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RF Exposure evaluation

Report Reference No.: CTL2501142011-WFH

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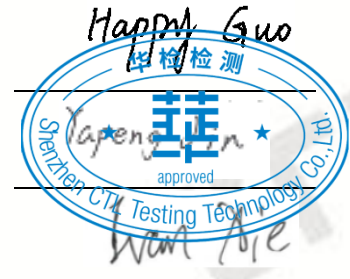
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Product Name.....: All Netcom Android module

Model/Type reference: M201

List Model(s).....: M201-QVCT-2G16G

Trade Mark.....: N/A

FCC ID.....: 2BOIX-M201

Applicant's name: Shanghai Mijia Electronics Technology Co., Ltd.

Address of applicant: Room 307, 3rd Floor, Building 2, No. 359 Yinxi Road, Jiuting Town, Songjiang District, Shanghai, China

Test Firm: Shenzhen CTL Testing Technology Co., Ltd.

Address of Test Firm: Floor 1-A, Baisha Technology Park, No.3011, Shahehexi Road, Nanshan District, Shenzhen, China 518055

Test specification.....:

Standard: 47CFR §1.1310

47CFR §2.1093

KDB447498 D01 General RF Exposure Guidance v06

TRF Originator: Shenzhen CTL Testing Technology Co., Ltd.

Master TRF: Dated 2011-01

Date of receipt of test item.....: Jan. 23, 2025

Date of Test Date.....: Jan. 23, 2025-Mar. 20, 2025

Date of Issue.....: Mar. 21, 2025

Result.....: Pass

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RF Exposure evaluation REPORT

Test Report No.:	CTL2501142011-WFH	Mar. 21, 2025
		Date of issue

Equipment under Test : All Netcom Android module

Sample No : CTL2501142011

Model /Type : M201

Listed Models : M201-QVCT-2G16G

Applicant : **Shanghai Mijia Electronics Technology Co., Ltd.**

Address : Room 307, 3rd Floor, Building 2, No. 359 Yinxi Road, Jiuting Town, Songjiang District, Shanghai, China

Manufacturer : **Shenzhen Guoguan Electronics co., Ltd**

Address : 4 / F, building E, Xinxiong Industrial Zone, No. 157, Gushu 1st Road, Xixiang street, Bao'an District, Shenzhen, China

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the issuing testing laboratory.

** Modified History **

[illegible]

1. GENERAL INFORMATION

1.1.Environmental conditions

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

Normal Temperature:	25°C -35°C
Relative Humidity:	35%-55 %
Air Pressure:	101 KPa

1.2. Product Information

FCC ID:	2BOIX-M201
Product name	All Netcom Android module
Model number	M201
Power supply	DC12V DC power supply
Modulation Type	Bluetooth: GFSK, Pi/4DQPSK, 8DPSK Bluetooth LE: GFSK 2.4G WIFI: 802.11b: DSSS 802.11g/802.11n(HT20)/802.11n(HT40): OFDM 5G WIFI: OFDM QPSK for UMTS, QPSK, 16QAM for LTE
Antenna Type	PIFA Antenna
Antenna Gain	3.00dBi (max.) For all Bluetooth, Bluetooth LE, 2.4G WIFI, 5G WIFI, GSM, WCDMA, LTE Band.
Hardware version	V1.0
Software version	V1.0
Operation Frequency Band	Bluetooth: 2402-2480MHz Bluetooth LE: 2402-2480MHz 2.4G WIFI: 2412-2462MHz 5G WIFI: 5180-5240MHz 5745-5825MHz 2G: GSM850, PCS1900 3G: Band II/V 4G: Band 2, Band 4, Band 5, Band 7, Band 41
Extreme temp. Tolerance	-20°C to +60°C
Extreme vol. Limits	10.8VDC to 13.2VDC (nominal: 12.0VDC)
Exposure category	General population/uncontrolled environment
EUT Type	Production Unit
Device Type	Mobile Device

1.3. Test Facility

1.3.1 Address of the test laboratory

Shenzhen CTL Testing Technology Co., Ltd.
Floor 1-A, Baisha Technology Park, No.3011 Shahexi Road, Nanshan District, Shenzhen, China
518055

There is one 3m semi-anechoic chamber and two line conducted labs for final test. The Test Sites meet the requirements in documents ANSI C63.10 and CISPR 32/EN 55032 requirements.

1.3.2 Laboratory accreditation

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

CNAS-Lab Code: L7497

Shenzhen CTL Testing Technology 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: 2017 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No. 4343.01

Shenzhen CTL Testing Technology Co., Ltd, EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

IC Registration No.: 9618B

CAB identifier: CN0041

The 3m alternate test site of Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements with Registration No.: 9618B.

FCC-Registration No.: 399832

Designation No.: CN1216

Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 399832.

1.4. 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 CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the Shenzhen CTL Testing Technology 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 CTL laboratory is reported:

Test	Measurement Uncertainty	Notes
Transmitter power conducted	±0.57 dB	(1)
Transmitter power Radiated	±2.20 dB	(1)
Conducted spurious emission 9KHz-40 GHz	±1.60 dB	(1)
Occupied Bandwidth	±0.20ppm	(1)
Radiated Emission 9KHz~30MHz	±3.40dB	(1)

Radiated Emission 30~1000MHz	$\pm 4.10\text{dB}$	(1)
Radiated Emission Above 1GHz	$\pm 4.32\text{dB}$	(1)
Conducted Disturbance 0.15~30MHz	$\pm 3.20\text{dB}$	(1)

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=1.96$.

1.5. EUT configuration

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

- - supplied by the manufacturer
- - supplied by the lab

○	Notebook Computer	Manufacturer :	Huawei Technologies Co Ltd
		Model No. :	KPL-W00
○	HUAWEI Super Charge	Manufacturer :	Huawei Technologies Co Ltd.
		Model No. :	HW-200200CP1
○	Air Switch	Manufacturer :	Chint Group Corp.
		Model No. :	NXB-63C32

2. Evaluation Method

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 KDB447498D01 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 modelled or measured field strengths or power density, is ≤ 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. Limit

3.1 Refer evaluation method

[ANSI C95.1–1999](#): IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

[FCC KDB publication 447498 D01 General 1 RF Exposure Guidance v06](#): Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

[FCC CFR 47 part1 1.1310](#): Radiofrequency radiation exposure limits.

[FCC CFR 47 part2 2.1091](#): Radiofrequency radiation exposure evaluation: mobile devices.

3.2 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 ²)	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 ²)*	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 ²)	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 ²)*	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

4. MPE Calculation Method

Predication of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S=PG/4\pi R^2$$

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

5. Antenna Information

The EUT can only use antennas certificated as follows provided by manufacturer;

External Identification	Antenna type and antenna number	Operate frequency band	Maximum antenna gain
Bluetooth&BLE&2.4G WIFI&5G WIFI	PIFA Antenna	2400MHz – 2500MHz 5100MHz – 5800MHz	3.00dBi (max.) For Bluetooth&BLE&2.4G WIFI&5G WIFI
GSM&WCDMA <E	PIFA Antenna	600 MHz – 2500 MHz	3.00dBi (max.) For all GSM, WCDMA and LTE Band

6. Conducted Power and Manufacturing Tolerance

General Note:

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

< Bluetooth >

Mode	TX Type	Frequency (MHz)	Maximum Peak Output Power (dBm)	Tune-Up
			ANT1	ANT1
GFSK	SISO	2402	0.41	0.0±1
		2441	0.64	0.0±1
		2480	-0.43	0.0±1
Pi/4DQPSK	SISO	2402	0.42	0.0±1
		2441	0.74	0.0±1
		2480	-0.32	0.0±1
8DPSK	SISO	2402	0.34	0.0±1
		2441	0.70	0.0±1
		2480	-0.39	0.0±1
BLE 1M	SISO	2402	-11.87	-11.0±1
		2440	-11.88	-11.0±1
		2480	-13.71	-13.0±1
BLE 2M	SISO	2402	-11.76	-11.0±1
		2440	-11.83	-11.0±1
		2480	-13.66	-13.0±1

<2.4G WIFI >

Mode	TX Type	Frequency (MHz)	Maximum Peak Output Power (dBm)	Tune-Up
			ANT1	ANT1
802.11b	SISO	2412	9.95	10.0±1
		2437	10.03	10.0±1
		2462	8.61	8.0±1
802.11g	SISO	2412	9.90	10.0±1
		2437	9.99	10.0±1
		2462	8.86	9.0±1
802.11n (HT20)	SISO	2412	9.55	9.0±1
		2437	9.91	10.0±1
		2462	8.51	8.0±1
802.11n (HT40)	SISO	2422	10.33	10.0±1
		2437	9.64	10.0±1
		2452	9.02	10.0±1

<5G WIFI Band 1>

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)	Tune-Up
			ANT1	ANT1
802.11a	SISO	5180	1.75	2.0±1
		5200	1.64	2.0±1
		5240	2.55	2.0±1
802.11n (HT20)	SISO	5180	3.66	3.0±1
		5200	4.17	4.0±1
		5240	3.91	4.0±1
802.11n (HT40)	SISO	5190	3.87	4.0±1
		5230	4.46	4.0±1
802.11ac (VHT20)	SISO	5180	3.94	4.0±1
		5200	4.29	4.0±1
		5240	4.47	4.0±1
802.11ac (VHT40)	SISO	5190	1.99	2.0±1
		5230	2.05	2.0±1
802.11ac (VHT80)	SISO	5210	0.32	0.0±1

<5G WIFI Band 3>

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)	Tune-Up
			ANT1	ANT1
802.11a	SISO	5745	-0.44	0.0±1
		5785	0.75	1.0±1
		5825	1.80	2.0±1
802.11n (HT20)	SISO	5745	-0.63	0.0±1
		5785	0.80	1.0±1
		5825	1.68	1.0±1
802.11n (HT40)	SISO	5755	1.15	1.0±1
		5795	0.96	1.0±1
802.11ac (VHT20)	SISO	5745	-0.63	0.0±1
		5785	1.52	1.0±1
		5825	1.26	1.0±1
802.11ac (VHT40)	SISO	5755	1.38	1.0±1
		5795	0.98	1.0±1
802.11ac (VHT80)	SISO	5775	1.14	1.0±1

<GSM Max Conducted Power>

Test Mode		Channel	Frequency (MHz)	Max Conducted Power (dBm)	Tune-Up
2G	GSM850	LCH	824.2	30.78	30.0±1
		MCH	836.6	29.39	30.0±1
		HCH	848.8	30.55	30.0±1
	PCS1900	LCH	1850.2	26.64	27.0±1
		MCH	1880	26.91	27.0±1
		HCH	1909.8	27.68	27.0±1

<WCDMA Max Conducted Power>

Test Mode		Channel	Frequency (MHz)	Max Conducted Power (dBm)	Tune-Up
WCDMA	Band II	LCH	1852.4	21.90	22.0±1
		MCH	1800.0	22.24	22.0±1
		HCH	1907.6	22.89	22.0±1
	Band V	LCH	826.4	22.13	22.0±1
		MCH	836.6	22.08	22.0±1
		HCH	846.6	21.99	21.0±1

<LTE Max Conducted Power>

Test Mode		Modulation	Max Conducted Power (dBm)	Tune-Up
LTE	Band 2	QPSK	22.61	22.0±1
		16QAM	21.77	22.0±1
	Band 4	QPSK	22.55	22.0±1
		16QAM	22.13	22.0±1
	Band 5	QPSK	21.57	21.0±1
		16QAM	21.17	21.0±1
	Band 7	QPSK	22.56	22.0±1
		16QAM	21.91	22.0±1
	Band 41	QPSK	21.76	22.0±1
		16QAM	21.00	21.0±1

7. Measurement Results

7.1 Standalone MPE

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.

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
BR/EDR	1.00	1.2589	3.00	1.9953	0.0005	1.0000
BLE	-10.0	0.1000	3.00	1.9953	0.0000	1.0000
IEEE 802.11b <2.4G WIFI >	11.0	12.5893	3.00	1.9953	0.0050	1.0000
IEEE 802.11g <2.4G WIFI >	11.0	12.5893	3.00	1.9953	0.0050	1.0000
IEEE 802.11n HT20 <2.4G WIFI >	11.0	12.5893	3.00	1.9953	0.0050	1.0000
IEEE 802.11n HT40 <2.4G WIFI >	11.0	12.5893	3.00	1.9953	0.0050	1.0000

802.11a <5G WIFI Band 1>	3.0	1.9953	3.00	1.9953	0.0008	1.0000
802.11n (HT20) <5G WIFI Band 1>	5.0	3.1623	3.00	1.9953	0.0013	1.0000
802.11n (HT40) <5G WIFI Band 1>	5.0	3.1623	3.00	1.9953	0.0013	1.0000
802.11ac (VHT20) <5G WIFI Band 1>	5.0	3.1623	3.00	1.9953	0.0013	1.0000
802.11ac (VHT40) <5G WIFI Band 1>	3.0	1.9953	3.00	1.9953	0.0008	1.0000
802.11ac (VHT80) <5G WIFI Band 1>	1.0	1.2589	3.00	1.9953	0.0005	1.2589
802.11a <5G WIFI Band 3>	3.0	1.9953	3.00	1.9953	0.0008	1.0000
802.11n (HT20) <5G WIFI Band 3>	2.0	1.5849	3.00	1.9953	0.0006	1.0000
802.11n (HT40) <5G WIFI Band 3>	2.0	1.5849	3.00	1.9953	0.0006	1.0000
802.11ac (VHT20) <5G WIFI Band 3>	2.0	1.5849	3.00	1.9953	0.0006	1.0000
802.11ac (VHT40) <5G WIFI Band 3>	2.0	1.5849	3.00	1.9953	0.0006	1.0000
802.11ac (VHT80) <5G WIFI Band 3>	2.0	1.5849	3.00	1.9953	0.0006	1.0000
GSM850	31.00	1258.9254	3.00	1.9953	0.4997	0.5495
PCS1900	28.00	630.9573	3.00	1.9953	0.2505	1.0000
WCDMA Band II	23.00	199.5262	3.00	1.9953	0.0792	1.0000
WCDMA Band V	23.00	199.5262	3.00	1.9953	0.0792	0.5509
LTE Band 2	23.00	199.5262	3.00	1.9953	0.0792	1.0000
LTE Band 4	23.00	199.5262	3.00	1.9953	0.0792	1.0000
LTE Band 5	22.00	158.4893	3.00	1.9953	0.0629	0.5498
LTE Band 7	23.00	199.5262	3.00	1.9953	0.0792	1.0000
LTE Band 41	23.00	199.5262	3.00	1.9953	0.0792	1.0000

Remark:

1. Output power (Average) including turn-up tolerance;
2. Output power is burst average power;
3. MPE evaluate distance is 20cm from user manual provide by manufacturer;
4. MPE values = $PG/4\pi R^2$

7.2 Simultaneous Transmission MPE

The sample support one BT&2.4GWLAN&5GWLAN and another one LTE&WCDMA&GSM transmit antenna, so need consider simultaneous transmission;

Simultaneous transmission MPE

According to KDB447498 for Transmitters used in mobile exposure conditions for simultaneous transmission operations;

$\sum \sum$ of MPE ratios ≤ 1.0

Bluetooth+GSM			
Mode	$\sum$ MPE ratios	Limit	Results
BR/EDR + GSM850	0.5002	1.000	Pass
BR/EDR + GSM1900	0.2510	1.000	Pass
BLE + GSM850	0.4997	1.000	Pass
BLE + GSM1900	0.2505	1.000	Pass

Bluetooth+WCDMA			
Mode	$\sum$ MPE ratios	Limit	Results
BR/EDR + WCDMA Band II	0.0797	1.000	Pass
BR/EDR + WCDMA Band IV	0.0797	1.000	Pass
BLE + WCDMA Band II	0.0792	1.000	Pass
BLE + WCDMA Band IV	0.0792	1.000	Pass

Bluetooth+LTE			
Mode	$\sum$ MPE ratios	Limit	Results
BR/EDR + LTE Band 2	0.0797	1.000	Pass
BR/EDR + LTE Band 4	0.0797	1.000	Pass
BR/EDR + LTE Band 5	0.0634	1.000	Pass
BR/EDR + LTE Band 7	0.0797	1.000	Pass
BR/EDR + LTE Band 41	0.0797	1.000	Pass
BLE + LTE Band 2	0.0792	1.000	Pass
BLE + LTE Band 4	0.0792	1.000	Pass
BLE + LTE Band 5	0.0629	1.000	Pass
BLE + LTE Band 7	0.0792	1.000	Pass
BLE + LTE Band 41	0.0792	1.000	Pass

2.4G WLAN+GSM			
Mode	$\sum$ MPE ratios	Limit	Results
IEEE 802.11b + GSM850	0.5047	1.000	Pass
IEEE 802.11b + GSM1900	0.2555	1.000	Pass
IEEE 802.11g + GSM850	0.5047	1.000	Pass
IEEE 802.11g + GSM1900	0.2555	1.000	Pass
IEEE 802.11n20 + GSM850	0.5047	1.000	Pass
IEEE 802.11n20 + GSM1900	0.2555	1.000	Pass
IEEE 802.11n40 + GSM850	0.5047	1.000	Pass
IEEE 802.11n40 + GSM1900	0.2555	1.000	Pass

2.4G WLAN+WCDMA			
Mode	$\sum$ MPE ratios	Limit	Results
IEEE 802.11b + WCDMA Band II	0.0842	1.000	Pass
IEEE 802.11b + WCDMA Band V	0.0842	1.000	Pass
IEEE 802.11g + WCDMA Band II	0.0842	1.000	Pass
IEEE 802.11g + WCDMA Band V	0.0842	1.000	Pass
IEEE 802.11n20 + WCDMA Band II	0.0842	1.000	Pass
IEEE 802.11n20 + WCDMA Band V	0.0842	1.000	Pass
IEEE 802.11n40 + WCDMA Band II	0.0842	1.000	Pass
IEEE 802.11n40 + WCDMA Band V	0.0842	1.000	Pass

2.4G WLAN+LTE			
Mode	$\sum$ MPE ratios	Limit	Results
IEEE 802.11b + LTE Band 2	0.0842	1.000	Pass
IEEE 802.11b + LTE Band 4	0.0842	1.000	Pass
IEEE 802.11b + LTE Band 5	0.0679	1.000	Pass
IEEE 802.11b + LTE Band 7	0.0842	1.000	Pass
IEEE 802.11b + LTE Band 41	0.0842	1.000	Pass
IEEE 802.11g + LTE Band 2	0.0842	1.000	Pass
IEEE 802.11g + LTE Band 4	0.0842	1.000	Pass
IEEE 802.11g + LTE Band 5	0.0679	1.000	Pass
IEEE 802.11g + LTE Band 7	0.0842	1.000	Pass
IEEE 802.11g + LTE Band 41	0.0842	1.000	Pass
IEEE 802.11n20 + LTE Band 2	0.0842	1.000	Pass
IEEE 802.11n20 + LTE Band 4	0.0842	1.000	Pass
IEEE 802.11n20 + LTE Band 5	0.0679	1.000	Pass
IEEE 802.11n20 + LTE Band 7	0.0842	1.000	Pass
IEEE 802.11n20 + LTE Band 41	0.0842	1.000	Pass
IEEE 802.11n40 + LTE Band 2	0.0842	1.000	Pass
IEEE 802.11n40 + LTE Band 4	0.0842	1.000	Pass
IEEE 802.11n40 + LTE Band 5	0.0679	1.000	Pass
IEEE 802.11n40 + LTE Band 7	0.0842	1.000	Pass
IEEE 802.11n40 + LTE Band 41	0.0842	1.000	Pass

5G WLAN(Band 1)+GSM			
Mode	$\sum$ MPE ratios	Limit	Results
802.11a + GSM850	0.5005	1.000	Pass
802.11a + GSM1900	0.2513	1.000	Pass
802.11n(HT20) + GSM850	0.5010	1.000	Pass
802.11n(HT20) + GSM1900	0.2518	1.000	Pass
802.11n(HT40) + GSM850	0.5010	1.000	Pass
802.11n(HT40) + GSM1900	0.2518	1.000	Pass
802.11ac(VHT20) + GSM850	0.5010	1.000	Pass
802.11ac(VHT20) + GSM1900	0.2518	1.000	Pass
802.11ac(VHT40) + GSM850	0.5005	1.000	Pass
802.11ac(VHT40) + GSM1900	0.2513	1.000	Pass
802.11ac(VHT80) + GSM850	0.5002	1.000	Pass
802.11ac(VHT80) + GSM1900	0.2510	1.000	Pass

5G WLAN(Band 1)+WCDMA			
Mode	$\sum$ MPE ratios	Limit	Results
802.11a + WCDMA Band II	0.0800	1.000	Pass
802.11a + WCDMA Band V	0.0800	1.000	Pass
802.11n(HT20) + WCDMA Band II	0.0805	1.000	Pass
802.11n(HT20) + WCDMA Band V	0.0805	1.000	Pass
802.11n(HT40) + WCDMA Band II	0.0805	1.000	Pass
802.11n(HT40) + WCDMA Band V	0.0805	1.000	Pass
802.11ac(VHT20) + WCDMA Band II	0.0805	1.000	Pass
802.11ac(VHT20) + WCDMA Band V	0.0805	1.000	Pass
802.11ac(VHT40) + WCDMA Band II	0.0800	1.000	Pass
802.11ac(VHT40) + WCDMA Band V	0.0800	1.000	Pass
802.11ac(VHT80) + WCDMA Band II	0.0797	1.000	Pass
802.11ac(VHT80) + WCDMA Band V	0.0797	1.000	Pass

5G WLAN(Band 1)+LTE			
Mode	$\sum$ MPE ratios	Limit	Results
802.11a + LTE Band 2	0.0800	1.000	Pass
802.11a + LTE Band 4	0.0800	1.000	Pass
802.11a + LTE Band 5	0.0637	1.000	Pass
802.11a + LTE Band 7	0.0800	1.000	Pass
802.11a + LTE Band 41	0.0800	1.000	Pass
802.11n(HT20) + LTE Band 2	0.0805	1.000	Pass
802.11n(HT20) + LTE Band 4	0.0805	1.000	Pass
802.11n(HT20) + LTE Band 5	0.0642	1.000	Pass
802.11n(HT20) + LTE Band 7	0.0805	1.000	Pass
802.11n(HT20) + LTE Band 41	0.0805	1.000	Pass
802.11n(HT40) + LTE Band 2	0.0805	1.000	Pass
802.11n(HT40) + LTE Band 4	0.0805	1.000	Pass
802.11n(HT40) + LTE Band 5	0.0642	1.000	Pass
802.11n(HT40) + LTE Band 7	0.0805	1.000	Pass
802.11n(HT40) + LTE Band 41	0.0805	1.000	Pass
802.11ac(VHT20) + LTE Band 2	0.0805	1.000	Pass
802.11ac(VHT20) + LTE Band 4	0.0805	1.000	Pass
802.11ac(VHT20) + LTE Band 5	0.0642	1.000	Pass
802.11ac(VHT20) + LTE Band 7	0.0805	1.000	Pass
802.11ac(VHT20) + LTE Band 41	0.0805	1.000	Pass
802.11ac(VHT40) + LTE Band 2	0.0800	1.000	Pass
802.11ac(VHT40) + LTE Band 4	0.0800	1.000	Pass
802.11ac(VHT40) + LTE Band 5	0.0637	1.000	Pass
802.11ac(VHT40) + LTE Band 7	0.0800	1.000	Pass
802.11ac(VHT40) + LTE Band 41	0.0800	1.000	Pass
802.11ac(VHT80) + LTE Band 2	0.0797	1.000	Pass
802.11ac(VHT80) + LTE Band 4	0.0797	1.000	Pass
802.11ac(VHT80) + LTE Band 5	0.0634	1.000	Pass
802.11ac(VHT80) + LTE Band 7	0.0797	1.000	Pass
802.11ac(VHT80) + LTE Band 41	0.0797	1.000	Pass

5G WLAN(Band 3)+GSM			
Mode	$\sum$ MPE ratios	Limit	Results
802.11a + GSM850	0.5005	1.000	Pass
802.11a + GSM1900	0.2513	1.000	Pass
802.11n(HT20) + GSM850	0.5003	1.000	Pass
802.11n(HT20) + GSM1900	0.2511	1.000	Pass
802.11n(HT40) + GSM850	0.5003	1.000	Pass
802.11n(HT40) + GSM1900	0.2511	1.000	Pass
802.11ac(VHT20) + GSM850	0.5003	1.000	Pass
802.11ac(VHT20) + GSM1900	0.2511	1.000	Pass
802.11ac(VHT40) + GSM850	0.5003	1.000	Pass
802.11ac(VHT40) + GSM1900	0.2511	1.000	Pass
802.11ac(VHT80) + GSM850	0.5003	1.000	Pass
802.11ac(VHT80) + GSM1900	0.2511	1.000	Pass

5G WLAN(Band 3)+WCDMA			
Mode	$\sum$ MPE ratios	Limit	Results
802.11a + WCDMA Band II	0.0800	1.000	Pass
802.11a + WCDMA Band V	0.0800	1.000	Pass
802.11n(HT20) + WCDMA Band II	0.0798	1.000	Pass
802.11n(HT20) + WCDMA Band V	0.0798	1.000	Pass
802.11n(HT40) + WCDMA Band II	0.0798	1.000	Pass
802.11n(HT40) + WCDMA Band V	0.0798	1.000	Pass
802.11ac(VHT20) + WCDMA Band II	0.0798	1.000	Pass
802.11ac(VHT20) + WCDMA Band V	0.0798	1.000	Pass
802.11ac(VHT40) + WCDMA Band II	0.0798	1.000	Pass
802.11ac(VHT40) + WCDMA Band V	0.0798	1.000	Pass
802.11ac(VHT80) + WCDMA Band II	0.0798	1.000	Pass
802.11ac(VHT80) + WCDMA Band V	0.0798	1.000	Pass

5G WLAN(Band 3)+LTE			
Mode	$\sum$ MPE ratios	Limit	Results
802.11a + LTE Band 2	0.0800	1.000	Pass
802.11a + LTE Band 4	0.0800	1.000	Pass
802.11a + LTE Band 5	0.0637	1.000	Pass
802.11a + LTE Band 7	0.0800	1.000	Pass
802.11a + LTE Band 41	0.0800	1.000	Pass
802.11n(HT20) + LTE Band 2	0.0798	1.000	Pass
802.11n(HT20) + LTE Band 4	0.0798	1.000	Pass
802.11n(HT20) + LTE Band 5	0.0635	1.000	Pass
802.11n(HT20) + LTE Band 7	0.0798	1.000	Pass
802.11n(HT20) + LTE Band 41	0.0798	1.000	Pass
802.11n(HT40) + LTE Band 2	0.0798	1.000	Pass
802.11n(HT40) + LTE Band 4	0.0798	1.000	Pass
802.11n(HT40) + LTE Band 5	0.0635	1.000	Pass
802.11n(HT40) + LTE Band 7	0.0798	1.000	Pass
802.11n(HT40) + LTE Band 41	0.0798	1.000	Pass
802.11ac(VHT20) + LTE Band 2	0.0798	1.000	Pass
802.11ac(VHT20) + LTE Band 4	0.0798	1.000	Pass
802.11ac(VHT20) + LTE Band 5	0.0635	1.000	Pass
802.11ac(VHT20) + LTE Band 7	0.0798	1.000	Pass
802.11ac(VHT20) + LTE Band 41	0.0798	1.000	Pass
802.11ac(VHT40) + LTE Band 2	0.0798	1.000	Pass
802.11ac(VHT40) + LTE Band 4	0.0798	1.000	Pass
802.11ac(VHT40) + LTE Band 5	0.0635	1.000	Pass
802.11ac(VHT40) + LTE Band 7	0.0798	1.000	Pass
802.11ac(VHT40) + LTE Band 41	0.0798	1.000	Pass
802.11ac(VHT80) + LTE Band 2	0.0798	1.000	Pass
802.11ac(VHT80) + LTE Band 4	0.0798	1.000	Pass
802.11ac(VHT80) + LTE Band 5	0.0635	1.000	Pass
802.11ac(VHT80) + LTE Band 7	0.0798	1.000	Pass
802.11ac(VHT80) + LTE Band 41	0.0798	1.000	Pass

8. Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

-----THE END OF REPORT-----
