



EUROFINS ELECTRICAL TESTING SERVICE (SHENZHEN) CO., LTD.

RADIO TEST - REPORT

FCC Compliance Test Report for

Product name: Air Purifie

Model name: CF-8126AS

FCC ID: 2AWVWCF8126AS

IC ID: 26287-CF8126AS

Test Report Number: EFGX20070051-IE-01-E01

Content

1	General Information	3
1.1	Notes	3
1.2	Testing laboratory	4
1.3	Details of applicant	4
1.4	Details of manufacturer	4
1.5	Application details	4
1.6	Test item	4
1.7	Test standards	6
2	Technical test	7
2.1	Summary of test results	7
2.2	Test environment	7
2.3	Measurement uncertainty	7
2.4	Test mode	7
2.5	Test equipment utilized	8
2.6	Auxiliary Equipment Used during Test	8
2.7	Test software information	8
2.8	Customized Configurations	8
2.9	Test Environments	9
2.10	Test results	10
3	Technical Requirement	11
3.1	Conducted Emission	11
3.2	Conducted Peak output power	14
3.3	6dB bandwidth	15
3.4	99% bandwidth	16
3.5	Frequency Stability	17
3.6	Power spectral density	18
3.7	Spurious RF conducted emissions	19
3.8	Band edge	20
3.9	Spurious radiated emissions for transmitter	21

1 General Information

1.1 Notes

The results of this test report relate exclusively to the item tested as specified in chapter "Description of test item" and are not transferable to any other test items.

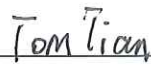
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Operator:

2020-08-07		Bruce Zheng / Project Engineer	
Date	Eurofins-Lab.	Name / Title	Signature

Technical responsibility for area of testing:

2020-08-07		Tom Tian / Supervisor	
Date	Eurofins-Lab.	Name / Title	Signature

1.2 Testing laboratory

Eurofins Electrical Testing Service (Shenzhen) Co., Ltd.

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The Laboratory has passed the Accreditation by the American Association for Laboratory Accreditation (A2LA). The Accreditation number is 5376.01

The Laboratory has been listed by industry Canada to perform electromagnetic emission measurements, The CAB identifier is CN0088

1.3 Details of applicant

Name : Airplove (Xiamen) Electronic Co., Ltd
Address : 3F-4F, No.823-1, Fangshan Dong Er Road,
Xiang'an District, Xiamen, Fujian, China
Telephone : +86 15005056461
Fax : N/A

1.4 Details of manufacturer

Name : Airplove (Xiamen) Electronic Co., Ltd
Address : 3F-4F, No.823-1, Fangshan Dong Er Road,
Xiang'an District, Xiamen, Fujian, China
Telephone : +86 15005056461
Fax : N/A

1.5 Application details

Date of receipt of application : July 03, 2020
Date of receipt of test item : July 03, 2020
Date of test : July 03, 2020 – July 23, 2020
Date of issue : August 08, 2020

1.6 Test item

Product type : Air Purifier
Model name : CF-8126AS
Brand : Airplove
Serial number : N/A
Ratings : AC 120V, 60Hz, 0.55A, 33W
Test voltage : AC 120V, 60Hz
FCC ID : 2AWVWCF8126AS
IC ID : 26287-CF8126AS
Additional information : N/A

RadioTechnical data

Frequency range : 802.11 b/g/n(HT20) : 2412MHz – 2462MHz
Radio Tech. : WLAN 2.4G
Frequency channel : 802.11 b/g/n(HT20) : 11
Modulation : DSSS, OFDM

Antenna type : PCB antenna
Antenna gain : 2.5dBi

Radio module

Type : WLAN 2.4G
Model : WBR1
Manufacturer : Tuya.Inc

1.7 Test standards

Test Standards	
FCC Part 15 Subpart C July 23, 2020 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators
RSS-247 Issue 2 February 2017	RSS-247 — Digital Transmission Systems (DTSS), Frequency Hop- ping Systems (FHSs) and Licence-Exempt Local Area Network (LE- LAN) Devices
RSS-GEN Issue 5 March 2019	RSS-Gen — General Requirements for Compliance of Radio Appa- ratus

Test Method

- 1: ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.
- 2: ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices.
- 3: KDB558074 D01 15.247 Meas Guidance v05r02

2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed.



or

The deviations as specified were ascertained in the course of the tests performed.



2.2 Test environment

Temperature : 20 ... 25°C
 Relative humidity content : 30 ... 60%
 Air pressure : 100 ... 101kPa

2.3 Measurement uncertainty

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO.

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty in conducted measurements	1.96dB
Uncertainty for Conducted RF test	RF Power Conducted: 1.16dB Frequency test involved: 1.05×10 ⁻⁷ or 1%
Uncertainty for Radiated Spurious Emission 25MHz-3000MHz	Horizontal: 4.46dB; Vertical: 4.54dB;
Uncertainty for Radiated Spurious Emission 3000MHz-18000MHz	Horizontal: 4.42dB; Vertical: 4.41dB;
Uncertainty for Radiated Spurious Emission 18000MHz-40000MHz	Horizontal: 4.63dB; Vertical: 4.62dB;

2.4 Test mode

The EUT is operating at 2.4GHz ISM; it supports 802.11b, 802.11g, 802.11n(HT20) and they are all tested in this report.

For 802.11b/g/n(HT20) (2.4GHz band), the lowest, middle, highest channel numbers of the EUT used and tested in this report are separately 1 (2412MHz), 6 (2437MHz) and 11 (2462MHz).

2.5 Test equipment utilized

EQUIPMENT ID	EQUIPMENT NAME	MODEL NO.	CAL. DUE DATE
23-2-13-05	EMI Test Receiver	ESR3	2021-04-24
23-2-13-06	LISN	NNLK 8127 RC	2021-04-23
23-2-10-16	Attenuator	VTSD 9561-F	2021-04-24
23-2-13-12	Signal Analyzer	N9010B-544	2021-04-24
23-2-13-13	BT/WLAN Tester	CMW270	2021-04-23
23-2-13-14	Signal Generator	N5183B-520	2021-04-23
23-2-13-15	Vector Signal Generator	N5182B-506	2021-04-23
23-2-10-43	Switch and Control Unit	ERIT-E-JS0806-2	2021-06-17
23-2-10-44	DC power supply	E3642A	2021-06-03
23-2-10-45	temperature test chamber	SG-80-CC-2	2021-04-23
23-2-13-01	EMI Test Receiver	ESR7	2021-04-24
23-2-13-02	Signal Analyzer	N9020B-544	2021-04-24
23-2-12-01	Active Loop Antenna	FMZB 1519B	2021-05-13
23-2-12-02	TRILOG Broadband Antenna	VULB9168	2021-04-27
23-2-12-03	Horn Antenna	3117	2021-05-11
23-2-12-04	Horn Antenna	BBHA 9170	2021-05-11
23-2-12-05	Universal Antenna Stand	CLSA0110	2021-05-11
23-2-10-01	Preamplifier	BBV9745	2021-04-23
23-2-10-02	Preamplifier	TAP01018048	2021-04-24
23-2-10-03	Preamplifier	TAP18040048	2021-04-24
23-2-10-14	Switch and Control Unit	ERIT-E-JS0806-SF1	N/A

2.6 Auxiliary Equipment Used during Test

DESCRIPTION	MANUFACTURER	MODEL NO.	S/N
Laptop	LENOVO	TP00096A	PF-1QH0LV

2.7 Test software information

Test Software Version	MP_tool 1V3		
Mode	Setting TX Power	TX Pattern	Modulation Type
802.11b	60	TX Continuous	DBPSK
802.11g	55	TX Continuous	BPSK
802.11n HT20	55	TX Continuous	BPSK

2.8 Customized Configurations

EUT Conf.	Signal Description	Operating Frequency	Duty Cycle
TM1	802.11b(DBPSK)	2412 MHz – 2462MHz	100%
TM1	802.11g(BPSK)	2412 MHz – 2462MHz	100%
TM1	802.11n HT20(BPSK)	2412 MHz – 2462MHz	100%

2.9 Test Environments

Enviroment Parameter	Temperature	Voltage	Relative Humidity
100.9Kpa	23.6	3.3Vdc	63.0%

2.10 Test results

☒ 1st test

☐ test after modification

☐ production test

Technical Requirements					
FCC Part 15 Subpart C/RSS-247 Issue 2/RSS-Gen Issue 5					
Test Condition			Test Result	Verdict	Test Site
§15.207	RSS-GEN 8.8	Conducted emission AC power port	Page 11	Pass	Site 1
§15.247(b)(1)	RSS-247 Clause 5.4(b)	Conducted output power for FHSS	--	N/A	--
§15.247(b)(3)	RSS-247 Clause 5.4(d)	Conducted output power for DTS	Appendix D	Pass	Site 1
§15.247(e)	RSS-247 Clause 5.2(b)	Power spectral density	Appendix E	Pass	Site 1
§15.247(a)(2)	RSS-247 Clause 5.2(a)	6dB bandwidth	Appendix B	Pass	Site 1
§15.247(a)(1)	RSS-247 Clause 5.1(a)	20dB Occupied bandwidth	--	N/A	--
--	RSS-GEN 6.7	99% Occupied Bandwidth	Appendix C	Pass	Site 1
§15.247(a)(1)	RSS-247 Clause 5.1(b)	Carrier frequency separation	--	N/A	--
§15.247(a)(1)(i ii)	RSS-247 Clause 5.1(d)	Number of hopping frequencies	--	N/A	--
§15.247(a)(1)(i ii)	RSS-247 Clause 5.1(d)	Dwell Time	--	N/A	--
§15.247(d) §15.205	RSS-247 Clause 5.5 RSS-GEN 8.10	Spurious RF conducted emissions	Appendix G Appendix H	Pass	Site 1
§15.247(d)	RSS-247 Clause 5.5	Band edge	Appendix F	Pass	Site 1
§15.247(d) & §15.209 & §15.205	RSS-247 Clause 5.5 & RSS-GEN 6.13 RSS-GEN 8.9 RSS-GEN 8.10	Spurious radiated emissions for transmitter	See page 22	Pass	Site 1
	RSS-GEN Clause 6.11	Transmitter frequency stability	Appendix I	Pass	Site 1
§15.203	RSS-GEN 6.8	Antenna requirement	See note 1	Pass	--

Remark 1: N/A – Not Applicable.

Note 1: The EUT uses an PCB antenna, the gain: 2.5dBi. According to §15.203, it is considered sufficiently to comply with the provisions of this section.

3 Technical Requirement

3.1 Conducted Emission

Test Method:

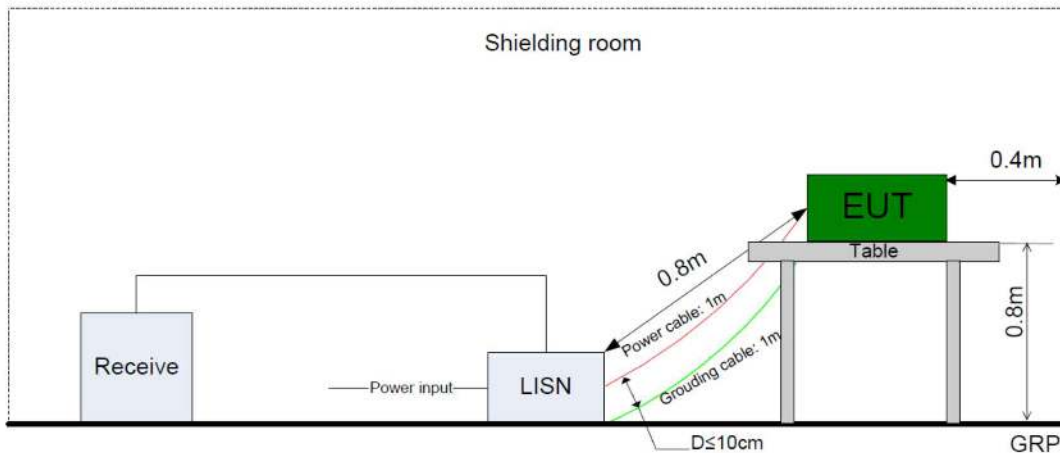
The test method was referred to the subclause 5.2 of ANSI C63.4-2014.

1. The EUT was placed on a table, which is 0.8m above ground plane
2. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
3. Maximum procedure was performed to ensure EUT compliance
4. A EMI test receiver is used to test the emissions from both sides of AC line

Test Setup:

The mains cable of the EUT (per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.

Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.1 m.



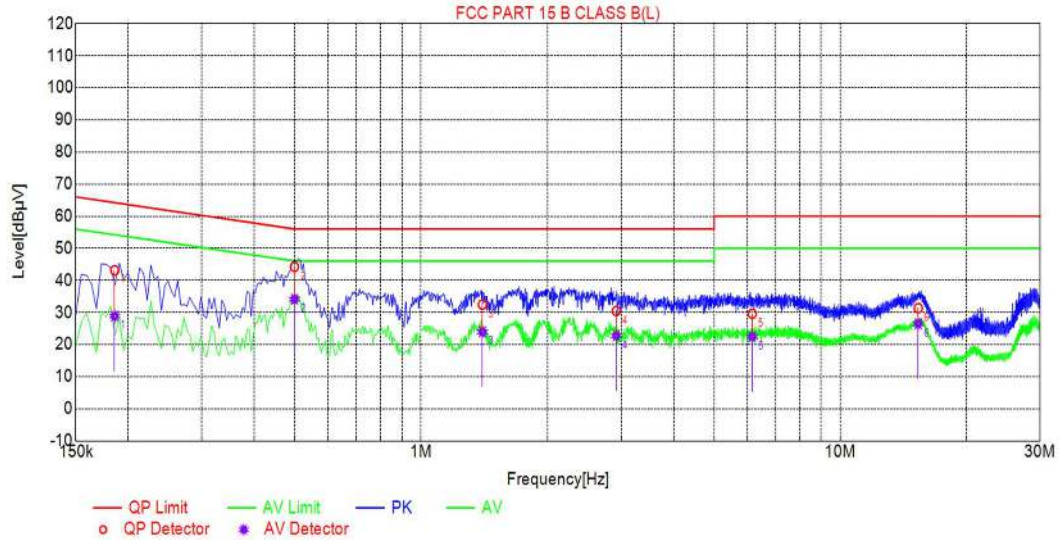
Limit:

Frequency MHz	QP Limit dB μ V	AV Limit dB μ V
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

Decreasing linear.

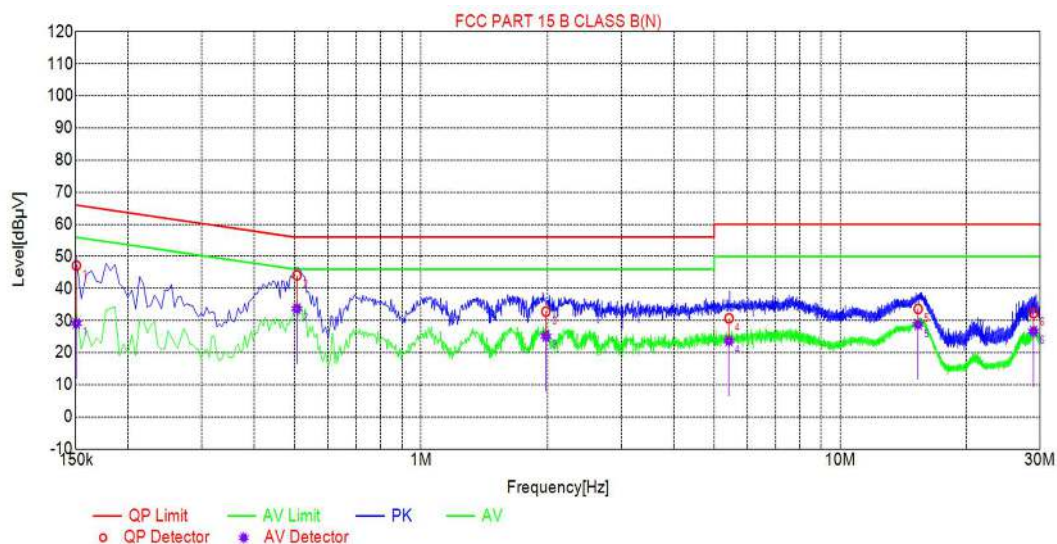
Test Result:

WIFI TX: L



Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
0.1857	10.22	43.17	64.22	21.05	28.87	54.22	25.35	PASS
0.4985	10.23	44.24	56.02	11.78	34.14	46.02	11.88	PASS
1.4001	10.23	32.48	56.00	23.52	23.97	46.00	22.03	PASS
2.9212	10.27	30.48	56.00	25.52	22.75	46.00	23.25	PASS
6.1636	10.32	29.61	60.00	30.39	22.47	50.00	27.53	PASS
15.3504	10.51	31.37	60.00	28.63	26.48	50.00	23.52	PASS

WIFI TX: N



Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
0.1504	10.22	47.15	65.98	18.83	29.14	55.98	26.84	PASS
0.5051	10.22	44.11	56.00	11.89	33.72	46.00	12.28	PASS
1.9845	10.25	32.80	56.00	23.20	25.12	46.00	20.88	PASS
5.4267	10.30	30.72	60.00	29.28	23.70	50.00	26.30	PASS
15.3409	10.54	33.64	60.00	26.36	28.80	50.00	21.20	PASS
28.9153	10.65	32.32	60.00	27.68	26.67	50.00	23.33	PASS

3.2 Conducted Peak output power

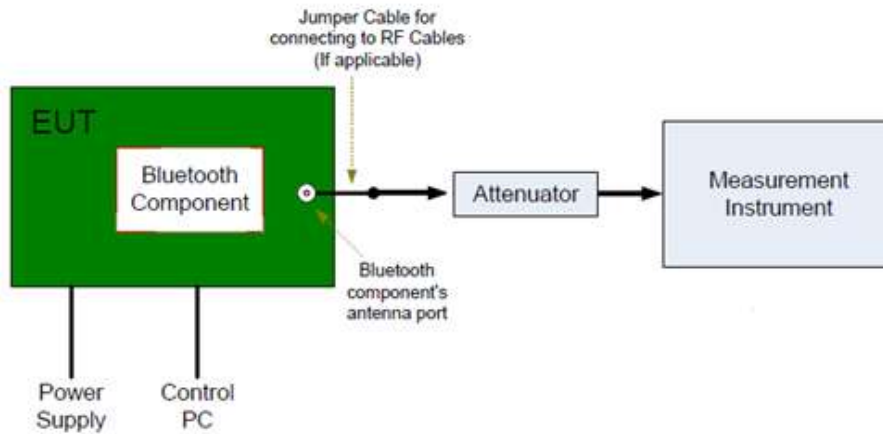
Test Method

The test method was referred to the subclause 11.9.1.1 of ANSI C63.10-2013.

1. Connect EUT test port to spectrum analyzer.
2. Set the EUT to transmit maximum output power at 2.4GHz.
3. Then set the EUT to transmit at high, middle and low frequency and measure the conducted output power separately.
4. RBW=2MHz, VBW $\geq$ 3RBW, Sweep = auto, Detector function = peak, Trace = max hold
5. Repeat above procedures until all frequencies measured were complete.

Test Setup:

The Bluetooth component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



Limits:

According to §15.247 (b) (3), RSS-247 5.4 (d), conducted output power limit as below:

Conducted Power Limit

	Frequency Range MHz	Limit W	Limit dBm
E.I.R.P Limit	2400-2483.5	≤ 1	≤ 30
	Frequency Range MHz	Limit W	Limit dBm
	2400-2483.5	≤ 4	≤ 36

Test Result: Pass

3.3 6dB bandwidth

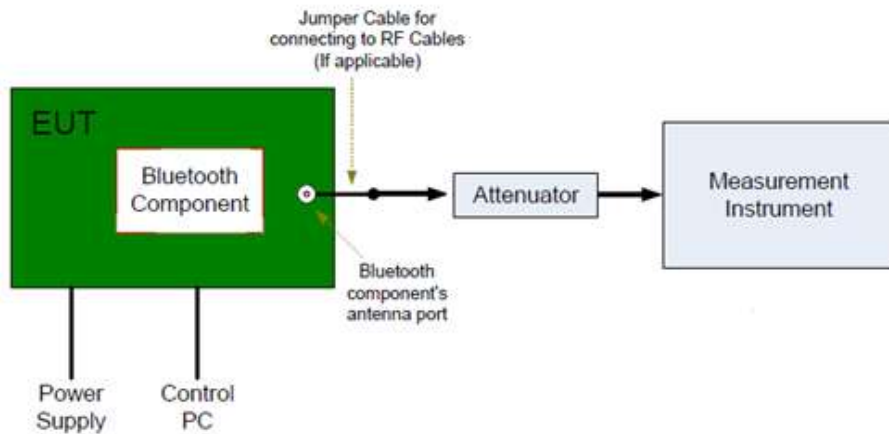
Test Method:

The test method was referred to the subclause 11.8 of ANSI C63.10-2013.

1. Connect EUT test port to spectrum analyzer.
2. Set the EUT to transmit maximum output power at 2.4GHz.
3. Then set the EUT to transmit at high, middle and low frequency and measure the conducted output power separately.
4. RBW=100K, VBW $\geq$ 3RBW, Sweep = auto, Detector function = peak, Trace = max hold
5. Use the automatic bandwidth measurement capability of an instrument, may be employed using the X dB bandwidth mode with X set to 6 dB, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be $\geq$ 6 dB.
6. Allow the trace to stabilize, record the X dB Bandwidth value.

Test Setup:

The Bluetooth component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



Limit:

According to §15.247(a)(2), RSS-247 5.2 (a) 6dB bandwidth limit as below:

Limit [kHz]

≥ 500

Test Result: Pass

3.4 99% bandwidth

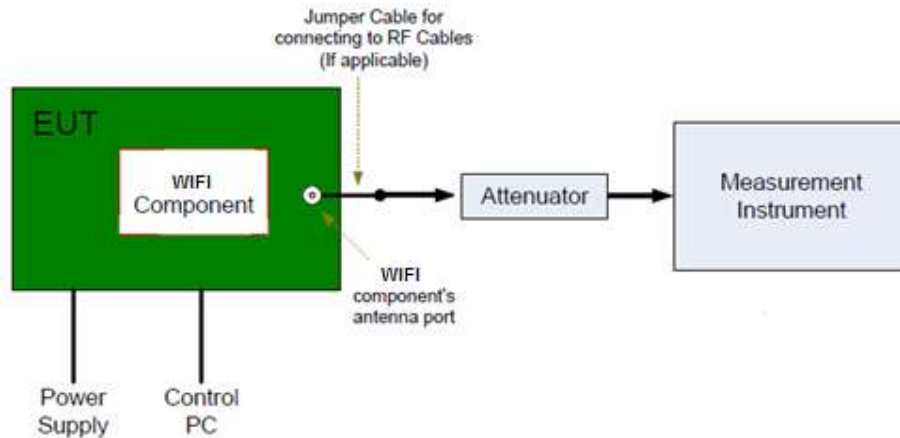
Test Method:

The test method was referred to the subclause 11.8 of ANSI C63.10-2013.

1. Connect EUT test port to spectrum analyzer.
2. Set the EUT to transmit maximum output power at 2.4GHz.
3. Then set the EUT to transmit at high, middle and low frequency separately.
4. Set Span = approximately 1.5 to 5 times the 99% bandwidth.
5. Set RBW $\geq$ 1% to 5% of the 99% bandwidth, VBW $\geq$ RBW.
6. Set Sweep = auto.
7. Set Detector function = peak.
8. Allow the trace to stabilize.
9. Repeat above procedures until all frequencies measured were complete.

Test Setup:

The WIFI component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



Limit:

According to RSS-GEN 6.7, no limit for 99% bandwidth:

Limit [kHz]

--

Test Result: Pass

3.5 Frequency Stability

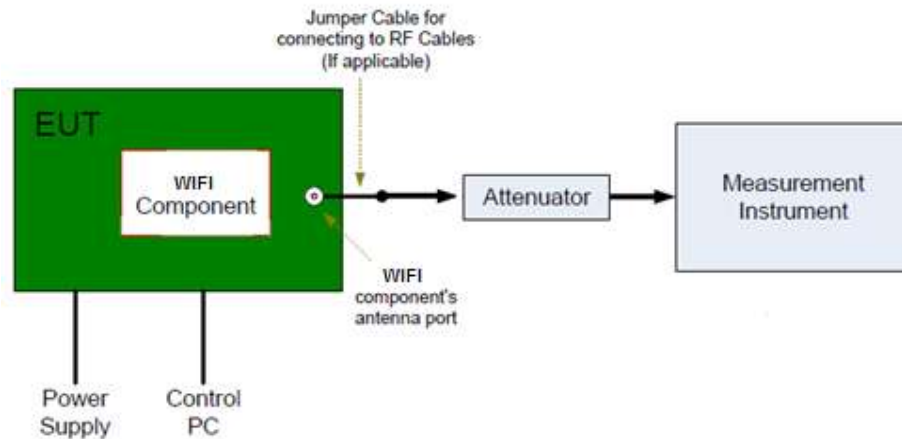
Test Method:

The test method was referred to the subclause 6.8.2 of ANSI C63.10-2013.

1. Connect EUT test port to spectrum analyzer.
2. Set the EUT to transmit maximum output power at 2.4GHz.
3. Then set the EUT to transmit at high, middle and low frequency and measure the conducted output power separately.
4. RBW=100K, VBW $\geq$ 3RBW, Sweep = auto, Detector function = peak, Trace = max hold
5. Allow the trace to stabilize, record the frequency value.

Test Setup:

The WIFI component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



Limit:

According to RSS-GEN 8.11 limit as below:

the fundamental emissions of the radio apparatus should be kept within at least the central 80% of its permitted operating frequency band in order to minimize the possibility of out-of-band operation.

Test Result: Pass

3.6 Power spectral density

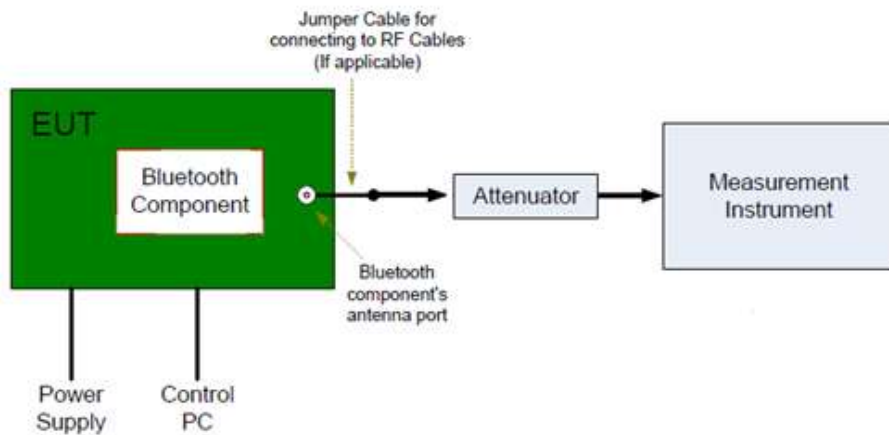
Test Method:

The test method was referred to the subclause 11.10 of ANSI C63.10-2013.

1. Connect EUT test port to spectrum analyzer.
2. Set the EUT to transmit maximum output power at 2.4GHz.
3. Then set the EUT to transmit at high, middle and low frequency separately.
4. Set analyzer center frequency to DTS channel center frequency.
5. Set the span to 1.5DTS bandwidth, set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$, set the VBW $\geq 3\text{RBW}$.
6. Detector = peak.
7. Sweep time = auto couple.
8. Trace mode = max hold.
9. Allow trace to fully stabilize.
10. Use the peak marker function to determine the maximum amplitude level within the RBW.
11. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

Test Setup:

The Bluetooth component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



Limit:

According to §15.247(e), Power spectral density limit as below:

Limit [dBm]

≤ 8

Test Result: Pass

3.7 Spurious RF conducted emissions

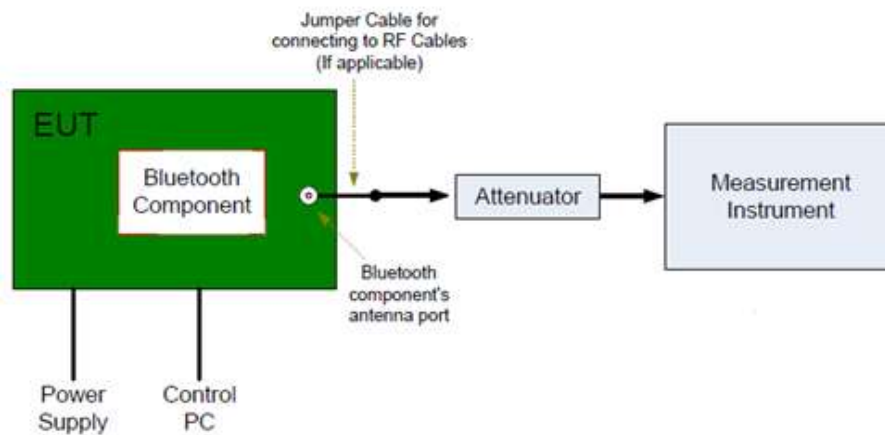
Test Method:

The test method was referred to the subclause 11.11/11.12 of ANSI C63.10-2013.

1. Connect EUT test port to spectrum analyzer.
2. Set the EUT to transmit maximum output power at 2.4GHz.
3. Then set the EUT to transmit at high, middle and low frequency separately.
4. Set Span = wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products which fall outside of the authorized band of operation.
5. Set RBW = 100 kHz, VBW $\geq$ RBW.
6. Set Sweep = auto.
7. Set Detector function = peak.
8. Allow the trace to stabilize.
9. Repeat above procedures until all frequencies measured were complete.

Test Setup:

The Bluetooth component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



Limit:

According to §15.247(d) & §15.209 & §15.205 Spurious RF conducted emissions limit as below:

Frequency Range MHz	L edimit (dBc)
30-25000	-20

Test Result: Pass

3.8 Band edge

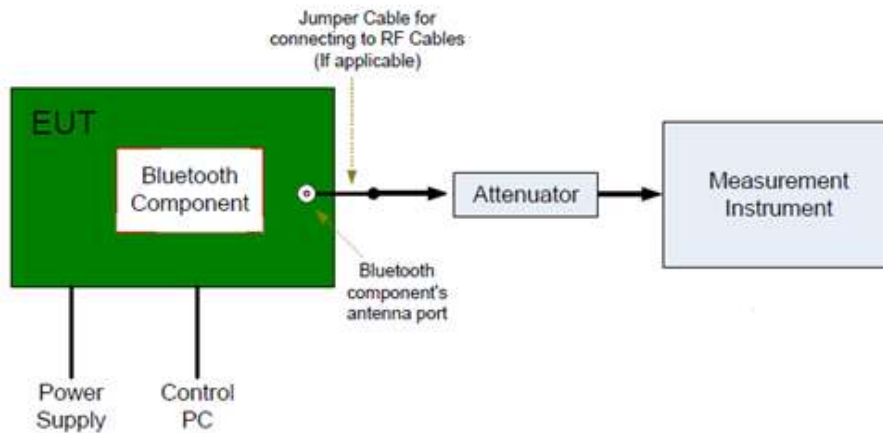
Test Method:

The test method was referred to the subclause 11.13.3.4 of ANSI C63.10-2013.

1. Connect EUT test port to spectrum analyzer.
2. Set the EUT to transmit maximum output power at 2.4GHz.
3. Then set the EUT to transmit at high, middle and low frequency separately.
4. Set Span = wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products which fall outside of the authorized band of operation.
5. Set RBW $\geq$ 1% of the span, VBW $\geq$ RBW.
6. Set Sweep = auto.
7. Set Detector function = peak.
8. Allow the trace to stabilize.
9. Repeat above procedures until all frequencies measured were complete.

Test Setup:

The Bluetooth component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



Limit:

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced 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 that the transmitter demonstrates compliance with the peak conducted power limits.

Test Result: Pass

3.9 Spurious radiated emissions for transmitter

Test Method:

The test method was referred to the subclause 11.11/11.12 of ANSI C63.10-2013.

- 1: The EUT was placed on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2: The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.
- 3: The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 4: For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 5: Use the following spectrum analyzer settings According to C63.10:

For Above 1GHz

Span = wide enough to capture the peak level of the in-band emission and all spurious
RBW = 1MHz, VBW ≥ RBW for peak measurement and VBW = 10Hz for average measurement, Sweep = auto, Detector function = peak, Trace = max hold.

For Below 1GHz

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious
RBW = 100 KHz, VBW ≥ RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

For Below 30MHz

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious
RBW = 200 Hz, VBW ≥ RBW from 9KHz to 0.15MHz, RBW 9KHz VBW ≥ RBW from 0.15MHz to 30MHz for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

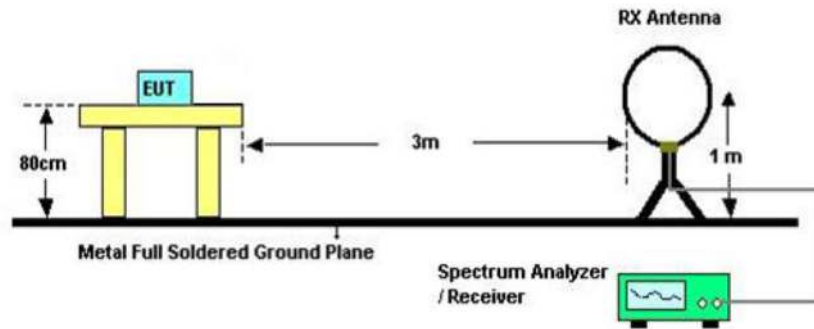
Note:

- 1: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Quasi-peak detection (QP) at frequency below 1GHz.
- 2: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for peak detection (PK) at frequency above 1GHz.
- 3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average ((duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor ($20\log(1/\text{duty cycle})$).
- 4: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
- 5: When duty cycle < 98%, The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\text{VBW} \geq 1/T$, the T is transmission duration (T).

Test Setup:

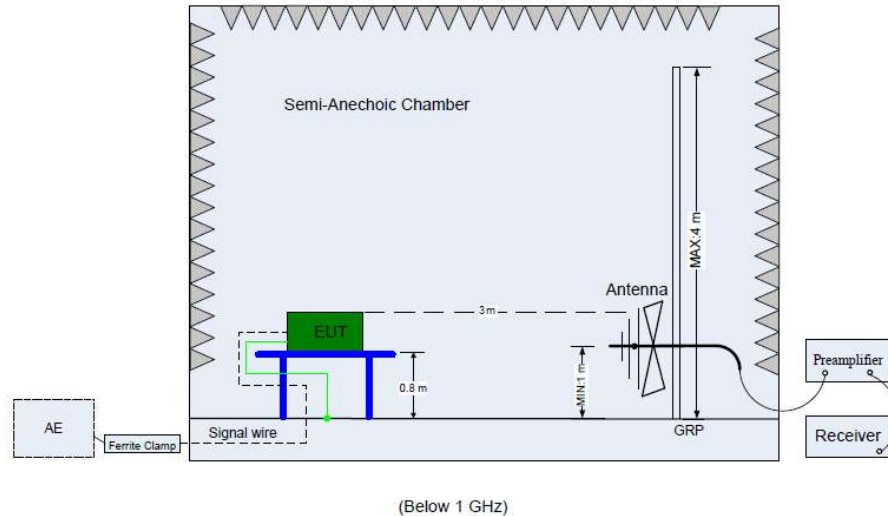
Test Setup 1: Radiated Emission test below 30MHz

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.4. The test distance is 3m. The setup is according to ANSI C63.4.



Test Setup 2: Radiated Emission test below 1GHz

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.4. The test distance is 3m. The setup is according to ANSI C63.4.



§15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
*0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

RSS-GEN 8.10

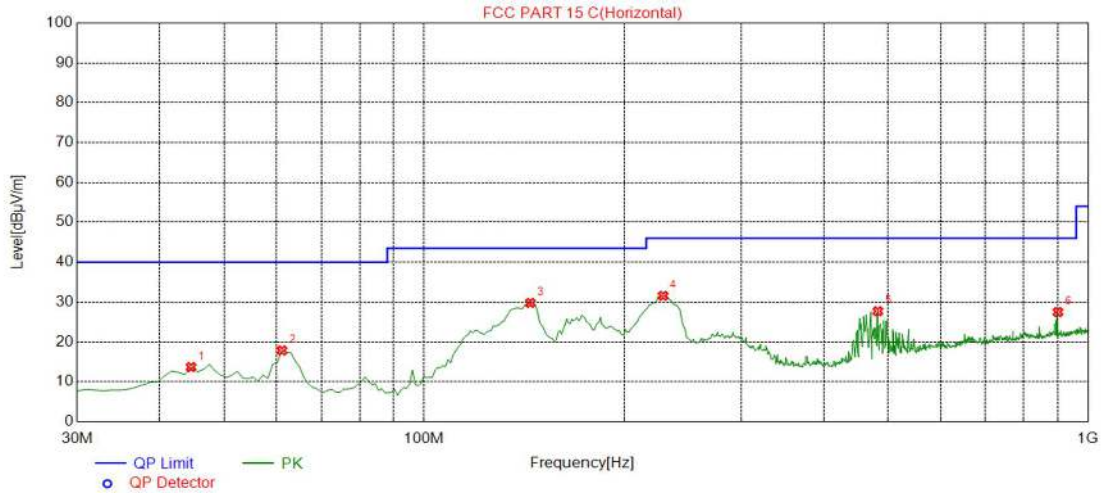
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	1660 - 1710	9.0 - 9.2
0.495 - 0.505	16.69475 - 16.69525	1718.8 - 1722.2	9.3 - 9.5
2.1735 - 2.1905	25.5 - 25.67	2200 - 2300	10.6 - 12.7
3.020 - 3.026	37.5 - 38.25	2310 - 2390	13.25 - 13.4
4.125 - 4.128	73 - 74.6	2483.5 - 2500	14.47 - 14.5
4.17725 - 4.17775	74.8 - 75.2	2655 - 2900	15.35 - 16.2
.20725 - 4.20775	108 - 138	3260 - 3267	17.7 - 21.4
5.677 - 5.683	149.9 - 150.05	3332 - 3339	22.01 - 23.12
6.215 - 6.218	156.52475 - 156.52525	3345.8 - 3358	23.6 - 24.0
6.26775 - 6.26825	156.7 - 156.9	3500 - 4400	31.2 - 31.8
6.31175 - 6.31225	162.0125 - 167.17	4500 - 5150	36.43 - 36.5
8.291 - 8.294	167.72 - 173.2	5350 - 5460	Above 38.6
8.362 - 8.366	240 - 285	7250 - 7750	
8.37625 - 8.38675	322 - 335.4	8025 - 8500	
8.41425 - 8.41475	399.9 - 410		
12.29 - 12.293	608 - 614		
12.51975 - 12.52025	960 - 1427		
12.57675 - 12.57725	1435 - 1626.5		
13.36 - 13.41	1645.5 - 1646.5		

Test Result: Pass

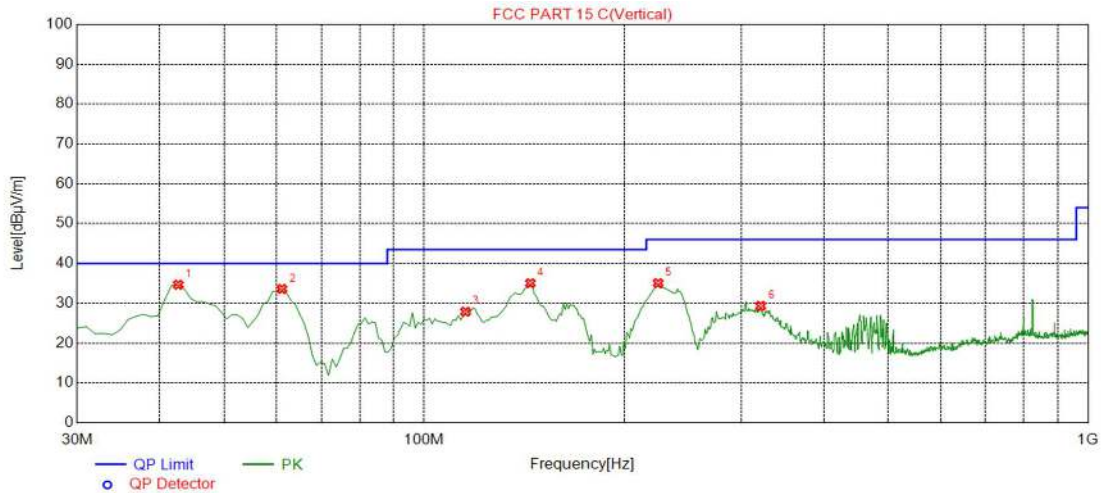
Spurious radiated emissions (Radiated)

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

802.11b - 2412MHz Test Result



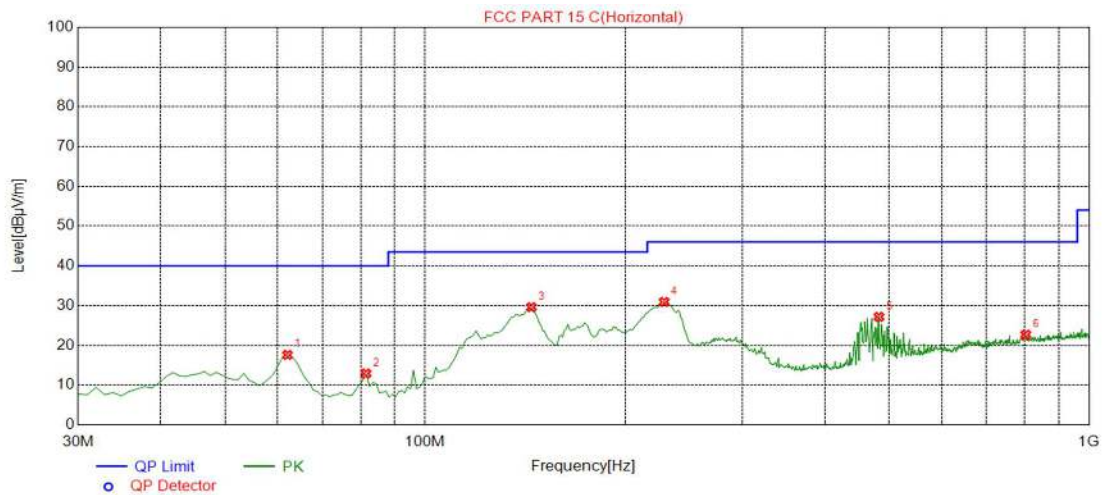
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
44.5646	13.69	-16.27	40.00	26.31	100	309	Horizontal
61.0711	17.86	-16.74	40.00	22.14	100	354	Horizontal
144.5746	29.79	-15.20	43.50	13.71	100	299	Horizontal
229.0490	31.57	-17.69	46.00	14.43	100	147	Horizontal
482.4725	27.70	-12.04	46.00	18.30	100	193	Horizontal
900.9610	27.50	-5.83	46.00	18.50	100	354	Horizontal



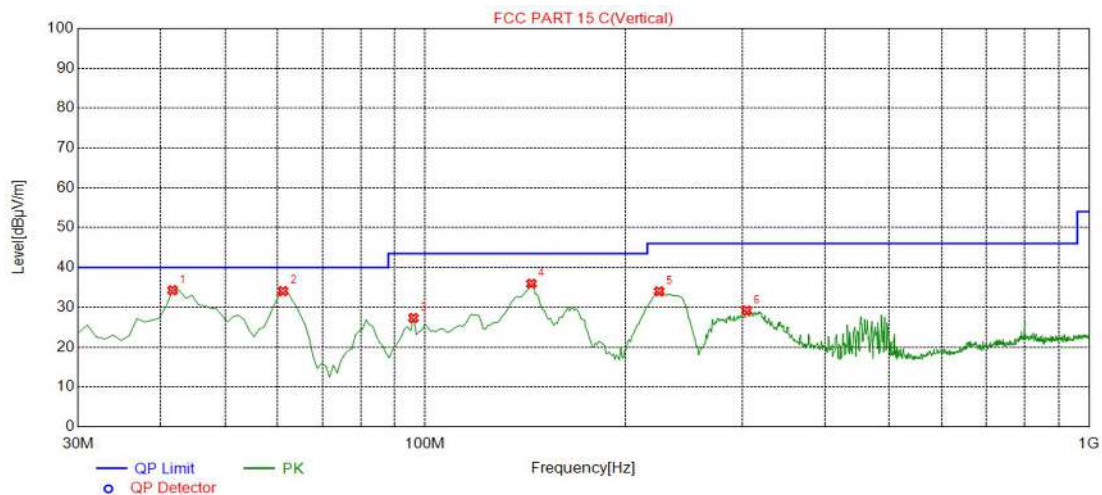
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
42.6226	34.66	-16.31	40.00	5.34	100	332	Vertical
61.0711	33.60	-16.74	40.00	6.40	100	223	Vertical
115.4454	27.90	-18.75	43.50	15.60	100	332	Vertical
144.5746	35.05	-15.20	43.50	8.45	100	66	Vertical
225.1652	35.07	-17.79	46.00	10.93	100	191	Vertical
321.2913	29.35	-15.10	46.00	16.65	100	19	Vertical

Frequency Band	Frequency	Emission Level	Polarization	Limit	Detector	Margin	Corr.	Result
	MHz	dBuV/m		dBμV/m		dB	(dB)	
1000-25000MHz	17819.9100	59.91	Horizontal	74.00	PK	14.09	-0.49	Pass
	17977.4887	48.13	Horizontal	54.00	AV	5.87	-0.40	Pass
	17977.4887	58.58	Vertical	74.00	PK	15.42	-0.40	Pass
	16724.3622	46.42	Vertical	54.00	AV	7.58	-0.12	Pass

802.11b - 2437MHz Test Result



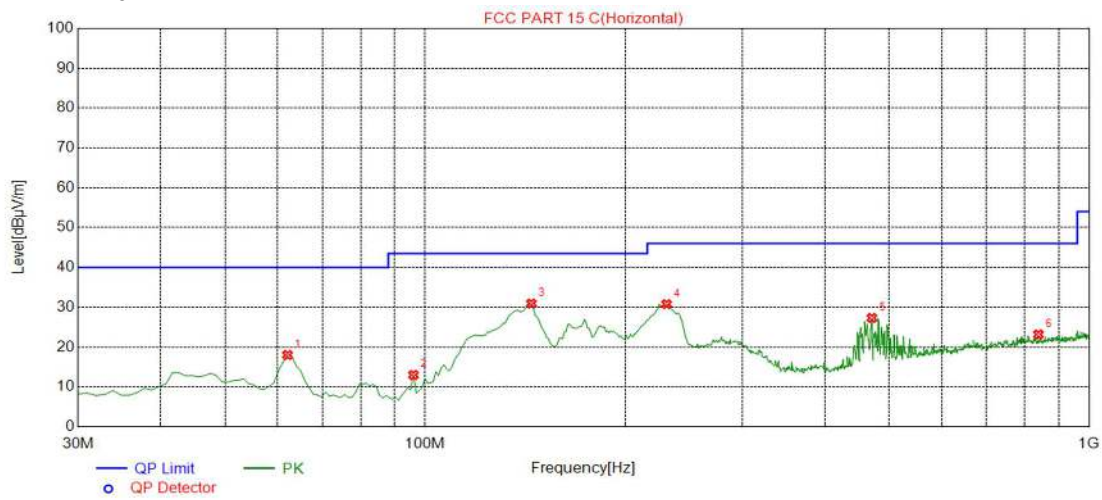
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
62.0420	17.62	-16.99	40.00	22.38	100	306	Horizontal
81.4615	12.93	-19.76	40.00	27.07	100	118	Horizontal
144.5746	29.61	-15.20	43.50	13.89	100	283	Horizontal
229.0490	30.93	-17.69	46.00	15.07	100	136	Horizontal
482.4725	27.17	-12.04	46.00	18.83	100	191	Horizontal
802.8929	22.68	-6.66	46.00	23.32	100	306	Horizontal



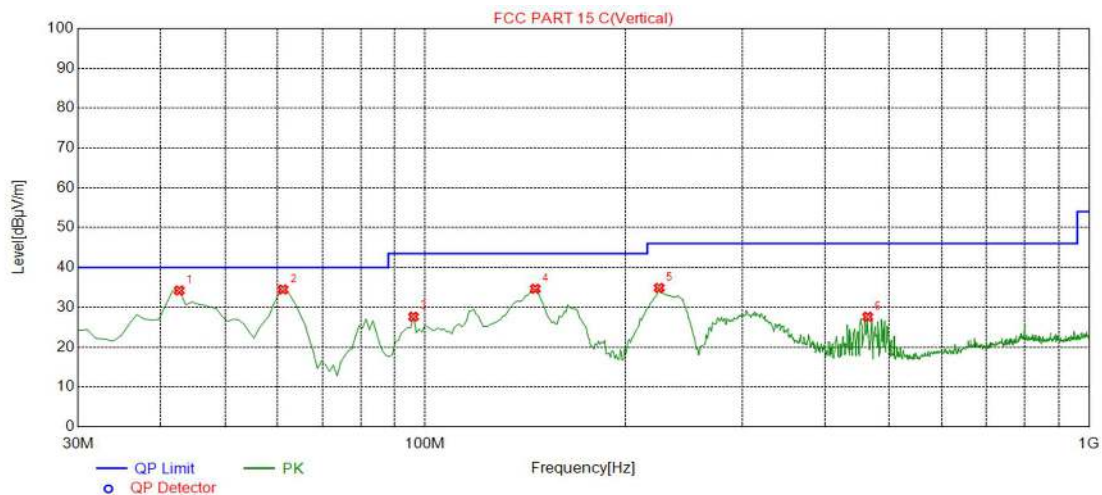
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
41.6517	34.28	-16.34	40.00	5.72	100	360	Vertical
61.0711	34.07	-16.74	40.00	5.93	100	264	Vertical
96.0260	27.33	-20.92	43.50	16.17	100	28	Vertical
144.5746	35.94	-15.20	43.50	7.56	100	76	Vertical
225.1652	34.01	-17.79	46.00	11.99	100	232	Vertical
304.7848	29.19	-15.28	46.00	16.81	100	278	Vertical

Frequency Band	Frequency	Emission Level	Polarization	Limit	Detector	Margin	Corr.	Result
	MHz	dBuV/m		dBμV/m		dB	(dB)	
1000-25000MHz	17917.4587	60.23	H	74.00	PK	13.77	-0.73	Pass
	17954.9775	47.53	H	54.00	AV	6.47	-0.40	Pass
	17969.9850	59.92	V	74.00	PK	14.08	-0.4	Pass
	17992.4962	47.73	V	54.00	AV	6.27	-0.4	Pass

802.11b - 2462MHz Test Result



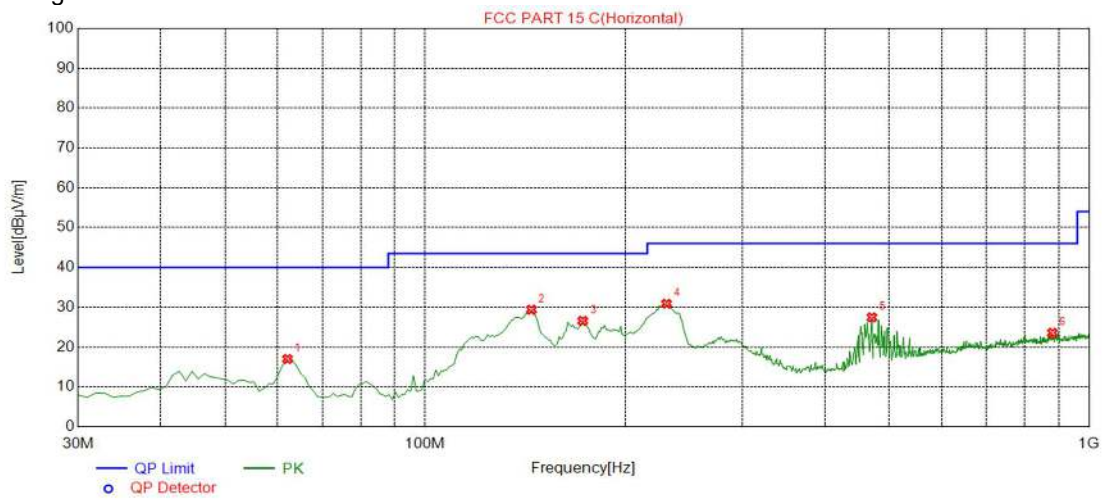
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
62.0420	18.03	-16.99	40.00	21.97	100	304	Horizontal
96.0260	13.02	-20.92	43.50	30.48	100	146	Horizontal
144.5746	30.94	-15.20	43.50	12.56	100	299	Horizontal
230.9910	30.79	-17.65	46.00	15.21	100	137	Horizontal
470.8208	27.32	-12.32	46.00	18.68	100	178	Horizontal
838.8188	23.18	-6.46	46.00	22.82	100	267	Horizontal



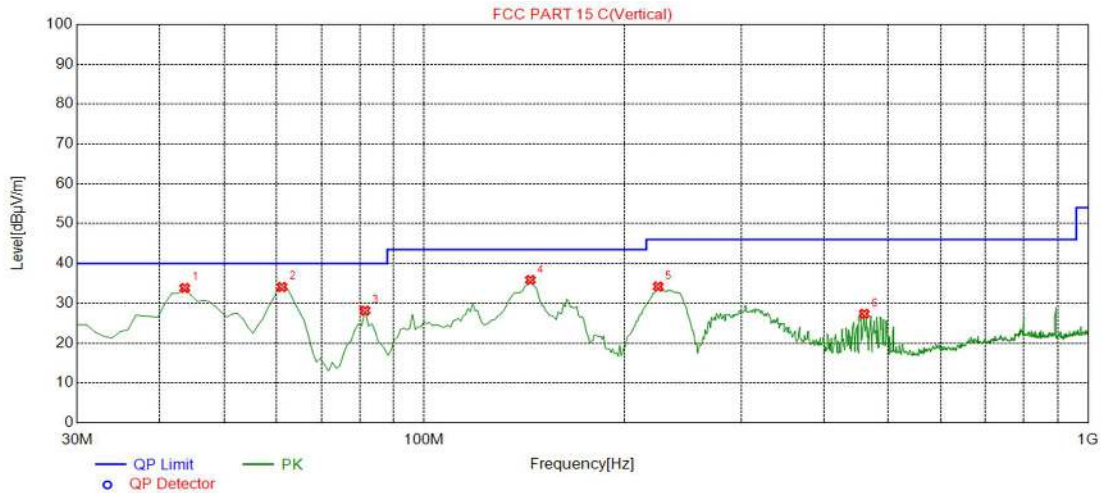
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
42.6226	34.22	-16.31	40.00	5.78	100	313	Vertical
61.0711	34.48	-16.74	40.00	5.52	100	257	Vertical
96.0260	27.66	-20.92	43.50	15.84	100	0	Vertical
146.5165	34.64	-15.07	43.50	8.86	100	61	Vertical
225.1652	34.87	-17.79	46.00	11.13	100	160	Vertical
464.0240	27.64	-12.47	46.00	18.36	100	128	Vertical

Frequency Band	Frequency	Emission Level	Polarization	Limit	Detector	Margin	Corr.	Result
	MHz	dBuV/m		dBμV/m		dB	(dB)	
1000-25000MHz	17024.5123	59.34	H	74.00	PK	14.66	0.07	Pass
	17099.5498	47.39	H	54.00	AV	6.61	-0.12	Pass
	16806.9035	59.27	V	74.00	PK	22.19	-16.56	Pass
	16716.8584	46.74	V	54.00	AV	7.26	0.00	Pass

802.11g - 2412MHz Test Result



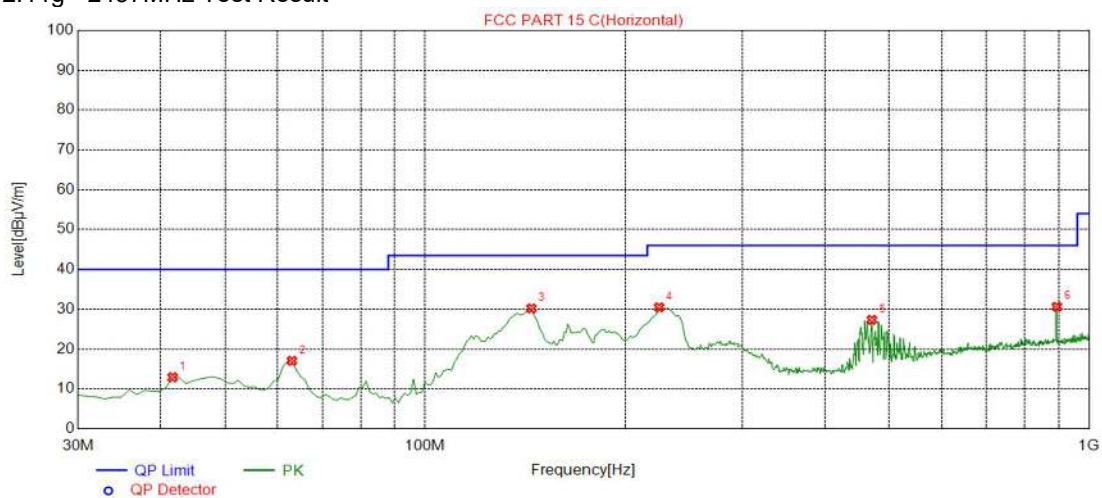
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
62.0420	17.02	-16.99	40.00	22.98	100	286	Horizontal
144.5746	29.39	-15.20	43.50	14.11	100	300	Horizontal
172.7327	26.59	-15.69	43.50	16.91	100	106	Horizontal
230.9910	30.89	-17.65	46.00	15.11	100	132	Horizontal
470.8208	27.47	-12.32	46.00	18.53	100	332	Horizontal
880.5706	23.58	-5.89	46.00	22.42	100	191	Horizontal



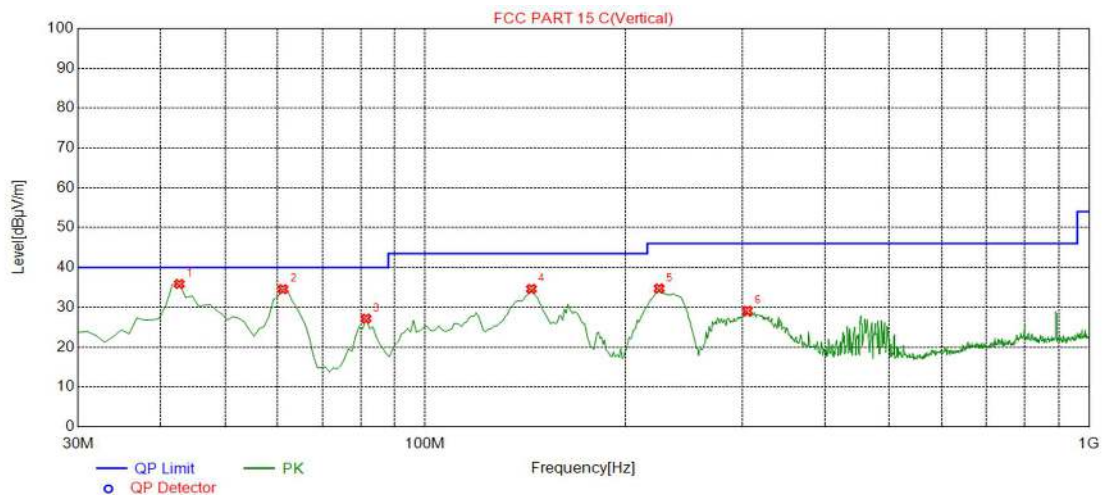
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
43.5936	33.84	-16.29	40.00	6.16	100	244	Vertical
61.0711	34.10	-16.74	40.00	5.90	100	267	Vertical
81.4615	28.18	-19.76	40.00	11.82	100	57	Vertical
144.5746	35.87	-15.20	43.50	7.63	100	28	Vertical
225.1652	34.20	-17.79	46.00	11.80	100	162	Vertical
460.1401	27.38	-12.55	46.00	18.62	100	312	Vertical

Frequency Band	Frequency	Emission Level	Polarization	Limit	Detector	Margin	Corr.	Result
	MHz	dBuV/m		dBμV/m		dB	(dB)	
1000-25000MHz	17729.8649	59.30	H	74.00	PK	14.70	-0.82	Pass
	17722.3612	47.33	H	54.00	AV	6.67	-0.69	Pass
	17834.9175	59.66	V	74.00	PK	14.34	-0.69	Pass
	17669.8349	47.69	V	54.00	AV	6.31	-0.46	Pass

802.11g - 2437MHz Test Result



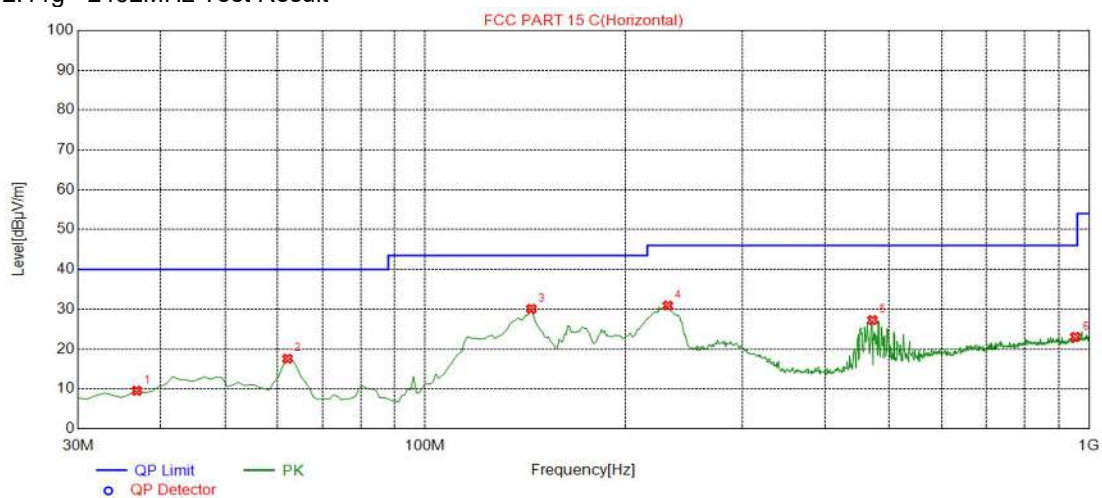
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
41.6517	12.94	-16.34	40.00	27.06	100	320	Horizontal
63.0130	17.07	-17.24	40.00	22.93	100	320	Horizontal
144.5746	30.22	-15.20	43.50	13.28	100	284	Horizontal
225.1652	30.49	-17.79	46.00	15.51	100	143	Horizontal
470.8208	27.36	-12.32	46.00	18.64	100	28	Horizontal
894.1642	30.64	-5.85	46.00	15.36	100	70	Horizontal



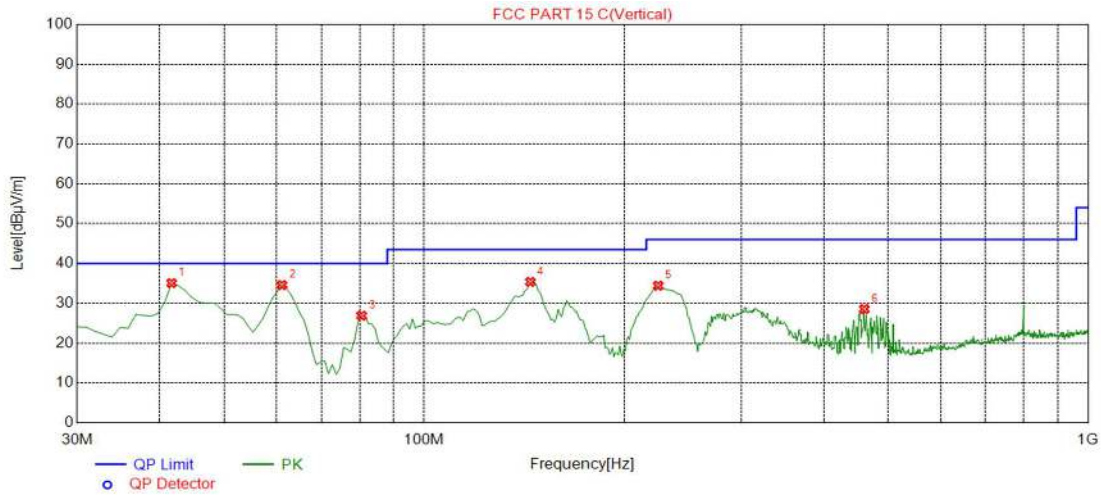
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
42.6226	35.86	-16.31	40.00	4.14	100	0	Vertical
61.0711	34.55	-16.74	40.00	5.45	100	270	Vertical
81.4615	27.17	-19.76	40.00	12.83	100	64	Vertical
144.5746	34.61	-15.20	43.50	8.89	100	332	Vertical
225.1652	34.72	-17.79	46.00	11.28	100	174	Vertical
305.7558	29.13	-15.27	46.00	16.87	100	309	Vertical

Frequency Band	Frequency	Emission Level	Polarization	Limit	Detector	Margin	Corr.	Result
	MHz	dBuV/m		dBμV/m		dB	(dB)	
1000-25000MHz	17977.4887	59.24	H	74.00	PK	14.76	-0.40	Pass
	17984.9925	47.69	H	54.00	AV	6.31	-0.40	Pass
	17759.8799	59.94	V	74.00	PK	14.06	-0.97	Pass
	17962.4812	47.51	V	54.00	AV	6.49	-0.40	Pass

802.11g - 2462MHz Test Result



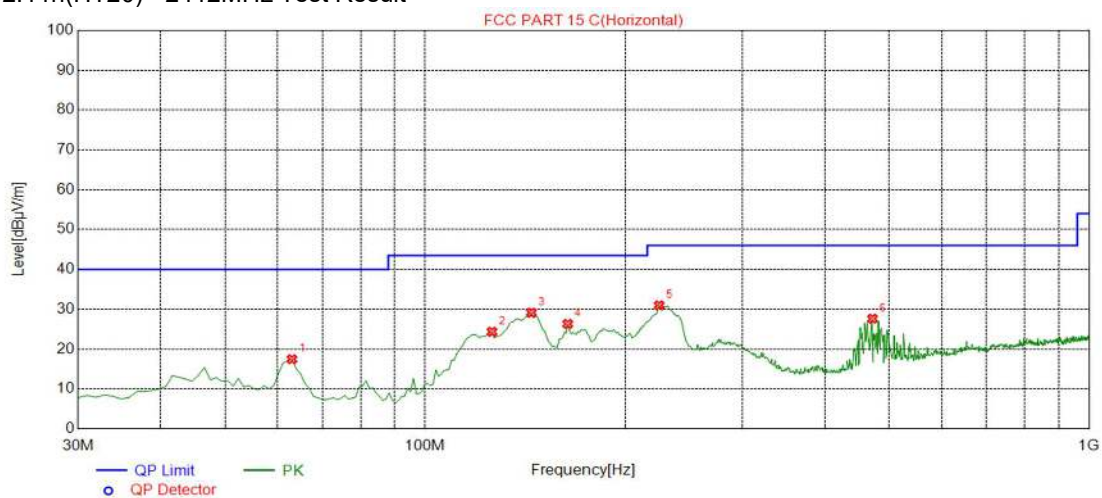
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
36.7968	9.54	-17.00	40.00	30.46	100	262	Horizontal
62.0420	17.59	-16.99	40.00	22.41	100	322	Horizontal
144.5746	30.09	-15.20	43.50	13.41	100	289	Horizontal
231.9620	30.93	-17.62	46.00	15.07	100	139	Horizontal
471.7918	27.28	-12.30	46.00	18.72	100	180	Horizontal
953.3934	23.05	-5.11	46.00	22.95	100	189	Horizontal



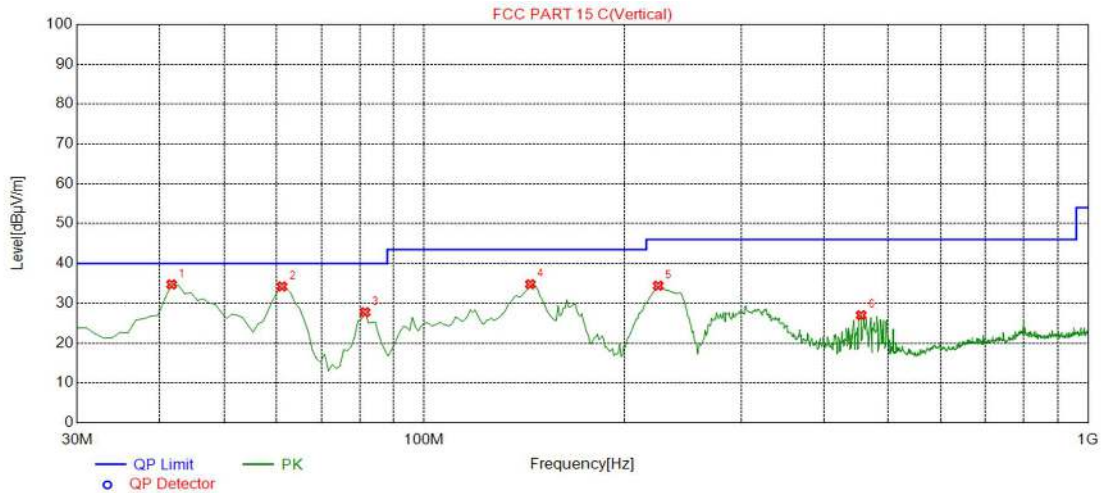
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
41.6517	35.08	-16.34	40.00	4.92	100	78	Vertical
61.0711	34.58	-16.74	40.00	5.42	100	245	Vertical
80.4905	26.89	-19.62	40.00	13.11	100	357	Vertical
144.5746	35.39	-15.20	43.50	8.11	100	105	Vertical
225.1652	34.43	-17.79	46.00	11.57	100	154	Vertical
460.1401	28.56	-12.55	46.00	17.44	100	294	Vertical

Frequency Band	Frequency	Emission Level	Polarization	Limit	Detector	Margin	Corr.	Result
	MHz	dBuV/m		dBμV/m		dB	(dB)	
1000-25000MHz	17984.9925	59.66	H	74.00	PK	14.34	-0.40	Pass
	17984.9925	47.56	H	54.00	AV	6.44	-0.40	Pass
	17714.8574	59.59	V	74.00	PK	14.41	-0.57	Pass
	17662.3312	47.39	V	54.00	AV	6.61	-0.50	Pass

802.11n(HT20) - 2412MHz Test Result



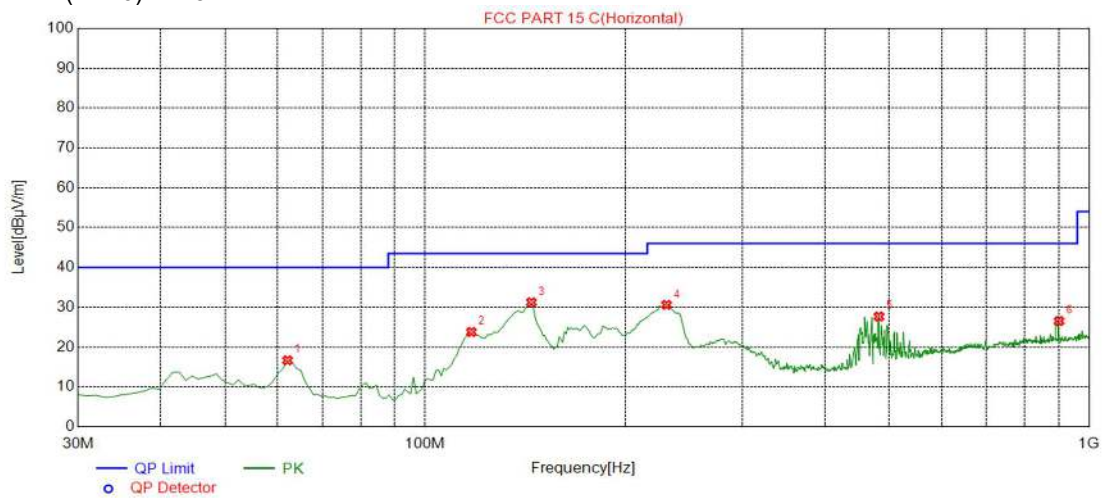
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
63.0130	17.48	-17.24	40.00	22.52	100	311	Horizontal
126.1261	24.34	-17.32	43.50	19.16	100	278	Horizontal
144.5746	29.14	-15.20	43.50	14.36	100	306	Horizontal
163.9940	26.33	-15.26	43.50	17.17	100	115	Horizontal
225.1652	30.98	-17.79	46.00	15.02	100	128	Horizontal
471.7918	27.64	-12.30	46.00	18.36	100	28	Horizontal



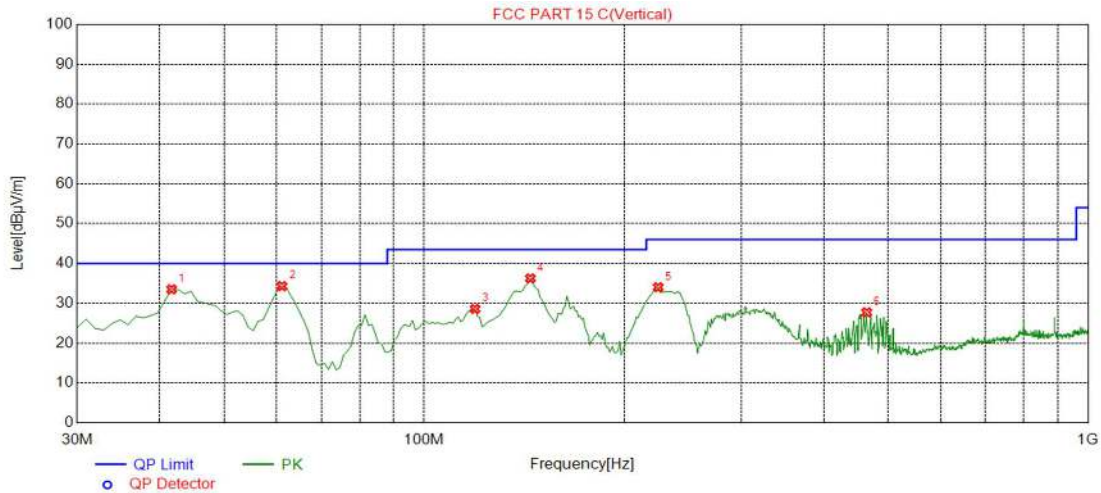
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
41.6517	34.74	-16.34	40.00	5.26	100	13	Vertical
61.0711	34.23	-16.74	40.00	5.77	100	249	Vertical
81.4615	27.77	-19.76	40.00	12.23	100	0	Vertical
144.5746	34.80	-15.20	43.50	8.70	100	54	Vertical
225.1652	34.42	-17.79	46.00	11.58	100	167	Vertical
455.2853	27.01	-12.58	46.00	18.99	100	281	Vertical

Frequency Band	Frequency	Emission Level	Polarization	Limit	Detector	Margin	Corr.	Result
	MHz	dBuV/m		dBμV/m		dB	(dB)	
1000-25000MHz	17167.0835	60.91	H	74.00	PK	13.09	-0.10	Pass
	17159.5798	47.34	H	54.00	AV	6.66	-0.06	Pass
	17714.8574	59.99	V	74.00	PK	14.01	-0.57	Pass
	17677.3387	47.50	V	54.00	AV	6.50	-0.43	Pass

802.11n(HT20) - 2437MHz Test Result



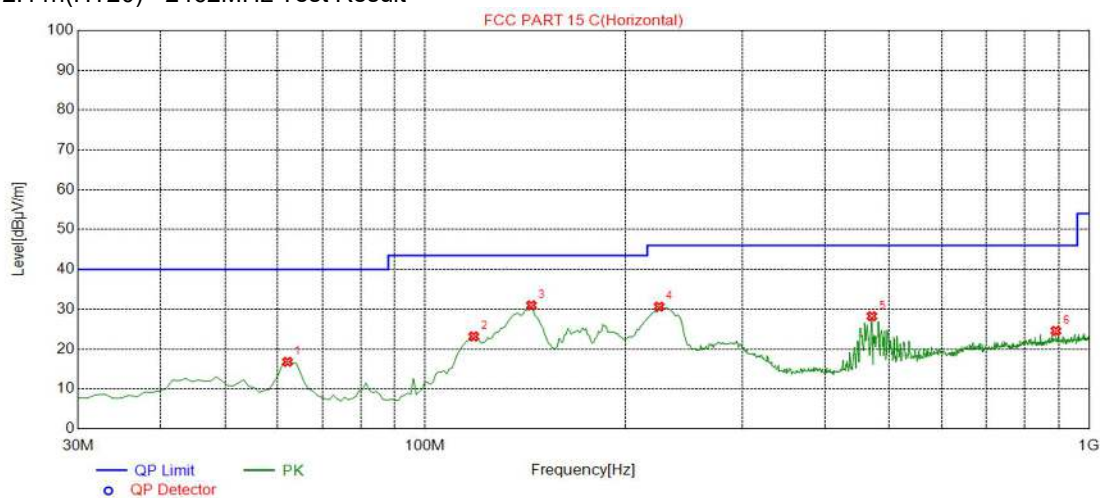
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
62.0420	16.69	-16.99	40.00	23.31	100	293	Horizontal
117.3874	23.80	-18.54	43.50	19.70	100	259	Horizontal
144.5746	31.25	-15.20	43.50	12.25	100	302	Horizontal
230.9910	30.61	-17.65	46.00	15.39	100	124	Horizontal
482.4725	27.69	-12.04	46.00	18.31	100	30	Horizontal
900.9610	26.53	-5.83	46.00	19.47	100	64	Horizontal



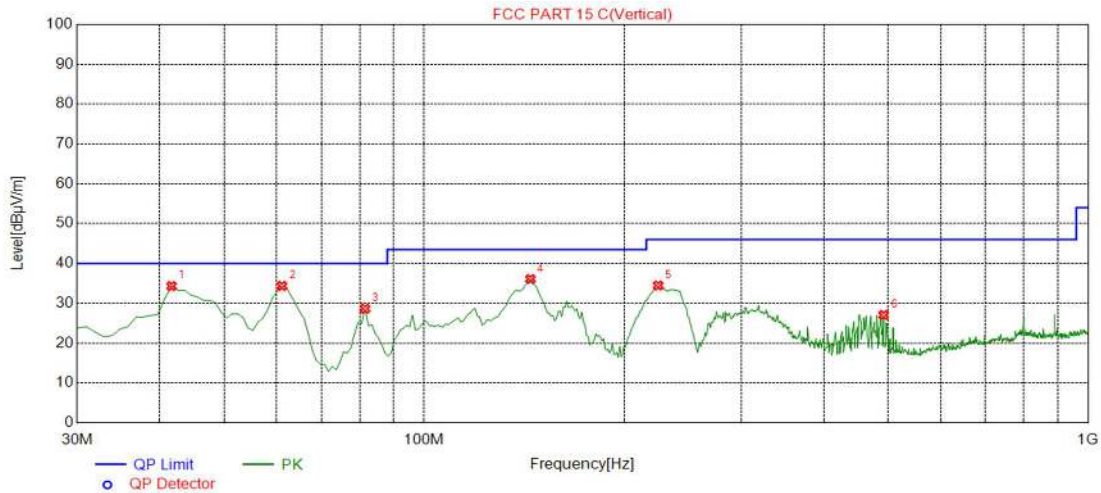
Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
41.6517	33.52	-16.34	40.00	6.48	100	68	Vertical
61.0711	34.31	-16.74	40.00	5.69	100	289	Vertical
119.3293	28.60	-18.33	43.50	14.90	100	234	Vertical
144.5746	36.26	-15.20	43.50	7.24	100	38	Vertical
225.1652	34.04	-17.79	46.00	11.96	100	133	Vertical
464.0240	27.74	-12.47	46.00	18.26	100	124	Vertical

Frequency Band	Frequency	Emission Level	Polarization	Limit	Detector	Margin	Corr.	Result
	MHz	dBuV/m		dBμV/m		dB	(dB)	
1000-25000MHz	17917.4587	60.48	H	74.00	PK	13.52	-0.73	Pass
	17992.4962	47.89	H	54.00	AV	6.11	-0.40	Pass
	17962.4812	60.10	V	74.00	PK	13.90	-0.40	Pass
	17842.4212	47.50	V	54.00	AV	6.50	-0.78	Pass

802.11n(HT20) - 2462MHz Test Result



Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
62.0420	16.81	-16.99	40.00	23.19	100	308	Horizontal
118.3584	23.18	-18.44	43.50	20.32	100	274	Horizontal
144.5746	30.98	-15.20	43.50	12.52	100	308	Horizontal
225.1652	30.67	-17.79	46.00	15.33	100	140	Horizontal
470.8208	28.26	-12.32	46.00	17.74	100	180	Horizontal
891.2513	24.58	-5.85	46.00	21.42	100	28	Horizontal



Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
41.6517	34.32	-16.34	40.00	5.68	100	332	Vertical
61.0711	34.37	-16.74	40.00	5.63	100	260	Vertical
81.4615	28.65	-19.76	40.00	11.35	100	64	Vertical
144.5746	36.09	-15.20	43.50	7.41	100	51	Vertical
225.1652	34.48	-17.79	46.00	11.52	100	177	Vertical
492.1822	27.09	-11.78	46.00	18.91	100	60	Vertical

Frequency Band	Frequency	Emission Level	Polarization	Limit	Detector	Margin	Corr.	Result
	MHz	dBuV/m		dBμV/m		dB	(dB)	
1000-25000MHz	17144.5723	59.93	H	74.00	PK	14.07	-0.02	Pass
	17144.5723	47.36	H	54.00	AV	6.64	-0.02	Pass
	17152.0760	59.73	V	74.00	PK	14.27	-0.02	Pass
	17122.0610	47.43	V	54.00	AV	6.57	-0.07	Pass

Remark:

- (1) “*” means the emission(s) appear within the restrict bands shall follow the requirement of section 15.205.
- (2) Data of measurement within this frequency range shown “--” in the table above means the reading of emissions are the noise floor or attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Above 1GHz: Corrector factor = Antenna Factor + Cable Loss - Amplifier Gain.
- (4) Below 1GHz: Corrector factor = Antenna Factor + Cable Loss - Amplifier Gain.
- (5) Note: The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

Restricted bands of operation (Radiated)

802.11b - 2412MHz Test Result



Freq. [MHz]	Read Level [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
2386.720	77.18	54.71	-22.47	74	19.29	150	Horizontal
2390.000	73.22	50.75	-22.47	74	23.25	150	Horizontal

PK level= Read level + Factor

Factor= Antenna Factor + Cable loss – Preamp Factor



Freq. [MHz]	Read Level [dBμV/m]	AV Level [dBμV/m]	Factor [dB]	AV Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
2386.720	69.98	47.51	-22.47	54	6.49	150	Horizontal
2390.000	62.29	39.82	-22.47	54	14.18	150	Horizontal

AV level= Read level + Factor

Factor= Antenna Factor + Cable loss – Preamp Factor

802.11b - 2462MHz Test Result



Freq. [MHz]	Read Level [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
2483.500	71.65	49.18	-22.47	74	24.82	150	Horizontal
2487.411	74.53	52.06	-22.47	74	21.94	150	Horizontal

PK level= Read level + Factor

Factor= Antenna Factor + Cable loss – Preamp Factor



Freq. [MHz]	Read Level [dBμV/m]	AV Level [dBμV/m]	Factor [dB]	AV Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
2483.500	63.87	41.40	-22.47	54	12.6	150	Horizontal
2487.411	67.48	45.01	-22.47	54	8.99	150	Horizontal

AV level= Read level + Factor

Factor= Antenna Factor + Cable loss – Preamp Factor

802.11g - 2412MHz Test Result



Freq. [MHz]	Read Level [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
2390.000	92.14	69.67	-22.47	74	4.33	150	Horizontal

PK level= Read level + Factor

Factor= Antenna Factor + Cable loss – Preamp Factor



Freq. [MHz]	Read Level [dBμV/m]	AV Level [dBμV/m]	Factor [dB]	AV Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
2390.000	71.18	48.71	-22.47	54	5.29	150	Horizontal

AV level= Read level + Factor

Factor= Antenna Factor + Cable loss – Preamp Factor

802.11g - 2462MHz Test Result



Freq. [MHz]	Read Level [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
2390.000	89.39	66.92	-22.47	74	7.08	150	Horizontal

PK level= Read level + Factor

Factor= Antenna Factor + Cable loss – Preamp Factor



Freq. [MHz]	Read Level [dBμV/m]	AV Level [dBμV/m]	Factor [dB]	AV Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
2483.500	69.17	46.7	-22.47	54	7.3	150	Horizontal

AV level= Read level + Factor

Factor= Antenna Factor + Cable loss – Preamp Factor

802.11n (HT20) - 2412MHz Test Result



Freq. [MHz]	Read Level [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
2389.760	89.76	67.29	-22.47	74	6.71	150	Horizontal
2390.000	89.86	67.39	-22.47	74	6.61	150	Horizontal

PK level= Read level + Factor

Factor= Antenna Factor + Cable loss – Preamp Factor



Freq. [MHz]	Read Level [dBμV/m]	AV Level [dBμV/m]	Factor [dB]	AV Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
2389.760	72.00	49.53	-22.47	54	4.47	150	Horizontal
2390.000	72.30	49.83	-22.47	54	4.17	150	Horizontal

AV level= Read level + Factor

Factor= Antenna Factor + Cable loss – Preamp Factor

802.11n (HT20) - 2462MHz Test Result



Freq. [MHz]	Read Level [dBμV/m]	PK Level [dBμV/m]	Factor [dB]	PK Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
2483.500	90.48	68.01	-22.47	74	5.99	150	Horizontal
2483.979	91.16	68.69	-22.47	74	5.31	150	Horizontal

PK level= Read level + Factor

Factor= Antenna Factor + Cable loss – Preamp Factor



Freq. [MHz]	Read Level [dBμV/m]	AV Level [dBμV/m]	Factor [dB]	AV Limit [dBμV/m]	Margin [dB]	Height [cm]	Polarity
2483.500	71.16	48.69	-22.47	54	5.31	150	Horizontal

AV level= Read level + Factor

Factor= Antenna Factor + Cable loss – Preamp Factor

End