

RF Exposure Evaluation

For

INW INC

Projector

Test Model: T7

Prepared for : INW INC
Address : 5700 Stoneridge Mall Road, Suite 160 Pleasanton California United States

Prepared by : Guangzhou LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample : June 24, 2026
Number of tested samples : 2
Sample No. : C260624015-1, C260624015-2
Serial number : Prototype
Date of Test : June 24, 2026 ~ July 23, 2026
Date of Report : July 24, 2026

RF Exposure Evaluation	
Report Reference No.	LCSC06226015EG
Date of Issue.....	July 24, 2026
Testing Laboratory Name.....	Guangzhou LCS Compliance Testing Laboratory Ltd.
Address.....	No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China
Testing Location/ Procedure.....	Full application of Harmonised standards ☒ Partial application of Harmonised standards ☐ Other standard testing method ☐
Applicant's Name.....	INW INC
Address.....	5700 Stoneridge Mall Road, Suite 160 Pleasanton California United States
Test Specification	
Standard.....	FCC KDB publication 447498 D01 General RF Exposure Guidance v06 FCC CFR 47 part1 1.1310 FCC CFR 47 part2 2.1091
Test Report Form No.....	TRF-4-E-214 A/0
TRF Originator.....	Guangzhou LCS Compliance Testing Laboratory Ltd.
Master TRF.....	Dated 2011-03
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EUT Description.....	Projector
Trade Mark.....	Audio Matrix
Test Model.....	T7
Ratings.....	Please Refer to Page 6
Result	PASS

Compiled by:



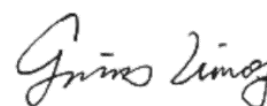
Lifeng Le/ Administrator

Supervised by:



Justin Zhu/ Technique Director

Approved by:



Gavin Liang/ Manager

RF Exposure Evaluation

Test Report No. : LCSC06226015EG	<u>July 24, 2026</u> Date of issue
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EUT.....	: Projector
Test Model.....	: T7
Applicant.....	: INW INC
Address.....	: 5700 Stoneridge Mall Road, Suite 160 Pleasanton California United States
Telephone.....	: /
Fax.....	: /
Manufacturer.....	: Shenzhen Hexin Zhiyuan Electronics Co., Ltd.
Address.....	: F522, Building F, Huafeng International Robotics Industrial Park, Hangcheng Avenue, Nanchang Community, Xixiang Subdistrict, Bao'an District, Shenzhen
Telephone.....	: /
Fax.....	: /
Factory.....	: Shenzhen Hexin Zhiyuan Electronics Co., Ltd.
Address.....	: F522, Building F, Huafeng International Robotics Industrial Park, Hangcheng Avenue, Nanchang Community, Xixiang Subdistrict, Bao'an District, Shenzhen
Telephone.....	: /
Fax.....	: /

Test Result:	PASS
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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.

Revision History

Report Version	Issue Date	Revision Content	Revised By
000	July 24, 2026	Initial Issue	--

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1. Product Information

EUT	: Projector
Test Model	: T7
Ratings	: Input: 110-240V~, 50/60Hz, 1.5A Max, 65W
Hardware Version	: /
Software Version	: /
Bluetooth	:
Frequency Range	: 2402MHz~2480MHz
Channel Number	: 79 channels for Bluetooth V5.0 (DSS) 40 channels for Bluetooth V5.0 (DTS)
Channel Spacing	: 1MHz for Bluetooth V5.0 (DSS) 2MHz for Bluetooth V5.0 (DTS)
Modulation Type	: GFSK, $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V5.0 (DSS) GFSK for Bluetooth V5.0 (DTS)
Bluetooth Version	: V5.0
Antenna Description	: Internal Antenna, 1.73dBi(Max.)
WIFI(2.4G Band)	:
Frequency Range	: 2412MHz~2462MHz
Channel Spacing	: 5MHz
Channel Number	: 11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	: IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: Internal Antenna, 1.73dBi(Max.)
WIFI(5.2G Band)	:
Frequency Range	: 5150MHz~5250MHz
Channel Number	: 4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz) 1 channels for 160MHz bandwidth(5250MHz)
Modulation Type	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: Internal Antenna, 4.31dBi(Max.)
WIFI(5.3G Band)	:
Frequency Range	: 5250MHz~5350MHz
Channel Number	: 4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz) 1 channels for 160MHz bandwidth(5250MHz)
Modulation Type	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: Internal Antenna, 4.21dBi(Max.)
WIFI(5.5G Band)	:
Frequency Range	: 5470MHz~5725MHz

Channel Number	: 11 Channels for 20MHz bandwidth(5500MHz~5700MHz) 5 Channels for 40MHz bandwidth(5510MHz~5670MHz) 2 Channels for 80MHz bandwidth(5530MHz, 5610MHz) 1 channels for 160MHz bandwidth(5570MHz)
Modulation Type	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: Internal Antenna, 4.45dBi(Max.)
WIFI(5.8G Band)	:
Frequency Range	: 5725MHz~5850MHz
Channel Number	: 5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: Internal Antenna, 4.45dBi(Max.)
Exposure category	: General population/uncontrolled environment
EUT Type	: Production Unit
Device Type	: Mobile Device
Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.	

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 C95.1–2019](#): IEEE Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz 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/Uncontrolled 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. Conducted Power

< BT >

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
GFSK	0	2402	0.51
	39	2441	1.77
	78	2480	0.68
$\pi/4$ DQPSK	0	2402	-0.16
	39	2441	0.86
	78	2480	-0.20
8DPSK	0	2402	-0.16
	39	2441	1.06
	78	2480	-0.19

[BT LE]

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
BLE 1M	0	2402	0.15
	19	2440	2.80
	39	2480	0.71
BLE 2M	0	2402	-0.05
	19	2440	2.37
	39	2480	0.38

[2.4G WIFI]

Mode	Channel	Frequency (MHz)	Max Conducted Power(dBm)
11B	1	2412	16.43
	6	2437	15.50
	11	2462	16.47
11G	1	2412	16.15
	6	2437	16.27
	11	2462	15.88
11N20 SISO	1	2412	16.21
	6	2437	16.25
	11	2462	15.86
11N40 SISO	3	2422	15.77
	6	2437	15.66
	9	2452	15.67
11AX20 SISO	1	2412	16.07
	6	2437	16.13
	11	2462	15.75
11AX40 SISO	3	2422	14.20
	6	2437	15.22
	9	2452	15.13

[5.2G WIFI]

Mode	Channel	Frequency (MHz)	Max Conducted Power(dBm)
11A	36	5180	15.49
	40	5200	15.64
	48	5240	15.45
11N20 SISO	36	5180	15.63
	40	5200	15.40
	48	5240	15.44
11N40 SISO	38	5190	15.05
	46	5230	15.59
11AC20 SISO	36	5180	14.98
	40	5200	15.05
	48	5240	15.02
11AC40 SISO	38	5190	15.90
	46	5230	15.42
11AC80 SISO	42	5210	15.56
11AX20 SISO	36	5180	15.22
	40	5200	15.18
	48	5240	14.83
11AX40 SISO	38	5190	15.39
	46	5230	15.32
11AX80 SISO	42	5210	15.46

[5.3G WIFI]

Mode	Channel	Frequency (MHz)	Max Conducted Power(dBm)
11A	52	5260	15.80
	60	5280	15.97
	64	5320	15.93
11N20 SISO	52	5260	14.35
	60	5280	15.44
	64	5320	15.37
11N40 SISO	54	5270	15.29
	62	5310	15.63
11AC20 SISO	52	5260	15.42
	60	5280	15.57
	64	5320	15.52
11AC40 SISO	54	5270	15.38
	62	5310	15.63
11AC80 SISO	58	5290	14.87
11AC160 SISO	50	5250	15.21
11AX20 SISO	52	5260	16.15
	60	5280	16.26
	64	5320	15.72
11AX40 SISO	54	5270	15.66
	62	5310	15.82
11AX80 SISO	58	5290	15.28
11AX160 SISO	50	5250	15.39

[5.5G WIFI]

Mode	Channel	Frequency (MHz)	Max Conducted Power(dBm)
11A	100	5500	16.20
	116	5580	16.13
	140	5700	16.40
11N20 SISO	100	5500	14.47
	116	5580	15.57
	140	5700	15.84
11N40 SISO	102	5510	15.50
	110	5550	15.53
	134	5670	16.15
11AC20 SISO	100	5500	14.85
	116	5580	15.76
	140	5700	15.88
11AC40 SISO	102	5510	15.55
	110	5550	15.52
	134	5670	16.13
11AC80 SISO	106	5530	14.76
	122	5610	15.45
11AC160 SISO	114	5570	15.71
11AX20 SISO	100	5500	15.53
	116	5580	15.87
	140	5700	15.68
11AX40 SISO	102	5510	15.21
	110	5550	15.37
	134	5670	16.01
11AX80 SISO	106	5530	14.73
	122	5610	15.63
11AX160 SISO	114	5570	15.98

[5.8G WIFI Max Conducted Power]

Mode	Channel	Frequency (MHz)	Max Conducted Power(dBm)
11A	149	5745	15.11
	157	5785	15.41
	165	5825	15.34
11N20 SISO	149	5745	15.97
	157	5785	16.44
	165	5825	15.70
11N40 SISO	151	5755	15.76
	159	5795	15.99
11AC20 SISO	149	5745	15.69
	157	5785	15.97
	165	5825	15.80
11AC40 SISO	151	5755	15.81
	159	5795	15.98
11AC80 SISO	155	5775	15.50
11AX20 SISO	149	5745	15.82
	157	5785	16.04
	165	5825	15.57
11AX40 SISO	151	5755	15.54
	159	5795	15.74
11AX80 SISO	155	5775	15.21

6. Manufacturing Tolerance

< BT >

GFSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	0	1.0	0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
$\pi/4$ DQPSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	0	0	0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
8DPSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	0	1.0	0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

[BLE 1M]

GFSK (Peak)			
Channel	Channel 0	Channel 19	Channel 39
Target (dBm)	0	2.0	0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

[BLE 2M]

GFSK (Peak)			
Channel	Channel 0	Channel 19	Channel 39
Target (dBm)	0	2.0	0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

[2.4G WIFI]

11B (Average)			
Channel	Channel 1	Channel 6	Channel 11
Target (dBm)	16.0	15.0	16.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11G (Average)			
Channel	Channel 1	Channel 6	Channel 11
Target (dBm)	16.0	16.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11N20 (Average)			
Channel	Channel 1	Channel 6	Channel 11
Target (dBm)	16.0	16.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11N40 (Average)			
Channel	Channel 3	Channel 6	Channel 9
Target (dBm)	15.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11AX20 (Average)			
Channel	Channel 1	Channel 6	Channel 11
Target (dBm)	16.0	16.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

11AX40 (Average)			
Channel	Channel 3	Channel 6	Channel 9
Target (dBm)	14.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

[5.2G WIFI]

11A(Average)			
Channel	Channel 36	Channel 40	Channel 48
Target (dBm)	15.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11N20(Average)			
Channel	Channel 36	Channel 40	Channel 48
Target (dBm)	15.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11N40(Average)			
Channel	Channel 38	Channel 46	
Target (dBm)	15.0	15.0	
Tolerance $\pm$ (dB)	1.0	1.0	
11AC20(Average)			
Channel	Channel 36	Channel 40	Channel 48
Target (dBm)	14.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11AC40(Average)			
Channel	Channel 38	Channel 46	
Target (dBm)	15.0	15.0	
Tolerance $\pm$ (dB)	1.0	1.0	
11AC80(Average)			
Channel	Channel 42		
Target (dBm)	15.0		
Tolerance $\pm$ (dB)	1.0		
11AX20(Average)			
Channel	Channel 36	Channel 40	Channel 48
Target (dBm)	15.0	15.0	14.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11AX40(Average)			
Channel	Channel 38	Channel 46	
Target (dBm)	15.0	15.0	
Tolerance $\pm$ (dB)	1.0	1.0	
11AX80(Average)			
Channel	Channel 42		
Target (dBm)	15.0		
Tolerance $\pm$ (dB)	1.0		

[5.3G WIFI]

11A (AVG)			
Channel	Channel 52	Channel 60	Channel 64
Target (dBm)	15.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11N20(AVG)			
Channel	Channel 52	Channel 60	Channel 64
Target (dBm)	14.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11N40(AVG)			
Channel	Channel 54	Channel 62	
Target (dBm)	15.0	15.0	
Tolerance $\pm$ (dB)	1.0	1.0	
11AC20(AVG)			
Channel	Channel 52	Channel 60	Channel 64
Target (dBm)	15.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11AC40(AVG)			
Channel	Channel 54	Channel 62	
Target (dBm)	15.0	15.0	
Tolerance $\pm$ (dB)	1.0	1.0	
11AC80 (Average)			
Channel	Channel 58		
Target (dBm)	14.0		
Tolerance $\pm$ (dB)	1.0		
11AC160 (Average)			
Channel	Channel 50		
Target (dBm)	15.0		
Tolerance $\pm$ (dB)	1.0		
11AX20(AVG)			
Channel	Channel 52	Channel 60	Channel 64
Target (dBm)	16.0	16.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11AX40(AVG)			
Channel	Channel 54	Channel 62	
Target (dBm)	15.0	15.0	
Tolerance $\pm$ (dB)	1.0	1.0	
11AX80 (Average)			
Channel	Channel 58		
Target (dBm)	15.0		
Tolerance $\pm$ (dB)	1.0		
11AX160 (Average)			
Channel	Channel 50		
Target (dBm)	15.0		
Tolerance $\pm$ (dB)	1.0		

[5.5G WIFI]

11A (AVG)			
Channel	Channel 100	Channel 116	Channel 140
Target (dBm)	16.0	16.0	16.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11N20(AVG)			
Channel	Channel 100	Channel 116	Channel 140
Target (dBm)	14.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11N40(AVG)			
Channel	Channel 102	Channel 110	Channel 134
Target (dBm)	15.0	15.0	16.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11AC20(AVG)			
Channel	Channel 100	Channel 116	Channel 140
Target (dBm)	14.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11AC40(AVG)			
Channel	Channel 102	Channel 110	Channel 134
Target (dBm)	15.0	15.0	16.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11AC80 (Average)			
Channel	Channel 106	Channel 122	
Target (dBm)	14.0	15.0	
Tolerance $\pm$ (dB)	1.0	1.0	
11AC160 (Average)			
Channel	Channel 114		
Target (dBm)	15.0		
Tolerance $\pm$ (dB)	1.0		
11AX20(AVG)			
Channel	Channel 100	Channel 116	Channel 140
Target (dBm)	15.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11AX40(AVG)			
Channel	Channel 102	Channel 110	Channel 134
Target (dBm)	15.0	15.0	16.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11AX80 (Average)			
Channel	Channel 106	Channel 122	
Target (dBm)	14.0	15.0	
Tolerance $\pm$ (dB)	1.0	1.0	
11AX160 (Average)			
Channel	Channel 114		
Target (dBm)	15.0		
Tolerance $\pm$ (dB)	1.0		

[5.8G WIFI]			
11A (Average)			
Channel	Channel 149	Channel 157	Channel 165
Target (dBm)	15.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11N20(Average)			
Channel	Channel 149	Channel 157	Channel 165
Target (dBm)	15.0	16.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11N40(Average)			
Channel	Channel 151	Channel 159	
Target (dBm)	15.0	15.0	
Tolerance $\pm$ (dB)	1.0	1.0	
11AC20(Average)			
Channel	Channel 149	Channel 157	Channel 165
Target (dBm)	15.0	15.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11AC40(Average)			
Channel	Channel 151	Channel 159	
Target (dBm)	15.0	15.0	
Tolerance $\pm$ (dB)	1.0	1.0	
11AC80 (Average)			
Channel	Channel 155		
Target (dBm)	15.0		
Tolerance $\pm$ (dB)	1.0		
11AX20(Average)			
Channel	Channel 149	Channel 157	Channel 165
Target (dBm)	15.0	16.0	15.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0
11AX40(Average)			
Channel	Channel 151	Channel 159	
Target (dBm)	15.0	15.0	
Tolerance $\pm$ (dB)	1.0	1.0	
11AX80 (Average)			
Channel	Channel 155		
Target (dBm)	15.0		
Tolerance $\pm$ (dB)	1.0		

7. Measurement Results

7.1 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 (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
GFSK	2.0	1.5849	1.73	1.4894	0.0005	1.0000
$\pi/4$ DQPSK	1.0	1.2589	1.73	1.4894	0.0004	1.0000
8DPSK	2.0	1.5849	1.73	1.4894	0.0005	1.0000

[BLE 1M]

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	MPE ratios
	dBm	mW					
GFSK	3.0	1.9953	1.73	1.4894	0.0006	1.0000	yes

[BLE 2M]

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	MPE ratios
	dBm	mW					
GFSK	3.0	1.9953	1.73	1.4894	0.0006	1.0000	yes

[2.4G WIFI]

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
IEEE 802.11b	17.0	50.1187	1.73	1.4894	0.0149	1.0000
IEEE 802.11g	17.0	50.1187	1.73	1.4894	0.0149	1.0000
IEEE 802.11n HT20	17.0	50.1187	1.73	1.4894	0.0149	1.0000
IEEE 802.11n HT40	16.0	39.8107	1.73	1.4894	0.0118	1.0000
IEEE 802.11ax HE20	17.0	50.1187	1.73	1.4894	0.0149	1.0000
IEEE 802.11ax HE40	16.0	39.8107	1.73	1.4894	0.0118	1.0000

[5.2G WIFI]

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
IEEE 802.11a	16.0	39.8107	4.31	2.6977	0.0214	1.0000
IEEE 802.11n HT20	16.0	39.8107	4.31	2.6977	0.0214	1.0000
IEEE 802.11n HT40	16.0	39.8107	4.31	2.6977	0.0214	1.0000
IEEE 802.11ac VHT20	16.0	39.8107	4.31	2.6977	0.0214	1.0000
IEEE 802.11ac VHT40	16.0	39.8107	4.31	2.6977	0.0214	1.0000
IEEE 802.11ac VHT80	16.0	39.8107	4.31	2.6977	0.0214	1.0000
IEEE 802.11ax HE20	16.0	39.8107	4.31	2.6977	0.0214	1.0000
IEEE 802.11ax HE40	16.0	39.8107	4.31	2.6977	0.0214	1.0000
IEEE 802.11ax HE80	16.0	39.8107	4.31	2.6977	0.0214	1.0000

[5.3G WIFI]

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
IEEE 802.11a	16.0	39.8107	4.21	2.6363	0.0209	1.0000
IEEE 802.11n HT20	16.0	39.8107	4.21	2.6363	0.0209	1.0000
IEEE 802.11n HT40	16.0	39.8107	4.21	2.6363	0.0209	1.0000
IEEE 802.11ac VHT20	16.0	39.8107	4.21	2.6363	0.0209	1.0000
IEEE 802.11ac VHT40	16.0	39.8107	4.21	2.6363	0.0209	1.0000
IEEE 802.11ac VHT80	15.0	31.6228	4.21	2.6363	0.0166	1.0000
IEEE 802.11ac VHT160	16.0	39.8107	4.21	2.6363	0.0209	1.0000
IEEE 802.11ax HE20	17.0	50.1187	4.21	2.6363	0.0263	1.0000
IEEE 802.11ax HE40	16.0	39.8107	4.21	2.6363	0.0209	1.0000
IEEE 802.11ax HE80	16.0	39.8107	4.21	2.6363	0.0209	1.0000
IEEE 802.11ax HE160	16.0	39.8107	4.21	2.6363	0.0209	1.0000

[5.5G WIFI]

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
IEEE 802.11a	17.0	50.1187	4.45	2.7861	0.0278	1.0000
IEEE 802.11n HT20	16.0	39.8107	4.45	2.7861	0.0221	1.0000
IEEE 802.11n HT40	17.0	50.1187	4.45	2.7861	0.0278	1.0000
IEEE 802.11ac VHT20	16.0	39.8107	4.45	2.7861	0.0221	1.0000
IEEE 802.11ac VHT40	17.0	50.1187	4.45	2.7861	0.0278	1.0000
IEEE 802.11ac VHT80	16.0	39.8107	4.45	2.7861	0.0221	1.0000
IEEE 802.11ac VHT160	16.0	39.8107	4.45	2.7861	0.0221	1.0000
IEEE 802.11ax HE20	16.0	39.8107	4.45	2.7861	0.0221	1.0000
IEEE 802.11ax HE40	17.0	50.1187	4.45	2.7861	0.0278	1.0000
IEEE 802.11ax HE80	16.0	39.8107	4.45	2.7861	0.0221	1.0000
IEEE 802.11ax HE160	16.0	39.8107	4.45	2.7861	0.0221	1.0000

[5.8G WIFI]

Modulation Type	Output power		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)
	dBm	mW				
IEEE 802.11a	16.0	39.8107	4.45	2.7861	0.0221	1.0000
IEEE 802.11n HT20	17.0	50.1187	4.45	2.7861	0.0278	1.0000
IEEE 802.11n HT40	16.0	39.8107	4.45	2.7861	0.0221	1.0000
IEEE 802.11ac VHT20	16.0	39.8107	4.45	2.7861	0.0221	1.0000
IEEE 802.11ac VHT40	16.0	39.8107	4.45	2.7861	0.0221	1.0000
IEEE 802.11ac VHT80	16.0	39.8107	4.45	2.7861	0.0221	1.0000
IEEE 802.11ax HE20	17.0	50.1187	4.45	2.7861	0.0278	1.0000
IEEE 802.11ax HE40	16.0	39.8107	4.45	2.7861	0.0221	1.0000
IEEE 802.11ax HE80	16.0	39.8107	4.45	2.7861	0.0221	1.0000

Remark:

1. Output power including tune-up tolerance;
2. Output power was adjust to duty cycle at 100% if measured duty cycle less than 98%;

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3. MPE evaluate distance is 20cm from user manual provide by manufacturer.

7.2 Simultaneous Transmission MPE Evaluation

The sample support only one BT/BLE/2.4GWLAN&5.2GWLAN&5.3GWLAN &5.5GWLAN &5.8GWLAN modular , so no need consider simultaneous transmission;

8. Conclusion

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

9. Description of Test Facility

Site Description
EMC Lab. : CNAS Registration Number is L11555
A2LA Certificate Number: 5099.01
FCC Designation Number is CN1379
Test Firm Registration Number: 729882

10. Measurement Uncertainty

BT/BLE/2.4GWIFI/5.2GWIFI/5.3GWIFI/5.5GWIFI/5.8GWIFI:

Test Item	Frequency Range	Uncertainty	Note
Output power	1GHz-40GHz	±0.57dB	(1)

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

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