RF TEST REPORT

Applicant	Honor Device Co., Ltd.
FCC ID	2AYGCANY-LX3
Product	Smart Phone
Model	ANY-LX3
Report No.	R2202A0171-R7V1
Issue Date	March 18, 2022

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15E (2021)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Prepared by: Peng Tao

Approved by: Kai Xu

TA Technology (Shanghai) Co., Ltd.

No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China

TEL: +86-021-50791141/2/3

FAX: +86-021-50791141/2/3-8000

TABLE OF CONTENT

Version	Revision description	Issue Date
Rev.0	Initial issue of report.	March 18, 2022
Rev.1	Added adapter information in Page 7.	March 18, 2022
Note: This revised report (Report No. R2202A0171-R7V1) supersedes and replaces the previously issued report (Report No. R2202A0171-R7). Please discard or destroy the previously issued report and dispose of it accordingly.		

Summary of measurement results

Number	Test Case	Clause in FCC rules	Verdict
1	Average output power	15.407(a)	PASS
2	Occupied bandwidth	15.407(e)	PASS
3	Frequency stability	15.407(g)	PASS
4	Power spectral density	15.407(a)	PASS
5	Unwanted Emissions	15.407(b)	PASS
6	Conducted Emissions	15.207	PASS
Date of Testing: February 23, 2022 ~ March 2, 2022 Date of Sample Received: February 21, 2022			
Note: PASS: The EUT complies with the essential requirements in the standard. FAIL: The EUT does not comply with the essential requirements in the standard. All indications of Pass/Fail in this report are opinions expressed by TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

1. Test Laboratory

1.1. Notes of the test report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

1.3. Testing Location

Company:	TA Technology (Shanghai) Co., Ltd.
Address:	No.145, Jintang Rd, Tangzhen Industry Park, Pudong
City:	Shanghai
Post code:	201201
Country:	P. R. China
Contact:	Xu Kai
Telephone:	+86-021-50791141/2/3
Fax:	+86-021-50791141/2/3-8000
Website:	http://www.ta-shanghai.com
E-mail:	xukai@ta-shanghai.com

2. General Description of Equipment under Test

2.1. Applicant and Manufacturer Information

Applicant	Honor Device Co., Ltd.
Applicant address	Suite 3401, Unit A, Building 6, Shum Yip Sky Park, No. 8089, Hongli West Road, Xiangmihu Street, Futian District, Shenzhen, Guangdong 518040, People's Republic of China
Manufacturer	Honor Device Co., Ltd.
Manufacturer address	Suite 3401, Unit A, Building 6, Shum Yip Sky Park, No. 8089, Hongli West Road, Xiangmihu Street, Futian District, Shenzhen, Guangdong 518040, People's Republic of China

2.2. General information

EUT Description			
Model	ANY-LX3		
SN	AJDR012126000081		
Hardware Version	HL2ANYM		
Software Version	4.2.0.19(SP01C900E11R1P1)		
Power Supply	Battery / AC adapter		
Antenna Type	Internal Antenna		
Antenna Gain	-1dBi		
Operating Frequency Range(s)	U-NII-1: 5150MHz-5250MHz U-NII-2A:5250MHz -5350MHz U-NII-2C:5470MHz-5725MHz U-NII-3: 5725MHz -5850MHz		
Modulation Type	802.11a/n (HT20/HT40) : OFDM 802.11ac (VHT20/VHT40/VHT80): OFDM		
Max. Power	18.92dBm		
Testing temperature range:	0° C to 35° C		
Operating temperature range:	0° C to 35° C		
Operating voltage range:	3.6V to 4.45V		
State DC voltage:	3.87V		
EUT Accessory			
Accessory	**Model**	**Manufacture**	**No.**
Adapter	HW-110600E00	Honor Device Co., Ltd. (Manufacturer: Astec)	1
	HW-110600B00	Honor Device Co., Ltd.	2

		(Manufacturer: Astec)	
	HW-110600U00	Honor Device Co., Ltd. (Manufacturer: Astec)	3
	HN-110600E00	Honor Device Co., Ltd. (Manufacturer: Astec)	4
	HN-110600B00	Honor Device Co., Ltd. (Manufacturer: Astec)	5
	HN-110600U00	Honor Device Co., Ltd. (Manufacturer: Astec)	6
Battery	HB466596EFW	Honor Device Co., Ltd. (Manufacturer: Desay)	1
	HB466596EFW	Honor Device Co., Ltd. (Manufacturer: NVT)	2
	HB466596EFW	Honor Device Co., Ltd. (Manufacturer: SCUD)	3
Earphone	1293-3283-3.5mm-339	BOLUO COUNTY QUANCHENG ELECTRONIC CO.,LTD.	1
	EPAB542-2WH05-DH	FOXCONN INTERCONNECT TECHNOLOGY LIMITED	2
	MEND1532B528A11	Jiangxi Lianchuang Hongsheng Electronic Co., LTD.	3
USB Cable	L99UC139 - CS - H	Luxshare Precision Industry Co.,Ltd.	1
	213-01011-0	MING JI ELECTRONICS CO., LTD.	2
Earphone,USB Type-C to 3.5mm Adapter Assembly	Model: USB042020090AW7		

Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.

2. There is more than one Adapter/Battery/ USB cable, each one should be applied throughout the compliance test respectively, and however, only the worst case (Adapter 3/ Battery 2 for Unwanted Emissions and Battery 3 for Conducted Emissions/ USB cable 1) will be recorded in this report.

3. Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards:

FCC CFR47 Part 15E (2021) Unlicensed National Information Infrastructure Devices

ANSI C63.10 (2013)

Reference standard:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

4. Test Configuration

Test Mode

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate. Preliminary tests have been done on all the configuration for confirming worst case. Data rate below means worst-case rate of each test item.

Worst-case data rates are shown as following table.

Mode	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

Wireless Technology and Frequency Range

Wireless Technology		Bandwidth	Channel	Frequency
Wi-Fi	U-NII-1	20 MHz	36	5180MHz
			40	5200MHz
			44	5220MHz
			48	5240MHz
		40 MHz	38	5190MHz
			46	5230MHz
		80 MHz	42	5210MHz
	U-NII-2A	20 MHz	52	5260MHz
			56	5280MHz
			60	5300MHz
			64	5320MHz
		40 MHz	54	5270MHz
			62	5310MHz
		80 MHz	58	5290MHz
	U-NII-2C	20 MHz	100	5500MHz
			104	5520MHz
			108	5540MHz
			112	5560MHz
			116	5580MHz
			120	5600MHz
			124	5620MHz
			128	5640MHz
			132	5660MHz
			136	5680MHz
			140	5700MHz
			144	5720 MHz
		40 MHz	102	5510MHz
			110	5550MHz
			118	5590MHz
			126	5630MHz
			134	5670MHz
			142	5710MHz
		80 MHz	106	5530MHz
			122	5610MHz
			138	5690MHz
	U-NII-3	20 MHz	149	5745MHz
			153	5765MHz
			157	5785MHz

			161	5805MHz
			165	5825MHz
		40 MHz	151	5755MHz
			159	5795MHz
		80 MHz	155	5775MHz
Does this device support TPC Function? ☒Yes ☐No				
Does this device support TDWR Band? ☒Yes ☐No				

5. Test Case Results

5.1. Occupied Bandwidth

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable.

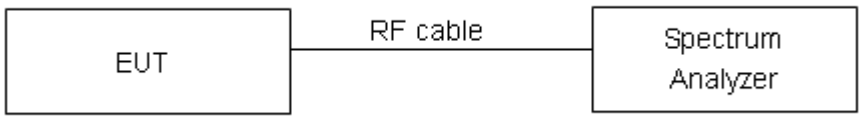
For U-NII-1/U-NII-2A/U-NII-2C, set RBW ≈1% OCB kHz, VBW ≥ 3 × RBW, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.

For U-NII-3, Set RBW = 100 kHz, VBW ≥ 3 × RBW, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

Use the 99 % power bandwidth function of the instrument

Test Setup



Limits

Rule FCC Part §15.407(e)

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 936 Hz.

Test Results:

U-NII-1

Mode	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 26 dB bandwidth (MHz)	Conclusion
802.11a	36/5180	16.57	23.08	PASS
	40/5200	17.25	26.64	PASS
	48/5240	17.41	27.12	PASS
802.11n HT20	36/5180	17.79	24.57	PASS
	40/5200	18.70	29.10	PASS
	48/5240	18.14	28.14	PASS
802.11n HT40	38/5190	36.17	40.80	PASS
	46/5230	36.23	51.32	PASS
802.11ac VHT20	36/5180	17.76	23.62	PASS
	40/5200	18.14	28.54	PASS
	48/5240	18.00	27.54	PASS
802.11ac VHT40	38/5190	36.16	41.26	PASS
	46/5230	36.25	50.56	PASS
802.11ac VHT80	42/5210	75.65	83.21	PASS

U-NII-2A

Mode	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 26 dB bandwidth (MHz)	Conclusion
802.11a	52/5260	16.98	26.10	PASS
	60/5300	16.82	25.42	PASS
	64/5320	16.60	25.37	PASS
802.11n HT20	52/5260	17.95	28.64	PASS
	60/5300	17.95	27.85	PASS
	64/5320	17.83	22.75	PASS
802.11n HT40	54/5270	36.25	47.44	PASS
	62/5310	36.19	41.83	PASS
802.11ac VHT20	52/5260	17.97	28.22	PASS
	60/5300	17.88	25.50	PASS
	64/5320	17.81	22.71	PASS
802.11ac VHT40	54/5270	36.25	49.24	PASS
	62/5310	36.17	40.86	PASS
802.11ac VHT80	58/5290	75.64	84.13	PASS

U-NII-2C

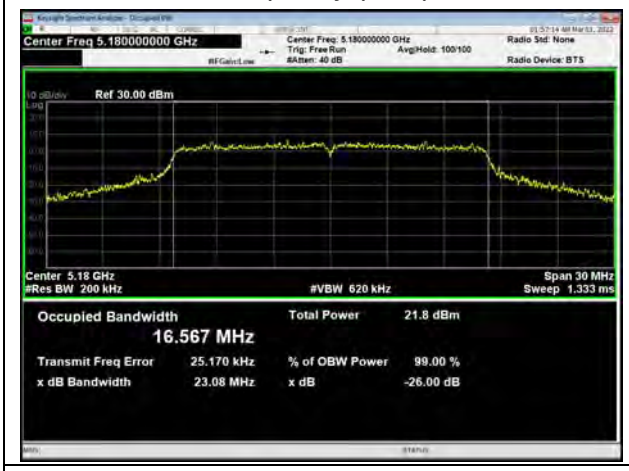
Mode	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 26 dB bandwidth (MHz)	Conclusion
802.11a	100/5500	16.90	29.31	PASS
	104/5520	17.65	30.00	PASS
	120/5600	18.05	30.00	PASS
	136/5680	18.58	30.00	PASS
	140/5700	16.57	26.04	PASS
	144/5720	17.62	29.45	PASS
802.11n HT20	100/5500	18.02	28.09	PASS
	104/5520	18.03	28.08	PASS
	120/5600	18.18	28.99	PASS
	136/5680	18.51	29.03	PASS
	140/5700	17.78	23.06	PASS
	144/5720	18.13	29.02	PASS
802.11n HT40	102/5510	36.15	40.83	PASS
	110/5550	36.29	50.89	PASS
	118/5590	36.27	51.19	PASS
	126/5630	36.28	49.84	PASS
	134/5670	36.18	41.91	PASS
	142/5710	36.28	49.53	PASS
802.11ac VHT20	100/5500	18.02	28.13	PASS
	104/5520	17.91	27.28	PASS
	120/5600	18.05	19.12	PASS
	136/5680	18.22	28.87	PASS
	140/5700	17.76	22.44	PASS
	144/5720	17.97	27.94	PASS
802.11ac VHT40	102/5510	36.13	40.93	PASS
	110/5550	36.30	51.50	PASS
	118/5590	36.31	51.76	PASS
	126/5630	36.23	50.02	PASS
	134/5670	36.20	42.04	PASS
	142/5710	36.27	53.93	PASS
802.11ac VHT80	106/5530	75.65	82.63	PASS
	122/5610	75.66	82.29	PASS
	138/5690	75.92	116.00	PASS

U-NII-3

Mode	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 6 dB bandwidth (MHz)	Limit (kHz)	Conclusion
802.11a	149/5745	17.81	14.42	500	PASS
	157/5785	17.58	13.88	500	PASS
	165/5825	17.81	15.10	500	PASS
802.11n HT20	149/5745	18.67	16.43	500	PASS
	157/5785	18.30	17.22	500	PASS
	165/5825	18.38	15.43	500	PASS
802.11n HT40	151/5755	36.27	34.98	500	PASS
	159/5795	36.30	35.45	500	PASS
802.11ac VHT20	149/5745	18.27	17.54	500	PASS
	157/5785	18.07	17.57	500	PASS
	165/5825	18.14	15.34	500	PASS
802.11ac VHT40	151/5755	36.30	35.13	500	PASS
	159/5795	36.31	35.10	500	PASS
802.11ac VHT80	155/5775	75.81	75.36	500	PASS

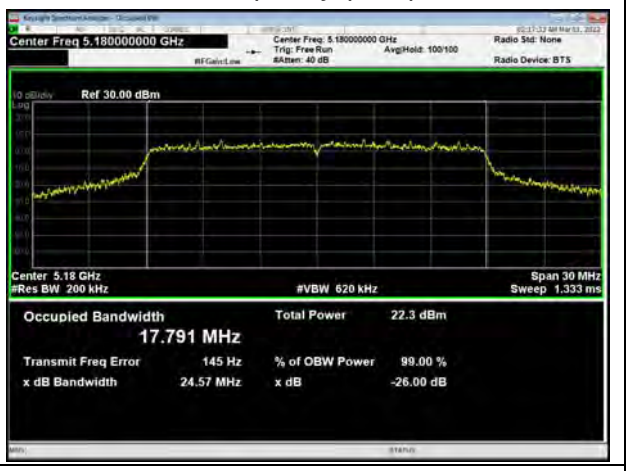
U-NII-1, 802.11a

Carrier frequency (MHz): 5180



U-NII-1, 802.11n HT20

Carrier frequency (MHz): 5180

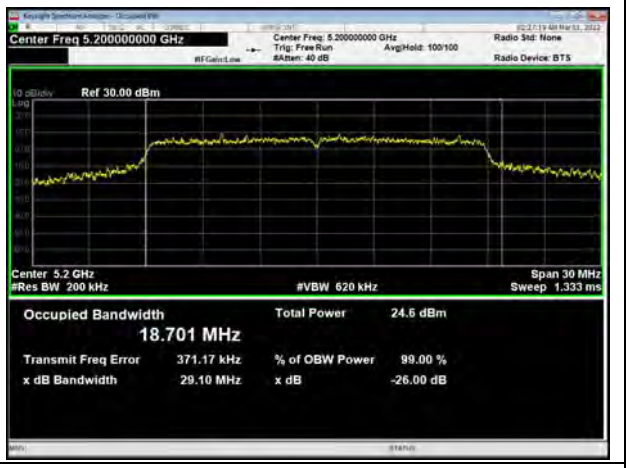


U-NII-1, 802.11a

Carrier frequency (MHz): 5200

U-NII-1, 802.11n HT20

Carrier frequency (MHz): 5200



U-NII-1, 802.11a

Carrier frequency (MHz):5240

U-NII-1, 802.11n HT20

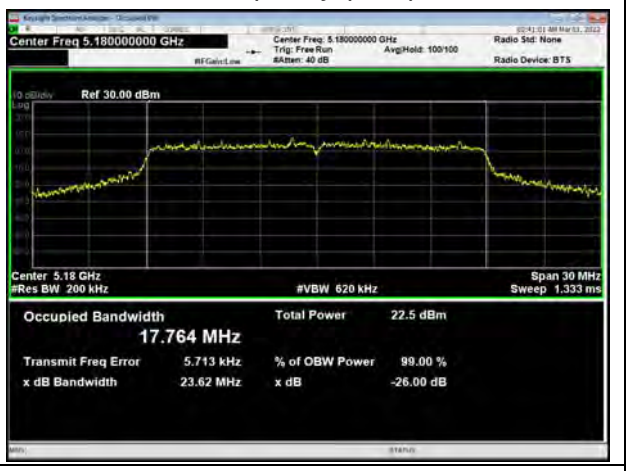
Carrier frequency (MHz):5240

U-NII-1, 802.11n HT40

Carrier frequency (MHz): 5190

U-NII-1, 802.11ac VHT20

Carrier frequency (MHz): 5180



U-NII-1, 802.11n HT40

Carrier frequency (MHz): 5230

U-NII-1, 802.11ac VHT20

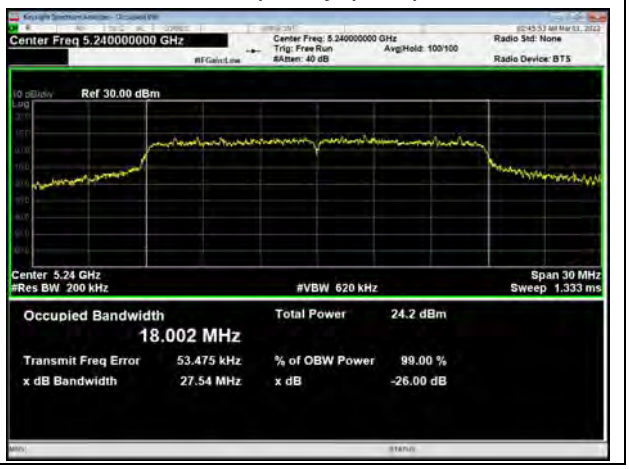
Carrier frequency (MHz): 5200

U-NII-1, 802.11ac VHT40

Carrier frequency (MHz): 5190

U-NII-1, 802.11ac VHT20

Carrier frequency (MHz):5240

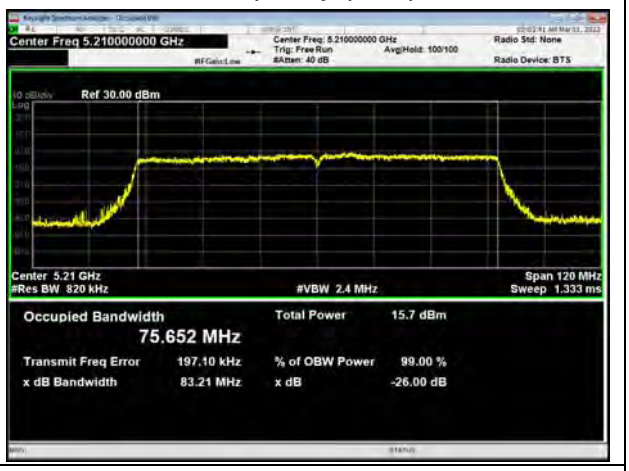


U-NII-1, 802.11ac VHT40

Carrier frequency (MHz): 5230

U-NII-1, 802.11ac VHT80

Carrier frequency (MHz): 5210



U-NII-2A, 802.11a

Carrier frequency (MHz): 5260

U-NII-2A, 802.11n HT20

Carrier frequency (MHz): 5260

U-NII-2A, 802.11a

Carrier frequency (MHz): 5300

U-NII-2A, 802.11n HT20

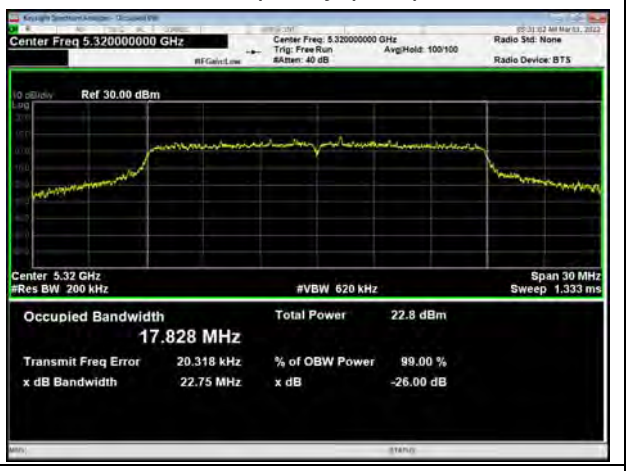
Carrier frequency (MHz): 5300

U-NII-2A, 802.11a

Carrier frequency (MHz):5320

U-NII-2A, 802.11n HT20

Carrier frequency (MHz):5320



U-NII-2A, 802.11n HT40

Carrier frequency (MHz): 5270

U-NII-2A, 802.11ac VHT20

Carrier frequency (MHz):5260

U-NII-2A, 802.11n HT40

Carrier frequency (MHz): 5310

U-NII-2A, 802.11ac VHT20

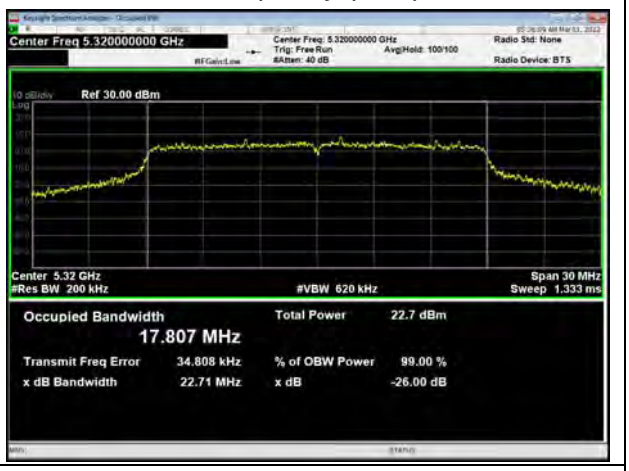
Carrier frequency (MHz): 5300

U-NII-2A, 802.11ac VHT40

Carrier frequency (MHz): 5270

U-NII-2A, 802.11ac VHT20

Carrier frequency (MHz):5320

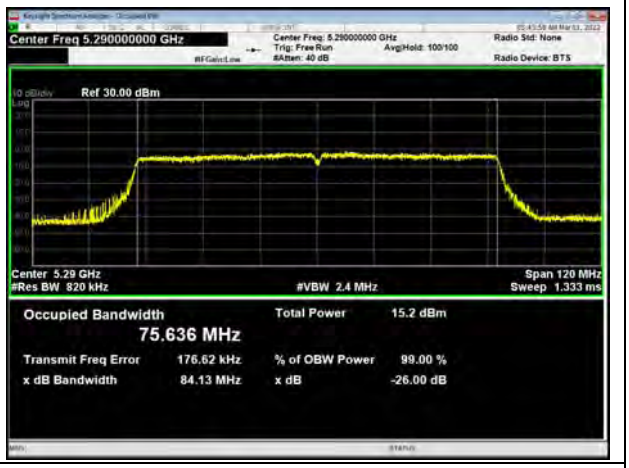


U-NII-2A, 802.11ac VHT40

Carrier frequency (MHz): 5310

U-NII-2A, 802.11ac VHT80

Carrier frequency (MHz): 5290

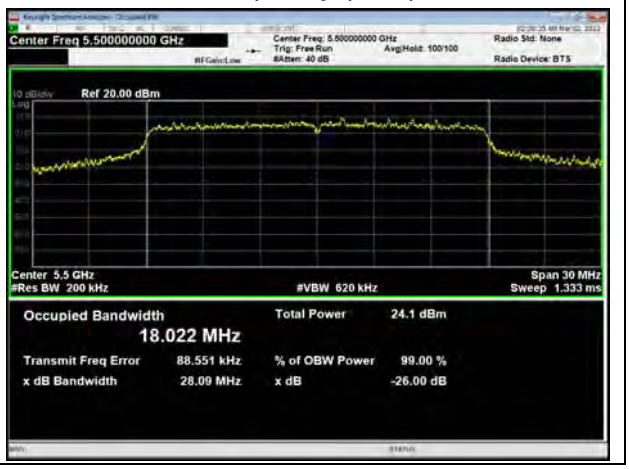


U-NII-2C, 802.11a

Carrier frequency (MHz): 5500

U-NII-2C, 802.11n HT20

Carrier frequency (MHz): 5500

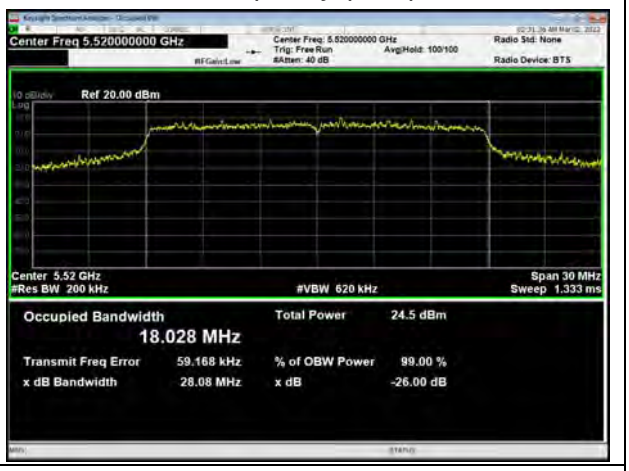


U-NII-2C, 802.11a

Carrier frequency (MHz): 5520

U-NII-2C, 802.11n HT20

Carrier frequency (MHz): 5520



U-NII-2C, 802.11a

Carrier frequency (MHz): 5600

U-NII-2C, 802.11n HT20

Carrier frequency (MHz): 5600

U-NII-2C, 802.11a

Carrier frequency (MHz): 5680

U-NII-2C, 802.11n HT20

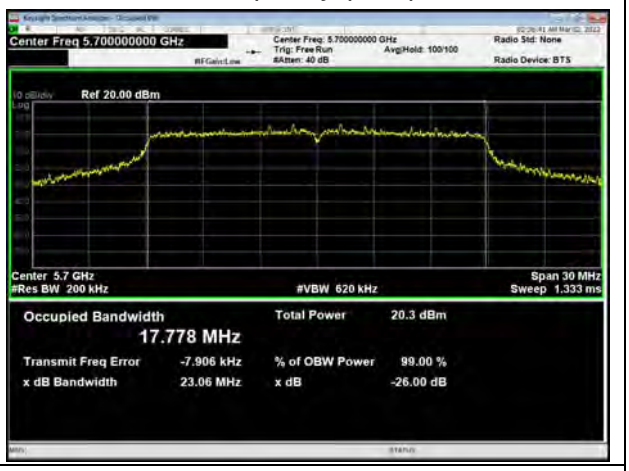
Carrier frequency (MHz): 5680

U-NII-2C, 802.11a

Carrier frequency (MHz): 5680

U-NII-2C, 802.11n HT20

Carrier frequency (MHz): 5700



U-NII-2C, 802.11a

Carrier frequency (MHz): 5720

U-NII-2C, 802.11n HT20

Carrier frequency (MHz): 5720

U-NII-2C, 802.11n HT40

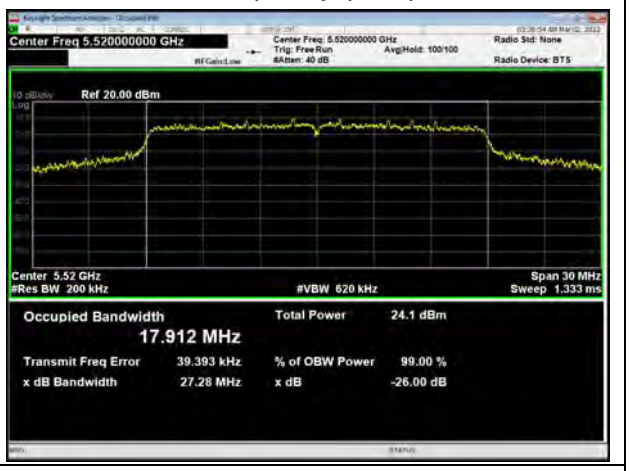
Carrier frequency (MHz): 5510

U-NII-2C, 802.11ac VHT20

Carrier frequency (MHz): 5500

U-NII-2C, 802.11n HT40
Carrier frequency (MHz): 5550

U-NII-2C, 802.11ac VHT20
Carrier frequency (MHz): 5520



U-NII-2C, 802.11n HT40
Carrier frequency (MHz): 5590

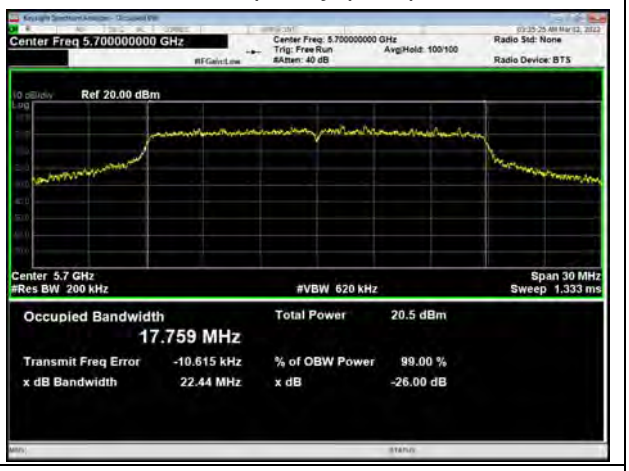
U-NII-2C, 802.11ac VHT20
Carrier frequency (MHz): 5600

U-NII-2C, 802.11n HT40
Carrier frequency (MHz): 5630

U-NII-2C, 802.11ac VHT20
Carrier frequency (MHz): 5680

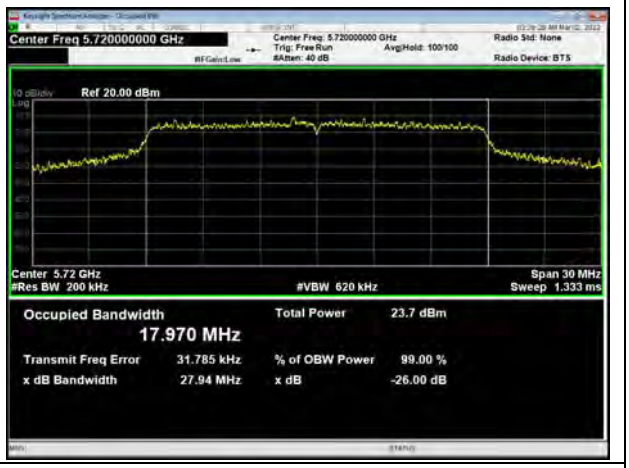
U-NII-2C, 802.11n HT40
Carrier frequency (MHz): 5670

U-NII-2C, 802.11ac VHT20
Carrier frequency (MHz): 5700



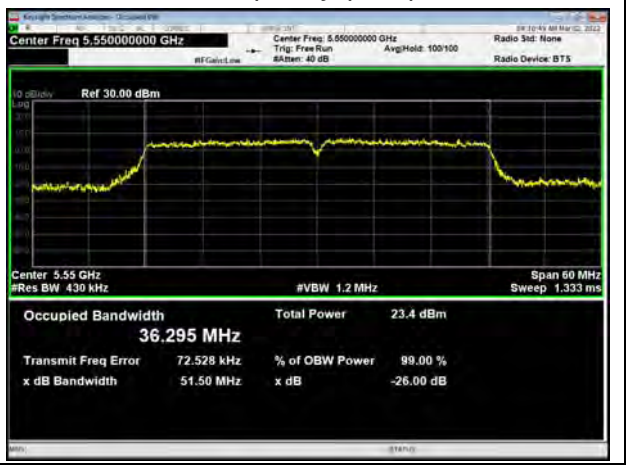
U-NII-2C, 802.11n HT40
Carrier frequency (MHz): 5710

U-NII-2C, 802.11ac VHT20
Carrier frequency (MHz): 5720



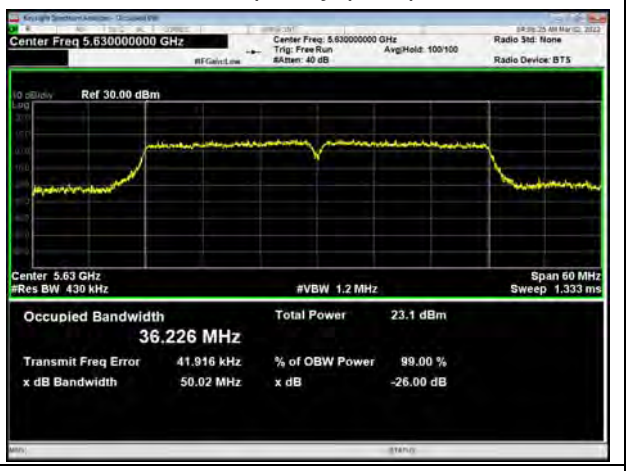
U-NII-2C, 802.11ac VHT40
Carrier frequency (MHz): 5510

U-NII-2C, 802.11ac VHT40
Carrier frequency (MHz): 5550



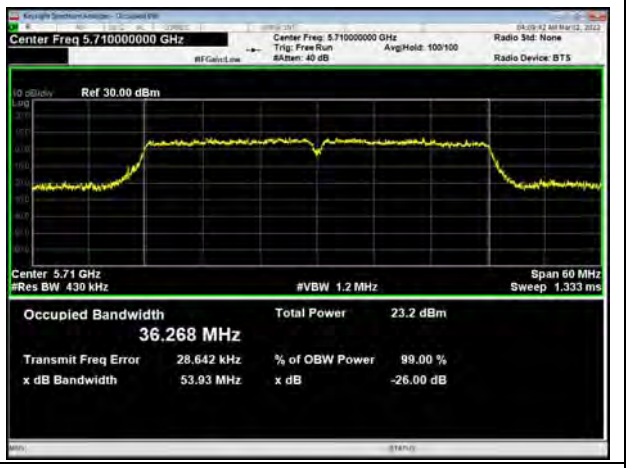
U-NII-2C, 802.11ac VHT40
Carrier frequency (MHz): 5590

U-NII-2C, 802.11ac VHT40
Carrier frequency (MHz): 5630



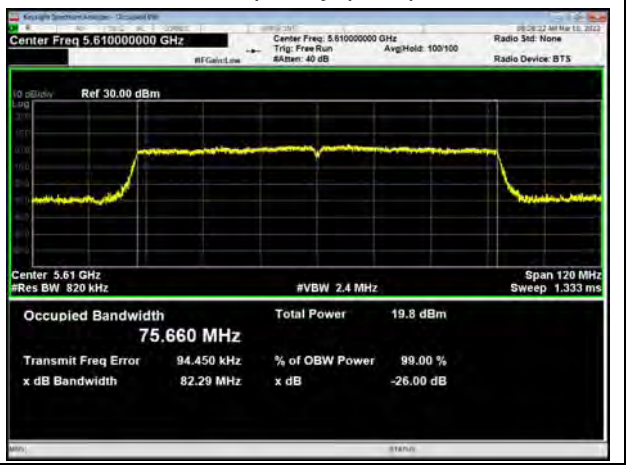
U-NII-2C, 802.11ac VHT40
Carrier frequency (MHz): 5670

U-NII-2C, 802.11ac VHT40
Carrier frequency (MHz): 5710



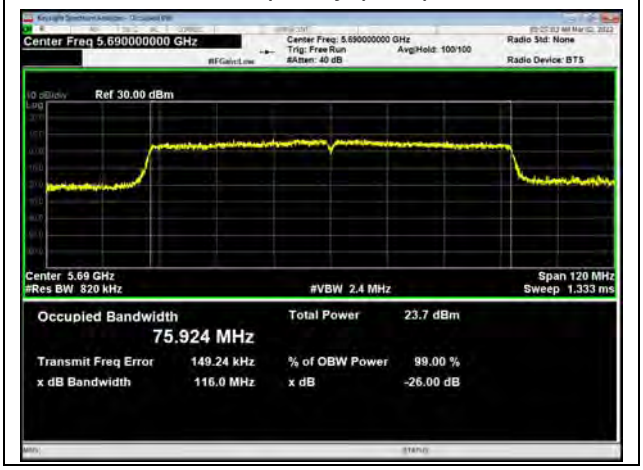
U-NII-2C, 802.11ac VHT80
Carrier frequency (MHz): 5530

U-NII-2C, 802.11ac VHT80
Carrier frequency (MHz): 5610



U-NII-2C, 802.11ac VHT80

Carrier frequency (MHz): 5690



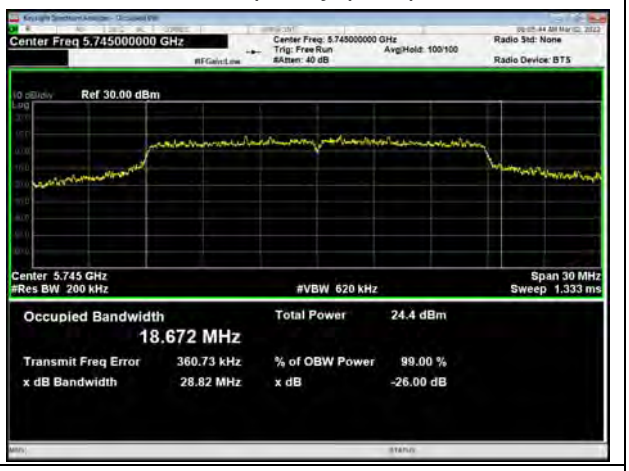
99% bandwidth

U-NII-3, 802.11a

Carrier frequency (MHz): 5745

U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5745

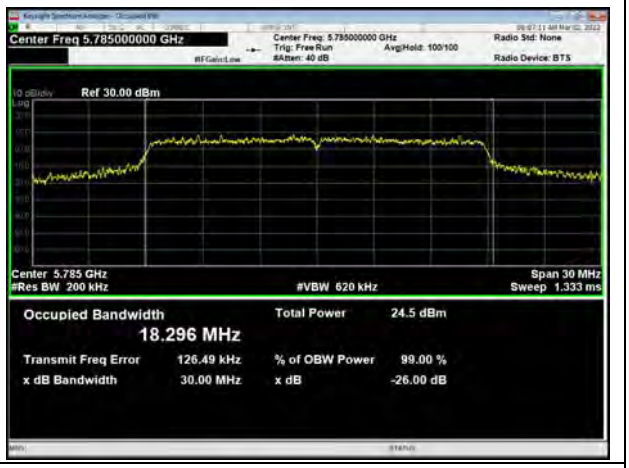


U-NII-3, 802.11a

Carrier frequency (MHz): 5785

U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5785



U-NII-3, 802.11a

Carrier frequency (MHz): 5825

U-NII-3, 802.11n HT20

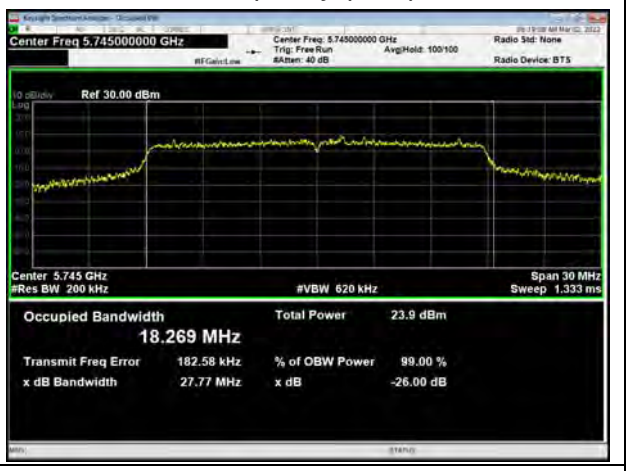
Carrier frequency (MHz): 5825

U-NII-3, 802.11n HT40

Carrier frequency (MHz): 5755

U-NII-3, 802.11ac VHT20

Carrier frequency (MHz): 5745



U-NII-3, 802.11n HT40

Carrier frequency (MHz): 5795

U-NII-3, 802.11ac VHT20

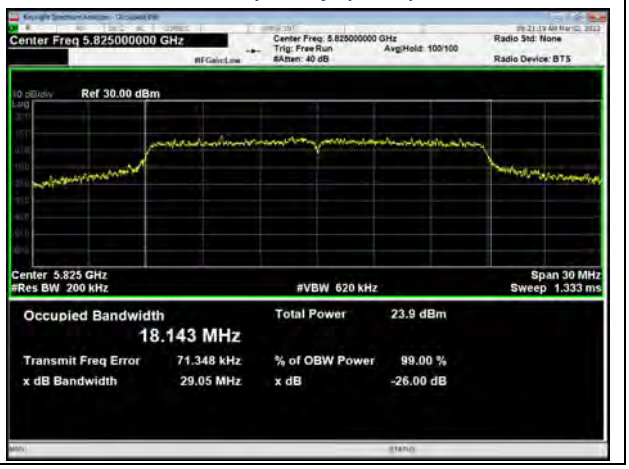
Carrier frequency (MHz): 5785

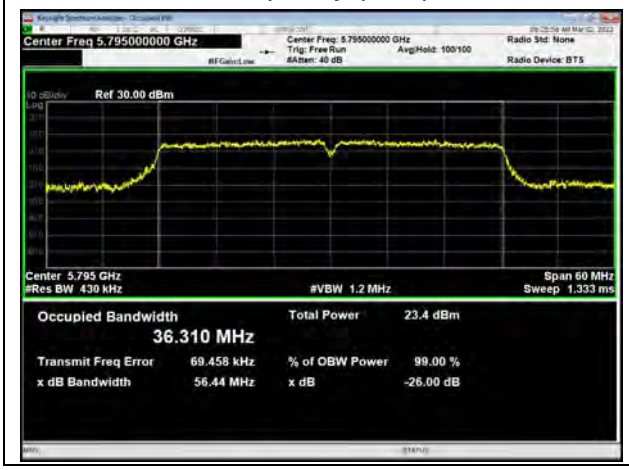
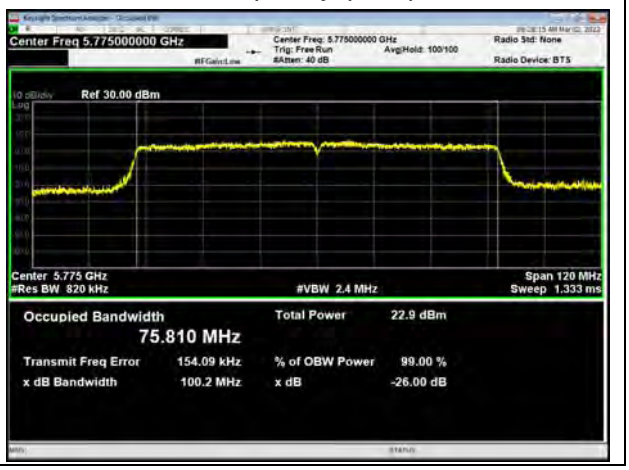
U-NII-3, 802.11ac VHT40

Carrier frequency (MHz): 5755

U-NII-3, 802.11ac VHT20

Carrier frequency (MHz): 5825



U-NII-3, 802.11ac VHT40 Carrier frequency (MHz): 5795	U-NII-3, 802.11ac VHT80 Carrier frequency (MHz): 5775
	

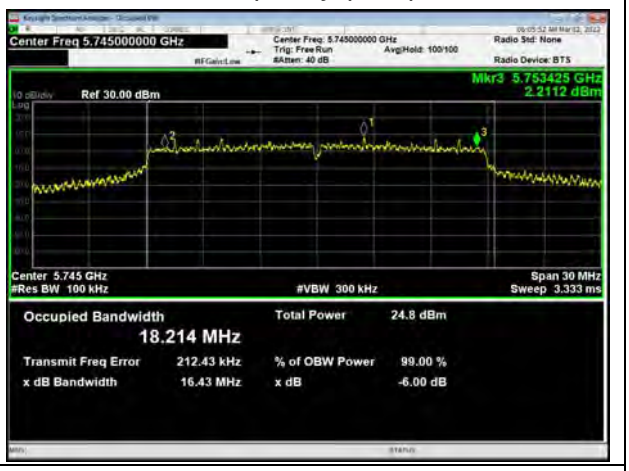
Minimum 6 dB bandwidth

U-NII-3, 802.11a

Carrier frequency (MHz): 5745

U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5745

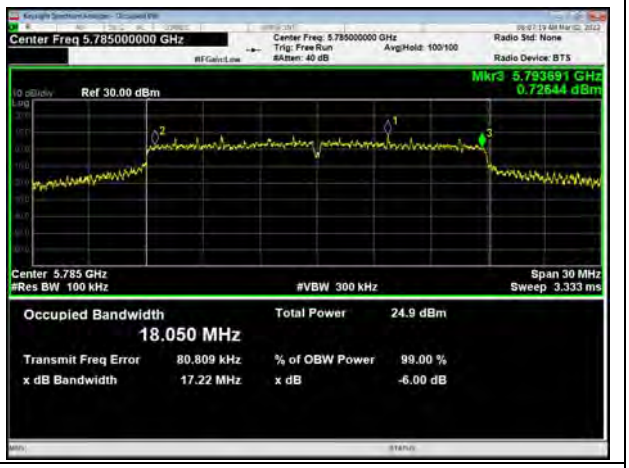


U-NII-3, 802.11a

Carrier frequency (MHz): 5785

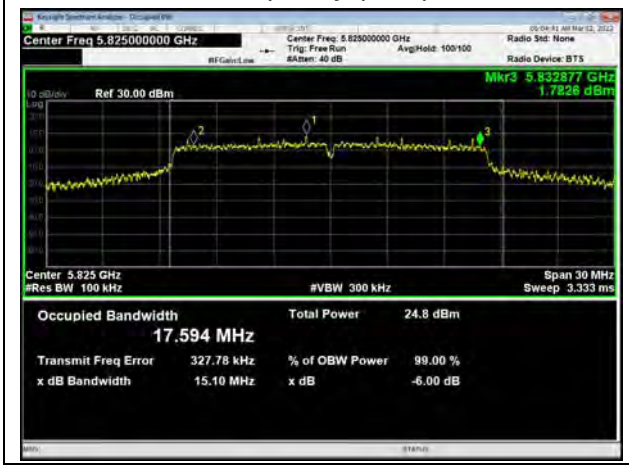
U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5785



U-NII-3, 802.11a

Carrier frequency (MHz): 5825



U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5825

U-NII-3, 802.11n HT40
Carrier frequency (MHz): 5755

U-NII-3, 802.11ac VHT20
Carrier frequency (MHz): 5745

U-NII-3, 802.11n HT40
Carrier frequency (MHz): 5795

U-NII-3, 802.11ac VHT20
Carrier frequency (MHz): 5785

U-NII-3, 802.11ac VHT40
Carrier frequency (MHz): 5755

U-NII-3, 802.11ac VHT20
Carrier frequency (MHz): 5825

U-NII-3, 802.11ac VHT40 Carrier frequency (MHz): 5795	U-NII-3, 802.11ac VHT80 Carrier frequency (MHz): 5775
	

5.2. Average Power Output

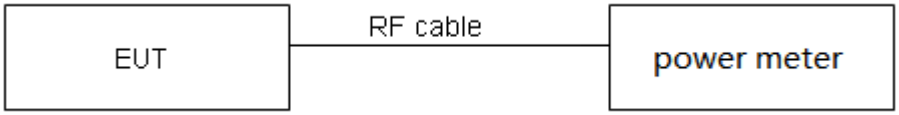
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

During the process of the testing, The EUT was connected to the average power meter through an external attenuator and a known loss cable. The EUT is max power transmission with proper modulation. We use Maximum average Conducted Output Power Level Method in KDB789033 for this test

Test Setup



Limits

Rule FCC Part 15.407(a)(1)(2)(3)
(1) For the band 5.15-5.25 GHz.
(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).
(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude

the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3)For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 0.44 dB.

Test Results

Mode	T_{on} (ms)	$T_{(on+off)}$ (ms)	Duty cycle	Duty cycle correction Factor(dB)
802.11a	2.07	2.10	0.99	0.00
802.11n HT20	1.93	1.96	0.98	0.00
802.11n HT40	0.95	0.98	0.97	0.14
802.11ac VHT20	1.94	1.98	0.98	0.00
802.11ac VHT40	0.95	0.99	0.96	0.18
802.11ac VHT80	0.46	0.50	0.92	0.36
Note: when Duty cycle≥0.98, Duty cycle correction Factor not required.				

Test Mode		Channel/Frequency (MHz)	B=26 dB bandwidth (MHz)	Limit 11 dBm + 10 log B (dBm)	Final Limit(dBm)
U-NII-2A	802.11a	52/5260	26.10	25.17>24	24.00
		60/5300	25.42	25.05>24	24.00
		64/5320	25.37	25.04>24	24.00
	802.11n HT20	52/5260	28.64	25.57>24	24.00
		60/5300	27.85	25.45>24	24.00
		64/5320	22.75	24.57>24	24.00
	802.11n HT40	54/5270	47.44	27.76>24	24.00
		62/5310	41.83	27.21>24	24.00
	802.11ac VHT20	52/5260	28.22	25.51>24	24.00
		60/5300	25.50	25.07>24	24.00
		64/5320	22.71	24.56>24	24.00
	802.11ac VHT40	54/5270	49.24	27.92>24	24.00
		62/5310	40.86	27.11>24	24.00
	802.11ac VHT80	58/5290	84.13	30.25>24	24.00
U-NII-2C	802.11a	100/5500	29.31	25.67>24	24.00
		104/5520	30.00	25.77>24	24.00
		120/5600	30.00	25.77>24	24.00
		136/5680	30.00	25.77>24	24.00
		140/5700	26.04	25.16>24	24.00
		142/5720	29.45	25.69>24	24.00
	802.11n HT20	100/5500	28.09	25.49>24	24.00
		104/5520	28.08	25.48>24	24.00
		120/5600	28.99	25.62>24	24.00
		136/5680	29.03	25.63>24	24.00
		140/5700	23.06	24.63>24	24.00

		142/5720	29.02	25.63>24	24.00
	802.11n HT40	102/5510	40.83	27.11>24	24.00
		110/5550	50.89	28.07>24	24.00
		118/5590	51.19	28.09>24	24.00
		126/5630	49.84	27.98>24	24.00
		134/5670	41.91	27.22>24	24.00
		142/5710	49.53	27.95>24	24.00
	802.11ac VHT20	100/5500	28.13	25.49>24	24.00
		104/5520	27.28	25.36>24	24.00
		120/5600	19.12	23.81<24	23.81
		136/5680	28.87	25.60>24	24.00
		140/5700	22.44	24.51>24	24.00
		142/5720	27.94	25.46>24	24.00
	802.11ac VHT40	102/5510	40.93	27.12>24	24.00
		110/5550	51.50	28.12>24	24.00
		118/5590	51.76	28.14>24	24.00
		126/5630	50.02	27.99>24	24.00
		134/5670	42.04	27.24>24	24.00
		142/5710	53.93	28.32>24	24.00
	802.11ac VHT80	106/5530	82.63	30.17>24	24.00
		122/5610	82.29	30.15>24	24.00
		138/5690	116.00	31.64>24	24.00
Note: 250mW=24dBm					

Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor

U-NII-1

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	36/5180	16.07	16.07	24.00	PASS
	40/5200	18.51	18.51	24.00	PASS
	48/5240	18.83	18.83	24.00	PASS
802.11n HT20	36/5180	16.39	16.39	24.00	PASS
	40/5200	18.79	18.79	24.00	PASS
	48/5240	18.71	18.71	24.00	PASS
802.11n HT40	38/5190	10.34	10.48	24.00	PASS
	46/5230	17.86	18.00	24.00	PASS
802.11ac VHT20	36/5180	16.33	16.33	24.00	PASS
	40/5200	18.37	18.37	24.00	PASS
	48/5240	18.24	18.24	24.00	PASS
802.11ac VHT40	38/5190	10.31	10.49	24.00	PASS
	46/5230	17.82	18.00	24.00	PASS
802.11ac VHT80	42/5210	9.13	9.49	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-2A

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	52/5260	18.79	18.79	24.00	PASS
	60/5300	18.45	18.45	24.00	PASS
	64/5320	17.11	17.11	24.00	PASS
802.11n HT20	52/5260	18.74	18.74	24.00	PASS
	60/5300	18.40	18.40	24.00	PASS
	64/5320	17.06	17.06	24.00	PASS
802.11n HT40	54/5270	17.75	17.89	24.00	PASS
	62/5310	10.82	10.96	24.00	PASS
802.11ac VHT20	52/5260	18.48	18.48	24.00	PASS
	60/5300	18.41	18.41	24.00	PASS
	64/5320	17.04	17.04	24.00	PASS
802.11ac VHT40	54/5270	17.77	17.95	24.00	PASS
	62/5310	10.79	10.97	24.00	PASS
802.11ac VHT80	58/5290	8.61	8.97	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-2C

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	100/5500	18.12	18.12	24.00	PASS
	104/5520	18.92	18.92	24.00	PASS
	120/5600	18.84	18.84	24.00	PASS
	136/5680	18.80	18.80	24.00	PASS
	140/5700	14.79	14.79	24.00	PASS
	144/5720	18.54	18.54	24.00	PASS
802.11n HT20	100/5500	18.37	18.37	24.00	PASS
	104/5520	18.66	18.66	24.00	PASS
	120/5600	18.65	18.65	24.00	PASS
	136/5680	18.70	18.70	24.00	PASS
	140/5700	14.68	14.68	24.00	PASS
	144/5720	18.48	18.48	24.00	PASS
802.11n HT40	102/5510	10.12	10.26	24.00	PASS
	110/5550	17.60	17.74	24.00	PASS
	118/5590	17.53	17.67	24.00	PASS
	126/5630	17.46	17.60	24.00	PASS
	134/5670	15.93	16.07	24.00	PASS
	142/5710	17.39	17.53	24.00	PASS
802.11ac VHT20	100/5500	18.31	18.31	24.00	PASS
	104/5520	18.20	18.20	24.00	PASS
	120/5600	18.23	18.23	24.00	PASS
	136/5680	18.33	18.33	24.00	PASS
	140/5700	14.69	14.69	23.81	PASS
	144/5720	18.02	18.02	24.00	PASS
802.11ac VHT40	102/5510	8.31	8.49	24.00	PASS
	110/5550	17.58	17.76	24.00	PASS
	118/5590	17.49	17.67	24.00	PASS
	126/5630	17.41	17.59	24.00	PASS
	134/5670	15.96	16.14	24.00	PASS
	142/5710	17.40	17.58	24.00	PASS
802.11ac VHT80	106/5530	8.70	9.06	24.00	PASS
	122/5610	15.20	15.56	24.00	PASS
	138/5690	15.52	15.88	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-3

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	149/5745	18.77	18.77	30.00	PASS
	157/5785	18.90	18.90	30.00	PASS
	165/5825	18.87	18.87	30.00	PASS
802.11n HT20	149/5745	18.64	18.64	30.00	PASS
	157/5785	18.79	18.79	30.00	PASS
	165/5825	18.84	18.84	30.00	PASS
802.11n HT40	151/5755	17.63	17.77	30.00	PASS
	159/5795	17.61	17.75	30.00	PASS
802.11ac VHT20	149/5745	18.21	18.21	30.00	PASS
	157/5785	18.36	18.36	30.00	PASS
	165/5825	18.24	18.24	30.00	PASS
802.11ac VHT40	151/5755	17.62	17.80	30.00	PASS
	159/5795	17.62	17.80	30.00	PASS
802.11ac VHT80	155/5775	16.35	16.71	30.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

5.3. Frequency Stability

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

1. Frequency stability with respect to ambient temperature

a) Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT. If possible, a dummy load shall be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped with a permanently attached, adjustable-length antenna, then the EUT shall be placed in the center of the chamber with the antenna adjusted to the shortest length possible. Turn ON the EUT and tune it to one of the number of frequencies shown in 5.6.

b) Couple the unlicensed wireless device output to the measuring instrument by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away), or by connecting a dummy load to the measuring instrument, through an attenuator if necessary.

c) Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).

d) Turn the EUT OFF and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.

e) Set the temperature control on the chamber to the highest specified in the regulatory requirements for the type of device and allow the oscillator heater and the chamber temperature to stabilize.

f) While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.

g) Measure the frequency at each of frequencies specified in 5.6.

h) Switch OFF the EUT but do not switch OFF the oscillator heater.

i) Lower the chamber temperature by not more that 10°C, and allow the temperature inside the chamber to stabilize.

j) Repeat step f) through step i) down to the lowest specified temperature.

2. Frequency stability when varying supply voltage

Unless otherwise specified, these tests shall be made at ambient room temperature (+15°C to +25 °C). An antenna shall be connected to the antenna output terminals of the EUT if possible. If the EUT is equipped with or uses an adjustable-length antenna, then it shall be fully extended.

a) Supply the EUT with nominal voltage or install a new or fully charged battery in the EUT. Turn ON the EUT and couple its output to a frequency counter or other frequency-measuring instrument.

b) Tune the EUT to one of the number of frequencies required in 5.6. Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
c) Measure the frequency at each of the frequencies specified in 5.6.
d) Repeat the above procedure at 85% and 115% of the nominal supply voltage.

Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 936Hz

Test Results

Voltage (V)	Temperature (°C)	U-NII-1 Test Results			
		5200MHz			
		1min	2min	5min	10min
3.87	0	5199.990511	5199.987345	5199.986610	5199.983038
3.87	5	5199.980836	5199.985448	5199.979959	5199.976359
3.87	10	5199.972726	5199.981406	5199.979029	5199.974525
3.87	15	5199.969274	5199.977201	5199.978874	5199.971404
3.87	20	5199.968796	5199.975949	5199.977899	5199.967793
3.87	25	5199.968636	5199.974117	5199.971252	5199.967739
3.87	30	5199.961488	5199.965254	5199.966365	5199.967289
3.87	35	5199.954421	5199.956120	5199.961239	5199.960913
3.60	25	5199.952583	5199.950611	5199.955425	5199.952173
4.45	25	5199.952549	5199.947011	5199.950143	5199.946099
Max. ΔMHz		-0.047451	-0.052989	-0.049857	-0.053901
PPM		-9.125203	-10.190165	-9.587877	-10.365522

Voltage (V)	Temperature (°C)	U-NII-2A Test Results			
		5300MHz			
		1min	2min	5min	10min
3.87	0	5299.994947	5299.985344	5299.984940	5299.978222
3.87	5	5299.994910	5299.978992	5299.976005	5299.974020
3.87	10	5299.993417	5299.973614	5299.968008	5299.967618
3.87	15	5299.991551	5299.971477	5299.960297	5299.965267
3.87	20	5299.982965	5299.962911	5299.957982	5299.961054
3.87	25	5299.982192	5299.953383	5299.948653	5299.952169
3.87	30	5299.981185	5299.947707	5299.946553	5299.944728
3.87	35	5299.978716	5299.943714	5299.945141	5299.943777
3.60	25	5299.970913	5299.941089	5299.938279	5299.936785
4.45	25	5299.968696	5299.939769	5299.928820	5299.935264
Max. ΔMHz		-0.031304	-0.060231	-0.071180	-0.064736
PPM		-5.906451	-11.364405	-13.430263	-12.214426

Voltage (V)	Temperature (°C)	U-NII-2C Test Results			
		5580MHz			
		1min	2min	5min	10min
3.87	0	5579.992654	5579.986685	5579.978650	5579.970770
3.87	5	5579.987669	5579.984089	5579.975229	5579.970583
3.87	10	5579.982732	5579.977059	5579.971866	5579.962745
3.87	15	5579.982523	5579.973575	5579.965964	5579.954633
3.87	20	5579.981488	5579.965674	5579.961402	5579.948807
3.87	25	5579.976704	5579.957789	5579.957454	5579.939578
3.87	30	5579.972661	5579.948798	5579.952855	5579.932273
3.87	35	5579.964069	5579.944558	5579.949242	5579.931046
3.60	25	5579.957418	5579.938783	5579.939604	5579.928683
4.45	25	5579.956047	5579.935425	5579.932439	5579.922559
3.87	0	5579.992654	5579.986685	5579.978650	5579.970770
Max. ΔMHz		-0.043953	-0.064575	-0.067561	-0.077441
PPM		-7.876827	-11.572558	-12.107617	-13.878391

Voltage (V)	Temperature (°C)	U-NII-3 Test Results			
		5785MHz			
		1min	2min	5min	10min
3.87	0	5785.005383	5785.000962	5784.999698	5784.990232
3.87	5	5784.999018	5784.996199	5784.989807	5784.985321
3.87	10	5784.994047	5784.992942	5784.981899	5784.975787
3.87	15	5784.986293	5784.991548	5784.978389	5784.970774
3.87	20	5784.977878	5784.986675	5784.976007	5784.969925
3.87	25	5784.967895	5784.985637	5784.975330	5784.961127
3.87	30	5784.965516	5784.976941	5784.969018	5784.954755
3.87	35	5784.957466	5784.969369	5784.964406	5784.950235
3.60	25	5784.956139	5784.964837	5784.955722	5784.948321
4.45	25	5784.954959	5784.955514	5784.950859	5784.941208
3.87	0	5785.005383	5785.000962	5784.999698	5784.990232
Max. ΔMHz		-0.045041	-0.044486	-0.049141	-0.058792
PPM		-7.785775	-7.689850	-8.494517	-10.162798

5.4. Power Spectral Density

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

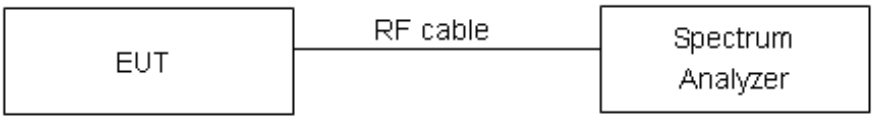
Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable.

Set RBW = 1MHz, VBW =3MHz for the band 5.150-5.250GHz, 5.250-5.350GHz, 5.470-5.725GHz.
Set RBW = 470kHz, VBW =1.5MHz for the band 5.725-5.850GHz

The conducted PSD is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

Test setup



Limits

Rule FCC Part 15.407(a)(1)/ Part 15.407(a)(2) / Part 15.407(a)(3)
For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500kHz band. If transmittingantennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the

amount in dB that the directional gain of the antenna exceeds 6 dBi.

Frequency Bands/MHz	Limits
5150-5250	11dBm/MHz
5.25-5.35 GHz and 5.47-5.725 GHz	11dBm/MHz
5725-5850	30dBm/500kHz

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 0.75dB.

Test Results:

Note: Power Spectral Density =Read Value+Duty cycle correction factor

U-NII-1

Mode	Channel Number	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	36/5180	6.33	6.33	11	PASS
	40/5200	8.35	8.35	11	PASS
	48/5240	8.76	8.76	11	PASS
802.11n HT20	36/5180	6.23	6.23	11	PASS
	40/5200	8.41	8.41	11	PASS
	48/5240	8.39	8.39	11	PASS
802.11n HT40	38/5190	-3.10	-2.96	11	PASS
	46/5230	4.76	4.90	11	PASS
802.11ac VHT20	36/5180	7.25	7.25	11	PASS
	40/5200	8.09	8.09	11	PASS
	48/5240	8.15	8.15	11	PASS
802.11ac VHT40	38/5190	-2.93	-2.75	11	PASS
	46/5230	4.76	4.94	11	PASS
802.11ac VHT80	42/5210	-7.32	-6.96	11	PASS

U-NII-2A

Mode	Channel Number	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	52/5260	9.05	9.05	11	PASS
	60/5300	8.51	8.51	11	PASS
	64/5320	7.10	7.10	11	PASS
802.11n HT20	52/5260	8.49	8.49	11	PASS
	60/5300	8.21	8.21	11	PASS
	64/5320	6.79	6.79	11	PASS
802.11n HT40	54/5270	4.55	4.69	11	PASS
	62/5310	-2.45	-2.31	11	PASS
802.11ac VHT20	52/5260	8.31	8.31	11	PASS
	60/5300	8.52	8.52	11	PASS
	64/5320	7.12	7.12	11	PASS
802.11ac VHT40	54/5270	4.57	4.75	11	PASS
	62/5310	-2.48	-2.30	11	PASS
802.11ac VHT80	58/5290	-7.75	-7.39	11	PASS

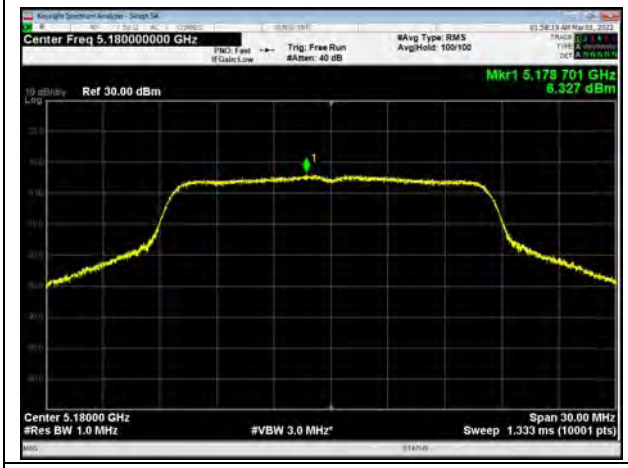
U-NII-2C

Mode	Channel Number	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	100/5500	8.22	8.22	11	PASS
	104/5520	8.89	8.89	11	PASS
	120/5600	9.02	9.02	11	PASS
	136/5680	8.53	8.53	11	PASS
	140/5700	4.67	4.67	11	PASS
	142/5720	8.48	8.48	11	PASS
802.11n HT20	100/5500	8.04	8.04	11	PASS
	104/5520	8.30	8.30	11	PASS
	120/5600	8.24	8.24	11	PASS
	136/5680	8.34	8.34	11	PASS
	140/5700	4.10	4.10	11	PASS
	142/5720	7.95	7.95	11	PASS
802.11n HT40	102/5510	-2.94	-2.80	11	PASS
	110/5550	4.23	4.37	11	PASS
	118/5590	4.04	4.18	11	PASS
	126/5630	3.99	4.13	11	PASS
	134/5670	1.89	2.03	11	PASS
	142/5710	3.94	4.08	11	PASS
802.11ac VHT20	100/5500	8.34	8.34	11	PASS
	104/5520	8.13	8.13	11	PASS
	120/5600	7.69	7.69	11	PASS
	136/5680	7.98	7.98	11	PASS
	140/5700	4.71	4.71	11	PASS
	142/5720	7.83	7.83	11	PASS
802.11ac VHT40	102/5510	-4.75	-4.57	11	PASS
	110/5550	4.26	4.44	11	PASS
	118/5590	4.76	4.94	11	PASS
	126/5630	4.06	4.24	11	PASS
	134/5670	2.78	2.96	11	PASS
	142/5710	4.17	4.35	11	PASS
802.11ac VHT80	106/5530	-7.68	-7.32	11	PASS
	122/5610	-1.10	-0.74	11	PASS
	138/5690	0.02	0.38	11	PASS

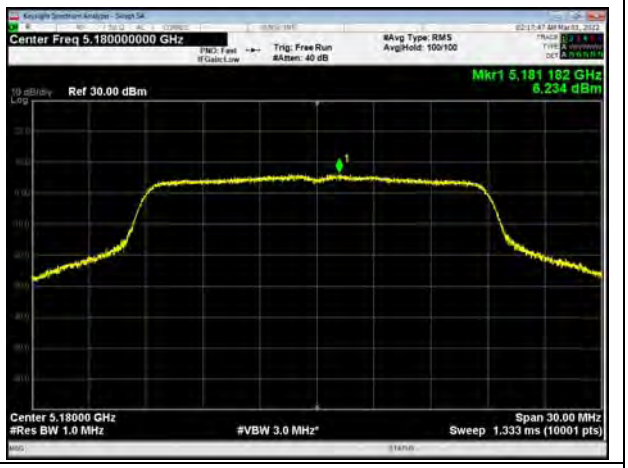
U-NII-3

Mode	Channel Number	Read Value (dBm/470kHz)	Power Spectral Density (dBm/500kHz)	Limit (dBm/500kHz)	Conclusion
802.11a	149/5745	5.40	5.67	30	PASS
	157/5785	5.51	5.78	30	PASS
	165/5825	5.91	6.18	30	PASS
802.11n HT20	149/5745	5.51	5.78	30	PASS
	157/5785	5.23	5.50	30	PASS
	165/5825	5.02	5.29	30	PASS
802.11n HT40	151/5755	1.02	1.43	30	PASS
	159/5795	0.74	1.15	30	PASS
802.11ac VHT20	149/5745	4.79	5.06	30	PASS
	157/5785	5.10	5.37	30	PASS
	165/5825	4.76	5.03	30	PASS
802.11ac VHT40	151/5755	0.92	1.37	30	PASS
	159/5795	0.82	1.27	30	PASS
802.11ac VHT80	155/5775	-3.33	-2.70	30	PASS
Note: PSD=Read Value+Duty cycle correction factor+10*LOG10(500/470)					

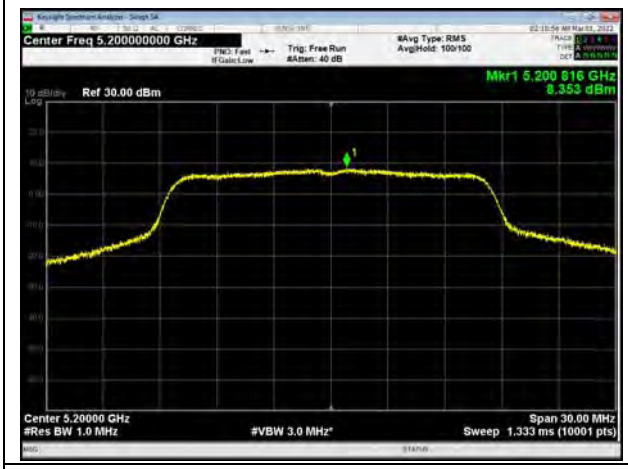
U-NII-1, 802.11a, Channel No.: 36



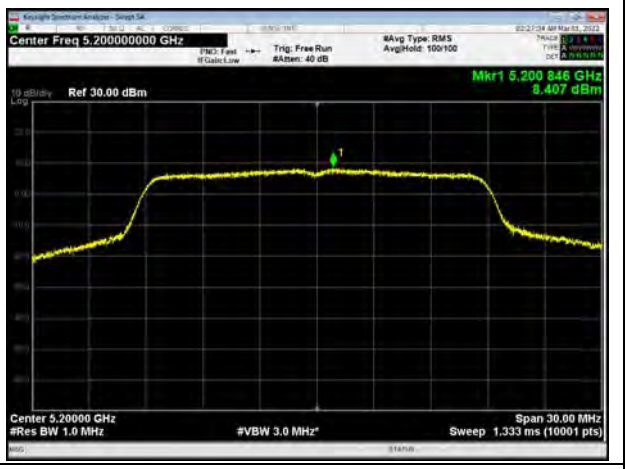
U-NII-1, 802.11n HT20, Channel No.: 36



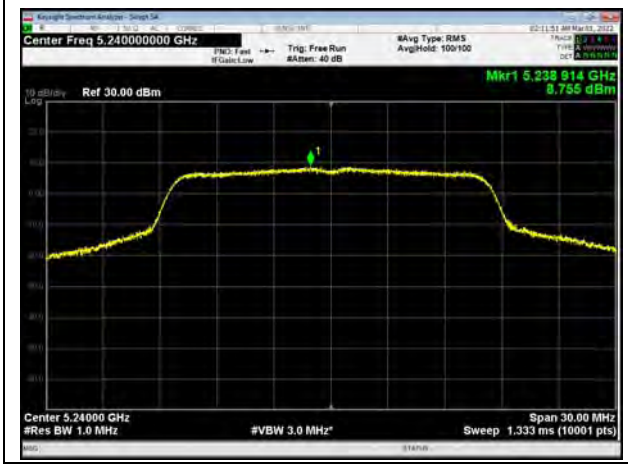
U-NII-1, 802.11a, Channel No.: 40



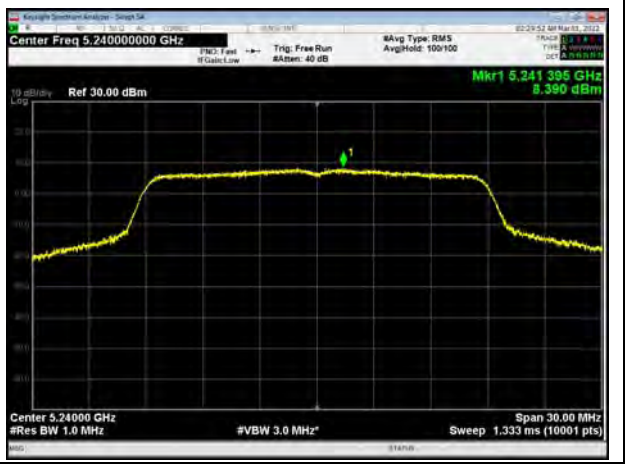
U-NII-1, 802.11n HT20, Channel No.: 40



U-NII-1, 802.11a, Channel No.: 48

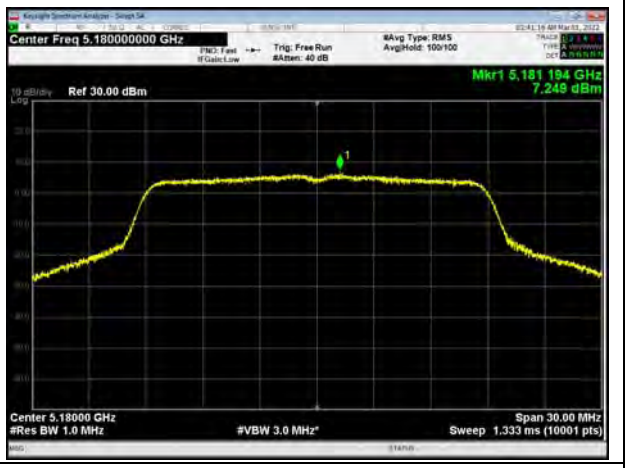


U-NII-1, 802.11n HT20, Channel No.: 48



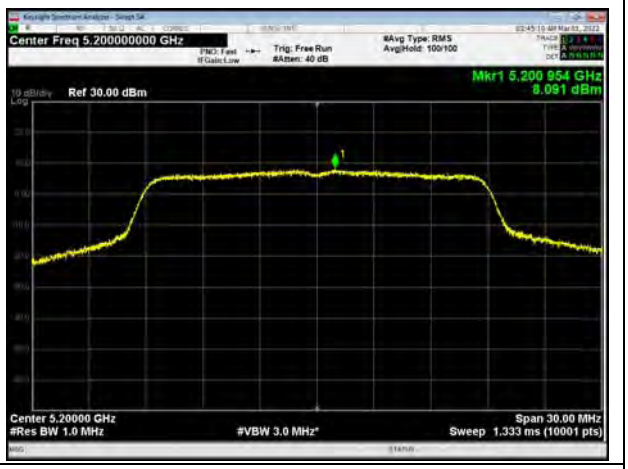
U-NII-1, 802.11n HT40, Channel No.: 38

U-NII-1, 802.11ac VHT20, Channel No.: 36



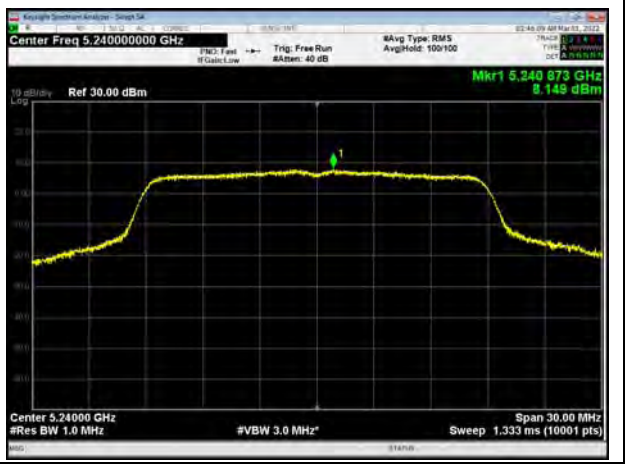
U-NII-1, 802.11n HT40, Channel No.: 46

U-NII-1, 802.11ac VHT20, Channel No.: 40



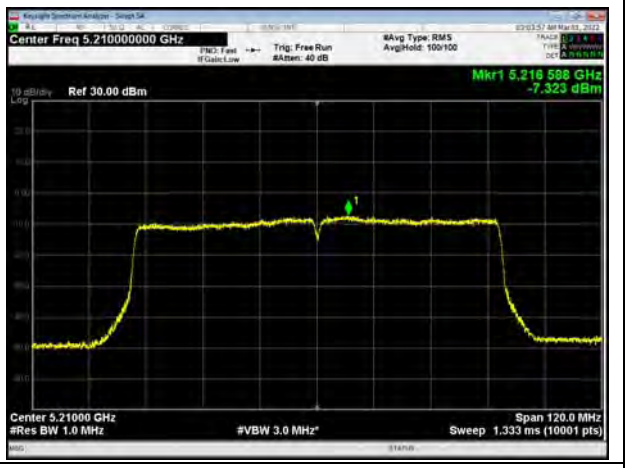
U-NII-1, 802.11ac VHT40, Channel No.: 38

U-NII-1, 802.11ac VHT20, Channel No.: 48



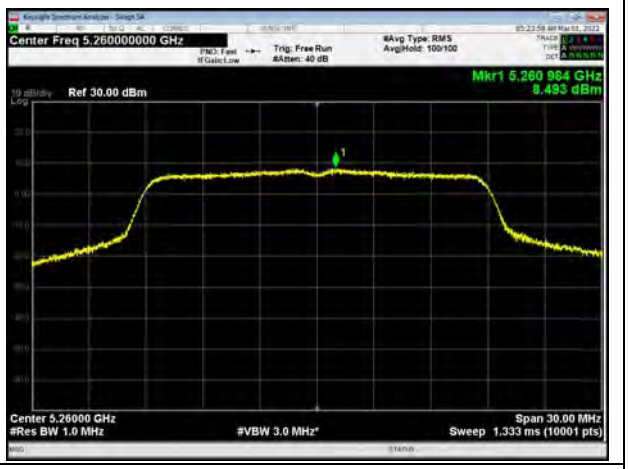
U-NII-1, 802.11ac VHT40, Channel No.: 46

U-NII-1, 802.11ac VHT80, Channel No.: 42



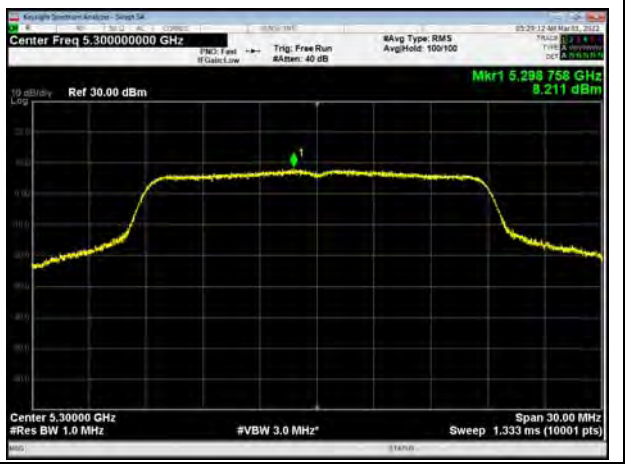
U-NII-2A, 802.11a, Channel No.: 52

U-NII-2A, 802.11n HT20, Channel No.: 52

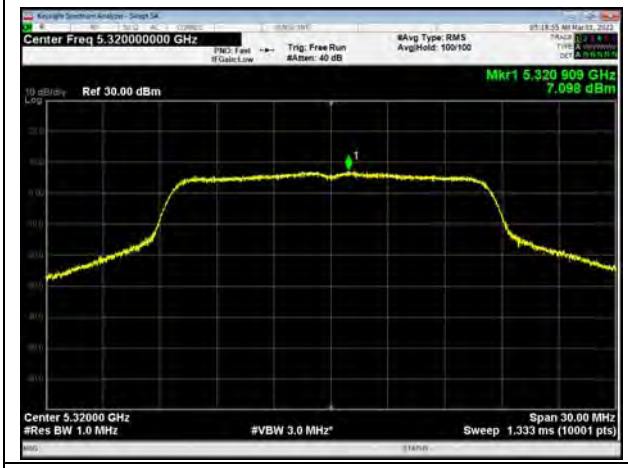


U-NII-2A, 802.11a, Channel No.: 60

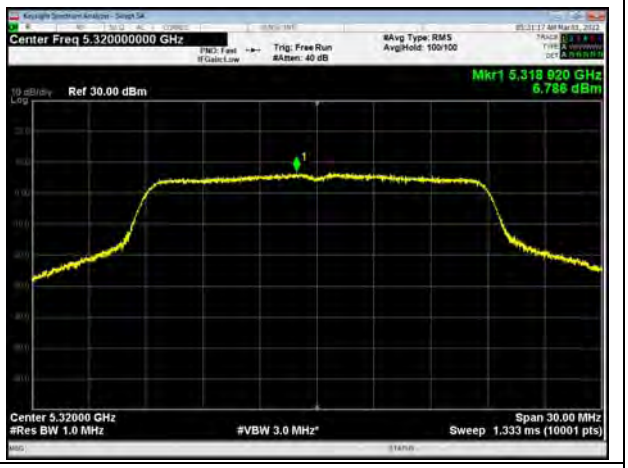
U-NII-2A, 802.11n HT20, Channel No.: 60



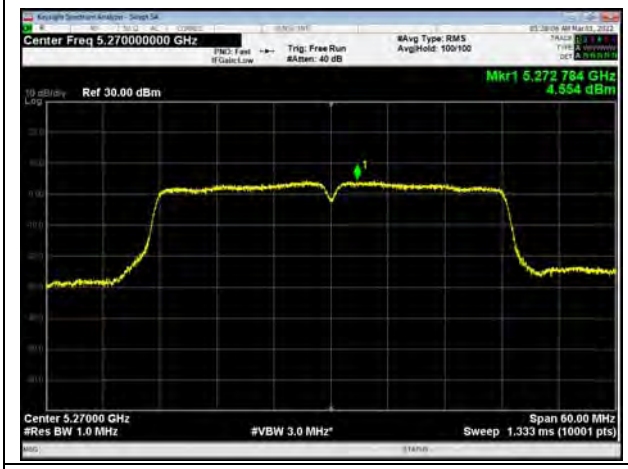
U-NII-2A, 802.11a, Channel No.: 64



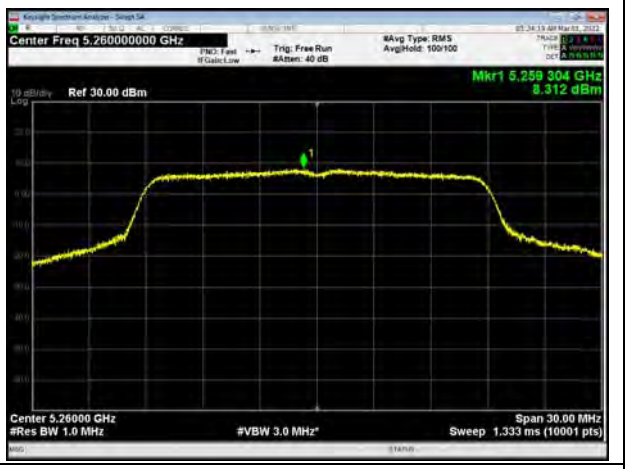
U-NII-2A, 802.11n HT20, Channel No.: 64



U-NII-2A, 802.11n HT40, Channel No.: 54

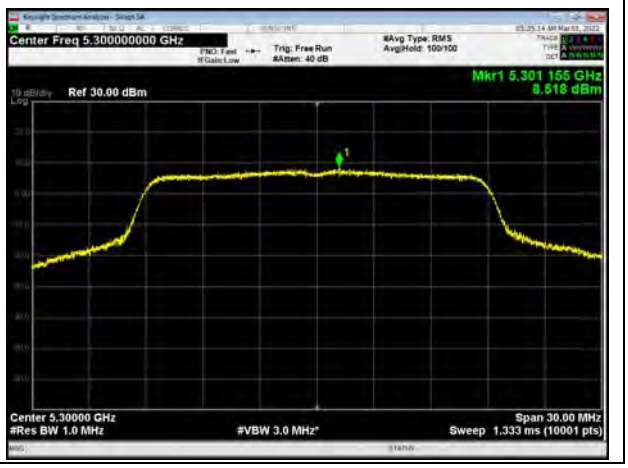


U-NII-2A, 802.11ac VHT20, Channel No.:52



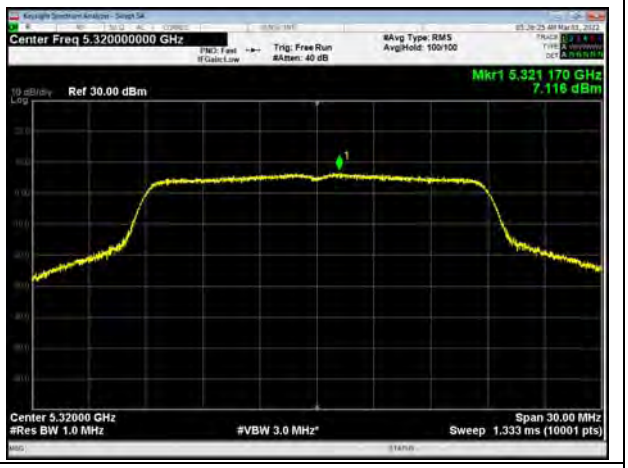
U-NII-2A, 802.11n HT40, Channel No.: 62

U-NII-2A, 802.11ac VHT20, Channel No.: 60



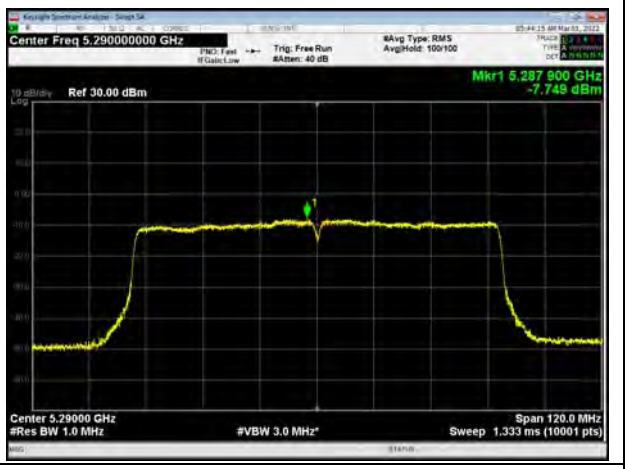
U-NII-2A, 802.11ac VHT40, Channel No.: 54

U-NII-2A, 802.11ac VHT20, Channel No.: 64

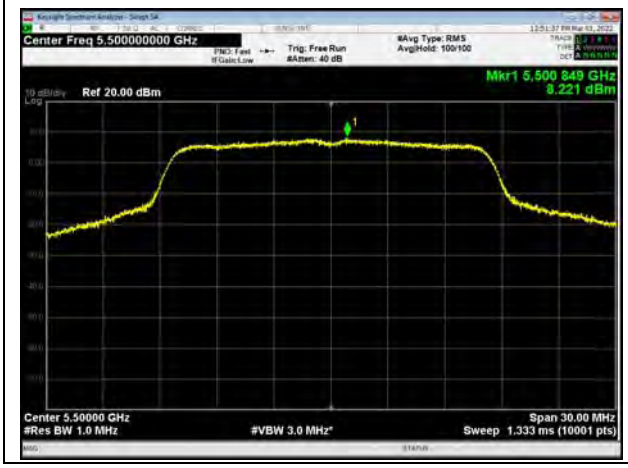


U-NII-2A, 802.11ac VHT40, Channel No.: 62

U-NII-2A, 802.11ac VHT80, Channel No.: 58



U-NII-2C, 802.11a, Channel No.: 100

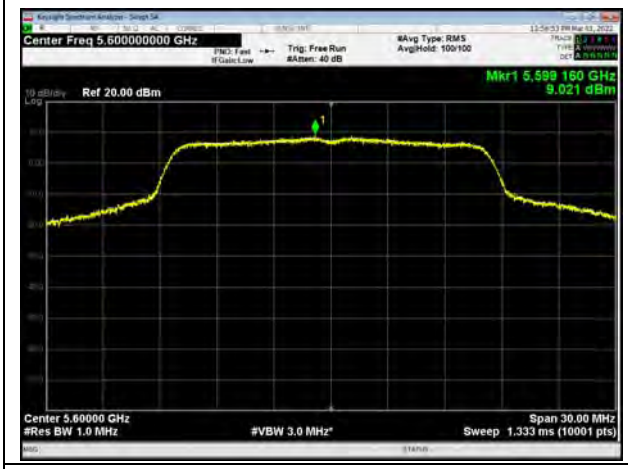


U-NII-2C, 802.11n HT20, Channel No.: 100

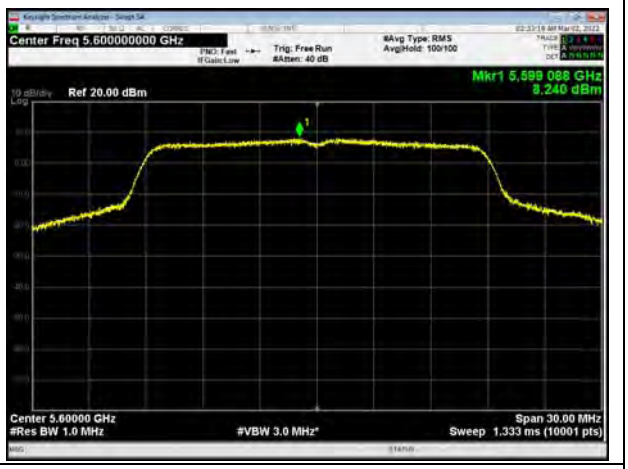
U-NII-2C, 802.11a, Channel No.: 104

U-NII-2C, 802.11n HT20, Channel No.: 104

U-NII-2C, 802.11a, Channel No.: 120



U-NII-2C, 802.11n HT20, Channel No.: 120

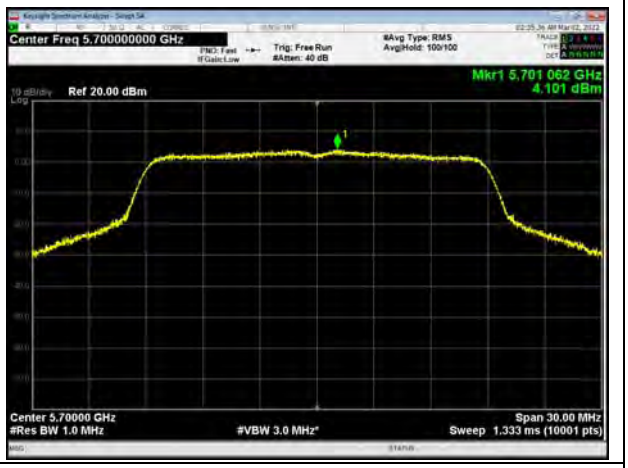


U-NII-2C, 802.11a, Channel No.: 136

U-NII-2C, 802.11n HT20, Channel No.: 136

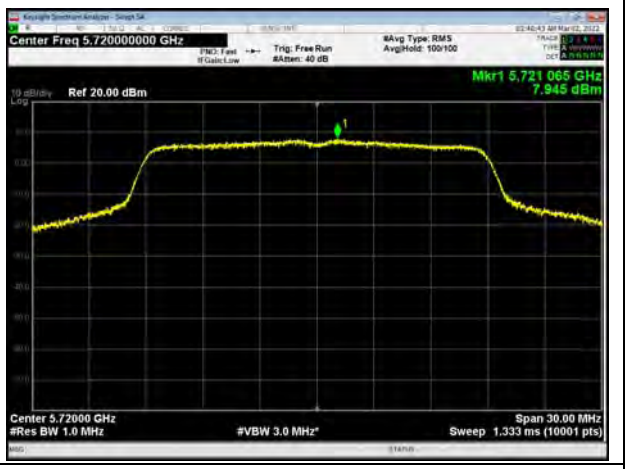
U-NII-2C, 802.11a, Channel No.: 140

U-NII-2C, 802.11n HT20, Channel No.: 140

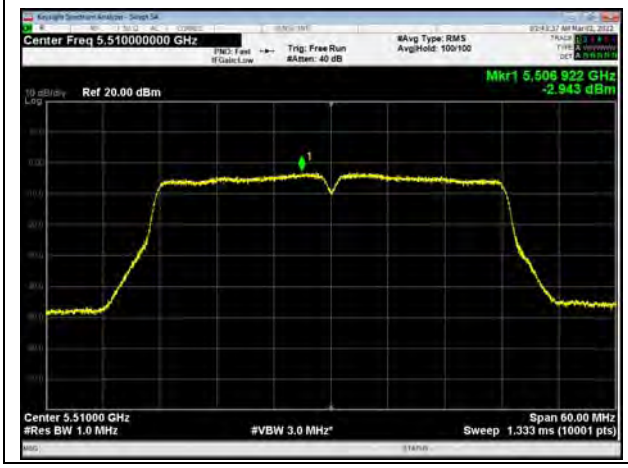


U-NII-2C, 802.11a, Channel No.: 142

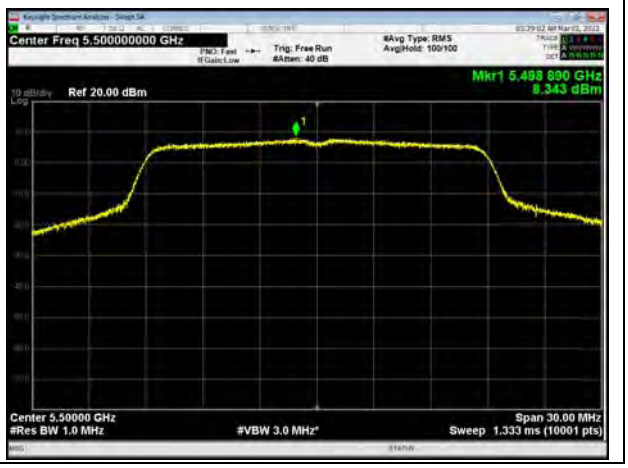
U-NII-2C, 802.11n HT20, Channel No.: 142



U-NII-2C, 802.11n HT40, Channel No.: 102



U-NII-2C, 802.11ac VHT20, Channel No.: 100

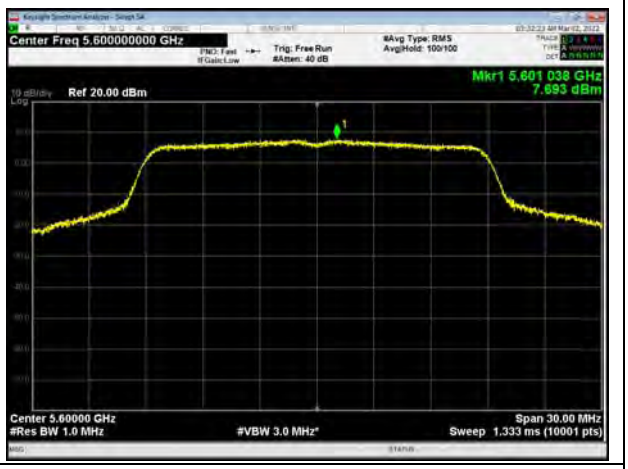


U-NII-2C, 802.11n HT40, Channel No.: 110

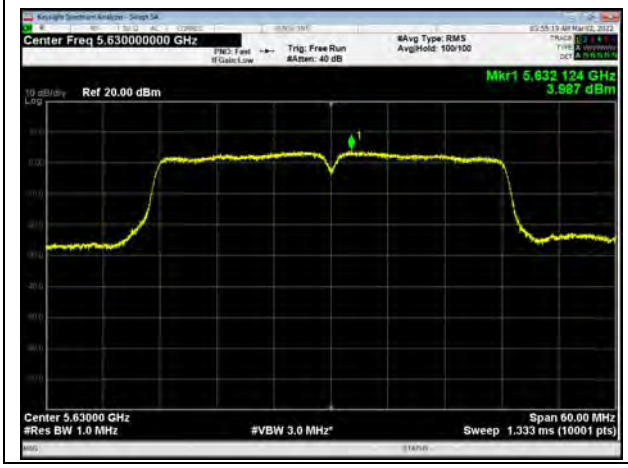
U-NII-2C, 802.11ac VHT20, Channel No.: 104

U-NII-2C, 802.11n HT40, Channel No.: 118

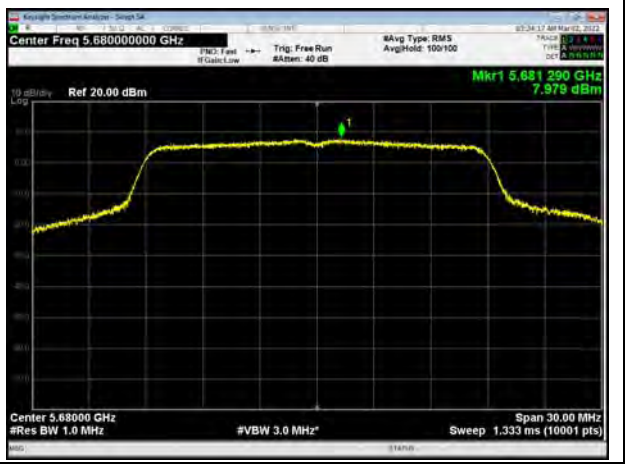
U-NII-2C, 802.11ac VHT20, Channel No.: 120



U-NII-2C, 802.11n HT40, Channel No.: 126

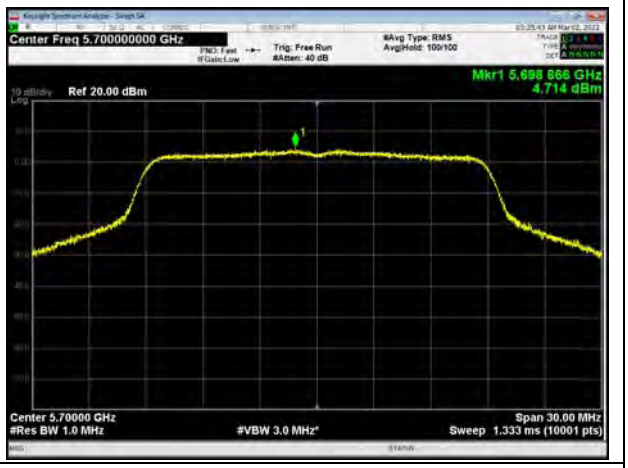


U-NII-2C, 802.11ac VHT20, Channel No.: 136



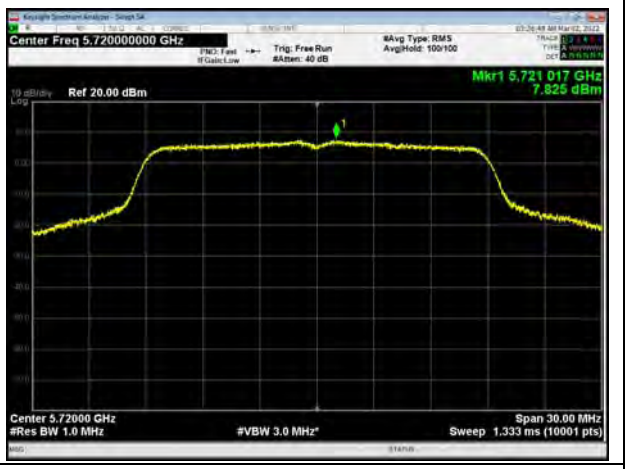
U-NII-2C, 802.11n HT40, Channel No.: 134

U-NII-2C, 802.11ac VHT20, Channel No.: 140



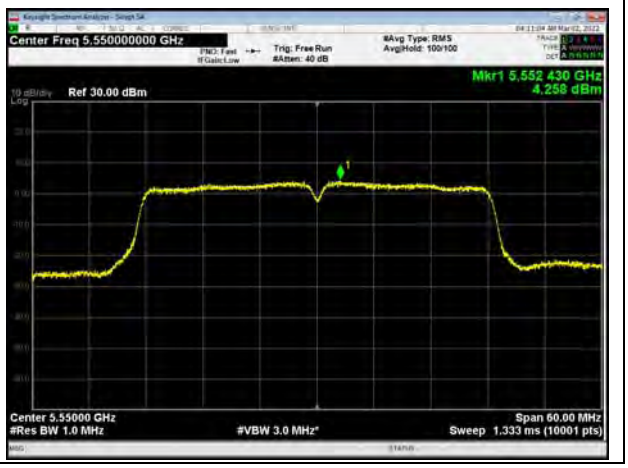
U-NII-2C, 802.11n HT40, Channel No.: 142

U-NII-2C, 802.11ac VHT20, Channel No.: 142



U-NII-2C, 802.11ac VHT40, Channel No.: 102

U-NII-2C, 802.11ac VHT40, Channel No.: 110



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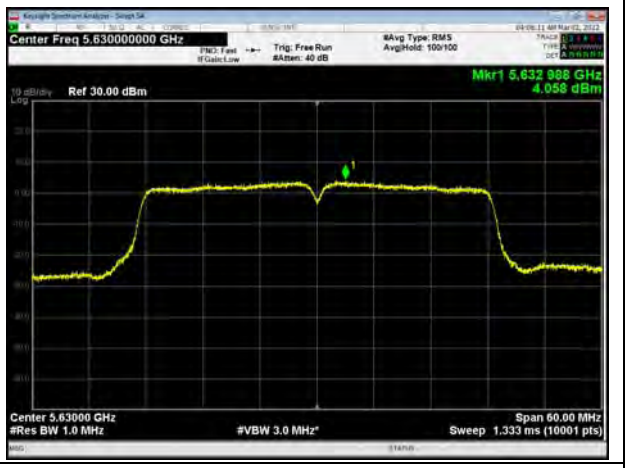
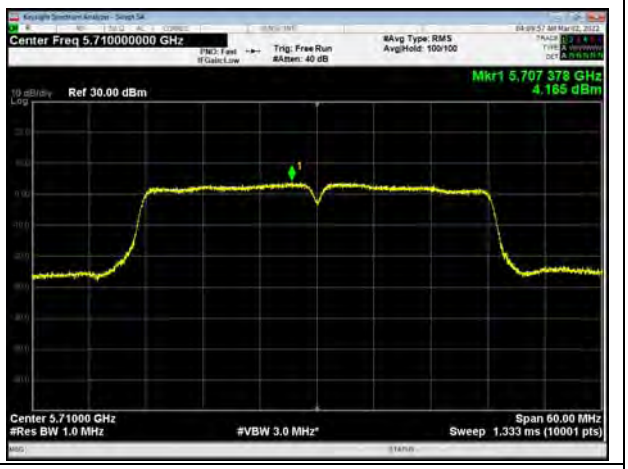
U-NII-2C, 802.11ac VHT40, Channel No.: 126

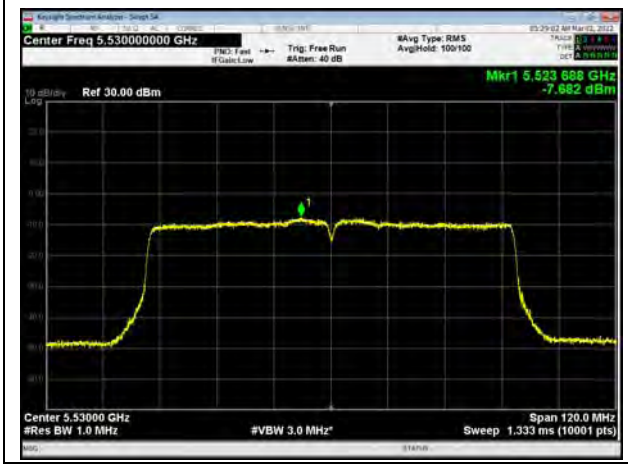


U-NII-2C, 802.11ac VHT40, Channel No.: 134

U-NII-2C, 802.11ac VHT40, Channel No.: 142



U-NII-2C, 802.11ac VHT80, Channel No.: 106



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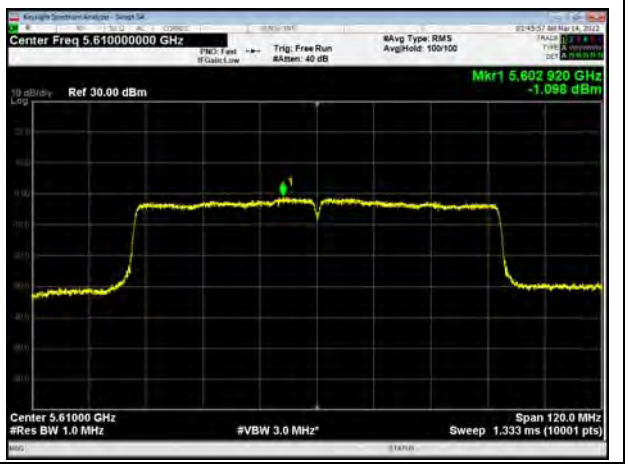
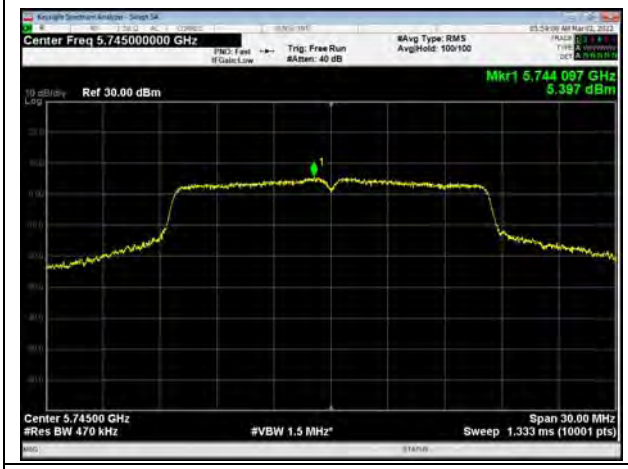


U-NII-2C, 802.11ac VHT80, Channel No.: 138

U-NII-3, 802.11a, Channel No.: 149



U-NII-3, 802.11n HT20, Channel No.: 149

U-NII-3, 802.11a, Channel No.: 157

U-NII-3, 802.11n HT20, Channel No.: 157

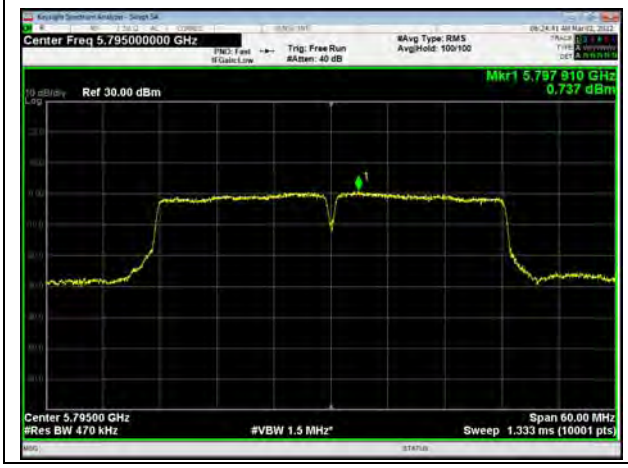
U-NII-3, 802.11a, Channel No.: 165

U-NII-3, 802.11n HT20, Channel No.: 165

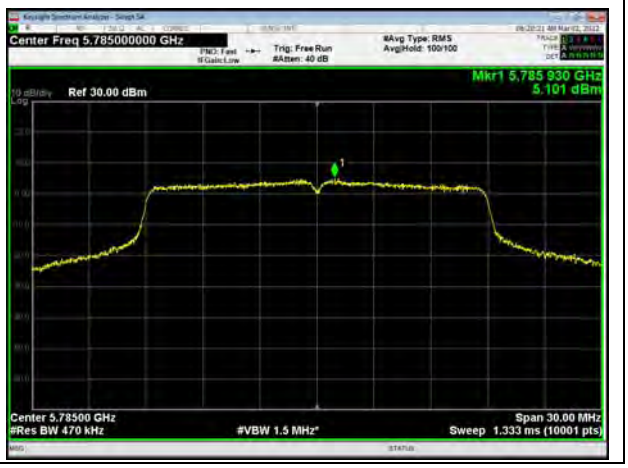
U-NII-3, 802.11n HT40, Channel No.: 151

U-NII-3, 802.11ac VHT20, Channel No.: 149

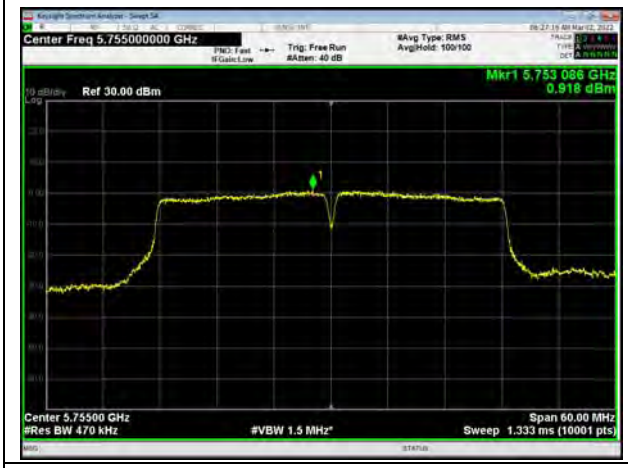
U-NII-3, 802.11n HT40, Channel No.: 159



U-NII-3, 802.11ac VHT20, Channel No.: 157



U-NII-3, 802.11ac VHT40, Channel No.: 151



U-NII-3, 802.11ac VHT20, Channel No.: 165

U-NII-3, 802.11ac VHT40, Channel No.: 159

U-NII-3, 802.11ac VHT80, Channel No.: 155

5.5. Unwanted Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The test set-up was made in accordance to the general provisions of ANSI C63.10. The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration.
Sweep the whole frequency band range from 9kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

During the test, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.
Set the spectrum analyzer in the following:
9kHz~150 kHz
RBW=200Hz, VBW=1kHz/ Sweep=AUTO
150 kHz~30MHz
RBW=9KHz, VBW=30KHz,/ Sweep=AUTO
Below 1GHz
RBW=100kHz / VBW=300kHz / Sweep=AUTO
a) Peak emission levels are measured by setting the instrument as follows:
Above 1GHz
PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO
b) Average emission levels are measured by setting the instrument as follows:
Above 1GHz
AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO
c) Detector: The measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.)
e) Sweep time = auto.
f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of 1 / D, where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific

emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)

g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:

1) If power averaging (rms) mode was used in the preceding step e), then the correction factor is [10 log (1 / D)], where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.

2) If linear voltage averaging mode was used in the preceding step e), then the correction factor is [20 log (1 / D)], where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB shall be added to the measured emission levels.

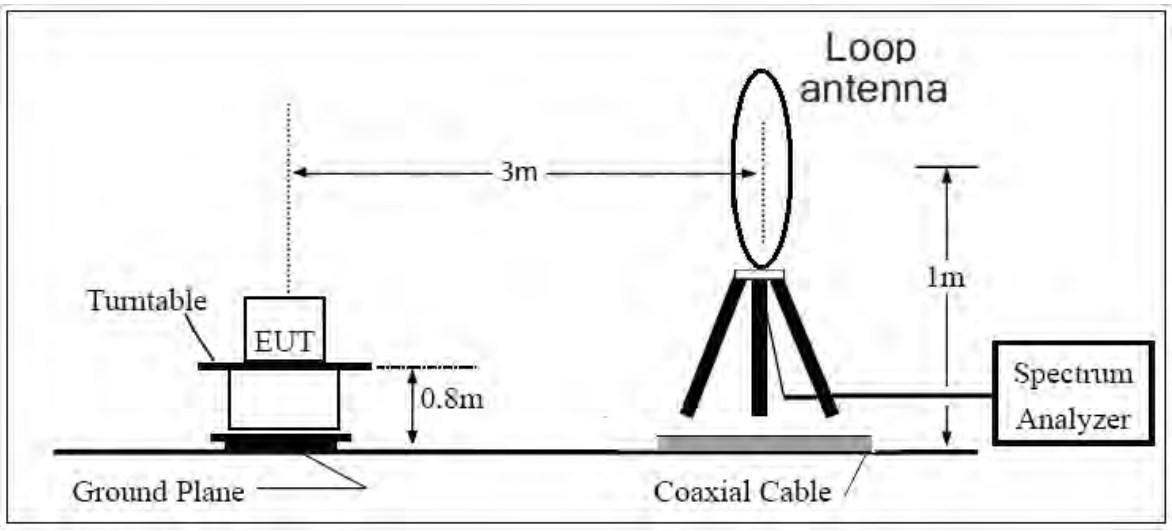
3) If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

Reduce the video bandwidth until no significant variations in the displayed signal are observed in subsequent traces, provided the video bandwidth is no less than 1 Hz. For regulatory requirements that specify averaging only over the transmit duration (e.g., digital transmission system [DTS] and Unlicensed National Information Infrastructure [U-NII]), the video bandwidth shall be greater than [1 / (minimum transmitter on time)] and no less than 1 Hz.

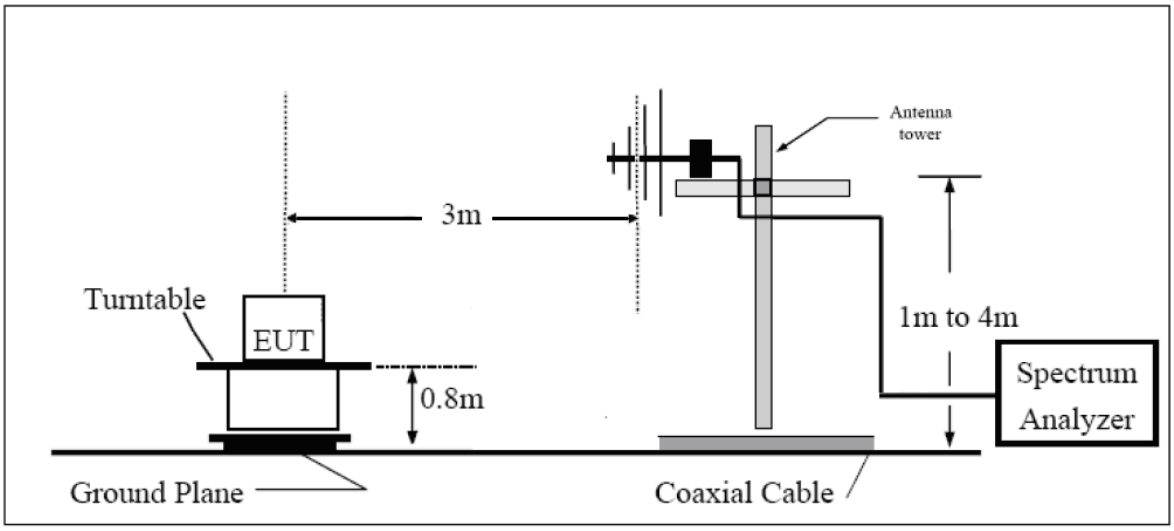
The field strength of spurious emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the loop antenna is vertical, others antenna are vertical and horizontal.

The test is in transmitting mode.

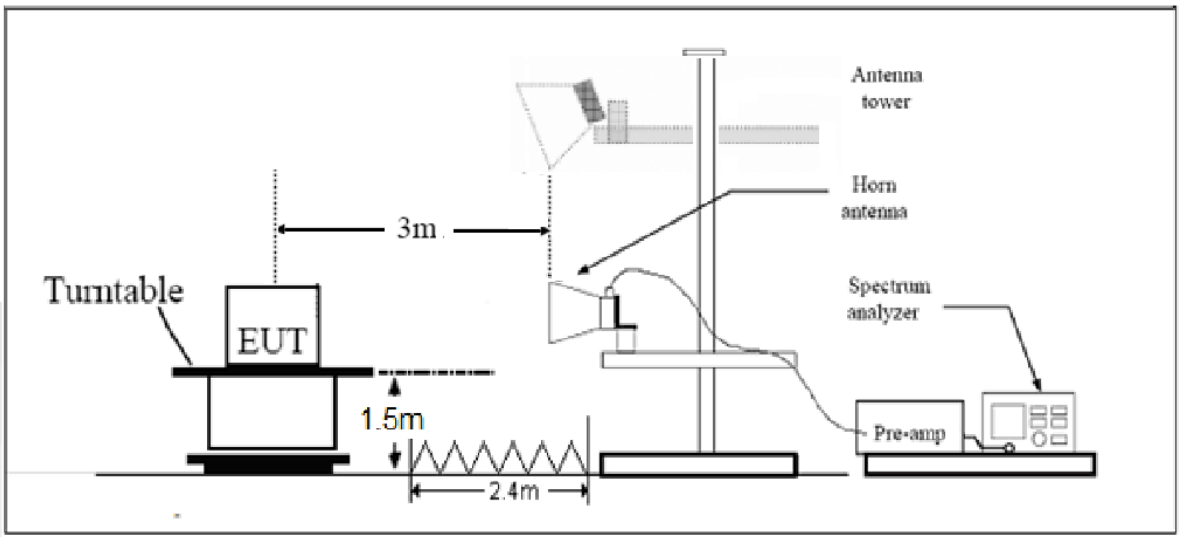
9KHz~~~30MHz



30MHz~~~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

Limits

(1) For transmitters operating in the 5725-5850 MHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(2) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz(68.2dBμV/m).

(3) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz(68.2dBμV/m).

(4) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz(68.2dBμV/m).

Note: the following formula is used to convert the EIRP to field strength

§1、E[dBμV/m] = EIRP[dBm] - 20 log(d[meters]) + 104.77, where E = field strength and

d = distance at which field strength limit is specified in the rules;

§2、E[dBμV/m] = EIRP[dBm] + 95.2, for d = 3 meters

(5) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table.

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
0.009–0.490	2400/F(kHz)	/
0.490–1.705	24000/F(kHz)	/
1.705–30.0	30	/
30-88	100	40
88-216	150	43.5
216-960	200	46
Above960	500	54

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])
13.36 - 13.41			

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96.

Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.17 dB
200MHz-1GHz	4.84 dB
1-18GHz	4.35 dB
18-26.5GHz	5.90 dB
26.5GHz~40GHz	5.92 dB

Test Results:

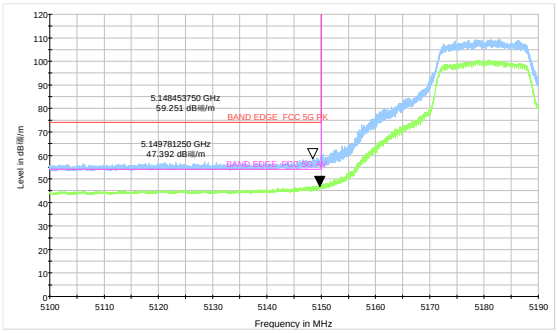
The modulation and bandwidth are similar for 802.11n mode for 20MHz/40MHz and 802.11ac mode for V20MHz/V40MHz, therefore investigated worst case to representative mode in test report.

A font (dB磘/m)in the test plot =(dB μ V/m)

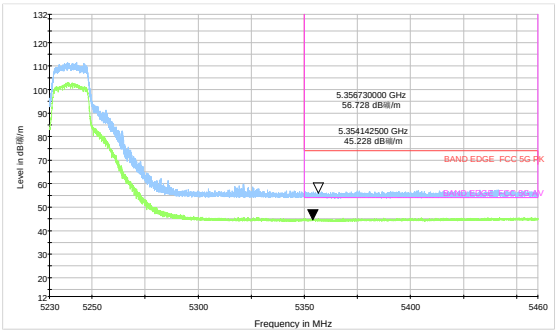
The signal beyond the limit is carrier.

U-NII-1

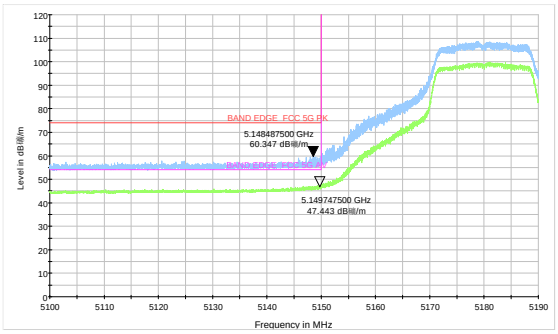
802.11a-Channel 36: Peak + Average



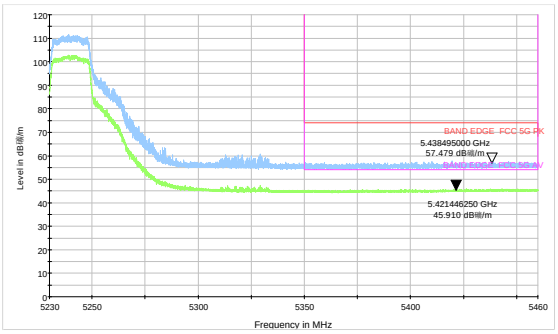
802.11a-Channel 48: Peak + Average



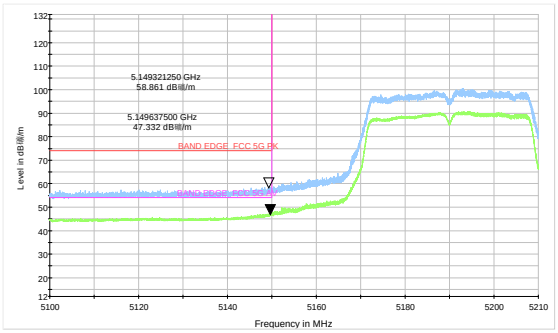
802.11n HT20-Channel 36: Peak + Average



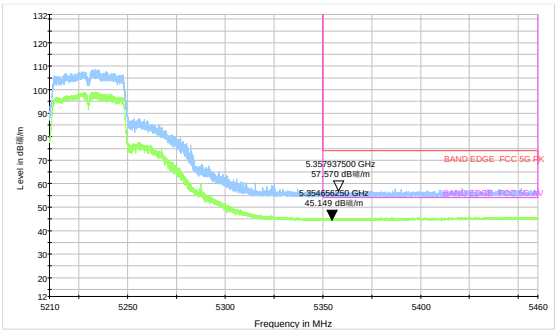
802.11n HT20-Channel 48: Peak



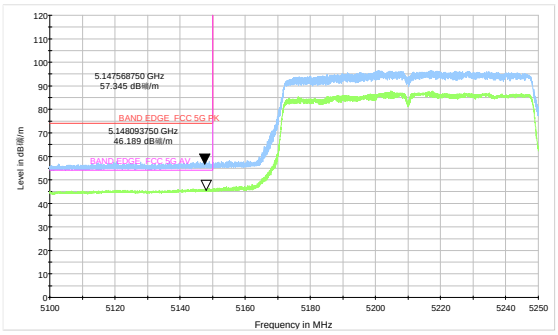
802.11n HT40-Channel 38: Peak + Average



802.11n HT40-Channel 46: Peak + Average

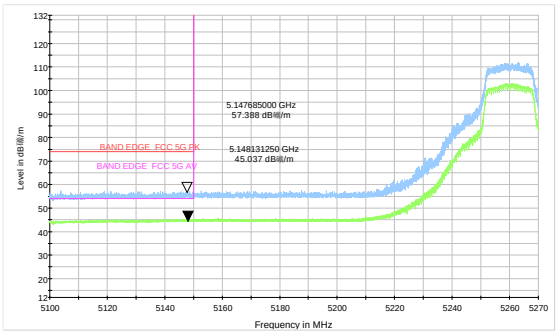


802.11ac VHT80 –Channel 42: Peak + Average

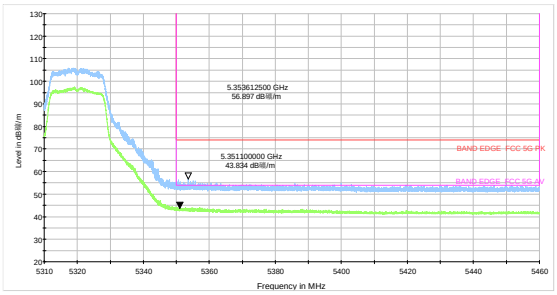


U-NII-2A

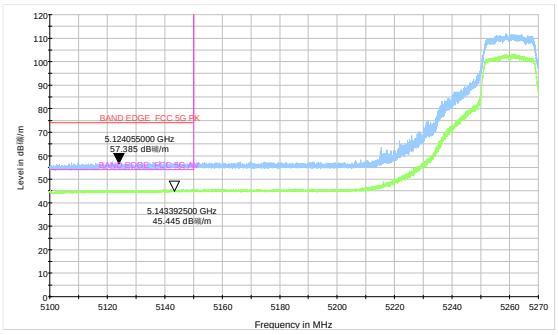
802.11a-Channel 52: Peak + Average



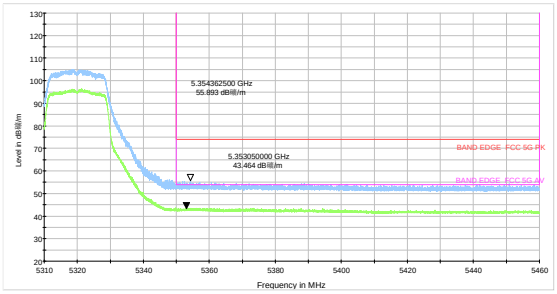
802.11a-Channel 64: Peak + Average



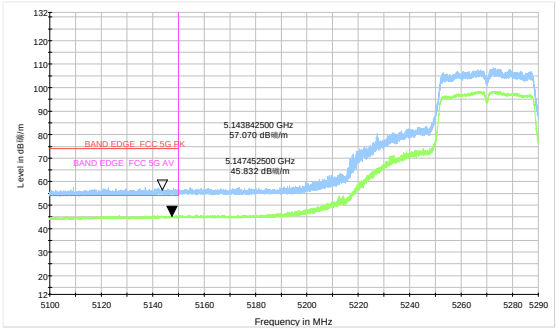
802.11n HT20-Channel 52: Peak + Average



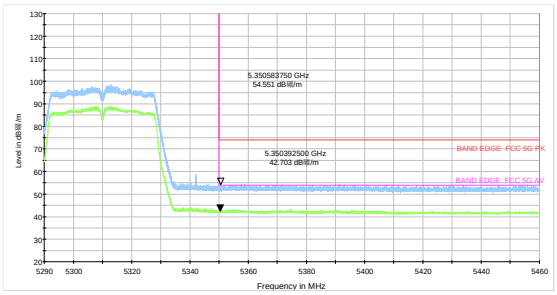
802.11n HT20-Channel 64: Peak + Average



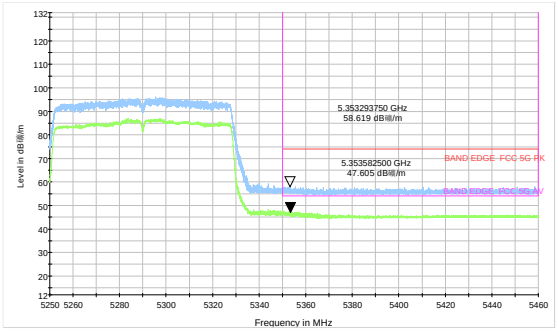
802.11n HT40-Channel 54: Peak + Average



802.11n HT40-Channel 62: Peak + Average

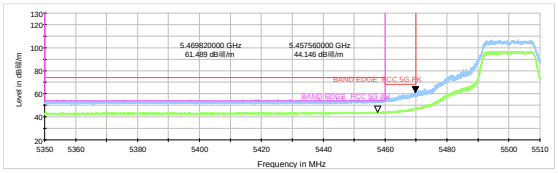


802.11ac VHT80 –Channel 58: Peak + Average

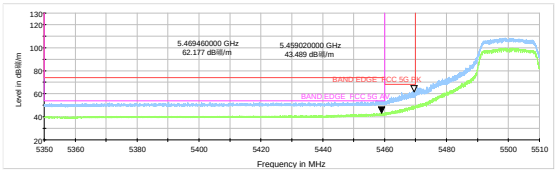


U-NII-2C

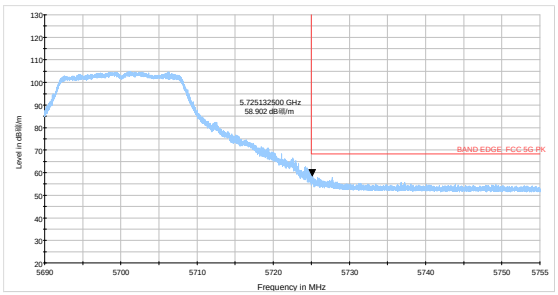
802.11a-Channel 100: Peak + Average



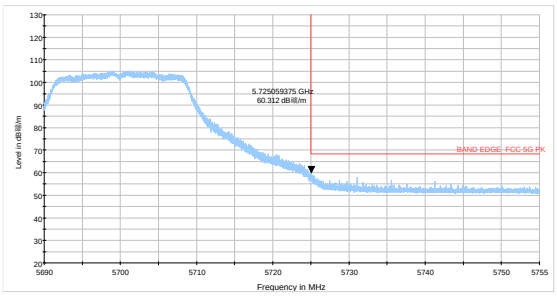
802.11n HT20-Channel 100: Peak + Average



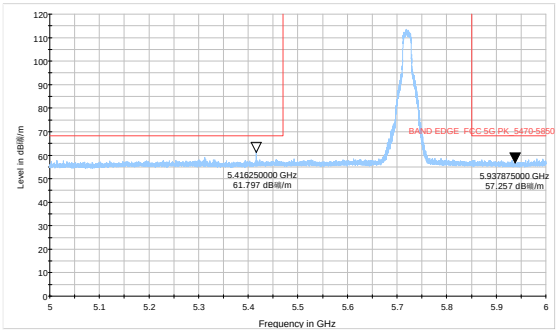
802.11a-Channel 140: Peak + Average



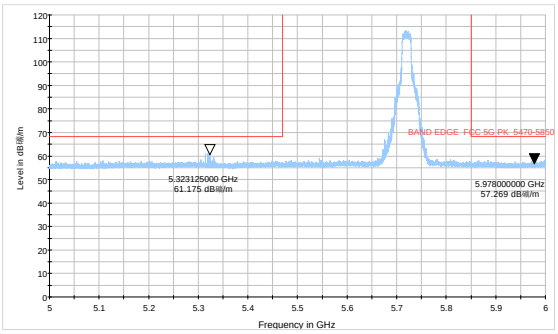
802.11n HT20-Channel 140: Peak + Average



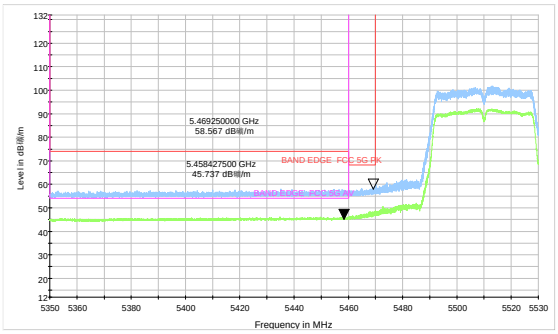
802.11a-Channel 144: Peak



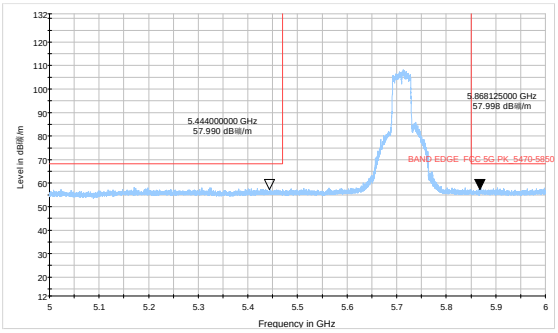
802.11n HT20-Channel 144: Peak



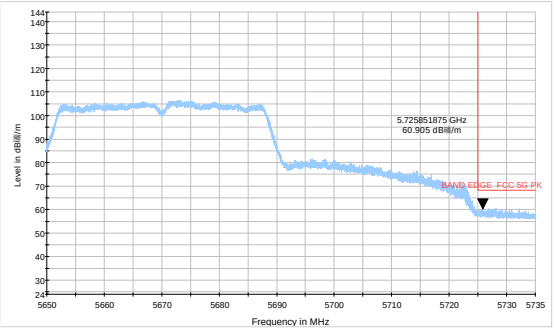
802.11n HT40-Channel 102: Peak + Average



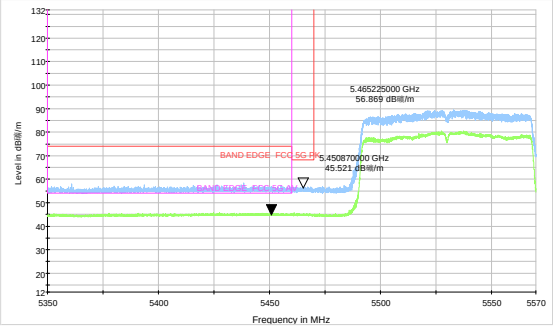
802.11n HT40-Channel 142: Peak



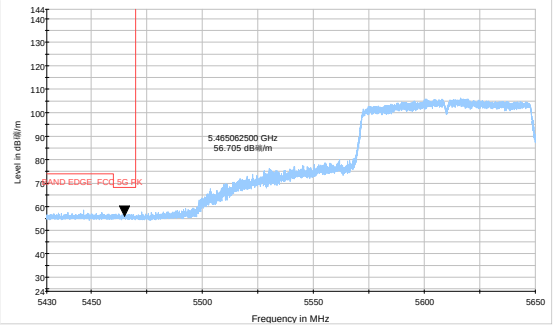
802.11n HT40-Channel 134: Peak + Average



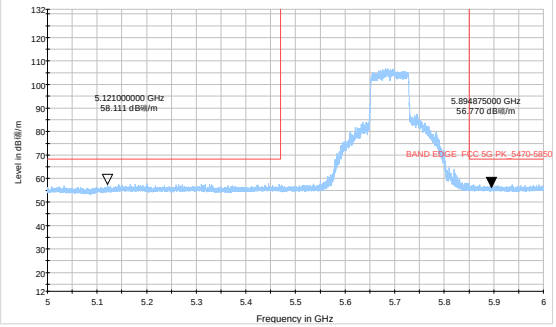
802.11ac VHT80 –Channel 106: Peak + Average



802.11ac VHT80 –Channel 122: Peak

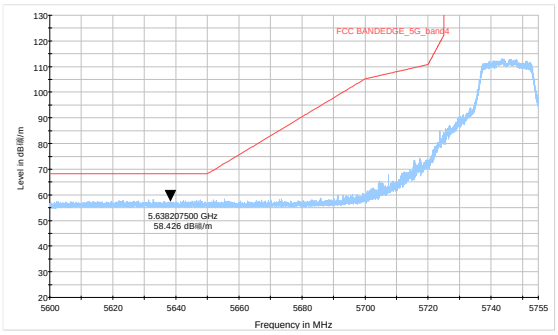


802.11ac VHT80 –Channel 138: Peak

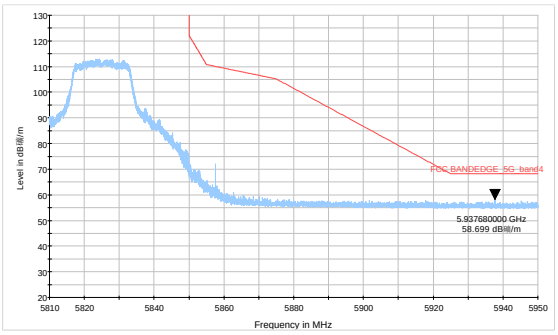


U-NII-3

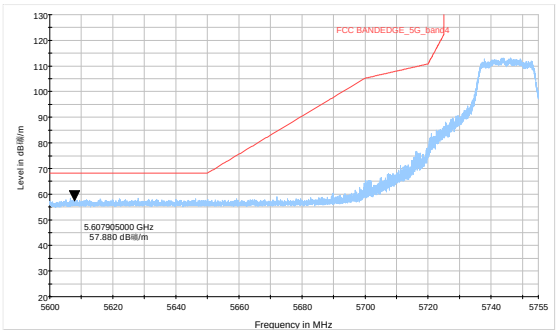
802.11a-Channel 149: Peak



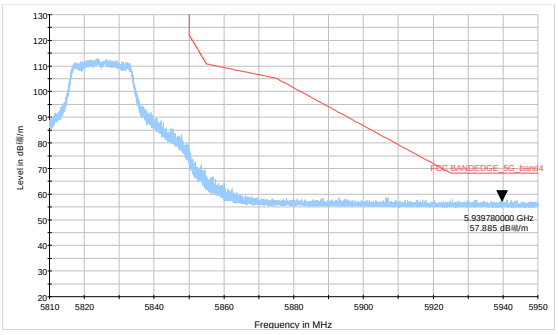
802.11a-Channel 165: Peak



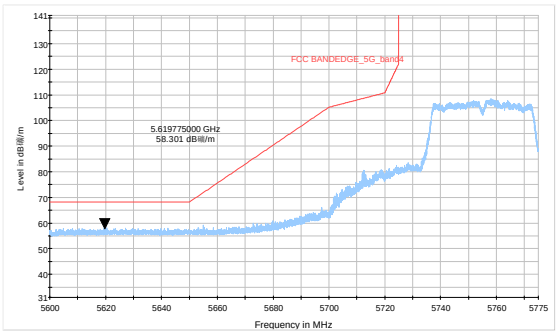
802.11n HT20-Channel 149: Peak



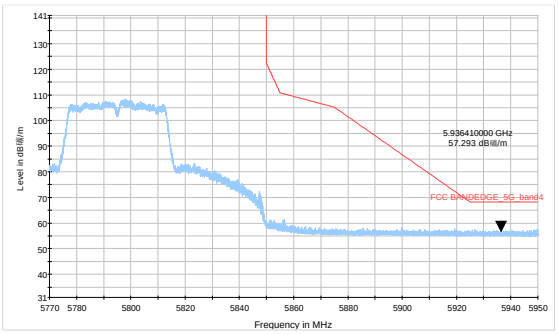
802.11n HT20-Channel 165: Peak



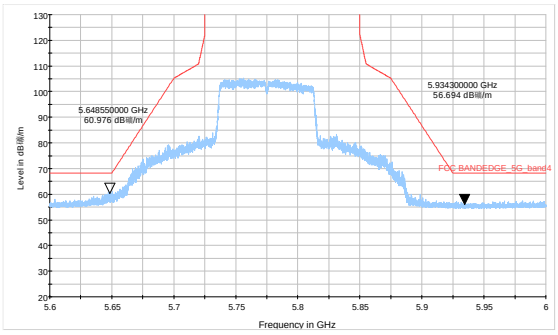
802.11n HT40-Channel 151: Peak



802.11n HT40-Channel 159: Peak



802.11ac VHT80- Channel 155: Peak



Result of RE

Test result

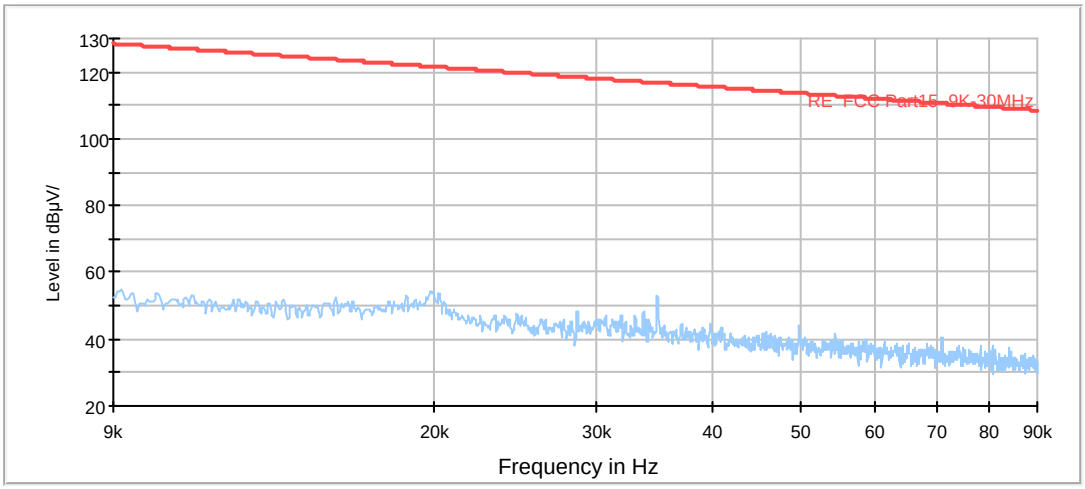
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11a, Channel 52 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

A font (Level in dB礦/m)in the test plot =(level in dB μ V/m)

A font (Level in dB V/)in the test plot =(level in dB μ V/m)

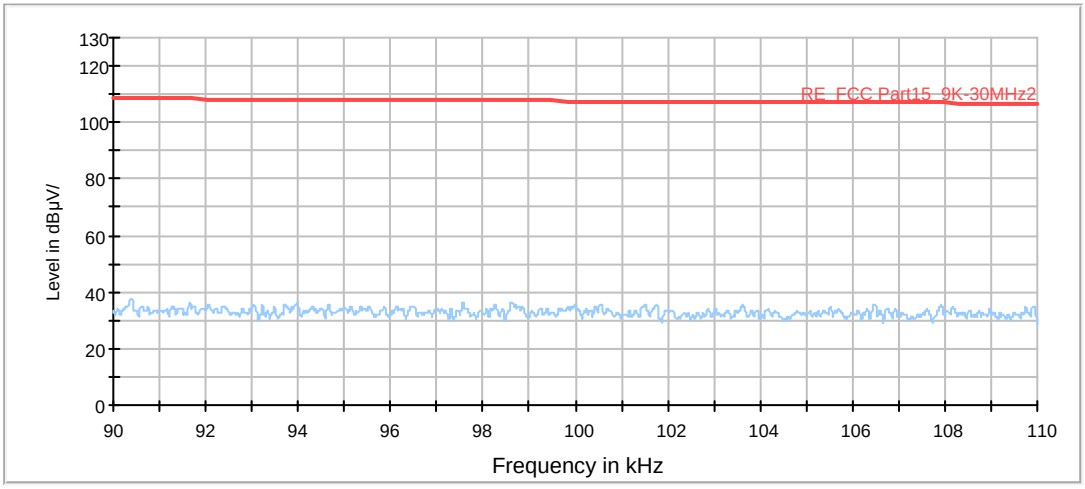
Continuous TX mode:

FCC RE 9K-90KHz AV



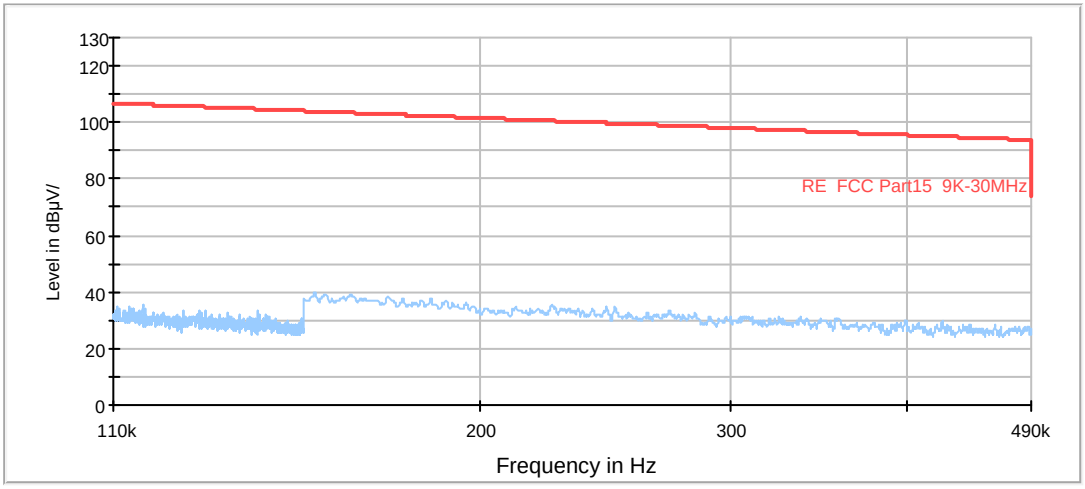
Radiates Emission from 9KHz to 90KHz

FCC RE 90K-110KHz QP



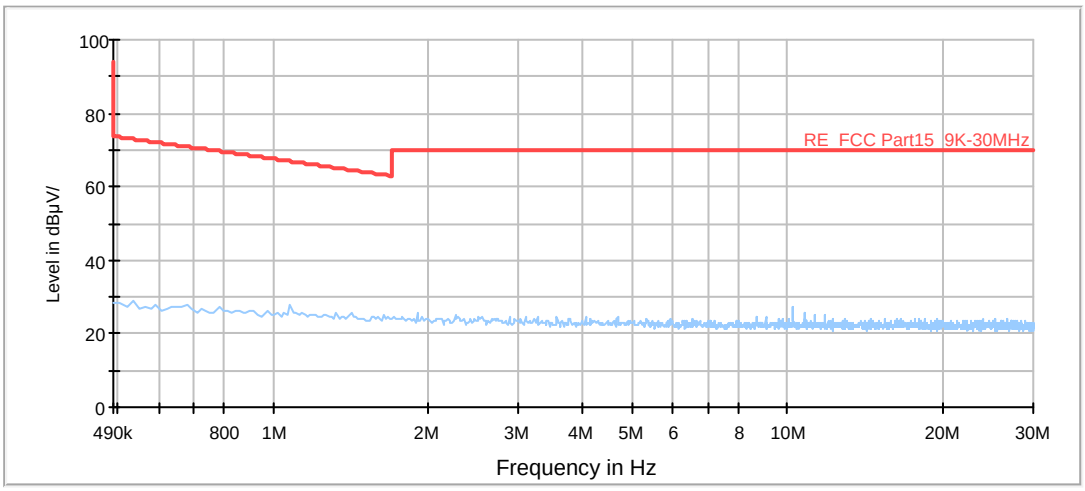
Radiates Emission from 90KHz to 110KHz

FCC RE 110K-490KHz AV

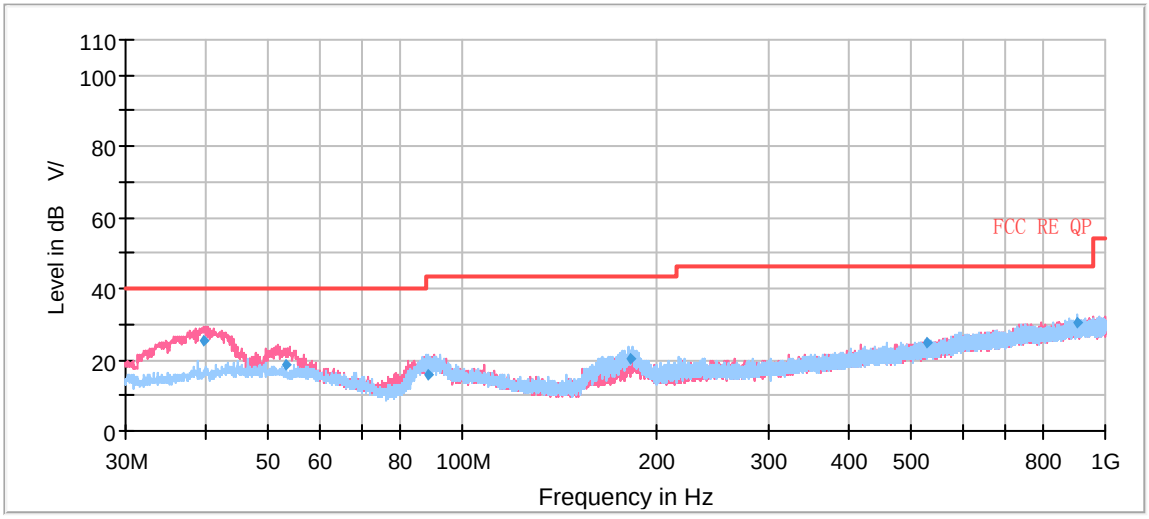


Radiates Emission from 110KHz to 490KHz

FCC RE 490K-30MHz QP



Radiates Emission from 490KHz to 30MHz



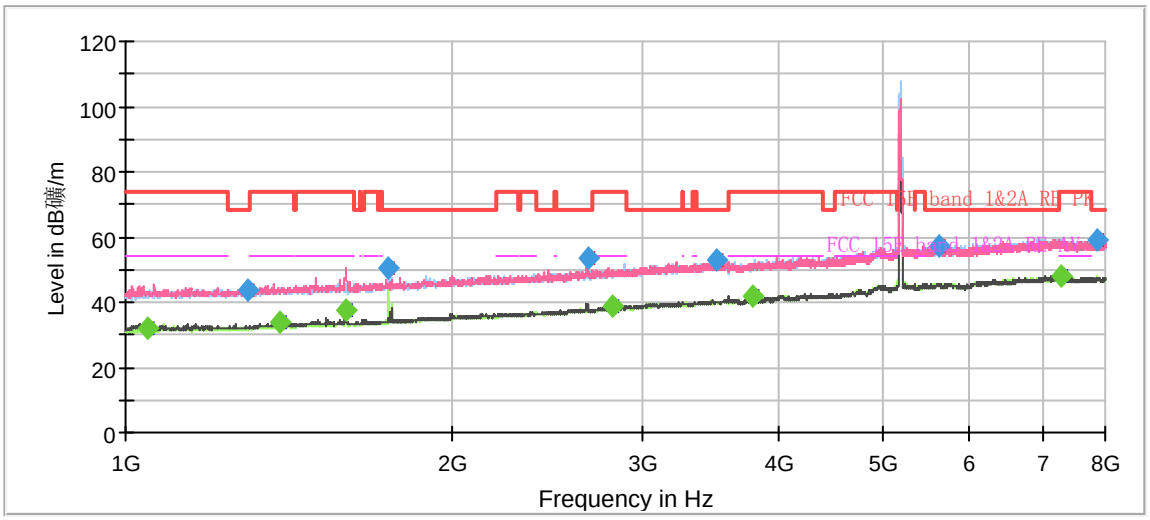
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
39.58	25.22	100.0	V	280.00	19	14.78	40.00
53.41	18.73	100.0	V	9.00	20	21.27	40.00
88.44	16.06	208.0	H	298.00	15	27.44	43.50
182.44	20.18	175.0	H	90.00	17	23.32	43.50
529.85	24.77	100.0	V	42.00	25	21.23	46.00
905.17	30.57	125.0	H	22.00	30	15.43	46.00

Remark: 1. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

2. Margin = Limit – Quasi-Peak

802.11a CH36

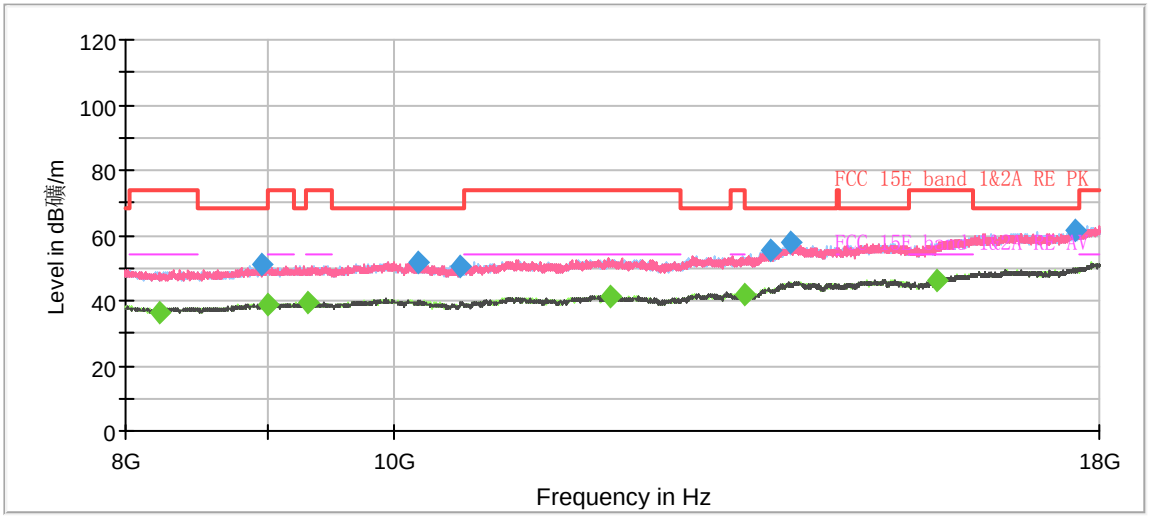


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1046.375000	---	31.81	54.00	22.19	100.0	V	311.0	-16.9
1296.625000	43.75	---	68.20	24.45	100.0	V	319.0	-15.8
1386.750000	---	33.65	54.00	20.35	200.0	V	252.0	-15.4
1595.875000	---	37.70	54.00	16.30	200.0	V	102.0	-14.4
1749.000000	50.41	---	68.20	17.79	200.0	H	227.0	-13.6
2665.125000	53.28	---	68.20	14.92	100.0	V	76.0	-10.5
2811.250000	---	38.54	54.00	15.46	100.0	V	182.0	-9.9
3502.500000	52.72	---	68.20	15.48	200.0	H	1.0	-7.1
3779.875000	---	41.58	54.00	12.42	200.0	V	333.0	-6.1
5618.250000	57.21	---	68.20	10.99	100.0	H	247.0	-0.3
7280.750000	---	47.70	54.00	6.30	100.0	H	296.0	2.9
7852.125000	59.36	---	68.20	8.84	200.0	V	243.0	2.6

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

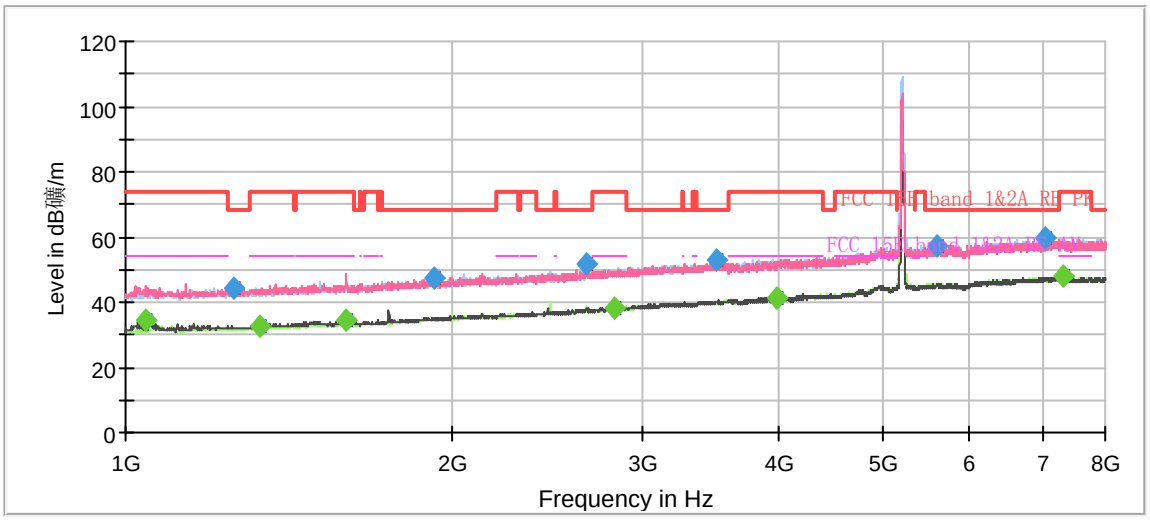


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8228.750000	---	36.61	54.00	17.39	200.0	H	5.0	-7.5
8955.000000	50.89	---	68.20	17.31	100.0	V	351.0	-6.9
9002.500000	---	38.92	54.00	15.08	100.0	H	55.0	-6.7
9308.750000	---	39.17	54.00	14.83	100.0	V	168.0	-6.1
10208.750000	51.70	---	68.20	16.50	200.0	V	15.0	-5.3
10572.500000	50.56	---	68.20	17.64	200.0	H	302.0	-4.9
11987.500000	---	41.49	54.00	12.51	100.0	V	225.0	-3.8
13388.750000	---	41.92	54.00	12.08	100.0	V	323.0	-1.8
13682.500000	55.26	---	68.20	12.94	100.0	V	330.0	-0.4
13925.000000	58.08	---	68.20	10.12	100.0	V	112.0	0.7
15716.250000	---	46.25	54.00	7.75	100.0	V	302.0	2.6
17640.000000	61.75	---	68.20	6.45	100.0	H	237.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11a CH40

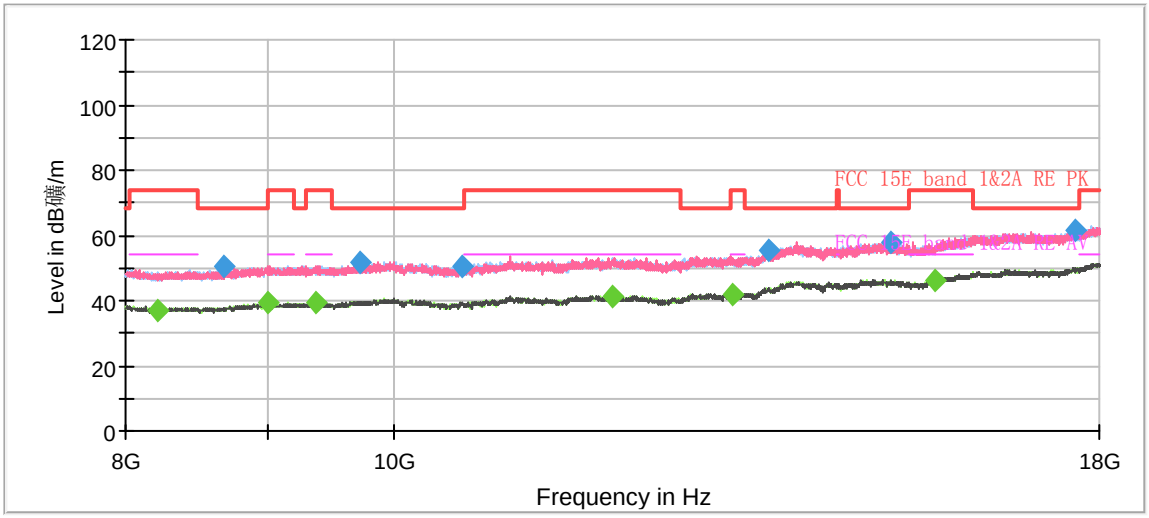


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1044.625000	---	34.30	54.00	19.70	200.0	V	118.0	-16.9
1255.500000	44.05	---	68.20	24.15	100.0	H	282.0	-16.0
1327.250000	---	32.66	54.00	21.34	200.0	V	224.0	-15.6
1595.000000	---	34.53	54.00	19.47	200.0	V	94.0	-14.4
1926.625000	47.67	---	68.20	20.53	200.0	V	359.0	-12.9
2660.750000	51.71	---	68.20	16.49	200.0	V	224.0	-10.5
2817.375000	---	38.37	54.00	15.63	200.0	H	102.0	-9.8
3509.500000	52.67	---	68.20	15.53	200.0	V	359.0	-7.1
3989.875000	---	41.41	54.00	12.59	200.0	V	183.0	-5.5
5596.375000	57.15	---	68.20	11.05	200.0	H	267.0	-0.4
7027.000000	59.42	---	68.20	8.78	100.0	V	36.0	2.3
7302.625000	---	47.96	54.00	6.04	100.0	H	290.0	2.9

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

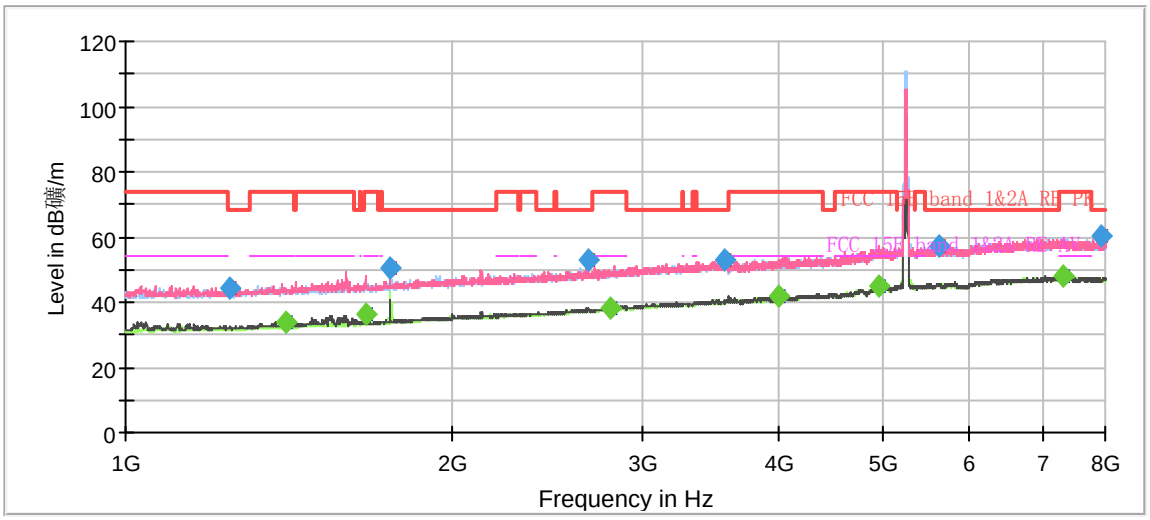


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8221.250000	---	37.18	54.00	16.82	100.0	V	248.0	-7.5
8681.250000	50.40	---	68.20	17.80	100.0	V	295.0	-7.2
9003.750000	---	39.26	54.00	14.74	100.0	V	84.0	-6.7
9377.500000	---	39.51	54.00	14.49	100.0	H	18.0	-5.8
9726.250000	51.85	---	68.20	16.35	100.0	V	274.0	-5.5
10591.250000	50.47	---	68.20	17.73	200.0	V	150.0	-4.8
11997.500000	---	41.36	54.00	12.64	100.0	V	221.0	-3.8
13260.000000	---	42.12	54.00	11.88	200.0	V	77.0	-2.2
13678.750000	55.26	---	68.20	12.94	200.0	H	348.0	-0.4
15135.000000	57.72	---	68.20	10.48	200.0	V	213.0	1.7
15705.000000	---	45.98	54.00	8.02	200.0	V	248.0	2.6
17646.250000	61.44	---	68.20	6.76	200.0	H	341.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11a CH48

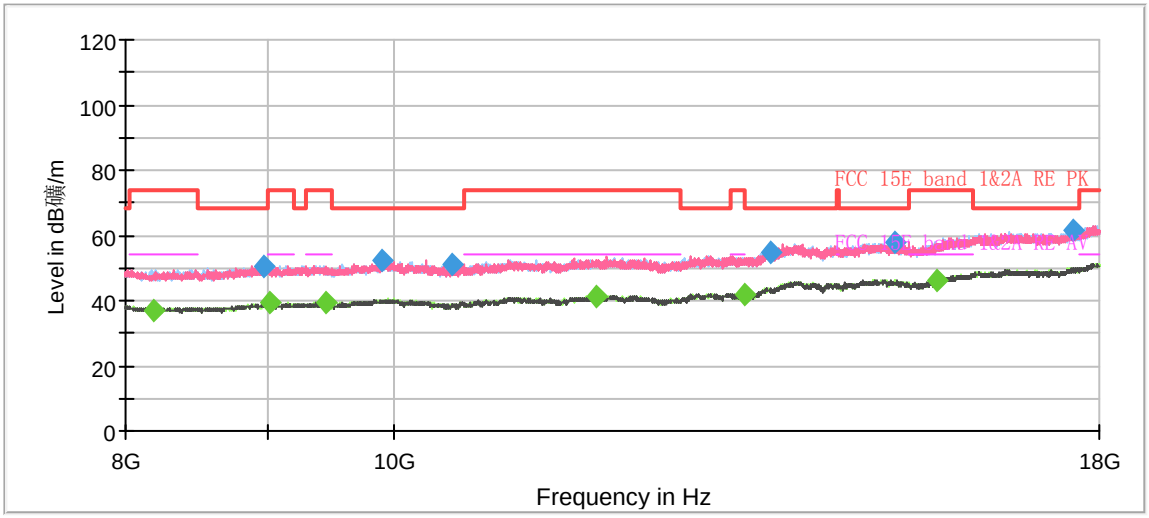


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1245.875000	44.04	---	68.20	24.16	100.0	V	153.0	-16.0
1402.500000	---	34.13	54.00	19.87	200.0	V	82.0	-15.3
1665.000000	---	36.07	54.00	17.93	200.0	V	82.0	-14.1
1754.250000	50.46	---	68.20	17.74	200.0	H	229.0	-13.6
2666.000000	52.69	---	68.20	15.51	200.0	V	106.0	-10.5
2801.625000	---	38.42	54.00	15.58	100.0	V	276.0	-9.9
3569.000000	52.82	---	68.20	15.38	200.0	H	62.0	-6.9
3995.125000	---	41.79	54.00	12.21	100.0	V	0.0	-5.4
4946.250000	---	45.20	54.00	8.80	200.0	V	52.0	-1.7
5616.500000	57.01	---	68.20	11.19	100.0	H	348.0	-0.3
7327.125000	---	47.79	54.00	6.21	100.0	H	238.0	2.8
7939.625000	60.16	---	68.20	8.04	200.0	H	13.0	2.5

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

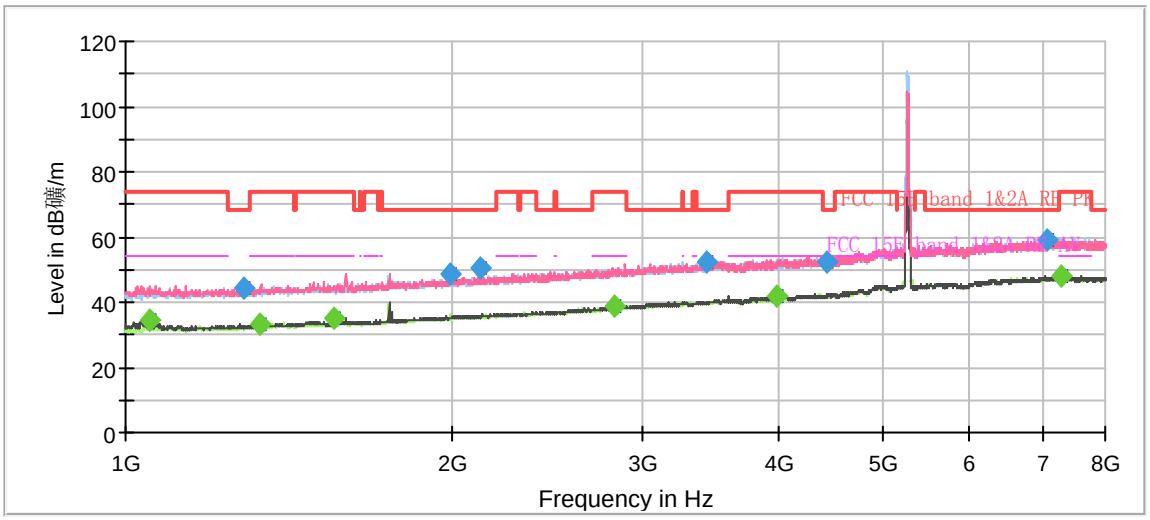


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8183.750000	---	37.23	54.00	16.77	100.0	H	55.0	-7.5
8982.500000	50.47	---	68.20	17.73	200.0	V	144.0	-6.8
9013.750000	---	39.39	54.00	14.61	100.0	H	205.0	-6.7
9447.500000	---	39.19	54.00	14.81	100.0	V	133.0	-5.8
9900.000000	52.25	---	68.20	15.95	100.0	V	337.0	-5.4
10495.000000	51.34	---	68.20	16.86	100.0	H	114.0	-5.2
11842.500000	---	41.27	54.00	12.73	100.0	V	337.0	-3.8
13396.250000	---	42.06	54.00	11.94	100.0	H	107.0	-1.8
13686.250000	54.94	---	68.20	13.26	200.0	H	276.0	-0.4
15190.000000	57.57	---	68.20	10.63	100.0	H	100.0	1.8
15712.500000	---	46.28	54.00	7.72	200.0	V	46.0	2.6
17623.750000	61.50	---	68.20	6.70	200.0	H	13.0	5.3

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11a CH52

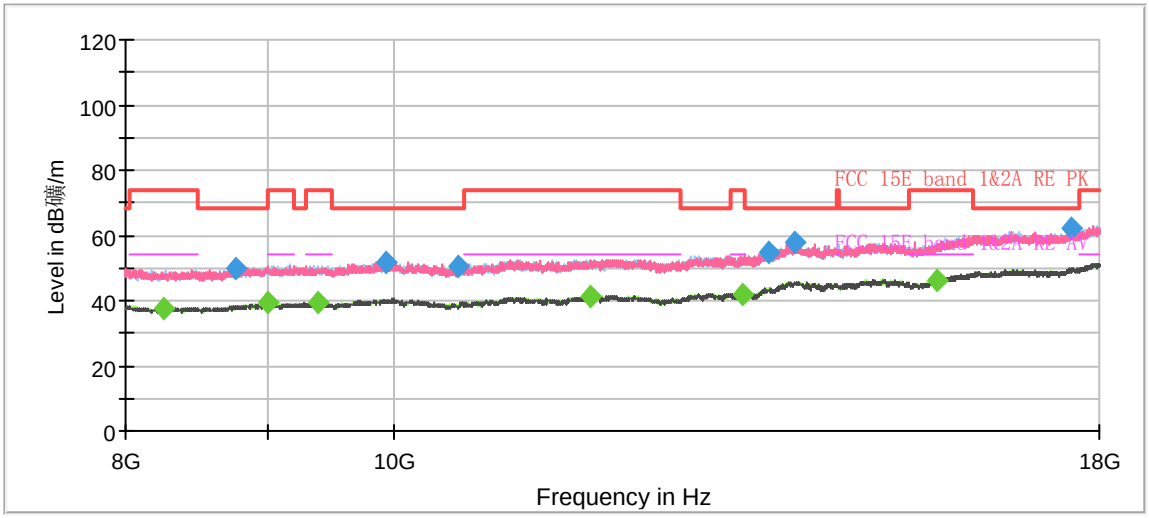


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1053.375000	---	34.18	54.00	19.82	200.0	V	116.0	-16.9
1283.500000	44.04	---	68.20	24.16	200.0	H	0.0	-15.9
1331.625000	---	33.01	54.00	20.99	200.0	V	275.0	-15.6
1553.875000	---	34.83	54.00	19.17	200.0	V	100.0	-14.5
1995.750000	48.70	---	68.20	19.50	200.0	H	186.0	-12.6
2126.125000	50.22	---	68.20	17.98	100.0	V	304.0	-12.2
2823.500000	---	38.48	54.00	15.52	100.0	V	296.0	-9.8
3436.875000	52.49	---	68.20	15.71	200.0	H	235.0	-7.3
3989.875000	---	41.94	54.00	12.06	100.0	V	118.0	-5.5
4422.125000	52.20	---	68.20	16.00	200.0	H	23.0	-4.3
7061.125000	59.06	---	68.20	9.14	200.0	V	166.0	2.4
7270.250000	---	47.99	54.00	6.01	200.0	V	124.0	2.9

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

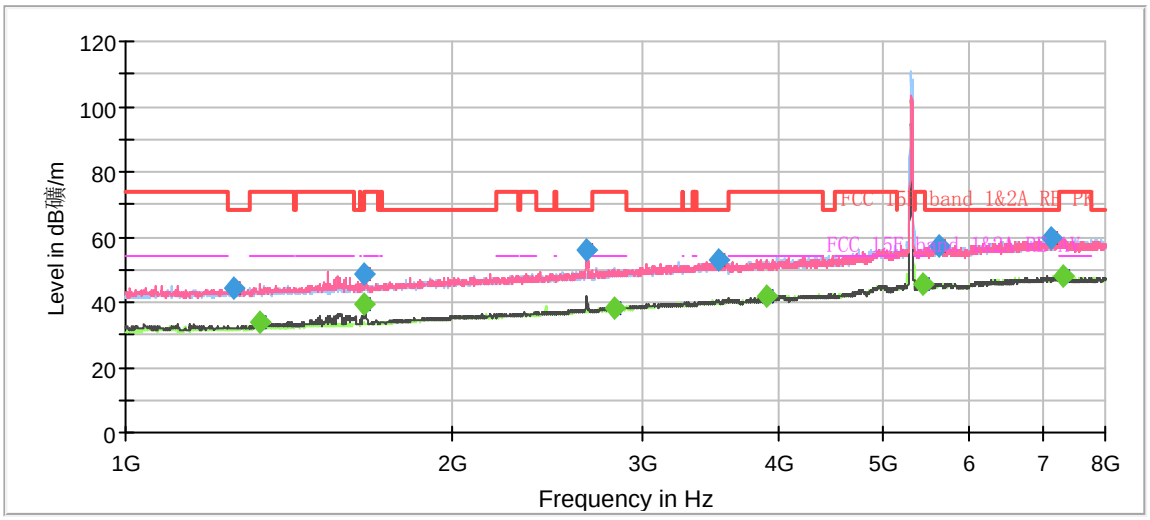


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8258.750000	---	37.23	54.00	16.77	100.0	V	324.0	-7.5
8765.000000	50.14	---	68.20	18.06	100.0	V	0.0	-7.1
9002.500000	---	39.16	54.00	14.84	100.0	H	1.0	-6.7
9393.750000	---	39.14	54.00	14.86	200.0	H	262.0	-5.8
9941.250000	51.73	---	68.20	16.47	100.0	V	332.0	-5.3
10557.500000	50.42	---	68.20	17.78	100.0	H	20.0	-4.9
11788.750000	---	41.37	54.00	12.63	200.0	H	0.0	-3.7
13367.500000	---	42.09	54.00	11.91	200.0	H	358.0	-1.9
13678.750000	54.94	---	68.20	13.26	100.0	V	266.0	-0.4
13962.500000	58.08	---	68.20	10.12	100.0	V	238.0	0.7
15713.750000	---	45.92	54.00	8.08	200.0	H	352.0	2.6
17590.000000	62.15	---	68.20	6.05	200.0	H	126.0	5.3

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11a CH60

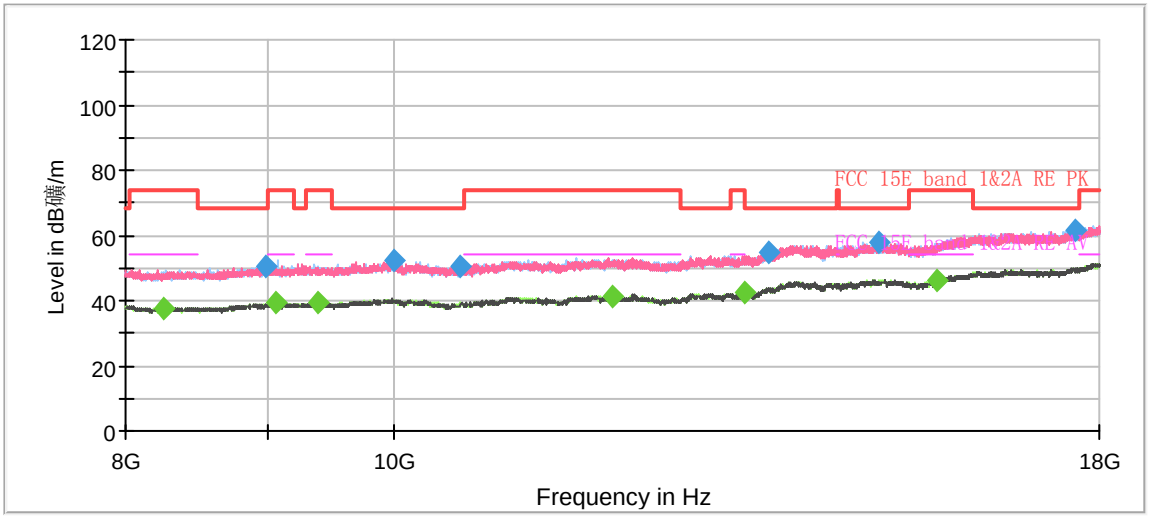


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1255.500000	44.47	---	68.20	23.73	100.0	V	101.0	-16.0
1331.625000	---	33.79	54.00	20.21	200.0	V	93.0	-15.6
1659.750000	48.34	---	68.20	19.86	200.0	V	93.0	-14.1
1660.625000	---	39.41	54.00	14.59	200.0	V	93.0	-14.1
2660.750000	55.96	---	68.20	12.24	100.0	V	345.0	-10.5
2817.375000	---	38.40	54.00	15.60	200.0	V	36.0	-9.8
3522.625000	52.69	---	68.20	15.51	100.0	V	125.0	-7.0
3894.500000	---	41.62	54.00	12.38	100.0	V	216.0	-6.0
5436.250000	---	45.34	54.00	8.66	200.0	H	12.0	-0.7
5622.625000	57.13	---	68.20	11.07	100.0	H	170.0	-0.3
7118.000000	59.64	---	68.20	8.56	100.0	V	311.0	2.5
7322.750000	---	47.90	54.00	6.10	100.0	V	6.0	2.9

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

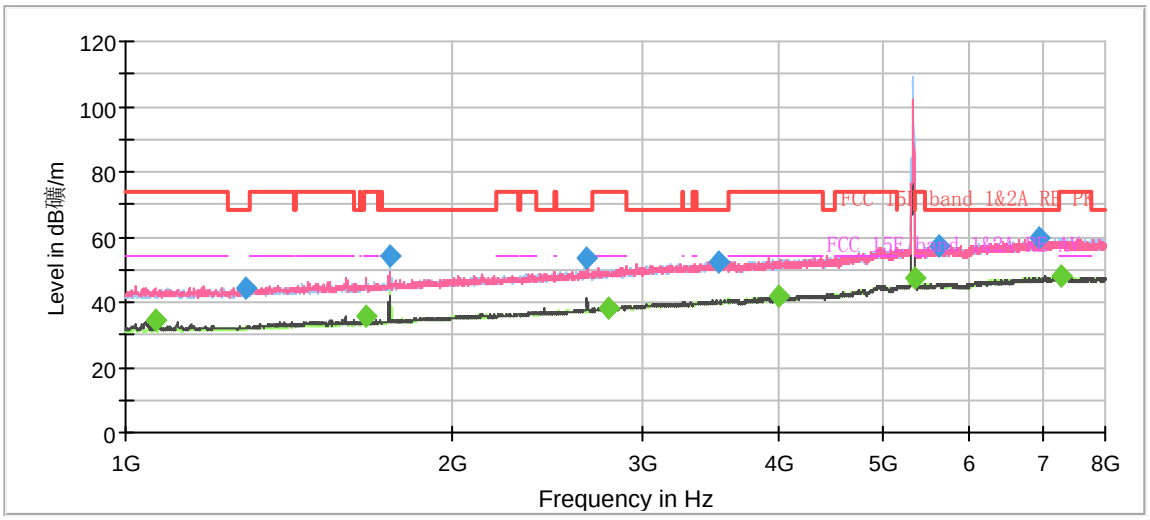


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8251.250000	---	37.67	54.00	16.33	200.0	H	303.0	-7.5
8985.000000	50.46	---	68.20	17.74	200.0	V	19.0	-6.8
9066.250000	---	39.09	54.00	14.91	100.0	H	100.0	-6.6
9396.250000	---	39.35	54.00	14.65	200.0	H	226.0	-5.8
10003.750000	52.13	---	68.20	16.07	200.0	V	207.0	-5.4
10575.000000	50.53	---	68.20	17.67	100.0	V	310.0	-4.9
11995.000000	---	41.29	54.00	12.71	200.0	H	358.0	-3.8
13386.250000	---	42.15	54.00	11.85	200.0	V	334.0	-1.8
13661.250000	54.87	---	68.20	13.33	200.0	H	0.0	-0.5
14982.500000	57.78	---	68.20	10.42	200.0	V	270.0	1.5
15721.250000	---	46.18	54.00	7.82	200.0	V	95.0	2.7
17650.000000	61.33	---	68.20	6.87	200.0	H	352.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11a CH64

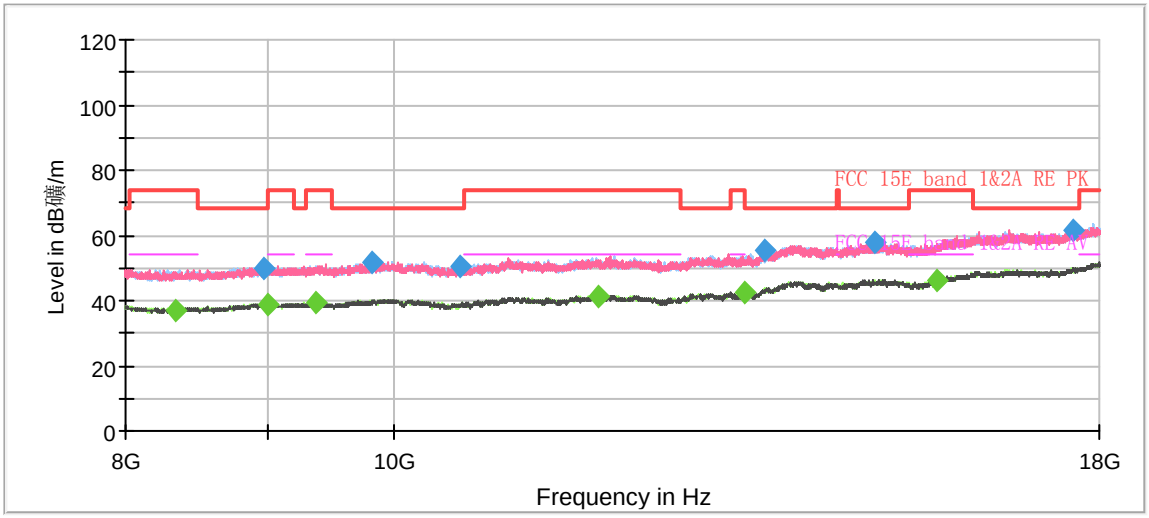


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1064.750000	---	34.38	54.00	19.62	200.0	V	127.0	-16.9
1289.625000	44.42	---	68.20	23.78	100.0	V	117.0	-15.8
1665.875000	---	35.72	54.00	18.28	100.0	V	126.0	-14.1
1753.375000	53.96	---	68.20	14.24	200.0	H	5.0	-13.6
2656.375000	53.77	---	68.20	14.43	200.0	V	119.0	-10.5
2791.125000	---	38.40	54.00	15.60	100.0	V	359.0	-9.9
3523.500000	52.50	---	68.20	15.70	100.0	V	158.0	-7.0
3991.625000	---	41.69	54.00	12.31	200.0	H	344.0	-5.4
5350.500000	---	47.65	54.00	6.35	100.0	H	104.0	-1.1
5611.250000	57.03	---	68.20	11.17	100.0	V	101.0	-0.3
6958.750000	59.99	---	68.20	8.21	200.0	V	358.0	2.1
7297.375000	---	47.74	54.00	6.26	200.0	V	144.0	2.9

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

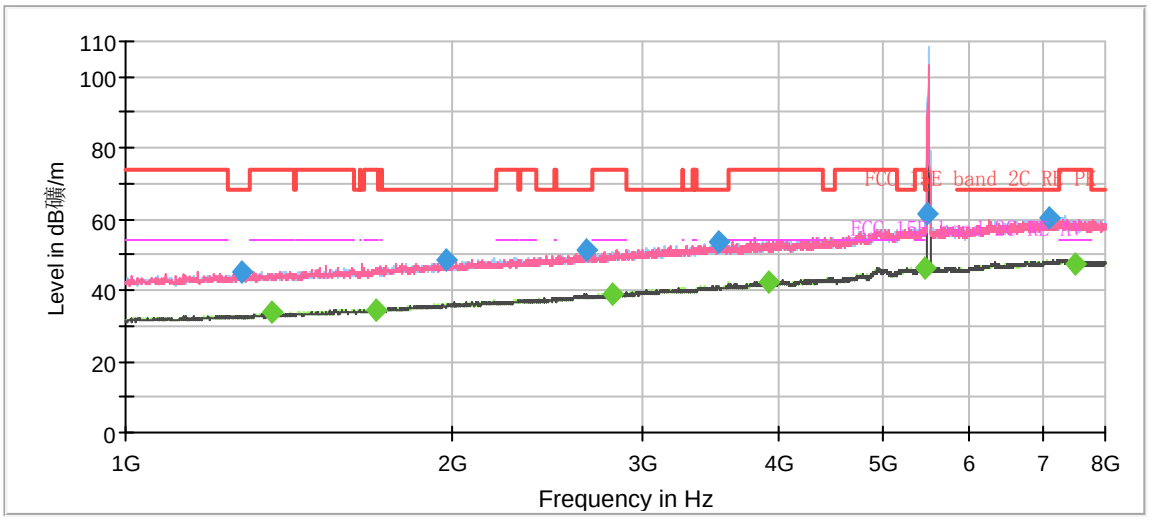


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8345.000000	---	37.09	54.00	16.91	100.0	H	116.0	-7.4
8968.750000	50.02	---	68.20	18.18	200.0	V	219.0	-6.8
9006.250000	---	39.07	54.00	14.93	200.0	H	106.0	-6.7
9370.000000	---	39.09	54.00	14.91	100.0	H	67.0	-5.9
9825.000000	51.93	---	68.20	16.27	100.0	V	189.0	-5.5
10578.750000	50.71	---	68.20	17.49	200.0	V	78.0	-4.8
11868.750000	---	41.43	54.00	12.57	200.0	V	18.0	-3.8
13397.500000	---	42.36	54.00	11.64	200.0	V	156.0	-1.8
13615.000000	55.13	---	68.20	13.07	200.0	V	142.0	-0.7
14928.750000	57.62	---	68.20	10.58	100.0	H	11.0	1.6
15717.500000	---	45.98	54.00	8.02	100.0	V	196.0	2.7
17627.500000	61.48	---	68.20	6.72	100.0	H	109.0	5.3

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11a CH100

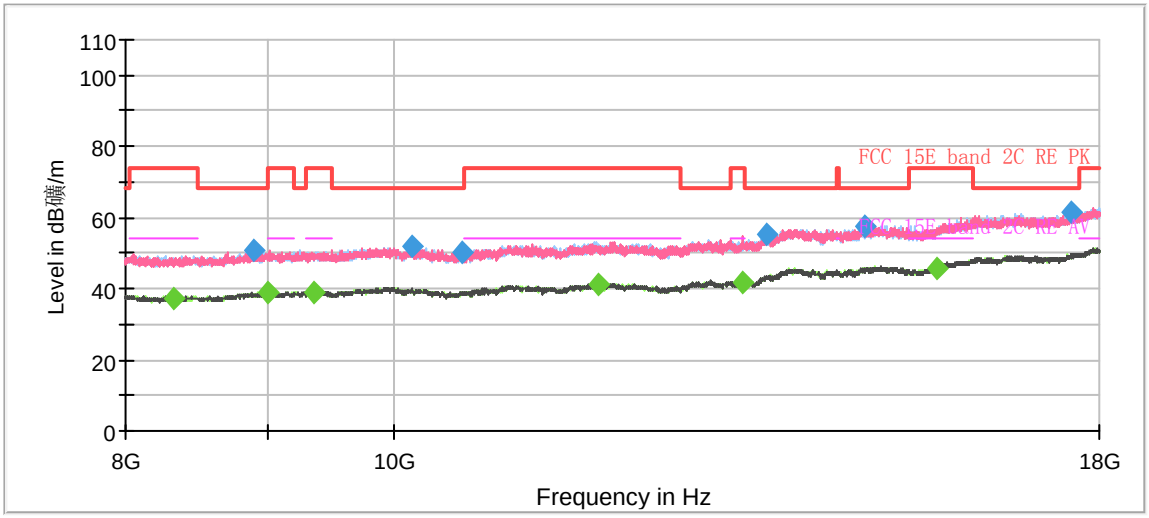


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1280.875000	44.89	---	68.20	23.31	200.0	V	174.0	-15.9
1364.875000	---	33.57	54.00	20.43	200.0	H	0.0	-15.5
1700.875000	---	34.61	54.00	19.39	200.0	H	0.0	-14.0
1978.250000	48.53	---	68.20	19.67	200.0	V	222.0	-12.7
2659.000000	51.26	---	68.20	16.94	200.0	V	335.0	-10.5
2814.750000	---	39.02	54.00	14.98	200.0	V	85.0	-9.8
3525.250000	53.54	---	68.20	14.66	200.0	V	246.0	-7.0
3916.375000	---	42.48	54.00	11.52	200.0	V	222.0	-5.9
5459.875000	---	46.44	54.00	7.56	100.0	H	204.0	-0.6
5468.625000	61.39	---	68.20	6.81	100.0	H	82.0	-0.5
7102.250000	60.19	---	68.20	8.01	200.0	V	198.0	2.4
7519.625000	---	47.25	54.00	6.75	200.0	V	174.0	2.4

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

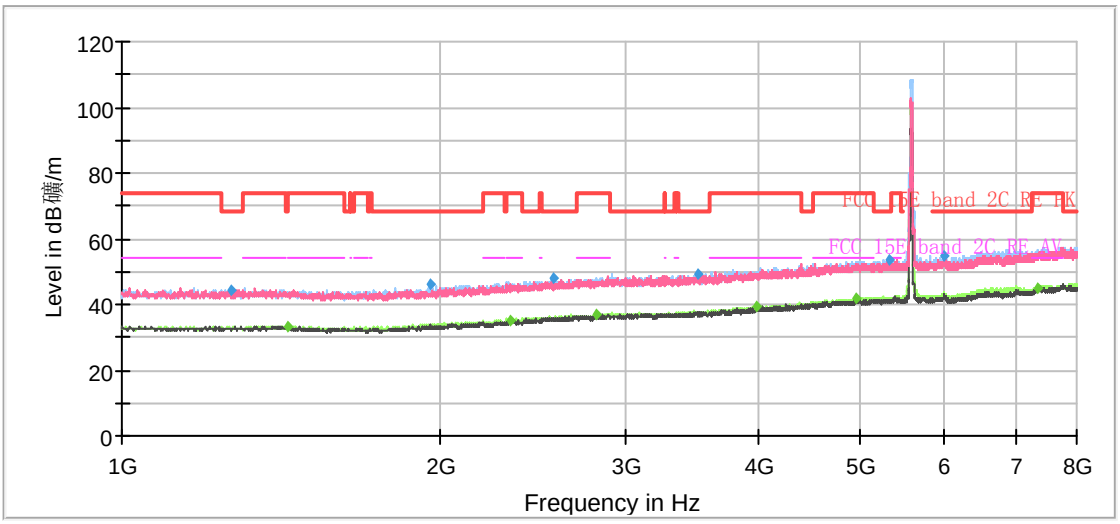


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8328.750000	---	37.11	54.00	16.89	200.0	H	169.0	-7.4
8907.500000	50.70	---	68.20	17.50	100.0	V	304.0	-6.9
9001.250000	---	39.13	54.00	14.87	100.0	V	0.0	-6.7
9358.750000	---	39.20	54.00	14.80	100.0	V	353.0	-5.9
10151.250000	51.71	---	68.20	16.49	100.0	V	269.0	-5.4
10591.250000	50.31	---	68.20	17.89	100.0	V	242.0	-4.8
11866.250000	---	41.27	54.00	12.73	100.0	V	203.0	-3.8
13366.250000	---	41.96	54.00	12.04	200.0	H	64.0	-1.9
13638.750000	55.34	---	68.20	12.86	200.0	V	236.0	-0.6
14815.000000	57.72	---	68.20	10.48	100.0	V	112.0	1.8
15721.250000	---	45.91	54.00	8.09	100.0	H	173.0	2.7
17585.000000	61.56	---	68.20	6.64	200.0	H	338.0	5.3

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11a CH116

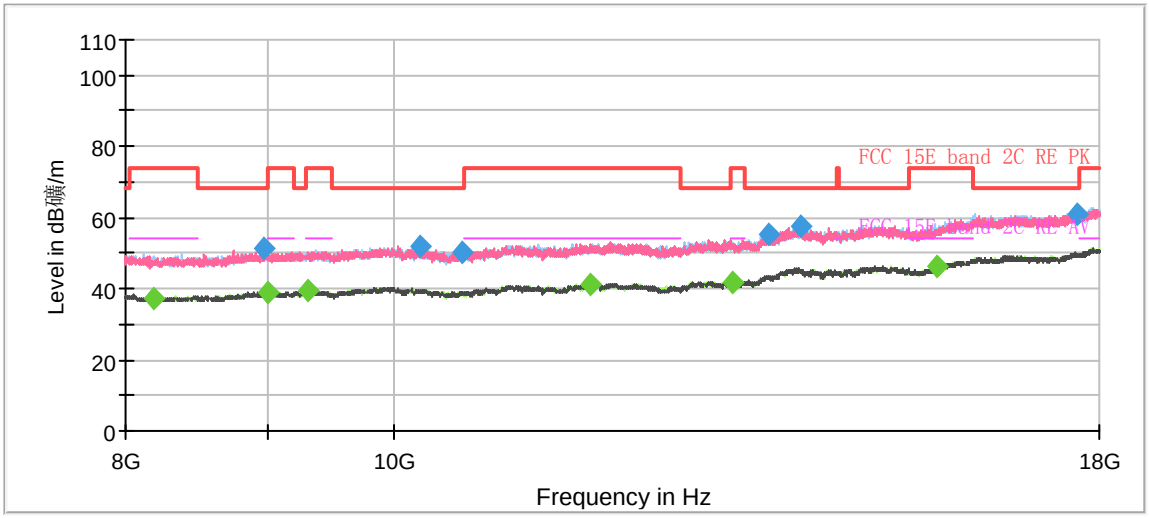


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1267.75	44.59	---	68.20	23.61	100.0	H	355.00	-8
1435.75	---	33.23	54.00	20.77	100.0	H	253.00	-7
1961.63	46.25	---	68.20	21.95	100.0	H	353.00	-5
2326.50	---	35.21	54.00	18.79	200.0	H	173.00	-4
2555.75	48.26	---	68.20	19.94	200.0	H	128.00	-4
2813.88	---	36.76	54.00	17.24	200.0	H	2.00	-3
3501.63	49.39	---	68.20	18.81	200.0	V	358.00	-3
3984.63	---	39.38	54.00	14.62	200.0	V	0.00	-1
4952.38	---	41.90	54.00	12.10	100.0	H	326.00	2
5309.38	53.64	---	68.20	14.56	100.0	H	358.00	2
6002.38	54.78	---	68.20	13.42	100.0	H	307.00	5
7361.25	---	45.17	54.00	8.83	100.0	H	199.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

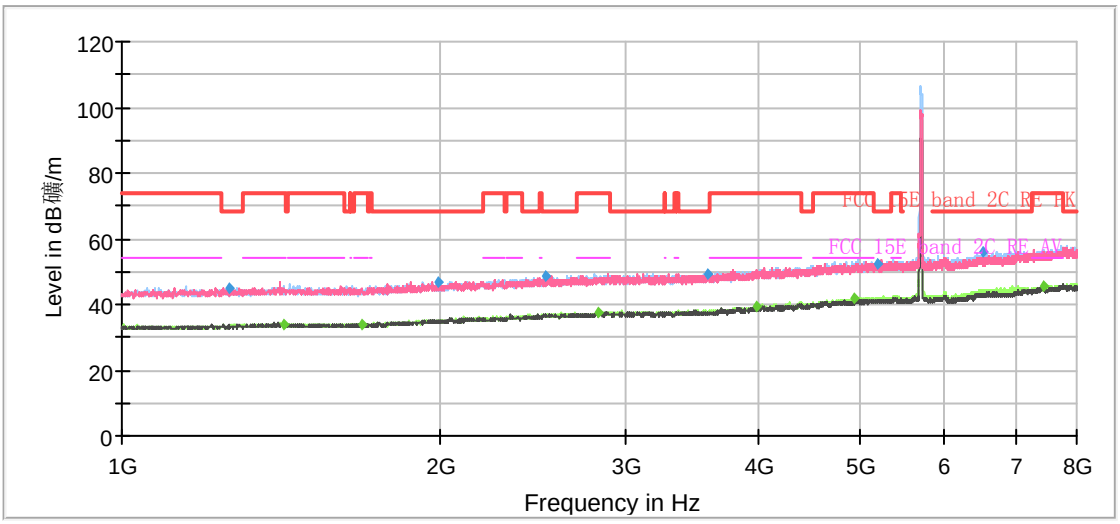


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8186.250000	---	37.19	54.00	16.81	200.0	H	161.0	-7.5
8971.250000	51.09	---	68.20	17.11	200.0	V	55.0	-6.8
9002.500000	---	38.96	54.00	15.04	200.0	V	48.0	-6.7
9311.250000	---	39.59	54.00	14.41	200.0	H	245.0	-6.1
10231.250000	52.03	---	68.20	16.17	200.0	V	250.0	-5.3
10588.750000	50.39	---	68.20	17.81	100.0	H	257.0	-4.8
11791.250000	---	41.34	54.00	12.66	200.0	V	166.0	-3.7
13253.750000	---	41.78	54.00	12.22	200.0	H	0.0	-2.2
13671.250000	55.44	---	68.20	12.76	200.0	V	250.0	-0.5
14046.250000	57.76	---	68.20	10.44	100.0	H	200.0	0.7
15713.750000	---	46.11	54.00	7.89	200.0	V	68.0	2.6
17672.500000	60.99	---	68.20	7.21	200.0	H	259.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11a CH140

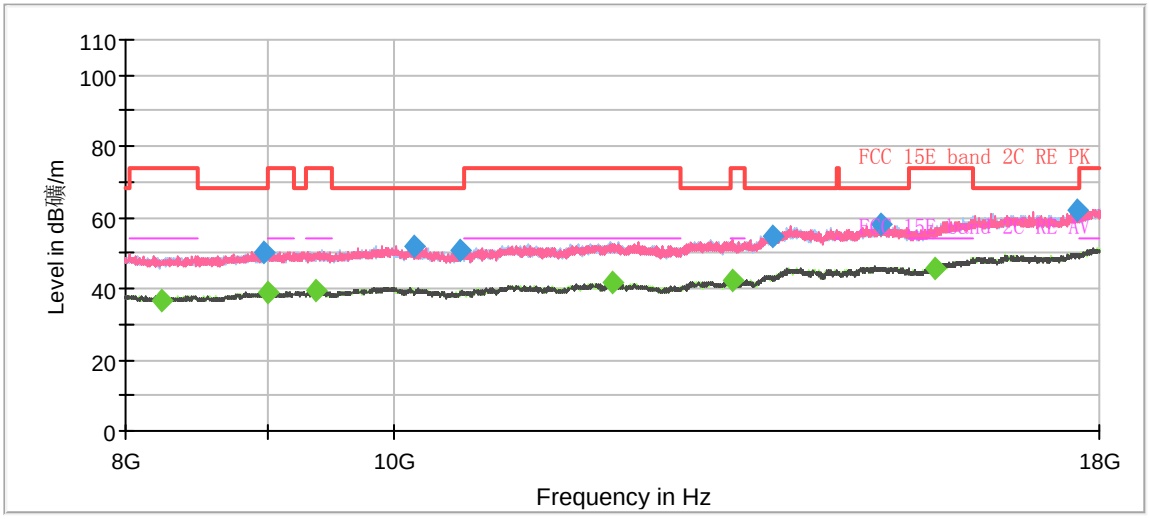


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1264.25	44.92	---	68.20	23.28	200.0	H	135.00	-8
1422.63	---	34.15	54.00	19.85	100.0	H	353.00	-7
1689.50	---	33.95	54.00	20.05	100.0	V	47.00	-6
1994.88	46.89	---	68.20	21.31	200.0	V	354.00	-5
2513.75	48.67	---	68.20	19.53	100.0	V	64.00	-4
2827.00	---	37.48	54.00	16.52	100.0	H	333.00	-3
3583.88	49.45	---	68.20	18.75	200.0	H	258.00	-3
3987.25	---	39.28	54.00	14.72	100.0	H	357.00	-1
4936.63	---	41.69	54.00	12.31	100.0	H	353.00	2
5174.63	52.41	---	68.20	15.79	200.0	V	240.00	2
6530.00	56.17	---	68.20	12.03	100.0	H	292.00	6
7441.75	---	45.65	54.00	8.35	100.0	H	349.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

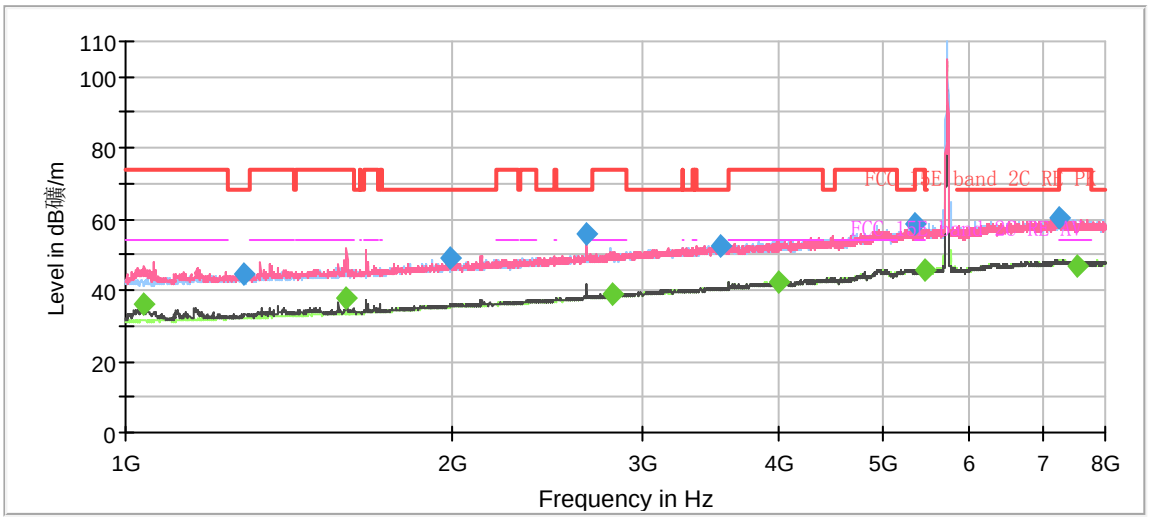


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8237.500000	---	36.95	54.00	17.05	200.0	H	198.0	-7.5
8980.000000	50.21	---	68.20	17.99	100.0	H	43.0	-6.8
9012.500000	---	39.11	54.00	14.89	100.0	V	0.0	-6.7
9376.250000	---	39.24	54.00	14.76	100.0	H	162.0	-5.8
10181.250000	51.98	---	68.20	16.22	200.0	H	0.0	-5.3
10576.250000	50.64	---	68.20	17.56	200.0	H	255.0	-4.8
11998.750000	---	41.47	54.00	12.53	100.0	H	282.0	-3.8
13258.750000	---	42.10	54.00	11.90	100.0	H	275.0	-2.2
13707.500000	54.95	---	68.20	13.25	100.0	V	106.0	-0.3
15000.000000	58.02	---	68.20	10.18	200.0	V	0.0	1.4
15703.750000	---	45.89	54.00	8.11	200.0	V	56.0	2.6
17666.250000	61.80	---	68.20	6.40	100.0	H	253.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11a CH144

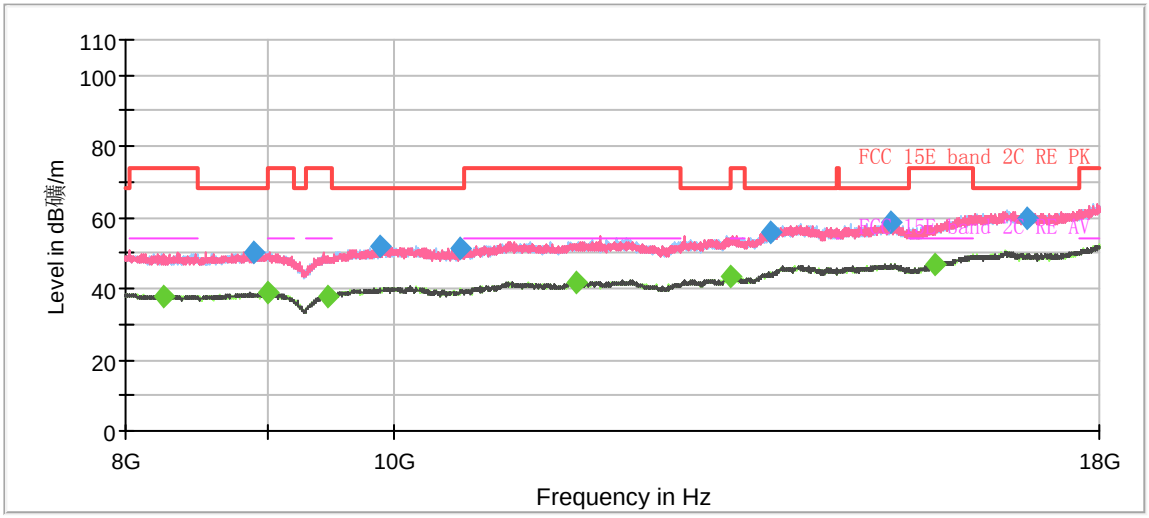


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1037.625000	---	36.34	54.00	17.66	200.0	V	201.0	-16.9
1286.125000	44.71	---	68.20	23.49	200.0	V	209.0	-15.8
1598.500000	---	37.77	54.00	16.23	200.0	V	56.0	-14.4
1991.375000	49.33	---	68.20	18.87	200.0	V	80.0	-12.6
2660.750000	56.06	---	68.20	12.14	200.0	V	104.0	-10.5
2812.125000	---	38.71	54.00	15.29	100.0	H	97.0	-9.9
3539.250000	52.71	---	68.20	15.49	100.0	V	320.0	-7.0
3995.125000	---	42.36	54.00	11.64	100.0	V	237.0	-5.4
5331.250000	58.61	---	68.20	9.59	200.0	V	161.0	-1.2
5451.125000	---	45.95	54.00	8.05	200.0	V	28.0	-0.6
7249.250000	60.50	---	68.20	7.70	100.0	H	229.0	2.8
7549.375000	---	46.92	54.00	7.08	200.0	H	344.0	2.4

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

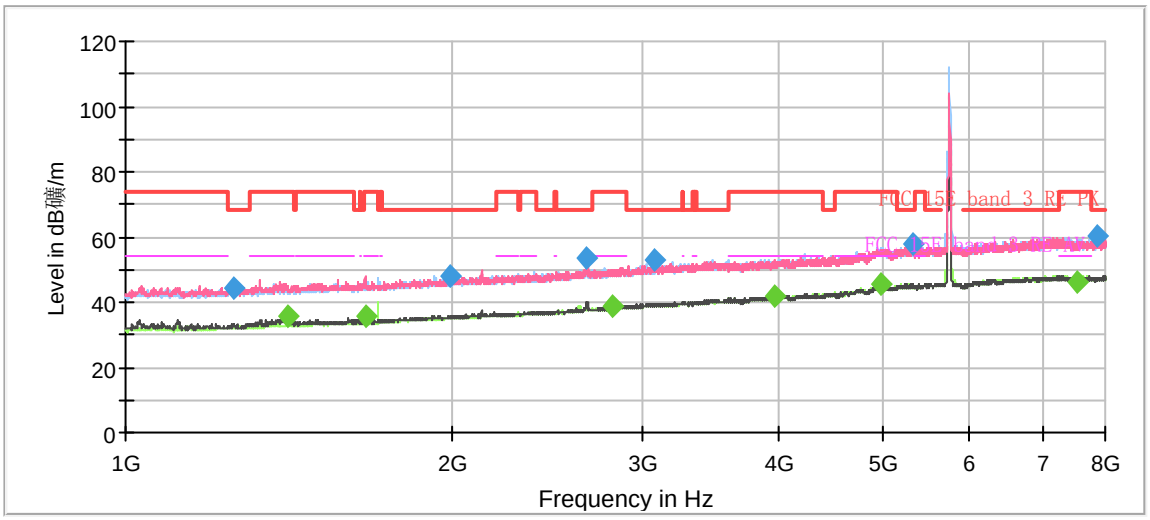


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8260.000000	---	37.98	54.00	16.02	200.0	V	0.0	-7.5
8903.750000	50.43	---	68.20	17.77	100.0	H	238.0	-6.9
9010.000000	---	38.79	54.00	15.21	100.0	V	98.0	-6.7
9468.750000	---	38.03	54.00	15.97	100.0	V	349.0	-5.8
9896.250000	51.91	---	68.20	16.29	200.0	V	136.0	-5.4
10575.000000	51.36	---	68.20	16.84	200.0	H	282.0	-4.9
11643.750000	---	42.02	54.00	11.98	100.0	V	231.0	-3.4
13252.500000	---	43.32	54.00	10.68	200.0	H	288.0	-2.2
13698.750000	55.65	---	68.20	12.55	100.0	H	6.0	-0.4
15135.000000	58.40	---	68.20	9.80	200.0	H	162.0	1.7
15707.500000	---	46.72	54.00	7.28	200.0	V	3.0	2.6
16951.250000	59.92	---	68.20	8.28	100.0	H	297.0	5.1

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11a CH149

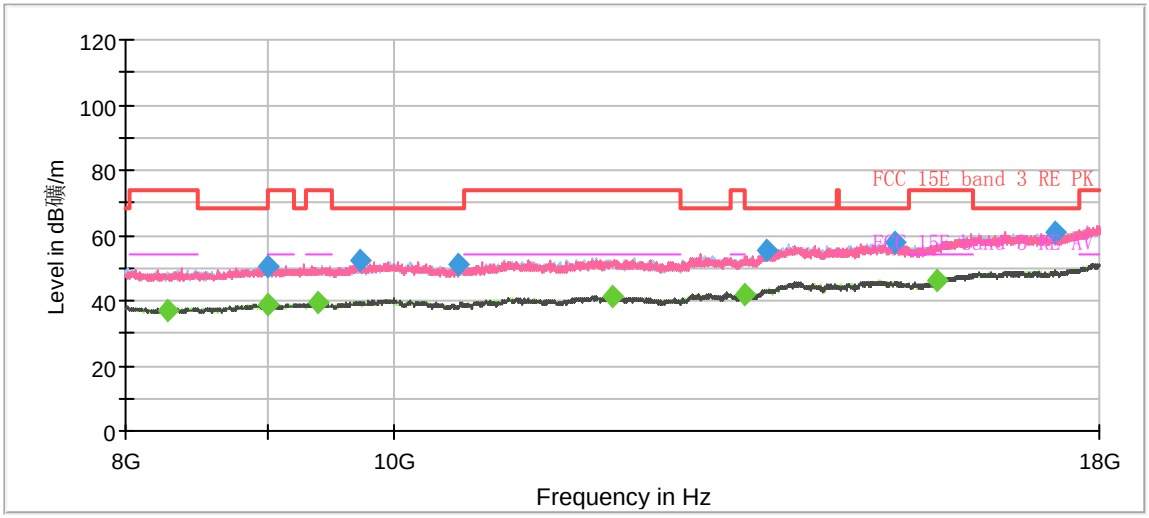


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1258.125000	44.35	---	68.20	23.85	200.0	H	77.0	-16.0
1412.125000	---	35.43	54.00	18.57	100.0	V	262.0	-15.3
1664.125000	---	35.63	54.00	18.37	100.0	V	89.0	-14.1
1994.875000	47.96	---	68.20	20.24	200.0	V	114.0	-12.6
2664.250000	53.39	---	68.20	14.81	200.0	V	0.0	-10.5
2815.625000	---	38.55	54.00	15.45	200.0	H	261.0	-9.8
3073.750000	52.96	---	68.20	15.24	200.0	H	252.0	-8.6
3968.000000	---	41.87	54.00	12.13	200.0	H	0.0	-5.7
4960.250000	---	45.58	54.00	8.42	200.0	V	98.0	-1.6
5317.250000	58.00	---	68.20	10.20	200.0	V	0.0	-1.1
7549.375000	---	46.38	54.00	7.62	200.0	V	0.0	2.4
7879.250000	60.42	---	68.20	7.78	200.0	H	98.0	2.6

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

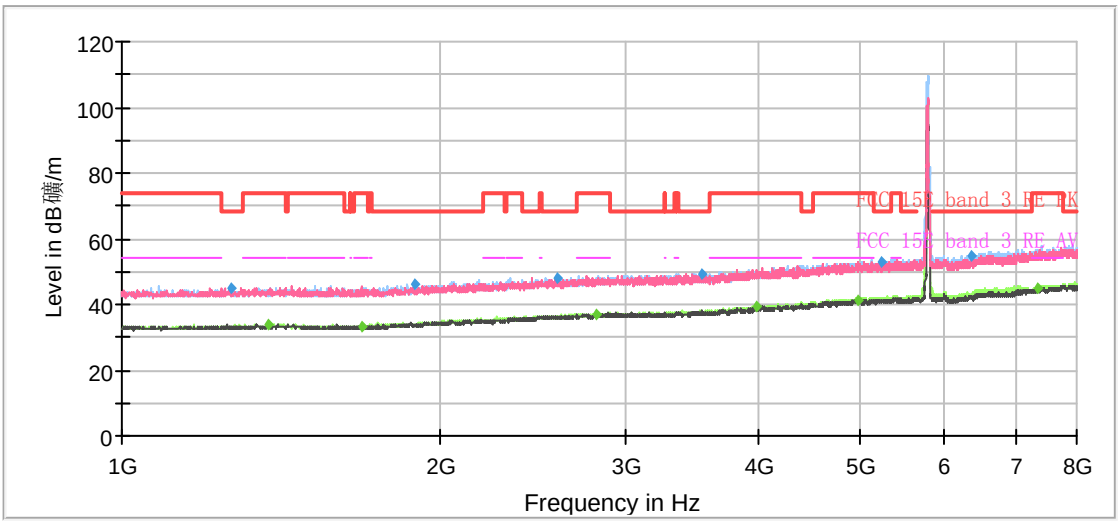


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8278.750000	---	37.17	54.00	16.83	100.0	H	191.0	-7.5
8998.750000	50.38	---	68.20	17.82	100.0	V	339.0	-6.8
9001.250000	---	39.02	54.00	14.98	200.0	V	60.0	-6.7
9390.000000	---	39.28	54.00	14.72	200.0	V	18.0	-5.8
9718.750000	52.11	---	68.20	16.09	100.0	H	128.0	-5.5
10545.000000	50.85	---	68.20	17.35	200.0	H	330.0	-5.0
11990.000000	---	41.38	54.00	12.62	200.0	V	207.0	-3.8
13396.250000	---	41.73	54.00	12.27	200.0	V	263.0	-1.8
13651.250000	55.15	---	68.20	13.05	200.0	V	123.0	-0.5
15172.500000	57.66	---	68.20	10.54	100.0	H	170.0	1.8
15716.250000	---	45.93	54.00	8.07	200.0	V	207.0	2.6
17352.500000	61.15	---	68.20	7.06	100.0	H	0.0	5.1

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11a CH157

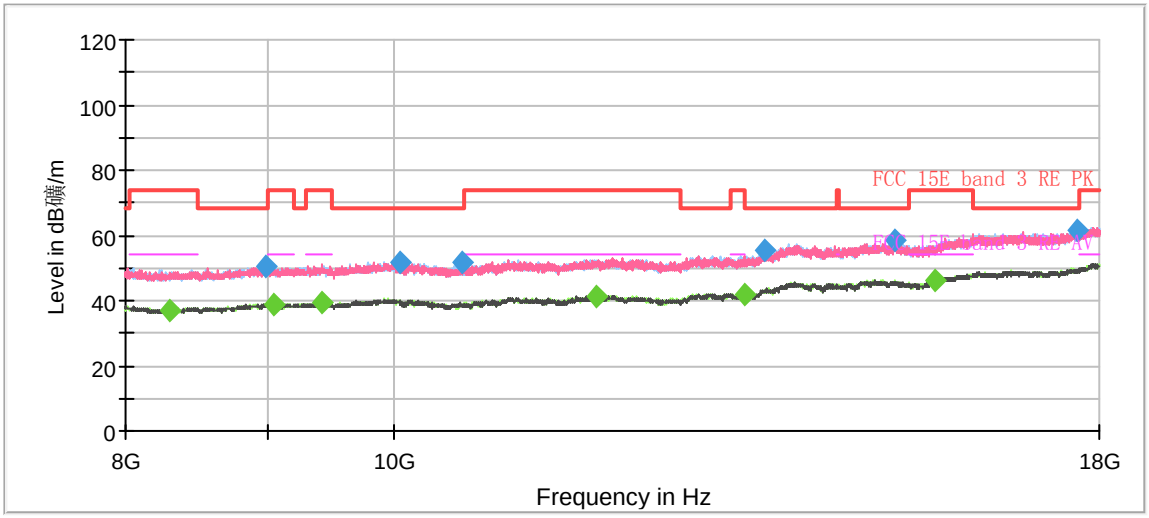


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1268.63	45.15	---	68.20	23.05	100.0	V	250.00	-8
1375.38	---	33.99	54.00	20.01	200.0	H	169.00	-7
1685.13	---	33.10	54.00	20.90	200.0	H	151.00	-6
1889.88	46.42	---	68.20	21.78	100.0	H	127.00	-5
2583.75	48.04	---	68.20	20.16	200.0	H	0.00	-4
2813.88	---	37.16	54.00	16.84	200.0	H	4.00	-3
3532.25	49.39	---	68.20	18.81	200.0	H	15.00	-3
3987.25	---	39.20	54.00	14.80	200.0	H	98.00	-1
4962.88	---	41.38	54.00	12.62	200.0	H	5.00	2
5226.25	52.78	---	68.20	15.42	200.0	V	254.00	2
6347.13	54.87	---	68.20	13.33	200.0	H	0.00	5
7359.50	---	45.14	54.00	8.86	200.0	H	11.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

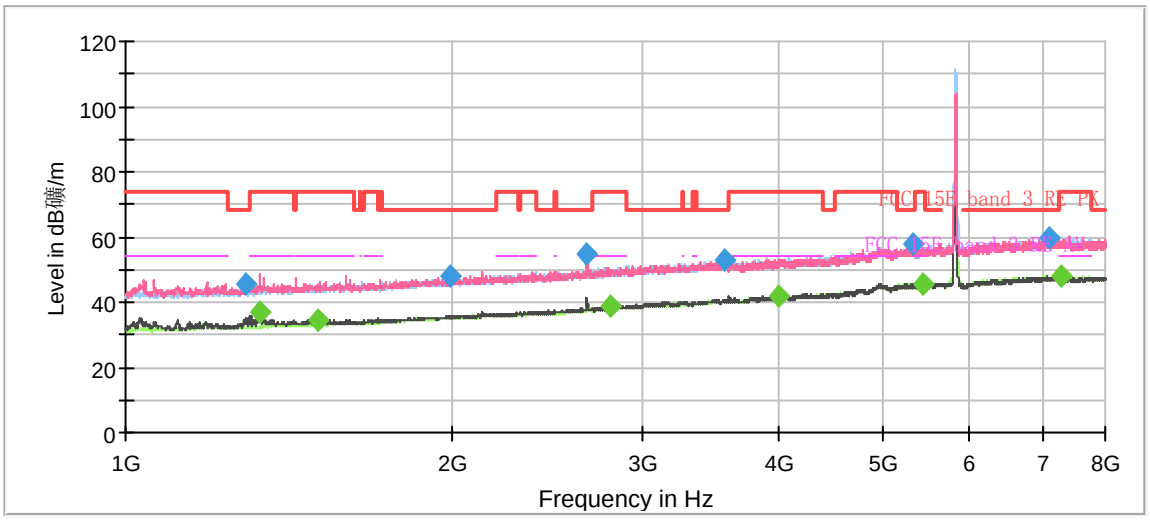


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8303.750000	---	37.11	54.00	16.89	200.0	H	97.0	-7.5
8990.000000	50.40	---	68.20	17.80	100.0	V	207.0	-6.8
9058.750000	---	39.06	54.00	14.94	200.0	H	350.0	-6.6
9417.500000	---	39.13	54.00	14.87	100.0	V	165.0	-5.8
10052.500000	51.99	---	68.20	16.21	200.0	H	223.0	-5.5
10591.250000	51.45	---	68.20	16.75	100.0	V	359.0	-4.8
11837.500000	---	41.36	54.00	12.64	100.0	H	54.0	-3.8
13400.000000	---	41.89	54.00	12.11	200.0	H	265.0	-1.8
13613.750000	55.32	---	68.20	12.88	200.0	H	223.0	-0.7
15182.500000	58.70	---	68.20	9.50	200.0	V	0.0	1.8
15710.000000	---	45.99	54.00	8.01	200.0	H	287.0	2.6
17675.000000	61.50	---	68.20	6.70	100.0	V	284.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11a CH165

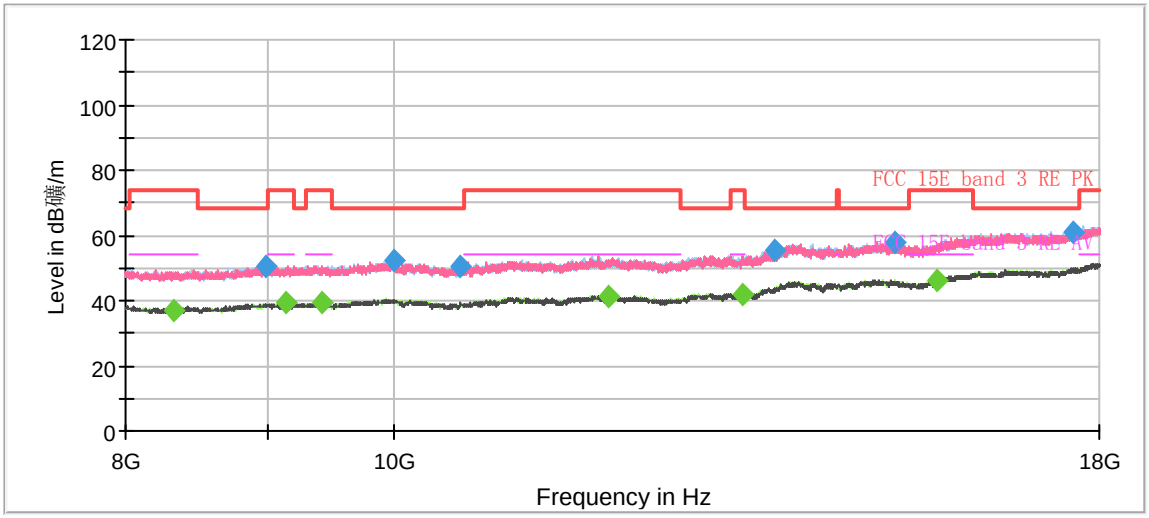


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1290.500000	45.30	---	68.20	22.90	100.0	V	41.0	-15.8
1330.750000	---	37.01	54.00	16.99	100.0	V	41.0	-15.6
1506.625000	---	34.66	54.00	19.34	200.0	V	82.0	-14.8
1995.750000	47.73	---	68.20	20.47	100.0	V	106.0	-12.6
2656.375000	54.53	---	68.20	13.67	200.0	V	0.0	-10.5
2804.250000	---	38.59	54.00	15.41	100.0	V	7.0	-9.9
3569.000000	53.19	---	68.20	15.01	200.0	H	331.0	-6.9
3991.625000	---	41.77	54.00	12.23	200.0	V	34.0	-5.4
5321.625000	57.95	---	68.20	10.25	100.0	V	7.0	-1.1
5438.000000	---	45.58	54.00	8.42	100.0	H	44.0	-0.7
7110.125000	59.74	---	68.20	8.46	100.0	V	24.0	2.4
7279.875000	---	47.89	54.00	6.11	100.0	H	230.0	2.9

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

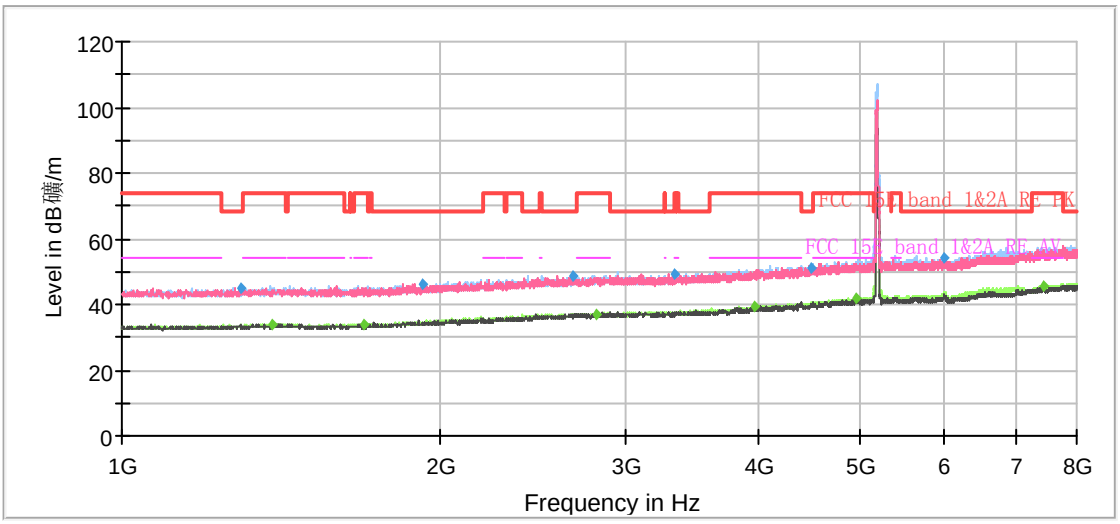


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8327.500000	---	36.73	54.00	17.27	200.0	H	298.0	-7.4
8986.250000	50.40	---	68.20	17.80	100.0	H	220.0	-6.8
9146.250000	---	39.12	54.00	14.88	100.0	V	190.0	-6.6
9425.000000	---	39.26	54.00	14.74	100.0	V	347.0	-5.8
10008.750000	52.27	---	68.20	15.93	100.0	V	228.0	-5.4
10572.500000	50.55	---	68.20	17.65	100.0	V	263.0	-4.9
11951.250000	---	41.21	54.00	12.79	100.0	V	312.0	-3.8
13377.500000	---	41.85	54.00	12.15	200.0	H	190.0	-1.8
13726.250000	55.15	---	68.20	13.05	200.0	V	44.0	-0.3
15173.750000	57.71	---	68.20	10.49	200.0	V	171.0	1.8
15718.750000	---	45.99	54.00	8.01	200.0	H	260.0	2.7
17617.500000	61.14	---	68.20	7.06	100.0	H	136.0	5.3

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH36

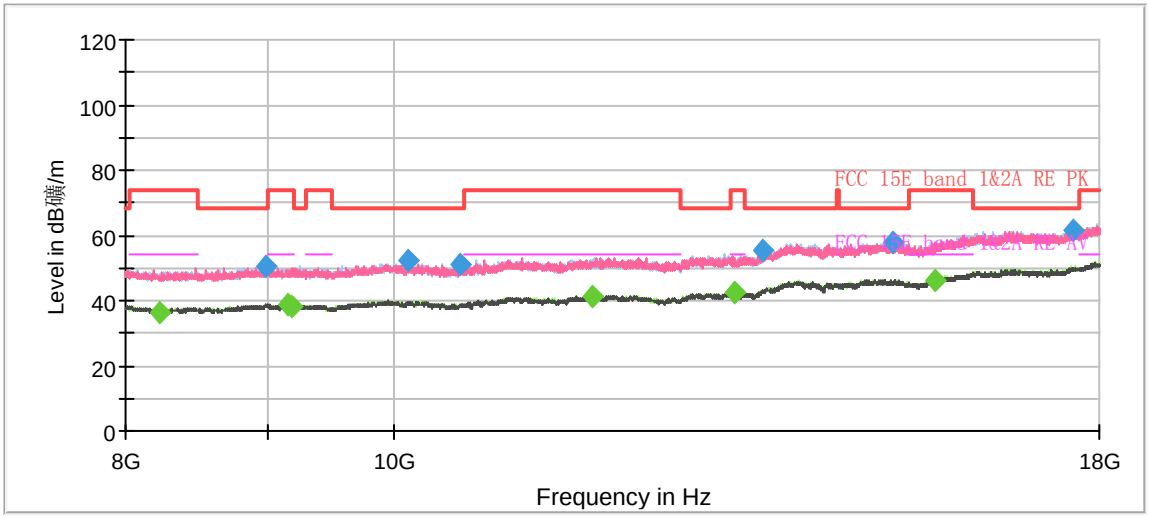


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1296.63	45.06	---	68.20	23.14	100.0	H	223.00	-8
1388.50	---	34.03	54.00	19.97	200.0	H	112.00	-7
1694.75	---	33.61	54.00	20.39	100.0	H	358.00	-6
1923.13	46.11	---	68.20	22.09	200.0	H	104.00	-5
2669.50	48.73	---	68.20	19.47	200.0	H	112.00	-3
2812.13	---	37.22	54.00	16.78	200.0	H	152.00	-3
3326.63	49.47	---	68.20	18.73	200.0	V	346.00	-3
3961.00	---	39.39	54.00	14.61	200.0	H	5.00	-1
4477.25	51.05	---	68.20	17.15	100.0	H	356.00	0
4941.88	---	41.71	54.00	12.29	100.0	H	268.00	2
6003.25	54.42	---	68.20	13.78	100.0	H	357.00	5
7436.50	---	45.68	54.00	8.32	100.0	H	358.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

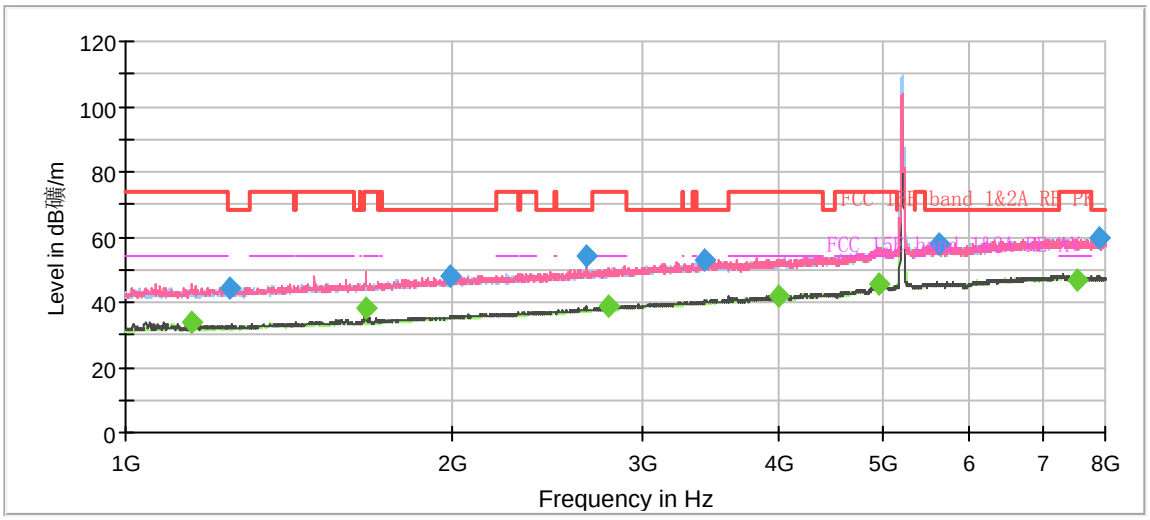


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8236.250000	---	36.45	54.00	17.55	200.0	H	0.0	-7.5
8997.500000	50.33	---	68.20	17.87	200.0	V	128.0	-6.8
9156.250000	---	38.76	54.00	15.24	100.0	V	334.0	-6.6
9191.250000	---	38.38	54.00	15.62	100.0	H	191.0	-6.5
10118.750000	52.13	---	68.20	16.07	200.0	V	275.0	-5.5
10573.750000	50.90	---	68.20	17.30	200.0	V	22.0	-4.9
11803.750000	---	41.27	54.00	12.73	200.0	V	148.0	-3.8
13282.500000	---	42.19	54.00	11.81	100.0	H	20.0	-2.1
13591.250000	55.39	---	68.20	12.81	100.0	H	229.0	-0.8
15151.250000	57.92	---	68.20	10.28	200.0	H	246.0	1.8
15706.250000	---	46.11	54.00	7.89	200.0	H	253.0	2.6
17621.250000	61.31	---	68.20	6.89	200.0	H	357.0	5.3

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH40

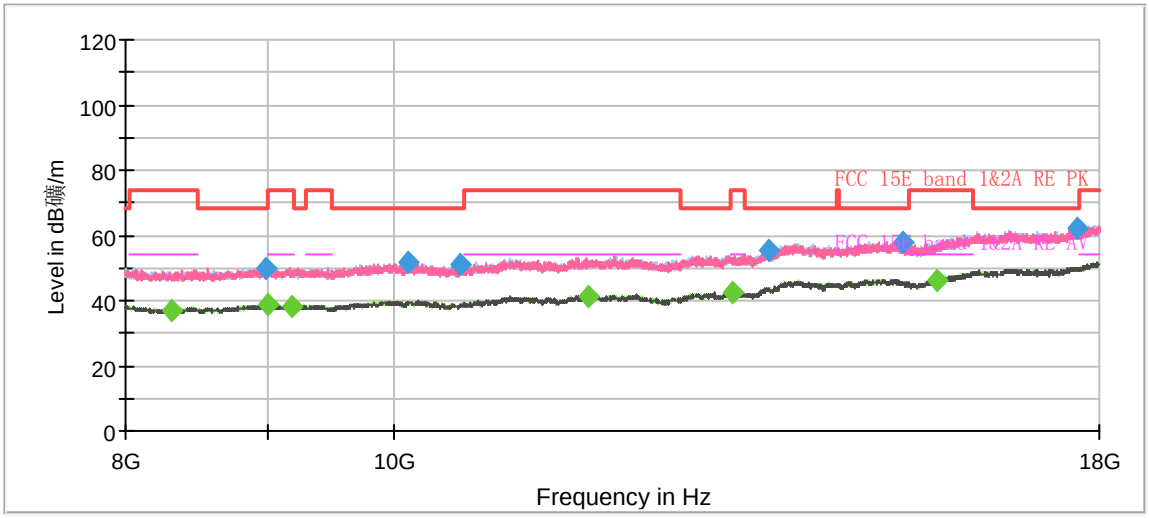


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1152.250000	---	33.93	54.00	20.07	100.0	V	126.0	-16.4
1248.500000	44.43	---	68.20	23.77	200.0	V	189.0	-16.0
1664.125000	---	37.89	54.00	16.11	100.0	V	109.0	-14.1
1991.375000	48.02	---	68.20	20.18	100.0	V	109.0	-12.6
2659.875000	54.42	---	68.20	13.78	100.0	V	166.0	-10.5
2781.500000	---	38.58	54.00	15.42	100.0	V	321.0	-10.0
3423.750000	52.90	---	68.20	15.30	100.0	H	307.0	-7.3
3994.250000	---	42.12	54.00	11.88	100.0	H	283.0	-5.4
4946.250000	---	45.53	54.00	8.47	100.0	V	7.0	-1.7
5624.375000	58.07	---	68.20	10.13	100.0	H	127.0	-0.3
7544.125000	---	46.78	54.00	7.22	100.0	H	340.0	2.4
7907.250000	59.80	---	68.20	8.40	200.0	V	286.0	2.5

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

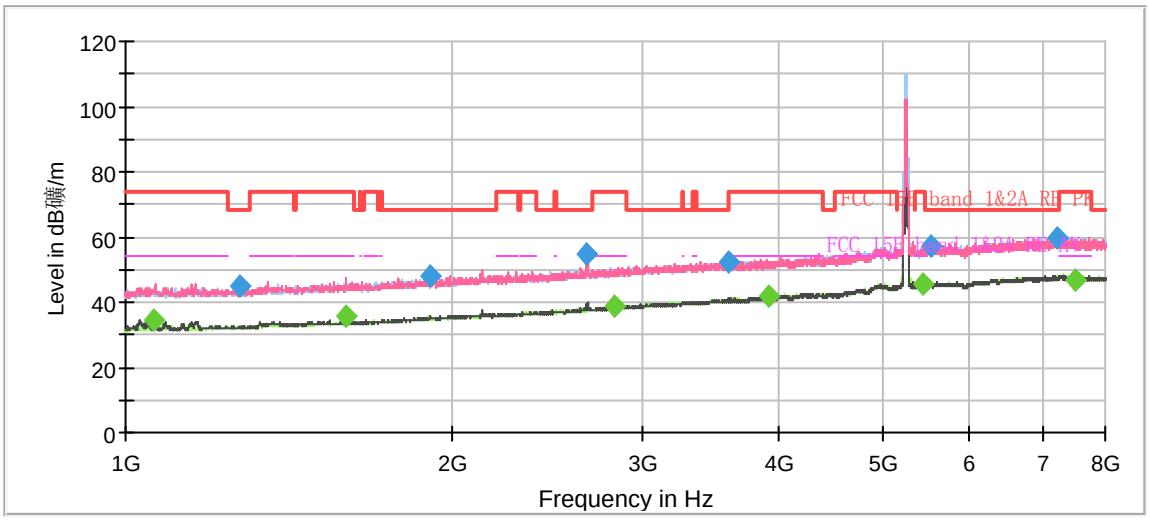


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8311.250000	---	36.80	54.00	17.20	200.0	H	191.0	-7.4
8985.000000	50.09	---	68.20	18.11	200.0	H	276.0	-6.8
9012.500000	---	38.65	54.00	15.35	200.0	V	83.0	-6.7
9193.750000	---	38.42	54.00	15.58	200.0	H	276.0	-6.5
10130.000000	51.87	---	68.20	16.33	200.0	V	0.0	-5.4
10567.500000	50.91	---	68.20	17.29	100.0	V	246.0	-4.9
11766.250000	---	41.30	54.00	12.70	100.0	V	78.0	-3.7
13258.750000	---	42.23	54.00	11.77	100.0	V	295.0	-2.2
13665.000000	55.22	---	68.20	12.98	200.0	V	13.0	-0.5
15278.750000	58.04	---	68.20	10.16	200.0	H	264.0	1.8
15723.750000	---	46.29	54.00	7.71	200.0	H	329.0	2.7
17667.500000	61.94	---	68.20	6.26	100.0	H	305.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH48

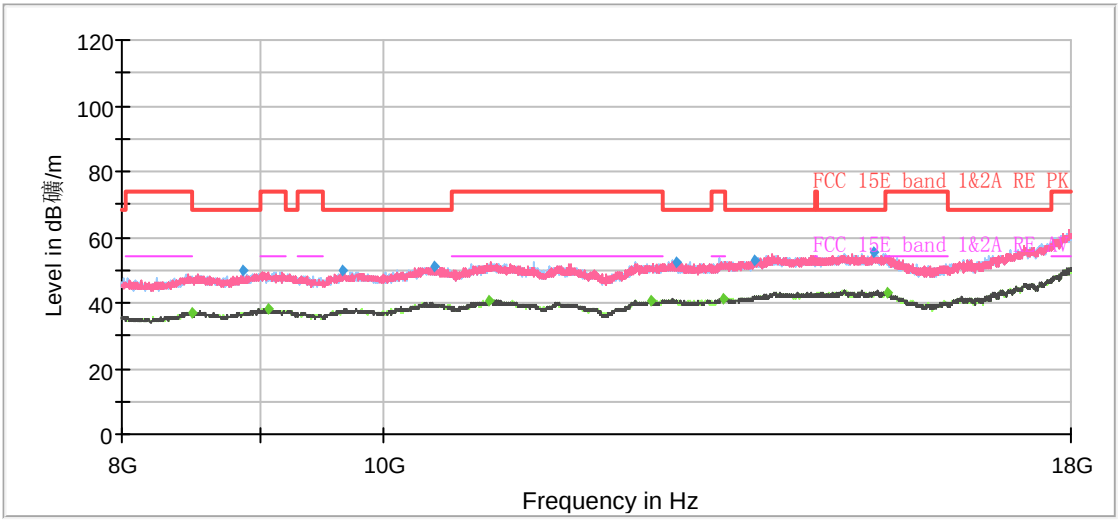


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1063.000000	---	34.64	54.00	19.36	100.0	V	270.0	-16.9
1273.000000	44.68	---	68.20	23.52	100.0	V	124.0	-15.9
1595.000000	---	35.45	54.00	18.55	100.0	V	78.0	-14.4
1912.625000	48.06	---	68.20	20.14	100.0	V	326.0	-13.0
2664.250000	55.05	---	68.20	13.15	100.0	V	32.0	-10.5
2825.250000	---	38.51	54.00	15.49	200.0	V	118.0	-9.8
3597.000000	52.38	---	68.20	15.82	100.0	H	213.0	-6.7
3917.250000	---	41.78	54.00	12.22	100.0	H	41.0	-5.9
5431.000000	---	45.63	54.00	8.37	100.0	V	0.0	-0.7
5527.250000	57.08	---	68.20	11.12	200.0	H	286.0	-0.4
7209.875000	59.40	---	68.20	8.80	100.0	V	342.0	2.7
7512.625000	---	46.79	54.00	7.21	200.0	H	0.0	2.4

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

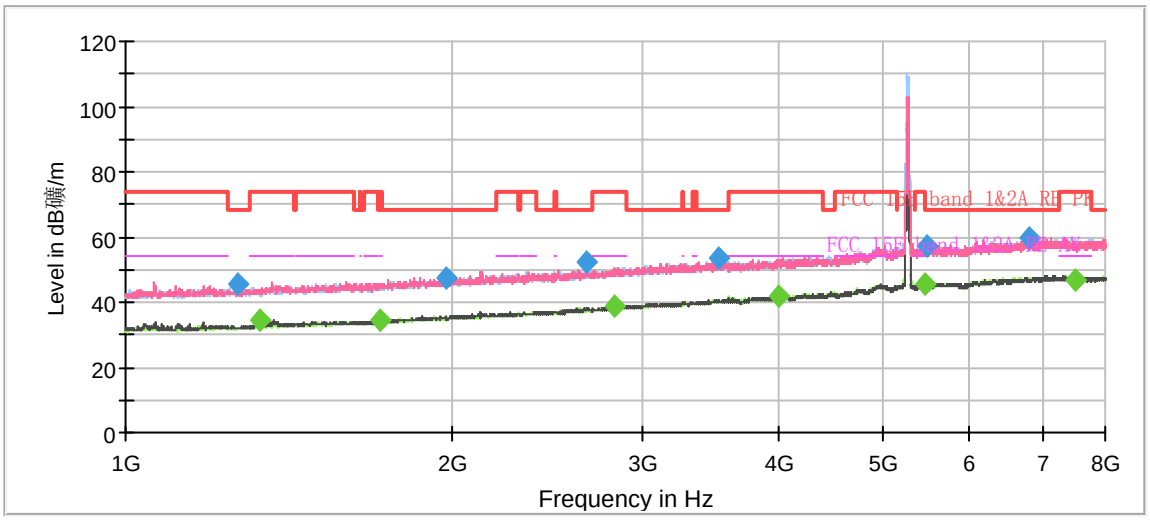


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8488.75	---	37.03	54.00	16.97	100.0	V	347.00	-2
8872.50	49.61	---	68.20	18.59	200.0	V	88.00	-3
9070.00	---	37.98	54.00	16.02	100.0	H	280.00	-2
9663.75	49.58	---	68.20	18.62	100.0	H	353.00	-2
10450.00	50.82	---	68.20	17.38	200.0	V	342.00	-1
10956.25	---	40.66	54.00	13.34	100.0	H	78.00	0
12582.50	---	40.42	54.00	13.58	100.0	V	63.00	2
12840.00	52.01	---	68.20	16.19	200.0	V	227.00	2
13373.75	---	41.18	54.00	12.82	100.0	V	90.00	3
13733.75	52.86	---	68.20	15.34	100.0	V	189.00	4
15201.25	55.19	---	68.20	13.01	200.0	V	106.00	4
15381.25	---	43.22	54.00	10.78	100.0	V	134.00	4

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH52

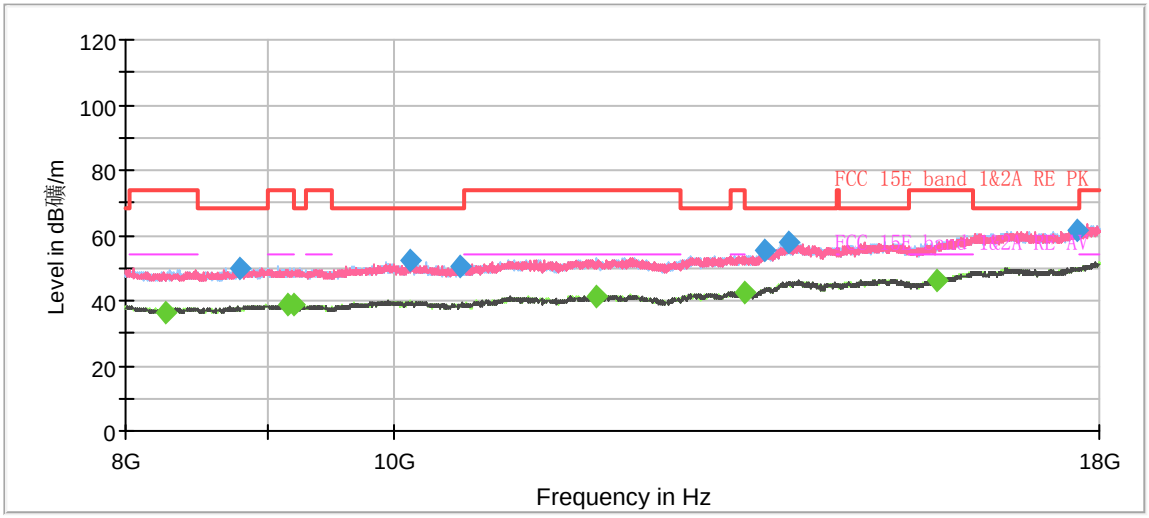


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1269.500000	45.27	---	68.20	22.93	200.0	V	0.0	-15.9
1331.625000	---	34.64	54.00	19.36	100.0	V	244.0	-15.6
1719.250000	---	34.53	54.00	19.47	200.0	V	7.0	-13.8
1975.625000	47.50	---	68.20	20.70	200.0	V	0.0	-12.7
2655.500000	52.27	---	68.20	15.93	100.0	V	219.0	-10.5
2822.625000	---	38.49	54.00	15.51	100.0	V	297.0	-9.8
3527.875000	53.38	---	68.20	14.82	200.0	H	163.0	-7.0
3998.625000	---	41.93	54.00	12.07	100.0	H	280.0	-5.4
5453.750000	---	45.51	54.00	8.49	200.0	H	172.0	-0.6
5475.625000	57.23	---	68.20	10.97	100.0	H	231.0	-0.5
6819.625000	59.58	---	68.20	8.62	100.0	V	98.0	2.3
7519.625000	---	46.80	54.00	7.20	200.0	H	34.0	2.4

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

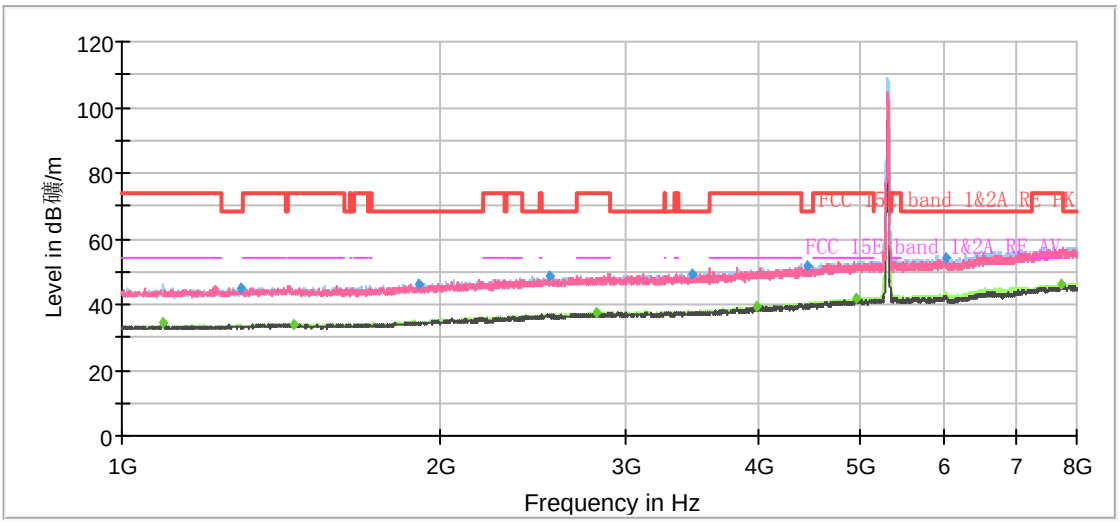


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8277.500000	---	36.39	54.00	17.61	100.0	H	235.0	-7.5
8797.500000	49.93	---	68.20	18.27	200.0	H	308.0	-7.0
9152.500000	---	38.58	54.00	15.42	100.0	H	235.0	-6.6
9196.250000	---	38.49	54.00	15.51	200.0	V	349.0	-6.5
10143.750000	52.43	---	68.20	15.77	200.0	V	172.0	-5.4
10572.500000	50.43	---	68.20	17.77	200.0	V	278.0	-4.9
11842.500000	---	41.27	54.00	12.73	100.0	H	32.0	-3.8
13391.250000	---	42.48	54.00	11.52	100.0	H	0.0	-1.8
13613.750000	55.60	---	68.20	12.60	200.0	V	172.0	-0.7
13905.000000	57.64	---	68.20	10.56	200.0	H	98.0	0.7
15712.500000	---	46.13	54.00	7.87	100.0	V	321.0	2.6
17677.500000	61.33	---	68.20	6.87	100.0	H	25.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH60

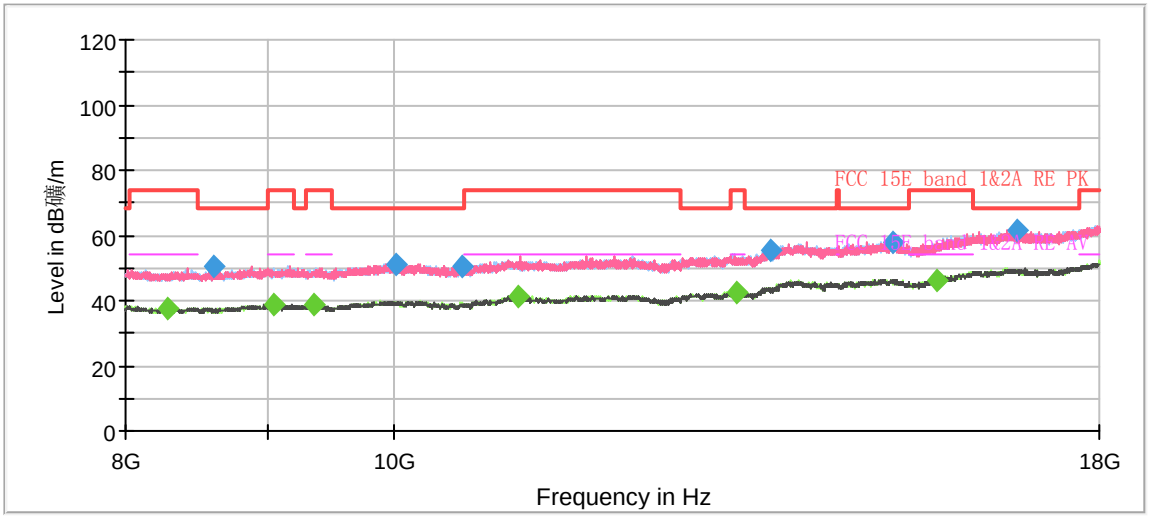


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1094.50	---	34.60	54.00	19.40	200.0	H	237.00	-9
1295.75	45.00	---	68.20	23.20	100.0	V	258.00	-8
1453.25	---	34.06	54.00	19.94	100.0	V	57.00	-7
1910.88	46.27	---	68.20	21.93	100.0	H	254.00	-5
2536.50	48.75	---	68.20	19.45	100.0	H	306.00	-4
2812.13	---	37.47	54.00	16.53	100.0	H	13.00	-3
3458.75	49.48	---	68.20	18.72	200.0	V	46.00	-3
3988.13	---	39.33	54.00	14.67	200.0	H	6.00	-1
4455.38	51.39	---	68.20	16.81	100.0	V	100.00	0
4946.25	---	41.75	54.00	12.25	100.0	H	297.00	2
6011.13	54.43	---	68.20	13.77	200.0	H	4.00	5
7727.88	---	46.01	54.00	7.99	100.0	H	354.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

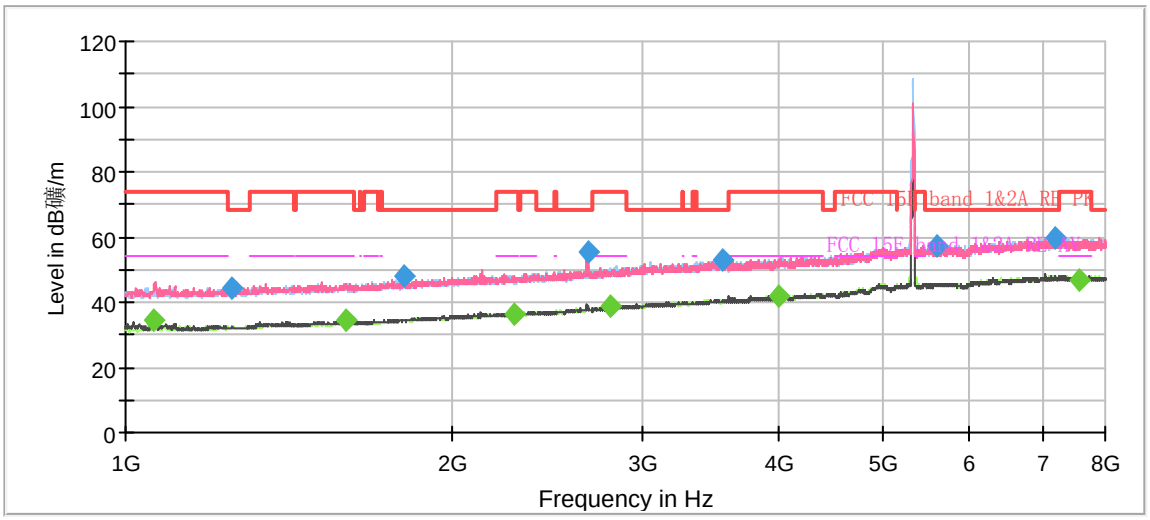


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8287.500000	---	37.29	54.00	16.71	200.0	H	55.0	-7.5
8606.250000	50.46	---	68.20	17.74	100.0	V	323.0	-7.2
9047.500000	---	38.69	54.00	15.31	200.0	V	65.0	-6.6
9362.500000	---	38.49	54.00	15.51	100.0	H	22.0	-5.9
10020.000000	51.36	---	68.20	16.84	100.0	H	205.0	-5.4
10592.500000	50.55	---	68.20	17.65	100.0	V	281.0	-4.8
11086.250000	---	41.26	54.00	12.74	200.0	V	200.0	-4.5
13298.750000	---	42.42	54.00	11.58	200.0	H	270.0	-2.0
13692.500000	55.57	---	68.20	12.63	100.0	H	55.0	-0.4
15153.750000	57.95	---	68.20	10.25	100.0	V	218.0	1.8
15712.500000	---	46.17	54.00	7.83	200.0	H	305.0	2.6
16823.750000	61.58	---	68.20	6.62	100.0	V	0.0	5.4

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH64

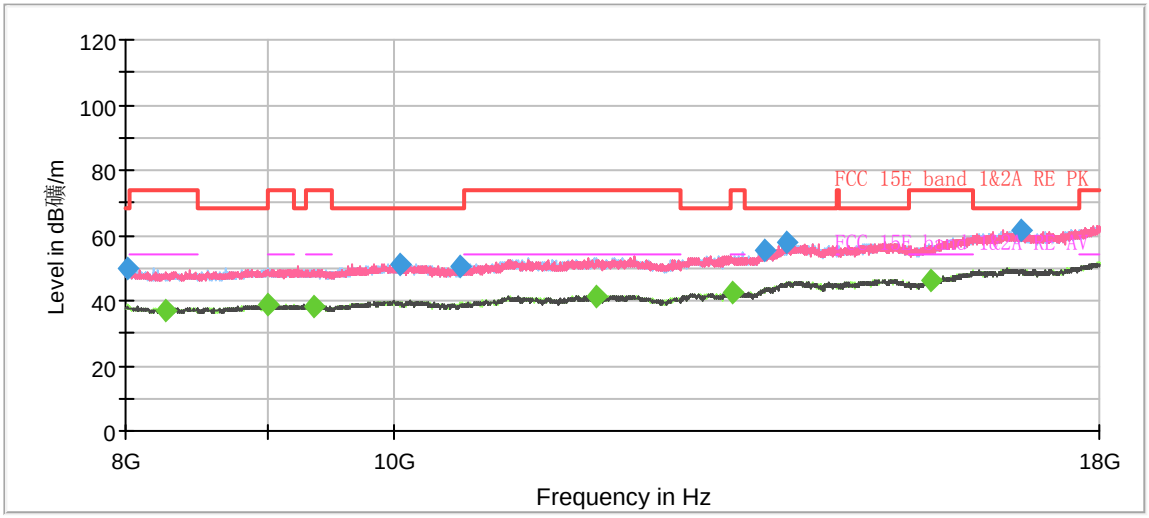


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1063.000000	---	34.73	54.00	19.27	100.0	V	278.0	-16.9
1254.625000	44.38	---	68.20	23.82	100.0	V	245.0	-16.0
1596.750000	---	34.64	54.00	19.36	100.0	V	80.0	-14.4
1807.625000	47.89	---	68.20	20.31	200.0	V	289.0	-13.4
2282.750000	---	36.17	54.00	17.83	200.0	H	336.0	-11.8
2666.875000	55.59	---	68.20	12.61	100.0	V	80.0	-10.5
2793.750000	---	38.47	54.00	15.53	200.0	H	353.0	-9.9
3548.000000	52.70	---	68.20	15.50	100.0	V	27.0	-7.0
3995.125000	---	41.82	54.00	12.18	100.0	V	64.0	-5.4
5601.625000	57.28	---	68.20	10.92	100.0	H	133.0	-0.4
7187.125000	59.59	---	68.20	8.61	100.0	H	223.0	2.7
7572.125000	---	46.71	54.00	7.29	200.0	V	257.0	2.4

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

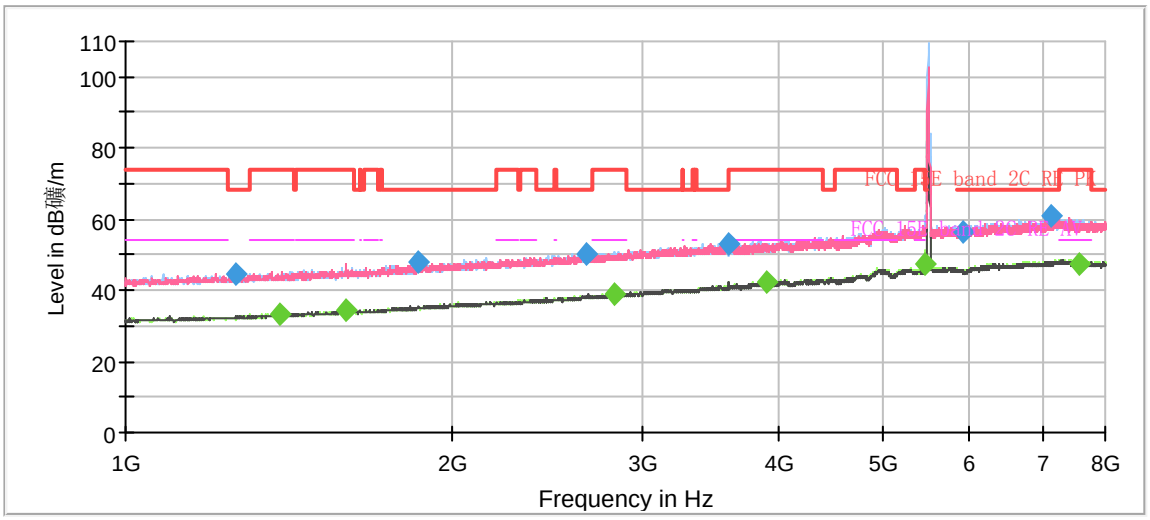


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8013.750000	49.65	---	68.20	18.55	100.0	V	239.0	-7.5
8268.750000	---	36.79	54.00	17.21	200.0	H	315.0	-7.5
9000.000000	---	38.61	54.00	15.39	100.0	V	27.0	-6.8
9358.750000	---	38.35	54.00	15.65	100.0	H	11.0	-5.9
10050.000000	51.22	---	68.20	16.98	200.0	V	136.0	-5.5
10575.000000	50.70	---	68.20	17.50	100.0	H	129.0	-4.9
11843.750000	---	41.35	54.00	12.65	100.0	V	226.0	-3.8
13255.000000	---	42.57	54.00	11.43	100.0	H	277.0	-2.2
13628.750000	55.23	---	68.20	12.97	200.0	H	181.0	-0.6
13880.000000	58.01	---	68.20	10.19	200.0	H	315.0	0.6
15636.250000	---	46.22	54.00	7.78	100.0	H	143.0	2.2
16867.500000	61.71	---	68.20	6.49	100.0	H	199.0	5.3

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH100

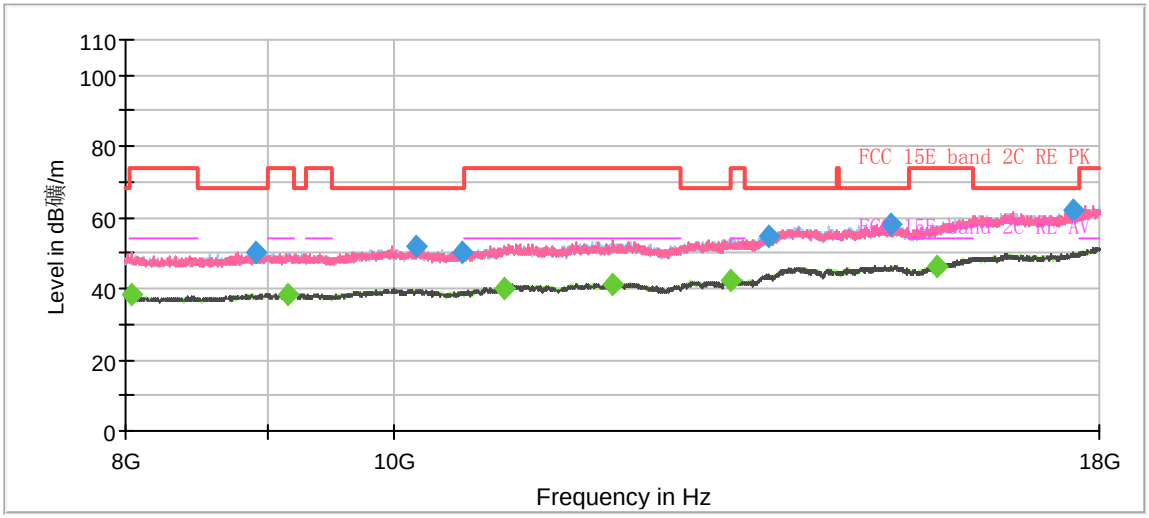


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1262.500000	44.28	---	68.20	23.92	100.0	V	258.0	-16.0
1388.500000	---	33.31	54.00	20.69	200.0	V	189.0	-15.4
1595.000000	---	34.52	54.00	19.48	200.0	V	67.0	-14.4
1859.250000	47.68	---	68.20	20.52	200.0	H	280.0	-13.2
2661.625000	50.45	---	68.20	17.75	200.0	V	14.0	-10.5
2824.375000	---	38.75	54.00	15.25	100.0	V	340.0	-9.8
3597.000000	53.19	---	68.20	15.01	200.0	H	215.0	-6.7
3895.375000	---	42.32	54.00	11.68	200.0	V	273.0	-5.9
5459.875000	---	47.22	54.00	6.78	200.0	H	125.0	-0.6
5927.125000	56.34	---	68.20	11.86	200.0	H	231.0	-0.5
7137.250000	60.70	---	68.20	7.50	100.0	H	1.0	2.5
7553.750000	---	47.33	54.00	6.67	100.0	H	80.0	2.4

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

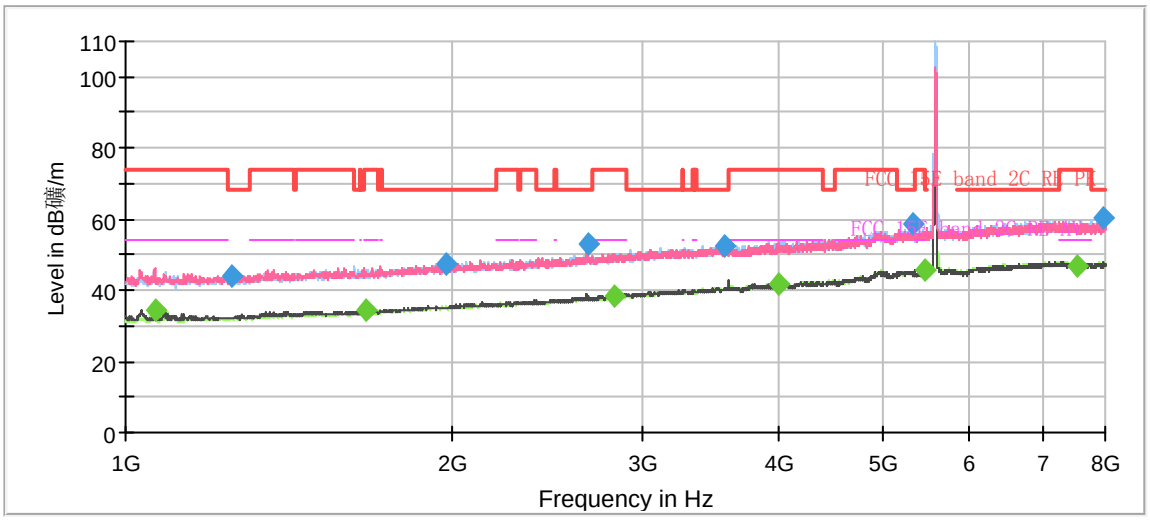


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8045.000000	---	38.44	54.00	15.56	100.0	V	303.0	-7.5
8921.250000	50.13	---	68.20	18.07	200.0	H	329.0	-6.9
9161.250000	---	38.40	54.00	15.60	200.0	H	350.0	-6.6
10188.750000	51.77	---	68.20	16.43	200.0	V	303.0	-5.3
10580.000000	50.32	---	68.20	17.88	100.0	H	143.0	-4.8
10958.750000	---	40.02	54.00	13.98	100.0	H	101.0	-4.9
11997.500000	---	41.37	54.00	12.63	100.0	V	324.0	-3.8
13252.500000	---	42.51	54.00	11.49	200.0	V	29.0	-2.2
13667.500000	54.97	---	68.20	13.23	200.0	V	113.0	-0.5
15132.500000	58.30	---	68.20	9.90	200.0	H	323.0	1.7
15717.500000	---	46.50	54.00	7.50	200.0	V	0.0	2.7
17621.250000	62.16	---	68.20	6.04	100.0	H	66.0	5.3

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH116

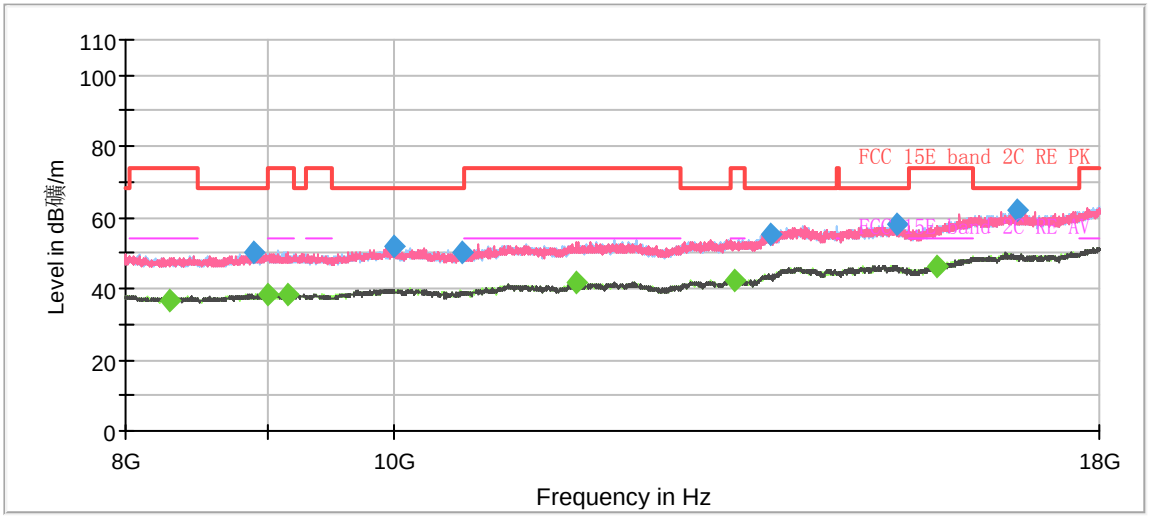


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1063.875000	---	34.42	54.00	19.58	100.0	V	112.0	-16.9
1254.625000	44.27	---	68.20	23.93	100.0	V	64.0	-16.0
1663.250000	---	34.25	54.00	19.75	200.0	V	233.0	-14.1
1971.250000	47.58	---	68.20	20.62	100.0	H	156.0	-12.7
2666.875000	53.16	---	68.20	15.04	100.0	V	72.0	-10.5
2824.375000	---	38.56	54.00	15.44	200.0	V	192.0	-9.8
3560.250000	52.60	---	68.20	15.60	200.0	H	33.0	-7.0
3993.375000	---	41.76	54.00	12.24	200.0	H	25.0	-5.4
5324.250000	58.89	---	68.20	9.31	100.0	V	16.0	-1.1
5455.500000	---	45.51	54.00	8.49	100.0	H	326.0	-0.6
7528.375000	---	46.91	54.00	7.09	200.0	H	58.0	2.4
7950.125000	60.12	---	68.20	8.08	100.0	V	266.0	2.5

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

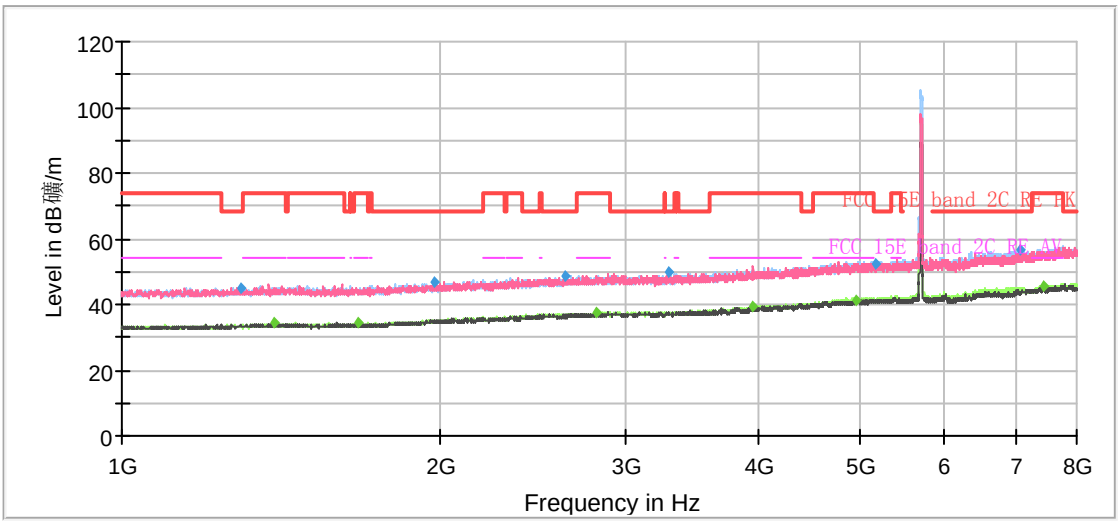


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8295.000000	---	36.77	54.00	17.23	200.0	H	212.0	-7.5
8902.500000	50.00	---	68.20	18.20	100.0	V	292.0	-6.9
9006.250000	---	38.62	54.00	15.38	200.0	H	351.0	-6.7
9165.000000	---	38.45	54.00	15.55	100.0	H	11.0	-6.6
10002.500000	51.76	---	68.20	16.44	100.0	H	59.0	-5.4
10580.000000	50.44	---	68.20	17.76	200.0	V	3.0	-4.8
11651.250000	---	41.48	54.00	12.52	200.0	H	235.0	-3.4
13281.250000	---	42.38	54.00	11.62	200.0	H	120.0	-2.1
13682.500000	55.26	---	68.20	12.94	200.0	H	148.0	-0.4
15213.750000	58.12	---	68.20	10.08	100.0	H	0.0	1.8
15722.500000	---	46.33	54.00	7.67	200.0	H	302.0	2.7
16807.500000	61.85	---	68.20	6.35	200.0	H	155.0	5.4

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH140

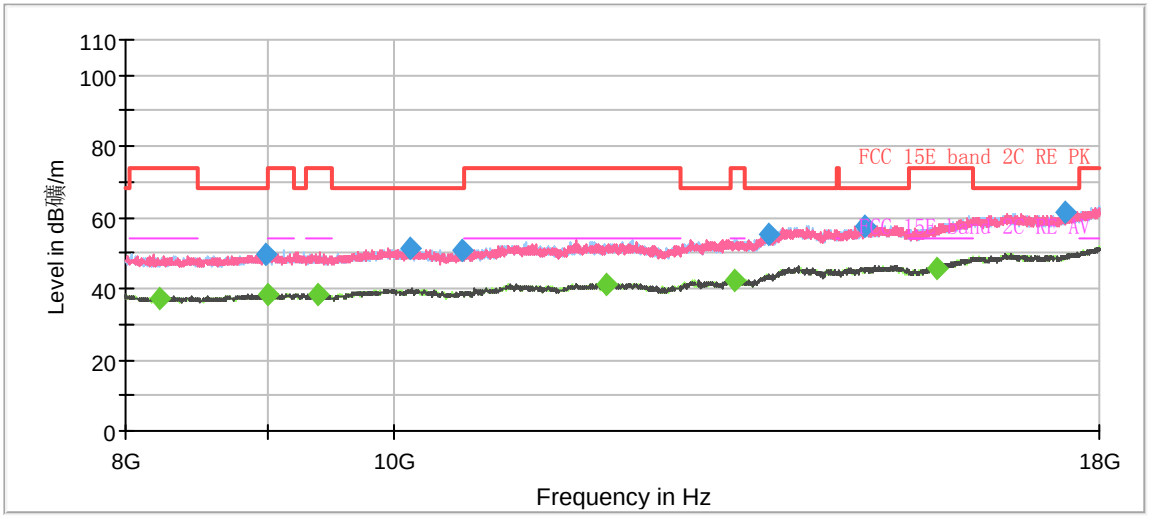


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1294.88	45.11	---	68.20	23.09	200.0	V	251.00	-8
1392.00	---	34.27	54.00	19.73	200.0	V	335.00	-7
1669.38	---	34.47	54.00	19.53	100.0	H	303.00	-6
1976.50	46.46	---	68.20	21.74	200.0	V	188.00	-5
2630.13	48.81	---	68.20	19.39	100.0	H	358.00	-4
2811.25	---	37.58	54.00	16.42	200.0	H	348.00	-3
3296.00	49.97	---	68.20	18.23	200.0	V	359.00	-3
3953.13	---	39.37	54.00	14.63	100.0	H	343.00	-1
4944.50	---	41.48	54.00	12.52	100.0	H	337.00	2
5164.13	52.47	---	68.20	15.73	100.0	H	357.00	2
7061.13	56.88	---	68.20	11.32	100.0	H	294.00	7
7442.63	---	45.37	54.00	8.63	100.0	H	348.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

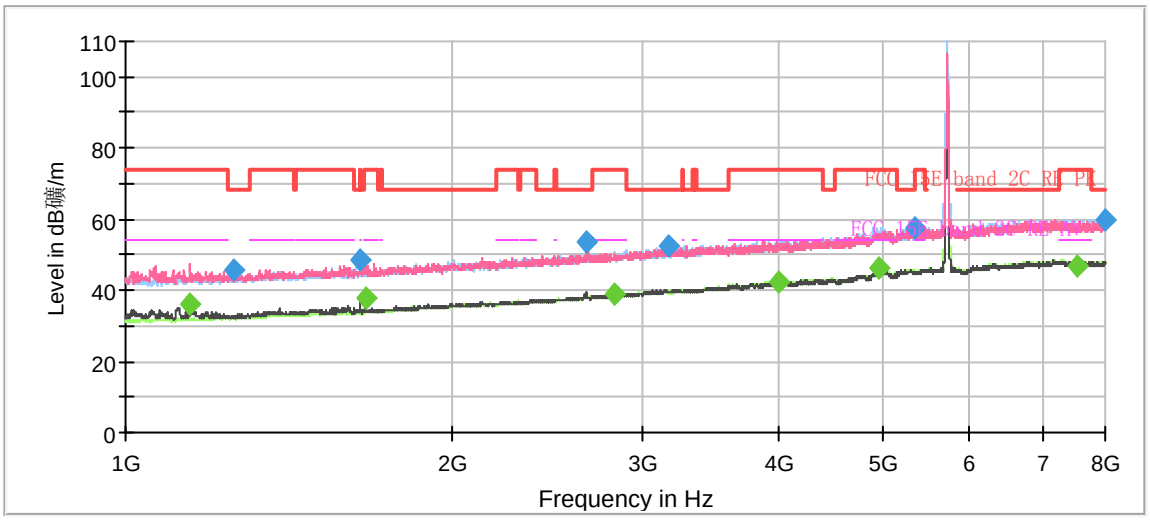


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8236.250000	---	37.10	54.00	16.90	100.0	H	24.0	-7.5
8987.500000	49.90	---	68.20	18.30	200.0	H	91.0	-6.8
9008.750000	---	38.52	54.00	15.48	200.0	H	154.0	-6.7
9391.250000	---	38.28	54.00	15.72	100.0	V	85.0	-5.8
10135.000000	51.48	---	68.20	16.72	100.0	H	116.0	-5.4
10592.500000	51.04	---	68.20	17.16	100.0	H	285.0	-4.8
11936.250000	---	41.24	54.00	12.76	200.0	V	129.0	-3.8
13280.000000	---	42.44	54.00	11.56	200.0	H	211.0	-2.1
13661.250000	55.28	---	68.20	12.92	100.0	V	169.0	-0.5
14820.000000	57.80	---	68.20	10.40	200.0	V	262.0	1.8
15720.000000	---	45.96	54.00	8.04	200.0	V	298.0	2.7
17508.750000	61.55	---	68.20	6.65	200.0	H	351.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH144

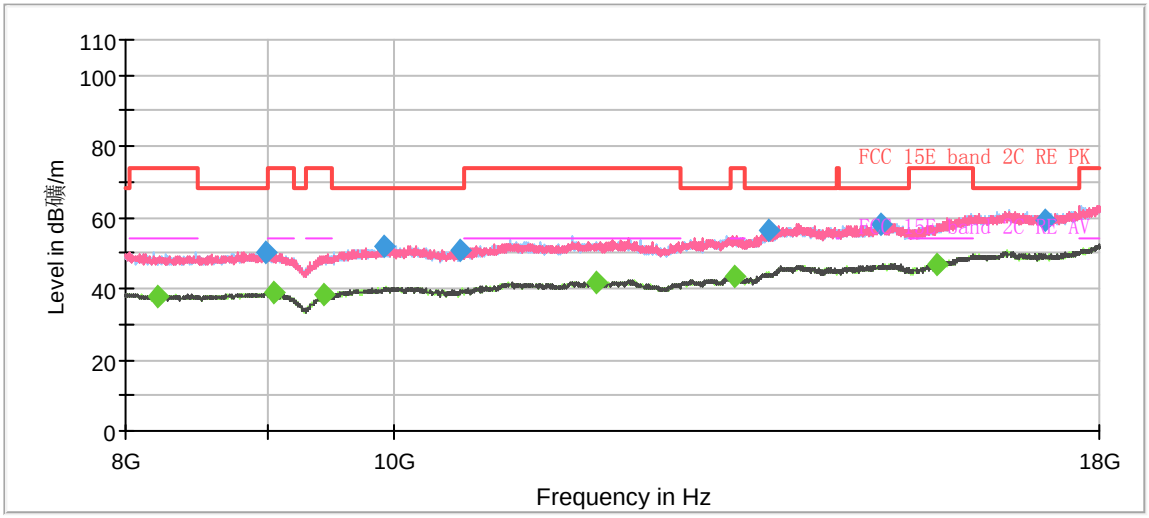


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1147.000000	---	36.27	54.00	17.73	200.0	V	75.0	-16.4
1259.000000	45.79	---	68.20	22.41	200.0	V	83.0	-16.0
1644.875000	48.30	---	68.20	19.90	200.0	V	67.0	-14.2
1665.000000	---	37.99	54.00	16.01	200.0	V	59.0	-14.1
2662.500000	53.57	---	68.20	14.63	200.0	V	230.0	-10.5
2821.750000	---	38.68	54.00	15.32	200.0	V	14.0	-9.8
3168.250000	52.50	---	68.20	15.70	100.0	V	20.0	-8.2
3997.750000	---	42.24	54.00	11.76	100.0	H	89.0	-5.4
4956.750000	---	46.12	54.00	7.88	200.0	H	320.0	-1.6
5332.125000	57.81	---	68.20	10.39	200.0	V	51.0	-1.2
7547.625000	---	46.80	54.00	7.20	200.0	V	332.0	2.4
7984.250000	59.76	---	68.20	8.44	200.0	H	280.0	2.5

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

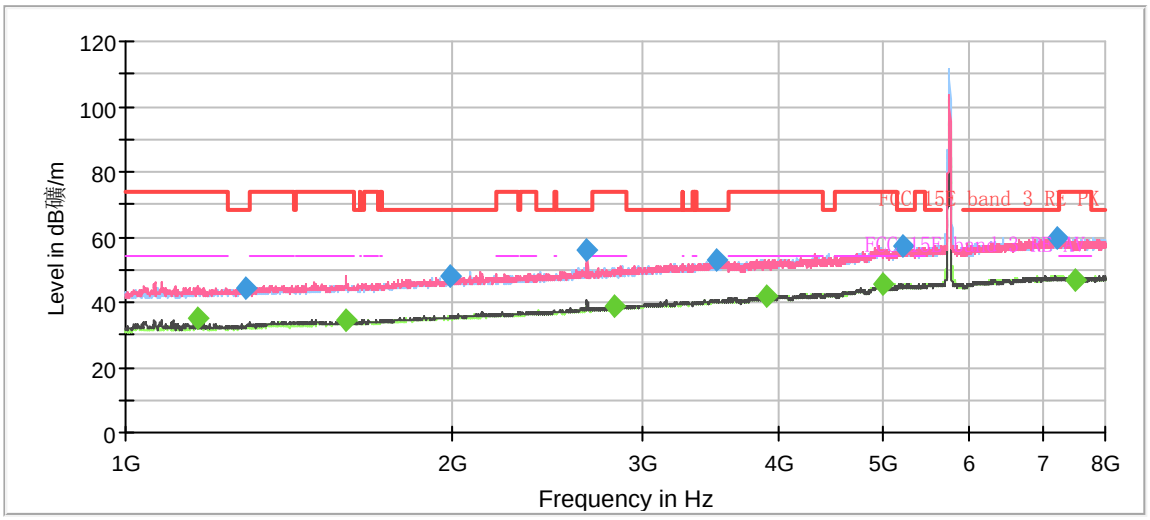


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8220.000000	---	37.94	54.00	16.06	200.0	V	1.0	-7.5
8992.500000	50.29	---	68.20	17.91	100.0	V	268.0	-6.8
9053.750000	---	38.73	54.00	15.27	200.0	V	1.0	-6.6
9432.500000	---	38.27	54.00	15.73	100.0	H	63.0	-5.8
9922.500000	52.00	---	68.20	16.20	200.0	H	358.0	-5.3
10575.000000	51.04	---	68.20	17.16	200.0	H	337.0	-4.9
11833.750000	---	41.91	54.00	12.09	200.0	H	323.0	-3.8
13281.250000	---	43.28	54.00	10.72	100.0	V	184.0	-2.1
13660.000000	56.28	---	68.20	11.92	100.0	H	200.0	-0.5
15015.000000	58.38	---	68.20	9.82	100.0	V	212.0	1.5
15717.500000	---	46.74	54.00	7.26	200.0	H	352.0	2.7
17203.750000	58.97	---	68.20	9.23	200.0	H	309.0	5.1

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH149

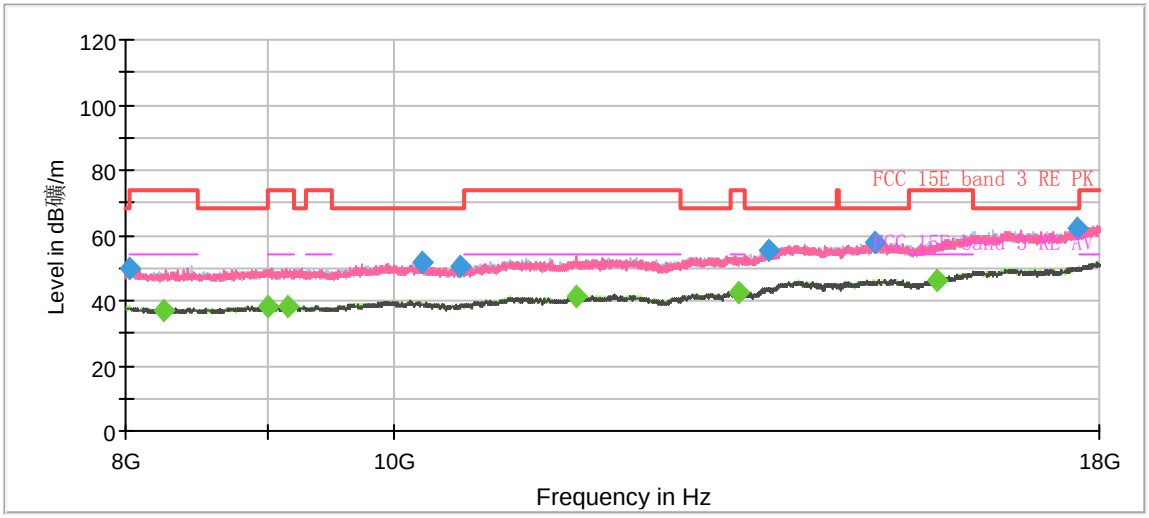


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1164.500000	---	35.12	54.00	18.88	100.0	V	118.0	-16.4
1291.375000	44.10	---	68.20	24.10	200.0	H	58.0	-15.8
1596.750000	---	34.62	54.00	19.38	100.0	V	102.0	-14.4
1995.750000	47.95	---	68.20	20.25	100.0	V	86.0	-12.6
2664.250000	56.30	---	68.20	11.90	100.0	V	70.0	-10.5
2826.125000	---	38.72	54.00	15.28	100.0	V	220.0	-9.8
3500.750000	52.84	---	68.20	15.36	200.0	H	18.0	-7.1
3895.375000	---	41.90	54.00	12.10	200.0	H	83.0	-5.9
4984.750000	---	45.55	54.00	8.45	100.0	V	328.0	-1.5
5203.500000	57.26	---	68.20	10.94	200.0	V	319.0	-1.4
7230.875000	59.96	---	68.20	8.24	100.0	V	46.0	2.8
7504.750000	---	46.78	54.00	7.22	200.0	H	50.0	2.4

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

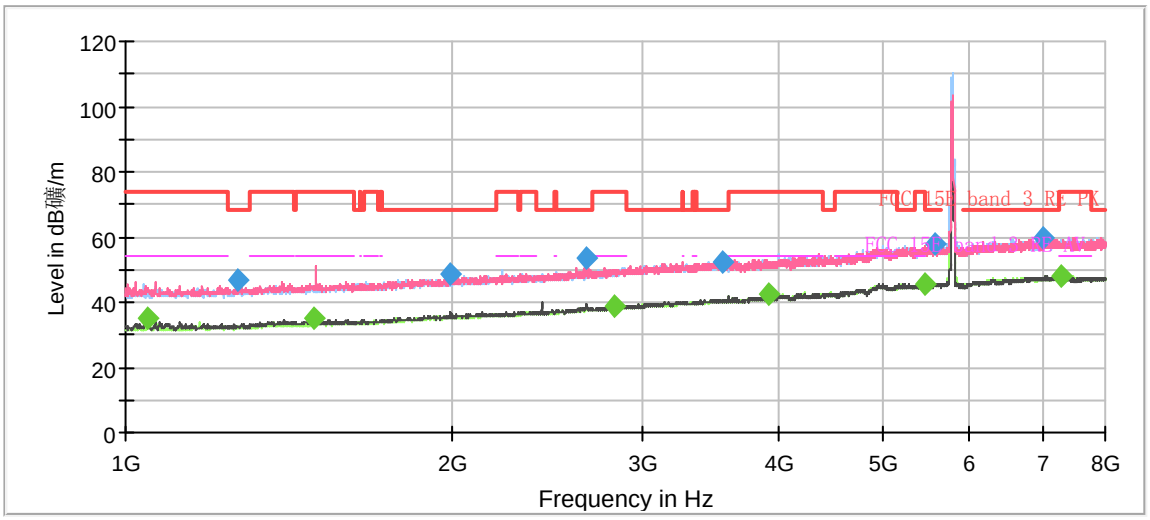


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8023.750000	49.60	---	68.20	18.60	200.0	H	225.0	-7.5
8263.750000	---	36.91	54.00	17.09	200.0	H	204.0	-7.5
9012.500000	---	38.41	54.00	15.59	100.0	H	284.0	-6.7
9161.250000	---	38.21	54.00	15.79	100.0	H	9.0	-6.6
10233.750000	51.68	---	68.20	16.52	200.0	H	169.0	-5.3
10577.500000	50.20	---	68.20	18.00	200.0	V	0.0	-4.8
11641.250000	---	41.42	54.00	12.58	100.0	H	79.0	-3.4
13340.000000	---	42.50	54.00	11.50	100.0	H	37.0	-1.9
13663.750000	55.53	---	68.20	12.67	100.0	H	107.0	-0.5
14925.000000	57.66	---	68.20	10.54	100.0	V	260.0	1.7
15712.500000	---	46.39	54.00	7.61	200.0	H	218.0	2.6
17683.750000	62.03	---	68.20	6.17	200.0	H	141.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH157

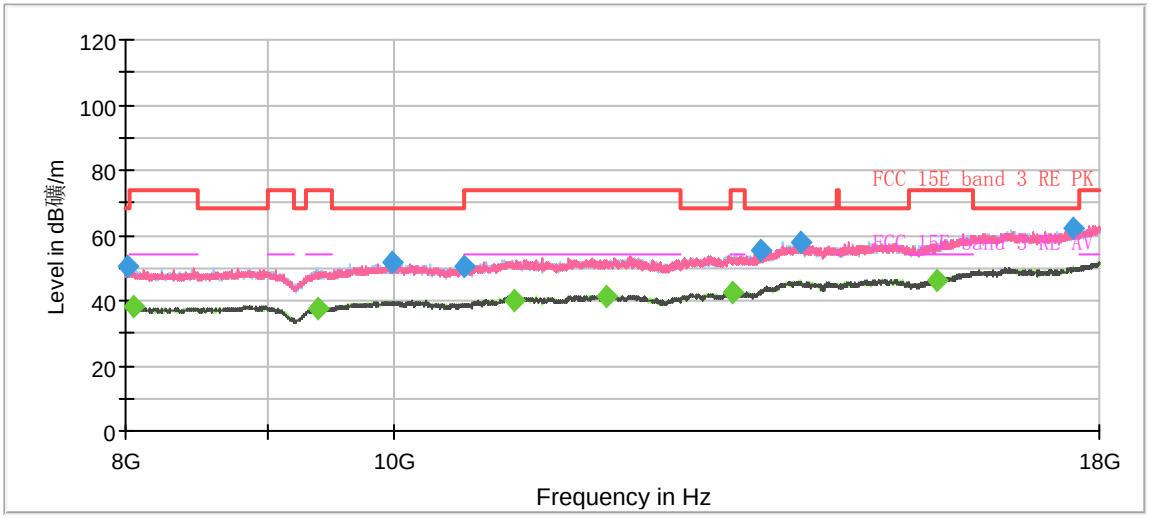


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1046.375000	---	34.93	54.00	19.07	100.0	V	236.0	-16.9
1269.500000	46.63	---	68.20	21.57	100.0	V	78.0	-15.9
1491.750000	---	35.14	54.00	18.86	100.0	V	69.0	-14.9
1991.375000	48.82	---	68.20	19.38	100.0	V	85.0	-12.6
2663.375000	53.58	---	68.20	14.62	100.0	V	85.0	-10.5
2821.750000	---	38.61	54.00	15.39	200.0	H	97.0	-9.8
3558.500000	52.47	---	68.20	15.73	200.0	H	105.0	-7.0
3911.125000	---	42.43	54.00	11.57	100.0	V	101.0	-5.9
5450.250000	---	45.61	54.00	8.39	200.0	H	2.0	-0.6
5565.750000	57.68	---	68.20	10.52	200.0	V	345.0	-0.4
7008.625000	59.91	---	68.20	8.29	100.0	V	244.0	2.2
7295.625000	---	47.99	54.00	6.01	100.0	V	61.0	2.9

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

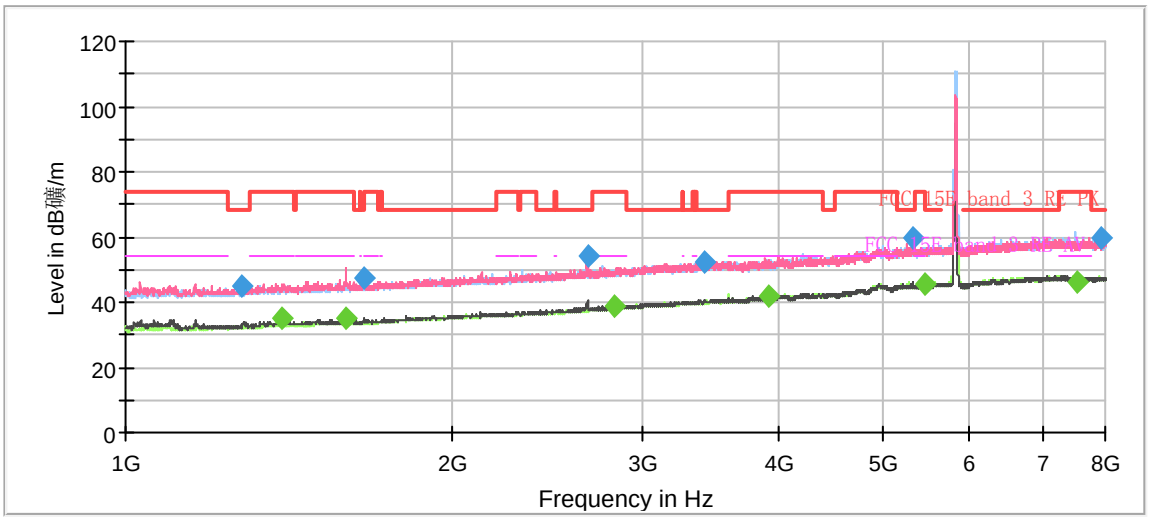


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8012.500000	50.28	---	68.20	17.92	200.0	H	254.0	-7.5
8050.000000	---	37.96	54.00	16.04	200.0	H	275.0	-7.5
9385.000000	---	37.83	54.00	16.17	100.0	H	242.0	-5.8
9987.500000	51.55	---	68.20	16.65	200.0	H	106.0	-5.4
10597.500000	50.35	---	68.20	17.85	100.0	V	260.0	-4.8
11055.000000	---	39.82	54.00	14.18	100.0	V	162.0	-4.6
11942.500000	---	41.38	54.00	12.62	100.0	V	316.0	-3.8
13255.000000	---	42.42	54.00	11.58	200.0	H	345.0	-2.2
13587.500000	55.11	---	68.20	13.09	100.0	H	278.0	-0.8
14026.250000	57.96	---	68.20	10.24	100.0	H	292.0	0.7
15713.750000	---	46.18	54.00	7.82	200.0	V	79.0	2.6
17617.500000	61.85	---	68.20	6.35	200.0	V	114.0	5.3

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH165

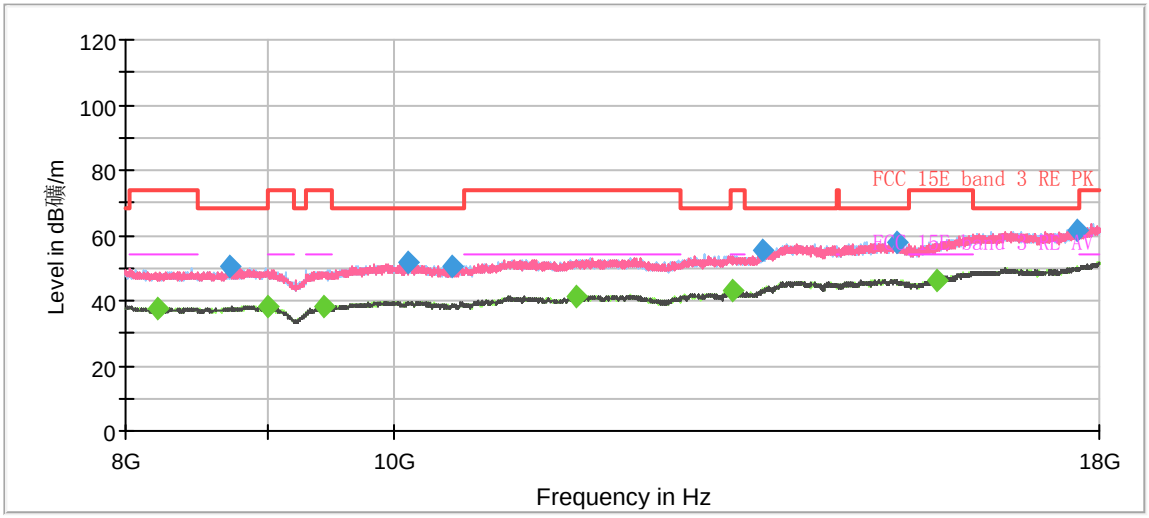


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1280.000000	44.87	---	68.20	23.33	100.0	V	136.0	-15.9
1393.750000	---	35.33	54.00	18.67	100.0	V	136.0	-15.4
1594.125000	---	35.20	54.00	18.80	200.0	V	69.0	-14.4
1659.750000	47.56	---	68.20	20.64	200.0	V	53.0	-14.1
2665.125000	54.05	---	68.20	14.15	200.0	V	353.0	-10.5
2820.875000	---	38.82	54.00	15.18	100.0	V	128.0	-9.8
3424.625000	52.55	---	68.20	15.65	100.0	V	294.0	-7.3
3915.500000	---	42.14	54.00	11.86	200.0	V	208.0	-5.9
5310.250000	59.50	---	68.20	8.70	200.0	V	248.0	-1.1
5454.625000	---	45.66	54.00	8.34	100.0	V	104.0	-0.6
7547.625000	---	46.42	54.00	7.58	100.0	V	39.0	2.4
7939.625000	59.83	---	68.20	8.37	200.0	V	45.0	2.5

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

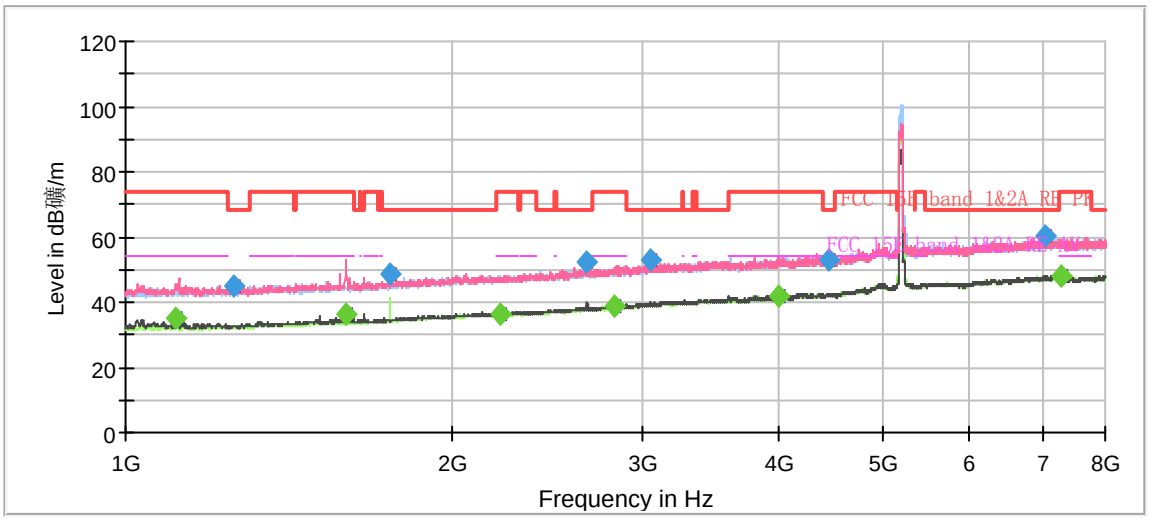


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8218.750000	---	37.47	54.00	16.53	200.0	V	165.0	-7.5
8727.500000	50.22	---	68.20	17.98	200.0	V	200.0	-7.1
9001.250000	---	38.00	54.00	16.00	100.0	V	314.0	-6.7
9442.500000	---	38.06	54.00	15.94	100.0	H	193.0	-5.8
10125.000000	51.39	---	68.20	16.81	200.0	V	53.0	-5.4
10496.250000	50.64	---	68.20	17.56	100.0	H	102.0	-5.2
11653.750000	---	41.29	54.00	12.71	200.0	V	8.0	-3.4
13255.000000	---	42.78	54.00	11.22	100.0	H	11.0	-2.2
13595.000000	55.64	---	68.20	12.56	200.0	H	134.0	-0.8
15205.000000	57.92	---	68.20	10.28	200.0	H	225.0	1.8
15722.500000	---	46.42	54.00	7.58	200.0	H	5.0	2.7
17685.000000	61.34	---	68.20	6.86	200.0	H	127.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH38

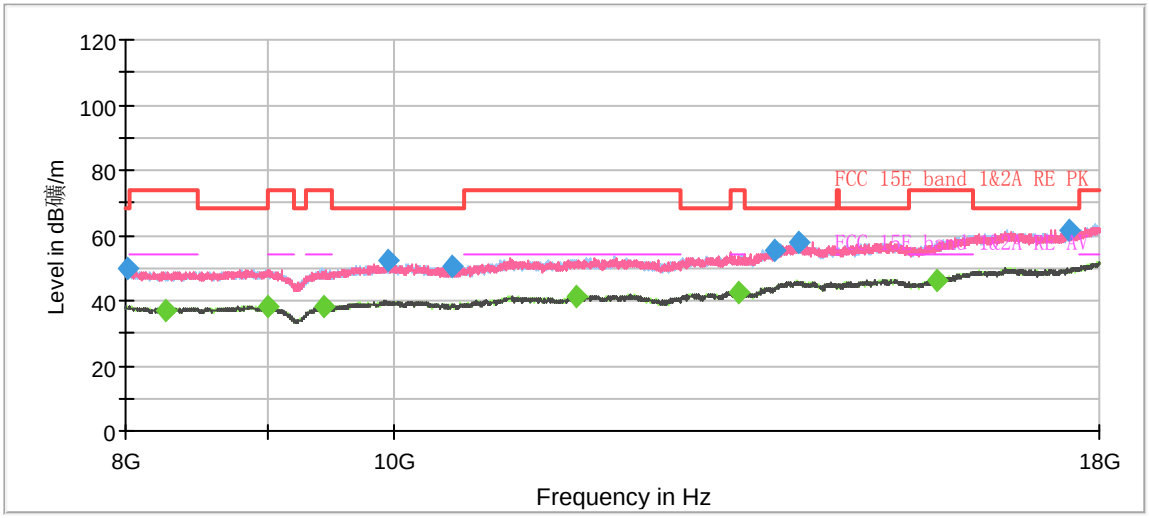


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1112.875000	---	35.34	54.00	18.66	200.0	V	107.0	-16.6
1255.500000	44.64	---	68.20	23.56	200.0	V	83.0	-16.0
1597.625000	---	36.57	54.00	17.43	200.0	V	99.0	-14.4
1754.250000	48.60	---	68.20	19.60	100.0	H	0.0	-13.6
2213.625000	---	36.50	54.00	17.50	200.0	H	65.0	-12.0
2664.250000	52.20	---	68.20	16.00	200.0	V	155.0	-10.5
2823.500000	---	38.68	54.00	15.32	100.0	H	330.0	-9.8
3047.500000	52.64	---	68.20	15.56	100.0	H	355.0	-8.7
3998.625000	---	41.98	54.00	12.02	100.0	H	355.0	-5.4
4444.000000	52.97	---	68.20	15.23	100.0	H	193.0	-4.2
7051.500000	60.25	---	68.20	7.95	100.0	V	134.0	2.4
7283.375000	---	47.85	54.00	6.15	200.0	V	0.0	2.9

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

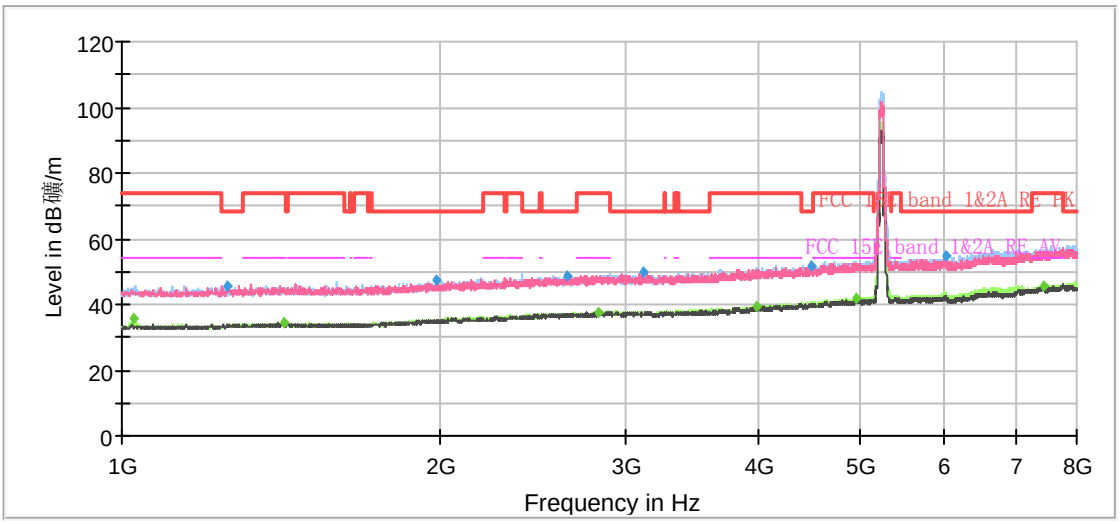


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8010.000000	49.70	---	68.20	18.50	100.0	H	61.0	-7.5
8270.000000	---	36.89	54.00	17.11	200.0	H	85.0	-7.5
9000.000000	---	38.09	54.00	15.91	200.0	H	119.0	-6.8
9435.000000	---	37.87	54.00	16.13	200.0	H	98.0	-5.8
9957.500000	52.34	---	68.20	15.86	100.0	H	68.0	-5.3
10500.000000	50.27	---	68.20	17.93	200.0	V	112.0	-5.2
11653.750000	---	41.23	54.00	12.77	200.0	H	78.0	-3.4
13326.250000	---	42.45	54.00	11.55	200.0	H	350.0	-2.0
13732.500000	55.30	---	68.20	12.90	200.0	H	274.0	-0.2
14025.000000	57.93	---	68.20	10.27	100.0	H	27.0	0.7
15720.000000	---	46.43	54.00	7.57	100.0	V	269.0	2.7
17552.500000	61.80	---	68.20	6.40	200.0	V	158.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH46

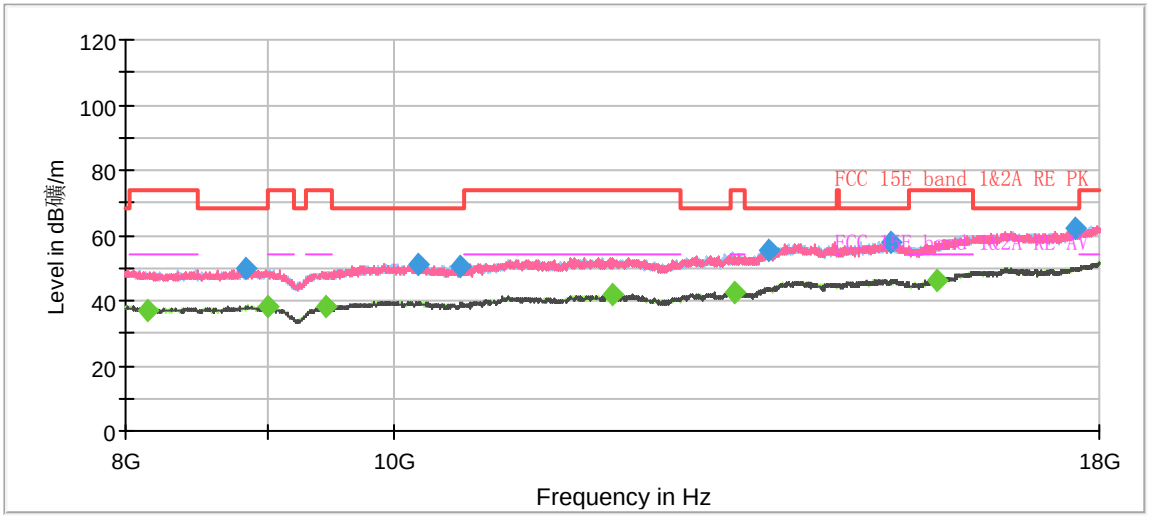


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1024.50	---	35.55	54.00	18.45	100.0	H	323.00	-10
1260.75	45.84	---	68.20	22.36	200.0	H	1.00	-8
1423.50	---	34.57	54.00	19.43	200.0	H	7.00	-7
1983.50	47.20	---	68.20	21.00	200.0	V	0.00	-5
2632.75	48.39	---	68.20	19.81	100.0	V	4.00	-4
2822.63	---	37.71	54.00	16.29	200.0	H	77.00	-3
3117.50	50.15	---	68.20	18.05	100.0	H	358.00	-3
3988.13	---	39.42	54.00	14.58	200.0	H	2.00	-1
4477.25	51.40	---	68.20	16.80	200.0	V	207.00	0
4943.63	---	41.68	54.00	12.32	200.0	H	121.00	2
6012.88	54.77	---	68.20	13.43	100.0	H	0.00	5
7434.75	---	45.42	54.00	8.58	200.0	V	223.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

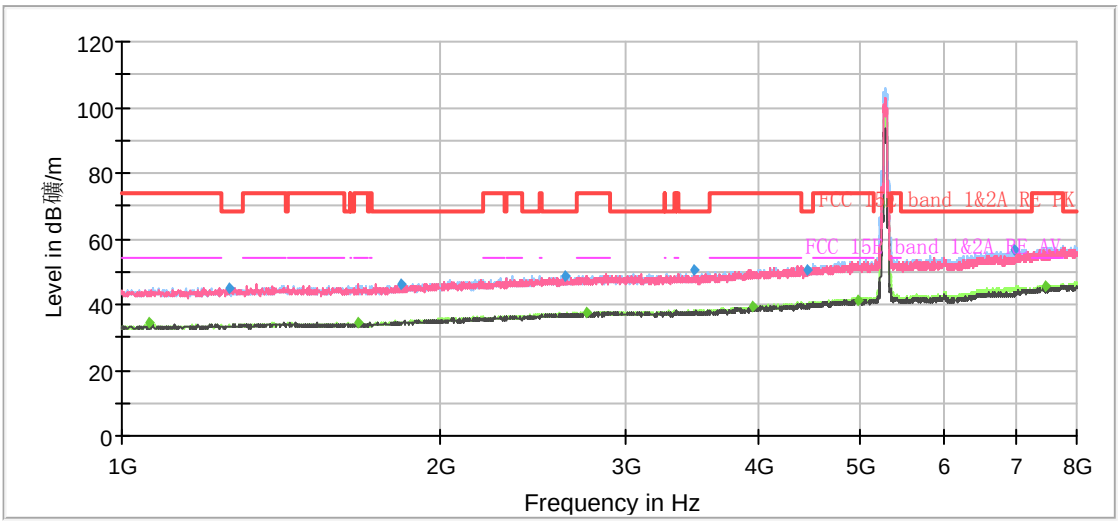


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8152.500000	---	36.78	54.00	17.22	100.0	V	288.0	-7.6
8841.250000	49.82	---	68.20	18.38	200.0	H	134.0	-6.9
9007.500000	---	38.23	54.00	15.77	100.0	V	232.0	-6.7
9447.500000	---	37.93	54.00	16.07	100.0	H	320.0	-5.8
10202.500000	51.35	---	68.20	16.85	200.0	H	345.0	-5.3
10578.750000	50.63	---	68.20	17.57	200.0	H	263.0	-4.8
11995.000000	---	41.63	54.00	12.37	100.0	V	128.0	-3.8
13283.750000	---	42.42	54.00	11.58	200.0	V	200.0	-2.1
13671.250000	55.15	---	68.20	13.05	100.0	V	0.0	-0.5
15141.250000	57.91	---	68.20	10.29	200.0	H	56.0	1.8
15723.750000	---	46.32	54.00	7.68	200.0	H	269.0	2.7
17656.250000	61.88	---	68.20	6.32	200.0	H	331.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH54

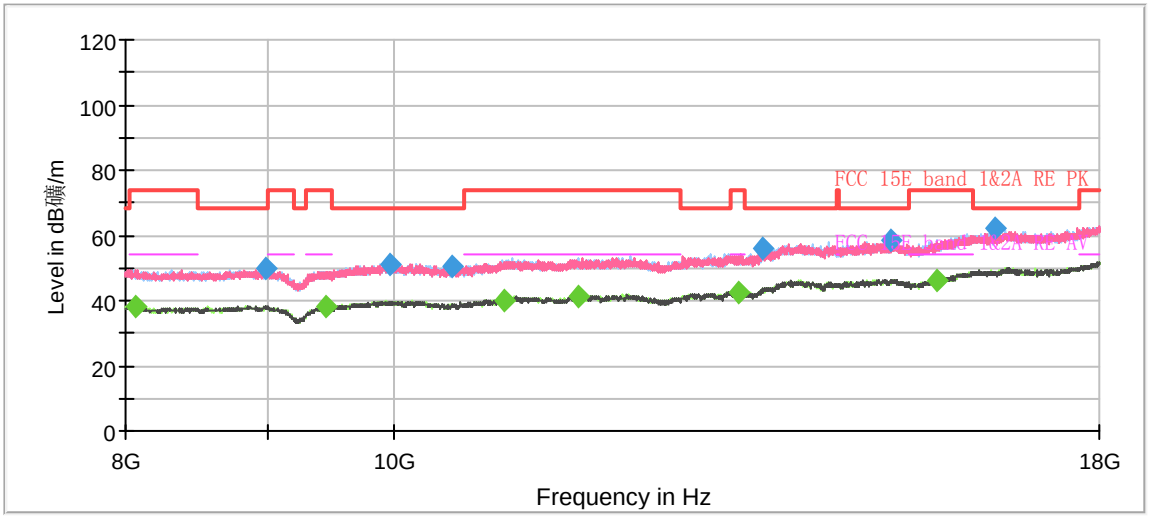


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1062.13	---	34.34	54.00	19.66	100.0	H	185.00	-9
1264.25	44.86	---	68.20	23.34	200.0	V	0.00	-8
1670.25	---	34.45	54.00	19.55	200.0	H	52.00	-6
1838.25	46.38	---	68.20	21.82	200.0	V	350.00	-6
2621.38	48.81	---	68.20	19.39	100.0	V	245.00	-4
2750.88	---	37.57	54.00	16.43	200.0	H	187.00	-4
3471.88	50.59	---	68.20	17.61	100.0	H	222.00	-3
3950.50	---	39.47	54.00	14.53	200.0	H	52.00	-1
4454.50	50.69	---	68.20	17.51	100.0	V	0.00	0
4972.50	---	41.45	54.00	12.55	200.0	H	96.00	2
6973.63	56.35	---	68.20	11.85	200.0	H	15.00	7
7459.25	---	45.41	54.00	8.59	200.0	H	178.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

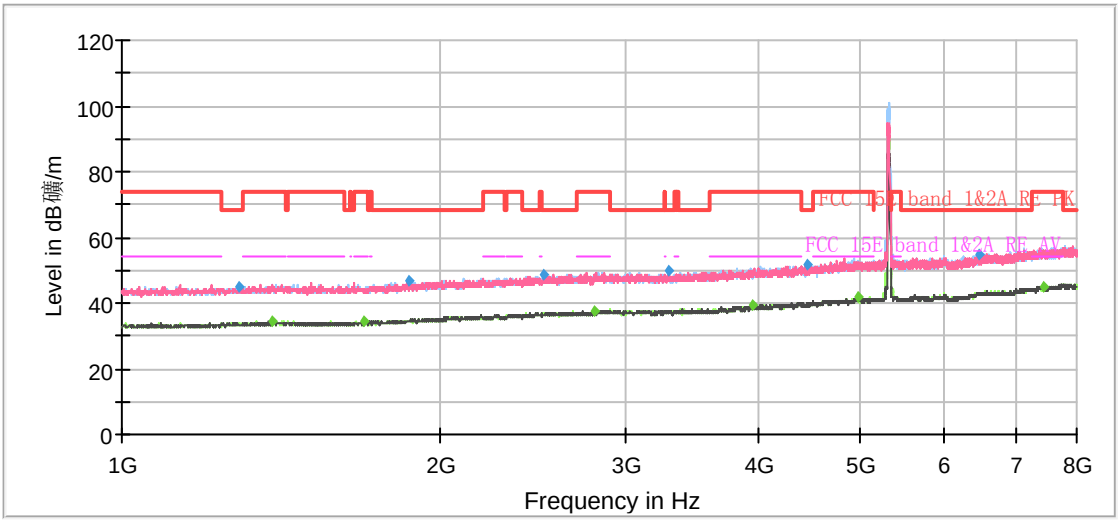


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8063.750000	---	38.34	54.00	15.66	100.0	V	0.0	-7.6
8997.500000	49.65	---	68.20	18.55	200.0	H	337.0	-6.8
9458.750000	---	37.97	54.00	16.03	100.0	V	163.0	-5.8
9977.500000	51.33	---	68.20	16.87	200.0	V	136.0	-5.4
10492.500000	50.36	---	68.20	17.84	200.0	V	248.0	-5.2
10957.500000	---	39.89	54.00	14.11	200.0	V	73.0	-4.9
11655.000000	---	41.43	54.00	12.57	200.0	H	0.0	-3.4
13340.000000	---	42.53	54.00	11.47	200.0	V	248.0	-1.9
13603.750000	55.84	---	68.20	12.36	200.0	V	150.0	-0.8
15136.250000	58.50	---	68.20	9.70	100.0	V	177.0	1.8
15720.000000	---	46.27	54.00	7.73	100.0	V	303.0	2.7
16500.000000	62.12	---	68.20	6.08	200.0	V	0.0	5.1

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH62

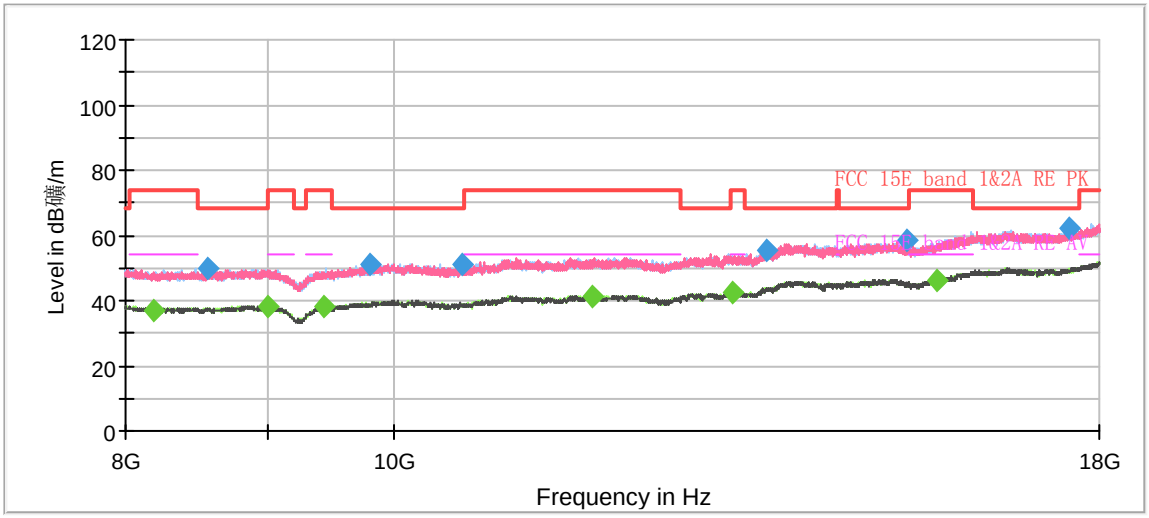


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1291.38	45.18	---	68.20	23.02	100.0	H	0.00	-8
1390.25	---	34.32	54.00	19.68	200.0	V	140.00	-7
1692.13	---	34.23	54.00	19.77	100.0	V	222.00	-6
1870.63	46.48	---	68.20	21.72	100.0	V	151.00	-5
2509.38	48.54	---	68.20	19.66	100.0	H	198.00	-4
2796.38	---	37.30	54.00	16.70	100.0	H	0.00	-4
3284.63	50.06	---	68.20	18.14	200.0	V	193.00	-3
3954.88	---	39.08	54.00	14.92	200.0	V	158.00	-1
4445.75	51.71	---	68.20	16.49	100.0	H	357.00	0
4966.38	---	41.71	54.00	12.29	200.0	V	13.00	2
6477.50	55.01	---	68.20	13.19	200.0	V	358.00	6
7446.13	---	44.71	54.00	9.29	200.0	H	6.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

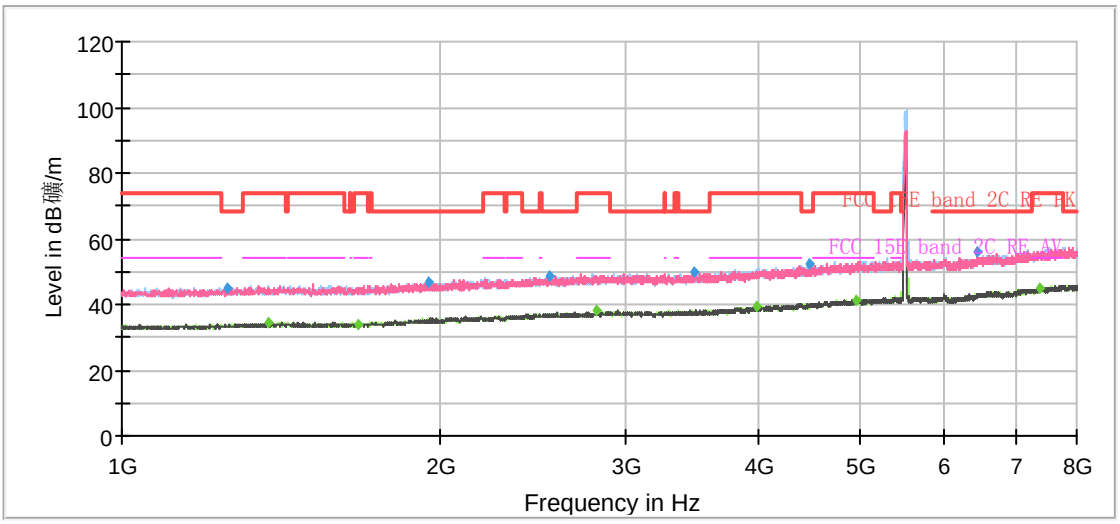


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8193.750000	---	36.79	54.00	17.21	200.0	H	210.0	-7.5
8572.500000	49.67	---	68.20	18.53	100.0	H	149.0	-7.2
9001.250000	---	38.16	54.00	15.84	200.0	H	0.0	-6.7
9442.500000	---	38.07	54.00	15.93	200.0	V	0.0	-5.8
9798.750000	51.12	---	68.20	17.08	200.0	V	78.0	-5.5
10585.000000	50.90	---	68.20	17.30	200.0	H	306.0	-4.8
11801.250000	---	41.49	54.00	12.51	200.0	V	288.0	-3.8
13257.500000	---	42.48	54.00	11.52	100.0	H	149.0	-2.2
13641.250000	55.33	---	68.20	12.87	100.0	V	326.0	-0.6
15347.500000	58.53	---	68.20	9.67	200.0	V	120.0	1.7
15716.250000	---	46.29	54.00	7.71	200.0	V	35.0	2.6
17541.250000	61.85	---	68.20	6.35	200.0	H	105.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH102

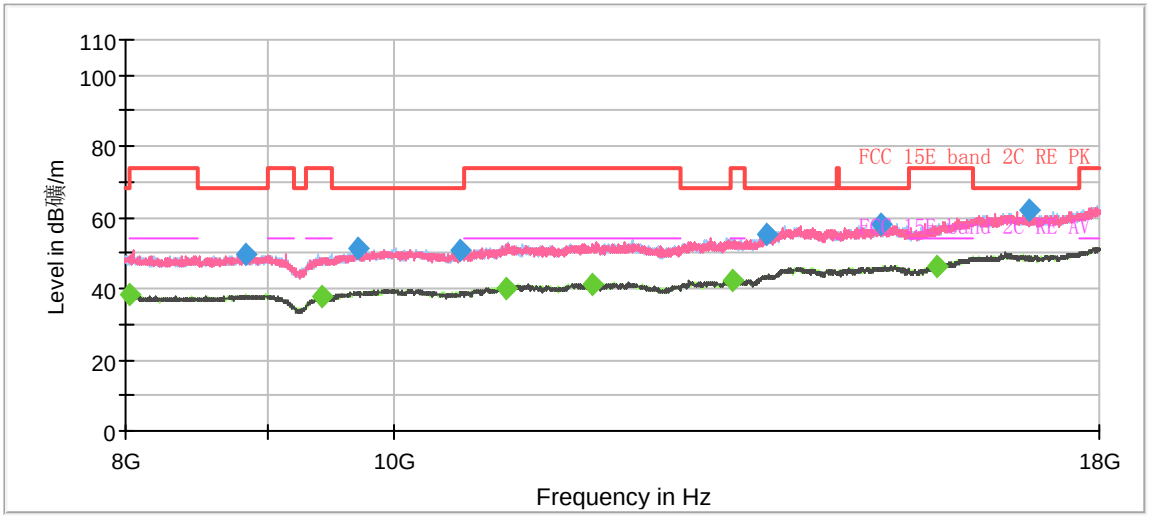


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1259.88	44.98	---	68.20	23.22	200.0	H	18.00	-8
1372.75	---	34.26	54.00	19.74	200.0	H	2.00	-7
1674.63	---	34.06	54.00	19.94	200.0	V	149.00	-6
1946.75	46.70	---	68.20	21.50	200.0	V	326.00	-5
2538.25	48.87	---	68.20	19.33	100.0	H	0.00	-4
2812.13	---	37.86	54.00	16.14	100.0	V	136.00	-3
3473.63	49.98	---	68.20	18.22	200.0	V	0.00	-3
3983.75	---	39.08	54.00	14.92	200.0	V	132.00	-1
4458.88	52.46	---	68.20	15.74	200.0	H	5.00	0
4941.00	---	41.33	54.00	12.67	100.0	V	243.00	2
6428.50	55.78	---	68.20	12.42	100.0	V	87.00	5
7372.63	---	45.10	54.00	8.90	100.0	H	240.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

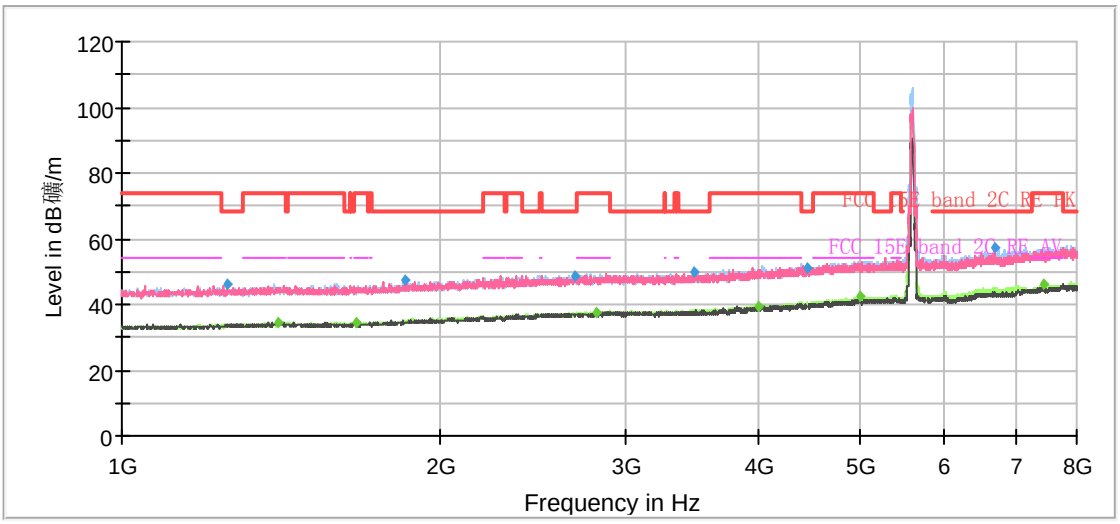


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8031.250000	---	38.23	54.00	15.77	100.0	V	0.0	-7.5
8842.500000	49.87	---	68.20	18.33	200.0	V	36.0	-6.9
9415.000000	---	37.91	54.00	16.09	100.0	H	55.0	-5.8
9712.500000	51.29	---	68.20	16.91	100.0	V	242.0	-5.4
10578.750000	50.79	---	68.20	17.41	200.0	H	137.0	-4.8
10980.000000	---	40.31	54.00	13.69	100.0	H	74.0	-4.9
11801.250000	---	41.32	54.00	12.68	200.0	H	353.0	-3.8
13257.500000	---	42.53	54.00	11.47	100.0	H	80.0	-2.2
13635.000000	55.01	---	68.20	13.19	100.0	V	242.0	-0.6
15006.250000	58.23	---	68.20	9.97	200.0	H	144.0	1.4
15715.000000	---	46.38	54.00	7.62	100.0	V	98.0	2.6
16965.000000	61.82	---	68.20	6.38	200.0	V	99.0	5.1

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH118

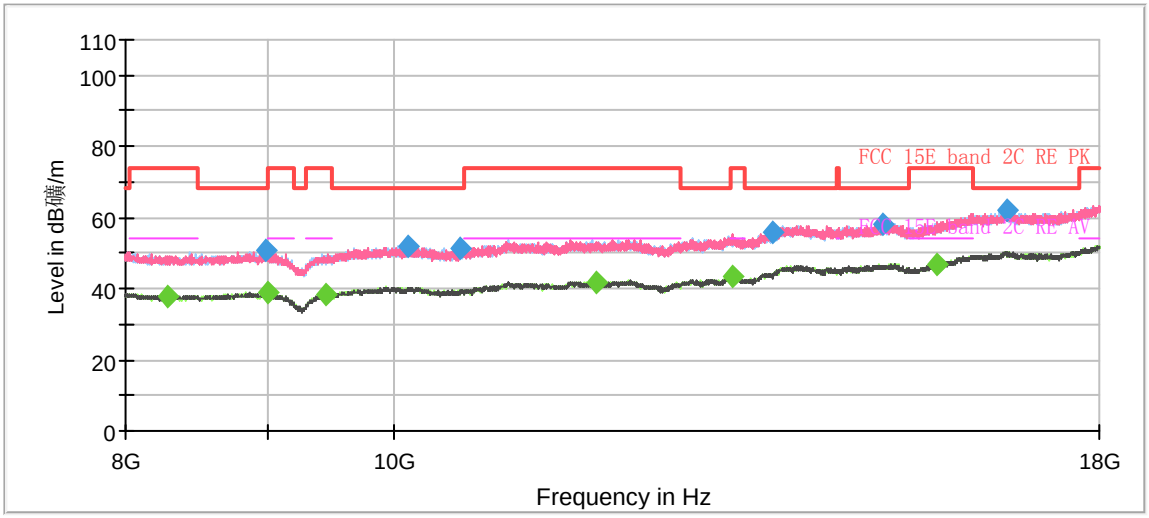


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1257.25	45.86	---	68.20	22.34	100.0	H	319.00	-8
1406.88	---	34.62	54.00	19.38	100.0	H	357.00	-7
1662.38	---	34.52	54.00	19.48	100.0	V	0.00	-6
1851.38	47.09	---	68.20	21.11	200.0	H	110.00	-5
2683.50	48.82	---	68.20	19.38	200.0	H	4.00	-4
2813.00	---	37.59	54.00	16.41	100.0	H	86.00	-3
3469.25	49.63	---	68.20	18.57	200.0	V	190.00	-3
3998.63	---	39.63	54.00	14.37	200.0	H	81.00	-1
4445.75	51.27	---	68.20	16.93	100.0	H	359.00	0
4984.75	---	42.24	54.00	11.76	100.0	H	350.00	2
6701.50	56.95	---	68.20	11.25	200.0	H	5.00	6
7448.75	---	45.87	54.00	8.13	200.0	H	15.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

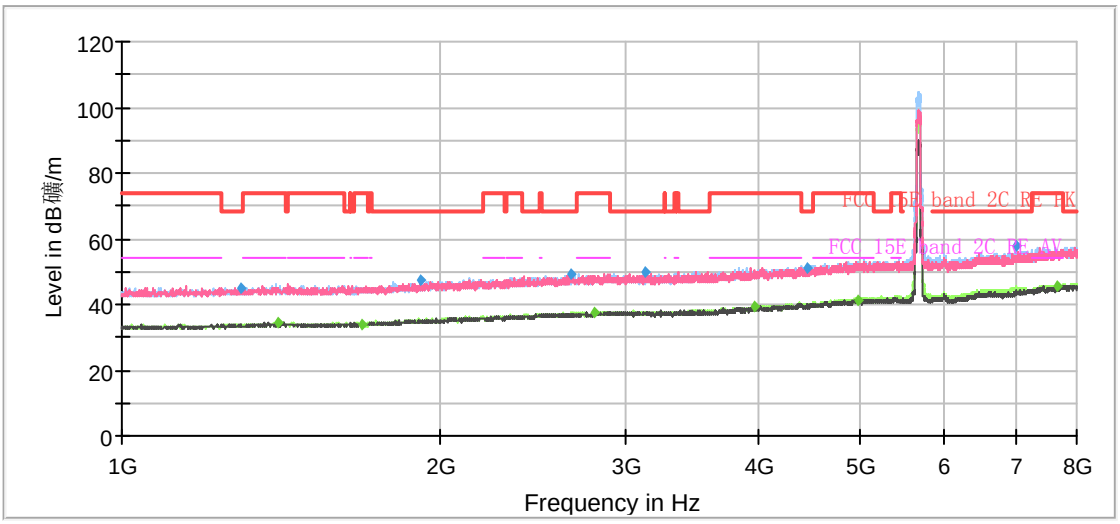


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8286.250000	---	37.81	54.00	16.19	200.0	V	123.0	-7.5
8983.750000	50.49	---	68.20	17.71	100.0	H	240.0	-6.8
9006.250000	---	38.69	54.00	15.31	200.0	H	77.0	-6.7
9451.250000	---	38.22	54.00	15.78	100.0	H	16.0	-5.8
10120.000000	51.75	---	68.20	16.45	200.0	H	355.0	-5.5
10576.250000	51.40	---	68.20	16.80	200.0	V	1.0	-4.8
11842.500000	---	41.85	54.00	12.15	200.0	V	28.0	-3.8
13257.500000	---	43.50	54.00	10.50	200.0	H	175.0	-2.2
13708.750000	55.98	---	68.20	12.22	200.0	H	56.0	-0.3
15033.750000	58.34	---	68.20	9.86	200.0	H	0.0	1.5
15723.750000	---	46.62	54.00	7.38	200.0	H	162.0	2.7
16680.000000	62.10	---	68.20	6.10	200.0	H	63.0	5.6

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH134

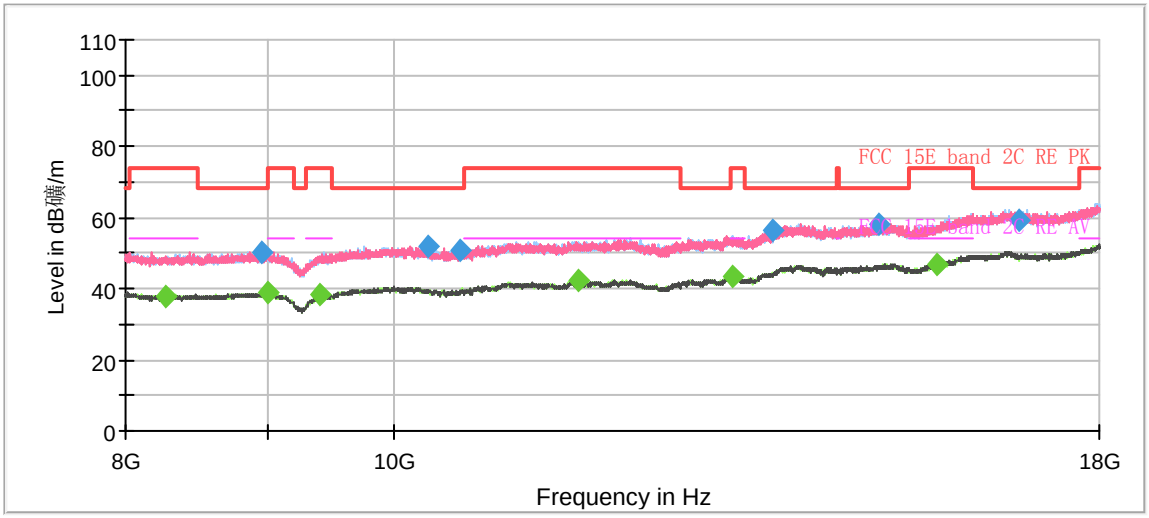


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1295.75	44.99	---	68.20	23.21	100.0	V	120.00	-8
1402.50	---	34.39	54.00	19.61	200.0	V	356.00	-7
1686.00	---	34.12	54.00	19.88	100.0	V	101.00	-6
1918.75	47.19	---	68.20	21.01	100.0	V	65.00	-5
2662.50	49.21	---	68.20	18.99	100.0	V	65.00	-3
2802.50	---	37.58	54.00	16.42	100.0	V	65.00	-3
3123.63	50.13	---	68.20	18.07	100.0	H	337.00	-3
3958.38	---	39.35	54.00	14.65	200.0	V	177.00	-1
4445.75	51.19	---	68.20	17.01	100.0	V	13.00	0
4974.25	---	41.53	54.00	12.47	100.0	H	354.00	2
7026.13	57.69	---	68.20	10.51	100.0	H	357.00	7
7654.38	---	45.67	54.00	8.33	100.0	H	354.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

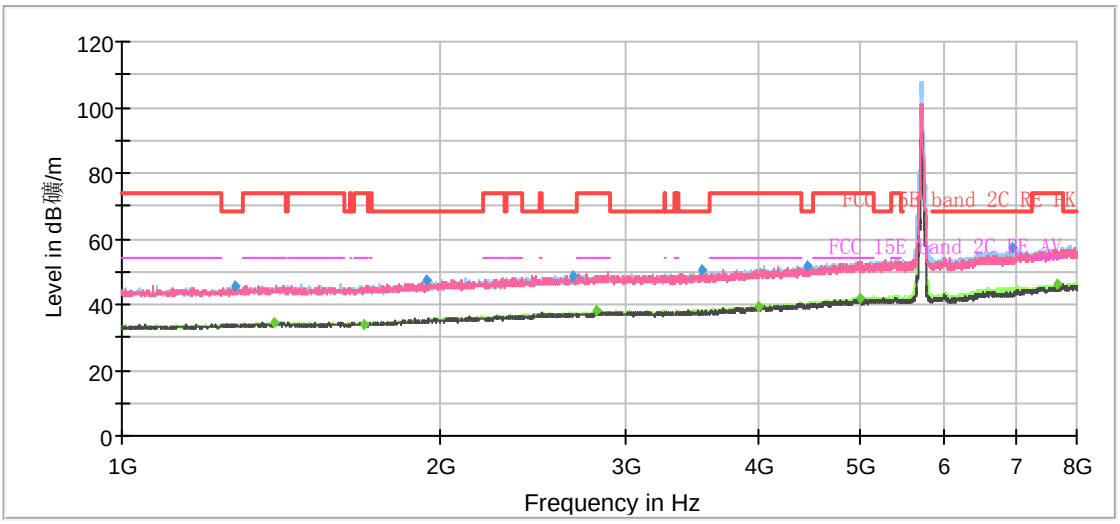


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8271.250000	---	37.71	54.00	16.29	100.0	H	123.0	-7.5
8956.250000	50.39	---	68.20	17.81	200.0	V	194.0	-6.9
9002.500000	---	38.70	54.00	15.30	200.0	V	13.0	-6.7
9411.250000	---	38.24	54.00	15.76	200.0	H	150.0	-5.8
10292.500000	51.97	---	68.20	16.23	100.0	V	358.0	-5.2
10577.500000	50.90	---	68.20	17.30	100.0	V	325.0	-4.8
11660.000000	---	42.06	54.00	11.94	100.0	H	18.0	-3.4
13257.500000	---	43.63	54.00	10.37	200.0	H	150.0	-2.2
13720.000000	56.22	---	68.20	11.98	100.0	H	256.0	-0.3
14977.500000	58.24	---	68.20	9.96	100.0	V	150.0	1.5
15715.000000	---	46.86	54.00	7.14	200.0	V	1.0	2.6
16828.750000	59.15	---	68.20	9.05	200.0	H	6.0	5.4

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH142

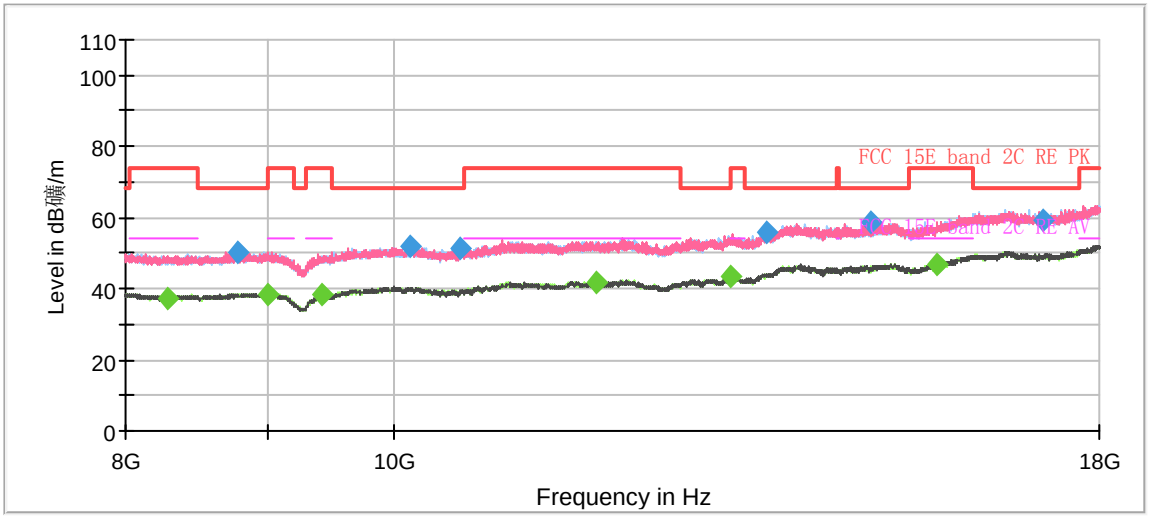


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1281.75	45.43	---	68.20	22.77	100.0	H	222.00	-8
1391.13	---	34.47	54.00	19.53	100.0	V	202.00	-7
1693.00	---	33.96	54.00	20.04	200.0	H	4.00	-6
1941.50	47.53	---	68.20	20.67	200.0	H	96.00	-5
2667.75	48.83	---	68.20	19.37	100.0	H	301.00	-3
2809.50	---	37.96	54.00	16.04	200.0	H	131.00	-3
3529.63	50.39	---	68.20	17.81	200.0	H	78.00	-3
3998.63	---	39.41	54.00	14.59	200.0	H	4.00	-1
4439.63	51.45	---	68.20	16.75	100.0	H	353.00	0
4986.50	---	41.77	54.00	12.23	100.0	H	341.00	2
6940.38	56.94	---	68.20	11.26	100.0	H	266.00	7
7656.13	---	46.00	54.00	8.00	100.0	H	335.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

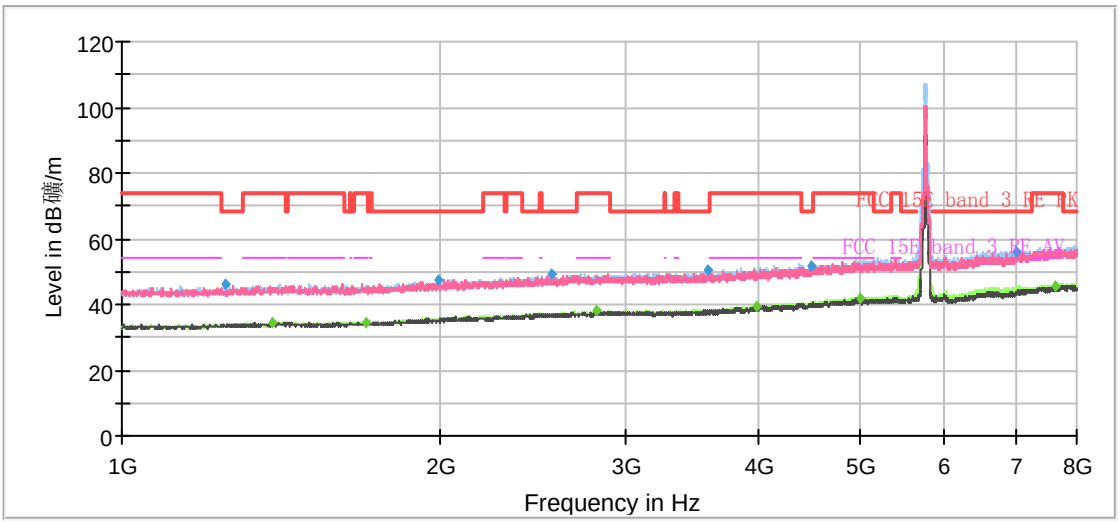


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8286.250000	---	37.18	54.00	16.82	100.0	H	125.0	-7.5
8781.250000	50.07	---	68.20	18.13	200.0	H	137.0	-7.1
9002.500000	---	38.58	54.00	15.42	200.0	H	0.0	-6.7
9427.500000	---	38.24	54.00	15.76	200.0	V	250.0	-5.8
10142.500000	51.95	---	68.20	16.25	100.0	V	62.0	-5.4
10573.750000	51.56	---	68.20	16.64	100.0	H	145.0	-4.9
11842.500000	---	42.01	54.00	11.99	200.0	H	0.0	-3.8
13250.000000	---	43.26	54.00	10.74	200.0	H	256.0	-2.2
13652.500000	55.88	---	68.20	12.32	100.0	H	193.0	-0.5
14886.250000	58.41	---	68.20	9.79	100.0	H	228.0	1.8
15723.750000	---	46.80	54.00	7.20	100.0	H	66.0	2.7
17187.500000	59.13	---	68.20	9.07	200.0	H	179.0	5.1

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH151

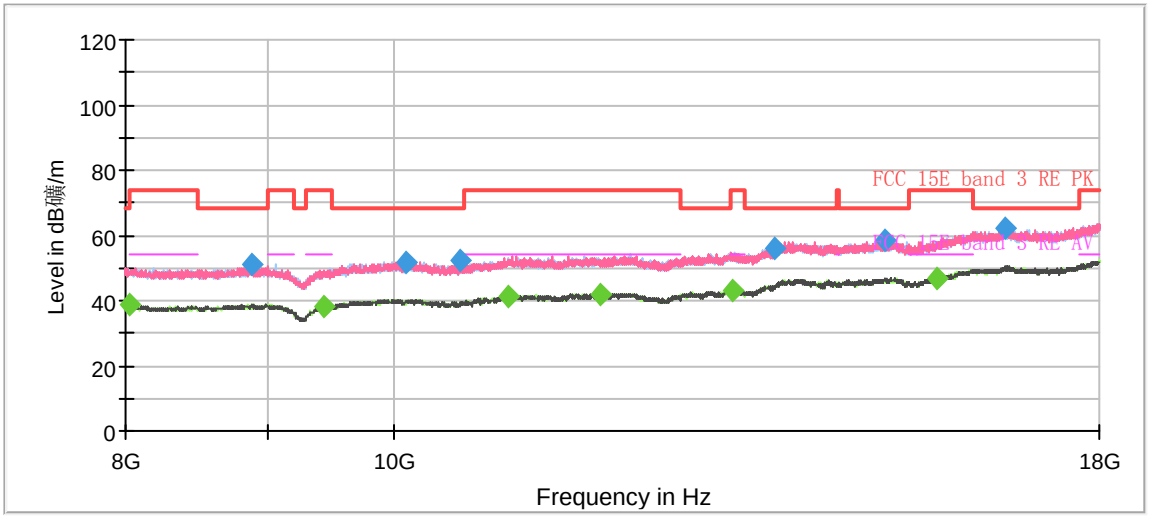


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1250.25	45.90	---	68.20	22.31	200.0	H	0.00	-8
1389.38	---	34.46	54.00	19.54	100.0	H	213.00	-7
1704.38	---	34.66	54.00	19.34	200.0	H	32.00	-6
1987.88	47.12	---	68.20	21.08	100.0	V	0.00	-5
2547.88	49.07	---	68.20	19.13	200.0	H	32.00	-4
2808.63	---	38.03	54.00	15.97	200.0	H	44.00	-3
3582.13	50.34	---	68.20	17.86	200.0	H	44.00	-3
3984.63	---	39.35	54.00	14.65	200.0	H	106.00	-1
4479.00	51.72	---	68.20	16.48	200.0	H	177.00	0
4989.13	---	42.14	54.00	11.86	100.0	H	275.00	2
7003.38	56.30	---	68.20	11.90	200.0	H	25.00	7
7627.25	---	45.50	54.00	8.50	200.0	H	0.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

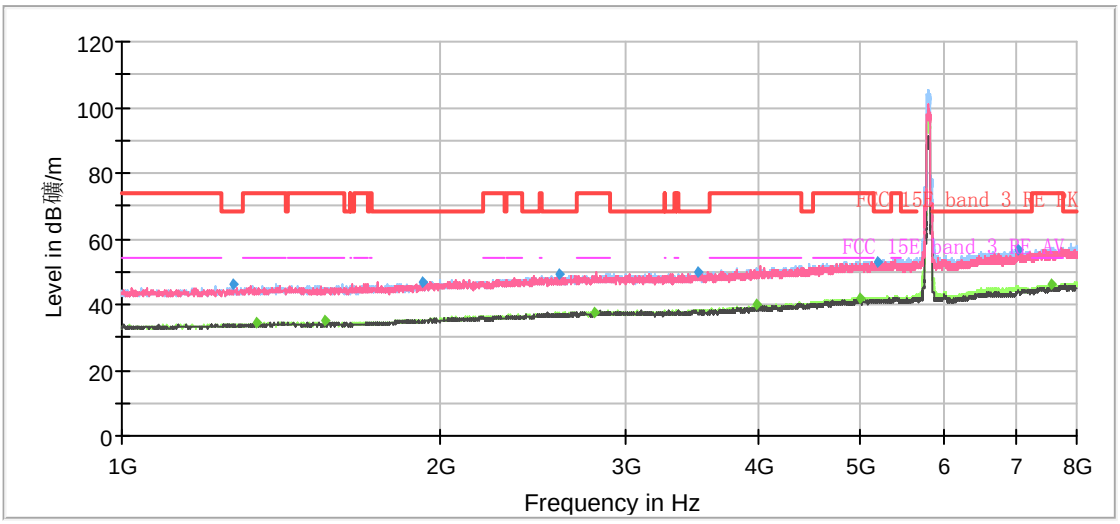


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8032.500000	---	38.59	54.00	15.41	100.0	V	281.0	-7.5
8891.250000	50.87	---	68.20	17.33	100.0	H	221.0	-6.9
9443.750000	---	38.28	54.00	15.72	200.0	H	70.0	-5.8
10112.500000	51.71	---	68.20	16.49	200.0	H	316.0	-5.5
10571.250000	52.00	---	68.20	16.20	100.0	H	23.0	-4.9
10993.750000	---	41.01	54.00	12.99	200.0	H	182.0	-4.8
11872.500000	---	42.06	54.00	11.94	200.0	V	17.0	-3.8
13256.250000	---	43.26	54.00	10.74	200.0	H	316.0	-2.2
13728.750000	56.11	---	68.20	12.09	100.0	V	330.0	-0.2
15068.750000	58.59	---	68.20	9.61	200.0	V	17.0	1.6
15718.750000	---	46.98	54.00	7.02	200.0	V	165.0	2.7
16631.250000	61.93	---	68.20	6.27	100.0	H	130.0	5.6

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH159

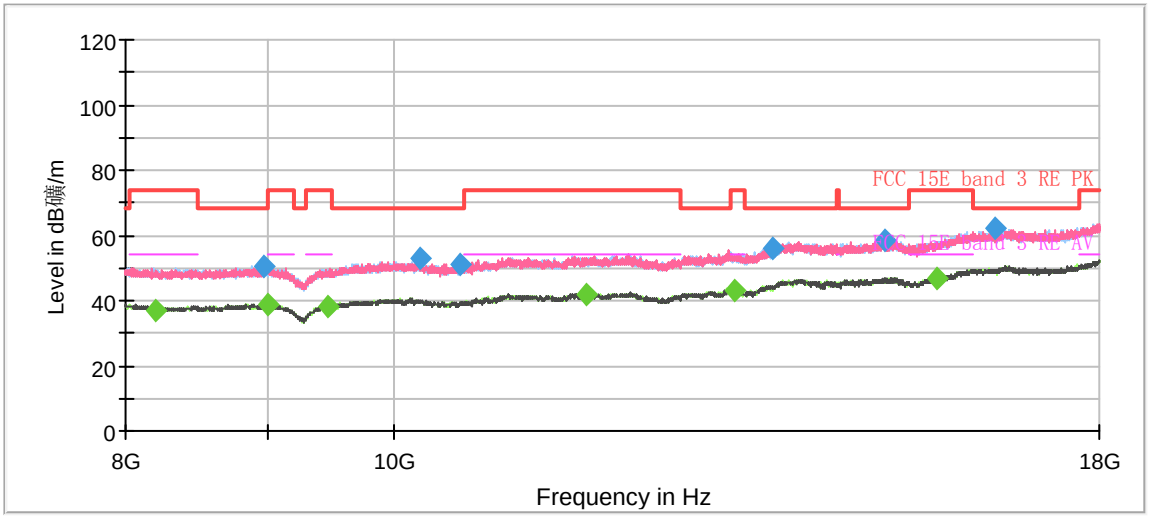


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1275.63	46.11	---	68.20	22.09	200.0	H	4.00	-8
1341.25	---	34.63	54.00	19.37	100.0	V	0.00	-7
1556.50	---	34.78	54.00	19.22	100.0	H	346.00	-7
1927.50	47.05	---	68.20	21.15	100.0	H	327.00	-5
2587.25	48.94	---	68.20	19.26	100.0	H	327.00	-4
2792.88	---	37.80	54.00	16.20	100.0	H	340.00	-4
3502.50	50.09	---	68.20	18.11	100.0	V	43.00	-3
3987.25	---	39.71	54.00	14.29	100.0	H	334.00	-1
4985.63	---	41.60	54.00	12.40	200.0	H	2.00	2
5176.38	52.62	---	68.20	15.58	200.0	H	8.00	2
7033.13	56.76	---	68.20	11.44	200.0	H	141.00	7
7578.25	---	45.93	54.00	8.07	100.0	H	334.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

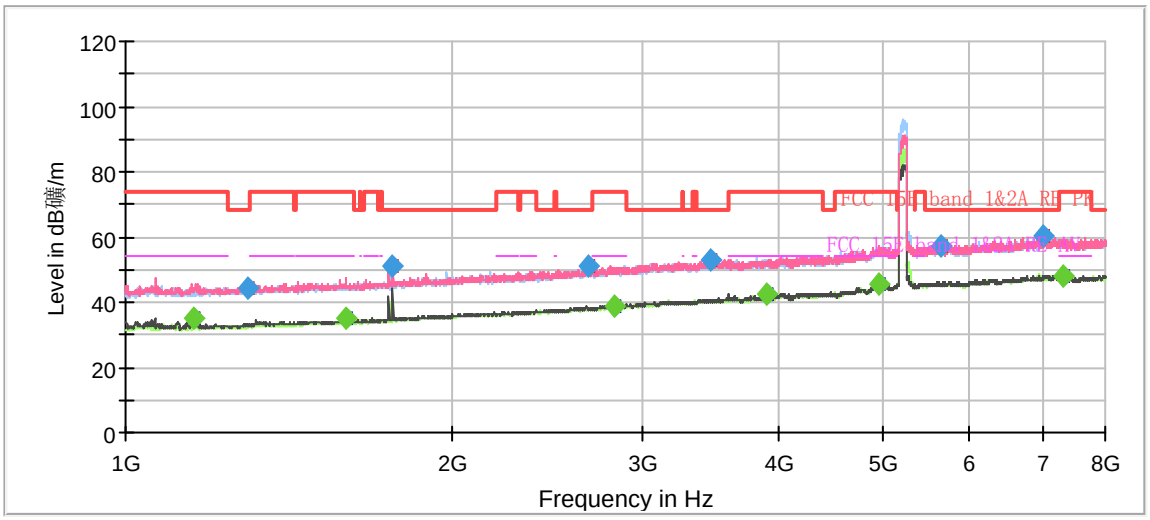


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8206.250000	---	36.98	54.00	17.02	100.0	H	97.0	-7.5
8981.250000	50.38	---	68.20	17.82	100.0	V	176.0	-6.8
9001.250000	---	38.98	54.00	15.02	200.0	H	0.0	-6.7
9476.250000	---	38.21	54.00	15.79	200.0	H	176.0	-5.8
10216.250000	52.73	---	68.20	15.47	100.0	V	262.0	-5.3
10572.500000	51.04	---	68.20	17.16	200.0	H	344.0	-4.9
11741.250000	---	41.87	54.00	12.13	100.0	V	0.0	-3.6
13280.000000	---	43.35	54.00	10.65	200.0	H	260.0	-2.1
13708.750000	56.04	---	68.20	12.16	100.0	H	62.0	-0.3
15058.750000	58.55	---	68.20	9.65	200.0	V	74.0	1.6
15717.500000	---	46.85	54.00	7.15	200.0	V	0.0	2.7
16506.250000	61.99	---	68.20	6.21	200.0	H	141.0	5.1

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11ac (VHT80) CH42

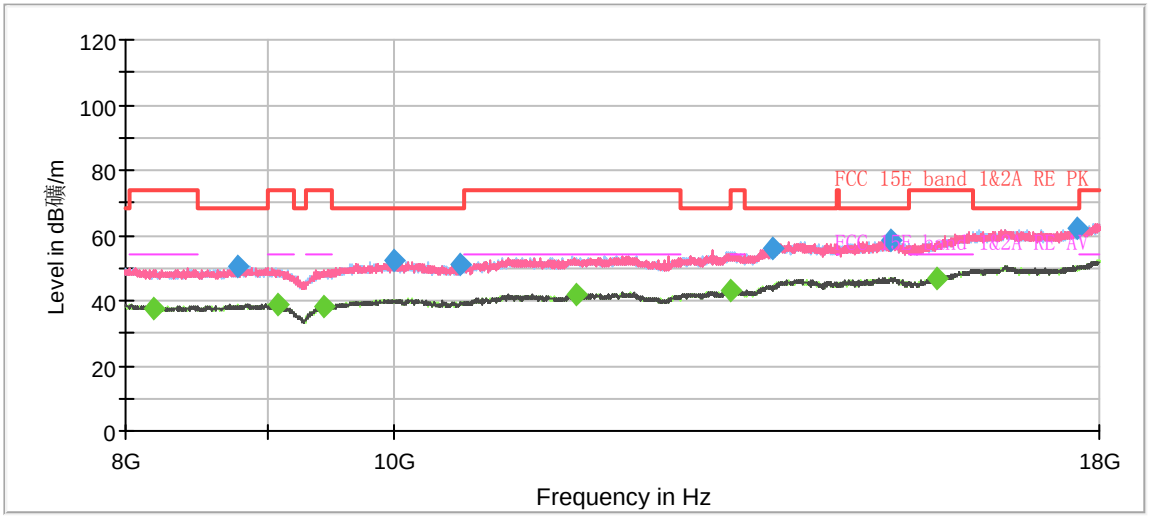


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1153.125000	---	35.03	54.00	18.97	100.0	V	114.0	-16.4
1294.875000	44.34	---	68.20	23.86	100.0	V	57.0	-15.8
1597.625000	---	35.13	54.00	18.87	200.0	V	99.0	-14.4
1763.875000	51.21	---	68.20	16.99	200.0	V	140.0	-13.5
2666.000000	51.08	---	68.20	17.12	200.0	V	9.0	-10.5
2818.250000	---	38.87	54.00	15.13	200.0	V	264.0	-9.8
3454.375000	53.06	---	68.20	15.14	200.0	V	91.0	-7.2
3895.375000	---	42.20	54.00	11.80	200.0	V	58.0	-5.9
4956.750000	---	45.66	54.00	8.34	200.0	V	222.0	-1.6
5653.250000	57.52	---	68.20	10.68	100.0	H	247.0	-0.2
7002.500000	60.43	---	68.20	7.77	100.0	V	239.0	2.2
7319.250000	---	47.91	54.00	6.09	100.0	V	337.0	2.9

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

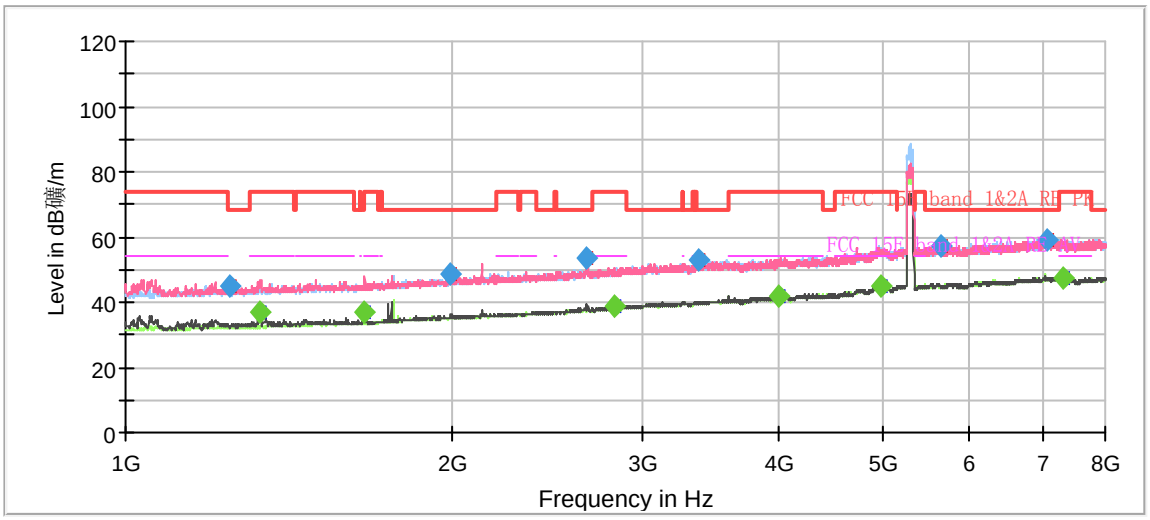


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8191.250000	---	37.60	54.00	16.40	100.0	H	112.0	-7.5
8790.000000	50.53	---	68.20	17.67	100.0	H	159.0	-7.1
9076.250000	---	38.67	54.00	15.33	200.0	H	324.0	-6.6
9432.500000	---	38.22	54.00	15.78	200.0	V	234.0	-5.8
10001.250000	52.53	---	68.20	15.67	100.0	V	232.0	-5.4
10573.750000	51.12	---	68.20	17.08	100.0	V	81.0	-4.9
11646.250000	---	42.12	54.00	11.88	100.0	H	92.0	-3.4
13252.500000	---	43.33	54.00	10.67	200.0	V	14.0	-2.2
13723.750000	55.93	---	68.20	12.27	100.0	V	81.0	-0.3
15132.500000	58.46	---	68.20	9.74	100.0	V	301.0	1.7
15712.500000	---	46.80	54.00	7.20	200.0	H	240.0	2.6
17658.750000	62.04	---	68.20	6.16	200.0	V	0.0	5.2

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11ac (VHT80) CH58

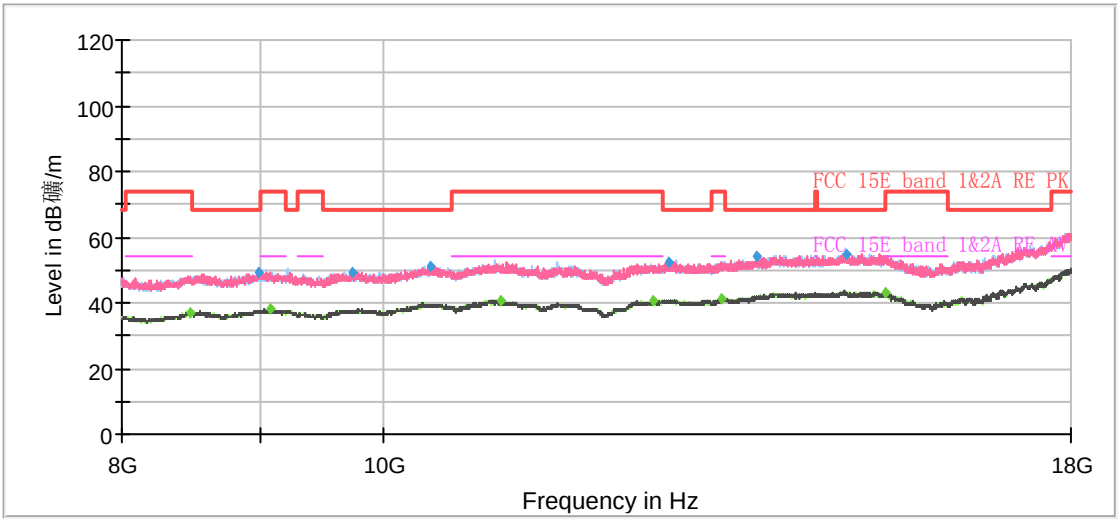


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1247.625000	44.66	---	68.20	23.54	100.0	V	245.0	-16.0
1331.625000	---	36.87	54.00	17.13	100.0	V	80.0	-15.6
1660.625000	---	36.95	54.00	17.05	100.0	V	80.0	-14.1
1991.375000	48.57	---	68.20	19.63	100.0	V	80.0	-12.6
2660.750000	53.74	---	68.20	14.46	100.0	V	172.0	-10.5
2827.000000	---	38.48	54.00	15.52	200.0	V	238.0	-9.8
3377.375000	52.83	---	68.20	15.37	200.0	H	186.0	-7.5
3996.000000	---	41.70	54.00	12.30	200.0	V	279.0	-5.4
4964.625000	---	45.16	54.00	8.84	100.0	H	71.0	-1.5
5646.250000	57.34	---	68.20	10.86	100.0	H	225.0	-0.2
7071.625000	59.23	---	68.20	8.97	100.0	H	143.0	2.4
7330.625000	---	47.57	54.00	6.43	200.0	H	122.0	2.8

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

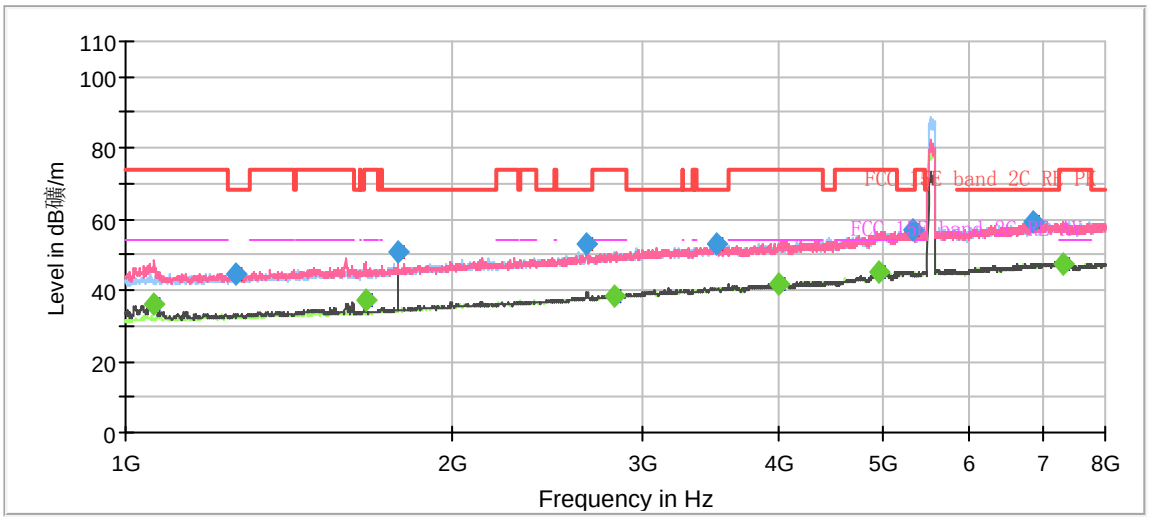


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8476.25	---	36.75	54.00	17.25	100.0	H	0.00	-2
8990.00	49.20	---	68.20	19.00	200.0	H	309.00	-2
9078.75	---	38.02	54.00	15.98	200.0	V	355.00	-2
9743.75	49.11	---	68.20	19.09	200.0	V	0.00	-2
10413.75	51.08	---	68.20	17.12	100.0	V	225.00	-1
11051.25	---	40.76	54.00	13.24	200.0	V	152.00	1
12603.75	---	40.63	54.00	13.37	100.0	V	23.00	2
12753.75	52.16	---	68.20	16.04	100.0	H	0.00	3
13360.00	---	41.27	54.00	12.73	200.0	V	344.00	3
13757.50	54.10	---	68.20	14.10	200.0	H	18.00	4
14850.00	54.81	---	68.20	13.39	100.0	H	31.00	5
15365.00	---	43.17	54.00	10.83	200.0	V	358.00	4

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11ac (VHT80) CH106

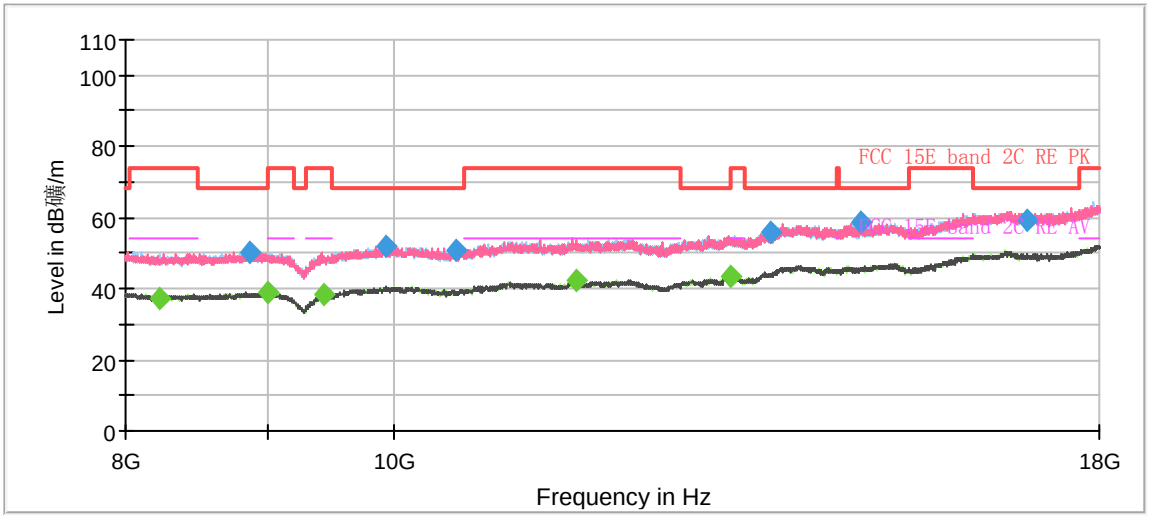


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1063.000000	---	36.04	54.00	17.96	200.0	V	73.0	-16.9
1265.125000	44.79	---	68.20	23.41	200.0	H	187.0	-15.9
1664.125000	---	37.07	54.00	16.93	100.0	V	89.0	-14.1
1783.125000	50.52	---	68.20	17.68	200.0	V	0.0	-13.4
2658.125000	52.78	---	68.20	15.42	100.0	V	258.0	-10.5
2820.875000	---	38.59	54.00	15.41	100.0	H	11.0	-9.8
3510.375000	52.79	---	68.20	15.41	200.0	H	214.0	-7.1
3997.750000	---	41.78	54.00	12.22	200.0	V	57.0	-5.4
4956.750000	---	45.31	54.00	8.69	200.0	H	336.0	-1.6
5327.750000	56.97	---	68.20	11.23	200.0	V	219.0	-1.2
6854.625000	59.24	---	68.20	8.96	200.0	V	0.0	2.2
7322.750000	---	47.65	54.00	6.35	100.0	V	170.0	2.9

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

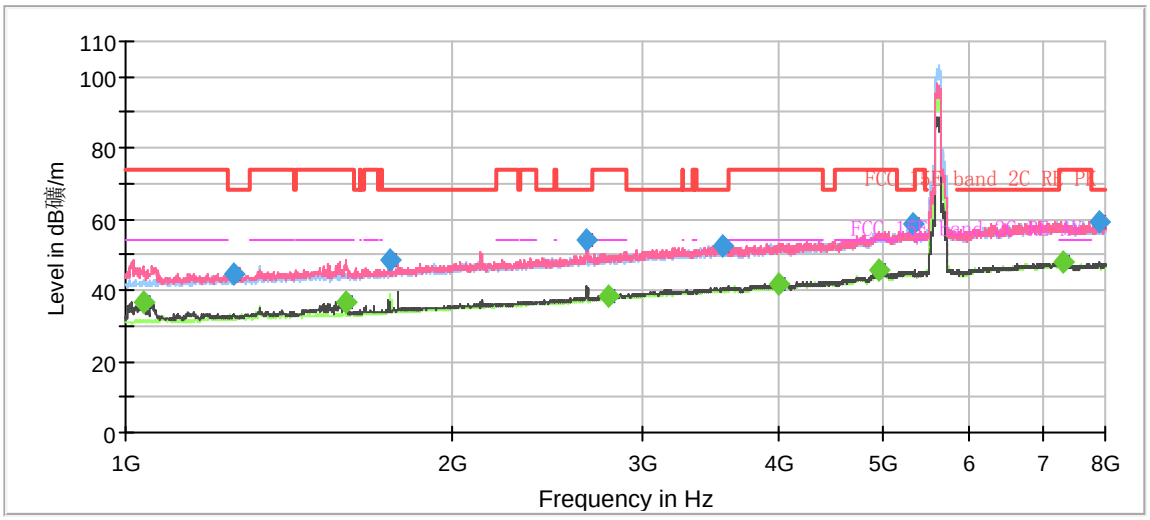


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8236.250000	---	37.15	54.00	16.85	200.0	H	274.0	-7.5
8865.000000	50.34	---	68.20	17.86	200.0	V	214.0	-6.9
9001.250000	---	38.95	54.00	15.05	100.0	V	320.0	-6.7
9436.250000	---	38.20	54.00	15.80	200.0	H	295.0	-5.8
9930.000000	52.14	---	68.20	16.06	100.0	V	320.0	-5.3
10542.500000	50.71	---	68.20	17.49	100.0	H	0.0	-5.0
11653.750000	---	42.10	54.00	11.90	100.0	H	192.0	-3.4
13252.500000	---	43.45	54.00	10.55	100.0	H	200.0	-2.2
13686.250000	55.87	---	68.20	12.33	200.0	H	358.0	-0.4
14752.500000	58.75	---	68.20	9.45	100.0	V	201.0	1.8
16941.250000	59.42	---	68.20	8.78	200.0	V	187.0	5.1

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11ac (VHT80) CH122

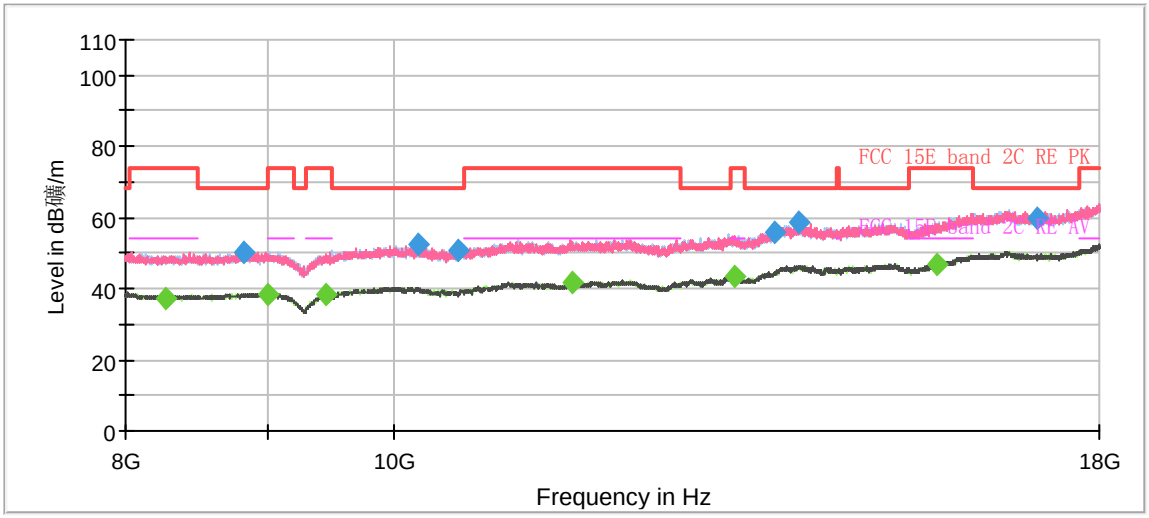


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1037.625000	---	36.63	54.00	17.37	200.0	V	239.0	-16.9
1259.875000	44.40	---	68.20	23.80	100.0	V	204.0	-16.0
1595.875000	---	36.64	54.00	17.36	100.0	V	49.0	-14.4
1751.625000	48.68	---	68.20	19.52	200.0	H	0.0	-13.6
2659.000000	54.10	---	68.20	14.10	100.0	V	284.0	-10.5
2787.625000	---	38.44	54.00	15.56	100.0	V	147.0	-10.0
3543.625000	52.57	---	68.20	15.63	100.0	H	2.0	-7.0
3994.250000	---	41.65	54.00	12.35	100.0	V	114.0	-5.4
4938.375000	---	45.65	54.00	8.35	100.0	V	317.0	-1.7
5328.625000	58.65	---	68.20	9.55	200.0	V	0.0	-1.2
7318.375000	---	47.92	54.00	6.08	100.0	V	204.0	2.9
7915.125000	59.33	---	68.20	8.87	100.0	V	239.0	2.5

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

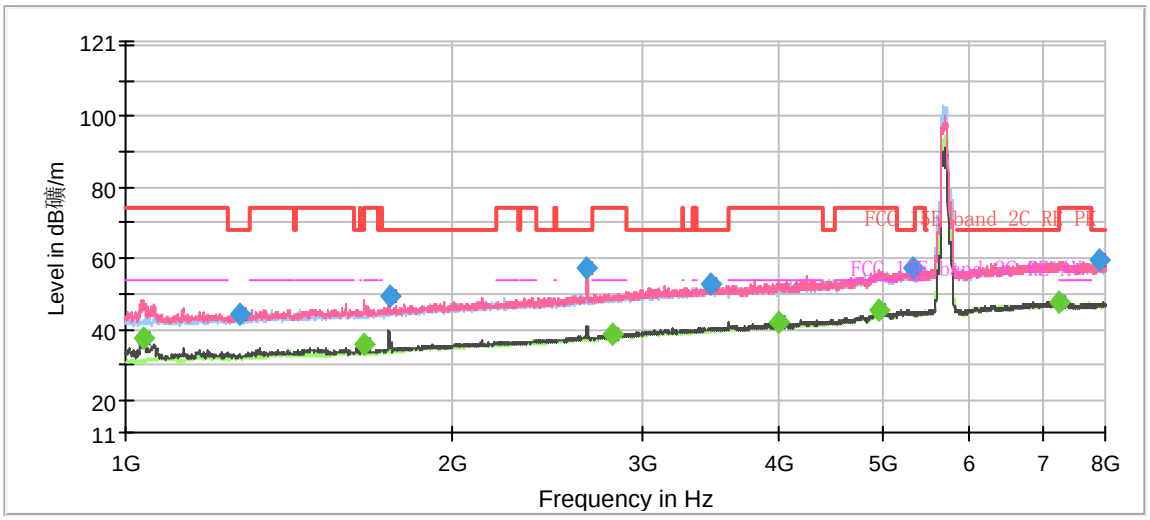


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8268.750000	---	37.48	54.00	16.52	200.0	H	170.0	-7.5
8832.500000	50.40	---	68.20	17.80	100.0	V	126.0	-6.9
9002.500000	---	38.62	54.00	15.38	200.0	H	331.0	-6.7
9447.500000	---	38.20	54.00	15.80	100.0	H	133.0	-5.8
10202.500000	52.33	---	68.20	15.87	100.0	V	323.0	-5.3
10558.750000	50.86	---	68.20	17.34	100.0	H	146.0	-4.9
11608.750000	---	41.88	54.00	12.12	200.0	H	345.0	-3.4
13292.500000	---	43.58	54.00	10.42	100.0	H	0.0	-2.1
13728.750000	56.01	---	68.20	12.19	100.0	H	133.0	-0.2
14003.750000	58.45	---	68.20	9.75	200.0	V	23.0	0.7
15717.500000	---	46.79	54.00	7.21	100.0	H	30.0	2.7
17102.500000	59.66	---	68.20	8.54	200.0	H	135.0	5.0

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11ac (VHT80) CH138

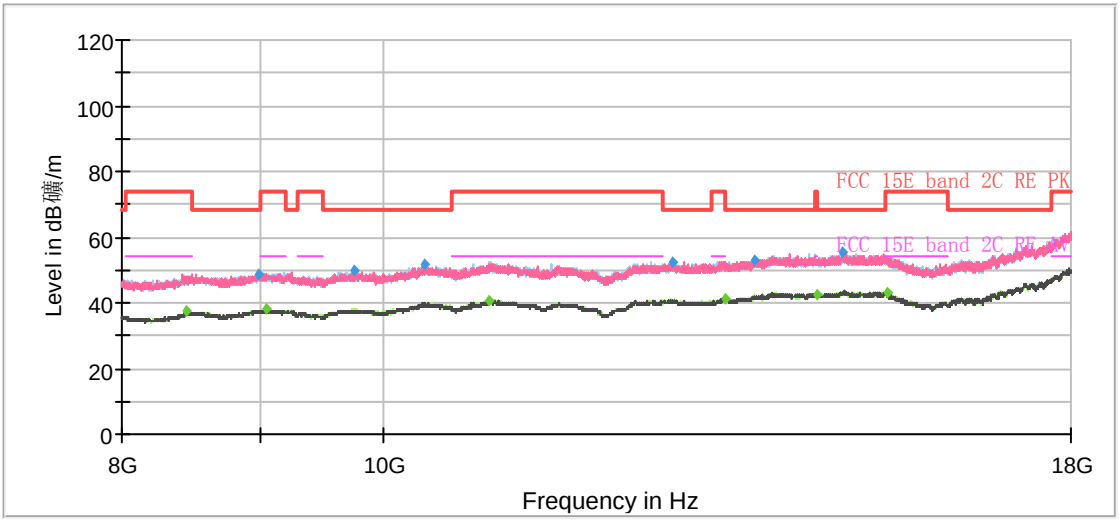


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1037.625000	---	37.69	54.00	16.31	200.0	V	76.0	-16.9
1273.875000	44.27	---	68.20	23.93	100.0	V	40.0	-15.9
1660.625000	---	36.08	54.00	17.92	200.0	V	32.0	-14.1
1749.875000	49.15	---	68.20	19.05	200.0	V	355.0	-13.6
2664.250000	57.31	---	68.20	10.89	100.0	V	279.0	-10.5
2805.125000	---	38.54	54.00	15.46	200.0	V	0.0	-9.9
3460.500000	52.69	---	68.20	15.51	100.0	H	359.0	-7.2
3992.500000	---	41.77	54.00	12.23	200.0	V	126.0	-5.4
4948.875000	---	45.25	54.00	8.75	200.0	H	0.0	-1.6
5328.625000	57.49	---	68.20	10.71	200.0	V	8.0	-1.2
7262.375000	---	47.63	54.00	6.37	200.0	V	0.0	2.9
7895.875000	59.29	---	68.20	8.91	200.0	V	0.0	2.5

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

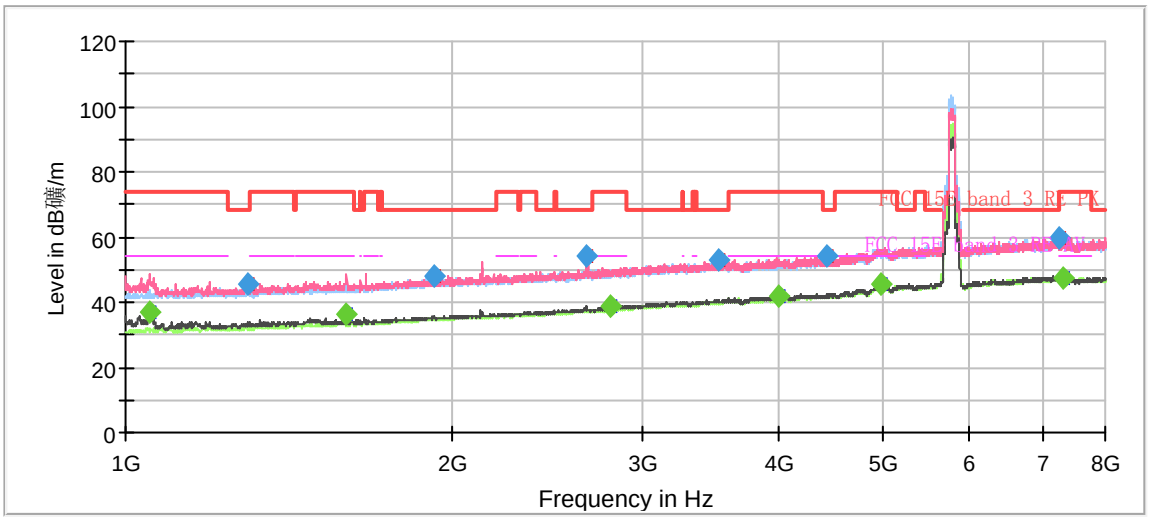


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8456.25	---	37.66	54.00	16.34	100.0	H	0.00	-2
8995.00	48.84	---	68.20	19.36	200.0	V	144.00	-2
9046.25	---	38.00	54.00	16.00	100.0	H	224.00	-2
9762.50	49.57	---	68.20	18.63	200.0	V	358.00	-2
10360.00	51.84	---	68.20	16.36	100.0	H	328.00	0
10947.50	---	40.91	54.00	13.09	100.0	H	358.00	0
12797.50	52.40	---	68.20	15.80	200.0	V	70.00	2
13393.75	---	41.28	54.00	12.72	200.0	H	14.00	3
13732.50	53.22	---	68.20	14.98	200.0	H	3.00	4
14483.75	---	42.54	54.00	11.46	100.0	V	3.00	5
14807.50	55.31	---	68.20	12.89	200.0	H	182.00	5
15378.75	---	43.19	54.00	10.81	100.0	H	242.00	4

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11ac (VHT80) CH155

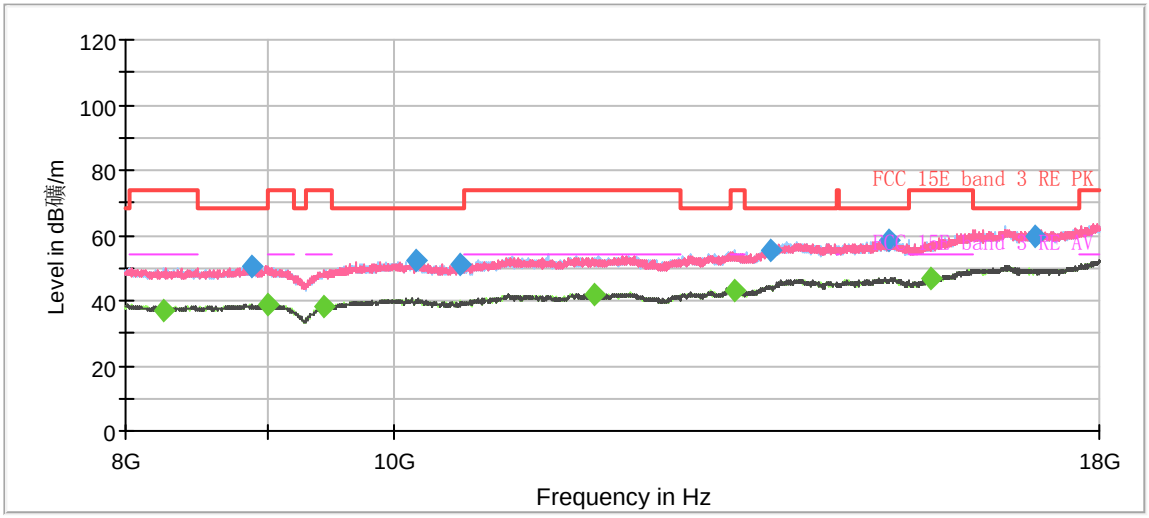


Radiates Emission from 1GHz to 8GHz

Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1052.500000	---	36.67	54.00	17.33	200.0	V	69.0	-16.9
1294.875000	45.39	---	68.20	22.81	200.0	V	206.0	-15.8
1597.625000	---	36.11	54.00	17.89	100.0	V	49.0	-14.4
1922.250000	47.91	---	68.20	20.29	200.0	V	69.0	-12.9
2659.875000	53.88	---	68.20	14.32	200.0	V	133.0	-10.5
2798.125000	---	38.57	54.00	15.43	200.0	V	222.0	-9.9
3514.750000	52.63	---	68.20	15.57	200.0	V	125.0	-7.0
3995.125000	---	41.73	54.00	12.27	200.0	V	117.0	-5.4
4436.125000	54.03	---	68.20	14.17	200.0	V	85.0	-4.2
4960.250000	---	45.50	54.00	8.50	100.0	V	179.0	-1.6
7248.375000	59.48	---	68.20	8.72	100.0	V	122.0	2.8
7303.500000	---	47.56	54.00	6.44	100.0	H	283.0	2.9

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

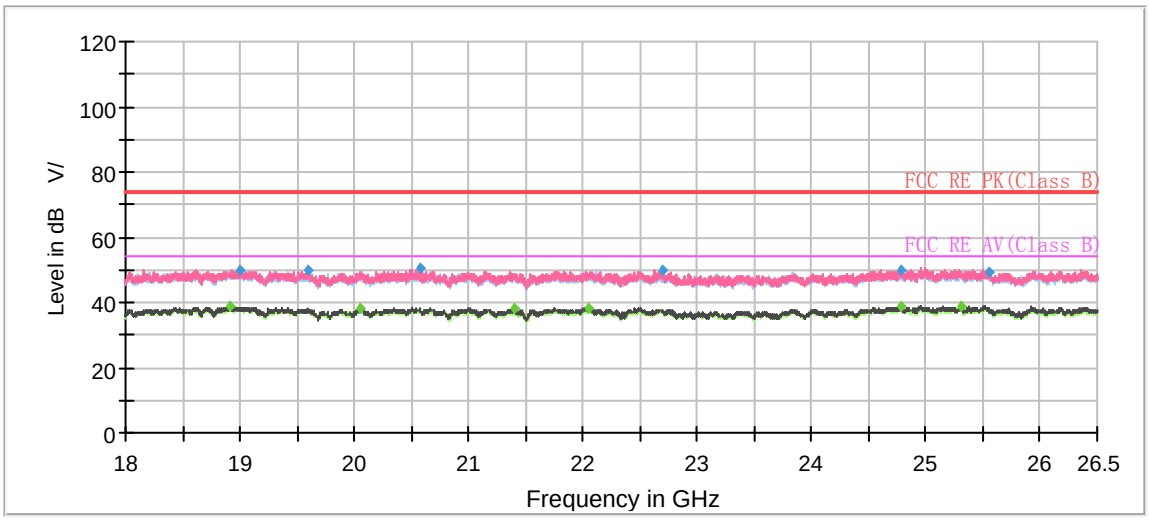


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
8263.750000	---	37.07	54.00	16.93	200.0	H	240.0	-7.5
8888.750000	50.39	---	68.20	17.81	200.0	V	284.0	-6.9
9011.250000	---	38.78	54.00	15.22	100.0	H	61.0	-6.7
9433.750000	---	37.99	54.00	16.01	200.0	V	327.0	-5.8
10196.250000	52.24	---	68.20	15.96	100.0	V	0.0	-5.3
10575.000000	50.83	---	68.20	17.37	200.0	V	38.0	-4.9
11812.500000	---	41.85	54.00	12.15	200.0	V	17.0	-3.8
13285.000000	---	43.33	54.00	10.67	100.0	H	0.0	-2.1
13701.250000	55.65	---	68.20	12.55	200.0	H	146.0	-0.4
15117.500000	58.30	---	68.20	9.90	100.0	H	185.0	1.7
15638.750000	---	46.86	54.00	7.14	200.0	V	38.0	2.2
17075.000000	59.79	---	68.20	8.41	100.0	H	299.0	4.9

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

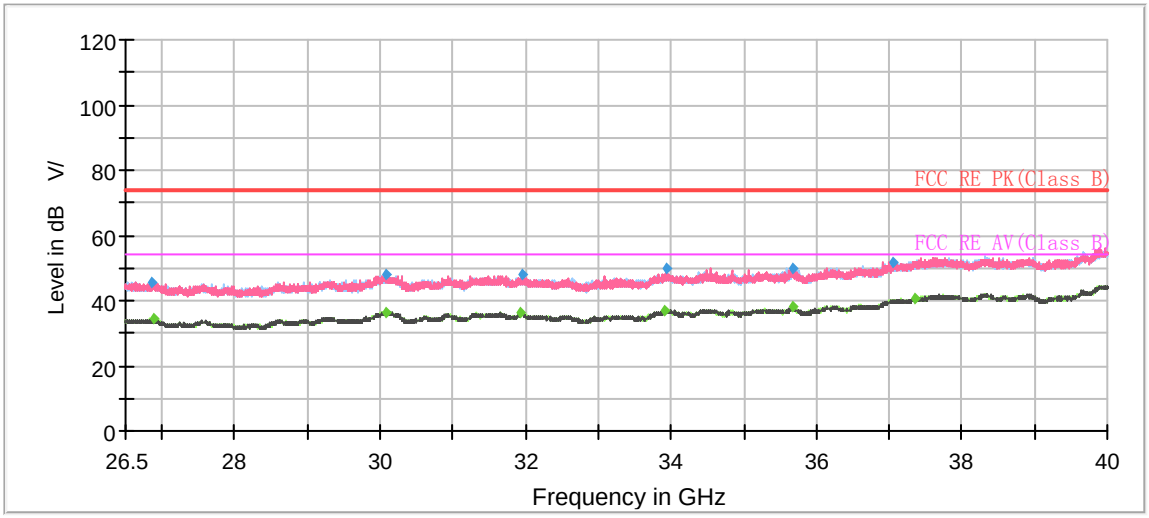
During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11a, Channel 52 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
18915.88	---	38.65	54.00	15.35	100.0	V	312.00	-2
19001.94	50.11	---	74.00	23.89	100.0	V	0.00	-1
19595.88	49.61	---	74.00	24.39	100.0	V	98.00	-1
20058.06	---	38.31	54.00	15.69	100.0	V	113.00	-1
20571.25	50.16	---	74.00	23.84	100.0	H	172.00	0
21398.94	---	38.01	54.00	15.99	100.0	V	64.00	0
22055.56	---	38.14	54.00	15.86	200.0	V	264.00	1
22690.94	49.82	---	74.00	24.18	100.0	V	282.00	2
24776.63	---	38.55	54.00	15.45	100.0	V	338.00	3
24788.31	49.91	---	74.00	24.09	200.0	V	322.00	3
25310.00	---	38.93	54.00	15.07	100.0	V	98.00	3
25548.00	49.35	---	74.00	24.65	100.0	H	137.00	3

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
26856.06	45.40	---	74.00	28.60	200.0	V	316.00	7
26896.56	---	34.31	54.00	19.69	100.0	V	155.00	7
30079.19	---	36.36	54.00	17.64	100.0	H	172.00	7
30087.63	47.95	---	74.00	26.05	100.0	V	276.00	7
31921.94	---	36.14	54.00	17.86	100.0	V	204.00	9
31948.94	47.72	---	74.00	26.28	100.0	V	329.00	9
33925.00	---	37.20	54.00	16.80	200.0	H	263.00	8
33928.38	49.97	---	74.00	24.03	200.0	H	159.00	8
35664.81	---	38.02	54.00	15.98	100.0	H	355.00	8
35669.88	49.62	---	74.00	24.38	200.0	V	232.00	8
37065.44	51.82	---	74.00	22.18	100.0	H	275.00	10
37342.19	---	40.57	54.00	13.43	200.0	V	0.00	11

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

5.6. Conducted Emission

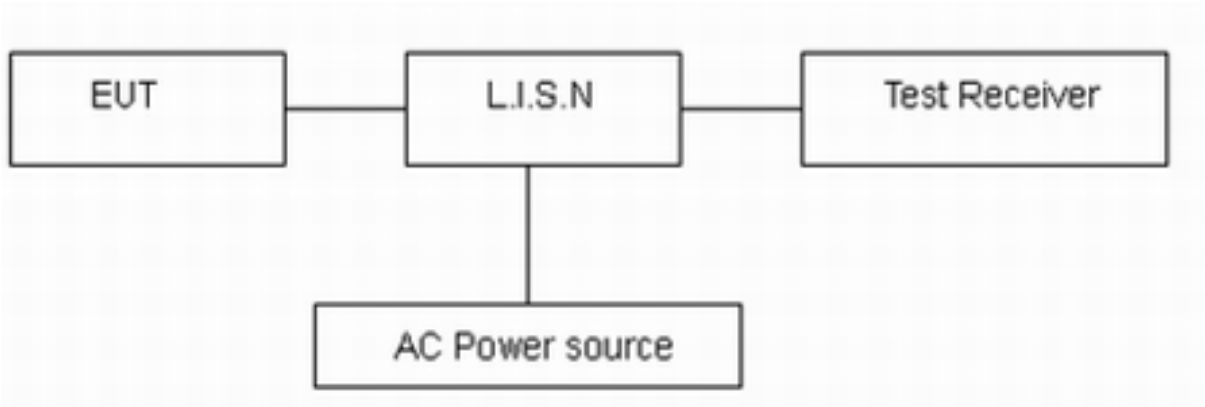
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

The EUT IS placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10.Connect the AC power line of the EUT to the LISN Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9kHz, VBW is set to 30kHz The measurement result should include both L line and N line.
The test is in transmitting mode.

Test Setup



Note: AC Power source is used to change the voltage 110V/60Hz.

Limits

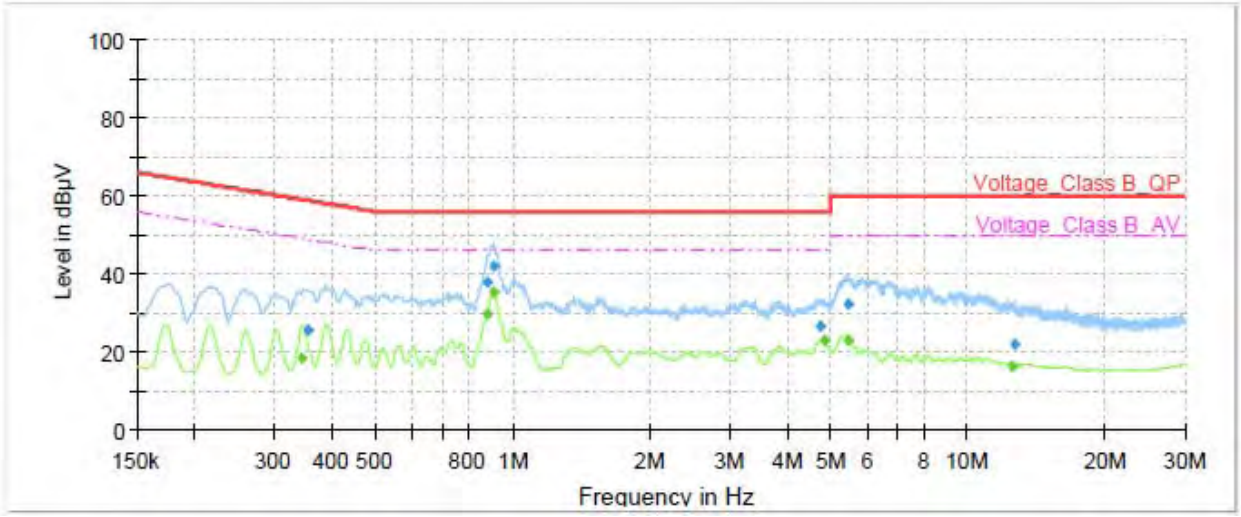
Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50
*: Decreases with the logarithm of the frequency.		

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96, U= 2.69 dB.

Test Results:

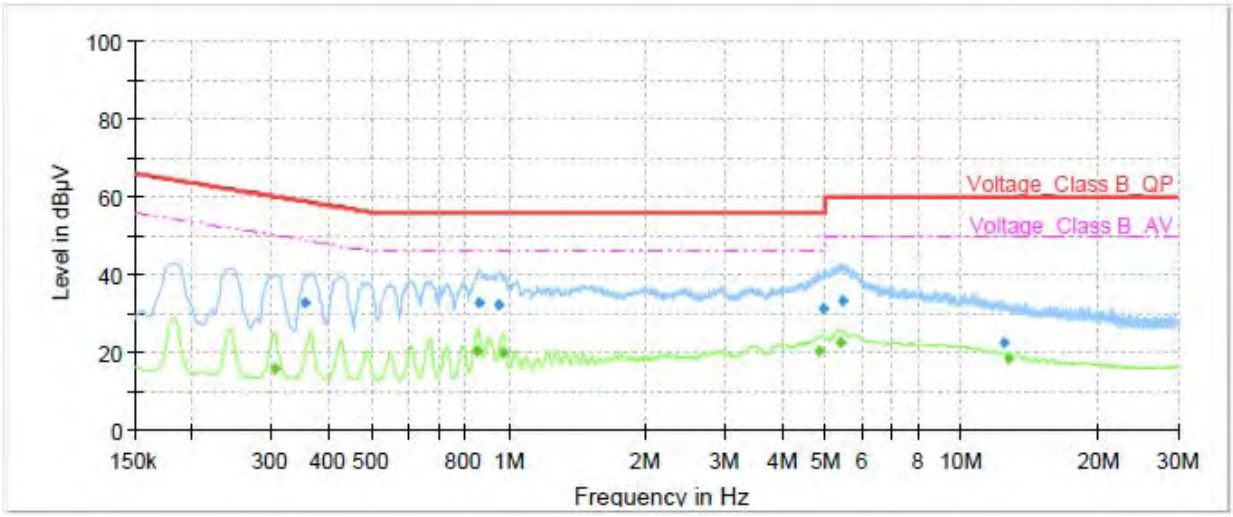
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes with all channels, 802.11a, Channel 52 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.35	---	18.38	49.06	30.68	1000.00	9.000	L1	ON	21
0.35	25.55	---	58.85	33.30	1000.00	9.000	L1	ON	21
0.88	---	29.96	46.00	16.04	1000.00	9.000	L1	ON	20
0.88	38.17	---	56.00	17.83	1000.00	9.000	L1	ON	20
0.91	41.96	---	56.00	14.04	1000.00	9.000	L1	ON	20
0.91	---	35.19	46.00	10.81	1000.00	9.000	L1	ON	20
4.72	26.60	---	56.00	29.40	1000.00	9.000	L1	ON	19
4.82	---	22.93	46.00	23.07	1000.00	9.000	L1	ON	19
5.43	---	23.05	50.00	26.95	1000.00	9.000	L1	ON	19
5.47	32.48	---	60.00	27.52	1000.00	9.000	L1	ON	19
12.50	---	16.35	50.00	33.65	1000.00	9.000	L1	ON	20
12.69	21.86	---	60.00	38.14	1000.00	9.000	L1	ON	20

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 KHz to 30 MHz



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.31	---	16.13	50.10	33.97	1000.00	9.000	N	ON	21
0.36	32.71	---	58.80	26.09	1000.00	9.000	N	ON	21
0.86	---	20.56	46.00	25.44	1000.00	9.000	N	ON	20
0.86	32.70	---	56.00	23.30	1000.00	9.000	N	ON	20
0.95	32.34	---	56.00	23.66	1000.00	9.000	N	ON	20
0.97	---	19.77	46.00	26.23	1000.00	9.000	N	ON	20
4.86	---	20.71	46.00	25.29	1000.00	9.000	N	ON	19
4.94	31.35	---	56.00	24.65	1000.00	9.000	N	ON	19
5.37	---	22.50	50.00	27.50	1000.00	9.000	N	ON	19
5.46	33.57	---	60.00	26.43	1000.00	9.000	N	ON	19
12.43	22.33	---	60.00	37.67	1000.00	9.000	N	ON	20
12.65	---	18.22	50.00	31.78	1000.00	9.000	N	ON	20

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 KHz to 30 MHz

6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Power Sensor	R&S	NRP18S	101954	2021-05-15	2022-05-14
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420163	2021-12-12	2022-12-11
Climate Chamber	ESPEC	SU-242	93000506	2021-12-12	2022-12-11
EMI Test Receiver	R&S	ESCI7	100936	2021-12-12	2022-12-11
Signal Analyzer	R&S	FSV40	100815	2021-05-15	2022-05-14
Signal Analyzer	R&S	FSV30	103591	2021-05-15	2022-05-14
TRILOG Broadband Antenna	SCHWARZBECK	9163	391	2020-05-05	2023-05-04
Horn Antenna	Schwarzbeck	BBHA 9120D	430	2019-12-16	2022-12-15
Horn Antenna	ETS-Lindgren	3160-09	00102643	2020-08-11	2023-08-10
Horn Antenna	STEATITE	QSH-SL-26-40 -K-15	16779	2019-12-24	2022-12-23
Software	R&S	EMC32	9.26.01	/	/
Artificial main network	R&S	ENV216	102191	2020-12-13	2022-12-12
EMI Test Receiver	R&S	ESR	101667	2021-05-15	2022-05-14
Software	R&S	EMC32	10.35.10	/	/

********END OF REPORT ********

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.