

RF Exposure evaluation

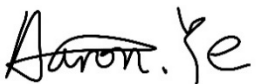
Product Name : MINIPC
Brand Name : N/A
Model : MS-02U-285HX
Series Model : See page 6
FCC ID : 2A49R-MS-02-ULTRA
Applicant : MICRO COMPUTER (HK) TECH LIMITED
Address : RM 18, 28/F, Shui On Centre, 6-8 Harbour Road, WaterfRont,
Wan Chai, HK
Manufacturer : MICRO COMPUTER (HK) TECH LIMITED
Address : RM 18, 28/F, Shui On Centre, 6-8 Harbour Road, WaterfRont,
Wan Chai, HK
Standard(s) : 47CFR §1.1310, 47CFR §2.1091
KDB447498 D01 General RF Exposure Guidance v06
Date of Receipt : Oct. 11, 2025
Date of Test : Oct. 12, 2025~ Nov. 03, 2025
Issued Date : Nov. 04, 2025

Issued By: Guangdong Asia Hongke Test Technology Limited

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Note: This device has been tested and found to comply with the standard(s) listed, this 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. This report shall not be reproduced except in full, without the written approval of Guangdong Asia Hongke Test Technology Limited. If there is a need to alter or revise this document, the right belongs to Guangdong Asia Hongke Test Technology Limited, and it should give a prior written notice of the revision document. This test report must not be used by the client to claim product endorsement.



Report Revise Record

Report Version	Issued Date	Notes
M0	Nov. 04, 2025	Initial Release

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1 GENERAL INFORMATION

1.1 Environmental conditions

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

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101 kPa

1.2 General Description of EUT

Product Name:	MINIPC
Model/Type reference:	MS-02U-285HX
Serial Model:	MS-02U-275HX, MS-02U-265HX, MS-02U-255HX, MS-02U-245HX, MS-02U-235HX, MS-02***** (where*="0-9", "A-Z" "a-z", ".", blank space, no character difference between each model is only due to the different model naming methods for different sales regions, other circuit principles, safety structures and key components are all the same, and the difference not affect the safety and electromagnetic compatibility performance of the product.)
Power Supply:	AC 100-240V5.0A
Hardware Version:	V1.0
Software Version:	Win11 24H2
Sample(s) Status:	AiTSZ-251011020-1(Normal sample) AiTSZ-251011020-2(Engineer sample)
Bluetooth:	
Supported type:	Bluetooth BR/EDR
Modulation:	GFSK, $\pi/4$ DQPSK, 8DPSK
Operation frequency:	2402MHz~2480MHz
Channel number:	79
Channel separation:	1MHz
Antenna type:	PIFA antenna
Antenna gain:	1.33dBi
Bluetooth LE:	
Supported type:	Bluetooth Low Energy
Modulation:	GFSK
Operation frequency:	2402MHz~2480MHz
Channel number:	40
Channel separation:	2MHz
Antenna type:	PIFA antenna
Antenna gain:	1.33dBi
2.4G WIFI:	
Supported type:	802.11b/g/n(H20)/n(H40)/ax(HE20)/ax(HE40)/be(EHT20)/be(EHT40)

Modulation:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11ax: OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK) 802.11be: OFDMA (4096QAM,1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)			
Operation frequency:	802.11b/g/n(H20)/ax(HE20)/be(EHT20): 2412MHz~2462MHz 802.11n(H40)/ax(HE40)/be(EHT40):2422MHz~2452MHz			
Channel number:	802.11b/g/n(H20)/ax(HE20)/be(EHT20): 11 802.11n(H40)/ax(HE40)/be(EHT40):7			
Channel separation:	5MHz			
Antenna type:	PIFA Antenna MIMO 2*2			
Antenna gain:	Antenna 1:1.33Bi, Antenna 2:2.10dBi			
Directional gain:	4.73dBi			
5G WIFI:				
Supported type:	20MHz system	40MHz system	80MHz system	160MHz system
	802.11a 802.11n 802.11ac 802.11ax 802.11be	802.11n 802.11ac 802.11ax 802.11be	802.11ac 802.11ax 802.11be	802.11ac 802.11ax 802.11be
Operation frequency:	5180-5240MHz 5260-5320MHz 5500-5700MHz 5745-5825MHz	5190-5230MHz 5270-5310MHz 5510-5670MHz 5755-5795MHz	5210MHz 5290MHz 5530MHz 5610MHz 5775MHz	5250MHz 5570MHz
Modulation:	OFDM/OFDMA	OFDM/OFDMA	OFDM/OFDMA	OFDM/OFDMA
Channel number:	24	11	5	2
Channel separation:	20MHz	40MHz	80MHz	160MHz
MIMO	Support MIMO 2*2			
Antenna type:	PIFA Antenna MIMO 2*2			
Antenna gain:	Antenna1: 6.06dBi Antenna2: 3.67dBi			
Directional gain:	7.96dBi			
5.9G WIFI:				
Supported type:	20MHz system	40MHz system	80MHz system	160MHz system
	802.11a 802.11n 802.11ac 802.11ax 802.11be	802.11n 802.11ac 802.11ax 802.11be	802.11ac 802.11ax 802.11be	802.11ac 802.11ax 802.11be
Operation frequency:	5845-5885MHz	5835MHz- 5875MHz	5850MHz	5815
Modulation:	OFDM/OFDMA	OFDM/OFDMA	OFDM/OFDMA	OFDM/OFDMA
Channel number:	3	2	1	1
Channel separation:	20MHz	40MHz	80MHz	160MHz
MIMO	Support MIMO 2*2			

Antenna type:	PIFA Antenna MIMO 2*2			
Antenna gain:	Antenna1: 6.06dBi Antenna2: 3.67dBi			
Directional gain:	7.96dBi			
6G WIFI:				
Supported type:	20MHz system	40MHz system	80MHz system	160MHz system
	802.11ax 802.11be	802.11ax 802.11be	802.11ax 802.11be	802.11ax 802.11be
Operation frequency:	5955-6415MHz 6435-6515MHz 6535-6855MHz 6895-7115MHz	5965-6405MHz 6445-6485MHz 6525-6845MHz 6885-7085MHz	5985-6385MHz 6465MHz 6545-6865MHz 6945-7025MHz	6025-6985MHz
Modulation:	OFDMA	OFDMA	OFDMA	OFDMA
Channel number:	59	29	13	7
Channel separation:	20MHz	40MHz	80MHz	160MHz
MIMO	Support MIMO 2*2			
Antenna type:	PIFA Antenna MIMO 2*2			
Antenna gain:	Antenna1: 5.07dBi Antenna2: 1.84dBi			
Directional gain:	6.61dBi			
Remark: The above DUT's information was declared by manufacturer. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.				

1.3 Test Facility

Test Laboratory:

Guangdong Asia Hongke Test Technology Limited

B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

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

FCC-Registration No.: 251906 Designation Number: CN1376

Guangdong Asia Hongke Test Technology Limited 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.

IC —Registration No.: 31737 CAB identifier: CN0165

The 3m Semi-anechoic chamber of Guangdong Asia Hongke Test Technology Limited has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 31737

A2LA-Lab Cert. No.: 7133.01

Guangdong Asia Hongke Test Technology Limited 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.

1.4 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 according 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 Guangdong Asia Hongke Test Technology Limited's quality system according 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 Asia Hongke laboratory is reported:

Test	Measurement Uncertainty	Notes
Power Line Conducted Emission	9KHz~30MHz ± 1.20 dB	(1)
Radiated Emission	9KHz~30MHz ± 3.10 dB	(1)
Radiated Emission	30MHz~1GHz ± 3.75 dB	(1)
Radiated Emission	1GHz~18GHz ± 3.88 dB	(1)
Radiated Emission	18GHz~40GHz ± 3.88 dB	(1)
RF power, conducted	30MHz~6GHz ± 0.16 dB	(1)
RF power density, conducted	± 0.24 dB	(1)
Spurious emissions, conducted	± 0.21 dB	(1)
Temperature	$\pm 1^{\circ}\text{C}$	(1)
Humidity	$\pm 3\%$	(1)
DC and low frequency voltages	$\pm 1.5\%$	(1)
Time	$\pm 2\%$	(1)
Duty cycle	$\pm 2\%$	(1)

The report uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty Multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

2 Method of measurement

2.1 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.

FCC KDB447498 D01 General RF Exposure Guidance v06: Mobile and Portable Device, RF Exposure, Equipment Authorization Procedures

2.2 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)*	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)*	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

2.3 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

2.4 Antenna Information

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

Antenna	Model No. of antenna:	Type of antenna:	Gain of the antenna (Max.)	Frequency range:
WIFI/BT	/	PIFA Antenna	Antenna1 Gain: 2.4G WIFI: 1.33dBi(Max.) 5G WIFI B1-B4: 6.06dBi(Max.) 5G WIFI B5-B8: 5.07dBi(Max.) Antenna2 Gain: 2.4G WIFI: 2.10dBi(Max.) 5G WIFI B1-B4: 3.67dBi(Max.) 5G WIFI B5-B8: 1.84dBi(Max.) Directional Gain: 2.4G WIFI: 4.73dBi 5G WIFI B1-B4: 7.96dBi 5G WIFI B5-B8: 6.61dBi	2400-2500MHz 5150-7125MHz

2.5 Manufacturing Tolerance

2.4GHz WLAN						
IEEE 802.11b (Peak)						
Frequency (MHz)	Antenna 1			Antenna 2		
	2412	2437	2462	2412	2437	2462
Target (dBm)	15.0	15.0	15.0	10.0	10.0	10.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11g (Peak)						
Frequency (MHz)	Antenna 1			Antenna 2		
	2412	2437	2462	2412	2437	2462
Target (dBm)	16.0	14.0	14.0	11.0	10.0	10.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11n HT20 (Peak)						
Frequency (MHz)	Antenna 1			Antenna 2		
	2412	2437	2462	2412	2437	2462
Target (dBm)	14.0	13.0	13.0	12.0	11.0	11.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11n HT40 (Peak)						
Frequency (MHz)	Antenna 1			Antenna 2		
	2422	2437	2452	2422	2437	2452
Target (dBm)	14.0	13.0	13.0	12.0	11.0	11.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW20 (Peak)						
Frequency (MHz)	Antenna 1			Antenna 2		
	2412	2437	2462	2412	2437	2462
Target (dBm)	14.0	14.0	13.0	12.0	12.0	11.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW40 (Peak)						

5GHz WLAN Band 1						
IEEE 802.11a (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5180	5200	5240	5180	5200	5240
Target (dBm)	9.0	9.0	9.0	8.0	8.0	8.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11n HT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5180	5200	5240	5180	5200	5240
Target (dBm)	9.0	9.0	9.0	9.0	9.0	9.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ac VHT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5180	5200	5240	5180	5200	5240
Target (dBm)	9.0	9.0	9.0	9.0	9.0	9.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5180	5200	5240	5180	5200	5240
Target (dBm)	9.0	9.0	9.0	9.0	9.0	9.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5180	5200	5240	5180	5200	5240
Target (dBm)	9.0	9.0	9.0	9.0	9.0	9.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11n HT40 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	5190	5230	5190	5230		
Target (dBm)	9.0	9.0	9.0	9.0		
Tolerance ± (dB)	1.0	1.0	1.0	1.0		
IEEE 802.11ac VHT40 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	5190	5230	5190	5230		
Target (dBm)	9.0	9.0	9.0	9.0		
Tolerance ± (dB)	1.0	1.0	1.0	1.0		
IEEE 802.11ax HEW40 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	5190	5230	5190	5230		
Target (dBm)	9.0	9.0	9.0	9.0		
Tolerance ± (dB)	1.0	1.0	1.0	1.0		
IEEE 802.11be EHT40 (Average)						

Frequency (MHz)	Antenna 1		Antenna 2	
	5190	5230	5190	5230
Target (dBm)	9.0	9.0	10.0	10.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0
IEEE 802.11ac VHT80 (Average)				
Frequency (MHz)	Antenna 1		Antenna 2	
	5210		5210	
Target (dBm)	9.0		9.0	
Tolerance ± (dB)	1.0		1.0	
IEEE 802.11ax HEW80 (Average)				
Frequency (MHz)	Antenna 1		Antenna 2	
	5210		5210	
Target (dBm)	9.0		9.0	
Tolerance ± (dB)	1.0		1.0	
IEEE 802.11EHTW80 (Average)				
Frequency (MHz)	Antenna 1		Antenna 2	
	5210		5210	
Target (dBm)	9.0		9.0	
Tolerance ± (dB)	1.0		1.0	

5GHz WLAN Band 2A

IEEE 802.11a (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5260	5300	5320	5260	5300	5320
Target (dBm)	9.0	9.0	9.0	8.0	7.0	7.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11n HT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5260	5300	5320	5260	5300	5320
Target (dBm)	9.0	9.0	9.0	9.0	9.0	9.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ac VHT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5260	5300	5320	5260	5300	5320
Target (dBm)	9.0	9.0	9.0	8.0	7.0	7.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5260	5300	5320	5260	5300	5320
Target (dBm)	9.0	9.0	9.0	8.0	7.0	7.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5260	5300	5320	5260	5300	5320
Target (dBm)	9.0	9.0	9.0	8.0	7.0	7.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11n HT40 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	5270	5310	5270		5310	
Target (dBm)	9.0	9.0	9.0		9.0	
Tolerance ± (dB)	1.0	1.0	1.0		1.0	
IEEE 802.11ac VHT40 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	5270	5310	5270		5310	
Target (dBm)	9.0	9.0	8.0		7.0	
Tolerance ± (dB)	1.0	1.0	1.0		1.0	

IEEE 802.11ax HEW40 (Average)				
Frequency (MHz)	Antenna 1		Antenna 2	
	5270	5310	5270	5310
Target (dBm)	9.0	9.0	8.0	7.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0
IEEE 802.11be EHT40 (Average)				
Frequency (MHz)	Antenna 1		Antenna 2	
	5270	5310	5270	5310
Target (dBm)	10.0	10.0	8.0	8.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0
IEEE 802.11ac VHT80 (Average)				
Frequency (MHz)	Antenna 1		Antenna 2	
	5290		5290	
Target (dBm)	8.0		8.0	
Tolerance ± (dB)	1.0		1.0	
IEEE 802.11ax HEW80 (Average)				
Frequency (MHz)	Antenna 1		Antenna 2	
	5290		5290	
Target (dBm)	8.0		8.0	
Tolerance ± (dB)	1.0		1.0	
IEEE 802.11EHTW80 (Average)				
Frequency (MHz)	Antenna 1		Antenna 2	
	5290		5290	
Target (dBm)	8.0		8.0	
Tolerance ± (dB)	1.0		1.0	

5GHz WLAN Band 1+2A

IEEE 802.11ac VHT160 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5250	5250
Target (dBm)	7.0	9.0
Tolerance ± (dB)	1.0	1.0
IEEE 802.11ax HEW160 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5250	5250
Target (dBm)	7.0	7.0
Tolerance ± (dB)	1.0	1.0
IEEE 802.11EHTW80 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5250	5250
Target (dBm)	7.0	7.0
Tolerance ± (dB)	1.0	1.0

5GHz WLAN Band 2C

IEEE 802.11a (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5500	5580	5700	5500	5580	5700
Target (dBm)	10.0	10.0	9.0	7.0	7.0	7.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11n HT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5500	5580	5700	5500	5580	5700
Target (dBm)	10.0	10.0	9.0	8.0	8.0	8.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ac VHT20 (Average)						
Antenna 1				Antenna 2		

(MHz)	5500	5580	5700	5500	5580	5700
Target (dBm)	10.0	10.0	9.0	7.0	7.0	7.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5500	5580	5700	5500	5580	5700
Target (dBm)	10.0	10.0	9.0	7.0	7.0	7.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5500	5580	5700	5500	5580	5700
Target (dBm)	10.0	10.0	9.0	7.0	7.0	7.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11n HT40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5510	5550	5670	5510	5550	5670
Target (dBm)	10.0	10.0	8.0	8.0	8.0	8.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ac VHT40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5510	5550	5670	5510	5550	5670
Target (dBm)	10.0	10.0	9.0	7.0	7.0	7.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5510	5550	5670	5510	5550	5670
Target (dBm)	10.0	10.0	9.0	7.0	7.0	7.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5510	5550	5670	5510	5550	5670
Target (dBm)	10.0	10.0	9.0	7.0	7.0	7.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ac VHT80 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	5530	5610	5530	5610		
Target (dBm)	10.0	9.0	7.0	7.0		
Tolerance ± (dB)	1.0	1.0	1.0	1.0		
IEEE 802.11ax HEW80 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	5530	5610	5530	5610		
Target (dBm)	10.0	9.0	7.0	7.0		
Tolerance ± (dB)	1.0	1.0	1.0	1.0		
IEEE 802.11EHTW80 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	5530	5610	5530	5610		
Target (dBm)	10.0	9.0	7.0	7.0		
Tolerance ± (dB)	1.0	1.0	1.0	1.0		
IEEE 802.11ac VHT160 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	5570		5570			
Target (dBm)	9.0		8.0			
Tolerance ± (dB)	1.0		1.0			
IEEE 802.11ax HEW160 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	5570		5570			
Target (dBm)	9.0		8.0			

Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11EHTW160 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5570	5570
Target (dBm)	9.0	8.0
Tolerance $\pm$ (dB)	1.0	1.0

5GHz WLAN Band 3

IEEE 802.11a (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5745	5785	5825	5745	5785	5825
Target (dBm)	9.0	9.0	9.0	9.0	10.0	10.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11n HT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5745	5785	5825	5745	5785	5825
Target (dBm)	9.0	9.0	9.0	9.0	9.0	9.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ac VHT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5745	5785	5825	5745	5785	5825
Target (dBm)	9.0	9.0	9.0	8.0	8.0	8.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5745	5785	5825	5745	5785	5825
Target (dBm)	9.0	9.0	9.0	8.0	10.0	10.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5745	5785	5825	5745	5785	5825
Target (dBm)	9.0	9.0	9.0	8.0	8.0	8.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11n HT40 (Average)						
Frequency (MHz)	Antenna 1		5795	Antenna 2		5795
	5755			5755		
Target (dBm)	9.0		9.0	9.0		9.0
Tolerance $\pm$ (dB)	1.0		1.0	1.0		1.0
IEEE 802.11ac VHT40 (Average)						
Frequency (MHz)	Antenna 1		5795	Antenna 2		5795
	5755			5755		
Target (dBm)	9.0		9.0	8.0		8.0
Tolerance $\pm$ (dB)	1.0		1.0	1.0		1.0
IEEE 802.11ax HEW40 (Average)						
Frequency (MHz)	Antenna 1		5795	Antenna 2		5795
	5755			5755		
Target (dBm)	9.0		9.0	8.0		8.0
Tolerance $\pm$ (dB)	1.0		1.0	1.0		1.0
IEEE 802.11be EHT40 (Average)						
Frequency (MHz)	Antenna 1		5795	Antenna 2		5795
	5755			5755		
Target (dBm)	9.0		9.0	10.0		10.0
Tolerance $\pm$ (dB)	1.0		1.0	1.0		1.0
IEEE 802.11ac VHT80 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5775			5775		

Target (dBm)	9.0	8.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11ax HEW80 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5775	5775
Target (dBm)	9.0	8.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11EHTW80 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5775	5775
Target (dBm)	9.0	8.0
Tolerance $\pm$ (dB)	1.0	1.0

5GHz WLAN Band 4

IEEE 802.11a (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5845	5865	5885	5845	5865	5885
Target (dBm)	10.0	10.0	9.0	11.0	10.0	10.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11n HT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5845	5865	5885	5845	5865	5885
Target (dBm)	10.0	10.0	9.0	10.0	10.0	10.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ac VHT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5845	5865	5885	5845	5865	5885
Target (dBm)	10.0	10.0	9.0	10.0	10.0	10.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5845	5865	5885	5845	5865	5885
Target (dBm)	10.0	10.0	8.0	10.0	10.0	10.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5845	5865	5885	5845	5865	5885
Target (dBm)	10.0	10.0	8.0	10.0	10.0	10.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11n HT40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5875			5875		
Target (dBm)	10.0			10.0		
Tolerance ± (dB)	1.0			1.0		
IEEE 802.11ac VHT40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5875			5875		
Target (dBm)	10.0			10.0		
Tolerance ± (dB)	1.0			1.0		
IEEE 802.11ax HEW40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5875			5875		
Target (dBm)	10.0			10.0		
Tolerance ± (dB)	1.0			1.0		
IEEE 802.11be EHT40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5875			5875		

Target (dBm)	10.0	10.0
Tolerance $\pm$ (dB)	1.0	1.0

5GHz WLAN Band 3+4

IEEE 802.11n HT40 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5835	5835
Target (dBm)	8.0	10.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11ac VHT40 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5835	5835
Target (dBm)	8.0	10.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11ax HEW40 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5835	5835
Target (dBm)	8.0	10.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11be EHT40 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5835	5835
Target (dBm)	8.0	10.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11ac VHT80 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5850	5850
Target (dBm)	8.0	10.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11ax HEW80 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5850	5850
Target (dBm)	8.0	10.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11be EHT80 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5850	5850
Target (dBm)	8.0	10.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11ac VHT160 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5815	5815
Target (dBm)	8.0	10.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11ax HEW160 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5815	5815
Target (dBm)	8.0	10.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11be EHT160 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	5815	5815
Target (dBm)	8.0	10.0
Tolerance $\pm$ (dB)	1.0	1.0

6GHz WLAN Band 5

IEEE 802.11ax HEW20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5955	6175	6415	5955	6175	6415
Target (dBm)	0.0	0.0	0.0	-1.0	0.0	0.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5955	6175	6415	5955	6175	6415
Target (dBm)	0.0	0.0	0.0	-1.0	-1.0	1.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5955	6175	6415	5955	6175	6415
Target (dBm)	3.0	0.0	3.0	1.0	2.0	3.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5955	6175	6415	5955	6175	6415
Target (dBm)	3.0	2.0	3.0	2.0	3.0	3.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW80 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5985	6145	6385	5985	6145	6385
Target (dBm)	2.0	2.0	2.0	1.0	2.0	3.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT80 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5985	6145	6385	5985	6145	6385
Target (dBm)	1.0	1.0	1.0	3.0	3.0	3.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW160 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5985	6145	6385	5985	6145	6385
Target (dBm)	3.0	3.0	3.0	4.0	4.0	4.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT160 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	5985	6145	6385	5985	6145	6385
Target (dBm)	2.0	1.0	1.0	4.0	3.0	3.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0	1.0	1.0	1.0

6GHz WLAN Band 6

IEEE 802.11ax HEW20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6435	6475	6515	6435	6475	6515
Target (dBm)	0.0	0.0	0.0	0.0	0.0	0.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6435	6475	6515	6435	6475	6515
Target (dBm)	0.0	0.0	0.0	1.0	0.0	0.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW40 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	6445	6485	6445	6485		
Target (dBm)	3.0	3.0	3.0	3.0		
Tolerance ± (dB)	1.0	1.0	1.0	1.0		
IEEE 802.11be EHT40 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	6445	6485	6445	6485		
Target (dBm)	2.0	2.0	3.0	3.0		
Tolerance ± (dB)	1.0	1.0	1.0	1.0		
IEEE 802.11ax HEW80 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	6465		6465			
Target (dBm)	3.0		3.0			
Tolerance ± (dB)	1.0		1.0			
IEEE 802.11be EHT80 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	6465		6465			
Target (dBm)	2.0		2.0			
Tolerance ± (dB)	1.0		1.0			

6GHz WLAN Band 7

IEEE 802.11ax HEW20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6535	6695	6855	6535	6695	6855
Target (dBm)	0.0	-1.0	-1.0	0.0	0.0	-1.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6535	6695	6855	6535	6695	6855
Target (dBm)	0.0	-1.0	-1.0	0.0	0.0	-1.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6565	6685	6845	6565	6685	6845
Target (dBm)	2.0	0.0	0.0	1.0	1.0	1.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6565	6685	6845	6565	6685	6845
Target (dBm)	0.0	0.0	0.0	1.0	1.0	1.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW80 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6625	6705	6785	6625	6705	6785
Target (dBm)	0.0	0.0	-1.0	1.0	1.0	1.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT80 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6625	6705	6785	6625	6705	6785
Target (dBm)	-1.0	-1.0	-2.0	0.0	0.0	0.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW160 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6665			6665		
Target (dBm)	2.0			3.0		
Tolerance ± (dB)	1.0			1.0		
IEEE 802.11ax EHT160 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6665			6665		
Target (dBm)	0.0			1.0		
Tolerance ± (dB)	1.0			1.0		

6GHz WLAN Band 6+7

IEEE 802.11ax HEW40 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6525	6525
Target (dBm)	2.0	2.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11be EHT40 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6525	6525
Target (dBm)	2.0	2.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11ax HEW80 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6545	6545
Target (dBm)	2.0	2.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11be EHT80 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6545	6545
Target (dBm)	1.0	1.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11ax HEW160 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6505	6505
Target (dBm)	3.0	3.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11be EHT160 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6505	6505
Target (dBm)	2.0	2.0
Tolerance $\pm$ (dB)	1.0	1.0

6GHz WLAN Band 8

IEEE 802.11ax HEW20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6895	6995	7115	6895	6995	7115
Target (dBm)	-3.0	-4.0	-12.0	-4.0	-3.0	-12.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT20 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6895	6995	7115	6895	6995	7115
Target (dBm)	-3.0	-4.0	-12.0	-4.0	-3.0	-12.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6925	7005	7085	6925	7005	7085
Target (dBm)	-1.0	-1.0	-1.0	-2.0	-2.0	-2.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11be EHT40 (Average)						
Frequency (MHz)	Antenna 1			Antenna 2		
	6925	7005	7085	6925	7005	7085
Target (dBm)	-1.0	-1.0	-1.0	0.0	0.0	0.0
Tolerance ± (dB)	1.0	1.0	1.0	1.0	1.0	1.0
IEEE 802.11ax HEW80 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	6945	7025	6945	7025		
Target (dBm)	-1.0	1.0	-1.0	1.0		
Tolerance ± (dB)	1.0	1.0	1.0	1.0		
IEEE 802.11be EHT80 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	6945	7025	6945	7025		
Target (dBm)	-1.0	0.0	1.0	1.0		
Tolerance ± (dB)	1.0	1.0	1.0	1.0		
IEEE 802.11ax HEW160 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	6985		6985			
Target (dBm)	1.0		1.0			
Tolerance ± (dB)	1.0		1.0			
IEEE 802.11ax EHT160 (Average)						
Frequency (MHz)	Antenna 1		Antenna 2			
	6985		6985			
Target (dBm)	1.0		3.0			
Tolerance ± (dB)	1.0		1.0			

6GHz WLAN Band 7+8

IEEE 802.11ax HEW20 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6875	6875
Target (dBm)	-4.0	-4.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11be EHT20 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6875	6875
Target (dBm)	-4.0	-4.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11ax HEW40 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6885	6885
Target (dBm)	-2.0	-2.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11be EHT40 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6885	6885
Target (dBm)	-2.0	-2.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11ax HEW80 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6545	6545
Target (dBm)	0.0	0.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11be EHT80 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6865	6865
Target (dBm)	-1.0	-1.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11ax HEW160 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6865	6865
Target (dBm)	2.0	3.0
Tolerance $\pm$ (dB)	1.0	1.0
IEEE 802.11be EHT160 (Average)		
Frequency (MHz)	Antenna 1	Antenna 2
	6825	6825
Target (dBm)	1.0	2.0
Tolerance $\pm$ (dB)	1.0	1.0

BT

GFSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	5	6	5
Tolerance $\pm$ (dB)	1.0	1.0	1.0
$\pi/4$ DQPSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	5	6	5
Tolerance $\pm$ (dB)	1.0	1.0	1.0
8DPSK			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	5	6	5
Tolerance $\pm$ (dB)	1.0	1.0	1.0
BLE 1M GFSK (Peak)			
Channel	Channel 0	Channel 19	Channel 39
Target (dBm)	1	1	1
Tolerance $\pm$ (dB)	1.0	1.0	1.0
BLE 2M GFSK (Peak)			
Channel	Channel 0	Channel 19	Channel 39
Target (dBm)	1	1	1
Tolerance $\pm$ (dB)	1.0	1.0	1.0

2.6 MPE Result

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 is refer to section 2.4, the RF power density can be obtained.

Standalone

WIFI2.4G Antenna 1

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11b	16.0	39.8107	1.33	1.3583	0.01076	1.0000	0.0108
IEEE 802.11g	17.0	50.1187	1.33	1.3583	0.01354	1.0000	0.0135
IEEE 802.11n HT20	15.0	31.6228	4.73	2.9717	0.01870	1.0000	0.0187
IEEE 802.11n HT40	15.0	31.6228	4.73	2.9717	0.0187	1.0000	0.0187
IEEE 802.11ax HEW20	15.0	31.6228	4.73	2.9717	0.0187	1.0000	0.0187
IEEE 802.11ax HEW40	15.0	31.6228	4.73	2.9717	0.0187	1.0000	0.0187
IEEE 802.11be EHT20	16.0	39.8107	4.73	2.9717	0.02354	1.0000	0.0235
IEEE 802.11be EHT40	16.0	39.8107	4.73	2.9717	0.02354	1.0000	0.0235

WIFI2.4G Antenna 2

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11b	11.0	12.5893	2.1	1.6218	0.00406	1.0000	0.0041
IEEE 802.11g	12.0	15.8489	2.1	1.6218	0.00511	1.0000	0.0051
IEEE 802.11n HT20	13.0	19.9526	4.73	2.9717	0.01180	1.0000	0.0118
IEEE 802.11n HT40	13.0	19.9526	4.73	2.9717	0.0118	1.0000	0.0118
IEEE 802.11ax HEW20	13.0	19.9526	4.73	2.9717	0.0118	1.0000	0.0118
IEEE 802.11ax HEW40	13.0	19.9526	4.73	2.9717	0.0118	1.0000	0.0118
IEEE 802.11be EHT20	13.0	19.9526	4.73	2.9717	0.01180	1.0000	0.0118
IEEE 802.11be EHT40	13.0	19.9526	4.73	2.9717	0.01180	1.0000	0.0118

5GHz WLAN Band 1 Antenna 1

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11a	10.0	10.0000	6.06	4.0365	0.00803	1.0000	0.0080
IEEE 802.11n HT20	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ac VHT20	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ax HEW20	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11be EHT20	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11n HT40	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11ac VHT40	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ax HEW40	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11be EHT40	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124

IEEE 802.11ac VHT80	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11ax HEW80	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11be EHT80	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124

5GHz WLAN Band 1 Antenna 2

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11a	9.0	7.9433	3.67	2.3281	0.00368	1.0000	0.0037
IEEE 802.11n HT20	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ac VHT20	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ax HEW20	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11be EHT20	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11n HT40	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11ac VHT40	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ax HEW40	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11be EHT40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ac VHT80	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11ax HEW80	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11be EHT80	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124

5GHz WLAN Band 2A Antenna 1

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11a	10.0	10.0000	6.06	4.0365	0.00803	1.0000	0.0080
IEEE 802.11n HT20	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ac VHT20	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ax HEW20	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11be EHT20	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11n HT40	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11ac VHT40	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ax HEW40	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11be EHT40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ac VHT80	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099
IEEE 802.11ax HEW80	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099
IEEE 802.11be EHT80	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099

5GHz WLAN Band 2A Antenna 2

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11a	9.0	7.9433	3.67	2.3281	0.00368	1.0000	0.0037
IEEE 802.11n HT20	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ac VHT20	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11ax HEW20	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099

IEEE 802.11be EHT20	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099
IEEE 802.11n HT40	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11ac VHT40	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11ax HEW40	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11be EHT40	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11ac VHT80	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099
IEEE 802.11ax HEW80	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099
IEEE 802.11be EHT80	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099

5GHz WLAN Band 1+2A Antenna 1

Modulation Type	Output power with tune_up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ac HEW160	8.0	6.3096	7.96	6.2517	0.00785	1.0000	0.0079
IEEE 802.11ax HEW160	8.0	6.3096	7.96	6.2517	0.00785	1.0000	0.0079
IEEE 802.11be EHT160	8.0	6.3096	7.96	6.2517	0.00785	1.0000	0.0079

5GHz WLAN Band 1+2A Antenna 2

Modulation Type	Output power with tune_up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ac HEW160	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ax HEW160	8.0	6.3096	7.96	6.2517	0.00785	1.0000	0.0079
IEEE 802.11be EHT160	8.0	6.3096	7.96	6.2517	0.00785	1.0000	0.0079

5GHz WLAN Band 2C Antenna 1

Modulation Type	Output power with tune_up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11a	11.0	12.5893	6.06	4.0365	0.01011	1.0000	0.0101
IEEE 802.11n HT20	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ac VHT20	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ax HEW20	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11be EHT20	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11n HT40	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11ac VHT40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ax HEW40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11be EHT40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ac VHT80	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11ax HEW80	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11be EHT80	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11ac VHT160	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ax HEW160	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11be EHT160	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124

5GHz WLAN Band 2C Antenna 2

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11a	8.0	6.3096	3.67	2.3281	0.00292	1.0000	0.0029
IEEE 802.11n HT20	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11ac VHT20	8.0	6.3096	7.96	6.2517	0.00785	1.0000	0.0079
IEEE 802.11ax HEW20	8.0	6.3096	7.96	6.2517	0.0078	1.0000	0.0078
IEEE 802.11be EHT20	8.0	6.3096	7.96	6.2517	0.0078	1.0000	0.0078
IEEE 802.11n HT40	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099
IEEE 802.11ac VHT40	8.0	6.3096	7.96	6.2517	0.00785	1.0000	0.0079
IEEE 802.11ax HEW40	8.0	6.3096	7.96	6.2517	0.00785	1.0000	0.0079
IEEE 802.11be EHT40	8.0	6.3096	7.96	6.2517	0.00785	1.0000	0.0079
IEEE 802.11ac VHT80	8.0	6.3096	7.96	6.2517	0.0078	1.0000	0.0078
IEEE 802.11ax HEW80	8.0	6.3096	7.96	6.2517	0.0078	1.0000	0.0078
IEEE 802.11be EHT80	8.0	6.3096	7.96	6.2517	0.0078	1.0000	0.0078
IEEE 802.11ac VHT160	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11ax HEW160	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11be EHT160	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099

5GHz WLAN Band 3 Antenna 1

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11a	10.0	10.0000	6.06	4.0365	0.00803	1.0000	0.0080
IEEE 802.11n HT20	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ac VHT20	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ax HEW20	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11be EHT20	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11n HT40	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11ac VHT40	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ax HEW40	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11be EHT40	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ac VHT80	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11ax HEW80	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11be EHT80	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124

5GHz WLAN Band 3 Antenna 2

Modulation Type	Output power with tune_up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11a	11.0	12.5893	3.67	2.3281	0.00583	1.0000	0.0058
IEEE 802.11n HT20	10.0	10.0000	7.96	6.2517	0.01244	1.0000	0.0124
IEEE 802.11ac VHT20	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11ax HEW20	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11be EHT20	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099
IEEE 802.11n HT40	10.0	10.0000	7.96	6.2517	0.0124	1.0000	0.0124
IEEE 802.11ac VHT40	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11ax HEW40	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11be EHT40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ac VHT80	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099
IEEE 802.11ax HEW80	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099
IEEE 802.11be EHT80	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099

5GHz WLAN Band 4 Antenna 1

Modulation Type	Output power with tune_up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11a	11.0	12.5893	6.06	4.0365	0.01011	1.0000	0.0101
IEEE 802.11n HT20	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ac VHT20	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ax HEW20	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11be EHT20	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11n HT40	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11ac VHT40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ax HEW40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11be EHT40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157

5GHz WLAN Band 4 Antenna 2

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11a	12.0	15.8489	3.67	2.3281	0.00734	1.0000	0.0073
IEEE 802.11n HT20	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ac VHT20	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ax HEW20	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11be EHT20	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11n HT40	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11ac VHT40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ax HEW40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11be EHT40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157

5GHz WLAN Band 3+4 Antenna 1

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11n HT40	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11ac VHT40	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11ax HEW40	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11be EHT40	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099
IEEE 802.11ac VHT80	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099
IEEE 802.11ax HEW80	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099
IEEE 802.11be EHT80	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11ac VHT160	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11ax HEW160	9.0	7.9433	7.96	6.2517	0.00988	1.0000	0.0099
IEEE 802.11be EHT160	9.0	7.9433	7.96	6.2517	0.0099	1.0000	0.0099

5GHz WLAN Band 3+4 Antenna 2

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11n HT40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ac VHT40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ax HEW40	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11be EHT40	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11ac VHT80	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11ax HEW80	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157
IEEE 802.11be EHT80	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ac VHT160	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11ax HEW160	11.0	12.5893	7.96	6.2517	0.01566	1.0000	0.0157
IEEE 802.11be EHT160	11.0	12.5893	7.96	6.2517	0.0157	1.0000	0.0157

5GHz WLAN Band 5 Antenna 1

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ax HEW20	1.0	1.2589	6.61	4.5814	0.00115	1.0000	0.0012
IEEE 802.11be EHT20	1.0	1.2589	6.61	4.5814	0.00115	1.0000	0.0012
IEEE 802.11ax HEW40	4.0	2.5119	6.61	4.5814	0.00229	1.0000	0.0023
IEEE 802.11be EHT40	4.0	2.5119	6.61	4.5814	0.0023	1.0000	0.0023
IEEE 802.11ax HEW80	3.0	1.9953	6.61	4.5814	0.0018	1.0000	0.0018
IEEE 802.11be EHT80	2.0	1.5849	6.61	4.5814	0.0014	1.0000	0.0014
IEEE 802.11ax HEW160	4.0	2.5119	6.61	4.5814	0.00229	1.0000	0.0023
IEEE 802.11be EHT160	3.0	1.9953	6.61	4.5814	0.00182	1.0000	0.0018

5GHz WLAN Band 5 Antenna 2

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ax HEW20	1.0	1.2589	6.61	4.5814	0.00115	1.0000	0.0012
IEEE 802.11be EHT20	0.0	1.0000	6.61	4.5814	0.00091	1.0000	0.0009
IEEE 802.11ax HEW40	4.0	2.5119	6.61	4.5814	0.00229	1.0000	0.0023
IEEE 802.11be EHT40	4.0	2.5119	6.61	4.5814	0.0023	1.0000	0.0023
IEEE 802.11ax HEW80	4.0	2.5119	6.61	4.5814	0.0023	1.0000	0.0023
IEEE 802.11be EHT80	4.0	2.5119	6.61	4.5814	0.0023	1.0000	0.0023
IEEE 802.11ax HEW160	5.0	3.1623	6.61	4.5814	0.00288	1.0000	0.0029
IEEE 802.11be EHT160	5.0	3.1623	6.61	4.5814	0.00288	1.0000	0.0029

5GHz WLAN Band 6 Antenna 1

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ax HEW20	1.0	1.2589	6.61	4.5814	0.00115	1.0000	0.0012
IEEE 802.11be EHT20	1.0	1.2589	6.61	4.5814	0.00115	1.0000	0.0012
IEEE 802.11ax HEW40	4.0	2.5119	6.61	4.5814	0.00229	1.0000	0.0023
IEEE 802.11be EHT40	3.0	1.9953	6.61	4.5814	0.0018	1.0000	0.0018
IEEE 802.11ax HEW80	4.0	2.5119	6.61	4.5814	0.0023	1.0000	0.0023
IEEE 802.11be EHT80	3.0	1.9953	6.61	4.5814	0.0018	1.0000	0.0018

5GHz WLAN Band 6 Antenna 2

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ax HEW20	1.0	1.2589	6.61	4.5814	0.00115	1.0000	0.0012
IEEE 802.11be EHT20	2.0	1.5849	6.61	4.5814	0.00144	1.0000	0.0014
IEEE 802.11ax HEW40	4.0	2.5119	6.61	4.5814	0.00229	1.0000	0.0023
IEEE 802.11be EHT40	4.0	2.5119	6.61	4.5814	0.0023	1.0000	0.0023

IEEE 802.11ax HEW80	4.0	2.5119	6.61	4.5814	0.0023	1.0000	0.0023
IEEE 802.11be EHT80	3.0	1.9953	6.61	4.5814	0.0018	1.0000	0.0018

5GHz WLAN Band 7 Antenna 1

Modulation Type	Output power with tune_up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ax HEW20	1.0	1.2589	6.61	4.5814	0.00115	1.0000	0.0012
IEEE 802.11be EHT20	1.0	1.2589	6.61	4.5814	0.00115	1.0000	0.0012
IEEE 802.11ax HEW40	3.0	1.9953	6.61	4.5814	0.00182	1.0000	0.0018
IEEE 802.11be EHT40	1.0	1.2589	6.61	4.5814	0.0011	1.0000	0.0011
IEEE 802.11ax HEW80	1.0	1.2589	6.61	4.5814	0.0011	1.0000	0.0011
IEEE 802.11be EHT80	0.0	1.0000	6.61	4.5814	0.0009	1.0000	0.0009
IEEE 802.11ax HEW160	3.0	1.9953	6.61	4.5814	0.00182	1.0000	0.0018
IEEE 802.11be EHT160	1.0	1.2589	6.61	4.5814	0.00115	1.0000	0.0012

5GHz WLAN Band 7 Antenna 2

Modulation Type	Output power with tune_up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ax HEW20	1.0	1.2589	6.61	4.5814	0.00115	1.0000	0.0012
IEEE 802.11be EHT20	1.0	1.2589	6.61	4.5814	0.00115	1.0000	0.0012
IEEE 802.11ax HEW40	2.0	1.5849	6.61	4.5814	0.00144	1.0000	0.0014
IEEE 802.11be EHT40	2.0	1.5849	6.61	4.5814	0.0014	1.0000	0.0014
IEEE 802.11ax HEW80	2.0	1.5849	6.61	4.5814	0.0014	1.0000	0.0014
IEEE 802.11be EHT80	1.0	1.2589	6.61	4.5814	0.0011	1.0000	0.0011
IEEE 802.11ax HEW160	4.0	2.5119	6.61	4.5814	0.00229	1.0000	0.0023
IEEE 802.11be EHT160	2.0	1.5849	6.61	4.5814	0.00144	1.0000	0.0014

5GHz WLAN Band 6+7 Antenna 1

Modulation Type	Output power with tune_up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ax HEW40	3.0	1.9953	6.61	4.5814	0.00182	1.0000	0.0018
IEEE 802.11be EHT40	3.0	1.9953	6.61	4.5814	0.00182	1.0000	0.0018
IEEE 802.11ax HEW80	3.0	1.9953	6.61	4.5814	0.00182	1.0000	0.0018
IEEE 802.11be EHT80	2.0	1.5849	6.61	4.5814	0.0014	1.0000	0.0014
IEEE 802.11ax HEW160	4.0	2.5119	6.61	4.5814	0.0023	1.0000	0.0023
IEEE 802.11be EHT160	3.0	1.9953	6.61	4.5814	0.0018	1.0000	0.0018

5GHz WLAN Band 6+7 Antenna 2

Modulation Type	Output power with tune_up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ax HEW40	3.0	1.9953	6.61	4.5814	0.00182	1.0000	0.0018
IEEE 802.11be EHT40	3.0	1.9953	6.61	4.5814	0.00182	1.0000	0.0018

IEEE 802.11ax HEW80	3.0	1.9953	6.61	4.5814	0.00182	1.0000	0.0018
IEEE 802.11be EHT80	2.0	1.5849	6.61	4.5814	0.0014	1.0000	0.0014
IEEE 802.11ax HEW160	4.0	2.5119	6.61	4.5814	0.0023	1.0000	0.0023
IEEE 802.11be EHT160	3.0	1.9953	6.61	4.5814	0.0018	1.0000	0.0018

5GHz WLAN Band 8 Antenna 1

Modulation Type	Output power with tune_up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ax HEW20	-2.0	0.6310	6.61	4.5814	0.00058	1.0000	0.0006
IEEE 802.11be EHT20	-2.0	0.6310	6.61	4.5814	0.00058	1.0000	0.0006
IEEE 802.11ax HEW40	0.0	1.0000	6.61	4.5814	0.00091	1.0000	0.0009
IEEE 802.11be EHT40	0.0	1.0000	6.61	4.5814	0.0009	1.0000	0.0009
IEEE 802.11ax HEW80	2.0	1.5849	6.61	4.5814	0.0014	1.0000	0.0014
IEEE 802.11be EHT80	1.0	1.2589	6.61	4.5814	0.0011	1.0000	0.0011
IEEE 802.11ax HEW160	2.0	1.5849	6.61	4.5814	0.00144	1.0000	0.0014
IEEE 802.11be EHT160	2.0	1.5849	6.61	4.5814	0.00144	1.0000	0.0014

5GHz WLAN Band 8 Antenna 2

Modulation Type	Output power with tune_up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ax HEW20	-2.0	0.6310	6.61	4.5814	0.00058	1.0000	0.0006
IEEE 802.11be EHT20	-2.0	0.6310	6.61	4.5814	0.00058	1.0000	0.0006
IEEE 802.11ax HEW40	-1.0	0.7943	6.61	4.5814	0.00072	1.0000	0.0007
IEEE 802.11be EHT40	1.0	1.2589	6.61	4.5814	0.0011	1.0000	0.0011
IEEE 802.11ax HEW80	2.0	1.5849	6.61	4.5814	0.0014	1.0000	0.0014
IEEE 802.11be EHT80	2.0	1.5849	6.61	4.5814	0.0014	1.0000	0.0014
IEEE 802.11ax HEW160	2.0	1.5849	6.61	4.5814	0.00144	1.0000	0.0014
IEEE 802.11be EHT160	4.0	2.5119	6.61	4.5814	0.00229	1.0000	0.0023

5GHz WLAN Band 7+8 Antenna 1

Modulation Type	Output power with tune_up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ax HEW20	-3.0	0.5012	6.61	4.5814	0.00046	1.0000	0.0005
IEEE 802.11be EHT20	-3.0	0.5012	6.61	4.5814	0.00046	1.0000	0.0005
IEEE 802.11ax HEW40	-1.0	0.7943	6.61	4.5814	0.00072	1.0000	0.0007
IEEE 802.11be EHT40	-1.0	0.7943	6.61	4.5814	0.0007	1.0000	0.0007
IEEE 802.11ax HEW80	1.0	1.2589	6.61	4.5814	0.0011	1.0000	0.0011
IEEE 802.11be EHT80	0.0	1.0000	6.61	4.5814	0.0009	1.0000	0.0009
IEEE 802.11ax HEW160	3.0	1.9953	6.61	4.5814	0.00182	1.0000	0.0018
IEEE 802.11be EHT160	2.0	1.5849	6.61	4.5814	0.00144	1.0000	0.0014

5GHz WLAN Band 7+8 Antenna 2

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
IEEE 802.11ax HEW20	-3.0	0.5012	6.61	4.5814	0.00046	1.0000	0.0005
IEEE 802.11be EHT20	-3.0	0.5012	6.61	4.5814	0.00046	1.0000	0.0005
IEEE 802.11ax HEW40	-1.0	0.7943	6.61	4.5814	0.00072	1.0000	0.0007
IEEE 802.11be EHT40	-1.0	0.7943	6.61	4.5814	0.0007	1.0000	0.0007
IEEE 802.11ax HEW80	1.0	1.2589	6.61	4.5814	0.0011	1.0000	0.0011
IEEE 802.11be EHT80	0.0	1.0000	6.61	4.5814	0.0009	1.0000	0.0009
IEEE 802.11ax HEW160	4.0	2.5119	6.61	4.5814	0.00229	1.0000	0.0023
IEEE 802.11be EHT160	3.0	1.9953	6.61	4.5814	0.00182	1.0000	0.0018

BT

Modulation Type	Output power with tune up		Antenna Gain (dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	MPE Limits (mW/cm ²)	Ratio
	dBm	mW					
BT	7.0	5.0119	1.33	1.3583	0.00135	1.0000	0.0014

Remark:

1. Output power including turn-up tolerance;
2. MPE evaluate distance is 20cm from user manual provide by manufacturer.

simultaneous transmission Evaluation

In order to ensure compliance with the MPE for a controlled environment, the sum of the ratios of the power density to the corresponding MPE should not exceed unity. That is.

$$\sum_{i=1}^n \frac{S_i}{MPE_i} \leq 1$$

The product also has multiple transmitters The Simultaneous Transmission Possibilities are as below:

Simultaneous Tx Combination	Configuration
1	WLAN 2.4 _{ANT1} or WLAN 2.4G _{ANT2} SISO Mode+ BT
2	WLAN 5G _{ANT1} or WLAN 5G _{ANT2} in SISO Mode+ BT
3	WLAN 2.4 _{ANT1} + WLAN 2.4G _{ANT2} in MIMO mode +BT
4	WLAN 5G _{ANT1} + WLAN 5G _{ANT2} in MIMO mode +BT

Simultaneous Combination	Mode	Max. Result Ratio WLAN _{ANT1}	Max. Result Ratio WLAN _{ANT2}	Max. Result Ratio BT	Max. Total Ratio	Limit	Result
1	IEEE 802.11b	0.0108	0.0041	0.0014	0.0065	1.0	Pass
	IEEE 802.11g	0.0135	0.0051				

Simultaneous Combination	Mode	Max. Result Ratio WLAN _{ANT1}	Max. Result Ratio WLAN _{ANT2}	Max. Result Ratio BT	Max. Total Ratio	Limit	Limit Result
2	IEEE 802.11a	0.0101	0.0073	0.0014	0.0115	1.0	Pass

Simultaneous Combination	Mode	Max. Result Ratio ANT1	Max. Result Ratio ANT2	Max. Result Ratio BT	Total Ratio	Limit	Result
3	IEEE 802.11n HT20	0.0187	0.0118	0.0014	0.0319	1.0	Pass
	IEEE 802.11n HT40	0.0187	0.0118	0.0014	0.0319		
	IEEE 802.11ax HEW20	0.0187	0.0118	0.0014	0.0319		
	IEEE 802.11ax HEW40	0.0187	0.0118	0.0014	0.0319		
	IEEE 802.11be EHT20	0.0235	0.0118	0.0014	0.0367		
	IEEE 802.11be EHT40	0.0235	0.0118	0.0014	0.0367		

Simultaneous Combination	Mode	Max. Result Ratio ANT1	Max. Result Ratio ANT2	Max. Result Ratio BT	Total Ratio	Limit	Result
4 (5GHz WLAN Band 1)	IEEE 802.11n HT20	0.0124	0.0124	0.0014	0.0262	1.0	Pass
	IEEE 802.11ac VHT20	0.0124	0.0124	0.0014	0.0262		
	IEEE 802.11ax HEW20	0.0124	0.0124	0.0014	0.0262		
	IEEE 802.11be EHT20	0.0124	0.0124	0.0014	0.0262		
	IEEE 802.11n HT40	0.0124	0.0124	0.0014	0.0262		
	IEEE 802.11ac VHT40	0.0124	0.0124	0.0014	0.0262		
	IEEE 802.11ax HEW40	0.0124	0.0124	0.0014	0.0262		
	IEEE 802.11be EHT40	0.0124	0.0157	0.0014	0.0295		
	IEEE 802.11ac VHT80	0.0124	0.0124	0.0014	0.0262		
	IEEE 802.11ax HEW80	0.0124	0.0124	0.0014	0.0262		
	IEEE 802.11be EHT80	0.0124	0.0124	0.0014	0.0262		
4 (5GHz WLAN Band 2A)	IEEE 802.11n HT20	0.0124	0.0124	0.0014	0.0262	1.0	Pass
	IEEE 802.11ac VHT20	0.0124	0.0099	0.0014	0.0237		
	IEEE 802.11ax HEW20	0.0124	0.0099	0.0014	0.0237		
	IEEE 802.11be EHT20	0.0124	0.0099	0.0014	0.0237		
	IEEE 802.11n HT40	0.0124	0.0124	0.0014	0.0262		
	IEEE 802.11ac VHT40	0.0124	0.0099	0.0014	0.0237		
	IEEE 802.11ax HEW40	0.0124	0.0099	0.0014	0.0237		
	IEEE 802.11be EHT40	0.0157	0.0099	0.0014	0.0270		
	IEEE 802.11ac VHT80	0.0099	0.0099	0.0014	0.0212		
	IEEE 802.11ax HEW80	0.0099	0.0099	0.0014	0.0212		
	IEEE 802.11be EHT80	0.0099	0.0099	0.0014	0.0212		
	IEEE 802.11ac VHT160	0.0079	0.0124	0.0014	0.0217		
4 (5GHz WLAN Band 1+2A)	IEEE 802.11ax HEW160	0.0079	0.0079	0.0014	0.0172	1.0	Pass
	IEEE 802.11be EHT160	0.0079	0.0079	0.0014	0.0172		
	IEEE 802.11n HT20	0.0157	0.0099	0.0014	0.0270		
4 (5GHz WLAN Band 2C)	IEEE 802.11ac VHT20	0.0157	0.0079	0.0014	0.0250	1.0	Pass
	IEEE 802.11ax HEW20	0.0157	0.0078	0.0014	0.0249		
	IEEE 802.11be EHT20	0.0157	0.0078	0.0014	0.0249		
	IEEE 802.11n HT40	0.0157	0.0099	0.0014	0.0270		
	IEEE 802.11ac VHT40	0.0157	0.0079	0.0014	0.0250		
	IEEE 802.11ax HEW40	0.0157	0.0079	0.0014	0.0250		
	IEEE 802.11be EHT40	0.0157	0.0079	0.0014	0.0250		
	IEEE 802.11ac VHT80	0.0157	0.0078	0.0014	0.0249		
	IEEE 802.11ax HEW80	0.0157	0.0078	0.0014	0.0249		
	IEEE 802.11be EHT80	0.0157	0.0078	0.0014	0.0249		
	IEEE 802.11ac VHT160	0.0124	0.0099	0.0014	0.0237		
	IEEE 802.11ax HEW160	0.0124	0.0099	0.0014	0.0237		
	IEEE 802.11be EHT160	0.0124	0.0099	0.0014	0.0237		
4 (5GHz WLAN Band 3)	IEEE 802.11n HT20	0.0124	0.0124	0.0014	0.0262	1.0	Pass
	IEEE 802.11ac VHT20	0.0124	0.0099	0.0014	0.0237		
	IEEE 802.11ax HEW20	0.0124	0.0157	0.0014	0.0295		

	IEEE 802.11be EHT20	0.0124	0.0099	0.0014	0.0237		
	IEEE 802.11n HT40	0.0124	0.0124	0.0014	0.0262		
	IEEE 802.11ac VHT40	0.0124	0.0099	0.0014	0.0237		
	IEEE 802.11ax HEW40	0.0124	0.0099	0.0014	0.0237		
	IEEE 802.11be EHT40	0.0124	0.0157	0.0014	0.0295		
	IEEE 802.11ac VHT80	0.0124	0.0099	0.0014	0.0237		
	IEEE 802.11ax HEW80	0.0124	0.0099	0.0014	0.0237		
	IEEE 802.11be EHT80	0.0124	0.0099	0.0014	0.0237		
4 (5GHz WLAN Band 4)	IEEE 802.11n HT20	0.0157	0.0157	0.0014	0.0328	1.0	Pass
	IEEE 802.11ac VHT20	0.0157	0.0157	0.0014	0.0328		
	IEEE 802.11ax HEW20	0.0157	0.0157	0.0014	0.0328		
	IEEE 802.11be EHT20	0.0157	0.0157	0.0014	0.0328		
	IEEE 802.11n HT40	0.0157	0.0157	0.0014	0.0328		
	IEEE 802.11ac VHT40	0.0157	0.0157	0.0014	0.0328		
	IEEE 802.11ax HEW40	0.0157	0.0157	0.0014	0.0328		
	IEEE 802.11be EHT40	0.0157	0.0157	0.0014	0.0328		
4 (5GHz WLAN Band 3+4)	IEEE 802.11n HT40	0.0099	0.0157	0.0014	0.0270	1.0	Pass
	IEEE 802.11ac VHT40	0.0099	0.0157	0.0014	0.0270		
	IEEE 802.11ax HEW40	0.0099	0.0157	0.0014	0.0270		
	IEEE 802.11be EHT40	0.0099	0.0157	0.0014	0.0270		
	IEEE 802.11ac VHT80	0.0099	0.0157	0.0014	0.0270		
	IEEE 802.11ax HEW80	0.0099	0.0157	0.0014	0.0270		
	IEEE 802.11be EHT80	0.0099	0.0157	0.0014	0.0270		
	IEEE 802.11ac VHT160	0.0099	0.0157	0.0014	0.0270		
	IEEE 802.11ax HEW160	0.0099	0.0157	0.0014	0.0270		
4 (5GHz WLAN Band 5)	IEEE 802.11ax HEW20	0.0012	0.0012	0.0014	0.0038	1.0	Pass
	IEEE 802.11be EHT20	0.0012	0.0009	0.0014	0.0035		
	IEEE 802.11ax HEW40	0.0023	0.0023	0.0014	0.0060		
	IEEE 802.11be EHT40	0.0023	0.0023	0.0014	0.0060		
	IEEE 802.11ax HEW80	0.0018	0.0023	0.0014	0.0055		
	IEEE 802.11be EHT80	0.0014	0.0023	0.0014	0.0051		
	IEEE 802.11ax HEW160	0.0023	0.0029	0.0014	0.0066		
	IEEE 802.11be EHT160	0.0018	0.0029	0.0014	0.0061		
4 (5GHz WLAN Band 6)	IEEE 802.11ax HEW20	0.0012	0.0012	0.0014	0.0038	1.0	Pass
	IEEE 802.11be EHT20	0.0012	0.0014	0.0014	0.0040		
	IEEE 802.11ax HEW40	0.0023	0.0023	0.0014	0.0060		
	IEEE 802.11be EHT40	0.0018	0.0023	0.0014	0.0055		
	IEEE 802.11ax HEW80	0.0023	0.0023	0.0014	0.0060		
	IEEE 802.11be EHT80	0.0018	0.0018	0.0014	0.0050		
4 (5GHz WLAN Band 7)	IEEE 802.11ax HEW20	0.0012	0.0012	0.0014	0.0038	1.0	Pass
	IEEE 802.11be EHT20	0.0012	0.0012	0.0014	0.0038		
	IEEE 802.11ax HEW40	0.0018	0.0014	0.0014	0.0046		
	IEEE 802.11be EHT40	0.0011	0.0014	0.0014	0.0039		
	IEEE 802.11ax HEW80	0.0011	0.0014	0.0014	0.0039		
	IEEE 802.11be EHT80	0.0009	0.0011	0.0014	0.0034		
	IEEE 802.11ax HEW160	0.0018	0.0023	0.0014	0.0055		
	IEEE 802.11be EHT160	0.0012	0.0014	0.0014	0.0040		
4 (5GHz WLAN Band 6+7)	IEEE 802.11ax HEW40	0.0018	0.0018	0.0014	0.0050	1.0	Pass
	IEEE 802.11be EHT40	0.0018	0.0018	0.0014	0.0050		
	IEEE 802.11ax HEW80	0.0018	0.0018	0.0014	0.0050		
	IEEE 802.11be EHT80	0.0014	0.0014	0.0014	0.0042		
	IEEE 802.11ax HEW160	0.0023	0.0023	0.0014	0.0060		
	IEEE 802.11be EHT160	0.0018	0.0018	0.0014	0.0050		
4 (5GHz WLAN Band 8)	IEEE 802.11ax HEW20	0.0006	0.0006	0.0014	0.0026	1.0	Pass
	IEEE 802.11be EHT20	0.0006	0.0006	0.0014	0.0026		
	IEEE 802.11ax HEW40	0.0009	0.0007	0.0014	0.0030		

4 (5GHz WLAN Band 7+8)	IEEE 802.11be EHT40	0.0009	0.0011	0.0014	0.0034	1.0	Pass
	IEEE 802.11ax HEW80	0.0014	0.0014	0.0014	0.0042		
	IEEE 802.11be EHT80	0.0011	0.0014	0.0014	0.0039		
	IEEE 802.11ax HEW160	0.0014	0.0014	0.0014	0.0042		
	IEEE 802.11be EHT160	0.0014	0.0023	0.0014	0.0051		
	IEEE 802.11ax HEW20	0.0005	0.0005	0.0014	0.0024		
	IEEE 802.11be EHT20	0.0005	0.0005	0.0014	0.0024		
	IEEE 802.11ax HEW40	0.0007	0.0007	0.0014	0.0028		
	IEEE 802.11be EHT40	0.0007	0.0007	0.0014	0.0028		
	IEEE 802.11ax HEW80	0.0011	0.0011	0.0014	0.0036		
	IEEE 802.11be EHT80	0.0009	0.0009	0.0014	0.0032		
	IEEE 802.11ax HEW160	0.0018	0.0018	0.0014	0.0050		
	IEEE 802.11be EHT160	0.0014	0.0014	0.0014	0.0042		

2.7 Conclusion

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

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