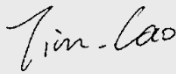


Test report No:
2660540R.713

FCC TEST REPORT

Product	Notebook PC
Model and /or type reference	X1652X, M1652X, D1652X, X1652XA, M1652XA, D1652XA
Trademark	ASUS
FCC ID	TX2-RTL8852B
Applicant's name / address	Realtek Semiconductor Corp. No. 2, Innovation Road II, Hsinchu Science Park, Hsinchu 300, Taiwan
Test method requested, standard	47 CFR FCC Part 15 (Section 15.247) ANSI C63.10: 2020
Verdict Summary	IN COMPLIANCE
Tested By (name / position & signature)	Tim Cao / Project Manager 
Approved by (name / position & signature)	Frank He / Technical Manager 
Date of issue	2026-07-28
Report Version	V1.0
Report template No.	Template_FCC Part 15C-RF-V1.0

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COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

GENERAL CONDITIONS

Test Location	No. 8213, Fanhua Avenue, Baohe District, Hefei City, Anhui Province, China
Test Facility	A2LA (Certificate No. 6579.01) CNAS (Certificate No. L21125) FCC - Designation Number: CN1231 Test Firm Registration Number: 690292 ISED - CAB identifier: CN0175 IC#: 32222
Date (receive sample)	Jun. 17, 2026
Date (start test)	Jul. 01, 2026
Date (finish test)	Jul. 15, 2026

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.
5. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, it is not necessary to account the uncertainty associated with the measurement result.

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2660540R.713	V1.0	Initial issue of report.	2026-07-28

TEST SUMMARY

Requirement – Test Item	Standard(s)	Verdict	Remark
DTS Bandwidth	FCC 15.247(a)(2)	Pass	See Remark¹⁾
Maximum conducted output power	15.247 (b)(3)	Pass	Test data please refer to Appendix
Maximum power spectral density	FCC 15.247(e)	Pass	See Remark¹⁾
Band edge measurements	FCC 15.247(d) FCC 15.205 FCC 15.209	Pass	Test data please refer to Appendix
Conducted Spurious Emission	FCC 15.247(d), FCC 15.209	Pass	See Remark¹⁾
Duty cycle	ANSI C63.10	Pass	See Remark¹⁾
Emissions in Restricted Bands	FCC 15.205 FCC 15.209	Pass	Test data please refer to Appendix
AC Power Line Conducted Emission	FCC 15.207	Pass	Test data please refer to Appendix
Antenna Requirement	FCC 15.203	Pass	---
Remark: The product host is based on the module RTL8852B (FCC ID: TX2-RTL8852B), only Maximum conducted output power and Band edge and Emissions in Restricted Bands and AC Power Line Conducted Emission has been fully tested. For other test items, please refer to Wi-Fi 2.4G module report RFBBUI-WTW-P22031043_R00.			

USED EQUIPMENT

Conducted Test

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Wideband Radio Communication Tester	R&S	CMW 500	163864	2026.05.08	2027.05.07
Signal Generator	R&S	SMR 20	100654	2026.05.08	2027.05.07
MAX Signal Analyzer	Keysight	N9010A	MY55370495	2025.09.14	2026.09.13
RF Control Unit	Tonscend	JS0806-2	22G8060594	2026.05.08	2027.05.07
Frequency extender for EXG or MXG	Keysight	N5182BX07	MY59362500	2026.06.17	2027.06.16
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY61252529	2026.06.17	2027.06.16
Test Software	Tonscend	TS1120	JS1120-3	N/A	N/A

Radiated Emission Band Edge (1~40G)

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Fully-anechoic chamber	Maorui	9m*6m*6m	AC103	2023.08.23	2028.08.22
MAX Signal Analyzer	Keysight	N9020B	MY63490118	2025.08.08	2026.08.07
Horn Antenna	RF SPIN	DRH18-E	KV2D11A18ES	2025.10.19	2026.10.18
Low Noise Amplifier	Tonscend	TAP01018048S	AP23J8060307	2025.10.16	2026.10.15
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	01312	2025.10.24	2026.10.23
Low Noise Amplifier	ESE	LNA1840	LNA23070301	2025.10.16	2026.10.15
Temperature/Humidity Meter	RITERS	RTS-8S	010	2025.08.25	2026.08.24
Test Software	Tonscend	J536	JS36-RSE	N/A	N/A

Radiated Emission (9K~1G)

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
semi-anechoic chamber	Maorui	9m*6m*6m	AC102	2023.08.23	2028.08.22
Bilog Antenna	TESEQ	CBL6112D	57867	2026.05.11	2027.05.10
Loop Antenna	R&S	HFH2-Z2E	101181	2025.10.24	2026.10.23
EMI test receiver	R&S	ESR7	102327	2026.05.07	2027.05.06
Temperature/Humidity Meter	RTS-8S	RTS-8S	13	2025.08.29	2026.08.28
Temperature/Humidity Meter	RTS-8S	RTS-8S	15	2025.08.25	2026.08.24
Dekra test software	Dekra	N/A	N/A	N/A	N/A

AC Power Line Conducted Emission

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielded room	Maorui	9m*4m*4m	SR104	2023.08.23	2028.08.22
V-network	R&S	ENV216	101516	2026.05.10	2027.05.09
EMI test receiver	R&S	ESR3	103140	2026.05.07	2027.05.06
V-LISN	R&S	ENV4200	100748	2026.05.10	2027.05.09
cable	R&S	N/A	213	2026.05.10	2027.05.09
Dekra test software	Dekra	N/A	N/A	N/A	N/A

UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Test item Test Location	Uncertainty
AC Power Line Conducted Emission	9kHz~150kHz: 2.8 dB 150kHz~30MHz: 2.4 dB
Peak Power Output	± 1.3 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 3.5 dB 300MHz~1GHz: 3.6 dB Vertical: 30MHz~200MHz: 3.6 dB 300MHz~1GHz: 3.5 dB
Radiated Emission(1GHz~26.5GHz)	Horizontal: 1GHz~18GHz: 5.0 dB Vertical: 1GHz~18GHz: 4.8 dB Horizontal: 18GHz~26.5GHz: 5.3 dB Vertical: 18GHz~26.5GHz: 4.9 dB
RF antenna conducted test	± 1.3 dB
Carrier Frequency Separation	± 1.0 kHz
Number of Hopping Frequencies	± 1.0 kHz
Time of Occupancy (Dwell Time)	± 0.10 us
Radiated Emission Band Edge	± 3.9 dB
DTS Bandwidth	± 1.0 kHz
Occupied Bandwidth	± 1.0 kHz
Power Density	± 1.3 dB

1 GENERAL INFORMATION

Product Name	Notebook PC
Trademark	ASUS
Model Name	X1652X, M1652X, D1652X, X1652XA, M1652XA, D1652XA
FCC ID.....	TX2-RTL8852B
Hardware Version.....	V1
Software Version	X1652XA.100
Model difference	Exclusively for marketing purposes.
Power Supply	AC: 230 Vac
Manufacturer	ASUSTEK COMPUTER INC.
Manufacturer address	1F. No.15, Lide Rd., Beitou Dist., Taipei City 112,Taiwan
Factory.....	Nanchang Huaqin Electronic Technology Co., Ltd.
Factory address.....	No.2999, Tianxiang Avenue, High-tech Development Zone, Nanchang City
Wireless Module	RTL8852B
Wireless specification.....	2.4G Wi-Fi
Type of Modulation	802.11b: DSSS-DBPSK, DQPSK, CCK 802.11g/n/ax: OFDM, OFDMA
Operating frequency range(s)	2412~2472MHz
Number of channels	802.11b/g/n/ax(20MHz): 11 802.11n/ax(40MHz): 7
Note: 1, Because of the module has been certified, so for the output power we only evaluated the normal environment conditions. 2, As above information is provided and confirmed by the applicant. DEKRA is not liable to the accuracy, suitability, reliability or/and integrity of the information. 3, The X1652XA is tested as the main model, and its data also represents the X1652X, M1652X, D1652X, M1652XA, D1652XA.	

Antenna Information:

Antenna Port	Antenna Manufacturer	Antenna Type	2400-2483.5 MHz	5150-5250 MHz	5250-5350 MHz	5470-5725 MHz	5725-5850 MHz	5850-5895 MHz
MAIN	INPAQ (WA-P-LELE-04-109)	PIFA	2.96	2.95	2.78	2.93	2.54	2.19
AUX			2.77	3.05	3.03	1.51	1.38	1.58
MAIN	INNOWAVE (F001S0913111000)	PIFA	2.93	2.88	2.72	2.81	2.42	2.03
AUX			2.73	2.91	2.90	1.72	1.52	1.46

Note: The report gain usage details are as follows:

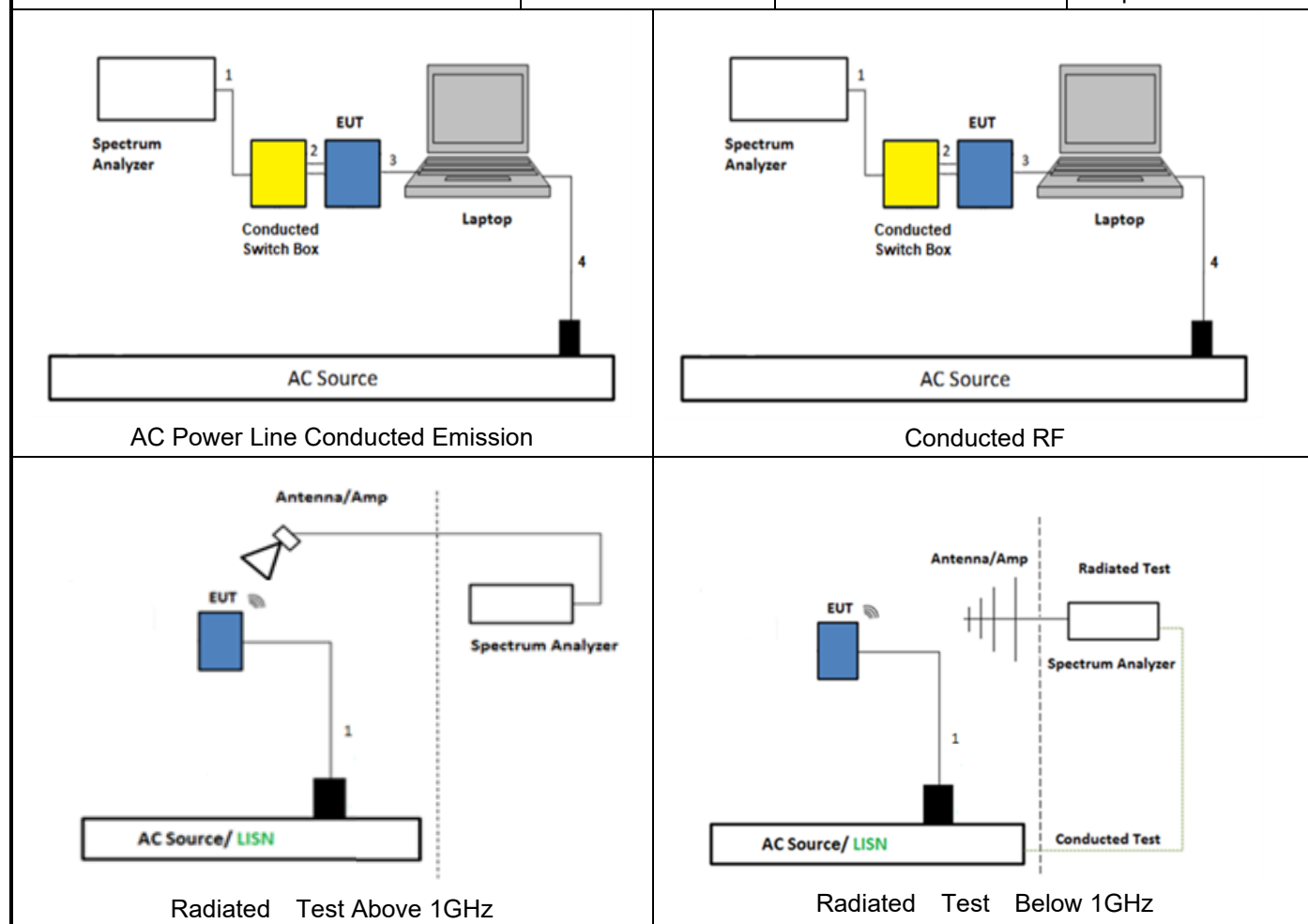
1. Output Power test: The maximum equivalent isotropic radiated power (EIRP) is calculated separately for the two antennas.
2. Radiated spurious emission test: Each antenna was tested separately, and only the worst data was included in the report.
3. OFDMA: The product supports OFDMA Full RU and Partial RU for 802.11ax devices. The worst-case mode of the module occurs in Full RU, so verifying using only the full resource unit (Full RU) is sufficient to demonstrate the compliance of 802.11ax OFDMA.

Power setting in test

2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Power Setting
	802.11b 1Mbps	1	2412	15
		6	2437	15
		11	2462	15
	802.11g 6Mbps	1	2412	15
		6	2437	15
		11	2462	15
	802.11ac-VHT20 MCS0	1	2412	15
		6	2437	15
		11	2462	15
	802.11ac-VHT40 MCS0	1	2412	15
		6	2437	15
		11	2462	15
	802.11ax-HE20 MCS0	1	2412	15
		6	2437	15
		11	2462	15
	802.11ax-HE40 MCS0	1	2412	15
		6	2437	15
		11	2462	15

2 DESCRIPTION OF TEST SETUP

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
(1) Notebook	Vivobook	ASUS	Adapter
(2) Ethernet cable	N/A	N/A	N/A
(3) Ethernet cable	N/A	N/A	N/A
Software	Type / Version	Manufacturer	Supplied by
AX Series MP Toolkit	1.0.76	REALTEK	Adapter



Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2) Ethernet cable	1	☒	☒
(3) Ethernet cable	8	☒	☒

3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
FCC CFR Title 47 Part 15 Subpart C Section 15.247	2020	Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz.
ANSI C63.10	2020	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 558074 D01V05r02	2019	Guidance for performing compliance measurements on Digital Transmission System (DTS) operating under section 15.247
KDB 662911 D01V02r01	2020	Provision to Allow Measurement of Directional Gain of Multi-Antenna Systems for Compliance Verification

3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

(Please define the deviations from the standard(s) if applicable)

4 TEST RESULTS

4.1 AC Power Line Conducted Emission

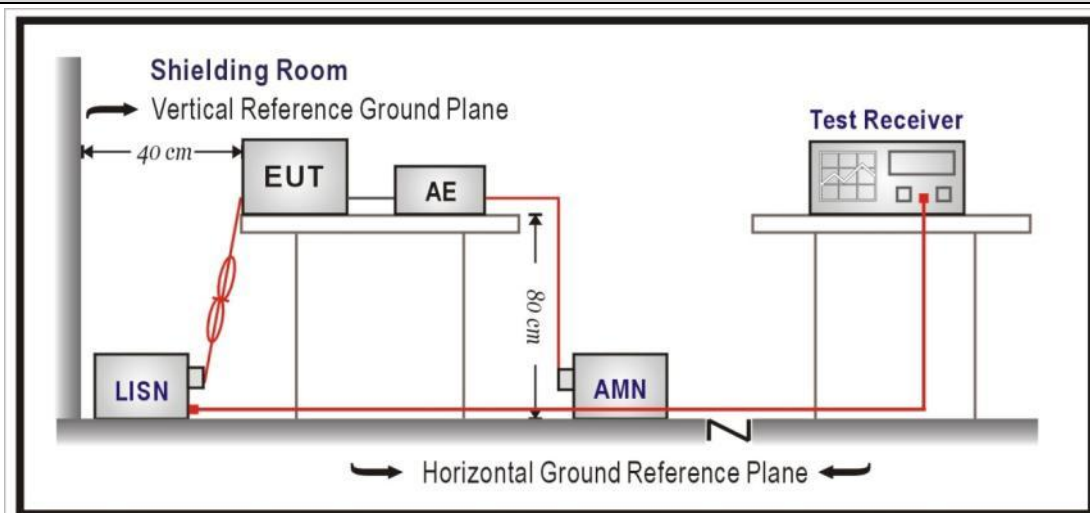
VERDICT: PASS

4.1.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.207	
Frequency range [MHz]	Limit: QP [dB(μV) ¹⁾]	Limit: AV [dB(μV) ¹⁾]
0,15 - 0,50	66 - 56 ²⁾	56 - 46 ²⁾
0,50 - 5,0	56	46
5,0 - 30	60	50

¹⁾ At the transition frequency, the lower limit applies.
²⁾ The limit decreases linearly with the logarithm of the frequency.

4.1.2 Test Setup



4.1.3 Test Procedure

	References Rule	Chapter	Item
☒	ANSI C63.10	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.2 Emissions in restricted frequency bands**VERDICT: PASS****4.2.1 Limit**

Standard	FCC Part 15 Subpart C Paragraph 15.205; 15.209
-----------------	--

Restricted Bands of operation for FCC

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (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
8.81425 – 8.81475	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	Above 38.6
13.36 – 13.41	--	--	--

Restricted Band Emissions Limit

Frequency (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 _(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 _(Note 1)
1.705 - 30	30	29.5	30 _(Note 1)
30 - 88	100	40	3 _(Note 2)
88 - 216	150	43.5	3 _(Note 2)
216 - 960	200	46	3 _(Note 2)
Above 960	500	54	3 _(Note 2)

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

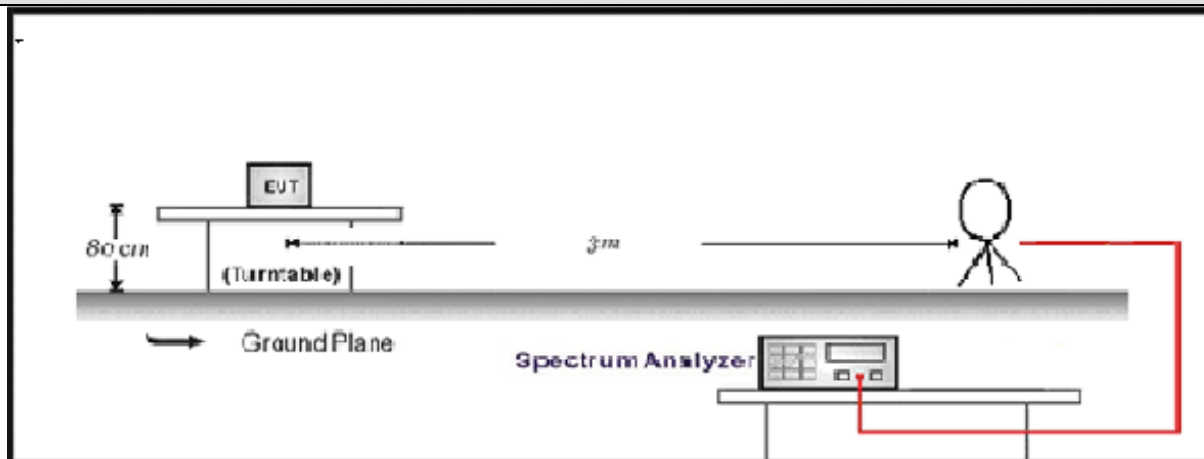
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment.

Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation

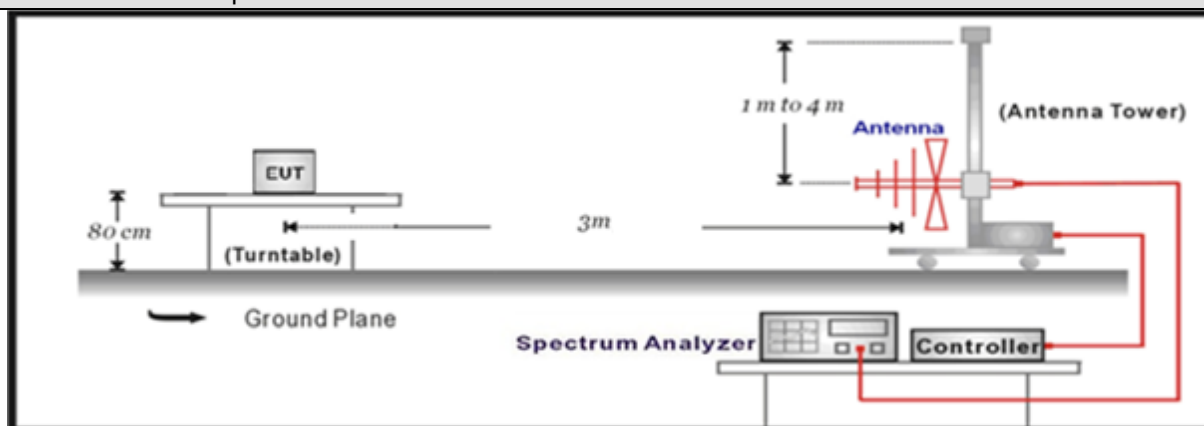
factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

4.2.2 Test Setup

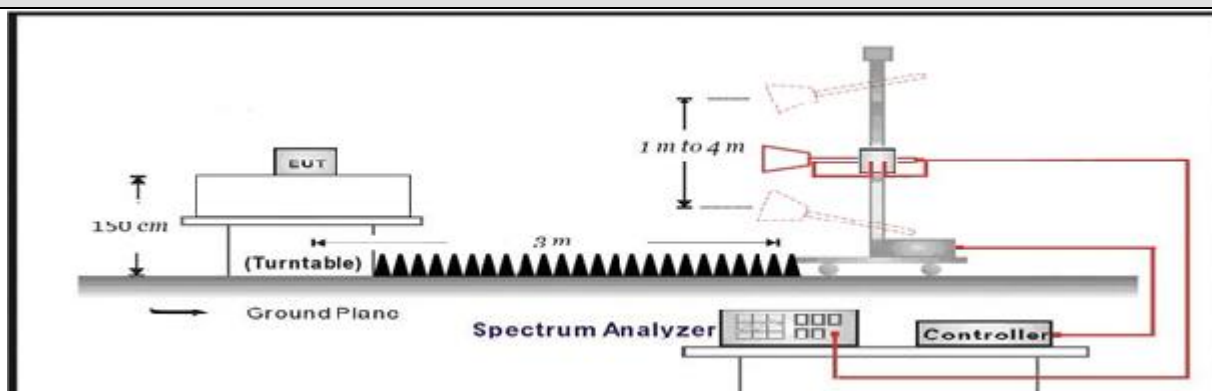
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.2.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		11.12	Emissions in restricted frequency bands
	☒	ANSI C63.10	11.12.1	Radiated emission measurements
	☒	ANSI C63.10	6.3	Radiated spurious emission test
	☒	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	☒	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

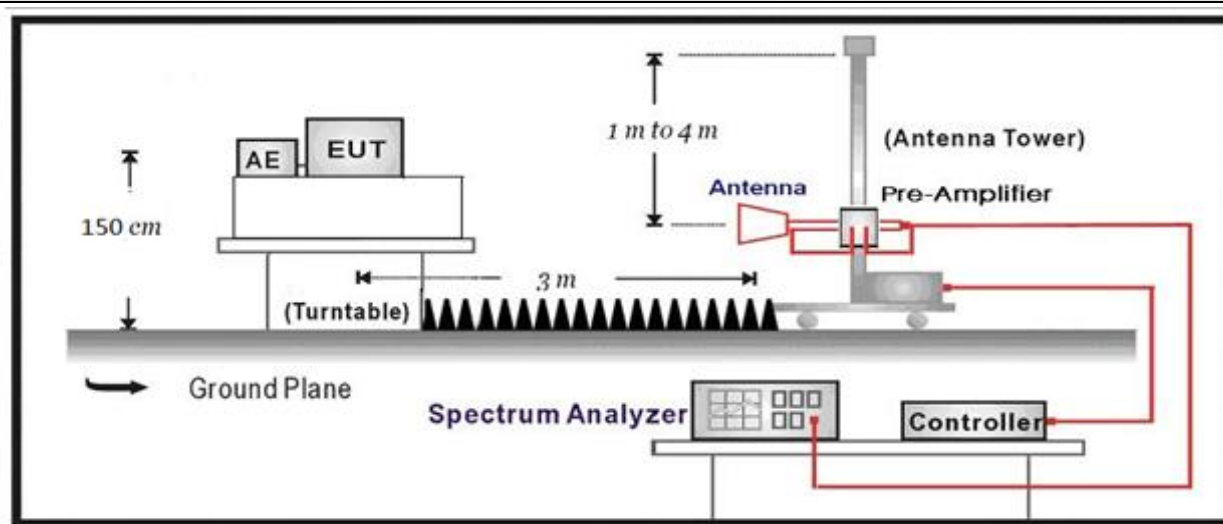
4.3 Radiated Emission Band Edge**VERDICT: PASS****4.3.1 Limit**

Standard		FCC Part 15 Subpart C Paragraph 15.247(d) , 15.205, 15.209		
Frequency bands (MHz)	Detector	Limit (dB μ V/m)	RBW (MHz)	Distance (m)
2310-2390	PK	74	1	3
2483.5-2500	AV	54	1	3

Note: The field strength of emissions appearing within these frequency bands shall not exceed the limits.

4.3.2 Test Setup

Above 1GHz Test Setup:

**4.3.3 Test Procedure**

	References Rule	Chapter	Description
☒	ANSI C63.10	6.10	Band-edge testing
☒	☒ ANSI C63.10	6.10.5	Restricted-band band-edge measurements
☒	☐ ANSI C63.10	6.10.6	Marker-delta method
☒	ANSI C63.10	11.12	Emissions in restricted frequency bands
☒	☒ ANSI C63.10	11.12.1	Radiated emission measurements
☒	☒ ANSI C63.10	6.3	Radiated spurious emission test
☐	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
☐	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

4.4 Fundamental emission output power

VERDICT: PASS

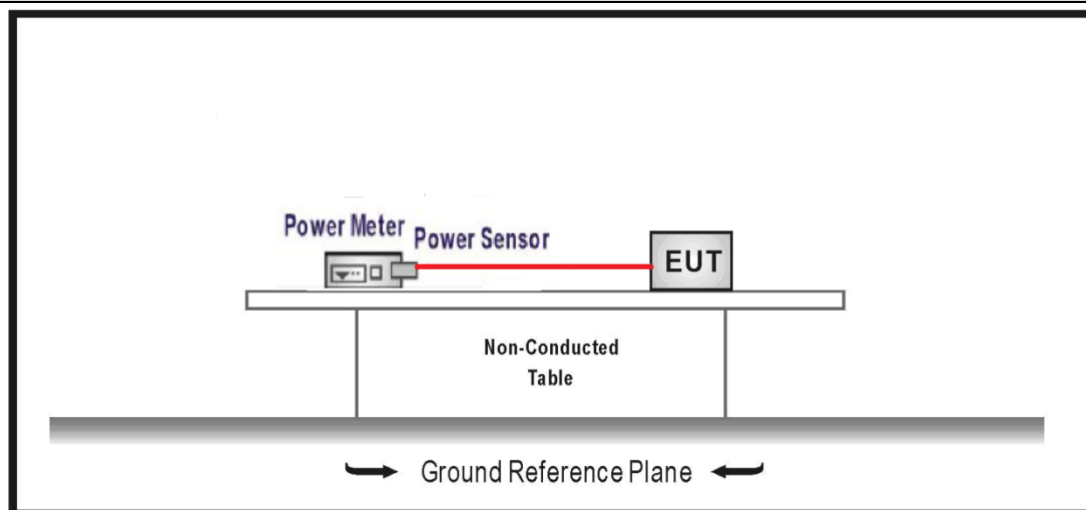
4.4.1 Limit

Standard		FCC Part 15 Subpart C Paragraph 15.247 (b)(3)
☒	GTX < 6dBi	Pout ≤ 30dBm
☐	GTX > 6dBi	
☐	Non-Fix point-point	Pout ≤ 30 - (GTX - 6)
☐	Fix point-point	Pout ≤ 30 - [(GTX - 6)]/3
☐	Point-to-multipoint	Pout ≤ 30 - (GTX - 6)
☐	Overlap Beams	Pout ≤ 30 - [(GTX - 6)]/3
☐	Avgregate power transmitted simultaneously on all beams	Pout ≤ 30 - [(GTX - 6)]/3
☐	single directional beam	Pout ≤ 30 - [(GTX - 6)]/3 + 8dB

Note 1 : GTX directional gain of transmitting antennas.

Note 2 : Pout is maximum conducted output power .

4.4.2 Test Setup



4.4.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		11.9	Fundamental emission output power
☒	ANSI C63.10		11.9.1	Maximum peak conducted output power
☐	☐	ANSI C63.10	11.9.1.1	RBW ≥ DTS bandwidth
☒	☒	ANSI C63.10	11.9.1.2	PKPM1 Peak power meter method

4.5 Antenna Requirement**VERDICT: PASS****4.5.1 Limit:****Standard**

FCC Part 15 Subpart C Paragraph 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

4.5.2 Antenna Connector Construction:

- | | |
|-------------------------------------|--|
| ☒ | The use of a permanently attached antenna |
| ☐ | The antenna use of a unique coupling to the intentional radiator |
| ☐ | The use of a nonstandard antenna jack or electrical connector |

Please refer to the attached document "Internal Photograph" to show the antenna connector.

5 TEST SETUP PHOTO AND EUT PHOTO

Remark: The test setup photo and EUT Photo please see appendix.

Appendix

Maximum Conducted Output Power

INPAQ Antenna											
	Mode	Channel	Frequency (MHz)	Average Power (dBm)			EIRP (dBm)			Limit (dBm)	
				MAIN	AUX	MAIN+AUX	MAIN	AUX	MAIN+AUX	Average Power	EIRP
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.40	14.51	17.47	17.36	17.28	20.33	30.00	36.00
		6	2437	14.85	14.75	17.81	17.81	17.52	20.68	30.00	36.00
		11	2462	14.69	14.83	17.77	17.65	17.60	20.64	30.00	36.00
	802.11g 6Mbps	1	2412	14.15	14.05	17.11	17.11	16.82	19.98	30.00	36.00
		6	2437	14.45	14.48	17.48	17.41	17.25	20.34	30.00	36.00
		11	2462	14.31	14.00	17.17	17.27	16.77	20.04	30.00	36.00
	802.11ac-VHT20 MCS0	1	2412	14.09	14.27	17.19	17.05	17.04	20.06	30.00	36.00
		6	2437	14.18	14.18	17.19	17.14	16.95	20.06	30.00	36.00
		11	2462	14.10	14.21	17.17	17.06	16.98	20.03	30.00	36.00
	802.11ac-VHT40 MCS0	3	2422	14.15	14.48	17.33	17.11	17.25	20.19	30.00	36.00
		6	2437	14.21	13.94	17.09	17.17	16.71	19.96	30.00	36.00
		9	2452	14.15	13.99	17.08	17.11	16.76	19.95	30.00	36.00
	802.11ax-HE20 MCS0	1	2412	14.13	13.95	17.05	17.09	16.72	19.92	30.00	36.00
		6	2437	14.35	14.26	17.32	17.31	17.03	20.18	30.00	36.00
		11	2462	14.04	14.08	17.07	17.00	16.85	19.94	30.00	36.00
	802.11ax-HE40 MCS0	3	2422	14.23	14.18	17.22	17.19	16.95	20.08	30.00	36.00
		6	2437	14.34	14.14	17.25	17.30	16.91	20.12	30.00	36.00
		9	2452	14.18	14.23	17.22	17.14	17.00	20.08	30.00	36.00

Note: EIRP = Average Power + Antenna Gain (Antenna Gain refers to the Antenna Information in Chapter 1)

INNOWAVE Antenna											
	Mode	Channel	Frequency (MHz)	Average Power (dBm)			EIRP (dBm)			Limit (dBm)	
				MAIN	AUX	MAIN+AUX	MAIN	AUX	MAIN+AUX	Average Power	EIRP
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.40	14.51	17.47	17.33	17.24	20.30	30.00	36.00
		6	2437	14.85	14.75	17.81	17.78	17.48	20.64	30.00	36.00
		11	2462	14.69	14.83	17.77	17.62	17.56	20.60	30.00	36.00
	802.11g 6Mbps	1	2412	14.15	14.05	17.11	17.08	16.78	19.94	30.00	36.00
		6	2437	14.45	14.48	17.48	17.38	17.21	20.31	30.00	36.00
		11	2462	14.31	14.00	17.17	17.24	16.73	20.00	30.00	36.00
	802.11ac-VHT20 MCS0	1	2412	14.09	14.27	17.19	17.02	17.00	20.02	30.00	36.00
		6	2437	14.18	14.18	17.19	17.11	16.91	20.02	30.00	36.00
		11	2462	14.10	14.21	17.17	17.03	16.94	20.00	30.00	36.00
	802.11ac-VHT40 MCS0	3	2422	14.15	14.48	17.33	17.08	17.21	20.16	30.00	36.00
		6	2437	14.21	13.94	17.09	17.14	16.67	19.92	30.00	36.00
		9	2452	14.15	13.99	17.08	17.08	16.72	19.91	30.00	36.00
	802.11ax-HE20 MCS0	1	2412	14.13	13.95	17.05	17.06	16.68	19.88	30.00	36.00
		6	2437	14.35	14.26	17.32	17.28	16.99	20.15	30.00	36.00
		11	2462	14.04	14.08	17.07	16.97	16.81	19.90	30.00	36.00
	802.11ax-HE40 MCS0	3	2422	14.23	14.18	17.22	17.16	16.91	20.05	30.00	36.00
		6	2437	14.34	14.14	17.25	17.27	16.87	20.08	30.00	36.00
		9	2452	14.18	14.23	17.22	17.11	16.96	20.05	30.00	36.00

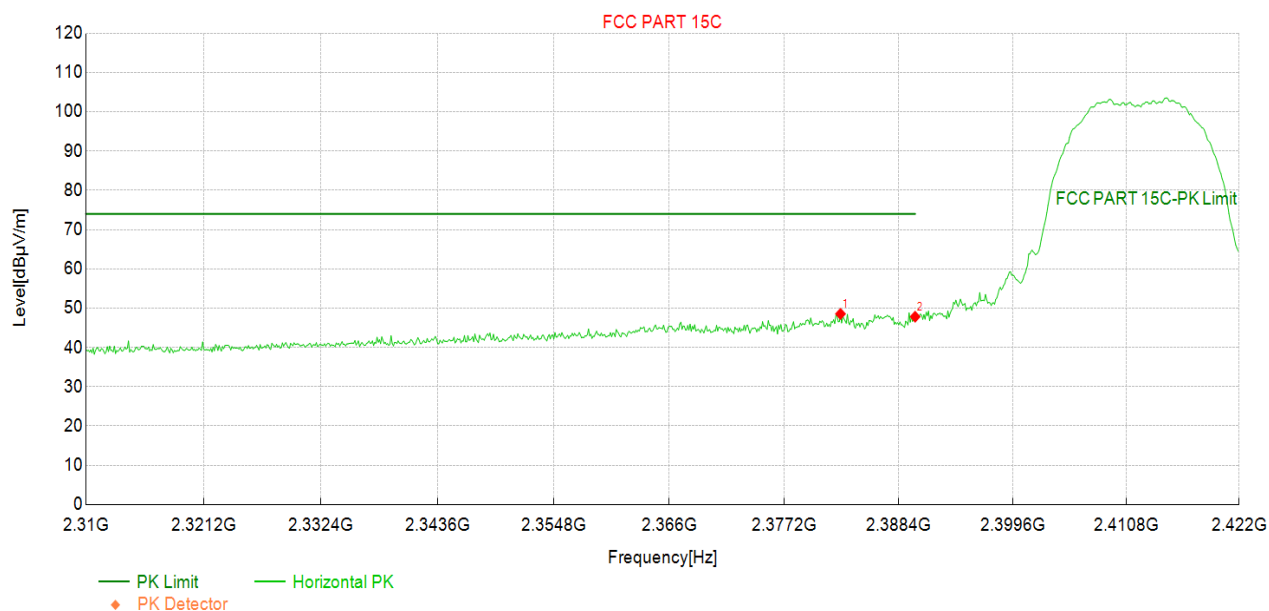
Note: EIRP = Average Power + Antenna Gain (Antenna Gain refers to the Antenna Information in Chapter 1)

Band edge measurements

INPAQ Antenna:

Transmit at 2412MHz by 802.11b with Ant MAIN+AUX

Test Graph

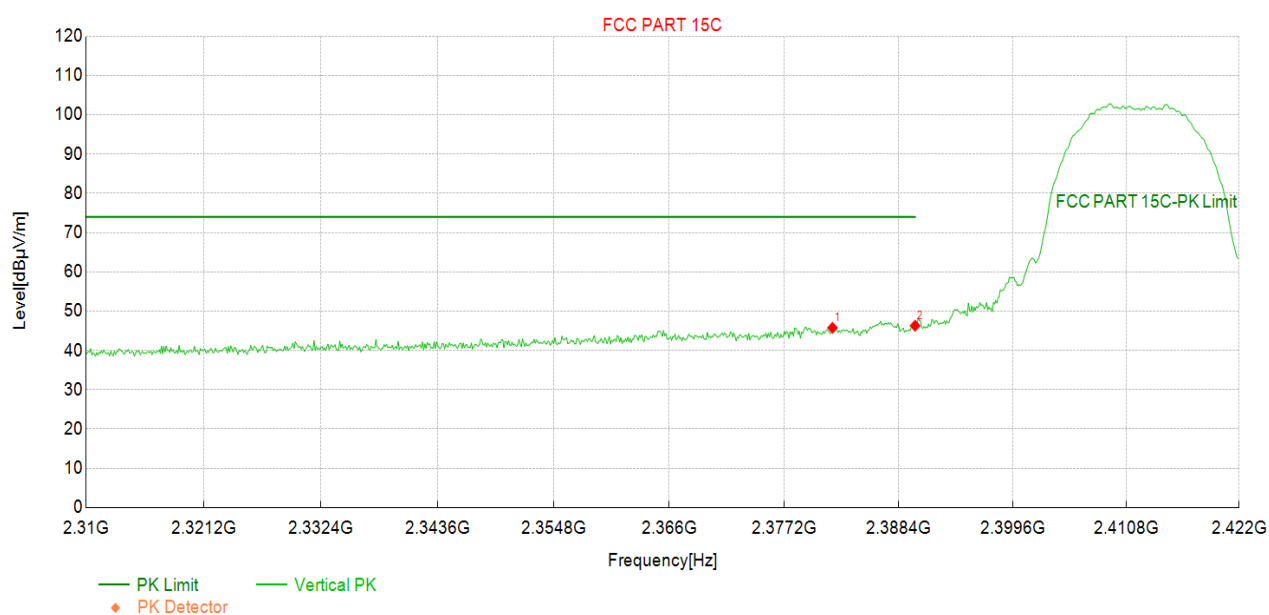


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2382.69	48.67	48.54	-0.130	74.00	25.46	PK	Horizo	PASS
2	2390.00	47.94	47.82	-0.120	74.00	26.18	PK	Horizo	PASS

Transmit at 2412MHz by 802.11b with Ant MAIN+AUX

Test Graph

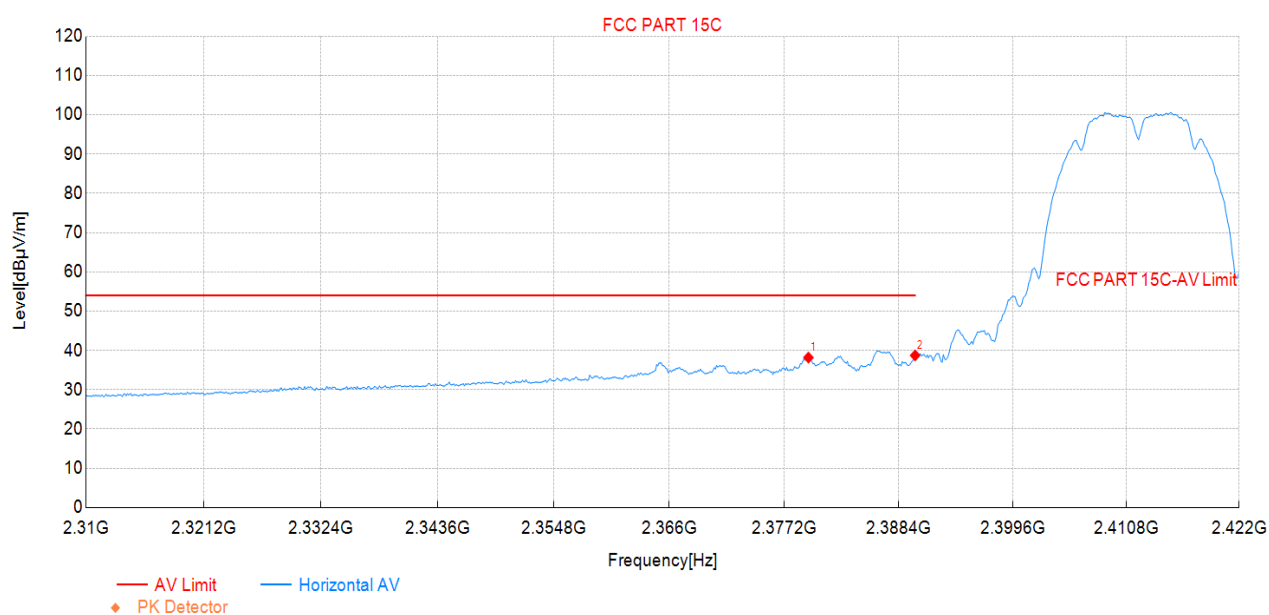


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2381.90	45.90	45.77	-0.130	74.00	28.23	PK	Vertic	PASS
2	2390.00	46.42	46.30	-0.120	74.00	27.70	PK	Vertic	PASS

Transmit at 2412MHz by 802.11b with Ant MAIN+AUX

Test Graph

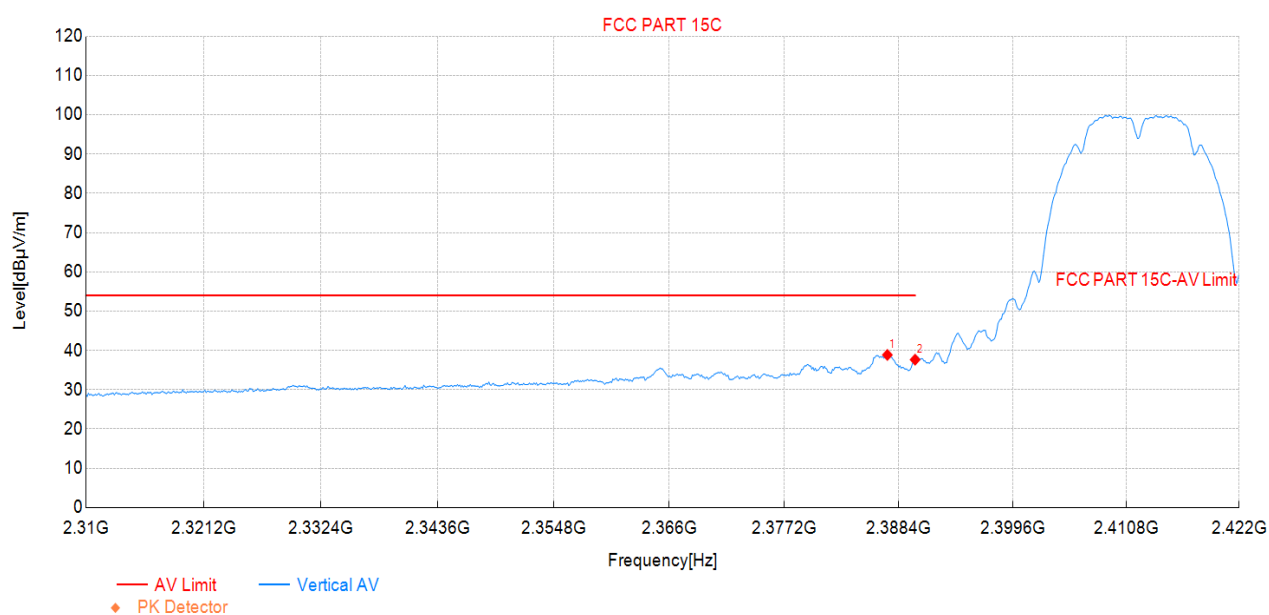


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2379.55	38.32	38.19	-0.130	54.00	15.81	AV	Horizo	PASS
2	2390.00	38.85	38.73	-0.120	54.00	15.27	AV	Horizo	PASS

Transmit at 2412MHz by 802.11b with Ant MAIN+AUX

Test Graph

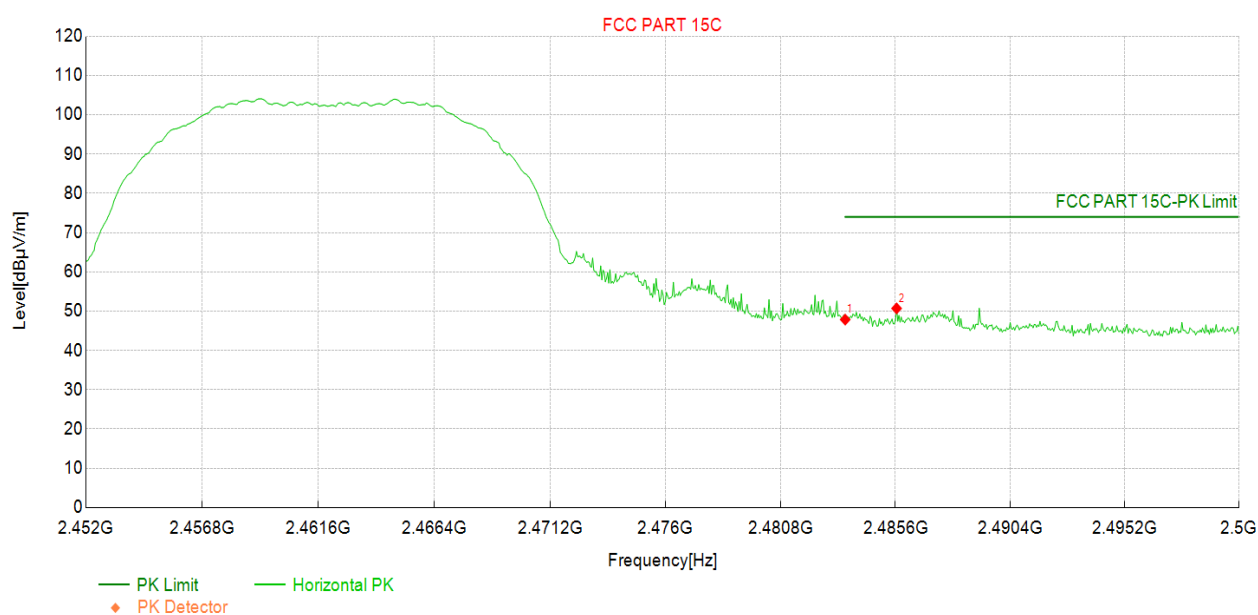


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2387.28	38.98	38.86	-0.120	54.00	15.14	AV	Vertic	PASS
2	2390.00	37.77	37.65	-0.120	54.00	16.35	AV	Vertic	PASS

Transmit at 2462MHz by 802.11b with Ant MAIN+AUX

Test Graph

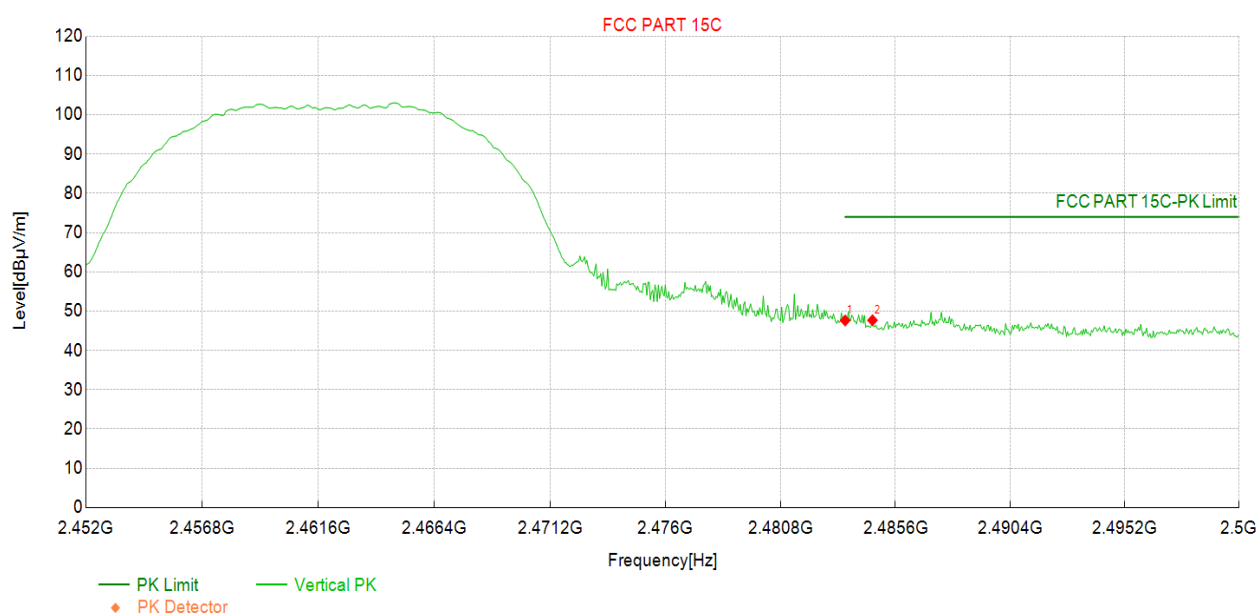


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	47.70	47.85	0.150	74.00	26.15	PK	Horizo	PASS
2	2485.65	50.54	50.70	0.160	74.00	23.30	PK	Horizo	PASS

Transmit at 2462MHz by 802.11b with Ant MAIN+AUX

Test Graph

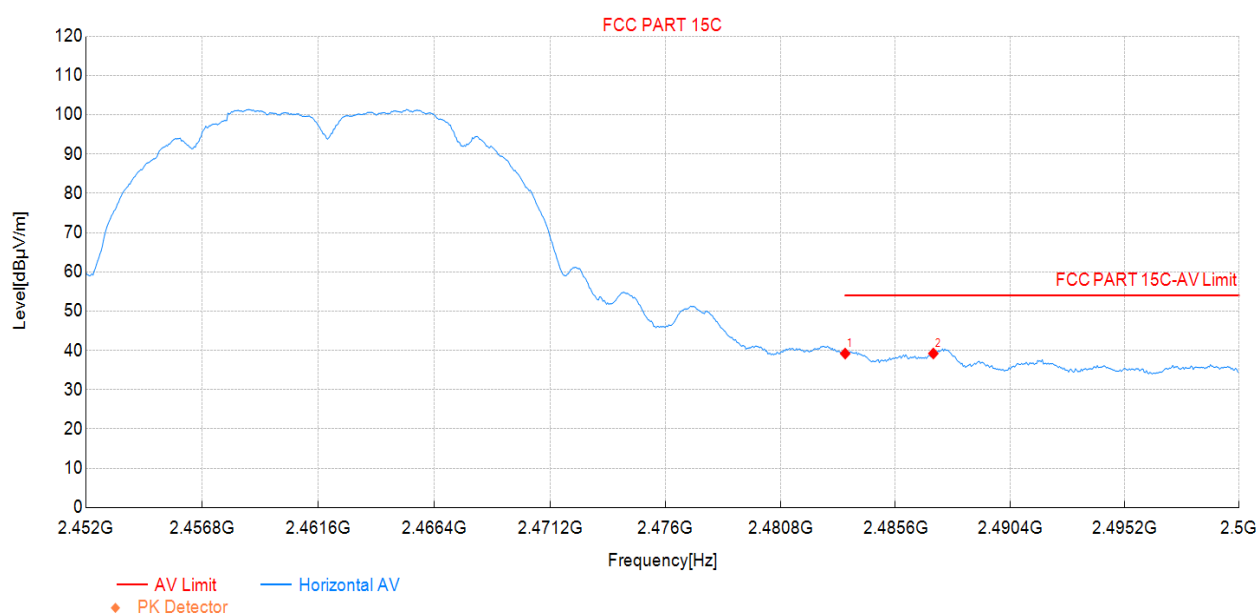


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	47.48	47.63	0.150	74.00	26.37	PK	Vertic	PASS
2	2484.64	47.54	47.69	0.150	74.00	26.31	PK	Vertic	PASS

Transmit at 2462MHz by 802.11b with Ant MAIN+AUX

Test Graph

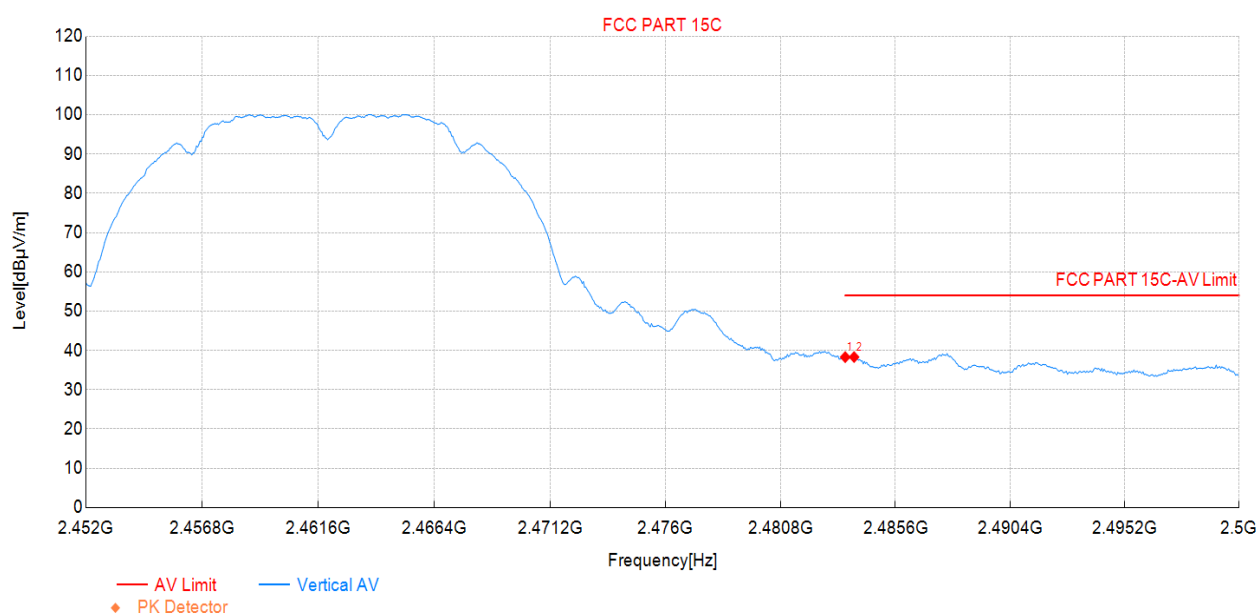


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	39.05	39.20	0.150	54.00	14.80	AV	Horizo	PASS
2	2487.18	39.06	39.22	0.160	54.00	14.78	AV	Horizo	PASS

Transmit at 2462MHz by 802.11b with Ant MAIN+AUX

Test Graph

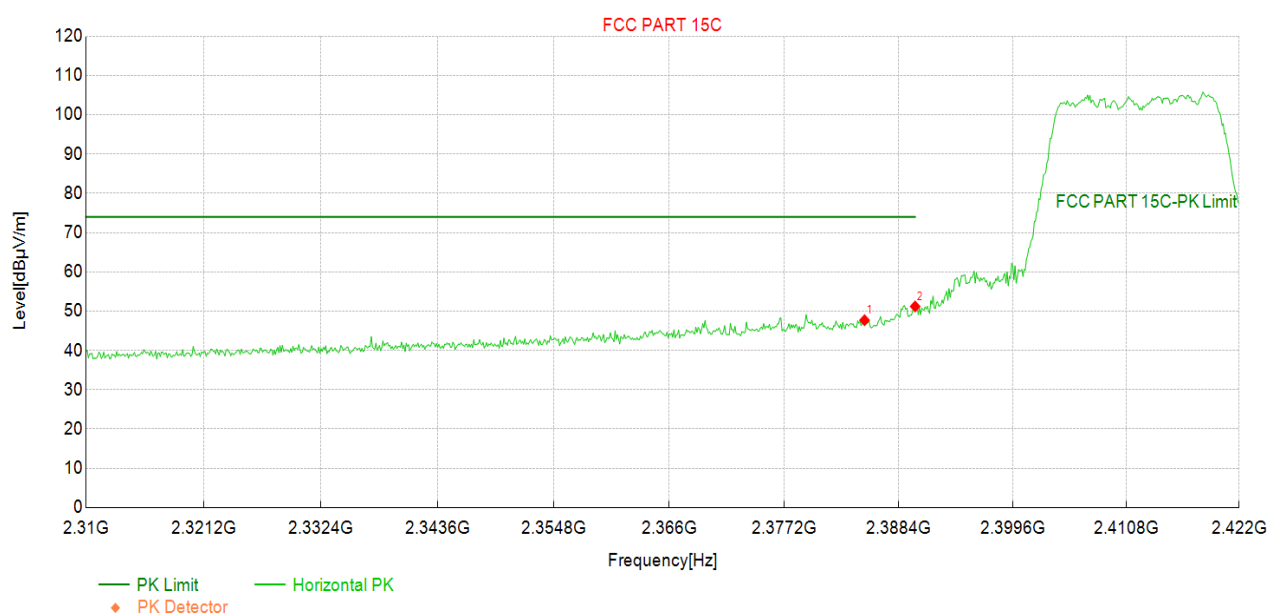


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	38.15	38.30	0.150	54.00	15.70	AV	Vertic	PASS
2	2483.87	38.16	38.31	0.150	54.00	15.69	AV	Vertic	PASS

Transmit at 2412MHz by 802.11g with Ant MAIN+AUX

Test Graph

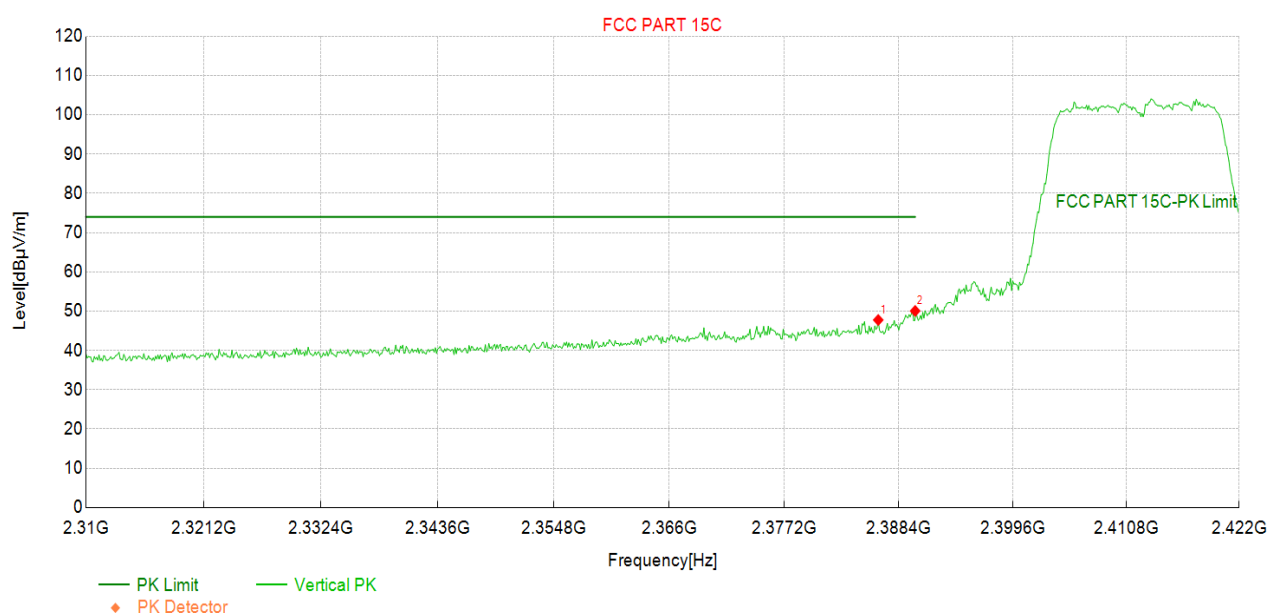


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2385.04	47.82	47.70	-0.120	74.00	26.30	PK	Horizo	PASS
2	2390.00	51.31	51.19	-0.120	74.00	22.81	PK	Horizo	PASS

Transmit at 2412MHz by 802.11g with Ant MAIN+AUX

Test Graph

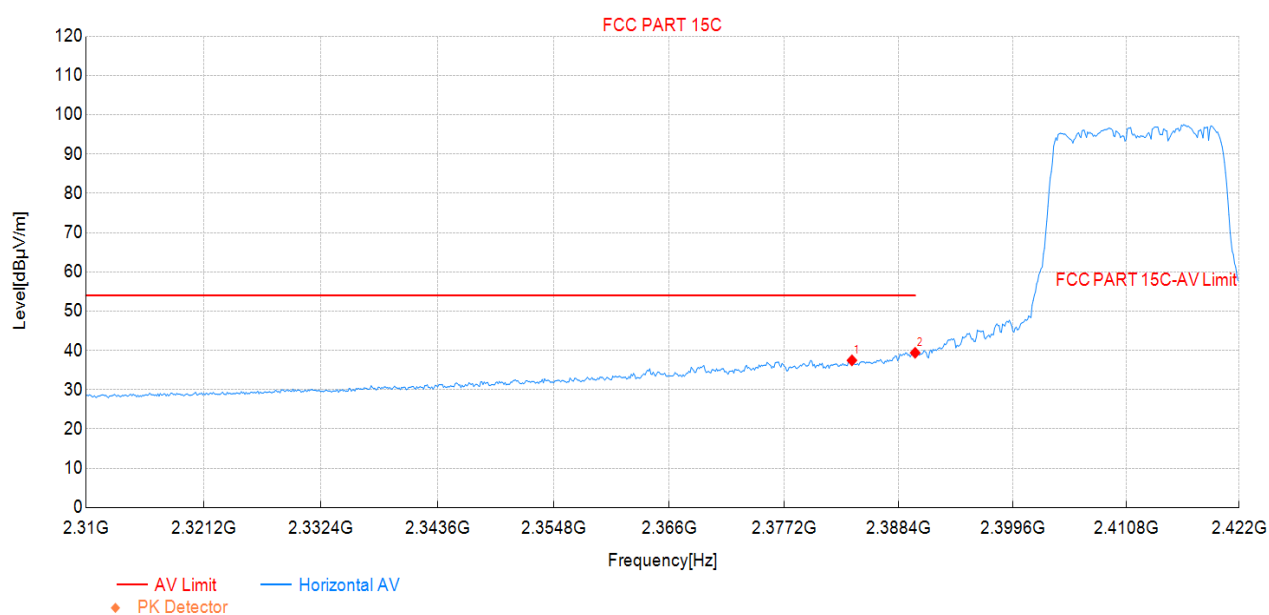


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2386.38	47.88	47.76	-0.120	74.00	26.24	PK	Vertic	PASS
2	2390.00	50.18	50.06	-0.120	74.00	23.94	PK	Vertic	PASS

Transmit at 2412MHz by 802.11g with Ant MAIN+AUX

Test Graph

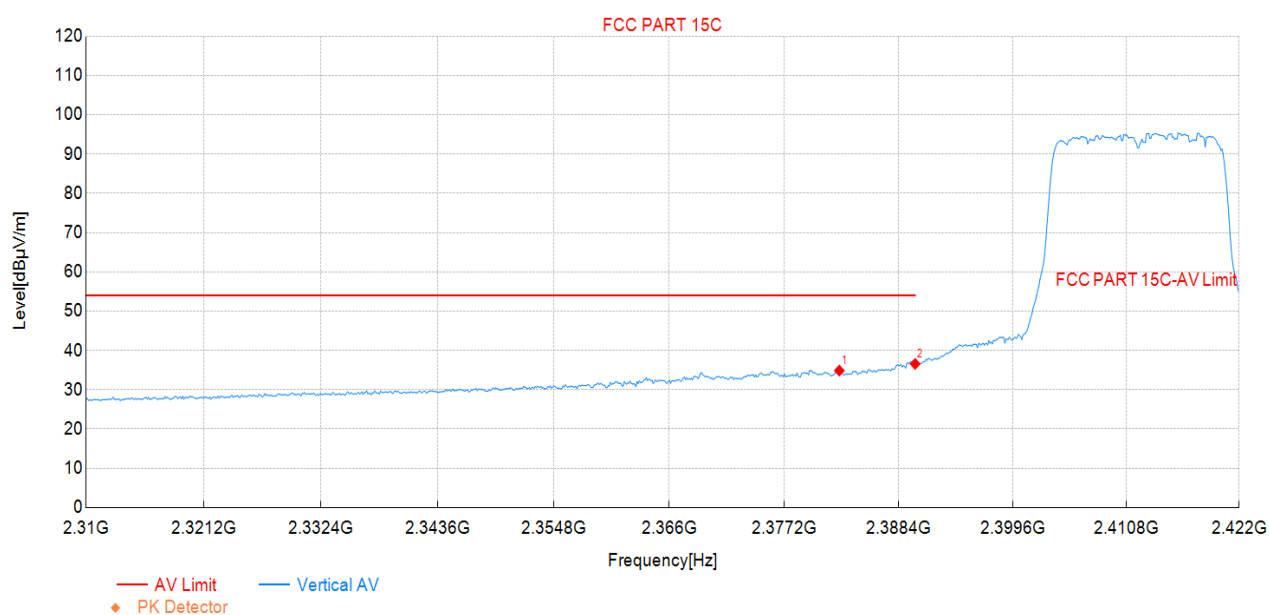


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2383.81	37.60	37.47	-0.130	54.00	16.53	AV	Horizo	PASS
2	2390.00	39.52	39.40	-0.120	54.00	14.60	AV	Horizo	PASS

Transmit at 2412MHz by 802.11g with Ant MAIN+AUX

Test Graph

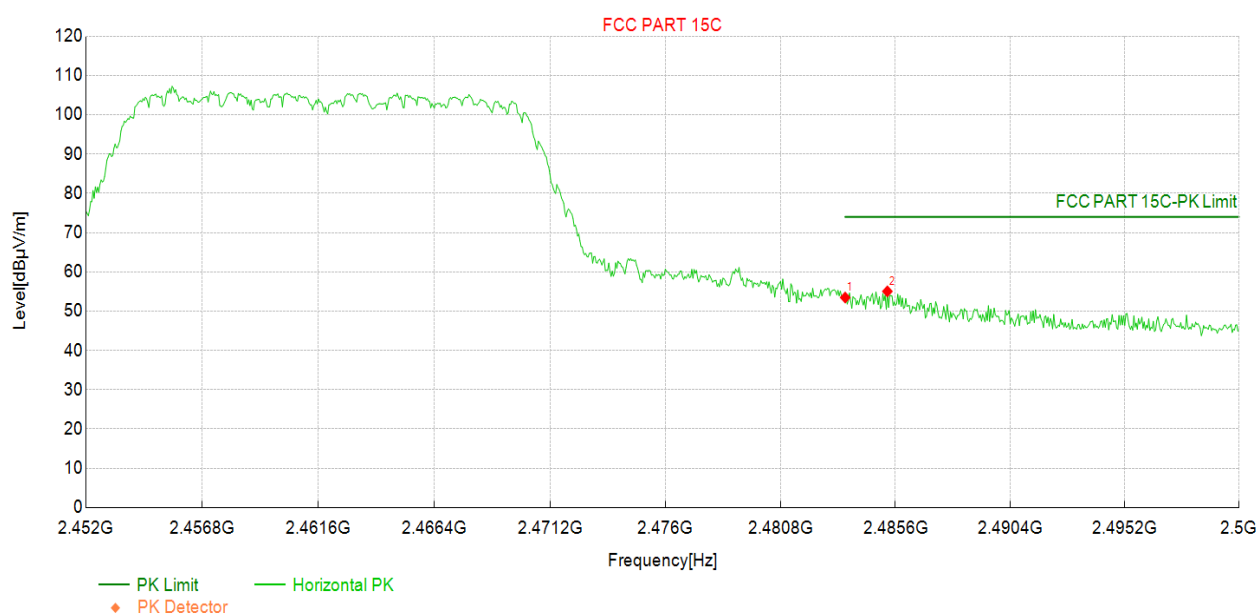


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2382.58	35.01	34.88	-0.130	54.00	19.12	AV	Vertic	PASS
2	2390.00	36.70	36.58	-0.120	54.00	17.42	AV	Vertic	PASS

Transmit at 2462MHz by 802.11g with Ant MAIN+AUX

Test Graph

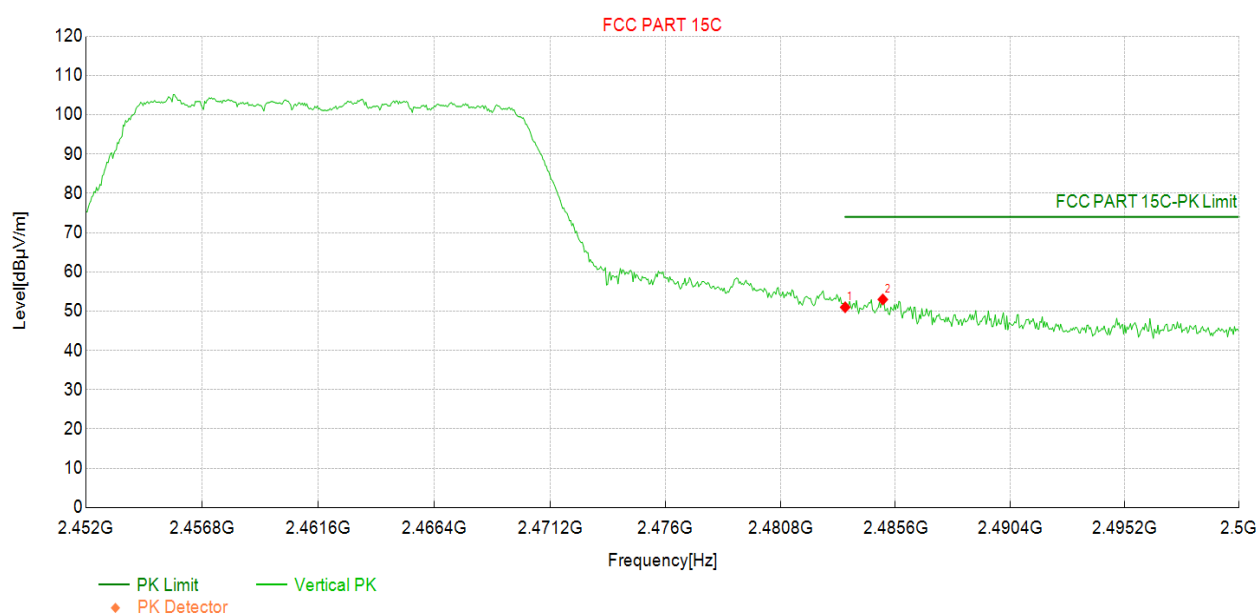


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	53.32	53.47	0.150	74.00	20.53	PK	Horizo	PASS
2	2485.26	54.88	55.04	0.160	74.00	18.96	PK	Horizo	PASS

Transmit at 2462MHz by 802.11g with Ant MAIN+AUX

Test Graph

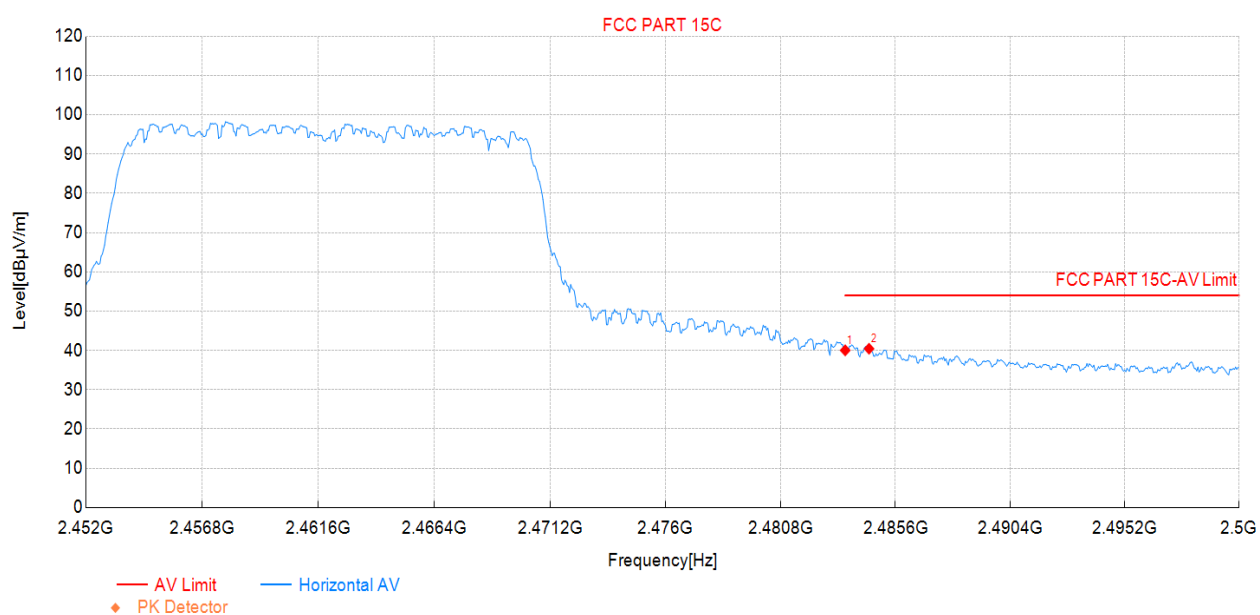


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	50.85	51.00	0.150	74.00	23.00	PK	Vertic	PASS
2	2485.07	52.82	52.98	0.160	74.00	21.02	PK	Vertic	PASS

Transmit at 2462MHz by 802.11g with Ant MAIN+AUX

Test Graph

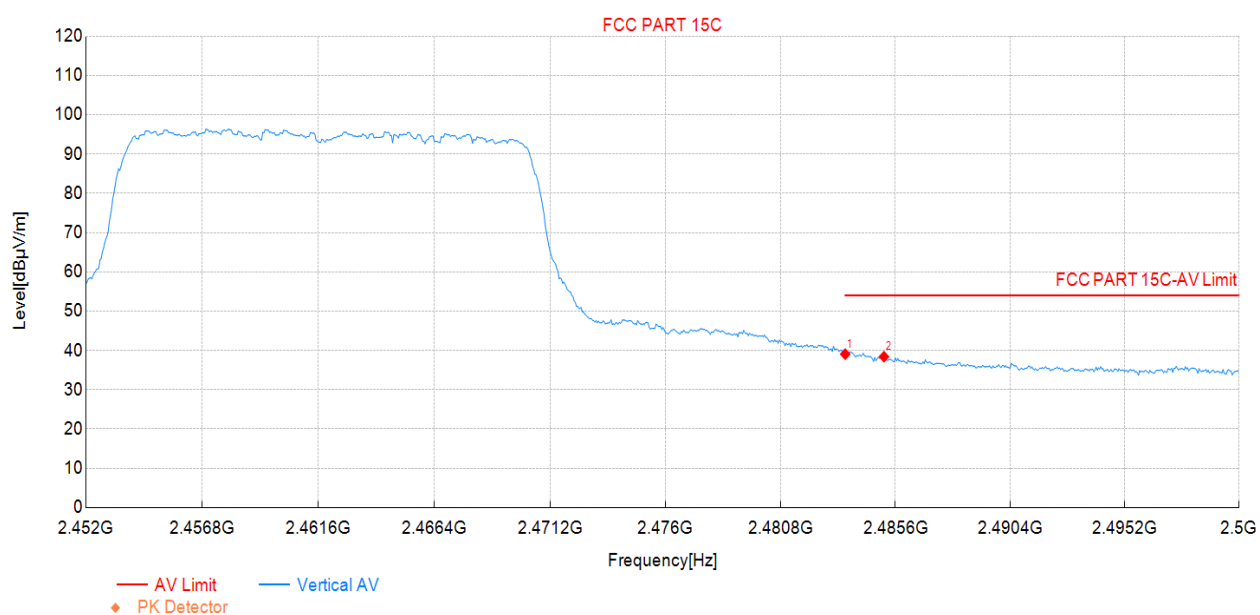


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	39.88	40.03	0.150	54.00	13.97	AV	Horizo	PASS
2	2484.50	40.29	40.44	0.150	54.00	13.56	AV	Horizo	PASS

Transmit at 2462MHz by 802.11g with Ant MAIN+AUX

Test Graph

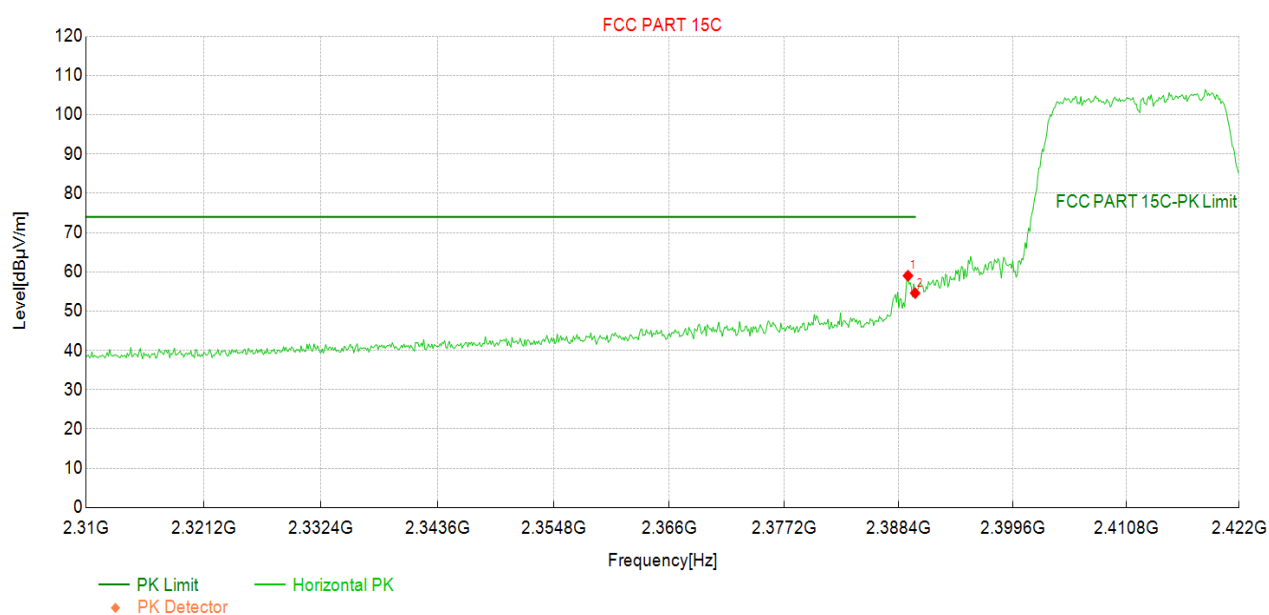


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	38.91	39.06	0.150	54.00	14.94	AV	Vertic	PASS
2	2485.12	38.25	38.41	0.160	54.00	15.59	AV	Vertic	PASS

Transmit at 2412MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

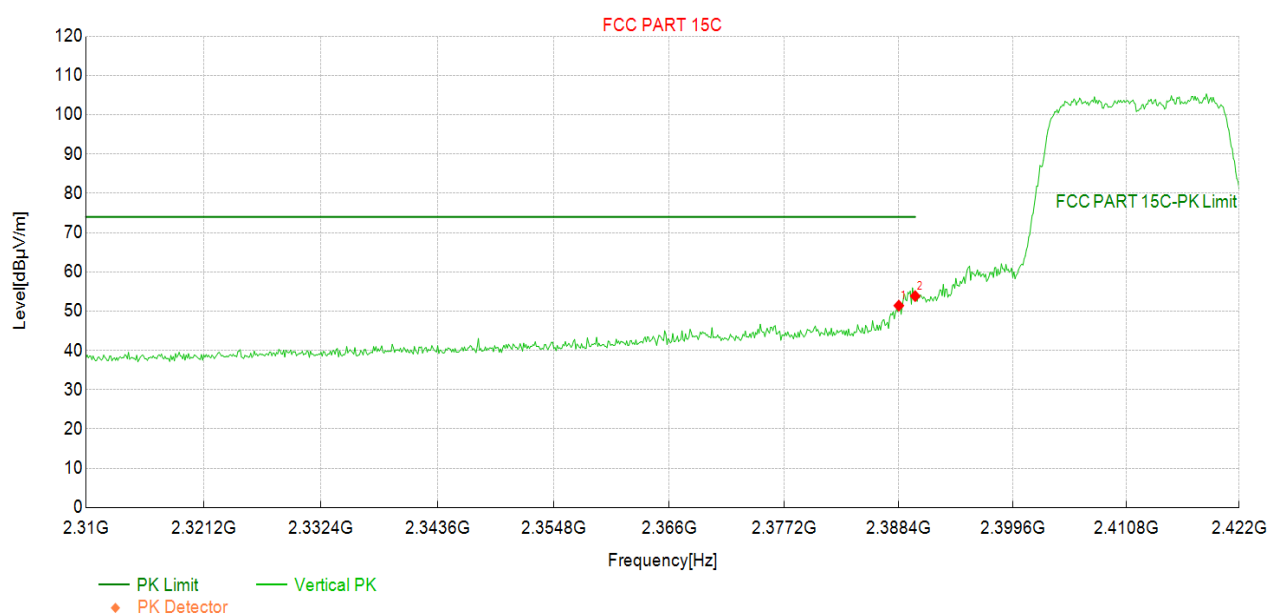


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2389.30	59.14	59.02	-0.120	74.00	14.98	PK	Horizo	PASS
2	2390.00	54.71	54.59	-0.120	74.00	19.41	PK	Horizo	PASS

Transmit at 2412MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

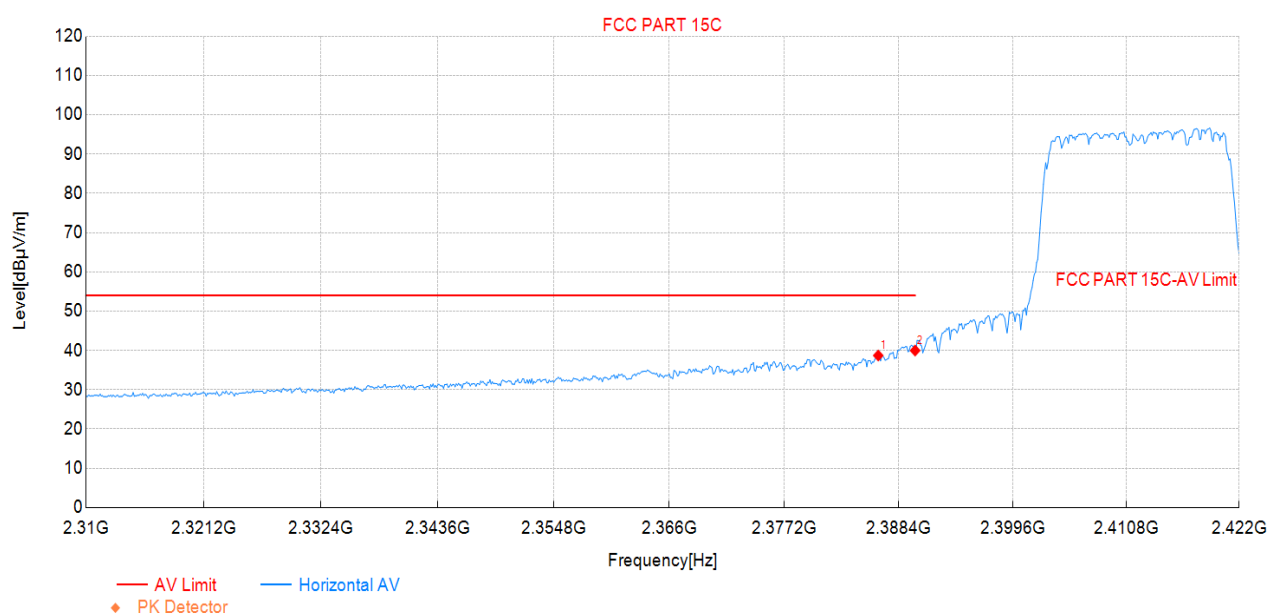


Data List

NO	Frequency [MHz]	Reading [dB μ V]	Level [dB μ V/m]	Factor [dB/m]	Limit [dB μ V/m]	Margin [dB]	Det	Pol	Verdict
1	2388.40	51.54	51.42	-0.120	74.00	22.58	PK	Vertic	PASS
2	2390.00	53.96	53.84	-0.120	74.00	20.16	PK	Vertic	PASS

Transmit at 2412MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

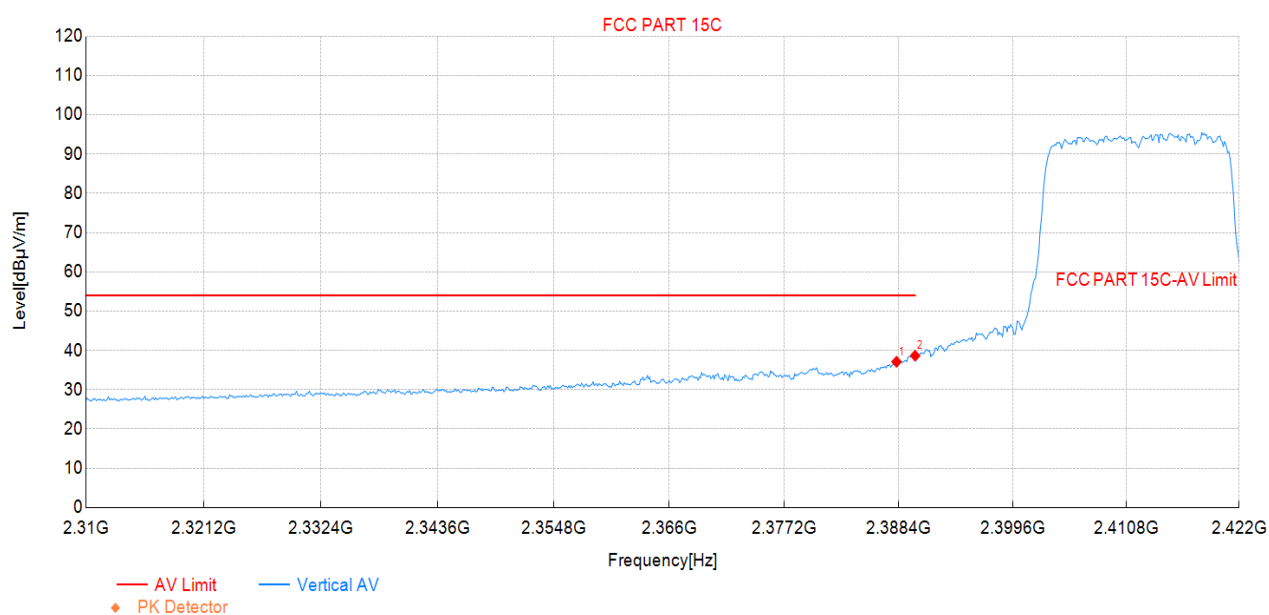


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2386.38	38.83	38.71	-0.120	54.00	15.29	AV	Horizo	PASS
2	2390.00	40.10	39.98	-0.120	54.00	14.02	AV	Horizo	PASS

Transmit at 2412MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

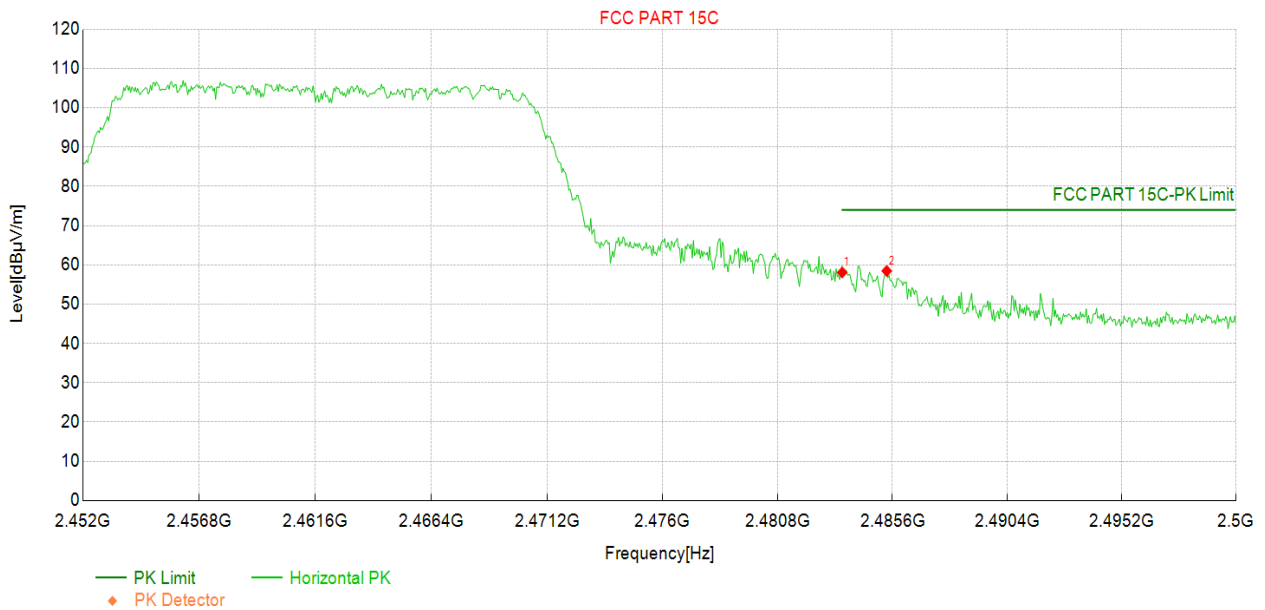


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2388.18	37.24	37.12	-0.120	54.00	16.88	AV	Vertic	PASS
2	2390.00	38.78	38.66	-0.120	54.00	15.34	AV	Vertic	PASS

Transmit at 2462MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

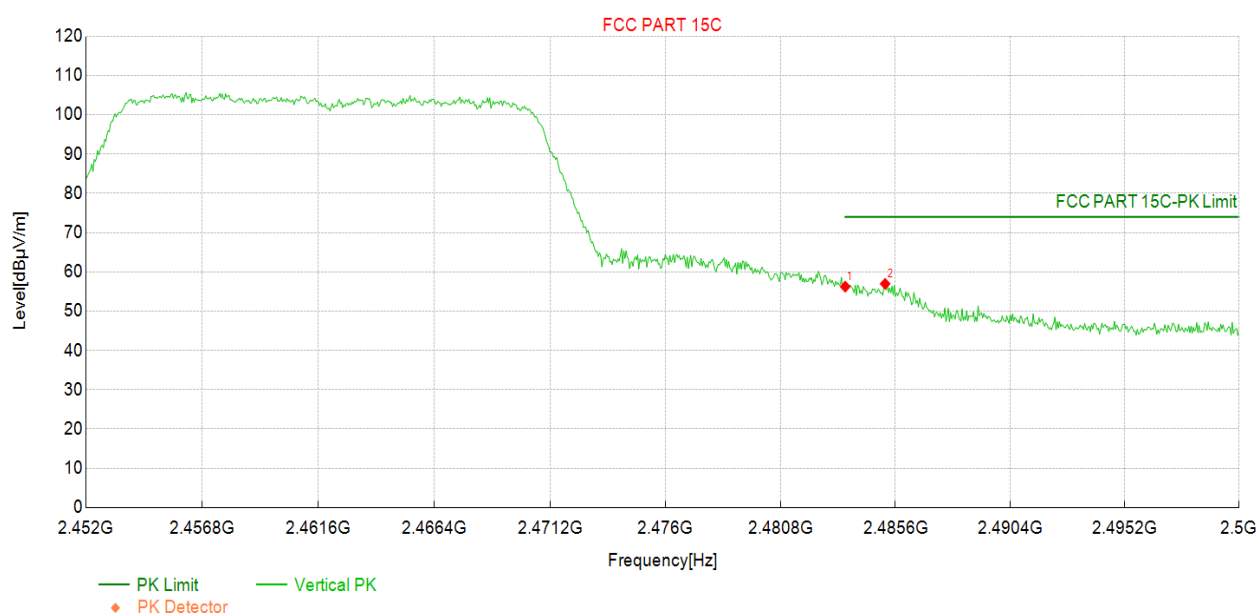


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	57.92	58.07	0.150	74.00	15.93	PK	Horizo	PASS
2	2485.36	58.30	58.46	0.160	74.00	15.54	PK	Horizo	PASS

Transmit at 2462MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

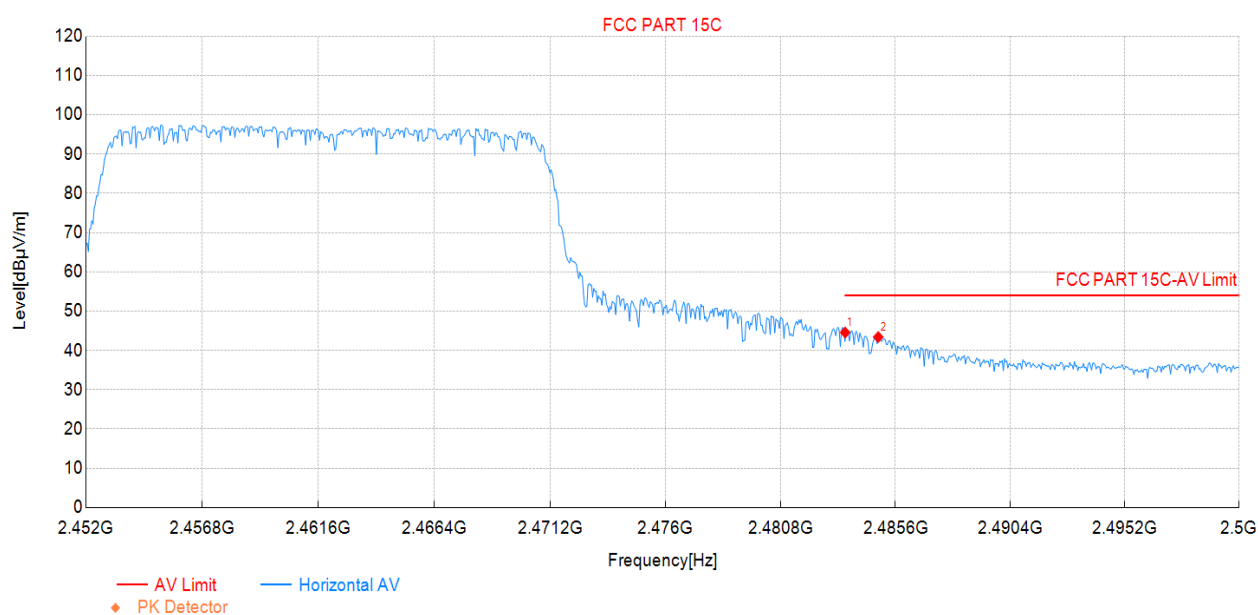


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	56.09	56.24	0.150	74.00	17.76	PK	Vertic	PASS
2	2485.17	56.81	56.97	0.160	74.00	17.03	PK	Vertic	PASS

Transmit at 2462MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

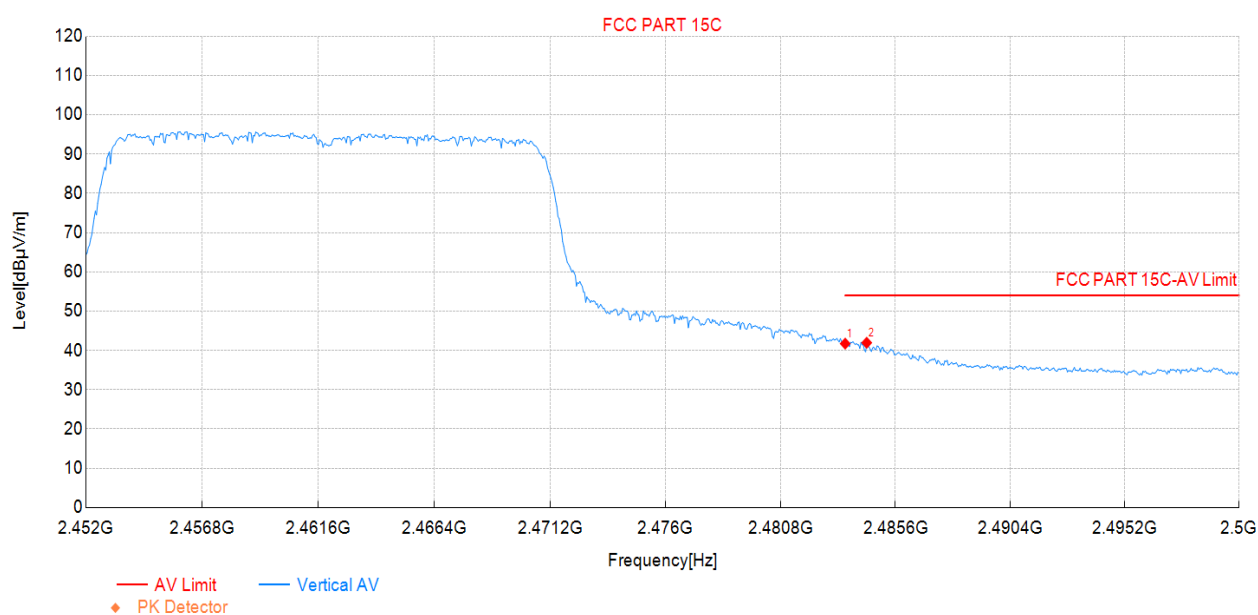


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	44.43	44.58	0.150	54.00	9.42	AV	Horizo	PASS
2	2484.88	43.26	43.41	0.150	54.00	10.59	AV	Horizo	PASS

Transmit at 2462MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

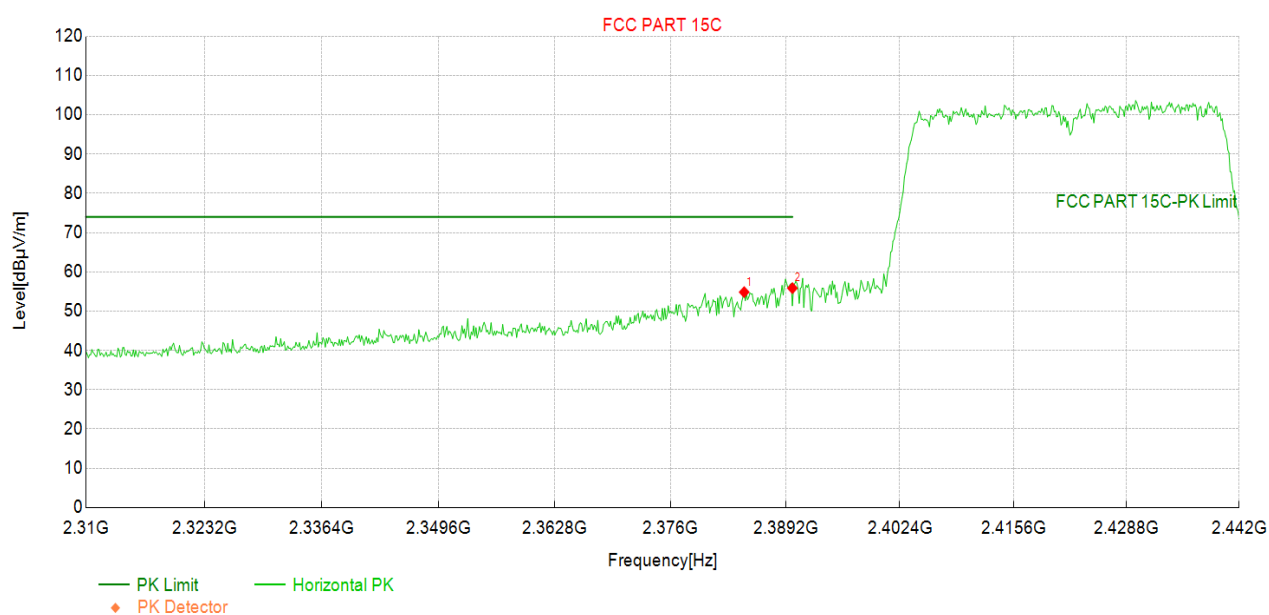


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	41.59	41.74	0.150	54.00	12.26	AV	Vertic	PASS
2	2484.40	41.81	41.96	0.150	54.00	12.04	AV	Vertic	PASS

Transmit at 2422MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

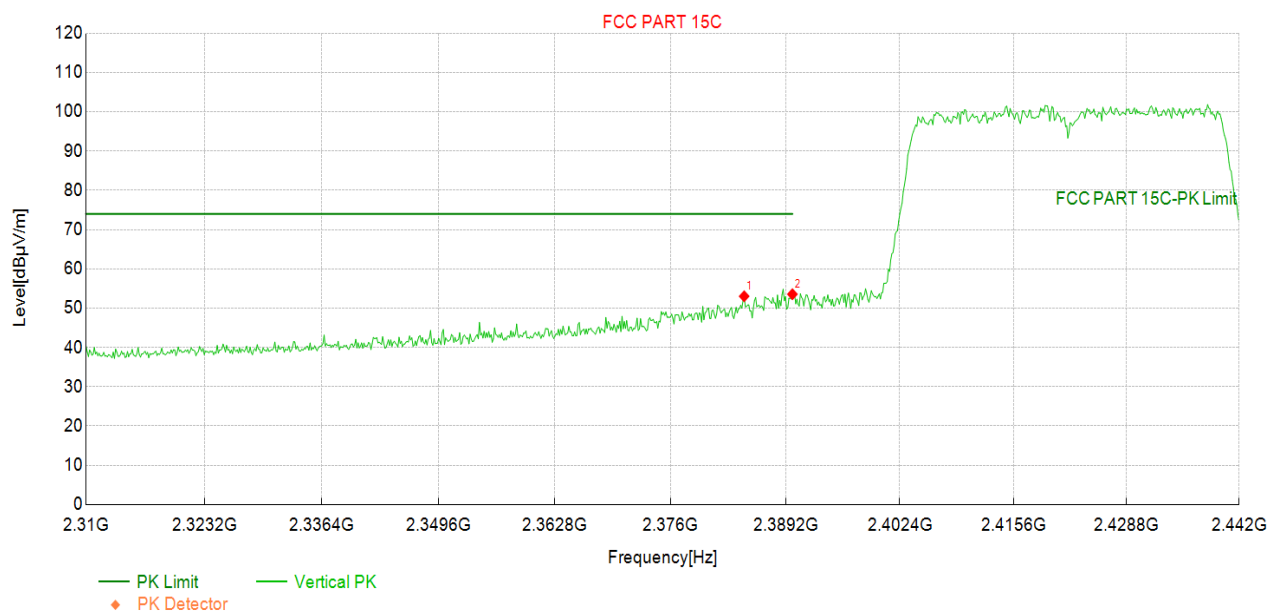


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2384.45	54.97	54.85	-0.120	74.00	19.15	PK	Horizo	PASS
2	2390.00	55.98	55.86	-0.120	74.00	18.14	PK	Horizo	PASS

Transmit at 2422MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

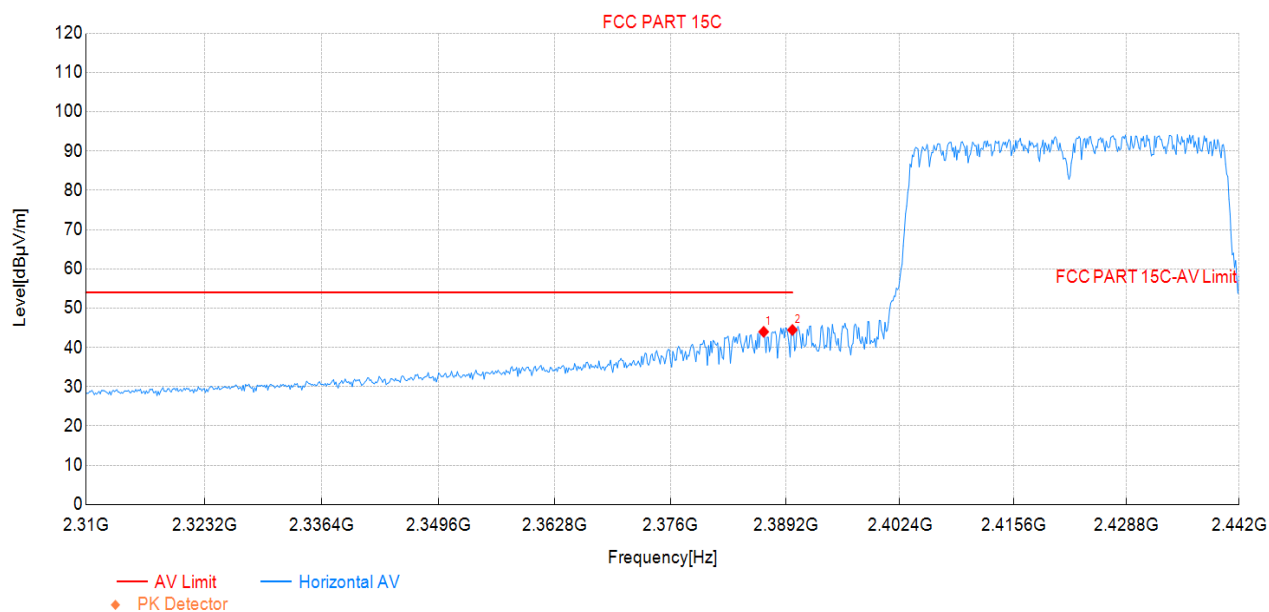


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2384.45	53.15	53.03	-0.120	74.00	20.97	PK	Vertic	PASS
2	2390.00	53.68	53.56	-0.120	74.00	20.44	PK	Vertic	PASS

Transmit at 2422MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

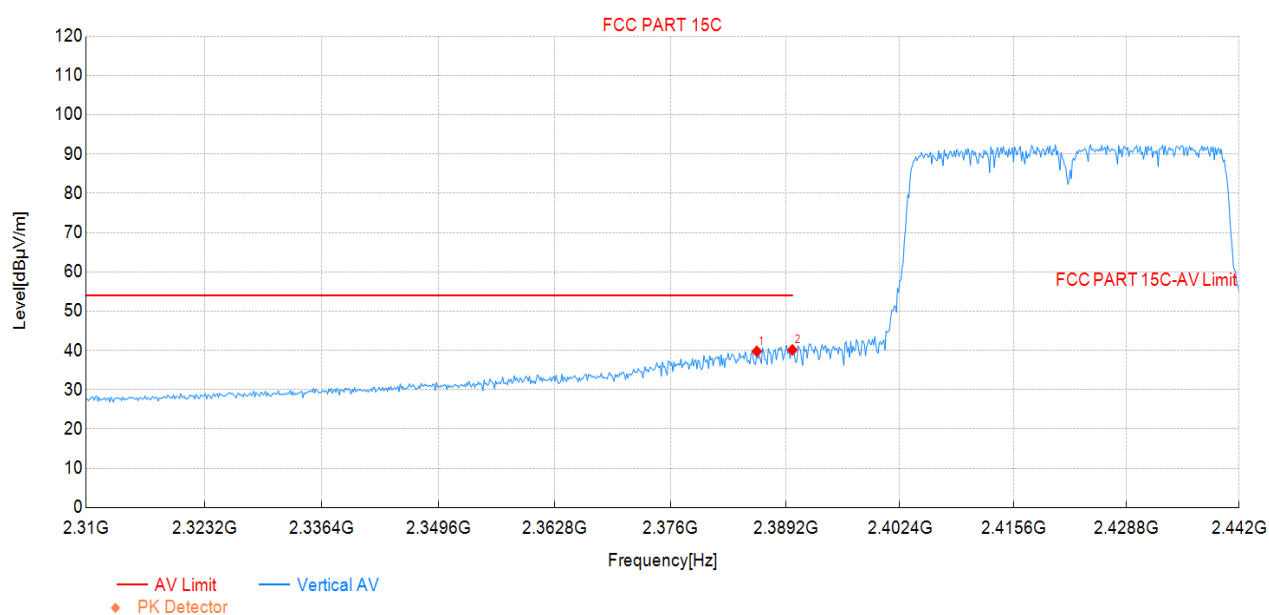


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2386.69	44.10	43.98	-0.120	54.00	10.02	AV	Horizo	PASS
2	2390.00	44.58	44.46	-0.120	54.00	9.54	AV	Horizo	PASS

Transmit at 2422MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

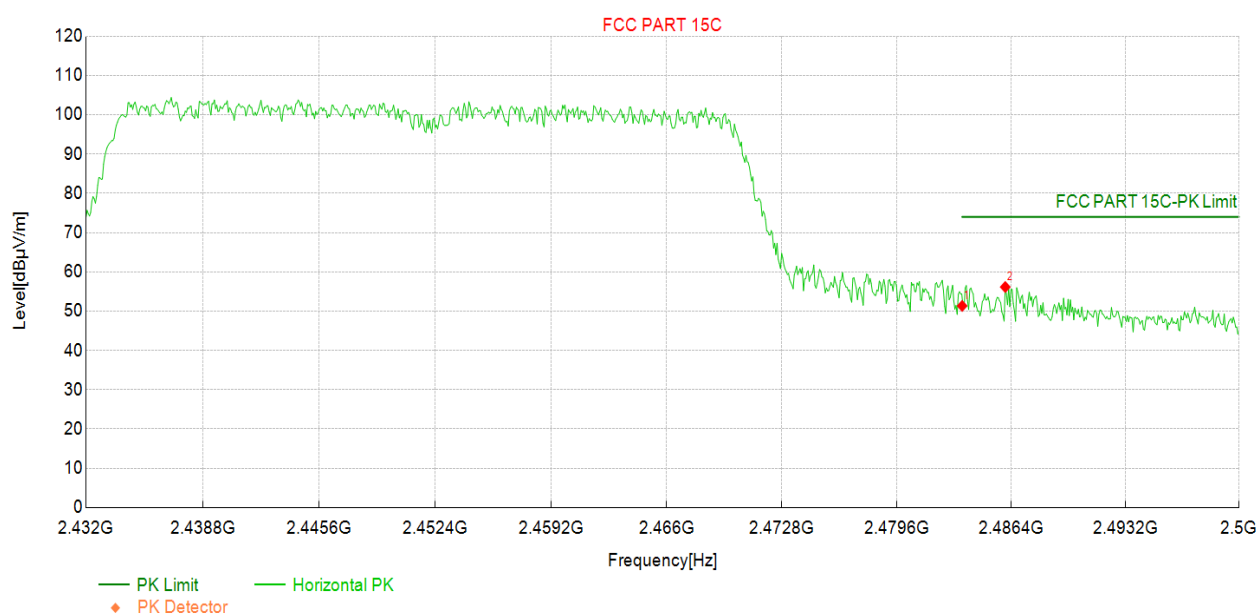


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2385.90	39.90	39.78	-0.120	54.00	14.22	AV	Vertic	PASS
2	2390.00	40.25	40.13	-0.120	54.00	13.87	AV	Vertic	PASS

Transmit at 2452MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

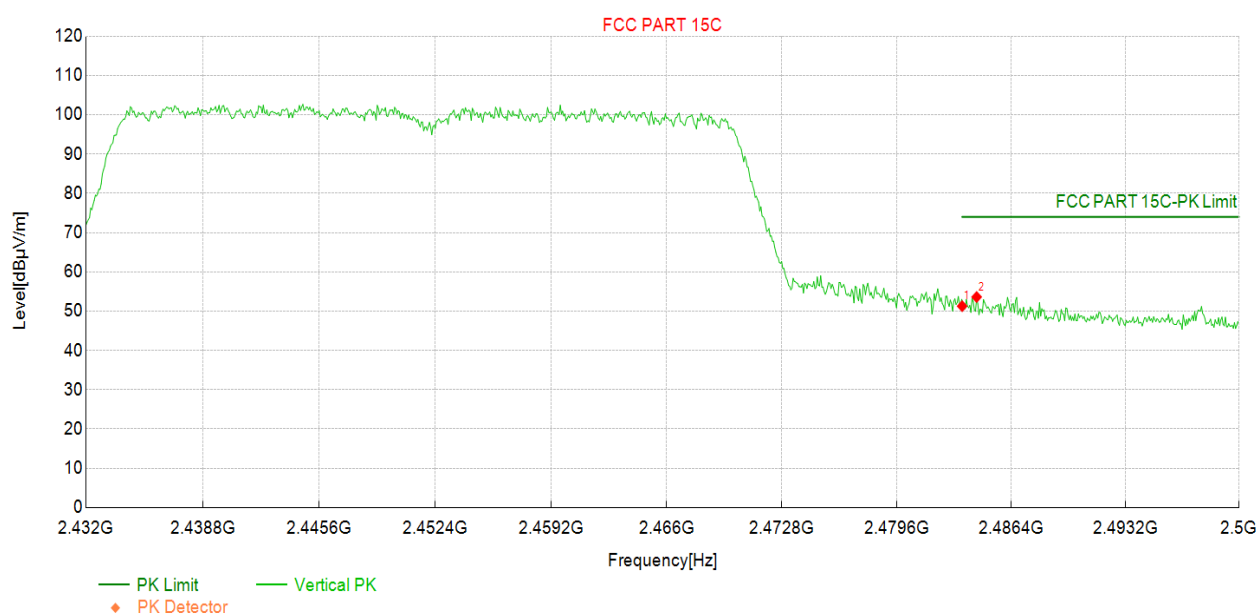


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	51.19	51.34	0.150	74.00	22.66	PK	Horizo	PASS
2	2486.06	55.99	56.15	0.160	74.00	17.85	PK	Horizo	PASS

Transmit at 2452MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

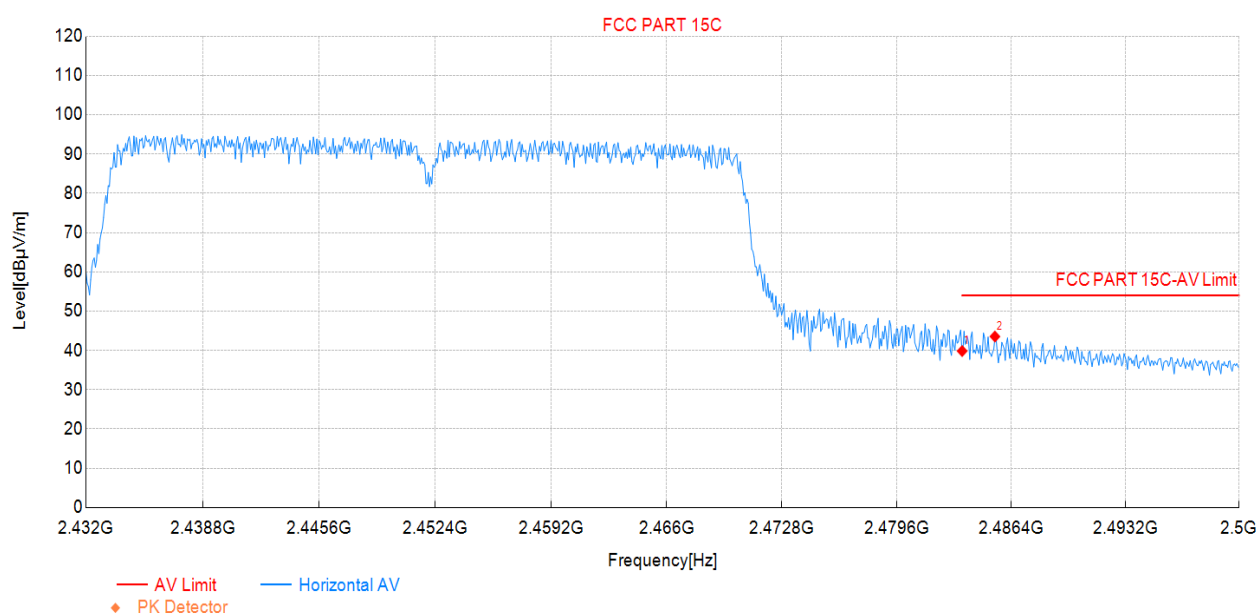


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	51.13	51.28	0.150	74.00	22.72	PK	Vertic	PASS
2	2484.36	53.46	53.61	0.150	74.00	20.39	PK	Vertic	PASS

Transmit at 2452MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

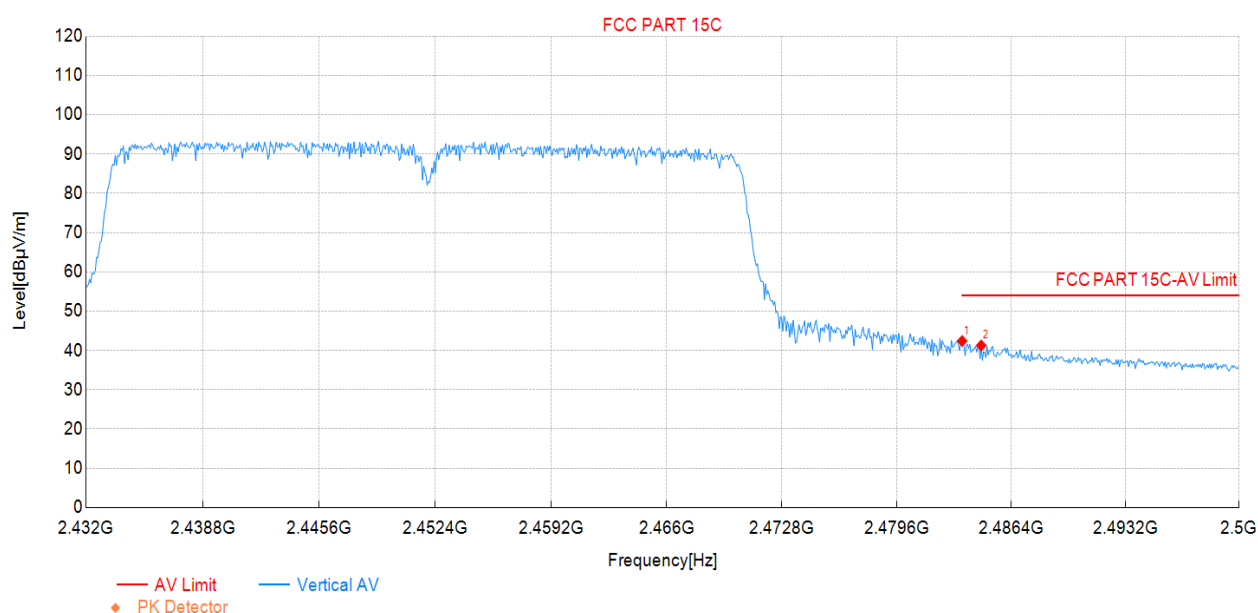


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	39.70	39.85	0.150	54.00	14.15	AV	Horizo	PASS
2	2485.45	43.39	43.55	0.160	54.00	10.45	AV	Horizo	PASS

Transmit at 2452MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

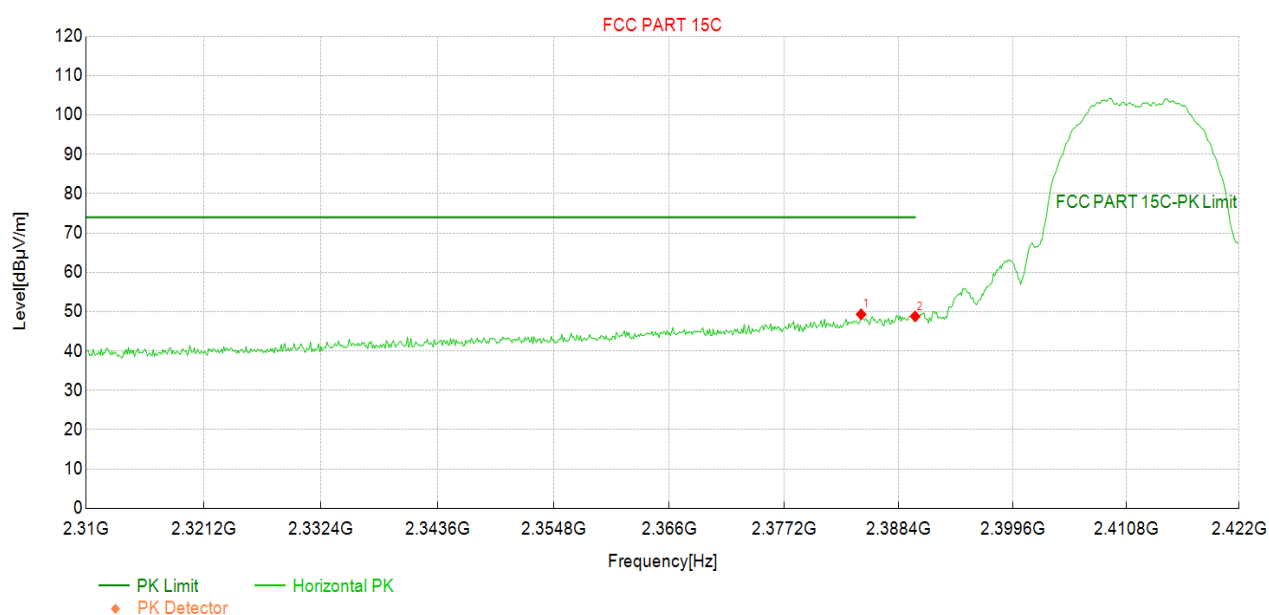
Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	42.26	42.41	0.150	54.00	11.59	AV	Vertic	PASS
2	2484.63	41.13	41.28	0.150	54.00	12.72	AV	Vertic	PASS

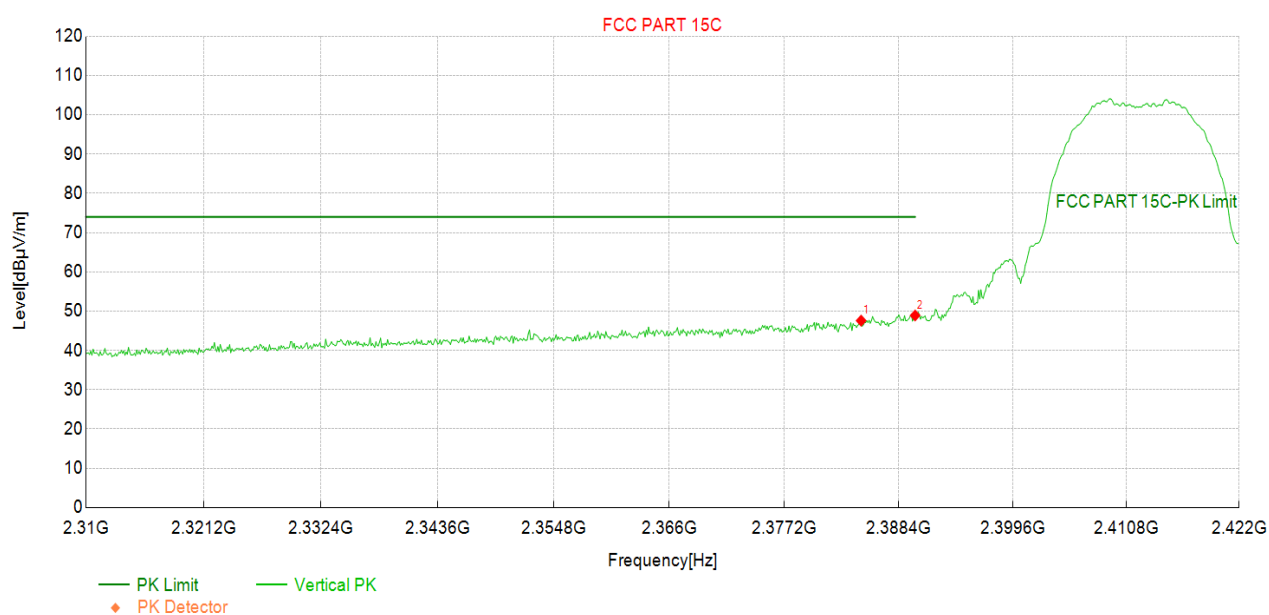
Note: Level = Reading + Factor (Antenna factor + Amplifier factor + Cable loss)

INNOWAVE Antenna:**Transmit at 2412MHz by 802.11b with Ant MAIN+AUX***Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2384.70	49.46	49.34	-0.120	74.00	24.66	PK	Horizo	PASS
2	2390.00	48.91	48.79	-0.120	74.00	25.21	PK	Horizo	PASS

Transmit at 2412MHz by 802.11b with Ant MAIN+AUX

Test Graph

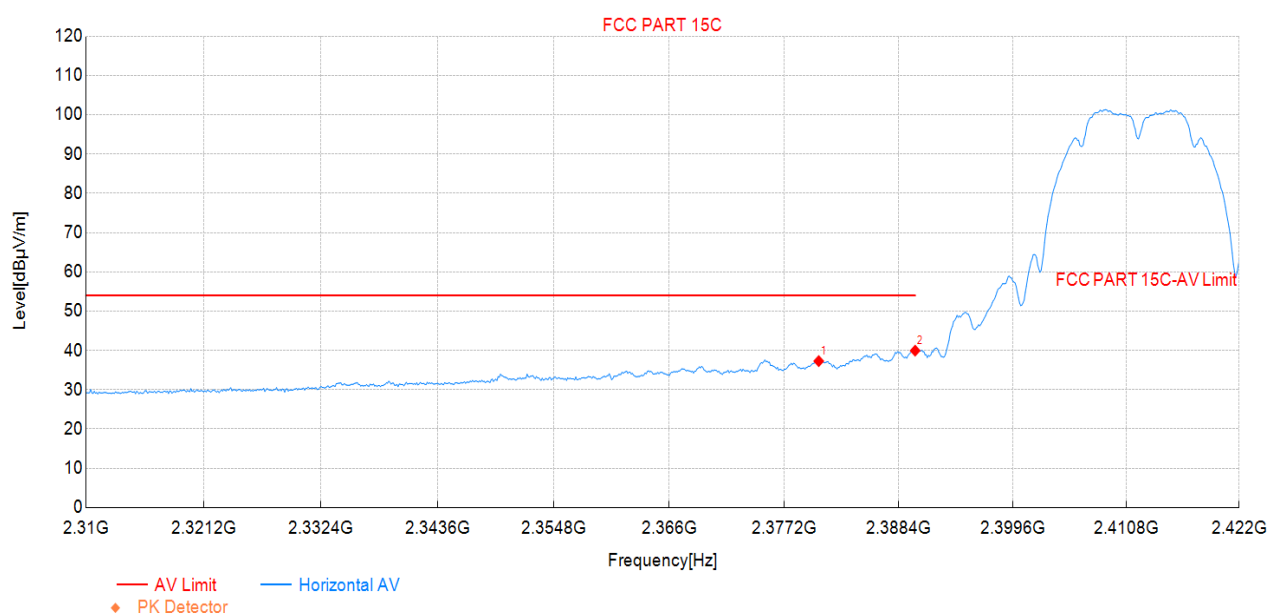


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2384.70	47.71	47.59	-0.120	74.00	26.41	PK	Vertic	PASS
2	2390.00	49.02	48.90	-0.120	74.00	25.10	PK	Vertic	PASS

Transmit at 2412MHz by 802.11b with Ant MAIN+AUX

Test Graph

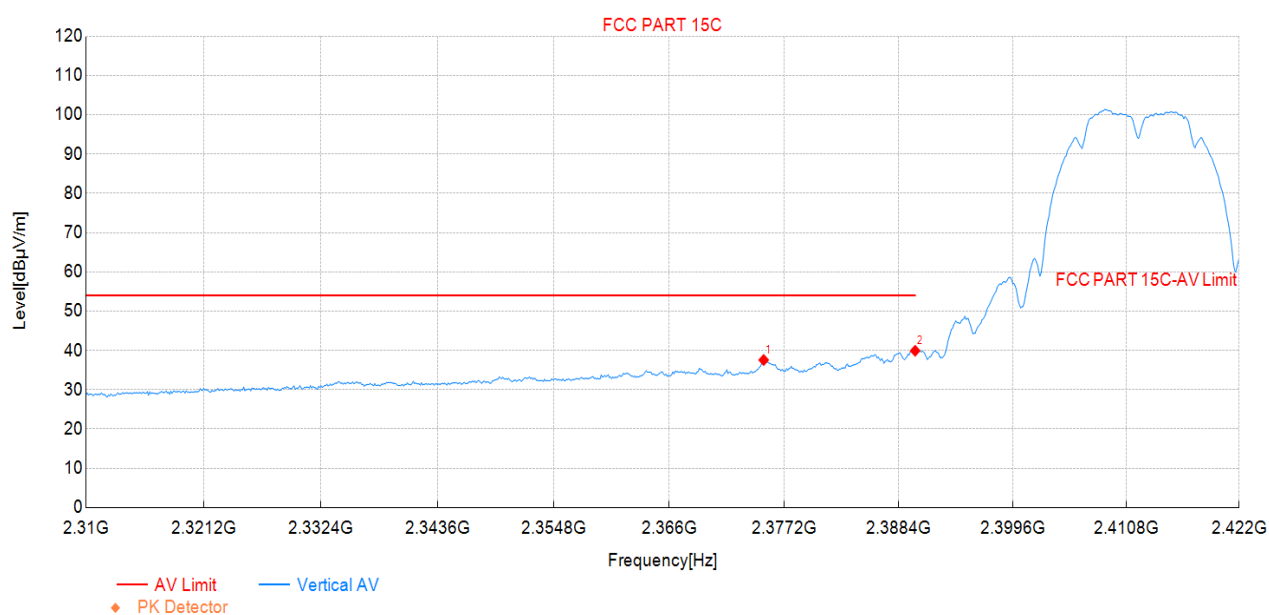


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2380.56	37.42	37.29	-0.130	54.00	16.71	AV	Horizo	PASS
2	2390.00	40.07	39.95	-0.120	54.00	14.05	AV	Horizo	PASS

Transmit at 2412MHz by 802.11b with Ant MAIN+AUX

Test Graph

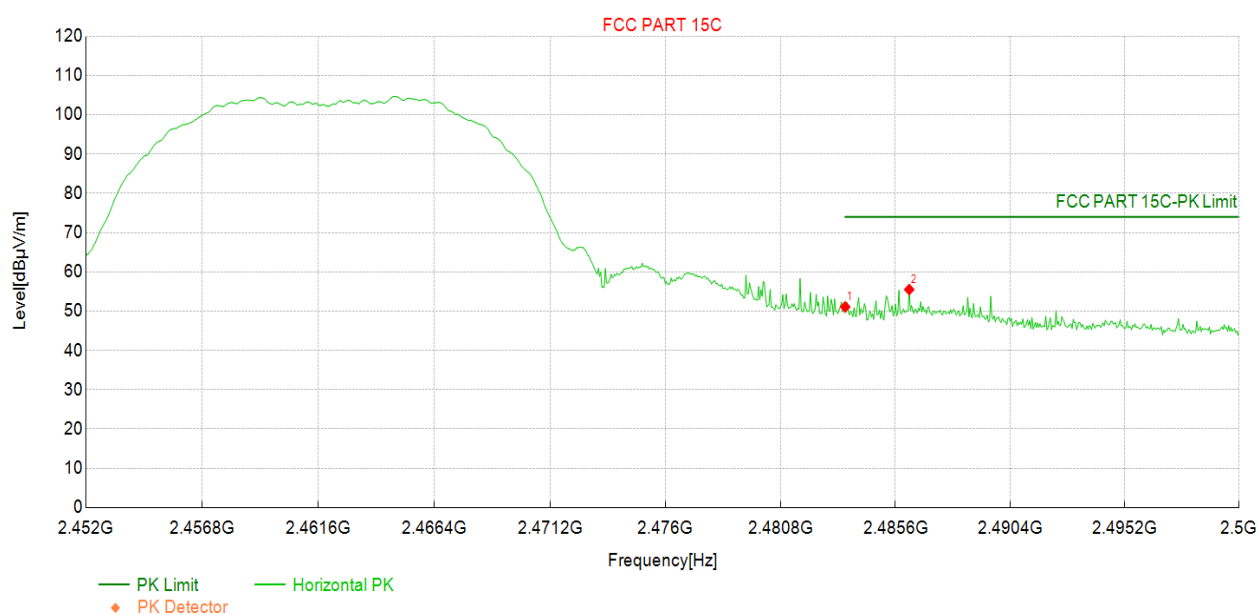


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2375.18	37.72	37.58	-0.140	54.00	16.42	AV	Vertic	PASS
2	2390.00	40.04	39.92	-0.120	54.00	14.08	AV	Vertic	PASS

Transmit at 2462MHz by 802.11b with Ant MAIN+AUX

Test Graph

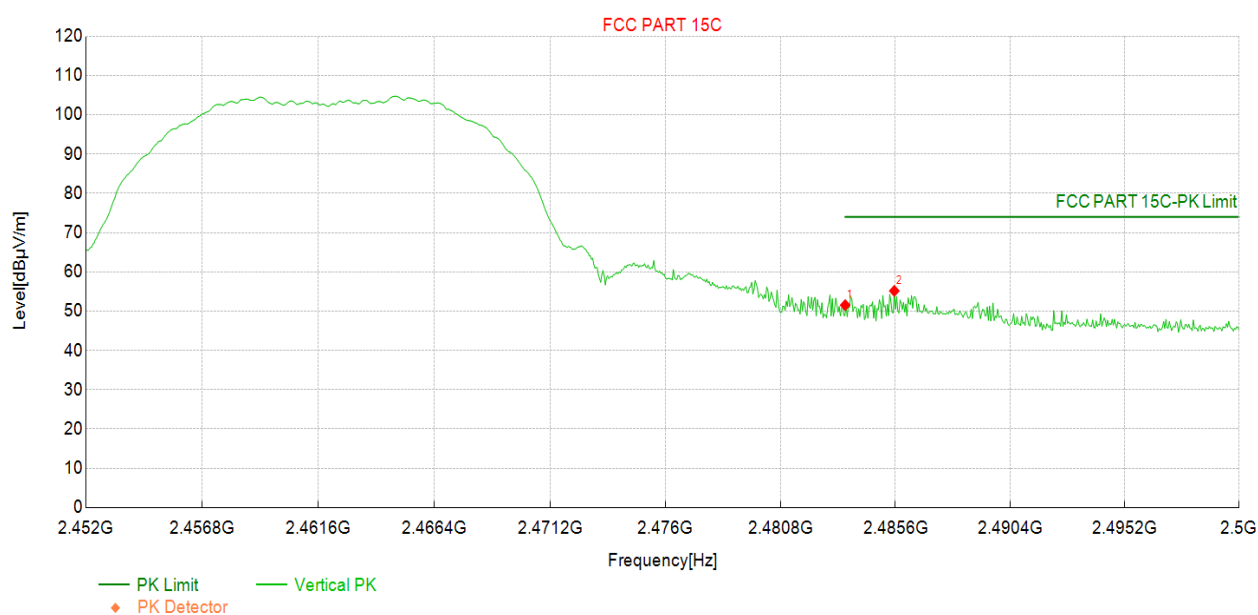


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	50.93	51.08	0.150	74.00	22.92	PK	Horizo	PASS
2	2486.18	55.34	55.50	0.160	74.00	18.50	PK	Horizo	PASS

Transmit at 2462MHz by 802.11b with Ant MAIN+AUX

Test Graph

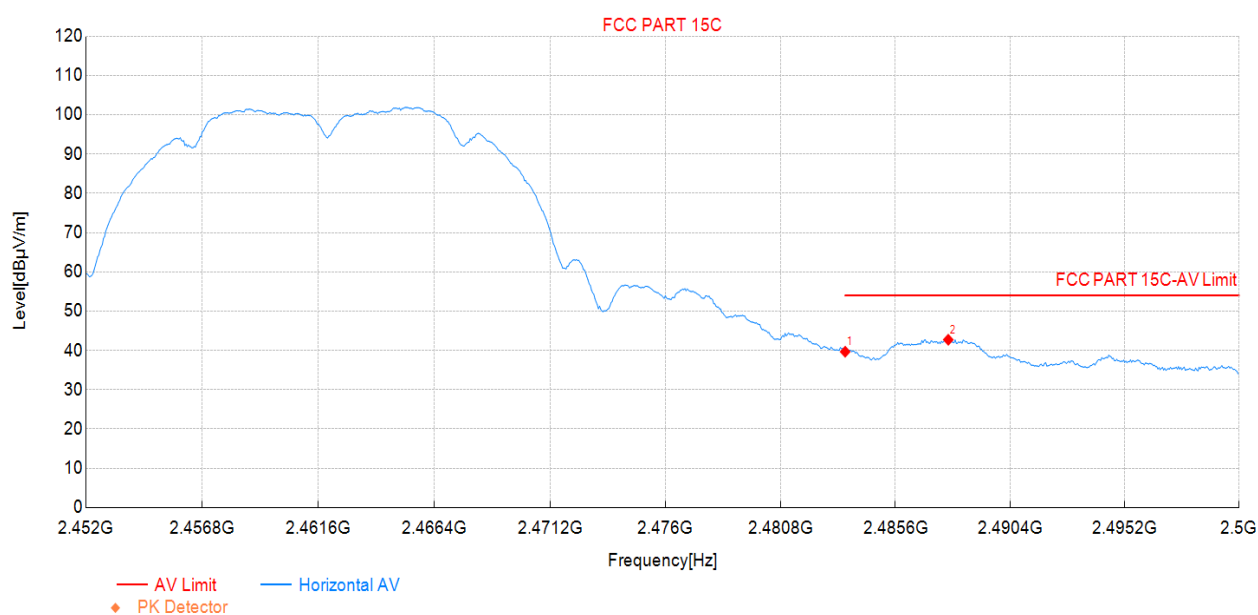


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	51.39	51.54	0.150	74.00	22.46	PK	Vertic	PASS
2	2485.55	55.00	55.16	0.160	74.00	18.84	PK	Vertic	PASS

Transmit at 2462MHz by 802.11b with Ant MAIN+AUX

Test Graph

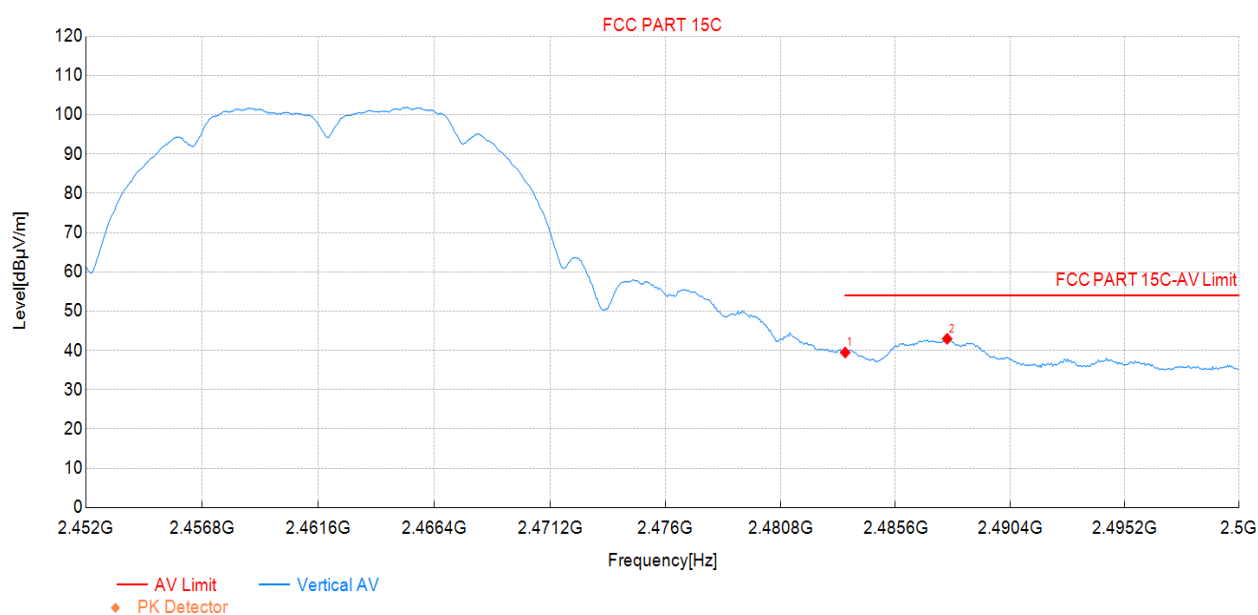


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	39.52	39.67	0.150	54.00	14.33	AV	Horizo	PASS
2	2487.81	42.56	42.72	0.160	54.00	11.28	AV	Horizo	PASS

Transmit at 2462MHz by 802.11b with Ant MAIN+AUX

Test Graph

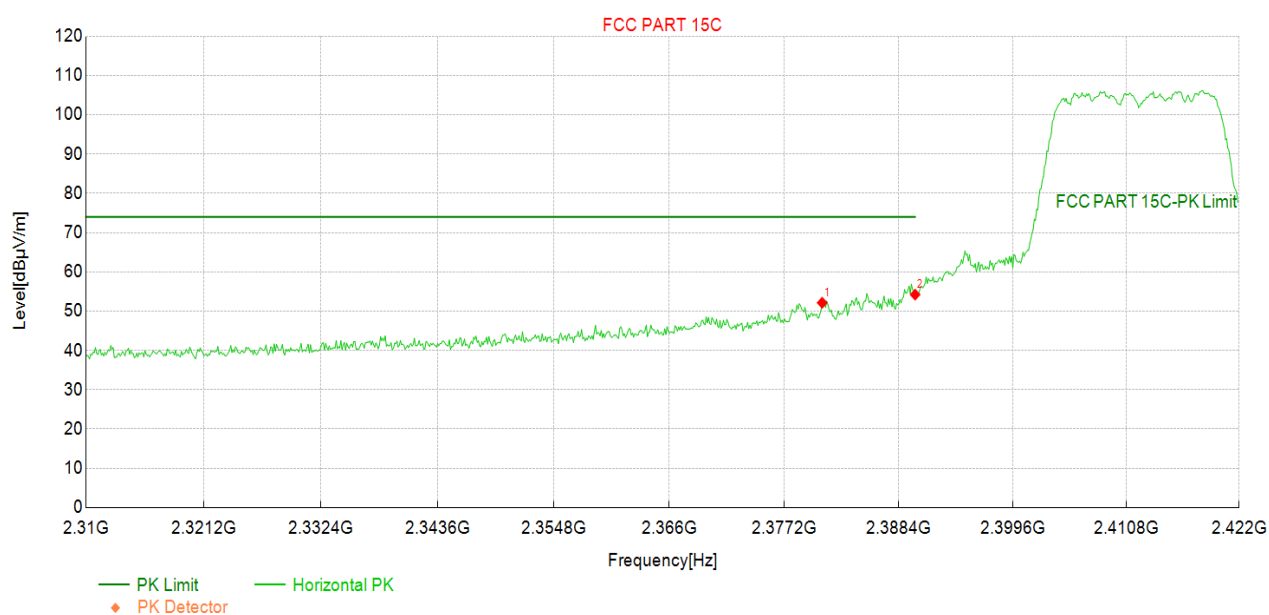


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	39.33	39.48	0.150	54.00	14.52	AV	Vertic	PASS
2	2487.76	42.80	42.96	0.160	54.00	11.04	AV	Vertic	PASS

Transmit at 2412MHz by 802.11g with Ant MAIN+AUX

Test Graph

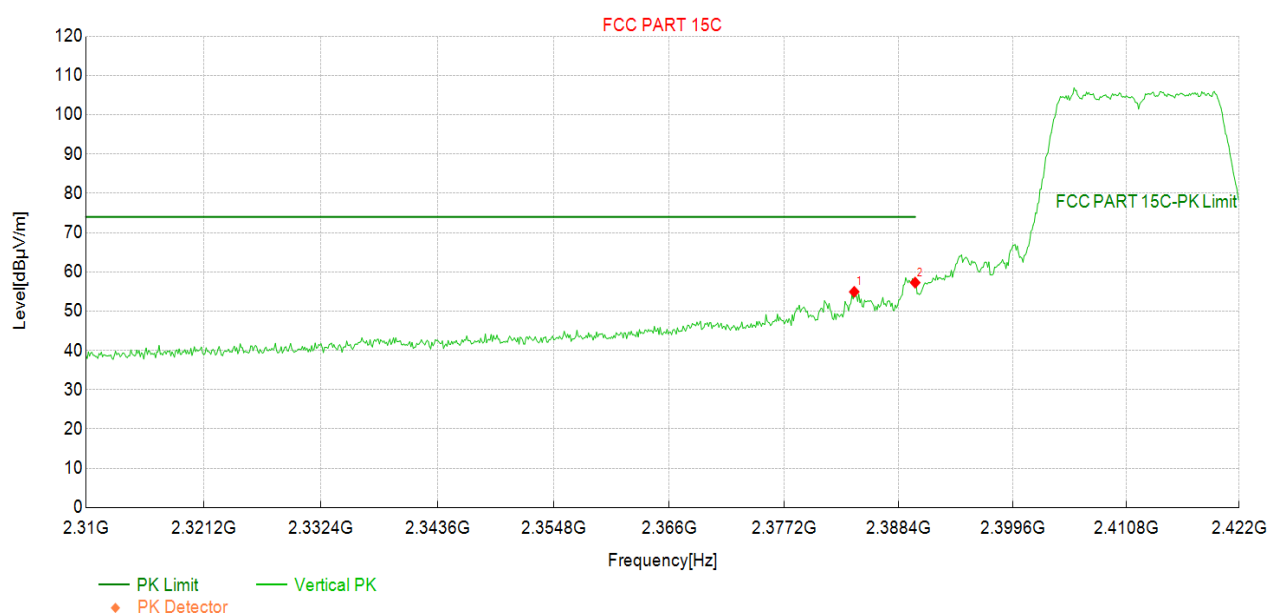


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2380.90	52.27	52.14	-0.130	74.00	21.86	PK	Horizo	PASS
2	2390.00	54.33	54.21	-0.120	74.00	19.79	PK	Horizo	PASS

Transmit at 2412MHz by 802.11g with Ant MAIN+AUX

Test Graph

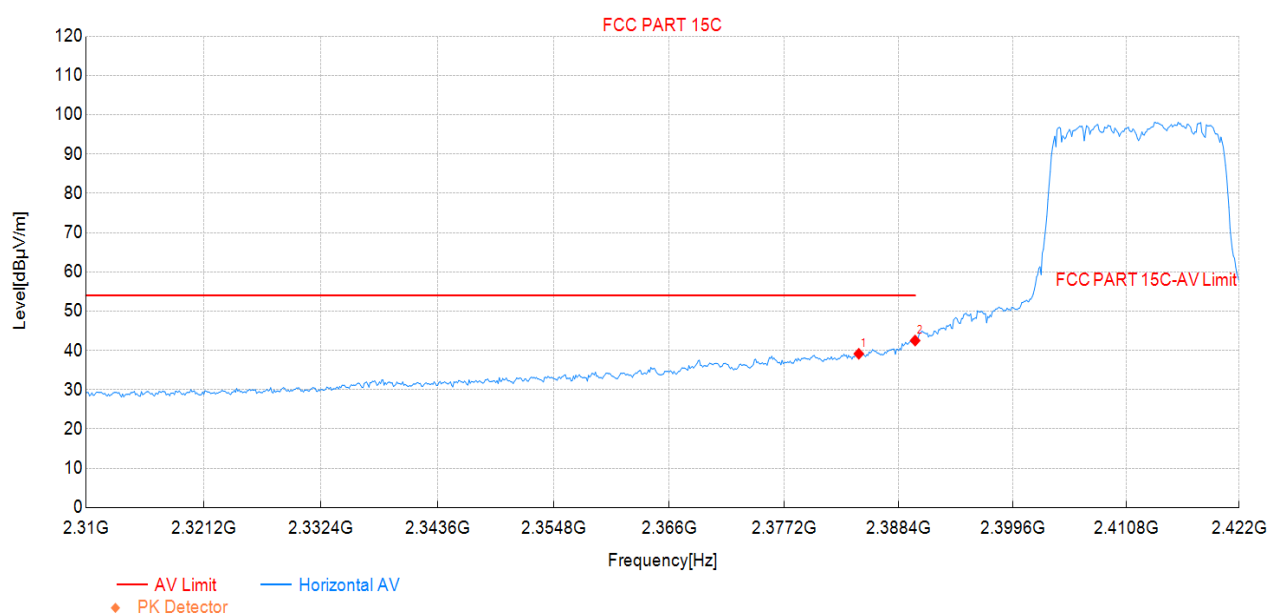


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2384.03	55.06	54.93	-0.130	74.00	19.07	PK	Vertic	PASS
2	2390.00	57.39	57.27	-0.120	74.00	16.73	PK	Vertic	PASS

Transmit at 2412MHz by 802.11g with Ant MAIN+AUX

Test Graph

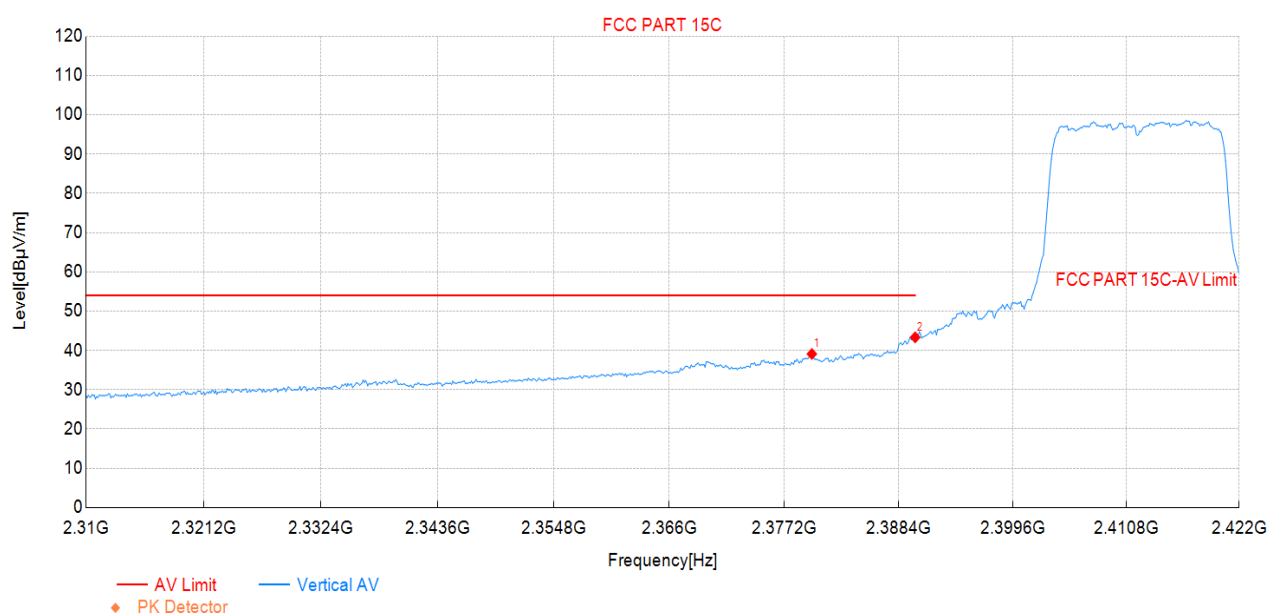


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2384.48	39.27	39.15	-0.120	54.00	14.85	AV	Horizo	PASS
2	2390.00	42.63	42.51	-0.120	54.00	11.49	AV	Horizo	PASS

Transmit at 2412MHz by 802.11g with Ant MAIN+AUX

Test Graph

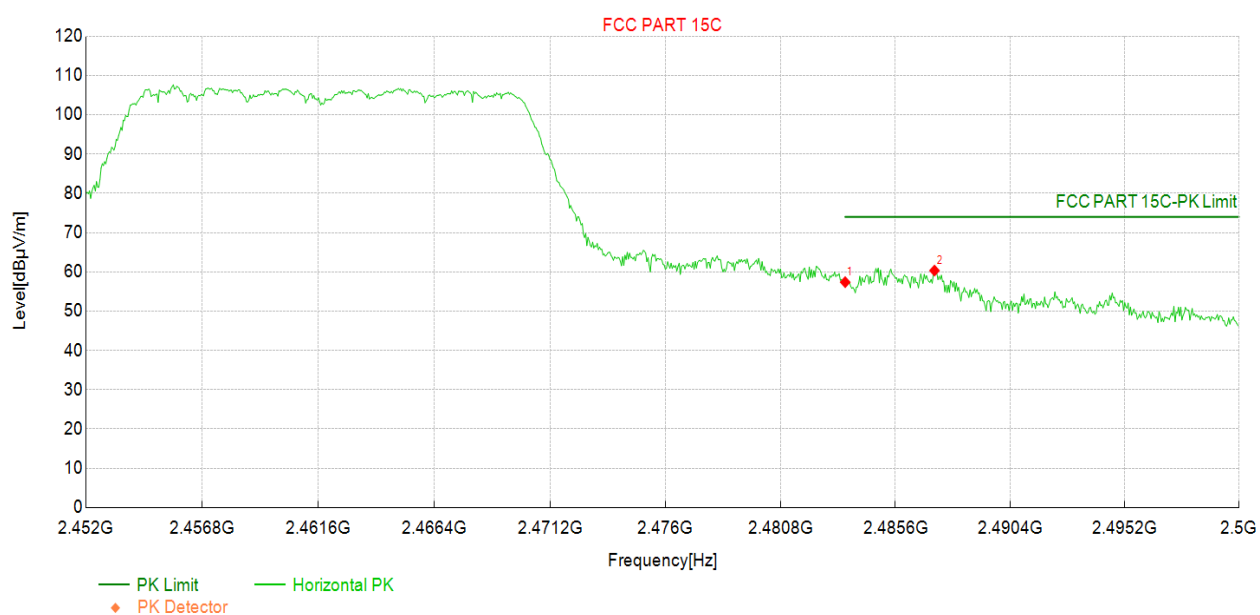


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2379.89	39.23	39.10	-0.130	54.00	14.90	AV	Vertic	PASS
2	2390.00	43.46	43.34	-0.120	54.00	10.66	AV	Vertic	PASS

Transmit at 2462MHz by 802.11g with Ant MAIN+AUX

Test Graph

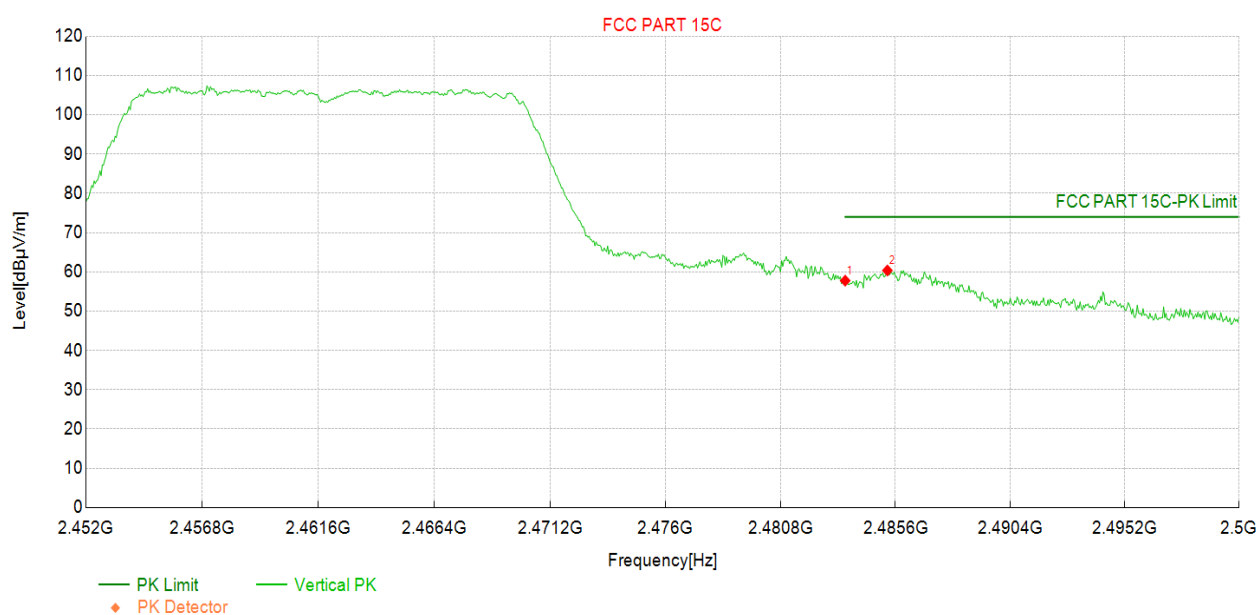


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	57.24	57.39	0.150	74.00	16.61	PK	Horizo	PASS
2	2487.23	60.18	60.34	0.160	74.00	13.66	PK	Horizo	PASS

Transmit at 2462MHz by 802.11g with Ant MAIN+AUX

Test Graph

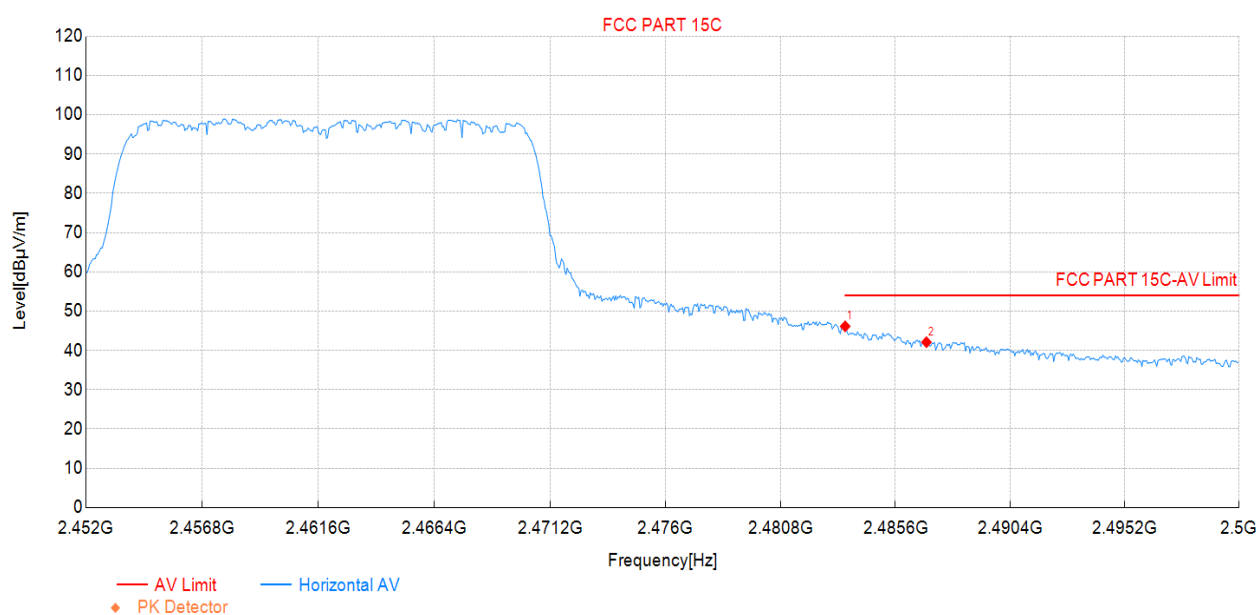


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	57.61	57.76	0.150	74.00	16.24	PK	Vertic	PASS
2	2485.26	60.20	60.36	0.160	74.00	13.64	PK	Vertic	PASS

Transmit at 2462MHz by 802.11g with Ant MAIN+AUX

Test Graph

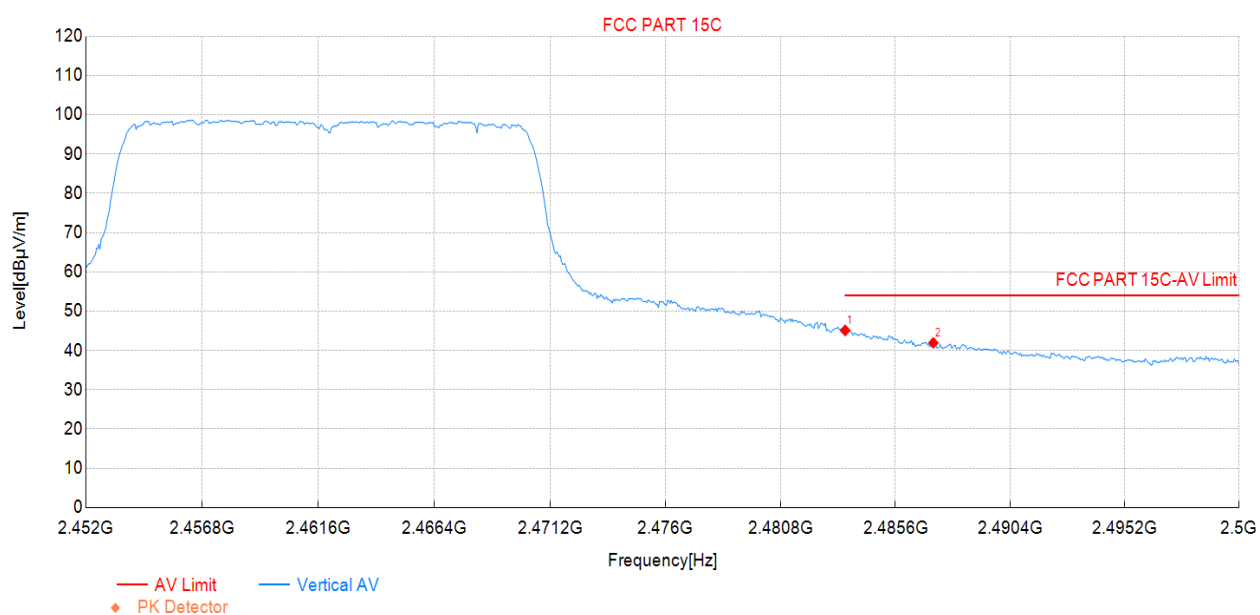


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	45.99	46.14	0.150	54.00	7.86	AV	Horizo	PASS
2	2486.90	41.94	42.10	0.160	54.00	11.90	AV	Horizo	PASS

Transmit at 2462MHz by 802.11g with Ant MAIN+AUX

Test Graph

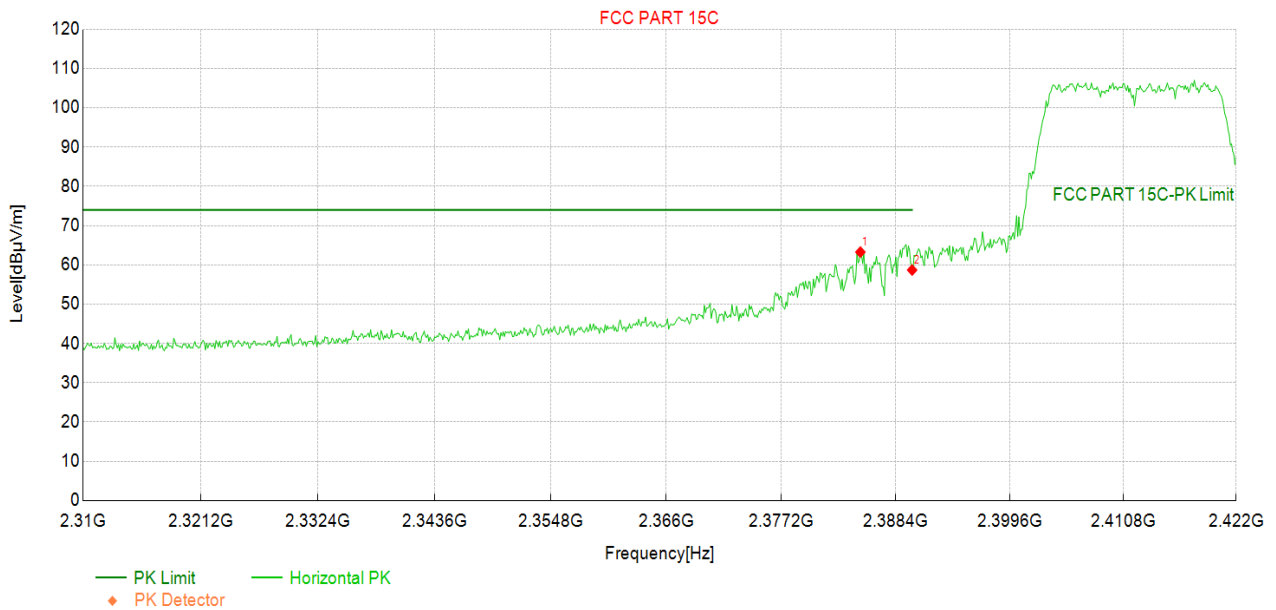


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	44.96	45.11	0.150	54.00	8.89	AV	Vertic	PASS
2	2487.18	41.77	41.93	0.160	54.00	12.07	AV	Vertic	PASS

Transmit at 2412MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

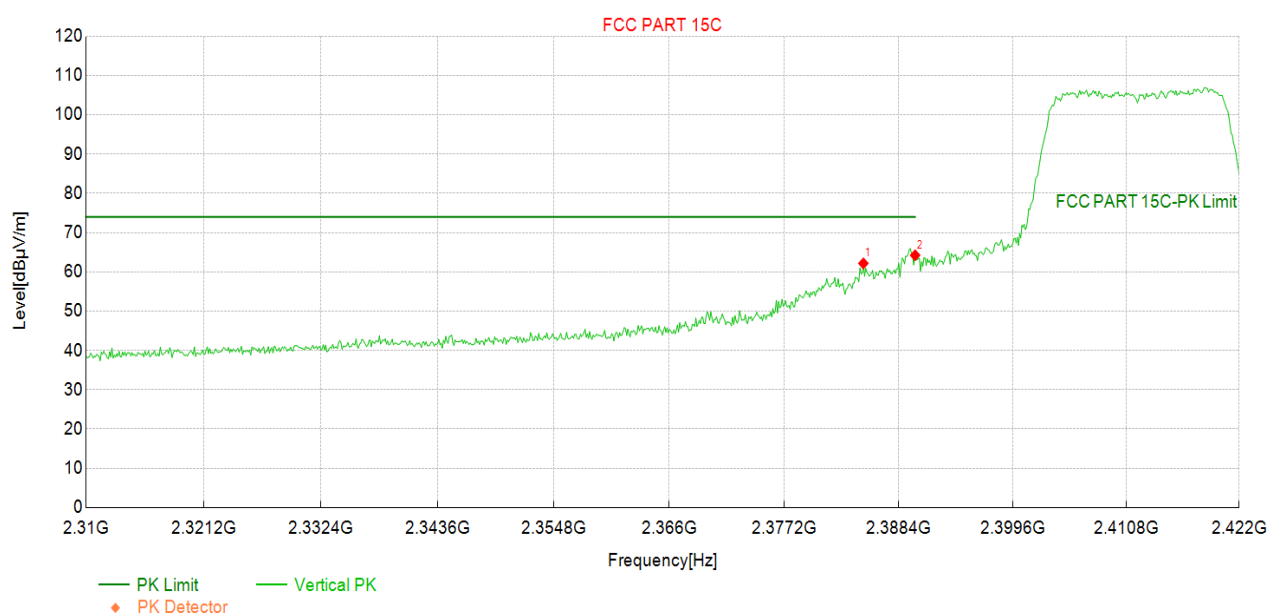


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2384.93	63.38	63.26	-0.120	74.00	10.74	PK	Horizo	PASS
2	2390.00	58.81	58.69	-0.120	74.00	15.31	PK	Horizo	PASS

Transmit at 2412MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

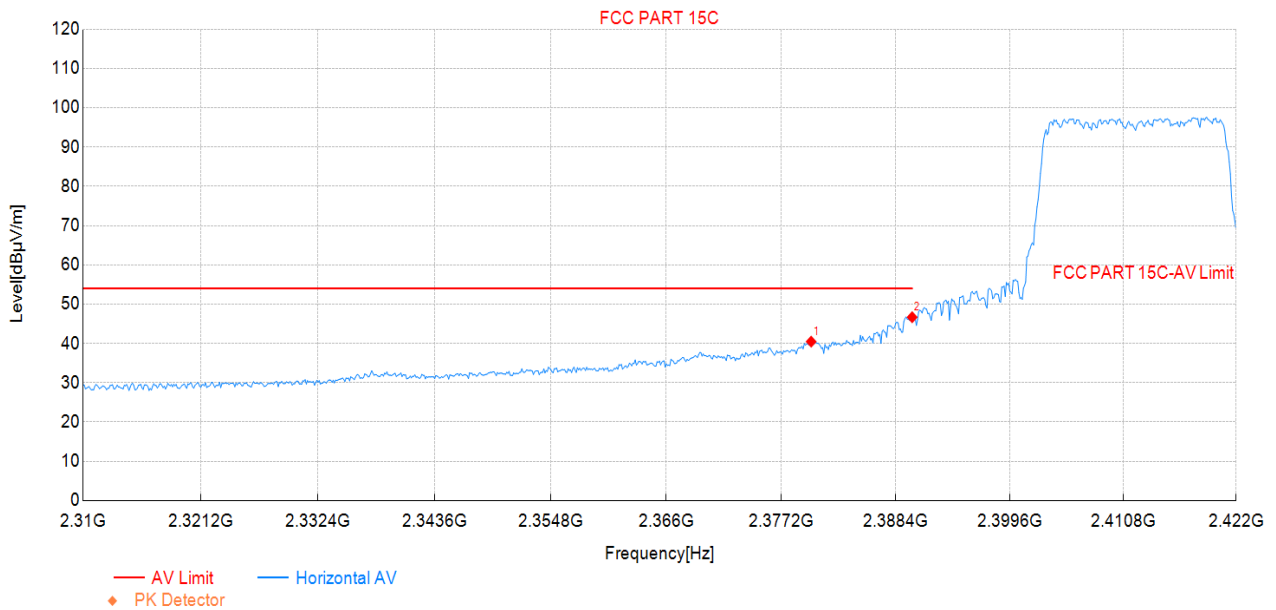


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2384.93	62.29	62.17	-0.120	74.00	11.83	PK	Vertic	PASS
2	2390.00	64.35	64.23	-0.120	74.00	9.77	PK	Vertic	PASS

Transmit at 2412MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

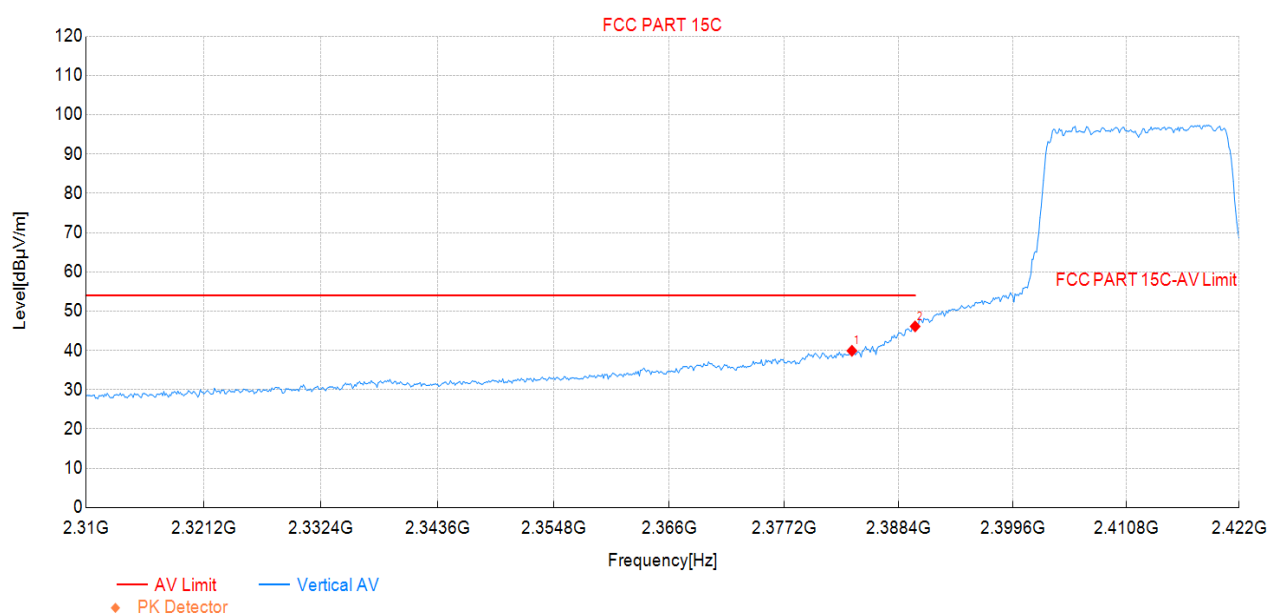


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2380.11	40.59	40.46	-0.130	54.00	13.54	AV	Horizo	PASS
2	2390.00	46.80	46.68	-0.120	54.00	7.32	AV	Horizo	PASS

Transmit at 2412MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

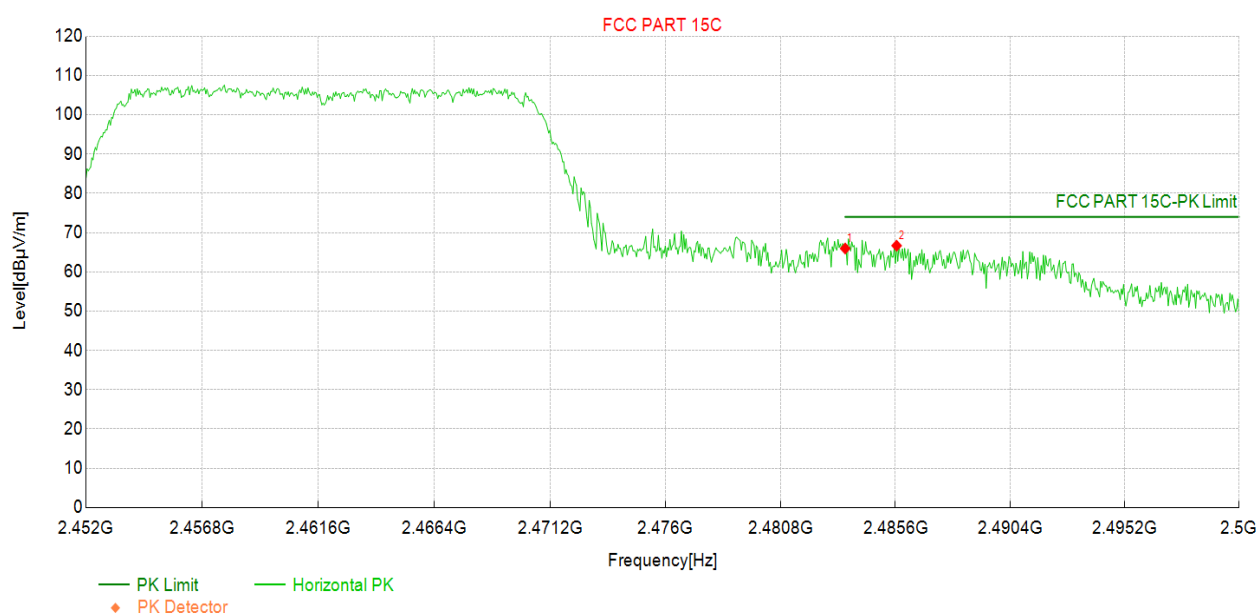


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2383.81	40.04	39.91	-0.130	54.00	14.09	AV	Vertic	PASS
2	2390.00	46.24	46.12	-0.120	54.00	7.88	AV	Vertic	PASS

Transmit at 2462MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

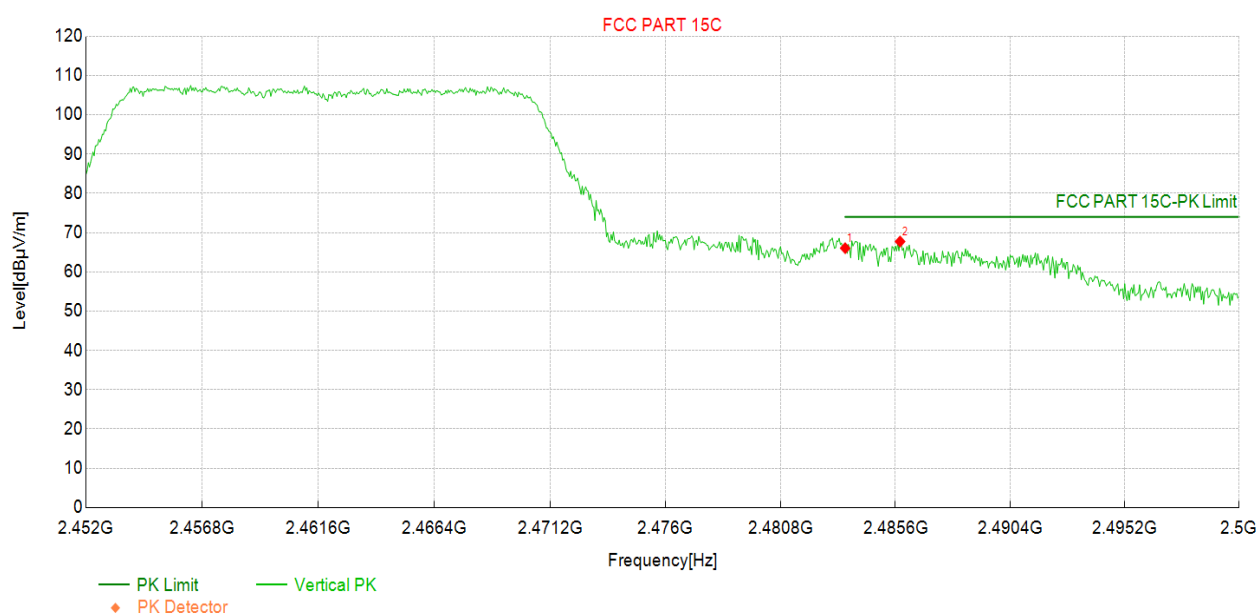


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	65.80	65.95	0.150	74.00	8.05	PK	Horizo	PASS
2	2485.65	66.51	66.67	0.160	74.00	7.33	PK	Horizo	PASS

Transmit at 2462MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

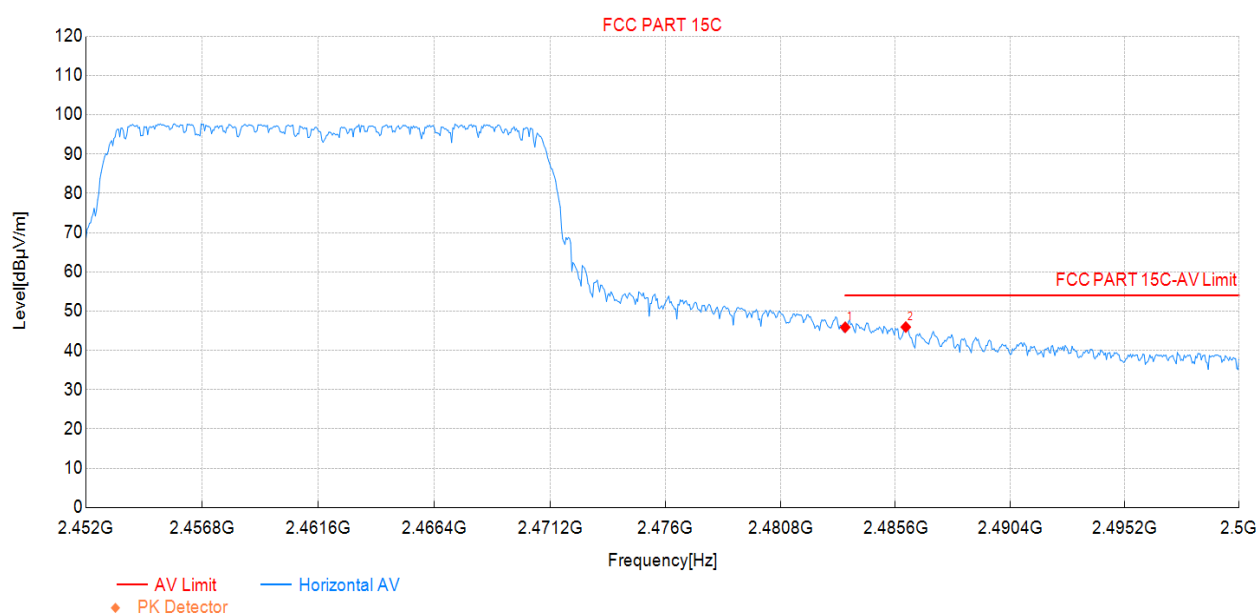


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	65.88	66.03	0.150	74.00	7.97	PK	Vertic	PASS
2	2485.79	67.56	67.72	0.160	74.00	6.28	PK	Vertic	PASS

Transmit at 2462MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

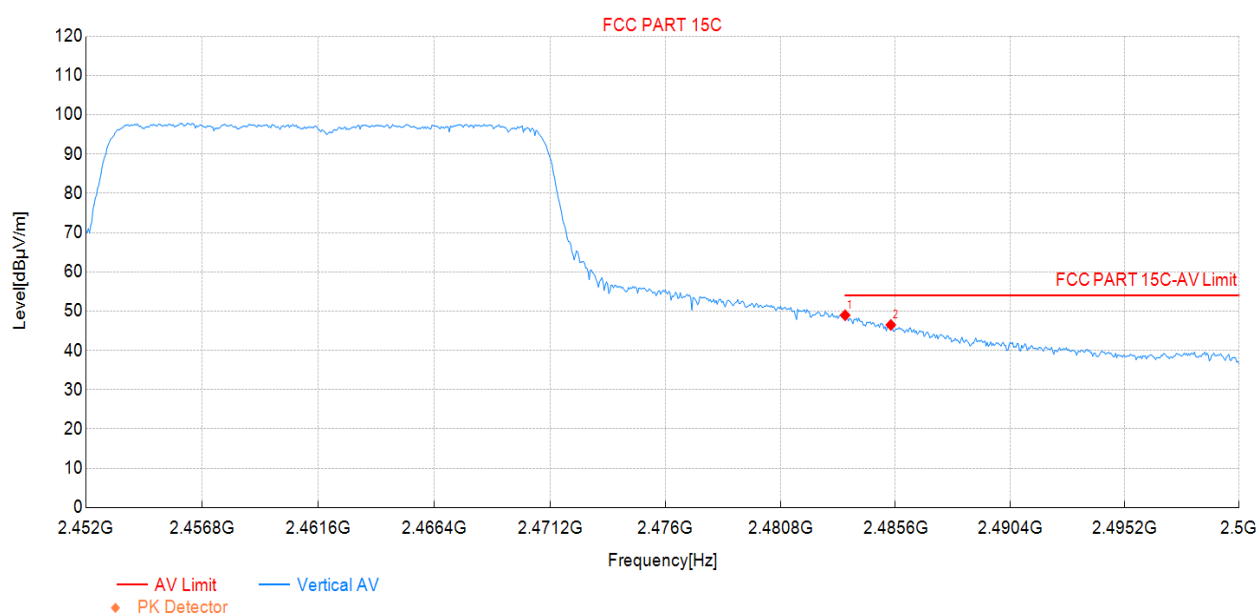


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	45.75	45.90	0.150	54.00	8.10	AV	Horizo	PASS
2	2486.03	45.79	45.95	0.160	54.00	8.05	AV	Horizo	PASS

Transmit at 2462MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

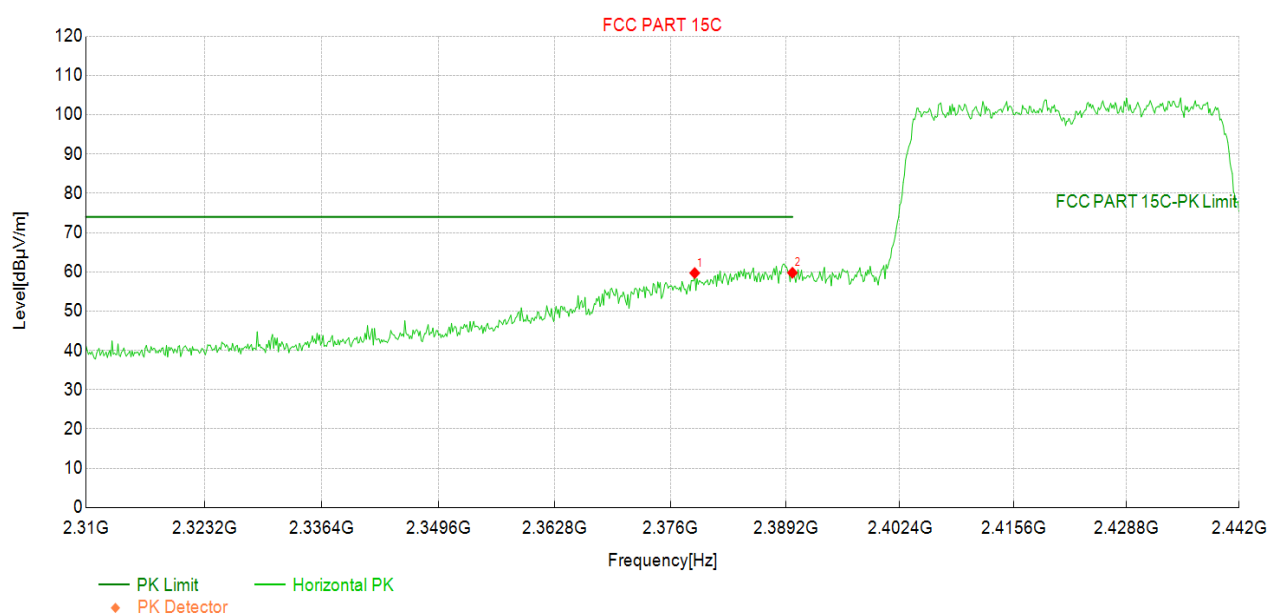


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	48.82	48.97	0.150	54.00	5.03	AV	Vertic	PASS
2	2485.41	46.33	46.49	0.160	54.00	7.51	AV	Vertic	PASS

Transmit at 2422MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

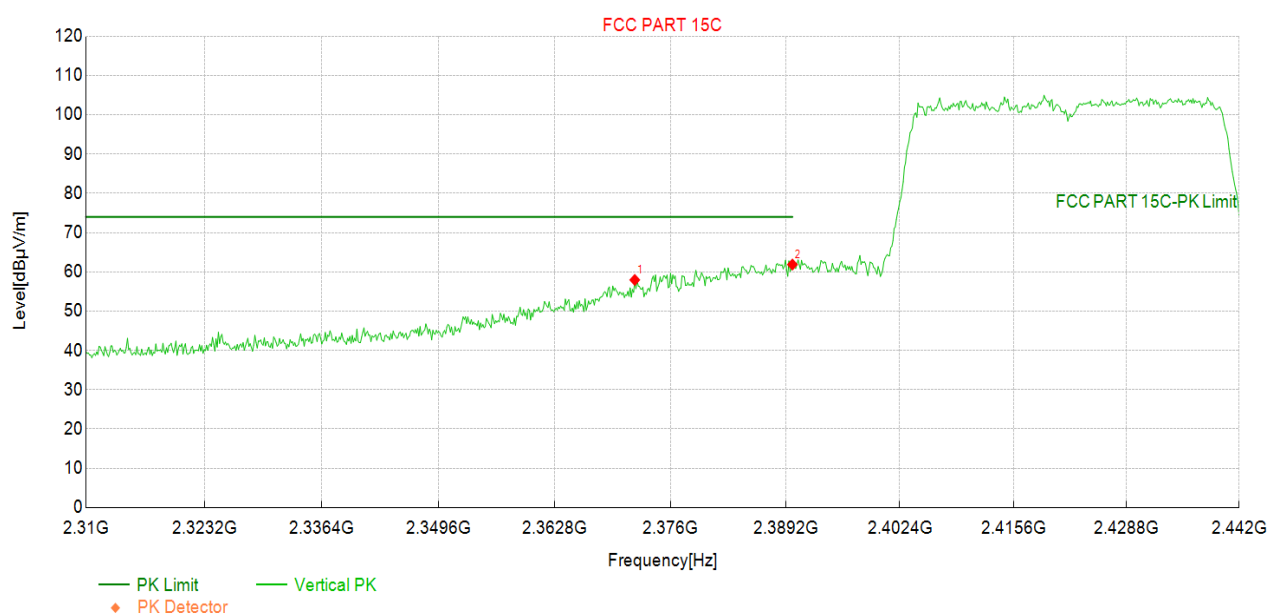


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2378.77	59.83	59.70	-0.130	74.00	14.30	PK	Horizo	PASS
2	2390.00	59.90	59.78	-0.120	74.00	14.22	PK	Horizo	PASS

Transmit at 2422MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

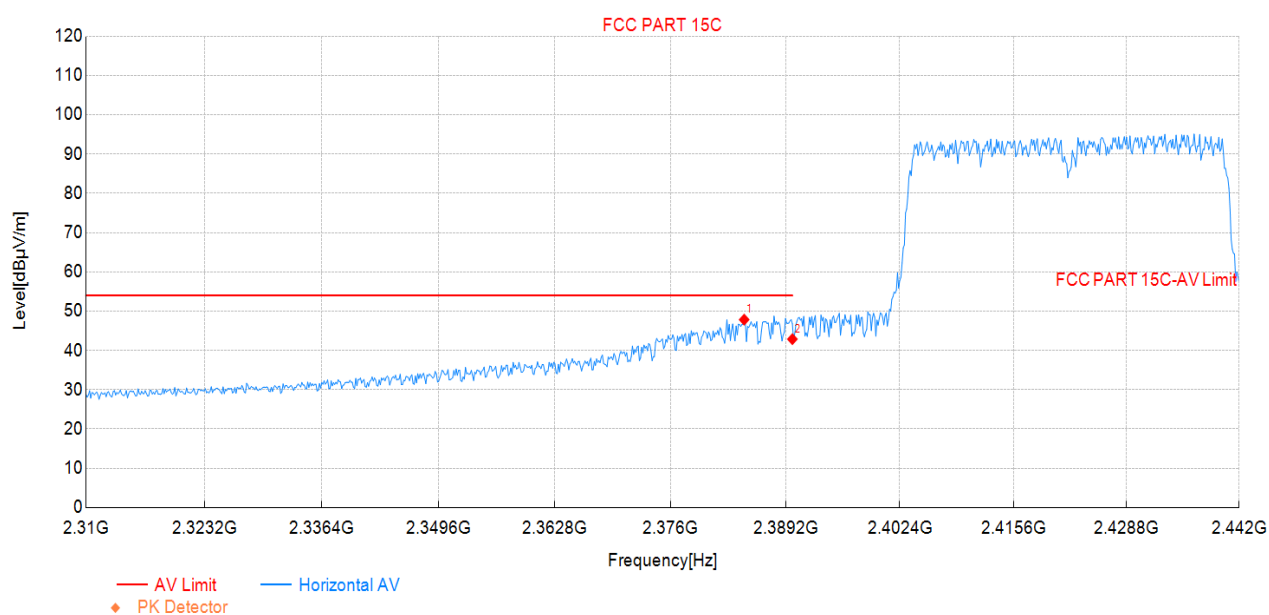


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2371.91	58.11	57.96	-0.150	74.00	16.04	PK	Vertic	PASS
2	2390.00	61.99	61.87	-0.120	74.00	12.13	PK	Vertic	PASS

Transmit at 2422MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

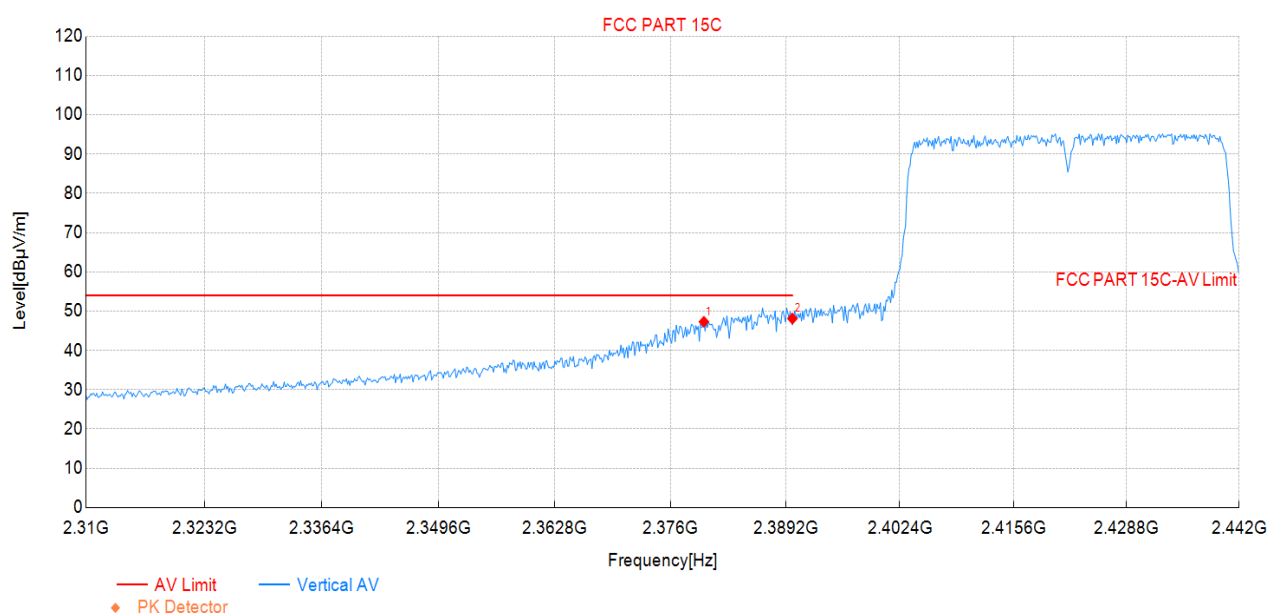


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2384.45	47.96	47.84	-0.120	54.00	6.16	AV	Horizo	PASS
2	2390.00	43.00	42.88	-0.120	54.00	11.12	AV	Horizo	PASS

Transmit at 2422MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

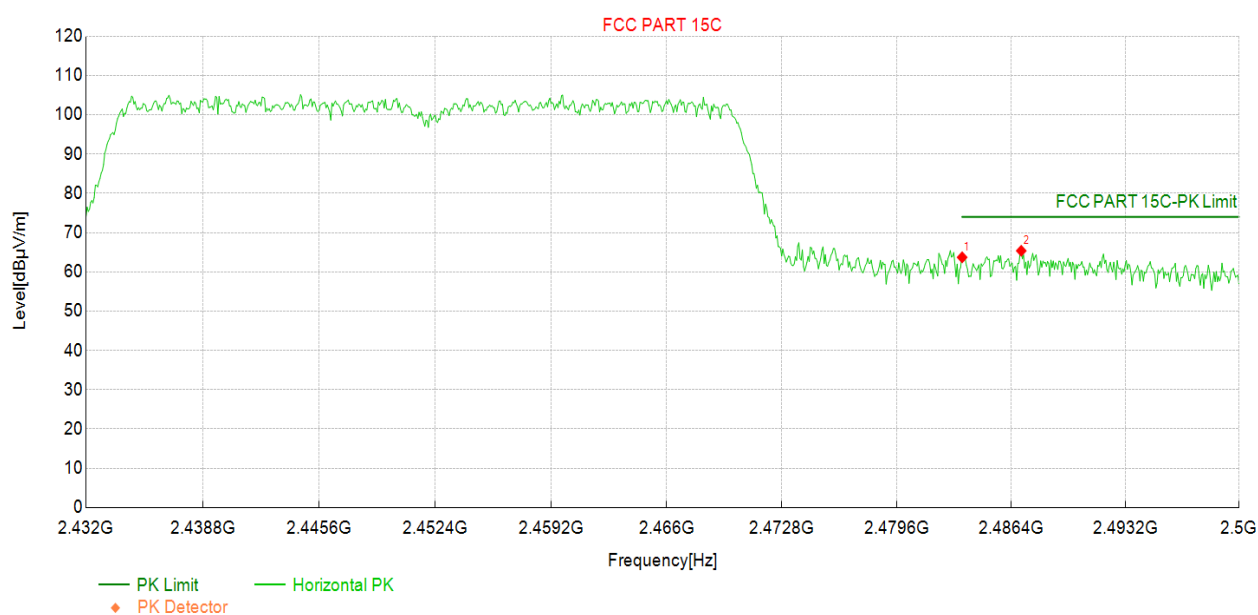


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2379.83	47.43	47.30	-0.130	54.00	6.70	AV	Vertic	PASS
2	2390.00	48.24	48.12	-0.120	54.00	5.88	AV	Vertic	PASS

Transmit at 2452MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

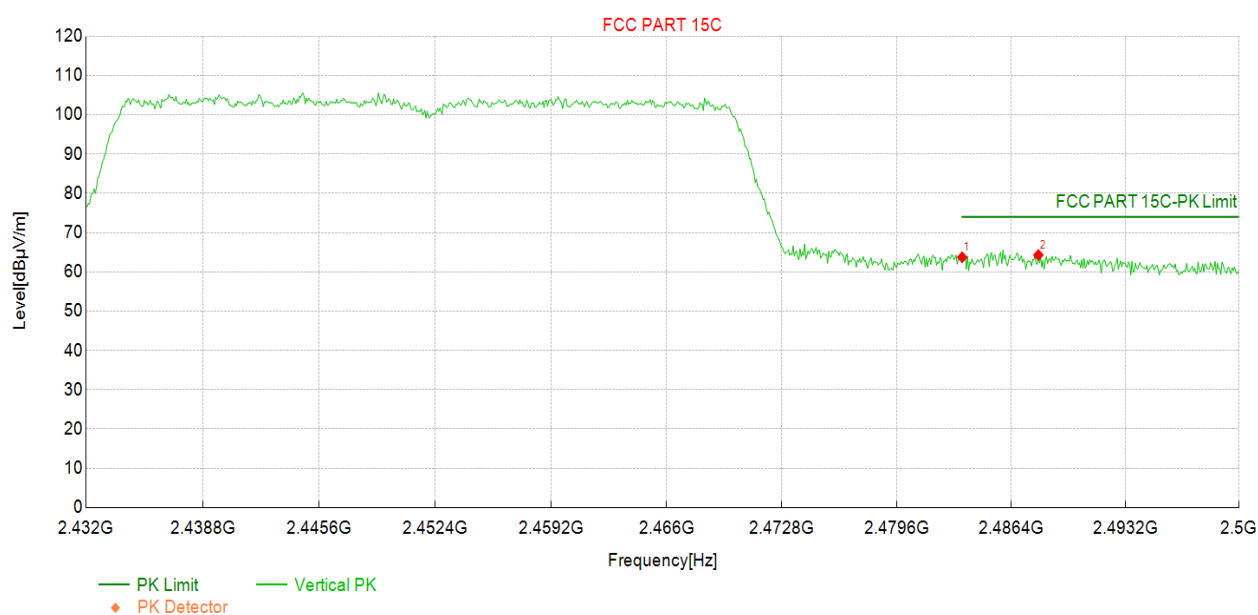


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	63.56	63.71	0.150	74.00	10.29	PK	Horizo	PASS
2	2487.01	65.21	65.37	0.160	74.00	8.63	PK	Horizo	PASS

Transmit at 2452MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

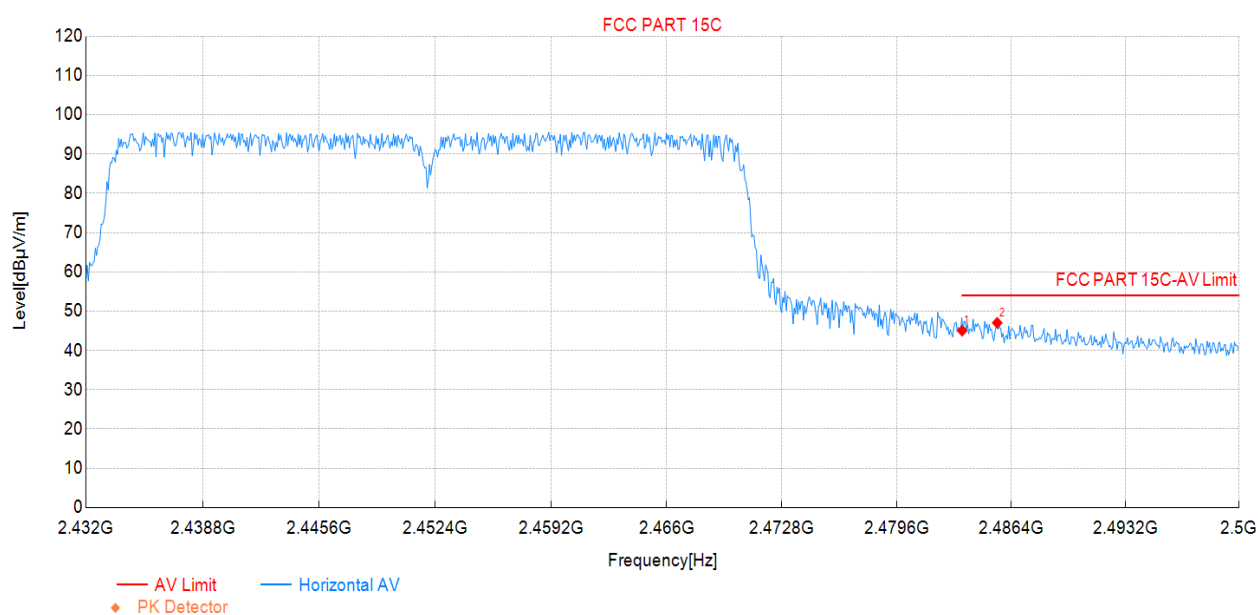


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	63.57	63.72	0.150	74.00	10.28	PK	Vertic	PASS
2	2488.03	64.13	64.29	0.160	74.00	9.71	PK	Vertic	PASS

Transmit at 2452MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

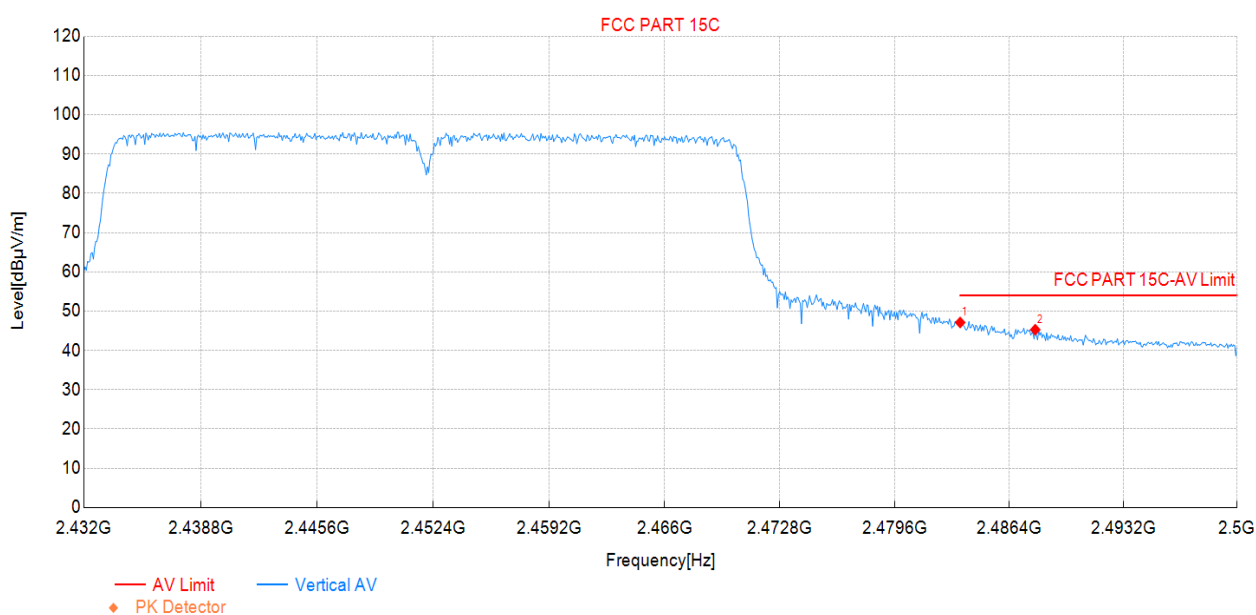


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	44.89	45.04	0.150	54.00	8.96	AV	Horizo	PASS
2	2485.58	46.87	47.03	0.160	54.00	6.97	AV	Horizo	PASS

Transmit at 2452MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	46.97	47.12	0.150	54.00	6.88	AV	Vertic	PASS
2	2487.96	45.12	45.28	0.160	54.00	8.72	AV	Vertic	PASS

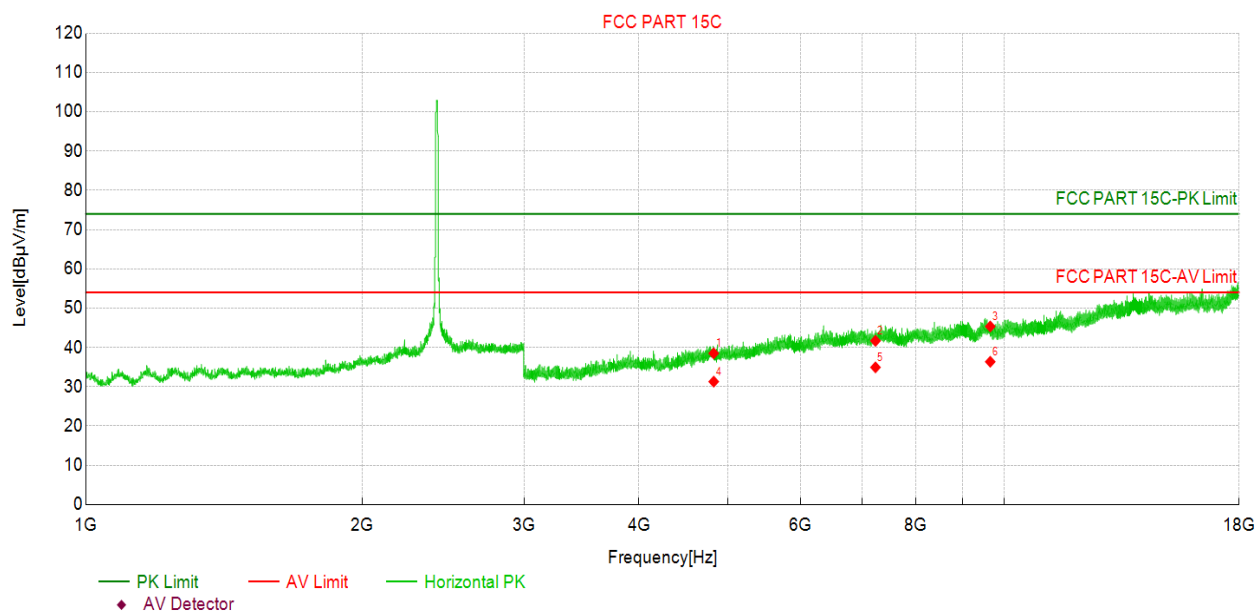
Note: Level = Reading + Factor (Antenna factor + Amplifier factor + Cable loss)

Emissions in Restricted Bands

INPAQ Antenna:

Transmit at 2412MHz by 802.11b with Ant MAIN+AUX

Test Graph

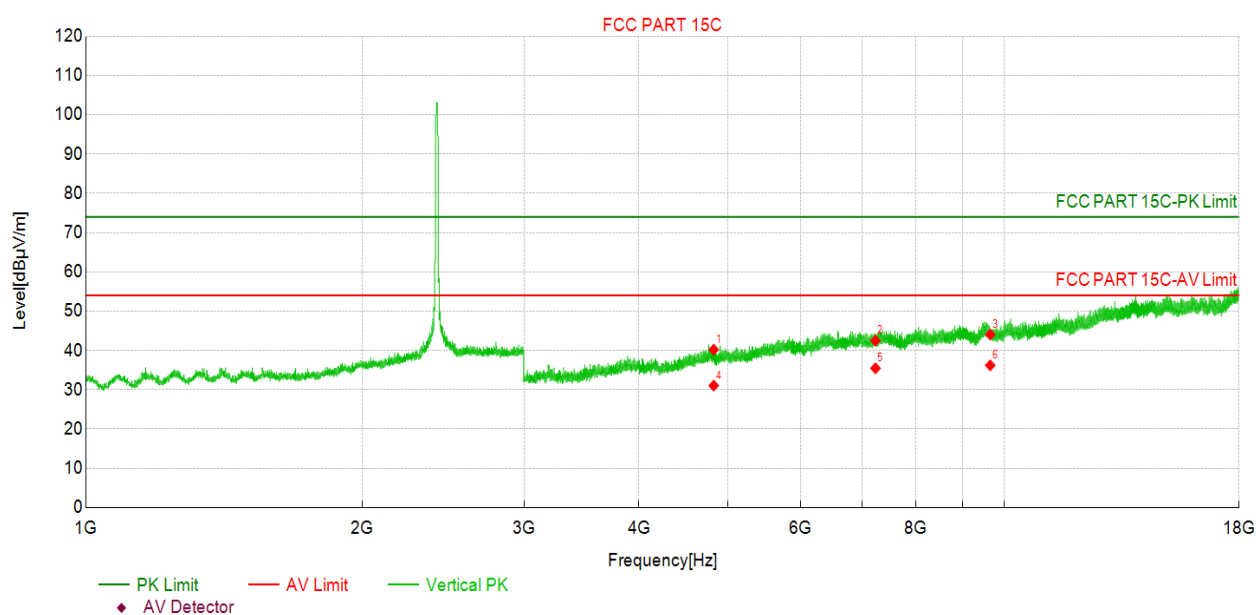


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	45.56	38.50	-7.060	74.00	35.50	PK	Horizo	PASS
2	7236.00	41.87	41.69	-0.180	74.00	32.31	PK	Horizo	PASS
3	9648.00	42.97	45.35	2.380	74.00	28.65	PK	Horizo	PASS
4	4824.00	38.36	31.30	-7.060	54.00	22.70	AV	Horizo	PASS
5	7236.00	35.12	34.94	-0.180	54.00	19.06	AV	Horizo	PASS
6	9648.00	33.98	36.36	2.380	54.00	17.64	AV	Horizo	PASS

Transmit at 2412MHz by 802.11b with Ant MAIN+AUX

Test Graph

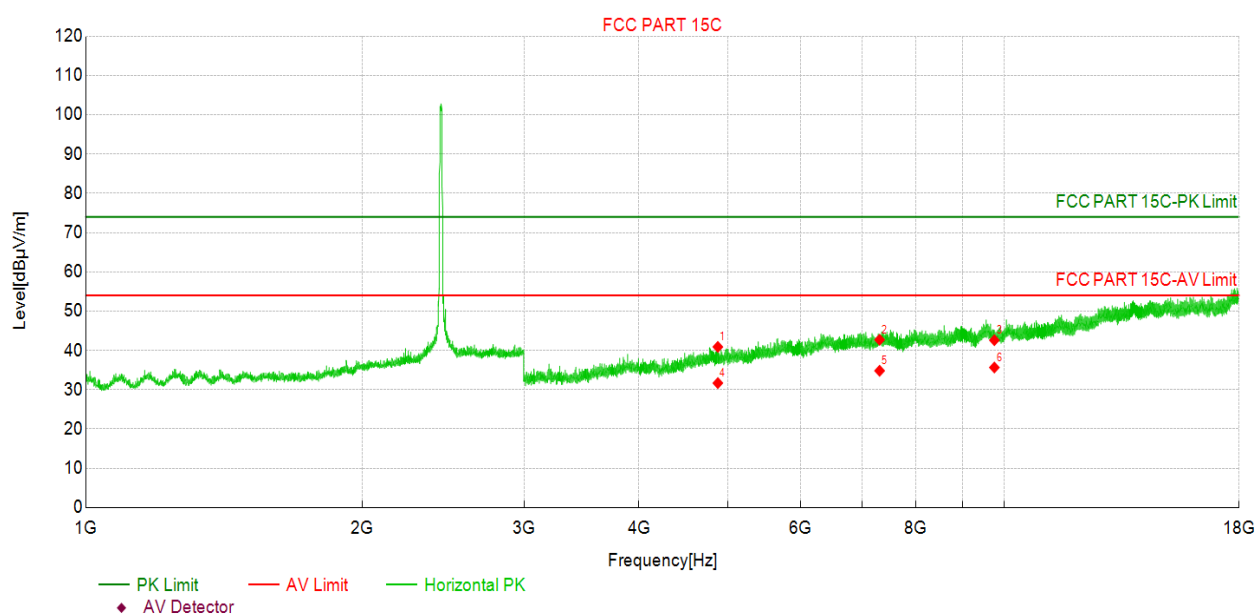


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	47.25	40.19	-7.060	74.00	33.81	PK	Vertic	PASS
2	7236.00	42.68	42.50	-0.180	74.00	31.50	PK	Vertic	PASS
3	9648.00	41.68	44.06	2.380	74.00	29.94	PK	Vertic	PASS
4	4824.00	38.12	31.06	-7.060	54.00	22.94	AV	Vertic	PASS
5	7236.00	35.65	35.47	-0.180	54.00	18.53	AV	Vertic	PASS
6	9648.00	33.83	36.21	2.380	54.00	17.79	AV	Vertic	PASS

Transmit at 2437MHz by 802.11b with Ant MAIN+AUX

Test Graph

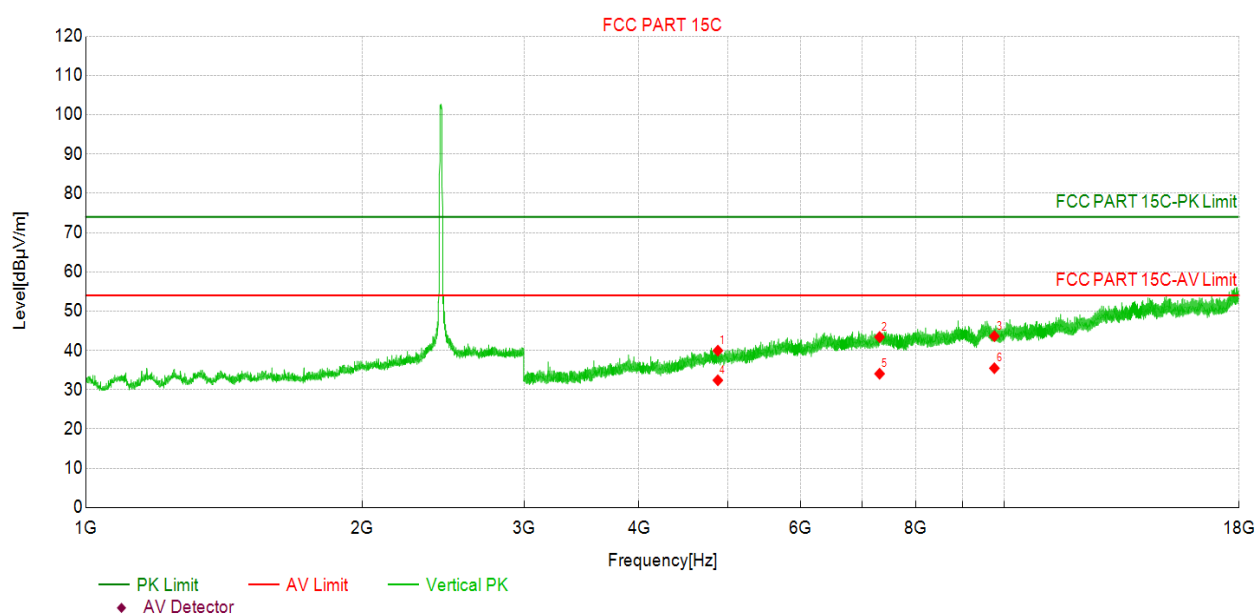


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	47.94	40.90	-7.040	74.00	33.10	PK	Horizo	PASS
2	7311.00	42.90	42.71	-0.190	74.00	31.29	PK	Horizo	PASS
3	9748.00	40.27	42.61	2.340	74.00	31.39	PK	Horizo	PASS
4	4874.00	38.73	31.69	-7.040	54.00	22.31	AV	Horizo	PASS
5	7311.00	35.01	34.82	-0.190	54.00	19.18	AV	Horizo	PASS
6	9748.00	33.32	35.66	2.340	54.00	18.34	AV	Horizo	PASS

Transmit at 2437MHz by 802.11b with Ant MAIN+AUX

Test Graph

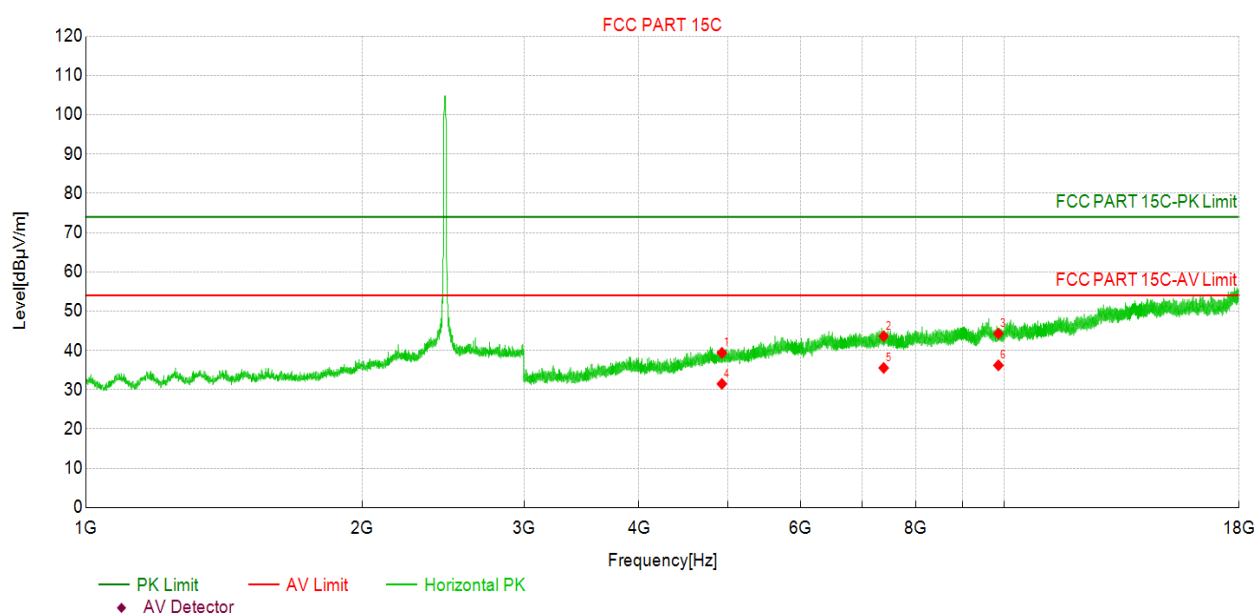


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	46.99	39.95	-7.040	74.00	34.05	PK	Vertic	PASS
2	7311.00	43.61	43.42	-0.190	74.00	30.58	PK	Vertic	PASS
3	9748.00	41.30	43.64	2.340	74.00	30.36	PK	Vertic	PASS
4	4874.00	39.45	32.41	-7.040	54.00	21.59	AV	Vertic	PASS
5	7311.00	34.25	34.06	-0.190	54.00	19.94	AV	Vertic	PASS
6	9748.00	33.14	35.48	2.340	54.00	18.52	AV	Vertic	PASS

Transmit at 2462MHz by 802.11b with Ant MAIN+AUX

Test Graph

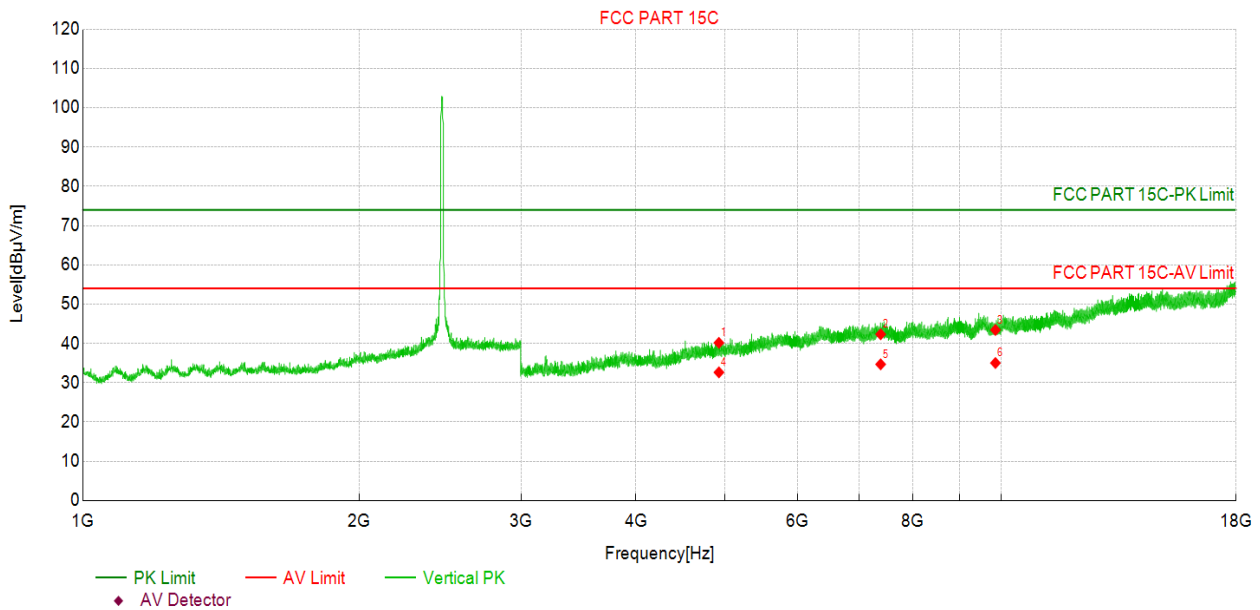


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	46.26	39.38	-6.880	74.00	34.62	PK	Horizo	PASS
2	7386.00	43.71	43.64	-0.070	74.00	30.36	PK	Horizo	PASS
3	9848.00	41.70	44.29	2.590	74.00	29.71	PK	Horizo	PASS
4	4924.00	38.38	31.50	-6.880	54.00	22.50	AV	Horizo	PASS
5	7386.00	35.62	35.55	-0.070	54.00	18.45	AV	Horizo	PASS
6	9848.00	33.61	36.20	2.590	54.00	17.80	AV	Horizo	PASS

Transmit at 2462MHz by 802.11b with Ant MAIN+AUX

Test Graph

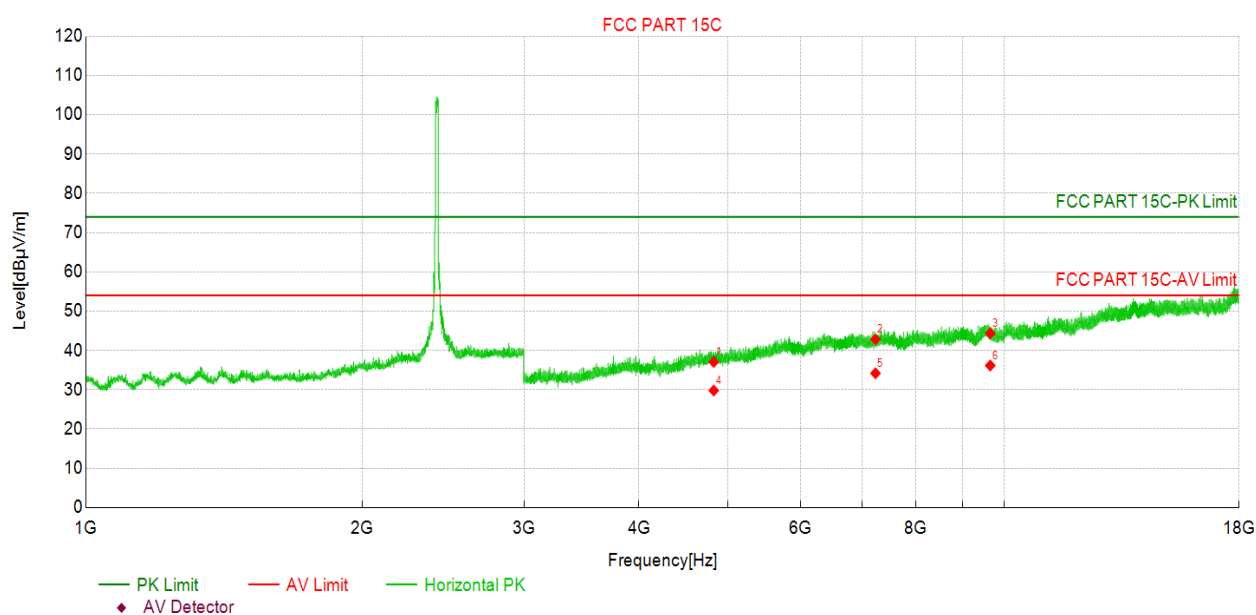


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	47.04	40.16	-6.880	74.00	33.84	PK	Vertic	PASS
2	7386.00	42.41	42.34	-0.070	74.00	31.66	PK	Vertic	PASS
3	9848.00	40.84	43.43	2.590	74.00	30.57	PK	Vertic	PASS
4	4924.00	39.52	32.64	-6.880	54.00	21.36	AV	Vertic	PASS
5	7386.00	34.76	34.69	-0.070	54.00	19.31	AV	Vertic	PASS
6	9848.00	32.43	35.02	2.590	54.00	18.98	AV	Vertic	PASS

Transmit at 2412MHz by 802.11g with Ant MAIN+AUX

Test Graph

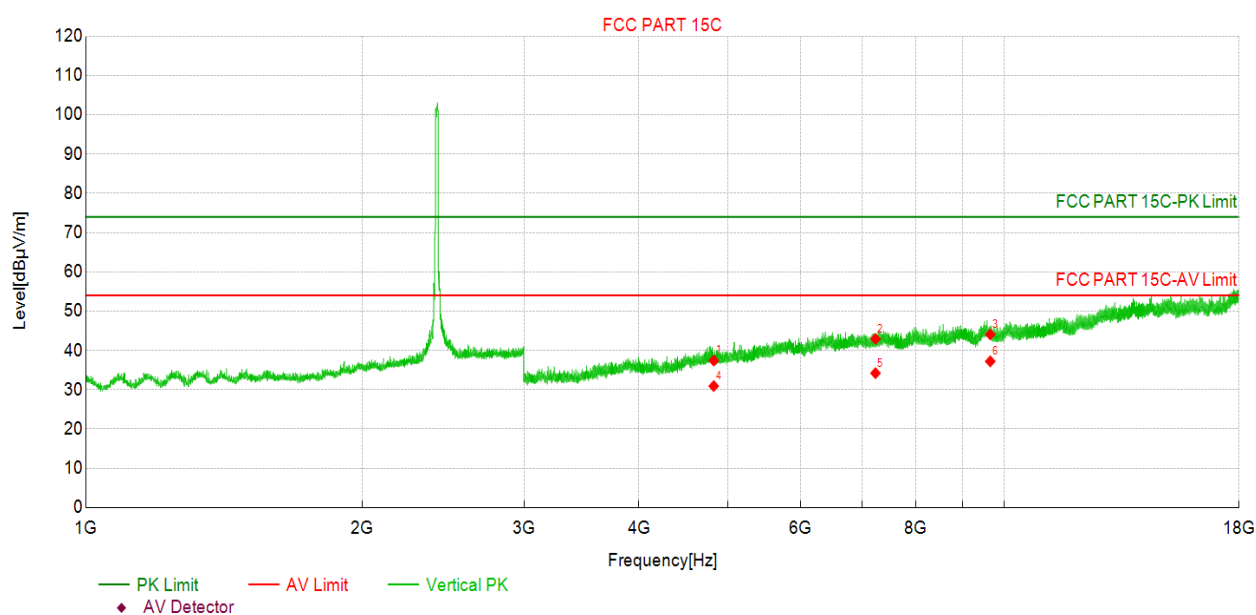


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	44.13	37.07	-7.060	74.00	36.93	PK	Horizo	PASS
2	7236.00	43.01	42.83	-0.180	74.00	31.17	PK	Horizo	PASS
3	9648.00	41.98	44.36	2.380	74.00	29.64	PK	Horizo	PASS
4	4824.00	36.85	29.79	-7.060	54.00	24.21	AV	Horizo	PASS
5	7236.00	34.37	34.19	-0.180	54.00	19.81	AV	Horizo	PASS
6	9648.00	33.78	36.16	2.380	54.00	17.84	AV	Horizo	PASS

Transmit at 2412MHz by 802.11g with Ant MAIN+AUX

Test Graph

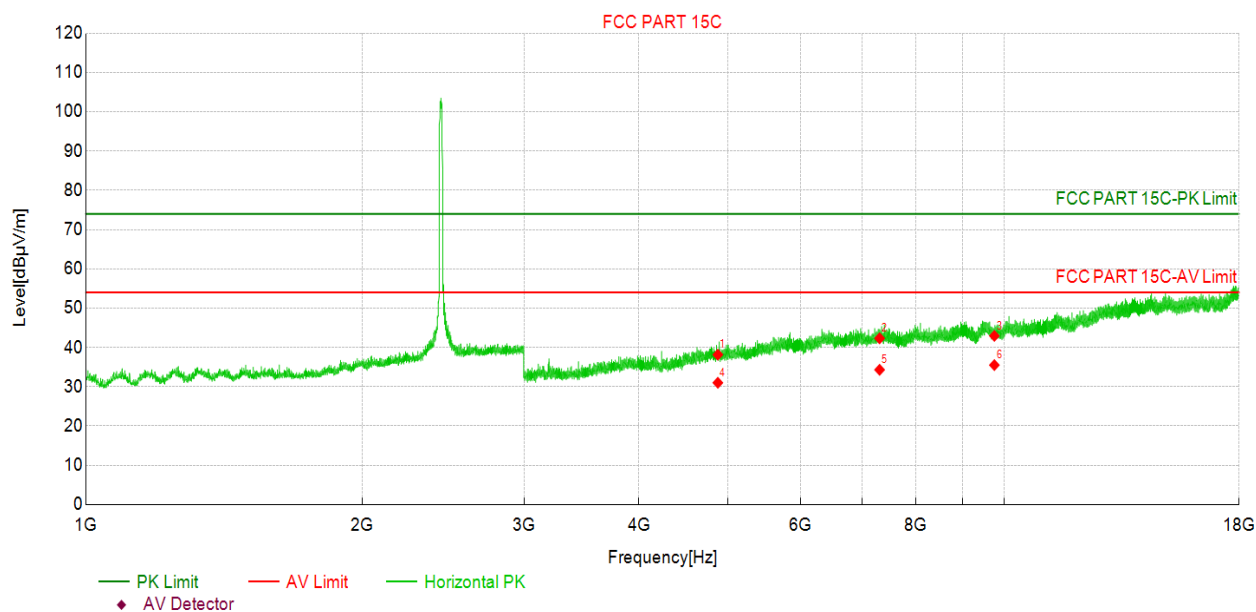


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	44.48	37.42	-7.060	74.00	36.58	PK	Vertic	PASS
2	7236.00	43.12	42.94	-0.180	74.00	31.06	PK	Vertic	PASS
3	9648.00	41.69	44.07	2.380	74.00	29.93	PK	Vertic	PASS
4	4824.00	37.99	30.93	-7.060	54.00	23.07	AV	Vertic	PASS
5	7236.00	34.40	34.22	-0.180	54.00	19.78	AV	Vertic	PASS
6	9648.00	34.85	37.23	2.380	54.00	16.77	AV	Vertic	PASS

Transmit at 2437MHz by 802.11g with Ant MAIN+AUX

Test Graph

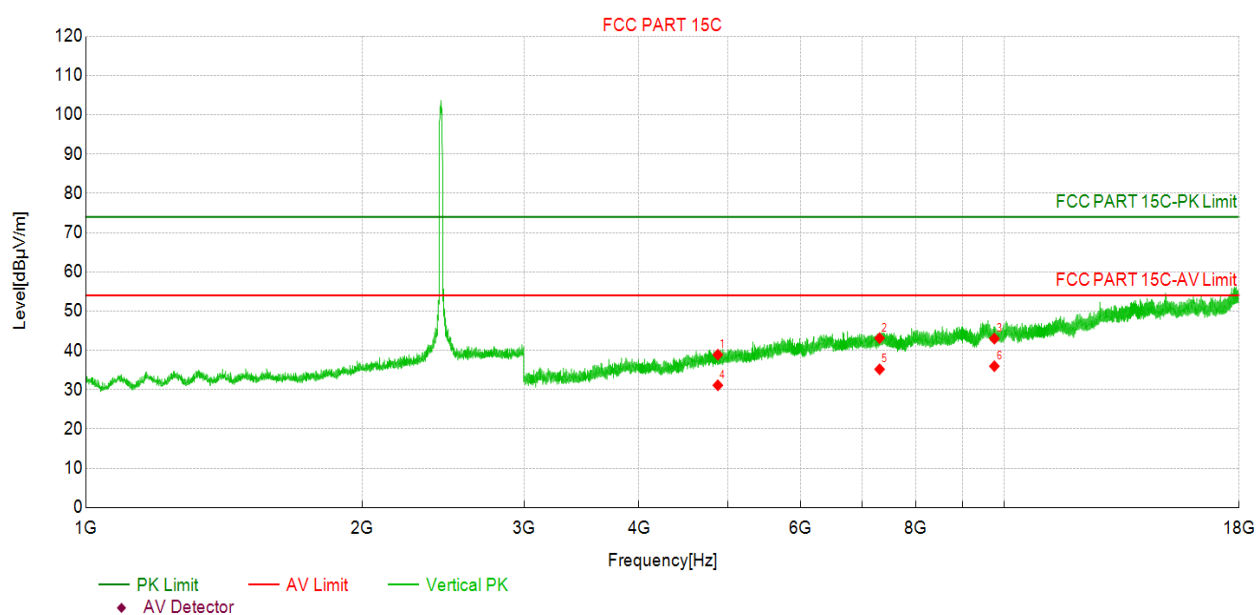


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	45.20	38.16	-7.040	74.00	35.84	PK	Horizo	PASS
2	7311.00	42.52	42.33	-0.190	74.00	31.67	PK	Horizo	PASS
3	9748.00	40.60	42.94	2.340	74.00	31.06	PK	Horizo	PASS
4	4874.00	38.05	31.01	-7.040	54.00	22.99	AV	Horizo	PASS
5	7311.00	34.50	34.31	-0.190	54.00	19.69	AV	Horizo	PASS
6	9748.00	33.17	35.51	2.340	54.00	18.49	AV	Horizo	PASS

Transmit at 2437MHz by 802.11g with Ant MAIN+AUX

Test Graph

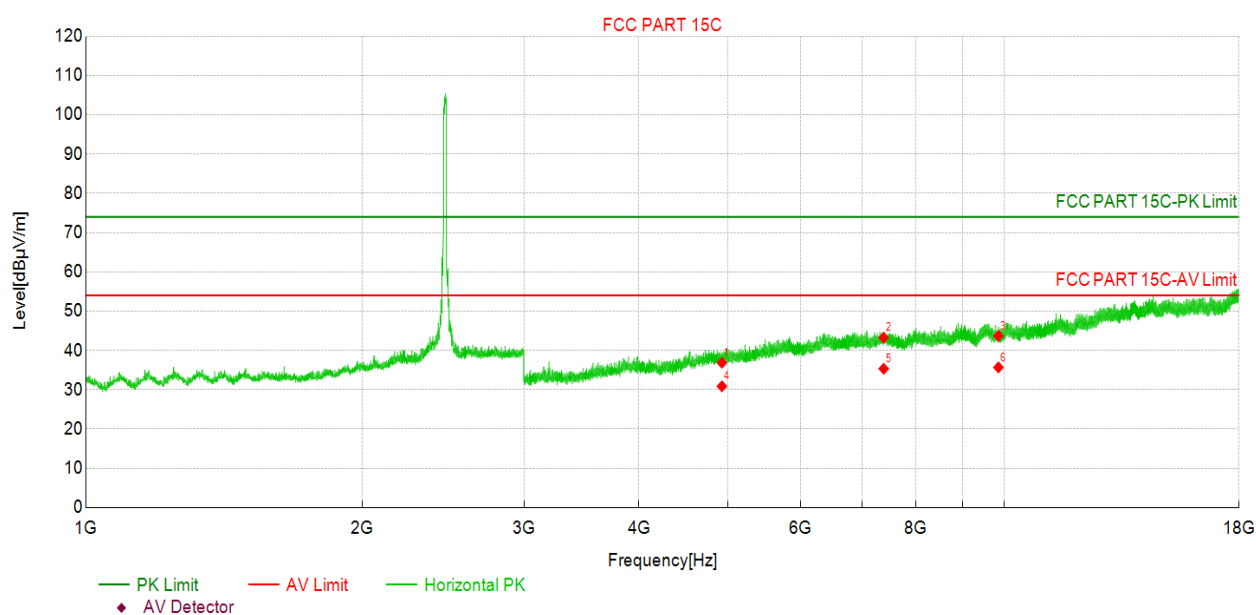


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	45.96	38.92	-7.040	74.00	35.08	PK	Vertic	PASS
2	7311.00	43.31	43.12	-0.190	74.00	30.88	PK	Vertic	PASS
3	9748.00	40.68	43.02	2.340	74.00	30.98	PK	Vertic	PASS
4	4874.00	38.17	31.13	-7.040	54.00	22.87	AV	Vertic	PASS
5	7311.00	35.40	35.21	-0.190	54.00	18.79	AV	Vertic	PASS
6	9748.00	33.65	35.99	2.340	54.00	18.01	AV	Vertic	PASS

Transmit at 2462MHz by 802.11g with Ant MAIN+AUX

Test Graph

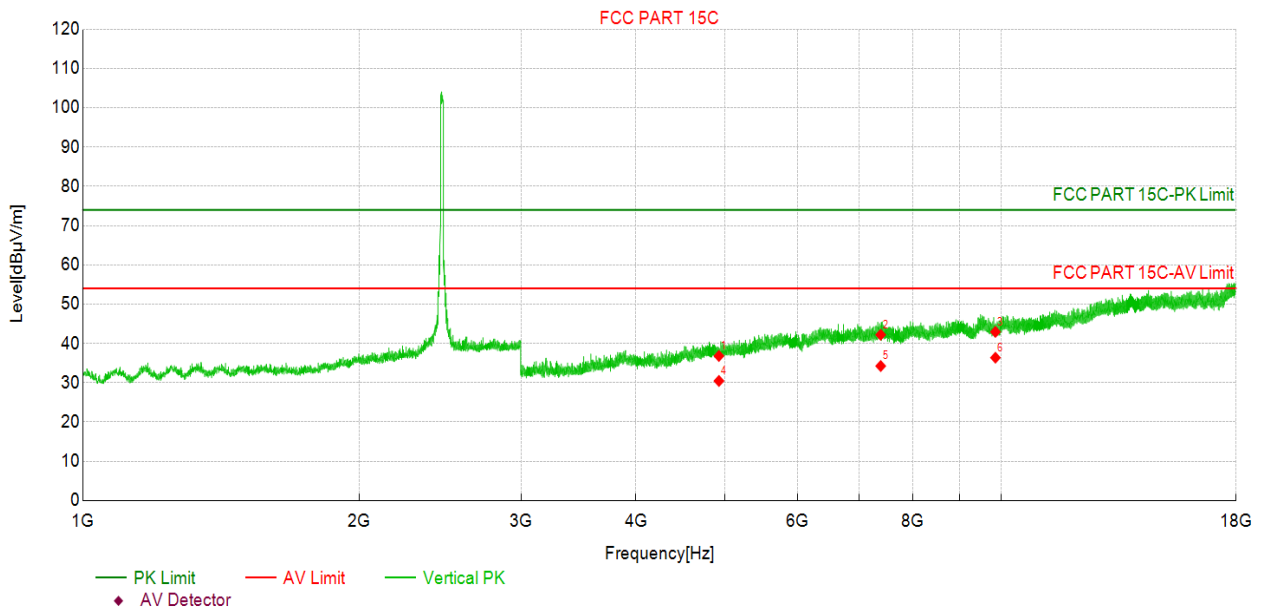


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	43.75	36.87	-6.880	74.00	37.13	PK	Horizo	PASS
2	7386.00	43.32	43.25	-0.070	74.00	30.75	PK	Horizo	PASS
3	9848.00	41.11	43.70	2.590	74.00	30.30	PK	Horizo	PASS
4	4924.00	37.76	30.88	-6.880	54.00	23.12	AV	Horizo	PASS
5	7386.00	35.41	35.34	-0.070	54.00	18.66	AV	Horizo	PASS
6	9848.00	33.10	35.69	2.590	54.00	18.31	AV	Horizo	PASS

Transmit at 2462MHz by 802.11g with Ant MAIN+AUX

Test Graph

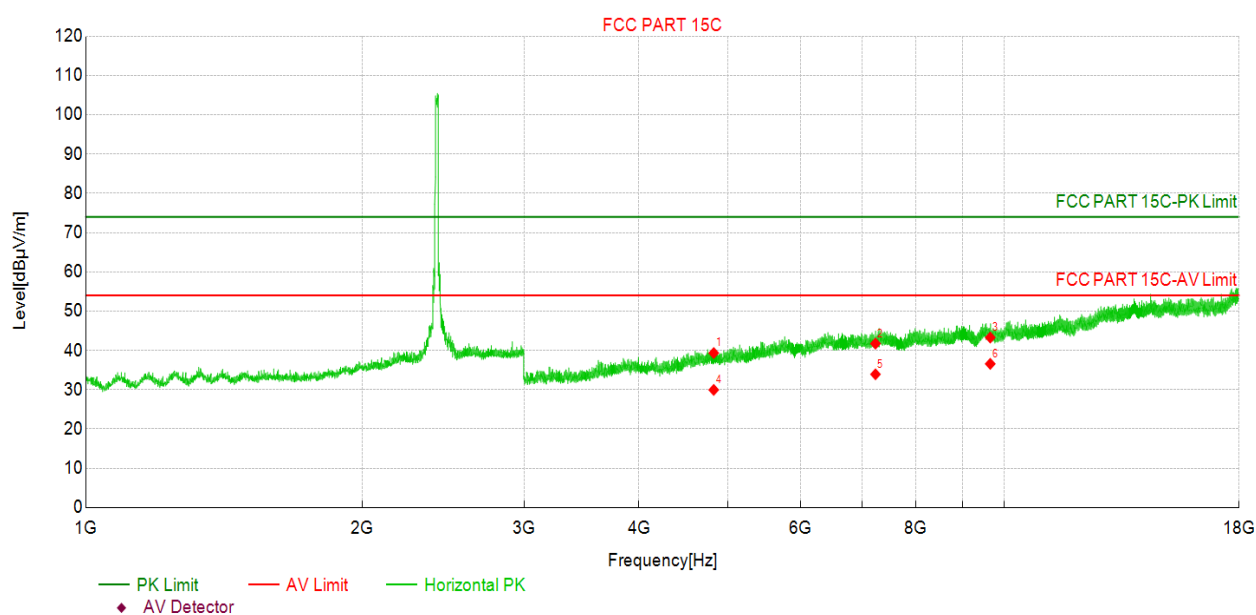


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	43.69	36.81	-6.880	74.00	37.19	PK	Vertic	PASS
2	7386.00	42.28	42.21	-0.070	74.00	31.79	PK	Vertic	PASS
3	9848.00	40.35	42.94	2.590	74.00	31.06	PK	Vertic	PASS
4	4924.00	37.33	30.45	-6.880	54.00	23.55	AV	Vertic	PASS
5	7386.00	34.32	34.25	-0.070	54.00	19.75	AV	Vertic	PASS
6	9848.00	33.78	36.37	2.590	54.00	17.63	AV	Vertic	PASS

Transmit at 2412MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

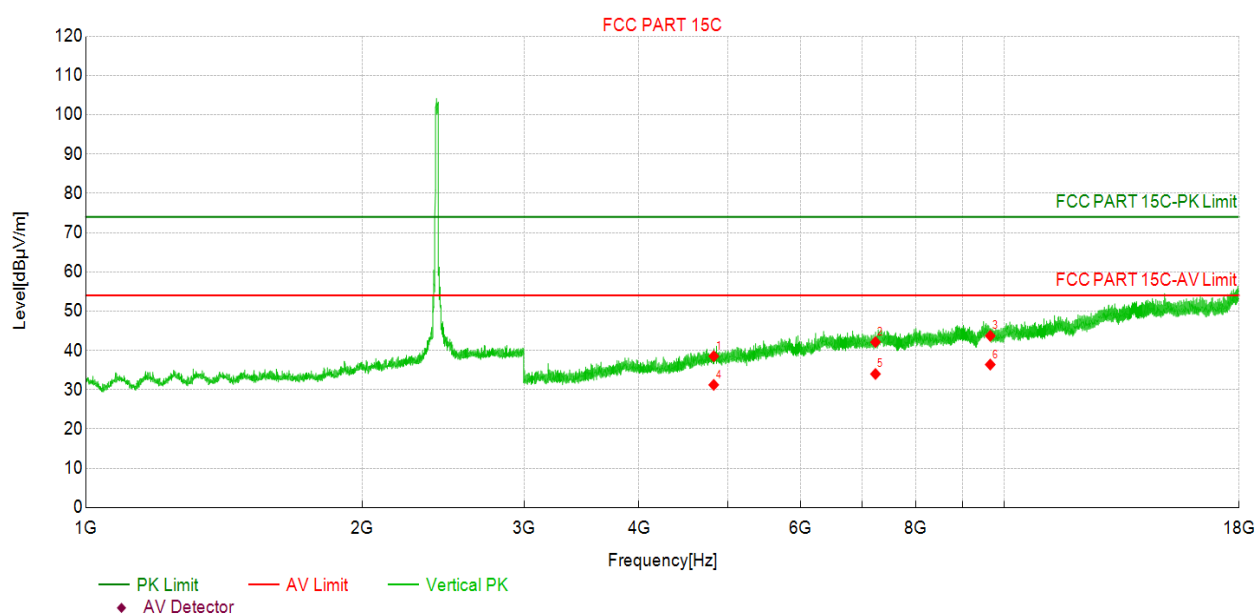


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	46.40	39.34	-7.060	74.00	34.66	PK	Horizo	PASS
2	7236.00	41.93	41.75	-0.180	74.00	32.25	PK	Horizo	PASS
3	9648.00	40.91	43.29	2.380	74.00	30.71	PK	Horizo	PASS
4	4824.00	37.02	29.96	-7.060	54.00	24.04	AV	Horizo	PASS
5	7236.00	34.11	33.93	-0.180	54.00	20.07	AV	Horizo	PASS
6	9648.00	34.21	36.59	2.380	54.00	17.41	AV	Horizo	PASS

Transmit at 2412MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

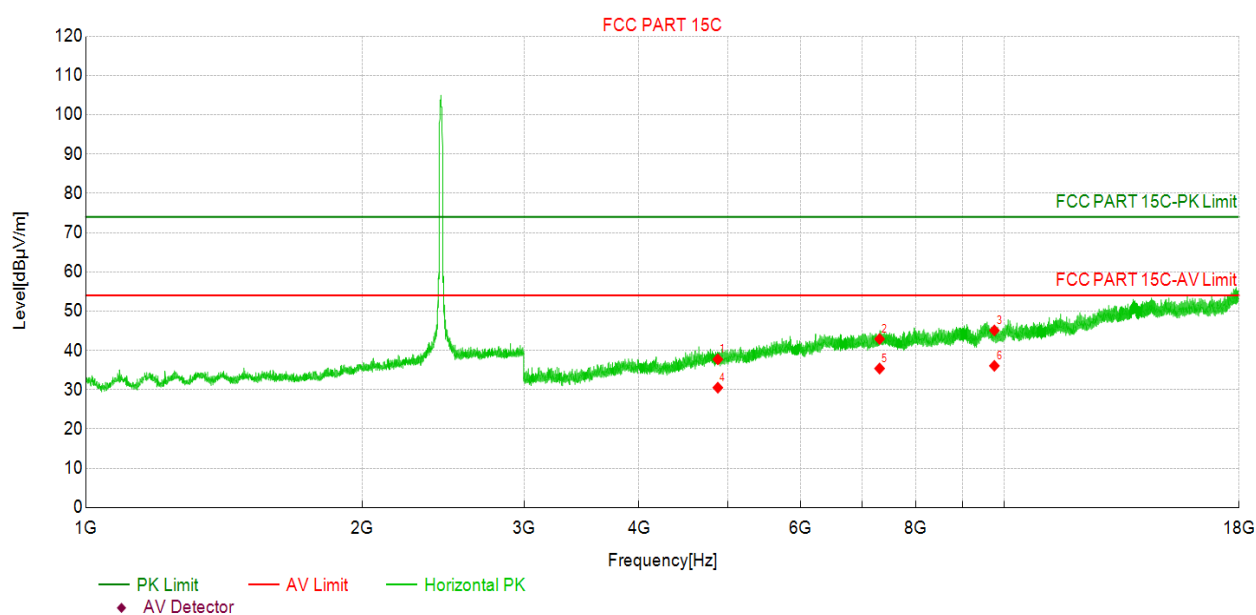


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	45.60	38.54	-7.060	74.00	35.46	PK	Vertic	PASS
2	7236.00	42.31	42.13	-0.180	74.00	31.87	PK	Vertic	PASS
3	9648.00	41.34	43.72	2.380	74.00	30.28	PK	Vertic	PASS
4	4824.00	38.30	31.24	-7.060	54.00	22.76	AV	Vertic	PASS
5	7236.00	34.19	34.01	-0.180	54.00	19.99	AV	Vertic	PASS
6	9648.00	34.03	36.41	2.380	54.00	17.59	AV	Vertic	PASS

Transmit at 2437MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

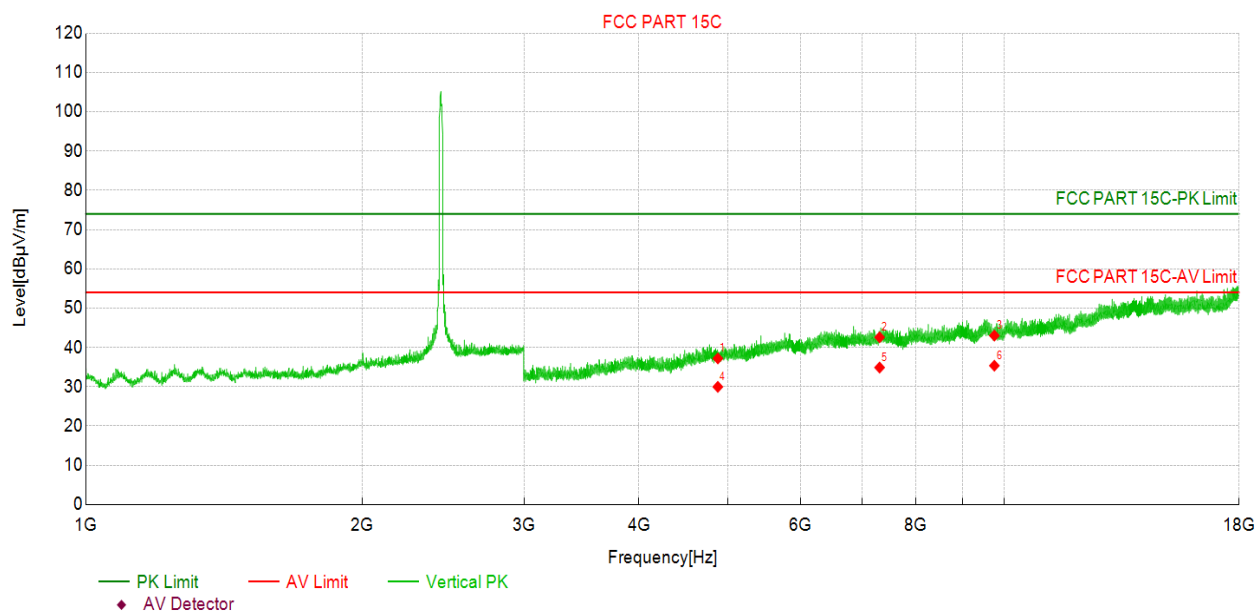


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	44.79	37.75	-7.040	74.00	36.25	PK	Horizo	PASS
2	7311.00	43.10	42.91	-0.190	74.00	31.09	PK	Horizo	PASS
3	9748.00	42.76	45.10	2.340	74.00	28.90	PK	Horizo	PASS
4	4874.00	37.56	30.52	-7.040	54.00	23.48	AV	Horizo	PASS
5	7311.00	35.59	35.40	-0.190	54.00	18.60	AV	Horizo	PASS
6	9748.00	33.75	36.09	2.340	54.00	17.91	AV	Horizo	PASS

Transmit at 2437MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

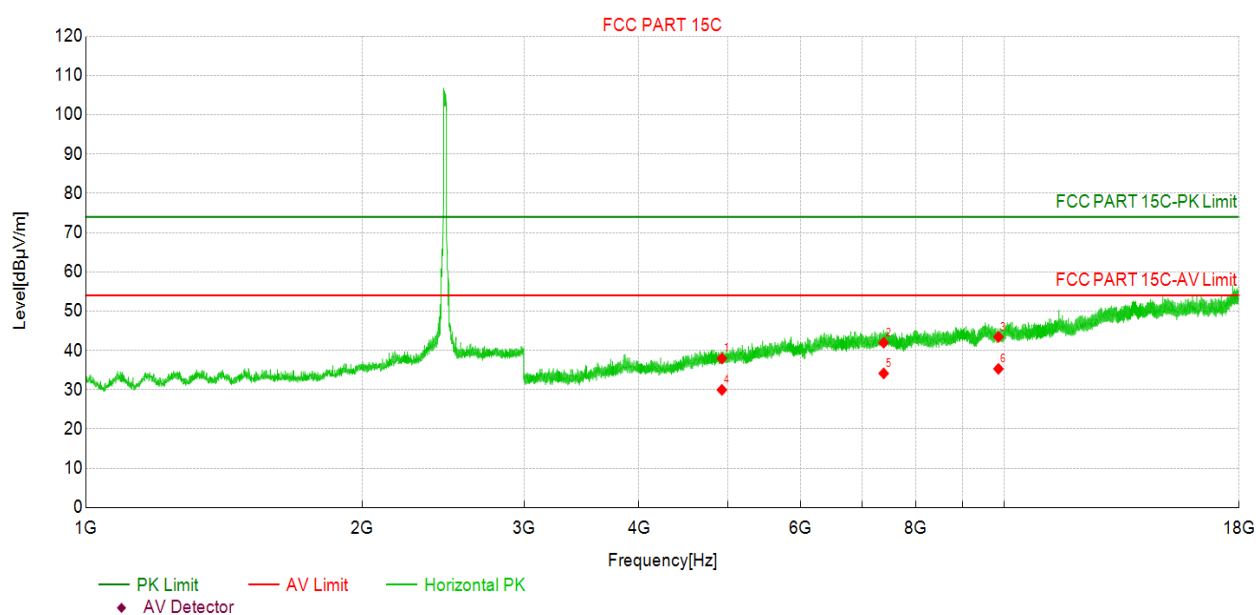


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	44.24	37.20	-7.040	74.00	36.80	PK	Vertic	PASS
2	7311.00	42.77	42.58	-0.190	74.00	31.42	PK	Vertic	PASS
3	9748.00	40.68	43.02	2.340	74.00	30.98	PK	Vertic	PASS
4	4874.00	37.01	29.97	-7.040	54.00	24.03	AV	Vertic	PASS
5	7311.00	35.07	34.88	-0.190	54.00	19.12	AV	Vertic	PASS
6	9748.00	33.01	35.35	2.340	54.00	18.65	AV	Vertic	PASS

Transmit at 2462MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

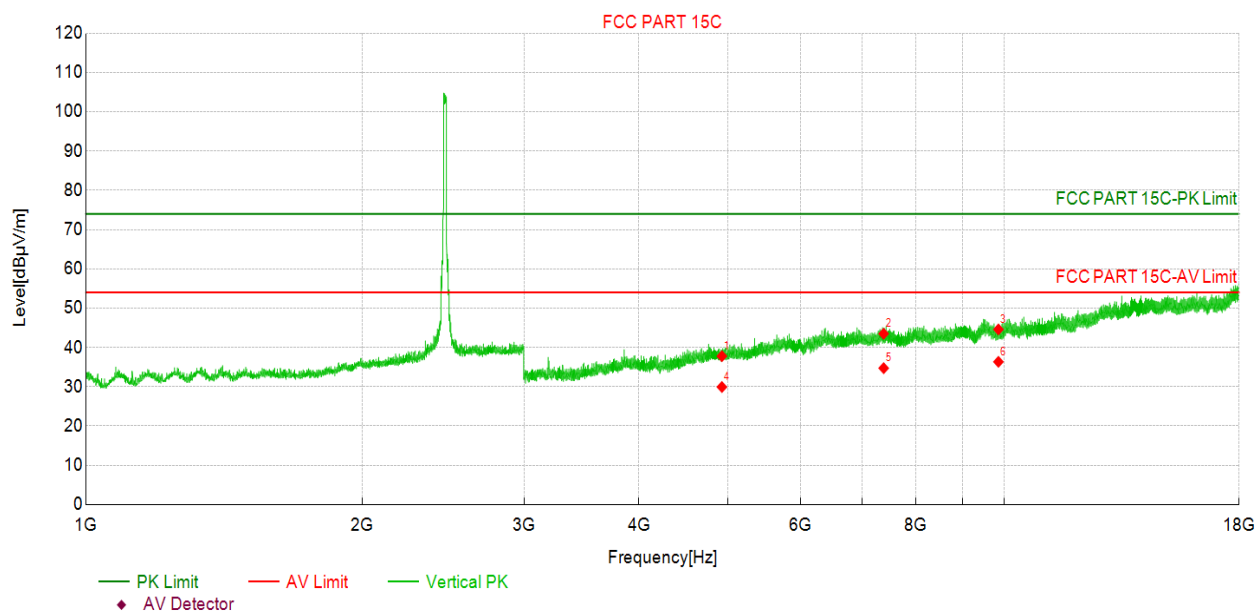


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	44.84	37.96	-6.880	74.00	36.04	PK	Horizo	PASS
2	7386.00	42.04	41.97	-0.070	74.00	32.03	PK	Horizo	PASS
3	9848.00	40.85	43.44	2.590	74.00	30.56	PK	Horizo	PASS
4	4924.00	36.84	29.96	-6.880	54.00	24.04	AV	Horizo	PASS
5	7386.00	34.22	34.15	-0.070	54.00	19.85	AV	Horizo	PASS
6	9848.00	32.72	35.31	2.590	54.00	18.69	AV	Horizo	PASS

Transmit at 2462MHz by 802.11ac(20Mhz) with Ant MAIN+AUX

Test Graph

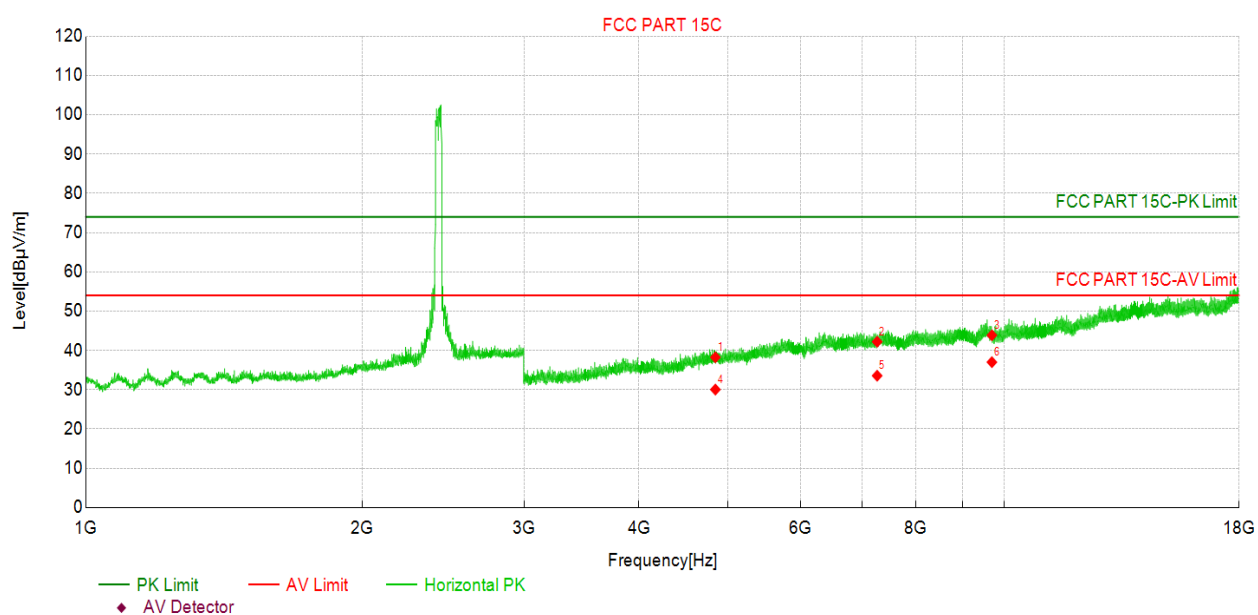


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	44.66	37.78	-6.880	74.00	36.22	PK	Vertic	PASS
2	7386.00	43.56	43.49	-0.070	74.00	30.51	PK	Vertic	PASS
3	9848.00	42.01	44.60	2.590	74.00	29.40	PK	Vertic	PASS
4	4924.00	36.81	29.93	-6.880	54.00	24.07	AV	Vertic	PASS
5	7386.00	34.80	34.73	-0.070	54.00	19.27	AV	Vertic	PASS
6	9848.00	33.76	36.35	2.590	54.00	17.65	AV	Vertic	PASS

Transmit at 2422MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

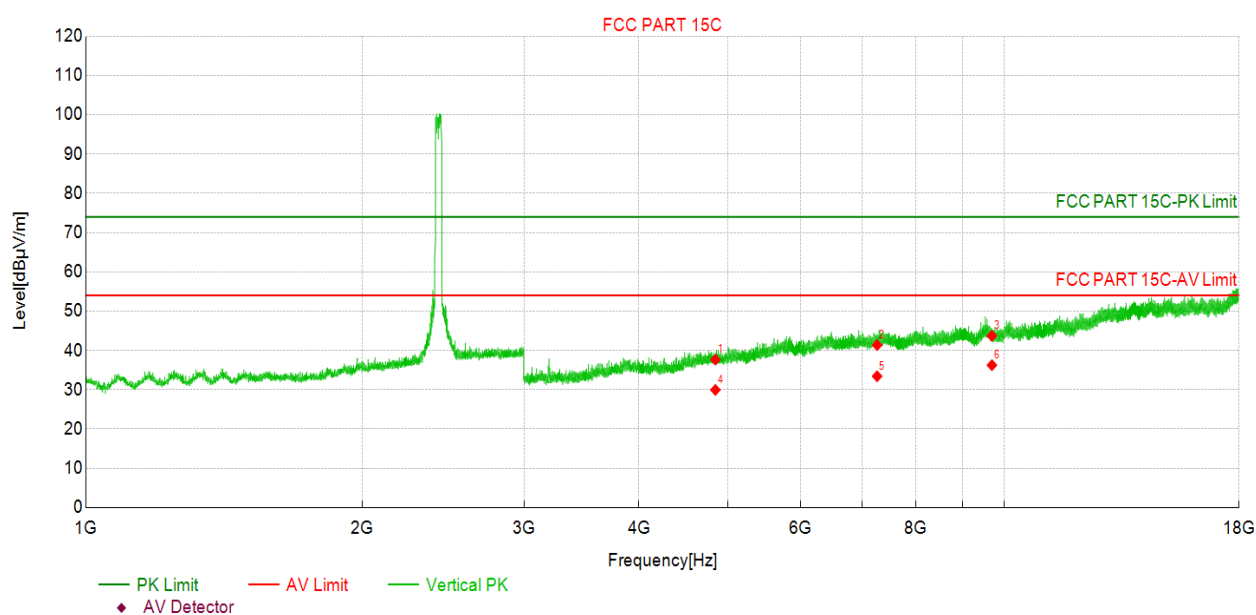


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4844.00	45.30	38.25	-7.050	74.00	35.75	PK	Horizo	PASS
2	7266.00	42.39	42.21	-0.180	74.00	31.79	PK	Horizo	PASS
3	9688.00	41.70	43.86	2.160	74.00	30.14	PK	Horizo	PASS
4	4844.00	37.09	30.04	-7.050	54.00	23.96	AV	Horizo	PASS
5	7266.00	33.75	33.57	-0.180	54.00	20.43	AV	Horizo	PASS
6	9688.00	34.86	37.02	2.160	54.00	16.98	AV	Horizo	PASS

Transmit at 2422MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

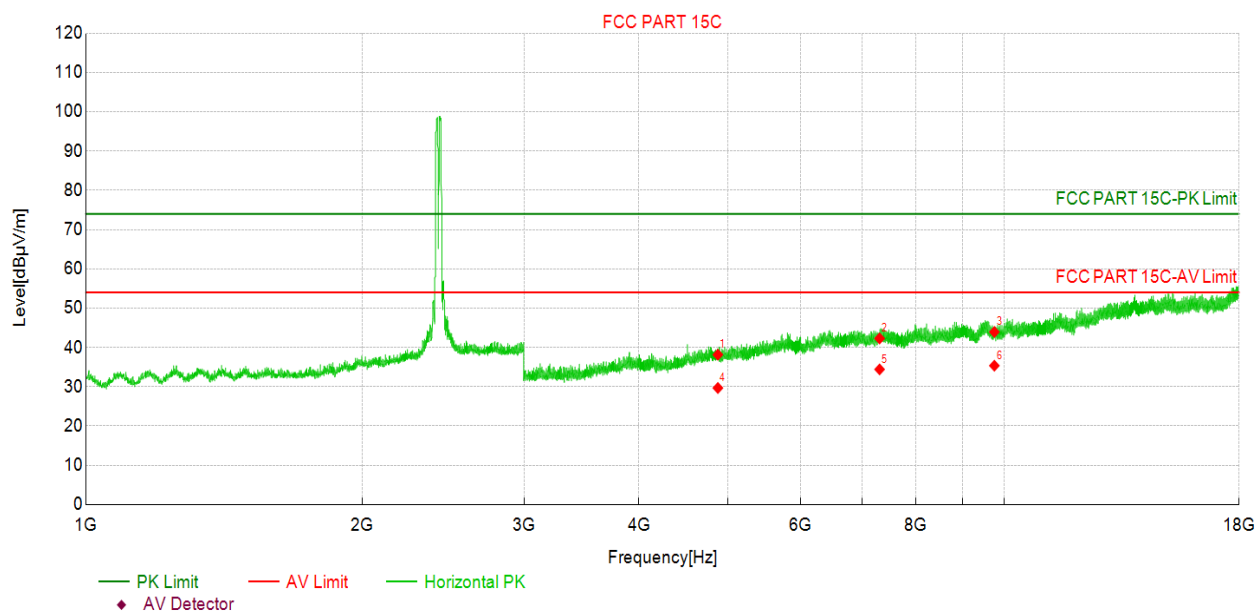


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4844.00	44.70	37.65	-7.050	74.00	36.35	PK	Vertic	PASS
2	7266.00	41.55	41.37	-0.180	74.00	32.63	PK	Vertic	PASS
3	9688.00	41.56	43.72	2.160	74.00	30.28	PK	Vertic	PASS
4	4844.00	37.00	29.95	-7.050	54.00	24.05	AV	Vertic	PASS
5	7266.00	33.61	33.43	-0.180	54.00	20.57	AV	Vertic	PASS
6	9688.00	34.09	36.25	2.160	54.00	17.75	AV	Vertic	PASS

Transmit at 2437MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

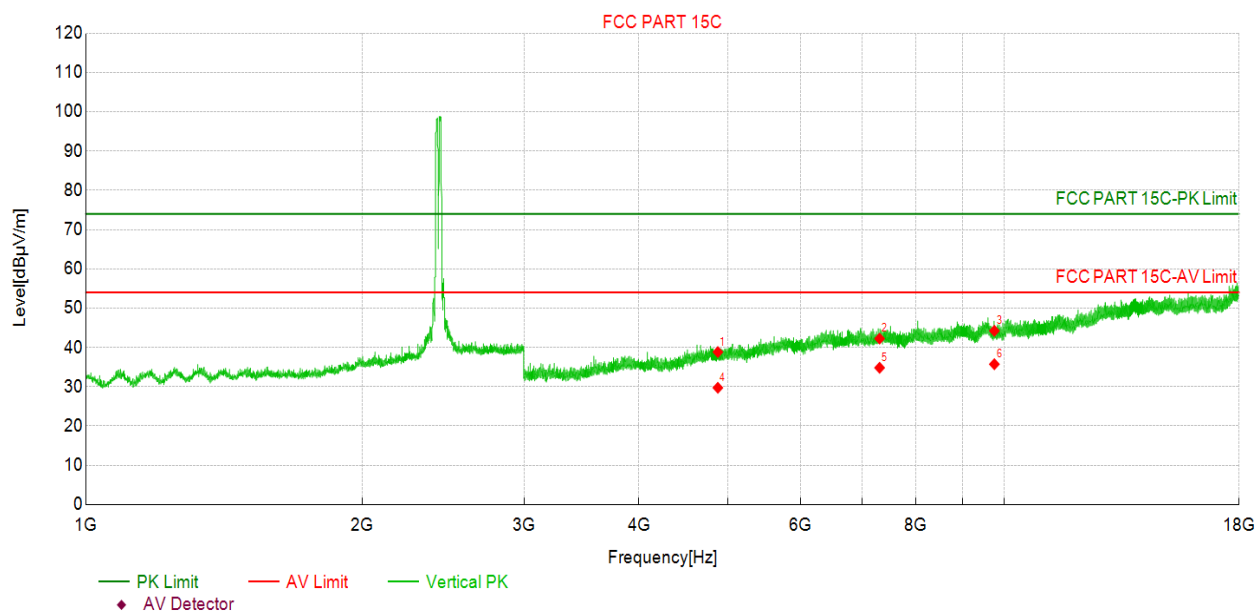


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	45.20	38.16	-7.040	74.00	35.84	PK	Horizo	PASS
2	7311.00	42.48	42.29	-0.190	74.00	31.71	PK	Horizo	PASS
3	9748.00	41.61	43.95	2.340	74.00	30.05	PK	Horizo	PASS
4	4874.00	36.72	29.68	-7.040	54.00	24.32	AV	Horizo	PASS
5	7311.00	34.61	34.42	-0.190	54.00	19.58	AV	Horizo	PASS
6	9748.00	33.01	35.35	2.340	54.00	18.65	AV	Horizo	PASS

Transmit at 2437MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

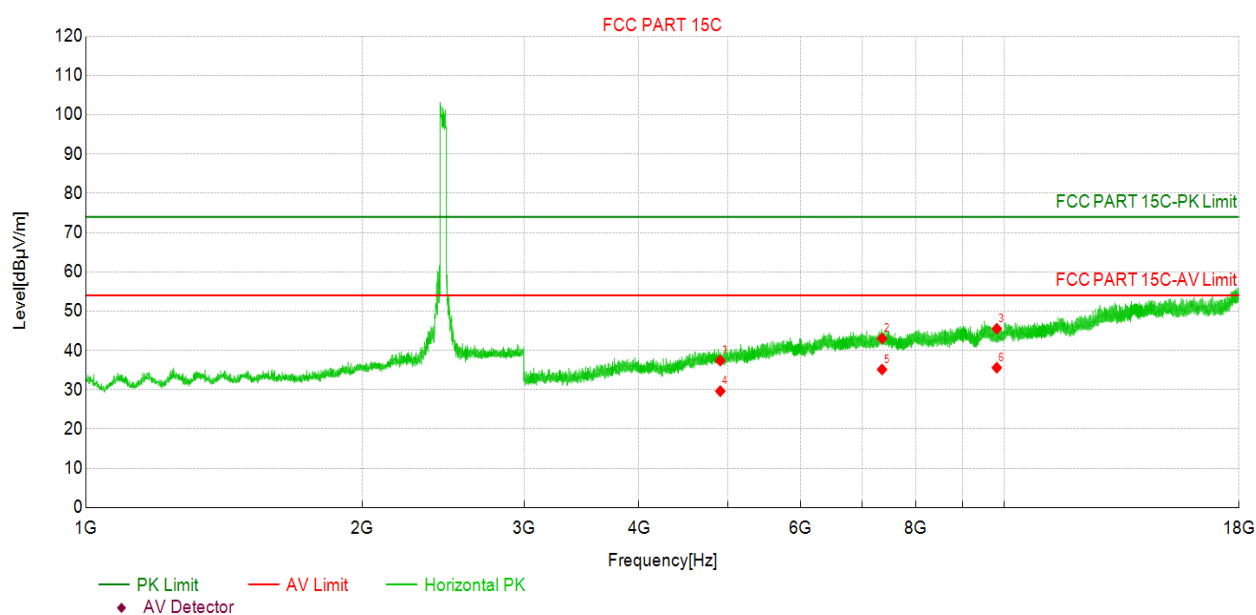


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	45.88	38.84	-7.040	74.00	35.16	PK	Vertic	PASS
2	7311.00	42.44	42.25	-0.190	74.00	31.75	PK	Vertic	PASS
3	9748.00	41.90	44.24	2.340	74.00	29.76	PK	Vertic	PASS
4	4874.00	36.77	29.73	-7.040	54.00	24.27	AV	Vertic	PASS
5	7311.00	35.01	34.82	-0.190	54.00	19.18	AV	Vertic	PASS
6	9748.00	33.40	35.74	2.340	54.00	18.26	AV	Vertic	PASS

Transmit at 2452MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

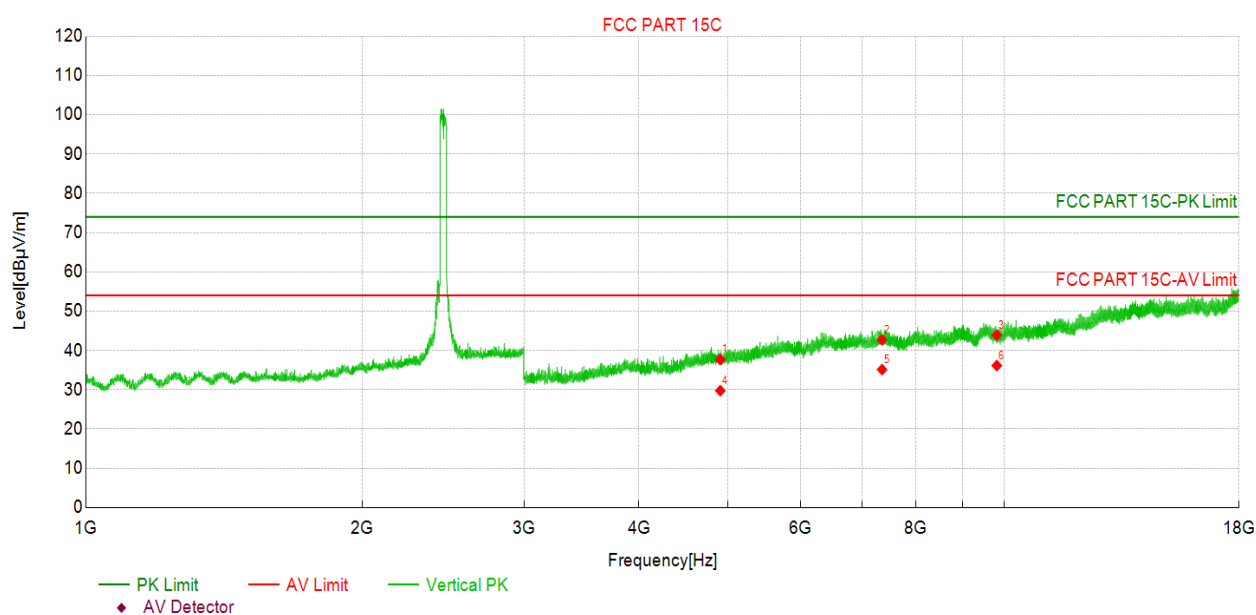


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4904.00	44.42	37.42	-7.000	74.00	36.58	PK	Horizo	PASS
2	7356.00	43.16	43.05	-0.110	74.00	30.95	PK	Horizo	PASS
3	9808.00	42.94	45.54	2.600	74.00	28.46	PK	Horizo	PASS
4	4904.00	36.63	29.63	-7.000	54.00	24.37	AV	Horizo	PASS
5	7356.00	35.26	35.15	-0.110	54.00	18.85	AV	Horizo	PASS
6	9808.00	33.00	35.60	2.600	54.00	18.40	AV	Horizo	PASS

Transmit at 2452MHz by 802.11ac(40Mhz) with Ant MAIN+AUX

Test Graph

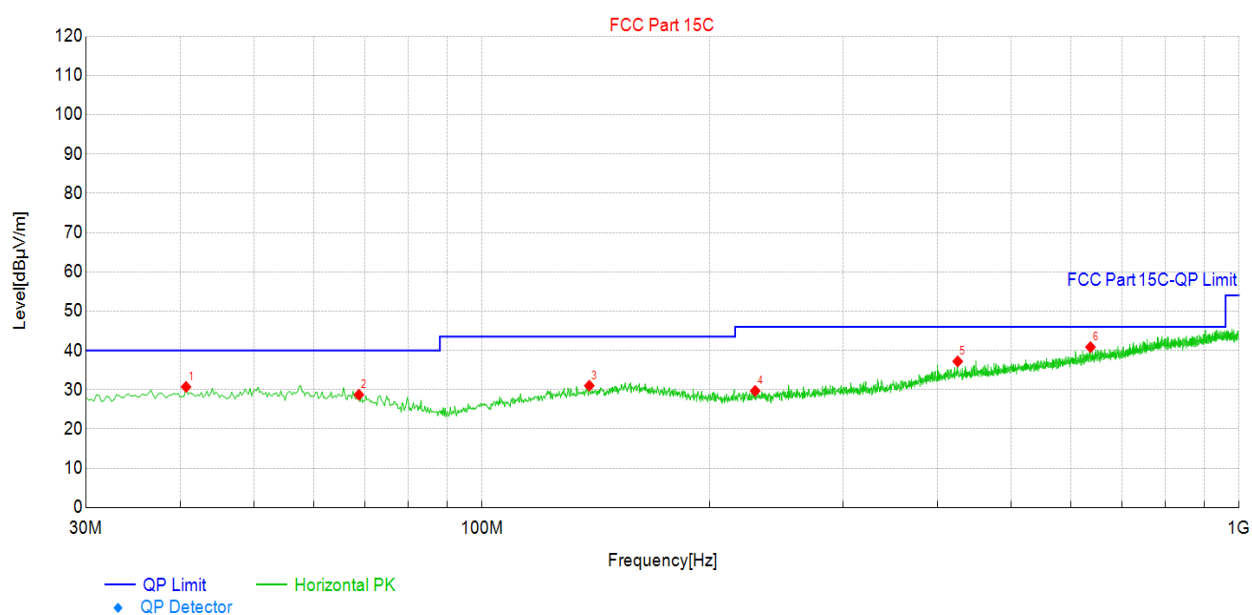


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4904.00	44.69	37.69	-7.000	74.00	36.31	PK	Vertic	PASS
2	7356.00	42.79	42.68	-0.110	74.00	31.32	PK	Vertic	PASS
3	9808.00	41.30	43.90	2.600	74.00	30.10	PK	Vertic	PASS
4	4904.00	36.76	29.76	-7.000	54.00	24.24	AV	Vertic	PASS
5	7356.00	35.23	35.12	-0.110	54.00	18.88	AV	Vertic	PASS
6	9808.00	33.54	36.14	2.600	54.00	17.86	AV	Vertic	PASS

Transmit at 2412MHz by 802.11b with Ant MAIN+AUX

Test Graph

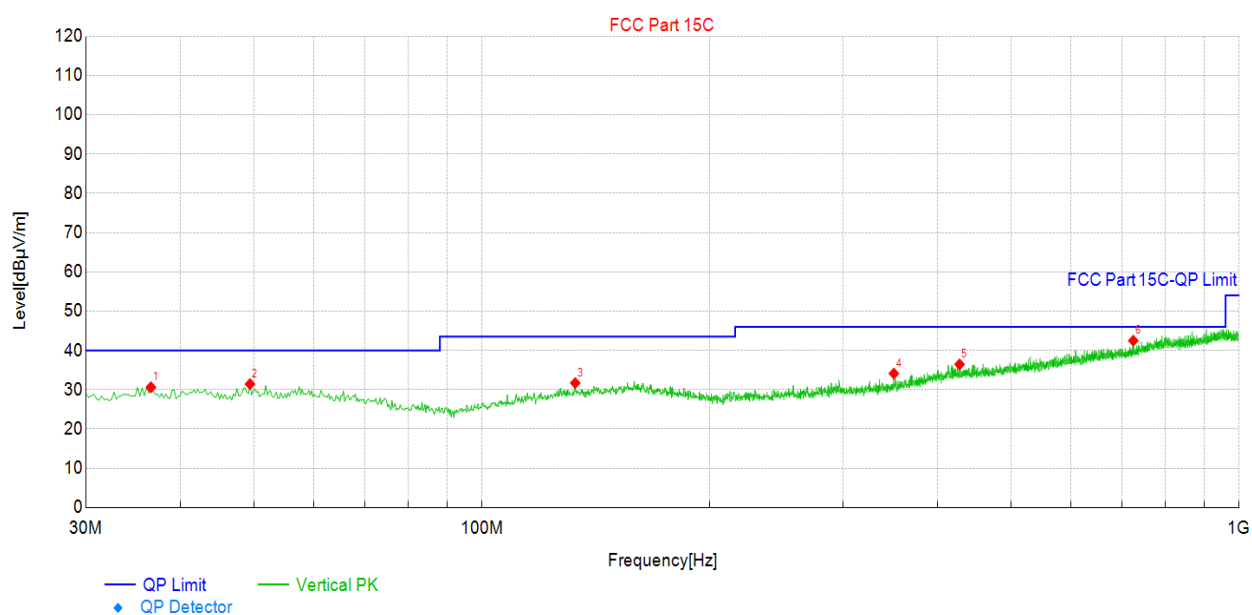


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	40.67	16.04	30.72	14.680	40.00	9.28	PK	Horizo	PASS
2	68.80	15.31	28.72	13.410	40.00	11.28	PK	Horizo	PASS
3	138.64	16.55	31.03	14.480	43.50	12.47	PK	Horizo	PASS
4	229.58	16.20	29.70	13.500	46.00	16.30	PK	Horizo	PASS
5	425.03	17.51	37.21	19.700	46.00	8.79	PK	Horizo	PASS
6	636.49	16.47	40.85	24.380	46.00	5.15	PK	Horizo	PASS

Transmit at 2412MHz by 802.11b with Ant MAIN+AUX

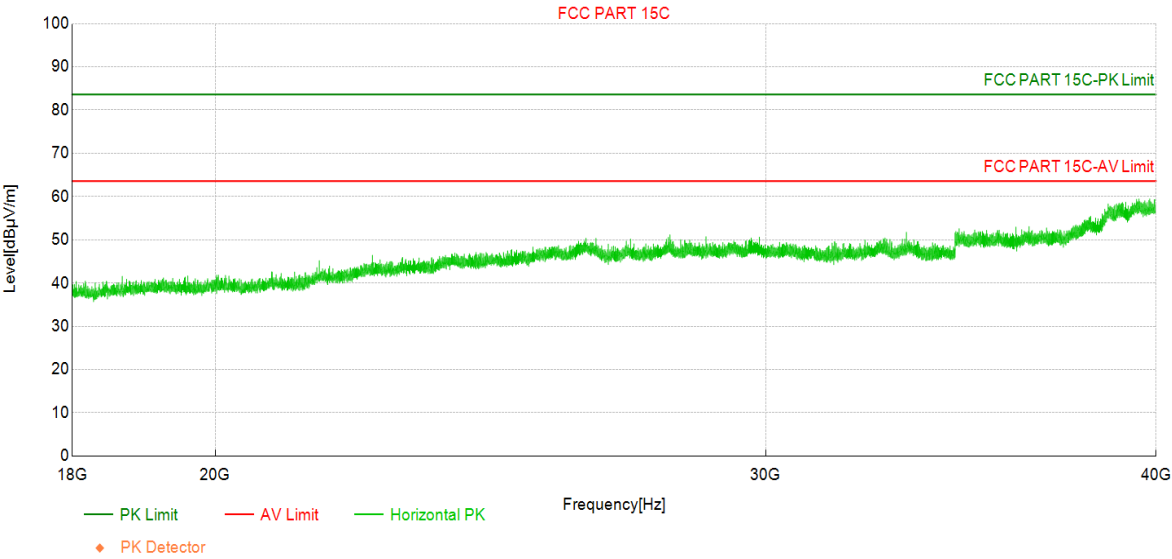
Test Graph



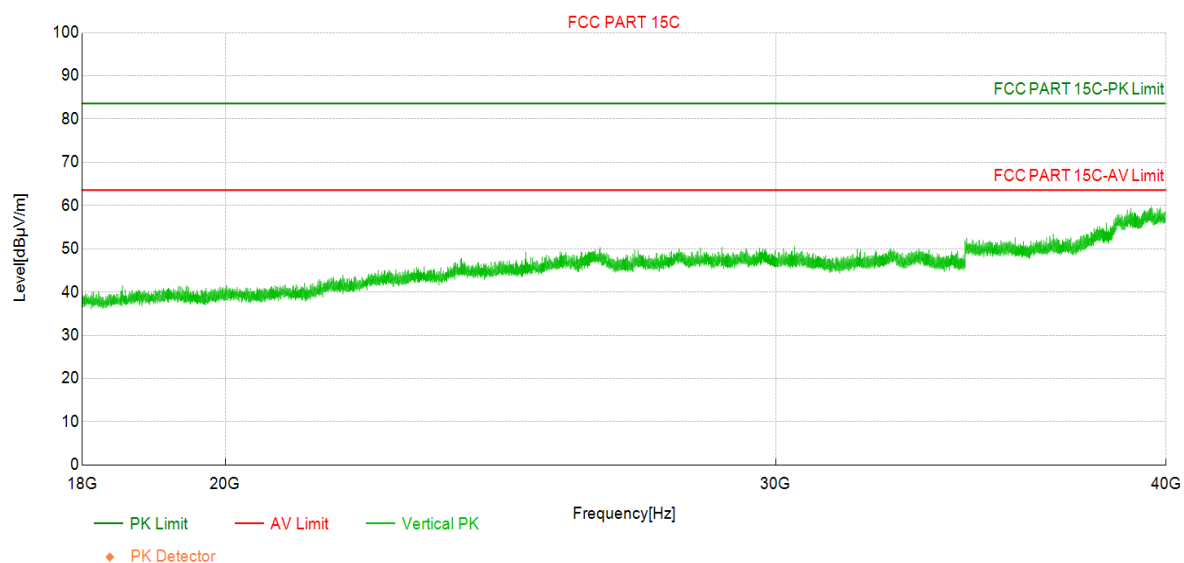
Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	36.55	16.42	30.62	14.200	40.00	9.38	PK	Vertic	PASS
2	49.40	16.71	31.45	14.740	40.00	8.55	PK	Vertic	PASS
3	132.82	17.52	31.72	14.200	43.50	11.78	PK	Vertic	PASS
4	350.10	16.77	34.13	17.360	46.00	11.87	PK	Vertic	PASS
5	427.46	16.73	36.46	19.730	46.00	9.54	PK	Vertic	PASS
6	725.01	16.67	42.49	25.820	46.00	3.51	PK	Vertic	PASS

Test Graph



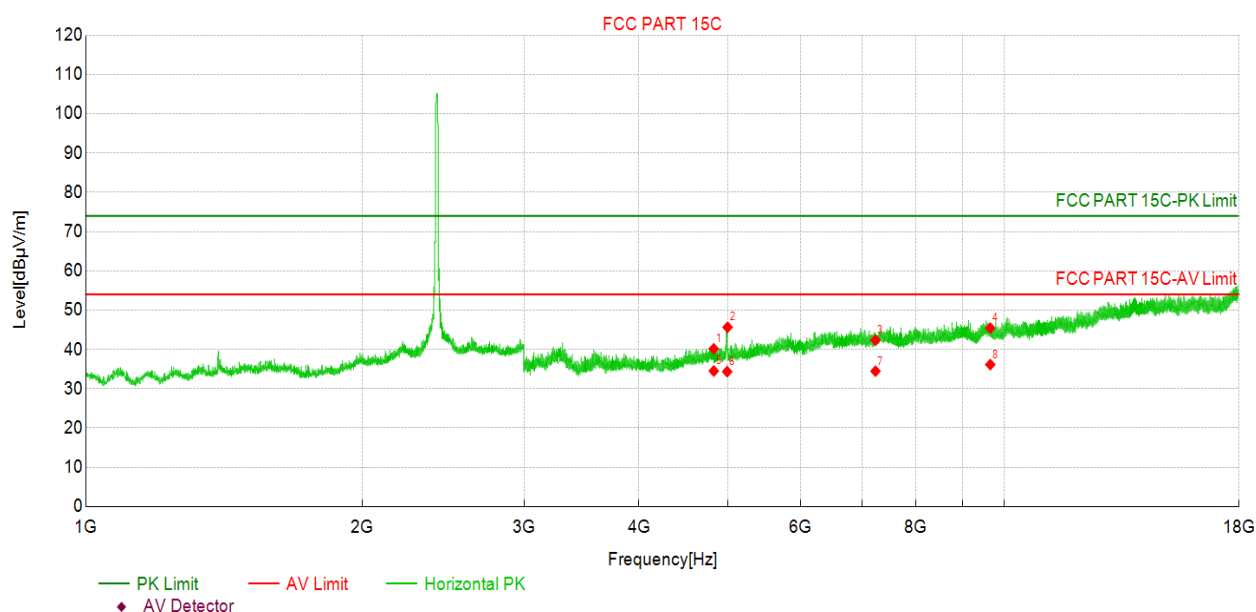
Test Graph



Note: Level = Reading + Factor (Antenna factor + Amplifier factor + Cable loss)

Note: In the report, for the sections below 1G and 18~40G, verification tests were only performed on the worst channel in the worst mode of the 1~18G range.

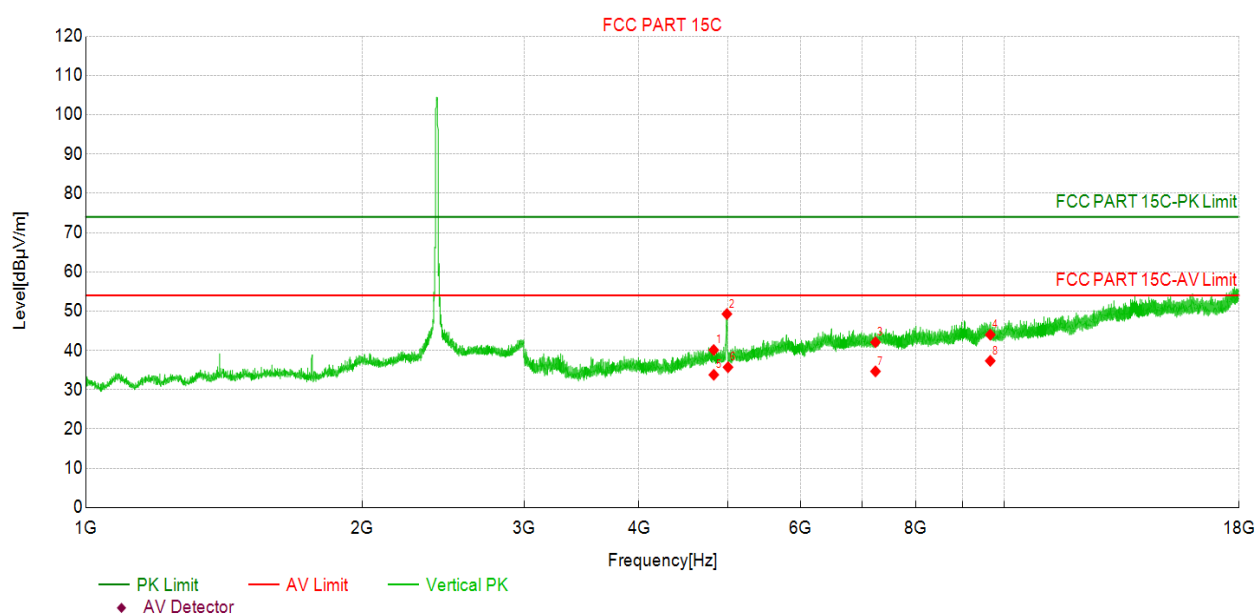
Note: All test data above 18GHz are noise base, so no data shown in this report.

INNOWAVE Antenna:**Transmit at 2412MHz by 802.11b with Ant MAIN+AUX***Test Graph***Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	47.20	40.14	-7.060	74.00	33.86	PK	Horizo	PASS
2	4994.50	52.11	45.65	-6.460	74.00	28.35	PK	Horizo	PASS
3	7236.00	42.56	42.38	-0.180	74.00	31.62	PK	Horizo	PASS
4	9648.00	43.05	45.43	2.380	74.00	28.57	PK	Horizo	PASS
5	4824.50	41.58	34.52	-7.060	54.00	19.48	AV	Horizo	PASS
6	4989.00	40.84	34.35	-6.490	54.00	19.65	AV	Horizo	PASS
7	7236.00	34.65	34.47	-0.180	54.00	19.53	AV	Horizo	PASS
8	9648.00	33.77	36.15	2.380	54.00	17.85	AV	Horizo	PASS

Transmit at 2412MHz by 802.11b with Ant MAIN+AUX

Test Graph

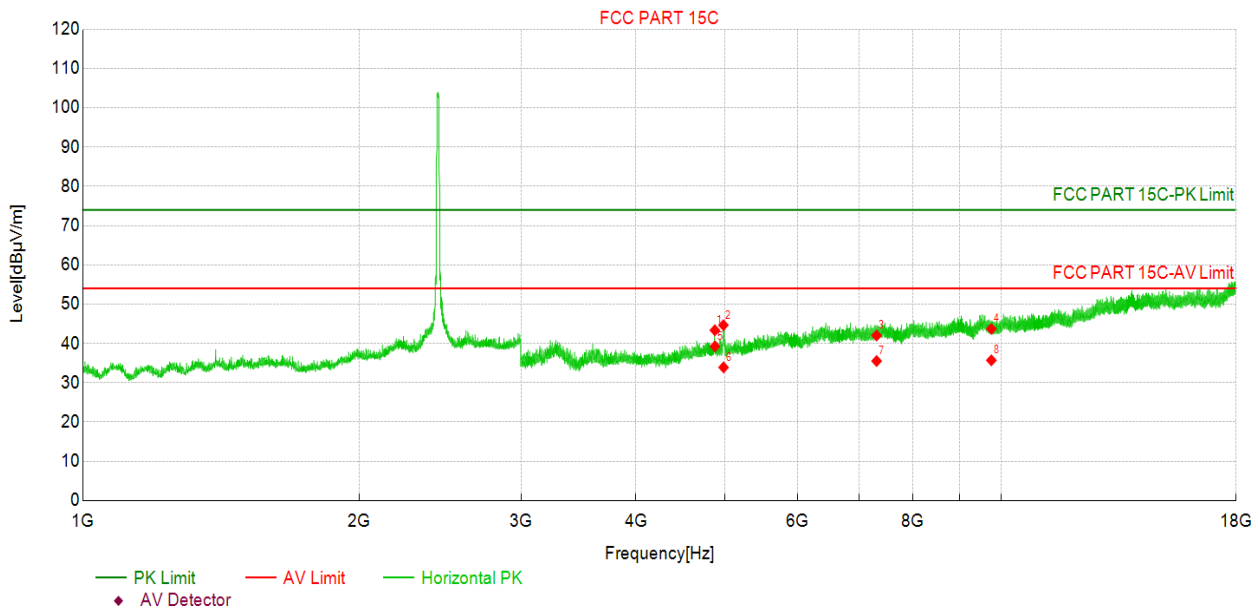


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	47.17	40.11	-7.060	74.00	33.89	PK	Vertic	PASS
2	4986.00	55.79	49.27	-6.520	74.00	24.73	PK	Vertic	PASS
3	7236.00	42.27	42.09	-0.180	74.00	31.91	PK	Vertic	PASS
4	9648.00	41.65	44.03	2.380	74.00	29.97	PK	Vertic	PASS
5	4824.50	40.86	33.80	-7.060	54.00	20.20	AV	Vertic	PASS
6	5000.00	42.16	35.73	-6.430	54.00	18.27	AV	Vertic	PASS
7	7236.00	34.86	34.68	-0.180	54.00	19.32	AV	Vertic	PASS
8	9648.00	34.96	37.34	2.380	54.00	16.66	AV	Vertic	PASS

Transmit at 2437MHz by 802.11b with Ant MAIN+AUX

Test Graph

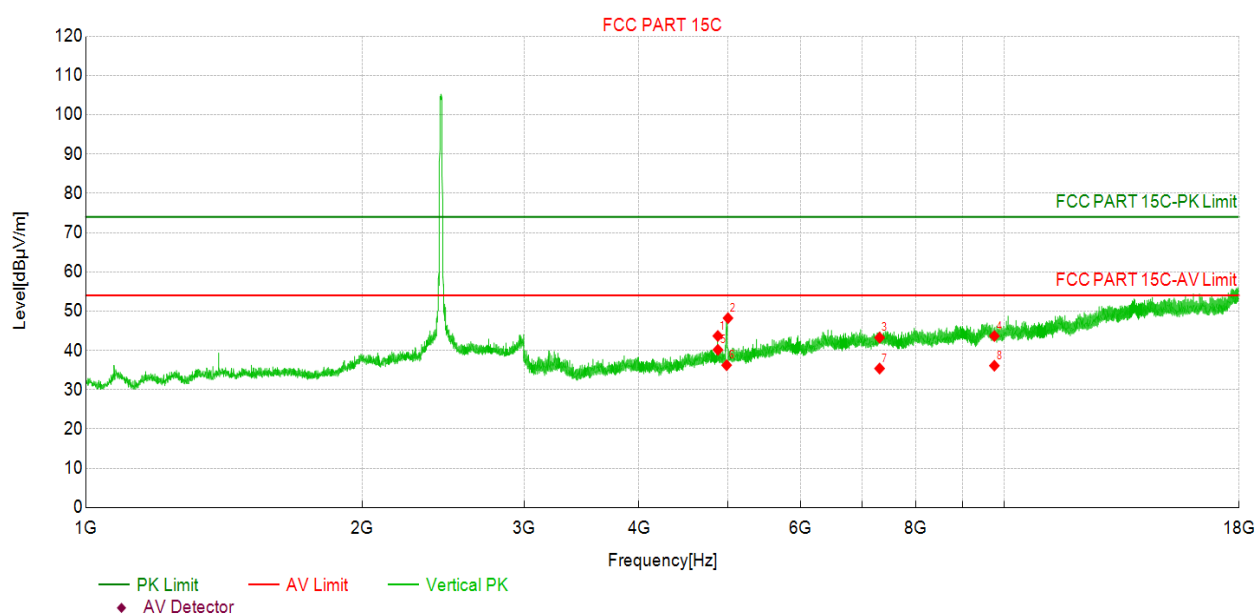


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	50.40	43.36	-7.040	74.00	30.64	PK	Horizo	PASS
2	4980.00	51.21	44.66	-6.550	74.00	29.34	PK	Horizo	PASS
3	7311.00	42.20	42.01	-0.190	74.00	31.99	PK	Horizo	PASS
4	9748.00	41.37	43.71	2.340	74.00	30.29	PK	Horizo	PASS
5	4874.50	46.30	39.26	-7.040	54.00	14.74	AV	Horizo	PASS
6	4981.50	40.44	33.91	-6.530	54.00	20.09	AV	Horizo	PASS
7	7311.00	35.71	35.52	-0.190	54.00	18.48	AV	Horizo	PASS
8	9748.00	33.36	35.70	2.340	54.00	18.30	AV	Horizo	PASS

Transmit at 2437MHz by 802.11b with Ant MAIN+AUX

Test Graph

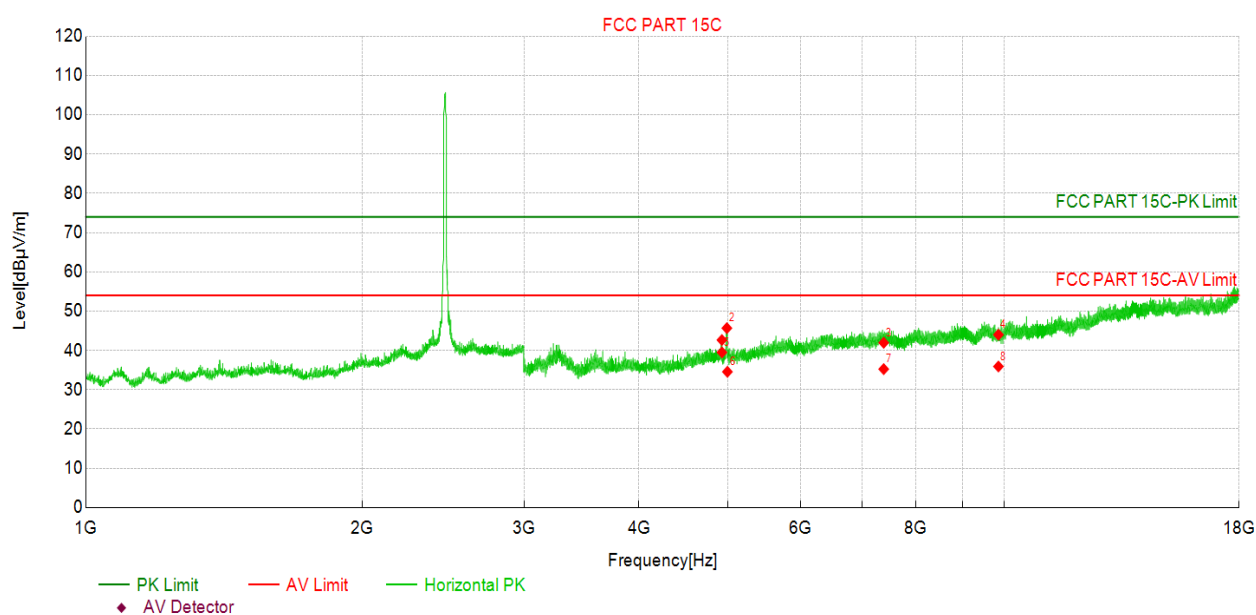


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	50.73	43.69	-7.040	74.00	30.31	PK	Vertic	PASS
2	4999.50	54.66	48.23	-6.430	74.00	25.77	PK	Vertic	PASS
3	7311.00	43.46	43.27	-0.190	74.00	30.73	PK	Vertic	PASS
4	9748.00	41.33	43.67	2.340	74.00	30.33	PK	Vertic	PASS
5	4874.50	47.20	40.16	-7.040	54.00	13.84	AV	Vertic	PASS
6	4982.50	42.78	36.25	-6.530	54.00	17.75	AV	Vertic	PASS
7	7311.00	35.59	35.40	-0.190	54.00	18.60	AV	Vertic	PASS
8	9748.00	33.77	36.11	2.340	54.00	17.89	AV	Vertic	PASS

Transmit at 2462MHz by 802.11b with Ant MAIN+AUX

Test Graph

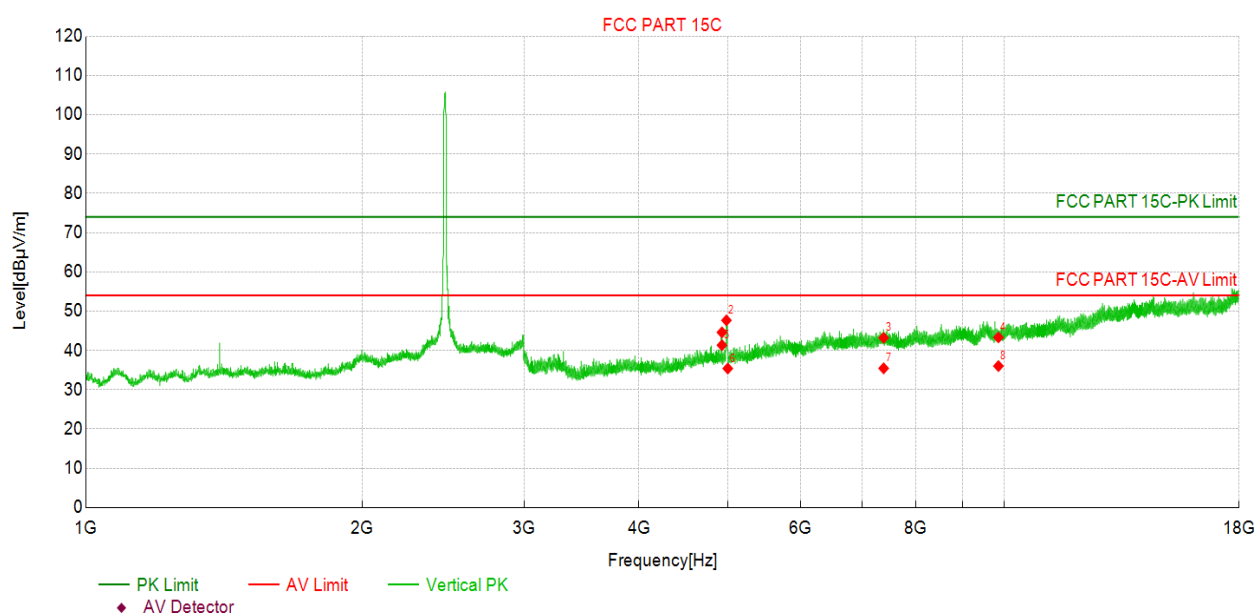


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4923.50	49.55	42.66	-6.890	74.00	31.34	PK	Horizo	PASS
2	4985.50	52.19	45.67	-6.520	74.00	28.33	PK	Horizo	PASS
3	7386.00	42.03	41.96	-0.070	74.00	32.04	PK	Horizo	PASS
4	9848.00	41.41	44.00	2.590	74.00	30.00	PK	Horizo	PASS
5	4924.50	46.39	39.51	-6.880	54.00	14.49	AV	Horizo	PASS
6	4992.50	41.04	34.57	-6.470	54.00	19.43	AV	Horizo	PASS
7	7386.00	35.32	35.25	-0.070	54.00	18.75	AV	Horizo	PASS
8	9848.00	33.33	35.92	2.590	54.00	18.08	AV	Horizo	PASS

Transmit at 2462MHz by 802.11b with Ant MAIN+AUX

Test Graph

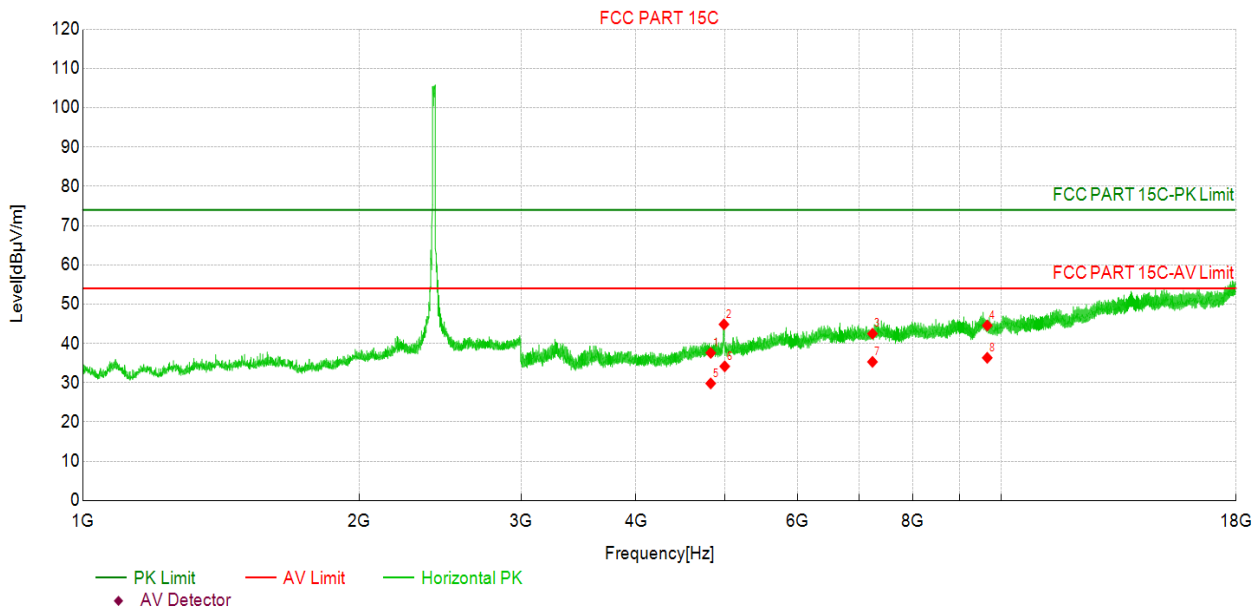


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	51.48	44.60	-6.880	74.00	29.40	PK	Vertic	PASS
2	4980.00	54.21	47.66	-6.550	74.00	26.34	PK	Vertic	PASS
3	7386.00	43.30	43.23	-0.070	74.00	30.77	PK	Vertic	PASS
4	9848.00	40.73	43.32	2.590	74.00	30.68	PK	Vertic	PASS
5	4924.50	48.22	41.34	-6.880	54.00	12.66	AV	Vertic	PASS
6	4997.00	41.85	35.40	-6.450	54.00	18.60	AV	Vertic	PASS
7	7386.00	35.52	35.45	-0.070	54.00	18.55	AV	Vertic	PASS
8	9848.00	33.44	36.03	2.590	54.00	17.97	AV	Vertic	PASS

Transmit at 2412MHz by 802.11g with Ant MAIN+AUX

Test Graph

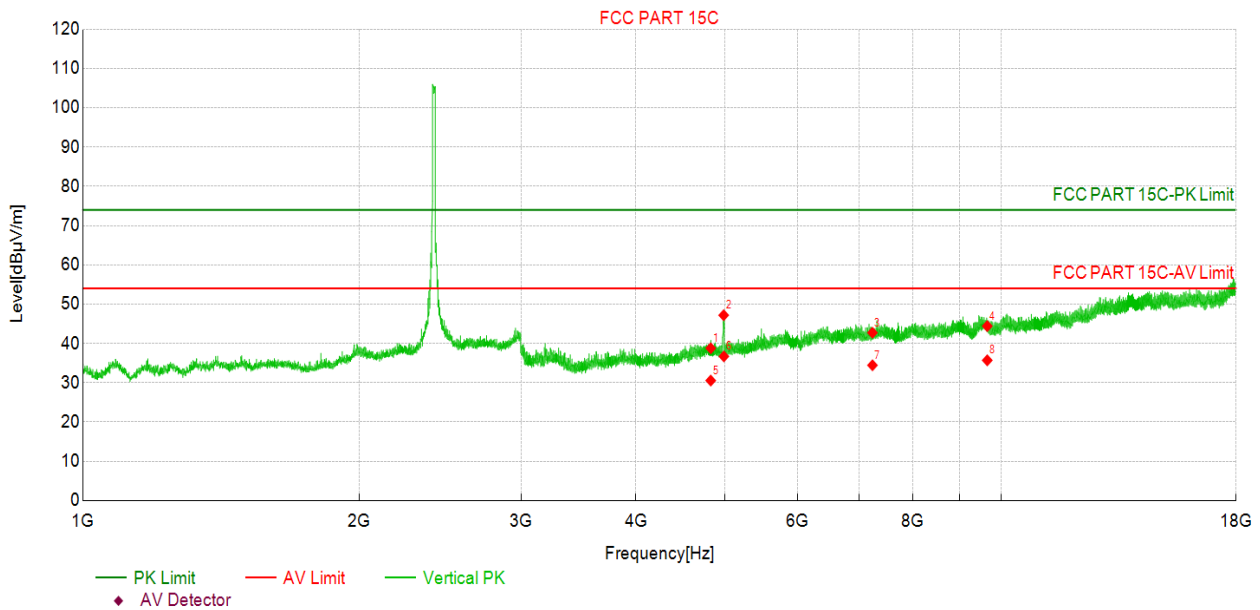


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	44.66	37.60	-7.060	74.00	36.40	PK	Horizo	PASS
2	4986.50	51.35	44.85	-6.500	74.00	29.15	PK	Horizo	PASS
3	7236.00	42.67	42.49	-0.180	74.00	31.51	PK	Horizo	PASS
4	9648.00	42.19	44.57	2.380	74.00	29.43	PK	Horizo	PASS
5	4824.00	36.88	29.82	-7.060	54.00	24.18	AV	Horizo	PASS
6	4996.00	40.64	34.18	-6.460	54.00	19.82	AV	Horizo	PASS
7	7236.00	35.49	35.31	-0.180	54.00	18.69	AV	Horizo	PASS
8	9648.00	33.97	36.35	2.380	54.00	17.65	AV	Horizo	PASS

Transmit at 2412MHz by 802.11g with Ant MAIN+AUX

Test Graph

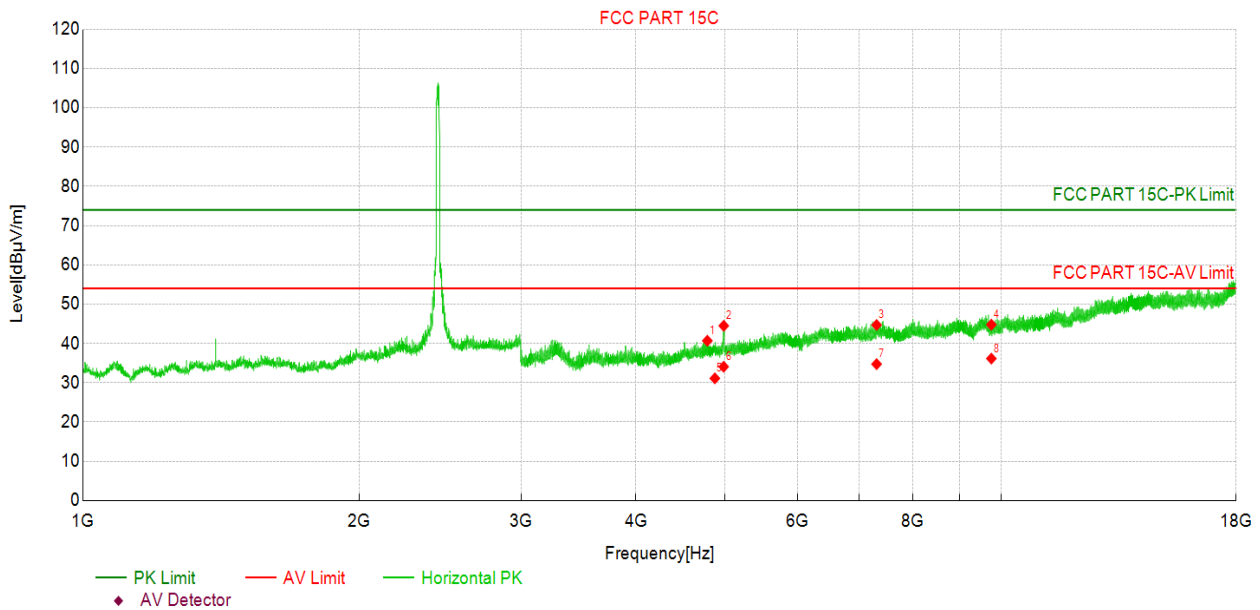


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4824.00	45.84	38.78	-7.060	74.00	35.22	PK	Vertic	PASS
2	4983.00	53.72	47.19	-6.530	74.00	26.81	PK	Vertic	PASS
3	7236.00	42.91	42.73	-0.180	74.00	31.27	PK	Vertic	PASS
4	9648.00	42.03	44.41	2.380	74.00	29.59	PK	Vertic	PASS
5	4824.00	37.61	30.55	-7.060	54.00	23.45	AV	Vertic	PASS
6	4985.50	43.23	36.71	-6.520	54.00	17.29	AV	Vertic	PASS
7	7236.00	34.62	34.44	-0.180	54.00	19.56	AV	Vertic	PASS
8	9648.00	33.33	35.71	2.380	54.00	18.29	AV	Vertic	PASS

Transmit at 2437MHz by 802.11g with Ant MAIN+AUX

Test Graph

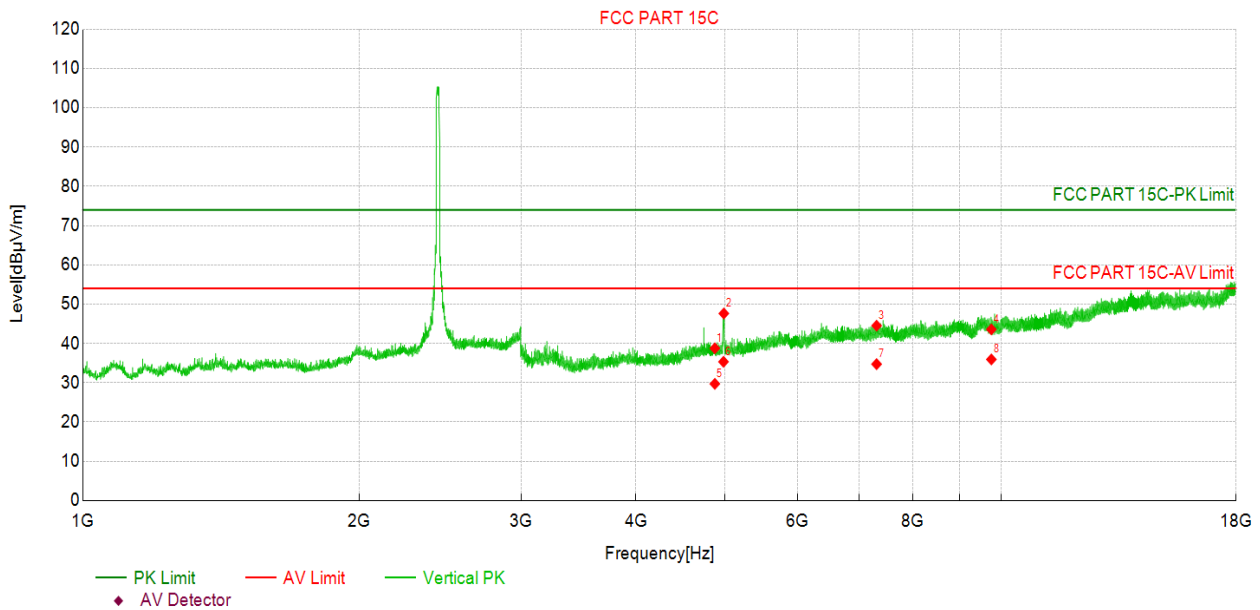


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4783.00	47.79	40.69	-7.100	74.00	33.31	PK	Horizo	PASS
2	4984.00	51.02	44.50	-6.520	74.00	29.50	PK	Horizo	PASS
3	7311.00	44.89	44.70	-0.190	74.00	29.30	PK	Horizo	PASS
4	9748.00	42.44	44.78	2.340	74.00	29.22	PK	Horizo	PASS
5	4874.00	38.16	31.12	-7.040	54.00	22.88	AV	Horizo	PASS
6	4983.00	40.61	34.08	-6.530	54.00	19.92	AV	Horizo	PASS
7	7311.00	34.92	34.73	-0.190	54.00	19.27	AV	Horizo	PASS
8	9748.00	33.80	36.14	2.340	54.00	17.86	AV	Horizo	PASS

Transmit at 2437MHz by 802.11g with Ant MAIN+AUX

Test Graph

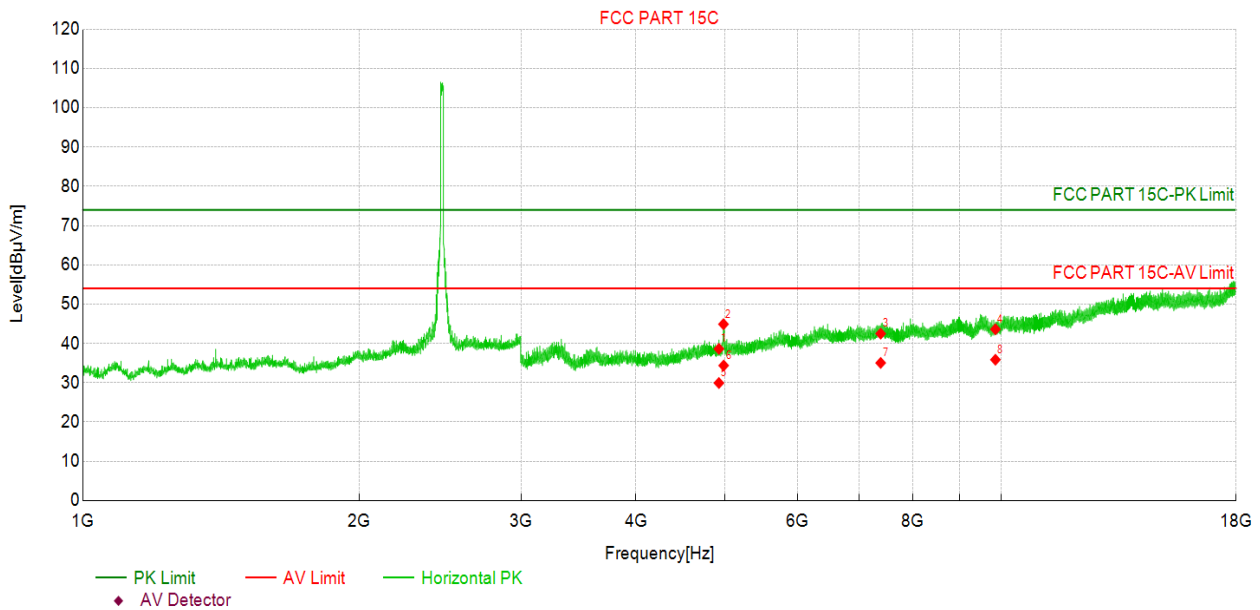


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4874.00	45.81	38.77	-7.040	74.00	35.23	PK	Vertic	PASS
2	4985.00	54.15	47.63	-6.520	74.00	26.37	PK	Vertic	PASS
3	7311.00	44.71	44.52	-0.190	74.00	29.48	PK	Vertic	PASS
4	9748.00	41.24	43.58	2.340	74.00	30.42	PK	Vertic	PASS
5	4874.00	36.76	29.72	-7.040	54.00	24.28	AV	Vertic	PASS
6	4981.00	41.87	35.33	-6.540	54.00	18.67	AV	Vertic	PASS
7	7311.00	34.92	34.73	-0.190	54.00	19.27	AV	Vertic	PASS
8	9748.00	33.60	35.94	2.340	54.00	18.06	AV	Vertic	PASS

Transmit at 2462MHz by 802.11g with Ant MAIN+AUX

Test Graph

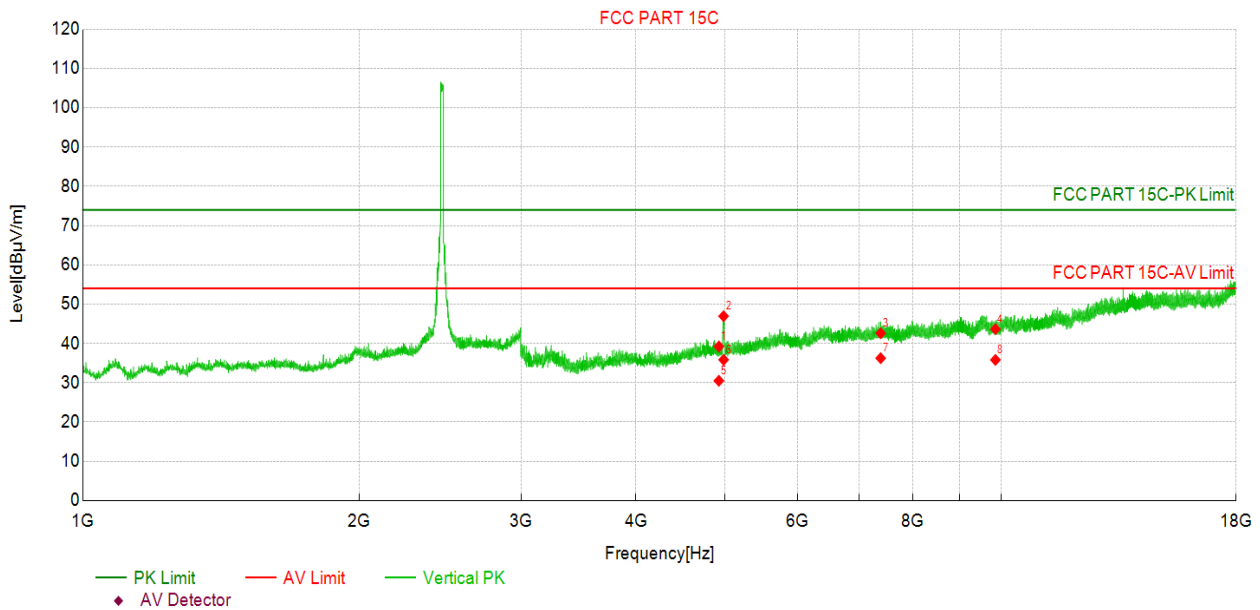


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	45.51	38.63	-6.880	74.00	35.37	PK	Horizo	PASS
2	4980.50	51.45	44.90	-6.550	74.00	29.10	PK	Horizo	PASS
3	7386.00	42.57	42.50	-0.070	74.00	31.50	PK	Horizo	PASS
4	9848.00	41.02	43.61	2.590	74.00	30.39	PK	Horizo	PASS
5	4924.00	36.81	29.93	-6.880	54.00	24.07	AV	Horizo	PASS
6	4983.00	40.91	34.38	-6.530	54.00	19.62	AV	Horizo	PASS
7	7386.00	35.12	35.05	-0.070	54.00	18.95	AV	Horizo	PASS
8	9848.00	33.27	35.86	2.590	54.00	18.14	AV	Horizo	PASS

Transmit at 2462MHz by 802.11g with Ant MAIN+AUX

Test Graph



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	4924.00	46.11	39.23	-6.880	74.00	34.77	PK	Vertic	PASS
2	4982.00	53.47	46.94	-6.530	74.00	27.06	PK	Vertic	PASS
3	7386.00	42.66	42.59	-0.070	74.00	31.41	PK	Vertic	PASS
4	9848.00	41.07	43.66	2.590	74.00	30.34	PK	Vertic	PASS
5	4924.00	37.38	30.50	-6.880	54.00	23.50	AV	Vertic	PASS
6	4982.50	42.38	35.85	-6.530	54.00	18.15	AV	Vertic	PASS
7	7386.00	36.31	36.24	-0.070	54.00	17.76	AV	Vertic	PASS
8	9848.00	33.22	35.81	2.590	54.00	18.19	AV	Vertic	PASS