



RF TEST REPORT

Applicant	Huawei Technologies Co., Ltd.
FCC ID	QIS801HW
Product	Mobile WiFi
Model	801HW
Report No.	R1810H0143-R2
Issue Date	December 4, 2018

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15E (2018)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Performed by: Peng Tao

Approved by: Kai Xu

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Summary of measurement results

Number	Summary of measurements of results	Clause in FCC rules	Verdict
1	Unwanted Emissions	15.407(b)	PASS
Date of Testing: October 31, 2018~ November 26, 2018			



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

CNAS (accreditation number: L2264)

TA Technology (Shanghai) Co., Ltd. has obtained the accreditation of China National Accreditation Service for Conformity Assessment (CNAS).

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.

IC (recognition number is 8510A)

TA Technology (Shanghai) Co., Ltd. has been listed by industry Canada to perform electromagnetic emission measurement.

VCCI (recognition number is C-4595, T-2154, R-4113, G-10766)

TA Technology (Shanghai) Co., Ltd. has been listed by industry Japan to perform electromagnetic emission measurement.

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
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E-mail: xukai@ta-shanghai.com

2. General Description of Equipment under Test

Client Information

Applicant	Huawei Technologies Co., Ltd.
Applicant address	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.China.
Manufacturer	Huawei Technologies Co., Ltd.
Manufacturer address	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.China.

General information

EUT Description	
Model	801HW
IMEI	IMEI1: 868219040015429 IMEI2: 868219040018324
Hardware Version	CL1SB08M
Software Version	8.0.1.31(H60SP9C643)
Power Supply	Battery
Antenna Type	Internal Antenna
Antenna Gain	Antenna 1: 4.3dBi Antenna 2: 4.8 dBi MIMO: 3.2 dBi
additional beamforming gain	NA
Test Mode(s)	U-NII-1(5150MHz-5250MHz) U-NII-2A(5250MHz-5350MHz) U-NII-2C(5470MHz-5725MHz with 5600MHz -5650MHz)
Modulation Type	802.11a/n (HT20/HT40) : OFDM 802.11ac (VHT20/VHT40/VHT80): OFDM
Operating Frequency Range(s)	U-NII-1: 5150-5250MHz U-NII-2A: 5250-5350MHz U-NII-2C: 5470-5725MHz (with 5600MHz -5650MHz)
Operating temperature range:	0 ° C to 35° C
Operating voltage range:	3.45 V to 4.25V
State AC voltage:	3.8 V
EUT Accessory	
Battery	Manufacturer: Huawei Technologies Co.,Ltd. (SCUD (Fujian) Electronics Co., LTD.) Model: HB494590EBC-B
Note: The information of the EUT is declared by the manufacturer.	



3. Applied Standards

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

FCC CFR47 Part 15E (2018) Unlicensed National Information Infrastructure Devices

ANSI C63.10 (2013)

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output 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 lie-down position (X 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.

Band	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

The worst case Antenna mode for each of the following tests for Wi-Fi:

Test Cases	Antenna 1	Antenna 2	MIMO
Unwanted Emissions	802.11a	--	802.11n HT20/40 802.11ac VHT20/40/80
Note: "O": test all bands			



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	
			40 MHz	102	5510MHz
		110		5550MHz	
		118		5590MHz	
		126		5630MHz	
		134		5670MHz	
80 MHz		142	5710MHz		
		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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Does this device support TDWR Band? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

5. Test Case Results

5.1. 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 C63.10-2013. 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:

Below 1GHz (detector: Peak and Quasi-Peak)

RBW=100kHz / VBW=300kHz / Sweep=AUTO

Above 1GHz (detector: Peak):

I) Peak emission levels are measured by setting the instrument as follows:

- 1) RBW = 1 MHz.
- 2) VBW \geq [3 \times RBW]
- 3) Detector = peak.
- 4) Sweep time = auto.
- 5) Trace mode = max hold.
- 6) Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, then the time required for the trace to stabilize will increase by a factor of approximately 1 / D, where D is the duty cycle.

II) Average emission levels are measured by setting the instrument as follows:

- a) RBW = 1 MHz.
- b) VBW \geq [3 \times RBW].
- c) Detector = RMS (power averaging), if [span / (# of points in sweep)] \leq RBW / 2. Satisfying this condition can require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, then the detector mode shall be set to peak.
- 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.

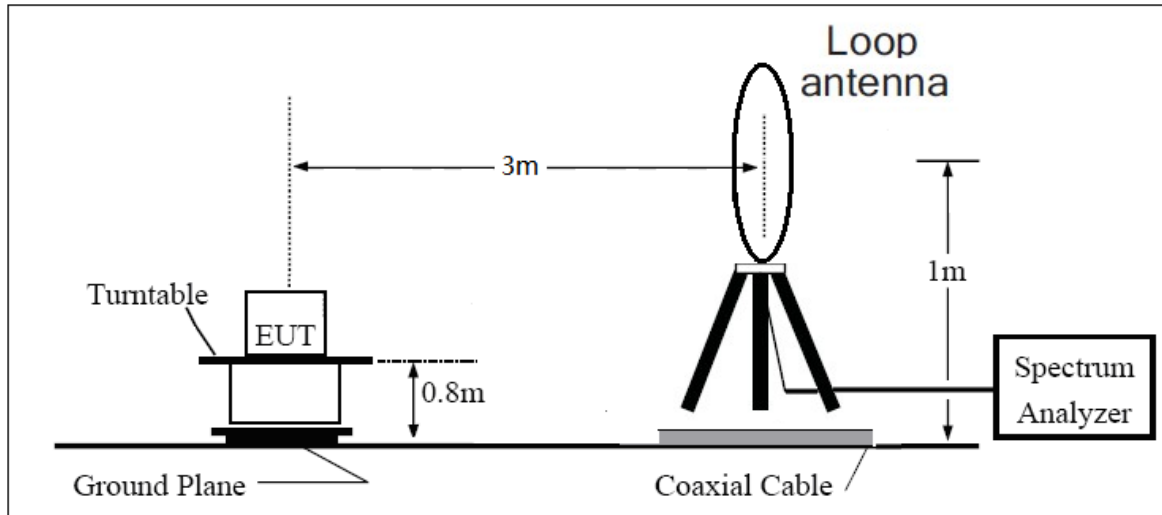
2) If linear voltage averaging mode was used in the preceding step e), then the correction factor is $[20 \log (1 / D)]$, where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB shall be added to the measured emission levels.

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.

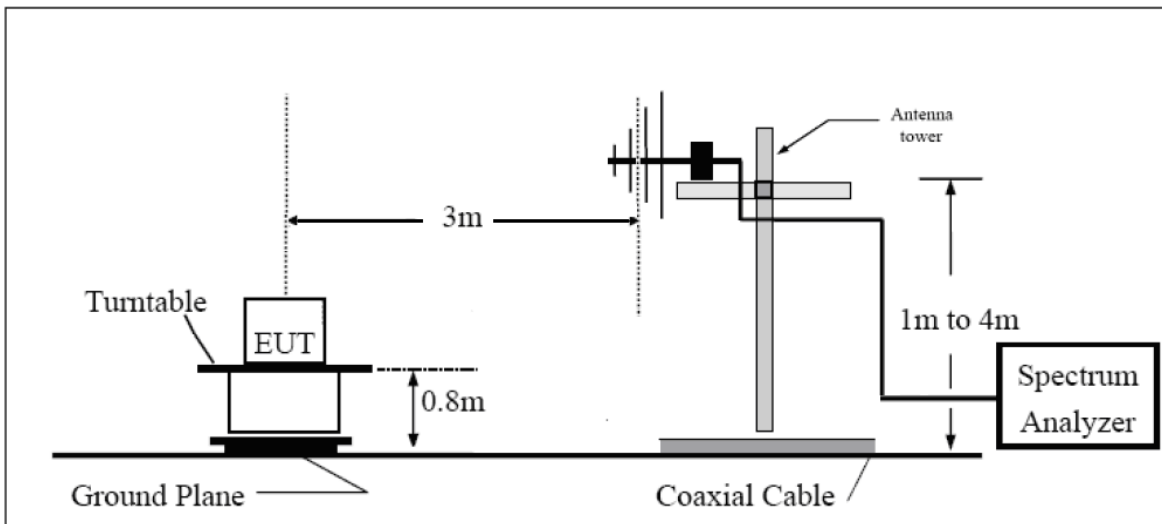
The field strength of spurious emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (X axis) and the loop antenna is vertical, others antenna are vertical and horizontal.

The test is in transmitting mode.

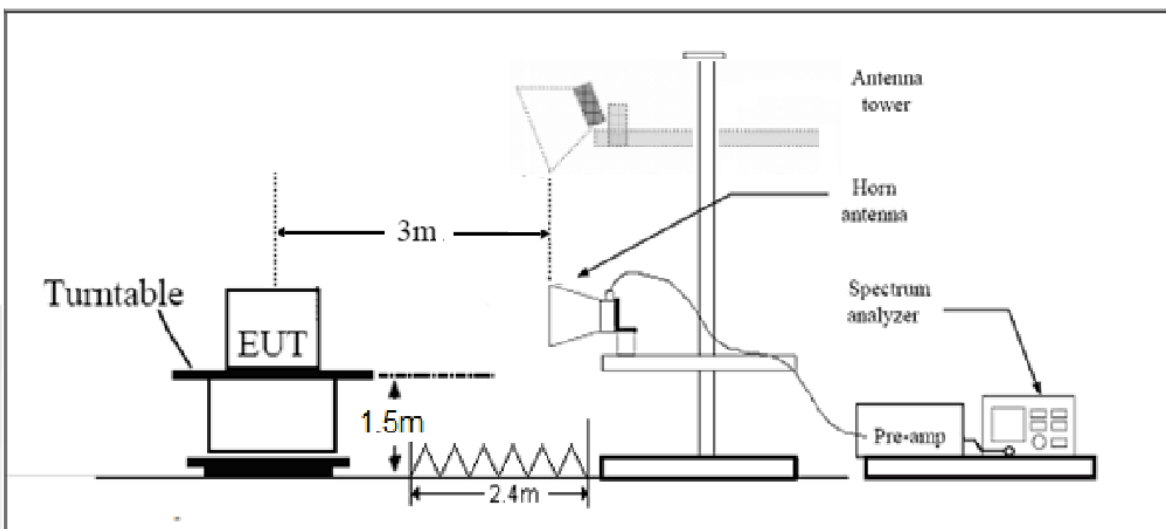
9KHz~~~30MHz



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、 $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77$, where E = field strength and

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

§2、 $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] + 95.2$, 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
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 $k = 1.96$.

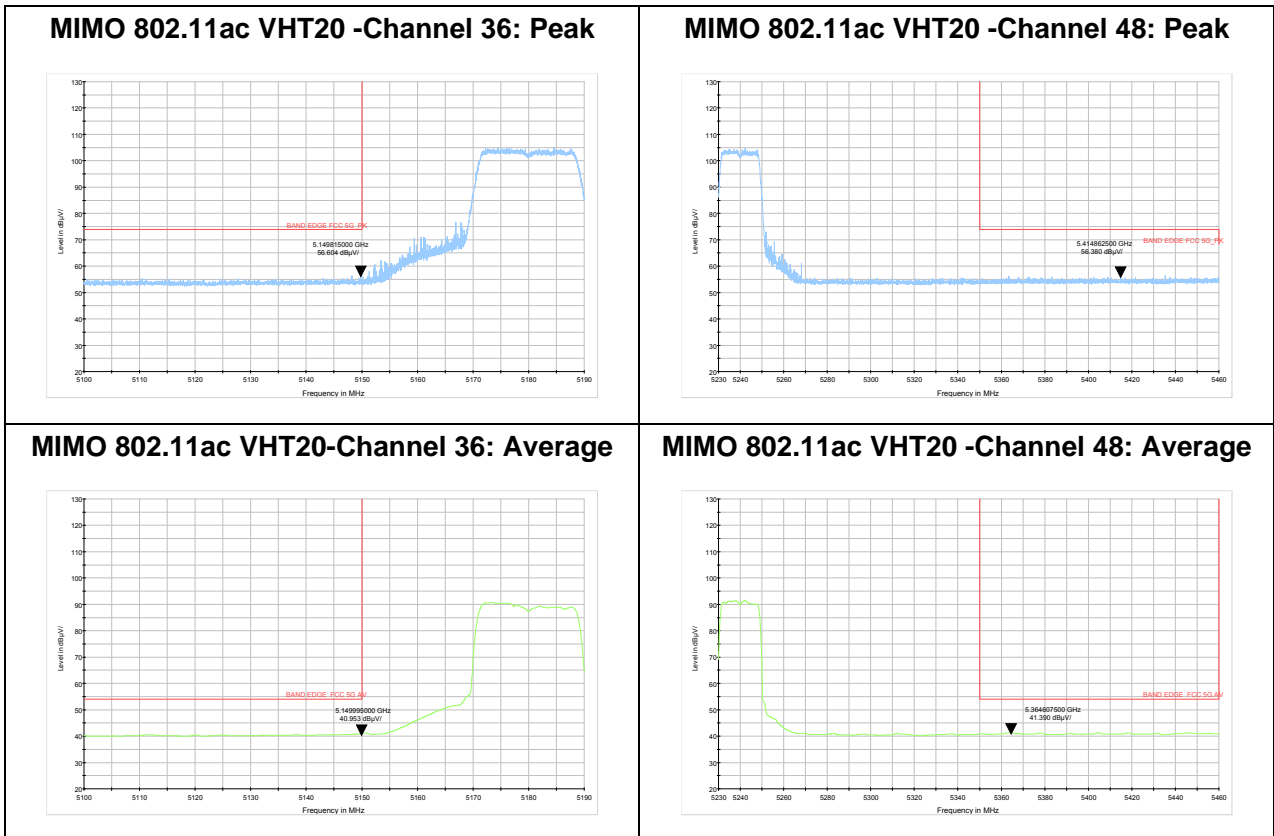
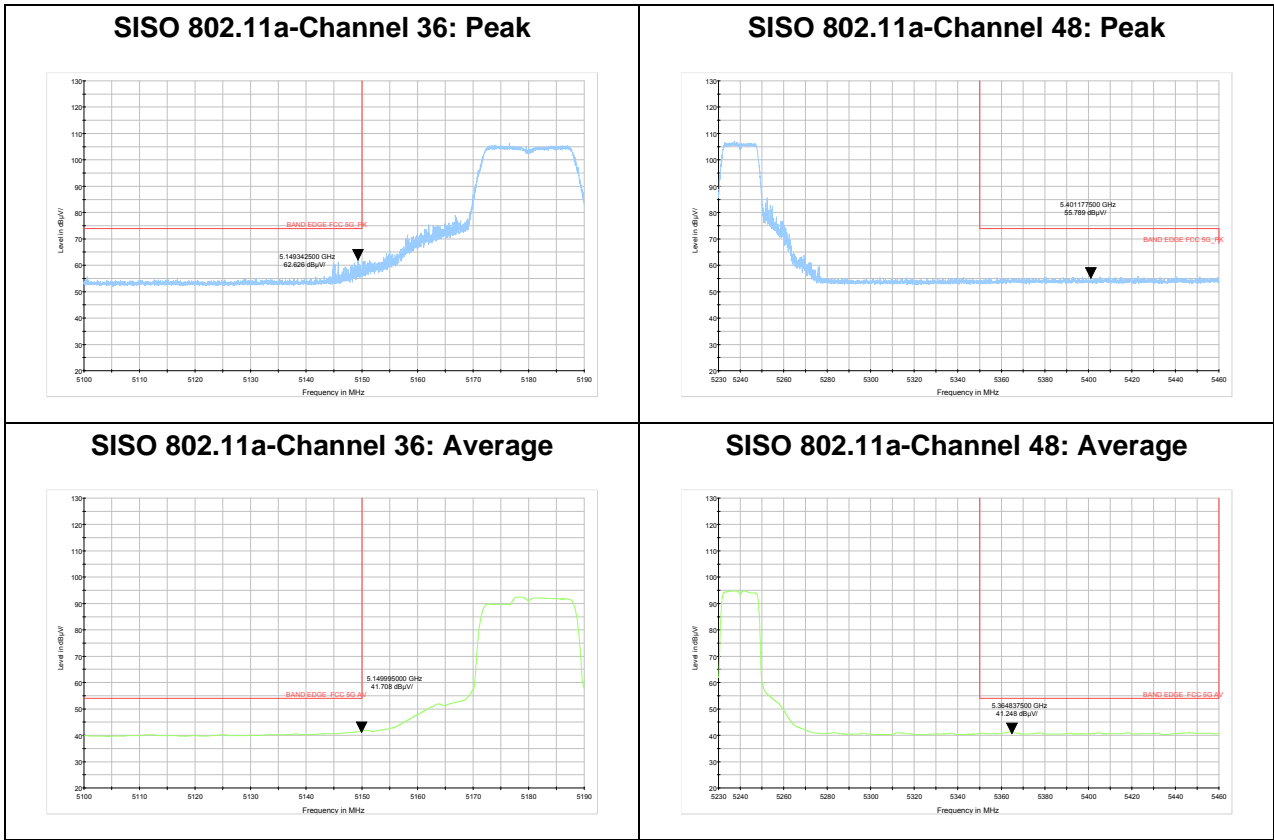
Frequency	Uncertainty
9KHz-30MHz	3.55dB
30MHz-200MHz	4.016dB
200MHz-1GHz	3.28dB
1GHz-18G	3.70dB
18GHz-26.5GHz	5.78dB
26.5G-40GHz	5.82dB



Test Results:

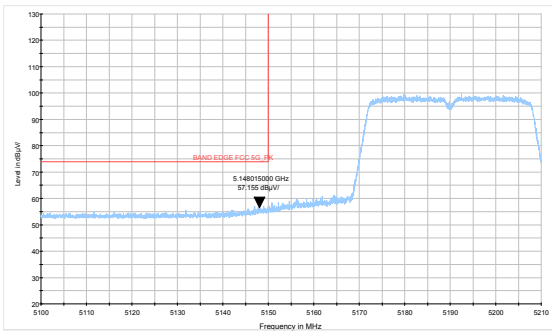
The signal beyond the limit is carrier.

U-NII-1

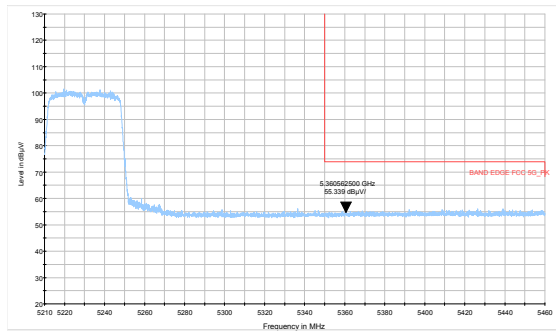




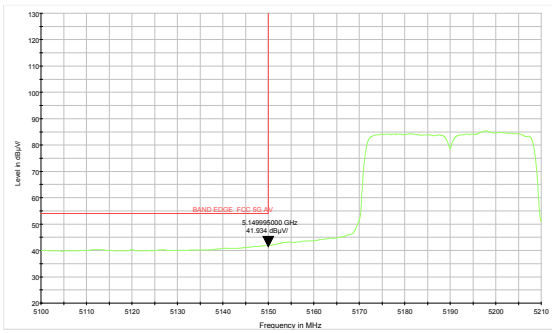
MIMO 802.11ac VHT40-Channel 38: Peak



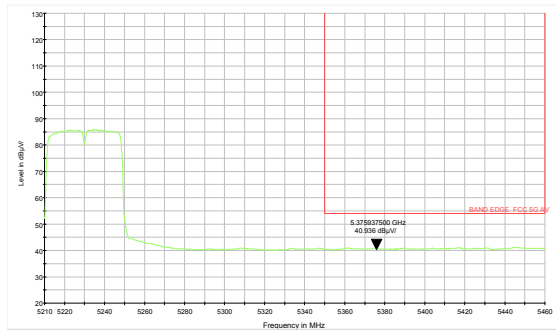
MIMO 802.11ac VHT40-Channel 46: Peak



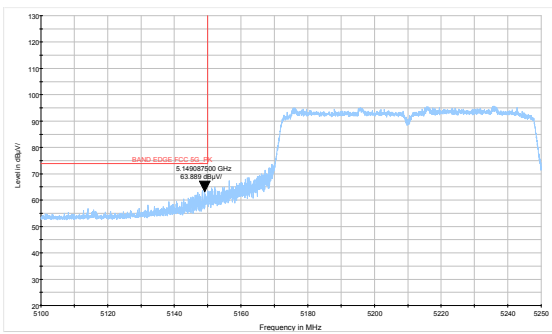
MIMO 802.11ac VHT40-Channel 38: Average



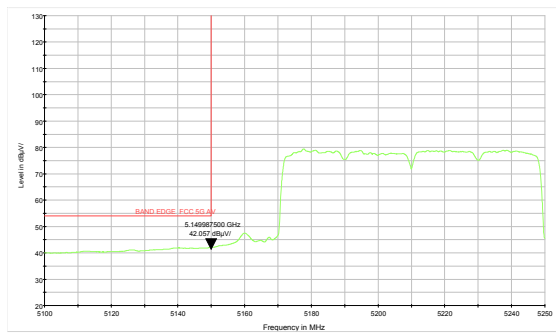
MIMO 802.11ac VHT40-Channel 46: Average



MIMO 802.11ac VHT80 -Channel 42: Peak



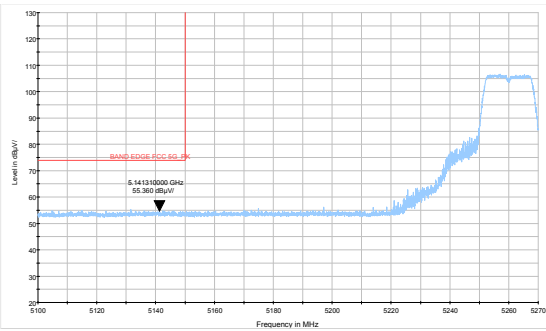
MIMO 802.11ac VHT80- Channel 42: Average



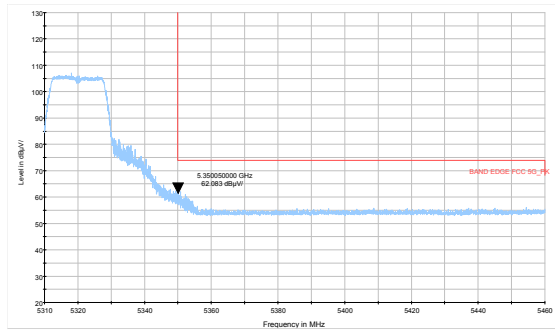


U-NII-2A

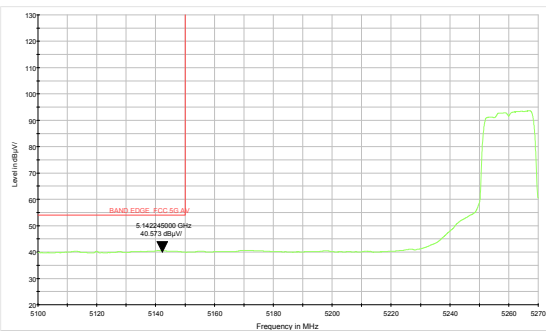
SISO 802.11a-Channel 52: Peak



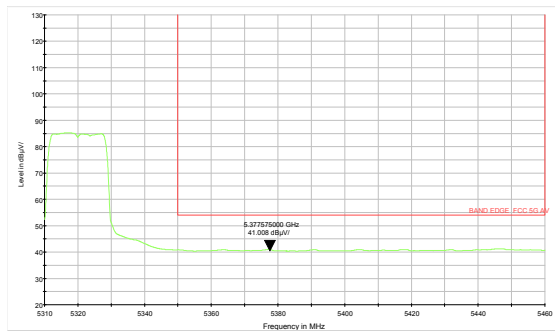
SISO 802.11a-Channel 64: Peak



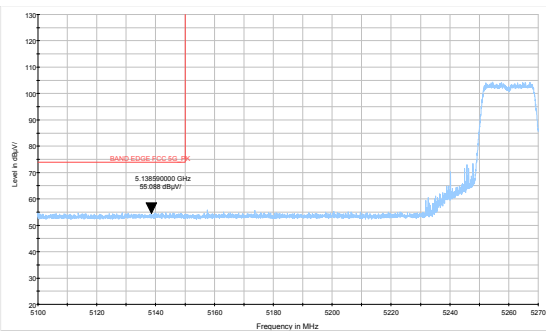
SISO 802.11a-Channel 52: Average



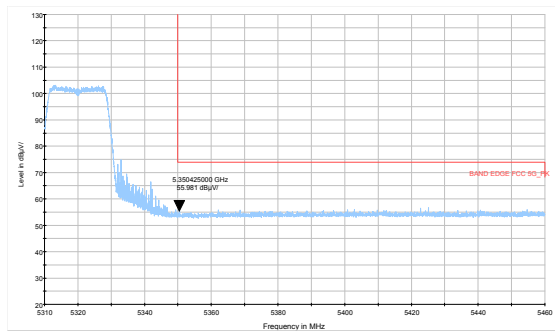
SISO 802.11a-Channel 64: Average



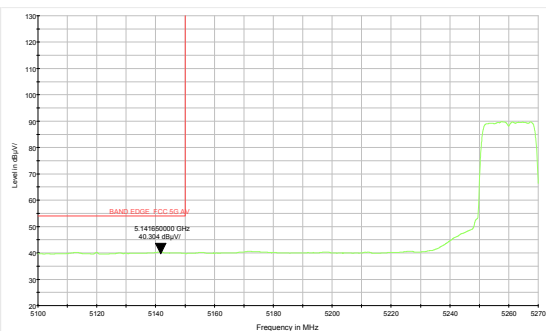
MIMO 802.11ac VHT20 -Channel 52: Peak



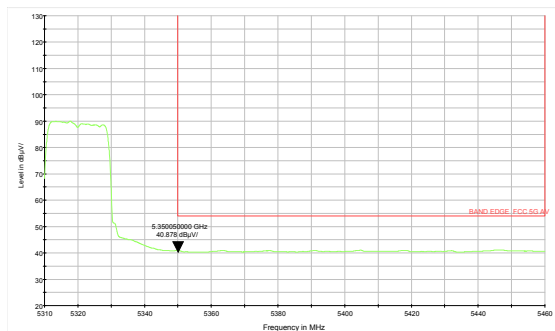
MIMO 802.11ac VHT20 -Channel 64: Peak



MIMO 802.11ac VHT20-Channel 52: Average

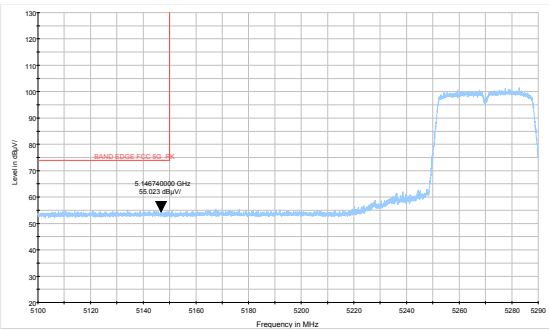


MIMO 802.11ac VHT20 -Channel 64: Average

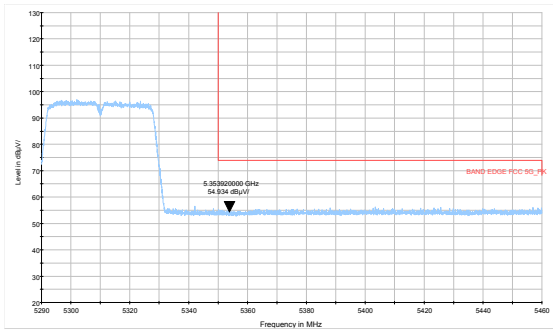




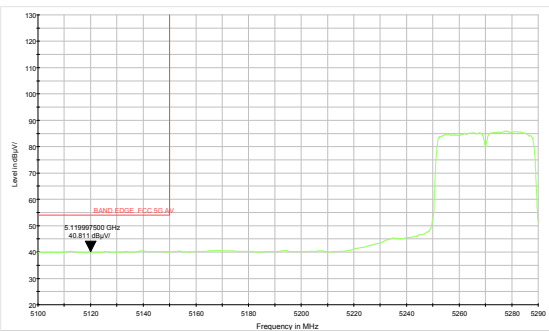
MIMO 802.11ac VHT40-Channel 54: Peak



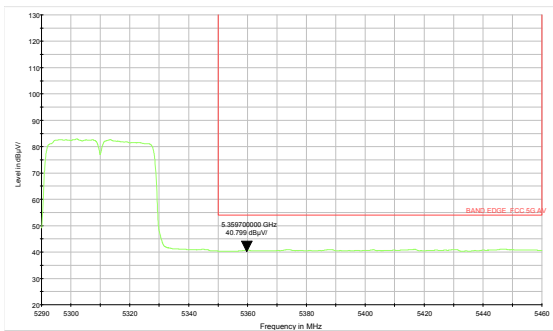
MIMO 802.11ac VHT40-Channel 62: Peak



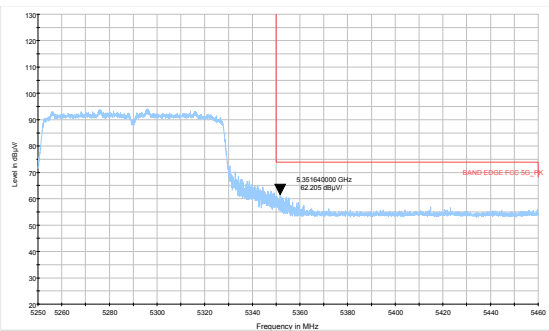
MIMO 802.11ac VHT40-Channel 54: Average



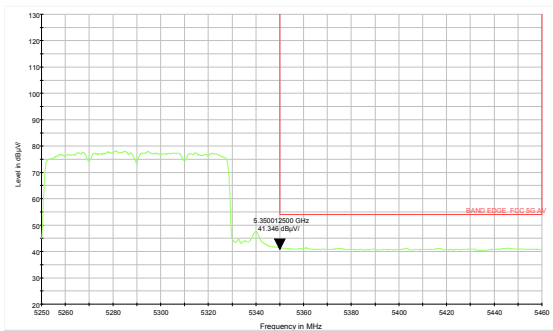
MIMO 802.11ac VHT40-Channel 62: Average



MIMO 802.11ac VHT80 -Channel 58: Peak



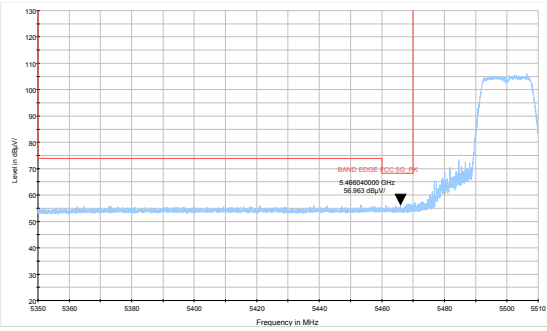
MIMO 802.11ac VHT80- Channel 58: Average



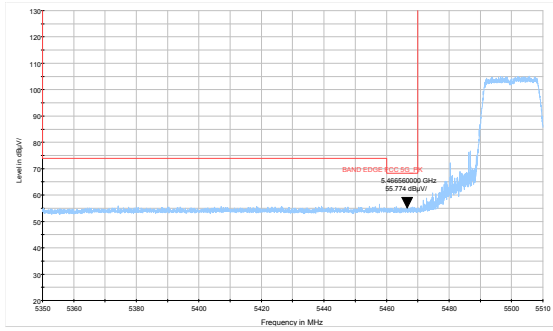


U-NII-2C

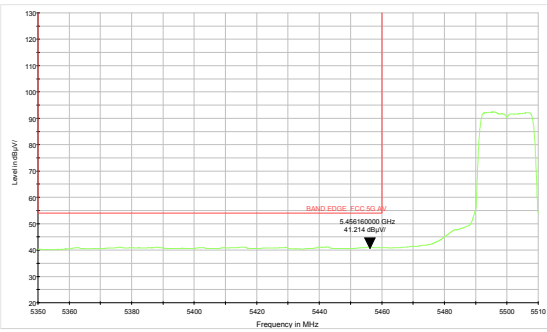
SISO 802.11a-Channel 100: Peak



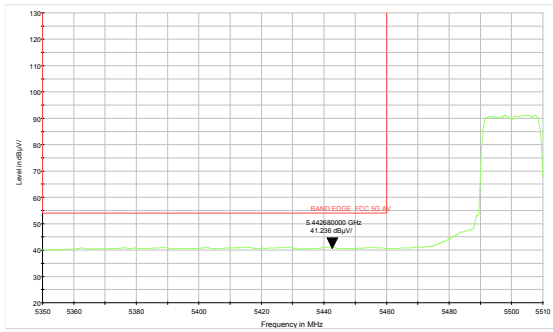
MIMO 802.11ac VHT20-Channel 100: Peak



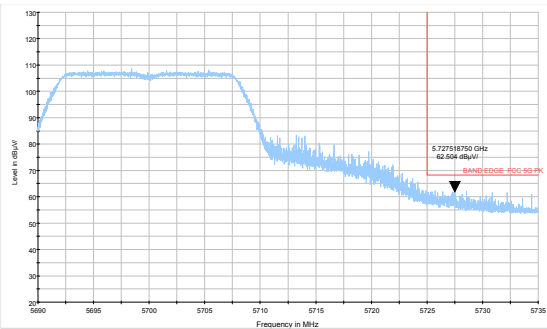
SISO 802.11a-Channel 100: Average



MIMO 802.11ac VHT20-Channel 100: Average

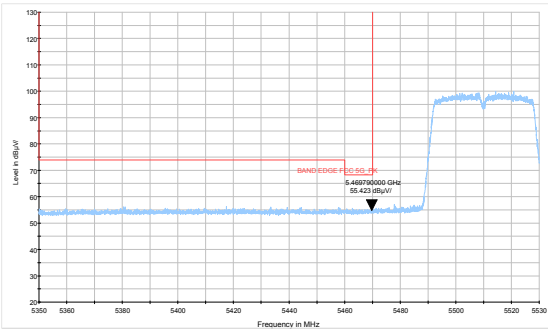


SISO 802.11a-Channel 140: Peak

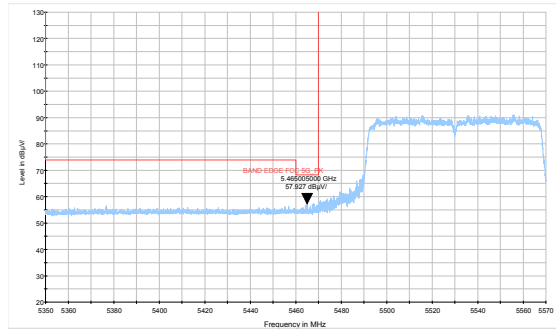




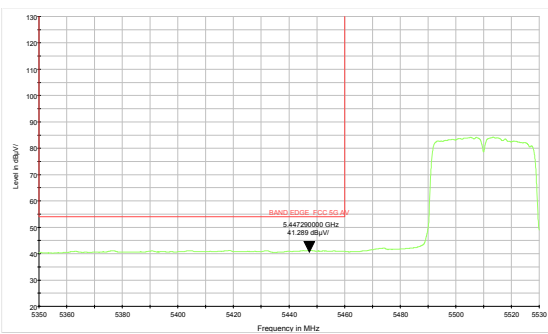
MIMO 802.11ac VHT40-Channel 102: Peak



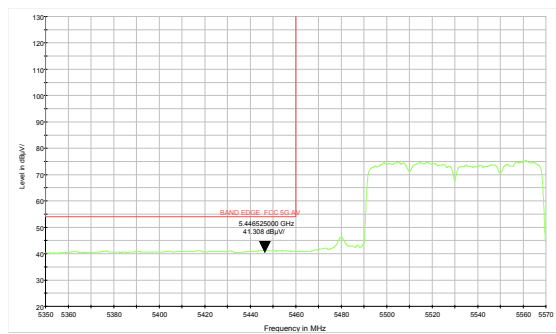
MIMO 802.11ac VHT80 -Channel 106: Peak



MIMO 802.11ac VHT40- Channel 102: Average



MIMO 802.11ac VHT80- Channel 106: Average



Result of RE

Test result

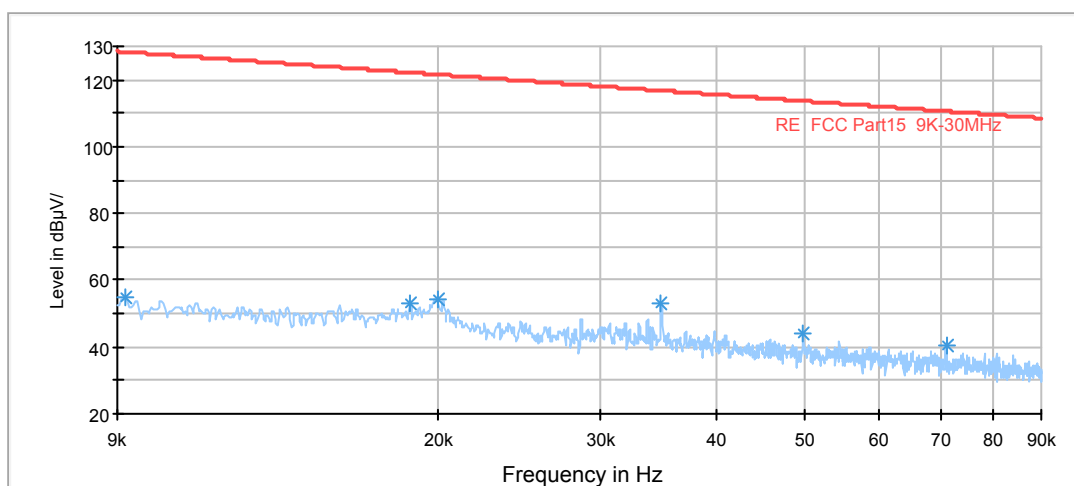
Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the Emissions in the frequency band 9kHz-30MHz and 26.5GHz-40GHz are more than 20dB below the limit are not reported.

After the pretest, MIMO was selected as the worst antenna. SISO Antenna 1 was selected as the worst SISO antenna.

During the test, the Radiates Emission from 9kHz to 1GHz was performed in all modes with all channels, 802.11ac (HT40) Channel 102 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

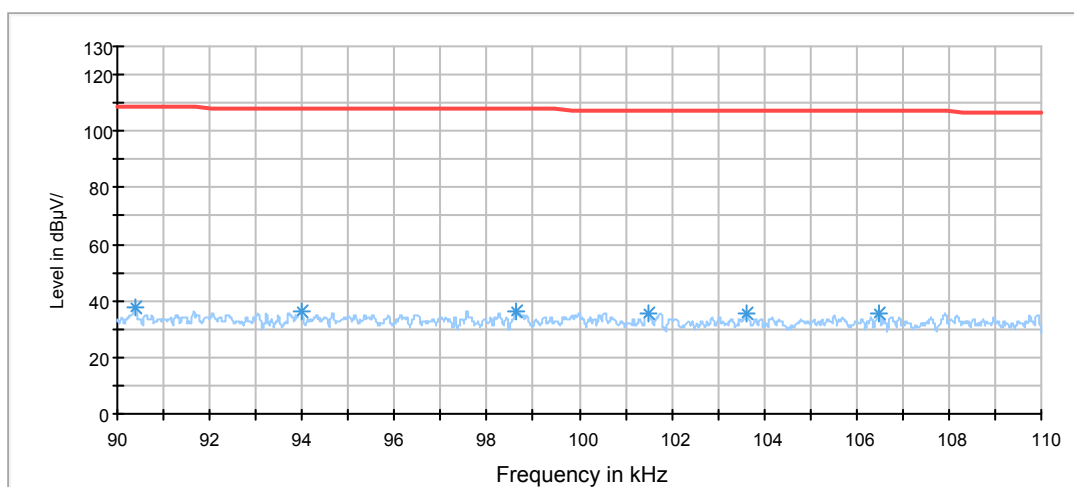
Continuous TX mode:

FCC RE 9K-90KHz AV



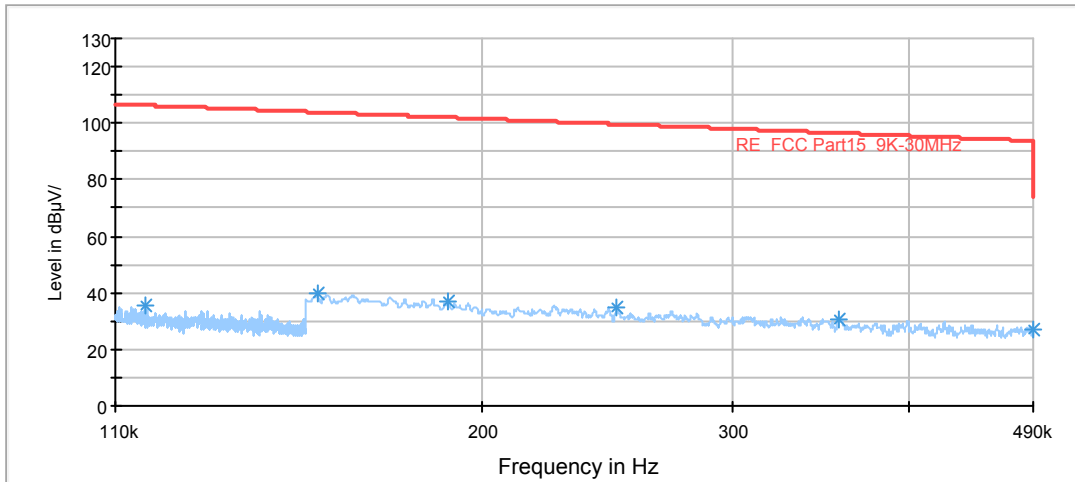
Radiates Emission from 9KHz to 90KHz

FCC RE 90K-110KHz QP



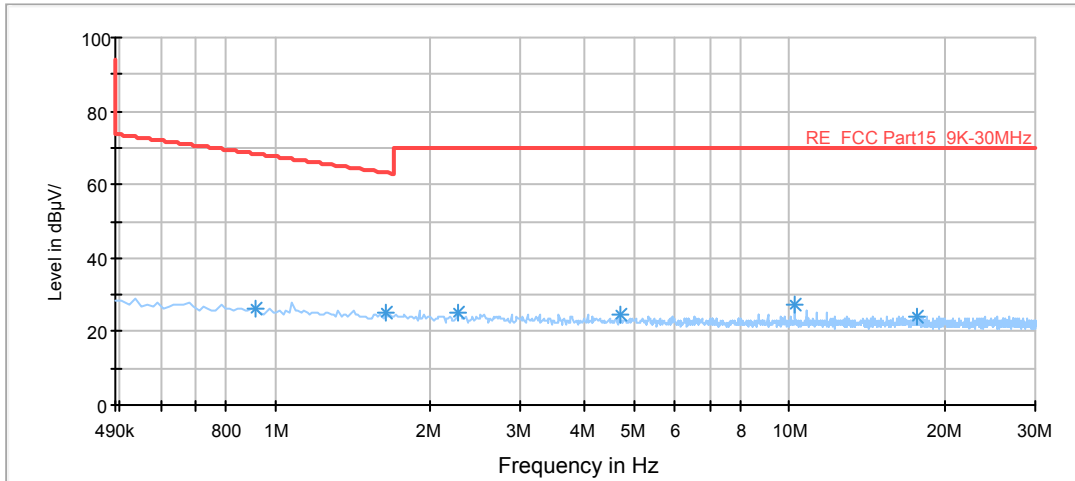
Radiates Emission from 90KHz to 110KHz

FCC RE 110K-490KHz AV



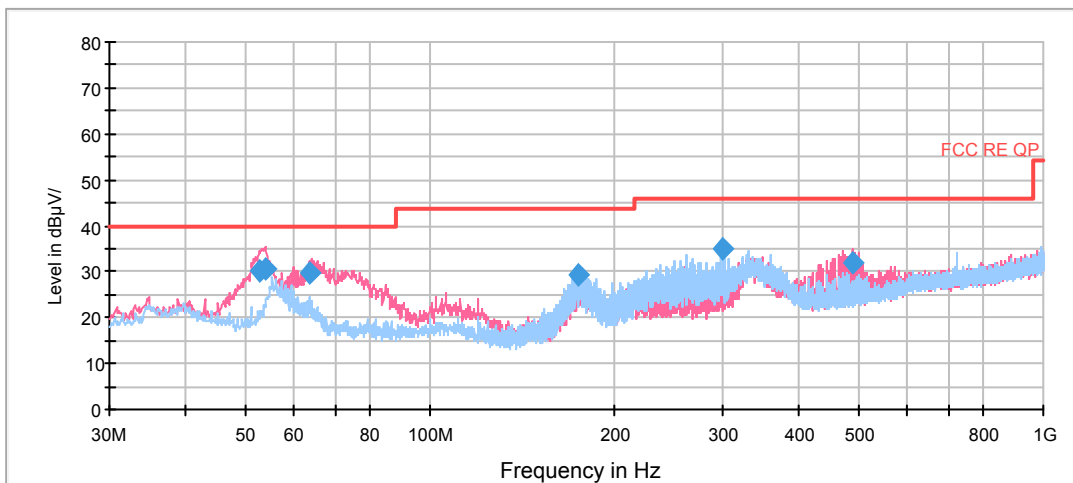
Radiates Emission from 110KHz to 490KHz

FCC RE 490K-30MHz QP



Radiates Emission from 490KHz to 30MHz

RE 0.03-1GHz QP Class B



Radiates Emission from 30MHz to 1GHz

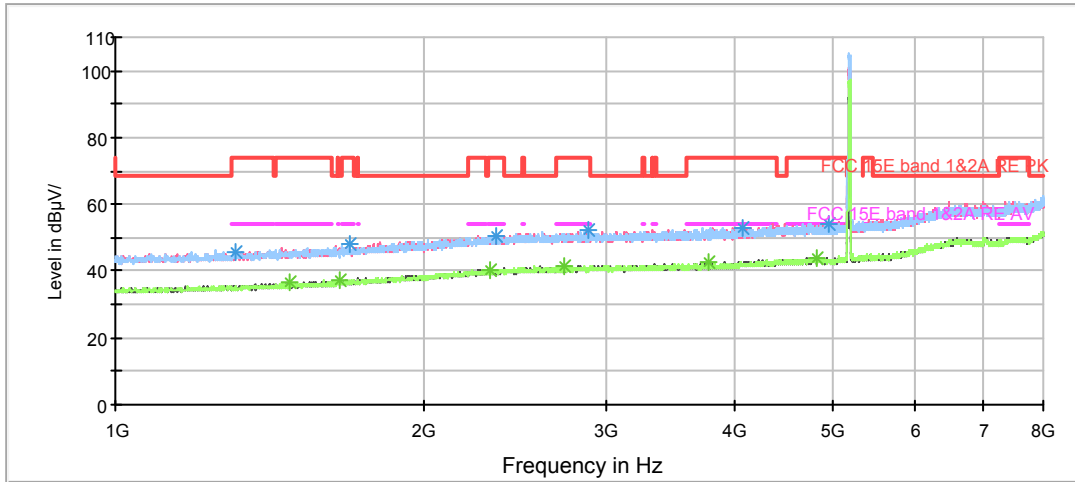
Frequency (MHz)	Quasi-Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.913750	30.2	16.3	100.0	V	47.0	13.9	9.8	40.0
53.766250	30.5	16.8	100.0	V	47.0	13.7	9.5	40.0
63.511250	29.9	17.4	100.0	V	21.0	12.5	10.1	40.0
173.965000	29.4	18.6	200.0	H	110.0	10.8	14.1	43.5
299.856250	35.1	19.8	100.0	H	74.0	15.3	10.9	46.0
487.436250	32.0	11.5	100.0	V	342.0	20.5	14.0	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)
 3. Margin = Limit – Quasi-Peak



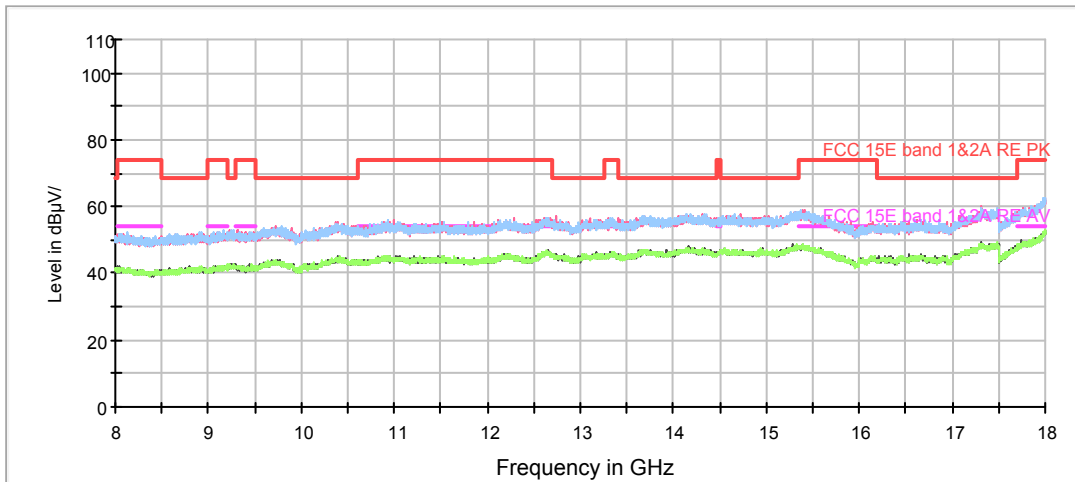
SISO
802.11a CH36

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1307.125000	46.0	200.0	H	10.0	46.5	-0.5	28.0	74
1693.000000	47.8	100.0	H	2.0	46.1	1.7	26.2	74
2343.125000	50.7	200.0	H	358.0	45.5	5.2	23.3	74
2892.625000	52.1	100.0	V	44.0	45.7	6.4	21.9	74
4080.875000	53.2	100.0	V	255.0	45.0	8.2	20.8	74
4948.000000	54.0	100.0	V	310.0	44.4	9.6	20.0	74

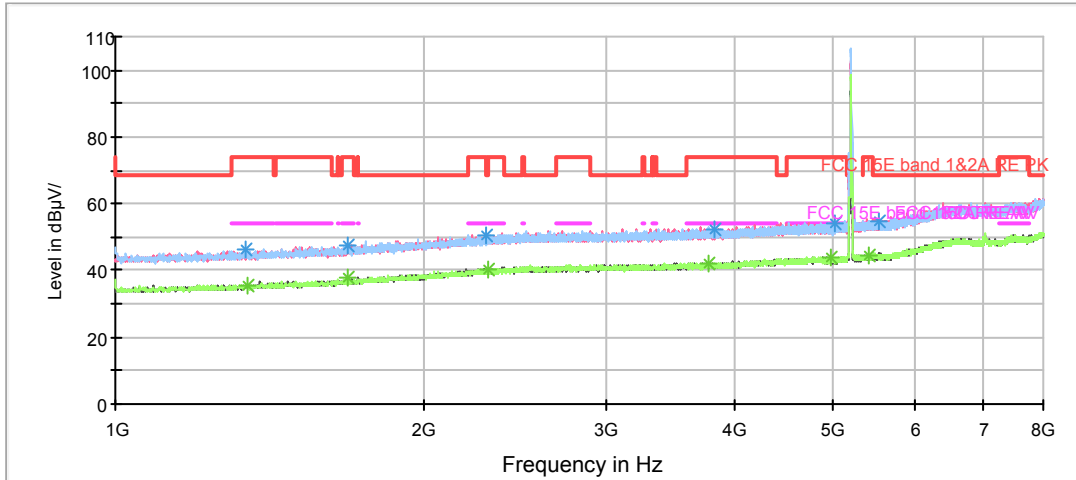
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1480.375000	36.4	100.0	V	228.0	36.0	0.4	17.6	54
1650.125000	37.2	200.0	H	358.0	35.8	1.4	16.8	54
2317.750000	40.5	100.0	V	119.0	35.5	5.0	13.5	54
2740.375000	41.7	100.0	H	82.0	35.6	6.1	12.3	54
3786.875000	42.9	200.0	V	277.0	35.3	7.6	11.1	54
4809.750000	44.0	100.0	V	160.0	34.5	9.5	10.0	54

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

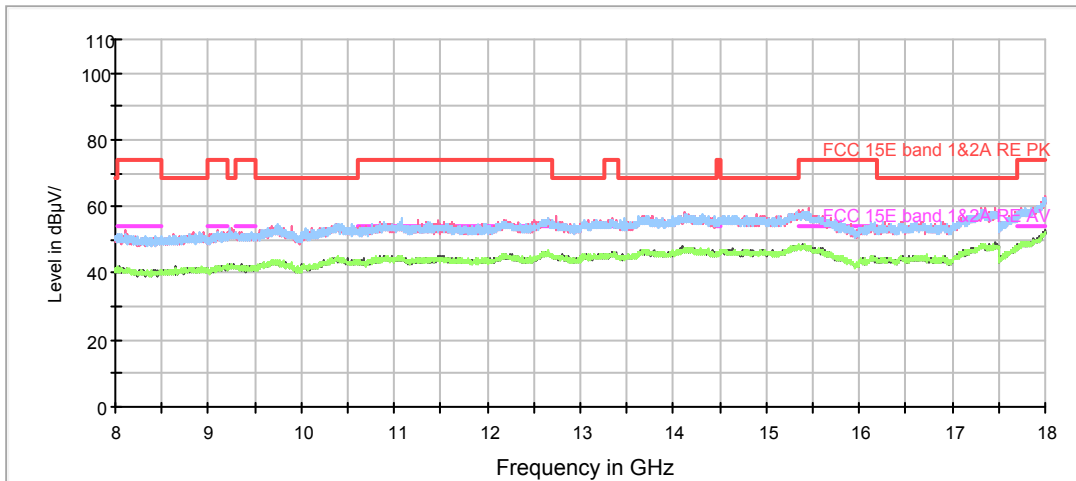
802.11a CH40

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1339.500000	46.2	200.0	V	92.0	46.5	-0.3	27.8	74
1685.125000	47.3	100.0	V	344.0	45.7	1.6	26.7	74
2292.375000	50.3	200.0	H	0.0	45.4	4.9	23.7	74
3832.375000	52.4	200.0	H	184.0	44.8	7.6	21.6	74
5022.375000	54.0	100.0	H	115.0	44.3	9.7	20.0	74
5536.875000	55.0	100.0	H	88.0	44.2	10.8	13.3	68.3

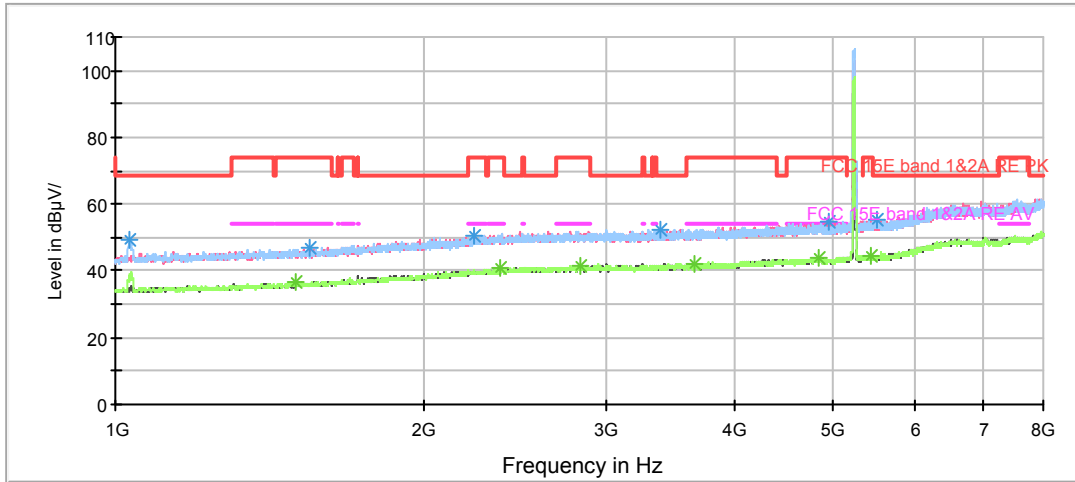
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1342.125000	35.8	100.0	V	271.0	36.1	-0.3	18.2	54
1681.625000	37.8	200.0	H	212.0	36.2	1.6	16.2	54
2305.500000	40.3	100.0	H	341.0	35.3	5.0	13.7	54
3772.875000	42.1	100.0	H	2.0	34.5	7.6	11.9	54
4962.875000	43.6	200.0	V	10.0	34.0	9.6	10.4	54
5423.125000	44.7	100.0	H	0.0	34.1	10.6	9.3	54

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

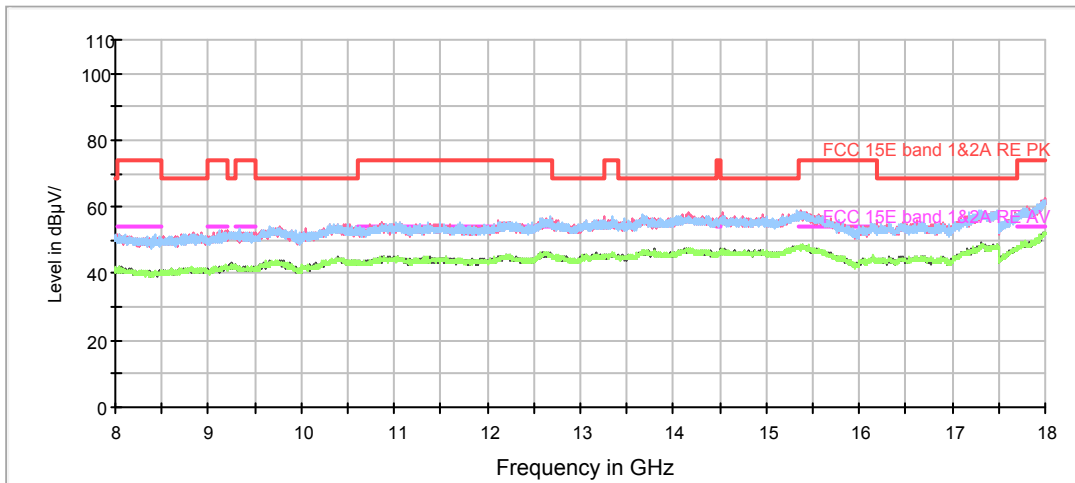
802.11a CH48

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
 Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1034.125000	49.1	200.0	H	212.0	50.7	-1.6	19.2	68.3
1544.250000	46.9	100.0	V	45.0	46.1	0.8	27.1	74
2239.000000	50.7	200.0	V	14.0	46.1	4.6	23.3	74
3389.625000	52.3	100.0	V	354.0	45.5	6.8	16.0	68.3
4945.375000	54.8	100.0	V	243.0	45.2	9.6	19.2	74
5515.875000	55.1	200.0	V	59.0	44.3	10.8	13.2	68.3

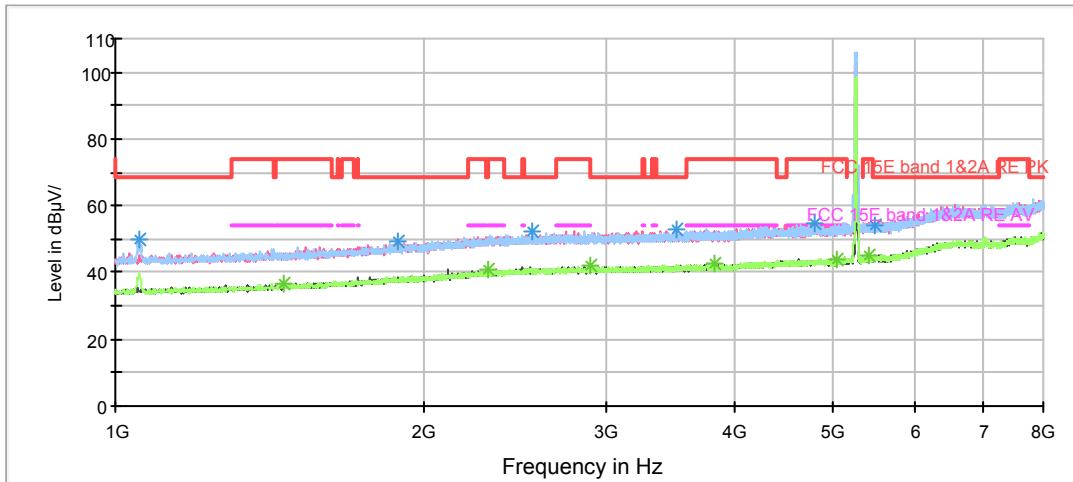
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1499.625000	36.5	200.0	V	99.0	36.0	0.5	17.5	54
2369.375000	40.7	200.0	H	156.0	35.4	5.3	13.3	54
2838.375000	41.5	100.0	H	23.0	35.2	6.3	12.5	54
3655.625000	42.3	100.0	H	211.0	34.9	7.4	11.7	54
4842.125000	43.7	100.0	V	230.0	34.1	9.6	10.3	54
5426.625000	44.6	100.0	H	3.0	33.9	10.7	9.4	54

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

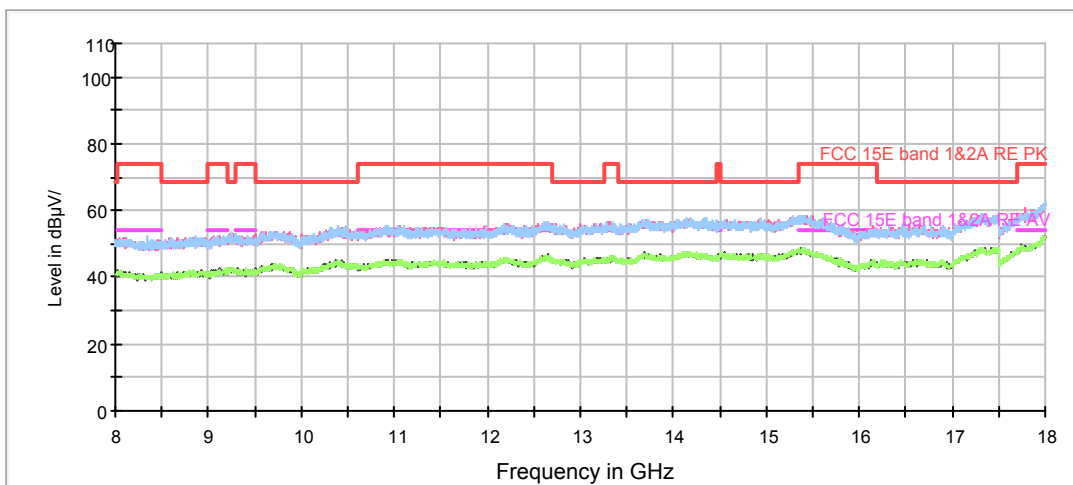
802.11a CH52

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1054.250000	49.9	200.0	H	222.0	51.4	-1.5	18.4	68.3
1881.125000	49.0	100.0	H	92.0	46.4	2.6	19.3	68.3
2550.500000	52.1	100.0	H	7.0	46.3	5.8	16.2	68.3
3511.250000	53.0	200.0	V	291.0	45.9	7.1	15.3	68.3
4802.750000	54.9	200.0	H	352.0	45.4	9.5	19.1	74
5481.750000	54.4	100.0	H	285.0	43.6	10.8	13.9	68.3

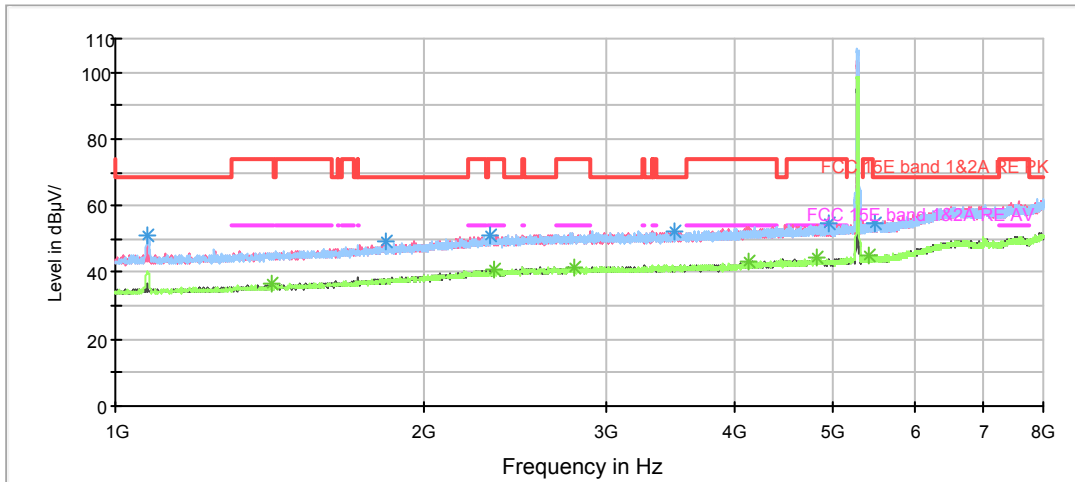
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1457.625000	36.8	100.0	V	210.0	36.5	0.3	17.2	54
2301.125000	40.7	200.0	H	347.0	35.7	5.0	13.3	54
2897.875000	41.8	200.0	H	347.0	35.4	6.4	12.2	54
3829.750000	42.4	200.0	V	291.0	34.8	7.6	11.6	54
5029.375000	44.1	100.0	V	358.0	34.4	9.7	9.9	54
5410.000000	44.9	200.0	H	357.0	34.3	10.6	9.1	54

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

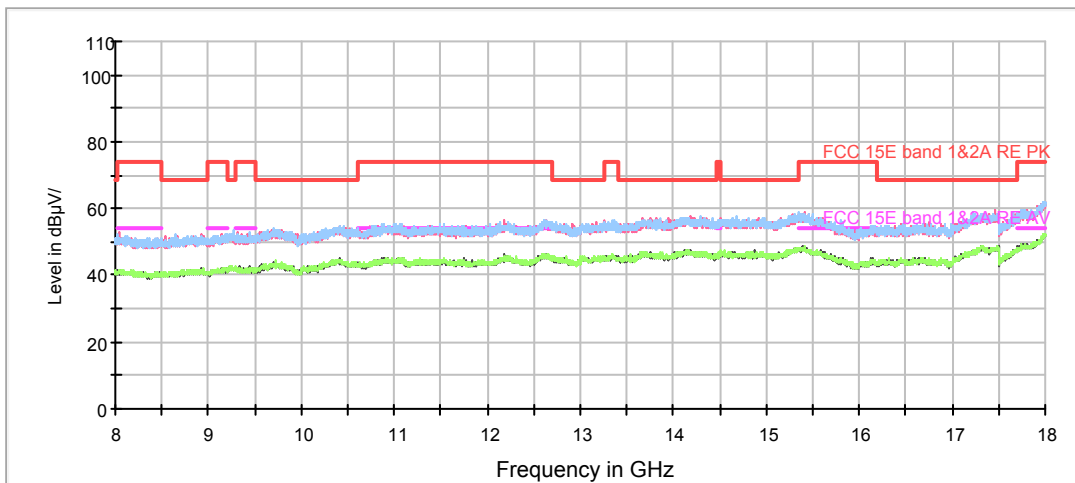
802.11a CH56

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
 Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1073.500000	51.3	200.0	H	217.0	52.6	-1.3	17.0	68.3
1833.875000	49.1	200.0	H	358.0	46.7	2.4	19.2	68.3
2315.125000	51.1	200.0	V	0.0	46.1	5.0	22.9	74
3496.375000	52.3	200.0	V	3.0	45.3	7.0	16.0	68.3
4956.750000	54.5	200.0	H	53.0	44.9	9.6	19.5	74
5486.125000	54.9	100.0	V	304.0	44.1	10.8	13.4	68.3

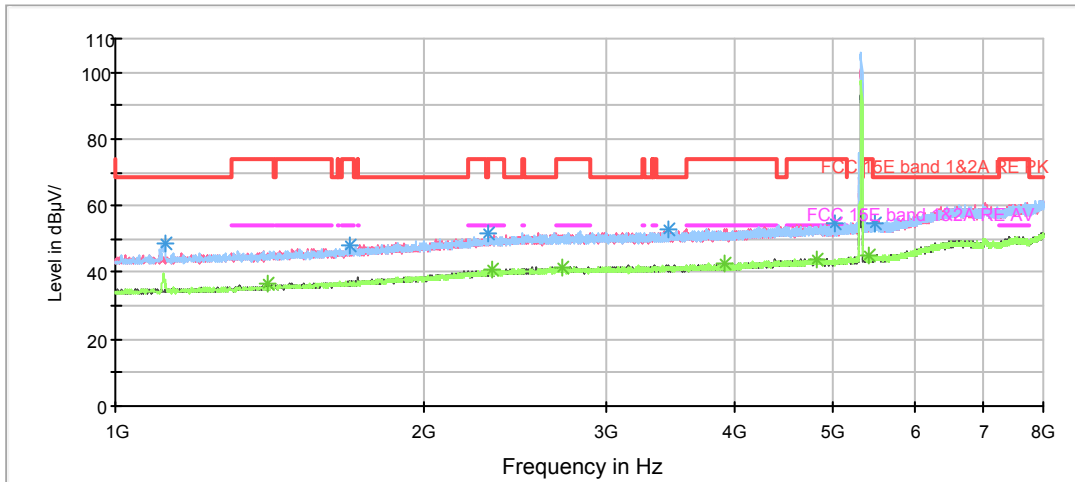
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1420.875000	36.5	100.0	V	3.0	36.4	0.1	17.5	54
2340.500000	40.7	200.0	V	200.0	35.5	5.2	13.3	54
2798.125000	41.2	100.0	H	0.0	35.0	6.2	12.8	54
4127.250000	43.3	100.0	H	208.0	35.0	8.3	10.7	54
4807.125000	44.5	200.0	H	3.0	35.0	9.5	9.5	54
5401.250000	45.0	100.0	H	239.0	34.4	10.6	9.0	54

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

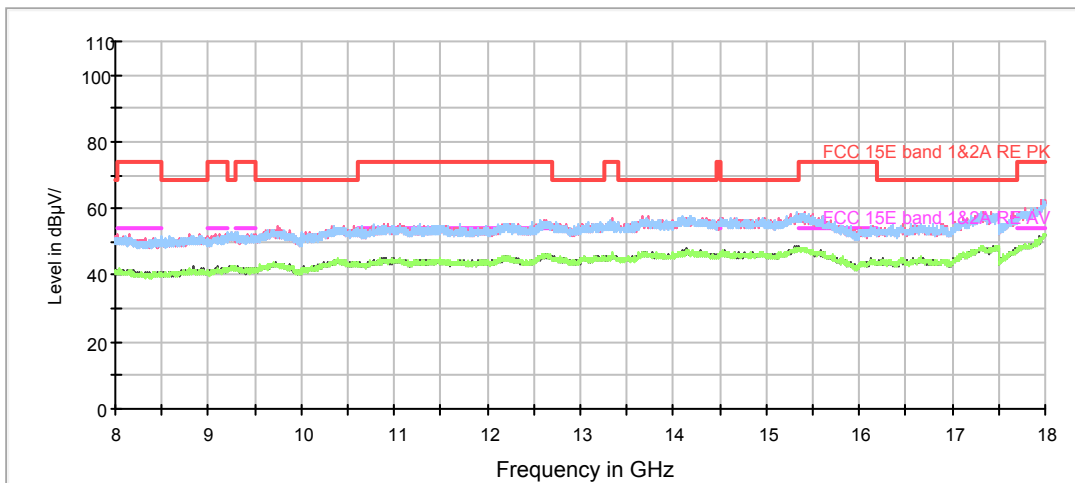
802.11a CH64

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
 Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1116.375000	48.8	100.0	H	220.0	50.0	-1.2	19.5	68.3
1692.125000	48.1	100.0	H	3.0	46.4	1.7	25.9	74
2307.250000	51.5	200.0	H	249.0	46.5	5.0	16.8	68.3
3449.125000	52.9	200.0	H	209.0	45.9	7.0	15.4	68.3
5004.000000	54.8	200.0	H	0.0	45.1	9.7	19.2	74
5480.000000	54.6	200.0	V	255.0	43.9	10.7	13.7	68.3

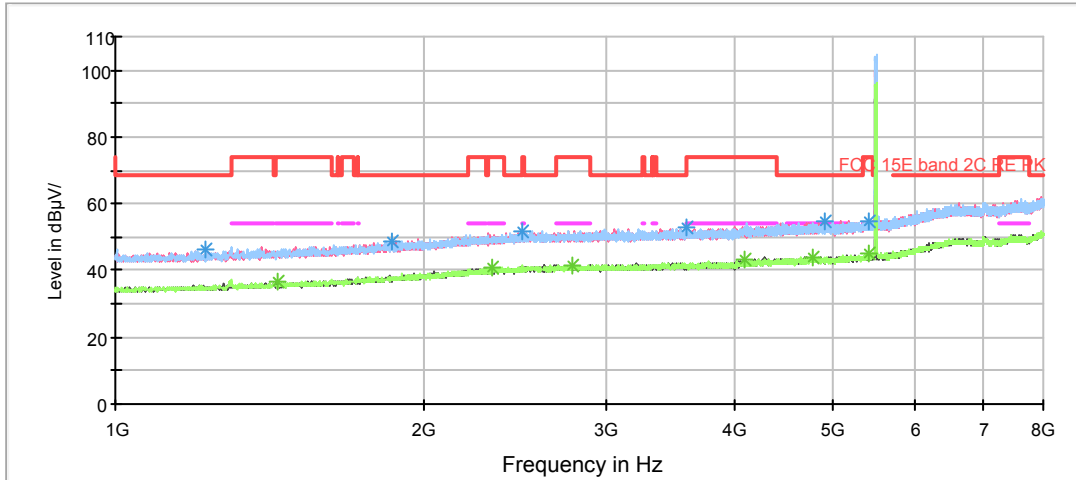
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1406.875000	36.7	200.0	V	54.0	36.7	0.0	17.3	54
2323.875000	40.9	100.0	H	15.0	35.8	5.1	13.1	54
2727.250000	41.6	200.0	H	347.0	35.5	6.1	12.4	54
3914.625000	42.9	200.0	V	148.0	35.2	7.7	11.1	54
4806.250000	43.9	100.0	V	0.0	34.4	9.5	10.1	54
5404.750000	45.1	100.0	H	3.0	34.5	10.6	8.9	54

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

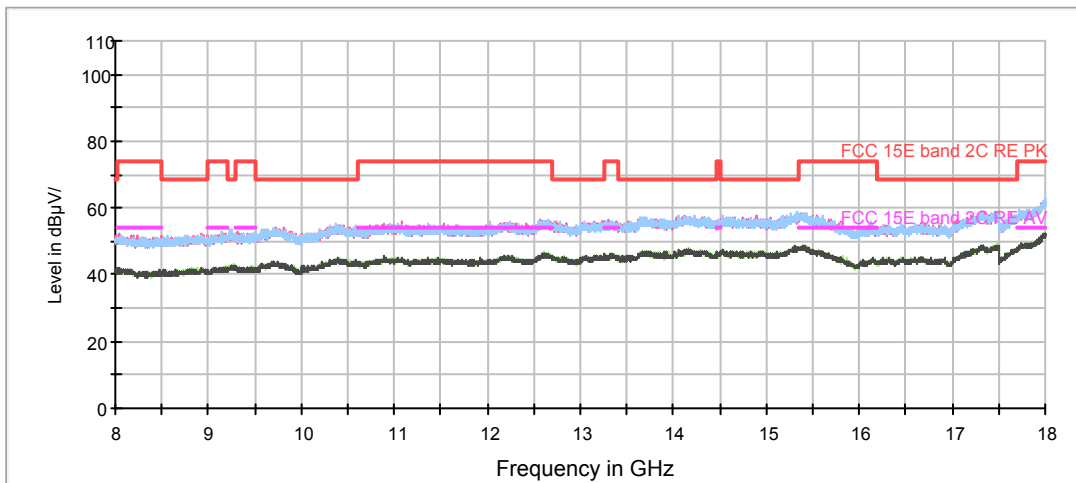
802.11a CH100

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1226.625000	46.3	200.0	H	0.0	47.1	-0.8	22.0	68.3
1854.875000	48.6	100.0	H	357.0	46.1	2.5	19.7	68.3
2483.125000	51.9	100.0	H	8.0	46.2	5.7	16.4	68.3
3597.875000	52.6	200.0	H	146.0	45.3	7.3	15.7	68.3
4911.250000	54.7	200.0	V	67.0	45.1	9.6	13.6	68.3
5424.000000	54.8	200.0	V	241.0	44.2	10.6	19.2	74

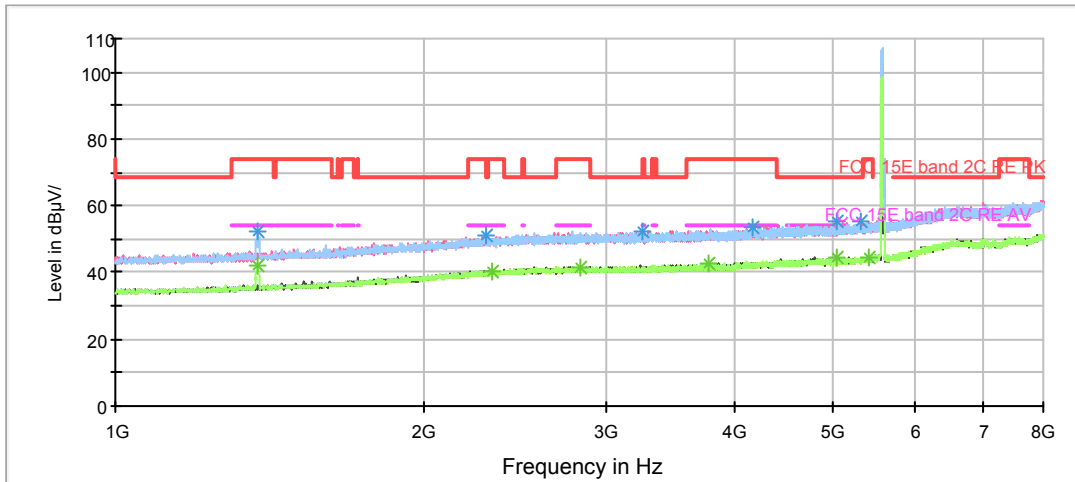
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1437.500000	36.6	100.0	V	249.0	36.4	0.2	17.4	54
2325.625000	40.6	100.0	H	88.0	35.5	5.1	13.4	54
2783.250000	41.5	100.0	V	0.0	35.3	6.2	12.5	54
4093.125000	43.4	100.0	V	0.0	35.1	8.3	10.6	54
4780.875000	43.9	100.0	V	356.0	34.4	9.5	10.1	54
5405.625000	45.1	200.0	V	94.0	34.5	10.6	8.9	54

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

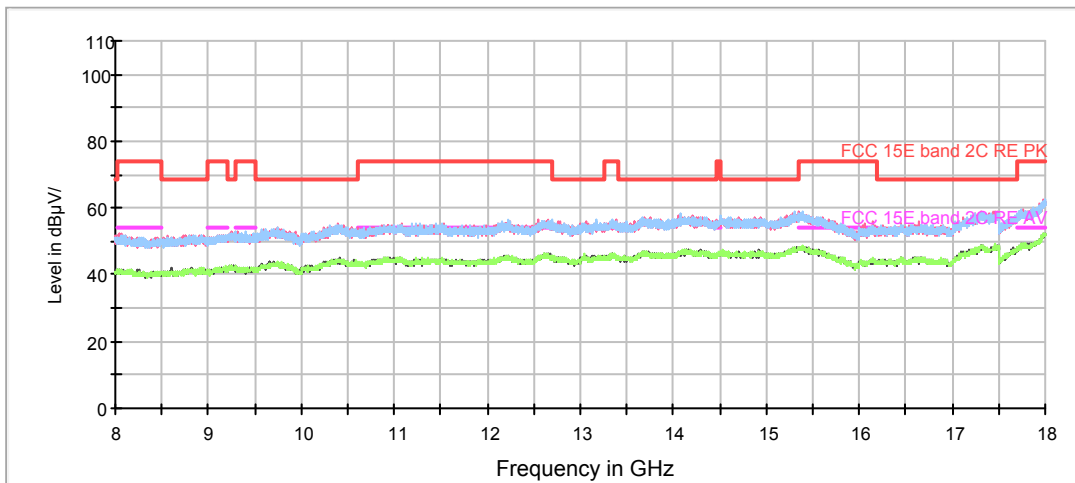
802.11a CH116

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1374.500000	52.1	100.0	H	198.0	52.2	-0.1	21.9	74
2299.375000	51.0	100.0	V	0.0	46.1	4.9	23.0	74
3255.750000	52.3	100.0	H	170.0	45.5	6.8	16.0	68.3
4167.500000	53.5	200.0	V	10.0	45.1	8.4	20.5	74
5037.250000	55.1	100.0	H	46.0	45.4	9.7	13.2	68.3
5313.750000	55.1	200.0	H	202.0	44.8	10.3	13.2	68.3

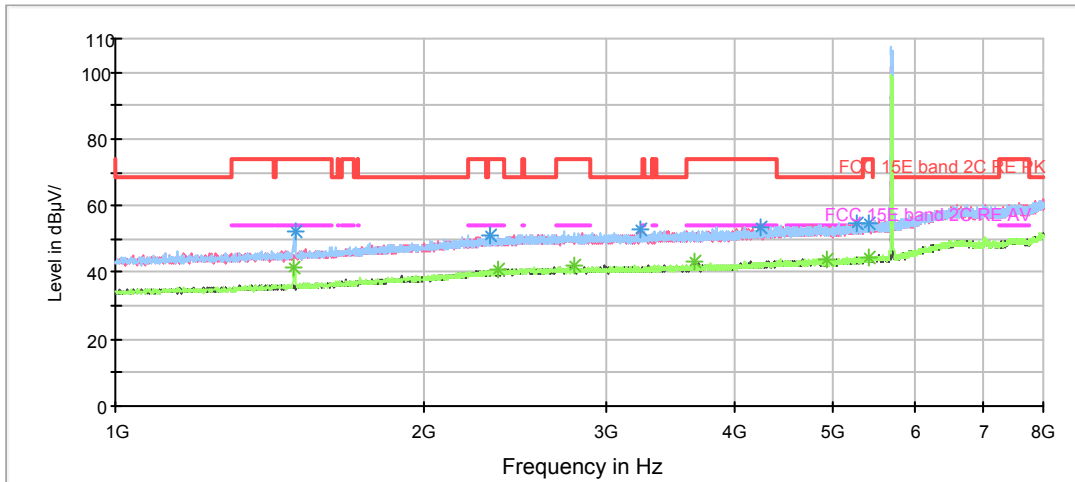
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1375.375000	42.1	200.0	H	202.0	42.2	-0.1	11.9	54
2330.000000	40.6	200.0	V	0.0	35.5	5.1	13.4	54
2837.500000	41.4	200.0	H	344.0	35.1	6.3	12.6	54
3772.000000	42.7	100.0	V	0.0	35.1	7.6	11.3	54
5038.125000	44.3	200.0	H	270.0	34.6	9.7	9.7	54
5413.500000	44.7	100.0	H	87.0	34.1	10.6	9.3	54

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

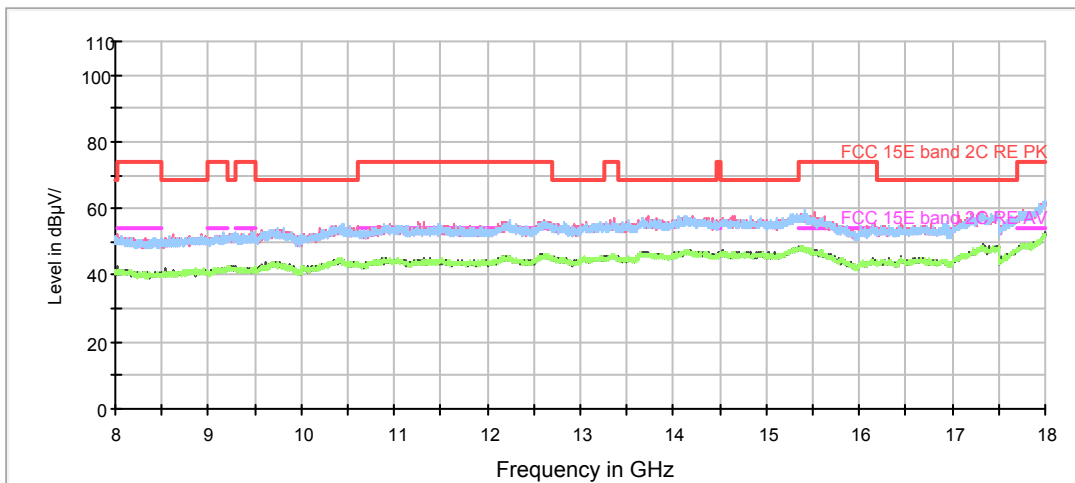
802.11a CH140

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1497.875000	52.1	100.0	H	198.0	51.6	0.5	21.9	74
2316.875000	51.4	100.0	V	312.0	46.4	5.0	22.6	74
3247.875000	52.8	100.0	V	93.0	46.1	6.7	15.5	68.3
4248.875000	53.6	200.0	V	12.0	44.9	8.7	20.4	74
5257.750000	54.6	100.0	H	240.0	44.3	10.3	13.7	68.3
5400.375000	54.8	200.0	H	129.0	44.2	10.6	19.2	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1494.375000	41.4	100.0	H	198.0	40.9	0.5	12.6	54
2354.500000	40.7	100.0	H	107.0	35.5	5.2	13.3	54
2799.000000	41.8	100.0	H	357.0	35.6	6.2	12.2	54
3666.125000	43.1	200.0	V	47.0	35.6	7.5	10.9	54
4930.500000	44.1	100.0	V	355.0	34.5	9.6	9.9	54
5409.125000	44.6	100.0	H	11.0	34.0	10.6	9.4	54

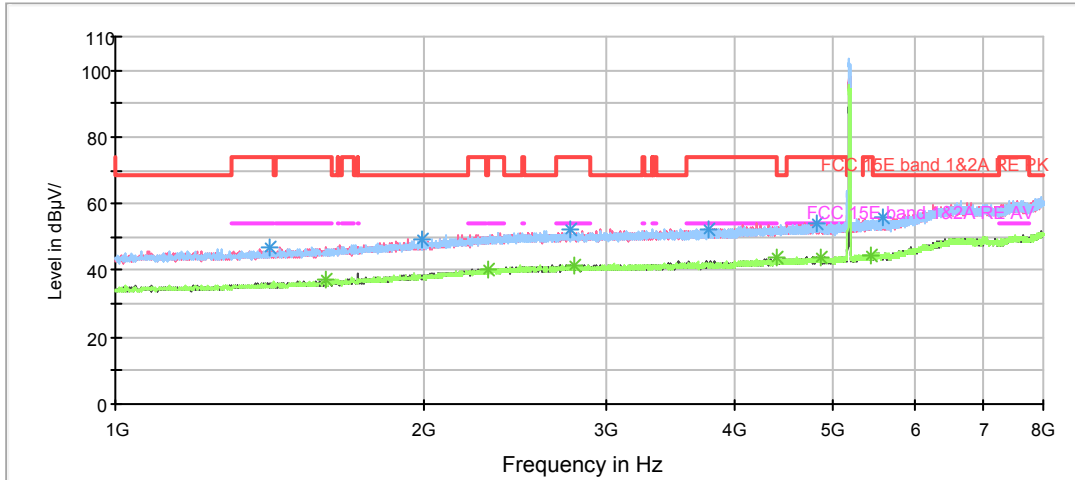
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



MIMO

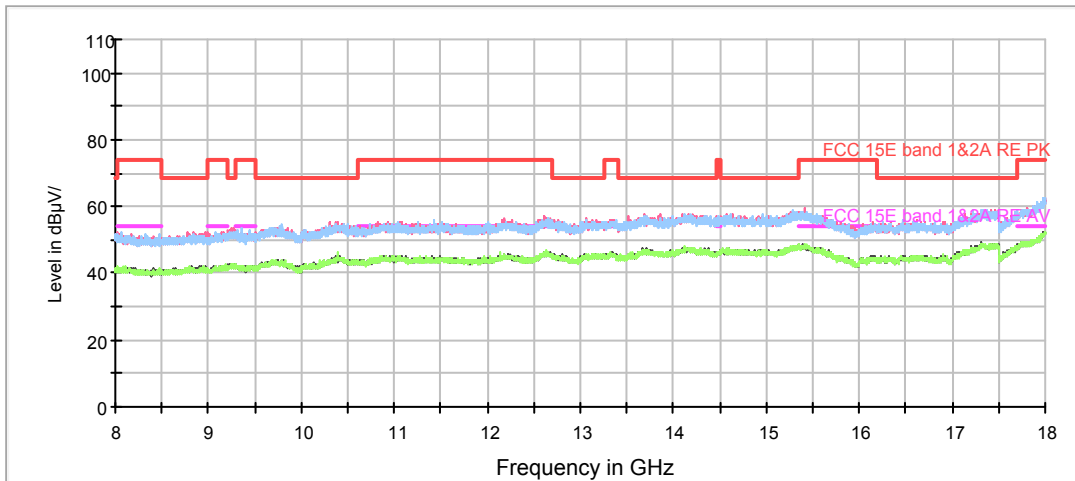
802.11ac (HT20) CH36

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1411.250000	46.7	100.0	H	338.0	46.7	0.0	27.3	74
1984.375000	49.4	100.0	H	32.0	46.4	3.0	18.9	68.3
2770.125000	52.2	200.0	V	25.0	46.0	6.2	21.8	74
3784.250000	52.5	200.0	H	330.0	44.9	7.6	21.5	74
4819.375000	54.2	100.0	H	181.0	44.7	9.5	19.8	74
5579.750000	55.9	200.0	H	353.0	45.0	10.9	12.4	68.3

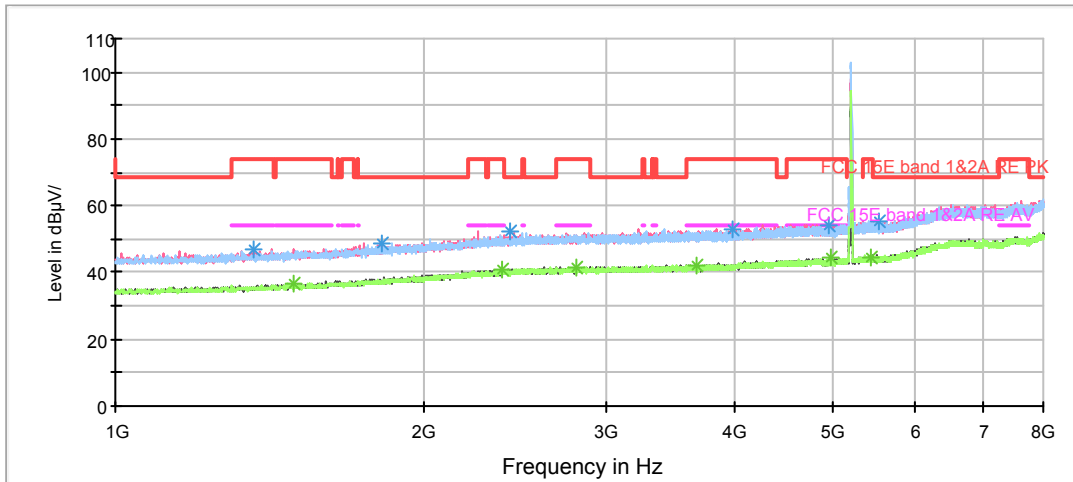
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1605.500000	37.5	100.0	V	357.0	36.4	1.1	16.5	54
2306.375000	40.6	200.0	V	182.0	35.6	5.0	13.4	54
2791.125000	41.5	200.0	V	141.0	35.3	6.2	12.5	54
4401.125000	43.6	100.0	V	63.0	34.7	8.9	10.4	54
4853.500000	44.2	100.0	V	192.0	34.6	9.6	9.8	54
5427.500000	44.7	200.0	H	304.0	34.0	10.7	9.3	54

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

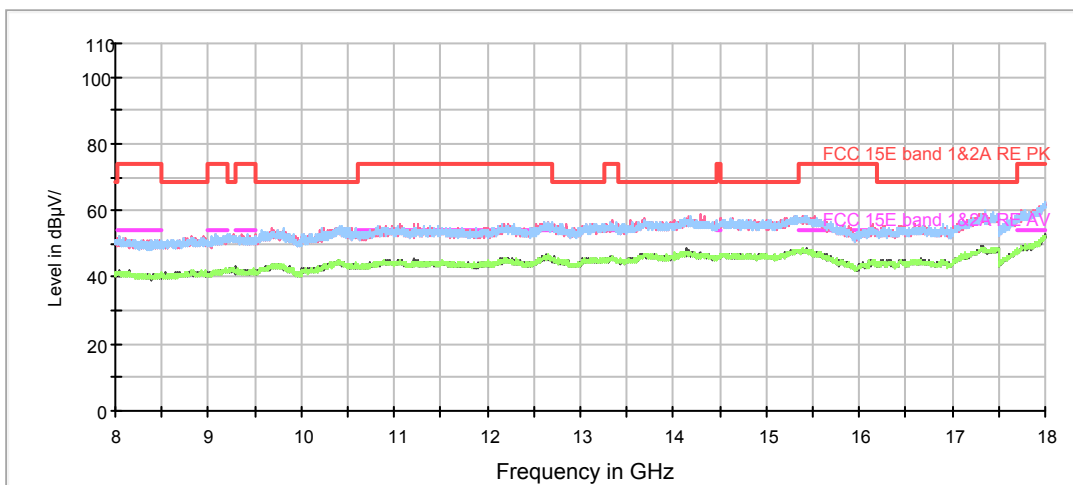
802.11ac (HT20) CH40

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
 Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1362.250000	47.0	100.0	V	268.0	47.2	-0.2	27.0	74
1815.500000	48.6	100.0	V	240.0	46.3	2.3	19.7	68.3
2419.250000	52.2	100.0	V	349.0	46.7	5.5	16.1	68.3
3982.875000	53.0	200.0	V	18.0	45.2	7.8	21.0	74
4954.125000	53.9	200.0	V	0.0	44.3	9.6	20.1	74
5542.125000	55.1	100.0	V	342.0	44.3	10.8	13.2	68.3

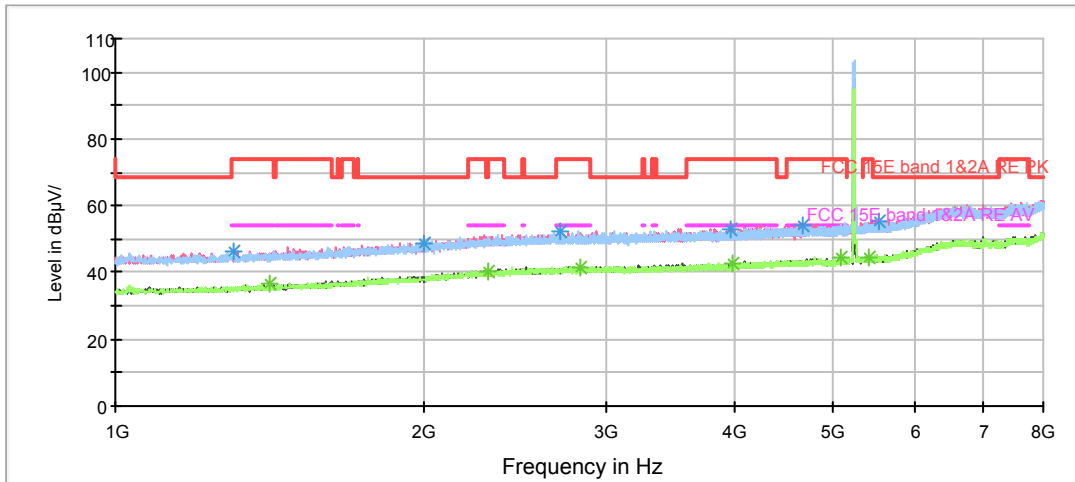
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1489.125000	36.6	200.0	V	162.0	36.2	0.4	17.4	54
2383.375000	40.7	100.0	V	163.0	35.4	5.3	13.3	54
2807.750000	41.3	200.0	V	134.0	35.1	6.2	12.7	54
3677.500000	42.1	200.0	H	282.0	34.6	7.5	11.9	54
4971.625000	44.2	200.0	H	309.0	34.6	9.6	9.8	54
5429.250000	44.7	200.0	V	0.0	34.0	10.7	9.3	54

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

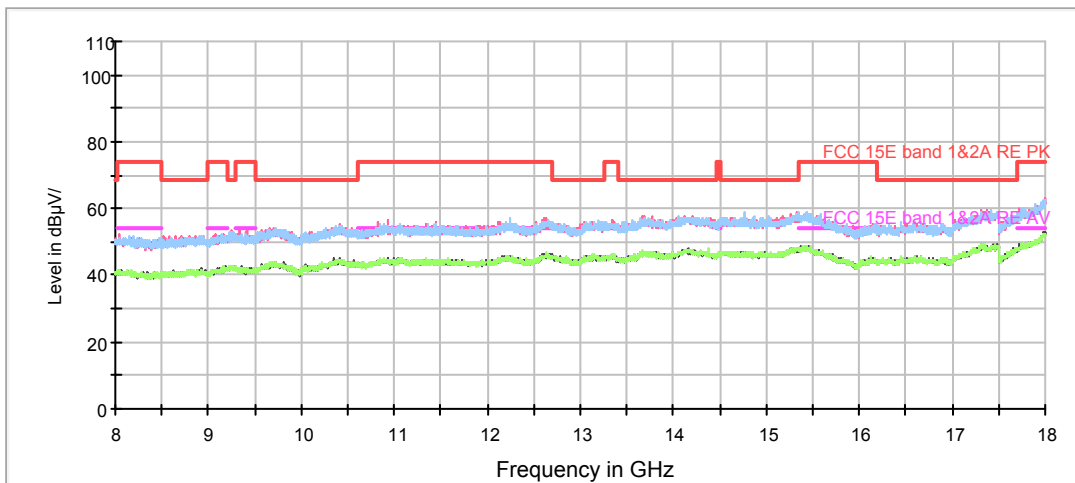
802.11ac (HT20) CH48

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
 Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1306.250000	46.1	100.0	H	1.0	46.6	-0.5	27.9	74
1996.625000	48.7	100.0	V	0.0	45.6	3.1	19.6	68.3
2705.375000	52.3	100.0	H	113.0	46.2	6.1	21.7	74
3975.875000	53.0	200.0	V	0.0	45.2	7.8	21.0	74
4656.625000	54.3	100.0	H	46.0	44.9	9.4	19.7	74
5524.625000	55.0	200.0	V	4.0	44.2	10.8	13.3	68.3

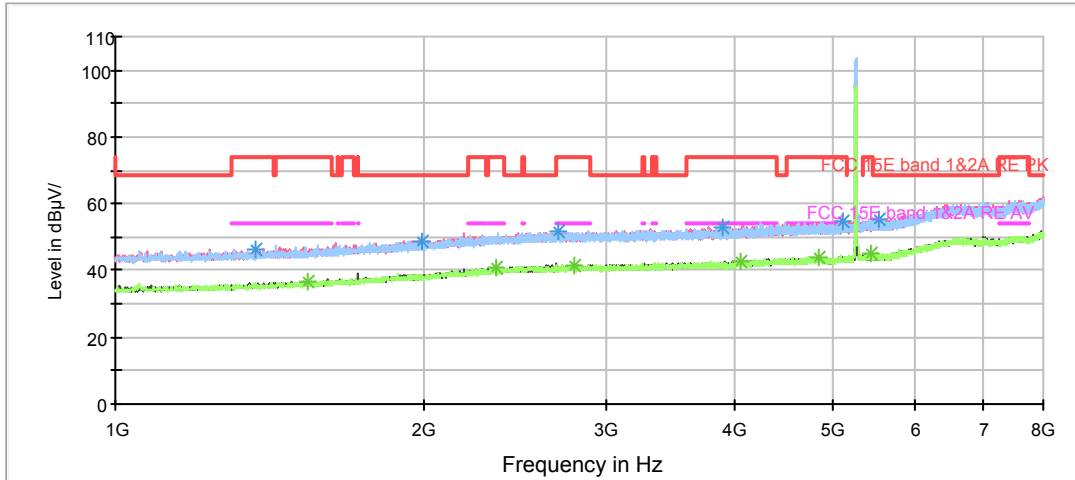
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1414.750000	36.5	200.0	V	0.0	36.4	0.1	17.5	54
2302.000000	40.4	100.0	H	240.0	35.4	5.0	13.6	54
2834.875000	41.5	200.0	V	2.0	35.2	6.3	12.5	54
3996.000000	42.7	100.0	V	161.0	34.9	7.8	11.3	54
5073.125000	44.7	100.0	V	206.0	34.9	9.8	9.3	54
5403.000000	44.5	100.0	H	299.0	33.9	10.6	9.5	54

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

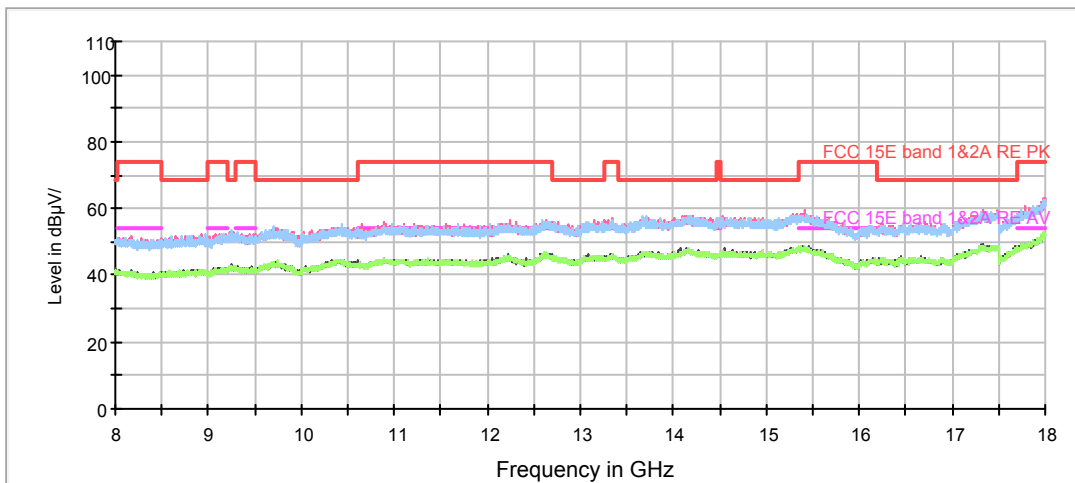
802.11ac (HT20) CH52

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
 Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1371.000000	46.6	200.0	V	29.0	46.8	-0.2	27.4	74
1985.250000	48.9	100.0	V	257.0	45.8	3.1	19.4	68.3
2696.625000	51.7	200.0	V	19.0	45.6	6.1	22.3	74
3893.625000	52.7	200.0	V	96.0	45.0	7.7	21.3	74
5102.875000	54.4	100.0	V	0.0	44.5	9.9	19.6	74
5530.750000	55.5	200.0	V	70.0	44.7	10.8	12.8	68.3

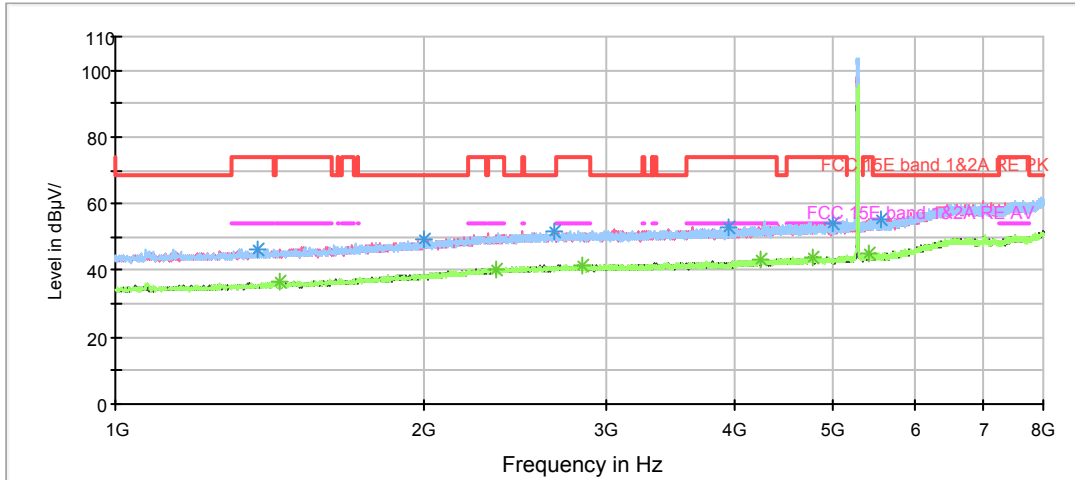
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1537.250000	36.8	100.0	H	130.0	36.1	0.7	17.2	54
2346.625000	40.6	200.0	V	19.0	35.4	5.2	13.4	54
2797.250000	41.3	200.0	V	191.0	35.1	6.2	12.7	54
4059.875000	42.8	100.0	V	310.0	34.6	8.2	11.2	54
4846.500000	43.9	100.0	H	3.0	34.3	9.6	10.1	54
5424.875000	44.8	200.0	H	119.0	34.1	10.7	9.2	54

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

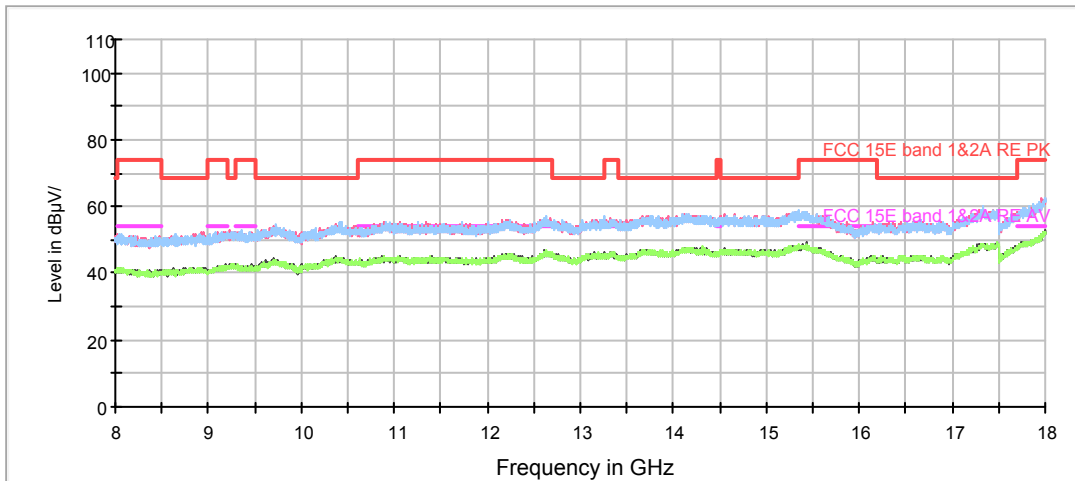
802.11ac (HT20) CH56

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1372.750000	46.4	200.0	V	66.0	46.6	-0.2	27.6	74
1994.000000	49.1	100.0	V	188.0	46.0	3.1	19.2	68.3
2675.625000	51.6	100.0	H	2.0	45.6	6.0	16.7	68.3
3946.125000	52.9	100.0	V	19.0	45.2	7.7	21.1	74
4997.875000	54.4	200.0	V	18.0	44.8	9.6	19.6	74
5549.125000	55.3	100.0	H	175.0	44.5	10.8	13.0	68.3

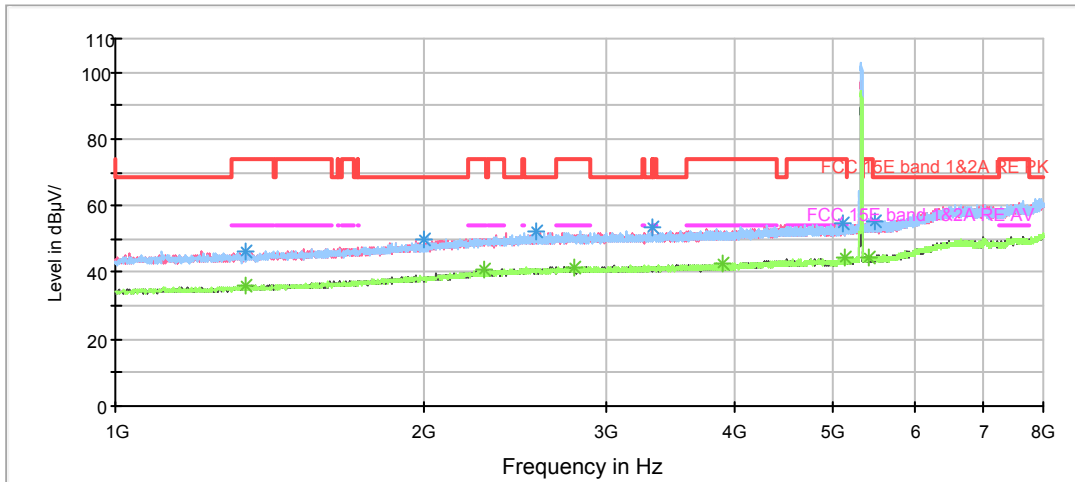
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1444.500000	36.8	200.0	H	0.0	36.6	0.2	17.2	54
2342.250000	40.6	100.0	V	45.0	35.4	5.2	13.4	54
2852.375000	41.3	200.0	V	80.0	35.0	6.3	12.7	54
4242.750000	43.4	100.0	V	28.0	34.8	8.6	10.6	54
4764.250000	43.9	100.0	V	357.0	34.4	9.5	10.1	54
5413.500000	45.2	200.0	H	133.0	34.6	10.6	8.8	54

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

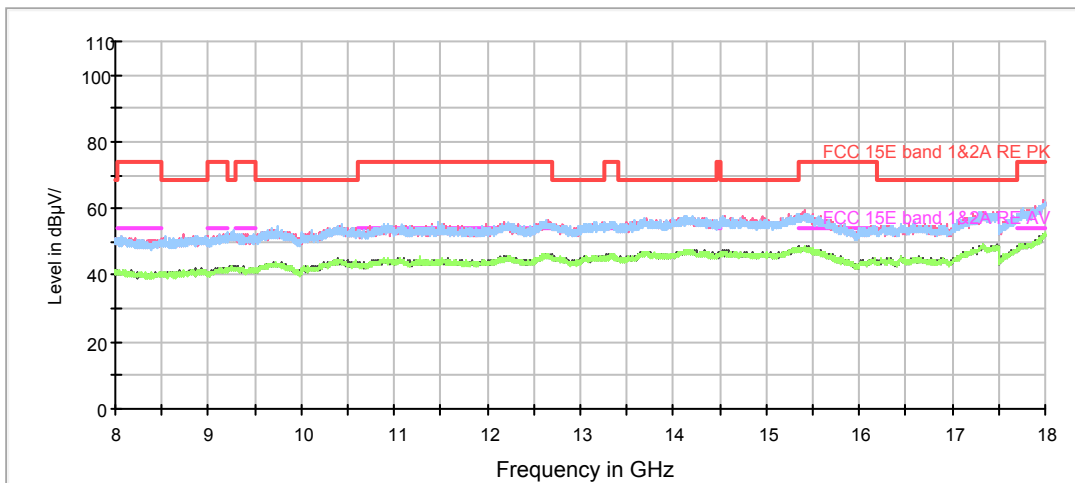
802.11ac (HT20) CH64

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1341.250000	46.4	100.0	H	175.0	46.7	-0.3	27.6	74
1999.250000	49.7	100.0	H	212.0	46.6	3.1	18.6	68.3
2566.250000	52.0	200.0	H	285.0	46.2	5.8	16.3	68.3
3324.875000	53.5	100.0	V	357.0	46.7	6.8	14.8	68.3
5096.750000	54.6	200.0	H	298.0	44.7	9.9	19.4	74
5482.625000	55.1	200.0	V	0.0	44.3	10.8	13.2	68.3

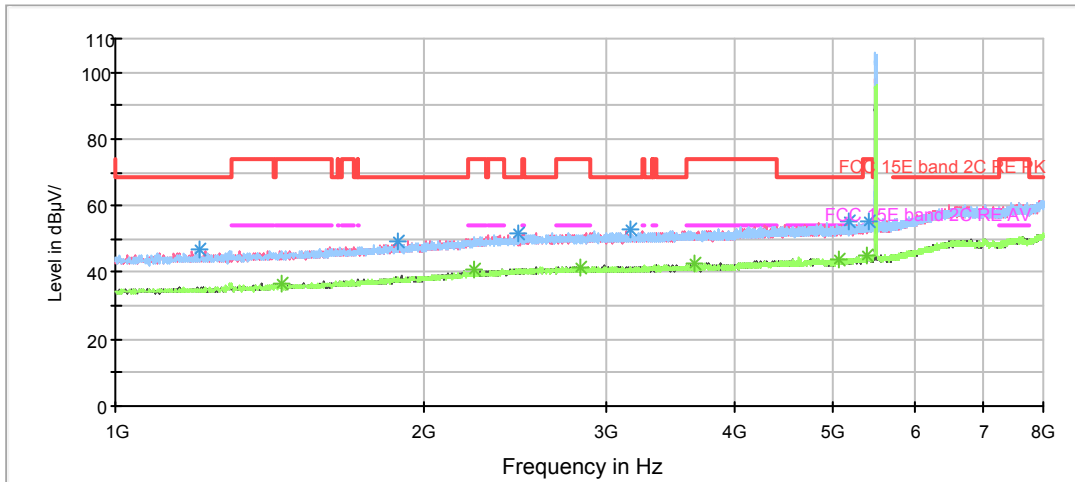
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1341.250000	36.1	200.0	V	198.0	36.4	-0.3	17.9	54
2288.000000	40.7	100.0	H	11.0	35.8	4.9	13.3	54
2801.625000	41.4	100.0	V	352.0	35.2	6.2	12.6	54
3895.375000	42.6	200.0	H	351.0	34.9	7.7	11.4	54
5117.750000	44.8	200.0	H	311.0	34.9	9.9	9.2	54
5410.875000	44.7	100.0	V	119.0	34.1	10.6	9.3	54

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

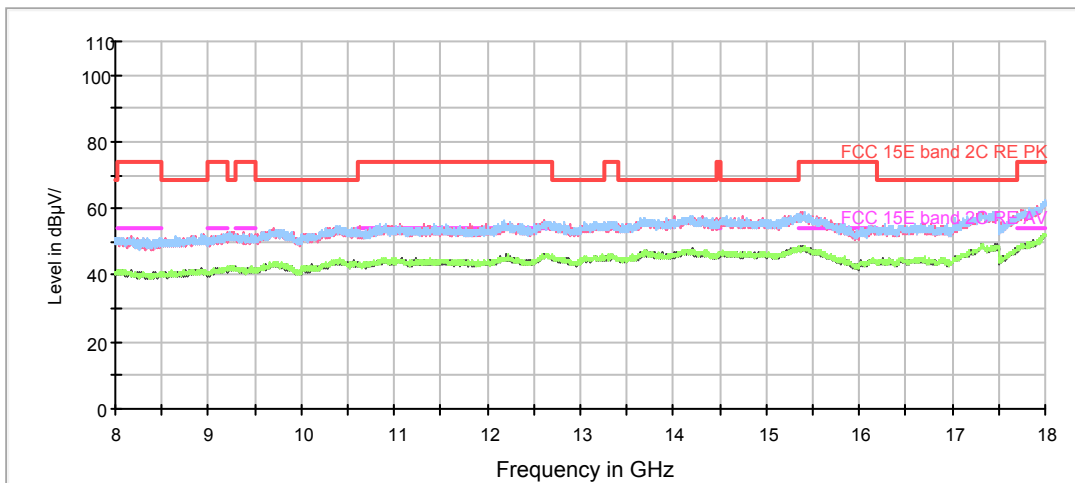
802.11ac (HT20) CH100

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
 Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1207.375000	47.0	100.0	H	227.0	47.9	-0.9	21.3	68.3
1880.250000	49.3	200.0	V	47.0	46.7	2.6	19.0	68.3
2461.250000	51.7	200.0	H	342.0	46.1	5.6	16.6	68.3
3171.750000	52.9	200.0	H	0.0	46.3	6.6	15.4	68.3
5177.250000	55.2	200.0	V	47.0	45.1	10.1	13.1	68.3
5409.125000	55.2	200.0	H	358.0	44.6	10.6	18.8	74

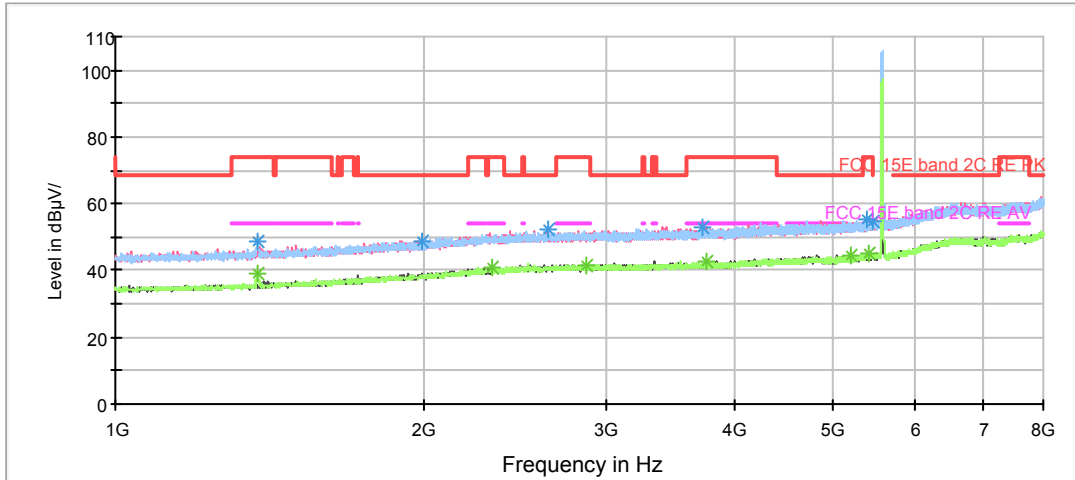
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1451.500000	36.6	200.0	V	60.0	36.4	0.2	17.4	54
2237.250000	40.8	100.0	H	9.0	36.2	4.6	13.2	54
2837.500000	41.7	200.0	V	141.0	35.4	6.3	12.3	54
3667.000000	42.7	200.0	V	141.0	35.2	7.5	11.3	54
5058.250000	44.1	100.0	H	157.0	34.3	9.8	9.9	54
5377.625000	44.8	200.0	H	294.0	34.3	10.5	9.2	54

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

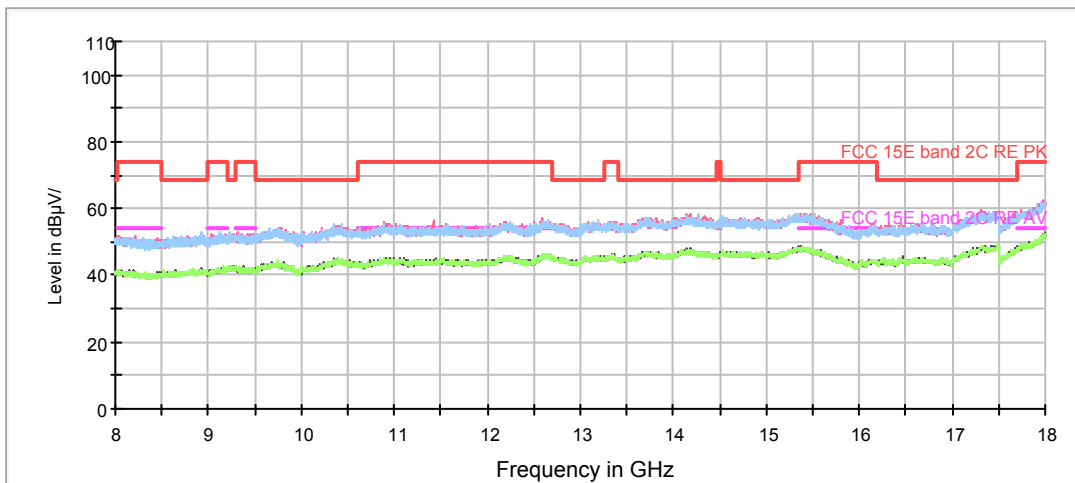
802.11ac (HT20) CH116

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1376.250000	48.6	100.0	H	291.0	48.7	-0.1	25.4	74
1989.625000	48.9	200.0	V	74.0	45.8	3.1	19.4	68.3
2632.750000	52.2	200.0	V	0.0	46.2	6.0	16.1	68.3
3722.125000	53.0	100.0	V	245.0	45.5	7.5	21.0	74
5376.750000	55.4	100.0	H	19.0	44.9	10.5	18.6	74
5471.250000	54.9	100.0	V	325.0	44.2	10.7	13.4	68.3

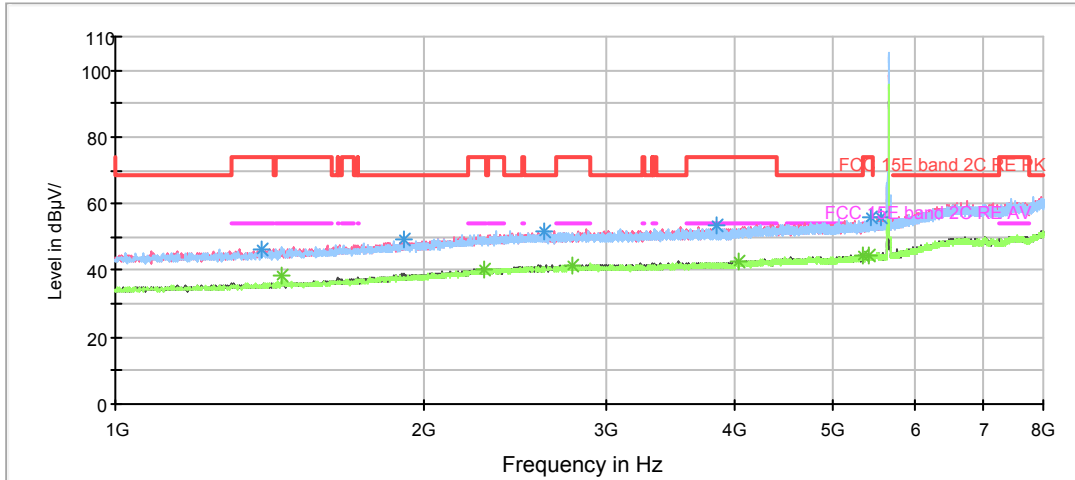
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1375.375000	38.9	100.0	H	291.0	39.0	-0.1	15.1	54
2328.250000	40.7	200.0	V	26.0	35.6	5.1	13.3	54
2867.250000	41.7	100.0	H	0.0	35.4	6.3	12.3	54
3758.875000	42.8	100.0	V	313.0	35.2	7.6	11.2	54
5199.125000	44.6	100.0	V	231.0	34.4	10.2	9.4	54
5411.750000	45.0	200.0	H	315.0	34.4	10.6	9.0	54

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

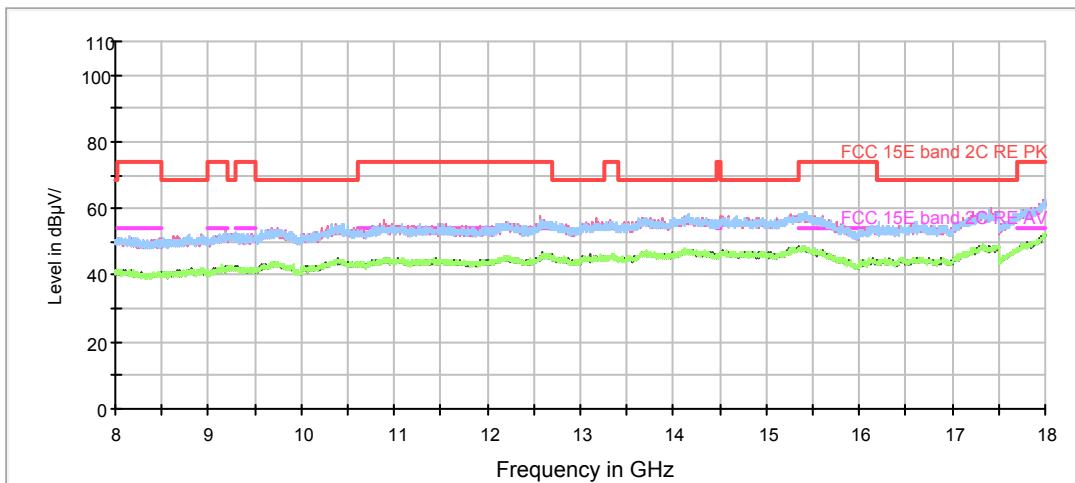
802.11ac (HT20) CH134

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1388.500000	46.3	200.0	V	212.0	46.3	0.0	27.7	74
1910.875000	49.2	100.0	V	293.0	46.4	2.8	19.1	68.3
2620.500000	51.7	200.0	H	344.0	45.8	5.9	16.6	68.3
3842.000000	53.6	200.0	H	249.0	46.0	7.6	20.4	74
5445.875000	55.6	200.0	V	225.0	44.9	10.7	18.4	74
5561.375000	55.7	200.0	H	195.0	44.9	10.8	12.6	68.3

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

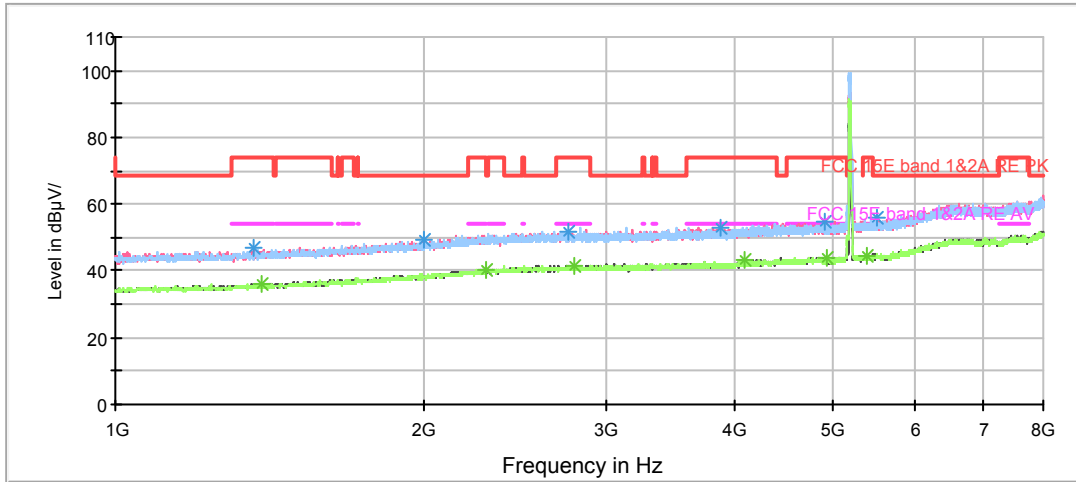
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1454.125000	38.5	200.0	H	195.0	38.3	0.2	15.5	54
2283.625000	40.5	200.0	H	195.0	35.6	4.9	13.5	54
2787.625000	41.6	100.0	H	0.0	35.4	6.2	12.4	54
4048.500000	42.7	200.0	V	0.0	34.6	8.1	11.3	54
5336.500000	44.6	200.0	H	318.0	34.2	10.4	9.4	54
5421.375000	44.5	200.0	H	0.0	33.9	10.6	9.5	54

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



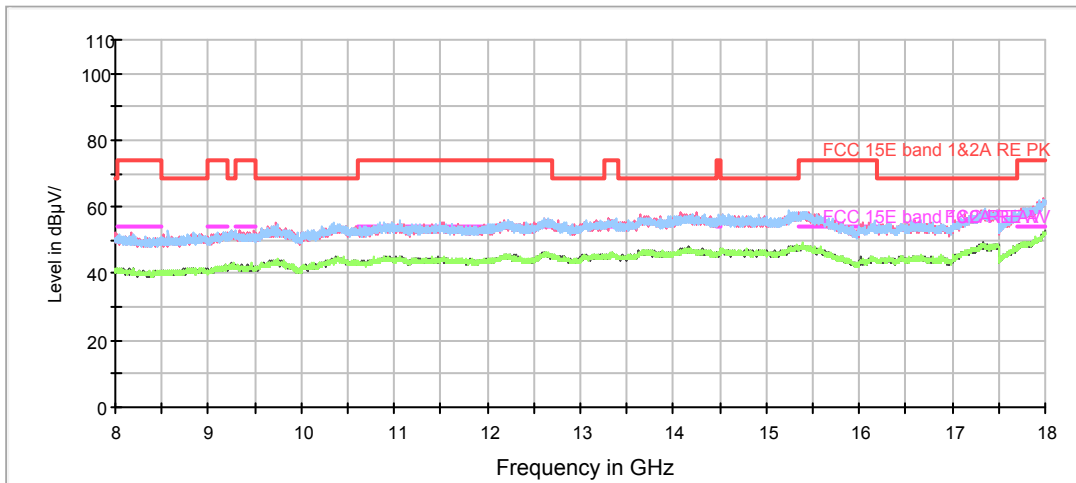
802.11ac (HT40) CH38

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1365.750000	46.9	100.0	V	0.0	47.1	-0.2	27.1	74
1996.625000	49.0	100.0	V	226.0	45.9	3.1	19.3	68.3
2759.625000	51.8	200.0	H	358.0	45.6	6.2	22.2	74
3882.250000	53.1	100.0	V	129.0	45.4	7.7	20.9	74
4908.625000	54.6	200.0	H	83.0	45.0	9.6	19.4	74
5508.000000	55.9	200.0	H	350.0	45.1	10.8	12.4	68.3

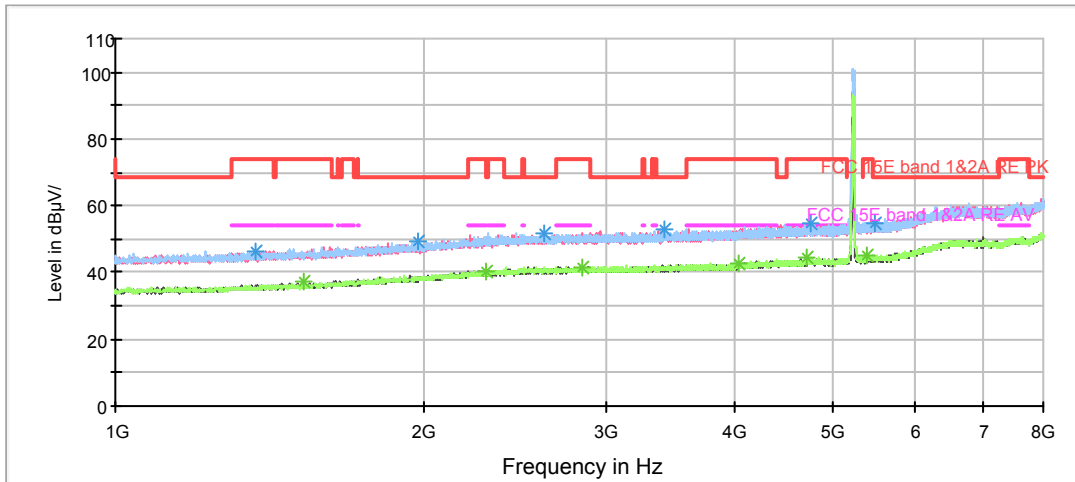
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1389.375000	36.3	200.0	V	72.0	36.3	0.0	17.7	54
2298.500000	40.4	200.0	V	209.0	35.5	4.9	13.6	54
2802.500000	41.7	200.0	H	0.0	35.5	6.2	12.3	54
4103.625000	43.2	100.0	V	349.0	34.9	8.3	10.8	54
4917.375000	44.0	100.0	H	89.0	34.4	9.6	10.0	54
5377.625000	44.7	200.0	V	22.0	34.2	10.5	9.3	54

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

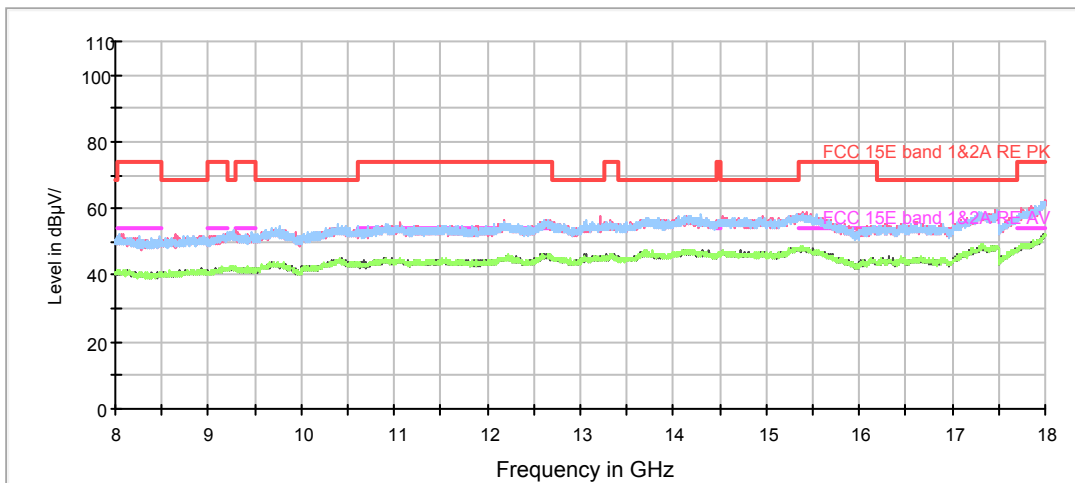
802.11ac (HT40) CH46

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1368.375000	46.5	200.0	H	63.0	46.7	-0.2	27.5	74
1973.000000	49.1	200.0	V	269.0	46.1	3.0	19.2	68.3
2610.875000	51.5	100.0	V	120.0	45.6	5.9	16.8	68.3
3415.875000	53.0	100.0	H	48.0	46.1	6.9	15.3	68.3
4750.250000	54.7	100.0	V	218.0	45.2	9.5	19.3	74
5476.500000	54.7	200.0	H	63.0	44.0	10.7	13.6	68.3

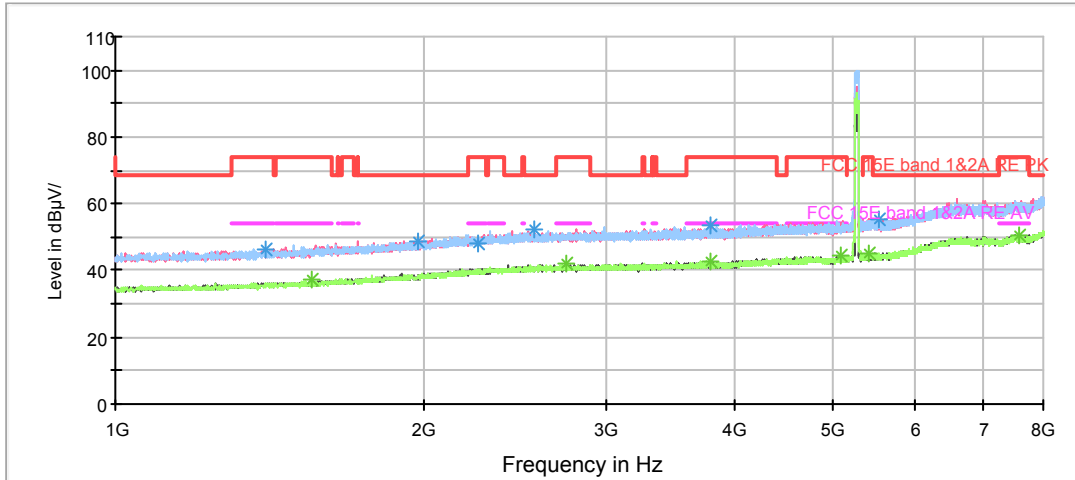
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1528.500000	37.1	100.0	H	0.0	36.4	0.7	16.9	54
2297.625000	40.6	100.0	V	0.0	35.7	4.9	13.4	54
2846.250000	41.5	100.0	V	258.0	35.2	6.3	12.5	54
4051.125000	42.9	100.0	V	312.0	34.8	8.1	11.1	54
4711.750000	44.4	100.0	V	245.0	35.0	9.4	9.6	54
5379.375000	44.8	100.0	V	92.0	34.3	10.5	9.2	54

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

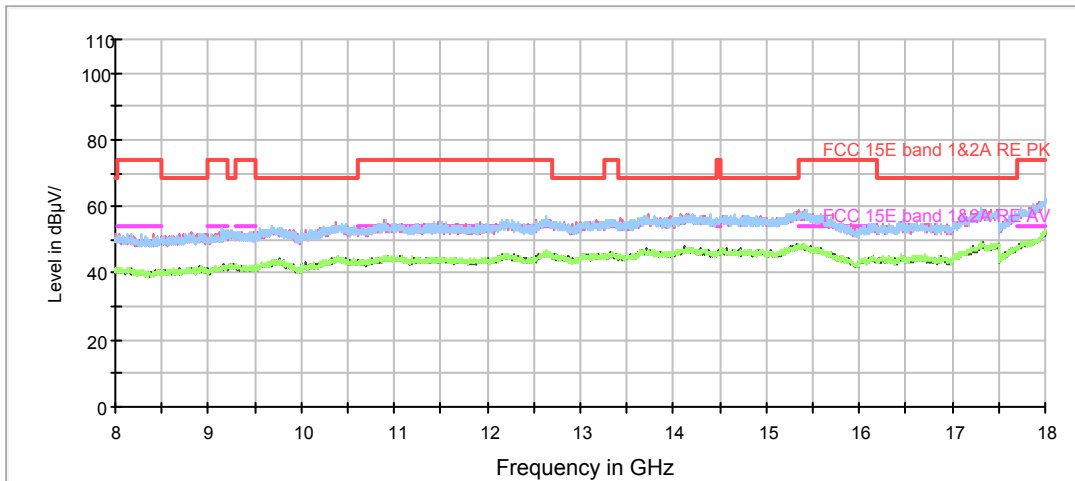
802.11ac (HT40) CH54

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
 Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1402.500000	46.3	100.0	H	75.0	46.3	0.0	27.7	74
1969.500000	48.9	200.0	H	346.0	45.9	3.0	19.4	68.3
2551.375000	52.2	200.0	H	325.0	46.4	5.8	16.1	68.3
3801.750000	53.3	100.0	V	0.0	45.7	7.6	20.7	74
5097.625000	54.9	100.0	V	342.0	45.0	9.9	19.1	74
5534.250000	55.6	100.0	V	356.0	44.8	10.8	12.7	68.3

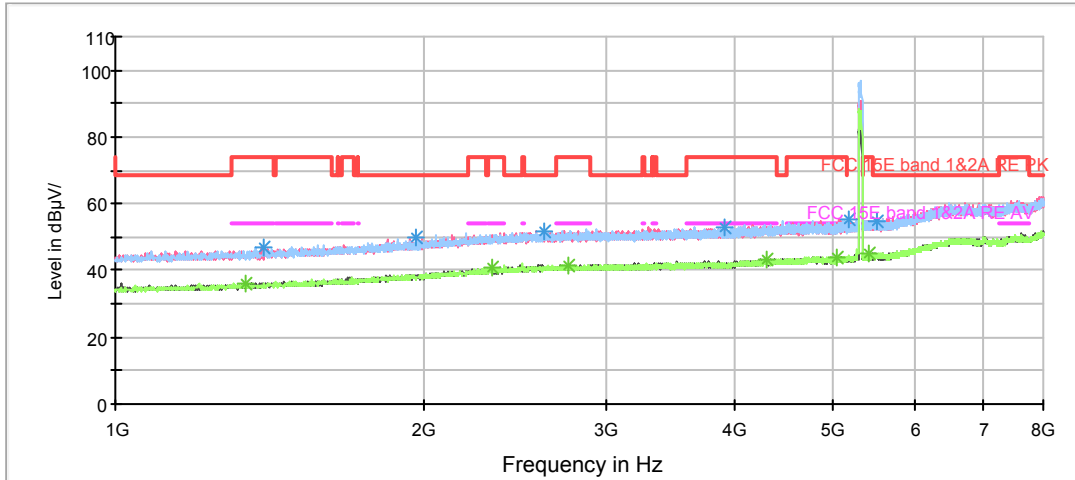
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1553.000000	37.2	200.0	H	135.0	36.4	0.8	16.8	54
2744.750000	41.8	100.0	H	240.0	35.7	6.1	12.2	54
3802.625000	42.8	100.0	V	190.0	35.2	7.6	11.2	54
5086.250000	44.6	200.0	H	313.0	34.7	9.9	9.4	54
5409.125000	45.0	100.0	H	62.0	34.4	10.6	9.0	54

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

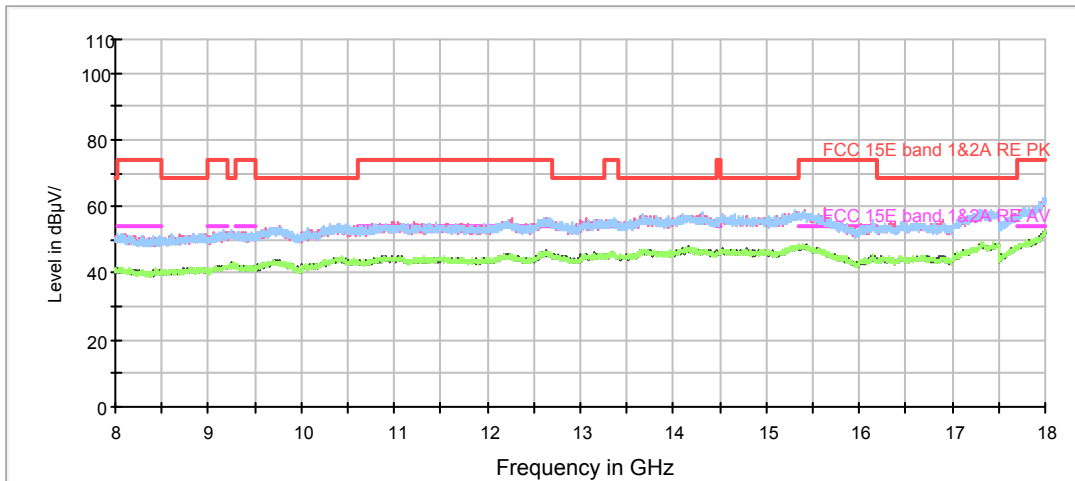
802.11ac (HT40) CH62

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
 Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1391.125000	47.2	200.0	V	184.0	47.2	0.0	26.8	74
1965.125000	49.7	100.0	V	178.0	46.7	3.0	18.6	68.3
2610.000000	51.9	100.0	H	11.0	46.0	5.9	16.4	68.3
3921.625000	53.0	200.0	V	3.0	45.3	7.7	21.0	74
5166.750000	55.6	100.0	H	2.0	45.5	10.1	12.7	68.3
5507.125000	54.9	200.0	V	62.0	44.1	10.8	13.4	68.3

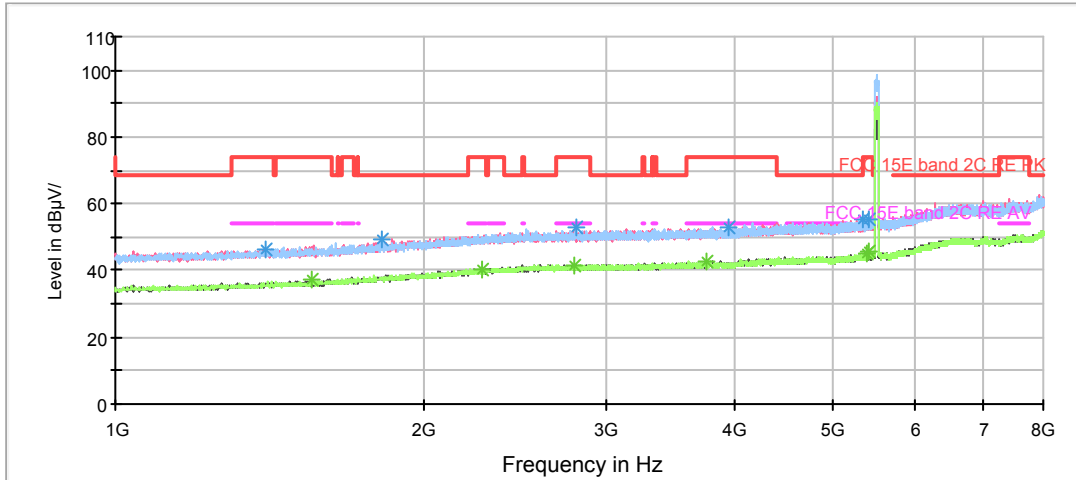
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1340.375000	36.3	200.0	V	115.0	36.6	-0.3	17.7	54
2325.625000	40.8	200.0	H	190.0	35.7	5.1	13.2	54
2764.000000	41.6	200.0	H	0.0	35.4	6.2	12.4	54
4296.125000	43.6	200.0	V	0.0	34.8	8.8	10.4	54
5032.000000	44.2	100.0	V	359.0	34.5	9.7	9.8	54
5422.250000	44.9	100.0	V	247.0	34.3	10.6	9.1	54

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

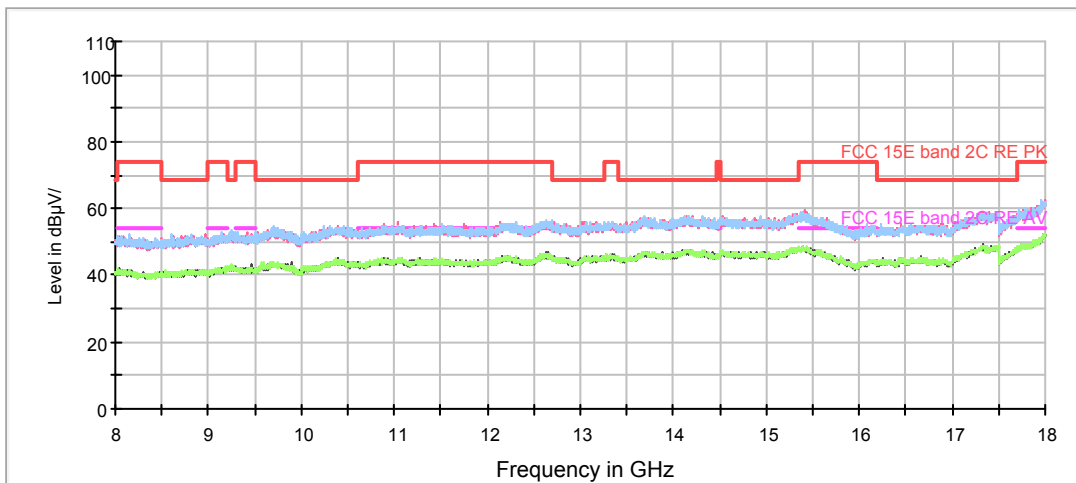
802.11ac (HT40) CH102

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1402.500000	46.4	200.0	V	142.0	46.4	0.0	27.6	74
1815.500000	49.2	200.0	H	180.0	46.9	2.3	19.1	68.3
2803.375000	52.8	200.0	H	235.0	46.6	6.2	21.2	74
3961.000000	52.7	200.0	H	93.0	45.0	7.7	21.3	74
5335.625000	55.4	200.0	H	0.0	45.0	10.4	12.9	68.3
5404.750000	55.6	100.0	V	325.0	45.0	10.6	12.7	68.3

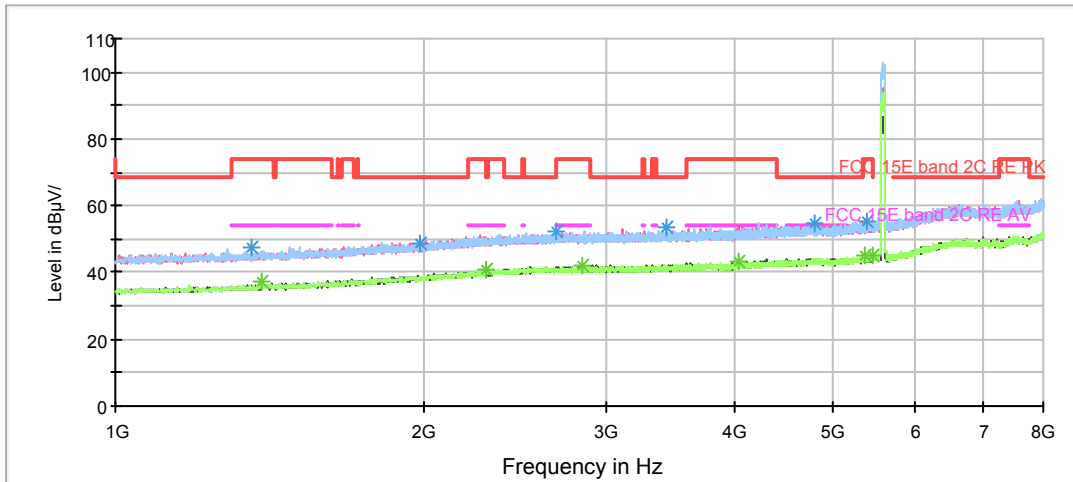
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1554.750000	37.1	100.0	V	325.0	36.3	0.8	16.9	54
2272.250000	40.5	100.0	V	29.0	35.7	4.8	13.5	54
2795.500000	41.6	200.0	V	184.0	35.4	6.2	12.4	54
3758.875000	42.6	100.0	V	20.0	35.0	7.6	11.4	54
5380.250000	45.3	100.0	H	73.0	34.8	10.5	8.7	54
5421.375000	45.4	100.0	H	208.0	34.8	10.6	8.6	54

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

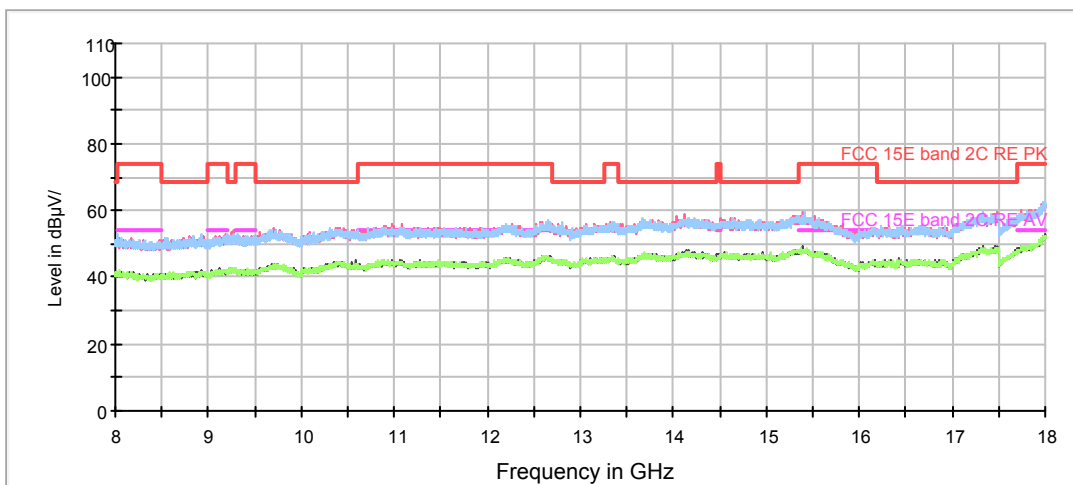
802.11ac (HT40) CH118

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
 Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1357.000000	47.5	200.0	H	355.0	47.8	-0.3	26.5	74
1980.875000	48.9	200.0	H	120.0	45.9	3.0	19.4	68.3
2687.000000	52.1	200.0	H	297.0	46.1	6.0	16.2	68.3
3435.125000	53.5	200.0	H	0.0	46.5	7.0	14.8	68.3
4785.250000	54.8	100.0	V	322.0	45.3	9.5	13.5	68.3
5397.750000	55.0	200.0	H	346.0	44.4	10.6	19.0	74

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

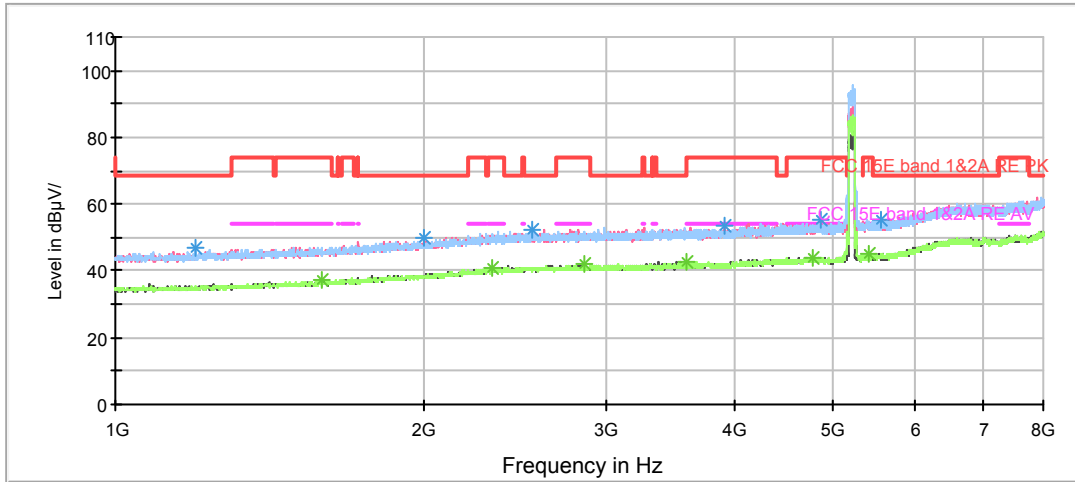
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1387.625000	37.2	100.0	H	298.0	37.2	0.0	16.8	54
2300.250000	40.8	100.0	V	0.0	35.8	5.0	13.2	54
2850.625000	41.8	200.0	V	133.0	35.5	6.3	12.2	54
4038.875000	43.3	200.0	H	190.0	35.2	8.1	10.7	54
5375.000000	45.0	100.0	H	0.0	34.5	10.5	9.0	54
5449.375000	44.8	200.0	V	52.0	34.1	10.7	9.2	54

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



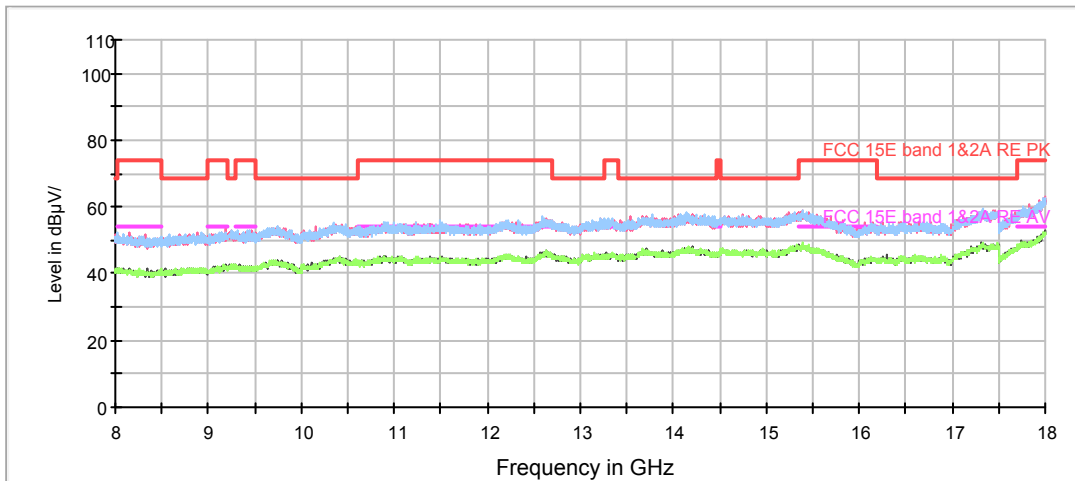
802.11ac (HT80) CH42

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1196.875000	47.0	200.0	H	358.0	47.9	-0.9	21.3	68.3
1994.000000	49.7	200.0	V	55.0	46.6	3.1	18.6	68.3
2540.875000	52.2	200.0	H	0.0	46.4	5.8	16.1	68.3
3912.000000	53.4	100.0	V	322.0	45.7	7.7	20.6	74
4849.125000	55.5	200.0	V	242.0	45.9	9.6	18.5	74
5550.000000	55.3	200.0	V	192.0	44.5	10.8	13.0	68.3

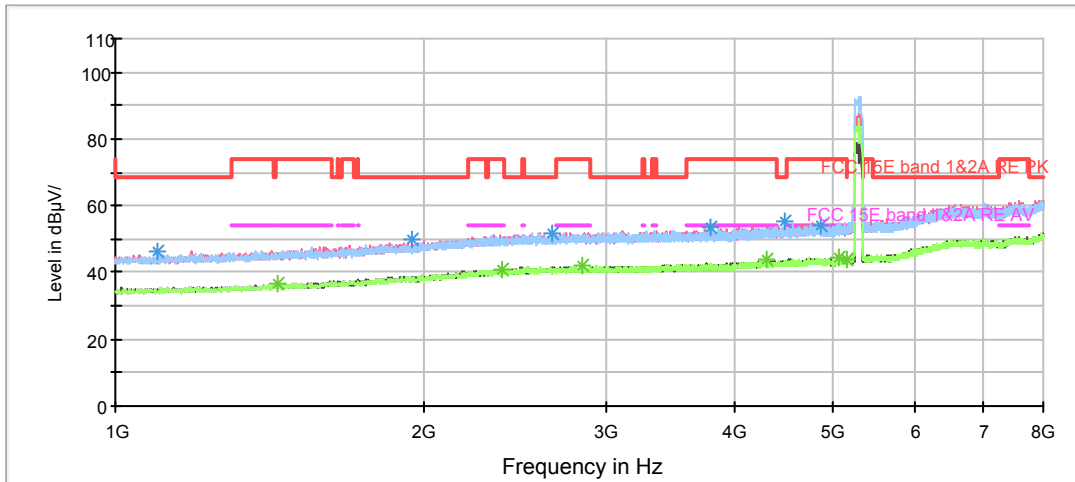
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1585.375000	37.1	100.0	V	231.0	36.1	1.0	16.9	54
2324.750000	41.0	200.0	V	109.0	35.9	5.1	13.0	54
2866.375000	42.0	200.0	H	163.0	35.7	6.3	12.0	54
3590.875000	42.8	100.0	V	354.0	35.6	7.2	11.2	54
4766.875000	44.1	200.0	V	0.0	34.6	9.5	9.9	54
5402.125000	44.9	200.0	H	347.0	34.3	10.6	9.1	54

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

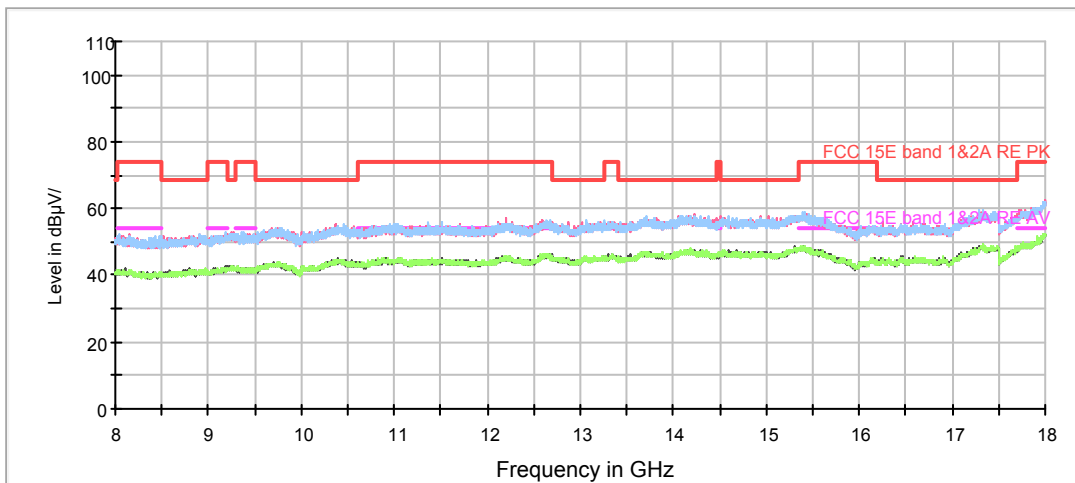
802.11ac (HT80) CH58

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1100.625000	46.3	100.0	H	0.0	47.5	-1.2	22.0	68.3
1944.125000	49.8	100.0	V	355.0	46.9	2.9	18.5	68.3
2659.875000	51.8	100.0	H	126.0	45.8	6.0	16.5	68.3
3795.625000	53.7	100.0	V	266.0	46.1	7.6	20.3	74
4479.875000	55.1	100.0	H	237.0	45.9	9.2	13.2	68.3
4868.375000	54.2	100.0	H	252.0	44.6	9.6	19.8	74

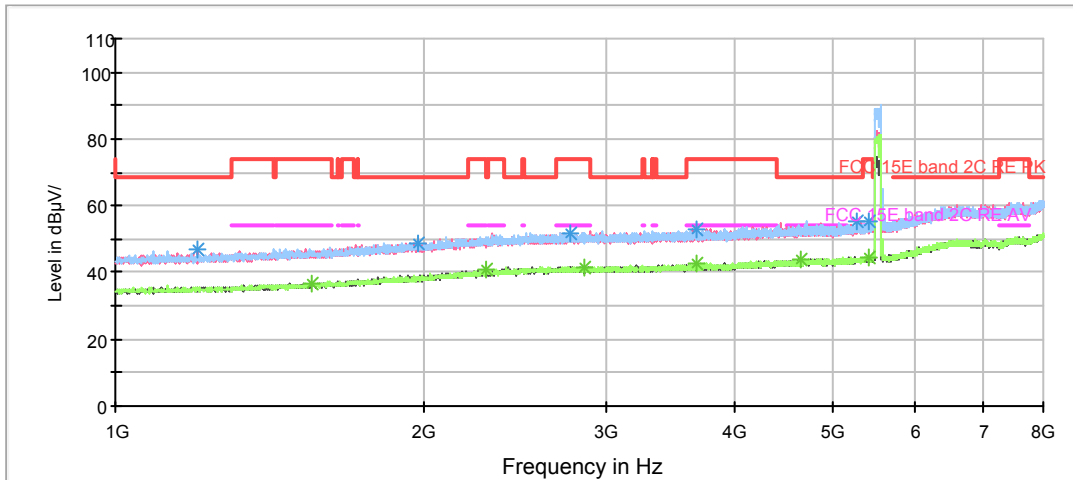
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1441.875000	36.4	200.0	V	4.0	36.2	0.2	17.6	54
2382.500000	40.9	200.0	V	0.0	35.6	5.3	13.1	54
2852.375000	41.8	200.0	H	326.0	35.5	6.3	12.2	54
4309.250000	43.7	100.0	V	0.0	34.9	8.8	10.3	54
5060.875000	44.5	100.0	H	286.0	34.7	9.8	9.5	54
5145.750000	44.1	200.0	V	0.0	34.1	10.0	9.9	54

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

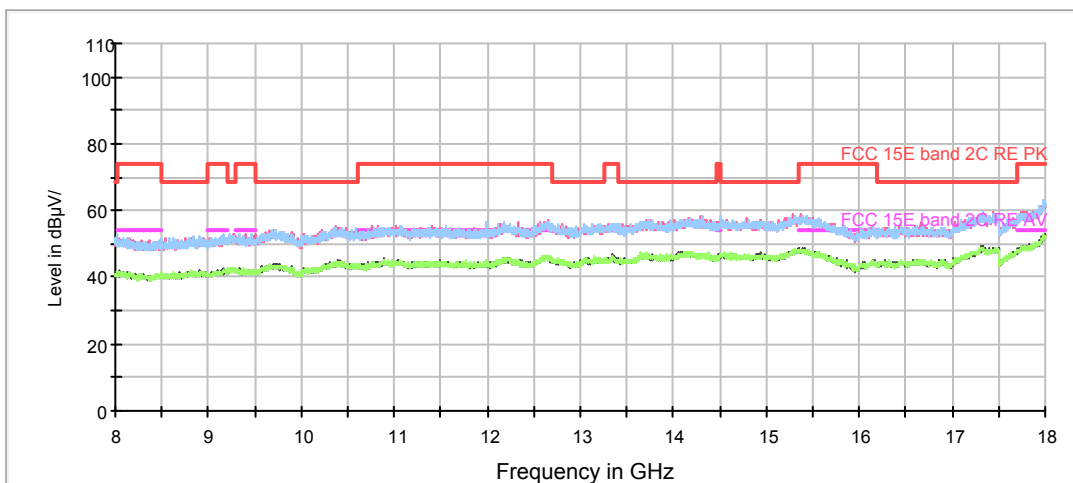
802.11ac (HT80) CH106

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
 Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1200.375000	46.6	100.0	V	190.0	47.5	-0.9	21.7	68.3
1970.375000	48.9	200.0	H	347.0	45.9	3.0	19.4	68.3
2777.125000	51.8	100.0	V	20.0	45.5	6.3	22.2	74
3685.375000	53.1	100.0	H	282.0	45.6	7.5	20.9	74
5270.875000	55.2	200.0	H	152.0	44.9	10.3	13.1	68.3
5410.875000	55.1	100.0	V	120.0	44.5	10.6	18.9	74

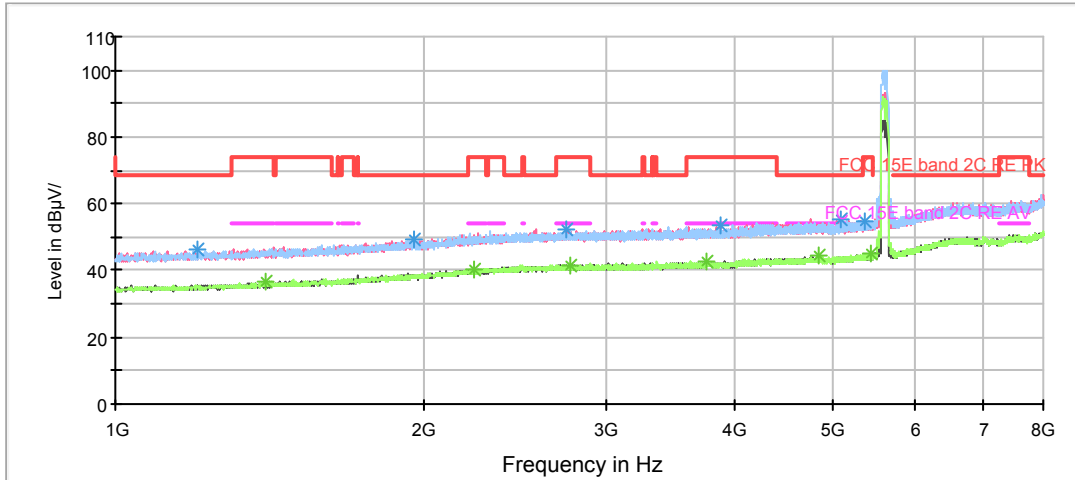
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1555.625000	36.9	200.0	H	46.0	36.1	0.8	17.1	54
2294.125000	40.7	100.0	V	338.0	35.8	4.9	13.3	54
2862.875000	41.8	200.0	V	224.0	35.5	6.3	12.2	54
3682.750000	42.6	200.0	H	276.0	35.1	7.5	11.4	54
4637.375000	43.9	200.0	V	210.0	34.6	9.3	10.1	54
5410.875000	44.6	100.0	V	120.0	34.0	10.6	9.4	54

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

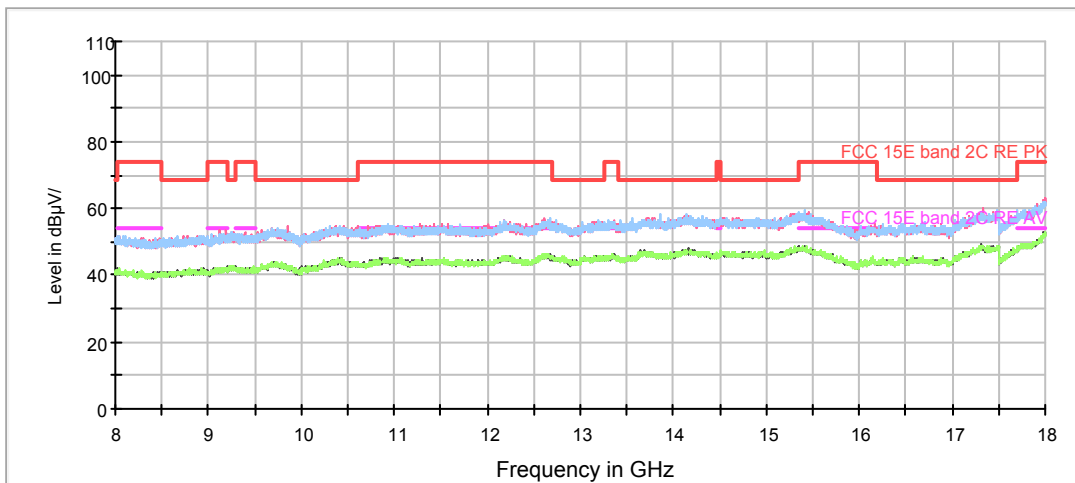
802.11ac (HT80) CH122

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 1GHz to 8GHz
Note: The signal beyond the limit is carrier.

FCC RE 1G-18GHz PK+AV Class B



Radiates Emission from 8GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1204.750000	46.4	100.0	H	4.0	47.3	-0.9	21.9	68.3
1948.500000	49.1	100.0	V	0.0	46.2	2.9	19.2	68.3
2743.875000	52.4	200.0	V	4.0	46.3	6.1	21.6	74
3878.750000	53.3	200.0	V	20.0	45.6	7.7	20.7	74
5074.875000	55.3	200.0	H	328.0	45.5	9.8	13.0	68.3
5374.125000	54.6	200.0	V	2.0	44.1	10.5	19.4	74

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

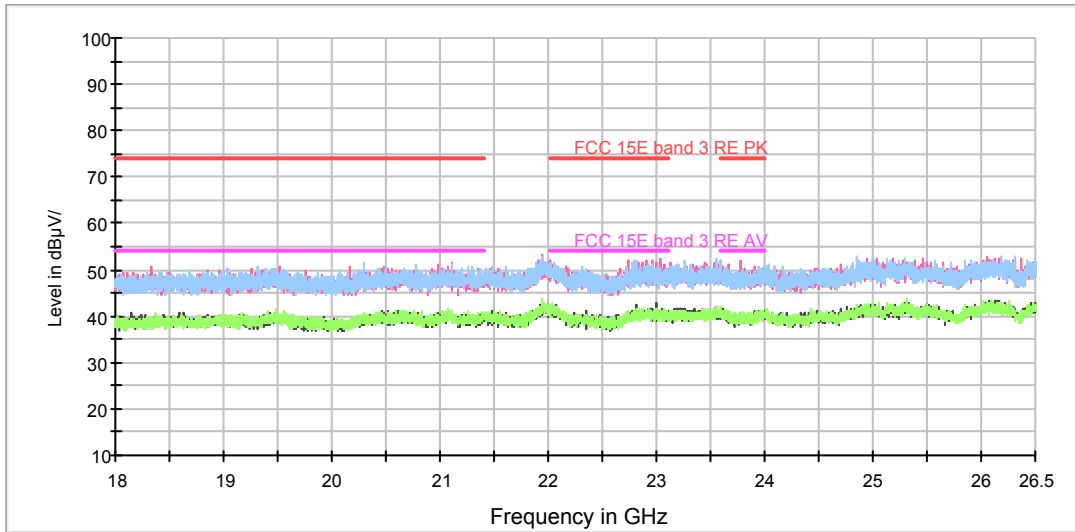
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1403.375000	36.9	100.0	H	210.0	36.9	0.0	17.1	54
2236.375000	40.4	200.0	V	12.0	35.8	4.6	13.6	54
2774.500000	41.5	200.0	H	21.0	35.3	6.2	12.5	54
3758.875000	42.7	100.0	V	30.0	35.1	7.6	11.3	54
4829.000000	44.4	200.0	H	301.0	34.8	9.6	9.6	54
5439.750000	45.0	200.0	V	0.0	34.3	10.7	9.0	54

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



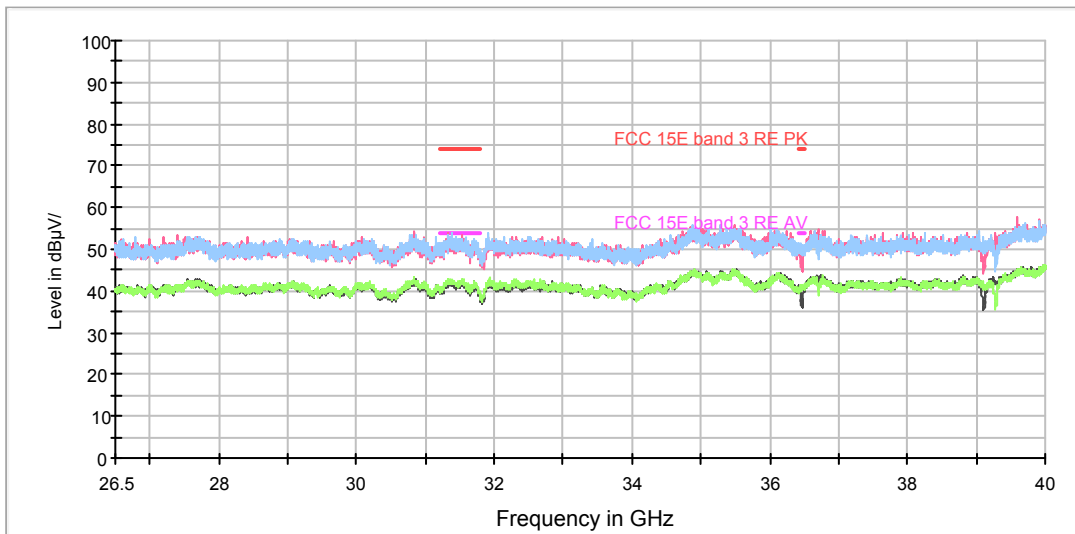
During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11a, Channel 36 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz



6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Spectrum Analyzer	R&S	FSV40	15195-01-00	2018-05-20	2019-05-19
EMI Test Receiver	R&S	ESCI	100948	2018-05-20	2019-05-19
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2017-09-26	2019-09-25
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	9163-201	2017-11-18	2019-11-17
Double Ridged Waveguide Horn Antenna	R&S	HF907	100126	2018-07-07	2020-07-06
Standard Gain Horn	ETS-Lindgren	3160-09	00102643	2018-06-20	2020-06-19
Standard Gain Horn	STEATITE	QSH-SL-26-40 -K-15	16779	2017-07-20	2019-07-19
Software	R&S	EMC32	9.26.0	/	/

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