



RF TEST REPORT

Applicant iRay Technology Co., Ltd.

FCC ID 2ACHK-01070189

Product Focus 43C Detector,
TRIMAX 43C Detector

Brand 

Model Focus 43C, TRIMAX 43C

Report No. R1912A0724-R1V1

Issue Date February 11, 2020

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

TA Technology (Shanghai) Co., Ltd.

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

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

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



TABLE OF CONTENT

1. Test Laboratory.....	5
1.1. Notes of the test report.....	5
1.2. Test facility.....	5
1.3. Testing Location.....	5
2. General Description of Equipment under Test.....	6
3. Applied Standards.....	7
4. Test Configuration.....	8
5. Test Case Results.....	9
5.1. Unwanted Emission.....	9
5.2. Conducted Emission.....	46
6. Main Test Instruments.....	51

Summary of measurement results

Number	Summary of measurements of results	Clause in FCC rules	Verdict
1	Maximum Average conducted output power	15.247(b)(3)	Refer to the module report: R1905A0235-R3
2	6 dB bandwidth	15.247(a)(2)	Refer to the module report: R1905A0235-R3
3	Power spectral density	15.247(e)	Refer to the module report: R1905A0235-R3
4	Band Edge	15.247(d)	Refer to the module report: R1905A0235-R3
5	Spurious RF Conducted Emissions	15.247(d)	Refer to the module report: R1905A0235-R3
6	Unwanted Emissions	15.247(d),15.205,15.209	PASS
7	Conducted Emissions	15.207	PASS
Date of Testing: July 3, 2019 ~ July 22, 2019 and December 13, 2019 ~ December 16, 2019			

Focus 43C, TRIMAX 43C (Report No.: R19012A0724-R1V1) is a variant model of Mars1417V-TSI (Report No.: R1907A0426-R1). Test values partial duplicated from Original for variant. There is only tested Unwanted Emissions (802.11n (HT20) CH6) for variant in this report. The detailed product change description please refers to the *2ACHK-01070189_FCC class II permissive change application letter 2*.

Test Case	Variant 1 Mars1417V-TSI (R1907A0426-R1)	Variant 2 Focus 43C, TRIMAX 43C (R19012A0724-R1V1)
Unwanted Emissions	Pass	Only tested with worst case of Variant 1 (802.11n (HT20) CH6)
Conducted Emissions	Pass	/

Note: This revised report (Report No.: R19012A0724-R1V1) supersedes and replaces the previously issued report (Report No.: R19012A0724-R1). Please discard or destroy the previously issued report and dispose of it accordingly.

Mars1417V-TSI (Report No.R1907A0426-R1) is a variant model of P-41(Report No. R1907A0346-R1V1).

Different	Original	Variant 1
model	P-41	Mars1417V-TSI
Product name	DIRECT DIGITIZER SKR 4000	Wireless Digital Flat Panel Detector
Charging port	3Pin	3Pin and 4Pin
Color	Black	White
Others	The same	The same
The difference between the two Configuration is only the Charging port and Color.		

The module WIFI-2-V897EA1 is a part of the EUT P-41. FCC ID duplicated from the module for the EUT.

Only Unwanted Emissions and Conducted Emissions were tested for P-41 (report No.: R1907A0346-R1V1). Other conducted test items refer to the WIFI-2-V897EA1 Module report (Report No. : R1905A0235-R3).

WIFI-2-V897EA1 (Report No.: R1905A0235-R3) is a variant model of WIFI-2-V897EA1 (Report No.: SHEM180400246701).Test values partial duplicated from Original for variant. There is tested Unwanted Emissions, Conducted Emissions and Other test items only test 802.11g CH1, 802.11n HT20 CH 1, 802.11n HT40 CH 3/9 for variant in this report. The detailed product change description please refers to the FCC class II permissive change application letter.

Data tested case see the table below.

Test Case	Original P-41 (R1907A0346-R1V1)	Variant 1 Mars1417V-TSI (R1907A0426-R1)
Maximum Average conducted output power	Refer to the module report: R1905A0235-R3	Refer to the module report: R1905A0235-R3
6 dB bandwidth	Refer to the module report: R1905A0235-R3	Refer to the module report: R1905A0235-R3
Power spectral density	Refer to the module report: R1905A0235-R3	Refer to the module report: R1905A0235-R3
Band Edge	Refer to the module report: R1905A0235-R3	Refer to the module report: R1905A0235-R3
Spurious RF Conducted Emissions	Refer to the module report: R1905A0235-R3	Refer to the module report: R1905A0235-R3
Unwanted Emissions	Pass	Refer to the Original report: R1907A0346-R1V1
Conducted Emissions	Pass	add test result of 4Pin



1. Test Laboratory

1.1. Notes of the test report

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

1.2. Test facility

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

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

A2LA (Certificate Number: 3857.01)

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

1.3. Testing Location

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

2. General Description of Equipment under Test

Client Information

Applicant	iRay Technology Co., Ltd.
Applicant address	RM 202, Building 7, No. 590, Ruiqing RD., Pudong, Shanghai, China
Manufacturer	Carestream Health, Inc.
Manufacturer address	150 Verona Street, Rochester, NY, USA 14608

General information

EUT Description	
Model:	Focus 43C, TRIMAX 43C
SN:	FC36F010T1106190004
Hardware Version:	V2.2
Software Version:	ARM:Core:1.10 Kernel:1.19 FPGA microblaze:2.25 FPGA main:1.10 MCU:1.0 SDK:4.0
Power Supply:	Battery /AC adapter
Antenna Type:	Coupling type (LDS)
Antenna Connector:	A permanently attached antenna (meet with the standard FCC Part 15.203 requirement)
Antenna Gain:	1.80dBi
Directional Gain:	N/A
additional beamforming gain:	N/A
Test Mode:	802.11b 802.11g, 802.11n(HT20/HT40);
Modulation Type:	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
EUT Accessory	
Battery	Manufacturer: Carestream Health, Inc. Model: BATTERY-KV Ratings:10.8Vdc,4125mAh
Adapter	Manufacturer: Shenzhen Longxc Power Supply Co., LTD Model: LXCP61-024300
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:

Test standards

- **FCC CFR47 Part 15C (2018) Radio Frequency Devices**
- **ANSI C63.10 (2013)**
- **KDB 558074 D01 15.247 Meas Guidance v05r02**

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 loop antenna is vertical, the others are vertical and horizontal. 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		
	Antenna 1	Antenna 2	MIMO
802.11b	1 Mbps	1 Mbps	/
802.11g	6 Mbps	6 Mbps	/
802.11n HT20	MCS0	MCS0	MCS0
802.11n HT40	MCS0	MCS0	MCS0

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

Test Cases	Antenna 1	Antenna 2	MIMO
Radiates Emission	O	--	O
Conducted Emission	O	--	--
Note: "O": test all bands			

5. Test Case Results

5.1. 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 ANSI C63.10-2013.

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.

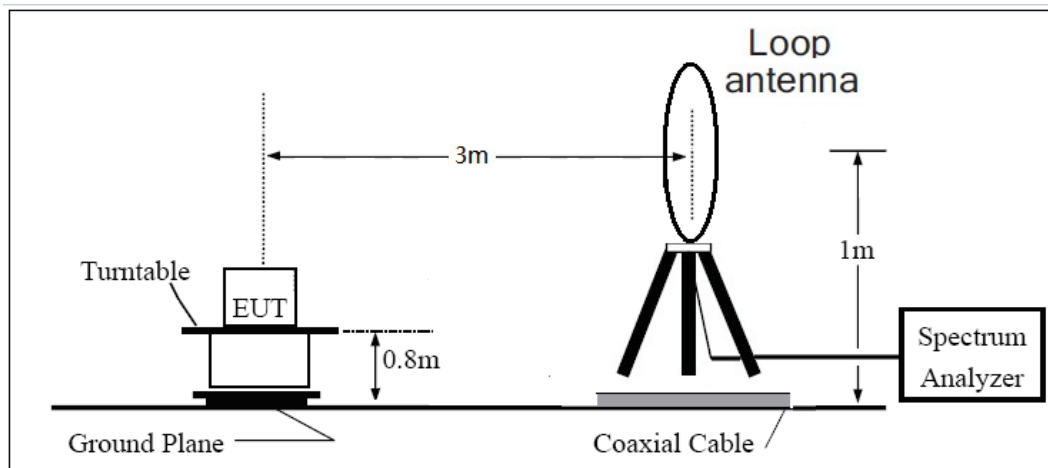
2) If linear voltage averaging mode was used in the preceding step e), then the correction factor is $[20 \log (1 / D)]$, where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB shall be added to the measured emission levels.

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.

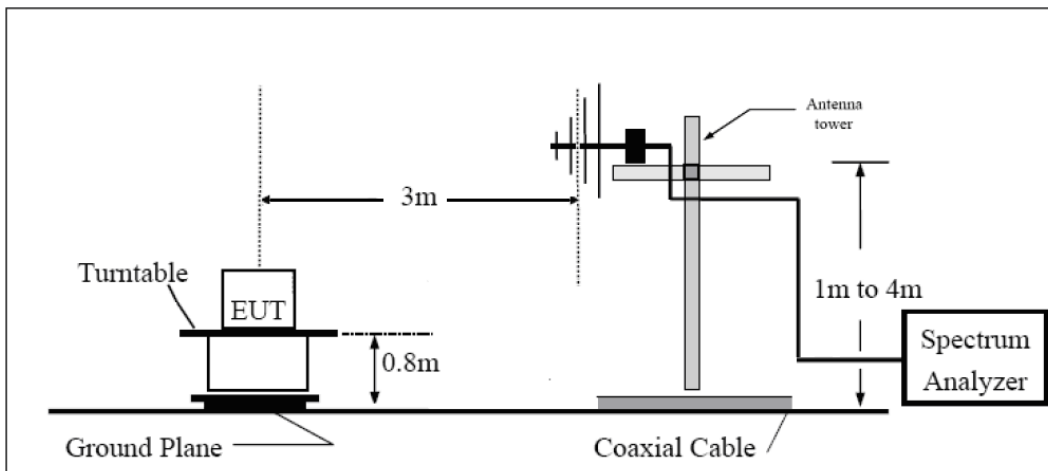
The test is in transmitting mode.

Test setup

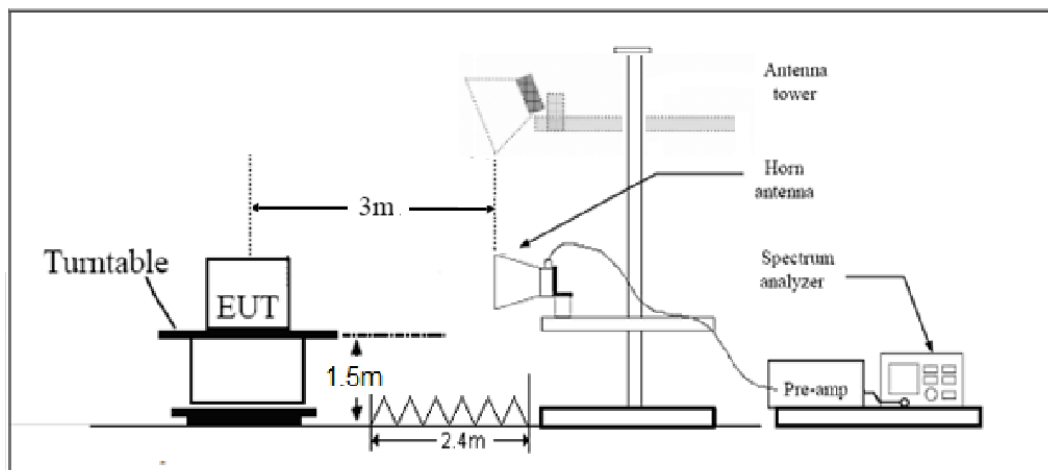
9KHz ~ 30MHz



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			

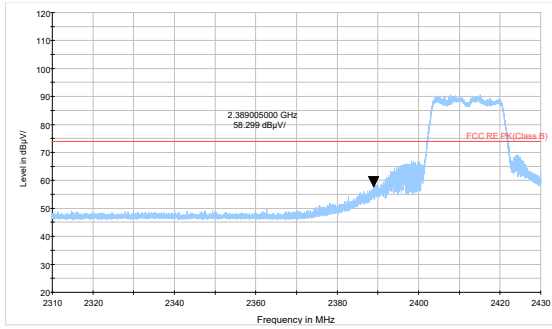
Measurement Uncertainty

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

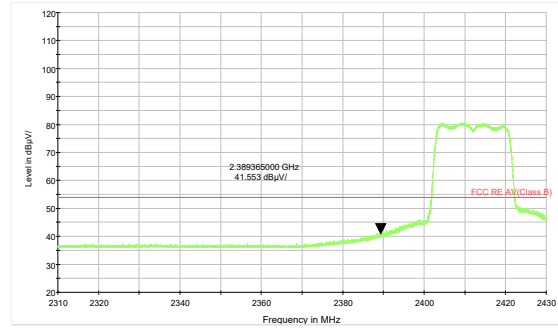
Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.02 dB
200MHz-1GHz	3.28 dB
1-18GHz	3.70 dB
18-26.5GHz	5.78 dB

Test Results:

Variant 2 (Focus 43C, TRIMAX 43C)

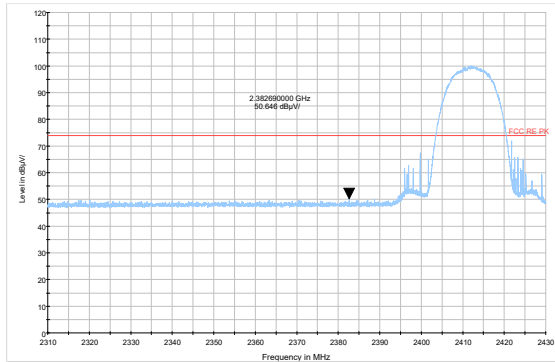


802.11n HT20 -Channel 6 Peak

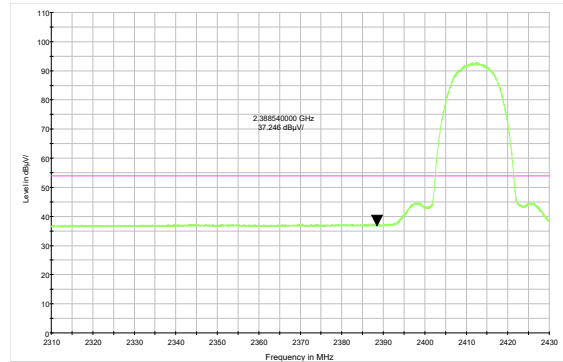


802.11n HT20 -Channel 6 Average

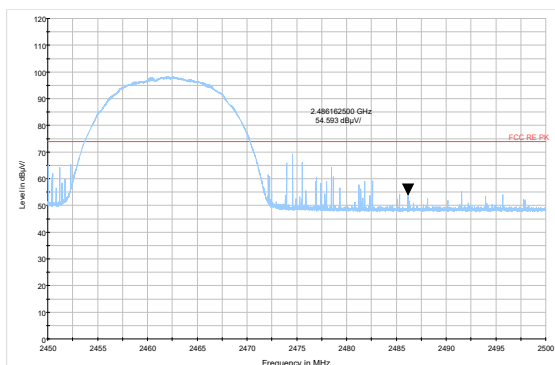
Original (P-41)



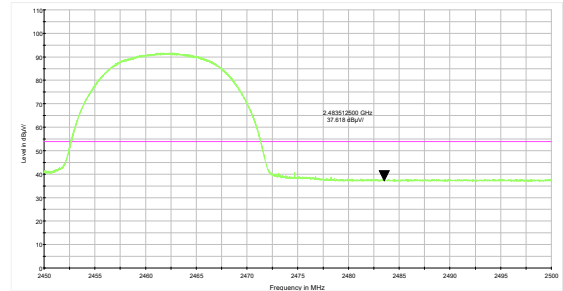
802.11b-Channel 1 Peak



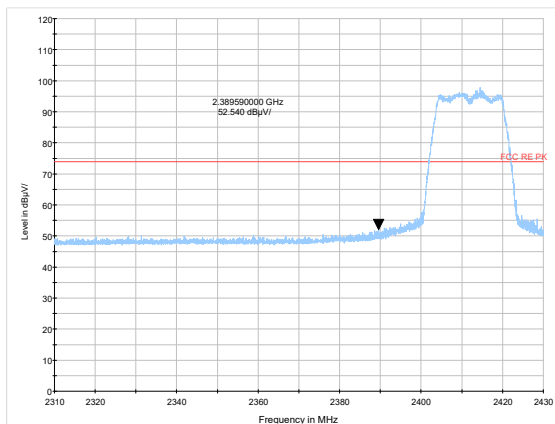
802.11b-Channel 1 Average



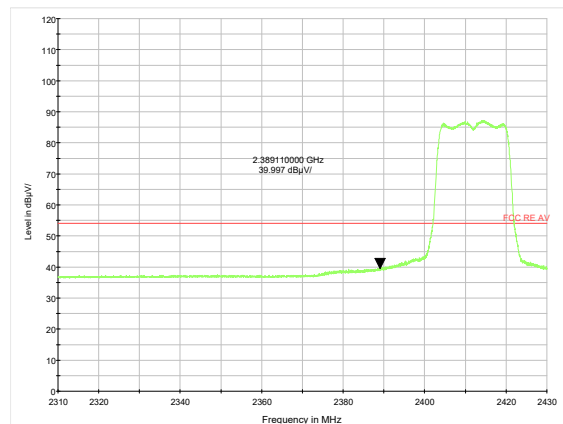
802.11b-Channel 11 Peak



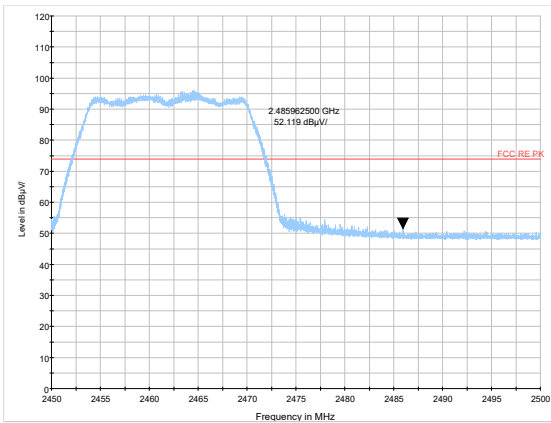
802.11b-Channel 11 Average



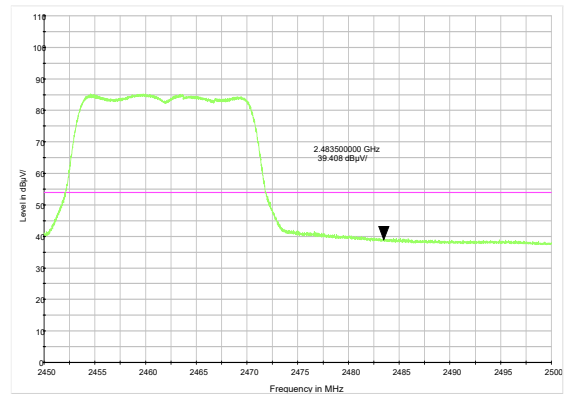
802.11g-Channel 1 Peak



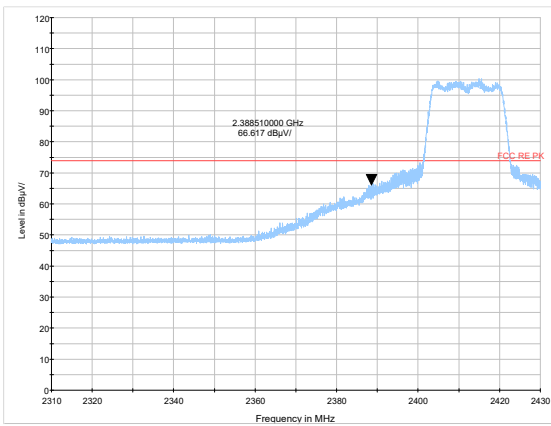
802.11g-Channel 1 Average



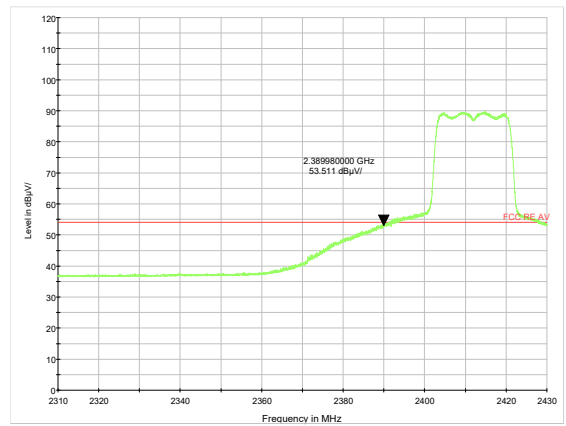
802.11g-Channel 11 Peak



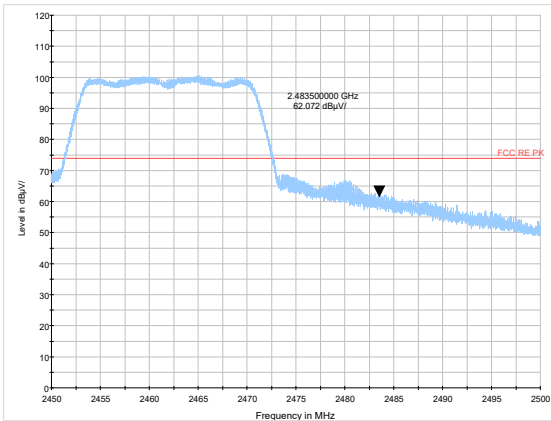
802.11g-Channel 11 Average



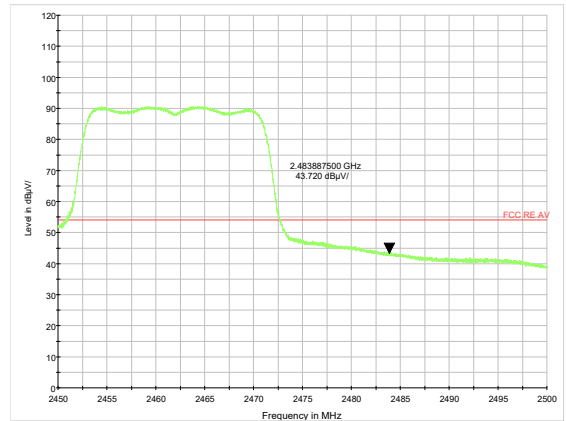
802.11n HT20 -Channel 1 Peak



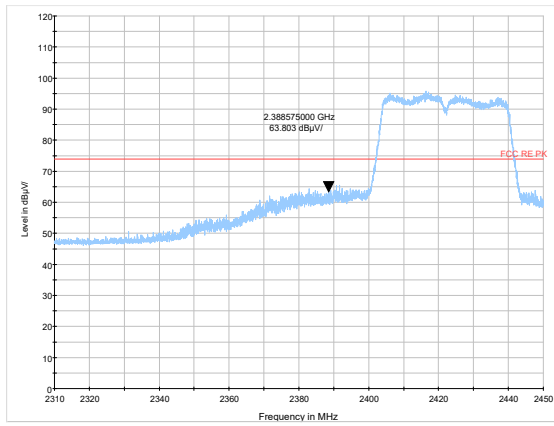
802.11n HT20 -Channel 1 Average



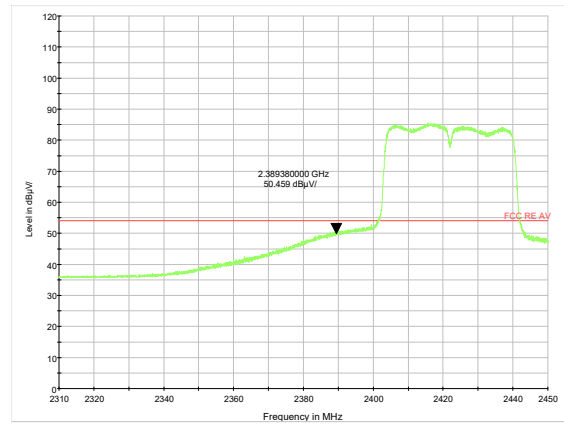
802.11n HT20 -Channel 11 Peak



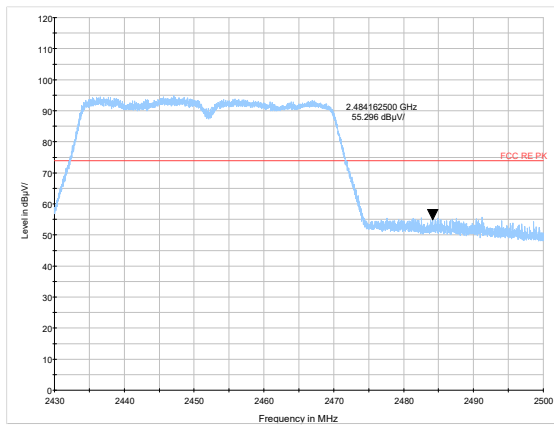
802.11n HT20 -Channel 11 Average



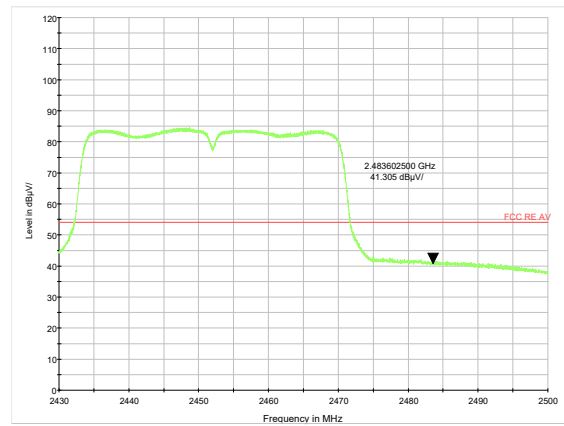
802.11n HT40 -Channel 3 Peak



802.11n HT40 -Channel 3 Average



802.11n HT40 -Channel 9 Peak



802.11n HT40 -Channel 9 Average

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.

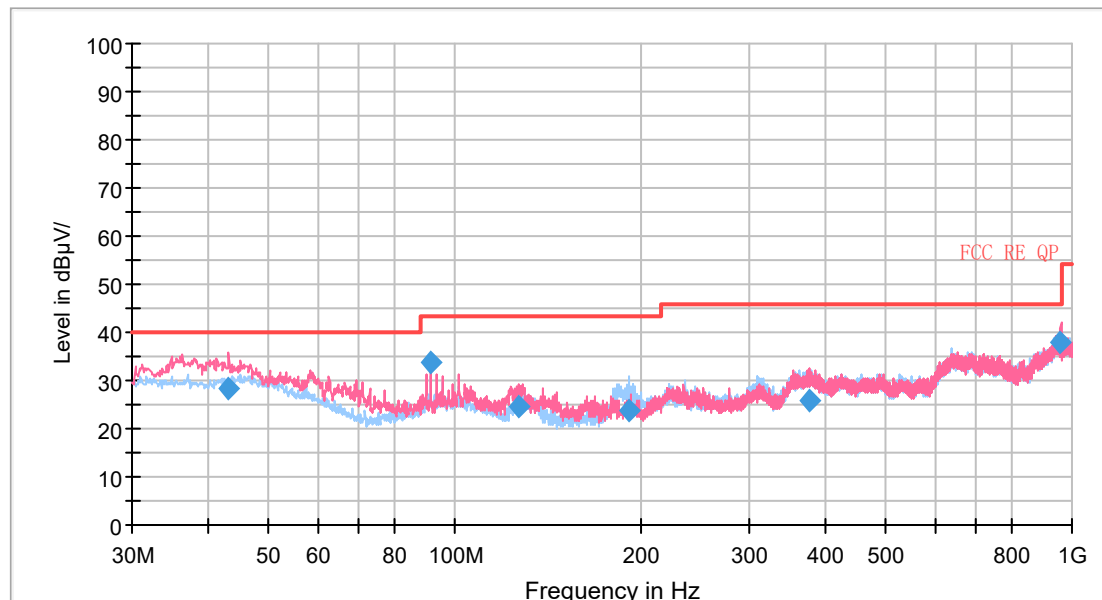
The following graphs display the maximum values of horizontal and vertical by software.
For above 1GHz, Blue trace uses the peak detection, Green trace uses the average detection.

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11n (HT20) CH6 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Continuous TX mode:

Variant 2 (Focus 43C, TRIMAX 43C)

802.11n (HT20) CH6

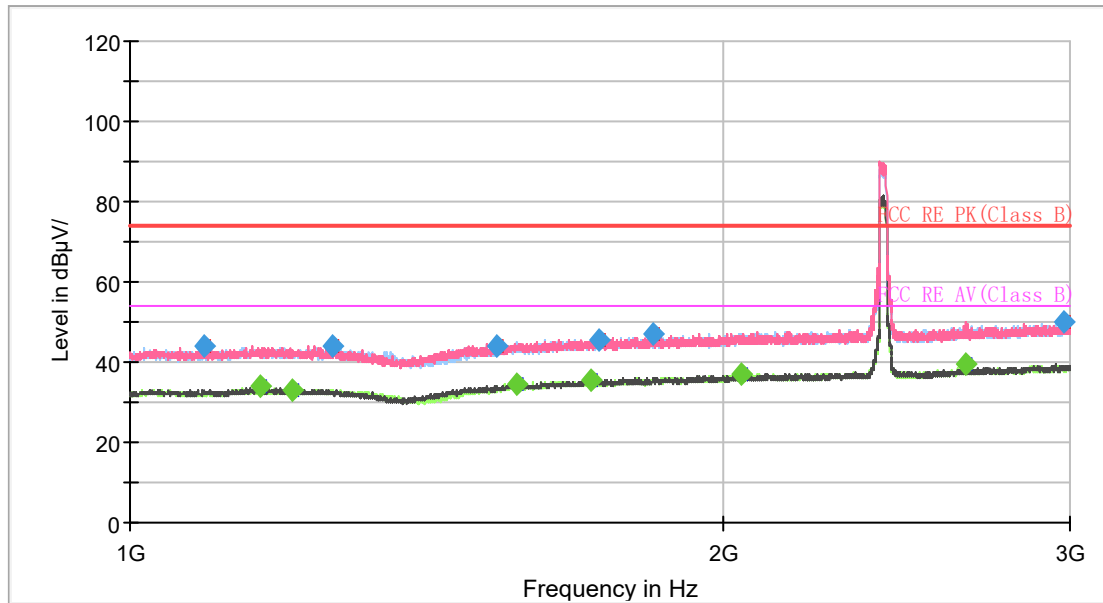


Radiates Emission from 30MHz to 1GHz

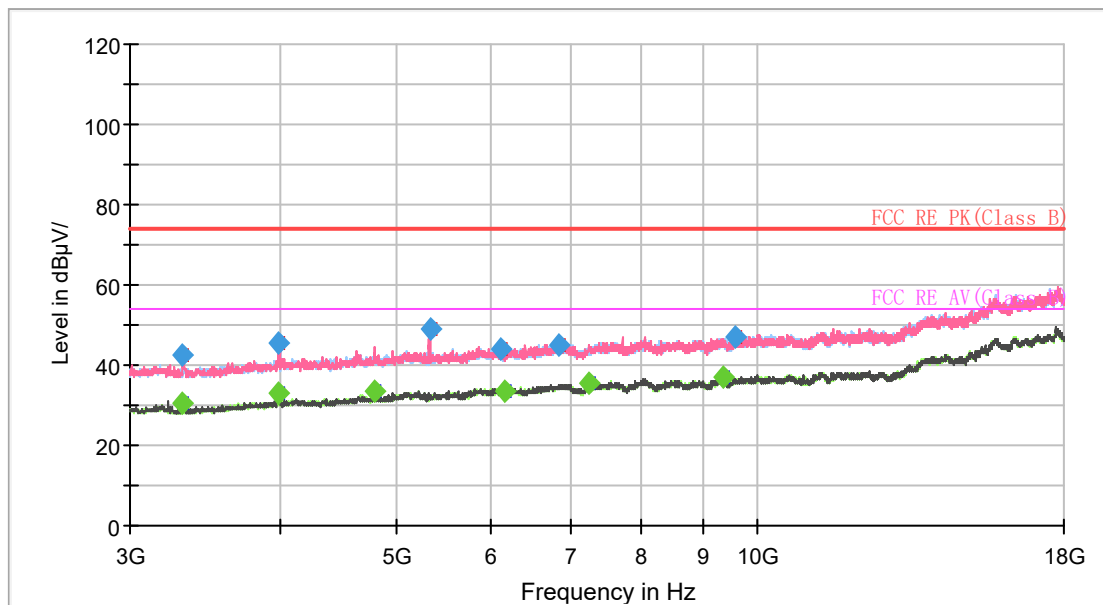
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
43.107263	28.40	100.0	V	60.0	3.1	11.60	40.00
91.404119	33.83	123.0	V	250.0	-3.3	9.67	43.50
127.203447	24.55	109.0	V	251.0	-7.0	18.95	43.50
192.190972	23.66	125.0	H	192.0	-4.5	19.84	43.50
375.016000	25.81	197.0	V	90.0	1.5	20.19	46.00
959.705500	37.95	100.0	V	319.0	8.7	8.05	46.00

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

2. Margin = Limit – Quasi-Peak



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



Radiates Emission from 3GHz to 18GHz

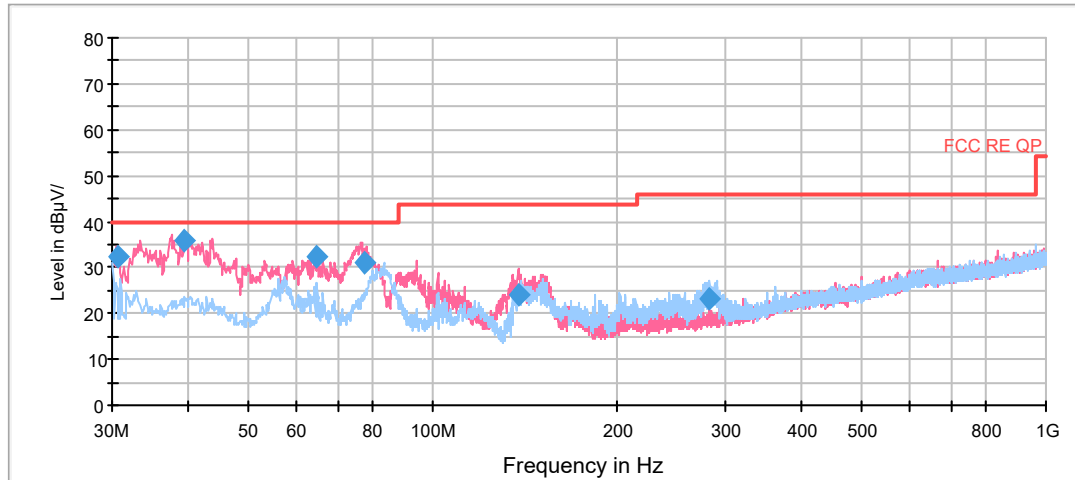


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1089.500000	43.93	---	74.00	30.07	200.0	200.0	H	208.0
1164.250000	---	33.87	54.00	20.13	200.0	200.0	V	253.0
1208.500000	---	33.23	54.00	20.77	200.0	200.0	H	232.0
1266.500000	43.99	---	74.00	30.01	200.0	200.0	H	215.0
1534.250000	43.96	---	74.00	30.04	200.0	100.0	H	163.0
1573.250000	---	34.67	54.00	19.33	200.0	200.0	V	109.0
1714.250000	---	35.44	54.00	18.56	200.0	100.0	V	264.0
1729.250000	45.54	---	74.00	28.46	200.0	100.0	V	247.0
1843.500000	47.17	---	74.00	26.83	200.0	100.0	H	93.0
2043.500000	---	37.20	54.00	16.80	200.0	100.0	H	206.0
2656.500000	---	39.35	54.00	14.65	200.0	100.0	V	308.0
2976.000000	50.11	---	74.00	23.89	200.0	200.0	H	34.0

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

Original (P-41)

RE 0.03-1GHz QP Class B



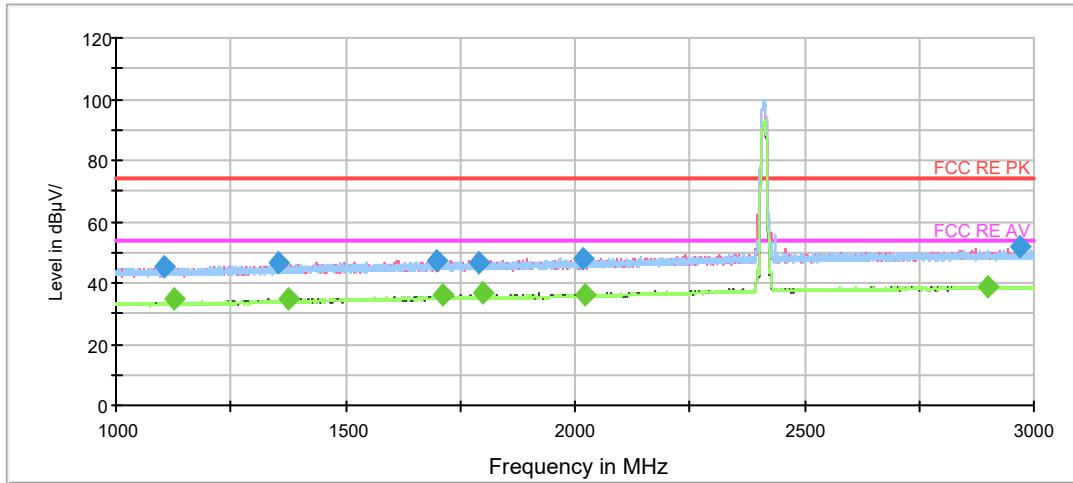
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.606250	32.1	100.0	V	37.0	14.5	7.9	40.0
39.457500	35.7	100.0	V	92.0	16.9	4.3	40.0
64.798750	32.5	100.0	V	79.0	11.9	7.5	40.0
77.160000	31.1	100.0	V	236.0	10.3	8.9	40.0
138.391250	24.2	100.0	V	300.0	9.7	19.3	43.5
282.440000	23.1	100.0	H	294.0	14.9	22.9	46.0

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

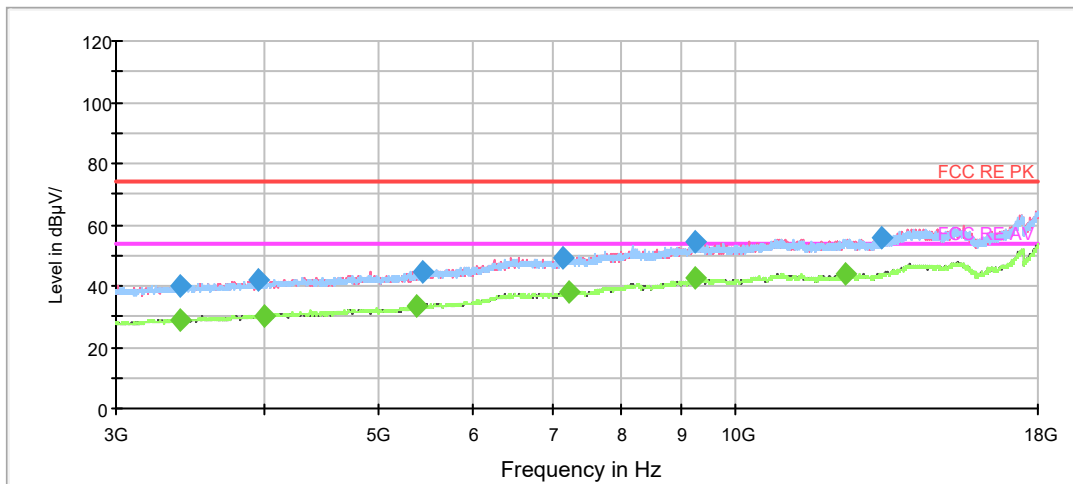
2. Margin = Limit – Quasi-Peak

802.11b CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

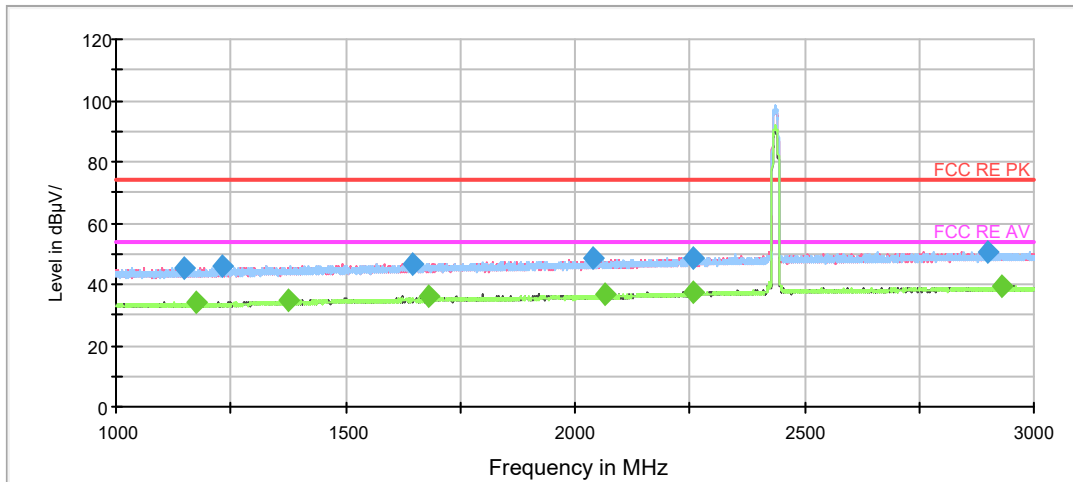
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1105.250000	45.4	200.0	V	32.0	-1.4	28.6	74.0
1351.750000	46.5	100.0	V	315.0	-0.9	27.5	74.0
1700.250000	47.5	200.0	V	11.0	0.4	26.5	74.0
1790.250000	46.6	100.0	H	194.0	0.6	27.4	74.0
2017.250000	48.0	200.0	V	98.0	1.2	26.0	74.0
2968.000000	52.0	200.0	H	293.0	4.7	22.0	74.0

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

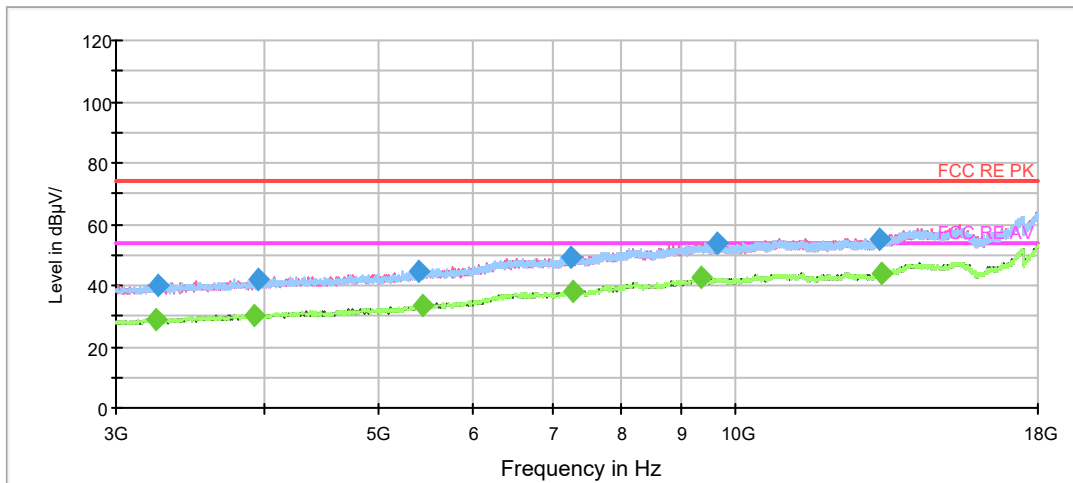
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1125.000000	34.6	100.0	H	176.0	-1.3	19.4	54.0
1375.000000	34.9	100.0	V	13.0	-0.8	19.1	54.0
1709.750000	36.0	200.0	V	98.0	0.4	18.0	54.0
1800.000000	36.9	100.0	V	356.0	0.6	17.1	54.0
2022.750000	36.0	200.0	H	252.0	1.2	18.0	54.0
2901.000000	39.0	100.0	V	64.0	4.5	15.0	54.0

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

802.11b CH6



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



Radiates Emission from 3GHz to 18GHz

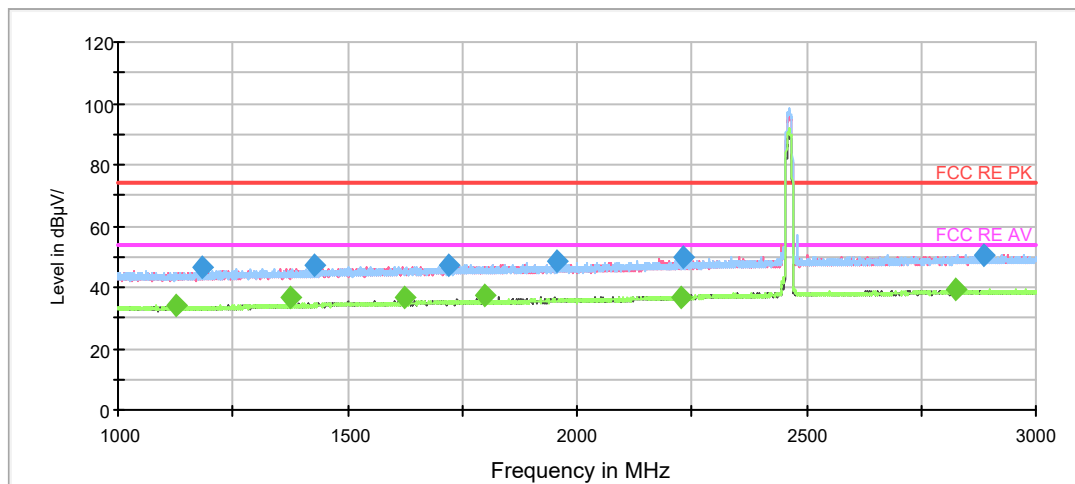
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1147.000000	45.5	200.0	H	201.0	-1.3	28.5	74.0
1231.250000	46.0	100.0	V	334.0	-1.2	28.0	74.0
1644.750000	46.7	200.0	H	284.0	0.2	27.3	74.0
2038.250000	48.3	100.0	V	0.0	1.3	25.7	74.0
2255.750000	48.3	100.0	V	349.0	2.5	25.7	74.0
2897.500000	50.7	100.0	V	278.0	4.5	23.3	74.0

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

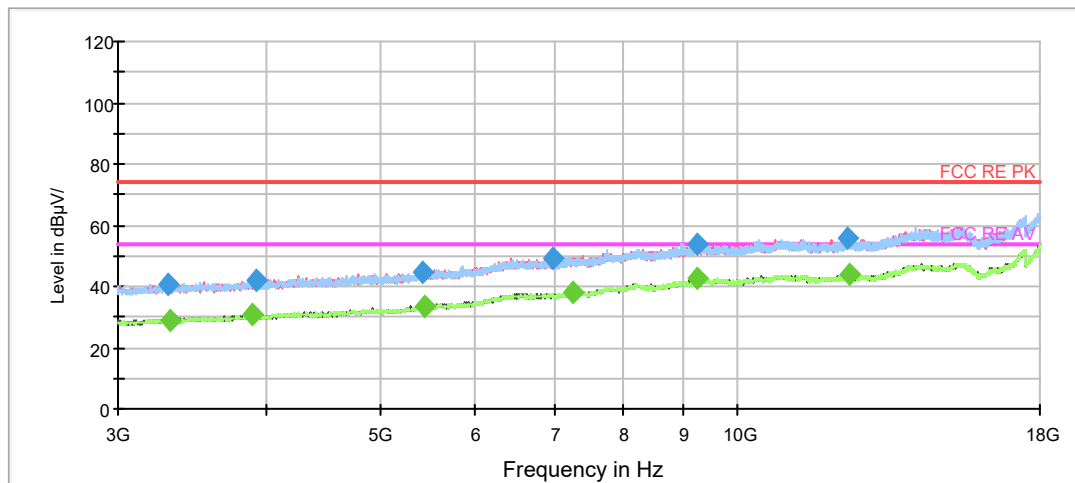
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1175.000000	33.9	100.0	V	229.0	-1.3	20.1	54.0
1375.000000	35.0	100.0	V	357.0	-0.8	19.0	54.0
1680.000000	36.1	200.0	V	6.0	0.3	17.9	54.0
2066.750000	36.8	200.0	V	3.0	1.5	17.2	54.0
2255.500000	37.3	200.0	V	0.0	2.5	16.7	54.0
2932.250000	39.1	200.0	V	1.0	4.6	14.9	54.0

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

802.11b CH11



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



Radiates Emission from 3GHz to 18GHz

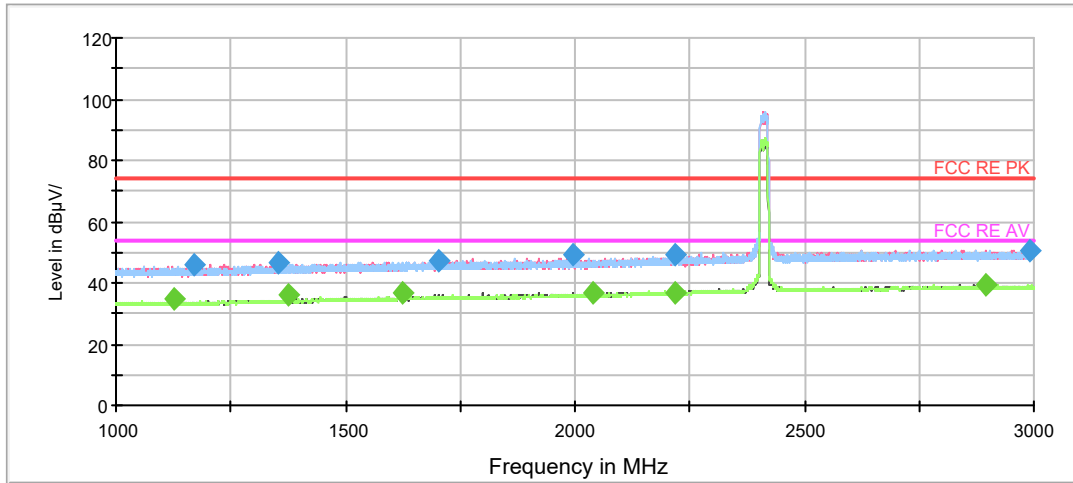
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1183.000000	46.4	200.0	V	116.0	-1.3	27.6	74.0
1429.250000	47.0	200.0	V	201.0	-0.6	27.0	74.0
1722.250000	47.1	100.0	V	269.0	0.4	26.9	74.0
1957.000000	48.3	200.0	V	11.0	1.0	25.7	74.0
2232.500000	49.6	200.0	V	15.0	2.4	24.4	74.0
2885.000000	50.8	200.0	V	133.0	4.5	23.2	74.0

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1124.750000	34.1	200.0	H	210.0	-1.3	19.9	54.0
1375.000000	36.5	100.0	V	357.0	-0.8	17.5	54.0
1624.750000	36.7	200.0	V	306.0	0.1	17.3	54.0
1799.750000	37.4	100.0	V	64.0	0.6	16.6	54.0
2227.500000	36.9	200.0	V	0.0	2.4	17.1	54.0
2826.750000	39.3	100.0	V	244.0	4.4	14.7	54.0

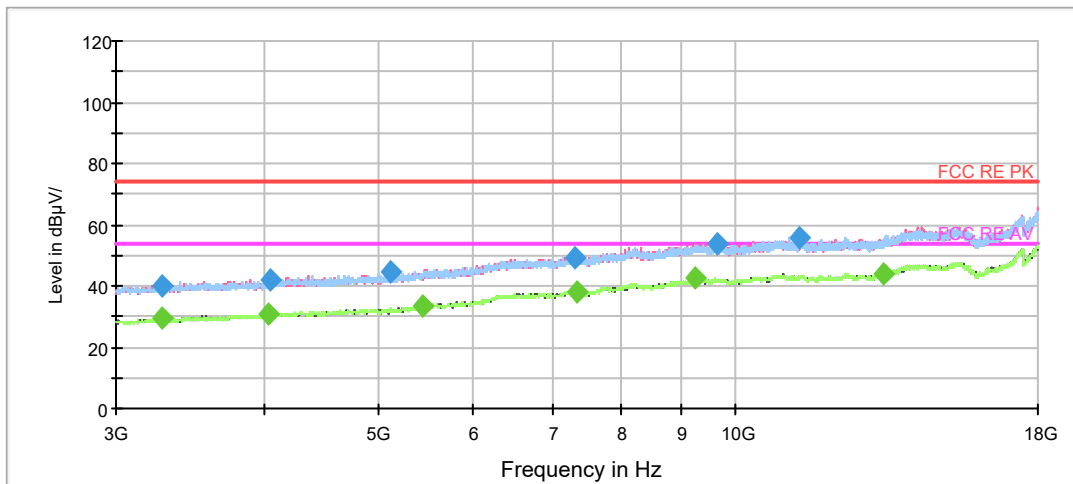
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11g CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

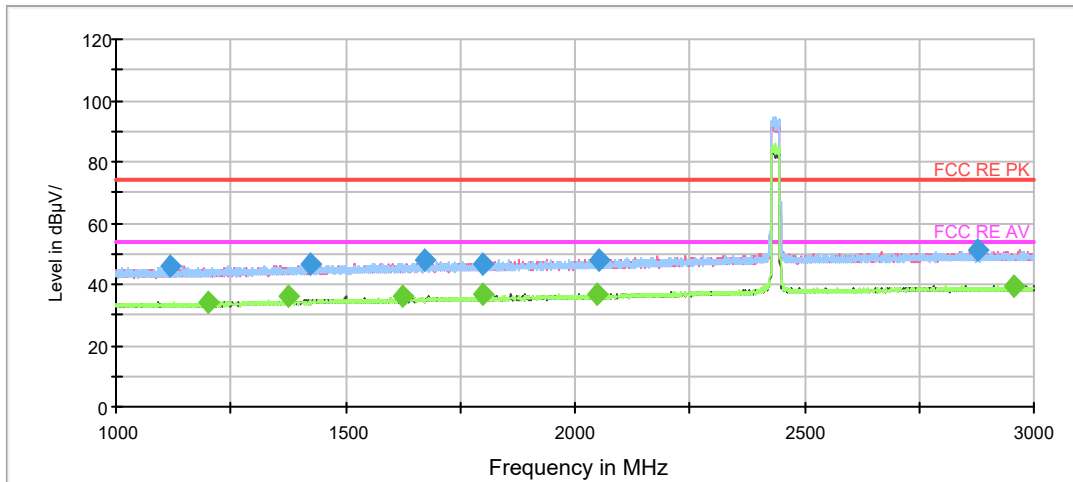
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1168.250000	45.9	200.0	H	309.0	-1.3	28.1	74.0
1353.500000	46.8	100.0	H	141.0	-0.9	27.2	74.0
1702.250000	46.9	100.0	H	0.0	0.4	27.1	74.0
1995.750000	49.2	200.0	H	176.0	1.1	24.8	74.0
2219.000000	49.4	200.0	V	30.0	2.3	24.6	74.0
2990.750000	50.6	100.0	H	3.0	4.8	23.4	74.0

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

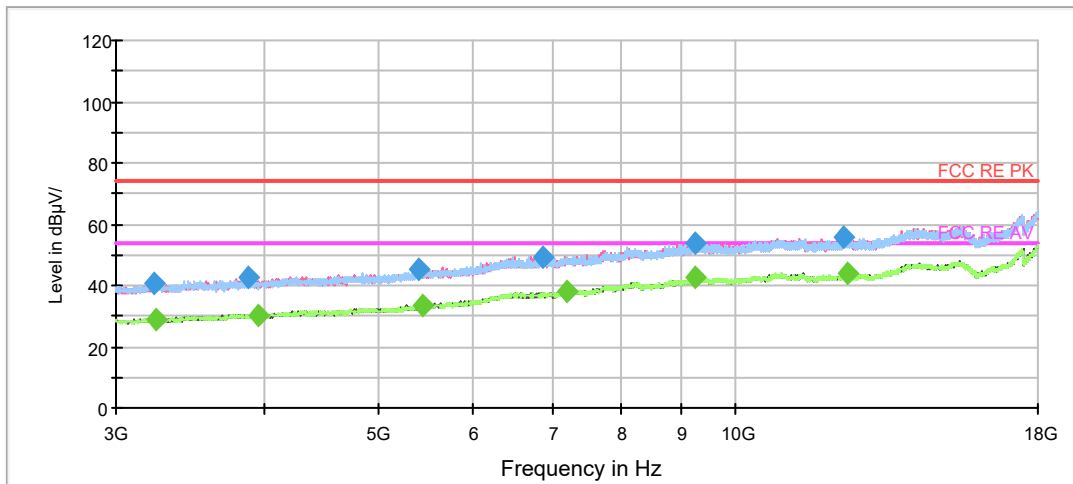
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1125.000000	34.4	200.0	H	354.0	-1.3	19.6	54.0
1375.000000	36.0	100.0	V	358.0	-0.8	18.0	54.0
1625.000000	36.6	200.0	V	214.0	0.1	17.4	54.0
2038.750000	36.9	100.0	V	210.0	1.3	17.1	54.0
2216.750000	36.8	100.0	H	278.0	2.3	17.2	54.0
2893.500000	39.2	200.0	H	12.0	4.5	14.8	54.0

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

802.11g CH6



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



Radiates Emission from 3GHz to 18GHz

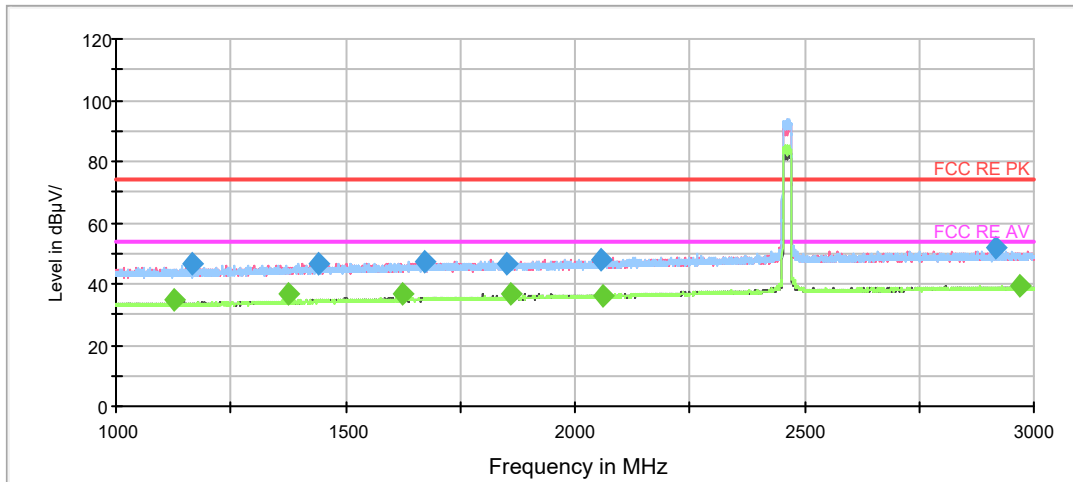
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1119.000000	46.1	200.0	V	0.0	-1.4	27.9	74.0
1424.750000	46.4	100.0	V	358.0	-0.6	27.6	74.0
1674.500000	47.6	200.0	V	167.0	0.3	26.4	74.0
1797.250000	46.7	100.0	H	134.0	0.6	27.3	74.0
2050.250000	48.0	100.0	V	116.0	1.4	26.0	74.0
2879.000000	51.1	200.0	H	141.0	4.5	22.9	74.0

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

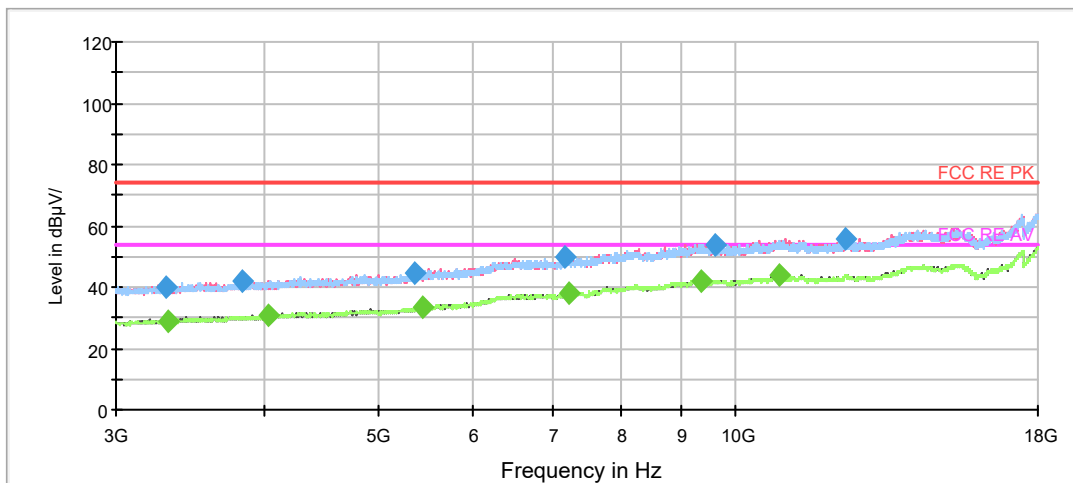
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1199.250000	33.8	200.0	V	0.0	-1.2	20.2	54.0
1375.000000	36.0	100.0	V	0.0	-0.8	18.0	54.0
1624.750000	36.2	200.0	V	307.0	0.1	17.8	54.0
1799.750000	37.0	100.0	V	228.0	0.6	17.0	54.0
2048.750000	36.6	100.0	H	28.0	1.4	17.4	54.0
2956.250000	39.3	100.0	V	348.0	4.7	14.7	54.0

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

802.11g CH11



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



Radiates Emission from 3GHz to 18GHz

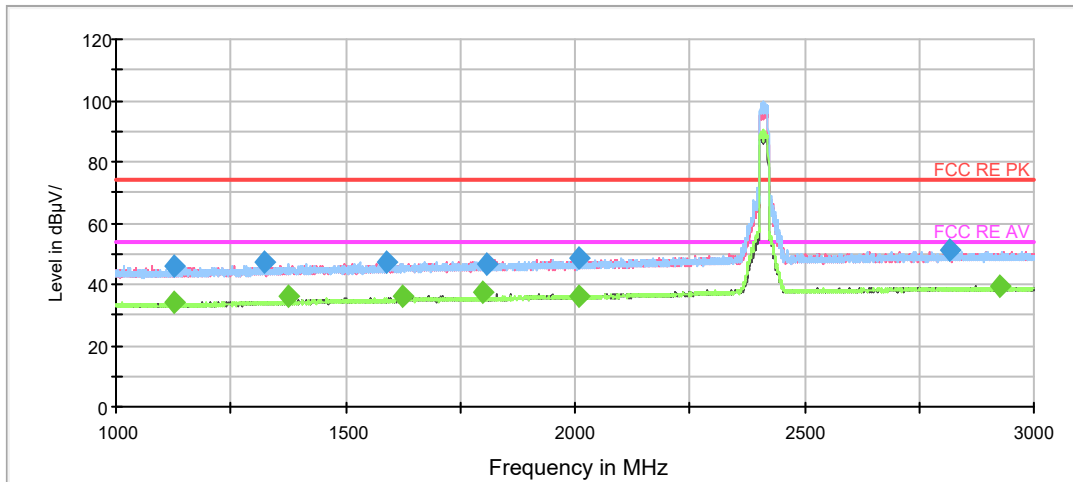
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1166.250000	46.6	200.0	H	159.0	-1.3	27.4	74.0
1439.000000	46.6	100.0	V	89.0	-0.6	27.4	74.0
1673.500000	47.5	100.0	V	301.0	0.3	26.5	74.0
1853.250000	46.6	200.0	V	50.0	0.8	27.4	74.0
2055.750000	48.1	200.0	H	317.0	1.4	25.9	74.0
2915.000000	51.5	100.0	V	284.0	4.5	22.5	74.0

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

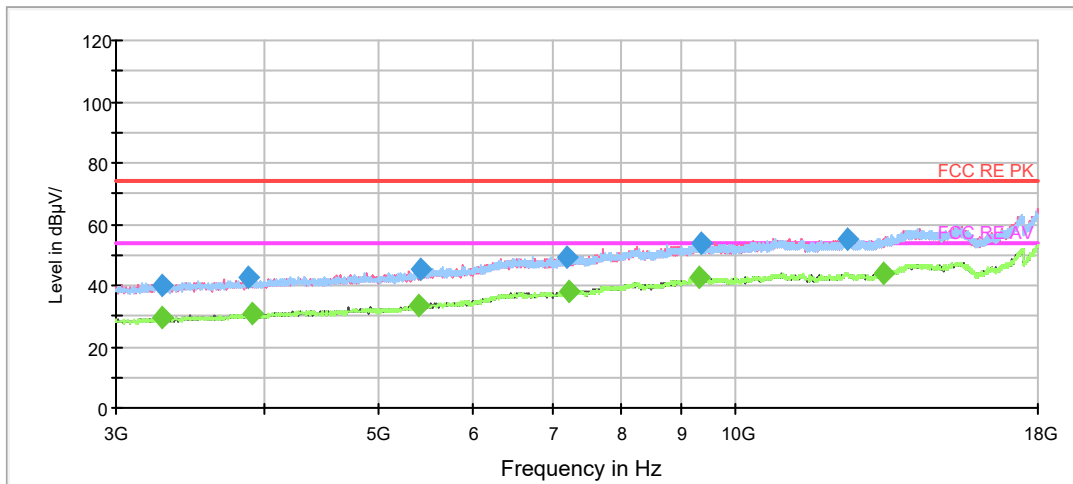
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1125.000000	34.6	200.0	H	218.0	-1.3	19.4	54.0
1375.000000	36.7	100.0	V	0.0	-0.8	17.3	54.0
1625.000000	36.6	100.0	V	325.0	0.1	17.4	54.0
1860.000000	36.9	100.0	V	62.0	0.8	17.1	54.0
2060.250000	36.0	100.0	V	301.0	1.4	18.0	54.0
2970.750000	39.1	200.0	V	100.0	4.7	14.9	54.0

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

802.11n (HT20) CH1



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



Radiates Emission from 3GHz to 18GHz

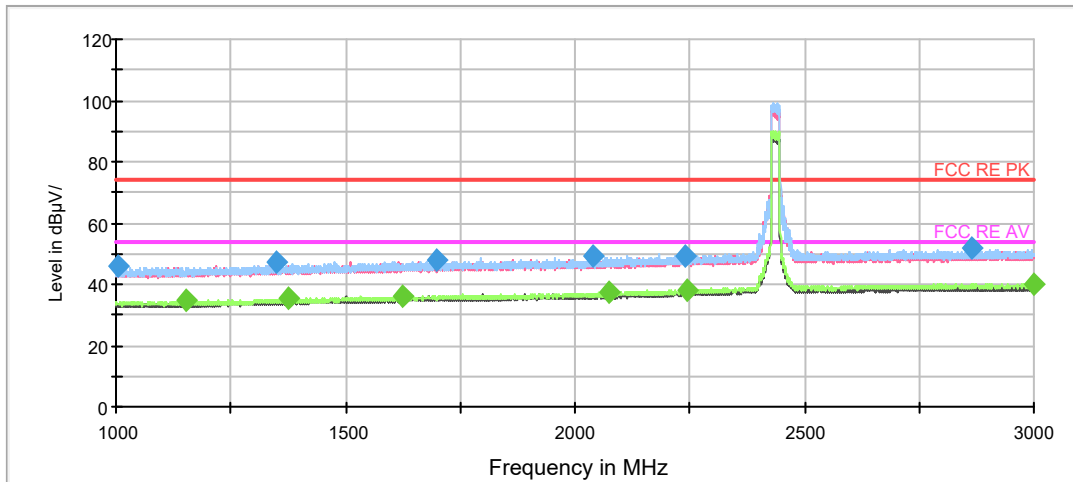
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1124.500000	46.0	200.0	H	356.0	-1.3	28.0	74.0
1322.000000	47.0	200.0	H	345.0	-0.9	27.0	74.0
1590.250000	47.4	100.0	V	354.0	-0.1	26.6	74.0
1807.750000	46.7	100.0	V	302.0	0.7	27.3	74.0
2010.000000	48.8	200.0	H	151.0	1.1	25.2	74.0
2818.750000	51.1	100.0	H	77.0	4.3	22.9	74.0

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1125.000000	34.0	200.0	H	219.0	-1.3	20.0	54.0
1375.000000	36.1	100.0	V	0.0	-0.8	17.9	54.0
1625.000000	36.3	100.0	V	210.0	0.1	17.7	54.0
1800.000000	37.3	100.0	V	54.0	0.6	16.7	54.0
2009.250000	36.0	200.0	V	250.0	1.1	18.0	54.0
2925.500000	39.2	200.0	V	156.0	4.6	14.8	54.0

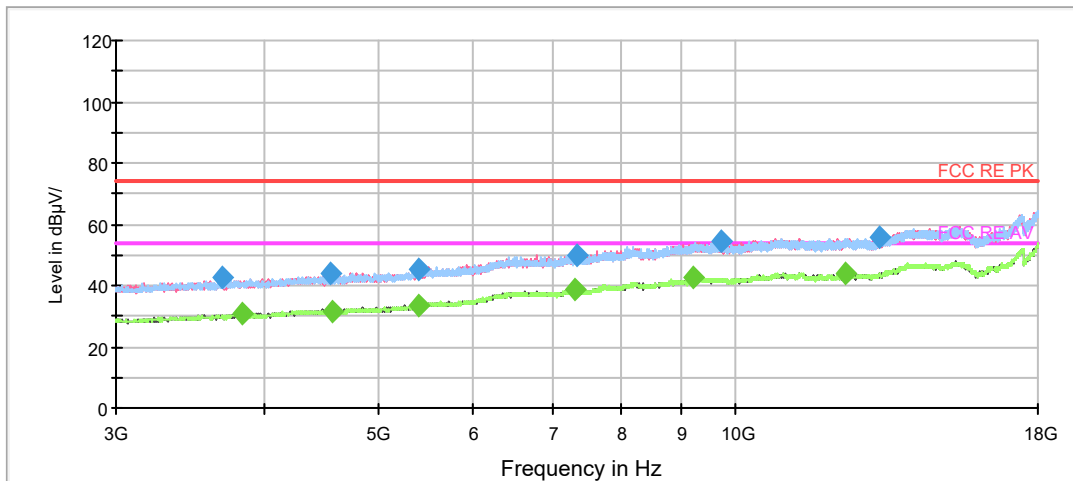
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

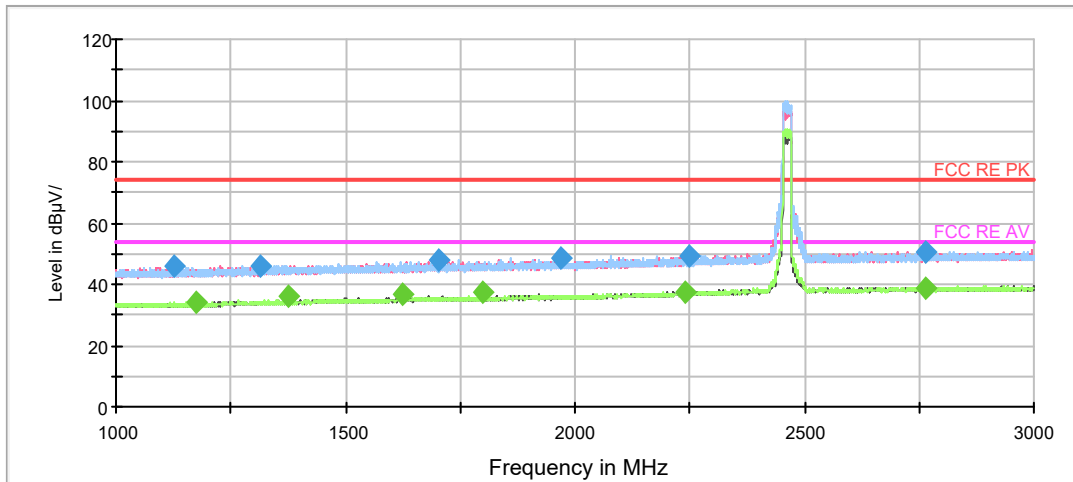
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1004.750000	45.6	100.0	H	51.0	-1.9	28.4	74.0
1349.000000	47.0	100.0	H	187.0	-0.9	27.0	74.0
1698.750000	47.6	100.0	H	6.0	0.4	26.4	74.0
2040.000000	48.9	100.0	H	4.0	1.3	25.1	74.0
2240.000000	49.2	100.0	H	100.0	2.4	24.8	74.0
2864.500000	51.8	100.0	H	83.0	4.4	22.2	74.0

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

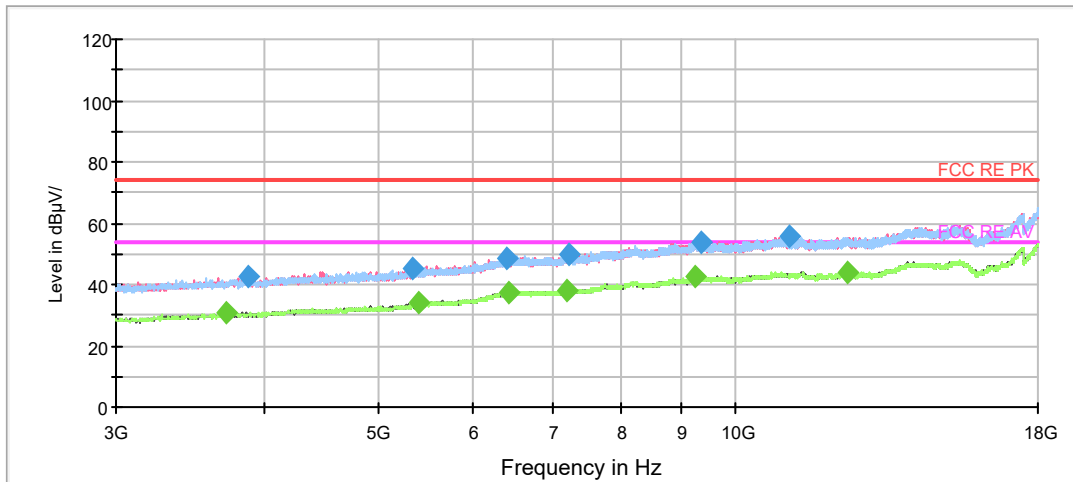
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1151.250000	34.4	100.0	H	178.0	-1.3	19.6	54.0
1375.000000	35.7	100.0	V	0.0	-0.8	18.3	54.0
1624.750000	36.3	200.0	V	239.0	0.1	17.7	54.0
2073.000000	37.1	100.0	H	178.0	1.5	16.9	54.0
2244.000000	37.7	100.0	H	100.0	2.4	16.3	54.0
2999.250000	40.2	100.0	H	51.0	4.8	13.8	54.0

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

802.11n (HT20) CH11



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



Radiates Emission from 3GHz to 18GHz

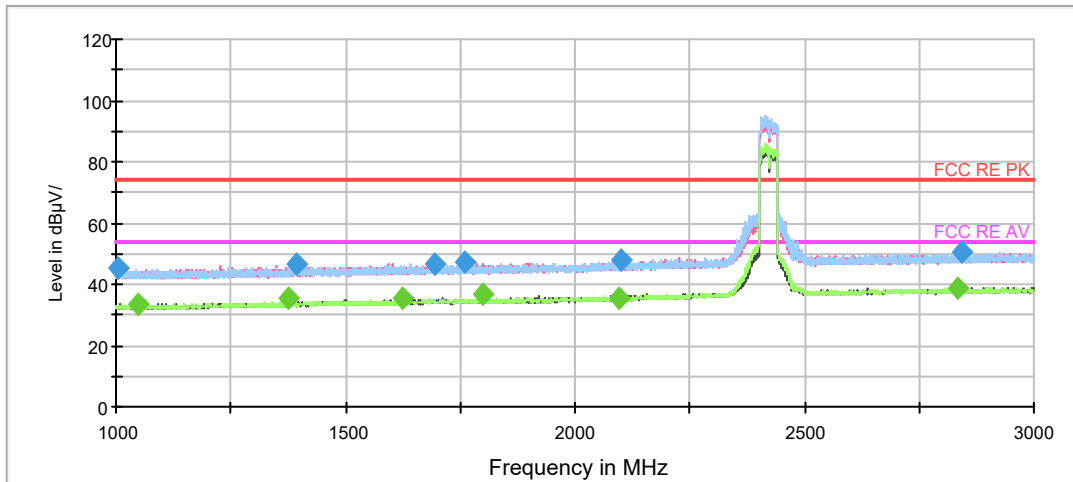
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1125.250000	45.8	100.0	V	72.0	-1.3	28.2	74.0
1315.750000	46.0	100.0	V	338.0	-0.9	28.0	74.0
1704.250000	47.7	200.0	V	0.0	0.4	26.3	74.0
1968.750000	48.4	100.0	H	297.0	1.0	25.6	74.0
2247.000000	49.2	200.0	H	340.0	2.4	24.8	74.0
2762.250000	50.5	200.0	H	167.0	4.2	23.5	74.0

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

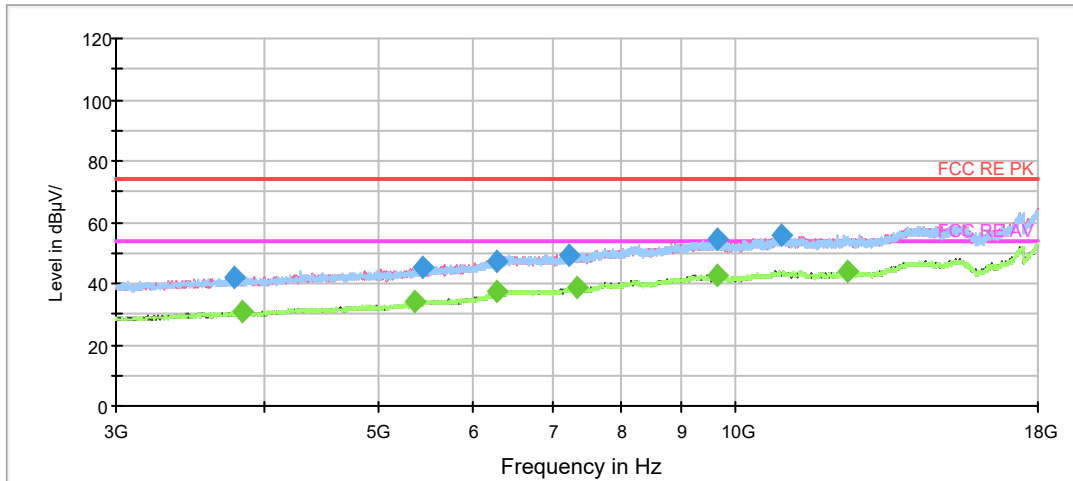
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1176.250000	34.0	100.0	H	0.0	-1.3	20.0	54.0
1375.000000	35.9	100.0	V	13.0	-0.8	18.1	54.0
1625.000000	36.7	200.0	V	90.0	0.1	17.3	54.0
1800.000000	37.1	100.0	V	355.0	0.6	16.9	54.0
2239.000000	37.4	100.0	H	66.0	2.4	16.6	54.0
2763.750000	38.7	200.0	H	359.0	4.2	15.3	54.0

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

802.11n (HT40) CH3



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



Radiates Emission from 3GHz to 18GHz

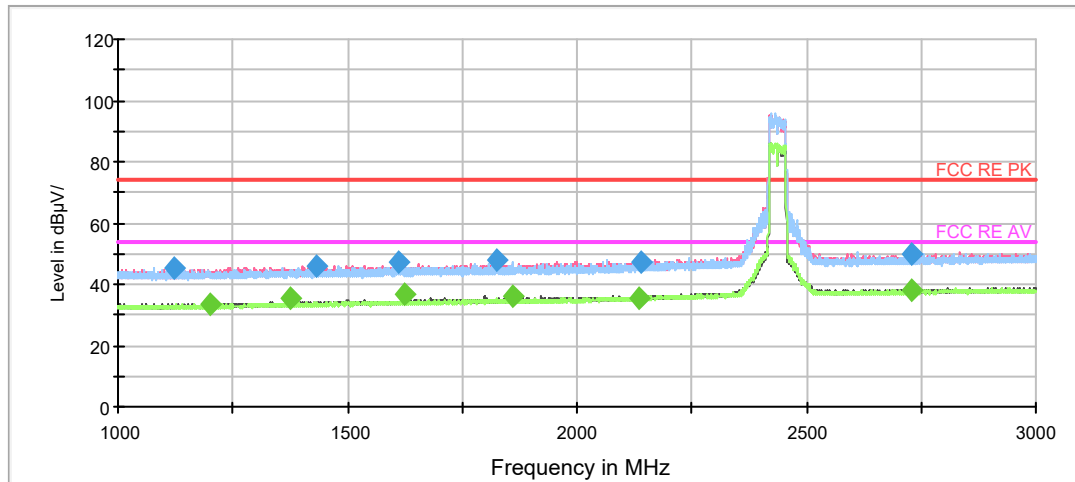
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1004.750000	45.3	100.0	V	189.0	-1.9	28.7	74.0
1394.250000	46.7	100.0	H	96.0	-0.7	27.3	74.0
1695.750000	46.6	200.0	V	0.0	0.4	27.4	74.0
1759.500000	47.1	100.0	H	3.0	0.5	26.9	74.0
2099.000000	47.6	200.0	V	124.0	1.7	26.4	74.0
2844.250000	50.4	200.0	V	25.0	4.4	23.6	74.0

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1046.750000	33.5	100.0	H	0.0	-1.7	20.5	54.0
1374.750000	35.5	100.0	V	359.0	-0.8	18.5	54.0
1625.000000	35.6	200.0	V	316.0	0.1	18.4	54.0
1800.000000	36.7	100.0	V	222.0	0.6	17.3	54.0
2095.250000	35.6	100.0	H	47.0	1.6	18.4	54.0
2833.000000	38.6	200.0	V	234.0	4.4	15.4	54.0

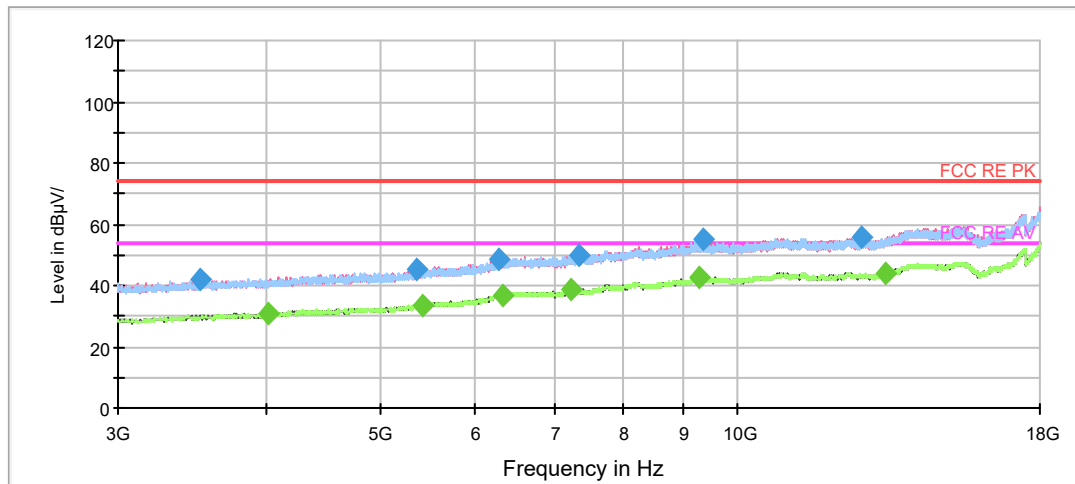
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

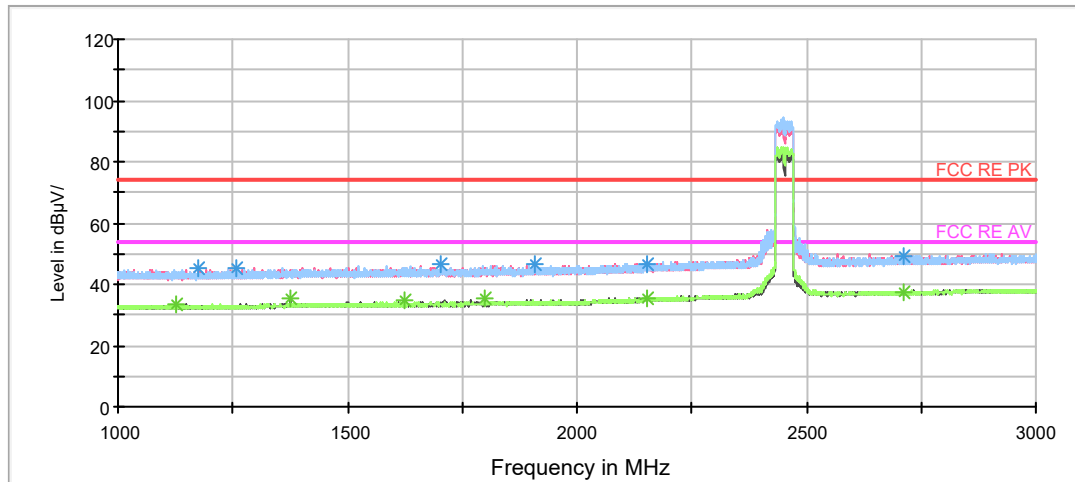
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1121.750000	45.3	200.0	H	36.0	-1.4	28.7	74.0
1430.250000	46.1	200.0	V	116.0	-0.6	27.9	74.0
1610.500000	47.4	100.0	V	340.0	0.0	26.6	74.0
1826.750000	48.1	200.0	V	150.0	0.7	25.9	74.0
2138.250000	47.4	200.0	V	34.0	1.9	26.6	74.0
2728.250000	50.1	100.0	V	218.0	4.1	23.9	74.0

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

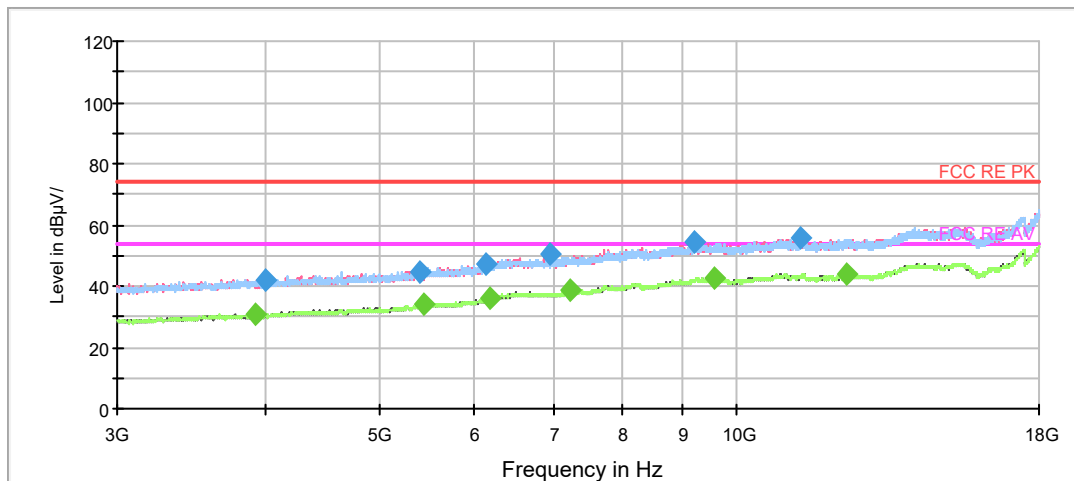
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1200.000000	33.5	200.0	V	209.0	-1.2	20.5	54.0
1374.750000	35.3	100.0	V	358.0	-0.8	18.7	54.0
1625.000000	36.5	200.0	V	307.0	0.1	17.5	54.0
1860.250000	36.2	200.0	V	50.0	0.8	17.8	54.0
2137.000000	35.6	200.0	V	8.0	1.9	18.4	54.0
2727.500000	38.2	200.0	V	16.0	4.1	15.8	54.0

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

802.11n (HT40) CH9



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



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1173.000000	45.0	200.0	V	216.0	-1.3	29.0	74
1258.000000	45.3	100.0	H	315.0	-1.1	28.7	74
1703.250000	46.3	100.0	H	114.0	0.4	27.7	74
1907.250000	46.4	200.0	V	4.0	0.9	27.6	74
2151.500000	46.8	100.0	H	30.0	1.9	27.2	74
2710.250000	49.2	100.0	V	135.0	4.1	24.8	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1124.750000	33.7	200.0	H	228.0	-1.3	20.3	54
1374.750000	35.4	100.0	V	0.0	-0.8	18.6	54
1624.750000	35.0	200.0	V	305.0	0.1	19.0	54
1800.250000	35.2	100.0	V	0.0	0.6	18.8	54
2151.750000	35.2	200.0	V	216.0	1.9	18.8	54
2711.750000	37.4	100.0	V	299.0	4.1	16.6	54

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

5.2. Conducted Emission

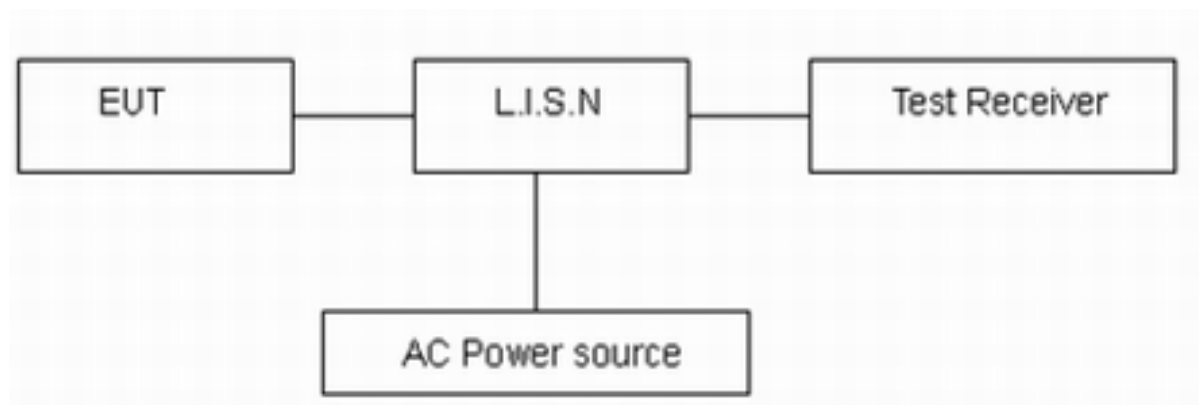
Ambient condition

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.		

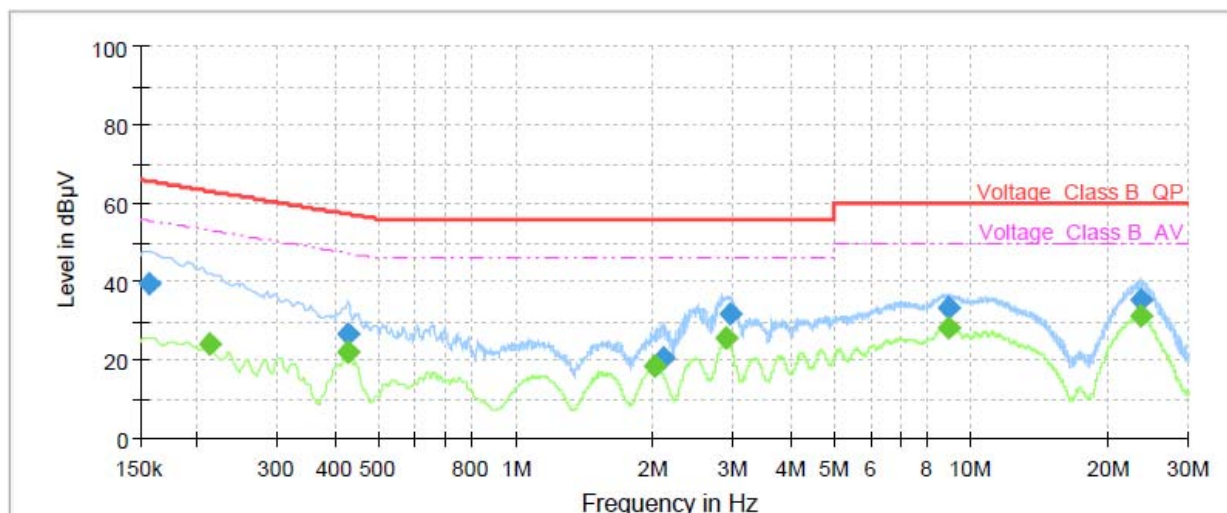
Measurement Uncertainty

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:

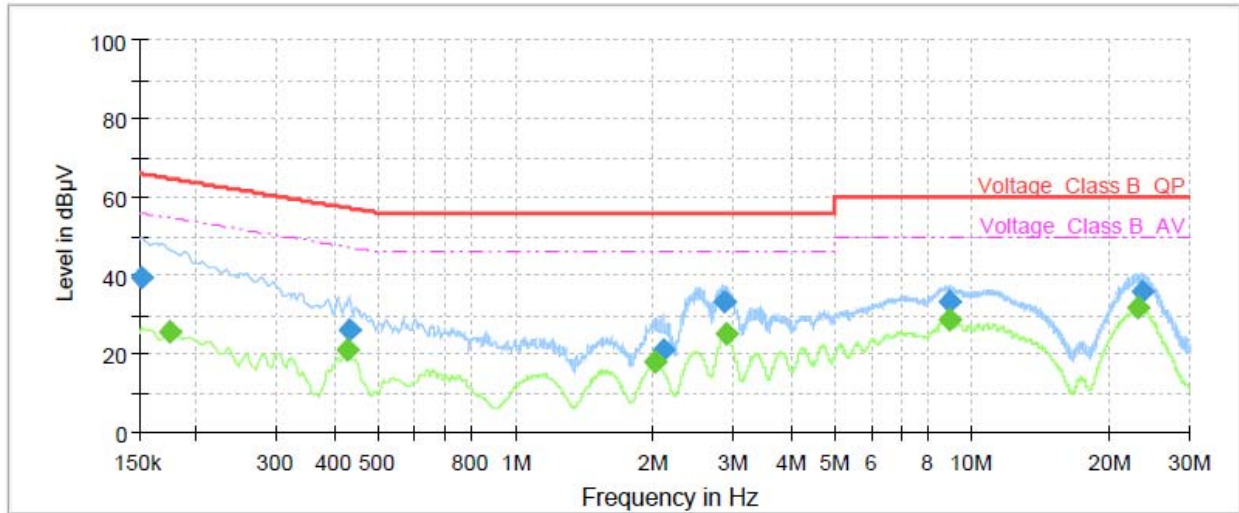
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes (WIFI 2.4G) with all channels, 802.11n (HT20) CH6 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Original (P-41)



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.16	39.43	---	65.63	26.20	1000.0	9.000	L1	ON	19.09
0.21	---	24.32	53.09	28.77	1000.0	9.000	L1	ON	19.16
0.43	---	21.88	47.32	25.44	1000.0	9.000	L1	ON	19.23
0.43	26.84	---	57.27	30.43	1000.0	9.000	L1	ON	19.23
2.02	---	18.53	46.00	27.47	1000.0	9.000	L1	ON	19.13
2.12	20.45	---	56.00	35.55	1000.0	9.000	L1	ON	19.08
2.89	---	25.47	46.00	20.53	1000.0	9.000	L1	ON	19.07
2.97	31.67	---	56.00	24.33	1000.0	9.000	L1	ON	19.10
8.91	---	28.40	50.00	21.60	1000.0	9.000	L1	ON	19.28
8.93	33.39	---	60.00	26.61	1000.0	9.000	L1	ON	19.28
23.48	35.55	---	60.00	24.45	1000.0	9.000	L1	ON	19.66
23.55	---	31.29	50.00	18.71	1000.0	9.000	L1	ON	19.67

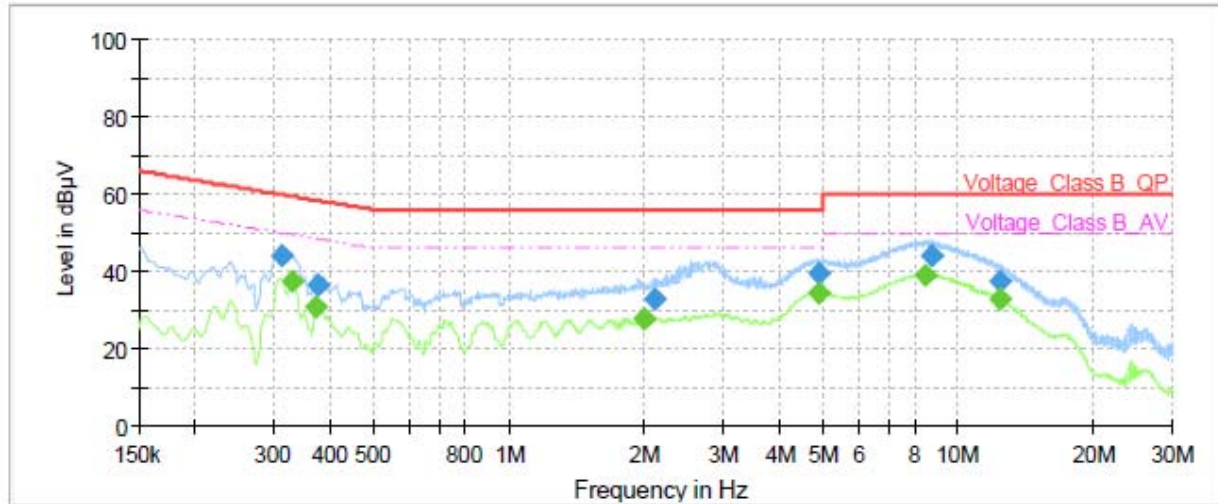
L line Conducted Emission from 150 KHz to 30 MHz



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.15	39.71	---	65.88	26.17	1000.0	9.000	N	ON	19.07
0.17	---	25.60	54.73	29.13	1000.0	9.000	N	ON	19.16
0.43	---	21.17	47.27	26.10	1000.0	9.000	N	ON	19.23
0.43	25.99	---	57.23	31.24	1000.0	9.000	N	ON	19.23
2.01	---	18.00	46.00	28.00	1000.0	9.000	N	ON	19.13
2.11	20.79	---	56.00	35.21	1000.0	9.000	N	ON	19.08
2.86	33.09	---	56.00	22.91	1000.0	9.000	N	ON	19.05
2.89	---	25.25	46.00	20.75	1000.0	9.000	N	ON	19.06
8.92	33.48	---	60.00	26.52	1000.0	9.000	N	ON	19.29
8.97	---	28.69	50.00	21.31	1000.0	9.000	N	ON	19.30
23.17	---	31.55	50.00	18.45	1000.0	9.000	N	ON	19.54
23.52	36.05	---	60.00	23.95	1000.0	9.000	N	ON	19.56

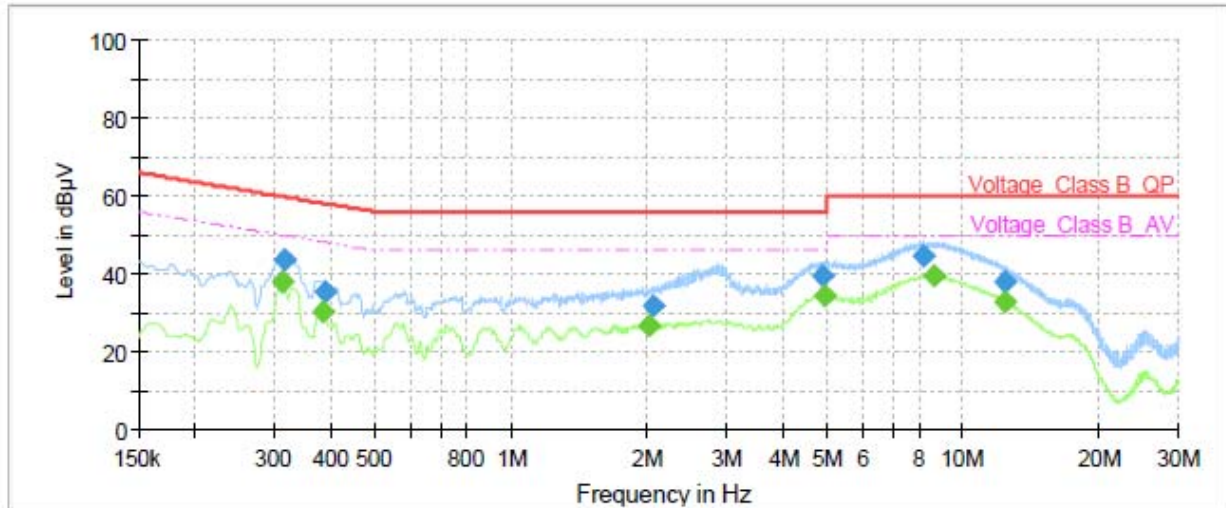
N line Conducted Emission from 150 KHz to 30 MHz

Variant 1 (Mars1417V-TSI)



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.31	43.96	---	59.92	15.95	1000.0	9.000	L1	ON	19.18
0.33	---	37.30	49.51	12.21	1000.0	9.000	L1	ON	19.18
0.37	---	30.99	48.44	17.45	1000.0	9.000	L1	ON	19.21
0.38	36.50	---	58.39	21.89	1000.0	9.000	L1	ON	19.21
2.00	---	27.46	46.00	18.54	1000.0	9.000	L1	ON	19.13
2.11	32.68	---	56.00	23.32	1000.0	9.000	L1	ON	19.08
4.88	---	34.60	46.00	11.40	1000.0	9.000	L1	ON	19.06
4.88	39.62	---	56.00	16.38	1000.0	9.000	L1	ON	19.07
8.46	---	39.21	50.00	10.79	1000.0	9.000	L1	ON	19.23
8.74	43.98	---	60.00	16.02	1000.0	9.000	L1	ON	19.27
12.41	37.69	---	60.00	22.31	1000.0	9.000	L1	ON	19.43
12.42	---	32.80	50.00	17.20	1000.0	9.000	L1	ON	19.43

L line Conducted Emission from 150 KHz to 30 MHz



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.31	---	38.07	49.92	11.85	1000.0	9.000	N	ON	19.18
0.31	43.48	---	59.86	16.38	1000.0	9.000	N	ON	19.17
0.38	---	30.03	48.19	18.16	1000.0	9.000	N	ON	19.23
0.39	35.52	---	58.14	22.62	1000.0	9.000	N	ON	19.23
2.02	---	26.84	46.00	19.16	1000.0	9.000	N	ON	19.13
2.07	32.00	---	56.00	24.00	1000.0	9.000	N	ON	19.10
4.88	39.28	---	56.00	16.72	1000.0	9.000	N	ON	19.07
4.92	---	34.21	46.00	11.79	1000.0	9.000	N	ON	19.07
8.19	44.41	---	60.00	15.59	1000.0	9.000	N	ON	19.22
8.66	---	39.45	50.00	10.55	1000.0	9.000	N	ON	19.27
12.44	37.97	---	60.00	22.03	1000.0	9.000	N	ON	19.41
12.45	---	33.00	50.00	17.00	1000.0	9.000	N	ON	19.41

N line Conducted Emission from 150 KHz to 30 MHz

6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Spectrum Analyzer	R&S	FSV30	100815	2018-12-16	2019-12-15
Spectrum Analyzer	R&S	FSV30	100815	2019-12-15	2020-12-14
EMI Test Receiver	R&S	ESCI	100948	2019-05-20	2020-05-19
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2017-09-26	2020-09-25
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-201	2017-11-18	2020-11-17
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
EMI Test Receiver	R&S	ESR	101667	2019-05-20	2020-05-19
LISN	R&S	ENV216	101171	2016-12-16	2019-12-15
LISN	R&S	ENV216	101171	2019-12-15	2022-12-14
Spectrum Analyzer	Agilent	N9010A	MY47191109	2019-05-20	2020-05-19
Power Meter	R&S	NRP	104306	2019-05-20	2020-05-19
Power Sensor	R&S	NRP-Z21	104799	2019-05-20	2020-05-19
20dB Attenuator	Star River Highlight	UCL-TS2S-20	18013001	2018-12-16	2019-12-15
20dB Attenuator	Star River Highlight	UCL-TS2S-20	18013001	2019-12-15	2020-12-14
RF Cable	Agilent	SMA 15cm	0001	2019-06-14	2019-12-13
RF Cable	Agilent	SMA 15cm	0001	2019-12-13	2020-06-12
Software	R&S	EMC32	9.26.0	/	/

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