

TEST REPORT

FCC SAR Part 0 Test for SM-F761B
Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-SR-2505-FC001

DATE OF ISSUE
May 9, 2025

Tested by
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TEST REPORT

PART 0 SAR Test
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FCC ID

A3LSMF761B

Applicant

SAMSUNG Electronics Co., Ltd
129, Samsung-ro, Yeongtong-gu, Suwon-Si, Gyeonggi-do, 16677, Korea

Product Name

Mobile Phone

Model Name

SM-F761B

Date of Test

Mar. 14, 2025~ May 09, 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

SAR test consideration

The A3LSMF761B model is de-populated from the basic model, the A3LSMF761U model, and the data reference is applied from the basic model's report [No: HCT-SR-2504-FC012-R2] according to the FCC's guide. All bands of the A3LSMF761B with different Plimit from the basic model have been fully tested.

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	May. 09, 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).

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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-F761B
Equipment Type	Mobile Phone
FCC ID	A3LSMF761B
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 12	Voice / Data	699.7 MHz ~ 715.3 MHz
LTE FDD Band 13	Voice / Data	779.5 MHz ~ 784.5 MHz
LTE FDD Band 17	Voice / Data	706.5 MHz ~ 713.5 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 TDD Band 41	Voice / Data	2 498.5 MHz ~ 2 687.5 MHz
LTE FDD Band 66 (AWS)	Voice / Data	1 710.7 MHz ~ 1 779.3 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 TDD Band n41	Voice / Data	2 501.01 MHz ~ 2 685 MHz
NR FDD Band n66	Voice / Data	1 712.5 MHz ~ 1 777.5 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
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
U-NII-5	Voice / Data	5 935 MHz ~ 6 425 MHz
U-NII-6	Voice / Data	6 425 MHz ~ 6 525 MHz
U-NII-7	Voice / Data	6 525 MHz ~ 6 865 MHz
U-NII-8	Voice / Data	6 865 MHz ~ 7 115 MHz
2.4 GHz WLAN	Voice / Data	2 412 MHz ~ 2 472 MHz
Bluetooth / LE 5.4	Data	2 402 MHz ~ 2 480 MHz
NFC	Data	13.56 MHz
WPC	Data	110 kHz ~ 148 kHz

2.1 Time-Averaging for SAR

This WWAN Mode of DUT is equipped with an S.LSI chipset to which the Samsung S.LSI proprietary TAS (Time Average SAR) algorithm is applied. and also This equipment contains the Qualcomm modem supporting WLAN Fast connect TAS operations.

This DUT is enabled with the Samsung S.LSI proprietary TAS (Time Average SAR) algorithm for WWAN Mode and also Qualcomm Fast connect TAS feature for WLAN Mode to control 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 WLAN mode are not controlled by The Samsung S.LSI proprietary TAS (Time Average SAR) algorithm.

This equipment contains the Qualcomm modem supporting WLAN Fast connect TAS algorithm for TAS operations This feature performs time averaging 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. DUT contains BDF File configured for the WLAN Fast connect TAS algorithm. Only the BT, NFC mode of the device did not apply the time averaged SAR algorithm.

The Samsung S.LSI TAS algorithm and Qualcomm Fast connect 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 / Body SAR of WWAN Mode, Device State Index DSI for WLAN 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 communication mode declared by the manufacturer satisfies SAR_{target}.

The compliance test under the static transmission scenario and simultaneous transmission analysis are reported in SAR report for WWAN. 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 TAS Validation report. The validation of The Qualcomm Fast connect TAS algorithm and compliance under the time-varying transmission scenario for WLAN technologies are reported in A3LSMF761B_SAR Part 2 Report_WLAN report.

2.2 Nomenclature for Part 0 Report

Technology	Term	Description
2G/3G/4G/5G/ Sub6 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 (r). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body

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

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.

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	Graded Grid		
			Δzzoom(n)	Δzzoom(1)*	Δzzoom(n>1)*	
≤2 GHz	≤15	≤8	≤5	≤4	≤1.5* Δzzoom(n-1)	≥30
2-3 GHz	≤12	≤5	≤5	≤4	≤1.5* Δzzoom(n-1)	≥30
3-4 GHz	≤12	≤5	≤4	≤3	≤1.5* Δzzoom(n-1)	≥28
4-5 GHz	≤10	≤4	≤3	≤2.5	≤1.5* Δzzoom(n-1)	≥25
5-6 GHz	≤10	≤4	≤2	≤2	≤1.5* Δzzoom(n-1)	≥22

Table 3-1
Area and Zoom Scan Resolutions per FCC KDB Publication 865664 D01v01r04*

4. SAR CHARACTERIZATION

4.1 Exposure Index and SAR Determination

This device uses different Radio State 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 State indicator (RSI) conditions used in Table 4-1 represent different exposure scenarios.

Table 4-1 RSI and Corresponding Exposure Scenarios for WWAN Mode

Scenario	Description	SAR Test Cases
Head (RSI = 1)	Device positioned next to head	SAR per KDB Publication 648474 D04 and KDB Publication 447498 D01
Flip Open Body (RSI = 0)	Device Flip open DUT's transmitter output power in free or body worn condition	SAR per KDB Publication 648474 D04 and KDB Publication 447498 D01
Flip Open Body (RSI = 2)	Device Flip open Device transmits in hotspot mode Device is held with hand	SAR per KDB Publication 648474 D04 and KDB Publication 447498 D01
Flip Close Body (RSI = 3)	Device Flip close DUT's transmitter output power in free or body worn condition	SAR per KDB Publication 648474 D04 and KDB Publication 447498 D01
Flip Close Body (RSI = 4)	Device Flip close Device transmits in hotspot mode	SAR per KDB Publication 648474 D04 and KDB Publication 447498 D01

Table 4-2 DSI and Corresponding Exposure Scenarios for WLAN Mode

Device State Index (DSI)	Description	SAR Test Cases
Head (DSI = 1)	Device positioned next to head	SAR per KDB Publication 648474 D04 and KDB Publication 248227 D01
Flip Open & Close Body (DSI = 0)	Device transmits in hotspot mode near body Device is held with hand	SAR per KDB Publication 248227 D01 ,KDB Publication 941225 D06 and 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>			
<i>SAR_design_target < SAR_regulatory_limit x 10^{Total Uncertainty/10}</i>			
Body 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 4-3 Main SAR_design_target Calculations

<i>SAR_design_target</i>			
<i>SAR_design_target < SAR_regulatory_limit x 10^{Total Uncertainty/10}</i>			
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>	0.8 W/kg	<i>SAR_design_target</i>	2.0 W/kg

Table 4-4 WLAN SAR_design_target Calculations

4.3 SAR Characterization

SAR test results corresponding to Pmax for each antenna/technology/band/DSI/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 4-5.

Plim values in green indicate Plimit < Pmax Plim values in grey indicate Plimit > Pmax						
Plimit corresponding to 1 W/kg (1g) 2.5W/kg(10g) SAR_Design_target						Pmax
SAR Exposure Position			Free (Open, Close)	Head (RCV ON)	Hotspot (Open, Close)	Maximum Tune-up Output Power (Frame Averaged Power) [dBm]
Averaging volume			1g	1g	1g	
separation Distance			5 mm	0 mm	5 mm	
Mode	Band	Antenna	RSI=0,3	RSI=1	RSI=2,4	
GSM/GPRS/EDGE	850	A	20.5	31.9	20.5	24.4
GSM/GPRS/EDGE	1900	A	17.0	39.1	17.0	22.0
UMTS	2	A	18.0	22.9	18.0	24.5
UMTS	2	I	15.0	15.0	15.0	23.0
UMTS	4	A	18.0	22.9	18.0	24.0
UMTS	4	I	16.0	15.0	16.0	23.0
UMTS	5	A	22.0	22.9	22.0	24.5
LTE FDD	25(2)	A	17.0	38.3	17.0	24.7
LTE FDD	25(2)	I	16.0	15.0	16.0	24.5
LTE FDD	66(4)	A	18.0	35.4	18.0	24.7
LTE FDD	66(4)	I	16.0	15.0	16.0	25.0
LTE FDD	12	A	23.0	30.5	23.0	24.5
LTE FDD	13	A	20.9	29.5	20.9	24.0
LTE FDD	17	A	23.0	31.4	23.0	24.5
LTE FDD	26(5)	A	22.5	31.3	22.5	24.5
LTE TDD PC3	41	B	19.0	39.7	19.0	22.0
LTE TDD PC3	41	I	16.5	13.8	16.5	22.5
LTE TDD PC2	41	B	19.0	39.1	19.0	20.4
LTE TDD PC2	41	I	16.5	13.8	16.5	20.9
NR FDD	n25(2)	A	17.5	36.6	17.5	25.2
NR FDD	n25(2)	I	15.5	15.0	15.5	24.5
NR FDD	n5	A	21.5	30.3	21.5	23.0
NR TDD SRS 1 PC2	n41	I	17.0	14.3	17.0	26.0
NR TDD SRS 2 PC2	n41	B	16.0	12.3	15.0	23.0
NR TDD SRS 3 PC2	n41	F	18.0	13.0	17.0	23.0
NR TDD SRS 4 PC2	n41	C	15.5	12.3	15.0	19.5
NR FDD	n66	A	17.5	37.3	17.5	24.7
NR FDD	n66	I	15.5	14.5	15.5	25.0
NR FDD	n71	A	26.2	32.3	26.2	23.0
NR TDD SRS 1 PC2	n77/n77DoD	F	13.0	13.0	13.0	25.5
NR TDD SRS 2 PC2	n77/n77DoD	I	13.0	13.0	13.0	25.5
NR TDD SRS 3 PC2	n77/n77DoD	E	13.0	13.0	13.0	25.5
NR TDD SRS 4 PC2	n77/n77DoD	C	12.5	12.5	12.5	23.5

Plim values in green indicate Plimit < Pmax Plimit values in grey indicate Plimit > Pmax					
Plimit corresponding to 1 W/kg (0.8g) 2.0W/kg(10g) SAR_Design_target					Pmax
SAR Exposure Position			Body (Hotspot, Bodyworn)	Head (RCV ON)	Maximum Tune-up Output Power (Burst Average Power) [dBm]
Averaging volume			1g	1g	
separation Distance			5 mm	0 mm	
Mode	Band	Antenna	DSI=0	DSI=1	
WLAN	2.4	F	15.0	15.0	18.0
WLAN	2.4	H	15.0	15.0	18.0
WLAN	2.4	F+H	15.0	15.0	18.0
WLAN	5	F	12.0	12.0	15.0
WLAN	5	H	12.0	12.0	15.0
WLAN	5	F+H	12.0	12.0	15.0
WLAN	6	F	18.4	17.0	10.0
WLAN	6	H	19.0	16.7	10.0
BT	2.4	F	21.5	12.5	18.5
BT	2.4	H	20.6	12.5	18.5
BT	2.4	F+H	19.7	10.0	17.0

Table 4-5 SAR Characterization

Note

1. all Plimit and maximum tune up output power Pmax levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of TDD modulation schemes (for e.g., GSM, LTE TDD).
2. The maximum time-averaged output power (dBm) for any 2G/3G/4G/5G WWAN and WLAN technology, band, and SAR Exposure condition=minimum of “Plimit” and “Maximum tune up output power: “Pmax” + 1dB device uncertainty.
3. The maximum time averaged output power means Plimit for each modes SAR values in this report were scaled to the maximum allowed output power to determine compliance per KDB Publication 447498 D01v06.
4. Bluetooth operate on the peak power mode.

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 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 6	CS9spe-TX2-90	F/24/0058554/C/002	N/A	N/A	N/A
Staubli 7	CS8Cspeag-TX90	F08/5AJ0A1/C/01	N/A	N/A	N/A
Staubli 15	CS8Cspeag-TX90	F07/56W9A1/C/01	N/A	N/A	N/A
Staubli 1-L	TX90 Lspeag	F11/ 5K3RA1/ A/ 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 6	TX2-90XL spe	F/24/0058554/A/002	N/A	N/A	N/A
Staubli 7	TX90 XLspeag	F08/5AJ0A1/A/01	N/A	N/A	N/A
Staubli 15	TX60 Lspeag	F07/56W9A1/A/01	N/A	N/A	N/A
Staubli 1-L	Teach Pendant (Joystick)	S-1203 0309	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 6	Teach Pendant (Joystick)	D21144508	N/A	N/A	N/A
Staubli 7	Teach Pendant (Joystick)	S-0008	N/A	N/A	N/A
Staubli 15	Teach Pendant (Joystick)	S-0602	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	12/26/2025	Annual	12/26/2026
TESTO 6	175-H1/Thermometer	40332651310	12/26/2024	Annual	12/26/2025
TESTO 7	175-H1/Thermometer	40331949309	12/26/2025	Annual	12/26/2026
TESTO 15	608-H1/Thermometer	83406789	06/26/2025	Annual	06/26/2026
SPEAG	DAE4	1225	02/18/2025	Annual	02/18/2026
SPEAG	DAE4	780	06/19/2024	Annual	06/19/2025
SPEAG	DAE4	1750	09/13/2024	Annual	09/13/2025
SPEAG	DAE4	1686	06/19/2024	Annual	06/19/2025
SPEAG	DAE4	648	04/19/2024	Annual	04/19/2025
SPEAG	DAE4	1464	06/19/2024	Annual	06/19/2025
SPEAG	DAE4	466	09/03/2024	Annual	09/03/2025
SPEAG	DAE4	1629	08/16/2024	Annual	08/16/2025
SPEAG	E-Field Probe EX3DV4	3768	10/07/2024	Annual	10/07/2025
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	7622	11/22/2024	Annual	11/22/2025
SPEAG	E-Field Probe EX3DV4	7309	06/19/2024	Annual	06/19/2025
SPEAG	E-Field Probe EX3DV4	7751	09/19/2024	Annual	09/19/2025
SPEAG	E-Field Probe EX3DV4	7370	08/22/2024	Annual	08/22/2025
SPEAG	E-Field Probe EX3DV4	7680	05/28/2024	Annual	05/28/2025
SPEAG	E-Field Probe ES3DV3	3076	07/17/2024	Annual	07/17/2025
SPEAG	CLA13	1016	11/19/2024	Annual	11/19/2025
SPEAG	Dipole D750V3	1014	05/20/2024	Annual	05/20/2025
SPEAG	Dipole D835V2	441	04/18/2024	Biennial	04/18/2026
SPEAG	Dipole D1800V2	2d007	04/15/2024	Biennial	04/15/2026
SPEAG	Dipole D1900V2	5d061	01/20/2025	Annual	01/20/2026
SPEAG	Dipole D2450V2	1049	03/13/2025	Annual	03/13/2026
SPEAG	Dipole D2600V2	1015	04/22/2024	Biennial	04/22/2026
SPEAG	Dipole D3500V2	1040	01/16/2025	Annual	01/16/2026
SPEAG	Dipole D3700V2	1105	09/18/2024	Annual	09/18/2025
SPEAG	Dipole D3900V2	1086	05/21/2024	Annual	05/21/2025

SPEAG	Dipole D5GHzV2	1107	04/19/2024	Biennial	04/19/2026
SPEAG	Dipole D6.5GHzV2	1012	09/17/2024	Annual	09/17/2025
SPEAG	5G Power Verification Source 10GHz	1018	04/11/2025	Annual	04/11/2026
Agilent	Power Meter E4419B	MY41291386	09/11/2024	Annual	09/11/2025
Agilent	Power Meter N1911A	MY45101406	05/21/2024	Annual	05/21/2025
Agilent	Power Sensor 8481A	SG1091286	09/12/2024	Annual	09/12/2025
H.P	Power Sensor 8481A	MY41090675	09/12/2024	Annual	09/12/2025

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
Agilent	Power Meter E4419B	MY41291386	09/11/2024	Annual	09/11/2025
Agilent	Wideband Power Sensor N1921A	MY55220026	07/30/2024	Annual	07/30/2025
Agilent	11636B/Power Divider	58698	01/13/2025	Annual	01/13/2026
SPEAG	DAKS 3.5	1038	01/20/2025	Annual	01/20/2026
SPEAG	Vector Reflectometer	0141013	01/13/2025	Annual	01/13/2026
SPEAG	MXA Signal Analyzer	MY49100108	01/07/2025	Annual	01/07/2026
H.P	Network Analyzer /8753E	JP38451384	08/20/2024	Annual	08/20/2025
Protek	NETWORK ANALYZER	X11-15305	02/10/2025	Annual	02/10/2026
Agilent	WIRELESS COMMUNICATION E5515C	MY48361100	09/11/2024	Annual	09/11/2025
Agilent	WIRELESS COMMUNICATION E5515C	MY48360252	07/29/2024	Annual	07/29/2025
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	03/19/2024	Annual	03/19/2025
Agilent	SIGNAL GENERATOR N5182A	MY47070230	03/18/2025	Annual	03/18/2026
Keysight	PSG Vector Signal Generator	MY50350097	03/05/2025	Annual	03/05/2026
EMPOWER	RF Power Amplifier	1084	05/21/2024	Annual	05/21/2025
EMPOWER	RF Power Amplifier	1041D/C0508	05/21/2024	Annual	05/21/2025
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-30N	-	09/11/2024	Annual	09/11/2025
MICRO LAB	LP Filter / LA-60N	32011	09/11/2024	Annual	09/11/2025
Agilent	Attenuator (3dB) 8693B	MY39260298	08/20/2024	Annual	08/20/2025
HP	Attenuator (20dB) 8493C	09271	08/21/2024	Annual	08/21/2025
Agilent	Directional Bridge 86205A	3140A04581	04/22/2024	Annual	04/22/2025
Agilent	Directional Bridge 86205A	3140A04581	04/18/2025	Annual	04/18/2026
OSI	Power Divider	#1	05/21/2024	Annual	05/21/2025
OSI	Power Divider	#2	05/21/2024	Annual	05/21/2025
OSI	Power Divider	#3	05/21/2024	Annual	05/21/2025
OSI	Power Divider	#4	05/21/2024	Annual	05/21/2025
Agilent	MXA Signal Analyzer N9020A	MY50510407	06/04/2024	Annual	06/04/2025
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	05/21/2024	Annual	05/21/2025
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	05/22/2024	Annual	05/22/2025
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	Test Position	Duty Cycle	Meas.	Plimit	Minimum
MHz	Ch.				Conducted Power (dBm)			SAR(1g) (W/kg)	(dBm)	Plimit (dBm)
836.6	190	GSM 850	GPRS 4Tx	A	23.77	Left Cheek	1:2.07	0.148	32.1	31.9
836.6	190	GSM 850		A	23.77	Left Tilt	1:2.07	0.008	44.7	
836.6	190	GSM 850		A	23.77	Right Cheek	1:2.07	0.155	31.9	
836.6	190	GSM 850		A	23.77	Right Tilt	1:2.07	0.088	34.3	
1880	661	GSM 1900	GPRS 3Tx	A	20.88	Left Cheek	1:2.77	0.015	39.1	39.1
836.6	4183	UMTS Band 5	RMC	A	22.63	Left Cheek	1:1	0.091	33.0	32.3
836.6	4183	UMTS Band 5	RMC	A	22.63	Left Tilt	1:1	0.057	35.1	
836.6	4183	UMTS Band 5	RMC	A	22.63	Right Cheek	1:1	0.108	32.3	
836.6	4183	UMTS Band 5	RMC	A	22.63	Right Tilt	1:1	0.030	37.9	
1732.4	1412	UMTS Band 4	RMC	A	23.61	Left Cheek	1:1	0.055	36.2	36.2
1732.4	1412	UMTS Band 4	RMC	I	15.40	Left Cheek	1:1	0.484	18.6	18.6
1880	9400	UMTS Band 2	RMC	A	23.27	Left Cheek	1:1	0.067	35.0	35.0
1880	9400	UMTS Band 2	RMC	I	15.54	Left Cheek	1:1	0.651	17.4	17.4

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.			(dBm)	(dBm)		(dB)				(W/kg)	(dBm)	(dBm)
7 07.5	23095	LTE Band 12	A	10	24.17	Left Cheek	0	1	24	1:1	0.188	31.4	30.5
7 07.5	23095	LTE Band 12	A	10	24.17	Left Tilt	0	1	24	1:1	0.155	32.3	
7 07.5	23095	LTE Band 12	A	10	24.17	Right Cheek	0	1	24	1:1	0.235	30.5	
7 07.5	23095	LTE Band 12	A	10	24.17	Right Tilt	0	1	24	1:1	0.127	33.1	
7 82.0	23230	LTE Band 13	A	10	23.55	Left Cheek	0	1	24	1:1	0.204	30.5	29.5
7 82.0	23230	LTE Band 13	A	10	23.55	Left Tilt	0	1	24	1:1	0.168	31.3	
7 82.0	23230	LTE Band 13	A	10	23.55	Right Cheek	0	1	24	1:1	0.255	29.5	
7 82.0	23230	LTE Band 13	A	10	23.55	Right Tilt	0	1	24	1:1	0.136	32.2	
1 882.5	26365	LTE Band 25	A	20	24.73	Right Cheek	0	1	0	1:1	0.044	38.3	38.3
1 860.0	26140	LTE Band 25	I	20	15.64	Left Cheek	0	1	0	1:1	0.729	17.0	17.0
1 860.0	26140	LTE Band 25	I	20	15.64	Left Tilt	0	1	0	1:1	0.150	23.9	
1 860.0	26140	LTE Band 25	I	20	15.64	Right Cheek	0	1	0	1:1	0.271	21.3	
1 860.0	26140	LTE Band 25	I	20	15.64	Right Tilt	0	1	0	1:1	0.051	28.6	
8 31.5	26865	LTE Band 26	A	15	24.72	Left Cheek	0	1	0	1:1	0.166	32.5	31.3
8 31.5	26865	LTE Band 26	A	15	24.72	Left Tilt	0	1	0	1:1	0.102	34.6	
8 31.5	26865	LTE Band 26	A	15	24.72	Right Cheek	0	1	0	1:1	0.220	31.3	
8 31.5	26865	LTE Band 26	A	15	24.72	Right Tilt	0	1	0	1:1	0.101	34.7	
7 10	23790	LTE Band 17	A	10	24.06	Left Cheek	0	1	24	1:1	0.181	31.5	31.4
7 10	23790	LTE Band 17	A	10	24.06	Left Tilt	0	1	24	1:1	0.107	33.8	
7 10	23790	LTE Band 17	A	10	24.06	Right Cheek	0	1	24	1:1	0.183	31.4	
7 10	23790	LTE Band 17	A	10	24.06	Right Tilt	0	1	24	1:1	0.114	33.5	

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.			(dBm)	(dBm)		(dB)				(W/kg)	(dBm)	(dBm)
2 549.5	40185	LTE Band41(PC3)	B	20	21.96	Left Cheek	0	1	0	1:1.58	0.017	39.7	39.7
2 549.5	40185	LTE Band41(PC3)	I	20	14.41	Left Cheek	0	1	0	1:1.58	0.602	16.6	16.6
2 549.5	40185	LTE Band41(PC2)	B	20	20.21	Left Cheek	0	1	0	1:2.31	0.013	39.1	39.1
2 549.5	40185	LTE Band41(PC2)	I	20	14.47	Left Cheek	0	1	0	1:2.31	0.579	16.8	16.8
1 745.0	132322	LTE Band 66	A	20	24.79	Left Cheek	0	1	0	1:1	0.086	35.4	35.4
1 770.0	132572	LTE Band 66	I	20	15.72	Left Cheek	0	1	99	1:1	0.587	18.0	18.0
1 770.0	132572	LTE Band 66	I	20	15.72	Left Tilt	0	1	99	1:1	0.128	24.6	
1 770.0	132572	LTE Band 66	I	20	15.72	Right Cheek	0	1	99	1:1	0.267	21.5	
1 770.0	132572	LTE Band 66	I	20	15.72	Right Tilt	0	1	99	1:1	0.045	29.2	

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 bands were measured in FTM Mode.

MEASUREMENT RESULTS														
Frequency		Mode	Ant.	Band width	Frame Averaged Conducted Power	Test Configurations		MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	PLimit	Minimum PLimit
MHz	Ch.			(dBm)	(dBm)			(dB)				(W/kg)	(dBm)	(dBm)
1 882.5	376500	NR Band n25	A	40	24.80	Left Cheek	DFT-s-OFDM QPSK	0	108	54	1:1	0.066	36.6	36.6
1 882.5	376500	NR Band n25	I	40	15.37	Left Cheek	DFT-s-OFDM QPSK	0	108	0	1:1	0.686	17.0	17.0
8 36.5	167300	NR Band n5	A	20	23.76	Left Cheek	DFT-s-OFDM QPSK	0	1	104	1:1	0.202	30.7	30.3
8 36.5	167300	NR Band n5	A	20	23.76	Left Tilt	DFT-s-OFDM QPSK	0	1	104	1:1	0.106	33.5	
8 36.5	167300	NR Band n5	A	20	23.76	Right Cheek	DFT-s-OFDM QPSK	0	1	104	1:1	0.222	30.3	
8 36.5	167300	NR Band n5	A	20	23.76	Right Tilt	DFT-s-OFDM QPSK	0	1	104	1:1	0.095	34.0	

MEASUREMENT RESULTS

Frequency		Mode	Ant.	Band width	Frame Averaged Conducte d Power	Test Configurations		MPR	RB Size	RB offse t	Duty Cycle	Meas. SAR (1g)	Plimit	Minimum Plimit
Mhz	Ch.			(dBm)	(dBm)			(dB)				(W/kg)	(dBm)	(dBm)
2 593	518598	NR Band n41	I	100	15.03	Left Cheek	DFT-s-OFDM QPSK	0	1	271	1:1	0.585	17.4	17.4
2 593	518598	NR Band n41	I	100	15.03	Left Tilt	DFT-s-OFDM QPSK	0	1	271	1:1	0.088	25.6	
2 593	518598	NR Band n41	I	100	15.03	Right Cheek	DFT-s-OFDM QPSK	0	1	271	1:1	0.135	23.7	
2 593	518598	NR Band n41	I	100	15.03	Right Tilt	DFT-s-OFDM QPSK	0	1	271	1:1	0.018	32.5	
2 593	518598	NR Band n41 SRS2	I	100	11.96	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0	N/A	N/A
2 593	518598	NR Band n41 SRS2	I	100	11.96	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0	N/A	
2 593	518598	NR Band n41 SRS2	I	100	11.96	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0	N/A	
2 593	518598	NR Band n41 SRS2	I	100	11.96	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0	N/A	
2 593	518598	NR Band n41 SRS3	I	100	13.20	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.011	32.8	25.0
2 593	518598	NR Band n41 SRS3	I	100	13.20	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.011	32.8	
2 593	518598	NR Band n41 SRS3	I	100	13.20	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.066	25.0	
2 593	518598	NR Band n41 SRS3	I	100	13.20	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.041	27.1	
2 593	518598	NR Band n41 SRS4	I	100	12.04	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0	N/A	N/A
2 593	518598	NR Band n41 SRS4	I	100	12.04	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0	N/A	
2 593	518598	NR Band n41 SRS4	I	100	12.04	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0	N/A	
2 593	518598	NR Band n41 SRS4	I	100	12.04	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0	N/A	
1 745	349000	NR Band 66	A	40	24.40	Left Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.051	37.3	37.3
1 745	349000	NR Band 66	I	40	15.48	Left Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.437	19.1	19.1

MEASUREMENT RESULTS														
Frequency		Mode	Ant.	Band width	Frame Averaged Conducted Power	Test Configurations		MP R	RB	RB	Duty	Meas. SAR (1g)	Plimit	Minimum Plimit
MHz	Ch.			(dBm)	(dBm)			(dB)	Size	offset	Cycle	(W/kg)	(dBm)	(dBm)
6 80.5	136100	NR Band 71	A	20	22.51	Left Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.103	32.4	32.3
6 80.5	136100	NR Band 71	A	20	22.51	Left Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.060	34.7	
6 80.5	136100	NR Band 71	A	20	22.51	Right Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.104	32.3	
6 80.5	136100	NR Band 71	A	20	22.51	Right Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.057	35.0	
3 750	650000	NR Band 77	F	100	13.55	Right Cheek	DFT-s-OFDM QPSK	0	270	0	1:1	0.282	19.0	19.0

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

MEASUREMENT RESULTS													
Frequency		Mode/ Band	Band width (MHz)	Ant. No.	Data Rate	Frame Averaged	Test Position	Ant. Config.	Duty Cycle	Meas.	Scaling	Plimit	Minimum Plimit
MHz	Ch.				(Mbps)	Conducted Power (dBm)				SAR(1g) (W/kg)	Factor (Duty)		
2 437	6	802.11b	20	F	1	14.81	Right Cheek	WIFI1	98.8	0.351	1.012	18.4	18.4
2 437	6	802.11b	20	H	1	14.88	Left Cheek	WIFI2	98.8	0.312	1.012	19.0	19.0
2 437	6	802.11b	20	F+H	1	14.81	Left Cheek	MIMO	98.8	0.286	1.012	19.3	19.3
5 290	58	802.11ac	80	F	MCS0	11.01	Right Cheek	WIFI1	85.5	0.133	1.170	18.8	18.8
5 290	58	802.11ac	80	H	MCS0	11.92	Left Cheek	WIFI2	85.5	0.141	1.170	19.5	19.5
5 855	171	802.11ac	80	F+H	MCS0	11.01	Right Tilt	MIMO	85.5	0.232	1.170	16.4	16.4
6 525	115	802.11ax	40	F	MCS0	9.56	Left Cheek	WIFI1	99.3	0.064	1.007	20.5	17.0
6 525	115	802.11ax	40	F	MCS0	9.56	Left Tilt	WIFI1	99.3	0.069	1.007	20.2	
6 525	115	802.11ax	40	F	MCS0	9.56	Right Cheek	WIFI1	99.3	0.144	1.007	17.0	
6 525	115	802.11ax	40	F	MCS0	9.56	Right Tilt	WIFI1	99.3	0.113	1.007	18.1	
7 085	227	802.11ax	40	H	MCS0	9.94	Left Cheek	WIFI2	99.3	0.090	1.007	19.4	16.7
7 085	227	802.11ax	40	H	MCS0	9.94	Left Tilt	WIFI2	99.3	0.168	1.007	16.7	
7 085	227	802.11ax	40	H	MCS0	9.94	Right Cheek	WIFI2	99.3	0.067	1.007	20.7	
7 085	227	802.11ax	40	H	MCS0	9.94	Right Tilt	WIFI2	99.3	0.056	1.007	21.5	

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)
2 441	39	DH5	F	12.30	Right Cheek	Ant 1	0.119	1.013	20.6	20.6
2 441	39	DH5	H	11.70	Left Cheek	Ant 2	0.176	1.013	18.3	18.3
2 441	39	DH5	F+H	12.60	Left Cheek	MIMO	0.092	1.013	22.0	22.0

Table A-5 RSI = 0,3 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		Form Factor	Ant . No.	Frame Averaged Conducted Power (dBm)	Test Position	Spacing (mm)	Duty Cycle	Meas. SAR(1g) (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
MHz	Ch.											
836.6	190	GSM 850	GPRS4Tx	Open	A	21.45	Rear	5	1:2.07	0.356	25.9	25.9
836.6	190	GSM 850	GPRS4Tx	Open	A	21.45	Front	5	1:2.07	0.224	27.9	
836.6	190	GSM 850	GPRS4Tx	Close	A	21.45	Rear	5	1:2.07	0.328	26.3	
836.6	190	GSM 850	GPRS4Tx	Close	A	21.45	Front	5	1:2.07	0.056	34.0	
1850.2	512	GSM 1900	GPRS4Tx	Open	A	16.89	Front	5	1:2.07	0.430	20.3	20.3
1850.2	512	GSM 1900	GPRS4Tx	Close	A	16.89	Rear	5	1:2.07	0.396	20.7	
836.6	4183	UMTS Band 5	RMC	Open	A	21.82	Rear	5	1:1	0.474	25.1	25.1
836.6	4183	UMTS Band 5	RMC	Open	A	21.82	Front	5	1:1	0.296	27.1	
836.6	4183	UMTS Band 5	RMC	Close	A	21.82	Rear	5	1:1	0.303	27.0	
836.6	4183	UMTS Band 5	RMC	Close	A	21.82	Front	5	1:1	0.182	29.2	
1732.4	1412	UMTS Band 4	RMC	Open	A	18.69	Rear	5	1:1	0.578	21.1	21.1
1732.4	1412	UMTS Band 4	RMC	Open	A	18.69	Front	5	1:1	0.479	21.9	
1732.4	1412	UMTS Band 4	RMC	Open	I	16.54	Rear	5	1:1	0.546	19.2	19.2
1880.0	9400	UMTS Band 2	RMC	Open	A	18.06	Rear	5	1:1	0.474	21.3	21.3
1880.0	9400	UMTS Band 2	RMC	Open	A	18.06	Front	5	1:1	0.324	23.0	
1880.0	9400	UMTS Band 2	RMC	Close	I	15.90	Front	5	1:1	0.324	20.8	20.8

Table A-6 RSI = 0,3 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	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	Spacing (mm)	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimur Plimit
Mhz	Ch.				Mhz	(dBm)			(dB)				(W/kg)	(dBm)	(dBm)
7 07.5	23095	LTE Band 12	Open	A	10	22.45	Rear	5	0	1	24	1:1	0.466	25.8	25.7
7 07.5	23095	LTE Band 12	Open	A	10	22.45	Front	5	0	1	24	1:1	0.251	28.5	
7 07.5	23095	LTE Band 12	Close	A	10	22.45	Rear	5	0	1	24	1:1	0.477	25.7	
7 07.5	23095	LTE Band 12	Close	A	10	22.45	Front	5	0	1	24	1:1	0.128	31.4	
7 82.0	23230	LTE Band 13	Open	A	10	21.45	Rear	5	0	1	24	1:1	0.568	23.9	23.8
7 82.0	23230	LTE Band 13	Open	A	10	21.45	Front	5	0	1	24	1:1	0.279	27.0	
7 82.0	23230	LTE Band 13	Close	A	10	21.45	Rear	5	0	1	24	1:1	0.588	23.8	
7 82.0	23230	LTE Band 13	Close	A	10	21.45	Front	5	0	1	24	1:1	0.165	29.3	
7 10.0	23790	LTE Band 17	Open	A	10	22.33	Rear	5	0	1	24	1:1	0.336	27.1	26.5
7 10.0	23790	LTE Band 17	Open	A	10	22.33	Front	5	0	1	24	1:1	0.196	29.4	
7 10.0	23790	LTE Band 17	Close	A	10	22.33	Rear	5	0	1	24	1:1	0.383	26.5	
7 10.0	23790	LTE Band 17	Close	A	10	22.33	Front	5	0	1	24	1:1	0.079	33.4	
1 860.0	26140	LTE Band 25	Open	A	20	17.35	Rear	5	0	100	0	1:1	0.634	19.3	19.3
1 882.5	26365	LTE Band 25	Open	A	20	17.38	Front	5	0	1	0	1:1	0.415	21.2	
1 882.5	26365	LTE Band 25	Close	A	20	17.40	Rear	5	0	50	0	1:1	0.566	19.9	
1 882.5	26365	LTE Band 25	Open	I	20	16.66	Rear	5	0	1	0	1:1	0.516	19.5	19.5
1 882.5	26365	LTE Band 25	Open	I	20	16.66	Front	5	0	1	0	1:1	0.461	20.0	
1 882.5	26365	LTE Band 25	Close	I	20	16.66	Rear	5	0	1	0	1:1	0.039	30.7	
1 882.5	26365	LTE Band 25	Close	I	20	16.66	Front	5	0	1	0	1:1	0.479	19.9	
8 31.5	26865	LTE Band 26	Open	A	15	21.71	Rear	5	0	1	0	1:1	0.475	24.9	23.7
8 31.5	26865	LTE Band 26	Open	A	15	21.71	Front	5	0	1	0	1:1	0.280	27.2	
8 31.5	26865	LTE Band 26	Close	A	15	21.71	Rear	5	0	1	0	1:1	0.632	23.7	
8 31.5	26865	LTE Band 26	Close	A	15	21.71	Front	5	0	1	0	1:1	0.116	31.1	

MEASUREMENT RESULTS															
Frequency		Mode	Form Factor	Ant. No.	Bandwidth	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)							(W/kg)	(dBm)	(dBm)
2 593	40620	LTE Band 41(PC3)	Open	I	20	17.10	Rear	5	0	1	49	1:1.58	0.696	18.7	18.7
2 593	40620	LTE Band 41(PC3)	Close	I	20	17.10	Front	5	0	1	49	1:1.58	0.407	21.0	
2 593	40620	LTE Band 41(PC2)	Open	I	20	16.86	Rear	5	0	1	49	1:2.31	0.594	19.1	19.1
1 745	132322	LTE Band 66	Open	A	20	18.66	Rear	5	0	50	49	1:1	0.618	20.8	20.8
1 745	132322	LTE Band 66	Open	A	20	18.66	Front	5	0	50	49	1:1	0.423	22.4	
1 745	132322	LTE Band 66	Close	A	20	18.66	Rear	5	0	50	49	1:1	0.409	22.5	
1 770	132572	LTE Band 66	Open	I	20	16.59	Rear	5	0	1	99	1:1	0.525	19.4	19.3
1 770	132572	LTE Band 66	Open	I	20	16.59	Front	5	0	1	99	1:1	0.457	20.0	
1 770	132572	LTE Band 66	Close	I	20	16.59	Rear	5	0	1	99	1:1	0.027	32.3	
1 770	132572	LTE Band 66	Close	I	20	16.59	Front	5	0	1	99	1:1	0.534	19.3	

Table A-7 RSI = 0,3 *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 bands were measured in FTM Mode.

MEASUREMENT RESULTS																
Frequency		Mode	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
					MHz	(dBm)								(W/kg)	(dBm)	(dBm)
1 882.5	376500	NR Band n25	Open	A	40	17.92	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.652	19.8	19.8
1 882.5	376500	NR Band n25	Open	A	40	17.92	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.509	20.9	
1 882.5	376500	NR Band n25	Close	A	40	17.69	Rear	DFT-s-OFDM QPSK	0	5	108	0	1:1	0.492	20.8	
1 882.5	376500	NR Band n25	Open	I	40	15.69	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.616	17.8	17.8
1 882.5	376500	NR Band n25	Close	I	40	15.69	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.559	18.2	
8 36.5	167300	NR Band n5	Open	A	20	21.48	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.415	25.3	24.8
8 36.5	167300	NR Band n5	Open	A	20	21.48	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.272	27.1	
8 36.5	167300	NR Band n5	Close	A	20	21.48	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.466	24.8	
8 36.5	167300	NR Band n5	Close	A	20	21.48	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.071	33.0	

MEASUREMENT RESULTS																
Frequency		Mode	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimu Plimit
					MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
1 745	349000	NR Band n66	Open	A	40	17.95	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.643	19.9	19.9
1 745	349000	NR Band n66	Open	A	40	17.95	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.458	21.3	
1 745	349000	NR Band n66	Open	I	40	16.23	Rear	DFT-s-OFDM QPSK	0	5	108	108	1:1	0.377	20.5	
6 80.5	136100	NR Band n71	Open	A	20	22.51	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.293	27.8	26.2
6 80.5	136100	NR Band n71	Open	A	20	22.51	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.156	30.6	
6 80.5	136100	NR Band n71	Open	A	20	22.51	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.428	26.2	
6 80.5	136100	NR Band n71	Open	A	20	22.51	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.126	31.5	
2 593	518598	NR Band n41	Open	I	100	17.63	Rear	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.352	22.2	20.6
2 593	518598	NR Band n41	Open	I	100	17.63	Front	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.407	21.5	
2 593	518598	NR Band n41	Close	I	100	17.63	Rear	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.172	25.3	
2 593	518598	NR Band n41	Close	I	100	17.63	Front	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.509	20.6	
2 593	518598	NR n41 SRS2	Open	B	100	15.88	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.089	26.4	26.4
2 593	518598	NR n41 SRS2	Open	B	100	15.88	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.018	33.3	
2 593	518598	NR n41 SRS2	Close	B	100	15.88	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.082	26.7	
2 593	518598	NR n41 SRS2	Close	B	100	15.88	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.000	-	
2 593	518598	NR n41 SRS3	Open	F	100	17.97	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.049	31.1	30.6
2 593	518598	NR n41 SRS3	Open	F	100	17.97	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.054	30.6	
2 593	518598	NR n41 SRS3	Close	F	100	17.97	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.003	42.2	
2 593	518598	NR n41 SRS3	Close	F	100	17.97	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.052	30.8	
2 593	518598	NR n41 SRS4	Open	C	100	15.62	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.039	29.7	29.7
2 593	518598	NR n41 SRS4	Open	C	100	15.62	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.008	36.1	
2 593	518598	NR n41 SRS4	Close	C	100	15.62	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.019	32.8	
2 593	518598	NR n41 SRS4	Close	C	100	15.62	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.000	-	

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

MEASUREMENT RESULTS														
Frequency		Mode/ Band	Band width	Form Factor	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)
2437	6	802.11b	20	Open	H	1	14.88	Rear	WIFI2	98.8	0.227	1.012	20.4	20.4
2437	6	802.11b	20	Close	H	1	14.88	Front	WIFI2	98.8	0.203	1.012	20.8	
5690	138	802.11ac	80	Close	F	MCS0	12.27	Front	WIFI1	85.5	0.270	1.170	17.0	17.0
5775	155	802.11ac	80	Open	H	MCS0	11.43	Rear	WIFI2	85.5	0.234	1.170	16.8	16.7
5855	171	802.11ac	80	Close	H	MCS0	11.50	Front	WIFI2	85.5	0.241	1.170	16.7	
6525	115	802.11ax	40	Open	F	MCS0	9.56	Rear	WIFI1	99.3	0.093	1.007	18.9	18.4
6525	115	802.11ax	40	Open	F	MCS0	9.56	Front	WIFI1	99.3	0.082	1.007	19.5	
6525	115	802.11ax	40	Close	F	MCS0	9.56	Back	WIFI1	99.3	0.009	1.007	29.0	
6525	115	802.11ax	40	Close	F	MCS0	9.56	Front	WIFI1	99.3	0.105	1.007	18.4	
7085	227	802.11ax	40	Open	H	MCS0	9.94	Rear	WIFI2	99.3	0.053	1.007	21.7	19.0
7085	227	802.11ax	40	Open	H	MCS0	9.94	Front	WIFI2	99.3	0.028	1.007	24.5	
7085	227	802.11ax	40	Close	H	MCS0	9.94	Back	WIFI2	99.3	0.027	1.007	24.7	
7085	227	802.11ax	40	Close	H	MCS0	9.94	Front	WIFI2	99.3	0.100	1.007	19.0	

MEASUREMENT RESULTS											
Frequency		Mode/ Band	Form Factor	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)
2 441	39	DH5	Open	H	18.60	Rear	Ant 2	0.504	1.013	20.6	20.6
2 441	39	DH5	Close	H	18.60	Front	Ant 2	0.220	1.013	24.2	

Table A-9 RSI = 2,4 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		Form Factor	Ant. No.	Frame Averaged Conducted Power (dBm)	Test Position	Spacing (mm)	Duty Cycle	Meas. SAR(1g) (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
MHz	Ch.											
836.6	190	GSM 850	GPRS4Tx	Open	A	21.45	Rear	5	1:2.07	0.356	25.9	25.9
836.6	190	GSM 850	GPRS4Tx	Open	A	21.45	Front	5	1:2.07	0.224	27.9	
836.6	190	GSM 850	GPRS4Tx	Open	A	21.45	Left	5	1:2.07	0.009	41.9	
836.6	190	GSM 850	GPRS4Tx	Open	A	21.45	Right	5	1:2.07	0.008	42.4	
836.6	190	GSM 850	GPRS4Tx	Open	A	21.45	Bottom	5	1:2.07	0.141	30.0	
836.6	190	GSM 850	GPRS4Tx	Close	A	21.45	Rear	5	1:2.07	0.328	26.3	
836.6	190	GSM 850	GPRS4Tx	Close	A	21.45	Front	5	1:2.07	0.056	34.0	
836.6	190	GSM 850	GPRS4Tx	Close	A	21.45	Left	5	1:2.07	0.080	32.4	
836.6	190	GSM 850	GPRS4Tx	Close	A	21.45	Right	5	1:2.07	0.069	33.1	
836.6	190	GSM 850	GPRS4Tx	Close	A	21.45	Bottom	5	1:2.07	0.104	31.3	
1850.2	512	GSM 1900	Voice	Open	A	16.38	Rear	5	1:2.07	0.599	18.6	17.1
1850.2	512	GSM 1900	GPRS4Tx	Open	A	16.89	Front	5	1:2.07	0.430	20.6	
1850.2	512	GSM 1900	GPRS4Tx	Open	A	16.89	Bottom	5	1:2.07	0.958	17.1	
1850.2	512	GSM 1900	GPRS4Tx	Close	A	16.89	Rear	5	1:2.07	0.396	20.9	
1850.2	512	GSM 1900	GPRS4Tx	Close	A	16.89	Bottom	5	1:2.07	0.619	19.0	

MEASUREMENT RESULTS												
Frequency		Mode/ Band		Form Factor	Ant. No.	Frame Averaged Conducted Power (dBm)	Test Position	Spacing (mm)	Duty Cycle	Meas. SAR(1g) (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Mhz	Ch.											
836.6	4183	UMTS Band 5	RMC	Open	A	21.82	Rear	5	1:1	0.474	25.1	24.8
836.6	4183	UMTS Band 5	RMC	Open	A	21.82	Front	5	1:1	0.296	27.1	
836.6	4183	UMTS Band 5	RMC	Open	A	21.82	Left	5	1:1	0.156	29.9	
836.6	4183	UMTS Band 5	RMC	Open	A	21.82	Right	5	1:1	0.192	29.0	
836.6	4183	UMTS Band 5	RMC	Open	A	21.82	Bottom	5	1:1	0.499	24.8	
836.6	4183	UMTS Band 5	RMC	Close	A	21.82	Rear	5	1:1	0.303	27.0	
836.6	4183	UMTS Band 5	RMC	Close	A	21.82	Front	5	1:1	0.182	29.2	
836.6	4183	UMTS Band 5	RMC	Close	A	21.82	Left	5	1:1	0.149	30.1	
836.6	4183	UMTS Band 5	RMC	Close	A	21.82	Right	5	1:1	0.093	32.1	
836.6	4183	UMTS Band 5	RMC	Close	A	21.82	Bottom	5	1:1	0.448	25.3	
1732.4	1412	UMTS Band 4	RMC	Open	A	18.69	Rear	5	1:1	0.578	21.1	19.1
1732.4	1412	UMTS Band 4	RMC	Open	A	18.69	Front	5	1:1	0.479	21.9	
1732.4	1412	UMTS Band 4	RMC	Open	A	18.69	Bottom	5	1:1	0.900	19.1	
1752.6	1513	UMTS Band 4	RMC	Close	A	18.61	Bottom	5	1:1	0.619	20.7	
1732.4	1412	UMTS Band 4	RMC	Open	I	16.54	Rear	5	1:1	0.546	19.2	18.7
1732.4	1412	UMTS Band 4	RMC	Open	I	16.54	Right	5	1:1	0.610	18.7	
1732.4	1412	UMTS Band 4	RMC	Close	I	16.54	Right	5	1:1	0.500	19.6	

MEASUREMENT RESULTS												
Frequency		Mode/ Band		Form Factor	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.											
1 880	9400	UMTS Band 2	RMC	Open	A	18.06	Rear	5	1:1	0.474	21.3	18.1
1 880	9400	UMTS Band 2	RMC	Open	A	18.06	Front	5	1:1	0.324	23.0	
1 852.4	9262	UMTS Band 2	RMC	Open	A	18.10	Bottom	5	1:1	0.995	18.1	
1 852.4	9262	UMTS Band 2	RMC	Close	A	18.10	Bottom	5	1:1	0.786	19.1	
1 880	9400	UMTS Band 2	RMC	Open	I	15.90	Right	5	1:1	0.803	16.9	17.5
1 907.6	9538	UMTS Band 2	RMC	Open	I	15.71	Right	5	1:1	0.669	17.5	
1 880	9400	UMTS Band 2	RMC	Close	I	15.90	Front	5	1:1	0.324	20.8	
1 880	9400	UMTS Band 2	RMC	Close	I	15.90	Right	5	1:1	0.697	17.5	

Table A-10 RSI = 2,4 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	Form Factor	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)				(dBm)	(dBm)	
7 07.5	23095	LTE Band 12	Open	A	10	22.45	Rear	5	0	1	24	1:1	0.466	25.8	25.7
7 07.5	23095	LTE Band 12	Open	A	10	22.45	Front	5	0	1	24	1:1	0.251	28.5	
7 07.5	23095	LTE Band 12	Open	A	10	22.45	Left	5	0	1	24	1:1	0.151	30.7	
7 07.5	23095	LTE Band 12	Open	A	10	22.45	Right	5	0	1	24	1:1	0.190	29.7	
7 07.5	23095	LTE Band 12	Open	A	10	22.45	Bottom	5	0	1	24	1:1	0.169	30.2	
7 07.5	23095	LTE Band 12	Close	A	10	22.45	Rear	5	0	1	24	1:1	0.477	25.7	
7 07.5	23095	LTE Band 12	Close	A	10	22.45	Front	5	0	1	24	1:1	0.128	31.4	
7 07.5	23095	LTE Band 12	Close	A	10	22.45	Left	5	0	1	24	1:1	0.113	31.9	
7 07.5	23095	LTE Band 12	Close	A	10	22.45	Right	5	0	1	24	1:1	0.053	35.2	
7 07.5	23095	LTE Band 12	Close	A	10	22.45	Bottom	5	0	1	24	1:1	0.195	29.5	
7 82	23230	LTE Band 13	Open	A	10	21.45	Rear	5	0	1	24	1:1	0.568	23.9	23.8
7 82	23230	LTE Band 13	Open	A	10	21.45	Front	5	0	1	24	1:1	0.279	27.0	
7 82	23230	LTE Band 13	Open	A	10	21.45	Left	5	0	1	24	1:1	0.172	29.1	
7 82	23230	LTE Band 13	Open	A	10	21.45	Right	5	0	1	24	1:1	0.270	27.1	
7 82	23230	LTE Band 13	Open	A	10	21.45	Bottom	5	0	1	24	1:1	0.222	28.0	
7 82	23230	LTE Band 13	Close	A	10	21.45	Rear	5	0	1	24	1:1	0.588	23.8	
7 82	23230	LTE Band 13	Close	A	10	21.45	Front	5	0	1	24	1:1	0.165	29.3	
7 82	23230	LTE Band 13	Close	A	10	21.45	Left	5	0	1	24	1:1	0.137	30.1	
7 82	23230	LTE Band 13	Close	A	10	21.45	Right	5	0	1	24	1:1	0.077	32.6	
7 82	23230	LTE Band 13	Close	A	10	21.45	Bottom	5	0	1	24	1:1	0.250	27.5	

MEASUREMENT RESULTS

Frequency		Mode	Form Factor	Ant. No.	Bandwidth	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)	(dBm)	(dBm)
7 10	23790	LTE Band 17	Open	A	10	22.33	Rear	5	0	1	24	1:1	0.336	26.5	26.1
7 10	23790	LTE Band 17	Open	A	10	22.33	Front	5	0	1	24	1:1	0.196	29.4	
7 10	23790	LTE Band 17	Open	A	10	22.33	Left	5	0	1	24	1:1	0.188	29.6	
7 10	23790	LTE Band 17	Open	A	10	22.33	Right	5	0	1	24	1:1	0.218	28.9	
7 10	23790	LTE Band 17	Open	A	10	22.33	Bottom	5	0	1	24	1:1	0.073	33.7	
7 10	23790	LTE Band 17	Close	A	10	22.33	Rear	5	0	1	24	1:1	0.383	26.1	
7 10	23790	LTE Band 17	Close	A	10	22.33	Front	5	0	1	24	1:1	0.079	33.4	
7 10	23790	LTE Band 17	Close	A	10	22.33	Left	5	0	1	24	1:1	0.076	33.5	
7 10	23790	LTE Band 17	Close	A	10	22.33	Right	5	0	1	24	1:1	0.038	36.5	
7 10	23790	LTE Band 17	Close	A	10	22.33	Bottom	5	0	1	24	1:1	0.089	32.8	
1 860	26140	LTE Band 25	Open	A	20	17.35	Rear	5	0	100	0	1:1	0.634	19.3	17.5
1 882.5	26365	LTE Band 25	Open	A	20	17.38	Front	5	0	1	0	1:1	0.415	21.2	
1 860	26140	LTE Band 25	Open	A	20	17.35	Bottom	5	0	50	0	1:1	0.962	17.5	
1 882.5	26365	LTE Band 25	Close	A	20	17.40	Rear	5	0	50	0	1:1	0.566	19.9	
1 860	26140	LTE Band 25	Close	A	20	17.35	Bottom	5	0	100	0	1:1	0.926	17.7	
1 860	26140	LTE Band 25	Open	I	20	16.35	Rear	5	0	1	0	1:1	0.516	19.2	16.8
1 860	26140	LTE Band 25	Open	I	20	16.35	Front	5	0	1	0	1:1	0.461	19.7	
1 860	26140	LTE Band 25	Open	I	20	16.35	Right	5	0	1	0	1:1	0.895	16.8	
1 860	26140	LTE Band 25	Open	I	20	16.35	Top	5	0	1	0	1:1	0.07	27.9	
1 860	26140	LTE Band 25	Close	I	20	16.35	Rear	5	0	1	0	1:1	0.039	30.4	
1 860	26140	LTE Band 25	Close	I	20	16.35	Front	5	0	1	0	1:1	0.479	19.5	
1 860	26140	LTE Band 25	Close	I	20	16.35	Right	5	0	1	0	1:1	0.678	18.0	
1 860	26140	LTE Band 25	Close	I	20	16.35	Top	5	0	1	0	1:1	0.011	35.9	
1 860	26140	LTE Band 25	Close	I	20	16.35	Bottom	5	0	1	0	1:1	0.044	29.9	
8 31.5	26865	LTE Band 26	Open	A	15	21.71	Rear	5	0	1	0	1:1	0.475	24.9	23.7
8 31.5	26865	LTE Band 26	Open	A	15	21.71	Front	5	0	1	0	1:1	0.280	27.2	
8 31.5	26865	LTE Band 26	Open	A	15	21.71	Left	5	0	1	0	1:1	0.112	31.2	
8 31.5	26865	LTE Band 26	Open	A	15	21.71	Right	5	0	1	0	1:1	0.168	29.5	
8 31.5	26865	LTE Band 26	Open	A	15	21.71	Bottom	5	0	1	0	1:1	0.171	29.4	
8 31.5	26865	LTE Band 26	Close	A	15	21.71	Rear	5	0	1	0	1:1	0.632	23.7	
8 31.5	26865	LTE Band 26	Close	A	15	21.71	Front	5	0	1	0	1:1	0.116	31.1	
8 31.5	26865	LTE Band 26	Close	A	15	21.71	Left	5	0	1	0	1:1	0.090	32.2	
8 31.5	26865	LTE Band 26	Close	A	15	21.71	Right	5	0	1	0	1:1	0.117	31.0	
8 31.5	26865	LTE Band 26	Close	A	15	21.71	Bottom	5	0	1	0	1:1	0.226	28.2	

MEASUREMENT RESULTS

Frequency		Mode	Form Factor	Ant. No.	Bandwidth	Frame Averaged Conducted Power	Test Position	Spacing (mm)	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimum Plimit
Mhz	Ch.				Mhz								(W/kg)	(dBm)	(dBm)
2 680.0	41490	LTE Band 41(PC3)	Open	B	20	19.44	Bottom	5	0	1	0	1:1.58	0.492	22.5	22.5
2 593.0	40620	LTE Band 41(PC3)	Close	B	20	19.22	Bottom	5	0	50	0	1:1.58	0.216	25.9	
2 680.0	41490	LTE Band 41(PC2)	Open	B	20	19.95	Bottom	5	0	1	0	1:2.31	0.408	23.8	23.8
2 593.0	40620	LTE Band 41(PC2)	Close	B	20	19.83	Bottom	5	0	50	0	1:2.31	0.173	27.5	
2 549.5	40185	LTE Band 41(PC3)	Open	I	20	17.10	Rear	5	0	1	49	1:1.58	0.696	18.7	18.4
2 549.5	40185	LTE Band 41(PC3)	Open	I	20	16.94	Rear	5	0	50	0	1:1.58	0.689	18.6	
2 593.0	40620	LTE Band 41(PC3)	Open	I	20	16.81	Right	5	0	50	0	1:1.58	0.692	18.4	
2 549.5	40185	LTE Band 41(PC3)	Close	I	20	17.10	Front	5	0	1	49	1:1.58	0.407	21.0	
2 549.5	40185	LTE Band 41(PC3)	Close	I	20	17.10	Right	5	0	1	49	1:1.58	0.611	19.2	
2 549.5	40185	LTE Band 41(PC2)	Open	I	20	16.86	Rear	5	0	1	49	1:2.31	0.594	19.1	18.4
2 593.0	40620	LTE Band 41(PC2)	Open	I	20	16.87	Right	5	0	50	0	1:2.31	0.700	18.4	
2 549.5	40185	LTE Band 41(PC2)	Close	I	20	16.86	Right	5	0	1	49	1:2.31	0.523	19.7	18.2
1 745	132322	LTE Band 66	Open	A	20	18.66	Rear	5	0	50	49	1:1	0.618	20.8	
1 745	132322	LTE Band 66	Open	A	20	18.66	Front	5	0	50	49	1:1	0.423	22.4	
1 770	132572	LTE Band 66	Open	A	20	18.65	Bottom	5	0	50	49	1:1	1.100	18.2	
1 745	132322	LTE Band 66	Close	A	20	18.66	Rear	5	0	50	49	1:1	0.409	22.5	
1 745	132322	LTE Band 66	Close	A	20	18.51	Bottom	5	0	1	99	1:1	0.640	20.4	
1 770	132572	LTE Band 66	Open	I	20	16.59	Rear	5	0	1	99	1:1	0.525	19.4	17.5
1 770	132572	LTE Band 66	Open	I	20	16.59	Front	5	0	1	99	1:1	0.457	20.0	
1 770	132572	LTE Band 66	Open	I	20	16.59	Right	5	0	1	99	1:1	0.807	17.5	
1 770	132572	LTE Band 66	Open	I	20	16.59	Top	5	0	1	99	1:1	0.043	30.3	
1 770	132572	LTE Band 66	Close	I	20	16.59	Rear	5	0	1	99	1:1	0.027	32.3	
1 770	132572	LTE Band 66	Close	I	20	16.59	Front	5	0	1	99	1:1	0.534	19.3	
1 770	132572	LTE Band 66	Close	I	20	16.59	Right	5	0	1	99	1:1	0.638	18.5	
1 770	132572	LTE Band 66	Close	I	20	16.59	Top	5	0	1	99	1:1	0.010	36.6	
1 770	132572	LTE Band 66	Close	I	20	16.59	Bottom	5	0	1	99	1:1	0.039	30.7	

Table A-11 RSI = 2,4 *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 bands were measured in FTM Mode.

MEASUREMENT RESULTS																
Frequency		Mode	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimu Plimit
					MHz	Ch.			MHz					(dBm)	(dB)	(W/kg)
1 882.5	376500	NR Band n25	Open	A	40	17.92	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.652	19.8	18.4
1 882.5	376500	NR Band n25	Open	A	40	17.69	Rear	DFT-s-OFDM QPSK	0	5	108	0	1:1	0.621	19.8	
1 882.5	376500	NR Band n25	Open	A	40	17.92	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.509	20.9	
1 882.5	376500	NR Band n25	Open	A	40	17.92	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.891	18.4	
1 882.5	376500	NR Band n25	Close	A	40	17.69	Rear	DFT-s-OFDM QPSK	0	5	108	0	1:1	0.492	20.8	
1 882.5	376500	NR Band n25	Close	A	40	17.75	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.612	19.9	
1 882.5	376500	NR Band n25	Open	I	40	15.69	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.616	17.8	16.8
1 882.5	376500	NR Band n25	Open	I	40	15.92	Right	CP-OFDM QPSK	0	5	1	1	1:1	0.817	16.8	
1 882.5	376500	NR Band n25	Close	I	40	15.69	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.559	18.2	
1 882.5	376500	NR Band n25	Close	I	40	15.92	Right	DFT-s-OFDM QPSK	0	5	108	0	1:1	0.727	17.3	

MEASUREMENT RESULTS																
Frequency		Mode	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
MHz	Ch.				MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
2 593	518598	NR Band n41	Open	I	100	17.63	Rear	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.352	22.2	18.5
2 593	518598	NR Band n41	Open	I	100	17.63	Front	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.407	21.5	
2 593	518598	NR Band n41	Open	I	100	17.63	Right	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.823	18.5	
2 593	518598	NR Band n41	Open	I	100	17.63	Top	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.05	30.6	
2 593	518598	NR Band n41	Close	I	100	17.63	Rear	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.172	25.3	
2 593	518598	NR Band n41	Close	I	100	17.63	Front	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.509	20.6	
2 593	518598	NR Band n41	Close	I	100	17.63	Left	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.751	18.9	
2 593	518598	NR Band n41	Close	I	100	17.63	Bottom	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.034	32.3	
2 593	518598	NR Band n41	Close	I	100	17.63	Rear	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.095	27.9	
2 593	518598	NR n41 SRS2	Open	B	100	15.88	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.089	26.4	21.8
2 593	518598	NR n41 SRS2	Open	B	100	15.88	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.018	33.3	
2 593	518598	NR n41 SRS2	Open	B	100	15.88	Left	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.062	28.0	
2 593	518598	NR n41 SRS2	Open	B	100	15.88	Bottom	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.253	21.8	
2 593	518598	NR n41 SRS2	Close	B	100	15.88	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.082	26.7	
2 593	518598	NR n41 SRS2	Close	B	100	15.88	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.000	N/A	
2 593	518598	NR n41 SRS2	Close	B	100	15.88	Left	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.054	28.6	
2 593	518598	NR n41 SRS2	Close	B	100	15.88	Bottom	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.199	22.9	
2 593	518598	NR n41 SRS3	Open	F	100	17.97	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.049	31.1	26.0
2 593	518598	NR n41 SRS3	Open	F	100	17.97	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.054	30.6	
2 593	518598	NR n41 SRS3	Open	F	100	17.97	Left	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.156	26.0	
2 593	518598	NR n41 SRS3	Open	F	100	17.97	Top	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.050	31.0	
2 593	518598	NR n41 SRS3	Close	F	100	17.97	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.003	43.2	
2 593	518598	NR n41 SRS3	Close	F	100	17.97	Front	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.052	30.8	
2 593	518598	NR n41 SRS3	Close	F	100	17.97	Left	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.098	28.1	
2 593	518598	NR n41 SRS3	Close	F	100	17.97	Bottom	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.000	N/A	
2 593	518598	NR n41 SRS3	Close	F	100	17.97	Top	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.046	31.3	
2 593	518598	NR n41 SRS4	Open	C	100	15.62	Rear	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.039	29.7	29.7
2 593	518598	NR n41 SRS4	Open	C	100	15.62	Front	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.008	36.1	
2 593	518598	NR n41 SRS4	Open	C	100	15.62	Left	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.017	33.3	
2 593	518598	NR n41 SRS4	Open	C	100	15.62	Bottom	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.000	N/A	
2 593	518598	NR n41 SRS4	Close	C	100	15.62	Rear	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.019	32.8	
2 593	518598	NR n41 SRS4	Close	C	100	15.62	Front	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.000	N/A	
2 593	518598	NR n41 SRS4	Close	C	100	15.62	Left	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.035	30.2	
2 593	518598	NR n41 SRS4	Close	C	100	15.62	Top	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.000	N/A	
2 593	518598	NR n41 SRS4	Close	C	100	15.62	Bottom	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.000	N/A	

MEASUREMENT RESULTS																
Frequency		Mode	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
MHz	Ch.				MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
1 745	349000	NR Band n66	Open	A	40	17.95	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.643	19.9	18.6
1 745	349000	NR Band n66	Open	A	40	17.91	Rear	DFT-s-OFDM QPSK	0	5	108	54	1:1	0.707	19.4	
1 745	349000	NR Band n66	Open	A	40	17.95	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.458	21.3	
1 745	349000	NR Band n66	Open	A	40	17.95	Bottom	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.863	18.6	
1 745	349000	NR Band n66	Close	A	40	17.95	Bottom	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.863	18.6	
1 745	349000	NR Band n66	Open	I	40	16.23	Rear	DFT-s-OFDM QPSK	0	5	108	108	1:1	0.377	20.5	17.8
1 745	349000	NR Band n66	Open	I	40	16.23	Right	DFT-s-OFDM QPSK	0	5	108	108	1:1	0.704	17.8	
1 745	349000	NR Band n66	Close	I	40	16.23	Right	DFT-s-OFDM QPSK	0	5	108	108	1:1	0.538	18.9	

MEASUREMENT RESULTS																
Frequency		Mode	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
MHz	Ch.				MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
680.5	136100	NR Band n71	Open	A	20	22.51	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.293	27.8	26.2
680.5	136100	NR Band n71	Open	A	20	22.51	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.156	30.6	
680.5	136100	NR Band n71	Open	A	20	22.51	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.127	31.5	
680.5	136100	NR Band n71	Open	A	20	22.51	Right	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.179	30.0	
680.5	136100	NR Band n71	Open	A	20	22.51	Bottom	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.097	32.6	
680.5	136100	NR Band n71	Close	A	20	22.51	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.428	26.2	
680.5	136100	NR Band n71	Close	A	20	22.51	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.126	31.5	
680.5	136100	NR Band n71	Close	A	20	22.51	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.096	32.7	
680.5	136100	NR Band n71	Close	A	20	22.51	Right	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.047	35.8	
680.5	136100	NR Band n71	Close	A	20	22.51	Bottom	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.245	28.6	
3930	662000	NR Band n77	Open	F	100	13.80	Left	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.564	19.3	15.9
3930	662000	NR Band n77	Close	F	100	13.80	Left	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.611	15.9	

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

MEASUREMENT RESULTS														
Frequency		Mode/ Band	Band width h	Form Factor	Ant. No.	Data Rate	Frame Averaged Conducted Power	Test Position	Ant. Config.	Duty Cycle	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
Mhz	Ch.					(Mbps)	(dBm)				(W/kg)	(Duty)	(dBm)	(dBm)
2 437	6	802.11b	20	Open	F	1	14.81	Left	WIFI1	98.8	0.395	1.012	17.9	17.9
2 437	6	802.11b	20	Close	F	1	14.81	Left	WIFI1	98.8	0.396	1.012	17.9	
2 437	6	802.11b	20	Open	H	1	14.88	Rear	WIFI2	98.8	0.227	1.012	20.4	20.4
2 437	6	802.11b	20	Close	H	1	14.88	Front	WIFI2	98.8	0.203	1.012	20.8	
2 437	6	802.11b	20	Open	MIMO	1	14.81	Left	MIMO	98.8	0.330	1.012	18.7	17.4
2 437	6	802.11b	20	Close	MIMO	1	14.81	Left	MIMO	98.8	0.439	1.012	17.4	
5 690	138	802.11ac	80	Open	F	MCS0	12.27	Left	WIFI1	85.5	0.235	1.170	18.5	17.6
5 690	138	802.11ac	80	Close	F	MCS0	12.27	Front	WIFI1	85.5	0.27	1.170	17.6	
5 610	122	802.11ac	80	Open	H	MCS0	11.43	Rear	WIFI2	85.5	0.234	1.170	16.8	16.7
5 855	171	802.11ac	80	Close	H	MCS0	11.50	Front	WIFI2	85.5	0.241	1.170	16.7	
5 690	138	802.11ac	80	Open	MIMO	MCS0	11.43	Rear	MIMO	85.5	0.248	1.170	16.5	16.5
5 775	155	802.11ac	80	Close	MIMO	MCS0	11.50	Left	MIMO	85.5	0.118	1.170	19.8	

MEASUREMENT RESULTS															
Frequency		Mode/ Band	Band width h	Form Factor	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)	
6 525	115	802.11ax	40	Open	F	MCS0	9.56	Rear	WIFI1	99.3	0.093	1.007	18.9	18.4	
6 525	115	802.11ax	40	Open	F	MCS0	9.56	Front	WIFI1	99.3	0.082	1.007	19.5		
6 525	115	802.11ax	40	Open	F	MCS0	9.56	Left	WIFI1	99.3	0.040	1.007	22.6		
6 525	115	802.11ax	40	Open	F	MCS0	9.56	Top	WIFI1	99.3	0.028	1.007	24.1		
6 525	115	802.11ax	40	Close	F	MCS0	9.56	Back	WIFI1	99.3	0.009	1.007	29.0		
6 525	115	802.11ax	40	Close	F	MCS0	9.56	Front	WIFI1	99.3	0.105	1.007	18.4		
6 525	115	802.11ax	40	Close	F	MCS0	9.56	Left	WIFI1	99.3	0.049	1.007	21.7		
6 525	115	802.11ax	40	Close	F	MCS0	9.56	Bottom	WIFI1	99.3	0.033	1.007	23.4		
7 085	227	802.11ax	40	Open	H	MCS0	9.94	Rear	WIFI2	99.3	0.053	1.007	22.7	19.9	
7 085	227	802.11ax	40	Open	H	MCS0	9.94	Front	WIFI2	99.3	0.028	1.007	25.5		
7 085	227	802.11ax	40	Open	H	MCS0	9.94	Right	WIFI2	99.3	0.078	1.007	21.0		
7 085	227	802.11ax	40	Open	H	MCS0	9.94	Top	WIFI2	99.3	0.017	1.007	27.6		
7 085	227	802.11ax	40	Close	H	MCS0	9.94	Back	WIFI2	99.3	0.027	1.007	25.6		
7 085	227	802.11ax	40	Close	H	MCS0	9.94	Front	WIFI2	99.3	0.100	1.007	19.9		
7 085	227	802.11ax	40	Close	H	MCS0	9.94	Right	WIFI2	99.3	0.091	1.007	20.3		
7 085	227	802.11ax	40	Close	H	MCS0	9.94	Bottom	WIFI2	99.3	0.023	1.007	26.3		

MEASUREMENT RESULTS											
Frequency		Mode/ Band	Form Factor	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)
2 441	39	DH5	Open	F	18.51	Left	Ant 1	0.405	1.013	21.5	21.5
2 441	39	DH5	Close	F	18.51	Left	Ant 1	0.357	1.013	22.0	
2 441	39	DH5	Open	H	18.60	Rear	Ant 2	0.504	1.013	20.6	20.6
2 441	39	DH5	Close	H	18.60	Front	Ant 2	0.22	1.013	24.2	
2 441	39	DH5	Open	MIMO	17.11	Left	MIMO	0.323	1.013	21.0	19.7
2 441	39	DH5	Close	MIMO	17.36	Left	MIMO	0.465	1.013	19.7	