



RF TEST REPORT

Applicant Huawei Technologies Co., Ltd.
FCC ID QISJKM-LX3
Product Smart Phone
Model JKM-LX3
Report No. R1807H0096-R4
Issue Date August 30, 2018

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15C (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	15.247(d),15.205,15.209	PASS
2	Conducted Emissions	15.207	PASS
Date of Testing: August 2, 2018 ~ August 12, 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
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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

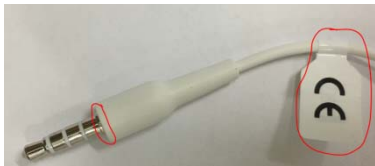
EUT Description	
Model	JKM-LX3
IMEI	SIM 1:866861040004689 SIM 2:866861040004960
Hardware Version	HL3JKMM
Software Version	JKM-LX3 5.0.1.33(C900)
Power Supply	Battery/AC adapter
Antenna Type	Internal Antenna
Antenna Connector	A permanently attached antenna (meet with the standard FCC Part 15.203 requirement)
additional beamforming gain	NA
Test Mode	Bluetooth V4.2 LE 802.11b 802.11g, 802.11n(HT20/HT40);
Modulation Type	BLE :GFSK 802.11b: DSSS; 802.11g/n(HT20/HT40): OFDM
Operating Frequency Range(s)	802.11b/g/n(HT20): 2412 ~ 2462 MHz 802.11n(HT40): 2422 ~ 2452 MHz BLE: 2402 ~2480 MHz
EUT Accessory	
Adapter 1	Manufacturer: SALCOMP(GUIGANG)CO.,LTD Model: HW-050200U02 SN: K95501J3N00047
Adapter 2	Manufacturer: HUIZHOU BYD ELECTRONIC CO., LTD. Model: HW-050200U02 SN: B95532J5T00027
Adapter 3	Manufacturer: SHENZHEN HUNTKEY ELECTRIC CO., LTD.



	Model: HW-050200U02 SN: H955KAJ4M00140
Adapter 4	Manufacturer: Dongguan Phitek Electronics Co., Ltd. Model: HW-050200U02 SN: P95521J6200050
Adapter 5	Manufacturer: HUIZHOU BYD ELECTRONIC CO., LTD. Model: HW-050200U01 SN: 878697J4J02221
Adapter 6	Manufacturer: SHENZHEN HUNTKEY ELECTRIC CO., LTD. Model: HW-050200U01 SN: H786K9J4V01335
Adapter 7	Manufacturer: Dongguan Phitek Electronics Co., Ltd. Model: HW-050200U01 SN: P78621J4278849
Battery 1	Manufacturer: HuaweiTechnologies Co., Ltd. (Manufacturer: SCUD) Model: HB406689ECW SN: 2791ACI708900020
Battery 2	Manufacturer: HuaweiTechnologies Co., Ltd. (Manufacturer: Desay) Model: HB406689ECW SN: 2791AYI717X00018
Earphone 1	Manufacturer: GoerTek Inc Model: HA1-3W
Earphone 2	Manufacturer: Jiangxi Lianchuang Hongsheng Electronic Co.,LTD Model: MEMD1532B528A00
Earphone 3	Manufacturer: BOLUO COUNTY QUANCHENG ELECTRONIC CO.,LTD Model: 1293-3283-3.5mm-300
Earphone 4	Manufacturer: FOXCONN INTERCONNECT TECHNOLOGY LIMITED Model: EPAB542-2WH03-DH
Earphone 5	Manufacturer: Jiangxi Lianchuang Hongsheng Electronic Co. ,LTD Model: MEND1532B528A02
Earphone 6	Manufacturer: Boluo County Quancheng Electronic Co.,ltd Model: 11293-3283-3.5mm-322
USB Cable 1	Manufacturer: NingBo Broad Telecommunication Co., Ltd. Model: WA0001
USB Cable 2	Manufacturer: HONGLIN TECHNOLOGY CO., LTD. Model: 130-26669
USB Cable 3	Manufacturer: FOXCONN INTERCONNECT TECHNOLOGY LIMITED

	Model: CUBB01M-HC304-DH
USB Cable 4	Manufacturer: LuXshare Model: L99U2017-CS-H
Note: 1. The information of the EUT is declared by the manufacturer. 2. There is more than one Adapter/ SIM /USB cable/ Battery/Earphone, each one should be applied throughout the compliance test respectively, and however, only the worst case (Adapter 1/SIM 1/USB cable 4/ Battery 2/Earphone 2) will be recorded in this report.	

More details information with earphone

HUAWEI code	22040300	22040322
Manufactory	1.Lianchuang 2.QUANCHENG 3.FOXCONN 4.GoerTek	1.Lianchuang 2.QUANCHENG
model	1. MEMD1532B528A00 2. 1293-3283-3.5mm-300 3.EPAB542-2WH03-DH 4. HA1-3W	1. MEND1532B528A02 2. 1293-3283-3.5mm-322
PCB	The PCB of the same Manufactory is the same	The PCB of the same Manufactory is the same
Appearance		 1.change the plastic of earphone head 2.remove the CE label

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 15C (2018) Radio Frequency Devices**
- **ANSI C63.10 (2013)**
- **KDB 558074 D01 DTS Meas Guidance v04**
-

4. Test Case Results

4.1. Unwanted Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	102.5kPa

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 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. Sweep the Restricted Band and the emissions less than 20 dB below the permissible value are reported.

The radiated emissions measurements were made in a typical installation configuration.

Sweep the whole frequency band through the range from 9 kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

This method refer to KDB 558074.

The procedure for peak unwanted emissions measurements above 1000 MHz is as follows:

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

- 1) RBW = 1 MHz.
- 2) VBW $\geq [3 \times \text{RBW}]$
- 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 $\geq [3 \times \text{RBW}]$.
- c) Detector = RMS (power averaging), if $[\text{span} / (\# \text{ of points in sweep})] \leq \text{RBW} / 2$. 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.

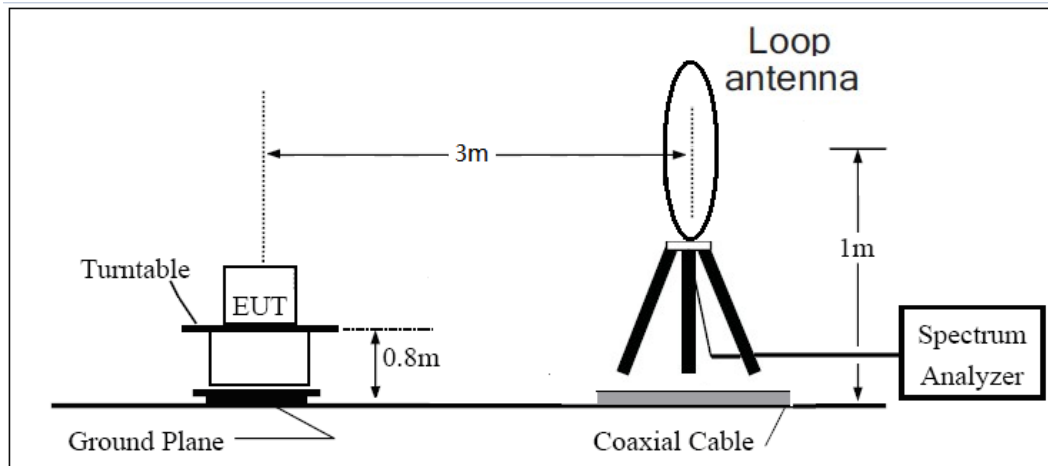
3) If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

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 lie-down position (X axis) and the antenna is vertical.

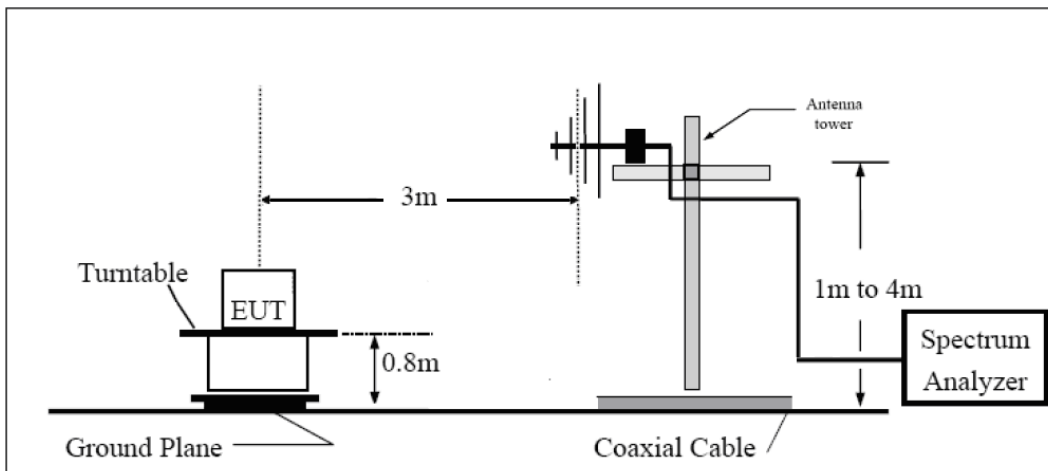
The test is in transmitting mode.

Test setup

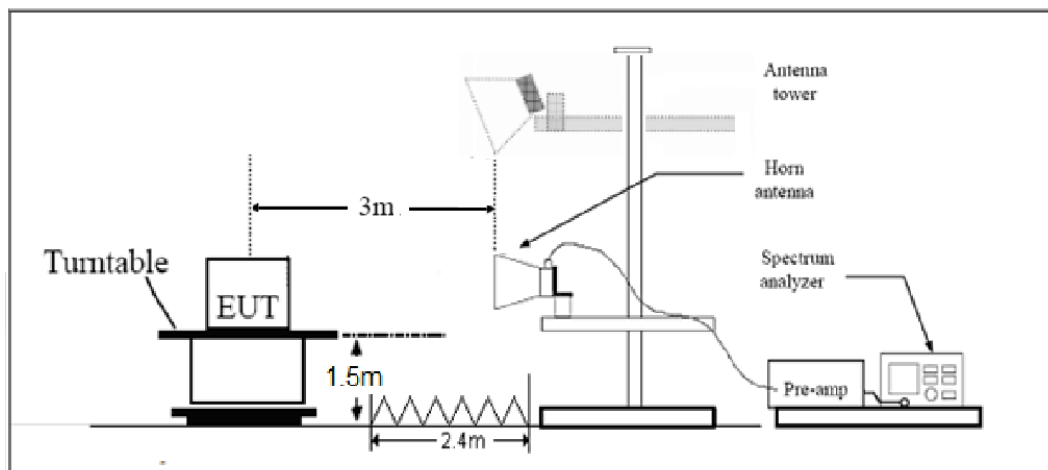
9KHz ~ 30MHz



30MHz ~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

Limits

Rule Part 15.247(d) specifies that “In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).”

Limit in restricted band

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

§15.35(b)

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

Peak Limit=74 dBuV/m

Average Limit=54 dBuV/m

Spurious Radiated Emissions are permitted in any of the frequency bands listed below:

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			

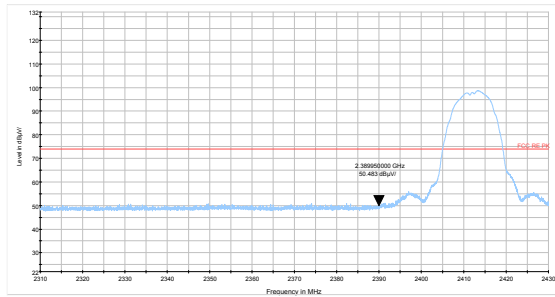
Measurement Uncertainty

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

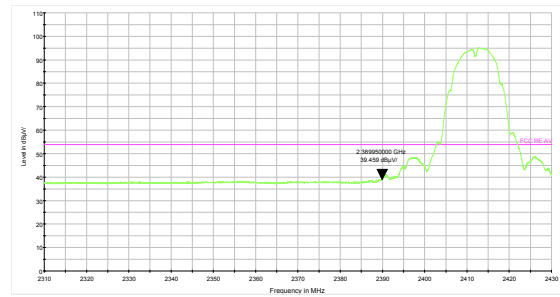
Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.19 dB
200MHz-1GHz	3.63 dB
Above 1GHz	3.68 dB

Test Results:

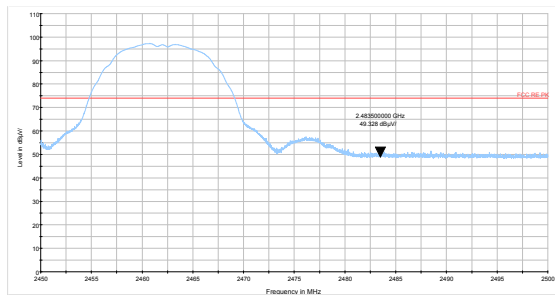
The signal beyond the limit is carrier.



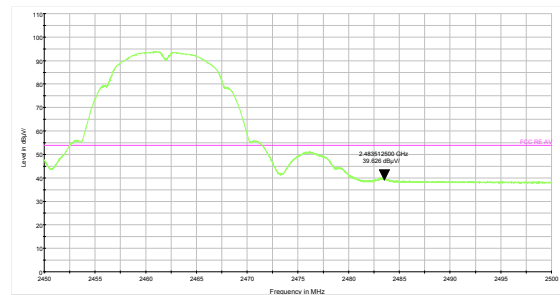
802.11b-Channel 1 Peak



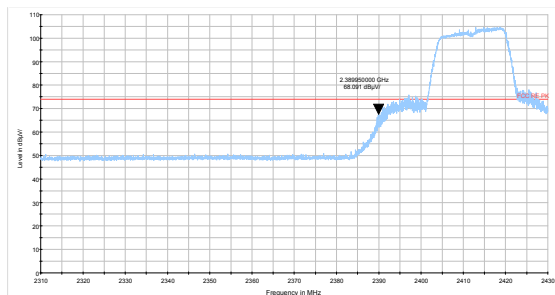
802.11b-Channel 1 Average



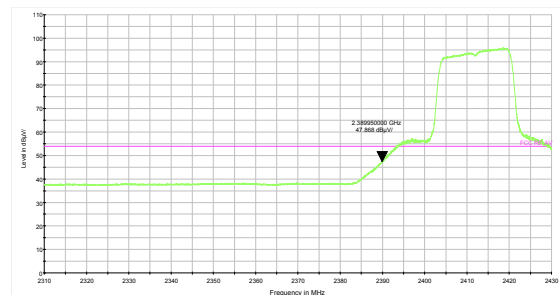
802.11b-Channel 11 Peak



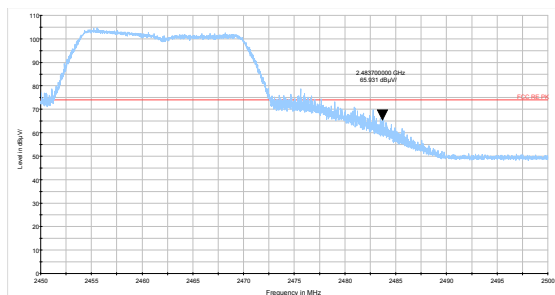
802.11b-Channel 11 Average



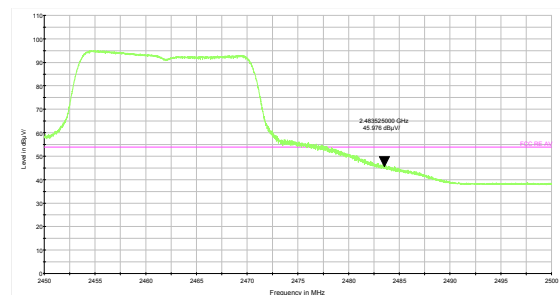
802.11g-Channel 1 Peak



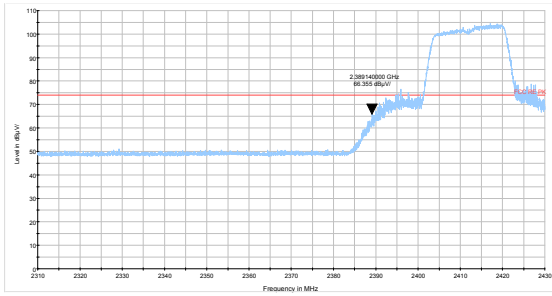
802.11g-Channel 1 Average



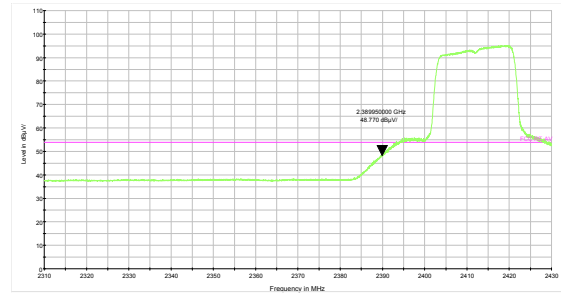
802.11g-Channel 11 Peak



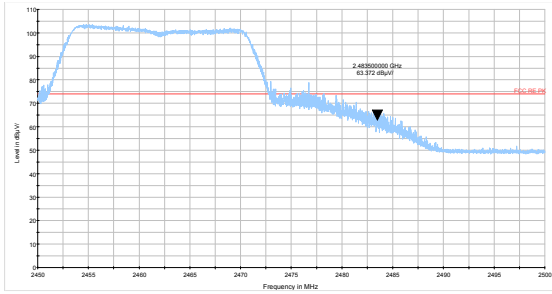
802.11g-Channel 11 Average



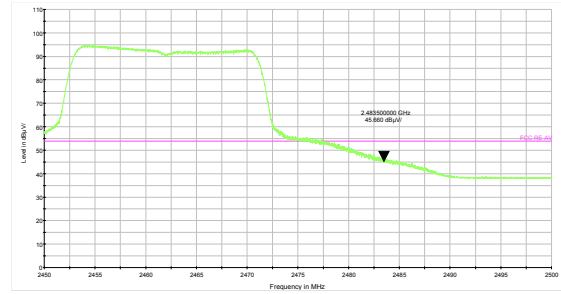
802.11n HT20 -Channel 1 Peak



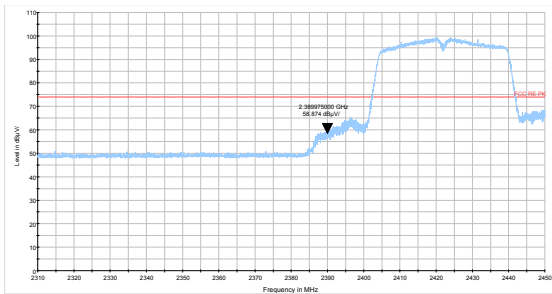
802.11n HT20 -Channel 1 Average



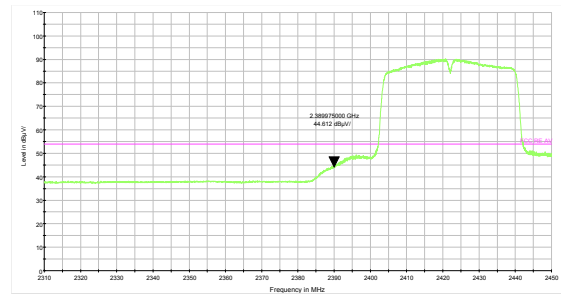
802.11n HT20 -Channel 11 Peak



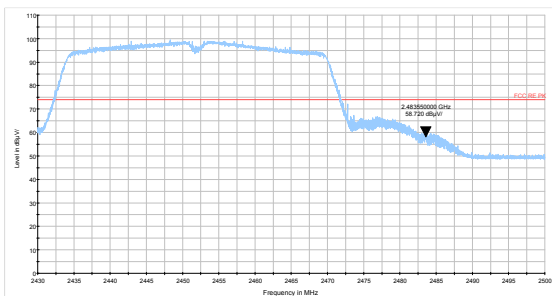
802.11n HT20 -Channel 11 Average



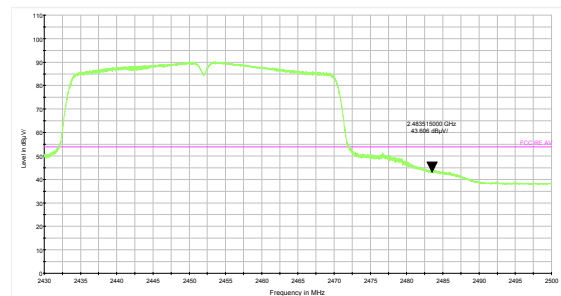
802.11n HT40 -Channel 3 Peak



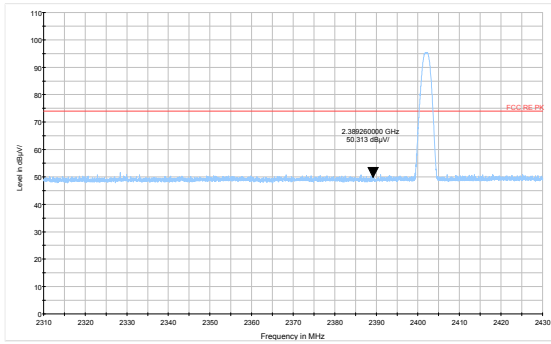
802.11n HT40 -Channel 3 Average



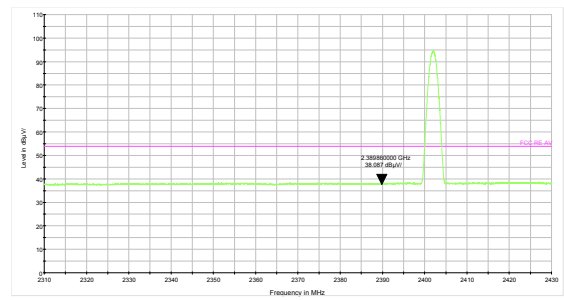
802.11n HT40 -Channel 9 Peak



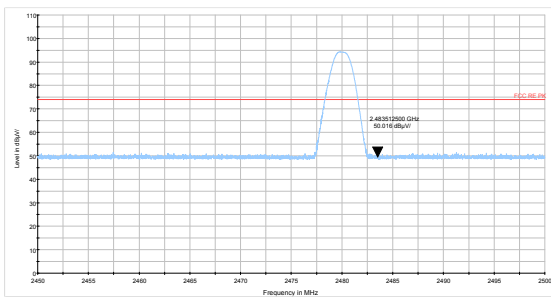
802.11n HT40 -Channel 9 Average



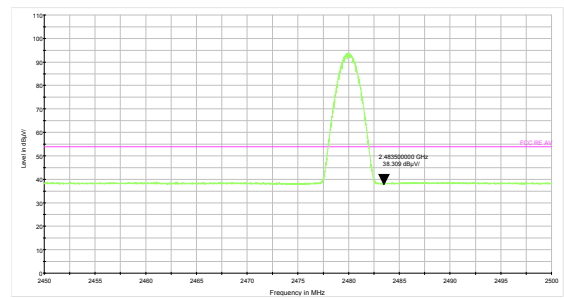
BLE Channel 0 Peak



BLE Channel 0 Average



BLE Channel 39 Peak



BLE Channel 39 Average

Result of RE

Test result

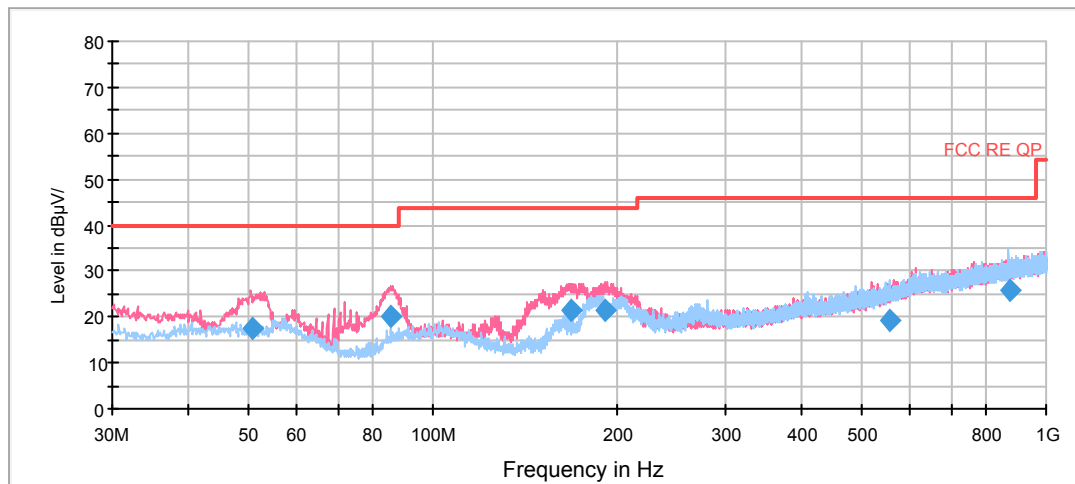
Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the Emissions in the frequency band 9kHz-30MHz and 18GHz-26.5GHz are more than 20dB below the limit are not reported.

The following graphs display the maximum values of horizontal and vertical by software.
For above 1GHz, Blue trace uses the peak detection, Green trace uses the average detection.

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11b, Channel 11 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Continuous TX mode:

RE 0.03-1GHz QP Class B



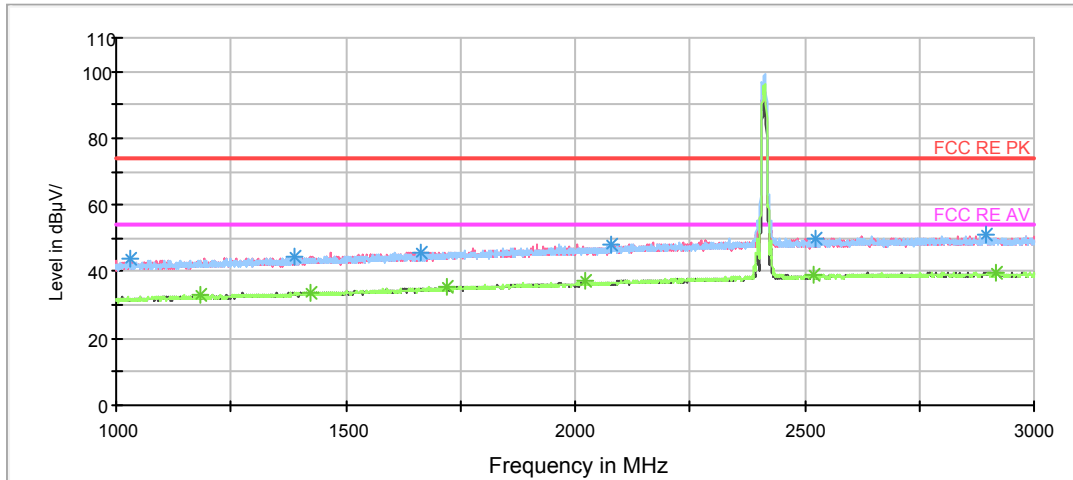
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
50.851250	17.7	4.6	100.0	V	3.0	13.1	22.3	40.0
85.577500	20.2	9.8	100.0	V	140.0	10.4	19.8	40.0
168.623750	21.4	11.1	100.0	V	233.0	10.3	22.1	43.5
190.737500	21.5	9.9	100.0	V	105.0	11.6	22.0	43.5
554.043750	19.4	-2.3	200.0	H	243.0	21.7	26.6	46.0
870.620000	25.7	-0.5	100.0	H	104.0	26.2	20.3	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

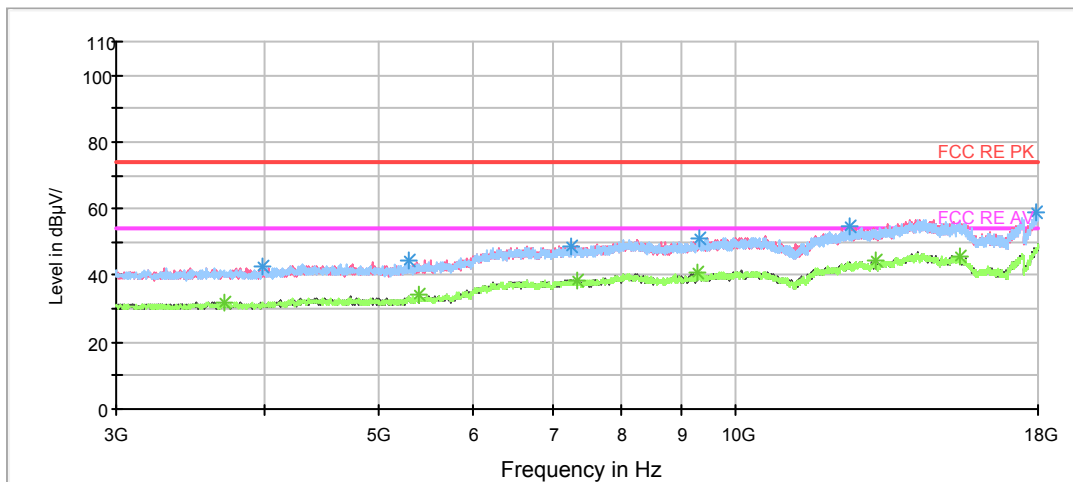
802.11b CH1

FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1030.000000	43.8	100.0	V	310.0	39.0	4.8	30.2	74
1390.000000	44.5	100.0	H	0.0	37.9	6.6	29.5	74
1662.000000	46.0	100.0	V	169.0	38.0	8.0	28.0	74
2079.500000	48.0	200.0	H	284.0	37.7	10.3	26.0	74
2896.500000	51.4	100.0	H	3.0	38.7	12.7	22.6	74
2523.500000	49.7	200.0	V	2.0	37.6	12.1	24.3	74

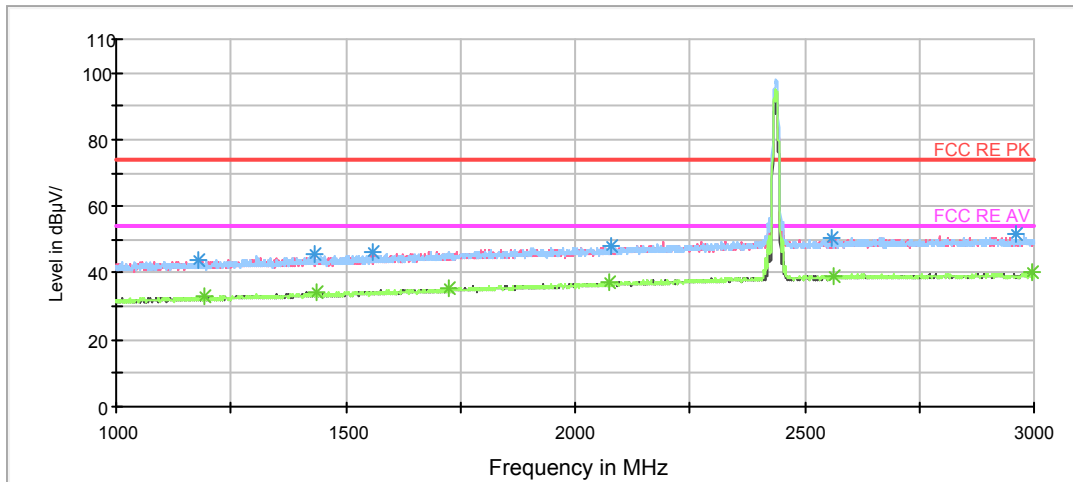
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1181.500000	33.0	100.0	H	130.0	27.3	5.7	21.0	54
1425.000000	33.8	100.0	V	205.0	27.0	6.8	20.2	54
1718.500000	35.4	200.0	V	178.0	27.1	8.3	18.6	54
2024.000000	37.1	200.0	H	172.0	27.2	9.9	16.9	54
2918.000000	39.8	200.0	H	284.0	26.9	12.9	14.2	54
2517.500000	38.8	200.0	V	125.0	26.6	12.2	15.2	54

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

802.11b CH6

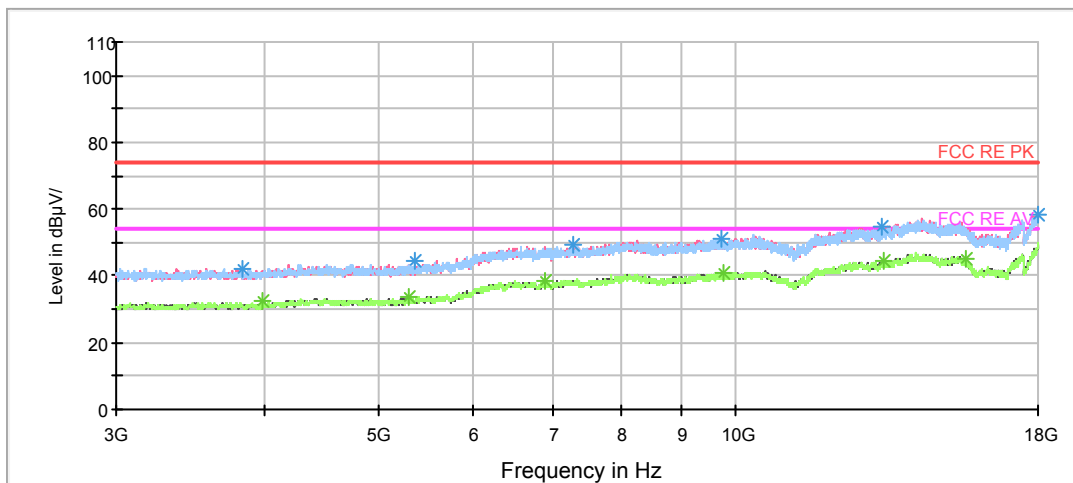
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1180.000000	44.0	200.0	V	12.0	38.4	5.6	30.0	74
1432.000000	45.5	200.0	V	97.0	38.7	6.8	28.5	74
1558.000000	46.3	100.0	V	0.0	38.9	7.4	27.7	74
2077.000000	47.8	200.0	H	140.0	37.7	10.1	26.2	74
2960.500000	51.9	100.0	H	65.0	39.2	12.7	22.1	74
2560.500000	50.4	100.0	V	352.0	38.0	12.4	23.6	74

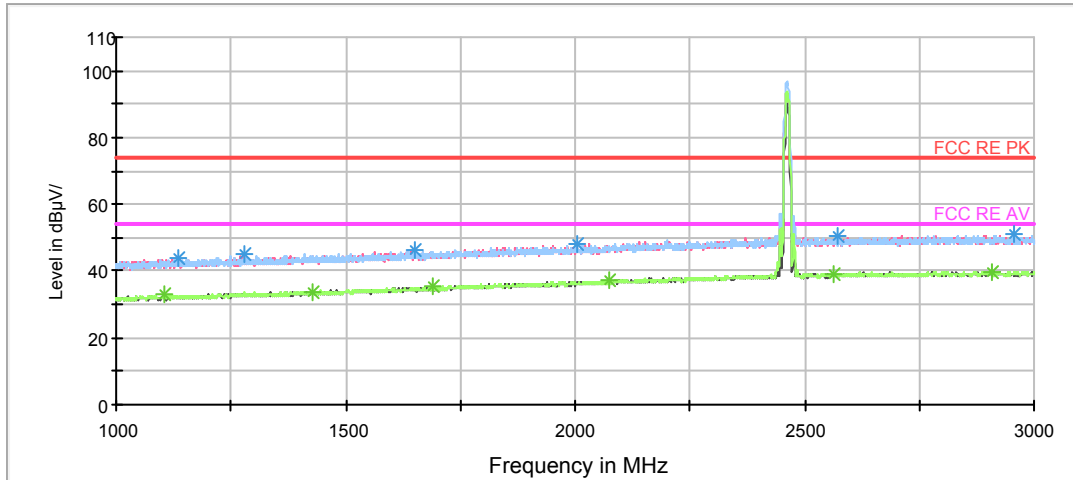
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1193.000000	32.9	100.0	V	300.0	27.2	5.7	21.1	54
1437.500000	34.1	200.0	H	352.0	27.3	6.8	19.9	54
1723.000000	35.3	200.0	V	132.0	26.9	8.4	18.7	54
2073.500000	37.0	200.0	H	264.0	26.9	10.1	17.0	54
2994.000000	40.0	100.0	H	14.0	27.3	12.7	14.0	54
2562.000000	39.0	100.0	V	316.0	26.7	12.3	15.0	54

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

802.11b CH11

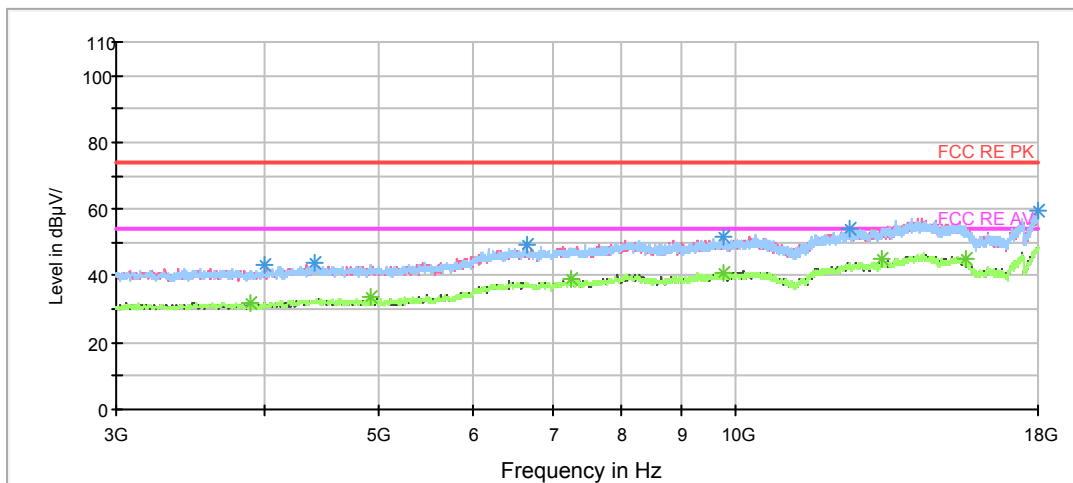
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1135.500000	43.6	100.0	H	46.0	38.3	5.3	30.4	74
1277.500000	45.1	200.0	V	112.0	38.9	6.2	28.9	74
1652.000000	46.2	200.0	H	277.0	38.4	7.8	27.8	74
2004.000000	48.1	100.0	H	9.0	38.3	9.8	25.9	74
2958.500000	50.8	200.0	H	268.0	38.1	12.7	23.2	74
2574.000000	50.3	100.0	H	5.0	38.0	12.3	23.7	74

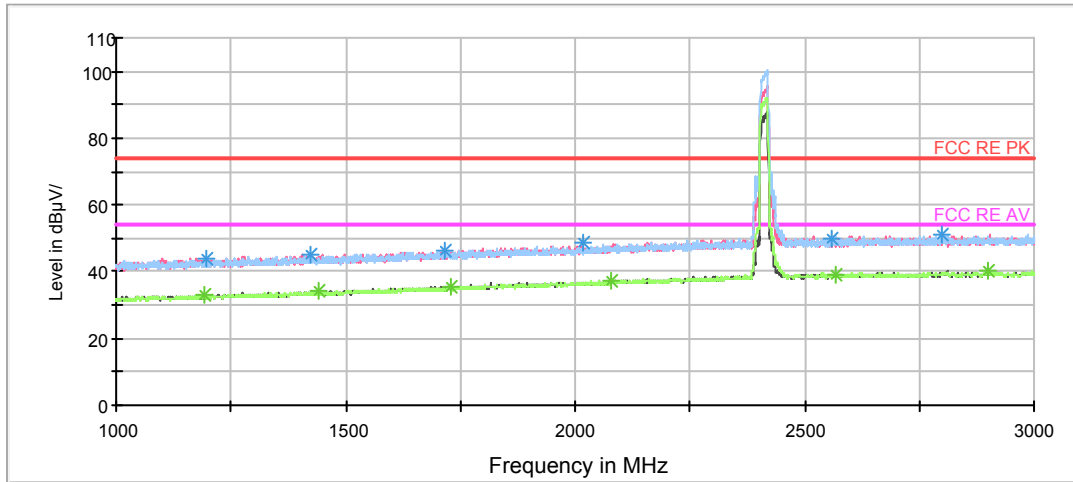
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1106.000000	32.9	200.0	H	251.0	27.6	5.3	21.1	54
1426.500000	33.9	100.0	V	221.0	27.1	6.8	20.1	54
1688.500000	35.5	200.0	H	356.0	27.3	8.2	18.5	54
2072.500000	37.2	200.0	H	123.0	27.0	10.2	16.8	54
2908.000000	39.9	200.0	H	294.0	27.2	12.7	14.1	54
2562.500000	39.3	200.0	V	33.0	27.0	12.3	14.7	54

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

802.11g CH1

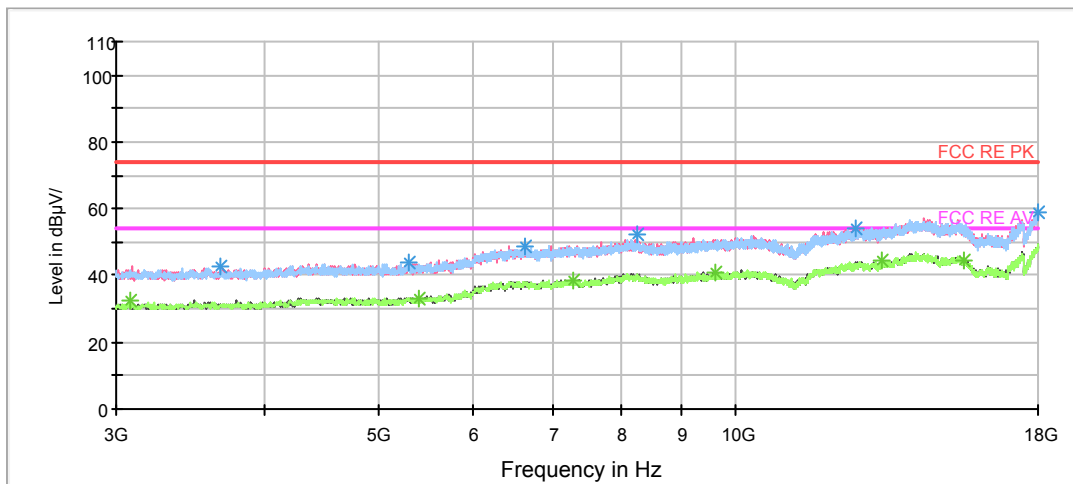
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1197.500000	43.9	100.0	V	124.0	38.3	5.6	30.1	74
1425.000000	45.3	200.0	H	338.0	38.5	6.8	28.7	74
1716.500000	46.5	200.0	V	4.0	38.2	8.3	27.5	74
2016.500000	48.4	200.0	H	312.0	38.6	9.8	25.6	74
2798.000000	50.9	200.0	H	220.0	38.3	12.6	23.1	74
2559.000000	50.1	200.0	H	87.0	37.6	12.5	23.9	74

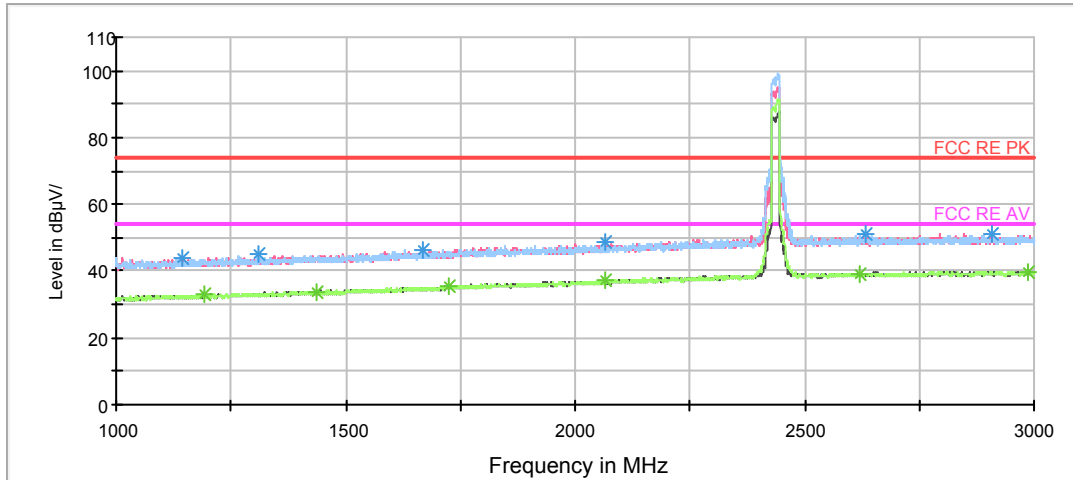
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1192.000000	33.1	200.0	H	247.0	27.4	5.7	20.9	54
1441.000000	34.0	200.0	H	260.0	27.2	6.8	20.0	54
1728.500000	35.4	100.0	V	301.0	27.1	8.3	18.6	54
2079.500000	37.4	100.0	V	353.0	27.1	10.3	16.6	54
2901.500000	40.2	100.0	H	16.0	27.5	12.7	13.8	54
2568.000000	39.1	200.0	V	9.0	26.8	12.3	14.9	54

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

802.11g CH6

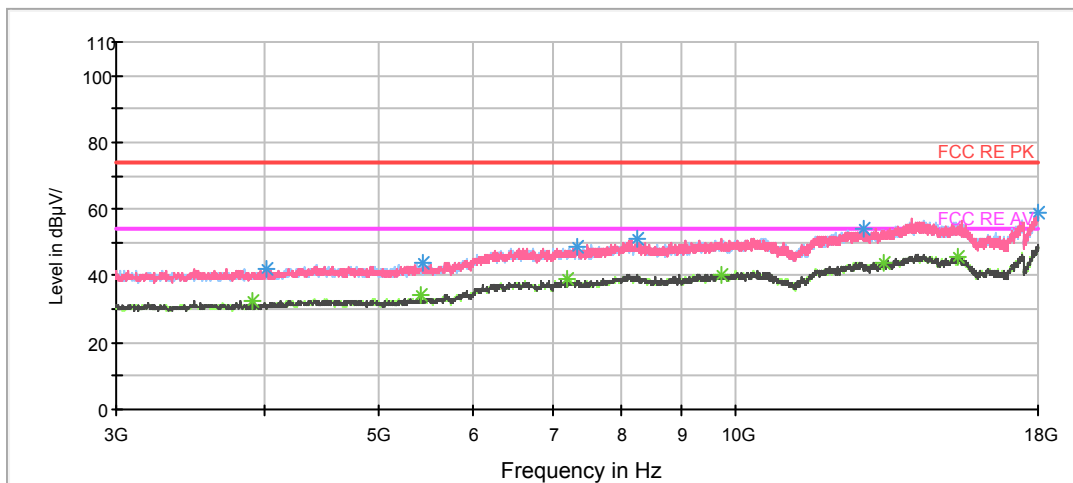
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1142.000000	43.8	100.0	V	356.0	38.4	5.4	30.2	74
1308.000000	44.9	200.0	H	0.0	38.7	6.2	29.1	74
1669.000000	46.3	200.0	V	0.0	38.3	8.0	27.7	74
2064.000000	48.6	100.0	H	200.0	38.6	10.0	25.4	74
2633.500000	51.1	100.0	H	130.0	38.6	12.5	22.9	74
2906.500000	51.2	200.0	V	112.0	38.5	12.7	22.8	74

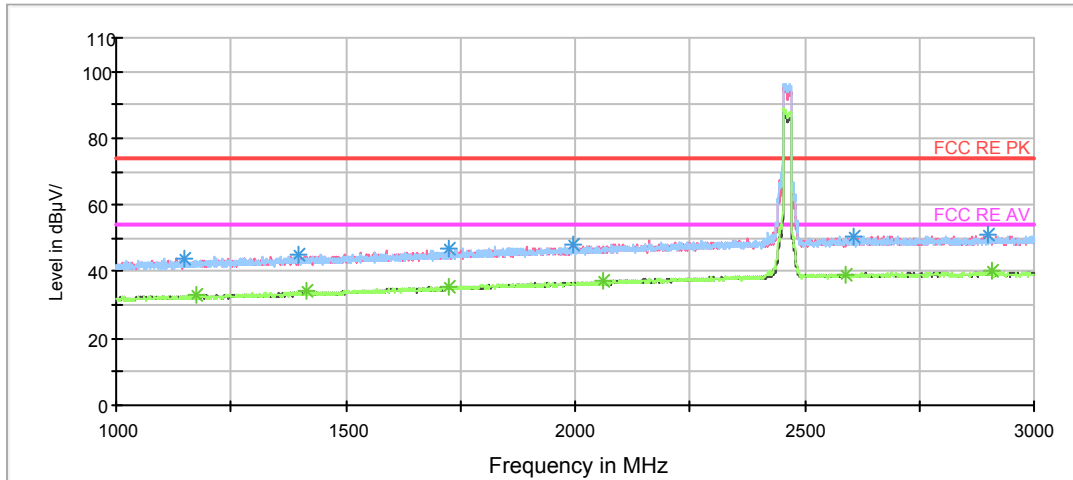
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1194.000000	32.8	200.0	V	210.0	27.1	5.7	21.2	54
1435.000000	34.0	200.0	H	0.0	27.2	6.8	20.0	54
1723.500000	35.4	100.0	H	200.0	27.0	8.4	18.6	54
2067.000000	37.0	200.0	V	218.0	26.8	10.2	17.0	54
2620.500000	39.3	200.0	V	50.0	26.8	12.5	14.7	54
2989.000000	39.9	200.0	V	68.0	27.1	12.8	14.1	54

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

802.11g CH11

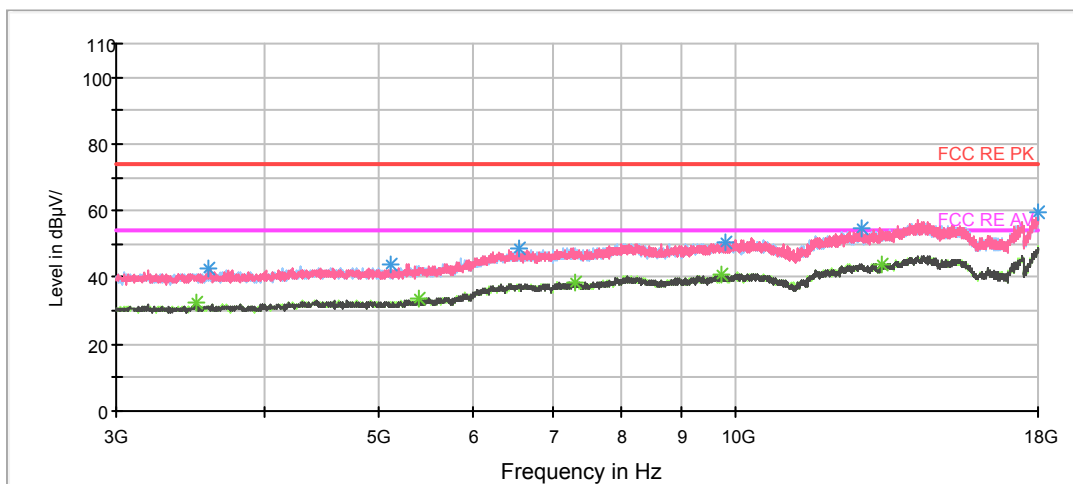
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1148.000000	43.8	100.0	V	142.0	38.5	5.3	30.2	74
1398.000000	44.8	200.0	H	93.0	38.2	6.6	29.2	74
1727.000000	46.9	100.0	V	249.0	38.5	8.4	27.1	74
1994.500000	48.0	100.0	V	275.0	38.3	9.7	26.0	74
2899.500000	50.8	100.0	V	358.0	38.0	12.8	23.2	74
2606.000000	50.2	100.0	H	237.0	37.8	12.4	23.8	74

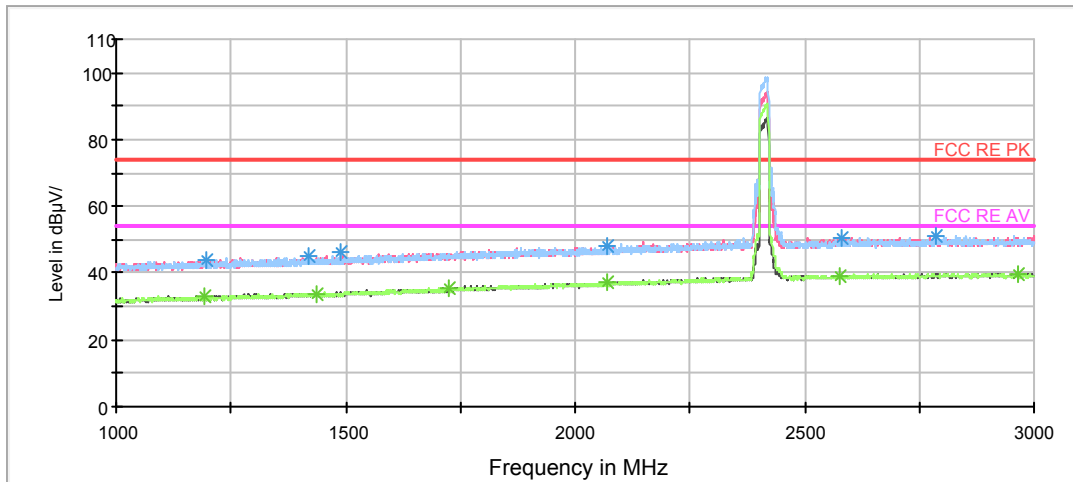
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1175.500000	33.0	100.0	H	183.0	27.4	5.6	21.0	54
1413.000000	34.0	100.0	H	7.0	27.3	6.7	20.0	54
1725.500000	35.3	200.0	V	111.0	26.9	8.4	18.7	54
2060.000000	37.4	200.0	H	102.0	27.4	10.0	16.6	54
2907.500000	40.0	200.0	V	209.0	27.3	12.7	14.0	54
2588.000000	39.1	200.0	V	300.0	26.8	12.3	14.9	54

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

802.11n (HT20) CH1

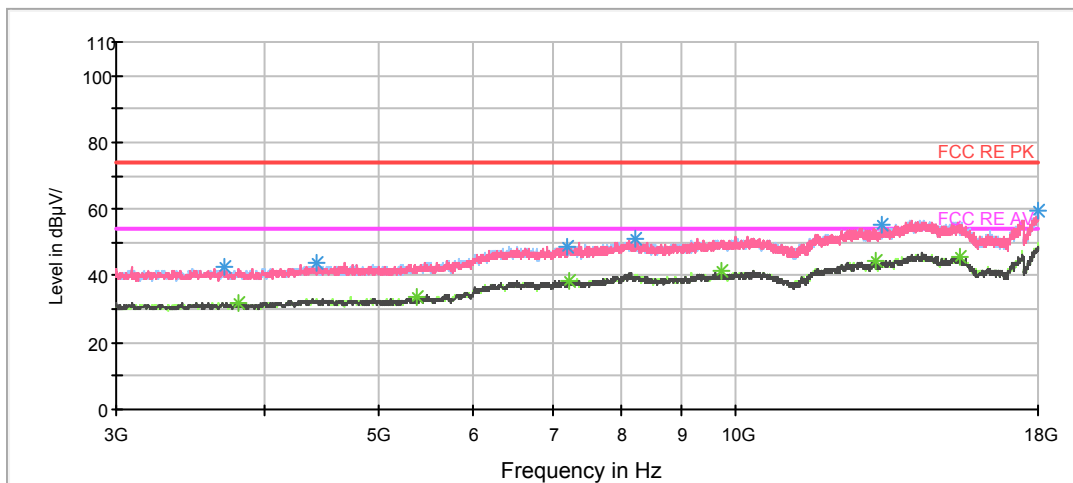
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1194.500000	43.6	100.0	H	1.0	37.9	5.7	30.4	74
1420.500000	44.9	200.0	V	84.0	38.1	6.8	29.1	74
1487.500000	46.1	100.0	H	24.0	39.3	6.8	27.9	74
2070.500000	48.1	200.0	H	141.0	37.9	10.2	25.9	74
2784.500000	51.4	100.0	V	0.0	38.7	12.7	22.6	74
2580.000000	50.3	200.0	V	130.0	37.9	12.4	23.7	74

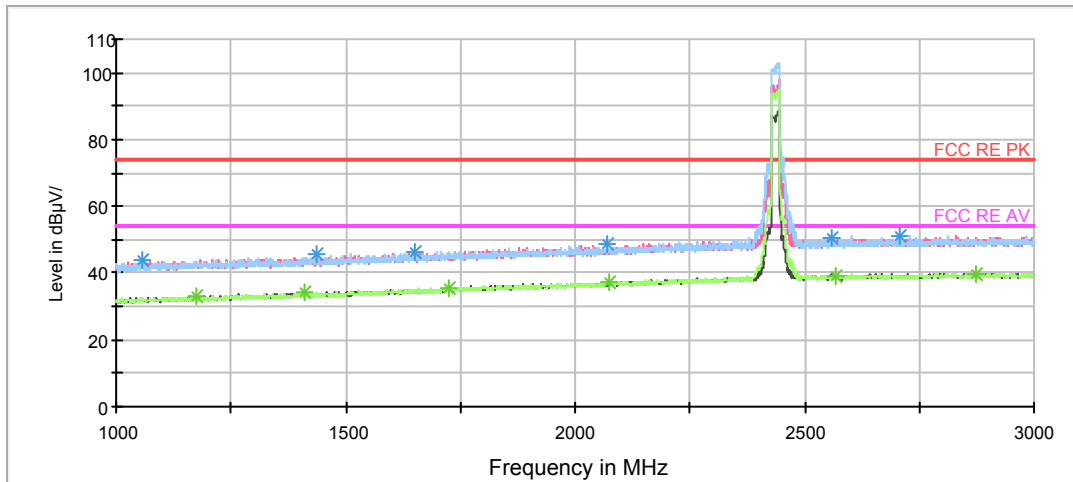
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1190.000000	32.9	200.0	V	6.0	27.2	5.7	21.1	54
1436.000000	33.9	100.0	H	11.0	27.1	6.8	20.1	54
1726.000000	35.5	100.0	V	199.0	27.1	8.4	18.5	54
2072.000000	37.0	100.0	H	0.0	26.8	10.2	17.0	54
2964.000000	39.9	100.0	H	129.0	27.2	12.7	14.1	54
2576.000000	39.2	100.0	V	0.0	26.8	12.4	14.8	54

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

802.11n (HT20) CH6

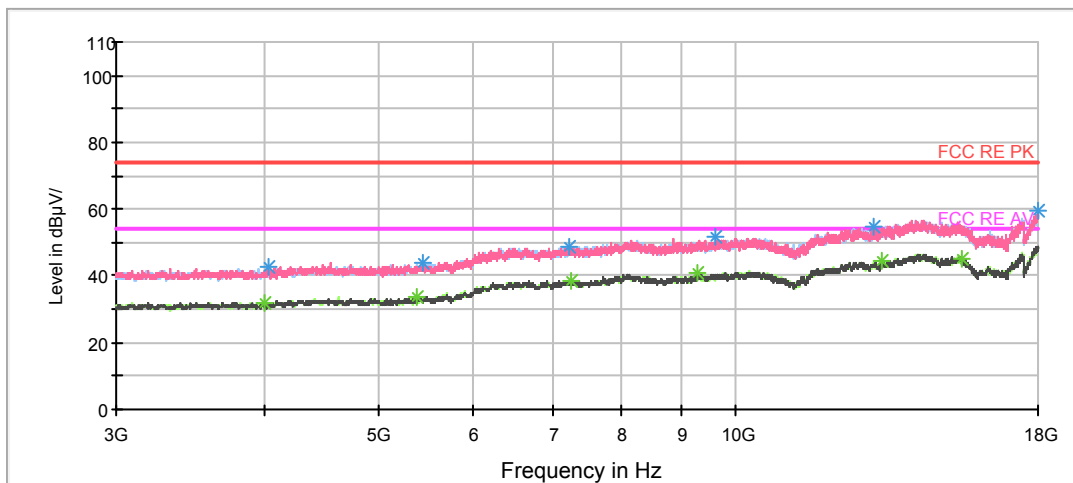
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1056.500000	43.8	100.0	V	308.0	38.6	5.2	30.2	74
1434.500000	45.6	100.0	H	119.0	38.8	6.8	28.4	74
1650.000000	46.3	100.0	V	255.0	38.5	7.8	27.7	74
2071.000000	48.7	200.0	V	3.0	38.5	10.2	25.3	74
2706.000000	51.1	200.0	H	0.0	38.7	12.4	22.9	74
2557.000000	50.6	100.0	H	119.0	38.2	12.4	23.4	74

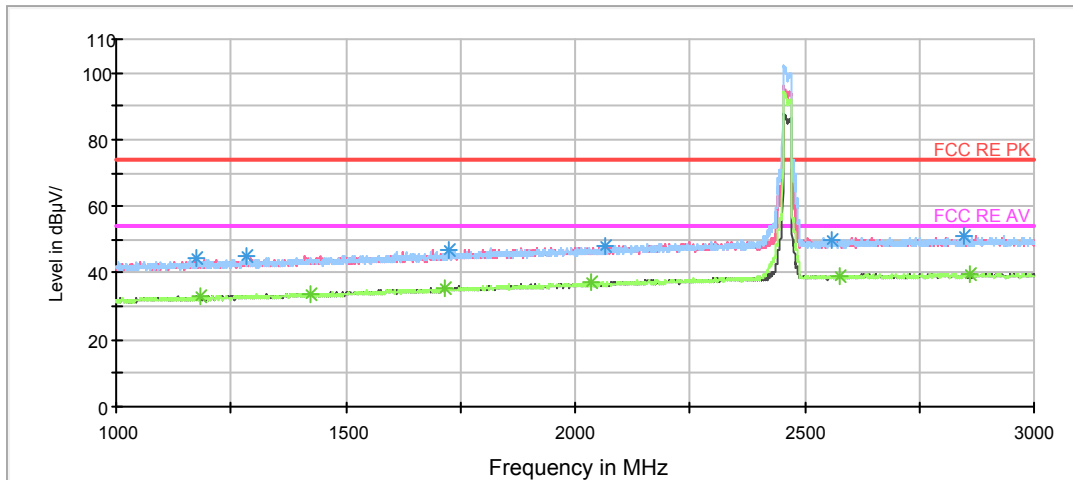
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1176.500000	32.9	100.0	V	194.0	27.3	5.6	21.1	54
1412.500000	34.1	100.0	H	12.0	27.4	6.7	19.9	54
1723.500000	35.4	200.0	H	356.0	27.0	8.4	18.6	54
2072.500000	37.1	100.0	H	199.0	26.9	10.2	16.9	54
2875.000000	39.9	200.0	H	337.0	27.1	12.8	14.1	54
2567.500000	39.3	100.0	H	172.0	27.0	12.3	14.7	54

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

802.11n (HT20) CH11

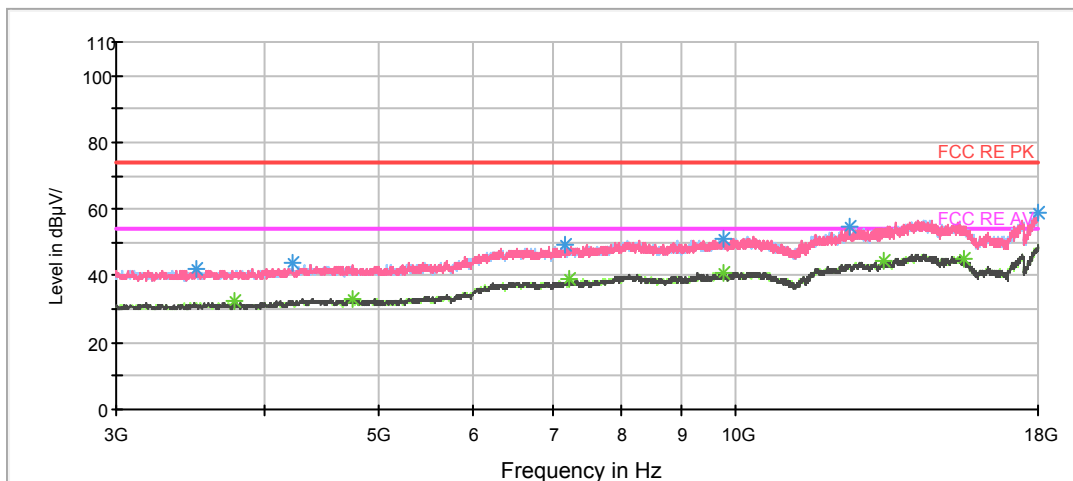
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1175.000000	44.3	100.0	V	283.0	38.6	5.7	29.7	74
1283.500000	45.2	200.0	H	348.0	39.1	6.1	28.8	74
1723.500000	47.2	200.0	V	84.0	38.8	8.4	26.8	74
2065.000000	47.9	200.0	V	101.0	37.8	10.1	26.1	74
2847.500000	50.9	100.0	H	13.0	38.2	12.7	23.1	74
2560.000000	49.9	200.0	H	308.0	37.5	12.4	24.1	74

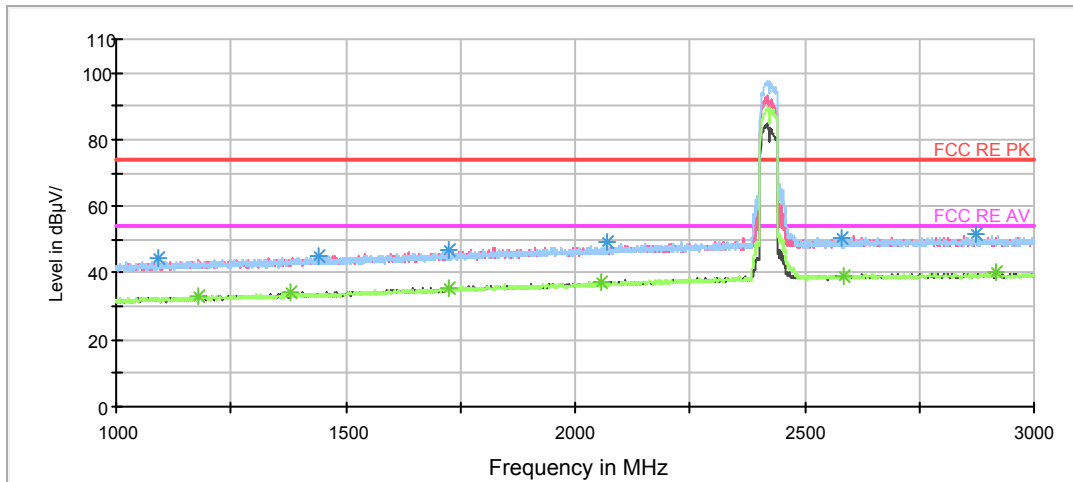
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1182.500000	33.0	100.0	H	96.0	27.3	5.7	21.0	54
1424.000000	33.9	100.0	H	45.0	27.1	6.8	20.1	54
1714.500000	35.4	100.0	H	8.0	27.1	8.3	18.6	54
2036.000000	37.2	200.0	V	58.0	27.3	9.9	16.8	54
2858.500000	40.0	200.0	V	354.0	27.3	12.7	14.0	54
2576.000000	39.3	200.0	V	101.0	26.9	12.4	14.7	54

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

802.11n (HT40) CH3

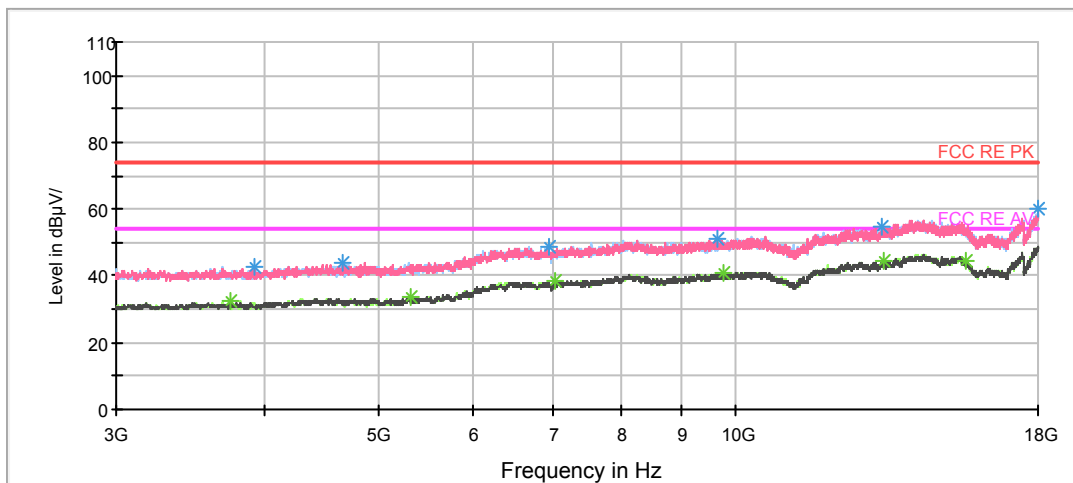
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1091.000000	44.3	200.0	H	213.0	39.1	5.2	29.7	74
1441.000000	44.8	100.0	V	147.0	38.0	6.8	29.2	74
1725.500000	46.7	200.0	H	0.0	38.3	8.4	27.3	74
2068.000000	49.4	200.0	H	248.0	39.2	10.2	24.6	74
2872.000000	51.5	200.0	H	88.0	38.7	12.8	22.5	74
2579.000000	50.4	100.0	V	325.0	38.0	12.4	23.6	74

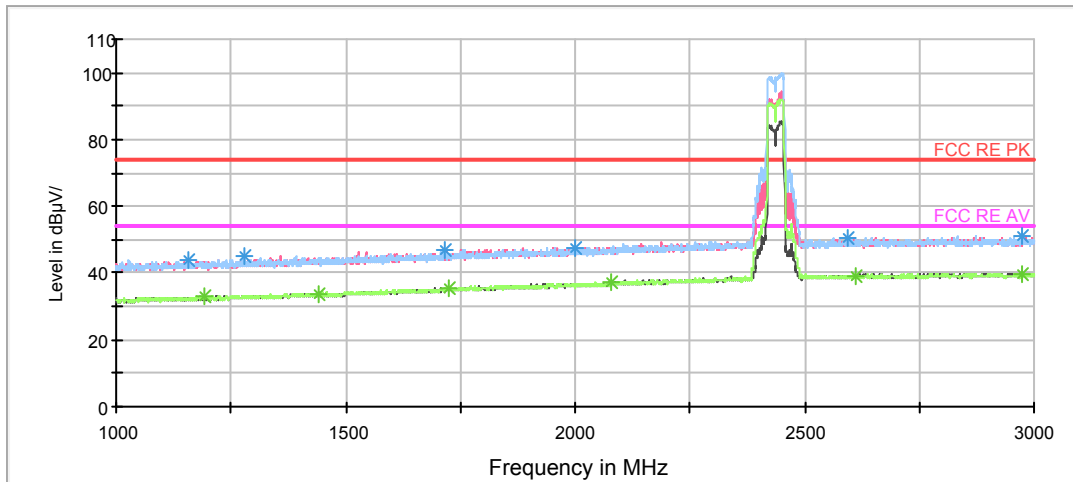
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1181.000000	33.0	200.0	H	0.0	27.3	5.7	21.0	54
1379.500000	34.0	100.0	H	57.0	27.5	6.5	20.0	54
1723.500000	35.6	100.0	V	165.0	27.2	8.4	18.4	54
2058.000000	37.3	100.0	H	4.0	27.3	10.0	16.7	54
2919.000000	40.2	200.0	H	355.0	27.3	12.9	13.8	54
2587.000000	39.2	100.0	V	348.0	26.9	12.3	14.8	54

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

802.11n (HT40) CH6

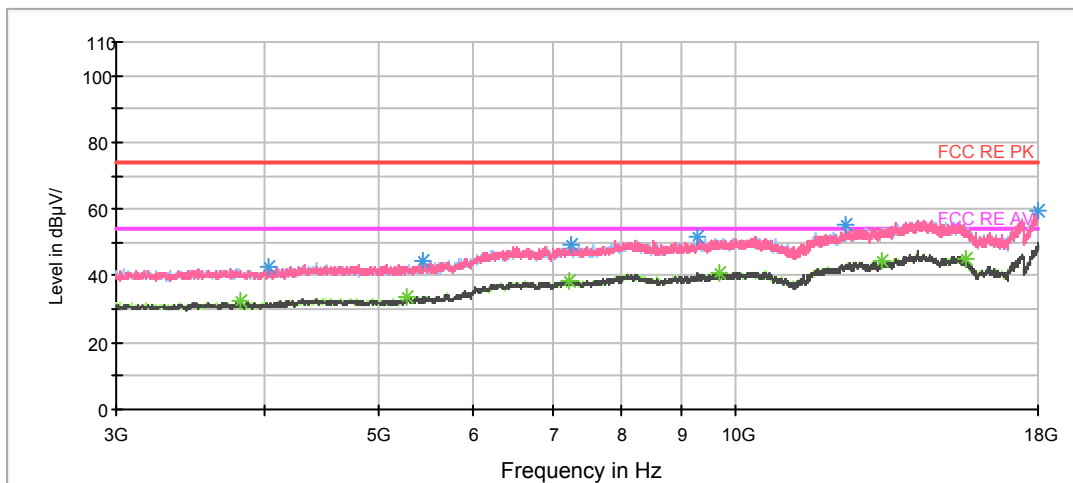
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1156.000000	43.7	100.0	H	114.0	38.3	5.4	30.3	74
1280.000000	44.9	200.0	H	98.0	38.7	6.2	29.1	74
1717.000000	47.0	100.0	H	68.0	38.7	8.3	27.0	74
2001.000000	47.7	100.0	H	2.0	38.1	9.6	26.3	74
2972.000000	51.4	200.0	V	78.0	38.7	12.7	22.6	74
2594.500000	50.2	200.0	H	0.0	37.9	12.3	23.8	74

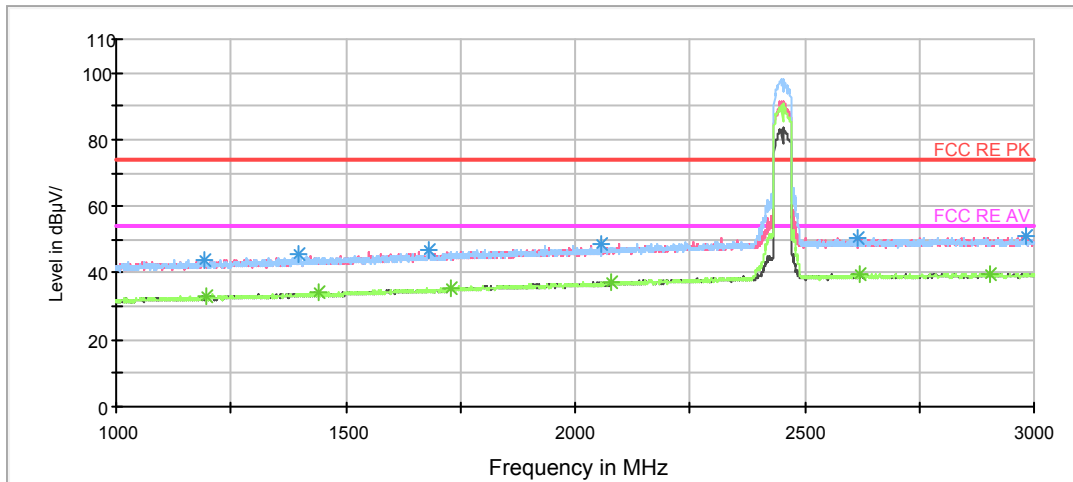
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1192.000000	32.9	200.0	H	241.0	27.2	5.7	21.1	54
1441.500000	34.0	100.0	V	321.0	27.2	6.8	20.0	54
1723.000000	35.5	200.0	H	134.0	27.1	8.4	18.5	54
2077.500000	37.2	100.0	V	251.0	27.1	10.1	16.8	54
2974.500000	39.9	100.0	H	175.0	27.1	12.8	14.1	54
2613.000000	39.4	100.0	V	207.0	27.2	12.2	14.6	54

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

802.11n (HT40) CH9

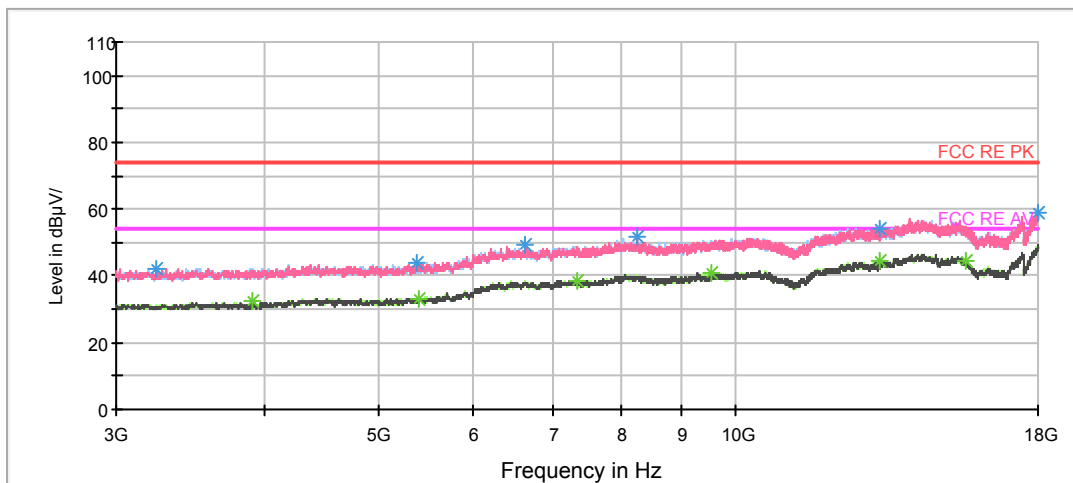
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1193.000000	43.7	100.0	H	109.0	38.0	5.7	30.3	74
1396.500000	45.6	100.0	H	264.0	39.1	6.5	28.4	74
1679.500000	46.6	100.0	H	14.0	38.5	8.1	27.4	74
2055.000000	48.9	200.0	V	166.0	38.9	10.0	25.1	74
2983.000000	50.9	100.0	V	209.0	38.1	12.8	23.1	74
2616.000000	50.2	200.0	V	3.0	37.9	12.3	23.8	74

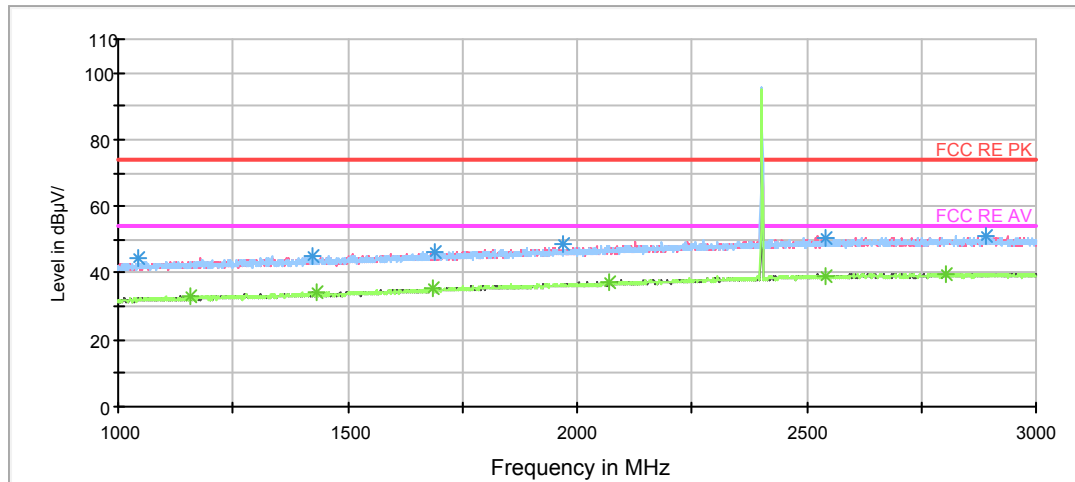
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1195.500000	33.0	200.0	H	348.0	27.3	5.7	21.0	54
1439.000000	34.2	100.0	V	0.0	27.4	6.8	19.8	54
1729.500000	35.4	200.0	V	246.0	27.1	8.3	18.6	54
2079.000000	37.2	100.0	V	0.0	27.0	10.2	16.8	54
2903.500000	39.9	200.0	V	11.0	27.2	12.7	14.1	54
2621.000000	39.5	100.0	V	253.0	27.0	12.5	14.5	54

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

BLE-Channel 0

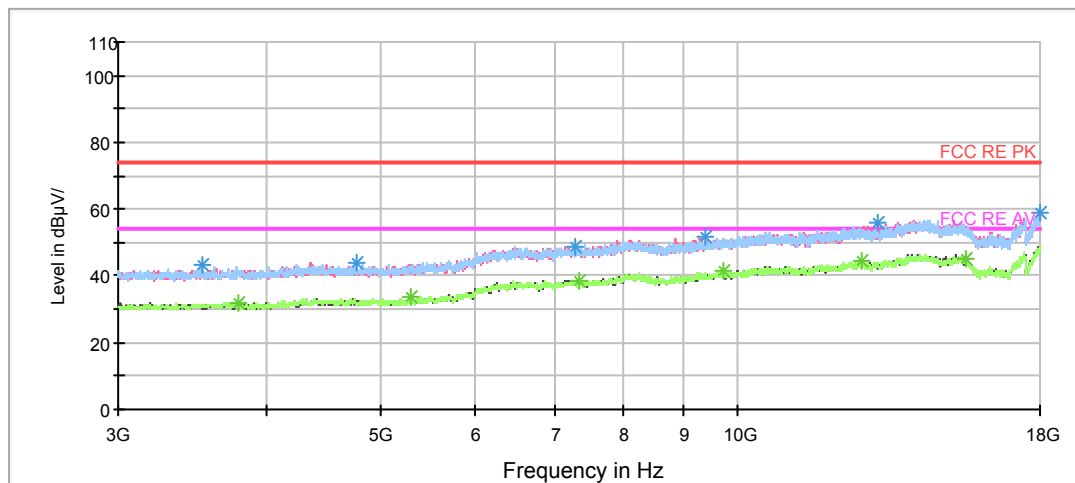
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1042.500000	44.7	200.0	H	337.0	39.6	5.1	29.3	74
1425.000000	45.1	200.0	H	350.0	38.3	6.8	28.9	74
1688.500000	46.5	100.0	V	348.0	38.3	8.2	27.5	74
1968.500000	48.6	200.0	V	8.0	39.0	9.6	25.4	74
2892.500000	51.0	200.0	H	113.0	38.4	12.6	23.0	74
2540.500000	50.5	200.0	V	3.0	38.0	12.5	23.5	74

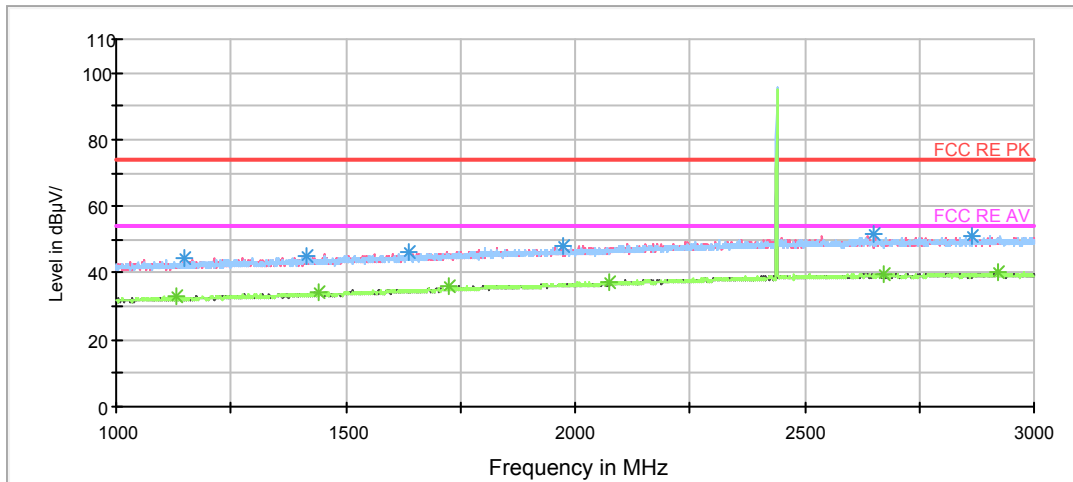
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1156.500000	33.1	200.0	V	27.0	27.7	5.4	20.9	54
1433.500000	34.0	100.0	H	203.0	27.2	6.8	20.0	54
1685.000000	35.5	100.0	H	141.0	27.4	8.1	18.5	54
2068.000000	37.2	100.0	V	235.0	27.0	10.2	16.8	54
2803.500000	39.9	200.0	H	211.0	27.3	12.6	14.1	54
2539.500000	39.3	200.0	H	259.0	26.9	12.4	14.7	54

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

BLE-Channel 19

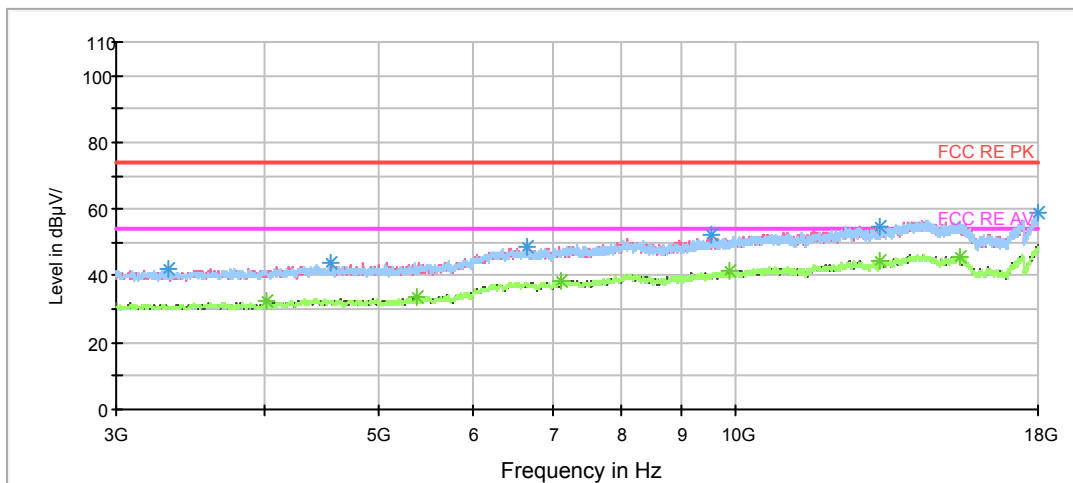
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1146.500000	44.6	100.0	V	327.0	39.2	5.4	29.4	74
1414.500000	44.9	200.0	V	113.0	38.2	6.7	29.1	74
1635.500000	46.2	200.0	V	320.0	38.3	7.9	27.8	74
1973.500000	48.0	100.0	H	210.0	38.5	9.5	26.0	74
2652.000000	51.5	100.0	H	42.0	39.1	12.4	22.5	74
2866.000000	50.9	200.0	H	106.0	38.3	12.6	23.1	74

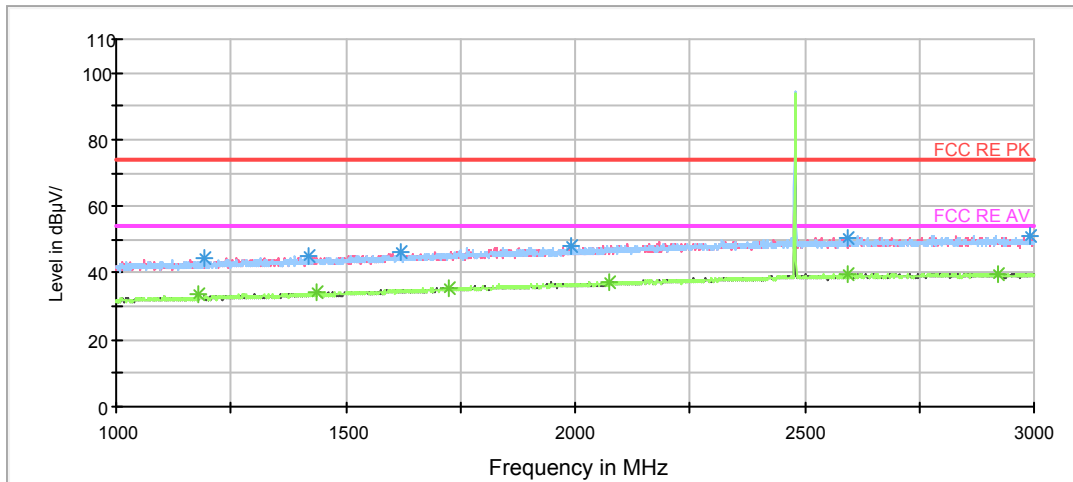
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1129.500000	33.1	100.0	H	6.0	27.7	5.4	20.9	54
1441.500000	34.0	100.0	H	4.0	27.2	6.8	20.0	54
1725.000000	36.0	200.0	V	246.0	27.5	8.5	18.0	54
2073.500000	37.3	100.0	V	204.0	27.2	10.1	16.7	54
2920.000000	40.2	200.0	H	343.0	27.3	12.9	13.8	54
2674.000000	39.5	200.0	V	12.0	27.3	12.2	14.5	54

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

BLE-Channel 39

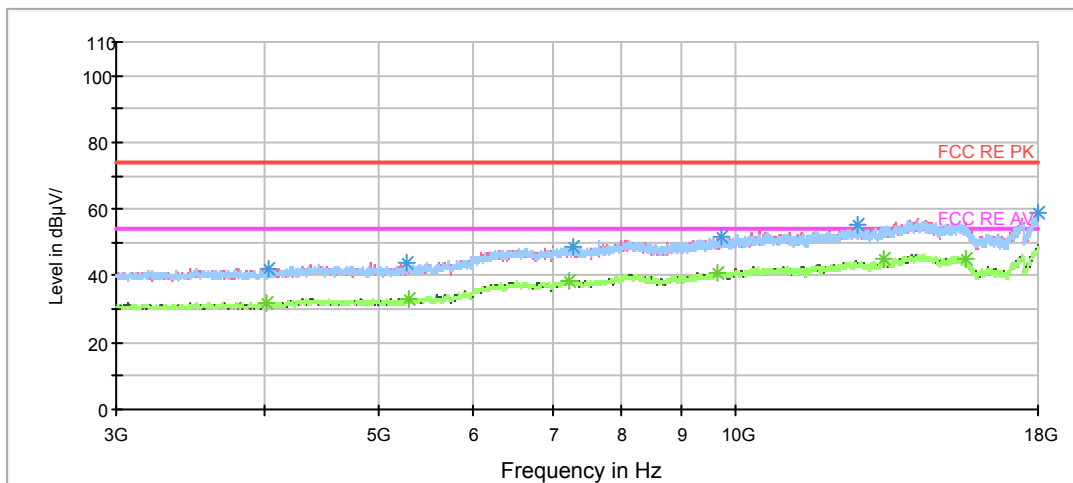
FCC RE 1G-3GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1192.000000	44.4	200.0	H	355.0	38.7	5.7	29.6	74
1418.500000	45.2	200.0	H	359.0	38.5	6.7	28.8	74
1618.500000	46.3	200.0	H	0.0	38.6	7.7	27.7	74
1992.500000	48.3	200.0	H	357.0	38.6	9.7	25.7	74
2991.000000	51.3	100.0	H	0.0	38.6	12.7	22.7	74
2593.500000	50.3	100.0	H	141.0	38.0	12.3	23.7	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)
1179.500000	33.6	200.0	H	0.0	28.0	5.6	20.4	54
1435.000000	34.2	100.0	H	70.0	27.4	6.8	19.8	54
1726.000000	35.4	100.0	H	202.0	27.0	8.4	18.6	54
2074.000000	37.4	200.0	V	164.0	27.3	10.1	16.6	54
2922.500000	40.0	100.0	V	123.0	27.2	12.8	14.0	54
2596.000000	39.5	200.0	V	32.0	27.2	12.3	14.5	54

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

4.2. Conducted Emission

Ambient condition

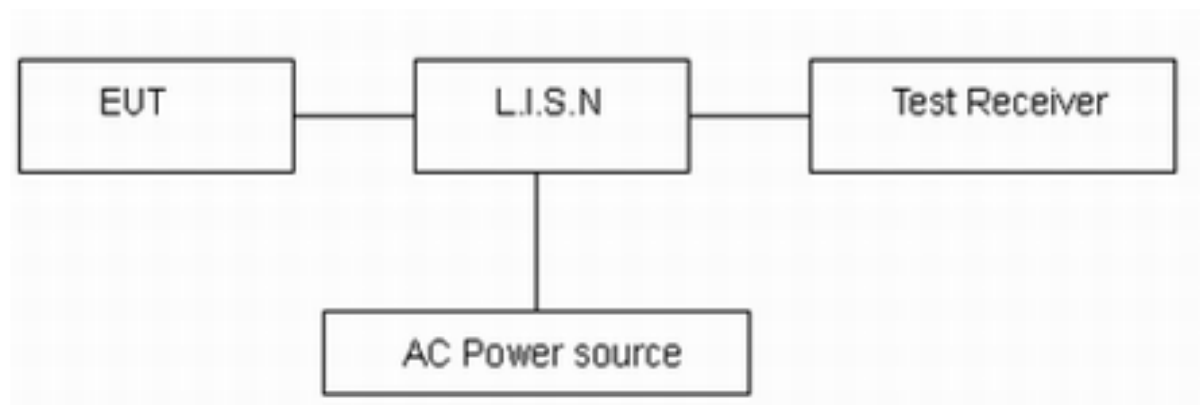
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

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 C63.10-2013. Connect the AC power line of the EUT to the L.I.S.N. Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9 kHz, 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

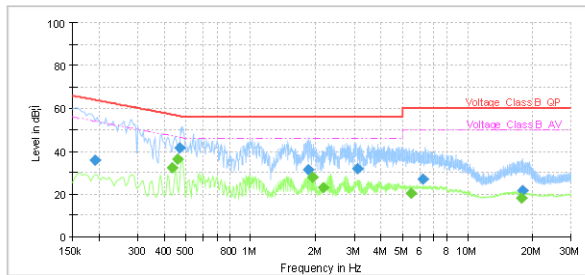
*: Decreases with the logarithm of the frequency.

Measurement Uncertainty

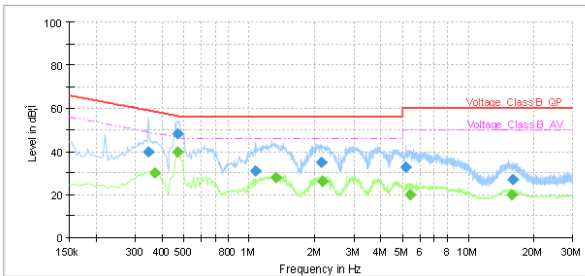
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U = 2.69$ dB.

**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 (WIFI 2.4G /BLE) with all channels, 802.11b, Channel 11 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

802.11b, Channel No.: 11**L Line**

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.190500	35.83	---	54.02	28.19	1000.0	9.000	L1	ON	19.2
0.430500	---	32.13	47.24	15.11	1000.0	9.000	L1	ON	19.2
0.459500	---	36.24	46.70	10.46	1000.0	9.000	L1	ON	19.2
0.469000	41.50	---	56.53	15.03	1000.0	9.000	L1	ON	19.2
1.845500	31.45	---	56.00	24.55	1000.0	9.000	L1	ON	19.2
1.928000	---	27.94	46.00	18.06	1000.0	9.000	L1	ON	19.2
2.159500	---	22.89	46.00	23.11	1000.0	9.000	L1	ON	19.1
3.108500	32.00	---	56.00	24.00	1000.0	9.000	L1	ON	19.1
5.464500	---	20.18	50.00	29.82	1000.0	9.000	L1	ON	19.1
6.191500	27.09	---	60.00	32.91	1000.0	9.000	L1	ON	19.1
17.771500	---	18.18	50.00	31.82	1000.0	9.000	L1	ON	19.6
17.896500	21.82	---	60.00	38.18	1000.0	9.000	L1	ON	19.6

N Line

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.345500	39.68	---	59.07	19.39	1000.0	9.000	N	ON	19.2
0.367000	---	30.19	48.57	18.38	1000.0	9.000	N	ON	19.2
0.470000	48.02	---	56.51	8.49	1000.0	9.000	N	ON	19.2
0.471000	---	39.95	46.50	6.55	1000.0	9.000	N	ON	19.2
1.065000	30.87	---	56.00	25.13	1000.0	9.000	N	ON	19.2
1.318000	---	27.89	46.00	18.11	1000.0	9.000	N	ON	19.2
2.143000	35.04	---	56.00	20.96	1000.0	9.000	N	ON	19.1
2.147000	---	25.97	46.00	20.03	1000.0	9.000	N	ON	19.1
5.173500	32.69	---	60.00	27.31	1000.0	9.000	N	ON	19.1
5.419000	---	20.01	50.00	29.99	1000.0	9.000	N	ON	19.1
15.809500	---	20.11	50.00	29.89	1000.0	9.000	N	ON	19.4
15.945500	26.87	---	60.00	33.13	1000.0	9.000	N	ON	19.4

5. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Spectrum Analyzer	R&S	FSV30	100815	2017-12-17	2018-12-16
EMI Test Receiver	R&S	ESCI	100948	2018-05-20	2019-05-19
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-201	2017-11-18	2020-11-17
Double Ridged Waveguide Horn Antenna	R&S	HF907	100126	2014-12-06	2019-12-05
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2017-11-18	2020-11-17
Standard Gain Horn	ETS-Lindgren	3160-09	00102644	2015-01-30	2020-01-29
EMI Test Receiver	R&S	ESR	101667	2017-09-06	2018-09-05
LISN	R&S	ENV216	101171	2016-12-16	2019-12-15
Spectrum Analyzer	Agilent	N9010A	MY47191109	2018-05-20	2019-05-19
Software	R&S	EMC32	9.26.0	/	/

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