



RF TEST REPORT

Applicant	ZTE Coporation
FCC ID	SRQ-Z815
Product	LTE/WCDMA/GSM Multi-Mode Digital Mobile Phone
Model	Z815
Report No.	RXC1512-0230RF05R1
Issue Date	March 10, 2016

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15C (2014)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Handwritten signature of Lingling Kang in blue ink.

Reviewed by: Lingling Kang

Handwritten signature of Kai Xu in blue ink.

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



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Summary of measurement results

Number	Summary of measurements of results	Clause in FCC rules	Verdict
1	Maximum peak conducted output power	15.247(b)(3)	PASS
2	6 dB bandwidth	15.247(a)(2)	PASS
3	Maximum power spectral density	15.247(e)	PASS
4	Band Edge	15.247(d)	PASS
5	Spurious RF Conducted Emissions	15.247(d)	PASS
6	Radiated Emissions in restricted frequency bands	15.247(d),15.205,15.209	PASS
7	Radiated Emissions	15.247(d),15.205,15.209	PASS
8	Conducted Emissions	15.207	PASS
Date of Testing: January 4, 2016~ February 4, 2016			



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. This report must not be used by the client to claim product certification, approval, or endorsement by CNAS or any government agencies.

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 (recognition number is 428261)

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-766)

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

A2LA (Certificate Number: 3857.01)

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



1.3. Testing Location

Company: TA Technology (Shanghai) Co., Ltd.
Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong
City: Shanghai
Post code: 201201
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	ZTE Coporation
Applicant address	ZTE Plaza, #55 Keji Road South, Hi-Tech, Industrial Park, Nanshan District Shenzhen, Guangdong, P.R.China
Manufacturer	ZTE Coporation
Manufacturer address	ZTE Plaza, #55 Keji Road South, Hi-Tech, Industrial Park, Nanshan District Shenzhen, Guangdong, P.R.China

General information

Model:	Z815
MEID:	869278020003663
Hardware Version:	u50A
Software Version:	Z815V0.0.0B01
Power Supply:	Battery/AC adapter
Antenna Type:	Internal Antenna
Test Mode:	Bluetooth(Low Energy) 802.11b 802.11g, 802.11n(HT20);
Modulation Type:	BLE :GFSK 802.11b: DSSS; 802.11g/n(HT20): OFDM
Max. Conducted Power	Wi-Fi 2.4G :17.25dBm BLE : 9.43 dBm
Operating Frequency Range(s)	2400 ~ 2483.5 MHz
EUT Accessory	
Battery	Manufacturer: SCUD(FUJIAN)ELECTRONICS Model: Li3922T44P6h903546Power Rating: DC 3.84V, Li-ion
Adapter	Manufacturer: RUIDE Model: STC-A51A-Z
<p>Note: The information of the EUT is declared by the manufacturer. Please refer to the specifications or user manual for details.</p>	



3. Applied Standards

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

FCC CFR47 Part 15C (2014) Radio Frequency Devices

ANSI C63.10 (2013)

KDB 558074 D01 DTS Meas Guidance v03r04

4. Test Configuration

Test Mode

The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

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

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

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

Worst-case data rates are shown as following table.

Band	Data Rate
Bluetooth(Low Energy)	1Mbps
802.11b	2 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0

5. Test Case Results

5.1. Peak Power Output –Conducted

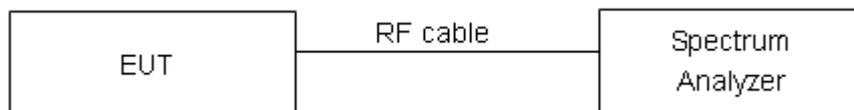
Ambient condition

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

Methods of Measurement

During the process of the testing, The EUT was connected to the spectrum analyzer with a known loss. The EUT is max power transmission with proper modulation. The peak detector is used. We use Maximum Peak Conducted Output Power Level Method in KDB 558074 D01 for this test.

Test Setup



Limits

Rule Part 15.247 (b) (3) specifies that " For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz: 1 Watt."

Peak Output Power	$\leq 1W$ (30dBm)
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Measurement Uncertainty

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

**Test Results**

Network Standards	Carrier frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)	Conclusion
802.11b	2412	17.25	30	PASS
	2437	17.21	30	PASS
	2462	16.14	30	PASS
802.11g	2412	15.46	30	PASS
	2437	15.27	30	PASS
	2462	14.12	30	PASS
802.11n HT20	2412	15.40	30	PASS
	2437	15.44	30	PASS
	2462	14.37	30	PASS
Bluetooth (Low Energy)	2402	8.96	30	PASS
	2440	9.43	30	PASS
	2480	9.26	30	PASS

5.2. 6dB Bandwidth

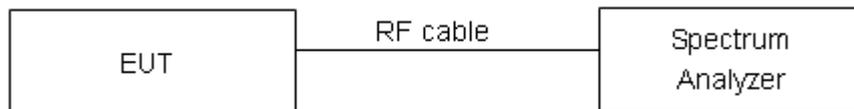
Ambient condition

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

Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable. RBW is set to 100 kHz; VBW is set to 300 kHz on spectrum analyzer.

Test Setup



Limits

Rule Part 15.247 (a) (2) specifies that “Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.”

minimum 6 dB bandwidth	≥ 500 kHz
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Measurement Uncertainty

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

**Test Results:**

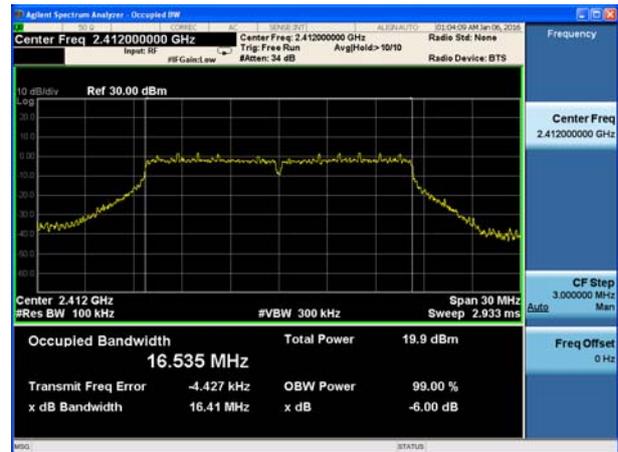
Network Standards	Carrier frequency (MHz)	Minimum 6 dB bandwidth (MHz)	Limit(kHz)	Conclusion
802.11b	2412	8.089	500	PASS
	2437	9.037	500	PASS
	2462	8.587	500	PASS
802.11g	2412	16.41	500	PASS
	2437	16.40	500	PASS
	2462	16.43	500	PASS
802.11n HT20	2412	17.63	500	PASS
	2437	17.62	500	PASS
	2462	17.63	500	PASS
Bluetooth (Low Energy)	2402	0.6618	500	PASS
	2440	0.6614	500	PASS
	2480	0.6575	500	PASS



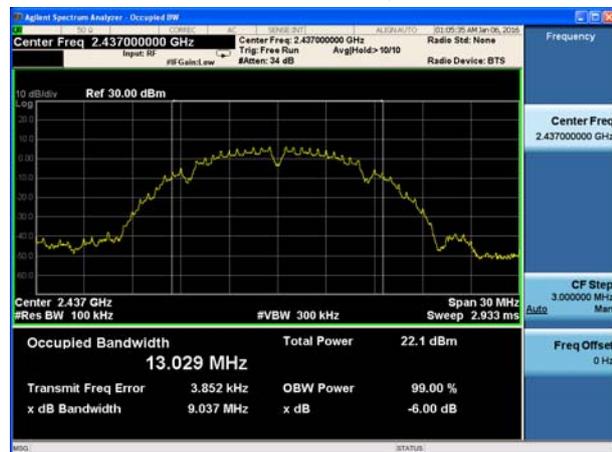
802.11b, Carrier frequency (MHz): 2412



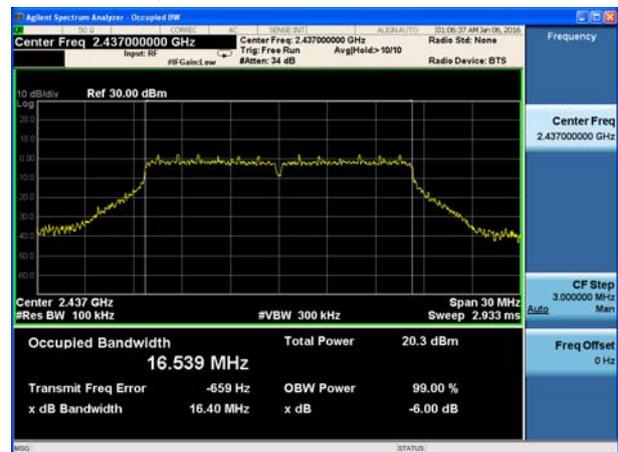
802.11g, Carrier frequency (MHz): 2412



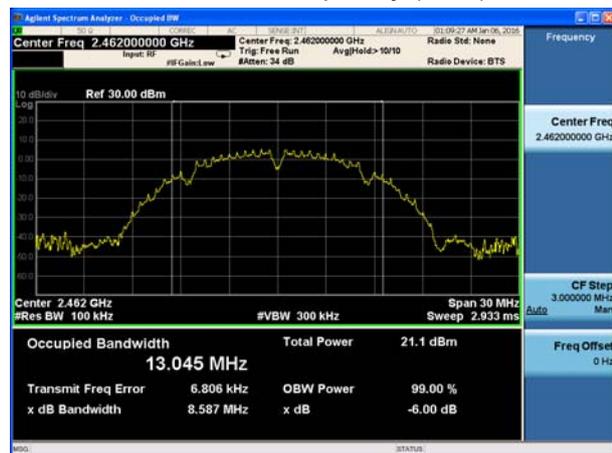
802.11b, Carrier frequency (MHz): 2437



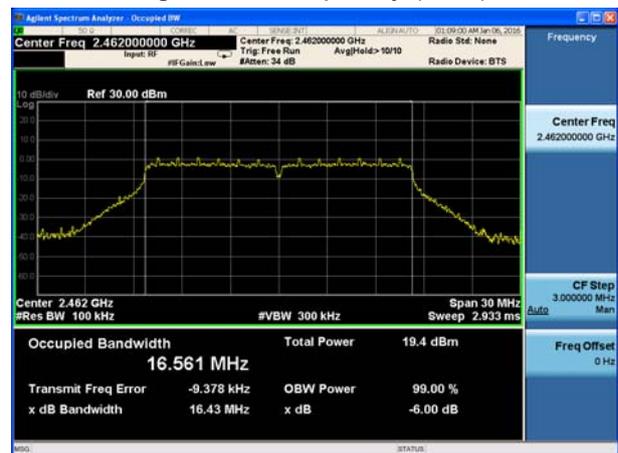
802.11g, Carrier frequency (MHz): 2437



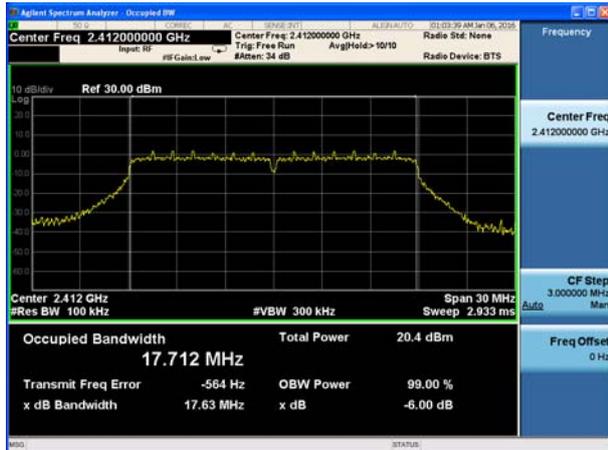
802.11b, Carrier frequency (MHz): 2462



802.11g, Carrier frequency (MHz): 2462



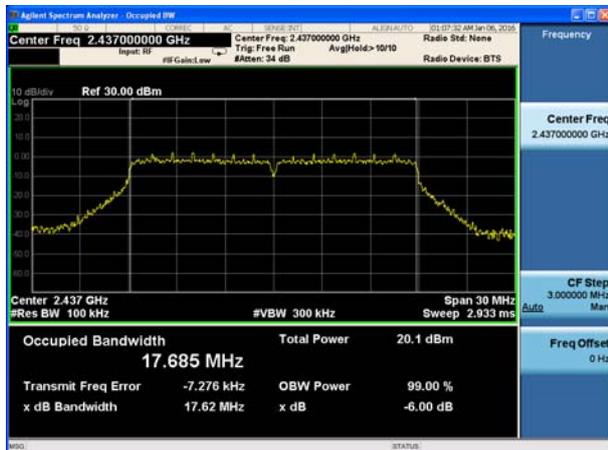
802.11n(HT20), Carrier frequency (MHz): 2412



BLE Carrier frequency (MHz): 2402



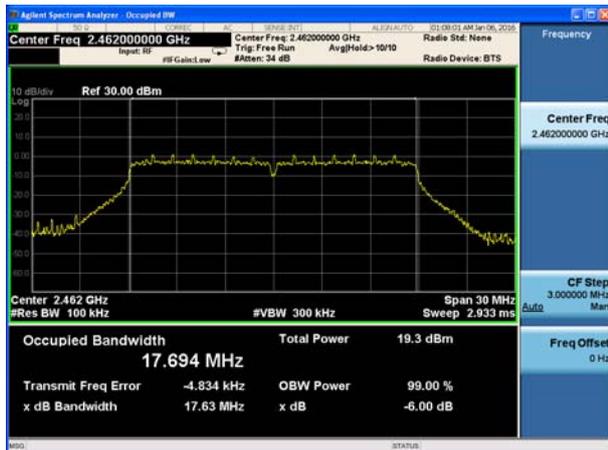
802.11n(HT20), Carrier frequency (MHz): 2437



BLE Carrier frequency (MHz): 2440



802.11n(HT20), Carrier frequency (MHz): 2462



BLE Carrier frequency (MHz): 2480



5.3. Band Edge

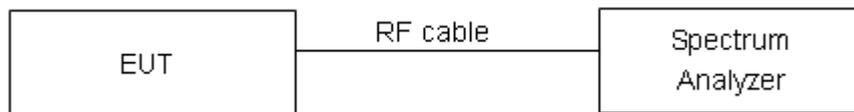
Ambient condition

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

Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable the band edge of the lowest and highest channels were measured. The peak detector is used and RBW is set to 100 kHz and VBW is set to 300 kHz on spectrum analyzer. Spectrum analyzer plots are included on the following pages.

Test Setup



Limits

Rule Part 15.247(d) specifies that “In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.”

Measurement Uncertainty

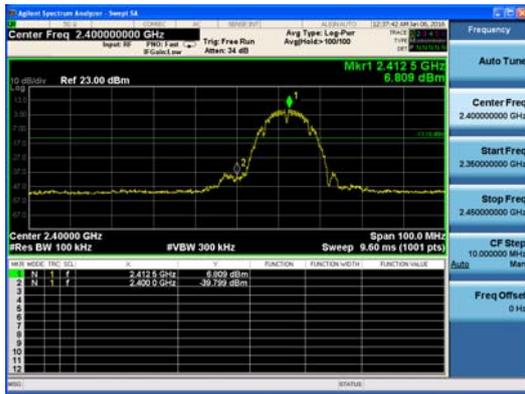
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

Frequency	Uncertainty
2GHz-3GHz	1.407 dB

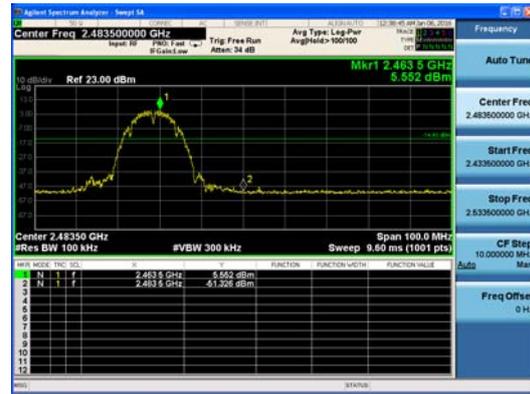


Test Results: PASS

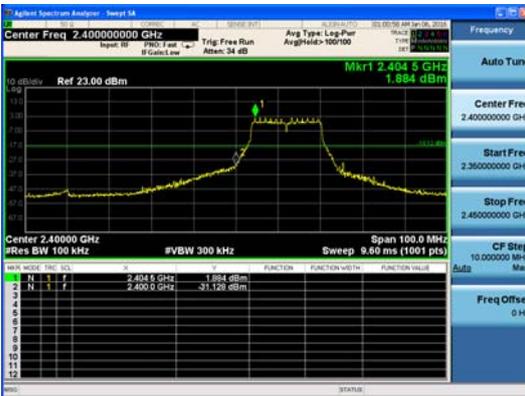
802.11b, Channel No.: 1



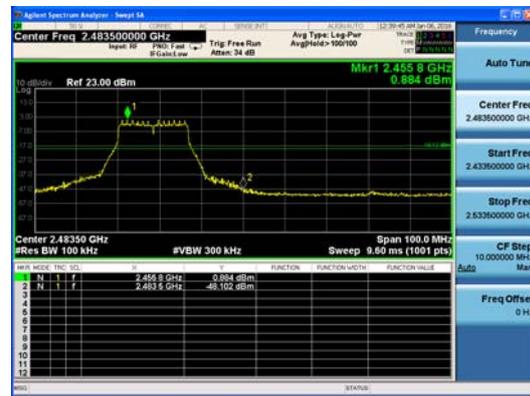
802.11b, Channel No.: 11



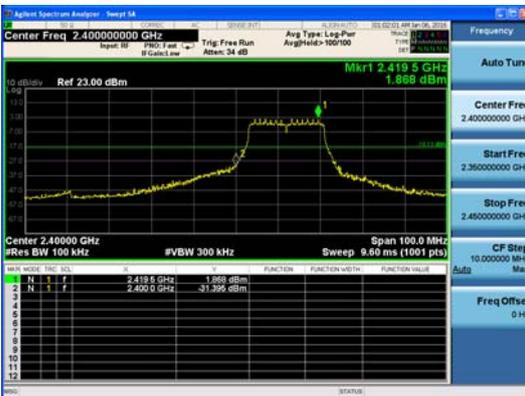
802.11g, Channel No.: 1



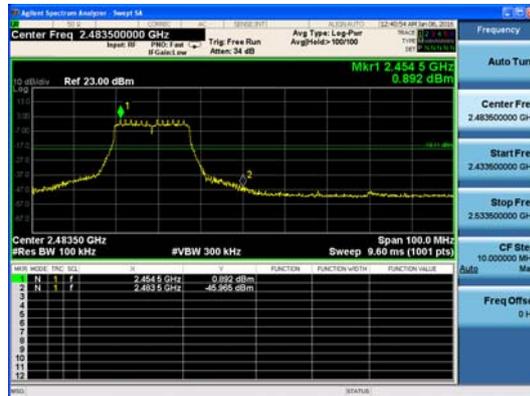
802.11g, Channel No.: 11



802.11n(HT20), Channel No.: 1



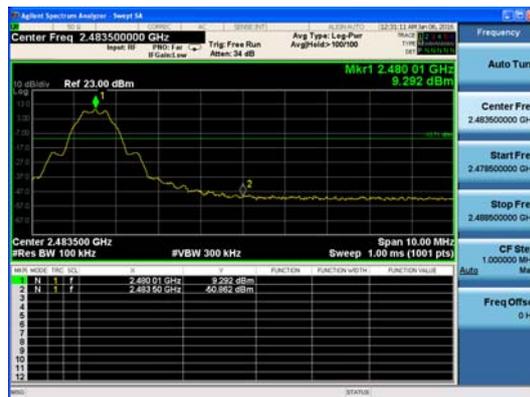
802.11n(HT20), Channel No.: 11



BLE, Channel No.: 11



BLE, Channel No.: 39



5.4. Power Spectral Density

Ambient condition

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

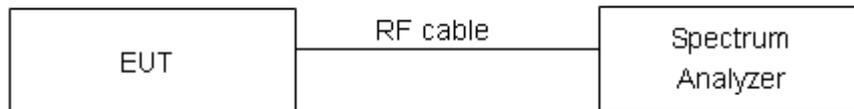
Method of Measurement

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

RBW is set to 3 kHz and VBW is set to 10 kHz for BLE/ Wi-Fi 2.4G on spectrum analyzer.

Set the span to 1.5 times the DTS channel bandwidth. Sweep time = auto couple. Trace mode = max hold. The peak power spectral density is recorded.

Test setup



Limits

Rule Part 15.247(e) specifies that” For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. ”

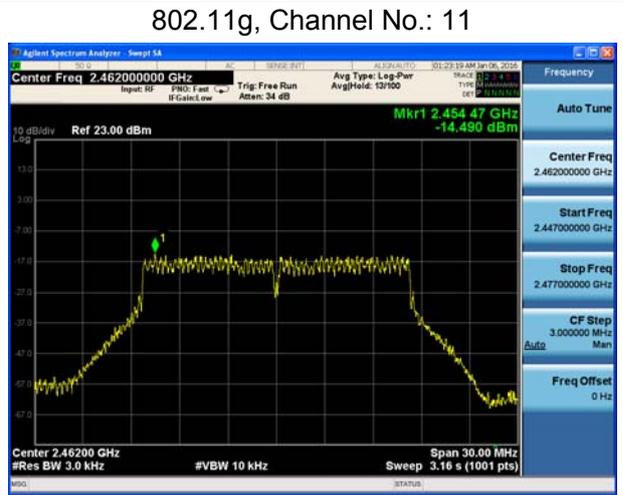
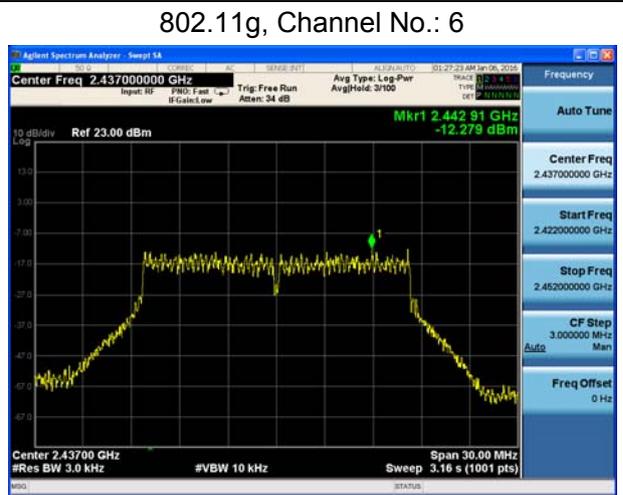
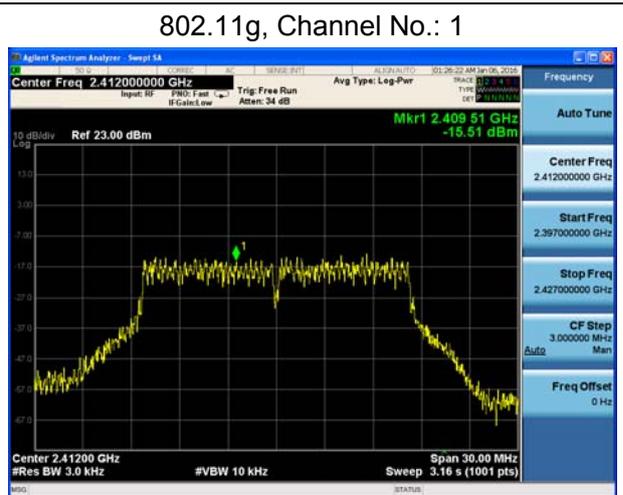
Limits	≤ 8 dBm / 3kHz
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Measurement Uncertainty

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

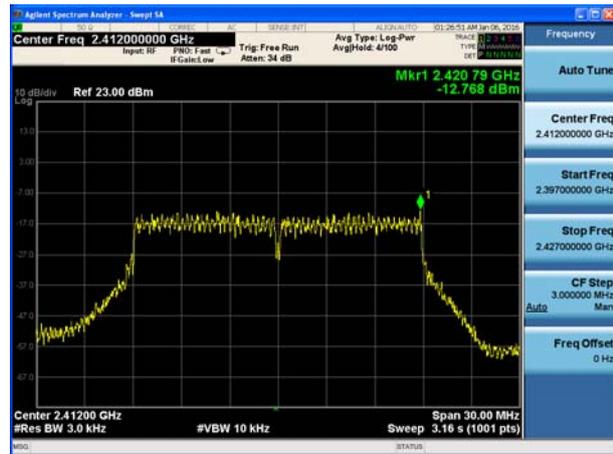
**Test Results:**

Network Standards	Channel Number	Power Spectral Density (dBm / 3kHz)	Limit (dBm / 3kHz)	Conclusion
802.11b	1	-7.838	8	PASS
	6	-8.042	8	PASS
	11	-10.654	8	PASS
802.11g	1	-15.51	8	PASS
	6	-12.279	8	PASS
	11	-14.490	8	PASS
802.11n HT20	1	-12.768	8	PASS
	6	-12.336	8	PASS
	11	-13.699	8	PASS
Bluetooth (Low Energy)	0	-7.838	8	PASS
	19	-8.042	8	PASS
	39	-10.654	8	PASS





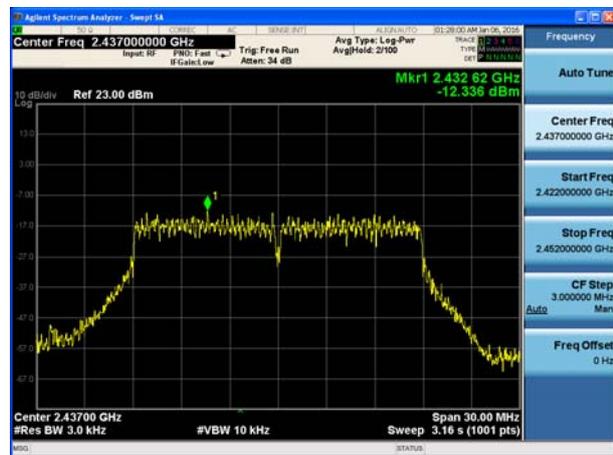
802.11n(HT20), Channel No. 1



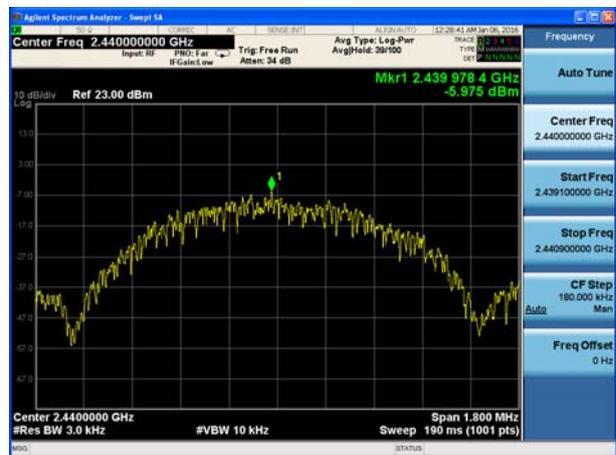
BLE, Channel No.: 0



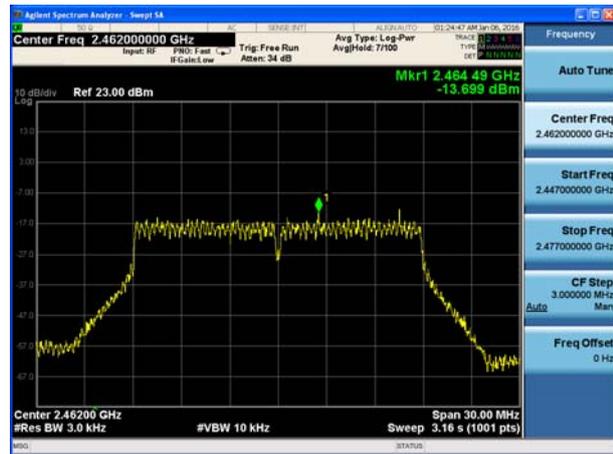
802.11n(HT20), Channel No. 6



BLE, Channel No.: 19



802.11n(HT20), Channel No. 11



BLE, Channel No.: 39



5.5. Spurious RF Conducted Emissions

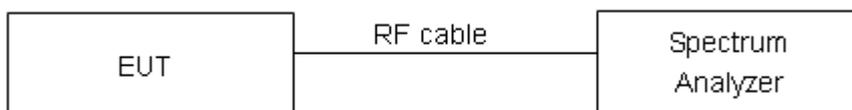
Ambient condition

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

Method of Measurement

The EUT was connected to the spectrum analyzer with a known loss. The spectrum analyzer scans from 30MHz to the 10th harmonic of the carrier. The peak detector is used. RBW and VBW are set to 100 kHz, Sweep is set to ATUO.

The test is in transmitting mode.



Limits

Rule Part 15.247(d) pacifies that “In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.”

Network Standards	Carrier frequency (MHz)	Reference value (dBm)	Limit
802.11b	2412	11.29	-8.71
	2437	4.45	-15.55
	2462	6.92	-13.08
802.11g	2412	4.89	-15.11
	2437	-1.14	-21.14
	2462	1.63	-18.38
802.11n HT20	2412	6.05	-13.95
	2437	0.23	-19.77
	2462	1.64	-18.36
Bluetooth (Low Energy)	2402	3.37	-16.63
	2440	1.73	-18.27
	2480	3.15	-16.85

**Measurement Uncertainty**

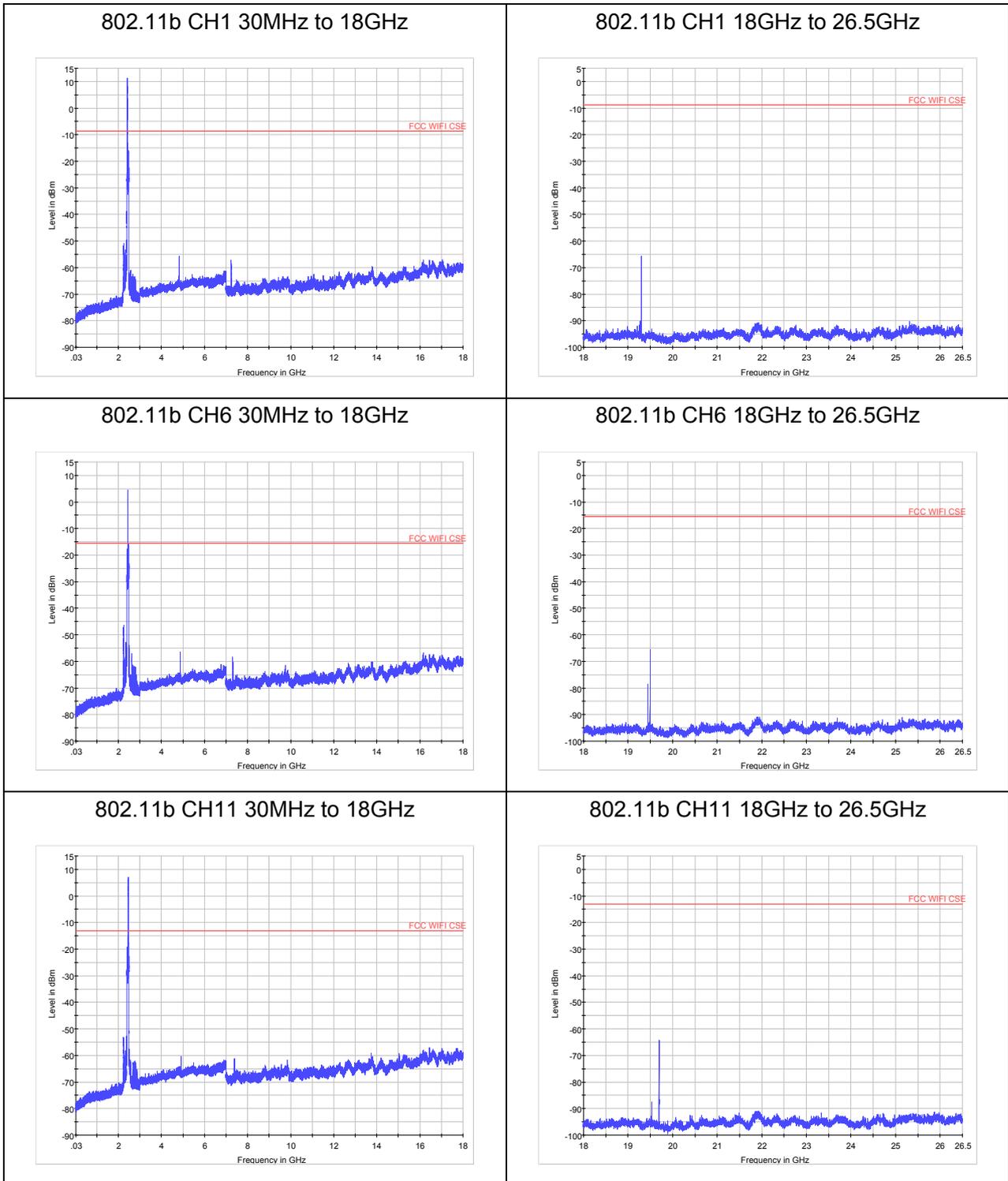
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

Frequency	Uncertainty
100kHz-2GHz	0.684 dB
2GHz-26GHz	1.407 dB



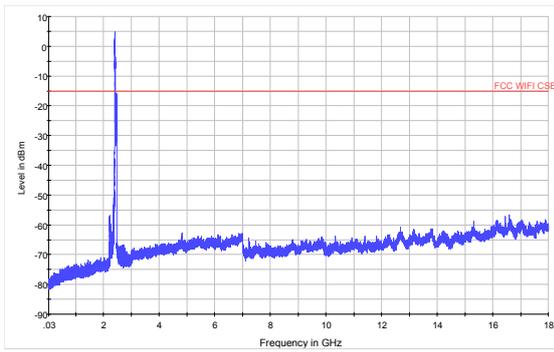
Test Results:

If disturbances were found more than 20dB below limit line, the mark is not required for the EUT.
The signal beyond the limit is carrier.

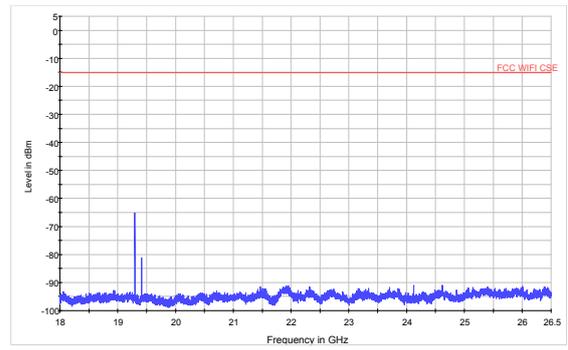




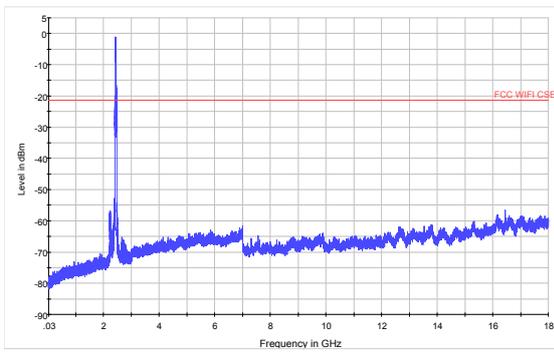
802.11g CH1 30MHz to 18GHz



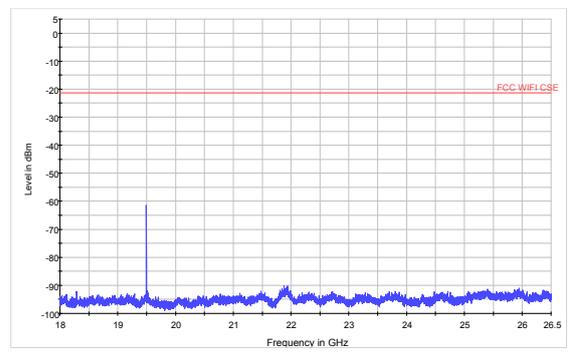
802.11g CH1 18GHz to 26.5GHz



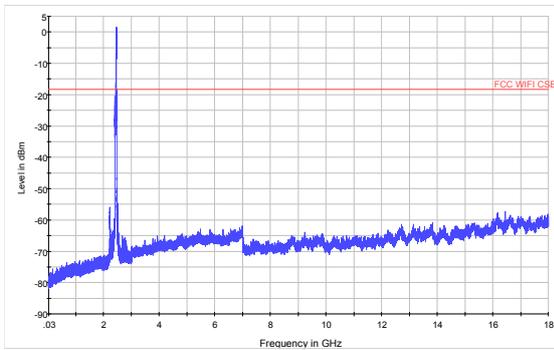
802.11g CH6 30MHz to 18GHz



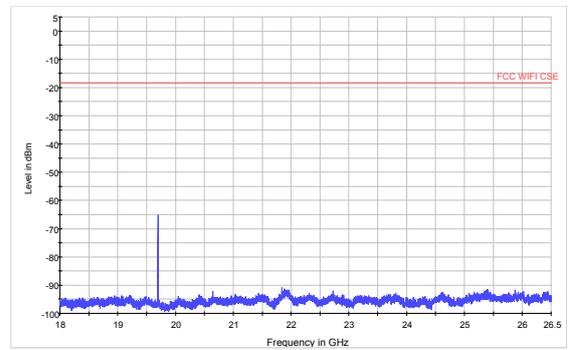
802.11g CH6 18GHz to 26.5GHz



802.11g CH11 30MHz to 18GHz

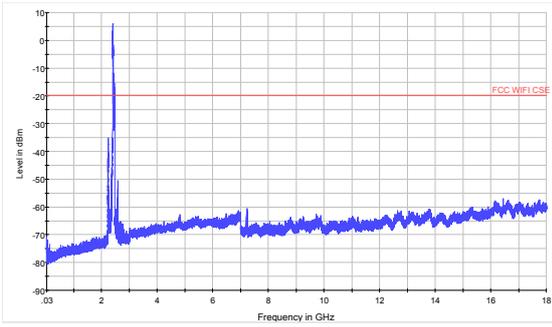


802.11g CH11 18GHz to 26.5GHz

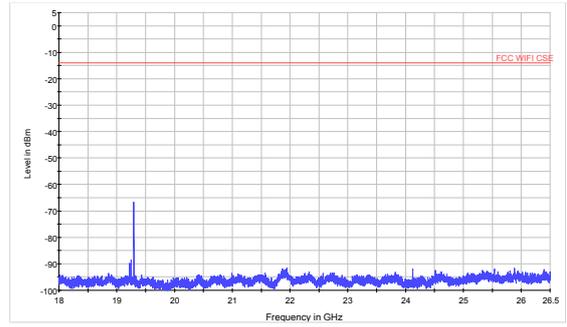




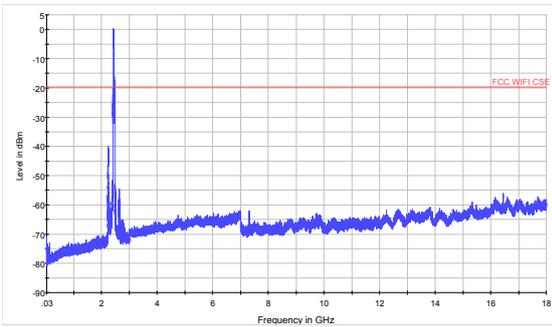
802.11 n (HT20) CH1 30MHz to 18GHz



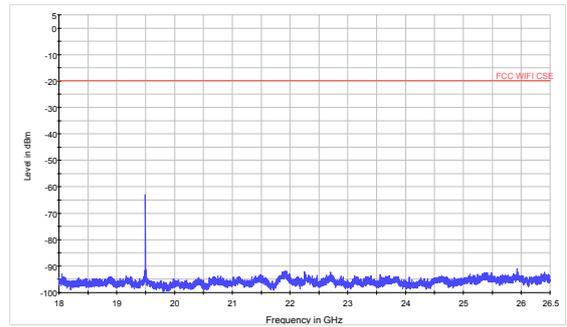
802.11 n (HT20) CH1 18GHz to 26.5GHz



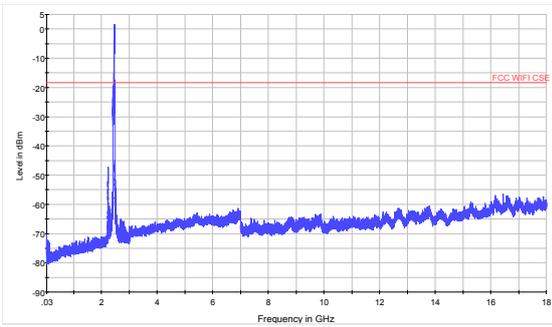
802.11 n (HT20) CH6 30MHz to 18GHz



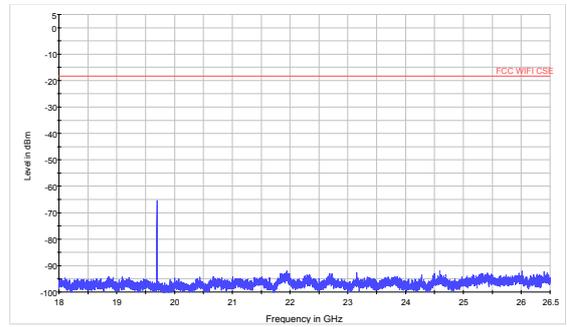
802.11 n (HT20) CH6 18GHz to 26.5GHz



802.11 n (HT20) CH11 30MHz to 18GHz

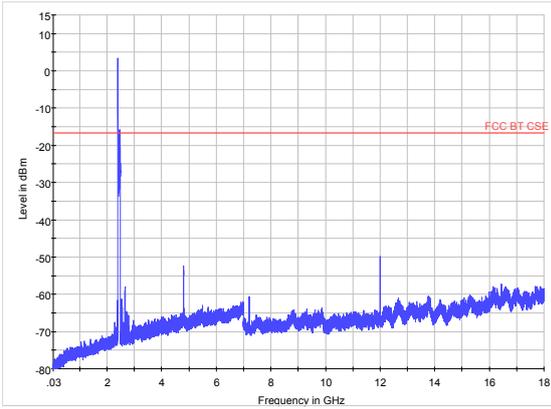


802.11 n (HT20) CH11 18GHz to 26.5GHz

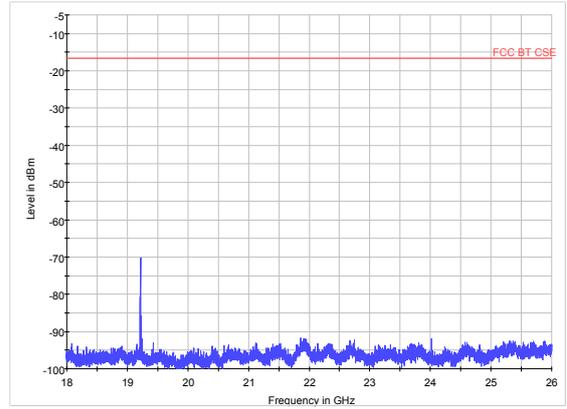




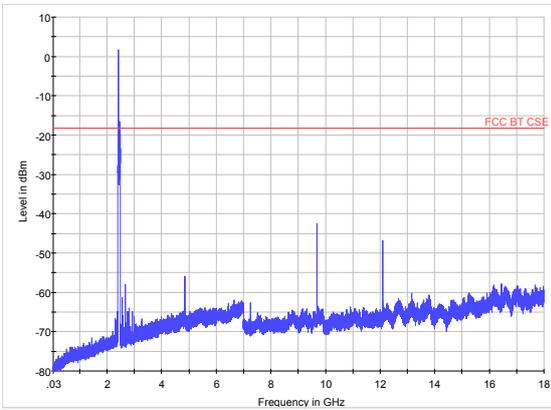
BLE CH0 30MHz to 18GHz



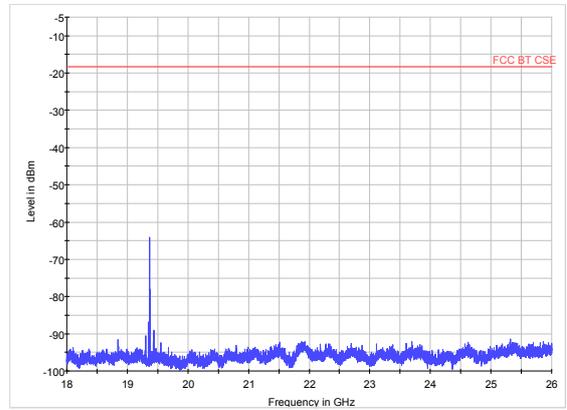
BLE CH0 18GHz to 26.5GHz



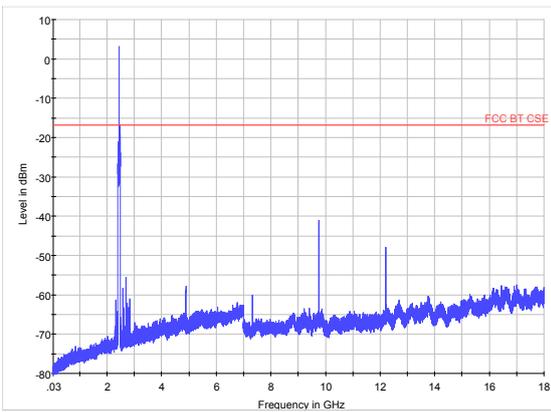
BLE CH19 30MHz to 18GHz



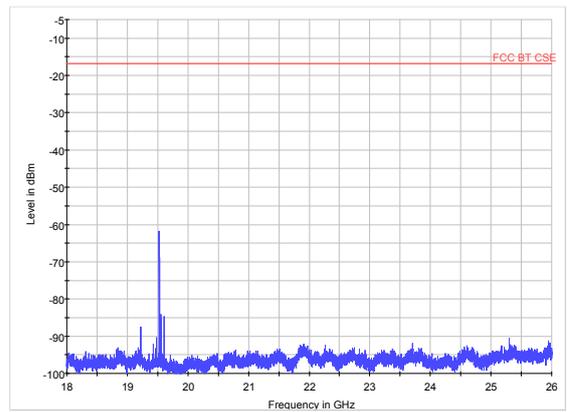
BLE CH19 18GHz to 26.5GHz



BLE CH39 30MHz to 18GHz



BLE CH39 18GHz to 26.5GHz



5.6. Radiated Emissions in the Restricted Band

Ambient condition

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

Method of Measurement

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. RBW is set to 100kHz. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing. Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

Set the spectrum analyzer in the following:

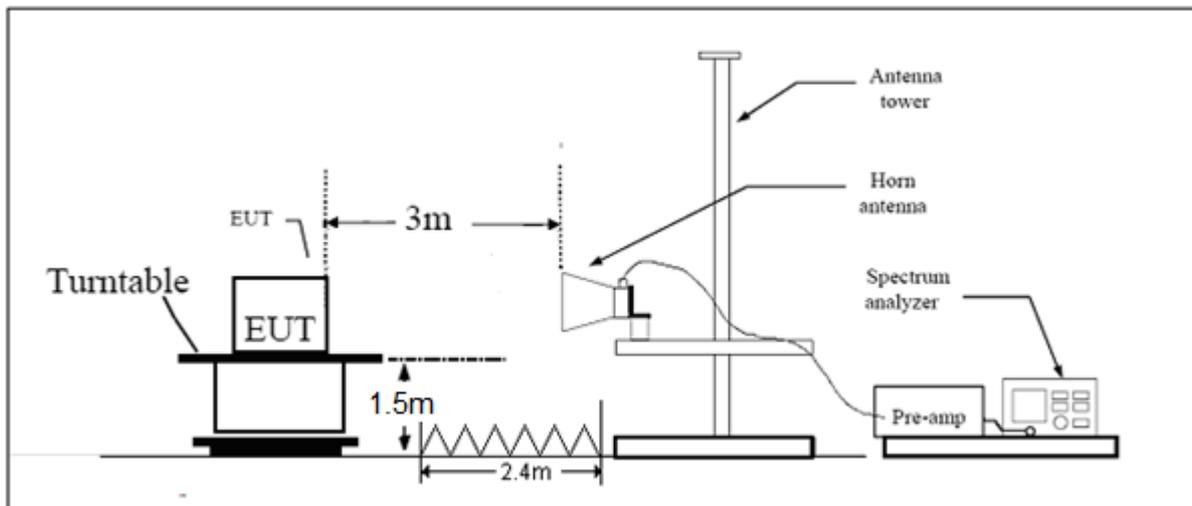
- (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
- (b) AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO

This setting method can refer to **KDB 558074**.

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

The test is in transmitting mode.

Test setup



Note: Area side: 2.4mX3.6m

Limits

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			

Limit in restricted band

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
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

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U = 3.55$ dB.



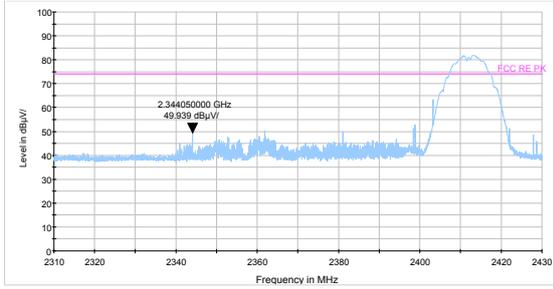
Test Results:

PASS

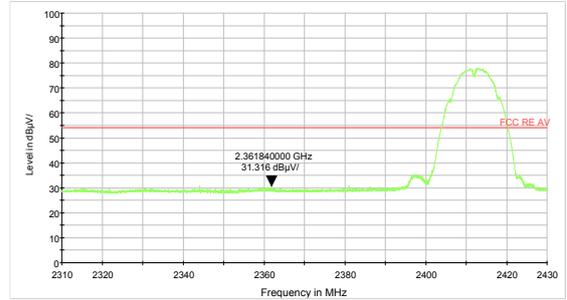
The messy code (dB μ V/m) including in the following plots mean dBuV/m.

The signal beyond the limit is carrier.

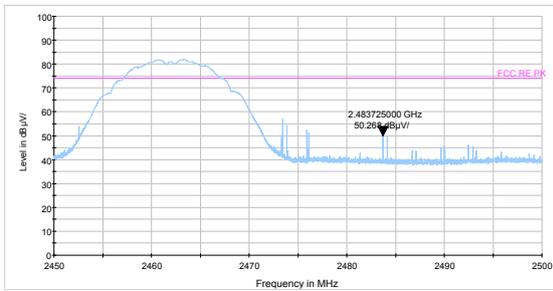
802.11b-Channel 1: Peak



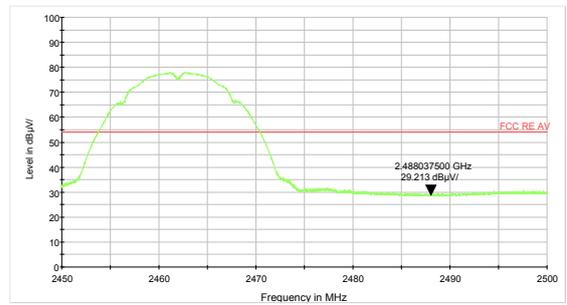
802.11b-Channel 1: Average



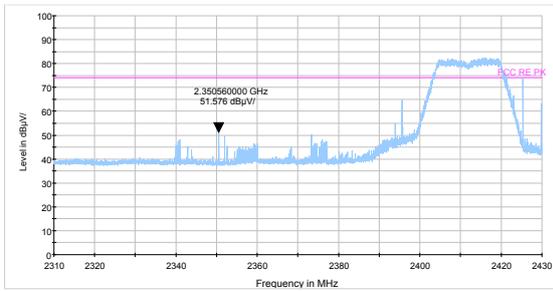
802.11b-Channel 11: Peak



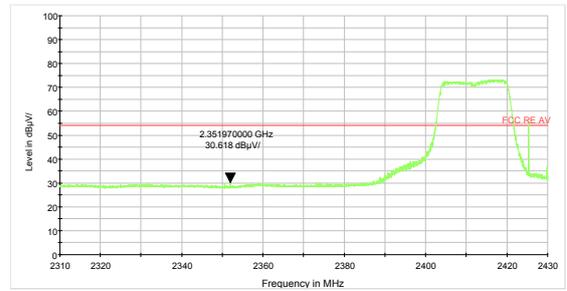
802.11b-Channel 11: Average



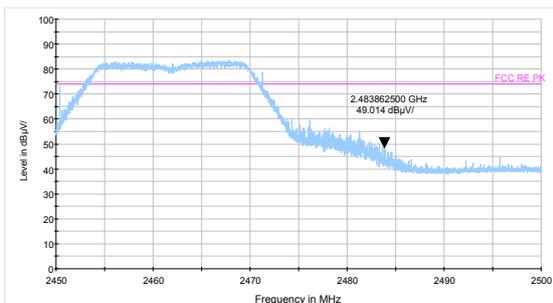
802.11g-Channel 1: Peak



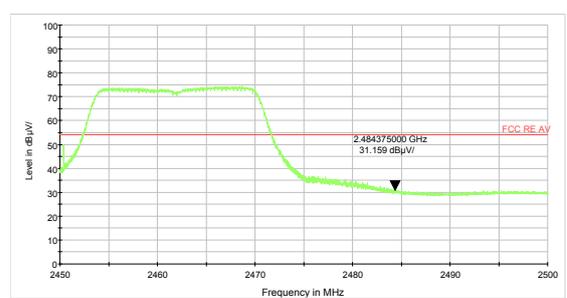
802.11g-Channel 1: Average



802.11g-Channel 11: Peak

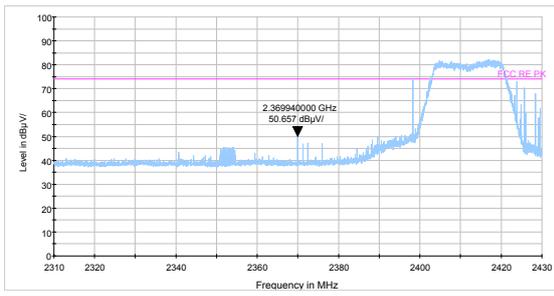


802.11g-Channel 11: Average

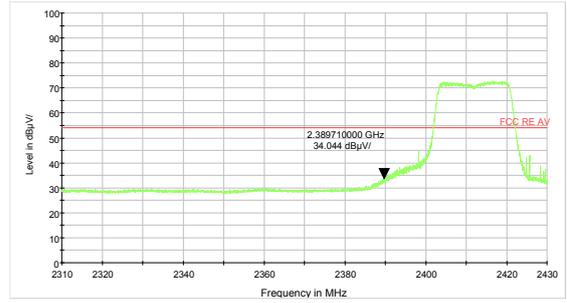




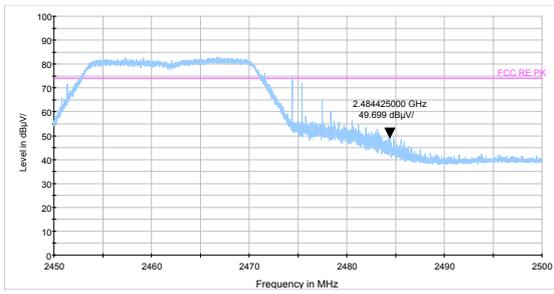
802.11n HT20 -Channel 1: Peak



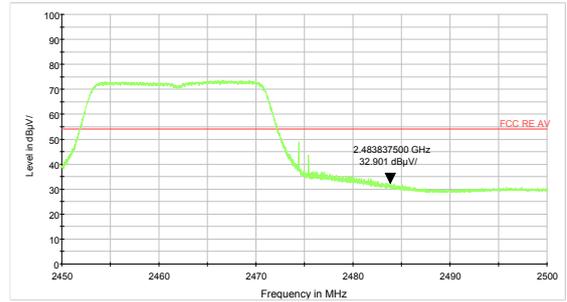
802.11n HT20-Channel 1: Average



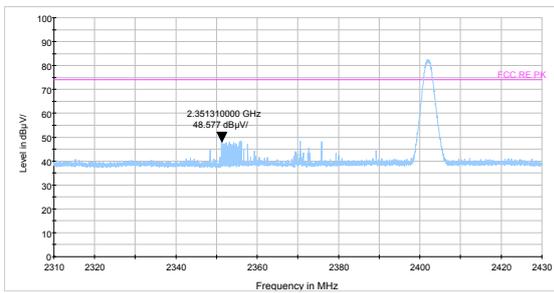
802.11n HT20-Channel 11: Peak



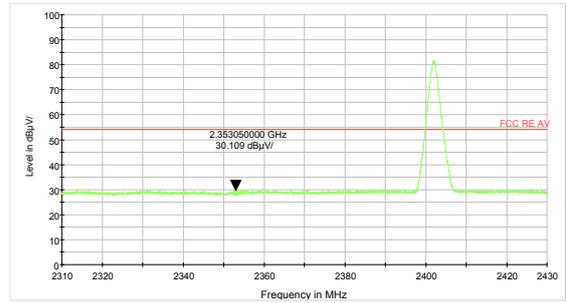
802.11n HT20-Channel 11: Average



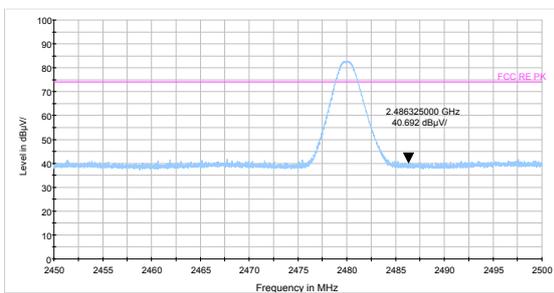
BLE -Channel 0: Peak



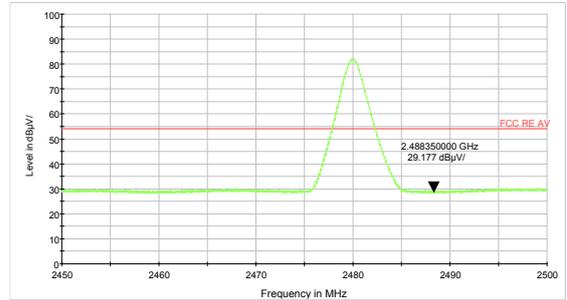
BLE -Channel 0: Average



BLE -Channel 39: Peak



BLE -Channel 39: Average



5.7. Radiates 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 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.

During the test, below 30MHz, the center of the loop shall be 1 meters; above 30MHz, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.

Set the spectrum analyzer in the following:

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

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

Above 1GHz (detector: Peak):

(a) PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO

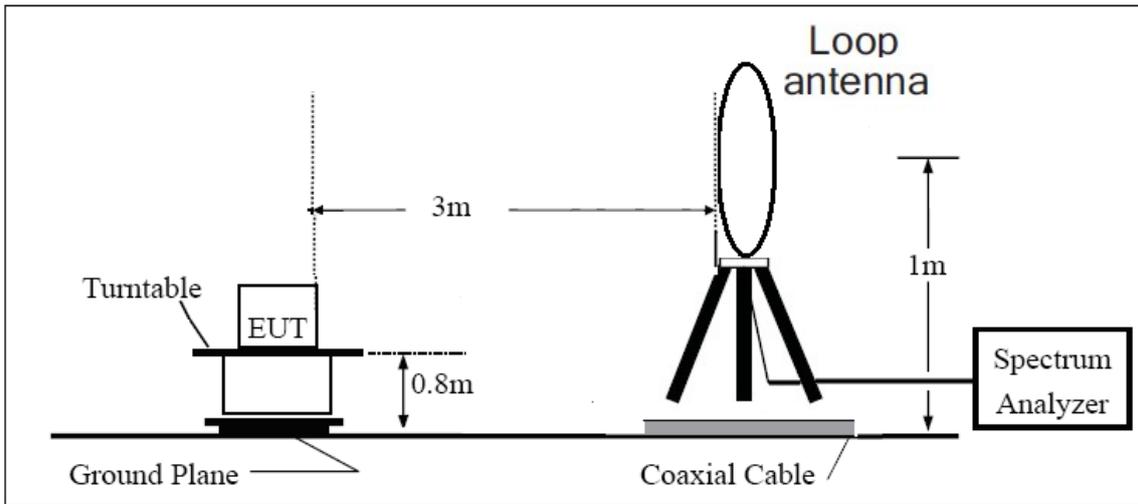
(b) AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO

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

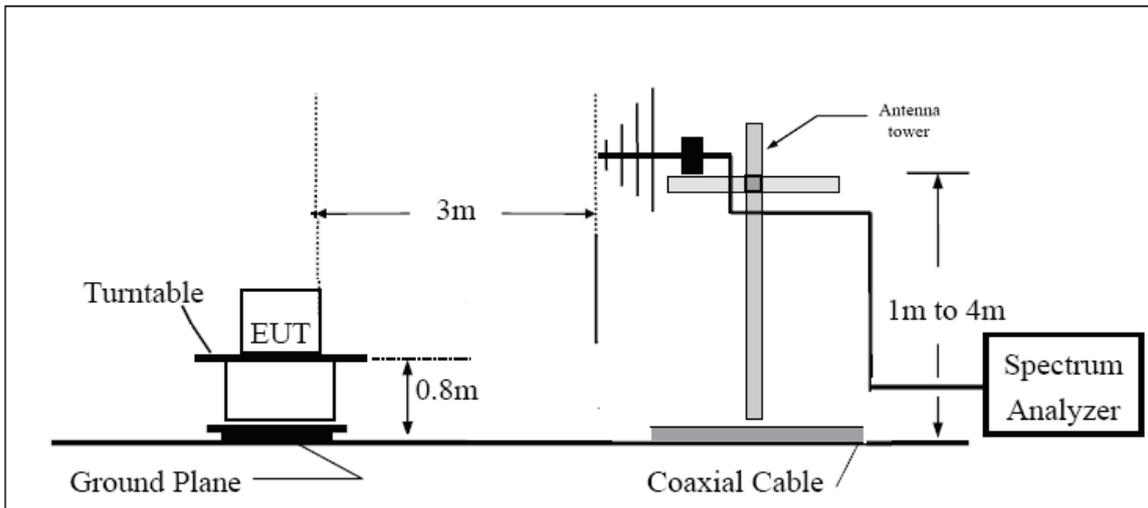
The test is in transmitting mode.

Test setup

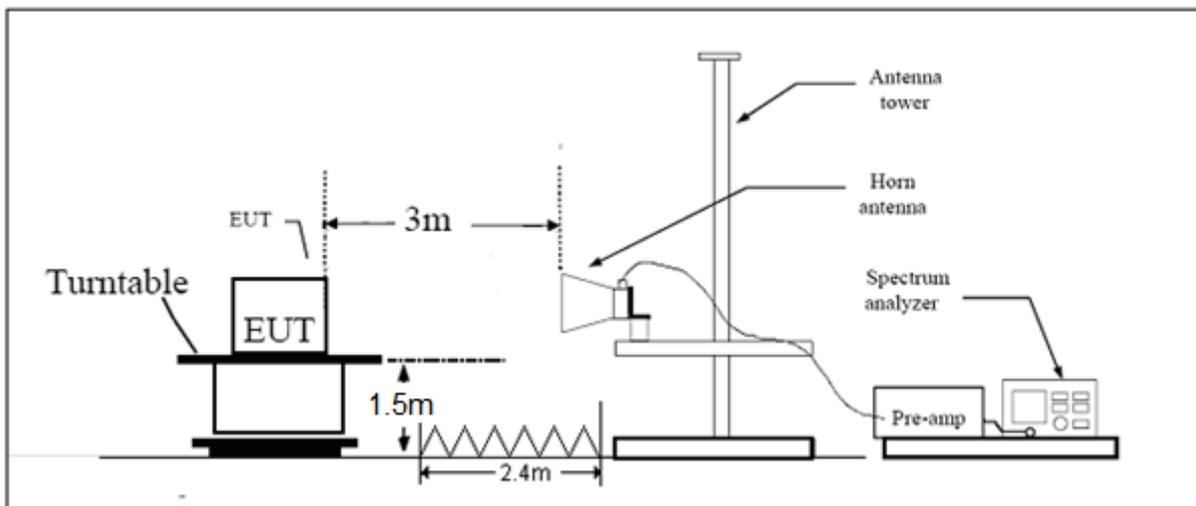
9KHz~~~ 30MHz



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.

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 result

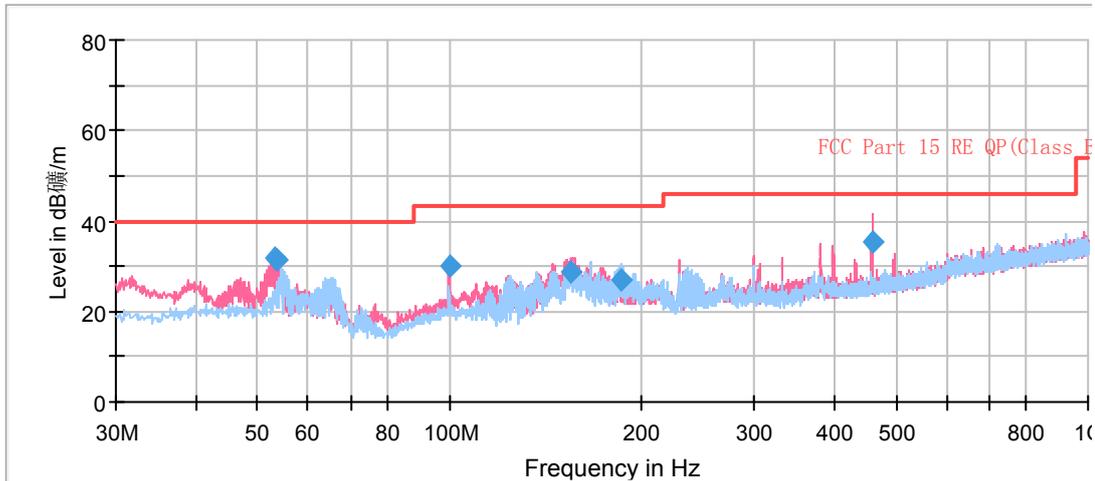
Sweep from 9 kHz to 30MHz, and the emissions more than 20 dB below the permissible value are not reported.

The messy code (dB_{μV/m}) including in the following graphs mean dBuV/m.

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.

802.11b CH1



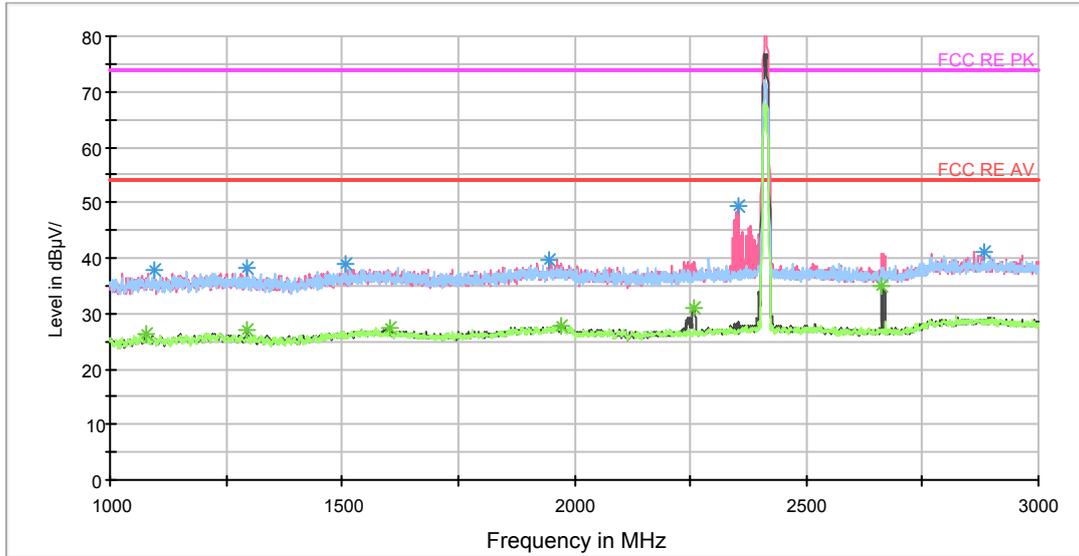
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.323750	31.7	100.0	V	94.0	44.5	-12.8	8.3	40.0
53.687500	31.3	100.0	V	89.0	44.1	-12.8	8.7	40.0
99.758750	30.0	100.0	V	22.0	43.2	-13.2	13.5	43.5
155.171250	28.6	100.0	V	286.0	38.0	-9.4	14.9	43.5
185.200000	26.8	114.0	H	43.0	37.9	-11.1	16.7	43.5
458.377500	35.2	100.0	V	0.0	54.2	-19.0	10.8	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1080.000000	36.1	100.0	H	0.0	47.2	-11.1	37.9	74
1294.000000	36.7	100.0	V	167.0	46.8	-10.1	37.3	74
1601.500000	36.5	100.0	V	39.0	45.5	-9.0	37.5	74
1973.000000	37.3	100.0	H	189.0	45.2	-7.9	36.7	74
2662.500000	40.4	100.0	V	74.0	45.0	-4.6	33.6	74
2256.500000	39.0	100.0	V	340.0	45.3	-6.3	35.0	74

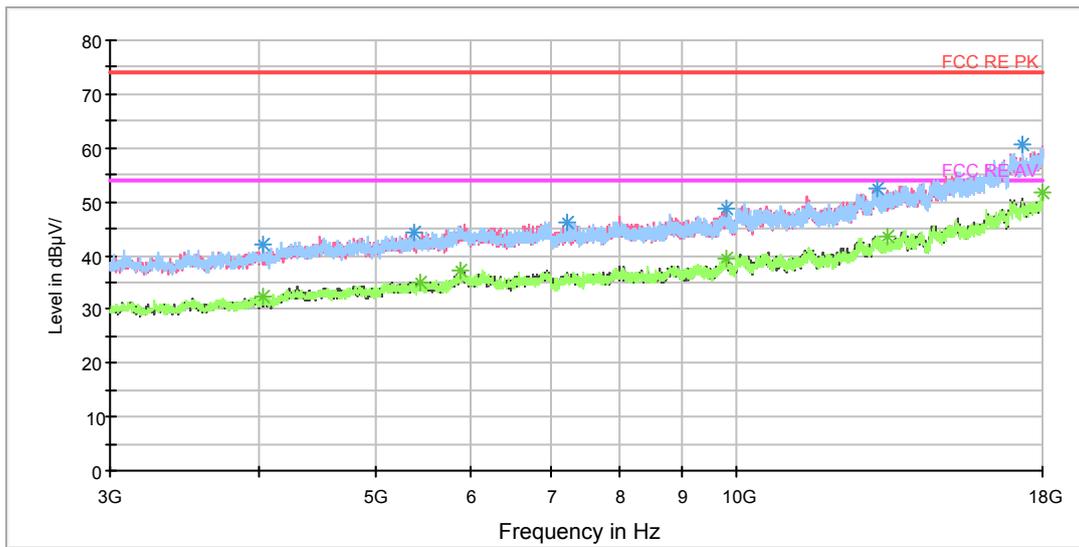
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1080.000000	26.3	100.0	H	0.0	37.4	-11.1	27.7	54
1294.000000	27.0	100.0	V	167.0	37.1	-10.1	27.0	54
1601.500000	27.3	100.0	V	39.0	36.3	-9.0	26.7	54
1973.000000	27.8	100.0	H	189.0	35.7	-7.9	26.2	54
2662.500000	34.8	100.0	V	74.0	39.4	-4.6	19.2	54
2256.500000	30.8	100.0	V	340.0	37.1	-6.3	23.2	54

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



RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

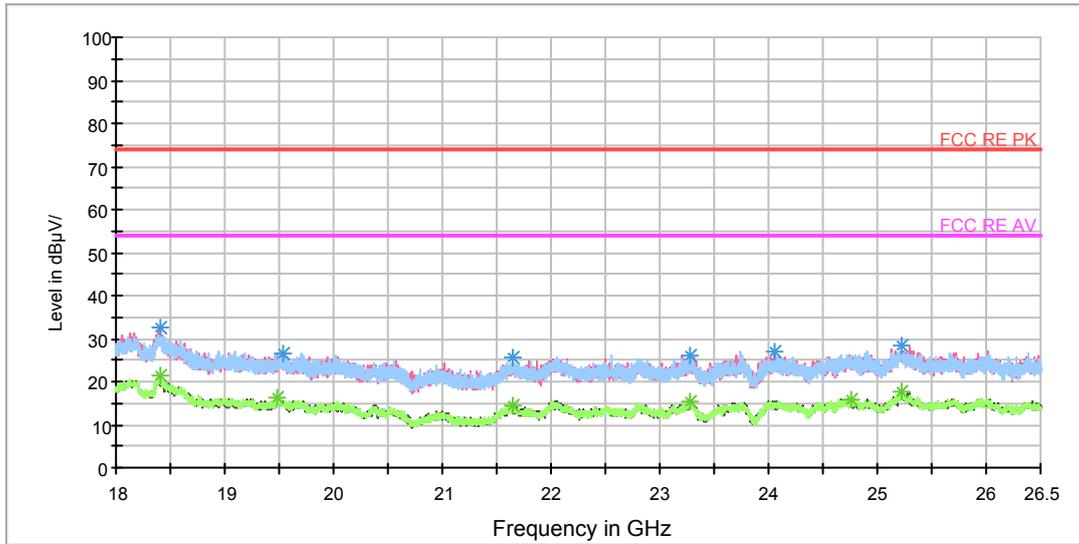
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4021.875000	42.1	101.0	H	240.0	42.6	-0.5	31.9	74
5371.875000	44.2	101.0	H	27.0	47.9	-3.7	29.8	74
7216.875000	46.2	101.0	V	327.0	54.9	-8.7	27.8	74
9813.750000	48.9	101.0	V	0.0	61.0	-12.1	25.1	74
13091.250000	52.5	101.0	V	216.0	68.7	-16.2	21.5	74
17295.000000	60.5	101.0	V	0.0	84.1	-23.6	13.5	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)
4031.250000	32.5	101.0	V	339.0	33.1	-0.6	21.5	54
5439.375000	35.2	101.0	H	139.0	39.0	-3.8	18.8	54
5891.250000	37.3	101.0	V	339.0	43.4	-6.1	16.7	54
9795.000000	39.5	101.0	V	48.0	51.7	-12.2	14.5	54
13344.375000	43.6	101.0	V	0.0	59.3	-15.7	10.4	54
17996.250000	51.7	101.0	H	3.0	77.1	-25.4	2.3	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18398.437500	32.3	V	0.0	37.2	-4.9	41.7	74
19536.375000	26.6	V	0.0	34.0	-7.4	47.4	74
21644.375000	25.6	H	0.0	34.7	-9.1	48.4	74
23279.562500	26.2	H	0.0	33.3	-7.1	47.8	74
24050.937500	27.1	V	0.0	34.9	-7.8	46.9	74
25225.000000	28.3	H	0.0	34.2	-5.9	45.7	74

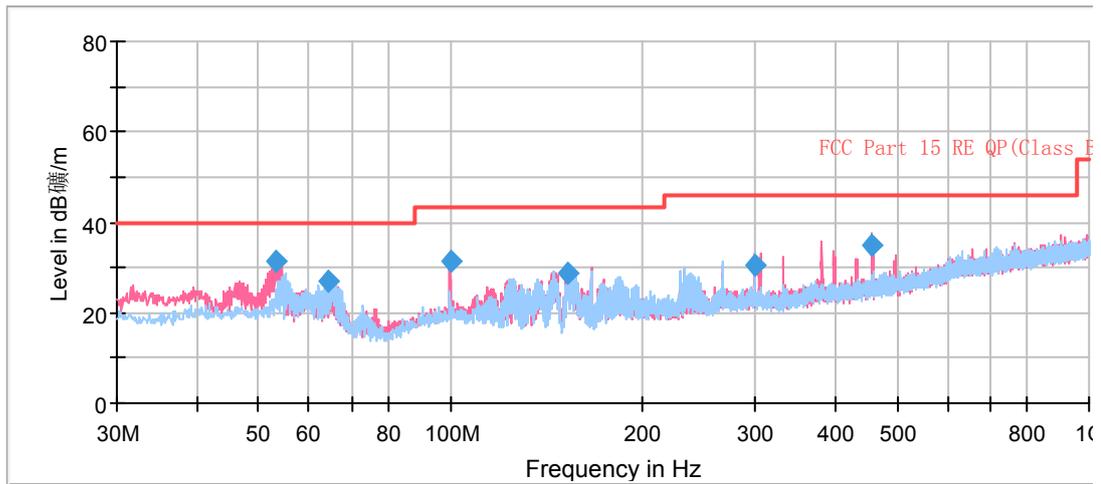
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18398.437500	21.4	V	0.0	26.3	-4.9	32.6	54
19484.312500	16.3	V	0.0	24.0	-7.7	37.7	54
21651.812500	14.6	H	0.0	23.8	-9.2	39.4	54
23287.000000	15.6	V	0.0	22.7	-7.1	38.4	54
24753.250000	16.0	V	0.0	22.7	-6.7	38.0	54
25228.187500	17.7	V	0.0	23.6	-5.9	36.3	54

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



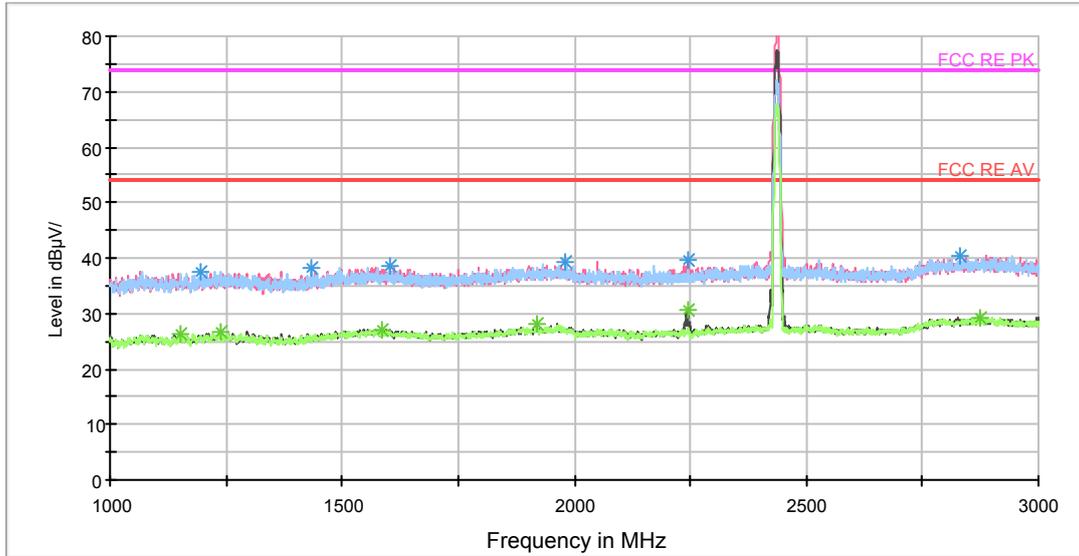
802.11b CH6



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.320000	31.6	100.0	V	89.0	44.4	-12.8	8.4	40.0
64.431250	26.8	125.0	H	33.0	37.6	-10.8	13.2	40.0
99.756250	31.4	100.0	V	24.0	44.6	-13.2	12.1	43.5
152.223750	28.7	100.0	V	303.0	38.0	-9.3	14.8	43.5
299.296250	30.7	100.0	H	125.0	46.1	-15.4	15.3	46.0
456.638750	35.0	100.0	V	0.0	54.0	-19.0	11.0	46.0

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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

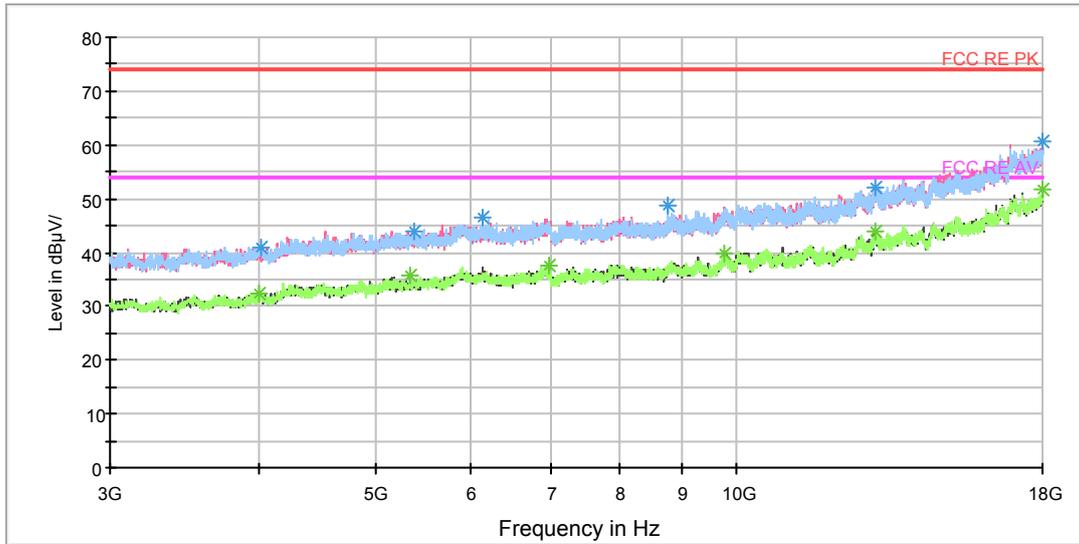
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1151.500000	35.7	100.0	H	94.0	46.5	-10.8	38.3	74
1236.500000	36.3	100.0	V	312.0	46.8	-10.5	37.7	74
1585.000000	38.0	100.0	V	142.0	47.0	-9.0	36.0	74
1919.500000	37.8	100.0	V	348.0	45.9	-8.1	36.2	74
2875.500000	38.3	100.0	V	168.0	42.5	-4.2	35.7	74
2243.000000	39.0	100.0	V	340.0	45.4	-6.4	35.0	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1151.500000	26.3	100.0	H	94.0	37.1	-10.8	27.7	54
1236.500000	26.7	100.0	V	312.0	37.2	-10.5	27.3	54
1585.000000	27.2	100.0	V	142.0	36.2	-9.0	26.8	54
1919.500000	28.3	100.0	V	348.0	36.4	-8.1	25.7	54
2875.500000	29.3	100.0	V	168.0	33.5	-4.2	24.7	54
2243.000000	30.6	100.0	V	340.0	37.0	-6.4	23.4	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

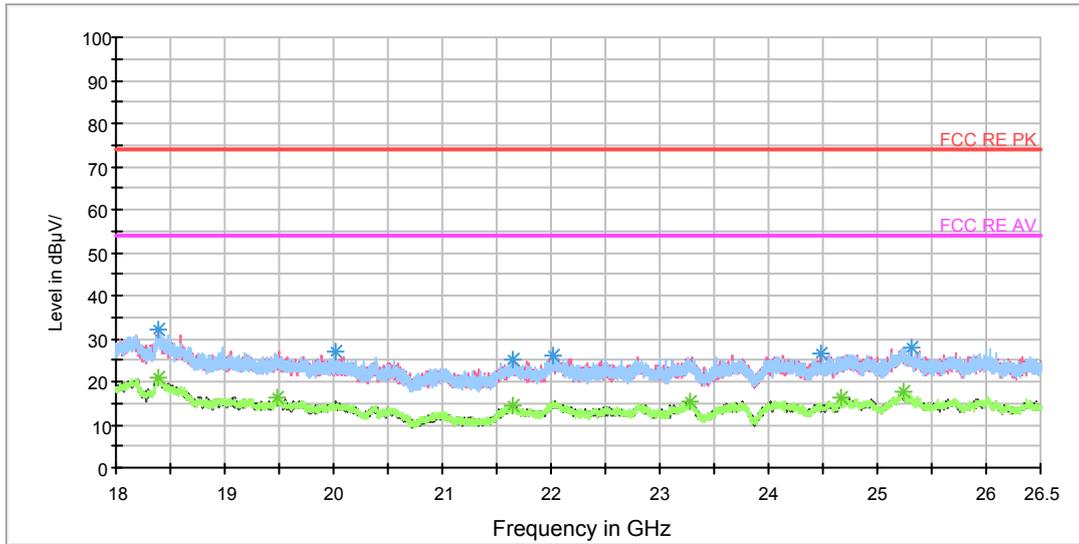
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4008.750000	41.0	101.0	H	82.0	41.5	-0.5	33.0	74
5386.875000	44.0	101.0	V	104.0	47.7	-3.7	30.0	74
6148.125000	46.3	101.0	V	181.0	52.3	-6.0	27.7	74
8767.500000	48.8	101.0	H	69.0	57.9	-9.1	25.2	74
13072.500000	52.3	101.0	V	341.0	68.5	-16.2	21.7	74
17996.250000	60.6	101.0	H	298.0	86.0	-25.4	13.4	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)
3988.125000	32.4	101.0	V	47.0	32.8	-0.4	21.6	54
5340.000000	35.6	101.0	H	107.0	39.4	-3.8	18.4	54
6969.375000	37.7	101.0	V	0.0	44.3	-6.6	16.3	54
9781.875000	39.9	101.0	H	58.0	52.0	-12.1	14.1	54
13040.625000	43.9	101.0	V	354.0	60.1	-16.2	10.1	54
17994.375000	51.7	101.0	H	35.0	77.0	-25.3	2.3	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

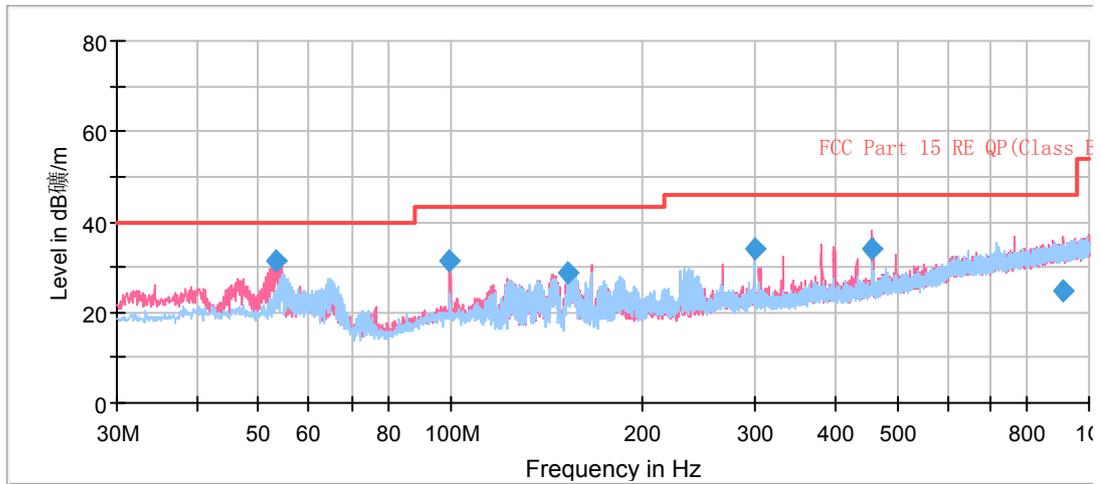
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18394.187500	32.2	V	0.0	37.1	-4.9	41.8	74
20024.062500	27.2	H	0.0	35.1	-7.9	46.8	74
21643.312500	25.1	H	0.0	34.2	-9.1	48.9	74
22025.812500	25.8	V	0.0	33.7	-7.9	48.2	74
24487.625000	26.4	V	0.0	34.4	-8.0	47.6	74
25305.750000	27.9	H	0.0	34.5	-6.6	46.1	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18389.937500	21.1	V	0.0	26.0	-4.9	32.9	54
19490.687500	16.1	H	0.0	23.7	-7.6	37.9	54
21642.250000	14.3	V	0.0	23.4	-9.1	39.7	54
23274.250000	15.4	V	0.0	22.6	-7.2	38.6	54
24659.750000	16.2	H	0.0	23.2	-7.0	37.8	54
25237.750000	17.4	V	0.0	23.5	-6.1	36.6	54

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

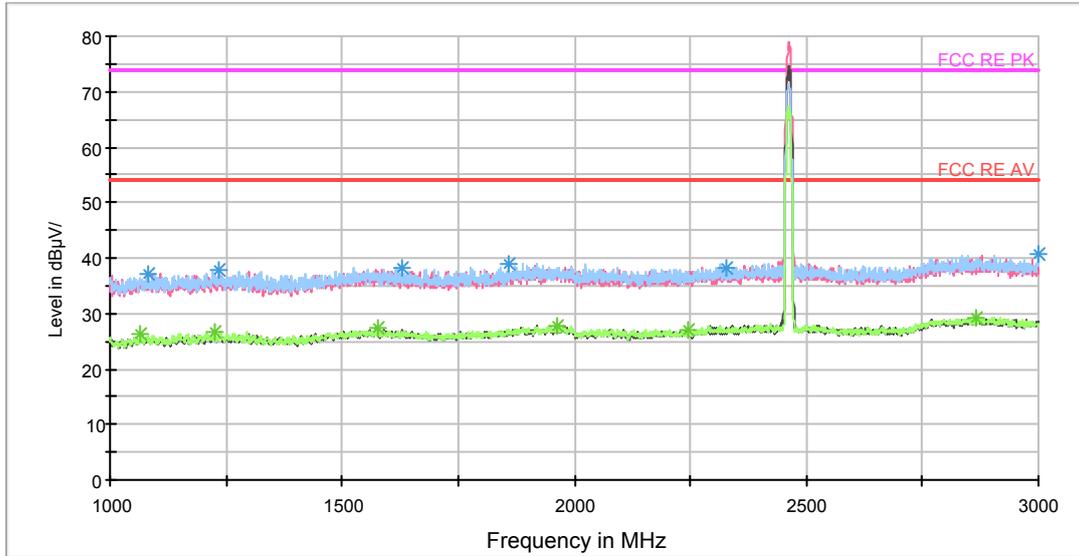
802.11b CH11



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.323750	31.2	100.0	V	96.0	44.0	-12.8	8.8	40.0
99.597500	31.6	100.0	V	23.0	44.8	-13.2	11.9	43.5
152.220000	28.8	100.0	V	296.0	38.1	-9.3	14.7	43.5
298.770000	33.9	125.0	V	27.0	49.3	-15.4	12.1	46.0
456.685000	34.2	100.0	V	0.0	53.2	-19.0	11.8	46.0
907.563750	24.7	113.0	V	339.0	50.4	-25.7	21.3	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

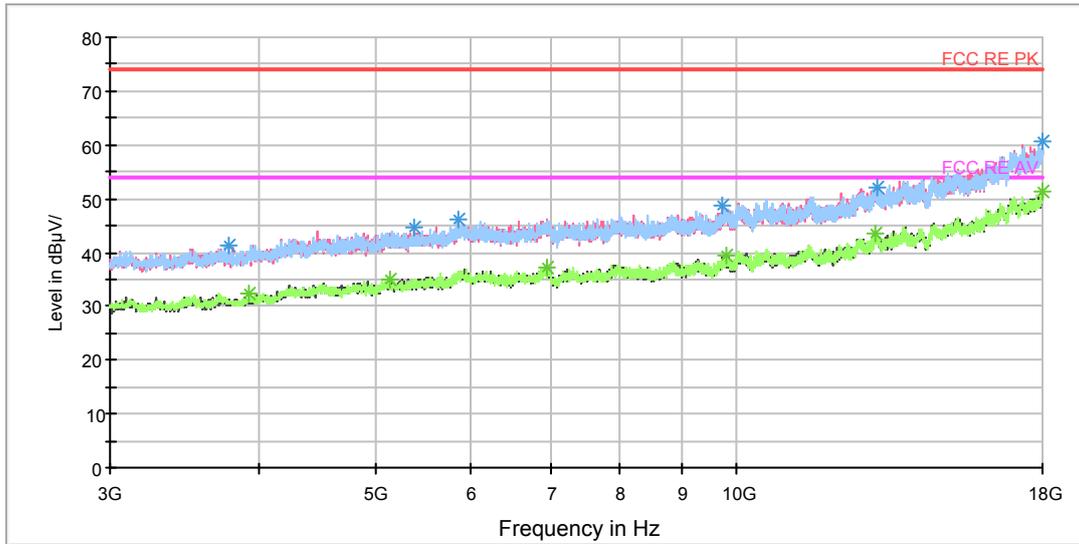
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1066.500000	35.4	100.0	H	0.0	46.5	-11.1	38.6	74
1224.000000	36.4	100.0	H	132.0	46.9	-10.5	37.6	74
1575.000000	36.5	100.0	H	91.0	45.6	-9.1	37.5	74
1964.500000	37.1	100.0	H	4.0	45.0	-7.9	36.9	74
2867.000000	38.8	100.0	H	276.0	43.0	-4.2	35.2	74
2245.000000	36.0	100.0	V	0.0	42.3	-6.3	38.0	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1066.500000	26.2	100.0	H	0.0	37.3	-11.1	27.8	54
1224.000000	26.6	100.0	H	132.0	37.1	-10.5	27.4	54
1575.000000	27.2	100.0	H	91.0	36.3	-9.1	26.8	54
1964.500000	27.8	100.0	H	4.0	35.7	-7.9	26.2	54
2867.000000	29.3	100.0	H	276.0	33.5	-4.2	24.7	54
2245.000000	27.1	100.0	V	0.0	33.4	-6.3	26.9	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

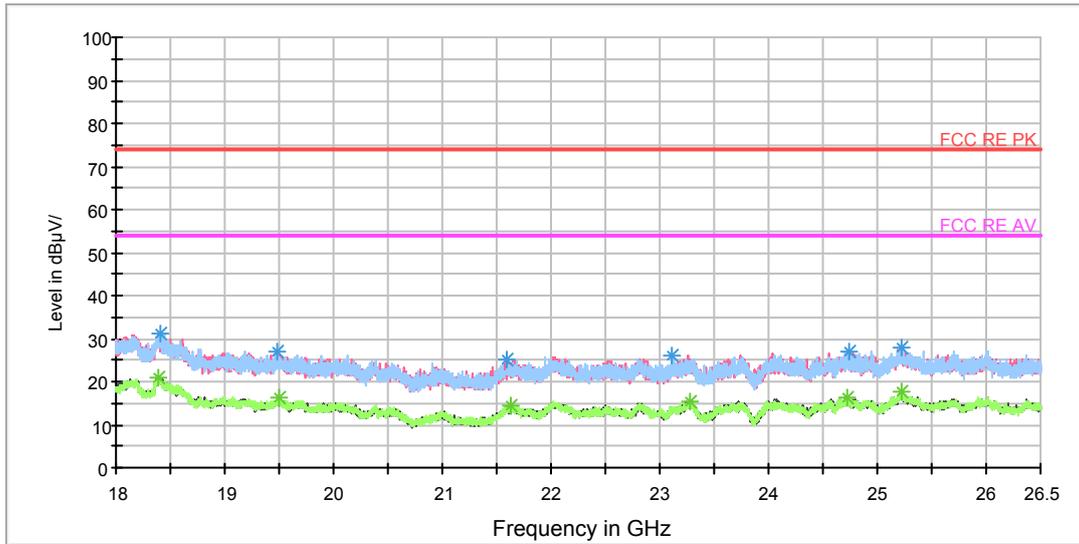
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3768.750000	41.5	101.0	H	53.0	41.9	-0.4	32.5	74
5388.750000	44.8	101.0	V	33.0	48.5	-3.7	29.2	74
5851.875000	46.1	101.0	V	90.0	51.7	-5.6	27.9	74
9746.250000	48.6	101.0	V	333.0	60.2	-11.6	25.4	74
13083.750000	52.2	101.0	H	231.0	68.4	-16.2	21.8	74
17998.125000	60.5	101.0	H	312.0	85.9	-25.4	13.5	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)
3915.000000	32.5	101.0	H	219.0	32.6	-0.1	21.5	54
5133.750000	35.2	101.0	H	181.0	38.8	-3.6	18.8	54
6941.250000	37.3	101.0	H	40.0	44.0	-6.7	16.7	54
9810.000000	39.6	101.0	V	270.0	51.8	-12.2	14.4	54
13059.375000	43.6	101.0	H	244.0	59.8	-16.2	10.4	54
17985.000000	51.3	101.0	H	181.0	76.5	-25.2	2.7	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18402.687500	31.0	V	0.0	35.9	-4.9	43.0	74
19489.625000	26.9	V	0.0	34.5	-7.6	47.1	74
21590.187500	25.1	H	0.0	33.8	-8.7	48.9	74
23106.375000	26.2	H	0.0	34.3	-8.1	47.8	74
24734.125000	27.0	V	0.0	33.3	-6.3	47.0	74
25225.000000	28.1	H	0.0	34.0	-5.9	45.9	74

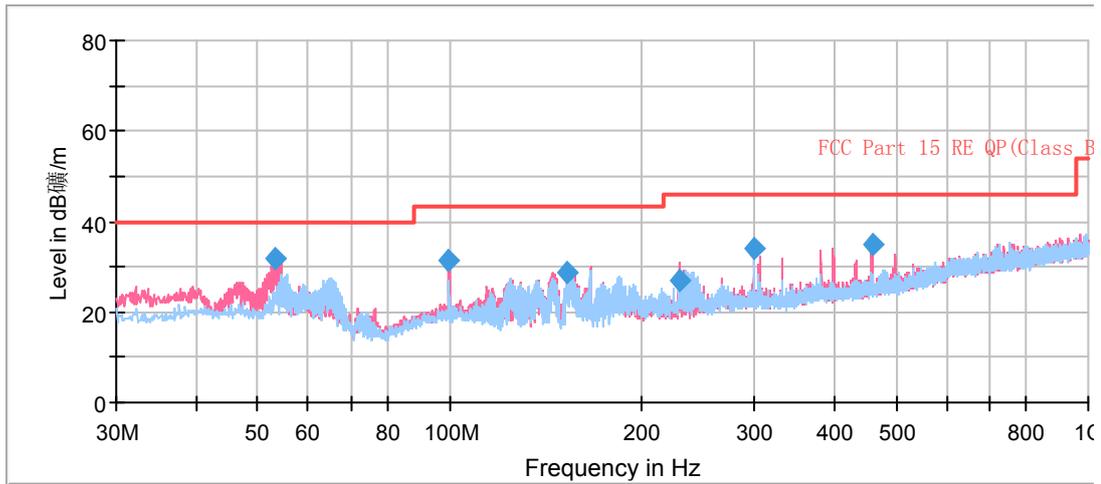
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18387.812500	20.9	V	0.0	25.8	-4.9	33.1	54
19497.062500	16.3	V	0.0	23.8	-7.5	37.7	54
21630.562500	14.4	V	0.0	23.5	-9.1	39.6	54
23270.000000	15.5	H	0.0	22.7	-7.2	38.5	54
24719.250000	16.1	H	0.0	22.4	-6.3	37.9	54
25220.750000	17.9	H	0.0	23.9	-6.0	36.1	54

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



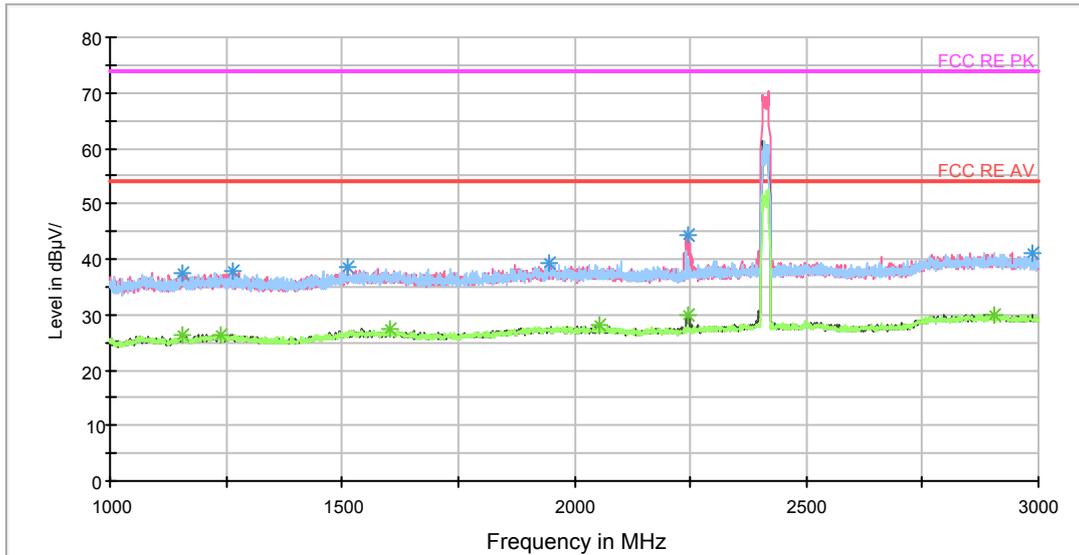
802.11g CH1



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.323750	31.8	100.0	V	89.0	44.6	-12.8	8.2	40.0
99.597500	31.4	100.0	V	20.0	44.6	-13.2	12.1	43.5
152.223750	28.7	100.0	V	301.0	38.0	-9.3	14.8	43.5
229.173750	27.0	125.0	V	22.0	40.2	-13.2	19.0	46.0
298.770000	33.9	125.0	V	30.0	49.3	-15.4	12.1	46.0
458.376250	34.9	100.0	V	0.0	53.9	-19.0	11.1	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1155.500000	37.4	100.0	V	326.0	48.2	-10.8	36.6	74
1238.000000	36.5	100.0	H	263.0	47.0	-10.5	37.5	74
1601.000000	36.6	100.0	V	349.0	45.6	-9.0	37.4	74
2056.000000	37.5	100.0	V	222.0	44.9	-7.4	36.5	74
2243.500000	43.2	100.0	V	60.0	49.6	-6.4	30.8	74
2903.500000	39.9	100.0	V	288.0	44.1	-4.2	34.1	74

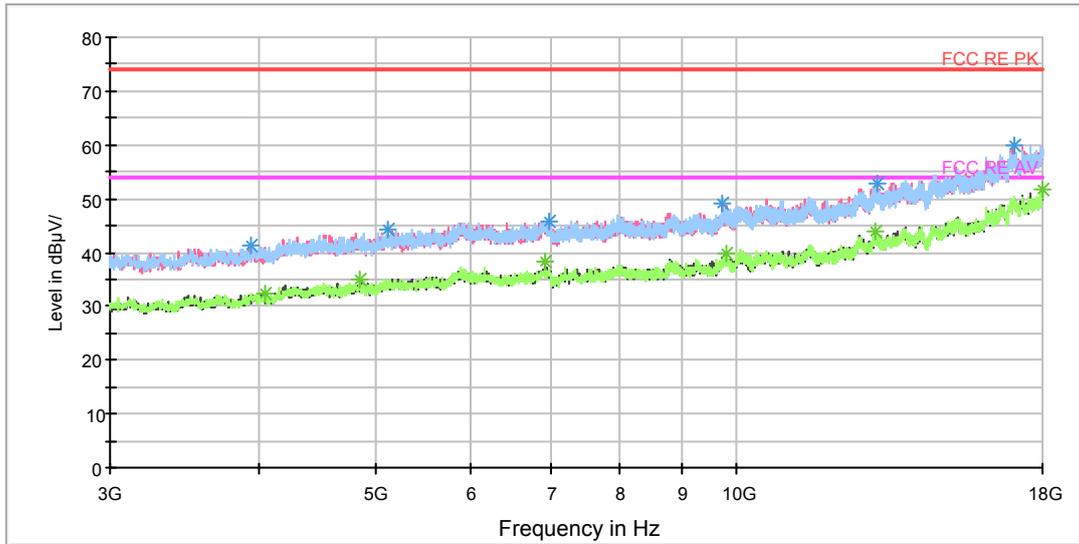
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1155.500000	26.3	100.0	V	326.0	37.1	-10.8	27.7	54
1238.000000	26.3	100.0	H	263.0	36.8	-10.5	27.7	54
1601.000000	27.3	100.0	V	349.0	36.3	-9.0	26.7	54
2056.000000	27.9	100.0	V	222.0	35.3	-7.4	26.1	54
2243.500000	29.8	100.0	V	60.0	36.2	-6.4	24.2	54
2903.500000	30.1	100.0	V	288.0	34.3	-4.2	23.9	54

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



RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

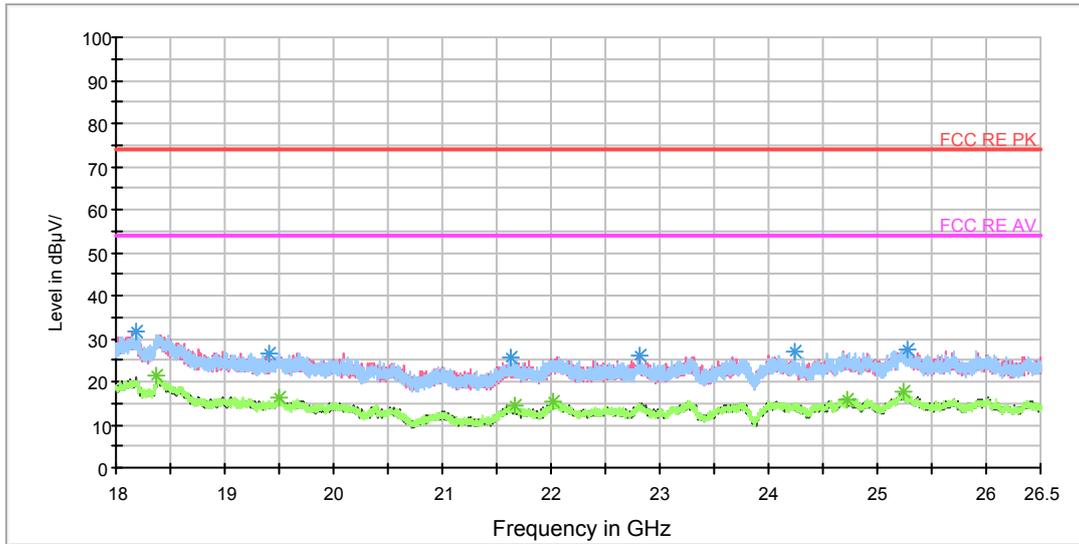
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3939.375000	41.4	101.0	H	0.0	41.5	-0.1	32.6	74
5118.750000	44.3	101.0	H	79.0	47.9	-3.6	29.7	74
6961.875000	45.8	101.0	H	66.0	52.4	-6.6	28.2	74
9712.500000	49.1	101.0	V	0.0	60.3	-11.2	24.9	74
13081.875000	52.7	101.0	V	219.0	68.9	-16.2	21.3	74
17066.250000	60.1	101.0	H	154.0	83.0	-22.9	13.9	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)
4036.875000	32.4	101.0	V	231.0	33.0	-0.6	21.6	54
4850.625000	35.1	101.0	H	117.0	38.0	-2.9	18.9	54
6913.125000	38.2	101.0	V	335.0	45.1	-6.9	15.8	54
9815.625000	39.9	101.0	V	103.0	52.0	-12.1	14.1	54
13038.750000	44.0	101.0	V	130.0	60.2	-16.2	10.0	54
17990.625000	51.5	101.0	V	310.0	76.8	-25.3	2.5	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18179.562500	31.5	V	0.0	36.4	-4.9	42.5	74
19401.437500	26.6	H	0.0	34.3	-7.7	47.4	74
21632.687500	25.5	V	0.0	34.6	-9.1	48.5	74
22816.312500	26.1	H	0.0	33.5	-7.4	47.9	74
24235.812500	27.2	H	0.0	34.6	-7.4	46.8	74
25280.250000	27.6	V	0.0	34.4	-6.8	46.4	74

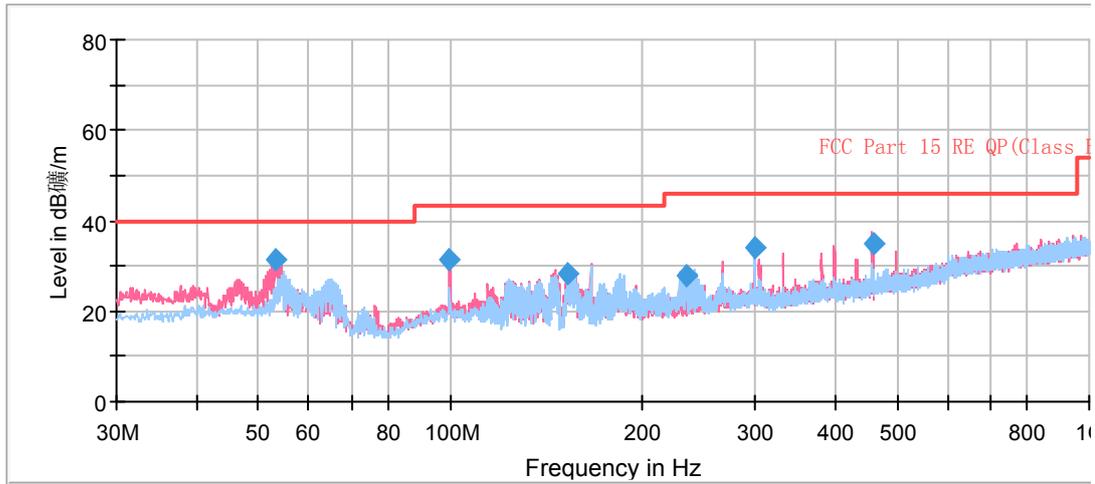
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18376.125000	21.2	H	0.0	25.9	-4.7	32.8	54
19505.562500	16.2	H	0.0	23.7	-7.5	37.8	54
21661.375000	14.4	V	0.0	23.6	-9.2	39.6	54
22021.562500	15.5	H	0.0	23.5	-8.0	38.5	54
24725.625000	16.0	V	0.0	22.2	-6.2	38.0	54
25232.437500	17.6	H	0.0	23.5	-5.9	36.4	54

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



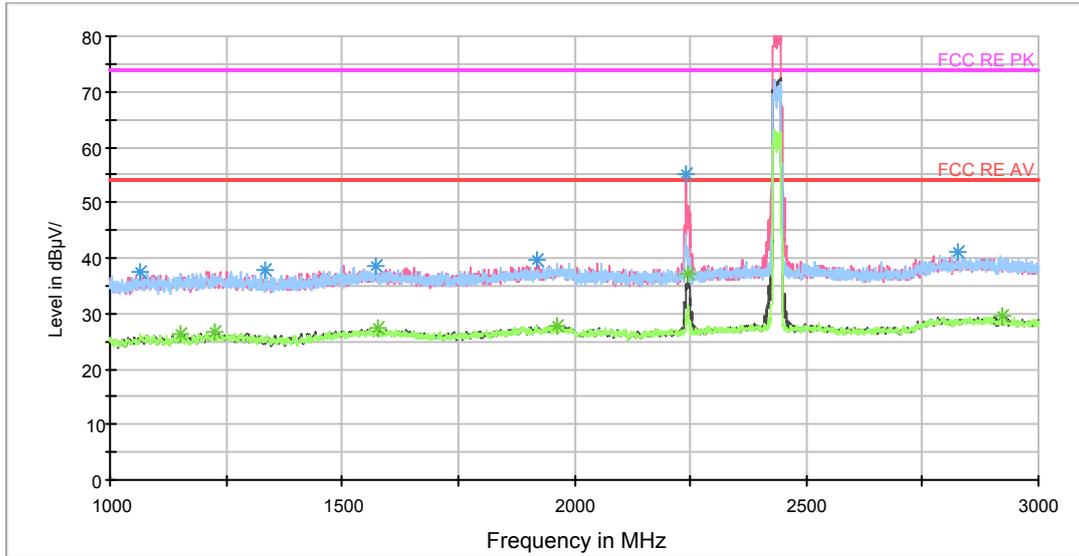
802.11g CH6



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.323750	31.4	100.0	V	84.0	44.2	-12.8	8.6	40.0
99.597500	31.3	100.0	V	27.0	44.5	-13.2	12.2	43.5
152.220000	28.5	100.0	V	302.0	37.8	-9.3	15.0	43.5
234.063750	28.0	125.0	H	51.0	41.4	-13.4	18.0	46.0
298.776250	34.2	125.0	V	27.0	49.6	-15.4	11.8	46.0
458.373750	35.0	100.0	V	0.0	54.0	-19.0	11.0	46.0

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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

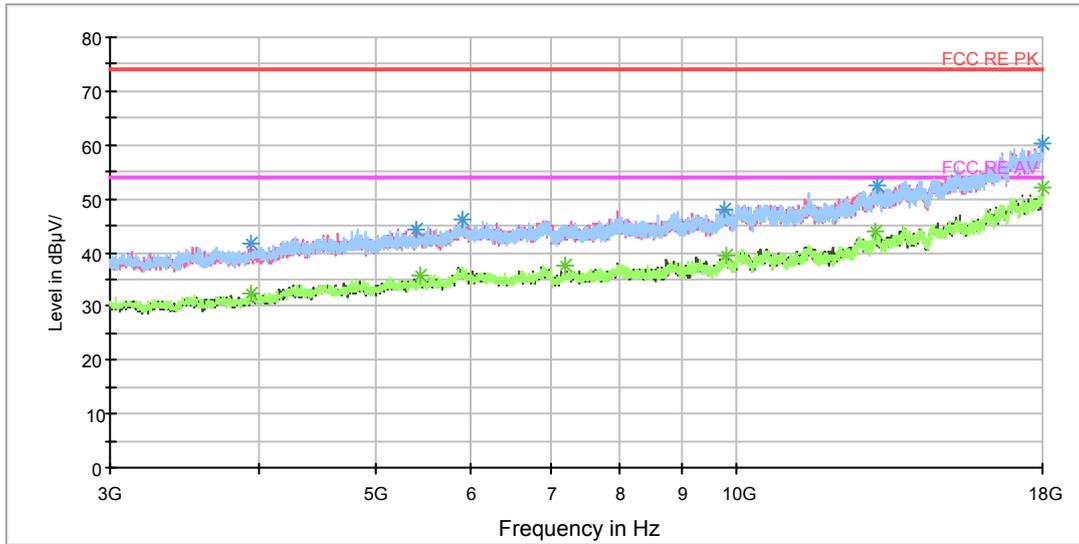
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1150.000000	35.5	100.0	H	10.0	46.3	-10.8	38.5	74
1224.000000	36.5	100.0	V	0.0	47.0	-10.5	37.5	74
1575.000000	36.2	100.0	H	108.0	45.3	-9.1	37.8	74
1962.000000	37.4	100.0	V	200.0	45.3	-7.9	36.6	74
2920.000000	39.4	100.0	H	158.0	43.6	-4.2	34.6	74
2244.500000	49.5	100.0	V	340.0	55.8	-6.3	24.5	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)
1150.000000	26.4	100.0	H	10.0	37.2	-10.8	27.6	54
1224.000000	26.7	100.0	V	0.0	37.2	-10.5	27.3	54
1575.000000	27.3	100.0	H	108.0	36.4	-9.1	26.7	54
1962.000000	27.7	100.0	V	200.0	35.6	-7.9	26.3	54
2920.000000	29.4	100.0	H	158.0	33.6	-4.2	24.6	54
2244.500000	36.9	100.0	V	340.0	43.2	-6.3	17.1	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

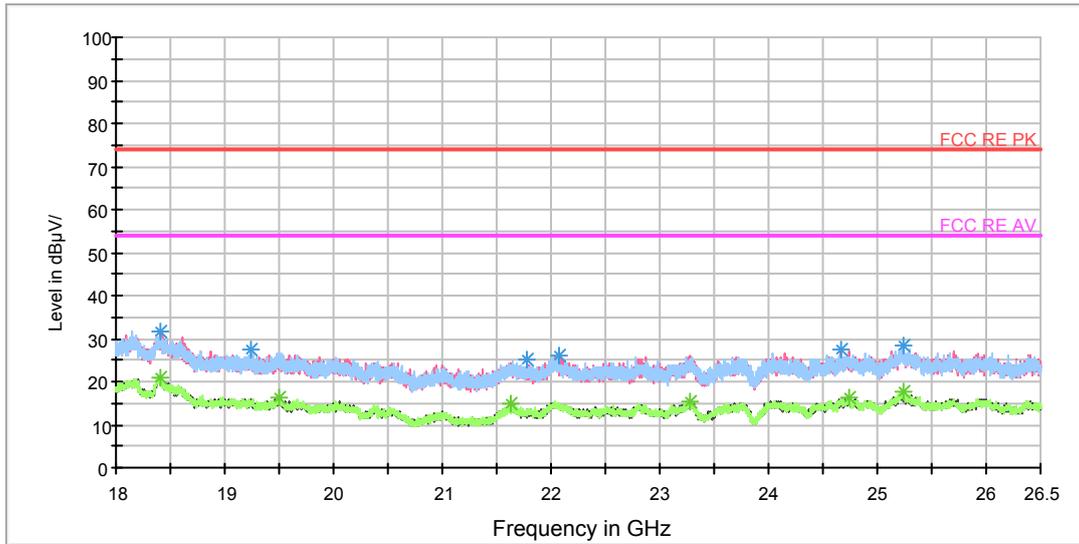
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3926.250000	41.7	101.0	V	295.0	41.7	-0.0	32.3	74
5405.625000	44.4	101.0	V	89.0	48.1	-3.7	29.6	74
5898.750000	46.2	101.0	H	42.0	52.3	-6.1	27.8	74
9751.875000	48.1	101.0	H	67.0	59.8	-11.7	25.9	74
13125.000000	52.5	101.0	V	307.0	68.4	-15.9	21.5	74
17996.250000	60.2	101.0	H	29.0	85.6	-25.4	13.8	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)
3931.875000	32.4	101.0	H	269.0	32.4	-0.0	21.6	54
5450.625000	35.6	101.0	H	42.0	39.5	-3.9	18.4	54
7200.000000	37.6	101.0	H	299.0	46.3	-8.7	16.4	54
9800.625000	39.6	101.0	H	116.0	51.9	-12.3	14.4	54
13076.250000	43.9	101.0	H	0.0	60.1	-16.2	10.1	54
17992.500000	52.2	101.0	V	89.0	77.5	-25.3	1.8	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

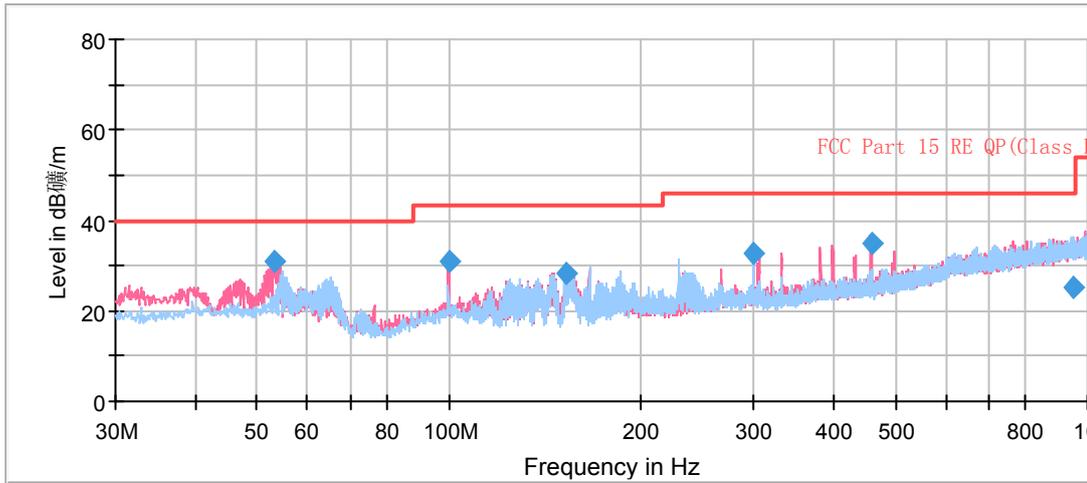
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18400.562500	31.6	V	0.0	36.5	-4.9	42.4	74
19234.625000	27.3	H	0.0	34.1	-6.8	46.7	74
21785.687500	24.9	V	0.0	34.0	-9.1	49.1	74
22068.312500	26.0	V	0.0	34.1	-8.1	48.0	74
24657.625000	27.2	V	0.0	34.2	-7.0	46.8	74
25233.500000	28.3	V	0.0	34.2	-5.9	45.7	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18398.437500	20.9	H	0.0	25.8	-4.9	33.1	54
19500.250000	16.5	H	0.0	24.0	-7.5	37.5	54
21638.000000	14.7	V	0.0	23.8	-9.1	39.3	54
23285.937500	15.2	V	0.0	22.3	-7.1	38.8	54
24736.250000	16.4	V	0.0	22.7	-6.3	37.6	54
25232.437500	17.5	V	0.0	23.4	-5.9	36.5	54

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

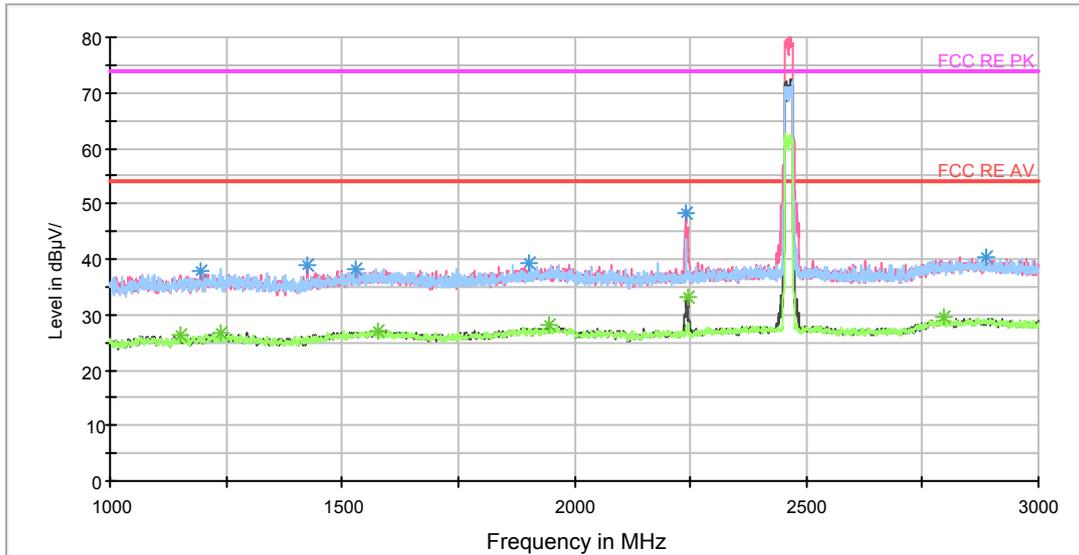
802.11g CH11



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.323750	31.0	100.0	V	87.0	43.8	-12.8	9.0	40.0
99.758750	31.0	100.0	V	24.0	44.2	-13.2	12.5	43.5
152.220000	28.5	100.0	V	306.0	37.8	-9.3	15.0	43.5
299.296250	32.8	125.0	V	0.0	48.2	-15.4	13.2	46.0
458.411250	34.9	100.0	V	0.0	53.9	-19.0	11.1	46.0
953.315000	25.2	100.0	V	221.0	51.2	-26.0	20.8	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

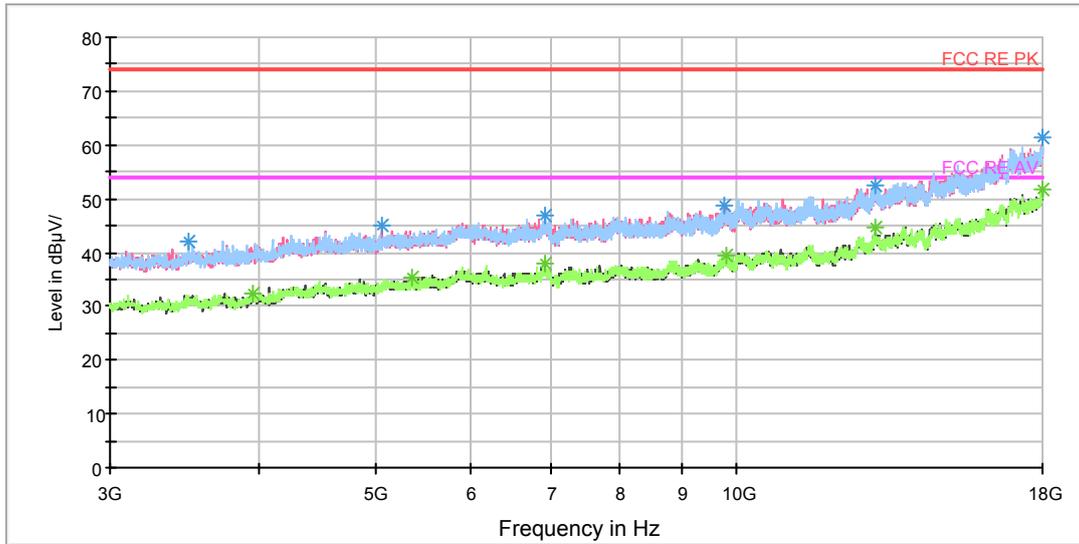
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1151.500000	35.8	100.0	H	14.0	46.6	-10.8	38.2	74
1236.500000	36.4	100.0	V	121.0	46.9	-10.5	37.6	74
1575.500000	37.0	100.0	V	353.0	46.1	-9.1	37.0	74
1944.000000	37.7	100.0	V	253.0	45.7	-8.0	36.3	74
2794.000000	38.6	100.0	V	156.0	42.8	-4.2	35.4	74
2244.500000	41.9	100.0	V	336.0	48.2	-6.3	32.1	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)
1151.500000	26.2	100.0	H	14.0	37.0	-10.8	27.8	54
1236.500000	26.6	100.0	V	121.0	37.1	-10.5	27.4	54
1575.500000	27.0	100.0	V	353.0	36.1	-9.1	27.0	54
1944.000000	27.9	100.0	V	253.0	35.9	-8.0	26.1	54
2794.000000	29.5	100.0	V	156.0	33.7	-4.2	24.5	54
2244.500000	33.1	100.0	V	336.0	39.4	-6.3	20.9	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

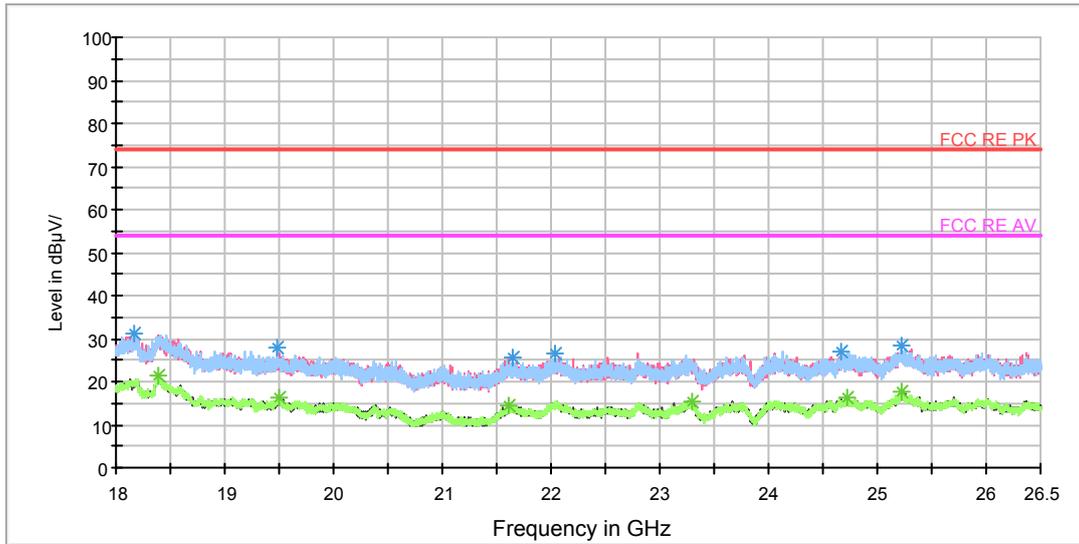
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3493.125000	42.1	101.0	H	0.0	42.7	-0.6	31.9	74
5053.125000	44.9	101.0	V	0.0	48.2	-3.3	29.1	74
6909.375000	46.7	101.0	H	355.0	53.6	-6.9	27.3	74
9783.750000	48.7	101.0	V	0.0	60.8	-12.1	25.3	74
13040.625000	52.6	101.0	H	7.0	68.8	-16.2	21.4	74
17998.125000	61.3	101.0	H	181.0	86.7	-25.4	12.7	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)
3950.625000	32.6	101.0	H	284.0	32.7	-0.1	21.4	54
5356.875000	35.2	101.0	H	93.0	38.9	-3.7	18.8	54
6928.125000	37.9	101.0	V	257.0	44.7	-6.8	16.1	54
9785.625000	39.4	101.0	H	0.0	51.5	-12.1	14.6	54
13066.875000	44.6	101.0	H	284.0	60.8	-16.2	9.4	54
17994.375000	51.9	101.0	V	181.0	77.2	-25.3	2.1	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18174.250000	31.2	H	0.0	36.2	-5.0	42.8	74
19488.562500	28.0	H	0.0	35.7	-7.7	46.0	74
21647.562500	25.6	V	0.0	34.8	-9.2	48.4	74
22039.625000	26.7	V	0.0	34.7	-8.0	47.3	74
24664.000000	27.1	H	0.0	34.2	-7.1	46.9	74
25216.500000	28.4	V	0.0	34.5	-6.1	45.6	74

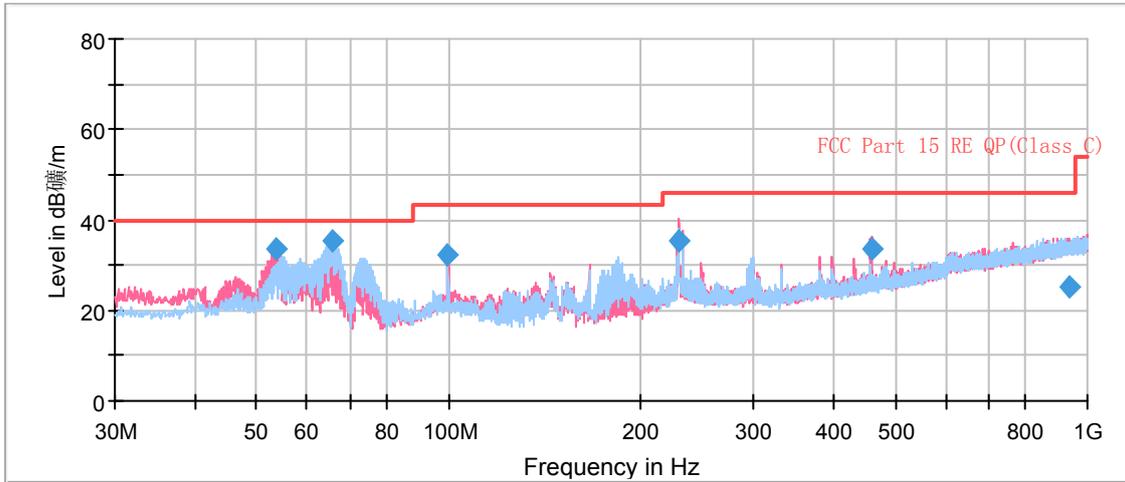
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18386.750000	21.3	V	0.0	26.1	-4.8	32.7	54
19501.312500	16.4	V	0.0	23.9	-7.5	37.6	54
21602.937500	14.4	V	0.0	23.2	-8.8	39.6	54
23288.062500	15.2	H	0.0	22.3	-7.1	38.8	54
24725.625000	16.1	H	0.0	22.3	-6.2	37.9	54
25219.687500	17.6	H	0.0	23.6	-6.0	36.4	54

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



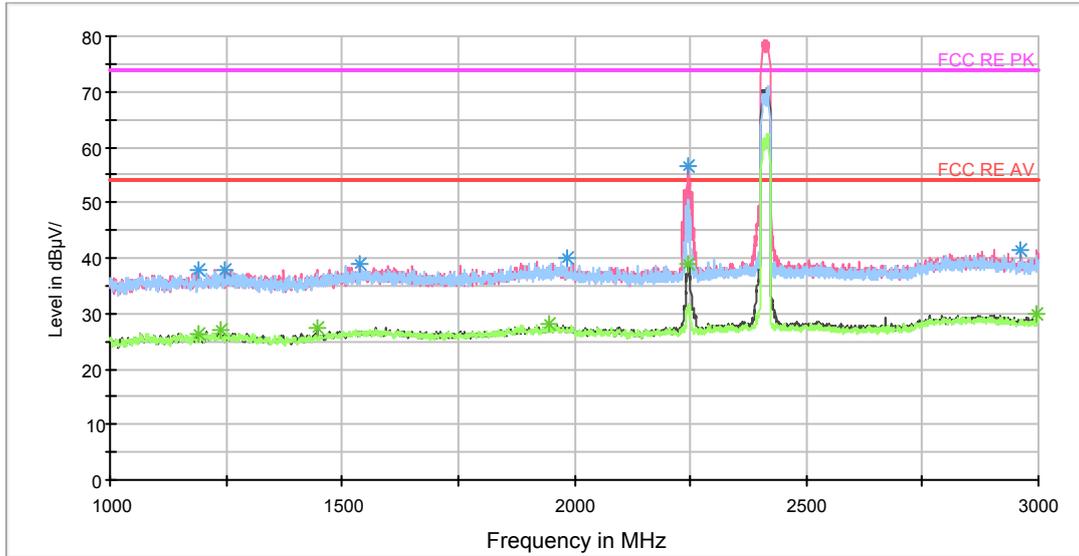
802.11n (HT20) CH1



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.720000	33.7	100.0	V	88.0	46.5	-12.8	6.3	40.0
65.562500	35.5	225.0	H	6.0	45.8	-10.3	4.5	40.0
99.598750	32.1	100.0	V	333.0	45.3	-13.2	11.4	43.5
229.173750	35.2	188.0	V	0.0	48.4	-13.2	10.8	46.0
458.376250	33.5	100.0	V	0.0	52.5	-19.0	12.5	46.0
934.806250	25.1	100.0	V	180.0	51.0	-25.9	20.9	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

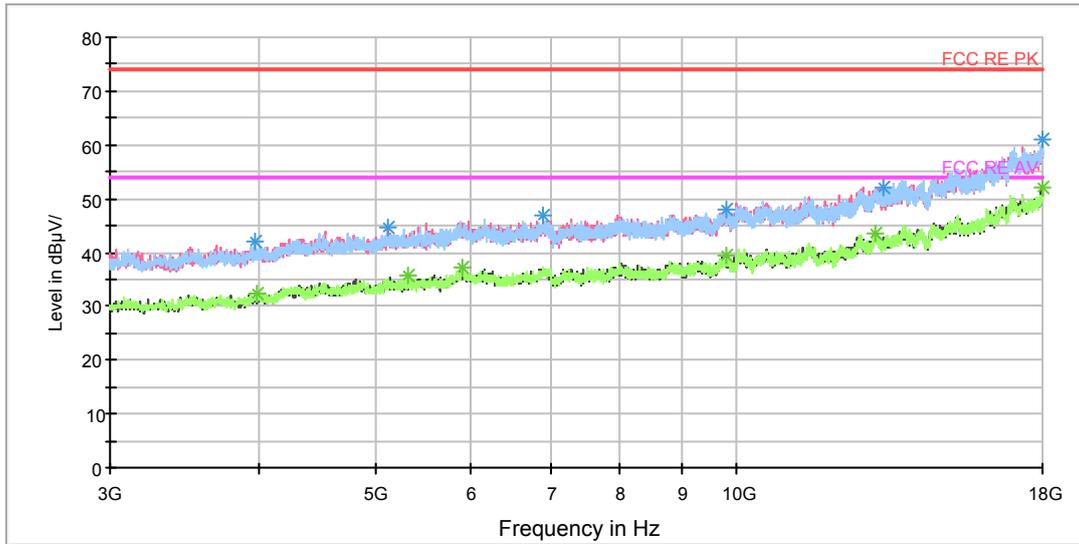
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1192.500000	36.3	100.0	V	252.0	47.0	-10.7	37.7	74
1238.000000	36.0	100.0	H	60.0	46.5	-10.5	38.0	74
1446.500000	37.7	100.0	V	157.0	47.4	-9.7	36.3	74
1944.500000	37.1	100.0	H	226.0	45.1	-8.0	36.9	74
2997.000000	38.8	100.0	V	80.0	42.8	-4.0	35.2	74
2245.000000	53.2	100.0	V	63.0	59.5	-6.3	20.8	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)
1192.500000	26.4	100.0	V	252.0	37.1	-10.7	27.6	54
1238.000000	26.9	100.0	H	60.0	37.4	-10.5	27.1	54
1446.500000	27.5	100.0	V	157.0	37.2	-9.7	26.5	54
1944.500000	28.1	100.0	H	226.0	36.1	-8.0	25.9	54
2997.000000	29.8	100.0	V	80.0	33.8	-4.0	24.2	54
2245.000000	38.8	100.0	V	63.0	45.1	-6.3	15.2	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

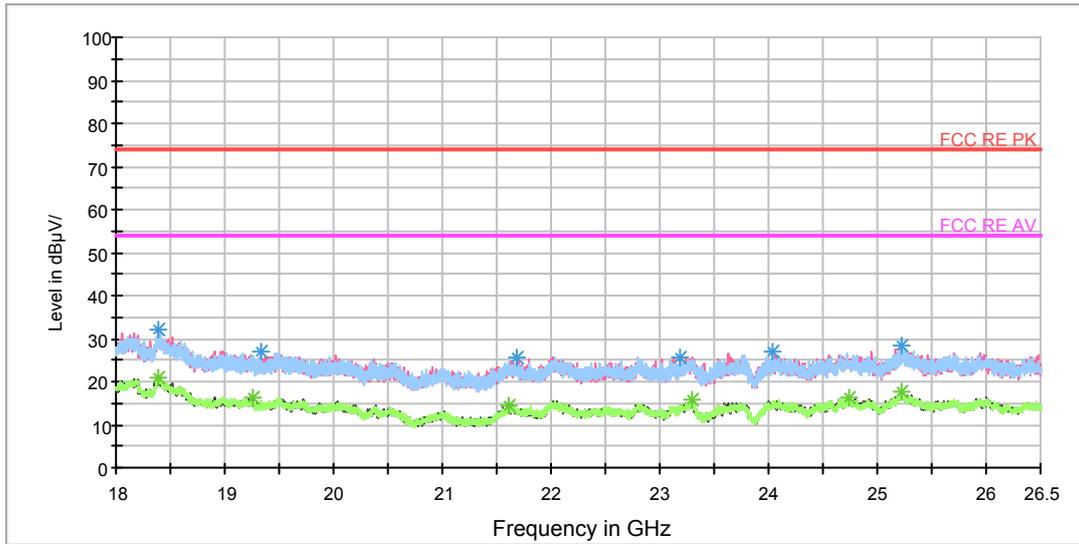
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3969.375000	42.1	101.0	H	315.0	42.4	-0.3	31.9	74
5124.375000	44.7	101.0	V	324.0	48.3	-3.6	29.3	74
6898.125000	47.0	101.0	V	150.0	54.0	-7.0	27.0	74
9785.625000	48.0	101.0	V	287.0	60.1	-12.1	26.0	74
13245.000000	52.2	101.0	V	324.0	67.4	-15.2	21.8	74
17992.500000	61.1	101.0	V	187.0	86.4	-25.3	12.9	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)
3978.750000	32.5	101.0	H	24.0	32.8	-0.3	21.5	54
5321.250000	35.6	101.0	H	49.0	39.4	-3.8	18.4	54
5895.000000	37.3	101.0	H	1.0	43.4	-6.1	16.7	54
9802.500000	39.3	101.0	V	0.0	51.6	-12.3	14.7	54
13061.250000	43.6	101.0	V	14.0	59.8	-16.2	10.4	54
17988.750000	52.0	101.0	V	98.0	77.3	-25.3	2.0	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18391.000000	32.1	V	0.0	37.0	-4.9	41.9	74
19333.437500	26.9	H	0.0	34.3	-7.4	47.1	74
21686.875000	25.7	V	0.0	35.1	-9.4	48.3	74
23192.437500	25.7	V	0.0	34.2	-8.5	48.3	74
24036.062500	27.0	H	0.0	34.9	-7.9	47.0	74
25226.062500	28.2	H	0.0	34.1	-5.9	45.8	74

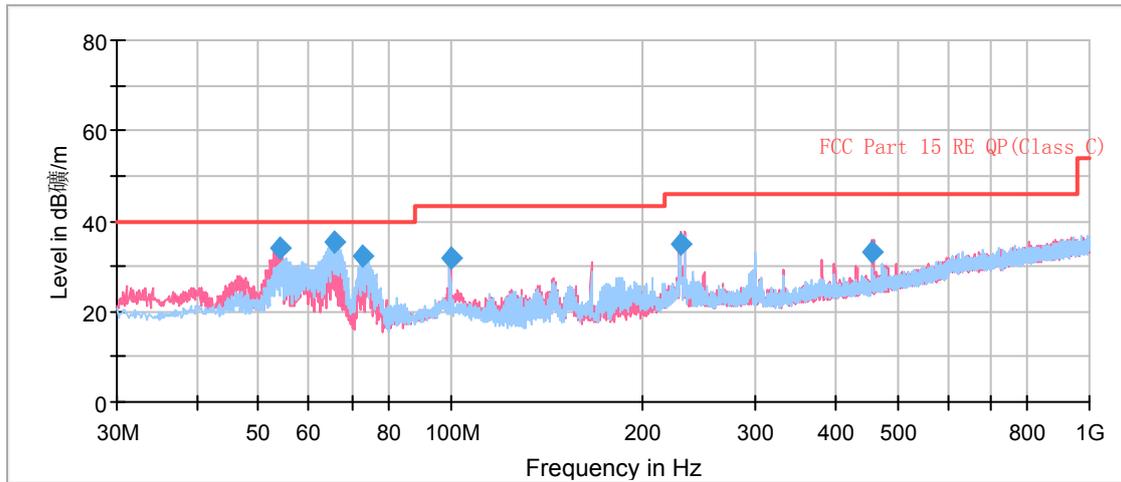
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18392.062500	21.0	V	0.0	25.9	-4.9	33.0	54
19255.875000	16.4	V	0.0	23.3	-6.9	37.6	54
21601.875000	14.5	H	0.0	23.3	-8.8	39.5	54
23294.437500	15.6	V	0.0	22.6	-7.0	38.4	54
24732.000000	16.2	V	0.0	22.5	-6.3	37.8	54
25221.812500	17.5	H	0.0	23.4	-5.9	36.5	54

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



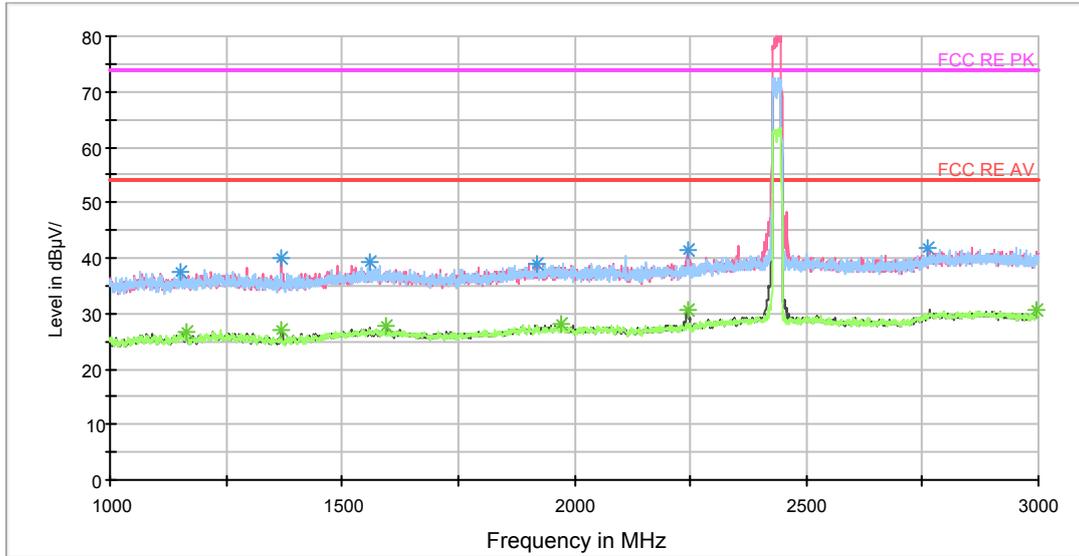
802.11n (HT20) CH6



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
54.083750	33.8	100.0	V	85.0	46.6	-12.8	6.2	40.0
65.566250	35.5	225.0	H	0.0	45.8	-10.3	4.5	40.0
72.966250	32.4	225.0	H	9.0	40.9	-8.5	7.6	40.0
99.757500	32.0	100.0	V	0.0	45.2	-13.2	11.5	43.5
228.363750	35.0	189.0	V	11.0	48.2	-13.2	11.0	46.0
456.638750	32.9	100.0	V	0.0	51.9	19.0	13.1	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3ghz

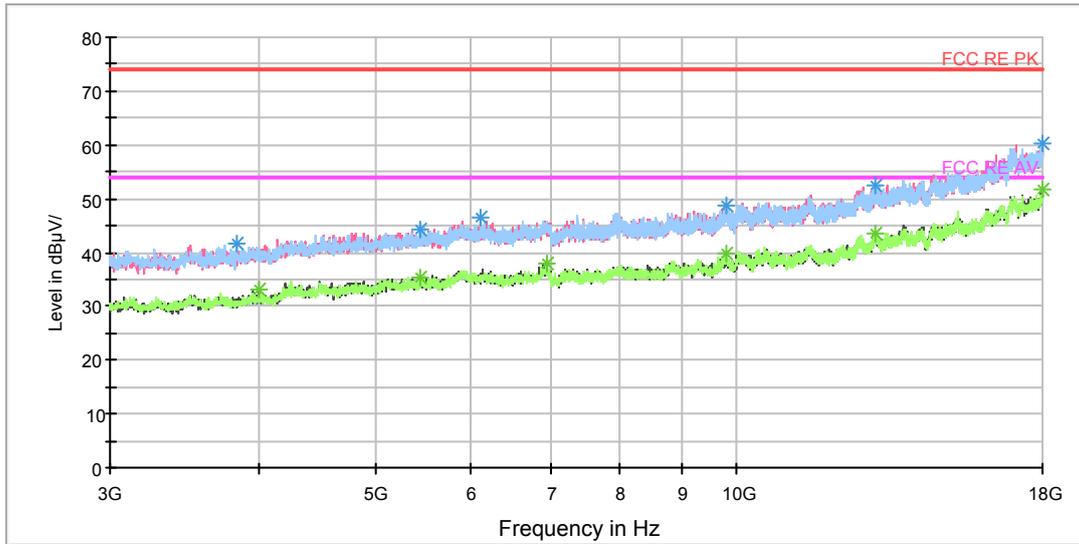
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1163.000000	35.5	100.0	H	148.0	46.3	-10.8	38.5	74
1370.000000	40.1	100.0	V	126.0	50.0	-9.9	33.9	74
1596.500000	36.5	100.0	V	359.0	45.5	-9.0	37.5	74
1973.000000	37.9	100.0	H	132.0	45.8	-7.9	36.1	74
2997.500000	40.7	100.0	V	101.0	44.7	-4.0	33.3	74
2243.000000	41.3	100.0	V	60.0	47.7	-6.4	32.7	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)
1163.000000	26.7	100.0	H	148.0	37.5	-10.8	27.3	54
1370.000000	27.1	100.0	V	126.0	37.0	-9.9	26.9	54
1596.500000	27.6	100.0	V	359.0	36.6	-9.0	26.4	54
1973.000000	27.9	100.0	H	132.0	35.8	-7.9	26.1	54
2997.500000	30.7	100.0	V	101.0	34.7	-4.0	23.3	54
2243.000000	30.5	100.0	V	60.0	36.9	-6.4	23.5	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

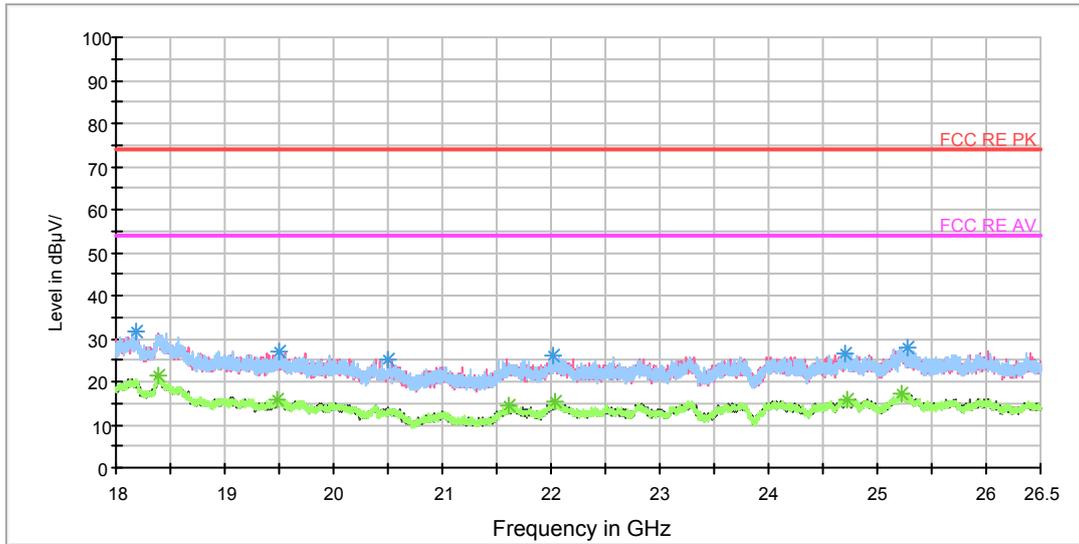
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3821.250000	41.7	101.0	H	52.0	42.1	-0.4	32.3	74
5435.625000	44.1	101.0	H	68.0	47.9	-3.8	29.9	74
6116.250000	46.5	101.0	H	1.0	52.5	-6.0	27.5	74
9787.500000	48.8	101.0	H	306.0	60.9	-12.1	25.2	74
13050.000000	52.5	101.0	H	130.0	68.7	-16.2	21.5	74
17979.375000	60.3	101.0	H	224.0	85.5	-25.2	13.7	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)
3995.625000	33.0	101.0	V	193.0	33.5	-0.5	21.0	54
5450.625000	35.3	101.0	H	26.0	39.2	-3.9	18.7	54
6935.625000	38.1	101.0	H	26.0	44.9	-6.8	15.9	54
9806.250000	39.8	101.0	H	92.0	52.0	-12.2	14.2	54
13050.000000	43.7	101.0	H	130.0	59.9	-16.2	10.3	54
18000.000000	51.6	101.0	H	0.0	77.0	-25.4	2.4	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18182.750000	31.4	H	0.0	36.3	-4.9	42.6	74
19505.562500	26.9	H	0.0	34.4	-7.5	47.1	74
20505.375000	25.2	V	0.0	33.2	-8.0	48.8	74
22018.375000	26.2	H	0.0	34.3	-8.1	47.8	74
24711.812500	26.6	V	0.0	33.2	-6.6	47.4	74
25282.375000	27.7	H	0.0	34.5	-6.8	46.3	74

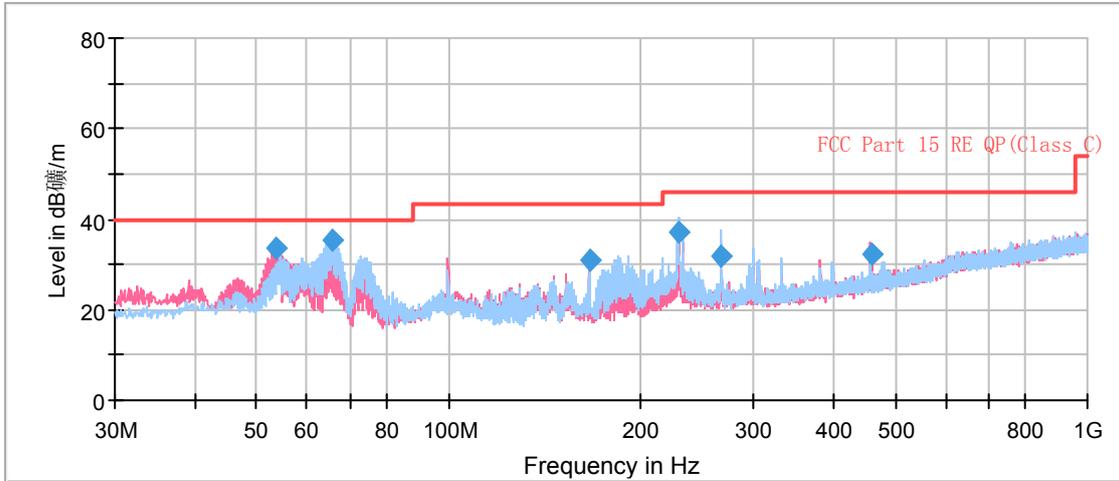
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18395.250000	21.2	H	0.0	26.1	-4.9	32.8	54
19487.500000	15.9	H	0.0	23.6	-7.7	38.1	54
21604.000000	14.4	V	0.0	23.2	-8.8	39.6	54
22034.312500	15.3	V	0.0	23.3	-8.0	38.7	54
24724.562500	15.9	H	0.0	22.1	-6.2	38.1	54
25228.187500	17.4	H	0.0	23.3	-5.9	36.6	54

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

802.11n (HT20) CH11

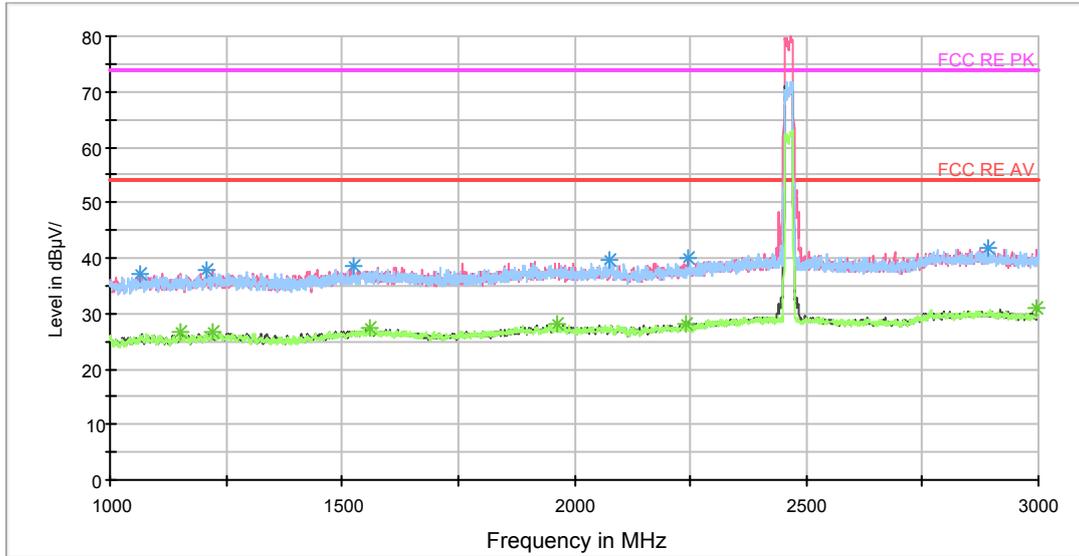
FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.720000	33.7	100.0	V	92.0	46.5	-12.8	6.3	40.0
65.566250	35.5	225.0	H	11.0	45.8	-10.3	4.5	40.0
166.282500	31.1	100.0	V	202.0	41.1	-10.0	12.4	43.5
228.363750	37.3	175.0	H	277.0	50.5	-13.2	8.7	46.0
267.365000	31.8	100.0	H	270.0	46.4	-14.6	14.2	46.0
458.413750	32.2	113.0	V	164.0	51.2	-19.0	13.8	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

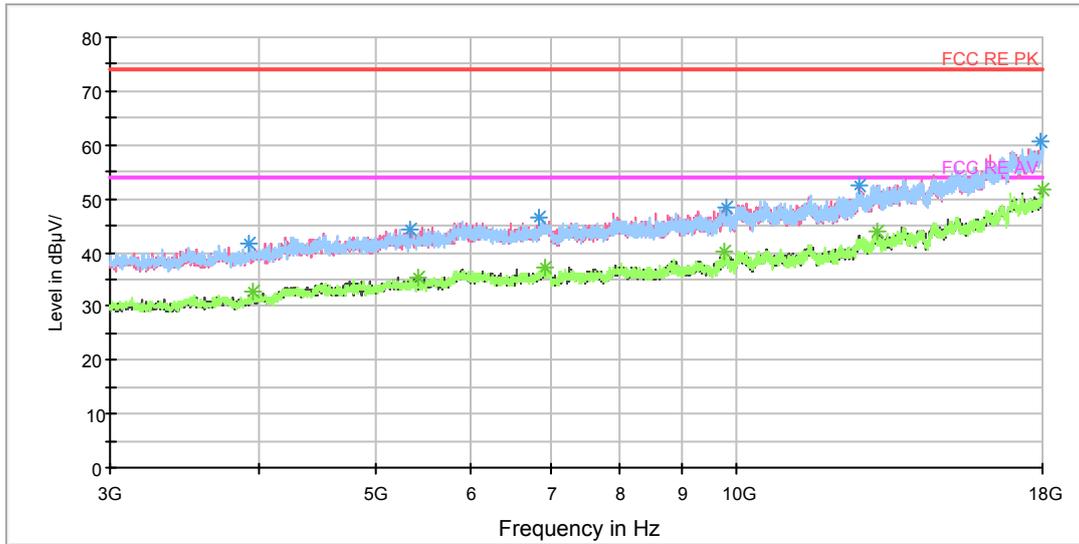
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1151.500000	36.5	100.0	V	220.0	47.3	-10.8	37.5	74
1222.500000	36.0	100.0	V	166.0	46.5	-10.5	38.0	74
1560.000000	37.2	100.0	V	281.0	46.4	-9.2	36.8	74
1961.000000	36.9	100.0	H	182.0	44.8	-7.9	37.1	74
2996.000000	41.6	100.0	V	98.0	45.6	-4.0	32.4	74
2239.500000	37.4	100.0	V	338.0	43.8	-6.4	36.6	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)
1151.500000	26.5	100.0	V	220.0	37.3	-10.8	27.5	54
1222.500000	26.5	100.0	V	166.0	37.0	-10.5	27.5	54
1560.000000	27.2	100.0	V	281.0	36.4	-9.2	26.8	54
1961.000000	27.9	100.0	H	182.0	35.8	-7.9	26.1	54
2996.000000	31.0	100.0	V	98.0	35.0	-4.0	23.0	54
2239.500000	28.3	100.0	V	338.0	34.7	-6.4	25.7	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

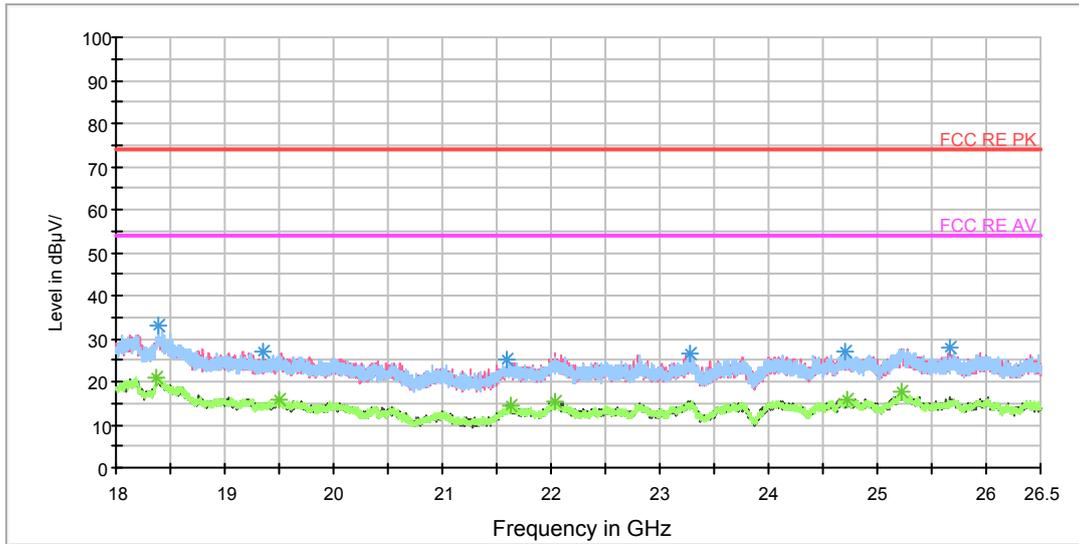
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3924.375000	41.6	101.0	H	19.0	41.6	-0.0	32.4	74
5340.000000	44.4	101.0	H	253.0	48.2	-3.8	29.6	74
6843.750000	46.4	101.0	V	198.0	53.0	-6.6	27.6	74
9810.000000	48.4	101.0	H	215.0	60.6	-12.2	25.6	74
12656.250000	52.4	101.0	V	323.0	67.3	-14.9	21.6	74
17962.500000	60.8	101.0	H	162.0	85.8	-25.0	13.2	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3952.500000	32.7	101.0	H	0.0	32.9	-0.2	21.3	54
5415.000000	35.3	101.0	V	323.0	39.0	-3.7	18.7	54
6930.000000	37.3	101.0	H	127.0	44.1	-6.8	16.7	54
9763.125000	40.2	101.0	H	41.0	52.0	-11.8	13.8	54
13115.625000	43.8	101.0	H	127.0	59.8	-16.0	10.2	54
17983.125000	51.7	101.0	H	0.0	76.9	-25.2	2.3	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18382.500000	33.0	H	0.0	37.8	-4.8	41.0	74
19351.500000	26.8	H	0.0	34.4	-7.6	47.2	74
21600.812500	24.9	H	0.0	33.7	-8.8	49.1	74
23273.187500	26.6	V	0.0	33.8	-7.2	47.4	74
24695.875000	26.9	V	0.0	33.7	-6.8	47.1	74
25664.875000	27.7	V	0.0	35.3	-7.6	46.3	74

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

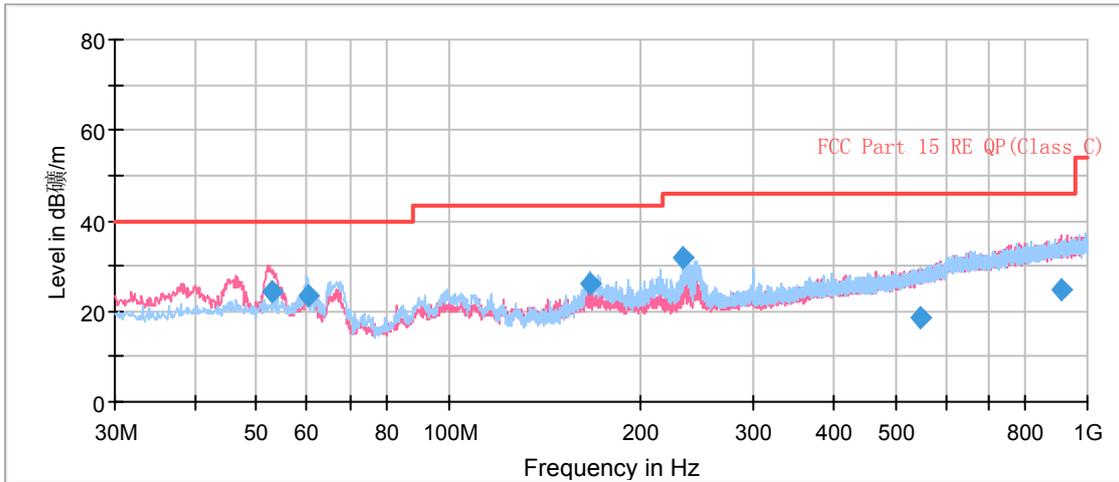
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18377.187500	21.0	V	0.0	25.8	-4.8	33.0	54
19505.562500	16.0	V	0.0	23.5	-7.5	38.0	54
21635.875000	14.5	H	0.0	23.6	-9.1	39.5	54
22038.562500	15.5	H	0.0	23.5	-8.0	38.5	54
24722.437500	15.9	H	0.0	22.1	-6.2	38.1	54
25219.687500	17.5	V	0.0	23.5	-6.0	36.5	54

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



BLE-Channel 0

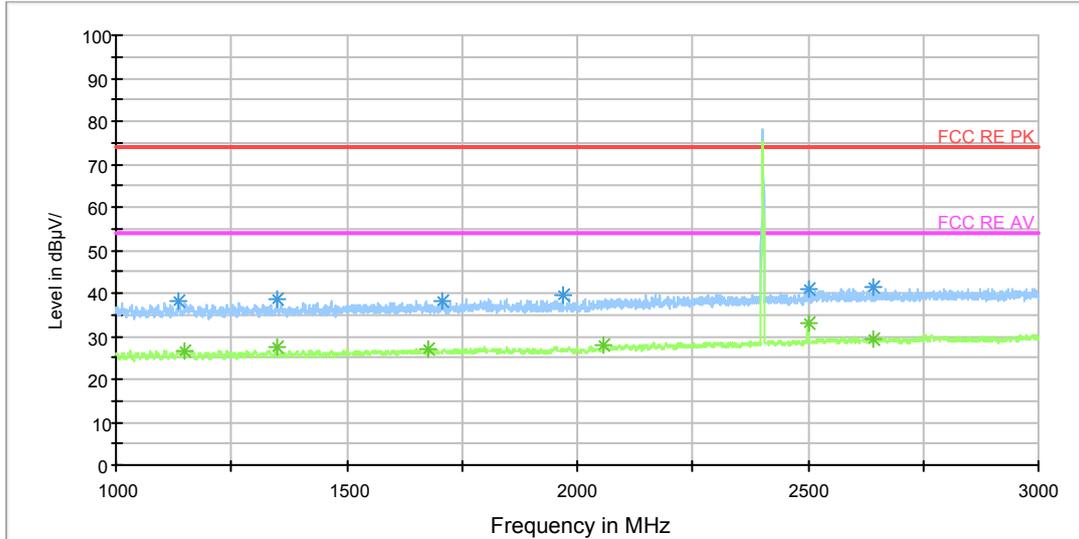
FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.670000	24.1	100.0	V	243.0	37.0	-12.9	15.9	40.0
60.028750	23.5	200.0	H	2.0	36.0	-12.5	16.5	40.0
166.006250	26.2	175.0	H	321.0	36.2	-10.0	17.3	43.5
232.366250	31.6	125.0	H	285.0	45.0	-13.4	14.4	46.0
546.895000	18.4	189.0	H	24.0	39.3	-20.9	27.6	46.0
907.642500	24.6	125.0	V	89.0	50.3	-25.7	21.4	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

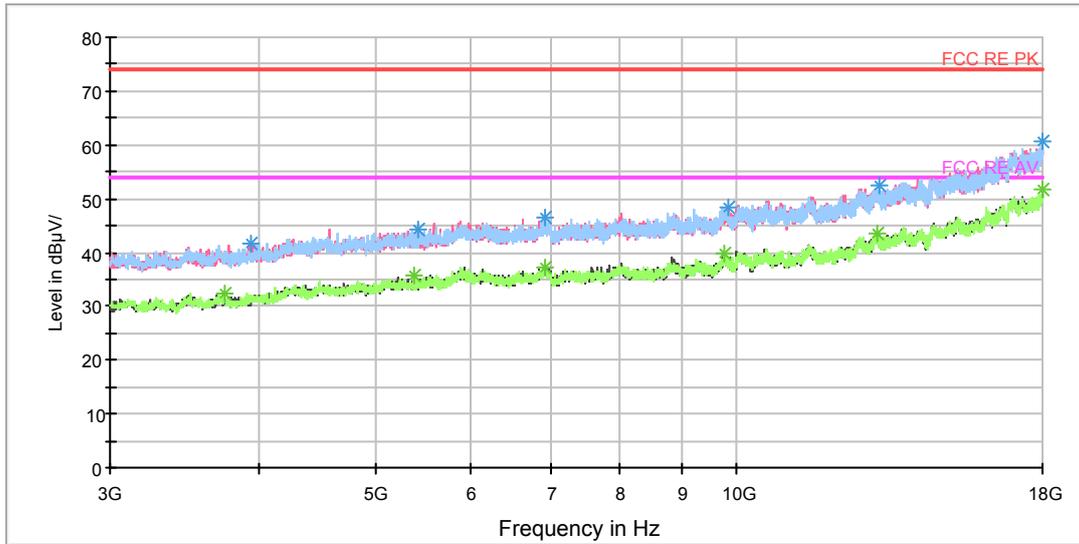
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1134.500000	38.3	100.0	H	4.0	49.2	-10.9	35.7	74
1348.500000	38.8	100.0	V	359.0	48.8	-10.0	35.2	74
1707.000000	38.2	100.0	V	359.0	46.9	-8.7	35.8	74
1967.500000	39.4	100.0	V	115.0	47.3	-7.9	34.6	74
2500.500000	40.9	100.0	V	72.0	45.9	-5.0	33.1	74
2640.500000	41.3	100.0	H	6.0	45.9	-4.6	32.7	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)
1150.000000	26.7	100.0	H	4.0	37.5	-10.8	27.3	54
1350.000000	27.6	100.0	H	254.0	37.6	-10.0	26.4	54
1675.500000	27.1	100.0	H	4.0	35.9	-8.8	26.9	54
2058.000000	28.0	100.0	V	0.0	35.4	-7.4	26.0	54
2500.000000	32.9	100.0	H	105.0	37.9	-5.0	21.1	54
2643.500000	29.4	100.0	V	95.0	34.0	-4.6	24.6	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

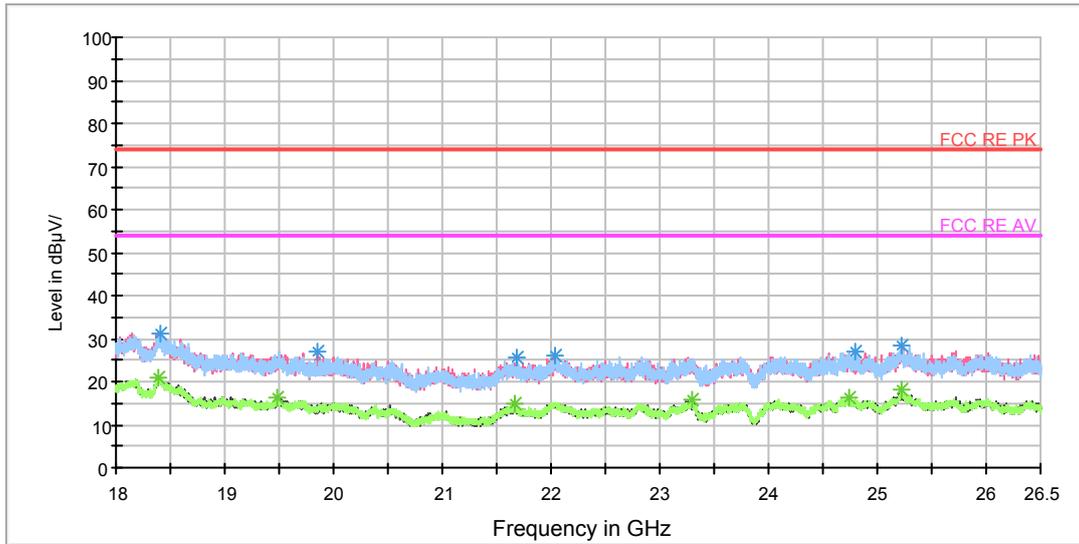
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3930.000000	41.8	101.0	V	336.0	41.8	-0.0	32.2	74
5413.125000	44.4	101.0	H	274.0	48.1	-3.7	29.6	74
6924.375000	46.3	101.0	V	0.0	53.1	-6.8	27.7	74
9830.625000	48.4	101.0	V	71.0	60.4	-12.0	25.6	74
13138.125000	52.4	101.0	H	7.0	68.1	-15.7	21.6	74
18000.000000	60.5	101.0	H	120.0	85.9	-25.4	13.5	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)
3738.750000	32.5	101.0	H	208.0	32.8	-0.3	21.5	54
5383.125000	35.9	101.0	H	0.0	39.6	-3.7	18.1	54
6931.875000	37.3	101.0	V	187.0	44.1	-6.8	16.7	54
9766.875000	39.7	101.0	H	247.0	51.6	-11.9	14.3	54
13087.500000	43.5	101.0	H	70.0	59.7	-16.2	10.5	54
17998.125000	51.7	101.0	H	221.0	77.1	-25.4	2.3	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18403.750000	31.3	H	0.0	36.2	-4.9	42.7	74
19853.000000	27.1	V	0.0	35.1	-8.0	46.9	74
21685.812500	25.8	H	0.0	35.2	-9.4	48.2	74
22042.812500	25.8	H	0.0	33.8	-8.0	48.2	74
24789.375000	27.0	H	0.0	33.8	-6.8	47.0	74
25221.812500	28.4	H	0.0	34.3	-5.9	45.6	74

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

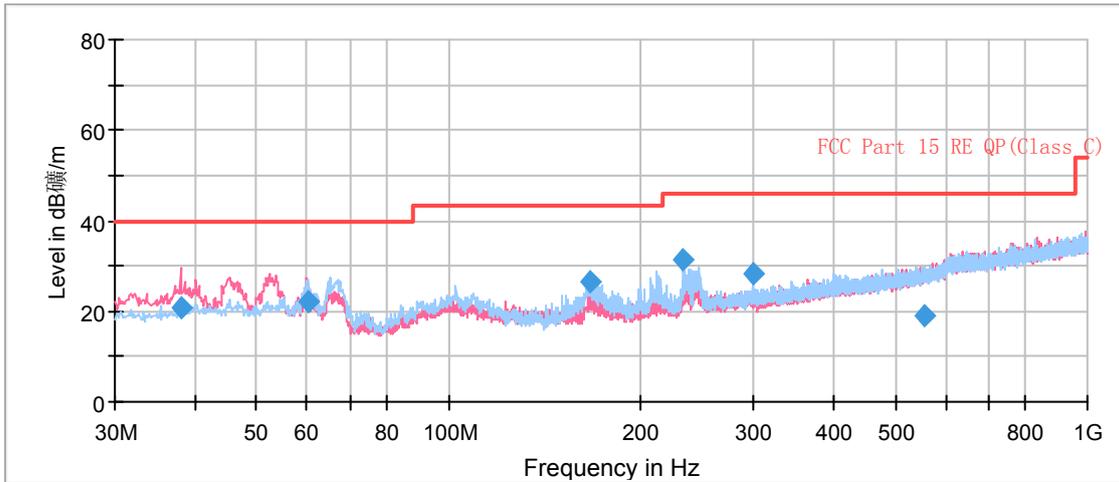
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18392.062500	20.9	H	0.0	25.8	-4.9	33.1	54
19485.375000	16.4	V	0.0	24.1	-7.7	37.6	54
21658.187500	14.7	H	0.0	23.9	-9.2	39.3	54
23292.312500	15.7	H	0.0	22.7	-7.0	38.3	54
24735.187500	16.1	H	0.0	22.4	-6.3	37.9	54
25216.500000	18.0	H	0.0	24.1	-6.1	36.0	54

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



BLE -Channel 19

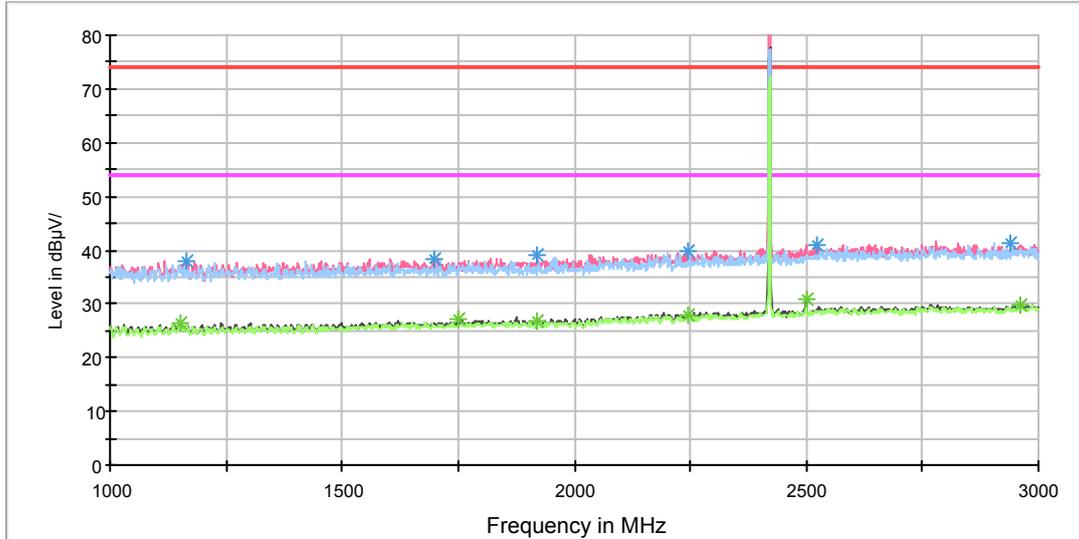
FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
38.082500	20.6	100.0	V	260.0	33.3	-12.7	19.4	40.0
60.028750	22.1	214.0	V	264.0	34.6	-12.5	17.9	40.0
166.572500	26.5	125.0	H	303.0	36.6	-10.1	17.0	43.5
232.366250	31.2	125.0	H	282.0	44.6	-13.4	14.8	46.0
298.770000	28.3	100.0	H	280.0	43.7	-15.4	17.7	46.0
556.826250	18.9	125.0	H	17.0	40.1	-21.2	27.1	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

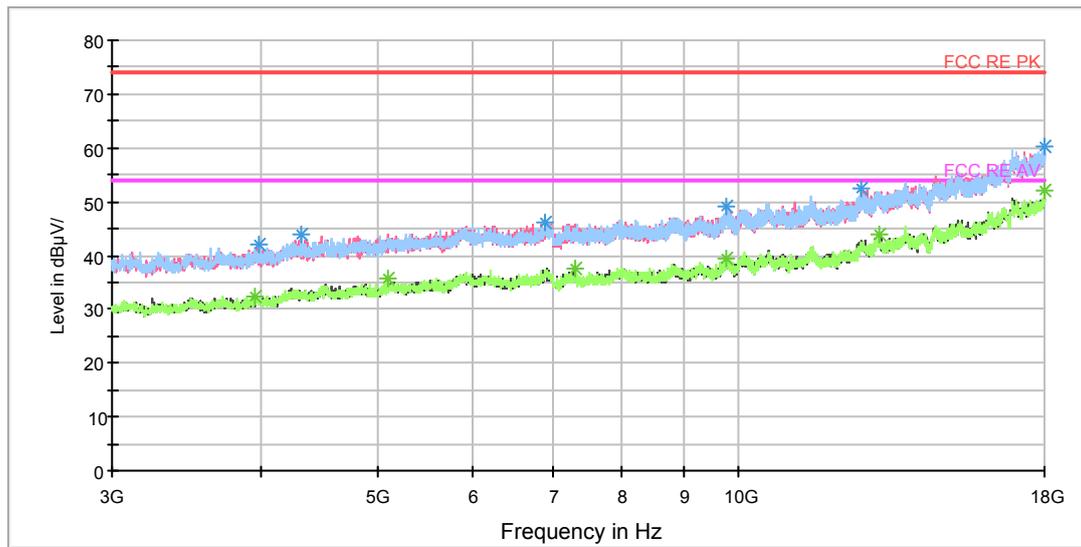
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1166.250000	37.9	100.0	V	265.0	48.7	-10.8	36.1	74
1700.000000	38.5	100.0	V	141.0	47.2	-8.7	35.5	74
1920.000000	38.9	100.0	V	177.0	47.0	-8.1	35.1	74
2245.000000	39.7	100.0	V	177.0	46.0	-6.3	34.3	74
2521.250000	41.0	100.0	V	330.0	45.9	-4.9	33.0	74
2941.250000	41.5	100.0	H	81.0	45.6	-4.1	32.5	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)
1151.250000	26.5	100.0	V	356.0	37.3	-10.8	27.5	54
1750.000000	27.3	100.0	V	312.0	35.8	-8.5	26.7	54
1921.250000	26.8	100.0	V	177.0	34.9	-8.1	27.2	54
2246.250000	27.8	100.0	V	79.0	34.1	-6.3	26.2	54
2500.000000	31.0	100.0	V	57.0	36.0	-5.0	23.0	54
2962.500000	29.9	100.0	V	218.0	34.0	-4.1	24.1	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

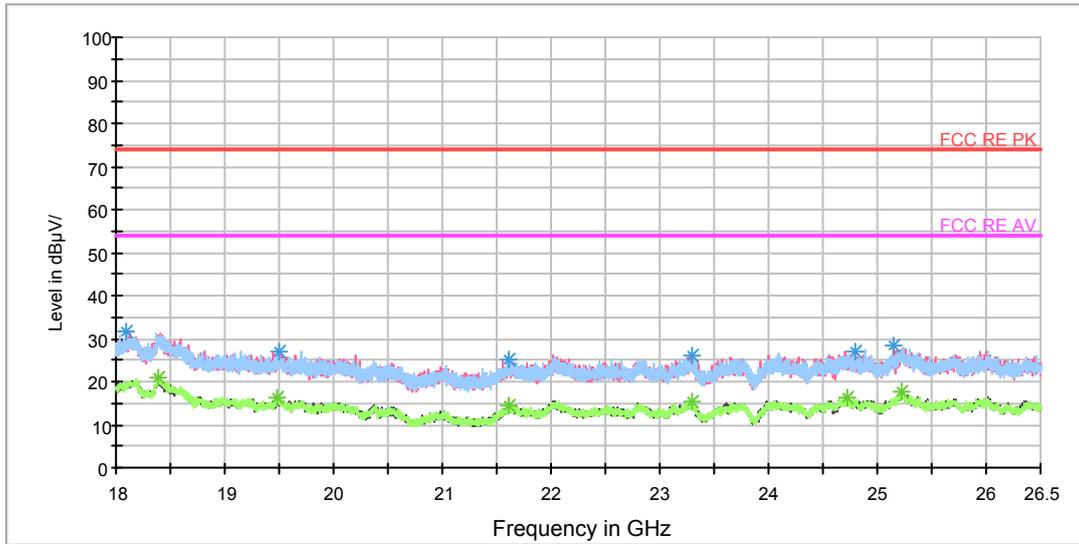
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3986.250000	42.1	101.0	H	46.0	42.5	-0.4	31.9	74
4318.125000	44.0	101.0	H	10.0	46.1	-2.1	30.0	74
6886.875000	46.0	101.0	H	346.0	52.9	-6.9	28.0	74
9783.750000	49.0	101.0	H	247.0	61.1	-12.1	25.0	74
12656.250000	52.4	101.0	H	300.0	67.3	-14.9	21.6	74
17966.250000	60.2	101.0	H	84.0	85.2	-25.0	13.8	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)
3956.250000	32.5	101.0	V	290.0	32.7	-0.2	21.5	54
5098.125000	35.6	101.0	H	22.0	39.2	-3.6	18.4	54
7318.125000	37.7	101.0	V	340.0	46.2	-8.5	16.3	54
9757.500000	39.5	101.0	H	184.0	51.2	-11.7	14.5	54
13081.875000	44.0	101.0	V	254.0	60.2	-16.2	10.0	54
17996.250000	51.9	101.0	H	159.0	77.3	-25.4	2.1	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18089.250000	31.8	H	0.0	37.0	-5.2	42.2	74
19493.875000	26.9	H	0.0	34.5	-7.6	47.1	74
21619.937500	25.0	H	0.0	34.0	-9.0	49.0	74
23294.437500	26.1	H	0.0	33.1	-7.0	47.9	74
24804.250000	27.0	V	0.0	33.6	-6.6	47.0	74
25154.875000	28.3	V	0.0	35.3	-7.0	45.7	74

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

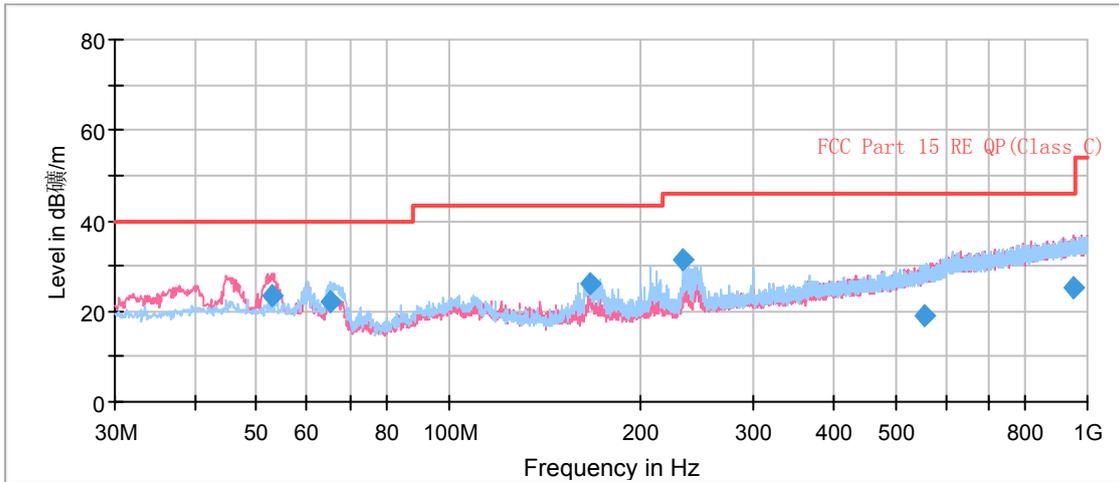
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18384.625000	21.1	H	0.0	25.9	-4.8	32.9	54
19489.625000	16.1	H	0.0	23.7	-7.6	37.9	54
21607.187500	14.5	V	0.0	23.3	-8.8	39.5	54
23289.125000	15.5	V	0.0	22.6	-7.1	38.5	54
24727.750000	16.4	H	0.0	22.6	-6.2	37.6	54
25215.437500	17.7	V	0.0	23.8	-6.1	36.3	54

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



BLE -Channel 39

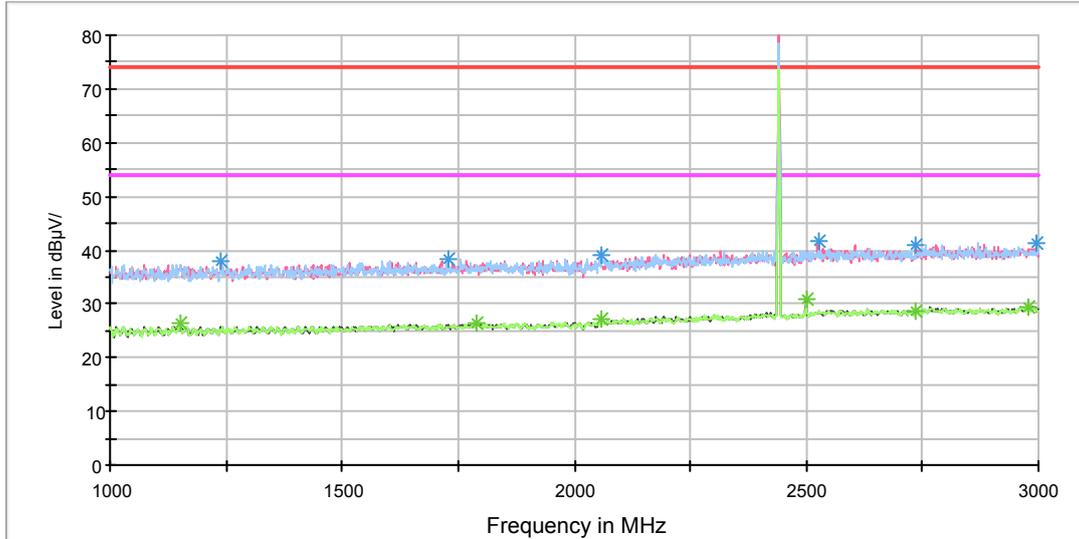
FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.680000	23.6	100.0	V	251.0	36.5	-12.9	16.4	40.0
65.162500	22.1	225.0	H	0.0	32.6	-10.5	17.9	40.0
166.568750	26.1	175.0	H	318.0	36.2	-10.1	17.4	43.5
233.215000	31.4	125.0	H	275.0	44.8	-13.4	14.6	46.0
554.121250	18.9	225.0	H	101.0	40.1	-21.2	27.1	46.0
947.825000	25.1	225.0	V	45.0	51.1	-26.0	20.9	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

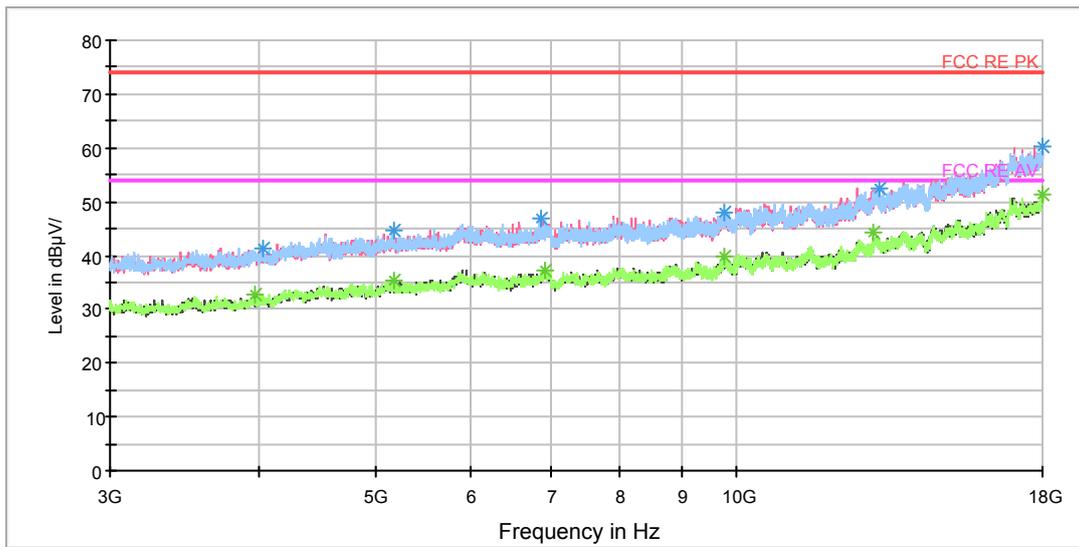
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1240.000000	37.8	100.0	V	259.0	48.2	-10.4	36.2	74
1728.750000	38.2	100.0	V	277.0	46.8	-8.6	35.8	74
2060.000000	39.1	100.0	H	50.0	46.5	-7.4	34.9	74
2526.250000	41.6	100.0	V	0.0	46.5	-4.9	32.4	74
2737.500000	40.8	100.0	V	349.0	45.2	-4.4	33.2	74
2995.000000	41.3	100.0	H	167.0	45.3	-4.0	32.7	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)
1151.250000	26.3	100.0	H	0.0	37.1	-10.8	27.7	54
1790.000000	26.4	100.0	V	212.0	34.7	-8.3	27.6	54
2058.750000	27.0	100.0	V	21.0	34.4	-7.4	27.0	54
2500.000000	31.0	100.0	V	165.0	36.0	-5.0	23.0	54
2737.500000	28.8	100.0	V	349.0	33.2	-4.4	25.2	54
2976.250000	29.3	100.0	H	233.0	33.3	-4.0	24.7	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

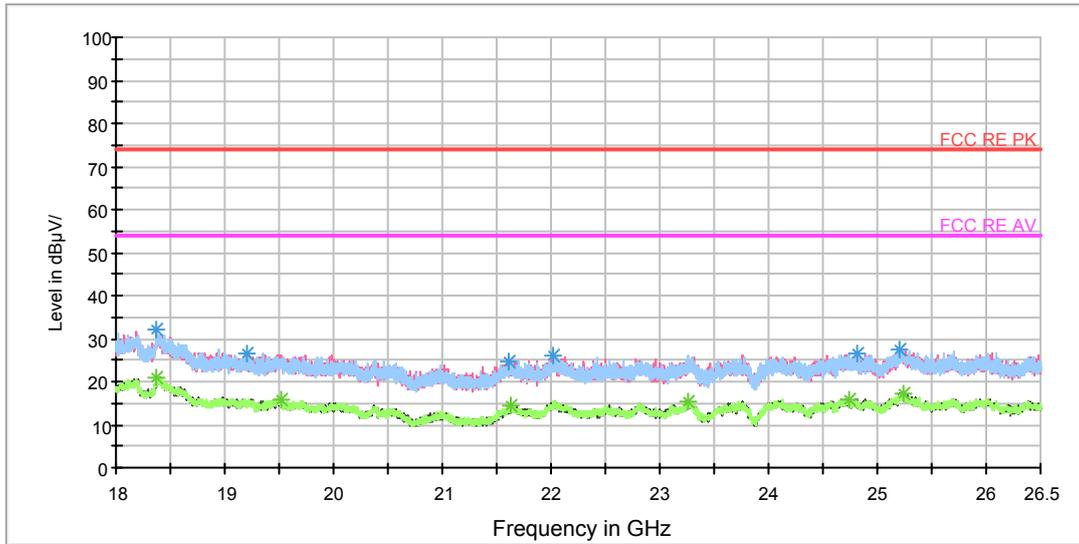
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4023.750000	41.3	101.0	V	154.0	41.9	-0.6	32.7	74
5167.500000	44.7	101.0	H	33.0	48.3	-3.6	29.3	74
6860.625000	46.9	101.0	H	273.0	53.6	-6.7	27.1	74
9778.125000	48.1	101.0	H	206.0	60.1	-12.0	25.9	74
13149.375000	52.6	101.0	H	8.0	68.2	-15.6	21.4	74
17992.500000	60.4	101.0	H	95.0	85.7	-25.3	13.6	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)
3963.750000	32.8	101.0	V	291.0	33.0	-0.2	21.2	54
5184.375000	35.3	101.0	H	45.0	38.9	-3.6	18.7	54
6930.000000	37.3	101.0	H	246.0	44.1	-6.8	16.7	54
9759.375000	39.7	101.0	V	216.0	51.5	-11.8	14.3	54
13021.875000	44.3	101.0	H	8.0	60.5	-16.2	9.7	54
17992.500000	51.5	101.0	H	95.0	76.8	-25.3	2.5	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18371.875000	31.9	V	0.0	36.7	-4.8	42.1	74
19205.937500	26.5	V	0.0	33.5	-7.0	47.5	74
21617.812500	24.5	V	0.0	33.5	-9.0	49.5	74
22025.812500	26.0	H	0.0	33.9	-7.9	48.0	74
24810.625000	26.5	V	0.0	33.3	-6.8	47.5	74
25208.000000	27.3	V	0.0	33.6	-6.3	46.7	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18375.062500	21.1	V	0.0	25.8	-4.7	32.9	54
19514.062500	15.9	V	0.0	23.4	-7.5	38.1	54
21633.750000	14.3	V	0.0	23.4	-9.1	39.7	54
23255.125000	15.6	V	0.0	23.0	-7.4	38.4	54
24740.500000	16.0	H	0.0	22.5	-6.5	38.0	54
25236.687500	17.4	H	0.0	23.5	-6.1	36.6	54

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

5.8. Conducted Emission

Ambient condition

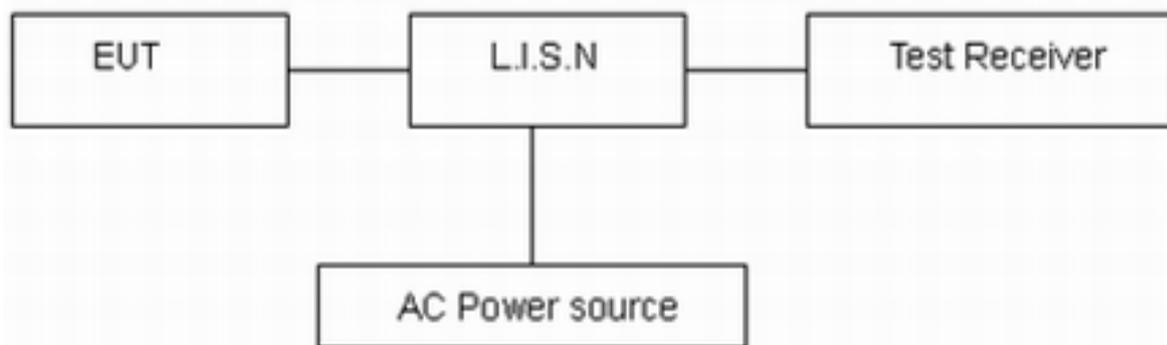
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

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

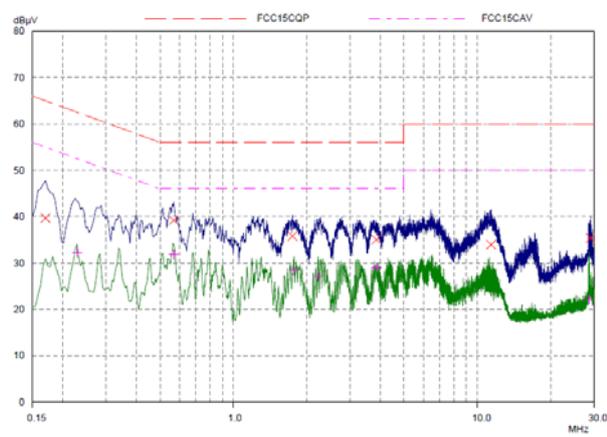
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U = 2.69$ dB.



Test Results:

Following plots, Blue trace uses the peak detection, Green trace uses the average detection.

802.11b, Channel No.: 1 L Line

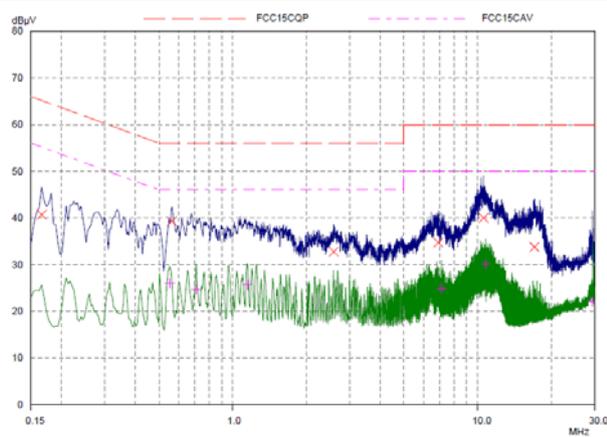


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
-	-	-	-	-	-
0.16953	39.70	64.98	25.28	L1	gnd
0.56796	39.22	56.00	16.78	L1	gnd
1.74375	35.81	56.00	20.19	L1	gnd
3.85312	35.04	56.00	20.96	L1	gnd
11.38046	33.94	60.00	26.06	L1	gnd
29.11093	35.36	60.00	24.64	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
-	-	-	-	-	-
0.22812	32.28	52.52	20.24	L1	gnd
0.56796	31.88	46.00	14.12	L1	gnd
1.77109	28.48	46.00	17.52	L1	gnd
2.22031	27.10	46.00	18.90	L1	gnd
3.85312	29.01	46.00	16.99	L1	gnd
28.74375	22.17	50.00	27.83	L1	gnd

802.11b, Channel No.: 1 N Line

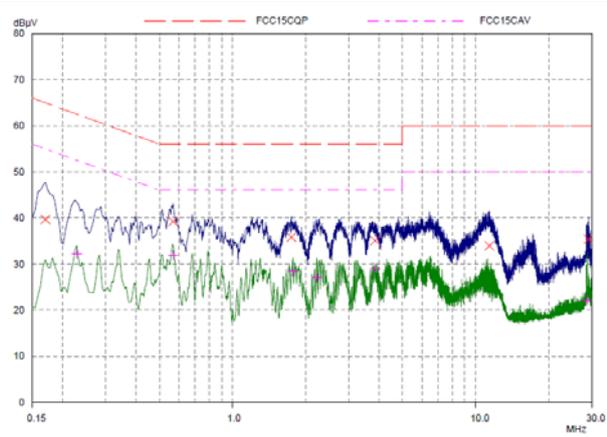


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
-	-	-	-	-	-
0.16562	40.69	65.18	24.49	N	gnd
0.56406	39.28	56.00	16.72	N	gnd
2.58359	32.77	56.00	23.23	N	gnd
6.9039	34.71	60.00	25.29	N	gnd
10.56796	40.01	60.00	19.99	N	gnd
17.04843	33.77	60.00	26.23	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
-	-	-	-	-	-
0.55234	25.99	46.00	20.01	N	gnd
0.70859	24.71	46.00	21.29	N	gnd
1.14609	25.70	46.00	20.30	N	gnd
7.12265	24.84	50.00	25.16	N	gnd
10.78671	30.16	50.00	19.84	N	gnd
29.47812	22.09	50.00	27.91	N	gnd

802.11b, Channel No.: 6 L Line



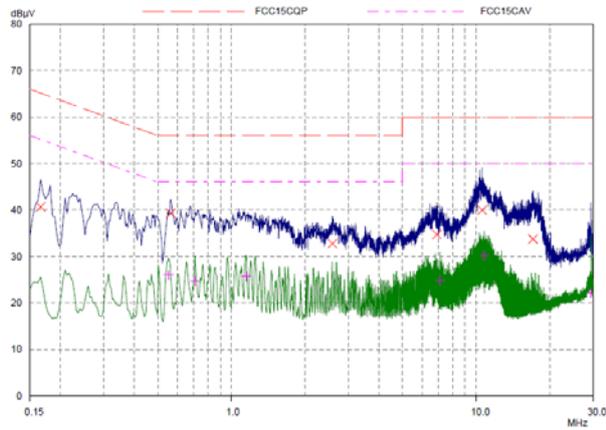
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
-	-	-	-	-	-
0.16953	39.70	64.98	25.28	L1	gnd
0.56796	39.22	56.00	16.78	L1	gnd
1.74375	35.81	56.00	20.19	L1	gnd
3.85312	35.04	56.00	20.96	L1	gnd
11.38046	33.94	60.00	26.06	L1	gnd
29.11093	35.36	60.00	24.64	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
-	-	-	-	-	-
0.22812	32.28	52.52	20.24	L1	gnd
0.56796	31.88	46.00	14.12	L1	gnd
1.77109	28.48	46.00	17.52	L1	gnd
2.22031	27.10	46.00	18.90	L1	gnd
3.85312	29.01	46.00	16.99	L1	gnd
28.74375	22.17	50.00	27.83	L1	gnd



802.11b, Channel No.: 6 N Line

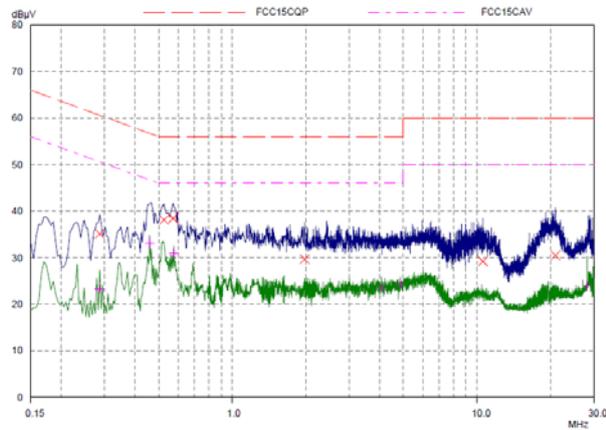


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.16562	40.69	65.18	24.49	N	gnd
0.56406	39.28	56.00	16.72	N	gnd
2.58359	32.77	56.00	23.23	N	gnd
6.9039	34.71	60.00	25.29	N	gnd
10.56796	40.01	60.00	19.99	N	gnd
17.04843	33.77	60.00	26.23	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.55234	25.99	46.00	20.01	N	gnd
0.70859	24.71	46.00	21.29	N	gnd
1.14609	25.70	46.00	20.30	N	gnd
7.12265	24.84	50.00	25.16	N	gnd
10.78671	30.16	50.00	19.84	N	gnd
29.47812	22.09	50.00	27.91	N	gnd

802.11b, Channel No.: 11 L Line

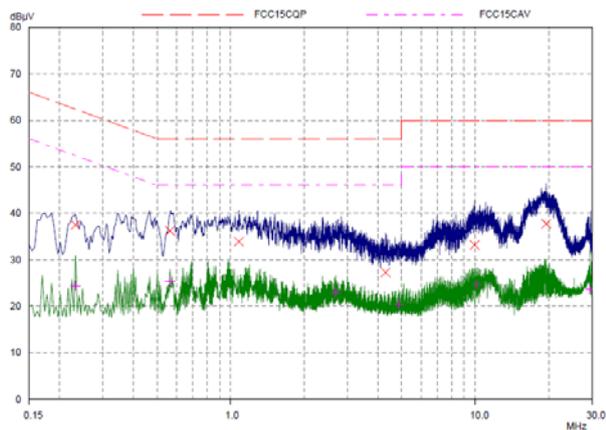


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.28671	35.14	60.62	25.48	L1	gnd
0.525	38.12	56.00	17.88	L1	gnd
0.57187	38.44	56.00	17.56	L1	gnd
1.97421	29.71	56.00	26.29	L1	gnd
10.56406	29.21	60.00	30.79	L1	gnd
20.90781	30.50	60.00	29.50	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.28671	23.36	50.62	27.26	L1	gnd
0.45859	33.13	46.72	13.59	L1	gnd
0.57578	31.04	46.00	14.96	L1	gnd
4.06015	23.49	46.00	22.51	L1	gnd
4.85703	24.31	46.00	21.69	L1	gnd
28.17343	24.03	50.00	25.97	L1	gnd

802.11b, Channel No.: 11 N Line



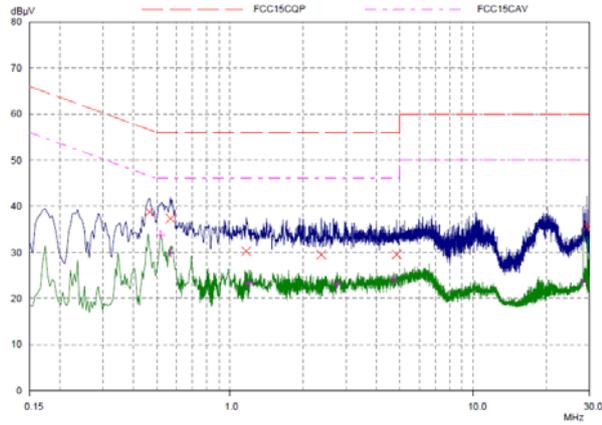
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.23203	37.48	62.38	24.90	N	gnd
0.56406	36.22	56.00	19.78	N	gnd
1.07968	33.88	56.00	22.12	N	gnd
4.29843	27.27	56.00	28.73	N	gnd
9.94296	33.15	60.00	26.85	N	gnd
19.49765	37.75	60.00	22.25	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.23203	24.39	52.38	27.99	N	gnd
0.56406	25.31	46.00	20.69	N	gnd
2.68906	22.96	46.00	23.04	N	gnd
4.86093	20.42	46.00	25.58	N	gnd
10.15781	24.61	50.00	25.39	N	gnd
29.4664	23.68	50.00	26.32	N	gnd



802.11g, Channel No.: 1 L Line

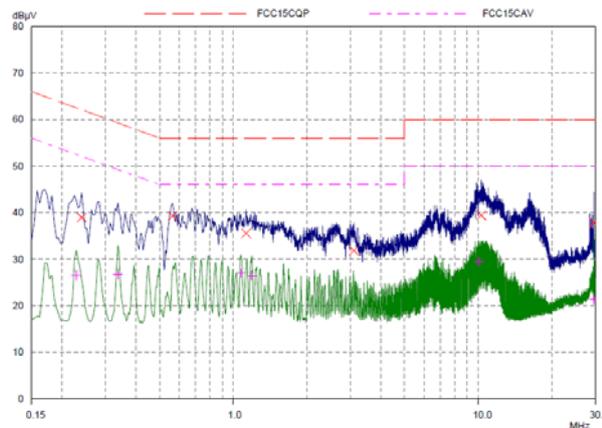


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.4664	38.75	56.58	17.83	L1	gnd
0.56796	37.32	56.00	18.68	L1	gnd
1.16562	30.22	56.00	25.78	L1	gnd
2.37265	29.46	56.00	26.54	L1	gnd
4.84531	29.50	56.00	26.50	L1	gnd
29.47812	35.61	60.00	24.39	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.51718	33.79	46.00	12.21	L1	gnd
0.56796	29.86	46.00	16.14	L1	gnd
1.19687	23.34	46.00	22.66	L1	gnd
2.75546	23.19	46.00	22.81	L1	gnd
4.70468	23.98	46.00	22.02	L1	gnd
28.35312	23.49	50.00	26.51	L1	gnd

802.11g, Channel No.: 1 N Line

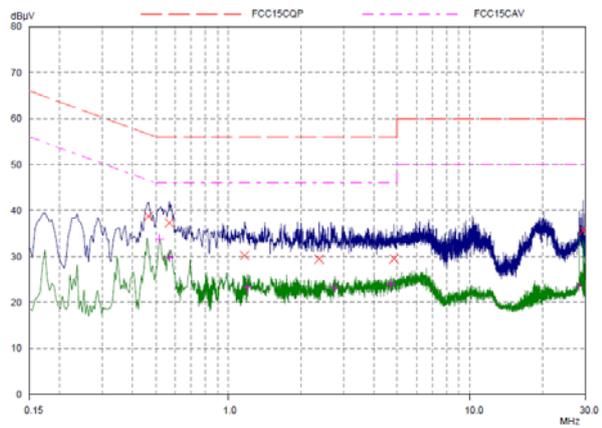


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.23984	38.96	62.10	23.14	N	gnd
0.56406	39.32	56.00	16.68	N	gnd
1.12656	35.58	56.00	20.42	N	gnd
3.10312	31.84	56.00	24.16	N	gnd
10.275	39.42	60.00	20.58	N	gnd
29.66953	37.83	60.00	22.17	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.22812	26.57	52.52	25.95	N	gnd
0.3375	26.72	49.26	22.54	N	gnd
1.07187	27.02	46.00	18.98	N	gnd
1.18906	26.48	46.00	19.52	N	gnd
10.04453	29.45	50.00	20.55	N	gnd
29.67343	21.39	50.00	28.61	N	gnd

802.11g, Channel No.: 6 L Line



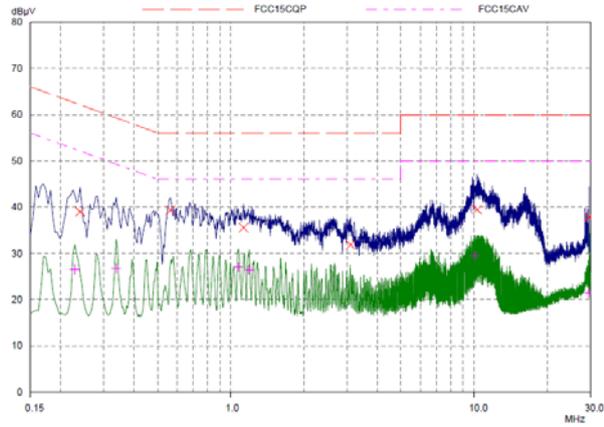
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.4664	38.75	56.58	17.83	L1	gnd
0.56796	37.32	56.00	18.68	L1	gnd
1.16562	30.22	56.00	25.78	L1	gnd
2.37265	29.46	56.00	26.54	L1	gnd
4.84531	29.50	56.00	26.50	L1	gnd
29.47812	35.61	60.00	24.39	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.51718	33.79	46.00	12.21	L1	gnd
0.56796	29.86	46.00	16.14	L1	gnd
1.19687	23.34	46.00	22.66	L1	gnd
2.75546	23.19	46.00	22.81	L1	gnd
4.70468	23.98	46.00	22.02	L1	gnd
28.35312	23.49	50.00	26.51	L1	gnd



802.11g, Channel No.: 6 N Line

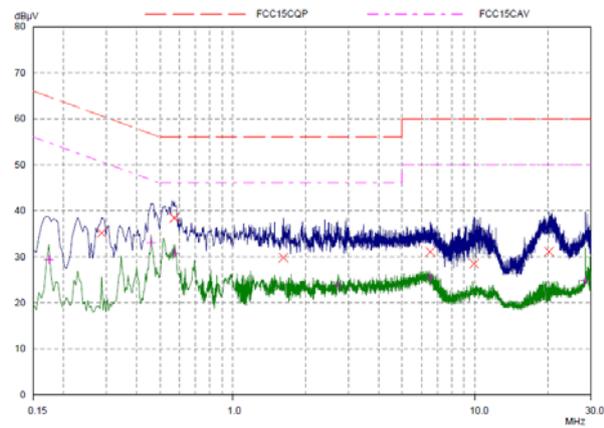


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.23984	38.96	62.10	23.14	N	gnd
0.56406	39.32	56.00	16.68	N	gnd
1.12656	35.58	56.00	20.42	N	gnd
3.10312	31.84	56.00	24.16	N	gnd
10.275	39.42	60.00	20.58	N	gnd
29.66953	37.83	60.00	22.17	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.22812	26.57	52.52	25.95	N	gnd
0.3375	26.72	49.26	22.54	N	gnd
1.07187	27.02	46.00	18.98	N	gnd
1.18906	26.48	46.00	19.52	N	gnd
10.04453	29.45	50.00	20.55	N	gnd
29.67343	21.39	50.00	28.61	N	gnd

802.11g, Channel No.: 11 L Line

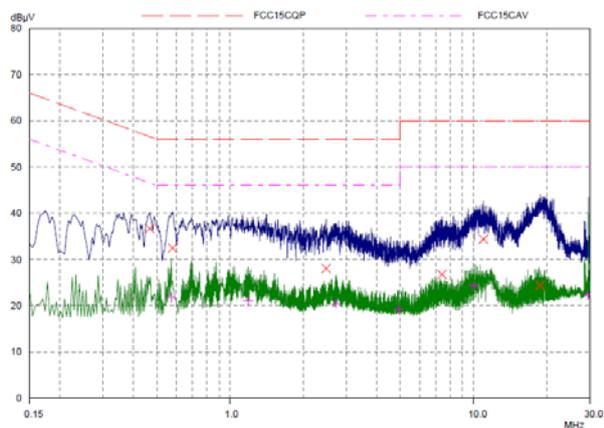


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.28671	35.18	60.62	25.44	L1	gnd
0.57187	38.44	56.00	17.56	L1	gnd
1.61484	29.79	56.00	26.21	L1	gnd
6.5289	31.04	60.00	28.96	L1	gnd
9.91171	28.49	60.00	31.51	L1	gnd
20.2125	31.10	60.00	28.90	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.17343	29.39	54.79	25.40	L1	gnd
0.45859	33.13	46.72	13.59	L1	gnd
0.57187	30.89	46.00	15.11	L1	gnd
2.72031	23.76	46.00	22.24	L1	gnd
6.5289	25.55	50.00	24.45	L1	gnd
28.53671	24.88	50.00	25.12	L1	gnd

802.11g, Channel No.: 11 N Line



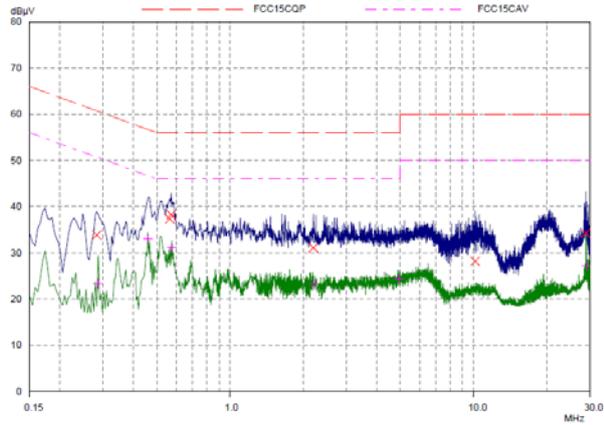
Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.4664	36.67	56.58	19.91	N	gnd
0.57968	32.50	56.00	23.50	N	gnd
2.47812	28.06	56.00	27.94	N	gnd
7.41171	26.77	60.00	33.23	N	gnd
10.97421	34.36	60.00	25.64	N	gnd
18.79843	24.44	60.00	35.56	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.57187	21.80	46.00	24.20	N	gnd
1.18515	21.12	46.00	24.88	N	gnd
2.72812	20.49	46.00	25.51	N	gnd
4.93125	19.20	46.00	26.80	N	gnd
10.02109	24.29	50.00	25.71	N	gnd
29.66171	22.48	50.00	27.52	N	gnd



802.11n(HT20), Channel No.: 1 L Line

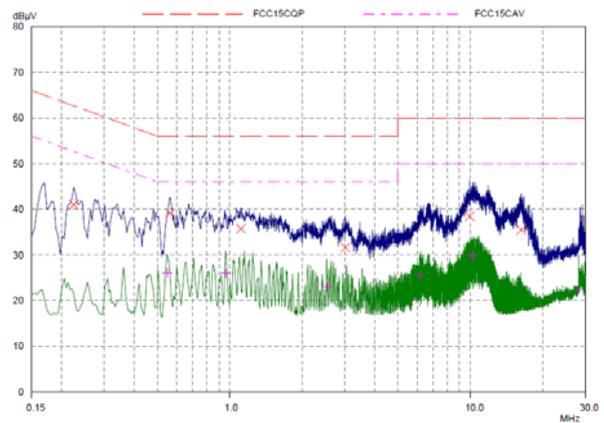


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.28281	33.84	60.73	26.89	L1	gnd
0.56406	37.34	56.00	18.66	L1	gnd
0.57187	38.26	56.00	17.74	L1	gnd
2.19687	31.08	56.00	24.92	L1	gnd
10.15	28.20	60.00	31.80	L1	gnd
28.91171	34.23	60.00	25.77	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.28671	23.31	50.62	27.31	L1	gnd
0.45859	33.13	46.72	13.59	L1	gnd
0.57578	31.11	46.00	14.89	L1	gnd
2.19687	23.27	46.00	22.73	L1	gnd
4.93125	24.39	46.00	21.61	L1	gnd
29.09921	27.27	50.00	22.73	L1	gnd

802.11n(HT20), Channel No.: 1 N Line

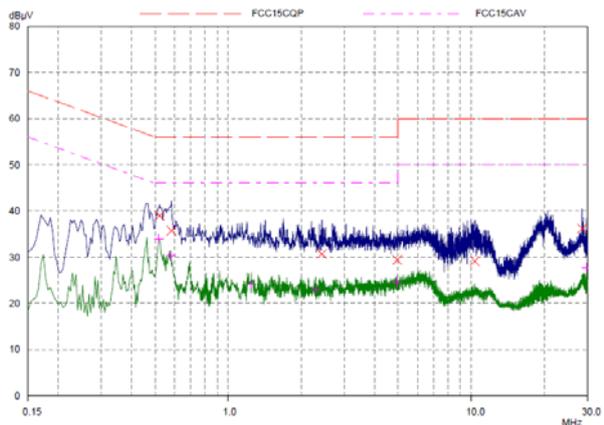


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.22421	40.99	62.66	21.67	N	gnd
0.56406	39.14	56.00	16.86	N	gnd
1.11093	35.74	56.00	20.26	N	gnd
3.02109	31.64	56.00	24.36	N	gnd
9.91953	38.47	60.00	21.53	N	gnd
16.26718	35.53	60.00	24.47	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.54843	26.12	46.00	19.88	N	gnd
0.95859	25.97	46.00	20.03	N	gnd
2.52109	22.90	46.00	23.10	N	gnd
6.20859	25.62	50.00	24.38	N	gnd
10.17734	29.80	50.00	20.20	N	gnd
28.17343	22.41	50.00	27.59	N	gnd

802.11n(HT20), Channel No.: 6 L Line



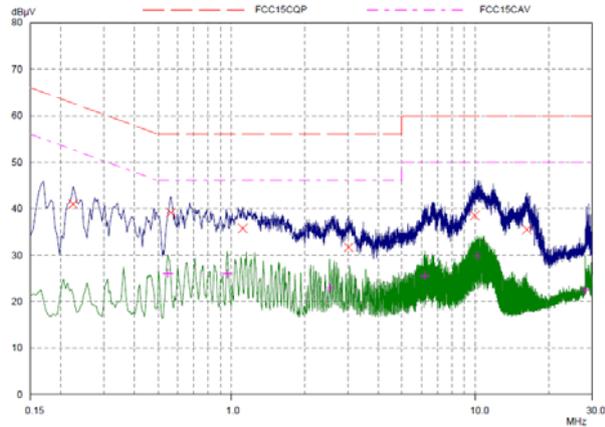
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.52109	39.00	56.00	17.00	L1	gnd
0.58359	35.74	56.00	20.26	L1	gnd
2.42343	30.72	56.00	25.28	L1	gnd
4.95859	29.40	56.00	26.60	L1	gnd
10.32968	29.16	60.00	30.84	L1	gnd
28.54062	36.19	60.00	23.81	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.51718	34.00	46.00	12.00	L1	gnd
0.57968	30.27	46.00	15.73	L1	gnd
1.24375	24.23	46.00	21.77	L1	gnd
2.28671	23.04	46.00	22.96	L1	gnd
4.93125	24.55	46.00	21.45	L1	gnd
29.8414	27.83	50.00	22.17	L1	gnd



802.11n(HT20), Channel No.: 6 N Line

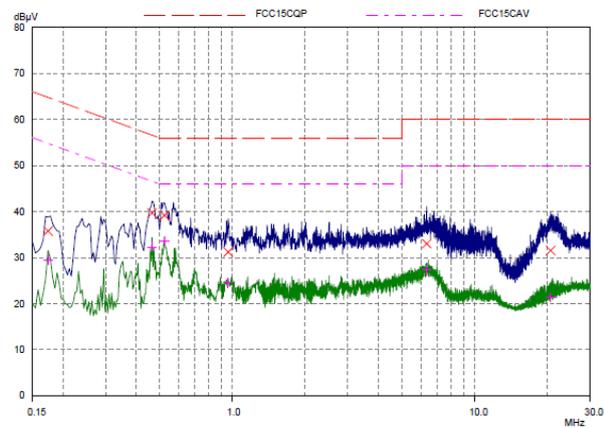


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.22421	40.99	62.66	21.67	N	gnd
0.56406	39.14	56.00	16.86	N	gnd
1.11093	35.74	56.00	20.26	N	gnd
3.02109	31.64	56.00	24.36	N	gnd
9.91953	38.47	60.00	21.53	N	gnd
16.26718	35.53	60.00	24.47	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.54843	26.12	46.00	19.88	N	gnd
0.95859	25.97	46.00	20.03	N	gnd
2.52109	22.90	46.00	23.10	N	gnd
6.20859	25.62	50.00	24.38	N	gnd
10.17734	29.80	50.00	20.20	N	gnd
28.17343	22.41	50.00	27.59	N	gnd

802.11n(HT20), Channel No.: 11 L Line

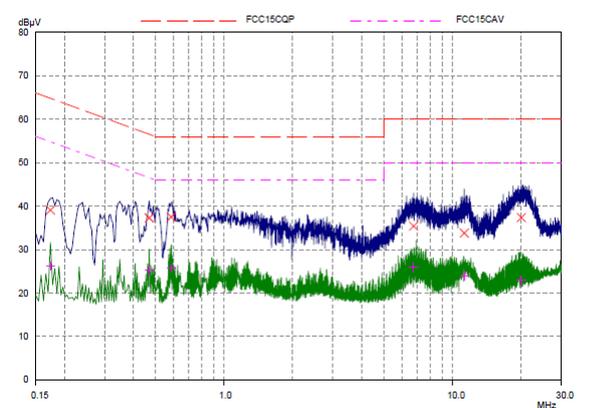


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.17343	35.76	64.79	29.03	L1	gnd
0.4664	39.69	56.58	16.89	L1	gnd
0.525	39.16	56.00	16.84	L1	gnd
0.9625	31.20	56.00	24.80	L1	gnd
6.34921	33.02	60.00	26.98	L1	gnd
20.65	31.52	60.00	28.48	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.17343	29.53	54.79	25.26	L1	gnd
0.4664	32.28	46.58	14.30	L1	gnd
0.525	33.57	46.00	12.43	L1	gnd
0.9625	24.54	46.00	21.46	L1	gnd
6.34921	27.26	50.00	22.74	L1	gnd
20.65	21.32	50.00	28.68	L1	gnd

802.11n(HT20), Channel No.: 11 N Line



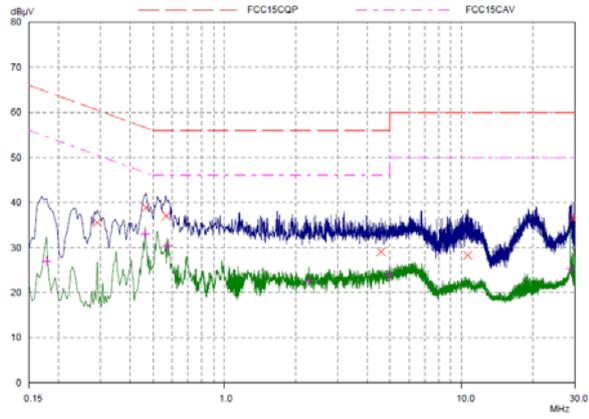
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.17343	39.06	64.79	25.73	N	gnd
0.47031	37.27	56.51	19.24	N	gnd
0.5875	37.50	56.00	18.50	N	gnd
6.76328	35.39	60.00	24.61	N	gnd
11.275	33.81	60.00	26.19	N	gnd
20.06796	37.35	60.00	22.65	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.17343	26.22	54.79	28.57	N	gnd
0.47031	25.17	46.51	21.34	N	gnd
0.5875	25.72	46.00	20.28	N	gnd
6.76328	25.90	50.00	24.10	N	gnd
11.275	23.98	50.00	26.02	N	gnd
20.06796	22.90	50.00	27.10	N	gnd



BLE, Channel No.: 0 L Line

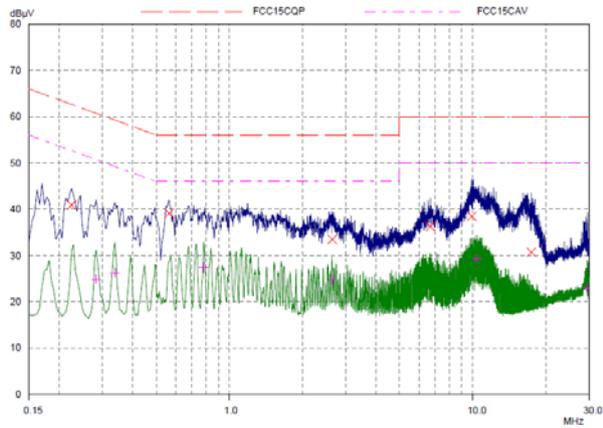


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.29062	35.52	60.51	24.99	L1	gnd
0.4664	38.87	56.58	17.71	L1	gnd
0.56796	37.06	56.00	18.94	L1	gnd
4.57187	29.07	56.00	26.93	L1	gnd
10.61093	28.27	60.00	31.73	L1	gnd
29.66562	36.61	60.00	23.39	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.17734	26.91	54.61	27.70	L1	gnd
0.4625	33.02	46.65	13.63	L1	gnd
0.57187	30.35	46.00	15.65	L1	gnd
2.26718	22.71	46.00	23.29	L1	gnd
4.95468	23.81	46.00	22.19	L1	gnd
28.72812	25.30	50.00	24.70	L1	gnd

BLE, Channel No.: 0 N Line

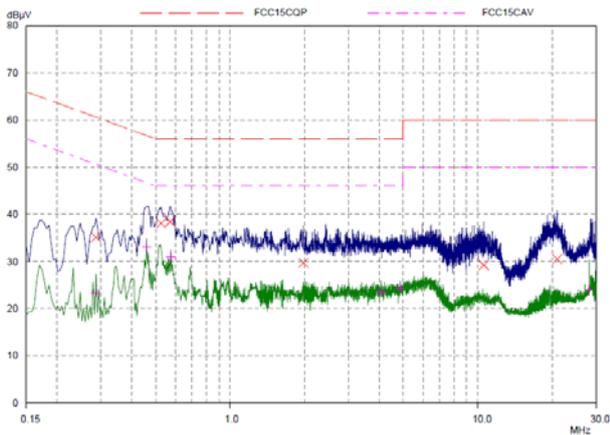


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.22421	40.87	62.66	21.79	N	gnd
0.56406	39.10	56.00	16.90	N	gnd
2.64218	33.49	56.00	22.51	N	gnd
6.69687	36.25	60.00	23.75	N	gnd
9.89609	38.47	60.00	21.53	N	gnd
17.4	30.72	60.00	29.28	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.28281	24.91	50.73	25.82	N	gnd
0.3375	26.28	49.26	22.98	N	gnd
0.78281	27.43	46.00	18.57	N	gnd
2.63437	24.88	46.00	21.12	N	gnd
10.39609	29.37	50.00	20.63	N	gnd
29.65781	23.00	50.00	27.00	N	gnd

BLE, Channel No.: 19 L Line



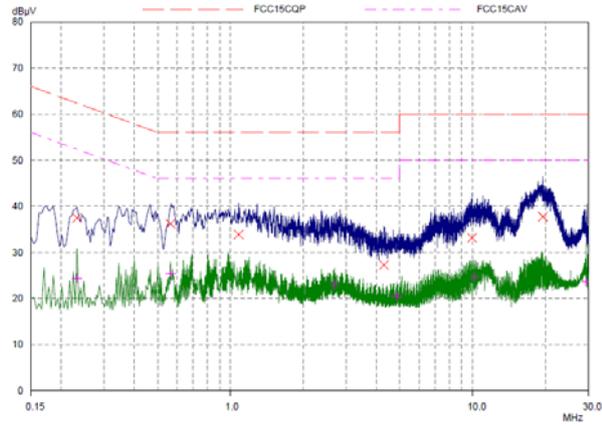
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.28671	35.14	60.62	25.48	L1	gnd
0.525	38.12	56.00	17.88	L1	gnd
0.57187	38.44	56.00	17.56	L1	gnd
1.97421	29.71	56.00	26.29	L1	gnd
10.56406	29.21	60.00	30.79	L1	gnd
20.90781	30.50	60.00	29.50	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.28671	23.36	50.62	27.26	L1	gnd
0.45859	33.13	46.72	13.59	L1	gnd
0.57578	31.04	46.00	14.96	L1	gnd
4.06015	23.49	46.00	22.51	L1	gnd
4.85703	24.31	46.00	21.69	L1	gnd
28.17343	24.03	50.00	25.97	L1	gnd



BLE, Channel No.: 19 N Line

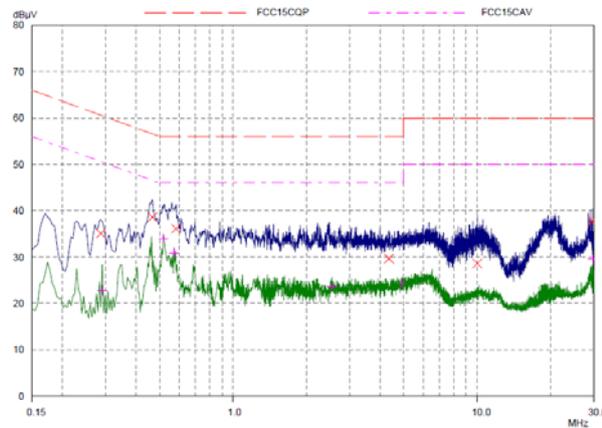


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.23203	37.48	62.38	24.90	N	gnd
0.56406	36.22	56.00	19.78	N	gnd
1.07968	33.88	56.00	22.12	N	gnd
4.29843	27.27	56.00	28.73	N	gnd
9.94296	33.15	60.00	26.85	N	gnd
19.49765	37.75	60.00	22.25	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.23203	24.39	52.38	27.99	N	gnd
0.56406	25.31	46.00	20.69	N	gnd
2.68906	22.96	46.00	23.04	N	gnd
4.86093	20.42	46.00	25.58	N	gnd
10.15781	24.61	50.00	25.39	N	gnd
29.4664	23.68	50.00	26.32	N	gnd

BLE, Channel No.: 39 L Line

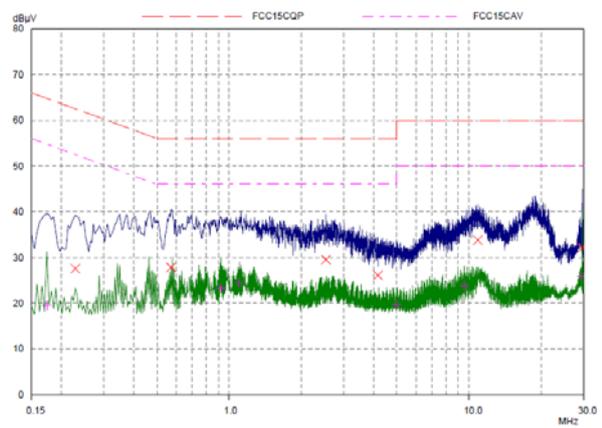


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.28671	35.14	60.62	25.48	L1	gnd
0.4664	38.61	56.58	17.97	L1	gnd
0.58359	36.16	56.00	19.84	L1	gnd
4.34921	29.69	56.00	26.31	L1	gnd
10.01328	28.60	60.00	31.40	L1	gnd
29.66171	37.75	60.00	22.25	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.29062	22.85	50.51	27.66	L1	gnd
0.51718	34.00	46.00	12.00	L1	gnd
0.57187	30.89	46.00	15.11	L1	gnd
2.53671	23.59	46.00	22.41	L1	gnd
4.91562	24.31	46.00	21.69	L1	gnd
29.84531	29.59	50.00	20.41	L1	gnd

BLE, Channel No.: 39 N Line



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.22812	27.55	62.52	34.97	N	gnd
0.57187	27.84	56.00	28.16	N	gnd
2.5289	29.54	56.00	26.46	N	gnd
4.16561	26.10	56.00	29.90	N	gnd
10.87656	33.78	60.00	26.22	N	gnd
29.66171	32.15	60.00	27.85	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.17343	19.53	54.79	35.26	N	gnd
0.92343	23.35	46.00	22.65	N	gnd
1.10312	24.39	46.00	21.61	N	gnd
4.99765	19.70	46.00	26.30	N	gnd
9.55234	23.85	50.00	26.15	N	gnd
29.65781	25.92	50.00	24.08	N	gnd



6. Main Test Instruments

Name	Type	Manufacturer	Serial Number	Calibration Date	Expiration Time
EMI Test Receiver	ESCI	R&S	100948	2015-05-22	2016-05-21
Loop Antenna	FMZB1519	SCHWARZBECK	1519-047	2014-02-29	2017-02-28
TRILOG Broadband Antenna	VULB 9163	Schwarzbeck	9163-201	2014-12-06	2017-12-05
Double Ridged Waveguide Horn Antenna	HF907	R&S	100126	2014-12-06	2017-12-05
Standard Gain Horn	3160-09	ETS-Lindgren	00102644	2015-01-30	2018-01-29
EMI Test Receiver	ESCS30	R&S	100138	2015-12-17	2016-12-16
LISN	ENV216	R&S	101171	2013-12-18	2016-12-17
Spectrum Analyzer	E4445A	Agilent	MY46181146	2015-05-22	2016-05-21
Spectrum Analyzer	N9010A	Agilent	MY47191109	2015-05-22	2016-05-21
MOB COMMS DC SUPPLY	66319D	Agilent	MY43004105	2015-05-22	2016-05-21
Peak Power Meter	8990B	Agilent	51000109	2015-04-26	2016-04-25
Wideband Power Sensors	N1923A	Agilent	MY51220004	2015-04-26	2016-04-25
Spectrum Analyzer	FSV30	R&S	100815	2015-12-17	2016-12-16
RF Cable	SMA 15cm	Agilent	0001	2015-12-09	2016-02-08

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