

**FCC 47 CFR § 2.1093
IEEE Std 1528-2013**

**SAR EVALUATION REPORT
(Part 0 : SAR CHARACTERIZATION)**

FOR

GSM/WCDMA/LTE/NR/NTN Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax/be, NFC, UWB and WPT

MODEL NUMBER: SM-F971U, SM-F971U1

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TL-637

Revision History			
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1. Attestation of SAR Characterization

Applicant Name	SAMSUNG ELECTRONICS CO.,LTD.
FCC ID	A3LSMF971U
Model Number	SM-F971U, SM-F971U1
Applicable Standards	FCC 47 CFR Sec 2.1093, IEEE Std 1528: 2013 Published RF exposure KDB procedures
Report type	Part.0 : SAR Characterization
Date Tested	2026-02-23 to 2026-06-08
Part 0 Purpose	Part 0 is the procedures for determining P_{Limit} for WWAN/WLAN/BT/NTN to satisfy <i>SAR_design_target</i> in order to FCC limit's requirement.
UL Korea, Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Korea, Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report. Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Korea, Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Korea, Ltd. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by IAS, any agency of the Federal Government, or any agency of any government	
Approved & Released By:	Prepared By:
	
Justin Park Operations Leader UL Korea, Ltd. Suwon Laboratory	Jeongyeon Won Laboratory Engineer Associate UL Korea, Ltd. Suwon Laboratory

2. Introduction

This purpose of the part 0 report is to determine SAR char is derived from SAR test measurements and conducted power measurements to determine P_{Limit} for each technology/band. The P_{Limit} represents the maximum time-averaged power level for the corresponding radio/antenna configuration.

3. Facilities and Accreditation

The test sites and measurement facilities used to collect data are located at

Suwon	
SAR 1 Room	SAR 7 Room
SAR 2 Room	SAR 8 Room
SAR 3 Room	SAR 9 Room
SAR 4 Room	SAR 10 Room
SAR 5 Room	SAR 11 Room
SAR 6 Room	

UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637.

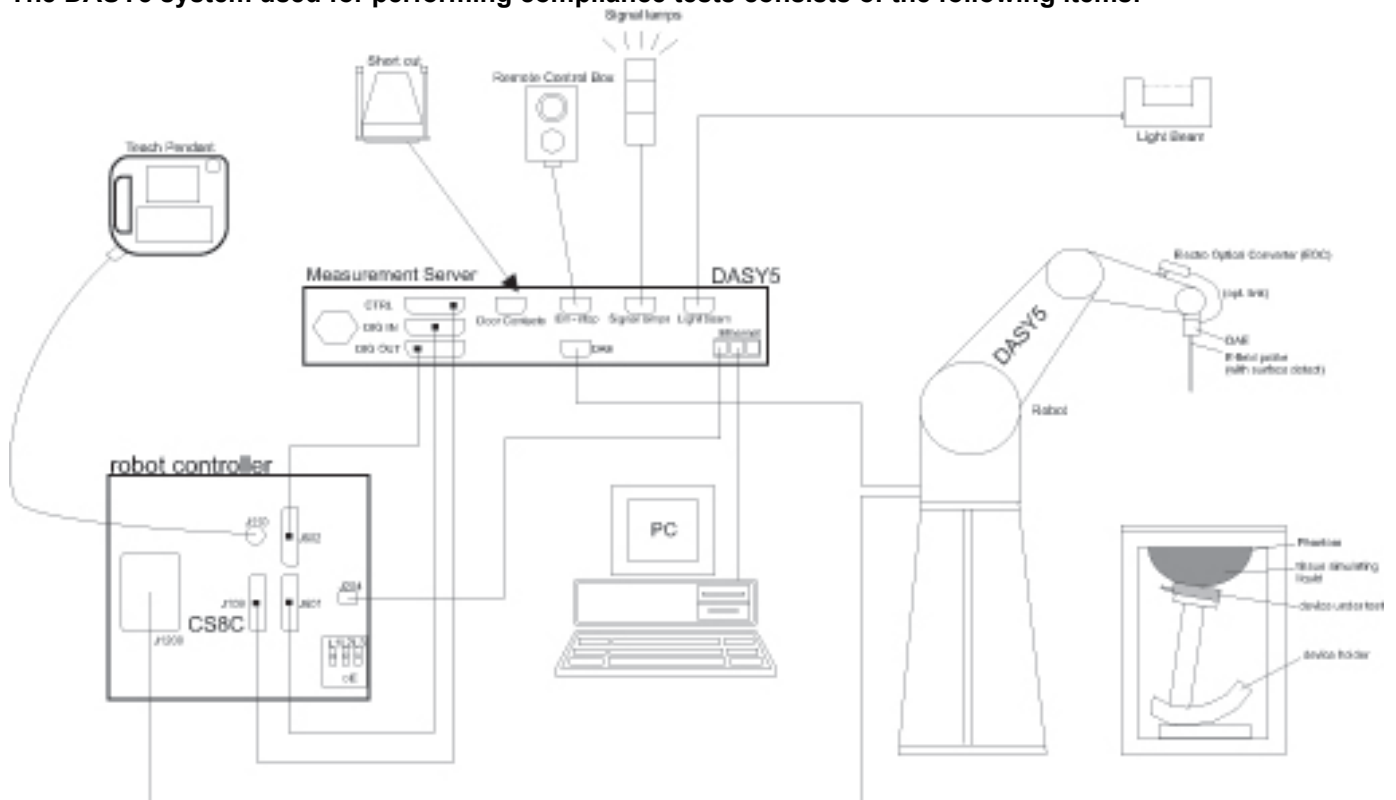
The full scope of accreditation can be viewed at

<https://www.iasonline.org/wp-content/uploads/2017/05/TL-637-cert-New.pdf>.

4. SAR Measurement System & Test Equipment

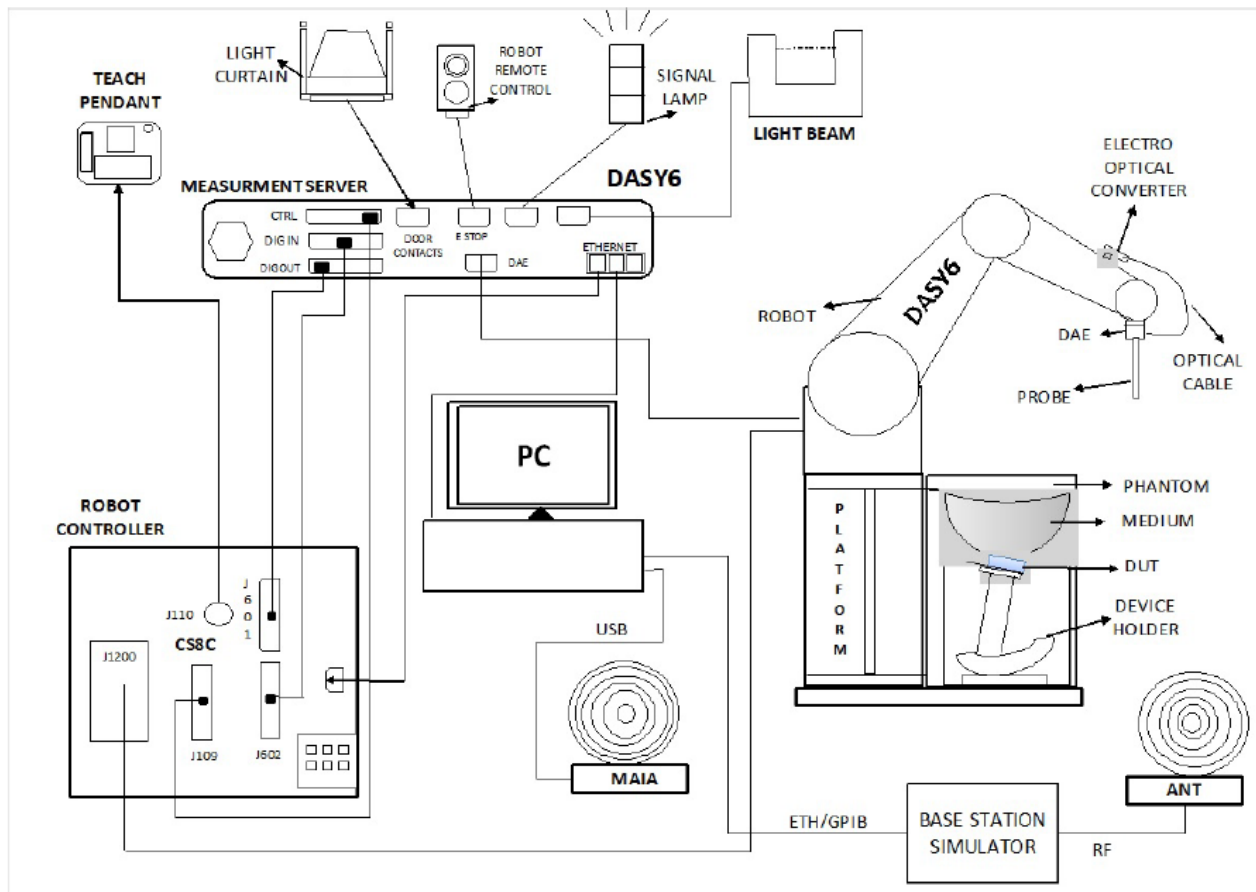
4.1. SAR Measurement System

The DASY5 system used for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win11 and the DASY5 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

The DASY6 & 8 system used for performing compliance tests consists of the following items:



- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win11 and the DASY6 or 8 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

4.2. SAR Scan Procedures

Step 1: Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface determines the closest measurement point to phantom surface. The minimum distance of probe sensors to surface is 2.1 mm. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

Step 2: Area Scan

The Area Scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum locations even in relatively coarse grids. When an Area Scan has measured all reachable points, it computes the field maximal found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE Standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan). If only one Zoom Scan follows the Area Scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of Zoom Scans has to be increased accordingly.

Area Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: $\Delta x_{\text{Area}}, \Delta y_{\text{Area}}$	≤ 2 GHz: ≤ 15 mm $2 - 3$ GHz: ≤ 12 mm	$3 - 4$ GHz: ≤ 12 mm $4 - 6$ GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

Step 3: Zoom Scan

Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 g and 10 g of simulated tissue. The Zoom Scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the Zoom Scan evaluates the averaged SAR for 1 g and 10 g and displays these values next to the job's label.

Zoom Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

			≤ 3 GHz	> 3 GHz
Maximum zoom scan spatial resolution: $\Delta x_{\text{Zoom}}, \Delta y_{\text{Zoom}}$			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{\text{Zoom}}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{\text{Zoom}}(1)$: between 1 st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{\text{Zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{Zoom}}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.				
* When zoom scan is required and the <u>reported</u> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

Step 4: Power drift measurement

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the last Power Reference Measurement. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1.

4.3. Test equipment

Please refer to RFx Part.1 report.

5. SAR Characterizations

5.1. Time-Averaging for SAR

This device is enabled with Qualcomm Smart Transmit algorithm to control and manage transmitting power in real time and to ensure that the time-averaged RF exposure from WWAN/WIFI/BT/NTN is compliance with FCC requirement. This part.0 report shows SAR characterization of WWAN/WLAN/BT/NTN. Characterization is achieved by determining P_{limit} for WWAN/WIFI/BT/NTN that correspond to the SAR_{design_target} after accounting for all device design related uncertainty. The SAR Characterization is denoted as SAR Char in this report.

5.2. Nomenclature for Part 0 Report

Technology	Term	Description
WWAN (2G/3G/4G/ 5G NR Sub6) and WLAN/BT/NTN	P_{limit}	Power level that corresponds to the exposure design target (SAR_{design_target}) after accounting for all device design related uncertainties
	P_{max}	Maximum tune up output power
	SAR_{design_target}	Target SAR level < FCC SAR limit after accounting for all device design related uncertainties
	SAR_{Char}	Table containing P_{limit} for all technologies and bands

5.3. 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.

SAR_{design_target}			
$SAR_{design_target} < SAR_{regulatory_limit} \times 10^{\frac{-Total\ Uncertainty}{10}}$			
1g SAR (W/kg)		10g SAR (W/kg)	
Total Uncertainty	1.0 dB	Total Uncertainty	1.0 dB
$SAR_{regulatory_limit}$	1.6 W/kg	$SAR_{regulatory_limit}$	4.0 W/kg
SAR_{design_target}	1.0 W/kg	SAR_{design_target}	2.5 W/kg

5.4. DSI and SAR Determination

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

The device state index (DSI) conditions used in below table represent different exposure scenarios.

DSI and Corresponding Exposure Scenarios

RF exposure Scenarios	DSI No.	Description	KDB guide For SAR test
Folder Opened - Head	2	1. Next to the ear exposure condition. 2. Handset's Receiver(ear piece) is active during voice or VoIP call.	KDB 648474 D04
Folder Closed - Head	3	1. Next to the ear exposure condition. 2. Handset's Receiver(ear piece) is active during voice or VoIP call.	KDB 648474 D04
Folder Opened - Body	0	1. Handsets supports Hotspot mode that Active near body. 2. Handsets are carried in body-worn accessories. 3. Hand use conditions for Handsets(Phablet).	KDB 648474 D04 KDB 941225 D06
Folder Closed - Body	1	1. Handsets supports Hotspot mode that Active near body. 2. Handsets are carried in body-worn accessories. 3. Hand use conditions for Handsets(Phablet).	KDB 648474 D04 KDB 941225 D06

5.5. SAR Char

SAR results corresponding to P_{max} for each antenna/technology/band/DSI can be found in Section.6. P_{limit} is calculated by linearly scaling with the measured SAR at the P_{max} to correspond to the SAR_design_target. P_{limit} determination for each exposure scenario corresponding to SAR_design_target are shown in table.

P_{Limit} Determination

Device State Index (DSI)	P_{limit} Determination Scenarios
DSI = 0	The worst-case SAR exposure is determined as maximum SAR normalized to the limit among; 1. Body-worn 1-g SAR at 5 mm in Folder Open condition. 2. Hotspot 1-g SAR at 10 mm in Folder Open condition. 3. Extremity 10-g SAR at 0 mm in Folder Open condition.
DSI = 1	The worst-case SAR exposure is determined as maximum SAR normalized to the limit among; 1. Body-worn 1-g SAR at 5 mm in Folder Close condition. 2. Hotspot 1-g SAR at 10 mm in Folder Close condition. 3. Extremity 10-g SAR at 0 mm in Folder Close condition.
DSI = 2/3	1. P_{limit} is calculated based on Head exposure SAR

Notes:

1. For DSI = 0/1, P_{limit} is calculated by:

All Antennas

$P_{limit} = \min\{ P_{limit} \text{ corresponding to Body-worn \& Hotspot 1g SAR evaluation, } P_{limit} \text{ corresponding to Product specific 10g SAR evaluation of each antennas} \}$

SAR Characterizations

Exposure condition			Folder Open Body-worn & Hotspot	Folder Open Product Specific 10-g	Folder Closed Body-worn & Hotspot	Folder Closed Product Specific 10-g	Folder Open Head	Folder Closed Head	P _{max} (Maximum tune-up Power) (dBm)
Spatial-average			1g	10g	1g	10g	1g	1g	
Test distance (mm)			5/10	0	5/10	0	0	0	
Configuration			Folder Open	Folder Open	Folder Closed	Folder Closed	Folder Open	Folder Closed	
DSI:			0		1		2	3	
RF Air Interface	Antenna	Antenna Group	P _{limit} corresponding to 1.0 W/kg (SAR _{design_target}) (1g) / 2.5 W/kg (SAR _{design_target}) (10g)						
GSM 850	A, A+B	AG 0	21.3		21.3		26.3	27.3	25.3
GSM 850	D	AG 1	20.3		20.3		26.1	29.4	25.1
GSM 1900	B	AG 0	16.3		18.3		16.3	26.2	22.3
WCDMA 2	F	AG 1	15.5		16.5		15.5	20.5	24.0
WCDMA 4	F	AG 1	15.5		15.5		15.5	19.0	23.5
WCDMA 5	A, A+B	AG 0	22.0		22.0		25.3	25.7	24.3
WCDMA 5	D	AG 1	21.0		21.0		29.4	27.5	24.3
LTE Band 71	A, A+B	AG 0	22.0		22.0		30.0	31.0	24.5
LTE Band 71	D	AG 1	22.0		23.0		31.6	31.3	24.0
LTE Band 12	A, A+B	AG 0	22.0		22.0		29.0	28.4	24.2
LTE Band 12	D	AG 1	22.0		23.0		29.7	31.1	24.0
LTE Band 13	A, A+B	AG 0	22.0		22.0		27.1	27.6	24.5
LTE Band 13	D	AG 1	22.0		23.0		27.3	28.7	24.0
LTE Band 14	A, A+B	AG 0	22.0		22.0		27.3	27.4	24.5
LTE Band 14	D	AG 1	22.0		23.0		27.7	29.0	24.0
LTE Band 26	A, A+B	AG 0	22.0		22.0		26.2	26.1	24.5
LTE Band 26	D	AG 1	21.0		21.0		25.7	27.7	24.0
LTE Band 5	A, A+B	AG 0	22.0		22.0		26.4	25.7	24.5
LTE Band 5	D	AG 1	21.0		21.0		26.5	28.2	24.0
LTE Band 66(4)	B	AG 0	15.0		16.0		15.0	27.1	24.0
LTE Band 66(4)	F	AG 1	15.5		15.5		19.0	20.0	24.2
LTE Band 25(2)	B	AG 0	15.5		17.0		15.5	25.6	24.0
LTE Band 25(2)	F	AG 1	15.5		16.5		19.0	21.0	24.2
LTE Band 30	B	AG 0	13.5		16.5		13.5	28.4	23.5
LTE Band 30	F	AG 1	14.0		16.5		14.0	18.0	23.5
LTE Band 7	B	AG 0	14.5		16.0		14.5	29.3	24.0
LTE Band 7	F	AG 1	14.0		16.0		14.0	17.0	24.0
LTE Band 41(38)	B	AG 0	14.5		16.0		14.5	29.0	22.0
LTE Band 41(38)	F	AG 1	14.0		16.0		14.0	15.5	22.0
LTE Band 48	E	AG 1	15.0		17.0		17.0	18.0	20.5
NTN Band 255	F	AG1	17.0		18.0		N/A	N/A	24.0
NR Band n71	A, A+B	AG 0	22.0		22.0		29.3	29.8	24.5
NR Band n71	D	AG 1	22.0		23.0		29.0	32.0	24.5
NR Band n12	A, A+B	AG 0	22.0		22.0		28.2	27.6	24.2
NR Band n12	D	AG 1	22.0		23.0		28.4	31.5	24.2
NR Band n14	A, A+B	AG 0	22.0		22.0		26.2	27.1	24.0
NR Band n14	D	AG 1	22.0		23.0		25.4	28.5	24.0
NR Band n26	A, A+B	AG 0	22.0		22.0		25.8	25.6	24.5
NR Band n26	D	AG 1	21.0		21.0		25.5	28.3	24.5
NR Band n5	A, A+B	AG 0	22.0		22.0		25.5	25.7	24.5
NR Band n5	D	AG 1	21.0		21.0		25.5	28.4	24.5
NR Band n7	B	AG 0	14.5		16.0		14.5	30.3	24.0
NR Band n7	F	AG 1	14.0		16.0		14.0	17.0	23.5
NR Band n66	B	AG 0	15.0		16.0		15.0	25.7	24.0
NR Band n66	F	AG 1	15.5		15.5		19.0	20.0	24.2
NR Band n25(2)	B	AG 0	15.5		17.0		15.5	26.4	24.0
NR Band n25(2)	F	AG 1	15.5		16.5		19.0	21.0	24.2
NR Band n30	B	AG 0	13.5		16.5		13.5	27.7	23.0
NR Band n30	F	AG 1	14.0		16.5		14.0	18.5	23.0
NR Band n70	B	AG 0	15.5		17.0		15.5	25.2	23.5
NR Band n70	F	AG 1	15.5		15.5		19.0	19.0	23.5
NR Band n48 SRS1	E	AG 1	15.0		17.0		17.0	18.0	23.8
NR Band n48 SRS2	A	AG 0	12.0		12.0		12.0	12.0	21.5
NR Band n48 SRS3	F	AG 1	12.0		12.0		12.0	12.0	22.0
NR Band n48 SRS4	C	AG 0	12.0		12.0		12.0	12.0	21.0
NR Band n41 SRS1 (PC2 SA)	F	AG 1	14.0		16.0		14.0	15.5	26.0
NR Band n41 SRS1 (PC2 SA)- RCV	F	AG 1	14.0		16.0		14.0	15.5	24.0
NR Band n41 SRS2 (PC2 SA)	B	AG 0	14.5		16.0		14.5	19.0	23.0
NR Band n41 SRS3 (PC2 SA)	E	AG 1	12.0		12.0		12.0	12.0	25.0
NR Band n41 SRS4 (PC2 SA)	C	AG 0	12.0		12.0		12.0	12.0	23.5
NR Band n41 Switching SRS1 (PC2 SA)	B	AG 0	14.5		16.0		14.5	23.0	26.0
NR Band n41 Switching SRS1 (PC2 SA)- RCV	B	AG 0	14.5		16.0		14.5	23.0	24.0
NR Band n41 Switching SRS2 (PC2 SA)	F	AG 1	14.0		16.0		14.0	15.5	23.5
NR Band n41 Switching SRS3 (PC2 SA)	C	AG 0	12.0		12.0		12.0	12.0	25.0
NR Band n41 Switching SRS4 (PC2 SA)	E	AG 1	12.0		12.0		12.0	12.0	21.0

Notes:

1. If P_{limit} is higher than P_{max} for some modes / bands, The modes/bands will operate at a power level up to P_{max} .
2. P_{max} (Maximum tune-up power) is specified in tune-up document. The maximum allowed power is equal to maximum tune up power + 1 dB device design uncertainty.
3. All P_{limit} EFS and maximum tune up output P_{max} levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of TDD modulation schemes (e.g GSM and LTE TDD).
4. P_{limit} (DSI=0&1) was determined to be the lower of “Body-worn & Hotspot” and “Product Specific 10-g” in each WWAN Bands.
5. Some band's DSIs were determined more conservative P_{limit} instead of calculation P_{limit} in Section.7.

SAR Characterizations (Continued)

Exposure condition			Folder Open Body-worn & Hotspot	Folder Open Product Specific 10-g	Folder Closed Body-worn & Hotspot	Folder Closed Product Specific 10-g	Folder Open Head	Folder Closed Head	Pmax (Maximum tune-up Power) (dBm)
Spatial-average			1g	10g	1g	10g	1g	1g	
Test distance (mm)			5/10	0	5/10	0	0	0	
Configuration			Folder Open	Folder Open	Folder Closed	Folder Closed	Folder Open	Folder Closed	
DSI:			0		1		2		3
RF Air Interface	Antenna	Antenna Group	P _{limit} corresponding to 1.0 W/kg (SAR _{design_target}) (1g) / 2.5 W/kg (SAR _{design_target}) (10g)						
NR Band n41 SRS1 (PC2 NSA)	F	AG 1	14.0		16.0		14.0	15.5	25.0
NR Band n41 SRS1 (PC2 NSA)- RCV	F	AG 1	14.0		16.0		14.0	15.5	24.0
NR Band n41 SRS2 (PC2 NSA)	B	AG 0	14.5		16.0		14.5	19.0	22.0
NR Band n41 SRS3 (PC2 NSA)	E	AG 1	12.0		12.0		12.0	12.0	24.0
NR Band n41 SRS4 (PC2 NSA)	C	AG 0	12.0		12.0		12.0	12.0	22.5
NR Band n77(78) SRS1 (PC2 SA)	E	AG 1	15.0		16.0		16.0	18.0	26.0
NR Band n77(78) SRS2 (PC2 SA)	A	AG 0	12.0		12.0		12.0	12.0	23.0
NR Band n77(78) SRS3 (PC2 SA)	F	AG 1	12.0		12.0		12.0	12.0	24.0
NR Band n77(78) SRS4 (PC2 SA)	C	AG 0	12.0		12.0		12.0	12.0	23.0
DTS SISO Ant. 1	D	AG 1	17.0		17.0		14.5	14.5	19.0
DTS SISO Ant. 2	G	AG 1	17.0		17.0		14.5	14.5	19.0
DTS MIMO	D+G	AG 1	16.0		17.0		14.5	14.5	19.0
UNII-2A SISO Ant. 1	E	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-2A SISO Ant. 2	D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-2A MIMO	E+D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-2C SISO Ant. 1	E	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-2C SISO Ant. 2	D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-2C MIMO	E+D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-3 SISO Ant. 1	E	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-3 SISO Ant. 2	D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-3 MIMO	E+D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-4 SISO Ant. 1	E	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-4 SISO Ant. 2	D	AG 1	13.0		13.0		15.0	15.0	17.0
UNII-4 MIMO	E+D	AG 1	13.0		13.0		15.0	15.0	17.0
WiFi 6E SISO Ant. 1	E	AG 1	11.5		11.5		11.5	11.5	16.0
WiFi 6E SISO Ant. 2	D	AG 1	11.5		11.5		11.5	11.5	16.0
WiFi 6E MIMO	E+D	AG 1	11.5		11.5		11.5	11.5	16.0
Bluetooth Ant. 1	D	AG 1	16.0		16.0		13.0	13.0	19.0
Bluetooth Ant. 2	G	AG 1	16.0		16.0		13.0	13.0	19.0
Bluetooth MIMO	D+G	AG 1	13.5		13.5		13.0	13.0	14.0

Notes:

1. If P_{limit} is higher than P_{max} for some modes / bands, The modes/bands will operate at a power level up to P_{max} .
2. P_{max} (Maximum tune-up power) is specified in tune-up document. The maximum allowed power is equal to maximum tune up power + 1 dB device design uncertainty.
3. All P_{limit} EFS and maximum tune up output P_{max} levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of TDD modulation schemes (e.g GSM and LTE TDD).
4. P_{limit} (DSI=0&1) was determined to be the lower of "Body-worn & Hotspot" and "Product Specific 10-g" in each WWAN Bands.
5. Some band's DSIs were determined more conservative P_{limit} instead of calculation P_{limit} in Section.7.

6. Part.0 Plimit calculation for Product Specific 10-g SAR

The results of Product Specific 10-g SAR listed here are the results of verification to satisfy Plimit, although the FCC does not require testing. The results for the remaining conditions are also included in Sec.10 of Part.1 report.

Folder Closed

GSM850

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A	Product Specific 10-g 0 mm	GPRS 4 slots	1	0	Bottom	190	836.6	25.50	24.63	0.890	1.087	<u>25.9</u>
AG.0	Ant.A	Product Specific 10-g 0 mm	GPRS 4 slots	1	0	Right	190	836.6	25.50	24.63	0.737	0.900	26.7
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	GPRS 4 slots	1	0	Bottom	190	836.6	25.50	24.63	0.639	0.781	<u>27.3</u>
AG.0	Ant.A+B	Product Specific 10-g 0 mm	GPRS 4 slots	1	0	Right	190	836.6	25.50	24.63	0.495	0.605	28.4
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	GPRS 1 slot	1	0	Top	190	836.6	30.50	28.87	0.751	1.093	<u>24.9</u>
AG.1	Ant.D	Product Specific 10-g 0 mm	GPRS 1 slot	1	0	Right	190	836.6	30.50	28.87	0.683	0.994	25.3

GSM1900

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	GPRS 4 slots	1	0	Bottom	661	1880.0	22.50	21.70	1.270	1.527	<u>21.4</u>

W-CDMA Band II

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	Rel 99 RMC	1	0	Top	9400	1880.0	17.50	16.70	0.838	1.007	<u>21.4</u>

W-CDMA Band IV

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	Rel 99 RMC	1	0	Top	1413	1732.6	16.50	15.44	0.656	0.837	<u>21.2</u>

W-CDMA Band V

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A	Product Specific 10-g 0 mm	Rel 99 RMC	1	0	Bottom	4183	836.6	23.00	22.22	1.490	1.783	<u>24.4</u>
AG.0	Ant.A	Product Specific 10-g 0 mm	Rel 99 RMC	1	0	Right	4183	836.6	23.00	22.22	1.490	1.783	<u>24.4</u>
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	Rel 99 RMC	1	0	Bottom	4183	836.6	23.00	22.22	1.500	1.795	<u>24.4</u>
AG.0	Ant.A+B	Product Specific 10-g 0 mm	Rel 99 RMC	1	0	Right	4183	836.6	23.00	22.22	1.110	1.328	25.7
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	Rel 99 RMC	1	0	Top	4132	826.4	22.00	20.17	0.545	0.831	26.7
AG.1	Ant.D	Product Specific 10-g 0 mm	Rel 99 RMC	1	0	Right	4132	826.4	22.00	20.17	0.987	1.504	<u>24.2</u>

LTE Band 71 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A	Product Specific 10-g 0 mm	QPSK	20	1	0	Bottom	133297	680.5	1	0	23.00	22.37	0.790	0.913	27.3
AG.0	Ant.A	Product Specific 10-g 0 mm	QPSK	20	1	0	Right	133297	680.5	1	0	23.00	22.37	0.992	1.147	<u>26.3</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	20	1	0	Bottom	133297	680.5	1	0	23.00	22.37	0.677	0.783	28.0
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	20	1	0	Right	133297	680.5	1	0	23.00	22.37	1.060	1.225	<u>26.0</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	20	1	0	Top	133297	680.5	1	0	24.00	22.73	0.582	0.780	29.0
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	20	1	0	Right	133297	680.5	1	0	24.00	22.73	1.020	1.366	<u>26.6</u>

LTE Band 12 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A	Product Specific 10-g 0 mm	QPSK	10	1	0	Bottom	23095	707.5	1	25	23.00	22.37	0.889	1.028	<u>26.8</u>
AG.0	Ant.A	Product Specific 10-g 0 mm	QPSK	10	1	0	Right	23095	707.5	1	25	23.00	22.37	0.784	0.906	27.4
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	1	0	Bottom	23095	707.5	1	25	23.00	22.37	0.521	0.602	29.1
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	1	0	Right	23095	707.5	1	25	23.00	22.37	0.901	1.042	<u>26.8</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	1	0	Top	23095	707.5	1	0	24.00	23.46	0.820	0.929	28.3
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	1	0	Right	23095	707.5	1	0	24.00	23.46	1.050	1.189	<u>27.2</u>

LTE Band 13 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Flimit
AG.0	Ant.A	Product Specific 10-g 0 mm	QPSK	10	1	0	Bottom	23230	782.0	1	0	23.00	22.34	0.842	0.980	<u>27.0</u>
AG.0	Ant.A	Product Specific 10-g 0 mm	QPSK	10	1	0	Right	23230	782.0	1	0	23.00	22.34	0.838	0.976	<u>27.0</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Flimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	1	0	Bottom	23230	782.0	1	0	23.00	22.34	0.827	0.963	27.1
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	1	0	Right	23230	782.0	1	0	23.00	22.34	0.948	1.104	<u>26.5</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Flimit
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	1	0	Top	23230	782.0	1	49	24.00	22.15	0.805	1.233	27.0
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	1	0	Right	23230	782.0	1	49	24.00	22.15	1.210	1.853	<u>25.3</u>

LTE Band 14 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Flimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	1	0	Bottom	23330	793.0	1	0	23.00	22.30	1.080	1.269	<u>25.9</u>
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	1	0	Right	23330	793.0	1	0	23.00	22.30	0.752	0.884	27.5
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Flimit
AG.0	Ant.A	Product Specific 10-g 0 mm	QPSK	10	1	0	Bottom	23330	793.0	1	0	23.00	22.30	0.879	1.033	<u>26.8</u>
AG.0	Ant.A	Product Specific 10-g 0 mm	QPSK	10	1	0	Right	23330	793.0	1	0	23.00	22.30	0.753	0.885	27.5
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Flimit
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	1	0	Top	23330	793.0	1	49	24.00	22.23	0.844	1.269	26.9
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	1	0	Right	23330	793.0	1	49	24.00	22.23	1.160	1.744	<u>25.5</u>

LTE Band 26 (15MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Flimit
AG.0	Ant.A	Product Specific 10-g 0 mm	QPSK	15	1	0	Bottom	26865	831.5	1	0	23.00	22.78	1.360	1.431	<u>25.4</u>
AG.0	Ant.A	Product Specific 10-g 0 mm	QPSK	15	1	0	Right	26865	831.5	1	0	23.00	22.78	1.160	1.220	26.1
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Flimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	15	1	0	Bottom	26865	831.5	1	0	23.00	22.78	0.790	0.831	27.7
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	15	1	0	Right	26865	831.5	1	0	23.00	22.78	1.230	1.294	<u>25.8</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Flimit
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	15	1	0	Top	26865	831.5	1	0	22.00	20.65	0.533	0.727	27.3
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	15	1	0	Right	26865	831.5	1	0	22.00	20.65	0.880	1.201	<u>25.1</u>

LTE Band 5 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A	Product Specific 10-g 0 mm	QPSK	10	1	0	Bottom	20525	836.5	1	0	23.00	22.35	1.310	1.521	25.1
AG.0	Ant.A	Product Specific 10-g 0 mm	QPSK	10	1	0	Right	20525	836.5	1	0	23.00	22.35	1.150	1.336	25.7
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	1	0	Bottom	20525	836.5	1	0	23.00	22.35	0.757	0.879	27.5
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	1	0	Right	20525	836.5	1	0	23.00	22.35	1.320	1.533	25.1
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	1	0	Top	20525	836.5	1	0	22.00	20.60	0.501	0.692	27.5
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	1	0	Right	20525	836.5	1	0	22.00	20.60	0.824	1.137	25.4

LTE Band 66 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	QPSK	20	1	0	Bottom	132322	1745.0	1	0	17.00	16.64	0.600	0.652	22.8
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	QPSK	20	1	0	Top	132072	1720.0	1	99	16.50	15.62	0.724	0.887	21.0

LTE Band 25 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	QPSK	20	1	0	Bottom	26365	1882.5	1	0	18.00	17.53	0.878	0.978	22.0
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	QPSK	20	1	0	Top	26590	1905.0	1	0	17.50	16.70	0.763	0.917	21.8

LTE Band 30 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	QPSK	10	1	0	Bottom	27710	2310.0	1	0	17.50	16.83	1.330	1.552	19.5
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	QPSK	10	1	0	Top	27710	2310.0	1	0	17.50	16.69	1.170	1.410	19.9

LTE Band 7 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	QPSK	20	1	0	Bottom	20850	2510.0	1	99	17.00	16.53	0.968	1.079	20.6
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	QPSK	20	1	0	Top	20850	2510.0	1	0	17.00	15.88	1.080	1.398	19.5

LTE Band 41 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	QPSK	20	1	0	Bottom	41055	2636.5	1	0	19.00	18.28	0.503	0.594	<u>23.2</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	QPSK	20	1	0	Top	40185	2549.5	1	0	19.00	17.93	0.957	1.224	<u>20.1</u>

LTE Band 48 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.E	Product Specific 10-g 0 mm	QPSK	20	1	0	Top	56207	3646.7	1	99	20.00	19.88	0.549	0.564	<u>24.4</u>
AG.1	Ant.E	Product Specific 10-g 0 mm	QPSK	20	1	0	Left	56207	3646.7	1	99	20.00	19.88	0.049	0.050	34.9

NR Band n71 (35MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	35	1	0	Bottom	136100	680.5	1	93	23.00	22.27	0.596	0.705	28.4
AG.0	Ant.A	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	35	1	0	Right	136100	680.5	1	93	23.00	22.27	0.921	1.090	<u>26.6</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	35	1	0	Bottom	136100	680.5	0	93	23.00	22.27	1.250	1.479	25.2
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	35	1	0	Right	136100	680.5	0	93	23.00	22.27	1.470	1.739	<u>24.5</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	35	1	0	Top	136100	680.5	1	93	24.00	22.45	0.586	0.837	28.7
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	35	1	0	Right	136100	680.5	1	93	24.00	22.45	0.808	1.155	<u>27.3</u>

NR Band n12 (15MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	1	0	Bottom	141500	707.5	1	1	23.00	22.27	0.701	0.829	27.7
AG.0	Ant.A	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	1	0	Right	141500	707.5	1	1	23.00	22.27	0.771	0.912	<u>27.3</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	1	0	Bottom	141500	707.5	1	1	23.00	22.27	1.340	1.585	<u>24.9</u>
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	1	0	Right	141500	707.5	1	1	23.00	22.27	0.688	0.814	27.8
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	1	0	Top	141500	707.5	1	77	24.00	22.77	0.624	0.828	28.7
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	1	0	Right	141500	707.5	1	77	24.00	22.77	0.908	1.205	<u>27.1</u>

NR Band n14 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	1	0	Bottom	158600	793.0	1	1	23.00	22.28	1.520	1.794	24.4
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	1	0	Right	158600	793.0	1	1	23.00	22.28	0.859	1.014	26.9
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	1	0	Bottom	158600	793.0	1	1	23.00	22.28	0.875	1.033	26.8
AG.0	Ant.A	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	1	0	Right	158600	793.0	1	1	23.00	22.28	0.758	0.895	27.4
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	1	0	Top	158600	793.0	1	1	24.00	22.26	0.801	1.196	27.2
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	1	0	Right	158600	793.0	1	1	24.00	22.26	1.000	1.493	26.2

NR Band n26 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	1	0	Bottom	166300	831.5	1	1	23.00	22.18	1.860	2.247	23.4
AG.0	Ant.A	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	1	0	Right	166300	831.5	1	1	23.00	22.18	1.430	1.727	24.6
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	1	0	Bottom	166300	831.5	1	1	23.00	22.18	1.420	1.715	24.6
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	1	0	Right	166300	831.5	1	1	23.00	22.18	1.200	1.449	25.3
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	1	0	Top	166300	831.5	1	1	22.00	20.45	0.567	0.810	26.8
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	1	0	Right	166300	831.5	1	1	22.00	20.45	0.958	1.369	24.6

NR Band n5 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	1	0	Bottom	167300	836.5	1	1	23.00	22.17	1.430	1.731	24.5
AG.0	Ant.A	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	1	0	Right	167300	836.5	1	1	23.00	22.17	1.440	1.743	24.5
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	1	0	Bottom	167300	836.5	1	1	23.00	22.17	1.400	1.695	24.6
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	1	0	Right	167300	836.5	1	1	23.00	22.17	1.230	1.489	25.2
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	1	0	Top	167300	836.5	1	1	22.00	20.49	0.509	0.721	27.4
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	1	0	Right	167300	836.5	1	1	22.00	20.49	0.782	1.107	25.5

NR Band n7 (50MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	50	1	0	Bottom	507000	2535.0	1	1	17.00	16.74	0.926	0.983	21.0
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	50	1	0	Top	507000	2535.0	1	134	17.00	16.18	1.160	1.401	19.5

NR Band n66 (45MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	45	1	0	Bottom	349000	1745.0	1	1	17.00	16.45	0.748	0.849	<u>21.6</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	45	1	0	Top	349000	1745.0	1	1	16.50	15.69	0.748	0.901	<u>20.9</u>

NR Band n25 (40MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	40	1	0	Bottom	376500	1882.5	1	1	18.00	17.59	1.050	1.154	<u>21.3</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	40	1	0	Top	376500	1882.5	1	1	17.50	16.73	0.778	0.929	<u>21.7</u>

NR Band n30 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	1	0	Bottom	462000	2310.0	1	25	17.50	17.34	1.140	1.183	<u>20.7</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	1	0	Top	462000	2310.0	1	50	17.50	16.86	1.100	1.275	<u>20.4</u>

NR Band n70 (15MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	1	0	Bottom	340500	1702.5	1	1	18.00	17.02	0.719	0.901	<u>22.4</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	1	0	Top	340500	1702.5	1	1	16.50	15.77	0.744	0.880	<u>21.0</u>

NR Band n48 (40MHz Bandwidth)**(Voice/data/SRS1)**

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.E	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	40	1	0	Top	638000	3570.00	1	1	18.00	17.45	0.691	0.784	<u>23.0</u>
AG.1	Ant.E	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	40	1	0	Left	638000	3570.00	1	1	18.00	17.45	0.057	0.065	33.8

(SRS2/SRS3/SRS4)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.0	Ant.A	Product Specific 10-g 0 mm	SRS CW	40	1	0	Bottom	638000	3570.00	13.00	12.42	0.140	0.160	<u>24.9</u>
AG.0	Ant.A	Product Specific 10-g 0 mm	SRS CW	40	1	0	Right	638000	3570.00	13.00	12.42	0.038	0.043	30.6
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.F	Product Specific 10-g 0 mm	SRS CW	40	1	0	Top	638000	3570.00	13.00	12.60	0.670	0.735	<u>18.3</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.0	Ant.C	Product Specific 10-g 0 mm	SRS CW	40	1	0	Left	638000	3570.00	13.00	12.51	0.007	0.008	38.0
AG.0	Ant.C	Product Specific 10-g 0 mm	SRS CW	40	1	0	Bottom	638000	3570.00	13.00	12.51	0.090	0.101	<u>26.9</u>

NR Band n41 (100MHz Bandwidth)**(Voice/data/SRS1)**

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.F	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	100	1	0	Top	518598	2592.99	1	1	17.00	16.51	1.560	1.746	18.5
AG.1	Ant.F	Product Specific 10-g 0 mm	SRS CW	100	1	0	Top	518598	2592.99			17.00	16.93	1.830	1.860	<u>18.2</u>

Switching (Voice/data/SRS1)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.0	Ant.B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	100	1	0	Bottom	518598	2592.99	1	1	17.00	16.47	1.320	1.491	<u>19.2</u>

(SRS3/SRS4)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.E	Product Specific 10-g 0 mm	SRS CW	100	1	0	Top	518598	2592.99	13.00	11.98	0.191	0.242	<u>23.1</u>
AG.1	Ant.E	Product Specific 10-g 0 mm	SRS CW	100	1	0	Left	518598	2592.99	13.00	11.98	0.000	0.000	N/A
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.0	Ant.C	Product Specific 10-g 0 mm	SRS CW	100	1	0	Left	518598	2592.99	13.00	12.54	0.010	0.011	36.5
AG.0	Ant.C	Product Specific 10-g 0 mm	SRS CW	100	1	0	Bottom	518598	2592.99	13.00	12.54	0.414	0.460	<u>20.3</u>

NR Band n77 (100MHz Bandwidth)**(Voice/data/SRS1)**

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.E	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	100	1	0	Top	662000	3930.00	1	271	17.00	16.53	1.210	1.348	19.6
AG.1	Ant.E	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	100	1	0	Left	662000	3930.00	1	271	17.00	16.53	0.102	0.114	30.4

(SRS2/SRS3/SRS4)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.0	Ant.A	Product Specific 10-g 0 mm	SRS CW	100	1	0	Bottom	662000	3930.00	13.00	11.69	0.125	0.169	24.7
AG.0	Ant.A	Product Specific 10-g 0 mm	SRS CW	100	1	0	Right	662000	3930.00	13.00	11.69	0.062	0.084	27.7
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.F	Product Specific 10-g 0 mm	SRS CW	100	1	0	Top	662000	3930.00	13.00	12.72	0.376	0.401	20.9
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.0	Ant.C	Product Specific 10-g 0 mm	SRS CW	100	1	0	Left	650000	3750.00	13.00	11.89	0.004	0.005	39.8
AG.0	Ant.C	Product Specific 10-g 0 mm	SRS CW	100	1	0	Bottom	650000	3750.00	13.00	11.89	0.098	0.127	25.9

Wi-Fi (DTS Band)**DTS SISO**

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11b 1Mbps	1	0	Top	1	2412.0	1.750	97.27%	18.00	17.63			
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11b 1Mbps	1	0	Right	1	2412.0	1.890	97.27%	18.00	17.63	0.775	0.868	22.5
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.G	Product Specific 10-g 0 mm	802.11b 1Mbps	1	0	Top	6	2437.0	4.290	97.27%	18.00	17.37	1.410	1.676	19.7
AG.1	Ant.G	Product Specific 10-g 0 mm	802.11b 1Mbps	1	0	Right	6	2437.0	0.206	97.27%	18.00	17.37	0.045	0.053	34.6

DTS MIMO

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.D+G	Product Specific 10-g 0 mm	802.11b 1Mbps	1	0	Top	11	2462.0	3.570	97.27%	18.00	17.62	17.24	1.250	1.531	20.1
AG.1	Ant.D+G	Product Specific 10-g 0 mm	802.11b 1Mbps	1	0	Right	11	2462.0	3.980	97.27%	18.00	17.62	17.24	1.020	1.249	21.0

Wi-Fi (U-NII Bands)**U-NII 3 SISO**

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Top	155	5775.0	4.590	94.26%	14.00	12.86	1.250	1.724	15.6
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Left	155	5775.0	0.189	94.26%	14.00	12.86	0.051	0.070	29.5
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Top	155	5775.0	3.230	94.26%	14.00	13.08	0.677	0.888	18.4
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Right	155	5775.0	1.530	94.26%	14.00	13.08			

U-NII 3 MIMO

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Top	155	5775.0	4.750	94.26%	14.00	13.19	12.82	1.250	1.740	15.5
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Left	155	5775.0	0.193	94.26%	14.00	13.19	12.82			
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	1	0	Right	155	5775.0	2.230	94.26%	14.00	13.19	12.82	0.511	0.711	19.4

Bluetooth**Bluetooth SISO**

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.D	Product Specific 10-g 0 mm	BLE	1	0	Top	37	2402.0	85.03%	18.00	16.83	0.226	0.303	27.1
AG.1	Ant.D	Product Specific 10-g 0 mm	BLE	1	0	Right	37	2402.0	85.03%	18.00	16.83	0.905	1.212	21.1
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.G	Product Specific 10-g 0 mm	BLE	1	0	Top	37	2402.0	85.03%	17.00	16.81	1.480	1.582	18.9
AG.1	Ant.G	Product Specific 10-g 0 mm	BLE	1	0	Right	37	2402.0	85.03%	17.00	16.81	0.061	0.065	32.8

Bluetooth MIMO(Dual)

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Limit
AG.1	Ant.D+G	Product Specific 10-g 0 mm	BDR	1	0	Top	0	2402.0	76.61%	14.50	13.43	14.45	0.395	0.521	21.3
AG.1	Ant.D+G	Product Specific 10-g 0 mm	BDR	1	0	Right	0	2402.0	76.61%	14.50	13.43	14.45	0.215	0.284	23.9

Folder Open

GSM850

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	GPRS 4 slots	0	0	Bottom	190	836.6	25.50	24.63	0.374	0.457	29.7
AG.0	Ant.A+B	Product Specific 10-g 0 mm	GPRS 4 slots	0	0	Right	190	836.6	25.50	24.63	0.527	0.644	28.2
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	GPRS 1 slot	0	0	Top	190	836.6	30.50	28.87	0.441	0.642	27.2
AG.1	Ant.D	Product Specific 10-g 0 mm	GPRS 1 slot	0	0	Right	190	836.6	30.50	28.87	0.732	1.065	25.0

GSM1900

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	GPRS 4 slots	0	0	Bottom	661	1880.0	20.50	19.28	1.230	1.629	19.1

W-CDMA Band II

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	Rel 99 RMC	0	0	Top	9400	1880.0	16.50	15.68	1.120	1.353	19.1

W-CDMA Band IV

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	Rel 99 RMC	0	0	Top	1413	1732.6	16.50	15.44	1.010	1.289	19.3

W-CDMA Band V

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	Rel 99 RMC	0	0	Bottom	4183	836.6	23.00	22.22	0.649	0.777	28.0
AG.0	Ant.A+B	Product Specific 10-g 0 mm	Rel 99 RMC	0	0	Right	4183	836.6	23.00	22.22	1.030	1.233	26.0
Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	Rel 99 RMC	0	0	Top	4183	836.6	22.00	20.12	0.527	0.812	26.8
AG.1	Ant.D	Product Specific 10-g 0 mm	Rel 99 RMC	0	0	Right	4183	836.6	22.00	20.12	1.030	1.588	23.9

LTE Band 71 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	20	0	0	Bottom	133297	680.5	1	0	23.00	22.37	0.693	0.801	27.9
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	20	0	0	Right	133297	680.5	1	0	23.00	22.37	0.955	1.104	<u>26.5</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	20	0	0	Top	133297	680.5	1	49	23.00	21.99	0.459	0.579	29.3
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	20	0	0	Right	133297	680.5	1	49	23.00	21.99	0.949	1.197	<u>26.1</u>

LTE Band 12 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	0	0	Bottom	23095	707.5	1	25	23.00	22.37	0.584	0.675	28.6
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	0	0	Right	23095	707.5	1	25	23.00	22.37	0.784	0.906	<u>27.4</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	0	0	Top	23095	707.5	1	25	23.00	22.45	0.560	0.636	28.9
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	0	0	Right	23095	707.5	1	25	23.00	22.45	0.945	1.073	<u>26.6</u>

LTE Band 13 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	0	0	Bottom	23230	782.0	1	0	23.00	22.34	0.764	0.889	<u>27.4</u>
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	0	0	Right	23230	782.0	1	0	23.00	22.34	0.663	0.772	28.1
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	0	0	Top	23230	782.0	1	25	23.00	21.11	0.476	0.736	28.3
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	0	0	Right	23230	782.0	1	25	23.00	21.11	1.020	1.576	<u>25.0</u>

LTE Band 14 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	0	0	Bottom	23330	793.0	1	0	23.00	22.30	0.672	0.790	28.0
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	0	0	Right	23330	793.0	1	0	23.00	22.30	0.931	1.094	<u>26.5</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	0	0	Top	23330	793.0	1	25	23.00	21.40	0.513	0.742	28.2
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	0	0	Right	23330	793.0	1	25	23.00	21.40	1.160	1.677	<u>24.7</u>

LTE Band 26 (15MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	15	0	0	Bottom	26865	831.5	1	0	23.00	22.78	0.747	0.786	28.0
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	15	0	0	Right	26865	831.5	1	0	23.00	22.78	1.200	1.262	<u>25.9</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	15	0	0	Top	26865	831.5	1	0	22.00	20.65	0.444	0.606	28.1
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	15	0	0	Right	26865	831.5	1	0	22.00	20.65	0.905	1.235	<u>25.0</u>

LTE Band 5 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	0	0	Bottom	20525	836.5	1	0	23.00	22.35	0.765	0.889	27.4
AG.0	Ant.A+B	Product Specific 10-g 0 mm	QPSK	10	0	0	Right	20525	836.5	1	0	23.00	22.35	1.100	1.278	<u>25.9</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	0	0	Top	20525	836.5	1	0	22.00	20.60	0.415	0.573	28.3
AG.1	Ant.D	Product Specific 10-g 0 mm	QPSK	10	0	0	Right	20525	836.5	1	0	22.00	20.60	0.958	1.322	<u>24.7</u>

LTE Band 66 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	QPSK	20	0	0	Bottom	132322	1745.0	1	0	16.00	15.46	0.795	0.900	<u>20.4</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	QPSK	20	0	0	Top	132072	1720.0	1	99	16.50	15.62	0.809	0.991	<u>20.5</u>

LTE Band 25 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	QPSK	20	0	0	Bottom	26365	1882.5	1	0	16.50	16.27	0.956	1.008	<u>20.4</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	QPSK	20	0	0	Top	26590	1905.0	1	0	16.50	16.01	0.908	1.016	<u>20.4</u>

LTE Band 30 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	QPSK	10	0	0	Bottom	27710	2310.0	1	0	14.50	13.95	0.861	0.977	<u>18.5</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	QPSK	10	0	0	Top	27710	2310.0	1	0	15.00	13.77	0.694	0.921	<u>19.3</u>

LTE Band 7 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	QPSK	20	0	0	Top	20850	2510.0	1	0	15.00	13.82	0.818	1.073	<u>18.6</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	QPSK	20	0	0	Bottom	20850	2510.0	1	99	15.50	15.11	0.896	0.980	<u>19.5</u>

LTE Band 41 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	QPSK	20	0	0	Bottom	41055	2636.5	1	0	17.50	16.82	0.533	0.623	<u>21.5</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	QPSK	20	0	0	Top	40185	2549.5	1	0	17.00	15.92	1.050	1.346	<u>17.7</u>

LTE Band 48 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.E	Product Specific 10-g 0 mm	QPSK	20	0	0	Top	56207	3646.7	1	99	18.00	17.60	0.749	0.821	<u>20.8</u>

NR Band n71 (35MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	35	0	0	Bottom	136100	680.5	1	93	23.00	22.27	0.574	0.679	<u>28.6</u>
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	35	0	0	Right	136100	680.5	1	93	23.00	22.27	0.515	0.609	29.1
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	35	0	0	Top	136100	680.5	1	93	23.00	21.50	0.354	0.500	29.9
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	35	0	0	Right	136100	680.5	1	93	23.00	21.50	0.840	1.187	<u>26.2</u>

NR Band n12 (15MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	0	0	Bottom	141500	707.5	1	1	23.00	22.27	0.506	0.599	29.2
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	0	0	Right	141500	707.5	1	1	23.00	22.27	0.669	0.791	<u>27.9</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	0	0	Top	141500	707.5	1	77	23.00	21.78	0.458	0.607	29.1
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	0	0	Right	141500	707.5	1	77	23.00	21.78	0.687	0.910	<u>27.3</u>

NR Band n14 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	0	0	Bottom	158600	793.0	1	1	23.00	22.28	0.540	0.637	28.9
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	0	0	Right	158600	793.0	1	1	23.00	22.28	0.669	0.790	<u>28.0</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	0	0	Top	158600	793.0	1	1	23.00	21.21	0.490	0.740	28.2
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	0	0	Right	158600	793.0	1	1	23.00	21.21	0.843	1.273	<u>25.9</u>

NR Band n26 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	0	0	Bottom	166300	831.5	1	1	23.00	22.18	0.637	0.769	<u>28.1</u>
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	0	0	Right	166300	831.5	1	1	23.00	22.18	0.636	0.768	<u>28.1</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	0	0	Top	166300	831.5	1	1	22.00	20.45	0.395	0.564	28.4
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	0	0	Right	166300	831.5	1	1	22.00	20.45	0.637	0.910	<u>26.3</u>

NR Band n5 (20MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	0	0	Bottom	167300	836.5	1	1	23.00	22.17	0.668	0.809	27.9
AG.0	Ant.A+B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	0	0	Right	167300	836.5	1	1	23.00	22.17	0.917	1.110	<u>26.5</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	0	0	Top	167300	836.5	1	1	22.00	20.49	0.451	0.639	27.9
AG.1	Ant.D	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	20	0	0	Right	167300	836.5	1	1	22.00	20.49	0.680	0.963	<u>26.1</u>

NR Band n7 (50MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	50	0	0	Bottom	507000	2535.0	1	1	15.50	15.42	0.797	0.812	<u>20.3</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	50	0	0	Top	507000	2535.0	1	134	15.00	14.18	0.812	0.981	<u>19.0</u>

NR Band n66 (45MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	45	0	0	Bottom	349000	1745.0	1	1	16.00	15.55	0.887	0.984	<u>20.0</u>
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	45	0	0	Top	349000	1745.0	1	1	16.50	15.69	0.933	1.124	<u>19.9</u>

NR Band n25 (40MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	40	0	0	Bottom	376500	1882.5	1	1	16.50	15.79	0.979	1.153	19.8
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	40	0	0	Top	376500	1882.5	1	1	16.50	15.81	0.869	1.019	20.3

NR Band n30 (10MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	0	0	Bottom	462000	2310.0	1	25	14.50	14.33	0.792	0.824	19.3
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	10	0	0	Top	462000	2310.0	1	50	15.00	14.33	0.641	0.748	20.2

NR Band n70 (15MHz Bandwidth)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	0	0	Bottom	340500	1702.5	1	1	16.50	15.50	0.780	0.982	20.5
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	15	0	0	Top	340500	1702.5	1	1	16.50	15.77	0.604	0.715	21.9

NR Band n48 (40MHz Bandwidth)**(Voice/data/SRS1)**

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.E	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	40	0	0	Top	638000	3570.00	1	1	16.00	15.37	0.830	0.960	20.1

(SRS2/SRS3/SRS4)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A	Product Specific 10-g 0 mm	SRS CW	40	0	0	Bottom	638000	3570.00	13.00	12.42	0.198	0.226	23.4
AG.0	Ant.A	Product Specific 10-g 0 mm	SRS CW	40	0	0	Right	638000	3570.00	13.00	12.42	0.071	0.081	27.8
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	SRS CW	40	0	0	Top	638000	3570.00	13.00	12.60	0.816	0.895	17.4
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.C	Product Specific 10-g 0 mm	SRS CW	40	0	0	Bottom	638000	3570.00	13.00	12.51	0.099	0.111	26.5

NR Band n41 (100MHz Bandwidth)**(Voice/data/SRS1)**

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	100	0	0	Top	518598	2592.99	1	1	15.00	14.48	0.878	0.990	19.0
AG.1	Ant.F	Product Specific 10-g 0 mm	SRS CW	100	0	0	Top	518598	2592.99			15.00	14.11	1.200	1.473	17.2

Switching (Voice/data/SRS1)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.B	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	100	0	0	Bottom	518598	2592.99	1	1	15.50	15.12	1.140	1.244	18.5

(SRS3/SRS4)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.E	Product Specific 10-g 0 mm	SRS CW	100	0	0	Top	518598	2592.99	13.00	11.98	0.122	0.154	25.0
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.C	Product Specific 10-g 0 mm	SRS CW	100	0	0	Bottom	518598	2592.99	13.00	12.54	0.340	0.378	21.2

NR Band n77 (100MHz Bandwidth)**(Voice/data/SRS1)**

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	RB Allocation	RB offset	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.E	Product Specific 10-g 0 mm	DFT-s OFDM QPSK	100	0	0	Top	662000	3930.00	1	271	16.00	15.22	0.813	0.973	20.0

(SRS2/SRS3/SRS4)

Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.A	Product Specific 10-g 0 mm	SRS CW	100	0	0	Bottom	662000	3930.00	13.00	11.69	0.189	0.256	22.9
AG.0	Ant.A	Product Specific 10-g 0 mm	SRS CW	100	0	0	Right	662000	3930.00	13.00	11.69	0.049	0.066	28.7
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.F	Product Specific 10-g 0 mm	SRS CW	100	0	0	Top	662000	3930.00	13.00	12.72	0.634	0.676	18.6
Antenna Group	Antenna	RF Exposure Conditions	Waveform/Modulation	Bandwidth (MHz)	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.0	Ant.C	Product Specific 10-g 0 mm	SRS CW	100	0	0	Bottom	650000	3750.00	13.00	11.89	0.112	0.145	25.3

Wi-Fi (DTS Band)**DTS SISO**

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11b 1Mbps	0	0	Top	1	2412.0	1.720	97.27%	18.00	17.63	0.512	0.573	24.3
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11b 1Mbps	0	0	Right	1	2412.0	3.460	97.27%	18.00	17.63	0.929	1.040	21.8

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.G	Product Specific 10-g 0 mm	802.11b 1Mbps	0	0	Top	6	2437.0	6.180	97.27%	18.00	17.37	1.440	1.711	19.6
AG.1	Ant.G	Product Specific 10-g 0 mm	802.11b 1Mbps	0	0	Left	6	2437.0	0.159	97.27%	18.00	17.37	0.032	0.038	36.1

DTS MIMO

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D+G	Product Specific 10-g 0 mm	802.11b 1Mbps	0	0	Top	11	2462.0	5.620	97.27%	17.00	16.37	15.60	1.350	1.916	18.1
AG.1	Ant.D+G	Product Specific 10-g 0 mm	802.11b 1Mbps	0	0	Left	11	2462.0	0.105	97.27%	17.00	16.37	15.60			
AG.1	Ant.D+G	Product Specific 10-g 0 mm	802.11b 1Mbps	0	0	Right	11	2462.0	3.350	97.27%	17.00	16.37	15.60	0.945	1.341	19.7

Wi-Fi (U-NII Bands)**U-NII 3 SISO**

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Top	155	5775.0	2.830	94.26%	14.00	12.86	0.423	0.583	20.3

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Top	155	5775.0	0.693	94.26%	14.00	13.08	0.119	0.156	26.0
AG.1	Ant.D	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Right	155	5775.0	0.530	94.26%	14.00	13.08			

U-NII 3 MIMO

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Area Scan Max SAR	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Top	155	5775.0	3.190	94.26%	14.00	13.19	12.82	0.481	0.670	19.7
AG.1	Ant.D+E	Product Specific 10-g 0 mm	802.11ac VHT80 MCS0	0	0	Right	155	5775.0	0.536	94.26%	14.00	13.19	12.82			

Bluetooth**Bluetooth SISO**

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D	Product Specific 10-g 0 mm	BLE	0	0	Top	37	2402.0	85.03%	17.00	16.94	1.340	1.390	19.5
AG.1	Ant.D	Product Specific 10-g 0 mm	BLE	0	0	Right	17	2440.0	85.03%	17.00	16.62	1.120	1.251	20.0

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.G	Product Specific 10-g 0 mm	BLE	0	0	Top	37	2402.0	85.03%	17.00	16.81	2.860	3.057	16.1
AG.1	Ant.G	Product Specific 10-g 0 mm	BLE	0	0	Left	37	2402.0	85.03%	17.00	16.81	0.044	0.047	34.2

Bluetooth MIMO(Dual)

Antenna Group	Antenna	RF Exposure Conditions	Mode	DSI	Distance (mm)	Test Position	Channel	Frequency (MHz)	Duty Cycle	Tune-up Limit (dBm)	Measured Power Ant.1 (dBm)	Measured Power Ant.2 (dBm)	Measured SAR 10-g (W/kg)	Reported SAR 10-g (W/kg)	Part0 Plimit
AG.1	Ant.D+G	Product Specific 10-g 0 mm	BDR	0	0	Top	0	2402.0	76.61%	14.50	13.43	14.45	0.510	0.673	20.2
AG.1	Ant.D+G	Product Specific 10-g 0 mm	BDR	0	0	Right	0	2402.0	76.61%	14.50	13.43	14.45	0.027	0.036	32.9

Notes:

1. The maximum allowed power is equal to maximum tune up power + 1 dB device design uncertainty
2. Measured Output power refer to Sec.9 in SAR part.1 report.
3. Some bands were determined more conservative P_{limit} instead of calculation P_{limit} .

END OF REPORT