

TEST REPORT

FCC SAR Part 0 Test for SM-F766B
Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-SR-2505-FC007

DATE OF ISSUE
May 12, 2025

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**TEST
REPORT**PART 0 SAR Test
for certification**REPORT NO.****HCT-SR-2505-FC007****DATE OF ISSUE****May. 12, 2025****FCC ID****A3LSMF766B****Applicant****SAMSUNG Electronics Co., Ltd****129, Samsung-ro, Yeongtong-gu, Suwon-Si, Gyeonggi-do, 16677, Korea****Product Name****Mobile Phone****Model Name****SM-F766B****Date of Test****Mar. 13, 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**

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	May. 12, 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

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Telephone	031-645-6300
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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-F766B
Equipment Type	Mobile Phone
FCC ID	A3LSMF766B
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.

The Samsung S.LSI proprietary TAS algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of SAR_design_target or PD_design_target, below the predefined time-averaged power limit (i.e., Plimit for sub-6 radio and WLAN for each characterized technology and bands.)

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.

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 Pmax, when needed, but enforces power limiting to maintain time-averaged transmit power to Plimit. Below table shows Plimit NV settings and maximum tune up output power Pmax 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 Plimit specified by manufacturer.

SAR Characterization confirms that Plimit 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 in A3LSMF766B_SAR Part 2 Report_Main report.

The validation of The Qualcomm Fast connect TAS algorithm and compliance under the time- varying transmission scenario for WLAN technologies are reported in A3LSMF766B_SAR Part 2 Report_WLAN report.

2.3 Nomenclature for Part 0 Report

Technology	Term	Description
2G/3G/4G/5G Sub6NR/ 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

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

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			Minimum Zoom Scan Volume (mm) (x,y,z)
			Uniform Grid Δzzoom(n)	Graded Grid		
				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 indicator (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	Head SAR per KDB Publication 648474 D04
Flip Open Body (RSI = 0)	Device Flip open Device being used with a body-worn accessory	Body-worn SAR per KDB Publication 648474D04
Flip Open Body (RSI = 2)	Device Flip open Device transmits in hotspot mode near body Extremity SAR	Hotspot SAR per KDB Publication 941225 D06 Phablet SAR per KDB Publication 648474 D04
Flip Close Body (RSI = 3)	Device Flip close Device being used with a body-worn accessory	Body-worn SAR per KDB Publication 648474D04
Flip Close Body (RSI = 4)	Device Flip close Device transmits in hotspot mode near body	Hotspot SAR per KDB Publication 941225 D06

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	Head SAR per KDB Publication 648474 D04
Flip Open & Close Body (DSI = 0)	Device transmits in hotspot mode near body Device is held with hand	Hotspot SAR per KDB Publication 941225 D06 Phablet 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>			
<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 *WWAN 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/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 Plim > Pmax			
Plimit corresponding to 1 W/kg (1g) 2.5W/kg(10g) SAR_Design_target						Pmax
SAR Exposure Position			Head (RCV ON)	Open Body (BodyWorn/ Hotspot)	Closed Body (BodyWorn/ Hotspot)	Maximum Tune-up Output Power (Burst Average Power) [dBm]
Averaging volume			1g	1g	1g	
separation Distance			0 mm	5 mm	5 mm	
Mode	Band	Antenna	RSI=1	RSI=0,2	RSI=3,4	
GSM/GPRS/EDGE	850	A	34.7	21.5	21.5	28.6
GSM/GPRS/EDGE	850	E	18.5	19.5	19.5	27.6
GSM/GPRS/EDGE	1900	B	34.9	19.0	19.0	25.2
UMTS	2	B	23.9	19.0	19.0	25.0
UMTS	2	I	17.0	18.5	18.5	23.0
UMTS	4	B	23.9	19.0	19.0	24.5
UMTS	4	I	17.5	19.5	19.5	23.0
UMTS	5	A	23.9	23.0	23.0	25.0
UMTS	5	E	18.5	19.0	19.0	21.0
LTE FDD	25(2)	B	37.1	19.5	19.5	25.2
LTE FDD	25(2)	I	17.0	18.5	18.5	24.5
LTE FDD	66(4)	B	36.7	19.5	19.5	25.2
LTE FDD	66(4)	I	17.5	19.5	19.5	25.0
LTE FDD	12(17)	A	33.5	23.0	23.0	24.0
LTE FDD	12(17)	E	19.0	19.0	19.0	23.0
LTE FDD	13	A	30.3	23.0	23.0	25.0
LTE FDD	13	E	18.5	18.5	18.5	24.0
LTE FDD	26(5)	A	29.8	22.5	22.5	25.0
LTE FDD	26(5)	E	19.5	20.0	20.0	24.0
LTE TDD	41(PC3)	B	39.2	19.5	19.5	24.5
LTE TDD	41(PC3)	I	14.8	17.5	17.5	24.5
LTE TDD	41(PC2)	B	38.2	19.5	19.5	25.5
LTE TDD	41(PC2)	I	14.8	17.5	17.5	26.0
NR FDD	n25(n2)	B	35.9	19.5	19.5	25.2
NR FDD	n25(n2)	I	17.0	18.5	18.5	24.5
NR FDD	n5	A	31.9	22.5	22.5	25.0
NR FDD	n5	E	19.5	20.0	20.0	24.0
NR TDD SRS 0	n41	B	23.5	19.5	19.5	24.0
NR TDD SRS 1	n41	I	16.5	16.5	16.5	20.0
NR TDD SRS 2	n41	C	23.5	21.0	21.0	24.0
NR TDD SRS 3	n41	G	17.5	15.0	15.0	18.0
NR TDD SRS 0	n41	I	14.8	17.0	17.0	23.0
NR TDD SRS 1	n41	B	14.0	17.0	17.0	23.0
NR FDD	n66	B	39.7	19.5	19.5	25.2
NR FDD	n66	I	17.5	19.5	19.5	25.0
NR FDD	n71	A	33.7	26.6	29.8	25.0
NR FDD	n71	E	19.0	19.5	19.5	24.0
NR TDD SRS 0	n77	F	13.5	16.5	16.5	26.5
NR TDD SRS 1	n77	I	13.5	16.5	16.5	26.5
NR TDD SRS 2	n77	E	13.5	16.5	16.5	26.5
NR TDD SRS 3	n77	C	13.5	16.5	16.5	23.5
NR TDD SRS 0	n77(DoD)	F	13.5	16.5	16.5	26.5
NR TDD SRS 1	n77(DoD)	I	13.5	16.5	16.5	26.5
NR TDD SRS 2	n77(DoD)	E	13.5	16.5	16.5	26.5
NR TDD SRS 3	n77(DoD)	C	13.5	16.5	16.5	23.5

Plim values in green indicate Plimit < Pmax			Plim values in grey indicate Plim > Pmax		
Plimit corresponding to 0.8 W/kg (1g) 2.0W/kg(10g) SAR_Design_target					Pmax
SAR Exposure Position			Head (RCV ON)	Body (BodyWorn/ Hotspot)	Maximum Tune-up Output Power (Burst Average Power) [dBm]
Averaging volume			1g	1g	
separation Distance			0 mm	5 mm	
Mode	Band	Antenna	DSI=1	DSI=0	
WLAN	2.4	G	13.5	14.5	19.0
WLAN	2.4	H	13.5	14.5	19.0
WLAN	2.4	G+H	13.5	14.5	19.0
WLAN	5	F	10.5	15.0	17.0
WLAN	5	H	10.5	15.0	17.0
WLAN	5	F+H	10.5	15.0	17.0
WLAN	6	F	10.0	10.0	16.0
WLAN	6	H	10.0	10.0	16.0
WLAN	6	F+H	10.0	10.0	16.0
Bluetooth	2.4	G	14.5	14.5	18.5
Bluetooth	2.4	H	14.5	14.5	18.5
Bluetooth	2.4	G+H	12.0	17.9	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. The NR TDD n41 band of Ant I is switching to the bottom side ant B in a voice call situation.
5. 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
HP	SAR System Control PC	-	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F11/ 5K3RA1/ C/ 01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F12/ 5K9GA1/ C/ 01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F13/ 5R4XF1/ C/ 01	N/A	N/A	N/A
Staubli	CS9spe-TX2-90	F/24/0058554/C/002	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F08/5AJ0A1/C/01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX60	F/20/0018446/C/001	N/A	N/A	N/A
Staubli	CS8Cspeag-TX60L	F10/5D1CA1/C/01	N/A	N/A	N/A
Staubli	CS9spe-TX2-60	F/21/0029145/C/001	N/A	N/A	N/A
Staubli	TX90 Lspeag	F11/ 5K3RA1/ A/ 01	N/A	N/A	N/A
Staubli	TX90 XLSpeag	F12/ 5K9GA1/ A/ 01	N/A	N/A	N/A
Staubli	TX90 XLSpeag	F13/ 5R4XF1/ A/ 01	N/A	N/A	N/A
Staubli	TX2-90XL speg	F/24/0058554/A/002	N/A	N/A	N/A
Staubli	TX90 XLSpeag	F08/5AJ0A1/A/01	N/A	N/A	N/A
Staubli	TX60 Lspeag	F/20/0018446/A/001	N/A	N/A	N/A
Staubli	TX60 XLSpeag	F10/5D1CA1/A/01	N/A	N/A	N/A
Staubli	TX2-60 Lspe	F/21/0029145/A/001	N/A	N/A	N/A
Staubli	D21142603	S-1203 0309	N/A	N/A	N/A
Staubli	D2114210603	S-1206 0513	N/A	N/A	N/A
Staubli	D21142605	S-1338 1332	N/A	N/A	N/A
Staubli	SP2	D21144508	N/A	N/A	N/A
Staubli	D21143300	S-0008	N/A	N/A	N/A
Staubli	D21142608A	020885	N/A	N/A	N/A
Staubli	D21142106	S-0123	N/A	N/A	N/A
Staubli	SP2	D21144507C	N/A	N/A	N/A
TESTO	175-H1/Thermometer	40331936309	12/26/2024	Annual	12/26/2025
TESTO	175-H1/Thermometer	40331936309	12/26/2024	Annual	12/26/2025
TESTO	175-H1/Thermometer	40331953309	01/16/2025	Annual	01/16/2026
TESTO	175-H1/Thermometer	40332651310	12/26/2024	Annual	12/26/2025
TESTO	175-H1/Thermometer	40331949309	12/26/2024	Annual	12/26/2025
TESTO	175-H1/Thermometer	44606611906	03/20/2025	Annual	03/20/2026
TESTO	175-H1/Thermometer	44606559906	03/20/2025	Annual	03/20/2026
TESTO	608-H1	83348028	03/20/2025	Annual	03/20/2026
SPEAG	DAE4	466	09/03/2024	Annual	09/03/2025
SPEAG	DAE4	780	06/19/2024	Annual	06/19/2025
SPEAG	DAE4	648	04/19/2024	Annual	04/19/2025
SPEAG	DAE4	1254	05/16/2024	Annual	05/16/2025
SPEAG	DAE4	1750	09/13/2024	Annual	09/13/2025
SPEAG	DAE4	869	03/19/2025	Annual	03/19/2026
SPEAG	DAE4	652	01/16/2025	Annual	01/16/2026
SPEAG	DAE4	868	09/19/2024	Annual	09/19/2025
SPEAG	DAE4	446	03/19/2025	Annual	03/19/2026

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
SPEAG	E-Field Probe EX3DV4	7654	05/22/2024	Annual	05/22/2025
SPEAG	E-Field Probe EX3DV4	7702	01/21/2025	Annual	01/21/2026
SPEAG	E-Field Probe EX3DV4	7732	06/19/2024	Annual	06/19/2025
SPEAG	E-Field Probe ES3DV3	3076	07/17/2024	Annual	07/17/2025
SPEAG	E-Field Probe EX3DV4	7622	11/22/2024	Annual	11/22/2025
SPEAG	E-Field Probe EX3DV4	3968	10/29/2024	Annual	10/29/2025
SPEAG	E-Field Probe EX3DV4	7681	11/22/2024	Annual	11/22/2025
SPEAG	E-Field Probe E UmmWV4	9528	05/17/2024	Annual	05/17/2025
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	04/17/2024	Annual	04/17/2025
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
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

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
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 Test Station MT8000A	6261967108	04/22/2024	Annual	04/22/2025
Anritsu	Radio Communication Test Station MT8000A	6261967108	04/21/2025	Annual	04/21/2026
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

* 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			SAR(1g)	(dBm)	Plimit
				(dBm)			(W/kg)	(dBm)	(dBm)
836.6	190	GSM 850	GPRS 4Tx	A	Left Cheek	1:2.07	0.134	33.7	31.6
836.6	190	GSM 850		A	Left Tilt	1:2.07	0.095	35.2	
836.6	190	GSM 850		A	Right Cheek	1:2.07	0.218	31.6	
836.6	190	GSM 850		A	Right Tilt	1:2.07	0.098	35.0	
836.6	190	GSM 850	GPRS 4Tx	E	Left Cheek	1:2.07	0.152	26.9	23.3
836.6	190	GSM 850		E	Left Tilt	1:2.07	0.066	30.5	
836.6	190	GSM 850		E	Right Cheek	1:2.07	0.343	23.3	
836.6	190	GSM 850		E	Right Tilt	1:2.07	0.108	28.3	
1 880	661	GSM 1900	GPRS 4Tx	A	Left Cheek	1:2.07	0.033	36.1	36.1
1 880	661	GSM 1900		A	Left Tilt	1:2.07	0.012	40.4	
1 880	661	GSM 1900		A	Right Cheek	1:2.07	0.025	37.3	
1 880	661	GSM 1900		A	Right Tilt	1:2.07	0.015	39.5	
836.6	4183	UMTS Band 5	RMC	A	Left Cheek	1:1	0.106	34.1	31.7
836.6	4183	UMTS Band 5	RMC	A	Left Tilt	1:1	0.067	36.1	
836.6	4183	UMTS Band 5	RMC	A	Right Cheek	1:1	0.186	31.7	
836.6	4183	UMTS Band 5	RMC	A	Right Tilt	1:1	0.080	35.3	
836.6	4183	UMTS Band 5	RMC	E	Left Cheek	1:1	0.164	26.2	22.5
836.6	4183	UMTS Band 5	RMC	E	Left Tilt	1:1	0.062	30.5	
836.6	4183	UMTS Band 5	RMC	E	Right Cheek	1:1	0.387	22.5	
836.6	4183	UMTS Band 5	RMC	E	Right Tilt	1:1	0.106	28.1	
1 732.4	1412	UMTS Band 4	RMC	A	Left Cheek	1:1	0.034	37.9	37.2
1 732.4	1412	UMTS Band 4	RMC	A	Left Tilt	1:1	0.018	40.7	
1 732.4	1412	UMTS Band 4	RMC	A	Right Cheek	1:1	0.040	37.2	
1 732.4	1412	UMTS Band 4	RMC	A	Right Tilt	1:1	0.009 86	43.2	
1 732.4	1412	UMTS Band 4	RMC	I	Left Cheek	1:1	0.266	23.5	23.5
1 732.4	1412	UMTS Band 4	RMC	I	Left Tilt	1:1	0.067	29.5	
1 732.4	1412	UMTS Band 4	RMC	I	Right Cheek	1:1	0.054	30.5	
1 732.4	1412	UMTS Band 4	RMC	I	Right Tilt	1:1	0.023	34.2	
1 880	9400	UMTS Band 2	RMC	A	Left Cheek	1:1	0.063	35.1	34.4
1 880	9400	UMTS Band 2	RMC	A	Left Tilt	1:1	0.031	38.2	
1 880	9400	UMTS Band 2	RMC	A	Right Cheek	1:1	0.074	34.4	
1 880	9400	UMTS Band 2	RMC	A	Right Tilt	1:1	0.030	38.4	
1 880	9400	UMTS Band 2	RMC	I	Left Cheek	1:1	0.226	23.4	23.4
1 880	9400	UMTS Band 2	RMC	I	Left Tilt	1:1	0.042	30.7	
1 880	9400	UMTS Band 2	RMC	I	Right Cheek	1:1	0.045	30.4	
1 880	9400	UMTS Band 2	RMC	I	Right Tilt	1:1	0.027	32.6	

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)
836.5	20525	LTE Band 5	A	10	24.45	Left Cheek	0	1	0	1:1	0.174	32.0	30.5
836.5	20525	LTE Band 5	A	10	24.45	Left Tilt	0	1	0	1:1	0.091	34.9	
836.5	20525	LTE Band 5	A	10	24.45	Right Cheek	0	1	0	1:1	0.251	30.5	
836.5	20525	LTE Band 5	A	10	24.45	Right Tilt	0	1	0	1:1	0.081	35.4	
836.5	20525	LTE Band 5	E	10	19.07	Left Cheek	0	1	24	1:1	0.146	27.4	24.3
836.5	20525	LTE Band 5	E	10	19.07	Left Tilt	0	1	24	1:1	0.055	31.7	
836.5	20525	LTE Band 5	E	10	19.07	Right Cheek	0	1	24	1:1	0.297	24.3	
836.5	20525	LTE Band 5	E	10	19.07	Right Tilt	0	1	24	1:1	0.105	28.9	
707.5	23095	LTE Band 12	A	10	24.96	Left Cheek	0	1	24	1:1	0.095	35.0	33.8
707.5	23095	LTE Band 12	A	10	24.96	Left Tilt	0	1	24	1:1	0.076	36.6	
707.5	23095	LTE Band 12	A	10	24.96	Right Cheek	0	1	24	1:1	0.118	33.8	
707.5	23095	LTE Band 12	A	10	24.96	Right Tilt	0	1	24	1:1	0.058	35.7	
707.5	23095	LTE Band 12	E	10	18.62	Left Cheek	0	1	24	1:1	0.096	28.8	25.1
707.5	23095	LTE Band 12	E	10	18.62	Left Tilt	0	1	24	1:1	0.046	32.0	
707.5	23095	LTE Band 12	E	10	18.62	Right Cheek	0	1	24	1:1	0.224	25.1	
707.5	23095	LTE Band 12	E	10	18.62	Right Tilt	0	1	24	1:1	0.074	29.9	
782	23230	LTE Band 13	A	10	25.03	Left Cheek	0	1	24	1:1	0.175	32.6	30.7
782	23230	LTE Band 13	A	10	25.03	Left Tilt	0	1	24	1:1	0.140	33.6	
782	23230	LTE Band 13	A	10	25.03	Right Cheek	0	1	24	1:1	0.269	30.7	
782	23230	LTE Band 13	A	10	25.03	Right Tilt	0	1	24	1:1	0.137	33.7	
782	23230	LTE Band 13	E	10	17.95	Left Cheek	0	1	24	1:1	0.159	25.9	22.6
782	23230	LTE Band 13	E	10	17.95	Left Tilt	0	1	24	1:1	0.077	29.1	
782	23230	LTE Band 13	E	10	17.95	Right Cheek	0	1	24	1:1	0.343	22.6	
782	23230	LTE Band 13	E	10	17.95	Right Tilt	0	1	24	1:1	0.132	26.7	
1860	26140	LTE Band 25	A	20	24.65	Left Cheek	0	1	99	1:1	0.118	33.9	33.9
1860	26140	LTE Band 25	A	20	24.65	Left Tilt	0	1	99	1:1	0.050	37.7	
1860	26140	LTE Band 25	A	20	24.65	Right Cheek	0	1	99	1:1	0.085	35.4	
1860	26140	LTE Band 25	A	20	24.65	Right Tilt	0	1	99	1:1	0.040	38.6	
1860	26140	LTE Band 25	E	20	17.93	Left Cheek	0	1	49	1:1	0.173	25.5	25.5
1860	26140	LTE Band 25	E	20	17.93	Left Tilt	0	1	49	1:1	0.050	30.9	
1860	26140	LTE Band 25	E	20	17.93	Right Cheek	0	1	49	1:1	0.030	33.2	
1860	26140	LTE Band 25	E	20	17.93	Right Tilt	0	1	49	1:1	0.020	34.9	
831.5	26865	LTE Band 26	B	10	24.24	Left Cheek	0	1	74	1:1	0.151	32.5	29.8
831.5	26865	LTE Band 26	B	10	24.24	Left Tilt	0	1	74	1:1	0.116	33.6	
831.5	26865	LTE Band 26	B	10	24.24	Right Cheek	0	1	74	1:1	0.281	29.8	
831.5	26865	LTE Band 26	B	10	24.24	Right Tilt	0	1	74	1:1	0.129	33.1	
831.5	26865	LTE Band 26	I	10	18.99	Left Cheek	0	1	74	1:1	0.144	27.4	23.8
831.5	26865	LTE Band 26	I	10	18.99	Left Tilt	0	1	74	1:1	0.054	31.7	
831.5	26865	LTE Band 26	I	10	18.99	Right Cheek	0	1	74	1:1	0.329	23.8	
831.5	26865	LTE Band 26	I	10	18.99	Right Tilt	0	1	74	1:1	0.101	28.9	

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.			(dBm)	(dBm)		(dB)				(W/kg)	(dBm)	(dBm)
2 506	39750	LTE Band 41(PC3)	B	20	21.96	Left Cheek	0	1	99	1:1	0.009	42.4	39.2
2 506	39750	LTE Band 41(PC3)	B	20	21.96	Left Tilt	0	1	99	1:1	0.005	45.0	
2 506	39750	LTE Band 41(PC3)	B	20	21.96	Right Cheek	0	1	99	1:1	0.019	39.2	
2 506	39750	LTE Band 41(PC3)	B	20	21.96	Right Tilt	0	1	99	1:1	0.000	-	
2 549.5	40185	LTE Band 41(PC2)	B	20	21.20	Right Cheek	0	1	0	1:1	0.020	38.2	38.2
2 506	39750	LTE Band 41(PC3)	I	20	15.45	Left Cheek	0	1	0	1:1	0.166	23.3	23.3
2 506	39750	LTE Band 41(PC3)	I	20	15.45	Left Tilt	0	1	0	1:1	0.033	30.3	
2 506	39750	LTE Band 41(PC3)	I	20	15.45	Right Cheek	0	1	0	1:1	0.037	29.8	
2 506	39750	LTE Band 41(PC3)	I	20	15.45	Right Tilt	0	1	0	1:1	0.006	37.7	
2 506	39750	LTE Band 41(PC2)	I	20	17.40	Left Cheek	0	1	0	1:1	0.232	23.7	23.7
1 745	132322	LTE Band 66	B	20	24.41	Left Cheek	0	1	49	1:1	0.042	38.2	36.7
1 745	132322	LTE Band 66	B	20	24.41	Left Tilt	0	1	49	1:1	0.017	42.1	
1 745	132322	LTE Band 66	B	20	24.41	Right Cheek	0	1	49	1:1	0.059	36.7	
1 745	132322	LTE Band 66	B	20	24.41	Right Tilt	0	1	49	1:1	0.034	39.1	
1 770	132572	LTE Band 66	I	20	18.46	Left Cheek	0	1	49	1:1	0.056	31.0	31.0
1 770	132572	LTE Band 66	I	20	18.46	Left Tilt	0	1	49	1:1	0.026	34.3	
1 770	132572	LTE Band 66	I	20	18.46	Right Cheek	0	1	49	1:1	0.043	32.1	
1 770	132572	LTE Band 66	I	20	18.46	Right Tilt	0	1	49	1:1	0.034	33.1	

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)
836.5	167300	NR Band n5	A	20	25.91	Left Cheek	DFT-s-OFDM QPSK	0	1	104	1:1	0.127	34.9	31.9
836.5	167300	NR Band n5	A	20	25.91	Left Tilt	DFT-s-OFDM QPSK	0	1	104	1:1	0.079	36.9	
836.5	167300	NR Band n5	A	20	25.91	Right Cheek	DFT-s-OFDM QPSK	0	1	104	1:1	0.250	31.9	
836.5	167300	NR Band n5	A	20	25.91	Right Tilt	DFT-s-OFDM QPSK	0	1	104	1:1	0.095	36.1	
836.5	167300	NR Band n5	E	20	19.25	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.153	27.4	24.5
836.5	167300	NR Band n5	E	20	19.25	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.055	31.8	
836.5	167300	NR Band n5	E	20	19.25	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.300	24.5	
836.5	167300	NR Band n5	E	20	19.25	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.101	29.2	
1 882.5	376500	NR Band n25	B	40	25.11	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.084	35.9	35.9
1 882.5	376500	NR Band n25	B	40	25.11	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.038	39.3	
1 882.5	376500	NR Band n25	B	40	25.11	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.063	37.1	
1 882.5	376500	NR Band n25	B	40	25.11	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.038	39.3	
1 882.5	376500	NR Band n25	I	40	17.90	Left Cheek	DFT-s-OFDM QPSK	0	1	214	1:1	0.235	24.2	24.2
1 882.5	376500	NR Band n25	I	40	17.90	Left Tilt	DFT-s-OFDM QPSK	0	1	214	1:1	0.046	31.3	
1 882.5	376500	NR Band n25	I	40	17.90	Right Cheek	DFT-s-OFDM QPSK	0	1	214	1:1	0.060	30.1	
1 882.5	376500	NR Band n25	I	40	17.90	Right Tilt	DFT-s-OFDM QPSK	0	1	214	1:1	0.030	33.1	
2 592.99	518598	NR Band n41(PC3)	B	100	24.45	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.014	43.0	43.0
2 592.99	518598	NR Band n41(PC3)	B	100	24.45	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.008	45.4	
2 592.99	518598	NR Band n41(PC3)	B	100	24.45	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.011	44.0	
2 592.99	518598	NR Band n41(PC3)	B	100	24.45	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.003	49.7	
2 592.99	518598	NR Band n41(SRS1)	I	100	17.49	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.371	21.8	21.8
2 592.99	518598	NR Band n41(SRS1)	I	100	17.49	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.123	26.6	
2 592.99	518598	NR Band n41(SRS1)	I	100	17.49	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.186	24.8	
2 592.99	518598	NR Band n41(SRS1)	I	100	17.49	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.038	31.7	
2 592.99	518598	NR Band n41(SRS2)	C	100	23.01	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.089	33.5	33.5
2 592.99	518598	NR Band n41(SRS2)	C	100	23.01	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.003	48.2	
2 592.99	518598	NR Band n41(SRS2)	C	100	23.01	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.009	43.5	
2 592.99	518598	NR Band n41(SRS2)	C	100	23.01	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.000	-	
2 592.99	518598	NR Band n41(SRS3)	G	100	17.60	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.134	26.3	23.2
2 592.99	518598	NR Band n41(SRS3)	G	100	17.60	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.165	25.4	
2 592.99	518598	NR Band n41(SRS3)	G	100	17.60	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.271	23.3	
2 592.99	518598	NR Band n41(SRS3)	G	100	17.60	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.276	23.2	
2 592.99	518598	NR Band n41(PC3)	I	100	15.76	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.697	17.3	17.3
2 592.99	518598	NR Band n41(PC3)	I	100	15.76	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.092	26.1	
2 592.99	518598	NR Band n41(PC3)	I	100	15.76	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.168	23.5	
2 592.99	518598	NR Band n41(PC3)	I	100	15.76	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.037	30.1	

MEASUREMENT RESULTS														
Frequency		Mode	Ant.	Band width	Frame Averaged Conducted Power	Test Configurations		MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimur Plimit
Mhz	Ch.			(dBm)	(dBm)			(dB)				(W/kg)	(dBm)	(dBm)
2 592.99	518598	NR Band n41(SRS1)	B	100	14.01	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.000	-	41.0
2 592.99	518598	NR Band n41(SRS1)	B	100	14.01	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.000	-	
2 592.99	518598	NR Band n41(SRS1)	B	100	14.01	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.002	41.0	
2 592.99	518598	NR Band n41(SRS1)	B	100	14.01	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.000	-	
1 745	349000	NR Band n66	B	40	25.37	Left Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.017	43.1	39.7
1 745	349000	NR Band n66	B	40	25.37	Left Tilt	DFT-s-OFDM QPSK	0	1	108	1:1	0.017	43.1	
1 745	349000	NR Band n66	B	40	25.37	Right Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.037	39.7	
1 745	349000	NR Band n66	B	40	25.37	Right Tilt	DFT-s-OFDM QPSK	0	1	108	1:1	0.015	43.6	
1 745	349000	NR Band n66	I	40	18.49	Left Cheek	DFT-s-OFDM QPSK	0	1	214	1:1	0.241	24.7	24.7
1 745	349000	NR Band n66	I	40	18.49	Left Tilt	DFT-s-OFDM QPSK	0	1	214	1:1	0.052	31.3	
1 745	349000	NR Band n66	I	40	18.49	Right Cheek	DFT-s-OFDM QPSK	0	1	214	1:1	0.079	29.5	
1 745	349000	NR Band n66	I	40	18.49	Right Tilt	DFT-s-OFDM QPSK	0	1	214	1:1	0.029	33.9	
680.5	136100	NR Band n71	A	20	25.56	Left Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.153	33.7	33.7
680.5	136100	NR Band n71	A	20	25.56	Left Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.088	36.1	
680.5	136100	NR Band n71	A	20	25.56	Right Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.155	33.7	
680.5	136100	NR Band n71	A	20	25.56	Right Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.076	36.8	
680.5	136100	NR Band n71	E	20	18.60	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.181	26.0	21.8
680.5	136100	NR Band n71	E	20	18.60	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.074	29.9	
680.5	136100	NR Band n71	E	20	18.60	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.481	21.8	
680.5	136100	NR Band n71	E	20	18.60	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.137	27.2	

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)
3 750	650000	NR Band n77(PC2)	F	100	14.34	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.042	28.1	20.2
3 750	650000	NR Band n77(PC2)	F	100	14.34	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.044	27.9	
3 750	650000	NR Band n77(PC2)	F	100	14.34	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.261	20.2	
3 750	650000	NR Band n77(PC2)	F	100	14.34	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.233	20.7	
3 500.01	633334	NR Band n77 DoD(PC2)	F	100	14.48	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.241	20.7	20.7
3 750	650000	NR Band n77(SRS1)	I	100	14.49	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.150	22.7	22.7
3 750	650000	NR Band n77(SRS1)	I	100	14.49	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.010	34.5	
3 750	650000	NR Band n77(SRS1)	I	100	14.49	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.062	26.6	
3 750	650000	NR Band n77(SRS1)	I	100	14.49	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.002	41.5	
3 500.01	633334	NR Band n77 DoD(SRS1)	I	100	14.46	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.233	20.8	20.8
3 750	650000	NR Band n77(SRS2)	E	100	14.40	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.129	23.3	23.3
3 750	650000	NR Band n77(SRS2)	E	100	14.40	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.007	35.9	
3 750	650000	NR Band n77(SRS2)	E	100	14.40	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.108	24.1	
3 750	650000	NR Band n77(SRS2)	E	100	14.40	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.018	31.8	
3 500.01	633334	NR Band n77 DoD(SRS2)	E	100	14.05	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.050	27.1	27.1
3 750	650000	NR Band n77(SRS3)	C	100	14.46	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.022	31.0	31.0
3 750	650000	NR Band n77(SRS3)	C	100	14.46	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.002	41.4	
3 750	650000	NR Band n77(SRS3)	C	100	14.46	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.000	-	
3 750	650000	NR Band n77(SRS3)	C	100	14.46	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.000	-	
3 500.01	633334	NR Band n77 DoD(SRS3)	C	100	13.94	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.019	31.2	31.2

Table A-4 DSI = 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.	Scaling	Plimit	Minimum Plimit
MHz	Ch.				(Mbps)	Conducted Power				SAR(1g)	Factor	(dBm)	(dBm)
2 462	11	802.11b	20	G	1	14.22	Left Cheek	WIFI1	98.8	0.125	1.011	23.3	19.8
2 462	11	802.11b	20	G	1	14.22	Left Tilt	WIFI1	98.8	0.217	1.011	20.9	
2 462	11	802.11b	20	G	1	14.22	Right Cheek	WIFI1	98.8	0.279	1.011	19.8	
2 462	11	802.11b	20	G	1	14.22	Right Tilt	WIFI1	98.8	0.269	1.011	19.9	
2 462	11	802.11b	20	H	1	13.51	Left Cheek	WIFI2	98.8	0.203	1.011	20.4	20.4
2 462	11	802.11b	20	H	1	13.51	Left Tilt	WIFI2	98.8	0.156	1.011	21.6	
2 462	11	802.11b	20	H	1	13.51	Right Cheek	WIFI2	98.8	0.059	1.011	25.8	
2 462	11	802.11b	20	H	1	13.51	Right Tilt	WIFI2	98.8	0.061	1.011	25.7	
2 462	11	802.11b	20	G+H	1	13.51	Left Cheek	MIMO	98.8	0.336	1.011	18.2	16.8
2 462	11	802.11b	20	G+H	1	13.51	Left Tilt	MIMO	98.8	0.466	1.011	16.8	
2 462	11	802.11b	20	G+H	1	13.51	Right Cheek	MIMO	98.8	0.319	1.011	18.5	
2 462	11	802.11b	20	G+H	1	13.51	Right Tilt	MIMO	98.8	0.430	1.011	17.2	
5 290	58	802.11ac	80	F	MCS0	11.30	Left Cheek	WIFI1	85.9	0.065	1.163	23.2	18.3
5 290	58	802.11ac	80	F	MCS0	11.30	Left Tilt	WIFI1	85.9	0.055	1.163	23.9	
5 290	58	802.11ac	80	F	MCS0	11.30	Right Cheek	WIFI1	85.9	0.183	1.163	18.7	
5 290	58	802.11ac	80	F	MCS0	11.30	Right Tilt	WIFI1	85.9	0.198	1.163	18.3	
5 610	122	802.11ac	80	F	MCS0	11.36	Left Cheek	WIFI1	85.9	0.091	1.163	21.8	18.1
5 610	122	802.11ac	80	F	MCS0	11.36	Left Tilt	WIFI1	85.9	0.084	1.163	22.1	
5 610	122	802.11ac	80	F	MCS0	11.36	Right Cheek	WIFI1	85.9	0.198	1.163	18.4	
5 610	122	802.11ac	80	F	MCS0	11.36	Right Tilt	WIFI1	85.9	0.212	1.163	18.1	
5 775	155	802.11ac	80	F	MCS0	11.36	Left Cheek	WIFI1	85.9	0.051	1.163	24.3	22.6
5 775	155	802.11ac	80	F	MCS0	11.36	Left Tilt	WIFI1	85.9	0.030	1.163	26.6	
5 775	155	802.11ac	80	F	MCS0	11.36	Right Cheek	WIFI1	85.9	0.076	1.163	22.6	
5 775	155	802.11ac	80	F	MCS0	11.36	Right Tilt	WIFI1	85.9	0.072	1.163	22.8	
5 855	171	802.11ac	80	F	MCS0	11.42	Left Cheek	WIFI1	85.9	0.035	1.163	26.0	20.4
5 855	171	802.11ac	80	F	MCS0	11.42	Left Tilt	WIFI1	85.9	0.024	1.163	27.6	
5 855	171	802.11ac	80	F	MCS0	11.42	Right Cheek	WIFI1	85.9	0.127	1.163	20.4	
5 855	171	802.11ac	80	F	MCS0	11.42	Right Tilt	WIFI1	85.9	0.058	1.163	23.8	
5 290	58	802.11ac	80	H	MCS0	10.81	Left Cheek	WIFI2	85.9	0.144	1.163	19.3	19.3
5 290	58	802.11ac	80	H	MCS0	10.81	Left Tilt	WIFI2	85.9	0.138	1.163	19.5	
5 290	58	802.11ac	80	H	MCS0	10.81	Right Cheek	WIFI2	85.9	0.095	1.163	21.1	
5 290	58	802.11ac	80	H	MCS0	10.81	Right Tilt	WIFI2	85.9	0.073	1.163	22.2	
5 610	122	802.11ac	80	H	MCS0	10.91	Left Cheek	WIFI2	85.9	0.156	1.163	19.0	18.8
5 610	122	802.11ac	80	H	MCS0	10.91	Left Tilt	WIFI2	85.9	0.164	1.163	18.8	
5 610	122	802.11ac	80	H	MCS0	10.91	Right Cheek	WIFI2	85.9	0.110	1.163	20.5	
5 610	122	802.11ac	80	H	MCS0	10.91	Right Tilt	WIFI2	85.9	0.088	1.163	21.5	
5 775	155	802.11ac	80	H	MCS0	10.69	Left Cheek	WIFI2	85.9	0.082	1.163	21.6	19.4
5 775	155	802.11ac	80	H	MCS0	10.69	Left Tilt	WIFI2	85.9	0.134	1.163	19.4	
5 775	155	802.11ac	80	H	MCS0	10.69	Right Cheek	WIFI2	85.9	0.053	1.163	23.4	
5 775	155	802.11ac	80	H	MCS0	10.69	Right Tilt	WIFI2	85.9	0.032	1.163	25.6	

MEASUREMENT RESULTS													
Frequency		Mode/ Band	Band width	Ant. No.	Data Rate	Frame Averaged	Test Position	Ant. Config.	Duty Cycle	Meas.	Scaling	Plimit	Minimum Plimit
MHz	Ch.				(Mbps)	Conducted Power				(W/kg)	(Duty)		
			(MHz)			(dBm)						(dBm)	(dBm)
5 855	171	802.11ac	80	H	MCS0	11.13	Left Cheek	WIFI2	85.9	0.115	1.163	20.5	20.5
5 855	171	802.11ac	80	H	MCS0	11.13	Left Tilt	WIFI2	85.9	0.099	1.163	21.2	
5 855	171	802.11ac	80	H	MCS0	11.13	Right Cheek	WIFI2	85.9	0.037	1.163	25.4	
5 855	171	802.11ac	80	H	MCS0	11.13	Right Tilt	WIFI2	85.9	0.033	1.163	25.9	
5 290	58	802.11ac	80	F+H	MCS0	10.87	Left Cheek	MIMO	85.9	0.111	1.163	20.4	18.7
5 290	58	802.11ac	80	F+H	MCS0	10.87	Left Tilt	MIMO	85.9	0.144	1.163	19.3	
5 290	58	802.11ac	80	F+H	MCS0	10.87	Right Cheek	MIMO	85.9	0.164	1.163	18.7	
5 290	58	802.11ac	80	F+H	MCS0	10.87	Right Tilt	MIMO	85.9	0.081	1.163	21.8	
5 610	122	802.11ac	80	F+H	MCS0	10.91	Left Cheek	MIMO	85.9	0.101	1.163	20.9	18.5
5 610	122	802.11ac	80	F+H	MCS0	10.91	Left Tilt	MIMO	85.9	0.093	1.163	21.2	
5 610	122	802.11ac	80	F+H	MCS0	10.91	Right Cheek	MIMO	85.9	0.175	1.163	18.5	
5 610	122	802.11ac	80	F+H	MCS0	10.91	Right Tilt	MIMO	85.9	0.111	1.163	20.5	
5 775	155	802.11ac	80	F+H	MCS0	10.69	Left Cheek	MIMO	85.9	0.049	1.163	23.8	20.4
5 775	155	802.11ac	80	F+H	MCS0	10.69	Left Tilt	MIMO	85.9	0.068	1.163	22.4	
5 775	155	802.11ac	80	F+H	MCS0	10.69	Right Cheek	MIMO	85.9	0.107	1.163	20.4	
5 775	155	802.11ac	80	F+H	MCS0	10.69	Right Tilt	MIMO	85.9	0.059	1.163	23.0	
5 855	171	802.11ac	80	F+H	MCS0	11.13	Left Cheek	MIMO	85.9	0.127	1.163	20.1	19.4
5 855	171	802.11ac	80	F+H	MCS0	11.13	Left Tilt	MIMO	85.9	0.060	1.163	23.3	
5 855	171	802.11ac	80	F+H	MCS0	11.13	Right Cheek	MIMO	85.9	0.148	1.163	19.4	
5 855	171	802.11ac	80	F+H	MCS0	11.13	Right Tilt	MIMO	85.9	0.049	1.163	24.2	
6 165	43	802.11ax	40	F	MCS0	10.90	Left Cheek	WIFI1	99.6	0.02	1.004	27.9	20.3
6 165	43	802.11ax	40	F	MCS0	10.90	Left Tilt	WIFI1	99.6	0.021	1.004	27.7	
6 165	43	802.11ax	40	F	MCS0	10.90	Right Cheek	WIFI1	99.6	0.114	1.004	20.3	
6 165	43	802.11ax	40	F	MCS0	10.90	Right Tilt	WIFI1	99.6	0.044	1.004	24.4	
6 525	115	802.11ax	40	H	MCS0	10.09	Left Cheek	WIFI2	99.6	0.060	1.004	22.3	22.3
6 525	115	802.11ax	40	H	MCS0	10.09	Left Tilt	WIFI2	99.6	0.000	1.004	-	
6 525	115	802.11ax	40	H	MCS0	10.09	Right Cheek	WIFI2	99.6	0.008	1.004	31.0	
6 525	115	802.11ax	40	H	MCS0	10.09	Right Tilt	WIFI2	99.6	0.030	1.004	25.3	
6 165	43	802.11ax	40	F+H	MCS0	10.09	Left Cheek	MIMO	99.6	0.080	1.004	21.0	19.2
6 165	43	802.11ax	40	F+H	MCS0	10.09	Left Tilt	MIMO	99.6	0.021	1.004	26.8	
6 165	43	802.11ax	40	F+H	MCS0	10.09	Right Cheek	MIMO	99.6	0.122	1.004	19.2	
6 165	43	802.11ax	40	F+H	MCS0	10.09	Right Tilt	MIMO	99.6	0.074	1.004	21.4	

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)
2 480	78	DH5	G	14.83	Left Cheek	Bluetooth1	0.059	1.013	27.1	23.5
2 480	78	DH5	G	14.83	Left Tilt	Bluetooth1	0.08	1.013	25.8	
2 480	78	DH5	G	14.83	Right Cheek	Bluetooth1	0.136	1.013	23.5	
2 480	78	DH5	G	14.83	Right Tilt	Bluetooth1	0.107	1.013	24.5	
2 480	78	DH5	H	13.85	Left Cheek	Bluetooth2	0.1	1.013	23.8	20.0
2 480	78	DH5	H	13.85	Left Tilt	Bluetooth2	0.081	1.013	24.8	
2 480	78	DH5	H	13.85	Right Cheek	Bluetooth2	0.035	1.013	28.4	
2 480	78	DH5	H	13.85	Right Tilt	Bluetooth2	0.24	1.013	20.0	
2 480	78	DH5	G+H	12.34	Left Cheek	Dual	0.088	1.013	22.9	21.2
2 480	78	DH5	G+H	12.34	Left Tilt	Dual	0.107	1.013	22.0	
2 480	78	DH5	G+H	12.34	Right Cheek	Dual	0.129	1.013	21.2	
2 480	78	DH5	G+H	12.34	Right Tilt	Dual	0.119	1.013	21.6	

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	Voice	Open	A	20.81	Rear	5	1:8.3	0.607	23.0	23.0
836.6	190	GSM 850	Voice	Open	A	20.81	Front	5	1:8.3	0.305	26.0	
836.6	190	GSM 850	Voice	Close	A	20.81	Rear	5	1:8.3	0.355	25.3	
836.6	190	GSM 850	Voice	Close	A	20.81	Front	5	1:8.3	0.099	30.9	
836.6	190	GSM 850	Voice	Open	E	19.84	Rear	5	1:8.3	0.246	25.9	25.4
836.6	190	GSM 850	Voice	Open	E	19.84	Front	5	1:8.3	0.281	25.4	
836.6	190	GSM 850	Voice	Close	E	19.84	Rear	5	1:8.3	0.007	41.4	
836.6	190	GSM 850	Voice	Close	E	19.84	Front	5	1:8.3	0.029	35.2	
1 880	661	GSM 1900	Voice	Open	A	18.47	Rear	5	1:8.3	0.528	21.2	21.2
1 880	661	GSM 1900	Voice	Open	A	18.47	Front	5	1:8.3	0.226	24.9	
1 880	661	GSM 1900	Voice	Close	A	18.47	Rear	5	1:8.3	0.433	22.1	
1 880	661	GSM 1900	Voice	Close	A	18.47	Front	5	1:8.3	0.079	29.5	

Note

1. This device has same power levels RSI 0,2 and RSI 3,4. And the test spacing is also same. So, the Body-Worn test results of this model are same as Hotspot test except GSM Hotspot tests. (See table A-9 to A-12)

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.											
836.5	190	GSM 850	GPRS4Tx	Open	A	21.15	Rear	5	1:2.07	0.377	25.4	25.4
836.5	190	GSM 850	GPRS4Tx	Open	A	21.15	Front	5	1:2.07	0.260	27.0	
836.5	190	GSM 850	GPRS4Tx	Open	A	21.15	Right	5	1:2.07	0.345	25.8	
836.5	190	GSM 850	GPRS4Tx	Open	A	21.15	Bottom	5	1:2.07	0.374	25.4	
836.5	190	GSM 850	GPRS4Tx	Close	A	21.15	Rear	5	1:2.07	0.273	26.8	
836.5	190	GSM 850	GPRS4Tx	Close	A	21.15	Front	5	1:2.07	0.100	31.2	
836.5	190	GSM 850	GPRS4Tx	Close	A	21.15	Right	5	1:2.07	0.345	25.8	
836.5	190	GSM 850	GPRS4Tx	Close	A	21.15	Bottom	5	1:2.07	0.374	25.4	
836.5	190	GSM 850	GPRS4Tx	Open	E	19.65	Rear	5	1:2.07	0.235	25.9	24.6
836.5	190	GSM 850	GPRS4Tx	Open	E	19.65	Front	5	1:2.07	0.254	25.6	
836.5	190	GSM 850	GPRS4Tx	Open	E	19.65	Left	5	1:2.07	0.321	24.6	
836.5	190	GSM 850	GPRS4Tx	Open	E	19.65	Top	5	1:2.07	0.022	36.2	
836.5	190	GSM 850	GPRS4Tx	Close	E	19.65	Rear	5	1:2.07	0.028	35.2	
836.5	190	GSM 850	GPRS4Tx	Close	E	19.65	Front	5	1:2.07	0.025	35.7	
836.5	190	GSM 850	GPRS4Tx	Close	E	19.65	Left	5	1:2.07	0.156	27.7	
836.5	190	GSM 850	GPRS4Tx	Close	E	19.65	Top	5	1:2.07	0.006	41.9	
836.5	190	GSM 850	GPRS4Tx	Close	E	19.65	Bottom	5	1:2.07	0.011	39.2	
1 850	512	GSM 1900	GPRS4Tx	Open	B	18.59	Rear	5	1:2.07	0.478	21.8	20.9
1 850	512	GSM 1900	GPRS4Tx	Open	B	18.59	Front	5	1:2.07	0.206	25.5	
1 850	512	GSM 1900	GPRS4Tx	Open	B	18.59	Left	5	1:2.07	0.161	26.5	
1 850	512	GSM 1900	GPRS4Tx	Open	B	18.59	Bottom	5	1:2.07	0.589	20.9	
1 850	512	GSM 1900	GPRS4Tx	Close	B	18.59	Rear	5	1:2.07	0.314	23.6	
1 850	512	GSM 1900	GPRS4Tx	Close	B	18.59	Front	5	1:2.07	0.049	31.7	
1 850	512	GSM 1900	GPRS4Tx	Close	B	18.59	Left	5	1:2.07	0.084	29.3	
1 850	512	GSM 1900	GPRS4Tx	Close	B	18.59	Bottom	5	1:2.07	0.331	23.4	

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.											
836.5	4183	UMTS Band 5	RMC	Open	A	22.73	Rear	5	1:1	0.787	23.8	23.8
836.5	4183	UMTS Band 5	RMC	Open	A	22.73	Front	5	1:1	0.471	26.0	
836.5	4183	UMTS Band 5	RMC	Open	A	22.73	Right	5	1:1	0.570	25.2	
836.5	4183	UMTS Band 5	RMC	Open	A	22.73	Bottom	5	1:1	0.616	24.8	
836.5	4183	UMTS Band 5	RMC	Close	A	22.73	Rear	5	1:1	0.517	25.6	
836.5	4183	UMTS Band 5	RMC	Close	A	22.73	Front	5	1:1	0.116	32.1	
836.5	4183	UMTS Band 5	RMC	Close	A	22.73	Right	5	1:1	0.462	26.1	
836.5	4183	UMTS Band 5	RMC	Close	A	22.73	Bottom	5	1:1	0.405	26.7	
836.5	4183	UMTS Band 5	RMC	Open	E	18.87	Rear	5	1:1	0.193	26.0	24.1
836.5	4183	UMTS Band 5	RMC	Open	E	18.87	Front	5	1:1	0.234	25.2	
836.5	4183	UMTS Band 5	RMC	Open	E	18.87	Left	5	1:1	0.299	24.1	
836.5	4183	UMTS Band 5	RMC	Open	E	18.87	Top	5	1:1	0.048	32.1	
836.5	4183	UMTS Band 5	RMC	Close	E	18.87	Rear	5	1:1	0.040	32.8	
836.5	4183	UMTS Band 5	RMC	Close	E	18.87	Front	5	1:1	0.119	28.1	
836.5	4183	UMTS Band 5	RMC	Close	E	18.87	Left	5	1:1	0.165	26.7	
836.5	4183	UMTS Band 5	RMC	Close	E	18.87	Bottom	5	1:1	0.026	34.7	
1 732.4	1412	UMTS Band 4	RMC	Open	B	18.54	Rear	5	1:1	0.366	22.9	22.1
1 732.4	1412	UMTS Band 4	RMC	Open	B	18.54	Front	5	1:1	0.178	26.0	
1 732.4	1412	UMTS Band 4	RMC	Open	B	18.54	Left	5	1:1	0.161	26.5	
1 732.4	1412	UMTS Band 4	RMC	Open	B	18.54	Bottom	5	1:1	0.440	22.1	
1 732.4	1412	UMTS Band 4	RMC	Close	B	18.54	Rear	5	1:1	0.387	22.7	
1 732.4	1412	UMTS Band 4	RMC	Close	B	18.54	Front	5	1:1	0.026	34.4	
1 732.4	1412	UMTS Band 4	RMC	Close	B	18.54	Left	5	1:1	0.098	28.6	
1 732.4	1412	UMTS Band 4	RMC	Close	B	18.54	Bottom	5	1:1	0.403	22.5	
1 732.4	1412	UMTS Band 4	RMC	Open	I	18.97	Rear	5	1:1	0.292	24.3	23.0
1 732.4	1412	UMTS Band 4	RMC	Open	I	18.97	Front	5	1:1	0.204	25.9	
1 732.4	1412	UMTS Band 4	RMC	Open	I	18.97	Left	5	1:1	0.395	23.0	
1 732.4	1412	UMTS Band 4	RMC	Open	I	18.97	Bottom	5	1:1	0.028	34.5	
1 732.4	1412	UMTS Band 4	RMC	Close	I	18.97	Rear	5	1:1	0.026	34.8	
1 732.4	1412	UMTS Band 4	RMC	Close	I	18.97	Front	5	1:1	0.072	30.4	
1 732.4	1412	UMTS Band 4	RMC	Close	I	18.97	Left	5	1:1	0.219	25.6	
1 732.4	1412	UMTS Band 4	RMC	Close	I	18.97	Top	5	1:1	0.003	44.2	
1 732.4	1412	UMTS Band 4	RMC	Close	I	18.97	Bottom	5	1:1	0.006	41.2	

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)
1 880	9400	UMTS Band 2	RMC	Open	B	18.14	Rear	5	1:1	0.321	23.1	21.4
1 880	9400	UMTS Band 2	RMC	Open	B	18.14	Front	5	1:1	0.284	23.6	
1 880	9400	UMTS Band 2	RMC	Open	B	18.14	Left	5	1:1	0.136	26.8	
1 880	9400	UMTS Band 2	RMC	Open	B	18.14	Bottom	5	1:1	0.467	21.4	
1 880	9400	UMTS Band 2	RMC	Close	B	18.14	Rear	5	1:1	0.256	24.1	
1 880	9400	UMTS Band 2	RMC	Close	B	18.14	Front	5	1:1	0.028	33.7	
1 880	9400	UMTS Band 2	RMC	Close	B	18.14	Left	5	1:1	0.071	29.6	
1 880	9400	UMTS Band 2	RMC	Close	B	18.14	Bottom	5	1:1	0.439	21.7	
1 880	9400	UMTS Band 2	RMC	Open	I	18.44	Rear	5	1:1	0.165	26.3	22.0
1 880	9400	UMTS Band 2	RMC	Open	I	18.44	Front	5	1:1	0.154	26.6	
1 880	9400	UMTS Band 2	RMC	Open	I	18.44	Right	5	1:1	0.441	22.0	
1 880	9400	UMTS Band 2	RMC	Open	I	18.44	Top	5	1:1	0.036	22.9	
1 880	9400	UMTS Band 2	RMC	Open	I	18.44	Rear	5	1:1	0.021	35.2	
1 880	9400	UMTS Band 2	RMC	Close	I	18.44	Front	5	1:1	0.245	24.5	
1 880	9400	UMTS Band 2	RMC	Close	I	18.44	Right	5	1:1	0.280	24.0	
1 880	9400	UMTS Band 2	RMC	Close	I	18.44	Top	5	1:1	0.026	37.0	
1 880	9400	UMTS Band 2	RMC	Close	I	18.44	Bottom	5	1:1	0.014	24.3	

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)
836.5	20525	LTE Band 5	Open	A	10	22.52	Rear	5	0	1	49	1:1	0.816	23.4	23.4
836.5	20525	LTE Band 5	Open	A	10	22.52	Front	5	0	1	49	1:1	0.485	25.7	
836.5	20525	LTE Band 5	Open	A	10	22.52	Right	5	0	1	49	1:1	0.572	24.9	
836.5	20525	LTE Band 5	Open	A	10	22.52	Bottom	5	0	1	49	1:1	0.661	24.3	
836.5	20525	LTE Band 5	Close	A	10	22.52	Rear	5	0	1	49	1:1	0.731	23.9	
836.5	20525	LTE Band 5	Close	A	10	22.52	Front	5	0	1	49	1:1	0.144	30.9	
836.5	20525	LTE Band 5	Close	A	10	22.52	Right	5	0	1	49	1:1	0.508	25.5	
836.5	20525	LTE Band 5	Close	A	10	22.52	Bottom	5	0	1	49	1:1	0.471	25.8	
836.5	20525	LTE Band 5	Open	E	10	19.36	Rear	5	0	1	24	1:1	0.227	25.8	25.2
836.5	20525	LTE Band 5	Open	E	10	19.36	Front	5	0	1	24	1:1	0.259	25.2	
836.5	20525	LTE Band 5	Open	E	10	19.36	Left	5	0	1	24	1:1	0.045	32.8	
836.5	20525	LTE Band 5	Open	E	10	19.36	Top	5	0	1	24	1:1	0.023	35.7	
836.5	20525	LTE Band 5	Close	E	10	19.36	Rear	5	0	1	24	1:1	0.053	32.1	
836.5	20525	LTE Band 5	Close	E	10	19.36	Front	5	0	1	24	1:1	0.160	27.3	
836.5	20525	LTE Band 5	Close	E	10	19.36	Left	5	0	1	24	1:1	0.148	27.7	
836.5	20525	LTE Band 5	Close	E	10	19.36	Top	5	0	1	24	1:1	0.007	40.9	
836.5	20525	LTE Band 5	Close	E	10	19.36	Bottom	5	0	1	24	1:1	0.012	38.6	26.5
707.5	23095	LTE Band 12	Open	A	10	23.55	Rear	5	0	1	24	1:1	0.479	26.7	
707.5	23095	LTE Band 12	Open	A	10	23.55	Front	5	0	1	24	1:1	0.339	28.2	
707.5	23095	LTE Band 12	Open	A	10	23.55	Right	5	0	1	24	1:1	0.363	28.0	
707.5	23095	LTE Band 12	Open	A	10	23.55	Bottom	5	0	1	24	1:1	0.384	27.7	
707.5	23095	LTE Band 12	Close	A	10	23.55	Rear	5	0	1	24	1:1	0.510	26.5	
707.5	23095	LTE Band 12	Close	A	10	23.55	Front	5	0	1	24	1:1	0.065	35.4	
707.5	23095	LTE Band 12	Close	A	10	23.55	Right	5	0	1	24	1:1	0.379	27.8	
707.5	23095	LTE Band 12	Close	A	10	23.55	Bottom	5	0	1	24	1:1	0.338	28.3	25.0
707.5	23095	LTE Band 12	Open	E	10	18.62	Rear	5	0	1	24	1:1	0.133	27.4	
707.5	23095	LTE Band 12	Open	E	10	18.62	Front	5	0	1	24	1:1	0.145	27.0	
707.5	23095	LTE Band 12	Open	E	10	18.62	Left	5	0	1	24	1:1	0.232	25.0	
707.5	23095	LTE Band 12	Open	E	10	18.62	Top	5	0	1	24	1:1	0.016	36.6	
707.5	23095	LTE Band 12	Close	E	10	18.62	Rear	5	0	1	24	1:1	0.044	32.2	
707.5	23095	LTE Band 12	Close	E	10	18.62	Front	5	0	1	24	1:1	0.130	27.5	
707.5	23095	LTE Band 12	Close	E	10	18.62	Left	5	0	1	24	1:1	0.100	28.6	
707.5	23095	LTE Band 12	Close	E	10	18.62	Top	5	0	1	24	1:1	0.003	43.8	
707.5	23095	LTE Band 12	Close	E	10	18.62	Bottom	5	0	1	24	1:1	0.007	40.2	

MEASUREMENT RESULTS

Frequency		Mode	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	Spacing (mm)	MPR (dB)	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimum Plimit
Mhz	Ch.				Mhz	(dBm)							(W/kg)	(dBm)	(dBm)
782	23230	LTE Band 13	Open	A	10	23.55	Rear	5	0	1	24	1:1	0.963	23.7	23.7
782	23230	LTE Band 13	Open	A	10	23.55	Front	5	0	1	24	1:1	0.694	25.1	
782	23230	LTE Band 13	Open	A	10	23.55	Right	5	0	1	24	1:1	0.652	25.4	
782	23230	LTE Band 13	Open	A	10	23.55	Bottom	5	0	1	24	1:1	0.862	24.2	
782	23230	LTE Band 13	Close	A	10	23.55	Rear	5	0	1	24	1:1	0.709	25.0	
782	23230	LTE Band 13	Close	A	10	23.55	Front	5	0	1	24	1:1	0.107	33.3	
782	23230	LTE Band 13	Close	A	10	23.55	Right	5	0	1	24	1:1	0.518	26.4	
782	23230	LTE Band 13	Close	A	10	23.55	Bottom	5	0	1	24	1:1	0.668	25.3	
782	23230	LTE Band 13	Open	E	10	17.95	Rear	5	0	1	24	1:1	0.191	25.1	23.1
782	23230	LTE Band 13	Open	E	10	17.95	Front	5	0	1	24	1:1	0.208	24.8	
782	23230	LTE Band 13	Open	E	10	17.95	Left	5	0	1	24	1:1	0.305	23.1	
782	23230	LTE Band 13	Open	E	10	17.95	Top	5	0	1	24	1:1	0.025	34.0	
782	23230	LTE Band 13	Close	E	10	17.95	Rear	5	0	1	24	1:1	0.051	30.9	
782	23230	LTE Band 13	Close	E	10	17.95	Front	5	0	1	24	1:1	0.145	26.3	
782	23230	LTE Band 13	Close	E	10	17.95	Left	5	0	1	24	1:1	0.165	25.8	
782	23230	LTE Band 13	Close	E	10	17.95	Top	5	0	1	24	1:1	0.003	43.2	
782	23230	LTE Band 13	Open	E	10	17.95	Bottom	5	0	1	24	1:1	0.010	37.9	
1860	26140	LTE Band 25	Open	B	20	19.04	Rear	5	0	1	99	1:1	0.700	20.6	20.6
1860	26140	LTE Band 25	Open	B	20	19.04	Front	5	0	1	99	1:1	0.242	25.2	
1860	26140	LTE Band 25	Open	B	20	19.04	Left	5	0	1	99	1:1	0.233	25.4	
1860	26140	LTE Band 25	Open	B	20	19.04	Bottom	5	0	1	99	1:1	0.688	20.7	
1860	26140	LTE Band 25	Close	B	20	19.04	Rear	5	0	1	99	1:1	0.637	21.0	
1860	26140	LTE Band 25	Close	B	20	19.04	Front	5	0	1	99	1:1	0.067	30.8	
1860	26140	LTE Band 25	Close	B	20	19.04	Left	5	0	1	99	1:1	0.179	26.5	
1860	26140	LTE Band 25	Close	B	20	19.04	Bottom	5	0	1	99	1:1	0.597	21.3	
1905	26590	LTE Band 25	Open	I	20	19.48	Rear	5	0	1	49	1:1	0.143	27.9	24.4
1905	26590	LTE Band 25	Open	I	20	19.48	Front	5	0	1	49	1:1	0.148	27.8	
1905	26590	LTE Band 25	Open	I	20	19.48	Right	5	0	1	49	1:1	0.320	24.4	
1905	26590	LTE Band 25	Open	I	20	19.48	Top	5	0	1	49	1:1	0.019	36.7	
1905	26590	LTE Band 25	Close	I	20	19.48	Rear	5	0	1	49	1:1	0.019	36.7	
1905	26590	LTE Band 25	Close	I	20	19.48	Front	5	0	1	49	1:1	0.216	26.1	
1905	26590	LTE Band 25	Close	I	20	19.48	Right	5	0	1	49	1:1	0.264	25.3	
1905	26590	LTE Band 25	Close	I	20	19.48	Top	5	0	1	49	1:1	0.000	-	
1905	26590	LTE Band 25	Close	I	20	19.48	Bottom	5	0	1	49	1:1	0.004	43.5	
831.5	26865	LTE Band 26	Open	A	15	22.52	Rear	5	0	1	74	1:1	0.852	23.2	23.2
831.5	26865	LTE Band 26	Open	A	15	22.52	Front	5	0	1	74	1:1	0.505	25.5	
831.5	26865	LTE Band 26	Open	A	15	22.52	Right	5	0	1	74	1:1	0.550	25.1	
831.5	26865	LTE Band 26	Open	A	15	22.52	Bottom	5	0	1	74	1:1	0.648	24.4	
831.5	26865	LTE Band 26	Close	A	15	22.52	Rear	5	0	1	74	1:1	0.717	24.0	
831.5	26865	LTE Band 26	Close	A	15	22.52	Front	5	0	1	74	1:1	0.138	31.1	
831.5	26865	LTE Band 26	Close	A	15	22.52	Right	5	0	1	74	1:1	0.487	25.6	
831.5	26865	LTE Band 26	Close	A	15	22.52	Bottom	5	0	1	74	1:1	0.477	25.7	

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)		
831.5	26865	LTE Band 26	Open	E	15	19.33	Rear	5	0	1	74	1:1	0.201	26.3	23.6
831.5	26865	LTE Band 26	Open	E	15	19.33	Front	5	0	1	74	1:1	0.374	23.6	
831.5	26865	LTE Band 26	Open	E	15	19.33	Left	5	0	1	74	1:1	0.045	32.8	
831.5	26865	LTE Band 26	Open	E	15	19.33	Top	5	0	1	74	1:1	0.023	35.7	
831.5	26865	LTE Band 26	Close	E	15	19.33	Rear	5	0	1	74	1:1	0.045	32.8	
831.5	26865	LTE Band 26	Close	E	15	19.33	Front	5	0	1	74	1:1	0.161	27.3	
831.5	26865	LTE Band 26	Close	E	15	19.33	Left	5	0	1	74	1:1	0.151	27.5	
831.5	26865	LTE Band 26	Close	E	15	19.33	Top	5	0	1	74	1:1	0.006	41.5	
831.5	26865	LTE Band 26	Close	E	15	19.33	Bottom	5	0	1	74	1:1	0.012	38.5	
2 549.5	40185	LTE Band 41(PC3)	Open	B	20	19.48	Rear	5	0	1	0	1:1.58	0.617	21.6	21.5
2 549.5	40185	LTE Band 41(PC3)	Open	B	20	19.48	Front	5	0	1	0	1:1.58	0.336	24.2	
2 549.5	40185	LTE Band 41(PC3)	Open	B	20	19.48	Left	5	0	1	0	1:1.58	0.184	26.8	
2 549.5	40185	LTE Band 41(PC3)	Open	B	20	19.48	Bottom	5	0	1	0	1:1.58	0.628	21.5	
2 549.5	40185	LTE Band 41(PC3)	Close	B	20	19.48	Rear	5	0	1	0	1:1.58	0.582	21.8	
2 549.5	40185	LTE Band 41(PC3)	Close	B	20	19.48	Front	5	0	1	0	1:1.58	0.036	33.9	
2 549.5	40185	LTE Band 41(PC3)	Close	B	20	19.48	Left	5	0	1	0	1:1.58	0.171	27.2	
2 549.5	40185	LTE Band 41(PC3)	Close	B	20	19.48	Bottom	5	0	1	0	1:1.58	0.511	22.4	
2 636.5	41055	LTE Band 41(PC2)	Open	B	20	17.30	Rear	5	0	1	0	1:2.31	0.724	18.7	18.7
2 636.5	41055	LTE Band 41(PC2)	Close	B	20	17.30	Bottom	5	0	1	0	1:2.31	0.594	19.6	
2 506	39750	LTE Band 41(PC3)	Open	I	20	18.21	Rear	5	0	1	0	1:1.58	0.151	26.4	19.2
2 506	39750	LTE Band 41(PC3)	Open	I	20	18.21	Front	5	0	1	0	1:1.58	0.117	27.5	
2 506	39750	LTE Band 41(PC3)	Open	I	20	18.21	Right	5	0	1	0	1:1.58	0.762	19.4	
2 506	39750	LTE Band 41(PC3)	Open	I	20	18.21	Top	5	0	1	0	1:1.58	0.105	28.0	
2 506	39750	LTE Band 41(PC3)	Close	I	20	18.21	Rear	5	0	1	0	1:1.58	0.143	26.7	
2 506	39750	LTE Band 41(PC3)	Close	I	20	18.21	Front	5	0	1	0	1:1.58	0.415	22.0	
2 506	39750	LTE Band 41(PC3)	Close	I	20	18.21	Right	5	0	1	0	1:1.58	0.802	19.2	
2 506	39750	LTE Band 41(PC3)	Close	I	20	18.21	Top	5	0	1	0	1:1.58	0.028	33.7	
2 506	39750	LTE Band 41(PC3)	Close	I	20	18.21	Bottom	5	0	1	0	1:1.58	0.114	27.6	
2 506	39750	LTE Band 41(PC2)	Open	I	20	18.10	Right	5	0	1	0	1:2.31	0.981	18.2	18.2
2 506	39750	LTE Band 41(PC2)	Close	I	20	18.10	Right	5	0	1	0	1:2.31	0.816	18.2	

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 (dBm)	Minimum Plimit (dBm)
MHz	Ch.				MHz	(dBm)			(dB)				(W/kg)		
1 745	132322	LTE Band 66	Open	B	20	18.71	Rear	5	0	1	49	1:1	0.667	20.5	20.3
1 745	132322	LTE Band 66	Open	B	20	18.71	Front	5	0	1	49	1:1	0.347	23.3	
1 745	132322	LTE Band 66	Open	B	20	18.71	Left	5	0	1	49	1:1	0.247	24.8	
1 745	132322	LTE Band 66	Open	B	20	18.71	Bottom	5	0	1	49	1:1	0.700	20.3	
1 745	132322	LTE Band 66	Close	B	20	18.71	Rear	5	0	1	49	1:1	0.615	20.8	
1 745	132322	LTE Band 66	Close	B	20	18.71	Front	5	0	1	49	1:1	0.074	30.0	
1 745	132322	LTE Band 66	Close	B	20	18.71	Left	5	0	1	49	1:1	0.156	26.8	
1 745	132322	LTE Band 66	Close	B	20	18.71	Bottom	5	0	1	49	1:1	0.629	20.7	
1 770	132572	LTE Band 66	Open	I	20	20.45	Rear	5	0	1	49	1:1	0.546	23.1	23.0
1 770	132572	LTE Band 66	Open	I	20	20.45	Front	5	0	1	49	1:1	0.391	24.5	
1 770	132572	LTE Band 66	Open	I	20	20.45	Right	5	0	1	49	1:1	0.558	23.0	
1 770	132572	LTE Band 66	Open	I	20	20.45	Top	5	0	1	49	1:1	0.047	33.7	
1 770	132572	LTE Band 66	Close	I	20	20.45	Rear	5	0	1	49	1:1	0.043	34.1	
1 770	132572	LTE Band 66	Close	I	20	20.45	Front	5	0	1	49	1:1	0.285	25.9	
1 770	132572	LTE Band 66	Close	I	20	20.45	Right	5	0	1	49	1:1	0.520	23.3	
1 770	132572	LTE Band 66	Close	I	20	20.45	Top	5	0	1	49	1:1	0.009	40.9	
1 770	132572	LTE Band 66	Close	I	20	20.45	Bottom	5	0	1	49	1:1	0.037	34.8	

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)	(dBm)	(dBm)
836.5	167300	NR Band n5	Open	A	20	22.18	Rear	DFT-s-OFDM QPSK	0	5	1	104	1:1	0.752	23.4	23.4
836.5	167300	NR Band n5	Open	A	20	22.18	Front	DFT-s-OFDM QPSK	0	5	1	104	1:1	0.460	25.6	
836.5	167300	NR Band n5	Open	A	20	22.18	Right	DFT-s-OFDM QPSK	0	5	1	104	1:1	0.481	25.4	
836.5	167300	NR Band n5	Open	A	20	22.18	Bottom	DFT-s-OFDM QPSK	0	5	1	104	1:1	0.584	24.5	
836.5	167300	NR Band n5	Close	A	20	22.18	Rear	DFT-s-OFDM QPSK	0	5	1	104	1:1	0.312	27.2	
836.5	167300	NR Band n5	Close	A	20	22.18	Front	DFT-s-OFDM QPSK	0	5	1	104	1:1	0.071	33.7	
836.5	167300	NR Band n5	Close	A	20	22.18	Right	DFT-s-OFDM QPSK	0	5	1	104	1:1	0.457	25.6	
836.5	167300	NR Band n5	Close	A	20	22.18	Bottom	DFT-s-OFDM QPSK	0	5	1	104	1:1	0.497	25.2	
836.5	167300	NR Band n5	Open	E	20	19.48	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.280	25.0	23.8
836.5	167300	NR Band n5	Open	E	20	19.48	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.340	24.2	
836.5	167300	NR Band n5	Open	E	20	19.48	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.373	23.8	
836.5	167300	NR Band n5	Open	E	20	19.48	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.200	26.5	
836.5	167300	NR Band n5	Close	E	20	19.48	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.075	30.7	
836.5	167300	NR Band n5	Close	E	20	19.48	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.215	26.2	
836.5	167300	NR Band n5	Close	E	20	19.48	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.206	26.3	
836.5	167300	NR Band n5	Close	E	20	19.48	Top	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.009	39.9	
836.5	167300	NR Band n5	Close	E	20	19.48	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.014	38.0	21.0
1882.5	376500	NR Band n25	Open	A	40	19.47	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.599	21.7	
1882.5	376500	NR Band n25	Open	A	40	19.47	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.290	24.8	
1882.5	376500	NR Band n25	Open	A	40	19.47	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.234	25.8	
1882.5	376500	NR Band n25	Open	A	40	19.47	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.709	21.0	
1882.5	376500	NR Band n25	Close	A	40	19.47	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.380	23.7	
1882.5	376500	NR Band n25	Close	A	40	19.47	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.041	33.3	
1882.5	376500	NR Band n25	Open	A	40	19.47	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.216	26.1	
1882.5	376500	NR Band n25	Open	A	40	19.47	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.684	21.1	21.9
1882.5	376500	NR Band n25	Open	I	40	19.45	Rear	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.336	24.2	
1882.5	376500	NR Band n25	Open	I	40	19.45	Front	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.567	21.9	
1882.5	376500	NR Band n25	Open	I	40	19.45	Right	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.532	22.2	
1882.5	376500	NR Band n25	Open	I	40	19.45	Top	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.027	35.1	
1882.5	376500	NR Band n25	Open	I	40	19.45	Rear	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.012	38.7	
1882.5	376500	NR Band n25	Close	I	40	19.45	Front	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.303	24.6	
1882.5	376500	NR Band n25	Close	I	40	19.45	Right	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.345	24.1	
1882.5	376500	NR Band n25	Close	I	40	19.45	Top	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.007	41.0	
1882.5	376500	NR Band n25	Open	I	40	19.45	Bottom	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.015	37.7	

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)
2 592.99	518598	NR Band n41	Open	B	100	20.90	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.417	24.7	25.2
2 592.99	518598	NR Band n41	Open	B	100	20.90	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.201	27.9	
2 592.99	518598	NR Band n41	Open	B	100	20.90	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.059	33.2	
2 592.99	518598	NR Band n41	Open	B	100	20.90	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.375	25.2	
2 592.99	518598	NR Band n41	Close	B	100	20.90	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.375	25.2	
2 592.99	518598	NR Band n41	Close	B	100	20.90	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.062	33.0	
2 592.99	518598	NR Band n41	Close	B	100	20.90	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.058	33.3	
2 592.99	518598	NR Band n41	Close	B	100	20.90	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.238	27.1	
2 592.99	518598	NR Band n41 SRS1	Open	I	100	17.48	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.289	22.9	19.5
2 592.99	518598	NR Band n41 SRS1	Open	I	100	17.48	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.340	22.2	
2 592.99	518598	NR Band n41 SRS1	Open	I	100	17.48	Right	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.542	20.1	
2 592.99	518598	NR Band n41 SRS1	Open	I	100	17.48	Top	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.051	30.4	
2 592.99	518598	NR Band n41 SRS1	Close	I	100	17.48	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.195	24.6	
2 592.99	518598	NR Band n41 SRS1	Close	I	100	17.48	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.226	23.9	
2 592.99	518598	NR Band n41 SRS1	Close	I	100	17.48	Right	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.632	19.5	
2 592.99	518598	NR Band n41 SRS1	Close	I	100	17.48	Top	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.012	36.7	
2 592.99	518598	NR Band n41 SRS1	Close	I	100	17.48	Bottom	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.063	29.5	
2 592.99	518598	NR Band n41 SRS2	Open	C	100	21.33	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.649	23.2	22.3
2 592.99	518598	NR Band n41 SRS2	Open	C	100	21.33	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.809	22.3	
2 592.99	518598	NR Band n41 SRS2	Open	C	100	21.33	Left	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.680	23.0	
2 592.99	518598	NR Band n41 SRS2	Open	C	100	21.33	Bottom	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.078	32.4	
2 592.99	518598	NR Band n41 SRS2	Close	C	100	21.33	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.396	25.4	
2 592.99	518598	NR Band n41 SRS2	Close	C	100	21.33	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.045	34.8	
2 592.99	518598	NR Band n41 SRS2	Close	C	100	21.33	Left	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.668	23.1	
2 592.99	518598	NR Band n41 SRS2	Close	C	100	21.33	Top	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.020	38.3	
2 592.99	518598	NR Band n41 SRS2	Close	C	100	21.33	Bottom	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.068	33.0	
2 592.99	518598	NR Band n41 SRS3	Open	G	100	15.30	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.060	27.5	23.9
2 592.99	518598	NR Band n41 SRS3	Open	G	100	15.30	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.058	27.7	
2 592.99	518598	NR Band n41 SRS3	Open	G	100	15.30	Left	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.025	31.3	
2 592.99	518598	NR Band n41 SRS3	Open	G	100	15.30	Top	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.139	23.9	
2 592.99	518598	NR Band n41 SRS3	Close	G	100	15.30	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.011	34.9	
2 592.99	518598	NR Band n41 SRS3	Close	G	100	15.30	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.061	27.4	
2 592.99	518598	NR Band n41 SRS3	Close	G	100	15.30	Left	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.024	31.5	
2 592.99	518598	NR Band n41 SRS3	Close	G	100	15.30	Top	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.000	-	
2 592.99	518598	NR Band n41 SRS3	Close	G	100	15.30	Bottom	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.104	25.1	

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)
2 592.99	518598	NR Band n41	Open	I	100	18.49	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.608	20.7	18.4
2 592.99	518598	NR Band n41	Open	I	100	18.49	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.531	21.2	
2 592.99	518598	NR Band n41	Open	I	100	18.49	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	1.010	18.4	
2 592.99	518598	NR Band n41	Open	I	100	18.49	Top	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.154	26.6	
2 592.99	518598	NR Band n41	Close	I	100	18.49	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.236	24.8	
2 592.99	518598	NR Band n41	Close	I	100	18.49	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.454	21.9	
2 592.99	518598	NR Band n41	Close	I	100	18.49	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.915	18.9	
2 592.99	518598	NR Band n41	Close	I	100	18.49	Top	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.021	35.3	
2 592.99	518598	NR Band n41	Close	I	100	18.49	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.132	27.3	
2 592.99	518598	NR Band n41 SRS1	Open	B	100	17.02	Rear	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.575	19.4	18.9
2 592.99	518598	NR Band n41 SRS1	Open	B	100	17.02	Front	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.248	23.1	
2 592.99	518598	NR Band n41 SRS1	Open	B	100	17.02	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.095	27.2	
2 592.99	518598	NR Band n41 SRS1	Open	B	100	17.02	Bottom	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.577	19.4	
2 592.99	518598	NR Band n41 SRS1	Close	B	100	17.02	Rear	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.653	18.9	
2 592.99	518598	NR Band n41 SRS1	Close	B	100	17.02	Front	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.069	28.6	
2 592.99	518598	NR Band n41 SRS1	Close	B	100	17.02	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.119	26.3	
2 592.99	518598	NR Band n41 SRS1	Close	B	100	17.02	Top	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.007	38.6	
2 592.99	518598	NR Band n41 SRS1	Close	B	100	17.02	Bottom	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.437	20.6	
2 592.99	518598	NR Band n41 SRS2	Open	C	100	21.33	Rear	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.649	23.2	22.3
2 592.99	518598	NR Band n41 SRS2	Open	C	100	21.33	Front	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.809	22.3	
2 592.99	518598	NR Band n41 SRS2	Open	C	100	21.33	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.680	23.0	
2 592.99	518598	NR Band n41 SRS2	Open	C	100	21.33	Bottom	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.078	32.4	
2 592.99	518598	NR Band n41 SRS2	Close	C	100	21.33	Rear	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.396	25.4	
2 592.99	518598	NR Band n41 SRS2	Close	C	100	21.33	Front	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.045	34.8	
2 592.99	518598	NR Band n41 SRS2	Close	C	100	21.33	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.668	23.1	
2 592.99	518598	NR Band n41 SRS2	Close	C	100	21.33	Top	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.020	38.3	
2 592.99	518598	NR Band n41 SRS2	Close	C	100	21.33	Bottom	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.068	33.0	
2 592.99	518598	NR Band n41 SRS3	Open	G	100	15.30	Rear	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.060	27.5	23.9
2 592.99	518598	NR Band n41 SRS3	Open	G	100	15.30	Front	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.058	27.7	
2 592.99	518598	NR Band n41 SRS3	Open	G	100	15.30	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.025	31.3	
2 592.99	518598	NR Band n41 SRS3	Open	G	100	15.30	Top	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.139	23.9	
2 592.99	518598	NR Band n41 SRS3	Close	G	100	15.30	Rear	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.011	34.9	
2 592.99	518598	NR Band n41 SRS3	Close	G	100	15.30	Front	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.061	27.4	
2 592.99	518598	NR Band n41 SRS3	Close	G	100	15.30	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.024	31.5	
2 592.99	518598	NR Band n41 SRS3	Close	G	100	15.30	Top	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.000	-	
2 592.99	518598	NR Band n41 SRS3	Close	G	100	15.30	Bottom	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.104	25.1	

MEASUREMENT RESULTS																
Frequency		Mode	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power (dBm)	Test Position		MPR (dB)	Spacing (m)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit (dBm)	Minimum Plimit (dBm)
Mhz	Ch.													(W/kg)		
1 745	349000	NR Band n66	Open	B	40	19.62	Rear	DFT-S-OFDM QPSK	0	5	1	108	1:1	0.770	20.8	20.8
1 745	349000	NR Band n66	Open	B	40	19.62	Front	DFT-S-OFDM QPSK	0	5	1	108	1:1	0.359	24.1	
1 745	349000	NR Band n66	Open	B	40	19.62	Left	DFT-S-OFDM QPSK	0	5	1	108	1:1	0.219	26.2	
1 745	349000	NR Band n66	Open	B	40	19.62	Bottom	DFT-S-OFDM QPSK	0	5	1	108	1:1	0.652	21.5	
1 745	349000	NR Band n66	Close	B	40	19.62	Rear	DFT-S-OFDM QPSK	0	5	1	108	1:1	0.444	23.1	
1 745	349000	NR Band n66	Close	B	40	19.62	Front	DFT-S-OFDM QPSK	0	5	1	108	1:1	0.048	32.8	
1 745	349000	NR Band n66	Close	B	40	19.62	Left	DFT-S-OFDM QPSK	0	5	1	108	1:1	0.179	27.1	
1 745	349000	NR Band n66	Close	B	40	19.62	Bottom	DFT-S-OFDM QPSK	0	5	1	108	1:1	0.533	22.4	
1 745	349000	NR Band n66	Open	I	40	20.49	Rear	DFT-S-OFDM QPSK	0	5	1	214	1:1	0.561	23.0	23.0
1 745	349000	NR Band n66	Open	I	40	20.49	Front	DFT-S-OFDM QPSK	0	5	1	214	1:1	0.554	23.1	
1 745	349000	NR Band n66	Open	I	40	20.49	Right	DFT-S-OFDM QPSK	0	5	1	214	1:1	0.496	23.5	
1 745	349000	NR Band n66	Open	I	40	20.49	Bottom	DFT-S-OFDM QPSK	0	5	1	214	1:1	0.053	33.2	
1 745	349000	NR Band n66	Close	I	40	20.49	Rear	DFT-S-OFDM QPSK	0	5	1	214	1:1	0.025	36.5	
1 745	349000	NR Band n66	Close	I	40	20.49	Front	DFT-S-OFDM QPSK	0	5	1	214	1:1	0.211	27.2	
1 745	349000	NR Band n66	Close	I	40	20.49	Right	DFT-S-OFDM QPSK	0	5	1	214	1:1	0.331	25.3	
1 745	349000	NR Band n66	Close	I	40	20.49	Top	DFT-S-OFDM QPSK	0	5	1	214	1:1	0.007	42.0	
1 745	349000	NR Band n66	Close	I	40	20.49	Bottom	DFT-S-OFDM QPSK	0	5	1	214	1:1	0.035	35.0	
680.5	136100	NR Band n71	Open	A	20	25.56	Rear	DFT-S-OFDM QPSK	0	5	1	53	1:1	0.753	26.8	26.6
680.5	136100	NR Band n71	Open	A	20	25.56	Front	DFT-S-OFDM QPSK	0	5	1	53	1:1	0.370	29.9	
680.5	136100	NR Band n71	Open	A	20	25.56	Right	DFT-S-OFDM QPSK	0	5	1	53	1:1	0.511	28.5	
680.5	136100	NR Band n71	Open	A	20	25.56	Bottom	DFT-S-OFDM QPSK	0	5	1	53	1:1	0.782	26.6	
680.5	136100	NR Band n71	Close	A	20	25.56	Rear	DFT-S-OFDM QPSK	0	5	1	53	1:1	0.145	33.9	
680.5	136100	NR Band n71	Close	A	20	25.56	Front	DFT-S-OFDM QPSK	0	5	1	53	1:1	0.044	39.1	
680.5	136100	NR Band n71	Close	A	20	25.56	Right	DFT-S-OFDM QPSK	0	5	1	53	1:1	0.227	32.0	
680.5	136100	NR Band n71	Close	A	20	25.56	Bottom	DFT-S-OFDM QPSK	0	5	1	53	1:1	0.373	29.8	
680.5	136100	NR Band n71	Open	E	20	19.14	Rear	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.211	25.9	24.4
680.5	136100	NR Band n71	Open	E	20	19.14	Front	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.207	26.0	
680.5	136100	NR Band n71	Open	E	20	19.14	Left	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.295	24.4	
680.5	136100	NR Band n71	Open	E	20	19.14	Top	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.022	35.7	
680.5	136100	NR Band n71	Close	E	20	19.14	Rear	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.056	31.7	
680.5	136100	NR Band n71	Close	E	20	19.14	Front	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.124	28.2	
680.5	136100	NR Band n71	Close	E	20	19.14	Left	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.199	26.2	
680.5	136100	NR Band n71	Close	E	20	19.14	Top	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.004	43.1	
680.5	136100	NR Band n71	Close	E	20	19.14	Bottom	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.015	37.4	

MEASUREMENT RESULTS																
Frequency		Mode	Form Factor	Ant. No.	Bandwidth	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)	(dBm)	(dBm)
3 750	650000	NR Band n77(PC2)	Open	F	100	17.45	Rear	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.261	23.3	20.0
3 750	650000	NR Band n77(PC2)	Open	F	100	17.45	Front	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.248	23.5	
3 750	650000	NR Band n77(PC2)	Open	F	100	17.45	Left	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.561	20.0	
3 750	650000	NR Band n77(PC2)	Open	F	100	17.45	Top	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.206	24.3	
3 750	650000	NR Band n77(PC2)	Close	F	100	17.45	Rear	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.046	30.8	
3 750	650000	NR Band n77(PC2)	Close	F	100	17.45	Front	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.147	25.8	
3 750	650000	NR Band n77(PC2)	Close	F	100	17.45	Left	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.290	22.8	
3 750	650000	NR Band n77(PC2)	Close	F	100	17.45	Top	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.008	38.4	
3 750	650000	NR Band n77(PC2)	Close	F	100	17.45	Bottom	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.233	23.8	
3 500.01	633334	NR Band n77 DoD(PC2)	Open	F	100	17.31	Left	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.464	20.6	20.6
3 500.01	633334	NR Band n77 DoD(PC2)	Close	F	100	17.31	Left	DFT-S-OFDM QPSK	0	5	1	1	1:1	0.310	22.4	
3 750	650000	NR Band n77 SRS1	Open	I	100	17.43	Rear	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.074	28.7	25.4
3 750	650000	NR Band n77 SRS1	Open	I	100	17.43	Front	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.111	27.0	
3 750	650000	NR Band n77 SRS1	Open	I	100	17.43	Right	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.122	26.6	
3 750	650000	NR Band n77 SRS1	Open	I	100	17.43	Top	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.000	-	
3 750	650000	NR Band n77 SRS1	Close	I	100	17.43	Rear	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.019	34.6	
3 750	650000	NR Band n77 SRS1	Close	I	100	17.43	Front	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.110	27.0	
3 750	650000	NR Band n77 SRS1	Close	I	100	17.43	Right	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.161	25.4	
3 750	650000	NR Band n77 SRS1	Close	I	100	17.43	Top	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.004	41.4	
3 750	650000	NR Band n77 SRS1	Close	I	100	17.43	Bottom	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.007	39.0	
3 500.01	633334	NR Band n77 DoD SRS1	Open	I	100	17.39	Right	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.422	21.1	20.7
3 500.01	633334	NR Band n77 DoD SRS1	Close	I	100	17.39	Right	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.469	20.7	
3 750	650000	NR Band n77 SRS2	Open	E	100	17.30	Rear	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.288	28.7	25.4
3 750	650000	NR Band n77 SRS2	Open	E	100	17.30	Front	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.168	27.0	
3 750	650000	NR Band n77 SRS2	Open	E	100	17.30	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.000	26.6	
3 750	650000	NR Band n77 SRS2	Open	E	100	17.30	Top	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.009	-	
3 750	650000	NR Band n77 SRS2	Close	E	100	17.30	Rear	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.055	34.6	
3 750	650000	NR Band n77 SRS2	Close	E	100	17.30	Front	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.045	27.0	
3 750	650000	NR Band n77 SRS2	Close	E	100	17.30	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.007	25.4	
3 750	650000	NR Band n77 SRS2	Close	E	100	17.30	Top	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.019	41.4	
3 750	650000	NR Band n77 SRS2	Close	E	100	17.30	Bottom	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.008	39.0	
3 500.01	633334	NR Band n77 DoD SRS2	Open	E	100	17.09	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.162	21.1	20.7
3 500.01	633334	NR Band n77 DoD SRS2	Close	E	100	17.09	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.047	20.7	

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.													(W/kg)	(dBm)	(dBm)
3 750	650000	NR Band n77 SRS3	Open	C	100	17.49	Rear	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.288	26.0	21.8
3 750	650000	NR Band n77 SRS3	Open	C	100	17.49	Front	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.168	26.5	
3 750	650000	NR Band n77 SRS3	Open	C	100	17.49	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.000	21.8	
3 750	650000	NR Band n77 SRS3	Open	C	100	17.49	Bottom	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.009	-	
3 750	650000	NR Band n77 SRS3	Close	C	100	17.49	Rear	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.055	26.0	
3 750	650000	NR Band n77 SRS3	Close	C	100	17.49	Front	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.045	31.2	
3 750	650000	NR Band n77 SRS3	Close	C	100	17.49	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.007	23.6	
3 750	650000	NR Band n77 SRS3	Close	C	100	17.49	Top	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.019	36.7	
3 750	650000	NR Band n77 SRS3	Close	C	100	17.49	Bottom	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.008	29.5	
3 500.01	633334	NR Band n77 DoD SRS3	Open	C	100	17.09	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.216	23.7	23.1
3 500.01	633334	NR Band n77 DoD SRS3	Close	C	100	17.09	Left	DFT-S-OFDM QPSK	0	5	1	137	1:1	0.249	23.1	

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

MEASUREMENT RESULTS														
Frequency		Mode/ Band	Band width (MHz)	Form Factor	Ant. No.	Data Rate	Frame Averaged	Test Position	Ant. Config.	Duty Cycle	Meas.	Scaling	Plimit	Minimum Plimit
MHz	Ch.						Conducted Power (dBm)				(W/kg)	(Duty)		
2 462	11	802.11b	20	Open	G	1Mbps	15.48	Rear	WIFI1	98.8	0.173	1.012	23.1	19.3
2 462	11	802.11b	20	Open	G	1Mbps	15.48	Front	WIFI1	98.8	0.158	1.012	23.5	
2 462	11	802.11b	20	Open	G	1Mbps	15.48	Left	WIFI1	98.8	0.028	1.012	31.0	
2 462	11	802.11b	20	Open	G	1Mbps	15.48	Top	WIFI1	98.8	0.411	1.012	19.3	
2 462	11	802.11b	20	Close	G	1Mbps	15.48	Rear	WIFI1	98.8	0.023	1.012	31.9	
2 462	11	802.11b	20	Close	G	1Mbps	15.48	Front	WIFI1	98.8	0.130	1.012	24.3	
2 462	11	802.11b	20	Close	G	1Mbps	15.48	Left	WIFI1	98.8	0.014	1.012	34.0	
2 462	11	802.11b	20	Close	G	1Mbps	15.48	Bottom	WIFI1	98.8	0.279	1.012	21.0	
2 462	11	802.11b	20	Open	H	1Mbps	14.46	Rear	WIFI2	98.8	0.025	1.012	30.5	24.4
2 462	11	802.11b	20	Open	H	1Mbps	14.46	Front	WIFI2	98.8	0.101	1.012	24.4	
2 462	11	802.11b	20	Open	H	1Mbps	14.46	Right	WIFI2	98.8	0.016	1.012	32.4	
2 462	11	802.11b	20	Open	H	1Mbps	14.46	Top	WIFI2	98.8	0.062	1.012	26.5	
2 462	11	802.11b	20	Close	H	1Mbps	14.46	Rear	WIFI2	98.8	0.019	1.012	31.7	
2 462	11	802.11b	20	Close	H	1Mbps	14.46	Front	WIFI2	98.8	0.038	1.012	28.7	
2 462	11	802.11b	20	Close	H	1Mbps	14.46	Right	WIFI2	98.8	0.024	1.012	30.7	
2 462	11	802.11b	20	Close	H	1Mbps	14.46	Bottom	WIFI2	98.8	0.044	1.012	28.0	
2 462	11	802.11b	20	Open	G+H	1Mbps	14.46	Rear	MIMO	98.8	0.030	1.012	29.7	16.1
2 462	11	802.11b	20	Open	G+H	1Mbps	14.46	Front	MIMO	98.8	0.199	1.012	21.5	
2 462	11	802.11b	20	Open	G+H	1Mbps	14.46	Left	MIMO	98.8	0.027	1.012	30.1	
2 462	11	802.11b	20	Open	G+H	1Mbps	14.46	Right	MIMO	98.8	0.030	1.012	29.7	
2 462	11	802.11b	20	Open	G+H	1Mbps	14.46	Top	MIMO	98.8	0.685	1.012	16.1	
2 462	11	802.11b	20	Close	G+H	1Mbps	14.46	Rear	MIMO	98.8	0.031	1.012	29.5	
2 462	11	802.11b	20	Close	G+H	1Mbps	14.46	Front	MIMO	98.8	0.478	1.012	17.7	
2 462	11	802.11b	20	Close	G+H	1Mbps	14.46	Left	MIMO	98.8	0.020	1.012	31.4	
2 462	11	802.11b	20	Close	G+H	1Mbps	14.46	Right	MIMO	98.8	0.022	1.012	31.0	
2 462	11	802.11b	20	Close	G+H	1Mbps	14.46	Bottom	MIMO	98.8	0.475	1.012	17.7	
5 290	58	802.11ac	80	Open	F	MCS0	15.75	Rear	WIFI1	85.9	0.225	1.164	22.2	18.5
5 290	58	802.11ac	80	Open	F	MCS0	15.75	Front	WIFI1	85.9	0.153	1.164	23.9	
5 290	58	802.11ac	80	Open	F	MCS0	15.75	Left	WIFI1	85.9	0.535	1.164	18.5	
5 290	58	802.11ac	80	Open	F	MCS0	15.75	Top	WIFI1	85.9	0.348	1.164	20.3	
5 290	58	802.11ac	80	Close	F	MCS0	15.75	Rear	WIFI1	85.9	0.031	1.164	30.8	
5 290	58	802.11ac	80	Close	F	MCS0	15.75	Front	WIFI1	85.9	0.129	1.164	24.6	
5 290	58	802.11ac	80	Close	F	MCS0	15.75	Left	WIFI1	85.9	0.403	1.164	19.7	
5 290	58	802.11ac	80	Close	F	MCS0	15.75	Bottom	WIFI1	85.9	0.172	1.164	23.4	

MEASUREMENT RESULTS														
Frequency		Mode/ Band	Band width	Form Factor	Ant. No.	Data Rate	Frame Averaged	Test Position	Ant. Config.	Duty Cycle	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
MHz	Ch.						Conducted Power							
			(MHz)				(dBm)				(W/kg)	(Duty)	(dBm)	(dBm)
5 690	138	802.11ac	80	Open	F	MCS0	15.79	Rear	WIFI1	85.9	0.243	1.164	21.9	19.5
5 690	138	802.11ac	80	Open	F	MCS0	15.79	Front	WIFI1	85.9	0.242	1.164	22.0	
5 690	138	802.11ac	80	Open	F	MCS0	15.79	Left	WIFI1	85.9	0.418	1.164	19.6	
5 690	138	802.11ac	80	Open	F	MCS0	15.79	Top	WIFI1	85.9	0.314	1.164	20.8	
5 690	138	802.11ac	80	Close	F	MCS0	15.79	Rear	WIFI1	85.9	0.034	1.164	30.5	
5 690	138	802.11ac	80	Close	F	MCS0	15.79	Front	WIFI1	85.9	0.237	1.164	22.0	
5 690	138	802.11ac	80	Close	F	MCS0	15.79	Left	WIFI1	85.9	0.423	1.164	19.5	
5 690	138	802.11ac	80	Close	F	MCS0	15.79	Bottom	WIFI1	85.9	0.289	1.164	21.2	19.5
5 755	155	802.11ac	80	Open	F	MCS0	15.73	Rear	WIFI1	85.9	0.218	1.164	22.3	
5 755	155	802.11ac	80	Open	F	MCS0	15.73	Front	WIFI1	85.9	0.151	1.164	23.9	
5 755	155	802.11ac	80	Open	F	MCS0	15.73	Right	WIFI1	85.9	0.424	1.164	19.5	
5 755	155	802.11ac	80	Open	F	MCS0	15.73	Top	WIFI1	85.9	0.223	1.164	22.2	
5 755	155	802.11ac	80	Close	F	MCS0	15.73	Rear	WIFI1	85.9	0.017	1.164	33.4	
5 755	155	802.11ac	80	Close	F	MCS0	15.73	Front	WIFI1	85.9	0.219	1.164	22.3	
5 755	155	802.11ac	80	Close	F	MCS0	15.73	Right	WIFI1	85.9	0.403	1.164	19.7	19.1
5 755	155	802.11ac	80	Close	F	MCS0	15.73	Bottom	WIFI1	85.9	0.257	1.164	21.6	
5 855	171	802.11ac	80	Open	F	MCS0	15.99	Rear	WIFI1	85.9	0.190	1.164	23.2	
5 855	171	802.11ac	80	Open	F	MCS0	15.99	Front	WIFI1	85.9	0.128	1.164	24.9	
5 855	171	802.11ac	80	Open	F	MCS0	15.99	Left	WIFI1	85.9	0.374	1.164	20.3	
5 855	171	802.11ac	80	Open	F	MCS0	15.99	Right	WIFI1	85.9	0.180	1.164	23.4	
5 855	171	802.11ac	80	Close	F	MCS0	15.99	Rear	WIFI1	85.9	0.033	1.164	20.8	
5 855	171	802.11ac	80	Close	F	MCS0	15.99	Front	WIFI1	85.9	0.157	1.164	24.0	23.1
5 855	171	802.11ac	80	Close	F	MCS0	15.99	Left	WIFI1	85.9	0.489	1.164	19.1	
5 855	171	802.11ac	80	Close	F	MCS0	15.99	Right	WIFI1	85.9	0.148	1.164	24.3	
5 290	58	802.11ac	80	Open	H	MCS0	15.32	Rear	WIFI2	85.9	0.133	1.164	24.1	
5 290	58	802.11ac	80	Open	H	MCS0	15.32	Front	WIFI2	85.9	0.167	1.164	23.1	
5 290	58	802.11ac	80	Open	H	MCS0	15.32	Right	WIFI2	85.9	0.017	1.164	33.0	
5 290	58	802.11ac	80	Open	H	MCS0	15.32	Top	WIFI2	85.9	0.047	1.164	28.6	
5 290	58	802.11ac	80	Close	H	MCS0	15.32	Rear	WIFI2	85.9	0.010	1.164	35.3	21.4
5 290	58	802.11ac	80	Close	H	MCS0	15.32	Front	WIFI2	85.9	0.072	1.164	26.7	
5 290	58	802.11ac	80	Close	H	MCS0	15.32	Right	WIFI2	85.9	0.010	1.164	35.3	
5 290	58	802.11ac	80	Close	H	MCS0	15.32	Bottom	WIFI2	85.9	0.045	1.164	28.8	
5 690	138	802.11ac	80	Open	H	MCS0	15.43	Rear	WIFI2	85.9	0.171	1.164	23.1	
5 690	138	802.11ac	80	Open	H	MCS0	15.43	Front	WIFI2	85.9	0.193	1.164	22.6	
5 690	138	802.11ac	80	Open	H	MCS0	15.43	Right	WIFI2	85.9	0.035	1.164	30.0	
5 690	138	802.11ac	80	Open	H	MCS0	15.43	Top	WIFI2	85.9	0.037	1.164	29.7	21.4
5 690	138	802.11ac	80	Close	H	MCS0	15.43	Rear	WIFI2	85.9	0.004	1.164	39.4	
5 690	138	802.11ac	80	Close	H	MCS0	15.43	Front	WIFI2	85.9	0.254	1.164	21.4	
5 690	138	802.11ac	80	Close	H	MCS0	15.43	Right	WIFI2	85.9	0.056	1.164	27.9	
5 690	138	802.11ac	80	Close	H	MCS0	15.43	Bottom	WIFI2	85.9	0.055	1.164	28.0	

MEASUREMENT RESULTS														
Frequency		Mode/ Band	Band width	Form Factor	Ant. No.	Data Rate	Frame Averaged	Test Position	Ant. Config.	Duty Cycle	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
MHz	Ch.						Conducted Power							
			(MHz)				(dBm)				(W/kg)	(Duty)	(dBm)	(dBm)
5 755	155	802.11ac	80	Open	H	MCS0	15.34	Rear	WIFI2	85.9	0.252	1.164	21.3	21.3
5 755	155	802.11ac	80	Open	H	MCS0	15.34	Front	WIFI2	85.9	0.139	1.164	23.9	
5 755	155	802.11ac	80	Open	H	MCS0	15.34	Right	WIFI2	85.9	0.063	1.164	27.3	
5 755	155	802.11ac	80	Open	H	MCS0	15.34	Top	WIFI2	85.9	0.045	1.164	28.8	
5 755	155	802.11ac	80	Close	H	MCS0	15.34	Rear	WIFI2	85.9	0.004	1.164	39.3	
5 755	155	802.11ac	80	Close	H	MCS0	15.34	Front	WIFI2	85.9	0.209	1.164	22.1	
5 755	155	802.11ac	80	Close	H	MCS0	15.34	Right	WIFI2	85.9	0.085	1.164	26.0	
5 755	155	802.11ac	80	Close	H	MCS0	15.34	Bottom	WIFI2	85.9	0.077	1.164	26.5	
5 855	171	802.11ac	80	Open	H	MCS0	15.93	Rear	WIFI2	85.9	0.104	1.164	25.8	22.2
5 855	171	802.11ac	80	Open	H	MCS0	15.93	Front	WIFI2	85.9	0.184	1.164	23.3	
5 855	171	802.11ac	80	Open	H	MCS0	15.93	Right	WIFI2	85.9	0.123	1.164	25.0	
5 855	171	802.11ac	80	Open	H	MCS0	15.93	Top	WIFI2	85.9	0.068	1.164	27.6	
5 855	171	802.11ac	80	Close	H	MCS0	15.93	Rear	WIFI2	85.9	0.012	1.164	35.1	
5 855	171	802.11ac	80	Close	H	MCS0	15.93	Front	WIFI2	85.9	0.174	1.164	23.5	
5 855	171	802.11ac	80	Close	H	MCS0	15.93	Right	WIFI2	85.9	0.238	1.164	22.2	
5 855	171	802.11ac	80	Close	H	MCS0	15.93	Bottom	WIFI2	85.9	0.136	1.164	24.6	
5 290	58	802.11ac	80	Open	F+H	MCS0	15.32	Rear	MIMO	85.9	0.174	1.164	22.9	18.3
5 290	58	802.11ac	80	Open	F+H	MCS0	15.32	Front	MIMO	85.9	0.164	1.164	23.2	
5 290	58	802.11ac	80	Open	F+H	MCS0	15.32	Left	MIMO	85.9	0.503	1.164	18.3	
5 290	58	802.11ac	80	Open	F+H	MCS0	15.32	Right	MIMO	85.9	0.003	1.164	40.5	
5 290	58	802.11ac	80	Open	F+H	MCS0	15.32	Top	MIMO	85.9	0.251	1.164	21.3	
5 290	58	802.11ac	80	Close	F+H	MCS0	15.32	Rear	MIMO	85.9	0.034	1.164	30.0	
5 290	58	802.11ac	80	Close	F+H	MCS0	15.32	Front	MIMO	85.9	0.120	1.164	24.5	
5 290	58	802.11ac	80	Close	F+H	MCS0	15.32	Left	MIMO	85.9	0.316	1.164	20.3	
5 290	58	802.11ac	80	Close	F+H	MCS0	15.32	Right	MIMO	85.9	0.005	1.164	38.3	
5 290	58	802.11ac	80	Close	F+H	MCS0	15.32	Bottom	MIMO	85.9	0.165	1.164	23.1	
5 690	138	802.11ac	80	Open	F+H	MCS0	15.43	Rear	MIMO	85.9	0.172	1.164	23.1	18.5
5 690	138	802.11ac	80	Open	F+H	MCS0	15.43	Front	MIMO	85.9	0.175	1.164	23.0	
5 690	138	802.11ac	80	Open	F+H	MCS0	15.43	Left	MIMO	85.9	0.488	1.164	18.5	
5 690	138	802.11ac	80	Open	F+H	MCS0	15.43	Right	MIMO	85.9	0.036	1.164	29.9	
5 690	138	802.11ac	80	Open	F+H	MCS0	15.43	Top	MIMO	85.9	0.340	1.164	20.1	
5 690	138	802.11ac	80	Close	F+H	MCS0	15.43	Rear	MIMO	85.9	0.031	1.164	30.5	
5 690	138	802.11ac	80	Close	F+H	MCS0	15.43	Front	MIMO	85.9	0.080	1.164	26.4	
5 690	138	802.11ac	80	Close	F+H	MCS0	15.43	Left	MIMO	85.9	0.348	1.164	20.0	
5 690	138	802.11ac	80	Close	F+H	MCS0	15.43	Right	MIMO	85.9	0.058	1.164	27.8	
5 690	138	802.11ac	80	Close	F+H	MCS0	15.43	Bottom	MIMO	85.9	0.319	1.164	20.4	

MEASUREMENT RESULTS														
Frequency		Mode/ Band	Band width	Form Factor	Ant. No.	Data Rate	Frame Averaged	Test Position	Ant. Config.	Duty Cycle	Meas.	Scaling	Plimit	Minimum
							Conducted Power				SAR(1g)	Factor		Plimit
MHz	Ch.		(MHz)				(dBm)				(W/kg)	(Duty)	(dBm)	(dBm)
5 755	155	802.11ac	80	Open	F+H	MCS0	15.34	Rear	MIMO	85.9	0.258	1.164	21.2	19.2
5 755	155	802.11ac	80	Open	F+H	MCS0	15.34	Front	MIMO	85.9	0.245	1.164	21.4	
5 755	155	802.11ac	80	Open	F+H	MCS0	15.34	Left	MIMO	85.9	0.401	1.164	19.3	
5 755	155	802.11ac	80	Open	F+H	MCS0	15.34	Right	MIMO	85.9	0.061	1.164	27.5	
5 755	155	802.11ac	80	Open	F+H	MCS0	15.34	Top	MIMO	85.9	0.192	1.164	22.5	
5 755	155	802.11ac	80	Close	F+H	MCS0	15.34	Rear	MIMO	85.9	0.000	1.164	-	
5 755	155	802.11ac	80	Close	F+H	MCS0	15.34	Front	MIMO	85.9	0.079	1.164	26.4	
5 755	155	802.11ac	80	Close	F+H	MCS0	15.34	Left	MIMO	85.9	0.414	1.164	19.2	
5 755	155	802.11ac	80	Close	F+H	MCS0	15.34	Right	MIMO	85.9	0.070	1.164	26.9	
5 755	155	802.11ac	80	Close	F+H	MCS0	15.34	Bottom	MIMO	85.9	0.285	1.164	20.8	
5 855	171	802.11ac	80	Open	F+H	MCS0	15.93	Rear	MIMO	85.9	0.373	1.164	20.2	20.2
5 855	171	802.11ac	80	Open	F+H	MCS0	15.93	Front	MIMO	85.9	0.155	1.164	24.0	
5 855	171	802.11ac	80	Open	F+H	MCS0	15.93	Left	MIMO	85.9	0.320	1.164	20.9	
5 855	171	802.11ac	80	Open	F+H	MCS0	15.93	Right	MIMO	85.9	0.089	1.164	26.4	
5 855	171	802.11ac	80	Open	F+H	MCS0	15.93	Top	MIMO	85.9	0.184	1.164	23.3	
5 855	171	802.11ac	80	Close	F+H	MCS0	15.93	Rear	MIMO	85.9	0.019	1.164	33.1	
5 855	171	802.11ac	80	Close	F+H	MCS0	15.93	Front	MIMO	85.9	0.162	1.164	23.8	
5 855	171	802.11ac	80	Close	F+H	MCS0	15.93	Left	MIMO	85.9	0.269	1.164	21.6	
5 855	171	802.11ac	80	Close	F+H	MCS0	15.93	Right	MIMO	85.9	0.118	1.164	25.2	
5 855	171	802.11ac	80	Close	F+H	MCS0	15.93	Bottom	MIMO	85.9	0.186	1.164	23.2	

MEASUREMENT RESULTS														
Frequency		Mode/ Band	Band width	Form Factor	Ant. No.	Data Rate	Frame Averaged	Test Position	Ant. Config.	Duty Cycle	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
MHz	Ch.						Conducted Power							
			(MHz)				(dBm)				(W/kg)	(Duty)	(dBm)	(dBm)
6 165	43	802.11ax40	40	Open	F	MCS0	10.90	Rear	WIFI1	99.6	0.024	1.004	27.1	20.9
6 165	43	802.11ax40	40	Open	F	MCS0	10.90	Front	WIFI1	99.6	0.063	1.004	22.9	
6 165	43	802.11ax40	40	Open	F	MCS0	10.90	Left	WIFI1	99.6	0.100	1.004	20.9	
6 165	43	802.11ax40	40	Open	F	MCS0	10.90	Top	WIFI1	99.6	0.035	1.004	25.4	
6 165	43	802.11ax40	40	Close	F	MCS0	10.90	Rear	WIFI1	99.6	0.000	1.004	-	
6 165	43	802.11ax40	40	Close	F	MCS0	10.90	Front	WIFI1	99.6	0.000	1.004	-	
6 165	43	802.11ax40	40	Close	F	MCS0	10.90	Left	WIFI1	99.6	0.073	1.004	22.2	
6 165	43	802.11ax40	40	Close	F	MCS0	10.90	Bottom	WIFI1	99.6	0.025	1.004	26.9	27.8
6 525	115	802.11ax40	40	Open	H	MCS0	10.09	Rear	WIFI2	99.6	0.017	1.004	27.8	
6 525	115	802.11ax40	40	Open	H	MCS0	10.09	Front	WIFI2	99.6	0.000	1.004	-	
6 525	115	802.11ax40	40	Open	H	MCS0	10.09	Right	WIFI2	99.6	0.000	1.004	-	
6 525	115	802.11ax40	40	Open	H	MCS0	10.09	Top	WIFI2	99.6	0.000	1.004	-	
6 525	115	802.11ax40	40	Close	H	MCS0	10.09	Rear	WIFI2	99.6	0.000	1.004	-	
6 525	115	802.11ax40	40	Close	H	MCS0	10.09	Front	WIFI2	99.6	0.000	1.004	-	
6 525	115	802.11ax40	40	Close	H	MCS0	10.09	Right	WIFI2	99.6	0.017	1.004	27.8	20.1
6 525	115	802.11ax40	40	Close	H	MCS0	10.09	Bottom	WIFI2	99.6	0.006	1.004	32.3	
6 165	43	802.11ax40	40	Open	F+H	MCS0	10.09	Rear	MIMO	99.6	0.041	1.004	23.9	
6 165	43	802.11ax40	40	Open	F+H	MCS0	10.09	Front	MIMO	99.6	0.063	1.004	22.1	
6 165	43	802.11ax40	40	Open	F+H	MCS0	10.09	Left	MIMO	99.6	0.100	1.004	20.1	
6 165	43	802.11ax40	40	Open	F+H	MCS0	10.09	Right	MIMO	99.6	0.035	1.004	24.6	
6 165	43	802.11ax40	40	Open	F+H	MCS0	10.09	Top	MIMO	99.6	0.000	1.004	-	
6 165	43	802.11ax40	40	Close	F+H	MCS0	10.09	Rear	MIMO	99.6	0.000	1.004	-	20.5
6 165	43	802.11ax40	40	Close	F+H	MCS0	10.09	Front	MIMO	99.6	0.000	1.004	-	
6 165	43	802.11ax40	40	Close	F+H	MCS0	10.09	Left	MIMO	99.6	0.090	1.004	20.5	
6 165	43	802.11ax40	40	Close	F+H	MCS0	10.09	Right	MIMO	99.6	0.031	1.004	25.2	
6 165	43	802.11ax40	40	Close	F+H	MCS0	10.09	Top	MIMO	99.6	0.000	1.004	-	

MEASUREMENT RESULTS											
Frequency		Mode/ Band	Form Factor	Ant. No.	Frame Averaged	Test Position	Ant. Config.	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
Mhz	Ch.				Conducted Power (dBm)			(W/kg)		(dBm)	(dBm)
2 402	0	DH5	Open	G	18.62	Rear	Bluetooth1	0.229	1.013	25.0	21.7
2 402	0	DH5	Open	G	18.62	Front	Bluetooth1	0.182	1.013	26.0	
2 402	0	DH5	Open	G	18.62	Left	Bluetooth1	0.045	1.013	32.1	
2 402	0	DH5	Open	G	18.62	Top	Bluetooth1	0.488	1.013	21.7	
2 402	0	DH5	Close	G	18.62	Rear	Bluetooth1	0.050	1.013	31.6	
2 402	0	DH5	Close	G	18.62	Front	Bluetooth1	0.208	1.013	25.4	
2 402	0	DH5	Close	G	18.62	Left	Bluetooth1	0.037	1.013	32.9	
2 402	0	DH5	Close	G	18.62	Bottom	Bluetooth1	0.271	1.013	24.3	
2 402	0	DH5	Open	H	19.03	Rear	Bluetooth2	0.064	1.013	31.0	23.2
2 402	0	DH5	Open	H	19.03	Front	Bluetooth2	0.381	1.013	23.2	
2 402	0	DH5	Open	H	19.03	Right	Bluetooth2	0.043	1.013	32.7	
2 402	0	DH5	Open	H	19.03	Top	Bluetooth2	0.227	1.013	25.5	
2 402	0	DH5	Close	H	19.03	Rear	Bluetooth2	0.104	1.013	28.9	
2 402	0	DH5	Close	H	19.03	Front	Bluetooth2	0.159	1.013	27.0	
2 402	0	DH5	Close	H	19.03	Right	Bluetooth2	0.092	1.013	29.4	
2 402	0	DH5	Close	H	19.03	Bottom	Bluetooth2	0.158	1.013	27.0	
2 441	39	DH5	Open	G+H	14.32	Rear	Dual	0.148	1.013	22.6	17.9
2 441	39	DH5	Open	G+H	14.32	Front	Dual	0.161	1.013	22.3	
2 441	39	DH5	Open	G+H	14.32	Left	Dual	0.031	1.013	29.4	
2 441	39	DH5	Open	G+H	14.32	Right	Dual	0.026	1.013	30.2	
2 441	39	DH5	Open	G+H	14.32	Top	Dual	0.441	1.013	17.9	
2 441	39	DH5	Close	G+H	14.32	Rear	Dual	0.040	1.013	28.3	
2 441	39	DH5	Close	G+H	14.32	Front	Dual	0.108	1.013	24.0	
2 441	39	DH5	Close	G+H	14.32	Left	Dual	0.032	1.013	29.3	
2 441	39	DH5	Close	G+H	14.32	Right	Dual	0.031	1.013	29.4	
2 441	39	DH5	Close	G+H	14.32	Bottom	Dual	0.331	1.013	19.1	