

TEST REPORT

FCC SAR Part 0 Test for SM-F761U
Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-SR-2504-FC011-R1

DATE OF ISSUE
May 2, 2025

Tested by
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TEST REPORT

PART 0 SAR Test
for certification

REPORT NO.**HCT-SR-2504-FC011-R1****DATE OF ISSUE****May. 02, 2025****FCC ID****A3LSMF761U****Applicant**

SAMSUNG Electronics Co., Ltd
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Product Name**Mobile Phone****Model Name****SM-F761U****Additional Model Name****SM-F761U1****Date of Test****Feb. 27, 2025~ May. 02, 2025****Location of Test**

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

FCC Rule Part(s)**CFR § 2.1093**

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	Apr. 29, 2025	Initial Release
1	May. 02, 2025	Plimit of BODY (RSI=0,3) in N41 band revised

Notice

Content

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

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

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

Information provided by the applicant is marked **.

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

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

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

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1. Test Location

1.1 Test Laboratory

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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-F761U
Additional Model Name	SM-F761U1
Equipment Type	Mobile Phone
FCC ID	A3LSMF761U
Application Type	Certification
Applicant	SAMSUNG Electronics Co., Ltd.

2. DEVICE UNDER TEST DESCRIPTION

Device Wireless specification overview		
Band & Mode	Operating Mode	Tx Frequency
GSM850	Voice / Data	824.2 MHz ~ 848.8 MHz
GSM1900	Voice / Data	1 850.2 MHz ~ 1 909.8 MHz
UMTS Band 2	Voice / Data	1 852.4 MHz ~ 1 907.6 MHz
UMTS Band 4	Voice / Data	1 712.4 MHz ~ 1 752.6 MHz
UMTS Band 5	Voice / Data	826.4 MHz ~ 846.6 MHz
LTE FDD Band 2 (PCS)	Voice / Data	1 850.7 MHz ~ 1 909.3 MHz
LTE FDD Band 4 (AWS)	Voice / Data	1 710.7 MHz ~ 1 754.3 MHz
LTE FDD Band 5 (Cell)	Voice / Data	824.7 MHz ~ 848.3 MHz
LTE FDD Band 7	Voice / Data	2 502.5 MHz ~ 2 567.5 MHz
LTE FDD Band 12	Voice / Data	699.7 MHz ~ 715.3 MHz
LTE FDD Band 13	Voice / Data	779.5 MHz ~ 784.5 MHz
LTE FDD Band 14	Voice / Data	790.5 MHz ~ 795.5 MHz
LTE FDD Band 25	Voice / Data	1 850.7 MHz ~ 1 914.3 MHz
LTE FDD Band 26	Voice / Data	814.7 MHz ~ 848.3 MHz
LTE FDD Band 30	Voice / Data	2 307.5 MHz ~ 2 312.5 MHz
LTE TDD Band 38	Voice / Data	2 572.5 MHz ~ 2 617.5 MHz
LTE TDD Band 41	Voice / Data	2 498.5 MHz ~ 2 687.5 MHz
LTE TDD Band 48	Voice / Data	3 552.5 MHz ~ 3 697.5 MHz
LTE FDD Band 66 (AWS)	Voice / Data	1 710.7 MHz ~ 1 779.3 MHz
LTE FDD Band 71	Voice / Data	665.5 MHz ~ 695.5 MHz
NR FDD Band n2 (PCS)	Voice / Data	1 852.5 MHz ~ 1 907.5 MHz
NR FDD Band n5	Voice / Data	826.5 MHz ~ 846.5 MHz
NR FDD Band 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 n14	Voice / Data	790.5 MHz ~ 795.5 MHz
NR FDD Band n25 (PCS)	Voice / Data	1 852.5 MHz ~ 1 912.5 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	1 712.5 MHz ~ 1 777.5 MHz
NR FDD Band n70	Voice / Data	1 697.5 MHz ~ 1 707.5 MHz
NR FDD Band n71	Voice / Data	665.5 MHz ~ 695.5 MHz
NR TDD Band n77	Voice / Data	3 705 MHz ~ 3 975 MHz
NR TDD Band n77 DoD	Voice / Data	3 445.01 MHz ~ 3 544.98 MHz
NR TDD Band n78	Voice / Data	3 705 MHz ~ 3 795 MHz
NR TDD Band n78 DoD	Voice / Data	3 455.01 MHz ~ 3 544.98 MHz
U-NII-1	Voice / Data	5 180 MHz ~ 5 240 MHz
U-NII-2A	Voice / Data	5 260 MHz ~ 5 320 MHz
U-NII-2C	Voice / Data	5 500 MHz ~ 5 720 MHz
U-NII-3	Voice / Data	5 745 MHz ~ 5 825 MHz
U-NII-4	Voice / Data	5 845 MHz ~ 5 885 MHz
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 5.4	Data	2 402 MHz ~ 2 480 MHz
NFC	Data	13.56 MHz
WPC	Data	110 kHz ~ 148 kHz

2.1 Time-Averaging for SAR

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

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

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

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

The WLAN mode are not controlled by The Samsung S.LSI proprietary TAS (Time Average SAR) algorithm.

This equipment contains the Qualcomm modem supporting WLAN Fast connect TAS algorithm for TAS operations This feature performs time averaging algorithm in real time to control and manage transmitting power and ensure the time-averaged RF exposure is in compliance with FCC requirements all the time. DUT contains BDF File configured for the WLAN Fast connect TAS algorithm. Only the BT, NFC mode of the device did not apply the time averaged SAR algorithm.

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

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

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

The compliance test under the static transmission scenario and simultaneous transmission analysis are reported in SAR report for WWAN. The validation of The Samsung S.LSI proprietary TAS (Time Average SAR) algorithm and compliance under the time-varying transmission scenario for WWAN technologies are reported in TAS Validation report. The validation of The Qualcomm Fast connect TAS algorithm and compliance under the time-varying transmission scenario for WLAN technologies are reported in A3LSMF761U_SAR Part 2 Report_WLAN report.

2.2 Nomenclature for Part 0 Report

Technology	Term	Description
2G/3G/4G/5G/ Sub6 NR/ WLAN	Plimit	Power level that corresponds to the exposure design target (SAR_design_target) after accounting for all device design related uncertainties
	Pmax	Maximum tune up output power
	SAR_design_target	Target SAR level < FCC SAR limit after accounting for all device design related uncertainties.
	SAR Char	Table containing Plimit for all technologies and bands

3. SAR MEASUREMENTS

3.1 SAR Definition

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

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

SAR Mathematical Equation

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

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

Where:

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

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

3.2 SAR Measurement Procedure

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

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

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

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

4. SAR CHARACTERIZATION

4.1 Exposure Index and SAR Determination

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

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

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

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

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

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

Device State Index (DSI)	Description	SAR Test Cases
Head (DSI = 1)	Device positioned next to head	SAR per KDB Publication 648474 D04 and KDB Publication 248227 D01
Flip Open & Close Body (DSI = 0)	Device transmits in hotspot mode near body Device is held with hand	SAR per KDB Publication 248227 D01 ,KDB Publication 941225 D06 and KDB Publication 648474 D04

4.2 SAR Design Target

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

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

Table 4-3 Main SAR_design_target Calculations

<i>SAR_design_target</i>			
<i>SAR_design_target < SAR_regulatory_limit x 10^{Total Uncertainty/10}</i>			
WLAN 1g SAR (W/kg)		10g SAR (W/kg)	
<i>Total Uncertainty</i>	1.0 dB	<i>Total Uncertainty</i>	1.0 dB
<i>SAR_regulatory_limit</i>	1.6 W/kg	<i>SAR_regulatory_limit</i>	4.0 W/kg
<i>SAR_design_target</i>	0.8 W/kg	<i>SAR_design_target</i>	2.0 W/kg

Table 4-4 WLAN SAR_design_target Calculations

4.3 SAR Characterization

SAR test results corresponding to Pmax for each antenna/technology/band/DSI/RSI can be found in Appendix A. Plimit is calculated by linearly scaling with the measured SAR at the Pmax to correspond to the SAR_design_target. Plimit determination for each exposure scenario corresponding to SAR_design_target are shown in Table 4-5.

Plim values in green indicate Plimit < Pmax			Plim values in grey indicate Plimit > Pmax			
Plimit corresponding to 1 W/kg (1g) 2.5W/kg(10g) SAR Design_target						Pmax
SAR Exposure Position			Free (Open, Close)	Head (RCV ON)	Hotspot (Open, Close)	Maximum Tune-up Output Power (Frame Averaged Power) [dBm]
Averaging volume			1g	1g	1g	
separation Distance			5 mm	0 mm	5 mm	
Mode	Band	Antenna	RSI=0,3	RSI=1	RSI=2,4	
GSM/GPRS/EDGE	850	A	20.5	32.2	20.5	24.4
GSM/GPRS/EDGE	1900	A	17.0	34.8	17.0	22.0
UMTS	2	A	18.0	22.9	18.0	24.5
UMTS	2	I	15.0	15.0	15.0	23.0
UMTS	4	A	18.0	22.9	18.0	24.0
UMTS	4	I	16.0	15.0	16.0	23.0
UMTS	5	A	22.0	22.9	22.0	24.5
LTE FDD	25(2)	A	17.0	38.4	17.0	24.7
LTE FDD	25(2)	I	15.0	14.0	15.0	24.5
LTE FDD	66(4)	A	18.0	34.9	18.0	24.7
LTE FDD	66(4)	I	15.0	14.0	15.0	25.0
LTE FDD	7	B	18.5	37.0	18.5	24.2
LTE FDD	7	I	16.0	14.0	16.0	24.5
LTE FDD	12	A	23.0	31.8	23.0	24.5
LTE FDD	13	A	20.9	31.3	20.9	24.0
LTE FDD	14	A	23.0	31.5	23.0	24.0
LTE FDD	26(5)	A	22.5	31.7	22.5	24.5
LTE FDD	30	B	18.5	35.2	18.5	23.5
LTE FDD	30	I	15.0	13.5	15.0	24.5
LTE TDD PC3	41(38)	B	19.0	36.5	19.0	22.0
LTE TDD PC3	41(38)	I	16.5	13.8	16.5	22.5
LTE TDD	48	F	14.5	12.5	14.5	19.5
LTE FDD	71	A	29.1	32.2	28.4	24.0
NR FDD	25(2)	A	17.5	36.5	17.5	25.2
NR FDD	25(2)	I	15.5	15.0	15.5	24.5
NR FDD	7	B	18.0	35.7	18.0	23.7
NR FDD	7	I	16.0	14.0	16.0	24.0
NR FDD	12	A	23.5	32.4	23.5	25.0
NR FDD	14	A	26.3	32.6	26.3	23.0
NR FDD	26(5)	A	23.0	32.4	23.0	25.0
NR FDD	30	B	18.0	38.9	18.0	23.0
NR FDD	30	I	15.0	14.0	15.0	23.5
NR TDD	38	B	19.0	36.3	19.0	23.0
NR TDD SRS 1 PC2	41(38)	I	18.2	13.3	17.2	26.0
NR TDD SRS 2 PC2	41	B	15.0	12.3	15.0	22.0
NR TDD SRS 3 PC2	41	F	15.5	12.3	15.0	23.0
NR TDD SRS 4 PC2	41	C	15.0	12.3	15.0	19.0
NR TDD SRS 1	48	F	15.0	13.0	15.0	22.5
NR TDD SRS 2	48	I	15.0	13.0	15.0	22.0
NR TDD SRS 3	48	E	15.0	13.0	15.0	22.0
NR TDD SRS 4	48	C	15.0	13.0	15.0	22.0
NR FDD	66	A	17.5	36.6	17.5	24.7
NR FDD	66	I	15.5	14.5	15.5	25.0
NR FDD	70	A	17.5	36.9	17.5	24.7
NR FDD	70	I	16.0	15.0	16.0	25.0
NR FDD	71	A	28.0	32.9	27.4	25.0
NR TDD SRS 1 PC2	77/78	F	13.0	13.0	13.0	25.5
NR TDD SRS 2 PC2	77/78	I	13.0	13.0	13.0	25.5
NR TDD SRS 3 PC2	77/78	E	13.0	13.0	13.0	25.5
NR TDD SRS 4 PC2	77/78	C	12.5	12.5	12.5	23.5
NR TDD SRS 1 PC2	77/78 DoD	F	13.0	13.0	13.0	25.5
NR TDD SRS 2 PC2	77/78 DoD	I	13.0	13.0	13.0	25.5
NR TDD SRS 3 PC2	77/78 DoD	E	13.0	13.0	13.0	25.5
NR TDD SRS 4 PC2	77/78 DoD	C	12.5	12.5	12.5	23.5

Plim values in green indicate Plimit < Pmax			Plimit values in grey indicate Plimit > Pmax		
Plimit corresponding to 0.8 W/kg (1g) 2.0W/kg(10g) SAR_Design_target					Pmax
SAR Exposure Position			Body (Hotspot, Bodyworn)	Head (RCV ON)	Maximum Tune-up Output Power (Burst Average Power) [dBm]
Averaging volume			1g	1g	
separation Distance			5 mm	0 mm	
Mode	Band	Antenna	DSI=0	DSI=1	
WLAN	2.4	F	15.0	15.0	18.0
WLAN	2.4	H	15.0	15.0	18.0
WLAN	2.4	F+H	15.0	15.0	18.0
WLAN	5	F	12.0	12.0	15.0
WLAN	5	H	12.0	12.0	15.0
WLAN	5	F+H	12.0	12.0	15.0
WLAN	6	F	19.4	17.9	10.0
WLAN	6	H	19.5	20.2	10.0
WLAN	6	F+H	18.1	17.2	10.0
BT	2.4	F	22.3	12.5	18.5
BT	2.4	H	23.3	12.5	18.5
BT	2.4	F+H	17.4	10.0	17.0

Table 4-5 SAR Characterization

Note

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

5. Equipment List

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
SPEAG	SAM Phantom	-	N/A	N/A	N/A
SPEAG	ELI Phantom	-	N/A	N/A	N/A
SPEAG	cDASY6 5G Module Phantom	-	N/A	N/A	N/A
HP	SAR System Control PC	-	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F13/ 5R4XF1/ C/ 01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F/24/0058554/C/001	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F17/ 59RAA1/ C/ 01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F08/5AJ0A1/C/01	N/A	N/A	N/A
Staubli	CS8Cspeag-TX90	F07/56W9A1/C/01	N/A	N/A	N/A
Staubli	TX90 XLSpeag	F13/ 5R4XF1/ A/ 01	N/A	N/A	N/A
Staubli	TX90 XLSpeag	F/24/0058554/A/001	N/A	N/A	N/A
Staubli	TX90 XLSpeag	F17/ 59RAA1/ A/ 01	N/A	N/A	N/A
Staubli	TX90 XLSpeag	F08/5AJ0A1/A/01	N/A	N/A	N/A
Staubli	TX90 XLSpeag	F07/56W9A1/A/01	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	S-1338 1332	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	D21144508	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	011578	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	S-0008	N/A	N/A	N/A
Staubli	Teach Pendant (Joystick)	S-0602	N/A	N/A	N/A
TESTO	175-H1/Thermometer	40331953309	01/16/2025	Annual	01/16/2026
TESTO	175-H1/Thermometer	40331939309	12/26/2024	Annual	12/26/2025
TESTO	175-H1/Thermometer	40331922309	12/26/2025	Annual	12/26/2026
TESTO	175-H1/Thermometer	40331949309	12/26/2025	Annual	12/26/2026
TESTO	608-H1/Thermometer	83406789	06/26/2025	Annual	06/26/2026
SPEAG	DAE4	1225	02/18/2025	Annual	02/18/2026
SPEAG	DAE4	780	06/19/2024	Annual	06/19/2025
SPEAG	DAE4	1750	09/13/2024	Annual	09/13/2025
SPEAG	DAE4	1686	06/19/2024	Annual	06/19/2025
SPEAG	DAE4	504	01/17/2025	Annual	01/17/2026
SPEAG	DAE4	1464	06/19/2024	Annual	06/19/2025
SPEAG	E-Field Probe EX3DV4	3768	10/07/2024	Annual	10/07/2025
SPEAG	E-Field Probe EX3DV4	7702	01/21/2025	Annual	01/21/2026
SPEAG	E-Field Probe EX3DV4	3797	01/21/2025	Annual	01/21/2026
SPEAG	E-Field Probe EX3DV4	7655	05/28/2024	Annual	05/28/2025
SPEAG	E-Field Probe EX3DV4	7309	06/19/2024	Annual	06/19/2025
SPEAG	E-Field Probe EX3DV4	7907	12/27/2024	Annual	12/27/2025
SPEAG	E-Field Probe EX3DV4	7370	08/22/2024	Annual	08/22/2025
SPEAG	E-Field Probe EX3DV4	7680	05/28/2024	Annual	05/28/2025
SPEAG	E-Field Probe ES3DV3	3076	07/17/2024	Annual	07/17/2025
SPEAG	CLA13	1016	11/19/2024	Annual	11/19/2025
SPEAG	Dipole D750V3	1014	05/20/2024	Annual	05/20/2025
SPEAG	Dipole D835V2	441	04/18/2024	Biennial	04/18/2026
SPEAG	Dipole D1640V2	345	07/12/2024	Biennial	07/12/2025
SPEAG	Dipole D1800V2	2d007	04/15/2024	Biennial	04/15/2026
SPEAG	Dipole D1900V2	5d061	01/20/2025	Annual	01/20/2026
SPEAG	Dipole D2300V2	1010	07/19/2023	Biennial	07/19/2025
SPEAG	Dipole D2450V2	1049	03/13/2025	Annual	03/13/2026
SPEAG	Dipole D2600V2	1015	04/22/2024	Biennial	04/22/2026
SPEAG	Dipole D3500V2	1040	01/16/2025	Annual	01/16/2026
SPEAG	Dipole D3700V2	1105	09/18/2024	Annual	09/18/2025
SPEAG	Dipole D3900V2	1086	05/21/2024	Annual	05/21/2025
SPEAG	Dipole D5GHzV2	1107	04/19/2024	Biennial	04/19/2026
SPEAG	Dipole D6.5GHzV2	1012	09/17/2024	Annual	09/17/2025
SPEAG	5G Power Verification Source 10GHz	1018	04/17/2024	Annual	04/17/2025

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
Agilent	Power Meter E4419B	MY41291386	09/11/2024	Annual	09/11/2025
Agilent	Power Meter N1911A	MY45101406	05/21/2024	Annual	05/21/2025
Agilent	Power Sensor 8481A	SG1091286	09/12/2024	Annual	09/12/2025
H.P	Power Sensor 8481A	MY41090675	09/12/2024	Annual	09/12/2025
Agilent	Power Meter E4419B	MY41291386	09/11/2024	Annual	09/11/2025
Agilent	11636B/Power Divider	58698	01/13/2025	Annual	01/13/2026
SPEAG	DAKS 3.5	1038	01/20/2025	Annual	01/20/2026
SPEAG	Vector Reflectometer	0141013	01/13/2025	Annual	01/13/2026
SPEAG	MXA Signal Analyzer	MY49100108	01/07/2025	Annual	01/07/2026
H.P	Network Analyzer /8753E	JP38451384	08/20/2024	Annual	08/20/2025
Protek	NETWORK ANALYZER	X11-15305	02/10/2025	Annual	02/10/2026
Agilent	WIRELESS COMMUNICATION E5515C	MY48361100	09/11/2024	Annual	09/11/2025
Agilent	WIRELESS COMMUNICATION E5515C	MY48360252	07/29/2024	Annual	07/29/2025
R&S	Wireless Communication Test Set CMW500	115733	03/20/2025	Annual	03/20/2026
R&S	Wireless Communication Test Set CMW500	139333	12/09/2024	Annual	12/09/2025
Agilent	SIGNAL GENERATOR N5182A	MY47070230	03/19/2024	Annual	03/19/2025
Agilent	SIGNAL GENERATOR N5182A	MY47070230	03/18/2025	Annual	03/18/2026
Keysight	PSG Vector Signal Generator	MY50350097	03/05/2025	Annual	03/05/2026
EMPOWER	RF Power Amplifier	1084	05/21/2024	Annual	05/21/2025
EMPOWER	RF Power Amplifier	1041D/C0508	05/21/2024	Annual	05/21/2025
EMPOWER	RF Power Amplifier	1011	09/11/2024	Annual	09/11/2025
MICRO LAB	LP Filter / LA-15N	10453	09/11/2024	Annual	09/11/2025
MICRO LAB	LP Filter / LA-30N	-	09/11/2024	Annual	09/11/2025
MICRO LAB	LP Filter / LA-60N	32011	09/11/2024	Annual	09/11/2025
Agilent	Attenuator (3dB) 8693B	MY39260298	08/20/2024	Annual	08/20/2025
HP	Attenuator (20dB) 8493C	09271	08/21/2024	Annual	08/21/2025
Agilent	Directional Bridge 86205A	3140A04581	04/22/2024	Annual	04/22/2025
Agilent	Directional Bridge 86205A	3140A04581	04/18/2025	Annual	04/18/2026
OSI	Power Divider	#1	05/21/2024	Annual	05/21/2025
OSI	Power Divider	#2	05/21/2024	Annual	05/21/2025
OSI	Power Divider	#3	05/21/2024	Annual	05/21/2025
OSI	Power Divider	#4	05/21/2024	Annual	05/21/2025
Agilent	MXA Signal Analyzer N9020A	MY50510407	06/04/2024	Annual	06/04/2025
HP	Dual Directional Coupler	16072	09/11/2024	Annual	09/11/2025
Anritsu	Radio Communication Test Station MT8000A	6262036812	11/27/2024	Annual	11/27/2025
Anritsu	Radio Communication Test Station MT8000A	6262148305	12/23/2024	Annual	12/23/2025
Anritsu	Radio Communication Tester MT8820C	6201074225	01/13/2025	Annual	01/13/2026
Anritsu	Radio Communication Tester MT8820C	6200695605	03/21/2025	Annual	03/21/2026
Anritsu	Radio Communication Tester MT8821C	6201502997	05/21/2024	Annual	05/21/2025
Anritsu	Radio Communication Tester MT8821C	6262044720	11/27/2024	Annual	11/27/2025
Anritsu	Radio Communication Tester MT8821C	6201664725	01/13/2025	Annual	01/13/2026
Agilent	WIRELESS COMMUNICATION E5515C	MY50260992	05/22/2024	Annual	05/22/2025
ROHDE&SCHWARZ	BLUETOOTH TESTER CBT	100272	01/13/2025	Annual	01/13/2026

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

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

6. Measurement Uncertainty

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

Appendix A: SAR Test Results For P limit CALCULATIONS

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

MEASUREMENT RESULTS										
Frequency		Mode/ Band		Ant.	Frame Averaged	Test Position	Duty Cycle	Meas.	Plimit	Minimum
MHz	Ch.				Conducted Power			(W/kg)	(dBm)	(dBm)
					(dBm)					(dBm)
836.6	190	GSM 850	GPRS 4Tx	A	23.60	Left Cheek	1:2.07	0.007	45.1	32.2
836.6	190	GSM 850		A	23.60	Left Tilt	1:2.07	0.063	35.6	
836.6	190	GSM 850		A	23.60	Right Cheek	1:2.07	0.139	32.2	
836.6	190	GSM 850		A	23.60	Right Tilt	1:2.07	0.074	34.9	
1 880	661	GSM 1900	GPRS 3Tx	A	21.31	Left Cheek	1:2.77	0.045	34.8	34.8
1 880	661	GSM 1900		A	21.31	Left Tilt	1:2.77	0.012	40.5	
1 880	661	GSM 1900		A	21.31	Right Cheek	1:2.77	0.013	40.2	
1 880	661	GSM 1900		A	21.31	Right Tilt	1:2.77	0.017	39.0	
836.6	4183	UMTS Band 5	RMC	A	22.87	Left Cheek	1:1	0.116	32.2	31.8
836.6	4183	UMTS Band 5	RMC	A	22.87	Left Tilt	1:1	0.070	34.4	
836.6	4183	UMTS Band 5	RMC	A	22.87	Right Cheek	1:1	0.127	31.8	
836.6	4183	UMTS Band 5	RMC	A	22.87	Right Tilt	1:1	0.057	35.3	
1 732.4	1412	UMTS Band 4	RMC	A	23.09	Left Cheek	1:1	0.056	35.7	35.7
1 732.4	1412	UMTS Band 4	RMC	A	23.09	Left Tilt	1:1	0.022	39.7	
1 732.4	1412	UMTS Band 4	RMC	A	23.09	Right Cheek	1:1	0.028	38.6	
1 732.4	1412	UMTS Band 4	RMC	A	23.09	Right Tilt	1:1	0.013	42.0	
1 732.4	1412	UMTS Band 4	RMC	I	15.25	Left Cheek	1:1	0.561	17.8	17.8
1 732.4	1412	UMTS Band 4	RMC	I	15.25	Left Tilt	1:1	0.126	24.2	
1 732.4	1412	UMTS Band 4	RMC	I	15.25	Right Cheek	1:1	0.199	22.3	
1 732.4	1412	UMTS Band 4	RMC	I	15.25	Right Tilt	1:1	0.044	28.8	
1 880	9400	UMTS Band 2	RMC	A	23.13	Left Cheek	1:1	0.078	34.2	34.2
1 880	9400	UMTS Band 2	RMC	A	23.13	Left Tilt	1:1	0.018	40.6	
1 880	9400	UMTS Band 2	RMC	A	23.13	Right Cheek	1:1	0.031	38.2	
1 880	9400	UMTS Band 2	RMC	A	23.13	Right Tilt	1:1	0.019	40.3	
1 880	9400	UMTS Band 2	RMC	I	15.54	Left Cheek	1:1	0.663	17.3	17.3
1 880	9400	UMTS Band 2	RMC	I	15.54	Left Tilt	1:1	0.165	23.4	
1 880	9400	UMTS Band 2	RMC	I	15.54	Right Cheek	1:1	0.229	21.9	
1 880	9400	UMTS Band 2	RMC	I	15.54	Right Tilt	1:1	0.053	28.3	

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

MEASUREMENT RESULTS													
Frequency		Mode	Ant.	Band width	Frame Averaged Conducted Power	Test Position	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
MHz	Ch.			(dBm)	(dBm)		(dB)				(W/kg)	(dBm)	(dBm)
2 535	21100	LTE Band 7	B	20	23.87	Left Cheek	0	1	0	1:1	0.049	37.0	37.0
2 535	21100	LTE Band 7	B	20	23.87	Left Tilt	0	1	0	1:1	0.000	-	
2 535	21100	LTE Band 7	B	20	23.87	Right Cheek	0	1	0	1:1	0.000	-	
2 535	21100	LTE Band 7	B	20	23.87	Right Tilt	0	1	0	1:1	0.003	49.1	
2 535	21100	LTE Band 7	I	20	14.64	Left Cheek	0	1	0	1:1	0.630	16.6	16.6
2 535	21100	LTE Band 7	I	20	14.64	Left Tilt	0	1	0	1:1	0.128	23.6	
2 535	21100	LTE Band 7	I	20	14.64	Right Cheek	0	1	0	1:1	0.150	22.9	
2 535	21100	LTE Band 7	I	20	14.64	Right Tilt	0	1	0	1:1	0.043	28.3	
707.5	23095	LTE Band 12	A	10	24.78	Left Cheek	0	1	0	1:1	0.127	33.7	31.8
707.5	23095	LTE Band 12	A	10	24.78	Left Tilt	0	1	0	1:1	0.101	34.7	
707.5	23095	LTE Band 12	A	10	24.78	Right Cheek	0	1	0	1:1	0.198	31.8	
707.5	23095	LTE Band 12	A	10	24.78	Right Tilt	0	1	0	1:1	0.068	36.5	
782	23230	LTE Band 13	A	10	24.23	Left Cheek	0	1	24	1:1	0.126	33.2	31.3
782	23230	LTE Band 13	A	10	24.23	Left Tilt	0	1	24	1:1	0.090	34.7	
782	23230	LTE Band 13	A	10	24.23	Right Cheek	0	1	24	1:1	0.195	31.3	
782	23230	LTE Band 13	A	10	24.23	Right Tilt	0	1	24	1:1	0.089	34.7	
793	23330	LTE Band 14	A	10	23.95	Left Cheek	0	1	0	1:1	0.129	32.8	31.5
793	23330	LTE Band 14	A	10	23.95	Left Tilt	0	1	0	1:1	0.102	33.9	
793	23330	LTE Band 14	A	10	23.95	Right Cheek	0	1	0	1:1	0.174	31.5	
793	23330	LTE Band 14	A	10	23.95	Right Tilt	0	1	0	1:1	0.081	34.9	
1 882.5	26365	LTE Band 25	A	20	24.65	Left Cheek	0	1	0	1:1	0.018	42.1	38.4
1 882.5	26365	LTE Band 25	A	20	24.65	Left Tilt	0	1	0	1:1	0.002 49	51.6	
1 882.5	26365	LTE Band 25	A	20	24.65	Right Cheek	0	1	0	1:1	0.042	38.4	
1 882.5	26365	LTE Band 25	A	20	24.65	Right Tilt	0	1	0	1:1	0.030	39.9	
1 860	26140	LTE Band 25	I	20	14.70	Left Cheek	0	1	0	1:1	0.686	16.3	16.3
1 860	26140	LTE Band 25	I	20	14.70	Left Tilt	0	1	0	1:1	0.141	23.2	
1 860	26140	LTE Band 25	I	20	14.70	Right Cheek	0	1	0	1:1	0.295	20.0	
1 860	26140	LTE Band 25	I	20	14.70	Right Tilt	0	1	0	1:1	0.049	27.8	
831.5	26865	LTE Band 26	A	15	24.62	Left Cheek	0	1	0	1:1	0.118	33.9	31.7
831.5	26865	LTE Band 26	A	15	24.62	Left Tilt	0	1	0	1:1	0.082	35.5	
831.5	26865	LTE Band 26	A	15	24.62	Right Cheek	0	1	0	1:1	0.194	31.7	
831.5	26865	LTE Band 26	A	15	24.62	Right Tilt	0	1	0	1:1	0.078	35.7	
2 310	27710	LTE Band 30	B	10	23.18	Left Cheek	0	1	0	1:1	0.063	35.2	35.2
2 310	27710	LTE Band 30	B	10	23.18	Left Tilt	0	1	0	1:1	0.000	-	
2 310	27710	LTE Band 30	B	10	23.18	Right Cheek	0	1	0	1:1	0.000	-	
2 310	27710	LTE Band 30	B	10	23.18	Right Tilt	0	1	0	1:1	0.005	46.2	
2 310	27710	LTE Band 30	I	10	13.98	Left Cheek	0	1	0	1:1	0.633	16.0	16.0
2 310	27710	LTE Band 30	I	10	13.98	Left Tilt	0	1	0	1:1	0.126	23.0	
2 310	27710	LTE Band 30	I	10	13.98	Right Cheek	0	1	0	1:1	0.139	22.5	
2 310	27710	LTE Band 30	I	10	13.98	Right Tilt	0	1	0	1:1	0.031	29.1	

MEASUREMENT RESULTS													
Frequency		Mode	Ant.	Band width	Frame Averaged Conducted Power	Test Position	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
MHz	Ch.			(dBm)	(dBm)		(dB)				(W/kg)	(dBm)	(dBm)
2 549.5	40185	LTE Band41(PC3)	B	20	22.33	Left Cheek	0	1	0	1:1.58	0.038	36.5	36.5
2 549.5	40185	LTE Band41(PC3)	B	20	22.33	Left Tilt	0	1	0	1:1.58	0.000	-	
2 549.5	40185	LTE Band41(PC3)	B	20	22.33	Right Cheek	0	1	0	1:1.58	0.000	-	
2 549.5	40185	LTE Band41(PC3)	B	20	22.33	Right Tilt	0	1	0	1:1.58	0.000	-	
2 549.5	40185	LTE Band41(PC3)	I	20	13.81	Left Cheek	0	1	0	1:1.58	0.441	17.4	17.4
2 549.5	40185	LTE Band41(PC3)	I	20	13.81	Left Tilt	0	1	0	1:1.58	0.089	24.3	
2 549.5	40185	LTE Band41(PC3)	I	20	13.81	Right Cheek	0	1	0	1:1.58	0.105	23.6	
2 549.5	40185	LTE Band41(PC3)	I	20	13.81	Right Tilt	0	1	0	1:1.58	0.022	30.4	
3 646.7	56207	LTE Band 48	F	20	12.55	Left Cheek	0	1	0	1:1.58	0.052	25.4	19.5
3 646.7	56207	LTE Band 48	F	20	12.55	Left Tilt	0	1	0	1:1.58	0.047	25.8	
3 646.7	56207	LTE Band 48	F	20	12.55	Right Cheek	0	1	0	1:1.58	0.200	19.5	
3 646.7	56207	LTE Band 48	F	20	12.55	Right Tilt	0	1	0	1:1.58	0.136	21.2	
1 745	132322	LTE Band 66	A	20	24.55	Left Cheek	0	1	0	1:1	0.093	34.9	34.9
1 745	132322	LTE Band 66	A	20	24.55	Left Tilt	0	1	0	1:1	0.083	35.4	
1 745	132322	LTE Band 66	A	20	24.55	Right Cheek	0	1	0	1:1	0.045	38.0	
1 745	132322	LTE Band 66	A	20	24.55	Right Tilt	0	1	0	1:1	0.040	38.5	
1 770	132572	LTE Band 66	I	20	14.19	Left Cheek	0	1	49	1:1	0.525	17.0	17.0
1 770	132572	LTE Band 66	I	20	14.19	Left Tilt	0	1	49	1:1	0.101	24.1	
1 770	132572	LTE Band 66	I	20	14.19	Right Cheek	0	1	49	1:1	0.258	20.1	
1 770	132572	LTE Band 66	I	20	14.19	Right Tilt	0	1	49	1:1	0.047	27.5	
680.5	133297	LTE Band 71	A	20	24.25	Left Cheek	0	1	49	1:1	0.162	32.2	32.2
680.5	133297	LTE Band 71	A	20	24.25	Left Tilt	0	1	49	1:1	0.086	34.9	
680.5	133297	LTE Band 71	A	20	24.25	Right Cheek	0	1	49	1:1	0.151	32.5	
680.5	133297	LTE Band 71	A	20	24.25	Right Tilt	0	1	49	1:1	0.067	36.0	

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

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

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

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

MEASUREMENT RESULTS														
Frequency		Mode	Ant.	Band width	Frame Averaged Conducted Power	Test Configurations		MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimum Plimit
MHz	Ch.			(dBm)	(dBm)			(dB)				(W/kg)	(dBm)	(dBm)
2 535	507000	NR Band n7	B	40	23.97	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.067	35.7	35.7
2 535	507000	NR Band n7	B	40	23.97	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.025	40.0	
2 535	507000	NR Band n7	B	40	23.97	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.041	37.8	
2 535	507000	NR Band n7	B	40	23.97	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.019	41.2	
2 535	507000	NR Band n7	I	40	14.32	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.425	18.0	18.0
2 535	507000	NR Band n7	I	40	14.32	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.102	24.2	
2 535	507000	NR Band n7	I	40	14.32	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.109	23.9	
2 535	507000	NR Band n7	I	40	14.32	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.022	30.9	
707.5	141500	NR Band n12	A	15	25.35	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.195	32.4	32.4
707.5	141500	NR Band n12	A	15	25.35	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.062	37.4	
707.5	141500	NR Band n12	A	15	25.35	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.142	33.8	
707.5	141500	NR Band n12	A	15	25.35	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.093	35.7	
793	158600	NR Band n14	A	10	23.16	Left Cheek	DFT-s-OFDM QPSK	0	1	26	1:1	0.093	33.5	32.6
793	158600	NR Band n14	A	10	23.16	Left Tilt	DFT-s-OFDM QPSK	0	1	26	1:1	0.059	35.5	
793	158600	NR Band n14	A	10	23.16	Right Cheek	DFT-s-OFDM QPSK	0	1	26	1:1	0.115	32.6	
793	158600	NR Band n14	A	10	23.16	Right Tilt	DFT-s-OFDM QPSK	0	1	26	1:1	0.065	35.0	
1 882.5	376500	NR Band n25	A	40	25.60	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.082	36.5	36.5
1 882.5	376500	NR Band n25	A	40	25.60	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.023	42.0	
1 882.5	376500	NR Band n25	A	40	25.60	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.052	38.4	
1 882.5	376500	NR Band n25	A	40	25.60	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.040	39.6	
1 882.5	376500	NR Band n25	I	40	14.97	Left Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.455	18.4	18.4
1 882.5	376500	NR Band n25	I	40	14.97	Left Tilt	DFT-s-OFDM QPSK	0	1	108	1:1	0.039	29.1	
1 882.5	376500	NR Band n25	I	40	14.97	Right Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.206	21.8	
1 882.5	376500	NR Band n25	I	40	14.97	Right Tilt	DFT-s-OFDM QPSK	0	1	108	1:1	0.038	29.2	
831.5	166300	NR Band n26	A	20	24.91	Left Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.178	32.4	32.4
831.5	166300	NR Band n26	A	20	24.91	Left Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.062	37.0	
831.5	166300	NR Band n26	A	20	24.91	Right Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.139	33.5	
831.5	166300	NR Band n26	A	20	24.91	Right Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.091	35.3	
2 310	462000	NR Band n30	B	10	23.26	Left Cheek	DFT-s-OFDM QPSK	0	1	50	1:1	0.027	38.9	38.9
2 310	462000	NR Band n30	B	10	23.26	Left Tilt	DFT-s-OFDM QPSK	0	1	50	1:1	0.011	42.8	
2 310	462000	NR Band n30	B	10	23.26	Right Cheek	DFT-s-OFDM QPSK	0	1	50	1:1	0.018	40.7	
2 310	462000	NR Band n30	B	10	23.26	Right Tilt	DFT-s-OFDM QPSK	0	1	50	1:1	0.026	39.1	
2 310	462000	NR Band n30	I	10	14.47	Left Cheek	DFT-s-OFDM QPSK	0	1	26	1:1	0.607	16.6	16.6
2 310	462000	NR Band n30	I	10	14.47	Left Tilt	DFT-s-OFDM QPSK	0	1	26	1:1	0.143	22.9	
2 310	462000	NR Band n30	I	10	14.47	Right Cheek	DFT-s-OFDM QPSK	0	1	26	1:1	0.145	22.9	
2 310	462000	NR Band n30	I	10	14.47	Right Tilt	DFT-s-OFDM QPSK	0	1	26	1:1	0.031	29.6	

MEASUREMENT RESULTS

Frequency		Mode	Ant.	Band width	Frame Averaged Conducted Power	Test Configurations		MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimum Plimit
Mhz	Ch.			(dBm)	(dBm)			(dB)				(W/kg)	(dBm)	(dBm)
2 595	519000	NR Band n38	B	40	22.45	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.041	36.3	36.3
2 595	519000	NR Band n38	B	40	22.45	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.016	40.4	
2 595	519000	NR Band n38	B	40	22.45	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.032	37.4	
2 595	519000	NR Band n38	B	40	22.45	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.029	37.8	
2 592.99	518598	NR Band n41	I	100	13.32	Left Cheek	DFT-s-OFDM QPSK	0	1	271	1:1	0.515	16.2	16.2
2 592.99	518598	NR Band n41	I	100	13.32	Left Tilt	DFT-s-OFDM QPSK	0	1	271	1:1	0.076	24.5	
2 592.99	518598	NR Band n41	I	100	13.32	Right Cheek	DFT-s-OFDM QPSK	0	1	271	1:1	0.118	22.6	
2 592.99	518598	NR Band n41	I	100	13.32	Right Tilt	DFT-s-OFDM QPSK	0	1	271	1:1	0.028	28.8	
2 592.99	518598	NR Band n41 SRS2	B	100	12.80	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.006	35.0	35.0
2 592.99	518598	NR Band n41 SRS2	B	100	12.80	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.000	-	
2 592.99	518598	NR Band n41 SRS2	B	100	12.80	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.003	38.0	
2 592.99	518598	NR Band n41 SRS2	B	100	12.80	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.000	-	
2 592.99	518598	NR Band n41 SRS3	F	100	13.26	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.095	23.5	18.3
2 592.99	518598	NR Band n41 SRS3	F	100	13.26	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.073	24.6	
2 592.99	518598	NR Band n41 SRS3	F	100	13.26	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.316	18.3	
2 592.99	518598	NR Band n41 SRS3	F	100	13.26	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.096	23.4	
2 592.99	518598	NR Band n41 SRS4	C	100	12.30	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.000	-	33.8
2 592.99	518598	NR Band n41 SRS4	C	100	12.30	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.000	-	
2 592.99	518598	NR Band n41 SRS4	C	100	12.30	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.007	33.8	
2 592.99	518598	NR Band n41 SRS4	C	100	12.30	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.000	-	
3 624.99	641666	NR Band 48	F	40	13.61	Left Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.113	23.1	18.7
3 624.99	641666	NR Band 48	F	40	13.61	Left Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.117	22.9	
3 624.99	641666	NR Band 48	F	40	13.61	Right Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.309	18.7	
3 624.99	641666	NR Band 48	F	40	13.61	Right Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.252	19.6	
3 570	638000	NR Band 48 SRS2	I	40	13.95	Left Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.348	18.5	18.4
3 570	638000	NR Band 48 SRS2	I	40	13.95	Left Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.055	26.5	
3 570	638000	NR Band 48 SRS2	I	40	13.95	Right Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.213	20.7	
3 570	638000	NR Band 48 SRS2	I	40	13.95	Right Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.356	18.4	
3 570	638000	NR Band 48 SRS3	E	40	13.55	Left Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.300	18.8	18.8
3 570	638000	NR Band 48 SRS3	E	40	13.55	Left Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.015	31.8	
3 570	638000	NR Band 48 SRS3	E	40	13.55	Right Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.204	20.5	
3 570	638000	NR Band 48 SRS3	E	40	13.55	Right Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.023	29.9	
3 570	638000	NR Band 48 SRS4	C	40	13.61	Left Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.023	30.0	30.0
3 570	638000	NR Band 48 SRS4	C	40	13.61	Left Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.020	30.6	
3 570	638000	NR Band 48 SRS4	C	40	13.61	Right Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.010	33.6	
3 570	638000	NR Band 48 SRS4	C	40	13.61	Right Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.010	33.6	
1 745	349000	NR Band 66	A	40	25.01	Left Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.069	36.6	36.6
1 745	349000	NR Band 66	A	40	25.01	Left Tilt	DFT-s-OFDM QPSK	0	1	108	1:1	0.031	40.1	
1 745	349000	NR Band 66	A	40	25.01	Right Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.040	39.0	
1 745	349000	NR Band 66	A	40	25.01	Right Tilt	DFT-s-OFDM QPSK	0	1	108	1:1	0.032	40.0	

MEASUREMENT RESULTS														
Frequency		Mode	Ant.	Band width	Frame Averaged Conducted Power	Test Configurations		MP R	RB	RB	Duty	Meas. SAR (1g)	Plimit	Minimum Plimit
MHz	Ch.			(dBm)	(dBm)			(dB)	Size	offset	Cycle	(W/kg)	(dBm)	(dBm)
1 745	349000	NR Band 66	I	40	14.42	Left Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.475	17.7	17.7
1 745	349000	NR Band 66	I	40	14.42	Left Tilt	DFT-s-OFDM QPSK	0	1	108	1:1	0.086	25.1	
1 745	349000	NR Band 66	I	40	14.42	Right Cheek	DFT-s-OFDM QPSK	0	1	108	1:1	0.224	20.9	
1 745	349000	NR Band 66	I	40	14.42	Right Tilt	DFT-s-OFDM QPSK	0	1	108	1:1	0.037	28.7	
1 702.5	340500	NR Band 70	A	15	25.13	Left Cheek	DFT-s-OFDM QPSK	0	1	77	1:1	0.061	37.3	36.9
1 702.5	340500	NR Band 70	A	15	25.13	Left Tilt	DFT-s-OFDM QPSK	0	1	77	1:1	0.022	41.7	
1 702.5	340500	NR Band 70	A	15	25.13	Right Cheek	DFT-s-OFDM QPSK	0	1	77	1:1	0.066	36.9	
1 702.5	340500	NR Band 70	A	15	25.13	Right Tilt	DFT-s-OFDM QPSK	0	1	77	1:1	0.024	41.3	
1 702.5	340500	NR Band 70	I	15	14.96	Left Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.352	19.5	19.5
1 702.5	340500	NR Band 70	I	15	14.96	Left Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.085	25.7	
1 702.5	340500	NR Band 70	I	15	14.96	Right Cheek	DFT-s-OFDM QPSK	0	1	1	1:1	0.186	22.3	
1 702.5	340500	NR Band 70	I	15	14.96	Right Tilt	DFT-s-OFDM QPSK	0	1	1	1:1	0.041	28.8	
680.5	136100	NR Band 71	A	20	25.25	Left Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.172	32.9	32.9
680.5	136100	NR Band 71	A	20	25.25	Left Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.112	34.8	
680.5	136100	NR Band 71	A	20	25.25	Right Cheek	DFT-s-OFDM QPSK	0	1	53	1:1	0.162	33.2	
680.5	136100	NR Band 71	A	20	25.25	Right Tilt	DFT-s-OFDM QPSK	0	1	53	1:1	0.078	36.3	
3 750	650000	NR Band 77	F	100	13.90	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.072	25.3	17.4
3 750	650000	NR Band 77	F	100	13.90	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.094	24.2	
3 750	650000	NR Band 77	F	100	13.90	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.449	17.4	
3 750	650000	NR Band 77	F	100	13.90	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.235	20.2	
3 500.01	633334	NR Band 77 DoD	F	100	13.94	Right Cheek	DFT-s-OFDM QPSK	0	1	271	1:1	0.342	18.6	18.6
3 750	650000	NR Band 77 SRS2	I	100	13.90	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.232	20.2	19.5
3 750	650000	NR Band 77 SRS2	I	100	13.90	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.027	29.6	
3 750	650000	NR Band 77 SRS2	I	100	13.90	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.277	19.5	
3 750	650000	NR Band 77 SRS2	I	100	13.90	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.013	32.8	
3 500.01	633334	NR Band 77DoD SRS2	I	100	13.89	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.266	19.6	19.6
3 930	662000	NR Band 77 SRS3	E	100	13.81	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.507	16.8	16.8
3 930	662000	NR Band 77 SRS3	E	100	13.81	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.052	26.7	
3 930	662000	NR Band 77 SRS3	E	100	13.81	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.228	20.2	
3 930	662000	NR Band 77 SRS3	E	100	13.81	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.050	26.8	
3 500.01	633334	NR Band 77DoD SRS3	E	100	13.79	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.512	16.4	16.4
3 750	650000	NR Band 77 SRS4	C	100	13.42	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.004	37.4	28.1
3 750	650000	NR Band 77 SRS4	C	100	13.42	Left Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.034	28.1	
3 750	650000	NR Band 77 SRS4	C	100	13.42	Right Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.001	43.4	
3 750	650000	NR Band 77 SRS4	C	100	13.42	Right Tilt	DFT-s-OFDM QPSK	0	1	137	1:1	0.001	43.4	
3 500.01	633334	NR Band 77DoD SRS4	C	100	13.12	Left Cheek	DFT-s-OFDM QPSK	0	1	137	1:1	0.001	43.1	43.1

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

MEASUREMENT RESULTS													
Frequency		Mode/ Band	Band width	Ant. No.	Data Rate	Frame Averaged	Test Position	Ant. Config.	Duty Cycle	Meas.	Scaling	Plimit	Minimum Plimit
MHz	Ch.				(Mbps)	Conducted Power				SAR(1g)	Factor		
			(MHz)			(dBm)				(W/kg)	(Duty)	(dBm)	(dBm)
2 437	6	802.11b	20	F	1	15.82	Left Cheek	WIFI1	98.8	0.029	1.012	30.2	20.2
2 437	6	802.11b	20	F	1	15.82	Left Tilt	WIFI1	98.8	0.034	1.012	29.5	
2 437	6	802.11b	20	F	1	15.82	Right Cheek	WIFI1	98.8	0.293	1.012	20.2	
2 437	6	802.11b	20	F	1	15.82	Right Tilt	WIFI1	98.8	0.146	1.012	23.2	
2 437	6	802.11b	20	H	1	15.67	Left Cheek	WIFI2	98.8	0.270	1.012	20.1	20.1
2 437	6	802.11b	20	H	1	15.67	Left Tilt	WIFI2	98.8	0.228	1.012	21.1	
2 437	6	802.11b	20	H	1	15.67	Right Cheek	WIFI2	98.8	0.135	1.012	23.4	
2 437	6	802.11b	20	H	1	15.67	Right Tilt	WIFI2	98.8	0.106	1.012	24.4	
2 437	6	802.11b	20	F+H	1	15.67	Left Cheek	MIMO	98.8	0.306	1.012	19.8	19.8
2 437	6	802.11b	20	F+H	1	15.67	Left Tilt	MIMO	98.8	0.195	1.012	21.8	
2 437	6	802.11b	20	F+H	1	15.67	Right Cheek	MIMO	98.8	0.299	1.012	19.9	
2 437	6	802.11b	20	F+H	1	15.67	Right Tilt	MIMO	98.8	0.201	1.012	21.7	
5 855	171	802.11ac	80	F	MCS0	12.95	Left Cheek	WIFI1	85.5	0.140	1.170	20.5	18.0
5 855	171	802.11ac	80	F	MCS0	12.95	Left Tilt	WIFI1	85.5	0.172	1.170	19.6	
5 775	155	802.11ac	80	F	MCS0	12.99	Right Cheek	WIFI1	85.5	0.251	1.170	18.0	
5 855	171	802.11ac	80	F	MCS0	12.95	Right Tilt	WIFI1	85.5	0.247	1.170	18.1	
5 290	58	802.11ac	80	H	MCS0	12.13	Left Cheek	WIFI2	85.5	0.121	1.170	20.3	20.3
5 290	58	802.11ac	80	H	MCS0	12.13	Left Tilt	WIFI2	85.5	0.100	1.170	21.2	
5 855	171	802.11ac	80	H	MCS0	12.76	Right Cheek	WIFI2	85.5	0.037	1.170	26.1	
5 775	155	802.11ac	80	H	MCS0	12.81	Right Tilt	WIFI2	85.5	0.041	1.170	25.7	
5 775	155	802.11ac	80	F+H	MCS0	12.81	Left Cheek	MIMO	85.5	0.126	1.170	20.2	16.4
5 855	171	802.11ac	80	F+H	MCS0	12.76	Left Tilt	MIMO	85.5	0.142	1.170	20.3	
5 690	138	802.11ac	80	F+H	MCS0	12.63	Right Cheek	MIMO	85.5	0.310	1.170	16.7	
5 855	171	802.11ac	80	F+H	MCS0	12.76	Right Tilt	MIMO	85.5	0.343	1.170	16.4	
6 805	171	802.11ax	40	F	MCS0	10.86	Left Cheek	WIFI1	99.0	0.110	1.007	19.1	17.5
6 805	171	802.11ax	40	F	MCS0	10.86	Left Tilt	WIFI1	99.0	0.104	1.007	19.3	
6 805	171	802.11ax	40	F	MCS0	10.86	Right Cheek	WIFI1	99.0	0.153	1.007	17.6	
6 805	171	802.11ax	40	F	MCS0	10.86	Right Tilt	WIFI1	99.0	0.158	1.007	17.5	
7 085	227	802.11ax	40	H	MCS0	10.39	Left Cheek	WIFI2	99.0	0.046	1.007	22.8	20.2
7 085	227	802.11ax	40	H	MCS0	10.39	Left Tilt	WIFI2	99.0	0.083	1.007	20.2	
7 085	227	802.11ax	40	H	MCS0	10.39	Right Cheek	WIFI2	99.0	0.036	1.007	23.8	
7 085	227	802.11ax	40	H	MCS0	10.39	Right Tilt	WIFI2	99.0	0.036	1.007	23.8	
7 085	227	802.11ax	40	F+H	MCS0	10.11	Left Cheek	MIMO	99.0	0.112	1.007	18.6	17.2
7 085	227	802.11ax	40	F+H	MCS0	10.11	Left Tilt	MIMO	99.0	0.110	1.007	18.7	
7 085	227	802.11ax	40	F+H	MCS0	10.11	Right Cheek	MIMO	99.0	0.158	1.007	17.2	
7 085	227	802.11ax	40	F+H	MCS0	10.11	Right Tilt	MIMO	99.0	0.106	1.007	18.9	

MEASUREMENT RESULTS										
Frequency		Mode/ Band	Ant. No.	Frame Averaged	Test Position	Ant. Config.	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
Mhz	Ch.			Conducted Power (dBm)			(W/kg)	(Duty)	(dBm)	(dBm)
2 441	39	DH5	F	13.35	Left Cheek	Ant 1	0.030	1.013	27.6	18.4
2 441	39	DH5	F	13.35	Left Tilt	Ant 1	0.020	1.013	29.4	
2 441	39	DH5	F	13.35	Right Cheek	Ant 1	0.250	1.013	18.4	
2 441	39	DH5	F	13.35	Right Tilt	Ant 1	0.138	1.013	21.0	
2 441	39	DH5	H	12.50	Left Cheek	Ant 2	0.249	1.013	17.6	17.6
2 441	39	DH5	H	12.50	Left Tilt	Ant 2	0.103	1.013	21.4	
2 441	39	DH5	H	12.50	Right Cheek	Ant 2	0.077	1.013	22.7	
2 441	39	DH5	H	12.50	Right Tilt	Ant 2	0.080	1.013	22.5	
2 441	39	DH5	F+H	10.06	Left Cheek	MIMO	0.153	1.013	17.2	17.2
2 441	39	DH5	F+H	10.06	Left Tilt	MIMO	0.078	1.013	20.2	
2 441	39	DH5	F+H	10.06	Right Cheek	MIMO	0.086	1.013	19.7	
2 441	39	DH5	F+H	10.06	Right Tilt	MIMO	0.133	1.013	17.9	

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

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

MEASUREMENT RESULTS												
Frequency		Mode/ Band		Form Factor	Ant . No.	Frame Averaged Conducted Power (dBm)	Test Position	Spacing (mm)	Duty Cycle	Meas. SAR(1g) (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
MHz	Ch.											
824.2	128	GSM 850	GPRS4Tx	Open	A	21.03	Rear	5	1:2.07	0.326	25.9	25.9
824.2	128	GSM 850	GPRS4Tx	Open	A	21.03	Front	5	1:2.07	0.086	31.7	
824.2	128	GSM 850	GPRS4Tx	Close	A	21.03	Rear	5	1:2.07	0.304	26.2	
824.2	128	GSM 850	GPRS4Tx	Close	A	21.03	Front	5	1:2.07	0.068	32.7	
1 880.0	661	GSM 1900	GPRS4Tx	Open	A	17.01	Rear	5	1:2.07	0.759	18.2	18.2
1 880.0	661	GSM 1900	GPRS4Tx	Open	A	17.01	Front	5	1:2.07	0.417	20.8	
1 880.0	661	GSM 1900	GPRS4Tx	Close	A	17.01	Rear	5	1:2.07	0.529	19.8	
1 880.0	661	GSM 1900	GPRS4Tx	Close	A	17.01	Front	5	1:2.07	0.000 87	47.8	
836.6	4183	UMTS Band 5	RMC	Open	A	21.87	Rear	5	1:1	0.449	25.3	25.3
836.6	4183	UMTS Band 5	RMC	Open	A	21.87	Front	5	1:1	0.310	27.0	
836.6	4183	UMTS Band 5	RMC	Close	A	21.87	Rear	5	1:1	0.356	26.4	
836.6	4183	UMTS Band 5	RMC	Close	A	21.87	Front	5	1:1	0.131	30.7	
1 732.4	1412	UMTS Band 4	RMC	Open	A	18.26	Rear	5	1:1	0.657	20.1	20.1
1 732.4	1412	UMTS Band 4	RMC	Open	A	18.26	Front	5	1:1	0.430	21.9	
1 732.4	1412	UMTS Band 4	RMC	Close	A	18.26	Rear	5	1:1	0.256	24.2	
1 732.4	1412	UMTS Band 4	RMC	Close	A	18.26	Front	5	1:1	0.024	34.5	
1 732.4	1412	UMTS Band 4	RMC	Open	I	16.45	Rear	5	1:1	0.467	19.8	19.8
1 732.4	1412	UMTS Band 4	RMC	Open	I	16.45	Front	5	1:1	0.394	20.5	
1 732.4	1412	UMTS Band 4	RMC	Close	I	16.45	Rear	5	1:1	0.025	32.5	
1 732.4	1412	UMTS Band 4	RMC	Close	I	16.45	Front	5	1:1	0.297	21.7	
1 880	9400	UMTS Band 2	RMC	Open	A	18.23	Rear	5	1:1	0.645	20.1	20.1
1 880	9400	UMTS Band 2	RMC	Open	A	18.23	Front	5	1:1	0.400	22.2	
1 880	9400	UMTS Band 2	RMC	Close	A	18.23	Rear	5	1:1	0.269	23.9	
1 880	9400	UMTS Band 2	RMC	Close	A	18.23	Front	5	1:1	0.011	37.8	
1 880	9400	UMTS Band 2	RMC	Open	I	15.87	Rear	5	1:1	0.333	20.6	19.1
1 880	9400	UMTS Band 2	RMC	Open	I	15.87	Front	5	1:1	0.286	21.3	
1 880	9400	UMTS Band 2	RMC	Close	I	15.87	Rear	5	1:1	0.030	31.1	
1 880	9400	UMTS Band 2	RMC	Close	I	15.87	Front	5	1:1	0.478	19.1	

Table A-6 RSI = 0,3 P_{Limit} Calculations – 4G Body-Worn SAR

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

MEASUREMENT RESULTS															
Frequency		Mode	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	Spacing (mm)	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimur Plimit
Mhz	Ch.														
2 535	21100	LTE Band 7	Open	B	20	18.67	Rear	5	0	1	0	1:1	0.386	22.8	22.8
2 535	21100	LTE Band 7	Open	B	20	18.67	Front	5	0	1	0	1:1	0.305	23.8	
2 535	21100	LTE Band 7	Close	B	20	18.67	Rear	5	0	1	0	1:1	0.234	25.0	
2 535	21100	LTE Band 7	Close	B	20	18.67	Front	5	0	1	0	1:1	0.00694	40.2	
2 535	21100	LTE Band 7	Open	I	20	16.32	Rear	5	0	1	49	1:1	0.393	20.4	19.5
2 535	21100	LTE Band 7	Open	I	20	16.32	Front	5	0	1	49	1:1	0.450	19.8	
2 535	21100	LTE Band 7	Close	I	20	16.32	Rear	5	0	1	49	1:1	0.077	27.5	
2 535	21100	LTE Band 7	Close	I	20	16.32	Front	5	0	1	49	1:1	0.476	19.5	
707.5	23095	LTE Band 12	Open	A	10	22.97	Rear	5	0	1	0	1:1	0.411	26.8	26.8
707.5	23095	LTE Band 12	Open	A	10	22.97	Front	5	0	1	0	1:1	0.215	29.6	
707.5	23095	LTE Band 12	Close	A	10	22.97	Rear	5	0	1	0	1:1	0.391	27.0	
707.5	23095	LTE Band 12	Close	A	10	22.97	Front	5	0	1	0	1:1	0.077	34.1	
782	23230	LTE Band 13	Open	A	10	20.80	Rear	5	0	1	49	1:1	0.536	23.5	23.5
782	23230	LTE Band 13	Open	A	10	20.80	Front	5	0	1	49	1:1	0.325	25.7	
782	23230	LTE Band 13	Close	A	10	20.80	Rear	5	0	1	49	1:1	0.533	23.5	
782	23230	LTE Band 13	Close	A	10	20.80	Front	5	0	1	49	1:1	0.174	28.4	
793	23330	LTE Band 14	Open	A	10	22.69	Rear	5	0	1	0	1:1	0.472	26.0	25.1
793	23330	LTE Band 14	Open	A	10	22.69	Front	5	0	1	0	1:1	0.261	28.5	
793	23330	LTE Band 14	Close	A	10	22.69	Rear	5	0	1	0	1:1	0.577	25.1	
793	23330	LTE Band 14	Close	A	10	22.69	Front	5	0	1	0	1:1	0.169	30.4	
1 882.5	26365	LTE Band 25	Open	A	20	17.30	Rear	5	0	1	0	1:1	0.855	18.0	18.0
1 882.5	26365	LTE Band 25	Open	A	20	17.30	Front	5	0	1	0	1:1	0.484	20.5	
1 882.5	26365	LTE Band 25	Close	A	20	17.30	Rear	5	0	1	0	1:1	0.489	20.4	
1 882.5	26365	LTE Band 25	Close	A	20	17.30	Front	5	0	1	0	1:1	0.016	35.3	
1 882.5	26365	LTE Band 25	Open	I	20	15.88	Rear	5	0	1	49	1:1	0.319	20.8	18.6
1 882.5	26365	LTE Band 25	Open	I	20	15.88	Front	5	0	1	49	1:1	0.056	28.4	
1 882.5	26365	LTE Band 25	Close	I	20	15.88	Rear	5	0	1	49	1:1	0.002	42.9	
1 882.5	26365	LTE Band 25	Close	I	20	15.88	Front	5	0	1	49	1:1	0.529	18.6	
831.5	26865	LTE Band 26	Open	A	15	22.74	Rear	5	0	1	0	1:1	0.504	25.7	25.7
831.5	26865	LTE Band 26	Open	A	15	22.74	Front	5	0	1	0	1:1	0.285	28.2	
831.5	26865	LTE Band 26	Close	A	15	22.74	Rear	5	0	1	0	1:1	0.495	25.8	
831.5	26865	LTE Band 26	Close	A	15	22.74	Front	5	0	1	0	1:1	0.120	31.9	
2 310	27710	LTE Band 30	Open	B	10	18.73	Rear	5	0	1	0	1:1	0.511	21.6	21.6
2 310	27710	LTE Band 30	Open	B	10	18.73	Front	5	0	1	0	1:1	0.388	22.8	
2 310	27710	LTE Band 30	Close	B	10	18.73	Rear	5	0	1	0	1:1	0.370	23.0	
2 310	27710	LTE Band 30	Close	B	10	18.73	Front	5	0	1	0	1:1	0.007	40.3	
2 310	27710	LTE Band 30	Open	I	10	15.30	Rear	5	0	1	24	1:1	0.376	19.5	18.3
2 310	27710	LTE Band 30	Open	I	10	15.30	Front	5	0	1	24	1:1	0.315	20.3	
2 310	27710	LTE Band 30	Close	I	10	15.30	Rear	5	0	1	24	1:1	0.052	28.1	
2 310	27710	LTE Band 30	Close	I	10	15.30	Front	5	0	1	24	1:1	0.502	18.3	

MEASUREMENT RESULTS															
Frequency		Mode	Form Factor	Ant. No.	Bandwidth	Frame Averaged Conducted Power	Test Position	Spacing (mm)	MPR (dB)	RB Size	RB Offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimum Plimit
MHz	Ch.				MHz	(dBm)							(W/kg)	(dBm)	(dBm)
2 593	40620	LTE Band 41	Open	B	20	19.40	Rear	5	0	1	0	1:1.58	0.323	24.3	24.3
2 593	40620	LTE Band 41	Open	B	20	19.40	Front	5	0	1	0	1:1.58	0.254	25.4	
2 593	40620	LTE Band 41	Close	B	20	19.40	Rear	5	0	1	0	1:1.58	0.226	25.9	
2 593	40620	LTE Band 41	Close	B	20	19.40	Front	5	0	1	0	1:1.58	0.004	43.4	
2 593	40620	LTE Band 41	Open	I	20	16.96	Rear	5	0	1	49	1:1.58	0.432	20.6	20.6
2 593	40620	LTE Band 41	Open	I	20	16.96	Front	5	0	1	49	1:1.58	0.398	21.0	
2 593	40620	LTE Band 41	Close	I	20	16.96	Rear	5	0	1	49	1:1.58	0.096	27.1	
2 593	40620	LTE Band 41	Close	I	20	16.96	Front	5	0	1	49	1:1.58	0.429	20.6	
3 646.7	56207	LTE Band 48	Open	F	20	14.57	Rear	5	0	1	0	1:1.58	0.349	19.1	19.1
3 646.7	56207	LTE Band 48	Open	F	20	14.57	Front	5	0	1	0	1:1.58	0.120	23.8	
3 646.7	56207	LTE Band 48	Close	F	20	14.57	Rear	5	0	1	0	1:1.58	0.026	30.4	
3 646.7	56207	LTE Band 48	Close	F	20	14.57	Front	5	0	1	0	1:1.58	0.339	19.3	
1 745	132322	LTE Band 66	Open	A	20	18.55	Rear	5	0	1	99	1:1	0.588	20.9	20.9
1 745	132322	LTE Band 66	Open	A	20	18.55	Front	5	0	1	99	1:1	0.519	21.4	
1 745	132322	LTE Band 66	Close	A	20	18.55	Rear	5	0	1	99	1:1	0.430	22.2	
1 745	132322	LTE Band 66	Close	A	20	18.55	Front	5	0	1	99	1:1	0.137	27.2	
1 770	132572	LTE Band 66	Open	I	20	15.83	Rear	5	0	1	49	1:1	0.645	17.7	17.7
1 770	132572	LTE Band 66	Open	I	20	15.83	Front	5	0	1	49	1:1	0.106	25.6	
1 770	132572	LTE Band 66	Close	I	20	15.83	Rear	5	0	1	49	1:1	0.010	35.8	
1 770	132572	LTE Band 66	Close	I	20	15.83	Front	5	0	1	49	1:1	0.445	19.3	
680.5	133297	LTE Band 71	Open	A	20	24.25	Rear	5	0	1	49	1:1	0.295	29.6	28.4
680.5	133297	LTE Band 71	Open	A	20	24.25	Front	5	0	1	49	1:1	0.216	30.9	
680.5	133297	LTE Band 71	Close	A	20	24.25	Rear	5	0	1	49	1:1	0.382	28.4	
680.5	133297	LTE Band 71	Close	A	20	24.25	Front	5	0	1	49	1:1	0.070	35.8	

Table A-7 RSI = 0,3 *PLimit* Calculations – NR Body-Worn SAR

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

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

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

MEASUREMENT RESULTS																
Frequency		Mode	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
					MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
2 535	507000	NR Band n7	Open	B	40	18.56	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.262	24.4	24.4
2 535	507000	NR Band n7	Open	B	40	18.56	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.202	25.5	
2 535	507000	NR Band n7	Close	B	40	18.56	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.176	26.1	
2 535	507000	NR Band n7	Close	B	40	18.56	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.029	35.5	
2 535	507000	NR Band n7	Open	I	40	16.22	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.194	23.3	20.2
2 535	507000	NR Band n7	Open	I	40	16.22	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.317	21.2	
2 535	507000	NR Band n7	Close	I	40	16.22	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.094	26.5	
2 535	507000	NR Band n7	Close	I	40	16.22	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.402	20.2	
707.5	141500	NR Band n12	Open	A	15	23.37	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.271	29.0	26.2
707.5	141500	NR Band n12	Open	A	15	23.37	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.172	31.0	
707.5	141500	NR Band n12	Close	A	15	23.37	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.520	26.2	
707.5	141500	NR Band n12	Close	A	15	23.37	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.086	34.0	
793	158600	NR Band n14	Open	A	10	23.16	Rear	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.485	26.3	26.3
793	158600	NR Band n14	Open	A	10	23.16	Front	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.295	28.5	
793	158600	NR Band n14	Close	A	10	23.16	Rear	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.481	26.3	
793	158600	NR Band n14	Close	A	10	23.16	Front	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.112	32.7	
1 882.5	376500	NR Band n25	Open	A	40	17.54	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.401	21.5	20.5
1 882.5	376500	NR Band n25	Open	A	40	17.54	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.459	20.9	
1 882.5	376500	NR Band n25	Close	A	40	17.54	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.509	20.5	
1 882.5	376500	NR Band n25	Close	A	40	17.54	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.043	31.2	
1 882.5	376500	NR Band n25	Open	I	40	16.23	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.541	18.9	18.9
1 882.5	376500	NR Band n25	Open	I	40	16.23	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.200	23.2	
1 882.5	376500	NR Band n25	Close	I	40	16.23	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.047	29.5	
1 882.5	376500	NR Band n25	Close	I	40	16.23	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.458	19.6	
831.5	166300	NR Band n26	Open	A	20	23.14	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.408	27.0	25.8
831.5	166300	NR Band n26	Open	A	20	23.14	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.278	28.7	
831.5	166300	NR Band n26	Close	A	20	23.14	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.542	25.8	
831.5	166300	NR Band n26	Close	A	20	23.14	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.084	33.9	
2 310	462000	NR Band n30	Open	B	10	18.33	Rear	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.370	22.6	22.6
2 310	462000	NR Band n30	Open	B	10	18.33	Front	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.089	22.8	
2 310	462000	NR Band n30	Close	B	10	18.33	Rear	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.265	24.1	
2 310	462000	NR Band n30	Close	B	10	18.33	Front	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.036	32.8	
2 310	462000	NR Band n30	Open	I	10	15.59	Rear	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.387	19.7	19.5
2 310	462000	NR Band n30	Open	I	10	15.59	Front	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.141	24.1	
2 310	462000	NR Band n30	Close	I	10	15.59	Rear	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.045	29.1	
2 310	462000	NR Band n30	Close	I	10	15.59	Front	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.404	19.5	

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(1g)	Plimit	Minimum Plimit
MHz	Ch.				MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
1 745	349000	NR Band n66	Open	A	40	17.85	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.411	21.7	21.3
1 745	349000	NR Band n66	Open	A	40	17.85	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.452	21.3	
1 745	349000	NR Band n66	Close	A	40	17.85	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.372	22.1	
1 745	349000	NR Band n66	Close	A	40	17.85	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.136	26.5	
1 745	349000	NR Band n66	Open	I	40	16.40	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.463	19.7	19.7
1 745	349000	NR Band n66	Open	I	40	16.40	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.243	22.5	
1 745	349000	NR Band n66	Close	I	40	16.40	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.032	31.3	
1 745	349000	NR Band n66	Close	I	40	16.40	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.282	21.9	
1 702.5	340500	NR Band n70	Open	A	15	17.92	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.676	19.6	19.6
1 702.5	340500	NR Band n70	Open	A	15	17.92	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.529	20.7	
1 702.5	340500	NR Band n70	Close	A	15	17.92	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.364	22.3	
1 702.5	340500	NR Band n70	Close	A	15	17.92	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.073	29.3	
1 702.5	340500	NR Band n70	Open	I	15	16.22	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.587	18.5	20.0
1 702.5	340500	NR Band n70	Open	I	15	16.22	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.484	19.4	
1 702.5	340500	NR Band n70	Close	I	15	16.22	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.019	33.4	
1 702.5	340500	NR Band n70	Close	I	15	16.22	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.414	20.0	
680.5	136100	NR Band n71	Open	A	20	25.25	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.531	28.0	27.4
680.5	136100	NR Band n71	Open	A	20	25.25	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.256	31.2	
680.5	136100	NR Band n71	Open	A	20	25.25	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.611	27.4	
680.5	136100	NR Band n71	Open	A	20	25.25	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.092	35.6	
2 595	519000	NR Band n38	Open	B	40	19.75	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.552	22.3	22.3
2 595	519000	NR Band n38	Open	B	40	19.75	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.356	24.2	
2 595	519000	NR Band n38	Close	B	40	19.75	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.425	23.5	
2 595	519000	NR Band n38	Close	B	40	19.75	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.082	30.6	
2 592.99	518598	NR Band n41	Open	I	100	19.17	Rear	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.582	21.5	21.5
2 592.99	518598	NR Band n41	Open	I	100	19.17	Front	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.530	21.9	
2 592.99	518598	NR Band n41	Close	I	100	19.17	Rear	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.154	27.3	
2 592.99	518598	NR Band n41	Close	I	100	19.17	Front	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.422	22.9	
2 592.99	518598	NR n41 SRS2	Open	B	100	15.31	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.090	25.8	25.7
2 592.99	518598	NR n41 SRS2	Open	B	100	15.31	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.091	25.7	
2 592.99	518598	NR n41 SRS2	Close	B	100	15.31	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.142	23.8	
2 592.99	518598	NR n41 SRS2	Close	B	100	15.31	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.018	32.8	
2 592.99	518598	NR n41 SRS3	Open	F	100	16.43	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.202	23.4	22.9
2 592.99	518598	NR n41 SRS3	Open	F	100	16.43	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.165	24.3	
2 592.99	518598	NR n41 SRS3	Close	F	100	16.43	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.048	29.6	
2 592.99	518598	NR n41 SRS3	Close	F	100	16.43	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.223	22.9	
2 592.99	518598	NR n41 SRS4	Open	C	100	15.44	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.077	26.6	19.3
2 592.99	518598	NR n41 SRS4	Open	C	100	15.44	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.093	25.8	
2 592.99	518598	NR n41 SRS4	Close	C	100	15.44	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.183	22.8	
2 592.99	518598	NR n41 SRS4	Close	C	100	15.44	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.409	19.3	

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)
3 624.99	641666	NR Band n48	Open	F	40	15.49	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.455	18.9	18.9
3 624.99	641666	NR Band n48	Open	F	40	15.49	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.241	21.7	
3 624.99	641666	NR Band n48	Close	F	40	15.49	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.015	33.7	
3 624.99	641666	NR Band n48	Close	F	40	15.49	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.218	22.1	
3 570	638000	NR n48 SRS2	Open	I	40	15.93	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.245	22.0	22.0
3 570	638000	NR n48 SRS2	Open	I	40	15.93	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.194	23.1	
3 570	638000	NR n48 SRS2	Close	I	40	15.93	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.110	35.5	
3 570	638000	NR n48 SRS2	Close	I	40	15.93	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.217	22.6	
3 570	638000	NR n48 SRS3	Open	E	40	15.55	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.140	24.1	23.2
3 570	638000	NR n48 SRS3	Open	E	40	15.55	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.168	23.3	
3 570	638000	NR n48 SRS3	Close	E	40	15.55	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.029	30.9	
3 570	638000	NR n48 SRS3	Close	E	40	15.55	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.173	23.2	
3 570	638000	NR n48 SRS4	Open	C	40	15.58	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.169	23.3	23.2
3 570	638000	NR n48 SRS4	Open	C	40	15.58	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.174	23.2	
3 570	638000	NR n48 SRS4	Close	C	40	15.58	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.033	30.4	
3 570	638000	NR n48 SRS4	Close	C	40	15.58	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.001	45.6	
3 750	650000	NR Band n77	Open	F	100	13.90	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.243	20.0	19.0
3 750	650000	NR Band n77	Open	F	100	13.90	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.190	21.1	
3 750	650000	NR Band n77	Close	F	100	13.90	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.025	29.9	
3 750	650000	NR Band n77	Close	F	100	13.90	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.308	19.0	
3 750	650000	NR n77 SRS2	Open	I	100	13.90	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.170	21.6	21.1
3 750	650000	NR n77 SRS2	Open	I	100	13.90	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.130	22.8	
3 750	650000	NR n77 SRS2	Close	I	100	13.90	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.025	29.9	
3 750	650000	NR n77 SRS2	Close	I	100	13.90	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.190	21.1	
3 750	650000	NR n77 SRS3	Open	E	100	13.60	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.046	27.0	22.4
3 750	650000	NR n77 SRS3	Open	E	100	13.60	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.079	24.6	
3 750	650000	NR n77 SRS3	Close	E	100	13.60	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.133	22.4	
3 750	650000	NR n77 SRS3	Close	E	100	13.60	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.064	25.5	
3 750	650000	NR n77 SRS4	Open	C	100	13.42	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.091	23.8	22.7
3 750	650000	NR n77 SRS4	Open	C	100	13.42	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.117	22.7	
3 750	650000	NR n77 SRS4	Close	C	100	13.42	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.073	24.8	
3 750	650000	NR n77 SRS4	Close	C	100	13.42	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.023	29.8	

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

MEASUREMENT RESULTS														
Frequency		Mode/ Band	Band width	Form Factor	Ant. No.	Data Rate	Frame Averaged Conducted Power	Test Position	Ant. Config.	Duty Cycle	Meas.	Scaling	Plimit	Minimum
MHz	Ch.										SAR(1g)	Factor	(dBm)	Plimit
			(MHz)			(Mbps)	(dBm)				(W/kg)	(Duty)	(dBm)	(dBm)
2 437	6	802.11b	20	Open	F	1	15.82	Rear	WIFI1	98.8	0.222	1.012	21.4	21.4
2 437	6	802.11b	20	Open	F	1	15.82	Front	WIFI1	98.8	0.114	1.012	24.3	
2 437	6	802.11b	20	Close	F	1	15.82	Rear	WIFI1	98.8	0.045	1.012	28.3	
2 437	6	802.11b	20	Close	F	1	15.82	Front	WIFI1	98.8	0.264	1.012	20.6	
2 437	6	802.11b	20	Open	H	1	15.67	Rear	WIFI2	98.8	0.187	1.012	22.0	22.0
2 437	6	802.11b	20	Open	H	1	15.67	Front	WIFI2	98.8	0.139	1.012	23.3	
2 437	6	802.11b	20	Close	H	1	15.67	Rear	WIFI2	98.8	0.012	1.012	33.9	
2 437	6	802.11b	20	Close	H	1	15.67	Front	WIFI2	98.8	0.101	1.012	24.7	
2 437	6	802.11b	20	Open	F+H	1	15.67	Rear	MIMO	98.8	0.388	1.012	18.8	18.8
2 437	6	802.11b	20	Open	F+H	1	15.67	Front	MIMO	98.8	0.200	1.012	21.7	
2 437	6	802.11b	20	Close	F+H	1	15.67	Rear	MIMO	98.8	0.084	1.012	25.5	
2 437	6	802.11b	20	Close	F+H	1	15.67	Front	MIMO	98.8	0.273	1.012	20.3	
5 855	171	802.11ac	80	Open	F	MCS0	12.95	Rear	WIFI1	85.5	0.193	1.170	19.1	16.9
5 690	138	802.11ac	80	Open	F	MCS0	12.93	Front	WIFI1	85.5	0.128	1.170	20.7	
5 855	171	802.11ac	80	Close	F	MCS0	12.99	Rear	WIFI1	85.5	0.018	1.170	29.4	
5 690	138	802.11ac	80	Close	F	MCS0	12.93	Front	WIFI1	85.5	0.324	1.170	16.9	
5 690	138	802.11ac	80	Open	H	MCS0	12.63	Rear	WIFI2	85.5	0.161	1.170	19.6	18.5
5 775	155	802.11ac	80	Open	H	MCS0	12.99	Front	WIFI2	85.5	0.214	1.170	18.5	
5 855	171	802.11ac	80	Close	H	MCS0	12.76	Rear	WIFI2	85.5	0.013	1.170	30.7	
5 855	171	802.11ac	80	Close	H	MCS0	12.76	Front	WIFI2	85.5	0.217	1.170	18.4	
5 775	155	802.11ac	80	Open	F+H	MCS0	12.81	Rear	MIMO	85.5	0.278	1.170	17.4	17.4
5 775	155	802.11ac	80	Open	F+H	MCS0	12.81	Front	MIMO	85.5	0.185	1.170	19.2	
5 775	155	802.11ac	80	Close	F+H	MCS0	12.81	Rear	MIMO	85.5	0.021	1.170	28.6	
5 775	155	802.11ac	80	Close	F+H	MCS0	12.81	Front	MIMO	85.5	0.222	1.170	18.4	
6 805	171	802.11ax	40	Open	F	MCS0	10.45	Rear	WIFI1	99.0	0.111	1.010	19.0	17.3
6 805	171	802.11ax	40	Open	F	MCS0	10.45	Front	WIFI1	99.0	0.079	1.010	20.5	
6 805	171	802.11ax	40	Close	F	MCS0	10.45	Rear	WIFI1	99.0	0.090	1.010	19.9	
6 805	171	802.11ax	40	Close	F	MCS0	10.45	Front	WIFI1	99.0	0.165	1.010	17.3	
7 085	227	802.11ax	40	Open	H	MCS0	10.35	Rear	WIFI2	99.0	0.099	1.010	19.4	17.7
7 085	227	802.11ax	40	Open	H	MCS0	10.35	Front	WIFI2	99.0	0.045	1.010	22.8	
7 085	227	802.11ax	40	Close	H	MCS0	10.35	Rear	WIFI2	99.0	0.012	1.010	28.6	
7 085	227	802.11ax	40	Close	H	MCS0	10.35	Front	WIFI2	99.0	0.147	1.010	17.7	
7 085	227	802.11ax	40	Open	F+H	MCS0	10.11	Rear	MIMO	99.0	0.126	1.010	18.1	16.5
7 085	227	802.11ax	40	Open	F+H	MCS0	10.11	Front	MIMO	99.0	0.074	1.010	20.4	
7 085	227	802.11ax	40	Close	F+H	MCS0	10.11	Rear	MIMO	99.0	0.036	1.010	23.6	
7 085	227	802.11ax	40	Close	F+H	MCS0	10.11	Front	MIMO	99.0	0.184	1.010	16.5	

MEASUREMENT RESULTS											
Frequency		Mode/ Band	Form Factor	Ant. No.	Frame Averaged Conducted Power	Test Position	Ant. Config.	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
MHz	Ch.				(dBm)			(W/kg)	(Duty)	(dBm)	(dBm)
2 441	39	DH5	Open	F	19.39	Rear	Ant 1	0.285	1.013	23.9	22.6
2 441	39	DH5	Open	F	19.39	Front	Ant 1	0.0042	1.013	42.4	
2 441	39	DH5	Close	F	19.39	Rear	Ant 1	0.039	1.013	32.5	
2 441	39	DH5	Close	F	19.39	Front	Ant 1	0.383	1.013	22.6	
2 441	39	DH5	Open	H	18.89	Rear	Ant 2	0.291	1.013	23.3	21.6
2 441	39	DH5	Open	H	18.89	Front	Ant 2	0.188	1.013	25.2	
2 441	39	DH5	Close	H	18.89	Rear	Ant 2	0.071	1.013	29.4	
2 441	39	DH5	Close	H	18.89	Front	Ant 2	0.427	1.013	21.6	
2 441	39	DH5	Open	MIMO	13.27	Rear	MIMO	0.118	1.013	21.6	21.1
2 441	39	DH5	Open	MIMO	13.27	Front	MIMO	0.201	1.013	19.3	
2 441	39	DH5	Close	MIMO	13.27	Rear	MIMO	0.030	1.013	27.5	
2 441	39	DH5	Close	MIMO	13.27	Front	MIMO	0.133	1.013	21.1	

Table A-9 RSI = 2,4 P_{Limit} Calculations – 2G/3G Hotspot SAR

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

MEASUREMENT RESULTS												
Frequency		Mode/ Band		Form Factor	Ant. No.	Frame Averaged Conducted Power (dBm)	Test Position	Spacing (mm)	Duty Cycle	Meas. SAR(1g) (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
MHz	Ch.											
824.2	128	GSM 850	GPRS4Tx	Open	A	21.03	Rear	5	1:2.07	0.326	25.9	25.9
824.2	128	GSM 850	GPRS4Tx	Open	A	21.03	Front	5	1:2.07	0.086	31.7	
824.2	128	GSM 850	GPRS4Tx	Open	A	21.03	Left	5	1:2.07	0.039	35.1	
824.2	128	GSM 850	GPRS4Tx	Open	A	21.03	Right	5	1:2.07	0.101	31.0	
824.2	128	GSM 850	GPRS4Tx	Open	A	21.03	Bottom	5	1:2.07	0.147	29.4	
824.2	128	GSM 850	GPRS4Tx	Close	A	21.03	Rear	5	1:2.07	0.304	26.2	
824.2	128	GSM 850	GPRS4Tx	Close	A	21.03	Front	5	1:2.07	0.068	32.7	
824.2	128	GSM 850	GPRS4Tx	Close	A	21.03	Left	5	1:2.07	0.071	32.5	
824.2	128	GSM 850	GPRS4Tx	Close	A	21.03	Right	5	1:2.07	0.056	33.5	
824.2	128	GSM 850	GPRS4Tx	Close	A	21.03	Bottom	5	1:2.07	0.125	30.1	
1 850.2	512	GSM 1900	GPRS4Tx	Open	A	17.01	Rear	5	1:2.07	0.759	18.2	17.9
1 850.2	512	GSM 1900	GPRS4Tx	Open	A	17.01	Front	5	1:2.07	0.417	20.8	
1 850.2	512	GSM 1900	GPRS4Tx	Open	A	17.01	Left	5	1:2.07	0.071	28.5	
1 850.2	512	GSM 1900	GPRS4Tx	Open	A	17.01	Right	5	1:2.07	0.039	31.1	
1 850.2	512	GSM 1900	GPRS4Tx	Open	A	17.01	Bottom	5	1:2.07	0.810	17.9	
1 850.2	512	GSM 1900	GPRS4Tx	Close	A	17.01	Rear	5	1:2.07	0.529	19.8	
1 850.2	512	GSM 1900	GPRS4Tx	Close	A	17.01	Front	5	1:2.07	0.000877	47.0	
1 850.2	512	GSM 1900	GPRS4Tx	Close	A	17.01	Left	5	1:2.07	0.034	31.7	
1 850.2	512	GSM 1900	GPRS4Tx	Close	A	17.01	Right	5	1:2.07	0.011	36.6	
1 850.2	512	GSM 1900	GPRS4Tx	Close	A	17.01	Bottom	5	1:2.07	0.768	18.2	

MEASUREMENT RESULTS												
Frequency		Mode/ Band		Form Factor	Ant. No.	Frame Averaged Conducted Power (dBm)	Test Position	Spacing (mm)	Duty Cycle	Meas. SAR(1g) (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
MHz	Ch.											
836.6	4183	UMTS Band 5	RMC	Open	A	21.87	Rear	5	1:1	0.449	25.3	25.3
836.6	4183	UMTS Band 5	RMC	Open	A	21.87	Front	5	1:1	0.310	27.0	
836.6	4183	UMTS Band 5	RMC	Open	A	21.87	Left	5	1:1	0.141	30.4	
836.6	4183	UMTS Band 5	RMC	Open	A	21.87	Right	5	1:1	0.181	29.3	
836.6	4183	UMTS Band 5	RMC	Open	A	21.87	Bottom	5	1:1	0.187	29.2	
836.6	4183	UMTS Band 5	RMC	Close	A	21.87	Rear	5	1:1	0.356	26.4	
836.6	4183	UMTS Band 5	RMC	Close	A	21.87	Front	5	1:1	0.131	30.7	
836.6	4183	UMTS Band 5	RMC	Close	A	21.87	Left	5	1:1	0.117	31.2	
836.6	4183	UMTS Band 5	RMC	Close	A	21.87	Right	5	1:1	0.085	32.6	
836.6	4183	UMTS Band 5	RMC	Close	A	21.87	Bottom	5	1:1	0.193	29.0	
1 732.4	1412	UMTS Band 4	RMC	Open	A	18.26	Rear	5	1:1	0.657	20.1	18.8
1 732.4	1412	UMTS Band 4	RMC	Open	A	18.26	Front	5	1:1	0.430	21.9	
1 732.4	1412	UMTS Band 4	RMC	Open	A	18.26	Left	5	1:1	0.060	30.5	
1 732.4	1412	UMTS Band 4	RMC	Open	A	18.26	Right	5	1:1	0.039	32.3	
1 732.4	1412	UMTS Band 4	RMC	Open	A	18.26	Bottom	5	1:1	0.889	18.8	
1 732.4	1412	UMTS Band 4	RMC	Close	A	18.26	Rear	5	1:1	0.256	22.4	
1 732.4	1412	UMTS Band 4	RMC	Close	A	18.26	Front	5	1:1	0.024	32.7	
1 732.4	1412	UMTS Band 4	RMC	Close	A	18.26	Left	5	1:1	0.064	28.4	
1 732.4	1412	UMTS Band 4	RMC	Close	A	18.26	Right	5	1:1	0.012	35.7	
1 732.4	1412	UMTS Band 4	RMC	Close	A	18.26	Bottom	5	1:1	0.700	19.8	
1 732.4	1412	UMTS Band 4	RMC	Open	I	16.45	Rear	5	1:1	0.467	19.8	19.1
1 732.4	1412	UMTS Band 4	RMC	Open	I	16.45	Front	5	1:1	0.394	20.5	
1 732.4	1412	UMTS Band 4	RMC	Open	I	16.45	Left	5	1:1	0.705	18.0	
1 732.4	1412	UMTS Band 4	RMC	Open	I	16.45	Right	5	1:1	0.025	32.5	
1 732.4	1412	UMTS Band 4	RMC	Open	I	16.45	Bottom	5	1:1	0.025	32.5	
1 732.4	1412	UMTS Band 4	RMC	Close	I	16.45	Rear	5	1:1	0.297	21.7	
1 732.4	1412	UMTS Band 4	RMC	Close	I	16.45	Front	5	1:1	0.542	19.1	
1 732.4	1412	UMTS Band 4	RMC	Close	I	16.45	Left	5	1:1	0.002	43.4	
1 732.4	1412	UMTS Band 4	RMC	Close	I	16.45	Right	5	1:1	0.016	34.4	

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)
1 880	9400	UMTS Band 2	RMC	Open	A	18.23	Rear	5	1:1	0.645	20.1	18.2
1 880	9400	UMTS Band 2	RMC	Open	A	18.23	Front	5	1:1	0.400	22.2	
1 880	9400	UMTS Band 2	RMC	Open	A	18.23	Left	5	1:1	0.041	32.1	
1 880	9400	UMTS Band 2	RMC	Open	A	18.23	Right	5	1:1	0.041	32.1	
1 880	9400	UMTS Band 2	RMC	Open	A	18.23	Bottom	5	1:1	0.987	18.2	
1 880	9400	UMTS Band 2	RMC	Close	A	18.23	Rear	5	1:1	0.269	23.9	
1 880	9400	UMTS Band 2	RMC	Close	A	18.23	Front	5	1:1	0.011	37.8	
1 880	9400	UMTS Band 2	RMC	Close	A	18.23	Left	5	1:1	0.037	32.5	
1 880	9400	UMTS Band 2	RMC	Close	A	18.23	Right	5	1:1	0.013	37.1	
1 880	9400	UMTS Band 2	RMC	Close	A	18.23	Bottom	5	1:1	0.680	19.9	
1 880	9400	UMTS Band 2	RMC	Open	I	15.87	Rear	5	1:1	0.333	20.6	17.1
1 880	9400	UMTS Band 2	RMC	Open	I	15.87	Front	5	1:1	0.286	21.3	
1 880	9400	UMTS Band 2	RMC	Open	I	15.87	Right	5	1:1	0.753	17.1	
1 880	9400	UMTS Band 2	RMC	Open	I	15.87	Top	5	1:1	0.032	30.8	
1 880	9400	UMTS Band 2	RMC	Close	I	15.87	Rear	5	1:1	0.030	31.1	
1 880	9400	UMTS Band 2	RMC	Close	I	15.87	Front	5	1:1	0.478	19.1	
1 880	9400	UMTS Band 2	RMC	Close	I	15.87	Right	5	1:1	0.737	17.2	
1 880	9400	UMTS Band 2	RMC	Close	I	15.87	Top	5	1:1	0.002	42.9	
1 880	9400	UMTS Band 2	RMC	Close	I	15.87	Bottom	5	1:1	0.026	31.7	

Table A-10 RSI = 2,4 *P*_{Limit} Calculations – 4G Hotspot SAR

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

MEASUREMENT RESULTS															
Frequency		Mode	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	Spacing (mm)	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimum Plimit
					MHz	(dBm)		(dB)					(W/kg)	(dBm)	(dBm)
2 535	21100	LTE Band 7	Open	B	20	18.67	Rear	5	0	1	0	1:1	0.386	22.8	19.9
2 535	21100	LTE Band 7	Open	B	20	18.67	Front	5	0	1	0	1:1	0.305	23.8	
2 535	21100	LTE Band 7	Open	B	20	18.67	Left	5	0	1	0	1:1	0.226	25.1	
2 535	21100	LTE Band 7	Open	B	20	18.67	Bottom	5	0	1	0	1:1	0.753	19.9	
2 535	21100	LTE Band 7	Close	B	20	18.67	Rear	5	0	1	0	1:1	0.234	25.0	
2 535	21100	LTE Band 7	Close	B	20	18.67	Front	5	0	1	0	1:1	0.0069	40.2	
2 535	21100	LTE Band 7	Close	B	20	18.67	Left	5	0	1	0	1:1	0.146	27.0	
2 535	21100	LTE Band 7	Close	B	20	18.67	Bottom	5	0	1	0	1:1	0.479	21.9	
2 535	21100	LTE Band 7	Open	I	20	16.32	Rear	5	0	1	49	1:1	0.393	20.4	17.7
2 535	21100	LTE Band 7	Open	I	20	16.32	Front	5	0	1	49	1:1	0.450	19.8	
2 535	21100	LTE Band 7	Open	I	20	16.32	Right	5	0	1	49	1:1	0.723	17.7	
2 535	21100	LTE Band 7	Open	I	20	16.32	Top	5	0	1	49	1:1	0.046	29.7	
2 535	21100	LTE Band 7	Close	I	20	16.32	Rear	5	0	1	49	1:1	0.077	27.5	
2 535	21100	LTE Band 7	Close	I	20	16.32	Front	5	0	1	49	1:1	0.476	19.5	
2 535	21100	LTE Band 7	Close	I	20	16.32	Right	5	0	1	49	1:1	0.491	19.4	
2 535	21100	LTE Band 7	Close	I	20	16.32	Top	5	0	1	49	1:1	0.020	33.3	
2 535	21100	LTE Band 7	Close	I	20	16.32	Bottom	5	0	1	49	1:1	0.057	28.8	26.8
707.5	23095	LTE Band 12	Open	A	10	22.97	Rear	5	0	1	0	1:1	0.411	26.8	
707.5	23095	LTE Band 12	Open	A	10	22.97	Front	5	0	1	0	1:1	0.215	29.6	
707.5	23095	LTE Band 12	Open	A	10	22.97	Left	5	0	1	0	1:1	0.200	30.0	
707.5	23095	LTE Band 12	Open	A	10	22.97	Right	5	0	1	0	1:1	0.209	29.8	
707.5	23095	LTE Band 12	Open	A	10	22.97	Bottom	5	0	1	0	1:1	0.082	33.8	
707.5	23095	LTE Band 12	Close	A	10	22.97	Rear	5	0	1	0	1:1	0.391	27.0	
707.5	23095	LTE Band 12	Close	A	10	22.97	Front	5	0	1	0	1:1	0.077	34.1	
707.5	23095	LTE Band 12	Close	A	10	22.97	Left	5	0	1	0	1:1	0.088	33.5	
707.5	23095	LTE Band 12	Close	A	10	22.97	Right	5	0	1	0	1:1	0.049	36.1	
707.5	23095	LTE Band 12	Close	A	10	22.97	Bottom	5	0	1	0	1:1	0.136	31.6	
782	23230	LTE Band 13	Open	A	10	20.80	Rear	5	0	1	49	1:1	0.536	23.5	23.5
782	23230	LTE Band 13	Open	A	10	20.80	Front	5	0	1	49	1:1	0.325	25.7	
782	23230	LTE Band 13	Open	A	10	20.80	Left	5	0	1	49	1:1	0.159	28.8	
782	23230	LTE Band 13	Open	A	10	20.80	Right	5	0	1	49	1:1	0.272	26.5	
782	23230	LTE Band 13	Open	A	10	20.80	Bottom	5	0	1	49	1:1	0.151	29.0	
782	23230	LTE Band 13	Close	A	10	20.80	Rear	5	0	1	49	1:1	0.533	23.5	
782	23230	LTE Band 13	Close	A	10	20.80	Front	5	0	1	49	1:1	0.174	28.4	
782	23230	LTE Band 13	Close	A	10	20.80	Left	5	0	1	49	1:1	0.131	29.6	
782	23230	LTE Band 13	Close	A	10	20.80	Right	5	0	1	49	1:1	0.060	33.0	
782	23230	LTE Band 13	Close	A	10	20.80	Bottom	5	0	1	49	1:1	0.215	27.5	

MEASUREMENT RESULTS															
Frequency		Mode	Form Factor	Ant. No.	Bandwidth	Frame Averaged Conducted Power	Test Position	Spacing (mm)	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit	Minimum Plimit
MHz	Ch.				MHz	(dBm)			(dB)				(W/kg)	(dBm)	(dBm)
793	23330	LTE Band 14	Open	A	10	22.69	Rear	5	0	1	0	1:1	0.472	26.0	25.1
793	23330	LTE Band 14	Open	A	10	22.69	Front	5	0	1	0	1:1	0.261	28.5	
793	23330	LTE Band 14	Open	A	10	22.69	Left	5	0	1	0	1:1	0.127	31.7	
793	23330	LTE Band 14	Open	A	10	22.69	Right	5	0	1	0	1:1	0.248	28.7	
793	23330	LTE Band 14	Open	A	10	22.69	Bottom	5	0	1	0	1:1	0.143	31.1	
793	23330	LTE Band 14	Close	A	10	22.69	Rear	5	0	1	0	1:1	0.577	25.1	
793	23330	LTE Band 14	Close	A	10	22.69	Front	5	0	1	0	1:1	0.169	30.4	
793	23330	LTE Band 14	Close	A	10	22.69	Left	5	0	1	0	1:1	0.142	31.2	
793	23330	LTE Band 14	Close	A	10	22.69	Right	5	0	1	0	1:1	0.062	34.8	
793	23330	LTE Band 14	Close	A	10	22.69	Bottom	5	0	1	0	1:1	0.236	29.0	
1882.5	26365	LTE Band 25	Open	A	20	17.30	Rear	5	0	1	0	1:1	0.855	18.0	17.7
1882.5	26365	LTE Band 25	Open	A	20	17.30	Front	5	0	1	0	1:1	0.484	20.5	
1882.5	26365	LTE Band 25	Open	A	20	17.30	Left	5	0	1	0	1:1	0.087	27.9	
1882.5	26365	LTE Band 25	Open	A	20	17.30	Right	5	0	1	0	1:1	0.035	31.9	
1882.5	26365	LTE Band 25	Open	A	20	17.30	Bottom	5	0	1	0	1:1	0.902	17.7	
1882.5	26365	LTE Band 25	Close	A	20	17.30	Rear	5	0	1	0	1:1	0.489	20.4	
1882.5	26365	LTE Band 25	Close	A	20	17.30	Front	5	0	1	0	1:1	0.016	35.3	
1882.5	26365	LTE Band 25	Close	A	20	17.30	Left	5	0	1	0	1:1	0.044	30.9	
1882.5	26365	LTE Band 25	Close	A	20	17.30	Right	5	0	1	0	1:1	0.008	38.3	
1882.5	26365	LTE Band 25	Close	A	20	17.30	Bottom	5	0	1	0	1:1	0.678	19.0	
1882.5	26365	LTE Band 25	Open	I	20	15.88	Rear	5	0	1	49	1:1	0.319	20.8	16.4
1882.5	26365	LTE Band 25	Open	I	20	15.88	Front	5	0	1	49	1:1	0.056	28.4	
1882.5	26365	LTE Band 25	Open	I	20	15.88	Right	5	0	1	49	1:1	0.887	16.4	
1882.5	26365	LTE Band 25	Open	I	20	15.88	Top	5	0	1	49	1:1	0.041	29.8	
1882.5	26365	LTE Band 25	Close	I	20	15.88	Rear	5	0	1	49	1:1	0.002	42.9	
1882.5	26365	LTE Band 25	Close	I	20	15.88	Front	5	0	1	49	1:1	0.529	18.6	
1882.5	26365	LTE Band 25	Close	I	20	15.88	Right	5	0	1	49	1:1	0.872	16.5	
1882.5	26365	LTE Band 25	Close	I	20	15.88	Top	5	0	1	49	1:1	0.012	35.1	
1882.5	26365	LTE Band 25	Close	I	20	15.88	Bottom	5	0	1	49	1:1	0.030	31.1	
831.5	26865	LTE Band 26	Open	A	15	22.74	Rear	5	0	1	0	1:1	0.504	25.7	25.7
831.5	26865	LTE Band 26	Open	A	15	22.74	Front	5	0	1	0	1:1	0.285	28.2	
831.5	26865	LTE Band 26	Open	A	15	22.74	Left	5	0	1	0	1:1	0.128	31.7	
831.5	26865	LTE Band 26	Open	A	15	22.74	Right	5	0	1	0	1:1	0.214	29.4	
831.5	26865	LTE Band 26	Open	A	15	22.74	Bottom	5	0	1	0	1:1	0.161	30.7	
831.5	26865	LTE Band 26	Close	A	15	22.74	Rear	5	0	1	0	1:1	0.495	25.8	
831.5	26865	LTE Band 26	Close	A	15	22.74	Front	5	0	1	0	1:1	0.120	31.9	
831.5	26865	LTE Band 26	Close	A	15	22.74	Left	5	0	1	0	1:1	0.132	31.5	
831.5	26865	LTE Band 26	Close	A	15	22.74	Right	5	0	1	0	1:1	0.093	33.1	
831.5	26865	LTE Band 26	Close	A	15	22.74	Bottom	5	0	1	0	1:1	0.191	29.9	

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)			(dB)				(W/kg)	(dBm)	(dBm)
2 310	27710	LTE Band 30	Open	B	10	18.73	Rear	5	0	1	0	1:1	0.511	21.6	19.3
2 310	27710	LTE Band 30	Open	B	10	18.73	Front	5	0	1	0	1:1	0.388	22.8	
2 310	27710	LTE Band 30	Open	B	10	18.73	Left	5	0	1	0	1:1	0.140	27.3	
2 310	27710	LTE Band 30	Open	B	10	18.73	Bottom	5	0	1	0	1:1	0.871	19.3	
2 310	27710	LTE Band 30	Close	B	10	18.73	Rear	5	0	1	0	1:1	0.370	23.0	
2 310	27710	LTE Band 30	Close	B	10	18.73	Front	5	0	1	0	1:1	0.007	40.3	
2 310	27710	LTE Band 30	Close	B	10	18.73	Left	5	0	1	0	1:1	0.113	28.2	
2 310	27710	LTE Band 30	Close	B	10	18.73	Bottom	5	0	1	0	1:1	0.664	20.5	
2 310	27710	LTE Band 30	Open	I	10	15.30	Rear	5	0	1	24	1:1	0.376	19.5	
2 310	27710	LTE Band 30	Open	I	10	15.30	Front	5	0	1	24	1:1	0.315	20.3	
2 310	27710	LTE Band 30	Open	I	10	15.30	Right	5	0	1	24	1:1	0.896	15.8	
2 310	27710	LTE Band 30	Open	I	10	15.30	Top	5	0	1	24	1:1	0.031	30.4	
2 310	27710	LTE Band 30	Close	I	10	15.30	Rear	5	0	1	24	1:1	0.052	28.1	
2 310	27710	LTE Band 30	Close	I	10	15.30	Front	5	0	1	24	1:1	0.502	18.3	
2 310	27710	LTE Band 30	Close	I	10	15.30	Right	5	0	1	24	1:1	0.378	19.5	
2 310	27710	LTE Band 30	Close	I	10	15.30	Top	5	0	1	24	1:1	0.027	31.0	
2 310	27710	LTE Band 30	Close	I	10	15.30	Bottom	5	0	1	24	1:1	0.040	29.3	
2 593	40620	LTE Band 41	Open	B	20	19.40	Rear	5	0	1	0	1:1.58	0.323	24.3	21.4
2 593	40620	LTE Band 41	Open	B	20	19.40	Front	5	0	1	0	1:1.58	0.254	25.4	
2 593	40620	LTE Band 41	Open	B	20	19.40	Left	5	0	1	0	1:1.58	0.169	27.1	
2 593	40620	LTE Band 41	Open	B	20	19.40	Bottom	5	0	1	0	1:1.58	0.625	21.4	
2 593	40620	LTE Band 41	Close	B	20	19.40	Rear	5	0	1	0	1:1.58	0.226	25.9	
2 593	40620	LTE Band 41	Close	B	20	19.40	Front	5	0	1	0	1:1.58	0.004	43.4	
2 593	40620	LTE Band 41	Close	B	20	19.40	Left	5	0	1	0	1:1.58	0.099	29.4	
2 593	40620	LTE Band 41	Close	B	20	19.40	Bottom	5	0	1	0	1:1.58	0.376	23.7	
2 549.5	40185	LTE Band 41	Open	I	20	16.96	Rear	5	0	1	49	1:1.58	0.432	20.6	17.6
2 549.5	40185	LTE Band 41	Open	I	20	16.96	Front	5	0	1	49	1:1.58	0.398	21.0	
2 549.5	40185	LTE Band 41	Open	I	20	16.96	Right	5	0	1	49	1:1.58	0.686	18.6	
2 549.5	40185	LTE Band 41	Open	I	20	16.96	Top	5	0	1	49	1:1.58	0.045	30.4	
2 549.5	40185	LTE Band 41	Close	I	20	16.96	Rear	5	0	1	49	1:1.58	0.096	27.1	
2 549.5	40185	LTE Band 41	Close	I	20	16.96	Front	5	0	1	49	1:1.58	0.429	20.6	
2 549.5	40185	LTE Band 41	Close	I	20	16.96	Right	5	0	1	49	1:1.58	0.867	17.6	
2 549.5	40185	LTE Band 41	Close	I	20	16.96	Top	5	0	1	49	1:1.58	0.030	32.2	
2 549.5	40185	LTE Band 41	Close	I	20	16.96	Bottom	5	0	1	49	1:1.58	0.068	28.6	

MEASUREMENT RESULTS															
Frequency		Mode	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position	Spacing (mm)	MPR	RB Size	RB offset	Duty Cycle	Meas. SAR (1g)	Plimit (dBm)	Minimum Plimit (dBm)
Mhz	Ch.				Mhz	(dBm)							(W/kg)		
3 646.7	56207	LTE Band 48	Open	F	20	14.57	Rear	5	0	1	0	1:1.58	0.349	19.1	18.1
3 646.7	56207	LTE Band 48	Open	F	20	14.57	Front	5	0	1	0	1:1.58	0.120	23.8	
3 646.7	56207	LTE Band 48	Open	F	20	14.57	Left	5	0	1	0	1:1.58	0.444	18.1	
3 646.7	56207	LTE Band 48	Open	F	20	14.57	Top	5	0	1	0	1:1.58	0.192	21.7	
3 646.7	56207	LTE Band 48	Close	F	20	14.57	Rear	5	0	1	0	1:1.58	0.026	30.4	
3 646.7	56207	LTE Band 48	Close	F	20	14.57	Front	5	0	1	0	1:1.58	0.339	19.3	
3 646.7	56207	LTE Band 48	Close	F	20	14.57	Left	5	0	1	0	1:1.58	0.322	19.5	
3 646.7	56207	LTE Band 48	Close	F	20	14.57	Bottom	5	0	1	0	1:1.58	0.132	23.4	
1 745	132322	LTE Band 66	Open	A	20	18.55	Rear	5	0	1	99	1:1	0.588	20.9	20.1
1 745	132322	LTE Band 66	Open	A	20	18.55	Front	5	0	1	99	1:1	0.519	21.4	
1 745	132322	LTE Band 66	Open	A	20	18.55	Left	5	0	1	99	1:1	0.133	27.3	
1 745	132322	LTE Band 66	Open	A	20	18.55	Right	5	0	1	99	1:1	0.045	32.0	
1 745	132322	LTE Band 66	Open	A	20	18.55	Bottom	5	0	1	99	1:1	0.907	20.1	
1 745	132322	LTE Band 66	Close	A	20	18.55	Rear	5	0	1	99	1:1	0.430	22.2	
1 745	132322	LTE Band 66	Close	A	20	18.55	Front	5	0	1	99	1:1	0.137	27.2	
1 745	132322	LTE Band 66	Close	A	20	18.55	Left	5	0	1	99	1:1	0.075	29.8	
1 745	132322	LTE Band 66	Close	A	20	18.55	Right	5	0	1	99	1:1	0.0065	40.1	
1 745	132322	LTE Band 66	Close	A	20	18.55	Bottom	5	0	1	99	1:1	0.642	20.5	
1 770	132572	LTE Band 66	Open	I	20	15.83	Rear	5	0	1	49	1:1	0.645	17.7	16.2
1 770	132572	LTE Band 66	Open	I	20	15.83	Front	5	0	1	49	1:1	0.106	25.6	
1 770	132572	LTE Band 66	Open	I	20	15.83	Right	5	0	1	49	1:1	0.911	16.2	
1 770	132572	LTE Band 66	Open	I	20	15.83	Top	5	0	1	49	1:1	0.024	32.0	
1 770	132572	LTE Band 66	Close	I	20	15.83	Rear	5	0	1	49	1:1	0.010	35.8	
1 770	132572	LTE Band 66	Close	I	20	15.83	Front	5	0	1	49	1:1	0.445	19.3	
1 770	132572	LTE Band 66	Close	I	20	15.83	Right	5	0	1	49	1:1	0.790	16.9	
1 770	132572	LTE Band 66	Close	I	20	15.83	Top	5	0	1	49	1:1	0.008	36.8	
1 770	132572	LTE Band 66	Close	I	20	15.83	Bottom	5	0	1	49	1:1	0.022	32.4	
680.5	133297	LTE Band 71	Open	A	20	24.25	Rear	5	0	1	49	1:1	0.295	29.6	28.4
680.5	133297	LTE Band 71	Open	A	20	24.25	Front	5	0	1	49	1:1	0.216	30.9	
680.5	133297	LTE Band 71	Open	A	20	24.25	Left	5	0	1	49	1:1	0.328	29.1	
680.5	133297	LTE Band 71	Open	A	20	24.25	Right	5	0	1	49	1:1	0.266	30.0	
680.5	133297	LTE Band 71	Open	A	20	24.25	Bottom	5	0	1	49	1:1	0.103	34.1	
680.5	133297	LTE Band 71	Close	A	20	24.25	Rear	5	0	1	49	1:1	0.382	28.4	
680.5	133297	LTE Band 71	Close	A	20	24.25	Front	5	0	1	49	1:1	0.070	35.8	
680.5	133297	LTE Band 71	Close	A	20	24.25	Left	5	0	1	49	1:1	0.111	33.8	
680.5	133297	LTE Band 71	Close	A	20	24.25	Right	5	0	1	49	1:1	0.039	38.3	
680.5	133297	LTE Band 71	Close	A	20	24.25	Bottom	5	0	1	49	1:1	0.185	31.6	

Table A-11 RSI = 2,4 *PLimit* Calculations – NR Hotspot SAR

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

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

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

MEASUREMENT RESULTS																
Frequency		Mode	Form Factor	Ant. No.	Band	Frame	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas.	Plimit	Minimu
					widht	Averaged								SAR(1g)		
Mhz	Ch.				h	Conducted								(W/kg)	(dBm)	(dBm)
						Power			(dB)							
2 535	507000	NR Band n7	Open	B	40	18.56	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.262	24.4	21.1
2 535	507000	NR Band n7	Open	B	40	18.56	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.202	25.5	
2 535	507000	NR Band n7	Open	B	40	18.56	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.164	26.4	
2 535	507000	NR Band n7	Open	B	40	18.56	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.562	21.1	
2 535	507000	NR Band n7	Close	B	40	18.56	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.176	26.1	
2 535	507000	NR Band n7	Close	B	40	18.56	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.020	35.5	
2 535	507000	NR Band n7	Close	B	40	18.56	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.120	27.8	
2 535	507000	NR Band n7	Close	B	40	18.56	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.450	22.0	
2 535	507000	NR Band n7	Open	I	40	16.22	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.194	23.3	18.2
2 535	507000	NR Band n7	Open	I	40	16.22	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.317	21.2	
2 535	507000	NR Band n7	Open	I	40	16.22	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.630	18.2	
2 535	507000	NR Band n7	Open	I	40	16.22	Top	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.029	31.6	
2 535	507000	NR Band n7	Close	I	40	16.22	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.094	26.5	
2 535	507000	NR Band n7	Close	I	40	16.22	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.402	20.2	
2 535	507000	NR Band n7	Close	I	40	16.22	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.483	19.4	
2 535	507000	NR Band n7	Close	I	40	16.22	Top	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.041	30.1	
2 535	507000	NR Band n7	Close	I	40	16.22	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.044	29.8	
707.5	141500	NR Band n12	Open	A	15	23.37	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.271	29.0	26.2
707.5	141500	NR Band n12	Open	A	15	23.37	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.172	31.0	
707.5	141500	NR Band n12	Open	A	15	23.37	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.208	30.2	
707.5	141500	NR Band n12	Open	A	15	23.37	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.209	30.2	
707.5	141500	NR Band n12	Open	A	15	23.37	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.185	30.6	
707.5	141500	NR Band n12	Close	A	15	23.37	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.520	26.2	
707.5	141500	NR Band n12	Close	A	15	23.37	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.086	34.0	
707.5	141500	NR Band n12	Close	A	15	23.37	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.109	32.9	
707.5	141500	NR Band n12	Close	A	15	23.37	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.046	36.7	
707.5	141500	NR Band n12	Close	A	15	23.37	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.142	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	Minimum Plimit
MHz	Ch.															
					MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
793	158600	NR Band n14	Open	A	10	23.16	Rear	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.485	26.3	26.3
793	158600	NR Band n14	Open	A	10	23.16	Front	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.295	28.5	
793	158600	NR Band n14	Open	A	10	23.16	Left	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.126	32.2	
793	158600	NR Band n14	Open	A	10	23.16	Right	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.196	30.2	
793	158600	NR Band n14	Open	A	10	23.16	Bottom	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.141	31.7	
793	158600	NR Band n14	Close	A	10	23.16	Rear	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.481	26.3	
793	158600	NR Band n14	Close	A	10	23.16	Front	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.112	32.7	
793	158600	NR Band n14	Close	A	10	23.16	Left	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.103	33.0	
793	158600	NR Band n14	Open	A	10	23.16	Right	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.064	35.1	
793	158600	NR Band n14	Close	A	10	23.16	Bottom	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.162	31.1	
1882.5	376500	NR Band n25	Open	A	40	17.54	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.401	21.5	18.0
1882.5	376500	NR Band n25	Open	A	40	17.54	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.459	20.9	
1882.5	376500	NR Band n25	Open	A	40	17.54	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.079	28.6	
1882.5	376500	NR Band n25	Open	A	40	17.54	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.035	32.1	
1882.5	376500	NR Band n25	Open	A	40	17.54	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.898	18.0	
1882.5	376500	NR Band n25	Close	A	40	17.54	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.509	20.5	
1882.5	376500	NR Band n25	Close	A	40	17.54	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.043	31.2	
1882.5	376500	NR Band n25	Close	A	40	17.54	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.048	30.7	
1882.5	376500	NR Band n25	Open	A	40	17.54	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.008	38.5	
1882.5	376500	NR Band n25	Open	A	40	17.54	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.680	19.2	
1882.5	376500	NR Band n25	Open	I	40	16.23	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.541	18.9	16.8
1882.5	376500	NR Band n25	Open	I	40	16.23	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.200	23.2	
1882.5	376500	NR Band n25	Open	I	40	16.23	Right	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.868	16.8	
1882.5	376500	NR Band n25	Open	I	40	16.23	Top	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.050	29.2	
1882.5	376500	NR Band n25	Open	I	40	16.23	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.047	29.5	
1882.5	376500	NR Band n25	Close	I	40	16.23	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.458	19.6	
1882.5	376500	NR Band n25	Close	I	40	16.23	Right	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.883	16.8	
1882.5	376500	NR Band n25	Close	I	40	16.23	Top	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.004	40.2	
1882.5	376500	NR Band n25	Open	I	40	16.23	Bottom	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.048	29.4	
831.5	166300	NR Band n26	Open	A	20	23.14	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.408	27.0	25.8
831.5	166300	NR Band n26	Open	A	20	23.14	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.278	28.7	
831.5	166300	NR Band n26	Open	A	20	23.14	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.161	31.1	
831.5	166300	NR Band n26	Open	A	20	23.14	Right	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.221	29.7	
831.5	166300	NR Band n26	Open	A	20	23.14	Bottom	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.273	28.8	
831.5	166300	NR Band n26	Close	A	20	23.14	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.542	25.8	
831.5	166300	NR Band n26	Close	A	20	23.14	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.084	33.9	
831.5	166300	NR Band n26	Close	A	20	23.14	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.151	31.4	
831.5	166300	NR Band n26	Close	A	20	23.14	Right	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.116	32.5	
831.5	166300	NR Band n26	Close	A	20	23.14	Bottom	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.230	29.5	

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(1g)	Plimit	Minimum Plimit
MHz	Ch.															
					MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
2 310	462000	NR Band n30	Open	B	10	18.33	Rear	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.370	22.6	19.7
2 310	462000	NR Band n30	Open	B	10	18.33	Front	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.089	28.8	
2 310	462000	NR Band n30	Open	B	10	18.33	Left	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.351	22.9	
2 310	462000	NR Band n30	Open	B	10	18.33	Bottom	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.731	19.7	
2 310	462000	NR Band n30	Close	B	10	18.33	Rear	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.265	24.1	
2 310	462000	NR Band n30	Close	B	10	18.33	Front	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.036	32.8	
2 310	462000	NR Band n30	Close	B	10	18.33	Left	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.096	28.5	
2 310	462000	NR Band n30	Close	B	10	18.33	Bottom	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.514	21.2	
2 310	462000	NR Band n30	Open	I	10	15.59	Rear	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.387	19.7	16.6
2 310	462000	NR Band n30	Open	I	10	15.59	Front	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.141	24.1	
2 310	462000	NR Band n30	Open	I	10	15.59	Right	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.789	16.6	
2 310	462000	NR Band n30	Open	I	10	15.59	Top	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.001	45.6	
2 310	462000	NR Band n30	Close	I	10	15.59	Rear	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.045	29.1	
2 310	462000	NR Band n30	Close	I	10	15.59	Front	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.404	19.5	
2 310	462000	NR Band n30	Close	I	10	15.59	Right	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.510	18.5	
2 310	462000	NR Band n30	Close	I	10	15.59	Top	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.014	34.1	
2 310	462000	NR Band n30	Open	I	10	15.59	Bottom	DFT-s-OFDM QPSK	0	5	1	26	1:1	0.042	29.4	
2 595	519000	NR Band n38	Open	B	40	19.75	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.552	22.3	22.3
2 595	519000	NR Band n38	Open	B	40	19.75	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.356	24.2	
2 595	519000	NR Band n38	Open	B	40	19.75	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.495	22.8	
2 595	519000	NR Band n38	Open	B	40	19.75	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.548	22.4	
2 595	519000	NR Band n38	Close	B	40	19.75	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.425	23.5	
2 595	519000	NR Band n38	Close	B	40	19.75	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.082	30.6	
2 595	519000	NR Band n38	Close	B	40	19.75	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.348	24.3	
2 595	519000	NR Band n38	Close	B	40	19.75	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.359	24.2	
2 592.99	518598	NR Band n41	Open	I	100	18.17	Rear	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.268	23.9	21.2
2 592.99	518598	NR Band n41	Open	I	100	18.17	Front	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.197	25.2	
2 592.99	518598	NR Band n41	Open	I	100	18.17	Right	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.502	21.2	
2 592.99	518598	NR Band n41	Open	I	100	18.17	Top	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.038	32.4	
2 592.99	518598	NR Band n41	Close	I	100	18.17	Rear	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.070	29.7	
2 592.99	518598	NR Band n41	Close	I	100	18.17	Front	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.382	22.3	
2 592.99	518598	NR Band n41	Close	I	100	18.17	Left	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.412	22.0	
2 592.99	518598	NR Band n41	Close	I	100	18.17	Bottom	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.015	36.4	
2 592.99	518598	NR Band n41	Close	I	100	18.17	Rear	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.049	31.3	
2 592.99	518598	NR n41 SRS2	Open	B	100	15.31	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.090	25.8	21.7
2 592.99	518598	NR n41 SRS2	Open	B	100	15.31	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.091	25.7	
2 592.99	518598	NR n41 SRS2	Open	B	100	14.58	Left	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.157	22.6	
2 592.99	518598	NR n41 SRS2	Open	B	100	14.58	Bottom	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.192	21.7	
2 592.99	518598	NR n41 SRS2	Close	B	100	15.31	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.142	23.8	
2 592.99	518598	NR n41 SRS2	Close	B	100	15.31	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.018	32.8	
2 592.99	518598	NR n41 SRS2	Close	B	100	14.58	Left	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.076	25.8	
2 592.99	518598	NR n41 SRS2	Close	B	100	14.58	Bottom	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.110	24.2	

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	Minimum Plimit
MHz	Ch.															
					MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
2 592.99	518598	NR n41 SRS3	Open	F	100	16.43	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.202	23.4	20.4
2 592.99	518598	NR n41 SRS3	Open	F	100	16.43	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.165	24.3	
2 592.99	518598	NR n41 SRS3	Open	F	100	15.68	Left	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.538	18.4	
2 592.99	518598	NR n41 SRS3	Open	F	100	15.68	Top	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.161	23.6	
2 592.99	518598	NR n41 SRS3	Close	F	100	16.43	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.048	29.6	
2 592.99	518598	NR n41 SRS3	Close	F	100	16.43	Front	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.223	22.9	
2 592.99	518598	NR n41 SRS3	Close	F	100	15.68	Left	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.335	20.4	
2 592.99	518598	NR n41 SRS3	Close	F	100	15.68	Bottom	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.180	23.1	
2 592.99	518598	NR n41 SRS3	Close	F	100	15.68	Top	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.017	33.4	
2 592.99	518598	NR n41 SRS4	Open	C	100	15.44	Rear	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.077	26.6	18.4
2 592.99	518598	NR n41 SRS4	Open	C	100	15.44	Front	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.093	25.8	
2 592.99	518598	NR n41 SRS4	Open	C	100	14.75	Left	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.170	22.4	
2 592.99	518598	NR n41 SRS4	Open	C	100	14.75	Bottom	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.011	34.3	
2 592.99	518598	NR n41 SRS4	Close	C	100	15.44	Rear	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.183	22.8	
2 592.99	518598	NR n41 SRS4	Close	C	100	15.44	Front	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.409	19.3	
2 592.99	518598	NR n41 SRS4	Close	C	100	14.75	Left	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.173	22.4	
2 592.99	518598	NR n41 SRS4	Close	C	100	14.75	Top	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.118	24.0	
2 592.99	518598	NR n41 SRS4	Close	C	100	14.75	Bottom	DFT-s-OFDM QPSK	5	5	1	137	1:1	0.011	34.3	18.6
3 624.99	641666	NR Band n48	Open	F	40	15.49	Rear	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.455	18.9	
3 624.99	641666	NR Band n48	Open	F	40	15.49	Front	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.241	21.7	
3 624.99	641666	NR Band n48	Open	F	40	15.49	Left	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.492	18.6	
3 624.99	641666	NR Band n48	Open	F	40	15.49	Top	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.232	21.8	
3 624.99	641666	NR Band n48	Close	F	40	15.49	Rear	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.015	33.7	
3 624.99	641666	NR Band n48	Close	F	40	15.49	Front	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.218	22.1	
3 624.99	641666	NR Band n48	Close	F	40	15.49	Left	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.465	18.8	
3 624.99	641666	NR Band n48	Close	F	40	15.49	Bottom	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.163	35.1	
3 624.99	641666	NR Band n48	Close	F	40	15.49	Top	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.011	23.4	
3 570	638000	NR n48 SRS2	Open	I	40	15.93	Rear	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.245	22.0	18.0
3 570	638000	NR n48 SRS2	Open	I	40	15.93	Front	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.194	23.1	
3 570	638000	NR n48 SRS2	Open	I	40	15.93	Right	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.537	18.6	
3 570	638000	NR n48 SRS2	Open	I	40	15.93	Top	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.065	27.8	
3 570	638000	NR n48 SRS2	Close	I	40	15.93	Rear	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.011	35.5	
3 570	638000	NR n48 SRS2	Close	I	40	15.93	Front	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.217	22.6	
3 570	638000	NR n48 SRS2	Close	I	40	15.93	Right	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.615	18.0	
3 570	638000	NR n48 SRS2	Close	I	40	15.93	Top	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.029	31.3	
3 570	638000	NR n48 SRS2	Close	I	40	15.93	Bottom	DFT-s-OFDM QPSK	5	5	1	53	1:1	0.031	31.0	

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	Minimum Plimit
MHz	Ch.															
					MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
3 570	638000	NR n48 SRS3	Open	E	40	15.55	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.140	24.1	22.0
3 570	638000	NR n48 SRS3	Open	E	40	15.55	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.168	23.3	
3 570	638000	NR n48 SRS3	Open	E	40	15.55	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.164	23.4	
3 570	638000	NR n48 SRS3	Open	E	40	15.55	Top	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.024	31.7	
3 570	638000	NR n48 SRS3	Close	E	40	15.55	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.029	30.9	
3 570	638000	NR n48 SRS3	Close	E	40	15.55	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.173	23.2	
3 570	638000	NR n48 SRS3	Close	E	40	15.55	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.226	22.0	
3 570	638000	NR n48 SRS3	Close	E	40	15.55	Top	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.035	30.1	
3 570	638000	NR n48 SRS3	Close	E	40	15.55	Bottom	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.000	-	
3 570	638000	NR n48 SRS4	Open	C	40	15.58	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.169	23.3	21.4
3 570	638000	NR n48 SRS4	Open	C	40	15.58	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.174	23.2	
3 570	638000	NR n48 SRS4	Open	C	40	15.58	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.260	21.4	
3 570	638000	NR n48 SRS4	Open	C	40	15.58	Bottom	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.023	32.0	
3 570	638000	NR n48 SRS4	Close	C	40	15.58	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.033	30.4	
3 570	638000	NR n48 SRS4	Close	C	40	15.58	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.001	45.6	
3 570	638000	NR n48 SRS4	Close	C	40	15.58	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.195	22.7	
3 570	638000	NR n48 SRS4	Close	C	40	15.58	Top	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.016	33.5	
3 570	638000	NR n48 SRS4	Close	C	40	15.58	Bottom	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.015	33.8	
1 745	349000	NR Band n66	Open	A	40	17.85	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.411	21.7	18.0
1 745	349000	NR Band n66	Open	A	40	17.85	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.452	21.3	
1 745	349000	NR Band n66	Open	A	40	17.85	Left	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.127	23.8	
1 745	349000	NR Band n66	Open	A	40	17.85	Right	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.036	32.3	
1 745	349000	NR Band n66	Open	A	40	17.85	Bottom	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.963	18.0	
1 745	349000	NR Band n66	Close	A	40	17.85	Rear	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.372	22.1	
1 745	349000	NR Band n66	Close	A	40	17.85	Front	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.136	26.5	
1 745	349000	NR Band n66	Close	A	40	17.85	Left	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.076	29.0	
1 745	349000	NR Band n66	Close	A	40	17.85	Right	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.013	36.7	
1 745	349000	NR Band n66	Close	A	40	17.85	Bottom	DFT-s-OFDM QPSK	0	5	1	108	1:1	0.736	19.2	
1 745	349000	NR Band n66	Open	I	40	16.40	Rear	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.463	19.7	17.6
1 745	349000	NR Band n66	Open	I	40	16.40	Front	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.243	22.5	
1 745	349000	NR Band n66	Open	I	40	16.40	Right	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.751	17.6	
1 745	349000	NR Band n66	Open	I	40	16.40	Top	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.027	32.1	
1 745	349000	NR Band n66	Close	I	40	16.40	Rear	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.032	31.3	
1 745	349000	NR Band n66	Close	I	40	16.40	Front	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.282	21.9	
1 745	349000	NR Band n66	Close	I	40	16.40	Right	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.572	18.8	
1 745	349000	NR Band n66	Close	I	40	16.40	Top	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.001	46.4	
1 745	349000	NR Band n66	Close	I	40	16.40	Bottom	DFT-s-OFDM QPSK	0	5	1	214	1:1	0.022	33.0	

MEASUREMENT RESULTS																
Frequency		Mode	Form Factor	Ant. No.	Band width	Frame Averaged Conducted Power	Test Position		MPR	Spacing (mm)	RB Size	RB offset	Duty Cycle	Meas. SAR(1g)	Plimit	Minimum Plimit
MHz	Ch.				MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
1 702.5	340500	NR Band n70	Open	A	15	17.92	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.676	19.6	17.9
1 702.5	340500	NR Band n70	Open	A	15	17.92	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.529	20.7	
1 702.5	340500	NR Band n70	Open	A	15	17.92	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.070	29.5	
1 702.5	340500	NR Band n70	Open	A	15	17.92	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.045	31.4	
1 702.5	340500	NR Band n70	Open	A	15	17.92	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.999	17.9	
1 702.5	340500	NR Band n70	Close	A	15	17.92	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.364	22.3	
1 702.5	340500	NR Band n70	Close	A	15	17.92	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.073	29.3	
1 702.5	340500	NR Band n70	Close	A	15	17.92	Left	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.046	31.3	
1 702.5	340500	NR Band n70	Close	A	15	17.92	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.011	37.5	
1 702.5	340500	NR Band n70	Close	A	15	17.92	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.585	20.2	
1 702.5	340500	NR Band n70	Open	I	15	16.22	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.587	18.5	16.9
1 702.5	340500	NR Band n70	Open	I	15	16.22	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.484	19.4	
1 702.5	340500	NR Band n70	Open	I	15	16.22	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.859	16.9	
1 702.5	340500	NR Band n70	Open	I	15	16.22	Top	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.023	32.6	
1 702.5	340500	NR Band n70	Close	I	15	16.22	Rear	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.019	33.4	
1 702.5	340500	NR Band n70	Close	I	15	16.22	Front	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.414	20.0	
1 702.5	340500	NR Band n70	Close	I	15	16.22	Right	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.813	17.1	
1 702.5	340500	NR Band n70	Close	I	15	16.22	Top	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.001	46.2	27.4
1 702.5	340500	NR Band n70	Close	I	15	16.22	Bottom	DFT-s-OFDM QPSK	0	5	1	1	1:1	0.015	34.5	
680.5	136100	NR Band n71	Open	A	20	25.25	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.531	28.0	
680.5	136100	NR Band n71	Open	A	20	25.25	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.256	31.2	
680.5	136100	NR Band n71	Open	A	20	25.25	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.306	30.4	
680.5	136100	NR Band n71	Open	A	20	25.25	Right	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.257	31.2	
680.5	136100	NR Band n71	Open	A	20	25.25	Bottom	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.167	33.0	
680.5	136100	NR Band n71	Close	A	20	25.25	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.611	27.4	
680.5	136100	NR Band n71	Close	A	20	25.25	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.092	35.6	
680.5	136100	NR Band n71	Close	A	20	25.25	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.127	34.2	
680.5	136100	NR Band n71	Close	A	20	25.25	Right	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.047	38.5	
680.5	136100	NR Band n71	Close	A	20	25.25	Bottom	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.212	32.0	17.6
3 930	662000	NR Band n77	Open	F	100	13.90	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.243	20.0	
3 930	662000	NR Band n77	Open	F	100	13.90	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.190	21.1	
3 930	662000	NR Band n77	Open	F	100	13.90	Left	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.393	18.0	
3 930	662000	NR Band n77	Open	F	100	13.90	Top	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.128	22.8	
3 930	662000	NR Band n77	Close	F	100	13.90	Rear	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.025	29.9	
3 930	662000	NR Band n77	Close	F	100	13.90	Front	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.308	19.0	
3 930	662000	NR Band n77	Close	F	100	13.90	Left	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.428	17.6	
3 930	662000	NR Band n77	Close	F	100	13.90	Bottom	DFT-s-OFDM QPSK	0	5	1	137	1:1	0.083	24.7	18.4
3 500.01	633334	NR Band n77 DoD	Open	F	100	13.94	Left	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.358	18.4	
3 500.01	633334	NR Band n77 DoD	Close	F	100	13.94	Left	DFT-s-OFDM QPSK	0	5	1	271	1:1	0.275	19.5	

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(1g)	Plimit	Minimum Plimit
MHz	Ch.				MHz	(dBm)			(dB)					(W/kg)	(dBm)	(dBm)
3 750	650000	NR n77 SRS2	Open	I	100	13.90	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.170	21.6	18.3
3 750	650000	NR n77 SRS2	Open	I	100	13.90	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.130	22.8	
3 750	650000	NR n77 SRS2	Open	I	100	13.90	Right	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.361	18.3	
3 750	650000	NR n77 SRS2	Open	I	100	13.90	Top	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.020	30.9	
3 750	650000	NR n77 SRS2	Close	I	100	13.90	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.025	29.9	
3 750	650000	NR n77 SRS2	Close	I	100	13.90	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.190	21.1	
3 750	650000	NR n77 SRS2	Close	I	100	13.90	Right	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.349	18.5	
3 750	650000	NR n77 SRS2	Close	I	100	13.90	Top	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.030	29.1	
3 750	650000	NR n77 SRS2	Close	I	100	13.90	Bottom	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.020	30.9	
3 500.01	633334	NR n77 DoD SRS2	Open	I	100	13.89	Right	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.525	16.7	16.7
3 500.01	633334	NR n77 DoD SRS2	Close	I	100	13.89	Right	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.373	18.2	
3 750	650000	NR n77 SRS3	Open	E	100	13.60	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.046	27.0	22.0
3 750	650000	NR n77 SRS3	Open	E	100	13.60	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.079	24.6	
3 750	650000	NR n77 SRS3	Open	E	100	13.60	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.097	23.7	
3 750	650000	NR n77 SRS3	Open	E	100	13.60	Top	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.025	29.6	
3 750	650000	NR n77 SRS3	Close	E	100	13.60	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.133	22.4	
3 750	650000	NR n77 SRS3	Close	E	100	13.60	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.064	25.0	
3 750	650000	NR n77 SRS3	Close	E	100	13.60	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.145	22.0	
3 750	650000	NR n77 SRS3	Close	E	100	13.60	Top	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.022	30.2	
3 750	650000	NR n77 SRS3	Close	E	100	13.60	Bottom	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.058	26.0	
3 500.01	633334	NR n77 DoD SRS3	Open	E	100	13.49	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.096	23.7	20.9
3 500.01	633334	NR n77 DoD SRS3	Close	E	100	13.49	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.180	20.9	
3 750	650000	NR n77 SRS4	Open	C	100	13.42	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.091	23.8	19.6
3 750	650000	NR n77 SRS4	Open	C	100	13.42	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.117	22.7	
3 750	650000	NR n77 SRS4	Open	C	100	13.42	Right	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.240	19.6	
3 750	650000	NR n77 SRS4	Open	C	100	13.42	Top	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.014	32.0	
3 750	650000	NR n77 SRS4	Close	C	100	13.42	Rear	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.073	24.8	
3 750	650000	NR n77 SRS4	Close	C	100	13.42	Front	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.023	29.8	
3 750	650000	NR n77 SRS4	Close	C	100	13.42	Right	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.210	20.2	
3 750	650000	NR n77 SRS4	Close	C	100	13.42	Top	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.004	37.4	
3 750	650000	NR n77 SRS4	Close	C	100	13.42	Bottom	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.002	43.3	
3 500.01	633334	NR n77 DoD SRS4	Open	C	100	13.12	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.285	18.6	18.4
3 500.01	633334	NR n77 DoD SRS4	Close	C	100	13.12	Left	DFT-s-OFDM QPSK	0	5	1	53	1:1	0.236	19.4	

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

MEASUREMENT RESULTS														
Frequency		Mode/ Band	Band width h	Form Factor	Ant. No.	Data Rate	Frame Averaged Conducted Power	Test Position	Ant. Config.	Duty Cycle	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
MHz	Ch.					(Mbps)	(dBm)				(W/kg)	(Duty)	(dBm)	(dBm)
2 437	6	802.11b	20	Open	F	1	15.82	Rear	WIFI1	98.8	0.222	1.012	21.4	19.1
2 437	6	802.11b	20	Open	F	1	15.82	Front	WIFI1	98.8	0.114	1.012	24.3	
2 437	6	802.11b	20	Open	F	1	15.82	Left	WIFI1	98.8	0.265	1.012	20.6	
2 437	6	802.11b	20	Open	F	1	15.82	Top	WIFI1	98.8	0.096	1.012	25.0	
2 437	6	802.11b	20	Close	F	1	15.82	Rear	WIFI1	98.8	0.045	1.012	28.3	
2 437	6	802.11b	20	Close	F	1	15.82	Front	WIFI1	98.8	0.264	1.012	20.6	
2 437	6	802.11b	20	Close	F	1	15.82	Left	WIFI1	98.8	0.377	1.012	19.1	
2 437	6	802.11b	20	Close	F	1	15.82	Bottom	WIFI1	98.8	0.076	1.012	26.0	
2 437	6	802.11b	20	Open	H	1	15.67	Rear	WIFI2	98.8	0.187	1.012	22.0	22.0
2 437	6	802.11b	20	Open	H	1	15.67	Front	WIFI2	98.8	0.139	1.012	23.3	
2 437	6	802.11b	20	Open	H	1	15.67	Right	WIFI2	98.8	0.016	1.012	32.7	
2 437	6	802.11b	20	Open	H	1	15.67	Top	WIFI2	98.8	0.103	1.012	24.6	
2 437	6	802.11b	20	Close	H	1	15.67	Rear	WIFI2	98.8	0.012	1.012	33.9	
2 437	6	802.11b	20	Close	H	1	15.67	Front	WIFI2	98.8	0.101	1.012	24.7	
2 437	6	802.11b	20	Close	H	1	15.67	Right	WIFI2	98.8	0.026	1.012	30.6	
2 437	6	802.11b	20	Close	H	1	15.67	Bottom	WIFI2	98.8	0.086	1.012	25.4	
2 437	6	802.11b	20	Open	MIMO	1	15.67	Rear	MIMO	98.8	0.388	1.012	18.8	18.4
2 437	6	802.11b	20	Open	MIMO	1	15.67	Front	MIMO	98.8	0.200	1.012	21.7	
2 437	6	802.11b	20	Open	MIMO	1	15.67	Left	MIMO	98.8	0.398	1.012	18.7	
2 437	6	802.11b	20	Open	MIMO	1	15.67	Right	MIMO	98.8	0.0119	1.012	33.9	
2 437	6	802.11b	20	Close	MIMO	1	15.67	Top	MIMO	98.8	0.247	1.012	20.8	
2 437	6	802.11b	20	Close	MIMO	1	15.67	Rear	MIMO	98.8	0.084	1.012	25.5	
2 437	6	802.11b	20	Close	MIMO	1	15.67	Front	MIMO	98.8	0.273	1.012	20.3	
2 437	6	802.11b	20	Close	MIMO	1	15.67	Left	MIMO	98.8	0.431	1.012	18.4	
2 437	6	802.11b	20	Open	MIMO	1	15.67	Right	MIMO	98.8	0.00773	1.012	35.7	16.9
2 437	6	802.11b	20	Open	MIMO	1	15.67	Bottom	MIMO	98.8	0.145	1.012	23.1	
5 290	58	802.11ac	80	Open	F	MCS0	12.32	Rear	WIFI1	85.5	0.184	1.170	18.7	
5 290	58	802.11ac	80	Open	F	MCS0	12.32	Front	WIFI1	85.5	0.091	1.170	21.8	
5 690	138	802.11ac	80	Open	F	MCS0	12.93	Left	WIFI1	85.5	0.191	1.170	19.2	
5 690	138	802.11ac	80	Open	F	MCS0	12.93	Top	WIFI1	85.5	0.079	1.170	23.0	
5 855	171	802.11ac	80	Close	F	MCS0	12.95	Rear	WIFI1	85.5	0.018	1.170	29.4	
5 690	138	802.11ac	80	Close	F	MCS0	12.93	Front	WIFI1	85.5	0.324	1.170	16.9	
5 690	138	802.11ac	80	Close	F	MCS0	12.93	Left	WIFI1	85.5	0.304	1.170	17.1	18.4
5 690	138	802.11ac	80	Close	F	MCS0	12.93	Bottom	WIFI1	85.5	0.074	1.170	23.3	
5 775	155	802.11ac	80	Open	H	MCS0	12.81	Rear	WIFI2	85.5	0.167	1.170	19.6	
5 690	138	802.11ac	80	Open	H	MCS0	12.63	Front	WIFI2	85.5	0.046	1.170	25.0	
5 775	155	802.11ac	80	Open	H	MCS0	12.81	Right	WIFI2	85.5	0.100	1.170	21.8	
5 775	155	802.11ac	80	Open	H	MCS0	12.81	Top	WIFI2	85.5	0.092	1.170	22.2	
5 855	171	802.11ac	80	Close	H	MCS0	12.76	Rear	WIFI2	85.5	0.013	1.170	30.7	
5 855	171	802.11ac	80	Close	H	MCS0	12.76	Front	WIFI2	85.5	0.217	1.170	18.4	
5 290	58	802.11ac	80	Close	H	MCS0	12.13	Right	WIFI2	85.5	0.074	1.170	22.5	18.4
5 855	171	802.11ac	80	Close	H	MCS0	12.76	Bottom	WIFI2	85.5	0.076	1.170	23.0	

MEASUREMENT RESULTS														
Frequency		Mode/ Band	Band width h	Form Factor	Ant. No.	Data Rate	Frame Averaged Conducted Power	Test Position	Ant. Config.	Duty Cycle	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
Mhz	Ch.		(Mhz)			(Mbps)	(dBm)				(W/kg)	(Duty)	(dBm)	(dBm)
5 690	138	802.11ac	80	Open	F+H	MCS0	12.63	Rear	MIMO	85.5	0.195	1.170	18.8	17.2
5 855	171	802.11ac	80	Open	F+H	MCS0	12.76	Front	MIMO	85.5	0.195	1.170	18.9	
5 690	138	802.11ac	80	Open	F+H	MCS0	12.63	Left	MIMO	85.5	0.204	1.170	18.6	
5 690	138	802.11ac	80	Open	F+H	MCS0	12.63	Right	MIMO	85.5	0.082	1.170	23.3	
5 290	58	802.11ac	80	Open	F+H	MCS0	12.13	Top	MIMO	85.5	0.096	1.170	21.3	
5 775	155	802.11ac	80	Close	F+H	MCS0	12.81	Rear	MIMO	85.5	0.021	1.170	28.6	
5 775	155	802.11ac	80	Close	F+H	MCS0	12.81	Front	MIMO	85.5	0.222	1.170	18.4	
5 775	155	802.11ac	80	Close	F+H	MCS0	12.81	Left	MIMO	85.5	0.292	1.170	17.2	
5 690	138	802.11ac	80	Close	F+H	MCS0	12.63	Right	MIMO	85.5	0.125	1.170	20.7	
5 855	171	802.11ac	80	Close	F+H	MCS0	12.76	Bottom	MIMO	85.5	0.111	1.170	21.3	
6 805	171	802.11ax	40	Open	F	MCS0	10.45	Rear	WIFI1	99.0	0.111	1.007	19.0	17.3
6 805	171	802.11ax	40	Open	F	MCS0	10.45	Front	WIFI1	99.0	0.079	1.007	20.5	
6 805	171	802.11ax	40	Open	F	MCS0	10.45	Left	WIFI1	99.0	0.083	1.007	20.3	
6 805	171	802.11ax	40	Open	F	MCS0	10.45	Top	WIFI1	99.0	0.030	1.007	24.7	
6 805	171	802.11ax	40	Close	F	MCS0	10.45	Back	WIFI1	99.0	0.009	1.007	29.9	
6 805	171	802.11ax	40	Close	F	MCS0	10.45	Front	WIFI1	99.0	0.165	1.007	17.3	
6 805	171	802.11ax	40	Close	F	MCS0	10.45	Left	WIFI1	99.0	0.105	1.007	19.3	
6 805	171	802.11ax	40	Close	F	MCS0	10.45	Bottom	WIFI1	99.0	0.077	1.007	20.6	
7 085	227	802.11ax	40	Open	H	MCS0	10.35	Rear	WIFI2	99.0	0.099	1.007	20.4	18.7
7 085	227	802.11ax	40	Open	H	MCS0	10.35	Front	WIFI2	99.0	0.045	1.007	23.8	
7 085	227	802.11ax	40	Open	H	MCS0	10.35	Right	WIFI2	99.0	0.114	1.007	19.8	
7 085	227	802.11ax	40	Open	H	MCS0	10.35	Top	WIFI2	99.0	0.010	1.007	30.3	
7 085	227	802.11ax	40	Close	H	MCS0	10.35	Back	WIFI2	99.0	0.012	1.007	29.6	
7 085	227	802.11ax	40	Close	H	MCS0	10.35	Front	WIFI2	99.0	0.147	1.007	18.7	
7 085	227	802.11ax	40	Close	H	MCS0	10.35	Right	WIFI2	99.0	0.025	1.007	26.4	
7 085	227	802.11ax	40	Close	H	MCS0	10.35	Bottom	WIFI2	99.0	0.015	1.007	28.6	
7 085	227	802.11ax	40	Open	F+H	MCS0	10.11	Rear	MIMO	99.0	0.126	1.007	18.1	16.5
7 085	227	802.11ax	40	Open	F+H	MCS0	10.11	Front	MIMO	99.0	0.074	1.007	20.4	
7 085	227	802.11ax	40	Open	F+H	MCS0	10.11	Left	MIMO	99.0	0.093	1.007	19.5	
7 085	227	802.11ax	40	Open	F+H	MCS0	10.11	Right	MIMO	99.0	0.057	1.007	21.6	
7 085	227	802.11ax	40	Open	F+H	MCS0	10.11	Top	MIMO	99.0	0.045	1.007	22.6	
7 085	227	802.11ax	40	Close	F+H	MCS0	10.11	Rear	MIMO	99.0	0.036	1.007	23.6	
7 085	227	802.11ax	40	Close	F+H	MCS0	10.11	Front	MIMO	99.0	0.184	1.007	16.5	
7 085	227	802.11ax	40	Close	F+H	MCS0	10.11	Left	MIMO	99.0	0.049	1.007	22.2	
7 085	227	802.11ax	40	Close	F+H	MCS0	10.11	Right	MIMO	99.0	0.070	1.007	20.7	
7 085	227	802.11ax	40	Close	F+H	MCS0	10.11	Bottom	MIMO	99.0	0.017	1.007	26.8	

MEASUREMENT RESULTS											
Frequency		Mode/ Band	Form Factor	Ant. No.	Frame Averaged Conducted Power	Test Position	Ant. Config.	Meas. SAR(1g)	Scaling Factor	Plimit	Minimum Plimit
MHz	Ch.				(dBm)			(W/kg)	(Duty)	(dBm)	(dBm)
2 441	39	DH5	Open	F	19.39	Rear	Ant 1	0.285	1.013	23.9	21.3
2 441	39	DH5	Open	F	19.39	Front	Ant 1	0.0042	1.013	42.4	
2 441	39	DH5	Open	F	19.39	Left	Ant 1	0.412	1.013	22.3	
2 441	39	DH5	Open	F	19.39	Top	Ant 1	0.078	1.013	29.5	
2 441	39	DH5	Close	F	19.39	Rear	Ant 1	0.039	1.013	32.5	
2 441	39	DH5	Close	F	19.39	Front	Ant 1	0.383	1.013	22.6	
2 441	39	DH5	Close	F	19.39	Left	Ant 1	0.515	1.013	21.3	
2 441	39	DH5	Close	F	19.39	Bottom	Ant 1	0.098	1.013	28.5	
2 441	39	DH5	Open	H	18.89	Rear	Ant 2	0.291	1.013	23.3	21.6
2 441	39	DH5	Open	H	18.89	Front	Ant 2	0.188	1.013	25.2	
2 441	39	DH5	Open	H	18.89	Right	Ant 2	0.032	1.013	32.9	
2 441	39	DH5	Open	H	18.89	Top	Ant 2	0.235	1.013	24.2	
2 441	39	DH5	Close	H	18.89	Rear	Ant 2	0.071	1.013	29.4	
2 441	39	DH5	Close	H	18.89	Front	Ant 2	0.427	1.013	21.6	
2 441	39	DH5	Close	H	18.89	Right	Ant 2	0.059	1.013	30.2	
2 441	39	DH5	Close	H	18.89	Bottom	Ant 2	0.220	1.013	24.5	
2 441	39	DH5	Open	MIMO	13.27	Rear	MIMO	0.280	1.013	17.8	17.4
2 441	39	DH5	Open	MIMO	13.27	Front	MIMO	0.179	1.013	19.8	
2 441	39	DH5	Open	MIMO	13.27	Left	MIMO	0.306	1.013	17.4	
2 441	39	DH5	Open	MIMO	13.27	Right	MIMO	0.011	1.013	31.9	
2 441	39	DH5	Open	MIMO	13.27	Top	MIMO	0.132	1.013	21.1	
2 441	39	DH5	Close	MIMO	13.27	Rear	MIMO	0.030	1.013	27.5	
2 441	39	DH5	Close	MIMO	13.27	Front	MIMO	0.133	1.013	21.1	
2 441	39	DH5	Close	MIMO	13.27	Left	MIMO	0.296	1.013	17.6	
2 441	39	DH5	Close	MIMO	13.27	Right	MIMO	0.0286	1.013	27.7	
2 441	39	DH5	Close	MIMO	13.27	Bottom	MIMO	0.091	1.013	22.7	