Maximum Permissible Exposure (MPE) Evaluation Report

Report No. : **150600357TWN-001**
Model No. : **G10, G10us**
Issued Date : **Oct. 01, 2015**

Applicant: **ASRock Incorporation**
4F., No. 37, Sec. 2, Jhongyang S.Rd., Beitou District, Taipei City 112, Taiwan

Test Method/ Standard: **FCC 1.1310**

Test By: **Intertek Testing Services Taiwan Ltd.**
No. 11, Lane 275, Ko-Nan 1 Street, Chia-Tung Li, Shiang-Shan District, Hsinchu City, Taiwan

Testing Laboratory
0597

The test report was prepared by:
Candy Liu/ Assistant

These measurements were taken by:
Ricky Lee/ Engineer

The test report was reviewed by:
Name Jimmy Yang
Title Senior Engineer

Revision History

Report No.	Issue Date	Revision Summary
150600357TWN-001	Oct. 01, 2015	Original report

Table of Contents

Summary of Tests

MPE Evaluation meet FCC OET No. 65: 1997, IEEE C95.1-2005

Test	Reference	Results
MPE Evaluation	FCC Guidelines for Human Exposure IEEE C95.1	Complies

1. General information

1.1 Identification of the EUT

Product:	AC2600 Gaming Router
Model No.:	G10
FCC ID:	2AFEB-G10
Manufacturer:	Edimax Technology Co., Ltd
Address:	6F., No. 3, Wu-Chuan 3rd Road, Wu-Gu, New Taipei City 24891, Taiwan
Operating Frequency:	1. 2412 MHz ~ 2462 MHz for 802.11b, 802.11g, 802.11n HT20 2. 2422 MHz ~ 2452 MHz for 802.11n HT40 3. 5180 MHz ~ 5240 MHz in 802.11a, 802.11n(HT20),802.11ac(VHT20) mode 4. 5190 MHz ~ 5230 MHz in 802.11n (HT40), 802.11ac(VHT40) mode 5. 5745 MHz ~ 5825 MHz in 802.11a, 802.11n(HT20), 802.11ac(VHT20) mode 6. 5755 MHz ~ 5795 MHz in 802.11n (HT40), 802.11ac(VHT40) mode 7. 5210 MHz, 5775 MHz in 802.11ac (VHT80) mode
Channel Number:	1. 2412+5 k, k＝0 ~ 10 for 802.11b, 802.11g, 802.11n HT20 2. 2422+5 k, k＝0~6 for 802.11n HT40 3. 4 channels for 5180 MHz ~ 5240 MHz in 802.11a,802.11n (HT20), 802.11ac(VHT20) mode 4. 2 channels for 5190 MHz ~ 5230 MHz in 802.11n (HT40), 802.11ac(VHT40) mode 5. 5 channels for 5745 MHz ~ 5825 MHz in 802.11a, 802.11n (HT20), 802.11ac(VHT20) mode 6. 2 channels for 5755 MHz ~ 5795 MHz in 802.11n (HT40), 802.11ac(VHT40) mode 7. 1 channel for 5210 MHz, 5775 MHz in 802.11ac (VHT80) mode
Access scheme:	OFDM
Modulation	64QAM, 16QAM, QPSK, BPSK for OFDM
Rated Power:	DC 12 V from adapter
Power Cord:	N/A
Sample Received:	Jun. 22, 2015
Test Date(s):	Jul. 22, 2015 ~Aug. 18, 2015
Note 1:	This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.
Note 2:	When determining the test conclusion, the Measurement Uncertainty of test has been considered.

1.2 Adapter information

The EUT will be supplied with a power supply from below list:

No.	Model no.	Specification
Adapter	WA-36A12R	I/P: 100-240V~, 50-60Hz, 0.9A MAX O/P: 12Vdc, 3A

1.3 Additional information about the EUT

The customer confirmed the models listed as below were series model to model G10 (EUT), the difference between main model and series model are listed as below.

Trade Name	Model Number	Different
ASRock	G10us	The different model numbers are served as marketing purpose.
	G10	

For 2.4 GHz

Modulation mode	Transmit path			
	Chain 0/Main	Chain 1/AUX	Chain 2/AUX	Chain 3/AUX
802.11b	V	V	V	V
802.11g	V	V	V	V
802.11 n (HT20)	V	V	V	V
802.11 n (HT40)	V	V	V	V

For 5 GHz

Modulation mode	Transmit path			
	Chain 0/Main	Chain 1/AUX	Chain 2/AUX	Chain 3/AUX
802.11a	V	V	V	V
802.11n HT20	V	V	V	V
802.11n HT40	V	V	V	V
802.11ac VHT80	V	V	V	V

Product SW version : 1.8
Product HW version : 1.0A
Test SW Version : 3.0.54.0

1.4 Peripherals equipment

Peripherals	Brand	Model No.	Serial No.	Data cable
Notebook PC	DELL	Vostro 3350	7KFQNT1	RJ-45 STP Cat.5 1.5 meter × 1

1.5 Antenna description

(1). Antenna 1, 2, 3, 4

The antenna is affixed to the EUT using a unique connector, which allows for replacement of a broken antenna, but DOES NOT use a standard antenna jack or electrical connector.

Antenna Gain : 2 dBi for 2.4GHz
Antenna Type : PIFA Antenna
Connector Type : I-PEX

(2). Antenna 1, 2, 3, 4

The antenna is affixed to the EUT using a unique connector, which allows for replacement of a broken antenna, but DOES NOT use a standard antenna jack or electrical connector.

Antenna Gain : 2 dBi for 5GHz
Antenna Type : PIFA Antenna
Connector Type : I-PEX

2. Test specifications

2.1 Introduction

The EUT operates in the 2.4 GHz and 5GHz band. Due to the EUT (include antenna) at its normal operation distance is at least 20 cm from the human body, the EUT was defined as a Mobile Device.

With individual verifying, the spurious emissions of 802.11n HT20 mode are greater than the spurious emissions of 802.11ac VHT20 mode under the same power setting. The spurious emissions of 802.11n HT40 mode are greater than the spurious emissions of 802.11ac VHT40 mode under the same power setting. We choose the 802.11n HT20/40 mode as the worse mode for 20/40 MHz Bandwidth.

The reason to do the MPE Evaluation is to avoid the RF hazard to human body. The maximum output power and gain of the antenna were used to calculate the limited Power density (S) at 20 cm distance away from the product. The limit for Maximum Permissible Exposure (MPE) specified in FCC 1.1310 and Safety Code 6 are followed.

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

2.2 RF Exposure Limit

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environmental impact of human exposure to radio-frequency (RF) radiation as specified in 1.1307(b) and KDB 447498 D01 General RF Exposure Guidance v05r02.

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table.

MHz	5	10	15	20	25	mm
150	39	77	116	155	194	SAR Test Exclusion Threshold (mW)
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	

MHz	30	35	40	45	50	mm
150	232	271	310	349	387	SAR Test Exclusion Threshold (mW)
300	164	192	219	246	274	
450	134	157	179	201	224	
835	98	115	131	148	164	
900	95	111	126	142	158	
1500	73	86	98	110	122	
1900	65	76	87	98	109	
2450	57	67	77	86	96	
3600	47	55	63	71	79	
5200	39	46	53	59	66	
5400	39	45	52	58	65	
5800	37	44	50	56	62	

Note: 10-g Extremity SAR Test Exclusion Power Thresholds are 2.5 times higher than the 1-g SAR Test Exclusion Thresholds indicated above. These thresholds do not apply, by extrapolation or other means, to occupational exposure limits.

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and > 50 mm

Approximate SAR test exclusion power thresholds at selected frequencies and test separation distances are illustrated in the following table.

MHz	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	mm
100	474	481	487	494	501	507	514	521	527	534	541	547	554	561	567	
150	387	397	407	417	427	437	447	457	467	477	487	497	507	517	527	
300	274	294	314	334	354	374	394	414	434	454	474	494	514	534	554	
450	224	254	284	314	344	374	404	434	464	494	524	554	584	614	644	
835	164	220	275	331	387	442	498	554	609	665	721	776	832	888	943	
900	158	218	278	338	398	458	518	578	638	698	758	818	878	938	998	
1500	122	222	322	422	522	622	722	822	922	1022	1122	1222	1322	1422	1522	mW
1900	109	209	309	409	509	609	709	809	909	1009	1109	1209	1309	1409	1509	
2450	96	196	296	396	496	596	696	796	896	996	1096	1196	1296	1396	1496	
3600	79	179	279	379	479	579	679	779	879	979	1079	1179	1279	1379	1479	
5200	66	166	266	366	466	566	666	766	866	966	1066	1166	1266	1366	1466	
5400	65	165	265	365	465	565	665	765	865	965	1065	1165	1265	1365	1465	
5800	62	162	262	362	462	562	662	762	862	962	1062	1162	1262	1362	1462	

SAR Test Exclusion Thresholds for < 100 MHz and < 200 mm

Approximate SAR test exclusion power thresholds at selected frequencies and test separation distances are illustrated in the following table.

MHz	< 50	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	mm
100	237	474	481	487	494	501	507	514	521	527	534	541	547	554	561	567	
50	308	617	625	634	643	651	660	669	677	686	695	703	712	721	729	738	
10	474	948	961	975	988	1001	1015	1028	1041	1055	1068	1081	1095	1108	1121	1135	
1	711	1422	1442	1462	1482	1502	1522	1542	1562	1582	1602	1622	1642	1662	1682	1702	mW
0.1	948	1896	1923	1949	1976	2003	2029	2056	2083	2109	2136	2163	2189	2216	2243	2269	
0.05	1019	2039	2067	2096	2125	2153	2182	2211	2239	2268	2297	2325	2354	2383	2411	2440	
0.01	1185	2370	2403	2437	2470	2503	2537	2570	2603	2637	2670	2703	2737	2770	2803	2837	

2.3 RF Exposure calculations

From §FCC 1.1310 table 1, the maximum permissible RF exposure for an uncontrolled environment is 1 mW/(cm^2) (or 10 W/m^2)*

Power density (S) is calculated by the following formula:

$S = (P * G)/4\pi R^2$

where, S = Power density (mW/cm^2)
P = Output power to antenna (mW)
R = Distance between radiating structure and observation point (cm)
G = Gain of antenna in numeric
π = 3.1416

Example:
Assume a mobile device operates at 2412MHz and its maximum output power is 50mW, and the maximum gain of antenna is 1 (numeric) /0dBi.

then the power density (S) = $(50 * 1)/4*\pi*20^2$ = 0.00995 (mW/cm^2) (or = 0.0995 W/m^2)

2.4 Operation mode

The EUT was supplied with DC 12 V from adapter (Test voltage: 120 Vac, 60 Hz).

For 2.4G
The TX mode is based on a specific test program “QDART.exe”, and the program can select different frequency and modulation.

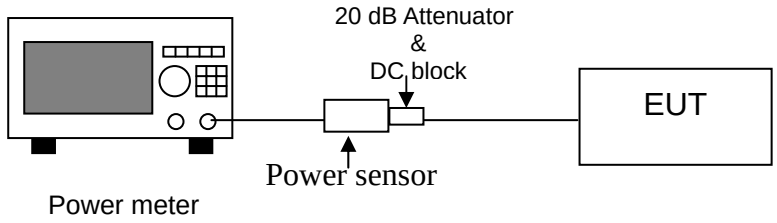
For 5GHz
TX-MODE is based on a specific test program “QCARCT.exe”, and the program can select different frequency and modulation.

2.5 Test equipment

Equipment	Brand	Model No.	Serial No.	Calibration Date	Next Calibration Date
Power Meter	Anritsu	ML2495A	0844001	2014/11/12	2015/11/11
Power Sensor	Anritsu	MA2411B	0738452	2014/11/12	2015/11/11
RF Cable	Mini-Circuits	CBL-4FT-SMSM+	CB0003	2015/05/06	2016/05/05

Note: The above equipments are within the valid calibration period.

2.6 Test Set-up



Remark: Cable loss is 1.5 dB.

3. Test results

For 2.4 GHz

Antenna Gain 0: 1.58(numeric)

Mode	Channel	Frequency (MHz)	Antenna Gain0 (numeric)	Output power to antenna 0 (mW)	Power density (mW/cm2)	Limit of power density (mW/cm2)
802.11b (chain0)	1	2412	1.58	151.36	0.048	1.0
	6	2437	1.58	263.03	0.083	1.0
	11	2462	1.58	158.49	0.050	1.0
802.11b (chain1)	1	2412	1.58	154.88	0.049	1.0
	6	2437	1.58	263.03	0.083	1.0
	11	2462	1.58	162.18	0.051	1.0
802.11b (chain2)	1	2412	1.58	151.36	0.048	1.0
	6	2437	1.58	257.04	0.081	1.0
	11	2462	1.58	162.18	0.051	1.0
802.11b (chain3)	1	2412	1.58	162.18	0.051	1.0
	6	2437	1.58	281.84	0.089	1.0
	11	2462	1.58	173.78	0.055	1.0
802.11g (chain0)	1	2412	1.58	67.61	0.021	1.0
	6	2437	1.58	138.04	0.044	1.0
	11	2462	1.58	69.18	0.022	1.0
802.11g (chain1)	1	2412	1.58	66.07	0.021	1.0
	6	2437	1.58	141.25	0.045	1.0
	11	2462	1.58	69.18	0.022	1.0
802.11g (chain2)	1	2412	1.58	64.57	0.020	1.0
	6	2437	1.58	138.04	0.044	1.0
	11	2462	1.58	66.07	0.021	1.0
802.11g (chain3)	1	2412	1.58	66.07	0.021	1.0
	6	2437	1.58	131.83	0.042	1.0
	11	2462	1.58	69.18	0.022	1.0

The Notice in Installation Manual has been stated as below:
While installing and operating this transmitter, the radio frequency exposure limit of 1 mW/ (cm^2) may be exceeded at distances close to the transmitter. Therefore, the user must maintain a minimum distance of 20 cm from the device at all time.

Antenna Gain 0/1/2/3: 1.58(numeric)

Mode	Channel	Freq. (MHz)	Output power to antenna 0 (mW)	Output power to antenna1 (mW)	Output power to antenna2 (mW)	Output power to antenna3 (mW)	Power density0 (mW/cm2)	Power density1 (mW/cm2)	Power density2 (mW/cm2)	Power density3 (mW/cm2)	Total Power density (mW/cm2)	Limit of power density (mW/cm2)
802.11n (HT20)	1	2412	45.39	41.30	47.32	46.03	0.014	0.013	0.015	0.015	0.057	1.0
	6	2437	138.04	131.83	138.04	134.90	0.044	0.042	0.044	0.043	0.171	1.0
	11	2462	44.98	44.98	44.06	45.08	0.014	0.014	0.014	0.014	0.056	1.0
802.11n (HT40)	3	2422	19.54	19.72	22.23	24.60	0.006	0.006	0.007	0.008	0.027	1.0
	6	2437	138.04	131.83	134.90	138.04	0.044	0.042	0.043	0.044	0.171	1.0
	9	2452	21.13	19.77	21.63	21.28	0.007	0.006	0.007	0.007	0.026	1.0

The Notice in Installation Manual has been stated as below:
While installing and operating this transmitter, the radio frequency exposure limit of 1 mW/ (cm^2) may be exceeded at distances close to the transmitter. Therefore, the user must maintain a minimum distance of 20 cm from the device at all time.
The test mode of 802.11nHT20 & 802.11nHT40 are all chains on.

For 5 GHz Beamforming on mode

Antenna Gain 0/1/2/3 : 1.58(numeric)

Mode	Channel	Frequency (MHz)	Output power to antenna 0 (mW)	Output power to antenna 1 (mW)	Output power to antenna 2 (mW)	Output power to antenna 3 (mW)	Power density 0 (mW/cm2)	Power density 1 (mW/cm2)	Power density 2 (mW/cm2)	Power density 3 (mW/cm2)	Total Power density (mW/cm2)	Limit of power density (mW/cm2)
802.11a	36	5180	14.52	14.45	15.78	18.32	0.0046	0.0046	0.0050	0.0058	0.0199	1.0
	40	5200	14.96	14.89	15.07	19.01	0.0047	0.0047	0.0048	0.0060	0.0202	1.0
	48	5240	15.70	15.85	13.37	16.75	0.0050	0.0050	0.0042	0.0053	0.0194	1.0
	149	5745	6.35	5.65	6.10	6.64	0.0020	0.0018	0.0019	0.0021	0.0078	1.0
	157	5785	6.44	6.46	6.38	7.10	0.0020	0.0020	0.0020	0.0022	0.0083	1.0
	165	5825	6.98	8.09	7.57	8.89	0.0022	0.0026	0.0024	0.0028	0.0099	1.0
802.11n (20M)	36	5180	14.09	15.00	15.67	18.88	0.0044	0.0047	0.0049	0.0060	0.0201	1.0
	40	5200	14.89	15.21	15.35	19.36	0.0047	0.0048	0.0048	0.0061	0.0204	1.0
	48	5240	15.56	16.11	13.52	17.86	0.0049	0.0051	0.0043	0.0056	0.0199	1.0
	149	5745	6.43	5.55	6.04	6.79	0.0020	0.0017	0.0019	0.0021	0.0078	1.0
	157	5785	6.52	6.00	6.22	7.11	0.0021	0.0019	0.0020	0.0022	0.0082	1.0
	165	5825	7.14	7.53	7.59	8.57	0.0023	0.0024	0.0024	0.0027	0.0097	1.0
802.11n (40M)	38	5190	15.78	16.83	16.03	16.52	0.0050	0.0053	0.0051	0.0052	0.0205	1.0
	46	5230	16.75	17.22	14.52	14.29	0.0053	0.0054	0.0046	0.0045	0.0198	1.0
	151	5755	6.68	6.31	5.75	6.37	0.0021	0.0020	0.0018	0.0020	0.0079	1.0
	159	5795	6.92	7.06	6.70	7.00	0.0022	0.0022	0.0021	0.0022	0.0087	1.0
802.11ac (20M)	36	5180	14.69	15.35	15.85	18.32	0.0046	0.0048	0.0050	0.0058	0.0202	1.0
	40	5200	14.86	16.11	15.52	18.79	0.0047	0.0051	0.0049	0.0059	0.0206	1.0
	48	5240	15.31	16.48	13.61	17.42	0.0048	0.0052	0.0043	0.0055	0.0198	1.0
	149	5745	6.40	5.64	6.19	6.55	0.0020	0.0018	0.0020	0.0021	0.0078	1.0
	157	5785	6.70	6.31	6.53	6.97	0.0021	0.0020	0.0021	0.0022	0.0084	1.0
	165	5825	7.01	7.71	7.73	8.26	0.0022	0.0024	0.0024	0.0026	0.0097	1.0
802.11ac (40M)	38	5190	15.42	17.18	15.92	15.92	0.0049	0.0054	0.0050	0.0050	0.0203	1.0
	46	5230	16.52	17.70	14.72	13.77	0.0052	0.0056	0.0046	0.0043	0.0198	1.0
	151	5755	6.52	6.15	5.69	6.22	0.0021	0.0019	0.0018	0.0020	0.0078	1.0
	159	5795	7.10	7.06	6.79	6.79	0.0022	0.0022	0.0021	0.0021	0.0087	1.0
802.11ac (80M)	42	5210	11.51	12.71	10.94	12.62	0.0036	0.0040	0.0034	0.0040	0.0151	1.0
	155	5775	5.58	5.32	4.65	5.75	0.0018	0.0017	0.0015	0.0018	0.0067	1.0

The Notice in Installation Manual has been stated as below:
While installing and operating this transmitter, the radio frequency exposure limit of 1 mW/ (cm^2) may be exceeded at distances close to the transmitter. Therefore, the user must maintain a minimum distance of 20 cm from the device at all time.

For 5 GHz Beamforming off mode

Antenna Gain 0/1/2/3 : 1.58(numeric)

Mode	Channel	Frequency (MHz)	Antenna Gain (numeric)	Output power to antenna (mW)	Power density (mW/cm2)	Limit of power density (mW/cm2)
802.11a chain0	36	5180	1.58	134.28	0.0423	1.0
	40	5200	1.58	136.77	0.0431	1.0
	48	5240	1.58	140.60	0.0443	1.0
	149	5745	1.58	19.41	0.0061	1.0
	157	5785	1.58	21.13	0.0067	1.0
	165	5825	1.58	20.84	0.0066	1.0
802.11a chain1	36	5180	1.58	111.69	0.0352	1.0
	40	5200	1.58	113.50	0.0358	1.0
	48	5240	1.58	112.72	0.0355	1.0
	149	5745	1.58	26.49	0.0084	1.0
	157	5785	1.58	29.92	0.0094	1.0
	165	5825	1.58	33.50	0.0106	1.0
802.11a chain2	36	5180	1.58	97.05	0.0306	1.0
	40	5200	1.58	92.26	0.0291	1.0
	48	5240	1.58	78.52	0.0248	1.0
	149	5745	1.58	45.39	0.0143	1.0
	157	5785	1.58	52.84	0.0167	1.0
	165	5825	1.58	58.34	0.0184	1.0
802.11a chain3	36	5180	1.58	121.34	0.0383	1.0
	40	5200	1.58	115.61	0.0365	1.0
	48	5240	1.58	100.93	0.0318	1.0
	149	5745	1.58	23.60	0.0074	1.0
	157	5785	1.58	26.36	0.0083	1.0
	165	5825	1.58	32.14	0.0101	1.0

Antenna Gain 0/1/2/3 : 1.58(numeric)

Mode	Channel	Frequency (MHz)	Output power to antenna 0 (mW)	Output power to antenna 1 (mW)	Output power to antenna 2 (mW)	Output power to antenna 3 (mW)	Power density 0 (mW/cm2)	Power density 1 (mW/cm2)	Power density 2 (mW/cm2)	Power density 3 (mW/cm2)	Total Power density (mW/cm2)	Limit of power density (mW/cm2)
802.11n (20M)	36	5180	32.36	35.81	36.90	41.59	0.0102	0.0113	0.0116	0.0131	0.0462	1.0
	40	5200	33.42	36.81	36.48	43.05	0.0105	0.0116	0.0115	0.0136	0.0472	1.0
	48	5240	35.16	38.02	32.58	38.46	0.0111	0.0120	0.0103	0.0121	0.0455	1.0
	149	5745	8.04	7.31	7.33	8.81	0.0025	0.0023	0.0023	0.0028	0.0099	1.0
	157	5785	8.57	8.26	8.04	10.89	0.0027	0.0026	0.0025	0.0034	0.0113	1.0
	165	5825	8.59	9.14	9.16	12.39	0.0027	0.0029	0.0029	0.0039	0.0124	1.0
802.11n (40M)	38	5190	22.59	24.60	23.66	28.44	0.0071	0.0078	0.0075	0.0090	0.0313	1.0
	46	5230	21.18	24.38	20.99	24.43	0.0067	0.0077	0.0066	0.0077	0.0287	1.0
	151	5755	13.18	12.68	11.86	13.65	0.0042	0.0040	0.0037	0.0043	0.0162	1.0
	159	5795	11.27	15.00	13.58	16.48	0.0036	0.0047	0.0043	0.0052	0.0178	1.0
802.11ac (20M)	36	5180	31.99	35.56	36.48	40.83	0.0101	0.0112	0.0115	0.0129	0.0457	1.0
	40	5200	33.11	36.48	36.06	42.36	0.0104	0.0115	0.0114	0.0134	0.0467	1.0
	48	5240	34.83	37.41	32.06	37.67	0.0110	0.0118	0.0101	0.0119	0.0448	1.0
	149	5745	7.96	7.24	7.21	8.67	0.0025	0.0023	0.0023	0.0027	0.0098	1.0
	157	5785	8.49	8.20	7.93	10.72	0.0027	0.0026	0.0025	0.0034	0.0111	1.0
	165	5825	8.53	9.02	9.02	12.16	0.0027	0.0028	0.0028	0.0038	0.0122	1.0
802.11ac (40M)	38	5190	22.39	24.38	23.23	28.25	0.0071	0.0077	0.0073	0.0089	0.0310	1.0
	46	5230	20.84	23.66	20.61	24.10	0.0066	0.0075	0.0065	0.0076	0.0281	1.0
	151	5755	13.09	12.47	11.69	13.37	0.0041	0.0039	0.0037	0.0042	0.0160	1.0
	159	5795	11.07	14.79	13.34	16.18	0.0035	0.0047	0.0042	0.0051	0.0175	1.0
802.11ac (80M)	42	5210	18.41	19.14	17.30	20.84	0.0058	0.0060	0.0055	0.0066	0.0239	1.0
	155	5775	14.29	13.58	12.74	14.79	0.0045	0.0043	0.0040	0.0047	0.0175	1.0

The Notice in Installation Manual has been stated as below:

While installing and operating this transmitter, the radio frequency exposure limit of 1 mW/ (cm^2) may be exceeded at distances close to the transmitter. Therefore, the user must maintain a minimum distance of 20 cm from the device at all time.

The worst value of 2.4GHz band is 0.171 mW/ cm2. The worst value of 5GHz band is 0.0472 mW/ cm2. When the 2.4GHz and 5GHz are transmitting at the same time, the worst MPE value is 0.171+0.0472=0.2182 mW/ cm2. It is also met the limit.