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ACCREDITED Testing Cert #:3902.01

TEST REPORT

For SAR

Report No. ..... :	**CHTEW22120086** Report vertification:
Project No. ..... :	**SHT2208214103EW**
FCC ID ..... :	**SS4SF650**
Applicant's name ..... :	**BLUEBIRD INC.**
Address ..... :	3F, 115, Irwon-ro, Gangnam-gu, Seoul, Republic of Korea
Test item description ..... :	**Smart Full Touch Handheld Computer**
Trade Mark ..... :	BLUEBIRD
Model/Type reference ..... :	SF650
Listed Model(s) ..... :	-
Standard ..... :	**FCC 47 CFR Part2.1093** **IEEE Std C95.1: 1999 Edition** **IEEE Std 1528: 2013**
Date of receipt of test sample ..... :	Nov.15, 2022
Date of testing ..... :	Nov.16, 2022-Jan.04, 2023
Date of issue ..... :	Jan.05, 2023
Result ..... :	**PASS**

Compiled by (position+printedname+signature)... :	File administrators Fanghui Zhu	Fanghui Zhu
Supervised by (position+printedname+signature).... :	Project Engineer Xiaodong Zhao	Xiaodong Zhao
Approved by (position+printedname+signature)... :	Manager: Hans Hu	Hans Hu

Testing Laboratory Name ..... :	**Shenzhen Huatongwei International Inspection Co., Ltd**
Address ..... :	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China

Contents

1 . Statement of Compliance

Maximum Reported SAR (W/kg @1g)						
Type	Test setting	WWAN	WIFI 2.4G	U-NII	BT	Simultaneous
Head	Cheek	0.374	0.357	0.280	0.069	0.700
Body-worn	Dist.= 10mm	1.133	0.228	0.517	0.041	1.564
Hotspot	Dist.= 10mm	1.133	0.228	0.517	0.041	1.564

Note:

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

2 . Test Standards and Report version

2.1. Test Standards

The tests were performed according to following standards:

FCC 47 Part 2.1093: Radiofrequency radiation exposure evaluation: portable devices.
IEEE Std C95.1, 1999 Edition: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
IEEE Std 1528™-2013: IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques.

FCC published RF exposure KDB procedures:
865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04: SAR Measurement Requirements for 100 MHz to 6 GHz
865664 D02 RF Exposure Reporting v01r02: RF Exposure Compliance Reporting and Documentation Considerations
447498 D04 Interim General RF Exposure Guidance v01: Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
248227 D01 802 11 Wi-Fi SAR v02r02: SAR Measurement Proceduresfor802.11 a/b/g Transmitters
648474 D04 Handset SAR v01r03: SAR Evaluation Considerations for Wireless Handsets
941225 D01 3G SAR Procedures v03r01: SAR Measurement Procedures for 3G Devices
941225 D05 SAR for LTE Devices v02r05: SAR Evaluation Considerations for LTE Devices
941225 D06 Hotspot Mode v02r01: SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities

TCB workshop April, 2019; Page 19, Tissue Simulating Liquids (TSL)

2.2. Report version

Revision No.	Date of issue	Description
N/A	2023-01-05	Original

3. Summary

3.1. Client Information

Applicant:	BLUEBIRD INC.
Address:	3F, 115, Irwon-ro, Gangnam-gu, Seoul, Republic of Korea
Manufacturer:	BLUEBIRD INC.
Address:	3F, 115, Irwon-ro, Gangnam-gu, Seoul, Republic of Korea
Factory1:	Bluebird Inc.
Address:	SSang-young IT Twin tower-B 7~8F), 531, Dunchon-daero, Jungwon-gu, Seongnam-si, Gyeonggi-do, Korea
Factory2:	TOP INTERCUBE ELECTRONICS VINA CO., LTD
Address:	Lo C1,Ba thien II Industrial park, Thien Ke Ward, Binh Xuyen District,Vinh Phuc Province, Vietnam

3.2. Product Description

Main unit	
Name of EUT:	Smart Full Touch Handheld Computer
Trade Mark:	BLUEBIRD
Model No.:	SF650
Listed Model(s):	-
Power supply:	DC 3.85V from Battery
Hardware version:	V01
Software version:	SF650-AND12-EN-20221119_R1.00-user
Device Dimension:	Length x Width x Thickness (mm): 169.9X77.2X9.9mm
Device Category:	Portable
Product stage:	Production unit
RF Exposure Environment:	General Population/Uncontrolled
HTW test sample No.:	YPHT22082141012
Support SIM card quantity:	☒ Single card ☐ Double card
Ancillary unit	
Battery information: [#1]	Model: BAT-500001 Type: LI-ION POLYMER BATTERY Rated/Min: 4850mAh, 18.67Wh Typical Capacity: 5000mAh, 19.25Wh Limited Charge Voltage: 4.4V Nominal Voltage: 3.85V
Adapter information:	Model: KSA29B0500200D5 Input: 100-240Va.c., 50/60Hz 0.5A Output: 5.0Vd.c., 2.0A 10.0W

Note:
#1: The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power.

3.3. RF Specification Description

GSM				
Operation Band:	☒ GSM850	☒ PCS1900		
Support type:	☒ GSM	☒ GPRS	☒ EGPRS	
Modulation type:	☒ GMSK	☒ 8PSK		
Power Class:	☒ GSM850: Class 4		☒ PCS1900: Class 1	
Device Class:	B			
GPRS Multi-Slot Class:	12			
EGPRS Multi-Slot Class:	12			
Note: *This device doesn't support DTM (Dual Transfer Mode).*				
WCDMA				
Operation Band:	☒ Band II	☒ Band IV	☒ Band V	
Support type:	☒ UMTS Rel. 99 (Voice & Data)		☒ HSDPA	☒ HSUPA
Modulation type:	☒ QPSK			
Power Class:	Class 3			
LTE				
Operation Band:	☒ Band 2	☒ Band 4	☒ Band 5	☒ Band 7
	☒ Band 12	☒ Band 13	☒ Band 14	☐ Band 25
	☐ Band 26	☐ Band 30	☒ Band 66	☐ Band 71
	☐ Band 38	☐ Band 41		
Support type:	☒Single Carrier	☐ CA-UL	☐ CA-DL	☐ MIMO-UL
Modulation type:	☒ QPSK	☒ 16QAM	☒ 64QAM	
Power Class:	☒ Class 3	☐ Class 2		
Note: *This device doesn't support SV-LTE (1xRTT-LTE).*				
Wi-Fi 2.4G				
Support type:	☒ 802.11b	☒ 802.11g	☒ 802.11n	☐ 802.11ax
Support bandwidth:	☒ 20MHz	☒ 40MHz		
Note: *This device 2.4GHz Wi-Fi support hotspot operation*				
Wi-Fi 5G				
Operation Band:	☒ U-NII-1	☒ U-NII-2A	☒ U-NII-2C	☒ U-NII-3
Support type:	☒ 802.11a	☒ 802.11n	☒ 802.11ac	☐ 802.11ax
Support bandwidth:	☒ 20MHz	☒ 40MHz	☒ 80MHz	☐ 160MHz
Note: *This device 5GHz Wi-Fi U-NII-2A&U-NII-2C doesn,t support hotspot operation.*				
Bluetooth				
Support type:	☒ BR	☒ EDR	☒ BLE-1Mbps	☒ BLE-2Mbps
Note: *This device support Bluetooth Tethering.*				

3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.	
Laboratory Location	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China	
Connect information:	Tel: 86-755-26715499 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn	
Qualifications	Type	Accreditation Number
	FCC	762235

3.5. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Ambient temperature	18 °C to 25 °C
Ambient humidity	30%RH to 70%RH
Air Pressure	950-1050mbar

4. Equipments Used during the Test

Used	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. date (YY-MM-DD)	Due date (YY-MM-DD)
●	Data Acquisition Electronics DAEx	SPEAG	DAE4	1549	2022/04/12	2023/04/11
●	E-field Probe	SPEAG	EX3DV4	7494	2022/05/16	2023/05/15
●	Universal Radio Communication Tester	R&S	CMW500	137681	2022/05/12	2023/05/11
● Tissue-equivalent liquids Validation						
●	Dielectric Assessment Kit	SPEAG	DAK-3.5	1267	N/A	N/A
○	Dielectric Assessment Kit	SPEAG	DAK-12	1130	N/A	N/A
●	Network analyzer	Keysight	E5071C	MY46733048	2022/08/29	2023/08/28
● System Validation						
○	System Validation Antenna	SPEAG	CLA-150	4024	2021/01/25	2024/01/24
○	System Validation Dipole	SPEAG	D450V3	1102	2021/01/20	2024/01/19
●	System Validation Dipole	SPEAG	D750V3	1180	2021/01/22	2024/01/21
●	System Validation Dipole	SPEAG	D835V2	4d238	2021/01/22	2024/01/21
●	System Validation Dipole	SPEAG	D1750V2	1164	2021/01/22	2024/01/21
●	System Validation Dipole	SPEAG	D1900V2	5d226	2021/01/22	2024/01/21
●	System Validation Dipole	SPEAG	D2450V2	1009	2021/01/25	2024/01/24
●	System Validation Dipole	SPEAG	D2600V2	1150	2021/01/25	2024/01/24
●	System Validation Dipole	SPEAG	D5GHzV2	1273	2021/01/26	2024/01/25
●	Signal Generator	R&S	SMB100A	114360	2022/05/25	2023/05/24
●	Power Viewer for Windows	R&S	N/A	N/A	N/A	N/A
●	Power sensor	R&S	NRP18A	101010	2022/05/25	2023/05/24
●	Power sensor	R&S	NRP18A	101386	2022/05/12	2023/05/11
●	Power Amplifier	BONN	BLWA 0160-2M	1811887	2022/11/10	2023/11/09
●	Dual Directional Coupler	Mini-Circuits	ZHDC-10-62-S+	F975001814	2022/11/10	2023/11/09
●	Attenuator	Mini-Circuits	VAT-3W2+	1819	2022/11/10	2023/11/09
●	Attenuator	Mini-Circuits	VAT-10W2+	1741	2022/11/10	2023/11/09

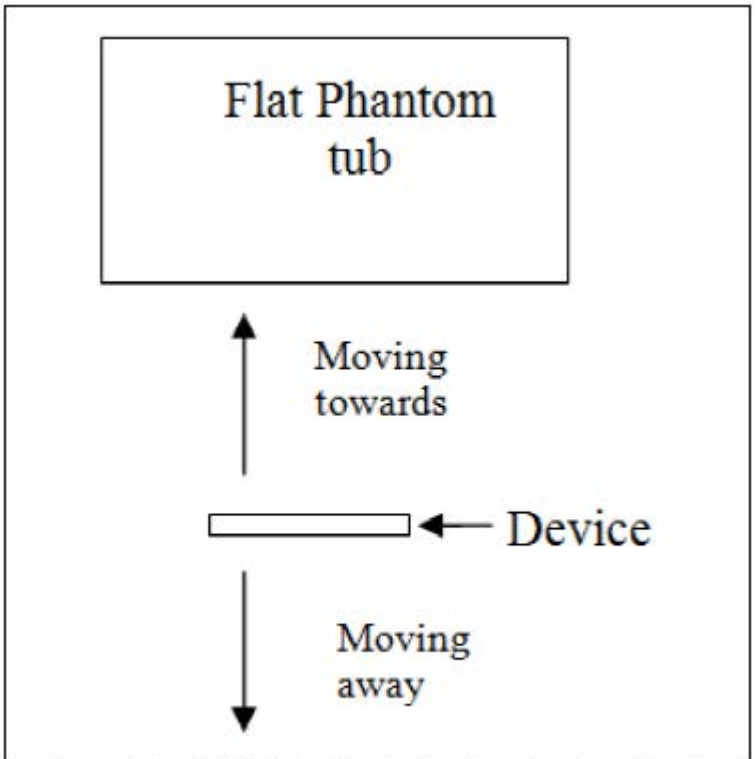
Note:

1. *The Probe,Dipole and DAE calibration reference to the Appendix E and F.*
2. *Referring to KDB865664 D01, the dipole calibration interval can be extended to 3 years with justifcatio. The dipole are also not physically damaged or repaired during the interval.*

5. Proximity Sensor Triggering Test

5.1. Proximity sensor triggering distances(Per KDB616217§6.2)

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 (5825MHz) and lowest (750MHz) frequency was used for proximity sensor triggering testing.
2. When the proximity sensor is active, GSM850/1900,WCDMA Band II/IV,LTE Band 2/4/7/66 reduced power will be active for front/ back body worn SAR.
3. When the proximity sensor is active, GSM850/1900,WCDMA Band II/IV,LTE Band 2/4/7/66 reduced power will be active for front/back/left/right/bottom Hotspot SAR.
4. When the proximity sensor is active, WLAN 2.4G/5.2G/5.3G/5.6G/5.8G reduced power will be active for back body worn SAR.
5. When the proximity sensor is active, WLAN 2.4G/5.2G/5.8G reduced power will be active for back/top Hotspot SAR.
6. The proximity sensors used to detect the proximity of the user's body at the front or back surface of the device use a detection threshold distance. The data shown in the sections below shows the distance(s).
7. For verification of compliance of power reduction scheme, additional SAR testing with EUT transmitting at full RF power at a conservative trigger distance was performed for body worn:
   Front: 14mm(2/3/4G)
   Rear: 18mm(2/3/4G)
   Rear: 12mm(WIFI)



Sensor/handheld detection test set-up, front and back faces

Proximity Sensor Triggering Distance (mm)												
BAND	Front		Rear		Left		Right		Top		Bottom	
	Moving away	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away	Moving towards	Moving away	Moving towards
GSM850	14	14	18	18	12	12	12	12	NA	NA	18	18
GSM1900	14	14	18	18	12	12	12	12	NA	NA	18	18
WCDMA Band II	14	14	18	18	12	12	12	12	NA	NA	18	18
WCDMA Band IV	14	14	18	18	12	12	12	12	NA	NA	18	18
LTE Band 2	14	14	18	18	12	12	12	12	NA	NA	18	18
LTE Band 4	14	14	18	18	12	12	12	12	NA	NA	18	18
LTE Band 7	14	14	18	18	12	12	12	12	NA	NA	18	18
LTE Band 66	14	14	18	18	12	12	12	12	NA	NA	18	18
WIFI 2.4G	NA	NA	12	12	NA	NA	NA	NA	18	18	NA	NA
WIFI 5G	NA	NA	12	12	NA	NA	NA	NA	18	18	NA	NA

Reduced Power(dBm) -Moving toward												
BAND	Position	Distance (mm)										
		25	22	19	17	16	15	14	13	12	11	10
GSM850	Front	34.61	34.61	34.61	34.61	34.61	34.61	33.61	33.61	33.61	33.61	33.61
GSM1900	Front	29.90	29.90	29.90	29.90	29.90	29.90	28.40	28.40	28.40	28.40	28.40
WCDMA Band II	Front	22.76	22.76	22.76	22.76	22.76	22.76	20.76	20.76	20.76	20.76	20.76
WCDMA Band IV	Front	23.86	23.86	23.86	23.86	23.86	23.86	22.36	22.36	22.36	22.36	22.36
LTE Band 2	Front	23.55	23.55	23.55	23.55	23.55	23.55	21.55	21.55	21.55	21.55	21.55
LTE Band 4	Front	24.04	24.04	24.04	24.04	24.04	24.04	22.54	22.54	22.54	22.54	22.54
LTE Band 7	Front	23.38	23.38	23.38	23.38	23.38	23.38	20.38	20.38	20.38	20.38	20.38
LTE Band 66	Front	22.91	22.91	22.91	22.91	22.91	22.91	21.91	21.91	21.91	21.91	21.91
Full Power(dBm)- Moving away												
BAND	Position	Distance (mm)										
		10	11	12	13	14	15	16	17	19	22	25
GSM850	Front	33.61	33.61	33.61	33.61	33.61	34.61	34.61	34.61	34.61	34.61	34.61
GSM1900	Front	28.40	28.40	28.40	28.40	28.40	29.90	29.90	29.90	29.90	29.90	29.90
WCDMA Band II	Front	20.76	20.76	20.76	20.76	20.76	22.76	22.76	22.76	22.76	22.76	22.76
WCDMA Band IV	Front	22.36	22.36	22.36	22.36	22.36	23.86	23.86	23.86	23.86	23.86	23.86
LTE Band 2	Front	21.55	21.55	21.55	21.55	21.55	23.55	23.55	23.55	23.55	23.55	23.55
LTE Band 4	Front	22.54	22.54	22.54	22.54	22.54	24.04	24.04	24.04	24.04	24.04	24.04
LTE Band 7	Front	20.38	20.38	20.38	20.38	20.38	23.38	23.38	23.38	23.38	23.38	23.38
LTE Band 66	Front	21.91	21.91	21.91	21.91	21.91	22.91	22.91	22.91	22.91	22.91	22.91

Reduced Power(dBm) -Moving toward												
BAND	Position	Distance (mm)										
		28	25	23	21	20	19	18	17	16	15	14
GSM850	Rear	34.61	34.61	34.61	34.61	34.61	34.61	33.61	33.61	33.61	33.61	33.61
GSM1900	Rear	29.90	29.90	29.90	29.90	29.90	29.90	28.40	28.40	28.40	28.40	28.40
WCDMA Band II	Rear	22.76	22.76	22.76	22.76	22.76	22.76	20.76	20.76	20.76	20.76	20.76
WCDMA Band IV	Rear	23.86	23.86	23.86	23.86	23.86	23.86	22.36	22.36	22.36	22.36	22.36
LTE Band 2	Rear	23.55	23.55	23.55	23.55	23.55	23.55	21.55	21.55	21.55	21.55	21.55
LTE Band 4	Rear	24.04	24.04	24.04	24.04	24.04	24.04	22.54	22.54	22.54	22.54	22.54
LTE Band 7	Rear	23.38	23.38	23.38	23.38	23.38	23.38	20.38	20.38	20.38	20.38	20.38
LTE Band 66	Rear	22.91	22.91	22.91	22.91	22.91	22.91	21.91	21.91	21.91	21.91	21.91
Full Power(dBm)- Moving away												
BAND	Position	Distance (mm)										
		14	15	16	17	18	19	20	21	23	25	28
GSM850	Rear	33.61	33.61	33.61	33.61	33.61	34.61	34.61	34.61	34.61	34.61	34.61
GSM1900	Rear	28.40	28.40	28.40	28.40	28.40	29.90	29.90	29.90	29.90	29.90	29.90
WCDMA Band II	Rear	20.76	20.76	20.76	20.76	20.76	22.76	22.76	22.76	22.76	22.76	22.76
WCDMA Band IV	Rear	22.36	22.36	22.36	22.36	22.36	23.86	23.86	23.86	23.86	23.86	23.86
LTE Band 2	Rear	21.55	21.55	21.55	21.55	21.55	23.55	23.55	23.55	23.55	23.55	23.55
LTE Band 4	Rear	22.54	22.54	22.54	22.54	22.54	24.04	24.04	24.04	24.04	24.04	24.04
LTE Band 7	Rear	20.38	20.38	20.38	20.38	20.38	23.38	23.38	23.38	23.38	23.38	23.38
LTE Band 66	Rear	21.91	21.91	21.91	21.91	21.91	22.91	22.91	22.91	22.91	22.91	22.91

Reduced Power(dBm) -Moving toward												
BAND	Position	Distance (mm)										
		23	20	17	15	14	13	12	11	10	9	8
GSM850	Left	34.61	34.61	34.61	34.61	34.61	34.61	33.61	33.61	33.61	33.61	33.61
GSM1900	Left	29.90	29.90	29.90	29.90	29.90	29.90	28.40	28.40	28.40	28.40	28.40
WCDMA Band II	Left	22.76	22.76	22.76	22.76	22.76	22.76	20.76	20.76	20.76	20.76	20.76
WCDMA Band IV	Left	23.86	23.86	23.86	23.86	23.86	23.86	22.36	22.36	22.36	22.36	22.36
LTE Band 2	Left	23.55	23.55	23.55	23.55	23.55	23.55	21.55	21.55	21.55	21.55	21.55
LTE Band 4	Left	24.04	24.04	24.04	24.04	24.04	24.04	22.54	22.54	22.54	22.54	22.54
LTE Band 7	Left	23.38	23.38	23.38	23.38	23.38	23.38	20.38	20.38	20.38	20.38	20.38
LTE Band 66	Left	22.91	22.91	22.91	22.91	22.91	22.91	21.91	21.91	21.91	21.91	21.91

Full Power(dBm)- Moving away												
BAND	Position	Distance (mm)										
		8	9	10	11	12	13	14	15	17	20	23
GSM850	Left	33.61	33.61	33.61	33.61	33.61	34.61	34.61	34.61	34.61	34.61	34.61
GSM1900	Left	28.40	28.40	28.40	28.40	28.40	29.90	29.90	29.90	29.90	29.90	29.90
WCDMA Band II	Left	20.76	20.76	20.76	20.76	20.76	22.76	22.76	22.76	22.76	22.76	22.76
WCDMA Band IV	Left	22.36	22.36	22.36	22.36	22.36	23.86	23.86	23.86	23.86	23.86	23.86
LTE Band 2	Left	21.55	21.55	21.55	21.55	21.55	23.55	23.55	23.55	23.55	23.55	23.55
LTE Band 4	Left	22.54	22.54	22.54	22.54	22.54	24.04	24.04	24.04	24.04	24.04	24.04
LTE Band 7	Left	20.38	20.38	20.38	20.38	20.38	23.38	23.38	23.38	23.38	23.38	23.38
LTE Band 66	Left	21.91	21.91	21.91	21.91	21.91	22.91	22.91	22.91	22.91	22.91	22.91

Reduced Power(dBm) -Moving toward												
BAND	Position	Distance (mm)										
		23	20	17	15	14	13	12	11	10	9	8
GSM850	Right	34.61	34.61	34.61	34.61	34.61	34.61	33.61	33.61	33.61	33.61	33.61
GSM1900	Right	29.90	29.90	29.90	29.90	29.90	29.90	28.40	28.40	28.40	28.40	28.40
WCDMA Band II	Right	22.76	22.76	22.76	22.76	22.76	22.76	20.76	20.76	20.76	20.76	20.76
WCDMA Band IV	Right	23.86	23.86	23.86	23.86	23.86	23.86	22.36	22.36	22.36	22.36	22.36
LTE Band 2	Right	23.55	23.55	23.55	23.55	23.55	23.55	21.55	21.55	21.55	21.55	21.55
LTE Band 4	Right	24.04	24.04	24.04	24.04	24.04	24.04	22.54	22.54	22.54	22.54	22.54
LTE Band 7	Right	23.38	23.38	23.38	23.38	23.38	23.38	20.38	20.38	20.38	20.38	20.38
LTE Band 66	Right	22.91	22.91	22.91	22.91	22.91	22.91	21.91	21.91	21.91	21.91	21.91
Full Power(dBm)- Moving away												
BAND	Position	Distance (mm)										
		8	9	10	11	12	13	14	15	17	20	23
GSM850	Right	33.61	33.61	33.61	33.61	33.61	34.61	34.61	34.61	34.61	34.61	34.61
GSM1900	Right	28.40	28.40	28.40	28.40	28.40	29.90	29.90	29.90	29.90	29.90	29.90
WCDMA Band II	Right	20.76	20.76	20.76	20.76	20.76	22.76	22.76	22.76	22.76	22.76	22.76
WCDMA Band IV	Right	22.36	22.36	22.36	22.36	22.36	23.86	23.86	23.86	23.86	23.86	23.86
LTE Band 2	Right	21.55	21.55	21.55	21.55	21.55	23.55	23.55	23.55	23.55	23.55	23.55
LTE Band 4	Right	22.54	22.54	22.54	22.54	22.54	24.04	24.04	24.04	24.04	24.04	24.04
LTE Band 7	Right	20.38	20.38	20.38	20.38	20.38	23.38	23.38	23.38	23.38	23.38	23.38
LTE Band 66	Right	21.91	21.91	21.91	21.91	21.91	22.91	22.91	22.91	22.91	22.91	22.91

Reduced Power(dBm) -Moving toward												
BAND	Position	Distance (mm)										
		28	25	23	21	20	19	18	17	16	15	14
GSM850	Bottom	34.61	34.61	34.61	34.61	34.61	34.61	33.61	33.61	33.61	33.61	33.61
GSM1900	Bottom	29.90	29.90	29.90	29.90	29.90	29.90	28.40	28.40	28.40	28.40	28.40
WCDMA Band II	Bottom	22.76	22.76	22.76	22.76	22.76	22.76	20.76	20.76	20.76	20.76	20.76
WCDMA Band IV	Bottom	23.86	23.86	23.86	23.86	23.86	23.86	22.36	22.36	22.36	22.36	22.36
LTE Band 2	Bottom	23.55	23.55	23.55	23.55	23.55	23.55	21.55	21.55	21.55	21.55	21.55
LTE Band 4	Bottom	24.04	24.04	24.04	24.04	24.04	24.04	22.54	22.54	22.54	22.54	22.54
LTE Band 7	Bottom	23.38	23.38	23.38	23.38	23.38	23.38	20.38	20.38	20.38	20.38	20.38
LTE Band 66	Bottom	22.91	22.91	22.91	22.91	22.91	22.91	21.91	21.91	21.91	21.91	21.91

Full Power(dBm)- Moving away												
BAND	Position	Distance (mm)										
		14	15	16	17	18	19	20	21	23	25	28
GSM850	Bottom	33.61	33.61	33.61	33.61	33.61	34.61	34.61	34.61	34.61	34.61	34.61
GSM1900	Bottom	28.40	28.40	28.40	28.40	28.40	29.90	29.90	29.90	29.90	29.90	29.90
WCDMA Band II	Bottom	20.76	20.76	20.76	20.76	20.76	22.76	22.76	22.76	22.76	22.76	22.76
WCDMA Band IV	Bottom	22.36	22.36	22.36	22.36	22.36	23.86	23.86	23.86	23.86	23.86	23.86
LTE Band 2	Bottom	21.55	21.55	21.55	21.55	21.55	23.55	23.55	23.55	23.55	23.55	23.55
LTE Band 4	Bottom	22.54	22.54	22.54	22.54	22.54	24.04	24.04	24.04	24.04	24.04	24.04
LTE Band 7	Bottom	20.38	20.38	20.38	20.38	20.38	23.38	23.38	23.38	23.38	23.38	23.38
LTE Band 66	Bottom	21.91	21.91	21.91	21.91	21.91	22.91	22.91	22.91	22.91	22.91	22.91

Reduced Power(dBm) -Moving toward											
BAND	Position	Distance (mm)									
		23	20	17	15	14	13	12	11	10	9	8
WIFI 2.4G	Rear	17.89	17.89	17.89	17.89	17.89	17.89	16.89	16.89	16.89	16.89	16.89
WIFI 5G	Rear	13.91	13.91	13.91	13.91	13.91	13.91	12.91	12.91	12.91	12.91	12.91
Full Power(dBm)- Moving away											
BAND	Position	Distance (mm)									
		8	9	10	11	12	13	14	15	17	20	23
WIFI 2.4G	Rear	16.89	16.89	16.89	16.89	16.89	17.89	17.89	17.89	17.89	17.89	17.89
WIFI 5G	Rear	12.91	12.91	12.91	12.91	12.91	13.91	13.91	13.91	13.91	13.91	13.91

Reduced Power(dBm) -Moving toward											
BAND	Position	Distance (mm)									
		28	25	23	21	20	19	18	17	16	15	14
WIFI 2.4G	Top	17.89	17.89	17.89	17.89	17.89	17.89	16.89	16.89	16.89	16.89	16.89
WIFI 5G	Top	13.91	13.91	13.91	13.91	13.91	13.91	12.91	12.91	12.91	12.91	12.91
Full Power(dBm)- Moving away											
BAND	Position	Distance (mm)									
		14	15	16	17	18	19	20	21	23	25	28
WIFI 2.4G	Top	16.89	16.89	16.89	16.89	16.89	17.89	17.89	17.89	17.89	17.89	17.89
WIFI 5G	Top	12.91	12.91	12.91	12.91	12.91	13.91	13.91	13.91	13.91	13.91	13.91

6. Measurement Uncertainty

Per KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz, 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 ≤ 30%, for a confidence interval of k = 2. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528 is not required in SAR reports submitted for equipment approval.

Therefore, the measurement uncertainty is not required.

7. SAR Measurement System Configuration

7.1. SAR Measurement Set-up

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

A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).

A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.

A data acquisition electronic (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.

A unit to operate the optical surface detector which is connected to the EOC.

The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY5 measurement server.

The DASY5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation. A computer operating Windows 2003.

DASY5 software and SEMCAD data evaluation software.

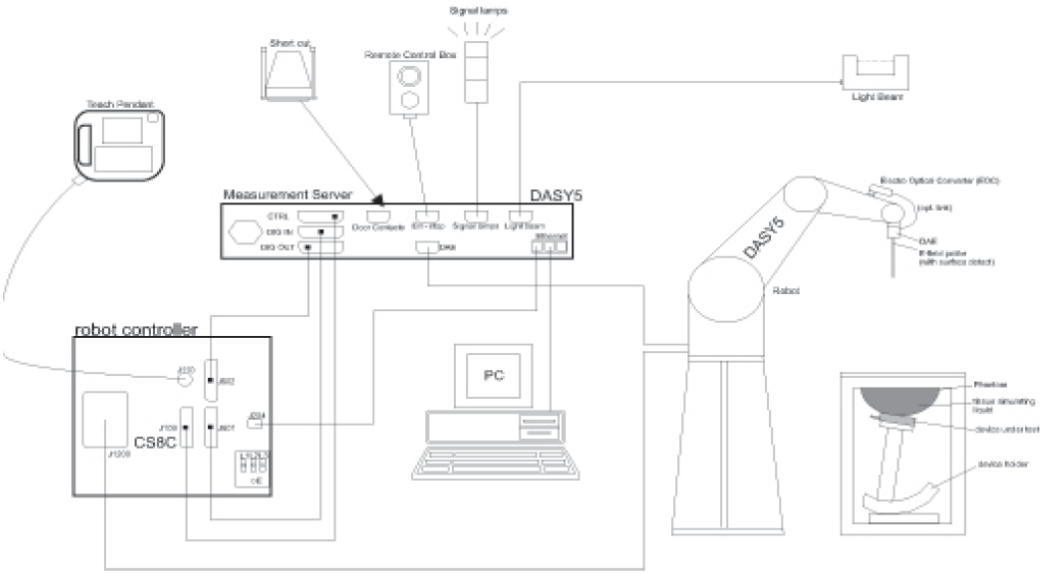
Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.

The generic twin phantom enabling the testing of left-hand and right-hand usage.

The device holder for handheld Mobile Phones.

Tissue simulating liquid mixed according to the given recipes.

System validation dipoles allowing to validate the proper functioning of the system.



7.2. DASY5 E-field Probe System

The SAR measurements were conducted with the dosimetric probe EX3DV4 (manufactured by SPEAG), designed in the classical triangular configuration and optimized for dosimetric evaluation.

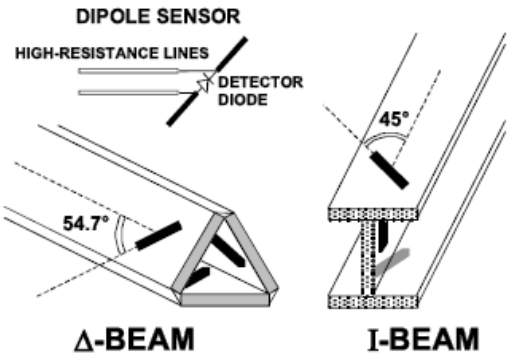
- **Probe Specification**

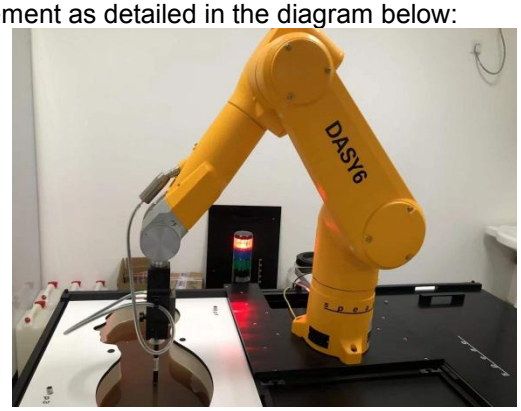
Construction	Symmetrical design with triangular core Interleaved sensors Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available.
Frequency	4 MHz to 10 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic Range	10 μW/g to > 100 W/kg; Linearity: ± 0.2 dB
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 6 GHz Dosimetry in strong gradient fields Compliance tests of Mobile Phones
Compatibility	DASY3, DASY4, DASY52 SAR and higher, EASY4/MRI

- **Isotropic E-Field Probe**

The isotropic E-Field probe has been fully calibrated and assessed for isotropicity, and boundary effect within a controlled environment. Depending on the frequency for which the probe is calibrated the method utilized for calibration will change.

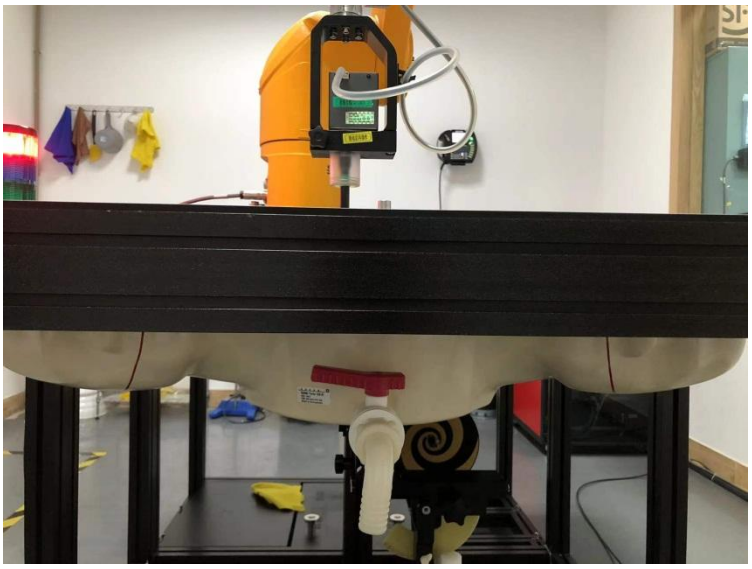
The E-Field probe utilizes a triangular sensor arrangement as detailed in the diagram below:





7.3. Phantoms

The phantom used for all tests i.e. for both system checks and device testing, was the twin-headed "SAM Phantom", manufactured by SPEAG. The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region, where shell thickness increases to 6mm).
System checking was performed using the flat section, whilst Head SAR tests used the left and right head profile sections. Body SAR testing also used the flat section between the head profiles.



SAM-Twin Phantom

7.4. Device Holder

The device was placed in the device holder (illustrated below) that is supplied by SPEAG as an integral part of the DASY system.
The DASY device holder is designed to cope with the different positions given in the standard. It has two scales for device rotation (with respect to the body axis) and device inclination (with respect to the line between the ear reference points). The rotation centers for both scales is the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.

Device holder supplied by SPEAG

8. SAR Test Procedure

8.1. Scanning Procedure

Step 1: Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. Measure the local SAR at a test point within 8 mm of the phantom inner surface that is closest to the DUT. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

Step 2: Area Scan

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

Area Scan Resolutions per FCC KDB Publication 865664 D01v04

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 mm ± 1 mm	½·$\hat{o}$·ln(2) mm ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}	≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

Step 3: Zoom Scan

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

Zoom Scan Resolutions per FCC KDB Publication 865664 D01v04

Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$ mm	
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 IEEE Std 1528-2013 for details.

* When zoom scan is required and the *reported* SAR from the *area scan based 1-g SAR estimation* procedures of KDB Publication 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

Step 4: Power drift measurement

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the last Power Reference Measurement. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1. The SAR drift shall be kept within ± 5 %.

8.2. Data Storage and Evaluation

Data Storage

The DASY5 software stores the acquired data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors),s together with all necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files with the extension ".DA4". The software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of incorrect parameter settings. For example, if a measurement has been performed with a wrong crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be re-evaluated.

The measured data can be visualized or exported in different units or formats, depending on the selected probe type ([V/m], [A/m], [°C], [W/kg], [mW/cm²], [dBrel], etc.). Some of these units are not available in certain situations or show meaningless results, e.g., a SAR output in a lossless media will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

Data Evaluation

The SEMCAD software automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe parameters:	Sensitivity:	Normi, ai0, ai1, ai2
	Conversion factor:	ConvFi
	Diode compression point:	Dcpi
Device parameters:	Frequency:	f
	Crest factor:	cf
Media parameters:	Conductivity:	σ
	Density:	ρ

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY5 components. In the direct measuring mode of the multimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics. If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \cdot \frac{cf}{dcp_i}$$

Vi: compensated signal of channel (i = x, y, z)
Ui: input signal of channel (i = x, y, z)
cf: crest factor of exciting field (DASY parameter)
dcpi: diode compression point (DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

$$\mathrm{E-fieldprobes}: \qquad E_i = \sqrt{\frac{V_i}{Norm_i \cdot ConvF}}$$

$$\mathrm{H-fieldprobes}: \qquad H_i = \sqrt{V_i} \cdot \frac{a_{i0} + a_{i1} f + a_{i2} f^2}{f}$$

Vi: compensated signal of channel (i = x, y, z)
Normi: sensor sensitivity of channel (i = x, y, z), [mV/(V/m)2] for E-field Probes
ConvF: sensitivity enhancement in solution
aij: sensor sensitivity factors for H-field probes
f: carrier frequency [GHz]
Ei: electric field strength of channel i in V/m
Hi: magnetic field strength of channel i in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = \sqrt{E_x^2 + E_y^2 + E_z^2}$$

The primary field data are used to calculate the derived field units.

$$SAR = E_{tot}^2 \cdot \frac{\sigma}{\rho \cdot 1'000}$$

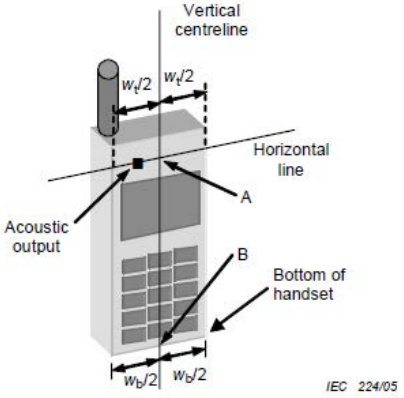
SAR: local specific absorption rate in W/kg
Etot: total field strength in V/m
σ: conductivity in [mho/m] or [Siemens/m]
ρ: equivalent tissue density in g/cm3

Note that the density is normally set to 1 (or 1.06), to account for actual brain density rather than the density of the simulation liquid.

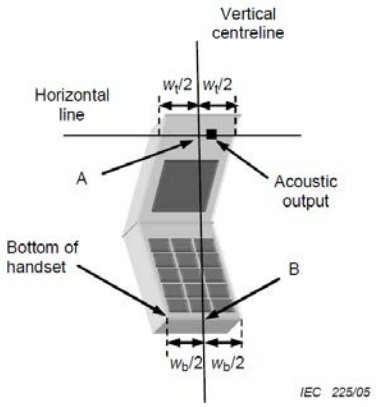
9. Position of the wireless device in relation to the phantom

9.1. Head Position

The wireless device define two imaginary lines on the handset, the vertical centreline and the horizontal line, for the handset in vertical orientation as shown in Figures 5a and 5b.
The vertical centreline 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 Figures 5a and 5b), and the midpoint of the width W_b of the bottom of the handset (point B).
The horizontal line is perpendicular to the vertical centreline and passes through the centre of the acoustic output (see Figures 5a and 5b). The two lines intersect at point A.
Note that for many handsets, point A coincides with the centre of the acoustic output. However, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centreline is not necessarily parallel to the front face of the handset (see Figure 5b), especially for clam-shell handsets, handsets with flip cover pieces, and other irregularly shaped handsets.



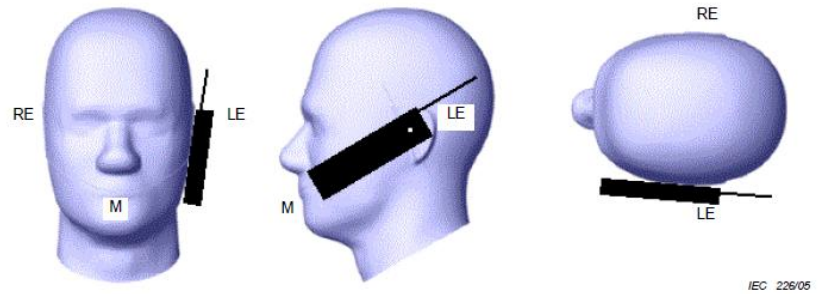
Figures 5a



Figures 5b

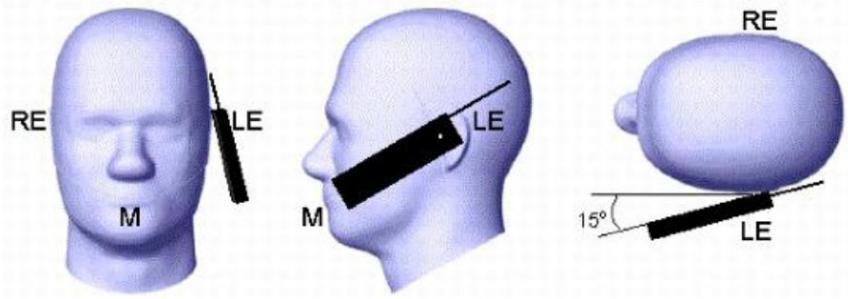
W_t Width of the handset at the level of the acoustic
W_b Width of the bottom of the handset
A Midpoint of the widthwt of the handset at the level of the acoustic output
B Midpoint of the width wb of the bottom of the handset

Cheek position



Picture 2 Cheek position of the wireless device on the left side of SAM

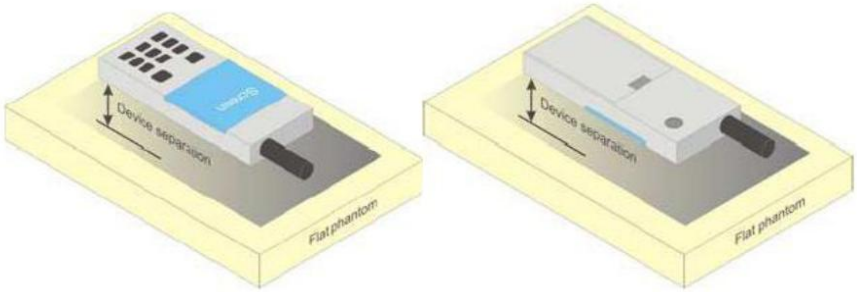
Tilt position



Picture 3 Tilt position of the wireless device on the left side of SAM

9.2. Body Position

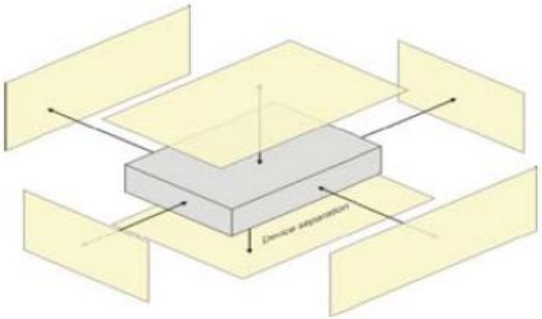
Devices that support transmission while used with body-worn accessories must be tested for body-worn accessory SAR compliance, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.
Devices that are designed to operate on the body of users using lanyards and straps or without requiring additional body-worn accessories must be tested for SAR compliance using a conservative minimum test separation distance ≤ 5mm to support compliance.



Picture 4 Test positions for body-worn devices

9.3. Hotspot Mode Exposure conditions

The hotspot mode and body-worn accessory SAR test configurations may overlap for handsets. When the same wireless mode transmission configurations for voice and data are required for SAR measurements, the more conservative configuration with a smaller separation distance should be tested for the overlapping SAR configurations. This typically applies to the back and front surfaces of a handset when SAR is required for both hotspot mode and body-worn accessory exposure conditions. Depending on the form factor and dimensions of a device, the test separation distance used for hotspot mode SAR measurement is either 10 mm or that used in the body-worn accessory configuration, whichever is less for devices with dimension > 9 cm x 5 cm. For smaller devices with dimensions ≤ 9 cm x 5 cm because of a greater potential for next to body use a test separation of ≤ 5 mm must be used.



Picture 5 Test positions for Hotspot Mode

10. Dielectric Property Measurements & System Check

10.1. Tissue Dielectric Parameters

The temperature of the tissue-equivalent medium used during measurement must also be within 18℃ to 25℃ and within ± 2℃ of the temperature when the tissue parameters are characterized.
The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements. The parameters should be re-measured after each 3-4 days of use; or earlier if the dielectric parameters can become out of tolerance; for example, when the parameters are marginal at the beginning of the measurement series.
The dielectric constant (ε_r) and conductivity (σ) of typical tissue-equivalent media recipes are expected to be within ± 5% of the required target values; but for SAR measurement systems that have implemented the SAR error compensation algorithms documented in IEEE Std 1528, to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, the tolerance for ε_r and σ may be relaxed to ± 10%. This is limited to frequencies ≤ 3 GHz.

Tissue Dielectric Parameters
FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

Tissue dielectric parameters for Head		
Target Frequency (MHz)	Head	
	ε_r	σ(S/m)
750	41.9	0.89
835	41.5	0.90
1750	40.1	1.37
1800-2000	40.0	1.40
2450	39.2	1.80
2600	39.0	1.96
5200	36.0	4.66
5300	35.9	4.76
5500	35.6	4.96
5600	35.5	5.07
5800	35.3	5.27

Measurement Results:

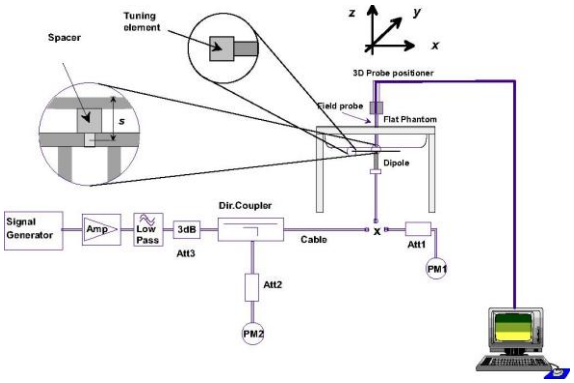
Dielectric performance of Head tissue simulating liquid									
Frequency (MHz)	ε_r		σ(S/m)		Delta (ε_r)	Delta (σ)	Limit	Temp (℃)	Date
	Target	Measured	Target	Measured					
750	41.90	41.88	0.890	0.921	-0.05%	3.48%	±5%	22.2	2022/11/21
835	41.50	41.57	0.900	0.866	0.17%	-3.78%	±5%	22.2	2022/11/23
1750	40.10	39.41	1.370	1.335	-1.72%	-2.55%	±5%	22.2	2022/11/28
1900	40.00	39.13	1.400	1.415	-2.17%	1.07%	±5%	22.2	2022/11/30
2450	39.20	39.42	1.800	1.815	0.56%	0.83%	±5%	22.2	2022/12/2
2600	39.00	39.36	1.960	1.917	0.92%	-2.19%	±5%	22.2	2022/12/3
5250	35.93	36.10	4.706	4.786	0.47%	1.70%	±5%	22.2	2022/12/5
5600	35.53	35.84	5.065	5.150	0.87%	1.68%	±5%	22.2	2022/12/6
5750	35.36	35.75	5.219	5.298	1.10%	1.51%	±5%	22.2	2022/12/6
2600	39.00	37.07	1.960	1.925	-4.95%	-1.79%	±5%	22.2	2023/1/4

10.2. System Check

SAR system verification is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device. The same SAR probe(s) and tissue-equivalent media combinations used with each specific SAR system for system verification must be used for device testing. When multiple probe calibration points are required to cover substantially large transmission bands, independent system verifications are required for each probe calibration point. A system verification must be performed before each series of SAR measurements using the same probe calibration point and tissue-equivalent medium. Additional system verification should be considered according to the conditions of the tissue-equivalent medium and measured tissue dielectric parameters, typically every three to four days when the liquid parameters are re-measured or sooner when marginal liquid parameters are used at the beginning of a series of measurements.

System Performance Check Measurement Conditions:

- The measurements were performed in the flat section of the TWIN SAM or ELI phantom, shell thickness: 2.0±0.2 mm (bottom plate) filled with Body or Head simulating liquid of the following parameters.
- The depth of tissue-equivalent liquid in a phantom must be ≥ 15.0 cm for SAR measurements ≤ 3 GHz and ≥10.0 cm for measurements > 3 GHz.
- The DASY system with an E-Field Probe was used for the measurements.
- The dipole was mounted on the small tripod so that the dipole feed point was positioned below the center marking of the flat phantom section and the dipole was oriented parallel to the body axis (the long side of the phantom). The standard measuring distance was 10 mm (above 1 GHz) and 15 mm (below 1 GHz) from dipole center to the simulating liquid surface.
- The coarse grid with a grid spacing of 15 mm was aligned with the dipole.
  For 5 GHz band - The coarse grid with a grid spacing of 10 mm was aligned with the dipole.
- Special 7x7x7 (below 3 GHz) and/or 8x8x7 (above 3 GHz) fine cube was chosen for the cube.
- The results are normalized to 1 W input power.



System Performance Check Setup

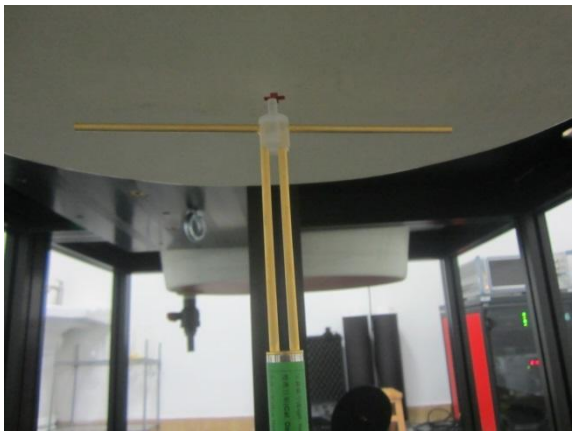


Photo of Dipole Setup

Measurement Results:

Head											
Frequency (MHz)	1g SAR			10g SAR			Delta (1g)	Delta (10g)	Limit	Temp (℃)	Date
	Target 1W	Normalize to 1W	Measured 250mW	Target 1W	Normalize to 1W	Measured 250mW					
750	8.43	9.08	2.27	5.59	6.00	1.50	7.71%	7.33%	±10%	22.4	2022/11/21
835	9.39	9.36	2.34	6.14	6.12	1.53	-0.32%	-0.33%	±10%	22.4	2022/11/23
1750	36.40	38.28	9.57	19.20	20.60	5.15	5.16%	7.29%	±10%	22.4	2022/11/28
1900	39.80	42.00	10.50	20.30	21.44	5.36	5.53%	5.62%	±10%	22.4	2022/11/30
2450	52.00	56.00	14.00	23.90	25.68	6.42	7.69%	7.45%	±10%	22.4	2022/12/2
2600	56.50	59.20	14.80	25.00	27.48	6.87	4.78%	9.92%	±10%	22.4	2022/12/3
2600	56.50	57.60	14.40	25.00	26.76	6.69	1.95%	7.04%	±10%	22.4	2023/1/4
Frequency (MHz)	1g SAR			10g SAR			Delta (1g)	Delta (10g)	Limit	Temp (℃)	Date
	Target 1W	Normalize to 1W	Measured 100mW	Target 1W	Normalize to 1W	Measured 100mW					
5250	78.20	83.40	8.34	22.30	23.80	2.38	6.65%	6.73%	±10%	22.4	2022/12/5
5600	81.60	89.40	8.94	23.30	25.30	2.53	9.56%	8.58%	±10%	22.4	2022/12/6
5750	79.30	86.50	8.65	22.50	24.40	2.44	9.08%	8.44%	±10%	22.4	2022/12/6

Note:

The 1-g and 10-g SAR measured with a reference dipole, using the required tissue-equivalent medium at the test frequency, must be within ±10% of the manufacturer calibrated dipole SAR target.

Plots of System Performance Check

SystemPerformanceCheck-Head 750MHz

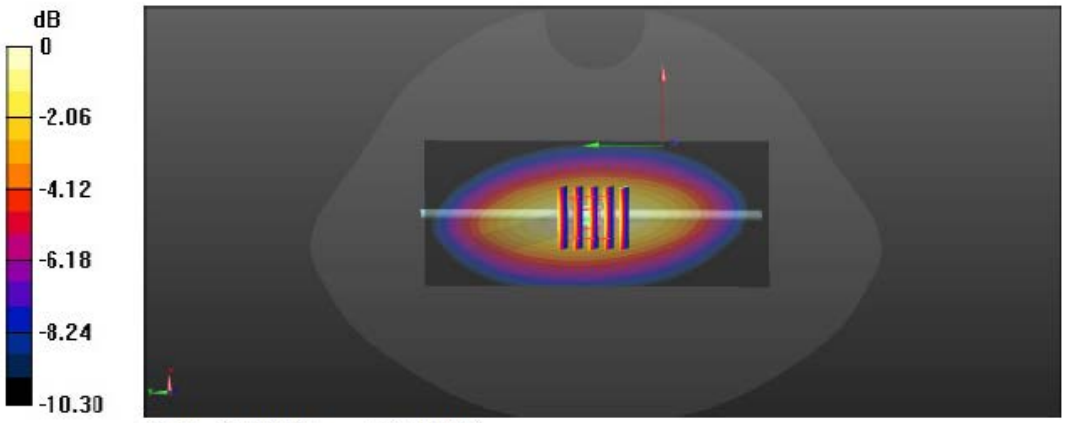
Communication System: UID 0, A-CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.921 S/m; ε_r = 41.882; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4°C;Liquid Temperature:22.2°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.6, 10.6, 10.6) @ 750 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Head/d=15mm, Pin=250mW, dist=1.4mm (EX-Probe)/Area Scan (51x121x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.60 W/kg

Head/d=15mm, Pin=250mW, dist=1.4mm (EX-Probe)/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.37 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.43 W/kg
SAR(1 g) = 2.27 W/kg; SAR(10 g) = 1.5 W/kg
Maximum value of SAR (measured) = 2.68 W/kg



0 dB = 2.68 W/kg = 4.28 dBW/kg

SystemPerformanceCheck-Head 835MHz

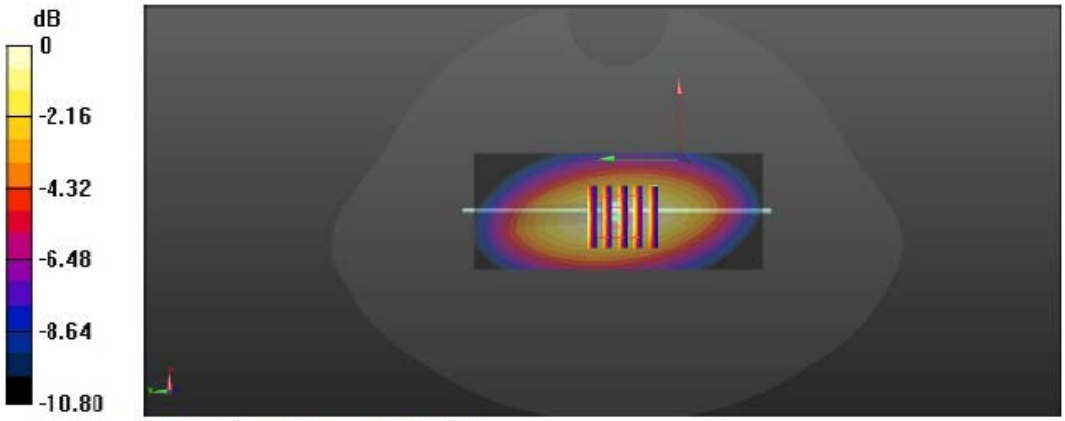
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.865 S/m; ε_r = 41.573; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4°C;Liquid Temperature:22.2°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.3, 10.3, 10.3) @ 835 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Head/d=15mm, Pin=250mW/Area Scan (41x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.74 W/kg

Head/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.54 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 3.53 W/kg
SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.53 W/kg
Maximum value of SAR (measured) = 2.75 W/kg



0 dB = 2.75 W/kg = 4.39 dBW/kg

SystemPerformanceCheck-Head 1750MHz

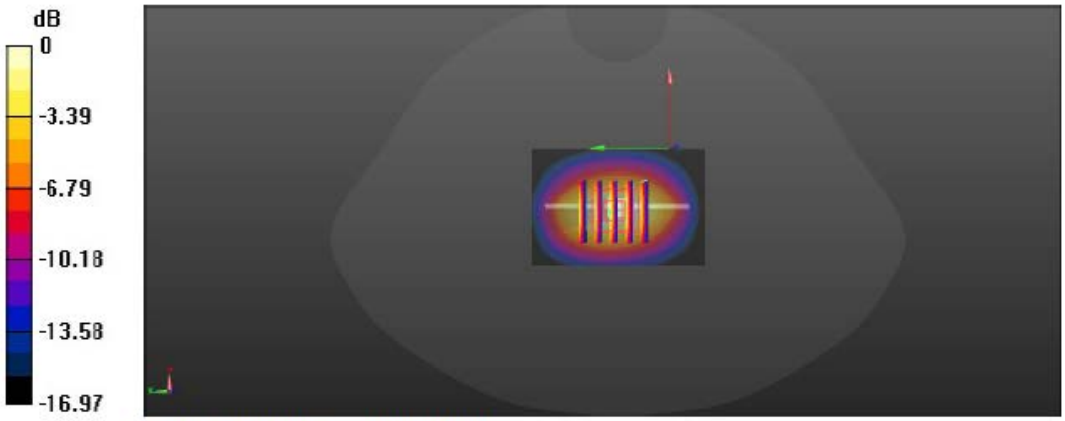
Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1750 MHz; σ = 1.334 S/m; ε_r = 39.407; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4°C;Liquid Temperature:22.2°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.81, 8.81, 8.81) @ 1750 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Head/d=10mm,Pin=250mW/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.3 W/kg

Head/d=10mm,Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 93.88 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 17.2 W/kg
SAR(1 g) = 9.57 W/kg; SAR(10 g) = 5.15 W/kg
Maximum value of SAR (measured) = 12.0 W/kg



0 dB = 12.0 W/kg = 10.79 dBW/kg

SystemPerformanceCheck-Head 1900MHz

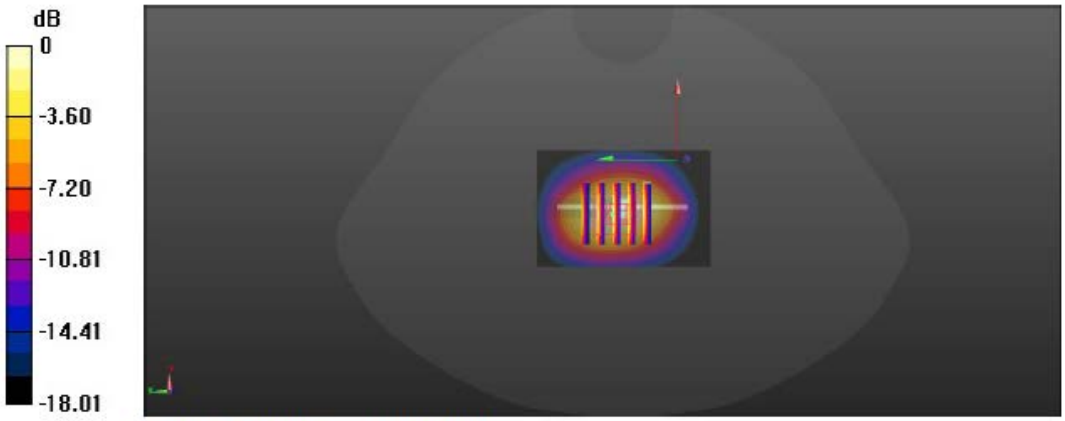
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.415 S/m; ε_r = 39.127; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4°C;Liquid Temperature:22.2°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.45, 8.45, 8.45) @ 1900 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Head/d=10mm,Pin=250mW/Area Scan (41x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.4 W/kg

Head/d=10mm,Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 97.25 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 19.1 W/kg
SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.36 W/kg
Maximum value of SAR (measured) = 13.0 W/kg



0 dB = 13.0 W/kg = 11.37 dBW/kg

SystemPerformanceCheck-Head 2450MHz

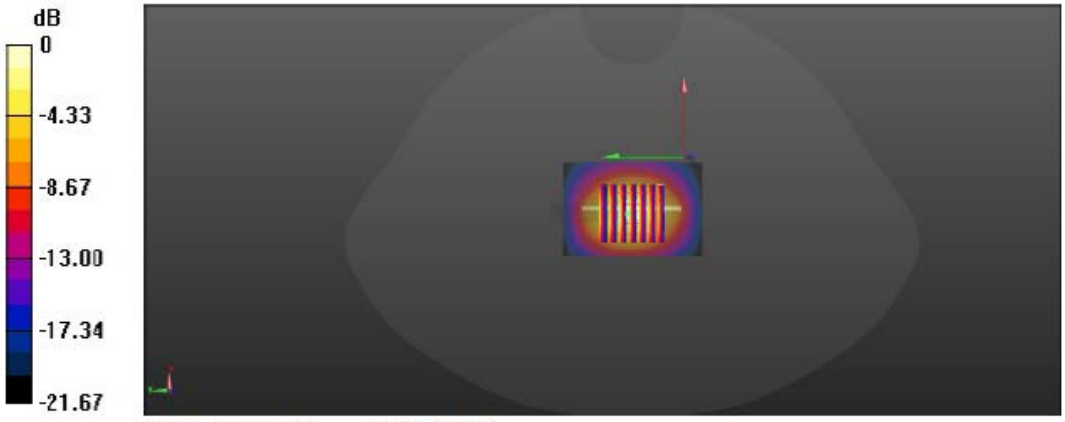
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2450 MHz; σ = 1.815 S/m; ε_r = 39.425; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4°C;Liquid Temperature:22.2°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.9, 7.9, 7.9) @ 2450 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Head/d=10mm,Pin=250mW/Area Scan (41x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 18.3 W/kg

Head/d=10mm,Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 103.1 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 27.9 W/kg
SAR(1 g) = 14 W/kg; SAR(10 g) = 6.42 W/kg
Maximum value of SAR (measured) = 15.8 W/kg



0 dB = 15.8 W/kg = 12.97 dBW/kg

SystemPerformanceCheck-Head 2600MHz

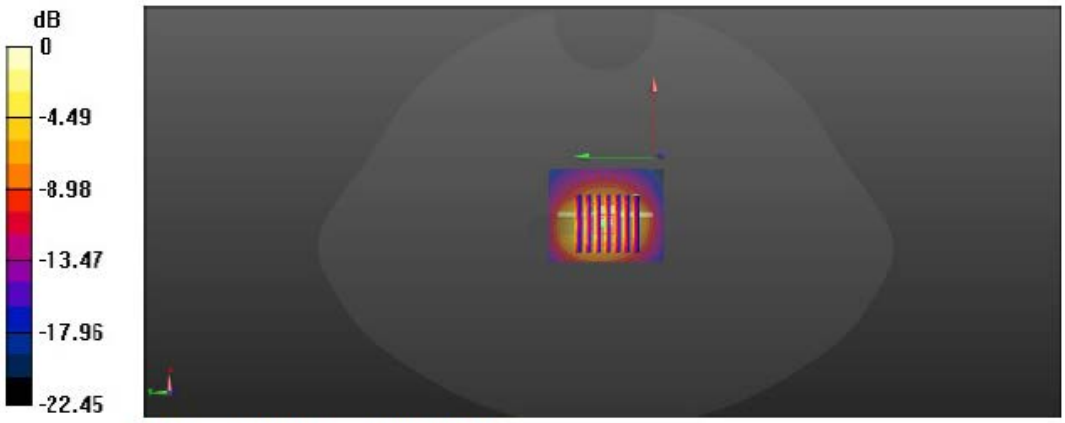
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.917 S/m; ε_r = 39.356; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4°C;Liquid Temperature:22.2°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.65, 7.65, 7.65) @ 2600 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Head/d=10mm,Pin=250mW/Area Scan (41x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 26.4 W/kg

Head/d=10mm,Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 107.4 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 31.1 W/kg
SAR(1 g) = 14.8 W/kg; SAR(10 g) = 6.87 W/kg
Maximum value of SAR (measured) = 25.0 W/kg



0 dB = 25.0 W/kg = 13.98 dBW/kg

SystemPerformanceCheck-Head 2600MHz

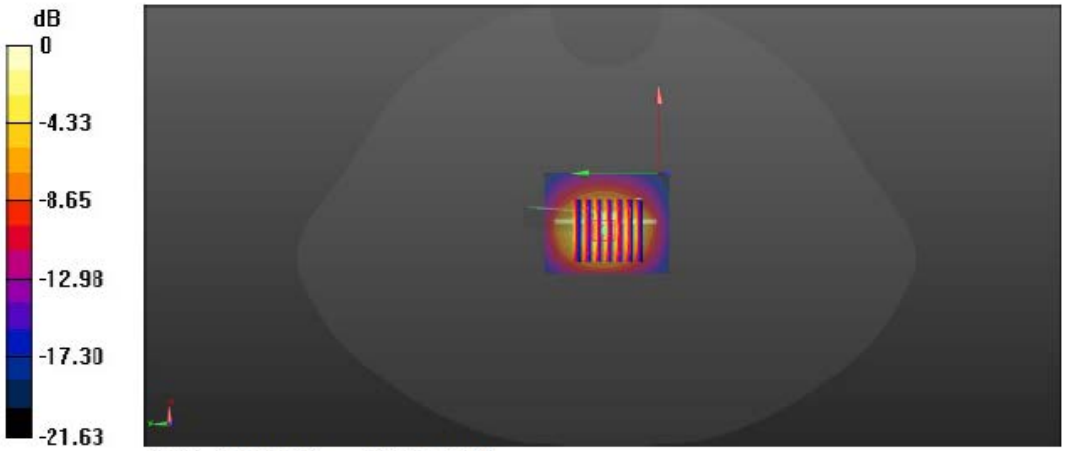
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.925 S/m; ε_r = 37.065; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4°C;Liquid Temperature:22.2°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.65, 7.65, 7.65) @ 2600 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Head/d=10mm,Pin=250mW/Area Scan (41x51x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 24.9 W/kg

Head/d=10mm,Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 110.7 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 29.8 W/kg
SAR(1 g) = 14.4 W/kg; SAR(10 g) = 6.69 W/kg
Maximum value of SAR (measured) = 24.1 W/kg



0 dB = 24.1 W/kg = 13.82 dBW/kg

SystemPerformanceCheck-Head 5250MHz

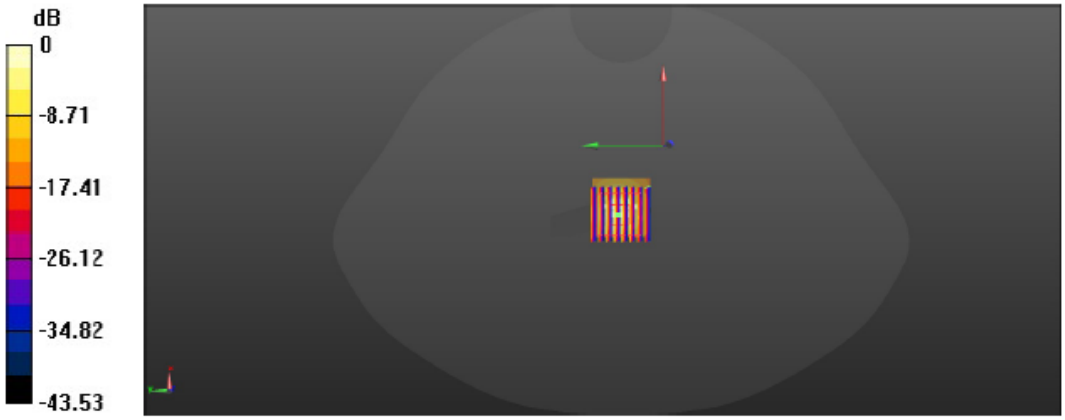
Communication System: UID 0, Generic WIFI (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5250 MHz; σ = 4.819 S/m; ε_r = 36.061; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4°C;Liquid Temperature:22.2°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(5.61, 5.61, 5.61) @ 5250 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Head/d=10mm,pin=100mW /Area Scan (31x31x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 24.0 W/kg

Head/d=10mm,pin=100mW /Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 65.68 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 34.3 W/kg
SAR(1 g) = 8.34 W/kg; SAR(10 g) = 2.34 W/kg
Maximum value of SAR (measured) = 21.2 W/kg



0 dB = 21.2 W/kg = 13.26 dBW/kg

SystemPerformanceCheck-Head 5600MHz

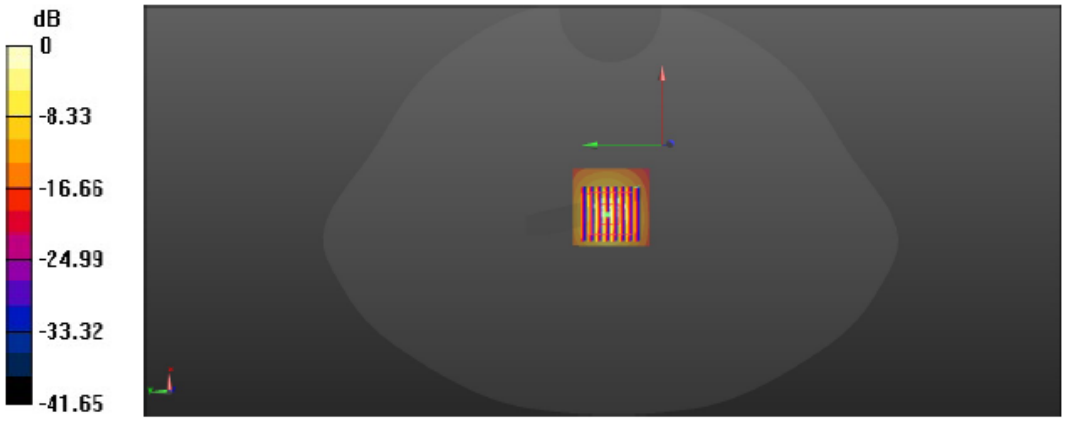
Communication System: UID 0, Generic WIFI (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.15 S/m; ε_r = 35.837; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4°C;Liquid Temperature:22.2°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(5.01, 5.01, 5.01) @ 5600 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Head/d=10mm, Pin=100mW, f=5600 MHz /Area Scan (41x41x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 21.6 W/kg

Head/d=10mm, Pin=100mW, f=5600 MHz /Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 63.30 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 34.9 W/kg
SAR(1 g) = 8.94 W/kg; SAR(10 g) = 2.53 W/kg
Maximum value of SAR (measured) = 20.8 W/kg



0 dB = 20.8 W/kg = 13.18 dBW/kg

SystemPerformanceCheck-Head 5750MHz

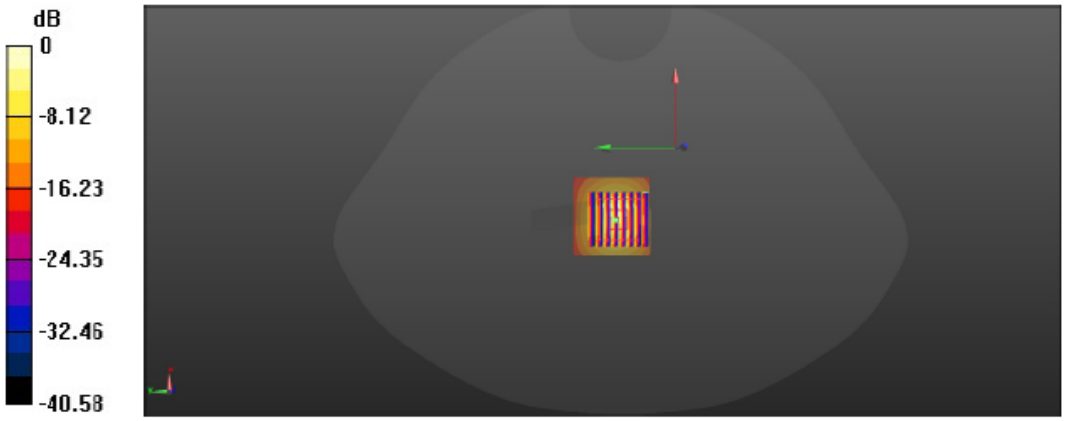
Communication System: UID 0, Generic WIFI (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5750 MHz; σ = 5.298 S/m; ε_r = 35.754; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4°C;Liquid Temperature:22.2°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(4.97, 4.97, 4.97) @ 5750 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Head/d=10mm Pin=100mW,f=5750Mhz /Area Scan (41x41x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 24.1 W/kg

Head/d=10mm Pin=100mW,f=5750Mhz /Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 54.23 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 38.9 W/kg
SAR(1 g) = 8.65 W/kg; SAR(10 g) = 2.44 W/kg
Maximum value of SAR (measured) = 23.0 W/kg



0 dB = 23.0 W/kg = 13.62 dBW/kg

11. SAR Exposure Limits

SAR assessments have been made in line with the requirements of FCC 47 CFR § 2.1093.

Type Exposure	Limit (W/kg)	
	General Population/ Uncontrolled Exposure Environment	Occupational/ Controlled Exposure Environment
Spatial Average SAR (whole body)	0.08	0.4
Spatial Peak SAR (1g cube tissue for head and trunk)	1.6	8.0
Spatial Peak SAR (10g for limb)	4.0	20.0

Note:

1. *Population/Uncontrolled Environments: are defined as locations where there is the exposure of individual who have no knowledge or control of their exposure.*
2. *Occupational/Controlled Environments: are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure (i.e. as a result of employment or occupation).*

12. Conducted Power Measurement Results and Tune-up

Please refer to appendix report

Note:

GSM

1. *Per KDB 447498 D04, the maximum output power channel is used for SAR testing and further SAR test reduction.*
2. *Per KDB 941225 D01, considering the possibility of e.g. 3rd party VoIP operation for Head and Body-worn SAR test reduction for GSM and GPRS modes is determined by the source-base time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.*
3. *Per KDB941225 D01, for hotspot SAR test reduction for GPRS modes is determined by the source-based time-averaged output power including tune-up tolerance, For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.*

WCDMA

1. *The following tests were conducted according to the test requirements outlines in 3GPP TS34.121 specification.*
2. *The procedures in KDB 941225 D01 are applied for 3GPP Rel. 6 HSPA to configure the device in the required sub-test mode to determine SAR test exclusion*

A summary of thest setting are illustrated belowe:

HSDPA Setup Configureation:

a) The EUT was connected to base station RS CMU200 referred to the setup configuration
b) The RF path losses were compensated into the measurements
c) A call was established between EUT and base station with following setting:
- *i. Set Gain Factors (βc and βd) and parameters were set according to each specific sub-test in the following table, C10.1.4, Quoted from the TS 34.121*
- *ii. Set RMC 12.2Kbps + HSDPA mode*
- *iii. Set Cell Power=-86dBm*
- *iv. Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)*
- *v. Select HSDPA uplink parameters*
- *vi. Set Delta ACK, Delta NACK and Delta CQI=8*
- *vii. Set Ack-Nack repetition Factor to 3*
- *viii. Set CQI Feedback Cycle (K) to 4ms*
- *ix. Set CQI repetition factor to 2*
- *x. Power ctrl mode= all up bits*

d) The transmitter maximum output power waw recorded.

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15 (Note 4)	15/15 (Note 4)	64	12/15 (Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_c.

Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, Δ_{ACK} and Δ_{NACK} = 30/15 with β_{hs} = 30/15 * β_c, and Δ_{CQI} = 24/15 with β_{hs} = 24/15 * β_c.

Note 3: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

Note 4: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 11/15 and β_d = 15/15.

Setup Configuration

HSUPA Setup Configureation:

a) The EUT was connected to base station RS CMU200 referred to the setup configuration
b) The RF path losses were compensated into the measurements
c) A call was established between EUT and base station with following setting:
i. Call configs = 5.2b, 5.9b, 5.10b, and 5.13.2B with QPSK
ii. Set Gain Factors (βc and βd) and parameters (AG index) were set according to each specific sub-test in the following table, C11.1.3, Quoted from the TS 34.121
iii. Set Cell Power=-86dBm
iv. Set channel type= 12.2Kbps + HSPA mode
v. Set UE Target power
vi. Set Ctrl mode=Alternating bits
vii. Set and observe the E-TFCI
viii. Confirm that E-TFCI is equal the target E-TFCI of 75 for Sub-test 1, and other subtest"s E-TFCI
d) The transmitter maximum output power waw recorded.

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (Note 5) (Note 6)	β_{ed} (SF)	β_{ed} (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 6)	E-TFCI
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/225	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed}1$: 47/15 $\beta_{ed}2$: 47/15	4 4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15 (Note 4)	15/15 (Note 4)	64	15/15 (Note 4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with $\beta_{hs} = 30/15 * \beta_c$.
Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15. For all other combinations of DPDCH, DPCCH, HS- DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.
Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 10/15 and β_d = 15/15.
Note 4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 14/15 and β_d = 15/15.
Note 5: In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.
Note 6: β_{ed} can not be set directly, it is set by Absolute Grant Value.

LTE

General:

1. *CMW500 base station simulator was used to setup the connection with EUT; the frequency band, channel,bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUTtransmitting at maximum power and at different configurations which are requested to be reported to FCC, forconducted power measurement and SAR testing.*
2. *Per KDB 941225 D05v02r03, when a properly configured base station simulator is used for the SAR and powermeasurements, spectrum plots for each RB allocation and offset configuration is not required.*
3. *Per KDB 941225 D05v02r03, start with the largest channel bandwidth and measure SAR for QPSK with 1 RBallocation, using the RB offset and required test channel combination with the highest maximum output power for RBoffsets at the upper edge, middle and lower edge of each required test channel.*
4. *Per KDB 941225 D05v02r03, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.*

LTE (TDD) Considerations

1. *According to KDB 941225 D05 SAR for LTE Devices, for Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.*

2. *SAR was tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7.*

3. *LTE TDD Bands support 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplinkdownlink configurations and Table 4.2-1 for Special subframe configurations.*

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$(1+X) \cdot 2192 \cdot T_s$	$(1+X) \cdot 2560 \cdot T_s$	$7680 \cdot T_s$	$(1+X) \cdot 2192 \cdot T_s$	$(1+X) \cdot 2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$	$(2+X) \cdot 2192 \cdot T_s$	$(2+X) \cdot 2560 \cdot T_s$
5	$6592 \cdot T_s$	$(2+X) \cdot 2192 \cdot T_s$	$(2+X) \cdot 2560 \cdot T_s$	$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-
10	$13168 \cdot T_s$	$13152 \cdot T_s$	$12800 \cdot T_s$	-	-	-

Table 4.2-2: Uplink-downlink configurations

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Calculated Duty Cycle = Extended cyclic prefix in uplink x (Ts) x # of S + # of U

Example for Calculated Duty Cycle for Uplink-Downlink Configuration 0:
Calculated Duty Cycle = 5120 x [1/(15000 x 2048)] x 2 + 6 ms = 63.33%
where
Ts = 1/(15000 x 2048) seconds

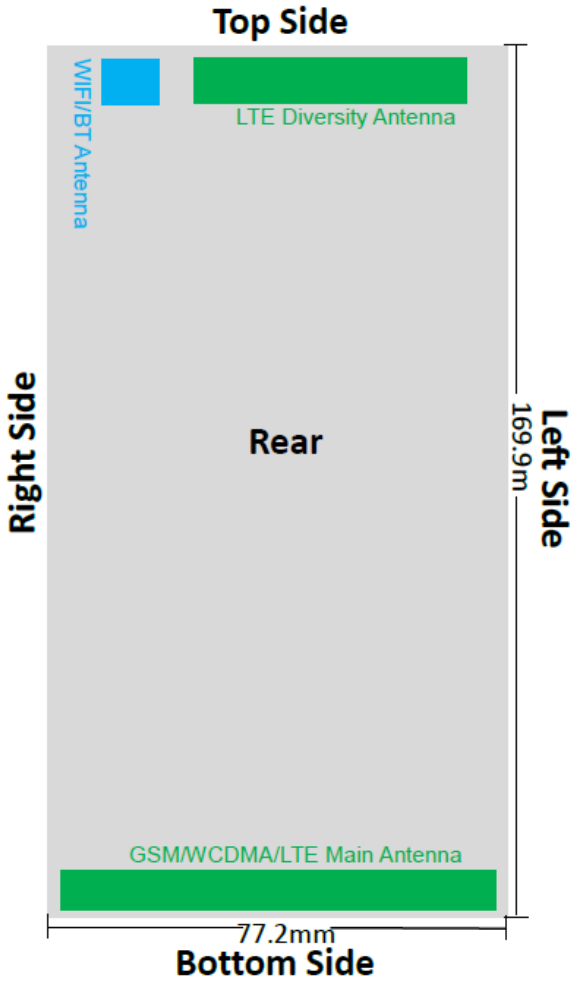
This device supports uplink-downlink configurations 0-6. The configuration with highest duty cycle was used-configuration 0 at 63.3% duty cycle.

Wi-Fi

For 2.4GHz Wi-Fi SAR testing, highest average RF output power channel for the lowest data rate for 802.11b were for SAR evaluation.

The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures.
SAR testing is not required for OFDM mode(s) when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

13. Antenna Location



14. Measured and Reported SAR Results

Measurement Results:
Please refer to appendix report

Measurement data plots:
Please refer to appendix D

Note:
SAR Test Reduction criteria are as follows:
- *Reported SAR(W/kg) for WWAN = Measured SAR *Tune-up Scaling Factor*
- *Reported SAR(W/kg) for Wi-Fi and Bluetooth = Measured SAR * Tune-up scaling factor * Duty Cycle scaling factor*
- *Duty Cycle scaling factor = 1 / Duty cycle (%)*

KDB 447498 D04 Interim General RF Exposure Guidance v01:
Testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
- *≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz*
- *≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz*
- *≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz*

KDB 648474 D04 Handset SAR:
With headset attached, when the reported SAR for body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset. Additional 1-g SAR testing at 5 mm is not required when hotspot mode 10-g extremity SAR is not required for the surfaces and edges; since all 1-g reported SAR < 1.2 W/kg.

KDB 941225 D01 SAR test for 3G SAR Test Reduction Procedure:
When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

GSM Guidance
SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. Please refer to section 9. for GSM power verification.
SAR is not required for EDGE (8PSK) mode because the maximum output power and tune-up limit is ≤ 1/4dB higher than GPRS/EDGE (GMSK) or the adjusted SAR of the highest reported SAR of GPRS/EDGE (GMSK) is ≤ 1.2W/kg.

W-CDMA Guidance
SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1"s". The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC (Head) and other spreading codes and multiple DPDCHn configurations supported by the handset with 12.2 kbps RMC (Body-Worn Accessory) as the primary mode.
Per KDB 941225 D01 RMC12.2Kbps setting is used to evaluate SAR. If the maximum output power and Tune-up tolerance specified for production units in HSDPA/HSUPA is ≦1/4dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio fo specified maximum output power and tune-up tolerance of HSDPA / HSUPA to RMC 12.2Kbps and the adjusted SAR is ≦1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA.

KDB 941225 D05 SAR for LTE Devices:

SAR test reduction is applied using the following criteria:

- *Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB, and 50% RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel.*
- *When the reported SAR is > 0.8 W/kg, testing for other Channels is performed at the highest output power level for 1RB, and 50% RB configuration for that channel.*
- *Testing for 100% RB configuration is performed at the highest output power level for 100% RB configuration across the Low, Mid and High Channel when the highest reported SAR for 1 RB and 50% RB are > 0.8 W/kg. Testing for the remaining required channels is not needed because the reported SAR for 100% RB Allocation < 1.45 W/kg.*
- *Testing for 16-QAM and 64-QAM modulation is not required because the reported SAR for QPSK is < 1.45 W/Kg and its output power is not more than 0.5 dB higher than that of QPSK.*
- *Testing for the other channel bandwidths is not required because the reported SAR for the highest channel bandwidth is < 1.45 W/Kg and its output power is not more than 0.5 dB higher than that of the highest channel bandwidth.*

TDD LTE reqirement:

For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9%) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result.The Reported TDD LTE SAR = measured SAR (W/kg) Tune-up Scaling Factor* scaling factor for extended cyclic prefix.*

KDB 248227 D01 SAR meas for 802.11:

When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

SAR test reduction for 802.11 Wi-Fi transmission mode configurations are considered separately for DSSS and OFDM. An initial test position is determined to reduce the number of tests required for certain exposure configurations with multiple test positions. An initial test configuration is determined for each frequency band and aggregated band according to maximum output power, channel bandwidth, wireless mode configurations and other operating parameters to streamline the measurement requirements. For 2.4 GHz DSSS, either the initial test position or DSSS procedure is applied to reduce the number of SAR tests; these are mutually exclusive. For OFDM, an initial test position is only applicable to next to the ear, UMPC mini-tablet and hotspot mode configurations, which is tested using the initial test configuration to facilitate test reduction. For other exposure conditions with a fixed test position, SAR test reduction is determined using only the initial test configuration.

The multiple test positions require SAR measurements in head, hotspot mode or UMPC mini-tablet configurations may be reduced according to the highest reported SAR determined using the initial test position(s) by applying the DSSS or OFDM SAR measurement procedures in the required wireless mode test configuration(s). The initial test position(s) is measured using the highest measured maximum output power channel in the required wireless mode test configuration(s). When the reported SAR for the initial test position is:

- *≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and wireless mode combination within the frequency band or aggregated band. DSSS and OFDM configurations are considered separately according to the required SAR procedures.*
- *> 0.4 W/kg, SAR is repeated using the same wireless mode test configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions are tested.*
  - *For subsequent test positions with equivalent test separation distance or when exposure is dominated by coupling conditions, the position for maximum coupling condition should be tested.*
  - *When it is unclear, all equivalent conditions must be tested.*
- *For all positions/configurations tested using the initial test position and subsequent test positions,when the reported SAR is > 0.8 W/kg, measure the SAR for these positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required test channels are considered.*
  - *The additional power measurements required for this step should be limited to those necessary for identifying subsequent highest output power channels to apply the test reduction.*

- *When the specified maximum output power is the same for both UNII 1 and UNII 2A, begin SAR measurements in UNII 2A with the channel with the highest measured output power. If the reported SAR for UNII 2A is ≤ 1.2 W/kg, SAR is not required for UNII 1; otherwise treat the remaining bands separately and test them independently for SAR.*
- *When the specified maximum output power is different between UNII 1 and UNII 2A, begin SAR with the band that has the higher specified maximum output. If the highest reported SAR for the band with the highest specified power is ≤ 1.2 W/kg, testing for the band with the lower specified output power is not required; otherwise test the remaining bands independently for SAR.*

To determine the initial test position, Area Scans were performed to determine the position with the Maximum Value of SAR (measured). The position that produced the highest Maximum Value of SAR is considered the worst case position; thus used as the initial test position.

15. SAR Measurement Variability

In accordance with published RF Exposure KDB 865664 D01 SAR measurement 100 MHz to 6 GHz. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

1) Repeated measurement is not required when the original highest measured SAR is <0.8 or 2 W/kg (1-g or 10-g respectively); steps 2) through 4) do not apply.
2) When the original highest measured SAR is ≥ 0.8 or 2 W/kg (1-g or 10-g respectively), repeat that measurement once.
3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 or 3.6 W/kg (~ 10% from the 1-g or 10-g respective SAR limit).
4) Perform a third repeated measurement only if the original, first, or second repeated measurement is ≥ 1.5 or 3.75 W/kg (1-g or 10-g respectively) and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

Band	Test Position	Frequency		Highest Measured SAR (W/kg)	First Repeated		Second Repeated	
		CH	MHz		Measured SAR(W/kg)	Largest to Smallest SAR Ratio	Measured SAR(W/kg)	Largest to Smallest SAR Ratio
GPRS1900 4Tx slots	Rear	810	1909.8	0.963	0.950	1.01	NA	NA
WCDMA Band II	Rear	9400	1880	0.930	0.911	1.02	NA	NA
WCDMA Band IV	Rear	1413	1732.6	0.978	0.955	1.02	NA	NA
LTE Band 2	Rear	18900	1880	0.896	0.871	1.03	NA	NA
LTE Band 4	Rear	20175	1732.5	0.868	0.845	1.03	NA	NA
LTE Band 4	Rear	132572	1770	0.891	0.860	1.04	NA	NA

16. Simultaneous Transmission analysis

16.1. Simultaneous Transmission

No.	Simultaneous Transmission Configurations	Head	Body-worn	Hotspot	Note
1	GSM(voice) + Bluetooth (data)	Yes	Yes		
2	GSM(voice) + WLAN (data)	Yes	Yes		
3	WCDMA(voice) + Bluetooth (data)	Yes	Yes		
4	WCDMA(voice) + WLAN (data)	Yes	Yes		
5	GPRS (data) + Bluetooth (data)	Yes	Yes	Yes	
6	GPRS (data) + WLAN (data)	Yes	Yes	Yes	
7	WCDMA (data) + Bluetooth (data)	Yes	Yes	Yes	
8	WCDMA (data) + WLAN (data)	Yes	Yes	Yes	
9	LTE + Bluetooth (data)	Yes	Yes	Yes	
10	LTE + WLAN (data)	Yes	Yes	Yes	

General note:
1. WLAN and Bluetooth share the same antenna, and cannot transmit simultaneously.
2. EUT will choose either GSM or WCDMA LTE according to the network signal condition; therefore, they will not operate simultaneously at any moment.
3. The reported SAR summation is calculated based on the same configuration and test position

Simultaneous Transmission data:

Please refer to appendix report

Notes:
1. No evaluation was performed to determine the aggregate 1g SAR for these configurations as the SPLS ratio between the antenna pairs was not greater than 0.04 per FCC KDB 447498 D01v06. See Section 16.2 for detailed SPLS ratio analysis.

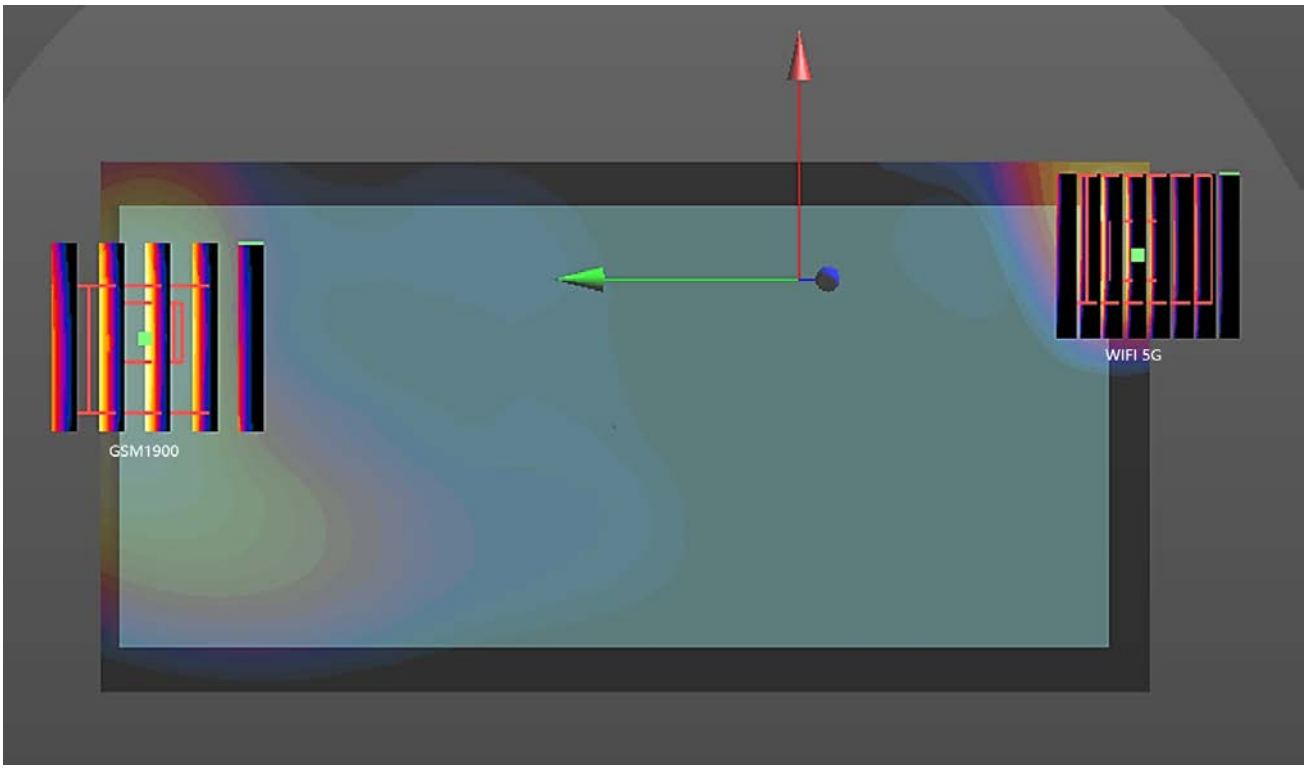
16.2. SPLSR Evaluation and Analysis

Per FCC KDB Publication 447498 D01v06, when the sum of the standalone transmitters is more than 1.6W/kg for 1g, the SAR sum to peak locations can be analyzed to determine SAR distribution overlaps. When the SAR peak to location ratio (shown below) for each pair of antennas is ≤0.04 for 1g, simultaneous SAR evaluation is not required. The distance between the transmitters was calculated using the following formula.

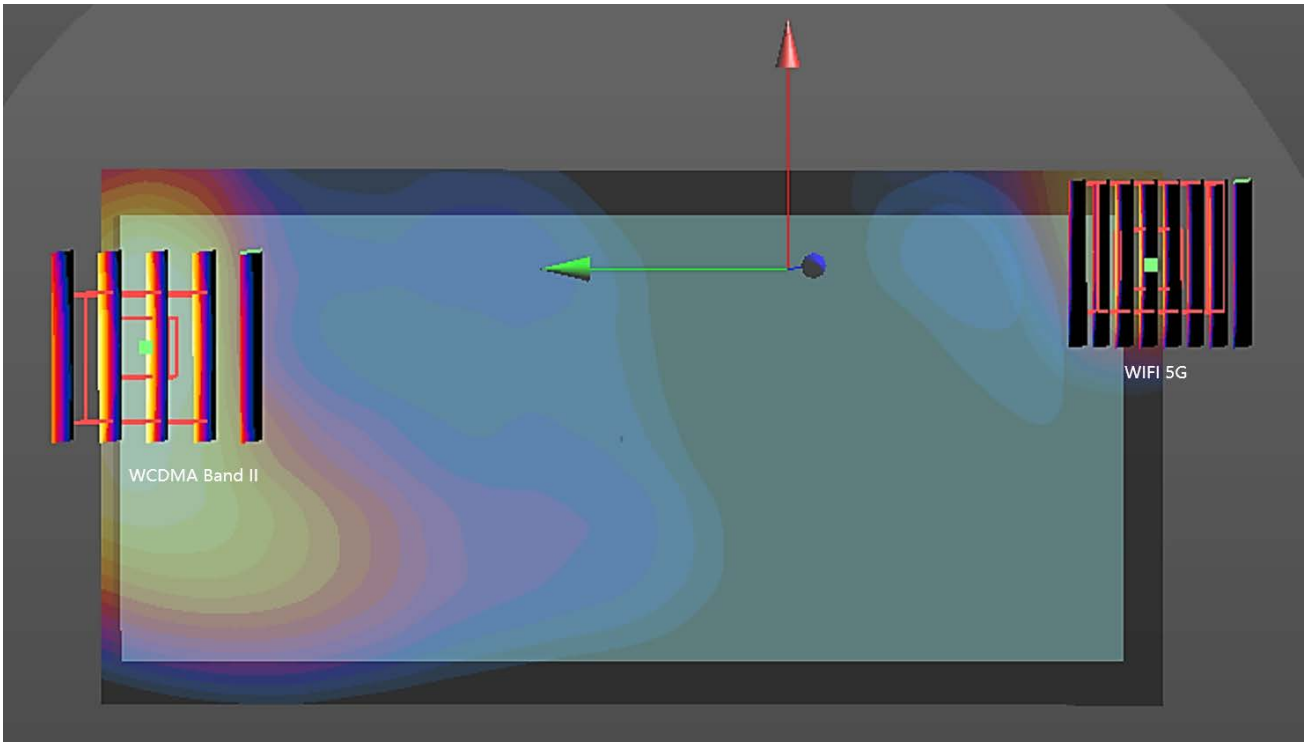
$$\mathbf{Distance_{TX1\text{-}TX2}=R_i= [(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]^{0.5}}$$

$$\mathbf{SPLS\ Ratio= (SAR1 + SAR2)^{1.5}/Ri}$$

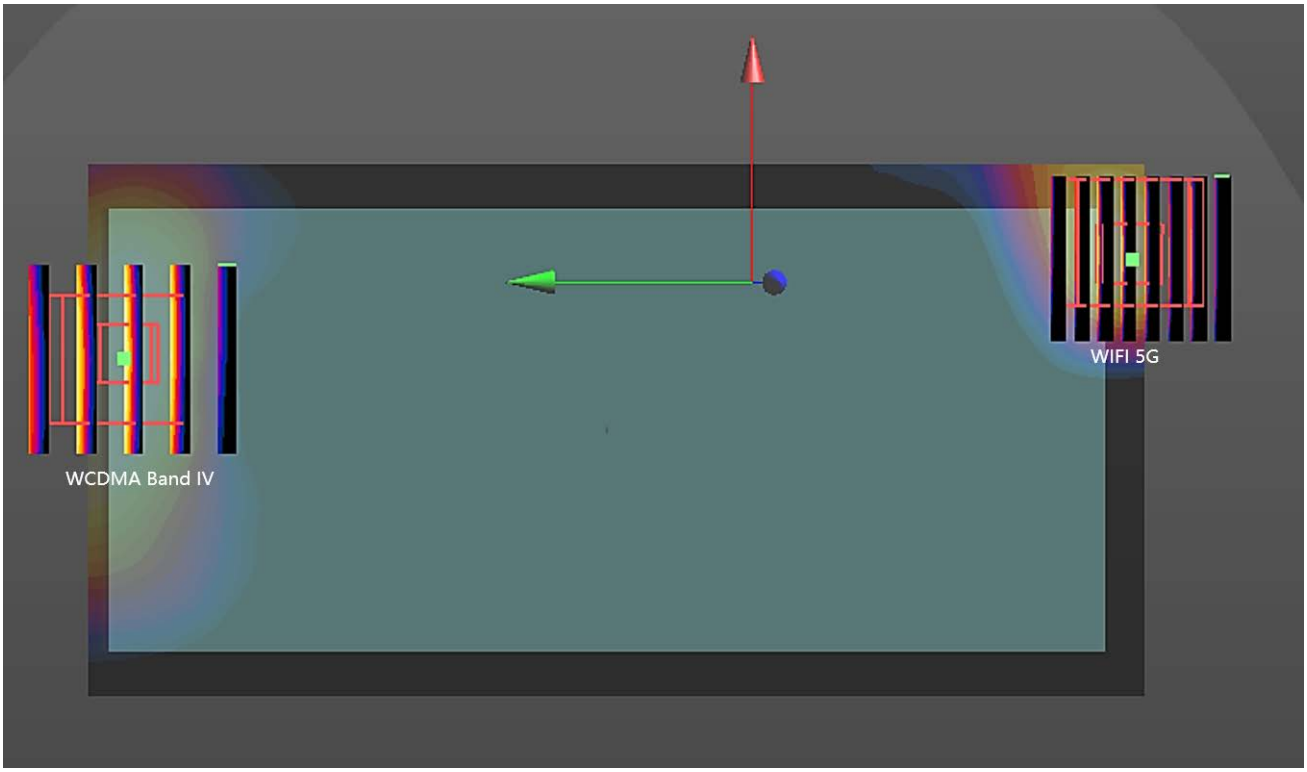
	Band	Position	1g SAR (W/kg)	Gap	SAR peak location(mm)			Peak SAR Separation Distance (mm)	Summed SAR (W/kg)	SPLS Ratio	Simultaneous SAR
				(mm)	X	Y	Z				
No.1	GSM1900	Rear	1.111	10	15.00	82.50	-2.86	169.85	1.628	0.012	No required
	WIFI 5G		0.517	10	28.60	-86.80	-2.79				



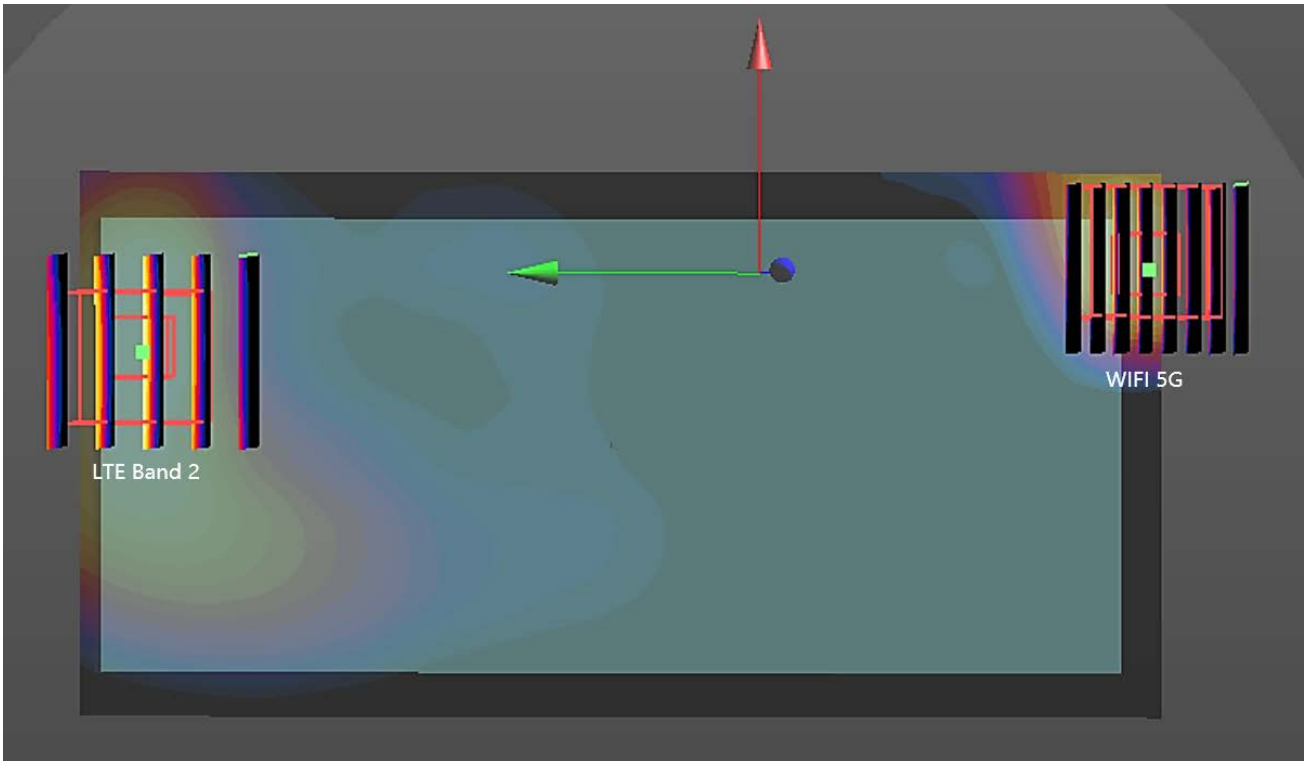
	Band	Position	1g SAR (W/kg)	Gap	SAR peak location(mm)			Peak SAR Separation Distance (mm)	Summed SAR (W/kg)	SPLS Ratio	Simultaneous SAR
				(mm)	X	Y	Z				
No.2	WCDMA Band II	Rear	1.103	10	15.00	82.50	-2.86	169.85	1.620	0.012	No required
	WIFI 5G		0.517	10	28.60	-86.80	-2.79				



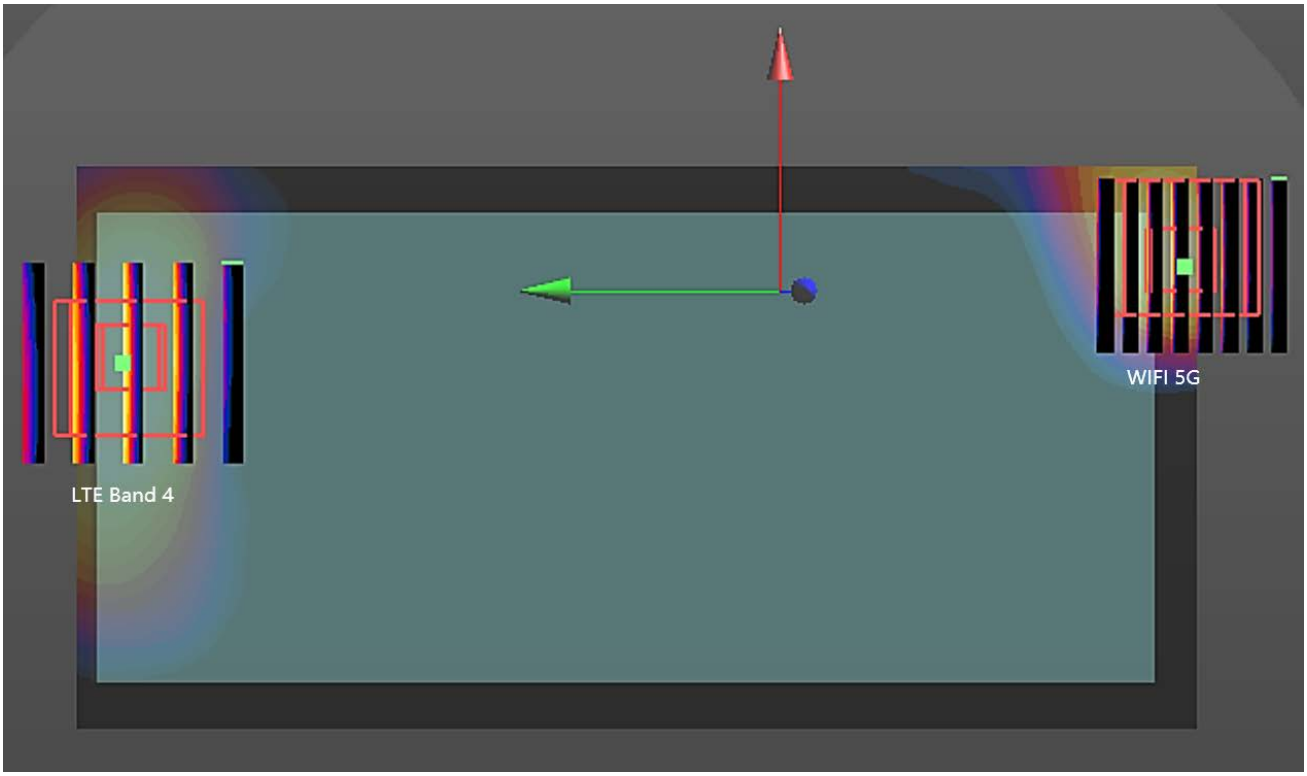
	Band	Position	1g SAR (W/kg)	Gap	SAR peak location(mm)			Peak SAR Separation Distance (mm)	Summed SAR (W/kg)	SPLS Ratio	Simultaneous SAR
				(mm)	X	Y	Z				
No.1	WCDMA Band IV	Rear	1.133	10	13.60	84.00	-2.87	171.46	1.650	0.012	No required
	WIFI 5G		0.517	10	28.60	-86.80	-2.79				



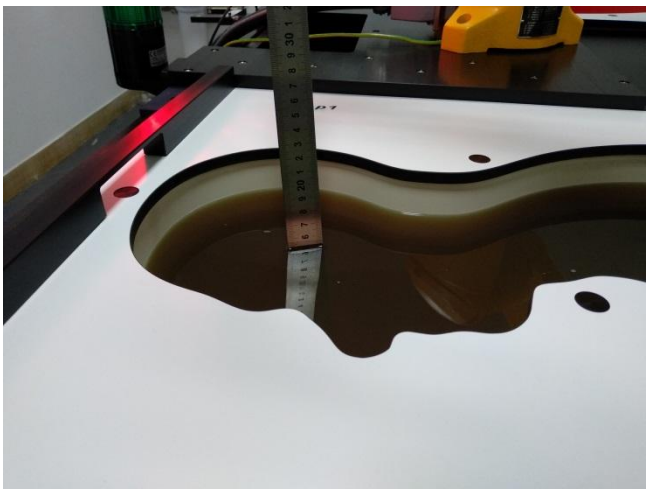
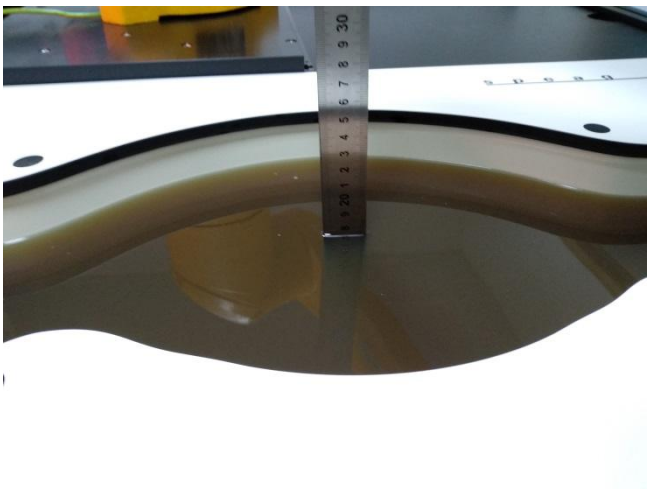
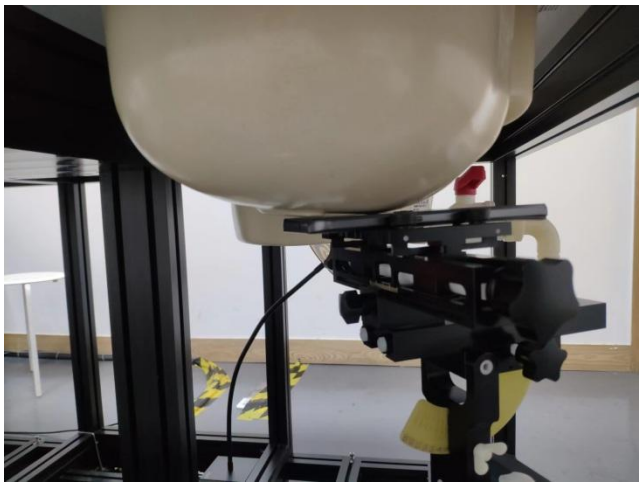
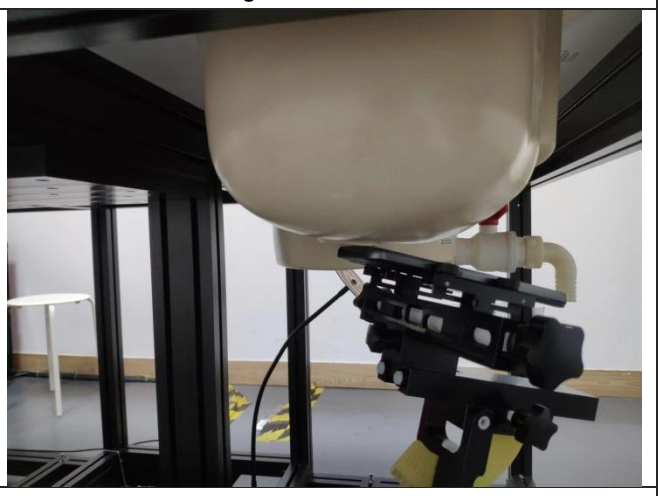
	Band	Position	1g SAR (W/kg)	Gap	SAR peak location(mm)			Peak SAR Separation Distance (mm)	Summed SAR (W/kg)	SPLS Ratio	Simultaneous SAR
				(mm)	X	Y	Z				
No.1	LTE Band 2	Rear	1.115	10	18.20	79.50	-2.89	166.62	1.632	0.013	No required
	WIFI 5G		0.517	10	28.60	-86.80	-2.79				

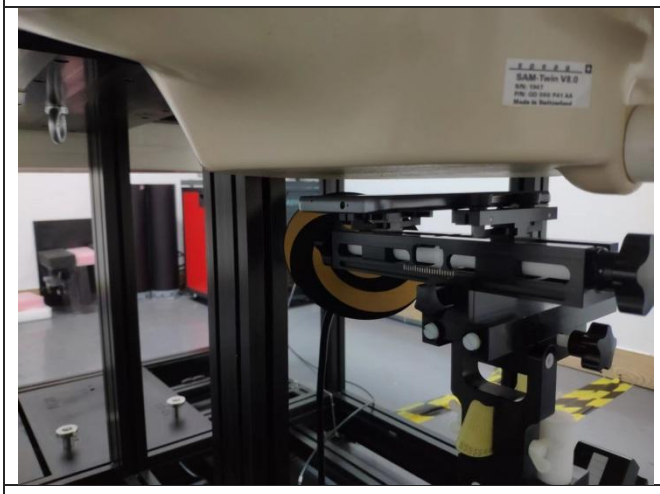
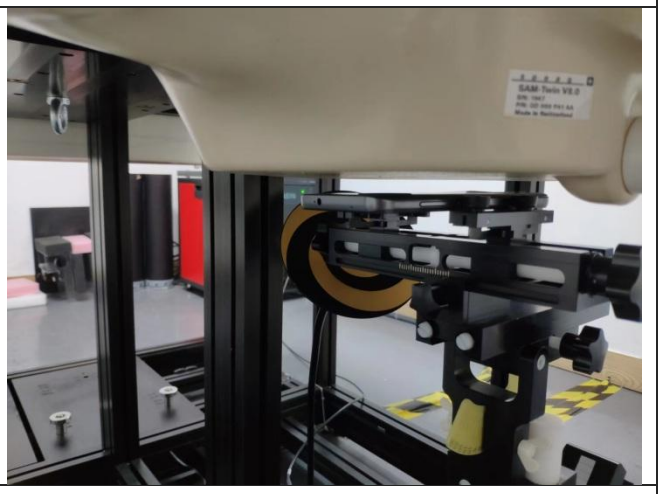


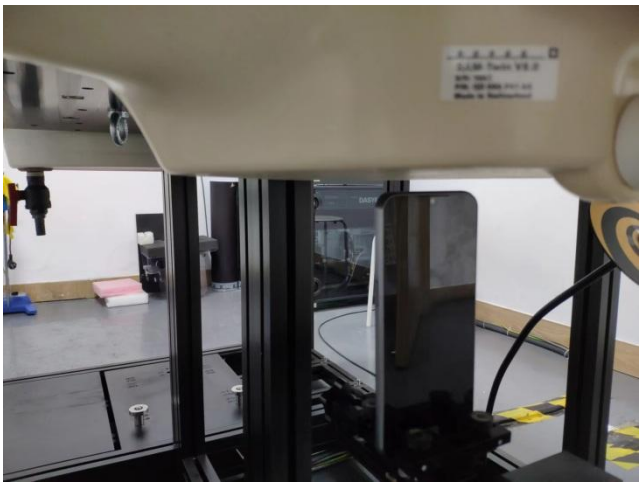
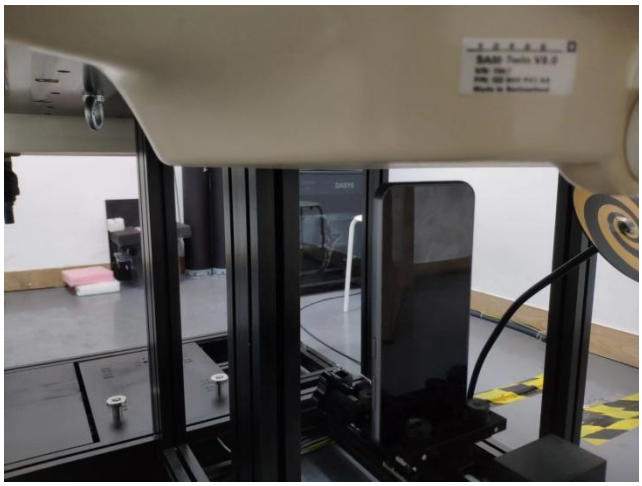
	Band	Position	1g SAR (W/kg)	Gap	SAR peak location(mm)			Peak SAR Separation Distance (mm)	Summed SAR (W/kg)	SPLS Ratio	Simultaneous SAR
				(mm)	X	Y	Z				
No.1	LTE Band 4	Rear	1.083	10	15.10	79.30	-2.91	166.65	1.600	0.010	No required
	WIFI 5G		0.517	10	28.60	-86.80	-2.79				



17. Test Setup Photos

	
Liquid depth in the Head phantom	Liquid depth in the Body phantom
	
Left Head Touch	Right Head Touch
	
Left Head Tilt (15°)	Right Head Tilt (15°)

	
Front (10mm)	Rear(10mm)
	
Front (14mm)	Rear (12mm)
	
Left Side (10mm)	Right Side (10mm)

	
Top Side (10mm)	Bottom Side (10mm)
	
Rear (18mm)	

18. External and Internal Photos of the EUT

Please reference to the report No.: CHTEW22120050

---------End of Report----------

Project No.	SHT2208214103EW		
Test sample No.	YPHT22082141012	Model No.	SF650
Start test date	2022/11/22	Finish date	2023/1/4
Temperature	22.4℃	Humidity	48%
Test Engineer	Bo Wang	Auditor	Xiaodong Zhao

Appendix clause	Test Item	Result
A	Conducted Power Measurement Results	PASS
B	SAR Measurement Results	PASS
C	Simultaneous Transmission analysis	PASS

Appendix A:Conducted Power Measurement Results-GSM

GSM850 (Full power)		Burst Average Power (dBm)			Tune-up limit (dBm)	Division Factors	Frame-Average Power (dBm)			Tune-up limit (dBm)
		CH128	CH190	CH251			CH128	CH190	CH251	
		824.2MHz	836.6MHz	848.8MHz			824.2MHz	836.6MHz	848.8MHz	
GSM		34.55	34.61	34.42	35.50	-9.03	25.52	25.58	25.39	26.47
GPRS (GMSK)	1Tx slot	34.28	34.03	33.75	35.00	-9.03	25.25	25.00	24.72	25.97
	2Tx slots	33.60	33.65	33.30	34.50	-6.02	27.58	27.63	27.28	28.48
	3Tx slots	31.91	31.95	31.62	32.50	-4.26	27.65	27.69	27.36	28.24
	4Tx slots	30.70	30.76	30.59	31.50	-3.01	27.69	27.75	27.58	28.49
EGPRS (8PSK)	1Tx slot	29.01	28.49	28.53	30.00	-9.03	19.98	19.46	19.50	20.97
	2Tx slots	27.98	27.55	27.35	28.50	-6.02	21.96	21.53	21.33	22.48
	3Tx slots	25.62	25.33	25.27	26.50	-4.26	21.36	21.07	21.01	22.24
	4Tx slots	23.51	23.28	23.37	24.50	-3.01	20.50	20.27	20.36	21.49

GSM1900 (Full power)		Burst Average Power (dBm)			Tune-up limit (dBm)	Division Factors	Frame-Average Power (dBm)			Tune-up limit (dBm)
		CH512	CH661	CH810			CH512	CH661	CH810	
		1850.2MHz	1880MHz	1909.8MHz			1850.2MHz	1880.0MHz	1909.8MHz	
GSM		29.72	29.90	29.84	30.50	-9.03	20.69	20.87	20.81	21.47
GPRS (GMSK)	1Tx slot	29.71	29.82	29.88	30.50	-9.03	20.68	20.79	20.85	21.47
	2Tx slots	29.00	29.17	29.24	30.00	-6.02	22.98	23.15	23.22	23.98
	3Tx slots	27.28	27.45	27.50	28.50	-4.26	23.02	23.19	23.24	24.24
	4Tx slots	26.19	26.35	26.38	27.00	-3.01	23.18	23.34	23.37	23.99
EGPRS (8PSK)	1Tx slot	25.77	24.66	24.97	26.50	-9.03	16.74	15.63	15.94	17.47
	2Tx slots	24.61	24.21	24.38	25.50	-6.02	18.59	18.19	18.36	19.48
	3Tx slots	22.46	22.03	22.22	23.00	-4.26	18.20	17.77	17.96	18.74
	4Tx slots	21.14	20.64	20.85	22.00	-3.01	18.13	17.63	17.84	18.99

Appendix A:Conducted Power Measurement Results-GSM

GSM850 (Reduced power)		Burst Average Power (dBm)			Tune-up limit (dBm)	Division Factors	Frame-Average Power (dBm)			Tune-up limit (dBm)
		CH128	CH190	CH251			CH128	CH190	CH251	
		824.2MHz	836.6MHz	848.8MHz			824.2MHz	836.6MHz	848.8MHz	
GSM		33.55	33.61	33.42	34.50	-9.03	24.52	24.58	24.39	25.47
GPRS (GMSK)	1Tx slot	33.28	33.03	32.75	34.00	-9.03	24.25	24.00	23.72	24.97
	2Tx slots	32.60	32.65	32.30	33.50	-6.02	26.58	26.63	26.28	27.48
	3Tx slots	30.91	30.95	30.62	31.50	-4.26	26.65	26.69	26.36	27.24
	4Tx slots	29.70	29.76	29.59	30.50	-3.01	26.69	26.75	26.58	27.49
EGPRS (8PSK)	1Tx slot	28.01	27.49	27.53	29.00	-9.03	18.98	18.46	18.50	19.97
	2Tx slots	26.98	26.55	26.35	27.50	-6.02	20.96	20.53	20.33	21.48
	3Tx slots	24.62	24.33	24.27	25.50	-4.26	20.36	20.07	20.01	21.24
	4Tx slots	22.51	22.28	22.37	23.50	-3.01	19.50	19.27	19.36	20.49

GSM1900 (Reduced power)		Burst Average Power (dBm)			Tune-up limit (dBm)	Division Factors	Frame-Average Power (dBm)			Tune-up limit (dBm)
		CH512	CH661	CH810			CH512	CH661	CH810	
		1850.2MHz	1880MHz	1909.8MHz			1850.2MHz	1880.0MHz	1909.8MHz	
GSM		28.22	28.40	28.34	29.00	-9.03	19.19	19.37	19.31	19.97
GPRS (GMSK)	1Tx slot	28.21	28.32	28.38	29.00	-9.03	19.18	19.29	19.35	19.97
	2Tx slots	27.50	27.67	27.74	28.50	-6.02	21.48	21.65	21.72	22.48
	3Tx slots	25.78	25.95	26.00	27.00	-4.26	21.52	21.69	21.74	22.74
	4Tx slots	24.69	24.85	24.88	25.50	-3.01	21.68	21.84	21.87	22.49
EGPRS (8PSK)	1Tx slot	24.27	23.16	23.47	25.00	-9.03	15.24	14.13	14.44	15.97
	2Tx slots	23.11	22.71	22.88	24.00	-6.02	17.09	16.69	16.86	17.98
	3Tx slots	20.96	20.53	20.72	21.50	-4.26	16.70	16.27	16.46	17.24
	4Tx slots	19.64	19.14	19.35	20.50	-3.01	16.63	16.13	16.34	17.49

Appendix A:Conducted Power Measurement Results-WCDMA

WCDMA Band II (Full power)		Conducted Power (dBm)			Tune-up limit (dBm)
		CH9262	CH9400	CH9538	
		1852.4MHz	1880MHz	1907.6MHz	
AMR 12.2K		22.60	22.73	22.70	23.50
RMC 12.2K		22.63	22.76	22.73	23.50
HSDPA	Subtest-1	21.45	21.72	21.65	22.50
	Subtest-2	20.92	21.19	21.05	22.00
	Subtest-3	20.98	21.24	21.13	22.00
	Subtest-4	21.06	21.25	21.10	22.00
HSUPA	Subtest-1	19.60	20.01	20.15	21.00
	Subtest-2	20.22	20.53	20.66	21.50
	Subtest-3	20.92	21.07	21.17	22.00
	Subtest-4	19.87	20.11	20.20	21.00
	Subtest-5	21.83	22.07	22.12	23.00

WCDMA Band IV (Full power)		Conducted Power (dBm)			Tune-up limit (dBm)
		CH1312	CH1413	CH1513	
		1712.4MHz	1732.6MHz	1752.6MHz	
AMR 12.2K		23.77	23.82	23.45	24.50
RMC 12.2K		23.81	23.86	23.49	24.50
HSDPA	Subtest-1	22.45	22.44	22.51	23.50
	Subtest-2	21.81	21.78	21.84	22.50
	Subtest-3	21.94	21.80	21.86	22.50
	Subtest-4	21.82	21.79	21.95	22.50
HSUPA	Subtest-1	20.75	20.74	20.71	21.50
	Subtest-2	21.32	21.24	21.14	22.00
	Subtest-3	21.82	21.72	21.64	22.50
	Subtest-4	20.85	20.69	20.72	21.50
	Subtest-5	22.82	22.67	22.64	23.50

WCDMA Band V		Conducted Power (dBm)			Tune-up limit (dBm)
		CH4132	CH4183	CH4233	
		826.4MHz	836.6MHz	846.6MHz	
AMR 12.2K		23.27	23.30	23.06	24.00
RMC 12.2K		23.30	23.34	23.09	24.00
HSDPA	Subtest-1	22.35	22.27	22.02	23.00
	Subtest-2	21.77	21.83	21.56	22.50
	Subtest-3	21.78	21.86	21.57	22.50
	Subtest-4	21.81	21.83	21.55	22.50
HSUPA	Subtest-1	20.54	20.64	20.67	21.50
	Subtest-2	21.00	21.15	21.64	22.50
	Subtest-3	22.16	21.67	21.44	23.00
	Subtest-4	21.52	21.43	21.39	22.50
	Subtest-5	22.59	22.38	22.42	23.50

Appendix A:Conducted Power Measurement Results-WCDMA

WCDMA Band II (Reduced power)		Conducted Power (dBm)			Tune-up limit (dBm)
		CH9262	CH9400	CH9538	
		1852.4MHz	1880MHz	1907.6MHz	
AMR 12.2K		20.60	20.73	20.70	21.50
RMC 12.2K		20.63	20.76	20.73	21.50
HSDPA	Subtest-1	19.45	19.72	19.65	20.50
	Subtest-2	18.92	19.19	19.05	20.00
	Subtest-3	18.98	19.24	19.13	20.00
	Subtest-4	19.06	19.25	19.10	20.00
HSUPA	Subtest-1	17.60	18.01	18.15	19.00
	Subtest-2	18.22	18.53	18.66	19.50
	Subtest-3	18.92	19.07	19.17	20.00
	Subtest-4	17.87	18.11	18.20	19.00
	Subtest-5	19.83	20.07	20.12	21.00

WCDMA Band IV (Reduced power)		Conducted Power (dBm)			Tune-up limit (dBm)
		CH1312	CH1413	CH1513	
		1712.4MHz	1732.6MHz	1752.6MHz	
AMR 12.2K		22.27	22.32	21.95	23.00
RMC 12.2K		22.31	22.36	21.99	23.00
HSDPA	Subtest-1	20.95	20.94	21.01	22.00
	Subtest-2	20.31	20.28	20.34	21.00
	Subtest-3	20.44	20.30	20.36	21.00
	Subtest-4	20.32	20.29	20.45	21.00
HSUPA	Subtest-1	19.25	19.24	19.21	20.00
	Subtest-2	19.82	19.74	19.64	20.50
	Subtest-3	20.32	20.22	20.14	21.00
	Subtest-4	19.35	19.19	19.22	20.00
	Subtest-5	21.32	21.17	21.14	22.00

Appendix A:Conducted Power Measurement Results-LTE

LTE-FDD Band 2 (Full power)				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width (MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	23.34	23.58	23.46	24.50
			2	23.35	23.59	23.47	
			5	23.24	23.48	23.36	
		3	0	23.30	23.54	23.42	24.50
			1	23.29	23.53	23.41	
			3	23.33	23.57	23.45	
		6	0	22.34	22.57	22.45	23.50
	16QAM	1	0	22.35	22.58	22.46	23.50
			2	22.51	22.74	22.62	
			5	22.30	22.53	22.41	
		3	0	22.18	22.41	22.29	23.00
			1	22.19	22.42	22.30	
			3	22.19	22.42	22.30	
		6	0	21.21	21.43	21.32	22.00
	64QAM	1	0	21.83	22.02	21.88	23.00
			2	21.98	22.17	22.03	
			5	21.83	22.02	21.88	
		3	0	21.79	21.98	21.84	22.50
			1	21.80	21.99	21.85	
			3	21.78	21.97	21.83	
		6	0	20.64	20.82	20.69	21.50
3	QPSK	1	0	23.32	23.56	23.44	24.50
			8	23.35	23.59	23.47	
			14	23.30	23.54	23.42	
		8	0	22.41	22.64	22.52	23.50
			4	22.40	22.63	22.51	
			7	22.39	22.62	22.50	
		15	0	22.30	22.53	22.41	23.50
	16QAM	1	0	22.21	22.44	22.32	23.00
			8	22.26	22.49	22.37	
			14	22.20	22.43	22.31	
		8	0	21.37	21.59	21.48	22.50
			4	21.40	21.62	21.51	
			7	21.36	21.58	21.47	
		15	0	21.24	21.46	21.35	22.00
	64QAM	1	0	21.96	22.15	22.01	23.00
			8	21.67	21.86	21.72	
			14	21.66	21.85	21.71	
		8	0	20.85	21.03	20.90	22.00
			4	20.85	21.03	20.90	
			7	20.81	20.99	20.86	
		15	0	20.90	21.08	20.95	22.00

5	QPSK	1	0	23.33	23.57	23.45	24.50
			12	23.47	23.71	23.59	
			24	23.34	23.58	23.46	
		12	0	22.37	22.60	22.48	23.50
			6	22.33	22.56	22.44	
			13	22.35	22.58	22.46	
		25	0	22.34	22.57	22.45	23.50
	16QAM	1	0	22.30	22.53	22.41	23.50
			12	22.42	22.65	22.53	
			24	22.30	22.53	22.41	
		12	0	21.35	21.57	21.46	22.50
			6	21.34	21.56	21.45	
			13	21.33	21.55	21.44	
		25	0	21.39	21.61	21.50	22.50
	64QAM	1	0	22.03	22.22	22.08	23.00
			12	22.19	22.38	22.24	
			24	22.01	22.20	22.06	
		12	0	20.93	21.11	20.98	22.00
			6	20.89	21.07	20.94	
			13	20.92	21.10	20.97	
		25	0	20.95	21.13	21.00	22.00
10	QPSK	1	0	23.28	23.52	23.40	24.50
			24	23.45	23.69	23.57	
			49	23.31	23.55	23.43	
		25	0	22.33	22.56	22.44	23.50
			12	22.29	22.52	22.40	
			25	22.27	22.50	22.38	
		50	0	22.30	22.53	22.41	23.50
	16QAM	1	0	22.16	22.39	22.28	23.50
			24	22.31	22.54	22.42	
			49	22.20	22.43	22.31	
		25	0	21.34	21.56	21.45	22.50
			12	21.31	21.53	21.42	
			25	21.33	21.55	21.44	
		50	0	21.27	21.49	21.38	22.00
	64QAM	1	0	22.11	22.30	22.16	23.00
			24	22.26	22.45	22.31	
			49	22.13	22.32	22.18	
		25	0	20.98	21.16	21.03	22.00
			12	20.98	21.16	21.03	
			25	20.93	21.11	20.98	
		50	0	20.97	21.15	21.02	22.00

15	QPSK	1	0	23.21	23.45	23.33	24.50
			38	23.29	23.53	23.41	
			74	23.18	23.42	23.30	
		38	0	22.16	22.39	22.28	23.00
			18	22.17	22.40	22.28	
			37	22.11	22.34	22.23	
		75	0	22.32	22.55	22.43	23.50
	16QAM	1	0	22.14	22.37	22.26	23.00
			38	22.16	22.39	22.28	
			74	22.04	22.27	22.16	
		38	0	22.14	22.37	22.26	23.00
			18	22.19	22.42	22.30	
			37	22.05	22.28	22.17	
		75	0	21.29	21.51	21.40	22.50
	64QAM	1	0	22.14	22.33	22.19	23.00
			38	22.26	22.45	22.31	
			74	22.09	22.28	22.14	
		38	0	22.18	22.37	22.23	23.00
			18	22.26	22.45	22.31	
			37	22.11	22.30	22.16	
		75	0	20.98	21.16	21.03	22.00
20	QPSK	1	0	23.00	23.24	23.12	24.50
			49	23.31	23.55	23.43	
			99	23.00	23.24	23.12	
		50	0	22.12	22.35	22.24	23.00
			25	22.16	22.39	22.28	
			50	22.05	22.28	22.17	
		100	0	22.07	22.30	22.19	23.00
	16QAM	1	0	22.14	22.37	22.26	23.00
			49	22.22	22.45	22.33	
			99	22.09	22.32	22.21	
		50	0	21.15	21.37	21.26	22.00
			25	21.17	21.39	21.28	
			50	21.12	21.34	21.23	
		100	0	21.08	21.30	21.19	22.00
	64QAM	1	0	21.81	22.00	21.86	23.00
			49	21.96	22.15	22.01	
			99	21.76	21.95	21.81	
		50	0	20.95	21.13	21.00	22.00
			25	21.02	21.20	21.07	
			50	20.92	21.10	20.97	
		100	0	20.92	21.10	20.97	22.00

LTE-FDD Band 4 (Full power)				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	23.83	23.89	23.70	25.00
			2	23.97	24.03	23.84	
			5	23.82	23.88	23.69	
		3	0	23.90	23.96	23.77	25.00
			1	23.91	23.97	23.78	
			3	23.95	24.01	23.82	
		6	0	22.80	22.86	22.68	23.50
	16QAM	1	0	22.94	23.00	22.82	24.00
			2	23.17	23.23	23.05	
			5	23.02	23.08	22.90	
		3	0	22.83	22.89	22.71	23.50
			1	22.83	22.89	22.71	
			3	22.74	22.80	22.62	
		6	0	21.69	21.74	21.57	22.50
	64QAM	1	0	22.76	22.95	22.78	24.00
			2	22.98	23.17	23.00	
			5	22.84	23.03	22.86	
		3	0	22.73	22.92	22.75	23.50
			1	22.79	22.98	22.81	
			3	22.77	22.96	22.79	
		6	0	21.78	21.96	21.79	22.50
3	QPSK	1	0	24.04	24.10	23.91	25.00
			8	23.97	24.03	23.84	
			14	23.99	24.05	23.86	
		8	0	22.97	23.03	22.85	24.00
			4	22.99	23.05	22.87	
			7	22.98	23.04	22.86	
		15	0	22.95	23.01	22.83	24.00
	16QAM	1	0	22.91	22.97	22.79	24.00
			8	22.87	22.93	22.75	
			14	22.94	23.00	22.82	
		8	0	22.02	22.07	21.90	23.00
			4	22.03	22.08	21.91	
			7	22.03	22.08	21.91	
		15	0	21.90	21.95	21.78	22.50
	64QAM	1	0	23.10	23.29	23.11	24.00
			8	22.75	22.94	22.77	
			14	22.75	22.94	22.77	
		8	0	21.80	21.98	21.81	23.00
			4	21.85	22.03	21.86	
			7	21.81	21.99	21.82	
		15	0	21.87	22.05	21.88	23.00

5	QPSK	1	0	24.00	24.06	23.87	25.00
			12	24.07	24.13	23.94	
			24	24.03	24.09	23.90	
		12	0	22.94	23.00	22.82	24.00
			6	22.94	23.00	22.82	
			13	22.92	22.98	22.80	
		25	0	22.98	23.04	22.86	24.00
	16QAM	1	0	22.97	23.03	22.85	24.00
			12	23.08	23.14	22.96	
			24	22.96	23.02	22.84	
		12	0	22.02	22.07	21.90	23.00
			6	21.95	22.00	21.83	
			13	21.97	22.02	21.85	
		25	0	22.01	22.06	21.89	23.00
	64QAM	1	0	22.74	22.93	22.76	24.00
			12	22.85	23.04	22.87	
			24	22.73	22.92	22.75	
		12	0	21.89	22.07	21.90	23.00
			6	21.90	22.08	21.91	
			13	21.93	22.11	21.94	
		25	0	21.92	22.10	21.93	23.00
10	QPSK	1	0	23.89	23.95	23.76	25.00
			24	24.03	24.09	23.90	
			49	23.91	23.97	23.78	
		25	0	22.97	23.03	22.85	24.00
			12	22.96	23.02	22.84	
			25	22.96	23.02	22.84	
		50	0	22.93	22.99	22.81	23.50
	16QAM	1	0	22.84	22.90	22.72	24.00
			24	23.00	23.06	22.88	
			49	22.81	22.87	22.69	
		25	0	22.02	22.07	21.90	23.00
			12	22.03	22.08	21.91	
			25	22.04	22.09	21.92	
		50	0	21.95	22.00	21.83	23.00
	64QAM	1	0	23.08	23.27	23.09	24.00
			24	23.28	23.47	23.29	
			49	23.10	23.29	23.11	
		25	0	21.92	22.10	21.93	23.00
			12	21.93	22.11	21.94	
			25	21.93	22.11	21.94	
		50	0	21.91	22.09	21.92	23.00

15	QPSK	1	0	23.84	23.90	23.71	24.50
			38	23.85	23.91	23.72	
			74	23.73	23.79	23.60	
		38	0	23.00	23.06	22.88	24.00
			18	23.10	23.16	22.98	
			37	22.96	23.02	22.84	
		75	0	22.95	23.01	22.83	24.00
	16QAM	1	0	23.00	23.06	22.88	24.00
			38	23.10	23.16	22.98	
			74	22.92	22.98	22.80	
		38	0	22.98	23.04	22.86	24.00
			18	23.05	23.11	22.93	
			37	22.96	23.02	22.84	
		75	0	21.88	21.93	21.76	22.50
	64QAM	1	0	23.10	23.29	23.11	24.00
			38	23.21	23.40	23.22	
			74	23.09	23.28	23.10	
		38	0	23.08	23.27	23.09	24.00
			18	23.19	23.38	23.20	
			37	23.07	23.26	23.09	
		75	0	21.93	22.11	21.94	23.00
20	QPSK	1	0	23.74	23.80	23.61	25.00
			49	23.98	24.04	23.85	
			99	23.69	23.75	23.56	
		50	0	22.91	22.97	22.79	23.50
			25	22.90	22.96	22.78	
			50	22.88	22.94	22.76	
		100	0	22.89	22.95	22.77	23.50
	16QAM	1	0	22.79	22.85	22.67	24.00
			49	23.06	23.12	22.94	
			99	22.83	22.89	22.71	
		50	0	21.99	22.04	21.87	23.00
			25	21.98	22.03	21.86	
			50	21.96	22.01	21.84	
		100	0	21.88	21.93	21.76	22.50
	64QAM	1	0	22.75	22.94	22.77	24.00
			49	22.94	23.13	22.96	
			99	22.74	22.93	22.76	
		50	0	21.97	22.15	21.98	23.00
			25	21.98	22.16	21.99	
			50	22.00	22.18	22.01	
		100	0	21.95	22.13	21.96	23.00

LTE-FDD Band 5				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	23.28	23.48	23.33	24.50
			2	23.41	23.61	23.46	
			5	23.51	23.71	23.56	
		3	0	23.64	23.84	23.69	24.50
			1	23.64	23.84	23.69	
			3	23.65	23.85	23.70	
		6	0	22.56	22.75	22.61	23.50
	16QAM	1	0	22.53	22.72	22.58	23.50
			2	22.68	22.88	22.74	
			5	22.69	22.89	22.75	
		3	0	22.56	22.75	22.61	23.50
			1	22.55	22.74	22.60	
			3	22.47	22.66	22.52	
		6	0	21.28	21.46	21.33	22.00
	64QAM	1	0	22.26	22.49	22.08	23.50
			2	22.27	22.50	22.09	
			5	22.23	22.46	22.05	
		3	0	22.17	22.40	21.99	23.00
			1	22.17	22.40	21.99	
			3	22.14	22.37	21.96	
		6	0	21.14	21.36	20.97	22.00
3	QPSK	1	0	23.40	23.60	23.45	24.50
			8	23.56	23.76	23.61	
			14	23.49	23.69	23.54	
		8	0	22.54	22.73	22.59	23.50
			4	22.54	22.73	22.59	
			7	22.56	22.75	22.61	
		15	0	22.51	22.70	22.56	23.50
	16QAM	1	0	22.48	22.67	22.53	23.50
			8	22.46	22.65	22.51	
			14	22.42	22.61	22.47	
		8	0	21.56	21.75	21.61	22.50
			4	21.54	21.73	21.59	
			7	21.57	21.76	21.62	
		15	0	21.49	21.68	21.55	22.50
	64QAM	1	0	22.48	22.71	22.29	23.50
			8	22.32	22.55	22.13	
			14	22.26	22.49	22.08	
		8	0	21.35	21.57	21.17	22.50
			4	21.35	21.57	21.17	
			7	21.35	21.57	21.17	
		15	0	21.32	21.54	21.14	22.50

5	QPSK	1	0	23.29	23.49	23.34	24.50
			12	23.59	23.79	23.64	
			24	23.42	23.62	23.47	
		12	0	22.46	22.65	22.51	23.50
			6	22.49	22.68	22.54	
			13	22.46	22.65	22.51	
		25	0	22.52	22.71	22.57	23.50
	16QAM	1	0	22.45	22.64	22.50	23.50
			12	22.60	22.79	22.65	
			24	22.47	22.66	22.52	
		12	0	21.50	21.69	21.55	22.50
			6	21.50	21.69	21.55	
			13	21.48	21.67	21.54	
		25	0	21.58	21.77	21.63	22.50
	64QAM	1	0	22.51	22.74	22.32	23.50
			12	22.68	22.91	22.49	
			24	22.49	22.72	22.30	
		12	0	21.39	21.61	21.21	22.50
			6	21.37	21.59	21.19	
			13	21.36	21.58	21.18	
		25	0	21.37	21.59	21.19	22.50
10	QPSK	1	0	23.31	23.51	23.36	24.50
			24	23.50	23.70	23.55	
			49	23.40	23.60	23.45	
		25	0	22.60	22.79	22.65	23.50
			12	22.58	22.77	22.63	
			25	22.52	22.71	22.57	
		50	0	22.54	22.73	22.59	23.50
	16QAM	1	0	22.64	22.83	22.69	23.50
			24	22.73	22.93	22.79	
			49	22.55	22.74	22.60	
		25	0	21.59	21.78	21.64	22.50
			12	21.58	21.77	21.63	
			25	21.51	21.70	21.56	
		50	0	21.52	21.71	21.57	22.50
	64QAM	1	0	22.42	22.65	22.23	23.50
			24	22.56	22.79	22.37	
			49	22.55	22.78	22.36	
		25	0	21.39	21.61	21.21	22.50
			12	21.38	21.60	21.20	
			25	21.37	21.59	21.19	
		50	0	21.38	21.60	21.20	22.50

LTE-FDD Band 7 (Full power)				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
5	QPSK	1	0	23.07	23.23	23.11	24.00
			12	23.25	23.41	23.29	
			24	23.03	23.19	23.07	
		12	0	22.09	22.25	22.13	23.00
			6	22.09	22.25	22.13	
			13	22.12	22.28	22.16	
		25	0	22.07	22.23	22.11	23.00
	16QAM	1	0	22.06	22.22	22.10	23.00
			12	22.24	22.40	22.28	
			24	22.09	22.25	22.13	
		12	0	21.12	21.27	21.16	22.00
			6	21.15	21.30	21.19	
			13	21.12	21.27	21.16	
		25	0	21.19	21.34	21.23	22.00
	64QAM	1	0	22.15	22.43	22.01	23.50
			12	22.34	22.62	22.20	
			24	22.13	22.41	21.99	
		12	0	20.75	21.01	20.62	22.00
			6	20.73	20.99	20.60	
			13	20.74	21.00	20.61	
		25	0	20.72	20.98	20.59	21.50
10	QPSK	1	0	23.06	23.22	23.10	24.00
			24	23.25	23.41	23.29	
			49	23.09	23.25	23.13	
		25	0	22.12	22.28	22.16	23.00
			12	22.15	22.31	22.19	
			25	22.17	22.33	22.21	
		50	0	22.12	22.28	22.16	23.00
	16QAM	1	0	21.99	22.15	22.03	23.00
			24	22.17	22.33	22.21	
			49	21.97	22.13	22.01	
		25	0	21.20	21.35	21.24	22.00
			12	21.22	21.37	21.26	
			25	21.22	21.37	21.26	
		50	0	21.15	21.30	21.19	22.00
	64QAM	1	0	21.87	22.14	21.73	23.00
			24	22.04	22.31	21.89	
			49	21.87	22.14	21.73	
		25	0	20.72	20.98	20.59	21.50
			12	20.69	20.95	20.56	
			25	20.71	20.97	20.58	
		50	0	20.69	20.95	20.56	21.50

15	QPSK	1	0	23.07	23.23	23.11	24.00
			38	23.15	23.31	23.19	
			74	23.04	23.20	23.08	
		38	0	21.96	22.12	22.00	23.00
			18	22.07	22.23	22.11	
			37	21.91	22.07	21.95	
		75	0	22.20	22.36	22.24	23.00
	16QAM	1	0	21.98	22.14	22.02	23.00
			38	22.08	22.24	22.12	
			74	21.94	22.10	21.98	
		38	0	21.92	22.08	21.96	23.00
			18	22.05	22.21	22.09	
			37	21.92	22.08	21.96	
		75	0	21.16	21.31	21.20	22.00
	64QAM	1	0	21.86	22.13	21.72	23.00
			38	21.95	22.22	21.81	
			74	21.84	22.11	21.70	
		38	0	21.82	22.09	21.68	23.00
			18	21.93	22.20	21.79	
			37	21.84	22.11	21.70	
		75	0	20.67	20.93	20.54	21.50
20	QPSK	1	0	22.86	23.02	22.90	24.00
			49	23.22	23.38	23.26	
			99	22.92	23.08	22.96	
		50	0	22.12	22.28	22.16	23.00
			25	22.15	22.31	22.19	
			50	22.16	22.32	22.20	
		100	0	22.16	22.32	22.20	23.00
	16QAM	1	0	22.00	22.16	22.04	23.50
			49	22.35	22.51	22.39	
			99	22.05	22.21	22.09	
		50	0	21.27	21.42	21.31	22.00
			25	21.24	21.39	21.28	
			50	21.26	21.41	21.30	
		100	0	21.20	21.35	21.24	22.00
	64QAM	1	0	21.45	21.72	21.32	22.50
			49	21.67	21.94	21.53	
			99	21.51	21.78	21.37	
		50	0	20.68	20.94	20.55	21.50
			25	20.67	20.93	20.54	
			50	20.73	20.99	20.60	
		100	0	20.73	20.99	20.60	21.50

LTE-FDD Band 12				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	23.40	23.54	23.34	24.50
			2	23.47	23.61	23.41	
			5	23.37	23.51	23.31	
		3	0	23.44	23.58	23.38	24.50
			1	23.45	23.59	23.39	
			3	23.50	23.64	23.44	
		6	0	22.56	22.69	22.50	23.50
	16QAM	1	0	22.53	22.66	22.47	23.50
			2	22.69	22.82	22.63	
			5	22.55	22.68	22.49	
		3	0	22.42	22.55	22.36	23.50
			1	22.39	22.52	22.33	
			3	22.46	22.59	22.40	
		6	0	21.42	21.55	21.37	22.50
	64QAM	1	0	21.89	22.28	21.94	23.00
			2	21.93	22.32	21.98	
			5	21.79	22.17	21.83	
		3	0	21.61	21.99	21.66	23.00
			1	21.62	22.00	21.67	
			3	21.65	22.03	21.70	
		6	0	20.43	20.79	20.48	21.50
3	QPSK	1	0	23.32	23.46	23.26	24.50
			8	23.36	23.50	23.30	
			14	23.29	23.43	23.23	
		8	0	22.36	22.49	22.30	23.50
			4	22.30	22.43	22.24	
			7	22.40	22.53	22.34	
		15	0	22.29	22.42	22.23	23.00
	16QAM	1	0	22.53	22.66	22.47	23.50
			8	22.48	22.61	22.42	
			14	22.44	22.57	22.38	
		8	0	21.36	21.49	21.31	22.50
			4	21.42	21.55	21.37	
			7	21.34	21.47	21.29	
		15	0	21.24	21.36	21.18	22.00
	64QAM	1	0	22.08	22.47	22.13	23.50
			8	22.17	22.56	22.22	
			14	22.07	22.46	22.12	
		8	0	21.17	21.54	21.21	22.50
			4	21.15	21.52	21.19	
			7	21.16	21.53	21.20	
		15	0	21.21	21.58	21.25	22.50

5	QPSK	1	0	23.11	23.25	23.05	24.00
			12	23.24	23.38	23.18	
			24	23.10	23.24	23.04	
		12	0	22.21	22.34	22.15	23.00
			6	22.23	22.36	22.17	
			13	22.23	22.36	22.17	
		25	0	22.20	22.33	22.14	23.00
	16QAM	1	0	22.18	22.31	22.12	23.00
			12	22.31	22.44	22.25	
			24	22.24	22.37	22.18	
		12	0	21.25	21.37	21.19	22.00
			6	21.23	21.35	21.17	
			13	21.24	21.36	21.18	
		25	0	21.27	21.39	21.21	22.00
	64QAM	1	0	22.38	22.78	22.44	23.50
			12	22.52	22.92	22.57	
			24	22.39	22.79	22.45	
		12	0	21.14	21.51	21.18	22.50
			6	21.20	21.57	21.24	
			13	21.16	21.53	21.20	
		25	0	21.16	21.53	21.20	22.50
10	QPSK	1	0	23.20	23.34	23.14	24.00
			24	22.98	23.12	22.92	
			49	23.08	23.22	23.02	
		25	0	22.31	22.44	22.25	23.50
			12	22.39	22.52	22.33	
			25	22.42	22.55	22.36	
		50	0	22.39	22.52	22.33	23.50
	16QAM	1	0	21.94	22.07	21.88	23.00
			24	22.28	22.41	22.22	
			49	22.02	22.15	21.96	
		25	0	21.39	21.52	21.34	22.50
			12	21.40	21.53	21.35	
			25	21.46	21.59	21.41	
		50	0	21.43	21.56	21.38	22.50
	64QAM	1	0	21.86	22.25	21.91	23.00
			24	21.98	22.37	22.03	
			49	21.92	22.31	21.97	
		25	0	20.58	20.94	20.62	22.00
			12	20.55	20.91	20.59	
			25	20.64	21.00	20.68	
		50	0	20.58	20.94	20.62	21.50

LTE-FDD Band 13				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
5	QPSK	1	0	23.17	23.08	23.12	24.00
			12	23.22	23.22	23.19	
			24	23.11	23.09	23.02	
		12	0	22.18	22.17	22.12	23.00
			6	22.21	22.18	22.14	
			13	22.13	22.13	22.13	
		25	0	22.11	22.18	22.12	23.00
	16QAM	1	0	22.12	22.31	22.18	23.00
			12	22.27	22.42	22.20	
			24	22.10	22.26	22.09	
		12	0	21.22	21.28	21.24	22.00
			6	21.23	21.30	21.24	
			13	21.11	21.17	21.22	
		25	0	21.21	21.23	21.29	22.00
	64QAM	1	0	22.03	22.45	22.26	23.50
			12	22.17	22.59	22.40	
			24	21.61	22.02	21.83	
		12	0	20.20	20.59	20.41	21.50
			6	20.26	20.65	20.47	
			13	20.16	20.54	20.37	
		25	0	20.19	20.58	20.40	21.50
10	QPSK	1	0	-	22.90	-	23.50
			24	-	22.98	-	
			49	-	22.47	-	
		25	0	-	21.88	-	23.00
			12	-	22.18	-	
			25	-	22.22	-	
		50	0	-	22.00	-	23.00
	16QAM	1	0	-	21.97	-	22.50
			24	-	21.86	-	
			49	-	21.77	-	
		25	0	-	20.86	-	22.00
			12	-	21.23	-	
			25	-	20.83	-	
		50	0	-	20.96	-	21.50
	64QAM	1	0	-	22.05	-	23.00
			24	-	22.27	-	
			49	-	21.98	-	
		25	0	-	21.06	-	22.00
			12	-	21.17	-	
			25	-	21.18	-	
		50	0	-	21.20	-	22.00

LTE-FDD Band 14				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
5	QPSK	1	0	23.38	23.53	23.33	24.50
			12	23.56	23.71	23.51	
			24	23.38	23.53	23.33	
		12	0	22.53	22.68	22.49	23.50
			6	22.53	22.68	22.49	
			13	22.48	22.63	22.44	
		25	0	22.55	22.70	22.51	23.50
	16QAM	1	0	22.42	22.56	22.37	23.50
			12	22.51	22.66	22.47	
			24	22.43	22.57	22.38	
		12	0	21.59	21.73	21.55	22.50
			6	21.61	21.75	21.57	
			13	21.51	21.65	21.47	
		25	0	21.65	21.79	21.61	22.50
	64QAM	1	0	22.40	22.57	22.23	23.50
			12	22.52	22.69	22.35	
			24	22.38	22.55	22.21	
		12	0	21.65	21.82	21.49	22.50
			6	21.64	21.81	21.48	
			13	21.55	21.71	21.38	
		25	0	21.59	21.76	21.43	22.50
10	QPSK	1	0	-	23.43	-	24.50
			24	-	23.53	-	
			49	-	23.38	-	
		25	0	-	22.62	-	23.50
			12	-	22.63	-	
			25	-	22.48	-	
		50	0	-	22.58	-	23.50
	16QAM	1	0	-	22.54	-	23.50
			24	-	22.60	-	
			49	-	22.16	-	
		25	0	-	21.73	-	22.50
			12	-	21.71	-	
			25	-	21.59	-	
		50	0	-	21.62	-	22.50
	64QAM	1	0	-	22.51	-	23.50
			24	-	22.63	-	
			49	-	22.22	-	
		25	0	-	21.67	-	22.50
			12	-	21.68	-	
			25	-	21.55	-	
		50	0	-	21.62	-	22.50

LTE-FDD Band 66 (Full power)				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	22.43	22.87	22.82	24.00
			2	22.59	23.06	22.93	
			5	22.62	22.85	22.83	
		3	0	22.74	22.95	22.90	23.50
			1	22.79	22.94	22.90	
			3	22.93	22.92	22.92	
		6	0	21.84	21.86	21.85	22.50
	16QAM	1	0	21.57	21.81	21.69	22.50
			2	21.96	21.95	21.88	
			5	21.82	21.66	21.71	
		3	0	21.65	21.77	21.73	22.50
			1	21.85	21.82	21.71	
			3	21.79	21.75	21.70	
		6	0	20.95	20.87	20.81	21.50
	64QAM	1	0	21.13	21.48	21.36	22.50
			2	21.22	21.57	21.45	
			5	21.04	21.39	21.27	
		3	0	21.04	21.39	21.27	22.00
			1	21.05	21.40	21.28	
			3	21.01	21.36	21.24	
		6	0	20.02	20.35	20.24	21.00
3	QPSK	1	0	22.78	22.95	22.91	23.50
			8	22.80	22.91	22.81	
			14	22.86	22.83	22.87	
		8	0	21.77	21.93	21.91	22.50
			4	21.78	21.90	21.91	
			7	21.79	21.95	21.90	
		15	0	21.78	21.89	21.86	22.50
	16QAM	1	0	21.99	21.69	22.01	23.00
			8	21.92	21.80	22.01	
			14	21.92	21.73	22.01	
		8	0	20.87	20.96	20.96	21.50
			4	20.85	20.97	20.95	
			7	20.89	20.93	20.88	
		15	0	20.76	20.84	20.87	21.50
	64QAM	1	0	21.23	21.58	21.46	22.50
			8	20.95	21.30	21.18	
			14	20.98	21.33	21.21	
		8	0	20.08	20.41	20.30	21.00
			4	20.06	20.39	20.28	
			7	20.06	20.39	20.28	
		15	0	20.14	20.47	20.36	21.00

5	QPSK	1	0	22.83	22.90	22.86	24.00
			12	22.95	23.03	22.99	
			24	22.86	22.90	22.80	
		12	0	21.80	21.82	21.92	22.50
			6	21.79	21.87	21.90	
			13	21.85	21.89	21.90	
		25	0	21.87	21.88	21.87	22.50
	16QAM	1	0	22.02	21.90	21.80	23.00
			12	22.16	22.02	21.96	
			24	22.06	21.85	21.86	
		12	0	20.86	20.84	20.94	21.50
			6	20.83	20.81	20.90	
			13	20.95	20.91	20.83	
		25	0	20.91	20.92	20.95	21.50
	64QAM	1	0	20.97	21.32	21.20	22.00
			12	21.09	21.44	21.32	
			24	20.98	21.33	21.21	
		12	0	20.17	20.50	20.39	21.50
			6	20.14	20.47	20.36	
			13	20.20	20.54	20.43	
		25	0	20.17	20.51	20.40	21.50
10	QPSK	1	0	22.75	22.81	22.71	23.50
			24	22.89	22.96	22.92	
			49	22.80	22.82	22.79	
		25	0	21.77	21.79	21.93	22.50
			12	21.80	21.80	21.92	
			25	21.82	21.87	21.80	
		50	0	21.85	21.82	21.83	22.50
	16QAM	1	0	21.90	21.69	21.90	23.00
			24	22.02	21.79	22.06	
			49	21.95	21.72	22.00	
		25	0	20.84	20.88	20.91	21.50
			12	20.87	20.88	20.91	
			25	20.92	20.93	20.79	
		50	0	20.88	20.83	20.81	21.50
	64QAM	1	0	21.35	21.70	21.58	22.50
			24	21.53	21.89	21.77	
			49	21.33	21.68	21.56	
		25	0	20.14	20.47	20.36	21.50
			12	20.10	20.43	20.32	
			25	20.21	20.55	20.44	
		50	0	20.13	20.46	20.35	21.00

15	QPSK	1	0	22.72	22.78	22.70	23.50
			38	22.83	22.86	22.80	
			74	22.69	22.76	22.79	
		38	0	22.01	21.67	21.88	23.00
			18	22.10	21.77	21.99	
			37	22.00	21.64	21.97	
		75	0	21.85	21.86	21.92	22.50
	16QAM	1	0	22.02	21.68	21.91	23.00
			38	22.11	21.77	21.97	
			74	22.05	21.66	21.97	
		38	0	22.06	21.63	21.88	23.00
			18	22.07	21.75	22.01	
			37	22.04	21.64	21.97	
		75	0	20.86	20.83	20.82	21.50
	64QAM	1	0	21.18	21.53	21.41	22.50
			38	20.77	21.12	21.00	
			74	20.75	21.09	20.97	
		38	0	21.23	21.58	21.46	22.50
			18	20.73	21.07	20.95	
			37	20.71	21.05	20.93	
		75	0	20.13	20.46	20.35	21.00
20	QPSK	1	0	22.73	22.57	22.71	23.50
			49	22.89	22.77	22.91	
			99	22.77	22.65	22.84	
		50	0	21.75	21.73	21.83	22.50
			25	21.74	21.71	21.84	
			50	21.79	21.80	21.72	
		100	0	21.67	21.78	21.73	22.50
	16QAM	1	0	21.84	21.63	21.77	23.00
			49	22.13	21.92	21.99	
			99	21.95	21.74	21.87	
		50	0	20.82	20.79	20.83	21.50
			25	20.83	20.80	20.81	
			50	20.78	20.89	20.70	
		100	0	20.74	20.80	20.73	21.50
	64QAM	1	0	21.19	21.54	21.42	22.50
			49	21.50	21.86	21.74	
			99	21.37	21.73	21.61	
		50	0	20.48	20.82	20.71	21.50
			25	20.48	20.82	20.71	
			50	20.58	20.92	20.81	
		100	0	20.58	20.92	20.81	21.50

Appendix A:Conducted Power Measurement Results-LTE

LTE-FDD Band 2 (Reduced power)				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width (MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	21.34	21.58	21.46	22.50
			2	21.35	21.59	21.47	
			5	21.24	21.48	21.36	
		3	0	21.30	21.54	21.42	22.50
			1	21.29	21.53	21.41	
			3	21.33	21.57	21.45	
		6	0	20.34	20.57	20.45	21.50
	16QAM	1	0	20.35	20.58	20.46	21.50
			2	20.51	20.74	20.62	
			5	20.30	20.53	20.41	
		3	0	20.18	20.41	20.29	21.00
			1	20.19	20.42	20.30	
			3	20.19	20.42	20.30	
		6	0	19.21	19.43	19.32	20.00
	64QAM	1	0	19.83	20.02	19.88	21.00
			2	19.98	20.17	20.03	
			5	19.83	20.02	19.88	
		3	0	19.79	19.98	19.84	20.50
			1	19.80	19.99	19.85	
			3	19.78	19.97	19.83	
		6	0	18.64	18.82	18.69	19.50
3	QPSK	1	0	21.32	21.56	21.44	22.50
			8	21.35	21.59	21.47	
			14	21.30	21.54	21.42	
		8	0	20.41	20.64	20.52	21.50
			4	20.40	20.63	20.51	
			7	20.39	20.62	20.50	
		15	0	20.30	20.53	20.41	21.50
	16QAM	1	0	20.21	20.44	20.32	21.00
			8	20.26	20.49	20.37	
			14	20.20	20.43	20.31	
		8	0	19.37	19.59	19.48	20.50
			4	19.40	19.62	19.51	
			7	19.36	19.58	19.47	
		15	0	19.24	19.46	19.35	20.00
	64QAM	1	0	19.96	20.15	20.01	21.00
			8	19.67	19.86	19.72	
			14	19.66	19.85	19.71	
		8	0	18.85	19.03	18.90	20.00
			4	18.85	19.03	18.90	
			7	18.81	18.99	18.86	
		15	0	18.90	19.08	18.95	20.00

5	QPSK	1	0	21.33	21.57	21.45	22.50
			12	21.47	21.71	21.59	
			24	21.34	21.58	21.46	
		12	0	20.37	20.60	20.48	21.50
			6	20.33	20.56	20.44	
			13	20.35	20.58	20.46	
		25	0	20.34	20.57	20.45	21.50
	16QAM	1	0	20.30	20.53	20.41	21.50
			12	20.42	20.65	20.53	
			24	20.30	20.53	20.41	
		12	0	19.35	19.57	19.46	20.50
			6	19.34	19.56	19.45	
			13	19.33	19.55	19.44	
		25	0	19.39	19.61	19.50	20.50
	64QAM	1	0	20.03	20.22	20.08	21.00
			12	20.19	20.38	20.24	
			24	20.01	20.20	20.06	
		12	0	18.93	19.11	18.98	20.00
			6	18.89	19.07	18.94	
			13	18.92	19.10	18.97	
		25	0	18.95	19.13	19.00	20.00
10	QPSK	1	0	21.28	21.52	21.40	22.50
			24	21.45	21.69	21.57	
			49	21.31	21.55	21.43	
		25	0	20.33	20.56	20.44	21.50
			12	20.29	20.52	20.40	
			25	20.27	20.50	20.38	
		50	0	20.30	20.53	20.41	21.50
	16QAM	1	0	20.16	20.39	20.28	21.50
			24	20.31	20.54	20.42	
			49	20.20	20.43	20.31	
		25	0	19.34	19.56	19.45	20.50
			12	19.31	19.53	19.42	
			25	19.33	19.55	19.44	
		50	0	19.27	19.49	19.38	20.00
	64QAM	1	0	20.11	20.30	20.16	21.00
			24	20.26	20.45	20.31	
			49	20.13	20.32	20.18	
		25	0	18.98	19.16	19.03	20.00
			12	18.98	19.16	19.03	
			25	18.93	19.11	18.98	
		50	0	18.97	19.15	19.02	20.00

15	QPSK	1	0	21.21	21.45	21.33	22.50
			38	21.29	21.53	21.41	
			74	21.18	21.42	21.30	
		38	0	20.16	20.39	20.28	21.00
			18	20.17	20.40	20.28	
			37	20.11	20.34	20.23	
		75	0	20.32	20.55	20.43	21.50
	16QAM	1	0	20.14	20.37	20.26	21.00
			38	20.16	20.39	20.28	
			74	20.04	20.27	20.16	
		38	0	20.14	20.37	20.26	21.00
			18	20.19	20.42	20.30	
			37	20.05	20.28	20.17	
		75	0	19.29	19.51	19.40	20.50
	64QAM	1	0	20.14	20.33	20.19	21.00
			38	20.26	20.45	20.31	
			74	20.09	20.28	20.14	
		38	0	20.18	20.37	20.23	21.00
			18	20.26	20.45	20.31	
			37	20.11	20.30	20.16	
		75	0	18.98	19.16	19.03	20.00
20	QPSK	1	0	21.00	21.24	21.12	22.50
			49	21.31	21.55	21.43	
			99	21.00	21.24	21.12	
		50	0	20.12	20.35	20.24	21.00
			25	20.16	20.39	20.28	
			50	20.05	20.28	20.17	
		100	0	20.07	20.30	20.19	21.00
	16QAM	1	0	20.14	20.37	20.26	21.00
			49	20.22	20.45	20.33	
			99	20.09	20.32	20.21	
		50	0	19.15	19.37	19.26	20.00
			25	19.17	19.39	19.28	
			50	19.12	19.34	19.23	
		100	0	19.08	19.30	19.19	20.00
	64QAM	1	0	19.81	20.00	19.86	21.00
			49	19.96	20.15	20.01	
			99	19.76	19.95	19.81	
		50	0	18.95	19.13	19.00	20.00
			25	19.02	19.20	19.07	
			50	18.92	19.10	18.97	
		100	0	18.92	19.10	18.97	20.00

LTE-FDD Band 4 (Reduced power)				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	22.33	22.39	22.20	23.50
			2	22.47	22.53	22.34	
			5	22.32	22.38	22.19	
		3	0	22.40	22.46	22.27	23.50
			1	22.41	22.47	22.28	
			3	22.45	22.51	22.32	
		6	0	21.30	21.36	21.18	22.00
	16QAM	1	0	21.44	21.50	21.32	22.50
			2	21.67	21.73	21.55	
			5	21.52	21.58	21.40	
		3	0	21.33	21.39	21.21	22.00
			1	21.33	21.39	21.21	
			3	21.24	21.30	21.12	
		6	0	20.19	20.24	20.07	21.00
	64QAM	1	0	21.26	21.45	21.28	22.50
			2	21.48	21.67	21.50	
			5	21.34	21.53	21.36	
		3	0	21.23	21.42	21.25	22.00
			1	21.29	21.48	21.31	
			3	21.27	21.46	21.29	
		6	0	20.28	20.46	20.29	21.00
3	QPSK	1	0	22.54	22.60	22.41	23.50
			8	22.47	22.53	22.34	
			14	22.49	22.55	22.36	
		8	0	21.47	21.53	21.35	22.50
			4	21.49	21.55	21.37	
			7	21.48	21.54	21.36	
		15	0	21.45	21.51	21.33	22.50
	16QAM	1	0	21.41	21.47	21.29	22.50
			8	21.37	21.43	21.25	
			14	21.44	21.50	21.32	
		8	0	20.52	20.57	20.40	21.50
			4	20.53	20.58	20.41	
			7	20.53	20.58	20.41	
		15	0	20.40	20.45	20.28	21.00
	64QAM	1	0	21.60	21.79	21.61	22.50
			8	21.25	21.44	21.27	
			14	21.25	21.44	21.27	
		8	0	20.30	20.48	20.31	21.50
			4	20.35	20.53	20.36	
			7	20.31	20.49	20.32	
		15	0	20.37	20.55	20.38	21.50

5	QPSK	1	0	22.50	22.56	22.37	23.50
			12	22.57	22.63	22.44	
			24	22.53	22.59	22.40	
		12	0	21.44	21.50	21.32	22.50
			6	21.44	21.50	21.32	
			13	21.42	21.48	21.30	
		25	0	21.48	21.54	21.36	22.50
	16QAM	1	0	21.47	21.53	21.35	22.50
			12	21.58	21.64	21.46	
			24	21.46	21.52	21.34	
		12	0	20.52	20.57	20.40	21.50
			6	20.45	20.50	20.33	
			13	20.47	20.52	20.35	
		25	0	20.51	20.56	20.39	21.50
	64QAM	1	0	21.24	21.43	21.26	22.50
			12	21.35	21.54	21.37	
			24	21.23	21.42	21.25	
		12	0	20.39	20.57	20.40	21.50
			6	20.40	20.58	20.41	
			13	20.43	20.61	20.44	
		25	0	20.42	20.60	20.43	21.50
10	QPSK	1	0	22.39	22.45	22.26	23.50
			24	22.53	22.59	22.40	
			49	22.41	22.47	22.28	
		25	0	21.47	21.53	21.35	22.50
			12	21.46	21.52	21.34	
			25	21.46	21.52	21.34	
		50	0	21.43	21.49	21.31	22.00
	16QAM	1	0	21.34	21.40	21.22	22.50
			24	21.50	21.56	21.38	
			49	21.31	21.37	21.19	
		25	0	20.52	20.57	20.40	21.50
			12	20.53	20.58	20.41	
			25	20.54	20.59	20.42	
		50	0	20.45	20.50	20.33	21.50
	64QAM	1	0	21.58	21.77	21.59	22.50
			24	21.78	21.97	21.79	
			49	21.60	21.79	21.61	
		25	0	20.42	20.60	20.43	21.50
			12	20.43	20.61	20.44	
			25	20.43	20.61	20.44	
		50	0	20.41	20.59	20.42	21.50

15	QPSK	1	0	22.34	22.40	22.21	23.00
			38	22.35	22.41	22.22	
			74	22.23	22.29	22.10	
		38	0	21.50	21.56	21.38	22.50
			18	21.60	21.66	21.48	
			37	21.46	21.52	21.34	
		75	0	21.45	21.51	21.33	22.50
	16QAM	1	0	21.50	21.56	21.38	22.50
			38	21.60	21.66	21.48	
			74	21.42	21.48	21.30	
		38	0	21.48	21.54	21.36	22.50
			18	21.55	21.61	21.43	
			37	21.46	21.52	21.34	
		75	0	20.38	20.43	20.26	21.00
	64QAM	1	0	21.60	21.79	21.61	22.50
			38	21.71	21.90	21.72	
			74	21.59	21.78	21.60	
		38	0	21.58	21.77	21.59	22.50
			18	21.69	21.88	21.70	
			37	21.57	21.76	21.59	
		75	0	20.43	20.61	20.44	21.50
20	QPSK	1	0	22.24	22.30	22.11	23.50
			49	22.48	22.54	22.35	
			99	22.19	22.25	22.06	
		50	0	21.41	21.47	21.29	22.00
			25	21.40	21.46	21.28	
			50	21.38	21.44	21.26	
		100	0	21.39	21.45	21.27	22.00
	16QAM	1	0	21.29	21.35	21.17	22.50
			49	21.56	21.62	21.44	
			99	21.33	21.39	21.21	
		50	0	20.49	20.54	20.37	21.50
			25	20.48	20.53	20.36	
			50	20.46	20.51	20.34	
		100	0	20.38	20.43	20.26	21.00
	64QAM	1	0	21.25	21.44	21.27	22.50
			49	21.44	21.63	21.46	
			99	21.24	21.43	21.26	
		50	0	20.47	20.65	20.48	21.50
			25	20.48	20.66	20.49	
			50	20.50	20.68	20.51	
		100	0	20.45	20.63	20.46	21.50

LTE-FDD Band 7 (Reduced power)				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
5	QPSK	1	0	20.07	20.23	20.11	21.00
			12	20.25	20.41	20.29	
			24	20.03	20.19	20.07	
		12	0	19.09	19.25	19.13	20.00
			6	19.09	19.25	19.13	
			13	19.12	19.28	19.16	
		25	0	19.07	19.23	19.11	20.00
	16QAM	1	0	19.06	19.22	19.10	20.00
			12	19.24	19.40	19.28	
			24	19.09	19.25	19.13	
		12	0	18.12	18.27	18.16	19.00
			6	18.15	18.30	18.19	
			13	18.12	18.27	18.16	
		25	0	18.19	18.34	18.23	19.00
	64QAM	1	0	19.15	19.43	19.01	20.50
			12	19.34	19.62	19.20	
			24	19.13	19.41	18.99	
		12	0	17.75	18.01	17.62	19.00
			6	17.73	17.99	17.60	
			13	17.74	18.00	17.61	
		25	0	17.72	17.98	17.59	18.50
10	QPSK	1	0	20.06	20.22	20.10	21.00
			24	20.25	20.41	20.29	
			49	20.09	20.25	20.13	
		25	0	19.12	19.28	19.16	20.00
			12	19.15	19.31	19.19	
			25	19.17	19.33	19.21	
		50	0	19.12	19.28	19.16	20.00
	16QAM	1	0	18.99	19.15	19.03	20.00
			24	19.17	19.33	19.21	
			49	18.97	19.13	19.01	
		25	0	18.20	18.35	18.24	19.00
			12	18.22	18.37	18.26	
			25	18.22	18.37	18.26	
		50	0	18.15	18.30	18.19	19.00
	64QAM	1	0	18.87	19.14	18.73	20.00
			24	19.04	19.31	18.89	
			49	18.87	19.14	18.73	
		25	0	17.72	17.98	17.59	18.50
			12	17.69	17.95	17.56	
			25	17.71	17.97	17.58	
		50	0	17.69	17.95	17.56	18.50

15	QPSK	1	0	20.07	20.23	20.11	21.00
			38	20.15	20.31	20.19	
			74	20.04	20.20	20.08	
		38	0	18.96	19.12	19.00	20.00
			18	19.07	19.23	19.11	
			37	18.91	19.07	18.95	
		75	0	19.20	19.36	19.24	20.00
	16QAM	1	0	18.98	19.14	19.02	20.00
			38	19.08	19.24	19.12	
			74	18.94	19.10	18.98	
		38	0	18.92	19.08	18.96	20.00
			18	19.05	19.21	19.09	
			37	18.92	19.08	18.96	
		75	0	18.16	18.31	18.20	19.00
	64QAM	1	0	18.86	19.13	18.72	20.00
			38	18.95	19.22	18.81	
			74	18.84	19.11	18.70	
		38	0	18.82	19.09	18.68	20.00
			18	18.93	19.20	18.79	
			37	18.84	19.11	18.70	
		75	0	17.67	17.93	17.54	18.50
20	QPSK	1	0	19.86	20.02	19.90	21.00
			49	20.22	20.38	20.26	
			99	19.92	20.08	19.96	
		50	0	19.12	19.28	19.16	20.00
			25	19.15	19.31	19.19	
			50	19.16	19.32	19.20	
		100	0	19.16	19.32	19.20	20.00
	16QAM	1	0	19.00	19.16	19.04	20.50
			49	19.35	19.51	19.39	
			99	19.05	19.21	19.09	
		50	0	18.27	18.42	18.31	19.00
			25	18.24	18.39	18.28	
			50	18.26	18.41	18.30	
		100	0	18.20	18.35	18.24	19.00
	64QAM	1	0	18.45	18.72	18.32	19.50
			49	18.67	18.94	18.53	
			99	18.51	18.78	18.37	
		50	0	17.68	17.94	17.55	18.50
			25	17.67	17.93	17.54	
			50	17.73	17.99	17.60	
		100	0	17.73	17.99	17.60	18.50

LTE-FDD Band 66 (Reduced power)				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	21.43	21.87	21.82	23.00
			2	21.59	22.06	21.93	
			5	21.62	21.85	21.83	
		3	0	21.74	21.95	21.90	22.50
			1	21.79	21.94	21.90	
			3	21.93	21.92	21.92	
		6	0	20.84	20.86	20.85	21.50
	16QAM	1	0	20.57	20.81	20.69	21.50
			2	20.96	20.95	20.88	
			5	20.82	20.66	20.71	
		3	0	20.65	20.77	20.73	21.50
			1	20.85	20.82	20.71	
			3	20.79	20.75	20.70	
		6	0	19.95	19.87	19.81	20.50
	64QAM	1	0	20.13	20.48	20.36	21.50
			2	20.22	20.57	20.45	
			5	20.04	20.39	20.27	
		3	0	20.04	20.39	20.27	21.00
			1	20.05	20.40	20.28	
			3	20.01	20.36	20.24	
		6	0	19.02	19.35	19.24	20.00
3	QPSK	1	0	21.78	21.95	21.91	22.50
			8	21.80	21.91	21.81	
			14	21.86	21.83	21.87	
		8	0	20.77	20.93	20.91	21.50
			4	20.78	20.90	20.91	
			7	20.79	20.95	20.90	
		15	0	20.78	20.89	20.86	21.50
	16QAM	1	0	20.99	20.69	21.01	22.00
			8	20.92	20.80	21.01	
			14	20.92	20.73	21.01	
		8	0	19.87	19.96	19.96	20.50
			4	19.85	19.97	19.95	
			7	19.89	19.93	19.88	
		15	0	19.76	19.84	19.87	20.50
	64QAM	1	0	20.23	20.58	20.46	21.50
			8	19.95	20.30	20.18	
			14	19.98	20.33	20.21	
		8	0	19.08	19.41	19.30	20.00
			4	19.06	19.39	19.28	
			7	19.06	19.39	19.28	
		15	0	19.14	19.47	19.36	20.00

5	QPSK	1	0	21.83	21.90	21.86	23.00
			12	21.95	22.03	21.99	
			24	21.86	21.90	21.80	
		12	0	20.80	20.82	20.92	21.50
			6	20.79	20.87	20.90	
			13	20.85	20.89	20.90	
		25	0	20.87	20.88	20.87	21.50
	16QAM	1	0	21.02	20.90	20.80	22.00
			12	21.16	21.02	20.96	
			24	21.06	20.85	20.86	
		12	0	19.86	19.84	19.94	20.50
			6	19.83	19.81	19.90	
			13	19.95	19.91	19.83	
		25	0	19.91	19.92	19.95	20.50
	64QAM	1	0	19.97	20.32	20.20	21.00
			12	20.09	20.44	20.32	
			24	19.98	20.33	20.21	
		12	0	19.17	19.50	19.39	20.50
			6	19.14	19.47	19.36	
			13	19.20	19.54	19.43	
		25	0	19.17	19.51	19.40	20.50
10	QPSK	1	0	21.75	21.81	21.71	22.50
			24	21.89	21.96	21.92	
			49	21.80	21.82	21.79	
		25	0	20.77	20.79	20.93	21.50
			12	20.80	20.80	20.92	
			25	20.82	20.87	20.80	
		50	0	20.85	20.82	20.83	21.50
	16QAM	1	0	20.90	20.69	20.90	22.00
			24	21.02	20.79	21.06	
			49	20.95	20.72	21.00	
		25	0	19.84	19.88	19.91	20.50
			12	19.87	19.88	19.91	
			25	19.92	19.93	19.79	
		50	0	19.88	19.83	19.81	20.50
	64QAM	1	0	20.35	20.70	20.58	21.50
			24	20.53	20.89	20.77	
			49	20.33	20.68	20.56	
		25	0	19.14	19.47	19.36	20.50
			12	19.10	19.43	19.32	
			25	19.21	19.55	19.44	
		50	0	19.13	19.46	19.35	20.00

15	QPSK	1	0	21.72	21.78	21.70	22.50
			38	21.83	21.86	21.80	
			74	21.69	21.76	21.79	
		38	0	21.01	20.67	20.88	22.00
			18	21.10	20.77	20.99	
			37	21.00	20.64	20.97	
		75	0	20.85	20.86	20.92	21.50
	16QAM	1	0	21.02	20.68	20.91	22.00
			38	21.11	20.77	20.97	
			74	21.05	20.66	20.97	
		38	0	21.06	20.63	20.88	22.00
			18	21.07	20.75	21.01	
			37	21.04	20.64	20.97	
		75	0	19.86	19.83	19.82	20.50
	64QAM	1	0	20.18	20.53	20.41	21.50
			38	19.77	20.12	20.00	
			74	19.75	20.09	19.97	
		38	0	20.23	20.58	20.46	21.50
			18	19.73	20.07	19.95	
			37	19.71	20.05	19.93	
		75	0	19.13	19.46	19.35	20.00
20	QPSK	1	0	21.73	21.57	21.71	22.50
			49	21.89	21.77	21.91	
			99	21.77	21.65	21.84	
		50	0	20.75	20.73	20.83	21.50
			25	20.74	20.71	20.84	
			50	20.79	20.80	20.72	
		100	0	20.67	20.78	20.73	21.50
	16QAM	1	0	20.84	20.63	20.77	22.00
			49	21.13	20.92	20.99	
			99	20.95	20.74	20.87	
		50	0	19.82	19.79	19.83	20.50
			25	19.83	19.80	19.81	
			50	19.78	19.89	19.70	
		100	0	19.74	19.80	19.73	20.50
	64QAM	1	0	20.19	20.54	20.42	21.50
			49	20.50	20.86	20.74	
			99	20.37	20.73	20.61	
		50	0	19.48	19.82	19.71	20.50
			25	19.48	19.82	19.71	
			50	19.58	19.92	19.81	
		100	0	19.58	19.92	19.81	20.50

Appendix A:Conducted Power Measurement Results-WIFI/Bluetooth

WIFI 2.4G (Full power)					
Mode	Channel	Frequency (MHz)	Peak Power (dBm)	Average Power (dBm)	Tune-up limit (dBm)
802.11b	1	2412	20.10	17.86	18.00
	6	2437	20.34	17.89	18.00
	11	2462	20.13	17.72	18.00
802.11g	1	2412	23.00	20.37	20.50
	6	2437	23.20	20.42	20.50
	11	2462	22.95	19.91	20.00
802.11n (HT20)	1	2412	23.07	20.21	20.50
	6	2437	23.06	20.13	20.50
	11	2462	22.82	20.24	20.50
802.11n (HT40)	3	2422	23.53	20.46	20.50
	6	2437	23.53	20.38	20.50
	9	2452	23.49	20.56	21.00

WIFI 5G U-NII-1 (Full power)					
Bandwidth	Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up limit (dBm)
20	802.11ac	36	5180	12.94	13.00
		44	5220	12.59	13.00
		48	5240	12.57	13.00
	802.11n	36	5180	12.73	13.00
		44	5220	12.60	13.00
		48	5240	12.64	13.00
	802.11a	36	5180	13.91	14.00
		44	5220	13.54	14.00
		48	5240	13.60	14.00
40	802.11ac	38	5190	12.81	13.00
		46	5230	12.61	13.00
	802.11n	38	5190	12.79	13.00
		46	5230	12.63	13.00
80	802.11ac	42	5210	12.81	13.00

WIFI 5G U-NII-2A (Full power)					
Bandwidth	Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up limit (dBm)
20	802.11ac	52	5260	12.76	13.00
		56	5280	12.96	13.00
		64	5320	13.35	13.50
	802.11n	52	5260	12.66	13.00
		56	5280	12.94	13.00
		64	5320	13.33	13.00
	802.11a	52	5260	13.77	14.00
		56	5280	14.13	14.50
		64	5320	14.51	15.00
40	802.11ac	54	5270	12.88	13.00
		62	5310	13.19	13.00
	802.11n	54	5270	12.86	13.00
		62	5310	13.16	13.00
80	802.11ac	58	5290	13.27	13.00

WIFI 5G U-NII-2C (Full power)					
Bandwidth	Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up limit (dBm)
20	802.11ac	100	5500	13.01	13.50
		116	5580	13.09	13.50
		144	5720	13.07	13.50
	802.11n	100	5500	12.76	13.00
		116	5580	13.16	13.50
		144	5720	13.13	13.50
	802.11a	100	5500	13.76	14.00
		116	5580	14.29	14.50
		144	5720	14.31	14.50
40	802.11ac	102	5510	12.93	13.00
		110	5550	13.18	13.50
		142	5710	13.06	13.50
	802.11n	102	5510	12.94	13.00
		110	5550	13.17	13.50
		142	5710	13.31	13.50
80	802.11ac	106	5530	13.14	13.50
		138	5690	13.08	13.50

WIFI 5G U-NII-3 (Full power)					
Bandwidth	Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up limit (dBm)
20	802.11ac	149	5745	13.07	13.50
		157	5785	13.01	13.50
		165	5825	12.95	13.00
	802.11n	149	5745	13.04	13.50
		157	5785	12.90	13.00
		165	5825	12.84	13.00
	802.11a	149	5745	14.18	14.50
		157	5785	14.26	14.50
		165	5825	14.17	14.50
40	802.11ac	151	5755	12.87	13.00
		159	5795	13.04	13.50
	802.11n	151	5755	12.90	13.00
		159	5795	12.91	13.00
80	802.11ac	155	5775	12.93	13.00

Bluetooth						
Mode		Channel	Frequency (MHz)	Peak Power (dBm)	Average Power (dBm)	Tune-up limit (dBm)
EDR	GFSK	0	2402	7.83	7.65	8.00
		39	2441	5.51	5.41	5.50
		78	2480	7.33	7.26	7.50
	π/4QPSK	0	2402	6.94	6.87	7.00
		39	2441	5.16	5.05	5.50
		78	2480	6.64	6.54	7.00
	8DPSK	0	2402	6.92	6.87	7.00
		39	2441	5.13	5.04	5.50
		78	2480	6.63	6.52	7.00
BLE	GFSK	0	2402	-3.66	-3.71	-3.50
		19	2440	-2.22	-2.33	-2.00
		39	2480	-2.33	-2.45	-2.00

Appendix A:Conducted Power Measurement Results-WIFI/Bluetooth

WIFI 2.4G (Reduced power)					
Mode	Channel	Frequency (MHz)	Peak Power (dBm)	Average Power (dBm)	Tune-up limit (dBm)
802.11b	1	2412	19.10	16.86	17.00
	6	2437	19.34	16.89	17.00
	11	2462	19.13	16.72	17.00
802.11g	1	2412	22.00	19.37	19.50
	6	2437	22.20	19.42	19.50
	11	2462	21.95	18.91	19.00
802.11n (HT20)	1	2412	22.07	19.21	19.50
	6	2437	22.06	19.13	19.50
	11	2462	21.82	19.24	19.50
802.11n (HT40)	3	2422	22.53	19.46	19.50
	6	2437	22.53	19.38	19.50
	9	2452	22.49	19.56	20.00

WIFI 5G U-NII-1 (Reduced power)					
Bandwidth	Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up limit (dBm)
20	802.11ac	36	5180	11.94	12.00
		44	5220	11.59	12.00
		48	5240	11.57	12.00
	802.11n	36	5180	11.73	12.00
		44	5220	11.60	12.00
		48	5240	11.64	12.00
	802.11a	36	5180	12.91	13.00
		44	5220	12.54	13.00
		48	5240	12.60	13.00
40	802.11ac	38	5190	11.81	12.00
		46	5230	11.61	12.00
	802.11n	38	5190	11.79	12.00
		46	5230	11.63	12.00
80	802.11ac	42	5210	11.81	12.00

WIFI 5G U-NII-2A (Reduced power)					
Bandwidth	Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up limit (dBm)
20	802.11ac	52	5260	11.76	12.00
		56	5280	11.96	12.00
		64	5320	12.35	12.50
	802.11n	52	5260	11.66	12.00
		56	5280	11.94	12.00
		64	5320	12.33	12.00
	802.11a	52	5260	12.77	13.00
		56	5280	13.13	13.50
		64	5320	13.51	14.00
40	802.11ac	54	5270	11.88	12.00
		62	5310	12.19	12.00
	802.11n	54	5270	11.86	12.00
		62	5310	12.16	12.00
80	802.11ac	58	5290	12.27	12.00

WIFI 5G U-NII-2C (Reduced power)					
Bandwidth	Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up limit (dBm)
20	802.11ac	100	5500	12.01	12.50
		116	5580	12.09	12.50
		144	5720	12.07	12.50
	802.11n	100	5500	11.76	12.00
		116	5580	12.16	12.50
		144	5720	12.13	12.50
	802.11a	100	5500	12.76	13.00
		116	5580	13.29	13.50
		144	5720	13.31	13.50
40	802.11ac	102	5510	11.93	12.00
		110	5550	12.18	12.50
		142	5710	12.06	12.50
	802.11n	102	5510	11.94	12.00
		110	5550	12.17	12.50
		142	5710	12.31	12.50
80	802.11ac	106	5530	12.14	12.50
		138	5690	12.08	12.50

WIFI 5G U-NII-3 (Reduced power)					
Bandwidth	Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up limit (dBm)
20	802.11ac	149	5745	12.07	12.50
		157	5785	12.01	12.50
		165	5825	11.95	12.00
	802.11n	149	5745	12.04	12.50
		157	5785	11.90	12.00
		165	5825	11.84	12.00
	802.11a	149	5745	13.18	13.50
		157	5785	13.26	13.50
		165	5825	13.17	13.50
40	802.11ac	151	5755	11.87	12.00
		159	5795	12.04	12.50
	802.11n	151	5755	11.90	12.00
		159	5795	11.91	12.00
80	802.11ac	155	5775	11.93	12.00

Appendix B:SAR Measurement Results-Head

GSM850											
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz						(W/kg)	(W/kg)	
GPRS 4Tx slots	Left Touch	128	824.2	Full power	30.70	31.50	1.202	-	-	-	-
		190	836.6	Full power	30.76	31.50	1.186	-0.02	0.254	0.301	-
		251	848.8	Full power	30.59	31.50	1.233	-	-	-	-
	Left Tilt	128	824.2	Full power	30.70	31.50	1.202	-	-	-	-
		190	836.6	Full power	30.76	31.50	1.186	-0.04	0.230	0.273	-
		251	848.8	Full power	30.59	31.50	1.233	-	-	-	-
	Right Touch	128	824.2	Full power	30.70	31.50	1.202	-	-	-	-
		190	836.6	Full power	30.76	31.50	1.186	-0.06	0.280	0.332	1
		251	848.8	Full power	30.59	31.50	1.233	-	-	-	-
	Right Tilt	128	824.2	Full power	30.70	31.50	1.202	-	-	-	-
		190	836.6	Full power	30.76	31.50	1.186	-0.08	0.267	0.317	-
		251	848.8	Full power	30.59	31.50	1.233	-	-	-	-

GSM1900											
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz						(W/kg)	(W/kg)	
GPRS 4Tx slots	Left Touch	512	1850.2	Full power	26.19	27.00	1.205	-	-	-	-
		661	1880.0	Full power	26.35	27.00	1.161	-	-	-	-
		810	1909.8	Full power	26.38	27.00	1.153	-0.19	0.210	0.242	2
	Left Tilt	512	1850.2	Full power	26.19	27.00	1.205	-	-	-	-
		661	1880.0	Full power	26.35	27.00	1.161	-	-	-	-
		810	1909.8	Full power	26.38	27.00	1.153	-0.11	0.185	0.213	-
	Right Touch	512	1850.2	Full power	26.19	27.00	1.205	-	-	-	-
		661	1880.0	Full power	26.35	27.00	1.161	-	-	-	-
		810	1909.8	Full power	26.38	27.00	1.153	-0.05	0.180	0.208	-
	Right Tilt	512	1850.2	Full power	26.19	27.00	1.205	-	-	-	-
		661	1880.0	Full power	26.35	27.00	1.161	-	-	-	-
		810	1909.8	Full power	26.38	27.00	1.153	-0.09	0.158	0.182	-

WCDMA Band II											
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz						(W/kg)	(W/kg)	
RMC 12.2Kbps	Left Touch	9262	1852.4	Full power	22.63	23.50	1.222	-	-	-	-
		9400	1880.0	Full power	22.76	23.50	1.186	-0.19	0.205	0.243	3
		9538	1907.6	Full power	22.73	23.50	1.194	-	-	-	-
	Left Tilt	9262	1852.4	Full power	22.63	23.50	1.222	-	-	-	-
		9400	1880.0	Full power	22.76	23.50	1.186	-0.08	0.174	0.206	-
		9538	1907.6	Full power	22.73	23.50	1.194	-	-	-	-
	Right Touch	9262	1852.4	Full power	22.63	23.50	1.222	-	-	-	-
		9400	1880.0	Full power	22.76	23.50	1.186	-0.02	0.188	0.223	-
		9538	1907.6	Full power	22.73	23.50	1.194	-	-	-	-
	Right Tilt	9262	1852.4	Full power	22.63	23.50	1.222	-	-	-	-
		9400	1880.0	Full power	22.76	23.50	1.186	-0.07	0.152	0.180	-
		9538	1907.6	Full power	22.73	23.50	1.194	-	-	-	-

WCDMA Band IV											
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz						(W/kg)	(W/kg)	
RMC 12.2Kbps	Left Touch	1312	1712.4	Full power	23.81	24.50	1.172	-	-	-	-
		1413	1732.6	Full power	23.86	24.50	1.159	-0.10	0.115	0.133	-
		1513	1752.6	Full power	23.49	24.50	1.262	-	-	-	-
	Left Tilt	1312	1712.4	Full power	23.81	24.50	1.172	-	-	-	-
		1413	1732.6	Full power	23.86	24.50	1.159	0.06	0.100	0.116	-
		1513	1752.6	Full power	23.49	24.50	1.262	-	-	-	-
	Right Touch	1312	1712.4	Full power	23.81	24.50	1.172	-	-	-	-
		1413	1732.6	Full power	23.86	24.50	1.159	-0.13	0.135	0.156	4
		1513	1752.6	Full power	23.49	24.50	1.262	-	-	-	-
	Right Tilt	1312	1712.4	Full power	23.81	24.50	1.172	-	-	-	-
		1413	1732.6	Full power	23.86	24.50	1.159	0.02	0.105	0.122	-
		1513	1752.6	Full power	23.49	24.50	1.262	-	-	-	-

WCDMA Band V											
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz						(W/kg)	(W/kg)	
RMC 12.2Kbps	Left Touch	4132	826.4	Full power	23.30	24.00	1.175	-	-	-	-
		4183	836.6	Full power	23.34	24.00	1.164	0.04	0.253	0.295	-
		4233	846.6	Full power	23.09	24.00	1.233	-	-	-	-
	Left Tilt	4132	826.4	Full power	23.30	24.00	1.175	-	-	-	-
		4183	836.6	Full power	23.34	24.00	1.164	-0.08	0.228	0.265	-
		4233	846.6	Full power	23.09	24.00	1.233	-	-	-	-
	Right Touch	4132	826.4	Full power	23.30	24.00	1.175	-	-	-	-
		4183	836.6	Full power	23.34	24.00	1.164	-0.06	0.278	0.324	5
		4233	846.6	Full power	23.09	24.00	1.233	-	-	-	-
	Right Tilt	4132	826.4	Full power	23.30	24.00	1.175	-	-	-	-
		4183	836.6	Full power	23.34	24.00	1.164	-0.10	0.260	0.303	-
		4233	846.6	Full power	23.09	24.00	1.233	-	-	-	-

LTE Band 2											
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz						(W/kg)	(W/kg)	
20M QPSK 1RB	Left Touch	18700	1860.0	Full power	23.31	24.50	1.316	-	-	-	-
		18900	1880.0	Full power	23.55	24.50	1.245	-0.13	0.169	0.210	6
		19100	1900.0	Full power	23.43	24.50	1.280	-	-	-	-
	Left Tilt	18700	1860.0	Full power	23.31	24.50	1.316	-	-	-	-
		18900	1880.0	Full power	23.55	24.50	1.245	-0.07	0.142	0.177	-
		19100	1900.0	Full power	23.43	24.50	1.280	-	-	-	-
	Right Touch	18700	1860.0	Full power	23.31	24.50	1.316	-	-	-	-
		18900	1880.0	Full power	23.55	24.50	1.245	-0.06	0.154	0.192	-
		19100	1900.0	Full power	23.43	24.50	1.280	-	-	-	-
	Right Tilt	18700	1860.0	Full power	23.31	24.50	1.316	-	-	-	-
		18900	1880.0	Full power	23.55	24.50	1.245	-0.03	0.135	0.168	-
		19100	1900.0	Full power	23.43	24.50	1.280	-	-	-	-
20M QPSK 50RB	Left Touch	18700	1860.0	Full power	22.16	23.00	1.213	-	-	-	-
		18900	1880.0	Full power	22.39	23.00	1.151	-0.05	0.158	0.182	-
		19100	1900.0	Full power	22.28	23.00	1.182	-	-	-	-
	Left Tilt	18700	1860.0	Full power	22.16	23.00	1.213	-	-	-	-
		18900	1880.0	Full power	22.39	23.00	1.151	0.08	0.134	0.154	-
		19100	1900.0	Full power	22.28	23.00	1.182	-	-	-	-
	Right Touch	18700	1860.0	Full power	22.16	23.00	1.213	-	-	-	-
		18900	1880.0	Full power	22.39	23.00	1.151	0.02	0.140	0.161	-
		19100	1900.0	Full power	22.28	23.00	1.182	-	-	-	-
	Right Tilt	18700	1860.0	Full power	22.16	23.00	1.213	-	-	-	-
		18900	1880.0	Full power	22.39	23.00	1.151	-0.10	0.127	0.146	-
		19100	1900.0	Full power	22.28	23.00	1.182	-	-	-	-

LTE Band 4											
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz						(W/kg)	(W/kg)	
20M QPSK 1RB	Left Touch	20050	1720.0	Full power	23.98	25.00	1.264	-	-	-	-
		20175	1732.5	Full power	24.04	25.00	1.247	-0.03	0.145	0.181	-
		20300	1745.0	Full power	23.85	25.00	1.303	-	-	-	-
	Left Tilt	20050	1720.0	Full power	23.98	25.00	1.264	-	-	-	-
		20175	1732.5	Full power	24.04	25.00	1.247	-0.08	0.132	0.165	-
		20300	1745.0	Full power	23.85	25.00	1.303	-	-	-	-
	Right Touch	20050	1720.0	Full power	23.98	25.00	1.264	-	-	-	-
		20175	1732.5	Full power	24.04	25.00	1.247	-0.04	0.158	0.197	7
		20300	1745.0	Full power	23.85	25.00	1.303	-	-	-	-
	Right Tilt	20050	1720.0	Full power	23.98	25.00	1.264	-	-	-	-
		20175	1732.5	Full power	24.04	25.00	1.247	-0.02	0.140	0.175	-
		20300	1745.0	Full power	23.85	25.00	1.303	-	-	-	-
20M QPSK 50RB	Left Touch	20050	1720.0	Full power	22.91	23.50	1.144	-	-	-	-
		20175	1732.5	Full power	22.97	23.50	1.130	-0.10	0.131	0.148	-
		20300	1745.0	Full power	22.79	23.50	1.178	-	-	-	-
	Left Tilt	20050	1720.0	Full power	22.91	23.50	1.144	-	-	-	-
		20175	1732.5	Full power	22.97	23.50	1.130	0.03	0.124	0.140	-
		20300	1745.0	Full power	22.79	23.50	1.178	-	-	-	-
	Right Touch	20050	1720.0	Full power	22.91	23.50	1.144	-	-	-	-
		20175	1732.5	Full power	22.97	23.50	1.130	-0.07	0.144	0.163	-
		20300	1745.0	Full power	22.79	23.50	1.178	-	-	-	-
	Right Tilt	20050	1720.0	Full power	22.91	23.50	1.144	-	-	-	-
		20175	1732.5	Full power	22.97	23.50	1.130	-0.05	0.130	0.147	-
		20300	1745.0	Full power	22.79	23.50	1.178	-	-	-	-

LTE Band 5											
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz						(W/kg)	(W/kg)	
10M QPSK 1RB	Left Touch	20450	829.0	Full power	23.50	24.50	1.260	-	-	-	-
		20525	836.5	Full power	23.70	24.50	1.202	-0.08	0.285	0.343	-
		20600	844.0	Full power	23.55	24.50	1.244	-	-	-	-
	Left Tilt	20450	829.0	Full power	23.50	24.50	1.260	-	-	-	-
		20525	836.5	Full power	23.70	24.50	1.202	-0.06	0.274	0.329	-
		20600	844.0	Full power	23.55	24.50	1.244	-	-	-	-
	Right Touch	20450	829.0	Full power	23.50	24.50	1.260	-	-	-	-
		20525	836.5	Full power	23.70	24.50	1.202	-0.19	0.310	0.373	8
		20600	844.0	Full power	23.55	24.50	1.244	-	-	-	-
	Right Tilt	20450	829.0	Full power	23.50	24.50	1.260	-	-	-	-
		20525	836.5	Full power	23.70	24.50	1.202	-0.04	0.292	0.351	-
		20600	844.0	Full power	23.55	24.50	1.244	-	-	-	-
10M QPSK 25RB	Left Touch	20450	829.0	Full power	22.60	23.50	1.232	-	-	-	-
		20525	836.5	Full power	22.79	23.50	1.178	-0.05	0.255	0.300	-
		20600	844.0	Full power	22.65	23.50	1.217	-	-	-	-
	Left Tilt	20450	829.0	Full power	22.60	23.50	1.232	-	-	-	-
		20525	836.5	Full power	22.79	23.50	1.178	-0.02	0.228	0.268	-
		20600	844.0	Full power	22.65	23.50	1.217	-	-	-	-
	Right Touch	20450	829.0	Full power	22.60	23.50	1.232	-	-	-	-
		20525	836.5	Full power	22.79	23.50	1.178	-0.11	0.300	0.353	-
		20600	844.0	Full power	22.65	23.50	1.217	-	-	-	-
	Right Tilt	20450	829.0	Full power	22.60	23.50	1.232	-	-	-	-
		20525	836.5	Full power	22.79	23.50	1.178	0.06	0.263	0.310	-
		20600	844.0	Full power	22.65	23.50	1.217	-	-	-	-

LTE Band 7											
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz						(W/kg)	(W/kg)	
20M QPSK 1RB	Left Touch	20850	2510.0	Full power	23.22	24.00	1.198	-	-	-	-
		21100	2535.0	Full power	23.38	24.00	1.153	-0.10	0.047	0.054	9
		21350	2560.0	Full power	23.26	24.00	1.186	-	-	-	-
	Left Tilt	20850	2510.0	Full power	23.22	24.00	1.198	-	-	-	-
		21100	2535.0	Full power	23.38	24.00	1.153	-0.09	0.038	0.044	-
		21350	2560.0	Full power	23.26	24.00	1.186	-	-	-	-
	Right Touch	20850	2510.0	Full power	23.22	24.00	1.198	-	-	-	-
		21100	2535.0	Full power	23.38	24.00	1.153	-0.05	0.032	0.037	-
		21350	2560.0	Full power	23.26	24.00	1.186	-	-	-	-
	Right Tilt	20850	2510.0	Full power	23.22	24.00	1.198	-	-	-	-
		21100	2535.0	Full power	23.38	24.00	1.153	-0.04	0.027	0.031	-
		21350	2560.0	Full power	23.26	24.00	1.186	-	-	-	-
20M QPSK 50RB	Left Touch	20850	2510.0	Full power	22.16	23.00	1.213	-	-	-	-
		21100	2535.0	Full power	22.32	23.00	1.169	0.02	0.032	0.037	-
		21350	2560.0	Full power	22.20	23.00	1.201	-	-	-	-
	Left Tilt	20850	2510.0	Full power	22.16	23.00	1.213	-	-	-	-
		21100	2535.0	Full power	22.32	23.00	1.169	0.09	0.027	0.032	-
		21350	2560.0	Full power	22.20	23.00	1.201	-	-	-	-
	Right Touch	20850	2510.0	Full power	22.16	23.00	1.213	-	-	-	-
		21100	2535.0	Full power	22.32	23.00	1.169	0.04	0.025	0.029	-
		21350	2560.0	Full power	22.20	23.00	1.201	-	-	-	-
	Right Tilt	20850	2510.0	Full power	22.16	23.00	1.213	-	-	-	-
		21100	2535.0	Full power	22.32	23.00	1.169	0.06	0.019	0.022	-
		21350	2560.0	Full power	22.20	23.00	1.201	-	-	-	-

LTE Band 12											
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz						(W/kg)	(W/kg)	
10M QPSK 1RB	Left Touch	23060	704.0	Full power	23.20	24.00	1.201	-	-	-	-
		23095	707.5	Full power	23.34	24.00	1.164	0.04	0.150	0.175	-
		23130	711.0	Full power	23.14	24.00	1.219	-	-	-	-
	Left Tilt	23060	704.0	Full power	23.20	24.00	1.201	-	-	-	-
		23095	707.5	Full power	23.34	24.00	1.164	0.08	0.145	0.169	-
		23130	711.0	Full power	23.14	24.00	1.219	-	-	-	-
	Right Touch	23060	704.0	Full power	23.20	24.00	1.201	-	-	-	-
		23095	707.5	Full power	23.34	24.00	1.164	-0.15	0.165	0.192	10
		23130	711.0	Full power	23.14	24.00	1.219	-	-	-	-
	Right Tilt	23060	704.0	Full power	23.20	24.00	1.201	-	-	-	-
		23095	707.5	Full power	23.34	24.00	1.164	0.01	0.153	0.178	-
		23130	711.0	Full power	23.14	24.00	1.219	-	-	-	-
10M QPSK 25RB	Left Touch	23060	704.0	Full power	22.42	23.50	1.283	-	-	-	-
		23095	707.5	Full power	22.55	23.50	1.245	0.06	0.135	0.168	-
		23130	711.0	Full power	22.36	23.50	1.301	-	-	-	-
	Left Tilt	23060	704.0	Full power	22.42	23.50	1.283	-	-	-	-
		23095	707.5	Full power	22.55	23.50	1.245	-0.10	0.125	0.156	-
		23130	711.0	Full power	22.36	23.50	1.301	-	-	-	-
	Right Touch	23060	704.0	Full power	22.42	23.50	1.283	-	-	-	-
		23095	707.5	Full power	22.55	23.50	1.245	0.08	0.150	0.187	-
		23130	711.0	Full power	22.36	23.50	1.301	-	-	-	-
	Right Tilt	23060	704.0	Full power	22.42	23.50	1.283	-	-	-	-
		23095	707.5	Full power	22.55	23.50	1.245	-0.05	0.138	0.172	-
		23130	711.0	Full power	22.36	23.50	1.301	-	-	-	-

LTE Band 13											
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz						(W/kg)	(W/kg)	
10M QPSK 1RB	Left Touch	23230	782.0	Full power	22.98	23.50	1.127	0.05	0.226	0.255	-
	Left Tilt	23230	782.0	Full power	22.98	23.50	1.127	0.09	0.195	0.220	-
	Right Touch	23230	782.0	Full power	22.98	23.50	1.127	0.18	0.245	0.277	11
	Right Tilt	23230	782.0	Full power	22.98	23.50	1.127	-0.10	0.218	0.246	-
10M QPSK 25RB	Left Touch	23230	782.0	Full power	22.22	23.00	1.197	-0.03	0.202	0.242	-
	Left Tilt	23230	782.0	Full power	22.22	23.00	1.197	0.11	0.175	0.209	-
	Right Touch	23230	782.0	Full power	22.22	23.00	1.197	-0.05	0.224	0.268	-
	Right Tilt	23230	782.0	Full power	22.22	23.00	1.197	-0.06	0.200	0.239	-

LTE Band 14											
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz						(W/kg)	(W/kg)	
10M QPSK 1RB	Left Touch	23330	793.0	Full power	23.53	24.50	1.250	0.03	0.253	0.316	-
	Left Tilt	23330	793.0	Full power	23.53	24.50	1.250	-0.02	0.232	0.290	-
	Right Touch	23330	793.0	Full power	23.53	24.50	1.250	0.09	0.299	0.374	12
	Right Tilt	23330	793.0	Full power	23.53	24.50	1.250	-0.08	0.260	0.325	-
10M QPSK 25RB	Left Touch	23330	793.0	Full power	22.63	23.50	1.222	-0.10	0.240	0.293	-
	Left Tilt	23330	793.0	Full power	22.63	23.50	1.222	-0.07	0.216	0.264	-
	Right Touch	23330	793.0	Full power	22.63	23.50	1.222	0.05	0.275	0.336	-
	Right Tilt	23330	793.0	Full power	22.63	23.50	1.222	0.12	0.252	0.308	-

LTE Band 66											
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz						(W/kg)	(W/kg)	
20M QPSK 1RB	Left Touch	132072	1720.0	Full power	22.89	23.50	1.151	-	-	-	-
		132322	1745.0	Full power	22.77	23.50	1.183	-	-	-	-
		132572	1770.0	Full power	22.91	23.50	1.146	0.06	0.172	0.197	-
	Left Tilt	132072	1720.0	Full power	22.89	23.50	1.151	-	-	-	-
		132322	1745.0	Full power	22.77	23.50	1.183	-	-	-	-
		132572	1770.0	Full power	22.91	23.50	1.146	-0.12	0.151	0.173	-
	Right Touch	132072	1720.0	Full power	22.89	23.50	1.151	-	-	-	-
		132322	1745.0	Full power	22.77	23.50	1.183	-	-	-	-
		132572	1770.0	Full power	22.91	23.50	1.146	-0.21	0.185	0.212	13
	Right Tilt	132072	1720.0	Full power	22.89	23.50	1.151	-	-	-	-
		132322	1745.0	Full power	22.77	23.50	1.183	-	-	-	-
		132572	1770.0	Full power	22.91	23.50	1.146	-0.08	0.163	0.187	-
20M QPSK 50RB	Left Touch	132072	1720.0	Full power	21.74	22.50	1.191	-	-	-	-
		132322	1745.0	Full power	21.71	22.50	1.199	-	-	-	-
		132572	1770.0	Full power	21.84	22.50	1.164	0.07	0.163	0.190	-
	Left Tilt	132072	1720.0	Full power	21.74	22.50	1.191	-	-	-	-
		132322	1745.0	Full power	21.71	22.50	1.199	-	-	-	-
		132572	1770.0	Full power	21.84	22.50	1.164	0.02	0.144	0.168	-
	Right Touch	132072	1720.0	Full power	21.74	22.50	1.191	-	-	-	-
		132322	1745.0	Full power	21.71	22.50	1.199	-	-	-	-
		132572	1770.0	Full power	21.84	22.50	1.164	0.06	0.176	0.205	-
	Right Tilt	132072	1720.0	Full power	21.74	22.50	1.191	-	-	-	-
		132322	1745.0	Full power	21.71	22.50	1.199	-	-	-	-
		132572	1770.0	Full power	21.84	22.50	1.164	0.01	0.158	0.184	-

WIFI 2.4G													
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz								(W/kg)	(W/kg)	
802.11b	Left Touch	1	2412	Full power	17.86	18.00	1.033	99.50%	1.005	-	-	-	-
		6	2437	Full power	17.89	18.00	1.026	99.50%	1.005	0.13	0.346	0.357	14
		11	2462	Full power	17.72	18.00	1.067	99.50%	1.005	-	-	-	-
	Left Tilt	1	2412	Full power	17.86	18.00	1.033	99.50%	1.005	-	-	-	-
		6	2437	Full power	17.89	18.00	1.026	99.50%	1.005	0.04	0.315	0.325	-
		11	2462	Full power	17.72	18.00	1.067	99.50%	1.005	-	-	-	-
	Right Touch	1	2412	Full power	17.86	18.00	1.033	99.50%	1.005	-	-	-	-
		6	2437	Full power	17.89	18.00	1.026	99.50%	1.005	0.09	0.306	0.315	-
		11	2462	Full power	17.72	18.00	1.067	99.50%	1.005	-	-	-	-
	Right Tilt	1	2412	Full power	17.86	18.00	1.033	99.50%	1.005	-	-	-	-
		6	2437	Full power	17.89	18.00	1.026	99.50%	1.005	0.02	0.289	0.298	-
		11	2462	Full power	17.72	18.00	1.067	99.50%	1.005	-	-	-	-

WIFI 5G U-NII-1													
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz								(W/kg)	(W/kg)	
802.11a	Left Touch	36	5180	Full power	13.91	14.00	1.021	96.77%	1.033	0.03	0.153	0.161	15
		44	5220	Full power	13.54	14.00	1.112	96.77%	1.033	-	-	-	-
		48	5240	Full power	13.60	14.00	1.096	96.77%	1.033	-	-	-	-
	Left Tilt	36	5180	Full power	13.91	14.00	1.021	96.77%	1.033	0.07	0.142	0.150	-
		44	5220	Full power	13.54	14.00	1.112	96.77%	1.033	-	-	-	-
		48	5240	Full power	13.60	14.00	1.096	96.77%	1.033	-	-	-	-
	Right Touch	36	5180	Full power	13.91	14.00	1.021	96.77%	1.033	-0.09	0.135	0.142	-
		44	5220	Full power	13.54	14.00	1.112	96.77%	1.033	-	-	-	-
		48	5240	Full power	13.60	14.00	1.096	96.77%	1.033	-	-	-	-
	Right Tilt	36	5180	Full power	13.91	14.00	1.021	96.77%	1.033	0.11	0.120	0.127	-
		44	5220	Full power	13.54	14.00	1.112	96.77%	1.033	-	-	-	-
		48	5240	Full power	13.60	14.00	1.096	96.77%	1.033	-	-	-	-

WIFI 5G U-NII-2A													
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz								(W/kg)	(W/kg)	
802.11a	Left Touch	52	5260	Full power	13.77	14.00	1.054	96.77%	1.033	-	-	-	-
		56	5280	Full power	14.13	14.50	1.089	96.77%	1.033	-	-	-	-
		64	5320	Full power	14.51	15.00	1.119	96.77%	1.033	-0.05	0.165	0.191	16
	Left Tilt	52	5260	Full power	13.77	14.00	1.054	96.77%	1.033	-	-	-	-
		56	5280	Full power	14.13	14.50	1.089	96.77%	1.033	-	-	-	-
		64	5320	Full power	14.51	15.00	1.119	96.77%	1.033	-0.08	0.143	0.165	-
	Right Touch	52	5260	Full power	13.77	14.00	1.054	96.77%	1.033	-	-	-	-
		56	5280	Full power	14.13	14.50	1.089	96.77%	1.033	-	-	-	-
		64	5320	Full power	14.51	15.00	1.119	96.77%	1.033	0.02	0.144	0.167	-
	Right Tilt	52	5260	Full power	13.77	14.00	1.054	96.77%	1.033	-	-	-	-
		56	5280	Full power	14.13	14.50	1.089	96.77%	1.033	-	-	-	-
		64	5320	Full power	14.51	15.00	1.119	96.77%	1.033	0.09	0.125	0.145	-

WIFI 5G U-NII-2C													
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz								(W/kg)	(W/kg)	
802.11a	Left Touch	100	5500	Full power	13.76	14.00	1.057	96.77%	1.033	-	-	-	-
		116	5580	Full power	14.29	14.50	1.050	96.77%	1.033	-	-	-	-
		144	5720	Full power	14.31	14.50	1.045	96.77%	1.033	-0.15	0.225	0.243	17
	Left Tilt	100	5500	Full power	13.76	14.00	1.057	96.77%	1.033	-	-	-	-
		116	5580	Full power	14.29	14.50	1.050	96.77%	1.033	-	-	-	-
		144	5720	Full power	14.31	14.50	1.045	96.77%	1.033	-0.10	0.188	0.203	-
	Right Touch	100	5500	Full power	13.76	14.00	1.057	96.77%	1.033	-	-	-	-
		116	5580	Full power	14.29	14.50	1.050	96.77%	1.033	-	-	-	-
		144	5720	Full power	14.31	14.50	1.045	96.77%	1.033	-0.05	0.205	0.221	-
	Right Tilt	100	5500	Full power	13.76	14.00	1.057	96.77%	1.033	-	-	-	-
		116	5580	Full power	14.29	14.50	1.050	96.77%	1.033	-	-	-	-
		144	5720	Full power	14.31	14.50	1.045	96.77%	1.033	-0.03	0.167	0.180	-

WIFI 5G U-NII-3													
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz								(W/kg)	(W/kg)	
802.11a	Left Touch	149	5745	Full power	14.18	14.50	1.076	96.77%	1.033	-	-	-	-
		157	5785	Full power	14.26	14.50	1.057	96.77%	1.033	-0.05	0.256	0.280	18
		165	5825	Full power	14.17	14.50	1.079	96.77%	1.033	-	-	-	-
	Left Tilt	149	5745	Full power	14.18	14.50	1.076	96.77%	1.033	-	-	-	-
		157	5785	Full power	14.26	14.50	1.057	96.77%	1.033	-0.08	0.240	0.262	-
		165	5825	Full power	14.17	14.50	1.079	96.77%	1.033	-	-	-	-
	Right Touch	149	5745	Full power	14.18	14.50	1.076	96.77%	1.033	-	-	-	-
		157	5785	Full power	14.26	14.50	1.057	96.77%	1.033	-0.04	0.230	0.251	-
		165	5825	Full power	14.17	14.50	1.079	96.77%	1.033	-	-	-	-
	Right Tilt	149	5745	Full power	14.18	14.50	1.076	96.77%	1.033	-	-	-	-
		157	5785	Full power	14.26	14.50	1.057	96.77%	1.033	-0.08	0.210	0.229	-
		165	5825	Full power	14.17	14.50	1.079	96.77%	1.033	-	-	-	-

Bluetooth													
Mode	Test Position	Frequency		Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz								(W/kg)	(W/kg)	
EDR GFSK	Left Touch	0	2402	Full power	7.65	8.00	1.084	76.70%	1.304	-0.06	0.049	0.069	19
		39	2441	Full power	5.41	5.50	1.021	76.70%	1.304	-	-	-	-
		78	2480	Full power	7.26	7.50	1.057	76.70%	1.304	-	-	-	-
	Left Tilt	0	2402	Full power	7.65	8.00	1.084	76.70%	1.304	-0.02	0.041	0.058	-
		39	2441	Full power	5.41	5.50	1.021	76.70%	1.304	-	-	-	-
		78	2480	Full power	7.26	7.50	1.057	76.70%	1.304	-	-	-	-
	Right Touch	0	2402	Full power	7.65	8.00	1.084	76.70%	1.304	-0.09	0.036	0.051	-
		39	2441	Full power	5.41	5.50	1.021	76.70%	1.304	-	-	-	-
		78	2480	Full power	7.26	7.50	1.057	76.70%	1.304	-	-	-	-
	Right Tilt	0	2402	Full power	7.65	8.00	1.084	76.70%	1.304	-0.03	0.030	0.042	-
		39	2441	Full power	5.41	5.50	1.021	76.70%	1.304	-	-	-	-
		78	2480	Full power	7.26	7.50	1.057	76.70%	1.304	-	-	-	-

Appendix B:SAR Measurement Results-Body

GSM850												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
GPRS 4Tx slots	Front	128	824.2	10	Reduced power	29.70	30.50	1.202	-	-	-	-
		190	836.6	10	Reduced power	29.76	30.50	1.186	-0.02	0.255	0.302	-
		251	848.8	10	Reduced power	29.59	30.50	1.233	-	-	-	-
	Rear	128	824.2	10	Reduced power	29.70	30.50	1.202	-	-	-	-
		190	836.6	10	Reduced power	29.76	30.50	1.186	-0.05	0.284	0.337	20
		251	848.8	10	Reduced power	29.59	30.50	1.233	-	-	-	-
	Front	190	836.6	14	Full power	30.76	31.50	1.186	0.09	0.231	0.274	-
	Rear	190	836.6	18	Full power	30.76	31.50	1.186	0.05	0.210	0.249	-

GSM1900												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
GPRS 4Tx slots	Front	512	1850.2	10	Reduced power	24.69	25.50	1.205	0.03	0.810	0.976	-
		661	1880.0	10	Reduced power	24.85	25.50	1.161	0.11	0.841	0.977	-
		810	1909.8	10	Reduced power	24.88	25.50	1.153	-0.06	0.855	0.986	-
	Rear	512	1850.2	10	Reduced power	24.69	25.50	1.205	0.15	0.917	1.105	-
		661	1880.0	10	Reduced power	24.85	25.50	1.161	0.09	0.933	1.084	-
		810	1909.8	10	Reduced power	24.88	25.50	1.153	-0.12	0.963	1.111	21
	Front	810	1909.8	14	Full power	26.38	27.00	1.153	-0.06	0.714	0.824	-
	Rear	810	1909.8	18	Full power	26.38	27.00	1.153	0.11	0.755	0.871	-

WCDMA Band II												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
RMC 12.2Kbps	Front	9262	1852.4	10	Reduced power	20.63	21.50	1.222	0.14	0.821	1.003	-
		9400	1880.0	10	Reduced power	20.76	21.50	1.186	-0.08	0.872	1.034	-
		9538	1907.6	10	Reduced power	20.73	21.50	1.194	0.09	0.854	1.020	-
	Rear	9262	1852.4	10	Reduced power	20.63	21.50	1.222	-0.05	0.897	1.096	-
		9400	1880.0	10	Reduced power	20.76	21.50	1.186	-0.02	0.930	1.103	22
		9538	1907.6	10	Reduced power	20.73	21.50	1.194	-0.12	0.911	1.088	-
	Front	9400	1880.0	14	Full power	22.76	23.50	1.186	0.17	0.661	0.784	-
	Rear	9400	1880.0	18	Full power	22.76	23.50	1.186	-0.08	0.645	0.765	-

WCDMA Band IV												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
RMC 12.2Kbps	Front	1312	1712.4	10	Reduced power	22.31	23.00	1.172	-0.11	0.922	1.081	-
		1413	1732.6	10	Reduced power	22.36	23.00	1.159	-0.04	0.941	1.090	-
		1513	1752.6	10	Reduced power	21.99	23.00	1.262	0.07	0.863	1.089	-
	Rear	1312	1712.4	10	Reduced power	22.31	23.00	1.172	0.14	0.944	1.107	-
		1413	1732.6	10	Reduced power	22.36	23.00	1.159	-0.11	0.978	1.133	23
		1513	1752.6	10	Reduced power	21.99	23.00	1.262	0.02	0.869	1.097	-
	Front	1413	1732.6	14	Full power	23.86	24.50	1.159	0.06	0.787	0.912	-
	Rear	1413	1732.6	18	Full power	23.86	24.50	1.159	-0.19	0.711	0.824	-

WCDMA Band V												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
RMC 12.2Kbps	Front	4132	826.4	10	Full power	23.30	24.00	1.175	-	-	-	-
		4183	836.6	10	Full power	23.34	24.00	1.164	-0.02	0.246	0.286	-
		4233	846.6	10	Full power	23.09	24.00	1.233	-	-	-	-
	Rear	4132	826.4	10	Full power	23.30	24.00	1.175	-	-	-	-
		4183	836.6	10	Full power	23.34	24.00	1.164	-0.06	0.282	0.328	24
		4233	846.6	10	Full power	23.09	24.00	1.233	-	-	-	-

LTE Band 2												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
20M QPSK 1RB	Front	18700	1860.0	10	Reduced power	21.31	22.50	1.316	-0.07	0.710	0.934	-
		18900	1880.0	10	Reduced power	21.55	22.50	1.245	-0.04	0.755	0.940	-
		19100	1900.0	10	Reduced power	21.43	22.50	1.280	0.05	0.724	0.926	-
	Rear	18700	1860.0	10	Reduced power	21.31	22.50	1.316	-0.09	0.827	1.088	-
		18900	1880.0	10	Reduced power	21.55	22.50	1.245	-0.21	0.896	1.115	25
		19100	1900.0	10	Reduced power	21.43	22.50	1.280	-0.14	0.845	1.081	-
20M QPSK 50RB	Front	18700	1860.0	10	Reduced power	20.16	21.00	1.213	-	-	-	-
		18900	1880.0	10	Reduced power	20.39	21.00	1.151	-0.09	0.631	0.726	-
		19100	1900.0	10	Reduced power	20.28	21.00	1.182	-	-	-	-
	Rear	18700	1860.0	10	Reduced power	20.16	21.00	1.213	0.11	0.707	0.858	-
		18900	1880.0	10	Reduced power	20.39	21.00	1.151	-0.02	0.724	0.833	-
		19100	1900.0	10	Reduced power	20.28	21.00	1.182	-0.08	0.712	0.841	-
20M QPSK 100RB	Rear	18700	1860.0	10	Reduced power	20.07	21.00	1.238	-0.11	0.709	0.878	-
		18900	1880.0	10	Reduced power	20.30	21.00	1.175	-0.09	0.733	0.861	-
		19100	1900.0	10	Reduced power	20.19	21.00	1.206	0.17	0.718	0.866	-
20M QPSK 1RB	Front	18900	1880.0	14	Full power	23.55	24.50	1.245	0.05	0.542	0.675	-
	Rear	18900	1880.0	18	Full power	23.55	24.50	1.245	0.17	0.479	0.596	-

LTE Band 4												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
20M QPSK 1RB	Front	20050	1720.0	10	Reduced power	22.48	23.50	1.264	-0.05	0.706	0.893	-
		20175	1732.5	10	Reduced power	22.54	23.50	1.247	-0.10	0.724	0.903	-
		20300	1745.0	10	Reduced power	22.35	23.50	1.303	0.06	0.700	0.912	-
	Rear	20050	1720.0	10	Reduced power	22.48	23.50	1.264	0.09	0.837	1.058	-
		20175	1732.5	10	Reduced power	22.54	23.50	1.247	-0.16	0.868	1.083	26
		20300	1745.0	10	Reduced power	22.35	23.50	1.303	0.01	0.816	1.063	-
20M QPSK 50RB	Front	20050	1720.0	10	Reduced power	21.41	22.00	1.144	-	-	-	-
		20175	1732.5	10	Reduced power	21.47	22.00	1.130	-0.06	0.639	0.722	-
		20300	1745.0	10	Reduced power	21.29	22.00	1.178	-	-	-	-
	Rear	20050	1720.0	10	Reduced power	21.41	22.00	1.144	0.11	0.739	0.846	-
		20175	1732.5	10	Reduced power	21.47	22.00	1.130	-0.14	0.747	0.844	-
		20300	1745.0	10	Reduced power	21.29	22.00	1.178	0.15	0.721	0.849	-
20M QPSK 100RB	Rear	20050	1720.0	10	Reduced power	21.39	22.00	1.150	-0.07	0.737	0.847	-
		20175	1732.5	10	Reduced power	21.45	22.00	1.135	0.04	0.749	0.850	-
		20300	1745.0	10	Reduced power	21.27	22.00	1.183	-0.12	0.720	0.852	-
20M QPSK 1RB	Front	20175	1732.5	14	Full power	24.04	25.00	1.247	0.16	0.527	0.657	-
	Rear	20175	1732.5	18	Full power	24.04	25.00	1.247	-0.11	0.511	0.637	-

LTE Band 5												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
10M QPSK 1RB	Front	20450	829.0	10	Full power	23.50	24.50	1.260	-	-	-	-
		20525	836.5	10	Full power	23.70	24.50	1.202	0.02	0.289	0.347	-
		20600	844.0	10	Full power	23.55	24.50	1.244	-	-	-	-
	Rear	20450	829.0	10	Full power	23.50	24.50	1.260	-	-	-	-
		20525	836.5	10	Full power	23.70	24.50	1.202	0.05	0.346	0.416	27
		20600	844.0	10	Full power	23.55	24.50	1.244	-	-	-	-
10M QPSK 25RB	Front	20450	829.0	10	Full power	22.60	23.50	1.232	-	-	-	-
		20525	836.5	10	Full power	22.79	23.50	1.178	-0.07	0.275	0.324	-
		20600	844.0	10	Full power	22.65	23.50	1.217	-	-	-	-
	Rear	20450	829.0	10	Full power	22.60	23.50	1.232	-	-	-	-
		20525	836.5	10	Full power	22.79	23.50	1.178	-0.04	0.319	0.376	-
		20600	844.0	10	Full power	22.65	23.50	1.217	-	-	-	-

LTE Band 7												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
20M QPSK 1RB	Front	20850	2510.0	10	Reduced power	20.22	21.00	1.198	-	-	-	-
		21100	2535.0	10	Reduced power	20.38	21.00	1.153	-0.07	0.260	0.300	-
		21350	2560.0	10	Reduced power	20.26	21.00	1.186	-	-	-	-
	Rear	20850	2510.0	10	Reduced power	20.22	21.00	1.198	-	-	-	-
		21100	2535.0	10	Reduced power	20.38	21.00	1.153	-0.20	0.448	0.517	28
		21350	2560.0	10	Reduced power	20.26	21.00	1.186	-	-	-	-
20M QPSK 50RB	Front	20850	2510.0	10	Reduced power	19.16	20.00	1.213	-	-	-	-
		21100	2535.0	10	Reduced power	19.32	20.00	1.169	-0.05	0.215	0.251	-
		21350	2560.0	10	Reduced power	19.20	20.00	1.201	-	-	-	-
	Rear	20850	2510.0	10	Reduced power	19.16	20.00	1.213	-	-	-	-
		21100	2535.0	10	Reduced power	19.32	20.00	1.169	-0.09	0.387	0.453	-
		21350	2560.0	10	Reduced power	19.20	20.00	1.201	-	-	-	-
20M QPSK 1RB	Front	21100	2535.0	14	Full power	23.38	24.00	1.153	-0.13	0.153	0.176	-
	Rear	21100	2535.0	18	Full power	23.38	24.00	1.153	-0.10	0.129	0.149	-

LTE Band 12												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
10M QPSK 1RB	Front	23060	704.0	10	Full power	23.20	24.00	1.201	-	-	-	-
		23095	707.5	10	Full power	23.34	24.00	1.164	-0.05	0.211	0.246	-
		23130	711.0	10	Full power	23.14	24.00	1.219	-	-	-	-
	Rear	23060	704.0	10	Full power	23.20	24.00	1.201	-	-	-	-
		23095	707.5	10	Full power	23.34	24.00	1.164	-0.08	0.242	0.282	29
		23130	711.0	10	Full power	23.14	24.00	1.219	-	-	-	-
10M QPSK 25RB	Front	23060	704.0	10	Full power	22.42	23.50	1.283	-	-	-	-
		23095	707.5	10	Full power	22.55	23.50	1.245	-0.02	0.188	0.234	-
		23130	711.0	10	Full power	22.36	23.50	1.301	-	-	-	-
	Rear	23060	704.0	10	Full power	22.42	23.50	1.283	-	-	-	-
		23095	707.5	10	Full power	22.55	23.50	1.245	-0.09	0.205	0.255	-
		23130	711.0	10	Full power	22.36	23.50	1.301	-	-	-	-

LTE Band 13												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
10M QPSK 1RB	Front	23230	782.0	10	Full power	22.98	23.50	1.127	-0.02	0.285	0.321	-
	Rear	23230	782.0	10	Full power	22.98	23.50	1.127	-0.04	0.313	0.353	30
10M QPSK 25RB	Front	23230	782.0	10	Full power	22.22	23.00	1.197	0.08	0.256	0.306	-
	Rear	23230	782.0	10	Full power	22.22	23.00	1.197	-0.03	0.286	0.342	-

LTE Band 14												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
10M QPSK 1RB	Front	23330	793.0	10	Full power	23.53	24.50	1.250	-0.02	0.286	0.358	-
	Rear	23330	793.0	10	Full power	23.53	24.50	1.250	0.09	0.306	0.383	31
10M QPSK 25RB	Front	23330	793.0	10	Full power	22.63	23.50	1.222	-0.05	0.254	0.310	-
	Rear	23330	793.0	10	Full power	22.63	23.50	1.222	-0.10	0.276	0.337	-

LTE Band 66												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
20M QPSK 1RB	Front	132072	1720.0	10	Reduced power	21.89	22.50	1.151	-0.15	0.773	0.890	-
		132322	1745.0	10	Reduced power	21.77	22.50	1.183	0.03	0.755	0.893	-
		132572	1770.0	10	Reduced power	21.91	22.50	1.146	0.06	0.783	0.897	-
	Rear	132072	1720.0	10	Reduced power	21.89	22.50	1.151	-0.04	0.874	1.006	-
		132322	1745.0	10	Reduced power	21.77	22.50	1.183	-0.06	0.855	1.012	-
		132572	1770.0	10	Reduced power	21.91	22.50	1.146	-0.21	0.891	1.021	32
20M QPSK 50RB	Front	132072	1720.0	10	Reduced power	20.74	21.50	1.191	-	-	-	-
		132322	1745.0	10	Reduced power	20.71	21.50	1.199	-	-	-	-
		132572	1770.0	10	Reduced power	20.84	21.50	1.164	0.02	0.675	0.786	-
	Rear	132072	1720.0	10	Reduced power	20.74	21.50	1.191	0.11	0.747	0.890	-
		132322	1745.0	10	Reduced power	20.71	21.50	1.199	-0.07	0.743	0.891	-
		132572	1770.0	10	Reduced power	20.84	21.50	1.164	0.08	0.786	0.915	-
20M QPSK 100RB	Rear	132072	1720.0	10	Reduced power	20.67	21.50	1.211	0.09	0.762	0.922	-
		132322	1745.0	10	Reduced power	20.78	21.50	1.180	0.03	0.781	0.922	-
		132572	1770.0	10	Reduced power	20.73	21.50	1.194	-0.11	0.777	0.928	-
20M QPSK 1RB	Front	132572	1770.0	14	Full power	22.91	23.50	1.146	0.18	0.534	0.612	-
	Rear	132572	1770.0	18	Full power	22.91	23.50	1.146	0.08	0.495	0.567	-

WIFI 2.4G														
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz									(W/kg)	(W/kg)	
802.11b	Front	1	2412	10	Full power	17.86	18.00	1.033	99.50%	1.005	-	-	-	-
		6	2437	10	Full power	17.89	18.00	1.026	99.50%	1.005	-0.05	0.186	0.192	-
		11	2462	10	Full power	17.72	18.00	1.067	99.50%	1.005	-	-	-	-
	Rear	1	2412	10	Reduced power	16.86	17.00	1.033	99.50%	1.005	-	-	-	-
		6	2437	10	Reduced power	16.89	17.00	1.026	99.50%	1.005	-0.11	0.221	0.228	33
		11	2462	10	Reduced power	16.72	17.00	1.067	99.50%	1.005	-	-	-	-
	Rear	6	2437	12.0	Full power	17.89	18.00	1.026	99.50%	1.005	-0.06	0.209	0.215	-

WIFI 5G U-NII-1														
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz									(W/kg)	(W/kg)	
802.11a	Front	36	5180	10	Reduced power	13.91	14.00	1.021	96.77%	1.033	-0.10	0.389	0.410	-
		44	5220	10	Reduced power	13.54	14.00	1.112	96.77%	1.033	-	-	-	-
		48	5240	10	Reduced power	13.60	14.00	1.096	96.77%	1.033	-	-	-	-
	Rear	36	5180	10	Reduced power	12.91	13.00	1.021	96.77%	1.033	-0.12	0.437	0.461	34
		44	5220	10	Reduced power	12.54	13.00	1.112	96.77%	1.033	-	-	-	-
		48	5240	10	Reduced power	12.60	13.00	1.096	96.77%	1.033	-	-	-	-
	Rear	36	5180	12.0	Full power	13.91	14.00	1.021	96.77%	1.033	-0.08	0.417	0.440	-

WIFI 5G U-NII-2A														
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz									(W/kg)	(W/kg)	
802.11a	Front	52	5260	10	Full power	13.77	14.00	1.054	96.77%	1.033	-	-	-	-
		56	5280	10	Full power	14.13	14.50	1.089	96.77%	1.033	-	-	-	-
		64	5320	10	Full power	14.51	15.00	1.119	96.77%	1.033	-0.09	0.410	0.474	-
	Rear	52	5260	10	Reduced power	12.77	13.00	1.054	96.77%	1.033	-	-	-	-
		56	5280	10	Reduced power	13.13	13.50	1.089	96.77%	1.033	-	-	-	-
		64	5320	10	Reduced power	13.51	14.00	1.119	96.77%	1.033	-0.06	0.442	0.511	35
	Rear	64	5320	12.0	Full power	14.51	15.00	1.119	96.77%	1.033	-0.14	0.421	0.487	-

WIFI 5G U-NII-2C														
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz									(W/kg)	(W/kg)	
802.11a	Front	100	5500	10	Full power	13.76	14.00	1.057	96.77%	1.033	-	-	-	-
		116	5580	10	Full power	14.29	14.50	1.050	96.77%	1.033	-	-	-	-
		144	5720	10	Full power	14.31	14.50	1.045	96.77%	1.033	-0.07	0.412	0.445	-
	Rear	100	5500	10	Reduced power	12.76	13.00	1.057	96.77%	1.033	-	-	-	-
		116	5580	10	Reduced power	13.29	13.50	1.050	96.77%	1.033	-	-	-	-
		144	5720	10	Reduced power	13.31	13.50	1.045	96.77%	1.033	-0.04	0.457	0.493	36
	Rear	144	5720	12.0	Full power	14.31	14.50	1.045	96.77%	1.033	-0.11	0.430	0.464	-

WIFI 5G U-NII-3														
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz									(W/kg)	(W/kg)	
802.11a	Front	149	5745	10	Full power	14.18	14.50	1.076	96.77%	1.033	-	-	-	-
		157	5785	10	Full power	14.26	14.50	1.057	96.77%	1.033	-0.05	0.415	0.453	-
		165	5825	10	Full power	14.17	14.50	1.079	96.77%	1.033	-	-	-	-
	Rear	149	5745	10	Reduced power	13.18	13.50	1.076	96.77%	1.033	-	-	-	-
		157	5785	10	Reduced power	13.26	13.50	1.057	96.77%	1.033	-0.10	0.473	0.517	37
		165	5825	10	Reduced power	13.17	13.50	1.079	96.77%	1.033	-	-	-	-
	Rear	157	5785	12.0	Full power	14.26	14.50	1.057	96.77%	1.033	0.02	0.439	0.479	-

Bluetooth														
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz									(W/kg)	(W/kg)	
EDR GFSK	Front	0	2402	10	Full power	7.65	8.00	1.084	76.70%	1.304	-0.07	0.022	0.031	-
		39	2441	10	Full power	5.41	5.50	1.021	76.70%	1.304	-	-	-	-
		78	2480	10	Full power	7.26	7.50	1.057	76.70%	1.304	-	-	-	-
	Rear	0	2402	10	Full power	7.65	8.00	1.084	76.70%	1.304	-0.11	0.029	0.041	38
		39	2441	10	Full power	5.41	5.50	1.021	76.70%	1.304	-	-	-	-
		78	2480	10	Full power	7.26	7.50	1.057	76.70%	1.304	-	-	-	-

Appendix B:SAR Measurement Results-Hotspot

GSM850												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
GPRS 4Tx slots	Front	128	824.2	10	Reduced power	29.70	30.50	1.202	-	-	-	-
		190	836.6	10	Reduced power	29.76	30.50	1.186	-0.02	0.255	0.302	-
		251	848.8	10	Reduced power	29.59	30.50	1.233	-	-	-	-
	Rear	128	824.2	10	Reduced power	29.70	30.50	1.202	-	-	-	-
		190	836.6	10	Reduced power	29.76	30.50	1.186	-0.05	0.284	0.337	20
		251	848.8	10	Reduced power	29.59	30.50	1.233	-	-	-	-
	Left	128	824.2	10	Reduced power	29.70	30.50	1.202	-	-	-	-
		190	836.6	10	Reduced power	29.76	30.50	1.186	-0.03	0.234	0.277	-
		251	848.8	10	Reduced power	29.59	30.50	1.233	-	-	-	-
	Right	128	824.2	10	Reduced power	29.70	30.50	1.202	-	-	-	-
		190	836.6	10	Reduced power	29.76	30.50	1.186	-0.07	0.225	0.267	-
		251	848.8	10	Reduced power	29.59	30.50	1.233	-	-	-	-
	Bottom	128	824.2	10	Reduced power	29.70	30.50	1.202	-	-	-	-
		190	836.6	10	Reduced power	29.76	30.50	1.186	-0.11	0.206	0.244	-
		251	848.8	10	Reduced power	29.59	30.50	1.233	-	-	-	-

GSM1900												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
GPRS 4Tx slots	Front	512	1850.2	10	Reduced power	24.69	25.50	1.205	0.03	0.810	0.976	-
		661	1880.0	10	Reduced power	24.85	25.50	1.161	0.11	0.841	0.977	-
		810	1909.8	10	Reduced power	24.88	25.50	1.153	-0.06	0.855	0.986	-
	Rear	512	1850.2	10	Reduced power	24.69	25.50	1.205	0.15	0.917	1.105	-
		661	1880.0	10	Reduced power	24.85	25.50	1.161	0.09	0.933	1.084	-
		810	1909.8	10	Reduced power	24.88	25.50	1.153	-0.12	0.963	1.111	21
	Left	512	1850.2	10	Reduced power	24.69	25.50	1.205	-	-	-	-
		661	1880.0	10	Reduced power	24.85	25.50	1.161	-	-	-	-
		810	1909.8	10	Reduced power	24.88	25.50	1.153	-0.02	0.662	0.764	-
	Right	512	1850.2	10	Reduced power	24.69	25.50	1.205	-	-	-	-
		661	1880.0	10	Reduced power	24.85	25.50	1.161	-	-	-	-
		810	1909.8	10	Reduced power	24.88	25.50	1.153	-0.07	0.735	0.848	-
	Bottom	512	1850.2	10	Reduced power	24.69	25.50	1.205	-0.17	0.831	1.001	-
		661	1880.0	10	Reduced power	24.85	25.50	1.161	-0.03	0.848	0.985	-
		810	1909.8	10	Reduced power	24.88	25.50	1.153	-0.03	0.879	1.014	-

WCDMA Band II												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
RMC 12.2Kbps	Front	9262	1852.4	10	Reduced power	20.63	21.50	1.222	0.14	0.821	1.003	-
		9400	1880.0	10	Reduced power	20.76	21.50	1.186	-0.08	0.872	1.034	-
		9538	1907.6	10	Reduced power	20.73	21.50	1.194	0.09	0.854	1.020	-
	Rear	9262	1852.4	10	Reduced power	20.63	21.50	1.222	-0.05	0.897	1.096	-
		9400	1880.0	10	Reduced power	20.76	21.50	1.186	-0.02	0.930	1.103	22
		9538	1907.6	10	Reduced power	20.73	21.50	1.194	-0.12	0.911	1.088	-
	Left	9262	1852.4	10	Reduced power	20.63	21.50	1.222	-	-	-	-
		9400	1880.0	10	Reduced power	20.76	21.50	1.186	-0.05	0.618	0.733	-
		9538	1907.6	10	Reduced power	20.73	21.50	1.194	-	-	-	-
	Right	9262	1852.4	10	Reduced power	20.63	21.50	1.222	-	-	-	-
		9400	1880.0	10	Reduced power	20.76	21.50	1.186	-0.10	0.711	0.843	-
		9538	1907.6	10	Reduced power	20.73	21.50	1.194	-	-	-	-
	Bottom	9262	1852.4	10	Reduced power	20.63	21.50	1.222	0.09	0.839	1.025	-
		9400	1880.0	10	Reduced power	20.76	21.50	1.186	-0.07	0.885	1.049	-
		9538	1907.6	10	Reduced power	20.73	21.50	1.194	0.10	0.861	1.028	-

WCDMA Band IV												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
RMC 12.2Kbps	Front	1312	1712.4	10	Reduced power	22.31	23.00	1.172	-0.11	0.922	1.081	-
		1413	1732.6	10	Reduced power	22.36	23.00	1.159	-0.04	0.941	1.090	-
		1513	1752.6	10	Reduced power	21.99	23.00	1.262	0.07	0.863	1.089	-
	Rear	1312	1712.4	10	Reduced power	22.31	23.00	1.172	0.14	0.944	1.107	-
		1413	1732.6	10	Reduced power	22.36	23.00	1.159	-0.11	0.978	1.133	23
		1513	1752.6	10	Reduced power	21.99	23.00	1.262	0.02	0.869	1.097	-
	Left	1312	1712.4	10	Reduced power	22.31	23.00	1.172	-	-	-	-
		1413	1732.6	10	Reduced power	22.36	23.00	1.159	0.02	0.689	0.798	-
		1513	1752.6	10	Reduced power	21.99	23.00	1.262	-	-	-	-
	Right	1312	1712.4	10	Reduced power	22.31	23.00	1.172	-	-	-	-
		1413	1732.6	10	Reduced power	22.36	23.00	1.159	0.06	0.755	0.875	-
		1513	1752.6	10	Reduced power	21.99	23.00	1.262	-	-	-	-
	Bottom	1312	1712.4	10	Reduced power	22.31	23.00	1.172	0.03	0.875	1.026	-
		1413	1732.6	10	Reduced power	22.36	23.00	1.159	-0.08	0.919	1.065	-
		1513	1752.6	10	Reduced power	21.99	23.00	1.262	0.12	0.844	1.065	-

WCDMA Band V												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
RMC 12.2Kbps	Front	4132	826.4	10	Full power	23.30	24.00	1.175	-	-	-	-
		4183	836.6	10	Full power	23.34	24.00	1.164	-0.02	0.246	0.286	-
		4233	846.6	10	Full power	23.09	24.00	1.233	-	-	-	-
	Rear	4132	826.4	10	Full power	23.30	24.00	1.175	-	-	-	-
		4183	836.6	10	Full power	23.34	24.00	1.164	-0.06	0.282	0.328	24
		4233	846.6	10	Full power	23.09	24.00	1.233	-	-	-	-
	Left	4132	826.4	10	Full power	23.30	24.00	1.175	-	-	-	-
		4183	836.6	10	Full power	23.34	24.00	1.164	0.05	0.215	0.250	-
		4233	846.6	10	Full power	23.09	24.00	1.233	-	-	-	-
	Right	4132	826.4	10	Full power	23.30	24.00	1.175	-	-	-	-
		4183	836.6	10	Full power	23.34	24.00	1.164	0.08	0.189	0.220	-
		4233	846.6	10	Full power	23.09	24.00	1.233	-	-	-	-
	Bottom	4132	826.4	10	Full power	23.30	24.00	1.175	-	-	-	-
		4183	836.6	10	Full power	23.34	24.00	1.164	0.11	0.176	0.205	-
		4233	846.6	10	Full power	23.09	24.00	1.233	-	-	-	-

LTE Band 2												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
20M QPSK 1RB	Front	18700	1860.0	10	Reduced power	21.31	22.50	1.316	-0.07	0.710	0.934	-
		18900	1880.0	10	Reduced power	21.55	22.50	1.245	-0.04	0.755	0.940	-
		19100	1900.0	10	Reduced power	21.43	22.50	1.280	0.05	0.724	0.926	-
	Rear	18700	1860.0	10	Reduced power	21.31	22.50	1.316	-0.09	0.827	1.088	-
		18900	1880.0	10	Reduced power	21.55	22.50	1.245	-0.21	0.896	1.115	25
		19100	1900.0	10	Reduced power	21.43	22.50	1.280	-0.14	0.845	1.081	-
	Left	18700	1860.0	10	Reduced power	21.31	22.50	1.316	-	-	-	-
		18900	1880.0	10	Reduced power	21.55	22.50	1.245	0.07	0.598	0.744	-
		19100	1900.0	10	Reduced power	21.43	22.50	1.280	-	-	-	-
	Right	18700	1860.0	10	Reduced power	21.31	22.50	1.316	-0.11	0.659	0.867	-
		18900	1880.0	10	Reduced power	21.55	22.50	1.245	0.03	0.705	0.877	-
		19100	1900.0	10	Reduced power	21.43	22.50	1.280	-0.06	0.678	0.868	-
	Bottom	18700	1860.0	10	Reduced power	21.31	22.50	1.316	0.09	0.772	1.016	-
		18900	1880.0	10	Reduced power	21.55	22.50	1.245	-0.10	0.825	1.027	-
		19100	1900.0	10	Reduced power	21.43	22.50	1.280	0.05	0.794	1.016	-
20M QPSK 50RB	Front	18700	1860.0	10	Reduced power	20.16	21.00	1.213	-	-	-	-
		18900	1880.0	10	Reduced power	20.39	21.00	1.151	-0.09	0.631	0.726	-
		19100	1900.0	10	Reduced power	20.28	21.00	1.182	-	-	-	-
	Rear	18700	1860.0	10	Reduced power	20.16	21.00	1.213	0.11	0.707	0.858	-
		18900	1880.0	10	Reduced power	20.39	21.00	1.151	-0.02	0.724	0.833	-
		19100	1900.0	10	Reduced power	20.28	21.00	1.182	-0.08	0.712	0.841	-
	Left	18700	1860.0	10	Reduced power	20.16	21.00	1.213	-	-	-	-
		18900	1880.0	10	Reduced power	20.39	21.00	1.151	0.03	0.497	0.572	-
		19100	1900.0	10	Reduced power	20.28	21.00	1.182	-	-	-	-
	Right	18700	1860.0	10	Reduced power	20.16	21.00	1.213	-	-	-	-
		18900	1880.0	10	Reduced power	20.39	21.00	1.151	0.08	0.605	0.696	-
		19100	1900.0	10	Reduced power	20.28	21.00	1.182	-	-	-	-
	Bottom	18700	1860.0	10	Reduced power	20.16	21.00	1.213	-	-	-	-
		18900	1880.0	10	Reduced power	20.39	21.00	1.151	0.02	0.677	0.779	-
		19100	1900.0	10	Reduced power	20.28	21.00	1.182	-	-	-	-
20M QPSK 100RB	Right	18700	1860.0	10	Reduced power	20.07	21.00	1.238	-0.11	0.709	0.878	-
		18900	1880.0	10	Reduced power	20.30	21.00	1.175	-0.09	0.733	0.861	-
		19100	1900.0	10	Reduced power	20.19	21.00	1.206	0.17	0.718	0.866	-
	Bottom	18700	1860.0	10	Reduced power	20.07	21.00	1.238	-0.15	0.649	0.804	-
		18900	1880.0	10	Reduced power	20.30	21.00	1.175	-0.11	0.686	0.806	-
		19100	1900.0	10	Reduced power	20.19	21.00	1.206	-0.08	0.661	0.797	-

LTE Band 4												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
20M QPSK 1RB	Front	20050	1720.0	10	Reduced power	22.48	23.50	1.264	-0.05	0.706	0.893	-
		20175	1732.5	10	Reduced power	22.54	23.50	1.247	-0.10	0.724	0.903	-
		20300	1745.0	10	Reduced power	22.35	23.50	1.303	0.06	0.700	0.912	-
	Rear	20050	1720.0	10	Reduced power	22.48	23.50	1.264	0.09	0.837	1.058	-
		20175	1732.5	10	Reduced power	22.54	23.50	1.247	-0.16	0.868	1.083	26
		20300	1745.0	10	Reduced power	22.35	23.50	1.303	0.01	0.816	1.063	-
	Left	20050	1720.0	10	Reduced power	22.48	23.50	1.264	-	-	-	-
		20175	1732.5	10	Reduced power	22.54	23.50	1.247	0.07	0.571	0.712	-
		20300	1745.0	10	Reduced power	22.35	23.50	1.303	-	-	-	-
	Right	20050	1720.0	10	Reduced power	22.48	23.50	1.264	-0.11	0.650	0.822	-
		20175	1732.5	10	Reduced power	22.54	23.50	1.247	0.02	0.657	0.820	-
		20300	1745.0	10	Reduced power	22.35	23.50	1.303	-0.14	0.634	0.826	-
	Bottom	20050	1720.0	10	Reduced power	22.48	23.50	1.264	0.05	0.767	0.970	-
		20175	1732.5	10	Reduced power	22.54	23.50	1.247	-0.12	0.795	0.992	-
		20300	1745.0	10	Reduced power	22.35	23.50	1.303	0.07	0.743	0.968	-
20M QPSK 50RB	Front	20050	1720.0	10	Reduced power	21.41	22.00	1.144	-	-	-	-
		20175	1732.5	10	Reduced power	21.47	22.00	1.130	-0.06	0.639	0.722	-
		20300	1745.0	10	Reduced power	21.29	22.00	1.178	-	-	-	-
	Rear	20050	1720.0	10	Reduced power	21.41	22.00	1.144	0.11	0.739	0.846	-
		20175	1732.5	10	Reduced power	21.47	22.00	1.130	-0.14	0.747	0.844	-
		20300	1745.0	10	Reduced power	21.29	22.00	1.178	0.15	0.721	0.849	-
	Left	20050	1720.0	10	Reduced power	21.41	22.00	1.144	-	-	-	-
		20175	1732.5	10	Reduced power	21.47	22.00	1.130	-0.02	0.461	0.521	-
		20300	1745.0	10	Reduced power	21.29	22.00	1.178	-	-	-	-
	Right	20050	1720.0	10	Reduced power	21.41	22.00	1.144	-	-	-	-
		20175	1732.5	10	Reduced power	21.47	22.00	1.130	0.06	0.585	0.661	-
		20300	1745.0	10	Reduced power	21.29	22.00	1.178	-	-	-	-
	Bottom	20050	1720.0	10	Reduced power	21.41	22.00	1.144	-	-	-	-
		20175	1732.5	10	Reduced power	21.47	22.00	1.130	-0.11	0.688	0.777	-
		20300	1745.0	10	Reduced power	21.29	22.00	1.178	-	-	-	-
20M QPSK 100RB	Right	20050	1720.0	10	Reduced power	21.39	22.00	1.150	-0.07	0.737	0.847	-
		20175	1732.5	10	Reduced power	21.45	22.00	1.135	0.04	0.749	0.850	-
		20300	1745.0	10	Reduced power	21.27	22.00	1.183	-0.12	0.720	0.852	-
	Bottom	20050	1720.0	10	Reduced power	21.39	22.00	1.150	-	-	-	-
		20175	1732.5	10	Reduced power	21.45	22.00	1.135	0.13	0.676	0.767	-
		20300	1745.0	10	Reduced power	21.27	22.00	1.183	-	-	-	-

LTE Band 5												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
10M QPSK 1RB	Front	20450	829.0	10	Full power	23.50	24.50	1.260	-	-	-	-
		20525	836.5	10	Full power	23.70	24.50	1.202	0.02	0.289	0.347	-
		20600	844.0	10	Full power	23.55	24.50	1.244	-	-	-	-
	Rear	20450	829.0	10	Full power	23.50	24.50	1.260	-	-	-	-
		20525	836.5	10	Full power	23.70	24.50	1.202	0.05	0.346	0.416	27
		20600	844.0	10	Full power	23.55	24.50	1.244	-	-	-	-
	Left	20450	829.0	10	Full power	23.50	24.50	1.260	-	-	-	-
		20525	836.5	10	Full power	23.70	24.50	1.202	-0.04	0.167	0.201	-
		20600	844.0	10	Full power	23.55	24.50	1.244	-	-	-	-
	Right	20450	829.0	10	Full power	23.50	24.50	1.260	-	-	-	-
		20525	836.5	10	Full power	23.70	24.50	1.202	-0.08	0.148	0.178	-
		20600	844.0	10	Full power	23.55	24.50	1.244	-	-	-	-
	Bottom	20450	829.0	10	Full power	23.50	24.50	1.260	-	-	-	-
		20525	836.5	10	Full power	23.70	24.50	1.202	-0.11	0.219	0.263	-
		20600	844.0	10	Full power	23.55	24.50	1.244	-	-	-	-
10M QPSK 25RB	Front	20450	829.0	10	Full power	22.60	23.50	1.232	-	-	-	-
		20525	836.5	10	Full power	22.79	23.50	1.178	-0.07	0.275	0.324	-
		20600	844.0	10	Full power	22.65	23.50	1.217	-	-	-	-
	Rear	20450	829.0	10	Full power	22.60	23.50	1.232	-	-	-	-
		20525	836.5	10	Full power	22.79	23.50	1.178	-0.04	0.319	0.376	-
		20600	844.0	10	Full power	22.65	23.50	1.217	-	-	-	-
	Left	20450	829.0	10	Full power	22.60	23.50	1.232	-	-	-	-
		20525	836.5	10	Full power	22.79	23.50	1.178	0.05	0.146	0.172	-
		20600	844.0	10	Full power	22.65	23.50	1.217	-	-	-	-
	Right	20450	829.0	10	Full power	22.60	23.50	1.232	-	-	-	-
		20525	836.5	10	Full power	22.79	23.50	1.178	-0.09	0.127	0.150	-
		20600	844.0	10	Full power	22.65	23.50	1.217	-	-	-	-
	Bottom	20450	829.0	10	Full power	22.60	23.50	1.232	-	-	-	-
		20525	836.5	10	Full power	22.79	23.50	1.178	-0.04	0.203	0.239	-
		20600	844.0	10	Full power	22.65	23.50	1.217	-	-	-	-

LTE Band 7												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
20M QPSK 1RB	Front	20850	2510.0	10	Reduced power	20.22	21.00	1.198	-	-	-	-
		21100	2535.0	10	Reduced power	20.38	21.00	1.153	-0.07	0.260	0.300	-
		21350	2560.0	10	Reduced power	20.26	21.00	1.186	-	-	-	-
	Rear	20850	2510.0	10	Reduced power	20.22	21.00	1.198	-	-	-	-
		21100	2535.0	10	Reduced power	20.38	21.00	1.153	-0.20	0.448	0.517	28
		21350	2560.0	10	Reduced power	20.26	21.00	1.186	-	-	-	-
	Left	20850	2510.0	10	Reduced power	20.22	21.00	1.198	-	-	-	-
		21100	2535.0	10	Reduced power	20.38	21.00	1.153	-0.04	0.188	0.217	-
		21350	2560.0	10	Reduced power	20.26	21.00	1.186	-	-	-	-
	Right	20850	2510.0	10	Reduced power	20.22	21.00	1.198	-	-	-	-
		21100	2535.0	10	Reduced power	20.38	21.00	1.153	-0.06	0.235	0.271	-
		21350	2560.0	10	Reduced power	20.26	21.00	1.186	-	-	-	-
	Bottom	20850	2510.0	10	Reduced power	20.22	21.00	1.198	-	-	-	-
		21100	2535.0	10	Reduced power	20.38	21.00	1.153	-0.01	0.398	0.459	-
		21350	2560.0	10	Reduced power	20.26	21.00	1.186	-	-	-	-
20M QPSK 50RB	Front	20850	2510.0	10	Reduced power	19.16	20.00	1.213	-	-	-	-
		21100	2535.0	10	Reduced power	19.32	20.00	1.169	-0.05	0.215	0.251	-
		21350	2560.0	10	Reduced power	19.20	20.00	1.201	-	-	-	-
	Rear	20850	2510.0	10	Reduced power	19.16	20.00	1.213	-	-	-	-
		21100	2535.0	10	Reduced power	19.32	20.00	1.169	-0.09	0.387	0.453	-
		21350	2560.0	10	Reduced power	19.20	20.00	1.201	-	-	-	-
	Left	20850	2510.0	10	Reduced power	19.16	20.00	1.213	-	-	-	-
		21100	2535.0	10	Reduced power	19.32	20.00	1.169	-0.05	0.152	0.178	-
		21350	2560.0	10	Reduced power	19.20	20.00	1.201	-	-	-	-
	Right	20850	2510.0	10	Reduced power	19.16	20.00	1.213	-	-	-	-
		21100	2535.0	10	Reduced power	19.32	20.00	1.169	-0.09	0.204	0.239	-
		21350	2560.0	10	Reduced power	19.20	20.00	1.201	-	-	-	-
	Bottom	20850	2510.0	10	Reduced power	19.16	20.00	1.213	-	-	-	-
		21100	2535.0	10	Reduced power	19.32	20.00	1.169	-0.06	0.337	0.394	-
		21350	2560.0	10	Reduced power	19.20	20.00	1.201	-	-	-	-

LTE Band 12												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
10M QPSK 1RB	Front	23060	704.0	10	Full power	23.20	24.00	1.201	-	-	-	-
		23095	707.5	10	Full power	23.34	24.00	1.164	-0.05	0.211	0.246	-
		23130	711.0	10	Full power	23.14	24.00	1.219	-	-	-	-
	Rear	23060	704.0	10	Full power	23.20	24.00	1.201	-	-	-	-
		23095	707.5	10	Full power	23.34	24.00	1.164	-0.08	0.242	0.282	29
		23130	711.0	10	Full power	23.14	24.00	1.219	-	-	-	-
	Left	23060	704.0	10	Full power	23.20	24.00	1.201	-	-	-	-
		23095	707.5	10	Full power	23.34	24.00	1.164	-0.02	0.125	0.146	-
		23130	711.0	10	Full power	23.14	24.00	1.219	-	-	-	-
	Right	23060	704.0	10	Full power	23.20	24.00	1.201	-	-	-	-
		23095	707.5	10	Full power	23.34	24.00	1.164	-0.06	0.122	0.142	-
		23130	711.0	10	Full power	23.14	24.00	1.219	-	-	-	-
	Bottom	23060	704.0	10	Full power	23.20	24.00	1.201	-	-	-	-
		23095	707.5	10	Full power	23.34	24.00	1.164	-0.06	0.083	0.097	-
		23130	711.0	10	Full power	23.14	24.00	1.219	-	-	-	-
10M QPSK 25RB	Front	23060	704.0	10	Full power	22.42	23.50	1.283	-	-	-	-
		23095	707.5	10	Full power	22.55	23.50	1.245	-0.02	0.188	0.234	-
		23130	711.0	10	Full power	22.36	23.50	1.301	-	-	-	-
	Rear	23060	704.0	10	Full power	22.42	23.50	1.283	-	-	-	-
		23095	707.5	10	Full power	22.55	23.50	1.245	-0.09	0.205	0.255	-
		23130	711.0	10	Full power	22.36	23.50	1.301	-	-	-	-
	Left	23060	704.0	10	Full power	22.42	23.50	1.283	-	-	-	-
		23095	707.5	10	Full power	22.55	23.50	1.245	-0.02	0.105	0.131	-
		23130	711.0	10	Full power	22.36	23.50	1.301	-	-	-	-
	Right	23060	704.0	10	Full power	22.42	23.50	1.283	-	-	-	-
		23095	707.5	10	Full power	22.55	23.50	1.245	-0.09	0.103	0.128	-
		23130	711.0	10	Full power	22.36	23.50	1.301	-	-	-	-
	Bottom	23060	704.0	10	Full power	22.42	23.50	1.283	-	-	-	-
		23095	707.5	10	Full power	22.55	23.50	1.245	-0.11	0.061	0.076	-
		23130	711.0	10	Full power	22.36	23.50	1.301	-	-	-	-

LTE Band 13												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
10M QPSK 1RB	Front	23230	782.0	10	Full power	22.98	23.50	1.127	-0.02	0.285	0.321	-
	Rear	23230	782.0	10	Full power	22.98	23.50	1.127	-0.04	0.313	0.353	30
	Left	23230	782.0	10	Full power	22.98	23.50	1.127	-0.09	0.154	0.174	-
	Right	23230	782.0	10	Full power	22.98	23.50	1.127	0.03	0.147	0.166	-
	Bottom	23230	782.0	10	Full power	22.98	23.50	1.127	0.04	0.079	0.089	-
10M QPSK 25RB	Front	23230	782.0	10	Full power	22.22	23.00	1.197	0.08	0.256	0.306	-
	Rear	23230	782.0	10	Full power	22.22	23.00	1.197	-0.03	0.286	0.342	-
	Left	23230	782.0	10	Full power	22.22	23.00	1.197	-0.12	0.132	0.158	-
	Right	23230	782.0	10	Full power	22.22	23.00	1.197	-0.10	0.139	0.166	-
	Bottom	23230	782.0	10	Full power	22.22	23.00	1.197	0.06	0.059	0.071	-

LTE Band 14												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
10M QPSK 1RB	Front	23330	793.0	10	Full power	23.53	24.50	1.250	-0.02	0.286	0.358	-
	Rear	23330	793.0	10	Full power	23.53	24.50	1.250	0.09	0.306	0.383	31
	Left	23330	793.0	10	Full power	23.53	24.50	1.250	0.03	0.167	0.209	-
	Right	23330	793.0	10	Full power	23.53	24.50	1.250	0.06	0.153	0.191	-
	Bottom	23330	793.0	10	Full power	23.53	24.50	1.250	-0.11	0.189	0.236	-
10M QPSK 25RB	Front	23330	793.0	10	Full power	22.63	23.50	1.222	-0.05	0.254	0.310	-
	Rear	23330	793.0	10	Full power	22.63	23.50	1.222	-0.10	0.276	0.337	-
	Left	23330	793.0	10	Full power	22.63	23.50	1.222	-0.02	0.144	0.176	-
	Right	23330	793.0	10	Full power	22.63	23.50	1.222	0.05	0.136	0.166	-
	Bottom	23330	793.0	10	Full power	22.63	23.50	1.222	-0.07	0.157	0.192	-

LTE Band 66												
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
20M QPSK 1RB	Front	132072	1720.0	10	Reduced power	21.89	22.50	1.151	-0.15	0.773	0.890	-
		132322	1745.0	10	Reduced power	21.77	22.50	1.183	0.03	0.755	0.893	-
		132572	1770.0	10	Reduced power	21.91	22.50	1.146	0.06	0.783	0.897	-
	Rear	132072	1720.0	10	Reduced power	21.89	22.50	1.151	-0.04	0.874	1.006	-
		132322	1745.0	10	Reduced power	21.77	22.50	1.183	-0.06	0.855	1.012	-
		132572	1770.0	10	Reduced power	21.91	22.50	1.146	-0.21	0.891	1.021	32
	Left	132072	1720.0	10	Reduced power	21.89	22.50	1.151	-	-	-	-
		132322	1745.0	10	Reduced power	21.77	22.50	1.183	-	-	-	-
		132572	1770.0	10	Reduced power	21.91	22.50	1.146	-0.05	0.614	0.703	-
	Right	132072	1720.0	10	Reduced power	21.89	22.50	1.151	-0.11	0.741	0.853	-
		132322	1745.0	10	Reduced power	21.77	22.50	1.183	-0.09	0.732	0.866	-
		132572	1770.0	10	Reduced power	21.91	22.50	1.146	0.10	0.754	0.864	-
	Bottom	132072	1720.0	10	Reduced power	21.89	22.50	1.151	0.03	0.753	0.867	-
		132322	1745.0	10	Reduced power	21.77	22.50	1.183	0.05	0.742	0.878	-
		132572	1770.0	10	Reduced power	21.91	22.50	1.146	-0.08	0.780	0.894	-
20M QPSK 50RB	Front	132072	1720.0	10	Reduced power	20.74	21.50	1.191	-	-	-	-
		132322	1745.0	10	Reduced power	20.71	21.50	1.199	-	-	-	-
		132572	1770.0	10	Reduced power	20.84	21.50	1.164	0.02	0.675	0.786	-
	Rear	132072	1720.0	10	Reduced power	20.74	21.50	1.191	0.11	0.747	0.890	-
		132322	1745.0	10	Reduced power	20.71	21.50	1.199	-0.07	0.743	0.891	-
		132572	1770.0	10	Reduced power	20.84	21.50	1.164	0.08	0.786	0.915	-
	Left	132072	1720.0	10	Reduced power	20.74	21.50	1.191	-	-	-	-
		132322	1745.0	10	Reduced power	20.71	21.50	1.199	-	-	-	-
		132572	1770.0	10	Reduced power	20.84	21.50	1.164	-0.03	0.563	0.655	-
	Right	132072	1720.0	10	Reduced power	20.74	21.50	1.191	-	-	-	-
		132322	1745.0	10	Reduced power	20.71	21.50	1.199	-	-	-	-
		132572	1770.0	10	Reduced power	20.84	21.50	1.164	-0.06	0.677	0.788	-
	Bottom	132072	1720.0	10	Reduced power	20.74	21.50	1.191	-	-	-	-
		132322	1745.0	10	Reduced power	20.71	21.50	1.199	-	-	-	-
		132572	1770.0	10	Reduced power	20.84	21.50	1.164	-0.09	0.671	0.781	-
20M QPSK 100RB	Right	132072	1720.0	10	Reduced power	20.67	21.50	1.211	0.09	0.762	0.922	-
		132322	1745.0	10	Reduced power	20.78	21.50	1.180	0.03	0.781	0.922	-
		132572	1770.0	10	Reduced power	20.73	21.50	1.194	-0.11	0.777	0.928	-
	Bottom	132072	1720.0	10	Reduced power	20.67	21.50	1.211	-	-	-	-
		132322	1745.0	10	Reduced power	20.78	21.50	1.180	-	-	-	-
		132572	1770.0	10	Reduced power	20.73	21.50	1.194	0.18	0.659	0.787	-

WIFI 2.4G														
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz									(W/kg)	(W/kg)	
802.11b	Front	1	2412.0	10	Full power	17.86	18.00	1.033	99.50%	1.005	-	-	-	-
		6	2437.0	10	Full power	17.89	18.00	1.026	99.50%	1.005	-0.05	0.186	0.192	-
		11	2462.0	10	Full power	17.72	18.00	1.067	99.50%	1.005	-	-	-	-
	Rear	1	2412.0	10	Reduced power	16.86	17.00	1.033	99.50%	1.005	-	-	-	-
		6	2437.0	10	Reduced power	16.89	17.00	1.026	99.50%	1.005	-0.11	0.221	0.228	33
		11	2462.0	10	Reduced power	16.72	17.00	1.067	99.50%	1.005	-	-	-	-
	Right	1	2412.0	10	Full power	17.86	18.00	1.033	99.50%	1.005	-	-	-	-
		6	2437.0	10	Full power	17.89	18.00	1.026	99.50%	1.005	-0.02	0.172	0.177	-
		11	2462.0	10	Full power	17.72	18.00	1.067	99.50%	1.005	-	-	-	-
	Top	1	2412.0	10	Reduced power	16.86	17.00	1.033	99.50%	1.005	-	-	-	-
		6	2437.0	10	Reduced power	16.89	17.00	1.026	99.50%	1.005	-0.06	0.158	0.163	-
		11	2462.0	10	Reduced power	16.72	17.00	1.067	99.50%	1.005	-	-	-	-

WIFI 5G U-NII-1														
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz									(W/kg)	(W/kg)	
802.11a	Front	36	5180.0	10	Full power	13.91	14.00	1.021	96.77%	1.033	-0.10	0.389	0.410	-
		44	5220.0	10	Full power	13.54	14.00	1.112	96.77%	1.033	-	-	-	-
		48	5240.0	10	Full power	13.60	14.00	1.096	96.77%	1.033	-	-	-	-
	Rear	36	5180.0	10	Reduced power	12.91	13.00	1.021	96.77%	1.033	-0.12	0.437	0.461	34
		44	5220.0	10	Reduced power	12.54	13.00	1.112	96.77%	1.033	-	-	-	-
		48	5240.0	10	Reduced power	12.60	13.00	1.096	96.77%	1.033	-	-	-	-
	Right	36	5180.0	10	Full power	13.91	14.00	1.021	96.77%	1.033	-0.06	0.375	0.396	-
		44	5220.0	10	Full power	13.54	14.00	1.112	96.77%	1.033	-	-	-	-
		48	5240.0	10	Full power	13.60	14.00	1.096	96.77%	1.033	-	-	-	-
	Top	36	5180.0	10	Reduced power	12.91	13.00	1.021	96.77%	1.033	-0.02	0.392	0.414	-
		44	5220.0	10	Reduced power	12.54	13.00	1.112	96.77%	1.033	-	-	-	-
		48	5240.0	10	Reduced power	12.60	13.00	1.096	96.77%	1.033	-	-	-	-

WIFI 5G U-NII-3														
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz									(W/kg)	(W/kg)	
802.11a	Front	149	5745.0	10	Full power	14.18	14.50	1.076	96.77%	1.033	-	-	-	-
		157	5785.0	10	Full power	14.26	14.50	1.057	96.77%	1.033	-0.05	0.415	0.453	-
		165	5825.0	10	Full power	14.17	14.50	1.079	96.77%	1.033	-	-	-	-
	Rear	149	5745.0	10	Reduced power	14.18	14.50	1.076	96.77%	1.033	-	-	-	-
		157	5785.0	10	Reduced power	14.26	14.50	1.057	96.77%	1.033	-0.10	0.473	0.517	37
		165	5825.0	10	Reduced power	14.17	14.50	1.079	96.77%	1.033	-	-	-	-
	Right	149	5745.0	10	Full power	14.18	14.50	1.076	96.77%	1.033	-	-	-	-
		157	5785.0	10	Full power	14.26	14.50	1.057	96.77%	1.033	-0.02	0.386	0.422	-
		165	5825.0	10	Full power	14.17	14.50	1.079	96.77%	1.033	-	-	-	-
	Top	149	5745.0	10	Reduced power	14.18	14.50	1.076	96.77%	1.033	-	-	-	-
		157	5785.0	10	Reduced power	14.26	14.50	1.057	96.77%	1.033	-0.09	0.359	0.392	-
		165	5825.0	10	Reduced power	14.17	14.50	1.079	96.77%	1.033	-	-	-	-

Bluetooth														
Mode	Test Position	Frequency		Distance (mm)	Power Reduction	Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz									(W/kg)	(W/kg)	
EDR GFSK	Front	0	2402.0	10	Full power	7.65	8.00	1.084	76.70%	1.304	-0.07	0.022	0.031	-
		39	2441.0	10	Full power	5.41	5.50	1.021	76.70%	1.304	-	-	-	-
		78	2480.0	10	Full power	7.26	7.50	1.057	76.70%	1.304	-	-	-	-
	Rear	0	2402.0	10	Full power	7.65	8.00	1.084	76.70%	1.304	-0.11	0.029	0.041	38
		39	2441.0	10	Full power	5.41	5.50	1.021	76.70%	1.304	-	-	-	-
		78	2480.0	10	Full power	7.26	7.50	1.057	76.70%	1.304	-	-	-	-
	Right	0	2402.0	10	Full power	7.65	8.00	1.084	76.70%	1.304	-0.05	0.024	0.034	-
		39	2441.0	10	Full power	5.41	5.50	1.021	76.70%	1.304	-	-	-	-
		78	2480.0	10	Full power	7.26	7.50	1.057	76.70%	1.304	-	-	-	-
	Top	0	2402.0	10	Full power	7.65	8.00	1.084	76.70%	1.304	-0.1	0.019	0.027	-
		39	2441.0	10	Full power	5.41	5.50	1.021	76.70%	1.304	-	-	-	-
		78	2480.0	10	Full power	7.26	7.50	1.057	76.70%	1.304	-	-	-	-

Appendix C: Simultaneous Transmission analysis-Head

WWAN + WIFI 2.4G					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	WLAN DTS	(W/kg)
GSM	GSM850	Left Touch	0.301	0.357	0.658
		Left Tilt	0.273	0.325	0.598
		Right Touch	0.332	0.315	0.647
		Right Tilt	0.317	0.298	0.615
	GSM1900	Left Touch	0.242	0.357	0.599
		Left Tilt	0.213	0.325	0.538
		Right Touch	0.208	0.315	0.523
		Right Tilt	0.182	0.298	0.480
WCDMA	Band II	Left Touch	0.243	0.357	0.600
		Left Tilt	0.206	0.325	0.531
		Right Touch	0.223	0.315	0.538
		Right Tilt	0.180	0.298	0.478
	Band IV	Left Touch	0.133	0.357	0.490
		Left Tilt	0.116	0.325	0.441
		Right Touch	0.156	0.315	0.471
		Right Tilt	0.122	0.298	0.420
	Band V	Left Touch	0.295	0.357	0.652
		Left Tilt	0.265	0.325	0.590
		Right Touch	0.324	0.315	0.639
		Right Tilt	0.303	0.298	0.601
	B2 1RB	Left Touch	0.210	0.357	0.567
		Left Tilt	0.177	0.325	0.502
		Right Touch	0.192	0.315	0.507
		Right Tilt	0.168	0.298	0.466
	B2 50RB	Left Touch	0.182	0.357	0.539
		Left Tilt	0.154	0.325	0.479
		Right Touch	0.161	0.315	0.476
		Right Tilt	0.146	0.298	0.444
	B4 1RB	Left Touch	0.181	0.357	0.538
		Left Tilt	0.165	0.325	0.490
		Right Touch	0.197	0.315	0.512
		Right Tilt	0.175	0.298	0.473
	B4 50RB	Left Touch	0.148	0.357	0.505
		Left Tilt	0.140	0.325	0.465
		Right Touch	0.163	0.315	0.478
		Right Tilt	0.147	0.298	0.445

LTE	B5 1RB	Left Touch	0.343	0.357	0.700
		Left Tilt	0.329	0.325	0.654
		Right Touch	0.373	0.315	0.688
		Right Tilt	0.351	0.298	0.649
	B5 25RB	Left Touch	0.300	0.357	0.657
		Left Tilt	0.268	0.325	0.593
		Right Touch	0.353	0.315	0.668
		Right Tilt	0.310	0.298	0.608
	B7 1RB	Left Touch	0.054	0.357	0.411
		Left Tilt	0.044	0.325	0.369
		Right Touch	0.037	0.315	0.352
		Right Tilt	0.031	0.298	0.329
	B7 50RB	Left Touch	0.037	0.357	0.394
		Left Tilt	0.032	0.325	0.357
		Right Touch	0.029	0.315	0.344
		Right Tilt	0.022	0.298	0.320
	B12 1RB	Left Touch	0.175	0.357	0.532
		Left Tilt	0.169	0.325	0.494
		Right Touch	0.192	0.315	0.507
		Right Tilt	0.178	0.298	0.476
	B12 25RB	Left Touch	0.168	0.357	0.525
		Left Tilt	0.156	0.325	0.481
		Right Touch	0.187	0.315	0.502
		Right Tilt	0.172	0.298	0.470
	B13 1RB	Left Touch	0.255	0.357	0.612
		Left Tilt	0.220	0.325	0.545
		Right Touch	0.277	0.315	0.592
		Right Tilt	0.246	0.298	0.544
	B13 25RB	Left Touch	0.242	0.357	0.599
		Left Tilt	0.209	0.325	0.534
		Right Touch	0.336	0.315	0.651
		Right Tilt	0.239	0.298	0.537
	B14 1RB	Left Touch	0.316	0.357	0.673
		Left Tilt	0.290	0.325	0.615
		Right Touch	0.374	0.315	0.689
		Right Tilt	0.325	0.298	0.623
	B14 25RB	Left Touch	0.293	0.357	0.650
		Left Tilt	0.264	0.325	0.589
		Right Touch	0.336	0.315	0.651
		Right Tilt	0.308	0.298	0.606
	B66 1RB	Left Touch	0.197	0.357	0.554
		Left Tilt	0.173	0.325	0.498
		Right Touch	0.212	0.315	0.527
		Right Tilt	0.187	0.298	0.485
	B66 50RB	Left Touch	0.190	0.357	0.547
		Left Tilt	0.168	0.325	0.493
		Right Touch	0.205	0.315	0.520
		Right Tilt	0.184	0.298	0.482

WWAN + WIFI 5G					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	WLAN U-NII	(W/kg)
GSM	GSM850	Left Touch	0.301	0.280	0.581
		Left Tilt	0.273	0.262	0.535
		Right Touch	0.332	0.251	0.583
		Right Tilt	0.317	0.229	0.546
	GSM1900	Left Touch	0.242	0.280	0.522
		Left Tilt	0.213	0.262	0.475
		Right Touch	0.208	0.251	0.459
		Right Tilt	0.182	0.229	0.411
WCDMA	Band II	Left Touch	0.243	0.280	0.523
		Left Tilt	0.206	0.262	0.468
		Right Touch	0.223	0.251	0.474
		Right Tilt	0.180	0.229	0.409
	Band IV	Left Touch	0.133	0.280	0.413
		Left Tilt	0.116	0.262	0.378
		Right Touch	0.156	0.251	0.407
		Right Tilt	0.122	0.229	0.351
	Band V	Left Touch	0.295	0.280	0.575
		Left Tilt	0.265	0.262	0.527
		Right Touch	0.324	0.251	0.575
		Right Tilt	0.303	0.229	0.532
	B2 1RB	Left Touch	0.210	0.280	0.490
		Left Tilt	0.177	0.262	0.439
		Right Touch	0.192	0.251	0.443
		Right Tilt	0.168	0.229	0.397
	B2 50RB	Left Touch	0.182	0.280	0.462
		Left Tilt	0.154	0.262	0.416
		Right Touch	0.161	0.251	0.412
		Right Tilt	0.146	0.229	0.375
	B4 1RB	Left Touch	0.181	0.280	0.461
		Left Tilt	0.165	0.262	0.427
		Right Touch	0.197	0.251	0.448
		Right Tilt	0.175	0.229	0.404
	B4 50RB	Left Touch	0.148	0.280	0.428
		Left Tilt	0.140	0.262	0.402
		Right Touch	0.163	0.251	0.414
		Right Tilt	0.147	0.229	0.376

LTE	B5 1RB	Left Touch	0.343	0.280	0.623
		Left Tilt	0.329	0.262	0.591
		Right Touch	0.373	0.251	0.624
		Right Tilt	0.351	0.229	0.580
	B5 25RB	Left Touch	0.300	0.280	0.580
		Left Tilt	0.268	0.262	0.530
		Right Touch	0.353	0.251	0.604
		Right Tilt	0.310	0.229	0.539
	B7 1RB	Left Touch	0.054	0.280	0.334
		Left Tilt	0.044	0.262	0.306
		Right Touch	0.037	0.251	0.288
		Right Tilt	0.031	0.229	0.260
	B7 50RB	Left Touch	0.037	0.280	0.317
		Left Tilt	0.032	0.262	0.294
		Right Touch	0.029	0.251	0.280
		Right Tilt	0.022	0.229	0.251
	B12 1RB	Left Touch	0.175	0.280	0.455
		Left Tilt	0.169	0.262	0.431
		Right Touch	0.192	0.251	0.443
		Right Tilt	0.178	0.229	0.407
	B12 25RB	Left Touch	0.168	0.280	0.448
		Left Tilt	0.156	0.262	0.418
		Right Touch	0.187	0.251	0.438
		Right Tilt	0.172	0.229	0.401
	B13 1RB	Left Touch	0.255	0.280	0.535
		Left Tilt	0.220	0.262	0.482
		Right Touch	0.277	0.251	0.528
		Right Tilt	0.246	0.229	0.475
	B13 25RB	Left Touch	0.242	0.280	0.522
		Left Tilt	0.209	0.262	0.471
		Right Touch	0.336	0.251	0.587
		Right Tilt	0.239	0.229	0.468
	B14 1RB	Left Touch	0.316	0.280	0.596
		Left Tilt	0.290	0.262	0.552
		Right Touch	0.374	0.251	0.625
		Right Tilt	0.325	0.229	0.554
	B14 25RB	Left Touch	0.293	0.280	0.573
		Left Tilt	0.264	0.262	0.526
		Right Touch	0.336	0.251	0.587
		Right Tilt	0.308	0.229	0.537
	B66 1RB	Left Touch	0.197	0.280	0.477
		Left Tilt	0.173	0.262	0.435
		Right Touch	0.212	0.251	0.463
		Right Tilt	0.187	0.229	0.416
	B66 50RB	Left Touch	0.190	0.280	0.470
		Left Tilt	0.168	0.262	0.430
		Right Touch	0.205	0.251	0.456
		Right Tilt	0.184	0.229	0.413

WWAN + BT					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	BT	(W/kg)
GSM	GSM850	Left Touch	0.301	0.069	0.370
		Left Tilt	0.273	0.058	0.331
		Right Touch	0.332	0.051	0.383
		Right Tilt	0.317	0.042	0.359
	GSM1900	Left Touch	0.242	0.069	0.311
		Left Tilt	0.213	0.058	0.271
		Right Touch	0.208	0.051	0.259
		Right Tilt	0.182	0.042	0.224
WCDMA	Band II	Left Touch	0.243	0.069	0.312
		Left Tilt	0.206	0.058	0.264
		Right Touch	0.223	0.051	0.274
		Right Tilt	0.180	0.042	0.222
	Band IV	Left Touch	0.133	0.069	0.202
		Left Tilt	0.116	0.058	0.174
		Right Touch	0.156	0.051	0.207
		Right Tilt	0.122	0.042	0.164
	Band V	Left Touch	0.295	0.069	0.364
		Left Tilt	0.265	0.058	0.323
		Right Touch	0.324	0.051	0.375
		Right Tilt	0.303	0.042	0.345
	B2 1RB	Left Touch	0.210	0.069	0.279
		Left Tilt	0.177	0.058	0.235
		Right Touch	0.192	0.051	0.243
		Right Tilt	0.168	0.042	0.210
	B2 50RB	Left Touch	0.182	0.069	0.251
		Left Tilt	0.154	0.058	0.212
		Right Touch	0.161	0.051	0.212
		Right Tilt	0.146	0.042	0.188
	B4 1RB	Left Touch	0.181	0.069	0.250
		Left Tilt	0.165	0.058	0.223
		Right Touch	0.197	0.051	0.248
		Right Tilt	0.175	0.042	0.217
	B4 50RB	Left Touch	0.148	0.069	0.217
		Left Tilt	0.140	0.058	0.198
		Right Touch	0.163	0.051	0.214
		Right Tilt	0.147	0.042	0.189

LTE	B5 1RB	Left Touch	0.343	0.069	0.412
		Left Tilt	0.329	0.058	0.387
		Right Touch	0.373	0.051	0.424
		Right Tilt	0.351	0.042	0.393
	B5 25RB	Left Touch	0.300	0.069	0.369
		Left Tilt	0.268	0.058	0.326
		Right Touch	0.353	0.051	0.404
		Right Tilt	0.310	0.042	0.352
	B7 1RB	Left Touch	0.054	0.069	0.123
		Left Tilt	0.044	0.058	0.102
		Right Touch	0.037	0.051	0.088
		Right Tilt	0.031	0.042	0.073
	B7 50RB	Left Touch	0.037	0.069	0.106
		Left Tilt	0.032	0.058	0.090
		Right Touch	0.029	0.051	0.080
		Right Tilt	0.022	0.042	0.064
	B12 1RB	Left Touch	0.175	0.069	0.244
		Left Tilt	0.169	0.058	0.227
		Right Touch	0.192	0.051	0.243
		Right Tilt	0.178	0.042	0.220
	B12 25RB	Left Touch	0.168	0.069	0.237
		Left Tilt	0.156	0.058	0.214
		Right Touch	0.187	0.051	0.238
		Right Tilt	0.172	0.042	0.214
	B13 1RB	Left Touch	0.255	0.069	0.324
		Left Tilt	0.220	0.058	0.278
		Right Touch	0.277	0.051	0.328
		Right Tilt	0.246	0.042	0.288
	B13 25RB	Left Touch	0.242	0.069	0.311
		Left Tilt	0.209	0.058	0.267
		Right Touch	0.336	0.051	0.387
		Right Tilt	0.239	0.042	0.281
	B14 1RB	Left Touch	0.316	0.069	0.385
		Left Tilt	0.290	0.058	0.348
		Right Touch	0.374	0.051	0.425
		Right Tilt	0.325	0.042	0.367
	B14 25RB	Left Touch	0.293	0.069	0.362
		Left Tilt	0.264	0.058	0.322
		Right Touch	0.336	0.051	0.387
		Right Tilt	0.308	0.042	0.350
	B66 1RB	Left Touch	0.197	0.069	0.266
		Left Tilt	0.173	0.058	0.231
		Right Touch	0.212	0.051	0.263
		Right Tilt	0.187	0.042	0.229
	B66 50RB	Left Touch	0.190	0.069	0.259
		Left Tilt	0.168	0.058	0.226
		Right Touch	0.205	0.051	0.256
		Right Tilt	0.184	0.042	0.226

Appendix C: Simultaneous Transmission analysis-Body

WWAN + WIFI 2.4G					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	WLAN DTS	(W/kg)
GSM	GSM850	Front	0.302	0.192	0.494
		Rear	0.337	0.228	0.565
	GSM1900	Front	0.986	0.192	1.178
		Rear	1.111	0.228	1.339
WCDMA	Band II	Front	1.034	0.192	1.226
		Rear	1.103	0.228	1.331
	Band IV	Front	1.090	0.192	1.282
		Rear	1.133	0.228	1.361
	Band V	Front	0.286	0.192	0.478
		Rear	0.328	0.228	0.556
LTE	B2 1RB	Front	0.940	0.192	1.132
		Rear	1.115	0.228	1.343
	B2 50RB	Front	0.726	0.192	0.918
		Rear	0.833	0.228	1.061
	B4 1RB	Front	0.903	0.192	1.095
		Rear	1.083	0.228	1.311
	B4 50RB	Front	0.722	0.192	0.914
		Rear	0.844	0.228	1.072
	B5 1RB	Front	0.347	0.192	0.539
		Rear	0.416	0.228	0.644
	B5 25RB	Front	0.324	0.192	0.516
		Rear	0.376	0.228	0.604
	B7 1RB	Front	0.300	0.192	0.492
		Rear	0.517	0.228	0.745
	B7 50RB	Front	0.251	0.192	0.443
		Rear	0.453	0.228	0.681
	B12 1RB	Front	0.246	0.192	0.438
		Rear	0.282	0.228	0.510
	B12 25RB	Front	0.234	0.192	0.426
		Rear	0.255	0.228	0.483
	B13 1RB	Front	0.321	0.192	0.513
		Rear	0.353	0.228	0.581
	B13 25RB	Front	0.306	0.192	0.498
		Rear	0.342	0.228	0.570
	B14 1RB	Front	0.358	0.192	0.550
		Rear	0.383	0.228	0.611
	B14 25RB	Front	0.310	0.192	0.502
		Rear	0.337	0.228	0.565
	B66 1RB	Front	0.897	0.192	1.089
		Rear	1.021	0.228	1.249
	B66 50RB	Front	0.786	0.192	0.978
		Rear	0.915	0.228	1.143

WWAN + WIFI 5G						
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR	SPLSR
			WWAN	WLAN U-NII	(W/kg)	
GSM	GSM850	Front	0.302	0.474	0.776	N/A
		Rear	0.337	0.517	0.854	N/A
	GSM1900	Front	0.986	0.474	1.460	N/A
		Rear	1.111	0.517	See Note 1	0.012
WCDMA	Band II	Front	1.034	0.474	1.508	N/A
		Rear	1.103	0.517	See Note 1	0.012
	Band IV	Front	1.090	0.474	1.564	N/A
		Rear	1.133	0.517	See Note 1	0.012
	Band V	Front	0.286	0.474	0.760	N/A
		Rear	0.328	0.517	0.845	N/A
LTE	B2 1RB	Front	0.940	0.474	1.414	N/A
		Rear	1.115	0.517	See Note 1	0.013
	B2 50RB	Front	0.726	0.474	1.200	N/A
		Rear	0.833	0.517	1.350	N/A
	B4 1RB	Front	0.903	0.474	1.377	N/A
		Rear	1.083	0.517	See Note 1	0.010
	B4 50RB	Front	0.722	0.474	1.196	N/A
		Rear	0.844	0.517	1.361	N/A
	B5 1RB	Front	0.347	0.474	0.821	N/A
		Rear	0.416	0.517	0.933	N/A
	B5 25RB	Front	0.324	0.474	0.798	N/A
		Rear	0.376	0.517	0.893	N/A
	B7 1RB	Front	0.300	0.474	0.774	N/A
		Rear	0.517	0.517	1.034	N/A
	B7 50RB	Front	0.251	0.474	0.725	N/A
		Rear	0.453	0.517	0.970	N/A
	B12 1RB	Front	0.246	0.474	0.720	N/A
		Rear	0.282	0.517	0.799	N/A
	B12 25RB	Front	0.234	0.474	0.708	N/A
		Rear	0.255	0.517	0.772	N/A
	B13 1RB	Front	0.321	0.474	0.795	N/A
		Rear	0.353	0.517	0.870	N/A
	B13 25RB	Front	0.306	0.474	0.780	N/A
		Rear	0.342	0.517	0.859	N/A
	B14 1RB	Front	0.358	0.474	0.832	N/A
		Rear	0.383	0.517	0.900	N/A
	B14 25RB	Front	0.310	0.474	0.784	N/A
		Rear	0.337	0.517	0.854	N/A
	B66 1RB	Front	0.897	0.474	1.371	N/A
		Rear	1.021	0.517	1.538	N/A
	B66 50RB	Front	0.786	0.474	1.260	N/A
		Rear	0.915	0.517	1.432	N/A

WWAN + BT					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	BT	(W/kg)
GSM	GSM850	Front	0.302	0.031	0.333
		Rear	0.337	0.041	0.378
	GSM1900	Front	0.986	0.031	1.017
		Rear	1.111	0.041	1.152
WCDMA	Band II	Front	1.034	0.031	1.065
		Rear	1.103	0.041	1.144
	Band IV	Front	1.090	0.031	1.121
		Rear	1.133	0.041	1.174
	Band V	Front	0.286	0.031	0.317
		Rear	0.328	0.041	0.369
LTE	B2 1RB	Front	0.940	0.031	0.971
		Rear	1.115	0.041	1.156
	B2 50RB	Front	0.726	0.031	0.757
		Rear	0.833	0.041	0.874
	B4 1RB	Front	0.903	0.031	0.934
		Rear	1.083	0.041	1.124
	B4 50RB	Front	0.722	0.031	0.753
		Rear	0.844	0.041	0.885
	B5 1RB	Front	0.347	0.031	0.378
		Rear	0.416	0.041	0.457
	B5 25RB	Front	0.324	0.031	0.355
		Rear	0.376	0.041	0.417
	B7 1RB	Front	0.300	0.031	0.331
		Rear	0.517	0.041	0.558
	B7 50RB	Front	0.251	0.031	0.282
		Rear	0.453	0.041	0.494
	B12 1RB	Front	0.246	0.031	0.277
		Rear	0.282	0.041	0.323
	B12 25RB	Front	0.234	0.031	0.265
		Rear	0.255	0.041	0.296
	B13 1RB	Front	0.321	0.031	0.352
		Rear	0.353	0.041	0.394
	B13 25RB	Front	0.306	0.031	0.337
		Rear	0.342	0.041	0.383
	B14 1RB	Front	0.358	0.031	0.389
		Rear	0.383	0.041	0.424
	B14 25RB	Front	0.310	0.031	0.341
		Rear	0.337	0.041	0.378
	B66 1RB	Front	0.897	0.031	0.928
		Rear	1.021	0.041	1.062
	B66 50RB	Front	0.786	0.031	0.817
		Rear	0.915	0.041	0.956

Appendix C: Simultaneous Transmission analysis-Hotspot

WWAN + WIFI 2.4G					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	WLAN DTS	(W/kg)
GSM	GSM850	Front	0.302	0.192	0.494
		Rear	0.337	0.228	0.565
		Left side	0.277	-	0.277
		Right side	0.267	0.177	0.444
		Top side	-	0.163	0.163
		Bottom side	0.244	-	0.244
	GSM1900	Front	0.986	0.192	1.178
		Rear	1.111	0.228	1.339
		Left side	0.764	-	0.764
		Right side	0.848	0.177	1.025
		Top side	-	0.163	0.163
		Bottom side	1.014	-	1.014
WCDMA	Band II	Front	1.034	0.192	1.226
		Rear	1.103	0.228	1.331
		Left side	0.733	-	0.733
		Right side	0.843	0.177	1.020
		Top side	-	0.163	0.163
		Bottom side	1.049	-	1.049
	Band IV	Front	1.090	0.192	1.282
		Rear	1.133	0.228	1.361
		Left side	0.798	-	0.798
		Right side	0.875	0.177	1.052
		Top side	-	0.163	0.163
		Bottom side	1.065	-	1.065
	Band V	Front	0.286	0.192	0.478
		Rear	0.328	0.228	0.556
		Left side	0.250	-	0.250
		Right side	0.220	0.177	0.397
		Top side	-	0.163	0.163
		Bottom side	0.205	-	0.205
	B2 1RB	Front	0.940	0.192	1.132
		Rear	1.115	0.228	1.343
		Left side	0.744	-	0.744
		Right side	0.877	0.177	1.054
		Top side	-	0.163	0.163
		Bottom side	1.027	-	1.027
	B2 50RB	Front	0.726	0.192	0.918
		Rear	0.833	0.228	1.061
		Left side	0.572	-	0.572
		Right side	0.696	0.177	0.873
		Top side	-	0.163	0.163
		Bottom side	0.779	-	0.779
	B4 1RB	Front	0.903	0.192	1.095
		Rear	1.083	0.228	1.311
		Left side	0.712	-	0.712
		Right side	0.820	0.177	0.997
		Top side	-	0.163	0.163
		Bottom side	0.992	-	0.992
	B4 50RB	Front	0.722	0.192	0.914
		Rear	0.844	0.228	1.072
		Left side	0.521	-	0.521
		Right side	0.661	0.177	0.838
		Top side	-	0.163	0.163
		Bottom side	0.777	-	0.777

LTE	B5 1RB	Front	0.347	0.192	0.539
		Rear	0.416	0.228	0.644
		Left side	0.201	-	0.201
		Right side	0.178	0.177	0.355
		Top side	-	0.163	0.163
		Bottom side	0.263	-	0.263
	B5 25RB	Front	0.324	0.192	0.516
		Rear	0.376	0.228	0.604
		Left side	0.172	-	0.172
		Right side	0.150	0.177	0.327
		Top side	-	0.163	0.163
		Bottom side	0.239	-	0.239
	B7 1RB	Front	0.300	0.192	0.492
		Rear	0.517	0.228	0.745
		Left side	0.217	-	0.217
		Right side	0.271	0.177	0.448
		Top side	-	0.163	0.163
		Bottom side	0.459	-	0.459
	B7 50RB	Front	0.251	0.192	0.443
		Rear	0.453	0.228	0.681
		Left side	0.178	-	0.178
		Right side	0.239	0.177	0.416
		Top side	-	0.163	0.163
		Bottom side	0.394	-	0.394
	B12 1RB	Front	0.246	0.192	0.438
		Rear	0.282	0.228	0.510
		Left side	0.146	-	0.146
		Right side	0.142	0.177	0.319
		Top side	-	0.163	0.163
		Bottom side	0.097	-	0.097
	B12 25RB	Front	0.234	0.192	0.426
		Rear	0.255	0.228	0.483
		Left side	0.131	-	0.131
		Right side	0.128	0.177	0.305
		Top side	-	0.163	0.163
		Bottom side	0.076	-	0.076
	B13 1RB	Front	0.321	0.192	0.513
		Rear	0.353	0.228	0.581
		Left side	0.174	-	0.174
		Right side	0.166	0.177	0.343
		Top side	-	0.163	0.163
		Bottom side	0.089	-	0.089
	B13 25RB	Front	0.358	0.192	0.550
		Rear	0.342	0.228	0.570
		Left side	0.158	-	0.158
		Right side	0.166	0.177	0.343
		Top side	-	0.163	0.163
		Bottom side	0.071	-	0.071

	B14 1RB	Front	0.358	0.192	0.550
		Rear	0.383	0.228	0.611
		Left side	0.209	-	0.209
		Right side	0.191	0.177	0.368
		Top side	-	0.163	0.163
		Bottom side	0.236	-	0.236
	B14 25RB	Front	0.310	0.192	0.502
		Rear	0.337	0.228	0.565
		Left side	0.176	-	0.176
		Right side	0.166	0.177	0.343
		Top side	-	0.163	0.163
		Bottom side	0.192	-	0.192
	B66 1RB	Front	0.897	0.192	1.089
		Rear	1.021	0.228	1.249
		Left side	0.703	-	0.703
		Right side	0.864	0.177	1.041
		Top side	-	0.163	0.163
		Bottom side	0.894	-	0.894
	B66 50RB	Front	0.786	0.192	0.978
		Rear	0.915	0.228	1.143
		Left side	0.655	-	0.655
		Right side	0.788	0.177	0.965
		Top side	-	0.163	0.163
		Bottom side	0.781	-	0.781

WWAN + WIFI 5G						
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR	SPLSR
			WWAN	WLAN U-NII	(W/kg)	
GSM	GSM850	Front	0.302	0.453	0.755	N/A
		Rear	0.337	0.517	0.854	N/A
		Left side	0.277	-	0.277	N/A
		Right side	0.267	0.422	0.689	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.244	-	0.244	N/A
	GSM1900	Front	0.986	0.453	1.439	N/A
		Rear	1.111	0.517	See Note 1	0.012
		Left side	0.764	-	0.764	N/A
		Right side	0.848	0.422	1.270	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	1.014	-	1.014	N/A
WCDMA	Band II	Front	1.034	0.453	1.487	N/A
		Rear	1.103	0.517	See Note 1	0.012
		Left side	0.733	-	0.733	N/A
		Right side	0.843	0.422	1.265	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	1.049	-	1.049	N/A
	Band IV	Front	1.090	0.453	1.543	N/A
		Rear	1.133	0.517	See Note 1	0.012
		Left side	0.798	-	0.798	N/A
		Right side	0.875	0.422	1.297	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	1.065	-	1.065	N/A
	Band V	Front	0.286	0.453	0.739	N/A
		Rear	0.328	0.517	0.845	N/A
		Left side	0.250	-	0.250	N/A
		Right side	0.220	0.422	0.642	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.205	-	0.205	N/A
	B2 1RB	Front	0.940	0.453	1.393	N/A
		Rear	1.115	0.517	See Note 1	0.013
		Left side	0.744	-	0.744	N/A
		Right side	0.877	0.422	1.299	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	1.027	-	1.027	N/A
	B2 50RB	Front	0.726	0.453	1.179	N/A
		Rear	0.833	0.517	1.350	N/A
		Left side	0.572	-	0.572	N/A
		Right side	0.696	0.422	1.118	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.779	-	0.779	N/A
	B4 1RB	Front	0.903	0.453	1.356	N/A
		Rear	1.083	0.517	See Note 1	0.010
		Left side	0.712	-	0.712	N/A
		Right side	0.820	0.422	1.242	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.992	-	0.992	N/A
	B4 50RB	Front	0.722	0.453	1.175	N/A
		Rear	0.844	0.517	1.361	N/A
		Left side	0.521	-	0.521	N/A
		Right side	0.661	0.422	1.083	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.777	-	0.777	N/A

LTE	B5 1RB	Front	0.347	0.453	0.800	N/A
		Rear	0.416	0.517	0.933	N/A
		Left side	0.201	-	0.201	N/A
		Right side	0.178	0.422	0.600	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.263	-	0.263	N/A
	B5 25RB	Front	0.324	0.453	0.777	N/A
		Rear	0.376	0.517	0.893	N/A
		Left side	0.172	-	0.172	N/A
		Right side	0.150	0.422	0.572	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.239	-	0.239	N/A
	B7 1RB	Front	0.300	0.453	0.753	N/A
		Rear	0.517	0.517	1.034	N/A
		Left side	0.217	-	0.217	N/A
		Right side	0.271	0.422	0.693	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.459	-	0.459	N/A
	B7 50RB	Front	0.251	0.453	0.704	N/A
		Rear	0.453	0.517	0.970	N/A
		Left side	0.178	-	0.178	N/A
		Right side	0.239	0.422	0.661	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.394	-	0.394	N/A
	B12 1RB	Front	0.246	0.453	0.699	N/A
		Rear	0.282	0.517	0.799	N/A
		Left side	0.146	-	0.146	N/A
		Right side	0.142	0.422	0.564	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.097	-	0.097	N/A
	B12 25RB	Front	0.234	0.453	0.687	N/A
		Rear	0.255	0.517	0.772	N/A
		Left side	0.131	-	0.131	N/A
		Right side	0.128	0.422	0.550	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.076	-	0.076	N/A
	B13 1RB	Front	0.321	0.453	0.774	N/A
		Rear	0.353	0.517	0.870	N/A
		Left side	0.174	-	0.174	N/A
		Right side	0.166	0.422	0.588	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.089	-	0.089	N/A
	B13 25RB	Front	0.358	0.453	0.811	N/A
		Rear	0.342	0.517	0.859	N/A
		Left side	0.158	-	0.158	N/A
		Right side	0.166	0.422	0.588	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.071	-	0.071	N/A

	B14 1RB	Front	0.358	0.453	0.811	N/A
		Rear	0.383	0.517	0.900	N/A
		Left side	0.209	-	0.209	N/A
		Right side	0.191	0.422	0.613	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.236	-	0.236	N/A
	B14 25RB	Front	0.310	0.453	0.763	N/A
		Rear	0.337	0.517	0.854	N/A
		Left side	0.176	-	0.176	N/A
		Right side	0.166	0.422	0.588	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.192	-	0.192	N/A
	B66 1RB	Front	0.897	0.453	1.350	N/A
		Rear	1.021	0.517	1.538	N/A
		Left side	0.703	-	0.703	N/A
		Right side	0.864	0.422	1.286	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.894	-	0.894	N/A
	B66 50RB	Front	0.786	0.453	1.239	N/A
		Rear	0.915	0.517	1.432	N/A
		Left side	0.655	-	0.655	N/A
		Right side	0.788	0.422	1.210	N/A
		Top side	-	0.392	0.392	N/A
		Bottom side	0.781	-	0.781	N/A

WWAN + BT					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	BT	(W/kg)
GSM	GSM850	Front	0.302	0.031	0.333
		Rear	0.337	0.041	0.378
		Left side	0.277	-	0.277
		Right side	0.267	0.034	0.301
		Top side	-	0.027	0.027
		Bottom side	0.244	-	0.244
	GSM1900	Front	0.986	0.031	1.017
		Rear	1.111	0.041	1.152
		Left side	0.764	-	0.764
		Right side	0.848	0.034	0.882
		Top side	-	0.027	0.027
		Bottom side	1.014	-	1.014
WCDMA	Band II	Front	1.034	0.031	1.065
		Rear	1.103	0.041	1.144
		Left side	0.733	-	0.733
		Right side	0.843	0.034	0.877
		Top side	-	0.027	0.027
		Bottom side	1.049	-	1.049
	Band IV	Front	1.090	0.031	1.121
		Rear	1.133	0.041	1.174
		Left side	0.798	-	0.798
		Right side	0.875	0.034	0.909
		Top side	-	0.027	0.027
		Bottom side	1.065	-	1.065
	Band V	Front	0.286	0.031	0.317
		Rear	0.328	0.041	0.369
		Left side	0.250	-	0.250
		Right side	0.220	0.034	0.254
		Top side	-	0.027	0.027
		Bottom side	0.205	-	0.205
	B2 1RB	Front	0.940	0.031	0.971
		Rear	1.115	0.041	1.156
		Left side	0.744	-	0.744
		Right side	0.877	0.034	0.911
		Top side	-	0.027	0.027
		Bottom side	1.027	-	1.027
	B2 50RB	Front	0.726	0.031	0.757
		Rear	0.833	0.041	0.874
		Left side	0.572	-	0.572
		Right side	0.696	0.034	0.730
		Top side	-	0.027	0.027
		Bottom side	0.779	-	0.779
	B4 1RB	Front	0.903	0.031	0.934
		Rear	1.083	0.041	1.124
		Left side	0.712	-	0.712
		Right side	0.820	0.034	0.854
		Top side	-	0.027	0.027
		Bottom side	0.992	-	0.992
	B4 50RB	Front	0.722	0.031	0.753
		Rear	0.844	0.041	0.885
		Left side	0.521	-	0.521
		Right side	0.661	0.034	0.695
		Top side	-	0.027	0.027
		Bottom side	0.777	-	0.777

LTE	B5 1RB	Front	0.347	0.031	0.378
		Rear	0.416	0.041	0.457
		Left side	0.201	-	0.201
		Right side	0.178	0.034	0.212
		Top side	-	0.027	0.027
		Bottom side	0.263	-	0.263
	B5 25RB	Front	0.324	0.031	0.355
		Rear	0.376	0.041	0.417
		Left side	0.172	-	0.172
		Right side	0.150	0.034	0.184
		Top side	-	0.027	0.027
		Bottom side	0.239	-	0.239
	B7 1RB	Front	0.300	0.031	0.331
		Rear	0.517	0.041	0.558
		Left side	0.217	-	0.217
		Right side	0.271	0.034	0.305
		Top side	-	0.027	0.027
		Bottom side	0.459	-	0.459
	B7 50RB	Front	0.251	0.031	0.282
		Rear	0.453	0.041	0.494
		Left side	0.178	-	0.178
		Right side	0.239	0.034	0.273
		Top side	-	0.027	0.027
		Bottom side	0.394	-	0.394
	B12 1RB	Front	0.246	0.031	0.277
		Rear	0.282	0.041	0.323
		Left side	0.146	-	0.146
		Right side	0.142	0.034	0.176
		Top side	-	0.027	0.027
		Bottom side	0.097	-	0.097
	B12 25RB	Front	0.234	0.031	0.265
		Rear	0.255	0.041	0.296
		Left side	0.131	-	0.131
		Right side	0.128	0.034	0.162
		Top side	-	0.027	0.027
		Bottom side	0.076	-	0.076
	B13 1RB	Front	0.321	0.031	0.352
		Rear	0.353	0.041	0.394
		Left side	0.174	-	0.174
		Right side	0.166	0.034	0.200
		Top side	-	0.027	0.027
		Bottom side	0.089	-	0.089
	B13 25RB	Front	0.358	0.031	0.389
		Rear	0.342	0.041	0.383
		Left side	0.158	-	0.158
		Right side	0.166	0.034	0.200
		Top side	-	0.027	0.027
		Bottom side	0.071	-	0.071

	B14 1RB	Front	0.358	0.031	0.389
		Rear	0.383	0.041	0.424
		Left side	0.209	-	0.209
		Right side	0.191	0.034	0.225
		Top side	-	0.027	0.027
		Bottom side	0.236	-	0.236
	B14 25RB	Front	0.310	0.031	0.341
		Rear	0.337	0.041	0.378
		Left side	0.176	-	0.176
		Right side	0.166	0.034	0.200
		Top side	-	0.027	0.027
		Bottom side	0.192	-	0.192
	B66 1RB	Front	0.897	0.031	0.928
		Rear	1.021	0.041	1.062
		Left side	0.703	-	0.703
		Right side	0.864	0.034	0.898
		Top side	-	0.027	0.027
		Bottom side	0.894	-	0.894
	B66 50RB	Front	0.786	0.031	0.817
		Rear	0.915	0.041	0.956
		Left side	0.655	-	0.655
		Right side	0.788	0.034	0.822
		Top side	-	0.027	0.027
		Bottom side	0.781	-	0.781

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/23/2022

GSM 850-M-Head

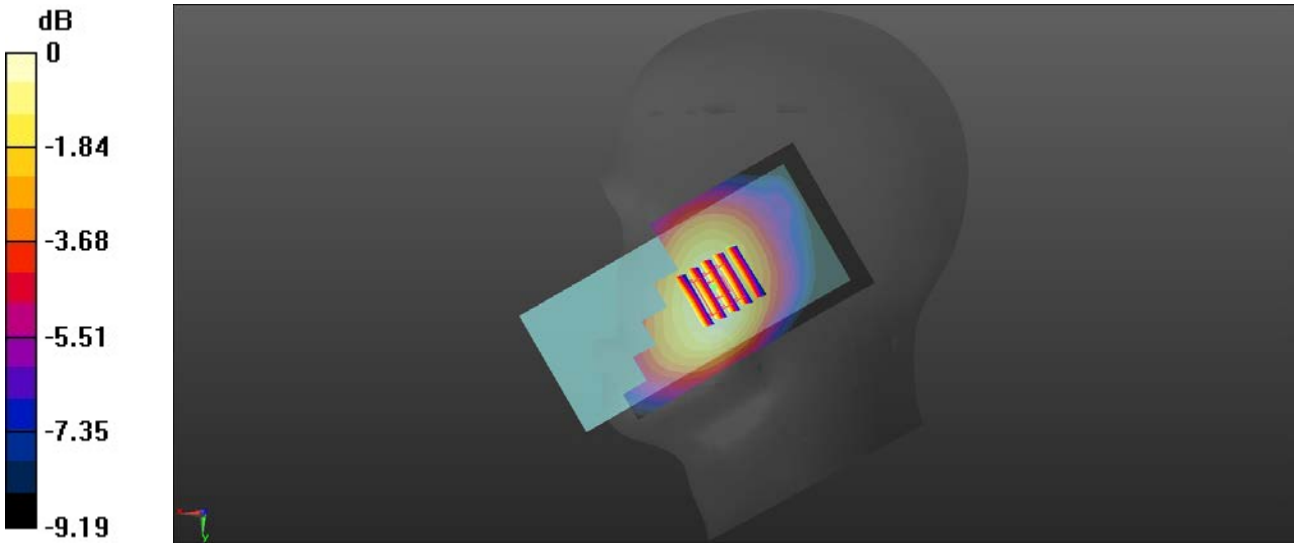
Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1-2-3) (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.00447
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.866 S/m; ε_r = 41.569; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.3, 10.3, 10.3) @ 836.6 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Right Touch Check/CH 190/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.357 W/kg

Right Touch Check/CH 190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.430 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.395 W/kg
SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.208 W/kg
Maximum value of SAR (measured) = 0.347 W/kg



0 dB = 0.347 W/kg = -4.60 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/30/2022

GSM 1900-H-Head

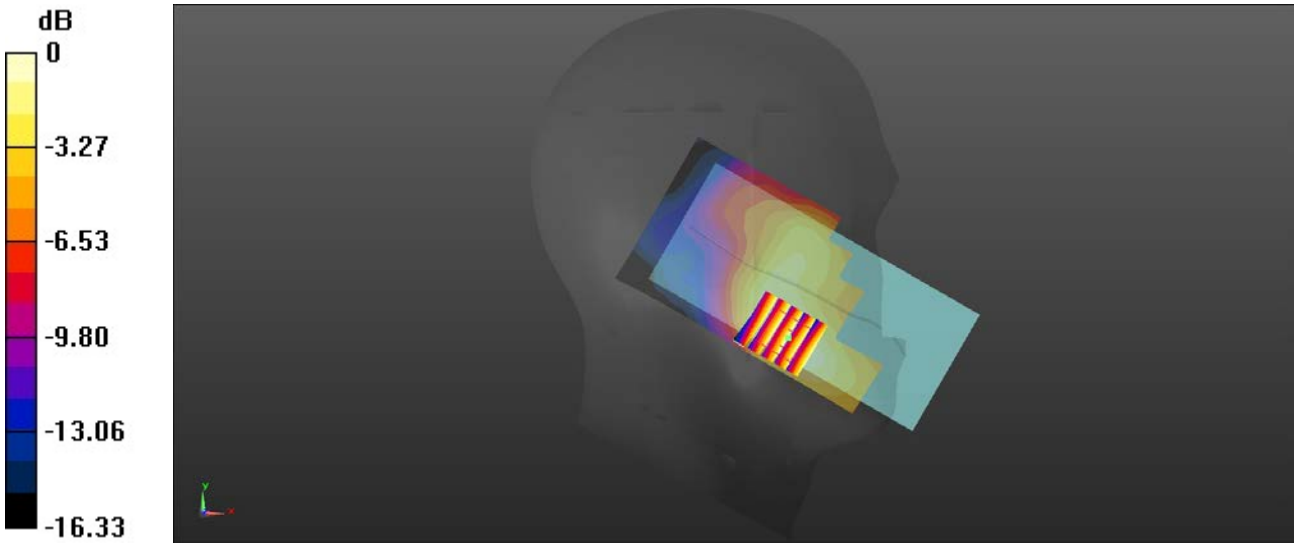
Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1-2-3) (0); Frequency: 1909.8 MHz;Duty Cycle: 1:2.00447
Medium parameters used: f = 1910 MHz; σ = 1.42 S/m; ε_r = 39.12; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient Temperature:22.2℃;Liquid Temperature:22.0℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.45, 8.45, 8.45) @ 1909.8 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Left Touch Check/CH 810/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.293 W/kg

Left Touch Check/CH 810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.103 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.331 W/kg
SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.136 W/kg
Maximum value of SAR (measured) = 0.285 W/kg



0 dB = 0.285 W/kg = -5.45 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/30/2022

WCDMA Band II-M-Head

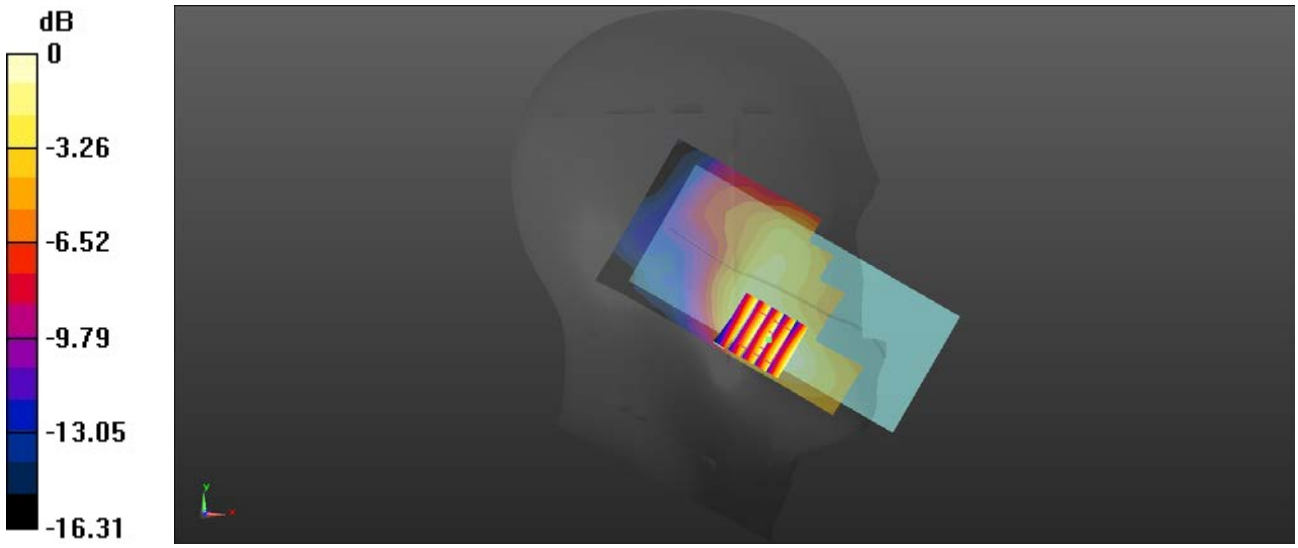
Communication System: UID 0, Generic UMTS (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.404 S/m; ε_r = 39.164; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient Temperature:22.6℃;Liquid Temperature:22.4℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.45, 8.45, 8.45) @ 1880 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Left Touch Check/CH 9400/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.285 W/kg

Left Touch Check/CH 9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.082 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.322 W/kg
SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.132 W/kg
Maximum value of SAR (measured) = 0.278 W/kg



0 dB = 0.278 W/kg = -5.56 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/28/2022

WCDMA Band IV-M-Head

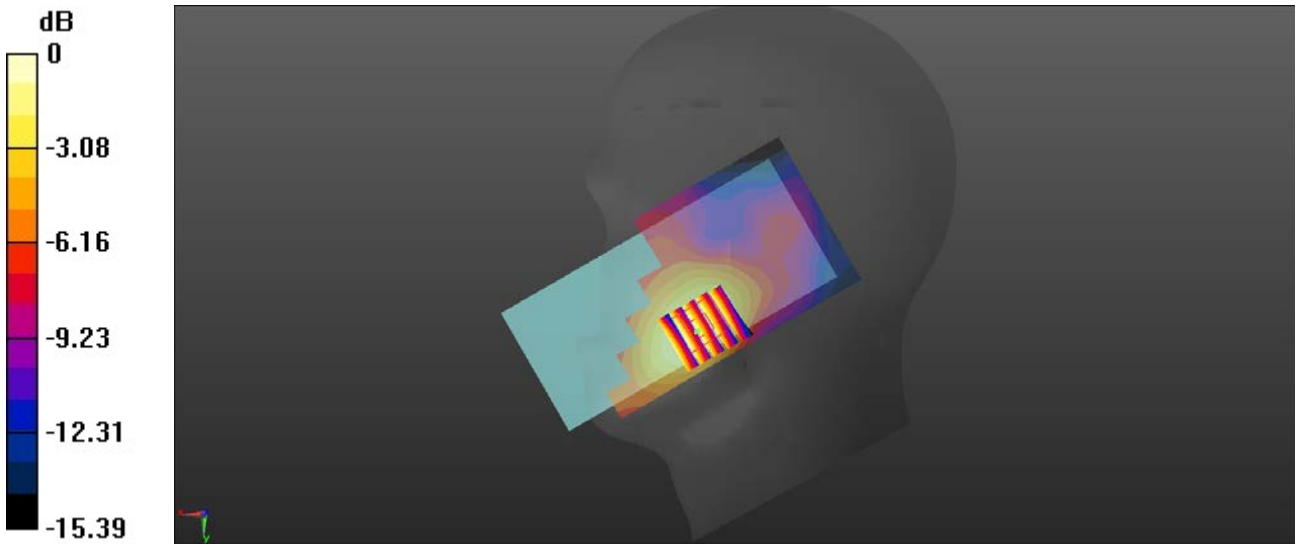
Communication System: UID 0, Generic UMTS (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.323 S/m; ε_r = 39.46; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.81, 8.81, 8.81) @ 1732.6 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Right Touch Check/CH 1413/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.192 W/kg

Right Touch Check/CH 1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.279 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.207 W/kg
SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.087 W/kg.
Maximum value of SAR (measured) = 0.181 W/kg



0 dB = 0.181 W/kg = -7.42 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/23/2022

WCDMA Band V-M-Head

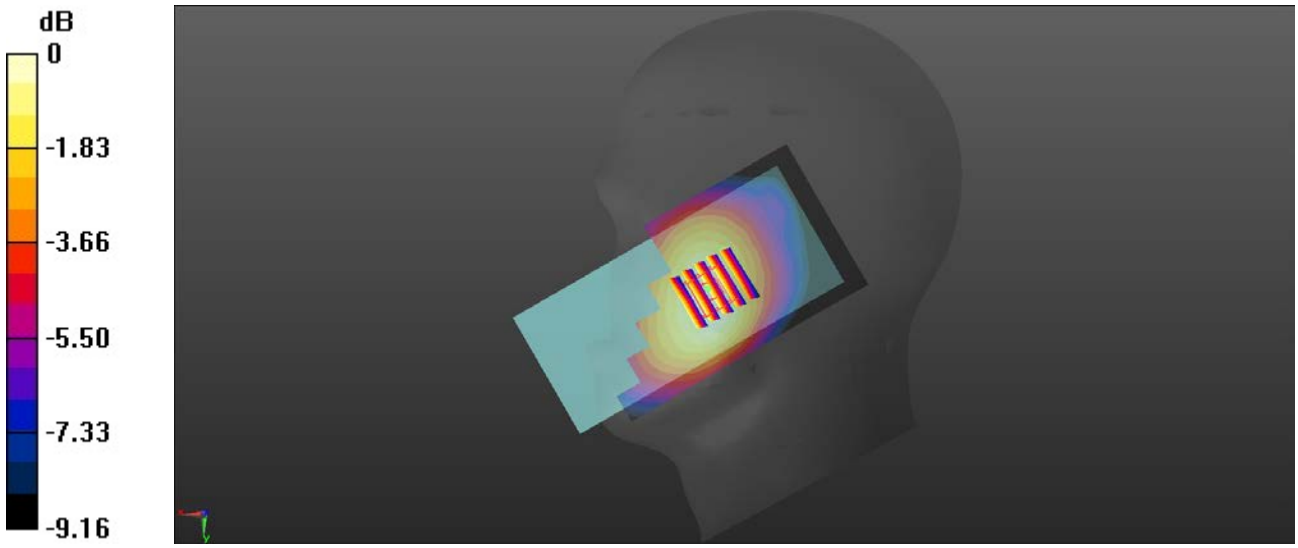
Communication System: UID 0, Generic UMTS (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.866 S/m; ε_r = 41.569; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient Temperature:22.2℃;Liquid Temperature:22.0℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.3, 10.3, 10.3) @ 836.6 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Right Touch Check/CH 4183/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.353 W/kg

Right Touch Check/CH 4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.425 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.391 W/kg
SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.207 W/kg
Maximum value of SAR (measured) = 0.344 W/kg



0 dB = 0.344 W/kg = -4.63 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 12/1/2022

LTE Band 2-M-Head

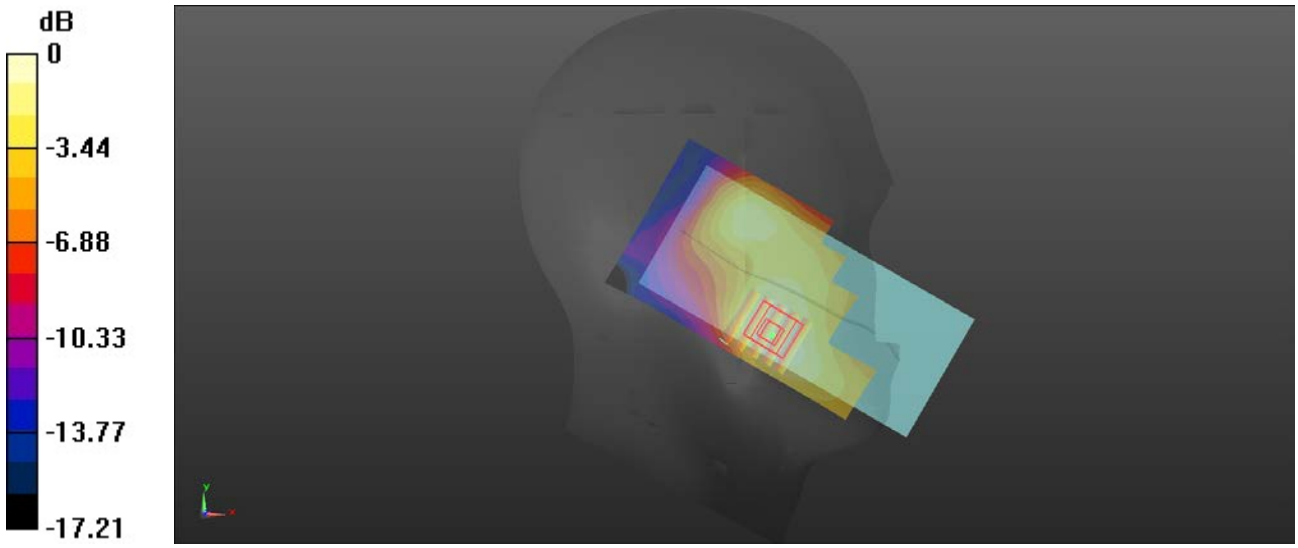
Communication System: UID 0, Generic LTE-FDD (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.404 S/m; ε_r = 39.164; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient Temperature:22.2℃;Liquid Temperature:22.0℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.45, 8.45, 8.45) @ 1880 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Left Touch Check/CH 9400/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.245 W/kg

Left Touch Check/CH 9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.482 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.256 W/kg
SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.111 W/kg
Maximum value of SAR (measured) = 0.224 W/kg



0 dB = 0.224 W/kg = -6.50 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/28/2022

LTE Band 4-M-Head

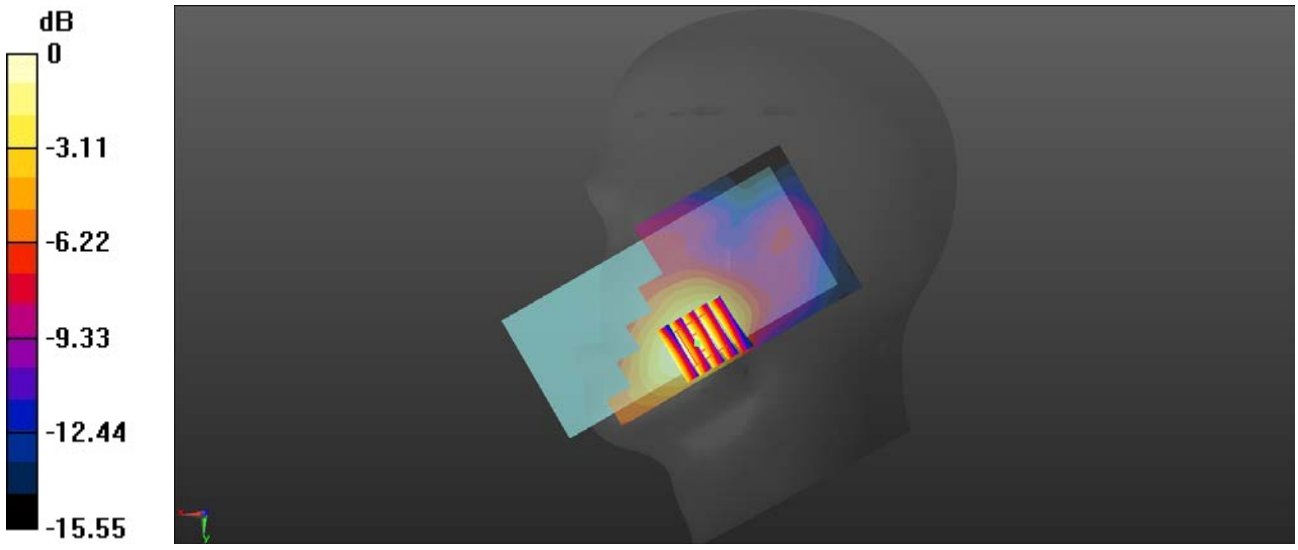
Communication System: UID 0, Generic LTE-FDD (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.323 S/m; ε_r = 39.46; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient Temperature:22.5℃;Liquid Temperature:22.3℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.81, 8.81, 8.81) @ 1732.5 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Right Touch Check/CH 20175/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.223 W/kg

Right Touch Check/CH 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.679 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.239 W/kg
SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.102 W/kg
Maximum value of SAR (measured) = 0.210 W/kg



0 dB = 0.210 W/kg = -6.78 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 11/24/2022

LTE Band 5-M-Head

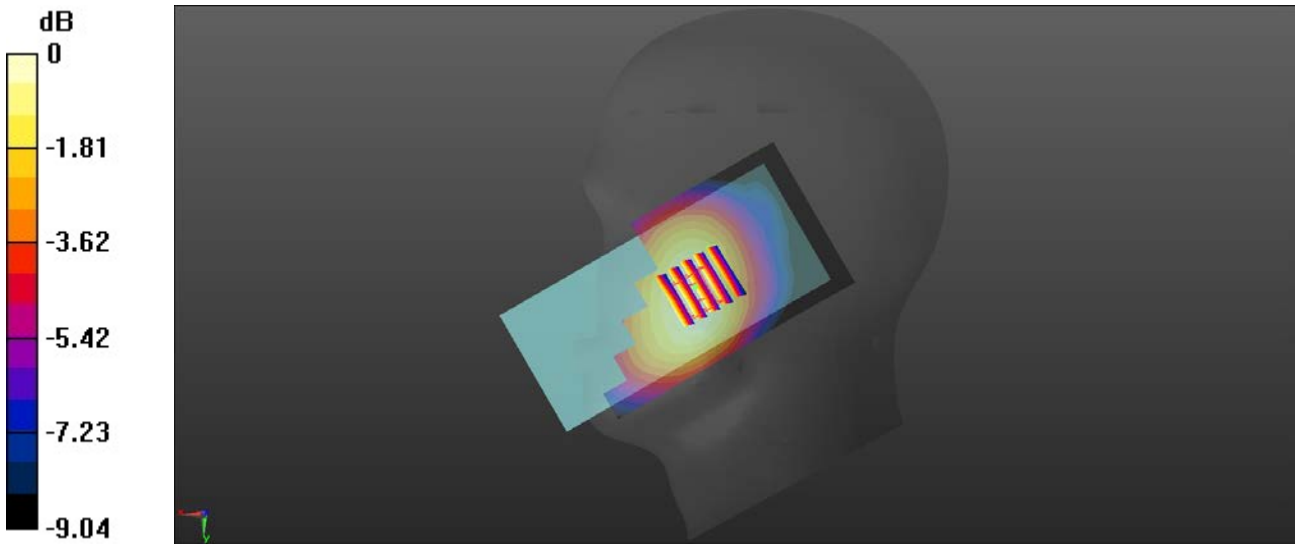
Communication System: UID 0, Generic LTE-FDD (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.866 S/m; ε_r = 41.569; ρ = 1000 kg/m^3
Phantom section: Right Section
Ambient Temperature:22.3℃;Liquid Temperature:22.1℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.3, 10.3, 10.3) @ 836.5 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Right Touch Check/CH 20525/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.389 W/kg

Right Touch Check/CH 20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.584 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.430 W/kg
SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.233 W/kg
Maximum value of SAR (measured) = 0.382 W/kg



0 dB = 0.382 W/kg = -4.18 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 12/3/2022

LTE Band 7-M-Head

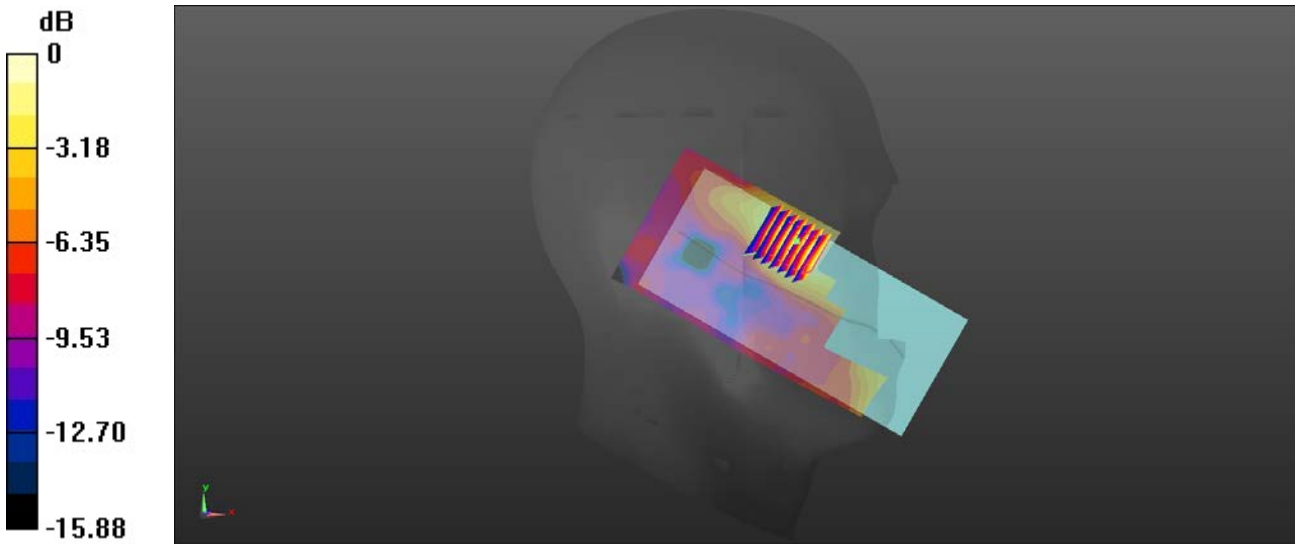
Communication System: UID 0, Generic LTE-FDD (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.861 S/m; ε_r = 39.373; ρ = 1000 kg/m^3
Phantom section: Left Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.9, 7.9, 7.9) @ 2535 MHz; Calibrated: 5/16/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/12/2022
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Left Touch Check/CH 21100/Area Scan (71x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0778 W/kg

Left Touch Check/CH 21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.233 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.0830 W/kg
SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.027 W/kg
Maximum value of SAR (measured) = 0.0689 W/kg



0 dB = 0.0689 W/kg = -11.62 dBW/kg