



**Shenzhen Global Test Service Co.,Ltd.**

No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmugu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong

**RF Exposure evaluation**

**Report Reference No.....: GTS20220723004-1-38**

**FCC ID. ....: 2AYD5-I20D01A**

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Date of issue .....: Sep.28, 2022

**Representative Laboratory Name.: Shenzhen Global Test Service Co.,Ltd.**

Address .....: No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmugu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong

**Applicant's name.....: Imin Technology Pte Ltd**

Address .....: 11 Bishan Street 21, #03-05 Bosch Building, Singapore 573943

**Test specification .....**

Standard.....: **47CFR §1.1310 Basis and purpose**  
**47CFR §2.1091 Radiofrequency radiation exposure evaluation:**  
**mobile devices**

**KDB447498 D01 General RF Exposure Guidance v06**

TRF Originator.....: Shenzhen Global Test Service Co.,Ltd.

Master TRF .....: Dated 2014-12

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**Test item description .....**

Trade Mark .....:

Manufacturer .....: Imin Technology Pte Ltd

Model/Type reference .....: I22D01

Listed Models .....: N/A

Hardware Version .....: N/A

Software Version.....: N/A

Rating .....: DC 24V/2.5A by adapter

Result .....: **PASS**

# TEST REPORT

<b>Test Report No. :</b> GTS20220723004-1-38	Sep.28, 2022
	Date of issue

Equipment under Test : POS Device

Model /Type : I22D01

Listed model : N/A

**Applicant** : **Imin Technology Pte Ltd**

Address : 11 Bishan Street 21, #03-05 Bosch Building,Singapore 573943

**Manufacturer** : **Imin Technology Pte Ltd**

Address : 11 Bishan Street 21, #03-05 Bosch Building,Singapore 573943

<b>Test Result:</b>	<b>PASS</b>
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The test report merely corresponds to the test sample.  
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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## 1. SUMMARY

### 1.1 EUT configuration


The following peripheral devices and interface cables were connected during the measurement:

● - supplied by the manufacturer

○ - supplied by the lab

● /	Length (m) :	/
	Shield :	/
	Detachable :	/

### 1.2 Product Description

Product Name	POS Device
Trade Mark	
Model/Type reference	I22D01
List Models	N/A
Model Declaration	N/A
Power supply:	DC 24V/2.5A by adapter
Sample ID	GTS20220723004-1-33-S0001-1#& GTS20220723004-1-33-S0001-2#
<b>Bluetooth</b>	
Operation frequency	2402-2480MHz
Channel Number	79 channels for Bluetooth (DSS) 40 channels for Bluetooth (DTS)
Channel Spacing	1MHz for Bluetooth (DSS) 2MHz for Bluetooth (DTS)
Modulation Type	GFSK, $\pi/4$ -DQPSK, 8DPSK for Bluetooth (DSS) GFSK for Bluetooth (DTS)
<b>WIFI(2.4G Band)</b>	
Frequency Range	2412MHz ~ 2472MHz
Channel Spacing	5MHz
Channel Number	13 Channel for 20MHz bandwidth(2412~2472MHz)
Modulation Type	802.11b: DSSS; 802.11g/n: OFDM
<b>WIFI(5.2G/5.3G/5.7G Band)</b>	
Frequency Range	5180MHz ~ 5240MHz, 5260MHz ~ 5320MHz, 5500MHz ~ 5700MHz
Channel Number	4 Channels for 20MHz bandwidth(5180-5240MHz) 4 Channels for 20MHz bandwidth(5260-5320MHz) 11 Channels for 20MHz bandwidth(5500-5700MHz) 2 channels for 40MHz bandwidth(5190~5230MHz) 2 channels for 40MHz bandwidth(5270~5310MHz) 5 Channels for 40MHz bandwidth(5510-5670MHz) 1 channels for 80MHz bandwidth(5210MHz) 1 channels for 80MHz bandwidth(5290MHz) 2 Channels for 80MHz bandwidth(5530-5610MHz)
Modulation Type	802.11a/n/ac: OFDM
<b>WIFI (5.8G Band)</b>	
Frequency Range	5745MHz ~ 5825MHz
Channel Number	5 channels for 20MHz bandwidth(5745-5825MHz) 2 channels for 40MHz bandwidth(5755~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	802.11a/n/ac: OFDM
Antenna Description	FPC Antenna, 1.83dBi(Max.) for 2.4G Band and 2.24dBi(Max.) for 5G Band
Remark:The I20D01 model has 2 versions; Version A: One large display and one small display Version B: Two large displays	

## 2. TEST ENVIRONMENT

### 2.1 Address of the test laboratory

#### Shenzhen Global Test Service Co.,Ltd.

No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmugu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong

### 2.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS (No. CNAS L8169)

Shenzhen Global Test Service Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2019 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA (Certificate No. 4758.01)

Shenzhen Global Test Service Co., Ltd. has been assessed by the American Association for Laboratory Accreditation (A2LA). Certificate No. 4758.01.

Industry Canada Registration Number. is 24189.

FCC Designation Number is CN1234.

FCC Registered Test Site Number is165725.

### 2.3 Environmental conditions

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

Temperature:	15-35 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

### 2.4 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the Shenzhen Global Test Service Co.,Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen GTS laboratory is reported:

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.57 dB	(1)

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

### 3. METHOD OF MEASUREMENT

#### 3.1 Applicable Standard

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission’s guidelines.

According to §1.1310 and §2.1091 RF exposure is calculated.

KDB447498 D01 General RF Exposure Guidance v06: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies

#### 3.2 Requirement

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission’s guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

In accordance with KDB447498 D01 General RF Exposure Guidance v06 for Simultaneous transmission MPE test exclusion applies when the sum of the MPE ratios for all simultaneous transmitting antennas incorporated in a host device, based on the calculated/estimated, numerically modeled or measured field strengths or power density, is  $\leq 1.0$ . The MPE ratio of each antenna is determined at the minimum test separation distance required by the operating configurations and exposure conditions of the host device, according to the ratio of field strengths or power density to MPE limit, at the test frequency. Either the maximum peak or spatially averaged results from measurements or numerical simulations may be used to determine the MPE ratios. Spatial averaging does not apply when MPE is estimated using simple calculations based on far-field plane-wave equivalent conditions. The antenna installation and operating requirements for the host device must meet the minimum test separation distances required by all antennas, in both standalone and simultaneous transmission operations, to satisfy compliance.

#### 3.3 Limit

Limits for Maximum Permissible Exposure (MPE)/Controlled Exposure

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm <sup>2</sup> )	Averaging Time (minute)
Limits for Occupational/Controlled Exposure				
0.3 – 3.0	614	1.63	(100) *	6
3.0 – 30	1842/f	4.89/f	(900/f <sup>2</sup> )*	6
30 – 300	61.4	0.163	1.0	6
300 – 1500	/	/	f/300	6
1500 – 100,000	/	/	5	6

Limits for Maximum Permissible Exposure (MPE)/Uncontrolled Exposure

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm <sup>2</sup> )	Averaging Time (minute)
Limits for Occupational/Controlled Exposure				
0.3 – 3.0	614	1.63	(100) *	30
3.0 – 30	824/f	2.19/f	(180/f <sup>2</sup> )*	30
30 – 300	27.5	0.073	0.2	30
300 – 1500	/	/	f/1500	30
1500 – 100,000	/	/	1.0	30

F=frequency in MHz

\*=Plane-wave equivalent power density

### 3.4 MPE Calculation Method

Predication of MPE limit at a given distance  
 Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2}$$

Where: S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna

As declared by the Applicant, the EUT transmits with the maximum soure-baed Duty Cycle of 100%-see the User manual, and the EUT is a wireless device used in a mobile application, at least 20 cm from any body part of the user or nearby persons; from the maximum EUT RF output power, the minimum mobile separation distance, r =20cm, as well as the gain of the used antenna is 1.83&2.24dBi for BT&WLAN, and the power drift from Turn-up Procedure provide by manufacturer as following states, the RF power density can be obtained.

### 3.5 Antenna Information

I22D01 can only use antennas certificated as follows provided by manufacturer;

Internal Identification	Antenna Identification in Internal photos	Antenna type and antenna number	Operate frequency band	Maximum antenna gain
Antenna 0	BT&WLANANT 0	Internal antenna	2.4 – 2.5 GHz 5.0 – 6.0 GHz	1.83dBi(Max.) for 2.4G band 2.24dBi(Max.) for 5G band

## 4. Conducted Power Results

### Bluetooth

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
GFSK	0	2402	8.24
	39	2441	9.27
	78	2480	8.10
$\pi/4$ DQPSK	0	2402	7.03
	39	2441	10.07
	78	2480	6.57
8DPSK	0	2402	7.54
	39	2441	7.99
	78	2480	6.95
GFSK(BT LE)	0	2402	3.95
	19	2440	5.19
	39	2480	4.77

### 2.4GWLAN

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
802.11b	01	2412	17.92
	06	2437	18.69
	11	2462	19.13
802.11g	01	2412	22.21
	06	2437	22.91
	11	2462	23.33
802.11n(HT20)	01	2412	20.17
	06	2437	20.87
	11	2462	21.44

### 5.2GWLAN

Mode	Channel	Frequency (MHz)	Average Conducted Output Power (dBm)
802.11a	36	5180	12.09
	40	5200	11.42
	48	5240	11.09
802.11n20	36	5180	11.02
	40	5200	11.09
	48	5240	11.48
802.11n40	38	5190	11.18
	46	5230	9.94
802.11ac20	36	5180	10.08
	40	5200	10.20
	48	5240	10.37
802.11ac40	38	5190	10.66
	46	5230	10.56
802.11ac80	42	5210	9.47



**5.3GWLAN**

Mode	Channel	Frequency (MHz)	Average Conducted Output Power (dBm)
802.11a	52	5260	11.15
	56	5280	10.57
	64	5320	10.83
802.11n20	52	5260	11.01
	56	5280	10.95
	64	5320	10.73
802.11n40	54	5270	11.27
	62	5310	11.25
802.11ac20	52	5260	11.29
	56	5280	10.79
	64	5320	11.06
802.11ac40	54	5270	11.16
	62	5310	10.94
802.11ac80	58	5290	11.25

**5.7GWLAN**

Mode	Channel	Frequency (MHz)	Average Conducted Output Power (dBm)
802.11a	100	5500	11.38
	120	5600	10.58
	140	5700	8.80
802.11n20	100	5500	11.60
	120	5600	10.64
	140	5700	9.09
802.11n40	102	5510	11.62
	118	5590	11.50
	134	5670	10.09
802.11ac20	100	5500	11.21
	120	5600	10.46
	140	5700	8.96
802.11ac40	102	5510	11.55
	118	5590	11.49
	134	5670	10.16
802.11ac80	106	5530	11.37
	122	5610	10.31

**5.8GWLAN**

Mode	Channel	Frequency (MHz)	Average Conducted Output Power (dBm)
802.11a	149	5745	8.23
	157	5785	8.53
	165	5825	8.94
802.11n20	149	5745	7.64
	157	5785	8.44
	165	5825	8.90
802.11n40	151	5755	7.79
	159	5795	9.30
802.11ac20	149	5745	8.09
	157	5785	8.26
	165	5825	9.13
802.11ac40	151	5755	7.73
	159	5795	9.32
802.11ac80	155	5775	8.42

## 5. Manufacturing Tolerance

### Bluetooth

GFSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	8.0	9.0	8.0
Tolerance ±(dB)	1.0	1.0	1.0
π/4DQPSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	7.0	10.0	7.0
Tolerance ±(dB)	1.0	1.0	1.0
8DPSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	7.0	7.0	7.0
Tolerance ±(dB)	1.0	1.0	1.0
GFSK BT LE (Peak)			
Channel	Channel 0	Channel 19	Channel 39
Target (dBm)	4.0	5.0	4.0
Tolerance ±(dB)	1.0	1.0	1.0

### 2.4GWLAN

IEEE 802.11b (Peak)			
Channel	Channel 01	Channel 06	Channel 11
Target (dBm)	17.0	18.00	19.00
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11g (Peak)			
Channel	Channel 01	Channel 06	Channel 11
Target (dBm)	22.00	22.0	23.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11n HT20 (Peak)			
Channel	Channel 01	Channel 06	Channel 11
Target (dBm)	20.00	20.0	21.0
Tolerance ±(dB)	1.0	1.0	1.0

**5.2GWLAN**

IEEE 802.11a (Average)			
Channel	Channel 36	Channel 40	Channel 48
Target (dBm)	11.0	11.0	11.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11n HT20 (Average)			
Channel	Channel 36	Channel 40	Channel 48
Target (dBm)	11.0	11.0	11.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11ac VHT20 (Average)			
Channel	Channel 36	Channel 40	Channel 48
Target (dBm)	10.0	10.0	10.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11n VHT40 (Average)			
Channel	Channel 38	Channel 46	/
Target (dBm)	11.0	10.0	/
Tolerance ±(dB)	1.0	1.0	/
IEEE 802.11ac VHT40 (Average)			
Channel	Channel 38	Channel 46	/
Target (dBm)	10.0	10.0	/
Tolerance ±(dB)	1.0	1.0	/
IEEE 802.11ac VHT80 (Average)			
Channel	Channel 42	/	/
Target (dBm)	10.0	/	/
Tolerance ±(dB)	1.0	/	/

**5.3GWLAN**

IEEE 802.11a (Average)			
Channel	Channel 52	Channel 56	Channel 64
Target (dBm)	11.0	10.0	10.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11n HT20 (Average)			
Channel	Channel 52	Channel 56	Channel 64
Target (dBm)	10.0	10.0	10.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11ac VHT20 (Average)			
Channel	Channel 52	Channel 56	Channel 64
Target (dBm)	11.0	11.0	10.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11n VHT40 (Average)			
Channel	Channel 54	Channel 62	/
Target (dBm)	11.0	11.0	/
Tolerance ±(dB)	1.0	1.0	/
IEEE 802.11ac VHT40 (Average)			
Channel	Channel 54	Channel 62	/
Target (dBm)	11.0	10.0	/
Tolerance ±(dB)	1.0	1.0	/
IEEE 802.11ac VHT80 (Average)			
Channel	Channel 58	/	/
Target (dBm)	11.0	/	/
Tolerance ±(dB)	1.0	/	/

**5.7GWLAN**

IEEE 802.11a (Average)			
Channel	Channel 100	Channel 120	Channel 140
Target (dBm)	11.0	10.0	9.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11n HT20 (Average)			
Channel	Channel 100	Channel 120	Channel 140
Target (dBm)	11.0	10.0	9.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11ac VHT20 (Average)			
Channel	Channel 100	Channel 120	Channel 140
Target (dBm)	11.0	10.0	8.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11n VHT40 (Average)			
Channel	Channel 102	Channel 118	Channel 134
Target (dBm)	11.0	11.0	10.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11ac VHT40 (Average)			
Channel	Channel 102	Channel 118	Channel 134
Target (dBm)	11.0	11.0	10.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11ac VHT80 (Average)			
Channel	Channel 106	Channel 122	/
Target (dBm)	11.0	10.0	/
Tolerance ±(dB)	1.0	1.0	/

**5.8GWLAN**

IEEE 802.11a (Average)			
Channel	Channel 149	Channel 157	Channel 165
Target (dBm)	8.0	8.0	8.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11n HT20 (Average)			
Channel	Channel 149	Channel 157	Channel 165
Target (dBm)	8.0	8.0	8.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11ac VHT20 (Average)			
Channel	Channel 149	Channel 157	Channel 165
Target (dBm)	8.0	8.0	8.0
Tolerance ±(dB)	1.0	1.0	1.0
IEEE 802.11n VHT40 (Average)			
Channel	Channel 151	Channel 159	/
Target (dBm)	8.0	9.0	/
Tolerance ±(dB)	1.0	1.0	/
IEEE 802.11ac VHT40 (Average)			
Channel	Channel 151	Channel 159	/
Target (dBm)	8.0	9.0	/
Tolerance ±(dB)	1.0	1.0	/
IEEE 802.11ac VHT80 (Average)			
Channel	Channel 155	/	/
Target (dBm)	8.0	/	/
Tolerance ±(dB)	1.0	/	/

## 6. Measurement Results

### 6.1 Standalone MPE Evaluation

As declared by the Applicant, the EUT is a wireless device used in a fix application, at least 20 cm from any body part of the user or nearby persons; from the maximum EUT RF output power, the minimum separation distance,  $r = 20\text{cm}$ , as well as the gain of the used antenna refer to antenna information, the RF power density can be obtained.

#### **BT**

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE ( $\text{mW}/\text{cm}^2$ )	MPE Limits ( $\text{mW}/\text{cm}^2$ )
	dBm	mW				
GFSK	9.00	7.9433	1.83	1.5241	0.0024	1.0000
$\pi/4$ DQPSK	10.00	10.0000	1.83	1.5241	0.0030	1.0000
8DPSK	8.00	5.0119	1.83	1.5241	0.0015	1.0000
GFS1(BT LE)	5.00	3.1623	1.83	1.5241	0.0010	1.0000

#### **2.4GWLAN**

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE ( $\text{mW}/\text{cm}^2$ )	MPE Limits ( $\text{mW}/\text{cm}^2$ )
	dBm	mW				
802.11b	23.00	79.4328	1.83	1.5241	0.0241	1.0000
802.11g	23.00	199.5262	1.83	1.5241	0.0605	1.0000
802.11n(HT20)	21.00	125.8925	1.83	1.5241	0.0481	1.0000

#### **5.2GWLAN**

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE ( $\text{mW}/\text{cm}^2$ )	MP20 Limits ( $\text{mW}/\text{cm}^2$ )
	dBm	mW				
802.11a	11.00	12.5893	2.24	1.6749	0.0042	1.0000
802.11n20	11.00	12.5893	2.24	1.6749	0.0042	1.0000
802.11ac20	10.00	10.0000	2.24	1.6749	0.0033	1.0000
802.11n40	11.00	12.5893	2.24	1.6749	0.0042	1.0000
802.11ac40	10.00	10.0000	2.24	1.6749	0.0033	1.0000
802.11ac80	10.00	10.0000	2.24	1.6749	0.0033	1.0000

#### **5.3GWLAN**

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE ( $\text{mW}/\text{cm}^2$ )	MP20 Limits ( $\text{mW}/\text{cm}^2$ )
	dBm	mW				
802.11a	11.00	12.5893	2.24	1.6749	0.0042	1.0000
802.11n20	10.00	10.0000	2.24	1.6749	0.0033	1.0000
802.11ac20	11.00	12.5893	2.24	1.6749	0.0042	1.0000
802.11n40	11.00	12.5893	2.24	1.6749	0.0042	1.0000
802.11ac40	11.00	12.5893	2.24	1.6749	0.0042	1.0000
802.11ac80	11.00	12.5893	2.24	1.6749	0.0042	1.0000

**5.7GWLAN**

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm <sup>2</sup> )	MP20 Limits (mW/cm <sup>2</sup> )
	dBm	mW				
802.11a	14.00	25.1189	2.24	1.6749	0.0084	1.0000
802.11n20	11.00	12.5893	2.24	1.6749	0.0042	1.0000
802.11ac20	10.00	10.0000	2.24	1.6749	0.0033	1.0000
802.11n40	11.00	12.5893	2.24	1.6749	0.0042	1.0000
802.11ac40	11.00	12.5893	2.24	1.6749	0.0042	1.0000
802.11ac80	11.00	12.5893	2.24	1.6749	0.0042	1.0000

**5.8GWLAN**

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm <sup>2</sup> )	MP17.00
	dBm	20.00				
802.11a	8.00	6.3096	2.24	1.6749	0.0021	1.0000
802.11n20	8.00	6.3096	2.24	1.6749	0.0021	1.0000
802.11ac20	8.00	6.3096	2.24	1.6749	0.0021	1.0000
802.11n40	9.00	7.9433	2.24	1.6749	0.0026	1.0000
802.11ac40	9.00	7.9433	2.24	1.6749	0.0026	1.0000
802.11ac80	8.00	6.3096	2.24	1.6749	0.0021	1.0000

*Remark:*

1. Output power including tune-up tolerance;
2. MPE evaluate distance is 20cm from user manual provide by manufacturer;
3. The sample support one Bluetooth & WLAN modular, and one Bluetooth & WLAN antenna, No Need consider simultaneous transmission ;

## **7. Conclusion**

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB447498 D01 General RF Exposure Guidance v06, No SAR is required.

**.....End of Report.....**