中国认可
国际互认
检测
TESTING
CNAS L2264

RF TEST REPORT

Applicant	ZTE CORPORATION
FCC ID	SRQ-ZTU31
Product	LTE/WCDMA/GSM (GPRS) Multi-Mode Digital Mobile Phone
Brand	ZTE
Model	ZTU31/ZTE Blade V770/Blade V770
Report No.	RXC1611-0258RF05R2
Issue Date	February 7, 2017

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15C (2016)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Xianqing Li

Performed by: Xianqing Li

Kai Xu

Approved by: Kai Xu

TA Technology (Shanghai) Co., Ltd.

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Summary of measurement results

Number	Summary of measurements of results	Clause in FCC rules	Verdict
1	Maximum Average conducted output power	15.247(b)(3)	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: November 18, 2016 ~ December 5, 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
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E-mail:	xukai@ta-shanghai.com

2. General Description of Equipment under Test

Client Information

Applicant	ZTE CORPORATION
Applicant address	ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District Shenzhen, Guangdong, 518057, P.R. China
Manufacturer	ZTE CORPORATION
Manufacturer address	ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District Shenzhen, Guangdong, 518057, P.R. China

General information

EUT Description	
Model Number:	ZTU31/ZTE Blade V770/Blade V770
IMEI:	863682030001706
Hardware Version:	uu9A
Software Version:	KDDI_JP_BV770_V1.0
Power Supply:	Battery/AC adapter
Antenna Type:	Internal Antenna
Antenna Connector:	A permanently attached antenna (meet with the standard FCC Part 15.203 requirement)
additional beamforming gain:	0 dB
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: 13.58 dBm BLE: -1.80 dBm
Operating Frequency Range(s)	Wi-Fi 2.4G: 2412 ~ 2462 MHz BLE: 2402 ~2480 MHz
EUT Accessory	
Battery	Manufacturer: SCUD (Fujian) Electronics Co., Ltd Model: Li3925T44P8h786035
USB Cable	100cm Cable, Shielded
Note: The information of the EUT is declared by the manufacturer. Please refer to the specifications or user manual for details.	

3. Applied Standards

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

Test standards

- **FCC CFR47 Part 15C (2016) Radio Frequency Devices**
- **ANSI C63.10 (2013)**
- **KDB 558074 D01 DTS Meas Guidance v03r05**

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	1 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0

5. Test Case Results

5.1. Average Power Output –Conducted

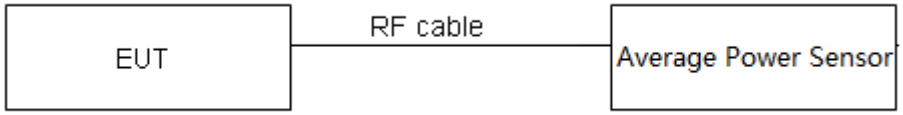
Ambient condition

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 Average power meter with a known loss. The EUT is max power transmission with proper modulation. The Average detector is used. We use Maximum Average 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."

Average Output Power	≤ 1W (30dBm)

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)	Average Output Power (dBm)	Limit (dBm)	Conclusion
802.11b	2412	13.58	30	PASS
	2437	12.87	30	PASS
	2462	13.10	30	PASS
802.11g	2412	13.08	30	PASS
	2437	12.79	30	PASS
	2462	12.97	30	PASS
802.11n HT20	2412	9.67	30	PASS
	2437	8.96	30	PASS
	2462	9.61	30	PASS
Bluetooth (Low Energy)	2402	-2.1	30	PASS
	2440	-1.8	30	PASS
	2480	-2.2	30	PASS

5.2. 6dB Bandwidth

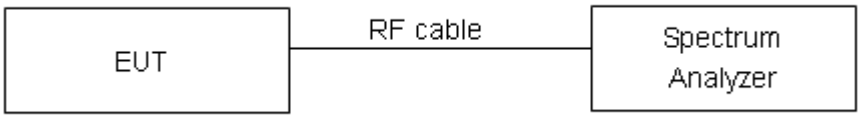
Ambient condition

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

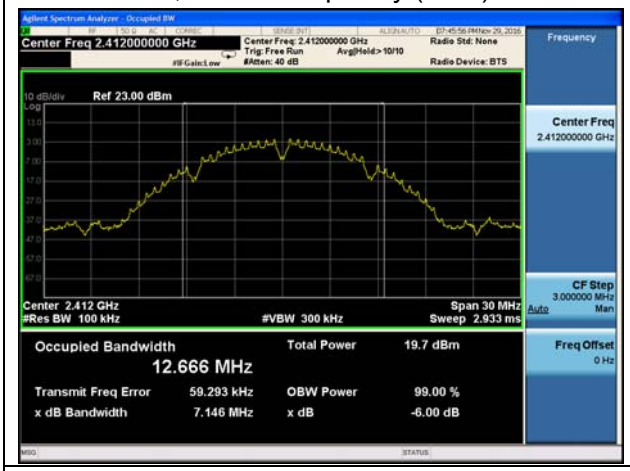
Measurement Uncertainty

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:

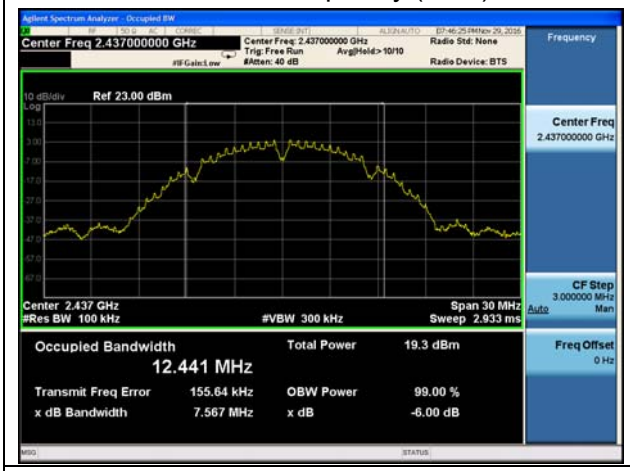
Network Standards	Carrier frequency (MHz)	Minimum 6 dB bandwidth (MHz)	99% Bandwidth (MHz)	Limit (kHz)	Conclusion
802.11b	2412	7.146	12.666	500	PASS
	2437	7.567	12.441	500	PASS
	2462	7.597	12.534	500	PASS
802.11g	2412	16.350	16.512	500	PASS
	2437	16.390	16.585	500	PASS
	2462	16.110	16.702	500	PASS
802.11n HT20	2412	17.550	17.638	500	PASS
	2437	17.580	17.706	500	PASS
	2462	16.760	17.787	500	PASS
Bluetooth (Low Energy)	2402	0.689	1.0896	500	PASS
	2440	0.678	1.0876	500	PASS
	2480	0.685	1.0876	500	PASS

802.11b, Carrier frequency (MHz): 2412



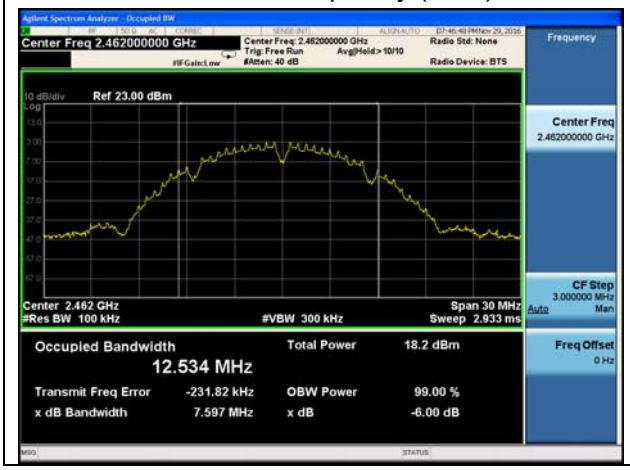
802.11g, Carrier frequency (MHz): 2412

802.11b, Carrier frequency (MHz): 2437



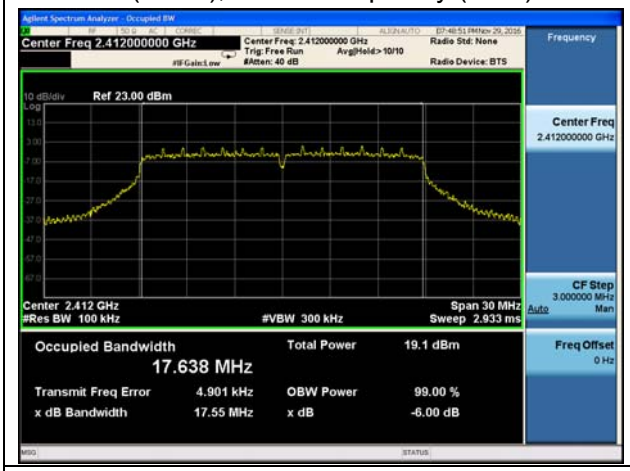
802.11g, Carrier frequency (MHz): 2437

802.11b, Carrier frequency (MHz):2462



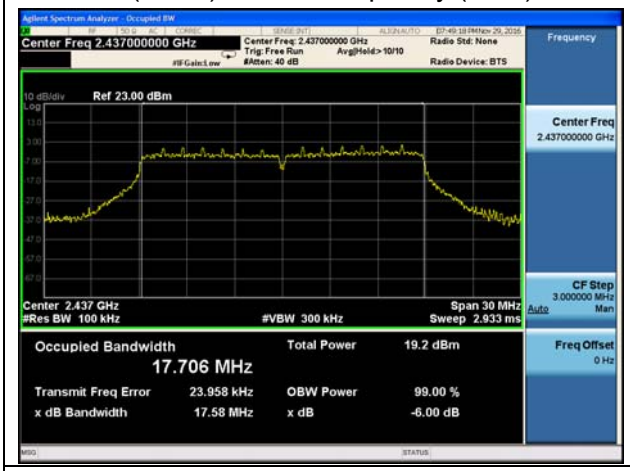
802.11g, Carrier frequency (MHz):2462

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



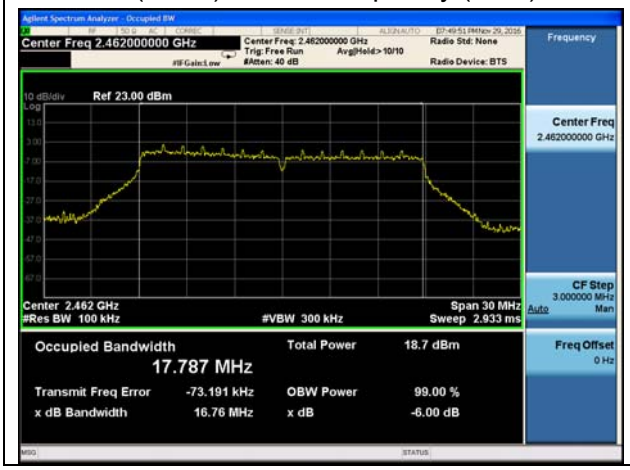
BLE Carrier frequency (MHz): 2402

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

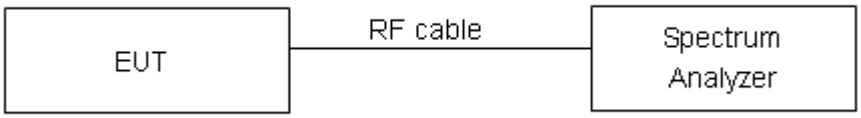
Ambient condition

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.”

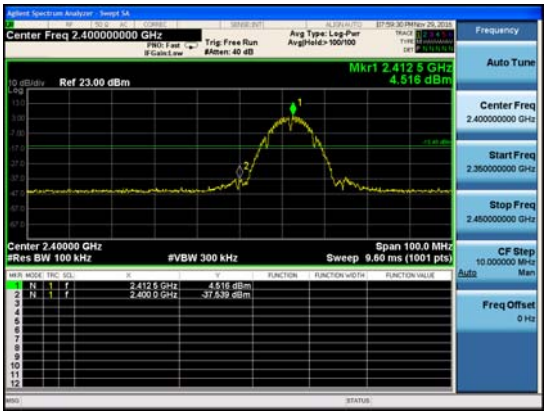
Measurement Uncertainty

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

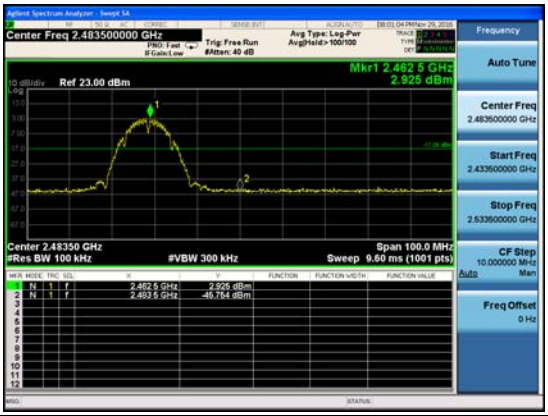
Frequency	Uncertainty
2GHz-3GHz	1.407 dB

Test Results: PASS

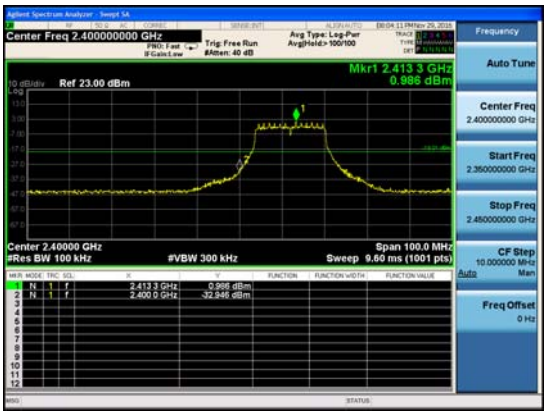
802.11b, Channel No.: 1



802.11b, Channel No.: 11

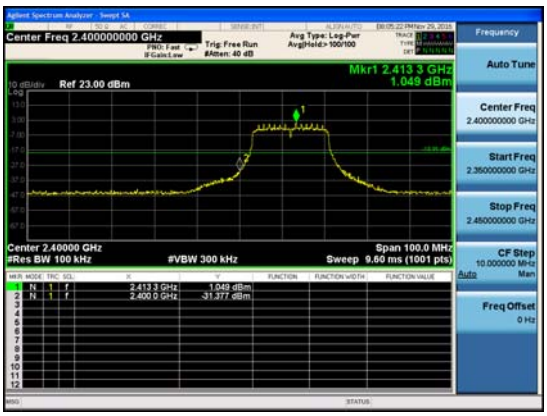


802.11g, Channel No.: 1

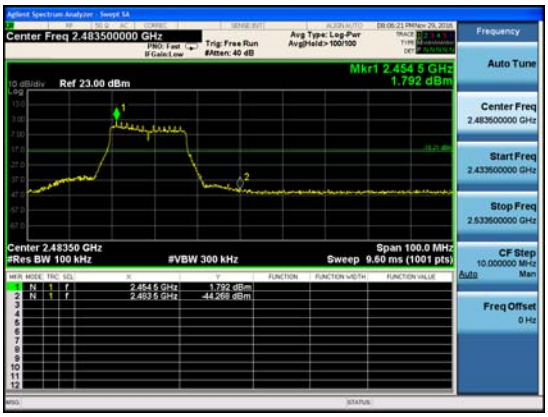


802.11g, Channel No.: 11

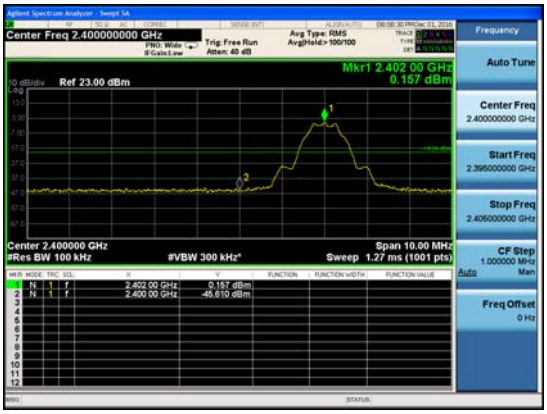
802.11n(HT20), Channel No.: 1



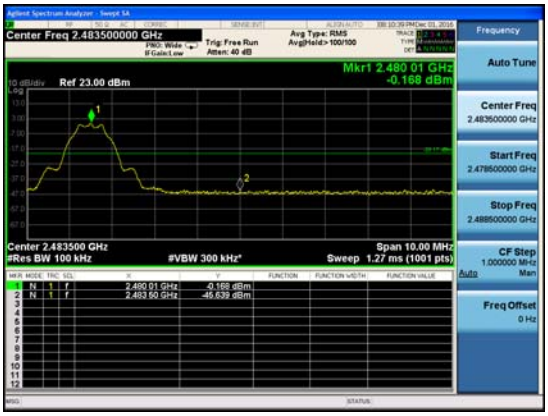
802.11n(HT20), Channel No.: 11



BLE, Channel No.: 0



BLE, Channel No.: 39



5.4. Power Spectral Density

Ambient condition

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

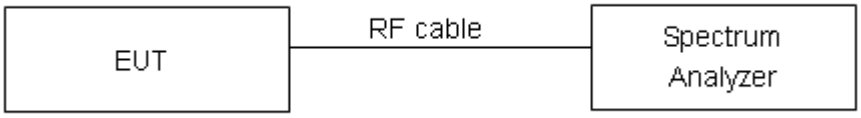
Method of Measurement

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 Average 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

Measurement Uncertainty

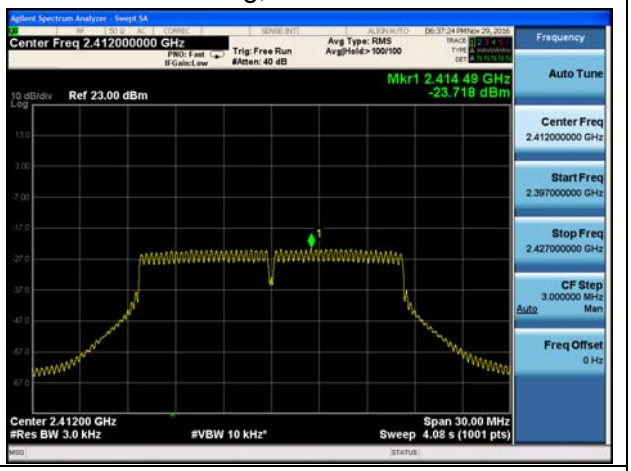
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 0.75dB.

Test Results:

Network Standards	Channel Number	Power Spectral Density (dBm / 3kHz)	Limit (dBm / 3kHz)	Conclusion
802.11b	1	-19.764	8	PASS
	6	-20.135	8	PASS
	11	-21.133	8	PASS
802.11g	1	-23.718	8	PASS
	6	-23.035	8	PASS
	11	-23.061	8	PASS
802.11n HT20	1	-23.810	8	PASS
	6	-22.948	8	PASS
	11	-23.297	8	PASS
Bluetooth (Low Energy)	0	-18.798	8	PASS
	19	-18.958	8	PASS
	39	-19.059	8	PASS

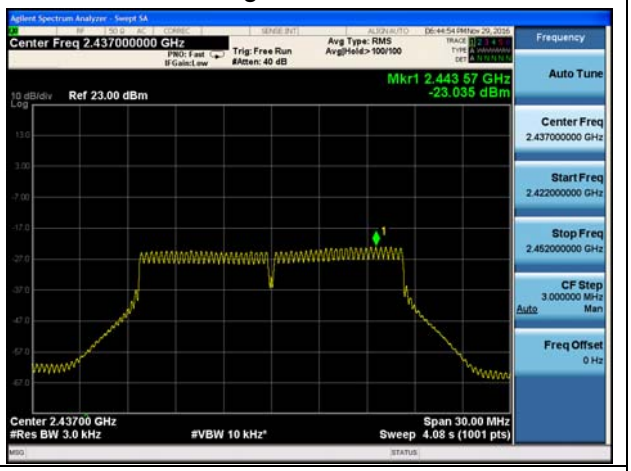
802.11b, Channel No.: 1

802.11g, Channel No.: 1



802.11b, Channel No.: 6

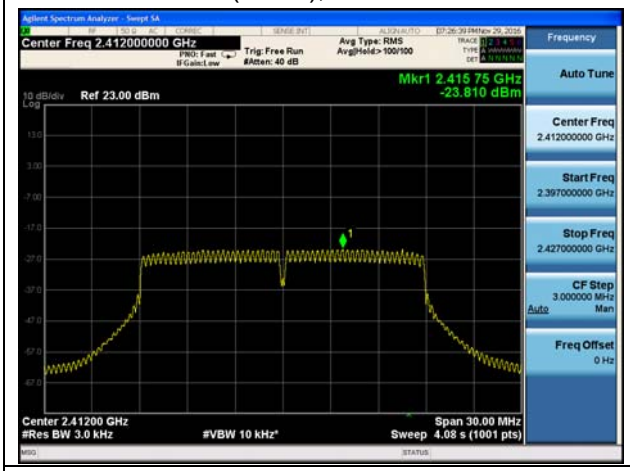
802.11g, Channel No.: 6



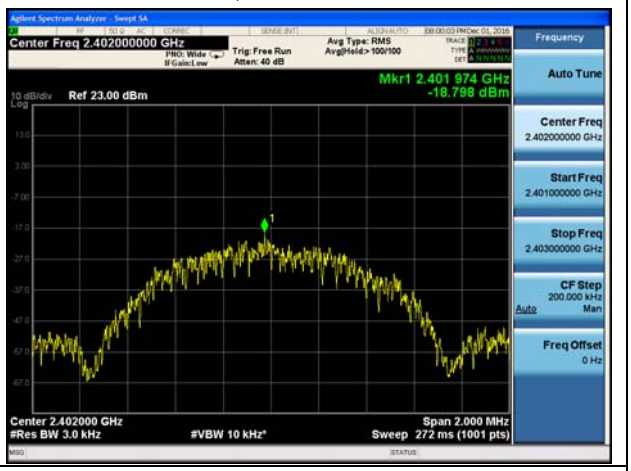
802.11b, Channel No.: 11

802.11g, Channel No.: 11

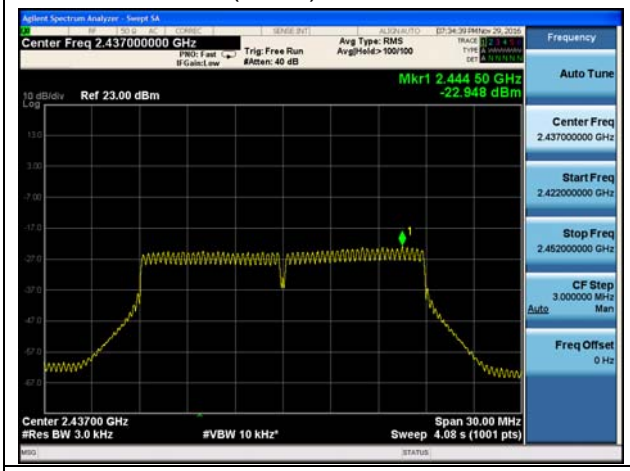
802.11n(HT20), Channel No. 1



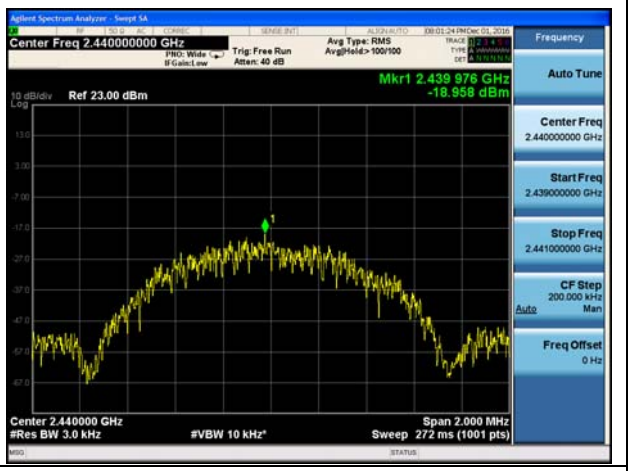
BLE, Channel No.: 0



802.11n(HT20), Channel No. 6

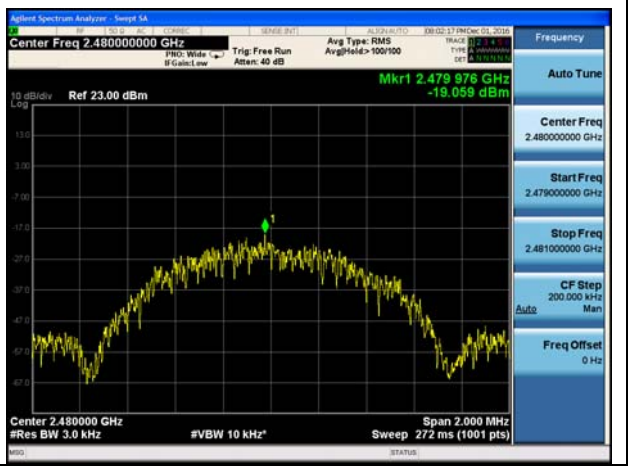


BLE, Channel No.: 19



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.

Test setup

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 (dBm)
802.11b	2412	-1.16	-21.16
	2437	-2.56	-22.56
	2462	-3.29	-23.29
802.11g	2412	-4.75	-24.75
	2437	-6.59	-26.59
	2462	-7.47	-27.47
802.11n HT20	2412	-5.00	-25.00
	2437	-6.78	-26.78
	2462	-8.26	-28.26
Bluetooth (Low Energy)	2402	-1.99	-21.99
	2440	-1.20	-21.20
	2480	-0.79	-20.79

Measurement Uncertainty

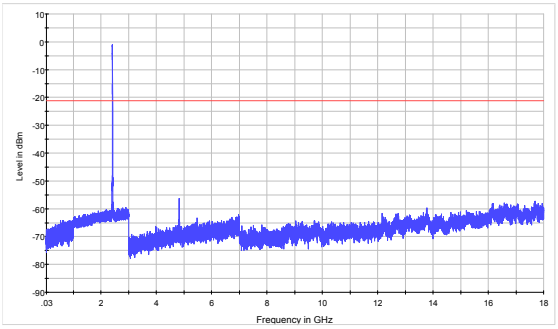
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor *k* = 1.96.

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

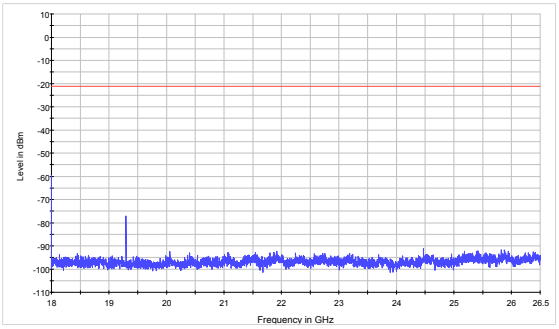
Test Results:

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

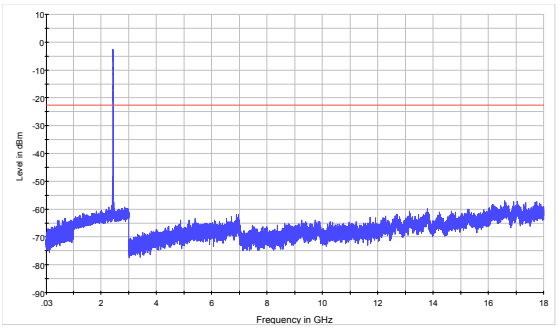
The signal beyond the limit is carrier.



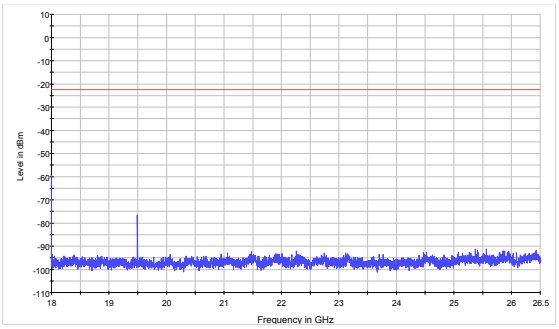
802.11b CH1 30MHz to 18GHz



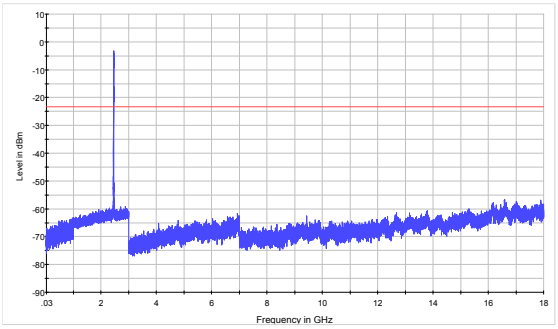
802.11b CH1 18GHz to 26.5GHz



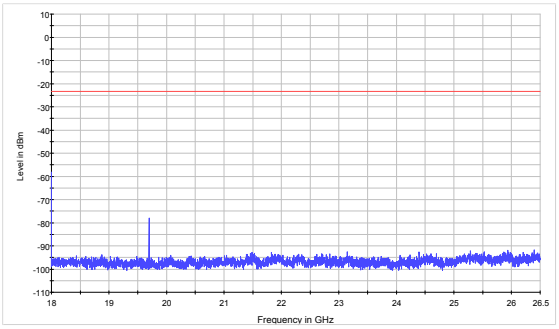
802.11b CH6 30MHz to 18GHz



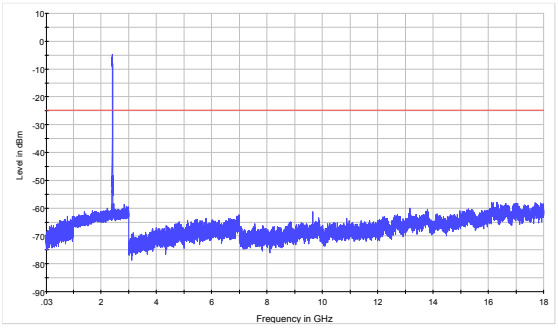
802.11b CH6 18GHz to 26.5GHz



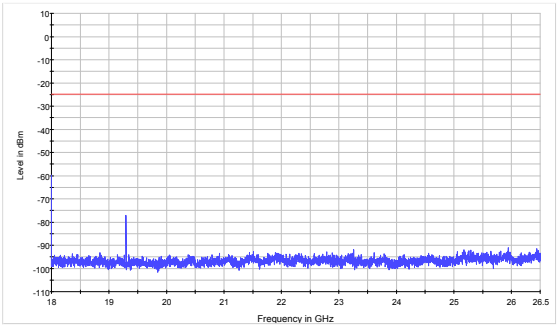
802.11b CH11 30MHz to 18GHz



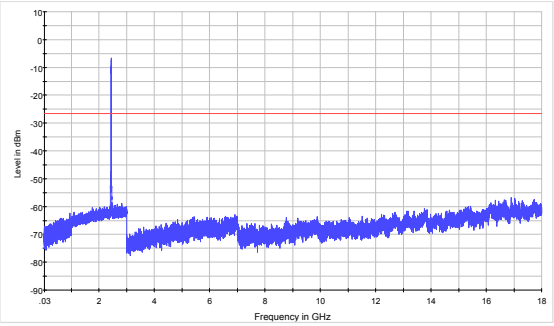
802.11b CH11 18GHz to 26.5GHz



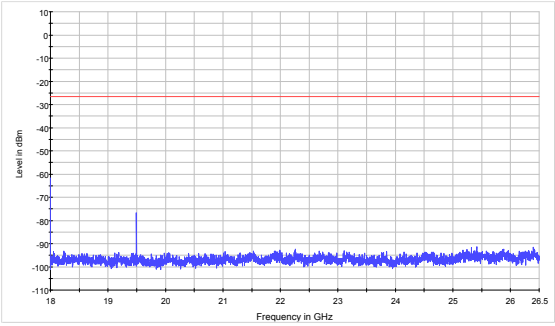
802.11g CH1 30MHz to 18GHz



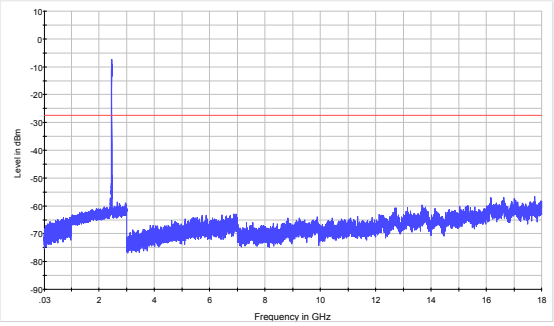
802.11g CH1 18GHz to 26.5GHz



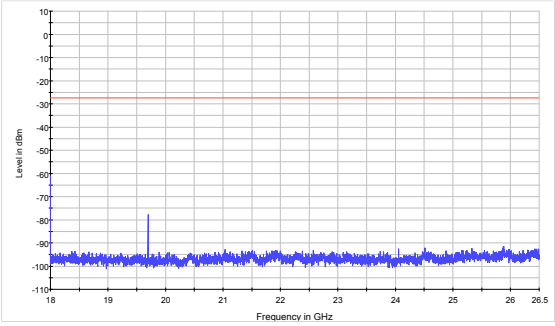
802.11g CH6 30MHz to 18GHz



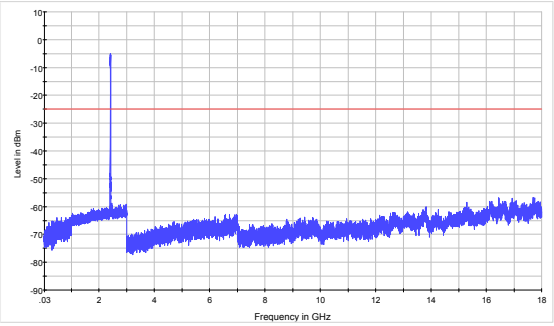
802.11g CH6 18GHz to 26.5GHz



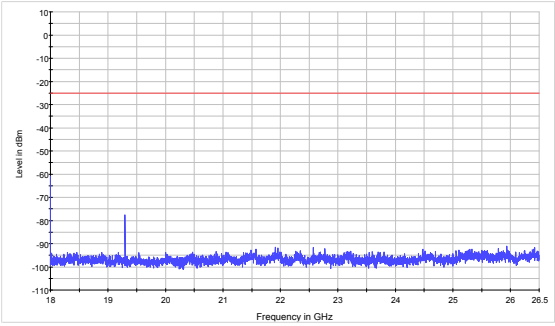
802.11g CH11 30MHz to 18GHz



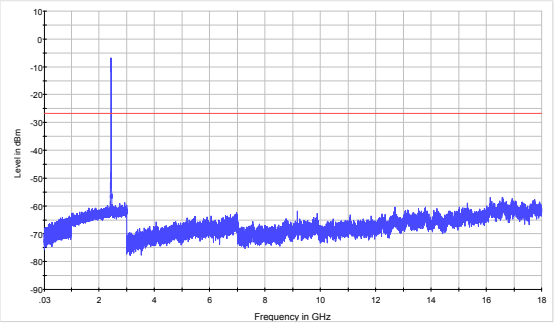
802.11g CH11 18GHz to 26.5GHz



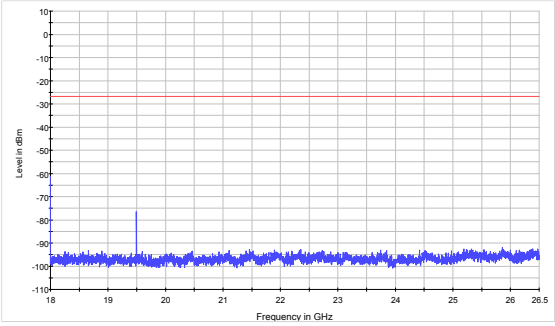
802.11n (HT20) CH1 30MHz to 18GHz



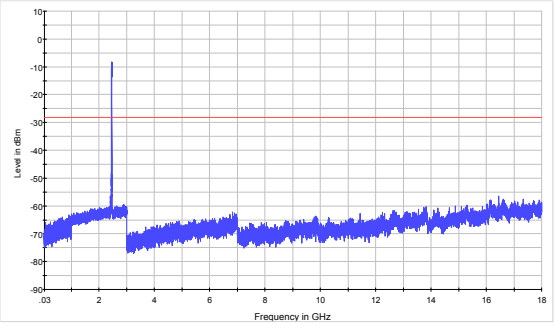
802.11n (HT20) CH1 18GHz to 26.5GHz



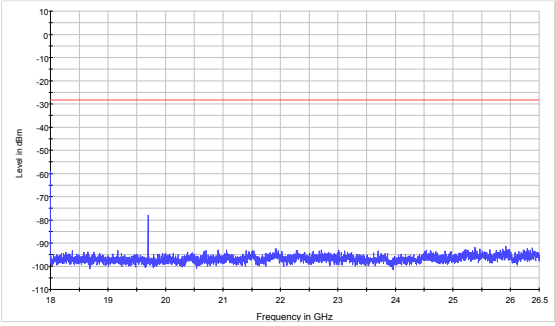
802.11n (HT20) CH6 30MHz to 18GHz



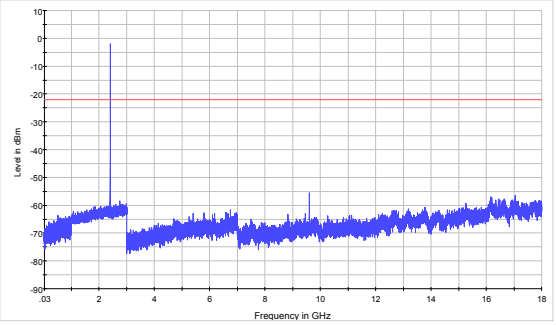
802.11n (HT20) CH6 18GHz to 26.5GHz



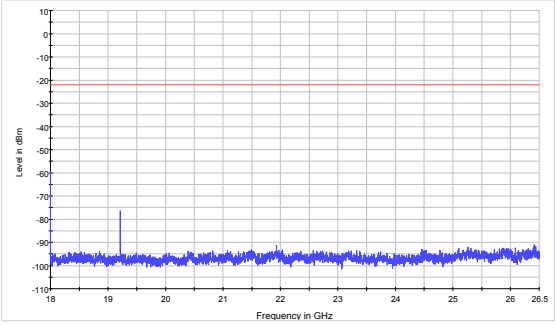
802.11n (HT20) CH11 30MHz to 18GHz



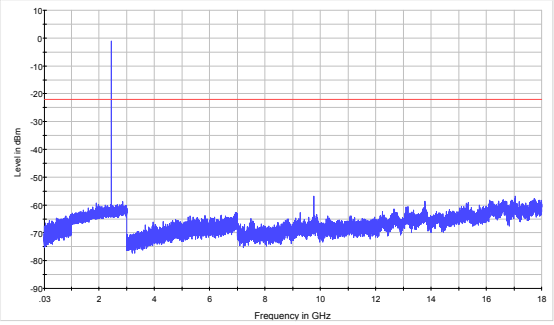
802.11n (HT20) CH11 18GHz to 26.5GHz



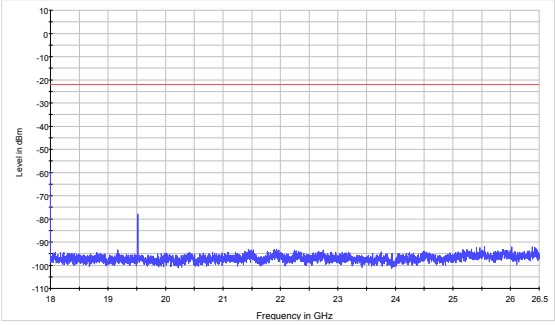
BLE CH0 30MHz to 18GHz



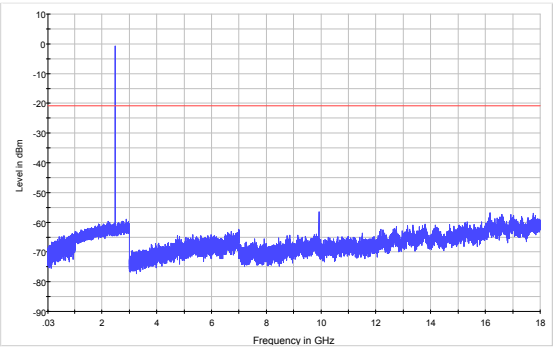
BLE CH0 18GHz to 26.5GHz



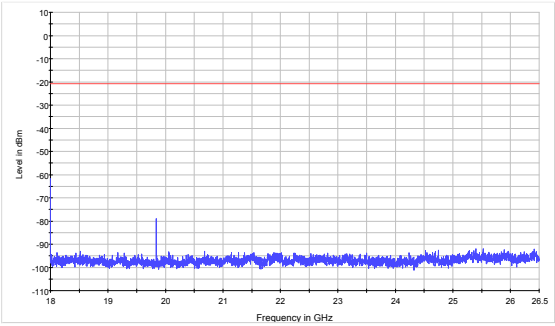
BLE CH19 30MHz to 18GHz



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

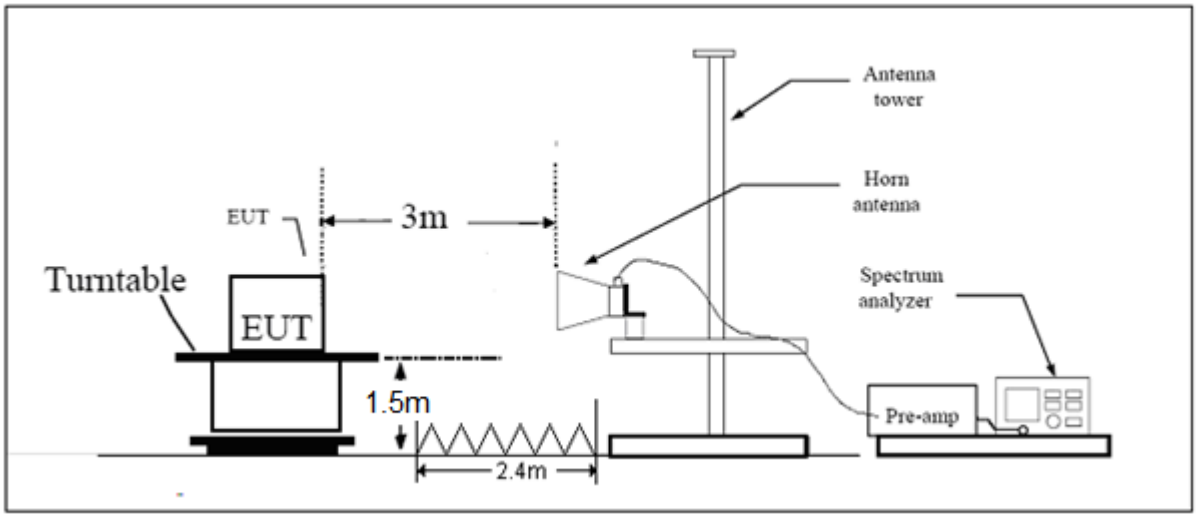
The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. 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=1MHz / 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

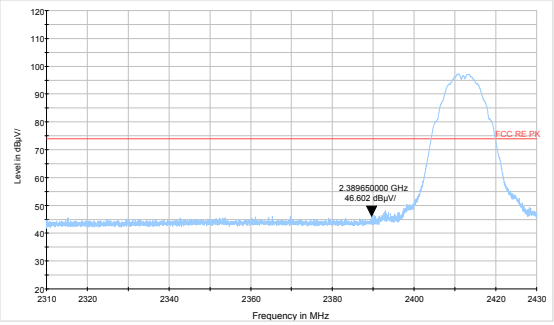
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96, U= 3.55 dB.

Test Results:

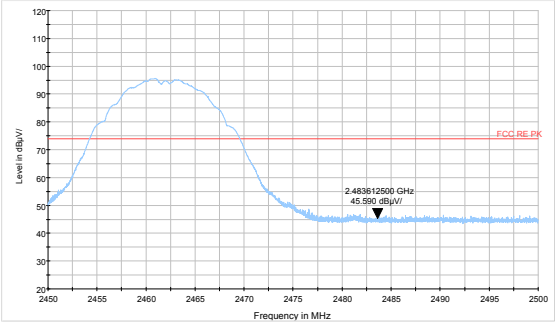
PASS

The signal beyond the limit is carrier.

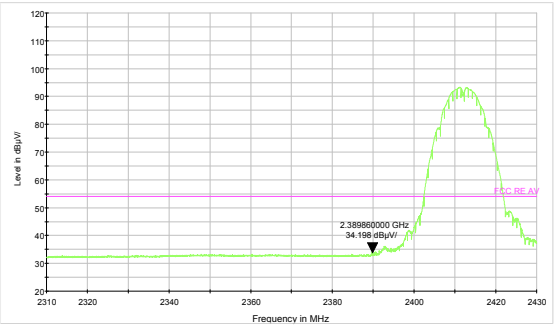
802.11b-Channel 1: Peak



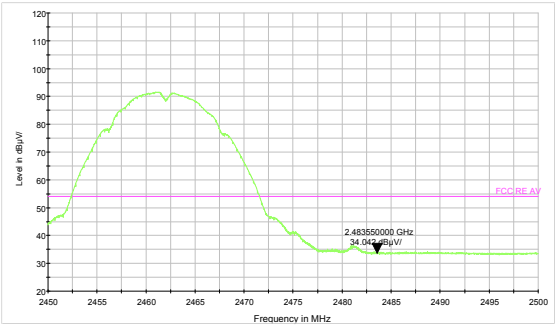
802.11b-Channel 11: Peak



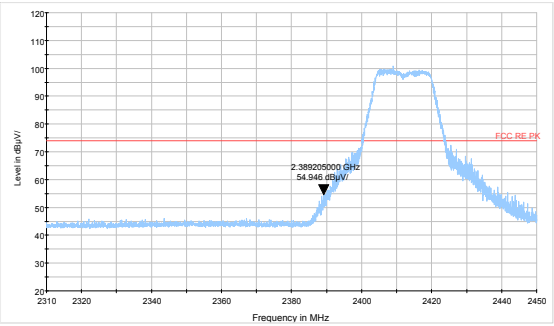
802.11b-Channel 1: Average



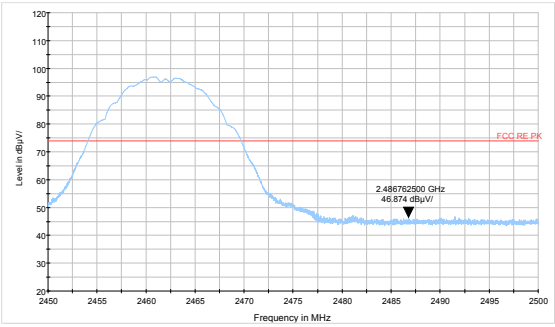
802.11b-Channel 11: Average



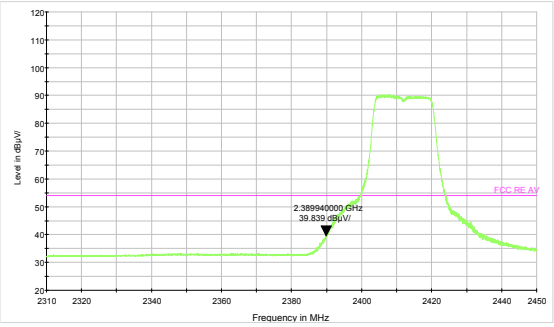
802.11g-Channel 1: Peak



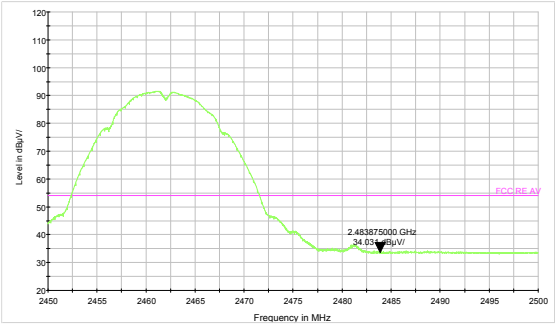
802.11g-Channel 11: Peak



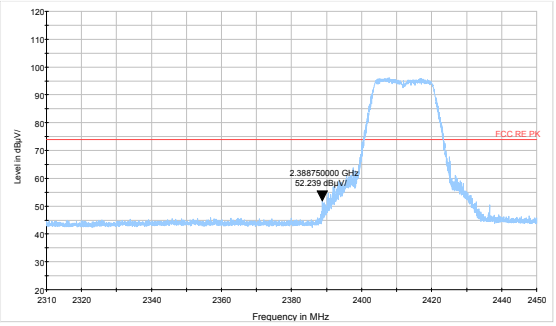
802.11g-Channel 1: Average



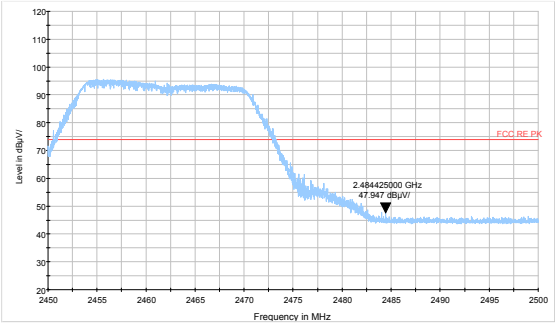
802.11g-Channel 11: Average



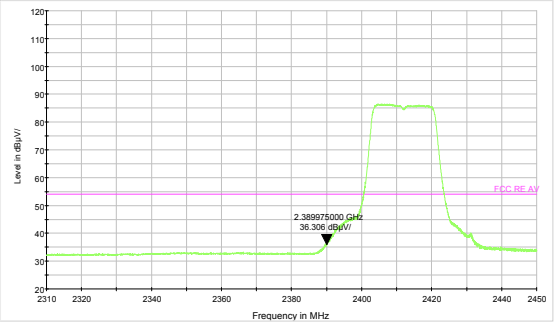
802.11n HT20 -Channel 1: Peak



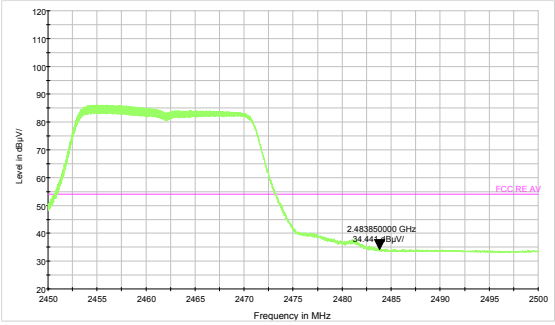
802.11n HT20-Channel 11: Peak



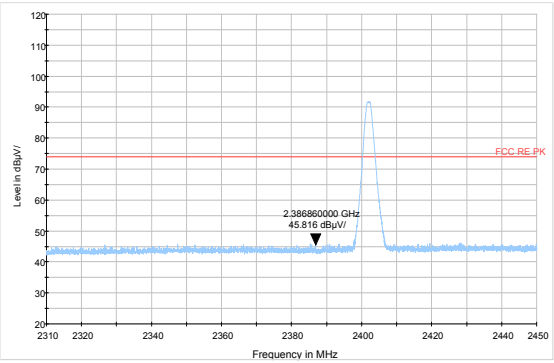
802.11n HT20-Channel 1: Average



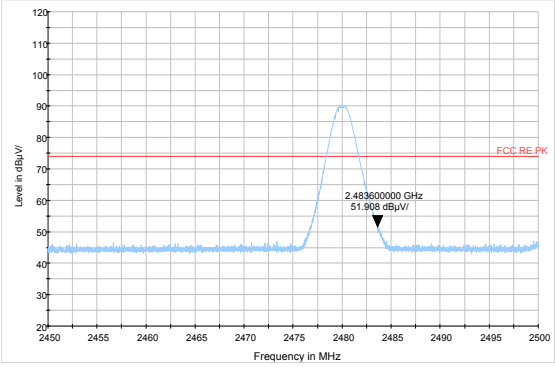
802.11n HT20-Channel 11: Average



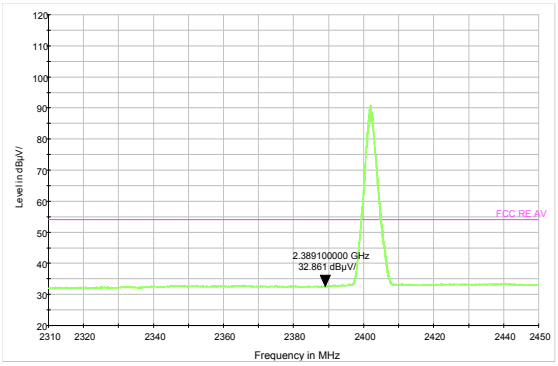
BLE -Channel 0: Peak



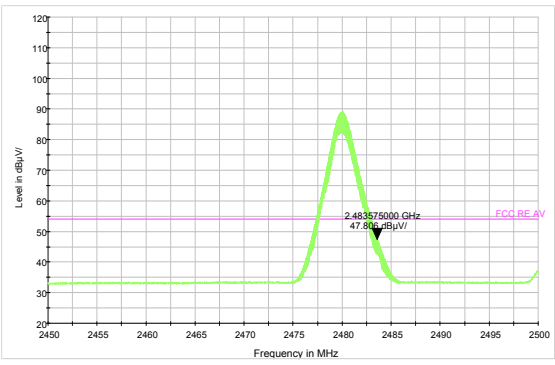
BLE -Channel 39: Peak



BLE -Channel 0: Average



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.

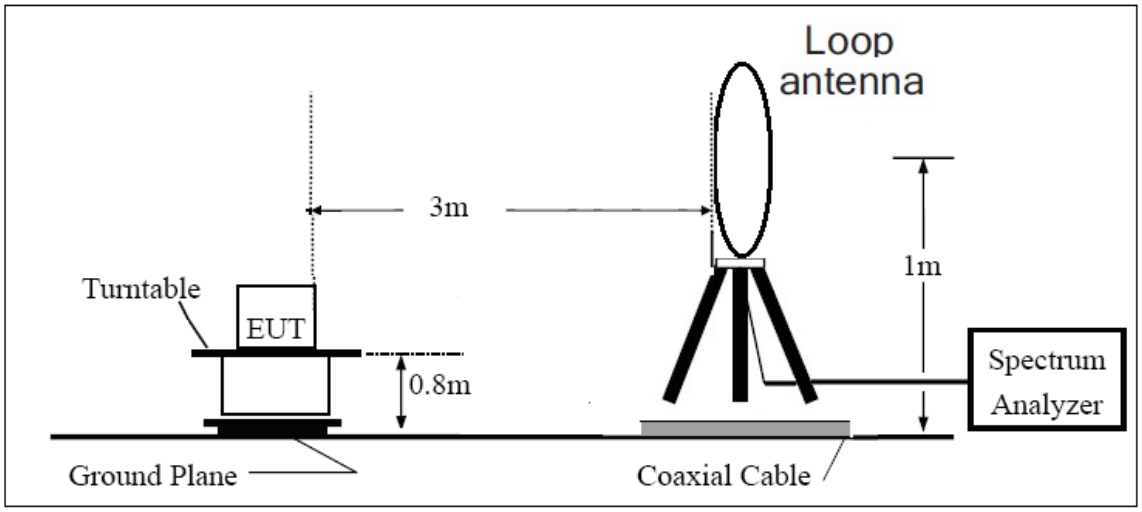
During the test, below 30MHz, the center of the loop shall be 1 meters; above 30MHz, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum 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.

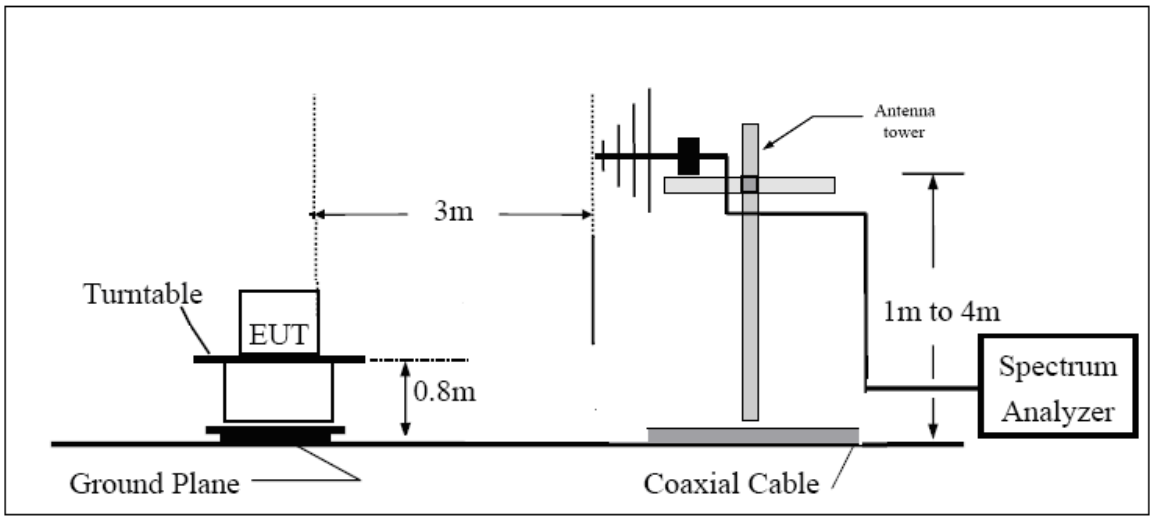
The test is in transmitting mode.

Test setup

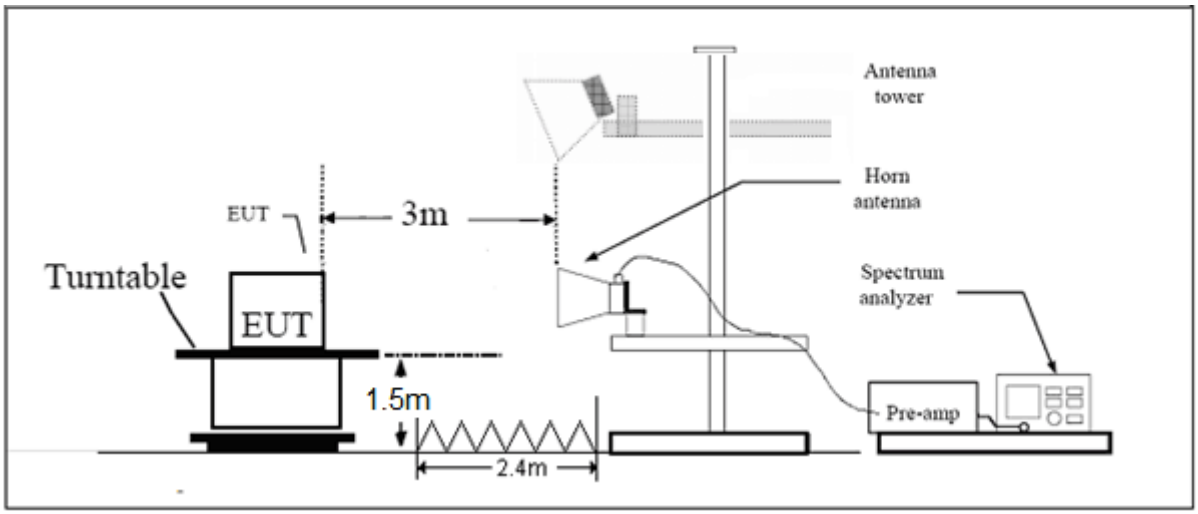
9KHz~~~ 30MHz



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 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.

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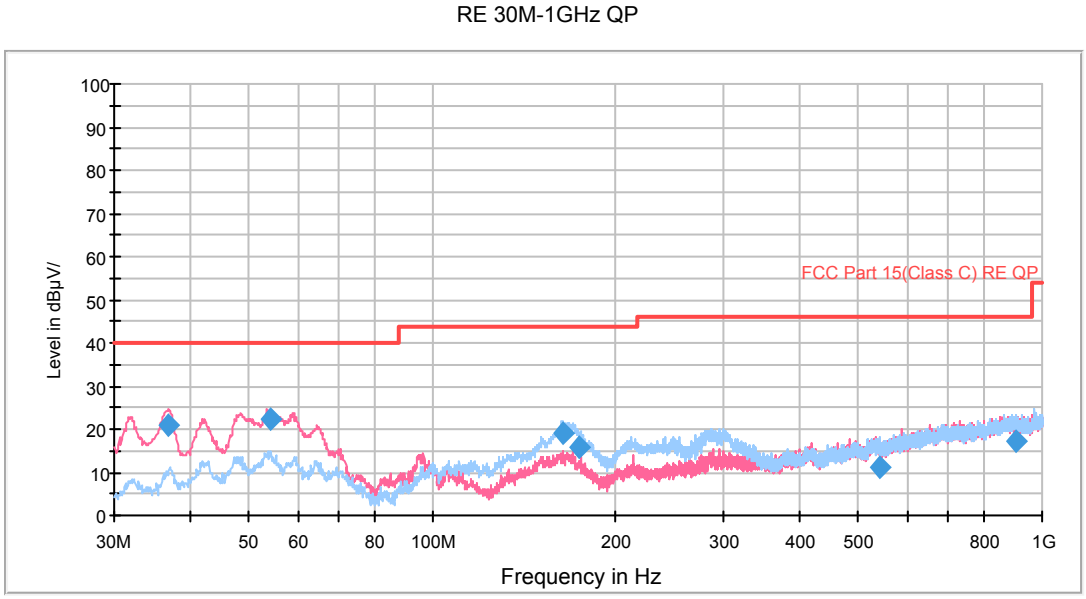


Radiates Emission from 30MHz to 1GHz

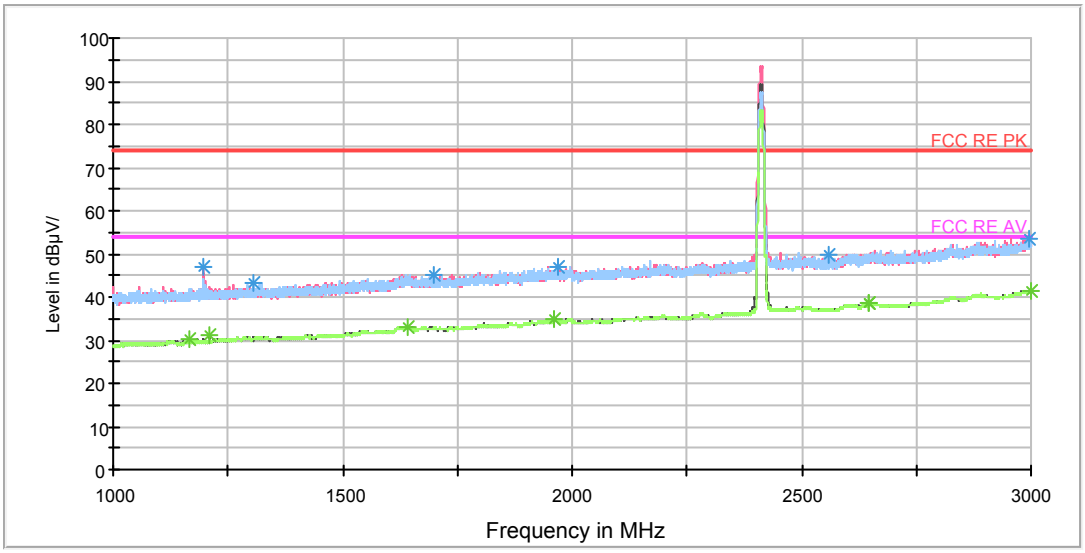
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.858972	21.0	100.0	V	283.0	43.2	-22.2	19.0	40.0
53.993428	22.4	127.0	V	210.0	43.3	-20.9	17.6	40.0
163.403722	19.0	127.0	H	278.0	47.4	-28.4	24.5	43.5
174.293675	15.7	127.0	H	279.0	44.4	-28.7	27.8	43.5
541.125750	11.3	102.0	H	279.0	29.6	-18.3	34.7	46.0
905.174500	17.2	100.0	H	157.0	30.1	-12.9	28.8	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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

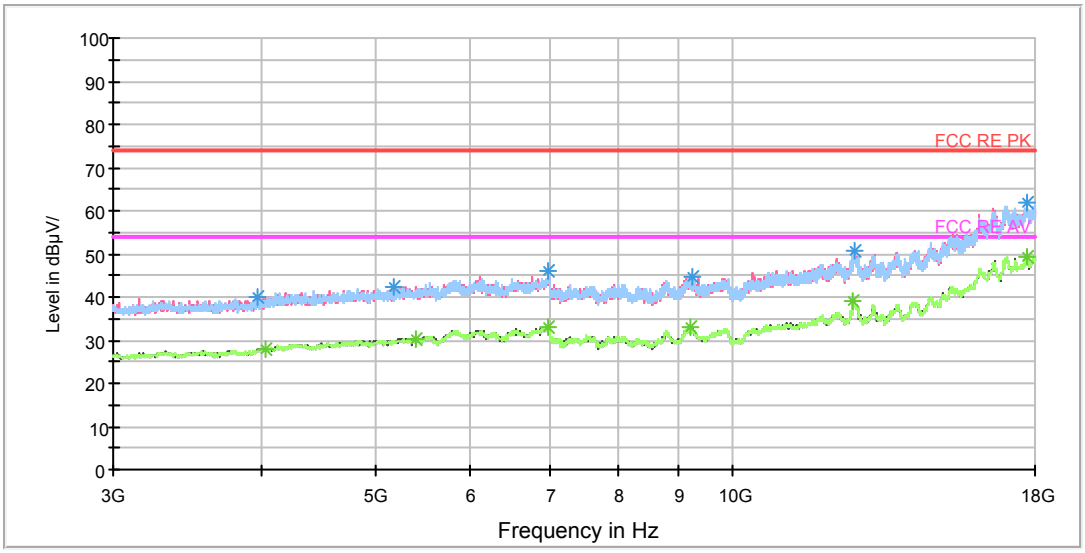
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1195.750000	46.9	102.0	V	21.0	55.1	-8.2	27.1	74
1304.250000	43.4	102.0	H	0.0	51.2	-7.8	30.6	74
1700.750000	45.3	102.0	V	307.0	50.2	-4.9	28.7	74
1971.500000	46.9	102.0	V	73.0	50.5	-3.6	27.1	74
2560.250000	49.8	102.0	V	237.0	50.3	-0.5	24.2	74
2994.500000	53.5	102.0	V	0.0	55.8	2.3	20.5	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)
1165.000000	30.4	102.0	H	49.0	38.6	-8.2	23.6	54
1211.000000	31.2	102.0	V	0.0	39.2	-8.0	22.8	54
1640.750000	33.1	102.0	H	0.0	37.8	-4.7	20.9	54
1960.750000	34.9	102.0	V	121.0	38.1	-3.2	19.1	54
2646.500000	38.6	102.0	V	0.0	38.9	0.3	15.4	54
2646.500000	38.6	102.0	V	0.0	38.9	0.3	15.4	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

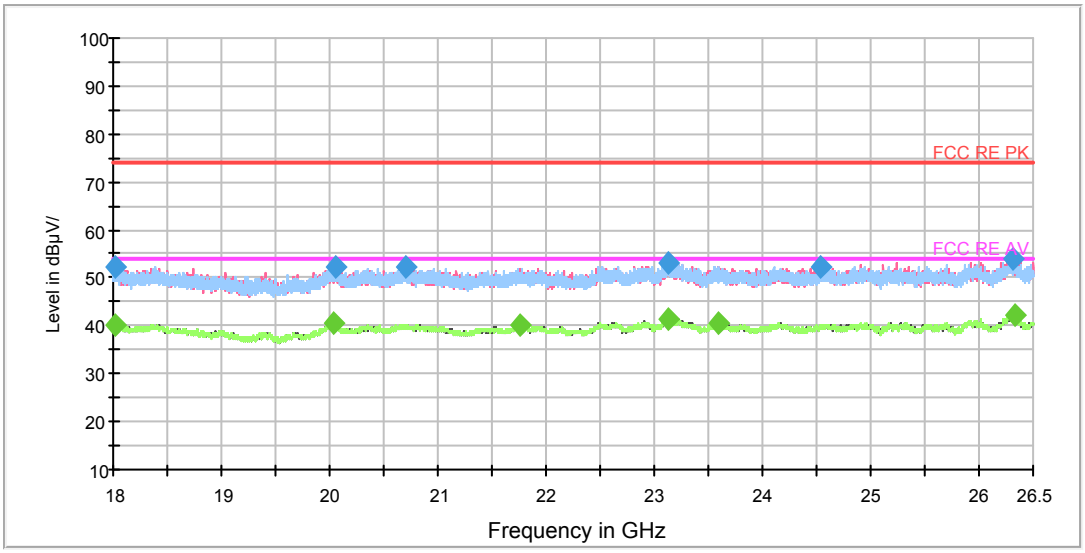
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3971.250000	39.8	102.0	V	0.0	40.7	-0.9	34.2	74
5184.375000	42.4	102.0	H	114.0	44.6	2.2	31.6	74
6997.500000	45.9	102.0	H	141.0	52.4	6.5	28.1	74
9255.000000	44.7	102.0	V	247.0	54.2	9.5	29.3	74
12673.125000	50.6	102.0	V	0.0	64.7	14.1	23.4	74
17696.250000	61.8	102.0	V	330.0	86.5	24.7	12.2	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)
4027.500000	28.1	102.0	V	0.0	29.2	-1.1	25.9	54
5409.375000	30.4	102.0	H	0.0	33.0	2.6	23.6	54
6997.500000	33.3	102.0	V	0.0	39.8	6.5	20.7	54
9215.625000	33.1	102.0	H	141.0	43.1	10.0	20.9	54
12641.250000	39.0	102.0	H	0.0	53.5	14.5	15.0	54
17707.500000	49.5	102.0	H	114.0	74.2	24.7	4.5	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)
18012.750000	52.4	V	66.0	54.3	-1.9	21.6	74
20046.375000	52.4	H	0.0	58.1	-5.7	21.6	74
20705.125000	52.2	H	159.0	58.9	-6.7	21.8	74
23130.281250	53.1	H	0.0	59.2	-6.1	20.9	74
24541.281250	52.4	V	0.0	58.4	-6.0	21.6	74
26314.062500	53.9	V	218.0	59.3	-5.4	20.1	74

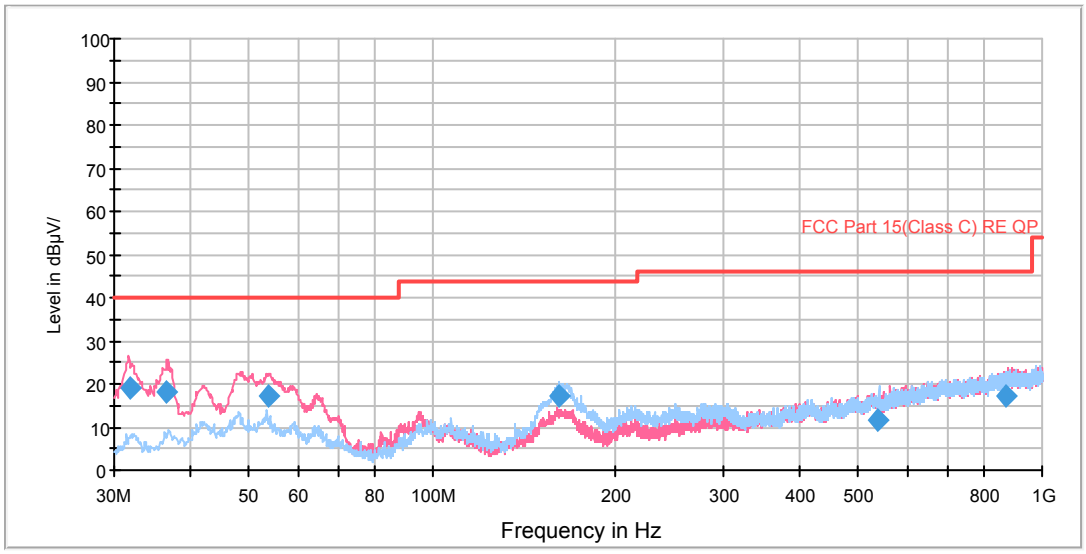
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18025.500000	40.3	H	0.0	42.2	-1.9	13.7	54
20035.750000	40.5	V	0.0	46.2	-5.7	13.5	54
21763.375000	40.3	H	294.0	48.3	-8.0	13.7	54
23129.750000	41.4	V	324.0	47.5	-6.1	12.6	54
23589.812500	40.6	H	344.0	46.5	-5.9	13.4	54
26331.593750	42.1	V	0.0	47.5	-5.4	11.9	54

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

802.11b CH6

RE 30M-1GHz QP



Radiates Emission from 30MHz to 1GHz

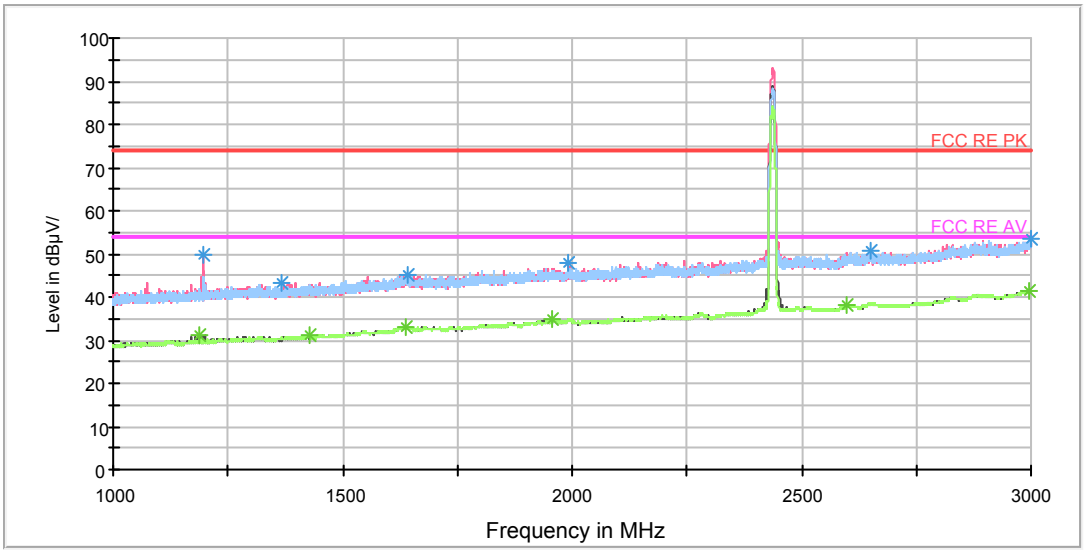
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
31.776744	19.1	125.0	V	251.0	41.6	-22.5	20.9	40.0
36.536131	18.1	100.0	V	31.0	40.3	-22.2	21.9	40.0
53.831534	17.1	125.0	V	227.0	37.9	-20.8	22.9	40.0
161.146678	17.2	125.0	H	266.0	45.8	-28.6	26.3	43.5
538.424000	11.6	100.0	H	106.0	29.9	-18.3	34.4	46.0
875.373250	17.1	125.0	V	347.0	30.0	-12.9	28.9	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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

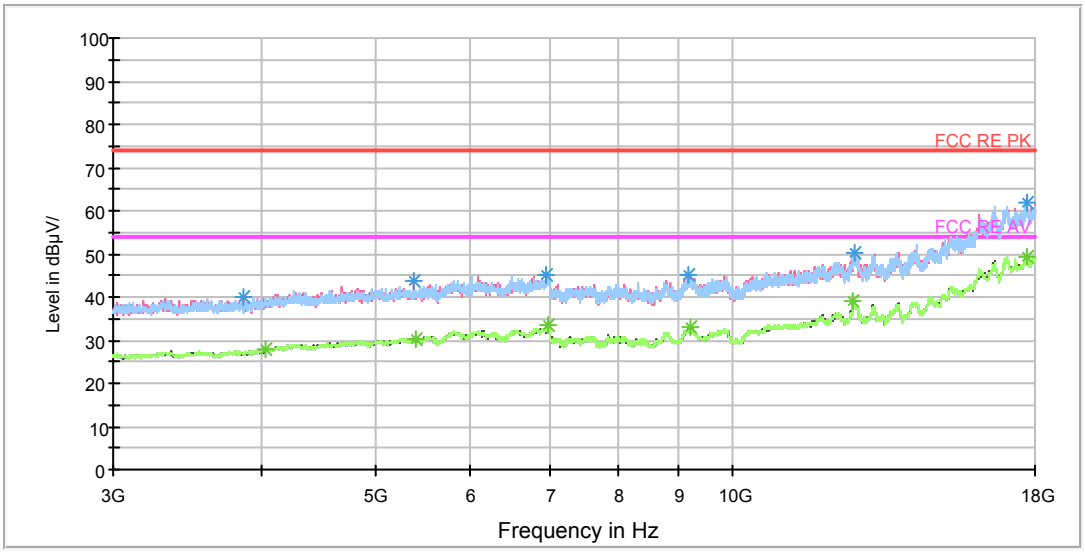
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1197.000000	49.9	102.0	V	22.0	58.1	-8.2	24.1	74
1365.500000	43.4	102.0	H	50.0	50.7	-7.3	30.6	74
1642.250000	45.3	102.0	V	170.0	50.1	-4.8	28.7	74
1993.000000	48.0	102.0	V	357.0	51.3	-3.3	26.0	74
2651.250000	50.6	102.0	V	98.0	51.0	0.4	23.4	74
2998.000000	53.6	102.0	H	120.0	55.9	2.3	20.4	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)
1189.750000	31.1	102.0	V	0.0	39.3	-8.2	22.9	54
1427.000000	31.0	102.0	V	242.0	37.9	-6.9	23.0	54
1637.000000	33.2	102.0	V	0.0	37.9	-4.7	20.8	54
1958.500000	34.8	102.0	H	0.0	38.0	-3.2	19.2	54
2599.250000	38.3	102.0	V	334.0	38.7	0.4	15.7	54
2997.000000	41.5	102.0	H	0.0	43.8	2.3	12.5	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

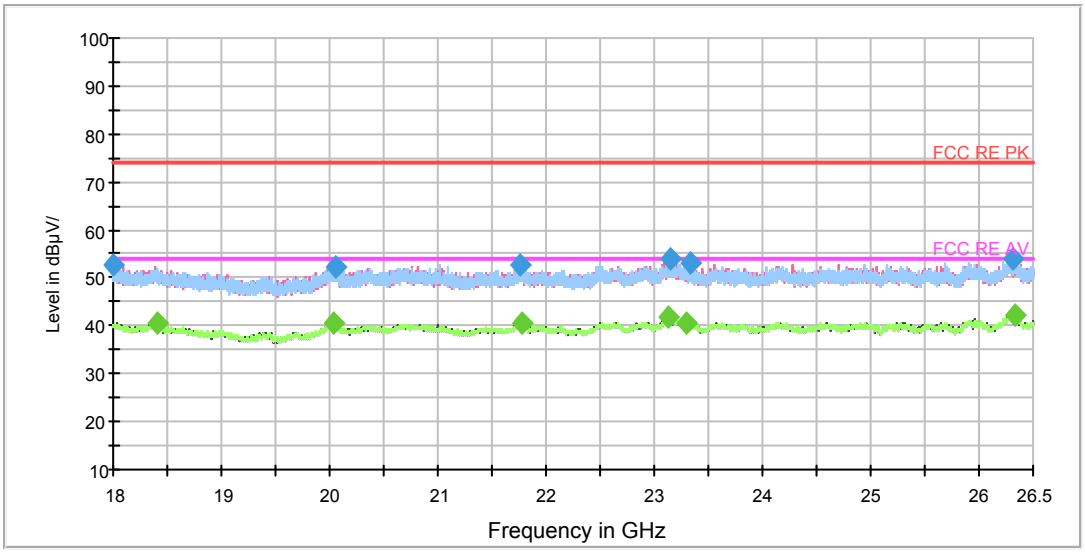
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3860.625000	39.9	102.0	V	0.0	41.5	-1.6	34.1	74
5373.750000	43.7	102.0	V	22.0	46.0	2.3	30.3	74
6965.625000	45.1	102.0	V	0.0	51.3	6.2	28.9	74
9165.000000	44.9	102.0	H	0.0	55.2	10.3	29.1	74
12680.625000	50.3	102.0	V	0.0	64.6	14.3	23.7	74
17698.125000	61.9	102.0	V	191.0	86.6	24.7	12.1	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)
4040.625000	27.9	102.0	V	0.0	28.9	-1.0	26.1	54
5411.250000	30.4	102.0	V	191.0	33.0	2.6	23.6	54
6997.500000	33.4	102.0	H	0.0	39.9	6.5	20.6	54
9228.750000	32.9	102.0	V	108.0	42.8	9.9	21.1	54
12645.000000	38.9	102.0	H	0.0	53.3	14.4	15.1	54
17707.500000	49.5	102.0	V	355.0	74.2	24.7	4.5	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)
18002.656250	52.5	H	98.0	54.3	-1.8	21.5	74
20050.625000	52.4	V	197.0	58.1	-5.7	21.6	74
21756.468750	52.9	V	197.0	60.9	-8.0	21.1	74
23155.781250	53.8	V	301.0	59.9	-6.1	20.2	74
23341.718750	53.0	H	249.0	58.9	-5.9	21.0	74
26319.906250	54.1	H	34.0	59.5	-5.4	19.9	74

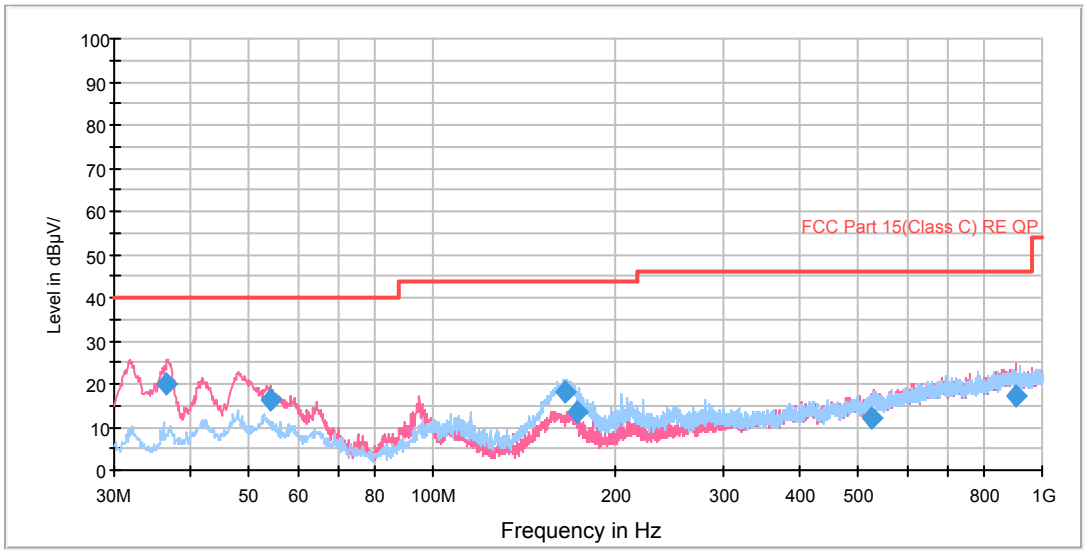
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18400.031250	40.5	H	0.0	44.0	-3.5	13.5	54
20034.687500	40.6	H	0.0	46.3	-5.7	13.4	54
21778.250000	40.4	H	0.0	48.4	-8.0	13.6	54
23131.875000	41.7	V	0.0	47.8	-6.1	12.3	54
23297.093750	40.7	H	141.0	46.7	-6.0	13.3	54
26324.156250	42.2	V	322.0	47.6	-5.4	11.8	54

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

802.11b CH11

RE 30M-1GHz QP



Radiates Emission from 30MHz to 1GHz

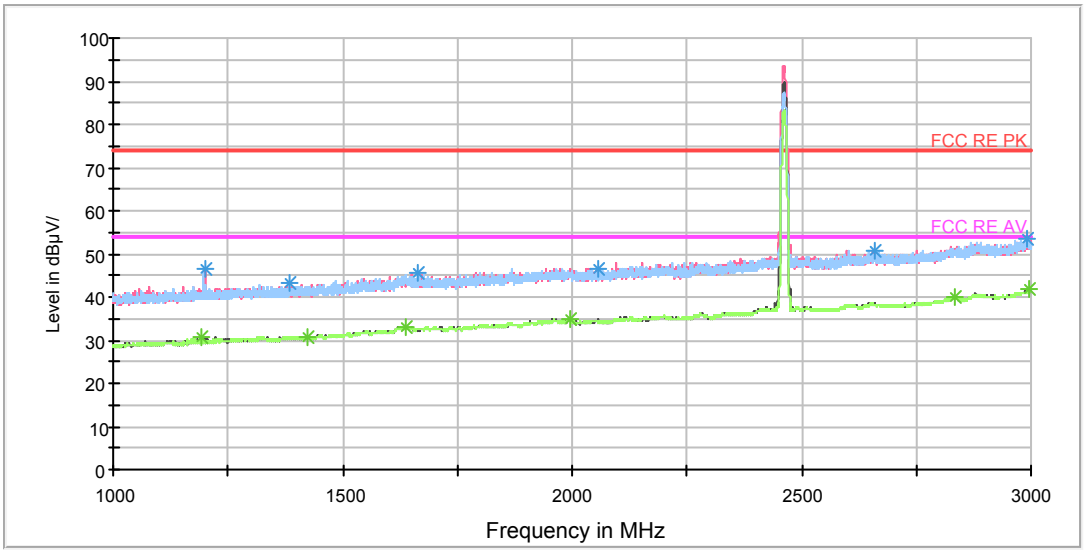
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.638869	20.0	100.0	V	154.0	42.2	-22.2	20.0	40.0
54.033428	16.1	126.0	V	218.0	37.0	-20.9	23.9	40.0
165.120522	18.0	126.0	H	268.0	46.3	-28.3	25.5	43.5
173.126100	13.6	126.0	H	286.0	42.2	-28.6	29.9	43.5
526.855000	12.1	100.0	V	87.0	30.7	-18.6	33.9	46.0
905.240250	17.2	100.0	V	114.0	30.1	-12.9	28.8	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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

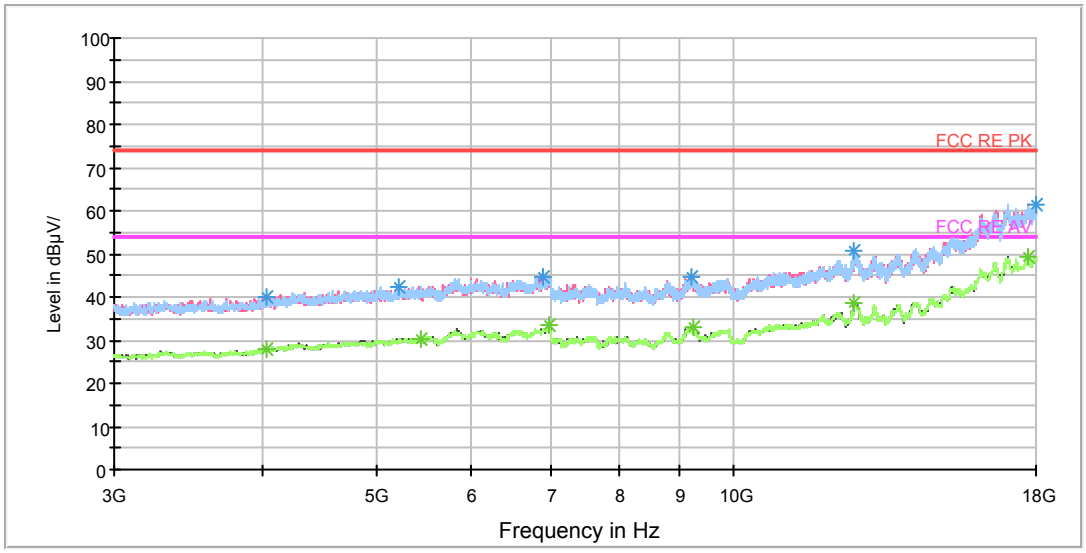
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1199.500000	46.6	102.0	V	0.0	54.8	-8.2	27.4	74
1382.250000	43.1	102.0	H	53.0	50.1	-7.0	30.9	74
1664.500000	45.4	102.0	H	0.0	50.6	-5.2	28.6	74
2057.750000	46.7	102.0	V	193.0	49.9	-3.2	27.3	74
2658.750000	50.6	102.0	V	287.0	51.0	0.4	23.4	74
2989.250000	53.3	102.0	H	216.0	55.5	2.2	20.7	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)
1192.750000	30.7	102.0	V	169.0	38.9	-8.2	23.3	54
1425.250000	30.9	102.0	V	356.0	37.8	-6.9	23.1	54
1638.500000	33.1	102.0	H	30.0	37.8	-4.7	20.9	54
1996.000000	35.1	102.0	H	0.0	38.4	-3.3	18.9	54
2834.250000	40.0	102.0	H	0.0	41.5	1.5	14.0	54
2997.000000	41.6	102.0	V	47.0	43.9	2.3	12.4	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

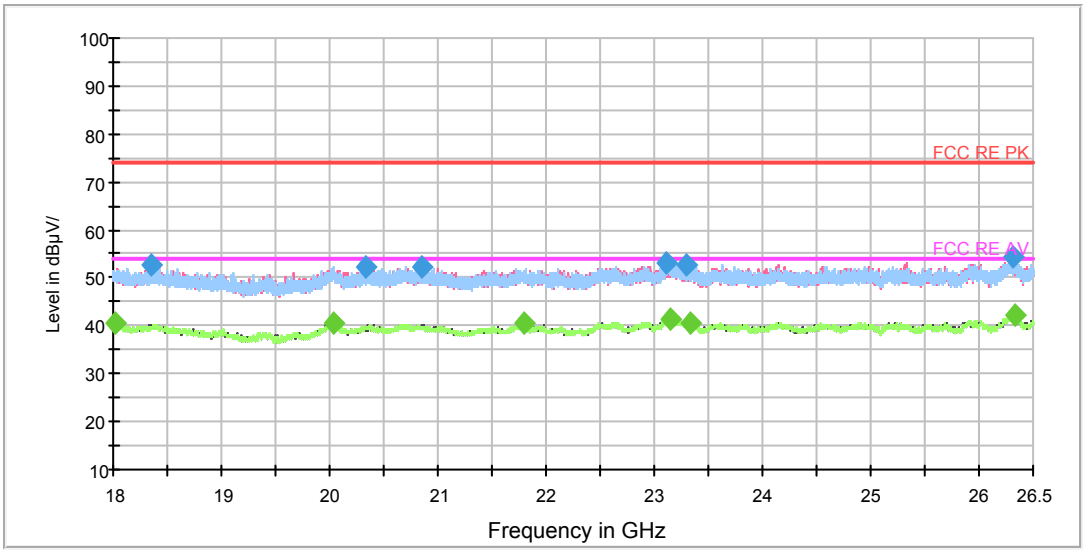
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4033.125000	40.1	102.0	V	0.0	41.2	-1.1	33.9	74
5220.000000	42.4	102.0	V	0.0	44.5	2.1	31.6	74
6900.000000	44.8	102.0	V	276.0	51.1	6.3	29.2	74
9210.000000	44.6	102.0	V	0.0	54.7	10.1	29.4	74
12645.000000	50.8	102.0	H	0.0	65.2	14.4	23.2	74
17992.500000	61.5	102.0	V	0.0	86.8	25.3	12.5	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)
4040.625000	27.9	102.0	V	304.0	28.9	-1.0	26.1	54
5441.250000	30.4	102.0	V	194.0	33.3	2.9	23.6	54
6997.500000	33.3	102.0	V	304.0	39.8	6.5	20.7	54
9232.500000	32.9	102.0	V	332.0	42.8	9.9	21.1	54
12639.375000	38.8	102.0	H	0.0	53.3	14.5	15.2	54
17709.375000	49.5	102.0	H	168.0	74.2	24.7	4.5	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)
18353.812500	52.9	H	222.0	56.2	-3.3	21.1	74
20331.656250	52.2	V	66.0	58.2	-6.0	21.8	74
20852.281250	52.3	V	112.0	59.4	-7.1	21.7	74
23112.750000	53.1	H	0.0	59.2	-6.1	20.9	74
23298.687500	52.8	V	0.0	58.8	-6.0	21.2	74
26310.343750	54.2	H	53.0	59.6	-5.4	19.8	74

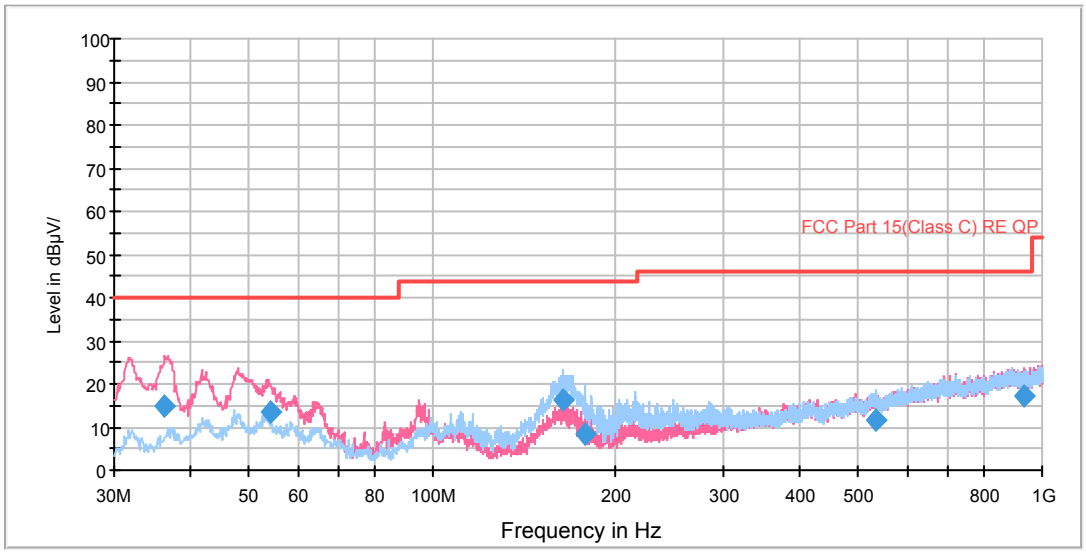
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18022.843750	40.6	V	0.0	42.5	-1.9	13.4	54
20034.156250	40.6	V	0.0	46.3	-5.7	13.4	54
21796.312500	40.4	H	201.0	48.4	-8.0	13.6	54
23141.437500	41.5	H	32.0	47.6	-6.1	12.5	54
23334.812500	40.7	H	95.0	46.7	-6.0	13.3	54
26331.062500	42.2	H	116.0	47.6	-5.4	11.8	54

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

802.11g CH1

RE 30M-1GHz QP



Radiates Emission from 30MHz to 1GHz

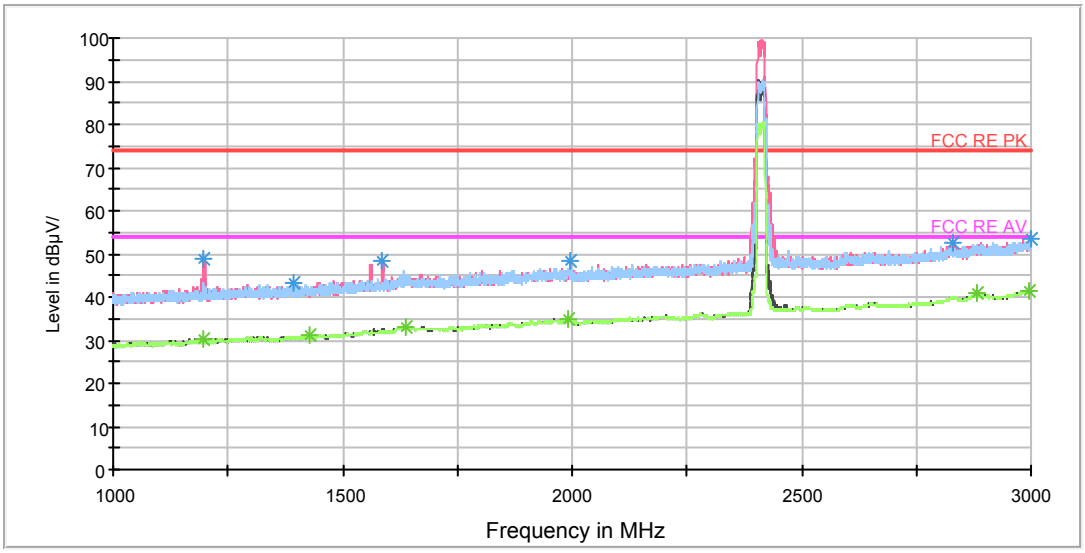
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.374238	15.0	101.0	V	258.0	37.3	-22.3	25.0	40.0
54.142519	13.5	122.0	V	204.0	34.4	-20.9	26.5	40.0
163.931297	16.1	121.0	H	276.0	44.5	-28.4	27.4	43.5
178.039240	8.5	126.0	H	286.0	36.9	-28.4	35.0	43.5
533.990750	11.9	122.0	H	132.0	30.2	-18.3	34.1	46.0
935.412250	17.0	101.0	V	0.0	30.1	-13.1	29.0	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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

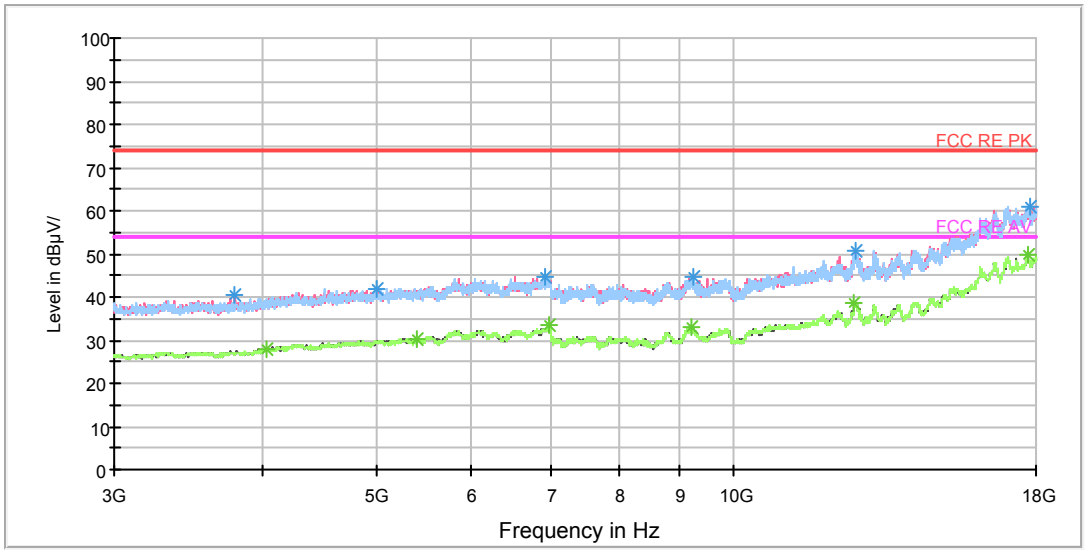
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1196.000000	48.9	102.0	V	0.0	57.1	-8.2	25.1	74
1393.000000	43.2	102.0	H	0.0	50.2	-7.0	30.8	74
1587.250000	48.2	102.0	V	123.0	54.6	-6.4	25.8	74
1996.500000	48.4	102.0	V	244.0	51.7	-3.3	25.6	74
2828.500000	52.6	102.0	V	290.0	54.2	1.6	21.4	74
2999.000000	53.5	102.0	V	170.0	55.8	2.3	20.5	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)
1196.000000	30.4	102.0	V	0.0	38.6	-8.2	23.6	54
1427.750000	30.9	102.0	H	0.0	37.8	-6.9	23.1	54
1636.750000	33.1	102.0	V	336.0	37.8	-4.7	20.9	54
1993.000000	34.8	102.0	V	170.0	38.1	-3.3	19.2	54
2882.250000	40.9	102.0	V	244.0	43.1	2.2	13.1	54
2995.750000	41.5	102.0	V	244.0	43.8	2.3	12.5	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

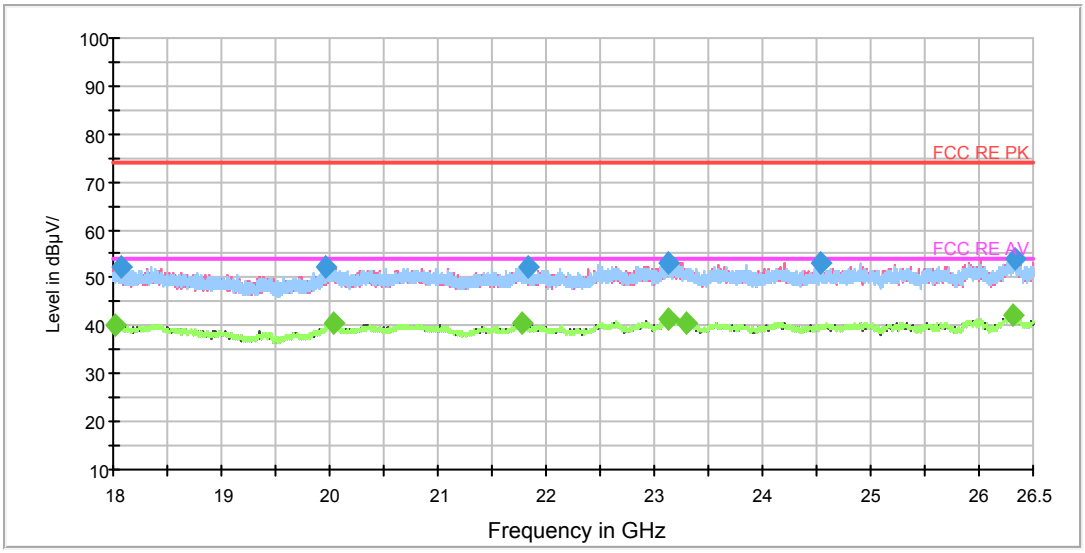
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3796.875000	40.3	102.0	V	110.0	42.0	-1.7	33.7	74
4987.500000	42.0	102.0	H	0.0	43.6	1.6	32.0	74
6933.750000	44.7	102.0	V	0.0	50.9	6.2	29.3	74
9236.250000	44.6	102.0	H	114.0	54.5	9.9	29.4	74
12661.875000	50.9	102.0	V	300.0	64.7	13.8	23.1	74
17767.500000	61.1	102.0	V	192.0	85.3	24.2	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)
4035.000000	28.0	102.0	V	192.0	29.0	-1.0	26.0	54
5411.250000	30.3	102.0	V	0.0	32.9	2.6	23.7	54
6995.625000	33.4	102.0	V	138.0	39.9	6.5	20.6	54
9215.625000	33.1	102.0	H	0.0	43.1	10.0	20.9	54
12641.250000	38.8	102.0	V	0.0	53.3	14.5	15.2	54
17705.625000	49.6	102.0	H	251.0	74.3	24.7	4.4	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)
18068.000000	52.4	H	0.0	54.5	-2.1	21.6	74
19960.312500	52.3	H	100.0	58.0	-5.7	21.7	74
21825.531250	52.2	H	0.0	60.2	-8.0	21.8	74
23130.281250	53.1	V	153.0	59.2	-6.1	20.9	74
24534.375000	53.1	H	37.0	59.1	-6.0	20.9	74
26326.281250	54.0	H	272.0	59.4	-5.4	20.0	74

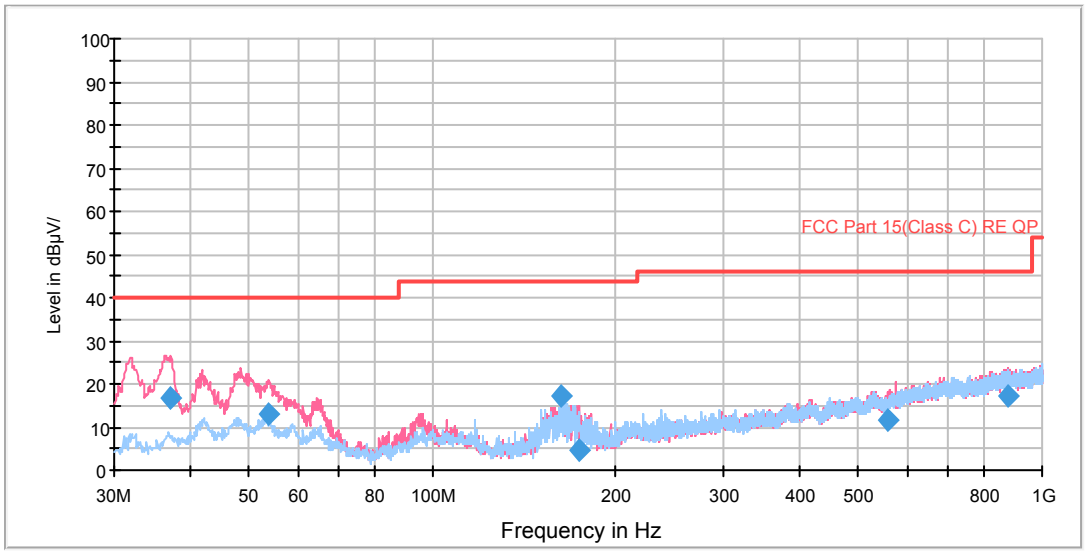
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18024.968750	40.3	H	58.0	42.2	-1.9	13.7	54
20035.750000	40.5	H	0.0	46.2	-5.7	13.5	54
21779.843750	40.4	V	0.0	48.4	-8.0	13.6	54
23132.406250	41.6	V	0.0	47.7	-6.1	12.4	54
23303.468750	40.6	H	37.0	46.6	-6.0	13.4	54
26320.437500	42.1	V	259.0	47.5	-5.4	11.9	54

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

802.11g CH6

RE 30M-1GHz QP



Radiates Emission from 30MHz to 1GHz

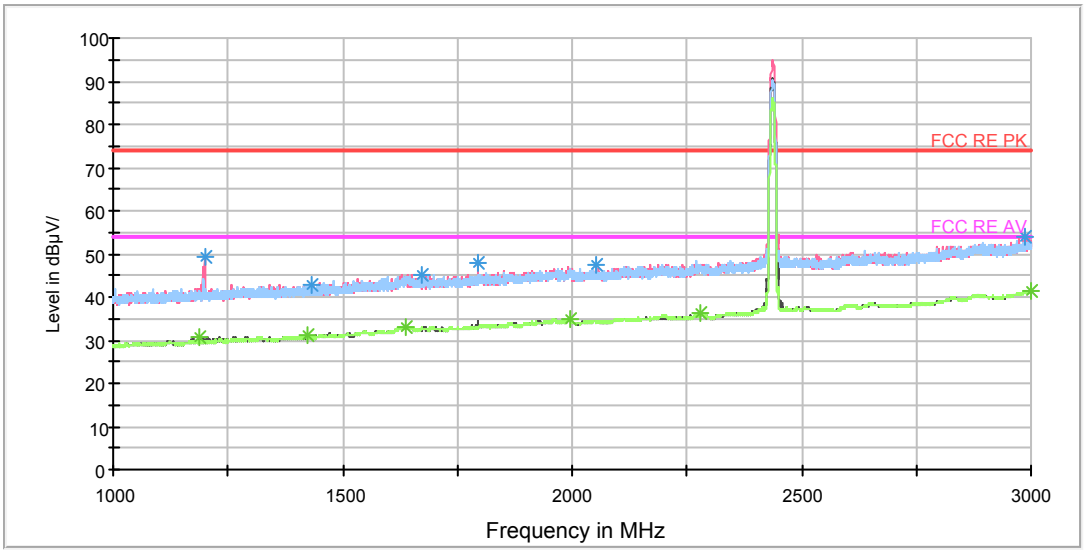
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
37.060866	16.8	121.0	V	288.0	38.9	-22.1	23.2	40.0
53.751534	12.8	121.0	V	258.0	33.6	-20.8	27.2	40.0
162.800881	17.1	126.0	H	289.0	45.5	-28.4	26.4	43.5
173.327047	4.7	101.0	V	213.0	33.3	-28.6	38.8	43.5
558.709750	11.6	101.0	V	237.0	30.0	-18.4	34.4	46.0
880.578750	17.1	101.0	V	206.0	30.0	-12.9	28.9	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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

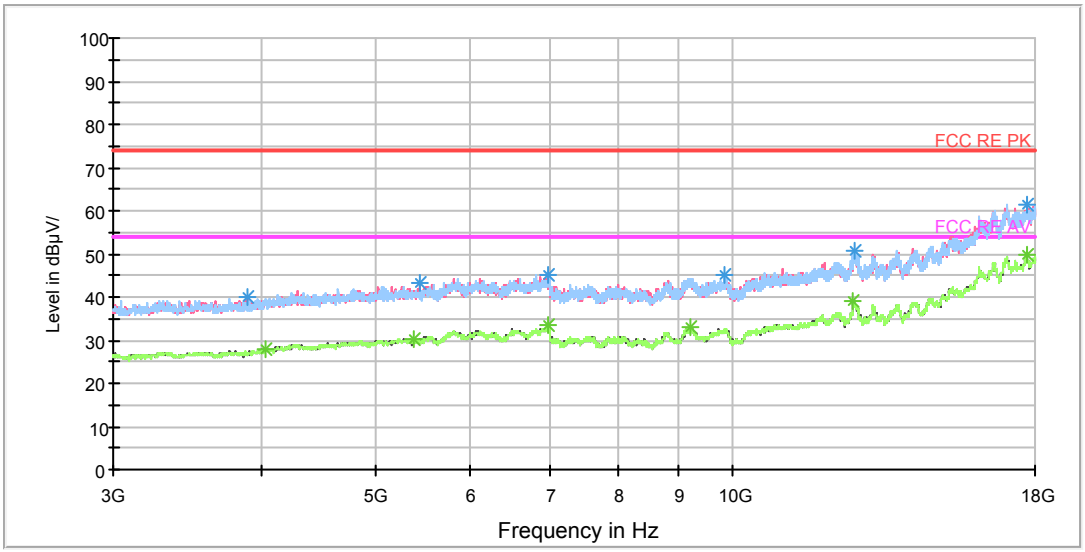
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1198.750000	49.2	102.0	V	21.0	57.4	-8.2	24.8	74
1434.250000	42.7	102.0	H	100.0	49.6	-6.9	31.3	74
1670.750000	45.3	102.0	V	240.0	50.4	-5.1	28.7	74
1795.750000	47.7	102.0	V	122.0	51.9	-4.2	26.3	74
2051.750000	47.6	102.0	V	355.0	50.8	-3.2	26.4	74
2986.750000	53.9	102.0	H	0.0	56.1	2.2	20.1	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)
1189.500000	30.5	102.0	V	309.0	38.7	-8.2	23.5	54
1424.500000	31.0	102.0	H	339.0	37.9	-6.9	23.0	54
1639.250000	33.1	102.0	H	288.0	37.8	-4.7	20.9	54
1995.000000	35.0	102.0	V	193.0	38.2	-3.2	19.0	54
2279.750000	36.2	102.0	H	146.0	37.5	-1.3	17.8	54
2998.250000	41.6	102.0	H	170.0	43.9	2.3	12.4	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

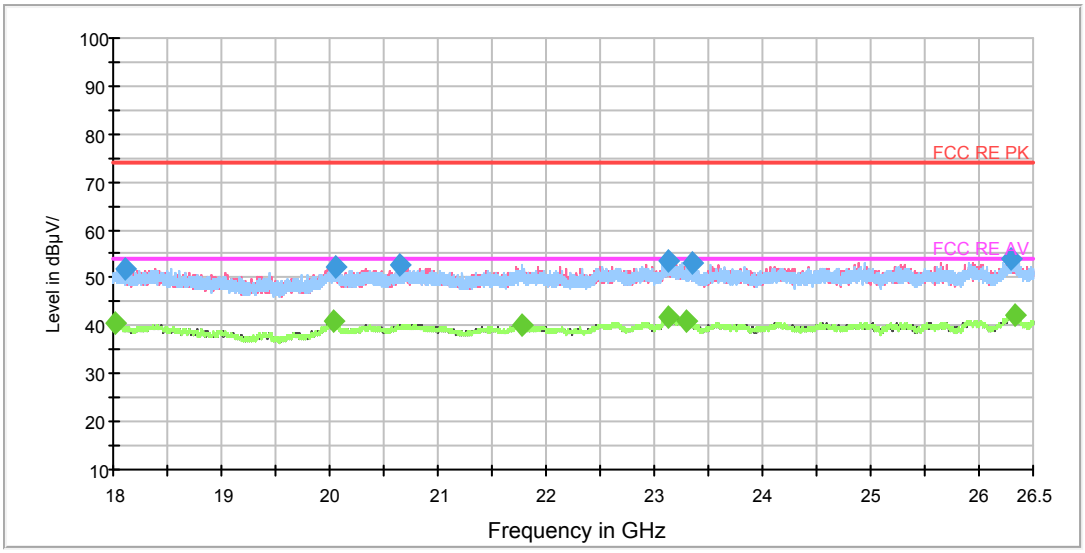
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3890.625000	39.8	102.0	V	218.0	41.1	-1.3	34.2	74
5446.875000	43.2	102.0	V	0.0	46.0	2.8	30.8	74
6997.500000	45.2	102.0	H	86.0	51.7	6.5	28.8	74
9851.250000	45.1	102.0	H	140.0	55.4	10.3	28.9	74
12675.000000	50.7	102.0	H	0.0	64.8	14.1	23.3	74
17700.000000	61.3	102.0	V	0.0	86.0	24.7	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)
4035.000000	28.0	102.0	V	0.0	29.0	-1.0	26.0	54
5379.375000	30.3	102.0	V	190.0	32.6	2.3	23.7	54
6993.750000	33.3	102.0	H	0.0	39.8	6.5	20.7	54
9221.250000	32.9	102.0	V	190.0	42.8	9.9	21.1	54
12641.250000	38.8	102.0	V	0.0	53.3	14.5	15.2	54
17709.375000	49.6	102.0	V	272.0	74.3	24.7	4.4	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)
18117.937500	51.9	H	77.0	54.2	-2.3	22.1	74
20053.281250	52.4	H	249.0	58.1	-5.7	21.6	74
20649.343750	52.7	H	77.0	59.3	-6.6	21.3	74
23128.687500	53.5	V	0.0	59.6	-6.1	20.5	74
23357.656250	53.0	V	198.0	58.9	-5.9	21.0	74
26300.781250	54.0	V	0.0	59.4	-5.4	20.0	74

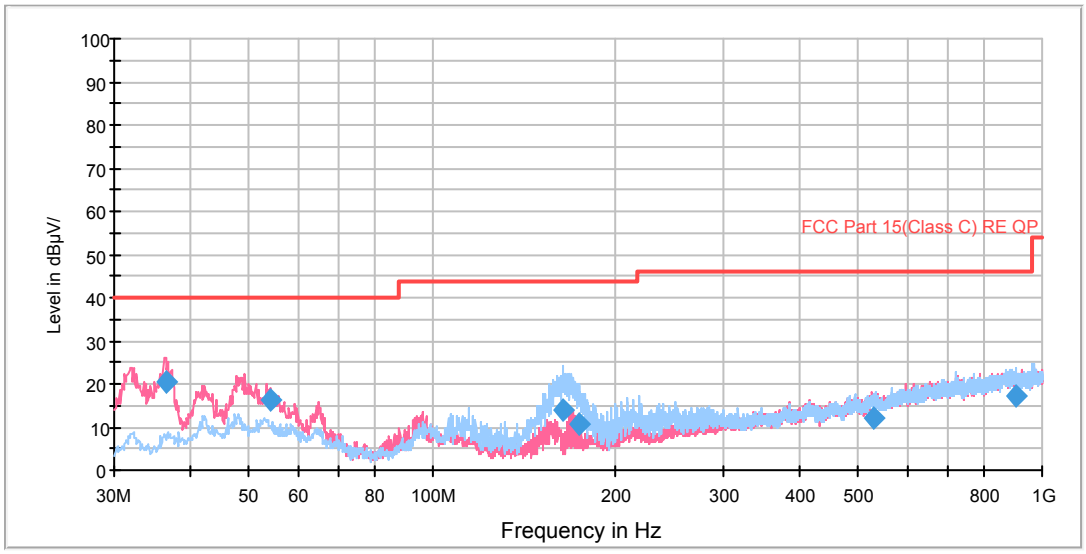
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18025.500000	40.4	H	0.0	42.3	-1.9	13.6	54
20041.593750	40.9	H	0.0	46.6	-5.7	13.1	54
21769.218750	40.3	V	17.0	48.3	-8.0	13.7	54
23132.937500	41.7	H	98.0	47.8	-6.1	12.3	54
23300.281250	40.9	V	198.0	46.9	-6.0	13.1	54
26333.718750	42.2	H	317.0	47.6	-5.4	11.8	54

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

802.11g CH11

RE 30M-1GHz QP



Radiates Emission from 30MHz to 1GHz

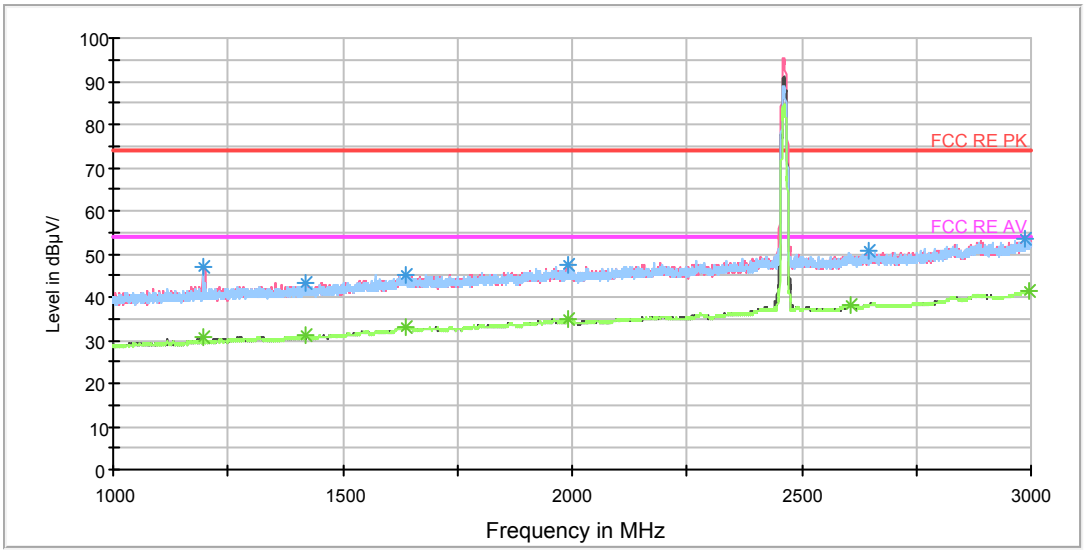
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.517316	20.6	101.0	V	53.0	42.9	-22.3	19.4	40.0
54.142519	16.4	121.0	V	176.0	37.3	-20.9	23.6	40.0
163.447510	14.0	126.0	H	279.0	42.4	-28.4	29.5	43.5
173.685153	10.7	126.0	H	279.0	39.3	-28.6	32.8	43.5
528.448250	12.1	121.0	V	0.0	30.6	-18.5	33.9	46.0
903.843500	17.2	101.0	H	48.0	30.1	-12.9	28.8	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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

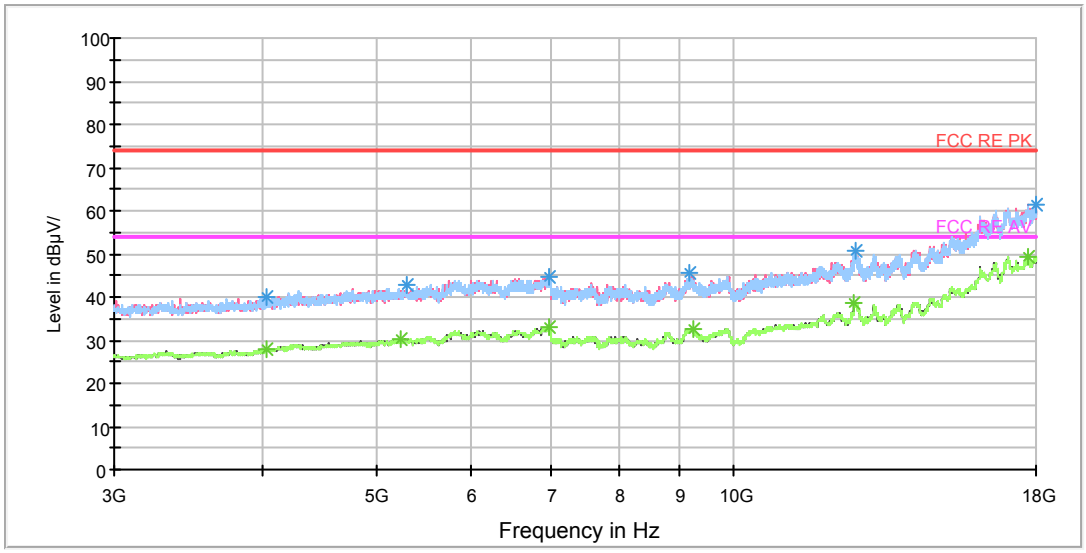
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1197.750000	47.0	102.0	V	0.0	55.2	-8.2	27.0	74
1421.250000	43.3	102.0	H	144.0	50.2	-6.9	30.7	74
1637.750000	45.3	102.0	H	73.0	50.0	-4.7	28.7	74
1993.250000	47.5	102.0	V	168.0	50.8	-3.3	26.5	74
2647.000000	50.7	102.0	H	238.0	51.0	0.3	23.3	74
2988.750000	53.4	102.0	V	331.0	55.6	2.2	20.6	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)
1197.000000	30.7	102.0	H	26.0	38.9	-8.2	23.3	54
1421.000000	31.0	102.0	H	0.0	37.9	-6.9	23.0	54
1637.750000	33.1	102.0	H	73.0	37.8	-4.7	20.9	54
1991.500000	35.0	102.0	V	121.0	38.3	-3.3	19.0	54
2606.250000	38.2	102.0	V	0.0	38.5	0.3	15.8	54
2996.500000	41.6	102.0	V	168.0	43.9	2.3	12.4	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

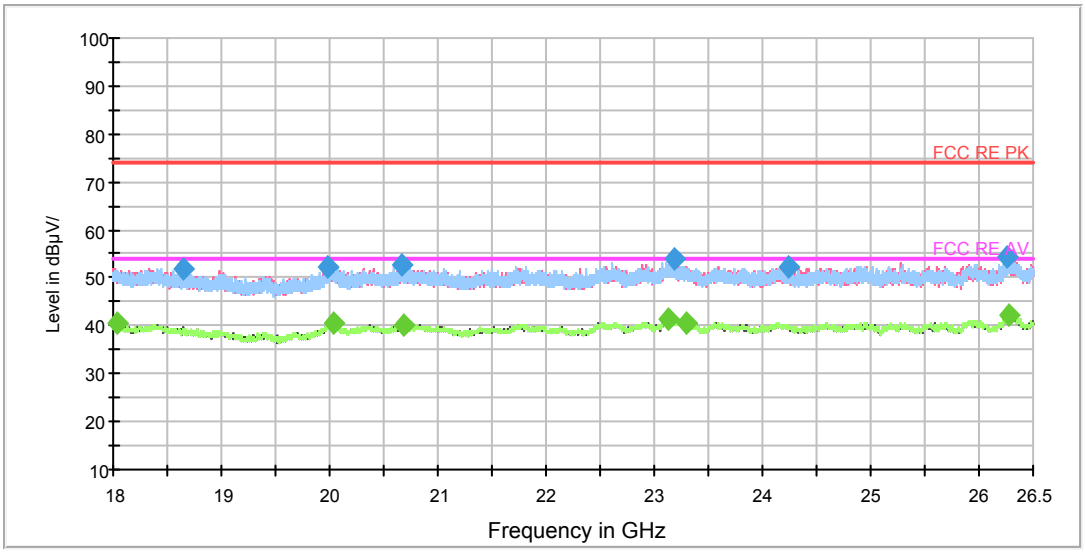
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4038.750000	40.1	102.0	H	0.0	41.1	-1.0	33.9	74
5295.000000	42.6	102.0	H	31.0	44.9	2.3	31.4	74
6997.500000	44.6	102.0	V	0.0	51.1	6.5	29.4	74
9161.250000	45.7	102.0	H	338.0	56.0	10.3	28.3	74
12675.000000	50.6	102.0	V	219.0	64.7	14.1	23.4	74
17992.500000	61.3	102.0	V	191.0	86.6	25.3	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)
4038.750000	27.9	102.0	H	0.0	28.9	-1.0	26.1	54
5227.500000	30.2	102.0	V	273.0	32.3	2.1	23.8	54
6997.500000	33.2	102.0	H	58.0	39.7	6.5	20.8	54
9232.500000	32.8	102.0	V	219.0	42.7	9.9	21.2	54
12641.250000	38.8	102.0	H	0.0	53.3	14.5	15.2	54
17703.750000	49.5	102.0	H	223.0	74.2	24.7	4.5	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)
18651.843750	51.9	V	178.0	56.2	-4.3	22.1	74
19990.062500	52.4	H	76.0	58.1	-5.7	21.6	74
20663.687500	52.5	V	178.0	59.1	-6.6	21.5	74
23187.656250	53.8	H	204.0	59.8	-6.0	20.2	74
24234.218750	52.3	H	161.0	58.2	-5.9	21.7	74
26261.468750	54.3	V	0.0	59.7	-5.4	19.7	74

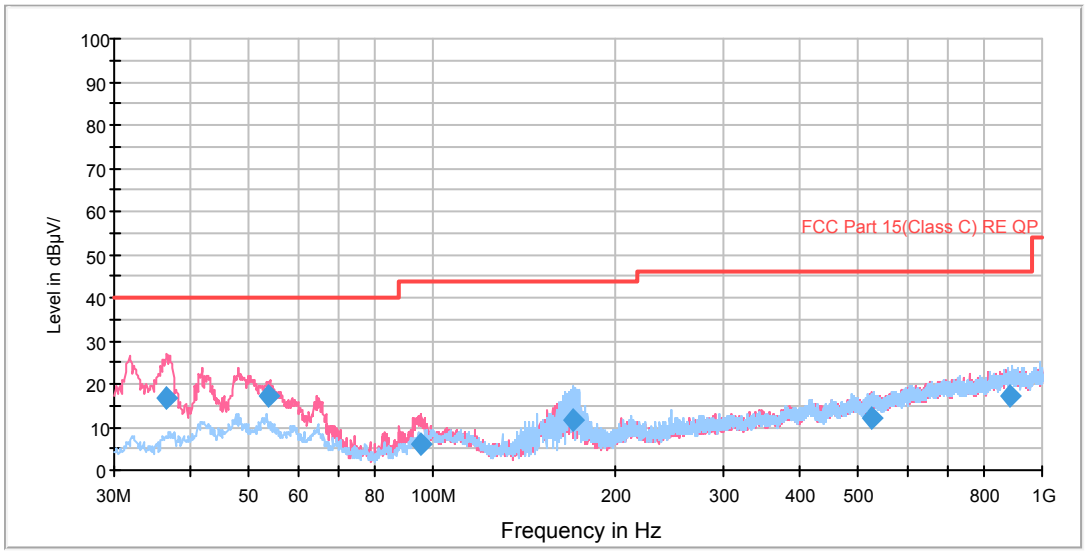
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18033.468750	40.5	H	32.0	42.4	-1.9	13.5	54
20030.437500	40.8	V	285.0	46.5	-5.7	13.2	54
20691.312500	40.3	H	12.0	47.0	-6.7	13.7	54
23127.093750	41.6	H	119.0	47.7	-6.1	12.4	54
23298.156250	40.8	H	0.0	46.8	-6.0	13.2	54
26283.250000	42.0	H	0.0	47.4	-5.4	12.0	54

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

802.11n (HT20) CH1

RE 30M-1GHz QP



Radiates Emission from 30MHz to 1GHz

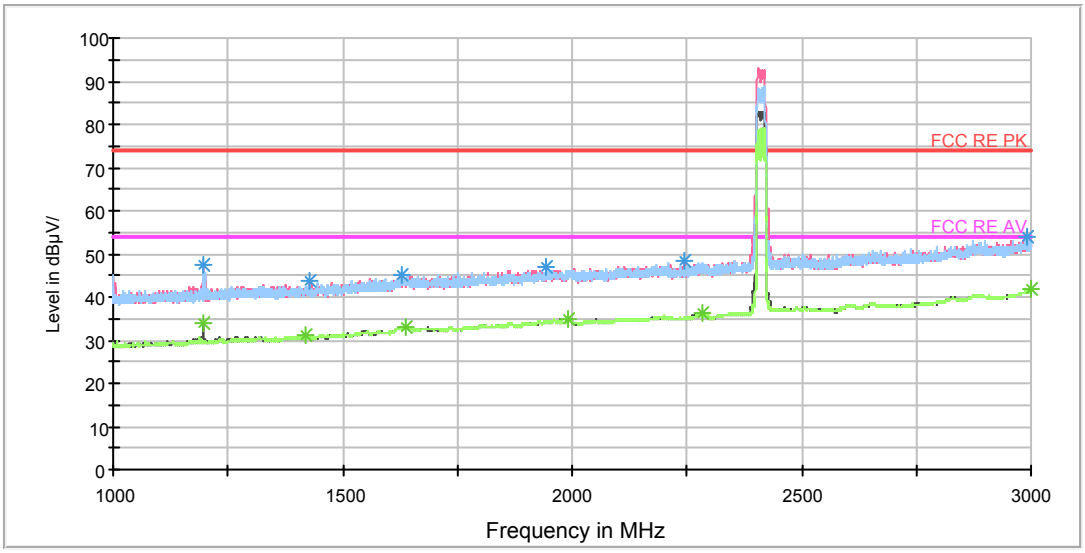
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.496131	16.8	101.0	V	292.0	39.1	-22.3	23.2	40.0
53.872481	17.2	121.0	V	252.0	38.0	-20.8	22.8	40.0
95.276312	6.2	101.0	V	127.0	31.7	-25.5	37.3	43.5
170.502428	11.8	126.0	H	271.0	40.1	-28.3	31.7	43.5
526.408250	12.1	126.0	V	260.0	30.7	-18.6	33.9	46.0
888.038500	17.3	122.0	H	123.0	30.0	-12.7	28.7	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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

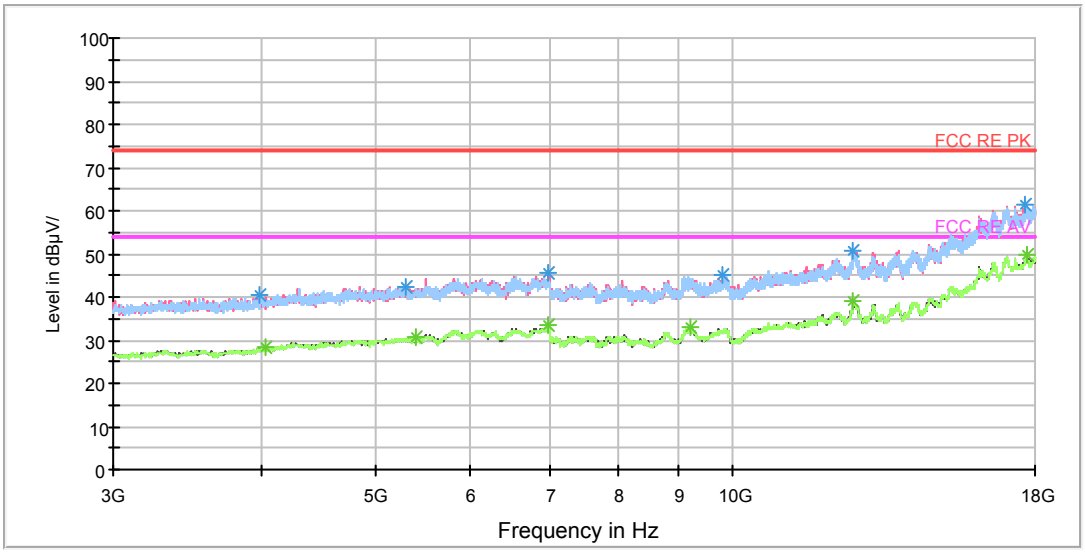
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1196.750000	47.4	102.0	V	0.0	55.6	-8.2	26.6	74
1429.250000	43.6	102.0	V	0.0	50.5	-6.9	30.4	74
1628.500000	45.2	102.0	V	120.0	49.9	-4.7	28.8	74
1944.750000	46.8	102.0	H	0.0	50.1	-3.3	27.2	74
2246.500000	48.4	102.0	V	236.0	50.8	-2.4	25.6	74
2992.750000	53.9	102.0	H	115.0	56.1	2.2	20.1	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)
1196.750000	33.8	102.0	V	0.0	42.0	-8.2	20.2	54
1418.250000	31.0	102.0	V	354.0	37.9	-6.9	23.0	54
1638.500000	33.2	102.0	H	283.0	37.9	-4.7	20.8	54
1992.750000	34.9	102.0	V	306.0	38.2	-3.3	19.1	54
2283.000000	36.1	102.0	V	306.0	37.5	-1.4	17.9	54
2999.250000	41.7	102.0	H	93.0	44.0	2.3	12.3	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

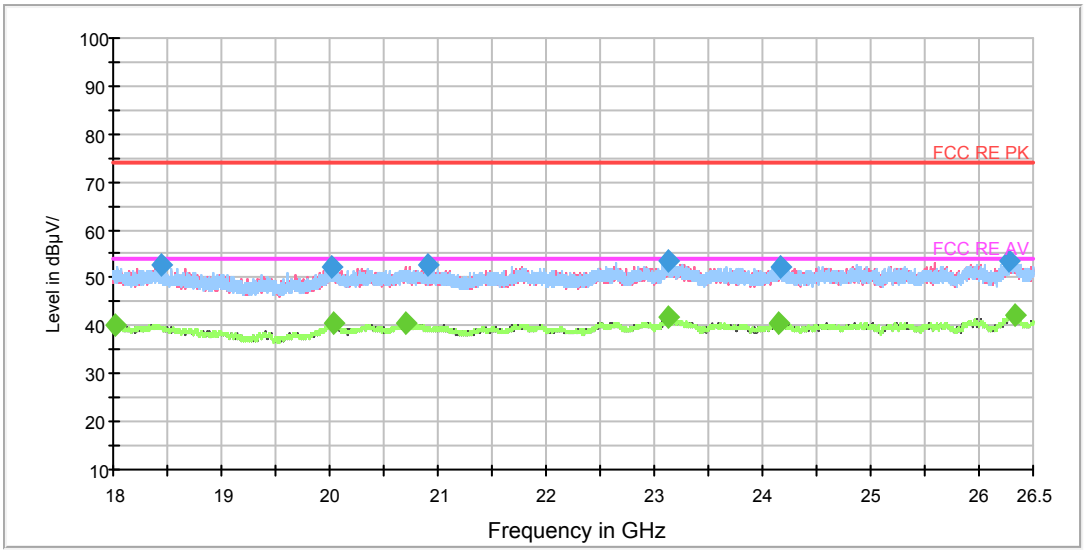
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3993.750000	40.5	102.0	H	53.0	41.6	-1.1	33.5	74
5300.625000	42.3	102.0	H	0.0	44.7	2.4	31.7	74
6995.625000	45.5	102.0	V	165.0	52.0	6.5	28.5	74
9791.250000	44.9	102.0	H	246.0	54.8	9.9	29.1	74
12643.125000	50.7	102.0	V	251.0	65.1	14.4	23.3	74
17686.875000	61.6	102.0	H	25.0	86.2	24.6	12.4	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)
4031.250000	28.2	102.0	V	0.0	29.3	-1.1	25.8	54
5405.625000	30.5	102.0	V	165.0	33.1	2.6	23.5	54
6995.625000	33.4	102.0	H	0.0	39.9	6.5	20.6	54
9219.375000	32.9	102.0	H	308.0	42.8	9.9	21.1	54
12639.375000	39.0	102.0	V	191.0	53.5	14.5	15.0	54
17711.250000	49.5	102.0	H	108.0	74.2	24.7	4.5	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)
18439.875000	52.6	V	176.0	56.3	-3.7	21.4	74
20018.750000	52.3	V	282.0	58.0	-5.7	21.7	74
20900.625000	52.6	H	319.0	59.8	-7.2	21.4	74
23124.437500	53.7	V	323.0	59.8	-6.1	20.3	74
24171.531250	52.3	V	176.0	58.2	-5.9	21.7	74
26285.906250	53.7	V	344.0	59.1	-5.4	20.3	74

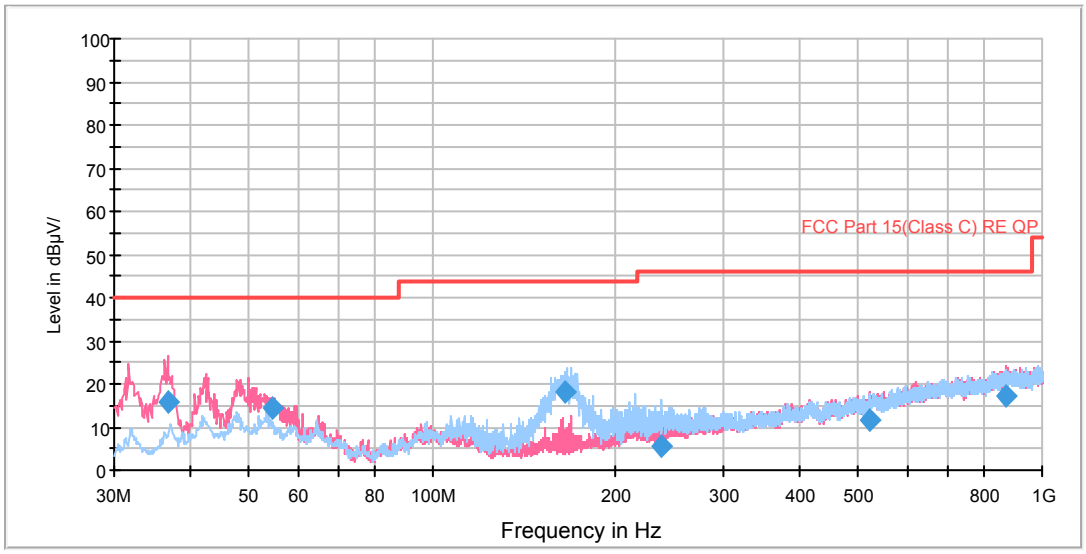
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18024.968750	40.3	V	0.0	42.2	-1.9	13.7	54
20029.375000	40.6	H	14.0	46.3	-5.7	13.4	54
20695.562500	40.4	V	282.0	47.1	-6.7	13.6	54
23130.812500	41.7	H	120.0	47.8	-6.1	12.3	54
24146.031250	40.8	V	0.0	46.7	-5.9	13.2	54
26334.781250	42.2	V	302.0	47.6	-5.4	11.8	54

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

802.11n (HT20) CH6

RE 30M-1GHz QP



Radiates Emission from 30MHz to 1GHz

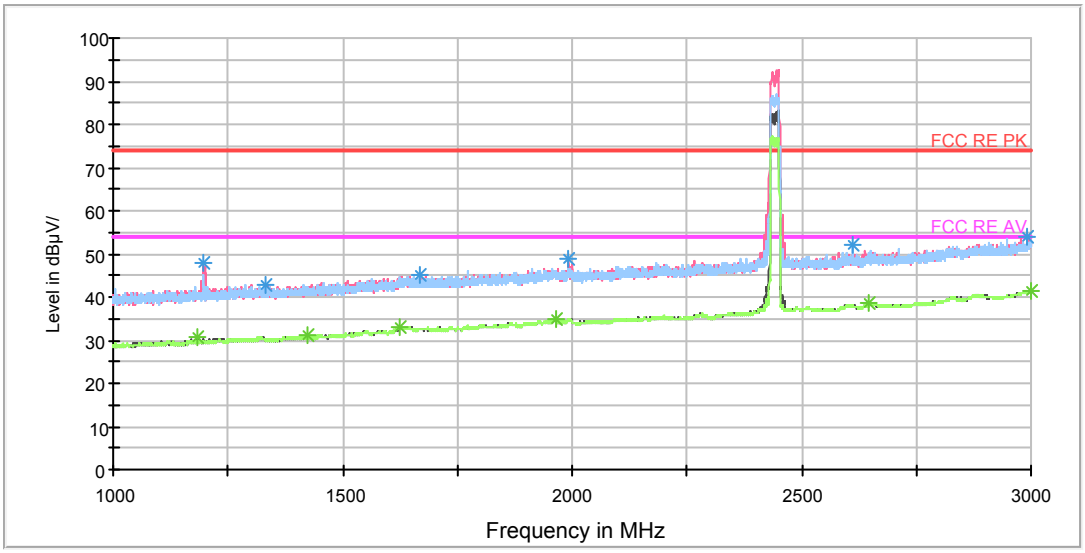
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.737078	15.9	100.0	V	34.0	38.1	-22.2	24.1	40.0
54.719110	14.4	126.0	V	219.0	35.4	-21.0	25.6	40.0
165.383606	18.0	126.0	H	267.0	46.3	-28.3	25.5	43.5
237.226000	5.5	126.0	H	245.0	30.9	-25.4	40.5	46.0
521.514250	11.5	126.0	V	103.0	30.4	-18.9	34.5	46.0
870.459250	17.1	101.0	V	114.0	30.0	-12.9	28.9	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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

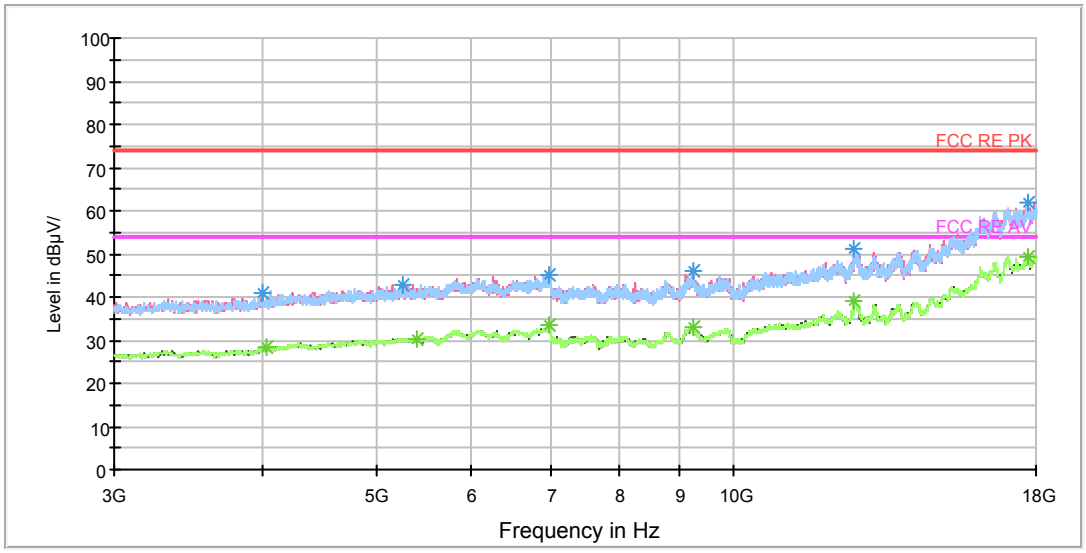
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1196.500000	48.1	102.0	V	121.0	56.3	-8.2	25.9	74
1332.750000	43.0	102.0	V	0.0	50.4	-7.4	31.0	74
1670.250000	45.3	102.0	V	284.0	50.4	-5.1	28.7	74
1993.250000	48.7	102.0	V	354.0	52.0	-3.3	25.3	74
2612.000000	51.9	102.0	H	239.0	52.0	0.1	22.1	74
2992.750000	53.7	102.0	V	308.0	55.9	2.2	20.3	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1184.250000	30.5	102.0	V	73.0	38.6	-8.1	23.5	54
1424.750000	31.1	102.0	V	331.0	38.0	-6.9	22.9	54
1625.000000	33.1	102.0	V	261.0	37.9	-4.8	20.9	54
1963.750000	34.9	102.0	V	192.0	38.2	-3.3	19.1	54
2648.000000	38.5	102.0	V	0.0	38.9	0.4	15.5	54
2999.500000	41.5	102.0	H	0.0	43.8	2.3	12.5	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

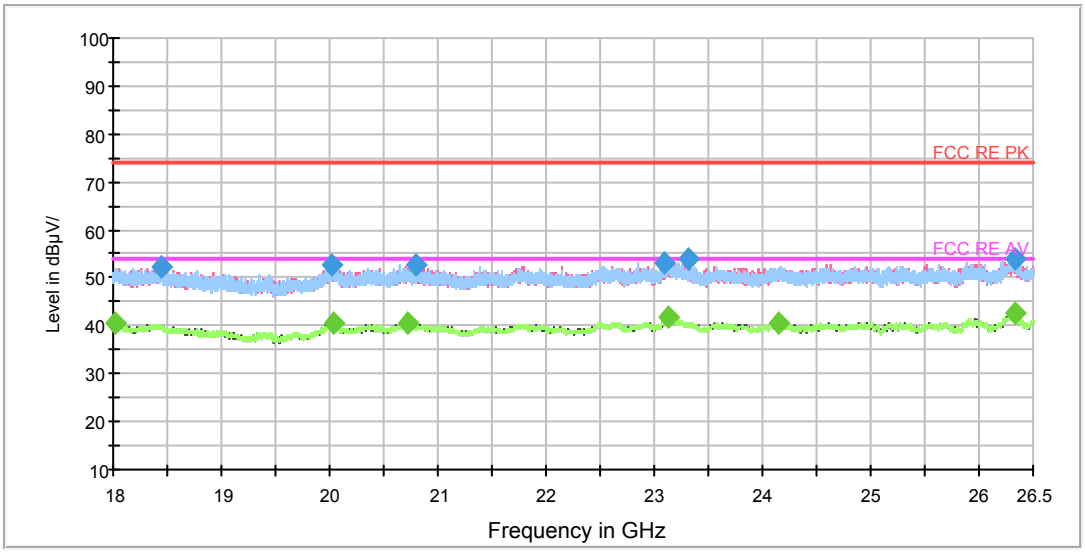
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4006.875000	40.9	102.0	V	273.0	42.0	-1.1	33.1	74
5265.000000	43.0	102.0	H	0.0	45.2	2.2	31.0	74
6993.750000	45.0	102.0	V	327.0	51.5	6.5	29.0	74
9236.250000	46.1	102.0	H	0.0	56.0	9.9	27.9	74
12641.250000	51.0	102.0	V	300.0	65.5	14.5	23.0	74
17713.125000	61.8	102.0	V	273.0	86.4	24.6	12.2	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)
4038.750000	28.2	102.0	H	0.0	29.2	-1.0	25.8	54
5401.875000	30.3	102.0	V	327.0	32.8	2.5	23.7	54
6997.500000	33.4	102.0	V	356.0	39.9	6.5	20.6	54
9234.375000	32.9	102.0	V	300.0	42.8	9.9	21.1	54
12641.250000	39.0	102.0	H	2.0	53.5	14.5	15.0	54
17707.500000	49.5	102.0	V	246.0	74.2	24.7	4.5	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)
18453.687500	52.1	V	307.0	55.8	-3.7	21.9	74
20010.250000	52.7	V	0.0	58.4	-5.7	21.3	74
20802.875000	52.7	V	0.0	59.6	-6.9	21.3	74
23096.812500	53.3	H	318.0	59.4	-6.1	20.7	74
23319.937500	53.8	V	285.0	59.8	-6.0	20.2	74
26327.343750	54.0	H	0.0	59.4	-5.4	20.0	74

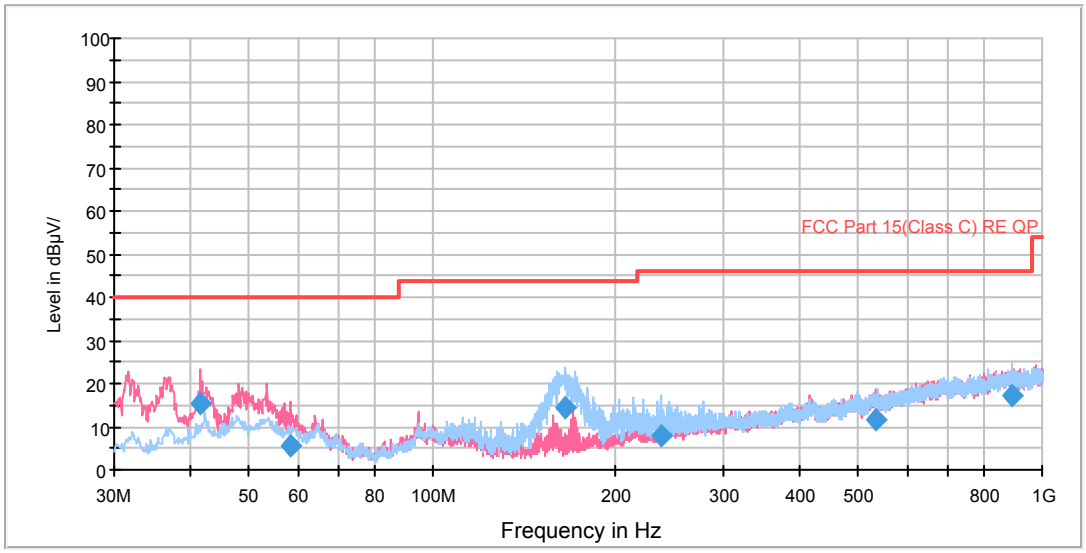
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18011.156250	40.3	V	348.0	42.1	-1.8	13.7	54
20037.343750	40.7	H	99.0	46.4	-5.7	13.3	54
20725.843750	40.4	H	99.0	47.2	-6.8	13.6	54
23130.281250	41.6	H	57.0	47.7	-6.1	12.4	54
24154.531250	40.6	V	0.0	46.5	-5.9	13.4	54
26324.687500	42.5	H	184.0	47.9	-5.4	11.5	54

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

802.11n (HT20) CH11

RE 30M-1GHz QP



Radiates Emission from 30MHz to 1GHz

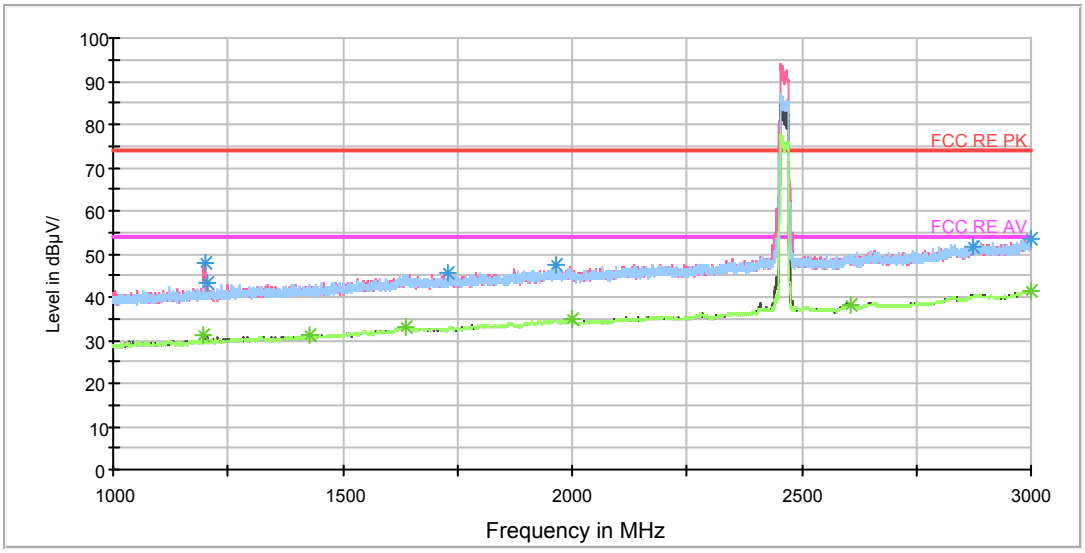
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
41.614953	15.3	120.0	V	209.0	35.7	-20.4	24.7	40.0
58.385622	5.7	125.0	V	266.0	28.5	-22.8	34.3	40.0
164.897925	14.4	125.0	H	269.0	42.7	-28.3	29.1	43.5
236.696500	7.8	125.0	H	232.0	33.2	-25.4	38.2	46.0
534.716250	11.8	125.0	H	206.0	30.1	-18.3	34.2	46.0
890.502250	17.3	101.0	H	161.0	29.9	-12.6	28.7	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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

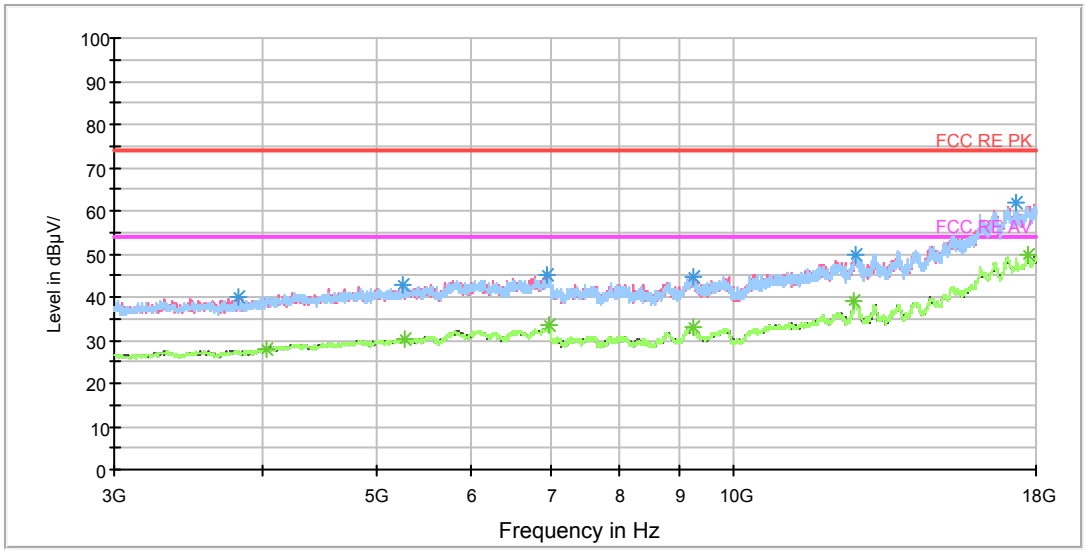
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1199.250000	48.1	102.0	V	0.0	56.3	-8.2	25.9	74
1204.000000	43.0	102.0	V	21.0	51.2	-8.2	31.0	74
1728.500000	45.5	102.0	H	28.0	50.5	-5.0	28.5	74
1966.250000	47.2	102.0	V	0.0	50.6	-3.4	26.8	74
2873.000000	51.4	102.0	V	0.0	53.6	2.2	22.6	74
2999.750000	53.5	102.0	H	5.0	55.8	2.3	20.5	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)
1196.500000	31.0	102.0	V	356.0	39.2	-8.2	23.0	54
1426.250000	31.0	102.0	V	356.0	37.9	-6.9	23.0	54
1639.000000	33.1	102.0	H	98.0	37.8	-4.7	20.9	54
1998.750000	34.9	102.0	V	0.0	38.3	-3.4	19.1	54
2608.000000	38.1	102.0	H	0.0	38.3	0.2	15.9	54
2998.000000	41.4	102.0	V	121.0	43.7	2.3	12.6	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

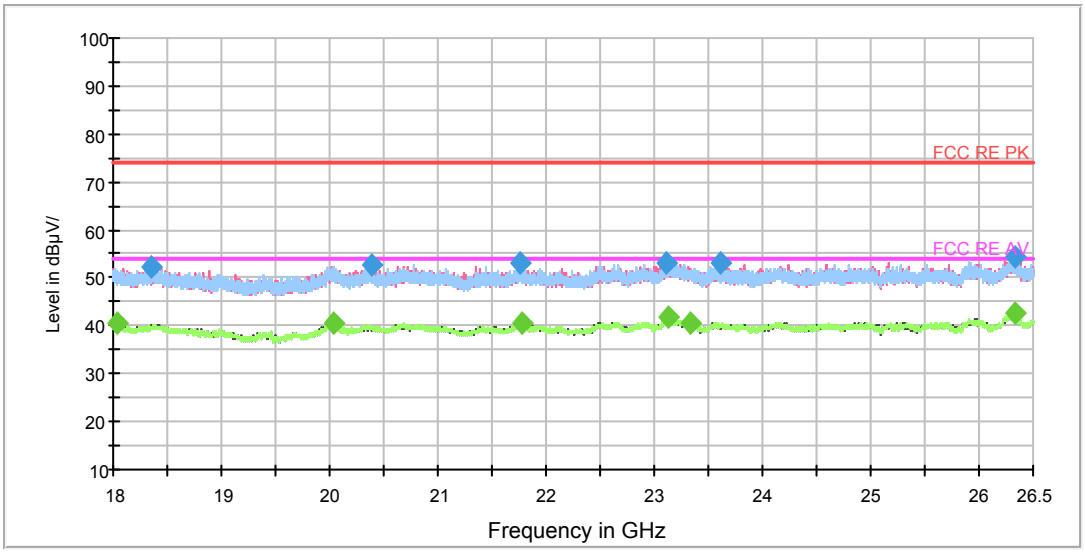
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3825.000000	39.8	102.0	V	0.0	41.6	-1.8	34.2	74
5248.125000	42.9	102.0	V	81.0	45.0	2.1	31.1	74
6961.875000	45.3	102.0	V	302.0	51.5	6.2	28.7	74
9234.375000	44.9	102.0	V	329.0	54.8	9.9	29.1	74
12691.875000	49.9	102.0	H	59.0	64.1	14.2	24.1	74
17319.375000	62.0	102.0	V	275.0	86.3	24.3	12.0	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)
4038.750000	28.1	102.0	V	0.0	29.1	-1.0	25.9	54
5276.250000	30.3	102.0	H	252.0	32.5	2.2	23.7	54
6995.625000	33.5	102.0	H	86.0	40.0	6.5	20.5	54
9241.875000	32.8	102.0	H	4.0	42.7	9.9	21.2	54
12643.125000	39.0	102.0	H	0.0	53.4	14.4	15.0	54
17707.500000	49.6	102.0	H	0.0	74.3	24.7	4.4	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)
18345.312500	52.3	H	0.0	55.6	-3.3	21.7	74
20381.062500	52.7	H	79.0	58.8	-6.1	21.3	74
21752.218750	53.3	H	99.0	61.3	-8.0	20.7	74
23119.656250	53.3	V	304.0	59.4	-6.1	20.7	74
23610.000000	53.0	V	304.0	58.9	-5.9	21.0	74
26335.312500	54.3	H	79.0	59.7	-5.4	19.7	74

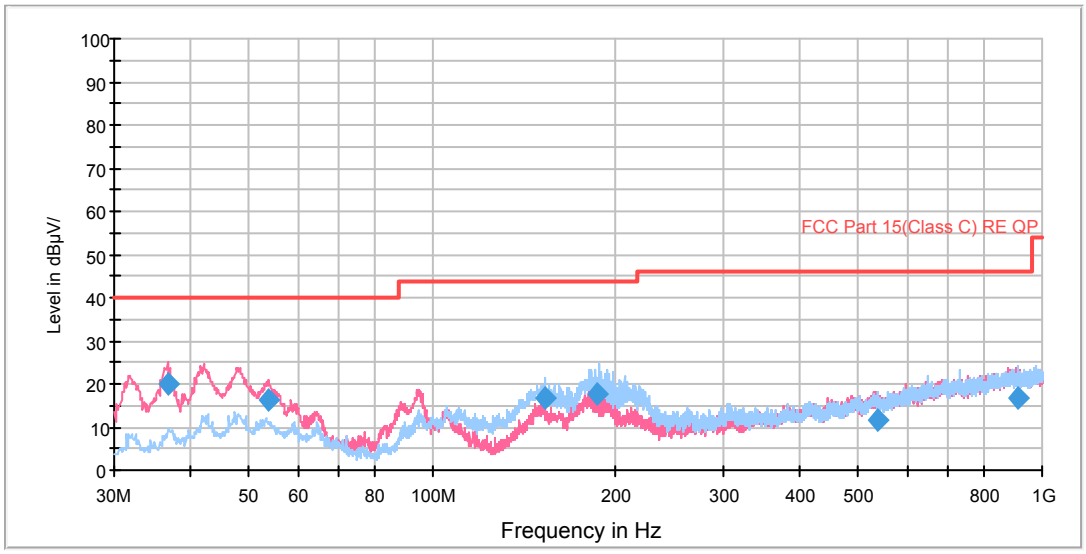
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18036.656250	40.4	H	37.0	42.4	-2.0	13.6	54
20035.750000	40.5	V	0.0	46.2	-5.7	13.5	54
21771.875000	40.4	V	326.0	48.4	-8.0	13.6	54
23138.781250	41.6	V	0.0	47.7	-6.1	12.4	54
23334.812500	40.6	H	344.0	46.6	-6.0	13.4	54
26335.312500	42.6	V	0.0	48.0	-5.4	11.4	54

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

BLE-Channel 0

RE 30M-1GHz QP



Radiates Emission from 30MHz to 1GHz

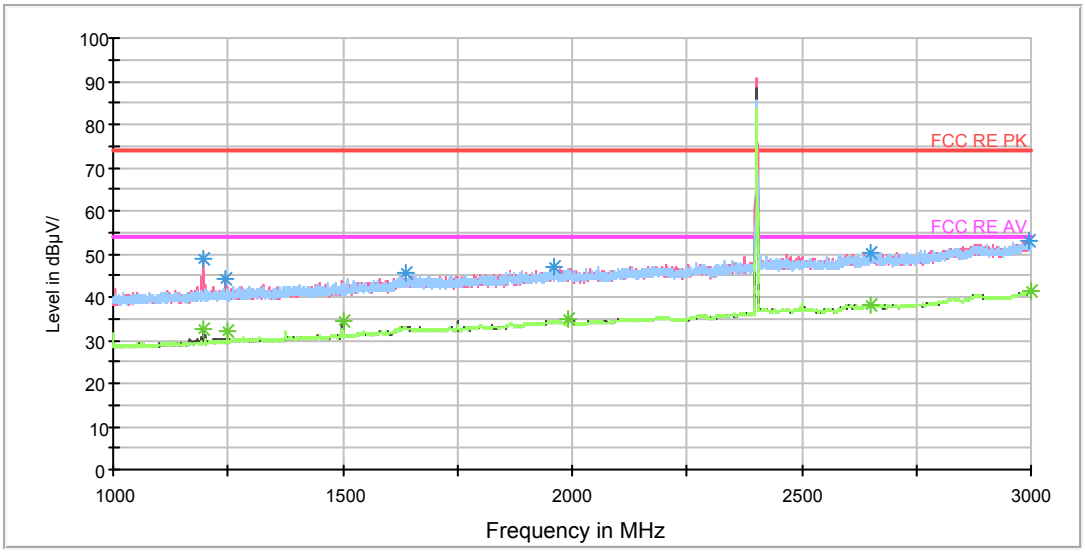
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.737078	19.9	101.0	V	342.0	42.1	-22.2	20.1	40.0
53.751534	16.1	101.0	V	254.0	36.9	-20.8	23.9	40.0
152.763238	16.7	126.0	H	283.0	45.9	-29.2	26.8	43.5
186.591203	17.7	126.0	H	262.0	45.1	-27.4	25.8	43.5
536.772500	11.7	101.0	H	321.0	30.0	-18.3	34.3	46.0
911.384000	16.8	126.0	H	223.0	29.8	-13.0	29.2	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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

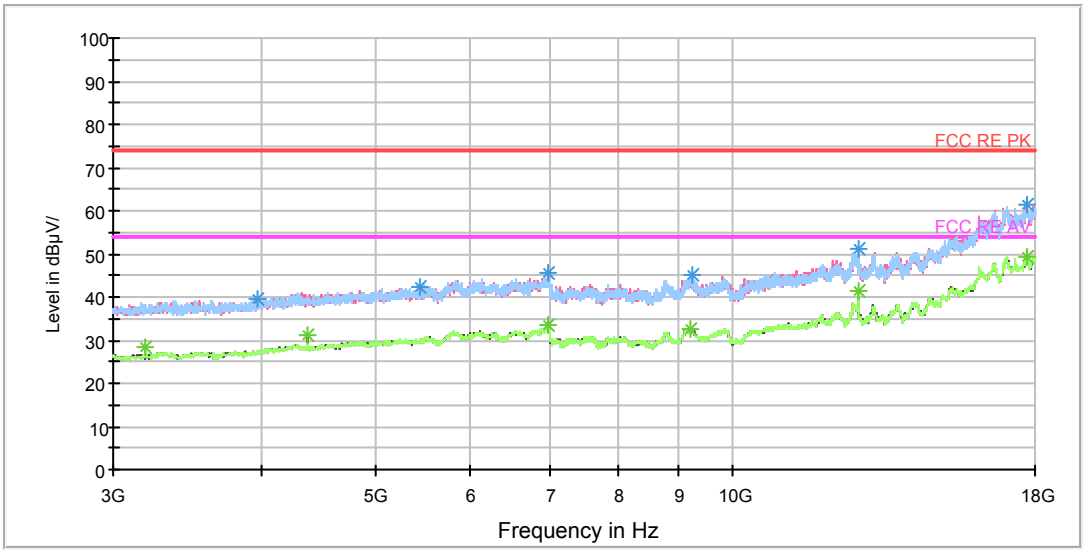
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1195.750000	48.8	102.0	V	0.0	57.0	-8.2	25.2	74
1243.000000	44.2	102.0	V	0.0	52.2	-8.0	29.8	74
1636.000000	45.5	102.0	H	216.0	50.2	-4.7	28.5	74
1960.250000	47.0	102.0	H	0.0	50.2	-3.2	27.0	74
2651.250000	50.1	102.0	V	251.0	50.5	0.4	23.9	74
2995.750000	53.2	102.0	V	72.0	55.5	2.3	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)
1197.500000	32.7	102.0	V	21.0	40.9	-8.2	21.3	54
1250.000000	32.3	102.0	H	48.0	40.3	-8.0	21.7	54
1500.000000	34.5	102.0	V	220.0	41.2	-6.7	19.5	54
1992.000000	34.7	102.0	V	0.0	38.0	-3.3	19.3	54
2649.000000	38.3	102.0	V	172.0	38.7	0.4	15.7	54
3000.000000	41.4	102.0	V	0.0	43.7	2.3	12.6	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

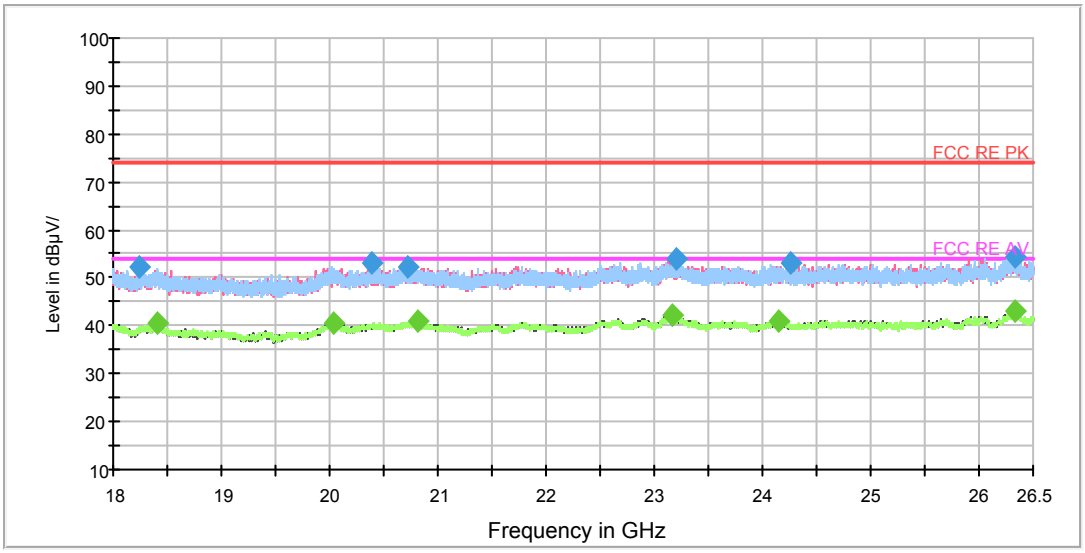
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3967.500000	39.6	102.0	V	164.0	40.5	-0.9	34.4	74
5448.750000	42.2	102.0	H	6.0	45.0	2.8	31.8	74
6991.875000	45.4	102.0	V	354.0	51.9	6.5	28.6	74
9234.375000	44.9	102.0	V	0.0	54.8	9.9	29.1	74
12763.125000	51.1	102.0	H	0.0	65.0	13.9	22.9	74
17713.125000	61.4	102.0	H	0.0	86.0	24.6	12.6	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)
3198.750000	28.2	102.0	H	169.0	31.1	-2.9	25.8	54
4374.375000	31.3	102.0	V	247.0	31.7	0.4	22.7	54
6997.500000	33.4	102.0	H	33.0	39.9	6.5	20.6	54
9223.125000	32.8	102.0	H	169.0	42.7	9.9	21.2	54
12763.125000	41.5	102.0	H	0.0	55.4	13.9	12.5	54
17707.500000	49.5	102.0	V	219.0	74.2	24.7	4.5	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)
18246.500000	52.1	V	90.0	54.9	-2.8	21.9	74
20391.156250	53.2	H	0.0	59.3	-6.1	20.8	74
20715.218750	52.5	V	90.0	59.2	-6.7	21.5	74
23195.093750	53.8	H	0.0	59.8	-6.0	20.2	74
24262.906250	53.2	H	0.0	59.1	-5.9	20.8	74
26325.750000	54.2	V	90.0	59.6	-5.4	19.8	74

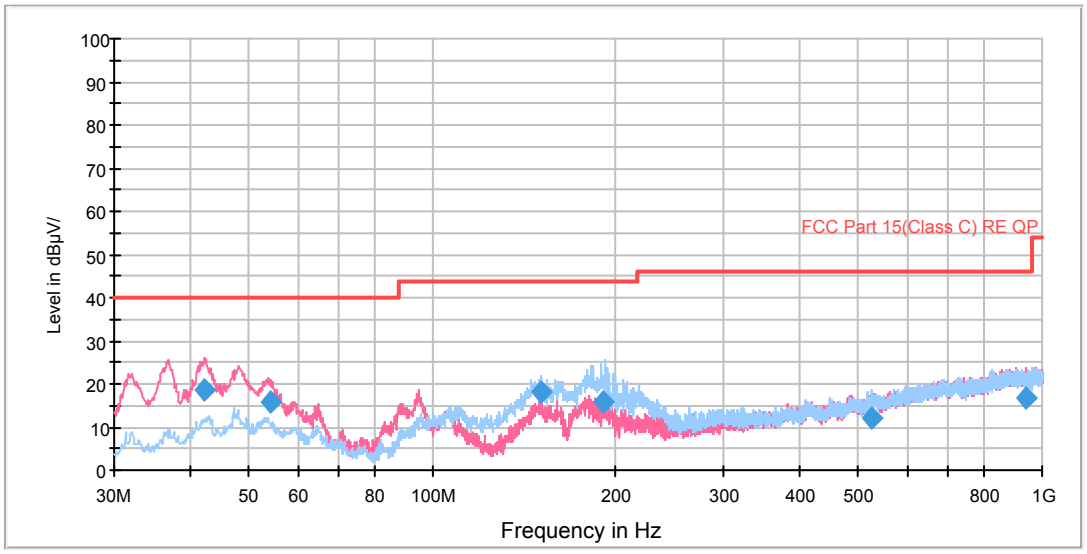
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18400.031250	40.4	H	48.0	43.9	-3.5	13.6	54
20041.062500	40.7	H	2.0	46.4	-5.7	13.3	54
20807.656250	40.8	V	90.0	47.8	-7.0	13.2	54
23172.250000	42.0	V	90.0	48.1	-6.1	12.0	54
24151.875000	41.2	H	0.0	47.1	-5.9	12.8	54
26334.250000	43.0	V	90.0	48.4	-5.4	11.0	54

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

BLE-Channel 19

RE 30M-1GHz QP



Radiates Emission from 30MHz to 1GHz

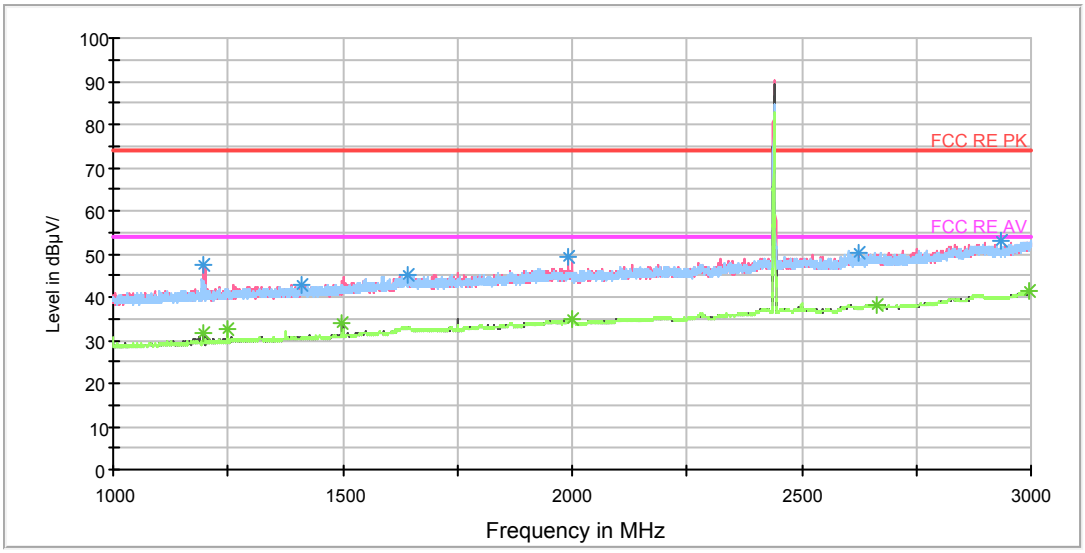
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
42.260634	18.7	101.0	V	287.0	39.1	-20.4	21.3	40.0
54.033428	15.6	101.0	V	269.0	36.5	-20.9	24.4	40.0
150.428088	18.2	126.0	H	278.0	47.4	-29.2	25.3	43.5
190.945290	15.7	126.0	H	247.0	42.8	-27.1	27.8	43.5
525.876750	12.0	101.0	H	212.0	30.6	-18.6	34.0	46.0
942.767500	17.0	126.0	V	160.0	30.1	-13.1	29.0	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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

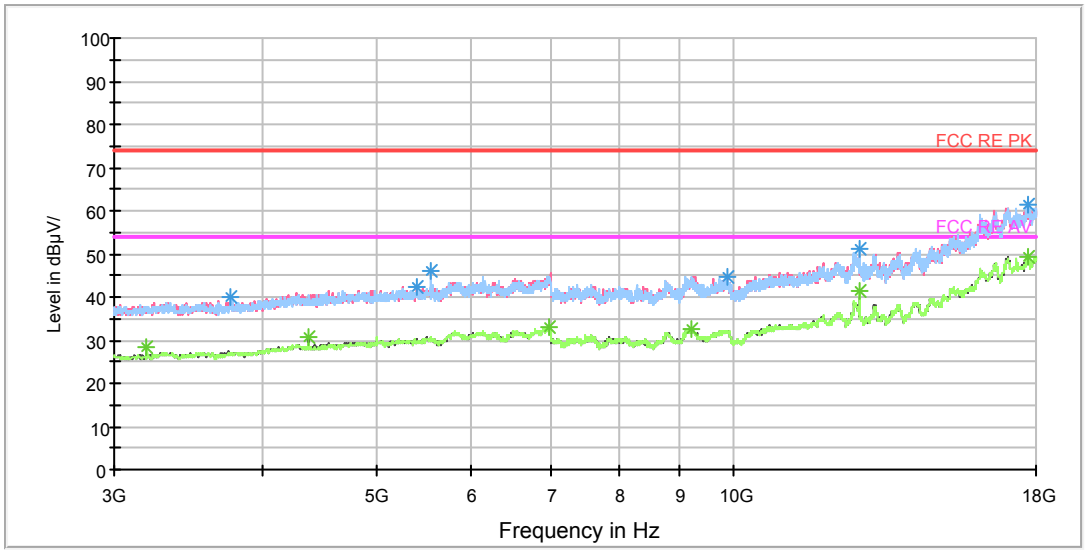
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1197.250000	47.6	102.0	V	0.0	55.8	-8.2	26.4	74
1410.250000	42.8	102.0	H	0.0	49.9	-7.1	31.2	74
1640.500000	45.2	102.0	V	0.0	49.9	-4.7	28.8	74
1992.000000	49.4	102.0	V	337.0	52.7	-3.3	24.6	74
2623.250000	50.1	102.0	V	337.0	50.2	-0.1	23.9	74
2933.250000	52.9	102.0	H	0.0	54.7	1.8	21.1	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)
1197.250000	31.5	102.0	V	0.0	39.7	-8.2	22.5	54
1250.000000	32.4	102.0	H	51.0	40.4	-8.0	21.6	54
1499.750000	34.1	102.0	V	221.0	40.8	-6.7	19.9	54
1999.750000	34.9	102.0	V	173.0	38.3	-3.4	19.1	54
2662.250000	38.3	102.0	V	196.0	38.6	0.3	15.7	54
2995.500000	41.5	102.0	V	313.0	43.8	2.3	12.5	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

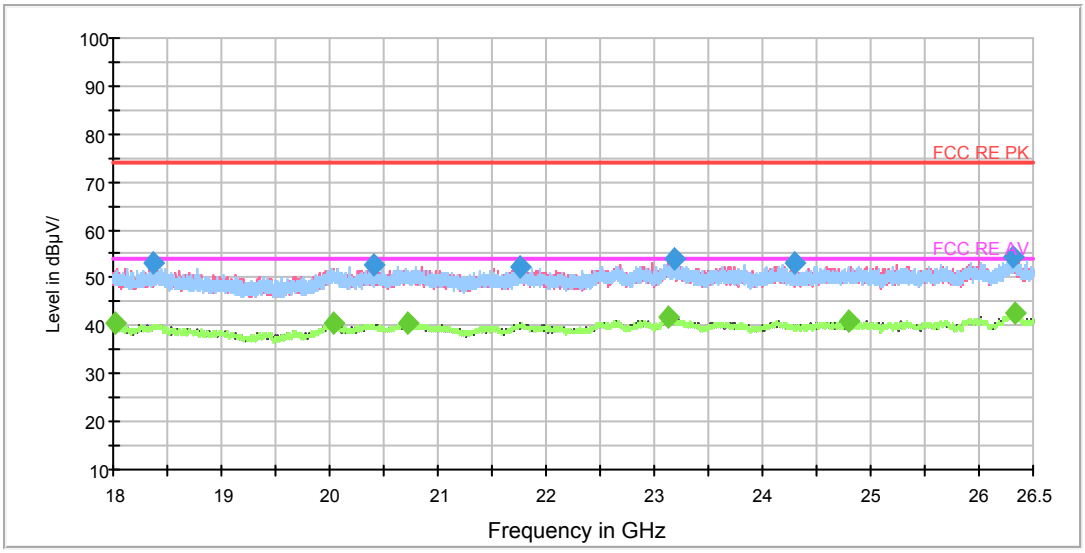
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3766.875000	39.9	102.0	H	196.0	41.6	-1.7	34.1	74
5407.500000	42.4	102.0	V	274.0	45.0	2.6	31.6	74
5551.875000	45.9	102.0	H	60.0	49.1	3.2	28.1	74
9888.750000	44.8	102.0	V	22.0	55.1	10.3	29.2	74
12761.250000	51.2	102.0	H	0.0	65.2	14.0	22.8	74
17716.875000	61.3	102.0	V	303.0	85.9	24.6	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)
3198.750000	28.2	102.0	H	251.0	31.1	-2.9	25.8	54
4374.375000	30.7	102.0	V	248.0	31.1	0.4	23.3	54
6997.500000	33.2	102.0	H	169.0	39.7	6.5	20.8	54
9228.750000	32.7	102.0	V	274.0	42.6	9.9	21.3	54
12763.125000	41.4	102.0	H	0.0	55.3	13.9	12.6	54
17722.500000	49.5	102.0	V	0.0	74.0	24.5	4.5	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)
18364.968750	53.0	V	90.0	56.3	-3.3	21.0	74
20400.187500	52.5	V	66.0	58.6	-6.1	21.5	74
21767.625000	52.3	V	90.0	60.3	-8.0	21.7	74
23183.406250	53.9	H	0.0	59.9	-6.0	20.1	74
24287.343750	52.9	H	0.0	58.9	-6.0	21.1	74
26306.093750	54.5	V	89.0	59.9	-5.4	19.5	74

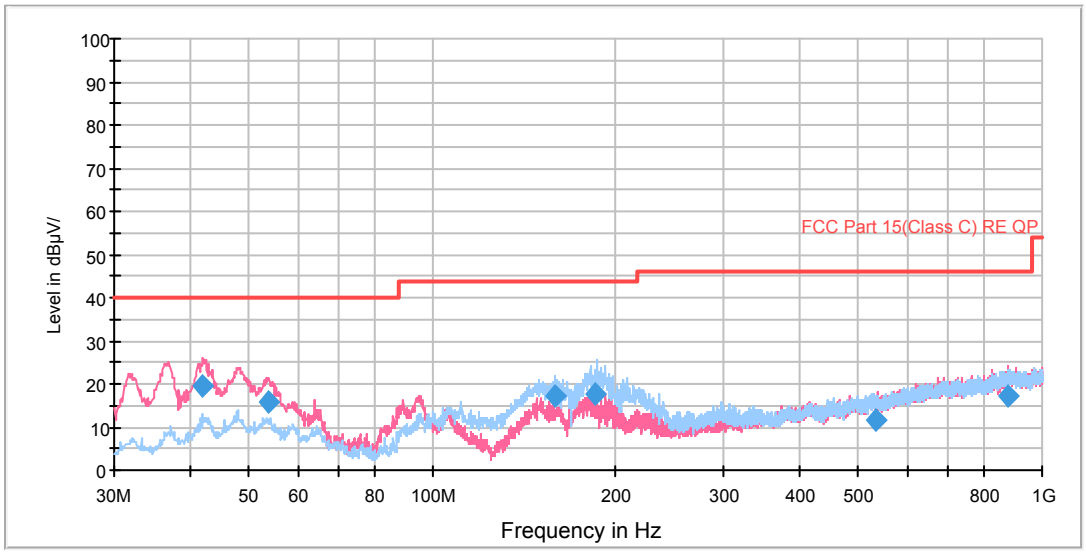
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18021.781250	40.4	H	0.0	42.3	-1.9	13.6	54
20030.968750	40.8	V	90.0	46.5	-5.7	13.2	54
20724.781250	40.5	H	2.0	47.2	-6.7	13.5	54
23129.750000	41.7	H	0.0	47.8	-6.1	12.3	54
24797.343750	40.9	V	89.0	46.9	-6.0	13.1	54
26333.187500	42.7	H	0.0	48.1	-5.4	11.3	54

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

BLE-Channel 39

RE 30M-1GHz QP



Radiates Emission from 30MHz to 1GHz

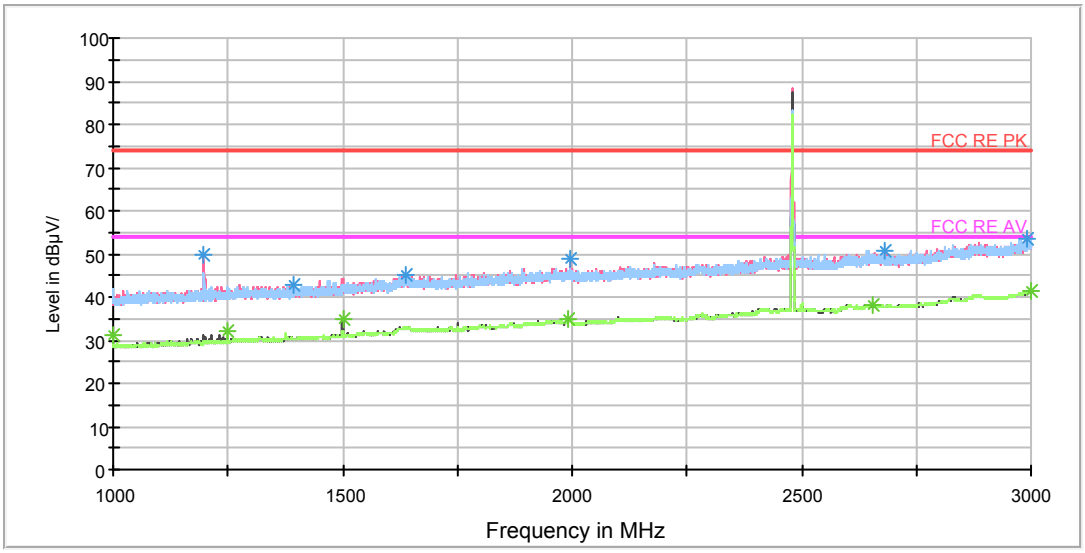
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
41.978740	19.4	101.0	V	233.0	39.7	-20.3	20.6	40.0
53.831534	15.9	101.0	V	274.0	36.7	-20.8	24.1	40.0
158.888688	17.3	126.0	H	280.0	46.1	-28.8	26.2	43.5
185.139840	17.5	126.0	H	280.0	45.0	-27.5	26.0	43.5
534.232750	11.8	101.0	V	43.0	30.1	-18.3	34.2	46.0
876.106250	17.2	101.0	V	284.0	30.1	-12.9	28.8	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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

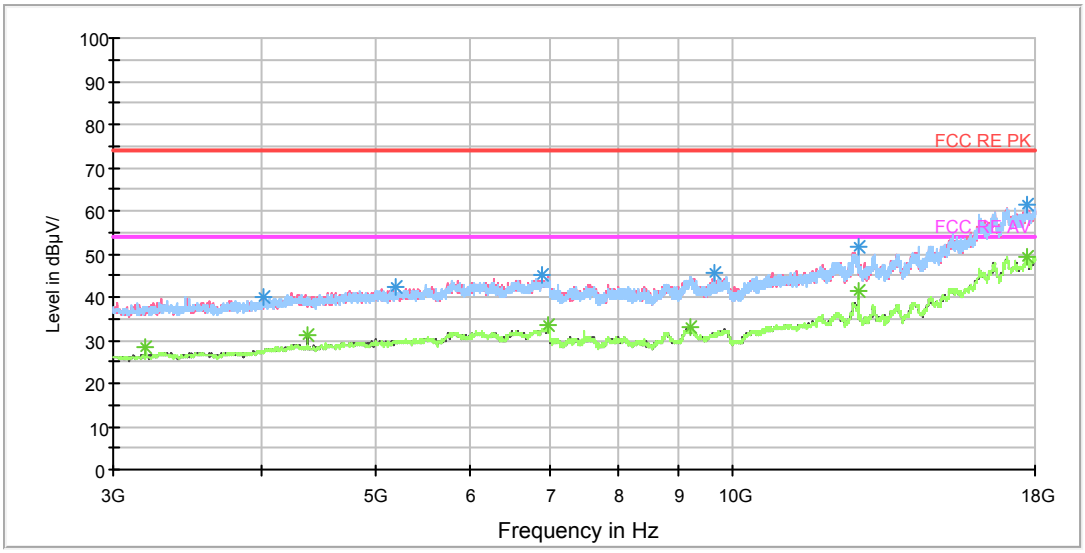
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1195.750000	49.8	102.0	V	21.0	58.0	-8.2	24.2	74
1395.000000	42.9	102.0	V	308.0	50.0	-7.1	31.1	74
1636.750000	45.0	102.0	V	0.0	49.7	-4.7	29.0	74
1993.750000	48.6	102.0	V	354.0	51.9	-3.3	25.4	74
2682.250000	50.5	102.0	V	0.0	50.7	0.2	23.5	74
2993.250000	53.5	102.0	H	54.0	55.7	2.2	20.5	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)
1000.250000	31.2	102.0	H	314.0	40.4	-9.2	22.8	54
1250.000000	32.1	102.0	H	54.0	40.1	-8.0	21.9	54
1500.000000	34.9	102.0	V	215.0	41.6	-6.7	19.1	54
1992.500000	34.7	102.0	V	354.0	38.0	-3.3	19.3	54
2656.750000	38.3	102.0	V	0.0	38.7	0.4	15.7	54
2998.250000	41.4	102.0	H	101.0	43.7	2.3	12.6	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

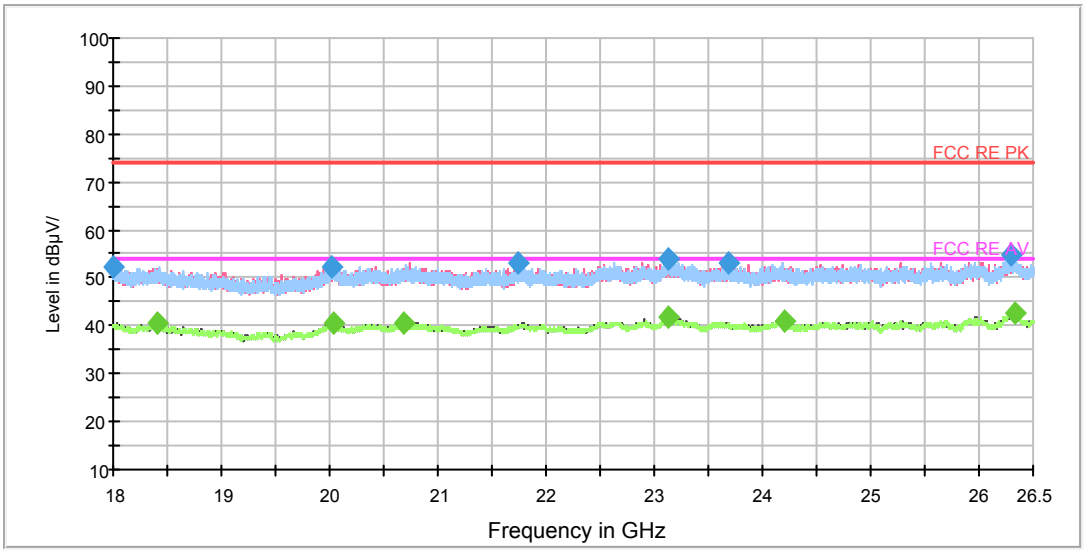
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4023.750000	40.2	102.0	V	52.0	41.3	-1.1	33.8	74
5191.875000	42.2	102.0	H	168.0	44.3	2.1	31.8	74
6911.250000	45.3	102.0	H	0.0	51.5	6.2	28.7	74
9646.875000	45.4	102.0	H	251.0	55.2	9.8	28.6	74
12763.125000	51.6	102.0	H	0.0	65.5	13.9	22.4	74
17711.250000	61.4	102.0	H	0.0	86.1	24.7	12.6	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)
3198.750000	28.2	102.0	H	251.0	31.1	-2.9	25.8	54
4374.375000	31.0	102.0	V	247.0	31.4	0.4	23.0	54
6997.500000	33.3	102.0	V	0.0	39.8	6.5	20.7	54
9219.375000	32.9	102.0	V	0.0	42.8	9.9	21.1	54
12763.125000	41.4	102.0	H	0.0	55.3	13.9	12.6	54
17703.750000	49.4	102.0	V	329.0	74.1	24.7	4.6	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)
18002.656250	52.4	V	285.0	54.2	-1.8	21.6	74
20027.250000	52.4	V	137.0	58.1	-5.7	21.6	74
21745.312500	53.2	H	141.0	61.2	-8.0	20.8	74
23138.250000	53.8	H	0.0	59.9	-6.1	20.2	74
23679.062500	53.2	H	35.0	59.1	-5.9	20.8	74
26300.781250	54.9	H	0.0	60.3	-5.4	19.1	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)
18409.062500	40.4	H	249.0	43.9	-3.5	13.6	54
20035.750000	40.6	H	120.0	46.3	-5.7	13.4	54
20678.562500	40.6	V	327.0	47.2	-6.6	13.4	54
23128.687500	41.8	V	348.0	47.9	-6.1	12.2	54
24197.562500	40.8	V	285.0	46.7	-5.9	13.2	54
26333.187500	42.7	V	348.0	48.1	-5.4	11.3	54

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

5.8. Conducted Emission

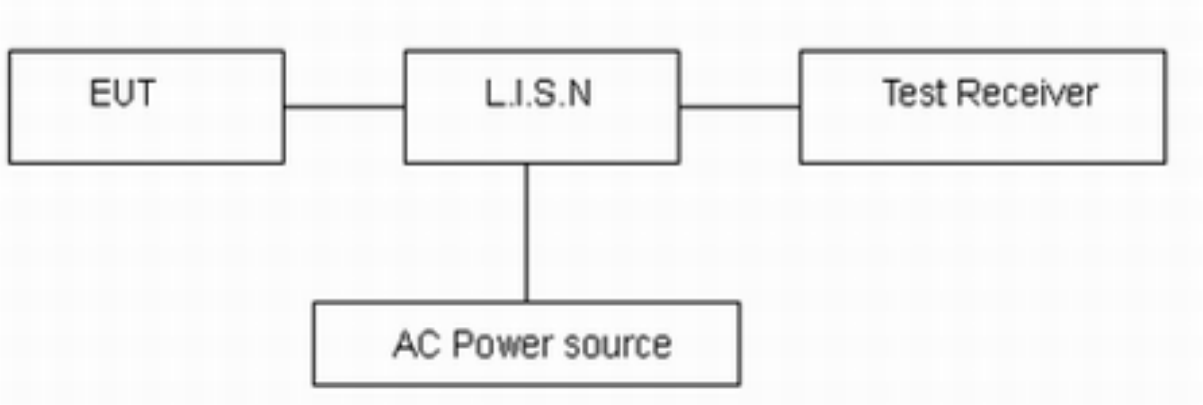
Ambient condition

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

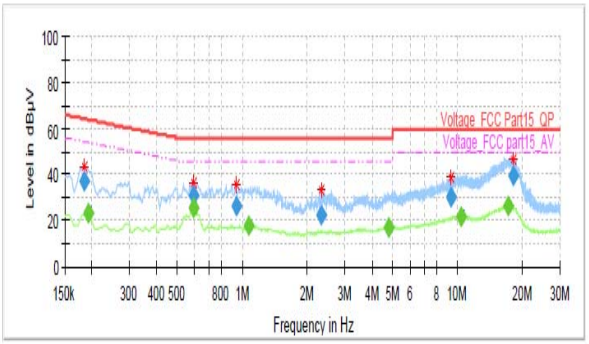
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96, U= 2.69 dB.

Test Results:

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

802.11b, Channel No.: 1

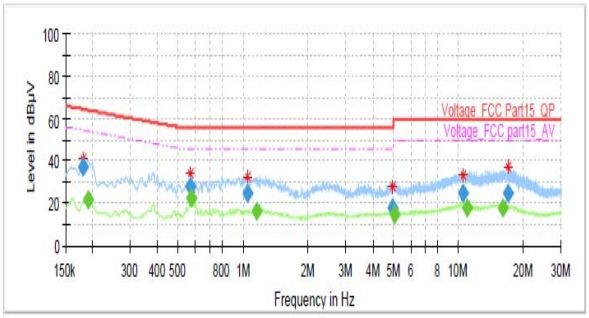
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.183750	36.96	---	64.31	27.35	1000.0	9.000	L1	ON	19.2
0.192750	---	23.62	53.92	30.30	1000.0	9.000	L1	ON	19.2
0.591000	31.31	---	56.00	24.69	1000.0	9.000	L1	ON	19.3
0.593250	---	25.59	46.00	20.41	1000.0	9.000	L1	ON	19.3
0.935250	26.21	---	56.00	29.79	1000.0	9.000	L1	ON	19.2
1.077000	---	17.58	46.00	28.42	1000.0	9.000	L1	ON	19.2
2.319000	22.26	---	56.00	33.74	1000.0	9.000	L1	ON	19.0
4.769250	---	16.89	46.00	29.11	1000.0	9.000	L1	ON	19.1
9.330000	30.39	---	60.00	29.61	1000.0	9.000	L1	ON	19.3
10.421250	---	21.99	50.00	28.01	1000.0	9.000	L1	ON	19.4
17.247750	---	26.02	50.00	23.98	1000.0	9.000	L1	ON	19.6
18.073500	39.74	---	60.00	20.26	1000.0	9.000	L1	ON	19.5

N Line

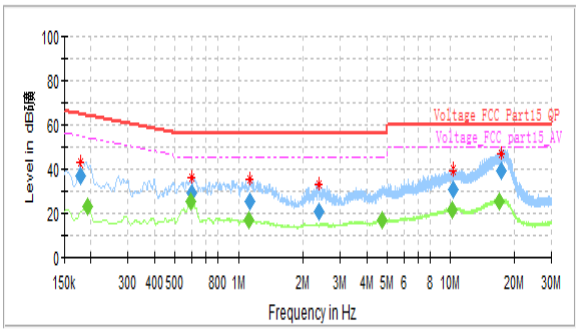


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.181500	37.25	---	64.42	27.17	1000.0	9.000	N	ON	19.2
0.190500	---	21.48	54.02	32.53	1000.0	9.000	N	ON	19.2
0.570750	27.96	---	56.00	28.04	1000.0	9.000	N	ON	19.3
0.573000	---	22.31	46.00	23.69	1000.0	9.000	N	ON	19.3
1.043250	24.80	---	56.00	31.20	1000.0	9.000	N	ON	19.2
1.153500	---	16.29	46.00	29.71	1000.0	9.000	N	ON	19.2
4.962750	17.72	---	56.00	38.28	1000.0	9.000	N	ON	19.1
5.075250	---	14.76	50.00	35.24	1000.0	9.000	N	ON	19.1
10.459500	24.81	---	60.00	35.19	1000.0	9.000	N	ON	19.4
11.028750	---	17.76	50.00	32.24	1000.0	9.000	N	ON	19.4
16.104750	---	18.06	50.00	31.94	1000.0	9.000	N	ON	19.4
16.993500	24.73	---	60.00	35.27	1000.0	9.000	N	ON	19.5

802.11b, Channel No.: 6

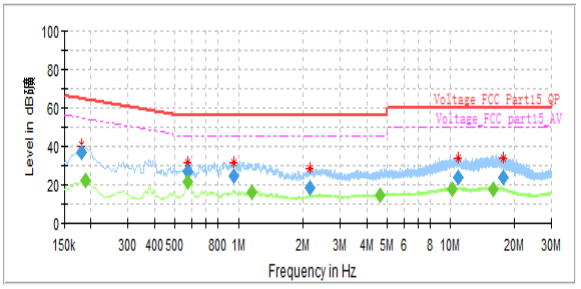
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.179250	37.52	---	64.52	27.00	1000.0	9.000	L1	ON	19.2
0.192750	---	23.20	53.92	30.72	1000.0	9.000	L1	ON	19.2
0.593250	---	25.58	46.00	20.42	1000.0	9.000	L1	ON	19.3
0.600000	29.66	---	56.00	26.34	1000.0	9.000	L1	ON	19.3
1.122000	---	17.36	46.00	28.64	1000.0	9.000	L1	ON	19.2
1.126500	25.49	---	56.00	30.51	1000.0	9.000	L1	ON	19.2
2.377500	21.28	---	56.00	34.72	1000.0	9.000	L1	ON	19.0
4.737750	---	16.92	46.00	29.08	1000.0	9.000	L1	ON	19.1
10.117500	---	21.95	50.00	28.05	1000.0	9.000	L1	ON	19.4
10.266000	30.82	---	60.00	29.18	1000.0	9.000	L1	ON	19.4
16.971000	---	25.89	50.00	24.11	1000.0	9.000	L1	ON	19.6
17.290500	39.48	---	60.00	20.52	1000.0	9.000	L1	ON	19.6

N Line

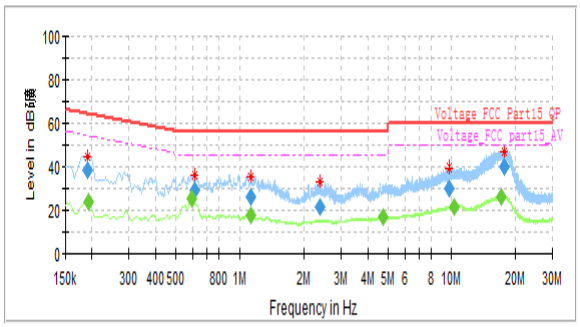


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.181500	37.05	---	64.42	27.37	1000.0	9.000	N	ON	19.2
0.188250	---	22.44	54.11	31.67	1000.0	9.000	N	ON	19.2
0.575250	---	21.56	46.00	24.44	1000.0	9.000	N	ON	19.3
0.575250	26.84	---	56.00	29.16	1000.0	9.000	N	ON	19.3
0.955500	25.04	---	56.00	30.96	1000.0	9.000	N	ON	19.2
1.151250	---	16.54	46.00	29.46	1000.0	9.000	N	ON	19.2
2.163750	18.77	---	56.00	37.23	1000.0	9.000	N	ON	19.1
4.647750	---	14.67	46.00	31.33	1000.0	9.000	N	ON	19.1
10.212000	---	18.12	50.00	31.88	1000.0	9.000	N	ON	19.4
10.884750	24.04	---	60.00	35.96	1000.0	9.000	N	ON	19.4
15.940500	---	18.15	50.00	31.85	1000.0	9.000	N	ON	19.4
17.794500	24.04	---	60.00	35.96	1000.0	9.000	N	ON	19.5

802.11b, Channel No.: 11

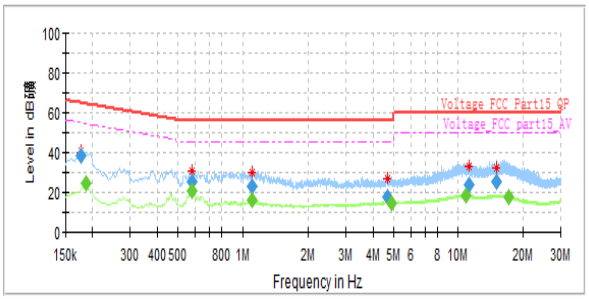
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.190500	39.14	---	64.02	24.87	1000.0	9.000	L1	ON	19.2
0.192750	---	24.35	53.92	29.57	1000.0	9.000	L1	ON	19.2
0.591000	---	25.54	46.00	20.46	1000.0	9.000	L1	ON	19.3
0.613500	29.68	---	56.00	26.32	1000.0	9.000	L1	ON	19.3
1.133250	26.58	---	56.00	29.42	1000.0	9.000	L1	ON	19.2
1.137750	---	17.60	46.00	28.40	1000.0	9.000	L1	ON	19.2
2.368500	21.42	---	56.00	34.58	1000.0	9.000	L1	ON	19.0
4.751250	---	16.98	46.00	29.02	1000.0	9.000	L1	ON	19.1
9.703500	30.61	---	60.00	29.39	1000.0	9.000	L1	ON	19.4
10.286250	---	21.66	50.00	28.34	1000.0	9.000	L1	ON	19.4
17.173500	---	26.18	50.00	23.82	1000.0	9.000	L1	ON	19.6
17.740500	39.92	---	60.00	20.08	1000.0	9.000	L1	ON	19.6

N Line

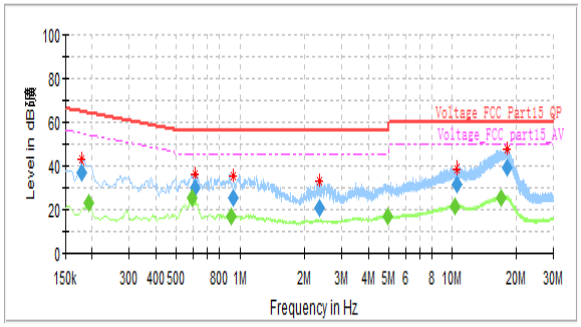


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.177000	38.94	---	64.63	25.68	1000.0	9.000	N	ON	19.2
0.186000	---	24.59	54.21	29.62	1000.0	9.000	N	ON	19.2
0.584250	---	20.64	46.00	25.36	1000.0	9.000	N	ON	19.3
0.584250	25.89	---	56.00	30.11	1000.0	9.000	N	ON	19.3
1.106250	---	16.57	46.00	29.43	1000.0	9.000	N	ON	19.2
1.108500	23.23	---	56.00	32.77	1000.0	9.000	N	ON	19.2
4.663500	17.60	---	56.00	38.40	1000.0	9.000	N	ON	19.1
4.893000	---	14.83	46.00	31.17	1000.0	9.000	N	ON	19.1
10.882500	---	18.95	50.00	31.05	1000.0	9.000	N	ON	19.4
11.283000	23.88	---	60.00	36.12	1000.0	9.000	N	ON	19.4
15.141750	25.20	---	60.00	34.80	1000.0	9.000	N	ON	19.5
17.247750	---	17.97	50.00	32.04	1000.0	9.000	N	ON	19.5

802.11g, Channel No.: 1

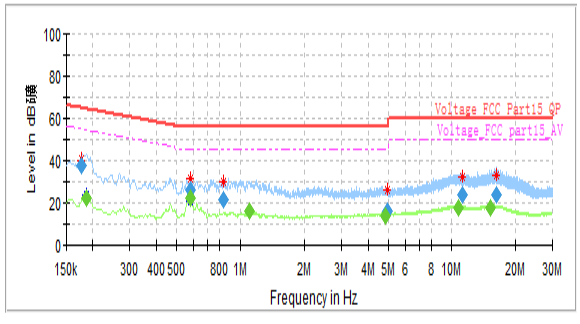
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.179250	37.26	---	64.52	27.26	1000.0	9.000	L1	ON	19.2
0.192750	---	22.97	53.92	30.95	1000.0	9.000	L1	ON	19.2
0.591000	---	25.69	46.00	20.31	1000.0	9.000	L1	ON	19.3
0.615750	30.14	---	56.00	25.86	1000.0	9.000	L1	ON	19.3
0.906000	---	17.39	46.00	28.61	1000.0	9.000	L1	ON	19.2
0.926250	25.89	---	56.00	30.11	1000.0	9.000	L1	ON	19.2
2.364000	20.89	---	56.00	35.11	1000.0	9.000	L1	ON	19.0
4.931250	---	17.01	46.00	28.99	1000.0	9.000	L1	ON	19.1
10.306500	---	22.04	50.00	27.96	1000.0	9.000	L1	ON	19.4
10.482000	31.47	---	60.00	28.53	1000.0	9.000	L1	ON	19.4
17.007000	---	25.94	50.00	24.06	1000.0	9.000	L1	ON	19.6
18.141000	39.23	---	60.00	20.77	1000.0	9.000	L1	ON	19.5

N Line

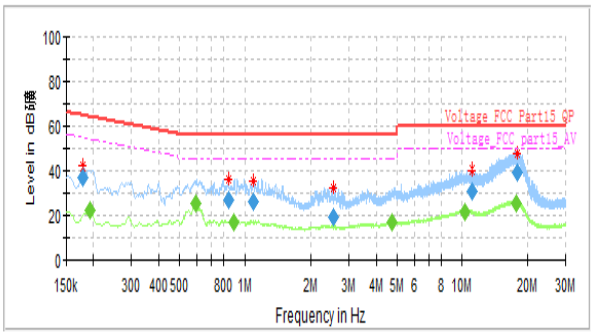


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.177000	38.09	---	64.63	26.54	1000.0	9.000	N	ON	19.2
0.186000	---	22.37	54.21	31.84	1000.0	9.000	N	ON	19.2
0.582000	---	22.33	46.00	23.67	1000.0	9.000	N	ON	19.3
0.584250	26.38	---	56.00	29.62	1000.0	9.000	N	ON	19.3
0.831750	21.73	---	56.00	34.27	1000.0	9.000	N	ON	19.2
1.106250	---	16.24	46.00	29.76	1000.0	9.000	N	ON	19.2
4.852500	---	14.23	46.00	31.77	1000.0	9.000	N	ON	19.1
4.940250	16.36	---	56.00	39.64	1000.0	9.000	N	ON	19.1
10.794750	---	17.84	50.00	32.16	1000.0	9.000	N	ON	19.4
11.222250	23.91	---	60.00	36.09	1000.0	9.000	N	ON	19.4
15.231750	---	17.66	50.00	32.34	1000.0	9.000	N	ON	19.4
16.199250	24.38	---	60.00	35.62	1000.0	9.000	N	ON	19.4

802.11g, Channel No.: 6

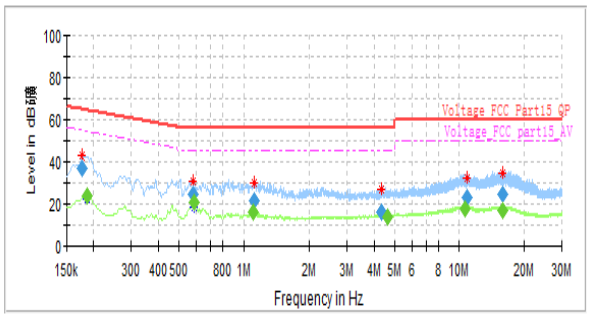
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.179250	36.82	---	64.52	27.70	1000.0	9.000	L1	ON	19.2
0.192750	---	22.71	53.92	31.20	1000.0	9.000	L1	ON	19.2
0.591000	---	25.61	46.00	20.39	1000.0	9.000	L1	ON	19.3
0.838500	27.29	---	56.00	28.71	1000.0	9.000	L1	ON	19.2
0.885750	---	17.43	46.00	28.57	1000.0	9.000	L1	ON	19.2
1.095000	26.36	---	56.00	29.64	1000.0	9.000	L1	ON	19.2
2.546250	19.76	---	56.00	36.24	1000.0	9.000	L1	ON	19.0
4.733250	---	16.93	46.00	29.07	1000.0	9.000	L1	ON	19.1
10.340250	---	22.08	50.00	27.92	1000.0	9.000	L1	ON	19.4
11.073750	31.21	---	60.00	28.79	1000.0	9.000	L1	ON	19.4
17.794500	---	25.96	50.00	24.04	1000.0	9.000	L1	ON	19.6
17.871000	39.53	---	60.00	20.47	1000.0	9.000	L1	ON	19.6

N Line

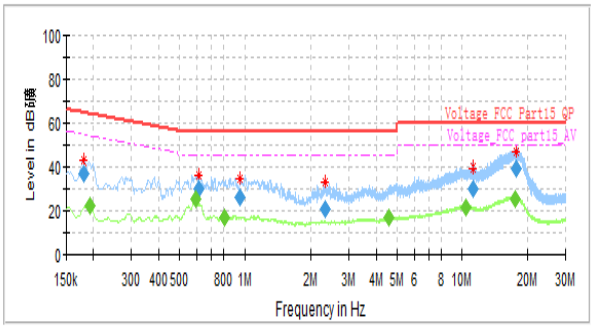


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.177000	37.43	---	64.63	27.20	1000.0	9.000	N	ON	19.2
0.186000	---	23.71	54.21	30.50	1000.0	9.000	N	ON	19.2
0.584250	24.55	---	56.00	31.45	1000.0	9.000	N	ON	19.3
0.588750	---	20.65	46.00	25.35	1000.0	9.000	N	ON	19.3
1.106250	---	16.19	46.00	29.81	1000.0	9.000	N	ON	19.2
1.122000	21.57	---	56.00	34.43	1000.0	9.000	N	ON	19.2
4.350750	16.01	---	56.00	39.99	1000.0	9.000	N	ON	19.1
4.616250	---	14.18	46.00	31.82	1000.0	9.000	N	ON	19.1
10.594500	---	17.78	50.00	32.22	1000.0	9.000	N	ON	19.4
10.826250	23.02	---	60.00	36.98	1000.0	9.000	N	ON	19.4
15.861750	24.52	---	60.00	35.49	1000.0	9.000	N	ON	19.4
15.954000	---	17.37	50.00	32.63	1000.0	9.000	N	ON	19.4

802.11g, Channel No.: 11

L Line



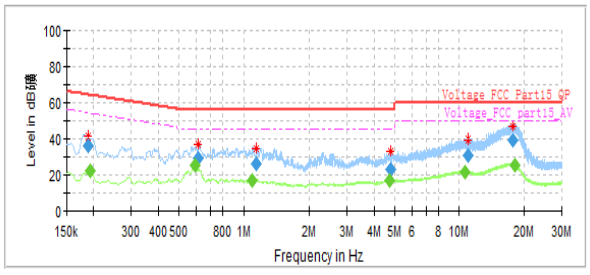
Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.181500	37.17	---	64.42	27.25	1000.0	9.000	L1	ON	19.2
0.192750	---	22.78	53.92	31.14	1000.0	9.000	L1	ON	19.2
0.593250	---	25.65	46.00	20.35	1000.0	9.000	L1	ON	19.3
0.615750	30.41	---	56.00	25.59	1000.0	9.000	L1	ON	19.3
0.809250	---	17.34	46.00	28.66	1000.0	9.000	L1	ON	19.2
0.955500	26.09	---	56.00	29.91	1000.0	9.000	L1	ON	19.2
2.330250	21.27	---	56.00	34.73	1000.0	9.000	L1	ON	19.0
4.571250	---	16.80	46.00	29.20	1000.0	9.000	L1	ON	19.1
10.434750	---	22.06	50.00	27.94	1000.0	9.000	L1	ON	19.4
11.204250	30.56	---	60.00	29.44	1000.0	9.000	L1	ON	19.4
17.657250	---	25.95	50.00	24.05	1000.0	9.000	L1	ON	19.6
17.673000	39.73	---	60.00	20.27	1000.0	9.000	L1	ON	19.6

N Line

802.11n(HT20), Channel No.: 1

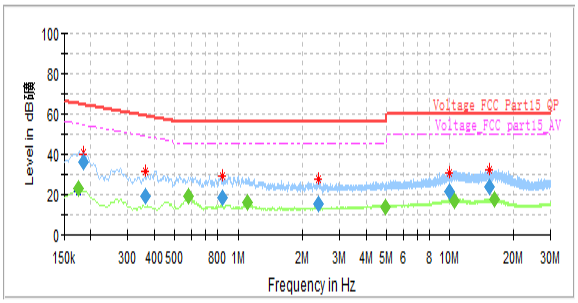
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.188250	36.05	---	64.11	28.06	1000.0	9.000	L1	ON	19.2
0.192750	---	22.71	53.92	31.21	1000.0	9.000	L1	ON	19.2
0.591000	---	25.68	46.00	20.32	1000.0	9.000	L1	ON	19.3
0.613500	29.74	---	56.00	26.26	1000.0	9.000	L1	ON	19.3
1.090500	---	17.40	46.00	28.60	1000.0	9.000	L1	ON	19.2
1.142250	26.18	---	56.00	29.82	1000.0	9.000	L1	ON	19.2
4.749000	---	16.94	46.00	29.06	1000.0	9.000	L1	ON	19.1
4.798500	23.35	---	56.00	32.65	1000.0	9.000	L1	ON	19.1
10.576500	---	21.99	50.00	28.01	1000.0	9.000	L1	ON	19.4
10.959000	30.92	---	60.00	29.08	1000.0	9.000	L1	ON	19.4
17.812500	39.52	---	60.00	20.48	1000.0	9.000	L1	ON	19.6
18.080250	---	25.86	50.00	24.14	1000.0	9.000	L1	ON	19.5

N Line

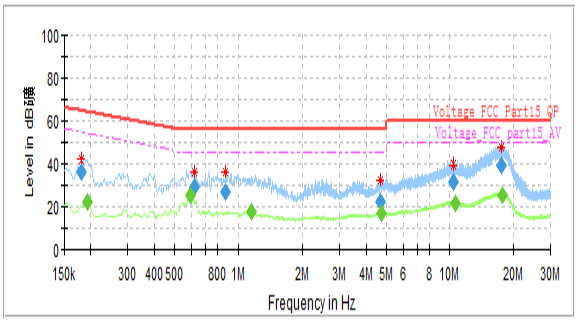


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.174750	---	23.45	54.73	31.28	1000.0	9.000	N	ON	19.2
0.183750	36.39	---	64.31	27.92	1000.0	9.000	N	ON	19.2
0.361500	19.56	---	58.69	39.13	1000.0	9.000	N	ON	19.2
0.584250	---	19.73	46.00	26.27	1000.0	9.000	N	ON	19.3
0.843000	18.28	---	56.00	37.72	1000.0	9.000	N	ON	19.2
1.106250	---	16.23	46.00	29.77	1000.0	9.000	N	ON	19.2
2.377500	15.62	---	56.00	40.38	1000.0	9.000	N	ON	19.0
4.924500	---	14.22	46.00	31.78	1000.0	9.000	N	ON	19.1
9.991500	21.43	---	60.00	38.57	1000.0	9.000	N	ON	19.4
10.520250	---	17.39	50.00	32.61	1000.0	9.000	N	ON	19.4
15.369000	23.98	---	60.00	36.02	1000.0	9.000	N	ON	19.4
16.197000	---	17.61	50.00	32.39	1000.0	9.000	N	ON	19.4

802.11n(HT20), Channel No.: 6

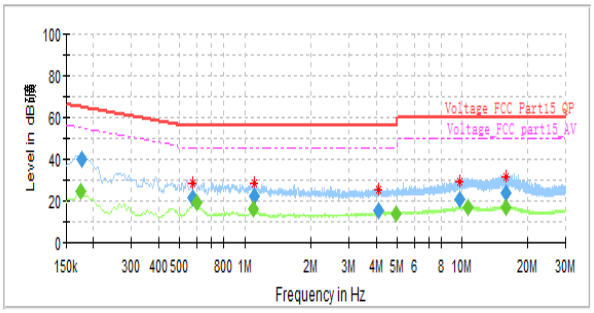
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.181500	36.75	---	64.42	27.66	1000.0	9.000	L1	ON	19.2
0.192750	---	22.80	53.92	31.12	1000.0	9.000	L1	ON	19.2
0.591000	---	25.27	46.00	20.73	1000.0	9.000	L1	ON	19.3
0.622500	29.50	---	56.00	26.50	1000.0	9.000	L1	ON	19.3
0.870000	27.37	---	56.00	28.63	1000.0	9.000	L1	ON	19.2
1.153500	---	17.47	46.00	28.53	1000.0	9.000	L1	ON	19.2
4.670250	22.45	---	56.00	33.55	1000.0	9.000	L1	ON	19.1
4.760250	---	16.89	46.00	29.11	1000.0	9.000	L1	ON	19.1
10.344750	31.49	---	60.00	28.51	1000.0	9.000	L1	ON	19.4
10.623750	---	22.01	50.00	27.99	1000.0	9.000	L1	ON	19.4
17.589750	39.29	---	60.00	20.71	1000.0	9.000	L1	ON	19.6
17.749500	---	25.96	50.00	24.04	1000.0	9.000	L1	ON	19.6

N Line

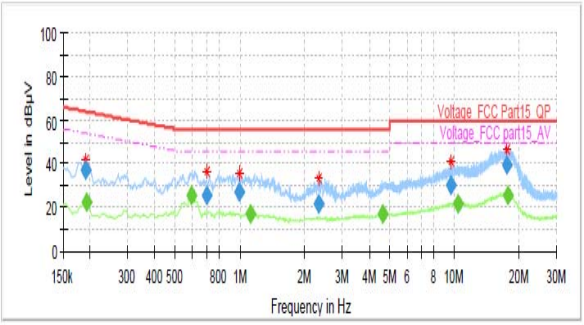


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.174750	---	24.91	54.73	29.82	1000.0	9.000	N	ON	19.2
0.177000	40.50	---	64.63	24.13	1000.0	9.000	N	ON	19.2
0.577500	21.68	---	56.00	34.32	1000.0	9.000	N	ON	19.3
0.597750	---	19.40	46.00	26.60	1000.0	9.000	N	ON	19.3
1.090500	---	15.94	46.00	30.06	1000.0	9.000	N	ON	19.2
1.106250	22.54	---	56.00	33.46	1000.0	9.000	N	ON	19.2
4.107750	15.75	---	56.00	40.25	1000.0	9.000	N	ON	19.1
4.938000	---	14.19	46.00	31.81	1000.0	9.000	N	ON	19.1
9.771000	21.08	---	60.00	38.92	1000.0	9.000	N	ON	19.4
10.639500	---	17.37	50.00	32.63	1000.0	9.000	N	ON	19.4
15.904500	23.68	---	60.00	36.32	1000.0	9.000	N	ON	19.4
15.963000	---	16.76	50.00	33.24	1000.0	9.000	N	ON	19.4

802.11n(HT20), Channel No.: 11

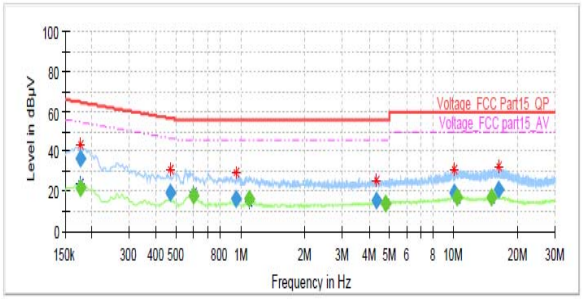
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.190500	36.86	---	64.02	27.15	1000.0	9.000	L1	ON	19.2
0.192750	---	22.73	53.92	31.18	1000.0	9.000	L1	ON	19.2
0.591000	---	25.75	46.00	20.25	1000.0	9.000	L1	ON	19.3
0.703500	25.35	---	56.00	30.65	1000.0	9.000	L1	ON	19.3
0.993750	27.25	---	56.00	28.75	1000.0	9.000	L1	ON	19.2
1.119750	---	17.20	46.00	28.80	1000.0	9.000	L1	ON	19.2
2.323500	21.40	---	56.00	34.60	1000.0	9.000	L1	ON	19.0
4.650000	---	16.78	46.00	29.22	1000.0	9.000	L1	ON	19.1
9.615750	30.42	---	60.00	29.58	1000.0	9.000	L1	ON	19.3
10.389750	---	21.87	50.00	28.13	1000.0	9.000	L1	ON	19.4
17.587500	39.32	---	60.00	20.68	1000.0	9.000	L1	ON	19.6
17.700000	---	25.89	50.00	24.11	1000.0	9.000	L1	ON	19.6

N Line

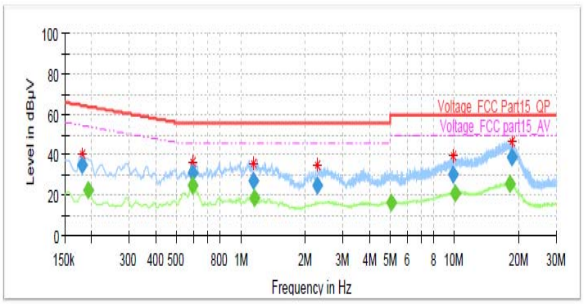


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.177000	---	21.61	54.63	33.01	1000.0	9.000	N	ON	19.2
0.177000	36.24	---	64.63	28.38	1000.0	9.000	N	ON	19.2
0.465000	19.19	---	56.60	37.41	1000.0	9.000	N	ON	19.2
0.600000	---	17.56	46.00	28.44	1000.0	9.000	N	ON	19.3
0.953250	16.52	---	56.00	39.48	1000.0	9.000	N	ON	19.2
1.090500	---	16.05	46.00	29.95	1000.0	9.000	N	ON	19.2
4.326000	15.56	---	56.00	40.44	1000.0	9.000	N	ON	19.1
4.769250	---	13.94	46.00	32.06	1000.0	9.000	N	ON	19.1
10.034250	19.18	---	60.00	40.82	1000.0	9.000	N	ON	19.4
10.428000	---	16.87	50.00	33.13	1000.0	9.000	N	ON	19.4
15.117000	---	16.84	50.00	33.16	1000.0	9.000	N	ON	19.5
16.269000	20.74	---	60.00	39.26	1000.0	9.000	N	ON	19.4

BLE, Channel No.: 0

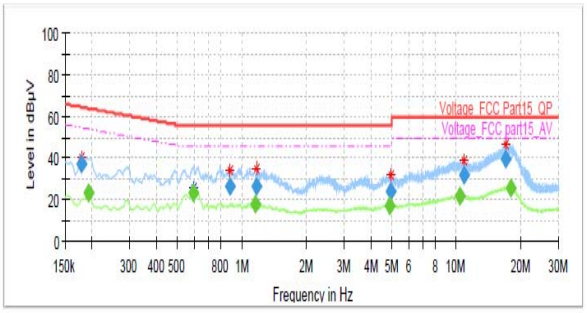
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.181500	34.84	---	64.42	29.58	1000.0	9.000	L1	ON	19.2
0.192750	---	22.82	53.92	31.09	1000.0	9.000	L1	ON	19.2
0.591000	---	25.02	46.00	20.98	1000.0	9.000	L1	ON	19.3
0.595500	31.04	---	56.00	24.96	1000.0	9.000	L1	ON	19.3
1.140000	27.45	---	56.00	28.55	1000.0	9.000	L1	ON	19.2
1.153500	---	18.75	46.00	27.25	1000.0	9.000	L1	ON	19.2
2.283000	24.63	---	56.00	31.37	1000.0	9.000	L1	ON	19.1
5.046000	---	16.39	50.00	33.61	1000.0	9.000	L1	ON	19.1
9.881250	30.04	---	60.00	29.96	1000.0	9.000	L1	ON	19.4
10.050000	---	21.23	50.00	28.77	1000.0	9.000	L1	ON	19.4
18.145500	---	25.82	50.00	24.18	1000.0	9.000	L1	ON	19.5
18.456000	38.94	---	60.00	21.06	1000.0	9.000	L1	ON	19.6

N Line

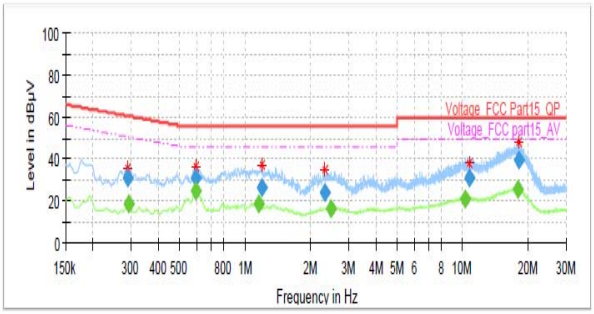


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.179250	36.84	---	64.52	27.68	1000.0	9.000	N	ON	19.2
0.192750	---	23.41	53.92	30.51	1000.0	9.000	N	ON	19.2
0.591000	---	23.20	46.00	22.80	1000.0	9.000	N	ON	19.3
0.876750	26.07	---	56.00	29.93	1000.0	9.000	N	ON	19.2
1.151250	---	17.89	46.00	28.11	1000.0	9.000	N	ON	19.2
1.169250	26.55	---	56.00	29.45	1000.0	9.000	N	ON	19.2
4.893000	---	16.96	46.00	29.04	1000.0	9.000	N	ON	19.1
4.944750	24.01	---	56.00	31.99	1000.0	9.000	N	ON	19.1
10.423500	---	22.09	50.00	27.91	1000.0	9.000	N	ON	19.4
10.819500	31.55	---	60.00	28.45	1000.0	9.000	N	ON	19.4
17.076750	39.32	---	60.00	20.68	1000.0	9.000	N	ON	19.5
17.965500	---	25.51	50.00	24.49	1000.0	9.000	N	ON	19.4

BLE, Channel No.: 19

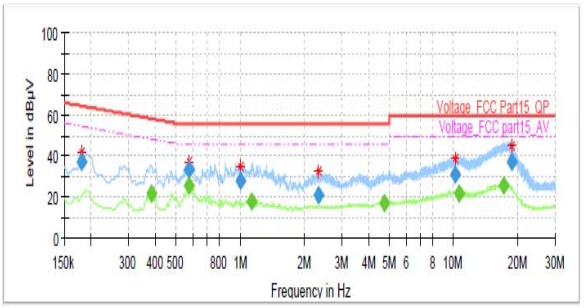
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.289500	31.10	---	60.54	29.44	1000.0	9.000	L1	ON	19.2
0.291750	---	18.45	50.47	32.03	1000.0	9.000	L1	ON	19.2
0.591000	---	25.08	46.00	20.92	1000.0	9.000	L1	ON	19.3
0.595500	31.11	---	56.00	24.89	1000.0	9.000	L1	ON	19.3
1.153500	---	18.81	46.00	27.19	1000.0	9.000	L1	ON	19.2
1.196250	26.27	---	56.00	29.73	1000.0	9.000	L1	ON	19.2
2.321250	24.15	---	56.00	31.85	1000.0	9.000	L1	ON	19.0
2.476500	---	16.42	46.00	29.58	1000.0	9.000	L1	ON	19.0
10.277250	---	21.30	50.00	28.70	1000.0	9.000	L1	ON	19.4
10.761000	30.70	---	60.00	29.30	1000.0	9.000	L1	ON	19.4
18.044250	---	25.75	50.00	24.25	1000.0	9.000	L1	ON	19.5
18.087000	39.33	---	60.00	20.67	1000.0	9.000	L1	ON	19.5

N Line

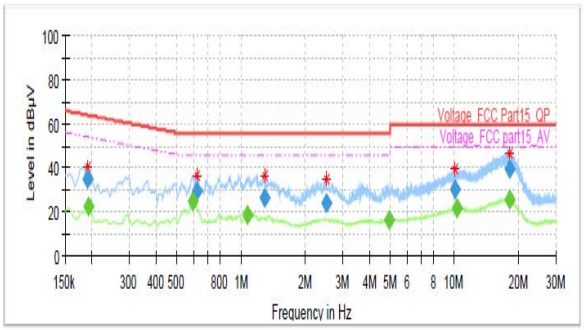


Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.181500	37.09	---	64.42	27.33	1000.0	9.000	N	ON	19.2
0.381750	---	21.88	48.24	26.36	1000.0	9.000	N	ON	19.2
0.573000	---	25.90	46.00	20.10	1000.0	9.000	N	ON	19.3
0.577500	32.98	---	56.00	23.02	1000.0	9.000	N	ON	19.3
1.000500	27.57	---	56.00	28.43	1000.0	9.000	N	ON	19.2
1.137750	---	17.68	46.00	28.32	1000.0	9.000	N	ON	19.2
2.339250	20.84	---	56.00	35.16	1000.0	9.000	N	ON	19.0
4.715250	---	16.80	46.00	29.20	1000.0	9.000	N	ON	19.1
10.137750	31.01	---	60.00	28.99	1000.0	9.000	N	ON	19.4
10.576500	---	21.98	50.00	28.02	1000.0	9.000	N	ON	19.4
17.247750	---	25.59	50.00	24.41	1000.0	9.000	N	ON	19.5
18.669750	37.50	---	60.00	22.50	1000.0	9.000	N	ON	19.4

BLE, Channel No.: 39

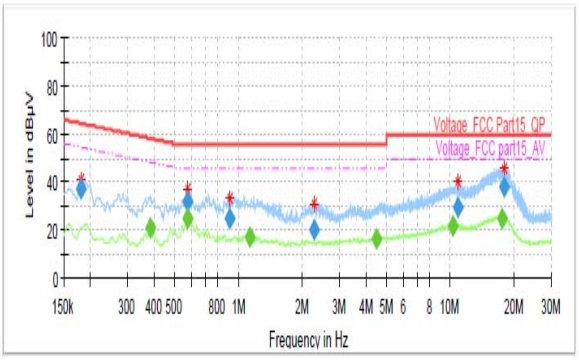
L Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.190500	34.94	---	64.02	29.07	1000.0	9.000	L1	ON	19.2
0.192750	---	22.75	53.92	31.17	1000.0	9.000	L1	ON	19.2
0.591000	---	25.07	46.00	20.93	1000.0	9.000	L1	ON	19.3
0.618000	29.19	---	56.00	26.81	1000.0	9.000	L1	ON	19.3
1.074750	---	18.71	46.00	27.29	1000.0	9.000	L1	ON	19.2
1.290750	26.53	---	56.00	29.47	1000.0	9.000	L1	ON	19.2
2.514750	24.23	---	56.00	31.77	1000.0	9.000	L1	ON	19.0
4.956000	---	16.38	46.00	29.62	1000.0	9.000	L1	ON	19.1
10.052250	30.20	---	60.00	29.80	1000.0	9.000	L1	ON	19.4
10.286250	---	21.41	50.00	28.59	1000.0	9.000	L1	ON	19.4
18.195000	39.37	---	60.00	20.63	1000.0	9.000	L1	ON	19.5
18.206250	---	25.51	50.00	24.49	1000.0	9.000	L1	ON	19.5

N Line



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.181500	36.90	---	64.42	27.52	1000.0	9.000	N	ON	19.2
0.381750	---	20.89	48.24	27.35	1000.0	9.000	N	ON	19.2
0.573000	---	24.44	46.00	21.56	1000.0	9.000	N	ON	19.3
0.575250	32.05	---	56.00	23.95	1000.0	9.000	N	ON	19.3
0.906000	24.42	---	56.00	31.58	1000.0	9.000	N	ON	19.2
1.137750	---	17.06	46.00	28.94	1000.0	9.000	N	ON	19.2
2.271750	20.14	---	56.00	35.86	1000.0	9.000	N	ON	19.1
4.463250	---	16.18	46.00	29.82	1000.0	9.000	N	ON	19.1
10.261500	---	21.61	50.00	28.39	1000.0	9.000	N	ON	19.4
10.873500	29.73	---	60.00	30.27	1000.0	9.000	N	ON	19.4
17.625750	---	24.68	50.00	25.32	1000.0	9.000	N	ON	19.5
17.868750	38.26	---	60.00	21.74	1000.0	9.000	N	ON	19.4

6. Main Test Instruments

Name	Type	Manufacturer	Serial Number	Calibration Date	Expiration Time
Spectrum Analyzer	FSV30	R&S	100815	2015-12-17	2016-12-16
EMI Test Receiver	ESCI	R&S	100948	2016-06-01	2017-05-31
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
Loop Antenna	FMZB1519	SCHWARZBECK	1519-047	2014-02-19	2017-02-18
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	N9010A	Agilent	MY47191109	2016-05-21	2017-05-20
MOB COMMS DC SUPPLY	66319D	Agilent	MY43004105	2016-05-21	2017-05-20
Peak Power Meter	U2021XA	Keysight	MY55240003	2016-06-26	2017-06-25
RF Cable	SMA 15cm	Agilent	0001	2016-10-16	2016-12-15

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

ANNEX A: EUT Appearance and Test Setup

A.1 EUT Appearance

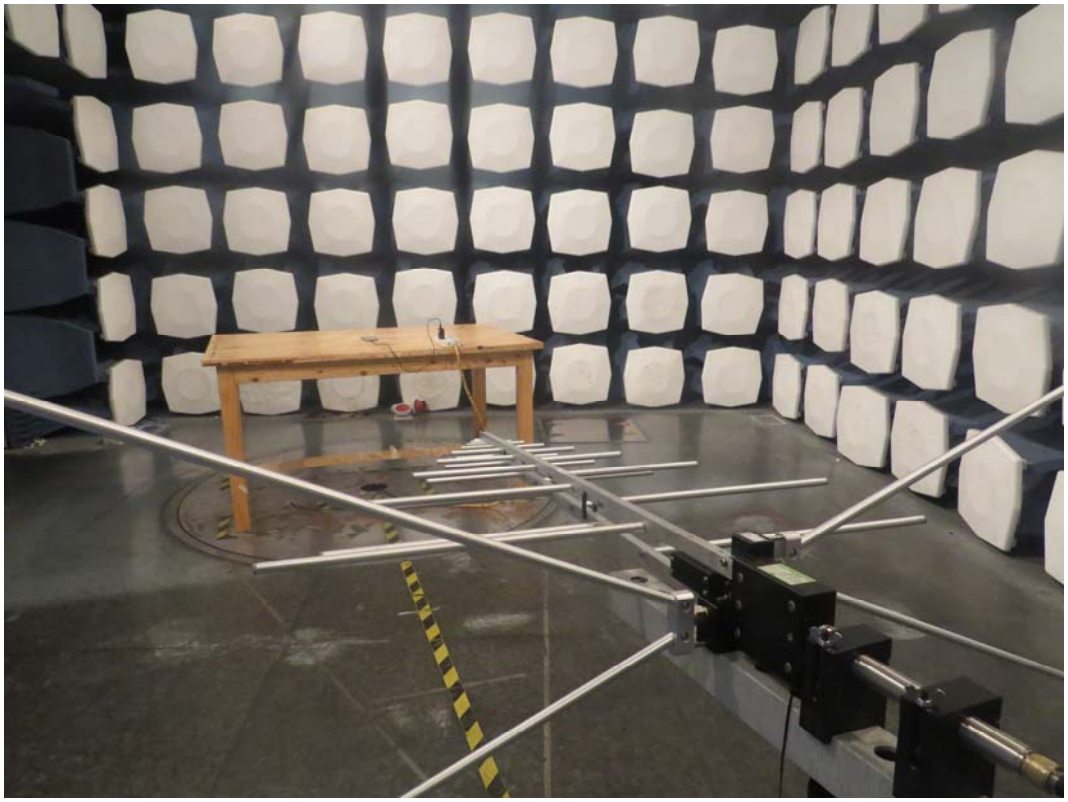
Front Side

Back Side

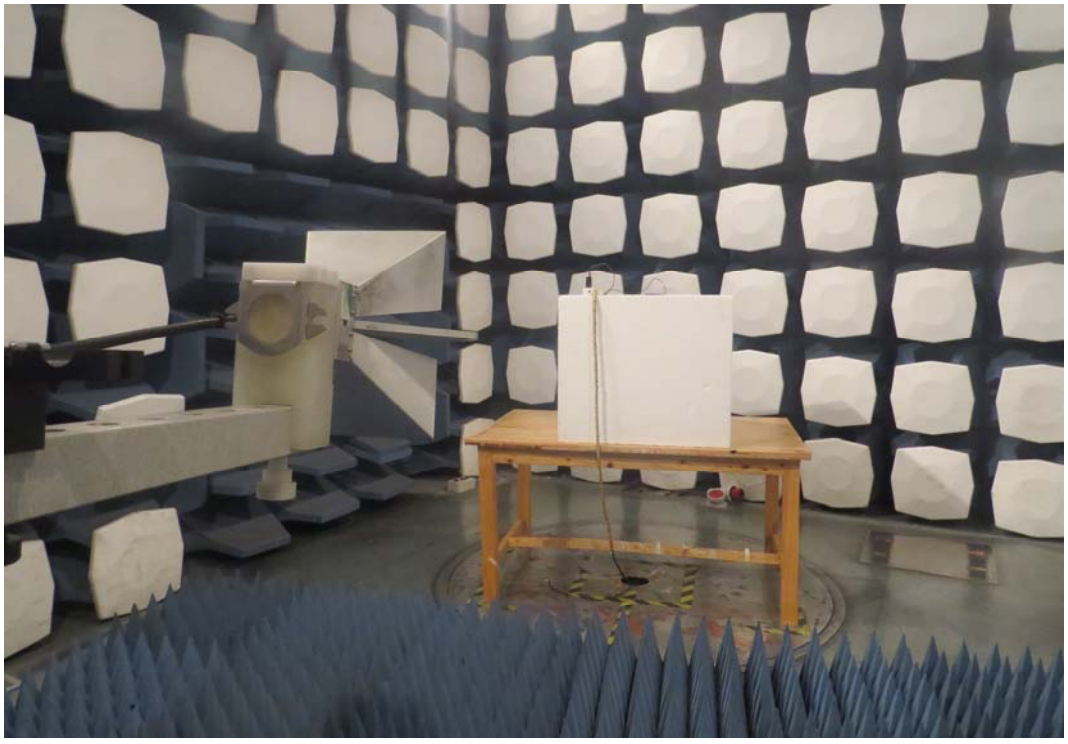
a: EUT

Picture 1 EUT and Accessory

A.2 Test Setup



Below 1GHz



Above 1GHz

Picture 2 Radiated Emission Test Setup

Picture 3 Conducted Emission Test Setup