

FCC SAR Test Report

APPLICANT : Sun Cupid Technology (HK) Ltd.
EQUIPMENT : 5G Smartphone
BRAND NAME : NUU
MODEL NAME : S6707X
MARKETING NAME : NUU X10 5G, X10 5G
FCC ID : 2ADINS6707XN
STANDARD : FCC 47 CFR Part 2 (2.1093)

We, Sporton International Inc. (Shenzhen), would like to declare that the tested sample has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Shenzhen), the test report shall not be reproduced except in full.



Approved by: Si Zhang

Sporton International Inc. (Shenzhen)

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People's Republic of China**



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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA471902-02	Rev. 01	Initial issue of report.	May 07, 2026

1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for **Sun Cupid Technology (HK) Ltd., 5G Smartphone, S6707X**, are as follows.

Highest 1g SAR Summary						
Equipment Class	Frequency Band		Head (Separation 0mm)	Hotspot (Separation 10mm)	Body-worn (Separation 15mm)	Highest Simultaneous Transmission
			1g SAR (W/kg)			1g SAR (W/kg)
Licensed	GSM	GSM850	0.70	0.77	0.55	1.58
		GSM1900	0.86	0.82	0.38	
	WCDMA	WCDMA II	1.00	0.85	0.49	
		WCDMA IV	0.87	0.92	0.61	
		WCDMA V	0.43	0.61	0.49	
	LTE	LTE Band 7	0.87	0.86	0.67	
		LTE Band 12/17	0.42	0.58	0.53	
		LTE Band 13	0.45	0.64	0.74	
		LTE Band 25/2	0.82	0.87	0.42	
		LTE Band 26/5	0.41	0.50	0.45	
		LTE Band 30	0.85	0.83	0.92	
		LTE Band 66/4	1.02	0.93	0.51	
		LTE Band 71	0.34	0.44	0.42	
		LTE Band 48	0.82	0.88	0.43	
	5G NR	FR1 n5	0.39	0.48	0.35	
		FR1 n7	0.88	0.92	0.65	
		FR1 n25/2	0.87	0.90	0.46	
		FR1 n30	0.78	0.85	0.84	
		FR1 n66	0.95	0.95	0.35	
		FR1 n71	0.33	0.41	0.41	
		FR1 n41/38	0.96	0.99	0.66	
		FR1 n48	1.06	1.04	0.43	
	FR1 n77/78	0.91	0.94	0.62		
DTS	WLAN	2.4GHz WLAN	0.38	0.35	0.32	1.42
NII		5GHz WLAN	0.40	0.43	0.58	1.58
DSS	Bluetooth	2.4GHz Bluetooth	0.20	<0.10	<0.10	1.58
Highest 10g SAR Summary						
Equipment Class	Frequency Band		Product Specific 10g SAR (W/kg) (Separation 0mm)			Highest Simultaneous Transmission 10g SAR (W/kg)
Licensed	GSM	GSM1900	1.98			3.73
	WCDMA	WCDMA II	2.21			
		WCDMA IV	2.03			
	LTE	LTE Band 7	2.37			
		LTE Band 25/2	2.42			
		LTE Band 30	2.39			
		LTE Band 66/4	2.33			
		LTE Band 48	2.15			
	5G NR	FR1 n7	2.43			
		FR1 n25/2	2.07			
		FR1 n30	2.08			
		FR1 n66	2.48			
		FR1 n41/38	2.78			
FR1 n48		2.59				
FR1 n77/78		2.24				
NII	WLAN	5GHz WLAN	1.14			3.73
DXX	NFC	13.56MHz	<0.10			3.73
Date of Testing:			2026/4/5~ 2026/4/25			

Remark:

1. This device supports LTE B2 / B4 / B5 / B17 and B25 / B66 / B26 / B12. Since the supported frequency span for LTE B2 / B4 / B5 / B38 / B43 falls completely within the supports frequency span for LTE B25 / B66 / B26 / B41 / B48, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, SAR was only assessed for LTE B25 / B66 / B26 / B41 / B48.
2. This device supports 5GNR n2/n38/n78 and n25/n41/n77. Since the supported frequency span for 5GNR n2/n38/n78 falls completely within the supports frequency span for n25/n41/n77, both 5GNR bands have the same target power, and both 5GNR bands share the same transmission path; therefore, SAR was only assessed for n25/n41/n77.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg for Partial-Body 1g SAR, 4.0 W/kg for Product Specific 10g SAR) specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013 and FCC KDB publications.

2. Administration Data

Sporton International Inc. (Shenzhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Testing Laboratory			
Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	SAR05-SZ	CN1256	421272

Applicant	
Company Name	Sun Cupid Technology (HK) Ltd.
Address	16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong.

Manufacturer	
Company Name	Suncupid (ShenZhen) Electronic Ltd.
Address	Baolong Industrial City, Longgang District, ShenZhen Hi-Tech Road, Building 1, A7, China.

3. Data Reuse Approach

3.1 Introduction Section

This application re-uses data collected on a similar device, FCC ID: 2ADINS6707X (reference model) and FCC ID: 2ADINS6707XN (variant model). Due to the same design are identical between parent model and variant model, SAR data reuse is requested and spot check data in this report is used to justify the SAR data reuse.

Per KDB 484596 D01 v03 Section 3.2.2, variants and parent models always satisfy Eq. (6), and for the WWAN/WLAN/BT max SAR summary, was always choose the higher SAR between parent model and variant model.

The applicant should take full responsibility that the test data as referenced in this report represent compliance for this FCC ID: 2ADINS6707XN

3.2 Model Difference Information

The **main** difference between FCC ID: 2ADINS6707X and FCC ID: 2ADINS6707XN is as below:

- Added an NFC chip to the mainboard and an NFC antenna to the middle frame.

Other differences and all the details of similarity and difference can be found in the confidential documents (S6707X_Operational Description of Product Equality Declaration).

3.3 Reference detail Section

Rule Part	Equipment Class	Wireless Technology	Frequency Band (MHz)	FCC ID (Reference)	Type Grant/ Permissive Change	Reference Title	FCC ID Filling (Variant)	Test on the variant
2. Part 1093	PCE/CBE	GSM	GSM850/1900	2ADINS6707X	Original Grant	FA471902	2ADINS6707XN	Spot check
		WCDMA	B2/5/4	2ADINS6707X	Original Grant	FA471902	2ADINS6707XN	Spot check
		LTE	B2/4/5/7/12/13/17/25/26 /66/48/71/30	2ADINS6707X	Original Grant	FA471902	2ADINS6707XN	Spot check
		5GNR FR1	n5/n7/n25/n2/n30/n66/n71 /n38/n41/n48/n77/n78	2ADINS6707X	Original Grant	FA471902	2ADINS6707XN	Spot check
	DTS	BLE/ WiFi	2400~2483.5	2ADINS6707X	Original Grant	FA471902	2ADINS6707XN	Spot check
	NII	Wi-Fi	5150 ~ 5250 5250 ~ 5350 5470 ~ 5725 5725 ~ 5850	2ADINS6707X	Original Grant	FA471902	2ADINS6707XN	Spot check
	DSS	Bluetooth	2400~2483.5	2ADINS6707X	Original Grant	FA471902	2ADINS6707XN	Spot check
	DXX	NFC	13.56				2ADINS6707XN	Full Test

4. Guidance Applied

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards:

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2013
- IEC/IEEE 62209-1528:2020
- FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
- FCC KDB 865664 D02 SAR Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 648474 D04 SAR Evaluation Considerations for Wireless Handsets v01r03
- FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02
- FCC KDB 616217 D04 SAR for laptop and tablets v01r02
- FCC KDB 941225 D01 3G SAR Procedures v03r01
- FCC KDB 941225 D05 SAR for LTE Devices v02r05
- FCC KDB 941225 D05A Rel.10 LTE SAR Test Guidance v01r02
- FCC KDB 941225 D06 Hotspot Mode SAR v02r01
- FCC KDB 484596 D01 Referencing Test Data v03

5. Equipment Under Test (EUT) Information

5.1 General Information

Product Feature & Specification	
Equipment Name	5G Smartphone
Brand Name	NUU
Model Name	S6707X
Marketing Name	NUU X10 5G, X10 5G
FCC ID	2ADINS6707XN
IMEI Code	350915160112194, 350915160112293, 350915160112525, 350915160112483
Wireless Technology and Frequency Range	GSM850: 824 MHz ~ 849 MHz GSM1900: 1850MHz ~ 1910MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz 5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77: 3450 MHz ~ 3980 MHz 5G NR n78: 3450 MHz ~ 3800 MHz WLAN 2.4 GHz Band: 2400 MHz ~ 2483.5 MHz WLAN 5.2 GHz Band: 5150 MHz ~ 5250 MHz WLAN 5.3 GHz Band: 5250 MHz ~ 5350 MHz WLAN 5.6 GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.8 GHz Band: 5725 MHz ~ 5850 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz NFC: 13.56 MHz
Mode	GSM/GPRS/EGPRS RMC/AMR 12.2Kbps HSDPA HSUPA DC-HSDPA HSPA+ (16QAM uplink is supported) LTE: QPSK, 16QAM, 64QAM, 256QAM 5G NR: DFT-s-OFDM/CP-OFDM, Pi/2 BPSK/QPSK/16QAM/64QAM/256QAM WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE

	NFC: ASK
GSM / (E)GPRS Transfer mode	Class B – EUT cannot support Packet Switched and Circuit Switched Network simultaneously but can automatically switch between Packet and Circuit Switched Network.
EUT Stage	Engineering samples
Remark:	
1. This device supports VoIP in GPRS, EGPRS, WCDMA, LTE and 5GNR (e.g. for 3rd-party VoIP), LTE supports VoLTE operation. 2. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications. 3. This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WiFi Direct (GC/GO), and 5.3GHz / 5.5GHz supports WiFi Direct (GC only). 4. This device does not support DTM operation and supports GPRS/EGPRS mode up to multi-slot class 12. 5. The device implements Proximity sensors/receiver detect mechanism/hotspot trigger reduced power for the power management for SAR compliance at different exposure conditions (head, body-worn, hotspot, extremity). The device will invoke corresponding work scenarios power level base on frequency bands/antennas, which can refer to appendix E. power table. 6. 5GNR n41/n77/n78 supports class 2 level only and it has no class 3 level. 7. For 5G NR test, using FTM (Factory Test Mode) to perform SAR with default 100% transmission. 8. For 5GNR EN-DC mode, standalone SAR performed for 5GNR NSA band with the maximum power, EN-DC SAR summed EN-DC mode 5GNR standalone SAR and LTE standalone SAR, the result of EN-DC SAR is more conservatively. 9. This device supports 5GNR FR1 bands as following table, including NSA mode and SA mode. NSA and SA mode performed SAR separately.	

<5G NR>

Mode	Band	Duplex	SCS(KHz)	Bandwidths(BW)
NSA	n2	FDD	15	5, 10, 15, 20, 25, 30, 35, 40
	n5	FDD	15	5, 10, 15, 20, 25
	n25	FDD	15	5, 10, 15, 20, 25, 30, 35, 40
	n66	FDD	15	5, 10, 15, 20, 25, 30, 35, 40, 45
	n41	TDD	30	10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100
	n77	TDD	30	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100
SA	n2	FDD	15	5, 10, 15, 20, 25, 30, 35, 40
	n5	FDD	15	5, 10, 15, 20, 25
	n7	FDD	15	5, 10, 15, 20, 25, 30, 35, 40, 50
	n25	FDD	15	5, 10, 15, 20, 25, 30, 35, 40
	n30	FDD	15	5, 10
	n66	FDD	15	5, 10, 15, 20, 25, 30, 35, 40, 45
	n71	FDD	15	5, 10, 15, 20, 25, 30
	n38	TDD	30	10, 15, 20, 25, 30, 35, 40
	n41	TDD	30	10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100
	n48	TDD	30	10, 15, 20, 30, 40
	n77	TDD	30	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100
	n78	TDD	30	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100

5.2 General LTE SAR Test and Reporting Considerations

Summarized necessary items addressed in KDB 941225 D05 v02r05																																																																							
FCC ID	2ADINS6707XN																																																																						
Equipment Name	5G Smartphone																																																																						
Operating Frequency Range of each LTE transmission band	LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz																																																																						
Channel Bandwidth	LTE Band 2:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 4:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 5:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 7: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 12:1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 13: 5MHz, 10MHz LTE Band 17: 5MHz, 10MHz LTE Band 25:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 26:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz LTE Band 30: 5MHz, 10MHz LTE Band 48: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 66:1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 71: 5MHz, 10MHz, 15MHz, 20MHz																																																																						
uplink modulations used	QPSK / 16QAM / 64QAM / 256QAM																																																																						
LTE Voice / Data requirements	Voice and Data																																																																						
LTE Release Version	R16																																																																						
CA Support	Supported, Uplink and Downlink																																																																						
LTE MPR permanently built-in by design	<table><tr><th colspan="8">Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3</th></tr><tr><th rowspan="2">Modulation</th><th colspan="6">Channel bandwidth / Transmission bandwidth (N_{RB})</th><th rowspan="2">MPR (dB)</th></tr><tr><th>1.4 MHz</th><th>3.0 MHz</th><th>5 MHz</th><th>10 MHz</th><th>15 MHz</th><th>20 MHz</th></tr><tr><td>QPSK</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 1</td></tr><tr><td>16 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 1</td></tr><tr><td>16 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 2</td></tr><tr><td>64 QAM</td><td>≤ 5</td><td>≤ 4</td><td>≤ 8</td><td>≤ 12</td><td>≤ 16</td><td>≤ 18</td><td>≤ 2</td></tr><tr><td>64 QAM</td><td>> 5</td><td>> 4</td><td>> 8</td><td>> 12</td><td>> 16</td><td>> 18</td><td>≤ 3</td></tr><tr><td>256 QAM</td><td colspan="6">≥ 1</td><td>≤ 5</td></tr></table>	Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3								Modulation	Channel bandwidth / Transmission bandwidth (N _{RB})						MPR (dB)	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1	16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1	16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2	64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2	64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3	256 QAM	≥ 1						≤ 5
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64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3																																																																
256 QAM	≥ 1						≤ 5																																																																
LTE A-MPR	In the base station simulator configuration, Network Setting value is set to NS_01 to disable A-MPR during SAR testing and the LTE SAR tests was transmitting on all TTI frames (Maximum TTI)																																																																						
Spectrum plots for RB configuration	A properly configured base station simulator was used for the SAR and power measurement; therefore, spectrum plots for each RB allocation and offset configuration are not included in the SAR report.																																																																						
Power reduction applied to satisfy SAR compliance	Yes, when operating in Proximity sensors/receiver/hotspot detect mechanism; head/body-worn/hotspot/extremity will trigger reduced power for some bands applied to satisfy SAR compliance, the detail please referred to original report.																																																																						
LTE Carrier Aggregation Combinations	Inter-Band possible combinations and the detail power verification please referred to original report.																																																																						
LTE Carrier Aggregation Additional Information	1. This device supports LTE Carrier Aggregation (CA) in the uplink for inter-band with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per FCC Guidance. 2. This device supports maximum of 2 carriers in the downlink and 2 carriers in the uplink.																																																																						

Transmission (H, M, L) channel numbers and frequencies in each LTE band												
LTE Band 2												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	18607	1850.7	18615	1851.5	18625	1852.5	18650	1855	18675	1857.5	18700	1860
M	18900	1880	18900	1880	18900	1880	18900	1880	18900	1880	18900	1880
H	19193	1909.3	19185	1908.5	19175	1907.5	19150	1905	19125	1902.5	19100	1900

LTE Band 4												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	19957	1710.7	19965	1711.5	19975	1712.5	20000	1715	20025	1717.5	20050	1720
M	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5	20175	1732.5
H	20393	1754.3	20385	1753.5	20375	1752.5	20350	1750	20325	1747.5	20300	1745

LTE Band 5									
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Freq. (MHz)
L	20407	824.7	20415	825.5	20425	826.5	20450	829	829
M	20525	836.5	20525	836.5	20525	836.5	20525	836.5	836.5
H	20643	848.3	20635	847.5	20625	846.5	20600	844	844

LTE Band 7									
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz		
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Freq. (MHz)
L	20775	2502.5	20800	2505	20825	2507.5	20850	2510	2510
M	21100	2535	21100	2535	21100	2535	21100	2535	2535
H	21425	2567.5	21400	2565	21375	2562.5	21350	2560	2560

LTE Band 12									
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Freq. (MHz)
L	23017	699.7	23025	700.5	23035	701.5	23060	704	704
M	23095	707.5	23095	707.5	23095	707.5	23095	707.5	707.5
H	23173	715.3	23165	714.5	23155	713.5	23130	711	711

LTE Band 13				
	Bandwidth 5 MHz		Bandwidth 10 MHz	
	Channel #	Freq.(MHz)	Channel #	Freq.(MHz)
L	23205	779.5	23230	782
M	23230	782		
H	23255	784.5		

LTE Band 17									
	Bandwidth 5 MHz				Bandwidth 10 MHz				
	Channel #		Freq.(MHz)		Channel #		Freq. (MHz)		
L	23755		706.5		23780		709		
M	23790		710		23790		710		
H	23825		713.5		23800		711		

LTE Band 25												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	26047	1850.7	26055	1851.5	26065	1852.5	26090	1855	26115	1857.5	26140	1860
M	26340	1880	26340	1880	26340	1880	26340	1880	26340	1880	26340	1880
H	26683	1914.3	26675	1913.5	26665	1912.5	26640	1910	26615	1907.5	26590	1905

LTE Band 26										
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	26697	814.7	26705	815.5	26715	816.5	26740	819	26765	821.5
M	26865	831.5	26865	831.5	26865	831.5	26865	831.5	26865	831.5
H	27033	848.3	27025	847.5	27015	846.5	26990	844	26965	841.5

LTE Band 30				
	Bandwidth 5 MHz		Bandwidth 10 MHz	
	Channel #	Freq.(MHz)	Channel #	Freq.(MHz)
L	27685	2307.5	27710	2310
M	27710	2310		
H	27735	2312.5		

LTE Band 66												
	Bandwidth 1.4 MHz		Bandwidth 3 MHz		Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	131979	1710.7	131987	1711.5	131997	1712.5	132022	1715	132047	1717.5	132072	1720
M	132322	1745	132322	1745	132322	1745	132322	1745	132322	1745	132322	1745
H	132665	1779.3	132657	1778.5	132647	1777.5	132622	1775	132597	1772.5	132572	1770

LTE Band 71								
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	133147	665.5	133172	668	133197	670.5	133222	673
M	133247	675.5	133272	678	133297	680.5	133322	683
H	133447	695.5	133422	693	133397	690.5	133372	688

LTE Band 48								
	Bandwidth 5 MHz		Bandwidth 10 MHz		Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	55265	3552.5	55290	3555	55315	3557.5	55340	3560
LM	55810	3607	55815	3607.5	55820	3608	55830	3609
MH	56170	3643	56165	3642.5	56160	3642	56150	3641
H	56715	3697.5	56690	3695	56665	3692.5	56640	3690

5.3 General 5G NR SAR Test and Reporting Considerations

5G NR Information	
Operating Frequency Range of each 5G NR transmission band	5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz 5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n77 : 3450 MHz ~ 3980 MHz 5G NR n78 : 3450 MHz ~ 3800 MHz
Channel Bandwidth	The detail please refers to section 4.1 5GNR FR1 bands table.
SCS	FDD: SCS15KHz, TDD: SCS30KHz
uplink modulations used	DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM
A-MPR (Additional MPR) disabled for SAR Testing?	Yes
LTE Anchor Bands for n2	LTE B2/5/12/13/30/66
LTE Anchor Bands for n5	LTE B2/30/66
LTE Anchor Bands for n25	LTE B66
LTE Anchor Bands for n66	LTE B2/5/12/13/30/66
LTE Anchor Bands for n41	LTE B2/66
LTE Anchor Bands for n77	LTE B2/5/12/13/30/66
LTE Anchor Bands for n71	LTE B2/66

Transmission (H, M, L) channel numbers and frequencies in each 5G NR band																
NR Band 2 SCS15KHz																
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	373500	1867.5	374000	1870
M	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880	376000	1880
H	381500	1907.5	381000	1905	380500	1902.5	380000	1900	379500	1897.5	379000	1895	378500	1892.5	378000	1890

NR Band 5 SCS15KHz										
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	165300	826.5	165800	829	166300	831.5	166800	834		
M	167300	836.5	167300	836.5	167300	836.5	167300	836.5	167300	836.5
H	169300	846.5	168800	844	168300	841.5	167800	839		

NR Band 7 SCS15KHz																
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	500500	2502.5	501000	2505	501500	2507.5	502000	2510	502500	2512.5	503000	2515	504000	2520	505000	2525
M	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535	507000	2535
H	513500	2567.5	513000	2565	512500	2562.5	512000	2560	511500	2557.5	511000	2555	510000	2550	509000	2545

NR Band 25 SCS15KHz																
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	370500	1852.5	371000	1855	371500	1857.5	372000	1860	372500	1862.5	373000	1865	373500	1867.5	374000	1870
M	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5	376500	1882.5
H	382500	1912.5	382000	1910	381500	1907.5	381000	1905	380500	1902.5	380000	1900	379500	1897.5	379000	1895



NR Band 30 SCS15KHz				
	Bandwidth 5MHz		Bandwidth 10MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	461500	2307.5	462000	2310
M	462000	2310		
H	462500	2312.5		

NR Band 66 SCS15KHz																		
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz		Bandwidth 45MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	342500	1712.5	343000	1715	343500	1717.5	344000	1720	344500	1722.5	345000	1725	345500	1727.5	346000	1730	346500	1732.5
M	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745	349000	1745
H	355500	1777.5	355000	1775	354500	1772.5	354000	1770	353500	1767.5	353000	1765	352500	1762.5	352000	1760	351500	1757.5

NR Band 71 SCS15KHz													
	Bandwidth 5MHz		Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	
L	133100	665.5	133600	668	134100	670.5	134600	673	135100	675.5	135600	678	
M	136100	680.5	136100	680.5	136100	680.5	136100	680.5	136100	680.5	136100	680.5	
H	139100	695.5	138600	693	138100	690.5	137600	688	137100	685.5	136600	683	

NR Band 38 SCS30Hz														
	Bandwidth10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth40MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	515004	2575.02	515502	2577.51	516000	2580	516504	2582.52	517002	2585.01	517500	2587.5	518004	2590.02
M	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595	519000	2595
H	522996	2614.98	522498	2612.49	522000	2610	521496	2607.48	520998	2604.99	520500	2602.5	519996	2599.98

NR Band 41 SCS30Hz																												
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 35MHz		Bandwidth 40MHz		Bandwidth 45MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz		
Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	
L	500202	2501.01	500700	2503.5	501204	2506.02	501702	2508.51	502200	2511	502704	2513.52	503202	2516.01	503700	2518.5	505200	2526	505200	2526	506202	2531.01	507204	2536.02	508200	2541	509202	2546.01
M	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99	518598	2592.99
H	537000	2685	536496	2682.48	535998	2679.99	535500	2677.5	534996	2674.98	534498	2672.49	534000	2670	533496	2667.48	531996	2659.98	531996	2659.98	531000	2655	529998	2649.99	528996	2644.98	528000	2640

NR Band 48 SCS30Hz											
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 30MHz		Bandwidth 40MHz		
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	
L	637000	3555	637168	3557.52	637334	3560.01	637668	3565.02	638000	3570	
M	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	
H	646332	3694.98	646166	3692.49	646000	3690	645666	3684.99	645332	3679.98	

NR Band 77 SCS30KHz																								
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647500	3712.5	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02	650000	3750
M	656000	3840	656000	3840	656000	3840	656000	3840.00	656000	3840.00	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840	656000	3840
H	665000	3975	664832	3972.48	664666	3969.99	664500	3967.50	664332	3964.98	664000	3960	663666	3954.99	663332	3949.98	663000	3945	662666	3939.99	662332	3934.98	662000	3930

NR Band 78 SCS30KHz																								
	Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	647000	3705	647168	3707.52	647334	3710.01	647500	3712.5	647668	3715.02	648000	3720	648334	3725.01	648668	3730.02	649000	3735	649334	3740.01	649668	3745.02		
M	650000	3750	650000	3750	650000	3750	650000	3750.00	650000	3750.00	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750	650000	3750
H	653000	3795	652832	3792.48	652666	3789.99	652500	3787.5	652332	3784.98	652000	3780	651666	3774.99	651332	3769.98	651000	3765	650666	3759.99	650332	3754.98		



For <3450 MHz ~ 3550 MHz >

NR Band 77 SCS30KHz																							
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L 630334	3455.01	630500	3457.5	630668	3460.02	630834	3462.51	631000	3465	631334	3470.01	631668	3475.02	632000	3480	632334	3485.01	632668	3490.02	633000	3495		
M 633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98
H 636332	3544.98	636166	3542.49	636000	3540	635832	3537.48	635666	3534.99	635332	3529.98	635000	3525	634666	3519.99	634332	3514.98	634000	3510	633666	3504.99		

NR Band 78 SCS30KHz																							
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L 630334	3455.01	630500	3457.5	630668	3460.02	630834	3462.51	631000	3465	631334	3470.01	631668	3475.02	632000	3480	632334	3485.01	632668	3490.02	633000	3495		
M 633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98	633332	3499.98
H 636332	3544.98	636166	3542.49	636000	3540	635832	3537.48	635666	3534.99	635332	3529.98	635000	3525	634666	3519.99	634332	3514.98	634000	3510	633666	3504.99		

For Part96

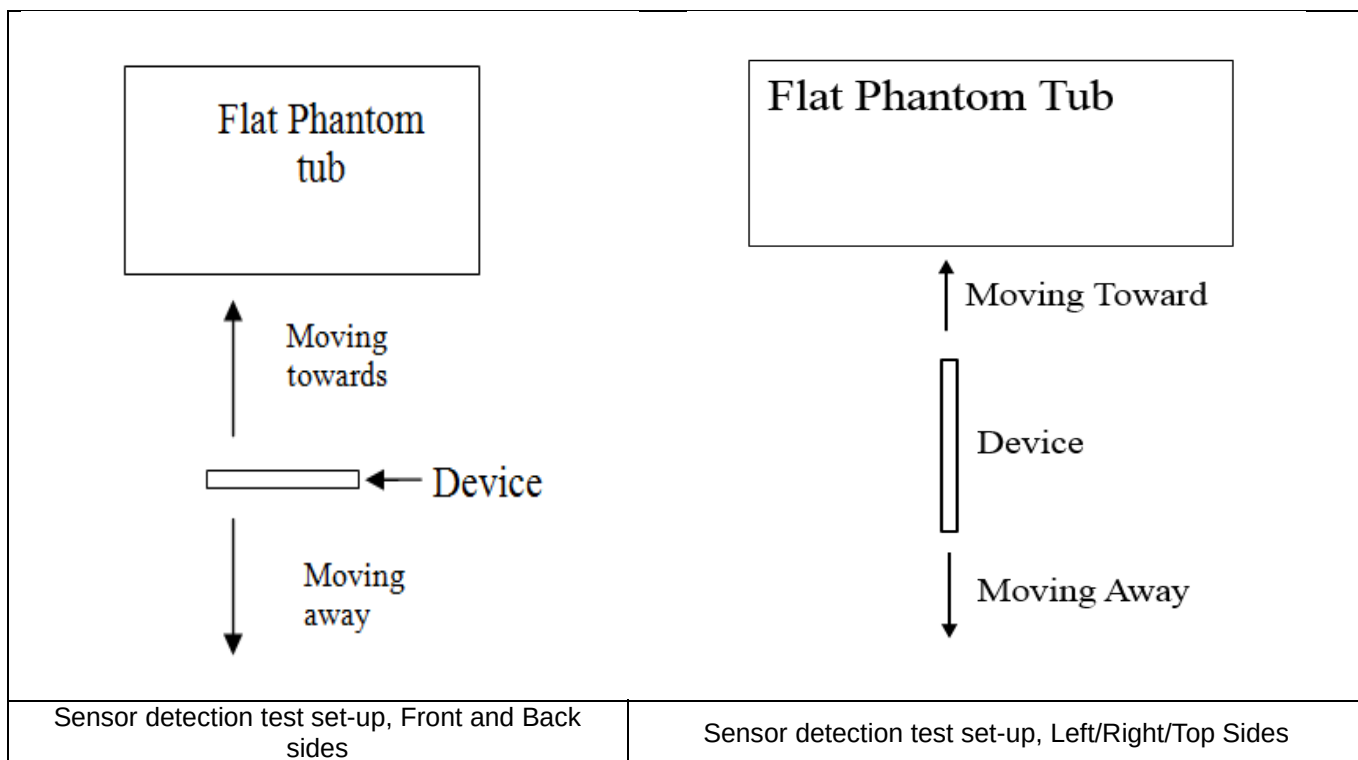
NR Band 77 SCS30KHz																							
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L 637000	3555	637168	3557.52	637334	3560.01	637500	3562.5	637668	3565.02	638000	3570	638334	3575.01	638668	3580.02	639000	3585	639334	3590.01	639668	3595.02	640000	3600
M 641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99
H 646332	3694.98	646166	3692.49	646000	3690	645832	3687.48	645666	3684.99	645332	3624.99	645000	3675	644666	3669.99	644332	3664.98	644000	3660	643666	3654.99	643332	3649.98

NR Band 78 SCS30KHz																							
Bandwidth 10MHz		Bandwidth 15MHz		Bandwidth 20MHz		Bandwidth 25MHz		Bandwidth 30MHz		Bandwidth 40MHz		Bandwidth 50MHz		Bandwidth 60MHz		Bandwidth 70MHz		Bandwidth 80MHz		Bandwidth 90MHz		Bandwidth 100MHz	
Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L 637000	3555	637168	3557.52	637334	3560.01	637500	3562.5	637668	3565.02	638000	3570	638334	3575.01	638668	3580.02	639000	3585	639334	3590.01	639668	3595.02	640000	3600
M 641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99	641666	3624.99
H 646332	3694.98	646166	3692.49	646000	3690	645832	3687.48	645666	3684.99	645332	3624.99	645000	3675	644666	3669.99	644332	3664.98	644000	3660	643666	3654.99	643332	3649.98

6. Proximity Sensor Triggering Test

<Proximity Sensor Triggering Distance>:

1. Proximity sensor triggering distance testing was performed according to the procedures outlined in KDB 616217 D04 section 6.2, and EUT moving further away from the flat phantom and EUT moving toward the flat phantom were both assessed and the tissue-equivalent medium for highest frequency (5850MHz) and lowest (1750MHz) frequency was used for proximity sensor triggering testing.
2. Capacitive proximity sensors placed coincident with antenna elements at the top and bottom ends of the phone are utilized to determine when the device comes in proximity of the user's body or finger or hand at the front or back or bottom or left or top side of the device. There is no need to do sensor coverage testing for the proximity sensor is designed to support sufficient detection range and sensitivity to cover regions of the sensors in all applicable directions since the proximity sensor entirely covers the antenna.
3. The sensors can use to detect the proximity of the user's body or handheld states at the front or back or right or left or top side of the device use a detection threshold distance. When front/back/left/right/top sides of body or handheld condition is detected reduced power will be active. The trigger distance shown in the sections below.
4. For verification of compliance of power reduction scheme, additional SAR testing with EUT transmitting at full RF power at a conservative trigger distance -1mm was performed:



<P-Sensor>

<Sensor for Ant3/4/5>

Proximity Sensor Triggering Distance (mm)										
Position	Front		Back		Left Side		Right Side		Top Side	
	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving towards	Moving towards	Moving towards	Moving towards	Moving away
Minimum	19	22	24	28	17	21	14	18	24	28

7. RF Exposure Limits

7.1 Uncontrolled Environment

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

7.2 Controlled Environment

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. The exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

8. Specific Absorption Rate (SAR)

8.1 Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

8.2 SAR Definition

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$\text{SAR} = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dv} \right)$$

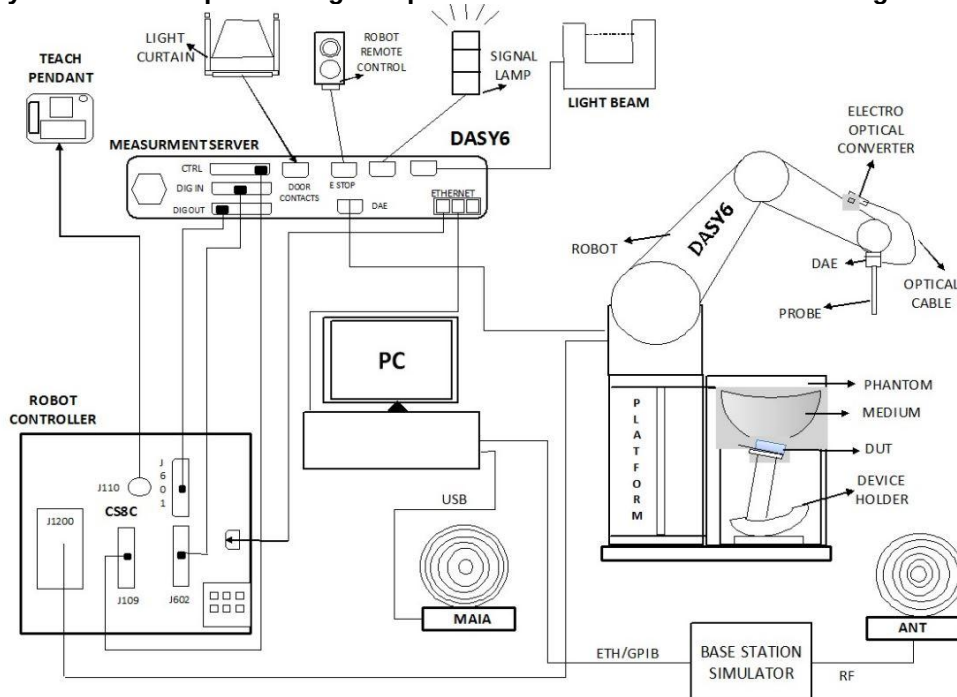
SAR is expressed in units of Watts per kilogram (W/kg)

$$\text{SAR} = \frac{\sigma |E|^2}{\rho}$$

Where: σ is the conductivity of the tissue, ρ is the mass density of the tissue and E is the RMS electrical field strength.

9. System Description and Setup

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 Win7 or Win10 and the DASY5 or DASY6 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.

9.1 E-Field Probe

The SAR measurement is conducted with the dosimetric probe (manufactured by SPEAG). The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. This probe has a built in optical surface detection system to prevent from collision with phantom.

<EX3DV4 Probe>

Construction	Symmetric design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	4 MHz – 10 GHz Linearity: ± 0.2 dB (30 MHz – 10 GHz)	
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)	
Dynamic Range	10 μ W/g – >100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)	
Dimensions	Overall length: 337 mm (tip: 20 mm) Tip diameter: 2.5 mm (body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	

9.2 Data Acquisition Electronics (DAE)

The data acquisition electronics (DAE) consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information as well as an optical uplink for commands and the clock.

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.



Photo of DAE

9.3 Phantom

<SAM Twin Phantom>

Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm	
Filling Volume	Approx. 25 liters	
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet	
Measurement Areas	Left Hand, Right Hand, Flat Phantom	

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

<ELI Phantom>

Shell Thickness	2 ± 0.2 mm (sagging: <1%)	
Filling Volume	Approx. 30 liters	
Dimensions	Major ellipse axis: 600 mm Minor axis: 400 mm	

The ELI phantom is intended for compliance testing of handheld and body-mounted wireless devices or for evaluating transmitters operating at low frequencies. ELI is fully compatible with standard and all known tissue simulating liquids.

9.4 Device Holder

<Mounting Device for Hand-Held Transmitter>

In combination with the Twin SAM V5.0/V5.0c or ELI phantoms, the Mounting Device for Hand-Held Transmitters enables rotation of the mounted transmitter device to specified spherical coordinates. At the heads, the rotation axis is at the ear opening. Transmitter devices can be easily and accurately positioned according to IEC 62209-1, IEEE 1528, FCC, or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat). And upgrade kit to Mounting Device to enable easy mounting of wider devices like big smart-phones, e-books, small tablets, etc. It holds devices with width up to 140 mm.



Mounting Device for Hand-Held Transmitters



Mounting Device Adaptor for Wide-Phones

<Mounting Device for Laptops and other Body-Worn Transmitters>

The extension is lightweight and made of POM, acrylic glass and foam. It fits easily on the upper part of the mounting device in place of the phone positioned. The extension is fully compatible with the SAM Twin and ELI phantoms.



Mounting Device for Laptops

10. Measurement Procedures

The measurement procedures are as follows:

<Conducted power measurement>

- (a) For WWAN power measurement, use base station simulator to configure EUT WWAN transmission in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.
- (b) Read the WWAN RF power level from the base station simulator.
- (c) For WLAN/BT power measurement, use engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power in each supported wireless interface and frequency band
- (d) Connect EUT RF port through RF cable to the power meter, and measure WLAN/BT output power

<SAR measurement>

- (a) Use base station simulator to configure EUT WWAN transmission in radiated connection, and engineering software to configure EUT WLAN/BT continuously transmission, at maximum RF power, in the highest power channel.
- (b) Place the EUT in the positions as Appendix D demonstrates.
- (c) Set scan area, grid size and other setting on the DASY software.
- (d) Measure SAR results for the highest power channel on each testing position.
- (e) Find out the largest SAR result on these testing positions of each band
- (f) Measure SAR results for other channels in worst SAR testing position if the reported SAR of highest power channel is larger than 0.8 W/kg

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

10.1 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The DASY software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine (SEMCAD). The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data (A/D values and measurement parameters)
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values from the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3-D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g

10.2 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. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

10.3 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 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 FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

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

10.4 Zoom Scan

Zoom scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1 gram and 10 gram 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 gram and 10 gram and displays these values next to the job's label.

Zoom scan parameters extracted from FCC KDB 865664 D01v01r04 SAR measurement 100 MHz to 6 GHz.

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

10.5 Volume Scan Procedures

The volume scan is used to assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing. When all volume scan were completed, the software, SEMCAD postprocessor can combine and subsequently superpose these measurement data to calculating the multiband SAR.

10.6 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In DASy measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drifts more than 5%, the SAR will be retested.

11. Test Equipment List

Manufacturer	Name of Equipment	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
SPEAG	750MHz System Validation Kit	D750V3	1099	Dec. 13, 2024	Dec. 11, 2026
SPEAG	835MHz System Validation Kit	D835V2	4d162	Dec. 13, 2024	Dec. 11, 2026
SPEAG	1750MHz System Validation Kit	D1750V2	1137	Oct. 15, 2024	Oct. 13, 2026
SPEAG	1900MHz System Validation Kit	D1900V2	5d182	Dec. 16, 2024	Dec. 14, 2026
SPEAG	2300MHz System Validation Kit	D2300V2	1056	Oct. 16, 2024	Oct. 14, 2026
SPEAG	2450MHz System Validation Kit	D2450V2	924	Nov. 03, 2023	Nov. 01, 2026
SPEAG	2600MHz System Validation Kit	D2600V2	1070	Dec. 13, 2024	Dec. 11, 2026
SPEAG	3500MHz System Validation Kit	D3500V2	1037	Nov. 20, 2023	Nov. 17, 2026
SPEAG	3700MHz System Validation Kit	D3700V2	1008	Nov. 20, 2023	Nov. 17, 2026
SPEAG	3900MHz System Validation Kit	D3900V2	1022	Aug. 13, 2025	Aug. 12, 2026
SPEAG	5000MHz System Validation Kit	D5GHzV2	1341	Dec. 12, 2024	Dec. 10, 2026
SPEAG	13MHz System Validation Kit	CLA13	1023	Feb. 18, 2026	Feb. 17, 2027
SPEAG	Data Acquisition Electronics	DAE4	1664	Jan. 07, 2026	Jan. 06, 2027
SPEAG	Data Acquisition Electronics	DAE4	1210	Nov. 28, 2025	Nov. 27, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	7641	Jun. 26, 2025	Jun. 25, 2026
SPEAG	Dosimetric E-Field Probe	EX3DV4	3819	Sep. 11, 2025	Sep. 10, 2026
SPEAG	ELI Phantom	QD OVA 002 AA	1233	NCR	NCR
SPEAG	SAM Twin Phantom	QD 000 P40 CD	1795	NCR	NCR
SPEAG	ELI Phantom	QD OVA 002 AA	1232	NCR	NCR
SPEAG	Phone Positioner	N/A	N/A	NCR	NCR
Anritsu	Radio communication analyzer	MT8820C	6201300653	Jul. 03, 2025	Jul. 02, 2026
Anritsu	Radio communication analyzer	MT8821C	6272416837	Mar. 30, 2026	Mar. 29, 2027
Anritsu	Radio communication analyzer	MT8821C	6262314715	Jul. 03, 2025	Jul. 02, 2026
Anritsu	Radio communication analyzer	MT8821C	6272278319	Jul. 03, 2025	Jul. 02, 2026
Keysight	Network Analyzer	E5071C	MY46523671	Oct. 14, 2025	Oct. 13, 2026
Speag	Dielectric Assessment KIT	DAK-3.5	1144	Aug. 26, 2025	Aug. 25, 2026
Speag	Dielectric Assessment KIT	DAK-12	1170	Aug. 22, 2025	Aug. 21, 2026
Agilent	Signal Generator	N5181A	MY50145381	Dec. 25, 2025	Dec. 24, 2026
R&S	Signal Generator	SMB100A	175779	Dec. 24, 2025	Dec. 23, 2026
Anritsu	Power Sensor	MA2411B	1306099	Oct. 14, 2025	Oct. 13, 2026
Anritsu	Power Meter	ML2495A	1349001	Oct. 14, 2025	Oct. 13, 2026
R&S	Power Sensor	NRP50S	101548	Dec. 25, 2025	Dec. 24, 2026
R&S	Power Sensor	NRPZ51	103113	Mar. 30, 2026	Mar. 29, 2027
R&S	Power Sensor	NRP8S	109228	Mar. 30, 2026	Mar. 29, 2027
Anritsu	Power Sensor	MA2411B	1218010	Oct. 14, 2025	Oct. 13, 2026
Anritsu	Power Meter	ML2495A	1339473	Dec. 24, 2025	Dec. 23, 2026
R&S	CBT BLUETOOTH TESTER	CBT	100963	Dec. 24, 2025	Dec. 23, 2026
R&S	Spectrum Analyzer	FSP7	100818	Jul. 03, 2025	Jul. 02, 2026
TES	Hygrometer	1310	200505600	Jul. 05, 2025	Jul. 04, 2026
Anymetre	Thermo-Hygrometer	JR593	2015030903	Dec. 26, 2025	Dec. 25, 2026
Anymetre	Thermo-Hygrometer	JR593	2020062101	Jul. 05, 2025	Jul. 04, 2026
SPEAG	Device Holder	N/A	N/A	N/A	N/A
AR	Amplifier	5S1G4	0333096	Note 1	
Mini-Circuits	Amplifier	ZVE-3W-83+	599201528	Note 1	
Mini-Circuits	Amplifier	ZVA-183W-S+	726202215	Note 1	
ARRA	Power Divider	A3200-2	N/A	Note 1	
ET Industries	Dual Directional Coupler	C-058-10	N/A	Note 1	
Jinkexinhua	Attenuator	10db-8G	N/A	Note 1	

Note:

- Prior to system verification and validation, the path loss from the signal generator to the system check source and the power meter, which includes the amplifier, cable, attenuator and directional coupler, was measured by the



- network analyzer. The reading of the power meter was offset by the path loss difference between the path to the power meter and the path to the system check source to monitor the actual power level fed to the system check.
2. Referring to KDB 865664 D01v01r04, the dipole calibration interval can be extended to 3 years with justification. The dipoles are also not physically damaged, or repaired during the interval.
 3. The justification data of dipole can be found in appendix C. The return loss is < -20dB, within 20% of prior calibration, the impedance is within 5 ohm of prior calibration.

12. System Verification

12.1 Tissue Simulating Liquids

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with around 25 liters of homogeneous body tissue simulating liquid. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 11.1. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm, which is shown in Fig. 11.2.

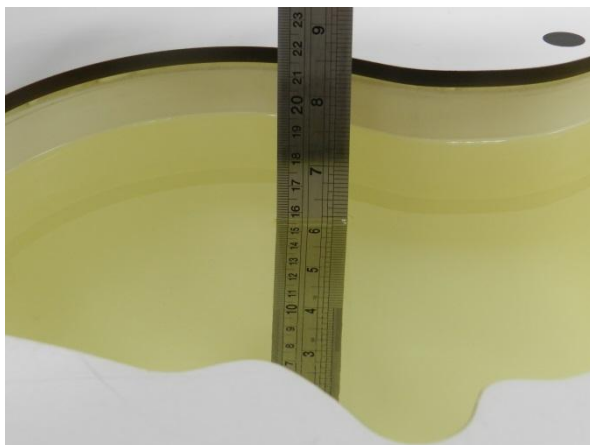


Fig 11.1 Photo of Liquid Height for Head SAR



Fig 11.2 Photo of Liquid Height for Body SAR

12.2 Tissue Verification

The following tissue formulations are provided for reference only as some of the parameters have not been thoroughly verified. The composition of ingredients may be modified accordingly to achieve the desired target tissue parameters required for routine SAR evaluation.

Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity (σ)	Permittivity (ϵ_r)
For Head								
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.40	40.0
2450	55.0	0	0	0	0	45.0	1.80	39.2
2600	54.8	0	0	0.1	0	45.1	1.96	39.0

Simulating Liquid for 5GHz, Manufactured by SPEAG

Ingredients	(% by weight)
Water	64~78%
Mineral oil	11~18%
Emulsifiers	9~15%
Additives and Salt	2~3%

<Tissue Dielectric Parameter Check Results>

Frequency (MHz)	Tissue Type	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ε _r)	Conductivity Target (σ)	Permittivity Target (ε _r)	Delta (σ) (%)	Delta (ε _r) (%)	Limit (%)	Date
750	Head	22.8	0.930	42.954	0.89	41.90	4.49	2.52	±5	2026/4/5
750	Head	22.4	0.912	42.600	0.89	41.90	2.47	1.67	±5	2026/4/17
835	Head	22.6	0.925	42.021	0.90	41.50	2.78	1.26	±5	2026/4/7
835	Head	22.7	0.933	43.100	0.90	41.50	3.67	3.86	±5	2026/4/19
1750	Head	22.3	1.382	40.850	1.37	40.10	0.88	1.87	±5	2026/4/9
1750	Head	22.6	1.380	39.700	1.37	40.10	0.73	-1.00	±5	2026/4/18
1900	Head	22.7	1.452	40.460	1.40	40.00	3.71	1.15	±5	2026/4/6
1900	Head	22.3	1.430	41.900	1.40	40.00	2.14	4.75	±5	2026/4/20
2300	Head	22.4	1.632	40.264	1.67	39.50	-2.28	1.93	±5	2026/4/8
2300	Head	22.6	1.660	38.400	1.67	39.50	-0.60	-2.78	±5	2026/4/21
2450	Head	22.8	1.750	39.891	1.80	39.20	-2.78	1.76	±5	2026/4/11
2450	Head	22.5	1.830	40.200	1.80	39.20	1.67	2.55	±5	2026/4/23
2600	Head	22.3	1.958	39.411	1.96	39.00	-0.10	1.05	±5	2026/4/13
2600	Head	22.7	1.920	40.500	1.96	39.00	-2.04	3.85	±5	2026/4/22
3500	Head	22.6	2.852	37.181	2.91	37.90	-1.99	-1.90	±5	2026/4/10
3500	Head	22.4	2.790	37.800	2.91	37.90	-4.12	-0.26	±5	2026/4/19
3700	Head	22.8	3.011	36.950	3.12	37.70	-3.49	-1.99	±5	2026/4/12
3700	Head	22.5	3.180	38.700	3.12	37.70	1.92	2.65	±5	2026/4/18
3900	Head	22.7	3.221	36.718	3.33	37.51	-3.27	-2.11	±5	2026/4/14
3900	Head	22.6	3.210	38.800	3.33	37.51	-3.60	3.44	±5	2026/4/22
5250	Head	22.3	4.553	34.831	4.71	35.95	-3.33	-3.11	±5	2026/4/16
5250	Head	22.8	4.530	35.900	4.71	35.95	-3.82	-0.14	±5	2026/4/23
5600	Head	22.4	4.935	34.560	5.07	35.50	-2.66	-2.65	±5	2026/4/15
5600	Head	22.5	4.920	36.100	5.07	35.50	-2.96	1.69	±5	2026/4/21
5800	Head	22.7	5.170	33.917	5.27	35.30	-1.90	-3.92	±5	2026/4/14
5800	Head	22.3	5.250	35.400	5.27	35.30	-0.38	0.28	±5	2026/4/25
13	Head	22.3	0.727	54.400	0.75	55.00	-3.07	-1.09	±5	2026/4/21

12.3 System Performance Check Results

Comparing to the original SAR value provided by SPEAG, the verification data should be within its specification of 10 %. Below table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance check can meet the variation criterion and the plots can be referred to Appendix A of this report.

Date	Frequency (MHz)	Tissue Type	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
2026/4/5	750	Head	250	D750V3-1099	EX3DV4 - SN3819	DAE4 Sn1664	2.070	8.280	8.28	0.00	1.330	5.370	5.32	-0.93
2026/4/17	750	Head	250	D750V3-1099	EX3DV4 - SN7641	DAE4 Sn1210	2.010	8.280	8.04	-2.90	1.310	5.370	5.24	-2.42
2026/4/7	835	Head	250	D835V2-4d162	EX3DV4 - SN3819	DAE4 Sn1664	2.190	9.080	8.76	-3.52	1.490	5.850	5.96	1.88
2026/4/19	835	Head	250	D835V2-4d162	EX3DV4 - SN7641	DAE4 Sn1210	2.180	9.080	8.72	-3.96	1.420	5.850	5.68	-2.91
2026/4/9	1750	Head	250	D1750V2-1137	EX3DV4 - SN3819	DAE4 Sn1664	9.760	36.800	39.04	6.09	5.250	19.600	21	7.14
2026/4/18	1750	Head	250	D1750V2-1137	EX3DV4 - SN7641	DAE4 Sn1210	9.280	36.800	37.12	0.87	4.740	19.600	18.96	-3.27
2026/4/6	1900	Head	250	D1900V2-5d182	EX3DV4 - SN3819	DAE4 Sn1664	9.870	39.800	39.48	-0.80	5.150	21.000	20.6	-1.90
2026/4/20	1900	Head	250	D1900V2-5d182	EX3DV4 - SN7641	DAE4 Sn1210	9.470	39.800	37.88	-4.82	4.960	21.000	19.84	-5.52
2026/4/8	2300	Head	250	D2300V2-1056	EX3DV4 - SN3819	DAE4 Sn1664	11.900	48.600	47.6	-2.06	5.650	23.400	22.6	-3.42
2026/4/21	2300	Head	250	D2300V2-1056	EX3DV4 - SN7641	DAE4 Sn1210	12.400	48.600	49.6	2.06	6.080	23.400	24.32	3.93
2026/4/11	2450	Head	250	D2450V2-924	EX3DV4 - SN3819	DAE4 Sn1664	13.300	52.300	53.2	1.72	6.180	24.500	24.72	0.90
2026/4/23	2450	Head	250	D2450V2-924	EX3DV4 - SN7641	DAE4 Sn1210	13.200	52.300	52.8	0.96	6.130	24.500	24.52	0.08
2026/4/13	2600	Head	250	D2600V2-1070	EX3DV4 - SN3819	DAE4 Sn1664	14.200	56.500	56.8	0.53	6.170	25.200	24.68	-2.06
2026/4/22	2600	Head	250	D2600V2-1070	EX3DV4 - SN7641	DAE4 Sn1210	14.100	56.500	56.4	-0.18	6.180	25.200	24.72	-1.90
2026/4/10	3500	Head	100	D3500V2-1037	EX3DV4 - SN3819	DAE4 Sn1664	6.100	65.400	61	-6.73	2.320	24.700	23.2	-6.07
2026/4/19	3500	Head	100	D3500V2-1037	EX3DV4 - SN7641	DAE4 Sn1210	6.710	65.400	67.1	2.60	2.610	24.700	26.1	5.67
2026/4/12	3700	Head	100	D3700V2-1008	EX3DV4 - SN3819	DAE4 Sn1664	6.800	67.200	68	1.19	2.510	24.400	25.1	2.87
2026/4/18	3700	Head	100	D3700V2-1008	EX3DV4 - SN7641	DAE4 Sn1210	6.620	67.200	66.2	-1.49	2.420	24.400	24.2	-0.82
2026/4/14	3900	Head	100	D3900V2-1022	EX3DV4 - SN3819	DAE4 Sn1664	6.720	70.100	67.2	-4.14	2.290	24.600	22.9	-6.91
2026/4/22	3900	Head	100	D3900V2-1022	EX3DV4 - SN7641	DAE4 Sn1210	6.770	70.100	67.7	-3.42	2.340	24.600	23.4	-4.88
2026/4/16	5250	Head	100	D5GHzV2-1341	EX3DV4 - SN3819	DAE4 Sn1664	7.590	79.100	75.9	-4.05	2.090	22.400	20.9	-6.70
2026/4/23	5250	Head	100	D5GHzV2-1341	EX3DV4 - SN7641	DAE4 Sn1210	7.930	79.100	79.3	0.25	2.190	22.400	21.9	-2.23
2026/4/15	5600	Head	100	D5GHzV2-1341	EX3DV4 - SN3819	DAE4 Sn1664	7.840	82.800	78.4	-5.31	2.250	23.800	22.5	-5.46
2026/4/21	5600	Head	100	D5GHzV2-1341	EX3DV4 - SN7641	DAE4 Sn1210	7.980	82.800	79.8	-3.62	2.280	23.800	22.8	-4.20
2026/4/14	5800	Head	100	D5GHzV2-1341	EX3DV4 - SN3819	DAE4 Sn1664	7.980	79.900	79.8	-0.13	2.170	22.900	21.7	-5.24
2026/4/25	5800	Head	100	D5GHzV2-1341	EX3DV4 - SN7641	DAE4 Sn1210	8.010	79.900	80.1	0.25	2.220	22.900	22.2	-3.06
2026/4/21	13	Head	250	CLA13-1023	EX3DV4 - SN7641	DAE4 Sn1210	0.141	0.588	0.564	-4.41	0.092	0.360	0.368	2.22

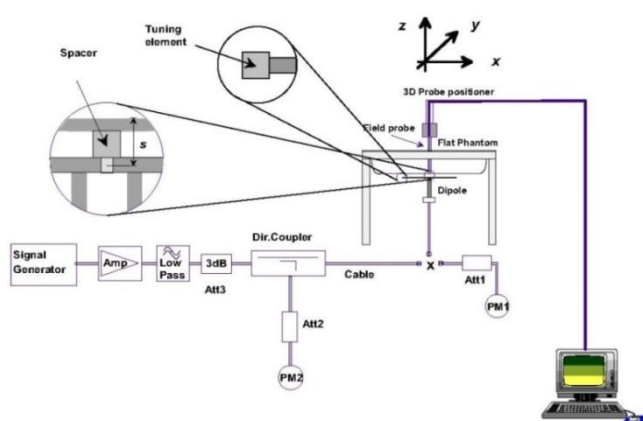


Fig 11.3.1 System Performance Check Setup



Fig 11.3.2 Setup Photo



Fig 8.3.2 Setup Photo

13. RF Exposure Positions

13.1 Ear and handset reference point

Figure 12.1.1 shows the front, back, and side views of the SAM phantom. The center-of-mouth reference point is labeled “M,” the left ear reference point (ERP) is marked “LE,” and the right ERP is marked “RE.” Each ERP is 15 mm along the B-M (back-mouth) line behind the entrance-to-ear-canal (EEC) point, as shown in Figure 12.1.2 The Reference Plane is defined as passing through the two ear reference points and point M. The line N-F (neck-front), also called the reference pivoting line, is normal to the Reference Plane and perpendicular to both a line passing through RE and LE and the B-M line (see Figure 12.1.3). Both N-F and B-M lines should be marked on the exterior of the phantom shell to facilitate handset positioning. Posterior to the N-F line the ear shape is a flat surface with 6 mm thickness at each ERP, and forward of the N-F line the ear is truncated, as illustrated in Figure 12.1.2. The ear truncation is introduced to preclude the ear lobe from interfering with handset tilt, which could lead to unstable positioning at the cheek.

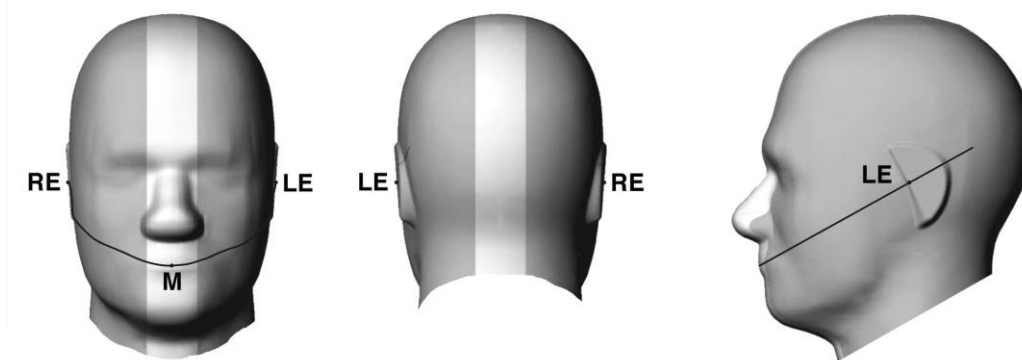


Fig 12.1.1 Front, back, and side views of SAM twin phantom

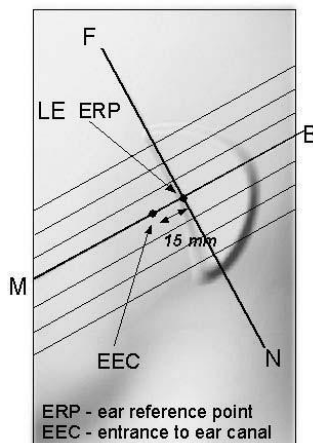


Fig 12.1.2 Close-up side view of phantom showing the ear region.

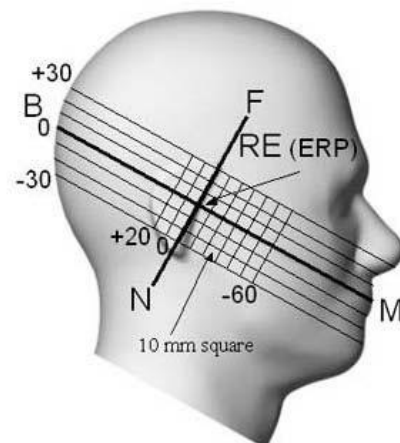


Fig 12.1.3 Side view of the phantom showing relevant markings and seven cross-sectional plane locations

13.2 Definition of the cheek position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. Define two imaginary lines on the handset—the vertical centerline and the horizontal line. The vertical centerline passes through two points on the front side of the handset—the midpoint of the width w_t of the handset at the level of the acoustic output (point A in Figure 12.2.1 and Figure 12.2.2), and the midpoint of the width w_b of the bottom of the handset (point B). The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output (see Figure 12.2.1). The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily parallel to the front face of the handset (see Figure 12.2.2), especially for clamshell handsets, handsets with flip covers, and other irregularly-shaped handsets.
3. Position the handset close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Figure 12.2.3), such that the plane defined by the vertical centerline and the horizontal line of the handset is approximately parallel to the sagittal plane of the phantom.
4. Translate the handset towards the phantom along the line passing through RE and LE until handset point A touches the pinna at the ERP.
5. While maintaining the handset in this plane, rotate it around the LE-RE line until the vertical centerline is in the plane normal to the plane containing B-M and N-F lines, i.e., the Reference Plane.
6. Rotate the handset around the vertical centerline until the handset (horizontal line) is parallel to the N-F line.
7. While maintaining the vertical centerline in the Reference Plane, keeping point A on the line passing through RE and LE, and maintaining the handset contact with the pinna, rotate the handset about the N-F line until any point on the handset is in contact with a phantom point below the pinna on the cheek. See Figure 12.2.3. The actual rotation angles should be documented in the test report.

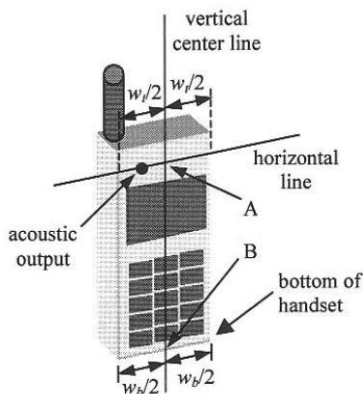


Fig 12.2.1 Handset vertical and horizontal reference lines—"fixed case"

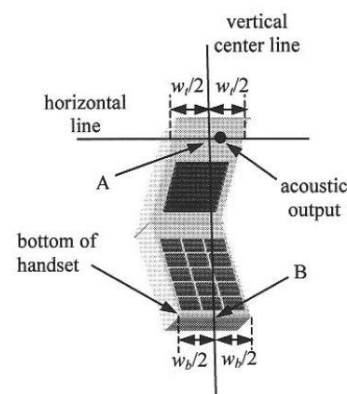


Fig 12.2.2 Handset vertical and horizontal reference lines—"clam-shell case"

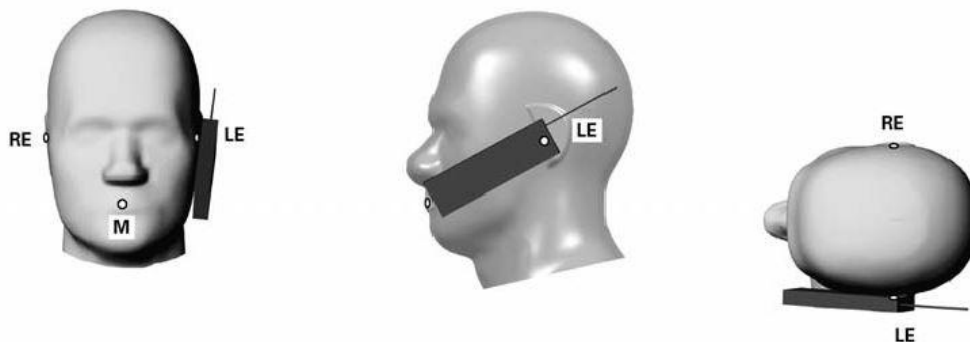


Fig 12.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

13.3 Definition of the tilt position

1. Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.
2. While maintaining the orientation of the handset, move the handset away from the pinna along the line passing through RE and LE far enough to allow a rotation of the handset away from the cheek by 15°.
3. Rotate the handset around the horizontal line by 15°.
4. While maintaining the orientation of the handset, move the handset towards the phantom on the line passing through RE and LE until any part of the handset touches the ear. The tilt position is obtained when the contact point is on the pinna. See Figure 12.3.1. If contact occurs at any location other than the pinna, e.g., the antenna at the back of the phantom head, the angle of the handset should be reduced. In this case, the tilt position is obtained if any point on the handset is in contact with the pinna and a second point

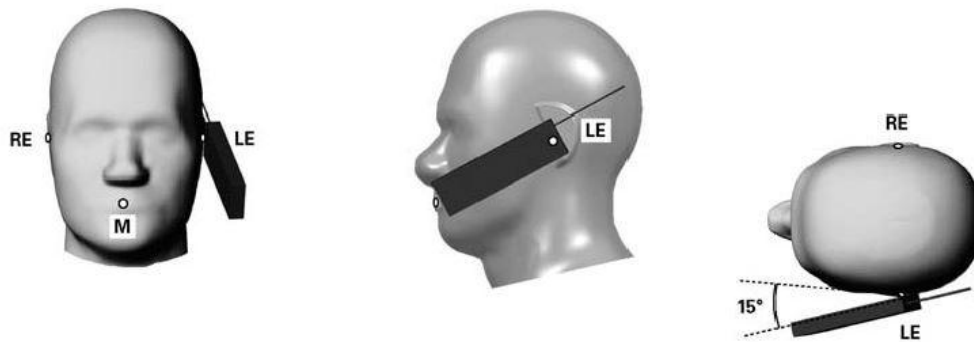


Fig 12.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

13.4 Body Worn Accessory

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 11.4). Per KDB648474 D04v01r03, body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB 447498 D01v06 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for body-worn accessory, measured without a headset connected to the handset is $> 1.2 \text{ W/kg}$, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a handset attached to the handset.

Accessories for body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are test with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

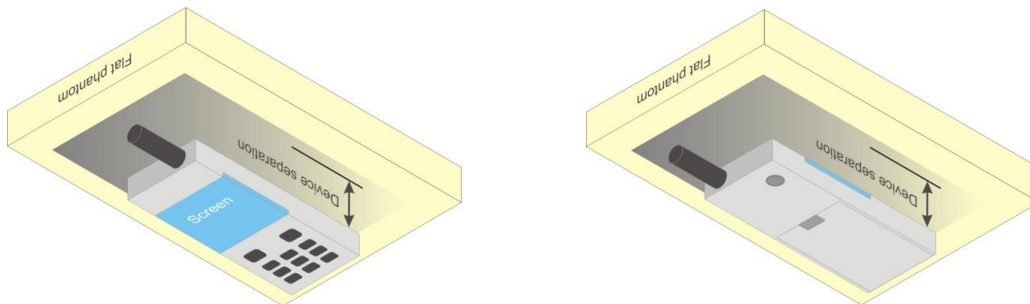


Fig 12.4 Body Worn Position

13.5 Product Specific 10g SAR Exposure

For smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, that can provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets and support voice calls next to the ear, According to KDB648474 D04v01r03, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance

1. The normally required head and body-worn accessory SAR test procedures for handsets, including hotspot mode, must be applied.
2. The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions.⁶ The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

13.6 Wireless Router

Some battery-operated handsets have the capability to transmit and receive user through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 v02r01 where SAR test considerations for handsets ($L \times W \geq 9$ cm x 5 cm) are based on a composite test separation distance of 10mm from the front, back and edges of the device containing transmitting antennas within 2.5cm of their edges, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WIFI transmitter according to FCC KDB Publication 447498 D01v06 publication procedures. The "Portable Hotspot" feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.



14. Conducted RF Output Power (Unit: dBm)

The detailed conducted power table can refer to Appendix E.



15. Antenna Location

The detailed antenna location information can refer to SAR Test Setup Photos.

16. Spot Check SAR and Full test SAR Results

General Note:

1. According to section 3.3, spot check conducted power test against the variant project based on the worst-case SAR condition from the original project was performed in this filing to demonstrate the test data from original project remains representative for the variant project. Detail Conducted power measurement referred to appendix E.
2. SAR spot check verification on the worst cases from the original model was performed to demonstrate that the test data from original model remains representative for the variant model.
3. Per KDB 484596 D01 v03, the variant filings must demonstrate that the referenced test data remain valid for the variant device by including spot-check measurements that meet the following criteria:

- a. Operating in linear units, the relative difference (expressed as a percentage) between the TER of the variant (TER_V) and that of the parent model used as a reference (TER_R) is defined as

$$DTER = | TER_V - TER_R | / TER_R \quad (5)$$

and the acceptance criterion for the spot-check on the variant will be:

$$d_{TER} \leq d_{TERmax} \quad (6)$$

where d_{TERmax} , to be defined further below, is the maximum acceptable d_{TER} , and all the quantities are expressed in linear units.

- b. The maximum d_{TER} allowed for the spot-check to be deemed acceptable, is established based on the compliance margin M corresponding to the worst-case test scenario (i.e., the most challenging from the compliance perspective) for the parent model. The margin M is defined as

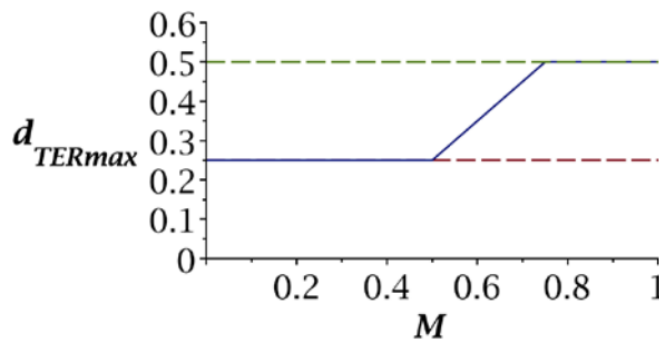
$$M = | TER_T - TER_R | = 1 - TER_R \quad (7)$$

where TER_T is the TER corresponding to the compliance threshold, which is always $TER_T = 1$.

- c. The threshold d_{TERmax} is defined as function of the margin M to provide values between 25% and 50%, linearly increasing between $M = 0.5$ (50% of the compliance limit) and $M = 0.75$ (75% of the compliance limit), in accordance with the following expression:

$$d_{TERmax}(M) = \begin{cases} 0.25 & , \text{ for } 0 \leq M < 0.5 \\ M - 0.25 & , \text{ for } 0.5 \leq M < 0.75 \\ 0.5 & , \text{ for } 0.75 \leq M \end{cases} \quad (8)$$

and the following Figure shows a plot of $d_{TERmax}(M)$.



The piecewise linear function for $d_{TERmax}(M)$ in (8), which represents the maximum allowed d_{TER} , is the relative difference between the variant and parent model as defined by eq.

(6). The spot-check is considered acceptable when the d_{TER} is below the curve $d_{TERmax}(M)$.

4. The Spot check results showed that Deviation of the SAR results all are met $d_{TER} < d_{TERmax}(M)$, thus the spot-check yields an acceptable condition.
5. 1st as parent model, 2nd as variant model.



16.1 Head SAR

Plot No.	No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Deviation (%)	TER _h	TER _v	M	d _{TERmax}	d _{TER}	Pass Criterion	
750MHz																													
01	1st	LTE Band 71	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	133297	680.5	23.92	25.00	1.282	-	-	-0.03	0.238	0.305	11.8%	0.191	0.213	0.809	0.50	0.12	PASS	
	2nd	LTE Band 71	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	133297	680.5	23.91	25.00	1.285	-	-	-0.01	0.265	0.341								
02	1st	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	23095	707.5	23.83	25.00	1.309	-	-	0.04	0.221	0.289	44.6%	0.181	0.261	0.819	0.50	0.45	PASS	
	2nd	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	23095	707.5	23.81	25.00	1.315	-	-	0.08	0.318	0.418								
03	1st	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	23230	782	24.05	25.00	1.245	-	-	0.13	0.277	0.345	29.0%	0.216	0.278	0.784	0.50	0.29	PASS	
	2nd	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	23230	782	24.01	25.00	1.256	-	-	0.03	0.354	0.445								
04	1st	FR1 n71	30M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	Receiver on	136100	680.5	23.29	25.00	1.483	-	-	-0.05	0.176	0.261	27.2%	0.163	0.208	0.837	0.50	0.27	PASS	
	2nd	FR1 n71	30M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	Receiver on	136100	680.5	23.23	25.00	1.503	-	-	0.13	0.221	0.332								
835MHz																													
05	1st	GSM850	-	-	-	-	GPRS 2TX Slot	Right Cheek	0mm	Ant 0	Receiver on	251	848.8	32.11	33.00	1.227	-	-	0.06	0.483	0.593	17.9%	0.371	0.437	0.629	0.38	0.18	PASS	
	2nd	GSM850	-	-	-	-	GPRS 2TX Slot	Right Cheek	0mm	Ant 0	Receiver on	251	848.8	32.09	33.00	1.233	-	-	0.09	0.567	0.699								
06	1st	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	Receiver on	4233	846.6	23.49	24.50	1.262	-	-	0.09	0.340	0.429	-8.6%	0.268	0.245	0.732	0.48	0.09	PASS	
	2nd	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	Receiver on	4233	846.6	23.41	24.50	1.285	-	-	0.04	0.305	0.392								
07	1st	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	26865	831.5	24.06	25.00	1.242	-	-	-0.06	0.331	0.411	-14.8%	0.257	0.219	0.743	0.49	0.15	PASS	
	2nd	LTE Band 26	15M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	26865	831.5	23.89	25.00	1.291	-	-	0.12	0.271	0.350								
08	1st	FR1 n5	25M	QPSK	64	32	DFT-15	Right Cheek	0mm	Ant 0	Receiver on	167300	836.5	23.78	25.00	1.324	-	-	0.07	0.235	0.311	24.8%	0.194	0.243	0.806	0.50	0.25	PASS	
	2nd	FR1 n5	25M	QPSK	64	32	DFT-15	Right Cheek	0mm	Ant 0	Receiver on	167300	836.5	23.71	25.00	1.346	-	-	-0.03	0.288	0.388								
1750MHz																													
09	1st	WCDMA IV					RMC 12.2Kbps	Right Tilted	0mm	Ant 3	Receiver on	1413	1732.6	13.95	15.50	1.429	-	-	0.04	0.610	0.872	-1.0%	0.545	0.539	0.455	0.25	0.01	PASS	
	2nd	WCDMA IV					RMC 12.2Kbps	Right Tilted	0mm	Ant 3	Receiver on	1413	1732.6	13.81	15.50	1.476	-	-	-0.01	0.585	0.863								
10	1st	LTE Band 66	20M	QPSK	1	0		Right Tilted	0mm	Ant 3	Receiver on	132572	1770	14.99	16.50	1.416	-	-	-0.08	0.581	0.823	24.4%	0.514	0.640	0.486	0.25	0.24	PASS	
	2nd	LTE Band 66	20M	QPSK	1	0		Right Tilted	0mm	Ant 3	Receiver on	132572	1770	14.85	16.50	1.462	-	-	0.02	0.700	1.024								
11	1st	FR1 n66	45M	QPSK	120	60	DFT-15	Right Tilted	0mm	Ant 3	Receiver on	349000	1745	18.26	18.50	1.057	-	-	0.08	0.763	0.806	17.7%	0.504	0.593	0.496	0.25	0.18	PASS	
	2nd	FR1 n66	45M	QPSK	120	60	DFT-15	Right Tilted	0mm	Ant 3	Receiver on	349000	1745	17.99	18.50	1.125	-	-	0.02	0.844	0.949								
1900Mhz																													
12	1st	GSM1900	-	-	-	-	GPRS 2TX Slot	Right Tilted	0mm	Ant 3	Receiver on	810	1909.8	19.17	20.50	1.358	-	-	0.16	0.635	0.863	-18.9%	0.539	0.438	0.461	0.25	0.19	PASS	
	2nd	GSM1900	-	-	-	-	GPRS 2TX Slot	Right Tilted	0mm	Ant 3	Receiver on	810	1909.8	19.11	20.50	1.377	-	-	-0.09	0.508	0.700								
13	1st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 3	Receiver on	9262	1852.4	15.33	16.50	1.309	-	-	-0.13	0.637	0.834	19.5%	0.521	0.623	0.479	0.25	0.20	PASS	
	2nd	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 3	Receiver on	9262	1852.4	15.00	16.50	1.413	-	-	0.05	0.706	0.997								
14	1st	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	Receiver on	26140	1860	16.53	17.50	1.250	-	-	0.06	0.659	0.824	-1.1%	0.515	0.509	0.485	0.25	0.01	PASS	
	2nd	LTE Band 25	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	Receiver on	26140	1860	16.25	17.50	1.334	-	-	0.08	0.611	0.815								
15	1st	FR1 n25	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 3	Receiver on	376500	1882.5	15.00	16.50	1.413	-	-	0.03	0.617	0.872	-5.4%	0.545	0.516	0.455	0.25	0.05	PASS	
	2nd	FR1 n25	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 3	Receiver on	376500	1882.5	14.97	16.50	1.422	-	-	0.15	0.580	0.825								
2300Mhz																													
16	1st	LTE Band 30	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	Receiver on	27710	2310	13.47	14.50	1.268	-	-	0.09	0.669	0.848	-0.4%	0.530	0.528	0.470	0.25	0.00	PASS	
	2nd	LTE Band 30	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	Receiver on	27710	2310	13.32	14.50	1.312	-	-	0.04	0.644	0.845								
17	1st	FR1 n30	10M	QPSK	25	14	DFT-15	Right Tilted	0mm	Ant 3	Receiver on	462000	2310	15.74	16.00	1.062	-	-	0.04	0.735	0.780	-1.7%	0.488	0.479	0.513	0.26	0.02	PASS	
	2nd	FR1 n30	10M	QPSK	25	14	DFT-15	Right Tilted	0mm	Ant 3	Receiver on	462000	2310	15.59	16.00	1.099	-	-	0.12	0.698	0.767								
2600Mhz																													
18	1st	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	Receiver on	20850	2510	16.67	18.00	1.358	-	-	-0.04	0.643	0.873	-21.0%	0.546	0.431	0.454	0.25	0.21	PASS	
	2nd	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 3	Receiver on	20850	2510	16.55	18.00	1.396	-	-	0.09	0.494	0.690								
19	1st	FR1 n7	50M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 3	Receiver on	507000	2535	16.52	18.00	1.406	-	-	-0.03	0.626	0.880	-5.5%	0.550	0.520	0.450	0.25	0.05	PASS	
	2nd	FR1 n7	50M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 3	Receiver on	507000	2535	16.45	18.00	1.429	-	-	-0.08	0.582	0.832								
20	1st	FR1 n41	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 3	Receiver on	518598	2592.99	17.80	19.00	1.318	-	-	0.07	0.638	0.841	13.9%	0.526	0.599	0.474	0.25	0.14	PASS	
	2nd	FR1 n41	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 3	Receiver on	518598	2592.99	17.68	19.00	1.355	-	-	0.13	0.707	0.958								
3000Mhz-4000Mhz																													
21	1st	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	Receiver on	56150	3641	17.99	18.50	1.125	62.9	1.006	-0.02	0.725	0.820	-3.9%	0.513	0.493	0.488	0.25	0.04	PASS	
	2nd	LTE Band 48	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 4	Receiver on	56150	3641	17.61	18.50	1.227	62.9	1.006	0.09	0.638	0.788								
22	1st	FR1 n48	40M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	545332	3679.98	15.21	17.00	1.510	-	-	-0.01	0.572	0.864	22.3%	0.540	0.661	0.460	0.25	0.22	PASS	
	2nd	FR1 n48	40M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	545332	3679.98	15.68	17.00	1.355	-	-	0.11	0.780	1.057								



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1st	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	6416663624.99	14.76	16.00	1.330	-	-	0.06	0.618	0.822	11.2%	0.514	0.571	0.486	0.25	0.11	PASS
23 2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	6416663624.99	14.74	16.00	1.337	-	-	0.02	0.684	0.914							
1st	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	6333323499.98	14.75	16.00	1.334	-	-	-0.13	0.403	0.537	24.0%	0.336	0.416	0.664	0.41	0.24	PASS
2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	6333323499.98	14.55	16.00	1.396	-	-	0.02	0.477	0.666							
1st	FR1 n77	100M	QPSK	270	0	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	6560003840	14.85	16.00	1.303	-	-	-0.09	0.590	0.769	10.1%	0.481	0.529	0.519	0.27	0.10	PASS
2nd	FR1 n77	100M	QPSK	270	0	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	6560003840	14.70	16.00	1.349	-	-	0.01	0.628	0.847							

For ENDC

Plot No.	No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Deviation (%)	TER _A	TER _V	M	d _{TERmax}	d _{TER}	Pass Criterion	
750MHz																											
	1st	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	23095	707.5	23.83	25.00	1.309	0.18	0.221	0.289	44.6%	0.181	0.261	0.819	0.50	0.45	PASS	
	2nd	LTE Band 12	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	23095	707.5	23.81	25.00	1.315	0.08	0.318	0.418								
	1st	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	23230	782	24.05	25.00	1.245	-0.16	0.277	0.345	29.0%	0.216	0.278	0.784	0.50	0.29	PASS	
	2nd	LTE Band 13	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	23230	782	24.01	25.00	1.256	0.03	0.354	0.445								
	1st	FR1 n71	30M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	Receiver on	136100	680.5	23.29	25.00	1.483	-0.05	0.176	0.261	27.2%	0.163	0.208	0.837	0.50	0.27	PASS	
	2nd	FR1 n71	30M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	Receiver on	136100	680.5	23.23	25.00	1.503	0.13	0.221	0.332								
835MHz																											
	1st	LTE Band 5	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	20525	836.5	24.03	25.00	1.250	0.13	0.312	0.390	-12.8%	0.244	0.213	0.756	0.50	0.13	PASS	
24	2nd	LTE Band 5	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	Receiver on	20525	836.5	23.88	25.00	1.294	0.09	0.263	0.340								
	1st	FR1 n5	25M	QPSK	64	32	DFT-15	Right Cheek	0mm	Ant 0	Receiver on	167300	836.5	23.78	25.00	1.324	0.07	0.235	0.311	24.8%	0.194	0.243	0.806	0.50	0.25	PASS	
	2nd	FR1 n5	25M	QPSK	64	32	DFT-15	Right Cheek	0mm	Ant 0	Receiver on	167300	836.5	23.71	25.00	1.346	-0.03	0.288	0.388								
1750MHz																											
	1st	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	Receiver on	132322	1745	12.23	13.50	1.340	0.19	0.283	0.379	25.3%	0.237	0.297	0.763	0.50	0.25	PASS	
	2nd	LTE Band 66	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	Receiver on	132322	1745	12.15	13.50	1.365	0.09	0.348	0.475								
	1st	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	Receiver on	132322	1745	22.71	24.00	1.346	-0.08	0.237	0.319	-10.3%	0.199	0.179	0.801	0.50	0.10	PASS	
	2nd	LTE Band 66	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	Receiver on	132322	1745	22.68	24.00	1.355	0.05	0.211	0.286								
	1st	FR1 n66	45M	QPSK	120	60	DFT-15	Right Tilted	0mm	Ant 3	Receiver on	349000	1745	15.40	15.50	1.023	0.05	0.379	0.388	24.2%	0.243	0.301	0.758	0.50	0.24	PASS	
	2nd	FR1 n66	45M	QPSK	120	60	DFT-15	Right Tilted	0mm	Ant 3	Receiver on	349000	1745	14.96	15.50	1.132	0.09	0.426	0.482								
	1st	FR1 n66	45M	QPSK	120	60	DFT-15	Right Cheek	0mm	Ant 2	Receiver on	349000	1745	22.48	24.00	1.419	0.05	0.261	0.370	-4.1%	0.231	0.222	0.769	0.50	0.04	PASS	
	2nd	FR1 n66	45M	QPSK	120	60	DFT-15	Right Cheek	0mm	Ant 2	Receiver on	349000	1745	22.39	24.00	1.449	-0.03	0.245	0.355								
1900Mhz																											
	1st	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	Receiver on	18900	1880	13.72	14.50	1.197	-0.19	0.327	0.391	-5.9%	0.244	0.230	0.756	0.50	0.06	PASS	
	2nd	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	Receiver on	18900	1880	13.66	14.50	1.213	0.07	0.303	0.368								
	1st	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	Receiver on	18900	1880	14.79	16.00	1.321	0.16	0.301	0.398	-4.3%	0.249	0.238	0.751	0.50	0.04	PASS	
25	2nd	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	Receiver on	18900	1880	14.76	16.00	1.330	0.02	0.286	0.381								
	1st	FR1 n25	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 3	Receiver on	376500	1882.5	12.24	13.50	1.337	-0.03	0.302	0.404	-3.7%	0.253	0.243	0.748	0.50	0.04	PASS	
	2nd	FR1 n25	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 3	Receiver on	376500	1882.5	12.04	13.50	1.400	0.04	0.278	0.389								
	1st	FR1 n2	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 2	Receiver on	376000	1880	13.52	15.00	1.406	0.05	0.296	0.416	-1.9%	0.260	0.255	0.740	0.49	0.02	PASS	
26	2nd	FR1 n2	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 2	Receiver on	376000	1880	13.38	15.00	1.452	0.12	0.281	0.408								
2300MHz																											
	1st	LTE Band 30	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	Receiver on	27710	2310	10.53	11.50	1.250	0.13	0.328	0.410	-3.4%	0.256	0.248	0.744	0.49	0.03	PASS	
	2nd	LTE Band 30	10M	QPSK	1	0	-	Right Tilted	0mm	Ant 3	Receiver on	27710	2310	10.45	11.50	1.274	0.07	0.311	0.396								
	1st	LTE Band 30	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	Receiver on	27710	2310	15.36	16.50	1.300	-0.16	0.317	0.412	-17.7%	0.258	0.212	0.743	0.49	0.18	PASS	
	2nd	LTE Band 30	10M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	Receiver on	27710	2310	15.32	16.50	1.312	0.02	0.258	0.339								
2600Mhz																											
	1st	FR1 n41	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	Receiver on	5185982592.99	14.88	16.00	1.294	-0.02	0.310	0.401	22.9%	0.251	0.308	0.749	0.50	0.23	PASS		
	2nd	FR1 n41	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 3	Receiver on	5185982592.99	14.46	16.00	1.426	0.05	0.346	0.493									
3000Mhz-4000Mhz																											
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	6416663624.99	11.82	13.00	1.312	-0.17	0.304	0.399	11.8%	0.249	0.279	0.751	0.50	0.12	PASS		
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	6416663624.99	11.80	13.00	1.318	0.04	0.338	0.446									
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	6333323499.98	11.84	13.00	1.306	-0.04	0.202	0.264	32.6%	0.165	0.219	0.835	0.50	0.33	PASS		
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	6333323499.98	11.38	13.00	1.452	-0.08	0.241	0.350									
	1st	FR1 n77	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	656000	3840	11.98	13.00	1.265	0.1	0.240	0.304	32.9%	0.190	0.253	0.810	0.50	0.33	PASS	
	2nd	FR1 n77	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 4	Receiver on	656000	3840	11.58	13.00	1.387	0.04	0.291	0.404								



Plot No.	No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Deviation (%)	TER _{0.1}	TER _{0.2}	M	d _{TERmax}	d _{TER}	Pass Criterion
WLAN & BT																								
	1st	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 5	Receiver on	0	2402	8.50	10.00	1.413	76.82	1.302	0.03	0.107	0.197	-7.1%	0.123	0.114	0.877	0.50	0.07	PASS
27	2nd	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Ant 5	Receiver on	0	2402	8.70	10.00	1.349	76.82	1.302	0.09	0.104	0.183							
	1st	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 5	Receiver on	1	2412	11.85	12.50	1.161	99.71	1.003	0.02	0.325	0.379	-5.8%	0.237	0.223	0.763	0.50	0.06	PASS
28	2nd	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 5	Receiver on	1	2412	12.00	12.50	1.122	99.71	1.003	0.12	0.317	0.357							
	1st	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	Receiver on	58	5290	10.44	10.50	1.014	90.36	1.107	0.01	0.337	0.378	-24.6%	0.236	0.178	0.764	0.50	0.25	PASS
29	2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	Receiver on	58	5290	10.42	10.50	1.019	90.36	1.107	0.05	0.253	0.285							
	1st	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	Receiver on	106	5530	8.82	9.00	1.042	90.36	1.107	0.05	0.335	0.387	-30.7%	0.242	0.168	0.758	0.50	0.31	PASS
30	2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	Receiver on	106	5530	8.89	9.00	1.026	90.36	1.107	0.07	0.236	0.268							
	1st	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	Receiver on	155	5775	10.40	11.50	1.288	90.36	1.107	-0.03	0.283	0.404	-10.9%	0.253	0.225	0.748	0.50	0.11	PASS
31	2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	Receiver on	155	5775	10.67	11.50	1.211	90.36	1.107	0.01	0.269	0.360							



16.2 Hotspot SAR

Plot No.	No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-Up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Deviation (%)	TER _R	TER _V	M	d _{TERmax}	d _{TER}	Pass Criterion	
750MHz																													
	1st	LTE Band 71	20M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	133297	680.5	23.92	25.00	1.282	-	-	0.09	0.338	0.433	1.8%	0.271	0.276	0.729	0.48	0.02	PASS	
32	2nd	LTE Band 71	20M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	133297	680.5	23.91	25.00	1.285	-	-	0.02	0.343	0.441								
	1st	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	23095	707.5	23.83	25.00	1.309	-	-	-0.03	0.364	0.477	20.8%	0.298	0.360	0.702	0.45	0.21	PASS	
33	2nd	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	23095	707.5	23.81	25.00	1.315	-	-	0.13	0.438	0.576								
	1st	LTE Band 13	10M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	23230	782	24.05	25.00	1.245	-	-	0.11	0.419	0.521	22.5%	0.326	0.399	0.674	0.42	0.22	PASS	
34	2nd	LTE Band 13	10M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	23230	782	24.01	25.00	1.256	-	-	0.03	0.508	0.638								
	1st	FR1 n71	30M	QPSK	80	40	DFT-15	Back	10mm	Ant 0	Hotspot on	136100	680.5	23.22	25.00	1.507	-	-	0.09	0.272	0.410	-2.7%	0.256	0.249	0.744	0.49	0.03	PASS	
35	2nd	FR1 n71	30M	QPSK	80	40	DFT-15	Back	10mm	Ant 0	Hotspot on	136100	680.5	23.17	25.00	1.524	-	-	0.03	0.262	0.399								
835MHz																													
	1st	GSM850	-	-	-	-	GPRS 2TX Slot	Back	10mm	Ant 0	Hotspot on	189	836.4	32.27	33.00	1.183	-	-	-0.11	0.633	0.749	3.1%	0.468	0.483	0.532	0.28	0.03	PASS	
36	2nd	GSM850	-	-	-	-	GPRS 2TX Slot	Back	10mm	Ant 0	Hotspot on	189	836.4	32.15	33.00	1.216	-	-	0.12	0.635	0.772								
	1st	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 0	Hotspot on	4182	836.4	23.58	24.50	1.236	-	-	0.06	0.497	0.614	-23.1%	0.384	0.295	0.616	0.37	0.23	PASS	
37	2nd	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	10mm	Ant 0	Hotspot on	4182	836.4	23.52	24.50	1.253	-	-	0.08	0.377	0.472								
	1st	LTE Band 26	15M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	26865	831.5	24.06	25.00	1.242	-	-	0.02	0.377	0.468	6.8%	0.293	0.313	0.708	0.46	0.07	PASS	
38	2nd	LTE Band 26	15M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	26865	831.5	23.89	25.00	1.291	-	-	0.15	0.387	0.500								
	1st	FR1 n5	25M	QPSK	64	32	DFT-15	Back	10mm	Ant 0	Hotspot on	167300	836.5	23.78	25.00	1.324	-	-	-0.01	0.316	0.418	14.4%	0.261	0.299	0.739	0.49	0.14	PASS	
39	2nd	FR1 n5	25M	QPSK	64	32	DFT-15	Back	10mm	Ant 0	Hotspot on	167300	836.5	23.71	25.00	1.346	-	-	0.13	0.355	0.478								
1750MHz																													
	1st	WCDMA IV					RMC 12.2Kbps	Top Side	10mm	Ant 3	Hotspot on	1513	1752.6	17.84	19.50	1.466		1.000	0.05	0.625	0.916	-20.0%	0.573	0.458	0.428	0.25	0.20	PASS	
40	2nd	WCDMA IV					RMC 12.2Kbps	Top Side	10mm	Ant 3	Hotspot on	1513	1752.6	17.75	19.50	1.496		1.000	0.03	0.490	0.733								
	1st	LTE Band 66	20M	QPSK	1	0		Top Side	10mm	Ant 3	Hotspot on	132572	1770	19.02	20.50	1.406		1.000	-0.04	0.627	0.882	5.1%	0.551	0.579	0.449	0.25	0.05	PASS	
41	2nd	LTE Band 66	20M	QPSK	1	0		Top Side	10mm	Ant 3	Hotspot on	132572	1770	18.79	20.50	1.483		1.000	0.15	0.625	0.927								
	1st	FR1 n66	45M	QPSK	120	60	DFT-15	Top Side	10mm	Ant 3	Hotspot on	349000	1745	23.34	23.50	1.038		1.000	0.09	0.785	0.814	17.0%	0.509	0.595	0.491	0.25	0.17	PASS	
42	2nd	FR1 n66	45M	QPSK	120	60	DFT-15	Top Side	10mm	Ant 3	Hotspot on	349000	1745	23.07	23.50	1.104		1.000	-0.07	0.862	0.952								
1900Mhz																													
	1st	GSM1900	-	-	-	-	GPRS 2TX Slot	Top Side	10mm	Ant 3	Hotspot on	810	1909.8	22.08	23.50	1.387	-	-	0.03	0.591	0.820	-19.6%	0.513	0.412	0.488	0.25	0.20	PASS	
43	2nd	GSM1900	-	-	-	-	GPRS 2TX Slot	Top Side	10mm	Ant 3	Hotspot on	810	1909.8	22.02	23.50	1.406	-	-	0.02	0.469	0.659								
	1st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 3	Hotspot on	9262	1852.4	18.29	19.50	1.321	-	-	0.08	0.641	0.847	-0.4%	0.529	0.528	0.471	0.25	0.00	PASS	
44	2nd	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	10mm	Ant 3	Hotspot on	9262	1852.4	18.23	19.50	1.340	-	-	0.12	0.630	0.844								
	1st	LTE Band 25	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	Hotspot on	26590	1905	19.24	20.50	1.337	-	-	0.06	0.626	0.837	4.2%	0.523	0.545	0.477	0.25	0.04	PASS	
45	2nd	LTE Band 25	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	Hotspot on	26590	1905	19.21	20.50	1.346	-	-	0.05	0.648	0.872								
	1st	FR1 n25	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 3	Hotspot on	376500	1882.5	20.54	22.00	1.400	-	-	-0.05	0.642	0.899	-0.1%	0.562	0.561	0.438	0.25	0.00	PASS	
46	2nd	FR1 n25	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 3	Hotspot on	376500	1882.5	20.51	22.00	1.409	-	-	-0.01	0.637	0.898								
2300MHz																													
	1st	LTE Band 30	10M	QPSK	1	0	-	Top Side	10mm	Ant 3	Hotspot on	27710	2310	14.98	16.00	1.265	-	-	0.07	0.652	0.825	-15.3%	0.516	0.437	0.484	0.25	0.15	PASS	
47	2nd	LTE Band 30	10M	QPSK	1	0	-	Top Side	10mm	Ant 3	Hotspot on	27710	2310	14.58	16.00	1.387	-	-	-0.01	0.504	0.699								
	1st	FR1 n30	10M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 3	Hotspot on	462000	2310	18.78	19.00	1.052	-	-	-0.06	0.805	0.847	-3.5%	0.529	0.511	0.471	0.25	0.04	PASS	
48	2nd	FR1 n30	10M	QPSK	1	1	DFT-15	Top Side	10mm	Ant 3	Hotspot on	462000	2310	18.42	19.00	1.143	-	-	-0.03	0.715	0.817								
2600Mhz																													
	1st	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 3	Hotspot on	20850	2510	18.12	19.50	1.374	-	-	-0.18	0.623	0.856	-22.8%	0.535	0.413	0.465	0.25	0.23	PASS	
49	2nd	LTE Band 7	20M	QPSK	1	0	-	Back	10mm	Ant 3	Hotspot on	20850	2510	17.98	19.50	1.419	-	-	0.05	0.466	0.661								
	1st	FR1 n7	50M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	Hotspot on	507000	2535	18.52	20.00	1.406	-	-	-0.09	0.580	0.816	12.7%	0.510	0.575	0.490	0.25	0.13	PASS	
50	2nd	FR1 n7	50M	QPSK	1	1	DFT-15	Back	10mm	Ant 3	Hotspot on	507000	2535	18.49	20.00	1.416	-	-	-0.11	0.650	0.920								
	1st	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 3	Hotspot on	518598	2592.99	20.41	21.50	1.285	-	-	-0.06	0.637	0.819	20.6%	0.512	0.618	0.488	0.25	0.21	PASS	
51	2nd	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 3	Hotspot on	518598	2592.99	20.33	21.50	1.309	-	-	-0.05	0.755	0.988								



3000Mhz-4000Mhz																												
	1st	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 4	Hotspot on	56150	3641	22.47	23.00	1.130	62.9	1.006	-0.07	0.778	0.884	-10.1%	0.553	0.497	0.448	0.25	0.10	PASS
52	2nd	LTE Band 48	20M	QPSK	1	0	-	Back	10mm	Ant 4	Hotspot on	56150	3641	22.10	23.00	1.230	62.9	1.006	0.15	0.642	0.795							
	1st	FR1 n48	40M	QPSK	50	28	DFT-30	Back	10mm	Ant 4	Hotspot on	645332	3679.98	19.63	21.50	1.538	-	-	0.03	0.605	0.931	11.9%	0.582	0.651	0.418	0.25	0.12	PASS
53	2nd	FR1 n48	40M	QPSK	50	28	DFT-30	Back	10mm	Ant 4	Hotspot on	645332	3679.98	19.59	21.50	1.552	-	-	-0.05	0.671	1.042							
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 4	Hotspot on	641666	3624.99	20.24	21.50	1.337	-	-	0.01	0.687	0.918	2.3%	0.574	0.587	0.426	0.25	0.02	PASS
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 4	Hotspot on	641666	3624.99	20.16	21.50	1.361	-	-	0.09	0.690	0.939							
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 4	Hotspot on	633332	3499.98	20.31	21.50	1.315	-	-	-0.07	0.602	0.792	-14.3%	0.495	0.424	0.505	0.26	0.14	PASS
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Back	10mm	Ant 4	Hotspot on	633332	3499.98	20.11	21.50	1.377	-	-	0.11	0.493	0.679							
	1st	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 4	Hotspot on	656000	3840	20.53	21.50	1.250	-	-	0.05	0.582	0.728	29.1%	0.455	0.588	0.545	0.30	0.29	PASS
54	2nd	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 4	Hotspot on	656000	3840	20.31	21.50	1.315	-	-	-0.07	0.715	0.940							

For ENDC

Plot No.	No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Deviation (%)	TER _R	TER _v	M	d _{TERmax}	d _{TER}	Pass Criterion
750MHz																										
	1st	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	23095	707.5	22.96	24.00	1.271	-0.08	0.288	0.366	16.4%	0.229	0.266	0.771	0.50	0.16	PASS
	2nd	LTE Band 12	10M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	23095	707.5	22.88	24.00	1.294	0.05	0.329	0.426							
	1st	LTE Band 13	10M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	23230	782	23.12	24.00	1.225	-0.13	0.326	0.399	18.3%	0.249	0.295	0.751	0.50	0.18	PASS
	2nd	LTE Band 13	10M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	23230	782	23.01	24.00	1.256	0.07	0.376	0.472							
	1st	FR1 n71	30M	QPSK	80	40	DFT-15	Back	10mm	Ant 0	Hotspot on	136100	680.5	23.22	25.00	1.507	0.09	0.272	0.410	-2.7%	0.256	0.249	0.744	0.49	0.03	PASS
	2nd	FR1 n71	30M	QPSK	80	40	DFT-15	Back	10mm	Ant 0	Hotspot on	136100	680.5	23.17	25.00	1.524	0.03	0.262	0.399							
835MHz																										
	1st	LTE Band 5	10M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	20525	836.5	24.03	25.00	1.250	0.03	0.289	0.361	21.1%	0.226	0.273	0.774	0.50	0.21	PASS
55	2nd	LTE Band 5	10M	QPSK	1	0	-	Back	10mm	Ant 0	Hotspot on	20525	836.5	23.88	25.00	1.294	0.09	0.338	0.437							
	1st	FR1 n5	25M	QPSK	64	32	DFT-15	Back	10mm	Ant 0	Hotspot on	167300	836.5	23.78	25.00	1.324	0.05	0.316	0.418	14.4%	0.261	0.299	0.739	0.49	0.14	PASS
	2nd	FR1 n5	25M	QPSK	64	32	DFT-15	Back	10mm	Ant 0	Hotspot on	167300	836.5	23.71	25.00	1.346	0.13	0.355	0.478							
1750MHz																										
	1st	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	Hotspot on	132322	1745	16.25	17.50	1.334	-0.12	0.286	0.381	7.6%	0.238	0.256	0.762	0.50	0.08	PASS
	2nd	LTE Band 66	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	Hotspot on	132322	1745	16.21	17.50	1.346	0.08	0.305	0.410							
	1st	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	Hotspot on	132322	1745	22.71	24.00	1.346	0.09	0.230	0.310	-18.7%	0.194	0.158	0.806	0.50	0.19	PASS
	2nd	LTE Band 66	20M	QPSK	1	0	-	Back	10mm	Ant 2	Hotspot on	132322	1745	22.68	24.00	1.355	0.04	0.186	0.252							
	1st	FR1 n66	45M	QPSK	120	60	DFT-15	Top Side	10mm	Ant 3	Hotspot on	349000	1745	20.42	20.50	1.019	0.02	0.390	0.397	25.7%	0.248	0.312	0.752	0.50	0.26	PASS
	2nd	FR1 n66	45M	QPSK	120	60	DFT-15	Top Side	10mm	Ant 3	Hotspot on	349000	1745	19.82	20.50	1.169	0.09	0.427	0.499							
	1st	FR1 n66	45M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	Hotspot on	349000	1745	22.49	24.00	1.416	0.08	0.231	0.327	-15.6%	0.204	0.173	0.796	0.50	0.16	PASS
	2nd	FR1 n66	45M	QPSK	1	1	DFT-15	Back	10mm	Ant 2	Hotspot on	349000	1745	22.43	24.00	1.435	-0.02	0.192	0.276							
1900Mhz																										
	1st	LTE Band 2	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	Hotspot on	18900	1880	16.72	17.50	1.197	0.16	0.321	0.384	-12.2%	0.240	0.211	0.760	0.50	0.12	PASS
	2nd	LTE Band 2	20M	QPSK	1	0	-	Top Side	10mm	Ant 3	Hotspot on	18900	1880	16.67	17.50	1.211	0.09	0.278	0.337							
	1st	LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	Hotspot on	18900	1880	13.71	15.00	1.346	-0.03	0.289	0.389	-7.5%	0.243	0.225	0.757	0.50	0.07	PASS
56	2nd	LTE Band 2	20M	QPSK	1	0	-	Left Side	10mm	Ant 2	Hotspot on	18900	1880	13.68	15.00	1.355	0.12	0.266	0.360							
	1st	FR1 n25	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 3	Hotspot on	376500	1882.5	17.68	19.00	1.355	-0.03	0.317	0.430	-5.8%	0.269	0.253	0.731	0.48	0.06	PASS
	2nd	FR1 n25	40M	QPSK	108	54	DFT-15	Top Side	10mm	Ant 3	Hotspot on	376500	1882.5	17.46	19.00	1.426	0.06	0.284	0.405							
	1st	FR1 n2	40M	QPSK	108	54	DFT-15	Left Side	10mm	Ant 2	Hotspot on	376000	1880	13.95	15.50	1.429	0.01	0.304	0.434	-5.1%	0.271	0.258	0.729	0.48	0.05	PASS
57	2nd	FR1 n2	40M	QPSK	108	54	DFT-15	Left Side	10mm	Ant 2	Hotspot on	376000	1880	13.74	15.50	1.500	0.09	0.275	0.412							
2300MHz																										
	1st	LTE Band 30	10M	QPSK	1	0	-	Top Side	10mm	Ant 3	Hotspot on	27710	2310	12.03	13.00	1.250	0.04	0.319	0.399	-19.5%	0.249	0.201	0.751	0.50	0.20	PASS
	2nd	LTE Band 30	10M	QPSK	1	0	-	Top Side	10mm	Ant 3	Hotspot on	27710	2310	11.98	13.00	1.265	-0.04	0.254	0.321							
	1st	LTE Band 30	10M	QPSK	1	0	-	Left Side	10mm	Ant 2	Hotspot on	27710	2310	14.88	16.00	1.294	0.07	0.316	0.409	-30.3%	0.256	0.178	0.744	0.49	0.30	PASS



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	2nd	LTE Band 30	10M	QPSK	1	0	-	Left Side	10mm	Ant 2	Hotspot on	27710	2310	14.79	16.00	1.321	0.15	0.216	0.285								
2600Mhz																											
	1st	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 3	Hotspot on	518598	2592.99	17.43	18.50	1.279	-0.09	0.312	0.399	27.8%	0.249	0.319	0.751	0.50	0.28	PASS	
	2nd	FR1 n41	100M	QPSK	1	1	DFT-30	Back	10mm	Ant 3	Hotspot on	518598	2592.99	17.15	18.50	1.365	0.05	0.374	0.510								
3000Mhz-4000Mhz																											
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 4	Hotspot on	641666	3624.99	17.26	18.50	1.330	0.03	0.336	0.447	13.2%	0.279	0.316	0.721	0.47	0.13	PASS	
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 4	Hotspot on	641666	3624.99	16.96	18.50	1.426	0.09	0.355	0.506								
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 4	Hotspot on	633332	3499.98	17.38	18.50	1.294	-0.11	0.292	0.378	-4.8%	0.236	0.225	0.764	0.50	0.05	PASS	
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	10mm	Ant 4	Hotspot on	633332	3499.98	16.98	18.50	1.419	0.07	0.254	0.360								
	1st	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 4	Hotspot on	656000	3840	17.48	18.50	1.265	0.05	0.284	0.359	43.5%	0.224	0.322	0.776	0.50	0.43	PASS	
	2nd	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	10mm	Ant 4	Hotspot on	656000	3840	17.13	18.50	1.371	0.05	0.376	0.515								

Plot No.	No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Deviation (%)	TER _R	TER _V	M	d _{TERmax}	d _{TER}	Pass Criterion
WLAN & BT																								
	1st	Bluetooth	DH5 1Mbps	Back	10mm	Ant 5	Hotspot on	0	2402	8.50	10.00	1.413	76.82	1.302	0.06	0.037	0.068	-25.0%	0.043	0.032	0.958	0.50	0.25	PASS
58	2nd	Bluetooth	DH5 1Mbps	Back	10mm	Ant 5	Hotspot on	0	2402	8.70	10.00	1.349	76.82	1.302	-0.12	0.029	0.051							
	1st	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 5	Hotspot on	1	2412	16.45	17.00	1.135	99.71	1.003	0.13	0.311	0.354	-30.2%	0.221	0.154	0.779	0.50	0.30	PASS
59	2nd	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 5	Hotspot on	1	2412	16.60	17.00	1.096	99.71	1.003	-0.03	0.225	0.247							
	1st	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 5	Hotspot on	46	5230	15.89	16.00	1.027	94.08	1.063	-0.06	0.328	0.358	-13.4%	0.224	0.194	0.776	0.50	0.13	PASS
60	2nd	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 5	Hotspot on	46	5230	15.76	16.00	1.057	94.08	1.063	-0.15	0.276	0.310							
	1st	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	Hotspot on	155	5775	13.80	15.00	1.318	90.36	1.107	0.04	0.293	0.428	-7.5%	0.268	0.248	0.733	0.48	0.07	PASS
61	2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	Hotspot on	155	5775	14.06	15.00	1.242	90.36	1.107	-0.14	0.288	0.396							



16.3 Body Worn Accessory SAR

Plot No.	No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Deviation (%)	TER _R	TER _V	M	d _{TERmax}	d _{TER}	Pass Criterion	
750MHz																													
	1st	LTE Band 71	20M	QPSK	1	0	-	Back	15mm	Ant 0	Full	133297	680.5	23.92	25.00	1.282	-	-	0.08	0.331	0.424	-4.0%	0.265	0.254	0.735	0.49	0.04	PASS	
62	2nd	LTE Band 71	20M	QPSK	1	0	-	Back	15mm	Ant 0	Full	133297	680.5	23.91	25.00	1.285	-	-	0.01	0.317	0.407								
	1st	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 0	Full	23095	707.5	23.83	25.00	1.309	-	-	-0.02	0.354	0.463	13.8%	0.289	0.329	0.711	0.46	0.14	PASS	
63	2nd	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 0	Full	23095	707.5	23.81	25.00	1.315	-	-	0.04	0.401	0.527								
	1st	LTE Band 13	10M	QPSK	1	0	-	Back	15mm	Ant 0	Full	23230	782	24.05	25.00	1.245	-	-	0.01	0.457	0.569	30.1%	0.356	0.463	0.644	0.39	0.30	PASS	
64	2nd	LTE Band 13	10M	QPSK	1	0	-	Back	15mm	Ant 0	Full	23230	782	24.01	25.00	1.256	-	-	-0.08	0.589	0.740								
	1st	FR1 n71	30M	QPSK	80	40	DFT-15	Back	15mm	Ant 0	Full	136100	680.5	23.22	25.00	1.507	-	-	-0.02	0.269	0.405	-21.2%	0.253	0.199	0.747	0.50	0.21	PASS	
65	2nd	FR1 n71	30M	QPSK	80	40	DFT-15	Back	15mm	Ant 0	Full	136100	680.5	23.17	25.00	1.524	-	-	0.09	0.209	0.319								
835MHz																													
	1st	GSM850	-	-	-	-	GPRS 2TX Slot	Back	15mm	Ant 0	Full	189	836.4	32.27	33.00	1.183	-	-	-0.09	0.461	0.545	-8.3%	0.341	0.313	0.659	0.41	0.08	PASS	
66	2nd	GSM850	-	-	-	-	GPRS 2TX Slot	Back	15mm	Ant 0	Full	189	836.4	32.15	33.00	1.216	-	-	-0.02	0.411	0.500								
	1st	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	Full	4182	836.4	23.58	24.50	1.236	-	-	-0.05	0.397	0.491	-21.2%	0.307	0.242	0.693	0.44	0.21	PASS	
67	2nd	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 0	Full	4182	836.4	23.52	24.50	1.253	-	-	0.02	0.309	0.387								
	1st	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 0	Full	26865	831.5	24.06	25.00	1.242	-	-	-0.02	0.335	0.416	7.7%	0.260	0.280	0.740	0.49	0.08	PASS	
68	2nd	LTE Band 26	15M	QPSK	1	0	-	Back	15mm	Ant 0	Full	26865	831.5	23.89	25.00	1.291	-	-	0.04	0.347	0.448								
	1st	FR1 n5	25M	QPSK	64	32	DFT-15	Back	15mm	Ant 0	Full	167300	836.5	23.78	25.00	1.324	-	-	-0.03	0.261	0.346	-8.7%	0.216	0.198	0.784	0.50	0.09	PASS	
69	2nd	FR1 n5	25M	QPSK	64	32	DFT-15	Back	15mm	Ant 0	Full	167300	836.5	23.71	25.00	1.346	-	-	0.11	0.235	0.316								
1750MHz																													
	1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 3	Sensor on	1413	1732.6	17.85	19.50	1.462	-	-	0.02	0.174	0.254	-13.8%	0.159	0.137	0.841	0.50	0.14	PASS	
	2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 3	Sensor on	1413	1732.6	17.80	19.50	1.479	-	-	0.03	0.148	0.219								
	1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	18mm	Ant 3	Full	1413	1732.6	22.96	24.50	1.426	-	-	0.16	0.427	0.609	-7.2%	0.381	0.353	0.619	0.37	0.07	PASS	
70	2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	18mm	Ant 3	Full	1413	1732.6	22.89	24.50	1.449	-	-	0.1	0.390	0.565								
	1st	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	132322	1745	18.96	20.50	1.426	-	-	-0.16	0.196	0.279	-1.4%	0.174	0.172	0.826	0.50	0.01	PASS	
	2nd	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	132322	1745	18.87	20.50	1.455	-	-	0.07	0.189	0.275								
	1st	LTE Band 66	20M	QPSK	1	0	-	Front	18mm	Ant 3	Full	132322	1745	23.62	25.00	1.374	-	-	0.19	0.341	0.469	-1.5%	0.293	0.289	0.707	0.46	0.01	PASS	
71	2nd	LTE Band 66	20M	QPSK	1	0	-	Front	18mm	Ant 3	Full	132322	1745	23.59	25.00	1.384	-	-	-0.06	0.334	0.462								
	1st	FR1 n66	45M	QPSK	120	60	DFT-15	Back	15mm	Ant 3	Sensor on	349000	1745	23.34	23.50	1.038	-	-	0.03	0.282	0.293	-2.7%	0.183	0.178	0.817	0.50	0.03	PASS	
72	2nd	FR1 n66	45M	QPSK	120	60	DFT-15	Back	15mm	Ant 3	Sensor on	349000	1745	23.07	23.50	1.104	-	-	0.06	0.258	0.285								
	1st	FR1 n66	45M	QPSK	120	60	DFT-15	Front	18mm	Ant 3	Full	349000	1745	24.81	25.00	1.045	-	-	0.09	0.338	0.353	-21.0%	0.221	0.174	0.779	0.50	0.21	PASS	
	2nd	FR1 n66	45M	QPSK	120	60	DFT-15	Front	18mm	Ant 3	Full	349000	1745	24.36	25.00	1.159	-	-	-0.09	0.241	0.279								
1900Mhz																													
	1st	GSM1900	-	-	-	-	GPRS 2TX Slot	Back	15mm	Ant 3	Sensor on	661	1880	24.15	25.00	1.216	-	-	-0.13	0.316	0.384	-25.0%	0.240	0.180	0.760	0.50	0.25	PASS	
73	2nd	GSM1900	-	-	-	-	GPRS 2TX Slot	Back	15mm	Ant 3	Sensor on	661	1880	23.98	25.00	1.265	-	-	0.05	0.228	0.288								
	1st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 3	Sensor on	9400	1880	18.96	20.00	1.271	-	-	-0.12	0.212	0.269	-20.1%	0.168	0.134	0.832	0.50	0.20	PASS	
	2nd	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 3	Sensor on	9400	1880	18.82	20.00	1.312	-	-	0.07	0.164	0.215								
	1st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	18mm	Ant 3	Full	9400	1880	23.46	24.50	1.271	-	-	0.04	0.387	0.492	-10.0%	0.308	0.277	0.693	0.44	0.10	PASS	
74	2nd	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	18mm	Ant 3	Full	9400	1880	23.44	24.50	1.276	-	-	0.03	0.347	0.443								
	1st	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	26340	1880	20.09	21.00	1.233	-	-	-0.09	0.220	0.271	-15.5%	0.169	0.143	0.831	0.50	0.15	PASS	
	2nd	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	26340	1880	19.91	21.00	1.285	-	-	0.02	0.178	0.229								
	1st	LTE Band 25	20M	QPSK	1	0	-	Front	18mm	Ant 3	Full	26340	1880	24.24	25.00	1.191	-	-	-0.16	0.270	0.322	-4.7%	0.201	0.192	0.799	0.50	0.05	PASS	
75	2nd	LTE Band 25	20M	QPSK	1	0	-	Front	18mm	Ant 3	Full	26340	1880	24.21	25.00	1.199	-	-	-0.02	0.256	0.307								
	1st	FR1 n25	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 3	Sensor on	376500	1882.5	19.60	21.00	1.380	-	-	-0.02	0.191	0.264	-17.8%	0.165	0.136	0.835	0.50	0.18	PASS	
	2nd	FR1 n25	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 3	Sensor on	376500	1882.5	19.48	21.00	1.419	-	-	0.05	0.153	0.217								
	1st	FR1 n25	40M	QPSK	108	54	DFT-15	Front	18mm	Ant 3	Full	376500	1882.5	23.57	25.00	1.390	-	-	-0.18	0.305	0.424	-24.3%	0.265	0.201	0.735	0.49	0.24	PASS	
76	2nd	FR1 n25	40M	QPSK	108	54	DFT-15	Front	18mm	Ant 3	Full	376500	1882.5	23.52	25.00	1.406	-	-	0.03	0.228	0.321								
2300MHz																													
	1st	LTE Band 30	10M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	27710	2310	18.96	20.00	1.271	-	-	0.05	0.636	0.808	13.2%	0.505	0.572	0.495	0.25	0.13	PASS	



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77	2nd	LTE Band 30	10M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	27710	2310	18.89	20.00	1.291	-	-	-0.06	0.709	0.915								
	1st	FR1 n30	10M	QPSK	25	14	DFT-15	Back	15mm	Ant 3	Sensor on	462000	2310	21.15	21.50	1.084	-	-	0.08	0.662	0.718	16.9%	0.449	0.524	0.551	0.30	0.17	PASS	
78	2nd	FR1 n30	10M	QPSK	25	14	DFT-15	Back	15mm	Ant 3	Sensor on	462000	2310	21.03	21.50	1.114	-	-	0.02	0.753	0.839								
2600Mhz																													
	1st	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	21100	2535	20.33	21.50	1.309	-	-	-0.01	0.514	0.673	-17.7%	0.421	0.346	0.579	0.33	0.18	PASS	
79	2nd	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	21100	2535	19.93	21.50	1.435	-	-	0.14	0.386	0.554								
	1st	FR1 n7	50M	QPSK	1	1	DFT-15	Back	15mm	Ant 3	Sensor on	507000	2535	20.52	22.00	1.406	-	-	0.01	0.465	0.654	-20.5%	0.409	0.325	0.591	0.34	0.20	PASS	
80	2nd	FR1 n7	50M	QPSK	1	1	DFT-15	Back	15mm	Ant 3	Sensor on	507000	2535	20.49	22.00	1.416	-	-	0.08	0.367	0.520								
	1st	FR1 n41	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 3	Sensor on	518598	2592.99	21.80	23.00	1.318	-	-	-0.09	0.503	0.663	-19.3%	0.414	0.334	0.586	0.34	0.19	PASS	
81	2nd	FR1 n41	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 3	Sensor on	518598	2592.99	21.67	23.00	1.358	-	-	0.01	0.394	0.535								
3000Mhz-4000Mhz																													
	1st	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 4	Sensor on	56150	3641	22.98	23.50	1.127	62.9	1.006	-0.07	0.378	0.429	-11.2%	0.268	0.238	0.732	0.48	0.11	PASS	
82	2nd	LTE Band 48	20M	QPSK	1	0	-	Back	15mm	Ant 4	Sensor on	56150	3641	22.59	23.50	1.233	62.9	1.006	-0.02	0.307	0.381								
	1st	FR1 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 4	Sensor on	641666	3624.99	19.20	21.00	1.514	-	-	-0.04	0.243	0.368	16.3%	0.230	0.268	0.770	0.50	0.16	PASS	
83	2nd	FR1 n48	40M	QPSK	50	28	DFT-30	Back	15mm	Ant 4	Sensor on	641666	3624.99	19.09	21.00	1.552	-	-	0.02	0.276	0.428								
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	Sensor on	641666	3624.99	19.26	20.50	1.330	-	-	0.02	0.152	0.202	39.6%	0.126	0.176	0.874	0.50	0.40	PASS	
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	Sensor on	641666	3624.99	19.22	20.50	1.343	-	-	0.09	0.210	0.282								
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Back	23mm	Ant 4	Full	641666	3624.99	23.65	25.00	1.365	-	-	0.1	0.249	0.340	49.1%	0.213	0.317	0.788	0.50	0.49	PASS	
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Back	23mm	Ant 4	Full	641666	3624.99	23.57	25.00	1.390	-	-	0.09	0.365	0.507								
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	Sensor on	633332	3499.98	19.31	20.50	1.315	-	-	0.12	0.152	0.200	31.5%	0.125	0.164	0.875	0.50	0.32	PASS	
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	Sensor on	633332	3499.98	19.07	20.50	1.390	-	-	-0.07	0.189	0.263								
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Back	23mm	Ant 4	Full	633332	3499.98	25.82	27.00	1.312	-	-	-0.03	0.322	0.423	47.5%	0.264	0.390	0.736	0.49	0.48	PASS	
84	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Back	23mm	Ant 4	Full	633332	3499.98	25.39	27.00	1.449	-	-	-0.03	0.431	0.624								
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	Sensor on	656000	3840	19.39	20.50	1.291	-	-	-0.06	0.187	0.241	39.4%	0.151	0.210	0.849	0.50	0.39	PASS	
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	Sensor on	656000	3840	19.20	20.50	1.349	-	-	0.02	0.249	0.336								
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 4	Full	656000	3840	25.85	27.00	1.303	-	-	0.15	0.305	0.397	31.2%	0.248	0.326	0.752	0.50	0.31	PASS	
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 4	Full	656000	3840	25.35	27.00	1.462	-	-	0.03	0.356	0.521								

For ENDC

Plot No.	No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Deviation (%)	TER _R	TER _V	M	d _{TERmax}	d _{TER}	Pass Criterion	
750MHz																											
	1st	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 0	Full	23095	707.5	23.83	25.00	1.309	-0.02	0.354	0.463	13.8%	0.289	0.329	0.711	0.46	0.14	PASS	
	2nd	LTE Band 12	10M	QPSK	1	0	-	Back	15mm	Ant 0	Full	23095	707.5	23.81	25.00	1.315	0.04	0.401	0.527								
	1st	LTE Band 13	10M	QPSK	1	0	-	Back	15mm	Ant 0	Full	23230	782	24.05	25.00	1.245	0.01	0.457	0.569	30.1%	0.356	0.463	0.644	0.39	0.30	PASS	
	2nd	LTE Band 13	10M	QPSK	1	0	-	Back	15mm	Ant 0	Full	23230	782	24.01	25.00	1.256	-0.08	0.589	0.740								
	1st	FR1 n71	30M	QPSK	80	40	DFT-15	Back	15mm	Ant 0	Full	136100	680.5	23.22	25.00	1.507	-0.02	0.269	0.405	-21.2%	0.253	0.199	0.747	0.50	0.21	PASS	
	2nd	FR1 n71	30M	QPSK	80	40	DFT-15	Back	15mm	Ant 0	Full	136100	680.5	23.17	25.00	1.524	0.09	0.209	0.319								
835MHz																											
	1st	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 0	Full	20525	836.5	23.11	24.00	1.227	0.12	0.315	0.387	8.3%	0.242	0.262	0.758	0.50	0.08	PASS	
85	2nd	LTE Band 5	10M	QPSK	1	0	-	Back	15mm	Ant 0	Full	20525	836.5	22.94	24.00	1.276	0.09	0.328	0.419								
	1st	FR1 n5	25M	QPSK	64	32	DFT-15	Back	15mm	Ant 0	Full	167300	836.5	23.78	25.00	1.324	-0.03	0.261	0.346	-8.7%	0.216	0.198	0.784	0.50	0.09	PASS	
	2nd	FR1 n5	25M	QPSK	64	32	DFT-15	Back	15mm	Ant 0	Full	167300	836.5	23.71	25.00	1.346	0.11	0.235	0.316								
													1750MHz														
	1st	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	132322	1745	16.25	17.50	1.334	-0.16	0.196	0.261	-2.7%	0.163	0.159	0.837	0.50	0.03	PASS	
	2nd	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	132322	1745	16.21	17.50	1.346	0.07	0.189	0.254								
	1st	LTE Band 66	20M	QPSK	1	0	-	Front	18mm	Ant 3	Full	132322	1745	23.62	25.00	1.374	0.19	0.370	0.508	-9.1%	0.318	0.289	0.683	0.43	0.09	PASS	
	2nd	LTE Band 66	20M	QPSK	1	0	-	Front	18mm	Ant 3	Full	132322	1745	23.59	25.00	1.384	-0.06	0.334	0.462								
	1st	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 2	Full	132322	1745	22.71	24.00	1.346	0.14	0.091	0.122	-6.6%	0.076	0.071	0.924	0.50	0.07	PASS	
	2nd	LTE Band 66	20M	QPSK	1	0	-	Back	15mm	Ant 2	Full	132322	1745	22.68	24.00	1.355	0.03	0.084	0.114								
	1st	FR1 n66	45M	QPSK	120	60	DFT-15	Back	15mm	Ant 3	Sensor on	349000	1745	20.35	20.50	1.035	-0.04	0.282	0.292	-5.1%	0.183	0.173	0.818	0.50	0.05	PASS	



FCC SAR Test Report

Report No. : FA471902-02

	2nd	FR1 n66	45M	QPSK	120	60	DFT-15	Back	15mm	Ant 3	Sensor on	349000	1745	19.82	20.50	1.169	0.06	0.237	0.277								
	1st	FR1 n66	45M	QPSK	120	60	DFT-15	Front	18mm	Ant 3	Full	349000	1745	24.81	25.00	1.045	-0.1	0.332	0.347	-19.6%	0.217	0.174	0.783	0.50	0.20	PASS	
	2nd	FR1 n66	45M	QPSK	120	60	DFT-15	Front	18mm	Ant 3	Full	349000	1745	24.36	25.00	1.159	-0.09	0.241	0.279								
	1st	FR1 n66	45M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	Full	349000	1745	22.49	24.00	1.416	0.11	0.099	0.140	-2.9%	0.088	0.085	0.913	0.50	0.03	PASS	
	2nd	FR1 n66	45M	QPSK	1	1	DFT-15	Back	15mm	Ant 2	Full	349000	1745	22.43	24.00	1.435	0.05	0.095	0.136								
1900Mhz																											
	1st	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	18900	1880	17.26	18.00	1.186	0.11	0.211	0.250	-8.8%	0.156	0.143	0.844	0.50	0.09	PASS	
	2nd	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	18900	1880	17.18	18.00	1.208	0.02	0.189	0.228								
	1st	LTE Band 2	20M	QPSK	1	0	-	Front	18mm	Ant 3	Full	18900	1880	24.15	25.00	1.216	-0.14	0.292	0.355	-17.2%	0.222	0.184	0.778	0.50	0.17	PASS	
	2nd	LTE Band 2	20M	QPSK	1	0	-	Front	18mm	Ant 3	Full	18900	1880	24.13	25.00	1.222	0.09	0.241	0.294								
	1st	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 2	Sensor on	18900	1880	15.31	16.50	1.315	-0.01	0.318	0.418	-14.1%	0.261	0.224	0.739	0.49	0.14	PASS	
86	2nd	LTE Band 2	20M	QPSK	1	0	-	Back	15mm	Ant 2	Sensor on	18900	1880	15.18	16.50	1.355	0.08	0.265	0.359								
	1st	FR1 n25	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 3	Sensor on	376500	1882.5	16.71	18.00	1.346	-0.02	0.191	0.257	-16.0%	0.161	0.135	0.839	0.50	0.16	PASS	
	2nd	FR1 n25	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 3	Sensor on	376500	1882.5	16.50	18.00	1.413	0.05	0.153	0.216								
	1st	FR1 n25	40M	QPSK	108	54	DFT-15	Front	18mm	Ant 3	Full	376500	1882.5	23.57	25.00	1.390	-0.1	0.332	0.461	-30.4%	0.288	0.201	0.712	0.46	0.30	PASS	
	2nd	FR1 n25	40M	QPSK	108	54	DFT-15	Front	18mm	Ant 3	Full	376500	1882.5	23.52	25.00	1.406	0.03	0.228	0.321								
	1st	FR1 n2	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 2	Sensor on	376000	1880	14.88	16.50	1.452	-0.13	0.159	0.231	-8.7%	0.144	0.132	0.856	0.50	0.09	PASS	
	2nd	FR1 n2	40M	QPSK	108	54	DFT-15	Back	15mm	Ant 2	Sensor on	376000	1880	14.78	16.50	1.486	0.12	0.142	0.211								
	1st	FR1 n2	40M	QPSK	108	54	DFT-15	Back	23mm	Ant 2	Sensor on	376000	1880	22.43	24.00	1.435	0.13	0.298	0.428	-1.9%	0.268	0.263	0.733	0.48	0.02	PASS	
87	2nd	FR1 n2	40M	QPSK	108	54	DFT-15	Back	23mm	Ant 2	Sensor on	376000	1880	22.33	24.00	1.469	0.05	0.286	0.420								
2300Mhz																											
	1st	LTE Band 30	10M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	27710	2310	16.11	17.00	1.227	0.05	0.316	0.388	12.1%	0.243	0.272	0.758	0.50	0.12	PASS	
	2nd	LTE Band 30	10M	QPSK	1	0	-	Back	15mm	Ant 3	Sensor on	27710	2310	16.08	17.00	1.236	-0.06	0.352	0.435								
	1st	LTE Band 30	10M	QPSK	1	0	-	Back	23mm	Ant 3	Full	27710	2310	22.98	24.00	1.265	0.13	0.463	0.586	-2.2%	0.366	0.358	0.634	0.38	0.02	PASS	
	2nd	LTE Band 30	10M	QPSK	1	0	-	Back	23mm	Ant 3	Full	27710	2310	22.91	24.00	1.285	0.06	0.446	0.573								
	1st	LTE Band 30	10M	QPSK	1	0	-	Back	15mm	Ant 2	Sensor on	27710	2310	14.88	16.00	1.294	-0.02	0.258	0.334	-18.0%	0.209	0.171	0.791	0.50	0.18	PASS	
	2nd	LTE Band 30	10M	QPSK	1	0	-	Back	15mm	Ant 2	Sensor on	27710	2310	14.79	16.00	1.321	0.08	0.207	0.274								
	1st	LTE Band 30	10M	QPSK	1	0	-	Back	23mm	Ant 2	Full	27710	2310	21.78	23.00	1.324	-0.18	0.272	0.360	-6.9%	0.225	0.209	0.775	0.50	0.07	PASS	
	2nd	LTE Band 30	10M	QPSK	1	0	-	Back	23mm	Ant 2	Full	27710	2310	21.76	23.00	1.330	0.02	0.252	0.335								
2600Mhz																											
	1st	FR1 n41	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 3	Sensor on	518598	2592.99	18.89	20.00	1.291	-0.09	0.247	0.319	-2.5%	0.199	0.194	0.801	0.50	0.03	PASS	
	2nd	FR1 n41	100M	QPSK	1	1	DFT-30	Back	15mm	Ant 3	Sensor on	518598	2592.99	18.51	20.00	1.409	0.04	0.221	0.311								
	1st	FR1 n41	100M	QPSK	1	1	DFT-30	Back	23mm	Ant 3	Full	518598	2592.99	25.80	27.00	1.318	-0.12	0.496	0.654	-19.4%	0.409	0.329	0.591	0.34	0.19	PASS	
	2nd	FR1 n41	100M	QPSK	1	1	DFT-30	Back	23mm	Ant 3	Full	518598	2592.99	25.42	27.00	1.439	0.07	0.366	0.527								
3000Mhz-4000Mhz																											
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	Sensor on	641666	3624.99	16.27	17.50	1.327	0.02	0.152	0.202	45.5%	0.126	0.184	0.874	0.50	0.46	PASS	
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	Sensor on	641666	3624.99	16.04	17.50	1.400	0.09	0.210	0.294								
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Back	23mm	Ant 4	Full	641666	3624.99	23.65	25.00	1.365	0.1	0.249	0.340	49.1%	0.213	0.317	0.788	0.50	0.49	PASS	
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Back	23mm	Ant 4	Full	641666	3624.99	23.57	25.00	1.390	0.09	0.365	0.507								
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	Sensor on	633332	3499.98	16.40	17.50	1.288	0.12	0.152	0.196	35.7%	0.123	0.166	0.878	0.50	0.36	PASS	
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	Sensor on	633332	3499.98	16.01	17.50	1.409	-0.07	0.189	0.266								
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Back	23mm	Ant 4	Full	633332	3499.98	25.82	27.00	1.312	-0.03	0.322	0.423	47.5%	0.264	0.390	0.736	0.49	0.48	PASS	
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Back	23mm	Ant 4	Full	633332	3499.98	25.39	27.00	1.449	-0.03	0.431	0.624								
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	Sensor on	656000	3840	16.38	17.50	1.294	-0.06	0.185	0.239	49.4%	0.149	0.223	0.851	0.50	0.49	PASS	
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Back	15mm	Ant 4	Sensor on	656000	3840	15.94	17.50	1.432	0.02	0.249	0.357								
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 4	Full	656000	3840	25.85	27.00	1.303	0.15	0.305	0.397	31.2%	0.248	0.326	0.752	0.50	0.31	PASS	
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 4	Full	656000	3840	25.35	27.00	1.462	0.03	0.356	0.521								



Plot No.	No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Deviation (%)	TER _R	TER _V	M	d _{TERmax}	d _{TER}	Pass Criterion
WLAN & BT																								
	1st	Bluetooth	DH5 1Mbps	Back	15mm	Ant 5	Full	0	2402	8.50	10.00	1.413	76.82	1.302	0.07	0.017	0.031							
88	2nd	Bluetooth	DH5 1Mbps	Back	15mm	Ant 5	Full	0	2402	8.70	10.00	1.349	76.82	1.302	-0.1	0.013	0.023	-25.8%	0.019	0.014	0.981	0.50	0.26	PASS
	1st	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 5	Full	1	2412	20.40	21.00	1.148	99.71	1.003	0.05	0.279	0.321							
89	2nd	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 5	Full	1	2412	20.30	21.00	1.175	99.71	1.003	0.09	0.268	0.316	-1.6%	0.201	0.198	0.799	0.50	0.02	PASS
	1st	WLAN5GHz	802.11n-HT40 MCS0	Back	15mm	Ant 5	Sensor on	54	5270	16.90	17.00	1.024	94.08	1.063	-0.05	0.225	0.245							
	2nd	WLAN5GHz	802.11n-HT40 MCS0	Back	15mm	Ant 5	Sensor on	54	5270	16.82	17.00	1.042	94.08	1.063	0.09	0.218	0.242	-1.2%	0.153	0.151	0.847	0.50	0.01	PASS
	1st	WLAN5GHz	802.11a 6Mbps	Back	23mm	Ant 5	Full	56	5280	20.30	21.00	1.175	97.46	1.026	0.11	0.442	0.533							
90	2nd	WLAN5GHz	802.11a 6Mbps	Back	23mm	Ant 5	Full	56	5280	20.10	21.00	1.230	97.46	1.026	0.08	0.416	0.525	-1.5%	0.333	0.328	0.667	0.42	0.02	PASS
	1st	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 5	Sensor on	106	5530	15.63	16.00	1.089	90.36	1.107	0.04	0.279	0.336							
	2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 5	Sensor on	106	5530	15.73	16.00	1.064	90.36	1.107	0.02	0.229	0.270	-19.6%	0.210	0.169	0.790	0.50	0.20	PASS
	1st	WLAN5GHz	802.11a 6Mbps	Back	23mm	Ant 5	Full	100	5500	20.49	21.00	1.124	97.46	1.026	0.08	0.491	0.566							
91	2nd	WLAN5GHz	802.11a 6Mbps	Back	23mm	Ant 5	Full	100	5500	20.33	21.00	1.167	97.46	1.026	0.18	0.385	0.461	-18.6%	0.354	0.288	0.646	0.40	0.19	PASS
	1st	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 5	Sensor on	155	5775	15.31	16.50	1.315	90.36	1.107	0.11	0.286	0.416							
	2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Back	15mm	Ant 5	Sensor on	155	5775	15.42	16.50	1.282	90.36	1.107	0.03	0.275	0.390	-6.2%	0.260	0.244	0.740	0.49	0.06	PASS
	1st	WLAN5GHz	802.11a 6Mbps	Back	23mm	Ant 5	Full	149	5745	19.59	21.00	1.383	97.46	1.026	0.19	0.407	0.578							
92	2nd	WLAN5GHz	802.11a 6Mbps	Back	23mm	Ant 5	Full	149	5745	19.72	21.00	1.343	97.46	1.026	0.11	0.387	0.533	-7.8%	0.361	0.333	0.639	0.39	0.08	PASS



16.4 Product specific 10g SAR

Plot No.	No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Deviation (%)	TER _R	TER _V	M	d _{TERmax}	d _{TER}	Pass Criterion	
1750MHz																													
	1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	Sensor on	1413	1732.6	17.85	19.50	1.462	-	-	0.07	1.390	2.032	-3.2%	0.508	0.492	0.492	0.25	0.03	PASS	
93	2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	Sensor on	1413	1732.6	17.80	19.50	1.479	-	-	0.03	1.330	1.967								
	1st	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	Sensor on	132322	1745	18.96	20.50	1.426	-	-	0.14	1.330	1.896	22.8%	0.474	0.582	0.526	0.28	0.23	PASS	
94	2nd	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	Sensor on	132322	1745	18.87	20.50	1.455	-	-	0.01	1.600	2.329								
	1st	FR1 n66	45M	QPSK	120	60	DFT-15	Top Side	0mm	Ant 3	Sensor on	349000	1745	23.34	23.50	1.038	-	-	0.08	1.940	2.013	23.4%	0.503	0.621	0.497	0.25	0.23	PASS	
95	2nd	FR1 n66	45M	QPSK	120	60	DFT-15	Top Side	0mm	Ant 3	Sensor on	349000	1745	23.07	23.50	1.104	-	-	0.12	2.250	2.484								
1900Mhz																													
	1st	GSM1900	-	-	-	-	GPRS 2TX Slot	Top Side	0mm	Ant 3	Sensor on	661	1880	24.15	25.00	1.216	-	-	-0.03	1.630	1.982	-15.8%	0.496	0.417	0.505	0.25	0.16	PASS	
96	2nd	GSM1900	-	-	-	-	GPRS 2TX Slot	Top Side	0mm	Ant 3	Sensor on	661	1880	23.98	25.00	1.265	-	-	-0.02	1.320	1.669								
	1st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	Sensor on	9400	1880	18.96	20.00	1.271	-	-	-0.08	1.740	2.211	-2.1%	0.553	0.541	0.447	0.25	0.02	PASS	
97	2nd	WCDMA II	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 3	Sensor on	9400	1880	18.82	20.00	1.312	-	-	0.11	1.650	2.165								
	1st	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	Sensor on	26340	1880	20.09	21.00	1.233	-	-	-0.09	1.720	2.121	13.9%	0.530	0.604	0.470	0.25	0.14	PASS	
98	2nd	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	Sensor on	26340	1880	19.91	21.00	1.285	-	-	0.02	1.880	2.416								
	1st	FR1 n25	40M	QPSK	108	54	DFT-15	Top Side	0mm	Ant 3	Sensor on	376500	1882.5	19.60	21.00	1.380	-	-	0.04	1.480	2.043	1.4%	0.511	0.518	0.489	0.25	0.01	PASS	
99	2nd	FR1 n25	40M	QPSK	108	54	DFT-15	Top Side	0mm	Ant 3	Sensor on	376500	1882.5	19.48	21.00	1.419	-	-	0.08	1.460	2.072								
2300MHz																													
	1st	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 3	Sensor on	27710	2310	18.96	20.00	1.271	-	-	-0.04	1.800	2.287	4.5%	0.572	0.597	0.428	0.25	0.04	PASS	
100	2nd	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 3	Sensor on	27710	2310	18.89	20.00	1.291	-	-	0.03	1.850	2.389								
	1st	FR1 n30	10M	QPSK	25	14	DFT-15	Back	0mm	Ant 3	Sensor on	462000	2310	21.15	21.50	1.084	-	-	0.14	1.890	2.049	1.7%	0.512	0.521	0.488	0.25	0.02	PASS	
101	2nd	FR1 n30	10M	QPSK	25	14	DFT-15	Back	0mm	Ant 3	Sensor on	462000	2310	21.03	21.50	1.114	-	-	-0.04	1.870	2.084								
2600Mhz																													
	1st	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 3	Sensor on	20850	2510	20.16	21.50	1.361	-	-	0.06	1.740	2.369	-13.0%	0.592	0.516	0.408	0.25	0.13	PASS	
102	2nd	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 3	Sensor on	20850	2510	19.91	21.50	1.442	-	-	-0.02	1.430	2.062								
	1st	FR1 n7	50M	QPSK	135	68	DFT-15	Back	0mm	Ant 3	Sensor on	507000	2535	20.48	22.00	1.419	-	-	0.06	1.360	1.930	26.0%	0.483	0.608	0.518	0.27	0.26	PASS	
103	2nd	FR1 n7	50M	QPSK	135	68	DFT-15	Back	0mm	Ant 3	Sensor on	507000	2535	20.37	22.00	1.455	-	-	-0.02	1.670	2.431								
	2nd	FR1 n41	100M	QPSK	1	1	DFT-30	Front	0mm	Ant 3	Sensor on	518598	2592.99	21.67	23.00	1.358			-0.08	1.060	1.440								
	2nd	FR1 n41	100M	QPSK	1	1	DFT-30	Back	0mm	Ant 3	Sensor on	518598	2592.99	21.67	23.00	1.358			0.06	1.910	2.594								
	2nd	FR1 n41	100M	QPSK	1	1	DFT-30	Left Side	0mm	Ant 3	Sensor on	518598	2592.99	21.67	23.00	1.358			0.04	1.270	1.725								
	2nd	FR1 n41	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 3	Sensor on	518598	2592.99	21.67	23.00	1.358			0.03	0.870	1.182								
	2nd	FR1 n41	100M	QPSK	135	69	DFT-30	Front	0mm	Ant 3	Sensor on	518598	2592.99	21.60	23.00	1.380			0.11	1.090	1.505								
104	2nd	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 3	Sensor on	518598	2592.99	21.60	23.00	1.380			-0.03	2.010	2.775								
	2nd	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	0mm	Ant 3	Sensor on	518598	2592.99	21.60	23.00	1.380			0.05	1.320	1.822								
	2nd	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 3	Sensor on	518598	2592.99	21.60	23.00	1.380			-0.07	0.897	1.238								
	2nd	FR1 n41	100M	QPSK	135	69	DFT-30	Front	18mm	Ant 3	Full	518598	2592.99	25.27	27.00	1.489			-0.04	0.268	0.399								
	2nd	FR1 n41	100M	QPSK	135	69	DFT-30	Back	23mm	Ant 3	Full	518598	2592.99	25.27	27.00	1.489			0.11	0.227	0.338								
	2nd	FR1 n41	100M	QPSK	135	69	DFT-30	Left Side	16mm	Ant 3	Full	518598	2592.99	25.27	27.00	1.489			0.03	0.273	0.407								
	2nd	FR1 n41	100M	QPSK	135	69	DFT-30	Top Side	23mm	Ant 3	Full	518598	2592.99	25.27	27.00	1.489			-0.01	0.184	0.274								
	2nd	FR1 n41	100M	QPSK	270	0	DFT-30	Back	0mm	Ant 3	Sensor on	518598	2592.99	21.56	23.00	1.393			0.09	1.860	2.591								
3000Mhz-4000Mhz																													
	1st	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	Sensor on	55340	3560	22.35	23.50	1.303	62.9	1.006	-0.04	1.640	2.150	-4.0%	0.538	0.516	0.463	0.25	0.04	PASS	
105	2nd	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	Sensor on	55340	3560	22.31	23.50	1.315	62.9	1.006	-0.03	1.560	2.064								
	1st	FR1 n48	40M	QPSK	50	28	DFT-30	Top Side	0mm	Ant 4	Sensor on	638000	3570	19.14	21.00	1.535	-	-	-0.13	1.350	2.072	24.8%	0.518	0.646	0.482	0.25	0.25	PASS	
106	2nd	FR1 n48	40M	QPSK	50	28	DFT-30	Top Side	0mm	Ant 4	Sensor on	638000	3570	19.05	21.00	1.567	-	-	0.02	1.650	2.585								
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 4	Sensor on	641666	3624.99	19.26	20.50	1.330	-	-	-0.01	1.540	2.049	9.4%	0.512	0.561	0.488	0.25	0.09	PASS	
107	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 4	Sensor on	641666	3624.99	19.22	20.50	1.343	-	-	0.09	1.670	2.242								
	1st	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 4	Sensor on	633332	3499.98	19.34	20.50	1.306	-	-	-0.05	1.610	2.103	-0.9%	0.526	0.521	0.474	0.25	0.01	PASS	
	2nd	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 4	Sensor on	633332	3499.98	19.13	20.50	1.371	-	-	-0.02	1.520	2.084								
	1st	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 4	Sensor on	656000	3840	19.42	20.50	1.282	-	-	0.15	1.060	1.359	22.5%	0.340	0.416	0.660	0.41	0.23	PASS	
	2nd	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 4	Sensor on	656000	3840	19.29	20.50	1.321	-	-	0.08	1.260	1.665								



For ENDC

Plot No.	No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Deviation (%)	TER _R	TER _L	M	d _{TERmax}	d _{TER}	Pass Criterion
1750Mhz																												
	1st	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	Sensor on	132322	1745	16.25	17.50	1.334	-	-	-0.17	0.647	0.863	21.4%	0.2160	0.2620	0.784	0.50	0.21	PASS
	2nd	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	Sensor on	132322	1745	16.21	17.50	1.334	-	-	0.07	0.786	1.048							
	1st	FR1 n66	45M	QPSK	120	60	DFT-15	Top Side	0mm	Ant 3	Sensor on	349000	1745	20.42	20.50	1.019	-	-	0.18	0.955	0.973	29.8%	0.2430	0.3160	0.757	0.50	0.30	PASS
	2nd	FR1 n66	45M	QPSK	120	60	DFT-15	Top Side	0mm	Ant 3	Sensor on	349000	1745	19.82	20.50	1.169	-	-	0.04	1.080	1.263							
1900Mhz																												
	1st	LTE Band 2	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	Sensor on	18900	1880	17.26	18.00	1.186	-	-	-0.06	0.860	1.020	-3.9%	0.2550	0.2450	0.745	0.50	0.04	PASS
	2nd	LTE Band 2	20M	QPSK	1	0	-	Top Side	0mm	Ant 3	Sensor on	18900	1880	17.18	18.00	1.208	-	-	-0.05	0.811	0.980							
	1st	LTE Band 2	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	Sensor on	18900	1880	15.31	16.50	1.315	-	-	0.1	0.786	1.034	11.0%	0.2590	0.2870	0.742	0.49	0.11	PASS
108	2nd	LTE Band 2	20M	QPSK	1	0	-	Left Side	0mm	Ant 2	Sensor on	18900	1880	15.18	16.50	1.355	-	-	0.02	0.847	1.148							
	1st	FR1 n25	40M	QPSK	108	54	DFT-15	Top Side	0mm	Ant 3	Sensor on	376500	1882.5	16.71	18.00	1.346	-	-	-0.14	0.720	0.969	-1.4%	0.2420	0.2390	0.758	0.50	0.01	PASS
	2nd	FR1 n25	40M	QPSK	108	54	DFT-15	Top Side	0mm	Ant 3	Sensor on	376500	1882.5	16.50	18.00	1.413	-	-	-0.08	0.676	0.955							
	1st	FR1 n2	40M	QPSK	108	54	DFT-15	Left Side	0mm	Ant 2	Sensor on	376000	1880	14.88	16.50	1.452	-	-	0.16	0.781	1.134	4.4%	0.2840	0.2960	0.717	0.47	0.04	PASS
109	2nd	FR1 n2	40M	QPSK	108	54	DFT-15	Left Side	0mm	Ant 2	Sensor on	376000	1880	14.78	16.50	1.486	-	-	-0.05	0.797	1.184							
2300Mhz																												
	1st	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 3	Sensor on	27710	2310	16.11	17.00	1.227	-	-	-0.14	0.900	1.105	-0.8%	0.2760	0.2740	0.724	0.47	0.01	PASS
	2nd	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant 3	Sensor on	27710	2310	16.08	17.00	1.236	-	-	0.11	0.887	1.096							
	1st	LTE Band 30	10M	QPSK	25	0	-	Back	0mm	Ant 2	Sensor on	27710	2310	14.80	16.00	1.318	-	-	0.19	0.780	1.028	-0.4%	0.2570	0.2560	0.743	0.49	0.00	PASS
	2nd	LTE Band 30	10M	QPSK	25	0	-	Back	0mm	Ant 2	Sensor on	27710	2310	14.79	16.00	1.321	-	-	0.02	0.775	1.024							
2600Mhz																												
	1st	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 3	Sensor on	518598	2592.99	18.86	20.00	1.300	-	-	-0.11	0.793	1.031	41.4%	0.2580	0.3650	0.742	0.49	0.41	PASS
	2nd	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 3	Sensor on	518598	2592.99	18.49	20.00	1.416	-	-	0.06	1.030	1.458							
3000Mhz-4000Mhz																												
	1st	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 4	Sensor on	641666	3624.99	16.27	17.50	1.327	-	-	0.01	0.753	1.000	14.5%	0.2500	0.2860	0.750	0.50	0.15	PASS
	2nd	FR1 n77	100M	QPSK	135	69	DFT-30	Top Side	0mm	Ant 4	Sensor on	641666	3624.99	16.04	17.50	1.400	-	-	0.06	0.818	1.145							
	1st	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 4	Sensor on	633332	3499.98	16.45	17.50	1.274	-	-	0.12	0.801	1.020	5.4%	0.2550	0.2690	0.745	0.50	0.05	PASS
	2nd	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 4	Sensor on	633332	3499.98	16.03	17.50	1.403	-	-	-0.08	0.766	1.075							
	1st	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 4	Sensor on	656000	3840	16.49	17.50	1.262	-	-	-0.1	0.518	0.654	34.6%	0.1640	0.2200	0.837	0.50	0.35	PASS
	2nd	FR1 n77	100M	QPSK	1	1	DFT-30	Top Side	0mm	Ant 4	Sensor on	656000	3840	16.03	17.50	1.403	-	-	-0.04	0.627	0.880							

Plot No.	No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Deviation (%)	TER _R	TER _L	M	d _{TERmax}	d _{TER}	Pass Criterion
	1st	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5	Sensor on	46	5230	16.88	17.00	1.028	94.08	1.063	-0.17	0.847	0.926	-27.8%	0.232	0.167	0.769	0.50	0.28	PASS
110	2nd	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5	Sensor on	46	5230	16.64	17.00	1.086	94.08	1.063	0.02	0.579	0.669							
	1st	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5	Sensor on	54	5270	16.90	17.00	1.024	94.08	1.063	-0.04	1.050	1.143	-28.1%	0.286	0.206	0.714	0.46	0.28	PASS
111	2nd	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5	Sensor on	54	5270	16.82	17.00	1.042	94.08	1.063	-0.11	0.742	0.822							
	1st	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5	Sensor on	106	5530	15.63	16.00	1.089	90.36	1.107	-0.03	0.894	1.078	-33.6%	0.270	0.179	0.731	0.48	0.34	PASS
112	2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5	Sensor on	106	5530	15.73	16.00	1.064	90.36	1.107	-0.1	0.608	0.716							
	1st	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	Sensor on	155	5775	15.31	16.50	1.315	90.36	1.107	0.06	0.277	0.403	36.7%	0.101	0.138	0.899	0.50	0.37	PASS
113	2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	Sensor on	155	5775	15.42	16.50	1.282	90.36	1.107	0.12	0.388	0.551							

<NFC SAR>

Plot No.	No.	Band	Mode	Test Position	Gap (mm)	Freq. (MHz)	Power Drift (dB)	Measured 10g SAR (W/kg)
	2nd	NFC	ASK	Front	0mm	13.56	-	n/a
114	2nd	NFC	ASK	Back	0mm	13.56	0.09	0.012
	2nd	NFC	ASK	Left Side	0mm	13.56	-	n/a
	2nd	NFC	ASK	Right Side	0mm	13.56	-	n/a
	2nd	NFC	ASK	Top Side	0mm	13.56	-	n/a
	2nd	NFC	ASK	Bottom Side	0mm	13.56	-	n/a

16.5 Repeated SAR Measurement

<1g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	FR1 n66	45M	QPSK	120	60	DFT-15	Top Side	10mm	Ant 3	Hotspot on	349000	1745	23.07	23.50	1.104	-	-	-0.07	0.862	1	0.952
2nd	FR1 n66	45M	QPSK	120	60	DFT-15	Top Side	10mm	Ant 3	Hotspot on	349000	1745	23.07	23.50	1.104	-	-	0.06	0.858	1.005	0.947

<10g>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	FR1 n66	45M	QPSK	120	60	DFT-15	Top Side	0mm	Ant 3	Sensor on	349000	1745	23.07	23.50	1.104	-	-	0.12	2.250	1	2.484
2nd	FR1 n66	45M	QPSK	120	60	DFT-15	Top Side	0mm	Ant 3	Sensor on	349000	1745	23.07	23.50	1.104	-	-	0.07	2.210	1.018	2.440
1st	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 3	Sensor on	518598	2592.99	21.60	23.00	1.380	-	-	-0.03	2.010	1	2.775
2nd	FR1 n41	100M	QPSK	135	69	DFT-30	Back	0mm	Ant 3	Sensor on	518598	2592.99	21.60	23.00	1.380	-	-	0.09	1.970	1.020	2.719

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/kg}$.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45\text{W/kg}$, only one repeated measurement is required.
3. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
4. The ratio is the difference in percentage between original and repeated *measured* SAR.
5. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

17. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN 2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN 5GHz	Yes	Yes	Yes	Yes
3.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
4.	WWAN + WLAN 5GHz + Bluetooth	Yes	Yes	Yes	Yes
5.	WWAN + WLAN 2.4GHz+ NFC				Yes
6.	WWAN + WLAN 5GHz+ NFC				Yes
7.	WWAN + Bluetooth+ NFC				Yes
8.	WWAN + WLAN 5GHz + Bluetooth+ NFC				Yes

General Note:

- Simultaneous transmission analysis for all bands and all positions are based on the maximum SAR results selected between the original filing and the spot check verification data.
- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands and EN-DC combination.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
- According to the EUT characteristic, WLAN5GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN2.4GHz and Bluetooth share the same antenna so can't transmit simultaneously.
- According to the EUT characteristic, WLAN2.4GHz and WLAN5GHz cannot transmit simultaneously.
- For 5GNR EN-DC mode, standalone SAR performed for 5GNR NSA band with the maximum power, EN-DC SAR summed EN-DC mode 5GNR standalone SAR and LTE standalone SAR, the result of EN-DC SAR is more conservatively.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- For extremity exposure conditions, distance SAR and non-distance SAR always chose higher SAR to do co-located analysis.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- All licensed modes share the same antenna part and cannot transmit simultaneously.
- The maximum SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.

Conclusion:

- The spot check results showed that Deviation of the SAR results all are met $d_{TER} < d_{TERmax(M)}$, thus the spot-check yields an acceptable condition.

**17.1 Head Exposure Conditions**

WWAN Band	Exposure Position	1	3	4	5	1+3	1+4	1+5
		WWAN	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850 Ant 0	Right Cheek	0.699	0.169	0.217	0.063	0.87	0.92	0.76
	Right Tilted	0.169	0.175	0.212	0.066	0.34	0.38	0.24
	Left Cheek	0.440	0.379	0.404	0.197	0.82	0.84	0.64
	Left Tilted	0.243	0.276	0.369	0.151	0.52	0.61	0.39
GSM1900 Ant 3	Right Cheek	0.619	0.169	0.217	0.063	0.79	0.84	0.68
	Right Tilted	0.863	0.175	0.212	0.066	1.04	1.08	0.93
	Left Cheek	0.344	0.379	0.404	0.197	0.72	0.75	0.54
	Left Tilted	0.411	0.276	0.369	0.151	0.69	0.78	0.56
WCDMA II Ant 3	Right Cheek	0.756	0.169	0.217	0.063	0.93	0.97	0.82
	Right Tilted	0.997	0.175	0.212	0.066	1.17	1.21	1.06
	Left Cheek	0.358	0.379	0.404	0.197	0.74	0.76	0.56
	Left Tilted	0.415	0.276	0.369	0.151	0.69	0.78	0.57
WCDMA IV Ant 3	Right Cheek	0.744	0.169	0.217	0.063	0.91	0.96	0.81
	Right Tilted	0.872	0.175	0.212	0.066	1.05	1.08	0.94
	Left Cheek	0.494	0.379	0.404	0.197	0.87	0.90	0.69
	Left Tilted	0.542	0.276	0.369	0.151	0.82	0.91	0.69
WCDMA V Ant 0	Right Cheek	0.429	0.169	0.217	0.063	0.60	0.65	0.49
	Right Tilted	0.226	0.175	0.212	0.066	0.40	0.44	0.29
	Left Cheek	0.409	0.379	0.404	0.197	0.79	0.81	0.61
	Left Tilted	0.225	0.276	0.369	0.151	0.50	0.59	0.38
LTE Band 7 Ant 3	Right Cheek	0.873	0.169	0.217	0.063	1.04	1.09	0.94
	Right Tilted	0.637	0.175	0.212	0.066	0.81	0.85	0.70
	Left Cheek	0.300	0.379	0.404	0.197	0.68	0.70	0.50
	Left Tilted	0.328	0.276	0.369	0.151	0.60	0.70	0.48
LTE Band 12 Ant 0	Right Cheek	0.418	0.169	0.217	0.063	0.59	0.64	0.48
	Right Tilted	0.124	0.175	0.212	0.066	0.30	0.34	0.19
	Left Cheek	0.173	0.379	0.404	0.197	0.55	0.58	0.37
	Left Tilted	0.097	0.276	0.369	0.151	0.37	0.47	0.25
LTE Band 13 Ant 0	Right Cheek	0.445	0.169	0.217	0.063	0.61	0.66	0.51
	Right Tilted	0.190	0.175	0.212	0.066	0.37	0.40	0.26
	Left Cheek	0.279	0.379	0.404	0.197	0.66	0.68	0.48
	Left Tilted	0.174	0.276	0.369	0.151	0.45	0.54	0.33
LTE Band 25 Ant 3	Right Cheek	0.824	0.169	0.217	0.063	0.99	1.04	0.89
	Right Tilted	0.778	0.175	0.212	0.066	0.95	0.99	0.84
	Left Cheek	0.407	0.379	0.404	0.197	0.79	0.81	0.60
	Left Tilted	0.456	0.276	0.369	0.151	0.73	0.83	0.61
LTE Band 26 Ant 0	Right Cheek	0.411	0.169	0.217	0.063	0.58	0.63	0.47
	Right Tilted	0.228	0.175	0.212	0.066	0.40	0.44	0.29
	Left Cheek	0.344	0.379	0.404	0.197	0.72	0.75	0.54
	Left Tilted	0.191	0.276	0.369	0.151	0.47	0.56	0.34
LTE Band 30 Ant 3	Right Cheek	0.712	0.169	0.217	0.063	0.88	0.93	0.78
	Right Tilted	0.848	0.175	0.212	0.066	1.02	1.06	0.91
	Left Cheek	0.306	0.379	0.404	0.197	0.69	0.71	0.50
	Left Tilted	0.382	0.276	0.369	0.151	0.66	0.75	0.53
LTE Band 66 Ant 3	Right Cheek	0.667	0.169	0.217	0.063	0.84	0.88	0.73
	Right Tilted	1.024	0.175	0.212	0.066	1.20	1.24	1.09
	Left Cheek	0.476	0.379	0.404	0.197	0.86	0.88	0.67
	Left Tilted	0.515	0.276	0.369	0.151	0.79	0.88	0.67
LTE Band 71 Ant 0	Right Cheek	0.341	0.169	0.217	0.063	0.51	0.56	0.40
	Right Tilted	0.123	0.175	0.212	0.066	0.30	0.34	0.19



FCC SAR Test Report

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	Left Cheek	0.155	0.379	0.404	0.197	0.53	0.56	0.35
	Left Tilted	0.085	0.276	0.369	0.151	0.36	0.45	0.24
LTE Band 48 Ant 4	Right Cheek	0.447	0.169	0.217	0.063	0.62	0.66	0.51
	Right Tilted	0.410	0.175	0.212	0.066	0.59	0.62	0.48
	Left Cheek	0.817	0.379	0.404	0.197	1.20	1.22	1.01
	Left Tilted	0.820	0.276	0.369	0.151	1.10	1.19	0.97
	Right Cheek	0.880	0.169	0.217	0.063	1.05	1.10	0.94
FR1 n7 Ant 3	Right Tilted	0.672	0.175	0.212	0.066	0.85	0.88	0.74
	Left Cheek	0.284	0.379	0.404	0.197	0.66	0.69	0.48
	Left Tilted	0.333	0.276	0.369	0.151	0.61	0.70	0.48
	Right Cheek	0.780	0.169	0.217	0.063	0.95	1.00	0.84
FR1 n25 Ant 3	Right Tilted	0.872	0.175	0.212	0.066	1.05	1.08	0.94
	Left Cheek	0.400	0.379	0.404	0.197	0.78	0.80	0.60
	Left Tilted	0.453	0.276	0.369	0.151	0.73	0.82	0.60
	Right Cheek	0.759	0.169	0.217	0.063	0.93	0.98	0.82
FR1 n30 Ant 3	Right Tilted	0.780	0.175	0.212	0.066	0.96	0.99	0.85
	Left Cheek	0.314	0.379	0.404	0.197	0.69	0.72	0.51
	Left Tilted	0.396	0.276	0.369	0.151	0.67	0.77	0.55
	Right Cheek	0.677	0.169	0.217	0.063	0.85	0.89	0.74
FR1 n66 Ant 3	Right Tilted	0.949	0.175	0.212	0.066	1.12	1.16	1.02
	Left Cheek	0.433	0.379	0.404	0.197	0.81	0.84	0.63
	Left Tilted	0.806	0.276	0.369	0.151	1.08	1.18	0.96
	Right Cheek	0.332	0.169	0.217	0.063	0.50	0.55	0.40
FR1 n71 Ant 0	Right Tilted	0.125	0.175	0.212	0.066	0.30	0.34	0.19
	Left Cheek	0.251	0.379	0.404	0.197	0.63	0.66	0.45
	Left Tilted	0.140	0.276	0.369	0.151	0.42	0.51	0.29
	Right Cheek	0.958	0.169	0.217	0.063	1.13	1.18	1.02
FR1 n41 Ant 3	Right Tilted	0.641	0.175	0.212	0.066	0.82	0.85	0.71
	Left Cheek	0.265	0.379	0.404	0.197	0.64	0.67	0.46
	Left Tilted	0.277	0.276	0.369	0.151	0.55	0.65	0.43
	Right Cheek	0.465	0.169	0.217	0.063	0.63	0.68	0.53
FR1 n48 Ant 4	Right Tilted	0.393	0.175	0.212	0.066	0.57	0.61	0.46
	Left Cheek	0.840	0.379	0.404	0.197	1.22	1.24	1.04
	Left Tilted	1.057	0.276	0.369	0.151	1.33	1.43	1.21
	Right Cheek	0.527	0.169	0.217	0.063	0.70	0.74	0.59
FR1 n77 Ant 4	Right Tilted	0.474	0.175	0.212	0.066	0.65	0.69	0.54
	Left Cheek	0.745	0.379	0.404	0.197	1.12	1.15	0.94
	Left Tilted	0.914	0.276	0.369	0.151	1.19	1.28	1.07
	Right Cheek	0.388	0.169	0.217	0.063	0.56	0.61	0.45
FR1 n5 Ant 0	Right Tilted	0.150	0.175	0.212	0.066	0.33	0.36	0.22
	Left Cheek	0.290	0.379	0.404	0.197	0.67	0.69	0.49
	Left Tilted	0.184	0.276	0.369	0.151	0.46	0.55	0.34
	Right Cheek	0.388	0.169	0.217	0.063	0.56	0.61	0.45

WWAN Band	Exposure Position	1	4	5	1+4+5 Summed 1g SAR (W/kg)
		WWAN	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
GSM850 Ant 0	Right Cheek	0.699	0.217	0.063	0.98
	Right Tilted	0.169	0.212	0.066	0.45
	Left Cheek	0.440	0.404	0.197	1.04
	Left Tilted	0.243	0.369	0.151	0.76
GSM1900 Ant 3	Right Cheek	0.619	0.217	0.063	0.90
	Right Tilted	0.863	0.212	0.066	1.14
	Left Cheek	0.344	0.404	0.197	0.95
	Left Tilted	0.411	0.369	0.151	0.93
WCDMA II Ant 3	Right Cheek	0.756	0.217	0.063	1.04



	Right Tilted	0.997	0.212	0.066	1.28
	Left Cheek	0.358	0.404	0.197	0.96
	Left Tilted	0.415	0.369	0.151	0.94
WCDMA IV Ant 3	Right Cheek	0.744	0.217	0.063	1.02
	Right Tilted	0.872	0.212	0.066	1.15
	Left Cheek	0.494	0.404	0.197	1.10
	Left Tilted	0.542	0.369	0.151	1.06
WCDMA V Ant 0	Right Cheek	0.429	0.217	0.063	0.71
	Right Tilted	0.226	0.212	0.066	0.50
	Left Cheek	0.409	0.404	0.197	1.01
	Left Tilted	0.225	0.369	0.151	0.75
LTE Band 7 Ant 3	Right Cheek	0.873	0.217	0.063	1.15
	Right Tilted	0.637	0.212	0.066	0.92
	Left Cheek	0.300	0.404	0.197	0.90
	Left Tilted	0.328	0.369	0.151	0.85
LTE Band 12 Ant 0	Right Cheek	0.418	0.217	0.063	0.70
	Right Tilted	0.124	0.212	0.066	0.40
	Left Cheek	0.173	0.404	0.197	0.77
	Left Tilted	0.097	0.369	0.151	0.62
LTE Band 13 Ant 0	Right Cheek	0.445	0.217	0.063	0.73
	Right Tilted	0.190	0.212	0.066	0.47
	Left Cheek	0.279	0.404	0.197	0.88
	Left Tilted	0.174	0.369	0.151	0.69
LTE Band 25 Ant 3	Right Cheek	0.824	0.217	0.063	1.10
	Right Tilted	0.778	0.212	0.066	1.06
	Left Cheek	0.407	0.404	0.197	1.01
	Left Tilted	0.456	0.369	0.151	0.98
LTE Band 26 Ant 0	Right Cheek	0.411	0.217	0.063	0.69
	Right Tilted	0.228	0.212	0.066	0.51
	Left Cheek	0.344	0.404	0.197	0.95
	Left Tilted	0.191	0.369	0.151	0.71
LTE Band 30 Ant 3	Right Cheek	0.712	0.217	0.063	0.99
	Right Tilted	0.848	0.212	0.066	1.13
	Left Cheek	0.306	0.404	0.197	0.91
	Left Tilted	0.382	0.369	0.151	0.90
LTE Band 66 Ant 3	Right Cheek	0.667	0.217	0.063	0.95
	Right Tilted	1.024	0.212	0.066	1.30
	Left Cheek	0.476	0.404	0.197	1.08
	Left Tilted	0.515	0.369	0.151	1.04
LTE Band 71 Ant 0	Right Cheek	0.341	0.217	0.063	0.62
	Right Tilted	0.123	0.212	0.066	0.40
	Left Cheek	0.155	0.404	0.197	0.76
	Left Tilted	0.085	0.369	0.151	0.61
LTE Band 48 Ant 4	Right Cheek	0.447	0.217	0.063	0.73
	Right Tilted	0.410	0.212	0.066	0.69
	Left Cheek	0.817	0.404	0.197	1.42
	Left Tilted	0.820	0.369	0.151	1.34
FR1 n7 Ant 3	Right Cheek	0.880	0.217	0.063	1.16
	Right Tilted	0.672	0.212	0.066	0.95
	Left Cheek	0.284	0.404	0.197	0.89
	Left Tilted	0.333	0.369	0.151	0.85
FR1 n25 Ant 3	Right Cheek	0.780	0.217	0.063	1.06
	Right Tilted	0.872	0.212	0.066	1.15
	Left Cheek	0.400	0.404	0.197	1.00
	Left Tilted	0.453	0.369	0.151	0.97
FR1 n30 Ant 3	Right Cheek	0.759	0.217	0.063	1.04



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	Right Tilted	0.780	0.212	0.066	1.06
	Left Cheek	0.314	0.404	0.197	0.92
	Left Tilted	0.396	0.369	0.151	0.92
FR1 n66 Ant 3	Right Cheek	0.677	0.217	0.063	0.96
	Right Tilted	0.949	0.212	0.066	1.23
	Left Cheek	0.433	0.404	0.197	1.03
	Left Tilted	0.806	0.369	0.151	1.33
FR1 n71 Ant 0	Right Cheek	0.332	0.217	0.063	0.61
	Right Tilted	0.125	0.212	0.066	0.40
	Left Cheek	0.251	0.404	0.197	0.85
	Left Tilted	0.140	0.369	0.151	0.66
FR1 n41 Ant 3	Right Cheek	0.958	0.217	0.063	1.24
	Right Tilted	0.641	0.212	0.066	0.92
	Left Cheek	0.265	0.404	0.197	0.87
	Left Tilted	0.277	0.369	0.151	0.80
FR1 n48 Ant 4	Right Cheek	0.465	0.217	0.063	0.75
	Right Tilted	0.393	0.212	0.066	0.67
	Left Cheek	0.840	0.404	0.197	1.44
	Left Tilted	1.057	0.369	0.151	1.58
FR1 n77 Ant 4	Right Cheek	0.527	0.217	0.063	0.81
	Right Tilted	0.474	0.212	0.066	0.75
	Left Cheek	0.745	0.404	0.197	1.35
	Left Tilted	0.914	0.369	0.151	1.43
FR1 n5 Ant 0	Right Cheek	0.388	0.217	0.063	0.67
	Right Tilted	0.150	0.212	0.066	0.43
	Left Cheek	0.290	0.404	0.197	0.89
	Left Tilted	0.184	0.369	0.151	0.70

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WWAN Band	Exposure Position	1	3	4	5	6	7	1+3+5	1+3+6	1+3+7	1+4+5	1+4+6	1+4+7
		WWAN	FR1 n25 Ant 3	FR1 n2 Ant 2	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Right Cheek	0.398	0.370	0.416	0.169	0.217	0.063	0.94	0.99	0.83			
	Right Tilted	0.106	0.404	0.347	0.175	0.212	0.066	0.69	0.72	0.58			
	Left Cheek	0.144	0.190	0.187	0.379	0.404	0.197	0.71	0.74	0.53			
	Left Tilted	0.063	0.214	0.194	0.276	0.369	0.151	0.55	0.65	0.43			
LTE Band 12 Ant 0	Right Cheek	0.418	0.370	0.416	0.169	0.217	0.063	0.96	1.01	0.85			
	Right Tilted	0.124	0.404	0.347	0.175	0.212	0.066	0.70	0.74	0.59			
	Left Cheek	0.173	0.190	0.187	0.379	0.404	0.197	0.74	0.77	0.56			
	Left Tilted	0.097	0.214	0.194	0.276	0.369	0.151	0.59	0.68	0.46			
LTE Band 13 Ant 0	Right Cheek	0.445	0.370	0.416	0.169	0.217	0.063	0.98	1.03	0.88			
	Right Tilted	0.190	0.404	0.347	0.175	0.212	0.066	0.77	0.81	0.66			
	Left Cheek	0.279	0.190	0.187	0.379	0.404	0.197	0.85	0.87	0.67			
	Left Tilted	0.174	0.214	0.194	0.276	0.369	0.151	0.66	0.76	0.54			
LTE Band 5 Ant 0	Right Cheek	0.390	0.370	0.416	0.169	0.217	0.063	0.93	0.98	0.82			
	Right Tilted	0.220	0.404	0.347	0.175	0.212	0.066	0.80	0.84	0.69			
	Left Cheek	0.314	0.190	0.187	0.379	0.404	0.197	0.88	0.91	0.70			
	Left Tilted	0.156	0.214	0.194	0.276	0.369	0.151	0.65	0.74	0.52			
LTE Band 30 Ant 2	Right Cheek	0.412	0.370	0.416	0.169	0.217	0.063	0.95	1.00	0.85			
	Right Tilted	0.363	0.404	0.347	0.175	0.212	0.066	0.94	0.98	0.83			
	Left Cheek	0.200	0.190	0.187	0.379	0.404	0.197	0.77	0.79	0.59			
	Left Tilted	0.146	0.214	0.194	0.276	0.369	0.151	0.64	0.73	0.51			
LTE Band	Right Cheek	0.318	0.370	0.416	0.169	0.217	0.063				0.90	0.95	0.80
	Right Tilted	0.475	0.404	0.347	0.175	0.212	0.066				1.00	1.03	0.89



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66 Ant 3	Left Cheek	0.224	0.190	0.187	0.379	0.404	0.197				0.79	0.82	0.61
	Left Tilted	0.247	0.214	0.194	0.276	0.369	0.151				0.72	0.81	0.59

WWAN Band	Exposure Position	1	3	4	6	7	1+3+6+7	1+4+6+7
		WWAN	FR1 n25 Ant 3	FR1 n2 Ant 2	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Right Cheek	0.398	0.370	0.416	0.217	0.063	1.05	
	Right Tilted	0.106	0.404	0.347	0.212	0.066	0.79	
	Left Cheek	0.144	0.190	0.187	0.404	0.197	0.94	
	Left Tilted	0.063	0.214	0.194	0.369	0.151	0.80	
LTE Band 12 Ant 0	Right Cheek	0.418	0.370	0.416	0.217	0.063	1.07	
	Right Tilted	0.124	0.404	0.347	0.212	0.066	0.81	
	Left Cheek	0.173	0.190	0.187	0.404	0.197	0.96	
	Left Tilted	0.097	0.214	0.194	0.369	0.151	0.83	
LTE Band 13 Ant 0	Right Cheek	0.445	0.370	0.416	0.217	0.063	1.10	
	Right Tilted	0.190	0.404	0.347	0.212	0.066	0.87	
	Left Cheek	0.279	0.190	0.187	0.404	0.197	1.07	
	Left Tilted	0.174	0.214	0.194	0.369	0.151	0.91	
LTE Band 5 Ant 0	Right Cheek	0.390	0.370	0.416	0.217	0.063	1.04	
	Right Tilted	0.220	0.404	0.347	0.212	0.066	0.90	
	Left Cheek	0.314	0.190	0.187	0.404	0.197	1.11	
	Left Tilted	0.156	0.214	0.194	0.369	0.151	0.89	
LTE Band 30 Ant 2	Right Cheek	0.412	0.370	0.416	0.217	0.063	1.06	
	Right Tilted	0.363	0.404	0.347	0.212	0.066	1.05	
	Left Cheek	0.200	0.190	0.187	0.404	0.197	0.99	
	Left Tilted	0.146	0.214	0.194	0.369	0.151	0.88	
LTE Band 66 Ant 3	Right Cheek	0.318	0.370	0.416	0.217	0.063		1.01
	Right Tilted	0.475	0.404	0.347	0.212	0.066		1.10
	Left Cheek	0.224	0.190	0.187	0.404	0.197		1.01
	Left Tilted	0.247	0.214	0.194	0.369	0.151		0.96

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n5 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Right Cheek	0.389	0.388	0.169	0.217	0.063	0.95	0.99	0.84
	Right Tilted	0.391	0.150	0.175	0.212	0.066	0.72	0.75	0.61
	Left Cheek	0.201	0.290	0.379	0.404	0.197	0.87	0.90	0.69
	Left Tilted	0.223	0.184	0.276	0.369	0.151	0.68	0.78	0.56
LTE Band 30 Ant 3	Right Cheek	0.348	0.388	0.169	0.217	0.063	0.91	0.95	0.80
	Right Tilted	0.410	0.150	0.175	0.212	0.066	0.74	0.77	0.63
	Left Cheek	0.149	0.290	0.379	0.404	0.197	0.82	0.84	0.64
	Left Tilted	0.189	0.184	0.276	0.369	0.151	0.65	0.74	0.52
LTE Band 66 Ant 3	Right Cheek	0.318	0.388	0.169	0.217	0.063	0.88	0.92	0.77
	Right Tilted	0.475	0.150	0.175	0.212	0.066	0.80	0.84	0.69
	Left Cheek	0.224	0.290	0.379	0.404	0.197	0.89	0.92	0.71
	Left Tilted	0.247	0.184	0.276	0.369	0.151	0.71	0.80	0.58

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n5 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Right Cheek	0.389	0.388	0.217	0.063	1.06
	Right Tilted	0.391	0.150	0.212	0.066	0.82
	Left Cheek	0.201	0.290	0.404	0.197	1.09
	Left Tilted	0.223	0.184	0.369	0.151	0.93



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LTE Band 30 Ant 3	Right Cheek	0.348	0.388	0.217	0.063	1.02
	Right Tilted	0.410	0.150	0.212	0.066	0.84
	Left Cheek	0.149	0.290	0.404	0.197	1.04
	Left Tilted	0.189	0.184	0.369	0.151	0.89
LTE Band 66 Ant 3	Right Cheek	0.318	0.388	0.217	0.063	0.99
	Right Tilted	0.475	0.150	0.212	0.066	0.90
	Left Cheek	0.224	0.290	0.404	0.197	1.12
	Left Tilted	0.247	0.184	0.369	0.151	0.95

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n25 Ant 3	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 66 Ant 2	Right Cheek	0.319	0.370	0.169	0.217	0.063	0.86	0.91	0.75
	Right Tilted	0.116	0.404	0.175	0.212	0.066	0.70	0.73	0.59
	Left Cheek	0.190	0.190	0.379	0.404	0.197	0.76	0.78	0.58
	Left Tilted	0.100	0.214	0.276	0.369	0.151	0.59	0.68	0.47

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n25 Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 66 Ant 2	Right Cheek	0.319	0.370	0.217	0.063	0.97
	Right Tilted	0.116	0.404	0.212	0.066	0.80
	Left Cheek	0.190	0.190	0.404	0.197	0.98
	Left Tilted	0.100	0.214	0.369	0.151	0.83

WWAN Band	Exposure Position	1	3	4	5	6	7	1+3+5	1+3+6	1+3+7	1+4+5	1+4+6	1+4+7
		WWAN	FR1 n66 Ant 3	FR1 n66 Ant 2	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Right Cheek	0.398	0.317	0.370	0.169	0.217	0.063	0.88	0.93	0.78			
	Right Tilted	0.106	0.482	0.135	0.175	0.212	0.066	0.76	0.80	0.65			
	Left Cheek	0.144	0.206	0.210	0.379	0.404	0.197	0.73	0.75	0.55			
	Left Tilted	0.063	0.222	0.089	0.276	0.369	0.151	0.56	0.65	0.44			
LTE Band 12 Ant 0	Right Cheek	0.418	0.317	0.370	0.169	0.217	0.063	0.90	0.95	0.80			
	Right Tilted	0.124	0.482	0.135	0.175	0.212	0.066	0.78	0.82	0.67			
	Left Cheek	0.173	0.206	0.210	0.379	0.404	0.197	0.76	0.78	0.58			
	Left Tilted	0.097	0.222	0.089	0.276	0.369	0.151	0.60	0.69	0.47			
LTE Band 13 Ant 0	Right Cheek	0.445	0.317	0.370	0.169	0.217	0.063	0.93	0.98	0.83			
	Right Tilted	0.190	0.482	0.135	0.175	0.212	0.066	0.85	0.88	0.74			
	Left Cheek	0.279	0.206	0.210	0.379	0.404	0.197	0.86	0.89	0.68			
	Left Tilted	0.174	0.222	0.089	0.276	0.369	0.151	0.67	0.77	0.55			
LTE Band 5 Ant 0	Right Cheek	0.390	0.317	0.370	0.169	0.217	0.063	0.88	0.92	0.77			
	Right Tilted	0.220	0.482	0.135	0.175	0.212	0.066	0.88	0.91	0.77			
	Left Cheek	0.314	0.206	0.210	0.379	0.404	0.197	0.90	0.92	0.72			
	Left Tilted	0.156	0.222	0.089	0.276	0.369	0.151	0.65	0.75	0.53			
LTE Band 30 Ant 3	Right Cheek	0.348	0.317	0.370	0.169	0.217	0.063				0.89	0.94	0.78
	Right Tilted	0.410	0.482	0.135	0.175	0.212	0.066				0.72	0.76	0.61
	Left Cheek	0.149	0.206	0.210	0.379	0.404	0.197				0.74	0.76	0.56
	Left Tilted	0.189	0.222	0.089	0.276	0.369	0.151				0.55	0.65	0.43
LTE Band 66 Ant 2	Right Cheek	0.319	0.317	0.370	0.169	0.217	0.063	0.81	0.85	0.70			
	Right Tilted	0.116	0.482	0.135	0.175	0.212	0.066	0.77	0.81	0.66			
	Left Cheek	0.190	0.206	0.210	0.379	0.404	0.197	0.78	0.80	0.59			
	Left Tilted	0.100	0.222	0.089	0.276	0.369	0.151	0.60	0.69	0.47			



WWAN Band	Exposure Position	1	3	4	6	7	1+3+6+7	1+4+6+7
		WWAN	FR1 n66 Ant 3	FR1 n66 Ant 2	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Right Cheek	0.398	0.317	0.370	0.217	0.063	1.00	
	Right Tilted	0.106	0.482	0.135	0.212	0.066	0.87	
	Left Cheek	0.144	0.206	0.210	0.404	0.197	0.95	
	Left Tilted	0.063	0.222	0.089	0.369	0.151	0.81	
LTE Band 12 Ant 0	Right Cheek	0.418	0.317	0.370	0.217	0.063	1.02	
	Right Tilted	0.124	0.482	0.135	0.212	0.066	0.88	
	Left Cheek	0.173	0.206	0.210	0.404	0.197	0.98	
	Left Tilted	0.097	0.222	0.089	0.369	0.151	0.84	
LTE Band 13 Ant 0	Right Cheek	0.445	0.317	0.370	0.217	0.063	1.04	
	Right Tilted	0.190	0.482	0.135	0.212	0.066	0.95	
	Left Cheek	0.279	0.206	0.210	0.404	0.197	1.09	
	Left Tilted	0.174	0.222	0.089	0.369	0.151	0.92	
LTE Band 5 Ant 0	Right Cheek	0.390	0.317	0.370	0.217	0.063	0.99	
	Right Tilted	0.220	0.482	0.135	0.212	0.066	0.98	
	Left Cheek	0.314	0.206	0.210	0.404	0.197	1.12	
	Left Tilted	0.156	0.222	0.089	0.369	0.151	0.90	
LTE Band 30 Ant 3	Right Cheek	0.348	0.317	0.370	0.217	0.063		1.00
	Right Tilted	0.410	0.482	0.135	0.212	0.066		0.82
	Left Cheek	0.149	0.206	0.210	0.404	0.197		0.96
	Left Tilted	0.189	0.222	0.089	0.369	0.151		0.80
LTE Band 66 Ant 2	Right Cheek	0.319	0.317	0.370	0.217	0.063	0.92	
	Right Tilted	0.116	0.482	0.135	0.212	0.066	0.88	
	Left Cheek	0.190	0.206	0.210	0.404	0.197	1.00	
	Left Tilted	0.100	0.222	0.089	0.369	0.151	0.84	

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n71 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Right Cheek	0.389	0.332	0.169	0.217	0.063	0.89	0.94	0.78
	Right Tilted	0.391	0.125	0.175	0.212	0.066	0.69	0.73	0.58
	Left Cheek	0.201	0.251	0.379	0.404	0.197	0.83	0.86	0.65
	Left Tilted	0.223	0.140	0.276	0.369	0.151	0.64	0.73	0.51
LTE Band 66 Ant 3	Right Cheek	0.318	0.332	0.169	0.217	0.063	0.82	0.87	0.71
	Right Tilted	0.475	0.125	0.175	0.212	0.066	0.78	0.81	0.67
	Left Cheek	0.224	0.251	0.379	0.404	0.197	0.85	0.88	0.67
	Left Tilted	0.247	0.140	0.276	0.369	0.151	0.66	0.76	0.54

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n71 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Right Cheek	0.389	0.332	0.217	0.063	1.00
	Right Tilted	0.391	0.125	0.212	0.066	0.79
	Left Cheek	0.201	0.251	0.404	0.197	1.05
	Left Tilted	0.223	0.140	0.369	0.151	0.88
LTE Band 66 Ant 3	Right Cheek	0.318	0.332	0.217	0.063	0.93
	Right Tilted	0.475	0.125	0.212	0.066	0.88
	Left Cheek	0.224	0.251	0.404	0.197	1.08
	Left Tilted	0.247	0.140	0.369	0.151	0.91



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WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n41 Ant 3	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Right Cheek	0.398	0.493	0.169	0.217	0.063	1.06	1.11	0.95
	Right Tilted	0.106	0.310	0.175	0.212	0.066	0.59	0.63	0.48
	Left Cheek	0.144	0.126	0.379	0.404	0.197	0.65	0.67	0.47
	Left Tilted	0.063	0.132	0.276	0.369	0.151	0.47	0.56	0.35
LTE Band 66 Ant 2	Right Cheek	0.319	0.493	0.169	0.217	0.063	0.98	1.03	0.88
	Right Tilted	0.116	0.310	0.175	0.212	0.066	0.60	0.64	0.49
	Left Cheek	0.190	0.126	0.379	0.404	0.197	0.70	0.72	0.51
	Left Tilted	0.100	0.132	0.276	0.369	0.151	0.51	0.60	0.38

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 1g SAR (W/kg)
		WWAN	FR1 n41 Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 2 Ant 2	Right Cheek	0.398	0.493	0.217	0.063	1.17
	Right Tilted	0.106	0.310	0.212	0.066	0.69
	Left Cheek	0.144	0.126	0.404	0.197	0.87
	Left Tilted	0.063	0.132	0.369	0.151	0.72
LTE Band 66 Ant 2	Right Cheek	0.319	0.493	0.217	0.063	1.09
	Right Tilted	0.116	0.310	0.212	0.066	0.70
	Left Cheek	0.190	0.126	0.404	0.197	0.92
	Left Tilted	0.100	0.132	0.369	0.151	0.75

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n77 Ant 4	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Right Cheek	0.398	0.256	0.169	0.217	0.063	0.82	0.87	0.72
	Right Tilted	0.106	0.230	0.175	0.212	0.066	0.51	0.55	0.40
	Left Cheek	0.144	0.363	0.379	0.404	0.197	0.89	0.91	0.70
	Left Tilted	0.063	0.446	0.276	0.369	0.151	0.79	0.88	0.66
LTE Band 12 Ant 0	Right Cheek	0.418	0.256	0.169	0.217	0.063	0.84	0.89	0.74
	Right Tilted	0.124	0.230	0.175	0.212	0.066	0.53	0.57	0.42
	Left Cheek	0.173	0.363	0.379	0.404	0.197	0.92	0.94	0.73
	Left Tilted	0.097	0.446	0.276	0.369	0.151	0.82	0.91	0.69
LTE Band 13 Ant 0	Right Cheek	0.445	0.256	0.169	0.217	0.063	0.87	0.92	0.76
	Right Tilted	0.190	0.230	0.175	0.212	0.066	0.60	0.63	0.49
	Left Cheek	0.279	0.363	0.379	0.404	0.197	1.02	1.05	0.84
	Left Tilted	0.174	0.446	0.276	0.369	0.151	0.90	0.99	0.77
LTE Band 5 Ant 0	Right Cheek	0.390	0.256	0.169	0.217	0.063	0.82	0.86	0.71
	Right Tilted	0.220	0.230	0.175	0.212	0.066	0.63	0.66	0.52
	Left Cheek	0.314	0.363	0.379	0.404	0.197	1.06	1.08	0.87
	Left Tilted	0.156	0.446	0.276	0.369	0.151	0.88	0.97	0.75
LTE Band 30 Ant 2	Right Cheek	0.412	0.256	0.169	0.217	0.063	0.84	0.89	0.73
	Right Tilted	0.363	0.230	0.175	0.212	0.066	0.77	0.81	0.66
	Left Cheek	0.200	0.363	0.379	0.404	0.197	0.94	0.97	0.76
	Left Tilted	0.146	0.446	0.276	0.369	0.151	0.87	0.96	0.74
LTE Band 66 Ant 2	Right Cheek	0.319	0.256	0.169	0.217	0.063	0.74	0.79	0.64
	Right Tilted	0.116	0.230	0.175	0.212	0.066	0.52	0.56	0.41
	Left Cheek	0.190	0.363	0.379	0.404	0.197	0.93	0.96	0.75



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	Left Tilted	0.100	0.446	0.276	0.369	0.151	0.82	0.92	0.70
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WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 1g SAR (W/kg)
		WWAN	FR1 n77 Ant 4	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 2 Ant 2	Right Cheek	0.398	0.256	0.217	0.063	0.93
	Right Tilted	0.106	0.230	0.212	0.066	0.61
	Left Cheek	0.144	0.363	0.404	0.197	1.11
	Left Tilted	0.063	0.446	0.369	0.151	1.03
LTE Band 12 Ant 0	Right Cheek	0.418	0.256	0.217	0.063	0.95
	Right Tilted	0.124	0.230	0.212	0.066	0.63
	Left Cheek	0.173	0.363	0.404	0.197	1.14
	Left Tilted	0.097	0.446	0.369	0.151	1.06
LTE Band 13 Ant 0	Right Cheek	0.445	0.256	0.217	0.063	0.98
	Right Tilted	0.190	0.230	0.212	0.066	0.70
	Left Cheek	0.279	0.363	0.404	0.197	1.24
	Left Tilted	0.174	0.446	0.369	0.151	1.14
LTE Band 5 Ant 0	Right Cheek	0.390	0.256	0.217	0.063	0.93
	Right Tilted	0.220	0.230	0.212	0.066	0.73
	Left Cheek	0.314	0.363	0.404	0.197	1.28
	Left Tilted	0.156	0.446	0.369	0.151	1.12
LTE Band 30 Ant 2	Right Cheek	0.412	0.256	0.217	0.063	0.95
	Right Tilted	0.363	0.230	0.212	0.066	0.87
	Left Cheek	0.200	0.363	0.404	0.197	1.16
	Left Tilted	0.146	0.446	0.369	0.151	1.11
LTE Band 66 Ant 2	Right Cheek	0.319	0.256	0.217	0.063	0.86
	Right Tilted	0.116	0.230	0.212	0.066	0.62
	Left Cheek	0.190	0.363	0.404	0.197	1.15
	Left Tilted	0.100	0.446	0.369	0.151	1.07

WWAN Band	Exposure Position	1	3	4	5	6	7	1+3+5	1+3+6	1+3+7	1+4+5	1+4+6	1+4+7
		WWAN	LTE Band 2 Ant 3	LTE Band 2 Ant 2	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Right Cheek	0.418	0.389	0.398	0.169	0.217	0.063	0.98	1.02	0.87			
	Right Tilted	0.124	0.391	0.106	0.175	0.212	0.066	0.69	0.73	0.58			
	Left Cheek	0.173	0.201	0.144	0.379	0.404	0.197	0.75	0.78	0.57			
	Left Tilted	0.097	0.223	0.063	0.276	0.369	0.151	0.60	0.69	0.47			
LTE Band 5 Ant 0	Right Cheek	0.390	0.389	0.398	0.169	0.217	0.063	0.95	1.00	0.84			
	Right Tilted	0.220	0.391	0.106	0.175	0.212	0.066	0.79	0.82	0.68			
	Left Cheek	0.314	0.201	0.144	0.379	0.404	0.197	0.89	0.92	0.71			
	Left Tilted	0.156	0.223	0.063	0.276	0.369	0.151	0.66	0.75	0.53			
LTE Band 66 Ant 3	Right Cheek	0.318	0.389	0.398	0.169	0.217	0.063				0.89	0.93	0.78
	Right Tilted	0.475	0.391	0.106	0.175	0.212	0.066				0.76	0.79	0.65
	Left Cheek	0.224	0.201	0.144	0.379	0.404	0.197				0.75	0.77	0.57
	Left Tilted	0.247	0.223	0.063	0.276	0.369	0.151				0.59	0.68	0.46



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WWAN Band	Exposure Position	1	3	4	6	7	1+3+6+7	1+4+6+7
		WWAN	LTE Band 2 Ant 3	LTE Band 2 Ant 2	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Right Cheek	0.418	0.389	0.398	0.217	0.063	1.09	
	Right Tilted	0.124	0.391	0.106	0.212	0.066	0.79	
	Left Cheek	0.173	0.201	0.144	0.404	0.197	0.98	
	Left Tilted	0.097	0.223	0.063	0.369	0.151	0.84	
LTE Band 5 Ant 0	Right Cheek	0.390	0.389	0.398	0.217	0.063	1.06	
	Right Tilted	0.220	0.391	0.106	0.212	0.066	0.89	
	Left Cheek	0.314	0.201	0.144	0.404	0.197	1.12	
	Left Tilted	0.156	0.223	0.063	0.369	0.151	0.90	
LTE Band 66 Ant 3	Right Cheek	0.318	0.389	0.398	0.217	0.063		1.00
	Right Tilted	0.475	0.391	0.106	0.212	0.066		0.86
	Left Cheek	0.224	0.201	0.144	0.404	0.197		0.97
	Left Tilted	0.247	0.223	0.063	0.369	0.151		0.83

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 66 Ant 3	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Right Cheek	0.418	0.318	0.169	0.217	0.063	0.91	0.95	0.80
	Right Tilted	0.124	0.475	0.175	0.212	0.066	0.77	0.81	0.67
	Left Cheek	0.173	0.224	0.379	0.404	0.197	0.78	0.80	0.59
	Left Tilted	0.097	0.247	0.276	0.369	0.151	0.62	0.71	0.50
LTE Band 13 Ant 0	Right Cheek	0.445	0.318	0.169	0.217	0.063	0.93	0.98	0.83
	Right Tilted	0.190	0.475	0.175	0.212	0.066	0.84	0.88	0.73
	Left Cheek	0.279	0.224	0.379	0.404	0.197	0.88	0.91	0.70
	Left Tilted	0.174	0.247	0.276	0.369	0.151	0.70	0.79	0.57
LTE Band 5 Ant 0	Right Cheek	0.390	0.318	0.169	0.217	0.063	0.88	0.93	0.77
	Right Tilted	0.220	0.475	0.175	0.212	0.066	0.87	0.91	0.76
	Left Cheek	0.314	0.224	0.379	0.404	0.197	0.92	0.94	0.74
	Left Tilted	0.156	0.247	0.276	0.369	0.151	0.68	0.77	0.55

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	LTE Band 66 Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Right Cheek	0.418	0.318	0.217	0.063	1.02
	Right Tilted	0.124	0.475	0.212	0.066	0.88
	Left Cheek	0.173	0.224	0.404	0.197	1.00
	Left Tilted	0.097	0.247	0.369	0.151	0.86
LTE Band 13 Ant 0	Right Cheek	0.445	0.318	0.217	0.063	1.04
	Right Tilted	0.190	0.475	0.212	0.066	0.94
	Left Cheek	0.279	0.224	0.404	0.197	1.10
	Left Tilted	0.174	0.247	0.369	0.151	0.94
LTE Band 5 Ant 0	Right Cheek	0.390	0.318	0.217	0.063	0.99
	Right Tilted	0.220	0.475	0.212	0.066	0.97
	Left Cheek	0.314	0.224	0.404	0.197	1.14
	Left Tilted	0.156	0.247	0.369	0.151	0.92

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 5 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Right Cheek	0.348	0.390	0.169	0.217	0.063	0.91	0.96	0.80
	Right Tilted	0.410	0.220	0.175	0.212	0.066	0.81	0.84	0.70
	Left Cheek	0.149	0.314	0.379	0.404	0.197	0.84	0.87	0.66
	Left Tilted	0.189	0.156	0.276	0.369	0.151	0.62	0.71	0.50
LTE Band 66 Ant 3	Right Cheek	0.318	0.390	0.169	0.217	0.063	0.88	0.93	0.77
	Right Tilted	0.475	0.220	0.175	0.212	0.066	0.87	0.91	0.76
	Left Cheek	0.224	0.314	0.379	0.404	0.197	0.92	0.94	0.74
	Left Tilted	0.247	0.156	0.276	0.369	0.151	0.68	0.77	0.55

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 1g SAR (W/kg)
		WWAN	LTE Band 5 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 30 Ant 3	Right Cheek	0.348	0.390	0.217	0.063	1.02
	Right Tilted	0.410	0.220	0.212	0.066	0.91
	Left Cheek	0.149	0.314	0.404	0.197	1.06
	Left Tilted	0.189	0.156	0.369	0.151	0.87
LTE Band 66 Ant 3	Right Cheek	0.318	0.390	0.217	0.063	0.99
	Right Tilted	0.475	0.220	0.212	0.066	0.97
	Left Cheek	0.224	0.314	0.404	0.197	1.14
	Left Tilted	0.247	0.156	0.369	0.151	0.92

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 12 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Right Cheek	0.348	0.418	0.169	0.217	0.063	0.94	0.98	0.83
	Right Tilted	0.410	0.124	0.175	0.212	0.066	0.71	0.75	0.60
	Left Cheek	0.149	0.173	0.379	0.404	0.197	0.70	0.73	0.52
	Left Tilted	0.189	0.097	0.276	0.369	0.151	0.56	0.66	0.44
LTE Band 66 Ant 3	Right Cheek	0.318	0.418	0.169	0.217	0.063	0.91	0.95	0.80
	Right Tilted	0.475	0.124	0.175	0.212	0.066	0.77	0.81	0.67
	Left Cheek	0.224	0.173	0.379	0.404	0.197	0.78	0.80	0.59
	Left Tilted	0.247	0.097	0.276	0.369	0.151	0.62	0.71	0.50

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 1g SAR (W/kg)
		WWAN	LTE Band 12 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 30 Ant 3	Right Cheek	0.348	0.418	0.217	0.063	1.05
	Right Tilted	0.410	0.124	0.212	0.066	0.81
	Left Cheek	0.149	0.173	0.404	0.197	0.92
	Left Tilted	0.189	0.097	0.369	0.151	0.81
LTE Band 66 Ant 3	Right Cheek	0.318	0.418	0.217	0.063	1.02
	Right Tilted	0.475	0.124	0.212	0.066	0.88
	Left Cheek	0.224	0.173	0.404	0.197	1.00
	Left Tilted	0.247	0.097	0.369	0.151	0.86



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WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 13 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Right Cheek	0.389	0.445	0.169	0.217	0.063	1.00	1.05	0.90
	Right Tilted	0.391	0.190	0.175	0.212	0.066	0.76	0.79	0.65
	Left Cheek	0.201	0.279	0.379	0.404	0.197	0.86	0.88	0.68
	Left Tilted	0.223	0.174	0.276	0.369	0.151	0.67	0.77	0.55
LTE Band 66 Ant 3	Right Cheek	0.318	0.445	0.169	0.217	0.063	0.93	0.98	0.83
	Right Tilted	0.475	0.190	0.175	0.212	0.066	0.84	0.88	0.73
	Left Cheek	0.224	0.279	0.379	0.404	0.197	0.88	0.91	0.70
	Left Tilted	0.247	0.174	0.276	0.369	0.151	0.70	0.79	0.57

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	LTE Band 13 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Right Cheek	0.389	0.445	0.217	0.063	1.11
	Right Tilted	0.391	0.190	0.212	0.066	0.86
	Left Cheek	0.201	0.279	0.404	0.197	1.08
	Left Tilted	0.223	0.174	0.369	0.151	0.92
LTE Band 66 Ant 3	Right Cheek	0.318	0.445	0.217	0.063	1.04
	Right Tilted	0.475	0.190	0.212	0.066	0.94
	Left Cheek	0.224	0.279	0.404	0.197	1.10
	Left Tilted	0.247	0.174	0.369	0.151	0.94



17.2 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	3	4	5	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+5 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 5 1g SAR (W/kg)	WLAN5GHz Ant 5 1g SAR (W/kg)	Bluetooth Ant 5 1g SAR (W/kg)			
GSM850 Ant 0	Front	0.454	0.249	0.206	0.029	0.70	0.66	0.48
	Back	0.772	0.354	0.428	0.068	1.13	1.20	0.84
	Left side	0.219				0.22	0.22	0.22
	Right side	0.254	0.303	0.269	0.020	0.56	0.52	0.27
	Top side		0.227	0.295	0.031	0.23	0.30	0.03
	Bottom side	0.225				0.23	0.23	0.23
GSM1900 Ant 3	Front	0.327	0.249	0.206	0.029	0.58	0.53	0.36
	Back	0.357	0.354	0.428	0.068	0.71	0.79	0.43
	Left side	0.086				0.09	0.09	0.09
	Right side		0.303	0.269	0.020	0.30	0.27	0.02
	Top side	0.820	0.227	0.295	0.031	1.05	1.12	0.85
	Bottom side					0.00	0.00	0.00
WCDMA II Ant 3	Front	0.388	0.249	0.206	0.029	0.64	0.59	0.42
	Back	0.500	0.354	0.428	0.068	0.85	0.93	0.57
	Left side	0.109				0.11	0.11	0.11
	Right side		0.303	0.269	0.020	0.30	0.27	0.02
	Top side	0.847	0.227	0.295	0.031	1.07	1.14	0.88
	Bottom side					0.00	0.00	0.00
WCDMA IV Ant 3	Front	0.608	0.249	0.206	0.029	0.86	0.81	0.64
	Back	0.534	0.354	0.428	0.068	0.89	0.96	0.60
	Left side	0.196				0.20	0.20	0.20
	Right side		0.303	0.269	0.020	0.30	0.27	0.02
	Top side	0.916	0.227	0.295	0.031	1.14	1.21	0.95
	Bottom side					0.00	0.00	0.00
WCDMA V Ant 0	Front	0.370	0.249	0.206	0.029	0.62	0.58	0.40
	Back	0.614	0.354	0.428	0.068	0.97	1.04	0.68
	Left side	0.237				0.24	0.24	0.24
	Right side	0.279	0.303	0.269	0.020	0.58	0.55	0.30
	Top side		0.227	0.295	0.031	0.23	0.30	0.03
	Bottom side	0.276				0.28	0.28	0.28
LTE Band 7 Ant 3	Front	0.278	0.249	0.206	0.029	0.53	0.48	0.31
	Back	0.856	0.354	0.428	0.068	1.21	1.28	0.92
	Left side	0.342				0.34	0.34	0.34
	Right side		0.303	0.269	0.020	0.30	0.27	0.02
	Top side	0.543	0.227	0.295	0.031	0.77	0.84	0.57
	Bottom side					0.00	0.00	0.00
LTE Band 12 Ant 0	Front	0.361	0.249	0.206	0.029	0.61	0.57	0.39
	Back	0.576	0.354	0.428	0.068	0.93	1.00	0.64
	Left side	0.298				0.30	0.30	0.30
	Right side	0.408	0.303	0.269	0.020	0.71	0.68	0.43
	Top side		0.227	0.295	0.031	0.23	0.30	0.03
	Bottom side	0.165				0.17	0.17	0.17
LTE Band 13 Ant 0	Front	0.427	0.249	0.206	0.029	0.68	0.63	0.46
	Back	0.638	0.354	0.428	0.068	0.99	1.07	0.71
	Left side	0.358				0.36	0.36	0.36
	Right side	0.443	0.303	0.269	0.020	0.75	0.71	0.46
	Top side		0.227	0.295	0.031	0.23	0.30	0.03
	Bottom side	0.218				0.22	0.22	0.22
LTE Band 25 Ant 3	Front	0.371	0.249	0.206	0.029	0.62	0.58	0.40
	Back	0.425	0.354	0.428	0.068	0.78	0.85	0.49



	Left side	0.198				0.20	0.20	0.20
	Right side		0.303	0.269	0.020	0.30	0.27	0.02
	Top side	0.872	0.227	0.295	0.031	1.10	1.17	0.90
	Bottom side					0.00	0.00	0.00
LTE Band 26 Ant 0	Front	0.315	0.249	0.206	0.029	0.56	0.52	0.34
	Back	0.500	0.354	0.428	0.068	0.85	0.93	0.57
	Left side	0.183				0.18	0.18	0.18
	Right side	0.199	0.303	0.269	0.020	0.50	0.47	0.22
	Top side		0.227	0.295	0.031	0.23	0.30	0.03
	Bottom side	0.153				0.15	0.15	0.15
LTE Band 30 Ant 3	Front	0.235	0.249	0.206	0.029	0.48	0.44	0.26
	Back	0.651	0.354	0.428	0.068	1.01	1.08	0.72
	Left side	0.123				0.12	0.12	0.12
	Right side		0.303	0.269	0.020	0.30	0.27	0.02
	Top side	0.825	0.227	0.295	0.031	1.05	1.12	0.86
	Bottom side					0.00	0.00	0.00
LTE Band 66 Ant 3	Front	0.493	0.249	0.206	0.029	0.74	0.70	0.52
	Back	0.410	0.354	0.428	0.068	0.76	0.84	0.48
	Left side	0.163				0.16	0.16	0.16
	Right side		0.303	0.269	0.020	0.30	0.27	0.02
	Top side	0.927	0.227	0.295	0.031	1.15	1.22	0.96
	Bottom side					0.00	0.00	0.00
LTE Band 71 Ant 0	Front	0.292	0.249	0.206	0.029	0.54	0.50	0.32
	Back	0.441	0.354	0.428	0.068	0.80	0.87	0.51
	Left side	0.281				0.28	0.28	0.28
	Right side	0.419	0.303	0.269	0.020	0.72	0.69	0.44
	Top side		0.227	0.295	0.031	0.23	0.30	0.03
	Bottom side	0.164				0.16	0.16	0.16
LTE Band 48 Ant 4	Front	0.493	0.249	0.206	0.029	0.74	0.70	0.52
	Back	0.884	0.354	0.428	0.068	1.24	1.31	0.95
	Left side					0.00	0.00	0.00
	Right side	0.369	0.303	0.269	0.020	0.67	0.64	0.39
	Top side	0.875	0.227	0.295	0.031	1.10	1.17	0.91
	Bottom side					0.00	0.00	0.00
FR1 n7 Ant 3	Front	0.297	0.249	0.206	0.029	0.55	0.50	0.33
	Back	0.920	0.354	0.428	0.068	1.27	1.35	0.99
	Left side	0.446				0.45	0.45	0.45
	Right side		0.303	0.269	0.020	0.30	0.27	0.02
	Top side	0.595	0.227	0.295	0.031	0.82	0.89	0.63
	Bottom side					0.00	0.00	0.00
FR1 n25 Ant 3	Front	0.463	0.249	0.206	0.029	0.71	0.67	0.49
	Back	0.480	0.354	0.428	0.068	0.83	0.91	0.55
	Left side	0.213				0.21	0.21	0.21
	Right side		0.303	0.269	0.020	0.30	0.27	0.02
	Top side	0.899	0.227	0.295	0.031	1.13	1.19	0.93
	Bottom side					0.00	0.00	0.00
FR1 n30 Ant 3	Front	0.287	0.249	0.206	0.029	0.54	0.49	0.32
	Back	0.801	0.354	0.428	0.068	1.16	1.23	0.87
	Left side	0.149				0.15	0.15	0.15
	Right side		0.303	0.269	0.020	0.30	0.27	0.02
	Top side	0.847	0.227	0.295	0.031	1.07	1.14	0.88
	Bottom side					0.00	0.00	0.00
FR1 n66 Ant 3	Front	0.489	0.249	0.206	0.029	0.74	0.70	0.52
	Back	0.505	0.354	0.428	0.068	0.86	0.93	0.57
	Left side	0.157				0.16	0.16	0.16
	Right side		0.303	0.269	0.020	0.30	0.27	0.02



	Top side	0.952	0.227	0.295	0.031	1.18	1.25	0.98
	Bottom side					0.00	0.00	0.00
FR1 n71 Ant 0	Front	0.288	0.249	0.206	0.029	0.54	0.49	0.32
	Back	0.410	0.354	0.428	0.068	0.76	0.84	0.48
	Left side	0.197				0.20	0.20	0.20
	Right side	0.318	0.303	0.269	0.020	0.62	0.59	0.34
	Top side		0.227	0.295	0.031	0.23	0.30	0.03
	Bottom side	0.113				0.11	0.11	0.11
FR1 n41 Ant 3	Front	0.339	0.249	0.206	0.029	0.59	0.55	0.37
	Back	0.988	0.354	0.428	0.068	1.34	1.42	1.06
	Left side	0.459				0.46	0.46	0.46
	Right side		0.303	0.269	0.020	0.30	0.27	0.02
	Top side	0.600	0.227	0.295	0.031	0.83	0.90	0.63
	Bottom side					0.00	0.00	0.00
FR1 n48 Ant 4	Front	0.499	0.249	0.206	0.029	0.75	0.71	0.53
	Back	1.042	0.354	0.428	0.068	1.40	1.47	1.11
	Left side					0.00	0.00	0.00
	Right side	0.308	0.303	0.269	0.020	0.61	0.58	0.33
	Top side	0.834	0.227	0.295	0.031	1.06	1.13	0.87
	Bottom side					0.00	0.00	0.00
FR1 n77 Ant 4	Front	0.494	0.249	0.206	0.029	0.74	0.70	0.52
	Back	0.843	0.354	0.428	0.068	1.20	1.27	0.91
	Left side					0.00	0.00	0.00
	Right side	0.276	0.303	0.269	0.020	0.58	0.55	0.30
	Top side	0.940	0.227	0.295	0.031	1.17	1.24	0.97
	Bottom side					0.00	0.00	0.00
FR1 n5 Ant 0	Front	0.248	0.249	0.206	0.029	0.50	0.45	0.28
	Back	0.478	0.354	0.428	0.068	0.83	0.91	0.55
	Left side	0.192				0.19	0.19	0.19
	Right side	0.220	0.303	0.269	0.020	0.52	0.49	0.24
	Top side		0.227	0.295	0.031	0.23	0.30	0.03
	Bottom side	0.144				0.14	0.14	0.14

WWAN Band	Exposure Position	1	4	5	1+4+5 Summed 1g SAR (W/kg)
		WWAN	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
GSM850 Ant 0	Front	0.454	0.206	0.029	0.69
	Back	0.772	0.428	0.068	1.27
	Left side	0.219			0.22
	Right side	0.254	0.269	0.020	0.54
	Top side		0.295	0.031	0.33
	Bottom side	0.225			0.23
GSM1900 Ant 3	Front	0.327	0.206	0.029	0.56
	Back	0.357	0.428	0.068	0.85
	Left side	0.086			0.09
	Right side		0.269	0.020	0.29
	Top side	0.820	0.295	0.031	1.15
	Bottom side				0.00
WCDMA II Ant 3	Front	0.388	0.206	0.029	0.62
	Back	0.500	0.428	0.068	1.00
	Left side	0.109			0.11
	Right side		0.269	0.020	0.29
	Top side	0.847	0.295	0.031	1.17
	Bottom side				0.00
WCDMA IV Ant 3	Front	0.608	0.206	0.029	0.84
	Back	0.534	0.428	0.068	1.03



	Left side	0.196			0.20
	Right side		0.269	0.020	0.29
	Top side	0.916	0.295	0.031	1.24
	Bottom side				0.00
WCDMA V Ant 0	Front	0.370	0.206	0.029	0.61
	Back	0.614	0.428	0.068	1.11
	Left side	0.237			0.24
	Right side	0.279	0.269	0.020	0.57
	Top side		0.295	0.031	0.33
	Bottom side	0.276			0.28
LTE Band 7 Ant 3	Front	0.278	0.206	0.029	0.51
	Back	0.856	0.428	0.068	1.35
	Left side	0.342			0.34
	Right side		0.269	0.020	0.29
	Top side	0.543	0.295	0.031	0.87
	Bottom side				0.00
LTE Band 12 Ant 0	Front	0.361	0.206	0.029	0.60
	Back	0.576	0.428	0.068	1.07
	Left side	0.298			0.30
	Right side	0.408	0.269	0.020	0.70
	Top side		0.295	0.031	0.33
	Bottom side	0.165			0.17
LTE Band 13 Ant 0	Front	0.427	0.206	0.029	0.66
	Back	0.638	0.428	0.068	1.13
	Left side	0.358			0.36
	Right side	0.443	0.269	0.020	0.73
	Top side		0.295	0.031	0.33
	Bottom side	0.218			0.22
LTE Band 25 Ant 3	Front	0.371	0.206	0.029	0.61
	Back	0.425	0.428	0.068	0.92
	Left side	0.198			0.20
	Right side		0.269	0.020	0.29
	Top side	0.872	0.295	0.031	1.20
	Bottom side				0.00
LTE Band 26 Ant 0	Front	0.315	0.206	0.029	0.55
	Back	0.500	0.428	0.068	1.00
	Left side	0.183			0.18
	Right side	0.199	0.269	0.020	0.49
	Top side		0.295	0.031	0.33
	Bottom side	0.153			0.15
LTE Band 30 Ant 3	Front	0.235	0.206	0.029	0.47
	Back	0.651	0.428	0.068	1.15
	Left side	0.123			0.12
	Right side		0.269	0.020	0.29
	Top side	0.825	0.295	0.031	1.15
	Bottom side				0.00
LTE Band 66 Ant 3	Front	0.493	0.206	0.029	0.73
	Back	0.410	0.428	0.068	0.91
	Left side	0.163			0.16
	Right side		0.269	0.020	0.29
	Top side	0.927	0.295	0.031	1.25
	Bottom side				0.00
LTE Band 71 Ant 0	Front	0.292	0.206	0.029	0.53
	Back	0.441	0.428	0.068	0.94
	Left side	0.281			0.28
	Right side	0.419	0.269	0.020	0.71



	Top side		0.295	0.031	0.33
	Bottom side	0.164			0.16
LTE Band 48 Ant 4	Front	0.493	0.206	0.029	0.73
	Back	0.884	0.428	0.068	1.38
	Left side				0.00
	Right side	0.369	0.269	0.020	0.66
	Top side	0.875	0.295	0.031	1.20
	Bottom side				0.00
FR1 n7 Ant 3	Front	0.297	0.206	0.029	0.53
	Back	0.920	0.428	0.068	1.42
	Left side	0.446			0.45
	Right side		0.269	0.020	0.29
	Top side	0.595	0.295	0.031	0.92
	Bottom side				0.00
FR1 n25 Ant 3	Front	0.463	0.206	0.029	0.70
	Back	0.480	0.428	0.068	0.98
	Left side	0.213			0.21
	Right side		0.269	0.020	0.29
	Top side	0.899	0.295	0.031	1.23
	Bottom side				0.00
FR1 n30 Ant 3	Front	0.287	0.206	0.029	0.52
	Back	0.801	0.428	0.068	1.30
	Left side	0.149			0.15
	Right side		0.269	0.020	0.29
	Top side	0.847	0.295	0.031	1.17
	Bottom side				0.00
FR1 n66 Ant 3	Front	0.489	0.206	0.029	0.72
	Back	0.505	0.428	0.068	1.00
	Left side	0.157			0.16
	Right side		0.269	0.020	0.29
	Top side	0.952	0.295	0.031	1.28
	Bottom side				0.00
FR1 n71 Ant 0	Front	0.288	0.206	0.029	0.52
	Back	0.410	0.428	0.068	0.91
	Left side	0.197			0.20
	Right side	0.318	0.269	0.020	0.61
	Top side		0.295	0.031	0.33
	Bottom side	0.113			0.11
FR1 n41 Ant 3	Front	0.339	0.206	0.029	0.57
	Back	0.988	0.428	0.068	1.48
	Left side	0.459			0.46
	Right side		0.269	0.020	0.29
	Top side	0.600	0.295	0.031	0.93
	Bottom side				0.00
FR1 n48 Ant 4	Front	0.499	0.206	0.029	0.73
	Back	1.042	0.428	0.068	1.54
	Left side				0.00
	Right side	0.308	0.269	0.020	0.60
	Top side	0.834	0.295	0.031	1.16
	Bottom side				0.00
FR1 n77 Ant 4	Front	0.494	0.206	0.029	0.73
	Back	0.843	0.428	0.068	1.34
	Left side				0.00
	Right side	0.276	0.269	0.020	0.57
	Top side	0.940	0.295	0.031	1.27
	Bottom side				0.00



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FR1 n5 Ant 0	Front	0.248	0.206	0.029	0.48
	Back	0.478	0.428	0.068	0.97
	Left side	0.192			0.19
	Right side	0.220	0.269	0.020	0.51
	Top side		0.295	0.031	0.33
	Bottom side	0.144			0.14

For ENDC

WWAN Band	Exposure Position	1	3	4	5	6	7	1+3+5	1+3+6	1+3+7	1+4+5	1+4+6	1+4+7
		WWAN	FR1 n25 Ant 3	FR1 n2 Ant 2	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.135	0.220	0.141	0.249	0.206	0.029	0.60	0.56	0.38			
	Back	0.296	0.231	0.342	0.354	0.428	0.068	0.88	0.96	0.60			
	Left side	0.389	0.104	0.434				0.49	0.49	0.49			
	Right side				0.303	0.269	0.020	0.30	0.27	0.02			
	Top side		0.430		0.227	0.191	0.031	0.66	0.62	0.46			
	Bottom side							0.00	0.00	0.00			
LTE Band 12 Ant 0	Front	0.276	0.220	0.141	0.249	0.206	0.029	0.75	0.70	0.53			
	Back	0.426	0.231	0.342	0.354	0.428	0.068	1.01	1.09	0.73			
	Left side	0.227	0.104	0.434				0.33	0.33	0.33			
	Right side	0.309			0.303	0.269	0.020	0.61	0.58	0.33			
	Top side		0.430		0.227	0.191	0.031	0.66	0.62	0.46			
	Bottom side	0.125						0.13	0.13	0.13			
LTE Band 13 Ant 0	Front	0.322	0.220	0.141	0.249	0.206	0.029	0.79	0.75	0.57			
	Back	0.472	0.231	0.342	0.354	0.428	0.068	1.06	1.13	0.77			
	Left side	0.279	0.104	0.434				0.38	0.38	0.38			
	Right side	0.347			0.303	0.269	0.020	0.65	0.62	0.37			
	Top side		0.430		0.227	0.191	0.031	0.66	0.62	0.46			
	Bottom side	0.165						0.17	0.17	0.17			
LTE Band 5 Ant 0	Front	0.246	0.220	0.141	0.249	0.206	0.029	0.72	0.67	0.50			
	Back	0.437	0.231	0.342	0.354	0.428	0.068	1.02	1.10	0.74			
	Left side	0.145	0.104	0.434				0.25	0.25	0.25			
	Right side	0.155			0.303	0.269	0.020	0.46	0.42	0.18			
	Top side		0.430		0.227	0.191	0.031	0.66	0.62	0.46			
	Bottom side	0.120						0.12	0.12	0.12			
LTE Band 30 Ant 2	Front	0.092	0.220	0.141	0.249	0.206	0.029	0.56	0.52	0.34			
	Back	0.399	0.231	0.342	0.354	0.428	0.068	0.98	1.06	0.70			
	Left side	0.409	0.104	0.434				0.51	0.51	0.51			
	Right side				0.303	0.269	0.020	0.30	0.27	0.02			
	Top side	0.058	0.430		0.227	0.191	0.031	0.72	0.68	0.52			
	Bottom side							0.00	0.00	0.00			
LTE Band 66 Ant 3	Front	0.238	0.220	0.141	0.249	0.206	0.029				0.63	0.59	0.41
	Back	0.200	0.231	0.342	0.354	0.428	0.068				0.90	0.97	0.61
	Left side	0.080	0.104	0.434							0.51	0.51	0.51
	Right side				0.303	0.269	0.020				0.30	0.27	0.02
	Top side	0.410	0.430		0.227	0.191	0.031				0.64	0.60	0.44
	Bottom side										0.00	0.00	0.00



WWAN Band	Exposure Position	1	3	4	6	7	1+3+6+7	1+4+6+7
		WWAN	FR1 n25 Ant 3	FR1 n2 Ant 2	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.135	0.220	0.141	0.206	0.029	0.59	
	Back	0.296	0.231	0.342	0.428	0.068	1.02	
	Left side	0.389	0.104	0.434			0.49	
	Right side				0.269	0.020	0.29	
	Top side		0.430		0.191	0.031	0.65	
	Bottom side						0.00	
LTE Band 12 Ant 0	Front	0.276	0.220	0.141	0.206	0.029	0.73	
	Back	0.426	0.231	0.342	0.428	0.068	1.15	
	Left side	0.227	0.104	0.434			0.33	
	Right side	0.309			0.269	0.020	0.60	
	Top side		0.430		0.191	0.031	0.65	
	Bottom side	0.125					0.13	
LTE Band 13 Ant 0	Front	0.322	0.220	0.141	0.206	0.029	0.78	
	Back	0.472	0.231	0.342	0.428	0.068	1.20	
	Left side	0.279	0.104	0.434			0.38	
	Right side	0.347			0.269	0.020	0.64	
	Top side		0.430		0.191	0.031	0.65	
	Bottom side	0.165					0.17	
LTE Band 5 Ant 0	Front	0.246	0.220	0.141	0.206	0.029	0.70	
	Back	0.437	0.231	0.342	0.428	0.068	1.16	
	Left side	0.145	0.104	0.434			0.25	
	Right side	0.155			0.269	0.020	0.44	
	Top side		0.430		0.191	0.031	0.65	
	Bottom side	0.120					0.12	
LTE Band 30 Ant 2	Front	0.092	0.220	0.141	0.206	0.029	0.55	
	Back	0.399	0.231	0.342	0.428	0.068	1.13	
	Left side	0.409	0.104	0.434			0.51	
	Right side				0.269	0.020	0.29	
	Top side	0.058	0.430		0.191	0.031	0.71	
	Bottom side						0.00	
LTE Band 66 Ant 3	Front	0.238	0.220	0.141	0.206	0.029		0.61
	Back	0.200	0.231	0.342	0.428	0.068		1.04
	Left side	0.080	0.104	0.434				0.51
	Right side				0.269	0.020		0.29
	Top side	0.410	0.430		0.191	0.031		0.63
	Bottom side							0.00

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n5 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.183	0.248	0.249	0.206	0.029	0.68	0.64	0.46
	Back	0.206	0.478	0.354	0.428	0.068	1.04	1.11	0.75
	Left side	0.098	0.192				0.29	0.29	0.29
	Right side		0.220	0.303	0.269	0.020	0.52	0.49	0.24
	Top side	0.384		0.227	0.191	0.031	0.61	0.58	0.42
	Bottom side		0.144				0.14	0.14	0.14
LTE Band 30 Ant 3	Front	0.115	0.248	0.249	0.206	0.029	0.61	0.57	0.39
	Back	0.319	0.478	0.354	0.428	0.068	1.15	1.23	0.87
	Left side	0.060	0.192				0.25	0.25	0.25
	Right side		0.220	0.303	0.269	0.020	0.52	0.49	0.24
	Top side	0.399		0.227	0.191	0.031	0.63	0.59	0.43
	Bottom side								



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	Bottom side		0.144				0.14	0.14	0.14
LTE Band 66 Ant 3	Front	0.238	0.248	0.249	0.206	0.029	0.74	0.69	0.52
	Back	0.200	0.478	0.354	0.428	0.068	1.03	1.11	0.75
	Left side	0.080	0.192				0.27	0.27	0.27
	Right side		0.220	0.303	0.269	0.020	0.52	0.49	0.24
	Top side	0.410		0.227	0.191	0.031	0.64	0.60	0.44
	Bottom side		0.144				0.14	0.14	0.14

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 1g SAR (W/kg)
		WWAN	FR1 n5 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 2 Ant 3	Front	0.183	0.248	0.206	0.029	0.67
	Back	0.206	0.478	0.428	0.068	1.18
	Left side	0.098	0.192			0.29
	Right side		0.220	0.269	0.020	0.51
	Top side	0.384		0.191	0.031	0.61
	Bottom side		0.144			0.14
LTE Band 30 Ant 3	Front	0.115	0.248	0.206	0.029	0.60
	Back	0.319	0.478	0.428	0.068	1.29
	Left side	0.060	0.192			0.25
	Right side		0.220	0.269	0.020	0.51
	Top side	0.399		0.191	0.031	0.62
	Bottom side		0.144			0.14
LTE Band 66 Ant 3	Front	0.238	0.248	0.206	0.029	0.72
	Back	0.200	0.478	0.428	0.068	1.17
	Left side	0.080	0.192			0.27
	Right side		0.220	0.269	0.020	0.51
	Top side	0.410		0.191	0.031	0.63
	Bottom side		0.144			0.14

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n25 Ant 3	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 66 Ant 2	Front	0.101	0.220	0.249	0.206	0.029	0.57	0.53	0.35
	Back	0.310	0.231	0.354	0.428	0.068	0.90	0.97	0.61
	Left side	0.215	0.104				0.32	0.32	0.32
	Right side			0.303	0.269	0.020	0.30	0.27	0.02
	Top side		0.430	0.227	0.191	0.031	0.66	0.62	0.46
	Bottom side						0.00	0.00	0.00

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 1g SAR (W/kg)
		WWAN	FR1 n25 Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 66 Ant 2	Front	0.101	0.220	0.206	0.029	0.56
	Back	0.310	0.231	0.428	0.068	1.04
	Left side	0.215	0.104			0.32
	Right side			0.269	0.020	0.29
	Top side		0.430	0.191	0.031	0.65
	Bottom side					0.00



WWAN Band	Exposure Position	1	3	4	5	6	7	1+3+5	1+3+6	1+3+7	1+4+5	1+4+6	1+4+7
		WWAN	FR1 n66 Ant 3	FR1 n66 Ant 2	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.135	0.233	0.103	0.249	0.206	0.029	0.62	0.57	0.40			
	Back	0.296	0.248	0.327	0.354	0.428	0.068	0.90	0.97	0.61			
	Left side	0.389	0.077	0.265				0.47	0.47	0.47			
	Right side				0.303	0.269	0.020	0.30	0.27	0.02			
	Top side		0.499		0.227	0.191	0.031	0.73	0.69	0.53			
	Bottom side							0.00	0.00	0.00			
LTE Band 12 Ant 0	Front	0.276	0.233	0.103	0.249	0.206	0.029	0.76	0.72	0.54			
	Back	0.426	0.248	0.327	0.354	0.428	0.068	1.03	1.10	0.74			
	Left side	0.227	0.077	0.265				0.30	0.30	0.30			
	Right side	0.309			0.303	0.269	0.020	0.61	0.58	0.33			
	Top side		0.499		0.227	0.191	0.031	0.73	0.69	0.53			
	Bottom side	0.125						0.13	0.13	0.13			
LTE Band 13 Ant 0	Front	0.322	0.233	0.103	0.249	0.206	0.029	0.80	0.76	0.58			
	Back	0.472	0.248	0.327	0.354	0.428	0.068	1.07	1.15	0.79			
	Left side	0.279	0.077	0.265				0.36	0.36	0.36			
	Right side	0.347			0.303	0.269	0.020	0.65	0.62	0.37			
	Top side		0.499		0.227	0.191	0.031	0.73	0.69	0.53			
	Bottom side	0.165						0.17	0.17	0.17			
LTE Band 5 Ant 0	Front	0.246	0.233	0.103	0.249	0.206	0.029	0.73	0.69	0.51			
	Back	0.437	0.248	0.327	0.354	0.428	0.068	1.04	1.11	0.75			
	Left side	0.145	0.077	0.265				0.22	0.22	0.22			
	Right side	0.155			0.303	0.269	0.020	0.46	0.42	0.18			
	Top side		0.499		0.227	0.191	0.031	0.73	0.69	0.53			
	Bottom side	0.120						0.12	0.12	0.12			
LTE Band 30 Ant 3	Front	0.115	0.233	0.103	0.249	0.206	0.029				0.47	0.42	0.25
	Back	0.319	0.248	0.327	0.354	0.428	0.068				1.00	1.07	0.71
	Left side	0.060	0.077	0.265							0.33	0.33	0.33
	Right side				0.303	0.269	0.020				0.30	0.27	0.02
	Top side	0.399	0.499		0.227	0.191	0.031				0.63	0.59	0.43
	Bottom side										0.00	0.00	0.00
LTE Band 66 Ant 2	Front	0.101	0.233	0.103	0.249	0.206	0.029	0.58	0.54	0.36			
	Back	0.310	0.248	0.327	0.354	0.428	0.068	0.91	0.99	0.63			
	Left side	0.215	0.077	0.265				0.29	0.29	0.29			
	Right side				0.303	0.269	0.020	0.30	0.27	0.02			
	Top side		0.499		0.227	0.191	0.031	0.73	0.69	0.53			
	Bottom side							0.00	0.00	0.00			

WWAN Band	Exposure Position	1	3	4	6	7	1+3+6+7	1+4+6+7
		WWAN	FR1 n66 Ant 3	FR1 n66 Ant 2	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.135	0.233	0.103	0.206	0.029	0.60	
	Back	0.296	0.248	0.327	0.428	0.068	1.04	
	Left side	0.389	0.077	0.265			0.47	
	Right side				0.269	0.020	0.29	
	Top side		0.499		0.191	0.031	0.72	
	Bottom side						0.00	
LTE Band 12 Ant 0	Front	0.276	0.233	0.103	0.206	0.029	0.74	
	Back	0.426	0.248	0.327	0.428	0.068	1.17	
	Left side	0.227	0.077	0.265			0.30	



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	Right side	0.309			0.269	0.020	0.60	
	Top side		0.499		0.191	0.031	0.72	
	Bottom side	0.125					0.13	
LTE Band 13 Ant 0	Front	0.322	0.233	0.103	0.206	0.029	0.79	
	Back	0.472	0.248	0.327	0.428	0.068	1.22	
	Left side	0.279	0.077	0.265			0.36	
	Right side	0.347			0.269	0.020	0.64	
	Top side		0.499		0.191	0.031	0.72	
	Bottom side	0.165					0.17	
LTE Band 5 Ant 0	Front	0.246	0.233	0.103	0.206	0.029	0.71	
	Back	0.437	0.248	0.327	0.428	0.068	1.18	
	Left side	0.145	0.077	0.265			0.22	
	Right side	0.155			0.269	0.020	0.44	
	Top side		0.499		0.191	0.031	0.72	
	Bottom side	0.120					0.12	
LTE Band 30 Ant 3	Front	0.115	0.233	0.103	0.206	0.029		0.45
	Back	0.319	0.248	0.327	0.428	0.068		1.14
	Left side	0.060	0.077	0.265				0.33
	Right side				0.269	0.020		0.29
	Top side	0.399	0.499		0.191	0.031		0.62
	Bottom side							0.00
LTE Band 66 Ant 2	Front	0.101	0.233	0.103	0.206	0.029	0.57	
	Back	0.310	0.248	0.327	0.428	0.068	1.05	
	Left side	0.215	0.077	0.265			0.29	
	Right side				0.269	0.020	0.29	
	Top side		0.499		0.191	0.031	0.72	
	Bottom side						0.00	

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n71 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.183	0.288	0.249	0.206	0.029	0.72	0.68	0.50
	Back	0.206	0.410	0.354	0.428	0.068	0.97	1.04	0.68
	Left side	0.098	0.197				0.30	0.30	0.30
	Right side		0.318	0.303	0.269	0.020	0.62	0.59	0.34
	Top side	0.384		0.227	0.191	0.031	0.61	0.58	0.42
	Bottom side		0.113				0.11	0.11	0.11
LTE Band 66 Ant 3	Front	0.238	0.288	0.249	0.206	0.029	0.78	0.73	0.56
	Back	0.200	0.410	0.354	0.428	0.068	0.96	1.04	0.68
	Left side	0.080	0.197				0.28	0.28	0.28
	Right side		0.318	0.303	0.269	0.020	0.62	0.59	0.34
	Top side	0.410		0.227	0.191	0.031	0.64	0.60	0.44
	Bottom side		0.113				0.11	0.11	0.11

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n71 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.183	0.288	0.206	0.029	0.71
	Back	0.206	0.410	0.428	0.068	1.11
	Left side	0.098	0.197			0.30
	Right side		0.318	0.269	0.020	0.61
	Top side	0.384		0.191	0.031	0.61
	Bottom side		0.113			0.11
LTE Band 66 Ant 3	Front	0.238	0.288	0.206	0.029	0.76



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	Back	0.200	0.410	0.428	0.068	1.11
	Left side	0.080	0.197			0.28
	Right side		0.318	0.269	0.020	0.61
	Top side	0.410		0.191	0.031	0.63
	Bottom side		0.113			0.11

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n41 Ant 3	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.135	0.166	0.249	0.206	0.029	0.55	0.51	0.33
	Back	0.296	0.510	0.354	0.428	0.068	1.16	1.23	0.87
	Left side	0.389	0.225				0.61	0.61	0.61
	Right side			0.303	0.269	0.020	0.30	0.27	0.02
	Top side		0.292	0.227	0.191	0.031	0.52	0.48	0.32
	Bottom side						0.00	0.00	0.00
LTE Band 66 Ant 2	Front	0.101	0.166	0.249	0.206	0.029	0.52	0.47	0.30
	Back	0.310	0.510	0.354	0.428	0.068	1.17	1.25	0.89
	Left side	0.215	0.225				0.44	0.44	0.44
	Right side			0.303	0.269	0.020	0.30	0.27	0.02
	Top side		0.292	0.227	0.191	0.031	0.52	0.48	0.32
	Bottom side						0.00	0.00	0.00

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 1g SAR (W/kg)
		WWAN	FR1 n41 Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 2 Ant 2	Front	0.135	0.166	0.206	0.029	0.54
	Back	0.296	0.510	0.428	0.068	1.30
	Left side	0.389	0.225			0.61
	Right side			0.269	0.020	0.29
	Top side		0.292	0.191	0.031	0.51
	Bottom side					0.00
LTE Band 66 Ant 2	Front	0.101	0.166	0.206	0.029	0.50
	Back	0.310	0.510	0.428	0.068	1.32
	Left side	0.215	0.225			0.44
	Right side			0.269	0.020	0.29
	Top side		0.292	0.191	0.031	0.51
	Bottom side					0.00

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n77 Ant 4	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.135	0.240	0.249	0.206	0.029	0.62	0.58	0.40
	Back	0.296	0.412	0.354	0.428	0.068	1.06	1.14	0.78
	Left side	0.389					0.39	0.39	0.39
	Right side		0.166	0.303	0.269	0.020	0.47	0.44	0.19
	Top side		0.515	0.227	0.191	0.031	0.74	0.71	0.55
	Bottom side						0.00	0.00	0.00
LTE Band 12 Ant 0	Front	0.276	0.240	0.249	0.206	0.029	0.77	0.72	0.55
	Back	0.426	0.412	0.354	0.428	0.068	1.19	1.27	0.91
	Left side	0.227					0.23	0.23	0.23
	Right side	0.309	0.166	0.303	0.269	0.020	0.78	0.74	0.50
	Top side		0.515	0.227	0.191	0.031	0.74	0.71	0.55
	Bottom side	0.125					0.13	0.13	0.13



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LTE Band 13 Ant 0	Front	0.322	0.240	0.249	0.206	0.029	0.81	0.77	0.59
	Back	0.472	0.412	0.354	0.428	0.068	1.24	1.31	0.95
	Left side	0.279					0.28	0.28	0.28
	Right side	0.347	0.166	0.303	0.269	0.020	0.82	0.78	0.53
	Top side		0.515	0.227	0.191	0.031	0.74	0.71	0.55
	Bottom side	0.165					0.17	0.17	0.17
LTE Band 5 Ant 0	Front	0.246	0.240	0.249	0.206	0.029	0.74	0.69	0.52
	Back	0.437	0.412	0.354	0.428	0.068	1.20	1.28	0.92
	Left side	0.145					0.15	0.15	0.15
	Right side	0.155	0.166	0.303	0.269	0.020	0.62	0.59	0.34
	Top side		0.515	0.227	0.191	0.031	0.74	0.71	0.55
	Bottom side	0.120					0.12	0.12	0.12
LTE Band 30 Ant 2	Front	0.092	0.240	0.249	0.206	0.029	0.58	0.54	0.36
	Back	0.399	0.412	0.354	0.428	0.068	1.17	1.24	0.88
	Left side	0.409					0.41	0.41	0.41
	Right side		0.166	0.303	0.269	0.020	0.47	0.44	0.19
	Top side	0.058	0.515	0.227	0.191	0.031	0.80	0.76	0.60
	Bottom side						0.00	0.00	0.00
LTE Band 66 Ant 2	Front	0.101	0.240	0.249	0.206	0.029	0.59	0.55	0.37
	Back	0.310	0.412	0.354	0.428	0.068	1.08	1.15	0.79
	Left side	0.215					0.22	0.22	0.22
	Right side		0.166	0.303	0.269	0.020	0.47	0.44	0.19
	Top side		0.515	0.227	0.191	0.031	0.74	0.71	0.55
	Bottom side						0.00	0.00	0.00

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 1g SAR (W/kg)
		WWAN	FR1 n77 Ant 4	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 2 Ant 2	Front	0.135	0.240	0.206	0.029	0.61
	Back	0.296	0.412	0.428	0.068	1.20
	Left side	0.389				0.39
	Right side		0.166	0.269	0.020	0.46
	Top side		0.515	0.191	0.031	0.74
	Bottom side					0.00
LTE Band 12 Ant 0	Front	0.276	0.240	0.206	0.029	0.75
	Back	0.426	0.412	0.428	0.068	1.33
	Left side	0.227				0.23
	Right side	0.309	0.166	0.269	0.020	0.76
	Top side		0.515	0.191	0.031	0.74
	Bottom side	0.125				0.13
LTE Band 13 Ant 0	Front	0.322	0.240	0.206	0.029	0.80
	Back	0.472	0.412	0.428	0.068	1.38
	Left side	0.279				0.28
	Right side	0.347	0.166	0.269	0.020	0.80
	Top side		0.515	0.191	0.031	0.74
	Bottom side	0.165				0.17
LTE Band 5 Ant 0	Front	0.246	0.240	0.206	0.029	0.72
	Back	0.437	0.412	0.428	0.068	1.35
	Left side	0.145				0.15
	Right side	0.155	0.166	0.269	0.020	0.61
	Top side		0.515	0.191	0.031	0.74
	Bottom side	0.120				0.12
LTE Band 30 Ant 2	Front	0.092	0.240	0.206	0.029	0.57
	Back	0.399	0.412	0.428	0.068	1.31
	Left side	0.409				0.41



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LTE Band 66 Ant 2	Right side		0.166	0.269	0.020	0.46
	Top side	0.058	0.515	0.191	0.031	0.80
	Bottom side					0.00
	Front	0.101	0.240	0.206	0.029	0.58
	Back	0.310	0.412	0.428	0.068	1.22
	Left side	0.215				0.22
	Right side		0.166	0.269	0.020	0.46
	Top side		0.515	0.191	0.031	0.74
	Bottom side					0.00

WWAN Band	Exposure Position	1	3	4	5	6	7	1+3+5	1+3+6	1+3+7	1+4+5	1+4+6	1+4+7
		WWAN	LTE Band 2 Ant 3	LTE Band 2 Ant 2	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Front	0.276	0.183	0.135	0.249	0.206	0.029	0.71	0.67	0.49			
	Back	0.426	0.206	0.296	0.354	0.428	0.068	0.99	1.06	0.70			
	Left side	0.227	0.098	0.389				0.33	0.33	0.33			
	Right side	0.309			0.303	0.269	0.020	0.61	0.58	0.33			
	Top side		0.384		0.227	0.191	0.031	0.61	0.58	0.42			
	Bottom side	0.125						0.13	0.13	0.13			
LTE Band 5 Ant 0	Front	0.246	0.183	0.135	0.249	0.206	0.029	0.68	0.64	0.46			
	Back	0.437	0.206	0.296	0.354	0.428	0.068	1.00	1.07	0.71			
	Left side	0.145	0.098	0.389				0.24	0.24	0.24			
	Right side	0.155			0.303	0.269	0.020	0.46	0.42	0.18			
	Top side		0.384		0.227	0.191	0.031	0.61	0.58	0.42			
	Bottom side	0.120						0.12	0.12	0.12			
LTE Band 66 Ant 3	Front	0.238	0.183	0.135	0.249	0.206	0.029				0.62	0.58	0.40
	Back	0.200	0.206	0.296	0.354	0.428	0.068				0.85	0.92	0.56
	Left side	0.080	0.098	0.389							0.47	0.47	0.47
	Right side				0.303	0.269	0.020				0.30	0.27	0.02
	Top side	0.410	0.384		0.227	0.191	0.031				0.64	0.60	0.44
	Bottom side										0.00	0.00	0.00

WWAN Band	Exposure Position	1	3	4	6	7	1+3+6+7	1+4+6+7
		WWAN	LTE Band 2 Ant 3	LTE Band 2 Ant 2	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Front	0.276	0.183	0.135	0.206	0.029	0.69	
	Back	0.426	0.206	0.296	0.428	0.068	1.13	
	Left side	0.227	0.098	0.389			0.33	
	Right side	0.309			0.269	0.020	0.60	
	Top side		0.384		0.191	0.031	0.61	
	Bottom side	0.125					0.13	
LTE Band 5 Ant 0	Front	0.246	0.183	0.135	0.206	0.029	0.66	
	Back	0.437	0.206	0.296	0.428	0.068	1.14	
	Left side	0.145	0.098	0.389			0.24	
	Right side	0.155			0.269	0.020	0.44	
	Top side		0.384		0.191	0.031	0.61	
	Bottom side	0.120					0.12	
LTE Band 66 Ant 3	Front	0.238	0.183	0.135	0.206	0.029		0.61
	Back	0.200	0.206	0.296	0.428	0.068		0.99
	Left side	0.080	0.098	0.389				0.47
	Right side				0.269	0.020		0.29
	Top side	0.410	0.384		0.191	0.031		0.63



	Bottom side							0.00
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WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 66 Ant 3	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Front	0.276	0.238	0.249	0.206	0.029	0.76	0.72	0.54
	Back	0.426	0.200	0.354	0.428	0.068	0.98	1.05	0.69
	Left side	0.227	0.080				0.31	0.31	0.31
	Right side	0.309		0.303	0.269	0.020	0.61	0.58	0.33
	Top side		0.410	0.227	0.191	0.031	0.64	0.60	0.44
	Bottom side	0.125					0.13	0.13	0.13
LTE Band 13 Ant 0	Front	0.322	0.238	0.249	0.206	0.029	0.81	0.77	0.59
	Back	0.472	0.200	0.354	0.428	0.068	1.03	1.10	0.74
	Left side	0.279	0.080				0.36	0.36	0.36
	Right side	0.347		0.303	0.269	0.020	0.65	0.62	0.37
	Top side		0.410	0.227	0.191	0.031	0.64	0.60	0.44
	Bottom side	0.165					0.17	0.17	0.17
LTE Band 5 Ant 0	Front	0.246	0.238	0.249	0.206	0.029	0.73	0.69	0.51
	Back	0.437	0.200	0.354	0.428	0.068	0.99	1.07	0.71
	Left side	0.145	0.080				0.23	0.23	0.23
	Right side	0.155		0.303	0.269	0.020	0.46	0.42	0.18
	Top side		0.410	0.227	0.191	0.031	0.64	0.60	0.44
	Bottom side	0.120					0.12	0.12	0.12

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 1g SAR (W/kg)
		WWAN	LTE Band 66 Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 12 Ant 0	Front	0.276	0.238	0.206	0.029	0.75
	Back	0.426	0.200	0.428	0.068	1.12
	Left side	0.227	0.080			0.31
	Right side	0.309		0.269	0.020	0.60
	Top side		0.410	0.191	0.031	0.63
	Bottom side	0.125				0.13
LTE Band 13 Ant 0	Front	0.322	0.238	0.206	0.029	0.80
	Back	0.472	0.200	0.428	0.068	1.17
	Left side	0.279	0.080			0.36
	Right side	0.347		0.269	0.020	0.64
	Top side		0.410	0.191	0.031	0.63
	Bottom side	0.165				0.17
LTE Band 5 Ant 0	Front	0.246	0.238	0.206	0.029	0.72
	Back	0.437	0.200	0.428	0.068	1.13
	Left side	0.145	0.080			0.23
	Right side	0.155		0.269	0.020	0.44
	Top side		0.410	0.191	0.031	0.63
	Bottom side	0.120				0.12

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 5 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Front	0.115	0.246	0.249	0.206	0.029	0.61	0.57	0.39
	Back	0.319	0.437	0.354	0.428	0.068	1.11	1.18	0.82
	Left side	0.060	0.145				0.21	0.21	0.21



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	Right side		0.155	0.303	0.269	0.020	0.46	0.42	0.18
	Top side	0.399		0.227	0.191	0.031	0.63	0.59	0.43
	Bottom side		0.120				0.12	0.12	0.12
LTE Band 66 Ant 3	Front	0.238	0.246	0.249	0.206	0.029	0.73	0.69	0.51
	Back	0.200	0.437	0.354	0.428	0.068	0.99	1.07	0.71
	Left side	0.080	0.145				0.23	0.23	0.23
	Right side		0.155	0.303	0.269	0.020	0.46	0.42	0.18
	Top side	0.410		0.227	0.191	0.031	0.64	0.60	0.44
	Bottom side		0.120						

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 1g SAR (W/kg)
		WWAN	LTE Band 5 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 30 Ant 3	Front	0.115	0.246	0.206	0.029	0.60
	Back	0.319	0.437	0.428	0.068	1.25
	Left side	0.060	0.145			0.21
	Right side		0.155	0.269	0.020	0.44
	Top side	0.399		0.191	0.031	0.62
	Bottom side		0.120			0.12
LTE Band 66 Ant 3	Front	0.238	0.246	0.206	0.029	0.72
	Back	0.200	0.437	0.428	0.068	1.13
	Left side	0.080	0.145			0.23
	Right side		0.155	0.269	0.020	0.44
	Top side	0.410		0.191	0.031	0.63
	Bottom side		0.120			0.12

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 12 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Front	0.115	0.276	0.249	0.206	0.029	0.64	0.60	0.42
	Back	0.319	0.426	0.354	0.428	0.068	1.10	1.17	0.81
	Left side	0.060	0.227				0.29	0.29	0.29
	Right side		0.309	0.303	0.269	0.020	0.61	0.58	0.33
	Top side	0.399		0.227	0.191	0.031	0.63	0.59	0.43
	Bottom side		0.125				0.13	0.13	0.13
LTE Band 66 Ant 3	Front	0.238	0.276	0.249	0.206	0.029	0.76	0.72	0.54
	Back	0.200	0.426	0.354	0.428	0.068	0.98	1.05	0.69
	Left side	0.080	0.227				0.31	0.31	0.31
	Right side		0.309	0.303	0.269	0.020	0.61	0.58	0.33
	Top side	0.410		0.227	0.191	0.031	0.64	0.60	0.44
	Bottom side		0.125						

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 1g SAR (W/kg)
		WWAN	LTE Band 12 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 30 Ant 3	Front	0.115	0.276	0.206	0.029	0.63
	Back	0.319	0.426	0.428	0.068	1.24
	Left side	0.060	0.227			0.29
	Right side		0.309	0.269	0.020	0.60
	Top side	0.399		0.191	0.031	0.62
	Bottom side		0.125			0.13
LTE Band 66 Ant 3	Front	0.238	0.276	0.206	0.029	0.75

	Back	0.200	0.426	0.428	0.068	1.12
	Left side	0.080	0.227			0.31
	Right side		0.309	0.269	0.020	0.60
	Top side	0.410		0.191	0.031	0.63
	Bottom side		0.125			0.13

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 13 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.183	0.322	0.249	0.206	0.029	0.75	0.71	0.53
	Back	0.206	0.472	0.354	0.428	0.068	1.03	1.11	0.75
	Left side	0.098	0.279				0.38	0.38	0.38
	Right side		0.347	0.303	0.269	0.020	0.65	0.62	0.37
	Top side	0.384		0.227	0.191	0.031	0.61	0.58	0.42
	Bottom side		0.165				0.17	0.17	0.17
LTE Band 66 Ant 3	Front	0.238	0.322	0.249	0.206	0.029	0.81	0.77	0.59
	Back	0.200	0.472	0.354	0.428	0.068	1.03	1.10	0.74
	Left side	0.080	0.279				0.36	0.36	0.36
	Right side		0.347	0.303	0.269	0.020	0.65	0.62	0.37
	Top side	0.410		0.227	0.191	0.031	0.64	0.60	0.44
	Bottom side		0.165						

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	LTE Band 13 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.183	0.322	0.206	0.029	0.74
	Back	0.206	0.472	0.428	0.068	1.17
	Left side	0.098	0.279			0.38
	Right side		0.347	0.269	0.020	0.64
	Top side	0.384		0.191	0.031	0.61
	Bottom side		0.165			0.17
LTE Band 66 Ant 3	Front	0.238	0.322	0.206	0.029	0.80
	Back	0.200	0.472	0.428	0.068	1.17
	Left side	0.080	0.279			0.36
	Right side		0.347	0.269	0.020	0.64
	Top side	0.410		0.191	0.031	0.63
	Bottom side		0.165			0.17

**17.3 Body-Worn Accessory Exposure Conditions**

WWAN Band	Exposure Position	1	3	4	5	1+3	1+4	1+5
		WWAN	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850 Ant 0	Front	0.429	0.258	0.175	0.017	0.69	0.60	0.45
	Back	0.545	0.321	0.416	0.031	0.87	0.96	0.58
GSM1900 Ant 3	Front	0.328	0.258	0.175	0.017	0.59	0.50	0.35
	Back	0.384	0.321	0.416	0.031	0.71	0.80	0.42
WCDMA II Ant 3	Front	0.233	0.258	0.175	0.017	0.49	0.41	0.25
	Back	0.269	0.321	0.416	0.031	0.59	0.69	0.30
WCDMA IV Ant 3	Front	0.216	0.258	0.175	0.017	0.47	0.39	0.23
	Back	0.254	0.321	0.416	0.031	0.58	0.67	0.29
WCDMA V Ant 0	Front	0.298	0.258	0.175	0.017	0.56	0.47	0.32
	Back	0.491	0.321	0.416	0.031	0.81	0.91	0.52
LTE Band 7 Ant 3	Front	0.284	0.258	0.175	0.017	0.54	0.46	0.30
	Back	0.673	0.321	0.416	0.031	0.99	1.09	0.70
LTE Band 12 Ant 0	Front	0.255	0.258	0.175	0.017	0.51	0.43	0.27
	Back	0.527	0.321	0.416	0.031	0.85	0.94	0.56
LTE Band 13 Ant 0	Front	0.316	0.258	0.175	0.017	0.57	0.49	0.33
	Back	0.740	0.321	0.416	0.031	1.06	1.16	0.77
LTE Band 25 Ant 3	Front	0.236	0.258	0.175	0.017	0.49	0.41	0.25
	Back	0.271	0.321	0.416	0.031	0.59	0.69	0.30
LTE Band 26 Ant 0	Front	0.273	0.258	0.175	0.017	0.53	0.45	0.29
	Back	0.448	0.321	0.416	0.031	0.77	0.86	0.48
LTE Band 30 Ant 3	Front	0.362	0.258	0.175	0.017	0.62	0.54	0.38
	Back	0.915	0.321	0.416	0.031	1.24	1.33	0.95
LTE Band 66 Ant 3	Front	0.225	0.258	0.175	0.017	0.48	0.40	0.24
	Back	0.279	0.321	0.416	0.031	0.60	0.70	0.31
LTE Band 71 Ant 0	Front	0.203	0.258	0.175	0.017	0.46	0.38	0.22
	Back	0.424	0.321	0.416	0.031	0.75	0.84	0.46
LTE Band 48 Ant 4	Front	0.269	0.258	0.175	0.017	0.53	0.44	0.29
	Back	0.429	0.321	0.416	0.031	0.75	0.85	0.46
FR1 n7 Ant 3	Front	0.299	0.258	0.175	0.017	0.56	0.47	0.32
	Back	0.654	0.321	0.416	0.031	0.98	1.07	0.69
FR1 n25 Ant 3	Front	0.219	0.258	0.175	0.017	0.48	0.39	0.24
	Back	0.264	0.321	0.416	0.031	0.59	0.68	0.30
FR1 n30 Ant 3	Front	0.317	0.258	0.175	0.017	0.58	0.49	0.33
	Back	0.839	0.321	0.416	0.031	1.16	1.26	0.87
FR1 n66 Ant 3	Front	0.246	0.258	0.175	0.017	0.50	0.42	0.26
	Back	0.293	0.321	0.416	0.031	0.61	0.71	0.32
FR1 n71 Ant 0	Front	0.253	0.258	0.175	0.017	0.51	0.43	0.27
	Back	0.405	0.321	0.416	0.031	0.73	0.82	0.44
FR1 n41 Ant 3	Front	0.340	0.258	0.175	0.017	0.60	0.52	0.36
	Back	0.663	0.321	0.416	0.031	0.98	1.08	0.69
FR1 n48 Ant 4	Front	0.221	0.258	0.175	0.017	0.48	0.40	0.24
	Back	0.428	0.321	0.416	0.031	0.75	0.84	0.46
FR1 n77 Ant 4	Front	0.146	0.258	0.175	0.017	0.40	0.32	0.16
	Back	0.336	0.321	0.416	0.031	0.66	0.75	0.37
FR1 n5 Ant 0	Front	0.192	0.258	0.175	0.017	0.45	0.37	0.21
	Back	0.346	0.321	0.416	0.031	0.67	0.76	0.38



WWAN Band	Exposure Position	1	4	5	1+4+5 Summed 1g SAR (W/kg)
		WWAN	WLAN5GHz Ant 5	Bluetooth Ant 5	
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
GSM850 Ant 0	Front	0.429	0.175	0.017	0.62
	Back	0.545	0.416	0.031	0.99
GSM1900 Ant 3	Front	0.328	0.175	0.017	0.52
	Back	0.384	0.416	0.031	0.83
WCDMA II Ant 3	Front	0.233	0.175	0.017	0.43
	Back	0.269	0.416	0.031	0.72
WCDMA IV Ant 3	Front	0.216	0.175	0.017	0.41
	Back	0.254	0.416	0.031	0.70
WCDMA V Ant 0	Front	0.298	0.175	0.017	0.49
	Back	0.491	0.416	0.031	0.94
LTE Band 7 Ant 3	Front	0.284	0.175	0.017	0.48
	Back	0.673	0.416	0.031	1.12
LTE Band 12 Ant 0	Front	0.255	0.175	0.017	0.45
	Back	0.527	0.416	0.031	0.97
LTE Band 13 Ant 0	Front	0.316	0.175	0.017	0.51
	Back	0.740	0.416	0.031	1.19
LTE Band 25 Ant 3	Front	0.236	0.175	0.017	0.43
	Back	0.271	0.416	0.031	0.72
LTE Band 26 Ant 0	Front	0.273	0.175	0.017	0.47
	Back	0.448	0.416	0.031	0.90
LTE Band 30 Ant 3	Front	0.362	0.175	0.017	0.55
	Back	0.915	0.416	0.031	1.36
LTE Band 66 Ant 3	Front	0.225	0.175	0.017	0.42
	Back	0.279	0.416	0.031	0.73
LTE Band 71 Ant 0	Front	0.203	0.175	0.017	0.40
	Back	0.424	0.416	0.031	0.87
LTE Band 48 Ant 4	Front	0.269	0.175	0.017	0.46
	Back	0.429	0.416	0.031	0.88
FR1 n7 Ant 3	Front	0.299	0.175	0.017	0.49
	Back	0.654	0.416	0.031	1.10
FR1 n25 Ant 3	Front	0.219	0.175	0.017	0.41
	Back	0.264	0.416	0.031	0.71
FR1 n30 Ant 3	Front	0.317	0.175	0.017	0.51
	Back	0.839	0.416	0.031	1.29
FR1 n66 Ant 3	Front	0.246	0.175	0.017	0.44
	Back	0.293	0.416	0.031	0.74
FR1 n71 Ant 0	Front	0.253	0.175	0.017	0.45
	Back	0.405	0.416	0.031	0.85
FR1 n41 Ant 3	Front	0.340	0.175	0.017	0.53
	Back	0.663	0.416	0.031	1.11
FR1 n48 Ant 4	Front	0.221	0.175	0.017	0.41
	Back	0.428	0.416	0.031	0.88
FR1 n77 Ant 4	Front	0.146	0.175	0.017	0.34
	Back	0.336	0.416	0.031	0.78
FR1 n5 Ant 0	Front	0.192	0.175	0.017	0.38
	Back	0.346	0.416	0.031	0.79

**Sensor off**

WWAN Band	Exposure Position	1	3	4	5	1+3	1+4	1+5	1+4+5
		WWAN	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Band Ant 0	Front	0.429	0.258	0.471	0.017	0.69	0.90	0.90	0.92
	Back	0.740	0.321	0.578	0.031	1.06	1.32	1.32	1.35
All Band Ant 3	Front	0.609	0.258	0.471	0.017	0.87	1.08	1.08	1.10
	Back	0.915	0.321	0.578	0.031	1.24	1.49	1.49	1.52
All Band Ant 4	Front	0.521	0.258	0.471	0.017	0.78	0.99	0.99	1.01
	Back	0.624	0.321	0.578	0.031	0.95	1.20	1.20	1.23

For END C

WWAN Band	Exposure Position	1	3	4	5	6	7	1+3+5	1+3+6	1+3+7	1+4+5	1+4+6	1+4+7
		WWAN	FR1 n25 Ant 3	FR1 n2 Ant 2	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.187	0.214	0.094	0.258	0.175	0.017	0.66	0.58	0.42			
	Back	0.418	0.257	0.231	0.321	0.416	0.031	1.00	1.09	0.71			
LTE Band 12 Ant 0	Front	0.255	0.214	0.094	0.258	0.175	0.017	0.73	0.64	0.49			
	Back	0.527	0.257	0.231	0.321	0.416	0.031	1.11	1.20	0.82			
LTE Band 13 Ant 0	Front	0.316	0.214	0.094	0.258	0.175	0.017	0.79	0.71	0.55			
	Back	0.740	0.257	0.231	0.321	0.416	0.031	1.32	1.41	1.03			
LTE Band 5 Ant 0	Front	0.260	0.214	0.094	0.258	0.175	0.017	0.73	0.65	0.49			
	Back	0.419	0.257	0.231	0.321	0.416	0.031	1.00	1.09	0.71			
LTE Band 30 Ant 2	Front	0.095	0.214	0.094	0.258	0.175	0.017	0.57	0.48	0.33			
	Back	0.334	0.257	0.231	0.321	0.416	0.031	0.91	1.01	0.62			
LTE Band 66 Ant 3	Front	0.211	0.214	0.094	0.258	0.175	0.017				0.56	0.48	0.32
	Back	0.261	0.257	0.231	0.321	0.416	0.031				0.81	0.91	0.52

WWAN Band	Exposure Position	1	3	4	6	7	1+3+6+7	1+4+6+7
		WWAN	FR1 n25 Ant 3	FR1 n2 Ant 2	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.187	0.214	0.094	0.175	0.017	0.59	
	Back	0.418	0.257	0.231	0.416	0.031	1.12	
LTE Band 12 Ant 0	Front	0.255	0.214	0.094	0.175	0.017	0.66	
	Back	0.527	0.257	0.231	0.416	0.031	1.23	
LTE Band 13 Ant 0	Front	0.316	0.214	0.094	0.175	0.017	0.72	
	Back	0.740	0.257	0.231	0.416	0.031	1.44	
LTE Band 5 Ant 0	Front	0.260	0.214	0.094	0.175	0.017	0.67	
	Back	0.419	0.257	0.231	0.416	0.031	1.12	
LTE Band 30 Ant 2	Front	0.095	0.214	0.094	0.175	0.017	0.50	
	Back	0.334	0.257	0.231	0.416	0.031	1.04	
LTE Band 66 Ant 3	Front	0.211	0.214	0.094	0.175	0.017		0.50
	Back	0.261	0.257	0.231	0.416	0.031		0.94

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n5 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.187	0.192	0.258	0.175	0.017	0.64	0.55	0.40
	Back	0.418	0.346	0.321	0.416	0.031	1.09	1.18	0.80



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LTE Band 12 Ant 0	Front	0.255	0.192	0.258	0.175	0.017	0.71	0.62	0.46
	Back	0.527	0.346	0.321	0.416	0.031	1.19	1.29	0.90
LTE Band 13 Ant 0	Front	0.316	0.192	0.258	0.175	0.017	0.77	0.68	0.53
	Back	0.740	0.346	0.321	0.416	0.031	1.41	1.50	1.12
LTE Band 5 Ant 0	Front	0.260	0.192	0.258	0.175	0.017	0.71	0.63	0.47
	Back	0.419	0.346	0.321	0.416	0.031	1.09	1.18	0.80
LTE Band 30 Ant 2	Front	0.095	0.192	0.258	0.175	0.017	0.55	0.46	0.30
	Back	0.334	0.346	0.321	0.416	0.031	1.00	1.10	0.71
LTE Band 66 Ant 3	Front	0.211	0.192	0.258	0.175	0.017	0.66	0.58	0.42
	Back	0.261	0.346	0.321	0.416	0.031	0.93	1.02	0.64

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n5 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.223	0.192	0.175	0.017	0.61
	Back	0.250	0.346	0.416	0.031	1.04
LTE Band 30 Ant 3	Front	0.174	0.192	0.175	0.017	0.56
	Back	0.435	0.346	0.416	0.031	1.23
LTE Band 66 Ant 3	Front	0.211	0.192	0.175	0.017	0.60
	Back	0.261	0.346	0.416	0.031	1.05

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n25 Ant 3	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 66 Ant 2	Front	0.063	0.214	0.258	0.175	0.017	0.54	0.45	0.29
	Back	0.122	0.257	0.321	0.416	0.031	0.70	0.80	0.41

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n25 Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 66 Ant 2	Front	0.063	0.214	0.175	0.017	0.47
	Back	0.122	0.257	0.416	0.031	0.83

WWAN Band	Exposure Position	1	3	4	5	6	7	1+3+5	1+3+6	1+3+7	1+4+5	1+4+6	1+4+7
		WWAN	FR1 n66 Ant 3	FR1 n66 Ant 2	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.187	0.245	0.068	0.258	0.175	0.017	0.69	0.61	0.45			
	Back	0.418	0.292	0.140	0.321	0.416	0.031	1.03	1.13	0.74			
LTE Band 12 Ant 0	Front	0.255	0.245	0.068	0.258	0.175	0.017	0.76	0.68	0.52			
	Back	0.527	0.292	0.140	0.321	0.416	0.031	1.14	1.24	0.85			
LTE Band 13 Ant 0	Front	0.316	0.245	0.068	0.258	0.175	0.017	0.82	0.74	0.58			
	Back	0.740	0.292	0.140	0.321	0.416	0.031	1.35	1.45	1.06			
LTE Band 5 Ant 0	Front	0.260	0.245	0.068	0.258	0.175	0.017	0.76	0.68	0.52			
	Back	0.419	0.292	0.140	0.321	0.416	0.031	1.03	1.13	0.74			
LTE Band 30 Ant 3	Front	0.174	0.245	0.068	0.258	0.175	0.017				0.50	0.42	0.26
	Back	0.435	0.292	0.140	0.321	0.416	0.031				0.90	0.99	0.61
LTE Band 66 Ant	Front	0.063	0.245	0.068	0.258	0.175	0.017	0.57	0.48	0.33			
	Back	0.122	0.292	0.140	0.321	0.416	0.031	0.74	0.83	0.45			



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WWAN Band	Exposure Position	1	3	4	6	7	1+3+6+7	1+4+6+7
		WWAN	FR1 n66 Ant 3	FR1 n66 Ant 2	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.187	0.245	0.068	0.175	0.017	0.62	
	Back	0.418	0.292	0.140	0.416	0.031	1.16	
LTE Band 12 Ant 0	Front	0.255	0.245	0.068	0.175	0.017	0.69	
	Back	0.527	0.292	0.140	0.416	0.031	1.27	
LTE Band 13 Ant 0	Front	0.316	0.245	0.068	0.175	0.017	0.75	
	Back	0.740	0.292	0.140	0.416	0.031	1.48	
LTE Band 5 Ant 0	Front	0.260	0.245	0.068	0.175	0.017	0.70	
	Back	0.419	0.292	0.140	0.416	0.031	1.16	
LTE Band 30 Ant 3	Front	0.174	0.245	0.068	0.175	0.017		0.43
	Back	0.435	0.292	0.140	0.416	0.031		1.02
LTE Band 66 Ant 2	Front	0.063	0.245	0.068	0.175	0.017	0.50	
	Back	0.122	0.292	0.140	0.416	0.031	0.86	

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n71 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.223	0.253	0.258	0.175	0.017	0.73	0.65	0.49
	Back	0.250	0.405	0.321	0.416	0.031	0.98	1.07	0.69
LTE Band 66 Ant 3	Front	0.211	0.253	0.258	0.175	0.017	0.72	0.64	0.48
	Back	0.261	0.405	0.321	0.416	0.031	0.99	1.08	0.70

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n71 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.223	0.253	0.175	0.017	0.67
	Back	0.250	0.405	0.416	0.031	1.10
LTE Band 66 Ant 3	Front	0.211	0.253	0.175	0.017	0.66
	Back	0.261	0.405	0.416	0.031	1.11

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n41 Ant 3	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.187	0.167	0.258	0.175	0.017	0.61	0.53	0.37
	Back	0.418	0.319	0.321	0.416	0.031	1.06	1.15	0.77
LTE Band 66 Ant 2	Front	0.063	0.167	0.258	0.175	0.017	0.49	0.41	0.25
	Back	0.122	0.319	0.321	0.416	0.031	0.76	0.86	0.47

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n41 Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.187	0.167	0.175	0.017	0.55
	Back	0.418	0.319	0.416	0.031	1.18
LTE Band 66 Ant 2	Front	0.063	0.167	0.175	0.017	0.42
	Back	0.122	0.319	0.416	0.031	0.89



WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n77 Ant 4	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.187	0.143	0.258	0.175	0.017	0.59	0.51	0.35
	Back	0.418	0.357	0.321	0.416	0.031	1.10	1.19	0.81
LTE Band 12 Ant 0	Front	0.255	0.143	0.258	0.175	0.017	0.66	0.57	0.42
	Back	0.527	0.357	0.321	0.416	0.031	1.21	1.30	0.92
LTE Band 13 Ant 0	Front	0.316	0.143	0.258	0.175	0.017	0.72	0.63	0.48
	Back	0.740	0.357	0.321	0.416	0.031	1.42	1.51	1.13
LTE Band 5 Ant 0	Front	0.260	0.143	0.258	0.175	0.017	0.66	0.58	0.42
	Back	0.419	0.357	0.321	0.416	0.031	1.10	1.19	0.81
LTE Band 30 Ant 2	Front	0.095	0.143	0.258	0.175	0.017	0.50	0.41	0.26
	Back	0.334	0.357	0.321	0.416	0.031	1.01	1.11	0.72
LTE Band 66 Ant 2	Front	0.063	0.143	0.258	0.175	0.017	0.46	0.38	0.22
	Back	0.122	0.357	0.321	0.416	0.031	0.80	0.90	0.51

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n77 Ant 4	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.187	0.143	0.175	0.017	0.52
	Back	0.418	0.357	0.416	0.031	1.22
LTE Band 12 Ant 0	Front	0.255	0.143	0.175	0.017	0.59
	Back	0.527	0.357	0.416	0.031	1.33
LTE Band 13 Ant 0	Front	0.316	0.143	0.175	0.017	0.65
	Back	0.740	0.357	0.416	0.031	1.54
LTE Band 5 Ant 0	Front	0.260	0.143	0.175	0.017	0.60
	Back	0.419	0.357	0.416	0.031	1.22
LTE Band 30 Ant 2	Front	0.095	0.143	0.175	0.017	0.43
	Back	0.334	0.357	0.416	0.031	1.14
LTE Band 66 Ant 2	Front	0.063	0.143	0.175	0.017	0.40
	Back	0.122	0.357	0.416	0.031	0.93

WWAN Band	Exposure Position	1	3	4	5	6	7	1+3+5	1+3+6	1+3+7	1+4+5	1+4+6	1+4+7
		WWAN	LTE Band 2 Ant 3	LTE Band 2 Ant 2	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Front	0.255	0.223	0.187	0.258	0.175	0.017	0.74	0.65	0.50			
	Back	0.527	0.250	0.418	0.321	0.416	0.031	1.10	1.19	0.81			
LTE Band 5 Ant 0	Front	0.260	0.223	0.187	0.258	0.175	0.017	0.74	0.66	0.50			
	Back	0.419	0.250	0.418	0.321	0.416	0.031	0.99	1.09	0.70			
LTE Band 66 Ant 3	Front	0.211	0.223	0.187	0.258	0.175	0.017				0.66	0.57	0.42
	Back	0.261	0.250	0.418	0.321	0.416	0.031				1.00	1.10	0.71

WWAN Band	Exposure Position	1	3	4	6	7	1+3+6+7	1+4+6+7
		WWAN	LTE Band 2 Ant 3	LTE Band 2 Ant 2	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Front	0.255	0.223	0.187	0.175	0.017	0.67	
	Back	0.527	0.250	0.418	0.416	0.031	1.22	
LTE Band 5 Ant 0	Front	0.260	0.223	0.187	0.175	0.017	0.68	
	Back	0.419	0.250	0.418	0.416	0.031	1.12	
LTE Band 66 Ant 3	Front	0.211	0.223	0.187	0.175	0.017		0.59
	Back	0.261	0.250	0.418	0.416	0.031		1.13

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 66 Ant 3	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Front	0.255	0.211	0.258	0.175	0.017	0.72	0.64	0.48
	Back	0.527	0.261	0.321	0.416	0.031	1.11	1.20	0.82
LTE Band 13 Ant 0	Front	0.316	0.211	0.258	0.175	0.017	0.79	0.70	0.54
	Back	0.740	0.261	0.321	0.416	0.031	1.32	1.42	1.03
LTE Band 5 Ant 0	Front	0.260	0.211	0.258	0.175	0.017	0.73	0.65	0.49
	Back	0.419	0.261	0.321	0.416	0.031	1.00	1.10	0.71

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	LTE Band 66 Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Front	0.255	0.211	0.175	0.017	0.66
	Back	0.527	0.261	0.416	0.031	1.24
LTE Band 13 Ant 0	Front	0.316	0.211	0.175	0.017	0.72
	Back	0.740	0.261	0.416	0.031	1.45
LTE Band 5 Ant 0	Front	0.260	0.211	0.175	0.017	0.66
	Back	0.419	0.261	0.416	0.031	1.13

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 5 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Front	0.174	0.260	0.258	0.175	0.017	0.69	0.61	0.45
	Back	0.435	0.419	0.321	0.416	0.031	1.18	1.27	0.89
LTE Band 66 Ant 3	Front	0.211	0.260	0.258	0.175	0.017	0.73	0.65	0.49
	Back	0.261	0.419	0.321	0.416	0.031	1.00	1.10	0.71

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	LTE Band 5 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Front	0.174	0.260	0.175	0.017	0.63
	Back	0.435	0.419	0.416	0.031	1.30
LTE Band 66 Ant 3	Front	0.211	0.260	0.175	0.017	0.66
	Back	0.261	0.419	0.416	0.031	1.13

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 12 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Front	0.174	0.255	0.258	0.175	0.017	0.69	0.60	0.45
	Back	0.435	0.527	0.321	0.416	0.031	1.28	1.38	0.99
LTE Band 66 Ant 3	Front	0.211	0.255	0.258	0.175	0.017	0.72	0.64	0.48
	Back	0.261	0.527	0.321	0.416	0.031	1.11	1.20	0.82

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	LTE Band 12 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Front	0.174	0.255	0.175	0.017	0.62
	Back	0.435	0.527	0.416	0.031	1.41
LTE Band 66 Ant 3	Front	0.211	0.255	0.175	0.017	0.66
	Back	0.261	0.527	0.416	0.031	1.24

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 13 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.223	0.316	0.258	0.175	0.017	0.80	0.71	0.56
	Back	0.250	0.740	0.321	0.416	0.031	1.31	1.41	1.02
LTE Band 66 Ant 3	Front	0.211	0.316	0.258	0.175	0.017	0.79	0.70	0.54
	Back	0.261	0.740	0.321	0.416	0.031	1.32	1.42	1.03

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	LTE Band 13 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.223	0.316	0.175	0.017	0.73
	Back	0.250	0.740	0.416	0.031	1.44
LTE Band 66 Ant 3	Front	0.211	0.316	0.175	0.017	0.72
	Back	0.261	0.740	0.416	0.031	1.45

**Sensor off**

WWAN Band	Exposure Position	1	3	4	5	6	7	1+3+5	1+3+6	1+3+7	1+4+5	1+4+6	1+4+7
		WWAN	FR1 n25 Ant 3	FR1 n2 Ant 2	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.304	0.461	0.369	0.161	0.471		0.93	1.24	0.77			
	Back	0.335	0.381	0.428	0.130	0.578		0.85	1.29	0.72			
LTE Band 12 Ant 0	Front	0.237	0.461	0.369	0.161	0.471		0.86	1.17	0.70			
	Back	0.331	0.381	0.428	0.130	0.578		0.84	1.29	0.71			
LTE Band 13 Ant 0	Front	0.268	0.461	0.369	0.161	0.471		0.89	1.20	0.73			
	Back	0.358	0.381	0.428	0.130	0.578		0.87	1.32	0.74			
LTE Band 5 Ant 0	Front	0.243	0.461	0.369	0.161	0.471		0.87	1.18	0.70			
	Back	0.279	0.381	0.428	0.130	0.578		0.79	1.24	0.66			
LTE Band 30 Ant 2	Front	0.184	0.461	0.369	0.161	0.471		0.81	1.12	0.65			
	Back	0.360	0.381	0.428	0.130	0.578		0.87	1.32	0.74			
LTE Band 66 Ant 3	Front	0.508	0.461	0.369	0.161	0.471					1.04	1.35	0.88
	Back	0.284	0.381	0.428	0.130	0.578					0.84	1.29	0.71

WWAN Band	Exposure Position	1	3	4	6	7	1+3+6+7	1+4+6+7
		WWAN	FR1 n25 Ant 3	FR1 n2 Ant 2	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.304	0.461	0.369	0.471		1.24	
	Back	0.335	0.381	0.428	0.578		1.29	
LTE Band 12 Ant 0	Front	0.237	0.461	0.369	0.471		1.17	
	Back	0.331	0.381	0.428	0.578		1.29	
LTE Band 13 Ant 0	Front	0.268	0.461	0.369	0.471		1.20	
	Back	0.358	0.381	0.428	0.578		1.32	
LTE Band 5 Ant 0	Front	0.243	0.461	0.369	0.471		1.18	
	Back	0.279	0.381	0.428	0.578		1.24	
LTE Band 30 Ant 2	Front	0.184	0.461	0.369	0.471		1.12	
	Back	0.360	0.381	0.428	0.578		1.32	
LTE Band 66 Ant 3	Front	0.508	0.461	0.369	0.471			1.35
	Back	0.284	0.381	0.428	0.578			1.29

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n5 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.304	0.095	0.161	0.471		0.56	0.87	0.40
	Back	0.335	0.118	0.130	0.578		0.58	1.03	0.45
LTE Band 12 Ant 0	Front	0.237	0.095	0.161	0.471		0.49	0.80	0.33
	Back	0.331	0.118	0.130	0.578		0.58	1.03	0.45
LTE Band 13 Ant 0	Front	0.268	0.095	0.161	0.471		0.52	0.83	0.36
	Back	0.358	0.118	0.130	0.578		0.61	1.05	0.48
LTE Band 5 Ant 0	Front	0.243	0.095	0.161	0.471		0.50	0.81	0.34
	Back	0.279	0.118	0.130	0.578		0.53	0.98	0.40
LTE Band 30 Ant 2	Front	0.184	0.095	0.161	0.471		0.44	0.75	0.28
	Back	0.360	0.118	0.130	0.578		0.61	1.06	0.48
LTE Band 66 Ant 3	Front	0.508	0.095	0.161	0.471		0.76	1.07	0.60
	Back	0.284	0.118	0.130	0.578		0.53	0.98	0.40



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WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n5 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.355	0.095	0.471		0.92
	Back	0.283	0.118	0.578		0.98
LTE Band 30 Ant 3	Front	0.579	0.095	0.471		1.15
	Back	0.586	0.118	0.578		1.28
LTE Band 66 Ant 3	Front	0.508	0.095	0.471		1.07
	Back	0.284	0.118	0.578		0.98

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n25 Ant 3	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 66 Ant 2	Front	0.051	0.461	0.161	0.471		0.67	0.98	0.51
	Back	0.071	0.381	0.130	0.578		0.58	1.03	0.45

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n25 Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 66 Ant 2	Front	0.051	0.461	0.471		0.98
	Back	0.071	0.381	0.578		1.03

WWAN Band	Exposure Position	1	3	4	5	6	7	1+3+5	1+3+6	1+3+7	1+4+5	1+4+6	1+4+7
		WWAN	FR1 n66 Ant 3	FR1 n66 Ant 2	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.304	0.347	0.050	0.161	0.471		0.81	1.12	0.65			
	Back	0.335	0.286	0.071	0.130	0.578		0.75	1.20	0.62			
LTE Band 12 Ant 0	Front	0.237	0.347	0.050	0.161	0.471		0.75	1.06	0.58			
	Back	0.331	0.286	0.071	0.130	0.578		0.75	1.20	0.62			
LTE Band 13 Ant 0	Front	0.268	0.347	0.050	0.161	0.471		0.78	1.09	0.62			
	Back	0.358	0.286	0.071	0.130	0.578		0.77	1.22	0.64			
LTE Band 5 Ant 0	Front	0.243	0.347	0.050	0.161	0.471		0.75	1.06	0.59			
	Back	0.279	0.286	0.071	0.130	0.578		0.70	1.14	0.57			
LTE Band 30 Ant 3	Front	0.579	0.347	0.050	0.161	0.471					0.79	1.10	0.63
	Back	0.586	0.286	0.071	0.130	0.578					0.79	1.24	0.66
LTE Band 66 Ant 2	Front	0.051	0.347	0.050	0.161	0.471		0.56	0.87	0.40			
	Back	0.071	0.286	0.071	0.130	0.578		0.49	0.94	0.36			

WWAN Band	Exposure Position	1	3	4	6	7	1+3+6+7	1+4+6+7
		WWAN	FR1 n66 Ant 3	FR1 n66 Ant 2	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.304	0.347	0.050	0.471		1.12	
	Back	0.335	0.286	0.071	0.578		1.20	
LTE Band 12 Ant 0	Front	0.237	0.347	0.050	0.471		1.06	
	Back	0.331	0.286	0.071	0.578		1.20	
LTE Band 13 Ant 0	Front	0.268	0.347	0.050	0.471		1.09	
	Back	0.358	0.286	0.071	0.578		1.22	



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LTE Band 5 Ant 0	Front	0.243	0.347	0.050	0.471		1.06	
	Back	0.279	0.286	0.071	0.578		1.14	
LTE Band 30 Ant 3	Front	0.579	0.347	0.050	0.471			1.10
	Back	0.586	0.286	0.071	0.578			1.24
LTE Band 66 Ant 2	Front	0.051	0.347	0.050	0.471		0.87	
	Back	0.071	0.286	0.071	0.578		0.94	

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n71 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.355	0.087	0.161	0.471		0.60	0.91	0.44
	Back	0.283	0.132	0.130	0.578		0.55	0.99	0.42
LTE Band 66 Ant 3	Front	0.508	0.087	0.161	0.471		0.76	1.07	0.60
	Back	0.284	0.132	0.130	0.578		0.55	0.99	0.42

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n71 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.355	0.087	0.471		0.91
	Back	0.283	0.132	0.578		0.99
LTE Band 66 Ant 3	Front	0.508	0.087	0.471		1.07
	Back	0.284	0.132	0.578		0.99

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n41 Ant 3	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.304	0.544	0.161	0.471		1.01	1.32	0.85
	Back	0.335	0.654	0.130	0.578		1.12	1.57	0.99
LTE Band 66 Ant 2	Front	0.051	0.544	0.161	0.471		0.76	1.07	0.60
	Back	0.071	0.654	0.130	0.578		0.86	1.30	0.73

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n41 Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.304	0.544	0.471		1.32
	Back	0.335	0.654	0.578		1.57
LTE Band 66 Ant 2	Front	0.051	0.544	0.471		1.07
	Back	0.071	0.654	0.578		1.30

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	FR1 n77 Ant 4	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.304	0.521	0.161	0.471		0.99	1.30	0.83
	Back	0.335	0.624	0.130	0.578		1.09	1.54	0.96
LTE Band 12 Ant 0	Front	0.237	0.521	0.161	0.471		0.92	1.23	0.76
	Back	0.331	0.624	0.130	0.578		1.09	1.53	0.96
LTE Band 13 Ant 0	Front	0.268	0.521	0.161	0.471		0.95	1.26	0.79
	Back	0.358	0.624	0.130	0.578		1.11	1.56	0.98
LTE Band 5 Ant 0	Front	0.243	0.521	0.161	0.471		0.93	1.24	0.76
	Back	0.279	0.624	0.130	0.578		1.03	1.48	0.90
LTE Band 30 Ant 2	Front	0.184	0.521	0.161	0.471		0.87	1.18	0.71
	Back	0.360	0.624	0.130	0.578		1.11	1.56	0.98



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LTE Band 66 Ant 2	Front	0.051	0.521	0.161	0.471		0.73	1.04	0.57
	Back	0.071	0.624	0.130	0.578		0.83	1.27	0.70

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	FR1 n77 Ant 4	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.304	0.521	0.471		1.30
	Back	0.335	0.624	0.578		1.54
LTE Band 12 Ant 0	Front	0.237	0.521	0.471		1.23
	Back	0.331	0.624	0.578		1.53
LTE Band 13 Ant 0	Front	0.268	0.521	0.471		1.26
	Back	0.358	0.624	0.578		1.56
LTE Band 5 Ant 0	Front	0.243	0.521	0.471		1.24
	Back	0.279	0.624	0.578		1.48
LTE Band 30 Ant 2	Front	0.184	0.521	0.471		1.18
	Back	0.360	0.624	0.578		1.56
LTE Band 66 Ant 2	Front	0.051	0.521	0.471		1.04
	Back	0.071	0.624	0.578		1.27

WWAN Band	Exposure Position	1	3	4	5	6	7	1+3+5	1+3+6	1+3+7	1+4+5	1+4+6	1+4+7
		WWAN	LTE Band 2 Ant 3	LTE Band 2 Ant 2	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Front	0.237	0.355	0.304	0.161	0.471		0.75	1.06	0.59			
	Back	0.331	0.283	0.335	0.130	0.578		0.74	1.19	0.61			
LTE Band 5 Ant 0	Front	0.243	0.355	0.304	0.161	0.471		0.76	1.07	0.60			
	Back	0.279	0.283	0.335	0.130	0.578		0.69	1.14	0.56			
LTE Band 66 Ant 3	Front	0.508	0.355	0.304	0.161	0.471					0.97	1.28	0.81
	Back	0.284	0.283	0.335	0.130	0.578					0.75	1.20	0.62

WWAN Band	Exposure Position	1	3	4	6	7	1+3+6+7	1+4+6+7
		WWAN	LTE Band 2 Ant 3	LTE Band 2 Ant 2	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Front	0.237	0.355	0.304	0.471		1.06	
	Back	0.331	0.283	0.335	0.578		1.19	
LTE Band 5 Ant 0	Front	0.243	0.355	0.304	0.471		1.07	
	Back	0.279	0.283	0.335	0.578		1.14	
LTE Band 66 Ant 3	Front	0.508	0.355	0.304	0.471			1.28
	Back	0.284	0.283	0.335	0.578			1.20

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 66 Ant 3	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Front	0.237	0.508	0.161	0.471		0.91	1.22	0.75
	Back	0.331	0.284	0.130	0.578		0.75	1.19	0.62
LTE Band 13 Ant 0	Front	0.268	0.508	0.161	0.471		0.94	1.25	0.78
	Back	0.358	0.284	0.130	0.578		0.77	1.22	0.64
LTE Band 5 Ant 0	Front	0.243	0.508	0.161	0.471		0.91	1.22	0.75
	Back	0.279	0.284	0.130	0.578		0.69	1.14	0.56



WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	LTE Band 66 Ant 3	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 12 Ant 0	Front	0.237	0.508	0.471		1.22
	Back	0.331	0.284	0.578		1.19
LTE Band 13 Ant 0	Front	0.268	0.508	0.471		1.25
	Back	0.358	0.284	0.578		1.22
LTE Band 5 Ant 0	Front	0.243	0.508	0.471		1.22
	Back	0.279	0.284	0.578		1.14

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 5 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Front	0.579	0.243	0.161	0.471		0.98	1.29	0.82
	Back	0.586	0.279	0.130	0.578		1.00	1.44	0.87
LTE Band 66 Ant 3	Front	0.508	0.243	0.161	0.471		0.91	1.22	0.75
	Back	0.284	0.279	0.130	0.578		0.69	1.14	0.56

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	LTE Band 5 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Front	0.579	0.243	0.471		1.29
	Back	0.586	0.279	0.578		1.44
LTE Band 66 Ant 3	Front	0.508	0.243	0.471		1.22
	Back	0.284	0.279	0.578		1.14

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 12 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Front	0.579	0.237	0.161	0.471		0.98	1.29	0.82
	Back	0.586	0.331	0.130	0.578		1.05	1.50	0.92
LTE Band 66 Ant 3	Front	0.508	0.237	0.161	0.471		0.91	1.22	0.75
	Back	0.284	0.331	0.130	0.578		0.75	1.19	0.62

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	LTE Band 12 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 30 Ant 3	Front	0.579	0.237	0.471		1.29
	Back	0.586	0.331	0.578		1.50
LTE Band 66 Ant 3	Front	0.508	0.237	0.471		1.22
	Back	0.284	0.331	0.578		1.19

WWAN Band	Exposure Position	1	3	5	6	7	1+3+5	1+3+6	1+3+7
		WWAN	LTE Band 13 Ant 0	WLAN2.4GHz Ant 5	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.355	0.268	0.161	0.471		0.78	1.09	0.62
	Back	0.283	0.358	0.130	0.578		0.77	1.22	0.64
LTE Band 66	Front	0.508	0.268	0.161	0.471		0.94	1.25	0.78



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Ant 3	Back	0.284	0.358	0.130	0.578		0.77	1.22	0.64
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WWAN Band	Exposure Position	1	3	6	7	1+3+6+7
		WWAN	LTE Band 13 Ant 0	WLAN5GHz Ant 5	Bluetooth Ant 5	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 3	Front	0.355	0.268	0.471		1.09
	Back	0.283	0.358	0.578		1.22
LTE Band 66 Ant 3	Front	0.508	0.268	0.471		1.25
	Back	0.284	0.358	0.578		1.22

**17.4 Product specific 10g SAR Exposure Conditions****Remark:**

1. For WLAN2.4GHz/ Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

WWAN Band	Exposure Position	1	4	5	1+4+5 Summed 10g SAR (W/kg)
		WWAN 10g SAR (W/kg)	WLAN5GHz Ant 5 10g SAR (W/kg)	NFC 10g SAR (W/kg)	
GSM850 Ant 0	Front		1.111		1.11
	Back		0.926	0.012	0.94
	Left side				0.00
	Right side		0.660		0.66
	Top side		1.143		1.14
	Bottom side				0.00
GSM1900 Ant 3	Front	1.569	1.111		2.68
	Back	1.350	0.926	0.012	2.29
	Left side				0.00
	Right side		0.660		0.66
	Top side	1.982	1.143		3.13
	Bottom side				0.00
WCDMA II Ant 3	Front	1.046	1.111		2.16
	Back	1.347	0.926	0.012	2.29
	Left side				0.00
	Right side		0.660		0.66
	Top side	2.211	1.143		3.35
	Bottom side				0.00
WCDMA IV Ant 3	Front	1.408	1.111		2.52
	Back	1.740	0.926	0.012	2.68
	Left side				0.00
	Right side		0.660		0.66
	Top side	2.032	1.143		3.18
	Bottom side				0.00
WCDMA V Ant 0	Front		1.111		1.11
	Back		0.926	0.012	0.94
	Left side				0.00
	Right side		0.660		0.66
	Top side		1.143		1.14
	Bottom side				0.00
LTE Band 7 Ant 3	Front		1.111		1.11
	Back	2.369	0.926	0.012	3.31
	Left side	1.521			1.52
	Right side		0.660		0.66
	Top side	1.153	1.143		2.30
	Bottom side				0.00
LTE Band 12 Ant 0	Front		1.111		1.11
	Back		0.926	0.012	0.94
	Left side				0.00
	Right side		0.660		0.66
	Top side		1.143		1.14
	Bottom side				0.00
LTE Band 13 Ant 0	Front		1.111		1.11
	Back		0.926	0.012	0.94
	Left side				0.00
	Right side		0.660		0.66
	Top side		1.143		1.14



	Bottom side				0.00
LTE Band 25 Ant 3	Front	1.375	1.111		2.49
	Back	1.177	0.926	0.012	2.12
	Left side				0.00
	Right side		0.660		0.66
	Top side	2.416	1.143		3.56
	Bottom side				0.00
LTE Band 26 Ant 0	Front		1.111		1.11
	Back		0.926	0.012	0.94
	Left side				0.00
	Right side		0.660		0.66
	Top side		1.143		1.14
	Bottom side				0.00
LTE Band 30 Ant 3	Front	1.753	1.111		2.86
	Back	2.389	0.926	0.012	3.33
	Left side				0.00
	Right side		0.660		0.66
	Top side	2.211	1.143		3.35
	Bottom side				0.00
LTE Band 66 Ant 3	Front	1.322	1.111		2.43
	Back	1.639	0.926	0.012	2.58
	Left side				0.00
	Right side		0.660		0.66
	Top side	2.329	1.143		3.47
	Bottom side				0.00
LTE Band 71 Ant 0	Front		1.111		1.11
	Back		0.926	0.012	0.94
	Left side				0.00
	Right side		0.660		0.66
	Top side		1.143		1.14
	Bottom side				0.00
LTE Band 48 Ant 4	Front		1.111		1.11
	Back	1.984	0.926	0.012	2.92
	Left side				0.00
	Right side		0.660		0.66
	Top side	2.150	1.143		3.29
	Bottom side				0.00
FR1 n7 Ant 3	Front		1.111		1.11
	Back	2.431	0.926	0.012	3.37
	Left side				0.00
	Right side		0.660		0.66
	Top side		1.143		1.14
	Bottom side				0.00
FR1 n25 Ant 3	Front	1.484	1.111		2.60
	Back	1.237	0.926	0.012	2.18
	Left side				0.00
	Right side		0.660		0.66
	Top side	2.072	1.143		3.22
	Bottom side				0.00
FR1 n30 Ant 3	Front	1.788	1.111		2.90
	Back	2.084	0.926	0.012	3.02
	Left side				0.00
	Right side		0.660		0.66
	Top side	1.951	1.143		3.09
	Bottom side				0.00
FR1 n66 Ant 3	Front		1.111		1.11



	Back		0.926	0.012	0.94
	Left side				0.00
	Right side		0.660		0.66
	Top side	2.484	1.143		3.63
	Bottom side				0.00
FR1 n71 Ant 0	Front		1.111		1.11
	Back		0.926	0.012	0.94
	Left side				0.00
	Right side		0.660		0.66
	Top side		1.143		1.14
	Bottom side				0.00
FR1 n41 Ant 3	Front	1.505	1.111		2.62
	Back	2.775	0.926	0.012	3.71
	Left side	1.822			1.82
	Right side		0.660		0.66
	Top side	1.238	1.143		2.38
	Bottom side				0.00
FR1 n48 Ant 4	Front		1.111		1.11
	Back	1.907	0.926	0.012	2.85
	Left side				0.00
	Right side		0.660		0.66
	Top side	2.585	1.143		3.73
	Bottom side				0.00
FR1 n77 Ant 4	Front	1.303	1.111		2.41
	Back	1.490	0.926	0.012	2.43
	Left side				0.00
	Right side		0.660		0.66
	Top side	2.242	1.143		3.39
	Bottom side				0.00
FR1 n5 Ant 0	Front		1.111		1.11
	Back		0.926	0.012	0.94
	Left side				0.00
	Right side		0.660		0.66
	Top side		1.143		1.14
	Bottom side				0.00

For ENDC

WWAN Band	Exposure Position	1	3	4	6	7	1+3+6+7	1+4+6+7
		WWAN 10g SAR (W/kg)	FR1 n25 Ant 3 10g SAR (W/kg)	FR1 n2 Ant 2 10g SAR (W/kg)	WLAN5GHz Ant 5 10g SAR (W/kg)	NFC 10g SAR (W/kg)	Summed 10g SAR (W/kg)	Summed 10g SAR (W/kg)
LTE Band 2 Ant 2	Front	0.258	0.715	0.501	1.111		2.08	
	Back	0.997	0.603	1.096	0.926	0.012	2.54	
	Left side	1.148		1.184			1.15	
	Right side				0.660		0.66	
	Top side		0.969		1.143		2.11	
LTE Band 30 Ant 2	Bottom side						0.00	
	Front		0.715	0.501	1.111		1.83	
	Back	1.028	0.603	1.096	0.926	0.012	2.57	
	Left side	0.758		1.184			0.76	
	Right side				0.660		0.66	
LTE Band 66 Ant 3	Top side		0.969		1.143		2.11	
	Bottom side						0.00	
	Front	0.617	0.715	0.501	1.111			2.23
	Back	0.762	0.603	1.096	0.926	0.012		2.80
	Left side			1.184				1.18



	Right side				0.660		0.66
	Top side	1.048	0.969		1.143		2.19
	Bottom side						0.00

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 10g SAR (W/kg)
		WWAN	FR1 n66 Ant 3	WLAN5GHz Ant 5	NFC	
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
LTE Band 2 Ant 2	Front	0.258		1.111		1.37
	Back	0.997		0.926	0.012	1.94
	Left side	1.148				1.15
	Right side			0.660		0.66
	Top side		1.263	1.143		2.41
	Bottom side					0.00

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 10g SAR (W/kg)
		WWAN	FR1 n41 Ant 3	WLAN5GHz Ant 5	NFC	
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
LTE Band 2 Ant 2	Front	0.258	0.604	1.111		1.97
	Back	0.997	1.458	0.926	0.012	3.39
	Left side	1.148	0.837			1.99
	Right side			0.660		0.66
	Top side		0.495	1.143		1.64
	Bottom side					0.00

WWAN Band	Exposure Position	1	3	6	7	1+3+6+7 Summed 10g SAR (W/kg)
		WWAN	FR1 n77 Ant 4	WLAN5GHz Ant 5	NFC	
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
LTE Band 2 Ant 2	Front	0.258	0.650	1.111		2.02
	Back	0.997	0.730	0.926	0.012	2.67
	Left side	1.148				1.15
	Right side			0.660		0.66
	Top side		1.145	1.143		2.29
	Bottom side					0.00
LTE Band 30 Ant 2	Front		0.650	1.111		1.76
	Back	1.028	0.730	0.926	0.012	2.70
	Left side	0.758				0.76
	Right side			0.660		0.66
	Top side		1.145	1.143		2.29
	Bottom side					0.00

WWAN Band	Exposure Position	1	3	4	6	7	1+4+6+7 Summed 10g SAR (W/kg)
		WWAN	LTE Band 2 Ant 3	LTE Band 2 Ant 2	WLAN5GHz Ant 5	NFC	
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
LTE Band 66 Ant 3	Front	0.617	0.655	0.258	1.111		1.99
	Back	0.762	0.565	0.997	0.926	0.012	2.70
	Left side			1.148			1.15
	Right side				0.660		0.66
	Top side	1.048	1.020		1.143		2.19
	Bottom side						0.00

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18. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be $\leq 30\%$, for a confidence interval of $k = 2$. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.

The component of uncertainty may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainty by the statistical analysis of a series of observations is termed a Type A evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture's specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

Uncertainty Distributions	Normal	Rectangular	Triangular	U-Shape
Multi-plying Factor ^(a)	$1/k^{(b)}$	$1/\sqrt{3}$	$1/\sqrt{6}$	$1/\sqrt{2}$

(a) standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity

(b) k is the coverage factor

Standard Uncertainty for Assumed Distribution

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual "root-sum-squares" (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is shown in the following tables.

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Uncertainty Budget According to IEC/IEEE 62209-1528 (Frequency band: 4 MHz - 10 GHz range)							
Error Description	Uncert. Value (±%)	Prob. Dist.	Div.	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)
Measurement System errors							
Probe calibration	18.6	N	2	1	1	9.3	9.3
Probe calibration drift	1.7	R	1.732	1	1	1.0	1.0
Probe linearity and detection Limit	4.7	R	1.732	1	1	2.7	2.7
Broadband signal	2.8	R	1.732	1	1	1.6	1.6
Probe isotropy	7.6	R	1.732	1	1	4.4	4.4
Other probe and data acquisition errors	2.4	N	1	1	1	2.4	2.4
RF ambient and noise	1.8	N	1	1	1	1.8	1.8
Probe positioning errors	0.006	N	1	0.5	0.5	0.0	0.0
Data processing errors	4.0	N	1	1	1	4.0	4.0
Phantom and Device Errors							
Measurement of phantom conductivity (σ)	2.5	N	1	0.78	0.71	2.0	1.8
Temperature effects (medium)	5.4	R	1.732	0.78	0.71	2.4	2.2
Shell permittivity	14.0	R	1.732	0.5	0.5	4.0	4.0
Distance between the radiating element of the DUT and the phantom medium	2.0	N	1	2	2	4.0	4.0
Repeatability of positioning the DUT or source against the phantom	1.0	N	1	1	1	1.0	1.0
Device holder effects	3.6	N	1	1	1	3.6	3.6
Effect of operating mode on probe sensitivity	2.4	R	1.732	1	1	1.4	1.4
Time-average SAR	1.7	R	1.732	1	1	1.0	1.0
Variation in SAR due to drift in output of DUT	2.5	N	1	1	1	2.5	2.5
Validation antenna uncertainty (validation measurement only)	0.0	N	1	1	1	0.0	0.0
Uncertainty in accepted power (validation measurement only)	0.0	N	1	1	1	0.0	0.0
Correction to the SAR results							
Phantom deviation from target (ϵ', σ)	1.9	N	1	1	0.84	1.9	1.6
SAR scaling	0.0	R	1.732	1	1	0.0	0.0
Combined Std. Uncertainty						14.5%	14.4%
Coverage Factor for 95 %						K=2	K=2
Expanded STD Uncertainty						29.0%	28.8%

19. References

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- [16] FCC KDB 484596 D01 v03, “Test Reductions Via Data Referencing”, Mar. 2025

Appendixes

Please refer to separated files for the following appendixes

Appendix A. Plots of System Performance Check

Appendix B. Plots of High SAR Measurement

Appendix C. DASY Calibration Certificate

Appendix D. Test Setup Photos

Appendix E. Conducted RF Output Power Table

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