

TEST REPORT

Part 0 SAR Test for Characterization

APPLICANT

Samsung Electronics. Co., Ltd.

REPORT NO.

HCT-SR-2404-FC008-R1

DATE OF ISSUE

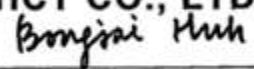
Apr. 29, 2024

Tested by
Moon Pyung, Choi


(signature)

Technical Manager
Yun Jeang, Heo


(signature)

HCT CO., LTD.

BongJai Huh / CEO



HCT CO.,LTD.

2-6, 73, 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA
Tel. +82 31 645 6300 Fax. +82 31 645 6401

TEST REPORT PART 0 SAR Test for certification	REPORT NO. HCT-SR-2404-FC008-R1
	DATE OF ISSUE Apr. 29, 2024
	FCC ID A3LSMF741U

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

Product Name	Mobile Phone
Model Name	SM-F741U
Additional Model Name	SM-F741U1

Date of Test	Feb. 28, 2024 ~ Apr. 24, 2024
--------------	-------------------------------

Location of Test	<input checked="" type="checkbox"/> Permanent Testing Lab <input type="checkbox"/> 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	Apr. 26, 2024	Initial Release
1	Apr. 29, 2024	Revised page 12, 46, 54

Notice

Content

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

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

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

Information provided by the applicant is marked **.

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

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

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

CONTENTS

1. Test Location	5
2. DEVICE UNDER TEST DESCRIPTION	6
3. SAR MEASUREMENTS.....	8
4. SAR CHARAC TERIZATION	10
5. Equipment List.....	11
6. Measurement Uncertainty.....	16
Appendix A: SAR Test Results For P limit CALCULATIONS.....	17

1. Test Location

1.1 Test Laboratory

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

1.2 Test Facilities

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

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

1.3 General Information of the EUT

Model Name	SM-F741U
Additional Model Name	SM-F741U1
Equipment Type	Mobile Phone
FCC ID	A3LSMF741U
Application Type	Certification
Applicant	SAMSUNG Electronics Co., Ltd.

2. DEVICE UNDER TEST DESCRIPTION

This device uses the Qualcomm® Smart Transmit feature to control and manage transmitting power in real time and to ensure the time-averaged RF exposure is in compliance with the FCC requirement at all times for 2G/3G/4G/5G WWAN/WLAN/BT operations. Additionally, this device supports NFC technology, but the output power of this technology is not controlled by the Smart Transmit algorithm.

Device Wireless specification overview		
Band & Mode	Operating Mode	Tx Frequency
GSM850	Voice / Data	824.2 MHz ~ 848.8 MHz
GSM1900	Voice / Data	1850.2 MHz ~ 1909.8 MHz
UMTS Band 2	Voice / Data	1852.4 MHz ~ 1907.6 MHz
UMTS Band 4	Voice / Data	1712.4 MHz ~ 1752.6 MHz
UMTS Band 5	Voice / Data	826.4 MHz ~ 846.6 MHz
LTE FDD Band 2 (PCS)	Voice / Data	1850.7 MHz ~ 1909.3 MHz
LTE FDD Band 4 (AWS)	Voice / Data	1710.7 MHz ~ 1754.3 MHz
LTE FDD Band 5 (Cell)	Voice / Data	824.7 MHz ~ 848.3 MHz
LTE FDD Band 7	Voice / Data	2 502.5 MHz ~ 2 567.5 MHz
LTE FDD Band 12	Voice / Data	699.7 MHz ~ 715.3 MHz
LTE FDD Band 13	Voice / Data	779.5 MHz ~ 784.5 MHz
LTE FDD Band 14	Voice / Data	790.5 MHz ~ 795.5 MHz
LTE FDD Band 25	Voice / Data	1850.7 MHz ~ 1914.3 MHz
LTE FDD Band 26	Voice / Data	814.7 MHz ~ 848.3 MHz
LTE FDD Band 30	Voice / Data	2 307.5 MHz ~ 2 312.5 MHz
LTE TDD Band 38	Voice / Data	2 572.5 MHz ~ 2 617.5 MHz
LTE TDD Band 41	Voice / Data	2 498.5 MHz ~ 2 687.5 MHz
LTE TDD Band 48	Voice / Data	3 552.5 MHz ~ 3 697.5 MHz
LTE FDD Band 66 (AWS)	Voice / Data	1710.7 MHz ~ 1779.3 MHz
LTE FDD Band 71	Voice / Data	665.5 MHz ~ 695.5 MHz
NR FDD Band n2 (PCS)	Voice / Data	1852.5 MHz ~ 1907.5 MHz
NR FDD Band n5	Voice / Data	826.5 MHz ~ 846.5 MHz
NR FDD Band n7	Voice / Data	2 502.5 MHz ~ 2 567.5 MHz
NR FDD Band n12	Voice / Data	701.5 MHz ~ 713.5 MHz
NR FDD Band n25 (PCS)	Voice / Data	1852.5 MHz ~ 1912.5 MHz
NR FDD Band n26	Voice / Data	816.5 MHz ~ 846.5 MHz
NR FDD Band n30	Voice / Data	2 307.5 MHz ~ 2 312.5 MHz
NR TDD Band n38	Voice / Data	2 575 MHz ~ 2 615 MHz
NR TDD Band n41	Voice / Data	2 501.01 MHz ~ 2 685 MHz
NR TDD Band n48	Voice / Data	3 555 MHz ~ 3 695.01 MHz
NR FDD Band n66	Voice / Data	1712.5 MHz ~ 1777.5 MHz
NR FDD Band n70	Voice / Data	1697.5 MHz ~ 1707.5 MHz
NR FDD Band n71	Voice / Data	665.5 MHz ~ 695.5 MHz
NR TDD Band n77	Voice / Data	3 705 MHz ~ 3 975 MHz
NR TDD Band n77 DoD	Voice / Data	3 445.01 MHz ~ 3 544.98 MHz
NR TDD Band n78	Voice / Data	3 705 MHz ~ 3 795 MHz
NR TDD Band n78 DoD	Voice / Data	3 455.01 MHz ~ 3 544.98 MHz
NR Band n258	Data	24 250 MHz ~ 24 450 MHz; 24 750 MHz ~ 25 250 MHz
NR Band n260	Data	37 000 MHz ~ 40 000 MHz
NR Band n261	Data	27 500 MHz ~ 28 350 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	5 925 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 ~ 2 462 MHz
Bluetooth / LE 5.3	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 device is enabled with Qualcomm® GEN 2 Smart Transmit algorithm to control and manage transmitting power in real time and to ensure that the time-averaged RF exposure from 2G/3G/4G/5G NR WWAN and WLAN/BT is in compliance with FCC requirements.

This Part 0 report shows SAR characterization of WWAN radios for 2G/3G/4G and 5G Sub-6 NR and WLAN/BT respectively. Characterization is achieved by determining P_{limit} for 2G/3G/4G and 5G Sub-6 NR and WLAN/BT correspond to the exposure design targets after accounting for all device design related uncertainties, i.e. SAR_{design_target} (< FCC SAR limit) for sub-6 radio. The SAR characterization is denoted as SAR Char in this report. Section 2.3 includes a nomenclature of the specific terms used in this report.

The compliance test under the static transmission scenario and simultaneous transmission analysis are reported in Part 1 report. The validation of the time-averaging algorithm and compliance under the dynamic (time- varying) transmission scenario for WWAN and WLAN/BT technologies are reported in Part 2 report.

2.3 Nomenclature for Part 0 Report

Technology	Term	Description
2G/3G/4G/5G Sub 6 NR /WLAN/BT	P _{limit}	Power level that corresponds to the exposure design target (SAR _{design_target}) after accounting for all device design related uncertainties
	P _{max}	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 P _{limit} 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 (dU) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (r). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body

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

SAR Mathematical Equation

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

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

Where:

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

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

3.2 SAR Measurement Procedure

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

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

Table 3-1

Frequency	Maximum Area Scan Resolution(mm) (Δx_{area} , Δy_{area})	Maximum Zoom Scan Resolution (mm) (Δx_{zoom} , Δy_{zoom})	Maximum Zoom Scan Spatial Resolution (mm)			Minimum Zoom Scan Volume (mm) (x,y,z)
			Uniform Grid	Graded Grid		
				$\Delta z_{zoom}(n)$	$\Delta z_{zoom}(1)^*$	
≤2 GHz	≤15	≤8	≤5	≤4	≤1.5* $\Delta z_{zoom}(n-1)$	≥30
2-3 GHz	≤12	≤5	≤5	≤4	≤1.5* $\Delta z_{zoom}(n-1)$	≥30
3-4 GHz	≤12	≤5	≤4	≤3	≤1.5* $\Delta z_{zoom}(n-1)$	≥28
4-5 GHz	≤10	≤4	≤3	≤2.5	≤1.5* $\Delta z_{zoom}(n-1)$	≥25
5-6 GHz	≤10	≤4	≤2	≤2	≤1.5* $\Delta z_{zoom}(n-1)$	≥22

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

4. SAR CHARACTERIZATION

4.1 DSI and SAR Determination

This device uses different Device State Index (DSI) 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 DSI. 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 device state index (DSI) conditions used in Table 4-1 represent different exposure scenarios.

Table 4-1 DSI and Corresponding Exposure Scenarios

Scenario	Description	SAR Test Cases
Head (DSI = 2)	Device positioned next to head	Head SAR per KDB Publication 648474 D04
BodyWorn Phablet, Earjack (DSI = 0,1,4)	Device is held with hand Device being used with a body-worn accessory Device being used with a Earjack	Phablet SAR per KDB Publication 648474 D04 Body-worn SAR per KDB Publication 648474 D04
Hotspot (DSI = 3)	Device transmits in hotspot mode near body	Hotspot SAR per KDB Publication 941225 D06

4.2 SAR Design Target

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

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

Table 4-2 *SAR_design_target* Calculations

4.3 SAR Characterization

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

Device State Index (DSI)	Plimit Determination Scenarios
0,1,4	The worst-case SAR exposure is determined as maximum SAR normalized to the limit among: 1. Phablet SAR measured at 0 mm 2. Body-Worn SAR at 10mm 4. Earjack SAR at 0,10mm
2	Plimit is calculated based on 1g Head SAR
3	Plimit is calculated based on 1g Hotspot SAR at 10 mm for Folder Open configurations and at 5 mm for Folder Closed configurations

Table 4-3 *Plimit* Determination

Table 4-4 SAR Characterization

Plim values in green indicate Plimit < Pmax			Plim values in grey indicate Plimit > Pmax					Pmax Maximum Tune-up Output Power (Burst Average Power) [dBm]
SAR Exposure Position			Body-worn	Phablet	Head (RCV ON)	Hotspot (Hotspot on)	Earjack	
Averaging volume separation Distance			1g	10g	1g	1g	1g/10g	
Mode	Band	Antenna	10 mm DSI=0	0mm DSI=1	0 mm DSI=2	10/5 mm DSI=3	10/0 mm DSI=4	
GSM/GPRS/EDGE	850	ANT A	24.8		31.3	19.3	24.8	26.0
GSM/GPRS/EDGE	1900	ANT A	17.3		37.7	15.6	22.5	23.5
UMTS	2	ANT A	20.0		20.9	15.5	20.0	21.5
UMTS	4	ANT A	20.0		21.4	17.5	20.0	22.0
UMTS	5	ANT A	25.8		22.4	21.5	29.5	23.0
LTE FDD	25(2)	ANT A	20.3		33.9	15.3	20.3	22.3
LTE FDD	25(2)	ANT I	20.5		15.0	15.5	20.5	24.0
LTE FDD	66(4)	ANT A	19.8		33.0	16.8	19.8	22.8
LTE FDD	66(4)	ANT I	20.5		16.5	16.5	20.5	24.5
LTE FDD	7	ANT B	19.0		36.8	16.5	19.0	21.3
LTE FDD	7	ANT I	20.5		15.0	18.5	20.5	24.0
LTE FDD	12	ANT A	22.0		31.4	22.0	22.0	23.5
LTE FDD	13	ANT A	22.0		30.8	22.0	22.0	23.3
LTE FDD	14	ANT A	26.3		30.3	24.6	28.9	23.0
LTE FDD	26(5)	ANT A	27.1		30.4	22.5	28.7	23.5
LTE FDD	30	ANT I	21.0		14.5	17.5	21.0	23.0
LTE FDD	30	ANT B	19.0		35.4	14.0	19.0	20.5
LTE TDD PC3	41(38)	ANT B	21.5		39.1	15.0	21.5	21.0
LTE TDD PC3	41(38)	ANT I	20.5		13.8	16.5	20.5	24.0
LTE TDD PC2	41	ANT B	19.5		39.2	15.0	19.5	24.0
LTE TDD PC2	41	ANT I	20.5		13.8	16.5	20.5	25.5
LTE TDD PC3	48	ANT F	19.0		13.5	15.5	19.0	23.0
LTE FDD	71	ANT A	28.2		40.6	26.4	28.2	24.0
NR FDD	25(2)	ANT A	20.3		34.5	15.3	20.3	22.0
NR FDD	25(2)	ANT I	21.0		15.5	16.0	21.0	24.0
NR FDD	7	ANT B	19.0		33.3	16.5	19.0	21.0
NR FDD	7	ANT I	20.5		15.0	18.5	20.5	23.5
NR FDD	12	ANT A	22.0		31.5	22.0	22.0	23.5
NR FDD	26(5)	ANT A	27.2		30.7	22.5	28.9	23.5
NR FDD	30	ANT I	21.0		14.5	17.5	21.0	23.0
NR FDD	30	ANT B	19.0		35.8	14.0	19.0	21.0
NR TDD	38	ANT B	21.2		34.7	17.5	21.2	21.0
NR TDD SRS 1 PC2	41	ANT I	21.0		14.3	17.0	21.0	27.0
NR TDD SRS 2	41	ANT B	16.0		11.2	13.5	16.0	22.0
NR TDD SRS 3	41	ANT F	18.0		13.2	15.5	18.0	25.5
NR TDD SRS 4	41	ANT C	12.5		7.7	10.0	12.5	20.0
NR TDD SRS 1 PC3	48	ANT F	19.5		14.0	16.0	19.5	23.5
NR TDD SRS 2	48	ANT I	19.5		14.0	16.0	19.5	23.5
NR TDD SRS 3	48	ANT E	19.5		14.0	16.0	19.5	23.5
NR TDD SRS 4	48	ANT C	13.0		7.5	9.5	13.0	17.0
NR FDD	66	ANT A	20.3		35.5	17.3	20.3	22.5
NR FDD	66	ANT I	20.5		17.0	17.0	20.5	24.7
NR FDD	70	ANT A	20.0		38.4	17.5	20.0	22.5
NR FDD	70	ANT I	21.0		17.0	17.0	21.0	24.5
NR FDD	71	ANT A	28.5		32.1	27.3	28.5	24.0
NR TDD SRS 1 PC2	77	ANT F	18.5		14.0	16.5	18.5	26.0
NR TDD SRS 2	77/78	ANT I	18.5		14.0	16.5	18.5	26.0
NR TDD SRS 3	77/78	ANT E	18.5		14.0	16.5	18.5	26.0
NR TDD SRS 4	77/78	ANT C	12.0		7.5	10.0	12.0	16.5
NR TDD SRS 1 PC2	77 DoD	ANT F	18.5		14.0	16.5	18.5	26.0
NR TDD SRS 2	77/78 DoD	ANT I	18.5		14.0	16.5	18.5	26.0
NR TDD SRS 3	77/78 DoD	ANT E	18.5		14.0	16.5	18.5	26.0
NR TDD SRS 4	77/78 DoD	ANT C	12.0		7.5	10.0	12.0	16.5
WLAN	2.4	ANT F	19.9		20.2	22.1	19.9	18.0
WLAN	2.4	ANT H	23.1		20.1	23.0	23.1	18.0
WLAN	5	ANT F	17.8		16.3	16.6	17.8	15.0
WLAN	5	ANT H	22.8		19.7	22.7	22.8	15.0
WLAN	6	ANT F	20.9		15.0	N/A	20.9	10.0
WLAN	6	ANT H	25.3		18.7	N/A	25.3	10.0
BT	2.4	ANT F	23.1		20.3	21.4	23.1	18.0
BT	2.4	ANT H	23.0		19.1	N/A	23.0	17.0

Note:

1. Compared with the Plimt (Tune up Powers) declared in each DSI by the manufacturer and the plimt (calculation) calculated by the SAR measurement of each DSI, the lower power were applied to the plimit at each DSI configurations.
2. When $P_{max} < Plimit$, the DUT will operate at a power level φ to P_{max} .
3. Maximum Tune up Power, P_{max} : Is configured in NV settings in EUT to limit maximum transmitting power. This power is converted into peak power in NV setting for TDD schemes.(GPRS, LTE TDD and WLAN/BT)

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	F13/ 5SD0A1/ C/ 01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F07/56W9A1/C/01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F11/ 5K3RA1/ C/ 01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX60	F10/5FN3A1/C/01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F17/ 59RAA1/ C/ 01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F13/ 5R4XF1/ C/ 01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F07/55B8A1/C/01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F17/ 59CHA1/ C/ 01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F12/ 5K9GA1/ C/ 01	N/A	N/A	N/A
Staubli	TX90 XLspeag	F13/ 5SD0A1/ A/ 01	N/A	N/A	N/A
Staubli	TX90 XLspeag	F07/56W9A1/A/01	N/A	N/A	N/A
Staubli	TX90 XLspeag	F11/ 5K3RA1/ A/ 01	N/A	N/A	N/A
Staubli	TX60 Lspeag	F10/5FN3A1/A/01	N/A	N/A	N/A
Staubli	TX90 XLspeag	F17/ 59RAA1/ A/ 01	N/A	N/A	N/A
Staubli	TX90 XLspeag	F13/ 5R4XF1/ A/ 01	N/A	N/A	N/A
Staubli	TX90 XLspeag	F07/55B8A1/A/01	N/A	N/A	N/A
Staubli	TX90 XLspeag	F17/ 59CHA1/ A/ 01	N/A	N/A	N/A
Staubli	TX90 XLspeag	F12/ 5K9GA1/ A/ 01	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	001729	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	S-0602	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	S-1203 0309	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	D21142602	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	011578	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	S-1338 1332	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	S-0306	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	010963	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	S-1206 0513	N/A	N/A	N/A
TESTO	608-H1/Thermometer	83348029	03/20/2024	Annual	03/20/2025
TESTO	608-H1/Thermometer	83406789	06/29/2023	Annual	06/29/2024
TESTO	175-H1/Thermometer	40331936309	12/26/2023	Annual	12/26/2024
TESTO	608-H1/Thermometer	2183499992	11/29/2023	Annual	11/29/2024
TESTO	175-H1/Thermometer	40331922309	12/26/2023	Annual	12/26/2024
TESTO	175-H1/Thermometer	40332651310	12/26/2023	Annual	12/26/2024
TESTO	608-H1/Thermometer	83348021	03/20/2024	Annual	03/20/2025
TESTO	175-H1/Thermometer	40331915309	12/26/2023	Annual	12/26/2024
TESTO	175-H1/Thermometer	40331939309	12/26/2023	Annual	12/26/2024
SPEAG	DAE4	648	04/25/2023	Annual	04/25/2024
SPEAG	DAE4	1686	05/23/2023	Annual	05/23/2024
SPEAG	DAE4	652	01/17/2024	Annual	01/17/2025
SPEAG	DAE4	1720	04/24/2023	Annual	04/24/2024
SPEAG	DAE4	1225	02/15/2024	Annual	02/15/2025
SPEAG	DAE4	1629	08/21/2023	Annual	08/21/2024
SPEAG	DAE4	780	07/04/2023	Annual	07/04/2024
SPEAG	DAE4	1417	02/16/2024	Annual	02/16/2025
SPEAG	DAE4	1687	07/18/2023	Annual	07/18/2024
SPEAG	DAE4	446	11/16/2023	Annual	11/16/2024
SPEAG	DAE4	869	03/15/2024	Annual	03/15/2025

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
SPEAG	E-Field Probe EX3DV4	7681	11/27/2023	Annual	11/27/2024
SPEAG	E-Field Probe EX3DV4	7702	01/22/2024	Annual	01/22/2025
SPEAG	E-Field Probe EX3DV4	7680	05/24/2023	Annual	05/24/2024
SPEAG	E-Field Probe EX3DV4	7654	05/24/2023	Annual	05/24/2024
SPEAG	E-Field Probe EX3DV4	7622	11/24/2023	Annual	11/24/2024
SPEAG	E-Field Probe EX3DV4	7370	08/24/2023	Annual	08/24/2024
SPEAG	E-Field Probe EX3DV4	7679	08/24/2023	Annual	08/24/2024
SPEAG	E-Field Probe EX3DV4	3903	07/19/2023	Annual	07/19/2024
SPEAG	E-Field Probe EX3DV4	3797	01/23/2024	Annual	01/23/2025
SPEAG	E-Field Probe EX3DV4	7751	10/06/2023	Annual	10/06/2024
SPEAG	E-Field Probe ES3DV3	3076	07/18/2023	Annual	07/18/2024
SPEAG	CLA13	1016	09/21/2023	Annual	09/21/2024
SPEAG	Dipole D750V3	1014	05/23/2023	Annual	05/23/2024
SPEAG	Dipole D835V2	4d165	05/23/2023	Annual	05/23/2024
SPEAG	Dipole D1640V2	345	07/12/2023	Annual	07/12/2024
SPEAG	Dipole D1800V2	2d015	05/17/2023	Annual	05/17/2024
SPEAG	Dipole D1900V2	5d032	01/18/2024	Annual	01/23/2025
SPEAG	Dipole D2300V2	1010	07/19/2023	Annual	07/19/2024
SPEAG	Dipole D2450V2	1049	04/25/2023	Annual	04/25/2024
SPEAG	Dipole D2450V2	743	03/14/2024	Annual	03/14/2025
SPEAG	Dipole D2600V2	1106	05/24/2023	Annual	05/24/2024
SPEAG	Dipole D3500V2	1132	01/23/2024	Annual	01/23/2025
SPEAG	Dipole D3700V2	1066	11/20/2023	Annual	11/20/2024
SPEAG	Dipole D3900V2	1019	05/19/2023	Annual	05/19/2024
SPEAG	Dipole D5GHzV2	1317	05/17/2023	Annual	05/17/2024
Agilent	Power Meter E4419B	MY41291386	09/21/2023	Annual	09/21/2024
Agilent	Power Meter N1911A	MY45101406	05/26/2023	Annual	05/26/2024
Agilent	Power Sensor 8481A	SG1091286	09/21/2023	Annual	09/21/2024
H.P	Power Sensor 8481A	MY41090675	09/21/2023	Annual	09/21/2024
Agilent	Wideband Power Sensor N1921A	MY55220026	07/28/2023	Annual	07/28/2024
Agilent	11636B/Power Divider	58698	01/15/2024	Annual	01/15/2025
SPEAG	DAKS 3.5	1038	01/22/2024	Annual	01/22/2025
SPEAG	Vector Reflectometer	050813	04/26/2023	Annual	04/26/2024
SPEAG	MXA Signal Analyzer	MY49100108	01/09/2024	Annual	01/09/2025
H.P	Network Analyzer /8753ES	JP39240221	12/26/2023	Annual	12/26/2024
Protek	NETWORK ANALYZER	X11-15305	02/15/2024	Annual	02/15/2025
Agilent	WIRELESS COMMUNICATION E5515C	MY48361100	09/21/2023	Annual	09/21/2024
Agilent	WIRELESS COMMUNICATION E5515C	MY48360252	07/27/2023	Annual	07/27/2024
R&S	Wireless Communication Test Set CMW500	115733	03/19/2024	Annual	03/19/2025
R&S	Wireless Communication Test Set CMW500	139333	12/13/2023	Annual	12/13/2024
Agilent	SIGNAL GENERATOR N5182A	MY47070230	03/19/2024	Annual	03/19/2025
Keysight	PSG Vector Signal Generator	MY50350097	03/05/2024	Annual	03/05/2025
EMPOWER	RF Power Amplifier	1084	05/26/2023	Annual	05/26/2024
EMPOWER	RF Power Amplifier	1041D/C0508	05/26/2023	Annual	05/26/2024
EMPOWER	RF Power Amplifier	1011	09/21/2023	Annual	09/21/2024
MICRO LAB	LP Filter / LA-15N	10453	09/21/2023	Annual	09/21/2024
MICRO LAB	LP Filter / LA-30N	-	09/21/2023	Annual	09/21/2024
MICRO LAB	LP Filter / LA-60N	32011	09/21/2023	Annual	09/21/2024
Agilent	Attenuator (3dB) 8693B	MY39260298	08/22/2023	Annual	08/22/2024
HP	Attenuator (3dB) 33340A	02427	08/22/2023	Annual	08/22/2024
HP	Attenuator (20dB) 8493C	09271	08/22/2023	Annual	08/22/2024
Agilent	Directional Bridge 86205A	3140A04581	04/25/2023	Annual	04/25/2024

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
OSI	Power Divider	#1	05/26/2023	Annual	05/26/2024
OSI	Power Divider	#2	05/26/2023	Annual	05/26/2024
OSI	Power Divider	#3	05/26/2023	Annual	05/26/2024
OSI	Power Divider	#4	05/26/2023	Annual	05/26/2024
OSI	Power Divider	#5	05/26/2023	Annual	05/26/2024
OSI	Power Divider	#6	05/26/2023	Annual	05/26/2024
OSI	Power Divider	#7	05/26/2023	Annual	05/26/2024
OSI	Power Divider	#8	05/26/2023	Annual	05/26/2024
Agilent	MXA Signal Analyzer N9020A	MY50510407	06/07/2023	Annual	06/07/2024
HP	Dual Directional Coupler	16072	09/21/2023	Annual	09/21/2024
Anritsu	Radio Communication Test Station MT8000A	6261987928	01/18/2024	Annual	01/18/2025
Anritsu	Radio Communication Test Station MT8000A	6262036812	11/28/2023	Annual	11/28/2024
Anritsu	Radio Communication Test Station MT8000A	6262148305	12/21/2023	Annual	12/21/2024
Anritsu	Radio Communication Test Station MT8000A	6261967108	04/25/2023	Annual	04/25/2024
Anritsu	Radio Communication Tester MT8820C	6201074225	01/17/2024	Annual	01/17/2025
Anritsu	Radio Communication Tester MT8820C	6200695605	03/19/2024	Annual	03/19/2025
Anritsu	Radio Communication Tester MT8821C	6201502997	05/26/2023	Annual	05/26/2024
Anritsu	Radio Communication Tester MT8821C	6262044720	11/28/2023	Annual	11/28/2024
Anritsu	Radio Communication Tester MT8821C	6201664725	01/17/2024	Annual	01/17/2025
Agilent	WIRELESS COMMUNICATION E5515C	MY50260992	05/26/2023	Annual	05/26/2024
ROHDE&SCHWARZ	BLUETOOTH TESTER CBT	100272	01/16/2024	Annual	01/16/2025

* 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 DSI = 2 *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)	(dBm)	Plimit
				(dBm)			(W/kg)	(dBm)	(dBm)	
836.6	190	GSM 850	GPRS 4Tx	A	23.07	Left Cheek	1:2.07	0.130	31.9	31.3
836.6	190	GSM 850		A	23.07	Left Tilt	1:2.07	0.067	34.8	
836.6	190	GSM 850		A	23.07	Right Cheek	1:2.07	0.150	31.3	
836.6	190	GSM 850		A	23.07	Right Tilt	1:2.07	0.063	35.1	
1 880	661	GSM 1900	GPRS 4Tx	A	20.30	Left Cheek	1:2.07	0.018	37.7	37.7
1 880	661	GSM 1900		A	20.30	Left Tilt	1:2.07	0.00679	41.8	
1 880	661	GSM 1900		A	20.30	Right Cheek	1:2.07	0.014	38.8	
1 880	661	GSM 1900		A	20.30	Right Tilt	1:2.07	0.017	38.0	
836.6	4183	UMTS Band 5	RMC	A	22.61	Left Cheek	1:1	0.155	30.7	29.7
836.6	4183	UMTS Band 5	RMC	A	22.61	Left Tilt	1:1	0.097	32.7	
836.6	4183	UMTS Band 5	RMC	A	22.61	Right Cheek	1:1	0.197	29.7	
836.6	4183	UMTS Band 5	RMC	A	22.61	Right Tilt	1:1	0.091	33.0	
1 732.4	1412	UMTS Band 4	RMC	A	21.63	Left Cheek	1:1	0.054	34.3	34.3
1 732.4	1412	UMTS Band 4	RMC	A	21.63	Left Tilt	1:1	0.024	37.8	
1 732.4	1412	UMTS Band 4	RMC	A	21.63	Right Cheek	1:1	0.048	34.8	
1 732.4	1412	UMTS Band 4	RMC	A	21.63	Right Tilt	1:1	0.027	37.3	
1 880	9400	UMTS Band 2	RMC	A	21.09	Left Cheek	1:1	0.052	33.9	33.9
1 880	9400	UMTS Band 2	RMC	A	21.09	Left Tilt	1:1	0.011	40.7	
1 880	9400	UMTS Band 2	RMC	A	21.09	Right Cheek	1:1	0.015	39.3	
1 880	9400	UMTS Band 2	RMC	A	21.09	Right Tilt	1:1	0.017	38.8	

Table A-2 DSI = 2 *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)
2 510	20850	LTE Band 7	Low	B	20	22.00	Left Cheek	0	1	0	1:1	0.033	36.8	36.8		
2 510	20850	LTE Band 7	Low	B	20	22.00	Left Tilt	0	1	0	1:1	0.001	52.0		36.8	
2 510	20850	LTE Band 7	Low	B	20	22.00	Right Cheek	0	1	0	1:1	0.021	38.8			36.8
2 510	20850	LTE Band 7	Low	B	20	22.00	Right Tilt	0	1	0	1:1	0.029	37.4			
2 535	21100	LTE Band 7	Mid	I	20	14.54	Left Cheek	0	1	0	1:1	0.641	16.5	16.5		
2 535	21100	LTE Band 7	Mid	I	20	14.54	Left Tilt	0	1	0	1:1	0.108	24.2		16.5	
2 535	21100	LTE Band 7	Mid	I	20	14.54	Right Cheek	0	1	0	1:1	0.153	22.7			16.5
2 535	21100	LTE Band 7	Mid	I	20	14.54	Right Tilt	0	1	0	1:1	0.031	29.6			
707.5	23095	LTE Band 12	Mid	A	10	23.85	Left Cheek	0	1	0	1:1	0.153	32.0	31.4		
707.5	23095	LTE Band 12	Mid	A	10	23.85	Left Tilt	0	1	0	1:1	0.093	34.2		31.4	
707.5	23095	LTE Band 12	Mid	A	10	23.85	Right Cheek	0	1	0	1:1	0.176	31.4			31.4
707.5	23095	LTE Band 12	Mid	A	10	23.85	Right Tilt	0	1	0	1:1	0.108	33.5			
782	23230	LTE Band 13	Mid	A	10	23.49	Left Cheek	0	1	24	1:1	0.161	31.4	30.8		
782	23230	LTE Band 13	Mid	A	10	23.49	Left Tilt	0	1	24	1:1	0.107	33.2		30.8	
782	23230	LTE Band 13	Mid	A	10	23.49	Right Cheek	0	1	24	1:1	0.185	30.8			30.8
782	23230	LTE Band 13	Mid	A	10	23.49	Right Tilt	0	1	24	1:1	0.101	33.4			
793	23330	LTE Band 14	Mid	A	10	23.17	Left Cheek	0	1	0	1:1	0.142	31.6	30.3		
793	23330	LTE Band 14	Mid	A	10	23.17	Left Tilt	0	1	0	1:1	0.095	33.4		30.3	
793	23330	LTE Band 14	Mid	A	10	23.17	Right Cheek	0	1	0	1:1	0.194	30.3			30.3
793	23330	LTE Band 14	Mid	A	10	23.17	Right Tilt	0	1	0	1:1	0.095	33.4			
1 905	26590	LTE Band 25	High	A	20	22.71	Left Cheek	0	1	0	1:1	0.076	33.9	33.9		
1 905	26590	LTE Band 25	High	A	20	22.71	Left Tilt	0	1	0	1:1	0.023	39.1		33.9	
1 905	26590	LTE Band 25	High	A	20	22.71	Right Cheek	0	1	0	1:1	0.022	39.3			33.9
1 905	26590	LTE Band 25	High	A	20	22.71	Right Tilt	0	1	0	1:1	0.019	39.9			
1 905	26590	LTE Band 25	High	I	20	15.39	Left Cheek	0	1	0	1:1	0.524	18.2	18.2		
1 905	26590	LTE Band 25	High	I	20	15.39	Left Tilt	0	1	0	1:1	0.100	25.4		18.2	
1 905	26590	LTE Band 25	High	I	20	15.39	Right Cheek	0	1	0	1:1	0.217	22.0			18.2
1 905	26590	LTE Band 25	High	I	20	15.39	Right Tilt	0	1	0	1:1	0.042	29.2			
831.5	26865	LTE Band 26	Mid	A	15	23.87	Left Cheek	0	1	36	1:1	0.180	31.3	30.4		
831.5	26865	LTE Band 26	Mid	A	15	23.87	Left Tilt	0	1	36	1:1	0.115	33.3		30.4	
831.5	26865	LTE Band 26	Mid	A	15	23.87	Right Cheek	0	1	36	1:1	0.221	30.4			30.4
831.5	26865	LTE Band 26	Mid	A	15	23.87	Right Tilt	0	1	36	1:1	0.108	33.5			
2 310	27710	LTE Band 30	Mid	B	10	20.69	Left Cheek	0	1	0	1:1	0.033	35.5	35.4		
2 310	27710	LTE Band 30	Mid	B	10	20.69	Left Tilt	0	1	0	1:1	0.00908	41.1		35.4	
2 310	27710	LTE Band 30	Mid	B	10	20.69	Right Cheek	0	1	0	1:1	0.023	37.1			35.4
2 310	27710	LTE Band 30	Mid	B	10	20.69	Right Tilt	0	1	0	1:1	0.034	35.4			
2 310	27710	LTE Band 30	Mid	I	10	14.34	Left Cheek	0	1	0	1:1	0.719	15.8	15.8		
2 310	27710	LTE Band 30	Mid	I	10	14.34	Left Tilt	0	1	0	1:1	0.118	23.6		15.8	
2 310	27710	LTE Band 30	Mid	I	10	14.34	Right Cheek	0	1	0	1:1	0.169	22.1			15.8
2 310	27710	LTE Band 30	Mid	I	10	14.34	Right Tilt	0	1	0	1:1	0.039	28.4			

MEASUREMENT RESULTS

Frequency		Mode		Ant.	Band width (dBm)	Frame Averaged Conducted Power (dBm)	Test Position	MPR (dB)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g) (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Mhz	Ch.													
2 506	39750	LTE Band41(PC3)	Low	B	20	19.15	Left Cheek	0	1	0	1:1.58	0	N/A	39.1
2 506	39750	LTE Band41(PC3)	Low	B	20	19.15	Left Tilt	0	1	0	1:1.58	0	N/A	
2 506	39750	LTE Band41(PC3)	Low	B	20	19.15	Right Cheek	0	1	0	1:1.58	0.00975	39.1	
2 506	39750	LTE Band41(PC3)	Low	B	20	19.15	Right Tilt	0	1	0	1:1.58	0.0053	42.2	
2 506	39750	LTE Band41(PC2)	Low	B	20	20.71	Right Cheek	0	1	0	1:2.31	0.014	3920	39.2
2 593	40620	LTE Band41(PC3)	Mid	I	20	14.02	Left Cheek	0	1	49	1:1.58	0.610	16.2	16.2
2 636.5	41055	LTE Band41(PC3)	Mid-High	I	20	14.20	Left Tilt	0	1	0	1:1.58	0.095	24.4	
2 680	41490	LTE Band41(PC3)	High	I	20	14.30	Right Cheek	0	50	25	1:1.58	0.166	22.1	
2 680	41490	LTE Band41(PC3)	High	I	20	14.30	Right Tilt	0	50	25	1:1.58	0.031	29.4	
2 593	40620	LTE Band41(PC2)	Mid	I	20	13.79	Right Tilt	0	1	49	1:2.31	0.615	15.9	15.9
3 560	55340	LTE Band 48	Low	F	20	14.13	Left Cheek	0	1	99	1:1.58	0.123	23.2	17.4
3 560	55340	LTE Band 48	Low	F	20	14.13	Left Tilt	0	1	99	1:1.58	0.130	23.0	
3 560	55340	LTE Band 48	Low	F	20	14.13	Right Cheek	0	1	99	1:1.58	0.471	17.4	
3 560	55340	LTE Band 48	Low	F	20	14.13	Right Tilt	0	1	99	1:1.58	0.341	18.8	
1 745	132322	LTE Band 66	Mid	A	20	23.48	Left Cheek	0	1	99	1:1	0.111	33.0	33.0
1 745	132322	LTE Band 66	Mid	A	20	23.48	Left Tilt	0	1	99	1:1	0.026	39.3	
1 745	132322	LTE Band 66	Mid	A	20	23.48	Right Cheek	0	1	99	1:1	0.054	36.2	
1 745	132322	LTE Band 66	Mid	A	20	23.48	Right Tilt	0	1	99	1:1	0.018	40.9	
1 770	132572	LTE Band 66	High	I	20	17.31	Left Cheek	0	1	0	1:1	0.707	18.8	18.8
1 770	132572	LTE Band 66	High	I	20	17.31	Left Tilt	0	1	0	1:1	0.141	25.8	
1 770	132572	LTE Band 66	High	I	20	17.31	Right Cheek	0	1	0	1:1	0.430	21.0	
1 770	132572	LTE Band 66	High	I	20	17.31	Right Tilt	0	1	0	1:1	0.084	28.1	
680.5	133297	LTE Band 71	Mid	A	20	24.01	Left Cheek	0	1	99	1:1	0.019	41.2	40.6
680.5	133297	LTE Band 71	Mid	A	20	24.01	Left Tilt	0	1	99	1:1	0.008	45.0	
680.5	133297	LTE Band 71	Mid	A	20	24.01	Right Cheek	0	1	99	1:1	0.022	40.6	
680.5	133297	LTE Band 71	Mid	A	20	24.01	Right Tilt	0	1	99	1:1	0.011	43.6	

Table A-3 DSI = 2 *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.														
2 535	507000	NR Band n7	Mid	B	40	21.53	Left Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.067	33.3	33.3
2 535	507000	NR Band n7	Mid	B	40	21.53	Left Tilt	DFT-s-OFDM QPSK	0	1	108	1:1	0.027	37.2	
2 535	507000	NR Band n7	Mid	B	40	21.53	Right Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.036	36.0	
2 535	507000	NR Band n7	Mid	B	40	21.53	Right Tilt	DFT-s-OFDM QPSK	0	1	108	1:1	0.035	36.1	
2 535	507000	NR Band n7	Mid	I	40	15.76	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.703	17.3	17.3
2 535	507000	NR Band n7	Mid	I	40	15.76	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.132	24.6	
2 535	507000	NR Band n7	Mid	I	40	15.76	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.170	23.5	
2 535	507000	NR Band n7	Mid	I	40	15.76	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.044	29.3	
707.5	141500	NR Band n12	Mid	A	15	24.23	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.189	31.5	31.5
707.5	141500	NR Band n12	Mid	A	15	24.23	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.114	33.7	
707.5	141500	NR Band n12	Mid	A	15	24.23	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.152	32.4	
707.5	141500	NR Band n12	Mid	A	15	24.23	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.111	33.8	
1 882.5	376500	NR Band n25	Mid	A	40	22.59	Left Cheek	DFT-s-OFDM QPSK	0	1	214	1:1	0.065	34.5	34.5
1 882.5	376500	NR Band n25	Mid	A	40	22.59	Left Tilt	DFT-s-OFDM QPSK	0	1	214	1:1	0.027	38.3	
1 882.5	376500	NR Band n25	Mid	A	40	22.59	Right Cheek	DFT-s-OFDM QPSK	0	1	214	1:1	0.016	40.5	
1 882.5	376500	NR Band n25	Mid	A	40	22.59	Right Tilt	DFT-s-OFDM QPSK	0	1	214	1:1	0.018	40.0	
1 882.5	376500	NR Band n25	Mid	I	40	15.76	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.550	18.4	18.4
1 882.5	376500	NR Band n25	Mid	I	40	15.76	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.094	26.0	
1 882.5	376500	NR Band n25	Mid	I	40	15.76	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.225	22.2	
1 882.5	376500	NR Band n25	Mid	I	40	15.76	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.053	28.5	
831.5	166300	NR Band n26	Mid	A	20	23.63	Left Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.150	31.9	30.7
831.5	166300	NR Band n26	Mid	A	20	23.63	Left Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.00786	44.6	
831.5	166300	NR Band n26	Mid	A	20	23.63	Right Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.197	30.7	
831.5	166300	NR Band n26	Mid	A	20	23.63	Right Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.09	34.1	
2 310	462000	NR Band n30	Mid	B	10	21.69	Left Cheek	DFT-s-OFDM QPSK	0	1	26	1:1	0.039	35.8	35.8
2 310	462000	NR Band n30	Mid	B	10	21.69	Left Tilt	DFT-s-OFDM QPSK	0	1	26	1:1	0.00658	43.2	
2 310	462000	NR Band n30	Mid	B	10	21.69	Right Cheek	DFT-s-OFDM QPSK	0	1	26	1:1	0.029	37.1	
2 310	462000	NR Band n30	Mid	B	10	21.69	Right Tilt	DFT-s-OFDM QPSK	0	1	26	1:1	0.013	40.6	
2 310	462000	NR Band n30	Mid	I	10	14.63	Left Cheek	DFT-s-OFDM QPSK	0	1	26	1:1	0.731	16.0	16.0
2 310	462000	NR Band n30	Mid	I	10	14.63	Left Tilt	DFT-s-OFDM QPSK	0	1	26	1:1	0.115	24.0	
2 310	462000	NR Band n30	Mid	I	10	14.63	Right Cheek	DFT-s-OFDM QPSK	0	1	26	1:1	0.138	23.2	
2 310	462000	NR Band n30	Mid	I	10	14.63	Right Tilt	DFT-s-OFDM QPSK	0	1	26	1:1	0.036	29.1	
2 595	519000	NR Band n38	Mid	B	40	21.06	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.043	34.7	34.7
2 595	519000	NR Band n38	Mid	B	40	20.87	Left Tilt	DFT-s-OFDM QPSK	0	50	28	1:1	0.019	38.1	
2 595	519000	NR Band n38	Mid	B	40	21.06	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.027	36.7	
2 595	519000	NR Band n38	Mid	B	40	20.87	Right Tilt	DFT-s-OFDM QPSK	0	50	28	1:1	0.029	36.2	

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)
2 592.99	518598	NR Band n41(PC2)	Mid	I	100	14.92	Left Cheek	CP-OFDM QPSK	0	1	1	1:1	0.799	15.9	15.9
2 592.99	518598	NR Band n41(PC2)	Mid	I	100	15.02	Left Tilt	DFT-s-OFDM QPSK	0	1	271	1:1	0.130	23.9	
2 592.99	518598	NR Band n41(PC2)	Mid	I	100	15.02	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.229	21.4	
2 592.99	518598	NR Band n41(PC2)	Mid	I	100	14.93	Right Tilt	DFT-s-OFDM QPSK	0	135	69	1:1	0.043	28.6	
2 592.99	518598	NR Band n41 SRS2	Mid	B	100	10.81	Left Cheek	CW	0	-	-	1:1	0	N/A	N/A
2 592.99	518598	NR Band n41 SRS2	Mid	B	100	10.81	Left Tilt	CW	0	-	-	1:1	0	N/A	
2 592.99	518598	NR Band n41 SRS2	Mid	B	100	10.81	Right Cheek	CW	0	-	-	1:1	0	N/A	
2 592.99	518598	NR Band n41 SRS2	Mid	B	100	10.81	Right Tilt	CW	0	-	-	1:1	0	N/A	
2 592.99	518598	NR Band n41 SRS3	Mid	F	100	13.03	Left Cheek	CW	0	-	-	1:1	0.049	26.1	21.1
2 592.99	518598	NR Band n41 SRS3	Mid	F	100	13.03	Left Tilt	CW	0	-	-	1:1	0.026	28.9	
2 592.99	518598	NR Band n41 SRS3	Mid	F	100	13.03	Right Cheek	CW	0	-	-	1:1	0.156	21.1	
2 592.99	518598	NR Band n41 SRS3	Mid	F	100	13.03	Right Tilt	CW	0	-	-	1:1	0.087	23.6	
2 592.99	518598	NR Band n41 SRS4	Mid	C	100	8.18	Left Cheek	CW	0	-	-	1:1	0	N/A	N/A
2 592.99	518598	NR Band n41 SRS4	Mid	C	100	8.18	Left Tilt	CW	0	-	-	1:1	0	N/A	
2 592.99	518598	NR Band n41 SRS4	Mid	C	100	8.18	Right Cheek	CW	0	-	-	1:1	0	N/A	
2 592.99	518598	NR Band n41 SRS4	Mid	C	100	8.18	Right Tilt	CW	0	-	-	1:1	0	N/A	
3 624.99	641666	NR Band 48	Mid	F	40	13.96	Left Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.091	24.4	15.0
3 624.99	641666	NR Band 48	Mid	F	40	14.06	Left Tilt	DFT-s-OFDM QPSK	0	50	28	1:1	0.097	24.2	
3 570	638000	NR Band 48	Low	F	40	14.03	Right Cheek	DFT-s-OFDM QPSK	0	50	56	1:1	0.794	15.0	
3 570	638000	NR Band 48	Low	F	40	13.91	Right Tilt	DFT-s-OFDM QPSK	0	1	104	1:1	0.695	15.5	19.8
3 570	638000	NR Band 48	Low	I	40	14.54	Left Cheek	CW	0	-	-	1:1	0.295	19.8	
3 570	638000	NR Band 48	Low	I	40	14.54	Left Tilt	CW	0	-	-	1:1	0.062	26.6	
3 570	638000	NR Band 48	Low	I	40	14.54	Right Cheek	CW	0	-	-	1:1	0.135	23.2	
3 570	638000	NR Band 48	Low	I	40	14.54	Right Tilt	CW	0	-	-	1:1	0.011	34.1	
3 570	638000	NR Band 48 SRS3	Low	E	40	14.61	Left Cheek	CW	0	-	-	1:1	0.219	21.2	21.2
3 570	638000	NR Band 48 SRS3	Low	E	40	14.61	Left Tilt	CW	0	-	-	1:1	0.014	33.1	
3 570	638000	NR Band 48 SRS3	Low	E	40	14.61	Right Cheek	CW	0	-	-	1:1	0.215	21.3	
3 570	638000	NR Band 48 SRS3	Low	E	40	14.61	Right Tilt	CW	0	-	-	1:1	0.011	34.2	
3 570	638000	NR Band 48 SRS4	Low	C	40	8.37	Left Cheek	CW	0	-	-	1:1	0.012	27.6	27.6
3 570	638000	NR Band 48 SRS4	Low	C	40	8.37	Left Tilt	CW	0	-	-	1:1	0	N/A	
3 570	638000	NR Band 48 SRS4	Low	C	40	8.37	Right Cheek	CW	0	-	-	1:1	0	N/A	
3 570	638000	NR Band 48 SRS4	Low	C	40	8.37	Right Tilt	CW	0	-	-	1:1	0	N/A	
1 745	349000	NR Band 66	Mid	A	40	22.94	Left Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.056	35.5	35.5
1 745	349000	NR Band 66	Mid	A	40	22.94	Left Tilt	DFT-s-OFDM QPSK	0	1	108	1:1	0.028	38.5	
1 745	349000	NR Band 66	Mid	A	40	22.94	Right Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.052	35.8	
1 745	349000	NR Band 66	Mid	A	40	22.94	Right Tilt	DFT-s-OFDM QPSK	0	1	108	1:1	0.040	36.9	
1 745	349000	NR Band 66	Mid	I	40	17.61	Left Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.853	18.3	18.3
1 745	349000	NR Band 66	Mid	I	40	17.61	Left Tilt	DFT-s-OFDM QPSK	0	1	108	1:1	0.168	25.4	
1 745	349000	NR Band 66	Mid	I	40	17.61	Right Cheek	DFT-s-OFDM QPSK	0	108	0	1:1	0.272	23.3	
1 745	349000	NR Band 66	Mid	I	40	17.61	Right Tilt	DFT-s-OFDM QPSK	0	108	0	1:1	0.056	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	Minimum Plimit
Mhz	Ch.														
1 702.5	340500	NR Band 70	Mid	A	15	22.52	Left Cheek	DFT-s-OFDM QPSK	0	1	40	1:1	0.026	38.4	38.4
1 702.5	340500	NR Band 70	Mid	A	15	22.52	Left Tilt	DFT-s-OFDM QPSK	0	1	40	1:1	0.016	40.5	
1 702.5	340500	NR Band 70	Mid	A	15	22.52	Right Cheek	DFT-s-OFDM QPSK	0	1	40	1:1	0.025	38.5	
1 702.5	340500	NR Band 70	Mid	A	15	22.52	Right Tilt	DFT-s-OFDM QPSK	0	1	40	1:1	0.016	40.5	
1 702.5	340500	NR Band 70	Mid	I	15	16.75	Left Cheek	DFT-s-OFDM QPSK	0	1	77	1:1	0.520	19.6	19.6
1 702.5	340500	NR Band 70	Mid	I	15	16.75	Left Tilt	DFT-s-OFDM QPSK	0	1	77	1:1	0.109	26.4	
1 702.5	340500	NR Band 70	Mid	I	15	16.75	Right Cheek	DFT-s-OFDM QPSK	0	1	77	1:1	0.233	23.1	
1 702.5	340500	NR Band 70	Mid	I	15	16.75	Right Tilt	CP OFDM QPSK	0	1	77	1:1	0.055	29.3	
680.5	136100	NR Band 71	Mid	A	20	24.44	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.171	32.1	32.1
680.5	136100	NR Band 71	Mid	A	20	24.44	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.013	43.3	
680.5	136100	NR Band 71	Mid	A	20	24.44	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.157	32.5	
680.5	136100	NR Band 71	Mid	A	20	24.44	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.075	35.7	
3 930	662000	NR Band 77	High	F	100	13.98	Left Cheek	DFT-s-OFDM QPSK	0	1	271	1:1	0.199	21.0	17.1
3 930	662000	NR Band 77	High	F	100	13.98	Left Tilt	DFT-s-OFDM QPSK	0	1	271	1:1	0.205	20.9	
3 930	662000	NR Band 77	High	F	100	13.91	Right Cheek	CP-OFDM QPSK	0	1	1	1:1	0.484	17.1	
3 930	662000	NR Band 77	High	F	100	14.12	Right Tilt	DFT-s-OFDM QPSK	0	138	138	1:1	0.314	19.2	
3 500.01	633334	NR Band 77 DoD	Mid	F	100	14.00	Right Cheek	DFT-s-OFDM QPSK	0	1	271	1:1	0.870	14.6	14.6
3 750	650000	NR Band 77 SRS2	Low	I	100	13.48	Left Cheek	CW	0	-	-	1:1	0.257	19.4	19.4
3 750	650000	NR Band 77 SRS2	Low	I	100	13.48	Left Tilt	CW	0	-	-	1:1	0.028	29.0	
3 750	650000	NR Band 77 SRS2	Low	I	100	13.48	Right Cheek	CW	0	-	-	1:1	0.170	21.2	
3 750	650000	NR Band 77 SRS2	Low	I	100	13.48	Right Tilt	CW	0	-	-	1:1	0.00719	35.0	
3 500.01	633334	NR Band 77DoD SRS2	Mid	I	100	13.03	Left Cheek	CW	0	-	-	1:1	0.531	15.8	15.8
3 930	662000	NR Band 77 SRS3	High	E	100	13.25	Left Cheek	CW	0	-	-	1:1	0.270	18.9	18.9
3 930	662000	NR Band 77 SRS3	High	E	100	13.25	Left Tilt	CW	0	-	-	1:1	0.010	33.3	
3 930	662000	NR Band 77 SRS3	High	E	100	13.25	Right Cheek	CW	0	-	-	1:1	0.177	20.8	
3 930	662000	NR Band 77 SRS3	High	E	100	13.25	Right Tilt	CW	0	-	-	1:1	0.028	28.8	
3 500.01	633334	NR Band 77DoD SRS3	Mid	E	100	13.08	Left Cheek	CW	0	-	-	1:1	0.120	22.3	22.3
3 750	650000	NR Band 77 SRS4	Low	C	100	7.95	Left Cheek	CW	0	-	-	1:1	0.016	25.9	25.9
3 750	650000	NR Band 77 SRS4	Low	C	100	7.95	Left Tilt	CW	0	-	-	1:1	0.00213	34.9	
3 750	650000	NR Band 77 SRS4	Low	C	100	7.95	Right Cheek	CW	0	-	-	1:1	0	N/A	
3 750	650000	NR Band 77 SRS4	Low	C	100	7.95	Right Tilt	CW	0	-	-	1:1	0	N/A	
3 500.01	633334	NR Band 77DoD SRS4	Mid	C	100	7.16	Left Cheek	CW	0	-	-	1:1	0.021	23.9	23.9

Table A-4 DSI = 2 *PLimit* Calculations – WLAN Head SAR

MEASUREMENT RESULTS													
Frequency		Mode/ Band	Band width (MHz)	Ant. No.	Data Rate (Mbps)	Frame Averaged Conducted Power (dBm)	Test Position	Ant. Config.	Duty Cycle	Meas. SAR(1g) (W/kg)	Scaling Factor (Duty)	Plimit (dBm)	Minimum Plimit (dBm)
Mhz	Ch.												
2 412	1	802.11b	20	F	1	17.94	Left Cheek	WIFI1	98.8	0.169	1.012	25.7	20.2
2 412	1	802.11b	20	F	1	17.94	Left Tilt	WIFI1	98.8	0.121	1.012	27.1	
2 412	1	802.11b	20	F	1	17.94	Right Cheek	WIFI1	98.8	0.592	1.012	20.2	
2 412	1	802.11b	20	F	1	17.94	Right Tilt	WIFI1	98.8	0.361	1.012	22.4	
2 437	6	802.11b	20	H	1	17.45	Left Cheek	WIFI2	98.8	0.549	1.012	20.1	20.1
2 437	6	802.11b	20	H	1	17.45	Left Tilt	WIFI2	98.8	0.308	1.012	22.6	
2 437	6	802.11b	20	H	1	17.45	Right Cheek	WIFI2	98.8	0.261	1.012	23.3	
2 437	6	802.11b	20	H	1	17.45	Right Tilt	WIFI2	98.8	0.217	1.012	24.1	
5 620	124	802.11a	20	F	6	15.11	Left Cheek	WIFI1	93.7	0.270	1.067	20.8	16.3
5 620	124	802.11a	20	F	6	15.11	Left Tilt	WIFI1	93.7	0.219	1.067	21.7	
5 620	124	802.11a	20	F	6	15.11	Right Cheek	WIFI1	93.7	0.759	1.067	16.3	
5 620	124	802.11a	20	F	6	15.11	Right Tilt	WIFI1	93.7	0.642	1.067	17.0	
5 300	60	802.11a	20	H	6	15.40	Left Cheek	WIFI2	93.7	0.371	1.067	19.7	19.7
5 300	60	802.11a	20	H	6	15.40	Left Tilt	WIFI2	93.7	0.296	1.067	20.7	
5 300	60	802.11a	20	H	6	15.40	Right Cheek	WIFI2	93.7	0.080	1.067	26.4	
5 300	60	802.11a	20	H	6	15.40	Right Tilt	WIFI2	93.7	0.071	1.067	26.9	
6 525	115	802.11ax	40	F	MCS0	9.78	Left Cheek	WIFI1	99.6	0.101	1.004	19.7	15.0
6 525	115	802.11ax	40	F	MCS0	9.78	Left Tilt	WIFI1	99.6	0.106	1.004	19.5	
6 525	115	802.11ax	40	F	MCS0	9.78	Right Cheek	WIFI1	99.6	0.298	1.004	15.0	
6 525	115	802.11ax	40	F	MCS0	9.78	Right Tilt	WIFI1	99.6	0.201	1.004	16.7	
6 525	115	802.11ax	40	H	MCS0	9.23	Left Cheek	WIFI2	99.6	0.113	1.004	18.7	18.7
6 525	115	802.11ax	40	H	MCS0	9.23	Left Tilt	WIFI2	99.6	0.055	1.004	21.8	
6 525	115	802.11ax	40	H	MCS0	9.23	Right Cheek	WIFI2	99.6	0.008	1.004	30.2	
6 525	115	802.11ax	40	H	MCS0	9.23	Right Tilt	WIFI2	99.6	0.026	1.004	25.1	

MEASUREMENT RESULTS										
Frequency		Mode/ Band	Ant. No.	Frame Averaged Conducted Power (dBm)	Test Position	Ant. Config.	Meas. SAR(1g) (W/kg)	Scaling Factor (Duty)	Plimit (dBm)	Minimum Plimit (dBm)
Mhz	Ch.									
2 402	0	DH-5	F	18.84	Left Cheek	Ant 1	0.149	1.010	27.1	20.3
2 402	0	DH-5	F	18.84	Left Tilt	Ant 1	0.093	1.010	29.2	
2 402	0	DH-5	F	18.84	Right Cheek	Ant 1	0.712	1.010	20.3	
2 402	0	DH-5	F	18.84	Right Tilt	Ant 1	0.436	1.010	22.4	
2 441	39	DH-5	H	17.51	Left Cheek	Ant 2	0.694	1.010	19.1	19.1
2 441	39	DH-5	H	17.51	Left Tilt	Ant 2	0.437	1.010	21.1	
2 441	39	DH-5	H	17.51	Right Cheek	Ant 2	0.283	1.010	23.0	
2 441	39	DH-5	H	17.51	Right Tilt	Ant 2	0.251	1.010	23.5	

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

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

MEASUREMENT RESULTS												
Frequency		Mode/ Band		Form Factor	Ant. No.	Frame Averaged Conducted Power (dBm)	Test Position	Spacing (mm)	Duty Cycle	Meas. SAR(1g) (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Mhz	Ch.											
836.6	190	GSM 850	GPRS4Tx	Open	A	23.07	Rear	10	1:2.07	0.345	27.7	27.4
836.6	190	GSM 850	GPRS4Tx	Open	A	23.07	Front	10	1:2.07	0.212	29.8	
836.6	190	GSM 850	GPRS4Tx	Close	A	23.07	Rear	10	1:2.07	0.365	27.4	
836.6	190	GSM 850	GPRS4Tx	Close	A	23.07	Front	10	1:2.07	0.193	30.2	
1 880.0	661	GSM 1900	GPRS4Tx	Open	A	16.76	Rear	10	1:2.07	0.376	21.0	21.0
1 880.0	661	GSM 1900	GPRS4Tx	Open	A	16.76	Front	10	1:2.07	0.285	22.2	
1 880.0	661	GSM 1900	GPRS4Tx	Close	A	16.76	Rear	10	1:2.07	0.152	24.9	
1 880.0	661	GSM 1900	GPRS4Tx	Close	A	16.76	Front	10	1:2.07	0.035	31.3	
836.6	4183	UMTS 850	RMC	Open	A	23.36	Rear	10	1:1	0.356	27.8	25.8
836.6	4183	UMTS 850	RMC	Open	A	23.36	Front	10	1:1	0.238	29.6	
836.6	4183	UMTS 850	RMC	Close	A	23.36	Rear	10	1:1	0.570	25.8	
836.6	4183	UMTS 850	RMC	Close	A	23.36	Front	10	1:1	0.080	34.3	
1 732.4	1412	UMTS 1700	RMC	Open	A	19.76	Rear	10	1:1	0.701	21.3	21.3
1 732.4	1412	UMTS 1700	RMC	Open	A	19.76	Front	10	1:1	0.512	22.7	
1 732.4	1412	UMTS 1700	RMC	Close	A	19.76	Rear	10	1:1	0.585	22.1	
1 732.4	1412	UMTS 1700	RMC	Close	A	19.76	Front	10	1:1	0.129	28.7	
1 880	9400	UMTS 1900	RMC	Open	A	20.32	Rear	10	1:1	0.738	21.6	21.6
1 880	9400	UMTS 1900	RMC	Open	A	20.32	Front	10	1:1	0.493	23.4	
1 880	9400	UMTS 1900	RMC	Close	A	20.32	Rear	10	1:1	0.489	23.4	
1 880	9400	UMTS 1900	RMC	Close	A	20.32	Front	10	1:1	0.055	32.9	

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

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

MEASUREMENT RESULTS																
Frequency		Mode		Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	Spacing (mm)	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	P_{Limit}	Minimum P_{Limit}
Mhz	Ch.					Mhz	(dBm)			(dB)				(W/kg)	(dBm)	(dBm)
2 510	20850	LTE Band 7	Low	Open	B	20	19.23	Rear	10	0	1	49	1:1	0.278	24.8	24.8
2 510	20850	LTE Band 7	Low	Open	B	20	19.23	Front	10	0	1	49	1:1	0.215	25.9	
2 510	20850	LTE Band 7	Low	Close	B	20	19.23	Rear	10	0	1	49	1:1	0.278	24.8	
2 510	20850	LTE Band 7	Low	Close	B	20	19.23	Front	10	0	1	49	1:1	0.020	36.2	
2 560	21350	LTE Band 7	High	Open	I	20	20.41	Rear	10	0	1	0	1:1	0.344	25.0	24.0
2 560	21350	LTE Band 7	High	Open	I	20	20.41	Front	10	0	1	0	1:1	0.439	24.0	
2 560	21350	LTE Band 7	High	Close	I	20	20.41	Rear	10	0	1	0	1:1	0.093	30.7	
2 560	21350	LTE Band 7	High	Close	I	20	20.41	Front	10	0	1	0	1:1	0.286	25.8	
707.5	23095	LTE Band 12	Mid	Open	A	10	22.17	Rear	10	0	1	0	1:1	0.186	29.5	28.1
707.5	23095	LTE Band 12	Mid	Open	A	10	22.17	Front	10	0	1	0	1:1	0.127	31.1	
707.5	23095	LTE Band 12	Mid	Close	A	10	22.17	Rear	10	0	1	0	1:1	0.258	28.1	
707.5	23095	LTE Band 12	Mid	Close	A	10	22.17	Front	10	0	1	0	1:1	0.053	34.9	
782	23230	LTE Band 13	Mid	Open	A	10	21.82	Rear	10	0	1	24	1:1	0.259	27.7	26.1
782	23230	LTE Band 13	Mid	Open	A	10	21.82	Front	10	0	1	24	1:1	0.171	29.5	
782	23230	LTE Band 13	Mid	Close	A	10	21.82	Rear	10	0	1	24	1:1	0.374	26.1	
782	23230	LTE Band 13	Mid	Close	A	10	21.82	Front	10	0	1	24	1:1	0.117	31.1	
793	23330	LTE Band 14	Mid	Open	A	10	23.17	Rear	10	0	1	0	1:1	0.385	27.3	26.3
793	23330	LTE Band 14	Mid	Open	A	10	23.17	Front	10	0	1	0	1:1	0.248	29.2	
793	23330	LTE Band 14	Mid	Close	A	10	23.17	Rear	10	0	1	0	1:1	0.486	26.3	
793	23330	LTE Band 14	Mid	Close	A	10	23.17	Front	10	0	1	0	1:1	0.055	35.8	
1 905	26590	LTE Band 25	High	Open	A	20	20.45	Rear	10	0	1	99	1:1	0.881	21.0	21.0
1 905	26590	LTE Band 25	High	Open	A	20	20.45	Front	10	0	1	99	1:1	0.672	22.2	
1 905	26590	LTE Band 25	High	Close	A	20	20.45	Rear	10	0	1	99	1:1	0.573	22.9	
1 905	26590	LTE Band 25	High	Close	A	20	20.45	Front	10	0	1	99	1:1	0.047	33.7	
1 905	26590	LTE Band 25	High	Open	I	20	21.14	Rear	10	0	1	0	1:1	0.583	23.5	23.3
1 905	26590	LTE Band 25	High	Open	I	20	21.14	Front	10	0	1	0	1:1	0.402	25.1	
1 905	26590	LTE Band 25	High	Close	I	20	21.14	Rear	10	0	1	0	1:1	0.090	31.6	
1 905	26590	LTE Band 25	High	Close	I	20	21.14	Front	10	0	1	0	1:1	0.603	23.3	
831.5	26865	LTE Band 26	Mid	Open	A	15	23.87	Rear	10	0	1	36	1:1	0.224	30.4	27.1
831.5	26865	LTE Band 26	Mid	Open	A	15	23.87	Front	10	0	1	36	1:1	0.234	30.2	
831.5	26865	LTE Band 26	Mid	Close	A	15	23.87	Rear	10	0	1	36	1:1	0.475	27.1	
831.5	26865	LTE Band 26	Mid	Close	A	15	23.87	Front	10	0	1	36	1:1	0.048	37.1	
2 310	27710	LTE Band 30	Mid	Open	B	10	19.15	Rear	10	0	1	49	1:1	0.349	23.7	23.7
2 310	27710	LTE Band 30	Mid	Open	B	10	19.15	Front	10	0	1	49	1:1	0.271	24.8	
2 310	27710	LTE Band 30	Mid	Close	B	10	19.15	Rear	10	0	1	49	1:1	0.332	23.9	
2 310	27710	LTE Band 30	Mid	Close	B	10	19.15	Front	10	0	1	49	1:1	0.026	35.0	
2 310	27710	LTE Band 30	Mid	Open	I	10	20.93	Rear	10	0	1	0	1:1	0.564	23.4	23.0
2 310	27710	LTE Band 30	Mid	Open	I	10	20.93	Front	10	0	1	0	1:1	0.622	23.0	
2 310	27710	LTE Band 30	Mid	Close	I	10	20.93	Rear	10	0	1	0	1:1	0.092	31.3	
2 310	27710	LTE Band 30	Mid	Close	I	10	20.93	Front	10	0	1	0	1:1	0.321	25.9	

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
2 506	39750	LTE Band 41(PC3)	Low	Open	B	20	19.15	Rear	10	0	1	0	1:1.58	0.409	23.0	23.0
2 506	39750	LTE Band 41(PC3)	Low	Open	B	20	19.15	Front	10	0	1	0	1:1.58	0.293	24.5	
2 506	39750	LTE Band 41(PC3)	Low	Close	B	20	19.15	Rear	10	0	1	0	1:1.58	0.259	25.0	
2 506	39750	LTE Band 41(PC3)	Low	Close	B	20	19.15	Front	10	0	1	0	1:1.58	0.019	36.4	
2 506	39750	LTE Band 41(PC2)	Low	Open	B	20	19.96	Rear	10	0	1	0	1:2.31	0.414	23.8	23.8
2 506	39750	LTE Band 41(PC2)	Low	Close	B	20	19.96	Rear	10	0	1	0	1:2.31	0.291	25.3	
2 680.0	41490	LTE Band 41(PC3)	High	Open	I	20	21.26	Rear	10	0	1	0	1:1.58	0.478	24.5	24.5
2 680.0	41490	LTE Band 41(PC3)	High	Open	I	20	21.26	Front	10	0	1	0	1:1.58	0.364	25.6	
2 680.0	41490	LTE Band 41(PC3)	High	Close	I	20	21.26	Rear	10	0	1	0	1:1.58	0.119	30.5	
2 680.0	41490	LTE Band 41(PC3)	High	Close	I	20	21.26	Front	10	0	1	0	1:1.58	0.358	25.7	
2 680.0	41490	LTE Band 41(PC2)	High	Open	I	20	21.15	Rear	10	0	1	0	1:2.31	0.489	24.3	24.3
2 680.0	41490	LTE Band 41(PC2)	High	Close	I	20	21.15	Front	10	0	1	0	1:2.31	0.357	25.6	
3 560	55340	LTE Band 48	Low	Open	F	20	19.60	Rear	10	0	1	99	1:1.58	0.323	24.5	23.3
3 560	55340	LTE Band 48	Low	Open	F	20	19.60	Front	10	0	1	99	1:1.58	0.147	27.9	
3 560	55340	LTE Band 48	Low	Close	F	20	19.60	Rear	10	0	1	99	1:1.58	0.052	32.4	
3 560	55340	LTE Band 48	Low	Close	F	20	19.60	Front	10	0	1	99	1:1.58	0.431	23.3	
1 720	132072	LTE Band 66	Low	Open	A	20	20.17	Rear	10	0	1	99	1:1	0.752	21.4	21.4
1 720	132072	LTE Band 66	Low	Open	A	20	20.17	Front	10	0	1	99	1:1	0.501	23.2	
1 720	132072	LTE Band 66	Low	Close	A	20	20.17	Rear	10	0	1	99	1:1	0.417	24.0	
1 720	132072	LTE Band 66	Low	Close	A	20	20.17	Front	10	0	1	99	1:1	0.090	30.6	
1 745	132322	LTE Band 66	Mid	Open	I	20	20.85	Rear	10	0	1	0	1:1	0.682	22.5	22.5
1 745	132322	LTE Band 66	Mid	Open	I	20	20.85	Front	10	0	1	0	1:1	0.523	23.7	
1 745	132322	LTE Band 66	Mid	Close	I	20	20.85	Rear	10	0	1	0	1:1	0.063	32.9	
1 745	132322	LTE Band 66	Mid	Close	I	20	20.85	Front	10	0	1	0	1:1	0.586	23.2	
680.5	133297	LTE Band 71	Mid	Open	A	20	24.01	Rear	10	0	1	99	1:1	0.307	29.1	29.1
680.5	133297	LTE Band 71	Mid	Open	A	20	24.01	Front	10	0	1	99	1:1	0.249	30.0	
680.5	133297	LTE Band 71	Mid	Close	A	20	24.01	Rear	10	0	1	99	1:1	0.192	31.2	
680.5	133297	LTE Band 71	Mid	Close	A	20	24.01	Front	10	0	1	99	1:1	0.091	34.4	

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

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

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

SAR measurements of all NR 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(Ig)	PLimit	Minimum PLimit
MHz	Ch.						MHz	(dBm)			(dB)				(W/kg)	(dBm)	(dBm)	
2 535	507000	NR Band n7	Mid	Open	B	40	19.17	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.321	24.1	24.1	
2 535	507000	NR Band n7	Mid	Open	B	40	19.17	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.297	24.4		
2 535	507000	NR Band n7	Mid	Close	B	40	19.17	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.234	25.5		
2 535	507000	NR Band n7	Mid	Close	B	40	19.17	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.027	34.9		
2 535	507000	NR Band n7	Mid	Open	I	40	20.85	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.496	23.9	23.9	
2 535	507000	NR Band n7	Mid	Open	I	40	20.85	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.418	24.6		
2 535	507000	NR Band n7	Mid	Close	I	40	20.85	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.109	30.5		
2 535	507000	NR Band n7	Mid	Close	I	40	20.85	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.445	24.4		
707.5	141500	NR Band n12	Mid	Open	A	15	22.36	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.280	27.9	27.3	
707.5	141500	NR Band n12	Mid	Open	A	15	22.36	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.191	29.5		
707.5	141500	NR Band n12	Mid	Close	A	15	22.36	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.318	27.3		
707.5	141500	NR Band n12	Mid	Close	A	15	22.36	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.090	32.8		
1882.5	376500	NR Band n25	Mid	Open	A	40	20.50	Rear	DFT-s-OFDM QPSK	0	10	1	108	1:1	0.986	20.6	20.6	
1882.5	376500	NR Band n25	Mid	Open	A	40	20.50	Front	DFT-s-OFDM QPSK	0	10	1	108	1:1	0.629	22.5		
1882.5	376500	NR Band n25	Mid	Close	A	40	20.50	Rear	DFT-s-OFDM QPSK	0	10	1	108	1:1	0.698	22.1		
1882.5	376500	NR Band n25	Mid	Close	A	40	20.50	Front	DFT-s-OFDM QPSK	0	10	1	108	1:1	0.096	30.7		
1882.5	376500	NR Band n25	Mid	Open	I	40	20.95	Rear	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.497	24.0	23.8	
1882.5	376500	NR Band n25	Mid	Open	I	40	20.95	Front	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.450	24.4		
1882.5	376500	NR Band n25	Mid	Close	I	40	20.95	Rear	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.050	34.0		
1882.5	376500	NR Band n25	Mid	Close	I	40	20.95	Front	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.517	23.8		
831.5	166300	NR Band n26	Mid	Open	A	20	23.63	Rear	DFT-s-OFDM QPSK	0	10	1	53	1:1	0.372	27.9	27.2	
831.5	166300	NR Band n26	Mid	Open	A	20	23.63	Front	DFT-s-OFDM QPSK	0	10	1	53	1:1	0.293	29.0		
831.5	166300	NR Band n26	Mid	Close	A	20	23.63	Rear	DFT-s-OFDM QPSK	0	10	1	53	1:1	0.439	27.2		
831.5	166300	NR Band n26	Mid	Close	A	20	23.63	Front	DFT-s-OFDM QPSK	0	10	1	53	1:1	0.080	34.6		
2 310	462000	NR Band n30	Mid	Open	B	10	19.16	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.421	22.9	22.9	
2 310	462000	NR Band n30	Mid	Open	B	10	19.16	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.317	24.1		
2 310	462000	NR Band n30	Mid	Close	B	10	19.16	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.319	24.1		
2 310	462000	NR Band n30	Mid	Close	B	10	19.16	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.036	33.6		
2 310	462000	NR Band n30	Mid	Open	I	10	21.05	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.585	23.4	22.9	
2 310	462000	NR Band n30	Mid	Open	I	10	21.05	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.403	25.0		
2 310	462000	NR Band n30	Mid	Close	I	10	21.05	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.092	31.4		
2 310	462000	NR Band n30	Mid	Close	I	10	21.05	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.647	22.9		

MEASUREMENT RESULTS																	
Frequency		Mode		Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimu Plimit
MHz	Ch.					MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
1745	349000	NR Band n66	Mid	Open	A	40	20.55	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.775	21.7	21.7
1745	349000	NR Band n66	Mid	Open	A	40	20.55	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.491	23.6	
1745	349000	NR Band n66	Mid	Close	A	40	20.55	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.371	24.9	
1745	349000	NR Band n66	Mid	Close	A	40	20.55	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.073	31.9	
1745	349000	NR Band n66	Mid	Open	I	40	20.49	Rear	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.436	24.1	24.1
1745	349000	NR Band n66	Mid	Open	I	40	20.49	Front	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.335	25.2	
1745	349000	NR Band n66	Mid	Close	I	40	20.49	Rear	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.027	36.2	
1745	349000	NR Band n66	Mid	Close	I	40	20.49	Front	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.281	26.0	
1702.5	340500	NR Band n70	Mid	Open	A	15	19.75	Rear	DFT-s-OFDM QPSK	0	10	1	40	1:1	0.554	22.3	22.3
1702.5	340500	NR Band n70	Mid	Open	A	15	19.75	Front	DFT-s-OFDM QPSK	0	10	1	40	1:1	0.210	26.5	
1702.5	340500	NR Band n70	Mid	Close	A	15	19.75	Rear	DFT-s-OFDM QPSK	0	10	1	40	1:1	0.131	28.6	
1702.5	340500	NR Band n70	Mid	Close	A	15	19.75	Front	DFT-s-OFDM QPSK	0	10	1	40	1:1	0.040	33.7	
1702.5	340500	NR Band n70	Mid	Open	I	15	20.95	Rear	DFT-s-OFDM QPSK	0	10	1	77	1:1	0.400	24.9	24.9
1702.5	340500	NR Band n70	Mid	Open	I	15	20.95	Front	DFT-s-OFDM QPSK	0	10	1	77	1:1	0.407	24.9	
1702.5	340500	NR Band n70	Mid	Close	I	15	20.95	Rear	DFT-s-OFDM QPSK	0	10	1	77	1:1	0.038	35.2	
1702.5	340500	NR Band n70	Mid	Close	I	15	20.95	Front	DFT-s-OFDM QPSK	0	10	1	77	1:1	0.228	27.4	
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.115	33.8	30.3
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.062	36.5	
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.259	30.3	
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.048	37.6	
2595	519000	NR Band n38	Mid	Open	B	40	20.26	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.584	22.6	22.6
2595	519000	NR Band n38	Mid	Open	B	40	20.26	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.430	23.9	
2595	519000	NR Band n38	Mid	Close	B	40	20.20	Rear	DFT-s-OFDM QPSK	0	10	50	28	1:1	0.420	24.0	
2595	519000	NR Band n38	Mid	Close	B	40	20.20	Front	DFT-s-OFDM QPSK	0	10	50	28	1:1	0.033	35.0	
2592.99	518598	NR Band n41	Mid	Open	I	100	21.37	Rear	DFT-s-OFDM QPSK	0	10	270	0	1:1	0.636	23.3	23.3
2592.99	518598	NR Band n41	Mid	Open	I	100	21.48	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.355	26.0	
2592.99	518598	NR Band n41	Mid	Close	I	100	21.48	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.246	27.6	
2592.99	518598	NR Band n41	Mid	Close	I	100	21.57	Front	DFT-s-OFDM QPSK	0	10	135	69	1:1	0.494	24.6	
2592.99	518598	NR n41 SRS2	Mid	Open	B	100	15.60	Rear	CW	0	10	-	-	1:1	0.283	21.1	21.1
2592.99	518598	NR n41 SRS2	Mid	Open	B	100	15.60	Front	CW	0	10	-	-	1:1	0.053	28.4	
2592.99	518598	NR n41 SRS2	Mid	Close	B	100	15.60	Rear	CW	0	10	-	-	1:1	0.180	23.0	
2592.99	518598	NR n41 SRS2	Mid	Close	B	100	15.60	Front	CW	0	10	-	-	1:1	0.015	33.8	
2592.99	518598	NR n41 SRS3	Mid	Open	F	100	17.70	Rear	CW	0	10	-	-	1:1	0.201	24.7	24.7
2592.99	518598	NR n41 SRS3	Mid	Open	F	100	17.70	Front	CW	0	10	-	-	1:1	0.141	26.2	
2592.99	518598	NR n41 SRS3	Mid	Close	F	100	17.70	Rear	CW	0	10	-	-	1:1	0.039	31.8	
2592.99	518598	NR n41 SRS3	Mid	Close	F	100	17.70	Front	CW	0	10	-	-	1:1	0.159	25.7	
2592.99	518598	NR n41 SRS4	Mid	Open	C	100	12.91	Rear	CW	0	10	-	-	1:1	0.065	24.8	24.8
2592.99	518598	NR n41 SRS4	Mid	Open	C	100	12.91	Front	CW	0	10	-	-	1:1	0.047	26.2	
2592.99	518598	NR n41 SRS4	Mid	Close	C	100	12.91	Rear	CW	0	10	-	-	1:1	0.047	26.2	
2592.99	518598	NR n41 SRS4	Mid	Close	C	100	12.91	Front	CW	0	10	-	-	1:1	0.013	31.8	

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)	
3 624.99	641666	NR Band n48	Mid	Open	F	40	19.89	Rear	CP-OFDM QPSK	0	10	1	1	1:1	0.266	25.6	24.7		
3 624.99	641666	NR Band n48	Mid	Open	F	40	19.85	Front	DFT-s-OFDM QPSK	0	10	1	104	1:1	0.129	28.7			
3 624.99	641666	NR Band n48	Mid	Close	F	40	19.85	Rear	DFT-s-OFDM QPSK	0	10	1	104	1:1	0.028	35.4			
3 624.99	641666	NR Band n48	Mid	Close	F	40	19.85	Front	DFT-s-OFDM QPSK	0	10	1	104	1:1	0.331	24.7			
3 570	638000	NR n48 SRS2	Low	Open	I	40	20.11	Rear	CW	0	10	-	-	1:1	0.166	27.9	26.8		
3 570	638000	NR n48 SRS2	Low	Open	I	40	20.11	Front	CW	0	10	-	-	1:1	0.126	29.1			
3 570	638000	NR n48 SRS2	Low	Close	I	40	20.11	Rear	CW	0	10	-	-	1:1	0.00875	40.6			
3 570	638000	NR n48 SRS2	Low	Close	I	40	20.11	Front	CW	0	10	-	-	1:1	0.212	26.8			
3 570	638000	NR n48 SRS3	Low	Open	E	40	20.18	Rear	CW	0	10	-	-	1:1	0.190	27.4	27.4		
3 570	638000	NR n48 SRS3	Low	Open	E	40	20.18	Front	CW	0	10	-	-	1:1	0.099	30.2			
3 570	638000	NR n48 SRS3	Low	Close	E	40	20.18	Rear	CW	0	10	-	-	1:1	0.059	32.5			
3 570	638000	NR n48 SRS3	Low	Close	E	40	20.18	Front	CW	0	10	-	-	1:1	0.107	29.9			
3 570	638000	NR n48 SRS4	Low	Open	C	40	13.78	Rear	CW	0	10	-	-	1:1	0.124	22.8	22.8		
3 570	638000	NR n48 SRS4	Low	Open	C	40	13.78	Front	CW	0	10	-	-	1:1	0.079	24.8			
3 570	638000	NR n48 SRS4	Low	Close	C	40	13.78	Rear	CW	0	10	-	-	1:1	0.068	25.5			
3 570	638000	NR n48 SRS4	Low	Close	C	40	13.78	Front	CW	0	10	-	-	1:1	0.00882	34.2			
3 930	662000	NR Band n77	High	Open	F	100	18.79	Rear	CP-OFDM QPSK	0	10	1	1	1:1	0.316	23.8	22.2		
3 930	662000	NR Band n77	High	Open	F	100	18.83	Front	DFT-s-OFDM QPSK	0	10	135	138	1:1	0.089	29.3			
3 930	662000	NR Band n77	High	Close	F	100	18.87	Rear	DFT-s-OFDM QPSK	0	10	1	271	1:1	0.032	33.8			
3 930	662000	NR Band n77	High	Close	F	100	18.87	Front	DFT-s-OFDM QPSK	0	10	1	271	1:1	0.461	22.2			
3 500.01	633334	NR Band n77 DoD	Mid	Open	F	100	18.33	Rear	DFT-s-OFDM QPSK	0	10	135	138	1:1	0.516	21.2	21.2		
3 500.01	633334	NR Band n77 DoD	Mid	Close	F	100	18.57	Front	DFT-s-OFDM QPSK	0	10	1	271	1:1	0.357	23.0			
3 750	650000	NR n77 SRS2	Low	Open	I	100	18.11	Rear	CW	0	10	-	-	1:1	0.118	27.4	26.2		
3 750	650000	NR n77 SRS2	Low	Open	I	100	18.11	Front	CW	0	10	-	-	1:1	0.060	30.3			
3 750	650000	NR n77 SRS2	Low	Close	I	100	18.11	Rear	CW	0	10	-	-	1:1	0.003	43.3			
3 750	650000	NR n77 SRS2	Low	Close	I	100	18.11	Front	CW	0	10	-	-	1:1	0.155	26.2			
3 500.01	633334	NR n77 DoD SRS2	Mid	Open	I	100	17.71	Rear	CW	0	10	-	-	1:1	0.215	24.4	24.0		
3 500.01	633334	NR n77 DoD SRS2	Mid	Close	I	100	17.71	Front	CW	0	10	-	-	1:1	0.234	24.0			
3 930	662000	NR n77 SRS3	High	Open	E	100	17.85	Rear	CW	0	10	-	-	1:1	0.135	26.5	26.5		
3 930	662000	NR n77 SRS3	High	Open	E	100	17.85	Front	CW	0	10	-	-	1:1	0.117	27.2			
3 930	662000	NR n77 SRS3	High	Close	E	100	17.85	Rear	CW	0	10	-	-	1:1	0.072	29.3			
3 930	662000	NR n77 SRS3	High	Close	E	100	17.85	Front	CW	0	10	-	-	1:1	0.098	27.9			
3 500.01	633334	NR n77 DoD SRS3	Mid	Open	E	100	17.56	Rear	CW	0	10	-	-	1:1	0.148	25.9	25.9		
3 500.01	633334	NR n77 DoD SRS3	Mid	Close	E	100	17.56	Front	CW	0	10	-	-	1:1	0.125	26.6			
3 750	650000	NR n77 SRS4	Low	Open	C	100	12.40	Rear	CW	0	10	-	-	1:1	0.071	23.9	23.9		
3 750	650000	NR n77 SRS4	Low	Open	C	100	12.40	Front	CW	0	10	-	-	1:1	0.059	24.7			
3 750	650000	NR n77 SRS4	Low	Close	C	100	12.40	Rear	CW	0	10	-	-	1:1	0.032	27.3			
3 750	650000	NR n77 SRS4	Low	Close	C	100	12.40	Front	CW	0	10	-	-	1:1	0.0035	36.4			
3 500.01	633334	NR n77 DoD SRS4	Mid	Open	C	100	11.65	Rear	CW	0	10	-	-	1:1	0.121	20.8	20.8		
3 500.01	633334	NR n77 DoD SRS4	Mid	Close	C	100	11.65	Rear	CW	0	10	-	-	1:1	0.101	21.6			

Table A-8 DSI = 0 *Plimit* Calculations – WLAN Body-Worn 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
MHz	Ch.					(Mbps)	Conducted Power				(dBm)	SAR(1g)	Factor	(dBm)
											(W/kg)	(Duty)	(dBm)	(dBm)
2 412	1	802.11b	20	Open	F	1	17.94	Rear	WIFI1	98.8	0.174	1.012	25.5	25.5
2 412	1	802.11b	20	Open	F	1	17.94	Front	WIFI1	98.8	0.121	1.012	27.1	
2 412	1	802.11b	20	Close	F	1	17.94	Rear	WIFI1	98.8	0.034	1.012	32.6	
2 412	1	802.11b	20	Close	F	1	17.94	Front	WIFI1	98.8	0.081	1.012	28.9	
2 437	6	802.11b	20	Open	H	1	17.45	Rear	WIFI2	98.8	0.071	1.012	28.9	28.9
2 437	6	802.11b	20	Open	H	1	17.45	Front	WIFI2	98.8	0.061	1.012	29.6	
2 437	6	802.11b	20	Close	H	1	17.45	Rear	WIFI2	98.8	0.021	1.012	34.2	
2 437	6	802.11b	20	Close	H	1	17.45	Front	WIFI2	98.8	0.043	1.012	31.1	
5 300	60	802.11a	20	Open	F	6	14.85	Rear	WIFI1	93.7	0.285	1.067	20.3	20.3
5 300	60	802.11a	20	Open	F	6	14.85	Front	WIFI1	93.7	0.114	1.067	24.3	
5 300	60	802.11a	20	Close	F	6	14.85	Rear	WIFI1	93.7	0.014	1.067	33.4	
5 300	60	802.11a	20	Close	F	6	14.85	Front	WIFI1	93.7	0.276	1.067	20.4	
5 600	120	802.11a	20	Open	H	6	15.79	Rear	WIFI2	93.7	0.195	1.067	22.9	22.9
5 600	120	802.11a	20	Open	H	6	15.79	Front	WIFI2	93.7	0.036	1.067	30.2	
5 600	120	802.11a	20	Close	H	6	15.79	Rear	WIFI2	93.7	0.0086	1.067	36.2	
5 600	120	802.11a	20	Close	H	6	15.79	Front	WIFI2	93.7	0.161	1.067	23.7	
6 525	115	802.11ax	40	Open	F	MCS0	9.78	Rear	WIFI1	99.6	0.039	1.004	23.9	23.9
6 525	115	802.11ax	40	Open	F	MCS0	9.78	Front	WIFI1	99.6	0.025	1.004	25.8	
6 525	115	802.11ax	40	Close	F	MCS0	9.78	Rear	WIFI1	99.6	0	1.004	N/A	
6 525	115	802.11ax	40	Close	F	MCS0	9.78	Front	WIFI1	99.6	0.036	1.004	24.2	
6 525	115	802.11ax	40	Open	H	MCS0	9.23	Rear	WIFI2	99.6	0.023	1.004	25.6	25.6
6 525	115	802.11ax	40	Open	H	MCS0	9.23	Front	WIFI2	99.6	0.015	1.004	27.5	
6 525	115	802.11ax	40	Close	H	MCS0	9.23	Rear	WIFI2	99.6	0	1.004	N/A	
6 525	115	802.11ax	40	Close	H	MCS0	9.23	Front	WIFI2	99.6	0.017	1.004	26.9	

MEASUREMENT RESULTS														
Frequency		Mode/ Band	Form Factor	Ant. No.	Frame Averaged	Test Position	Ant. Config.	Meas.	WScaling	Plimit	Minimum Plimit			
MHz	Ch.				Conducted Power			SAR(1g)	Factor	(dBm)	(dBm)	(dBm)		
											(W/kg)	(Duty)	(dBm)	(dBm)
2 402	0	DH5	Open	F	18.84	Rear	Ant 1	0.109	1.010	28.5	28.5			
2 402	0	DH5	Open	F	18.84	Front	Ant 1	0.100	1.010	28.8				
2 402	0	DH5	Close	F	18.84	Rear	Ant 1	0.025	1.010	34.9				
2 402	0	DH5	Close	F	18.84	Front	Ant 1	0.071	1.010	30.3				
2 441	39	DH5	Open	H	17.51	Rear	Ant 2	0.092	1.010	27.9	27.9			
2 441	39	DH5	Open	H	17.51	Front	Ant 2	0.089	1.010	28.0				
2 441	39	DH5	Close	H	17.51	Rear	Ant 2	0.016	1.010	35.5				
2 441	39	DH5	Close	H	17.51	Front	Ant 2	0.056	1.010	30.0				

Table A-9 DSI = 3 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	Test Position	Spacing (mm)	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
MHz	Ch.					(dBm)				(W/kg)	(dBm)	(dBm)
836.6	190	GSM 850	GPRS4Tx	Open	A	19.21	Rear	10	1:2.07	0.266	25.0	25.0
836.6	190	GSM 850	GPRS4Tx	Open	A	19.21	Front	10	1:2.07	0.169	26.9	
836.6	190	GSM 850	GPRS4Tx	Open	A	19.21	Left	10	1:2.07	0.138	27.8	
836.6	190	GSM 850	GPRS4Tx	Open	A	19.21	Right	10	1:2.07	0.180	26.7	
836.6	190	GSM 850	GPRS4Tx	Open	A	19.21	Bottom	10	1:2.07	0.091	29.6	
836.6	190	GSM 850	GPRS4Tx	Close	A	19.21	Rear	5	1:2.07	0.257	25.1	
836.6	190	GSM 850	GPRS4Tx	Close	A	19.21	Front	5	1:2.07	0.037	33.5	
836.6	190	GSM 850	GPRS4Tx	Close	A	19.21	Left	5	1:2.07	0.062	31.3	
836.6	190	GSM 850	GPRS4Tx	Close	A	19.21	Right	5	1:2.07	0.028	34.7	
836.6	190	GSM 850	GPRS4Tx	Close	A	19.21	Bottom	5	1:2.07	0.101	29.2	
1880.0	661	GSM 1900	GPRS3Tx	Open	A	15.85	Rear	10	1:2.77	0.276	21.4	19.8
1880.0	661	GSM 1900	GPRS3Tx	Open	A	15.85	Front	10	1:2.77	0.165	23.7	
1880.0	661	GSM 1900	GPRS3Tx	Open	A	15.85	Left	10	1:2.77	0.063	27.9	
1880.0	661	GSM 1900	GPRS3Tx	Open	A	15.85	Right	10	1:2.77	0.028	31.4	
1880.0	661	GSM 1900	GPRS3Tx	Open	A	15.85	Bottom	10	1:2.77	0.400	19.8	
1880.0	661	GSM 1900	GPRS3Tx	Close	A	15.85	Rear	5	1:2.77	0.197	22.9	
1880.0	661	GSM 1900	GPRS3Tx	Close	A	15.85	Front	5	1:2.77	0.061	28.0	
1880.0	661	GSM 1900	GPRS3Tx	Close	A	15.85	Left	5	1:2.77	0.021	32.6	
1880.0	661	GSM 1900	GPRS3Tx	Close	A	15.85	Right	5	1:2.77	0.00341	41.1	
1880.0	661	GSM 1900	GPRS3Tx	Close	A	15.85	Bottom	5	1:2.77	0.397	19.9	

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
Mhz	Ch.					(dBm)				(W/kg)	(dBm)	(dBm)
836.6	4183	UMTS 850	RMC	Open	A	21.72	Rear	10	1:1	0.369	26.0	25.6
836.6	4183	UMTS 850	RMC	Open	A	21.72	Front	10	1:1	0.149	30.0	
836.6	4183	UMTS 850	RMC	Open	A	21.72	Left	10	1:1	0.137	30.4	
836.6	4183	UMTS 850	RMC	Open	A	21.72	Right	10	1:1	0.291	27.1	
836.6	4183	UMTS 850	RMC	Open	A	21.72	Bottom	10	1:1	0.129	30.6	
836.6	4183	UMTS 850	RMC	Close	A	21.72	Rear	5	1:1	0.412	25.6	
836.6	4183	UMTS 850	RMC	Close	A	21.72	Front	5	1:1	0.059	34.0	
836.6	4183	UMTS 850	RMC	Close	A	21.72	Left	5	1:1	0.106	31.5	
836.6	4183	UMTS 850	RMC	Close	A	21.72	Right	5	1:1	0.06	33.9	
836.6	4183	UMTS 850	RMC	Close	A	21.72	Bottom	5	1:1	0.141	30.2	
1732.4	1412	UMTS 1700	RMC	Open	A	17.60	Rear	10	1:1	0.391	21.7	18.4
1732.4	1412	UMTS 1700	RMC	Open	A	17.60	Front	10	1:1	0.239	23.8	
1732.4	1412	UMTS 1700	RMC	Open	A	17.60	Left	10	1:1	0.071	29.1	
1732.4	1412	UMTS 1700	RMC	Open	A	17.60	Right	10	1:1	0.068	29.3	
1732.4	1412	UMTS 1700	RMC	Open	A	17.60	Bottom	10	1:1	0.547	20.2	
1732.4	1412	UMTS 1700	RMC	Close	A	17.60	Rear	5	1:1	0.559	20.1	
1732.4	1412	UMTS 1700	RMC	Close	A	17.60	Front	5	1:1	0.110	27.2	
1732.4	1412	UMTS 1700	RMC	Close	A	17.60	Left	5	1:1	0.138	26.2	
1732.4	1412	UMTS 1700	RMC	Close	A	17.60	Right	5	1:1	0.018	35.0	
1732.4	1412	UMTS 1700	RMC	Close	A	17.60	Bottom	5	1:1	0.835	18.4	
1880	9400	UMTS 1900	RMC	Open	A	15.49	Rear	10	1:1	0.286	20.9	18.9
1880	9400	UMTS 1900	RMC	Open	A	15.49	Front	10	1:1	0.179	23.0	
1880	9400	UMTS 1900	RMC	Open	A	15.49	Left	10	1:1	0.053	28.2	
1880	9400	UMTS 1900	RMC	Open	A	15.49	Right	10	1:1	0.020	32.5	
1880	9400	UMTS 1900	RMC	Open	A	15.49	Bottom	10	1:1	0.456	18.9	
1880	9400	UMTS 1900	RMC	Close	A	15.49	Rear	5	1:1	0.257	21.4	
1880	9400	UMTS 1900	RMC	Close	A	15.49	Front	5	1:1	0.051	28.4	
1880	9400	UMTS 1900	RMC	Close	A	15.49	Left	5	1:1	0.027	31.2	
1880	9400	UMTS 1900	RMC	Close	A	15.49	Right	5	1:1	0.00393	39.5	
1880	9400	UMTS 1900	RMC	Close	A	15.49	Bottom	5	1:1	0.406	19.4	

Table A-10 DSI = 3 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)
2 510	20850	LTE Band 7	Low	Open	B	20	16.98	Rear	10	0	1	0	1:1	0.159	25.0	19.1
2 510	20850	LTE Band 7	Low	Open	B	20	16.98	Front	10	0	1	0	1:1	0.111	26.5	
2 510	20850	LTE Band 7	Low	Open	B	20	16.98	Left	10	0	1	0	1:1	0.044	30.5	
2 510	20850	LTE Band 7	Low	Open	B	20	16.98	Bottom	10	0	1	0	1:1	0.509	19.9	
2 510	20850	LTE Band 7	Low	Close	B	20	16.98	Rear	5	0	1	0	1:1	0.364	21.4	
2 510	20850	LTE Band 7	Low	Close	B	20	16.98	Front	5	0	1	0	1:1	0.029	32.4	
2 510	20850	LTE Band 7	Low	Close	B	20	16.98	Left	5	0	1	0	1:1	0.133	25.7	
2 510	20850	LTE Band 7	Low	Close	B	20	16.98	Bottom	5	0	1	0	1:1	0.612	19.1	
2 510	20850	LTE Band 7	Low	Open	I	20	19.01	Rear	10	0	1	49	1:1	0.175	26.6	20.2
2 510	20850	LTE Band 7	Low	Open	I	20	19.01	Front	10	0	1	49	1:1	0.177	26.5	
2 510	20850	LTE Band 7	Low	Open	I	20	19.01	Right	10	0	1	49	1:1	0.352	23.5	
2 510	20850	LTE Band 7	Low	Open	I	20	19.01	Top	10	0	1	49	1:1	0.015	37.2	
2 510	20850	LTE Band 7	Low	Close	I	20	19.01	Rear	5	0	1	49	1:1	0.123	28.1	
2 510	20850	LTE Band 7	Low	Close	I	20	19.01	Front	5	0	1	49	1:1	0.414	22.8	
2 510	20850	LTE Band 7	Low	Close	I	20	19.01	Right	5	0	1	49	1:1	0.769	20.2	
2 510	20850	LTE Band 7	Low	Close	I	20	19.01	Top	5	0	1	49	1:1	0.024	35.2	
2 510	20850	LTE Band 7	Low	Close	I	20	19.01	Bottom	5	0	1	49	1:1	0.032	34.0	
707.5	23095	LTE Band 12	Mid	Open	A	10	22.17	Rear	10	0	1	0	1:1	0.186	29.5	25.0
707.5	23095	LTE Band 12	Mid	Open	A	10	22.17	Front	10	0	1	0	1:1	0.127	31.1	
707.5	23095	LTE Band 12	Mid	Open	A	10	22.17	Left	10	0	1	0	1:1	0.147	30.5	
707.5	23095	LTE Band 12	Mid	Open	A	10	22.17	Right	10	0	1	0	1:1	0.154	30.3	
707.5	23095	LTE Band 12	Mid	Open	A	10	22.17	Bottom	10	0	1	0	1:1	0.066	34.0	
707.5	23095	LTE Band 12	Mid	Close	A	10	22.17	Rear	5	0	1	0	1:1	0.522	25.0	
707.5	23095	LTE Band 12	Mid	Close	A	10	22.17	Front	5	0	1	0	1:1	0.080	33.1	
707.5	23095	LTE Band 12	Mid	Close	A	10	22.17	Left	5	0	1	0	1:1	0.142	30.6	
707.5	23095	LTE Band 12	Mid	Close	A	10	22.17	Right	5	0	1	0	1:1	0.037	36.5	
707.5	23095	LTE Band 12	Mid	Close	A	10	22.17	Bottom	5	0	1	0	1:1	0.186	29.5	
782	23230	LTE Band 13	Mid	Open	A	10	21.82	Rear	10	0	1	24	1:1	0.259	27.7	23.9
782	23230	LTE Band 13	Mid	Open	A	10	21.82	Front	10	0	1	24	1:1	0.171	29.5	
782	23230	LTE Band 13	Mid	Open	A	10	21.82	Left	10	0	1	24	1:1	0.105	31.6	
782	23230	LTE Band 13	Mid	Open	A	10	21.82	Right	10	0	1	24	1:1	0.183	29.2	
782	23230	LTE Band 13	Mid	Open	A	10	21.82	Bottom	10	0	1	24	1:1	0.101	31.8	
782	23230	LTE Band 13	Mid	Close	A	10	21.82	Rear	5	0	1	24	1:1	0.622	23.9	
782	23230	LTE Band 13	Mid	Close	A	10	21.82	Front	5	0	1	24	1:1	0.170	29.5	
782	23230	LTE Band 13	Mid	Close	A	10	21.82	Left	5	0	1	24	1:1	0.140	30.4	
782	23230	LTE Band 13	Mid	Close	A	10	21.82	Right	5	0	1	24	1:1	0.061	34.0	
782	23230	LTE Band 13	Mid	Close	A	10	21.82	Bottom	5	0	1	24	1:1	0.281	27.3	

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)													
793	23330	LTE Band 14	Mid	Open	A	10	23.17	Rear	10	0	1	0	1:1	0.385	27.3	24.6
793	23330	LTE Band 14	Mid	Open	A	10	23.17	Front	10	0	1	0	1:1	0.248	29.2	
793	23330	LTE Band 14	Mid	Open	A	10	23.17	Left	10	0	1	0	1:1	0.116	32.5	
793	23330	LTE Band 14	Mid	Open	A	10	23.17	Right	10	0	1	0	1:1	0.239	29.4	
793	23330	LTE Band 14	Mid	Open	A	10	23.17	Bottom	10	0	1	0	1:1	0.432	26.8	
793	23330	LTE Band 14	Mid	Close	A	10	23.17	Rear	5	0	1	0	1:1	0.727	24.6	
793	23330	LTE Band 14	Mid	Close	A	10	23.17	Front	5	0	1	0	1:1	0.230	29.6	
793	23330	LTE Band 14	Mid	Close	A	10	23.17	Left	5	0	1	0	1:1	0.121	32.3	
793	23330	LTE Band 14	Mid	Close	A	10	23.17	Right	5	0	1	0	1:1	0.078	34.2	
793	23330	LTE Band 14	Mid	Close	A	10	23.17	Bottom	5	0	1	0	1:1	0.302	28.4	
1860	26140	LTE Band 25	Low	Open	A	20	15.63	Rear	10	0	1	49	1:1	0.280	21.2	18.5
1860	26140	LTE Band 25	Low	Open	A	20	15.63	Front	10	0	1	49	1:1	0.200	22.6	
1860	26140	LTE Band 25	Low	Open	A	20	15.63	Left	10	0	1	49	1:1	0.044	29.2	
1860	26140	LTE Band 25	Low	Open	A	20	15.63	Right	10	0	1	49	1:1	0.022	32.2	
1860	26140	LTE Band 25	Low	Open	A	20	15.63	Bottom	10	0	1	49	1:1	0.489	18.7	
1860	26140	LTE Band 25	Low	Close	A	20	15.63	Rear	5	0	1	49	1:1	0.359	20.1	
1860	26140	LTE Band 25	Low	Close	A	20	15.63	Front	5	0	1	49	1:1	0.023	32.0	
1860	26140	LTE Band 25	Low	Close	A	20	15.63	Left	5	0	1	49	1:1	0.037	29.9	
1860	26140	LTE Band 25	Low	Close	A	20	15.63	Right	5	0	1	49	1:1	0.016	33.6	
1860	26140	LTE Band 25	Low	Close	A	20	15.63	Bottom	5	0	1	49	1:1	0.513	18.5	
1882.5	26365	LTE Band 25	Mid	Open	I	20	16.09	Rear	10	0	1	0	1:1	0.162	24.0	18.9
1882.5	26365	LTE Band 25	Mid	Open	I	20	16.09	Front	10	0	1	0	1:1	0.140	24.6	
1882.5	26365	LTE Band 25	Mid	Open	I	20	16.09	Right	10	0	1	0	1:1	0.302	21.3	
1882.5	26365	LTE Band 25	Mid	Open	I	20	16.09	Top	10	0	1	0	1:1	0.024	32.3	
1882.5	26365	LTE Band 25	Mid	Close	I	20	16.09	Rear	5	0	1	0	1:1	0.036	30.5	
1882.5	26365	LTE Band 25	Mid	Close	I	20	16.09	Front	5	0	1	0	1:1	0.414	19.9	
1882.5	26365	LTE Band 25	Mid	Close	I	20	16.09	Right	5	0	1	0	1:1	0.526	18.9	
1882.5	26365	LTE Band 25	Mid	Close	I	20	16.09	Top	5	0	1	0	1:1	0.001	46.1	
1882.5	26365	LTE Band 25	Mid	Close	I	20	16.09	Bottom	5	0	1	0	1:1	0.025	32.1	
831.5	26865	LTE Band 26	Mid	Open	A	15	22.44	Rear	10	0	1	36	1:1	0.317	27.4	26.3
831.5	26865	LTE Band 26	Mid	Open	A	15	22.44	Front	10	0	1	36	1:1	0.200	29.4	
831.5	26865	LTE Band 26	Mid	Open	A	15	22.44	Left	10	0	1	36	1:1	0.170	30.1	
831.5	26865	LTE Band 26	Mid	Open	A	15	22.44	Right	10	0	1	36	1:1	0.214	29.1	
831.5	26865	LTE Band 26	Mid	Open	A	15	22.44	Bottom	10	0	1	36	1:1	0.342	27.1	
831.5	26865	LTE Band 26	Mid	Close	A	15	22.44	Rear	5	0	1	36	1:1	0.415	26.3	
831.5	26865	LTE Band 26	Mid	Close	A	15	22.44	Front	5	0	1	36	1:1	0.085	33.1	
831.5	26865	LTE Band 26	Mid	Close	A	15	22.44	Left	5	0	1	36	1:1	0.120	31.6	
831.5	26865	LTE Band 26	Mid	Close	A	15	22.44	Right	5	0	1	36	1:1	0.109	32.1	
831.5	26865	LTE Band 26	Mid	Close	A	15	22.44	Bottom	5	0	1	36	1:1	0.285	27.9	

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)													
2 310	27710	LTE Band 30	Mid	Open	B	10	13.98	Rear	10	0	1	0	1:1	0.116	23.3	17.4
2 310	27710	LTE Band 30	Mid	Open	B	10	13.98	Front	10	0	1	0	1:1	0.083	24.8	
2 310	27710	LTE Band 30	Mid	Open	B	10	13.98	Left	10	0	1	0	1:1	0.030	29.2	
2 310	27710	LTE Band 30	Mid	Open	B	10	13.98	Bottom	10	0	1	0	1:1	0.331	18.8	
2 310	27710	LTE Band 30	Mid	Close	B	10	13.98	Rear	5	0	1	0	1:1	0.239	20.2	
2 310	27710	LTE Band 30	Mid	Close	B	10	13.98	Front	5	0	1	0	1:1	0.016	31.9	
2 310	27710	LTE Band 30	Mid	Close	B	10	13.98	Left	5	0	1	0	1:1	0.087	24.6	
2 310	27710	LTE Band 30	Mid	Close	B	10	13.98	Bottom	5	0	1	0	1:1	0.459	17.4	
2 310	27710	LTE Band 30	Mid	Open	I	10	18.11	Rear	10	0	1	0	1:1	0.205	25.0	19.6
2 310	27710	LTE Band 30	Mid	Open	I	10	18.11	Front	10	0	1	0	1:1	0.248	24.2	
2 310	27710	LTE Band 30	Mid	Open	I	10	18.11	Right	10	0	1	0	1:1	0.364	22.5	
2 310	27710	LTE Band 30	Mid	Open	I	10	18.11	Top	10	0	1	0	1:1	0.040	32.1	
2 310	27710	LTE Band 30	Mid	Close	I	10	18.11	Rear	5	0	1	0	1:1	0.121	27.3	
2 310	27710	LTE Band 30	Mid	Close	I	10	18.11	Front	5	0	1	0	1:1	0.474	21.4	
2 310	27710	LTE Band 30	Mid	Close	I	10	18.11	Right	5	0	1	0	1:1	0.711	19.6	
2 310	27710	LTE Band 30	Mid	Close	I	10	18.11	Top	5	0	1	0	1:1	0.031	33.2	
2 310	27710	LTE Band 30	Mid	Close	I	10	18.11	Bottom	5	0	1	0	1:1	0.078	29.2	
2 506	39750	LTE Band 41(PC3)	Low	Open	B	20	15.13	Rear	10	0	50	49	1:1.58	0.115	24.5	17.7
2 506	39750	LTE Band 41(PC3)	Low	Open	B	20	15.13	Front	10	0	50	49	1:1.58	0.084	25.9	
2 506	39750	LTE Band 41(PC3)	Low	Open	B	20	15.06	Left	10	0	1	99	1:1.58	0.024	31.3	
2 506	39750	LTE Band 41(PC3)	Low	Open	B	20	15.13	Bottom	10	0	50	49	1:1.58	0.389	19.2	
2 506	39750	LTE Band 41(PC3)	Low	Close	B	20	15.13	Rear	5	0	50	49	1:1.58	0.211	21.9	
2 506	39750	LTE Band 41(PC3)	Low	Close	B	20	15.13	Front	5	0	50	49	1:1.58	0.027	30.8	
2 506	39750	LTE Band 41(PC3)	Low	Close	B	20	15.13	Left	5	0	50	49	1:1.58	0.106	24.9	
2 593	40620	LTE Band 41(PC3)	Mid	Close	B	20	14.80	Bottom	5	0	50	0	1:1.58	0.517	17.7	
2 506	39750	LTE Band 41(PC2)	Low	Open	B	20	15.15	Bottom	10	0	50	49	1:2.31	0.332	19.9	17.6
2 593	40620	LTE Band 41(PC2)	Mid	Close	B	20	14.86	Bottom	5	0	50	0	1:2.31	0.538	17.6	
2 680	41490	LTE Band 41(PC3)	High	Open	I	20	16.89	Rear	10	0	50	0	1:1.58	0.129	25.8	18.7
2 680	41490	LTE Band 41(PC3)	High	Open	I	20	16.88	Front	10	0	1	0	1:1.58	0.107	26.6	
2 680	41490	LTE Band 41(PC3)	High	Open	I	20	16.89	Right	10	0	50	0	1:1.58	0.200	23.9	
2 680	41490	LTE Band 41(PC3)	High	Open	I	20	16.88	Top	10	0	1	0	1:1.58	0.024	33.1	
2 680	41490	LTE Band 41(PC3)	High	Close	I	20	16.89	Rear	5	0	50	0	1:1.58	0.152	25.1	
2 680	41490	LTE Band 41(PC3)	High	Close	I	20	16.88	Front	5	0	1	0	1:1.58	0.368	21.2	
2 680	41490	LTE Band 41(PC3)	High	Close	I	20	16.89	Right	5	0	50	0	1:1.58	0.666	18.7	
2 680	41490	LTE Band 41(PC3)	High	Close	I	20	16.88	Top	5	0	1	0	1:1.58	0.038	31.1	
2 680	41490	LTE Band 41(PC3)	High	Close	I	20	16.88	Bottom	5	0	1	0	1:1.58	0.061	29.0	
2 680	41490	LTE Band 41(PC2)	High	Open	I	20	17.00	Right	10	0	50	0	1:2.31	0.200	24.0	18.4
2 680	41490	LTE Band 41(PC2)	High	Close	I	20	17.00	Right	5	0	50	0	1:2.31	0.726	18.4	

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)													
3 560	55340	LTE Band 48	Low	Open	F	20	16.10	Rear	10	0	50	49	1:1.58	0.199	23.1	18.9
3 560	55340	LTE Band 48	Low	Open	F	20	16.10	Front	10	0	50	49	1:1.58	0.111	25.6	
3 560	55340	LTE Band 48	Low	Open	F	20	16.10	Left	10	0	50	49	1:1.58	0.228	22.5	
3 560	55340	LTE Band 48	Low	Open	F	20	16.10	Top	10	0	50	49	1:1.58	0.132	24.9	
3 560	55340	LTE Band 48	Low	Close	F	20	16.10	Rear	5	0	50	49	1:1.58	0.042	29.9	
3 560	55340	LTE Band 48	Low	Close	F	20	16.10	Front	5	0	50	49	1:1.58	0.345	20.7	
3 560	55340	LTE Band 48	Low	Close	F	20	16.10	Left	5	0	50	49	1:1.58	0.520	18.9	
3 560	55340	LTE Band 48	Low	Close	F	20	16.10	Bottom	5	0	50	49	1:1.58	0.243	22.2	
1 745	132322	LTE Band 66	Mid	Open	A	20	16.44	Rear	10	0	1	49	1:1	0.220	23.0	19.3
1 745	132322	LTE Band 66	Mid	Open	A	20	16.44	Front	10	0	1	49	1:1	0.139	25.0	
1 745	132322	LTE Band 66	Mid	Open	A	20	16.44	Left	10	0	1	49	1:1	0.035	31.0	
1 745	132322	LTE Band 66	Mid	Open	A	20	16.44	Right	10	0	1	49	1:1	0.019	33.7	
1 745	132322	LTE Band 66	Mid	Open	A	20	16.44	Bottom	10	0	1	49	1:1	0.360	20.9	
1 745	132322	LTE Band 66	Mid	Close	A	20	16.44	Rear	5	0	1	49	1:1	0.295	21.7	
1 745	132322	LTE Band 66	Mid	Close	A	20	16.44	Front	5	0	1	49	1:1	0.062	28.5	
1 745	132322	LTE Band 66	Mid	Close	A	20	16.44	Left	5	0	1	49	1:1	0.058	28.8	
1 745	132322	LTE Band 66	Mid	Close	A	20	16.44	Right	5	0	1	49	1:1	0.012	35.6	
1 745	132322	LTE Band 66	Mid	Close	A	20	16.44	Bottom	5	0	1	49	1:1	0.516	19.3	
1 770	132572	LTE Band 66	High	Open	I	20	17.31	Rear	10	0	1	0	1:1	0.257	23.2	18.8
1 770	132572	LTE Band 66	High	Open	I	20	17.31	Front	10	0	1	0	1:1	0.242	23.5	
1 770	132572	LTE Band 66	High	Open	I	20	17.31	Right	10	0	1	0	1:1	0.468	20.6	
1 770	132572	LTE Band 66	High	Open	I	20	17.31	Top	10	0	1	0	1:1	0.033	32.1	
1 770	132572	LTE Band 66	High	Close	I	20	17.31	Rear	5	0	1	0	1:1	0.042	31.1	
1 770	132572	LTE Band 66	High	Close	I	20	17.31	Front	5	0	1	0	1:1	0.555	19.9	
1 770	132572	LTE Band 66	High	Close	I	20	17.31	Right	5	0	1	0	1:1	0.704	18.8	
1 770	132572	LTE Band 66	High	Close	I	20	17.31	Top	5	0	1	0	1:1	0.001	47.3	
1 770	132572	LTE Band 66	High	Close	I	20	17.31	Bottom	5	0	1	0	1:1	0.039	31.4	
680.5	133297	LTE Band 71	Mid	Open	A	20	24.01	Rear	10	0	1	99	1:1	0.307	29.1	26.4
680.5	133297	LTE Band 71	Mid	Open	A	20	24.01	Front	10	0	1	99	1:1	0.249	30.0	
680.5	133297	LTE Band 71	Mid	Open	A	20	24.01	Left	10	0	1	99	1:1	0.060	36.2	
680.5	133297	LTE Band 71	Mid	Open	A	20	24.01	Right	10	0	1	99	1:1	0.040	38.0	
680.5	133297	LTE Band 71	Mid	Open	A	20	24.01	Bottom	10	0	1	99	1:1	0.062	36.1	
680.5	133297	LTE Band 71	Mid	Close	A	20	24.01	Rear	5	0	1	99	1:1	0.580	26.4	
680.5	133297	LTE Band 71	Mid	Close	A	20	24.01	Front	5	0	1	99	1:1	0.112	33.5	
680.5	133297	LTE Band 71	Mid	Close	A	20	24.01	Left	5	0	1	99	1:1	0.089	34.5	
680.5	133297	LTE Band 71	Mid	Close	A	20	24.01	Right	5	0	1	99	1:1	0.049	37.1	
680.5	133297	LTE Band 71	Mid	Close	A	20	24.01	Bottom	5	0	1	99	1:1	0.202	31.0	

Table A-11 DSI = 3 *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	Minimum Plimit		
MHz	Ch.															MHz	(dBm)
2 535	507000	NR Band n7	Mid	Open	B	40	16.67	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.224	23.2	18.0
2 535	507000	NR Band n7	Mid	Open	B	40	16.67	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.163	24.5	
2 535	507000	NR Band n7	Mid	Open	B	40	16.67	Left	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.058	29.0	
2 535	507000	NR Band n7	Mid	Open	B	40	16.67	Bottom	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.479	19.9	
2 535	507000	NR Band n7	Mid	Close	B	40	16.67	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.358	21.1	
2 535	507000	NR Band n7	Mid	Close	B	40	16.67	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.063	28.7	
2 535	507000	NR Band n7	Mid	Close	B	40	16.67	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.361	21.1	
2 535	507000	NR Band n7	Mid	Close	B	40	16.67	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.730	18.0	
2 535	507000	NR Band n7	Mid	Open	I	40	18.81	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.270	24.5	19.7
2 535	507000	NR Band n7	Mid	Open	I	40	18.81	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.245	24.9	
2 535	507000	NR Band n7	Mid	Open	I	40	18.81	Right	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.358	23.3	
2 535	507000	NR Band n7	Mid	Open	I	40	18.81	Top	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.083	29.6	
2 535	507000	NR Band n7	Mid	Close	I	40	18.81	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.216	25.5	
2 535	507000	NR Band n7	Mid	Close	I	40	18.81	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.684	20.5	
2 535	507000	NR Band n7	Mid	Close	I	40	18.81	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.815	19.7	
2 535	507000	NR Band n7	Mid	Close	I	40	18.81	Top	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.046	32.2	
2 535	507000	NR Band n7	Mid	Close	I	40	18.81	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.110	28.4	
707.5	141500	NR Band n12	Mid	Open	A	15	22.36	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.280	27.9	24.8
707.5	141500	NR Band n12	Mid	Open	A	15	22.36	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.191	29.5	
707.5	141500	NR Band n12	Mid	Open	A	15	22.36	Left	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.166	30.2	
707.5	141500	NR Band n12	Mid	Open	A	15	22.36	Right	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.236	28.6	
707.5	141500	NR Band n12	Mid	Open	A	15	22.36	Bottom	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.068	34.0	
707.5	141500	NR Band n12	Mid	Close	A	15	22.36	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.564	24.8	
707.5	141500	NR Band n12	Mid	Close	A	15	22.36	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.138	31.0	
707.5	141500	NR Band n12	Mid	Close	A	15	22.36	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.147	30.7	
707.5	141500	NR Band n12	Mid	Close	A	15	22.36	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.063	34.4	
707.5	141500	NR Band n12	Mid	Close	A	15	22.36	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.230	28.7	

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	Minimu Plimit
MHz	Ch.					MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
1882.5	376500	NR Band n25	Mid	Open	A	40	16.15	Rear	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.323	21.1	17.9
1882.5	376500	NR Band n25	Mid	Open	A	40	16.15	Front	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.200	23.1	
1882.5	376500	NR Band n25	Mid	Open	A	40	16.15	Left	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.044	29.7	
1882.5	376500	NR Band n25	Mid	Open	A	40	16.15	Right	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.015	34.4	
1882.5	376500	NR Band n25	Mid	Open	A	40	16.15	Bottom	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.474	19.4	
1882.5	376500	NR Band n25	Mid	Close	A	40	16.15	Rear	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.458	19.5	
1882.5	376500	NR Band n25	Mid	Close	A	40	16.15	Front	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.128	25.1	
1882.5	376500	NR Band n25	Mid	Close	A	40	16.15	Left	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.038	30.4	
1882.5	376500	NR Band n25	Mid	Close	A	40	16.15	Right	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.014	34.7	
1882.5	376500	NR Band n25	Mid	Close	A	40	16.15	Bottom	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.676	17.9	
1882.5	376500	NR Band n25	Mid	Open	I	40	16.37	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.159	24.4	16.8
1882.5	376500	NR Band n25	Mid	Open	I	40	16.37	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.122	25.5	
1882.5	376500	NR Band n25	Mid	Open	I	40	16.37	Right	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.333	21.1	
1882.5	376500	NR Band n25	Mid	Open	I	40	16.37	Top	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.034	31.1	
1882.5	376500	NR Band n25	Mid	Close	I	40	16.37	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.033	31.2	
1882.5	376500	NR Band n25	Mid	Close	I	40	16.37	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.463	19.7	
1882.5	376500	NR Band n25	Mid	Close	I	40	16.37	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.897	16.8	
1882.5	376500	NR Band n25	Mid	Close	I	40	16.37	Top	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.0083	37.3	
1882.5	376500	NR Band n25	Mid	Close	I	40	16.37	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.039	30.5	
831.5	166300	NR Band n26	Mid	Open	A	20	22.81	Rear	DFT-s-OFDM QPSK	0	10	1	53	1:1	0.320	27.8	25.6
831.5	166300	NR Band n26	Mid	Open	A	20	22.81	Front	DFT-s-OFDM QPSK	0	10	1	53	1:1	0.089	33.3	
831.5	166300	NR Band n26	Mid	Open	A	20	22.81	Left	DFT-s-OFDM QPSK	0	10	1	53	1:1	0.167	30.6	
831.5	166300	NR Band n26	Mid	Open	A	20	22.81	Right	DFT-s-OFDM QPSK	0	10	1	53	1:1	0.256	28.7	
831.5	166300	NR Band n26	Mid	Open	A	20	22.81	Bottom	DFT-s-OFDM QPSK	0	10	1	53	1:1	0.089	33.3	
831.5	166300	NR Band n26	Mid	Close	A	20	22.81	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.522	25.6	
831.5	166300	NR Band n26	Mid	Close	A	20	22.81	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.067	34.5	
831.5	166300	NR Band n26	Mid	Close	A	20	22.81	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.164	30.7	
831.5	166300	NR Band n26	Mid	Close	A	20	22.81	Right	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.095	33.0	
831.5	166300	NR Band n26	Mid	Close	A	20	22.81	Bottom	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.237	29.1	

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	Minimu Plimit
MHz	Ch.					MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
2 310	462000	NR Band n30	Mid	Open	B	10	14.17	Rear	DFT-s-OFDM QPSK	0	10	1	50	1:1	0.176	21.7	16.0
2 310	462000	NR Band n30	Mid	Open	B	10	14.17	Front	DFT-s-OFDM QPSK	0	10	1	50	1:1	0.139	22.7	
2 310	462000	NR Band n30	Mid	Open	B	10	14.17	Left	DFT-s-OFDM QPSK	0	10	1	50	1:1	0.032	29.1	
2 310	462000	NR Band n30	Mid	Open	B	10	14.17	Bottom	DFT-s-OFDM QPSK	0	10	1	50	1:1	0.337	18.9	
2 310	462000	NR Band n30	Mid	Close	B	10	14.17	Rear	DFT-s-OFDM QPSK	0	5	1	50	1:1	0.262	20.0	
2 310	462000	NR Band n30	Mid	Close	B	10	14.17	Front	DFT-s-OFDM QPSK	0	5	1	50	1:1	0.023	30.6	
2 310	462000	NR Band n30	Mid	Close	B	10	14.17	Left	DFT-s-OFDM QPSK	0	5	1	50	1:1	0.172	21.8	
2 310	462000	NR Band n30	Mid	Close	B	10	14.17	Bottom	DFT-s-OFDM QPSK	0	5	1	50	1:1	0.657	16.0	
2 310	462000	NR Band n30	Mid	Open	I	10	17.84	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.282	23.3	18.7
2 310	462000	NR Band n30	Mid	Open	I	10	17.84	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.235	24.1	
2 310	462000	NR Band n30	Mid	Open	I	10	17.84	Right	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.376	22.1	
2 310	462000	NR Band n30	Mid	Open	I	10	17.84	Top	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.045	31.3	
2 310	462000	NR Band n30	Mid	Close	I	10	17.84	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.122	27.0	
2 310	462000	NR Band n30	Mid	Close	I	10	17.84	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.814	18.7	
2 310	462000	NR Band n30	Mid	Close	I	10	17.84	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.730	19.2	
2 310	462000	NR Band n30	Mid	Close	I	10	17.84	Top	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.040	31.8	
2 310	462000	NR Band n30	Mid	Close	I	10	17.84	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.078	28.9	
2 595	519000	NR Band n38	Mid	Open	B	40	15.36	Rear	DFT-s-OFDM QPSK	0	10	50	0	1:1	0.123	24.5	17.5
2 595	519000	NR Band n38	Mid	Open	B	40	15.36	Front	DFT-s-OFDM QPSK	0	10	50	0	1:1	0.100	25.4	
2 595	519000	NR Band n38	Mid	Open	B	40	15.33	Left	DFT-s-OFDM QPSK	0	10	1	104	1:1	0.041	29.2	
2 595	519000	NR Band n38	Mid	Open	B	40	15.36	Bottom	DFT-s-OFDM QPSK	0	10	50	0	1:1	0.386	19.5	
2 595	519000	NR Band n38	Mid	Close	B	40	15.36	Rear	DFT-s-OFDM QPSK	0	5	50	0	1:1	0.385	19.5	
2 595	519000	NR Band n38	Mid	Close	B	40	15.33	Front	DFT-s-OFDM QPSK	0	5	1	104	1:1	0.036	29.8	
2 595	519000	NR Band n38	Mid	Close	B	40	15.33	Left	DFT-s-OFDM QPSK	0	5	1	104	1:1	0.102	25.2	
2 595	519000	NR Band n38	Mid	Close	B	40	15.36	Bottom	DFT-s-OFDM QPSK	0	5	50	0	1:1	0.615	17.5	
2 592.99	518598	NR Band n41	Mid	Open	I	100	17.70	Rear	DFT-s-OFDM QPSK	0	10	135	69	1:1	0.222	24.2	18.2
2 592.99	518598	NR Band n41	Mid	Open	I	100	17.70	Front	DFT-s-OFDM QPSK	0	10	135	69	1:1	0.234	24.0	
2 592.99	518598	NR Band n41	Mid	Open	I	100	17.70	Right	DFT-s-OFDM QPSK	0	10	135	69	1:1	0.337	22.4	
2 592.99	518598	NR Band n41	Mid	Open	I	100	17.66	Top	DFT-s-OFDM QPSK	0	10	1	271	1:1	0.018	35.1	
2 592.99	518598	NR Band n41	Mid	Close	I	100	17.66	Rear	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.141	26.2	
2 592.99	518598	NR Band n41	Mid	Close	I	100	17.66	Front	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.604	19.8	
2 592.99	518598	NR Band n41	Mid	Close	I	100	17.56	Right	CP-OFDM QPSK	0	5	270	0	1:1	0.859	18.2	
2 592.99	518598	NR Band n41	Mid	Close	I	100	17.66	Top	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.041	31.5	
2 592.99	518598	NR Band n41	Mid	Close	I	100	17.70	Bottom	DFT-s-OFDM QPSK	0	5	135	69	1:1	0.112	27.2	
2 592.99	518598	NR n41 SRS2	Mid	Open	B	100	13.02	Rear	CW	0	10	-	-	1:1	0.094	23.3	16.0
2 592.99	518598	NR n41 SRS2	Mid	Open	B	100	13.02	Front	CW	0	10	-	-	1:1	0.123	22.1	
2 592.99	518598	NR n41 SRS2	Mid	Open	B	100	13.02	Left	CW	0	10	-	-	1:1	0.051	25.9	
2 592.99	518598	NR n41 SRS2	Mid	Open	B	100	13.02	Bottom	CW	0	10	-	-	1:1	0.330	17.8	
2 592.99	518598	NR n41 SRS2	Mid	Close	B	100	13.02	Rear	CW	0	5	-	-	1:1	0.223	19.5	
2 592.99	518598	NR n41 SRS2	Mid	Close	B	100	13.02	Front	CW	0	5	-	-	1:1	0.031	28.1	
2 592.99	518598	NR n41 SRS2	Mid	Close	B	100	13.02	Left	CW	0	5	-	-	1:1	0.123	22.1	
2 592.99	518598	NR n41 SRS2	Mid	Close	B	100	13.02	Bottom	CW	0	5	-	-	1:1	0.504	16.0	

MEASUREMENT RESULTS																	
Frequency		Mode		Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimu Plimit
MHz	Ch.					MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
2 592.99	518598	NR n41 SRS3	Mid	Open	F	100	15.21	Rear	CW	0	10	-	-	1:1	0.144	23.6	20.2
2 592.99	518598	NR n41 SRS3	Mid	Open	F	100	15.21	Front	CW	0	10	-	-	1:1	0.152	23.4	
2 592.99	518598	NR n41 SRS3	Mid	Open	F	100	15.21	Left	CW	0	10	-	-	1:1	0.143	23.7	
2 592.99	518598	NR n41 SRS3	Mid	Open	F	100	15.21	Top	CW	0	10	-	-	1:1	0.050	28.2	
2 592.99	518598	NR n41 SRS3	Mid	Close	F	100	15.21	Rear	CW	0	5	-	-	1:1	0.048	28.4	
2 592.99	518598	NR n41 SRS3	Mid	Close	F	100	15.21	Front	CW	0	5	-	-	1:1	0.319	20.2	
2 592.99	518598	NR n41 SRS3	Mid	Close	F	100	15.21	Left	CW	0	5	-	-	1:1	0.286	20.6	
2 592.99	518598	NR n41 SRS3	Mid	Close	F	100	15.21	Bottom	CW	0	5	-	-	1:1	0.093	25.5	
2 592.99	518598	NR n41 SRS4	Mid	Open	C	100	10.46	Rear	CW	0	10	-	-	1:1	0.048	23.6	17.2
2 592.99	518598	NR n41 SRS4	Mid	Open	C	100	10.46	Front	CW	0	10	-	-	1:1	0.059	22.8	
2 592.99	518598	NR n41 SRS4	Mid	Open	C	100	10.46	Left	CW	0	10	-	-	1:1	0.064	22.4	
2 592.99	518598	NR n41 SRS4	Mid	Open	C	100	10.46	Bottom	CW	0	10	-	-	1:1	0.013	29.3	
2 592.99	518598	NR n41 SRS4	Mid	Close	C	100	10.46	Rear	CW	0	5	-	-	1:1	0.098	20.5	
2 592.99	518598	NR n41 SRS4	Mid	Close	C	100	10.46	Front	CW	0	5	-	-	1:1	0.011	30.0	
2 592.99	518598	NR n41 SRS4	Mid	Close	C	100	10.46	Left	CW	0	5	-	-	1:1	0.214	17.2	
2 592.99	518598	NR n41 SRS4	Mid	Close	C	100	10.46	Top	CW	0	5	-	-	1:1	0	N/A	
2 592.99	518598	NR n41 SRS4	Mid	Close	C	100	10.46	Bottom	CW	0	5	-	-	1:1	0.014	29.0	
3 624.99	641666	NR Band n48	Mid	Open	F	40	16.05	Rear	DFT-s-OFDM QPSK	0	10	50	28	1:1	0.155	24.1	19.0
3 624.99	641666	NR Band n48	Mid	Open	F	40	16.05	Front	DFT-s-OFDM QPSK	0	10	50	28	1:1	0.156	24.1	
3 624.99	641666	NR Band n48	Mid	Open	F	40	16.05	Left	DFT-s-OFDM QPSK	0	10	50	28	1:1	0.178	23.5	
3 624.99	641666	NR Band n48	Mid	Open	F	40	16.05	Top	DFT-s-OFDM QPSK	0	10	50	28	1:1	0.100	26.1	
3 624.99	641666	NR Band n48	Mid	Close	F	40	16.05	Rear	DFT-s-OFDM QPSK	0	5	50	28	1:1	0.046	29.4	
3 624.99	641666	NR Band n48	Mid	Close	F	40	16.15	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.524	19.0	
3 624.99	641666	NR Band n48	Mid	Close	F	40	16.15	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.491	19.2	
3 624.99	641666	NR Band n48	Mid	Close	F	40	16.05	Bottom	DFT-s-OFDM QPSK	0	5	50	28	1:1	0.195	23.1	
3 570	638000	NR n48 SRS2	Low	Open	I	40	16.65	Rear	CW	0	10	-	-	1:1	0.051	29.6	20.7
3 570	638000	NR n48 SRS2	Low	Open	I	40	16.65	Front	CW	0	10	-	-	1:1	0.034	31.3	
3 570	638000	NR n48 SRS2	Low	Open	I	40	16.65	Right	CW	0	10	-	-	1:1	0.152	24.8	
3 570	638000	NR n48 SRS2	Low	Open	I	40	16.65	Top	CW	0	10	-	-	1:1	0.00264	41.9	
3 570	638000	NR n48 SRS2	Low	Close	I	40	16.65	Rear	CW	0	5	-	-	1:1	0.00721	38.2	
3 570	638000	NR n48 SRS2	Low	Close	I	40	16.65	Front	CW	0	5	-	-	1:1	0.147	25.0	
3 570	638000	NR n48 SRS2	Low	Close	I	40	16.65	Right	CW	0	5	-	-	1:1	0.397	20.7	
3 570	638000	NR n48 SRS2	Low	Close	I	40	16.65	Top	CW	0	5	-	-	1:1	0.00956	36.6	
3 570	638000	NR n48 SRS2	Low	Close	I	40	16.65	Bottom	CW	0	5	-	-	1:1	0.014	35.2	

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)
3 570	638000	NR n48 SRS3	Low	Open	E	40	16.58	Rear	CW	0	10	-	-	1:1	0.040	30.6	22.9
3 570	638000	NR n48 SRS3	Low	Open	E	40	16.58	Front	CW	0	10	-	-	1:1	0.056	29.1	
3 570	638000	NR n48 SRS3	Low	Open	E	40	16.58	Left	CW	0	10	-	-	1:1	0.067	28.3	
3 570	638000	NR n48 SRS3	Low	Open	E	40	16.58	Top	CW	0	10	-	-	1:1	0	N/A	
3 570	638000	NR n48 SRS3	Low	Close	E	40	16.58	Rear	CW	0	5	-	-	1:1	0.062	28.7	
3 570	638000	NR n48 SRS3	Low	Close	E	40	16.58	Front	CW	0	5	-	-	1:1	0.231	22.9	
3 570	638000	NR n48 SRS3	Low	Close	E	40	16.58	Left	CW	0	5	-	-	1:1	0.229	23.0	
3 570	638000	NR n48 SRS3	Low	Close	E	40	16.58	Top	CW	0	5	-	-	1:1	0.00294	41.8	
3 570	638000	NR n48 SRS3	Low	Close	E	40	16.58	Bottom	CW	0	5	-	-	1:1	0.00459	39.6	
3 570	638000	NR n48 SRS4	Low	Open	C	40	10.31	Rear	CW	0	10	-	-	1:1	0.040	24.3	18.8
3 570	638000	NR n48 SRS4	Low	Open	C	40	10.31	Front	CW	0	10	-	-	1:1	0.022	26.9	
3 570	638000	NR n48 SRS4	Low	Open	C	40	10.31	Left	CW	0	10	-	-	1:1	0.080	21.3	
3 570	638000	NR n48 SRS4	Low	Open	C	40	10.31	Bottom	CW	0	10	-	-	1:1	0	N/A	
3 570	638000	NR n48 SRS4	Low	Close	C	40	10.31	Rear	CW	0	5	-	-	1:1	0.085	21.0	
3 570	638000	NR n48 SRS4	Low	Close	C	40	10.31	Front	CW	0	5	-	-	1:1	0	N/A	
3 570	638000	NR n48 SRS4	Low	Close	C	40	10.31	Left	CW	0	5	-	-	1:1	0.142	18.8	
3 570	638000	NR n48 SRS4	Low	Close	C	40	10.31	Top	CW	0	5	-	-	1:1	0.00261	35.5	
3 570	638000	NR n48 SRS4	Low	Close	C	40	10.31	Bottom	CW	0	5	-	-	1:1	0.005	33.3	
1 745	349000	NR Band n66	Mid	Open	A	40	17.60	Rear	DFT-s-OFDM QPSK	0	10	1	108	1:1	0.431	21.3	18.6
1 745	349000	NR Band n66	Mid	Open	A	40	17.60	Front	DFT-s-OFDM QPSK	0	10	1	108	1:1	0.262	23.4	
1 745	349000	NR Band n66	Mid	Open	A	40	17.60	Left	DFT-s-OFDM QPSK	0	10	1	108	1:1	0.060	29.8	
1 745	349000	NR Band n66	Mid	Open	A	40	17.60	Right	DFT-s-OFDM QPSK	0	10	1	108	1:1	0.036	32.0	
1 745	349000	NR Band n66	Mid	Open	A	40	17.60	Bottom	DFT-s-OFDM QPSK	0	10	1	108	1:1	0.795	18.6	
1 745	349000	NR Band n66	Mid	Close	A	40	17.60	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.544	20.2	
1 745	349000	NR Band n66	Mid	Close	A	40	17.60	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.092	28.0	
1 745	349000	NR Band n66	Mid	Close	A	40	17.60	Left	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.115	27.0	
1 745	349000	NR Band n66	Mid	Close	A	40	17.60	Right	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.016	35.6	
1 745	349000	NR Band n66	Mid	Close	A	40	17.60	Bottom	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.770	18.7	
1 745	349000	NR Band n66	Mid	Open	I	40	17.06	Rear	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.148	25.4	21.3
1 745	349000	NR Band n66	Mid	Open	I	40	17.06	Front	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.117	26.4	
1 745	349000	NR Band n66	Mid	Open	I	40	17.06	Right	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.303	22.2	
1 745	349000	NR Band n66	Mid	Open	I	40	17.06	Top	DFT-s-OFDM QPSK	0	10	1	214	1:1	0.020	34.0	
1 745	349000	NR Band n66	Mid	Close	I	40	17.06	Rear	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.00458	40.1	
1 745	349000	NR Band n66	Mid	Close	I	40	17.06	Front	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.086	27.7	
1 745	349000	NR Band n66	Mid	Close	I	40	17.06	Right	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.378	21.3	
1 745	349000	NR Band n66	Mid	Close	I	40	17.06	Top	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.019	34.3	
1 745	349000	NR Band n66	Mid	Close	I	40	17.06	Bottom	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.030	32.3	

MEASUREMENT RESULTS																	
Frequency		Mode		Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimu Plimit
MHz	Ch.					MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
1702.5	340500	NR Band n70	Mid	Open	A	15	17.22	Rear	DFT-s-OFDM QPSK	0	10	1	40	1:1	0.152	25.4	22.4
1702.5	340500	NR Band n70	Mid	Open	A	15	17.22	Front	DFT-s-OFDM QPSK	0	10	1	40	1:1	0.111	26.8	
1702.5	340500	NR Band n70	Mid	Open	A	15	17.22	Left	DFT-s-OFDM QPSK	0	10	1	40	1:1	0.021	34.0	
1702.5	340500	NR Band n70	Mid	Open	A	15	17.22	Right	DFT-s-OFDM QPSK	0	10	1	40	1:1	0.016	35.2	
1702.5	340500	NR Band n70	Mid	Open	A	15	17.22	Bottom	DFT-s-OFDM QPSK	0	10	1	40	1:1	0.196	24.3	
1702.5	340500	NR Band n70	Mid	Close	A	15	17.22	Rear	DFT-s-OFDM QPSK	0	5	1	40	1:1	0.208	24.0	
1702.5	340500	NR Band n70	Mid	Close	A	15	17.22	Front	DFT-s-OFDM QPSK	0	5	1	40	1:1	0.042	31.0	
1702.5	340500	NR Band n70	Mid	Close	A	15	17.22	Left	DFT-s-OFDM QPSK	0	5	1	40	1:1	0.026	33.1	
1702.5	340500	NR Band n70	Mid	Close	A	15	17.22	Right	DFT-s-OFDM QPSK	0	5	1	40	1:1	0.00559	39.4	
1702.5	340500	NR Band n70	Mid	Close	A	15	17.22	Bottom	DFT-s-OFDM QPSK	0	5	1	40	1:1	0.303	22.4	
1702.5	340500	NR Band n70	Mid	Open	I	15	16.75	Rear	DFT-s-OFDM QPSK	0	10	1	77	1:1	0.109	26.4	19.8
1702.5	340500	NR Band n70	Mid	Open	I	15	16.75	Front	DFT-s-OFDM QPSK	0	10	1	77	1:1	0.081	27.7	
1702.5	340500	NR Band n70	Mid	Open	I	15	16.75	Right	DFT-s-OFDM QPSK	0	10	1	77	1:1	0.173	24.4	
1702.5	340500	NR Band n70	Mid	Open	I	15	16.75	Top	DFT-s-OFDM QPSK	0	10	1	77	1:1	0.013	35.6	
1702.5	340500	NR Band n70	Mid	Close	I	15	16.75	Rear	DFT-s-OFDM QPSK	0	5	1	77	1:1	0.014	35.3	
1702.5	340500	NR Band n70	Mid	Close	I	15	16.75	Front	DFT-s-OFDM QPSK	0	5	1	77	1:1	0.200	23.7	
1702.5	340500	NR Band n70	Mid	Close	I	15	16.75	Right	DFT-s-OFDM QPSK	0	5	1	77	1:1	0.497	19.8	
1702.5	340500	NR Band n70	Mid	Close	I	15	16.75	Top	DFT-s-OFDM QPSK	0	5	1	77	1:1	0.0012	46.7	
1702.5	340500	NR Band n70	Mid	Close	I	15	16.75	Bottom	DFT-s-OFDM QPSK	0	5	1	77	1:1	0.014	35.3	
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Rear	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.115	33.8	27.3
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Front	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.062	36.5	
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Left	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.282	29.9	
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Right	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.245	30.5	
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Bottom	DFT-s-OFDM QPSK	0	10	1	1	1:1	0.053	37.2	
680.5	136100	NR Band n71	Mid	Close	A	20	24.44	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.515	27.3	
680.5	136100	NR Band n71	Mid	Close	A	20	24.44	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.074	35.7	
680.5	136100	NR Band n71	Mid	Close	A	20	24.44	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.133	33.2	
680.5	136100	NR Band n71	Mid	Close	A	20	24.44	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.061	36.6	
680.5	136100	NR Band n71	Mid	Close	A	20	24.44	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.198	31.5	
3 930	662000	NR Band n77	High	Open	F	100	16.77	Rear	DFT-s-OFDM QPSK	0	10	1	271	1:1	0.288	22.2	17.5
3 930	662000	NR Band n77	High	Open	F	100	16.77	Front	DFT-s-OFDM QPSK	0	10	1	271	1:1	0.114	26.2	
3 930	662000	NR Band n77	High	Open	F	100	16.93	Left	DFT-s-OFDM QPSK	0	10	135	0	1:1	0.264	22.7	
3 930	662000	NR Band n77	High	Open	F	100	16.77	Top	DFT-s-OFDM QPSK	0	10	1	271	1:1	0.198	23.8	
3 930	662000	NR Band n77	High	Close	F	100	16.77	Rear	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.147	25.1	
3 930	662000	NR Band n77	High	Close	F	100	16.77	Front	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.395	20.8	
3 930	662000	NR Band n77	High	Close	F	100	16.77	Left	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.852	17.5	
3 930	662000	NR Band n77	High	Close	F	100	16.77	Bottom	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.408	20.7	
3 500.01	633334	NR Band n77	Mid	Open	F	100	16.9	Rear	DFT-s-OFDM QPSK	0	10	1	271	1:1	0.261	22.7	18.3
3 500.01	633334	NR Band n77	Mid	Close	F	100	16.9	Left	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.726	18.3	

MEASUREMENT RESULTS																		
Frequency		Mode			Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimu Plimit
Mhz	Ch.					Mhz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)	
3 750	650000	NR n77 SRS2	Low	Open	I	100	16.06	Rear	CW	0	10	-	-	1:1	0.064	28.0	18.6	
3 750	650000	NR n77 SRS2	Low	Open	I	100	16.06	Front	CW	0	10	-	-	1:1	0.032	31.0		
3 750	650000	NR n77 SRS2	Low	Open	I	100	16.06	Right	CW	0	10	-	-	1:1	0.124	25.1		
3 750	650000	NR n77 SRS2	Low	Open	I	100	16.06	Top	CW	0	10	-	-	1:1	0.011	35.6		
3 750	650000	NR n77 SRS2	Low	Close	I	100	16.06	Rear	CW	0	5	-	-	1:1	0.008	37.0		
3 750	650000	NR n77 SRS2	Low	Close	I	100	16.06	Front	CW	0	5	-	-	1:1	0.338	20.8		
3 750	650000	NR n77 SRS2	Low	Close	I	100	16.06	Right	CW	0	5	-	-	1:1	0.560	18.6		
3 750	650000	NR n77 SRS2	Low	Close	I	100	16.06	Top	CW	0	5	-	-	1:1	0.025	32.1		
3 750	650000	NR n77 SRS2	Low	Close	I	100	16.06	Bottom	CW	0	5	-	-	1:1	0.022	32.6		
3 500.01	633334	NR n77 DoD SRS2	Mid	Open	I	100	15.64	Right	CW	0	10	-	-	1:1	0.290	21.0	16.8	
3 500.01	633334	NR n77 DoD SRS2	Mid	Close	I	100	15.64	Right	CW	0	5	-	-	1:1	0.769	16.8		
3 930	662000	NR n77 SRS3	High	Open	E	100	15.82	Rear	CW	0	10	-	-	1:1	0.091	26.2	20.8	
3 930	662000	NR n77 SRS3	High	Open	E	100	15.82	Front	CW	0	10	-	-	1:1	0.053	28.6		
3 930	662000	NR n77 SRS3	High	Open	E	100	15.82	Left	CW	0	10	-	-	1:1	0.191	23.0		
3 930	662000	NR n77 SRS3	High	Open	E	100	15.82	Top	CW	0	10	-	-	1:1	0.010	35.8		
3 930	662000	NR n77 SRS3	High	Close	E	100	15.82	Rear	CW	0	5	-	-	1:1	0.109	25.4		
3 930	662000	NR n77 SRS3	High	Close	E	100	15.82	Front	CW	0	5	-	-	1:1	0.174	23.4		
3 930	662000	NR n77 SRS3	High	Close	E	100	15.82	Left	CW	0	5	-	-	1:1	0.321	20.8		
3 930	662000	NR n77 SRS3	High	Close	E	100	15.82	Top	CW	0	5	-	-	1:1	0.010	35.8		
3 930	662000	NR n77 SRS3	High	Close	E	100	15.82	Bottom	CW	0	5	-	-	1:1	0.014	34.4		
3 500.01	633334	NR n77 DoD SRS3	Mid	Open	E	100	15.58	Left	CW	0	10	-	-	1:1	0.121	24.8	20.6	
3 500.01	633334	NR n77 DoD SRS3	Mid	Close	E	100	15.58	Left	CW	0	5	-	-	1:1	0.314	20.6		
3 750	650000	NR n77 SRS4	Low	Open	C	100	10.38	Rear	CW	0	10	-	-	1:1	0.047	23.7	18.0	
3 750	650000	NR n77 SRS4	Low	Open	C	100	10.38	Front	CW	0	10	-	-	1:1	0.029	25.8		
3 750	650000	NR n77 SRS4	Low	Open	C	100	10.38	Right	CW	0	10	-	-	1:1	0.120	19.6		
3 750	650000	NR n77 SRS4	Low	Open	C	100	10.38	Top	CW	0	10	-	-	1:1	0.017	28.1		
3 750	650000	NR n77 SRS4	Low	Close	C	100	10.38	Rear	CW	0	5	-	-	1:1	0.073	21.7		
3 750	650000	NR n77 SRS4	Low	Close	C	100	10.38	Front	CW	0	5	-	-	1:1	0.007	31.9		
3 750	650000	NR n77 SRS4	Low	Close	C	100	10.38	Right	CW	0	5	-	-	1:1	0.172	18.0		
3 750	650000	NR n77 SRS4	Low	Close	C	100	10.38	Top	CW	0	5	-	-	1:1	0.001	40.4		
3 750	650000	NR n77 SRS4	Low	Close	C	100	10.38	Bottom	CW	0	5	-	-	1:1	0.007	31.9		
3 500.01	633334	NR n77 DoD SRS4	Mid	Open	C	100	9.69	Left	CW	0	10	-	-	1:1	0.138	18.3	15.6	
3 500.01	633334	NR n77 DoD SRS4	Mid	Close	C	100	9.69	Left	CW	0	5	-	-	1:1	0.258	15.6		

Table A-12 DSI = 3 *PLimit* Calculations – WLAN Hotspot SAR

MEASUREMENT RESULTS														
Frequency		Mode/ Band	Band width (MHz)	Form Factor	Ant. No.	Data Rate	Frame Averaged Conducted Power	Test Position	Ant. Config.	Duty Cycle	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
Mhz	Ch.					(Mbps)	(dBm)				(W/kg)	(Duty)	(dBm)	(dBm)
2 412	1	802.11b	20	Open	F	1	17.94	Rear	WIFI1	98.8	0.174	1.012	25.5	22.1
2 412	1	802.11b	20	Open	F	1	17.94	Front	WIFI1	98.8	0.121	1.012	27.1	
2 412	1	802.11b	20	Open	F	1	17.94	Left	WIFI1	98.8	0.195	1.012	25.0	
2 412	1	802.11b	20	Open	F	1	17.94	Top	WIFI1	98.8	0.079	1.012	29.0	
2 412	1	802.11b	20	Close	F	1	17.94	Rear	WIFI1	98.8	0.059	1.012	30.2	
2 412	1	802.11b	20	Close	F	1	17.94	Front	WIFI1	98.8	0.385	1.012	22.1	
2 412	1	802.11b	20	Close	F	1	17.94	Left	WIFI1	98.8	0.378	1.012	22.2	
2 412	1	802.11b	20	Close	F	1	17.94	Bottom	WIFI1	98.8	0.120	1.012	27.1	
2 437	6	802.11b	20	Open	H	1	17.45	Rear	WIFI2	98.8	0.071	1.012	28.9	23.0
2 437	6	802.11b	20	Open	H	1	17.45	Front	WIFI2	98.8	0.061	1.012	29.6	
2 437	6	802.11b	20	Open	H	1	17.45	Right	WIFI2	98.8	0.011	1.012	37.0	
2 437	6	802.11b	20	Open	H	1	17.45	Top	WIFI2	98.8	0.094	1.012	27.7	
2 437	6	802.11b	20	Close	H	1	17.45	Rear	WIFI2	98.8	0.052	1.012	30.3	
2 437	6	802.11b	20	Close	H	1	17.45	Front	WIFI2	98.8	0.279	1.012	23.0	
2 437	6	802.11b	20	Close	H	1	17.45	Right	WIFI2	98.8	0.092	1.012	27.8	
2 437	6	802.11b	20	Close	H	1	17.45	Bottom	WIFI2	98.8	0.141	1.012	26.0	
5 785	157	802.11a	20	Open	F	6	15.10	Rear	WIFI1	93.7	0.222	1.067	21.6	16.6
5 785	157	802.11a	20	Open	F	6	15.10	Front	WIFI1	93.7	0.090	1.067	25.6	
5 785	157	802.11a	20	Open	F	6	15.10	Left	WIFI1	93.7	0.270	1.067	20.8	
5 785	157	802.11a	20	Open	F	6	15.10	Top	WIFI1	93.7	0.085	1.067	25.8	
5 785	157	802.11a	20	Close	F	6	15.10	Rear	WIFI1	93.7	0.071	1.067	26.6	
5 785	157	802.11a	20	Close	F	6	15.10	Front	WIFI1	93.7	0.709	1.067	16.6	
5 785	157	802.11a	20	Close	F	6	15.10	Left	WIFI1	93.7	0.439	1.067	18.7	
5 785	157	802.11a	20	Close	F	6	15.10	Bottom	WIFI1	93.7	0.112	1.067	24.6	
5 785	157	802.11a	20	Open	H	6	15.10	Rear	WIFI2	93.7	0.090	1.067	25.6	22.7
5 785	157	802.11a	20	Open	H	6	15.10	Front	WIFI2	93.7	0.027	1.067	30.8	
5 785	157	802.11a	20	Open	H	6	15.10	Right	WIFI2	93.7	0.044	1.067	28.7	
5 785	157	802.11a	20	Open	H	6	15.10	Top	WIFI2	93.7	0.036	1.067	29.5	
5 785	157	802.11a	20	Close	H	6	15.10	Rear	WIFI2	93.7	0.023	1.067	31.5	
5 785	157	802.11a	20	Close	H	6	15.10	Front	WIFI2	93.7	0.174	1.067	22.7	
5 785	157	802.11a	20	Close	H	6	15.10	Right	WIFI2	93.7	0.090	1.067	25.6	
5 785	157	802.11a	20	Close	H	6	15.10	Bottom	WIFI2	93.7	0.125	1.067	24.1	

MEASUREMENT RESULTS

Frequency		Mode/ Band	Form Factor	Ant. No.	Frame Averaged Conducted Power (dBm)	Test Position	Ant. Config.	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
Mhz	Ch.							(W/kg)	(Duty)	(dBm)	(dBm)
2 402	0	DH5	Open	F	18.84	Rear	Ant 1	0.109	1.010	28.5	21.4
2 402	0	DH5	Open	F	18.84	Front	Ant 1	0.100	1.010	28.8	
2 402	0	DH5	Open	F	18.84	Left	Ant 1	0.253	1.010	24.8	
2 402	0	DH5	Open	F	18.84	Top	Ant 1	0.077	1.010	30.0	
2 402	0	DH5	Close	F	18.84	Rear	Ant 1	0.069	1.010	30.4	
2 402	0	DH5	Close	F	18.84	Front	Ant 1	0.351	1.010	23.4	
2 402	0	DH5	Close	F	18.84	Left	Ant 1	0.557	1.010	21.4	
2 402	0	DH5	Close	F	18.84	Bottom	Ant 1	0.173	1.010	26.5	

Table A-13 DSI = 0 P_{Limit} Calculations – 2G/3G Phablet 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	Test Position	Spacing (mm)	Duty Cycle	Meas. SAR(10g)	Plimit	Minimum Plimit
Mhz	Ch.					(dBm)				(W/kg)	(dBm)	(dBm)
836.6	190	GSM 850	GPRS4Tx	Open	A	23.07	Rear	0	1:2.07	1.670	24.8	24.8
836.6	190	GSM 850	GPRS4Tx	Open	A	23.07	Front	0	1:2.07	0.458	30.4	
836.6	190	GSM 850	GPRS4Tx	Open	A	23.07	Left	0	1:2.07	0.412	30.9	
836.6	190	GSM 850	GPRS4Tx	Open	A	23.07	Right	0	1:2.07	0.429	30.7	
836.6	190	GSM 850	GPRS4Tx	Open	A	23.07	Bottom	0	1:2.07	0.357	31.5	
1880.0	661	GSM 1900	GPRS4Tx	Open	A	16.76	Rear	0	1:2.07	0.674	22.5	22.5
1880.0	661	GSM 1900	GPRS4Tx	Open	A	16.76	Front	0	1:2.07	0.622	22.8	
1880.0	661	GSM 1900	GPRS4Tx	Open	A	16.76	Left	0	1:2.07	0.180	28.2	
1880.0	661	GSM 1900	GPRS4Tx	Open	A	16.76	Right	0	1:2.07	0.081	31.7	
1880.0	661	GSM 1900	GPRS4Tx	Open	A	16.76	Bottom	0	1:2.07	0.210	27.5	
836.6	4183	UMTS 850	RMC	Open	A	23.36	Rear	0	1:1	0.609	29.5	29.5
836.6	4183	UMTS 850	RMC	Open	A	23.36	Front	0	1:1	0.542	30.0	
836.6	4183	UMTS 850	RMC	Open	A	23.36	Left	0	1:1	0.513	30.2	
836.6	4183	UMTS 850	RMC	Open	A	23.36	Right	0	1:1	0.572	29.8	
836.6	4183	UMTS 850	RMC	Open	A	23.36	Bottom	0	1:1	0.517	30.2	
1732.4	1412	UMTS 1700	RMC	Open	A	19.76	Rear	0	1:1	1.930	20.9	20.9
1732.4	1412	UMTS 1700	RMC	Open	A	19.76	Front	0	1:1	1.320	22.5	
1732.4	1412	UMTS 1700	RMC	Open	A	19.76	Left	0	1:1	0.198	30.8	
1732.4	1412	UMTS 1700	RMC	Open	A	19.76	Right	0	1:1	0.137	32.4	
1732.4	1412	UMTS 1700	RMC	Open	A	19.76	Bottom	0	1:1	0.846	24.5	
1880	9400	UMTS 1900	RMC	Open	A	20.32	Rear	0	1:1	1.690	22.0	22.0
1880	9400	UMTS 1900	RMC	Open	A	20.32	Front	0	1:1	1.690	22.0	
1880	9400	UMTS 1900	RMC	Open	A	20.32	Left	0	1:1	0.337	29.0	
1880	9400	UMTS 1900	RMC	Open	A	20.32	Right	0	1:1	0.147	32.6	
1880	9400	UMTS 1900	RMC	Open	A	20.32	Bottom	0	1:1	1.020	24.2	

Table A-14 DSI = 0 P_{Limit} Calculations – 4G Phablet 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 (10g)	Plimit	Minimum Plimit
MHz	Ch.					MHz	(dBm)			(dB)				(W/kg)	(dBm)	(dBm)
2 510	20850	LTE Band 7	Low	Open	B	20	19.23	Rear	0	0	1	49	1:1	1.580	21.2	21.2
2 510	20850	LTE Band 7	Low	Open	B	20	19.23	Front	0	0	1	49	1:1	0.858	23.9	
2 510	20850	LTE Band 7	Low	Open	B	20	19.23	Left	0	0	1	49	1:1	0.186	30.5	
2 510	20850	LTE Band 7	Low	Open	B	20	19.23	Bottom	0	0	1	49	1:1	1.110	22.8	
2 560	21350	LTE Band 7	High	Open	I	20	20.41	Rear	0	0	1	0	1:1	1.320	23.2	21.7
2 560	21350	LTE Band 7	High	Open	I	20	20.41	Front	0	0	1	0	1:1	1.620	22.3	
2 560	21350	LTE Band 7	High	Open	I	20	20.41	Right	0	0	1	0	1:1	1.860	21.7	
2 560	21350	LTE Band 7	High	Open	I	20	20.41	Top	0	0	1	0	1:1	0.176	31.9	
707.5	23095	LTE Band 12	Mid	Open	A	10	22.17	Rear	0	0	1	0	1:1	0.849	26.9	25.1
707.5	23095	LTE Band 12	Mid	Open	A	10	22.17	Front	0	0	1	0	1:1	0.655	28.0	
707.5	23095	LTE Band 12	Mid	Open	A	10	22.17	Left	0	0	1	0	1:1	0.421	29.9	
707.5	23095	LTE Band 12	Mid	Open	A	10	22.17	Right	0	0	1	0	1:1	1.280	25.1	
707.5	23095	LTE Band 12	Mid	Open	A	10	22.17	Bottom	0	0	1	0	1:1	0.485	29.3	
782	23230	LTE Band 13	Mid	Open	A	10	21.82	Rear	0	0	1	24	1:1	0.926	26.1	26.1
782	23230	LTE Band 13	Mid	Open	A	10	21.82	Front	0	0	1	24	1:1	0.830	26.6	
782	23230	LTE Band 13	Mid	Open	A	10	21.82	Left	0	0	1	24	1:1	0.747	27.1	
782	23230	LTE Band 13	Mid	Open	A	10	21.82	Right	0	0	1	24	1:1	0.874	26.4	
782	23230	LTE Band 13	Mid	Open	A	10	21.82	Bottom	0	0	1	24	1:1	0.500	28.8	
793	23330	LTE Band 14	Mid	Open	A	10	23.17	Rear	0	0	1	0	1:1	0.668	28.9	28.9
793	23330	LTE Band 14	Mid	Open	A	10	23.17	Front	0	0	1	0	1:1	0.609	29.3	
793	23330	LTE Band 14	Mid	Open	A	10	23.17	Left	0	0	1	0	1:1	0.567	29.6	
793	23330	LTE Band 14	Mid	Open	A	10	23.17	Right	0	0	1	0	1:1	0.589	29.4	
793	23330	LTE Band 14	Mid	Open	A	10	23.17	Bottom	0	0	1	0	1:1	0.442	30.7	
1905	26590	LTE Band 25	High	Open	A	20	20.45	Rear	0	0	1	99	1:1	2.120	21.2	21.2
1905	26590	LTE Band 25	High	Open	A	20	20.45	Front	0	0	1	99	1:1	1.270	23.4	
1905	26590	LTE Band 25	High	Open	A	20	20.45	Left	0	0	1	99	1:1	0.129	33.3	
1905	26590	LTE Band 25	High	Open	A	20	20.45	Right	0	0	1	99	1:1	0.157	32.5	
1905	26590	LTE Band 25	High	Open	A	20	20.45	Bottom	0	0	1	99	1:1	1.580	22.4	
1905	26590	LTE Band 25	High	Open	I	20	21.14	Rear	0	0	1	0	1:1	1.370	23.8	22.5
1905	26590	LTE Band 25	High	Open	I	20	21.14	Front	0	0	1	0	1:1	1.410	23.6	
1905	26590	LTE Band 25	High	Open	I	20	21.14	Right	0	0	1	0	1:1	1.840	22.5	
1905	26590	LTE Band 25	High	Open	I	20	21.14	Top	0	0	1	0	1:1	0.166	32.9	
831.5	26865	LTE Band 26	Mid	Open	A	15	23.87	Rear	0	0	1	36	1:1	0.813	28.7	28.7
831.5	26865	LTE Band 26	Mid	Open	A	15	23.87	Front	0	0	1	36	1:1	0.748	29.1	
831.5	26865	LTE Band 26	Mid	Open	A	15	23.87	Left	0	0	1	36	1:1	0.642	29.8	
831.5	26865	LTE Band 26	Mid	Open	A	15	23.87	Right	0	0	1	36	1:1	0.649	29.7	
831.5	26865	LTE Band 26	Mid	Open	A	15	23.87	Bottom	0	0	1	36	1:1	0.439	31.4	

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 (10g)	Plimit	Minimum Plimit
Mhz	Ch.	Mhz	(dBm)													
2 310	27710	LTE Band 30	Mid	Open	B	10	19.15	Rear	0	0	1	49	1:1	1.020	23.0	23.0
2 310	27710	LTE Band 30	Mid	Open	B	10	19.15	Front	0	0	1	49	1:1	0.816	24.0	
2 310	27710	LTE Band 30	Mid	Open	B	10	19.15	Left	0	0	1	49	1:1	0.384	27.3	
2 310	27710	LTE Band 30	Mid	Open	B	10	19.15	Bottom	0	0	1	49	1:1	0.837	23.9	
2 310	27710	LTE Band 30	Mid	Open	I	10	20.93	Rear	0	0	1	0	1:1	1.710	22.6	21.6
2 310	27710	LTE Band 30	Mid	Open	I	10	20.93	Front	0	0	1	0	1:1	2.060	21.8	
2 310	27710	LTE Band 30	Mid	Open	I	10	20.93	Right	0	0	1	0	1:1	2.120	21.6	
2 310	27710	LTE Band 30	Mid	Open	I	10	20.93	Top	0	0	1	0	1:1	0.195	32.0	
2 506	39750	LTE Band 41(PC3)	Low	Open	B	20	19.15	Rear	0	0	1	0	1:1.58	1.440	21.5	21.5
2 506	39750	LTE Band 41(PC3)	Low	Open	B	20	19.15	Front	0	0	1	0	1:1.58	0.657	25.0	
2 506	39750	LTE Band 41(PC3)	Low	Open	B	20	19.15	Left	0	0	1	0	1:1.58	0.353	27.7	
2 506	39750	LTE Band 41(PC3)	Low	Open	B	20	19.15	Bottom	0	0	1	0	1:1.58	0.967	23.3	
2 506	39750	LTE Band 41(PC2)	Low	Open	B	20	19.96	Rear	0	0	1	0	1:2.31	1.000	23.9	23.9
2 506	39750	LTE Band 41(PC2)	Low	Open	B	20	19.96	Front	0	0	1	0	1:2.31	0.456	27.3	
2 506	39750	LTE Band 41(PC2)	Low	Open	B	20	19.96	Left	0	0	1	0	1:2.31	0.240	30.1	
2 506	39750	LTE Band 41(PC2)	Low	Open	B	20	19.96	Bottom	0	0	1	0	1:2.31	0.694	25.5	
2 680	41490	LTE Band 41(PC3)	High	Open	I	20	21.26	Rear	0	0	1	0	1:1.58	1.290	24.1	22.3
2 680	41490	LTE Band 41(PC3)	High	Open	I	20	21.26	Front	0	0	1	0	1:1.58	1.960	22.3	
2 680	41490	LTE Band 41(PC3)	High	Open	I	20	21.26	Right	0	0	1	0	1:1.58	1.860	22.5	
2 680	41490	LTE Band 41(PC3)	High	Open	I	20	21.26	Top	0	0	1	0	1:1.58	0.220	31.8	
2 680	41490	LTE Band 41(PC2)	High	Open	I	20	21.15	Rear	0	0	1	0	1:2.31	1.300	24.0	22.4
2 680	41490	LTE Band 41(PC2)	High	Open	I	20	21.15	Front	0	0	1	0	1:2.31	1.830	22.5	
2 680	41490	LTE Band 41(PC2)	High	Open	I	20	21.15	Right	0	0	1	0	1:2.31	1.880	22.4	
2 680	41490	LTE Band 41(PC2)	High	Open	I	20	21.15	Top	0	0	1	0	1:2.31	0.276	30.7	
3 560	55340	LTE Band 48	Low	Open	F	20	19.60	Rear	0	0	1	99	1:1.58	0.847	24.3	21.6
3 560	55340	LTE Band 48	Low	Open	F	20	19.60	Front	0	0	1	99	1:1.58	1.330	22.3	
3 560	55340	LTE Band 48	Low	Open	F	20	19.60	Left	0	0	1	99	1:1.58	1.590	21.6	
3 560	55340	LTE Band 48	Low	Open	F	20	19.60	Top	0	0	1	99	1:1.58	0.622	25.6	
1 720	132072	LTE Band 66	Low	Open	A	20	20.17	Rear	0	0	1	99	1:1	2.030	21.1	21.1
1 720	132072	LTE Band 66	Low	Open	A	20	20.17	Front	0	0	1	99	1:1	1.940	21.3	
1 720	132072	LTE Band 66	Low	Open	A	20	20.17	Left	0	0	1	99	1:1	0.156	32.2	
1 720	132072	LTE Band 66	Low	Open	A	20	20.17	Right	0	0	1	99	1:1	0.265	29.9	
1 720	132072	LTE Band 66	Low	Open	A	20	20.17	Bottom	0	0	1	99	1:1	0.929	24.5	
1 745	132322	LTE Band 66	Mid	Open	I	20	20.85	Rear	0	0	1	0	1:1	1.340	23.6	21.6
1 745	132322	LTE Band 66	Mid	Open	I	20	20.85	Front	0	0	1	0	1:1	1.690	22.6	
1 745	132322	LTE Band 66	Mid	Open	I	20	20.85	Right	0	0	1	0	1:1	2.120	21.6	
1 745	132322	LTE Band 66	Mid	Open	I	20	20.85	Top	0	0	1	0	1:1	0.138	33.4	
680.5	133297	LTE Band 71	Mid	Open	A	20	24.01	Rear	0	0	1	99	1:1	0.958	28.2	28.2
680.5	133297	LTE Band 71	Mid	Open	A	20	24.01	Front	0	0	1	99	1:1	0.728	29.4	
680.5	133297	LTE Band 71	Mid	Open	A	20	24.01	Left	0	0	1	99	1:1	0.828	28.8	
680.5	133297	LTE Band 71	Mid	Open	A	20	24.01	Right	0	0	1	99	1:1	0.373	32.3	
680.5	133297	LTE Band 71	Mid	Open	A	20	24.01	Bottom	0	0	1	99	1:1	0.487	31.1	

Table A-15 DSI = 0 *PLimit* Calculations – NR Phablet 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(10g)	PLimit	Minimum PLimit		
Mhz	Ch.															Mhz	(dBm)
2 535	507000	NR Band n7	Mid	Open	B	40	19.17	Rear	DFT-s-OFDM QPSK	0	0	1	1	1:1	1.710	20.8	20.8
2 535	507000	NR Band n7	Mid	Open	B	40	19.17	Front	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.841	23.9	
2 535	507000	NR Band n7	Mid	Open	B	40	19.17	Left	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.548	25.8	
2 535	507000	NR Band n7	Mid	Open	B	40	19.17	Bottom	DFT-s-OFDM QPSK	0	0	1	1	1:1	1.220	22.3	
2 535	507000	NR Band n7	Mid	Open	I	40	20.85	Rear	DFT-s-OFDM QPSK	0	0	1	1	1:1	1.390	23.4	22.4
2 535	507000	NR Band n7	Mid	Open	I	40	20.85	Front	DFT-s-OFDM QPSK	0	0	1	1	1:1	1.540	23.0	
2 535	507000	NR Band n7	Mid	Open	I	40	20.85	Right	DFT-s-OFDM QPSK	0	0	1	1	1:1	1.750	22.4	
2 535	507000	NR Band n7	Mid	Open	I	40	20.85	Top	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.200	31.8	
707.5	141500	NR Band n12	Mid	Open	A	15	24.23	Rear	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.799	29.2	28.0
707.5	141500	NR Band n12	Mid	Open	A	15	24.23	Front	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.590	30.5	
707.5	141500	NR Band n12	Mid	Open	A	15	24.23	Left	DFT-s-OFDM QPSK	0	0	1	1	1:1	1.040	28.0	
707.5	141500	NR Band n12	Mid	Open	A	15	24.23	Right	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.480	31.4	
707.5	141500	NR Band n12	Mid	Open	A	15	24.23	Bottom	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.412	32.1	
1882.5	376500	NR Band n25	Mid	Open	A	40	20.50	Rear	DFT-s-OFDM QPSK	0	0	1	108	1:1	1.860	21.8	21.7
1882.5	376500	NR Band n25	Mid	Open	A	40	20.50	Front	DFT-s-OFDM QPSK	0	0	1	108	1:1	1.880	21.7	
1882.5	376500	NR Band n25	Mid	Open	A	40	20.50	Left	DFT-s-OFDM QPSK	0	0	1	108	1:1	0.342	29.1	
1882.5	376500	NR Band n25	Mid	Open	A	40	20.50	Right	DFT-s-OFDM QPSK	0	0	1	108	1:1	0.146	32.8	
1882.5	376500	NR Band n25	Mid	Open	A	40	20.50	Bottom	DFT-s-OFDM QPSK	0	0	1	108	1:1	1.230	23.6	
1882.5	376500	NR Band n25	Mid	Open	I	40	20.95	Rear	DFT-s-OFDM QPSK	0	0	1	214	1:1	1.420	23.4	22.6
1882.5	376500	NR Band n25	Mid	Open	I	40	20.95	Front	DFT-s-OFDM QPSK	0	0	1	214	1:1	1.200	23.3	
1882.5	376500	NR Band n25	Mid	Open	I	40	20.95	Right	DFT-s-OFDM QPSK	0	0	1	214	1:1	2.010	22.6	
1882.5	376500	NR Band n25	Mid	Open	I	40	20.95	Top	DFT-s-OFDM QPSK	0	0	1	214	1:1	0.135	34.8	
831.5	166300	NR Band n26	Mid	Open	A	20	23.63	Rear	DFT-s-OFDM QPSK	0	0	1	53	1:1	0.723	29.0	28.9
831.5	166300	NR Band n26	Mid	Open	A	20	23.63	Front	DFT-s-OFDM QPSK	0	0	1	53	1:1	0.693	29.2	
831.5	166300	NR Band n26	Mid	Open	A	20	23.63	Left	DFT-s-OFDM QPSK	0	0	1	53	1:1	0.739	28.9	
831.5	166300	NR Band n26	Mid	Open	A	20	23.63	Right	DFT-s-OFDM QPSK	0	0	1	53	1:1	0.699	29.2	
831.5	166300	NR Band n26	Mid	Open	A	20	23.63	Bottom	DFT-s-OFDM QPSK	0	0	1	53	1:1	0.512	30.5	

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(10g)	Plimit	Minimum Plimit
MHz	Ch.					MHz	(dBm)				(dB)					(W/kg)	(dBm)	(dBm)	
2 310	462000	NR Band n30	Mid	Open	B	10	19.16	Rear	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.792	24.2	23.7		
2 310	462000	NR Band n30	Mid	Open	B	10	19.16	Front	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.889	23.7			
2 310	462000	NR Band n30	Mid	Open	B	10	19.16	Left	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.370	27.5			
2 310	462000	NR Band n30	Mid	Open	B	10	19.16	Bottom	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.739	24.5			
2 310	462000	NR Band n30	Mid	Open	I	10	21.05	Rear	DFT-s-OFDM QPSK	0	0	1	1	1:1	1.620	22.9	22.3		
2 310	462000	NR Band n30	Mid	Open	I	10	21.05	Front	DFT-s-OFDM QPSK	0	0	1	1	1:1	1.890	22.3			
2 310	462000	NR Band n30	Mid	Open	I	10	21.05	Right	DFT-s-OFDM QPSK	0	0	1	1	1:1	1.820	22.4			
2 310	462000	NR Band n30	Mid	Open	I	10	21.05	Top	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.149	33.3			
2 595	519000	NR Band n38	Mid	Open	B	40	19.61	Rear	DFT-s-OFDM QPSK	0	0	1	1	1:1	1.750	21.2	21.2		
2 595	519000	NR Band n38	Mid	Open	B	40	20.26	Front	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.964	24.4			
2 595	519000	NR Band n38	Mid	Open	B	40	20.26	Left	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.526	27.0			
2 595	519000	NR Band n38	Mid	Open	B	40	20.26	Bottom	DFT-s-OFDM QPSK	0	0	1	1	1:1	1.430	22.7			
2 592.99	518598	NR Band n41	Mid	Open	I	100	21.37	Rear	DFT-s-OFDM QPSK	0	0	270	0	1:1	1.720	23.0	21.5		
2 592.99	518598	NR Band n41	Mid	Open	I	100	21.37	Front	DFT-s-OFDM QPSK	0	0	270	0	1:1	2.060	22.2			
2 592.99	518598	NR Band n41	Mid	Open	I	100	21.37	Right	DFT-s-OFDM QPSK	0	0	270	0	1:1	2.430	21.5			
2 592.99	518598	NR Band n41	Mid	Open	I	100	21.37	Top	DFT-s-OFDM QPSK	0	0	270	0	1:1	0.210	32.1			
2 592.99	518598	NR n41 SRS2	Mid	Open	B	100	15.60	Rear	CW	0	0	-	-	1:1	0.719	21.0	21.0		
2 592.99	518598	NR n41 SRS2	Mid	Open	B	100	15.60	Front	CW	0	0	-	-	1:1	0.425	23.3			
2 592.99	518598	NR n41 SRS2	Mid	Open	B	100	15.60	Left	CW	0	0	-	-	1:1	0.218	26.2			
2 592.99	518598	NR n41 SRS2	Mid	Open	B	100	15.60	Bottom	CW	0	0	-	-	1:1	0.558	22.1			
2 592.99	518598	NR n41 SRS3	Mid	Open	F	100	17.70	Rear	CW	0	0	-	-	1:1	0.443	25.2	21.0		
2 592.99	518598	NR n41 SRS3	Mid	Open	F	100	17.70	Front	CW	0	0	-	-	1:1	0.489	24.8			
2 592.99	518598	NR n41 SRS3	Mid	Open	F	100	17.70	Left	CW	0	0	-	-	1:1	1.180	21.0			
2 592.99	518598	NR n41 SRS3	Mid	Open	F	100	17.70	Top	CW	0	0	-	-	1:1	0.292	27.0			
2 592.99	518598	NR n41 SRS4	Mid	Open	C	100	12.91	Rear	CW	0	0	-	-	1:1	0.346	21.5	21.5		
2 592.99	518598	NR n41 SRS4	Mid	Open	C	100	12.91	Front	CW	0	0	-	-	1:1	0.245	23.0			
2 592.99	518598	NR n41 SRS4	Mid	Open	C	100	12.91	Left	CW	0	0	-	-	1:1	0.347	21.5			
2 592.99	518598	NR n41 SRS4	Mid	Open	C	100	12.91	Bottom	CW	0	0	-	-	1:1	0.027	32.6			
3 624.99	641666	NR Band n48	Mid	Open	F	40	19.89	Rear	CP-OFDM QPSK	0	0	1	1	1:1	1.140	23.3	20.9		
3 624.99	641666	NR Band n48	Mid	Open	F	40	19.89	Front	CP-OFDM QPSK	0	0	1	1	1:1	1.290	22.8			
3 624.99	641666	NR Band n48	Mid	Open	F	40	19.89	Left	CP-OFDM QPSK	0	0	1	1	1:1	2.000	20.9			
3 624.99	641666	NR Band n48	Mid	Open	F	40	19.89	Top	CP-OFDM QPSK	0	0	1	1	1:1	1.050	23.7			
3 570	638000	NR n48 SRS2	Low	Open	I	40	20.11	Rear	CW	0	0	-	-	1:1	0.653	25.9	0.826		
3 570	638000	NR n48 SRS2	Low	Open	I	40	20.11	Front	CW	0	0	-	-	1:1	0.826	24.9			
3 570	638000	NR n48 SRS2	Low	Open	I	40	20.11	Right	CW	0	0	-	-	1:1	0.590	26.4			
3 570	638000	NR n48 SRS2	Low	Open	I	40	20.11	Top	CW	0	0	-	-	1:1	0.079	35.1			
3 570	638000	NR n48 SRS3	Low	Open	E	40	20.18	Rear	CW	0	10	-	-	1:1	0.695	25.7	22.8		
3 570	638000	NR n48 SRS3	Low	Open	E	40	20.18	Front	CW	0	10	-	-	1:1	0.565	26.6			
3 570	638000	NR n48 SRS3	Low	Open	E	40	20.18	Left	CW	0	10	-	-	1:1	1.360	22.8			
3 570	638000	NR n48 SRS3	Low	Open	E	40	20.18	Top	CW	0	10	-	-	1:1	0.030	39.4			

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(10g)	Plimit	Minimum Plimit
Mhz	Ch.					Mhz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
3 570	638000	NR n48 SRS4	Mid	Open	C	40	13.78	Rear	CW	0	0	-	-	1:1	0.531	20.5	19.7
3 570	638000	NR n48 SRS4	Mid	Open	C	40	13.78	Front	CW	0	0	-	-	1:1	0.403	21.7	
3 570	638000	NR n48 SRS4	Mid	Open	C	40	13.78	Left	CW	0	0	-	-	1:1	0.637	19.7	
3 570	638000	NR n48 SRS4	Mid	Open	C	40	13.78	Bottom	CW	0	0	-	-	1:1	0.114	27.2	
1 745	349000	NR Band n66	Mid	Open	A	40	20.55	Rear	DFT-s-OFDM QPSK	0	0	1	1	1:1	2.330	20.9	20.9
1 745	349000	NR Band n66	Mid	Open	A	40	20.55	Front	DFT-s-OFDM QPSK	0	0	1	1	1:1	1.810	22.0	
1 745	349000	NR Band n66	Mid	Open	A	40	20.55	Left	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.222	31.1	
1 745	349000	NR Band n66	Mid	Open	A	40	20.55	Right	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.146	32.9	
1 745	349000	NR Band n66	Mid	Open	A	40	20.55	Bottom	DFT-s-OFDM QPSK	0	0	1	1	1:1	1.840	21.9	
1 745	349000	NR Band n66	Mid	Open	I	40	20.49	Rear	DFT-s-OFDM QPSK	0	0	1	214	1:1	1.650	22.3	21.4
1 745	349000	NR Band n66	Mid	Open	I	40	20.49	Front	DFT-s-OFDM QPSK	0	0	1	214	1:1	1.760	22.0	
1 745	349000	NR Band n66	Mid	Open	I	40	20.49	Right	DFT-s-OFDM QPSK	0	0	1	214	1:1	2.050	21.4	
1 745	349000	NR Band n66	Mid	Open	I	40	20.49	Top	DFT-s-OFDM QPSK	0	0	1	214	1:1	0.158	32.5	
1 702.5	340500	NR Band n70	Mid	Open	A	15	19.75	Rear	DFT-s-OFDM QPSK	0	0	1	40	1:1	1.550	21.8	21.8
1 702.5	340500	NR Band n70	Mid	Open	A	15	19.75	Front	DFT-s-OFDM QPSK	0	0	1	40	1:1	1.210	22.9	
1 702.5	340500	NR Band n70	Mid	Open	A	15	19.75	Left	DFT-s-OFDM QPSK	0	0	1	40	1:1	0.134	32.5	
1 702.5	340500	NR Band n70	Mid	Open	A	15	19.75	Right	DFT-s-OFDM QPSK	0	0	1	40	1:1	0.102	33.6	
1 702.5	340500	NR Band n70	Mid	Open	A	15	19.75	Bottom	DFT-s-OFDM QPSK	0	0	1	40	1:1	0.673	25.4	
1 702.5	340500	NR Band n70	Mid	Open	I	15	20.95	Rear	DFT-s-OFDM QPSK	0	0	1	77	1:1	1.440	23.3	21.5
1 702.5	340500	NR Band n70	Mid	Open	I	15	20.95	Front	DFT-s-OFDM QPSK	0	0	1	77	1:1	1.510	23.1	
1 702.5	340500	NR Band n70	Mid	Open	I	15	20.95	Right	DFT-s-OFDM QPSK	0	0	1	77	1:1	2.180	21.5	
1 702.5	340500	NR Band n70	Mid	Open	I	15	20.95	Top	DFT-s-OFDM QPSK	0	0	1	77	1:1	0.139	33.5	
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Rear	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.944	28.7	28.5
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Front	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.975	28.5	
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Left	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.629	30.4	
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Right	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.432	32.1	
680.5	136100	NR Band n71	Mid	Open	A	20	24.44	Bottom	DFT-s-OFDM QPSK	0	0	1	1	1:1	0.426	32.1	
3 930	662000	NR Band n77	High	Open	F	100	18.87	Rear	DFT-s-OFDM QPSK	0	0	1	271	1:1	1.210	22.0	19.4
3 930	662000	NR Band n77	High	Open	F	100	18.87	Front	DFT-s-OFDM QPSK	0	0	1	271	1:1	1.030	22.7	
3 930	662000	NR Band n77	High	Open	F	100	18.87	Left	DFT-s-OFDM QPSK	0	0	1	271	1:1	2.210	19.4	
3 930	662000	NR Band n77	High	Open	F	100	18.87	Top	DFT-s-OFDM QPSK	0	0	1	271	1:1	0.837	23.6	
3 500.01	633334	NR Band DoD n77	Mid	Open	F	100	18.33	Rear	DFT-s-OFDM QPSK	0	0	135	138	1:1	1.180	21.6	18.5
3 500.01	633334	NR Band DoD n77	Mid	Open	F	100	18.33	Front	DFT-s-OFDM QPSK	0	0	135	138	1:1	1.430	20.8	
3 500.01	633334	NR Band DoD n77	Mid	Open	F	100	18.33	Left	DFT-s-OFDM QPSK	0	0	135	138	1:1	2.400	18.5	
3 500.01	633334	NR Band DoD n77	Mid	Open	F	100	18.33	Top	DFT-s-OFDM QPSK	0	0	135	138	1:1	0.680	24.0	

MEASUREMENT RESULTS

Frequency		Mode		Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(10g)	Plimit	Minimum Plimit
MHz	Ch.					MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
3 750	650000	NR n77 SRS2	Low	Open	I	100	18.11	Rear	CW	0	0	-	-	1:1	0.533	24.8	24.3
3 750	650000	NR n77 SRS2	Low	Open	I	100	18.11	Front	CW	0	0	-	-	1:1	0.608	24.3	
3 750	650000	NR n77 SRS2	Low	Open	I	100	18.11	Right	CW	0	0	-	-	1:1	0.587	24.4	
3 750	650000	NR n77 SRS2	Low	Open	I	100	18.11	Top	CW	0	0	-	-	1:1	0.031	37.2	
3 500.01	633334	NR n77 DoD SRS2	Mid	Open	I	100	17.71	Rear	CW	0	0	-	-	1:1	0.704	23.2	23.1
3 500.01	633334	NR n77 DoD SRS2	Mid	Open	I	100	17.71	Front	CW	0	0	-	-	1:1	0.725	23.1	
3 500.01	633334	NR n77 DoD SRS2	Mid	Open	I	100	17.71	Right	CW	0	0	-	-	1:1	0.605	23.9	
3 500.01	633334	NR n77 DoD SRS2	Mid	Close	I	100	17.71	Top	CW	0	0	-	-	1:1	0.143	30.1	
3 930	662000	NR n77 SRS3	High	Open	E	100	17.85	Rear	CW	0	0	-	-	1:1	0.608	24.0	22.2
3 930	662000	NR n77 SRS3	High	Open	E	100	17.85	Front	CW	0	0	-	-	1:1	0.689	23.4	
3 930	662000	NR n77 SRS3	High	Open	E	100	17.85	Left	CW	0	0	-	-	1:1	0.916	22.2	
3 930	662000	NR n77 SRS3	High	Open	E	100	17.85	Top	CW	0	0	-	-	1:1	0.059	34.1	
3 500.01	633334	NR n77 DoD SRS3	Mid	Open	E	100	17.56	Rear	CW	0	0	-	-	1:1	0.546	24.2	21.2
3 500.01	633334	NR n77 DoD SRS3	Mid	Open	E	100	17.56	Front	CW	0	0	-	-	1:1	0.566	24.0	
3 500.01	633334	NR n77 DoD SRS3	Mid	Open	E	100	17.56	Left	CW	0	0	-	-	1:1	1.090	21.2	
3 500.01	633334	NR n77 DoD SRS3	Mid	Open	E	100	17.56	Top	CW	0	0	-	-	1:1	0.020	38.5	
3 750	650000	NR n77 SRS4	Low	Open	C	100	12.40	Rear	CW	0	0	-	-	1:1	0.332	21.2	20.6
3 750	650000	NR n77 SRS4	Low	Open	C	100	12.40	Front	CW	0	0	-	-	1:1	0.301	21.6	
3 750	650000	NR n77 SRS4	Low	Open	C	100	12.40	Right	CW	0	0	-	-	1:1	0.375	20.6	
3 750	650000	NR n77 SRS4	Low	Open	C	100	12.40	Top	CW	0	0	-	-	1:1	0.059	28.7	
3 500.01	633334	NR n77 DoD SRS4	Mid	Open	C	100	11.65	Rear	CW	0	0	-	-	1:1	0.571	18.1	16.4
3 500.01	633334	NR n77 DoD SRS4	Mid	Open	C	100	11.65	Front	CW	0	0	-	-	1:1	0.350	20.2	
3 500.01	633334	NR n77 DoD SRS4	Mid	Open	C	100	11.65	Right	CW	0	0	-	-	1:1	0.841	16.4	
3 500.01	633334	NR n77 DoD SRS4	Mid	Open	C	100	11.65	Top	CW	0	0	-	-	1:1	0.073	27.0	

Table A-16 DSI = 0 P_{Limit} Calculations – WLAN Phablet SAR

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

MEASUREMENT RESULTS														
Frequency		Mode/ Band	Band width (MHz)	Form Factor	Ant. No.	Data Rate	Frame Averaged Conducted Power	Test Position	Ant. Config.	Duty Cycle	Meas. SAR(10g)	Scaling Factor	Plimit	Minimum Plimit
MHz	Ch.					(Mbps)	(dBm)				(W/kg)	(Duty)	(dBm)	(dBm)
2 412	1	802.11b	20	Open	F	1	17.94	Rear	WIFI1	98.8	0.534	1.012	24.6	19.9
2 412	1	802.11b	20	Open	F	1	17.94	Front	WIFI1	98.8	0.706	1.012	23.4	
2 412	1	802.11b	20	Open	F	1	17.94	Left	WIFI1	98.8	1.590	1.012	19.9	
2 412	1	802.11b	20	Open	F	1	17.94	Top	WIFI1	98.8	0.315	1.012	26.9	
2 437	6	802.11b	20	Open	H	1	17.45	Rear	WIFI2	98.8	0.318	1.012	26.4	23.1
2 437	6	802.11b	20	Open	H	1	17.45	Front	WIFI2	98.8	0.579	1.012	23.8	
2 437	6	802.11b	20	Open	H	1	17.45	Right	WIFI2	98.8	0.117	1.012	30.7	
2 437	6	802.11b	20	Open	H	1	17.45	Top	WIFI2	98.8	0.681	1.012	23.1	
5 300	60	802.11a	20	Open	F	6	14.85	Rear	WIFI1	93.7	0.538	1.067	21.5	17.8
5 785	157	802.11a	20	Open	F	6	15.10	Front	WIFI1	93.7	0.588	1.067	21.4	
5 620	124	802.11a	20	Open	F	6	15.12	Left	WIFI1	93.7	1.360	1.067	17.8	
5 300	60	802.11a	20	Open	F	6	14.85	Top	WIFI1	93.7	0.199	1.067	25.8	
5 785	157	802.11a	20	Open	H	6	15.10	Rear	WIFI2	93.7	0.359	1.067	23.5	22.8
5 785	157	802.11a	20	Open	H	6	15.10	Front	WIFI2	93.7	0.427	1.067	22.8	
5 785	157	802.11a	20	Open	H	6	15.10	Right	WIFI2	93.7	0.249	1.067	25.1	
5 785	157	802.11a	20	Open	H	6	15.10	Top	WIFI2	93.7	0.290	1.067	24.5	
6 525	115	802.11ax	40	Open	F	MCS0	9.78	Rear	WIFI1	99.6	0.137	1.004	22.4	20.9
6 525	115	802.11ax	40	Open	F	MCS0	9.78	Front	WIFI1	99.6	0.165	1.004	21.6	
6 525	115	802.11ax	40	Open	F	MCS0	9.78	Left	WIFI1	99.6	0.195	1.004	20.9	
6 525	115	802.11ax	40	Open	F	MCS0	9.78	Top	WIFI1	99.6	0.063	1.004	25.8	
6 525	115	802.11ax	40	Open	H	MCS0	9.23	Rear	WIFI2	99.6	0.045	1.004	26.7	25.3
6 525	115	802.11ax	40	Open	H	MCS0	9.23	Front	WIFI2	99.6	0.050	1.004	26.2	
6 525	115	802.11ax	40	Open	H	MCS0	9.23	Right	WIFI2	99.6	0.062	1.004	25.3	
6 525	115	802.11ax	40	Open	H	MCS0	9.23	Top	WIFI2	99.6	0.035	1.004	27.8	

MEASUREMENT RESULTS											
Frequency		Mode/ Band	Form Factor	Ant. No.	Frame Averaged Conducted Power	Test Position	Ant. Config.	Meas. SAR(10g)	Scaling Factor	Plimit	Minimum Plimit
MHz	Ch.				(dBm)			(W/kg)	(Duty)	(dBm)	(dBm)
2 402	0	DH5	Open	F	18.84	Rear	Ant 1	0.324	1.010	27.7	23.1
2 402	0	DH5	Open	F	18.84	Front	Ant 1	0.368	1.010	27.2	
2 402	0	DH5	Open	F	18.84	Left	Ant 1	0.936	1.010	23.1	
2 402	0	DH5	Open	F	18.84	Top	Ant 1	0.199	1.010	29.8	
2 441	39	DH5	Open	H	17.51	Rear	Ant 2	0.340	1.010	26.2	23.0
2 441	39	DH5	Open	H	17.51	Front	Ant 2	0.563	1.010	24.0	
2 441	39	DH5	Open	H	17.51	Right	Ant 2	0.014	1.010	40.0	
2 441	39	DH5	Open	H	17.51	Top	Ant 2	0.707	1.010	23.0	