

TEST REPORT

FCC SAR Part 0 Test for SM-A176U
Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-SR-2510-FC004

DATE OF ISSUE
October 24, 2025

Tested by
Seung Han Jung



Technical Manager
Yun Jeang Heo



HCT CO., LTD.
BongJai Huh
BongJai Huh / CEO

**HCT CO.,LTD.**

2-6, 73, 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383

KOREA

Tel. +82 31 645 6300 Fax. +82 31 645 6401

**TEST
REPORT**SAR PART 0 Test
for certification**REPORT NO.**

HCT-SR-2510-FC004

DATE OF ISSUE

Oct. 24, 2025

FCC ID

A3LSMA176U

Applicant

SAMSUNG Electronics Co., Ltd

129, Samsung-ro, Yeongtong-gu, Suwon-Si, Gyeonggi-do, 16677, Korea

Product Name

Mobile Phone

Model Name

SM-A176U

Additional Model Name

SM-A176U1, SM-S176V

Date of Test

Sep. 01, 2025 ~ Oct. 23, 2025

Location of Test☒ Permanent Testing Lab ☐ On Site Testing Lab(Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si,
Gyeonggi-do, 17383 KOREA)**FCC Rule Part(s)**

CFR § 2.1093

Test Results

PASS (SAR Limit : 1.6 W/kg)

Refer to the clause 3.2 Attestation of test result

REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	Oct 24, 2025	Initial Release

Notice

Content

The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated.

The test results have only been applied with the test methods required by the standard(s).

The laboratory is not accredited for the test results marked *.

Information provided by the applicant is marked **.

Test results provided by external providers are marked ***.

When confirmation of authenticity of this test report is required, please contact www.hct.co.kr

The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

CONTENTS

1. Test Location	5
2. Device Under Test Description	6
3. SAR MEASUREMENTS.....	10
4. SAR CHARAC TERIZATION	12
5. Equipment List.....	16
6. Measurement Uncertainty	18
Appendix A: SAR Test Results For P limit CALCULATIONS.....	19

1. Test Location

1.1 Test Laboratory

Company Name	HCT Co., Ltd.
Address	74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA
Telephone	031-645-6300
Fax.	031-645-6401

1.2 Test Facilities

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

Korea	National Radio Research Agency (Designation No. KR0032)
	KOLAS (Testing No. KT197)

1.3 General Information of the EUT

Model Name	SM-A176U
Additional Model Name	SM-A176U1, SM-S176V
Equipment Type	Mobile Phone
FCC ID	A3LSMA176U
Application Type	Certification
Applicant	SAMSUNG Electronics Co., Ltd.

2. Device Under Test Description

Device Wireless specification overview		
Band & Mode	Operating Mode	Tx Frequency
GSM850	Voice / Data	824.2 MHz ~ 848.8 MHz
GSM1900	Voice / Data	1 850.2 MHz ~ 1 909.8 MHz
UMTS Band 2	Voice / Data	1 852.4 MHz ~ 1 907.6 MHz
UMTS Band 4	Voice / Data	1 712.4 MHz ~ 1 752.6 MHz
UMTS Band 5	Voice / Data	826.4 MHz ~ 846.6 MHz
LTE FDD Band 2 (PCS)	Voice / Data	1 850.7 MHz ~ 1 909.3 MHz
LTE FDD Band 4 (AWS)	Voice / Data	1 710.7 MHz ~ 1 754.3 MHz
LTE FDD Band 5 (Cell)	Voice / Data	824.7 MHz ~ 848.3 MHz
LTE FDD Band 7	Voice / Data	2 502.5 MHz ~ 2 567.5 MHz
LTE FDD Band 12	Voice / Data	699.7 MHz ~ 715.3 MHz
LTE FDD Band 13	Voice / Data	779.5 MHz ~ 784.5 MHz
LTE FDD Band 14	Voice / Data	790.5 MHz ~ 795.5 MHz
LTE FDD Band 25	Voice / Data	1 850.7 MHz ~ 1 914.3 MHz
LTE FDD Band 26	Voice / Data	814.7 MHz ~ 848.3 MHz
LTE FDD Band 30	Voice / Data	2 307.5 MHz ~ 2 312.5 MHz
LTE TDD Band 38	Voice / Data	2 572.5 MHz ~ 2 617.5 MHz
LTE TDD Band 41	Voice / Data	2 498.5 MHz ~ 2 687.5 MHz
LTE TDD Band 48	Voice / Data	3 552.5 MHz ~ 3 697.5 MHz
LTE FDD Band 66 (AWS)	Voice / Data	1 710.7 MHz ~ 1 779.3 MHz
LTE FDD Band 71	Voice / Data	665.5 MHz ~ 695.5 MHz
NR FDD Band n2 (PCS)	Voice / Data	1 852.5 MHz ~ 1 907.5 MHz
NR FDD Band n5	Voice / Data	826.5 MHz ~ 846.5 MHz
NR FDD Band n25 (PCS)	Voice / Data	1 852.5 MHz ~ 1 912.5 MHz
NR FDD Band n30	Voice / Data	2 307.5 MHz ~ 2 312.5 MHz
NR TDD Band n41	Voice / Data	2 501.01 MHz ~ 2 685 MHz
NR TDD Band n48	Voice / Data	3 555 MHz ~ 3 695.01 MHz
NR FDD Band n66	Voice / Data	1 712.5 MHz ~ 1 777.5 MHz
NR FDD Band n70	Voice / Data	1 697.5 MHz ~ 1 707.5 MHz
NR FDD Band n71	Voice / Data	665.5 MHz ~ 695.5 MHz
NR TDD Band n77	Voice / Data	3 705 MHz ~ 3 975 MHz
NR TDD Band n77 DoD	Voice / Data	3 445.01 MHz ~ 3 544.98 MHz
NR TDD Band n78	Voice / Data	3 705 MHz ~ 3 795 MHz
NR TDD Band n78 DoD	Voice / Data	3 455.01 MHz ~ 3 544.98 MHz
U-NII-1	Voice / Data	5 180 MHz ~ 5 240 MHz
U-NII-2A	Voice / Data	5 260 MHz ~ 5 320 MHz
U-NII-2C	Voice / Data	5 500 MHz ~ 5 720 MHz
U-NII-3	Voice / Data	5 745 MHz ~ 5 825 MHz
U-NII-4	Voice / Data	5 845 MHz ~ 5 885 MHz
2.4 GHz WLAN	Voice / Data	2 412 MHz ~ 2 462 MHz
Bluetooth / LE	Data	2 402 MHz ~ 2 480 MHz
NFC	Data	13.56 MHz

Device Description		
Device Serial Numbers	Mode	Serial Number
	GSM850, GSM1900, UMTS Band 2,4,5, NFC	YHM1118M
	LTE Band 2,7,12,13,14,25,26,30,66,71 NR Band n2,5,25,30,66,70,71	YHM1118M, YHM1181M
	LTE Band 41, 48 NR Band n41, n48, n77, n77 SRS 2	YHM1208M, YHM1165M
	NR Band n48 SRS2, 3, 4, n77 SRS3, 4	YHM1164M
	WLAN 2.4G, 5G, BT	YHM1221M, YHM1115M
	The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics are within operational tolerances expected for production units.	

2.1 Time-Averaging for SAR

This WWAN/WLAN/BT Mode of DUT is equipped with an S.LSI chipset to which the Samsung S.LSI proprietary TAS (Time Average SAR) algorithm is applied.

This DUT is enabled with the Samsung S.LSI proprietary TAS (Time Average SAR) algorithm for WWAN/WLAN/BT Mode and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is in compliance with the FCC requirement

FCC RF exposure limit is based on time averaged RF exposure. The SAR regulatory specification is defined over certain measurement duration allowing for time-averaging. The Samsung S.LSI proprietary TAS (Time Average SAR) algorithm has been designed to meet the compliance limits over the required duration, while still allowing dynamic control of transmit power to satisfy the performance of the system.

This feature performs time averaging SAR algorithm in real time to control and manage transmitting power and ensure the time-averaged RF exposure is in compliance with FCC requirements all the time.

The S.LSI TAS algorithms, implemented in WWAN and WLAN modes respectively, are independent and always comply with the FCC's RF exposure limit. Only the NFC mode of the device did not apply the time averaged SAR algorithm.

The Samsung S.LSI TAS algorithm allow the device to transmit at higher power instantaneously, as high as P_{max}, when needed, but enforces power limiting to maintain time-averaged transmit power to P_{limit}. Below table shows P_{limit} NV settings and maximum tune up output power P_{max} configured for this DUT for various transmit conditions (Radio SAR indicator RSI for Head/Non-Head SAR of WWAN/WLAN/BT Mode).

The purpose of this report is to demonstrate that the DUT meets FCC SAR limits when transmitting in static transmission configurations at P_{limit} specified by manufacturer.

SAR Characterization confirms that P_{limit} in the 4G/5G/WLAN/WLAN/BT communication mode declared by the manufacturer satisfies SAR_Design_target.

The compliance test under the static transmission scenario and simultaneous transmission analysis are reported in SAR report for WWAN/WLAN/BT. The validation of The Samsung S.LSI proprietary TAS (Time Average SAR) algorithm and compliance under the time-varying transmission scenario for WWAN technologies are reported in A3LSMA176U_SAR Part 2 Report_Main report.

2.2 Nomenclature for Part 0 Report

Technology	Term	Description
2G/3G/4G/5G Sub 6 NR/WLAN	Plimit	Power level that corresponds to the exposure design target (SAR_design_target) after accounting for all device design related uncertainties
	Pmax	Maximum tune up output power
	SAR_design_target	Target SAR level < FCC SAR limit after accounting for all device design related uncertainties.
	SAR Char	Table containing Plimit for all technologies and bands

3. SAR MEASUREMENTS

3.1 SAR Definition

Specific Absorption Rate (SAR) is defined as the time derivative of the incremental electromagnetic energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (ρ). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body

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

SAR Mathematical Equation

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

$$SAR = \sigma E^2 / \rho$$

Where:

σ = conductivity of the tissue-simulant material (S/m)
 ρ = mass density of the tissue-simulant material (kg/m³)
 E = Total RMS electric field strength (V/m)

NOTE: The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relations to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, and whether conductive contact is made by the organism with a ground plane.

3.2 SAR Measurement Procedure

The evaluation was performed using the following procedure compliant to FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013:

1. The SAR distribution at the exposed side of the head or body was measured at a distance no more than 5.0 mm from the inner surface of the shell. The area covered the entire dimension of the DUT's head and body area and the horizontal grid resolution was depending on the FCC KDB 865664 D01v01r04 (see table 3-1) & IEEE 1528-2013.
2. Based on step, the area of the maximum absorption was determined by sophisticated interpolations routines implemented in DASY software. When an Area Scan has measured all reachable point. DASY system computes the field maximal found in the scanned are, within a range of the maximum. SAR at this fixed point was measured and used as a reference value.
3. Around this point, a volume was assessed according to the measurement resolution and volume size requirements of FCC KDB 865664 D01v01r04 table 4-1 and IEEE 1528-2013. On the basis of this data set, the spatial peak SAR value was evaluated with the following procedure (reference from the DASY manual.)
 - a. The data at the surface were extrapolated, since the center of the dipoles is no more than 2.7 mm away from the tip of the probe (it is different from the probe type) and the distance between the surface and the lowest measuring point is 1.2 mm. The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip.
 - b. The maximum interpolated value was searched with a straight-forward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1 g or 10 g) were computed using the 3D-Spline interpolation algorithm. The 3D-spline is composed of three one-dimensional splines with the "Not a knot" condition (in x, y, and z directions. The volume was integrated with the trapezoidal algorithm. One thousand points (10 x 10 x 10) were interpolated to calculate the average.
 - c. All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.
4. The SAR reference value, at the same location as step 2, was re-measured after the zoom scan. If the value changed by more than 5 %, the SAR evaluation and drift measurements were repeated.

Table 3-1

Frequency	Maximum Area Scan Resolution(mm) (Δxarea, Δyarea)	Maximum Zoom Scan Resolution (mm) (Δxzoom, Δyzoom)	Maximum Zoom Scan Spatial Resolution (mm)			Minimum Zoom Scan Volume (mm) (x,y,z)
			Uniform Grid Δ zzoom(n)	Graded Grid		
				Δ z zoom(1)*	Δ z zoom(n>1)*	
≤2 GHz	≤15	≤8	≤5	≤4	≤1.5* Δ zzoom(n-1)	≥ 30
2-3 GHz	≤12	≤5	≤5	≤4	≤1.5* Δ zzoom(n-1)	≥ 30
3-4 GHz	≤12	≤5	≤4	≤3	≤1.5* Δ zzoom(n-1)	≥ 28
4-5 GHz	≤10	≤4	≤3	≤2.5	≤1.5* Δ zzoom(n-1)	≥ 25
5-6 GHz	≤10	≤4	≤2	≤2	≤1.5* Δ zzoom(n-1)	≥ 22

Area and Zoom Scan Resolutions per FCC KDB Publication 865664 D01v01r04*

4. SAR CHARACTERIZATION

4.1 RSI and SAR Determination

This device uses different Radio SAR Index (RSI) to configure different time averaged power levels based on certain exposure scenarios. Depending on the detection scheme implemented in the smartphone, the worst-case SAR was determined by measurements for the relevant exposure conditions for that RSI. Detailed descriptions of the detection mechanisms are included in the operational description.

When 1g SAR and 10g SAR exposure comparison is needed, the worst-case was determined from SAR normalized to 1g or 10g SAR limit.

The Radio SAR Index (RSI) conditions used in Table 4-1 represent different exposure scenarios.

Table 4-1 RSI and Corresponding Exposure Scenarios

Scenario		Description	SAR Test Cases
Head	RSI = 1	Device positioned next to head When RCV is activated for voice call	Head SAR per KDB Publication 648474 D04
Non – Head	RSI = 0 (Body)	Device is held with hand Device transmits in hotspot mode near body Device being used with a body-worn accessory Device being used with a Earjack	Phablet SAR per KDB Publication 648474 D04 Hotspot SAR per KDB Publication 941225 D06 Body-worn SAR per KDB Publication 648474 D04

4.2 SAR Design Target

SAR_design_target is determined by ensuring that it is less than FCC SAR limit after accounting for total device designed related uncertainties specified by the manufacturer (see Table 4-2).

<i>SAR_design_target</i>			
$SAR_design_target < SAR_regulatory_limit \times 10^{Total\ Uncertainty/10}$			
1g SAR (W/kg)		10g SAR (W/kg)	
<i>Total Uncertainty</i>	1.0 dB	<i>Total Uncertainty</i>	1.0 dB
<i>SAR_regulatory_limit</i>	1.6 W/kg	<i>SAR_regulatory_limit</i>	4.0 W/kg
<i>SAR_design_target</i>	1.0 W/kg	<i>SAR_design_target</i>	2.5 W/kg

Table 4-2 *SAR_design_target* Calculations for WWAN Bands

<i>SAR_design_target</i>			
$SAR_design_target < SAR_regulatory_limit \times 10^{Total\ Uncertainty/10}$			
WLAN 1g SAR (W/kg)		10g SAR (W/kg)	
<i>Total Uncertainty</i>	1.0 dB	<i>Total Uncertainty</i>	1.0 dB
<i>SAR_regulatory_limit</i>	1.6 W/kg	<i>SAR_regulatory_limit</i>	4.0 W/kg
<i>SAR_design_target</i>	0.7 W/kg	<i>SAR_design_target</i>	1.75 W/kg

Table 4-3 *WLAN SAR_design_target* Calculations

4.3 SAR Characterization

SAR test results corresponding to Pmax for each antenna/technology/band/RSI can be found in Appendix A. Plimit is calculated by linearly scaling with the measured SAR at the Pmax to correspond to the SAR_design_target. Plimit determination for each exposure scenario corresponding to SAR_design_target are shown in Table 4-3.

Plim values in green indicate Plimit < Pmax			Plim values in grey indicate Plimit > Pmax			
Plimit corresponding to 1.0 W/kg (1g) SAR_Design_target			Pmax		Pmax	
SAR Exposure Position			Head	Body	Maximum Tune-up Output Power (Burst Average Power) [dBm]	Maximum Tune-up Output Power (Frame Averaged Power) [dBm]
Averaging volume			1g	1g		
separation Distance			0 mm	5 mm		
Mode	Band	Antenna	RSI=1	RSI=0		
GSM/GPRS/EDGE	850	A	22.8	22.8	31.5	25.3
GSM/GPRS/EDGE	1900	A	19.3	19.3	26.5	22.1
UMTS	2	A	19.0	19.0	24.0	24.0
UMTS	4	A	19.0	19.0	24.0	24.0
UMTS	5	A	23.5	23.5	24.0	24.0
LTE FDD	2	F	18.0	18.0	24.0	24.0
LTE FDD	7	A	27.6	18.0	23.0	23.0
LTE FDD	12	A	31.5	26.3	24.5	24.5
LTE FDD	13	A	32.0	25.4	24.0	24.0
LTE FDD	14	A	30.8	25.2	24.0	24.0
LTE FDD	2/25	A	20.0	19.0	24.0	24.0
LTE FDD	5/26	A	31.3	23.0	24.5	24.5
LTE FDD	30	A	28.5	19.0	21.5	21.5
LTE TDD	38/41	A	28.8	17.0	23.5	21.5
LTE TDD	48	G	14.0	14.0	21.0	19.0
LTE FDD	4/66	A	20.0	18.0	24.5	24.5
LTE FDD	66	F	18.0	18.0	24.5	24.5
LTE FDD	71	A	32.1	27.3	24.0	24.0
NR FDD	2	F	18.0	18.0	24.0	24.0
NR FDD	2/25	A	20.0	19.0	24.0	24.0
NR FDD	30	A	28.9	19.0	21.5	21.5
NR TDD	41	A	30.0	17.0	26.5	26.5
NR TDD	48	G	14.0	14.0	21.0	21.0
NR TDD SRS 2	48	I	9.0	9.0	17.5	17.5
NR TDD SRS 3	48	F	14.0	14.0	20.5	20.5
NR TDD SRS 4	48	H	9.0	9.0	17.0	17.0
NR FDD	5	A	31.1	23.0	24.5	24.5
NR FDD	66	A	20.0	18.0	24.5	24.5
NR FDD	66	F	18.0	18.0	24.5	24.5
NR FDD	70	A	32.0	21.0	24.0	24.0
NR FDD	71	A	32.3	26.0	24.0	24.0
NR TDD	77/78	G	13.0	13.0	26.5	26.5
NR TDD	77/78 DOD	G	13.0	13.0	26.5	26.5
NR TDD SRS 2	77/78	I	9.0	9.0	21.5	21.5
NR TDD SRS 2	77/78 DOD	I	9.0	9.0	21.5	21.5
NR TDD SRS 3	77/78	F	13.0	13.0	26.0	26.0
NR TDD SRS 3	77/78 DOD	F	13.0	13.0	26.0	26.0
NR TDD SRS 4	77/78	H	9.0	9.0	22.0	22.0
NR TDD SRS 4	77/78 DOD	H	9.0	9.0	22.0	22.0

Plim values in green indicate Plimit < Pmax			values in grey indicate Plimit > Pmax		
Plimit corresponding to 0.7 W/kg (1g) SAR_Design_target				Pmax	
SAR Exposure Position			Head	Body	Maximum Tune-up Output Power [dBm]
Averaging volume			1g	1g	
separation Distance			0 mm	5 mm	
Mode	Band	Antenna	RSI=1	RSI=0	
WLAN	2.4 GHz	F	18.0	15.0	19.5
WLAN	5 GHz	F	16.0	9.0	17.0
BT	2.4 GHz	F	20.9	17.2	12.0

Table 4-3 SAR Characterization

5. Equipment List

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
SPEAG	SAM Phantom	-	N/A	N/A	N/A
SPEAG	ELI Phantom	-	N/A	N/A	N/A
SPEAG	cDASY6 5G Module Phantom	-	N/A	N/A	N/A
HP	SAR System Control PC	-	N/A	N/A	N/A
Staubli 1-L	CS8Cspeag-TX90	F11/ 5K3RA1/ C/ 01	N/A	N/A	N/A
Staubli 1-R	CS8Cspeag-TX90	F12/ 5K9GA1/ C/ 01	N/A	N/A	N/A
Staubli 2	CS8Cspeag-TX90	F13/ 5R4XF1/ C/ 01	N/A	N/A	N/A
Staubli 5	CS8Cspeag-TX90	F17/ 59RAA1/ C/ 01	N/A	N/A	N/A
Staubli 7	CS8Cspeag-TX90	F08/5AJ0A1/C/01	N/A	N/A	N/A
Staubli 1-L	TX90 Lspeag	F11/ 5K3RA1/ A/ 01	N/A	N/A	N/A
Staubli 1-R	TX90 XLspeag	F12/ 5K9GA1/ C/ 01	N/A	N/A	N/A
Staubli 2	TX90 XLspeag	F13/ 5R4XF1/ A/ 01	N/A	N/A	N/A
Staubli 5	TX90 XLspeag	F17/ 59RAA1/ A/ 01	N/A	N/A	N/A
Staubli 7	TX90 XLspeag	F08/5AJ0A1/A/01	N/A	N/A	N/A
Staubli 1-L	Teach Pendant (Joystick)	S-1203 0309	N/A	N/A	N/A
Staubli 1-R	Teach Pendant (Joystick)	S-1206 0513	N/A	N/A	N/A
Staubli 2	Teach Pendant (Joystick)	S-1338 1332	N/A	N/A	N/A
Staubli 5	Teach Pendant (Joystick)	011578	N/A	N/A	N/A
Staubli 7	Teach Pendant (Joystick)	S-0008	N/A	N/A	N/A
TESTO 1	175-H1/Thermometer	40331936309	12/26/2024	Annual	12/26/2025
TESTO 2	175-H1/Thermometer	40331953309	01/16/2025	Annual	01/16/2026
TESTO 5	175-H1/Thermometer	40331922309	12/26/2024	Annual	12/26/2025
TESTO 7	175-H1/Thermometer	40331949309	12/26/2024	Annual	12/26/2025
SPEAG	DAE4	1686	06/05/2025	Annual	06/05/2026
SPEAG	DAE4	1720	04/23/2025	Annual	04/23/2026
SPEAG	DAE4	1417	02/18/2025	Annual	02/18/2026
SPEAG	DAE4	1687	07/15/2025	Annual	07/15/2026
SPEAG	DAE4	446	03/19/2025	Annual	03/19/2026
SPEAG	E-Field Probe EX3DV4	7702	01/21/2025	Annual	01/21/2026
SPEAG	E-Field Probe EX3DV4	3797	01/21/2025	Annual	01/21/2026
SPEAG	E-Field Probe EX3DV4	7370	08/15/2025	Annual	08/15/2026
SPEAG	E-Field Probe EX3DV4	7679	08/19/2025	Annual	08/19/2026
SPEAG	E-Field Probe ES3DV3	3076	07/22/2025	Annual	07/22/2026
SPEAG	E-Field Probe EX3DV4	7680	04/22/2025	Annual	04/22/2026
SPEAG	CLA13	1016	11/19/2024	Annual	11/19/2025
SPEAG	Dipole D750V3	1014	05/20/2025	Annual	05/20/2026
SPEAG	Dipole D835V2	4d165	04/14/2025	Annual	04/14/2026
SPEAG	Dipole D1640V2	345	07/07/2025	Annual	07/07/2026
SPEAG	Dipole D1800V2	2d015	04/17/2025	Annual	04/17/2026
SPEAG	Dipole D1900V2	5d061	01/20/2025	Annual	01/20/2026
SPEAG	Dipole D2300V2	1010	05/19/2025	Annual	05/19/2026
SPEAG	Dipole D2450V2	1049	03/13/2025	Annual	03/13/2026
SPEAG	Dipole D2600V2	1043	05/22/2025	Annual	05/22/2026
SPEAG	Dipole D3500V2	1040	01/16/2025	Annual	01/16/2026
SPEAG	Dipole D3700V2	1105	09/18/2024	Annual	09/18/2025
SPEAG	Dipole D3700V2	1066	09/15/2025	Annual	09/15/2026
SPEAG	Dipole D3900V2	1019	05/21/2025	Annual	05/21/2026
SPEAG	Dipole D5GHzV2	1107	04/19/2024	Biennial	04/19/2026

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
Agilent	Power Meter E4419B	MY41291386	09/13/2025	Annual	09/13/2026
Agilent	Power Meter E4419B	MY41291386	09/11/2024	Annual	09/11/2025
Agilent	Power Meter N1911A	MY45101406	05/19/2025	Annual	05/19/2026
Agilent	Power Sensor 8481A	SG1091286	09/09/2025	Annual	09/09/2026
Agilent	Power Sensor 8481A	SG1091286	09/12/2024	Annual	09/12/2025
H.P	Power Sensor 8481A	MY41090873	01/13/2025	Annual	01/13/2026
Agilent	Wideband Power Sensor N1921A	MY55220026	08/07/2025	Annual	08/07/2026
Agilent	11636B/Power Divider	58698	01/13/2025	Annual	01/13/2026
SPEAG	DAKS 3.5	1038	01/20/2025	Annual	01/20/2026
KEYSIGHT	MXA Signal Analyzer	MY49100108	01/07/2025	Annual	01/07/2026
H.P	Network Analyzer /8753E	JP38451384	08/19/2025	Annual	08/19/2026
Protek	NETWORK ANALYZER	X11-15305	02/10/2025	Annual	02/10/2026
Agilent	WIRELESS COMMUNICATION E5515C	MY48361100	09/15/2025	Annual	09/15/2026
Agilent	WIRELESS COMMUNICATION E5515C	MY48360252	07/29/2025	Annual	07/29/2026
R&S	Wireless Communication Test Set CMW500	115733	03/20/2025	Annual	03/20/2026
R&S	Wireless Communication Test Set CMW500	139333	12/09/2024	Annual	12/09/2025
Agilent	SIGNAL GENERATOR N5182A	MY47070230	03/18/2025	Annual	03/18/2026
EMPOWER	RF Power Amplifier	1084	05/20/2025	Annual	05/20/2026
EMPOWER	RF Power Amplifier	1041D/C0508	05/20/2025	Annual	05/20/2026
EMPOWER	RF Power Amplifier	1011	09/15/2025	Annual	09/15/2026
EMPOWER	RF Power Amplifier	1011	09/11/2024	Annual	09/11/2025
MICRO LAB	LP Filter / LA-15N	10453	09/11/2024	Annual	09/11/2025
MICRO LAB	LP Filter / LA-15N	10453	09/15/2025	Annual	09/15/2026
MICRO LAB	LP Filter / LA-30N	-	09/11/2024	Annual	09/11/2025
MICRO LAB	LP Filter / LA-30N	-	09/15/2025	Annual	09/15/2026
MICRO LAB	LP Filter / LA-60N	32011	09/11/2024	Annual	09/11/2025
MICRO LAB	LP Filter / LA-60N	32011	09/15/2025	Annual	09/15/2026
Agilent	Attenuator (3dB) 8693B	MY39260298	08/18/2025	Annual	08/18/2026
HP	Attenuator (20dB) 8493C	09271	08/18/2025	Annual	08/18/2026
RF KOREA	Attenuator (30dB)	A-0830	06/24/2025	Annual	06/24/2026
Agilent	Directional Bridge 86205A	3140A04581	04/18/2025	Annual	04/18/2026
Agilent	MXA Signal Analyzer N9020A	MY50510407	06/09/2025	Annual	06/09/2026
HP	Dual Directional Coupler	16072	09/15/2025	Annual	09/15/2026
HP	Dual Directional Coupler	16072	09/11/2024	Annual	09/11/2025
Anritsu	Radio Communication Test Station MT8000A	6262036812	11/27/2024	Annual	11/27/2025
Anritsu	Radio Communication Test Station MT8000A	6262148305	12/23/2024	Annual	12/23/2025
Anritsu	Radio Communication Tester MT8820C	6201074225	01/13/2025	Annual	01/13/2026
Anritsu	Radio Communication Tester MT8820C	6200695605	03/21/2025	Annual	03/21/2026
Anritsu	Radio Communication Tester MT8821C	6201502997	05/21/2025	Annual	05/21/2026
Anritsu	Radio Communication Tester MT8821C	6262044720	11/27/2024	Annual	11/27/2025
Anritsu	Radio Communication Tester MT8821C	6201664725	01/13/2025	Annual	01/13/2026
Agilent	WIRELESS COMMUNICATION E5515C	MY50260992	05/20/2025	Annual	05/20/2026
ROHDE&SCHWARZ	BLUETOOTH TESTER CBT	100272	01/13/2025	Annual	01/13/2026

Note: All measurements were performed within the valid calibration period of the specific equipment.

* The E-field probe was calibrated by SPEAG, by the waveguide technique procedure. Dipole Verification measurement is performed by HCT Lab. before each test. The brain/body simulating material is calibrated by HCT using the DAKS 3.5 to determine the conductivity and permittivity (dielectric constant) of the brain/body-equivalent material.

6. Measurement Uncertainty

The measured SAR was <1.5 W/Kg for 1g SAR and <3.75 W/Kg, for 10g SAR for all frequency Bands. Therefore, per KDB Publication 865664 D01v01r04, the extended measurement uncertainty analysis per IEEE1528-2013 was not required.

Appendix A: SAR Test Results For P limit CALCULATIONS

Table A-1 RSI = 1 *PLimit* Calculations – 2G/3G Head SAR

MEASUREMENT RESULTS										
Frequency		Mode/ Band		Ant.	Frame Averaged Conducted Power	Test Position	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
Mhz	Ch.				(dBm)			(W/kg)	(dBm)	(dBm)
836.6	190	GSM 850	GPRS 4Tx	A	22.26	Left Cheek	1:2.08	0.116	31.6	30.6
836.6	190	GSM 850		A	22.26	Left Tilt	1:2.08	0.070	33.8	
836.6	190	GSM 850		A	22.26	Right Cheek	1:2.08	0.147	30.6	
836.6	190	GSM 850		A	22.26	Right Tilt	1:2.08	0.088	32.8	
1 880	661	GSM 1900		A	19.67	Left Cheek	1:2.08	0.077	30.8	
1 880	661	GSM 1900	GPRS 4Tx	A	19.67	Left Tilt	1:2.08	0.062	31.7	30.8
1 880	661	GSM 1900		A	19.67	Right Cheek	1:2.08	0.067	31.4	
1 880	661	GSM 1900		A	19.67	Right Tilt	1:2.08	0.064	31.6	
836.6	4183	UMTS Band 5	RMC	A	23.15	Left Cheek	1:1	0.130	32.0	31.8
836.6	4183	UMTS Band 5	RMC	A	23.15	Left Tilt	1:1	0.086	33.8	
836.6	4183	UMTS Band 5	RMC	A	23.15	Right Cheek	1:1	0.136	31.8	
836.6	4183	UMTS Band 5	RMC	A	23.15	Right Tilt	1:1	0.067	34.9	
1 732.4	1412	UMTS Band 4	RMC	A	18.71	Left Cheek	1:1	0.057	31.2	31.2
1 732.4	1412	UMTS Band 4	RMC	A	18.71	Left Tilt	1:1	0.024	34.9	
1 732.4	1412	UMTS Band 4	RMC	A	18.71	Right Cheek	1:1	0.052	31.5	
1 732.4	1412	UMTS Band 4	RMC	A	18.71	Right Tilt	1:1	0.037	33.0	
1 880	9400	UMTS Band 2	RMC	A	18.91	Left Cheek	1:1	0.087	29.5	29.5
1 880	9400	UMTS Band 2	RMC	A	18.91	Left Tilt	1:1	0.069	30.5	
1 880	9400	UMTS Band 2	RMC	A	18.91	Right Cheek	1:1	0.074	30.2	
1 880	9400	UMTS Band 2	RMC	A	18.91	Right Tilt	1:1	0.055	31.5	

Table A-2 RSI = 1 *PLimit* Calculations – 4G Head SAR

MEASUREMENT RESULTS													
Frequency		Mode	Ant.	Band width	Frame Averaged Conducted Power	Test Position	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
Mhz	Ch.			(MHz)	(dBm)		(dB)				(W/kg)	(dBm)	(dBm)
1 880	18900	LTE Band 2	F	20	17.22	Left Cheek	0	1	0	1:1	0.149	25.5	22.2
1 880	18900	LTE Band 2	F	20	17.22	Left Tilt	0	1	0	1:1	0.104	27.0	
1 880	18900	LTE Band 2	F	20	17.22	Right Cheek	0	1	0	1:1	0.317	22.2	
1 880	18900	LTE Band 2	F	20	17.22	Right Tilt	0	1	0	1:1	0.180	24.7	
2 510	20850	LTE Band 7	A	20	23.04	Left Cheek	0	1	0	1:1	0.351	27.6	27.6
2 510	20850	LTE Band 7	A	20	23.04	Left Tilt	0	1	0	1:1	0.123	32.1	
2 510	20850	LTE Band 7	A	20	23.04	Right Cheek	0	1	0	1:1	0.165	30.9	
2 510	20850	LTE Band 7	A	20	23.04	Right Tilt	0	1	0	1:1	0.160	31.0	
707.5	23095	LTE Band 12	A	10	24.68	Left Cheek	0	1	0	1:1	0.189	31.9	31.5
707.5	23095	LTE Band 12	A	10	24.68	Left Tilt	0	1	0	1:1	0.091	35.1	
707.5	23095	LTE Band 12	A	10	24.68	Right Cheek	0	1	0	1:1	0.206	31.5	
707.5	23095	LTE Band 12	A	10	24.68	Right Tilt	0	1	0	1:1	0.084	35.4	
782	23230	LTE Band 13	A	10	23.80	Left Cheek	0	1	0	1:1	0.152	32.0	32.0
782	23230	LTE Band 13	A	10	23.80	Left Tilt	0	1	0	1:1	0.087	34.4	
782	23230	LTE Band 13	A	10	23.80	Right Cheek	0	1	0	1:1	0.150	32.0	
782	23230	LTE Band 13	A	10	23.80	Right Tilt	0	1	0	1:1	0.083	34.6	
793	23330	LTE Band 14	A	10	24.02	Left Cheek	0	1	0	1:1	0.177	31.5	30.8
793	23330	LTE Band 14	A	10	24.02	Left Tilt	0	1	0	1:1	0.100	34.0	
793	23330	LTE Band 14	A	10	24.02	Right Cheek	0	1	0	1:1	0.209	30.8	
793	23330	LTE Band 14	A	10	24.02	Right Tilt	0	1	0	1:1	0.117	33.3	
1 860	26140	LTE Band 25	A	20	19.34	Left Cheek	0	1	49	1:1	0.039	33.4	33.4
1 860	26140	LTE Band 25	A	20	19.34	Left Tilt	0	1	49	1:1	0.035	33.9	
1 860	26140	LTE Band 25	A	20	19.34	Right Cheek	0	1	49	1:1	0.035	33.9	
1 860	26140	LTE Band 25	A	20	19.34	Right Tilt	0	1	49	1:1	0.029	34.7	
831.5	26865	LTE Band 26	A	15	24.48	Left Cheek	0	1	0	1:1	0.110	34.1	31.3
831.5	26865	LTE Band 26	A	15	24.48	Left Tilt	0	1	0	1:1	0.123	33.6	
831.5	26865	LTE Band 26	A	15	24.48	Right Cheek	0	1	0	1:1	0.210	31.3	
831.5	26865	LTE Band 26	A	15	24.48	Right Tilt	0	1	0	1:1	0.140	33.0	
2 310	27710	LTE Band 30	A	10	21.31	Left Cheek	0	1	0	1:1	0.193	28.5	28.5
2 310	27710	LTE Band 30	A	10	21.31	Left Tilt	0	1	0	1:1	0.065	33.2	
2 310	27710	LTE Band 30	A	10	21.31	Right Cheek	0	1	0	1:1	0.122	30.4	
2 310	27710	LTE Band 30	A	10	21.31	Right Tilt	0	1	0	1:1	0.082	32.2	
2 680	41490	LTE Band 41	A	20	21.67	Left Cheek	0	1	0	1:1.58	0.195	28.8	28.8
2 680	41490	LTE Band 41	A	20	21.67	Left Tilt	0	1	0	1:1.58	0.062	33.7	
2 680	41490	LTE Band 41	A	20	21.67	Right Cheek	0	1	0	1:1.58	0.100	31.7	
2 680	41490	LTE Band 41	A	20	21.67	Right Tilt	0	1	0	1:1.58	0.112	31.2	
3 603.3	55773	LTE Band 48	G	20	14.26	Left Cheek	0	1	0	1:1.58	0.082	25.1	23.1
3 603.3	55773	LTE Band 48	G	20	14.26	Left Tilt	0	1	0	1:1.58	0.072	25.7	
3 603.3	55773	LTE Band 48	G	20	14.26	Right Cheek	0	1	0	1:1.58	0.132	23.1	
3 603.3	55773	LTE Band 48	G	20	14.26	Right Tilt	0	1	0	1:1.58	0.087	24.9	

MEASUREMENT RESULTS

Frequency		Mode	Ant.	Band width	Frame Averaged Conducted Power	Test Position	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
Mhz	Ch.			(MHz)	(dBm)		(dB)				(W/kg)	(dBm)	(dBm)
1 770	132572	LTE Band 66	A	20	19.56	Left Cheek	0	1	0	1:1	0.053	32.3	30.9
1 770	132572	LTE Band 66	A	20	19.56	Left Tilt	0	1	0	1:1	0.040	33.5	
1 770	132572	LTE Band 66	A	20	19.56	Right Cheek	0	1	0	1:1	0.073	30.9	
1 770	132572	LTE Band 66	A	20	19.56	Right Tilt	0	1	0	1:1	0.030	34.8	
1 745	132322	LTE Band 66	F	20	18.46	Left Cheek	0	1	0	1:1	0.331	23.3	20.4
1 745	132322	LTE Band 66	F	20	18.46	Left Tilt	0	1	0	1:1	0.250	24.5	
1 745	132322	LTE Band 66	F	20	18.46	Right Cheek	0	1	0	1:1	0.637	20.4	
1 745	132322	LTE Band 66	F	20	18.46	Right Tilt	0	1	0	1:1	0.373	22.7	
683	133322	LTE Band 71	A	20	24.50	Left Cheek	0	1	0	1:1	0.163	32.4	32.1
683	133322	LTE Band 71	A	20	24.50	Left Tilt	0	1	0	1:1	0.022	41.1	
683	133322	LTE Band 71	A	20	24.50	Right Cheek	0	1	0	1:1	0.173	32.1	
683	133322	LTE Band 71	A	20	24.50	Right Tilt	0	1	0	1:1	0.083	35.3	

Table A-3 RSI = 1 *PLimit* Calculations – NR Head SAR

For some bands/modes, a lower *PLimit* was selected as a more conservative evaluation.

NR TDD Bands : In the case of the NR TDD bands, the *PLimit* were calculated as the Frame average power to which the duty factor was applied to the burst power.

SAR measurements of all NR TDD bands were measured in FTM Mode.

MEASUREMENT RESULTS														
Frequency		Mode	Ant.	Band width	Frame Averaged Conducted Power	Test Position	OFDM Mode	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimum Plimit
				(MHz)	(dBm)			(dB)	(W/kg)	(dBm)	(dBm)			
1 880	376000	NR n2	F	40	17.70	Left Cheek	DFT-s- QPSK	0	1	1	1:1	0.157	25.7	23.3
1 880	376000	NR n2	F	40	17.70	Left Tilt	DFT-s- QPSK	0	1	1	1:1	0.104	27.5	
1 880	376000	NR n2	F	40	17.70	Right Cheek	DFT-s- QPSK	0	1	1	1:1	0.278	23.3	
1 880	376000	NR n2	F	40	17.70	Right Tilt	DFT-s- QPSK	0	1	1	1:1	0.154	25.8	
1 882.5	376500	NR n25	A	40	19.66	Left Cheek	DFT-s- QPSK	0	1	1	1:1	0.073	31.0	31.0
1 882.5	376500	NR n25	A	40	19.66	Left Tilt	DFT-s- QPSK	0	1	1	1:1	0.057	32.1	
1 882.5	376500	NR n25	A	40	19.66	Right Cheek	DFT-s- QPSK	0	1	1	1:1	0.060	31.9	
1 882.5	376500	NR n25	A	40	19.66	Right Tilt	DFT-s- QPSK	0	1	1	1:1	0.053	32.4	
2 310	462000	NR n30	A	10	21.49	Left Cheek	DFT-s- QPSK	0	1	1	1:1	0.180	28.9	28.9
2 310	462000	NR n30	A	10	21.49	Left Tilt	DFT-s- QPSK	0	1	1	1:1	0.064	33.4	
2 310	462000	NR n30	A	10	21.49	Right Cheek	DFT-s- QPSK	0	1	1	1:1	0.141	30.0	
2 310	462000	NR n30	A	10	21.49	Right Tilt	DFT-s- QPSK	0	1	1	1:1	0.097	31.6	
2 592.99	518598	NR n41	A	100	26.80	Left Cheek	DFT-s- QPSK	0	1	1	1:1	0.479	30.0	30.0
2 592.99	518598	NR n41	A	100	26.80	Left Tilt	DFT-s- QPSK	0	1	1	1:1	0.222	33.3	
2 592.99	518598	NR n41	A	100	26.80	Right Cheek	DFT-s- QPSK	0	1	1	1:1	0.258	32.7	
2 592.99	518598	NR n41	A	100	26.80	Right Tilt	DFT-s- QPSK	0	1	1	1:1	0.250	32.8	
3 624.99	641666	NR n48	G	40	13.88	Left Cheek	DFT-s- QPSK	0	1	53	1:1	0.053	26.6	21.7
3 624.99	641666	NR n48	G	40	13.88	Left Tilt	DFT-s- QPSK	0	1	53	1:1	0.007	35.4	
3 624.99	641666	NR n48	G	40	13.88	Right Cheek	DFT-s- QPSK	0	1	53	1:1	0.167	21.7	
3 624.99	641666	NR n48	G	40	13.88	Right Tilt	DFT-s- QPSK	0	1	53	1:1	0.123	23.0	
3 624.99	641666	NR n48 SRS 2	I	40	9.26	Left Cheek	DFT-s- QPSK	0	1	53	1:1	0.042	23.0	21.3
3 624.99	641666	NR n48 SRS 2	I	40	9.26	Left Tilt	DFT-s- QPSK	0	1	53	1:1	0.030	24.5	
3 624.99	641666	NR n48 SRS 2	I	40	9.26	Right Cheek	DFT-s- QPSK	0	1	53	1:1	0.063	21.3	
3 624.99	641666	NR n48 SRS 2	I	40	9.26	Right Tilt	DFT-s- QPSK	0	1	53	1:1	0.058	21.6	
3 624.99	641666	NR n48 SRS 3	F	40	13.89	Left Cheek	DFT-s- QPSK	0	1	53	1:1	0.048	27.1	21.1
3 624.99	641666	NR n48 SRS 3	F	40	13.89	Left Tilt	DFT-s- QPSK	0	1	53	1:1	0.046	27.3	
3 624.99	641666	NR n48 SRS 3	F	40	13.89	Right Cheek	DFT-s- QPSK	0	1	53	1:1	0.191	21.1	
3 624.99	641666	NR n48 SRS 3	F	40	13.89	Right Tilt	DFT-s- QPSK	0	1	53	1:1	0.123	23.0	
3 624.99	641666	NR n48 SRS 4	H	40	9.44	Left Cheek	DFT-s- QPSK	0	1	53	1:1	0.026	25.3	25.3
3 624.99	641666	NR n48 SRS 4	H	40	9.44	Left Tilt	DFT-s- QPSK	0	1	53	1:1	0.003	34.7	
3 624.99	641666	NR n48 SRS 4	H	40	9.44	Right Cheek	DFT-s- QPSK	0	1	53	1:1	0.000	-	
3 624.99	641666	NR n48 SRS 4	H	40	9.44	Right Tilt	DFT-s- QPSK	0	1	53	1:1	0.000	-	
836.5	167300	NR n5	A	20	24.47	Left Cheek	DFT-s- QPSK	0	1	53	1:1	0.189	31.7	31.1
836.5	167300	NR n5	A	20	24.47	Left Tilt	DFT-s- QPSK	0	1	53	1:1	0.122	33.6	
836.5	167300	NR n5	A	20	24.47	Right Cheek	DFT-s- QPSK	0	1	53	1:1	0.216	31.1	
836.5	167300	NR n5	A	20	24.47	Right Tilt	DFT-s- QPSK	0	1	53	1:1	0.149	32.7	

MEASUREMENT RESULTS														
Frequency		Mode	Ant.	Band width	Frame Averaged Conduct ed Power	Test Position	OFDM Mode	MPR	RB Size	RB offse t	Duty Cycle	Meas. SAR (1g)	Plimit	Minimum Plimit
				(MHz)	(dBm)			(dB)				(W/kg)	(dBm)	(dBm)
1 745	349000	NR n66	A	40	19.94	Left Cheek	DFT-s- QPSK	0	1	108	1:1	0.051	32.9	32.9
1 745	349000	NR n66	A	40	19.94	Left Tilt	DFT-s- QPSK	0	1	108	1:1	0.041	33.8	
1 745	349000	NR n66	A	40	19.94	Right Cheek	DFT-s- QPSK	0	1	108	1:1	0.049	33.0	
1 745	349000	NR n66	A	40	19.94	Right Tilt	DFT-s- QPSK	0	1	108	1:1	0.033	34.8	
1 745	349000	NR n66	F	40	17.82	Left Cheek	DFT-s- QPSK	0	1	1	1:1	0.237	24.1	20.5
1 745	349000	NR n66	F	40	17.82	Left Tilt	DFT-s- QPSK	0	1	1	1:1	0.183	25.2	
1 745	349000	NR n66	F	40	17.82	Right Cheek	DFT-s- QPSK	0	1	1	1:1	0.541	20.5	
1 745	349000	NR n66	F	40	17.82	Right Tilt	DFT-s- QPSK	0	1	1	1:1	0.312	22.9	
1 702.5	340500	NR n70	A	15	23.80	Left Cheek	DFT-s- QPSK	0	1	77	1:1	0.135	32.5	32.0
1 702.5	340500	NR n70	A	15	23.80	Left Tilt	DFT-s- QPSK	0	1	77	1:1	0.115	33.2	
1 702.5	340500	NR n70	A	15	23.80	Right Cheek	DFT-s- QPSK	0	1	77	1:1	0.153	32.0	
1 702.5	340500	NR n70	A	15	23.80	Right Tilt	DFT-s- QPSK	0	1	77	1:1	0.110	33.4	
680.5	136100	NR n71	A	20	24.41	Left Cheek	DFT-s- QPSK	0	1	53	1:1	0.164	32.3	31.7
680.5	136100	NR n71	A	20	24.41	Left Tilt	DFT-s- QPSK	0	1	53	1:1	0.091	34.8	
680.5	136100	NR n71	A	20	24.41	Right Cheek	DFT-s- QPSK	0	1	53	1:1	0.186	31.7	
680.5	136100	NR n71	A	20	24.41	Right Tilt	DFT-s- QPSK	0	1	53	1:1	0.093	34.7	
3 750	650000	NR n77	G	100	13.70	Left Cheek	DFT-s- QPSK	0	1	271	1:1	0.063	25.7	20.2
3 750	650000	NR n77	G	100	13.70	Left Tilt	DFT-s- QPSK	0	1	271	1:1	0.059	26.0	
3 750	650000	NR n77	G	100	13.70	Right Cheek	DFT-s- QPSK	0	1	271	1:1	0.225	20.2	
3 750	650000	NR n77	G	100	13.70	Right Tilt	DFT-s- QPSK	0	1	271	1:1	0.173	21.3	
3 500.01	633334	NR n77 DoD	G	100	13.18	Right Cheek	DFT-s- QPSK	0	1	271	1:1	0.175	20.7	20.7
3 750	650000	NR n77 SRS 2	I	100	9.97	Left Cheek	DFT-s- QPSK	0	1	137	1:1	0.015	28.2	21.0
3 750	650000	NR n77 SRS 2	I	100	9.97	Left Tilt	DFT-s- QPSK	0	1	137	1:1	0.048	23.2	
3 750	650000	NR n77 SRS 2	I	100	9.97	Right Cheek	DFT-s- QPSK	0	1	137	1:1	0.060	22.2	
3 750	650000	NR n77 SRS 2	I	100	9.97	Right Tilt	DFT-s- QPSK	0	1	137	1:1	0.078	21.0	
3 500.01	633334	NR n77 SRS 2 DoD	I	100	8.11	Right Tilt	DFT-s- QPSK	0	1	137	1:1	0.050	21.1	21.1
3 750	650000	NR n77 SRS 3	F	100	13.99	Left Cheek	DFT-s- QPSK	0	1	137	1:1	0.035	28.5	21.6
3 750	650000	NR n77 SRS 3	F	100	13.99	Left Tilt	DFT-s- QPSK	0	1	137	1:1	0.002	41.0	
3 750	650000	NR n77 SRS 3	F	100	13.99	Right Cheek	DFT-s- QPSK	0	1	137	1:1	0.174	21.6	
3 750	650000	NR n77 SRS 3	F	100	13.99	Right Tilt	DFT-s- QPSK	0	1	137	1:1	0.174	21.6	
3 500.01	633334	NR n77 SRS 3 DoD	F	100	13.36	Right Cheek	DFT-s- QPSK	0	1	137	1:1	0.170	21.1	21.1
3 750	650000	NR n77 SRS 4	H	100	9.14	Left Cheek	DFT-s- QPSK	0	1	137	1:1	0.058	21.5	21.5
3 750	650000	NR n77 SRS 4	H	100	9.14	Left Tilt	DFT-s- QPSK	0	1	137	1:1	0.050	22.2	
3 750	650000	NR n77 SRS 4	H	100	9.14	Right Cheek	DFT-s- QPSK	0	1	137	1:1	0.009	29.6	
3 750	650000	NR n77 SRS 4	H	100	9.14	Right Tilt	DFT-s- QPSK	0	1	137	1:1	0.009	29.6	
3 500.01	633334	NR n77 SRS 4 DoD	H	100	9.03	Left Cheek	DFT-s- QPSK	0	1	137	1:1	0.019	26.2	26.2

Table A-4 RSI = 1 *PLimit* Calculations – WLAN Head SAR

MEASUREMENT RESULTS													
Frequency		Mode/ Band	Band width	Ant. No.	Data Rate	Frame Averaged	Test Position	Ant. Config.	Duty Cycle	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
MHz	Ch.				(Mbps)	(dBm)				(W/kg)	(Duty)	(dBm)	(dBm)
2 412	1	802.11b	20	F	1Mbps	18.11	Left Cheek	WIFI1	98.6	0.218	1.014	23.2	22.7
2 412	1	802.11b	20	F	1Mbps	18.11	Left Tilt	WIFI1	98.6	0.240	1.014	22.8	
2 412	1	802.11b	20	F	1Mbps	18.11	Right Cheek	WIFI1	98.6	0.226	1.014	23.0	
2 412	1	802.11b	20	F	1Mbps	18.11	Right Tilt	WIFI1	98.6	0.242	1.014	22.7	
5 280	56	802.11a	20	F	6Mbps	16.95	Left Cheek	WIFI1	94.1	0.411	1.063	19.3	17.7
5 280	56	802.11a	20	F	6Mbps	16.95	Left Tilt	WIFI1	94.1	0.501	1.063	18.4	
5 280	56	802.11a	20	F	6Mbps	16.95	Right Cheek	WIFI1	94.1	0.368	1.063	19.7	
5 280	56	802.11a	20	F	6Mbps	16.95	Right Tilt	WIFI1	94.1	0.590	1.063	17.7	
5 620	124	802.11a	20	F	6Mbps	16.84	Left Cheek	WIFI1	94.1	0.381	1.063	19.5	18.8
5 620	124	802.11a	20	F	6Mbps	16.84	Left Tilt	WIFI1	94.1	0.444	1.063	18.8	
5 620	124	802.11a	20	F	6Mbps	16.84	Right Cheek	WIFI1	94.1	0.296	1.063	20.6	
5 620	124	802.11a	20	F	6Mbps	16.84	Right Tilt	WIFI1	94.1	0.354	1.063	19.8	
5 745	149	802.11a	20	F	6Mbps	16.77	Left Cheek	WIFI1	94.1	0.317	1.063	20.2	19.3
5 745	149	802.11a	20	F	6Mbps	16.77	Left Tilt	WIFI1	94.1	0.394	1.063	19.3	
5 745	149	802.11a	20	F	6Mbps	16.77	Right Cheek	WIFI1	94.1	0.248	1.063	21.3	
5 745	149	802.11a	20	F	6Mbps	16.77	Right Tilt	WIFI1	94.1	0.372	1.063	19.5	
5 865	173	802.11a	20	F	6Mbps	15.75	Left Cheek	WIFI1	94.1	0.214	1.063	20.9	20.1
5 865	173	802.11a	20	F	6Mbps	15.75	Left Tilt	WIFI1	94.1	0.259	1.063	20.1	
5 865	173	802.11a	20	F	6Mbps	15.75	Right Cheek	WIFI1	94.1	0.187	1.063	21.5	
5 865	173	802.11a	20	F	6Mbps	15.75	Right Tilt	WIFI1	94.1	0.222	1.063	20.7	

MEASUREMENT RESULTS										
Frequency		Mode/ Band	Ant. No.	Frame Averaged	Test Position	Ant. Config.	Meas.	Scaling	Plimit	Minimum
Mhz	Ch.			Conducted Power			SAR(1g)	Factor		Plimit
				(dBm)			(W/kg)	(Duty)	(dBm)	(dBm)
2 402	0	DH-5	F	12.73	Left Cheek	Ant 1	0.056	1.009	23.7	22.6
2 402	0	DH-5	F	12.73	Left Tilt	Ant 1	0.064	1.009	23.1	
2 402	0	DH-5	F	12.73	Right Cheek	Ant 1	0.065	1.009	23.1	
2 402	0	DH-5	F	12.73	Right Tilt	Ant 1	0.072	1.009	22.6	
2 402	37	LE 125K 255	F	11.97	Left Cheek	Ant 1	0.067	1.007	22.2	20.9
2 402	37	LE 125K 255	F	11.97	Left Tilt	Ant 1	0.089	1.007	20.9	
2 402	37	LE 125K 255	F	11.97	Right Cheek	Ant 1	0.072	1.007	21.8	
2 402	37	LE 125K 255	F	11.97	Right Tilt	Ant 1	0.081	1.007	21.3	

Table A-5 RSI = 0 P_{Limit} Calculations – 2G/3G Body-Worn SAR

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

MEASUREMENT RESULTS											
Frequency		Mode/ Band		Ant. No.	Frame Averaged Conducted Power	Test Position	Spacing (mm)	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
					(dBm)				(W/kg)	(dBm)	(dBm)
MHz	Ch.										
836.6	190	GSM 850	GPRS4Tx	A	22.26	Rear	5	1:2.08	0.549	24.9	24.9
836.6	190	GSM 850	GPRS4Tx	A	22.26	Front	5	1:2.08	0.268	28.0	
1 880	661	GSM 1900	GPRS4Tx	A	19.67	Rear	5	1:2.08	0.702	21.2	21.2
1 880	661	GSM 1900	GPRS4Tx	A	19.67	Front	5	1:2.08	0.374	23.9	
836.6	4183	UMTS Band 5	RMC	A	23.15	Rear	5	1:1	0.705	24.7	24.7
836.6	4183	UMTS Band 5	RMC	A	23.15	Front	5	1:1	0.328	28.0	
1 732.4	1412	UMTS Band 4	RMC	A	18.71	Rear	5	1:1	0.735	20.0	20.0
1 732.4	1412	UMTS Band 4	RMC	A	18.71	Front	5	1:1	0.371	23.0	
1 880	9400	UMTS Band 2	RMC	A	18.91	Rear	5	1:1	0.853	19.6	19.6
1 880	9400	UMTS Band 2	RMC	A	18.91	Front	5	1:1	0.466	22.2	

Table A-6 RSI = 0 P_{Limit} Calculations – 4G Body-Worn SAR

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

MEASUREMENT RESULTS														
Frequency		Mode	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	Spacing (mm)		RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimum Plimit
				(MHz)	(dBm)			(dB)				(W/kg)	(dBm)	(dBm)
1 880	18900	LTE Band 2	F	20	17.22	Rear	5	0	1	0	1:1	0.243	23.4	23.4
1 880	18900	LTE Band 2	F	20	17.22	Front	5	0	1	0	1:1	0.124	26.3	
2 510	20850	LTE Band 7	A	20	17.59	Rear	5	0	1	0	1:1	0.506	20.5	20.5
2 510	20850	LTE Band 7	A	20	17.59	Front	5	0	1	0	1:1	0.252	23.6	
707.5	23095	LTE Band 12	A	10	24.68	Rear	5	0	1	0	1:1	0.688	26.3	26.3
707.5	23095	LTE Band 12	A	10	24.68	Front	5	0	1	0	1:1	0.444	28.2	
782	23230	LTE Band 13	A	10	23.80	Rear	5	0	1	0	1:1	0.668	25.6	25.6
782	23230	LTE Band 13	A	10	23.80	Front	5	0	1	0	1:1	0.343	28.4	
793	23330	LTE Band 14	A	10	24.02	Rear	5	0	1	0	1:1	0.767	25.2	25.2
793	23330	LTE Band 14	A	10	24.02	Front	5	0	1	0	1:1	0.442	27.6	
1 860	26140	LTE Band 25	A	20	18.19	Rear	5	0	1	49	1:1	0.437	21.8	21.8
1 860	26140	LTE Band 25	A	20	18.19	Front	5	0	1	49	1:1	0.195	25.3	
831.5	26865	LTE Band 26	A	15	22.27	Rear	5	0	1	0	1:1	0.555	24.8	24.8
831.5	26865	LTE Band 26	A	15	22.27	Front	5	0	1	0	1:1	0.250	28.3	
2 310	27710	LTE Band 30	A	10	18.48	Rear	5	0	1	24	1:1	0.549	21.1	21.1
2 310	27710	LTE Band 30	A	10	18.48	Front	5	0	1	24	1:1	0.286	23.9	
2 680	41490	LTE Band 41	A	20	16.71	Rear	5	0	1	0	1:1.58	0.768	17.9	17.9
2 680	41490	LTE Band 41	A	20	16.71	Front	5	0	1	0	1:1.58	0.185	24.0	
3 603.3	55773	LTE Band 48	G	20	14.26	Rear	5	0	1	0	1:1.58	0.347	18.9	18.9
3 603.3	55773	LTE Band 48	G	20	14.26	Front	5	0	1	0	1:1.58	0.045	27.7	
1 770	132572	LTE Band 66	A	20	17.51	Rear	5	0	1	0	1:1	0.340	22.2	22.2
1 770	132572	LTE Band 66	A	20	17.51	Front	5	0	1	0	1:1	0.241	23.7	
1 745	132322	LTE Band 66	F	20	18.46	Rear	5	0	1	0	1:1	0.295	23.8	23.8
1 745	132322	LTE Band 66	F	20	18.46	Front	5	0	1	0	1:1	0.284	23.9	
683.0	133322	LTE Band 71	A	20	24.50	Rear	5	0	1	0	1:1	0.530	27.3	27.3
683.0	133322	LTE Band 71	A	20	24.50	Front	5	0	1	0	1:1	0.287	29.9	

Table A-7 RSI = 0 *PLimit* Calculations – NR Body-Worn SAR

For some bands/modes, a lower *PLimit* was selected as a more conservative evaluation.

NR TDD Bands : In the case of the NR TDD bands, the *PLimit* were calculated as the Frame average power to which the duty factor was applied to the burst power.0

SAR measurements of all NR TDD bands were measured in FTM Mode.

MEASUREMENT RESULTS															
Frequency		Mode	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	OFDM Mode	MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
Mhz	Ch.			(Mhz)	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
1 880	376000	NR n2	F	40	17.70	Rear	DFT-s- QPSK	0	5	1	1	1:1	0.188	25.0	25.0
1 880	376000	NR n2	F	40	17.70	Front	DFT-s- QPSK	0	5	1	1	1:1	0.154	25.8	
1 882.5	376500	NR n25	A	40	18.35	Rear	DFT-s- QPSK	0	5	1	108	1:1	0.587	20.7	20.7
1 882.5	376500	NR n25	A	40	18.35	Front	DFT-s- QPSK	0	5	1	108	1:1	0.208	25.2	
2 310	462000	NR n30	A	10	18.78	Rear	DFT-s- QPSK	0	5	1	1	1:1	0.545	21.4	21.4
2 310	462000	NR n30	A	10	18.78	Front	DFT-s- QPSK	0	5	1	1	1:1	0.347	23.4	
2 592.99	518598	NR n41	A	100	16.61	Rear	DFT-s- QPSK	0	5	1	1	1:1	0.306	21.8	21.8
2 592.99	518598	NR n41	A	100	16.61	Front	DFT-s- QPSK	0	5	1	1	1:1	0.106	26.4	
3 624.99	641666	NR n48	G	40	13.88	Rear	DFT-s- QPSK	0	5	1	53	1:1	0.374	18.2	18.2
3 624.99	641666	NR n48	G	40	13.88	Front	DFT-s- QPSK	0	5	1	53	1:1	0.041	27.8	
3 624.99	641666	NR n48 SRS2	I	40	9.26	Rear	DFT-s- QPSK	0	5	1	53	1:1	0.132	18.1	18.1
3 624.99	641666	NR n48 SRS2	I	40	9.26	Front	DFT-s- QPSK	0	5	1	53	1:1	0.040	23.2	
3 624.99	641666	NR n48 SRS3	F	40	13.89	Rear	DFT-s- QPSK	0	5	1	53	1:1	0.053	26.6	25.8
3 624.99	641666	NR n48 SRS3	F	40	13.89	Front	DFT-s- QPSK	0	5	1	53	1:1	0.064	25.8	
3 624.99	641666	NR n48 SRS4	H	40	9.44	Rear	DFT-s- QPSK	0	5	1	53	1:1	0.134	18.2	18.2
3 624.99	641666	NR n48 SRS4	H	40	9.44	Front	DFT-s- QPSK	0	5	1	53	1:1	0.000	-	
836.5	167300	NR n5	A	20	22.44	Rear	DFT-s- QPSK	0	5	1	104	1:1	0.751	23.7	23.7
836.5	167300	NR n5	A	20	22.44	Front	DFT-s- QPSK	0	5	1	104	1:1	0.320	27.4	
1 745	349000	NR n66	A	40	17.37	Rear	DFT-s- QPSK	0	5	1	108	1:1	0.344	22.0	22.0
1 745	349000	NR n66	A	40	17.37	Front	DFT-s- QPSK	0	5	1	108	1:1	0.212	24.1	
1 745	349000	NR n66	F	40	17.82	Rear	DFT-s- QPSK	0	5	1	1	1:1	0.335	22.6	22.6
1 745	349000	NR n66	F	40	17.82	Front	DFT-s- QPSK	0	5	1	1	1:1	0.219	24.4	
1 702.5	340500	NR n70	A	15	20.14	Rear	DFT-s- QPSK	0	5	1	77	1:1	0.618	22.2	22.2
1 702.5	340500	NR n70	A	15	20.14	Front	DFT-s- QPSK	0	5	1	77	1:1	0.311	25.2	
680.5	136100	NR n71	A	20	24.41	Rear	DFT-s- QPSK	0	5	1	53	1:1	0.694	26.0	26.0
680.5	136100	NR n71	A	20	24.41	Front	DFT-s- QPSK	0	5	1	53	1:1	0.277	30.0	

MEASUREMENT RESULTS

Frequency		Mode	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	OFDM Mode	MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
Mhz	Ch.			(Mhz)	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
3 750	650000	NR n77	G	100	13.70	Rear	DFT-s- QPSK	0	5	1	271	1:1	0.466	17.0	17.0
3 750	650000	NR n77	G	100	13.70	Front	DFT-s- QPSK	0	5	1	271	1:1	0.042	27.5	
3 500.01	633334	NR n77 DoD	G	100	13.18	Rear	DFT-s- QPSK	0	5	1	271	1:1	0.471	16.4	16.4
3 624.99	641666	NR n77 SRS 2	I	100	9.97	Rear	DFT-s- QPSK	0	5	1	53	1:1	0.105	19.8	19.8
3 624.99	641666	NR n77 SRS 2	I	100	9.97	Front	DFT-s- QPSK	0	5	1	53	1:1	0.042	23.7	
3 500.01	633334	NR n77 SRS 2 DoD	I	100	8.11	Rear	DFT-s- QPSK	0	5	1	137	1:1	0.187	15.4	15.4
3 624.99	641666	NR n77 SRS 3	F	100	13.99	Rear	DFT-s- QPSK	0	5	1	53	1:1	0.053	26.7	26.7
3 624.99	641666	NR n77 SRS 3	F	100	13.99	Front	DFT-s- QPSK	0	5	1	53	1:1	0.034	28.7	
3 624.99	641666	NR n77 SRS 4	H	100	9.14	Rear	DFT-s- QPSK	0	5	1	53	1:1	0.066	20.9	20.9
3 624.99	641666	NR n77 SRS 4	H	100	9.14	Front	DFT-s- QPSK	0	5	1	53	1:1	0.004	33.1	
3 500.01	633334	NR n77 SRS 4 DoD	H	100	9.03	Rear	DFT-s- QPSK	0	5	1	137	1:1	0.200	16.0	16.0

Table A-8 RSI = 0 *PLimit* Calculations – WLAN Body-Worn SAR

MEASUREMENT RESULTS													
Frequency		Mode/ Band	Band width	Ant. No.	Data Rate	Frame Averaged Conducted Power	Test Position	Ant. Config.	Duty Cycle	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
Mhz	Ch.		(Mhz)		(Mbps)	(dBm)				(W/kg)	(Duty)	(dBm)	(dBm)
2 462	11	802.11b	20	F	1	15.87	Rear	WIFI1	98.6	0.457	1.014	17.7	17.7
2 462	11	802.11b	20	F	1	15.87	Front	WIFI1	98.6	0.075	1.014	25.6	
5 290	58	802.11ac	80	F	MCS0	9.60	Rear	WIFI1	87.4	0.270	1.144	13.7	13.7
5 290	58	802.11ac	80	F	MCS0	9.60	Front	WIFI1	87.4	0.055	1.144	20.6	
5 610	122	802.11ac	80	F	MCS0	8.98	Rear	WIFI1	87.4	0.133	1.144	16.2	16.2
5 610	122	802.11ac	80	F	MCS0	8.98	Front	WIFI1	87.4	0.018	1.144	24.9	
5 775	155	802.11ac	80	F	MCS0	9.84	Rear	WIFI1	87.4	0.123	1.144	17.4	17.4
5 775	155	802.11ac	80	F	MCS0	9.84	Front	WIFI1	87.4	0.012	1.144	27.5	
5 855	171	802.11ac	80	F	MCS0	8.75	Rear	WIFI1	87.4	0.050	1.144	20.2	20.2
5 855	171	802.11ac	80	F	MCS0	8.75	Front	WIFI1	87.4	0.007	1.144	28.8	

MEASUREMENT RESULTS										
Frequency		Mode/ Band	Ant. No.	Frame Averaged Conducted Power	Test Position	Ant. Config.	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
Mhz	Ch.			(dBm)			(W/kg)	(Duty)	(dBm)	(dBm)
2 402	0	DH5	F	12.73	Rear	Ant 1	0.209	1.009	18.0	18.0
2 402	0	DH5	F	12.73	Front	Ant 1	0.027	1.009	26.9	
2 402	37	LE 125K 255	F	11.94	Rear	Ant 1	0.208	1.007	17.2	17.2
2 402	37	LE 125K 255	F	11.94	Front	Ant 1	0.041	1.007	24.3	

Table A-9 RSI = 0 P_{Limit} Calculations – 2G/3G Hotspot SAR

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation.

MEASUREMENT RESULTS											
Frequency		Mode/ Band		Ant. No.	Frame Averaged Conducted Power	Test Position	Spacing (mm)	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
					(dBm)				(W/kg)		(dBm)
MHz	Ch.										
836.6	190	GSM 850	GPRS4Tx	A	22.26	Rear	5	1:2.08	0.549	24.9	24.9
836.6	190	GSM 850	GPRS4Tx	A	22.26	Front	5	1:2.08	0.268	28.0	
836.6	190	GSM 850	GPRS4Tx	A	22.26	Left	5	1:2.08	0.136	30.9	
836.6	190	GSM 850	GPRS4Tx	A	22.26	Right	5	1:2.08	0.207	29.1	
836.6	190	GSM 850	GPRS4Tx	A	22.26	Bottom	5	1:2.08	0.401	26.2	
1 880	661	GSM 1900	GPRS4Tx	A	19.67	Rear	5	1:2.08	0.702	21.2	21.2
1 880	661	GSM 1900	GPRS4Tx	A	19.67	Front	5	1:2.08	0.374	23.9	
1 880	661	GSM 1900	GPRS4Tx	A	19.67	Left	5	1:2.08	0.192	26.8	
1 880	661	GSM 1900	GPRS4Tx	A	19.67	Right	5	1:2.08	0.058	32.0	
1 880	661	GSM 1900	GPRS4Tx	A	19.67	Bottom	5	1:2.08	0.644	21.6	

MEASUREMENT RESULTS											
Frequency		Mode/ Band		Ant. No.	Frame Averaged Conducted Power	Test Position	Spacing (mm)	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
					(dBm)				(W/kg)	(dBm)	(dBm)
MHz	Ch.										
836.6	4183	UMTS Band 5	RMC	A	23.15	Rear	5	1:1	0.705	24.7	24.7
836.6	4183	UMTS Band 5	RMC	A	23.15	Front	5	1:1	0.328	28.0	
836.6	4183	UMTS Band 5	RMC	A	23.15	Left	5	1:1	0.117	32.5	
836.6	4183	UMTS Band 5	RMC	A	23.15	Right	5	1:1	0.132	31.9	
836.6	4183	UMTS Band 5	RMC	A	23.15	Bottom	5	1:1	0.104	33.0	
1 732.4	1412	UMTS Band 4	RMC	A	18.71	Rear	5	1:1	0.735	20.0	20.0
1 732.4	1412	UMTS Band 4	RMC	A	18.71	Front	5	1:1	0.371	23.0	
1 732.4	1412	UMTS Band 4	RMC	A	18.71	Left	5	1:1	0.212	25.4	
1 732.4	1412	UMTS Band 4	RMC	A	18.71	Right	5	1:1	0.075	30.0	
1 732.4	1412	UMTS Band 4	RMC	A	18.71	Bottom	5	1:1	0.654	20.6	
1 880	9400	UMTS Band 2	RMC	A	18.91	Rear	5	1:1	0.853	19.6	19.6
1 880	9400	UMTS Band 2	RMC	A	18.91	Front	5	1:1	0.466	22.2	
1 880	9400	UMTS Band 2	RMC	A	18.91	Left	5	1:1	0.233	25.2	
1 880	9400	UMTS Band 2	RMC	A	18.91	Right	5	1:1	0.073	30.3	
1 880	9400	UMTS Band 2	RMC	A	18.91	Bottom	5	1:1	0.761	20.1	

Table A-10 RSI = 0 P_{Limit} Calculations – 4G Hotspot SAR

For some bands/modes, a lower P_{Limit} was selected as a more conservative evaluation

MEASUREMENT RESULTS														
Frequency		Mode	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	Spacing (mm)	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimum Plimit
				(MHz)	(dBm)			(dB)				(W/kg)	(dBm)	(dBm)
1 880	18900	LTE Band 2	F	20	17.22	Rear	5	0	1	0	1:1	0.243	23.4	23.4
1 880	18900	LTE Band 2	F	20	17.22	Front	5	0	1	0	1:1	0.124	26.3	
1 880	18900	LTE Band 2	F	20	17.22	Left	5	0	1	0	1:1	0.154	25.3	
1 880	18900	LTE Band 2	F	20	17.22	Top	5	0	1	0	1:1	0.065	29.1	
2 510	20850	LTE Band 7	A	20	17.59	Rear	5	0	1	0	1:1	0.506	20.5	20.5
2 510	20850	LTE Band 7	A	20	17.59	Front	5	0	1	0	1:1	0.252	23.6	
2 510	20850	LTE Band 7	A	20	17.59	Left	5	0	1	0	1:1	0.243	23.7	
2 510	20850	LTE Band 7	A	20	17.59	Right	5	0	1	0	1:1	0.043	31.3	
2 510	20850	LTE Band 7	A	20	17.59	Bottom	5	0	1	0	1:1	0.370	21.9	
707.5	23095	LTE Band 12	A	10	24.68	Rear	5	0	1	0	1:1	0.688	26.3	26.3
707.5	23095	LTE Band 12	A	10	24.68	Front	5	0	1	0	1:1	0.444	28.2	
707.5	23095	LTE Band 12	A	10	24.68	Left	5	0	1	0	1:1	0.200	31.7	
707.5	23095	LTE Band 12	A	10	24.68	Right	5	0	1	0	1:1	0.437	28.3	
707.5	23095	LTE Band 12	A	10	24.68	Bottom	5	0	1	0	1:1	0.562	27.2	
782	23230	LTE Band 13	A	10	23.80	Rear	5	0	1	0	1:1	0.668	25.6	25.4
782	23230	LTE Band 13	A	10	23.80	Front	5	0	1	0	1:1	0.343	28.4	
782	23230	LTE Band 13	A	10	23.80	Left	5	0	1	0	1:1	0.247	29.9	
782	23230	LTE Band 13	A	10	23.80	Right	5	0	1	0	1:1	0.456	27.2	
782	23230	LTE Band 13	A	10	23.80	Bottom	5	0	1	0	1:1	0.698	25.4	
793	23330	LTE Band 14	A	10	24.02	Rear	5	0	1	0	1:1	0.767	25.2	25.2
793	23330	LTE Band 14	A	10	24.02	Front	5	0	1	0	1:1	0.442	27.6	
793	23330	LTE Band 14	A	10	24.02	Left	5	0	1	0	1:1	0.261	29.9	
793	23330	LTE Band 14	A	10	24.02	Right	5	0	1	0	1:1	0.466	27.3	
793	23330	LTE Band 14	A	10	24.02	Bottom	5	0	1	0	1:1	0.751	25.3	
1 860	26140	LTE Band 25	A	20	18.19	Rear	5	0	1	49	1:1	0.437	21.8	21.3
1 860	26140	LTE Band 25	A	20	18.19	Front	5	0	1	49	1:1	0.195	25.3	
1 860	26140	LTE Band 25	A	20	18.19	Left	5	0	1	49	1:1	0.119	27.4	
1 860	26140	LTE Band 25	A	20	18.19	Right	5	0	1	49	1:1	0.039	32.3	
1 860	26140	LTE Band 25	A	20	18.19	Bottom	5	0	1	49	1:1	0.486	21.3	
831.5	26865	LTE Band 26	A	15	22.27	Rear	5	0	1	0	1:1	0.555	24.8	24.8
831.5	26865	LTE Band 26	A	15	22.27	Front	5	0	1	0	1:1	0.250	28.3	
831.5	26865	LTE Band 26	A	15	22.27	Left	5	0	1	0	1:1	0.123	31.4	
831.5	26865	LTE Band 26	A	15	22.27	Right	5	0	1	0	1:1	0.237	28.5	
831.5	26865	LTE Band 26	A	15	22.27	Bottom	5	0	1	0	1:1	0.351	26.8	
2 310	27710	LTE Band 30	A	10	18.48	Rear	5	0	1	24	1:1	0.549	21.1	21.1
2 310	27710	LTE Band 30	A	10	18.48	Front	5	0	1	24	1:1	0.286	23.9	
2 310	27710	LTE Band 30	A	10	18.48	Left	5	0	1	24	1:1	0.264	24.3	
2 310	27710	LTE Band 30	A	10	18.48	Right	5	0	1	24	1:1	0.104	28.3	
2 310	27710	LTE Band 30	A	10	18.48	Bottom	5	0	1	24	1:1	0.332	23.3	

MEASUREMENT RESULTS

Frequency		Mode	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	Spacing (mm)	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimum Plimit
MHz	Ch.			(MHz)	(dBm)			(dB)				(W/kg)		
2 680	41490	LTE Band 41	A	20	16.71	Rear	5	0	1	0	1:1.58	0.768	17.9	17.9
2 680	41490	LTE Band 41	A	20	16.71	Front	5	0	1	0	1:1.58	0.185	24.0	
2 680	41490	LTE Band 41	A	20	16.71	Left	5	0	1	0	1:1.58	0.175	24.3	
2 680	41490	LTE Band 41	A	20	16.71	Right	5	0	1	0	1:1.58	0.037	31.0	
2 680	41490	LTE Band 41	A	20	16.71	Bottom	5	0	1	0	1:1.58	0.334	21.5	
3 603.3	55773	LTE Band 48	G	20	14.26	Rear	5	0	1	0	1:1.58	0.347	18.9	18.9
3 603.3	55773	LTE Band 48	G	20	14.26	Front	5	0	1	0	1:1.58	0.045	27.7	
3 603.3	55773	LTE Band 48	G	20	14.26	Left	5	0	1	0	1:1.58	0.197	21.3	
3 603.3	55773	LTE Band 48	G	20	14.26	Top	5	0	1	0	1:1.58	0.052	27.1	
1 770	132572	LTE Band 66	A	20	17.51	Rear	5	0	1	0	1:1	0.340	22.2	21.7
1 770	132572	LTE Band 66	A	20	17.51	Front	5	0	1	0	1:1	0.241	23.7	
1 770	132572	LTE Band 66	A	20	17.51	Left	5	0	1	0	1:1	0.110	27.1	
1 770	132572	LTE Band 66	A	20	17.51	Right	5	0	1	0	1:1	0.044	31.1	
1 770	132572	LTE Band 66	A	20	17.51	Bottom	5	0	1	0	1:1	0.382	21.7	
1 745	132322	LTE Band 66	F	20	18.46	Rear	5	0	1	0	1:1	0.295	23.8	23.8
1 745	132322	LTE Band 66	F	20	18.46	Front	5	0	1	0	1:1	0.284	23.9	
1 745	132322	LTE Band 66	F	20	18.46	Left	5	0	1	0	1:1	0.204	25.4	
1 745	132322	LTE Band 66	F	20	18.46	Top	5	0	1	0	1:1	0.171	26.1	
683	133322	LTE Band 71	A	20	24.50	Rear	5	0	1	0	1:1	0.530	27.3	27.3
683	133322	LTE Band 71	A	20	24.50	Front	5	0	1	0	1:1	0.287	29.9	
683	133322	LTE Band 71	A	20	24.50	Left	5	0	1	0	1:1	0.183	31.9	
683	133322	LTE Band 71	A	20	24.50	Right	5	0	1	0	1:1	0.376	28.7	
683	133322	LTE Band 71	A	20	24.50	Bottom	5	0	1	0	1:1	0.359	28.9	

Table A-11 RSI = 0 *PLimit* Calculations – NR Hotspot SAR

For some bands/modes, a lower *PLimit* was selected as a more conservative evaluation.

NR TDD Bands : In the case of the NR TDD bands, the *PLimit* were calculated as the Frame average power to which the duty factor was applied to the burst power.0

SAR measurements of all NR TDD bands were measured in FTM Mode.

MEASUREMENT RESULTS															
Frequency		Mode	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	OFDM Mode	MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimu Plimit
MHz	Ch.			(MHz)	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
1 880	376000	NR n2	F	40	17.70	Rear	DFT-s QPSK	0	5	1	1	1:1	0.188	25.0	25.0
1 880	376000	NR n2	F	40	17.70	Front	DFT-s QPSK	0	5	1	1	1:1	0.154	25.8	
1 880	376000	NR n2	F	40	17.70	Left	DFT-s QPSK	0	5	1	1	1:1	0.125	26.7	
1 880	376000	NR n2	F	40	17.70	Top	DFT-s QPSK	0	5	1	1	1:1	0.053	30.5	
1 882.5	376500	NR n25	A	40	18.35	Rear	DFT-s QPSK	0	5	1	108	1:1	0.587	20.7	20.7
1 882.5	376500	NR n25	A	40	18.35	Front	DFT-s QPSK	0	5	1	108	1:1	0.208	25.2	
1 882.5	376500	NR n25	A	40	18.35	Left	DFT-s QPSK	0	5	1	108	1:1	0.098	28.4	
1 882.5	376500	NR n25	A	40	18.35	Right	DFT-s QPSK	0	5	1	108	1:1	0.026	34.2	
1 882.5	376500	NR n25	A	40	18.35	Bottom	DFT-s QPSK	0	5	1	108	1:1	0.317	23.3	
2 310	462000	NR n30	A	10	18.78	Rear	DFT-s QPSK	0	5	1	1	1:1	0.545	21.4	21.0
2 310	462000	NR n30	A	10	18.78	Front	DFT-s QPSK	0	5	1	1	1:1	0.347	23.4	
2 310	462000	NR n30	A	10	18.78	Left	DFT-s QPSK	0	5	1	1	1:1	0.314	23.8	
2 310	462000	NR n30	A	10	18.78	Right	DFT-s QPSK	0	5	1	1	1:1	0.076	30.0	
2 310	462000	NR n30	A	10	18.78	Bottom	DFT-s QPSK	0	5	1	1	1:1	0.594	21.0	
2 592.99	518598	NR n41	A	100	16.61	Rear	DFT-s QPSK	0	5	1	1	1:1	0.306	21.8	21.8
2 592.99	518598	NR n41	A	100	16.61	Front	DFT-s QPSK	0	5	1	1	1:1	0.106	26.4	
2 592.99	518598	NR n41	A	100	16.61	Left	DFT-s QPSK	0	5	1	1	1:1	0.031	31.7	
2 592.99	518598	NR n41	A	100	16.61	Right	DFT-s QPSK	0	5	1	1	1:1	0.031	31.7	
2 592.99	518598	NR n41	A	100	16.61	Bottom	DFT-s QPSK	0	5	1	1	1:1	0.281	22.1	
3 624.99	641666	NR n48	G	40	13.88	Rear	DFT-s QPSK	0	5	1	53	1:1	0.374	18.2	18.2
3 624.99	641666	NR n48	G	40	13.88	Front	DFT-s QPSK	0	5	1	53	1:1	0.041	27.8	
3 624.99	641666	NR n48	G	40	13.88	Left	DFT-s QPSK	0	5	1	53	1:1	0.274	19.5	
3 624.99	641666	NR n48	G	40	13.88	Top	DFT-s QPSK	0	5	1	53	1:1	0.056	26.4	
3 624.99	641666	NR n48 SRS2	I	40	9.26	Rear	DFT-s QPSK	0	5	1	53	1:1	0.132	18.1	18.1
3 624.99	641666	NR n48 SRS2	I	40	9.26	Front	DFT-s QPSK	0	5	1	53	1:1	0.040	23.2	
3 624.99	641666	NR n48 SRS2	I	40	9.26	Top	DFT-s QPSK	0	5	1	53	1:1	0.083	20.1	25.8
3 624.99	641666	NR n48 SRS3	F	40	13.89	Rear	DFT-s QPSK	0	5	1	53	1:1	0.053	26.6	
3 624.99	641666	NR n48 SRS3	F	40	13.89	Front	DFT-s QPSK	0	5	1	53	1:1	0.064	25.8	
3 624.99	641666	NR n48 SRS3	F	40	13.89	Left	DFT-s QPSK	0	5	1	53	1:1	0.000	-	
3 624.99	641666	NR n48 SRS3	F	40	13.89	Top	DFT-s QPSK	0	5	1	53	1:1	0.056	26.4	
3 624.99	641666	NR n48 SRS4	H	40	9.44	Rear	DFT-s QPSK	0	5	1	53	1:1	0.134	18.2	18.2
3 624.99	641666	NR n48 SRS4	H	40	9.44	Front	DFT-s QPSK	0	5	1	53	1:1	0.000	-	
3 624.99	641666	NR n48 SRS4	H	40	9.44	Right	DFT-s QPSK	0	5	1	53	1:1	0.085	20.1	
3 624.99	641666	NR n48 SRS4	H	40	9.44	Top	DFT-s QPSK	0	5	1	53	1:1	0.000	-	

MEASUREMENT RESULTS															
Frequency		Mode	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	OFDM Mode	MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
				(MHz)	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
836.5	167300	NR n5	A	20	22.44	Rear	DFT-s QPSK	0	5	1	104	1:1	0.751	23.7	23.7
836.5	167300	NR n5	A	20	22.44	Front	DFT-s QPSK	0	5	1	104	1:1	0.320	27.4	
836.5	167300	NR n5	A	20	22.44	Left	DFT-s QPSK	0	5	1	104	1:1	0.124	31.5	
836.5	167300	NR n5	A	20	22.44	Right	DFT-s QPSK	0	5	1	104	1:1	0.200	29.4	
836.5	167300	NR n5	A	20	22.44	Bottom	DFT-s QPSK	0	5	1	104	1:1	0.531	25.2	
1 745	349000	NR n66	A	40	17.37	Rear	DFT-s QPSK	0	5	1	108	1:1	0.344	22.0	22.0
1 745	349000	NR n66	A	40	17.37	Front	DFT-s QPSK	0	5	1	108	1:1	0.212	24.1	
1 745	349000	NR n66	A	40	17.37	Left	DFT-s QPSK	0	5	1	108	1:1	0.105	27.2	
1 745	349000	NR n66	A	40	17.37	Right	DFT-s QPSK	0	5	1	108	1:1	0.046	30.7	
1 745	349000	NR n66	A	40	17.37	Bottom	DFT-s QPSK	0	5	1	108	1:1	0.309	22.5	
1 745	349000	NR n66	F	40	17.82	Rear	DFT-s QPSK	0	5	1	1	1:1	0.335	22.6	22.6
1 745	349000	NR n66	F	40	17.82	Front	DFT-s QPSK	0	5	1	1	1:1	0.219	24.4	
1 745	349000	NR n66	F	40	17.82	Left	DFT-s QPSK	0	5	1	1	1:1	0.163	25.7	
1 745	349000	NR n66	F	40	17.82	Top	DFT-s QPSK	0	5	1	1	1:1	0.098	27.9	
1 702.5	340500	NR n70	A	15	20.14	Rear	DFT-s QPSK	0	5	1	77	1:1	0.618	22.2	22.2
1 702.5	340500	NR n70	A	15	20.14	Front	DFT-s QPSK	0	5	1	77	1:1	0.311	25.2	
1 702.5	340500	NR n70	A	15	20.14	Left	DFT-s QPSK	0	5	1	77	1:1	0.149	28.4	
1 702.5	340500	NR n70	A	15	20.14	Right	DFT-s QPSK	0	5	1	77	1:1	0.071	31.6	
1 702.5	340500	NR n70	A	15	20.14	Bottom	DFT-s QPSK	0	5	1	77	1:1	0.538	22.8	
680.5	136100	NR n71	A	20	24.41	Rear	DFT-s QPSK	0	5	1	53	1:1	0.694	26.0	26.0
680.5	136100	NR n71	A	20	24.41	Front	DFT-s QPSK	0	5	1	53	1:1	0.242	30.6	
680.5	136100	NR n71	A	20	24.41	Left	DFT-s QPSK	0	5	1	53	1:1	0.208	31.2	
680.5	136100	NR n71	A	20	24.41	Right	DFT-s QPSK	0	5	1	53	1:1	0.000	-	
680.5	136100	NR n71	A	20	24.41	Bottom	DFT-s QPSK	0	5	1	53	1:1	0.426	28.1	

MEASUREMENT RESULTS															
Frequency		Mode	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	OFDM Mode	MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
Mhz	Ch.			(Mhz)	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
3 750	650000	NR n77	G	100	13.70	Rear	DFT-s QPSK	0	5	1	271	1:1	0.466	17.0	17.0
3 750	650000	NR n77	G	100	13.70	Front	DFT-s QPSK	0	5	1	271	1:1	0.042	27.5	
3 750	650000	NR n77	G	100	13.70	Left	DFT-s QPSK	0	5	1	271	1:1	0.232	20.0	
3 750	650000	NR n77	G	100	13.70	Top	DFT-s QPSK	0	5	1	271	1:1	0.056	26.2	
3 500.01	633334	NR n77 DoD	G	100	13.18	Rear	DFT-s QPSK	0	5	1	271	1:1	0.471	16.4	16.4
3 624.99	641666	NR n77 SRS2	I	100	9.97	Rear	DFT-s QPSK	0	5	1	53	1:1	0.105	19.8	19.8
3 624.99	641666	NR n77 SRS2	I	100	9.97	Front	DFT-s QPSK	0	5	1	53	1:1	0.042	23.7	
3 624.99	641666	NR n77 SRS2	I	100	9.97	Top	DFT-s QPSK	0	5	1	53	1:1	0.105	19.8	
3 500.01	633334	NR n77 SRS2 DoD	I	100	8.11	Rear	DFT-s QPSK	0	5	1	137	1:1	0.187	15.4	15.4
3 624.99	641666	NR n77 SRS3	F	100	13.99	Rear	DFT-s QPSK	0	5	1	53	1:1	0.053	26.7	25.9
3 624.99	641666	NR n77 SRS3	F	100	13.99	Front	DFT-s QPSK	0	5	1	53	1:1	0.034	28.7	
3 624.99	641666	NR n77 SRS3	F	100	13.99	Left	DFT-s QPSK	0	5	1	53	1:1	0.011	33.6	
3 624.99	641666	NR n77 SRS3	F	100	13.99	Top	DFT-s QPSK	0	5	1	53	1:1	0.065	25.9	
3 500.01	633334	NR n77 SRS3 DoD	F	100	13.36	Top	DFT-s QPSK	0	5	1	137	1:1	0.102	23.3	23.3
3 624.99	641666	NR n77 SRS4	H	100	9.14	Rear	DFT-s QPSK	0	5	1	53	1:1	0.066	20.9	20.9
3 624.99	641666	NR n77 SRS4	H	100	9.14	Front	DFT-s QPSK	0	5	1	53	1:1	0.004	33.1	
3 624.99	641666	NR n77 SRS4	H	100	9.14	Right	DFT-s QPSK	0	5	1	53	1:1	0.050	22.2	
3 624.99	641666	NR n77 SRS4	H	100	9.14	Top	DFT-s QPSK	0	5	1	53	1:1	0.000	-	
3 500.01	633334	NR n77 SRS4 DoD	H	100	9.03	Rear	DFT-s QPSK	0	5	1	137	1:1	0.200	16.0	16.0

Table A-12 RSI = 0 *PLimit* Calculations – WLAN Hotspot SAR

MEASUREMENT RESULTS													
Frequency		Mode/ Band	Band width	Ant. No.	Data Rate	Frame Averaged Conducted Power	Test Position	Ant. Config.	Duty Cycle	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plin
MHz	Ch.									(W/kg)	(Duty)	(dBm)	(dBm)
2 462	11	802.11b	20	F	1	15.87	Rear	WIFI1	98.6	0.457	1.014	17.7	17.7
2 462	11	802.11b	20	F	1	15.87	Front	WIFI1	98.6	0.075	1.014	25.6	
2 462	11	802.11b	20	F	1	15.87	Left	WIFI1	98.6	0.046	1.014	27.7	
2 462	11	802.11b	20	F	1	15.87	Top	WIFI1	98.6	0.239	1.014	20.5	
5 290	58	802.11ac	80	F	MCS0	9.60	Rear	WIFI1	87.4	0.270	1.144	13.7	13.7
5 290	58	802.11ac	80	F	MCS0	9.60	Front	WIFI1	87.4	0.055	1.144	20.6	
5 290	58	802.11ac	80	F	MCS0	9.60	Left	WIFI1	87.4	0.004	1.144	32.0	
5 290	58	802.11ac	80	F	MCS0	9.60	Top	WIFI1	87.4	0.194	1.144	15.2	
5 610	122	802.11ac	80	F	MCS0	8.98	Rear	WIFI1	87.4	0.133	1.144	16.2	16.2
5 610	122	802.11ac	80	F	MCS0	8.98	Front	WIFI1	87.4	0.018	1.144	24.9	
5 610	122	802.11ac	80	F	MCS0	8.98	Left	WIFI1	87.4	0.014	1.144	26.0	
5 610	122	802.11ac	80	F	MCS0	8.98	Top	WIFI1	87.4	0.091	1.144	17.8	
5 775	155	802.11ac	80	F	MCS0	9.84	Rear	WIFI1	87.4	0.123	1.144	17.4	17.4
5 775	155	802.11ac	80	F	MCS0	9.84	Front	WIFI1	87.4	0.012	1.144	27.5	
5 775	155	802.11ac	80	F	MCS0	9.84	Left	WIFI1	87.4	0.011	1.144	27.9	
5 775	155	802.11ac	80	F	MCS0	9.84	Top	WIFI1	87.4	0.098	1.144	18.4	
5 855	171	802.11ac	80	F	MCS0	8.75	Rear	WIFI1	87.4	0.050	1.144	20.2	19.3
5 855	171	802.11ac	80	F	MCS0	8.75	Front	WIFI1	87.4	0.007	1.144	28.8	
5 855	171	802.11ac	80	F	MCS0	8.75	Left	WIFI1	87.4	0.003	1.144	32.4	
5 855	171	802.11ac	80	F	MCS0	8.75	Top	WIFI1	87.4	0.062	1.144	19.3	

MEASUREMENT RESULTS										
Frequency		Mode/ Band	Ant. No.	Frame Averaged Conducted Power	Test Position	Ant. Config.	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
MHz	Ch.						(W/kg)	(Duty)	(dBm)	(dBm)
2 402	0	DH5	F	12.73	Rear	Ant 1	0.209	1.009	18.0	18.0
2 402	0	DH5	F	12.73	Front	Ant 1	0.027	1.009	26.9	
2 402	0	DH5	F	12.73	Left	Ant 1	0.013	1.009	30.0	
2 402	0	DH5	F	12.73	Top	Ant 1	0.100	1.009	21.2	
2 402	37	LE 125K 255	F	11.97	Rear	Ant 1	0.208	1.007	17.2	17.2
2 402	37	LE 125K 255	F	11.97	Front	Ant 1	0.041	1.007	24.3	
2 402	37	LE 125K 255	F	11.97	Left	Ant 1	0.016	1.007	28.4	
2 402	37	LE 125K 255	F	11.97	Top	Ant 1	0.079	1.007	21.4	