

FCC 2.1093 SAR Test Report

for

LG Electronics Inc.

222, LG-ro, Jinwi-myeon Pyeongtaek-Si, Gyeonggi-Do, 17709 Republic of Korea

Product Name: Notebook Computer

Model Name : (1)14Z95P (2)14ZB95P

(3)14ZD95P (4)14ZG95P

(5)14ZC95P

Brand LG

FCC ID : BEJNT-14Z95P

Prepared by: : AUDIX Technology Corporation,

EMC Department





The test report is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.



TABLE OF CONTENTS

D٥	escrip	otion	Page
TE	ST RI	EPORT	3
1.		VISION RECORD OF TEST REPORT	
2.		MMARY OF TEST RESULTS	
3.		NERAL INFORMATION	
	3.1.	Description of Application	
	3.2.	Description of EUT	
	3.3.	Reference Test Guidance	
	3.4.	Antenna Information	8
	3.5.	EUT Specifications Assessed in Current Report	9
	3.6.	Description of Key Components	
	3.7.	Test Environment	12
	3.8.	Description of Test Facility	12
	3.9.	Measurement Uncertainty	13
4.	ME	ASUREMENT EQUIPMENTLIST	15
5.	SAF	R MEASUREMENT SYSTEM	16
	5.1.	Definition of Specific Absorption Rate (SAR)	16
	5.2.	SPEAG DASY System	
	5.3.	SAR System Verification	
	5.4.	SAR Measurement Procedure	30
6.	SAF	R MEASUREMENT EVALUATION	33
	6.1.	EUT Configuration and Setting	33
	6.2.	EUT Testing Position	
	6.3.	Tissue Calibration Result	
	6.4.	SAR Exposure Limits	
	6.5.	Conducted Power Measurement	
	6.6.	SAR Test Result	45

APPENDIX A TEST DATA AND PLOTS APPENDIX B TESTPHOTOGRAPHS





TEST REPORT

Applicant : LG Electronics Inc.

Manufacturer : LG Electronics Inc.

Factory #1 : LG Electronics Nanjing New Technology Co., Ltd.

Factory #2 : LG Electronics Do Brasil Ltda. (048130)

EUT Description

(1) Product : Notebook Computer

(2) Model : (1)14Z95P (2)14ZB95P (3)14ZD95P (4)14ZG95P (5)14ZC95P

(3) Brand : LG

(4) Power Supply: DC 20V, 3.25A

Applicable Standards:

IEEE 1528-2013

Audix Technology Corp. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report.

Audix Technology Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens and samples.

Date of Report: 2021, 10, 05

Reviewed by: (Sabrina Wang/Administrator)

Approved by: Johnny Hsueh/Section Manager)





1. REVISION RECORD OF TEST REPORT

Edition No	Issued Date	Revision Summary	Report Number
0	2021. 10. 05	Original Report	EM-SR210057



2. SUMMARY OF TEST RESULTS

Test SKU: SKU #1 (with INPAQ Antenna)

Test SKU. SKU #1 (with INI AQ Antenna)				
Highest Simultaneous Transmission SAR	Reported Body SAR _{1g}			
WLAN 2.4G ANT Main+ WLAN 2.4G ANT AUX	1.308 (W/kg)			
WLAN 2.4G ANT Main+ BT ANT AUX	0.947 (W/kg)			
WLAN 5G ANT AUX + BT ANT AUX	0.872 (W/kg)			
WLAN 5G ANT Main+ WLAN 5G ANT AUX	0.892 (W/kg)			
WLAN 5G ANT Main+ WLAN 5G ANT AUX + BT ANT AUX	0.908 (W/kg)			
Note: 1. The SAR limit (SAR1g 1.6 W/kg) for general population / uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093). 2. It is calculated from scale SAR. 3. It is larger than the limit 1.6(W/kg), SAR test exclusion is determined by the SAR to peak location separation ratio.				

Test SKU: SKU #2 (with LUXSHARE-ICT Antenna)

,	
Highest Simultaneous Transmission SAR	Reported Body SAR _{1g}
WLAN 2.4G ANT Main+ WLAN 2.4G ANT AUX	1.318 (W/kg)
WLAN 2.4G ANT AUX + BT ANT AUX	0.958 (W/kg)
WLAN 5G ANT AUX + BT ANT AUX	1.256 (W/kg)
WLAN 5G ANT Main+ WLAN 5G ANT AUX	1.925 (W/kg)
WLAN 5G ANT Main+ WLAN 5G ANT AUX + BT ANT AUX	1.943 (W/kg)

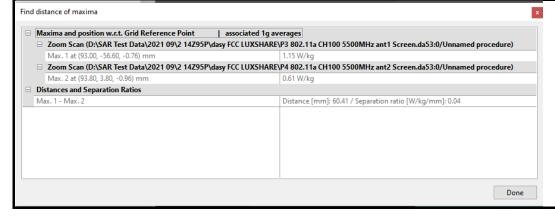
Note: 1. The SAR limit (SAR1g 1.6 W/kg) for general population / uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093).

- 2. It is calculated from scale SAR.
- 3. It is larger than the limit 1.6(W/kg), SAR test exclusion is determined by the SAR to peak location separation ratio.

Simultaneous Transmission SAR	Frequency	Measured Body SAR _{1g} (SAR1+SAR2) ^{Note2}	Ri (mm) Note2	SPLSR ^{Note2}
WLAN 5G ANT Main+ WLAN 5G ANT AUX	5500MHz	1.76 (W/kg) ^{Note 2}	60.41	0.04

Note: 1. The SAR limit (SAR1g 1.6 W/kg) for general population / uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093).

2. SPLSR= $(SAR1+SAR2)^{1.5}/Ri$ must ≤ 0.04



3. GENERAL INFORMATION

3.1. Description of Application

Applicant	LG Electronics Inc. 222, LG-ro, Jinwi-myeon Pyeongtaek-Si, Gyeonggi-Do, 17709 Republic of Korea
Manufacturer	LG Electronics Inc. 222, LG-ro, Jinwi-myeon Pyeongtaek-Si, Gyeonggi-Do, 17709 Republic of Korea
Factory #1	LG Electronics Nanjing New Technology Co., Ltd. No.346, Yaoxin Road, Economic & Technical Development Zone, Nanjing, China.
Factory #2	LG Electronics Do Brasil Ltda. (048130) Avenida Dom Pedro 1, W7777 12091-000 D.I.Piracangagua II, Taubate-SP BRAZIL
Product	Notebook Computer
Model	(1)14Z95P (2)14ZB95P (3)14ZD95P (4)14ZG95P (5)14ZC95P The difference between all models is different in the sales customers.
Brand	LG



3.2. Description of EUT

Test Model	14Z95P				
Serial Number	N/A				
Power Rating	DC 20V, 3.25A				
RF Features	WLAN:802.11 a/b/g/n/ac/ax Bluetooth: BT and BLE (BT 5.0)				
	2.4 GHz				
	802.11b	1T1R			
	802.11g	1T1R			
	802.11n-HT20	2T2R			
	802.11n-HT40	2T2R			
	802.11ax-HE20	2T2R			
	802.11ax-HE40	2T2R			
Transmit Type	BT/BLE	1T1R			
31	MAM D. I				
	U-NII Bands	1/F1D			
	802.11a	1T1R			
	802.11n-HT20/802.11ac-VHT20/802.11ax-HE20	2T2R			
	802.11n-HT40/802.11ac-VHT40/802.11ax-HE40	2T2R			
	802.11ac-VHT80/802.11ax-HE80	2T2R			
	802.11ac-VHT160/802.11ax-HE160 2T2R The MIMO is uncorrelated and supported SDM mode only.				
Sample Status	Mass production				
	Sample No. Test Item	Firmware			
Test Sample	01 SAR	N/A			
	02 SAR	N/A			
Sample Status	Mass production				
Date of Receipt	2021. 09. 26				
Date of Test	2021. 09. 26 ~ 29				
	One Micro SD Card Slot				
	One Earphone Port				
Interface Ports of EUT	Two USB 3.0 Ports				
	Two USB Type C Ports				
	• One HDMI Port				
	AC Adapter				
Accessories Supplied	LAN Gender				
	LAN Gender				

3.3. Reference Test Guidance

47 CFR FCC Part 2(§2.1093)
KDB 447498 D01 General RF Exposure Guidance v06
KDB 865664 D01 SAR Measurement 100MHz to 6GHz v01r04

KDB 616217 D04 SAR for laptop and tablets v01r02

3.4. Antenna Information

NT.	Antenna Part Number	Manufaatuus	Antenna Type	Frequency	Max Ga	in(dBi)
No.	Antenna Part Number	Manufacture		(MHz)	Main	AUX
				2400	3.9	3.0
				2425	5.3	3.4
				2450	5.1	2.0
				2475	6.0	1.8
1.	WA-P-LELE-04-001	INPAQ	Mono nolo	2500	6.3	1.8
1.	WA-P-LELE-04-001	INFAQ	Mono-pole	5150	2.9	2.9
				5250	3.8	3.8
				5350	0.5	0.5
				5725	2.4	2.4
				5825	2.7	2.7
		LUXSHARE-ICT	Mono-pole	2400	2.0	1.9
				2450	1.9	1.8
				2500	1.3	1.7
				5150	0.1	0.9
				5250	0.2	2.8
2	L1LRF005-CS-H			5350	1.7	2.7
2	LILKF003-C3-H	LUASHARE-ICI		5470	2.1	2.3
				5600	2.8	1.6
				5725	3.0	0.2
				5785	2.3	0.4
				5800	2.3	1.2
				5850	1.5	2.3



3.5. EUT Specifications Assessed in Current Report

	2.4GHz				
Mode	Mode Fundamental Range (MHz)				
802.11b		13			
802.11g	2412-2472	13			
802.11n-HT20		13			
802.11n-HT40	2422-2462	9			
Bluetooth	2402-2480	79			
BLE	2402-2480	40			

5GHz				
Mode U-NII Band		Fundamental Range (MHz)	Channel Number	
	I	5180-5240	4	
902.11-	2A	5260-5320	4	
802.11a	2C	5500-5720	12	
	III	5745-5825	5	
	I	5180-5240	4	
802.11n-HT20/ 802.11ac-VHT20	2A	5260-5320	4	
802.11ac-VH120 802.11ax-HE20	2C	5500-5720	12	
	III	5745-5825	5	
	I	5190-5230	2	
802.11n-HT40/ 802.11ac-VHT40	2A	5270-5310	2	
802.11ac-VH140 802.11ax-HE40	2C	5510-5710	6	
	III	5755-5795	2	
	I	5210	1	
802.11ac-VHT80	2A	5290	1	
802.11ax-HE80	2C	5530-5690	3	
	III	5775	1	
	I	5250	1	
802.11ac-VHT160 /802.11ax-HE160	2A	5250	1	
7002.11ax-11E100	2C	5570	1	
Remark: U-NII Band 2	A and 2C (DFS Function	on, Slave/no In service monitor, no Ad	-Hoc mode)	





Mode	Modulation	Data Rate (Mbps)
802.11b	DSSS (DBPSK/DQPSK/CCK)	Up to 11
802.11g	OFDM (BPSK/QPSK/16QAM/64QAM)	Up to 54
802.11a	OFDM (BPSK/QPSK/16QAM/64QAM)	Up to 54
802.11n-HT20	OFDM (DDCV/ODCV/140AM/640AM)	Up to 144.4
802.11n-HT40	OFDM (BPSK/QPSK/16QAM/64QAM)	Up to 300
802.11ac-VHT20		Up to 173.3
802.11ac-VHT40	OFDM (DDSV/ODSV/16OAM/64OAM/056OAM)	Up to 400
802.11ac-VHT80	OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)	Up to 866.7
802.11ac-VHT160		Up to 1733.3
802.11ax-HE20		Up to 287
802.11ax-HE40	OFDMA (BPSK/ QPSK/ 16QAM/ 64QAM/	Up to 574
802.11ax-HE80	256QAM/1024QAM)	Up to 1201
802.11ax-HE160		Up to 2402
Bluetooth	FHSS (GFSK, π/4 DQPSK, 8-DPSK)	1/2/3
BLE	GFSK (1M, 2M, PHY Coded S8, PHY Coded S2)	2

3.6. Description of Key Components

3.6.1. For the All Component Lists

Item	Supplier	Model / Type	Character		
		Win10 Home			
System	Microsoft	Win10 Pro			
•		Win11 Home			
		Blanc MAIN B/D PCB	Manufacturer:		
Main Board	LG	1. 700D MAIN D/D DCD	#1 Hannstar Board Tech(Jiang Yin) Corp.,Ltd.		
		1xZ90P MAIN B/D PCB	#2 Elec & Eltek Company (MCO) Limited.		
			Manufacturer:		
WLAN SUB Board	LG	14Z90P SUB B/D	#1 Hannstar Board Tech(Jiang Yin) Corp.,Ltd.		
WLAN SOD Doald	LO	14Z901 SUB B/D	#2 Elec & Eltek Company (MCO) Limited.		
			#3 JiangSu HuaShen Electronic co.,ltd (HXF)		
CPU	Intel	i7-1195G7	2.9GHz		
(Socket: FCBGA1449)	Intel	i5-1155G7	2.5GHz		
14" LCD Panel	LG Display	LP140WU1(SP)(A1)	Resolution: 1920*1200, 60Hz		
14 LCD raner	LG Display		WUXGA IPS (Non Touch)		
		HFM256GD3JX013N	256GB (M.2)		
Storage (SSD)	SK hynix	HFM512GD3JX013N	512GB (M.2)		
		HFM001TD3JX013N	1TB (M.2)		
	Samsung		16GB LPDDR4x(On Board)		
Memory (RAM)	Samsung		8GB LPDDR4x(On Board)		
Wichiory (KAIVI)	SK Hynix		16GB LPDDR4x(On Board)		
	SK Hynix		8GB LPDDR4x(On Board)		
Battery Pack LG LBS1224E 72Wh, DC7.7V,		72Wh, DC7.7V, 72Wh Typ 9450mAh			
			WLAN and BT, 2x2 CNVi 1216		
WLAN Combo Card	Intel	AX201D2W	FCC ID: PD9AX201NG		
WEAR Combo Card	inter	AA201D2W	IC: 1000M-AX201NG		
			NCC ID: CCAH18LP3410T5		
	LG (INPAQ)	WA-P-LELE-04-001	PCB, Mono-pole Type		
WLAN Combo Antenna	, ,		Main: Black, Aux: Gray		
	LG (LUXSHARE-ICT)	L1LRF005-CS-H	PCB, Mono-pole Typ		
	,	1/30 1 2 0 D 0	Main: Black, Aux: Gray		
Keyboard	TIC	KT0120B9			
-	LITE ON	SN8002			
Web Camera	Chicony	CKFKH33-0			
	Luxvisions	0BF108N3	(NH:) 10/100 M 1: Fd		
	SUZHOU MEC	80-5946-111	(White) 10/100 Megabit Ethernet		
	ELECTRONICS	80-5946-101	(Black) 10/100 Megabit Ethernet		
	Type C to LAN: Shielded		(William) 40/100 M		
LAN Gender	ARIN TECH CO. LTD	GD-08MF-36-WH-LP10	(White) 10/100 Megabit Ethernet		
(Type C to LAN)		GD-08MF-36-BK-LP11	(Black) 10/100 Megabit Ethernet		
,	Type C to LAN: Shielded		T7711 \ 10/100/100035 \ 11 \ 71		
	SUZHOU MEC	80-5946-200	(White) 10/100/1000 Megabit Ethernet		
	ELECTRONICS	80-5946-210	(Black) 10/100/1000 Megabit Ethernet		
	Type C to LAN: Shielded	1, Undetached, 0.13m	T		
	LG (HONOR)	ADT-65DSU-D03-2	I/P: AC 100-240V, 1.6A, 50-60Hz O/P: DC 20V, 3.25A		
AC Adapter (65W)	DC Power Cord: Non-Shielded, Undetached, 1.5m				
	AC Power Cord: Non-Shielded, Detached, 1.0m (2C) (For Other Countries)				
	AC Power Cord: Non-Shielded, Detached, 1.55m (2C) (For US, Canada, Mexico)				

Remark: For more detailed features description, please refer to the manufacturer's specifications or the user manual.

3.6.2. The EUT collocates with following worst components, which are used to establish a basic configuration of system during test:

SKU			#1	#2
Main Board		LG, Blanc MAIN B/D PCB	V	V
SUB Board		LG, 14Z90P SUB B/D	V	V
CPU		Intel, i7-1195G7	V	
CPU		Intel, i5-1155G7		V
14" LCD Panel		LG Display, LP140WU1(SP)(A1)	V	V
Storage (SSD)		SK hynix, 1TB (M.2)	V	V
Memory (RAM)		Samsung, 16GB	V	V
Battery Pack		LG, LBS1224E	V	V
WLAN Combo Card		Intel, AX201D2W	V	V
WI AN Combo Anto		LG (INPAQ), WA-P-LELE-04-001	V	
WLAN Combo Antenna		LG (LUXSHARE-ICT), L1LRF005-CS-H		V
Keyboard		TIC, KT0120B9	V	V
Web Camera		Chicony, CKFKH33-0	V	V
Tyma C *2	LAN Gender	MEC, 80-5946-111	V	V
Type C *2	AC Adapter	LG (HONOR), ADT-65DSU-D03-2	V	V

3.7. Test Environment

Ambient conditions in the laboratory:

Item	Require	Actual
Temperature (°C)	18-25	22 ±2
Humidity (%RH)	30-70	48 ± 2

3.8. Description of Test Facility

Name of Test Firm	Audix Technology Corporation / EMC Department No. 491, Zhongfu Rd., Linkou Dist., New Taipei City 244, Taiwan Tel: +886-2-26092133 Fax: +886-2-26099303 Website: www.audixtech.com Contact e-mail: attemc_report@audixtech.com
Accreditations	The laboratory is accredited by following organizations under ISO/IEC 17025:2017 (1) NVLAP(USA) NVLAP Lab Code 200077-0 (2) TAF(Taiwan) No. 1724
Test Facilities	FCC OET Designation Number under APEC MRA by NCC is: TW1724 (1) SAR Room



3.9. Measurement Uncertainty

DASY5 Uncertainty								
According	to IEEE 15	528-2013 a	and IEC 62	2209-1/201	6 (0.3 - 6	GHz range	e)	
Error Description	Uncert. value	Prob. Dist.	Div.	(ci) 1g	(ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	(Vi) Veff
Measurement System								
Probe Calibration	±6.0%	N	1	1	1	±6.0%	±6.0%	∞
Axial Isotropy	±4.7%	R	$\sqrt{3}$	0.7	0.7	±1.9%	±1.9%	∞
Hemispherical Isotropy	±9.6%	R	$\sqrt{3}$	0.7	0.7	±3.9%	±3.9%	∞
Boundary Effects	±1.0%	R	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.7%	±2.7%	∞
System Detection Limits	±1.0%	R	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
Readout Electronics	±0.3%	N	1	1	1	±0.3%	±0.3%	∞
Response Time	±0.8%	R	$\sqrt{3}$	1	1	±0.5%	±0.5%	∞
Integration Time	±2.6%	R	$\sqrt{3}$	1	1	±1.5%	±1.5%	∞
RF Ambient Noise	±3.0%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
RF Ambient Reflections	±3.0%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
Probe Positioner	±0.4%	R	$\sqrt{3}$	1	1	±0.2%	±0.2%	∞
Probe Positioning	±2.9%	R	$\sqrt{3}$	1	1	±1.7%	±1.7%	∞
Max. SAR Eval.	±1.0%	R	$\sqrt{3}$	1	1	±0.6%	±0.6%	∞
Test Sample Related								
Device Positioning	±2.9%	N	1	1	1	±2.9%	±2.9%	145
Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%	5
Power Drift	±5.0%	R	$\sqrt{3}$	1	1	±2.9%	±2.9%	∞
Phantom and Setup								
Phantom Uncertainty	±4.0%	R	$\sqrt{3}$	1	1	±2.3%	±2.3%	∞
Liquid Conductivity (target)	±5.0%	R	$\sqrt{3}$	0.64	0.43	±1.8%	±1.2%	∞
Liquid Conductivity (meas.)	±2.5%	N	1	0.64	0.43	±1.6%	±1.1%	∞
Liquid Permittivity (target)	±5.0%	R	$\sqrt{3}$	0.6	0.49	±1.7%	±1.4%	∞
Liquid Permittivity (meas.)	±2.5%	N	1	0.6	0.49	±1.5%	±1.2%	∞
Combined Std. Uncertainty						±11%	±10.8%	387
Expanded STD Uncertainty						±22%	±21.5%	



DASY5 Uncertainty According to IEC 62209-2/2010 (30 MHz - 6 GHz range)								
Error Description	Uncert.	Prob. Dist.	Div.	(ci) 1g	(ci) 10g	Std. Unc. (1g)	Std. Unc. (10g)	(Vi) Veff
Measurement System				•			•	
Probe Calibration	±6.0%	N	1	1	1	±6.0%	±6.0%	∞
Axial Isotropy	±4.7%	R	√3	0.7	0.7	±1.9%	±1.9%	∞
Hemispherical Isotropy	±9.6%	R	√3	0.7	0.7	±3.9%	±3.9%	∞
Boundary Effects	±1.0%	R	√3	1	1	±0.6%	±0.6%	∞
Linearity	±4.7%	R	√3	1	1	±2.7%	±2.7%	∞
System Detection Limits	±1.0%	R	√3	1	1	±0.6%	±0.6%	∞
Readout Electronic	±0.3%	N	1	1	1	±0.3%	±0.3%	∞
Response Time	±0.8%	R	√3	1	1	±0.5%	±0.5%	∞
Integration Time	±2.6%	R	√3	1	1	±1.5%	±1.5%	∞
RF Ambient Noise	±3.0%	R	√3	1	1	±1.7%	±1.7%	∞
RF Ambient Reflections	±3.0%	R	√3	1	1	±1.7%	±1.7%	∞
Probe Positioner	±0.4%	R	√3	1	1	±0.2%	±0.2%	∞
Probe Positioning	±2.9%	R	√3	1	1	±1.7%	±1.7%	∞
Modulation Response	±2.5%	R	√3	1	1	±1.45 %	±1.45	∞
Post-processing	±3.8%	R	√3	1	1	±2.2%	±2.2%	∞
Test Sample Related			I	1	ı	ı	1	
Test Sample Positioning	±2.9%	N	1	1	1	±2.9%	±2.9%	145
Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%	5
Power Drift	±5.0%	R	√3	1	1	±2.9%	±2.9%	∞
Power Scaling	±0.0%	R	√3	1	1	±0.0%	±0.0%	∞
Phantom and Setup								
Phantom Uncertainty	±4.5%	R	√3	1	1	±2.4%	±2.4%	∞
SAR correction	±1.9%	R	√3	1	0.84	±1.9%	±1.9%	∞
Liquid Conductivity (target)	±5.0%	R	√3	0.64	0.43	±1.8%	±1.2%	∞
Liquid Conductivity (mea.)DAK	±2.5%	R	√3	0.64	0.43	±0.9%	±0.6%	∞
Liquid Permittivity (target)	±5.0%	R	√3	0.6	0.49	±1.7%	±1.4%	∞
Liquid Permittivity(mea.)DAK	±2.5%	R	√3	0.6	0.49	±0.9%	±0.7%	∞
Combined Std. Uncertainty	·					387		
Expanded STD Uncertainty						$\pm 22.1\%$	±21.8%	

4. MEASUREMENT EQUIPMENTLIST

Item	Туре	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Stäubli Robot TX90 XL	Stäubli	TX90	F12/5K9SA1/A101	N/A	N/A
2.	Controller	SPEAG	CS8c	N/A	N/A	N/A
3.	SAM Twin Phantom	SPEAG	N/A	1706	N/A	N/A
4.	ELI5 Phantom	SPEAG	N/A	1170	N/A	N/A
5.	Device Holder	SPEAG	N/A	N/A	N/A	N/A
6	ENA Network Analyzer	Agilent	E5071C-285	MY46215502	2021.04.08	1 Year
7	Signal Generator	Aglient	N5181A	MY50143917	2021.09.15	1 Year
8	Power Meter	Aglient	ML2487A	MY52180007	2021.09.15	1 Year
9	Power Sensor	Aglient	N8481	MY52080006	2021.09.15	1 Year
10	Data Acquisition Electronic	SPEAG	DAE4	679	2021.06.01	1 Year
11	E-Field Probe	SPEAG	EX3DV4	3753	2021.07.26	1 Year
12	Dipole Antenna	SPEAG	D2450V2	903	2020.11.10	1 Year
13	Dipole Antenna	SPEAG	D5GHzV2	1203	2020.12.22	1 Year
14	SAR Software	SPEAG	DASY52	Version.52.10.4.1527	N/A	N/A



5. SAR MEASUREMENT SYSTEM

5.1. Definition of Specific Absorption Rate (SAR)

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.

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:

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

SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

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

5.2. SPEAG DASY System

DASY system consists of high precision robot, probe alignment sensor, phantom, robot controller, controlled measurement server and near-field probe. The robot includes six axes that can move to the precision position of the DASY5 software defined. The DASY software can define the area that is detected by the probe. The robot is connected to controlled box. Controlled measurement server is connected to the controlled robot box. The DAE includes amplifier, signal multiplexing, AD converter, offset measurement and surface detection. It is connected to the Electro-optical coupler (ECO). The ECO performs the conversion form the optical into digital electric signal of the DAE and transfers data to the PC.

New Taipei City244, Taiwan

Tel: +886 2 26099301 Fax: +886 2 26099303

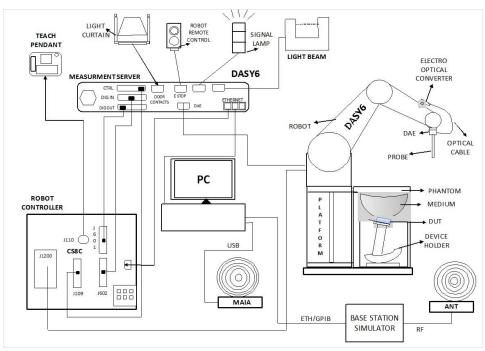


Fig-3.1 DASY6 System Setup

5.2.1. Robot

The DASY6 system uses the high precision robots from Stäubli SA (France). For the 6-axis controller system, the robot controller version (DASY5: CS8c) from Stäubli is used. The Stäubli robot series have many features that are important for our application:

- High precision (repeatability ±0.035 mm)
- High reliability (industrial design)
- Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)





5.2.2. Probes

Model	EX3DV4	
Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)	
Frequency	10 MHz to 6 GHz Linearity: ± 0.2 dB	1
Directivity	\pm 0.3 dB in HSL (rotation around probe axis) \pm 0.5 dB in tissue material (rotation normal to probe axis)	
Dynamic Range	$10~\mu W/g$ to $100~mW/g$ Linearity: $\pm~0.2~dB$ (noise: typically $<~1~\mu W/g$)	
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm	

5.2.3. Data Acquisition Electronics (DAE)

Model	DAE4	
Construction	Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY4/5 embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop.	
Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV, 400mV)	
Input Offset Voltage	< 5µV (with auto zero)	
Input Bias Current	< 50 fA	
Dimensions	60 x 60 x 68 mm	

5.2.4. Phantom

Model	Twin SAM	
Construction	The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEEE 1528 and IEC 62209-1. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.	
Material	Vinylester, glass fiber reinforced (VE-GF)	
Shell Thickness	2 ± 0.2 mm (6 ± 0.2 mm at ear point)	
Dimensions	Length: 1000 mm Width: 500 mm Height: adjustable feet	
Filling Volume	approx. 25 liters	

Model	ELI	
Construction	Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.	
Material	Vinylester, glass fiber reinforced (VE-GF)	
Shell Thickness	2.0 ± 0.2 mm (bottom plate)	THE PERSON NAMED IN
Dimensions	Major axis: 600 mm Minor axis: 400 mm	
Filling Volume	approx. 30 liters	

5.2.5. Device Holder

Model	Mounting Device	
Construction	In combination with the Twin SAM Phantom or ELI4, the Mounting Device enables the rotation of the mounted transmitter device in spherical coordinates. Rotation point is the ear opening point. Transmitter devices can be easily and accurately positioned according to IEC, IEEE, FCC or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat).	
Material	POM	

Model	Laptop Extensions Kit	
Construction	Simple but effective and easy-to-use extension for Mounting Device that facilitates the testing of larger devices according to IEC 62209-2 (e.g., laptops, cameras, etc.). It is lightweight and fits easily on the upper part of the Mounting Device in place of the phone positioner.	
Material	POM, Acrylic glass, Foam	

5.2.6. Reference Dipole

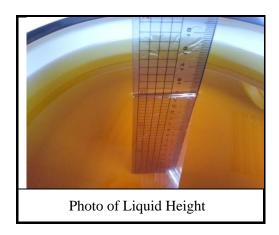
Model	System Validation Dipoles	42
Construction	Symmetrical dipole with 1/4 balun. Enables measurement of feed point impedance with NWA. Matched for use near flat phantoms filled with tissue simulating solutions.	
Frequency	750 MHz to 5800 MHz	
Return Loss	> 20 dB	II.
Power Capability	> 100 W (f < 1GHz), > 40 W (f > 1GHz)	Ť

File Number: C1M2109047 Report Number: EM-SR210057



5.2.7. Tissue Simulating Liquids

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. 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. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5% are listed in Table-5.1.



The dielectric properties of the head tissue simulating liquids are defined in IEEE 1528 and FCC OET 65 Supplement C Appendix C. For the body tissue simulating liquids, the dielectric properties are defined in FCC OET 65 Supplement C Appendix C. The dielectric properties of the tissue simulating liquids were verified prior to the SAR evaluation using an Agilent 85070D Dielectric Probe Kit and an Agilent Network Analyzer.

Table-5.1 Targets of Tissue Simulating Liquid

Table-5.1 Targets of Tissue Simulating Liquid								
Target Frequency [MHz]	Target Permittivity (εr)	Range of ± 5%	Target Conductivity σ[s/m]	Range of ± 5%				
	F	For Head						
750	41.9	39.8 ~ 44.0	0.89	0.85 ~ 0.93				
835	41.5	39.4 ~ 43.6	0.90	0.86 ~ 0.95				
900	41.5	39.4 ~ 43.6	0.97	0.92 ~ 1.02				
1450	40.5	38.5 ~ 42.5	1.20	1.14 ~ 1.26				
1640	40.3	38.3 ~ 42.3	1.29	1.23 ~ 1.35				
1750	40.1	38.1 ~ 42.1	1.37	1.30 ~ 1.44				
1800	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47				
1900	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47				
2000	40.0	38.0 ~ 42.0	1.40	1.33 ~ 1.47				
2300	39.5	37.5 ~ 41.5	1.67	1.59 ~ 1.75				
2450	39.2	37.2 ~ 41.2	1.80	1.71 ~ 1.89				
2600	39.0	37.1 ~ 41.0	1.96	1.86 ~ 2.06				
3500	37.9	36.0 ~ 39.8	2.91	2.76 ~ 3.06				
5200	36.0	34.2 ~ 37.8	4.66	4.43 ~ 4.89				
5300	35.9	34.1 ~ 37.7	4.76	4.52 ~ 5.00				
5500	35.6	33.8 ~ 37.4	4.96	4.71 ~ 5.21				
5600	35.5	33.7 ~ 37.3	5.07	4.82 ~ 5.32				
5800	35.3	33.5 ~ 37.1	5.27	5.01 ~ 5.53				
	F	For Body						
750	55.5	52.7 ~ 58.3	0.96	0.91 ~ 1.01				
835	55.2	52.4 ~ 58.0	0.97	0.92 ~ 1.02				
900	55.0	52.3 ~ 57.8	1.05	1.00 ~ 1.10				
1450	54.0	51.3 ~ 56.7	1.30	1.24 ~ 1.37				
1640	53.8	51.1 ~ 56.5	1.40	1.33 ~ 1.47				
1750	53.4	50.7 ~ 56.1	1.49	1.42 ~ 1.56				
1800	53.3	50.6 ~ 56.0	1.52	1.44 ~ 1.60				
1900	53.3	50.6 ~ 56.0	1.52	1.44 ~ 1.60				
2000	53.3	50.6 ~ 56.0	1.52	1.44 ~ 1.60				
2300	52.9	50.3 ~ 55.5	1.81	1.72 ~ 1.90				
2450	52.7	50.1 ~ 55.3	1.95	1.85 ~ 2.05				
2600	52.5	49.9 ~ 55.1	2.16	2.05 ~ 2.27				
3500	51.3	48.7 ~ 53.9	3.31	3.14 ~ 3.48				
5200	49.0	46.6 ~ 51.5	5.30	5.04 ~ 5.57				
5300	48.9	46.5 ~ 51.3	5.42	5.15 ~ 5.69				
5500	48.6	46.2 ~ 51.0	5.65	5.37 ~ 5.93				
5600	48.5	46.1 ~ 50.9	5.77	5.48 ~ 6.06				
5800	48.2	45.8 ~ 50.6	6.00	5.70 ~ 6.30				



Table-5.2 Recipes of Tissue Simulating Liquid

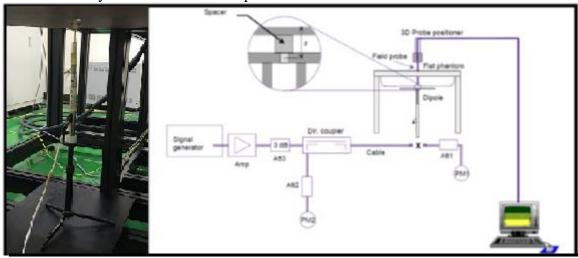
	Table	Table-5.2 Recipes of Tissue Simulating Liquid							
Tissue Type	Bactericide	DGBE	НЕС	NaCI	Sucrose	Triton X-100	Water	Diethylene Glycol Mono-hexylether	
				For Hea	d				
H750	0.2	-	0.2	1.5	56.0	-	42.1	-	
H835	0.2	-	0.2	1.5	57.0	-	41.1	-	
H900	0.2	-	0.2	1.4	58.0	-	40.2	-	
H1450	-	43.3	-	0.6	-	-	56.1	-	
H1640	-	45.8	-	0.5	-	-	53.7	-	
H1750	-	47.0	1	0.4	-	-	52.6	-	
H1800	-	44.5	ı	0.3	-	-	55.2	-	
H1900	-	44.5	ı	0.2	-	-	55.3	-	
H2000	-	44.5	ı	0.1	-	ı	55.4	-	
H2300	-	44.9	ı	0.1	-	ı	55.0	-	
H2450	=	45.0	-	0.1	-	-	54.9	-	
H2600	=	45.1	-	0.1	-	-	54.8	-	
H3500	-	8.0	ı	0.2	-	20.0	71.8	-	
H5G	-		-	-	-	17.2	65.5	17.3	
				For Bod	y				
B750	0.2	-	0.2	0.8	48.8	-	50.0	-	
B835	0.2	-	0.2	0.9	48.5	-	50.2	-	
B900	0.2	ı	0.2	0.9	48.2	ı	50.5	-	
B1450	-	34.0		0.3	-	-	65.7	-	
B1640	-	32.5	-	0.3	-	-	67.2	-	
B1750	-	31.0	-	0.2	-	-	68.8	-	
B1800	-	29.5	-	0.4	-	-	70.1	-	
B1900	-	29.5	-	0.3	-	-	70.2	-	
B2000	=	30.0	-	0.2	-	-	69.8	-	
B2300	-	31.0	-	0.1	-	-	68.9		
B2450	-	31.4	-	0.1	-	-	68.5		
B2600	-	31.8	-	0.1	-	-	68.1		
B3500	-	28.8	-	0.1	-	-	71.1		
B5G	-	-	-	-	-	10.7	78.6	10.7	





5.3. SAR System Verification

The system check verifies that the system operates within its specifications. It is performed daily or before every SAR measurement. The system check uses normal SAR measurements in the flat section of the phantom with a matched dipole at a specified distance. The system verification setup is shown as below.



The validation dipole is placed beneath the flat phantom with the specific spacer in place. The distance spacer is touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The power meter PM1 measures the forward power at the loation of the system check dipole connector. The signal generator is adjusted for the desired forward power (250 mW is used for 700 MHz to 3 GHz, 100 mW is used for 3.5 GHz to 6 GHz) at the dipole connector and the power meter PM2 is read at that level. After connecting the cable to the dipole, the signal generator is readjusted for the same reading at power meter PM2.

After system check testing, the SAR result will be normalized to 1W forward input power and compared with the reference SAR value derived from validation dipole certificate report. The deviation of system check should be within 10 %.

5.3.1. SAR System Verification Result

Dipole Kit: Di	Dipole Kit: D2450V2									
Test Date: 20		Liquid Temp. [°C]: 21.0								
Frequency [MHz] 1g SAR						10g SAR				
2450	Zoom Scan to 250mW	Normalize to 1W	Refe	Target Value Reference result ± 10% window			Normalize to 1W	Refe	rget Varence 1	esult
	13.40	53.60	52.00			()5	25.00	24.00		
	13.40	33.00	46.80	to	57.20	6.25	25.00	21.60	to	26.40

Dipole Kit: D5GHzV2							
Test Date: 20	21. 09. 2	6		Liquid Temp. [$^{\circ}$ C]: 21.0			
Frequency [MHz] 1g SAR				10g SAR			
5250	Zoom Scan to 100mW	Normalize to 1W	Target Value Reference result ± 10% window	Zoom Scan to 100mW	Normalize to 1W	Target Value Reference result ± 10% window	
	7.97	79.70	72.00 64.80 to 79.20	2.28	22.80	20.06 18.05 to 22.07	

Dipole Kit: D:	Dipole Kit: D5GHzV2								
Test Date: 20	21. 09. 2	8		Liquid Temp. [$^{\circ}$ C]: 21.0					
Frequency [MHz]	1g SAR				10g SAR				
5600	Zoom Scan to 100mW	Normalize to 1W	Target Value Reference result ± 10% window	Zoom Scan to 100mW	Normalize to 1W	Target Value Reference result ± 10% window			
	8.34	83.40	76.80 69.12 to 84.48	2.41 24.10		22.00 19.80 to 24.20			

Dipole Kit: D5GHzV2							
Test Date: 20	21. 09. 2	7	Liquid T	Liquid Temp. [°C]: 21.0			
Frequency [MHz]	I I I I I I I I I I I I I I I I I I I			10g SAR			
5750	Zoom Scan to 100mW	Normalize to 1W	Reference result		Normalize to 1W	Refere	et Value ence result window
	7.95	79.50	72.50 65.25 to 79.75	2.27	22.70	18.54	to 22.66

5.3.2. SAR System Check Data

Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

System Check H2450

DUT: D2450V2 - SN903

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle:1:1 Medium parameters used: f = 2450 MHz; $\sigma = 1.879$ S/m; $\epsilon_r = 38.687$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2450 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

P=250mW/Area Scan (6x6x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 13.4 W/kg

P=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

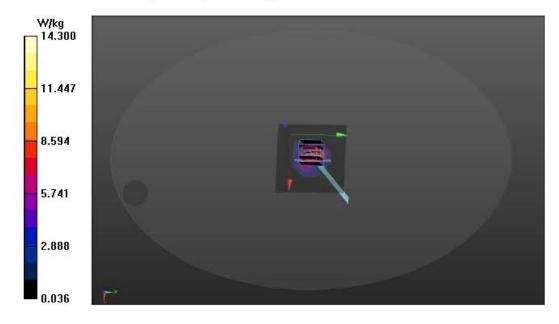
Reference Value = 89.41 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 36.1 W/kg

SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.25 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 41.8% Maximum value of SAR (measured) = 14.3 W/kg





Page 1 of 1

Date: 9/26/2021

Test Laboratory: Audix SAR Lab

System Check_H5250

DUT: D5GHzV2 - SN1203

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle:1:1 Medium parameters used: f = 5250 MHz; $\sigma = 4.595$ S/m; $\epsilon_r = 36.652$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.56, 4.56, 4.56) @ 5250 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

P=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 12.6 W/kg

P=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

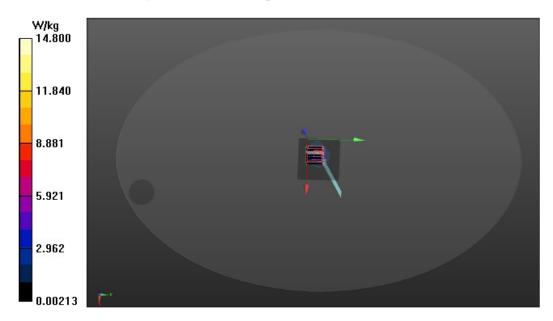
Reference Value = 34.18 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 34.2 W/kg

SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.28 W/kg

Smallest distance from peaks to all points 3 dB below = 6.9 mm

Ratio of SAR at M2 to SAR at M1 = 42.9% Maximum value of SAR (measured) = 14.8 W/kg





Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix_SAR Lab

System Check H5600

DUT: D5GHzV2 - SN1203

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle:1:1 Medium parameters used: f = 5600 MHz; $\sigma = 5.002$ S/m; $\epsilon_r = 36.115$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.42, 4.42, 4.42) @ 5600 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

P=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 17.8 W/kg

P=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

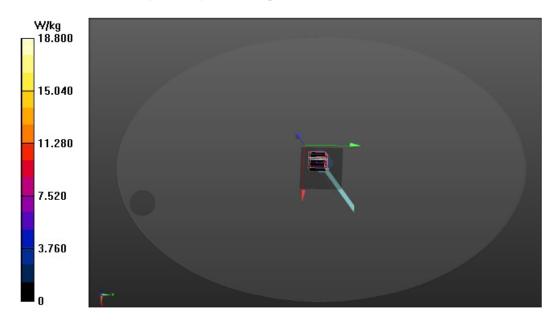
Reference Value = 42.15 V/m; Power Drift = 0.32 dB

Peak SAR (extrapolated) = 38.6 W/kg

SAR(1 g) = 8.34 W/kg; SAR(10 g) = 2.41 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 49.1% Maximum value of SAR (measured) = 18.8 W/kg





Page 1 of 1

Date: 9/27/2021

Test Laboratory: Audix_SAR Lab

System Check_H5750

DUT: D5GHzV2 - SN1203

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle:1:1 Medium parameters used: f = 5750 MHz; $\sigma = 5.17$ S/m; $\epsilon_r = 35.843$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.65, 4.65, 4.65) @ 5750 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

P=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 14.9 W/kg

P=100mW/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

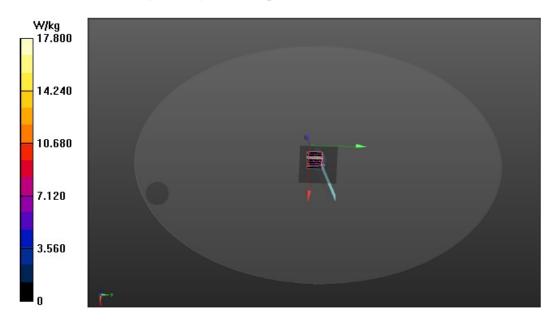
Reference Value = 44.69 V/m; Power Drift = 0.28 dB

Peak SAR (extrapolated) = 42.1 W/kg

SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.27 W/kg

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 47.7% Maximum value of SAR (measured) = 17.8 W/kg



5.4. SAR Measurement Procedure

According to the SAR 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

The SAR measurement procedures for each of test conditions are as follows:

- (a) Make EUT to transmit maximum output power
- (b) Measure conducted output power through RF cable
- (c) Place the EUT in the specific position of phantom
- (d) Perform SAR testing steps on the DASY system
- (e) Record the SAR value

5.4.1. Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. According to KDB 865664D01v01r03, the resolution for Area and Zoom scan is specified in the table below.

Items	<= 2 GHz	2-3 GHz	3-4 GHz	4-5 GHz	5-6 GHz
Area Scan $(\Delta x, \Delta y)$	<= 15mm	<= 12mm	<= 12mm	<= 10mm	<= 10mm
Zoom Scan $(\Delta x, \Delta y)$	<= 8mm	<= 5mm	<= 5mm	<= 4mm	<= 4mm
Zoom Scan (Δz)	<= 5mm	<= 5mm	<= 4mm	<= 3mm	<= 2mm
Zoom Scan Volume	>= 30mm	>= 30mm	>= 28mm	>= 25mm	>= 22mm

Note:

When zoom scan is required and report SAR is <= 1.4 W/kg, the zoom scan resolution of Δx / Δy (2-3GHz: <= 8 mm, 3-4GHz: <= 7 mm, 4-6GHz: <= 5 mm) may be applied.

5.4.2. Volume Scan Procedure

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.

5.4.3. 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 drift more than 5%, the SAR will be retested.

5.4.4. 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





5.4.5. SAR Averaged Methods

In DASY, the interpolation and extrapolation are both based on the modified Quadratic Shepard's method. The interpolation scheme combines a least-square fitted function method and a weighted average method which are the two basic types of computational interpolation and approximation.

Extrapolation routines are used to obtain SAR values between the lowest measurement points and the inner phantom surface. The extrapolation distance is determined by the surface detection distance and the probe sensor offset. The uncertainty increases with the extrapolation distance. To keep the uncertainty within 1% for the 1 g and 10 g cubes, the extrapolation distance should not be larger than 5 mm.

6. SAR MEASUREMENT EVALUATION

6.1. EUT Configuration and Setting

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 KDB 447498 D01 are 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 the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics. All body-worn accessories containing metallic components are tested in conjunction with the host device.

Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice only operations in its normal and expected use conditions, testing of data mode for body-worn compliance is not required.

A conservative minimum test separation distance for supporting off-the-shelf body-worn accessories that may be acquired by users of consumer handsets is used to test for body-worn accessory SAR compliance. This distance is determined by the handset manufacturer, according to the requirements of Supplement C 01-01. Devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, will be tested using a conservative minimum test separation distance ≤ 5 mm to support compliance.



6.2. EUT Testing Position

The SAR testing required mode is listed as below.

Antenna	Front Face	Rear Face	Top Side	Bottom Side	Left Side	Right Side	Screen Side
WLAN				V			V

Note: Per KDB 447498 D01

- a) For 100 MHz to 6 GHz and test separation distances \leq 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following: [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \leq 3.0$ for 1-g SAR, and \leq 7.5 for 10-g extremity SAR, where
 - f(GHz) is the RF channel transmit frequency in GHz
- b) For 100 MHz to 6 GHz and test separation distances > 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following (also illustrated in Appendix B):³²
 - 1) {[Power allowed at numeric threshold for 50 mm in step a)] + [(test separation distance -50 mm)·(f(MHz)/150)]} mW, for 100 MHz to 1500 MHz
 - 2) {[Power allowed at numeric threshold for 50 mm in step a)] + [(test separation distance -50 mm)·10]} mW, for > 1500 MHz and $\le 6 \text{ GHz}$

SAR test exclusion table distance is > 50mm @ Left Side (AUX to edge)

Frequency (GHz)	In Step 1 threshold Power (mW)	Distance between antenna and user(mm)	SAR Exclusion Threshold Power @ >50 mm (mW)	EUT tune-up maximum power (mW)	SAR test
2.442	95.9883	127.2	867.9883	112.202	No
5.260	65.4031	127.2	837.4031	100.000	No
5.580	63.5001	127.2	835.5001	100.000	No
5.745	62.5815	127.2	834.5815	100.000	No
5.785	62.3648	127.2	834.3648	100.000	No
5.825	62.1503	127.2	834.1503	100.000	No

SAR test exclusion table distance is > 50mm @ Right Side (Main to edge)

				0 /	
Frequency (GHz)	In Step 1 threshold Power (mW)	Distance between antenna and user(mm)	SAR Exclusion Threshold Power @ >50 mm (mW)	EUT tune-up maximum power (mW)	SAR test
2.442	95.9883	86.2	457.9883	112.202	No
5.260	65.4031	86.2	427.4031	100.000	No
5.580	63.5001	86.2	425.5001	100.000	No
5.745	62.5815	86.2	424.5815	102.329	No
5.785	62.3648	86.2	424.3648	102.329	No
5.825	62.1503	86.2	424.1503	100.000	No



6.3. Tissue Calibration Result

The dielectric parameters of the liquids were verified prior to the SAR evaluation using Agilent Dielectric Probe Kit and Agilent E5071C Vector Network Analyzer.

Body Tissue Simulate Measurement							
Frequency	Description	Dielectric l	Liquid Temp.				
[MHz] Description		$\epsilon_{ m r}$	σ[s/m]	[°C]			
	Reference result	39.2	1.80	N/A			
2450MHz	± 5% window	37.240 to 41.160	1.710 to 1.890	IN/A			
	2021. 09. 29	38.681	1.879	21.0			

Body Tissue Simulate Measurement						
Frequency	Description	Dielectric Parameters		Liquid Temp.		
[MHz]		$\epsilon_{ m r}$	σ[s/m]	[℃]		
5200MHz	Reference result	36.0	4.66	N/A		
	± 5% window	34.200 to 37.800	4.427 to 4.893	IV/A		
	2021. 09. 26	36.115	4.595	21.0		

Body Tissue Simulate Measurement						
Frequency	Description	Dielectric Parameters		Liquid Temp.		
[MHz]		$\epsilon_{ m r}$	σ[s/m]	[°C]		
5600MHz	Reference result	35.5	5.07	N/A		
	± 5% window	33.725 to 37.275	4.817 to 5.324	IV/A		
	2021. 09. 28	36.115	5.002	21.0		

Body Tissue Simulate Measurement					
Frequency [MHz]	Description	Dielectric Parameters		Liquid Temp.	
		$\epsilon_{ m r}$	σ[s/m]	[°C]	
5750MHz	Reference result	35.3	5.27	N/A	
	± 5% window	33.535 to 37.065	5.007 to 5.534		
	2021. 09. 27	35.843	5.170	21.0	



6.4. SAR Exposure Limits

SAR assessments have been made in line with the requirements of IEEE-1528, FCC Supplement C, and comply with ANSI/IEEE C95.1-1992 "Uncontrolled Environments" limits. These limits apply to a location which is deemed as "Uncontrolled Environment" which can be described as a situation where the general public may be exposed to an RF source with no prior knowledge or control over their exposure.

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

Type Exposure	Uncontrolled Environment Limit	
Spatial Peak SAR (1g cube tissue for brain or body)	1.60 W/kg	
Spatial Average SAR (whole body)	0.08 W/kg	
Spatial Peak SAR (10g for hands, feet, ankles and wrist)	4.00 W/kg	

6.5. Conducted Power Measurement

Note:

- 1. Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - Scale Factor = tune-up limit power (mW)/EUT Conducted power (mW), where tune-up limit is the maximum rated power among all production units.
 - Scale SAR(W/kg)= Measured SAR(W/kg)* Scaling Factor
- 2. Per KDB 447498 D01, for each exposure position, if the highest output channel reported SAR ≤0.8W/kg, other channels SAR testing is not necessary.
- 3. Per KDB 248227 D01, for OFDM transmission configuration in the 2.4G and 5G bands. An initial test configuration is determined by the highest maximum output power including tune-up tolerance. When multiple transmission modes(802.11a/g/n/ac/ax) have same maximum power, largest channel bandwidth, lowest order modulation and lowest data rate, lowest order 802.11 mode is selected.(i.e. a, g, n, ac then ax)
- 4. Per KDB 248227 D01, when the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.
- 5. Per KDB 248227 D01,U-NII-1 and U-NII-2A bands have the same specified maximum output and tolerance; SAR is measured for U-NII-2A band first. Adjusted SAR of U-NII-2A band is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.
- 6. Per KDB 248227 D01, When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested.
- 7. Pursuant section 2.8.1(2) KDB 865664 D01, when the original highest measured SAR is \geq 0.80 W/kg, repeat that measurement once.
- 8. Pursuant section 2.8.1(3) KDB 865664 D01, perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit)





6.5.1. For WLAN Function

		Li II V I GII		(Output Po	ower (dBm)		
Type of	C1 1	Frequency	Chain	0 (ANT 1-A	UX)	Chair	n 1 (ANT 2	-Main)	CAD Total
Network	Channel	(MHz)	Average	Tune-Up	Scale	Average	Tune-Up	Scale	SAR Test
			Power	Limit	Factor	Power	Limit	Factor	
	CH 1	2412	18.76	19.0		19.19	19.5		No ^{NOTE2}
	CH 2	2417	19.51	20.0		19.65	20.0		NO
	CH 7	2442	19.69	20.0	1.07	19.66	20.0	1.08	Yes
802.11b	CH 10	2457	19.86	20.0	1.03	19.91	20.0	1.02	Yes
	CH 11	2462	18.83	19.0		18.45	18.5		
	CH 12	2467	18.06	18.5		17.61	18.0		No ^{NOTE2}
	CH 13	2472	12.82	13.0		12.76	13.0		
	CH 1	2412	16.58	17.0		16.61	17.0		
	CH 2	2417	17.56	18.0		17.71	18.0		
	CH 7	2442	19.38	19.5		19.35	19.5		
802.11g	CH 10	2457	18.16	18.5		17.74	18.0		No ^{NOTE6}
	CH 11	2462	17.19	17.5		17.23	17.5		
	CH 12	2467	14.74	15.0		14.58	15.0		
	CH 13	2472	1.29	1.5		0.85	1.0		



				(Output Po	ower (dBm	1)		
Type of	Channal	Frequency	Chain	0 (ANT 1-A	UX)	Chai	n 1 (ANT 2-N	Main)	CAD Tost
Network	Channel	(MHz)	Average	Tune-Up	Scale	Average	Tune-Up	Scale	SAR Test
			Power	Limit	Factor	Power	Limit	Factor	
	CH 1	2412	13.93	14.0		14.21	14.5		
	CH 2	2417	15.03	15.5		15.06	15.5		
902.11	CH 7	2442	16.98	17.0		17.11	17.5		
802.11n- HT20	CH 10	2457	15.59	16.0		15.18	15.5		
П120	CH 11	2462	14.64	15.0		14.48	14.5		
	CH 12	2467	11.68	12.0		11.53	12.0		
	CH 13	2472	-0.40	0		-0.96	0		No ^{NOTE4 · 3}
	CH 3	2422	13.46	13.5		13.59	14.0		NO
	CH 4	2427	12.52	13.0		12.64	13.0		
902.11	CH 7	2442	14.22	14.5		14.27	14.5		
802.11n- HT40	CH 8	2447	14.51	15.0		14.53	15.0		
П140	CH 9	2452	12.82	13.0		13.06	13.5		
	CH 10	2457	9.37	9.5		9.00	9.5		
	CH 11	2462	1.03	1.5		0.14	0.5		
	CH 1	2412	13.66	14.0		13.91	14.0		
	CH 2	2417	15.24	15.5		14.81	15.0		
002 11	CH 7	2442	16.61	17.0		16.81	17.0		
802.11ax- HE20	CH 10	2457	15.27	15.5		14.96	15.0		
HE20	CH 11	2462	14.42	14.5		14.30	14.5		
	CH 12	2467	11.51	12.0		11.58	12.0		
	CH 13	2472	-0.56	0		-1.23	-1.0		No ^{NOTE4 · 3}
	CH 3	2422	13.30	13.5		13.63	14.0		NO
	CH 4	2427	12.58	13.0		12.29	12.5		
902 11	CH 7	2442	14.07	14.5		14.26	14.5		
802.11ax- HE40	CH 8	2447	14.17	14.5		14.11	14.5]
пе40	CH 9	2452	12.82	13.0		12.54	13.0]
	CH 10	2457	9.18	9.5		9.23	9.5		
	CH 11	2462	0.99	1.0		-0.20	0]

		Frequency		(Output Po	ower (dBm)		
Type of	RU	Frequency	Chain	0 (ANT 1-A	UX)	Chair	1 (ANT 2-I	Main)	SAR Test
Network	Config	(MHz)	Average	Tune-Up	Scale	Average	Tune-Up	Scale	
			Power	Limit	Factor	Power	Limit	Factor	
	26/0		12.85	13.0		13.95	14.0		
	52/37	2412	13.45	13.5		13.33	13.5		
802.11ax-	106/53		13.23	13.5		13.63	14.0		
HE20	26/8		-2.16	-2.0		-2.47	-2.0		No ^{NOTE4 · 3}
	52/40	2472	-2.07	-2.0		-2.21	-2.0		110
	106/54		-1.56	-1.5		-2.46	2.0		
802.11ax-	242/61	2422	13.14	13.5		13.32	13.5		
HE40	242/62	2467	1.16	1.5		-1.03	-1.00		





Т	- C				0	utput Po	wer (dBm)			
Type Netwo			Eraguanav	Chain () (ANT 1-A	AUX)	Chain	1 (ANT 2-1	Main)	
Netwo	U-NII Band	Channel	Frequency (MHz)	Average Power	Tune-Up Limit	Scale Factor	Average Power	Tune-Up Limit	Scale Factor	SAR Test
		CH 36	5180	17.98	18.0		18.14	18.5]
	I	CH 40	5200	18.91	19.0		18.59	19.0		No ^{NOTE5 · 3}
		CH 48	5240	19.08	19.5		18.97	19.0		
		CH 52	5260	18.90	19.0	1.02	19.10	19.5	1.00	Yes
	2A	CH 60	5300	18.90	19.0		18.92	19.0		No ^{NOTE2}
		CH 64	5320	18.08	18.5		17.78	18.0		NO
802.11a		CH 100	5500	18.68	19.0	1.08	18.01	18.5	1.12	Yes
	2C	CH 116	5580	18.47	18.5	1.01	18.60	19.0	1.10	Yes
	2C	CH 140	5700	18.37	18.5		18.20	18.5		No ^{NOTE2 · 3}
		CH 144	5720	17.91	18.0		17.55	18.0		NO
		CH 149	5745	18.13	18.5	1.09	18.15	18.5	1.08	Yes
	III	CH 157	5785	18.23	18.5	1.06	17.66	18.0	1.08	Yes
		CH 165	5825	18.11	18.5		17.86	18.0		No ^{NOTE2 · 3}





TD.	C				O	utput Po	wer (dBm)	1		
Type			Г	Chain () (ANT 1-A	AUX)	Chain	1 (ANT 2-I	Main)	
Netwo	U-NII Band	Channel	Frequency (MHz)	Average Power	Tune-Up Limit	Scale Factor	Average Power	Tune-Up Limit	Scale Factor	SAR Test
		CH 36	5180	15.29	15.5		15.53	16.0		
	I	CH 40	5200	15.83	16.0		16.16	16.5		
		CH 48	5240	15.63	16.0		16.25	16.5		
		CH 52	5260	15.92	16.0		16.19	16.5		
	2A	CH 60	5300	15.87	16.0		16.20	16.5		
900.11		CH 64	5320	15.00	15.5		15.17	15.5		
802.11n- HT20		CH 100	5500	15.47	15.5		15.75	16.0		No ^{NOTE4 · 3}
П120	2C	CH 116	5580	16.97	17.0		17.35	17.5		
	2C	CH 140	5700	14.31	14.5		14.70	15.0		
		CH 144	5720	17.15	17.5		17.34	17.5		
		CH 149	5745	17.24	17.5		17.01	17.5		
	III	CH 157	5785	16.96	17.0		17.30	17.5		
		CH 165	5825	17.15	17.5		16.87	17.0		
	I	CH 38	5190	15.47	15.5		15.68	16.0		
	1	CH 46	5230	16.05	16.5		15.87	16.0		
	2A	CH 54	5270	15.90	16.0		15.98	16.0		
	ZΑ	CH 62	5310	14.55	15.0		14.79	15.0		
802.11n-		CH 102	5510	15.00	15.5		14.97	15.0		No ^{NOTE4 · 3}
HT40	2C	CH 110	5550	15.65	16.0		15.30	15.5		NO
	2C	CH 134	5670	17.05	17.5		16.81	17.0		
		CH 142	5710	17.65	18.0		17.82	18.0		
	III	CH 151	5755	17.34	17.5		17.77	18.0		
	1111	CH 159	5795	17.52	18.0		17.48	17.5		
	I	CH 52	5210	15.82	16.0		15.62	16.0		
	2A	CH 58	5290	14.66	15.0		14.53	15.0		
802.11ac-		CH 106	5530	15.42	15.5		15.23	15.5		No ^{NOTE4 · 3}
VHT80	2C	CH 133	5610	17.72	18.0		17.51	18.0		INU
		CH 138	5690	18.03	18.5		17.84	18.0		
	III	CH 155	5775	16.45	16.5		16.26	16.5		
802.11ac-	I/2A	CH 50	5250	11.34	11.5		11.53	12.0		No ^{NOTE4 · 3}
VHT160	2C	CH 114	5570	10.91	11.0		10.94	11.0		INO





Type	o.f				0	utput Po	wer (dBm))		
Netwo			Frequency	Chain C	(ANT 1-A	AUX)	Chain	1 (ANT 2-N	Main)	
Netwo	U-NII Band	Channel	(MHz)	Average Power	Tune-Up Limit	Scale Factor	Average Power	Tune-Up Limit	Scale Factor	SAR Test
		CH 36	5180	15.42	15.5		15.04	15.5		
	I	CH 40	5200	15.84	16.0		15.90	16.0		
		CH 48	5240	16.00	16.5		15.81	16.0		
		CH 52	5260	16.07	16.5		15.89	16.0		
	2A	CH 60	5300	16.03	16.5		15.95	16.0		1
000 11		CH 64	5320	15.24	15.5		14.91	15.0		1
802.11ax -HE20		CH 100	5500	15.59	16.0		15.45	15.5		No ^{NOTE4 · 3}
-HE20	20	CH 116	5580	17.04	17.5		16.69	17.0		1
	2C	CH 140	5700	14.76	15.0		14.57	15.0		1
		CH 144	5720	17.15	17.5		16.88	17.0		
		CH 149	5745	16.91	17.0		17.18	17.5		1
	III	CH 157	5785	17.10	17.5		17.05	17.5		1
		CH 165	5825	16.97	17.0		17.30	17.5		1
	I	CH 38	5190	15.10	15.5		14.89	15.0		
	1	CH 46	5230	16.79	17.0		16.50	17.0		
	2A	CH 54	5270	16.20	16.5		16.09	16.5		
	ZA	CH 62	5310	14.04	14.5		14.15	14.5		
802.11ax		CH 102	5510	14.59	15.0		14.24	14.5		No ^{NOTE4 · 3}
-HE40	2C	CH 110	5550	15.43	16.0		15.33	15.5		NO
	2C	CH 134	5670	16.66	17.0		16.40	16.5		1
		CH 142	5710	17.29	17.5		16.84	17.0		
	ш	CH 151	5755	17.05	17.5		17.22	17.5		
	III	CH 159	5795	17.21	17.5		17.15	17.5		1
	I	CH 52	5210	15.55	16.0		15.37	15.5		
	2A	CH 58	5290	14.32	14.5		14.38	14.5		
802.11ax		CH 106	5530	14.88	15.0		15.13	15.5		No ^{NOTE4 · 3}
-HE80	2C	CH 133	5610	17.42	17.5		17.09	17.5		NO
		CH 138	5690	17.44	17.5		17.15	17.5		
	III	CH 155	5775	16.09	16.5		16.12	16.0		
802.11ax	I/2A	CH 50	5250	11.47	11.5		11.78	12.0		No ^{NOTE4 · 3}
-HE160	2C	CH 114	5570	11.12	11.5		11.44	11.5		INO





T	C					Ou	tput Po	wer (dBm)			
Type Netwo			E	RU	Chain 0	(ANT 1-A	UX)	Chain 1	(ANT 2-N	Iain)	SAR
Netwo	U-NII Band	Channel	Frequency (MHz)	Config	Average Power	Tune-Up Limit	Scale Factor	Average Power	Tune-Up Limit	Scale Factor	Test
				26/0	11.35	11.5		11.00	11.5		
	I	CH 36	5180	52/37	14.16	14.5		14.00	14.5		
				106/53	15.43	15.5		15.20	15.5		
				26/8	11.61	12.0		11.45	11.5		
	2A	CH 64	5320	52/40	11.67	12.0		11.29	11.5		
				106/54	15.29	15.5		15.49	15.5		
				26/0	11.37	11.5		11.09	11.5		
		CH 100	5500	52/37	14.68	15.0		14.22	14.5		
802.11ax	20			106/53	15.43	15.5		15.68	16.0		No ^{NOTE}
-HE20	2C CH 140			26/8	11.58	12.0		11.36	11.5		4 · 3
		CH 140	5700	52/40	12.77	13.0		12.46	12.5		
				106/54	14.36	14.5		14.09	14.5		
				26/0	11.51	12.0		11.10	11.5		
		CH 149	5745	52/37	14.39	14.5		14.00	14.5		
	III -			106/53	16.97	17.0		16.70	17.0		
				26/8	14.98	15.0		14.65	15.0		
		CH 165	5825	52/40	16.18	16.5		16.95	17.0		
		CII 103		106/54	16.55	17.0		16.60	17.0		
	I	CH 38	5190	242/61	15.41	15.5		14.99	15.0		
	2A	CH 62	5310	242/62	13.97	14.0		14.41	14.5		
802.11ax	20	CH 102	5510	242/61	14.78	15.0		14.32	14.5		No^{NOTE}
-HE40	2C	CH 142	5710	242/62	16.42	16.5		16.39	16.5		4 ` 3
	111	CH 151	5755	242/61	16.92	17.0		16.63	17.0		
	III	CH 159	5795	242/62	16.53	17.0		16.38	16.5		
	I	CH 52	5210	484/65	15.24	15.5		14.84	15.0		
	2A	CH 58	5290	484/66	11.41	11.5		11.88	12.0		
802.11ax	2.0	CH 106	5530	484/65	13.47	13.5		13.47	13.5		No^{NOTE}
802.11ax -HE80	2C	CH 133	5610	484/66	15.67	16.0		15.57	16.0		4 · 3
	177			484/65	15.66	16.0		15.42	15.5		
	III	CH 155	5775	484/66	15.46	15.5		15.17	15.0		
	2 :	OII 50	5050	996/67	10.37	10.5		10.23	10.5		
802.11ax	2A	CH 50	5250	996/S67	10.11	10.5		10.08	10.5		NoNOTE
-HE160	20		9	996/67	9.72	10.0		9.49	10.0		NO 4 · 3
	2C CH 114	5570	996/S67	10.19	10.5		10.02	10.5			





Audix Technology Corp. No. 491, Zhongfu Rd., Linkou Dist., New Taipei City244, Taiwan

6.5.2. For BT Function

0.5.2. TOLDI	unction					
Type of Network	Channel	Frequency (MHz)	Max Output Power (dBm)	Tune-Up Limit	Scale Factor	SAR Test
Dlantard	CH 0	2402	9.05	9.5		No
Bluetooth-	CH 39	2441	9.52	10.0	1.12	Yes
GFSK	CH 78	2480	9.46	9.5		No
Dlastasth	CH 0	2402	6.73	7.0		No
Bluetooth- 8-DPSK	CH 39	2441	7.47	7.5		No
0-DL2K	CH 78	2480	6.82	7.0		No
DIE	CH 37	2402	4.71	5.0		No
BLE	CH 17	2440	5.08	5.5		No
(1M)	CH 39	2480	5.67	6.0		No
DIE	CH 37	2402	4.71	5.0		No
BLE	CH 17	2440	5.32	5.5		No
(2M)	CH 39	2480	5.71	6.0		No
	CH 37	2402	4.66	5.0		No
BLE (PHY Coded S2)	CH 17	2440	5.08	5.5		No
	CH 39	2480	5.58	6.0		No
	CH 37	2402	4.61	5.0		No
BLE (PHY Coded S8)	CH 17	2440	5.09	5.5		No
	CH 39	2480	4.60	5.0		No



Tel: +886 2 26099301 Fax: +886 2 26099303

6.6. SAR Test Result

Test Date	2021/09/26~29	Temp./Hum.	22°C/44~48%
Test Voltage	AC 120V, 60Hz (with AC Adapter)	Tested by	Brian Hsieh
Test SKU	SKU #1 (with	INPAQ Antenn	a)

	Liquid Temperature : 21.0°C Depth of Liquid: >15cm Test Mode: WLAN 2.4GHz											
Plot No.	Mode: WL	Antenna	Antenna Position	Test Position: Body	Separation Distance (cm)	Frequency	Conducte d Power (dBm)	Maximum Tune-up (dBm)	SAR 1g (W/kg)	Scale Factor	Scale SAR	Limit (W/kg)
7	802.11b	ANT1-AUX	Fixed	Screen	0.5	2442	19.69	20.0	0.351	1.07	0.377	1.60
11	802.11b	ANT1-AUX	Fixed	Screen	0.5	2457	19.86	20.0	0.341	1.03	0.352	1.60
33	802.11b	ANT1-AUX	Fixed	Bottom	0	2442	19.69	20.0	0.041	1.07	0.044	1.60
8	802.11b	ANT2-Main	Fixed	Screen	0.5	2442	19.66	20.0	0.861	1.08	0.931	1.60
12	802.11b	ANT2-Main	Fixed	Screen	0.5	2457	19.91	20.0	0.796	1.02	0.813	1.60
34	802.11b	ANT2-Main	Fixed	Bottom	0	2442	19.66	20.0	0.093	1.08	0.101	1.60

	Liquid Temperature : 21.0℃ Depth of Liquid: >15cm Test Mode: BT											
Plot No.	Mode	Antenna	Antenna Position	Test Position: Body	Separation Distance (cm)	Frequency	Conducte d Power (dBm)	Maximum Tune-up (dBm)	SAR 1g (W/kg)	Scale Factor	Scale SAR	Limit (W/kg)
9	GFSK	ANT1-AUX	Fixed	Screen	0.5	2441	9.52	10.0	0.014	1.12	0.016	1.60
35	GFSK	ANT1-AUX	Fixed	Bottom	0	2441	9.52	10.0	0.00184	1.12	0.002	1.60

Liqui	d Temperat	ure: 20.0~21.	.0°℃				Depth	of Liquid:>	15cm			
Test	Mode: WL	AN 5GHz										
Plot No.	Mode	Antenna	Antenna Position	Test Position: Body	Separation Distance (cm)	Frequency	Conducte d Power (dBm)	Maximum Tune-up (dBm)	SAR 1g (W/kg)	Scale Factor	Scale SAR	Limit (W/kg)
1	802.11a	ANT1-AUX	Fixed	Screen	0.5	5260	18.90	19.0	0.411	1.02	0.421	1.60
3	802.11a	ANT1-AUX	Fixed	Screen	0.5	5500	18.68	19.0	0.795	1.08	0.856	1.60
5	802.11a	ANT1-AUX	Fixed	Screen	0.5	5785	18.23	18.5	0.789	1.06	0.840	1.60
31	802.11a	ANT1-AUX	Fixed	Bottom	0	5500	18.68	19.0	0.117	1.08	0.126	1.60
2	802.11a	ANT2-Main	Fixed	Screen	0.5	5260	19.10	19.5	0.249	1.10	0.273	1.60
4	802.11a	ANT2-Main	Fixed	Screen	0.5	5500	18.01	18.5	0.032	1.12	0.036	1.60
6	802.11a	ANT2-Main	Fixed	Screen	0.5	5785	18.15	18.5	0.093	1.08	0.101	1.60
32	802.11a	ANT2-Main	Fixed	Bottom	0	5500	18.01	18.5	0.026	1.12	0.029	1.60





Repeated SAR measurement

Test Date	2021/09/29	Temp./Hum.	22°C/46%							
Test Voltage	AC 120V, 60Hz (with AC Adapter)	Tested by	Brian Hsieh							
Test SKU	SKU #1 (with	SKU #1 (with INPAQ Antenna)								

I	Plot No.	Mode	Antenna	Antenna Position	Test Position: Body	Separation Distance (cm)	Frequency	SAR 1g (W/kg)	Variation	Additional repeat SAR required
8	original	802.11b	ANT2-Main	Fixed	Screen	0.5	2442	0.861		Yes Note 1
*21	first repeat	802.11b	ANT2-Main	Fixed	Screen	0.5	2442	0.878	1.02	No Note 2

Remark: *: It means repeated SAR measurement.

Note: 1. Pursuant section 2.8.1(2) KDB 865664 D01, when the original highest measured SAR is \geq 0.80 W/kg, repeat that measurement once.

2. Pursuant section 2.8.1(3) KDB 865664 D01, perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit)

File Number: C1M2109047 Report Number: EM-SR210057



Test Date	2021/09/26~29	Temp./Hum.	22°C/44~48%						
Test Voltage	AC 120V, 60Hz (with AC Adapter)	Tested by	Brian Hsieh						
Test SKU	SKU #2 (with LUXSHARE-ICT Antenna)								

		ure : 21.0°C			Depth of Liquid: >15cm							
Test Mode: WLAN 2.4GHz												
Plot No.	Mode	Antenna	Antenna Position	Test Position: Body	Separation Distance (cm)	Frequency	Conducte d Power (dBm)	Maximum Tune-up (dBm)	SAR 1g (W/kg)	Scale Factor	Scale SAR	Limit (W/kg)
7	802.11b	ANT1-AUX	Fixed	Screen	0.5	2442	19.69	20.0	0.352	1.07	0.378	1.60
17	802.11b	ANT1-AUX	Fixed	Screen	0.5	2457	19.86	20.0	0.357	1.03	0.369	1.60
33	802.11b	ANT1-AUX	Fixed	Bottom	0	2442	19.69	20.0	0.042	1.07	0.045	1.60
8	802.11b	ANT2-Main	Fixed	Screen	0.5	2442	19.66	20.0	0.869	1.08	0.940	1.60
18	802.11b	ANT2-Main	Fixed	Screen	0.5	2457	19.91	20.0	0.781	1.02	0.797	1.60
34	802.11b	ANT2-Main	Fixed	Bottom	0	2442	19.66	20.0	0.195	1.08	0.211	1.60

Liquid Temperature : 21.0°C Depth of Liquid: > 15cm Test Mode: BT												
Plot No.	I Mode I Antenna I I Position: I Distance Herequency I d Power I Tune-up I								Scale SAR	Limit (W/kg)		
9	GFSK	ANT1-AUX	Fixed	Screen	0.5	2441	9.52	10.0	0.016	1.12	0.018	1.60
35	GFSK	ANT1-AUX	Fixed	Bottom	0	2441	9.52	10.0	0.00134	1.12	0.001	1.60

	-	ure : 21.0°C				Depth of Liquid: >15cm						
Plot No.	Mode: WL Mode	Antenna	Antenna Position	Test Position: Body	Separation Distance (cm)	Frequency	Conducte d Power (dBm)	Maximum Tune-up (dBm)	SAR 1g (W/kg)	Scale Factor	Scale SAR	Limit (W/kg)
1	802.11a	ANT1-AUX	Fixed	Screen	0.5	5260	18.90	19.0	0.731	1.02	0.748	1.60
3	802.11a	ANT1-AUX	Fixed	Screen	0.5	5500	18.68	19.0	1.150	1.08	1.238	1.60
11	802.11a	ANT1-AUX	Fixed	Screen	0.5	5580	18.47	18.5	1.040	1.01	1.047	1.60
15	802.11a	ANT1-AUX	Fixed	Screen	0.5	5745	18.13	18.5	0.945	1.09	1.029	1.60
5	802.11a	ANT1-AUX	Fixed	Screen	0.5	5785	18.23	18.5	0.985	1.06	1.048	1.60
31	802.11a	ANT1-AUX	Fixed	Bottom	0	5500	18.68	19.0	0.129	1.08	0.139	1.60
2	802.11a	ANT2-Main	Fixed	Screen	0.5	5260	19.10	19.5	0.730	1.10	0.800	1.60
4	802.11a	ANT2-Main	Fixed	Screen	0.5	5500	18.01	18.5	0.614	1.12	0.687	1.60
12	802.11a	ANT2-Main	Fixed	Screen	0.5	5580	18.60	19.0	0.536	1.10	0.588	1.60
16	802.11a	ANT2-Main	Fixed	Screen	0.5	5745	18.15	18.5	0.522	1.08	0.566	1.60
6	802.11a	ANT2-Main	Fixed	Screen	0.5	5785	17.66	18.0	0.500	1.08	0.541	1.60
32	802.11a	ANT2-Main	Fixed	Bottom	0	5500	18.01	18.5	0.188	1.12	0.210	1.60





Repeated SAR measurement

Test Date	2021. 08. 09 ~ 16	Temp./Hum.	21~22°C/46~51%						
Test Voltage	AC 120V, 60Hz	Tested by Brian Hsieh							
Test mode	SKU #2 (with LUXSHARE-ICT Antenna)								

	Plot No.	Mode	Antenna	Antenna Position	Test Position: Body	Separation Distance (cm)	Frequency	SAR 1g (W/kg)	Variation	Additional repeat SAR required
8	original	802.11b	ANT2-Main	Fixed	Screen	0.5	2442	0.869		Yes Note 1
*23	first repeat	802.11b	ANT2-Main	Fixed	Screen	0.5	2442	0.862	0.99	No Note 2
3	original	802.11a	ANT1-AUX	Fixed	Screen	0.5	5500	1.150		Yes Note 1
*21	first repeat	802.11a	ANT1-AUX	Fixed	Screen	0.5	5500	1.270	1.10	No Note 2
11	original	802.11a	ANT1-AUX	Fixed	Screen	0.5	5580	1.040		Yes Note 1
*24	first repeat	802.11a	ANT1-AUX	Fixed	Screen	0.5	5580	1.030	0.99	No Note 2
15	original	802.11a	ANT1-AUX	Fixed	Screen	0.5	5745	0.945		Yes Note 1
*25	first repeat	802.11a	ANT1-AUX	Fixed	Screen	0.5	5745	0.941	1.00	No Note 2
5	original	802.11a	ANT1-AUX	Fixed	Screen	0.5	5785	0.985		Yes Note 1
*22	first repeat	802.11a	ANT1-AUX	Fixed	Screen	0.5	5785	0.979	0.99	No Note 2

Remark: *: It means repeated SAR measurement.

- Note: 1. Pursuant section 2.8.1(2) KDB 865664 D01, when the original highest measured SAR is \geq 0.80 W/kg, repeat that measurement once.
 - 2. Pursuant section 2.8.1(3) KDB 865664 D01, perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit)



Report Number: EM-SR210057

APPENDIX A

GRAPH RESULT

(Model: 14Z95P)



Test SKU: SKU #1 (with INPAQ Antenna)

Test Mode: WLAN 2.4GHz

Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P7 802.11b CH7 2442MHz ant1 Screen

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2442 MHz; Duty Cycle:1:1 Medium parameters used: f = 2442 MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 38.711$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2442 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.339 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.7180 V/m; Power Drift = 0.86 dB

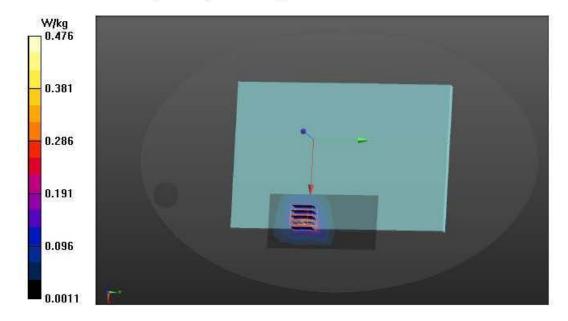
Peak SAR (extrapolated) = 0.697 W/kg

SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.166 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 51%

Maximum value of SAR (measured) = 0.476 W/kg



File Number: C1M2109047 Report Number: EM-SR210057



Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P11 802.11b CH10 2457MHz ant1 Screen

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2457 MHz;Duty Cycle:1:1 Medium parameters used: f = 2452 MHz; $\sigma = 1.887$ S/m; $\epsilon_r = 38.665$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2457 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.464 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

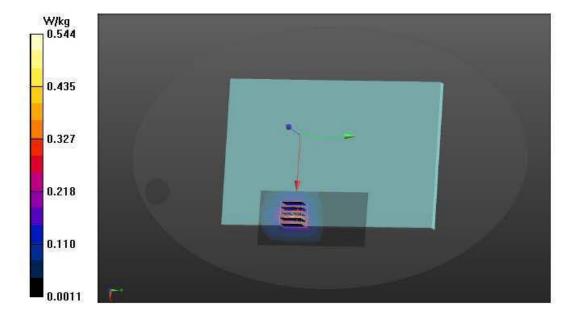
Reference Value = 1.541 V/m; Power Drift = 1.17 dB

Peak SAR (extrapolated) = 0.851 W/kg

SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.136 W/kg

Smallest distance from peaks to all points 3 dB below = 10.9 mm

Ratio of SAR at M2 to SAR at M1 = 55.4% Maximum value of SAR (measured) = 0.544 W/kg





Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P33 802.11b CH7 2442MHz ant1 Bottom

DUT: 14Z95P(INPAQ)

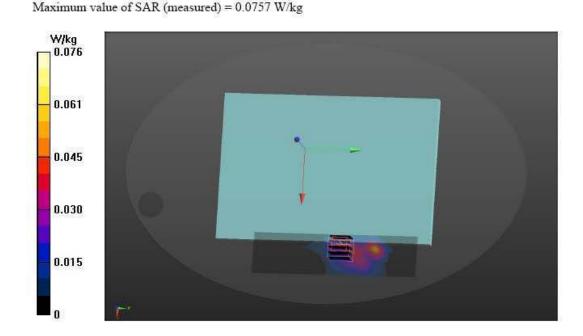
Communication System: UID 0, WIFI B (0); Frequency: 2442 MHz; Duty Cycle:1:1 Medium parameters used: f = 2442 MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 38.711$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2442 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (4x13x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.0556 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 0.4482 V/m; Power Drift = 0.22 dB Peak SAR (extrapolated) = 0.113 W/kg SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.015 W/kg Smallest distance from peaks to all points 3 dB below: Larger than measurement grid Ratio of SAR at M2 to SAR at M1 = 43.8%





Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P8 802.11b CH7 2442MHz ant2 Screen

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2442 MHz; Duty Cycle:1:1 Medium parameters used: f = 2442 MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 38.711$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2442 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.885 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

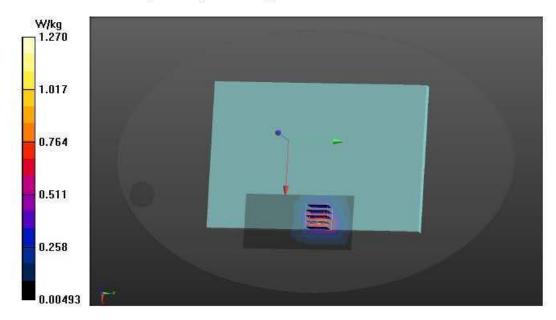
Reference Value = 3.961 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.861 W/kg; SAR(10 g) = 0.420 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 52.4% Maximum value of SAR (measured) = 1.27 W/kg





Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P12 802.11b CH10 2457MHz ant2 Screen

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2457 MHz;Duty Cycle:1:1 Medium parameters used: f = 2457 MHz; $\sigma = 3.287$ S/m; $\epsilon_r = 38.665$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2457 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 1.20 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.519 V/m; Power Drift = -1.19 dB

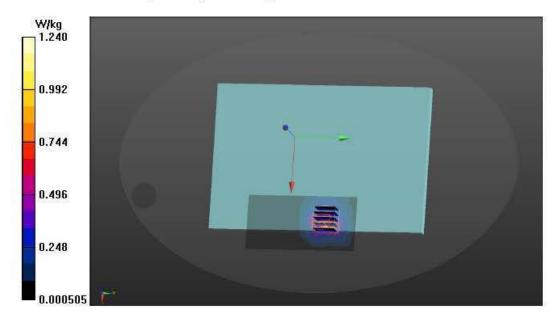
Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.796 W/kg; SAR(10 g) = 0.411 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 56%

Maximum value of SAR (measured) = 1.24 W/kg





Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P34 802.11b CH7 2442MHz ant2 Bottom

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI B (0); Frequency: 2442 MHz; Duty Cycle:1:1 Medium parameters used: f = 2442 MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 38.711$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2442 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (4x13x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.120 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

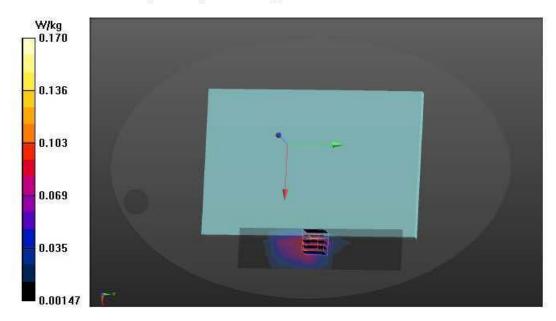
Reference Value = 0.5922 V/m; Power Drift = 0.48 dB

Peak SAR (extrapolated) = 0.263 W/kg

SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.041 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 42.7% Maximum value of SAR (measured) = 0.170 W/kg





Test Mode: BT

Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P9 GFSK CH7 2441MHz Screen

DUT: 14Z95P(INPAQ)

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle:1:1.3 Medium parameters used: f = 2441 MHz; σ = 1.868 S/m; ϵ_r = 38.714; ρ = 1000 kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2441 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.0147 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.4652 V/m; Power Drift = 0.80 dB

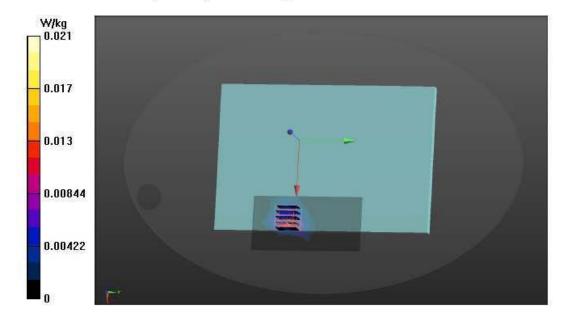
Peak SAR (extrapolated) = 0.0320 W/kg

SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00663 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 43.2%

Maximum value of SAR (measured) = 0.0211 W/kg





Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P35 GFSK CH39 2441MHz Bottom

DUT: 14Z95P(INPAQ)

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle:1:1.3 Medium parameters used: f = 2441 MHz; $\sigma = 1.868$ S/m; $\epsilon_r = 38.714$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2441 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.00242 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.2894 V/m; Power Drift = 0.14 dB

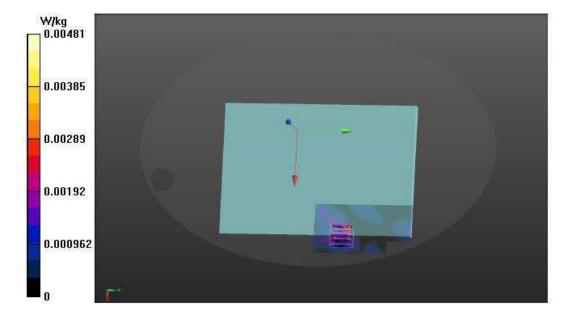
Peak SAR (extrapolated) = 0.00319 W/kg

SAR(1 g) = 0.00184 W/kg; SAR(10 g) = 0.000513 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 47.9%

Maximum value of SAR (measured) = 0.00481 W/kg





Test Mode: WLAN 5GHz

Page 1 of 1

Date: 9/26/2021

Test Laboratory: Audix SAR Lab

P1 802.11a CH52 5260MHz ant1 Screen

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5260 MHz; Duty Cycle:1:1 Medium parameters used: f = 5260 MHz; $\sigma = 4.608$ S/m; $\epsilon_r = 36.643$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.56, 4.56, 4.56) @ 5260 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x31x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.580 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

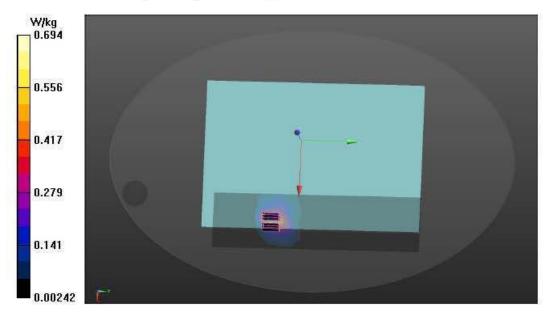
Reference Value = 0.4970 V/m; Power Drift = 0.26 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.180 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 63.8% Maximum value of SAR (measured) = 0.694 W/kg



Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix SAR Lab

P3 802.11a CH100 5500MHz ant1 Screen

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5500 MHz;Duty Cycle:1:1 Medium parameters used: f = 5500 MHz; $\sigma = 4.885$ S/m; $\epsilon_r = 36.284$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

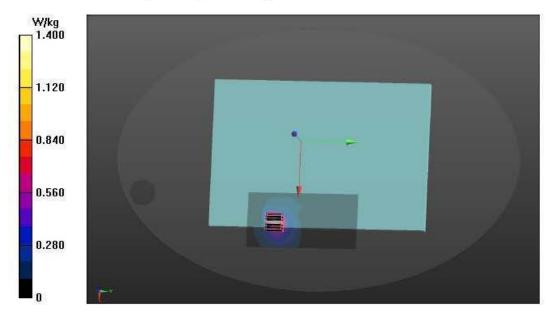
- Probe: EX3DV4 SN3753; ConvF(4.42, 4.42, 4.42) @ 5500 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.11 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 0.7770 V/m; Power Drift = 0.42 dB Peak SAR (extrapolated) = 3.00 W/kg SAR(1 g) = 0.795 W/kg; SAR(10 g) = 0.306 W/kg Smallest distance from peaks to all points 3 dB below = 6.4 mm

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 57% Maximum value of SAR (measured) = 1.40 W/kg





Page 1 of 1

Date: 9/27/2021

Test Laboratory: Audix SAR Lab

P5 802.11a CH157 5785MHz ant1 Screen

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5785 MHz; Duty Cycle:1:1 Medium parameters used: f = 5785 MHz; $\sigma = 5.209$ S/m; $\epsilon_r = 35.802$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.65, 4.65, 4.65) @ 5785 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.53 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

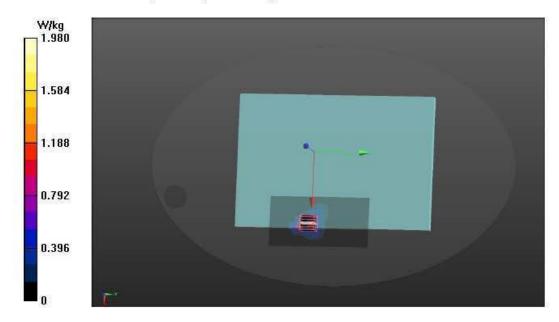
Reference Value = 0.9070 V/m; Power Drift = 1.23 dB

Peak SAR (extrapolated) = 5.06 W/kg

SAR(1 g) = 0.789 W/kg; SAR(10 g) = 0.295 W/kg

Smallest distance from peaks to all points 3 dB below = 2.9 mm

Ratio of SAR at M2 to SAR at M1 = 48.8% Maximum value of SAR (measured) = 1.98 W/kg



Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix SAR Lab

P31 802.11a CH100 5500MHz ant1 Bottom

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5500 MHz; Duty Cycle:1:1 Medium parameters used: f = 5500 MHz; $\sigma = 4.885$ S/m; $\epsilon_r = 36.284$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.42, 4.42, 4.42) @ 5500 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (7x25x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.140 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

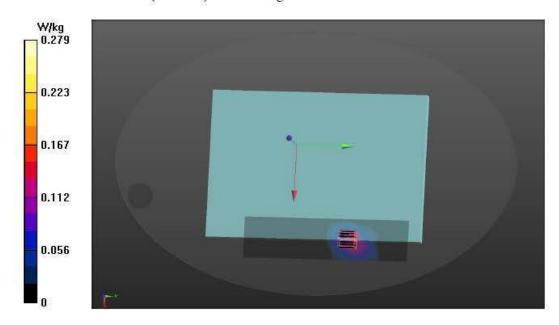
Reference Value = 0.6544 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.473 W/kg

SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.035 W/kg

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 43.1% Maximum value of SAR (measured) = 0.279 W/kg





Page 1 of 1

Date: 9/26/2021

Test Laboratory: Audix SAR Lab

P2 802.11a CH52 5260MHz ant2 Screen

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5260 MHz; Duty Cycle:1:1 Medium parameters used: f = 5260 MHz; $\sigma = 4.608$ S/m; $\epsilon_r = 36.643$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.56, 4.56, 4.56) @ 5260 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x31x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.270 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

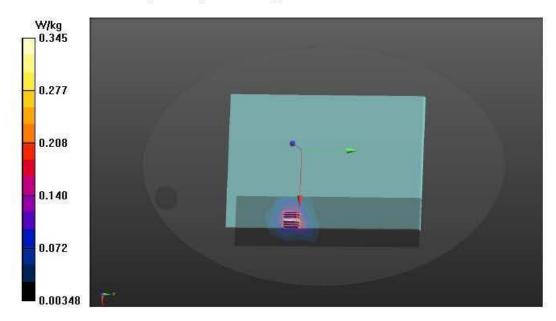
Reference Value = 0.5770 V/m; Power Drift = 0.94 dB

Peak SAR (extrapolated) = 0.436 W/kg

SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.125 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 83.2% Maximum value of SAR (measured) = 0.345 W/kg



Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix SAR Lab

P4 802.11a CH100 5500MHz ant2 Screen

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5500 MHz; Duty Cycle:1:1 Medium parameters used: f = 5500 MHz; $\sigma = 4.885$ S/m; $\epsilon_r = 36.284$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.42, 4.42, 4.42) @ 5500 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.103 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 0.6510 V/m; Power Drift = 0.23 dB

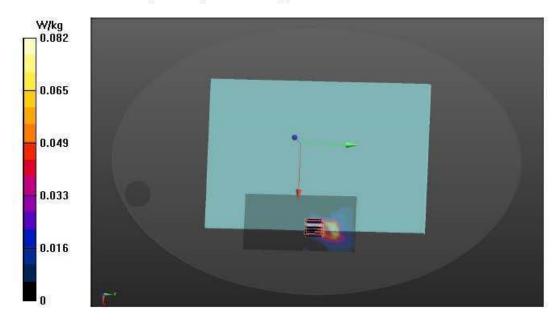
Peak SAR (extrapolated) = 0.219 W/kg

SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.0082 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 48.7%

Maximum value of SAR (measured) = 0.0818 W/kg





Page 1 of 1

Date: 9/27/2021

Test Laboratory: Audix SAR Lab

P6 802.11a CH157 5785MHz ant2 Screen

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5785 MHz; Duty Cycle:1:1 Medium parameters used: f = 5785 MHz; $\sigma = 5.209$ S/m; $\epsilon_r = 35.802$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.65, 4.65, 4.65) @ 5785 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.236 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

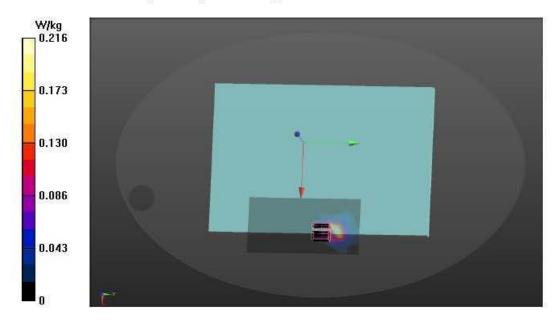
Reference Value = 0.6010 V/m; Power Drift = 1.23 dB

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.027 W/kg

Smallest distance from peaks to all points 3 dB below = 4.3 mm

Ratio of SAR at M2 to SAR at M1 = 47.8% Maximum value of SAR (measured) = 0.216 W/kg



Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix SAR Lab

P32 802.11a CH100 5500MHz ant2 Bottom

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5500 MHz;Duty Cycle:1:1 Medium parameters used: f = 5500 MHz; $\sigma = 4.885$ S/m; $\epsilon_r = 36.284$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.42, 4.42, 4.42) @ 5500 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (7x25x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.0383 W/kg

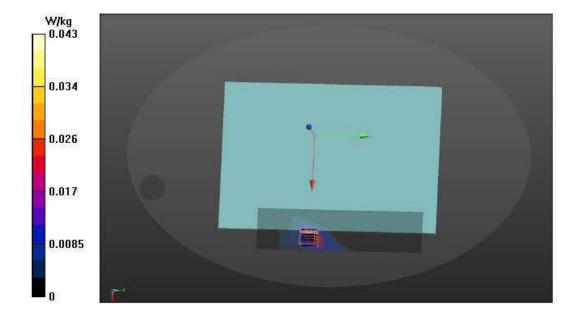
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 0.6233 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.126 W/kg

SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.00587 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid Ratio of SAR at M2 to SAR at M1 = 38%

Maximum value of SAR (measured) = 0.0425 W/kg



Repeated SAR measurement of Test SKU: SKU #1 (with INPAQ Antenna)

Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P21 802.11b CH7 2442MHz ant2 Screen

DUT: 14Z95P(INPAQ)

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2442 MHz; Duty Cycle:1:1 Medium parameters used: f = 2442 MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 38.711$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2442 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.905 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

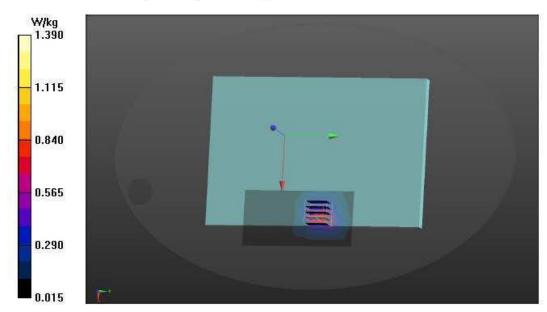
Reference Value = 3.452 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.88 W/kg

SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.432 W/kg

Smallest distance from peaks to all points 3 dB below = 9.9 mm

Ratio of SAR at M2 to SAR at M1 = 53.9% Maximum value of SAR (measured) = 1.39 W/kg



File Number: C1M2109047 Report Number: EM-SR210057



Test SKU: SKU #2 (with LUXSHARE-ICT Antenna)

Test Mode: WLAN 2.4GHz

Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P7 802.11b CH7 2442MHz ant1 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2442 MHz;Duty Cycle:1:1 Medium parameters used: f = 2442 MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 38.711$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2442 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.337 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.080 V/m; Power Drift = 0.31 dB

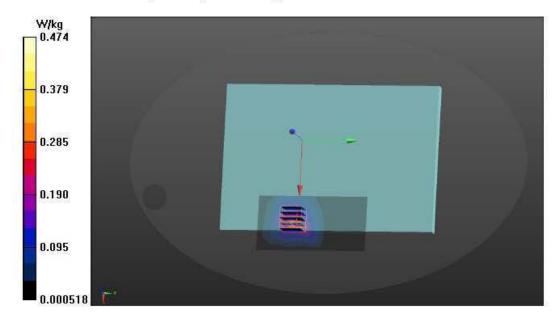
Peak SAR (extrapolated) = 0.696 W/kg

SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.167 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 51%

Maximum value of SAR (measured) = 0.474 W/kg



File Number: C1M2109047 Report Number: EM-SR210057

Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P17 802.11b CH10 2457MHz ant1 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2457 MHz; Duty Cycle:1:1 Medium parameters used: f = 2457 MHz; $\sigma = 1.887$ S/m; $\epsilon_r = 38.665$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

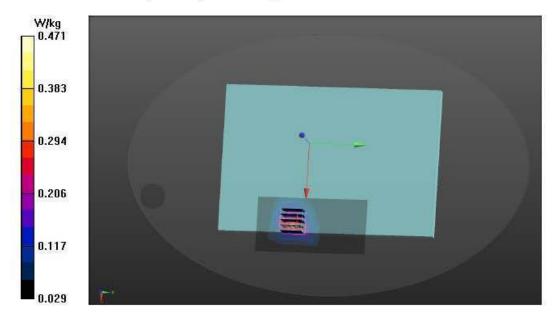
DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2457 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.332 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 1.174 V/m; Power Drift = 0.11 dB Peak SAR (extrapolated) = 0.687 W/kg SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.169 W/kg Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 53.9%Maximum value of SAR (measured) = 0.471 W/kg





Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P33 802.11b CH7 2442MHz ant1 Bottom

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI B (0); Frequency: 2442 MHz; Duty Cycle:1:1 Medium parameters used: f = 2442 MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 38.711$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2442 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

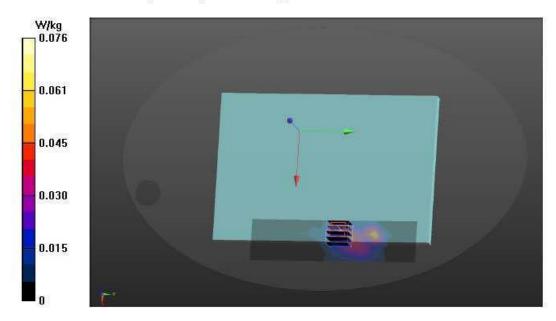
Area Scan (4x13x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.0576 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 1.268 V/m; Power Drift = 0.28 dB Peak SAR (extrapolated) = 0.113 W/kg SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.015 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 42.1%

Maximum value of SAR (measured) = 0.0757 W/kg





Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P8 802.11b CH7 2442MHz ant2 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2442 MHz; Duty Cycle:1:1 Medium parameters used: f = 2442 MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 38.711$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

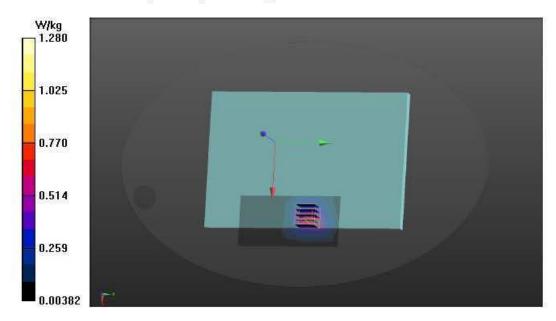
- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2442 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.881 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 4.034 V/m; Power Drift = 0.19 dB Peak SAR (extrapolated) = 1.68 W/kg SAR(1 g) = 0.869 W/kg; SAR(10 g) = 0.423 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 53.4% Maximum value of SAR (measured) = 1.28 W/kg





Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P18 802.11b CH10 2457MHz ant2 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2457 MHz; Duty Cycle:1:1 Medium parameters used: f = 2457 MHz; $\sigma = 1.887$ S/m; $\epsilon_r = 38.665$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2457 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.903 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

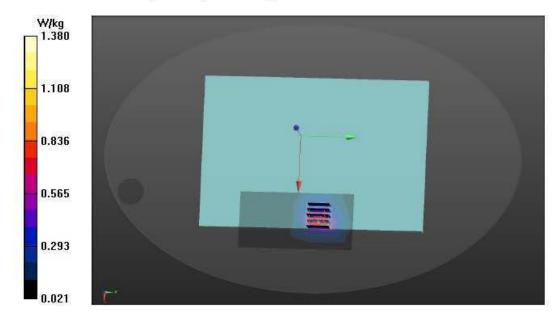
Reference Value = 1.124 V/m; Power Drift = 1.14 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.781 W/kg; SAR(10 g) = 0.329 W/kg

Smallest distance from peaks to all points 3 dB below = 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 53.7% Maximum value of SAR (measured) = 1.38 W/kg



File Number: C1M2109047



Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P34 802.11b CH7 2442MHz ant2 Bottom

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI B (0); Frequency: 2442 MHz; Duty Cycle:1:1 Medium parameters used: f = 2442 MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 38.711$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2442 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (4x13x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.226 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

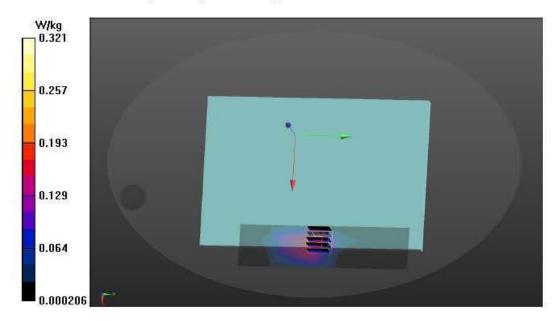
Reference Value = 1.028 V/m; Power Drift = 0.84 dB

Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.083 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 44.7% Maximum value of SAR (measured) = 0.321 W/kg





Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P9 GFSK CH39 2441MHz Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle:1:1.3 Medium parameters used: f = 2441 MHz; $\sigma = 1.868$ S/m; $\epsilon_r = 38.714$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2441 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.0158 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.6265 V/m; Power Drift = 0.09 dB

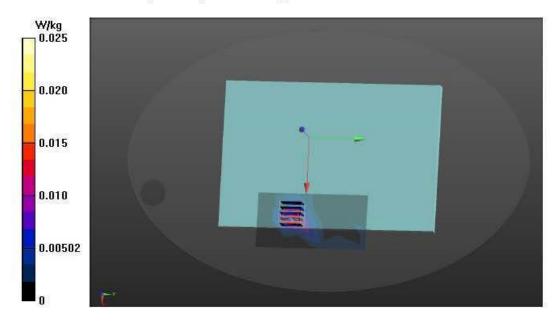
Peak SAR (extrapolated) = 0.0330 W/kg

SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00727 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 49.5%

Maximum value of SAR (measured) = 0.0251 W/kg





Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P35 GFSK CH39 2441MHz Bottom

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle:1:1.3 Medium parameters used: f = 2441 MHz; $\sigma = 1.868$ S/m; $\epsilon_r = 38.714$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

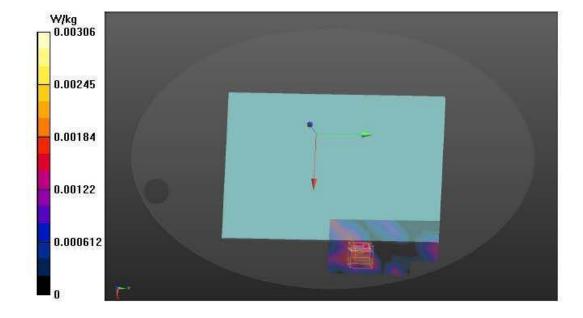
- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2441 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021

Maximum value of SAR (measured) = 0.00306 W/kg

- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 0.00242 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 0.2661 V/m; Power Drift = 0.84 dB Peak SAR (extrapolated) = 0.00319 W/kg SAR(1 g) = 0.00134 W/kg; SAR(10 g) = 0.000473 W/kg Smallest distance from peaks to all points 3 dB below: Larger than measurement grid Ratio of SAR at M2 to SAR at M1 = 44.1%



Test Mode: BT

Page 1 of 1

Date: 9/26/2021

Test Laboratory: Audix SAR Lab

P1 802.11a CH52 5260MHz ant1 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5260 MHz; Duty Cycle:1:1 Medium parameters used: f = 5260 MHz; $\sigma = 4.608$ S/m; $\epsilon_r = 36.643$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.56, 4.56, 4.56) @ 5260 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.28 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

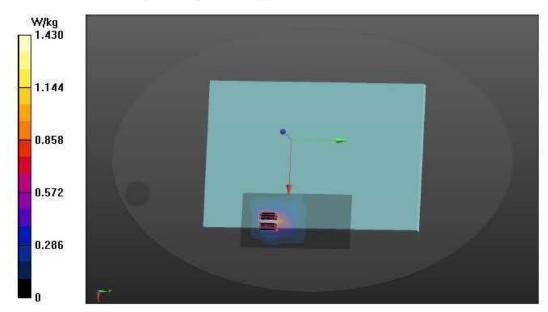
Reference Value = 1.576 V/m; Power Drift = 1.26 dB

Peak SAR (extrapolated) = 2.69 W/kg

SAR(1 g) = 0.731 W/kg; SAR(10 g) = 0.253 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 56.3% Maximum value of SAR (measured) = 1.43 W/kg





Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix SAR Lab

P3 802.11a CH100 5500MHz ant1 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5500 MHz;Duty Cycle:1:1 Medium parameters used: f = 5500 MHz; $\sigma = 4.885$ S/m; $\epsilon_r = 36.284$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.42, 4.42, 4.42) @ 5500 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.93 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

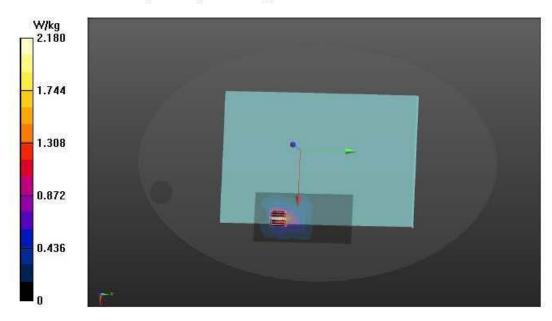
Reference Value = 1.326 V/m; Power Drift = 1.50 dB

Peak SAR (extrapolated) = 4.32 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.397 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 56% Maximum value of SAR (measured) = 2.18 W/kg





Test Mode: WLAN 5GHz

Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix SAR Lab

P11 802.11a CH116 5580MHz ant1 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5580 MHz;Duty Cycle:1:1 Medium parameters used: f = 5580 MHz; σ = 4.977 S/m; ϵ_r = 36.147; ρ = 1000 kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.42, 4.42, 4.42) @ 5580 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 2.01 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

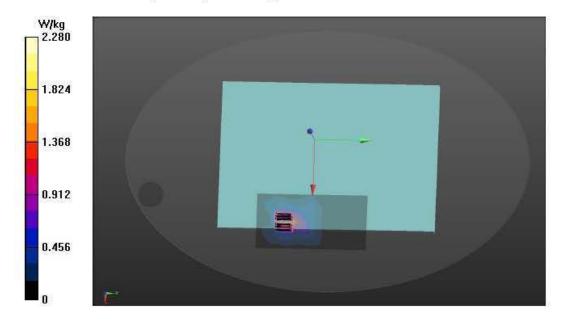
Reference Value = 1.853 V/m; Power Drift = 1.04 dB

Peak SAR (extrapolated) = 4.15 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.381 W/kg

Smallest distance from peaks to all points 3 dB below = 6.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.5% Maximum value of SAR (measured) = 2.28 W/kg





Page 1 of 1

Date: 9/27/2021

Test Laboratory: Audix SAR Lab

P15 802.11a CH149 5745MHz ant1 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5745 MHz;Duty Cycle:1:1 Medium parameters used: f = 5745 MHz; $\sigma = 5.162$ S/m; $\epsilon_r = 35.855$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.65, 4.65, 4.65) @ 5745 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.41 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

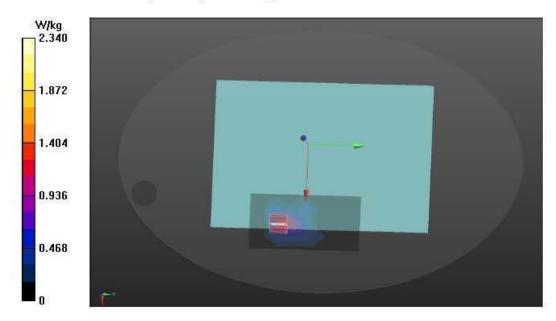
Reference Value = 1.043 V/m; Power Drift = 0.92 dB

Peak SAR (extrapolated) = 4.66 W/kg

SAR(1 g) = 0.945 W/kg; SAR(10 g) = 0.366 W/kg

Smallest distance from peaks to all points 3 dB below = 6.6 mm

Ratio of SAR at M2 to SAR at M1 = 53.9% Maximum value of SAR (measured) = 2.34 W/kg





Page 1 of 1

Date: 9/27/2021

Test Laboratory: Audix SAR Lab

P5 802.11a CH157 5785MHz ant1 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5785 MHz;Duty Cycle:1:1 Medium parameters used: f = 5785 MHz; $\sigma = 5.209$ S/m; $\epsilon_r = 35.802$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.65, 4.65, 4.65) @ 5785 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.53 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

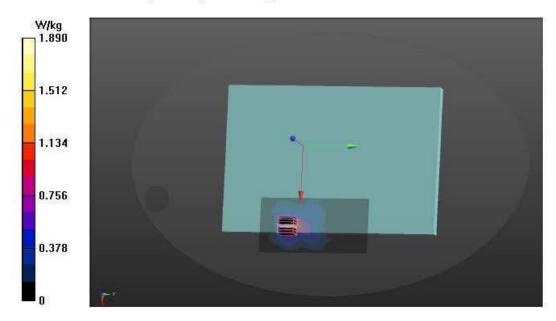
Reference Value = 1.557 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.89 W/kg

SAR(1 g) = 0.985 W/kg; SAR(10 g) = 0.346 W/kg

Smallest distance from peaks to all points 3 dB below = 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 53.4% Maximum value of SAR (measured) = 1.89 W/kg





Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix SAR Lab

P31 802.11a CH100 5500MHz ant1 Bottom

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5500 MHz;Duty Cycle:1:1 Medium parameters used: f = 5500 MHz; $\sigma = 4.885$ S/m; $\epsilon_r = 36.284$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.42, 4.42, 4.42) @ 5500 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

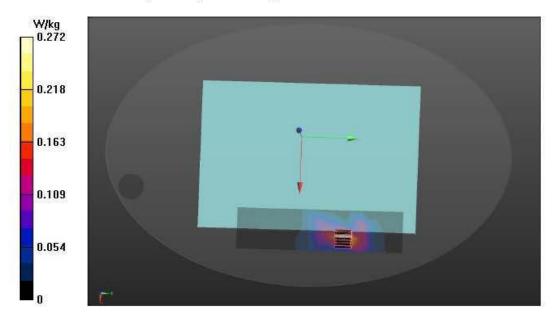
Area Scan (7x25x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.234 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 0 V/m; Power Drift = 1.05 dB

Peak SAR (extrapolated) = 0.528 W/kgSAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.040 W/kg

Smallest distance from peaks to all points 3 dB below = 9.9 mm

Ratio of SAR at M2 to SAR at M1 = 42.7% Maximum value of SAR (measured) = 0.272 W/kg



File Number: C1M2109047



Page 1 of 1

Date: 9/26/2021

Test Laboratory: Audix SAR Lab

P2 802.11a CH52 5260MHz ant2 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5260 MHz;Duty Cycle:1:1 Medium parameters used: f = 5260 MHz; $\sigma = 4.608$ S/m; $\epsilon_r = 36.643$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

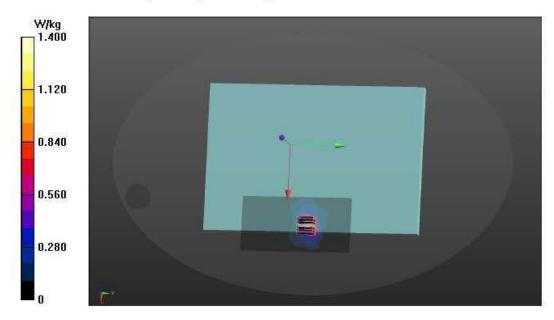
- Probe: EX3DV4 SN3753; ConvF(4.56, 4.56, 4.56) @ 5260 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.30 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 0.6280 V/m; Power Drift = 1.52 dB Peak SAR (extrapolated) = 2.49 W/kg SAR(1 g) = 0.730 W/kg; SAR(10 g) = 0.258 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 58.6% Maximum value of SAR (measured) = 1.40 W/kg





Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix SAR Lab

P4 802.11a CH100 5500MHz ant2 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5500 MHz;Duty Cycle:1:1 Medium parameters used: f = 5500 MHz; $\sigma = 4.885$ S/m; $\epsilon_r = 36.284$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.42, 4.42, 4.42) @ 5500 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.07 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

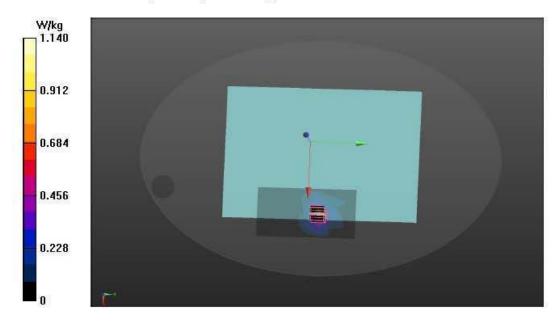
Reference Value = 1.266 V/m; Power Drift = 1.15 dB

Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.224 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 52.5% Maximum value of SAR (measured) = 1.14 W/kg



File Number: C1M2109047



Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix SAR Lab

P12 802.11a CH116 5580MHz ant2 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5580 MHz;Duty Cycle:1:1 Medium parameters used: f = 5580 MHz; σ = 4.977 S/m; ϵ_r = 36.147; ρ = 1000 kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.42, 4.42, 4.42) @ 5580 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.18 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

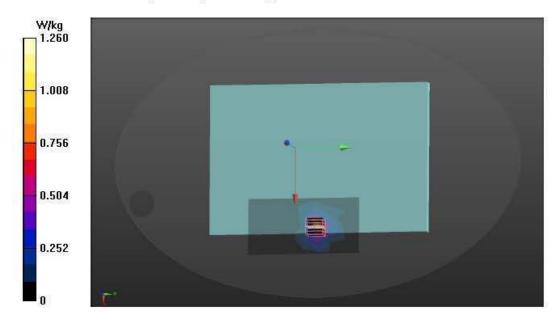
Reference Value = 1.262 V/m; Power Drift = 1.23 dB

Peak SAR (extrapolated) = 2.38 W/kg

SAR(1 g) = 0.536 W/kg; SAR(10 g) = 0.211 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 52.4% Maximum value of SAR (measured) = 1.26 W/kg



Page 1 of 1

Date: 9/27/2021

Test Laboratory: Audix SAR Lab

P16 802.11a CH149 5745MHz ant2 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5745 MHz;Duty Cycle:1:1 Medium parameters used: f = 5745 MHz; $\sigma = 5.162$ S/m; $\epsilon_r = 35.855$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.65, 4.65, 4.65) @ 5745 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.785 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

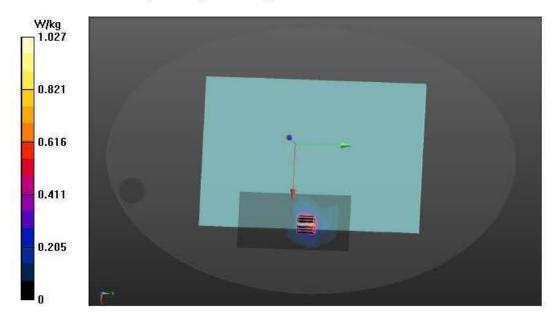
Reference Value = 0.4690 V/m; Power Drift = 1.15 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 0.522 W/kg; SAR(10 g) = 0.185 W/kg

Smallest distance from peaks to all points 3 dB below = 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 52.3% Maximum value of SAR (measured) = 1.03 W/kg





Page 1 of 1

Date: 9/27/2021

Test Laboratory: Audix SAR Lab

P6 802.11a CH157 5785MHz ant2 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5785 MHz;Duty Cycle:1:1 Medium parameters used: f = 5785 MHz; $\sigma = 5.209$ S/m; $\epsilon_r = 35.802$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.65, 4.65, 4.65) @ 5785 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.878 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

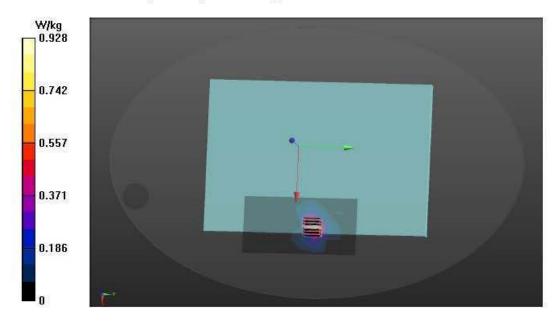
Reference Value = 0.7000 V/m; Power Drift = 1.34 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.180 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 53.4% Maximum value of SAR (measured) = 0.928 W/kg





Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix SAR Lab

P32 802.11a CH100 5500MHz ant2 Bottom

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5500 MHz;Duty Cycle:1:1 Medium parameters used: f = 5500 MHz; $\sigma = 4.885$ S/m; $\epsilon_r = 36.248$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.42, 4.42, 4.42) @ 5500 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (7x25x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.309 W/kg

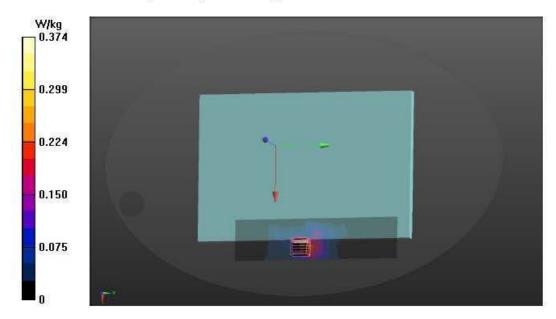
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 0.5124 V/m; Power Drift = 0.47 dB

Peak SAR (extrapolated) = 0.696 W/kg

SAR(1 g) = 0.188 W/kg; SAR(10 g) = 0.059 W/kg

Smallest distance from peaks to all points 3 dB below = 10.6 mm

Ratio of SAR at M2 to SAR at M1 = 47.5% Maximum value of SAR (measured) = 0.374 W/kg



Repeated SAR measurement of Test SKU: SKU #2 (with LUXSHARE-ICT Antenna)

Page 1 of 1

Date: 9/29/2021

Test Laboratory: Audix SAR Lab

P23 802.11b CH7 2442MHz ant2 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2442 MHz;Duty Cycle:1:1 Medium parameters used: f = 2442 MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 38.711$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(7.22, 7.22, 7.22) @ 2442 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (5x9x1): Measurement grid: dx=20mm, dy=20mm Maximum value of SAR (measured) = 1.46 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

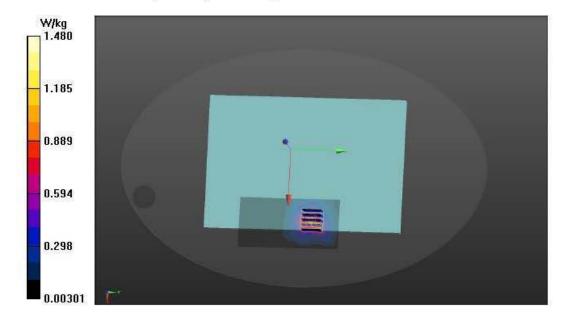
Reference Value = 1.005 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.422 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 51.3% Maximum value of SAR (measured) = 1.48 W/kg





Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix SAR Lab

P21 802.11a CH100 5500MHz ant1 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5500 MHz;Duty Cycle:1:1 Medium parameters used: f = 5500 MHz; $\sigma = 4.885$ S/m; $\epsilon_r = 36.284$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.42, 4.42, 4.42) @ 5500 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.96 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

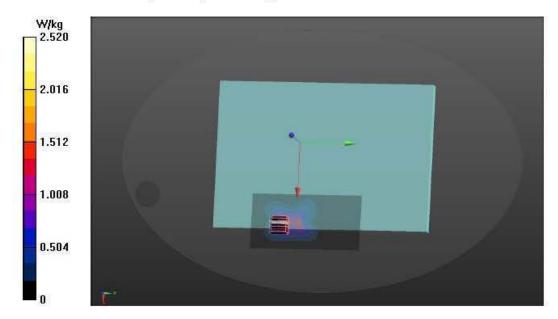
Reference Value = 1.601 V/m; Power Drift = -0.98 dB

Peak SAR (extrapolated) = 4.94 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.413 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 55.4% Maximum value of SAR (measured) = 2.52 W/kg



Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix SAR Lab

P24 802.11a CH116 5580MHz ant1 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5580 MHz;Duty Cycle:1:1 Medium parameters used: f = 5580 MHz; σ = 4.977 S/m; ϵ_r = 36.147; ρ = 1000 kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.42, 4.42, 4.42) @ 5580 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- · Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 2.06 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

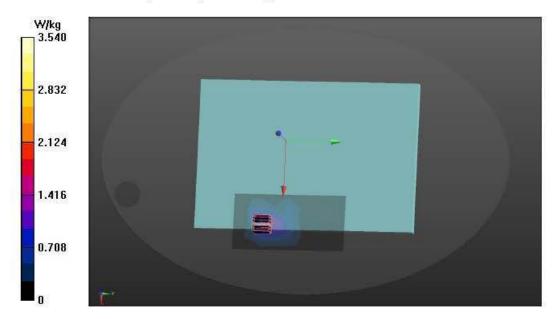
Reference Value = 1.121 V/m; Power Drift = 0.77 dB

Peak SAR (extrapolated) = 6.78 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.381 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 55.2% Maximum value of SAR (measured) = 3.54 W/kg



File Number: C1M2109047



Page 1 of 1

Date: 9/27/2021

Test Laboratory: Audix SAR Lab

P25 802.11a CH149 5745MHz ant1 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5745 MHz;Duty Cycle:1:1 Medium parameters used: f = 5745 MHz; $\sigma = 5.162$ S/m; $\epsilon_r = 35.855$; $\rho = 1000$ kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.65, 4.65, 4.65) @ 5745 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.39 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

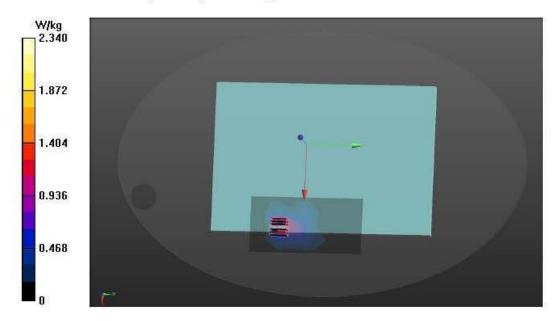
Reference Value = 0.8390 V/m; Power Drift = 0.81 dB

Peak SAR (extrapolated) = 4.62 W/kg

SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.358 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 54.3% Maximum value of SAR (measured) = 2.34 W/kg



Page 1 of 1

Date: 9/28/2021

Test Laboratory: Audix SAR Lab

P22 802.11a CH157 5785MHz ant1 Screen

DUT: 14Z95P(LUXSHARE)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5785 MHz;Duty Cycle:1:1 Medium parameters used: f = 5785 MHz; σ = 5.209 S/m; ϵ_r = 35.802; ρ = 1000 kg/m³ Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 SN3753; ConvF(4.65, 4.65, 4.65) @ 5785 MHz; Calibrated: 7/26/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn679; Calibrated: 6/1/2021
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (9x17x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.34 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.232 V/m; Power Drift = 1.09 dB

Peak SAR (extrapolated) = 4.57 W/kg

SAR(1 g) = 0.979 W/kg; SAR(10 g) = 0.392 W/kg

Smallest distance from peaks to all points 3 dB below = 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 53.8% Maximum value of SAR (measured) = 2.27 W/kg

