FCC SAR Test Report

APPLICANT : Motorola Mobility LLC **EQUIPMENT** : Mobile Cellular Phone

BRAND NAME : Motorola MODEL NAME : XT2229-2 **FCC ID** : IHDT56AC6

STANDARD : FCC 47 CFR Part 2 (2.1093)

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

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

Reviewed by: Hank Huang / Supervisor

Johnny Chen

Approved by: Johnny Chen / Manager





Report No.: FA1N1011-03

Sporton International Inc. (Shenzhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 1 of 61 Form version. : 200414

SPORTON LAB. FCC SAR Test Report

Table of Contents

Report No. : FA1N1011-03

Issued Date: Mar. 15, 2022

Form version. : 200414

1. Statement of Compliance	1
2. Administration Data	5
3. Guidance Applied	
4. Equipment Under Test (EUT) Information	
4.1 General Information	6
4.2 General LTE SAR Test and Reporting Considerations	[
5. RF Exposure Limits	
5.1 Uncontrolled Environment	
5.2 Controlled Environment	
6. Specific Absorption Rate (SAR)	
6.1 Introduction	
6.2 SAR Definition	
7. System Description and Setup	
7.1 E-Field Probe	
7.2 Data Acquisition Electronics (DAE)	12
7.3 Phantom	
7.4 Device Holder	
8. Measurement Procedures	15
8.1 Spatial Peak SAR Evaluation	15
8.2 Power Reference Measurement	16
8.3 Area Scan	
8.4 Zoom Scan	17
8.5 Volume Scan Procedures	17
8.6 Power Drift Monitoring	
9. Test Equipment List	18
10. System Verification	
10.1 Tissue Simulating Liquids	
10.2 Tissue Verification	
10.3 System Performance Check Results	21
11. RF Exposure Positions	
11.1 Ear and handset reference point	
11.2 Definition of the cheek position	
11.3 Definition of the tilt position	
11.4 Body Worn Accessory	
11.5 Product Specific 10g SAR Exposure	26
11.6 Wireless Router	
12. Conducted RF Output Power (Unit: dBm)	27
13. Antenna Location	37
14. SAR Test Results	
14.1 Head SAR	
14.2 Hotspot SAR	
14.3 Body Worn Accessory SAR	
14.4 Product Specific SAR	
14.5 Repeated SAR Measurement	
15. Simultaneous Transmission Analysis	
15.1 Head Exposure Conditions	
15.2 Hotspot Exposure Conditions	
15.3 Body-Worn Accessory Exposure Conditions	
15.4 Product Specific Exposure Conditions	
15.5 SPLSR Evaluation and Analysis	
16. Uncertainty Assessment.	
17. References	
Appendix A. Plots of System Performance Check	01
Appendix B. Plots of High SAR Measurement	
Appendix C. DASY Calibration Certificate	
Appendix D. Test Setup Photos	
Appendix E. Conducted RF Output Power Table	

Revision History

Report No. : FA1N1011-03

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA1N1011-03	Rev. 01	Initial issue of report.	Mar. 15, 2022

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 3 of 61 Form version. : 200414

1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for Motorola Mobility LLC, Mobile Cellular Phone, XT2229-2, are as follows.

Report No.: FA1N1011-03

MODILE CE	nobile Celiulai Filone, A 12223-2, are as follows.						
	Highest 1g SAR Summary						
Equipment Class	Equipment Frequency			Hotspot (Separation 5mm)	Body-worn (Separation 5mm)	Highest Simultaneous Transmission	
				1g SAR (W/kg)		1g SAR (W/kg)	
	GSM	GSM850	0.81	1.36	1.36		
	GSIVI	GSM1900	0.30	1.29	1.40		
	Licensed WCDMA	Band V	0.56	1.44	1.44		
Licensed		Band II	0.45	1.42	1.44	1.59	
		Band 5	0.61	1.31	1.31		
	LTE	Band 7	0.17	1.36	1.21		
		Band 41/Band 38	<0.10	1.31	1.23		
DTS	WLAN	2.4GHz WLAN	1.15	1.14	1.14	1.51	
NII	WEAIN	5GHz WLAN	1.18	1.15	1.18	1.59	
DSS	Bluetooth	2.4GHz Bluetooth	0.19	0.27	0.27	1.58	
		Hi	ahest 10a SAR Sur	mmary			

Highest 10g SAR Summary						
Equipment Class	Frequency F Band		, ,		Highest Simultaneous Transmission 10g SAR (W/kg)	
	GSM	GSM850	1.98			
	GSIVI	GSM1900	1.49			
License	wcdma	Band V	2.26			
		Band II	2.37	3.17		
		Band 5	2.09			
LTE		Band 7	1.33			
		Band 41/Band 38	0.95			
NII	WLAN 5GHz WLAN		2.46	3.17		
	Date of Testing:		2022/2/18 ~ 20	22/2/24		

Remark: This device supports both LTE B38 and B41. Since the supported frequency span for LTE B38 falls completely within the supports frequency span for LTE B41, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, SAR was only assessed for LTE B41.

Declaration of Conformity:

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

Comments and Explanations:

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

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

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Form version. : 200414

2. Administration Data

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

Report No. : FA1N1011-03

	Testing Laboratory						
Test Firm	Sporton International Inc	c. (Shenzhen)					
Test Site Location	People's Republic of Ch	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595					
Took Site No	Sporton Site No.	Sporton Site No. FCC Designation No. FCC Test Firm Registration No.					
Test Site No.	SAR01-SZ/ SAR03-SZ	CN1256	421272				

Applicant					
Company Name Motorola Mobility LLC					
Address 222 W,Merchandise Mart Plaza, Chicago IL 60654 USA					

Manufacturer Manufacturer					
Company Name Motorola Mobility LLC					
Address 222 W,Merchandise Mart Plaza, Chicago IL 60654 USA					

3. Guidance Applied

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

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

4. Equipment Under Test (EUT) Information

4.1 General Information

	Product Feature & Specification
Equipment Name	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2229-2
FCC ID	IHDT56AC6
IMEI Code	Sample 1: IMEI 1: 352303500031101 IMEI 2: 352303500032257 Sample 2: IMEI 1: 352303500033461 IMEI 2: 352303500035912
	GSM850: 824 MHz ~ 849 MHz GSM1900: 1850 MHz ~ 1910 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2535 MHz ~ 2655 MHz WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz WLAN 5.2GHz Band: 5180 MHz ~ 5240 MHz WLAN 5.3GHz Band: 5500 MHz ~ 5320 MHz WLAN 5.5GHz Band: 5500 MHz ~ 5720 MHz WLAN 5.6Hz Band: 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz
Mode	GSM/GPRS/EGPRS RMC/AMR 12.2Kbps HSDPA/HSUPA DC-HSDPA HSPA+ (16QAM uplink is not supported) LTE: QPSK, 16QAM, 64QAM WLAN 2.4GHz 802.11b/g/n HT20 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/Bluetooth BR/EDR/LE
HW Version	DVT2
SW Version	STA32.48
GSM / (E)GPRS	Class B – EUT cannot support Packet Switched and Circuit Switched Network simultaneously
Transfèr mode	but can automatically switch between Packet and Circuit Switched Network.
EUT Stage	Identical Prototype
Remark:	

Report No.: FA1N1011-03

Remark:

- 1. 802.11n-HT40 is not supported in 2.4GHz WLAN.
- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- 3. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WiFi Direct (GC/GO), and 5.3GHz / 5.5GHz supports WiFi Direct (GC only).
- 5. This device does not support DTM operation and supports GPRS/EGPRS mode up to multi-slot class 12.
- 6. The device implements the power management and receiver detection/hotspot mode for SAR compliance at different exposure conditions (head, body-worn, hotspot, extremity) and the details about the power management decision and sensor detection are provided in the operational description. And the device will invoke corresponding work scenarios power level base on frequency bands/antennas, which can refer to power table at appendix E.
- 7. There are two different types of EUT. They are single SIM card mobile and dual SIM card mobile. The others are the same including circuit design, PCB board, structure and all components. It is special to declare. After pre-scan two types of EUT, we found test result of the sample that dual SIM was the worst, so we chose dual SIM card mobile to

TEL: +86-755-86379589 / FAX: +86-755-86379595 Issued Date: Mar. 15, 2022

FCC ID : IHDT56AC6 Page 6 of 61 Form version. : 200414



For dual SIM card mobile has two SIM slots and supports dual SIM dual standby. The WWAN radio transmission will be enabled by either one SIM at a time (single active). After pre-scan two SIM cards power, we found test result of the SIM1 was the worse, so we chose SIM1 slot to perform all tests.

Report No. : FA1N1011-03

- There are two samples. The difference between them could be referred to the XT2229-2_Operational Description of Product Equality Declaration which is exhibited separately. According to the difference, we choose sample 1 for full testing and sample 2 for worst case verification.
- 10. The device has three headsets. For three headsets only suppliers are different. So we chose headset 1 to perform full SAR testing only.
- 11. This device has two batteries. For battery 1 was in sample 1, and battery 2 was in sample 2. They were all evaluated for SAR testing conservatively.

4.2 General LTE SAR Test and Reporting Considerations

Summ	arized necessa	ry items ac	ddressed i	n KDB 9	41225 D0	5 v02r05		
FCC ID	IHDT56AC6							
Equipment Name	Mobile Cellular	Phone						
Operating Frequency Range of each LTE transmission band	LTE Band 5: 82 LTE Band 7: 25 LTE Band 38: 2 LTE Band 41: 2	00 MHz ~ : 570 MHz ~	2570 MHz - 2620 MH					
Channel Bandwidth	LTE Band 5:1.4 LTE Band 7: 5N LTE Band 38: 5 LTE Band 41: 5	MHz, 10MH MHz, 10MI	z, 15MHz, Hz, 15MHz	20MHz , 20MHz				
uplink modulations used	QPSK / 16QAM	I / 64QAM						
LTE Voice / Data requirements	Voice and Data							
LTE Release Version	R11, Cat4							
CA Support	Not Supported	t						
	Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3 Modulation Channel bandwidth / Transmission bandwidth (NRB) MPR (dB)							
		1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
LTE MPR permanently built-in by	QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
design	16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
	16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2
	64 QAM	≤ 5 > 5	≤ 4	≤ 8	≤ 12 > 12	≤ 16 > 16	≤ 18	≤ 2 ≤ 3
	64 QAM 256 QAM	> 5	> 4	> 8	> 12 ≥ 1	> 16	> 18	≤ 5 ≤ 5
LTE A-MPR								o NS_01 to disa ΓI frames (Maxim
Spectrum plots for RB configuration	A properly configured base station simulator was used for the SAR and power measurement; therefore, spectrum plots for each RB allocation and offset configuration are not included in the							
	SAR report. Yes, when operating in receiver/hotspot detect mechanism, head/ body-worn/hotspot/extremity will trigger reduced power for some WWAN bands applied to satisfy SAR compliance, the detail please referred to section 12.							

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6 Page 7 of 61

Report No. : FA1N1011-03

	Transmission (H, M, L) channel numbers and frequencies in each LTE band							
				LTE Ba	ınd 5			
	Bandwidt	h 1.4 MHz	Bandwid	th 3 MHz	Bandwid	th 5 MHz	Bandwidt	h 10 MHz
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	20407	824.7	20415	825.5	20425	826.5	20450	829
M	20525	836.5	20525	836.5	20525	836.5	20525	836.5
Н	20643	848.3	20635	847.5	20625	846.5	20600	844
				LTE Ba	ind 7			
	Bandwid	th 5 MHz	Bandwidt	h 10 MHz	Bandwidth 15 MHz		Bandwidt	h 20 MHz
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	20775	2502.5	20800	2505	20825	2507.5	20850	2510
M	21100	2535	21100	2535	21100	2535	21100	2535
Н	21425	2567.5	21400	2565	21375	2562.5	21350	2560

	LTE Band 38							
	Bandwid	th 5 MHz	Bandwidt	h 10 MHz	Bandwidt	h 15 MHz	Bandwid	dth 20 MHz
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	37775	2572.5	37800	2575	37825	2577.5	37850	2580
M	38000	2595	38000	2595	38000	2595	38000	2595
Н	38225	2617.5	38200	2615	38175	2612.5	38150	2610
				LTE Ba	nd 41			
	Bandwid	th 5 MHz	Bandwidt	h 10 MHz	Bandwidth 15 MHz		Bandwidth 20 MHz	
	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)	Ch. #	Freq. (MHz)
L	40065	2537.5	40090	2540	40115	2542.5	40140	2545
LM	40385	2569.5	40390	2570	40395	2570.5	40400	2571
НМ	40705	2601.5	40690	2600	40685	2599.5	40670	2598
Н	41215	2652.5	41190	2650	41165	2647.5	41140	2645

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6 Page 8 of 61

5. RF Exposure Limits

5.1 Uncontrolled Environment

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

Report No.: FA1N1011-03

5.2 Controlled Environment

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

Limits for Occupational/Controlled Exposure (W/kg)

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

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

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

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

TEL: +86-755-86379589 / FAX: +86-755-86379595 Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Form version. : 200414

Page 9 of 61

6. Specific Absorption Rate (SAR)

6.1 Introduction

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

Report No.: FA1N1011-03

6.2 SAR Definition

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

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

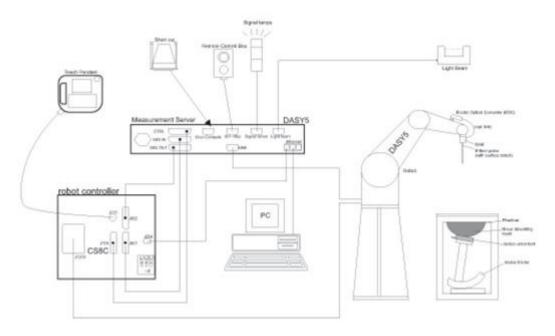
SAR is expressed in units of Watts per kilogram (W/kg)

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

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

7. System Description and Setup

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



Report No.: FA1N1011-03

- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic Field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running WinXP or Win7 and the DASY5 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Form version. : 200414 Page 11 of 61

7.1 E-Field Probe

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

<EX3DV4 Probe>

	Symmetric design with triangular core				
Construction	Built-in shielding against static charges				
Construction	PEEK enclosure material (resistant to organic				
	solvents, e.g., DGBE)				
Fraguency	10 MHz – >6 GHz				
Frequency	Linearity: ±0.2 dB (30 MHz – 6 GHz)				
Directivity	±0.3 dB in TSL (rotation around probe axis)				
Directivity	±0.5 dB in TSL (rotation normal to probe axis)				
Dynamic Range	10 μW/g – >100 mW/g				
Dynamic Kange	Linearity: ±0.2 dB (noise: typically <1 µW/g)				
	Overall length: 337 mm (tip: 20 mm)				
Dimensions	Tip diameter: 2.5 mm (body: 12 mm)				
Difficusions	Typical distance from probe tip to dipole centers:				
	1 mm				



Report No.: FA1N1011-03

7.2 Data Acquisition Electronics (DAE)

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

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



Photo of DAE

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6 Page 12 of 61

7.3 Phantom

<SAM Twin Phantom>

Shell Thickness	2 ± 0.2 mm; Center ear point: 6 ± 0.2 mm	
Filling Volume	Approx. 25 liters	
Dimensions	Length: 1000 mm; Width: 500 mm; Height: adjustable feet	7 5
Measurement Areas	Left Hand, Right Hand, Flat Phantom	

Report No. : FA1N1011-03

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

<ELI Phantom>

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

The ELI phantom is intended for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI4 is fully compatible with standard and all known tissue simulating liquids.

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6 Page 13 of 61

7.4 Device Holder

<Mounting Device for Hand-Held Transmitter>

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





Report No.: FA1N1011-03

Mounting Device for Hand-Held Transmitters

Mounting Device Adaptor for Wide-Phones

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

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



Mounting Device for Laptops

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6 Page 14 of 61

8. Measurement Procedures

The measurement procedures are as follows:

<Conducted power measurement>

(a) For WWAN power measurement, use base station simulator to configure EUT WWAN transmission in conducted connection with RF cable, at maximum power in each supported wireless interface and frequency band.

Report No.: FA1N1011-03

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

<SAR measurement>

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

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

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

8.1 Spatial Peak SAR Evaluation

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

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

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

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

FCC ID : IHDT56AC6 Page 15 of 61 Form version. : 200414

8.2 Power Reference Measurement

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

Report No.: FA1N1011-03

8.3 Area Scan

The area scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum found in the scanned area, within a range of the global maximum. The range (in dB0 is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan), if only one zoom scan follows the area scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of zoom scans has to be increased accordingly.

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

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

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 16 of 61 Form version. : 200414

8.4 Zoom Scan

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

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

			≤ 3 GHz	> 3 GHz
Maximum zoom scan s	spatial reso	lution: Δx _{Zoom} , Δy _{Zoom}	\leq 2 GHz: \leq 8 mm 2 – 3 GHz: \leq 5 mm [*]	$3 - 4 \text{ GHz: } \le 5 \text{ mm}^*$ $4 - 6 \text{ GHz: } \le 4 \text{ mm}^*$
	uniform	grid: Δz _{Zoom} (n)	≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
Maximum zoom scan spatial resolution, normal to phantom surface	graded grid	Δz _{Zoom} (1): between 1 st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
strrace		Δz _{Zoom} (n>1): between subsequent points	≤ 1.5·∆z	Z _{Oom} (n-1)
Minimum zoom scan volume	x, y, z		≥ 30 mm	$3 - 4 \text{ GHz:} \ge 28 \text{ mm}$ $4 - 5 \text{ GHz:} \ge 25 \text{ mm}$ $5 - 6 \text{ GHz:} \ge 22 \text{ mm}$

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.

8.5 Volume Scan Procedures

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

8.6 Power Drift Monitoring

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

Page 17 of 61

FCC ID: IHDT56AC6

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022

Form version. : 200414

Report No.: FA1N1011-03

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

9. Test Equipment List

Manufacturer	Name of Equipment	Turne /Mandal	Carial Namehou	Calib	Calibration		
Manufacturer	Name of Equipment	Type/Model	Serial Number	Last Cal.	Due Date		
SPEAG	835MHz System Validation Kit	D835V2	4d258	2020/5/7	2023/5/6		
SPEAG	1900MHz System Validation Kit	D1900V2	5d170	2019/3/26	2022/3/24		
SPEAG	2450MHz System Validation Kit	D2450V2	924	2020/9/2	2023/9/1		
SPEAG	2600MHz System Validation Kit	D2600V2	1061	2020/11/26	2023/11/25		
SPEAG	5000MHz System Validation Kit	D5GHzV2	1113	2019/9/24	2022/9/22		
SPEAG	Data Acquisition Electronics	DAE4	1210	2021/8/25	2022/8/24		
SPEAG	Data Acquisition Electronics	DAE4	910	2021/7/15	2022/7/14		
SPEAG	Dosimetric E-Field Probe	EX3DV4	7577	2021/11/23	2022/11/22		
SPEAG	Dosimetric E-Field Probe	EX3DV4	3975	2021/6/7	2022/6/6		
SPEAG	SAM Twin Phantom	QD 000 P40 CD	1671	NCR	NCR		
SPEAG	SAM Twin Phantom	QD 000 P40 CD	1795	NCR	NCR		
SPEAG	Phone Positioner	N/A	N/A	NCR	NCR		
Anritsu	Radio communication analyzer	MT8820C	6201300653	2021/7/14	2022/7/13		
Anritsu	Radio communication analyzer	MT8821C	6262314715	2021/6/29	2022/6/28		
Agilent	Wireless Communication Test Set	E5515C	MY50267224	2021/7/14	2022/7/13		
Keysight	Network Analyzer	E5071C	MY46523671	2021/10/25	2022/10/24		
Speag	Dielectric Assessment KIT	DAK-3.5	1138	2021/6/9	2022/6/8		
Agilent	Signal Generator	N5181A	MY50145381	2021/12/28	2022/12/27		
Anritsu	Power Senor	MA2411B	1306099	2021/9/29	2022/9/28		
Anritsu	Power Meter	ML2495A	1349001	2021/9/29	2022/9/28		
R&S	Power Sensor	NRP50S	101254	2021/4/9	2022/4/8		
R&S	Power Sensor	NRP8S	109228	2021/4/9	2022/4/8		
R&S	CBT BLUETOOTH TESTER	CBT	100963	2021/12/28	2022/12/27		
R&S	Spectrum Analyzer	FSP7	100818	2021/7/14	2022/7/13		
TES	Hygrometer	1310	200505600	2021/7/17	2022/7/16		
Anymetre	Thermo-Hygrometer	JR593	2015030904	2021/7/17	2022/7/16		
Anymetre	Thermo-Hygrometer	JR593	2015102801	2021/12/30	2022/12/29		
SPEAG	Device Holder	N/A	N/A	N/A	N/A		
AR	Amplifier	5S1G4	0333096	No	te 1		
mini-circuits	Amplifier	ZVE-3W-83+	599201528	No	te 1		
ARRA	Power Divider	A3200-2	N/A	No	te 1		
ET Industries	Dual Directional Coupler	C-058-10	N/A	No	te 1		
Weinschel	Attenuator 1	3M-10	N/A	No	te 1		
Weinschel	Attenuator 2	3M-20	N/A	No	te 1		

Report No. : FA1N1011-03

Note:

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

TEL: +86-755-86379589 / FAX: +86-755-86379595

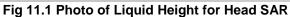
Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6

10. System Verification

10.1 Tissue Simulating Liquids

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







Report No. : FA1N1011-03

Fig 11.2 Photo of Liquid Height for Body SAR

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6 Page 19 of 61



10.2 Tissue Verification

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

Report No. : FA1N1011-03

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

Simulating Liquid for 5GHz, Manufactured by SPEAG

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

<Tissue Dielectric Parameter Check Results>

Frequency (MHz)	Tissue Type	Liquid Temp. (℃)	Conductivity (σ)	Permittivity (ε _r)	Conductivity Target (σ)	Permittivity Target (ε _r)	Delta (σ) (%)	Delta (ε _r) (%)	Limit (%)	Date
835	Head	22.5	0.913	40.859	0.90	41.50	1.44	-1.54	±5	2022/2/20
835	Head	22.6	0.917	40.748	0.90	41.50	1.89	-1.81	±5	2022/2/21
1900	Head	22.4	1.417	40.994	1.40	40.00	1.21	2.49	±5	2022/2/18
1900	Head	22.8	1.413	41.128	1.40	40.00	0.93	2.82	±5	2022/2/20
2450	Head	22.6	1.809	37.604	1.80	39.20	0.50	-4.07	±5	2022/2/21
2450	Head	22.5	1.824	38.032	1.80	39.20	1.33	-2.98	±5	2022/2/22
2600	Head	22.7	1.995	40.438	1.96	39.00	1.79	3.69	±5	2022/2/19
2600	Head	22.4	1.974	38.204	1.96	39.00	0.71	-2.04	±5	2022/2/21
5250	Head	22.6	4.714	36.412	4.71	35.95	0.08	1.29	±5	2022/2/20
5600	Head	22.5	5.141	35.813	5.07	35.50	1.40	0.88	±5	2022/2/22
5750	Head	22.3	5.315	35.552	5.22	35.35	1.82	0.57	±5	2022/2/24

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Form version. : 200414 Page 20 of 61

10.3 System Performance Check Results

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

<1g SAR>

Date	Frequency (MHz)	Tissue Type	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 1g SAR (W/kg)	Targeted 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)
2022/2/20	835	Head	250	4d258	3975	1210	2.560	9.44	10.24	8.47
2022/2/21	835	Head	250	4d258	3975	1210	2.220	9.44	8.88	-5.93
2022/2/18	1900	Head	250	5d170	3975	1210	10.500	39.00	42	7.69
2022/2/20	1900	Head	250	5d170	3975	1210	10.000	39.00	40	2.56
2022/2/21	2450	Head	250	924	3975	1210	13.000	51.40	52	1.17
2022/2/22	2450	Head	250	924	3975	1210	13.700	51.40	54.8	6.61
2022/2/19	2600	Head	250	1061	3975	1210	15.000	56.60	60	6.01
2022/2/21	2600	Head	250	1061	3975	1210	14.700	56.60	58.8	3.89
2022/2/20	5250	Head	100	1113	7577	910	8.260	80.50	82.6	2.61
2022/2/22	5600	Head	100	1113	7577	910	8.980	83.40	89.8	7.67
2022/2/24	5750	Head	100	1113	7577	910	8.540	80.00	85.4	6.75

<10a SAR>

Date	Frequency (MHz)	Tissue Type	Input Power (mW)	Dipole S/N	Probe S/N	DAE S/N	Measured 10g SAR (W/kg)	Targeted 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)
2022/2/20	835	Head	250	4d258	3975	1210	1.670	6.13	6.68	8.97
2022/2/21	835	Head	250	4d258	3975	1210	1.460	6.13	5.84	-4.73
2022/2/18	1900	Head	250	5d170	3975	1210	5.390	20.30	21.56	6.21
2022/2/20	1900	Head	250	5d170	3975	1210	5.150	20.30	20.6	1.48
2022/2/21	2450	Head	250	924	3975	1210	6.010	24.00	24.04	0.17
2022/2/22	2450	Head	250	924	3975	1210	6.140	24.00	24.56	2.33
2022/2/19	2600	Head	250	1061	3975	1210	6.490	25.10	25.96	3.43
2022/2/21	2600	Head	250	1061	3975	1210	6.520	25.10	26.08	3.90
2022/2/20	5250	Head	100	1113	7577	910	2.320	23.10	23.2	0.43
2022/2/22	5600	Head	100	1113	7577	910	2.610	23.80	26.1	9.66
2022/2/24	5750	Head	100	1113	7577	910	2.460	22.80	24.6	7.89

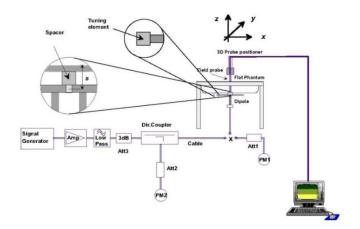


Fig 11.3.1 System Performance Check Setup



Report No. : FA1N1011-03

Fig 11.3.2 Setup Photo

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6 Page 21 of 61

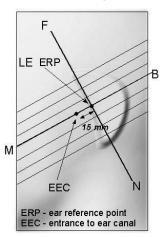
11. RF Exposure Positions

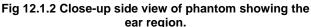
11.1 Ear and handset reference point

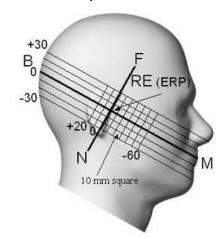
Figure 12.1.1 shows the front, back, and side views of the SAM phantom. The center-of-mouth reference point is labeled "M," the left ear reference point (ERP) is marked "LE," and the right ERP is marked "RE." Each ERP is 15 mm along the B-M (back-mouth) line behind the entrance-to-ear-canal (EEC) point,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



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







Report No.: FA1N1011-03

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

11.2 Definition of the cheek position

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

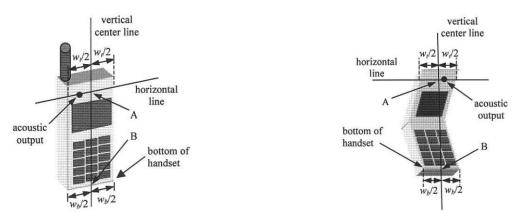


Fig 12.2.1 Handset vertical and horizontal reference lines—"fixed case

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

Report No.: FA1N1011-03

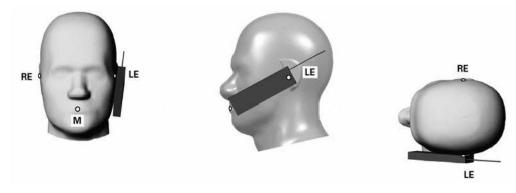


Fig 12.2.3 cheek or touch position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which establish the Reference Plane for handset positioning, are indicated.

11.3 Definition of the tilt position

Ready the handset for talk operation, if necessary. For example, for handsets with a cover piece (flip cover), open the cover. If the handset can transmit with the cover closed, both configurations must be tested.

Report No. : FA1N1011-03

RE

- While maintaining the orientation of the handset, move the handset away from the pinna along the line passing through RE and LE far enough to allow a rotation of the handset away from the cheek by 15°.
- Rotate the handset around the horizontal line by 15°.
- 4. While maintaining the orientation of the handset, move the handset towards the phantom on the line passing through RE and LE until any part of the handset touches the ear. The tilt position is obtained when the contact point is on the pinna. See Figure 12.3.1. If contact occurs at any location other than the pinna, e.g., the antenna at the back of the phantom head, the angle of the handset should be reduced. In this case, the tilt position is obtained if any point on the handset is in contact with the pinna and a second point

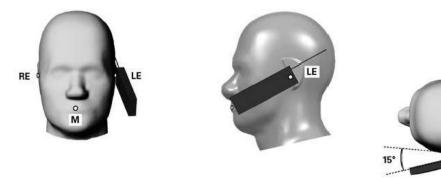


Fig 12.3.1 Tilt position. The reference points for the right ear (RE), left ear (LE), and mouth (M), which define the Reference Plane for handset positioning, are indicated.

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6 Page 24 of 61

11.4 Body Worn Accessory

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 12.4). Per KDB648474 D04v01r03, body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB 447498 D01v06 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for body-worn accessory, measured without a headset connected to the handset is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a handset attached to the handset.

Report No.: FA1N1011-03

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

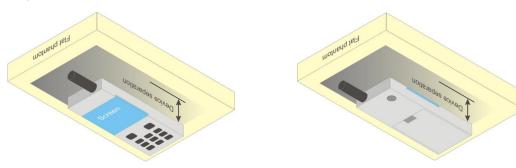


Fig 12.4 Body Worn Position

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 25 of 61 Form version. : 200414

11.5 Product Specific 10g SAR Exposure

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

Report No.: FA1N1011-03

Issued Date: Mar. 15, 2022

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

11.6 Wireless Router

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

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

TEL: +86-755-86379589 / FAX: +86-755-86379595

FCC ID: IHDT56AC6 Page 26 of 61 Form version.: 200414

12. Conducted RF Output Power (Unit: dBm)

The detailed conducted power table can refer to Appendix E.

<GSM Conducted Power>

Per KDB 447498 D01v06, the maximum output power channel is used for SAR testing and for further SAR test reduction.

Report No.: FA1N1011-03

- 2. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based 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. Therefore, the GPRS 2Tx slots for GSM850 and GSM1900 are considered as the primary mode.
- Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction 3. procedure is applied, 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, SAR measurement is not required for the secondary mode.

< WCDMA Conducted Power>

- 1. The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification.
- 2. The procedures in KDB 941225 D01v03r01 are applied for 3GPP Rel. 6 HSPA to configure the device in the required sub-test mode(s) to determine SAR test exclusion.
- 3. For DC-HSDPA, the device was configured according to the H-Set 12, Fixed Reference Channel (FRC) configuration in Table C.8.1.12 of 3GPP TS 34.121-1, with the primary and the secondary serving HS-DSCH Cell enabled during the power measurement.

A summary of these settings are illustrated below:

HSDPA Setup Configuration:

- The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration. a.
- The RF path losses were compensated into the measurements. b.
- A call was established between EUT and Base Station with following setting: C.
 - Set Gain Factors (β_c and β_d) and parameters were set according to each
 - Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
 - Set RMC 12.2Kbps + HSDPA mode. iii.
 - Set Cell Power = -86 dBm
 - Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
 - vi. Select HSDPA Uplink Parameters
 - Set Delta ACK, Delta NACK and Delta CQI = 8
 - Set Ack-Nack Repetition Factor to 3 viii.
 - Set CQI Feedback Cycle (k) to 4 ms ix.
 - Set CQI Repetition Factor to 2 Χ.
 - Power Ctrl Mode = All Up bits
- The transmitted maximum output power was recorded.

TEL: +86-755-86379589 / FAX: +86-755-86379595 Issued Date: Mar. 15, 2022

Form version. : 200414 FCC ID: IHDT56AC6 Page 27 of 61



FCC SAR Test Report

Report No. : FA1N1011-03 Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH

Sub-test	βο	βd	β _d (SF)	βс/βа	βнs (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	15/15	64	12/15	24/15	1.0	0.0
	(Note 4)	(Note 4)		(Note 4)			
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, \triangle ACK and \triangle NACK = 30/15 with β_{hs} = 30/15 * β_c , and \triangle CQI = 24/15 with $\beta_{hs} = 24/15 * \beta_c$.

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

For subtest 2 the β_0/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is Note 4: achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 11/15 and β_d

Setup Configuration

TEL: +86-755-86379589 / FAX: +86-755-86379595

Form version. : 200414 FCC ID: IHDT56AC6 Page 28 of 61

Issued Date: Mar. 15, 2022



SPORTON LAB. FCC SAR Test Report

HSUPA Setup Configuration:

- The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- A call was established between EUT and Base Station with following setting *:
 - Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
 - Set the Gain Factors (β_c and β_d) and parameters (AG Index) were set according to each specific sub-test ii. in the following table, C11.1.3, quoted from the TS 34.121

Report No.: FA1N1011-03

- Set Cell Power = -86 dBm
- iv. Set Channel Type = 12.2k + HSPA
- Set UE Target Power
- v. Set UE Target Power
 vi. Power Ctrl Mode= Alternating
 vii. Set and observe the E-TFCI Power Ctrl Mode= Alternating bits
- viii. Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI
- d. The transmitted maximum output power was recorded.

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

Sub- test	βα	βd	β _d (SF)	βс/βа	βнs (Note1)	Вес	β _{ed} (Note 4) (Note 5)	β _{ed} (SF)	β _{ed} (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2) (Note 6)	AG Index (Note 5)	E- TFCI
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/2 25	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	β _{ed} 1: 47/15 β _{ed} 2: 47/15	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	0	-	-	5/15	5/15	47/15	4	1	1.0	0.0	12	67

- Note 1: For sub-test 1 to 4, Δ_{ACK} , Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hx} = 30/15 * β_c . For sub-test 5, Δ_{ACK} , Δ_{NACK} and Δ_{CQI} = 5/15 with $\beta_{hs} = 5/15 * \beta_c$.
- CM = 1 for β_e/β_d =12/15, $\beta_h = \beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS- DPCCH, E-DPDCH Note 2: and E-DPCCH the MPR is based on the relative CM difference.
- For subtest 1 the β_d/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by Note 3: setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 10/15 and β_d = 15/15.
- In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to Note 4:
- Bed can not be set directly; it is set by Absolute Grant Value. Note 5:
- For subtests 2, 3 and 4, UE may perform E-DPDCH power scaling at max power which could results in slightly Note 6: smaller MPR values.

Setup Configuration

Page 29 of 61

FCC SAR Test Report

DC-HSDPA 3GPP release 8 Setup Configuration:

- a. The EUT was connected to Base Station referred to the Setup Configuration below
- 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 RMC 12.2Kbps + HSDPA mode.
 - ii. Set Cell Power = -25 dBm
 - iii. Set HS-DSCH Configuration Type to FRC (H-set 12, QPSK)
 - iv. Select HSDPA Uplink Parameters
 - v. Set Gain Factors (β_c and β_d) and parameters were set according to each Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121

Report No.: FA1N1011-03

- a). Subtest 1: $\beta_c/\beta_d=2/15$
- b). Subtest 2: $\beta_c/\beta_d = 12/15$
- c). Subtest 3: $\beta_c/\beta_d=15/8$
- d). Subtest 4: $\beta_c/\beta_d=15/4$
- 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 4 ms
- ix. Set CQI Repetition Factor to 2
- x. Power Ctrl Mode = All Up bits
- d. The transmitted maximum output power was recorded.

The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification. A summary of these settings are illustrated below:

C.8.1.12 Fixed Reference Channel Definition H-Set 12

Table C.8.1.12: Fixed Reference Channel H-Set 12

	Parameter	Unit	Value			
Nominal	Avg. Inf. Bit Rate	kbps	60			
Inter-TTI	Distance	TTľs	1			
Number of	of HARQ Processes	Proces	6			
		ses	0			
Information	on Bit Payload ($N_{\it INF}$)	Bits	120			
Number (Code Blocks	Blocks	1			
Binary Cl	nannel Bits Per TTI	Bits	960			
Total Ava	ilable SML's in UE	SML's	19200			
Number of	of SML's per HARQ Proc.	SML's	3200			
Coding R	ate		0.15			
Number of	of Physical Channel Codes	Codes	1			
Modulatio		QPSK				
Note 1:	Note 1: The RMC is intended to be used for DC-HSDPA					
	mode and both cells shall transmit with identical					
	parameters as listed in the table.					
Note 2:	Note 2: Maximum number of transmission is limited to 1, i.e.,					
	retransmission is not allowed. The		cy and			
	constellation version 0 shall be use	ed.				

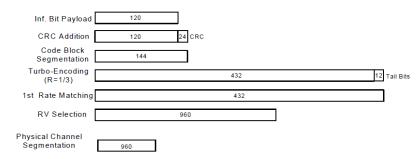


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

Setup Configuration



< WCDMA Conducted Power>

General Note:

Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".

Report No.: FA1N1011-03

2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA is ≤ 1/4 dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA) are less than ½ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA

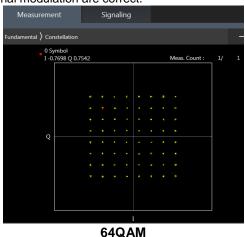
TEL: +86-755-86379589 / FAX: +86-755-86379595

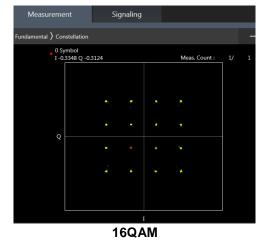
Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6 Page 31 of 61

<LTE Conducted Power>

General Note:

- Anritsu MT8820C 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 EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
- 2. Per KDB 941225 D05v02r05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
- 3. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
- 4. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
- 5. Per KDB 941225 D05v02r05, for QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
- 6. Per KDB 941225 D05v02r05, 16QAM/64QAM output power for each RB allocation configuration is > not ½ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM/64QAM SAR testing is not required.
- 7. Per KDB 941225 D05v02r05, smaller bandwidth output power for each RB allocation configuration is > not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
- 8. For LTE B5 / B38 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
- 9. LTE B38 SAR test was covered by B41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced if
 - a. the maximum output power, including tolerance, for the smaller band is ≤ the larger band to qualify for the SAR test exclusion
 - the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band
- 10. According to 2017 TCB workshop, for 64 QAM and 16 QAM should be verified by checking the signal constellation with a call box to avoid incorrect maximum power levels due to MPR and other requirements associated with signal modulation, and the following figure is taken from the "Fundamental Measurement >> Modulation Analysis >> constellation" mode of the device connect to the MT8821C base station, therefore, the device 64QAM and 16QAM signal modulation are correct.





Issued Date: Mar. 15, 2022

Report No.: FA1N1011-03

Sporton International Inc. (Shenzhen)

TEL: +86-755-86379589 / FAX: +86-755-86379595

FCC ID : IHDT56AC6 Page 32 of 61 Form version. : 200414

<TDD LTE SAR Measurement>

TDD LTE configuration setup for SAR measurement

SAR was tested with a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by 3GPP.

- a. 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations
- b. "special subframe S" contains both uplink and downlink transmissions, it has been taken into consideration to determine the transmission duty factor according to the worst case uplink and downlink cyclic prefix requirements for UpPTS

Report No.: FA1N1011-03

c. Establishing connections with base station simulators ensure a consistent means for testing SAR and recommended for evaluating SAR. The Anritsu MT8820C (firmware: #22.52#004) was used for LTE output power measurements and SAR testing.

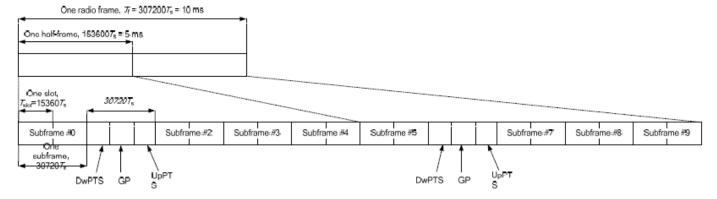


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity).

	k configurations.

Uplink-downlink Downlink-to-Uplink		Subframe number									
configuration	Switch-point periodicity	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

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

Special subframe	Norma	Normal cyclic prefix in downlink			nded cyclic prefix	lic prefix in downlink		
configuration	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 ⋅ T _s			7680 · T _s				
1	19760 · T _s			20480 · T _s	2192 · T _e	2560 · T _o		
2	21952 · T _s	$2192 \cdot T_{s}$	2560 · T _s	23040 · T _s	2192·1 _s	2300 · 1 _s		
3	24144 · T _s			25600 · T _s				
4	26336·T _s			7680 · T _s				
5	6592 · T _s			20480 · T _s	4384 · T.	5120 · T _e		
6	19760 ⋅ T _s			23040 · T _s	4364.1 _s	3120·1 _s		
7	21952 · T _s	$4384 \cdot T_s$	5120 ⋅ <i>T</i> _s	12800 · T _s				
8	24144 · T _s			-	-	-		
9	13168 · T _s			-	-	-		

Sporton International Inc. (Shenzhen)

Special subframe (30720⋅T₅): Normal cyclic prefix in downlink (UpPTS)								
	Special subframe Normal cyclic prefix in Extended cyclic prefix in configuration uplink uplink							
Uplink duty factor in one special subframe	0~4	7.13%	8.33%					
	5~9	14.3%	16.7%					

Report No.: FA1N1011-03

Special subframe(30720·T _s): Extended cyclic prefix in downlink (UpPTS)							
	Special subframe configuration	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink				
Uplink duty factor in one	0~3	7.13%	8.33%				
special subframe	4~7	14.3%	16.7%				

The highest duty factor is resulted from:

- i. Uplink-downlink configuration: 0. In a half-frame consisted of 5 subfames, uplink operation is in 3 uplink subframes and 1 special subframe.
- ii. special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink
- iii. for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is: (3+0.167)/5 = 63.3%
- iv. for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is: (3+0.143)/5 = 62.9%
- v. 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 scaled TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6 Page 34 of 61



<WLAN Conducted Power>

General Note:

1. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.

Report No.: FA1N1011-03

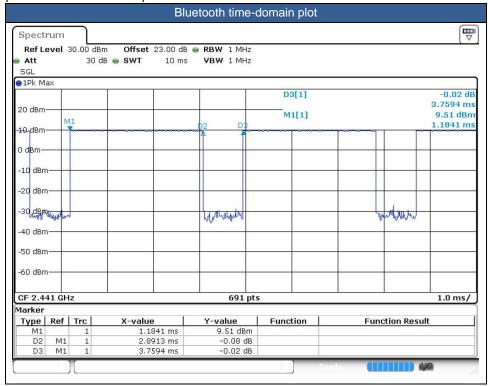
- 2. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
- 3. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
- 4. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures.18 The initial test position procedure is described in the following:
 - a. When the reported SAR of 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 802.11 transmission mode combinations within the frequency band or aggregated band.
 - b. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode 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 report SAR is ≤ 0.8 W/kg or all required test position are tested.
 - c. For all positions/configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

<2.4GHz Bluetooth>

General Note:

- For 2.4GHz Bluetooth SAR testing was selected 1Mbps, due to its highest average power.
- The Bluetooth duty cycle is 76.91 % as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation

Report No. : FA1N1011-03



TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6 Page 36 of 61

13. Antenna Location

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

Report No. : FA1N1011-03

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 37 of 61 Form version. : 200414

14. SAR Test Results

General Note:

- 1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of BT/WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
 - c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - d. For BT/WLAN: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
 - e. For TDD LTE SAR measurement of power class 3, 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.
- 2. Per KDB 447498 D01v06, for each exposure position, 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
- 3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is ≥ 0.8W/kg. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
- 4. The device implements the power management and receiver detection/hotspot mode for SAR compliance at different exposure conditions (head, body-worn, hotspot, extremity) and the details about the power management decision and sensor detection are provided in the operational description. And the device will invoke corresponding work scenarios power level base on frequency bands/antennas, which can refer to power table at appendix E.
- 5. For dual SIM card mobile has two SIM slots and supports dual SIM dual standby. The WWAN radio transmission will be enabled by either one SIM at a time (single active). After pre-scan two SIM cards power, we found test result of the SIM1 was the worse, so we chose SIM1 slot to perform all tests.
- 6. There are two samples. The difference between them could be referred to the XT2229-2_Operational Description of Product Equality Declaration which is exhibited separately. According to the difference, we choose sample 1 for full testing and sample 2 for worst case verification.
- 7. The device has three headsets. For three headsets only suppliers are different. So we chose headset 1 to perform full SAR testing only.
- 8. This device has two batteries. For battery 1 was in sample 1, and battery 2 was in sample 2. They were all evaluated for SAR testing conservatively.
- 9. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.
 - a. For this device SAR for WWAN/WLAN transmitter scaled to maximum output power mode for product specific 10g SAR is higher than 1.2W/kg of GSM850/1900, WCDMA Band II/V, LTE Band5/7/38/41, 5.2GHz/5.8GHz, therefore product specific 10g SAR is necessary.
 - b. WLAN 5.3/5.5GHz tested the product specific 10g SAR since it has no hotspot mode.
 - c. When 10-g product specific 10g SAR is considered, SAR thresholds is specified in the procedures for SAR test reduction and exclusion should be multiplied by 2.5.

Page 38 of 61

FCC ID: IHDT56AC6

Form version. : 200414

Issued Date: Mar. 15, 2022

Report No. : FA1N1011-03



GSM Note:

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE modes is determined by the source-based 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. Therefore, the GPRS 2Tx slots for GSM850 and GSM1900 are considered as the primary mode.

Report No.: FA1N1011-03

Other configurations of GSM / GPRS / EDGE are considered as secondary modes. The 3G SAR test reduction procedure
is applied, 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, SAR measurement is not required for the secondary mode.

WCDMA Note:

- 1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".
- 2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA is ≤ ¼ dB higher than RMC 12.2kbps or when the highest reported SAR of the RMC12.2kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSDPA / HSUPA / DC-HSDPA) are less than ¼ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA.

LTE Note:

- 1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
- 2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
- 3. Per KDB 941225 D05v02r05, for QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
- 4. Per KDB 941225 D05v02r05, 16QAM/64QAM output power for each RB allocation configuration is > not ½ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM/64QAM SAR testing is not required.
- 5. Per KDB 941225 D05v02r05, smaller bandwidth output power for each RB allocation configuration is > not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
- 6. For LTE B5 / B38 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
- 7. LTE B38 SAR test was covered by B41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced if
 - a. the maximum output power, including tolerance, for the smaller band is ≤ the larger band to qualify for the SAR test exclusion
 - b. the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band

WLAN Note:

- 1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required 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.
- 2. Per KDB 248227 D01v02r02, U-NII-1 SAR testing is not required when the U-NII-2A band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.
- 3. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode 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 report SAR is ≤ 0.8 W/kg or all required test position are tested.
- 4. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
- 5. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

Sporton International Inc. (Shenzhen)

14.1 Head SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor		Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
01	GSM850	GPRS 2 Tx slots	Right Cheek	0mm	Full	251	848.8	1	30.82	32.00	1.312	-0.08	0.618	0.811
	GSM850	GPRS 2 Tx slots	Right Tilted	0mm	Full	251	848.8	1	30.82	32.00	1.312	-0.07	0.227	0.298
	GSM850	GPRS 2 Tx slots	Left Cheek	0mm	Full	251	848.8	1	30.82	32.00	1.312	-0.01	0.433	0.568
	GSM850	GPRS 2 Tx slots	Left Tilted	0mm	Full	251	848.8	1	30.82	32.00	1.312	-0.11	0.190	0.249
	GSM850	GPRS 2 Tx slots	Right Cheek	0mm	Full	128	824.2	1	30.74	32.00	1.337	-0.04	0.543	0.726
	GSM850	GPRS 2 Tx slots	Right Cheek	0mm	Full	189	836.4	1	30.78	32.00	1.324	-0.06	0.539	0.714
	GSM850	GPRS 2 Tx slots	Right Cheek	0mm	Full	251	848.8	2	30.82	32.00	1.312	-0.12	0.512	0.672
02	GSM1900	GPRS 2 Tx slots	Right Cheek	0mm	Full	810	1909.8	1	28.08	29.50	1.387	-0.14	0.219	0.304
	GSM1900	GPRS 2 Tx slots	Right Tilted	0mm	Full	810	1909.8	1	28.08	29.50	1.387	-0.12	0.115	0.159
	GSM1900	GPRS 2 Tx slots	Left Cheek	0mm	Full	810	1909.8	1	28.08	29.50	1.387	0.15	0.136	0.189
	GSM1900	GPRS 2 Tx slots	Left Tilted	0mm	Full	810	1909.8	1	28.08	29.50	1.387	0.02	0.124	0.172

Report No. : FA1N1011-03

<WCDMA SAR>

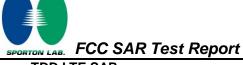
Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor		Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
03	WCDMA V	RMC 12.2Kbps	Right Cheek	0mm	Full	4182	836.4	1	22.88	24.00	1.294	-0.18	0.434	0.562
	WCDMA V	RMC 12.2Kbps	Right Tilted	0mm	Full	4182	836.4	1	22.88	24.00	1.294	-0.13	0.166	0.215
	WCDMA V	RMC 12.2Kbps	Left Cheek	0mm	Full	4182	836.4	1	22.88	24.00	1.294	-0.16	0.256	0.331
	WCDMA V	RMC 12.2Kbps	Left Tilted	0mm	Full	4182	836.4	1	22.88	24.00	1.294	-0.13	0.155	0.201
04	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Full	9400	1880	1	22.89	24.00	1.291	-0.13	0.347	0.448
	WCDMA II	RMC 12.2Kbps	Right Tilted	0mm	Full	9400	1880	1	22.89	24.00	1.291	0.1	0.215	0.278
	WCDMA II	RMC 12.2Kbps	Left Cheek	0mm	Full	9400	1880	1	22.89	24.00	1.291	-0.09	0.280	0.362
	WCDMA II	RMC 12.2Kbps	Left Tilted	0mm	Full	9400	1880	1	22.89	24.00	1.291	-0.18	0.265	0.342
	WCDMA II	RMC 12.2Kbps	Right Cheek	0mm	Full	9400	1880	2	22.89	24.00	1.291	0.09	0.341	0.440

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)		Tune-up Scaling Factor		Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
05	LTE Band 5	10M	QPSK	1	25	Right Cheek	0mm	Full	20525	836.5	1	22.52	24.00	1.406	-0.04	0.432	0.607
	LTE Band 5	10M	QPSK	1	25	Right Tilted	0mm	Full	20525	836.5	1	22.52	24.00	1.406	0.05	0.159	0.224
	LTE Band 5	10M	QPSK	1	25	Left Cheek	0mm	Full	20525	836.5	1	22.52	24.00	1.406	-0.15	0.259	0.364
	LTE Band 5	10M	QPSK	1	25	Left Tilted	0mm	Full	20525	836.5	1	22.52	24.00	1.406	0.05	0.154	0.217
	LTE Band 5	10M	QPSK	25	0	Right Cheek	0mm	Full	20525	836.5	1	21.54	23.00	1.400	0.11	0.343	0.480
	LTE Band 5	10M	QPSK	25	0	Right Tilted	0mm	Full	20525	836.5	1	21.54	23.00	1.400	-0.03	0.132	0.185
	LTE Band 5	10M	QPSK	25	0	Left Cheek	0mm	Full	20525	836.5	1	21.54	23.00	1.400	-0.02	0.210	0.294
	LTE Band 5	10M	QPSK	25	0	Left Tilted	0mm	Full	20525	836.5	1	21.54	23.00	1.400	0.16	0.131	0.183
06	LTE Band 7	20M	QPSK	1	49	Right Cheek	0mm	Full	21100	2535	1	22.48	24.00	1.419	0.18	0.119	0.169
	LTE Band 7	20M	QPSK	1	49	Right Tilted	0mm	Full	21100	2535	1	22.48	24.00	1.419	0.01	0.005	0.007
	LTE Band 7	20M	QPSK	1	49	Left Cheek	0mm	Full	21100	2535	1	22.48	24.00	1.419	0.16	0.050	0.071
	LTE Band 7	20M	QPSK	1	49	Left Tilted	0mm	Full	21100	2535	1	22.48	24.00	1.419	0.05	0.003	0.004
	LTE Band 7	20M	QPSK	50	0	Right Cheek	0mm	Full	21100	2535	1	21.32	23.00	1.472	-0.06	0.078	0.115
	LTE Band 7	20M	QPSK	50	0	Right Tilted	0mm	Full	21100	2535	1	21.32	23.00	1.472	-0.01	0.002	0.003
	LTE Band 7	20M	QPSK	50	0	Left Cheek	0mm	Full	21100	2535	1	21.32	23.00	1.472	-0.18	0.037	0.054
	LTE Band 7	20M	QPSK	50	0	Left Tilted	0mm	Full	21100	2535	1	21.32	23.00	1.472	-0.12	0.004	0.006

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 40 of 61 Form version. : 200414



<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Cycle	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
07	LTE Band 41	20M	QPSK	1	49	Right Cheek	0mm	Full	40400	2571	1	22.93	24.00	1.279	62.9	1.006	-0.12	0.073	0.094
	LTE Band 41	20M	QPSK	1	49	Right Tilted	0mm	Full	40400	2571	1	22.93	24.00	1.279	62.9	1.006	-0.05	0.004	0.005
	LTE Band 41	20M	QPSK	1	49	Left Cheek	0mm	Full	40400	2571	1	22.93	24.00	1.279	62.9	1.006	-0.08	0.037	0.048
	LTE Band 41	20M	QPSK	1	49	Left Tilted	0mm	Full	40400	2571	1	22.93	24.00	1.279	62.9	1.006	-	0.001	0.001
	LTE Band 41	20M	QPSK	50	0	Right Cheek	0mm	Full	40400	2571	1	21.83	23.00	1.309	62.9	1.006	0.08	0.048	0.063
	LTE Band 41	20M	QPSK	50	0	Right Tilted	0mm	Full	40400	2571	1	21.83	23.00	1.309	62.9	1.006	0.13	0.002	0.003
	LTE Band 41	20M	QPSK	50	0	Left Cheek	0mm	Full	40400	2571	1	21.83	23.00	1.309	62.9	1.006	0.02	0.029	0.038
	LTE Band 41	20M	QPSK	50	0	Left Tilted	0mm	Full	40400	2571	1	21.83	23.00	1.309	62.9	1.006	-0.12	0.003	0.004

Report No. : FA1N1011-03

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	DH5 1Mbps	Right Cheek	0mm	Full	78	2480	1	9.40	10.50	1.288	76.91	1.300	-0.05	0.039	0.065
	Bluetooth	DH5 1Mbps	Right Tilted	0mm	Full	78	2480	1	9.40	10.50	1.288	76.91	1.300	0.18	0.043	0.072
08	Bluetooth	DH5 1Mbps	Left Cheek	0mm	Full	78	2480	1	9.40	10.50	1.288	76.91	1.300	-0.14	0.116	0.194
	Bluetooth	DH5 1Mbps	Left Tilted	0mm	Full	78	2480	1	9.40	10.50	1.288	76.91	1.300	-0.02	0.077	0.129

<WLAN2.4G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Reduced	6	2437	1	16.50	17.50	1.259	99.27	1.007	0.11	0.407	0.516
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Reduced	6	2437	1	16.50	17.50	1.259	99.27	1.007	-0.03	0.462	0.586
09	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Reduced	6	2437	1	16.50	17.50	1.259	99.27	1.007	-0.14	0.905	1.147
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Reduced	6	2437	1	16.50	17.50	1.259	99.27	1.007	0.02	0.846	1.073
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Reduced	1	2412	1	16.40	17.50	1.288	99.27	1.007	0.09	0.800	1.038
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Reduced	11	2462	1	16.30	17.50	1.318	99.27	1.007	-0.03	0.799	1.061
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Reduced	6	2437	2	16.50	17.50	1.259	99.27	1.007	0.02	0.879	1.114
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Reduced	1	2412	1	16.40	17.50	1.288	99.27	1.007	0.13	0.669	0.868
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Reduced	11	2462	1	16.30	17.50	1.318	99.27	1.007	0.06	0.708	0.940

<WLAN5G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Reduced	58	5290	1	12.00	13.50	1.413	87.77	1.139	0.06	0.318	0.512
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Reduced	58	5290	1	12.00	13.50	1.413	87.77	1.139	0.07	0.405	0.652
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Reduced	58	5290	1	12.00	13.50	1.413	87.77	1.139	0.02	0.471	0.758
10	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Reduced	58	5290	1	12.00	13.50	1.413	87.77	1.139	-0.08	0.733	1.179
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Reduced	58	5290	2	12.00	13.50	1.413	87.77	1.139	-0.06	0.649	1.044
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Reduced	138	5690	1	10.82	12.50	1.472	87.77	1.139	0.09	0.259	0.434
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Reduced	138	5690	1	10.82	12.50	1.472	87.77	1.139	0.11	0.334	0.560
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Reduced	138	5690	1	10.82	12.50	1.472	87.77	1.139	0.05	0.391	0.656
11	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Reduced	138	5690	1	10.82	12.50	1.472	87.77	1.139	-0.12	0.660	1.107
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Reduced	122	5610	1	10.57	12.50	1.560	87.77	1.139	0.12	0.528	0.938
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Reduced	106	5530	1	10.56	12.50	1.563	87.77	1.139	0.13	0.433	0.771
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Reduced	155	5775	1	11.96	13.00	1.271	87.77	1.139	0.06	0.295	0.427
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Reduced	155	5775	1	11.96	13.00	1.271	87.77	1.139	0.02	0.401	0.580
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Reduced	155	5775	1	11.96	13.00	1.271	87.77	1.139	0.08	0.443	0.641
12	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Reduced	155	5775	1	11.96	13.00	1.271	87.77	1.139	-0.14	0.791	1.145

Sporton International Inc. (Shenzhen)

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 41 of 61 Form version. : 200414

14.2 Hotspot SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)		Tune-up Scaling Factor		Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850	GPRS 2 Tx slots	Front	5mm	Reduced	251	848.8	1	29.26	30.50	1.330	0.1	0.511	0.680
13	GSM850	GPRS 2 Tx slots	Back	5mm	Reduced	251	848.8	1	29.26	30.50	1.330	-0.01	1.020	1.357
	GSM850	GPRS 2 Tx slots	Left Side	5mm	Reduced	251	848.8	1	29.26	30.50	1.330	0.18	0.274	0.365
	GSM850	GPRS 2 Tx slots	Right Side	5mm	Reduced	251	848.8	1	29.26	30.50	1.330	-0.12	0.407	0.541
	GSM850	GPRS 2 Tx slots	Bottom Side	5mm	Reduced	251	848.8	1	29.26	30.50	1.330	0.16	0.395	0.526
	GSM850	GPRS 2 Tx slots	Back	5mm	Reduced	128	824.2	1	29.12	30.50	1.374	0.05	0.894	1.228
	GSM850	GPRS 2 Tx slots	Back	5mm	Reduced	189	836.4	1	29.20	30.50	1.349	0.03	0.874	1.179
	GSM1900	GPRS 2 Tx slots	Front	5mm	Reduced	810	1909.8	1	22.32	24.00	1.472	0.02	0.301	0.443
	GSM1900	GPRS 2 Tx slots	Back	5mm	Reduced	810	1909.8	1	22.32	24.00	1.472	-0.18	0.518	0.763
	GSM1900	GPRS 2 Tx slots	Left Side	5mm	Reduced	810	1909.8	1	22.32	24.00	1.472	0.05	0.114	0.168
	GSM1900	GPRS 2 Tx slots	Right Side	5mm	Reduced	810	1909.8	1	22.32	24.00	1.472	0.13	0.063	0.093
	GSM1900	GPRS 2 Tx slots	Bottom Side	5mm	Reduced	810	1909.8	1	22.32	24.00	1.472	0.13	0.850	1.251
14	GSM1900	GPRS 2 Tx slots	Bottom Side	5mm	Reduced	512	1850.2	1	22.28	24.00	1.486	-0.17	0.866	1.287
	GSM1900	GPRS 2 Tx slots	Bottom Side	5mm	Reduced	661	1880	1	22.29	24.00	1.483	-0.1	0.794	1.177

Report No. : FA1N1011-03

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)		Tune-up Scaling Factor		Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA V	RMC 12.2Kbps	Front	5mm	Reduced	4182	836.4	1	22.10	23.50	1.380	0.01	0.576	0.795
15	WCDMA V	RMC 12.2Kbps	Back	5mm	Reduced	4182	836.4	1	22.10	23.50	1.380	-0.01	1.040	1.436
	WCDMA V	RMC 12.2Kbps	Left Side	5mm	Reduced	4182	836.4	1	22.10	23.50	1.380	0.13	0.450	0.621
	WCDMA V	RMC 12.2Kbps	Right Side	5mm	Reduced	4182	836.4	1	22.10	23.50	1.380	-0.06	0.547	0.755
	WCDMA V	RMC 12.2Kbps	Bottom Side	5mm	Reduced	4182	836.4	1	22.10	23.50	1.380	0.04	0.537	0.741
	WCDMA V	RMC 12.2Kbps	Back	5mm	Reduced	4132	826.4	1	21.97	23.50	1.422	0.02	0.969	1.378
	WCDMA V	RMC 12.2Kbps	Back	5mm	Reduced	4233	846.6	1	21.93	23.50	1.435	-0.04	0.929	1.334
	WCDMA V	RMC 12.2Kbps	Back	5mm	Reduced	4182	836.4	2	22.10	23.50	1.380	0.02	0.952	1.314
	WCDMA II	RMC 12.2Kbps	Front	5mm	Reduced	9400	1880	1	15.52	17.00	1.406	-0.09	0.362	0.509
	WCDMA II	RMC 12.2Kbps	Back	5mm	Reduced	9400	1880	1	15.52	17.00	1.406	-0.14	0.522	0.734
	WCDMA II	RMC 12.2Kbps	Left Side	5mm	Reduced	9400	1880	1	15.52	17.00	1.406	0.05	0.132	0.186
	WCDMA II	RMC 12.2Kbps	Right Side	5mm	Reduced	9400	1880	1	15.52	17.00	1.406	0.19	0.075	0.105
	WCDMA II	RMC 12.2Kbps	Bottom Side	5mm	Reduced	9400	1880	1	15.52	17.00	1.406	-0.15	0.984	1.384
16	WCDMA II	RMC 12.2Kbps	Bottom Side	5mm	Reduced	9262	1852.4	1	15.48	17.00	1.419	0.19	0.998	1.416
	WCDMA II	RMC 12.2Kbps	Bottom Side	5mm	Reduced	9538	1907.6	1	15.40	17.00	1.445	0.11	0.953	1.378
	WCDMA II	RMC 12.2Kbps	Bottom Side	5mm	Reduced	9262	1852.4	2	15.48	17.00	1.419	-0.01	0.837	1.188

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 42 of 61 Form version. : 200414



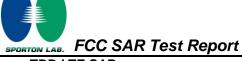
<FDD LTE SAR>

							_	_		_		Average	Tune-Up	Tune-up	Power	Measured	Reported
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap	Power Reduction	Ch.	Freq. (MHz)	Cample	Power	Limit	Scaling	Drift	1g SAR	1g SAR
NO.				0126		1 03111011	(''''')			` ′		(dBm)	(dBm)	Factor	(dB)	(W/kg)	(W/kg)
	LTE Band 5	10M	QPSK	1	25	Front	5mm	Reduced	20525	836.5	1	22.21	23.50	1.346	-0.11	0.564	0.759
17		10M	QPSK	1	25	Back	5mm	Reduced	20525	836.5	1	22.21	23.50	1.346	-0.09	0.973	1.310
	LTE Band 5	10M	QPSK	1	25	Left Side	5mm	Reduced	20525	836.5	1	22.21	23.50	1.346	0.12	0.514	0.692
	LTE Band 5	10M	QPSK	1	25	Right Side	5mm	Reduced	20525	836.5	1	22.21	23.50	1.346	0.13	0.589	0.793
	LTE Band 5	10M	QPSK	1	25	Bottom Side	5mm	Reduced	20525	836.5	1	22.21	23.50	1.346	0.18	0.579	0.779
	LTE Band 5	10M	QPSK	25	0	Front	5mm	Reduced	20525	836.5	1	21.07	22.50	1.390	0.05	0.457	0.635
	LTE Band 5	10M	QPSK	25	0	Back	5mm	Reduced	20525	836.5	1	21.07	22.50	1.390	-0.18	0.867	1.205
	LTE Band 5	10M	QPSK	25	0	Left Side	5mm	Reduced	20525	836.5	1	21.07	22.50	1.390	-0.04	0.423	0.588
	LTE Band 5	10M	QPSK	25	0	Right Side	5mm	Reduced	20525	836.5	1	21.07	22.50	1.390	0.05	0.505	0.702
	LTE Band 5	10M	QPSK	25	0	Bottom Side	5mm	Reduced	20525	836.5	1	21.07	22.50	1.390	-0.11	0.448	0.623
	LTE Band 5	10M	QPSK	50	0	Back	5mm	Reduced	20525	836.5	1	21.03	22.50	1.403	-0.19	0.810	1.136
	LTE Band 7	20M	QPSK	1	49	Front	5mm	Reduced	21100	2535	1	12.81	14.00	1.315	-0.12	0.412	0.542
	LTE Band 7	20M	QPSK	1	49	Back	5mm	Reduced	21100	2535	1	12.81	14.00	1.315	-0.08	0.818	1.076
	LTE Band 7	20M	QPSK	1	49	Left Side	5mm	Reduced	21100	2535	1	12.81	14.00	1.315	0.06	0.024	0.032
	LTE Band 7	20M	QPSK	1	49	Right Side	5mm	Reduced	21100	2535	1	12.81	14.00	1.315	0.04	0.013	0.017
18	LTE Band 7	20M	QPSK	1	49	Bottom Side	5mm	Reduced	21100	2535	1	12.81	14.00	1.315	0.14	1.030	1.355
	LTE Band 7	20M	QPSK	1	49	Bottom Side	5mm	Reduced	20850	2510	1	12.77	14.00	1.327	0.09	0.875	1.161
	LTE Band 7	20M	QPSK	1	49	Bottom Side	5mm	Reduced	21350	2560	1	12.76	14.00	1.330	0.06	0.921	1.225
	LTE Band 7	20M	QPSK	1	49	Back	5mm	Reduced	20850	2510	1	12.77	14.00	1.327	-0.01	0.615	0.816
	LTE Band 7	20M	QPSK	1	49	Back	5mm	Reduced	21350	2560	1	12.76	14.00	1.330	-0.13	0.771	1.026
	LTE Band 7	20M	QPSK	1	49	Bottom Side	5mm	Reduced	21100	2535	2	12.81	14.00	1.315	0.09	0.892	1.173
	LTE Band 7	20M	QPSK	50	0	Front	5mm	Reduced	21100	2535	1	11.93	13.00	1.279	-0.1	0.363	0.464
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Reduced	21100	2535	1	11.93	13.00	1.279	-0.19	0.641	0.820
	LTE Band 7	20M	QPSK	50	0	Left Side	5mm	Reduced	21100	2535	1	11.93	13.00	1.279	0.09	0.031	0.040
	LTE Band 7	20M	QPSK	50	0	Right Side	5mm	Reduced	21100	2535	1	11.93	13.00	1.279	0.09	0.017	0.022
	LTE Band 7	20M	QPSK	50	0	Bottom Side	5mm	Reduced	21100	2535	1	11.93	13.00	1.279	0.04	0.810	1.036
	LTE Band 7	20M	QPSK	50	0	Bottom Side	5mm	Reduced	20850	2510	1	11.79	13.00	1.321	-0.13	0.745	0.984
	LTE Band 7	20M	QPSK	50	0	Bottom Side	5mm	Reduced	21350	2560	1	11.89	13.00	1.291	-0.1	0.806	1.041
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Reduced	20850	2510	1	11.79	13.00	1.321	-0.17	0.572	0.756
	LTE Band 7	20M	QPSK	50	0	Back	5mm	Reduced	21350	2560	1	11.89	13.00	1.291	-0.04	0.660	0.852
	LTE Band 7	20M	QPSK	100	0	Back	5mm	Reduced	21100	2535	1	11.89	13.00	1.291	0.03	0.634	0.819
	LTE Band 7	20M	QPSK	100	0	Bottom Side	5mm	Reduced	21100	2535	1	11.89	13.00	1.291	0.01	0.805	1.039

Report No. : FA1N1011-03

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 43 of 61 Form version. : 200414



<TDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample		Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41	20M	QPSK	1	49	Front	5mm	Reduced	40400	2571	1	15.12	16.00	1.225	62.9	1.006	0.11	0.442	0.545
	LTE Band 41	20M	QPSK	1	49	Back	5mm	Reduced	40400	2571	1	15.12	16.00	1.225	62.9	1.006	0.03	0.893	1.100
	LTE Band 41	20M	QPSK	1	49	Left Side	5mm	Reduced	40400	2571	1	15.12	16.00	1.225	62.9	1.006	0.09	0.012	0.015
	LTE Band 41	20M	QPSK	1	49	Right Side	5mm	Reduced	40400	2571	1	15.12	16.00	1.225	62.9	1.006	-0.16	0.025	0.031
19	LTE Band 41	20M	QPSK	1	49	Bottom Side	5mm	Reduced	40400	2571	1	15.12	16.00	1.225	62.9	1.006	0.09	1.060	1.306
	LTE Band 41	20M	QPSK	1	49	Bottom Side	5mm	Reduced	40140	2545	1	15.07	16.00	1.239	62.9	1.006	-0.03	0.920	1.147
	LTE Band 41	20M	QPSK	1	49	Bottom Side	5mm	Reduced	40670	2598	1	14.94	16.00	1.276	62.9	1.006	-0.02	0.896	1.151
	LTE Band 41	20M	QPSK	1	49	Bottom Side	5mm	Reduced	41140	2645	1	14.88	16.00	1.294	62.9	1.006	0.19	0.623	0.811
	LTE Band 41	20M	QPSK	1	49	Back	5mm	Reduced	40140	2545	1	15.07	16.00	1.239	62.9	1.006	-0.05	0.867	1.080
	LTE Band 41	20M	QPSK	1	49	Back	5mm	Reduced	40670	2598	1	14.94	16.00	1.276	62.9	1.006	-0.02	0.740	0.950
	LTE Band 41	20M	QPSK	1	49	Back	5mm	Reduced	41140	2645	1	14.88	16.00	1.294	62.9	1.006	0.07	0.520	0.677
	LTE Band 41	20M	QPSK	50	0	Front	5mm	Reduced	40400	2571	1	13.97	15.00	1.268	62.9	1.006	-0.19	0.371	0.473
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Reduced	40400	2571	1	13.97	15.00	1.268	62.9	1.006	-0.02	0.722	0.921
	LTE Band 41	20M	QPSK	50	0	Left Side	5mm	Reduced	40400	2571	1	13.97	15.00	1.268	62.9	1.006	0.05	0.008	0.010
	LTE Band 41	20M	QPSK	50	0	Right Side	5mm	Reduced	40400	2571	1	13.97	15.00	1.268	62.9	1.006	0.2	0.015	0.019
	LTE Band 41	20M	QPSK	50	0	Bottom Side	5mm	Reduced	40400	2571	1	13.97	15.00	1.268	62.9	1.006	0.07	0.895	1.141
	LTE Band 41	20M	QPSK	50	0	Bottom Side	5mm	Reduced	40140	2545	1	13.93	15.00	1.279	62.9	1.006	0.17	0.877	1.129
	LTE Band 41	20M	QPSK	50	0	Bottom Side	5mm	Reduced	40670	2598	1	13.83	15.00	1.309	62.9	1.006	0.04	0.780	1.027
	LTE Band 41	20M	QPSK	50	0	Bottom Side	5mm	Reduced	41140	2645	1	13.69	15.00	1.352	62.9	1.006	-0.04	0.563	0.766
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Reduced	40140	2545	1	13.93	15.00	1.279	62.9	1.006	0.04	0.725	0.933
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Reduced	40670	2598	1	13.83	15.00	1.309	62.9	1.006	-0.15	0.646	0.851
	LTE Band 41	20M	QPSK	50	0	Back	5mm	Reduced	41140	2645	1	13.69	15.00	1.352	62.9	1.006	-0.12	0.483	0.657
	LTE Band 41	20M	QPSK	100	0	Back	5mm	Reduced	40400	2571	1	13.97	15.00	1.268	62.9	1.006	0.04	0.721	0.919
	LTE Band 41	20M	QPSK	100	0	Bottom Side	5mm	Reduced	40400	2571	1	13.97	15.00	1.268	62.9	1.006	-0.06	0.871	1.111

Report No. : FA1N1011-03

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	DH5 1Mbps	Front	5mm	Full	78	2480	1	9.40	10.50	1.288	76.91	1.300	0.01	0.043	0.072
20	Bluetooth	DH5 1Mbps	Back	5mm	Full	78	2480	1	9.40	10.50	1.288	76.91	1.300	0.04	0.161	0.270
	Bluetooth	DH5 1Mbps	Left Side	5mm	Full	78	2480	1	9.40	10.50	1.288	76.91	1.300	0.06	0.009	0.015
	Bluetooth	DH5 1Mbps	Right Side	5mm	Full	78	2480	1	9.40	10.50	1.288	76.91	1.300	0.11	0.039	0.065
	Bluetooth	DH5 1Mbps	Top Side	5mm	Full	78	2480	1	9.40	10.50	1.288	76.91	1.300	-0.03	0.054	0.090

<WLAN2.4 SAR>

Plo ^s No.	Rand	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Cample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	DUITV	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Reduced	6	2437	1	15.40	16.50	1.288	99.27	1.007	-0.05	0.231	0.300
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Reduced	6	2437	1	15.40	16.50	1.288	99.27	1.007	-0.11	0.649	0.842
	WLAN2.4GHz	802.11b 1Mbps	Left Side	5mm	Reduced	6	2437	1	15.40	16.50	1.288	99.27	1.007	0.1	0.058	0.075
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Reduced	6	2437	1	15.40	16.50	1.288	99.27	1.007	-0.07	0.207	0.269
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Reduced	6	2437	1	15.40	16.50	1.288	99.27	1.007	-0.07	0.283	0.367
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Reduced	1	2412	1	15.30	16.50	1.318	99.27	1.007	-0.07	0.630	0.836
21	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Reduced	11	2462	1	15.10	16.50	1.380	99.27	1.007	0.03	0.821	1.141

Sporton International Inc. (Shenzhen)

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 44 of 61 Form version. : 200414



<WLAN5G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	5mm	Reduced	42	5210	1	12.00	13.50	1.413	87.77	1.139	0.06	0.161	0.259
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	5mm	Reduced	42	5210	1	12.00	13.50	1.413	87.77	1.139	-0.12	0.346	0.557
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Reduced	42	5210	1	12.00	13.50	1.413	87.77	1.139	0.06	0.008	0.013
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Reduced	42	5210	1	12.00	13.50	1.413	87.77	1.139	0.05	0.090	0.145
22	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Reduced	42	5210	1	12.00	13.50	1.413	87.77	1.139	-0.06	0.658	1.059
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Reduced	155	5775	1	11.96	13.00	1.271	87.77	1.139	0.04	0.174	0.252
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Reduced	155	5775	1	11.96	13.00	1.271	87.77	1.139	-0.19	0.569	0.823
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Side	5mm	Reduced	155	5775	1	11.96	13.00	1.271	87.77	1.139	0.02	0.021	0.030
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Reduced	155	5775	1	11.96	13.00	1.271	87.77	1.139	0.09	0.161	0.233
23	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Reduced	155	5775	1	11.96	13.00	1.271	87.77	1.139	0.09	0.797	1.153
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Reduced	155	5775	2	11.96	13.00	1.271	87.77	1.139	0.02	0.703	1.017

Report No. : FA1N1011-03

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 45 of 61 Form version. : 200414

14.3 Body Worn Accessory SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Headset	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)		Tune-up Scaling Factor		Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850	GPRS 2 Tx slots	Front	5mm	-	Reduced	251	848.8	1	29.26	30.50	1.330	0.1	0.511	0.680
24	GSM850	GPRS 2 Tx slots	Back	5mm	-	Reduced	251	848.8	1	29.26	30.50	1.330	-0.01	1.020	1.357
	GSM850	GPRS 2 Tx slots	Back	5mm	-	Reduced	128	824.2	1	29.12	30.50	1.374	0.05	0.894	1.228
	GSM850	GPRS 2 Tx slots	Back	5mm	-	Reduced	189	836.4	1	29.20	30.50	1.349	0.03	0.874	1.179
	GSM850	GPRS 2 Tx slots	Back	5mm	Headset	Reduced	251	848.8	1	29.26	30.50	1.330	-0.04	0.899	1.196
	GSM1900	GPRS 2 Tx slots	Front	5mm	-	Reduced	810	1909.8	1	24.43	26.00	1.435	0.02	0.373	0.535
	GSM1900	GPRS 2 Tx slots	Back	5mm	-	Reduced	810	1909.8	1	24.43	26.00	1.435	-0.18	0.851	1.222
25	GSM1900	GPRS 2 Tx slots	Back	5mm	-	Reduced	512	1850.2	1	24.38	26.00	1.452	-0.16	0.961	1.395
	GSM1900	GPRS 2 Tx slots	Back	5mm	-	Reduced	661	1880	1	24.36	26.00	1.459	-0.05	0.854	1.246
	GSM1900	GPRS 2 Tx slots	Back	5mm	Headset	Reduced	512	1850.2	1	24.38	26.00	1.452	-0.1	0.857	1.244

Report No. : FA1N1011-03

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Headset	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)		Tune-up Scaling Factor		Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA V	RMC 12.2Kbps	Front	5mm	-	Reduced	4182	836.4	1	22.10	23.50	1.380	0.01	0.576	0.795
26	WCDMA V	RMC 12.2Kbps	Back	5mm	-	Reduced	4182	836.4	1	22.10	23.50	1.380	-0.01	1.040	1.436
	WCDMA V	RMC 12.2Kbps	Back	5mm	-	Reduced	4132	826.4	1	21.97	23.50	1.422	0.02	0.969	1.378
	WCDMA V	RMC 12.2Kbps	Back	5mm	-	Reduced	4233	846.6	1	21.93	23.50	1.435	-0.04	0.929	1.334
	WCDMA V	RMC 12.2Kbps	Back	5mm	Headset	Reduced	4182	836.4	1	22.10	23.50	1.380	-0.15	0.908	1.253
	WCDMA V	RMC 12.2Kbps	Back	5mm	-	Reduced	4182	836.4	2	22.10	23.50	1.380	0.02	0.952	1.314
	WCDMA II	RMC 12.2Kbps	Front	5mm	-	Reduced	9400	1880	1	17.63	19.00	1.371	-0.09	0.579	0.794
27	WCDMA II	RMC 12.2Kbps	Back	5mm	-	Reduced	9400	1880	1	17.63	19.00	1.371	-0.14	1.050	1.439
	WCDMA II	RMC 12.2Kbps	Back	5mm	-	Reduced	9262	1852.4	1	17.53	19.00	1.403	-0.01	1.020	1.431
	WCDMA II	RMC 12.2Kbps	Back	5mm	-	Reduced	9538	1907.6	1	17.44	19.00	1.432	0.14	0.997	1.428
	WCDMA II	RMC 12.2Kbps	Back	5mm	Headset	Reduced	9400	1880	1	17.63	19.00	1.371	-0.06	1.020	1.398
	WCDMA II	RMC 12.2Kbps	Back	5mm	-	Reduced	9400	1880	2	17.63	19.00	1.371	-0.14	0.919	1.260

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Headset	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)		Tune-up Scaling Factor		Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 5	10M	QPSK	1	25	Front	5mm	-	Reduced	20525	836.5	1	22.21	23.50	1.346	-0.11	0.564	0.759
28	LTE Band 5	10M	QPSK	1	25	Back	5mm	-	Reduced	20525	836.5	1	22.21	23.50	1.346	-0.09	0.973	1.310
	LTE Band 5	10M	QPSK	1	25	Back	5mm	Headset	Reduced	20525	836.5	1	22.21	23.50	1.346	0.12	0.947	1.275
	LTE Band 5	10M	QPSK	25	0	Front	5mm	-	Reduced	20525	836.5	1	21.07	22.50	1.390	0.05	0.457	0.635
	LTE Band 5	10M	QPSK	25	0	Back	5mm	-	Reduced	20525	836.5	1	21.07	22.50	1.390	-0.18	0.867	1.205
	LTE Band 5	10M	QPSK	25	0	Back	5mm	Headset	Reduced	20525	836.5	1	21.07	22.50	1.390	0.09	0.837	1.163
	LTE Band 5	10M	QPSK	50	0	Back	5mm	-	Reduced	20525	836.5	1	21.03	22.50	1.403	-0.19	0.810	1.136
	LTE Band 7	20M	QPSK	1	49	Front	5mm	-	Reduced	21100	2535	1	13.40	14.50	1.288	0.04	0.518	0.667
29	LTE Band 7	20M	QPSK	1	49	Back	5mm	-	Reduced	21100	2535	1	13.40	14.50	1.288	0.01	0.937	1.207
	LTE Band 7	20M	QPSK	1	49	Back	5mm	-	Reduced	20850	2510	1	13.27	14.50	1.327	-0.14	0.705	0.936
	LTE Band 7	20M	QPSK	1	49	Back	5mm	-	Reduced	21350	2560	1	13.33	14.50	1.309	0.1	0.880	1.152
	LTE Band 7	20M	QPSK	1	49	Back	5mm	Headset	Reduced	21100	2535	1	13.40	14.50	1.288	0.17	0.820	1.056
	LTE Band 7	20M	QPSK	50	0	Front	5mm	-	Reduced	21100	2535	1	12.46	13.50	1.271	-0.18	0.457	0.581
	LTE Band 7	20M	QPSK	50	0	Back	5mm	-	Reduced	21100	2535	1	12.46	13.50	1.271	-0.04	0.751	0.954
	LTE Band 7	20M	QPSK	50	0	Back	5mm	-	Reduced	20850	2510	1	12.45	13.50	1.274	0.14	0.636	0.810
	LTE Band 7	20M	QPSK	50	0	Back	5mm	-	Reduced	21350	2560	1	12.44	13.50	1.276	0.17	0.746	0.952
	LTE Band 7	20M	QPSK	100	0	Back	5mm	-	Reduced	21100	2535	1	12.42	13.50	1.282	-0.12	0.711	0.912

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 46 of 61 Form version. : 200414



Plot No.	Band	BW (MHz)	Modulation	RB Size		Test Position	Gap (mm)	Headset	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41	20M	QPSK	1	49	Front	5mm	-	Reduced	40400	2571	1	15.93	16.50	1.140	62.9	1.006	0.03	0.522	0.599
30	LTE Band 41	20M	QPSK	1	49	Back	5mm	-	Reduced	40400	2571	1	15.93	16.50	1.140	62.9	1.006	-0.03	1.070	1.227
	LTE Band 41	20M	QPSK	1	49	Back	5mm	-	Reduced	40140	2545	1	15.90	16.50	1.148	62.9	1.006	0.03	0.760	0.878
	LTE Band 41	20M	QPSK	1	49	Back	5mm	-	Reduced	40670	2598	1	15.78	16.50	1.180	62.9	1.006	-0.06	0.920	1.092
	LTE Band 41	20M	QPSK	1	49	Back	5mm	-	Reduced	41140	2645	1	15.56	16.50	1.242	62.9	1.006	-0.1	0.869	1.085
	LTE Band 41	20M	QPSK	1	49	Back	5mm	Headset	Reduced	40400	2571	1	15.93	16.50	1.140	62.9	1.006	0.04	0.868	0.996
	LTE Band 41	20M	QPSK	1	49	Back	5mm	-	Reduced	40400	2571	2	15.93	16.50	1.140	62.9	1.006	0.09	1.050	1.204
	LTE Band 41	20M	QPSK	50	0	Front	5mm	-	Reduced	40400	2571	1	14.82	15.50	1.169	62.9	1.006	0.19	0.412	0.485
	LTE Band 41	20M	QPSK	50	0	Back	5mm	-	Reduced	40400	2571	1	14.82	15.50	1.169	62.9	1.006	-0.02	0.817	0.961
	LTE Band 41	20M	QPSK	50	0	Back	5mm	-	Reduced	40140	2545	1	14.72	15.50	1.197	62.9	1.006	-0.08	0.657	0.791
	LTE Band 41	20M	QPSK	50	0	Back	5mm	-	Reduced	40670	2598	1	14.67	15.50	1.211	62.9	1.006	-0.04	0.713	0.868
	LTE Band 41	20M	QPSK	50	0	Back	5mm	-	Reduced	41140	2645	1	14.50	15.50	1.259	62.9	1.006	-0.14	0.615	0.779
	LTE Band 41	20M	QPSK	100	0	Back	5mm	-	Reduced	40400	2571	1	14.78	15.50	1.180	62.9	1.006	-0.19	0.855	1.015

Report No. : FA1N1011-03

Plot No.	Band	Mode	Test Position	Gap (mm)	Headset	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	DH5 1Mbps	Front	5mm	-	Full	78	2480	1	9.40	10.50	1.288	76.91	1.300	0.01	0.043	0.072
31	Bluetooth	DH5 1Mbps	Back	5mm	-	Full	78	2480	1	9.40	10.50	1.288	76.91	1.300	0.04	0.161	0.270

Plo No	Rand	Mode	Test Position	Gap (mm)	Headset	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	(dB)	Measured 1g SAR (W/kg)	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	-	Reduced	6	2437	1	15.40	16.50	1.288	99.27	1.007	-0.05	0.231	0.300
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	-	Reduced	6	2437	1	15.40	16.50	1.288	99.27	1.007	-0.11	0.649	0.842
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	-	Reduced	1	2412	1	15.30	16.50	1.318	99.27	1.007	-0.07	0.630	0.836
32	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	-	Reduced	11	2462	1	15.10	16.50	1.380	99.27	1.007	0.03	0.821	1.141

Plot No.	Band	Mode	Test Position	Gap (mm)	Headset	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	5mm	-	Reduced	54	5270	1	15.72	17.00	1.343	93.3	1.072	0.01	0.419	0.603
33	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	-	Reduced	54	5270	1	15.72	17.00	1.343	93.3	1.072	-0.11	0.753	1.084
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm		Reduced	62	5310	1	13.80	15.50	1.479	93.3	1.072	0.03	0.482	0.764
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	-	Reduced	138	5690	1	11.86	13.50	1.459	87.77	1.139	0.13	0.247	0.410
34	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	-	Reduced	138	5690	1	11.86	13.50	1.459	87.77	1.139	-0.12	0.709	1.178
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	-	Reduced	122	5610	1	11.65	13.50	1.531	87.77	1.139	0.08	0.431	0.752
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	-	Reduced	138	5690	2	11.86	13.50	1.459	87.77	1.139	-0.12	0.639	1.062
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	-	Reduced	155	5775	1	12.50	13.50	1.259	87.77	1.139	0.05	0.241	0.346
35	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	-	Reduced	155	5775	1	12.50	13.50	1.259	87.77	1.139	-0.15	0.806	1.156

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 47 of 61 Form version. : 200414

14.4 Product Specific SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample						Reported 10g SAR (W/kg)
36	GSM850	GPRS 2 Tx slots	Back	0mm	Reduced	251	848.8	1	29.26	30.50	1.330	-0.13	1.490	1.982
	GSM1900	GPRS 2 Tx slots	Back	0mm	Reduced	810	1909.8	1	24.43	26.00	1.435	-0.12	0.808	1.160
37	GSM1900	GPRS 2 Tx slots	Bottom Side	0mm	Reduced	810	1909.8	1	24.43	26.00	1.435	0.18	1.040	1.493

Report No. : FA1N1011-03

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor		Measured 10g SAR (W/kg)	
	WCDMA V	RMC 12.2Kbps	Back	0mm	Reduced	4182	836.4	1	22.10	23.50	1.380	0.03	1.580	2.181
38	WCDMA V	RMC 12.2Kbps	Back	0mm	Reduced	4132	826.4	1	21.97	23.50	1.422	-0.06	1.590	2.262
	WCDMA V	RMC 12.2Kbps	Back	0mm	Reduced	4233	846.6	1	21.93	23.50	1.435	-0.07	1.410	2.024
	WCDMA V	RMC 12.2Kbps	Back	0mm	Reduced	4132	836.4	2	21.97	23.50	1.422	0.05	1.520	2.162
	WCDMA II	RMC 12.2Kbps	Bottom Side	0mm	Reduced	9400	1880	1	17.63	19.00	1.371	-0.09	1.580	2.166
39	WCDMA II	RMC 12.2Kbps	Bottom Side	0mm	Reduced	9262	1852.4	1	17.53	19.00	1.403	-0.05	1.690	2.371
	WCDMA II	RMC 12.2Kbps	Bottom Side	0mm	Reduced	9538	1907.6	1	17.44	19.00	1.432	-0.03	1.500	2.148
	WCDMA II	RMC 12.2Kbps	Bottom Side	0mm	Reduced	9262	1852.4	2	17.53	19.00	1.403	0.02	1.510	2.118

<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor		Measured 10g SAR (W/kg)	
40	LTE Band 5	10M	QPSK	1	25	Back	0mm	Reduced	20525	836.5	1	22.21	23.50	1.346	0.07	1.550	2.086
	LTE Band 5	10M	QPSK	25	0	Back	0mm	Reduced	20525	836.5	1	21.07	22.50	1.390	0.04	1.320	1.835
	LTE Band 5	10M	QPSK	50	0	Back	0mm	Reduced	20525	836.5	1	21.03	22.50	1.403	-0.09	1.290	1.810
41	LTE Band 7	20M	QPSK	1	49	Back	0mm	Reduced	21100	2535	1	13.40	14.50	1.288	0.18	1.030	1.327
	LTE Band 7	20M	QPSK	1	49	Bottom Side	0mm	Reduced	21100	2535	1	13.40	14.50	1.288	-0.12	0.746	0.961
	LTE Band 7	20M	QPSK	1	49	Back	0mm	Reduced	21100	2535	2	13.40	14.50	1.288	0.02	0.943	1.215
	LTE Band 7	20M	QPSK	50	0	Back	0mm	Reduced	21100	2535	1	12.46	13.50	1.271	-0.13	0.846	1.075
	LTE Band 7	20M	QPSK	50	0	Bottom Side	0mm	Reduced	21100	2535	1	12.46	13.50	1.271	0.11	0.637	0.809

<TDD LTE SAR>

Plo No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	0/ ₋	Duty Cycle Scaling Factor	(dR)	Measured 10g SAR (W/kg)	
42	LTE Band 41	20M	QPSK	1	49	Back	0mm	Reduced	40400	2571	1	15.93	16.50	1.140	62.9	1.006	0.15	0.832	0.954
	LTE Band 41	20M	QPSK	1	49	Bottom Side	0mm	Reduced	40400	2571	1	15.93	16.50	1.140	62.9	1.006	-0.19	0.682	0.782
	LTE Band 41	20M	QPSK	50	0	Back	0mm	Reduced	40400	2571	1	14.82	15.50	1.169	62.9	1.006	0.16	0.710	0.835
	LTE Band 41	20M	QPSK	50	0	Bottom Side	0mm	Reduced	40400	2571	1	14.82	15.50	1.169	62.9	1.006	0.06	0.600	0.706

TEL: +86-755-86379589 / FAX: +86-755-86379595 Issued Date: Mar. 15, 2022

FCC ID : IHDT56AC6 Page 48 of 61 Form version. : 200414



<WLAN5G SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Reduced	46	5230	1	16.40	17.00	1.148	93.3	1.072	0.06	0.521	0.641
43	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Reduced	46	5230	1	16.40	17.00	1.148	93.3	1.072	-0.17	1.550	1.908
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Reduced	54	5270	1	15.72	17.00	1.343	93.3	1.072	0.04	0.402	0.579
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Reduced	54	5270	1	15.72	17.00	1.343	93.3	1.072	-0.03	0.631	0.908
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Side	0mm	Reduced	54	5270	1	15.72	17.00	1.343	93.3	1.072	0.05	0.024	0.035
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Reduced	54	5270	1	15.72	17.00	1.343	93.3	1.072	0.07	0.272	0.392
44	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Reduced	54	5270	1	15.72	17.00	1.343	93.3	1.072	-0.18	1.710	2.461
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Reduced	62	5310	1	13.80	15.50	1.479	93.3	1.072	0.08	1.250	1.982
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Reduced	54	5270	2	15.72	17.00	1.343	93.3	1.072	0.14	1.690	2.433
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Reduced	138	5690	1	11.86	13.50	1.459	87.77	1.139	0.04	0.227	0.377
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Reduced	138	5690	1	11.86	13.50	1.459	87.77	1.139	0.02	0.400	0.665
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Reduced	138	5690	1	11.86	13.50	1.459	87.77	1.139	0.11	0.044	0.073
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Reduced	138	5690	1	11.86	13.50	1.459	87.77	1.139	-0.05	0.200	0.332
45	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Reduced	138	5690	1	11.86	13.50	1.459	87.77	1.139	0.09	0.862	1.432
46	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Reduced	155	5775	1	12.50	13.50	1.259	87.77	1.139	0.12	0.889	1.275

Report No. : FA1N1011-03

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 49 of 61 Form version. : 200414



14.5 Repeated SAR Measurement

<1g>

Plot No.		BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Cycle	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)		Reported 1g SAR (W/kg)
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Reduced	6	2437	1	16.50	17.50	1.259	99.27	1.007	-0.14	0.905	1	1.147
2nd	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Reduced	6	2437	1	16.50	17.50	1.259	99.27	1.007	0.08	0.848	1.067	1.075
1st	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Reduced	4182	836.4	1	22.10	23.50	1.380		1.000	-0.01	1.040	1	1.436
2nd	WCDMA V	ı	-	1	ı	RMC 12.2Kbps	Back	5mm	Reduced	4182	836.4	1	22.10	23.50	1.380		1.000	0.09	0.994	1.046	1.372
1st	WCDMA II	·	-	-		RMC 12.2Kbps	Back	5mm	Reduced	9400	1880	1	17.63	19.00	1.371		1.000	-0.14	1.050	1	1.439
2nd	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Reduced	9400	1880	1	17.63	19.00	1.371		1.000	0.03	0.996	1.054	1.365
1st	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Rec off	40400	2571	1	15.93	16.50	1.140	62.9	1.006	-0.03	1.070	1	1.227
2nd	LTE Band 41	20M	QPSK	1	49	-	Back	5mm	Rec off	40400	2571	1	15.93	16.50	1.140	62.9	1.006	0.06	1.010	1.059	1.159
1st	WLAN5GHz		-	-	-	802.11ac-VHT80 MCS0	Back	5mm	Rec off	155	5775	1	12.50	13.50	1.259	87.77	1.139	-0.15	0.806	1	1.156
2nd	WLAN5GHz	•	-		-	802.11ac-VHT80 MCS0	Back	5mm	Rec off	155	5775	1	12.50	13.50	1.259	87.77	1.139	0.03	0.785	1.027	1.126

Report No. : FA1N1011-03

General Note:

- 1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg.
- 2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR <1.45W/kg, only one repeated measurement is required.
- 3. The ratio is the difference in percentage between original and repeated measured SAR.
- 4. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6

15. Simultaneous Transmission Analysis

			Portable	Handset	
No.	Simultaneous Transmission Configurations	Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + Bluetooth	Yes	Yes	Yes	Yes

Report No.: FA1N1011-03

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE
 operation.
- 2. EUT will choose each GSM, WCDMA and LTE according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- 3. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- 4. This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
- 5. WIFI 5.3/5.5GHz has no hotspot function.
- 6. The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- 7. WLAN 2.4GHz and Bluetooth share the same antenna so can't transmit simultaneously.
- 8. According to the EUT characteristic, WLAN 5GHz and Bluetooth can't transmit simultaneously.
- 9. The maximum SAR summation is calculated based on the same configuration and test position.
- 10. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
 - ii) SPLSR = (SAR1 + SAR2)^1.5 / (min. separation distance, mm), and the peak separation distance is determined from the square root of [(x1-x2)2 + (y1-y2)2 + (z1-z2)2], where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If SPLSR ≤ 0.04 for 1g SAR and SPLSR≤ 0.10 for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
 - v) The SPLSR calculated results please refer to section 15.5.

15.1 Head Exposure Conditions

			1	3	6	9	1+3	1+6	1+9	
WWA	N Band	Exposure Position	VVVVAIN	WLAN2.4GHz Ant 3	Ant 3	Ant 3	Summed	Summed	Summed	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
		Right Cheek	0.811	0.516	0.512	0.065	1.33	1.32	0.88	
	GSM850	Right Tilted	0.298	0.586	0.652	0.072	0.88	0.95	0.37	
	GOIVIOOU	Left Cheek	0.568	1.147	0.758	0.194	1.72	1.33	0.76	1
GSM		Left Tilted	0.249	1.073	1.179	0.129	1.32	1.43	0.38	
GOIVI		Right Cheek	0.304	0.516	0.512	0.065	0.82	0.82	0.37	
	GSM1900	Right Tilted	0.159	0.586	0.652	0.072	0.75	0.81	0.23	
	G3W1900	Left Cheek	0.189	1.147	0.758	0.194	1.34	0.95	0.38	
		Left Tilted	0.172	1.073	1.179	0.129	1.25	1.35	0.30	
		Right Cheek	0.562	0.516	0.512	0.065	1.08	1.07	0.63	
	WCDMA V	Right Tilted	0.215	0.586	0.652	0.072	0.80	0.87	0.29	
	VVCDIVIA V	Left Cheek	0.331	1.147	0.758	0.194	1.48	1.09	0.53	
WCDMA		Left Tilted	0.201	1.073	1.179	0.129	1.27	1.38	0.33	
VVCDIVIA		Right Cheek	0.448	0.516	0.512	0.065	0.96	0.96	0.51	
	WCDMA II	Right Tilted	0.278	0.586	0.652	0.072	0.86	0.93	0.35	
	WCDIVIA II	Left Cheek	0.362	1.147	0.758	0.194	1.51	1.12	0.56	
		Left Tilted	0.342	1.073	1.179	0.129	1.42	1.52	0.47	
		Right Cheek	0.607	0.516	0.512	0.065	1.12	1.12	0.67	
	LTE Band 5	Right Tilted	0.224	0.586	0.652	0.072	0.81	0.88	0.30	
	LIE Band 5	Left Cheek	0.364	1.147	0.758	0.194	1.51	1.12	0.56	
		Left Tilted	0.217	1.073	1.179	0.129	1.29	1.40	0.35	
		Right Cheek	0.169	0.516	0.512	0.065	0.69	0.68	0.23	
	LTC D17	Right Tilted	0.007	0.586	0.652	0.072	0.59	0.66	0.08	
LTE	LTE Band 7	Left Cheek	0.071	1.147	0.758	0.194	1.22	0.83	0.27	
		Left Tilted	0.006	1.073	1.179	0.129	1.08	1.19	0.14	
		Right Cheek	0.094	0.516	0.512	0.065	0.61	0.61	0.16	
	LTE Bond 44	Right Tilted	0.005	0.586	0.652	0.072	0.59	0.66	0.08	
	LTE Band 41	Left Cheek	0.048	1.147	0.758	0.194	1.20	0.81	0.24	
		Left Tilted	0.004	1.073	1.179	0.129	1.08	1.18	0.13	

Report No. : FA1N1011-03

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 52 of 61 Form version. : 200414

15.2 Hotspot Exposure Conditions

			1	3	6	9	1+3	1+6	1+9	
WWA	N Band	Exposure Position	WWAN	_	WLAN5GHz_H Ant 3	_	Summed	Summed	Summed	Case No
		Position	1g SAR	1g SAR	1g SAR	1g SAR	1g SAR	1g SAR	1g SAR	
			(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	(W/kg)	
		Front	0.680	0.300	0.259	0.072	0.98	0.94	0.75	- 11 - 10 T
		Back	1.357	1.141	0.823	0.270	2.50	2.18	1.63	2/13/25
	GSM850	Left side	0.365	0.075	0.030	0.015	0.44	0.40	0.38	
		Right side	0.541	0.269	0.233	0.065	0.81	0.77	0.61	
		Top side		0.367	1.153	0.090	0.37	1.15	0.09	
GSM		Bottom side	0.526				0.53	0.53	0.53	
		Front	0.443	0.300	0.259	0.072	0.74	0.70	0.52	
		Back	0.763	1.141	0.823	0.270	1.90	<mark>1.59</mark>	1.03	3
	GSM1900	Left side	0.168	0.075	0.030	0.015	0.24	0.20	0.18	
	•	Right side	0.093	0.269	0.233	0.065	0.36	0.33	0.16	
		Top side		0.367	1.153	0.090	0.37	1.15	0.09	
		Bottom side	1.287				1.29	1.29	1.29	
		Front	0.795	0.300	0.259	0.072	1.10	1.05	0.87	
		Back	1.436	1.141	0.823	0.270	2.58	2.26	1.71	4/14/26
	WCDMA V	Left side	0.621	0.075	0.030	0.015	0.70	0.65	0.64	
	VVODIVIA	Right side	0.755	0.269	0.233	0.065	1.02	0.99	0.82	
		Top side		0.367	1.153	0.090	0.37	1.15	0.09	
WCDMA		Bottom side	0.741				0.74	0.74	0.74	
VVCDIVIA		Front	0.509	0.300	0.259	0.072	0.81	0.77	0.58	
		Back	0.734	1.141	0.823	0.270	1.88	1.56	1.00	5
	WCDMA II	Left side	0.186	0.075	0.030	0.015	0.26	0.22	0.20	
	WCDIVIA II	Right side	0.105	0.269	0.233	0.065	0.37	0.34	0.17	
		Top side		0.367	1.153	0.090	0.37	1.15	0.09	
		Bottom side	1.416				1.42	1.42	1.42	
		Front	0.759	0.300	0.259	0.072	1.06	1.02	0.83	
		Back	1.310	1.141	0.823	0.270	2.45	2.13	1.58	6/15
	. TE D . I E	Left side	0.692	0.075	0.030	0.015	0.77	0.72	0.71	
	LTE Band 5	Right side	0.793	0.269	0.233	0.065	1.06	1.03	0.86	
		Top side		0.367	1.153	0.090	0.37	1.15	0.09	
		Bottom side	0.779				0.78	0.78	0.78	
		Front	0.542	0.300	0.259	0.072	0.84	0.80	0.61	
		Back	1.076	1.141	0.823	0.270	2.22	1.90	1.35	7/16
		Left side	0.040	0.075	0.030	0.015	0.12	0.07	0.06	
LTE	LTE Band 7	Right side	0.022	0.269	0.233	0.065	0.29	0.26	0.09	
		Top side		0.367	1.153	0.090	0.37	1.15	0.09	
		Bottom side	1.355				1.36	1.36	1.36	
		Front	0.545	0.300	0.259	0.072	0.85	0.80	0.62	
		Back	1.100	1.141	0.823	0.270	2.24	1.92	1.37	8/17
	LTE Band	Left side	0.015	0.075	0.030	0.015	0.09	0.05	0.03	
	41	Right side	0.031	0.269	0.233	0.065	0.30	0.26	0.10	
		Top side		0.367	1.153	0.090	0.37	1.15	0.09	
		Bottom side	1.306				1.31	1.31	1.31	

Report No. : FA1N1011-03

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 53 of 61 Form version. : 200414

15.3 Body-Worn Accessory Exposure Conditions

			1	3	6	9	1+3	1+6	1+9	
WWA	N Band	Exposure Position	WWAN	WLAN2.4GHz Ant 3	WLAN5GHz Ant 3	Bluetooth Ant 3	Summed	Summed	Summed	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
		Front	0.680	0.300	0.603	0.072	0.98	1.28	0.75	
	GSM850	Back	1.357	1.141	1.178	0.270	2.50	2.54	1.63	2/18/25
	GSIVIOSO	Front with Headset					0.00	0.00	0.00	
GSM		Back with Headset	1.196				1.20	1.20	1.20	
GSIVI		Front	0.535	0.300	0.603	0.072	0.84	1.14	0.61	
	CCM4000	Back	1.395	1.141	1.178	0.270	2.54	2.57	1.67	9/19/27
	GSM1900	Front with Headset					0.00	0.00	0.00	
		Back with Headset	1.244				1.24	1.24	1.24	
		Front	0.795	0.300	0.603	0.072	1.10	1.40	0.87	
	MCDMAN	Back	1.436	1.141	1.178	0.270	2.58	2.61	1.71	4/20/26
	WCDMA V	Front with Headset					0.00	0.00	0.00	
WCDMA		Back with Headset	1.253				1.25	1.25	1.25	
WCDIVIA		Front	0.794	0.300	0.603	0.072	1.09	1.40	0.87	
	MODMAN	Back	1.439	1.141	1.178	0.270	2.58	2.62	1.71	10/21/28
	WCDMA II	Front with Headset					0.00	0.00	0.00	
		Back with Headset	1.398				1.40	1.40	1.40	
		Front	0.759	0.300	0.603	0.072	1.06	1.36	0.83	
	1.TE D 4.E	Back	1.310	1.141	1.178	0.270	2.45	2.49	1.58	6/22
	LTE Band 5	Front with Headset					0.00	0.00	0.00	
		Back with Headset	1.275				1.28	1.28	1.28	
		Front	0.667	0.300	0.603	0.072	0.97	1.27	0.74	
		Back	1.207	1.141	1.178	0.270	2.35	2.39	1.48	11/23
LTE	LTE Band 7	Front with Headset					0.00	0.00	0.00	
		Back with Headset	1.056				1.06	1.06	1.06	
		Front	0.599	0.300	0.603	0.072	0.90	1.20	0.67	
	LTC Done 44	Back	1.227	1.141	1.178	0.270	2.37	2.41	1.50	12/24
	LTE Band 41	Front with Headset					0.000	0.000	0.000	
		Back with Headset	0.996				0.996	0.996	0.996	

Report No. : FA1N1011-03

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 54 of 61 Form version. : 200414

15.4 Product Specific Exposure Conditions

			1	6	1+6
WWA	.N Band	Exposure Position	WWAN	WLAN5GHz Ant 3	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
		Front	(*****9)	0.579	0.58
		Back	1.982	0.908	2.89
	0014050	Left side		0.073	0.07
	GSM850	Right side		0.392	0.39
		Top side		2.461	2.46
0014		Bottom side			0.00
GSM		Front		0.579	0.58
		Back	1.160	0.908	2.07
	0.0044000	Left side		0.073	0.07
	GSM1900	Right side		0.392	0.39
		Top side		2.461	2.46
		Bottom side	1.493		1.49
		Front		0.579	0.58
		Back	2.262	0.908	3.17
	WCDMA V	Left side		0.073	0.07
	VVCDIVIA V	Right side		0.392	0.39
		Top side		2.461	2.46
WCDMA	DMA WCDMA II	Bottom side			0.00
WCDIVIA		Front		0.579	0.58
		Back		0.908	0.91
	WCDMA II	Left side		0.073	0.07
	WCDIVIA II	Right side		0.392	0.39
		Top side		2.461	2.46
		Bottom side	2.371		2.37
		Front		0.579	0.58
		Back	2.086	0.908	2.99
	LTE Band 5	Left side		0.073	0.07
	LTL Band 5	Right side		0.392	0.39
		Top side		2.461	2.46
		Bottom side			0.00
		Front		0.579	0.58
		Back	1.327	0.908	2.24
LTE	LTE Band 7	Left side		0.073	0.07
- · -		Right side		0.392	0.39
		Top side		2.461	2.46
		Bottom side	0.961		0.96
		Front		0.579	0.58
		Back	0.954	0.908	1.86
	LTE Band 41	Left side		0.073	0.07
		Right side		0.392	0.39
		Top side		2.461	2.46
		Bottom side	0.782		0.78

Report No. : FA1N1011-03

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 55 of 61 Form version. : 200414

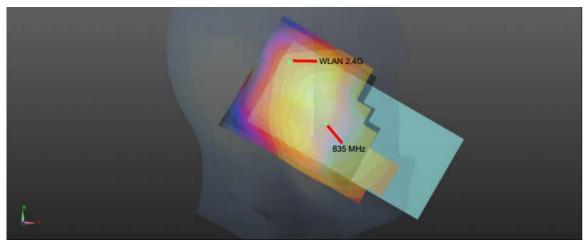
15.5 SPLSR Evaluation and Analysis

General Note:

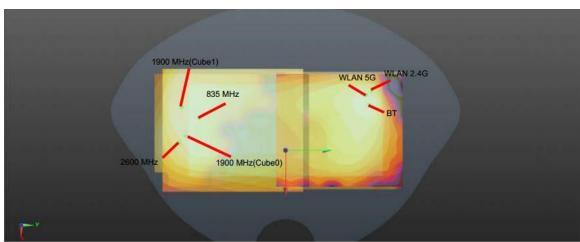
When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of [(x1-x2)2 + (y1-y2)2 + (z1-z2)2], where (x1, y1, z1) and (x2, y2, z2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.

Report No. : FA1N1011-03

SPLSR = (SAR1 + SAR2)1.5 / (min. separation distance, mm). If SPLSR ≤ 0.04 for 1g SAR, simultaneously 2. transmission SAR measurement is not necessary.



WWAN+WLAN2.4GHz _Left Cheek 0mm



WWAN+ WLAN2.4GHz/ WLAN5GHz/Bluetooth _Back 5mm

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6 Page 56 of 61



	Band	Position	SAR (W/kg)	Gap	SAR pe	eak locatio	on (m)	3D distance	Summed	SPLSR	Simultaneous
Case 1	Bana	1 osition	OAR (Wing)	(mm)	Х	Y	Z	(mm)	SAR (W/kg)	Results	SAR
Case 1	GSM850	Left Cheek	0.568	0	0.0601	0.274	-0.176	64.5	1.72	0.03	Not required
	WLAN2.4GHz Ant 3	Lott Officer	1.147	0	0.0249	0.328	-0.174		1.72	0.00	Not required
	Band	Position	SAR (W/kg)	Gap	SAR pe	eak locatio	on (m)	3D distance	Summed	SPLSR	Simultaneous
Case 2	Bana	1 osition	OAR (Wing)	(mm)	Х	Y	Z	(mm)	SAR (W/kg)	Results	SAR
0000 2	GSM850	Back	1.357	5	-0.0355	-0.0815	-0.208	160.8	2.50	0.02	Not required
	WLAN2.4GHz Ant 3	Dack	1.141	5	-0.0506	0.0786	-0.207		2.00	0.02	Not required
	Band	Position	SAR (W/kg)	Gap	SAR pe	eak locatio	on (m)	3D distance	Summed	SPLSR	Simultaneous
			(g/	(mm)	Х	Y	Z	(mm)	SAR (W/kg)	Results	SAR
Case 9	GSM1900	Back	1.395	5	-0.011	-0.0805	-0.207	164.0	2.54	0.02	Not required
	WLAN2.4GHz Ant 3		1.141	5	-0.0506	0.0786	-0.207				
	GSM1900	Back	1.395	5	-0.0365	-0.085	-0.207	164.2	2.54	0.02	Not required
	WLAN2.4GHz Ant 3		1.141	5	-0.0506	0.0786	-0.207	0.0			·
	Band	Position	SAR (W/kg)	Gap		eak locatio		3D distance	Summed	SPLSR	Simultaneous
Case 4			, ο,	(mm)	Х	Y	Z	(mm)	SAR (W/kg)	Results	SAR
	WCDMA V	Back	1.436	5	-0.0355	-0.0815	-0.207	160.8	2.58	0.03	Not required
	WLAN2.4GHz Ant 3		1.141	5	-0.0506	0.0786	-0.207	20			·
	Band	Position	SAR (W/kg)	Gap		eak locatio		3D distance	Summed	SPLSR	Simultaneous
				(mm)	Х	Y	Z	(mm)	SAR (W/kg)	Results	SAR
Case 10	WCDMA II	Back	1.439	5	-0.0125	-0.0855	-0.207	168.5	2.58	0.02	Not required
	WLAN2.4GHz Ant 3		1.141	5	-0.0506	0.0786	-0.207				,
	WCDMA II	Back	1.439	5	-0.0365	-0.0885	-0.207	167.7	2.58	0.02	Not required
	WLAN2.4GHz Ant 3		1.141	5	-0.0506	0.0786	-0.207	0.00			·
	Band	Position	SAR (W/kg)	Gap		eak locatio		3D distance	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 6				(mm)	Х	Y	Z	(mm)	SAR (W/kg)	Results	SAR
	LTE Band 5	Back	1.31	5	-0.0315	-0.0855	-0.207	165.2	2.45	0.02	Not required
	WLAN2.4GHz Ant 3		1.141	5	-0.0506	0.0786	-0.207	20			·
	Band	Position	SAR (W/kg)	Gap		eak locatio	, ,	3D distance	Summed	SPLSR Results	Simultaneous SAR
Case 11				(mm)	Х	Y	Z	(mm)	SAR (W/kg)	Results	SAR
	LTE Band 7	Back	1.207	5	-0.0062	-0.0904	-0.207	174.7	2.35	0.02	Not required
	WLAN2.4GHz Ant 3		1.141	5	-0.0506	0.0786	-0.207	20			·
	Band	Position	SAR (W/kg)	Gap		eak locatio	• •	3D distance	Summed	SPLSR	Simultaneous
Case 12				(mm)	Х	Y	Z	(mm)	SAR (W/kg)	Results	SAR
	LTE Band 41	Back	1.227	5	-0.0086	-0.0928	-0.207	176.5	2.37	0.02	Not required
	WLAN2.4GHz Ant 3		1.141	5	-0.0506	0.0786	-0.207	3D			·
	Band	Position	SAR (W/kg)	Gap		eak locatio		3D distance	Summed	SPLSR Results	Simultaneous
				(mm)	Х	Y	Z	(mm)	SAR (W/kg)	Results	SAR
Case 3	GSM1900_H	Back	0.763	5	-0.011	-0.0785	-0.207	162.0	1.90	0.02	Not required
	WLAN2.4GHz Ant 3		1.141	5	-0.0506	0.0786	-0.207				
	GSM1900_H	Back	0.763	5	-0.0365	-0.0811	-0.207	160.3	1.90	0.02	Not required
	WLAN2.4GHz Ant 3		1.141	5	-0.0506	0.0786	-0.207	3D			
	Band	Position	SAR (W/kg)	Gap		eak locatio		distance	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	MCDMA		0.704	(mm)	X	Υ 0.000	Z 0.007	(mm)	OAIT (W/Kg)	results	- OAK
Case 5	WCDMA II_H	Back	0.734	5	-0.0125	-0.082	-0.207	165.1	1.88	0.02	Not required
	WLAN2.4GHz Ant 3		1.141	5	-0.0506	0.0786	-0.207				
	WCDMA II_H	Back	0.734	5	-0.0365	-0.085	-0.208	164.2	1.88	0.02	Not required
	WLAN2.4GHz Ant 3		1.141	5 Can	-0.0506	0.0786	-0.207	3D			
	Band	Position	SAR (W/kg)	Gap		eak locatio	, ,	distance	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 7	LTE Board 7 LL		1.070	(mm)	X X	Y 0.0004	Z 0.207	(mm)	orut (II/Kg)	rtoouns	- OAIX
	LTE Band 7_H	Back	1.076	5	-0.0062	-0.0904	-0.207	174.7	2.22	0.02	Not required
	WLAN2.4GHz Ant 3		1.141	5 Can	-0.0506	0.0786	-0.207	3D			
	Band	Position	SAR (W/kg)	Gap		eak locatio	, ,	distance	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 8	LTE Pord 44 LL		1.1	(mm)	X X	Y 0.0028	Z 0.207	(mm)	orut (tt/kg)	results	
	LTE Band 41_H	Back	1.1	5	-0.0086	-0.0928	-0.207	176.5	2.24	0.02	Not required
	WLAN2.4GHz Ant 3		1.141	5	-0.0506	0.0786	-0.207				

Report No. : FA1N1011-03

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 57 of 61 Form version. : 200414



	Band	Position	SAR (W/kg)	Gap	SAR p	eak locatio	n (m)	3D distance	Summed SAR	SPLSR	Simultaneous
Case 18	Бапи	Position	SAR (W/kg)	(mm)	Х	Y	Z	(mm)	(W/kg)	Results	SAR
Case 10	GSM850	Back	1.357	5	-0.0355	-0.0815	-0.208	148.4	2.54	0.03	Not required
	WLAN5GHz_ Ant 3	Dack	1.178	5	-0.052	0.066	-0.206	140.4	2.54	0.03	Not required
	Band	Position	SAR (W/kg)	Gap	SAR p	eak locatio	n (m)	3D distance	Summed SAR	SPLSR	Simultaneous
	Dana	1 Osition	OAR (Wing)	(mm)	Х	Y	Z	(mm)	(W/kg)	Results	SAR
Case 19	GSM1900	Back	1.395	5	-0.011	-0.0805	-0.207	152.1	2.57	0.03	Not required
Ousc 15	WLAN5GHz_ Ant 3	Dack	1.178	5	-0.052	0.066	-0.206	102.1	2.01	0.00	140t required
	GSM1900	Back	1.395	5	-0.0365	-0.085	-0.207	151.8	2.57	0.03	Not required
	WLAN5GHz_ Ant 3	Dack	1.178	5	-0.052	0.066	-0.206		2.01	0.00	rvot required
	Band	Position	SAR (W/kg)	Gap	SAR p	eak locatio	n (m)	3D distance	Summed SAR	SPLSR	Simultaneous
Case 20			5/ (11/1.g)	(mm)	X	Y	Z	(mm)	(W/kg)	Results	SAR
Just 25	WCDMA V	Back	1.436	5	-0.0355	-0.0815	-0.207	148.4	2.61	0.03	Not required
	WLAN5GHz_ Ant 3	Buon	1.178	5	-0.052	0.066	-0.206			0.00	710110441104
	Band	Position	SAR (W/kg)	Gap	SAR p	eak locatio	n (m)	3D distance	Summed SAR	SPLSR	Simultaneous
			3 (g)	(mm)	X	Υ	Z	(mm)	(W/kg)	Results	SAR
Case 21	WCDMA II	Back	1.439	5	-0.0125	-0.0855	-0.207	156.6	2.62	0.03	Not required
	WLAN5GHz_ Ant 3		1.178	5	-0.052	0.066	-0.206				
	WCDMA II	Back	1.439	5	-0.0365	-0.0885	-0.207	155.3	2.62	0.03	Not required
	WLAN5GHz_ Ant 3		1.178	5	-0.052	0.066	-0.206				
	Band	Position	SAR (W/kg)	Gap	SAR p	eak locatio	n (m)	3D distance	Summed SAR	SPLSR	Simultaneous
Case 22			3,	(mm)	Х	Y	Z	(mm)	(W/kg)	Results	SAR
	LTE Band 5	Back	1.31	5	-0.0315	-0.0855	-0.207	152.9	2.49	0.03	Not required
	WLAN5GHz_ Ant 3		1.178	5	-0.052	0.066	-0.206				
	Band	Position	SAR (W/kg)	Gap		eak locatio		3D distance	Summed SAR	SPLSR	Simultaneous
Case 23			, 3,	(mm)	X	Y	Z	(mm)	(W/kg)	Results	SAR
	LTE Band 7	Back	1.207	5	-0.0062	-0.0904	-0.207	163.0	2.39	0.02	Not required
	WLAN5GHz_ Ant 3		1.178	5	-0.052	0.066	-0.206	45			·
	Band	Position	SAR (W/kg)	Gap		eak locatio		3D distance	Summed SAR	SPLSR Results	Simultaneous SAR
Case 24				(mm)	Х	Υ	Z	(mm)	(W/kg)	Results	SAR
	LTE Band 41	Back	1.227	5	-0.0086	-0.0928	-0.207	164.6	2.41	0.02	Not required
	WLAN5GHz_ Ant 3		1.178	5	-0.052	0.066	-0.206	20	Common and		·
	Band	Position	SAR (W/kg)	Gap		eak locatio		3D distance	Summed SAR	SPLSR Results	Simultaneous SAR
Case 13				(mm)	Х	Υ	Z	(mm)	(W/kg)	Results	SAR
	GSM850	Back	1.357	5	-0.0355	-0.0815	-0.208	148.0	2.18	0.02	Not required
	WLAN5GHz_H Ant 3		0.823	5	-0.048	0.066	-0.206	3D	Summed		
	Band	Position	SAR (W/kg)	Gap		eak locatio		distance	SAR	SPLSR Results	Simultaneous SAR
Case 14	WORMAN			(mm)	X	Υ	Z	(mm)	(W/kg)	rtosano	Orac
	WCDMA V	Back	1.436	5	-0.0355	-0.0815	-0.207	148.0	2.26	0.02	Not required
	WLAN5GHz_H Ant 3		0.823	5	-0.048	0.066	-0.206	3D	Summed		
	Band	Position	SAR (W/kg)	Gap		eak locatio Y		distance	SAR	SPLSR Results	Simultaneous SAR
Case 15	LTE Dond F		1.21	(mm)	-0.0315		Z 0.207	(mm)	(W/kg)	riodanio	O/ iii t
	LTE Band 5	Back	1.31	5		-0.0855	-0.207	152.4	2.13	0.02	Not required
	WLAN5GHz_H Ant 3		0.823	5 Gap	-0.048	0.066 eak locatio	-0.206	3D	Summed	0.01	0
	Band	Position	SAR (W/kg)		X X	eak locatio	<u> </u>	distance	SAR	SPLSR Results	Simultaneous SAR
Case 16	LTE Band 7 L		1.076	(mm)	-0.0062		Z -0.207	(mm)	(W/kg)		
	LTE Band 7_H WLAN5GHz H Ant 3	Back	1.076	5 5	-0.0062	-0.0904	-0.207	161.9	1.90	0.02	Not required
	VVLANSGIZ_FI ANT 3		0.823	Gap		0.066 eak locatio	-0.206	3D	Summed	0.01	0
	Band	Position	SAR (W/kg)	(mm)	X X	Y	II (III) Z	distance	SAR	SPLSR Results	Simultaneous SAR
Case 17	LTE Band 41_H		1.1	5	-0.0086	-0.0928	-0.207	(mm)	(W/kg)		
	WLAN5GHz_H Ant 3	Back	0.823	5	-0.008	0.0926	-0.207	163.6	1.92	0.02	Not required
	TEANOONE_ITANES		0.020	3	0.040	0.000	0.200				

Report No. : FA1N1011-03

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Form version. : 200414



	D1	Berthein	0.40 (14/1)	Gap	SAR p	eak location ((mm)	3D distance	Summed	SPLSR	Simultaneous
Case 25	Band	Position	SAR (W/kg)	(mm)	Х	Y	Z	(mm)	SAR (W/kg)	Results	SAR
Case 25	GSM850	Back	1.357	5	-0.0355	-0.0815	-0.208	152.7	1.63	0.01	Not required
	Bluetooth	Dack	0.27	5	-0.0386	0.0712	-0.207	152.7	1.03	0.01	Not required
	Band	Position	SAR (W/kg)	Gap	SAR p	eak location ((mm)	3D distance		SPLSR	Simultaneous
	Danu	Position	SAIN (W/Ng)	(mm)	X	Y	Z	(mm)	SAR (W/kg)	Results	SAR
Case 27	GSM1900	Back	1.395	5	-0.011	-0.0805	-0.207	154.2	1.67	0.01	Not required
Case 21	Bluetooth	Dack	0.27	5	-0.0386	0.0712	-0.207	134.2	1.07	0.01	Not required
	GSM1900	Back	1.395	5	-0.0365	-0.085	-0.207	156.2	1.67	0.01	Not required
	Bluetooth	Dack	0.27	5	-0.0386	0.0712	-0.207	150.2	1.07	0.01	Not required
	Rand	Band Position	SAR (W/kg)	Gap	SAR p	eak location ((mm)	3D distance	Summed	SPLSR	Simultaneous
Case 26	Danu	Position	SAIN (W/Ng)	(mm)	X	Y	Z	(mm)	SAR (W/kg)	Results	SAR
Case 20	WCDMA V	Back	1.436	5	-0.0355	-0.0815	-0.207	152.7	1.71	0.01	Not required
	Bluetooth	Dack	0.27	5	-0.0386	0.0712	-0.207	152.7	1.71	0.01	Not required
	Band	Position	SAR (W/kg)	Gap	SAR p	eak location ((mm)	3D distance		SPLSR	Simultaneous
	Danu	FUSILIUII	SAR (W/kg)	(mm)	Х	Y	Z	(mm)	SAR (W/kg)	Results	SAR
Case 28	WCDMA II	Back	1.439	5	-0.0125	-0.0855	-0.207	158.9	1.71	0.01	Not required
Case 20	Bluetooth	Dack	0.27	5	-0.0386	0.0712	-0.207	130.9	1.71	0.01	Not required
	WCDMA II	Back	1.439	5	-0.0365	-0.0885	-0.207	159.7	1.71	0.01	Not required
	Bluetooth	Dack	0.27	5	-0.0386	0.0712	-0.207	108.7	1.71	0.01	rvot required

Report No. : FA1N1011-03

Test Engineer: Kevin Xu, David Dai, Bin He

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 FCC ID: IHDT56AC6 Page 59 of 61 Form version. : 200414

16. Uncertainty Assessment

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

Report No. : FA1N1011-03

TEL: +86-755-86379589 / FAX: +86-755-86379595

Issued Date: Mar. 15, 2022 Form version. : 200414 FCC ID: IHDT56AC6 Page 60 of 61

17. References

[1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"

Report No.: FA1N1011-03

- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] 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", Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
- [7] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [8] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [9] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [10] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
- [11] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [12] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.

----THE END-----

Appendix A. Plots of System Performance Check

Report No. : FA1N1011-03

The plots are shown as follows.

Sporton International Inc. (Shenzhen)

System Check_Head_835MHz

DUT: D835V2-SN:4d258

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1 Medium: HSL_835_220220 Medium parameters used: f = 835 MHz; $\sigma = 0.913$ S/m; $\epsilon_r = 40.859$; $\rho = 1000$ kg/m³

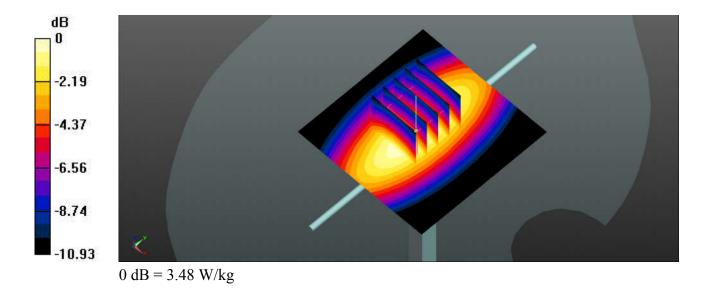
Ambient Temperature: 23.4 °C; Liquid Temperature: 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 3.50 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 62.88 V/m; Power Drift = 0.06 dB Peak SAR (extrapolated) = 4.01 W/kg SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.67 W/kg Maximum value of SAR (measured) = 3.48 W/kg



System Check Head 835MHz

DUT: D835V2-SN:4d258

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL 835 220221 Medium parameters used: f = 835 MHz; $\sigma = 0.917$ S/m; $\varepsilon_r = 40.748$; $\rho =$ 1000 kg/m^3

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.6 °C

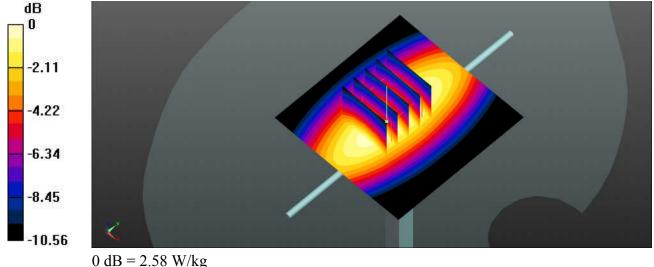
DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 2.58 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 54.09 V/m; Power Drift = 0.04 dB Peak SAR (extrapolated) = 3.20 W/kgSAR(1 g) = 2.22 W/kg; SAR(10 g) = 1.46 W/kg

Maximum value of SAR (measured) = 2.58 W/kg



System Check Head 1900MHz

DUT: D1900V2-SN:5d170

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1 Medium: HSL_1900_220218 Medium parameters used: f = 1900 MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 40.994$; $\rho = 1000$ kg/m³

Date: 2022/2/18

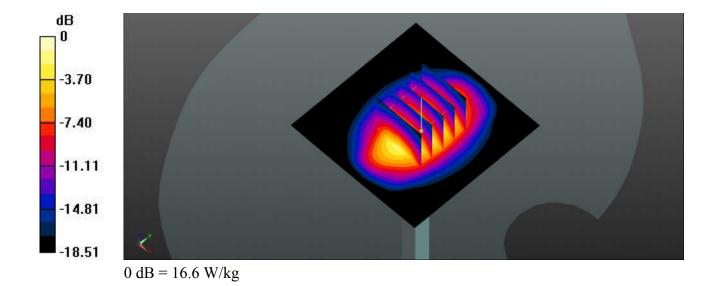
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.92, 7.92, 7.92); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 16.1 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 105.8 V/m; Power Drift = -0.02 dB Peak SAR (extrapolated) = 19.9 W/kg SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.39 W/kg Maximum value of SAR (measured) = 16.6 W/kg



System Check Head 1900MHz

DUT: D1900V2-SN:5d170

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1 Medium: HSL 1900 220220 Medium parameters used: f = 1900 MHz; $\sigma = 1.413$ S/m; $\varepsilon_r = 41.128$; ρ $= 1000 \text{ kg/m}^3$

Date: 2022/2/20

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.8 °C

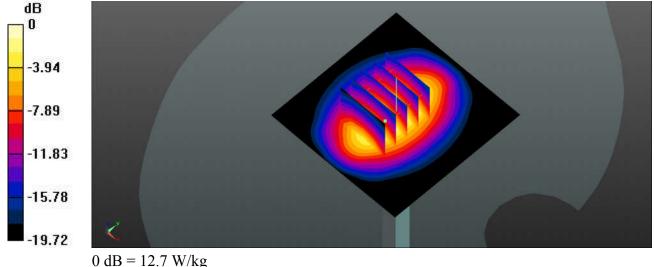
DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.92, 7.92, 7.92); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 13.3 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 97.27 V/m; Power Drift = 0.05 dB Peak SAR (extrapolated) = 18.4 W/kgSAR(1 g) = 10 W/kg; SAR(10 g) = 5.15 W/kg

Maximum value of SAR (measured) = 12.7 W/kg



System Check Head 2450MHz

DUT: D2450V2-SN:924

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1 Medium: HSL 2450 220221 Medium parameters used: f = 2450 MHz; $\sigma = 1.809$ S/m; $\varepsilon_r = 37.604$; ρ $= 1000 \text{ kg/m}^3$

Date: 2022/2/21

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

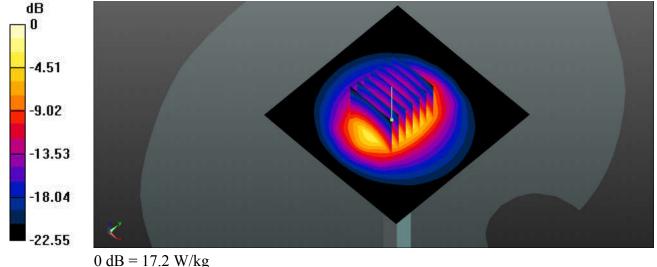
DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.6, 7.6, 7.6); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 17.6 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 101.7 V/m; Power Drift = -0.17 dB Peak SAR (extrapolated) = 26.4 W/kgSAR(1 g) = 13 W/kg; SAR(10 g) = 6.01 W/kg

Maximum value of SAR (measured) = 17.2 W/kg



System Check_Head_2450MHz

DUT: D2450V2-SN:924

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1 Medium: HSL_2450_220222 Medium parameters used: f = 2450 MHz; $\sigma = 1.824$ S/m; $\epsilon_r = 38.032$; $\rho = 1000$ kg/m³

Date: 2022/2/22

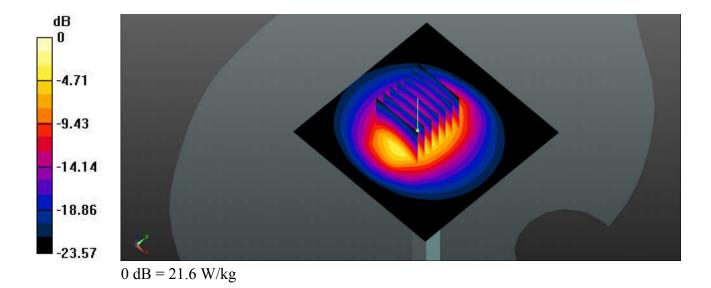
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.6, 7.6, 7.6); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 21.3 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 88.31 V/m; Power Drift = 0.18 dB Peak SAR (extrapolated) = 30.2 W/kg SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.14 W/kg Maximum value of SAR (measured) = 21.6 W/kg



System Check Head 2600MHz

DUT: D2600V2-SN:1061

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1 Medium: HSL 2600 220219 Medium parameters used: f = 2600 MHz; $\sigma = 1.995$ S/m; $\varepsilon_r = 40.438$; ρ $= 1000 \text{ kg/m}^3$

Date: 2022/2/19

Ambient Temperature: 23.5°C; Liquid Temperature: 22.7°C

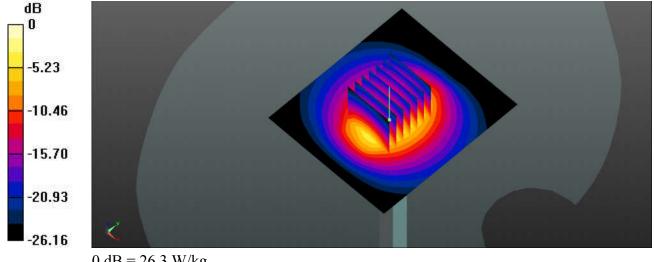
DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.35, 7.35, 7.35); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (71x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 27.5 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 117.7 V/m; Power Drift = -0.18 dB Peak SAR (extrapolated) = 33.9 W/kgSAR(1 g) = 15 W/kg; SAR(10 g) = 6.49 W/kg

Maximum value of SAR (measured) = 26.3 W/kg



0 dB = 26.3 W/kg

System Check_Head_2600MHz

DUT: D2600V2-SN:1061

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1 Medium: HSL_2600_220221 Medium parameters used: f = 2600 MHz; $\sigma = 1.974$ S/m; $\epsilon_r = 38.204$; $\rho = 1000$ kg/m³

Date: 2022/2/21

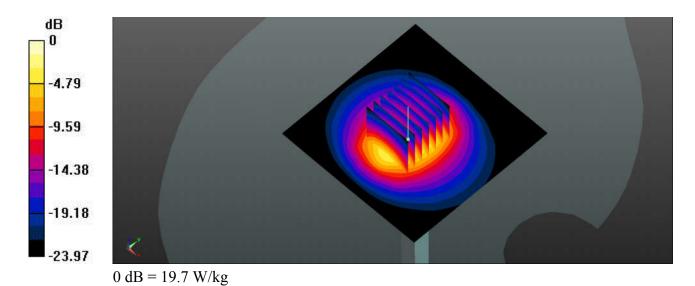
Ambient Temperature: 23.3 °C; Liquid Temperature: 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.35, 7.35, 7.35); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 20.3 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 101.6 V/m; Power Drift = -0.17 dB Peak SAR (extrapolated) = 31.1 W/kg SAR(1 g) = 14.7 W/kg; SAR(10 g) = 6.52 W/kg Maximum value of SAR (measured) = 19.7 W/kg



System Check_Head_5250MHz

DUT: D5GHzV2-SN:1113

Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL 5250 220220 Medium parameters used: f = 5250 MHz; $\sigma = 4.714$ S/m; $\varepsilon_r = 36.412$;

Date: 2022/2/20

 $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 SN7577; ConvF(5.4, 5.4, 5.4); Calibrated: 2021/11/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2021/7/15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

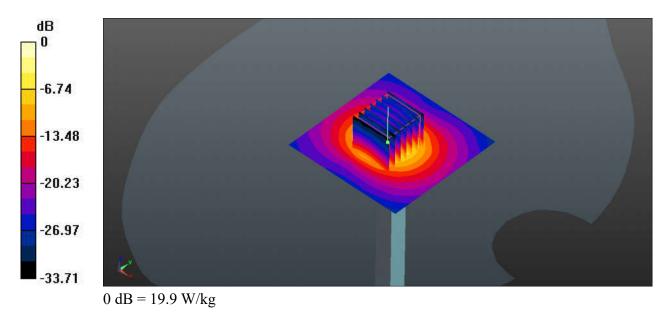
Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm Maximum value of SAR (interpolated) = 19.8 W/kg

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 72.27 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 32.1 W/kg

SAR(1 g) = 8.26 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 19.9 W/kg



System Check_Head_5600MHz

DUT: D5GHzV2-SN:1113

Communication System: UID 0, CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: HSL 5600 220222 Medium parameters used: f = 5600 MHz; $\sigma = 5.141$ S/m; $\varepsilon_r = 35.813$;

Date: 2022/2/22

 $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 SN7577; ConvF(4.82, 4.82, 4.82); Calibrated: 2021/11/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2021/7/15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

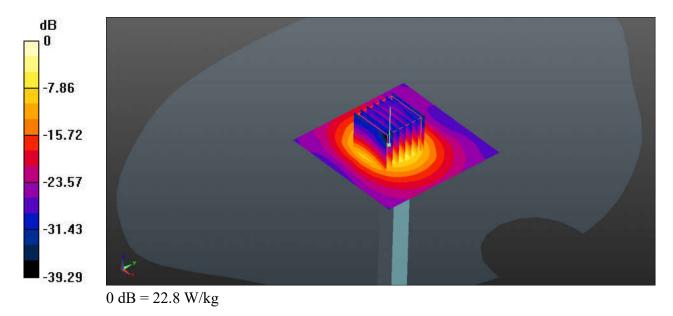
Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm Maximum value of SAR (interpolated) = 23.3 W/kg

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 68.58 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 38.2 W/kg

SAR(1 g) = 8.98 W/kg; SAR(10 g) = 2.61 W/kg

Maximum value of SAR (measured) = 22.8 W/kg



System Check_Head_5750MHz

DUT: D5GHzV2-SN:1113

Communication System: UID 0, CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: HSL 5750 220224 Medium parameters used: f = 5750 MHz; $\sigma = 5.315$ S/m; $\varepsilon_r = 35.552$;

Date: 2022/2/24

 $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 SN7577; ConvF(5.03, 5.03, 5.03); Calibrated: 2021/11/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2021/7/15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

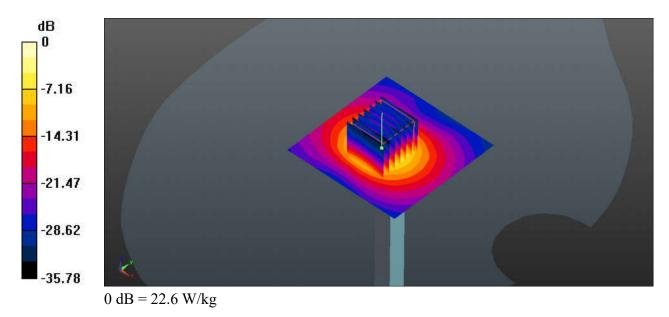
Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm Maximum value of SAR (interpolated) = 22.4 W/kg

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 65.19 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 38.3 W/kg

SAR(1 g) = 8.54 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 22.6 W/kg



Appendix B. Plots of High SAR Measurement

Report No. : FA1N1011-03

The plots are shown as follows.

Sporton International Inc. (Shenzhen)

01 GSM850 GPRS 2 Tx slots Right Cheek Ch251

Communication System: UID 0, GPRS/EDGE10 (0); Frequency: 848.8 MHz;Duty Cycle: 1:4.15 Medium: HSL_835_220220 Medium parameters used: f = 849 MHz; $\sigma = 0.925$ S/m; $\epsilon_r = 40.705$; $\rho = 1000$ kg/m³

Date: 2022/2/20

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.5 °C

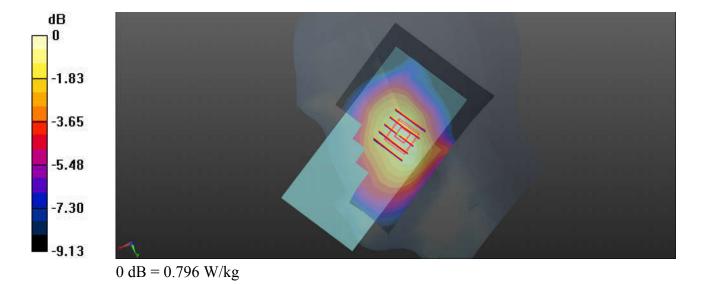
DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch251/Area Scan (71x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 0.814 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 10.20 V/m; Power Drift = -0.08 dB Peak SAR (extrapolated) = 0.908 W/kg SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.464 W/kg

Maximum value of SAR (measured) = 0.796 W/kg



02_GSM1900_GPRS 2 Tx slots_Right Cheek_Ch810

Communication System: UID 0, GPRS/EDGE10 (0); Frequency: 1909.8 MHz;Duty Cycle: 1:4.15 Medium: HSL_1900_220218 Medium parameters used: f = 1910 MHz; $\sigma = 1.429$ S/m; $\epsilon_r = 40.972$; $\rho = 1000$ kg/m³

Date: 2022/2/18

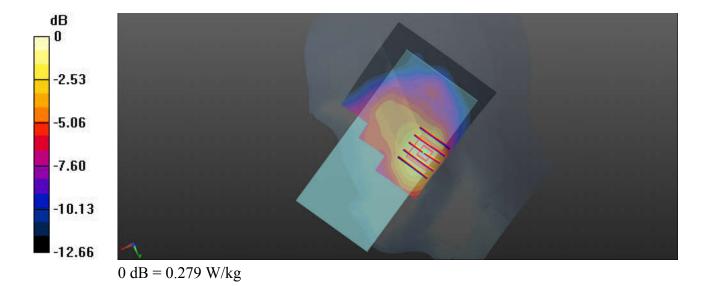
Ambient Temperature: 23.6 °C; Liquid Temperature: 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.92, 7.92, 7.92); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch810/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 0.305 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 5.576 V/m; Power Drift = -0.14 dB Peak SAR (extrapolated) = 0.322 W/kg SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.142 W/kg Maximum value of SAR (measured) = 0.279 W/kg



03_WCDMA V_RMC 12.2Kbps_Right Cheek_Ch4182

Communication System: UID 0, UMTS (0); Frequency: 836.4 MHz;Duty Cycle: 1:1 Medium: HSL_835_220220 Medium parameters used: f = 836.5 MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 40.842$; $\rho = 1000$ kg/m³

Date: 2022/2/20

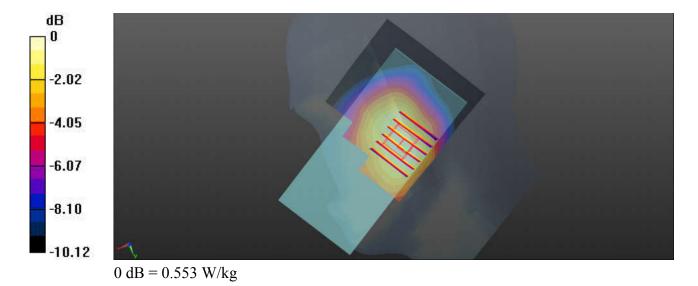
Ambient Temperature: 23.4 °C; Liquid Temperature: 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch4182/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 0.543 W/kg

Ch4182/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 7.617 V/m; Power Drift = -0.18 dB Peak SAR (extrapolated) = 0.643 W/kg SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.333 W/kg Maximum value of SAR (measured) = 0.553 W/kg



04_WCDMA II_RMC 12.2Kbps_Right Cheek_Ch9400

Communication System: UID 0, UMTS (0); Frequency: 1880 MHz; Duty Cycle: 1:1 Medium: HSL_1900_220218 Medium parameters used: f = 1880 MHz; $\sigma = 1.392$ S/m; $\epsilon_r = 41.101$; $\rho = 1000$ kg/m³

Date: 2022/2/18

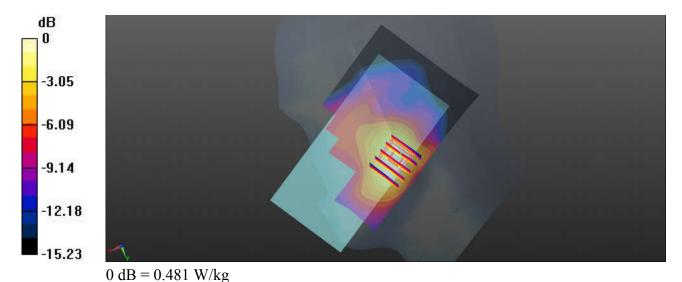
Ambient Temperature: 23.6 °C; Liquid Temperature: 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.92, 7.92, 7.92); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch9400/Area Scan (71x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 0.494 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 5.342 V/m; Power Drift = -0.13 dB Peak SAR (extrapolated) = 0.560 W/kg SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.220 W/kg Maximum value of SAR (measured) = 0.481 W/kg



05 LTE Band 5 10M QPSK 1RB 25Offset Right Cheek Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz; Duty Cycle: 1:1 Medium: HSL_835_220220 Medium parameters used: f = 836.5 MHz; σ = 0.914 S/m; ϵ_r = 40.842; ρ = 1000 kg/m³

Date: 2022/2/20

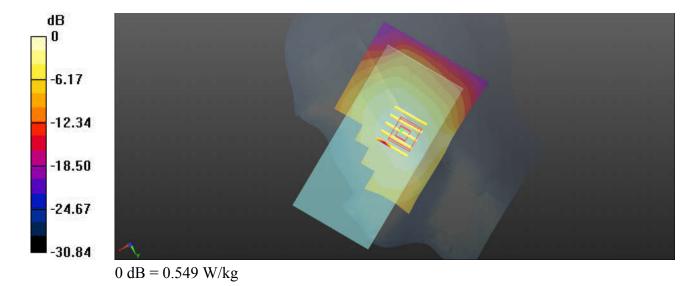
Ambient Temperature: 23.4°C; Liquid Temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch20525/Area Scan (71x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 0.539 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 7.372 V/m; Power Drift = -0.04 dB Peak SAR (extrapolated) = 0.904 W/kg SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.326 W/kg Maximum value of SAR (measured) = 0.549 W/kg



06 LTE Band 7 20M QPSK 1RB 49Offset Right Cheek Ch21100

Communication System: UID 0, LTE (0); Frequency: 2535 MHz; Duty Cycle: 1:1 Medium: HSL 2600 220219 Medium parameters used: f = 2535 MHz; $\sigma = 1.918$ S/m; $\varepsilon_r = 40.667$; ρ $= 1000 \text{ kg/m}^3$

Date: 2022/2/19

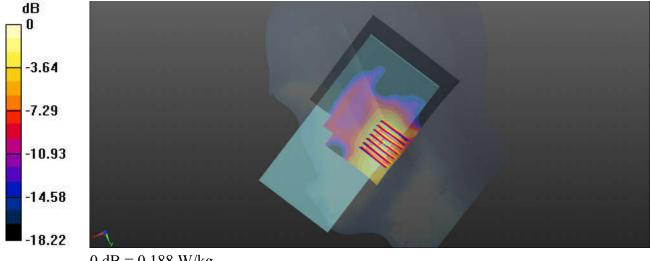
Ambient Temperature: 23.5 °C; Liquid Temperature: 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.35, 7.35, 7.35); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch21100/Area Scan (81x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 0.185 W/kg

Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 0 V/m; Power Drift = 0.18 dBPeak SAR (extrapolated) = 0.225 W/kgSAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.066 W/kgMaximum value of SAR (measured) = 0.188 W/kg



0 dB = 0.188 W/kg

07 LTE Band 41 20M QPSK 1RB 49Offset Right Cheek Ch40400

Communication System: UID 0, LTE (0); Frequency: 2571 MHz; Duty Cycle: 1:1.59 Medium: HSL 2600 220219 Medium parameters used: f = 2571 MHz; $\sigma = 1.961$ S/m; $\varepsilon_r = 40.538$; ρ $= 1000 \text{ kg/m}^3$

Date: 2022/2/19

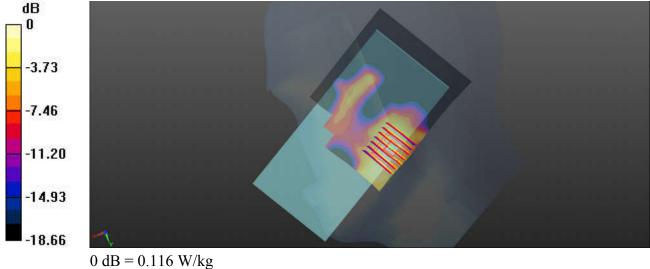
Ambient Temperature: 23.5 °C; Liquid Temperature: 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.35, 7.35, 7.35); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch40400/Area Scan (81x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 0.109 W/kg

Ch40400/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 0 V/m; Power Drift = -0.12 dBPeak SAR (extrapolated) = 0.138 W/kgSAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.040 W/kgMaximum value of SAR (measured) = 0.116 W/kg



08 Bluetooth DH5 1Mbps Left Cheek Ch78

Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.3 Medium: HSL_2450_220221 Medium parameters used: f = 2480 MHz; $\sigma = 1.837$ S/m; $\epsilon_r = 37.382$; $\rho = 1000$ kg/m³

Date: 2022/2/21

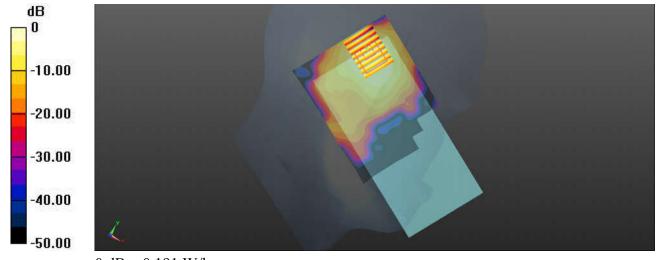
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.6, 7.6, 7.6); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch78/Area Scan (81x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 0.217 W/kg

Ch78/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 5.974 V/m; Power Drift = -0.14 dB Peak SAR (extrapolated) = 0.241 W/kg SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.059 W/kg Maximum value of SAR (measured) = 0.191 W/kg



0 dB = 0.191 W/kg

09_WLAN2.4GHz 802.11b 1Mbps_Left Cheek_Ch6

Communication System: UID 0, WIFI (0); Frequency: 2437 MHz; Duty Cycle: 1:1.007 Medium: HSL_2450_220221 Medium parameters used: f = 2437 MHz; $\sigma = 1.795$ S/m; $\epsilon_r = 37.678$; $\rho = 1000$ kg/m³

Date: 2022/2/21

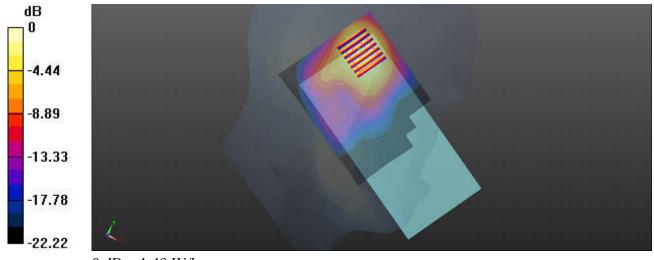
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.6, 7.6, 7.6); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch6/Area Scan (81x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 1.39 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 14.64 V/m; Power Drift = -0.14 dB Peak SAR (extrapolated) = 1.92 W/kg SAR(1 g) = 0.905 W/kg; SAR(10 g) = 0.468 W/kg Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg

10_WLAN5GHz_802.11ac-VHT80 MCS0_Left Tilted_Ch58

Communication System: UID 0, WIFI (0); Frequency: 5290 MHz; Duty Cycle: 1:1.139 Medium: HSL_5250_220220 Medium parameters used: f = 5290 MHz; σ = 4.757 S/m; ϵ_r = 36.37; ρ = 1000 kg/m³

Date: 2022/2/20

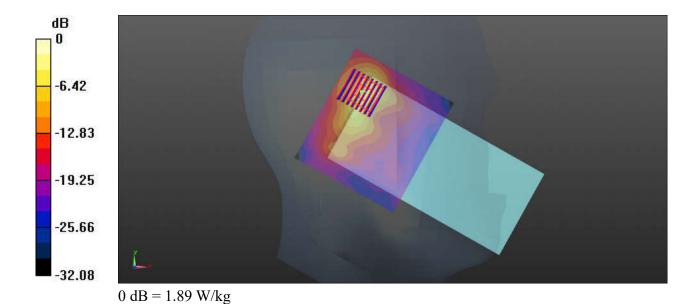
Ambient Temperature: 23.3 °C; Liquid Temperature: 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 SN7577; ConvF(5.4, 5.4, 5.4); Calibrated: 2021/11/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2021/7/15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch58/Area Scan (101x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm Maximum value of SAR (interpolated) = 1.66 W/kg

Ch58/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 11.39 V/m; Power Drift = -0.08 dB Peak SAR (extrapolated) = 3.08 W/kg SAR(1 g) = 0.733 W/kg; SAR(10 g) = 0.219 W/kg Maximum value of SAR (measured) = 1.89 W/kg



11_WLAN5GHz_802.11ac-VHT80 MCS0_Left Tilted_Ch138

Communication System: UID 0, WIFI (0); Frequency: 5690 MHz; Duty Cycle: 1:1.139

Medium: HSL 5600 220222 Medium parameters used: f = 5690 MHz; $\sigma = 5.241$ S/m; $\varepsilon_r = 35.653$;

Date: 2022/2/22

 $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 SN7577; ConvF(4.82, 4.82, 4.82); Calibrated: 2021/11/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2021/7/15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

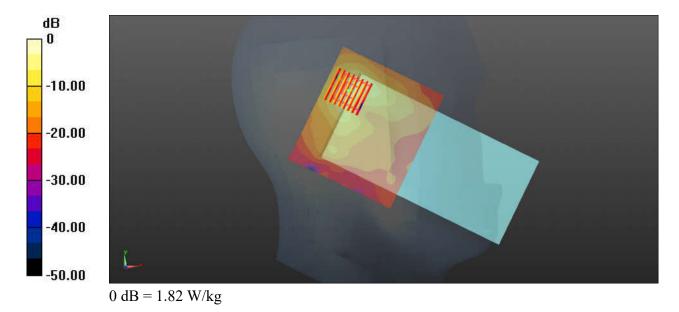
Ch138/Area Scan (101x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm Maximum value of SAR (interpolated) = 1.82 W/kg

Ch138/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 8.242 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.87 W/kg

SAR(1 g) = 0.660 W/kg; SAR(10 g) = 0.186 W/kg

Maximum value of SAR (measured) = 1.82 W/kg



12_WLAN5GHz_802.11ac-VHT80 MCS0_Left Tilted_Ch155

Communication System: UID 0, WIFI (0); Frequency: 5775 MHz; Duty Cycle: 1:1.139 Medium: HSL_5750_220224 Medium parameters used: f = 5775 MHz; $\sigma = 5.339$ S/m; $\epsilon_r = 35.52$; $\rho = 1000$ kg/m³

Date: 2022/2/24

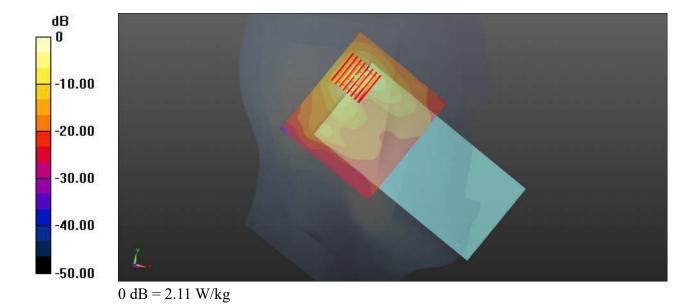
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 SN7577; ConvF(5.03, 5.03, 5.03); Calibrated: 2021/11/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2021/7/15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch155/Area Scan (101x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm Maximum value of SAR (interpolated) = 2.13 W/kg

Ch155/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 9.324 V/m; Power Drift = -0.14 dB Peak SAR (extrapolated) = 3.82 W/kg SAR(1 g) = 0.791 W/kg; SAR(10 g) = 0.224 W/kg Maximum value of SAR (measured) = 2.11 W/kg



13 GSM850 GPRS 2 Tx slots Back 5mm Ch251

Communication System: UID 0, GPRS/EDGE10 (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.15 Medium: HSL 835 220220 Medium parameters used: f = 849 MHz; $\sigma = 0.925$ S/m; $\varepsilon_r = 40.705$; $\rho =$ 1000 kg/m^3

Date: 2022/2/20

Ambient Temperature: 23.4°C; Liquid Temperature: 22.5°C

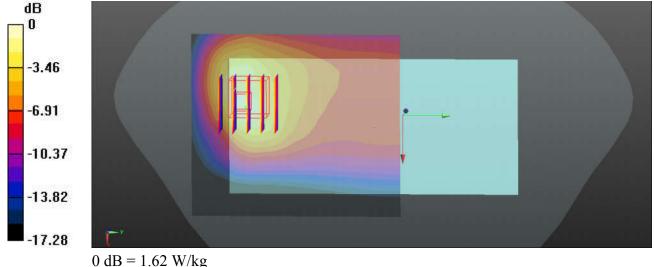
DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch251/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 1.68 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 18.64 V/m; Power Drift = -0.01 dB Peak SAR (extrapolated) = 2.28 W/kgSAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.572 W/kg

Maximum value of SAR (measured) = 1.62 W/kg



14 GSM1900 GPRS 2 Tx slots Bottom Side 5mm Ch512

Communication System: UID 0, GPRS/EDGE10 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.15 Medium: HSL_1900_220218 Medium parameters used: f = 1850.2 MHz; $\sigma = 1.363$ S/m; $\varepsilon_r = 41.24$; $\rho = 1000$ kg/m³

Date: 2022/2/18

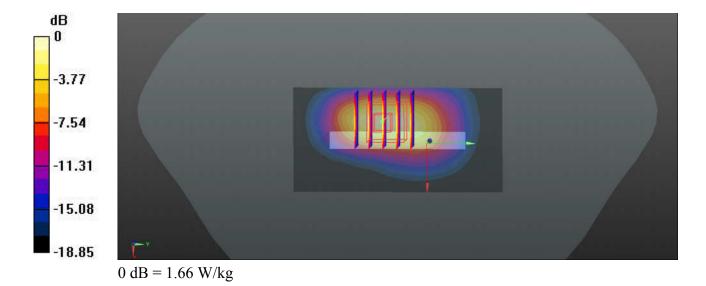
Ambient Temperature: 23.6°C; Liquid Temperature: 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.92, 7.92, 7.92); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch512/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 1.58 W/kg

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 22.13 V/m; Power Drift = -0.17 dB Peak SAR (extrapolated) = 2.03 W/kg SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.506 W/kg Maximum value of SAR (measured) = 1.66 W/kg



15 WCDMA V RMC 12.2Kbps Back 5mm Ch4182

Communication System: UID 0, UMTS (0); Frequency: 836.4 MHz; Duty Cycle: 1:1 Medium: HSL 835 220220 Medium parameters used: f = 836.5 MHz; $\sigma = 0.914$ S/m; $\varepsilon_r = 40.842$; ρ $= 1000 \text{ kg/m}^3$

Date: 2022/2/20

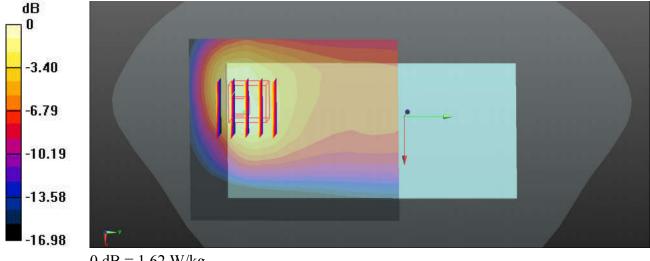
Ambient Temperature: 23.4°C; Liquid Temperature: 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch4182/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 1.71 W/kg

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 20.11 V/m; Power Drift = -0.01 dB Peak SAR (extrapolated) = 2.31 W/kgSAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.602 W/kgMaximum value of SAR (measured) = 1.62 W/kg



0 dB = 1.62 W/kg

16_WCDMA II RMC 12.2Kbps Bottim Side 5mm Ch9262

Communication System: UID 0, UMTS (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: HSL_1900_220218 Medium parameters used: f = 1852.4 MHz; $\sigma = 1.365$ S/m; $\epsilon_r = 41.225$;

Date: 2022/2/18

 $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.92, 7.92, 7.92); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch9262/Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 1.65 W/kg

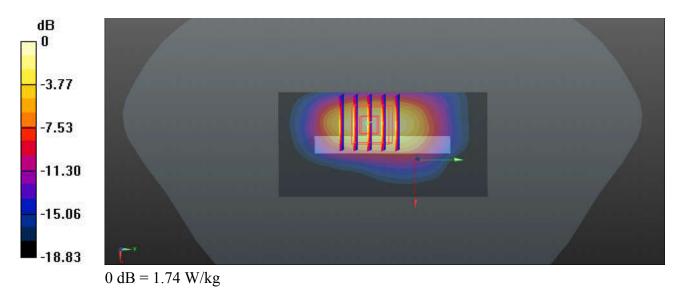
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 19.46 V/m; Power Drift = 0.19 dB

Reference value – 19.40 V/III, Power DITIL – 0.19 (

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 0.998 W/kg; SAR(10 g) = 0.527 W/kg

Maximum value of SAR (measured) = 1.74 W/kg



17 LTE Band 5 10M QPSK 1RB 25Offset Back 5mm Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz; Duty Cycle: 1:1 Medium: HSL_835_220220 Medium parameters used: f = 836.5 MHz; σ = 0.914 S/m; ϵ_r = 40.842; ρ = 1000 kg/m³

Date: 2022/2/20

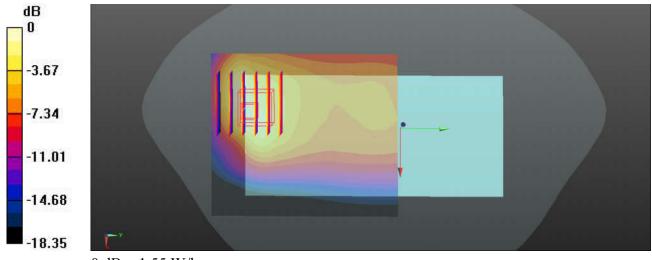
Ambient Temperature: 23.4 °C; Liquid Temperature: 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(9.54, 9.54, 9.54); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch20525/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 1.49 W/kg

Ch20525/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 20.75 V/m; Power Drift = -0.09 dB Peak SAR (extrapolated) = 2.15 W/kg SAR(1 g) = 0.973 W/kg; SAR(10 g) = 0.554 W/kg Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg

18_LTE Band 7_20M_QPSK_1RB_49Offset_Bottom Side_5mm_Ch21100

Communication System: UID 0, LTE (0); Frequency: 2535 MHz; Duty Cycle: 1:1 Medium: HSL_2600_220219 Medium parameters used: f = 2535 MHz; σ = 1.918 S/m; ϵ_r = 40.667; ρ = 1000 kg/m³

Date: 2022/2/19

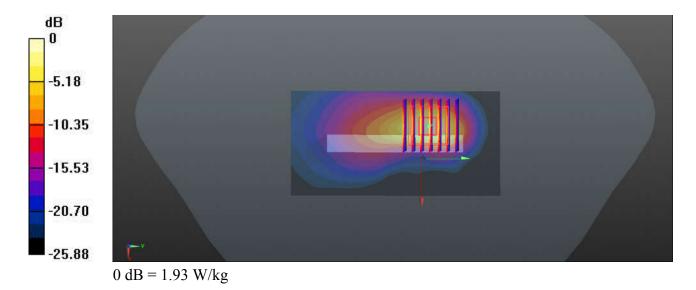
Ambient Temperature: 23.5 °C; Liquid Temperature: 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.35, 7.35, 7.35); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch21100/Area Scan (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 2.11 W/kg

Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 10.78 V/m; Power Drift = 0.14 dB Peak SAR (extrapolated) = 2.60 W/kg SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.385 W/kg Maximum value of SAR (measured) = 1.93 W/kg



19_LTE Band 41_20M_QPSK_1RB_49Offset_Bottom Side_5mm_Ch40400

Communication System: UID 0, LTE (0); Frequency: 2571 MHz; Duty Cycle: 1:1.59 Medium: HSL_2600_220219 Medium parameters used: f = 2571 MHz; $\sigma = 1.961$ S/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Date: 2022/2/19

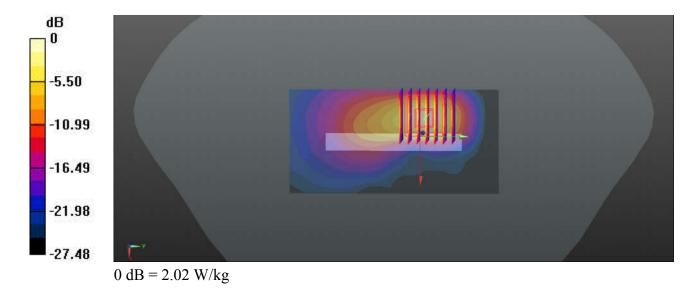
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.35, 7.35, 7.35); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch40400/Area Scan (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 1.94 W/kg

Ch40400/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 8.486 V/m; Power Drift = 0.09 dB Peak SAR (extrapolated) = 2.64 W/kg SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.405 W/kg Maximum value of SAR (measured) = 2.02 W/kg



20_Bluetooth_DH5 1Mbps_Back_5mm_Ch78

Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.3 Medium: HSL_2450_220221 Medium parameters used: f = 2480 MHz; $\sigma = 1.837$ S/m; $\epsilon_r = 37.382$; $\rho = 1000$ kg/m³

Date: 2022/2/21

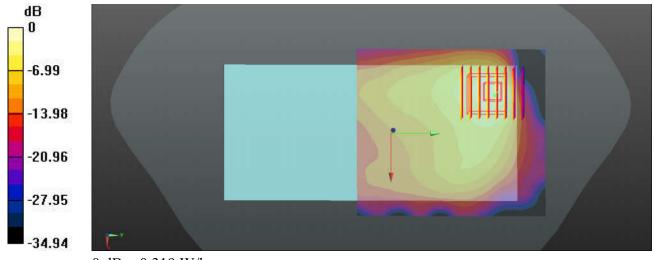
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.6, 7.6, 7.6); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch78/Area Scan (81x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 0.364 W/kg

Ch78/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 2.759 V/m; Power Drift = 0.04 dB Peak SAR (extrapolated) = 0.435 W/kg SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.072 W/kg Maximum value of SAR (measured) = 0.319 W/kg



0 dB = 0.319 W/kg

21_WLAN2.4GHz_802.11b 1Mbps_Back_5mm_Ch11

Communication System: UID 0, WIFI (0); Frequency: 2462 MHz; Duty Cycle: 1:1.007 Medium: HSL_2450_220221 Medium parameters used: f = 2462 MHz; $\sigma = 1.819$ S/m; $\epsilon_r = 37.507$; $\rho = 1000$ kg/m³

Date: 2022/2/21

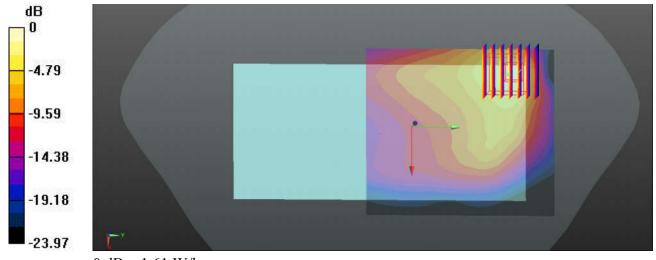
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3975; ConvF(7.6, 7.6, 7.6); Calibrated: 2021/6/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2021/8/25
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP-1671
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch11/Area Scan (81x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 1.69 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 6.074 V/m; Power Drift = 0.03 dB Peak SAR (extrapolated) = 2.19 W/kg SAR(1 g) = 0.821 W/kg; SAR(10 g) = 0.376 W/kg Maximum value of SAR (measured) = 1.61 W/kg



0 dB = 1.61 W/kg

Communication System: UID 0, WIFI (0); Frequency: 5210 MHz; Duty Cycle: 1:1.139

Medium: HSL_5250_220220 Medium parameters used: f = 5210 MHz; $\sigma = 4.671$ S/m; $\varepsilon_r = 36.484$;

Date: 2022/2/20

 $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 SN7577; ConvF(5.4, 5.4, 5.4); Calibrated: 2021/11/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2021/7/15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

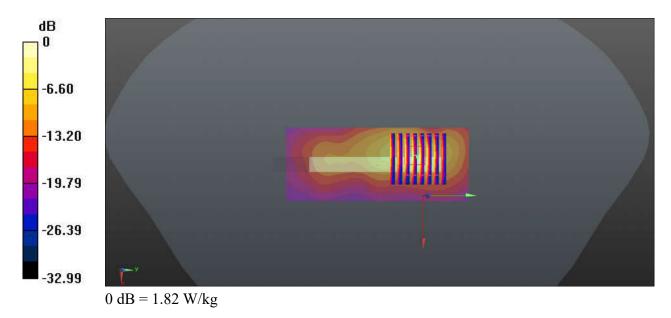
Ch42/Area Scan (41x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm Maximum value of SAR (interpolated) = 1.37 W/kg

Ch42/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 9.406 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.05 W/kg

SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.178 W/kg

Maximum value of SAR (measured) = 1.82 W/kg



23_WLAN5GHz_802.11ac-VHT80 MCS0_Top Side_5mm_Ch155

Communication System: UID 0, WIFI (0); Frequency: 5775 MHz;Duty Cycle: 1:1.139

Medium: HSL_5750_220224 Medium parameters used: f = 5775 MHz; σ = 5.339 S/m; ϵ_r = 35.52; ρ

Date: 2022/2/24

 $= 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 SN7577; ConvF(5.03, 5.03, 5.03); Calibrated: 2021/11/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2021/7/15
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch155/Area Scan (41x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm Maximum value of SAR (interpolated) = 1.82 W/kg

Ch155/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.06 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 7.82 W/kg

SAR(1 g) = 0.797 W/kg; SAR(10 g) = 0.206 W/kg

Maximum value of SAR (measured) = 2.25 W/kg

