FCC 47 CFR § 2.1093
IEEE Std 1528-2013

SAR EVALUATION REPORT
(Part 0 : SAR CHARACTERIZATION)

FOR

GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, NFC, WPT and UWB

MODEL NUMBER: SM-F956U, SM-F956U1

FCC ID: A3LSMF956U

REPORT NUMBER: 4791196575-S1V2

ISSUE DATE: 5/8/2024

Prepared for
SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Prepared by

UL Korea, Ltd.

26th floor, 152, Teheran-ro, Gangnam-gu Seoul, 06236, Korea

Suwon Test Site: UL Korea, Ltd. Suwon Laboratory
218 Maeyeong-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16675, Korea
TEL: (031) 337-9902
FAX: (031) 213-5433

IAS ACCREDITED

Testing Laboratory

TL-637

Revision History

Rev.	Date	Revisions	Revised By
V1	4/30/2024	Initial Issue	--
V2	5/8/2024	Revised NR Band n48 SRS1, SRS 2 SAR test results in Sec.7 Revised BT MIMO Target in Sec 6.3.	Seungyeon.Kim

Table of Contents

1. Attestation of SAR Characterization

Applicant Name	SAMSUNG ELECTRONICS CO.,LTD.
FCC ID	A3LSMF956U
Model Number	SM-F956U, SM-F956U1
Applicable Standards	FCC 47 CFR § 2.1093 IEC Std 1528 IEC/IEEE Std 62209-1528 Published RF exposure KDB procedures
Report type	Part.0 : SAR Characterization
Date Tested	2/15/2024 to 4/25/2024
Part 0 Purpose	Part 0 is the procedures for determining P_{Limit} for 2G/3G/4G/5G NR sub6 and WLAN/BT to satisfy *SAR_design_target* 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	Seungyeon Kim Laboratory Engineer UL Korea, Ltd. Suwon Laboratory

2. Introduction

The equipment under test (EUT) is SAMSUNG Smartphone (FCC ID : A3LSMF956U), it contains the Qualcomm modems supporting 2G/3G/4G/5G NR and WLAN/BT technologies. These modems are enable with Qualcomm Smart Transmit feature to control and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is in compliance with FCC requirement.

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 17 Room
SAR 5 Room	SAR 19 Room
SAR 6 Room	

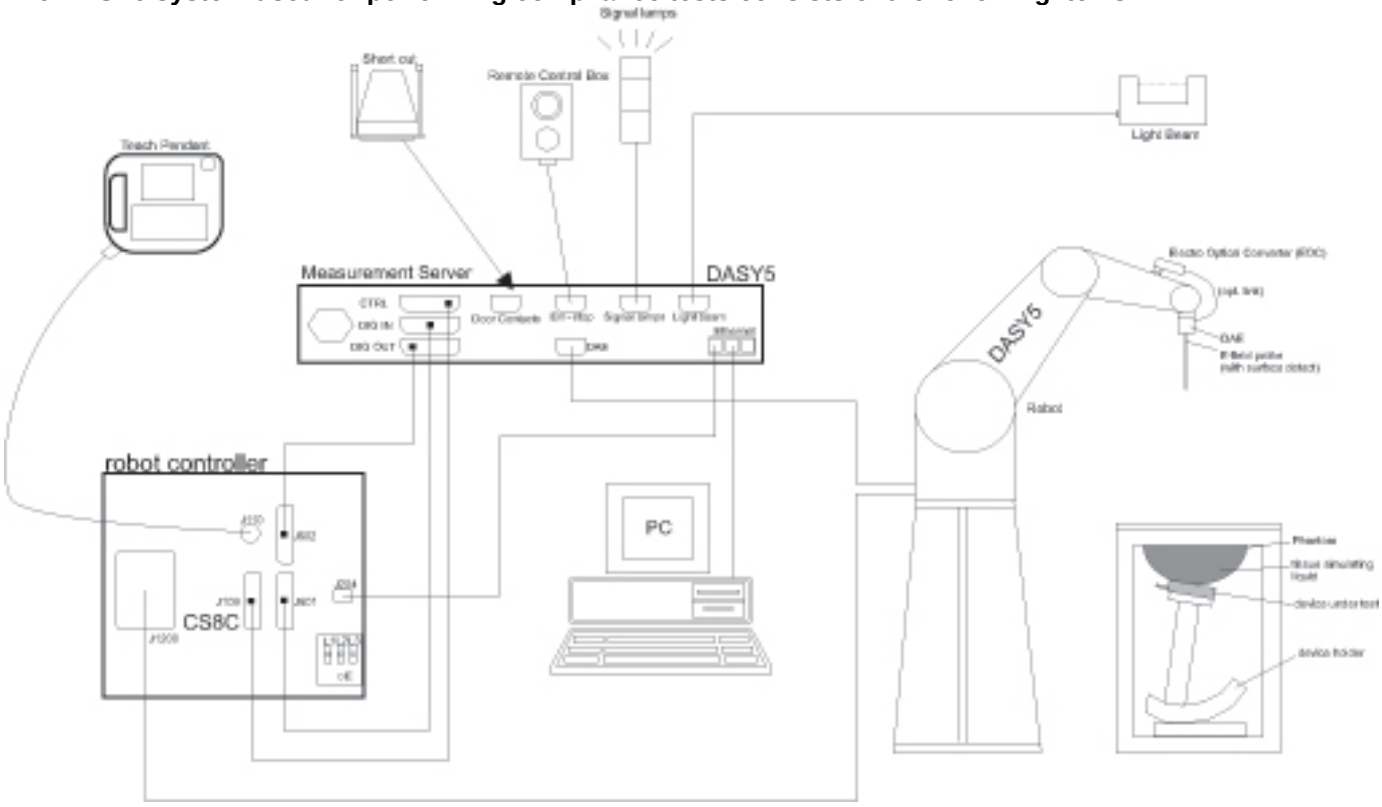
UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637.
The full scope of accreditation can be viewed at

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

4. SAR Measurement System & Test Equipment

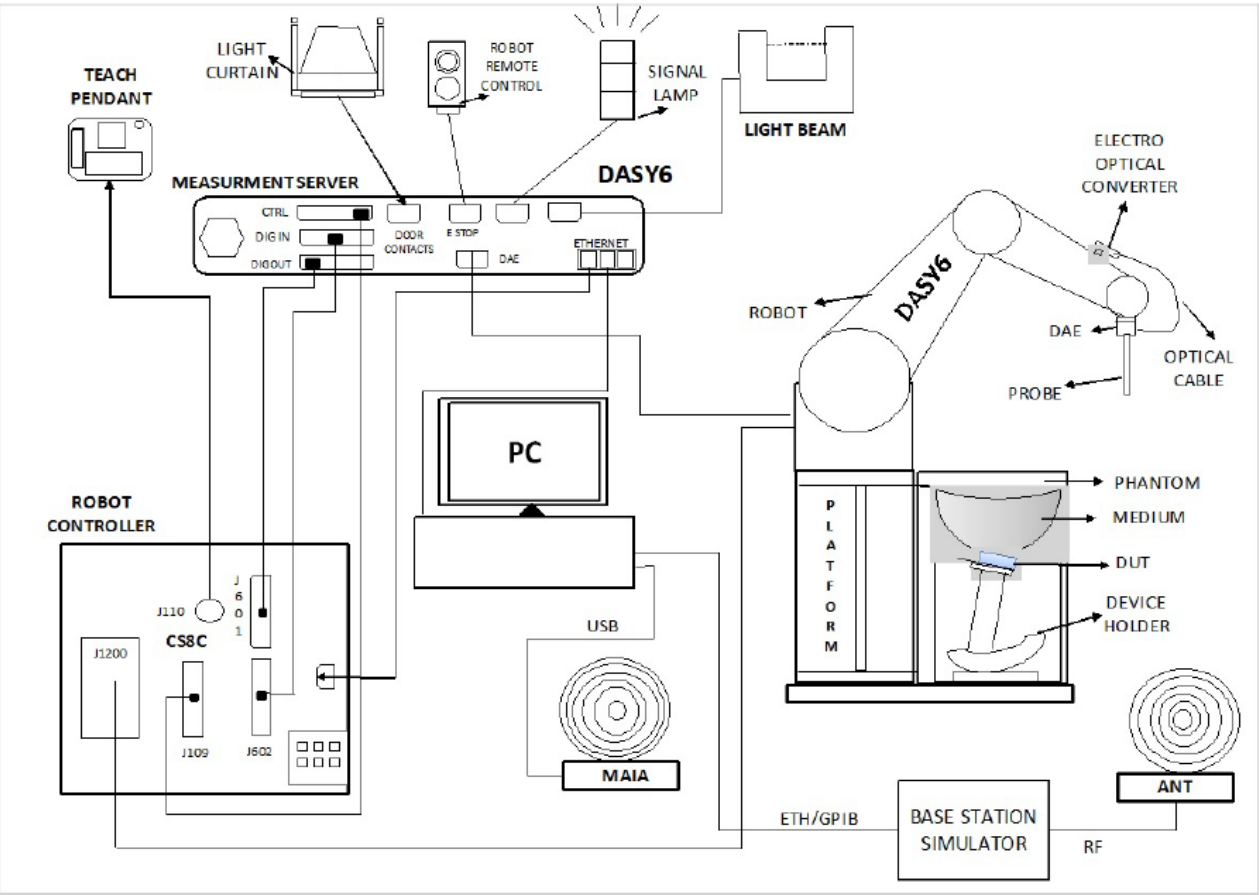
4.1. SAR Measurement System

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 WinXP or Win7 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 Win10 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	½·δ·ln(2) ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{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 ≤ 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: Δx_{Zoom}, Δy_{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: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
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 *reported* SAR from the *area scan based 1-g SAR estimation* 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.

Step 5: Z-Scan (FCC only)

The Z Scan measures points along a vertical straight line. The line runs along the Z-axis of a one-dimensional grid. In order to get a reasonable extrapolation the extrapolated distance should not be larger than the step size in Z-direction.

4.3. Test Equipment

The measuring equipment used to perform the tests documented in this report has been calibrated in accordance with the manufacturers' recommendations, and is traceable to recognized national standards.

Dielectric Property Measurements

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Network Analyzer	Agilent	E5071C	MY46522054	7-24-2024
Network Analyzer	ROHDE & SCHWARZ	ZNB 20	102256	7-24-2024
Dielectric Assessment Kit	SPEAG	DAK-12	1158	9-20-2024
Dielectric Assessment Kit	SPEAG	DAK-3.5	1133	**3-20-2024**
Dielectric Assessment Kit	SPEAG	DAK-3.5	1133	3-12-2025
Dielectric Assessment Kit	SPEAG	DAK-3.5	1134	**4-24-2024**
Dielectric Assessment Kit	SPEAG	DAK-3.5	1196	7-17-2024
Vector Network Analyzer	SPEAG	DAKS_VNA R140	SN0050221	**4-26-2024**
Vector Network Analyzer	SPEAG	DAKS_VNA R140	SN0060221	3-21-2025
Vector Network Analyzer	SPEAG	DAKS_VNA R140	SN0060221	**4-26-2024**
Shorting block	SPEAG	DAK-3.5 Short	SM DAK 200 BA	N/A
Shorting block	SPEAG	DAK-12 Short	SM DAK 220 AD	N/A
Thermometer	LKM	DTM3000	3851	7-25-2024
Thermometer	LKM	DTM3000	3862	7-25-2024

System Check

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
MXG Analog Signal Generator	Aglient	N5181A	MY50145882	7-26-2024
MXG Analog Signal Generator	Keysight	N5181B	MY59100587	7-26-2024
MXG Analog Signal Generator	Keysight	N5173B	MY59101083	7-27-2024
MXG Analog Signal Generator	Aglient	E8257D	MY53400994	7-24-2024
Power Sensor	KEYSIGHT	U2000A	MY60180020	7-26-2024
Power Sensor	KEYSIGHT	U2000A	MY60490008	7-25-2024
Power Sensor	KEYSIGHT	U2000A	MY60160004	7-25-2024
Power Sensor	KEYSIGHT	U2000A	MY61010006	7-25-2024
Power Sensor	KEYSIGHT	U2000A	MY61010010	7-25-2024
Power Sensor	KEYSIGHT	U2004A USB Sensor	MY61200006	1-3-2025
Power Sensor	KEYSIGHT	U2004A USB Sensor	MY61280010	1-3-2025
Power Amplifier	EXODUS	AMP2027	1410025-AMP2027-10003	2-14-2025
Power Amplifier	MINI-CIRCUITS	TVA-R5-13A+	2111006	1-3-2025
Power Amplifier	EXODUS	AMP2027ADB	10002	1-5-2025
Power Amplifier	Sambo	BA00T60W2D	S3010-0001	2-21-2025
Directional Coupler	Aglient	772D	MY52180193	7-25-2024
Directional Coupler	H.P	778D	16133	7-25-2024
Directional Coupler	NARDA	4216-10	2835	7-25-2024
Directional Coupler	MINI-CIRCUITS	ZMDC-30-1+	SF569102123	7-25-2024
Directional Coupler	MINI-CIRCUITS	ZUDC20-183+	N/A	7-24-2024
Directional Coupler	MINI-CIRCUITS	ZUDC20-183+	N/A	7-24-2024
Directional Coupler	KRYTAR	100318010	215541	1-4-2025
Directional Coupler	KRYTAR	100318010	215542	1-4-2025
Directional Coupler	MINI-CIRCUITS	ZMDC10-83-S+	2316	2-28-2025
Directional Coupler	MINI-CIRCUITS	ZMDC10-83-S+	2316	2-28-2025
Low Pass Filter	FILTRON	L14012FL	1410003S	7-25-2024
Low Pass Filter	MICROLAB	LA-60N	3942	7-25-2024
Low Pass Filter	MICROLAB	LA-15N	3943	7-25-2024
Low Pass Filter	MINI-CIRCUITS	VLF-6000+	S0141	7-25-2024
Low Pass Filter	MINI-CIRCUITS	VLF-6000+	S0142	7-25-2024
Low Pass Filter	MINI-CIRCUITS	VLF-3000+	S0143	7-25-2024
Low Pass Filter	MINI-CIRCUITS	NLP-1200+	VUU19301915	1-4-2025
Low Pass Filter	MINI-CIRCUITS	NLP-1200+	VUU19301915	1-4-2025
Low Pass Filter	MINI-CIRCUITS	NLP-1200	VUU19301915	7-25-2024
Low Pass Filter	KRYTAR	WLKX10-11000-13640-21000-60TS	1	7-25-2024
Low Pass Filter	MINI-CIRCUITS	VLF-1500+	32333	2-28-2025
Low Pass Filter	MINI-CIRCUITS	VLF-1500+	32241	2-28-2025
Low Pass Filter	MINI-CIRCUITS	VLF-3000+	32226	2-28-2025
Attenuator	KEYSIGHT	BW-S3W10+	N/A	1-4-2025
Attenuator	KEYSIGHT	8491B003	MY39272275	7-25-2024
Attenuator	KEYSIGHT	8491B003	MY39272277	7-24-2024
Attenuator	KEYSIGHT	8491B/003	VE2017A0283	7-25-2024
Attenuator	KEYSIGHT	8491B/003	MY39272276	7-25-2024
Attenuator	KEYSIGHT	8491B/010	MY39271981	7-24-2024
Attenuator	KEYSIGHT	8491B/010	MY39272011	7-25-2024
Attenuator	KEYSIGHT	8491B010	MY39272293	7-25-2024
Attenuator	KEYSIGHT	8491B010	MY39272306	7-24-2024
Attenuator	KEYSIGHT	8491B020	MY39272300	7-25-2024
Attenuator	KEYSIGHT	8491B/020	MY39272301	7-25-2024
Attenuator	KEYSIGHT	8491B/020	MY39272302	7-24-2024
Attenuator	KEYSIGHT	8491B/020	MY39271973	7-25-2024
Attenuator	KEYSIGHT	8491B020	MY39272300	7-6-2024

Note(s):

1. All equipments were used until Cal.Due data.

Test Equipment (Continued)

E-Field Probe	SPEAG	EX3DV4	7313	2-21-2025
E-Field Probe	SPEAG	EX3DV4	7314	5-26-2024
E-Field Probe	SPEAG	EX3DV4	7330	1-22-2025
E-Field Probe	SPEAG	EX3DV4	7376	7-25-2024
E-Field Probe	SPEAG	EX3DV4	7545	8-25-2024
E-Field Probe	SPEAG	EX3DV4	7645	9-20-2024
E-Field Probe	SPEAG	EX3DV4	7651	5-30-2024
E-Field Probe	SPEAG	EX3DV4	7651	3-18-2025
E-Field Probe	SPEAG	EX3DV4	7646	**3-23-2024**
E-Field Probe	SPEAG	EX3DV4	7646	3-15-2025
E-Field Probe	SPEAG	EX3DV4	7652	**4-24-2024**
E-Field Probe	SPEAG	EX3DV4	3871	8-25-2024
E-Field Probe	SPEAG	EX3DV4	7811	5-3-2024
E-Field Probe	SPEAG	EX3DV4	7850	10-27-2024
Data Acquisition Electronics	SPEAG	DAE4	1447	**3-22-2024**
Data Acquisition Electronics	SPEAG	DAE4	1447	3-13-2025
Data Acquisition Electronics	SPEAG	DAE4	1468	8-24-2024
Data Acquisition Electronics	SPEAG	DAE4	1494	7-17-2024
Data Acquisition Electronics	SPEAG	DAE4	1591	2-16-2025
Data Acquisition Electronics	SPEAG	DAE4	1670	5-24-2024
Data Acquisition Electronics	SPEAG	DAE4	1667	4-24-2024
Data Acquisition Electronics	SPEAG	DAE4	1667	3-14-2025
Data Acquisition Electronics	SPEAG	DAE4	1668	4-26-2024
Data Acquisition Electronics	SPEAG	DAE4	1798	5-2-2024
Data Acquisition Electronics	SPEAG	DAE4	1675	5-11-2024
Data Acquisition Electronics	SPEAG	DAE4	614	**3-21-2024**
Data Acquisition Electronics	SPEAG	DAE4	912	11-17-2024
Data Acquisition Electronics	SPEAG	DAE4	474	11-10-2024
System Validation Dipole	SPEAG	CLA -13	1015	8-22-2024
System Validation Dipole	SPEAG	D750V3	1205	4-18-2025
System Validation Dipole	SPEAG	D750V3	1122	2-22-2025
System Validation Dipole	SPEAG	D835V2	4d194	3-24-2024
System Validation Dipole	SPEAG	D835V2	4d194	3-11-2025
System Validation Dipole	SPEAG	D835V2	4d174	9-21-2024
System Validation Dipole	SPEAG	D1750V2	1125	11-30-2024
System Validation Dipole	SPEAG	D1900V2	5d190	11-16-2024
System Validation Dipole	SPEAG	D1900V2	5d199	3-25-2024
System Validation Dipole	SPEAG	D1900V2	5d199	3-13-2025
System Validation Dipole	SPEAG	D2300V2	1090	11-15-2024
System Validation Dipole	SPEAG	D2450V2	939	7-19-2024
System Validation Dipole	SPEAG	D2450V2	960	3-24-2024
System Validation Dipole	SPEAG	D2450V2	960	3-14-2025
System Validation Dipole	SPEAG	D5GHzV2	1184	11-23-2024
System Validation Dipole	SPEAG	D5GHzV2	1325	4-21-2025
System Validation Dipole	SPEAG	D5GHzV2	1209	2-28-2025
System Validation Dipole	SPEAG	D3500V2	1121	4-20-2025
System Validation Dipole	SPEAG	D3500V2	1075	5-19-2024
System Validation Dipole	SPEAG	D3700V2	1036	5-19-2024
System Validation Dipole	SPEAG	D1750V2	1180	9-21-2024
System Validation Dipole	SPEAG	D2300V2	1115	4-25-2025
System Validation Dipole	SPEAG	D2600V2	1178	4-25-2025
System Validation Dipole	SPEAG	D2600V2	1097	9-26-2024
System Validation Dipole	SPEAG	D3900V2	1069	4-21-2025
Thermometer	Lutron	MHB-382SD	AH.50215	1-4-2025
Thermometer	Lutron	MHB-382SD	AH.50213	1-4-2025
Thermometer	Lutron	MHB-382SD	AH.91463	1-4-2025
Thermometer	Lutron	MHB-382SD	AJ.42446	7-31-2024
Thermometer	Lutron	MHB-382SD	AK.12102	7-31-2024
Thermometer	Lutron	MHB-382SD	AK.12103	7-31-2024
Thermometer	Lutron	MHB-382SD	AK.12123	1-8-2025
Thermometer	Lutron	MHB-382SD	AK.18789	7-31-2024
Thermometer	Lutron	MHB-382SD	AJ.45903	1-8-2025

Others

Name of Equipment	Manufacturer	Type/Model	Serial No.	Cal. Due Date
Base Station Simulator	R & S	CMW500	150313	7-27-2024
Base Station Simulator	R & S	CMW500	150314	7-26-2024
Base Station Simulator	R & S	CMW500	162790	7-26-2024
Base Station Simulator	R & S	CMW500	169803	3-25-2025
Base Station Simulator	R & S	CMW500	169801	1-3-2025
Base Station Simulator	R & S	CMW500	169802	1-3-2025
Base Station Simulator	R & S	CMW500	169799	7-26-2024
Base Station Simulator	R & S	CMW500	169800	7-27-2024
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY57510596	7-27-2024
UXM 5G Wireless Test Platform	KEYSIGHT	E751B	MY59150850	1-3-2025
UXM 5G Wireless Test Platform	KEYSIGHT	E751B	MY57510655	1-3-2025
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY58120110	1-3-2025
Radio Communication Test Station	Anritsu	MT8000A	6272466165	10-18-2024
Radio Communication Analyzer	Anritsu	MT8821C	6161094351	11-30-2024

Note(s):

1. For System Validation Dipole, Calibration interval applied every 2 years according to referencing KDB 865664 guidance.
2. Refer to Appendix F that mentioned about justification for Extended SAR Dipole Calibrations. (for blue box items)
3. All equipments were used until Cal.Due data.

5. Device Under Test (DUT) Information

5.1. Wireless Technologies

Wireless technologies	Frequency bands	Operating mode		Duty Cycle used for SAR testing
GSM	850 1900	Voice (GMSK) GPRS (GMSK) EGPRS (8PSK)	GPRS Multi-Slot Class: ☐ Class 8 - 1 Up, 4 Down ☐ Class 10 - 2 Up, 4 Down ☐ Class 12 - 4 Up, 4 Down ☒ Class 33 - 4 Up, 5 Down	GSM Voice: 12.5% (E)GPRS: 1 Slot: 12.5% 2 Slots: 25% 3 Slots: 37.5% 4 Slots: 50%
	Does this device support DTM (Dual Transfer Mode)? ☐ Yes ☒ No			
W-CDMA (UMTS)	Band II Band IV Band V	UMTS Rel. 99 (Voice & Data) HSDPA (Category 24) HSUPA (Category 6) DC-HSDPA (Category 24) HSPA+ (DL only)		100%
LTE	FDD Band 71 / Band 12 FDD Band 13 / Band 14 FDD Band 26 / Band 5 FDD Band 66 / Band 4 FDD Band 25 / Band 2 FDD Band 30 / Band 7 TDD Band 38 / Band 48 TDD Band 41-PC3&PC2 **UL CA intraband-contiguous (2CC)** 41C / 48C / 66B / 66C	QPSK 16QAM 64QAM 256QAM Rel. 16 Carrier Aggregation (2 Uplink and 6 Downlinks)		100% (FDD) 63.3% (TDD) Power Class 3 43.3% (TDD) Power Class 2
	Does this device support SV-LTE (1xRTT-LTE)? ☐ Yes ☒ No			
NR (Sub6)	FDD Band n71 / Band n12 FDD Band n26 / Band n5 FDD Band n7 / Band n66 FDD Band n25 / Band n2 FDD Band n30 / Band n70 TDD Band n38 / Band n48 TDD Band n41-PC2 TDD Band n77-PC2 TDD Band n78-PC2	DFT-s-ODFM: ■ π/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-ODFM: ■QPSK, 16QAM, 64QAM, 256QAM		100%
Wi-Fi	2.4 GHz	802.11b / 802.11g / 802.11n (HT20) 802.11ac (VHT20) / 802.11ax (HE20)		98.80% (802.11b)
	5 GHz	802.11a / 802.11n (HT20) & (HT40) 802.11ac (VHT20) & (VHT40) & (VHT80) & (VHT160) 802.11ax (HE20) & (HE40) & (HE80) & (HE160)		98.18% (802.11n (HT40) 94.43% (802.11ac (VHT80)
	6 GHz	802.11a 802.11ax (HE20) & (HE40) & (HE80) & (HE160)		99.63% (802.11ax (HE160)
	Does this device support bands 5.60 ~ 5.65 GHz? ☒ Yes ☐ No			
	Does this device support Band gap channel(s)? ☒ Yes ☐ No			
Bluetooth	2.4 GHz	Version 5.3+LE		85.39% (LE-1M) 77.09% (BDR)
NFC	13.56 MHz	Type A/B/F		100%
UWB	6489.6 – 7987.2 MHz	Signal Configurations(0/1/3), PRF modes(BPRF/HPRF)		100%

5.2. 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 2G/3G/4G/5G NR Sub6 WWAN/WIFI/BT is compliance with FCC requirement. This part.0 report shows SAR characterization of 2G/3G/4G/5G NR Sub6 and WLAN/BT. Characterization is achieved by determining P_{limit} for 2G/3G/4G/5G NR Sub6 and WLAN/BT 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.

5.3. Nomenclature for Part 0 Report

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

6. SAR Characterizations

6.1. 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**

6.2. 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.	Descroption	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. UMPC-mini Tablet are designed for interactive hand-held use next to or near the body of users.	KDB 941225 D07
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

6.3. SAR Char

SAR results corresponding to P_{max} for each antenna/technology/band/DSI can be found in Section.7. 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)	Plimit Determination Scenarios
DSI = 0	The worst-case SAR exposure is determined as maximum SAR normalized to the limit among; 1. Body 1-g SAR at 10 mm in Folder Open condition. 2. 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. Bodyworn & Hotspot 1g SAR at 10 mm in Folder Close condition. 2. Product Specific 10g SAR at 0 mm in Folder Close condition.
DSI = 2 or 3	1. Plimit is calculated based on Head exposure SAR

Notes:

1. For DSI = 1, Plimit is calculated by:

All Antennas

P_{limit} = min{ P_{limit} corresponding to Body-worn & Hotspot 1g SAR evaluation at 10mm spacing,

P_{limit} corresponding to Product specifc 10g SAR evaluation at 0 mm on all surfaces and side edges with each antenna location at within 25mm from that surface or edge.}

2. For DSI = 0, Plimit is calculated by:

All Antennas

P_{limit} = min{ P_{limit} corresponding to Body 1-g SAR evaluation at 10mm spacing,

P_{limit} corresponding to Extremity 10-g SAR evaluation at 0 mm on all surfaces and side edges with each antenna location at within 25mm from that surface or edge.}

SAR Characterizations

Exposure condition			Folder Open UMPC Body 1-g	Folder Open UMPC Extremity 10-g	Folder Closed Body-worn & Hotspot	Folder Closed Product Specific 10-g	Folder Closed Head	Pmax (Maximum tune-up Power) (dBm)
Spatial-average			1g	10g	1g	10g	1g	
Test distance (mm)			10	0	10	0	0	
Configuration			Folder Open	Folder Open	Folder Closed	Folder Closed	Folder Closed	
DSI:			0		1		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	27.2		29.1	27.5	29.4	25.3
GSM 850	D	AG 1	28.9		30.7	29.3	32.9	25.3
GSM 1900	B	AG 0	18.3		18.3	18.3	31.5	21.3
WCDMA 2	B	AG 0	19.0		19.0	19.0	31.8	23.8
WCDMA 4	B	AG 0	19.0		19.0	19.0	29.6	23.5
WCDMA 5	A, A+B	AG 0	25.8		28.3	26.0	29.1	24.3
WCDMA 5	D	AG 1	27.5		30.3	29.5	31.6	24.3
LTE Band 5	A, A+B	AG 0	26.0		27.0	27.0	30.0	24.5
LTE Band 5	D	AG 1	27.3		30.5	29.4	31.9	24.5
LTE Band 7	B	AG 0	18.0		18.0	18.0	30.0	24.0
LTE Band 7	E	AG 1	19.0		19.0	19.0	26.6	24.0
LTE Band 12	A, A+B	AG 0	25.2		28.7	27.6	29.6	24.2
LTE Band 12	D	AG 1	27.1		30.3	27.4	29.8	24.2
LTE Band 13	A, A+B	AG 0	26.3		27.5	27.5	31.9	24.5
LTE Band 13	D	AG 1	28.2		33.0	28.7	30.9	24.5
LTE Band 14	A, A+B	AG 0	26.3		29.2	27.2	31.9	24.5
LTE Band 14	D	AG 1	28.6		30.8	29.0	34.1	24.5
LTE Band 25(2)	B	AG 0	18.0		19.0	19.0	30.8	24.0
LTE Band 25(2)	E	AG 1	20.0		20.0	20.0	22.5	24.0
LTE Band 26	A, A+B	AG 0	25.5		28.8	26.5	30.2	24.5
LTE Band 26	D	AG 1	27.4		31.1	29.2	31.2	24.5
LTE Band 30	B	AG 0	16.0		18.0	18.0	31.0	23.0
LTE Band 30	E	AG 1	19.0		21.0	21.0	20.5	23.0
LTE Band 66(4)	B	AG 0	19.0		19.0	19.0	29.7	24.0
LTE Band 66(4)	E	AG 1	20.0		20.0	20.0	21.5	24.0
LTE Band 71	A, A+B	AG 0	26.0		27.1	25.9	31.9	24.2
LTE Band 71	D	AG 1	27.0		29.6	26.6	30.3	24.2
LTE Band 41(38) PC3	B	AG 0	15.0		18.0	18.0	32.0	22.0
LTE Band 41(38) PC3	E	AG 1	18.5		18.5	18.5	N/A	22.0
LTE Band 41 PC2	B	AG 0	15.0		18.0	18.0	32.0	21.9
LTE Band 41 PC2	E	AG 1	18.5		18.5	18.5	N/A	21.9
LTE Band 48	E	AG 1	17.5		17.5	17.5	20.0	20.3
NR Band n5	A, A+B	AG 0	25.0		28.8	25.7	29.4	24.0
NR Band n5	D	AG 1	26.4		29.8	28.2	32.0	24.0
NR Band n7	B	AG 0	18.0		18.0	18.0	30.5	23.0
NR Band n7	E	AG 1	19.0		19.0	19.0	25.0	23.0
NR Band n12	A, A+B	AG 0	25.0		28.6	26.5	29.1	24.0
NR Band n12	D	AG 1	26.2		30.5	27.5	30.2	24.0
NR Band n25(2)	B	AG 0	18.0		19.0	19.0	30.8	23.5
NR Band n25(2)	E	AG 1	20.0		20.0	20.0	22.5	23.5
NR Band n26	A, A+B	AG 0	25.5		28.3	26.0	30.2	24.0
NR Band n26	D	AG 1	27.2		30.7	29.6	31.3	24.0
NR Band n30	B	AG 0	16.0		18.0	18.0	33.1	22.5
NR Band n30	E	AG 1	19.0		21.0	21.0	20.5	22.5
NR Band n66	B	AG 0	19.0		19.0	19.0	29.2	23.5
NR Band n66	E	AG 1	20.0		20.0	20.0	21.5	23.5
NR Band n70	B	AG 0	19.0		19.0	19.0	28.8	23.0
NR Band n70	E	AG 1	21.0		21.0	21.0	22.5	23.0
NR Band n71	A, A+B	AG 0	25.3		28.1	26.3	29.0	24.0
NR Band n71	D	AG 1	27.8		30.6	27.3	30.9	24.0

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) was determined to be the lower of “UMPC Body 1-g” and “UMPC Extremity 10-g” in each WWAN Bands.
5. P_{limit}(DSI=1) was determined to be the lower of “Body-worn & Hotspot” and “Product Specific 10-g” in each WWAN Bands.
6. Some band’s DSIs were determined more conservative P_{limit} instead of calculation P_{limit} in Section.7.
7. LTE Band 41 (Ant.E) is not supports DSI=3.

SAR Characterizations (Continued)

Exposure condition			Folder Open UMPC Body 1-g	Folder Open UMPC Extremity 10-g	Folder Closed Body-worn & Hotspot	Folder Closed Product Specific 10-g	Folder Closed Head	Pmax (Maximum tune-up Power) (dBm)
Spatial-average			1g	10g	1g	10g	1g	
Test distance (mm)			10	0	10	0	0	
Configuration			Folder Open	Folder Open	Folder Closed	Folder Closed	Folder Closed	
DSI:			0		1		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(38) PC2 -Main- (Switching SRS1)	E	AG 1	19.0		19.0	19.0	22.0	26.0
NR Band n41 PC2 -SRS2- (Switching SRS3)	G	AG 1	12.0		12.0	12.0	12.0	20.5
NR Band n41(38) swithcing PC2 -Main- (non switching SRS1)	B	AG 0	16.5		18.0	18.0	34.4	25.0
NR Band n41 swithcing PC2-SRS2- (non switching SRS3)	C	AG 0	12.0		12.0	12.0	12.0	19.0
NR Band n48 -Main-	E	AG 1	16.0		18.0	18.0	19.0	22.3
NR Band n48 -SRS1-	C	AG 0	14.0		14.0	14.0	14.0	17.5
NR Band n48 -SRS2-	F	AG 1	14.0		14.0	14.0	14.0	22.0
NR Band n48 -SRS3-	A	AG 0	14.0		14.0	14.0	14.0	19.5
NR Band n77(78) PC2 -Main-	E	AG 1	17.0		17.5	17.5	17.5	26.0
NR Band n77(78) PC2 -SRS1-	C	AG 0	14.0		14.0	14.0	14.0	19.0
NR Band n77(78) PC2 -SRS2-	F	AG 1	14.0		14.0	14.0	14.0	25.0
NR Band n77(78) PC2 -SRS3-	A	AG 0	14.0		14.0	14.0	14.0	21.5
DTS SISO Ant. 1	G	AG 1	17.0		17.0	17.0	17.0	19.0
DTS SISO Ant. 2	F	AG 1	17.0		17.0	17.0	17.0	19.0
DTS MIMO	G+F	AG 1	17.0		17.0	17.0	17.0	19.0
UNII-2A SISO Ant. 1	G	AG 1	20.8		26.3	21.6	20.8	17.0
UNII-2A SISO Ant. 2	D	AG 1	21.8		25.5	23.3	26.9	17.0
UNII-2A MIMO	G+D	AG 1	21.0		23.9	20.7	19.8	17.0
UNII-2C SISO Ant. 1	G	AG 1	18.8		21.9	21.5	22.3	17.0
UNII-2C SISO Ant. 2	D	AG 1	23.1		22.0	21.7	24.4	17.0
UNII-2C MIMO	G+D	AG 1	19.8		20.5	21.1	22.2	17.0
UNII-3 SISO Ant. 1	G	AG 1	18.3		24.2	24.2	20.2	17.0
UNII-3 SISO Ant. 2	D	AG 1	21.0		23.8	26.6	22.2	17.0
UNII-3 MIMO	G+D	AG 1	19.8		23.2	25.6	20.4	17.0
UNI-4 SISO Ant. 1	G	AG 1	22.4		24.9	21.3	20.7	17.0
UNI-4 SISO Ant. 2	D	AG 1	19.5		23.4	22.4	22.2	17.0
UNI-4 MIMO	G+D	AG 1	19.2		22.1	21.5	20.3	17.0
WiFi 6E SISO Ant. 1	G	AG 1	10.0		12.0	12.0	12.0	16.0
WiFi 6E SISO Ant. 2	D	AG 1	10.0		12.0	12.0	12.0	16.0
WiFi 6E MIMO	G+D	AG 1	10.0		12.0	12.0	12.0	16.0
Bluetooth Ant. 1	G	AG 1	21.9		28.3	25.7	28.0	18.5
Bluetooth Ant. 2	F	AG 1	20.8		22.9	20.1	25.3	18.5
Bluetooth MIMO	G+F	AG 1	20.2		23.7	20.8	25.0	14.5

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) was determined to be the lower of “UMPC Body 1-g” and “UMPC Extremity 10-g” in each WWAN Bands.
5. P_{limit}(DSI=1) was determined to be the lower of “Body-worn & Hotspot” and “Product Specific 10-g” in each WWAN Bands.
6. Some band’s DSIs were determined more conservative P_{limit} instead of calculation P_{limit} in Section.7.

7. SAR Test results for P_{limit} calculations

Head exposure (DSI = 2, 3)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Head	3	GSM 850	A	GPRS 2 Slots		190	0	Left Touch	24.89	0.042	38.66	32.36
							0	Left Tilt	24.89	0.041	38.76	
							0	Right Touch	24.89	0.055	37.49	
							0	Right Tilt	24.89	0.034	39.58	
			A+B	GPRS 2 Slots		190	0	Left Touch	24.89	0.123	33.99	
							0	Left Tilt	24.89	0.091	35.31	
							0	Right Touch	24.89	0.179	32.36	
							0	Right Tilt	24.89	0.087	35.51	
Head	3	GSM 850	D	GPRS 2 Slots		190	0	Left Touch	24.66	0.149	32.93	32.93
							0	Left Tilt	24.66	0.111	34.21	
							0	Right Touch	24.66	0.073	36.03	
							0	Right Tilt	24.66	0.060	36.88	
Head	3	GSM 1900	B	GPRS 3 Slots		512	0	Left Touch	22.18	0.050	35.16	34.36
							0	Left Tilt	22.18	0.032	37.09	
							0	Right Touch	22.18	0.061	34.36	
							0	Right Tilt	22.18	0.035	36.78	
Head	3	WCDMA 2	B	Rel 99		9400	0	Left Touch	23.65	0.064	35.58	34.73
							0	Left Tilt	23.65	0.055	36.24	
							0	Right Touch	23.65	0.078	34.73	
							0	Right Tilt	23.65	0.054	36.34	
Head	3	WCDMA 4	B	Rel 99		1413	0	Left Touch	23.41	0.096	33.60	32.48
							0	Left Tilt	23.41	0.077	34.55	
							0	Right Touch	23.41	0.124	32.48	
							0	Right Tilt	23.41	0.103	33.28	
Head	3	WCDMA 5	A	Rel 99		4183	0	Left Touch	24.49	0.111	34.04	32.03
							0	Left Tilt	24.49	0.105	34.28	
							0	Right Touch	24.49	0.130	33.35	
							0	Right Tilt	24.49	0.083	35.30	
			A+B	Rel 99		4183	0	Left Touch	24.49	0.126	33.49	
							0	Left Tilt	24.49	0.094	34.78	
							0	Right Touch	24.49	0.176	32.03	
							0	Right Tilt	24.49	0.093	34.83	
Head	3	WCDMA 5	D	Rel 99		4183	0	Left Touch	24.46	0.189	31.70	31.70
							0	Left Tilt	24.46	0.146	32.82	
							0	Right Touch	24.46	0.102	34.37	
							0	Right Tilt	24.46	0.092	34.82	
Head	3	LTE Band 5	A	QPSK BW = 10	1/25	20525	0	Left Touch	24.56	0.096	34.74	32.89
							0	Left Tilt	24.56	0.084	35.32	
							0	Right Touch	24.56	0.134	33.29	
							0	Right Tilt	24.56	0.069	36.17	
			A+B	QPSK BW = 10	1/25	20525	0	Left Touch	24.56	0.101	34.52	
							0	Left Tilt	24.56	0.080	35.53	
							0	Right Touch	24.56	0.147	32.89	
							0	Right Tilt	24.56	0.089	35.07	
Head	3	LTE Band 5	D	QPSK BW = 10	1/25	20525	0	Left Touch	24.61	0.186	31.91	31.91
							0	Left Tilt	24.61	0.130	33.47	
							0	Right Touch	24.61	0.100	34.61	
							0	Right Tilt	24.61	0.078	35.69	
Head	3	LTE Band 7	B	QPSK BW = 20	1/0	21100	0	Left Touch	24.45	0.084	35.20	32.84
							0	Left Tilt	24.45	0.063	36.48	
							0	Right Touch	24.45	0.145	32.84	
							0	Right Tilt	24.45	0.035	38.96	
Head	3	LTE Band 7	E	QPSK BW = 20	1/99	21100	0	Left Touch	23.79	0.362	28.20	26.66
							0	Left Tilt	23.79	0.403	27.74	
							0	Right Touch	23.79	0.412	27.64	
							0	Right Tilt	23.79	0.517	26.66	
Head	3	LTE Band 12	A	QPSK BW = 10	1/0	23095	0	Left Touch	24.20	0.116	33.56	32.44
							0	Left Tilt	24.20	0.082	35.06	
							0	Right Touch	24.20	0.150	32.44	
							0	Right Tilt	24.20	0.065	36.07	
			A+B	QPSK BW = 10	1/0	23095	0	Left Touch	24.20	0.109	33.83	
							0	Left Tilt	24.20	0.058	36.57	
							0	Right Touch	24.20	0.141	32.71	
							0	Right Tilt	24.20	0.075	35.45	
Head	3	LTE Band 12	D	QPSK BW = 10	1/0	23095	0	Left Touch	24.41	0.288	29.82	29.82
							0	Left Tilt	24.41	0.151	32.62	
							0	Right Touch	24.41	0.116	33.77	
							0	Right Tilt	24.41	0.069	36.02	
Head	3	LTE Band 13	A	QPSK BW = 10	1/25	23230	0	Left Touch	24.87	0.084	35.63	34.83
							0	Left Tilt	24.87	0.085	35.58	
							0	Right Touch	24.87	0.095	35.09	
							0	Right Tilt	24.87	0.062	36.95	
			A+B	QPSK BW = 10	1/25	23230	0	Left Touch	24.87	0.087	35.47	
							0	Left Tilt	24.87	0.059	37.16	
							0	Right Touch	24.87	0.101	34.83	
							0	Right Tilt	24.87	0.070	36.42	
Head	3	LTE Band 13	D	QPSK BW = 10	1/25	23230	0	Left Touch	24.60	0.231	30.96	30.96
							0	Left Tilt	24.60	0.057	37.04	
							0	Right Touch	24.60	0.050	37.61	
							0	Right Tilt	24.60	0.039	38.69	

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}.

Head exposure (DSI = 2, 3)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Head	3	LTE Band 14	A	QPSK BW = 10	1/0	23330	0	Left Touch	24.74	0.083	35.55	34.78
							0	Left Tilt	24.74	0.072	36.17	
							0	Right Touch	24.74	0.096	34.92	
							0	Right Tilt	24.74	0.059	37.03	
			A+B	QPSK BW = 10	1/0	23330	0	Left Touch	24.74	0.088	35.30	
							0	Left Tilt	24.74	0.064	36.68	
							0	Right Touch	24.74	0.099	34.78	
							0	Right Tilt	24.74	0.066	36.54	
Head	3	LTE Band 14	D	QPSK BW = 10	1/0	23330	0	Left Touch	24.54	0.110	34.13	34.13
							0	Left Tilt	24.54	0.090	35.00	
							0	Right Touch	24.54	0.073	35.91	
							0	Right Tilt	24.54	0.058	36.91	
Head	3	LTE Band 25(2)	B	QPSK BW = 20	1/0	26140	0	Left Touch	24.07	0.083	34.91	33.70
							0	Left Tilt	24.07	0.071	35.58	
							0	Right Touch	24.07	0.109	33.70	
							0	Right Tilt	24.07	0.088	34.64	
Head	3	LTE Band 25(2)	E	QPSK BW = 20	1/0	26590	0	Left Touch	22.20	0.485	25.34	23.71
							0	Left Tilt	21.91	0.660	23.71	
							0	Right Touch	22.12	0.512	25.03	
							0	Right Tilt	21.91	0.641	23.84	
Head	3	LTE Band 26	A	QPSK BW = 15	1/0	26865	0	Left Touch	24.43	0.098	34.52	33.09
							0	Left Tilt	24.43	0.075	35.68	
							0	Right Touch	24.43	0.131	33.26	
							0	Right Tilt	24.43	0.066	36.23	
			A+B	QPSK BW = 15	1/0	26865	0	Left Touch	24.43	0.112	33.94	
							0	Left Tilt	24.43	0.071	35.92	
							0	Right Touch	24.43	0.136	33.09	
							0	Right Tilt	24.43	0.093	34.75	
Head	3	LTE Band 26	D	QPSK BW = 15	1/0	26865	0	Left Touch	24.45	0.210	31.23	31.23
							0	Left Tilt	24.45	0.100	34.45	
							0	Right Touch	24.45	0.090	34.91	
							0	Right Tilt	24.45	0.073	35.82	
Head	3	LTE Band 30	B	QPSK BW = 10	1/25	27710	0	Left Touch	23.01	0.065	34.88	33.93
							0	Left Tilt	23.01	0.043	36.68	
							0	Right Touch	23.01	0.081	33.93	
							0	Right Tilt	23.01	0.058	35.38	
Head	3	LTE Band 30	E	QPSK BW = 10	1/25	27710	0	Left Touch	20.45	0.739	21.76	21.19
							0	Left Tilt	20.45	0.844	21.19	
							0	Right Touch	20.45	0.612	22.58	
							0	Right Tilt	20.45	0.802	21.41	
Head	3	LTE Band 66(4)	B	QPSK BW = 20	1/0	132572	0	Left Touch	24.02	0.119	33.26	32.62
							0	Left Tilt	24.02	0.105	33.81	
							0	Right Touch	24.02	0.138	32.62	
							0	Right Tilt	24.02	0.135	32.72	
Head	3	LTE Band 66(4)	E	QPSK BW = 20	50/50	132572	0	Left Touch	21.21	0.342	25.87	24.60
							0	Left Tilt	21.21	0.458	24.60	
							0	Right Touch	21.21	0.352	25.74	
							0	Right Tilt	21.21	0.427	24.91	
Head	3	LTE Band 71	A	QPSK BW = 20	1/0	133297	0	Left Touch	24.25	0.076	35.44	34.76
							0	Left Tilt	24.25	0.079	35.27	
							0	Right Touch	24.25	0.089	34.76	
							0	Right Tilt	24.25	0.061	36.40	
			A+B	QPSK BW = 20	1/0	133297	0	Left Touch	24.25	0.069	35.86	
							0	Left Tilt	24.25	0.038	38.45	
							0	Right Touch	24.25	0.085	34.96	
							0	Right Tilt	24.25	0.021	41.03	
Head	3	LTE Band 71	D	QPSK BW = 20	1/49	133297	0	Left Touch	24.25	0.248	30.31	30.31
							0	Left Tilt	24.25	0.150	32.49	
							0	Right Touch	24.25	0.113	33.72	
							0	Right Tilt	24.25	0.082	35.11	
Head	3	LTE Band 41(38) PC3	B	QPSK BW = 20	1/0	41055	0	Left Touch	22.38	0.051	35.30	34.90
							0	Left Tilt	22.38	0.039	36.47	
							0	Right Touch	22.38	0.056	34.90	
							0	Right Tilt	22.38	0.020	39.37	
Head	3	LTE Band 41(38) PC3	E	QPSK BW = 20	1/0	41055	0	Left Touch	22.64	0.331	27.44	25.39
							0	Left Tilt	22.64	0.531	25.39	
							0	Right Touch	22.64	0.274	28.26	
							0	Right Tilt	22.64	0.378	26.87	

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}.

Head exposure (DSI = 2, 3)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	P_{limit} (dBm)	Minimum P_{limit} (dBm)
Head	3	LTE Band 41(38) PC2	B	QPSK BW = 20	1/0	41055	0	Left Touch	22.33	0.000	62.33	62.33
Head	3	LTE Band 41(38) PC2	E	QPSK BW = 20	1/0	41055	0	Right Tilt	22.13	0.398	26.13	26.13
Head	3	LTE Band 48	E	QPSK BW = 20	50/0	56207	0	Left Touch	19.80	0.316	24.80	20.72
							0	Left Tilt	19.80	0.421	23.56	
							0	Right Touch	19.80	0.621	21.87	
							0	Right Tilt	19.52	0.759	20.72	
Head	3	NR Band n5	A	DFT-s OFDM QPSK BW= 20	50/28	167300	0	Left Touch	23.65	0.096	33.83	32.28
							0	Left Tilt	23.65	0.074	34.96	
							0	Right Touch	23.65	0.112	33.16	
							0	Right Tilt	23.65	0.068	35.32	
			A+B	DFT-s OFDM QPSK BW= 20	1/52	167300	0	Left Touch	23.65	0.094	33.92	
							0	Left Tilt	23.65	0.072	35.08	
							0	Right Touch	23.65	0.137	32.28	
							0	Right Tilt	23.65	0.068	35.32	
Head	3	NR Band n5	D	DFT-s OFDM QPSK BW= 20	50/28	167300	0	Left Touch	23.63	0.145	32.02	32.02
							0	Left Tilt	23.63	0.128	32.56	
							0	Right Touch	23.63	0.081	34.55	
							0	Right Tilt	23.63	0.071	35.12	
Head	3	NR Band n7	B	DFT-s OFDM QPSK BW=40	108/54	507000	0	Left Touch	23.49	0.078	34.57	33.40
							0	Left Tilt	23.49	0.048	36.66	
							0	Right Touch	23.49	0.102	33.40	
							0	Right Tilt	23.49	0.032	38.40	
Head	3	NR Band n7	E	DFT-s OFDM QPSK BW=40	1/214	507000	0	Left Touch	22.49	0.336	27.23	25.05
							0	Left Tilt	22.49	0.435	26.11	
							0	Right Touch	22.49	0.389	26.59	
							0	Right Tilt	22.49	0.555	25.05	
Head	3	NR Band n12	A	DFT-s OFDM QPSK BW=15	36/21	141500	0	Left Touch	23.82	0.114	33.25	32.03
							0	Left Tilt	23.82	0.061	35.97	
							0	Right Touch	23.82	0.151	32.03	
							0	Right Tilt	23.82	0.087	34.42	
			A+B	DFT-s OFDM QPSK BW=15	1/1	141500	0	Left Touch	23.85	0.094	34.12	
							0	Left Tilt	23.85	0.055	36.45	
							0	Right Touch	23.85	0.132	32.64	
							0	Right Tilt	23.85	0.079	34.87	
Head	3	NR Band n12	D	DFT-s OFDM QPSK BW=15	1/1	141500	0	Left Touch	23.62	0.219	30.22	30.22
							0	Left Tilt	23.62	0.137	32.25	
							0	Right Touch	23.62	0.089	34.13	
							0	Right Tilt	23.62	0.054	36.30	
Head	3	NR Band n25(2)	B	DFT-s OFDM QPSK BW=40	1/1	376500	0	Left Touch	23.61	0.087	34.21	33.71
							0	Left Tilt	23.61	0.056	36.14	
							0	Right Touch	23.61	0.098	33.71	
							0	Right Tilt	23.61	0.071	35.12	
Head	3	NR Band n25(2)	E	DFT-s OFDM QPSK BW=40	108/0	376500	0	Left Touch	22.08	0.502	25.07	23.55
							0	Left Tilt	22.08	0.636	24.05	
							0	Right Touch	22.08	0.599	24.31	
							0	Right Tilt	22.08	0.713	23.55	
Head	3	NR Band n26	A	DFT-s OFDM QPSK BW=20	50/28	166300	0	Left Touch	23.73	0.076	34.92	33.05
							0	Left Tilt	23.73	0.066	35.53	
							0	Right Touch	23.73	0.097	33.86	
							0	Right Tilt	23.73	0.064	35.67	
			A+B	DFT-s OFDM QPSK BW=20	50/28	166300	0	Left Touch	23.73	0.086	34.39	
							0	Left Tilt	23.73	0.063	35.74	
							0	Right Touch	23.73	0.117	33.05	
							0	Right Tilt	23.73	0.077	34.87	
Head	3	NR Band n26	D	DFT-s OFDM QPSK BW=20	50/28	166300	0	Left Touch	23.68	0.171	31.35	31.35
							0	Left Tilt	23.68	0.135	32.38	
							0	Right Touch	23.68	0.081	34.60	
							0	Right Tilt	23.68	0.071	35.17	

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}.

Head exposure (DSI = 2, 3)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Head	3	NR Band n30	B	DFT-s OFDM QPSK BW=10	25/13	462000	0	Left Touch	22.56	0.045	36.03	36.03
							0	Left Tilt	22.56	0.018	40.01	
							0	Right Touch	22.56	0.031	37.65	
							0	Right Tilt	22.56	0.030	37.79	
Head	3	NR Band n30	E	DFT-s OFDM QPSK BW=20	25/13	462000	0	Left Touch	20.48	0.692	22.08	21.32
							0	Left Tilt	20.48	0.825	21.32	
							0	Right Touch	20.48	0.627	22.51	
							0	Right Tilt	20.48	0.768	21.63	
Head	3	NR Band n66	B	DFT-s OFDM QPSK BW=40	1/1	349000	0	Left Touch	23.40	0.109	33.03	32.10
							0	Left Tilt	23.40	0.095	33.62	
							0	Right Touch	23.40	0.135	32.10	
							0	Right Tilt	23.40	0.100	33.40	
Head	3	NR Band n66	E	DFT-s OFDM QPSK BW=40	108/54	349000	0	Left Touch	21.11	0.348	25.69	23.78
							0	Left Tilt	21.11	0.541	23.78	
							0	Right Touch	21.11	0.360	25.55	
							0	Right Tilt	21.11	0.451	24.57	
Head	3	NR Band n70	B	DFT-s OFDM QPSK BW=15	36/21	340500	0	Left Touch	23.28	0.087	33.88	31.67
							0	Left Tilt	23.28	0.111	32.83	
							0	Right Touch	23.28	0.110	32.87	
							0	Right Tilt	23.28	0.145	31.67	
Head	3	NR Band n70	E	DFT-s OFDM QPSK BW=15	36/21	340500	0	Left Touch	22.19	0.362	26.60	24.49
							0	Left Tilt	22.19	0.565	24.67	
							0	Right Touch	22.19	0.456	25.60	
							0	Right Tilt	22.19	0.589	24.49	
Head	3	NR Band n71	A	DFT-s OFDM QPSK BW=20	50/28	136100	0	Left Touch	24.04	0.096	34.22	31.89
							0	Left Tilt	24.04	0.055	36.64	
							0	Right Touch	24.04	0.137	32.67	
							0	Right Tilt	24.04	0.075	35.29	
			A+B	DFT-s OFDM QPSK BW=20	50/28	136100	0	Left Touch	24.04	0.137	32.67	
							0	Left Tilt	24.04	0.075	35.29	
							0	Right Touch	24.04	0.164	31.89	
							0	Right Tilt	24.04	0.090	34.50	
Head	3	NR Band n71	D	DFT-s OFDM QPSK BW=20	1/52	136100	0	Left Touch	24.07	0.205	30.95	30.95
							0	Left Tilt	24.07	0.131	32.90	
							0	Right Touch	24.07	0.098	34.16	
							0	Right Tilt	24.07	0.072	35.50	
Head	3	NR Band n41(38) PC2 Main	E	DFT-s OFDM QPSK BW=100	1/136	518598	0	Left Touch	22.81	0.188	30.07	27.77
							0	Left Tilt	22.81	0.278	28.37	
							0	Right Touch	22.81	0.221	29.37	
							0	Right Tilt	22.81	0.319	27.77	
Head	3	NR Band n41 PC2 -SRS2-	G	CW	1/1	518598	0	Left Touch	12.23	0.000	52.23	52.23
							0	Left Tilt	12.23	0.000	52.23	
							0	Right Touch	12.23	0.000	52.23	
							0	Right Tilt	12.23	0.000	52.23	
Head	3	NR Band n41(38) switching PC2 Main	B	CW	1/1	518598	0	Left Touch	25.98	0.064	37.94	37.29
							0	Left Tilt	25.98	0.044	39.51	
							0	Right Touch	25.98	0.074	37.29	
							0	Right Tilt	25.98	0.007	47.77	
Head	3	NR Band n41 switching PC2 -SRS2-	C	CW	1/1	518598	0	Left Touch	11.85	0.000	51.85	51.85
							0	Left Tilt	11.85	0.000	51.85	
							0	Right Touch	11.85	0.000	51.85	
							0	Right Tilt	11.85	0.000	51.85	
Head	3	NR Band n48 Main	E	DFT-s OFDM QPSK BW=40	1/1	645332	0	Left Touch	19.74	0.326	24.61	19.46
							0	Left Tilt	19.74	0.409	23.62	
							0	Right Touch	19.63	0.905	20.06	
							0	Right Tilt	19.63	1.040	19.46	
Head	3	NR Band n48 -SRS1-	C	CW	1/1	645332	0	Left Touch	14.63	0.000	54.63	54.63
							0	Left Tilt	14.63	0.000	54.63	
							0	Right Touch	14.63	0.000	54.63	
							0	Right Tilt	14.63	0.000	54.63	

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}.

Head exposure (DSI = 2, 3)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	P_{limit} (dBm)	Minimum P_{limit} (dBm)
Head	3	NR Band n48 -SRS2-	F	CW	1/1	641666	0	Left Touch	14.41	0.082	25.27	23.55
							0	Left Tilt	14.41	0.122	23.55	
							0	Right Touch	14.41	0.061	26.56	
							0	Right Tilt	14.41	0.074	25.72	
Head	3	NR Band n48 -SRS3-	A	CW	1/1	638000	0	Left Touch	14.22	0.000	54.22	54.22
							0	Left Tilt	14.22	0.000	54.22	
							0	Right Touch	14.22	0.000	54.22	
							0	Right Tilt	14.22	0.000	54.22	
Head	3	NR Band n77 PC2 -SRS0-	E	DFT-s OFDM QPSK BW=100	1/1	662000	0	Left Touch	17.86	0.254	23.81	19.89
							0	Left Tilt	17.86	0.365	22.24	
							0	Right Touch	17.86	0.466	21.18	
							0	Right Tilt	17.86	0.627	19.89	
Head	3	NR Band n77 PC2 -SRS1-	C	CW	1/1	662000	0	Left Touch	13.68	0.000	53.68	53.68
							0	Left Tilt	13.68	0.000	53.68	
							0	Right Touch	13.68	0.000	53.68	
							0	Right Tilt	13.68	0.000	53.68	
Head	3	NR Band n77 PC2 -SRS2-	F	CW	1/1	633334	0	Left Touch	14.55	0.046	27.92	25.98
							0	Left Tilt	14.55	0.072	25.98	
							0	Right Touch	14.55	0.038	28.75	
							0	Right Tilt	14.55	0.054	27.23	
Head	3	NR Band n77 PC2 -SRS3-	A	CW	1/1	650000	0	Left Touch	14.42	0.000	54.42	36.64
							0	Left Tilt	14.42	0.000	54.42	
							0	Right Touch	14.42	0.006	36.64	
							0	Right Tilt	14.42	0.000	54.42	

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}.

Head exposure (DSI = 2, 3)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	P_{limit} (dBm)	Minimum P_{limit} (dBm)
Head	3	DTS SISO Ant. 1	G	802.11b 1Mbps		6	0	Left Touch	17.17	0.199	24.18	24.18
Head	3	DTS SISO Ant. 2	F	802.11b 1Mbps		1	0	Right Tilt	17.41	0.571	19.84	19.84
Head	3	DTS MIMO	G+F	802.11b 1Mbps		1	0	Left Touch	17.47	0.443	21.01	21.01
Head	3	UNII-2A SISO Ant. 1	G	802.11n (HT40)		54	0	Left Touch	17.13	0.426	20.84	20.84
Head	3	UNII-2A SISO Ant. 2	D	802.11n (HT40)		54	0	Left Touch	17.70	0.119	26.94	26.94
Head	3	UNII-2A MIMO	G+D	802.11n (HT40)		54	0	Left touch	17.23	0.550	19.83	19.83
Head	3	UNII-2C SISO Ant. 1	G	802.11ac (VHT80)		122	0	Right Touch	16.90	0.285	22.35	22.35
Head	3	UNII-2C SISO Ant. 2	D	802.11ac (VHT80)		122	0	Left Tilt	17.24	0.191	24.43	24.43
Head	3	UNII-2C MIMO	G+D	802.11ac (VHT80)		122	0	Right Touch	17.02	0.302	22.22	22.22
Head	3	UNII-3 SISO Ant. 1	G	802.11ac (VHT80)		155	0	Right Touch	16.68	0.442	20.23	20.23
Head	3	UNII-3 SISO Ant. 2	D	802.11ac (VHT80)		155	0	Left Tilt	17.05	0.304	22.22	22.22
Head	3	UNII-3 MIMO	G+D	802.11ac (VHT80)		155	0	Right Touch	17.04	0.461	20.40	20.40
Head	3	UNII-4 SISO Ant. 1	G	802.11ac (VHT80)		171	0	Right Touch	16.60	0.382	20.78	20.78
Head	3	UNII-4 SISO Ant. 2	D	802.11ac (VHT80)		171	0	Left Tilt	16.82	0.286	22.26	22.26
Head	3	UNII-4 MIMO	G+D	802.11ac (VHT80)		171	0	Right Touch	16.78	0.439	20.36	20.36
Head	3	WiFi 6E SISO Ant. 1	G	802.11ax (HE160)		15	0	Left Touch	12.60	0.182	20.00	20.00
Head	3	WiFi 6E SISO Ant. 2	D	802.11ax (HE160)			0	Left Touch	12.50	0.121	21.67	21.67
Head	3	WiFi 6E MIMO	G+D	802.11ax (HE160)		79	0	Left Touch	12.09	0.248	18.15	18.15
Head	3	Bluetooth Ant. 1	G	LE 1M 255pkt		0	0	Left Touch	19.01	0.126	28.01	28.01
							0	Left Tilt	19.01	0.019	36.22	
							0	Right Touch	19.01	0.068	30.68	
							0	Right Tilt	19.01	0.012	38.22	
Head	3	Bluetooth Ant. 2	F	LE 1M 255pkt		19	0	Left Touch	19.07	0.175	26.64	25.34
							0	Left Tilt	19.07	0.202	26.02	
							0	Right Touch	19.07	0.162	26.98	
							0	Right Tilt	19.07	0.236	25.34	
Head	3	Bluetooth MIMO	G+F	GFSK DH5		39	0	Left Touch	14.90	0.067	26.64	25.03
							0	Left Tilt	14.90	0.082	25.76	
							0	Right Touch	14.90	0.097	25.03	
							0	Right Tilt	14.90	0.064	26.84	

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}.

Body-worn & Hotspot exposure (DSI = 1)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Bodyworn & Hotspot	1	GSM 850	A	GPRS 2 Slots		190	10	Rear	24.89	0.190	32.10	29.13
							10	Front	24.89	0.054	37.57	
							10	Bottom	24.89	0.074	36.20	
							10	Right	24.89	0.175	32.46	
			A+B	GPRS 2 Slots		190	10	Rear	24.89	0.362	29.30	
							10	Front	24.89	0.140	33.43	
							10	Left	24.89	0.191	32.08	
							10	Bottom	24.89	0.146	33.25	
							10	Right	24.89	0.377	29.13	
Bodyworn & Hotspot	1	GSM 850	D	GPRS 2 Slots		190	10	Rear	24.66	0.247	30.73	30.73
							10	Front	24.66	0.096	34.84	
							10	Top	24.66	0.158	32.67	
							10	Right	24.66	0.224	31.16	
Bodyworn & Hotspot	1	GSM 1900	B	GPRS 4 Slots		661	10	Rear	17.85	0.283	23.33	21.59
							10	Front	17.85	0.086	28.49	
							10	Left	17.85	0.046	31.21	
							10	Bottom	17.85	0.423	21.59	
							10	Right	17.85	0.082	28.73	
Bodyworn & Hotspot	1	WCDMA 2	B	Rel 99		9400	10	Rear	19.37	0.712	20.85	19.33
							10	Front	19.37	0.202	26.32	
							10	Left	19.37	0.083	30.18	
							10	Bottom	19.37	1.010	19.33	
							10	Right	19.37	0.200	26.36	
Bodyworn & Hotspot	1	WCDMA 4	B	Rel 99		1513	10	Rear	19.07	0.597	21.31	20.07
							10	Front	19.07	0.204	25.97	
							10	Left	19.07	0.080	30.07	
							10	Bottom	19.10	0.799	20.07	
							10	Right	19.07	0.152	27.25	
Bodyworn & Hotspot	1	WCDMA 5	A	Rel 99		4183	10	Rear	24.49	0.381	28.68	28.39
							10	Front	24.49	0.126	33.49	
							10	Bottom	24.49	0.152	32.67	
							10	Right	24.49	0.381	28.68	
			A+B	Rel 99		4183	10	Rear	24.49	0.368	28.83	
							10	Front	24.49	0.157	32.53	
							10	Left	24.49	0.188	31.75	
							10	Bottom	24.49	0.130	33.35	
							10	Right	24.49	0.407	28.39	
Bodyworn & Hotspot	1	WCDMA 5	D	Rel 99		4183	10	Rear	24.46	0.255	30.39	30.39
							10	Front	24.46	0.097	34.59	
							10	Top	24.46	0.171	32.13	
							10	Right	24.46	0.212	31.20	
Bodyworn & Hotspot	1	LTE Band 5	A	QPSK BW = 10	1/25	20525	10	Rear	24.56	0.382	28.74	28.49
							10	Front	24.56	0.119	33.80	
							10	Bottom	24.56	0.141	33.07	
							10	Right	24.56	0.379	28.77	
			A+B	QPSK BW = 10	1/25	20525	10	Rear	24.56	0.405	28.49	
							10	Front	24.56	0.167	32.33	
							10	Left	24.56	0.142	33.04	
							10	Bottom	24.56	0.153	32.71	
							10	Right	24.56	0.323	29.47	
Bodyworn & Hotspot	1	LTE Band 5	D	QPSK BW = 10	1/25	20525	10	Rear	24.61	0.255	30.54	30.54
							10	Front	24.61	0.087	35.21	
							10	Top	24.61	0.150	32.85	
							10	Right	24.61	0.205	31.49	
Bodyworn & Hotspot	1	LTE Band 7	B	QPSK BW = 20	50/0	21350	10	Rear	18.25	0.627	20.28	19.35
							10	Front	18.25	0.104	28.08	
							10	Left	18.25	0.031	33.34	
							10	Bottom	18.05	0.742	19.35	
							10	Right	18.25	0.074	29.56	
Bodyworn & Hotspot	1	LTE Band 7	E	QPSK BW = 20	50/0	21100	10	Rear	18.62	0.200	25.61	23.88
							10	Front	18.62	0.039	32.71	
							10	Top	18.62	0.298	23.88	
							10	Right	18.62	0.064	30.56	
Bodyworn & Hotspot	1	LTE Band 12	A	QPSK BW = 10	1/0	23095	10	Rear	24.20	0.270	29.89	28.75
							10	Front	24.20	0.165	32.03	
							10	Bottom	24.20	0.093	34.52	
							10	Right	24.20	0.299	29.44	
			A+B	QPSK BW = 10	1/0	23095	10	Rear	24.20	0.268	29.92	
							10	Front	24.20	0.143	32.65	
							10	Left	24.20	0.127	33.16	
							10	Bottom	24.20	0.129	33.09	
							10	Right	24.20	0.351	28.75	
Bodyworn & Hotspot	1	LTE Band 12	D	QPSK BW = 10	1/0	23095	10	Rear	24.41	0.226	30.87	30.34
							10	Front	24.41	0.084	35.17	
							10	Top	24.41	0.133	33.17	
							10	Right	24.41	0.255	30.34	

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}.

Body-worn & Hotspot exposure (DSI = 1)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Bodyworn & Hotspot	1	LTE Band 13	A	QPSK BW = 10	1/25	23230	10	Rear	24.87	0.303	30.06	29.21
							10	Front	24.87	0.133	33.63	
							10	Bottom	24.87	0.113	34.34	
							10	Right	24.87	0.345	29.49	
			A+B	QPSK BW = 10	1/25	23230	10	Rear	24.87	0.293	30.20	
							10	Front	24.87	0.114	34.30	
							10	Left	24.87	0.133	33.63	
							10	Bottom	24.87	0.102	34.78	
							10	Right	24.87	0.368	29.21	
Bodyworn & Hotspot	1	LTE Band 13	D	QPSK BW = 10	1/25	23230	10	Rear	24.60	0.130	33.46	33.05
							10	Front	24.60	0.055	37.20	
							10	Top	24.60	0.069	36.21	
							10	Right	24.60	0.143	33.05	
Bodyworn & Hotspot	1	LTE Band 14	A	QPSK BW = 10	1/0	23330	10	Rear	24.74	0.277	30.32	29.29
							10	Front	24.74	0.118	34.02	
							10	Bottom	24.74	0.089	35.25	
							10	Right	24.74	0.332	29.53	
			A+B	QPSK BW = 10	25/0	23330	10	Rear	23.75	0.239	29.97	
							10	Front	23.75	0.092	34.11	
							10	Left	23.75	0.113	33.22	
							10	Bottom	23.75	0.106	33.50	
							10	Right	23.75	0.279	29.29	
Bodyworn & Hotspot	1	LTE Band 14	D	QPSK BW = 10	1/0	23330	10	Rear	24.54	0.236	30.81	30.81
							10	Front	24.54	0.070	36.09	
							10	Top	24.54	0.116	33.90	
							10	Right	24.54	0.208	31.36	
Bodyworn & Hotspot	1	LTE Band 25(2)	B	QPSK BW = 20	50/24	26140	10	Rear	19.13	0.509	22.06	19.53
							10	Front	19.13	0.210	25.91	
							10	Left	19.13	0.089	29.65	
							10	Bottom	19.13	0.912	19.53	
							10	Right	19.13	0.180	26.58	
Bodyworn & Hotspot	1	LTE Band 25(2)	E	QPSK BW = 20	50/0	26140	10	Rear	19.63	0.378	23.86	22.74
							10	Front	19.63	0.099	29.67	
							10	Top	19.63	0.489	22.74	
							10	Right	19.63	0.073	31.00	
Bodyworn & Hotspot	1	LTE Band 26	A	QPSK BW = 15	1/0	26865	10	Rear	24.43	0.299	29.67	28.85
							10	Front	24.43	0.188	31.69	
							10	Bottom	24.43	0.109	34.06	
							10	Right	24.43	0.270	30.12	
			A+B	QPSK BW = 15	1/0	26865	10	Rear	24.43	0.361	28.85	
							10	Front	24.43	0.127	33.39	
							10	Left	24.43	0.126	33.43	
							10	Bottom	24.43	0.116	33.79	
							10	Right	24.43	0.264	30.21	
Bodyworn & Hotspot	1	LTE Band 26	D	QPSK BW = 15	1/0	26865	10	Rear	24.45	0.196	31.53	31.11
							10	Front	24.45	0.092	34.81	
							10	Top	24.45	0.132	33.24	
							10	Right	24.45	0.216	31.11	
Bodyworn & Hotspot	1	LTE Band 30	B	QPSK BW = 10	25/12	27710	10	Rear	18.11	0.488	21.23	18.25
							10	Front	18.11	0.229	24.51	
							10	Left	18.11	0.042	31.88	
							10	Bottom	18.11	0.968	18.25	
							10	Right	18.11	0.097	28.24	
Bodyworn & Hotspot	1	LTE Band 30	E	QPSK BW = 10	1/25	27710	10	Rear	20.84	0.359	25.29	23.71
							10	Front	20.84	0.200	27.83	
							10	Top	20.84	0.517	23.71	
							10	Left	20.84	0.064	32.78	
Bodyworn & Hotspot	1	LTE Band 66(4)	B	QPSK BW = 20	100/0	132572	10	Rear	19.07	0.558	21.60	19.63
							10	Front	19.07	0.237	25.32	
							10	Left	19.07	0.090	29.55	
							10	Bottom	19.10	0.885	19.63	
							10	Right	19.07	0.174	26.66	
Bodyworn & Hotspot	1	LTE Band 66(4)	E	QPSK BW = 20	50/50	132572	10	Rear	19.69	0.403	23.64	23.08
							10	Front	19.69	0.097	29.82	
							10	Top	19.69	0.458	23.08	
							10	Left	19.69	0.076	30.88	
Bodyworn & Hotspot	1	LTE Band 71	A	QPSK BW = 20	1/0	133297	10	Rear	24.25	0.224	30.75	27.10
							10	Front	24.25	0.105	34.04	
							10	Bottom	24.25	0.064	36.19	
							10	Right	24.25	0.231	30.61	
			A+B	QPSK BW = 20	1/0	133297	10	Rear	24.25	0.361	28.67	
							10	Front	24.25	0.184	31.60	
							10	Left	24.25	0.173	31.87	
							10	Bottom	24.25	0.214	30.95	
							10	Right	24.25	0.519	27.10	
Bodyworn & Hotspot	1	LTE Band 71	D	QPSK BW = 20	1/49	133297	10	Rear	24.25	0.290	29.63	29.63
							10	Front	24.25	0.083	35.06	
							10	Top	24.25	0.150	32.49	
							10	Right	24.25	0.274	29.87	

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}.

Body-worn & Hotspot exposure (DSI = 1)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	P_{limit} (dBm)	Minimum P_{limit} (dBm)
Bodyworn & Hotspot	1	LTE Band 41(38) PC3	B	QPSK BW = 20	50/0	41490	10	Rear	18.66	0.443	22.20	18.32
							10	Front	18.66	0.103	28.53	
							10	Left	18.66	0.042	32.43	
							10	Bottom	18.41	1.020	18.32	
							10	Right	18.66	0.034	33.35	
Bodyworn & Hotspot	1	LTE Band 41(38) PC3	E	QPSK BW = 20	1/0	41055	10	Rear	19.18	0.168	26.93	23.89
							10	Front	19.18	0.032	34.13	
							10	Top	19.18	0.338	23.89	
							10	Left	19.18	0.041	33.05	
Bodyworn & Hotspot	1	LTE Band 41(38) PC2	B	QPSK BW = 20	50/0	41490	10	Bottom	18.39	0.966	18.54	18.54
Bodyworn & Hotspot	1	LTE Band 41(38) PC2	E	QPSK BW = 20	1/1	41055	10	Top	19.41	0.338	24.12	24.12
Bodyworn & Hotspot	1	LTE Band 48	E	QPSK BW = 20	50/0	56640	10	Rear	17.92	0.312	22.98	22.23
							10	Front	17.92	0.058	30.29	
							10	Top	17.92	0.371	22.23	
							10	Left	17.92	0.054	30.60	
Bodyworn & Hotspot	1	NR Band n5	A	DFT-s OFDM QPSK BW= 20	50/28	167300	10	Rear	23.65	0.281	29.16	28.85
							10	Front	23.65	0.136	32.31	
							10	Bottom	23.65	0.150	31.89	
							10	Right	23.65	0.267	29.38	
			A+B	DFT-s OFDM QPSK BW= 20	1/52	167300	10	Rear	23.65	0.302	28.85	
							10	Front	23.65	0.119	32.89	
							10	Left	23.65	0.119	32.89	
							10	Bottom	23.65	0.141	32.16	
							10	Right	23.65	0.263	29.45	
Bodyworn & Hotspot	1	NR Band n5	D	DFT-s OFDM QPSK BW= 20	50/28	167300	10	Rear	23.63	0.241	29.81	29.81
							10	Front	23.63	0.083	34.44	
							10	Top	23.63	0.142	32.11	
							10	Right	23.63	0.211	30.39	
Bodyworn & Hotspot	1	NR Band n7	B	DFT-s OFDM QPSK BW=40	108/54	507000	10	Rear	18.17	0.440	21.74	20.47
							10	Front	18.17	0.087	28.77	
							10	Left	18.17	0.033	32.98	
							10	Bottom	18.17	0.589	20.47	
							10	Right	18.17	0.080	29.14	
Bodyworn & Hotspot	1	NR Band n7	E	DFT-s OFDM QPSK BW=40	108/54	507000	10	Rear	18.26	0.265	24.03	23.40
							10	Front	18.26	0.040	32.24	
							10	Top	18.26	0.306	23.40	
							10	Left	18.26	0.072	29.69	
Bodyworn & Hotspot	1	NR Band n12	A	DFT-s OFDM QPSK BW=15	36/21	141500	10	Rear	23.82	0.269	29.52	28.67
							10	Front	23.82	0.171	31.49	
							10	Bottom	23.82	0.090	34.28	
							10	Right	23.82	0.327	28.67	
			A+B	DFT-s OFDM QPSK BW=15	1/1	141500	10	Rear	23.85	0.271	29.52	
							10	Front	23.85	0.141	32.36	
							10	Left	23.85	0.125	32.88	
							10	Bottom	23.85	0.114	33.28	
							10	Right	23.85	0.292	29.20	
Bodyworn & Hotspot	1	NR Band n12	D	DFT-s OFDM QPSK BW=15	36/21	141500	10	Rear	23.67	0.159	31.66	30.55
							10	Front	23.67	0.068	35.34	
							10	Top	23.67	0.090	34.13	
							10	Right	23.67	0.205	30.55	
Bodyworn & Hotspot	1	NR Band n25(2)	B	DFT-s OFDM QPSK BW=40	1/1	376500	10	Rear	19.31	0.597	21.55	19.80
							10	Front	19.31	0.166	27.11	
							10	Left	19.31	0.089	29.82	
							10	Bottom	19.31	0.894	19.80	
							10	Right	19.31	0.186	26.61	
Bodyworn & Hotspot	1	NR Band n25(2)	E	DFT-s OFDM QPSK BW=40	1/1	376500	10	Rear	19.86	0.367	24.21	23.03
							10	Front	19.86	0.092	30.22	
							10	Top	19.86	0.482	23.03	
							10	Left	19.86	0.077	31.01	

Notes:

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3. Some bands were determined more conservative P_{limit} instead of calculation P_{limit}.

Body-worn & Hotspot exposure (DSI = 1)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Bodyworn & Hotspot	1	NR Band n26	A	DFT-s OFDM QPSK BW=20	50/28	166300	10	Rear	23.73	0.257	29.63	28.33
							10	Front	23.73	0.129	32.62	
							10	Bottom	23.73	0.127	32.69	
							10	Right	23.73	0.270	29.42	
			A+B	DFT-s OFDM QPSK BW=20	50/28	166300	10	Rear	23.73	0.347	28.33	
							10	Front	23.73	0.125	32.76	
							10	Left	23.73	0.121	32.90	
							10	Bottom	23.73	0.134	32.46	
							10	Right	23.73	0.286	29.17	
Bodyworn & Hotspot	1	NR Band n26	D	DFT-s OFDM QPSK BW=20	1/1	166300	10	Rear	23.81	0.204	30.71	30.71
							10	Front	23.81	0.078	34.89	
							10	Top	23.81	0.115	33.20	
							10	Right	23.81	0.144	32.23	
Bodyworn & Hotspot	1	NR Band n30	B	DFT-s OFDM QPSK BW=10	25/13	462000	10	Rear	18.28	0.462	21.63	19.67
							10	Front	18.28	0.139	26.85	
							10	Left	18.28	0.035	32.84	
							10	Bottom	18.28	0.726	19.67	
							10	Right	18.28	0.091	28.69	
Bodyworn & Hotspot	1	NR Band n30	E	DFT-s OFDM QPSK BW=10	1/1	462000	10	Rear	20.68	0.332	25.47	23.89
							10	Front	20.68	0.171	28.35	
							10	Top	20.68	0.478	23.89	
							10	Left	20.68	0.063	32.69	
Bodyworn & Hotspot	1	NR Band n66	B	DFT-s OFDM QPSK BW=40	108/54	349000	10	Rear	18.84	0.546	21.47	19.38
							10	Front	18.84	0.226	25.30	
							10	Left	18.84	0.090	29.32	
							10	Bottom	18.84	0.883	19.38	
							10	Right	18.84	0.165	26.67	
Bodyworn & Hotspot	1	NR Band n66	E	DFT-s OFDM QPSK BW=40	108/54	349000	10	Rear	19.45	0.331	24.25	22.42
							10	Front	19.45	0.084	30.21	
							10	Top	19.45	0.505	22.42	
							10	Left	19.45	0.076	30.64	
Bodyworn & Hotspot	1	NR Band n70	B	DFT-s OFDM QPSK BW=15	1/1	340500	10	Rear	19.76	0.527	22.54	22.12
							10	Front	19.76	0.171	27.43	
							10	Left	19.76	0.065	31.64	
							10	Bottom	19.76	0.581	22.12	
							10	Right	19.76	0.121	28.93	
Bodyworn & Hotspot	1	NR Band n70	E	DFT-s OFDM QPSK BW=15	36/21	340500	10	Rear	20.78	0.525	23.58	23.38
							10	Front	20.78	0.103	30.65	
							10	Top	20.78	0.549	23.38	
							10	Left	20.78	0.067	32.52	
Bodyworn & Hotspot	1	NR Band n71	A	DFT-s OFDM QPSK BW=20	50/28	136100	10	Rear	24.04	0.246	30.13	28.12
							10	Front	24.04	0.149	32.31	
							10	Bottom	24.04	0.170	31.74	
							10	Right	24.04	0.341	28.71	
			A+B	DFT-s OFDM QPSK BW=20	50/28	136100	10	Rear	24.04	0.248	30.10	
							10	Front	24.04	0.126	33.04	
							10	Left	24.04	0.122	33.18	
							10	Bottom	24.04	0.186	31.34	
							10	Right	24.04	0.391	28.12	
Bodyworn & Hotspot	1	NR Band n71	D	DFT-s OFDM QPSK BW=20	50/28	136100	10	Rear	24.11	0.197	31.17	30.69
							10	Front	24.11	0.072	35.54	
							10	Top	24.11	0.140	32.65	
							10	Right	24.11	0.220	30.69	
Bodyworn & Hotspot	1	NR Band n41(38) PC2 Main	E	DFT-s OFDM QPSK BW=100	135/69	518598	10	Rear	19.65	0.212	26.39	26.05
							10	Front	19.65	0.031	34.74	
							10	Top	19.65	0.229	26.05	
							10	Left	19.65	0.048	32.87	
Bodyworn & Hotspot	1	NR Band n41 PC2 -SRS2-	G	CW	1/1	518598	10	Rear	12.23	0.011	31.94	31.94
							10	Front	12.23	0.000	52.23	
							10	Right	12.23	0.008	33.38	
Bodyworn & Hotspot	1	NR Band n41(38) switching PC2 Main	B	CW	1/1	518598	10	Rear	18.88	0.571	21.31	19.36
							10	Front	18.88	0.102	28.79	
							10	Left	18.88	0.034	33.57	
							10	Bottom	18.88	0.895	19.36	
							10	Right	18.88	0.093	29.18	
Bodyworn & Hotspot	1	NR Band n41 switching PC2 -SRS2-	C	CW	1/1	518598	10	Rear	11.85	0.053	24.59	23.57
							10	Front	11.85	0.000	51.85	
							10	Left	11.85	0.000	51.85	
							10	Bottom	11.85	0.067	23.57	

Notes:

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Body-worn & Hotspot exposure (DSI = 1)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Bodyworn & Hotspot	1	NR Band n48 Main	E	DFT-s OFDM QPSK BW=40	1/1	638000	10	Rear	17.74	0.256	23.66	22.39
							10	Front	17.74	0.040	31.73	
							10	Top	17.74	0.343	22.39	
							10	Left	17.74	0.041	31.63	
Bodyworn & Hotspot	1	NR Band n48 -SRS1-	C	CW	1/1	638000	10	Rear	14.63	0.18	22.15	22.15
							10	Front	14.63	0.005	37.64	
							10	Left	14.63	0.077	25.77	
							10	Bottom	14.63	0.106	24.38	
Bodyworn & Hotspot	1	NR Band n48 -SRS2-	F	CW	1/1	641666	10	Rear	14.41	0.174	22.00	22.00
							10	Front	14.41	0.022	30.99	
							10	Top	14.41	0.122	23.55	
							10	Left	14.41	0.006	36.63	
							10	Right	14.41	0.028	29.94	
Bodyworn & Hotspot	1	NR Band n48 -SRS3-	A	CW	1/1	638000	10	Rear	14.22	0.065	26.09	24.82
							10	Front	14.22	0.011	33.81	
							10	Bottom	14.22	0.042	27.99	
							10	Right	14.22	0.087	24.82	
Bodyworn & Hotspot	1	NR Band n77 PC2 -SRS0-	E	DFT-s OFDM QPSK BW=100	1/1	662000	10	Rear	17.41	0.243	23.55	20.76
							10	Front	17.41	0.034	32.10	
							10	Top	17.41	0.462	20.76	
							10	Left	17.41	0.062	29.49	
Bodyworn & Hotspot	1	NR Band n77 PC2 -SRS1-	C	CW	1/1	662000	10	Rear	13.68	0.125	22.71	20.87
							10	Front	13.68	0.000	53.68	
							10	Left	13.68	0.000	53.68	
							10	Bottom	13.68	0.191	20.87	
Bodyworn & Hotspot	1	NR Band n77 PC2 -SRS2-	F	CW	1/1	662000	10	Rear	14.55	0.235	20.84	20.84
							10	Front	14.55	0.024	30.75	
							10	Top	14.55	0.114	23.98	
							10	Left	14.55	0.006	36.77	
							10	Right	14.55	0.023	30.93	
Bodyworn & Hotspot	1	NR Band n77 PC2 -SRS3-	A	CW	1/1	650000	10	Rear	14.42	0.167	22.19	22.19
							10	Front	14.42	0.013	33.28	
							10	Bottom	14.42	0.166	22.22	
							10	Right	14.42	0.088	24.98	

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}.

Body-worn & Hotspot exposure (DSI = 1)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Bodyworn & Hotspot	1	DTS SISO Ant. 1	G	802.11b 1Mbps		6	10	Rear	17.17	0.160	25.13	25.13
							10	Front	17.17	0.062	29.25	
							10	Right	17.17	0.127	26.13	
Bodyworn & Hotspot	1	DTS SISO Ant. 2	F	802.11b 1Mbps		1	10	Rear	17.41	0.402	21.37	20.28
							10	Front	17.41	0.076	28.60	
							10	Top	17.41	0.516	20.28	
							10	Left	17.41	0.025	33.43	
							10	Right	17.41	0.056	29.93	
Bodyworn & Hotspot	1	DTS MIMO	G+F	802.11b 1Mbps		1	10	Rear	17.47	0.470	20.75	19.69
							10	Front	17.47	0.126	26.47	
							10	Top	17.47	0.600	19.69	
							10	Left	17.47	0.049	30.57	
							10	Right	16.95	0.083	27.76	
Bodyworn & Hotspot	1	UNII-2A SISO Ant. 1	G	802.11n (HT40)		54	10	Rear	17.13	0.121	26.30	26.30
Bodyworn & Hotspot	1	UNII-2A SISO Ant. 2	D	802.11n (HT40)		54	10	Rear	17.70	0.165	25.53	25.53
Bodyworn & Hotspot	1	UNII-2A MIMO	G+D	802.11n (HT40)		54	10	Rear	17.52	0.226	23.98	23.98
Bodyworn & Hotspot	1	UNII-2C SISO Ant. 1	G	802.11ac (VHT80)		122	10	Rear	16.90	0.311	21.97	21.97
							10	Front	16.90	0.044	30.47	
Bodyworn & Hotspot	1	UNII-2C SISO Ant. 2	D	802.11ac (VHT80)		122	10	Rear	17.24	0.331	22.04	22.04
							10	Front	17.24	0.028	32.77	
Bodyworn & Hotspot	1	UNII-2C MIMO	G+D	802.11ac (VHT80)		122	10	Rear	17.02	0.441	20.58	20.58
							10	Front	17.02	0.058	29.39	
Bodyworn & Hotspot	1	UNII-3 SISO Ant. 1	G	802.11ac (VHT80)		155	10	Rear	16.68	0.131	25.51	25.51
Bodyworn & Hotspot	1	UNII-3 SISO Ant. 2	D	802.11ac (VHT80)		155	10	Rear	17.05	0.207	23.89	23.89
Bodyworn & Hotspot	1	UNII-3 MIMO	G+D	802.11ac (VHT80)		155	10	Rear	17.04	0.242	23.20	23.20
Bodyworn & Hotspot	1	UNII-4 SISO Ant. 1	G	802.11ac (VHT80)		171	10	Rear	16.60	0.147	24.93	24.93
Bodyworn & Hotspot		UNII-4 SISO Ant. 2	D	802.11ac (VHT80)		171	10	Rear	16.82	0.218	23.44	23.44
Bodyworn & Hotspot	1	UNII-4 MIMO	G+D	802.11ac (VHT80)		171	10	Rear	16.72	0.287	22.14	22.14
Bodyworn & Hotspot	1	WiFi 6E SISO Ant. 1	G	802.11ax (HE160)		79	10	Rear	12.40	0.102	22.31	22.31
Bodyworn & Hotspot	1	WiFi 6E SISO Ant. 2	D	802.11ax (HE160)		143	10	Rear	12.50	0.257	18.40	18.40
Bodyworn & Hotspot	1	WiFi 6E MIMO	G+D	802.11ax (HE160)		207	10	Rear	12.95	0.199	19.96	19.96
Bodyworn & Hotspot	1	Bluetooth Ant. 1	G	LE 1M 255pkt		0	10	Rear	19.01	0.067	30.75	28.36
							10	Front	19.01	0.010	39.01	
							10	Right	19.01	0.116	28.36	
Bodyworn & Hotspot	1	Bluetooth Ant. 2	F	LE 1M 255pkt		19	10	Rear	19.07	0.289	24.46	22.92
							10	Front	19.07	0.042	32.84	
							10	Top	19.07	0.412	22.92	
							10	Left	19.07	0.007	40.62	
Bodyworn & Hotspot	1	Bluetooth MIMO	G+F	GFSK DH5		39	10	Rear	14.90	0.108	24.57	23.73
							10	Front	14.90	0.011	34.49	
							10	Top	14.90	0.131	23.73	
							10	Left	14.90	0.014	33.44	
							10	Right	14.90	0.050	27.91	

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}.

Product Specific 10-g exposure (DSI = 1)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 10g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Product Specific-10g	1	GSM 850	A	GPRS 2 Slots		190	0	Rear	24.89	0.831	29.67	27.57
							0	Front	24.89	1.350	27.57	
			A+B	GPRS 2 Slots		190	0	Bottom	24.89	0.934	29.17	
							0	Right	24.89	0.815	29.76	
Bodyworn & Hotspot	1	GSM 850	D	GPRS 2 Slots		190	0	Top	24.66	0.841	29.39	29.38
							0	Right	24.66	0.844	29.38	
Bodyworn & Hotspot	1	GSM 1900	B	GPRS 4 Slots		661	0	Rear	17.85	0.981	21.91	21.91
							0	Bottom	17.85	0.879	22.39	
Bodyworn & Hotspot	1	WCDMA 2	B	Rel 99		9400	0	Rear	19.37	2.020	20.30	20.30
							0	Bottom	19.37	1.680	21.10	
Bodyworn & Hotspot	1	WCDMA 4	B	Rel 99		1413	0	Rear	19.07	1.890	20.28	19.21
							0	Front	19.07	0.533	25.78	
							0	Left	19.07	0.131	31.88	
							0	Bottom	19.07	2.420	19.21	
							0	Right	19.07	0.365	27.43	
Bodyworn & Hotspot	1	WCDMA 5	A	Rel 99		4183	0	Rear	24.49	1.360	27.13	26.04
							0	Right	24.49	1.750	26.04	
			A+B	Rel 99		4183	0	Rear	24.49	1.350	27.17	
							0	Front	24.49	0.256	34.39	
							0	Left	24.49	0.036	42.91	
							0	Bottom	24.49	0.267	34.20	
							0	Right	24.49	1.050	28.26	
Bodyworn & Hotspot	1	WCDMA 5	D	Rel 99		4183	0	Top	24.46	0.774	29.55	29.53
							0	Right	24.46	0.778	29.53	
Bodyworn & Hotspot	1	LTE Band 5	A	QPSK BW = 10	1/25	20525	0	Rear	24.56	1.280	27.47	27.47
							0	Front	24.56	0.240	34.74	
							0	Bottom	24.56	1.030	28.41	
							0	Right	24.56	1.270	27.50	
			A+B	QPSK BW = 10	1/25	20525	0	Rear	24.56	0.876	29.11	
							0	Front	24.56	0.246	34.63	
							0	Left	24.56	0.063	40.55	
							0	Bottom	24.56	1.110	28.09	
							0	Right	24.56	1.010	28.50	
Bodyworn & Hotspot	1	LTE Band 5	D	QPSK BW = 10	1/25	20525	0	Rear	24.61	0.569	31.04	29.45
							0	Front	24.61	0.165	36.41	
							0	Top	24.61	0.820	29.45	
							0	Right	24.61	0.765	29.75	
Bodyworn & Hotspot	1	LTE Band 7	B	QPSK BW = 20	1/0	21100	0	Rear	18.20	1.760	19.72	19.00
							0	Front	18.20	0.240	28.38	
							0	Left	18.20	0.078	33.26	
							0	Bottom	18.20	2.080	19.00	
							0	Right	18.20	0.157	30.22	
Bodyworn & Hotspot	1	LTE Band 7	E	QPSK BW = 20	1/99	21100	0	Rear	18.54	0.991	22.56	19.66
							0	Front	18.54	0.124	31.59	
							0	Top	18.54	1.930	19.66	
							0	Left	18.54	0.161	30.45	
Bodyworn & Hotspot	1	LTE Band 12	A	QPSK BW = 10	1/0	23095	0	Rear	24.20	1.020	28.09	27.69
							0	Front	24.20	0.254	34.13	
							0	Bottom	24.20	0.982	28.26	
							0	Right	24.20	0.996	28.20	
			A+B	QPSK BW = 10	1/0	23095	0	Rear	24.20	0.843	28.92	
							0	Front	24.20	0.239	34.40	
							0	Left	24.20	0.046	41.55	
							0	Bottom	24.20	0.961	28.35	
							0	Right	24.20	1.120	27.69	
Bodyworn & Hotspot	1	LTE Band 12	D	QPSK BW = 10	1/0	23095	0	Rear	24.41	0.421	32.15	27.46
							0	Front	24.41	0.208	35.21	
							0	Top	24.41	0.961	28.56	
							0	Right	24.41	1.240	27.46	

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}.

Product Specific 10-g exposure (DSI = 1)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 10g (W/kg)	P_{limit} (dBm)	Minimum P_{limit} (dBm)
Bodyworn & Hotspot	1	LTE Band 13	A	QPSK BW = 10	1/25	23230	0	Rear	24.87	0.947	29.09	27.99
							0	Right	24.87	0.939	29.12	
			A+B	QPSK BW = 10	1/25	23230	0	Bottom	24.87	1.050	28.64	
							0	Right	24.87	1.220	27.99	
Bodyworn & Hotspot	1	LTE Band 13	D	QPSK BW = 10	1/25	23230	0	Top	24.60	0.733	29.93	28.77
							0	Right	24.60	0.956	28.77	
Bodyworn & Hotspot	1	LTE Band 14	A	QPSK BW = 10	1/0	23330	0	Rear	24.74	1.090	28.35	27.23
							0	Right	24.74	1.110	28.27	
			A+B	QPSK BW = 10	1/0	23330	0	Bottom	24.74	1.070	28.43	
							0	Right	24.74	1.410	27.23	
Bodyworn & Hotspot	1	LTE Band 14	D	QPSK BW = 10	1/0	23330	0	Top	24.54	0.664	30.30	29.06
							0	Right	24.54	0.883	29.06	
Bodyworn & Hotspot	1	LTE Band 25(2)	B	QPSK BW = 20	1/0	26140	0	Rear	19.09	1.870	20.35	20.30
							0	Front	19.09	0.511	25.99	
							0	Left	19.09	0.142	31.55	
							0	Bottom	19.09	1.890	20.30	
							0	Right	19.09	0.538	25.76	
Bodyworn & Hotspot	1	LTE Band 25(2)	E	QPSK BW = 20	1/0	26140	0	Rear	19.56	0.774	24.65	22.08
							0	Front	19.56	0.258	29.42	
							0	Top	19.56	1.400	22.08	
							0	Left	19.56	0.147	31.87	
Bodyworn & Hotspot	1	LTE Band 26	A	QPSK BW = 15	1/0	26865	0	Rear	24.43	1.330	27.17	26.51
							0	Front	24.43	0.177	35.93	
							0	Bottom	24.43	0.787	29.45	
							0	Right	24.43	1.365	27.06	
			A+B	QPSK BW = 15	1/0	26865	0	Rear	24.43	1.110	27.96	
							0	Front	24.43	0.184	35.76	
							0	Left	24.43	0.061	40.53	
							0	Bottom	24.43	1.130	27.88	
							0	Right	24.43	1.550	26.51	
Bodyworn & Hotspot	1	LTE Band 26	D	QPSK BW = 15	1/0	26865	0	Rear	24.45	0.543	31.08	29.23
							0	Front	24.45	0.159	36.42	
							0	Top	24.45	0.832	29.23	
							0	Right	24.45	0.803	29.38	
Bodyworn & Hotspot	1	LTE Band 30	B	QPSK BW = 10	1/25	27710	0	Rear	18.13	0.922	22.46	18.44
							0	Front	18.13	0.596	24.36	
							0	Left	18.13	0.125	31.14	
							0	Bottom	18.13	2.330	18.44	
							0	Right	18.13	0.156	30.18	
Bodyworn & Hotspot	1	LTE Band 30	E	QPSK BW = 10	1/25	27710	0	Rear	20.79	0.536	27.48	22.29
							0	Front	20.79	0.335	29.52	
							0	Top	20.79	1.770	22.29	
							0	Left	20.79	0.200	31.76	
Bodyworn & Hotspot	1	LTE Band 66(4)	B	QPSK BW = 20	1/0	132572	0	Rear	19.07	1.690	20.77	19.23
							0	Front	19.07	0.602	25.25	
							0	Left	19.07	0.144	31.47	
							0	Bottom	19.07	2.410	19.23	
							0	Right	19.07	0.363	27.45	
Bodyworn & Hotspot	1	LTE Band 66(4)	E	QPSK BW = 20	1/99	132572	0	Rear	19.73	0.817	24.59	22.13
							0	Front	19.73	0.267	29.44	
							0	Top	19.73	1.440	22.13	
							0	Left	19.73	0.153	31.86	

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}.

Product Specific 10-g exposure (DSI = 1)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 10g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Bodyworn & Hotspot	1	LTE Band 71	A	QPSK BW = 20	1/0	133297	0	Rear	24.25	0.859	28.89	25.90
							0	Right	24.25	1.280	27.16	
			A+B	QPSK BW = 20	1/0	133297	0	Bottom	24.25	1.440	26.65	
							0	Right	24.25	1.710	25.90	
Bodyworn & Hotspot	1	LTE Band 71	D	QPSK BW = 20	1/49	133297	0	Top	24.25	1.120	27.74	26.62
							0	Right	24.25	1.450	26.62	
Bodyworn & Hotspot	1	LTE Band 41(38) PC2	B	QPSK BW = 20	50/0	41055	0	Rear	18.66	0.994	22.67	18.97
							0	Bottom	18.66	2.330	18.97	
Bodyworn & Hotspot	1	LTE Band 41(38) PC2	E	QPSK BW = 20	1/0	41055	0	Rear	19.18	0.387	27.28	20.61
							0	Top	19.18	1.800	20.61	
Bodyworn & Hotspot	1	LTE Band 41(38) PC2	B	QPSK BW = 20	50/0	41055	0	Rear	18.39	2.100	19.15	19.15
Bodyworn & Hotspot	1	LTE Band 41(38) PC2	E	QPSK BW = 20	1/0	41055	0	Rear	19.41	1.460	21.75	21.75
Bodyworn & Hotspot	1	LTE Band 48	E	QPSK BW = 20	1/0	56640	0	Rear	17.82	0.466	25.12	19.06
							0	Front	17.82	0.211	28.56	
							0	Top	17.82	1.880	19.06	
							0	Left	17.82	0.164	29.65	
Bodyworn & Hotspot	1	NR Band n5	A	DFT-s OFDM QPSK BW= 20	1/52	167300	0	Rear	23.65	1.020	27.54	25.75
							0	Front	23.65	1.540	25.75	
			A+B	DFT-s OFDM QPSK BW= 20	1/52	167300	0	Bottom	23.65	1.220	26.77	
							0	Right	23.65	1.480	25.93	
Bodyworn & Hotspot	1	NR Band n5	D	DFT-s OFDM QPSK BW= 20	1/1	167300	0	Top	23.72	0.883	28.24	28.24
							0	Right	23.72	0.799	28.67	
Bodyworn & Hotspot	1	NR Band n7	B	DFT-s OFDM QPSK BW=40	1/1	507000	0	Rear	18.15	0.679	23.81	18.87
							0	Bottom	18.15	2.120	18.87	
Bodyworn & Hotspot	1	NR Band n7	E	DFT-s OFDM QPSK BW=40	1/214	507000	0	Rear	18.31	0.706	23.80	19.05
							0	Top	18.31	2.110	19.05	
Bodyworn & Hotspot	1	NR Band n12	A	DFT-s OFDM QPSK BW=15	1/1	141500	0	Rear	23.85	0.366	32.19	26.56
							0	Right	23.85	1.180	27.11	
			A+B	DFT-s OFDM QPSK BW=15	1/1	141500	0	Bottom	23.85	1.070	27.54	
							0	Right	23.85	1.340	26.56	
Bodyworn & Hotspot	1	NR Band n12	D	DFT-s OFDM QPSK BW=15	1/1	141500	0	Top	23.62	0.746	28.87	27.56
							0	Right	23.62	1.010	27.56	
Bodyworn & Hotspot	1	NR Band n25(2)	B	DFT-s OFDM QPSK BW=40	1/1	376500	0	Rear	19.31	1.730	20.91	20.91
							0	Front	19.31	0.449	26.77	
							0	Left	19.31	0.147	31.62	
							0	Bottom	19.31	1.620	21.19	
							0	Right	19.31	0.477	26.50	
Bodyworn & Hotspot	1	NR Band n25(2)	E	DFT-s OFDM QPSK BW=40	1/1	376500	0	Rear	19.86	1.040	23.67	22.32
							0	Top	19.86	1.420	22.32	
Bodyworn & Hotspot	1	NR Band n26	A	DFT-s OFDM QPSK BW=20	1/52	166300	0	Rear	23.85	1.010	27.79	26.01
							0	Right	23.85	1.520	26.01	
			A+B	DFT-s OFDM QPSK BW=20	1/52	166300	0	Bottom	23.85	0.883	28.37	
							0	Right	23.85	1.290	26.72	
Bodyworn & Hotspot	1	NR Band n26	D	DFT-s OFDM QPSK BW=20	50/28	166300	0	Top	23.68	0.521	30.49	29.69
							0	Right	23.68	0.626	29.69	
Bodyworn & Hotspot	1	NR Band n30	B	DFT-s OFDM QPSK BW=10	1/1	462000	0	Rear	18.30	1.400	20.82	19.87
							0	Bottom	18.30	1.740	19.87	
Bodyworn & Hotspot	1	NR Band n30	E	DFT-s OFDM QPSK BW=10	1/1	462000	0	Rear	20.68	0.610	26.81	22.20
							0	Top	20.68	1.760	22.20	
Bodyworn & Hotspot	1	NR Band n66	B	DFT-s OFDM QPSK BW=40	1/1	349000	0	Rear	18.91	1.630	20.77	19.25
							0	Bottom	18.91	2.310	19.25	
Bodyworn & Hotspot	1	NR Band n66	E	DFT-s OFDM QPSK BW=40	1/214	349000	0	Rear	19.72	0.641	25.63	21.58
							0	Top	19.72	1.630	21.58	

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}.

Product Specific 10-g exposure (DSI = 1)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 10g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Bodyworn & Hotspot	1	NR Band n70	B	DFT-s OFDM QPSK BW=15	1/1	340500	0	Rear	19.76	1.230	22.84	21.46
							0	Bottom	19.76	1.690	21.46	
Bodyworn & Hotspot	1	NR Band n70	E	DFT-s OFDM QPSK BW=15	36/21	340500	0	Rear	20.78	0.749	26.01	22.16
							0	Top	20.78	1.820	22.16	
Bodyworn & Hotspot	1	NR Band n71	A	DFT-s OFDM QPSK BW=20	1/52	136100	0	Rear	23.96	0.653	29.79	26.36
							0	Right	23.96	1.440	26.36	
			A+B	DFT-s OFDM QPSK BW=20	1/52	136100	0	Bottom	23.96	1.200	27.15	
							0	Right	23.96	1.370	26.57	
Bodyworn & Hotspot	1	NR Band n71	D	DFT-s OFDM QPSK BW=20	1/52	136100	0	Top	24.07	0.879	28.61	27.37
							0	Right	24.07	1.170	27.37	
Bodyworn & Hotspot	1	NR Band n41(38) PC2 Main	E	DFT-s OFDM QPSK BW=100	1/135	518598	0	Rear	19.67	0.725	25.05	19.90
							0	Top	19.67	2.370	19.90	
Bodyworn & Hotspot	1	NR Band n41 PC2 -SRS2-	G	CW	1/1	518598	0	Rear	12.23	0.052	29.08	25.07
							0	Front	12.23	0.000	56.21	
							0	Right	12.23	0.130	25.07	
Bodyworn & Hotspot	1	NR Band n41(38) switching PC2	B	CW	1/1	518598	0	Rear	18.88	2.300	19.24	18.66
							0	Bottom	18.88	2.630	18.66	
Bodyworn & Hotspot	1	NR Band n41 switching PC2 -SRS2-	C	CW	1/1	518598	0	Rear	11.85	0.595	18.08	16.32
							0	Front	11.85	0.036	30.31	
							0	Left	11.85	0.013	34.69	
							0	Bottom	11.85	0.893	16.32	
Bodyworn & Hotspot	1	NR Band n48 Main	E	DFT-s OFDM QPSK BW=40	1/1	638000	0	Rear	17.74	0.296	27.01	18.05
							0	Front	17.74	0.155	29.82	
							0	Top	17.74	2.330	18.05	
							0	Left	17.74	0.109	31.35	
Bodyworn & Hotspot	1	NR Band n48 -SRS1-	C	CW	1/1	638000	0	Rear	14.63	0.939	18.88	18.88
							0	Front	14.63	0.070	30.16	
							0	Left	14.63	0.048	31.80	
							0	Bottom	14.63	0.831	19.41	
Bodyworn & Hotspot	1	NR Band n48 -SRS2-	F	CW	1/1	641666	0	Rear	14.41	0.291	23.75	20.98
							0	Front	14.41	0.041	32.26	
							0	Top	14.41	0.551	20.98	
							0	Left	14.41	0.010	38.39	
							0	Right	14.41	0.043	32.05	
Bodyworn & Hotspot	1	NR Band n48 -SRS3-	A	CW	1/1	638000	0	Rear	14.22	0.325	23.08	20.99
							0	Front	14.22	0.091	28.61	
							0	Bottom	14.22	0.454	21.63	
							0	Right	14.22	0.526	20.99	
Bodyworn & Hotspot	1	NR Band n77 PC2 -SRS0-	E	DFT-s OFDM QPSK BW=100	1/1	633334	0	Rear	17.41	0.573	23.81	18.45
							0	Top	17.67	2.090	18.45	
							0	Left	17.41	0.142	29.87	
Bodyworn & Hotspot	1	NR Band n77 PC2 -SRS1-	C	CW	1/1	633334	0	Rear	13.68	0.626	19.69	18.12
							0	Front	13.68	0.092	28.02	
							0	Left	13.68	0.034	32.34	
							0	Bottom	14.63	1.120	18.12	
Bodyworn & Hotspot	1	NR Band n77 PC2 -SRS2-	F	CW	1/1	662000	0	Rear	14.55	0.510	21.45	19.85
							0	Front	14.55	0.032	33.48	
							0	Top	14.55	0.738	19.85	
							0	Left	14.55	0.022	35.11	
							0	Right	14.55	0.036	32.97	
Bodyworn & Hotspot	1	NR Band n77 PC2 -SRS3-	A	CW	1/1	650000	0	Rear	14.42	0.580	20.77	19.29
							0	Front	14.42	0.053	31.17	
							0	Bottom	14.42	0.815	19.29	
							0	Right	14.42	0.418	22.19	

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}.

Product Specific 10-g exposure (DSI = 1)

RF Exposure Conditions	DSI	band	Antenna	mode	RB	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 10g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Bodyworn & Hotspot	1	DTS SISO Ant. 1	G	802.11b 1Mbps		6	0	Rear	17.17	0.378	25.37	23.46
							0	Right	17.17	0.588	23.46	
Bodyworn & Hotspot	1	DTS SISO Ant. 2	F	802.11b 1Mbps		1	0	Rear	17.41	0.773	22.51	17.79
							0	Top	17.41	2.290	17.79	
Bodyworn & Hotspot	1	DTS MIMO	G+F	802.11b 1Mbps		1	0	Rear	17.47	0.378	25.67	17.32
							0	Top	17.47	2.590	17.32	
Bodyworn & Hotspot	1	UNII-2A SISO Ant. 1	G	802.11n (HT40)		54	0	Right	17.13	0.889	21.62	21.62
Bodyworn & Hotspot	1	UNII-2A SISO Ant. 2	D	802.11n (HT40)		54	0	Top	17.70	0.688	23.30	23.30
Bodyworn & Hotspot	1	UNII-2A MIMO	G+D	802.11n (HT40)		54	0	Right	17.23	1.120	20.72	20.72
Bodyworn & Hotspot	1	UNII-2C SISO Ant. 1	G	802.11ac (VHT80)		122	0	Right	16.90	0.863	21.52	21.52
Bodyworn & Hotspot	1	UNII-2C SISO Ant. 2	D	802.11ac (VHT80)		122	0	Top	17.24	0.879	21.78	21.78
Bodyworn & Hotspot	1	UNII-2C MIMO	G+D	802.11ac (VHT80)		122	0	Top	17.21	1.010	21.15	21.15
Bodyworn & Hotspot	1	UNII-3 SISO Ant. 1	G	802.11ac (VHT80)		155	0	Rear	16.68	0.298	25.92	25.92
Bodyworn & Hotspot	1	UNII-3 SISO Ant. 2	D	802.11ac (VHT80)		155	0	Rear	17.05	0.271	26.70	26.70
Bodyworn & Hotspot	1	UNII-3 MIMO	G+D	802.11ac (VHT80)		155	0	Rear	17.04	0.344	25.65	25.65
Bodyworn & Hotspot	1	UNII-4 SISO Ant. 1	G	802.11ac (VHT80)		171	0	Right	16.60	0.845	21.31	21.31
Bodyworn & Hotspot		UNII-4 SISO Ant. 2	D	802.11ac (VHT80)		171	0	Top	16.82	0.689	22.42	22.42
Bodyworn & Hotspot	1	UNII-4 MIMO	G+D	802.11ac (VHT80)		171	0	Right	16.78	0.839	21.52	21.52
Bodyworn & Hotspot	1	WiFi 6E SISO Ant. 1	G	802.11ax (HE160)		79	0	Right	12.40	0.280	21.91	21.91
Bodyworn & Hotspot	1	WiFi 6E SISO Ant. 2	D	802.11ax (HE160)			0	Rear	12.50	0.201	23.45	23.45
Bodyworn & Hotspot	1	WiFi 6E MIMO	G+D	802.11ax (HE160)		207	0	Rear	12.95	0.273	22.57	22.57
Bodyworn & Hotspot	1	Bluetooth Ant. 1	G	LE 1M 255pkt		0	0	Rear	19.01	0.331	27.79	25.70
							0	Front	19.01	0.047	36.27	
							0	Right	19.01	0.535	25.70	
Bodyworn & Hotspot	1	Bluetooth Ant. 2	F	LE 1M 255pkt		19	0	Rear	19.07	0.573	25.47	20.17
							0	Front	19.07	0.089	33.56	
							0	Top	19.07	1.940	20.17	
							0	Left	19.07	0.032	38.00	
							0	Right	19.07	0.067	34.79	
Bodyworn & Hotspot	1	Bluetooth MIMO	G+F	GFSK DH5		39	0	Rear	14.90	0.264	24.66	20.87
							0	Front	14.90	0.067	30.62	
							0	Top	14.90	0.632	20.87	
							0	Left	14.90	0.021	35.66	
							0	Right	14.90	0.232	25.23	

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}.

UMPC Body-1g Exposure (DSI = 0)

RF Exposure Conditions	DSI	band	Antenna	mode	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Body	0	GSM 850	A+B	GPRS 2 Slots	190	10	Rear	24.89	0.548	27.50	27.50
						10	Front	24.89	0.380	29.09	
						10	Bottom	24.89	0.150	33.13	
						10	Right	24.89	0.380	29.09	
Body	0	GSM 850	D	GPRS 2 Slots	190	10	Rear	24.66	0.312	29.72	29.72
						10	Front	24.66	0.289	30.05	
						10	Top	24.66	0.167	32.43	
						10	Right	24.66	0.165	32.48	
Body	0	GSM 1900	B	GPRS 4 Slots	661	10	Rear	17.98	0.547	20.60	20.33
						10	Front	17.98	0.219	24.58	
						10	Bottom	17.98	0.582	20.33	
						10	Right	17.98	0.177	25.50	
Body	0	WCDMA 2	B	Rel 99	9400	10	Rear	19.37	0.674	21.08	19.89
						10	Front	19.37	0.342	24.03	
						10	Bottom	19.37	0.888	19.89	
						10	Right	19.37	0.227	25.81	
Body	0	WCDMA 4	B	Rel 99	1413	10	Rear	19.07	0.410	22.94	20.64
						10	Front	19.07	0.294	24.39	
						10	Bottom	19.07	0.697	20.64	
						10	Right	19.07	0.164	26.92	
Body	0	WCDMA 5	A+B	Rel 99	4183	10	Rear	24.49	0.599	26.72	26.72
						10	Front	24.49	0.435	28.11	
						10	Bottom	24.49	0.176	32.03	
						10	Right	24.49	0.450	27.96	
Body	0	WCDMA 5	D	Rel 99	4183	10	Rear	24.46	0.428	28.15	28.15
						10	Front	24.46	0.274	30.08	
						10	Top	24.46	0.196	31.54	
						10	Right	24.46	0.235	30.75	
Body	0	LTE Band 5	A+B	QPSK BW = 10 RB 1/25	20525	10	Rear	24.56	0.595	26.81	26.81
						10	Front	24.56	0.465	27.89	
						10	Bottom	24.56	0.177	32.08	
						10	Right	24.56	0.329	29.39	
Body	0	LTE Band 5	D	QPSK BW = 10 RB 1/25	20525	10	Rear	24.61	0.424	28.34	28.34
						10	Front	24.61	0.287	30.03	
						10	Top	24.61	0.146	32.97	
						10	Right	24.61	0.222	31.15	
Body	0	LTE Band 7	B	QPSK BW = 20 RB 50/0	21100	10	Rear	18.25	0.582	20.60	19.48
						10	Front	18.25	0.288	23.66	
						10	Bottom	18.25	0.754	19.48	
						10	Right	18.25	0.092	28.61	
Body	0	LTE Band 7	E	QPSK BW = 20 RB 1/99	21100	10	Rear	18.54	0.314	23.57	21.20
						10	Front	18.54	0.164	26.39	
						10	Top	18.54	0.542	21.20	
Body	0	LTE Band 12	A+B	QPSK BW = 10 RB 1/0	23095	10	Rear	24.20	0.426	27.91	27.91
						10	Front	24.20	0.288	29.61	
						10	Bottom	24.20	0.193	31.34	
						10	Right	24.20	0.278	29.76	

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}.

UMPC Body-1g Exposure (DSI = 0) (Continued)

RF Exposure Conditions	DSI	band	Antenna	mode	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Body	0	LTE Band 12	D	QPSK BW = 10 RB 1/0	23095	10	Rear	24.41	0.291	29.77	29.77
						10	Front	24.41	0.237	30.66	
						10	Top	24.41	0.247	30.48	
						10	Right	24.41	0.283	29.89	
Body	0	LTE Band 13	A+B	QPSK BW = 10 RB 1/25	23230	10	Rear	24.87	0.440	28.44	28.44
						10	Front	24.87	0.380	29.07	
						10	Bottom	24.87	0.256	30.79	
						10	Right	24.87	0.315	29.89	
Body	0	LTE Band 13	D	QPSK BW = 10 RB 1/25	23230	10	Rear	24.60	0.303	29.79	29.79
						10	Front	24.60	0.224	31.10	
						10	Top	24.60	0.147	32.93	
						10	Right	24.60	0.210	31.38	
Body	0	LTE Band 14	A+B	QPSK BW = 10 RB 1/0	23330	10	Rear	24.74	0.555	27.30	27.30
						10	Front	24.74	0.521	27.57	
						10	Bottom	24.74	0.206	31.60	
						10	Right	24.74	0.287	30.16	
Body	0	LTE Band 14	D	QPSK BW = 10 RB 1/0	23330	10	Rear	24.54	0.301	29.75	29.75
						10	Front	24.54	0.235	30.83	
						10	Top	24.54	0.193	31.68	
						10	Right	24.54	0.230	30.92	
Body	0	LTE Band 25(2)	B	QPSK BW = 20 RB 1/0	26140	10	Rear	18.10	0.610	20.25	18.98
						10	Front	18.10	0.339	22.80	
						10	Bottom	18.10	0.816	18.98	
						10	Right	18.10	0.167	25.87	
Body	0	LTE Band 25(2)	E	QPSK BW = 20 RB 1/0	26140	10	Rear	19.56	0.339	24.26	23.31
						10	Front	19.56	0.225	26.04	
						10	Top	19.56	0.422	23.31	
Body	0	LTE Band 26	A+B	QPSK BW = 15 RB 1/0	26865	10	Rear	24.45	0.425	28.17	28.17
						10	Front	24.45	0.336	29.19	
						10	Bottom	24.45	0.190	31.66	
						10	Right	24.45	0.250	30.47	
Body	0	LTE Band 26	D	QPSK BW = 15 RB 1/0	26865	10	Rear	24.45	0.365	28.83	28.83
						10	Front	24.45	0.234	30.76	
						10	Top	24.45	0.163	32.33	
						10	Right	24.45	0.263	30.25	
Body	0	LTE Band 30	B	QPSK BW = 10 RB 1/25	27710	10	Rear	16.55	0.492	19.63	18.40
						10	Front	16.55	0.391	20.63	
						10	Bottom	16.55	0.653	18.40	
						10	Right	16.55	0.082	27.41	
Body	0	LTE Band 30	E	QPSK BW = 10 RB 50/0	27710	10	Rear	18.83	0.517	21.70	20.04
						10	Front	18.83	0.610	20.98	
						10	Top	18.83	0.756	20.04	
Body	0	LTE Band 66(4)	B	QPSK BW = 20 RB 50/50	132572	10	Rear	19.07	0.580	21.44	20.85
						10	Front	19.07	0.486	22.20	
						10	Bottom	19.07	0.664	20.85	
						10	Right	19.07	0.149	27.34	
Body	0	LTE Band 66(4)	E	QPSK BW = 20 RB 50/50	132572	10	Rear	19.69	0.425	23.41	23.01
						10	Front	19.69	0.353	24.21	
						10	Top	19.69	0.466	23.01	

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}.

UMPC Body-1g Exposure (DSI = 0) (Continued)

RF Exposure Conditions	DSI	band	Antenna	mode	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Body	0	LTE Band 71	A+B	QPSK BW = 20 RB 1/0	133297	10	Rear	24.25	0.361	28.67	28.67
						10	Front	24.25	0.253	30.22	
						10	Bottom	24.25	0.205	31.13	
						10	Right	24.25	0.278	29.81	
Body	0	LTE Band 71	D	QPSK BW = 20 RB 1/0	133297	10	Rear	24.25	0.307	29.38	29.38
						10	Front	24.25	0.282	29.75	
						10	Top	24.25	0.207	31.09	
						10	Right	24.25	0.256	30.17	
Body	0	LTE Band 41(38) PC3	B	QPSK BW = 20 RB 50/50	41055	10	Rear	15.65	0.302	20.85	16.77
						10	Front	15.65	0.222	22.19	
						10	Bottom	15.65	0.773	16.77	
						10	Right	15.65	0.063	27.66	
Body	0	LTE Band 41(38) PC3	E	QPSK BW = 20 RB 1/0	41055	10	Rear	19.18	0.386	23.31	21.33
						10	Front	19.18	0.304	24.35	
						10	Top	19.18	0.610	21.33	
Body	0	LTE Band 41(38) PC2	B	QPSK BW = 20 RB 50/50	41490	10	Bottom	15.50	0.637	17.46	17.46
Body	0	LTE Band 41(38) PC2	E	QPSK BW = 20 RB 1/0	41055	10	Top	21.01	0.260	26.86	26.86
Body	0	LTE Band 48	E	QPSK BW = 20 RB 1/0	56640	10	Rear	17.82	0.636	19.79	18.52
						10	Front	17.82	0.218	24.44	
						10	Top	17.82	0.851	18.52	
Body	0	NR Band n5	A+B	DFT-s OFDM QPSK BW= 20 RB 1/52	167300	10	Rear	23.65	0.513	26.55	26.55
						10	Front	23.65	0.378	27.88	
						10	Bottom	23.65	0.253	29.62	
						10	Right	23.65	0.329	28.48	
Body	0	NR Band n5	D	DFT-s OFDM QPSK BW= 20 RB 1/1	167300	10	Rear	23.72	0.335	28.47	28.47
						10	Front	23.72	0.256	29.64	
						10	Top	23.72	0.205	30.60	
						10	Right	23.72	0.217	30.36	
Body	0	NR Band n7	B	DFT-s OFDM QPSK BW=40 RB 108/54	507000	10	Rear	18.17	0.471	21.44	18.96
						10	Front	18.17	0.322	23.09	
						10	Bottom	18.17	0.834	18.96	
						10	Right	18.17	0.090	28.63	
Body	0	NR Band n7	E	DFT-s OFDM QPSK BW=40 RB 1/214	507000	10	Rear	18.31	0.524	21.12	20.95
						10	Front	18.31	0.258	24.19	
						10	Top	18.31	0.544	20.95	
Body	0	NR Band n12	A+B	DFT-s OFDM QPSK BW=15 RB 1/1	141500	10	Rear	23.85	0.402	27.81	27.81
						10	Front	23.85	0.283	29.33	
						10	Bottom	23.85	0.186	31.15	
						10	Right	23.85	0.299	29.09	
Body	0	NR Band n12	D	DFT-s OFDM QPSK BW=15 RB 1/1	141500	10	Rear	23.62	0.264	29.40	29.40
						10	Front	23.62	0.170	31.32	
						10	Top	23.62	0.225	30.10	
						10	Right	23.62	0.261	29.45	

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}.

UMPC Body-1g Exposure (DSI = 0) (Continued)

RF Exposure Conditions	DSI	band	Antenna	mode	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Body	0	NR Band n25(2)	B	DFT-s OFDM QPSK BW=40 RB 1/1	376500	10	Rear	19.36	0.628	21.38	19.61
						10	Front	19.36	0.380	23.56	
						10	Bottom	19.36	0.944	19.61	
						10	Right	19.36	0.199	26.37	
Body	0	NR Band n25(2)	E	DFT-s OFDM QPSK BW=40 RB 108/0	376500	10	Rear	19.63	0.400	23.61	22.96
						10	Front	19.63	0.177	27.15	
						10	Top	19.63	0.464	22.96	
Body	0	NR Band n26	A+B	DFT-s OFDM QPSK BW=20 RB 1/52	166300	10	Rear	23.85	0.554	26.41	26.41
						10	Front	23.85	0.346	28.46	
						10	Bottom	23.85	0.234	30.16	
						10	Right	23.85	0.270	29.54	
Body	0	NR Band n26	D	DFT-s OFDM QPSK BW=20 RB 1/1	166300	10	Rear	23.81	0.308	28.92	28.92
						10	Front	23.81	0.210	30.59	
						10	Top	23.81	0.097	33.94	
						10	Right	23.81	0.089	34.34	
Body	0	NR Band n30	B	DFT-s OFDM QPSK BW=10 RB 1/1	462000	10	Rear	16.68	0.434	20.31	18.20
						10	Front	16.68	0.236	22.95	
						10	Bottom	16.68	0.705	18.20	
						10	Right	16.68	0.098	26.77	
Body	0	NR Band n30	E	DFT-s OFDM QPSK BW=10 RB 1/1	462000	10	Rear	19.05	0.625	21.09	20.38
						10	Front	19.05	0.376	23.30	
						10	Top	19.05	0.736	20.38	
Body	0	NR Band n66	B	DFT-s OFDM QPSK BW=40 RB 108/54	349000	10	Rear	18.84	0.550	21.44	20.76
						10	Front	18.84	0.266	24.59	
						10	Bottom	18.84	0.642	20.76	
						10	Right	18.84	0.174	26.43	
Body	0	NR Band n66	E	DFT-s OFDM QPSK BW=40 RB 108/54	349000	10	Rear	19.45	0.508	22.39	22.07
						10	Front	19.45	0.249	25.49	
						10	Top	19.45	0.547	22.07	
Body	0	NR Band n70	B	DFT-s OFDM QPSK BW=15 RB 36/21	340500	10	Rear	19.51	0.511	22.43	21.79
						10	Front	19.51	0.347	24.11	
						10	Bottom	19.51	0.591	21.79	
						10	Right	19.51	0.131	28.34	
Body	0	NR Band n70	E	DFT-s OFDM QPSK BW=15 RB 36/21	340500	10	Rear	20.78	0.555	23.34	22.11
						10	Front	20.78	0.316	25.78	
						10	Top	20.78	0.737	22.11	
Body	0	NR Band n71	A+B	DFT-s OFDM QPSK BW=20 RB 50/28	136100	10	Rear	24.04	0.393	28.10	28.10
						10	Front	24.04	0.276	29.63	
						10	Bottom	24.04	0.173	31.66	
						10	Right	24.04	0.278	29.60	
Body	0	NR Band n71	D	DFT-s OFDM QPSK BW=20 RB 50/28	136100	10	Rear	24.11	0.284	29.58	29.58
						10	Front	24.11	0.220	30.69	
						10	Top	24.11	0.138	32.71	
						10	Right	24.11	0.127	33.07	
Body	0	NR Band n41(38) PC2 Main	E	DFT-s OFDM QPSK BW=100 RB 135/69	518598	10	Rear	19.65	0.478	22.86	21.95
						10	Front	19.65	0.272	25.30	
						10	Top	19.65	0.589	21.95	

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}.

UMPC Body-1g Exposure (DSI = 0) (Continued)

RF Exposure Conditions	DSI	band	Antenna	mode	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Body	0	NR Band n41 PC2 -SRS2-	G	CW	518598	10	Rear	12.23	0.060	24.45	24.45
						10	Front	12.23	0.057	24.67	
						10	Right	12.23	0.039	26.32	
Body	0	NR Band n41(38) switching PC2 Main	B	DFT-s OFDM QPSK BW=100 RB 1/1	518598	10	Rear	17.17	0.419	20.95	18.51
						10	Front	17.17	0.274	22.79	
						10	Bottom	17.17	0.734	18.51	
						10	Right	17.17	0.076	28.36	
Body	0	NR Band n41 switching PC2 -SRS2-	C	CW	518598	10	Rear	11.85	0.074	23.16	21.40
						10	Front	11.85	0.053	24.61	
						10	Bottom	11.85	0.111	21.40	
Body	0	NR Band n48 Main	E	DFT-s OFDM QPSK BW=40 RB 50/28	638000	10	Rear	16.55	0.460	19.92	19.66
						10	Front	16.55	0.184	23.90	
						10	Top	16.55	0.489	19.66	
Body	0	NR Band n48 -SRS1-	C	CW	638000	10	Rear	14.63	0.110	24.22	22.17
						10	Front	14.63	0.091	25.06	
						10	Bottom	14.63	0.176	22.17	
Body	0	NR Band n48 -SRS2-	F	CW	641666	10	Rear	14.41	0.139	22.98	22.21
						10	Front	14.41	0.039	28.50	
						10	Top	14.41	0.166	22.21	
						10	Right	14.41	0.018	31.86	
Body	0	NR Band n48 -SRS3-	A	CW	638000	10	Rear	14.22	0.098	24.31	20.44
						10	Front	14.22	0.082	25.08	
						10	Bottom	14.22	0.131	23.05	
						10	Right	14.22	0.239	20.44	
Body	0	NR Band n77 PC2 -SRS0-	E	DFT-s OFDM QPSK BW=100 RB 1/1	662000	10	Rear	17.41	0.475	20.64	19.45
						10	Front	17.41	0.284	22.88	
						10	Top	17.41	0.625	19.45	
Body	0	NR Band n77 PC2 -SRS1-	C	CW	662000	10	Rear	13.68	0.088	24.24	18.35
						10	Front	13.68	0.097	23.83	
						10	Bottom	13.68	0.341	18.35	
Body	0	NR Band n77 PC2 -SRS2-	F	CW	662000	10	Rear	14.55	0.225	21.03	20.38
						10	Front	14.55	0.115	23.94	
						10	Top	14.55	0.261	20.38	
						10	Right	14.55	0.037	28.87	
Body	0	NR Band n77 PC2 -SRS3-	A	CW	650000	10	Rear	14.51	0.064	26.45	21.63
						10	Front	14.51	0.049	27.59	
						10	Bottom	14.51	0.076	25.72	
						10	Right	14.51	0.194	21.63	

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}.

UMPC Body-1g Exposure (DSI = 0) (Continued)

RF Exposure Conditions	DSI	band	Antenna	mode	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 1g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Body	0	DTS SISO Ant. 1	G	802.11b 1Mbps	6	10	Right	19.82	0.447	23.32	23.32
Body	0	DTS SISO Ant. 2	F	802.11b 1Mbps	1	10	Rear	19.88	0.463	23.22	23.22
Body	0	DTS MIMO	G+F	802.11b 1Mbps	1	10	Top	19.91	0.442	23.46	23.46
Body	0	UNII-2A SISO Ant. 1	G	802.11n (HT40)	54	10	Rear	17.13	0.218	23.75	23.75
Body	0	UNII-2A SISO Ant. 2	D	802.11n (HT40)	54	10	Right	17.70	0.158	25.71	25.71
Body	0	UNII-2A MIMO	G+D	802.11n (HT40)	54	10	Right	17.23	0.296	22.52	22.52
Body	0	UNII-2C SISO Ant. 1	G	802.11ac (VHT80)	122	10	Right	16.90	0.204	23.80	23.80
Body	0	UNII-2C SISO Ant. 2	D	802.11ac (VHT80)	122	10	Rear	17.24	0.176	24.78	24.78
Body	0	UNII-2C MIMO	G+D	802.11ac (VHT80)	122	10	Right	17.02	0.379	21.23	21.23
Body	0	UNII-3 SISO Ant. 1	G	802.11ac (VHT80)	155	10	Right	16.68	0.245	22.79	22.79
Body	0	UNII-3 SISO Ant. 2	D	802.11ac (VHT80)	155	10	Top	17.05	0.151	25.26	25.26
Body	0	UNII-3 MIMO	G+D	802.11ac (VHT80)	155	10	Right	16.80	0.329	21.63	21.63
Body	0	UNII-4 SISO Ant. 1	G	802.11ac (VHT80)	171	10	Rear	16.60	0.192	23.77	23.77
Body	0	UNII-4 SISO Ant. 2	D	802.11ac (VHT80)	171	10	Top	16.82	0.213	23.54	23.54
Body	0	UNII-4 MIMO	G+D	802.11ac (VHT80)	171	10	Top	16.72	0.365	21.10	21.10
Body	0	WiFi 6E SISO Ant. 1	G	802.11ax (HE160)	207	10	Front	10.23	0.134	18.96	18.96
Body	0	WiFi 6E SISO Ant. 2	D	802.11ax (HE160)	207	10	Rear	10.99	0.161	18.92	18.92
Body	0	WiFi 6E MIMO	G+D	802.11ax (HE160)	143	10	Rear	10.50	0.186	17.80	17.80
Body	0	Bluetooth Ant. 1	G	LE 1M 255pkt	0	10	Rear	19.01	0.276	24.60	23.89
						10	Front	19.01	0.272	24.66	
						10	Right	19.01	0.325	23.89	
Body	0	Bluetooth Ant. 2	F	LE 1M 255pkt	19	10	Rear	19.07	0.331	23.87	23.87
						10	Front	19.07	0.116	28.43	
						10	Top	19.07	0.325	23.95	
						10	Right	19.07	0.052	31.94	
Body	0	Bluetooth MIMO	G+F	GFSK DH5	39	10	Rear	14.90	0.135	23.60	23.60
						10	Front	14.90	0.081	25.84	
						10	Top	15.17	0.074	26.50	
						10	Right	14.90	0.096	25.09	

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}.

UMPC Extremity-10g Exposure (DSI = 0)

RF Exposure Conditions	DSI	band	Antenna	mode	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 10g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Extremity	0	GSM 850	A	GPRS 2 Slots	190	0	Rear	24.89	0.774	29.98	28.42
						0	Front	24.89	1.110	28.42	
						0	Bottom	24.89	0.564	31.36	
						0	Right	24.89	1.040	28.70	
Extremity	0	GSM 850	D	GPRS 2 Slots	190	0	Rear	24.66	0.594	30.90	28.91
						0	Front	24.66	0.940	28.91	
						0	Top	24.66	0.675	30.35	
						0	Right	24.66	0.627	30.67	
Extremity	0	GSM 1900	B	GPRS 4 Slots	661	0	Rear	17.98	0.976	22.06	19.97
						0	Front	17.98	0.940	22.23	
						0	Bottom	17.98	1.580	19.97	
						0	Right	17.98	0.460	25.33	
Extremity	0	WCDMA 2	B	Rel 99	9400	0	Rear	19.37	1.310	22.18	19.00
						0	Front	19.37	1.040	23.18	
						0	Bottom	19.37	2.720	19.00	
						0	Right	19.37	0.680	25.02	
Extremity	0	WCDMA 4	B	Rel 99	1413	0	Rear	19.07	1.150	22.44	20.40
						0	Front	19.07	0.868	23.66	
						0	Bottom	19.07	1.840	20.40	
						0	Right	19.07	0.363	27.45	
Extremity	0	WCDMA 5	A+B	Rel 99	4183	0	Rear	24.49	0.965	28.62	26.74
						0	Front	24.49	1.080	28.14	
						0	Bottom	24.49	0.611	30.61	
						0	Right	24.49	1.490	26.74	
Extremity	0	WCDMA 5	D	Rel 99	4183	0	Rear	24.46	0.704	29.96	27.58
						0	Front	24.46	1.220	27.58	
						0	Top	24.46	0.736	29.77	
						0	Right	24.46	0.658	30.26	
Extremity	0	LTE Band 5	A+B	QPSK BW = 10 RB 1/25	20525	0	Rear	24.56	0.926	28.87	27.14
						0	Front	24.56	1.280	27.47	
						0	Bottom	24.56	0.581	30.90	
						0	Right	24.56	1.380	27.14	
Extremity	0	LTE Band 5	D	QPSK BW = 10 RB 1/25	20525	0	Rear	24.61	0.695	30.17	27.38
						0	Front	24.61	1.320	27.38	
						0	Top	24.61	0.764	29.76	
						0	Right	24.61	0.660	30.39	
Extremity	0	LTE Band 7	B	QPSK BW = 20 RB 50/0	21100	0	Rear	18.25	0.758	23.43	18.41
						0	Front	18.25	1.200	21.44	
						0	Bottom	18.25	2.410	18.41	
						0	Right	18.25	0.161	30.16	
Extremity	0	LTE Band 7	E	QPSK BW = 20 RB 1/99	21100	0	Rear	18.54	0.419	26.30	19.92
						0	Front	18.54	0.404	26.46	
						0	Top	18.54	1.820	19.92	
Extremity	0	LTE Band 12	A+B	QPSK BW = 10 RB 1/0	23095	0	Rear	24.20	1.080	27.85	26.08
						0	Front	24.20	1.120	27.69	
						0	Bottom	24.20	0.724	29.58	
						0	Right	24.20	1.620	26.08	

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}.

UMPC Extremity-10g Exposure (DSI = 0) (Continued)

RF Exposure Conditions	DSI	band	Antenna	mode	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 10g (W/kg)	P_{limit} (dBm)	Minimum P_{limit} (dBm)
Extremity	0	LTE Band 12	D	QPSK BW = 10 RB 1/0	23095	0	Rear	24.41	0.506	31.35	27.15
						0	Front	24.41	1.260	27.39	
						0	Top	24.41	0.923	28.74	
						0	Right	24.41	1.330	27.15	
Extremity	0	LTE Band 13	A+B	QPSK BW = 10 RB 1/25	23230	0	Rear	24.87	0.747	30.12	27.12
						0	Front	24.87	0.851	29.55	
						0	Bottom	24.87	0.514	31.74	
						0	Right	24.87	1.490	27.12	
Extremity	0	LTE Band 13	D	QPSK BW = 10 RB 1/25	23230	0	Rear	24.60	0.490	31.68	28.21
						0	Front	24.60	1.090	28.21	
						0	Top	24.60	0.647	30.47	
						0	Right	24.60	0.926	28.91	
Extremity	0	LTE Band 14	A+B	QPSK BW = 10 RB 1/0	23330	0	Rear	24.74	0.762	29.90	27.11
						0	Front	24.74	1.050	28.51	
						0	Bottom	24.74	0.449	32.20	
						0	Right	24.74	1.450	27.11	
Extremity	0	LTE Band 14	D	QPSK BW = 10 RB 1/0	23330	0	Rear	24.54	0.469	31.81	28.64
						0	Front	24.54	0.972	28.64	
						0	Top	24.54	0.611	30.66	
						0	Right	24.54	0.827	29.34	
Extremity	0	LTE Band 25(2)	B	QPSK BW = 20 RB 1/0	26140	0	Rear	18.10	1.340	20.81	18.24
						0	Front	18.10	1.160	21.43	
						0	Bottom	18.10	2.420	18.24	
						0	Right	18.10	0.503	25.06	
Extremity	0	LTE Band 25(2)	E	QPSK BW = 20 RB 50/0	26140	0	Rear	19.63	0.823	24.46	22.24
						0	Front	19.63	0.767	24.76	
						0	Top	19.63	1.370	22.24	
Extremity	0	LTE Band 26	A+B	QPSK BW = 15 RB 1/0	26865	0	Rear	24.45	0.963	28.59	26.47
						0	Front	24.45	1.570	26.47	
						0	Bottom	24.45	0.526	31.22	
						0	Right	24.45	1.310	27.26	
Extremity	0	LTE Band 26	D	QPSK BW = 15 RB 1/0	26865	0	Rear	24.45	0.704	29.95	27.46
						0	Front	24.45	1.250	27.46	
						0	Top	24.45	0.540	31.11	
						0	Right	24.45	0.746	29.70	
Extremity	0	LTE Band 30	B	QPSK BW = 10 RB 1/25	27710	0	Rear	16.55	0.932	20.84	17.83
						0	Front	16.55	0.901	20.98	
						0	Bottom	16.55	1.860	17.83	
						0	Right	16.55	0.113	30.00	
Extremity	0	LTE Band 30	E	QPSK BW = 10 RB 1/25	27710	0	Rear	18.90	0.989	22.93	20.87
						0	Front	18.90	1.590	20.87	
						0	Top	18.90	1.430	21.33	
Extremity	0	LTE Band 66(4)	B	QPSK BW = 20 RB 1/0	132572	0	Rear	19.07	1.180	22.33	20.13
						0	Front	19.07	1.280	21.98	
						0	Bottom	19.07	1.960	20.13	
						0	Right	19.07	0.404	26.99	
Extremity	0	LTE Band 66(4)	E	QPSK BW = 20 RB 50/50	132572	0	Rear	19.69	0.936	23.96	22.15
						0	Front	19.69	0.895	24.15	
						0	Top	19.69	1.420	22.15	

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}.

UMPC Extremity-10g Exposure (DSI = 0) (Continued)

RF Exposure Conditions	DSI	band	Antenna	mode	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 10g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Extremity	0	LTE Band 71	A+B	QPSK BW = 20 RB 1/0	133297	0	Rear	24.25	0.856	28.90	26.96
						0	Front	24.25	1.340	26.96	
						0	Bottom	24.25	0.751	29.47	
						0	Right	24.25	1.230	27.33	
Extremity	0	LTE Band 71	D	QPSK BW = 20 RB 1/0	133297	0	Rear	24.25	0.521	31.06	27.06
						0	Front	24.25	0.887	28.75	
						0	Top	24.25	0.929	28.55	
						0	Right	24.25	1.310	27.06	
Extremity	0	LTE Band 41(38) PC3	B	QPSK BW = 20 RB 50/50	41055	0	Rear	15.65	0.931	19.94	17.25
						0	Bottom	15.65	0.704	21.15	
						0	Rear	15.65	1.730	17.25	
						0	Bottom	15.65	0.110	29.22	
Extremity	0	LTE Band 41(38) PC3	E	QPSK BW = 20 RB 50/0	41055	0	Rear	19.17	0.656	24.98	20.60
						0	Front	19.17	0.733	24.50	
						0	Top	19.17	1.800	20.60	
Extremity	0	LTE Band 41(38) PC2	B	QPSK BW = 20 RB 50/50	41490	0	Rear	15.50	1.620	17.38	17.38
Extremity	0	LTE Band 41(38) PC2	E	QPSK BW = 20 RB 50/0	40185	0	Top	18.57	2.190	19.14	19.14
Extremity	0	LTE Band 48	E	QPSK BW = 20 RB 50/0	56640	0	Rear	17.92	0.920	22.26	17.77
						0	Front	17.92	0.973	22.02	
						0	Top	17.92	2.590	17.77	
Extremity	0	NR Band n5	A+B	DFT-s OFDM QPSK BW= 20 RB 50/28	167300	0	Rear	23.65	1.110	27.18	26.36
						0	Front	23.65	1.140	27.06	
						0	Bottom	23.65	0.620	29.71	
						0	Right	23.65	1.340	26.36	
Extremity	0	NR Band n5	D	DFT-s OFDM QPSK BW= 20 RB 1/1	167300	0	Rear	23.72	0.632	29.69	26.43
						0	Front	23.72	1.340	26.43	
						0	Top	23.72	0.700	29.25	
						0	Right	23.72	0.681	29.37	
Extremity	0	NR Band n7	B	DFT-s OFDM QPSK BW=40 RB 1/1	507000	0	Rear	18.15	1.010	22.09	18.27
						0	Front	18.15	0.988	22.18	
						0	Bottom	18.15	2.430	18.27	
						0	Right	18.15	0.140	30.67	
Extremity	0	NR Band n7	E	DFT-s OFDM QPSK BW=40 RB 108/54	507000	0	Rear	18.26	0.494	25.30	19.41
						0	Front	18.26	0.713	23.71	
						0	Top	18.26	1.920	19.41	
Extremity	0	NR Band n12	A+B	DFT-s OFDM QPSK BW=15 RB 1/1	141500	0	Rear	23.85	1.060	27.58	25.60
						0	Front	23.85	1.110	27.38	
						0	Bottom	23.85	0.873	28.42	
						0	Right	23.85	1.670	25.60	
Extremity	0	NR Band n12	D	DFT-s OFDM QPSK BW=15 RB 1/1	141500	0	Rear	23.62	0.505	30.57	26.20
						0	Front	23.62	0.662	29.39	
						0	Top	23.62	0.993	27.63	
						0	Right	23.62	1.380	26.20	

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}.

UMPC Extremity-10g Exposure (DSI = 0) (Continued)

RF Exposure Conditions	DSI	band	Antenna	mode	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 10g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Extremity	0	NR Band n25(2)	B	DFT-s OFDM QPSK BW=40 RB 1/1	376500	0	Rear	19.36	1.470	21.67	19.01
						0	Front	19.36	0.984	23.41	
						0	Bottom	19.36	2.710	19.01	
						0	Right	19.36	0.552	25.92	
Extremity	0	NR Band n25(2)	E	DFT-s OFDM QPSK BW=40 RB 1/1	376500	0	Rear	19.86	0.620	25.92	21.96
						0	Front	19.86	0.510	26.76	
						0	Top	19.86	1.540	21.96	
Extremity	0	NR Band n26	A+B	DFT-s OFDM QPSK BW=20 RB 50/28	166300	0	Rear	23.73	1.140	27.14	26.41
						0	Front	23.73	1.310	26.54	
						0	Bottom	23.73	0.596	29.96	
						0	Right	23.73	1.350	26.41	
Extremity	0	NR Band n26	D	DFT-s OFDM QPSK BW=20 RB 50/28	166300	0	Rear	23.68	0.562	30.16	27.21
						0	Front	23.68	1.110	27.21	
						0	Top	23.68	0.420	31.43	
						0	Right	23.68	0.269	33.36	
Extremity	0	NR Band n30	B	DFT-s OFDM QPSK BW=10 RB 25/13	462000	0	Rear	16.70	1.160	20.03	17.27
						0	Bottom	16.70	0.825	21.51	
						0	Rear	16.70	2.190	17.27	
						0	Bottom	16.70	0.138	29.28	
Extremity	0	NR Band n30	E	DFT-s OFDM QPSK BW=10 RB 25/13	462000	0	Rear	18.98	0.781	24.03	21.62
						0	Top	18.98	1.010	22.92	
						0	Rear	18.98	1.360	21.62	
Extremity	0	NR Band n66	B	DFT-s OFDM QPSK BW=40 RB 108/24	349000	0	Rear	18.84	1.240	21.89	19.54
						0	Front	18.84	1.230	21.92	
						0	Bottom	18.84	2.130	19.54	
						0	Right	18.84	0.348	27.40	
Extremity	0	NR Band n66	E	DFT-s OFDM QPSK BW=40 RB 108/24	349000	0	Rear	19.45	1.000	23.43	21.85
						0	Front	19.45	0.653	25.28	
						0	Top	19.45	1.440	21.85	
Extremity	0	NR Band n70	B	DFT-s OFDM QPSK BW=15 RB 36/21	340500	0	Rear	19.51	0.951	23.71	21.53
						0	Front	19.51	1.040	23.32	
						0	Bottom	19.51	1.570	21.53	
						0	Right	19.51	0.287	28.91	
Extremity	0	NR Band n70	E	DFT-s OFDM QPSK BW=15 RB 36/21	340500	0	Rear	20.78	1.330	23.52	22.09
						0	Front	20.78	0.838	25.53	
						0	Top	20.78	1.850	22.09	
Extremity	0	NR Band n71	A+B	DFT-s OFDM QPSK BW=20 RB 50/28	136100	0	Rear	24.04	0.871	28.62	25.95
						0	Front	24.04	1.200	27.23	
						0	Bottom	24.04	0.578	30.40	
						0	Right	24.04	1.610	25.95	
Extremity	0	NR Band n71	D	DFT-s OFDM QPSK BW=20 RB 50/28	136100	0	Rear	24.11	0.494	31.15	27.84
						0	Front	24.11	1.060	27.84	
						0	Top	24.11	0.557	30.63	
						0	Right	24.11	0.502	31.08	
Extremity	0	NR Band n41(38) PC2 Main	E	DFT-s OFDM QPSK BW=100 RB 1/135	518598	0	Rear	19.67	0.692	25.25	20.49
						0	Front	19.67	0.878	24.21	
						0	Top	19.67	2.070	20.49	
Extremity	0	NR Band n41 PC2 -SRS2-	G	CW	518598	0	Rear	12.23	1.690	13.93	13.93
						0	Front	12.23	1.390	14.78	
						0	Right	12.23	0.211	22.97	

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}.

UMPC Extremity-10g Exposure (DSI = 0) (Continued)

RF Exposure Conditions	DSI	band	Antenna	mode	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 10g (W/kg)	Plimit (dBm)	Minimum Plimit (dBm)
Extremity	0	NR Band n41(38) switching PC2 Main	B	DFT-s OFDM QPSK BW=100 RB 135/0	518598	0	Rear	17.08	1.010	21.02	16.86
						0	Front	17.08	0.845	21.79	
						0	Bottom	17.08	2.630	16.86	
						0	Right	17.08	0.112	30.57	
Extremity	0	NR Band n41 switching PC2 -SRS2-	C	CW	518598	0	Rear	11.85	0.588	18.14	18.14
						0	Front	11.85	0.556	18.38	
						0	Bottom	11.85	0.354	20.34	
Extremity	0	NR Band n48 Main	E	DFT-s OFDM QPSK BW=40 RB 50/28	638000	0	Rear	16.42	1.030	20.27	16.80
						0	Front	16.42	0.959	20.58	
						0	Left	16.42	2.290	16.80	
Extremity	0	NR Band n48 -SRS1-	C	CW	638000	0	Rear	14.63	0.694	20.20	19.13
						0	Front	14.63	0.528	21.38	
						0	Bottom	14.63	0.888	19.13	
Extremity	0	NR Band n48 -SRS2-	F	CW	641666	0	Rear	14.41	0.695	19.97	19.94
						0	Front	14.41	0.416	22.20	
						0	Top	14.41	0.699	19.94	
						0	Right	14.41	0.041	32.26	
Extremity	0	NR Band n48 -SRS3-	A	CW	638000	0	Rear	14.22	0.134	26.93	18.94
						0	Front	14.22	0.222	24.74	
						0	Bottom	14.22	0.844	18.94	
						0	Right	14.22	0.506	21.16	
Extremity	0	NR Band n77 PC2 -SRS0-	E	DFT-s OFDM QPSK BW=100 RB 135/0	650000	0	Rear	17.14	1.070	20.83	17.23
						0	Front	17.14	0.997	21.13	
						0	Top	17.14	2.450	17.23	
Extremity	0	NR Band n77 PC2 -SRS1-	C	CW	662000	0	Rear	13.68	0.575	20.06	17.89
						0	Front	13.68	0.454	21.09	
						0	Bottom	13.68	0.949	17.89	
Extremity	0	NR Band n77 PC2 -SRS2-	F	CW	662000	0	Rear	14.55	0.542	21.19	19.52
						0	Front	14.55	0.435	22.14	
						0	Top	14.55	0.796	19.52	
						0	Right	14.55	0.052	31.37	
Extremity	0	NR Band n77 PC2 -SRS3-	A	CW	650000	0	Rear	14.51	0.107	28.20	19.15
						0	Front	14.51	0.233	24.82	
						0	Top	14.51	0.859	19.15	
						0	Right	14.51	0.473	21.74	

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}.

UMPC Extremity-10g Exposure (DSI = 0) (Continued)

RF Exposure Conditions	DSI	band	Antenna	mode	Ch.	Test distance (mm)	Test position	Output power (dbm)	meas SAR 10g (W/kg)	P_{limit} (dBm)	Minimum P_{limit} (dBm)
Extremity	0	DTS SISO Ant. 1	G	802.11b 1Mbps	6	0	Front	19.82	1.280	22.73	22.73
Extremity	0	DTS SISO Ant. 2	F	802.11b 1Mbps	1	0	Top	19.88	2.100	20.64	20.64
Extremity	0	DTS MIMO	G+F	802.11b 1Mbps	1	0	Top	19.91	2.250	20.37	20.37
Extremity	0	UNII-2A SISO Ant. 1	G	802.11n (HT40)	54	0	Right	17.13	0.766	22.27	22.27
Extremity	0	UNII-2A SISO Ant. 2	D	802.11n (HT40)	54	0	Front	17.70	0.706	23.19	23.19
Extremity	0	UNII-2A MIMO	G+D	802.11n (HT40)	54	0	Front	17.23	0.743	22.50	22.50
Extremity	0	UNII-2C SISO Ant. 1	G	802.11ac (VHT80)	122	0	Front	16.90	1.110	20.43	20.43
Extremity	0	UNII-2C SISO Ant. 2	D	802.11ac (VHT80)	122	0	Top	17.24	0.577	23.61	23.61
Extremity	0	UNII-2C MIMO	G+D	802.11ac (VHT80)	122	0	Front	17.02	0.898	21.47	21.47
Extremity	0	UNII-3 SISO Ant. 1	G	802.11ac (VHT80)	155	0	Front	16.68	1.180	19.94	19.94
Extremity	0	UNII-3 SISO Ant. 2	D	802.11ac (VHT80)	155	0	Front	17.05	0.677	22.72	22.72
Extremity	0	UNII-3 MIMO	G+D	802.11ac (VHT80)	155	0	Right	16.80	0.878	21.34	21.34
Extremity	0	UNII-4 SISO Ant. 1	G	802.11ac (VHT80)	171	0	Right	16.60	0.463	23.92	23.92
Extremity	0	UNII-4 SISO Ant. 2	D	802.11ac (VHT80)	171	0	Front	16.82	0.942	21.06	21.06
Extremity	0	UNII-4 MIMO	G+D	802.11ac (VHT80)	171	0	Front	16.72	0.966	20.85	20.85
Extremity	0	WiFi 6E SISO Ant. 1	G	802.11ax (HE160)	143	0	Front	10.31	0.412	18.14	18.14
Extremity	0	WiFi 6E SISO Ant. 2	D	802.11ax (HE160)	111	0	Front	10.77	0.431	18.40	18.40
Extremity	0	WiFi 6E MIMO	G+D	802.11ax (HE160)	143	0	Front	9.70	0.526	16.47	16.47
Extremity	0	Bluetooth Ant. 1	G	LE 1M 255pkt	0	0	Rear	19.01	0.481	26.17	23.33
						0	Front	19.01	0.925	23.33	
						0	Right	19.01	0.861	23.64	
Extremity	0	Bluetooth Ant. 2	F	LE 1M 255pkt	19	0	Rear	19.07	0.731	24.41	20.85
						0	Top	19.07	0.640	24.99	
						0	Bottom	19.07	1.660	20.85	
						0	Right	19.07	0.104	32.88	
Extremity	0	Bluetooth MIMO	G+F	GFSK DH5	39	0	Rear	15.17	0.223	25.66	21.65
						0	Top	15.17	0.562	21.65	
						0	Bottom	15.17	0.337	23.87	
						0	Right	14.90	0.301	24.09	

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