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Test report No:
2570577R.701B

FCC TEST REPORT

Product Name	Mobile Computer
Model and /or type reference	PM84P
Trademark	N/A
FCC ID	V2X-PM84P
Applicant´s name / address	POINT MOBILE Co., Ltd. A-26F, Building Gasan Publik 178, Digital-ro, Geumcheon-gu Seoul, 08513 Republic of Korea
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)	Jun Xu/Project Engineer
Approved by (name / position & signature)	Frank He/Technical Manager
Date of issue	2025-12-05
Report Version	V1.0
Report template No	Template_FCC Part 15C-RF-V1.0

INDEX

page

Competences and Guarantees 4
General conditions 4
Environmental conditions 4
Possible test case verdicts 5
Abbreviations 5
Document History 6
Remarks and Comments 6
Used Equipment 7
Uncertainty 10
1 General Information 11
1.1 General Description of the Item(s) 11
1.2 Channel List 12
2 Description of Test Setup 13
2.1 Auxiliary equipment /Accessories/Test software for the EUT 13
2.2 Worst-case configuration and mode 14
2.3 Power setting in test 15
3 Verdict summary section 16
3.1 Standards 16
3.2 Deviation(s) from the Standard(s) / Test Specification(s) 16
3.3 Overview of results 17
3.4 Test Facility 18
4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE 19
4.1 Emissions in restricted frequency bands 19
4.1.1 Limit 19
4.1.2 Test Setup 21
4.1.3 Test Procedure 22
4.2 Emissions in non-restricted frequency band 23
4.2.1 Limit 23
4.2.2 Test Setup 23
4.2.3 Test Procedure 23
4.3 Duty cycle 24
4.3.1 Limit 24
4.3.2 Test Setup 24
4.3.3 Test Procedure 24

4.4 Radiated Emission Band Edge 25
4.4.1 Limit....25
4.4.2 Test Setup....25
4.4.3 Test Procedure 26
4.5 DTS Bandwidth 27
4.5.1 Limit....27
4.5.2 Test Setup....27
4.5.3 Test Procedure 27
4.6 Fundamental emission output power 28
4.6.1 Limit....28
4.6.2 Test Setup....28
4.6.3 Test Procedure 29
4.7 Power Density 31
4.7.1 Limit:....31
4.7.2 Test Setup....31
4.7.3 Test Procedure 31
4.8 AC Power Line Conducted Emission 33
4.8.1 Limit....33
4.8.2 Test Setup....33
4.8.3 Test Procedure....33
4.9 Antenna Requirement 34
4.9.1 Limit:....34
4.9.2 Antenna Connector Construction:....34
5 Test setup photo and EUT Photo 35
6 Test Result 36
Appendix A: DTS Bandwidth 36
Appendix B: Maximum conducted output power 43
Appendix C: Maximum power spectral density 44
Appendix D: Band edge measurements....61
Appendix E: Conducted Spurious Emission....117
Appendix F: Duty Cycle 139
Appendix G: Emissions in Restricted Bands 146
Appendix H : AC Power Line Conducted Emission....184

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.

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GENERAL CONDITIONS

Test Location A	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Test Location B	No. 8213, Fanhua Avenue, Baohe District, Hefei City, Anhui Province, China
Date(receive sample)	Aug. 04, 2025
Date (start test)	Aug. 09, 2025
Date (finish test)	Nov. 04, 2025
Note: Radiated Emission and Radiated Emission Band Edge were completed at Test Location B, and other tests were completed at Test Location A.	

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.

ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	:	Equipment Under Test
QP	:	Quasi-Peak
CAV	:	CISPR Average
AV	:	Average
CDN	:	Coupling Decoupling Network
SAC	:	Semi-Anechoic Chamber
OATS	:	Open Area Test Site
BW	:	Bandwidth
AM	:	Amplitude Modulation
PM	:	Pulse Modulation
HCP	:	Horizontal Coupling Plane
VCP	:	Vertical Coupling Plane
U_N	:	Nominal voltage
*T*x	:	Transmitter
*R*x	:	Receiver
N/A	:	Not Applicable
N/M	:	Not Measured

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2570577R.701B	V1.0	Initial issue of report.	2025-12-05

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with 47 CFR FCC Part 15 (Section 15.247).
3. 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.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:

- Chapter 1.1 General Description of the Item(s);
- Chapter 1.2 Channel List;

USED EQUIPMENT

Test Location A :Conducted Test/ TR8

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
Wireless Connectivity Tester	R&S	CMW 270	102593	2025.05.10	2026.05.09	V 4.0.60	N/A
Coaxial Cable	N/A	N/A	2477	2025.06.10	2026.06.09	N/A	N/A
Coaxial Cable	N/A	N/A	2478	2025.06.10	2026.06.09	N/A	N/A
High and low temperature and fast temperature change test box	ASTUOD	ASTD-FBT-225K	N/A	2025.03.16	2026.03.15	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	RF07	2025.06.17	2026.06.16	N/A	N/A
Test system							
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
MAX Signal Analyzer	Keysight	N9010A	MY48030494	2024.10.26	2025.10.25	A.14.03	N/A
MAX Signal Analyzer	Keysight	N9010A	MY48030494	2025.09.20	2026.09.19	A.14.03	N/A
RF Control Unit	Tonscend	JS0806-2	22G8060594	2025.01.26	2026.01.25	N/A	N/A
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY61252529	2025.03.23	2026.03.22	B.01.96	N/A
Frequency extender for EXG or MXG	Keysight	N5182BX07	MY59362500	2025.03.23	2026.03.22	N/A	N/A
EXG-B MW Analog Signal Generator	Keysight	N5173B	MY61252566	2025.05.10	2026.05.09	B.01.95	N/A
Test Software	Tonscend	TS1120	JS1120-3	N/A	N/A	N/A	V3.0.22

Test Location A :AC Power Line Conducted Emission / TR1

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
EMI Test Receiver	R&S	ESCI	100726	2025.05.18	2026.05.17	4.42 SP1	N/A
Two-Line V-Network	R&S	ENV 216	101044	2024.10.26	2025.10.25	N/A	N/A
Two-Line V-Network	R&S	ENV 216	101044	2025.09.20	2026.09.19	N/A	N/A
Two-Line V-Network	R&S	ENV 216	101189	2025.05.10	2026.05.09	N/A	N/A
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2025.03.16	2026.03.15	N/A	N/A
Coaxial Cable	Huber+Suhner	RG 223	TR1-C1	2025.03.16	2026.03.15	N/A	N/A
Impedance Stabilization Network	Teseq GmbH	ISN T800	57318	2025.02.25	2026.02.24	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	EMC01	2025.06.17	2026.06.16	N/A	N/A
Shielding room	Quietek	4.9m*4m*3m	TR1	2023.03.04	2028.03.03	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	N/A

Test Location A :Radiated Emission(9KHz-1GHz) / AC2

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
EMI Test Receiver	R&S	ESCI	100573	2025.01.11	2026.01.10	4.42 SP3	N/A
Loop Antenna	R&S	HFH2-Z2E	101149	2025.04.16	2026.04.15	N/A	N/A
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2025.03.24	2026.03.23	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	AC2-TH	2025.06.17	2026.06.16	N/A	N/A
Coaxial Cable	Huber+Suhner	RTS-1909	THM-021	2025.04.30	2026.04.29	N/A	N/A
Anechoic chamber	Quietek	9m*6m*6m	AC2	2024.07.07	2029.07.06	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	3

Test Location A: Radiated Emission (1GHz-40GHz) / AC6

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
Signal analyzer	Agilent	N9020A	MY49100159	2025.05.10	2026.05.09	A 08.54	N/A
Power Amplifier	MVE	MPC1018.50	C30002D	2025.05.17	2026.05.16	N/A	N/A
DRG Horn Antenna	RFSPIN	DRH18-E	CE2C07A18EN	2024.12.07	2025.12.06	N/A	N/A
Broad-Band Horn Antenna	SCHWARZBECK	BBHA 9170	750	2024.11.24	2025.11.23	N/A	N/A
Pre-Amplifier	Schwarzbeck	BBV 9721	00114	2025.05.17	2026.05.16	N/A	N/A
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9168	1231	2025.05.28	2026.05.27	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	RF04	2025.06.17	2026.06.16	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	RF08	2025.06.17	2026.06.16	N/A	N/A
Anechoic chamber	Quietek	9m*5.5m*5.5m	AC6	2024.06.30	2029.06.29	N/A	N/A
Test Software	Tonscend	JS36	JS36-RSE	N/A	N/A	N/A	5.0.0

Test Location B: Radiated Emission Band Edge / AC103

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
Signal analyzer	keysight	N9020B	MY63490118	2025.08.08	2026.08.07	A 08.54	N/A
Bilog Antenna	TESEQ	CBL6112D	64164	2024.11.23	2025.11.22	N/A	N/A
Horn Antenna	RF SPIN	DRH18-E	KV2D11A18ES	2024.11.02	2025.11.01	N/A	N/A
Horn Antenna	RF SPIN	DRH18-E	KV2D11A18ES	2025.10.19	2026.10.18	N/A	N/A
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	01312	2024.10.28	2025.10.27	N/A	N/A
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	01312	2025.10.24	2026.10.23	N/A	N/A
Amplifier	ESE	LNA0118	LNA23100009	2025.05.10	2026.05.09	N/A	N/A
Amplifier	Tonscend	TAP01018048S	AP23J8060307	2024.11.16	2025.11.15	N/A	N/A
Band Reject Filter Group	Tonscend	JS0806-F	23G806F0701	2024.11.20	2025.11.19	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	026	2024.09.04	2025.09.03	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	026	2025.08.25	2026.08.24	N/A	N/A
Test Software	Tonscend	JS36	N/A	N/A	N/A	N/A	5.0.0

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 A	Uncertainty
AC Power Line Conducted Emission	± 2.92 dB
Peak Power Output	± 1.13 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 4.60 dB 200MHz~1GHz: 4.10 dB Vertical: 30MHz~200MHz: 4.80 dB 200MHz~1GHz: 4.10 dB
Radiated Emission(1GHz~40GHz)	Horizontal: 1GHz~18GHz: 5.00 dB Vertical: 1GHz~18GHz: 4.80 dB Horizontal: 18GHz~40GHz: 4.70 dB Vertical: 18GHz~40GHz: 4.60 dB
RF antenna conducted test	± 1.13 dB
Radiated Emission Band Edge	± 5.00 dB
DTS Bandwidth	± 279 Hz
Occupied Bandwidth	± 279 Hz
Power Density	± 1.13 dB

Test item Test Location B	Uncertainty
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 4.86 dB 300MHz~1GHz: 4.86 dB Vertical: 30MHz~200MHz: 4.92 dB 300MHz~1GHz: 4.92 dB
Radiated Emission(1GHz~40GHz)	Horizontal: 1GHz~18GHz: 5.99 dB Vertical: 1GHz~18GHz: 5.76 dB Horizontal: 18GHz~40GHz: 5.99 dB Vertical: 18GHz~40GHz: 5.76 dB
Radiated Emission Band Edge	± 5.99 dB

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name:	Mobile Computer	
Model Name:	PM84P	
Trademark.:	N/A	
FCC ID:	V2X-PM84P	
Power Supply:	3.87Vdc, EUT is equipped with an adapter to power it via AC/DC.	
Hardware Version:	MP	
Software Version:	PM84PG15.00	
Manufacturer:	POINT MOBILE Co., Ltd.	
Manufacturer Address:	A-26F, Building Gasan Publik 178, Digital-ro, Geumcheon-gu Seoul, 08513 Republic of Korea	
Test Matrix/ IMEI:	RF Conducted	352336370002521
	RSE	352336370002315
Wireless specifiction:	802.11b/g/n/ax	
Operating frequency range(s):	2412~2462MHz	
Type of Modulation :	802.11b: DSSS (DBPSK, DQPSK, CCK) 802.11g/n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ax: OFDMA(BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)	
Smart System:	☒	SISO
	☒	MIMO-CDD
	☐	MIMO-Beamforming
Antenna Type:	PIFA Antenna	
Antenna Gain:	SISO:	ANT2: -0.60dBi; ANT3: -1.30dBi
	CDD:	Power: -0.60dBi
		PSD: 2.07dBi

Remark:

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.

1.2 Channel List

IEEE 802.11b/g & IEEE 802.11n/ax (20MHz)

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412 MHz	2	2417 MHz	3	2422 MHz	4	2427 MHz
5	2432 MHz	6	2437 MHz	7	2442 MHz	8	2447 MHz
9	2452 MHz	10	2457 MHz	11	2462 MHz	-	-

Note: The General Description of the Item, Channel List in clause 1 are provided and confirmed by the client.

2 DESCRIPTION OF TEST SETUP

2.1 Auxiliary equipment /Accessories/Test software for the EUT

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
(1) Notebook	Think pad x220	Lenovo	Adapter
(2) USB Control Cable	N/A	N/A	N/A
(3) USB Control Cable	N/A	N/A	N/A
software	Type / Version		
ADB	V 10.0.26100.7171		

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

2.2 Worst-case configuration and mode

Low data rate was used to test on antenna port conducted tests and radiated spurious emissions since it has the highest maximum power. Following are the worst-case data rates set for test:

Modulation Type	Data Rate
802.11b	1Mbps
802.11g	6Mbps
802.11n (HT 20)	MCS0(6.5 Mbps)
802.11ax (HE 20)	MCS0(8.6 Mbps)
Note1.EUT supports SISO Ant 2 antenna mode, SISO Ant 3 mode and MIMO Ant 2+Ant 3 mode. What is shown in the report is the data of the worst antenna mode. Note2: 802.11ax support OFDMA full RU tone and partial RU tone, both full RU and partial RU-left (for lowCH) and partial RU-right (for high CH) test output power, the full RU power/PSD > partial RU.therefore the full RU perform full, and partial RU verify Band Edge/Spurious.	

2.3 Power setting in test

Mode	Channel	Frequency (MHz)	Power setting		
			ANT2	ANT3	ANT2+3
802.11b	01	2412	18	18	N/A
	06	2437	18	18	N/A
	11	2462	18	18	N/A
802.11g	01	2412	17	17	N/A
	06	2437	17	17	N/A
	11	2462	17	17	N/A
802.11n20	01	2412	16	16	16
	06	2437	16	16	16
	11	2462	16	16	16
802.11ax20	01	2412	16	16	16
	06	2437	16	16	16
	11	2462	16	16	16
802.11ax20(RU26)	01	2412	48	48	48
	06	2437	48	48	48
	11	2462	52	52	52
802.11ax20(RU52)	01	2412	44	44	44
	06	2437	44	44	44
	11	2462	48	48	48
802.11ax20(RU106)	01	2412	38	38	38
	06	2437	40	40	40
	11	2462	42	42	42

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	2024	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

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)

3.3 Overview of results

Requirement – Test Item of FCC	Standard(s)	Verdict	Remark
DTS Bandwidth	FCC 15.247(a)(2)	PASS	Test data please refer to **Appendix A**
Maximum conducted output power	15.247 (b)(3)	PASS	Test data please refer to **Appendix B**
Maximum power spectral density	FCC 15.247(e)	PASS	Test data please refer to **Appendix C**
Band edge measurements	FCC 15.247(d) FCC 15.205 FCC 15.209	PASS	Test data please refer to **Appendix D**
Conducted Spurious Emission	FCC 15.247(d), FCC 15.209	PASS	Test data please refer to **Appendix E**
Duty cycle	ANSI C63.10:2020	PASS	Test data please refer to **Appendix F**
Emissions in Restricted Bands	FCC 15.205 FCC 15.209	PASS	Test data please refer to **Appendix G**
AC Power Line Conducted Emission	FCC 15.207	PASS	Test data please refer to **Appendix H**
Antenna Requirement	FCC 15.203	PASS	---
Note: The radiation measurement is pre tested under X, Y, and Z axis positioning to find the worst placement for final testing.			

3.4 Test Facility

Tset Location A	**: FCC Designation Number: CN1199**
Tset Location B	**: FCC Designation Number: CN1321**

4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE

4.1 Emissions in restricted frequency bands	VERDICT: PASS

4.1.1 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)

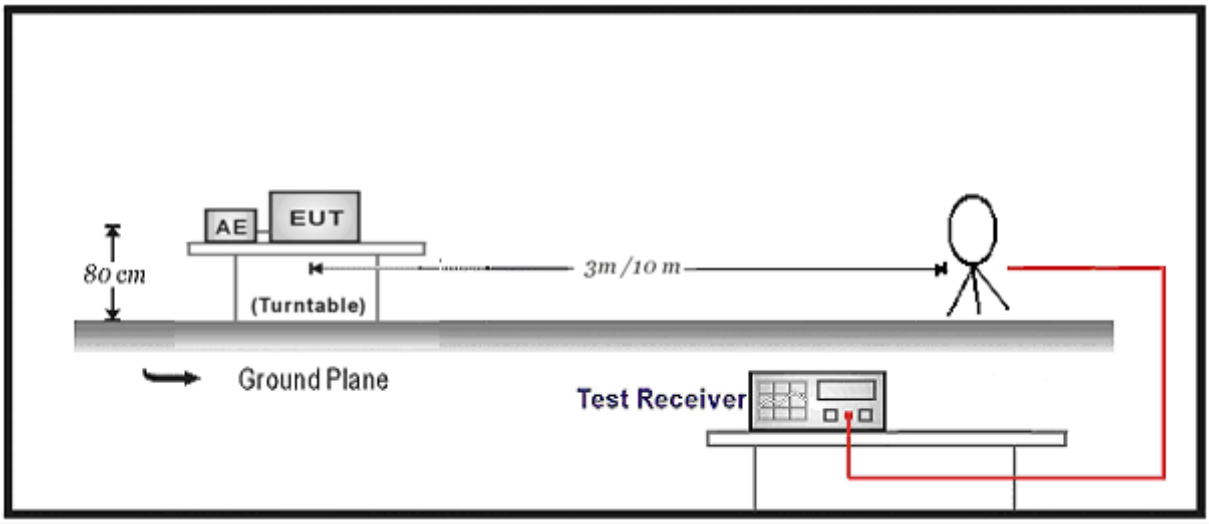
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed 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

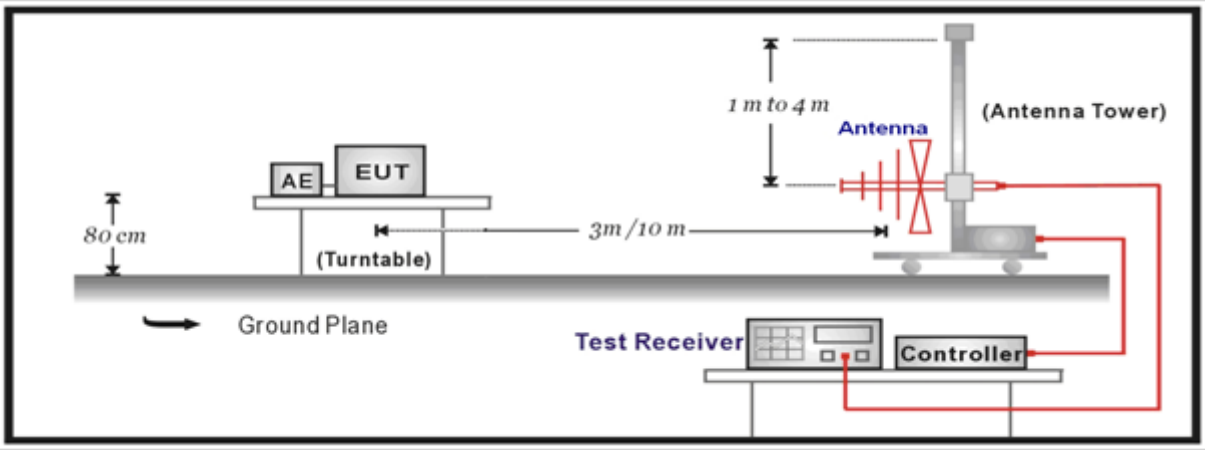
measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can 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).

4.1.2 Test Setup

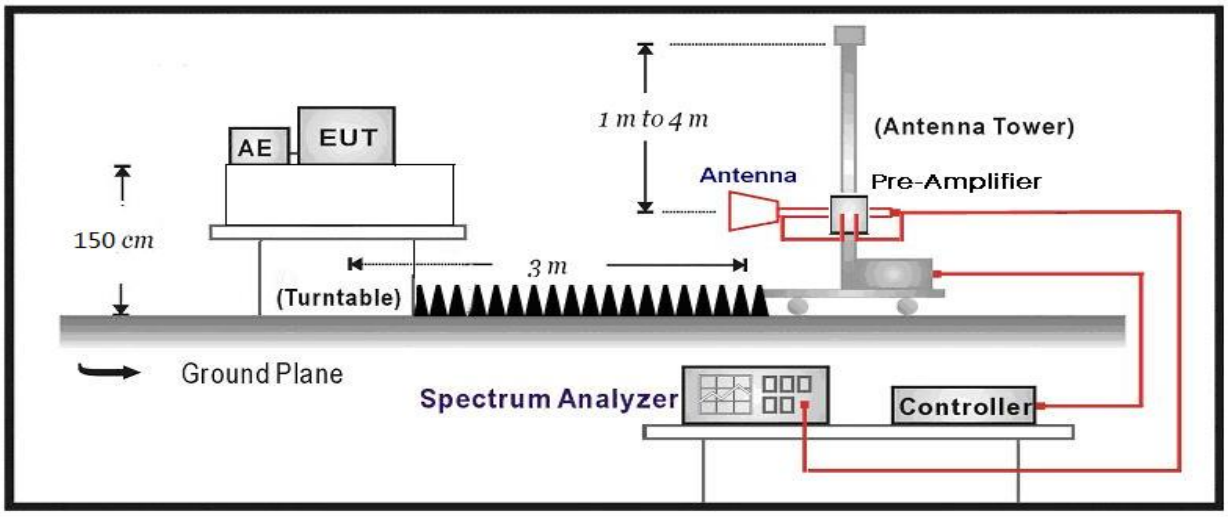
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.1.3 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
	☐	ANSI C63.10			11.12.2	Antenna-port conducted measurements
		☐	ANSI C63.10		11.12.2.3	Quasi-peak measurement procedure
		☐	ANSI C63.10		11.12.2.4	Peak power measurement procedure
		☐	ANSI C63.10		11.12.2.5	Average power measurement procedures
			☐	ANSI C63.10	11.12.2.5.1	Trace averaging with continuous EUT transmission at full power
			☐	ANSI C63.10	11.12.2.5.2	Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction
			☐	ANSI C63.10	11.12.2.5.3	Reduced VBW averaging across ON and OFF times of the EUT transmissions with max hold

4.2 Emissions in non-restricted frequency band	VERDICT: PASS

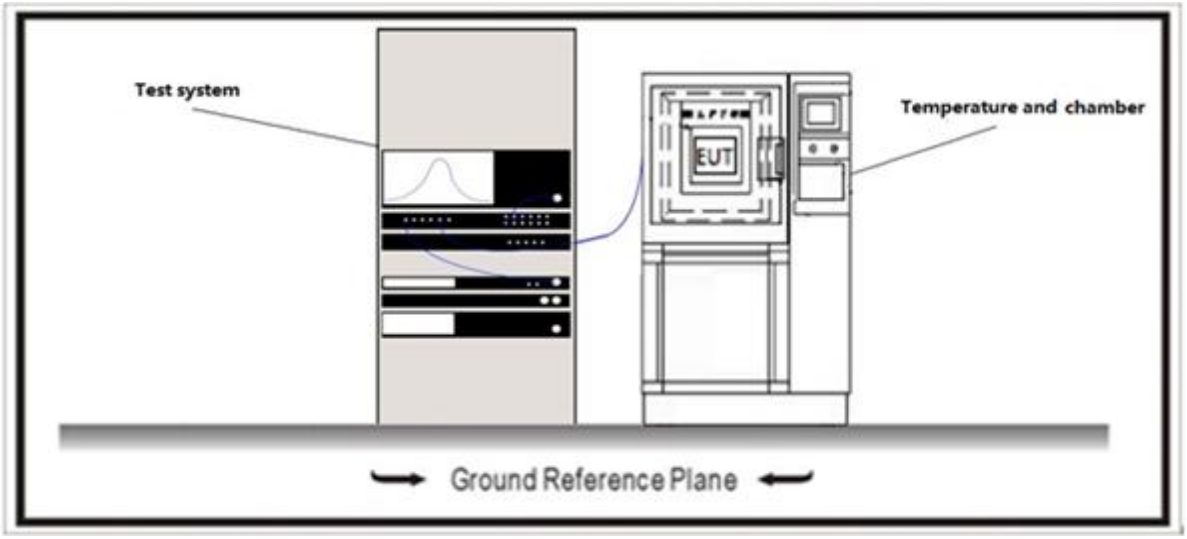
4.2.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.247(d).
RF Output power (Detection methods)	Limit(dB)
RF Output power(Average detector)	30dBc(Note1)
RF Output power(PK detector)	20dBc(Note2)

Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).

Note 2: If the maximum peak conducted output power procedure was used, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).

4.2.2 Test Setup



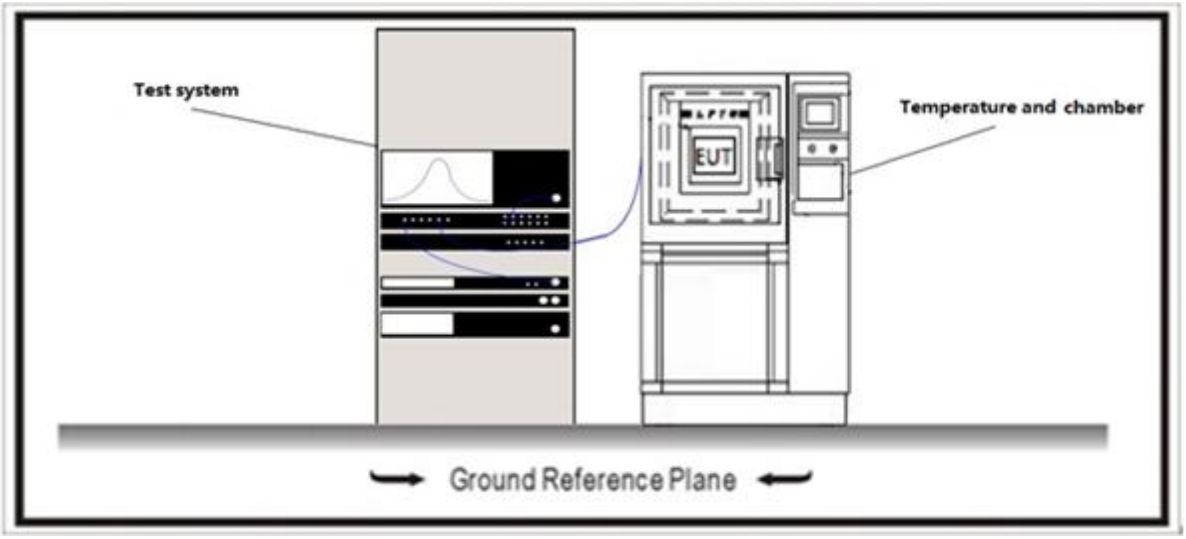
4.2.3 Test Procedure

References Rule			Chapter	Description
☒	ANSI C63.10		11.11	Emissions in non-restricted frequency bands
	☒	ANSI C63.10	11.11.1	General
	☒	ANSI C63.10	11.11.2	Reference level measurement
	☒	ANSI C63.10	11.11.3	Emission level measurement

4.3 Duty cycle	VERDICT: PASS

4.3.1 Limit
N/A

4.3.2 Test Setup



4.3.3 Test Procedure			
References Rule		Chapter	Description
☒	ANSI C63.10	11.6	Duty cycle (D), transmission duration (T), and maximum power control level

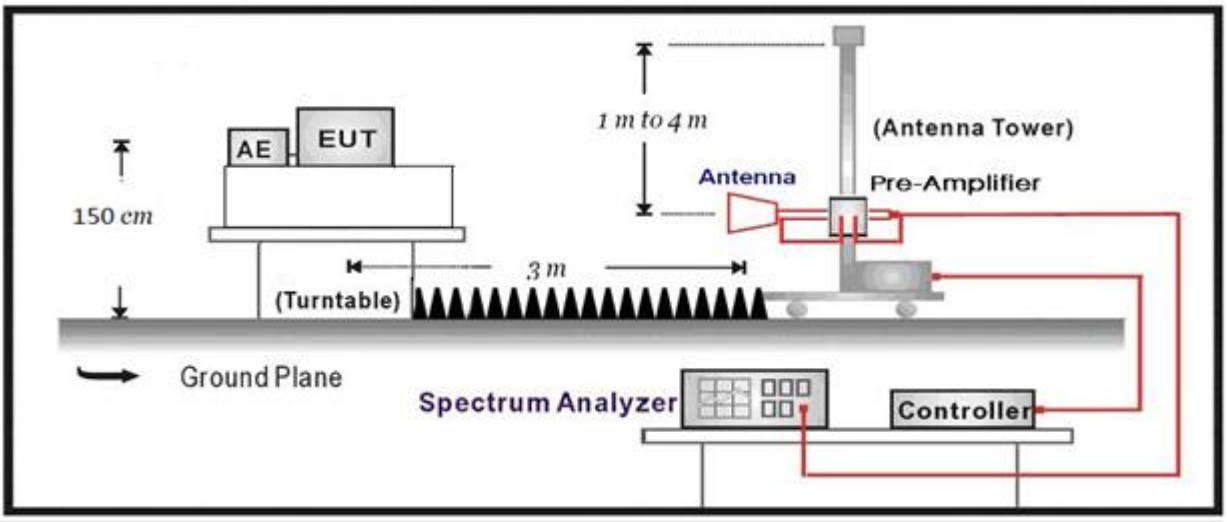
4.4 Radiated Emission Band Edge	VERDICT: PASS

4.4.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.247(d) , 15.205, 15.209			
Frequency bands (MHz)	Detector	Limit (dBμV/m)	RBW (MHz)	Distance (m)
2310-2390 2483.5-2500	PK	74	1	3
	AV	54	1	3
Note: The field strength of emissions appearing within these frequency bands shall not exceed the limits.				

4.4.2 Test Setup

Above 1GHz Test Setup:



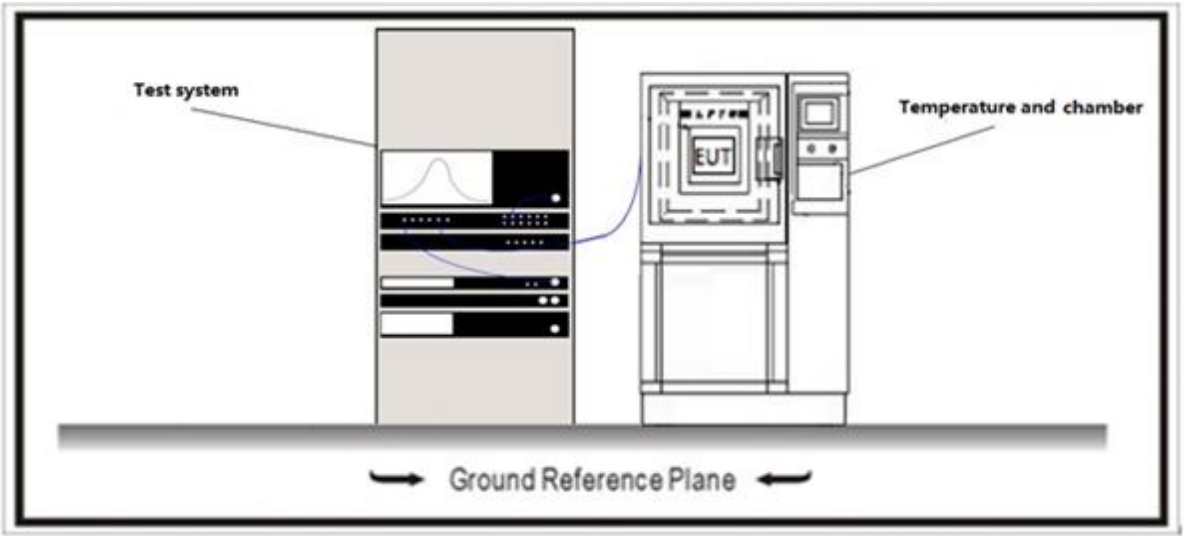
4.4.3 Test Procedure

	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

4.5 DTS Bandwidth	VERDICT: PASS

4.5.1 Limit	
Standard	FCC Part 15 Subpart C Paragraph 15.247 (a)(2)
Systems using digital modulation techniques operate in the2400-2483.5 MHz .The minimum 6 dB bandwidth shall be at least 500 kHz	
Standard	ANSI C63.10 Paragraph 6.7
The occupied bandwidth or the “99% emission bandwidth” is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs. The occupied bandwidth should within the required frequency range.	

4.5.2 Test Setup



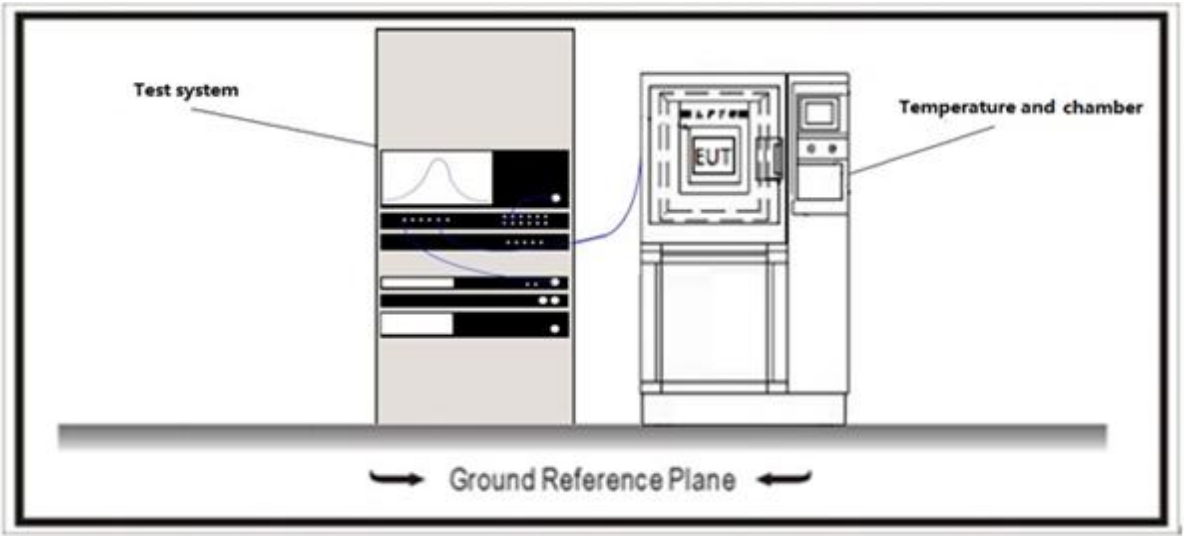
4.5.3 Test Procedure

	Reference Rule		Chapter	Description
☒	ANSI C63.10		11.8	DTS bandwidth
	☐	ANSI C63.10	11.8.1	Option 1
	☒	ANSI C63.10	11.8.2	Option 2
☒	ANSI C63.10		6.9	Occupied bandwidth
	☐	ANSI C63.10	6.9.2	relative measurement procedure
	☒	ANSI C63.10	6.9.3	power bandwidth (99%) measurement procedure

4.6 Fundamental emission output power	VERDICT: PASS

4.6.1 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 .			

4.6.2 Test Setup



4.6.3 Test Procedure

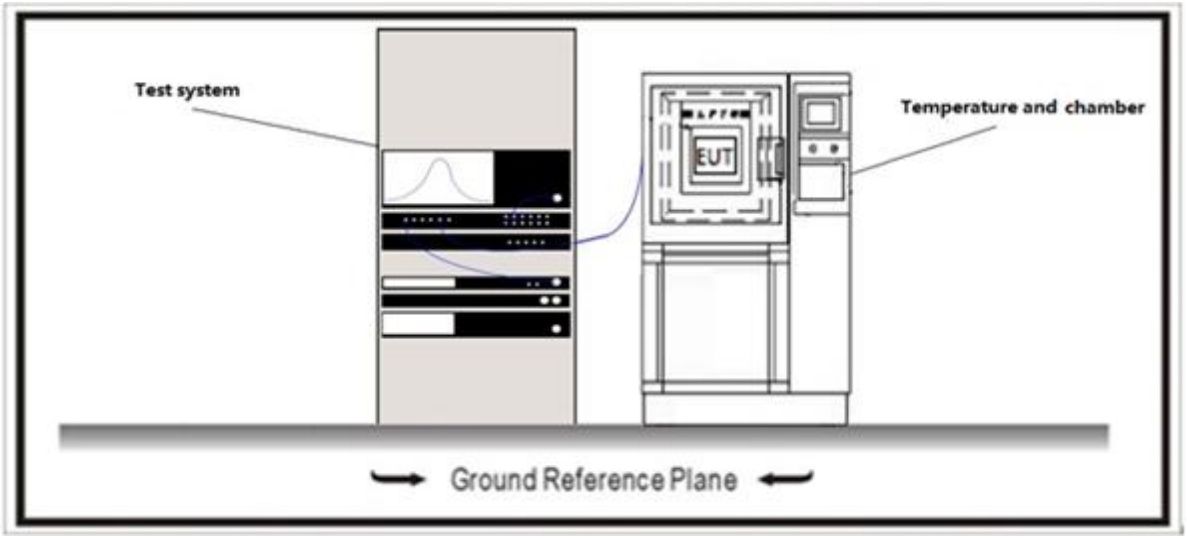
	References Rule			Chapter	Description
☒	ANSI C63.10			11.9	Fundamental emission output power
	☒	ANSI C63.10		11.9.1	Maximum peak conducted output power
		☐	ANSI C63.10	11.9.1.1	RBW ≥ DTS bandwidth
		☐	ANSI C63.10	11.9.1.2	Integrated band power method
		☒	ANSI C63.10	11.9.1.3	PKPM1 Peak power meter method
	☒	ANSI C63.10		11.9.2	Maximum conducted (average) output power
		☐	ANSI C63.10	11.9.2.2	Measurement using a spectrum analyzer (SA)
			☐ ANSI C63.10	11.9.2.2.2	Method AVGSA-1(Duty cycle≥98%)
			☐ ANSI C63.10	11.9.2.2.3	Method AVGSA-1A(Duty cycle≥98%)
			☐ ANSI C63.10	11.9.2.2.4	Method AVGSA-2(Duty cycle≤98%)
			☐ ANSI C63.10	11.9.2.2.5	Method AVGSA-2A(Duty cycle≤98%)
			☐ ANSI C63.10	11.9.2.2.4	Method AVGSA-3
			☐ ANSI C63.10	11.9.2.2.5	Method AVGSA-3A
		☒	ANSI C63.10	11.9.2.3	Measurement using a power meter (PM)
			☒ ANSI C63.10	11.9.2.3.1	Method AVGPM
			☐ ANSI C63.10	11.9.2.3.2	Method AVGPM-G

Directional Gain Calculations for In-Band test method				
	References Rule		Chapter	Description
☐	KDB 662911		F2)a)	Basic methodology
	☐	KDB 662911	F2)a) (i)	transmit signals are correlated
	☐	KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)b)	Sectorized antenna systems.
☐	KDB 662911		F2)c)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (i)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (ii)	Multiple antennas
☐	KDB 662911		F2)e)	Spatial stream
	☐	KDB 662911	F2)e) (i)	Antennas have the same gain
	☐	KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☒	KDB 662911		F2)f)	Cyclic Delay Diversity (CDD)
	☐	KDB 662911	F2)f) (i)	Antennas have the same gain
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with one spatial stream
	☒	KDB 662911	F2)f) (iii)	Antenna have the different gain with more than one spatial stream

4.7 Power Density	VERDICT: PASS

4.7.1 Limit:	
Standard	FCC Part 15 Subpart C Paragraph 15.247 (e)
Power Spectral Density≤8dBm/3kHz	

4.7.2 Test Setup



4.7.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		11.10	Maximum power spectral density level in the fundamental emission
	☒	ANSI C63.10	11.10.2	Method PKPSD (peak PSD)
	☐	ANSI C63.10	11.10.3	Method AVGPSD-1(Duty cycle≥98%)
	☐	ANSI C63.10	11.10.4	Method AVGPSD-1A(Duty cycle≥98%)
	☐	ANSI C63.10	11.10.5	Method AVGPSD-2(Duty cycle＜98%)
	☐	ANSI C63.10	11.10.6	Method AVGPSD-2A(Duty cycle＜98%)
	☐	ANSI C63.10	11.10.7	Method AVGPSD-3
	☐	ANSI C63.10	11.10.8	Method AVGPSD-3A

Directional Gain Calculations for In-Band test method				
	References Rule		Chapter	Description
☒	KDB 662911		E)2)	In-Band Power Spectral Density (PSD) Measurements
	☐	KDB 662911	E)2)a)	Measure and sum the spectra across the outputs.
	☐	KDB 662911	E)2)b)	Measure and sum spectral maxima across the outputs.
	☒	KDB 662911	E)2)c)	Measure and add 10 log(NANT) dB, where NANT is the number of outputs.
☐	KDB 662911		F2)a)	Basic methodology
	☐	KDB 662911	F2)a) (i)	transmit signals are correlated
	☐	KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)b)	Sectorized antenna systems.
☐	KDB 662911		F2)c)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (i)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (ii)	Multiple antennas
☐	KDB 662911		F2)e)	Spatial stream
	☐	KDB 662911	F2)e) (i)	Antennas have the same gain
	☐	KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☒	KDB 662911		F2)f)	Cyclic Delay Diversity (CDD)
	☐	KDB 662911	F2)f) (i)	Antennas have the same gain
	☒	KDB 662911	F2)f) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)f) (iii)	Antenna have the different gain with more than one spatial stream

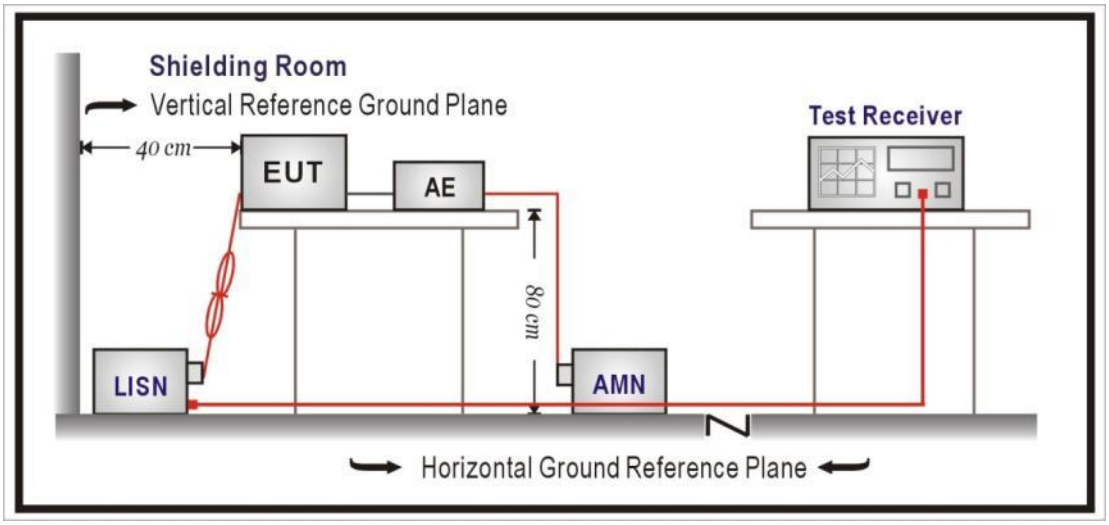
4.8 AC Power Line Conducted Emission — VERDICT: PASS

4.8.1 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.
NOTE 1: The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.
NOTE 2: Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

4.8.2 Test Setup



4.8.3 Test Procedure

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

4.9 Antenna Requirement	VERDICT: PASS

4.9.1 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.

4.9.2 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.

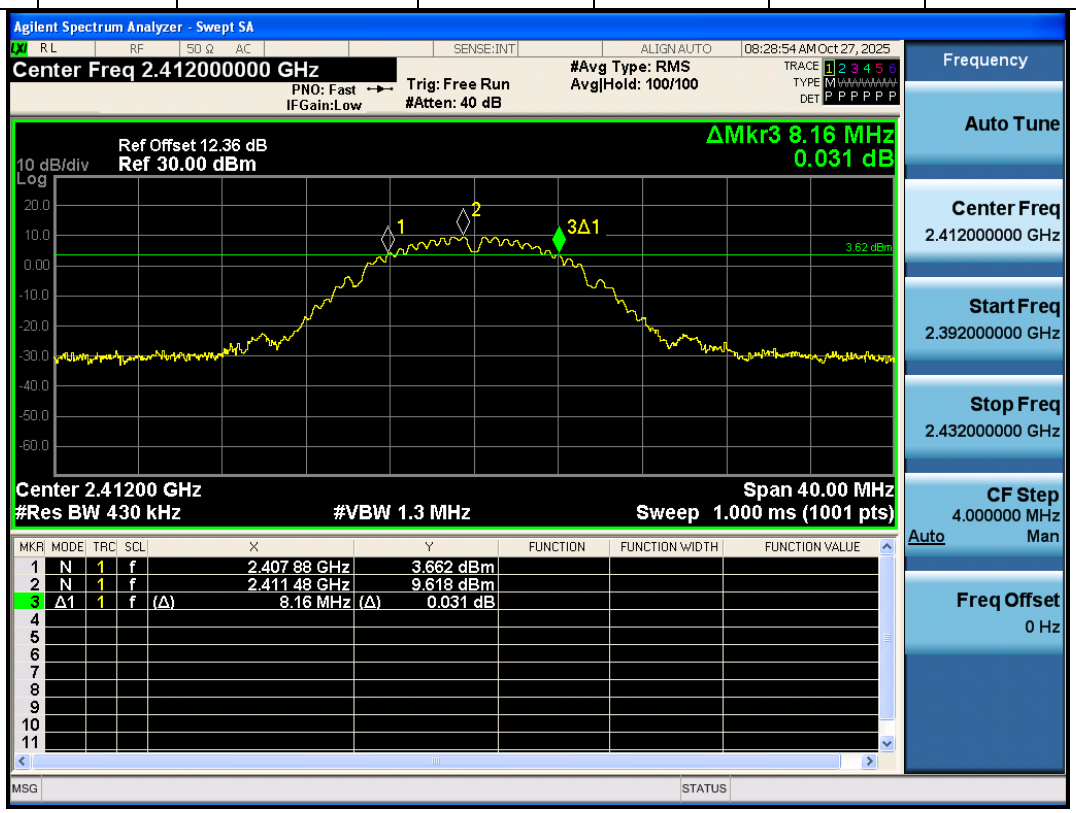
5 TEST SETUP PHOTO AND EUT PHOTO

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

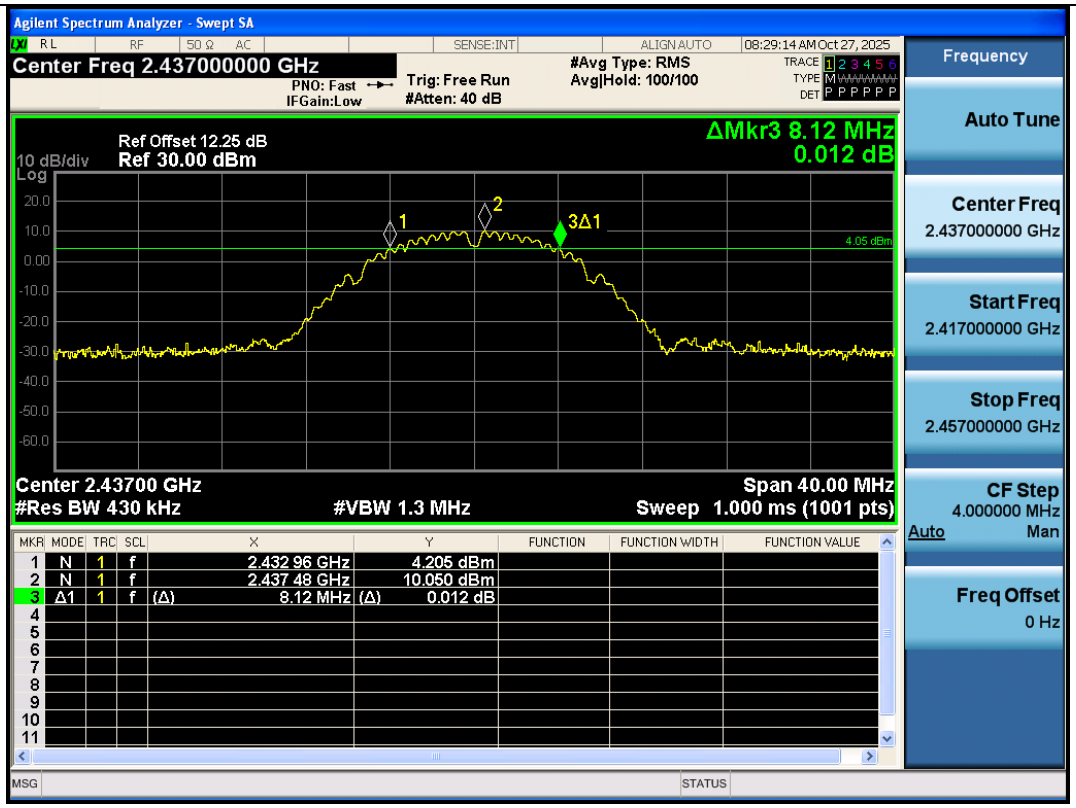
6 TEST RESULT

Appendix A: DTS Bandwidth

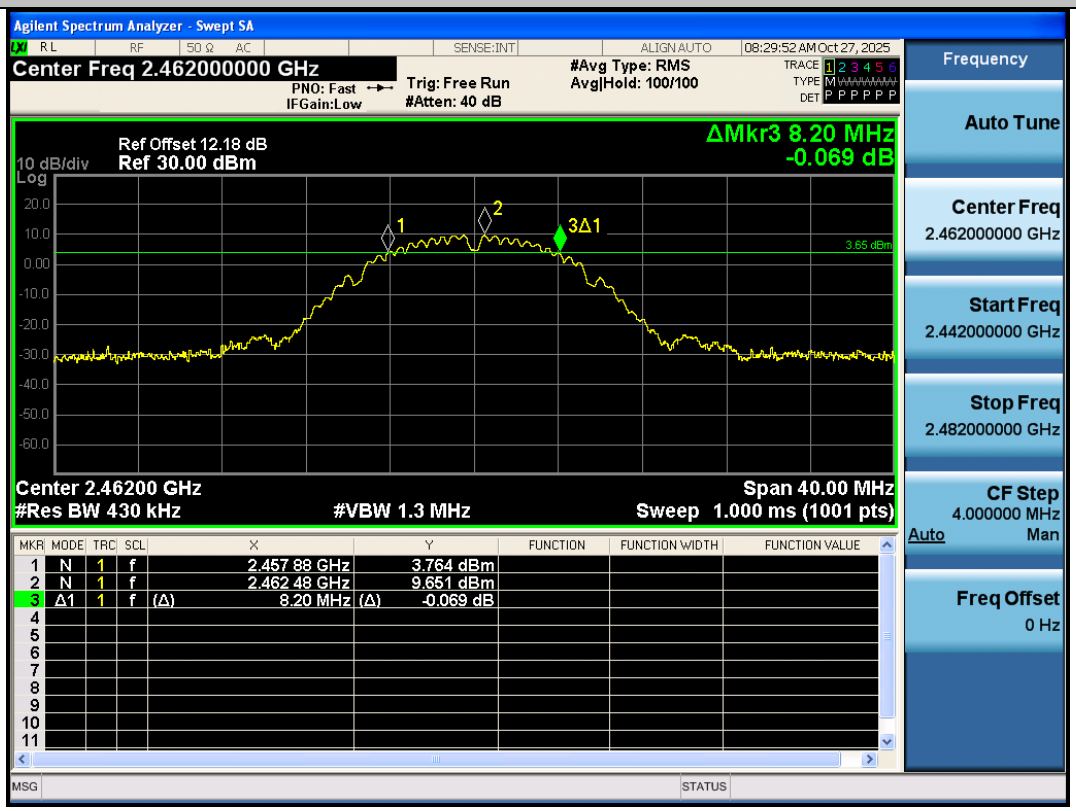
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant3	2412	8.160	2407.880	2416.040	0.5	PASS
11B	Ant3	2437	8.120	2432.960	2441.080	0.5	PASS
11B	Ant3	2462	8.200	2457.880	2466.080	0.5	PASS
11G	Ant3	2412	15.720	2403.960	2419.680	0.5	PASS
11G	Ant3	2437	15.480	2429.320	2444.800	0.5	PASS
11G	Ant3	2462	15.640	2453.920	2469.560	0.5	PASS
11N20SISO	Ant3	2412	16.000	2403.960	2419.960	0.5	PASS
11N20SISO	Ant3	2437	16.120	2429.080	2445.200	0.5	PASS
11N20SISO	Ant3	2462	15.880	2453.600	2469.480	0.5	PASS
11AX20SISO	Ant3	2412	18.880	2402.560	2421.440	0.5	PASS
11AX20SISO	Ant3	2437	18.600	2427.720	2446.320	0.5	PASS
11AX20SISO	Ant3	2462	18.760	2452.640	2471.400	0.5	PASS



11B-Ant3-2412-PASS



11B-Ant3-2437-PASS



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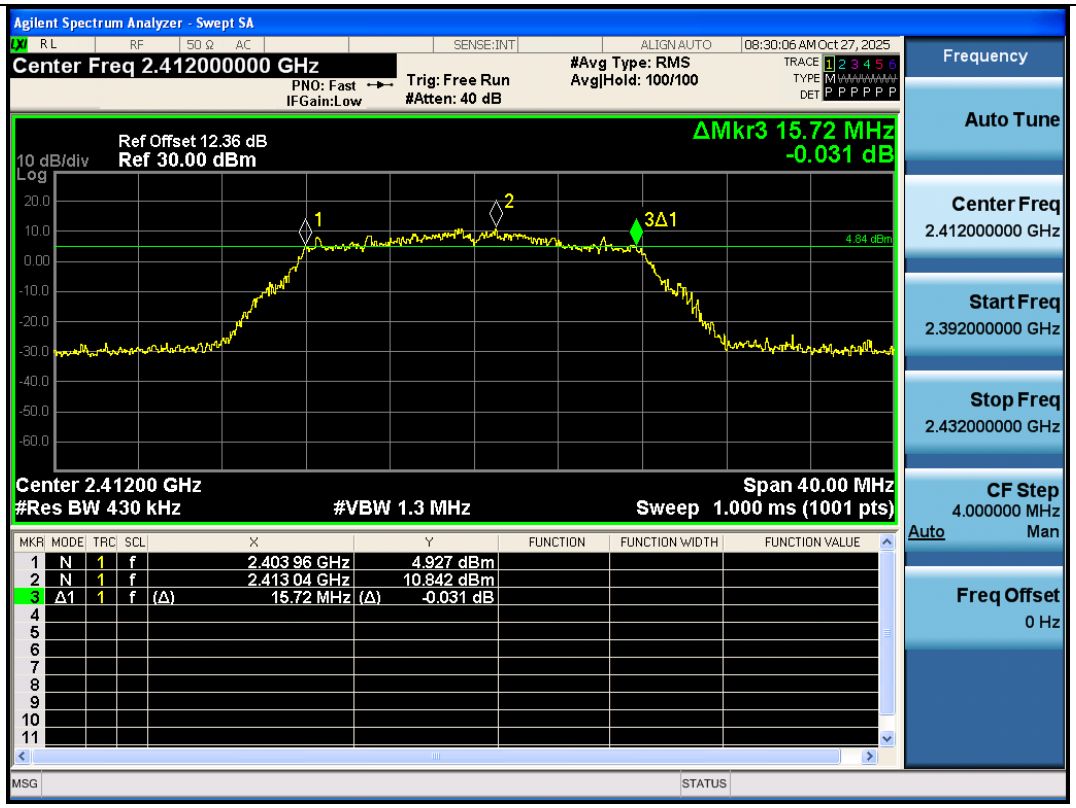
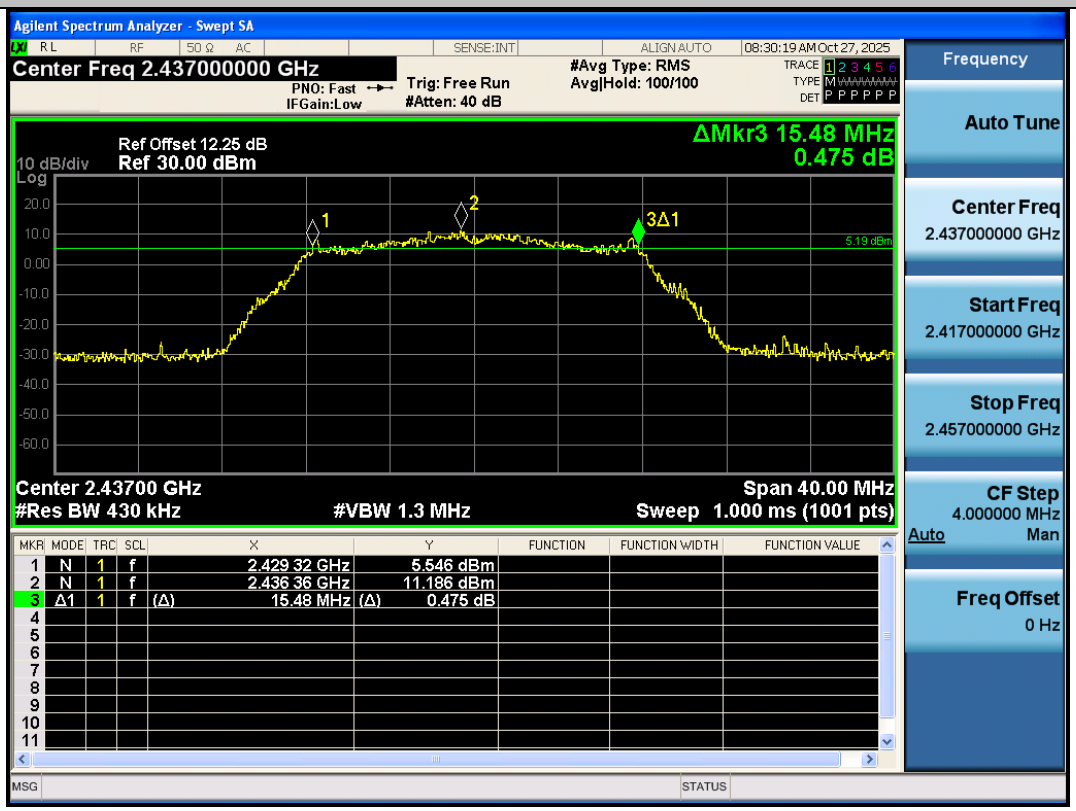


11G-Ant3-2412-PASS



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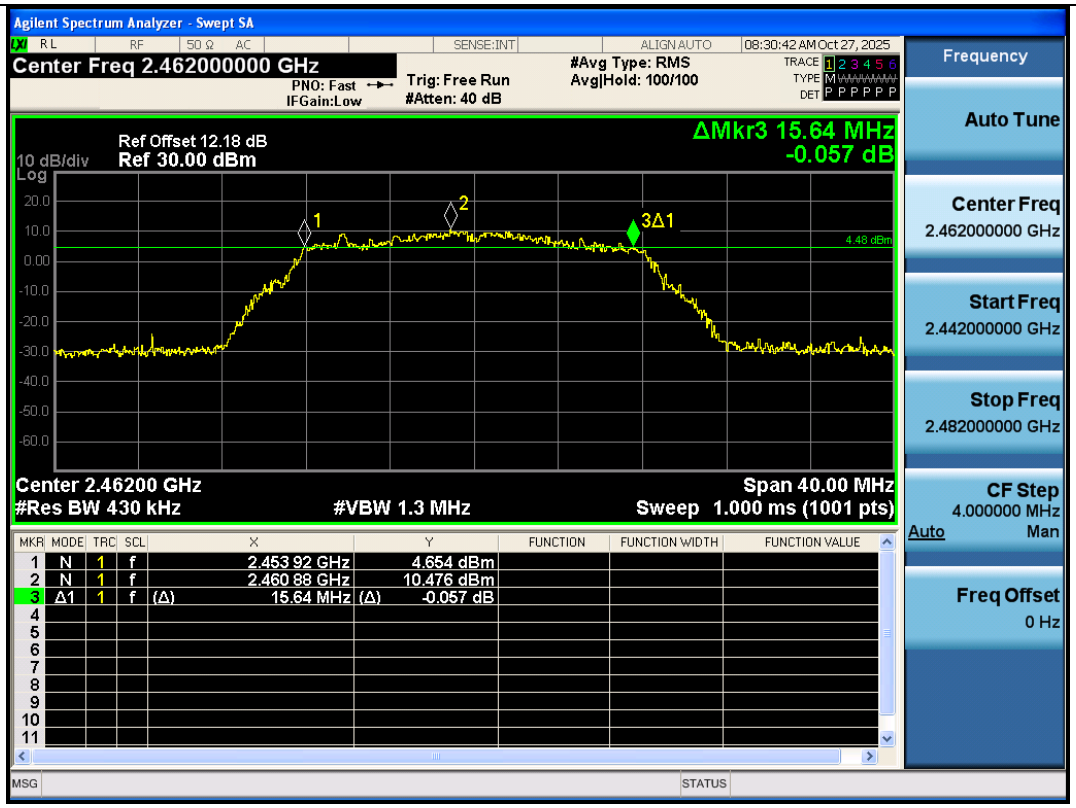

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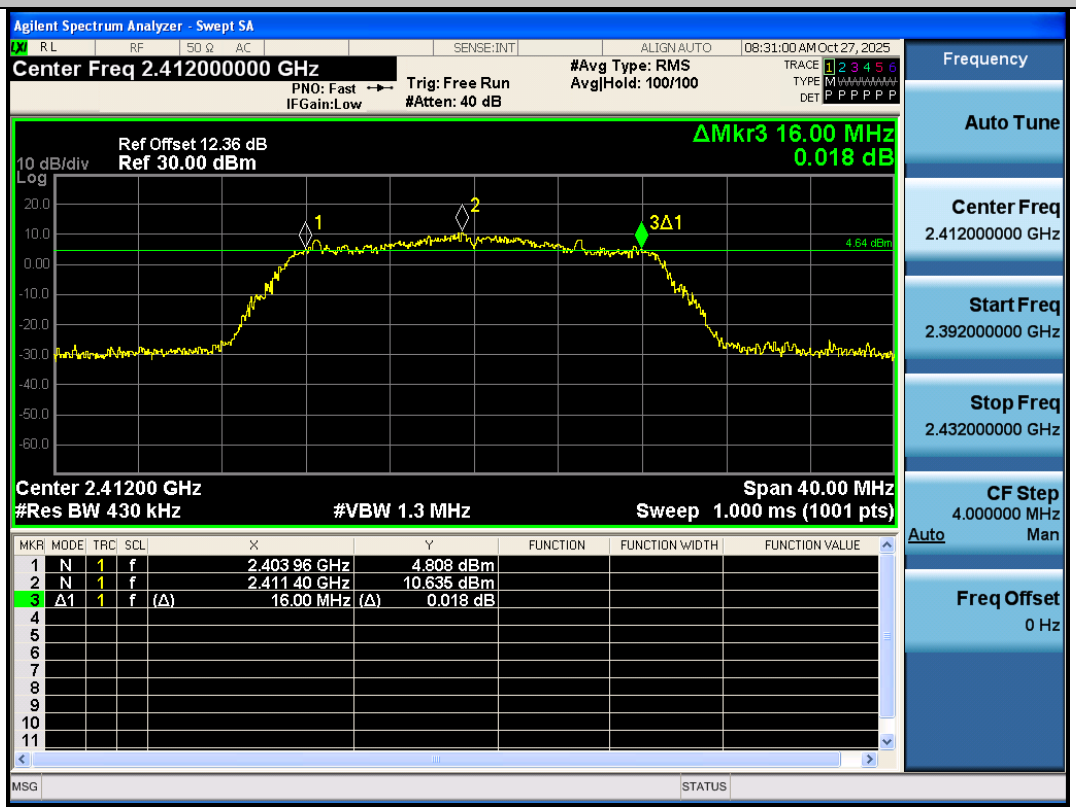
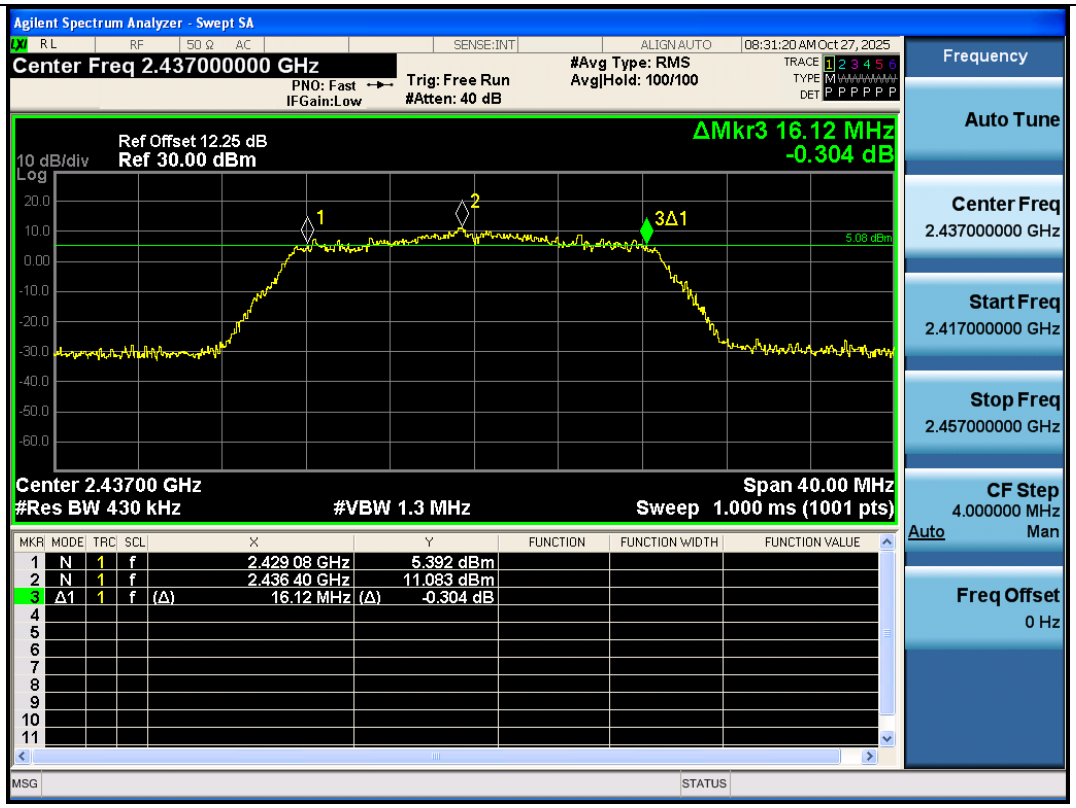


11N20SISO-Ant3-2412-PASS



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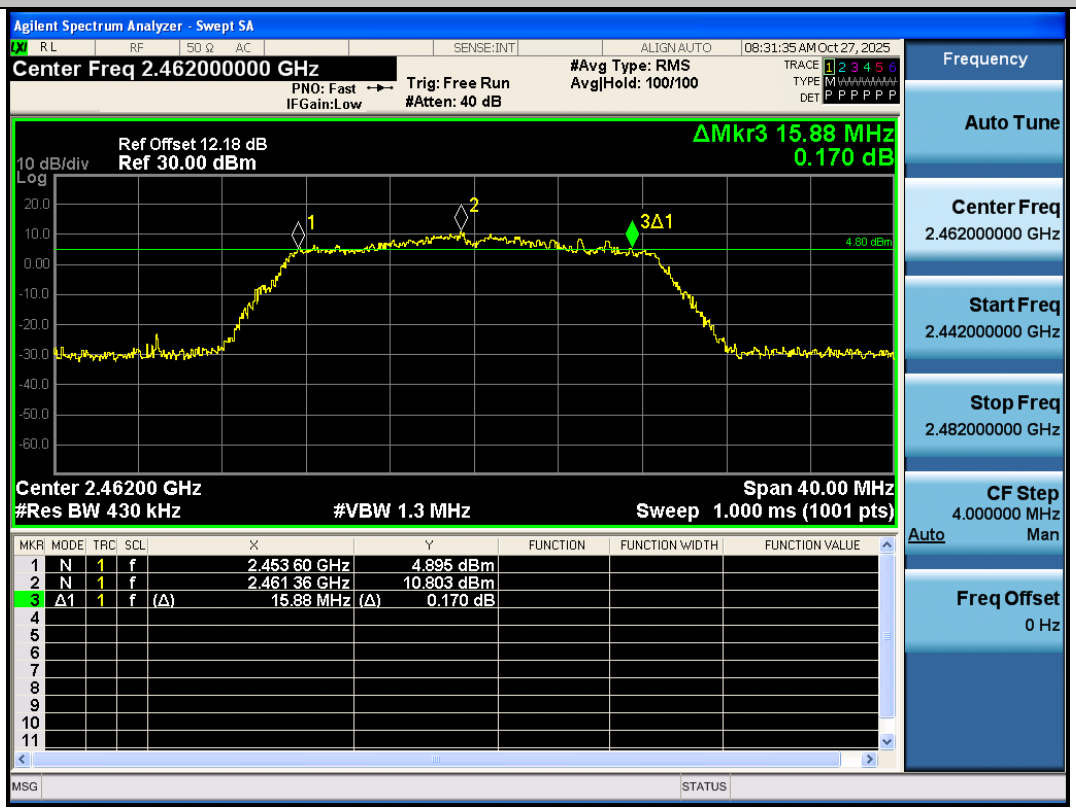

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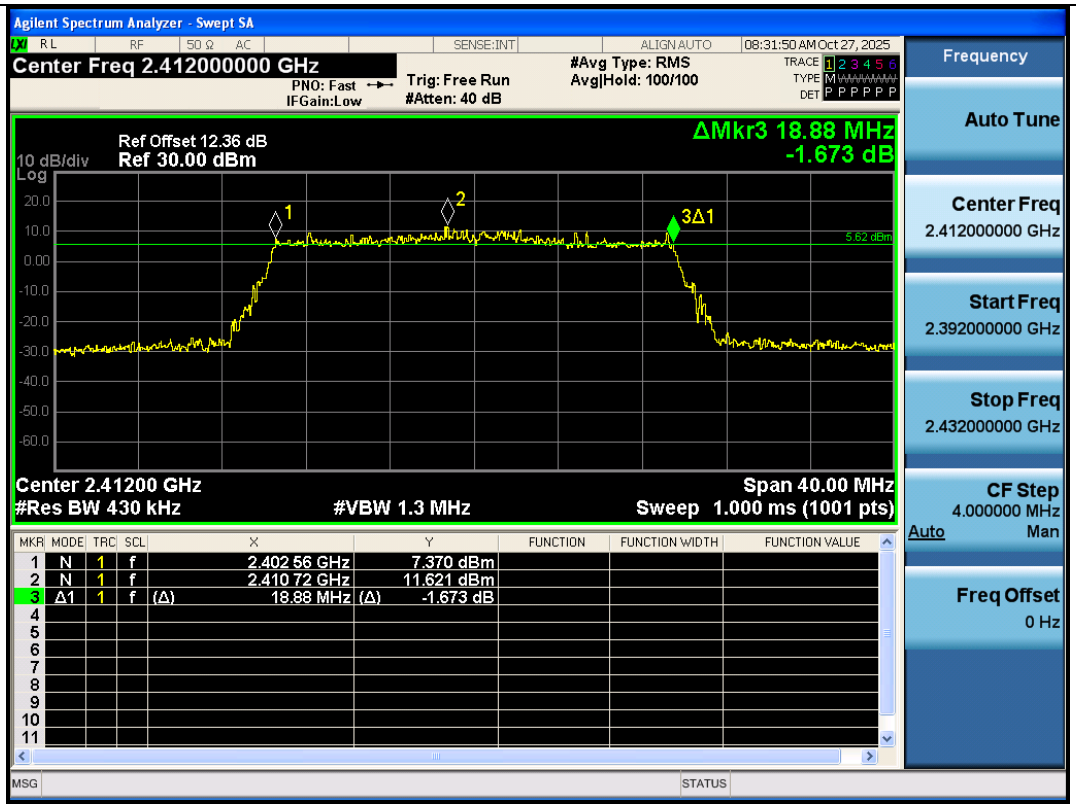
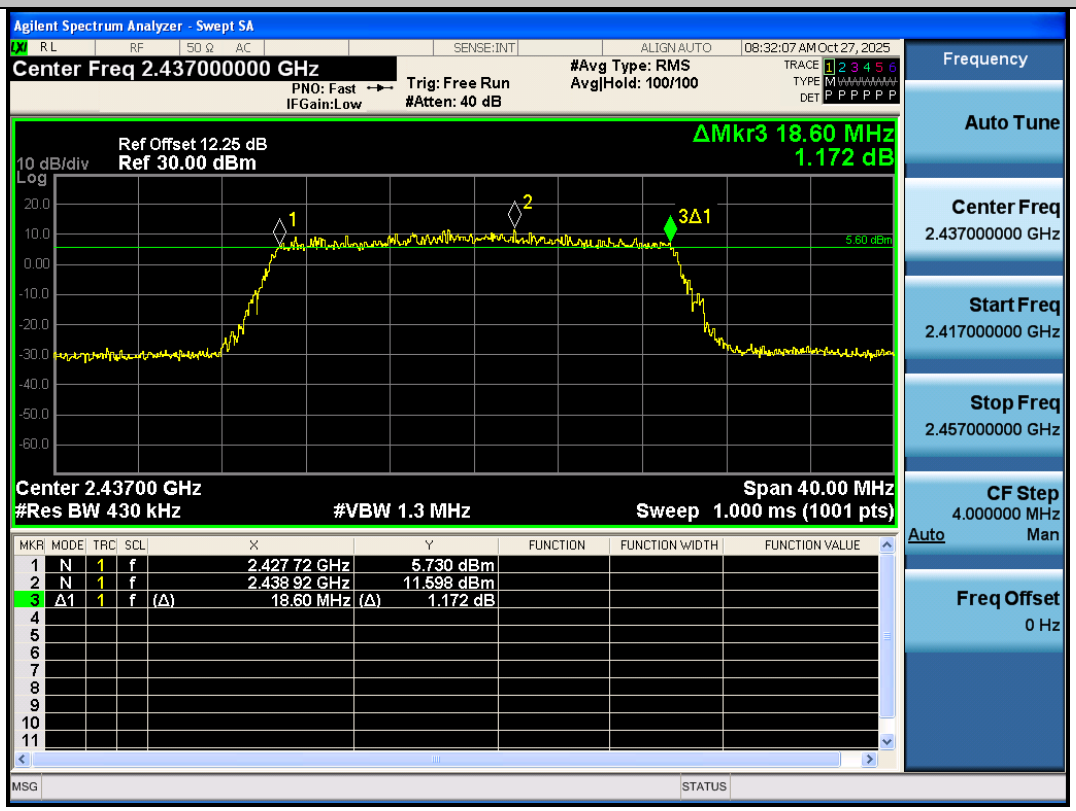
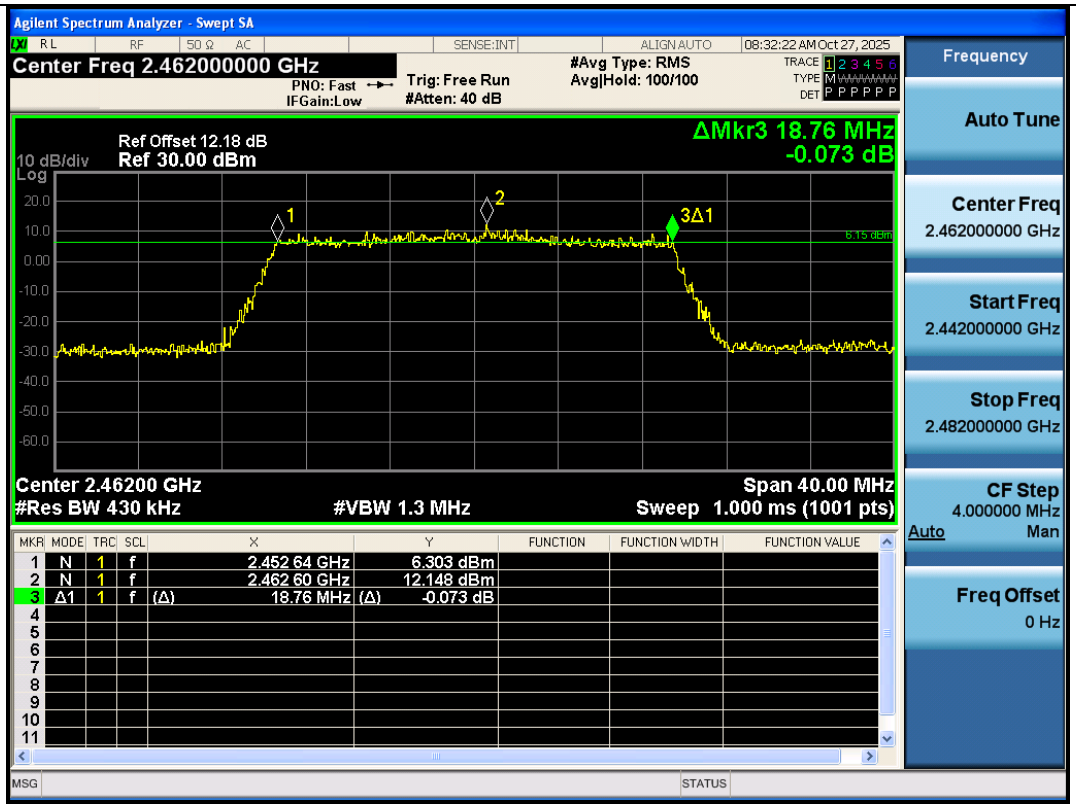


11AX20SISO-Ant3-2412-PASS



11AX20SISO-Ant3-2437-PASS



11AX20SISO-Ant3-2462-PASS

Appendix B: Maximum conducted output power

Mode	Channel	Test Frequency (MHz)	Conducted Avg Power (dBm)			Conducted Peak Power (dBm)			Limit (dBm)	Result
			Ant2	Ant3	Ant2+3	Ant2	Ant3	Ant2+3		
802.11b	1	2412	17.03	17.19	N/A	18.42	18.47	N/A	≤30	Pass
	6	2437	17.11	17.31	N/A	18.64	18.26	N/A	≤30	Pass
	11	2462	17.09	17.22	N/A	18.42	17.92	N/A	≤30	Pass
802.11g	1	2412	15.79	16.19	N/A	20.31	20.21	N/A	≤30	Pass
	6	2437	16.01	16.23	N/A	20.35	20.15	N/A	≤30	Pass
	11	2462	16.03	16.12	N/A	20.39	19.64	N/A	≤30	Pass
802.11n20	1	2412	14.56	15.49	18.06	18.96	18.85	21.92	≤30	Pass
	6	2437	15.22	15.66	18.46	19.82	19.09	22.48	≤30	Pass
	11	2462	14.81	15.43	18.14	19.22	18.55	21.91	≤30	Pass
802.11ax20	1	2412	15.01	15.42	18.23	19.14	19.46	22.31	≤30	Pass
	6	2437	15.36	15.91	18.65	19.22	19.28	22.26	≤30	Pass
	11	2462	15.13	15.32	18.24	19.71	18.29	22.07	≤30	Pass

<Partial RU>:

Mode	Channel	Test Frequency (MHz)	Conducted Avg Power (dBm)			Conducted Peak Power (dBm)			Limit (dBm)	Result
			Ant2	Ant3	Ant2+3	Ant2	Ant3	Ant2+3		
802.11ax20 (26RU-0)	1	2412	3.67	3.50	6.60	11.34	11.25	14.31	≤30	Pass
	6	2437	3.94	4.33	7.15	12.07	11.55	14.83	≤30	Pass
	11	2462	2.28	1.82	5.07	10.59	10.40	13.51	≤30	Pass
802.11ax20 (26RU-8)	1	2412	3.55	3.54	6.56	10.95	11.11	14.04	≤30	Pass
	6	2437	4.18	4.13	7.17	12.32	12.28	15.31	≤30	Pass
	11	2462	1.34	1.19	4.28	9.78	9.78	12.79	≤30	Pass
802.11ax20 (52RU-37)	1	2412	5.72	5.89	8.82	14.65	14.46	17.57	≤30	Pass
	6	2437	5.88	5.65	8.78	14.33	14.05	17.20	≤30	Pass
	11	2462	4.05	4.20	7.14	12.74	12.63	15.70	≤30	Pass
802.11ax20 (52RU-40)	1	2412	4.90	4.96	7.94	14.05	14.26	17.17	≤30	Pass
	6	2437	6.28	5.91	9.11	14.63	14.83	17.74	≤30	Pass
	11	2462	3.85	3.54	6.71	12.23	11.52	14.90	≤30	Pass
802.11ax20 (106RU-53)	1	2412	8.99	8.81	11.91	17.31	17.13	20.23	≤30	Pass
	6	2437	7.02	6.98	10.01	16.21	16.50	19.37	≤30	Pass
	11	2462	6.80	6.95	9.89	15.13	15.48	18.32	≤30	Pass
802.11ax20 (106RU-54)	1	2412	8.09	7.81	10.96	16.78	16.91	19.86	≤30	Pass
	6	2437	8.31	8.73	11.54	16.87	16.65	19.77	≤30	Pass
	11	2462	5.97	6.59	9.30	15.32	14.86	18.11	≤30	Pass

Appendix C: Maximum power spectral density

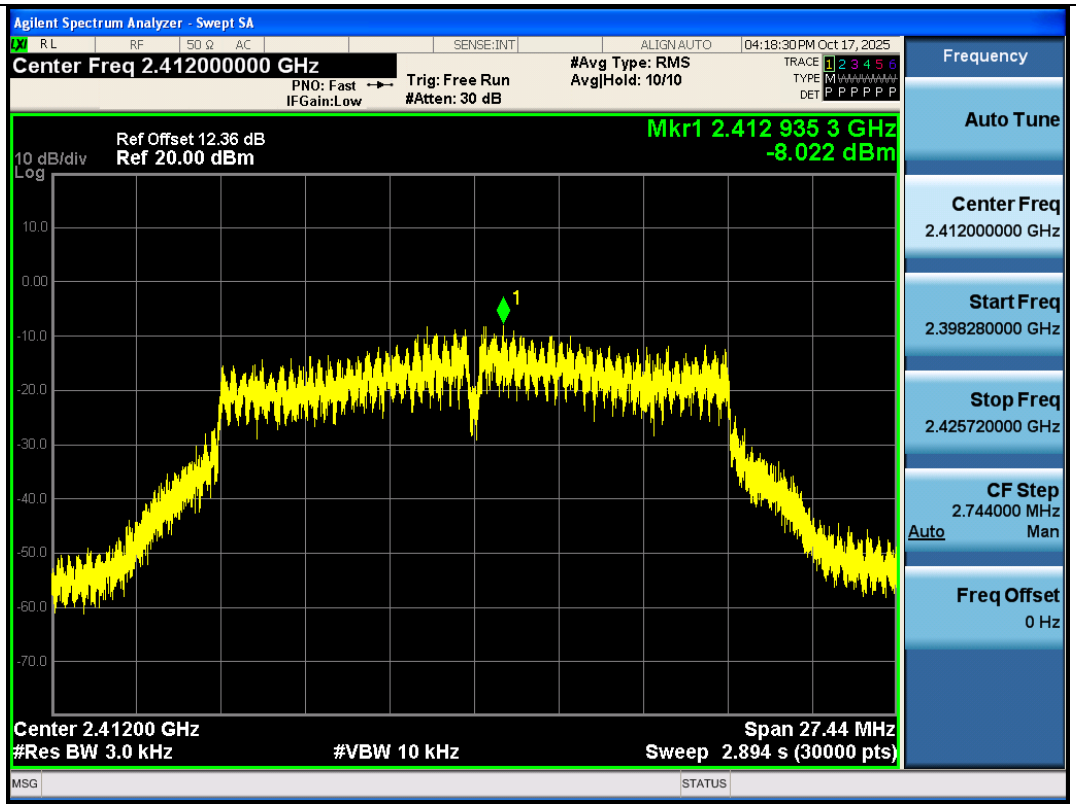
TestMode	Frequency[MHz]	Result[dBm/3kHz]		Limit[dBm/3kHz]	Verdict
		SISO	CDD		
11B	2412	-6.23	N/A	≤8.00	PASS
11B	2437	-5.45	N/A	≤8.00	PASS
11B	2462	-6.46	N/A	≤8.00	PASS
11G	2412	-8.02	N/A	≤8.00	PASS
11G	2437	-7.95	N/A	≤8.00	PASS
11G	2462	-7.80	N/A	≤8.00	PASS
11N20	2412	-8.39	-5.38	≤8.00	PASS
11N20	2437	-8.91	-5.90	≤8.00	PASS
11N20	2462	-9.96	-6.95	≤8.00	PASS
11AX20	2412	-10.17	-7.16	≤8.00	PASS
11AX20	2437	-10.83	-7.82	≤8.00	PASS
11AX20	2462	-11.74	-8.73	≤8.00	PASS

Note1: For SISO mode, we evaluated Ant2 and Ant3. Because Ant3 has higher RF output power, the test data for the worst-performing Ant3 is shown in the report.
Note2: CDD PSD = SISO PSD + 10*Log(N), N = Antenna number.

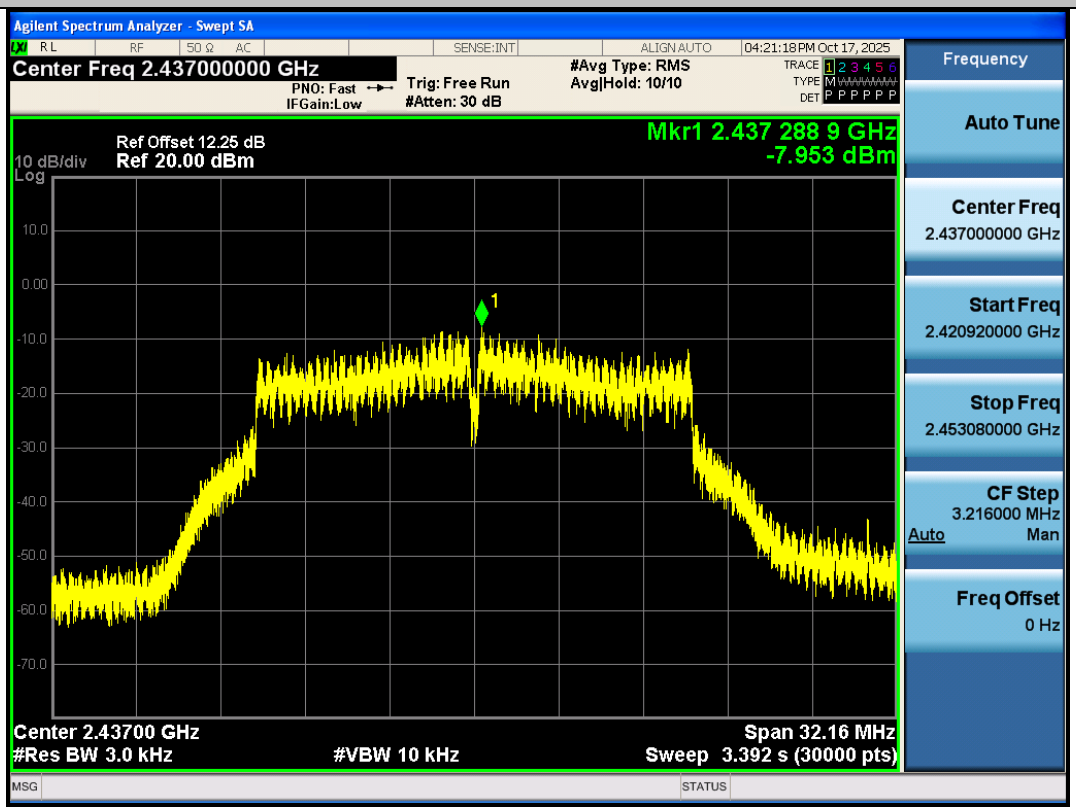
11B-Ant3-2412-PASS

11B-Ant3-2437-PASS

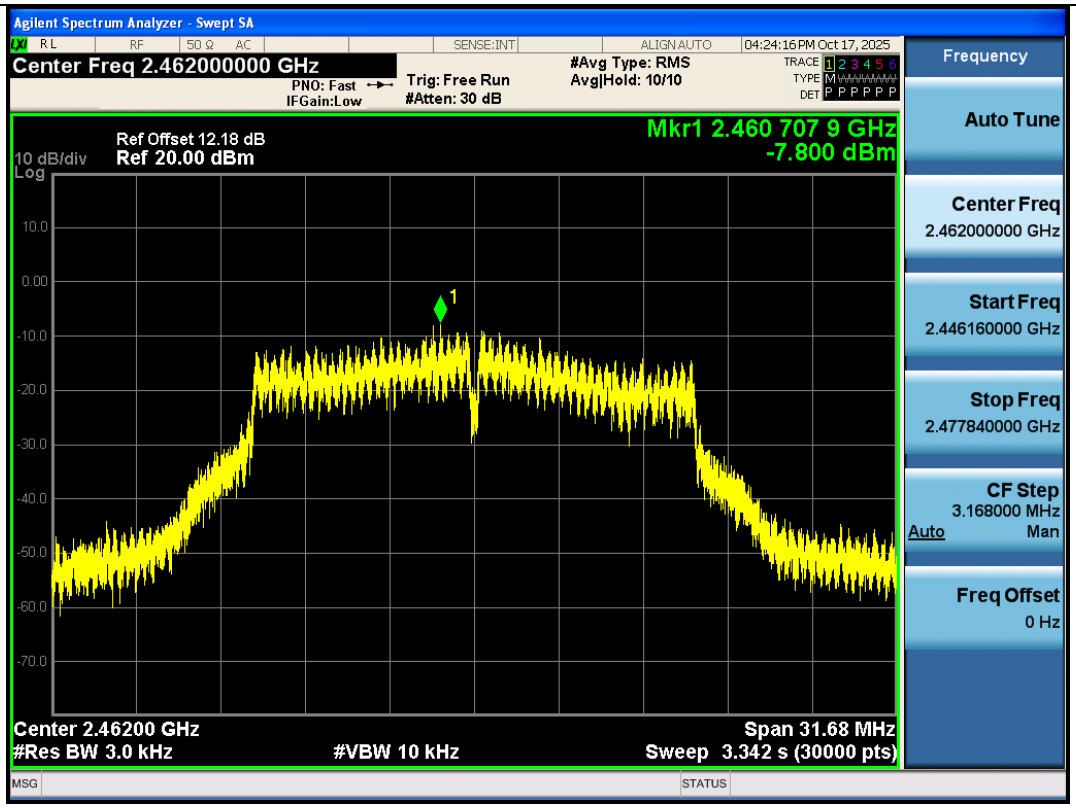
11B-Ant3-2462-PASS



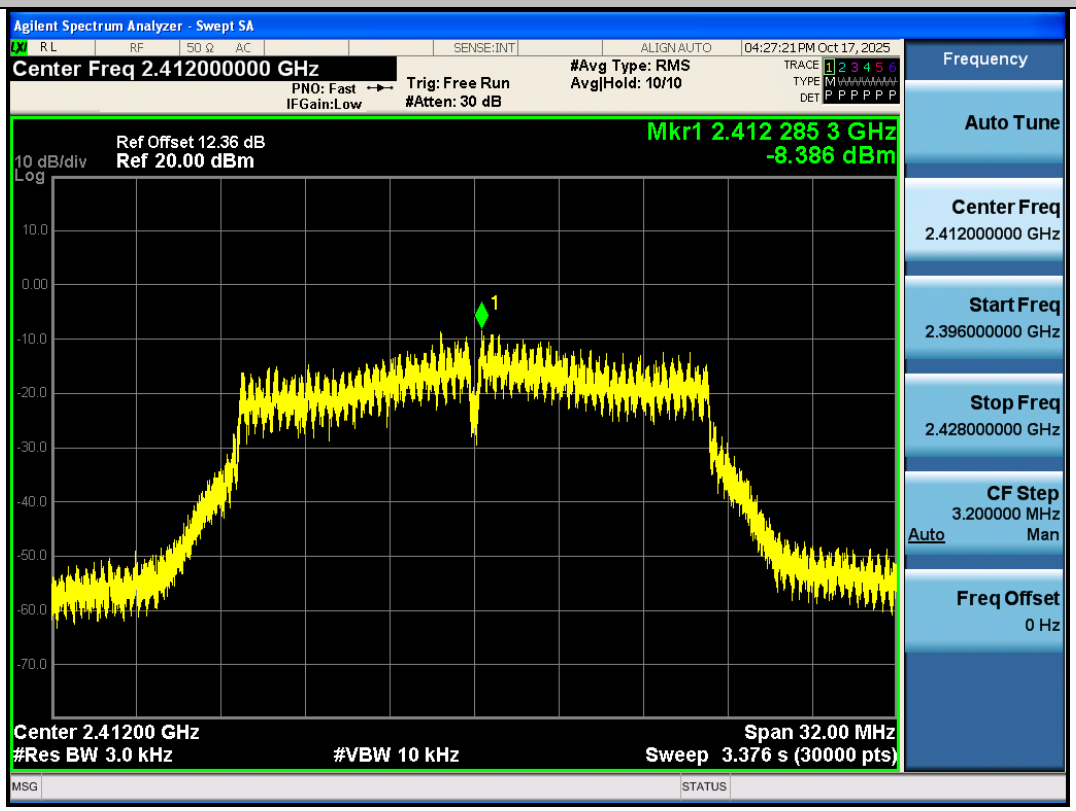
11G-Ant3-2412-PASS



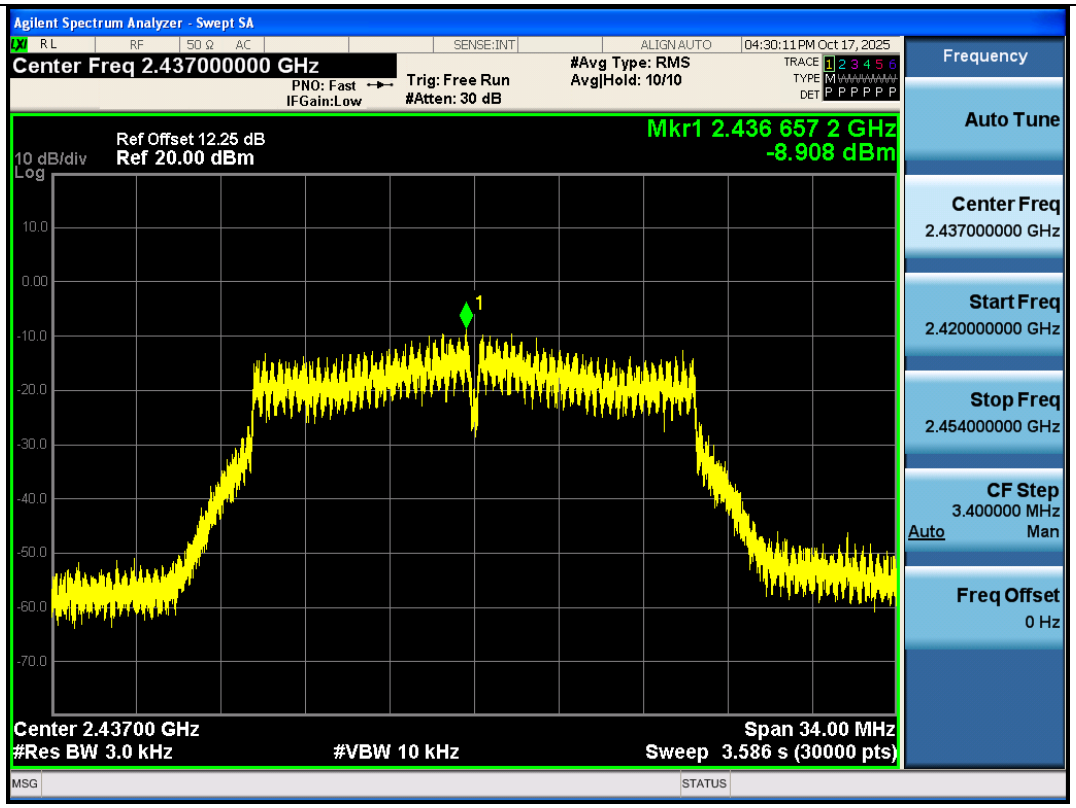
11G-Ant3-2437-PASS



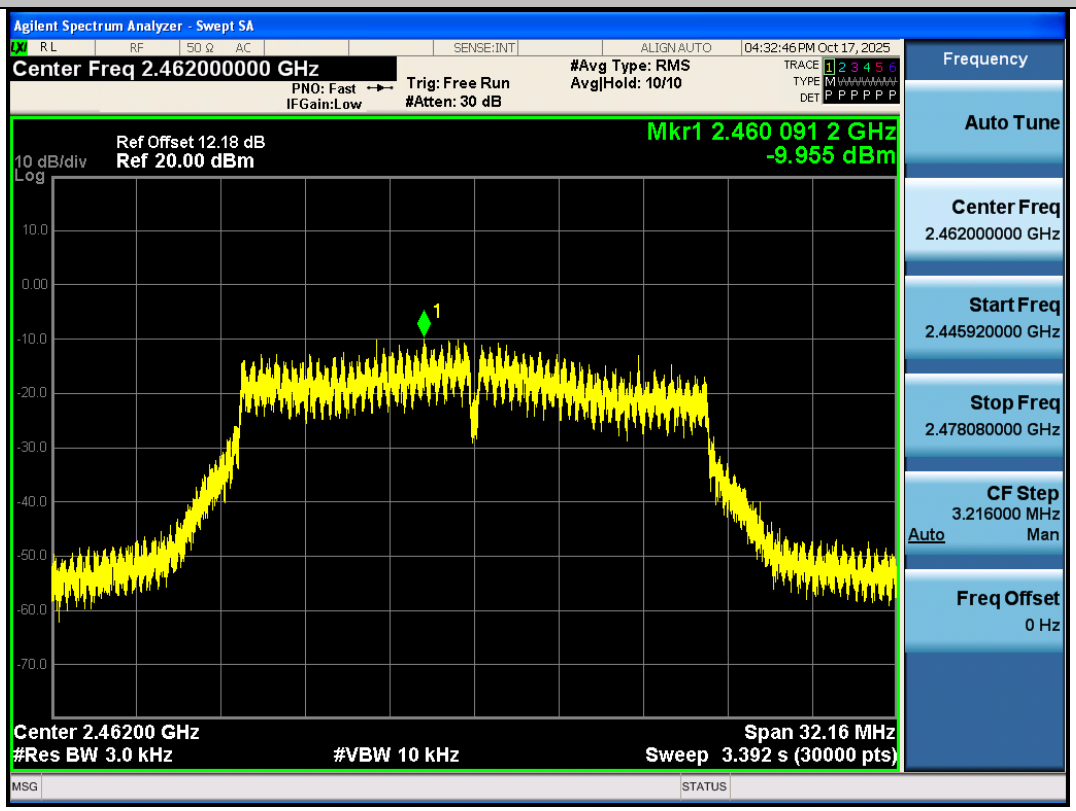
11G-Ant3-2462-PASS



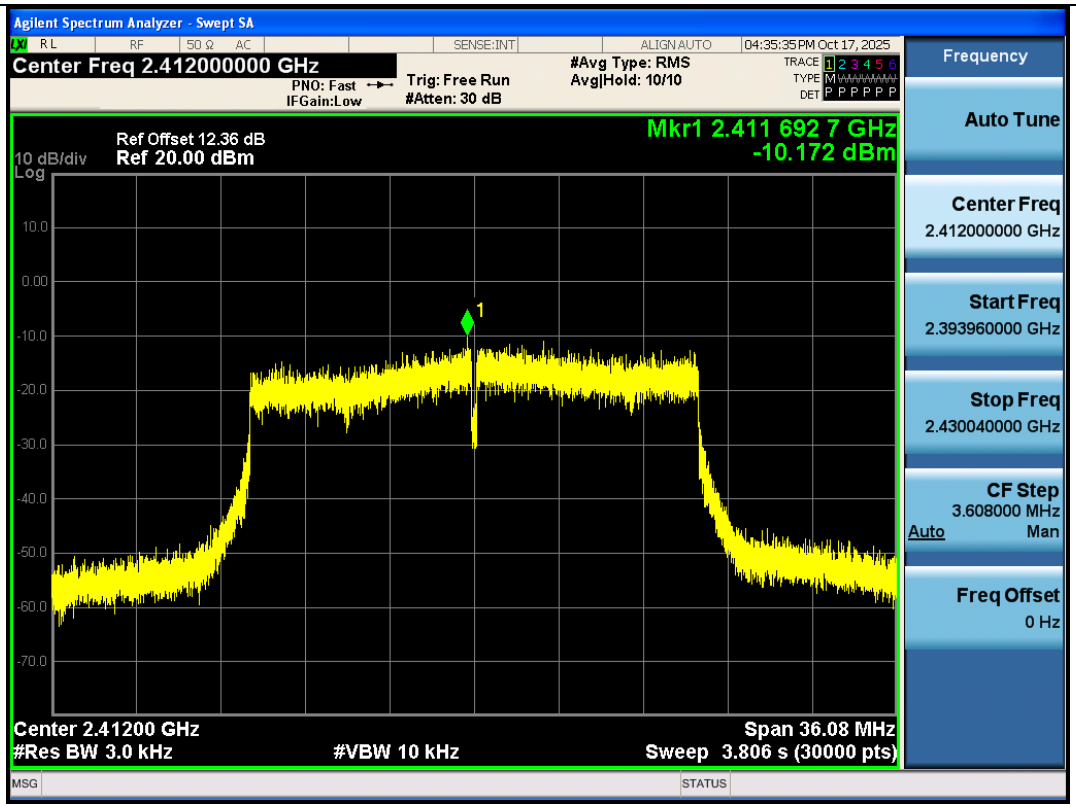
11N20SISO-Ant3-2412-PASS



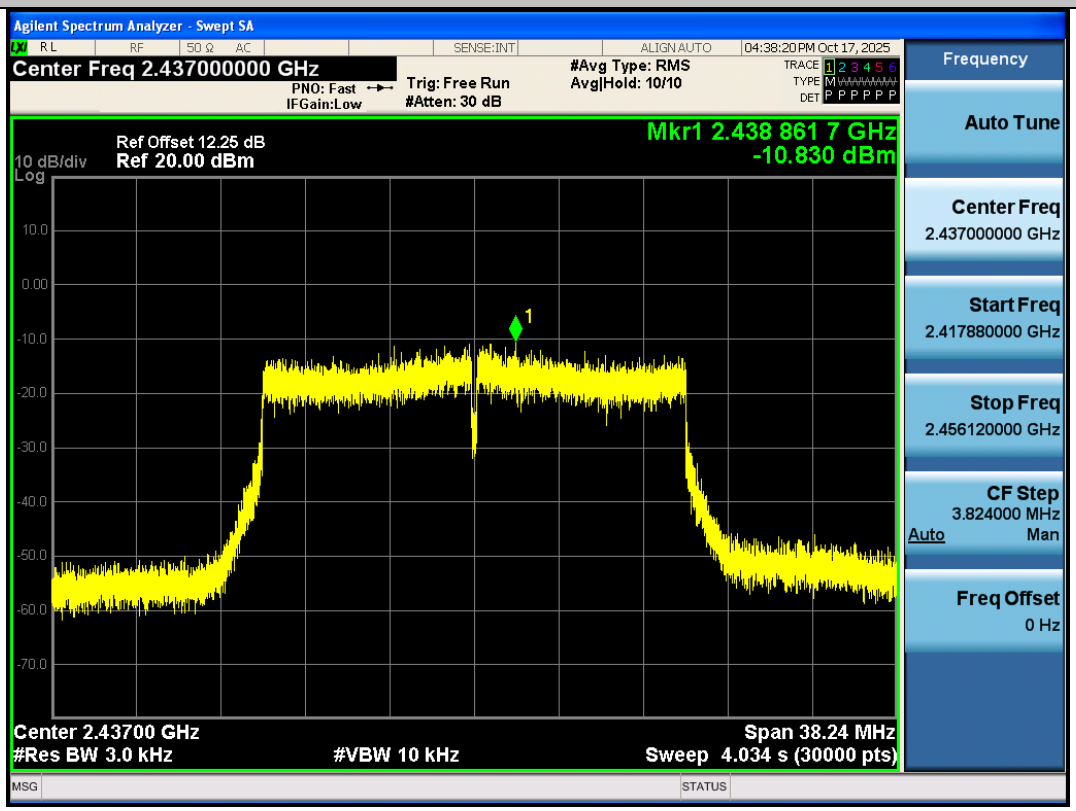
11N20SISO-Ant3-2437-PASS



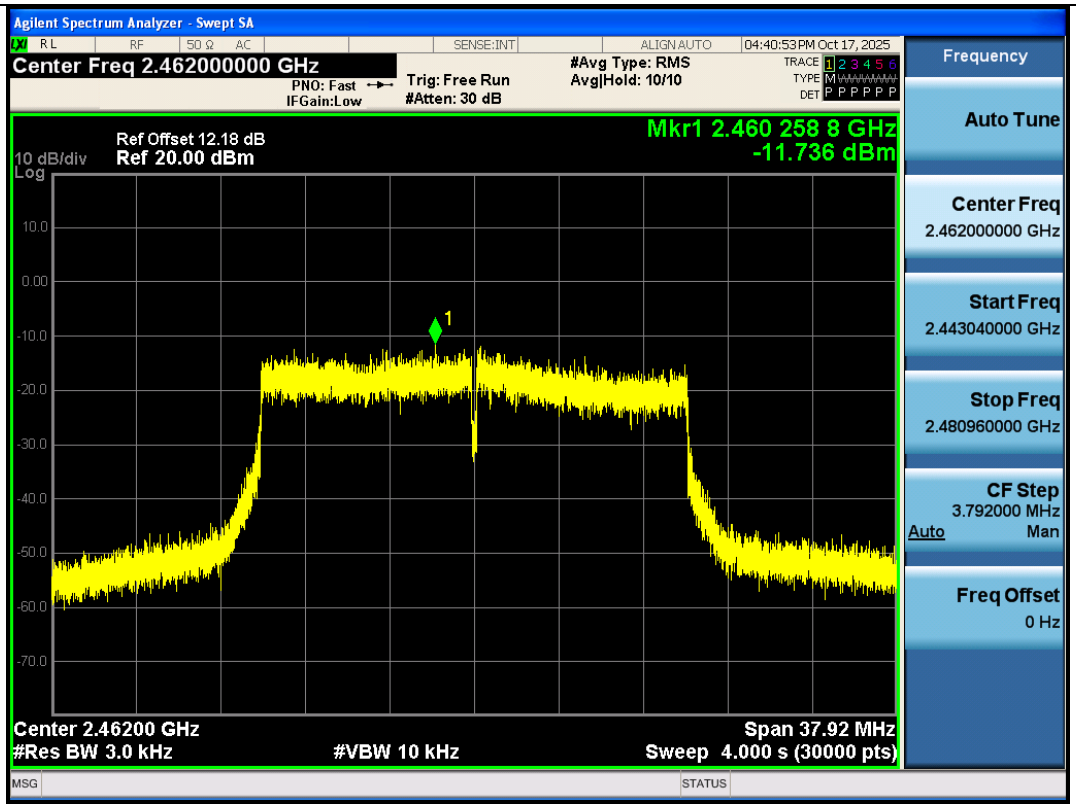
11N20SISO-Ant3-2462-PASS



11AX20SISO-Ant3-2412-PASS



11AX20SISO-Ant3-2437-PASS

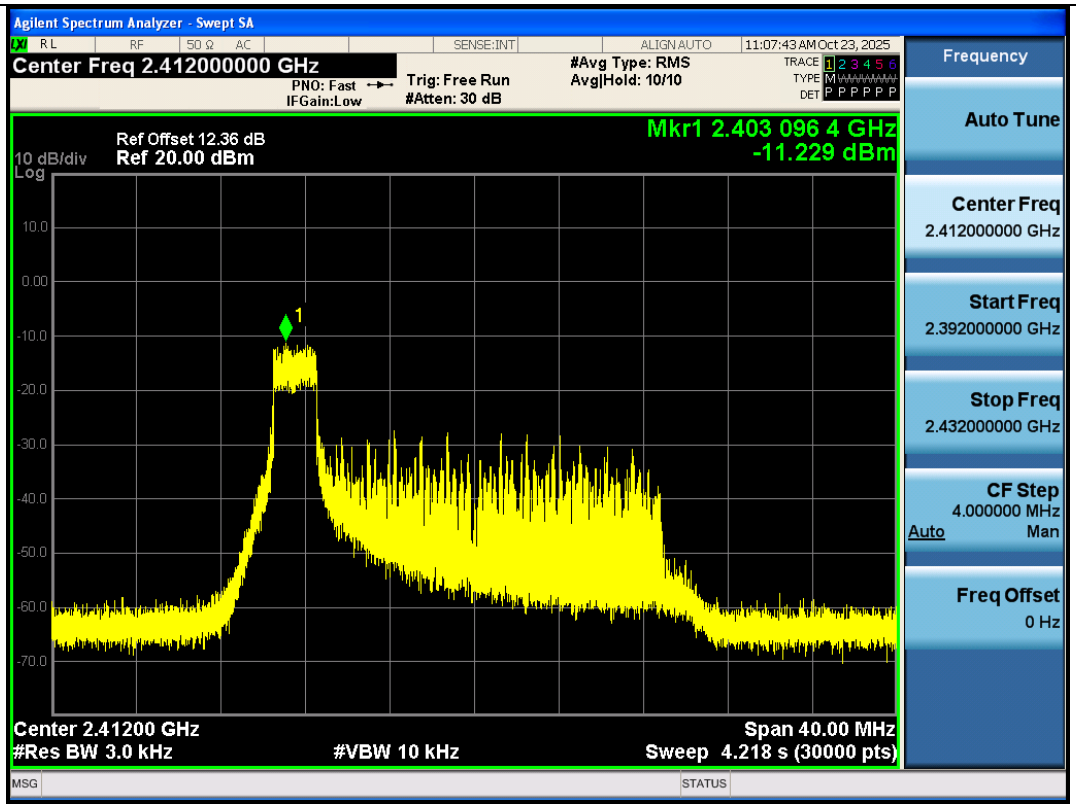


11AX20SISO-Ant3-2462-PASS

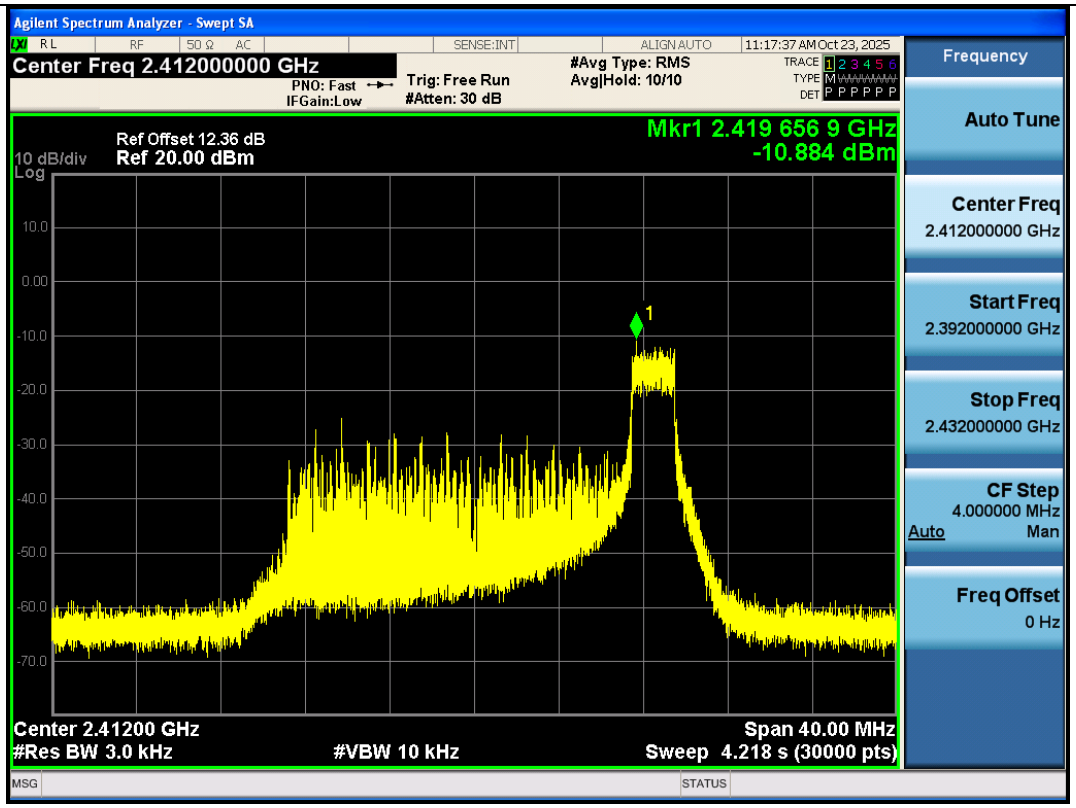
<Partial RU>:

TestMode	Frequency[MHz]	RuSize	RuIndex	Result [dBm/3kHz]		Limit [dBm/3kHz]	Verdict
				SISO	CDD		
11AX20	2412	26Tone	RU0	-11.23	-8.22	≤8.00	PASS
11AX20	2412	26Tone	RU8	-10.88	-7.87	≤8.00	PASS
11AX20	2412	52Tone	RU37	-10.63	-7.62	≤8.00	PASS
11AX20	2412	52Tone	RU40	-11.83	-8.82	≤8.00	PASS
11AX20	2412	106Tone	RU53	-11.49	-8.48	≤8.00	PASS
11AX20	2412	106Tone	RU54	-11.16	-8.15	≤8.00	PASS
11AX20	2437	26Tone	RU0	-11.32	-8.31	≤8.00	PASS
11AX20	2437	26Tone	RU8	-11.03	-8.02	≤8.00	PASS
11AX20	2437	52Tone	RU37	-11.51	-8.5	≤8.00	PASS
11AX20	2437	52Tone	RU40	-11.08	-8.07	≤8.00	PASS
11AX20	2437	106Tone	RU53	-12.06	-9.05	≤8.00	PASS
11AX20	2437	106Tone	RU54	-11.80	-8.79	≤8.00	PASS
11AX20	2462	26Tone	RU0	-12.70	-9.69	≤8.00	PASS
11AX20	2462	26Tone	RU8	-11.32	-8.31	≤8.00	PASS
11AX20	2462	52Tone	RU37	-12.53	-9.52	≤8.00	PASS
11AX20	2462	52Tone	RU40	-13.49	-10.48	≤8.00	PASS
11AX20	2462	106Tone	RU53	-13.12	-10.11	≤8.00	PASS
11AX20	2462	106Tone	RU54	-12.47	-9.46	≤8.00	PASS

Note1: For SISO mode, we evaluated Ant2 and Ant3. Since the RF output power of Ant2 and Ant3 is approximately the same, only the test data for Ant3 is shown in this report.
Note2: CDD PSD = SISO PSD + 10*Log(N), N = Antenna number.



11AX20SISO-Ant3-2412-26Tone-RU0-PASS



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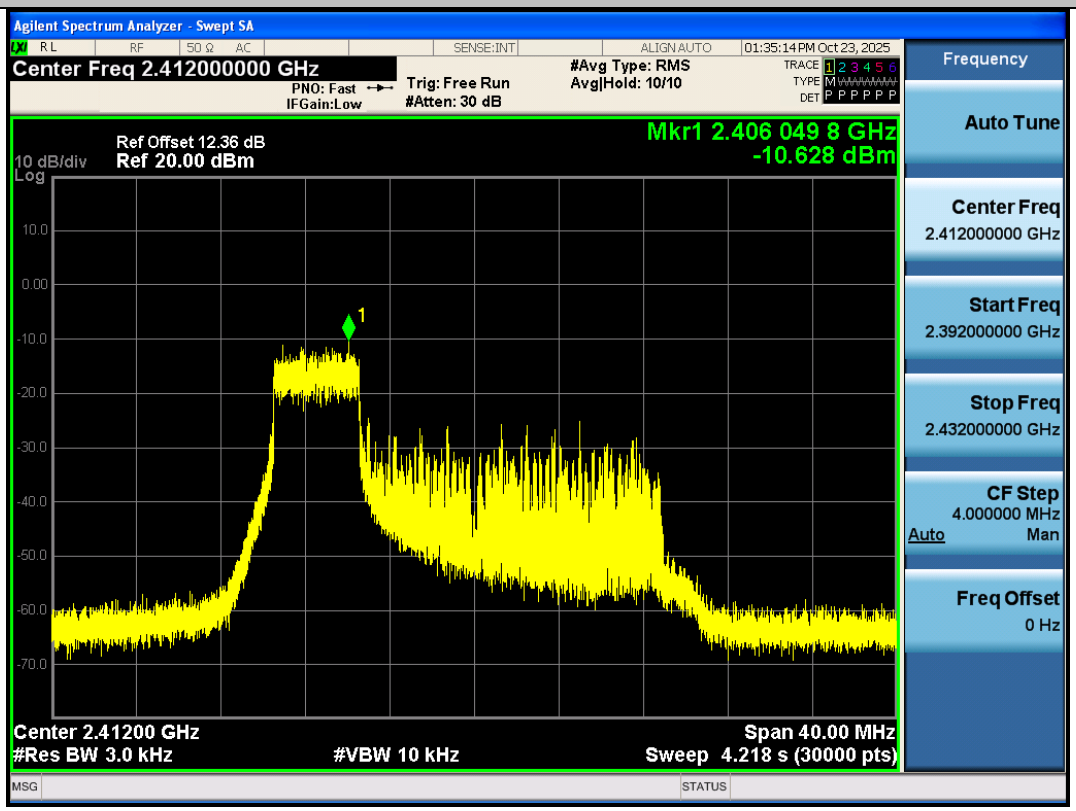
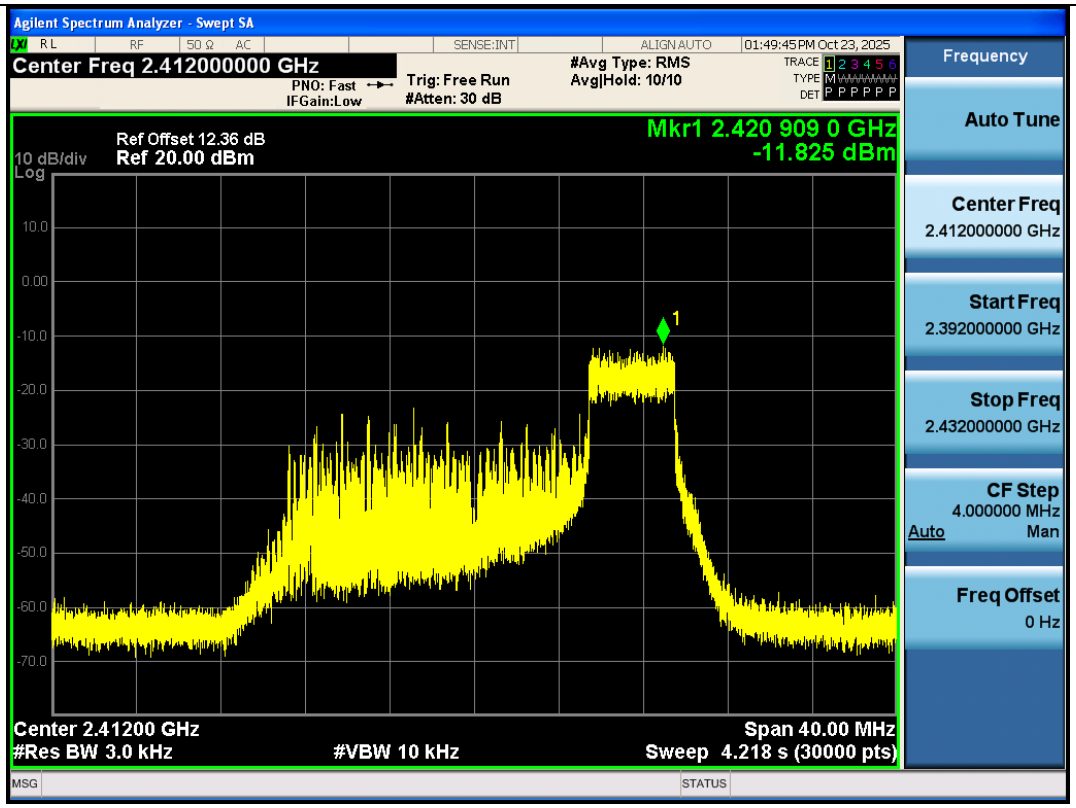
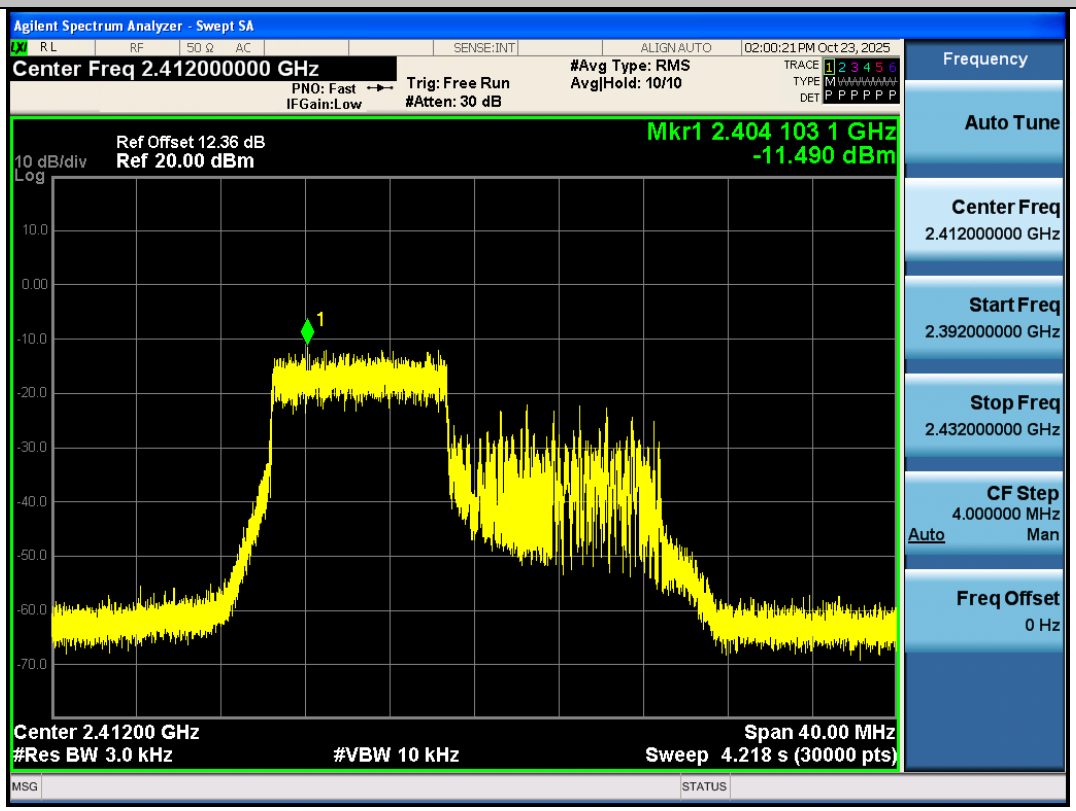


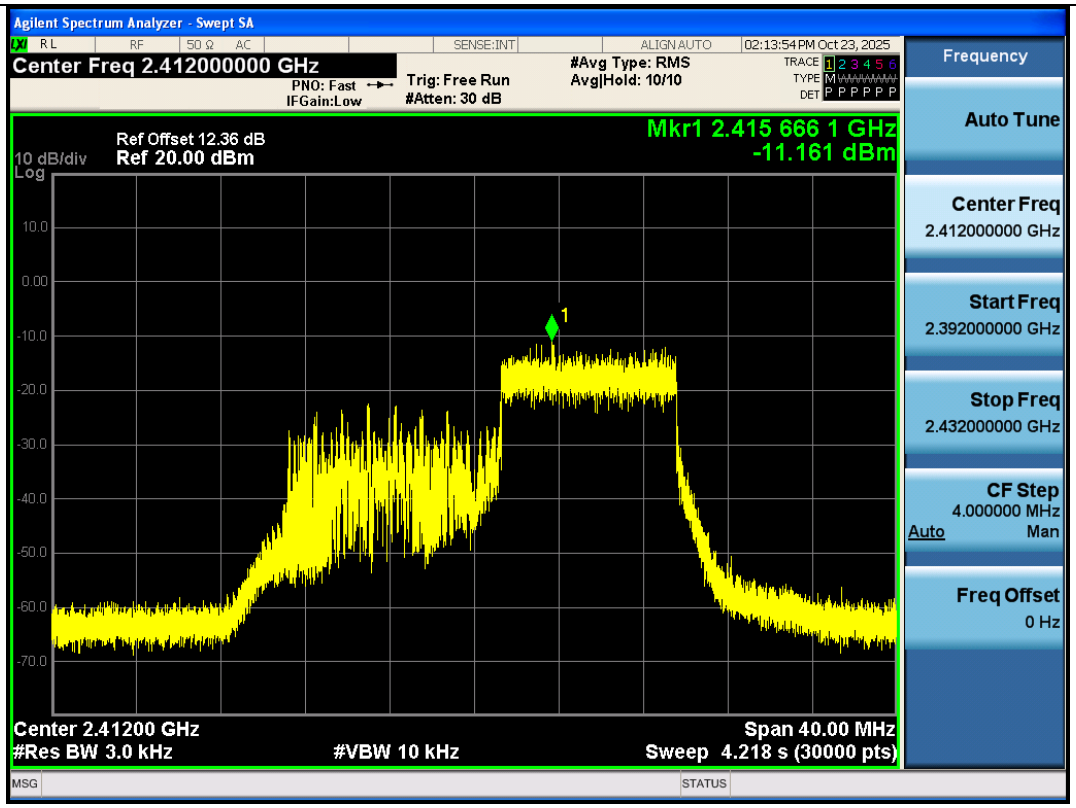
11AX20SISO-Ant3-2412-52Tone-RU37-PASS



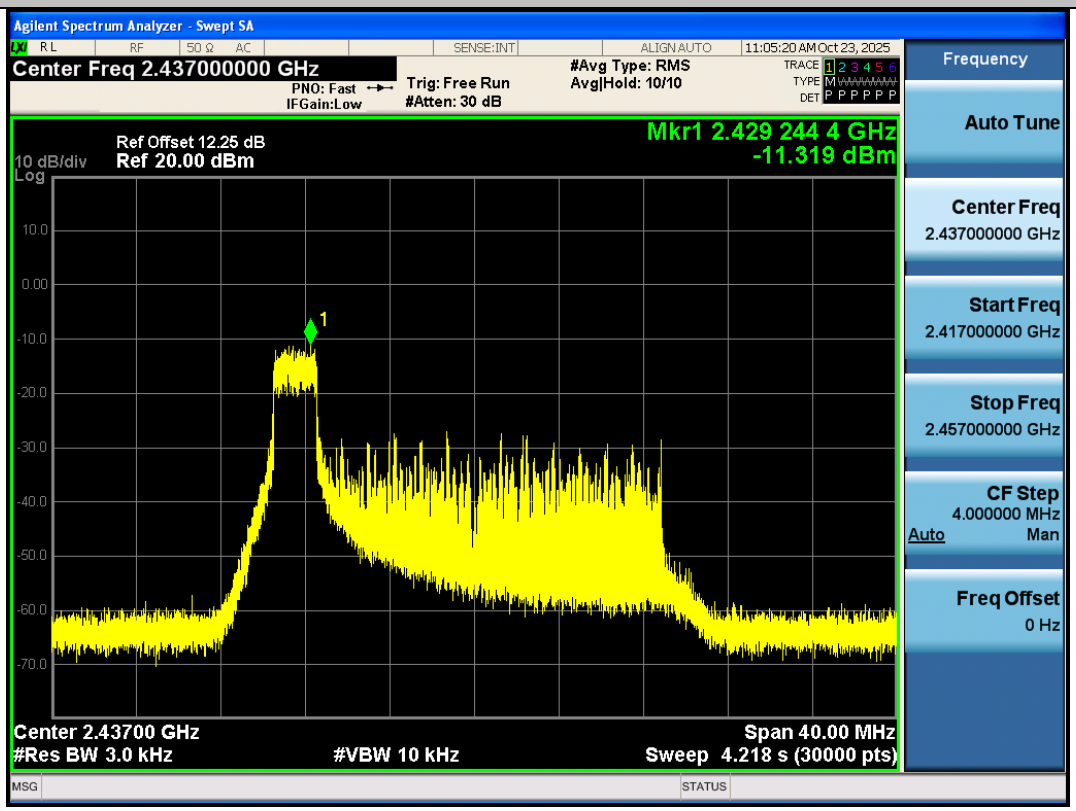
11AX20SISO-Ant3-2412-52Tone-RU40-PASS



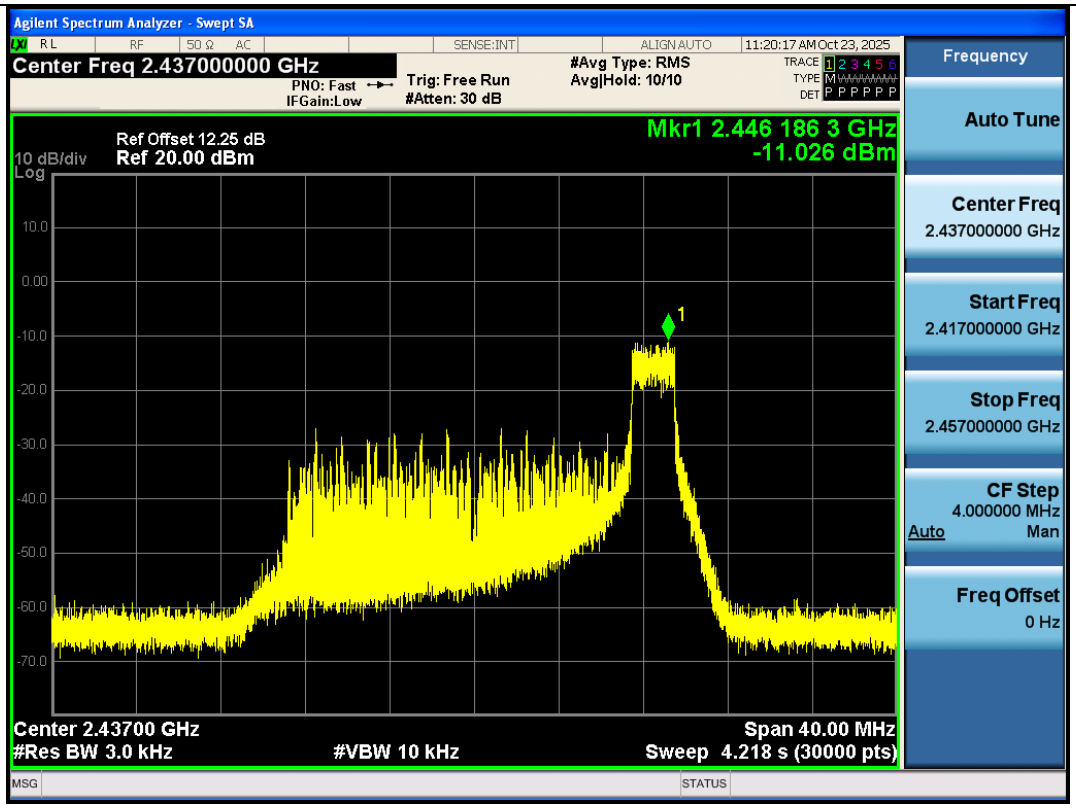
11AX20SISO-Ant3-2412-106Tone-RU53-PASS



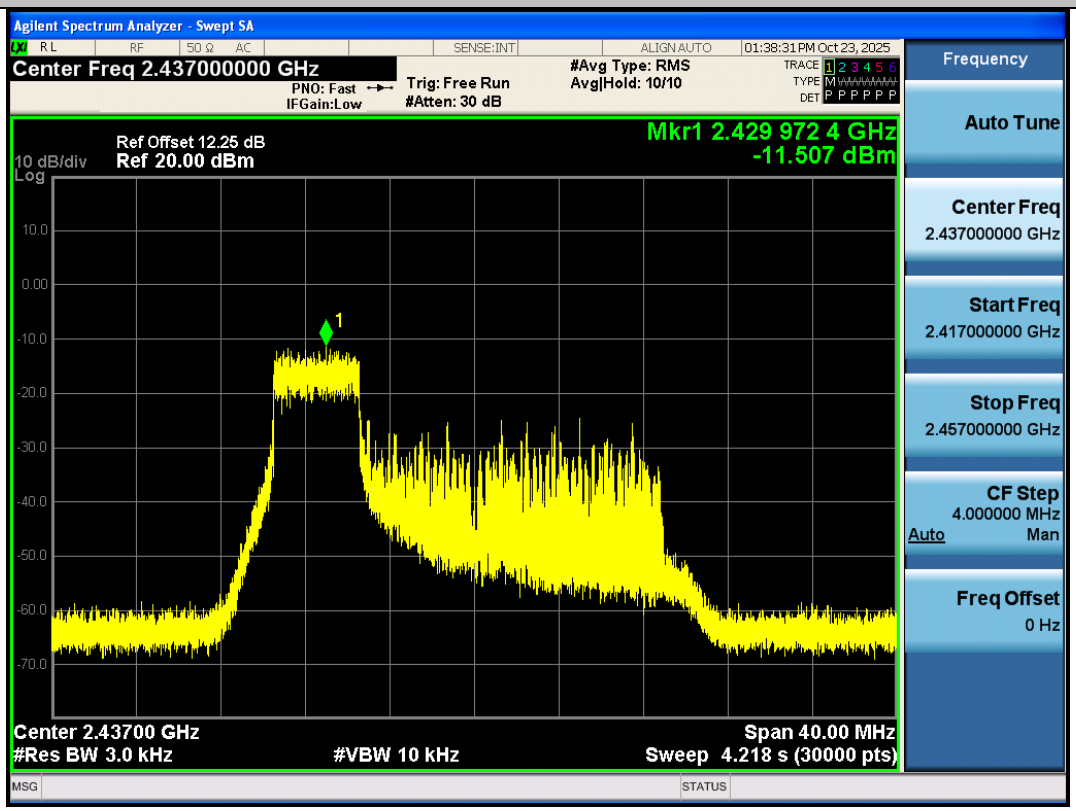
11AX20SISO-Ant3-2412-106Tone-RU54-PASS



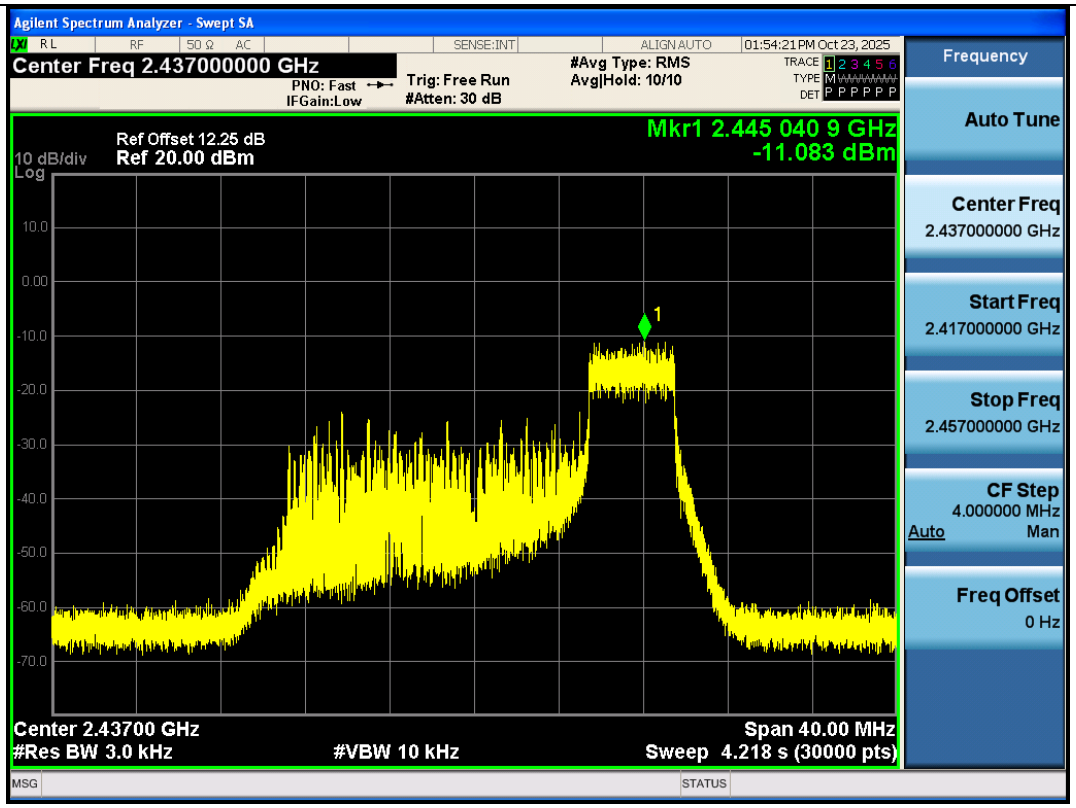
11AX20SISO-Ant3-2437-26Tone-RU0-PASS



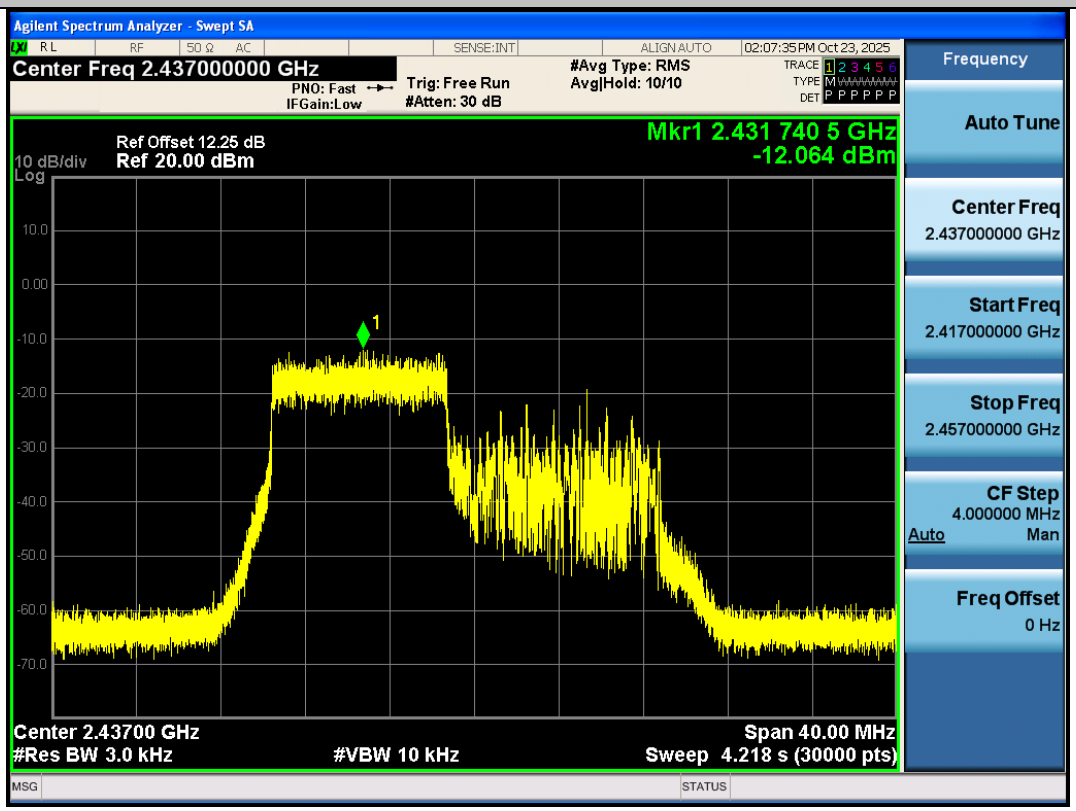
11AX20SISO-Ant3-2437-26Tone-RU8-PASS



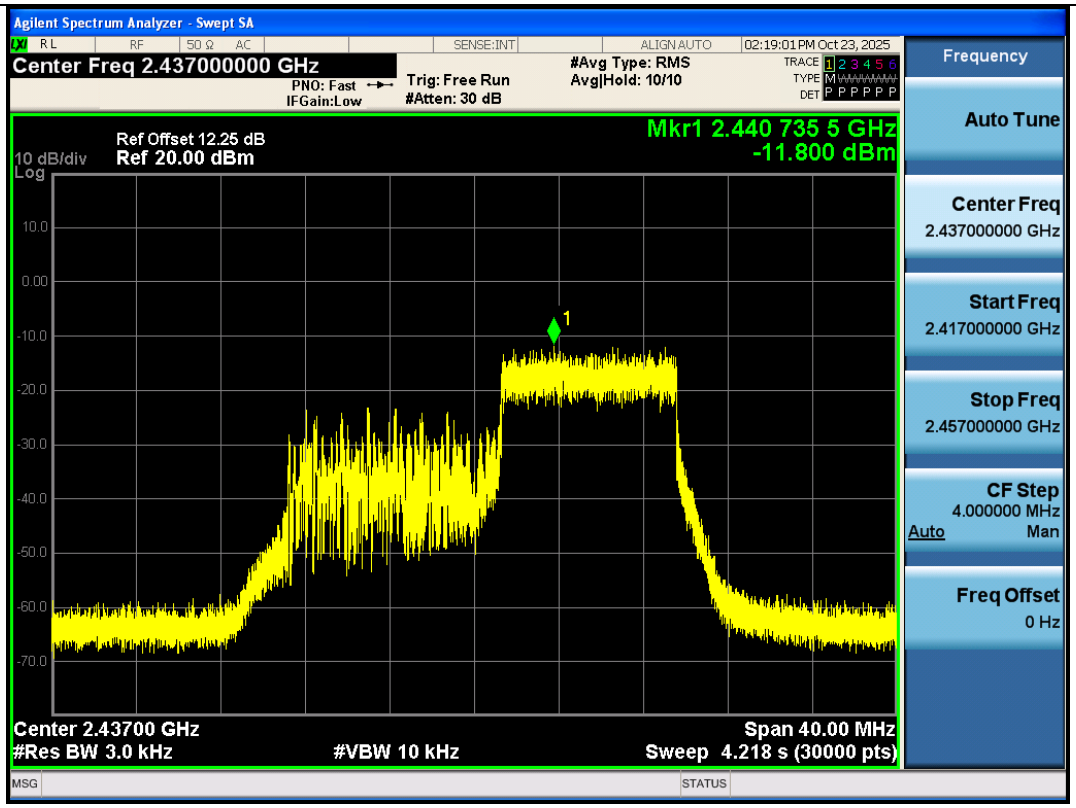
11AX20SISO-Ant3-2437-52Tone-RU37-PASS



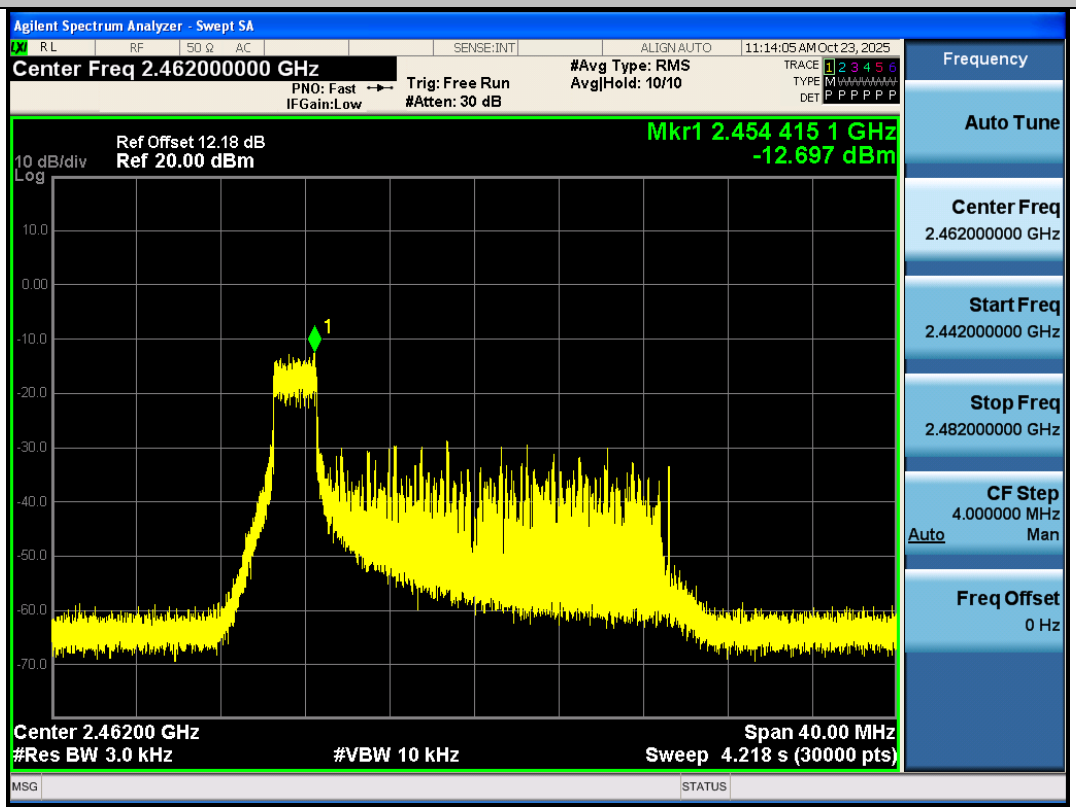
11AX20SISO-Ant3-2437-52Tone-RU40-PASS



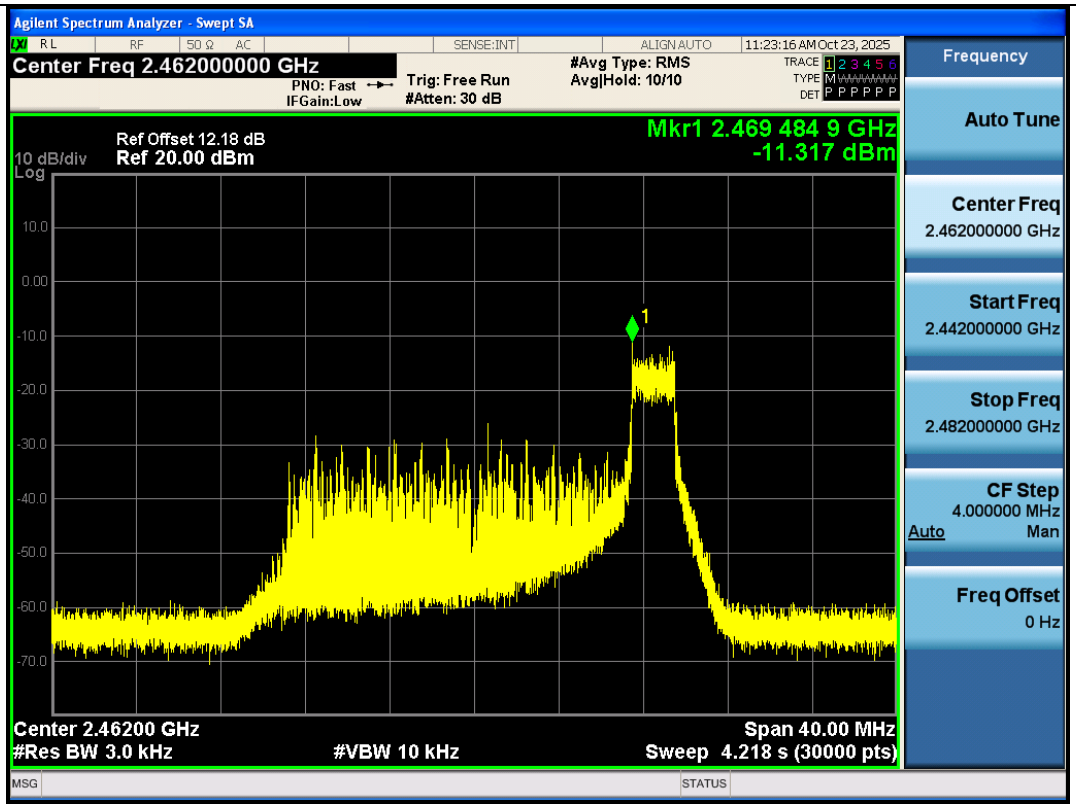
11AX20SISO-Ant3-2437-106Tone-RU53-PASS



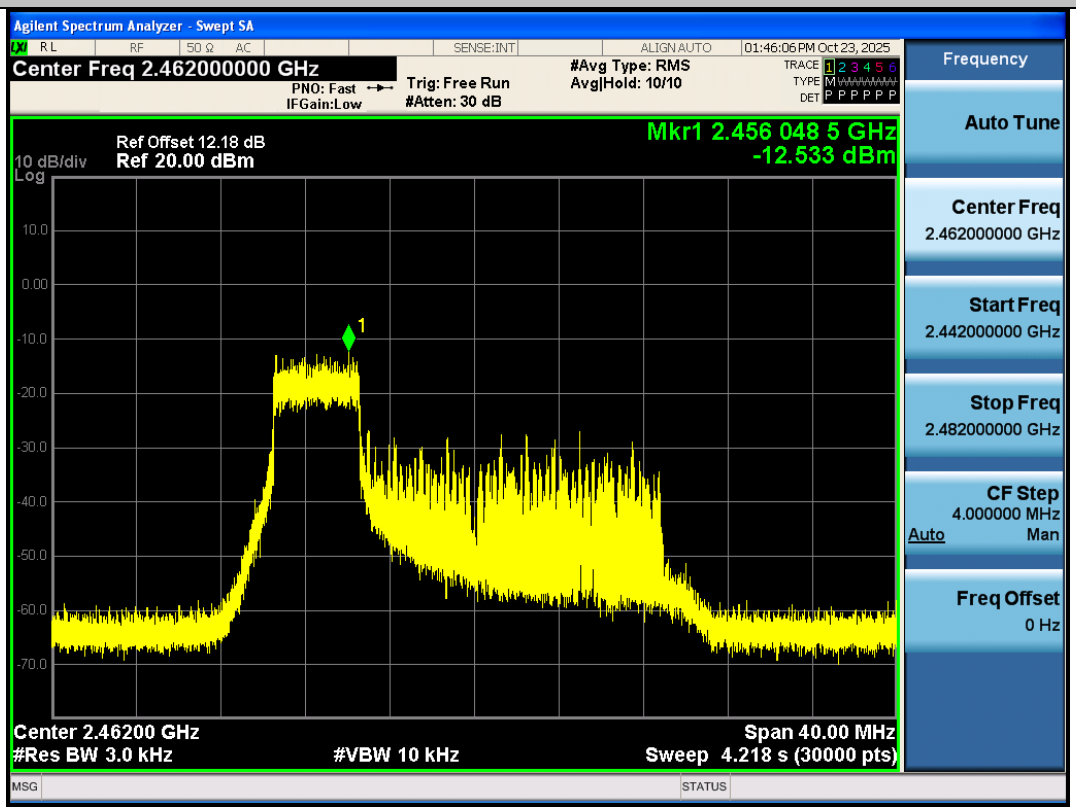
11AX20SISO-Ant3-2437-106Tone-RU54-PASS



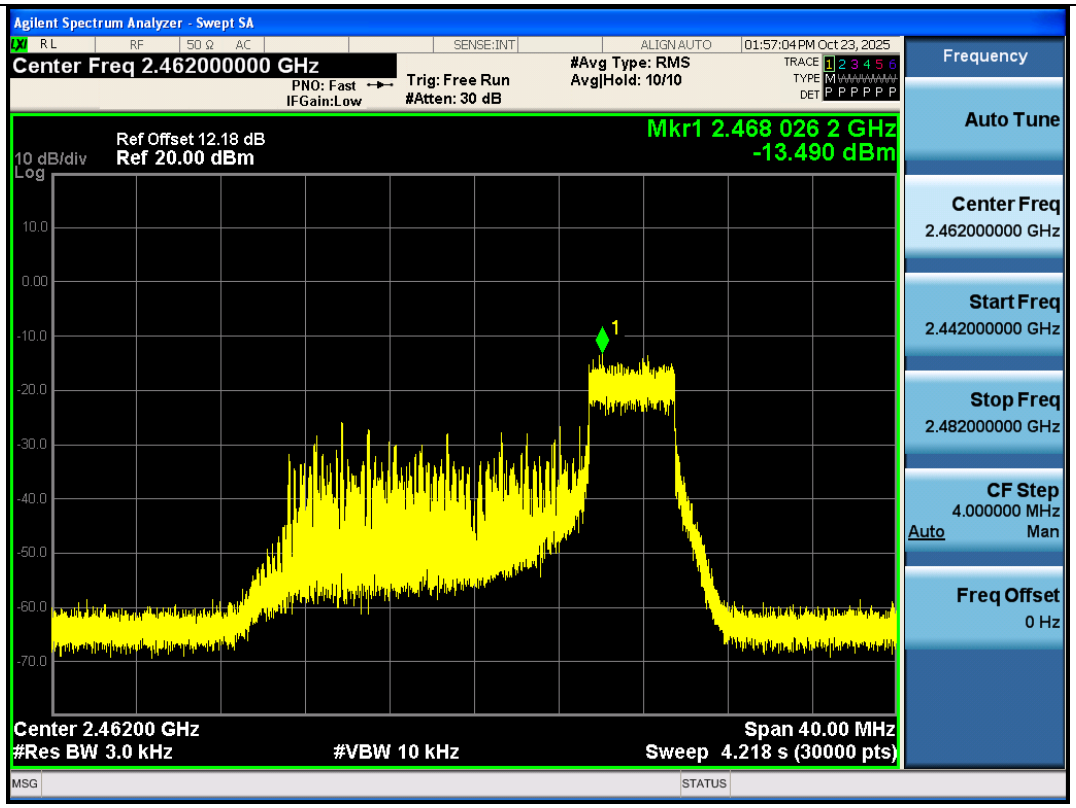
11AX20SISO-Ant3-2462-26Tone-RU0-PASS



11AX20SISO-Ant3-2462-26Tone-RU8-PASS



11AX20SISO-Ant3-2462-52Tone-RU37-PASS



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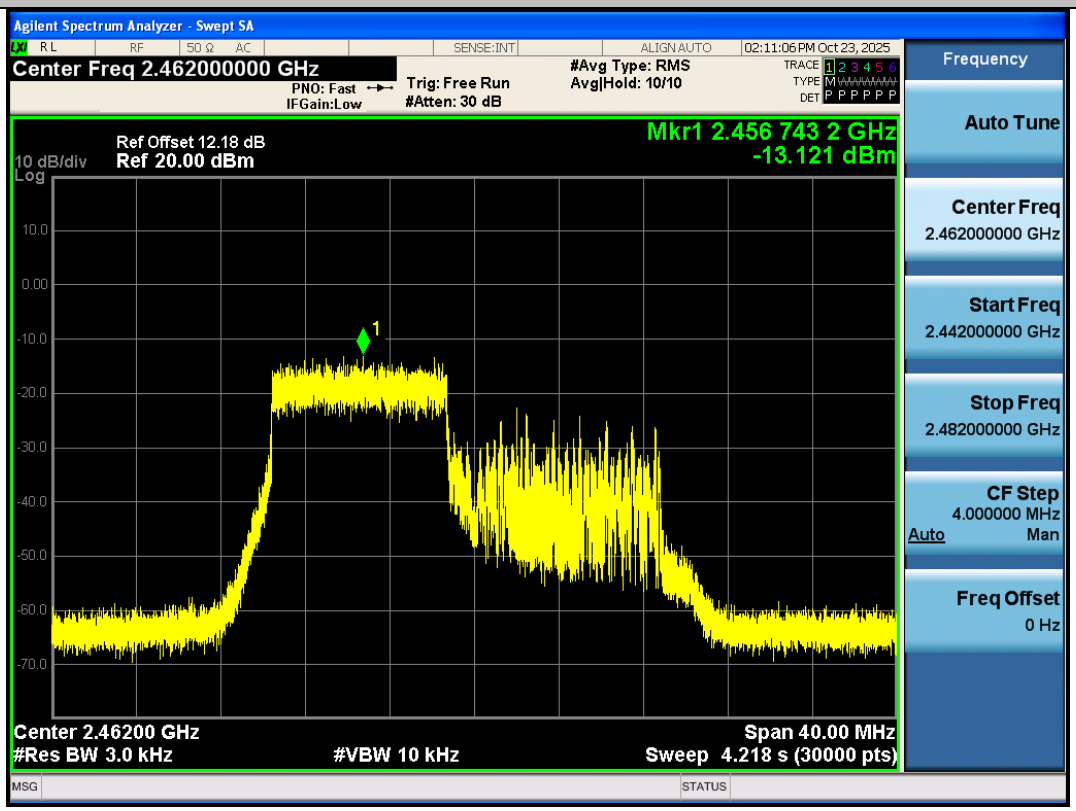
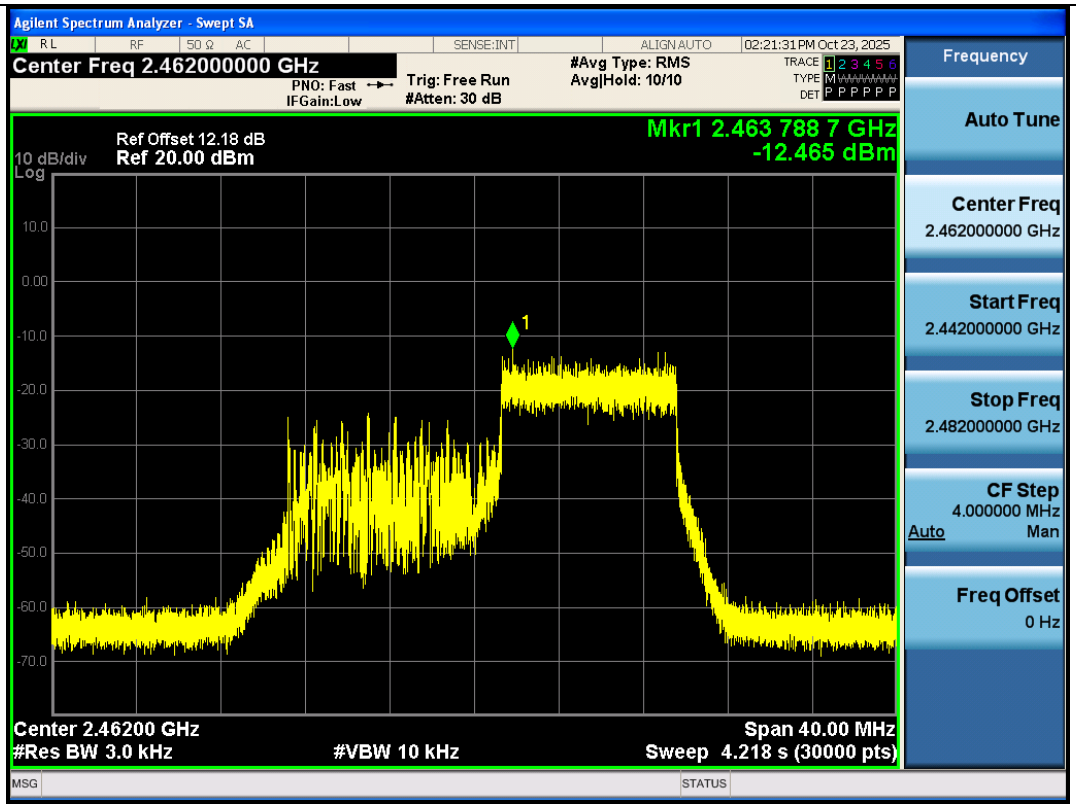


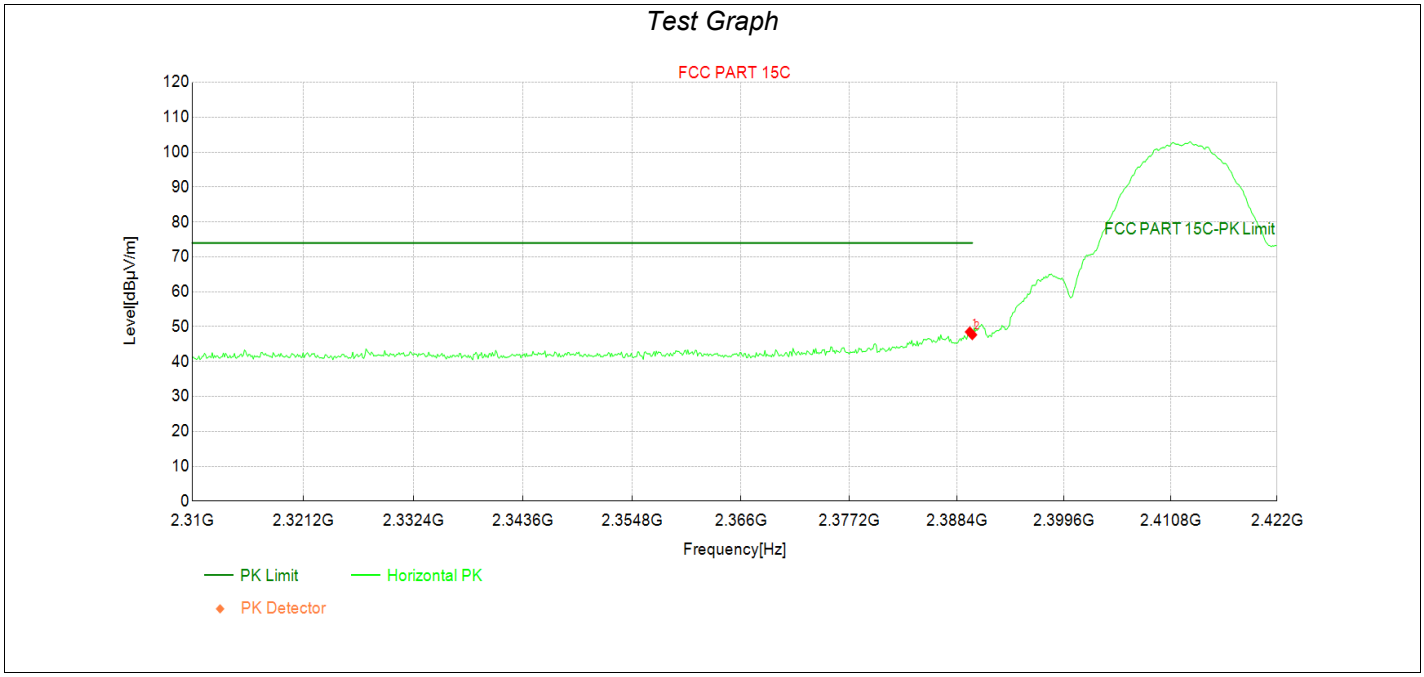
11AX20SISO-Ant3-2462-106Tone-RU53-PASS



11AX20SISO-Ant3-2462-106Tone-RU54-PASS

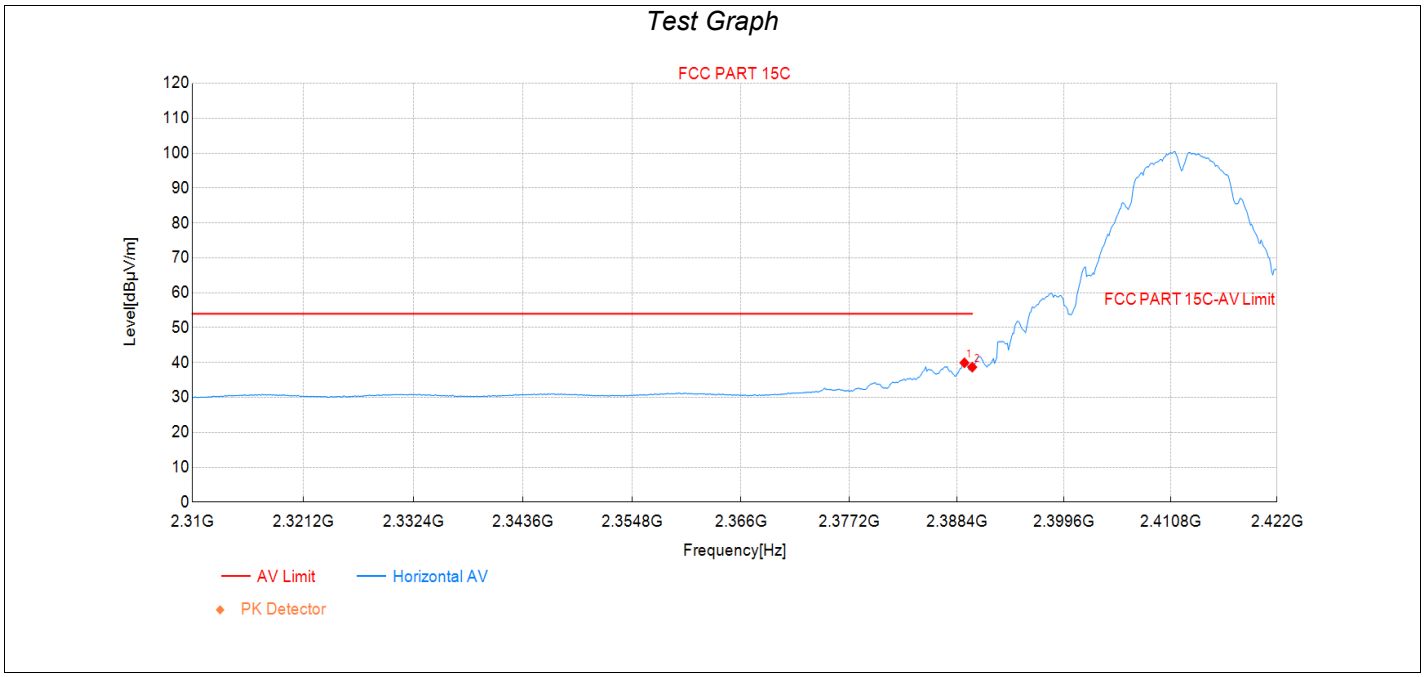
Appendix D: Band edge measurements

Transmit at 2412MHz by 802.11b with Ant3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2389.74	43.28	48.51	5.23	74.00	25.49	PK	Horizo	PASS
2	2390.00	42.44	47.67	5.23	74.00	26.33	PK	Horizo	PASS

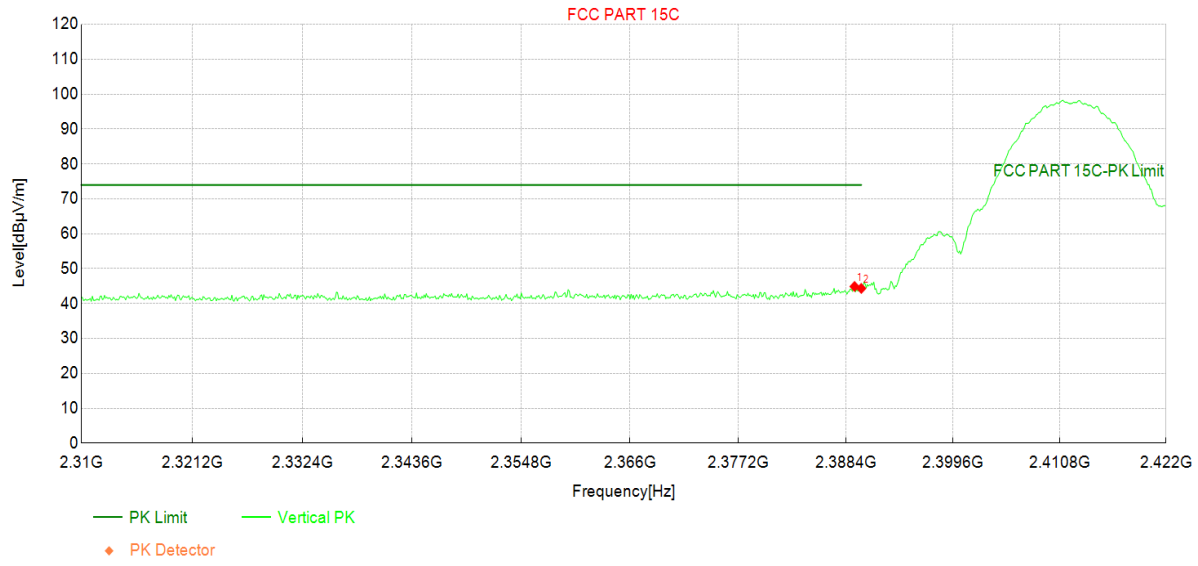
Transmit at 2412MHz by 802.11b with Ant3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2389.18	34.72	39.94	5.22	54.00	14.06	AV	Horizo	PASS
2	2390.00	33.45	38.68	5.23	54.00	15.32	AV	Horizo	PASS

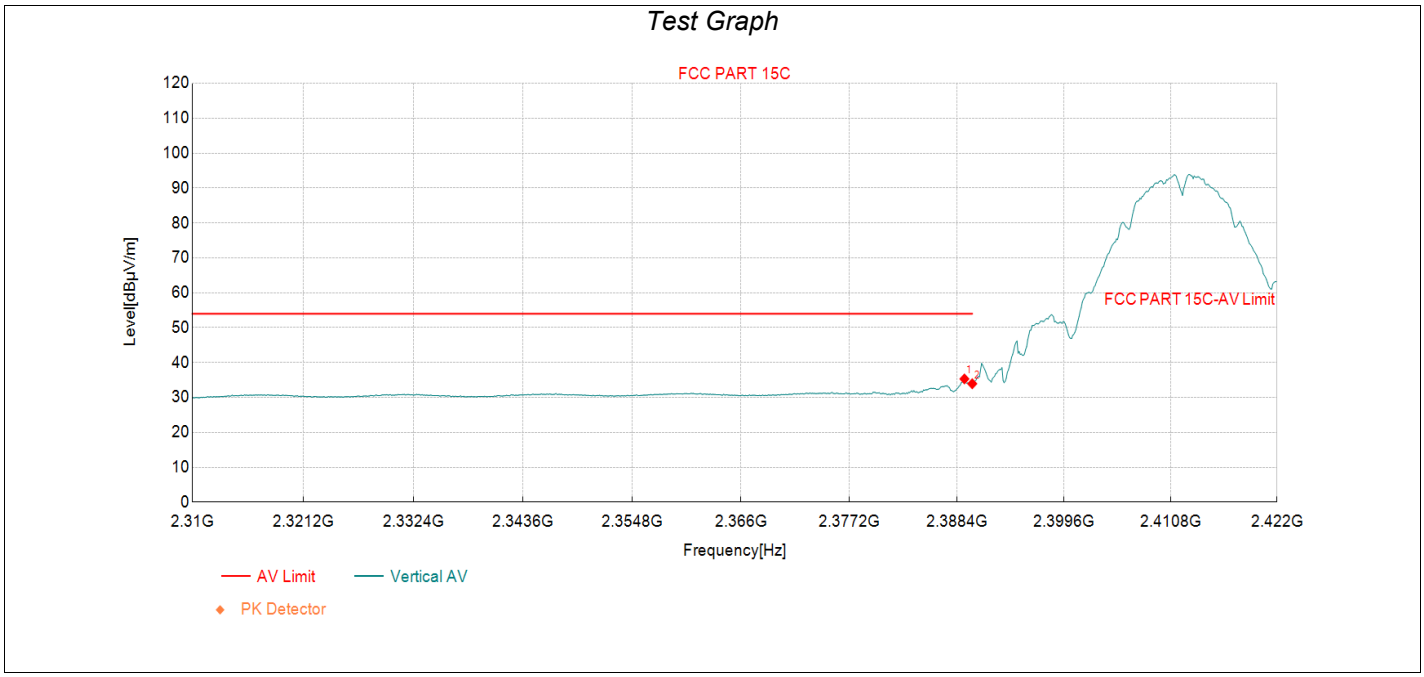
Transmit at 2412MHz by 802.11b with Ant3

Test Graph



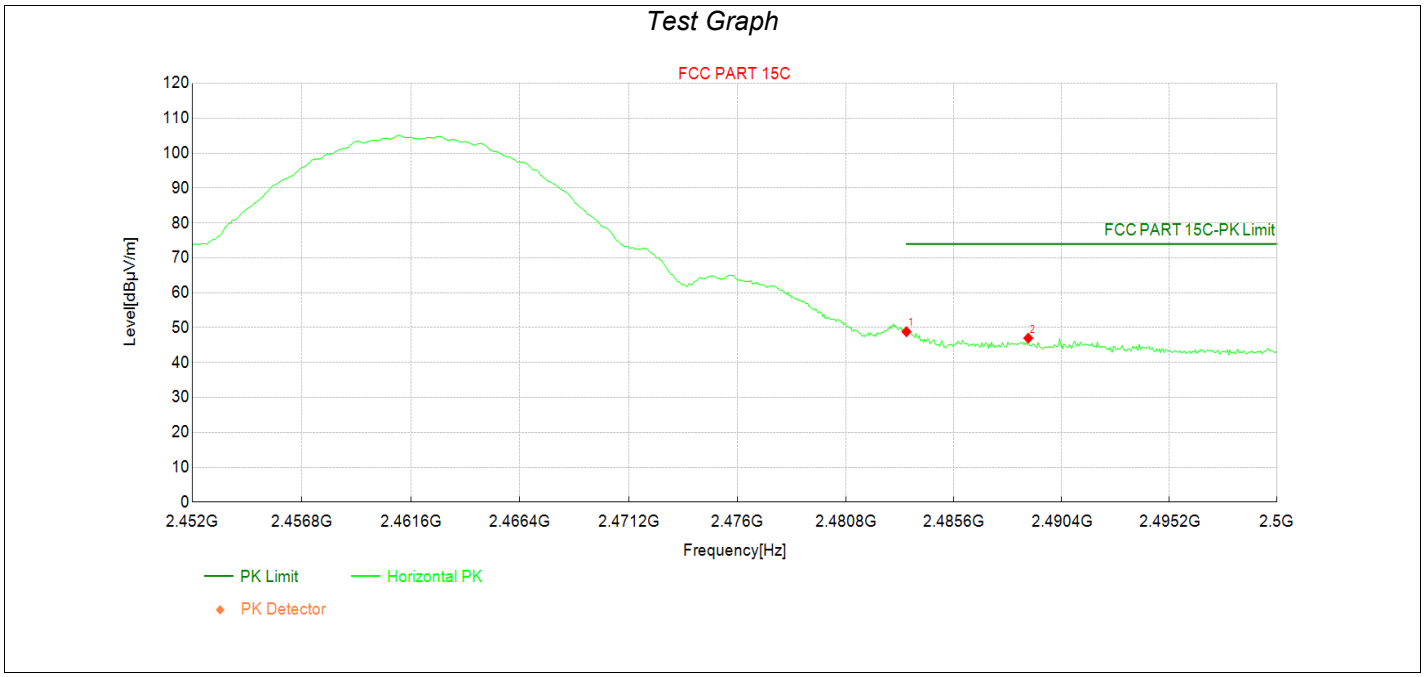
Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2389.30	39.67	44.89	5.22	74.00	29.11	PK	Vertic	PASS
2	2390.00	39.11	44.34	5.23	74.00	29.66	PK	Vertic	PASS

Transmit at 2412MHz by 802.11b with Ant3



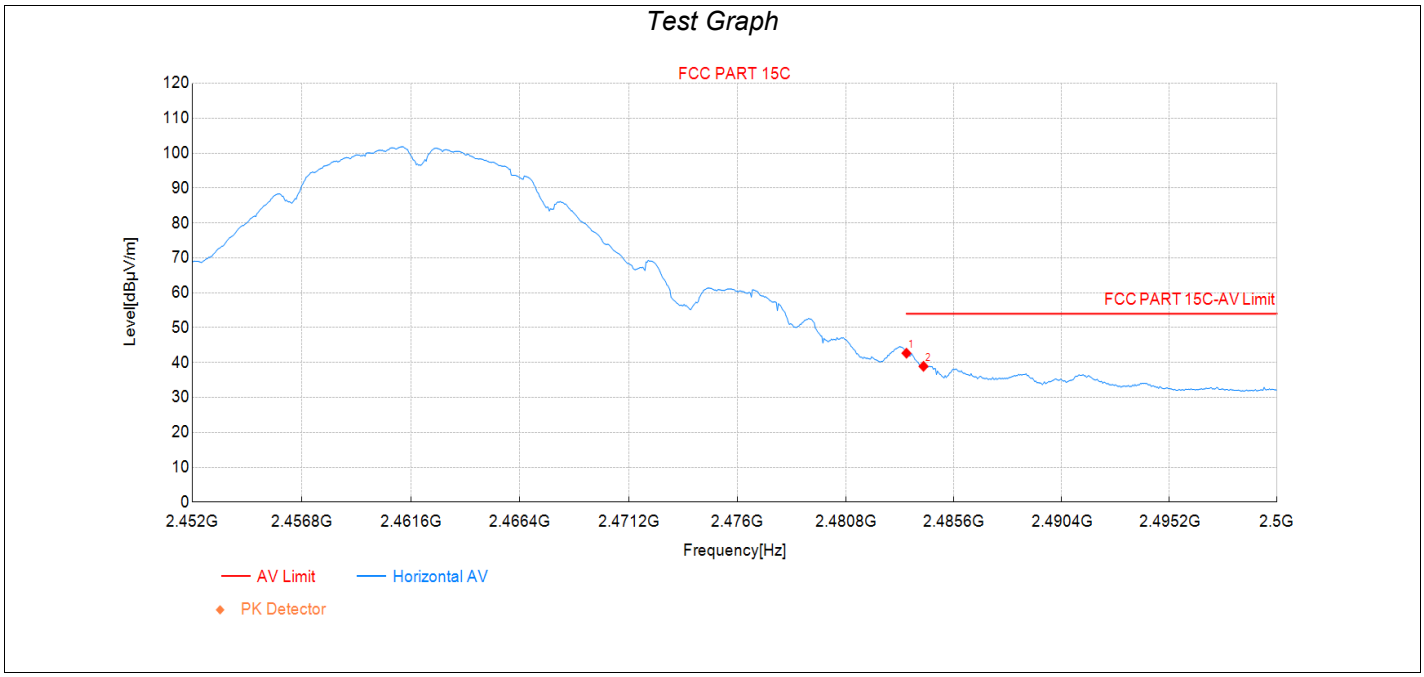
Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2389.18	30.09	35.31	5.22	54.00	18.69	AV	Vertic	PASS
2	2390.00	28.70	33.93	5.23	54.00	20.07	AV	Vertic	PASS

Transmit at 2462MHz by 802.11b with Ant3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	43.24	48.83	5.59	74.00	25.17	PK	Horizo	PASS
2	2488.91	41.38	47.00	5.62	74.00	27.00	PK	Horizo	PASS

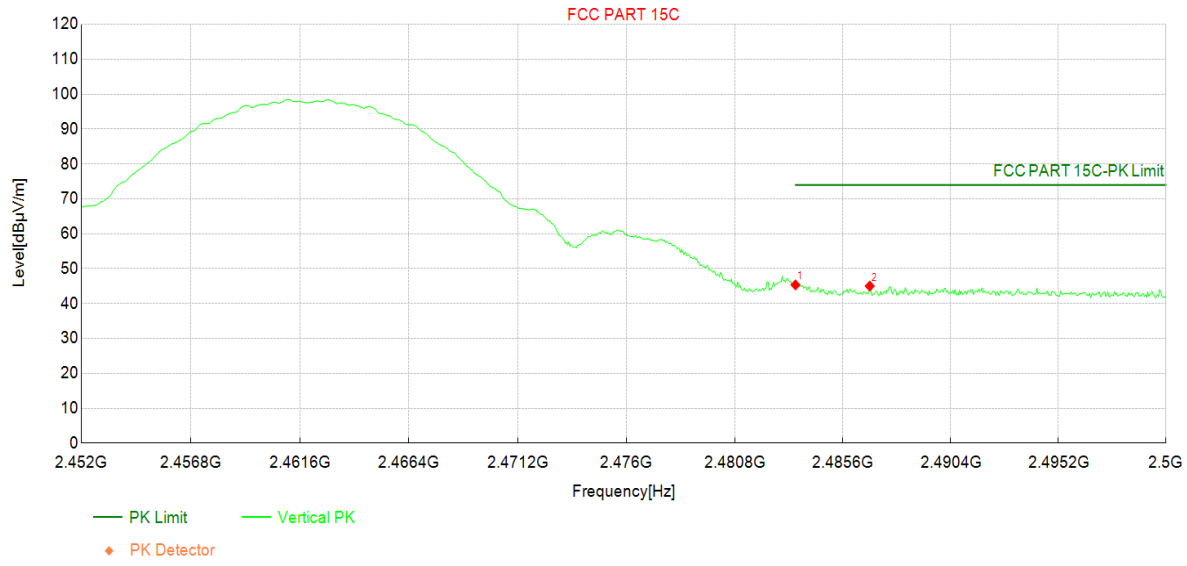
Transmit at 2462MHz by 802.11b with Ant3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	37.09	42.68	5.59	54.00	11.32	AV	Horizo	PASS
2	2484.26	33.32	38.92	5.60	54.00	15.08	AV	Horizo	PASS

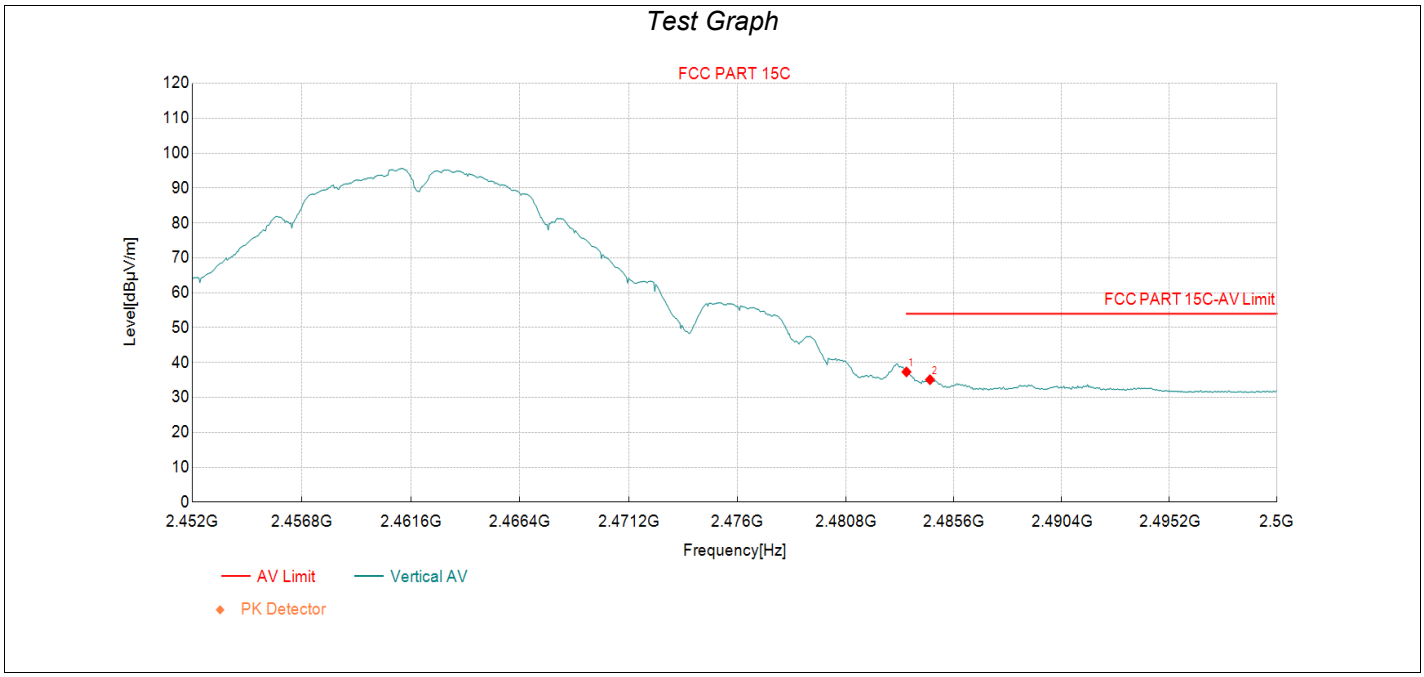
Transmit at 2462MHz by 802.11b with Ant3

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	39.76	45.35	5.59	74.00	28.65	PK	Vertic	PASS
2	2486.80	39.40	45.01	5.61	74.00	28.99	PK	Vertic	PASS

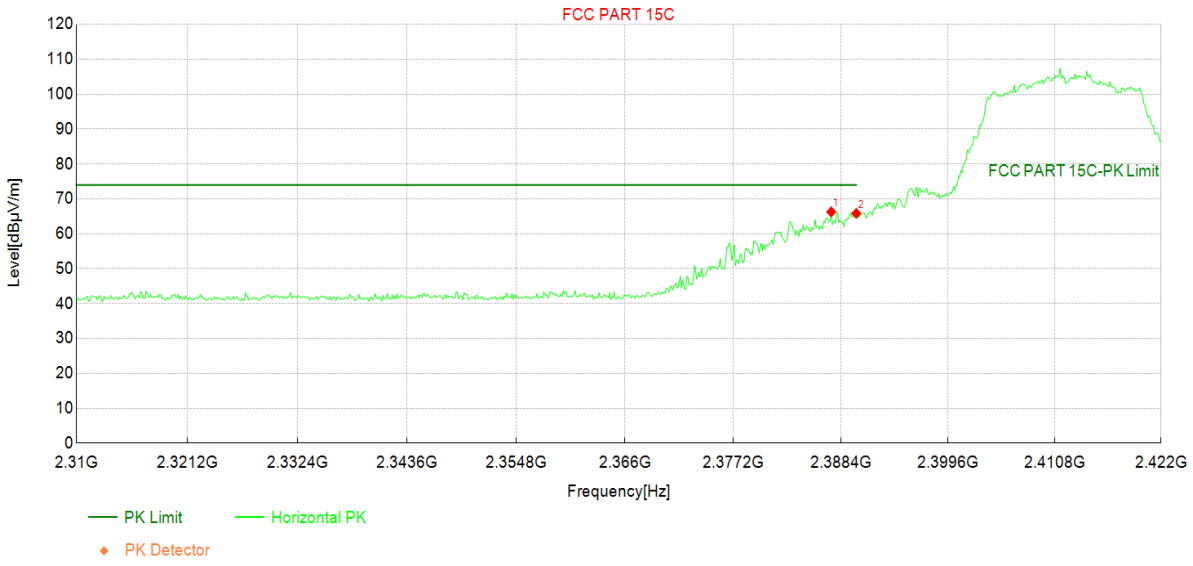
Transmit at 2462MHz by 802.11b with Ant3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	31.73	37.32	5.59	54.00	16.68	AV	Vertic	PASS
2	2484.54	29.48	35.09	5.61	54.00	18.91	AV	Vertic	PASS

Transmit at 2412MHz by 802.11g with Ant3

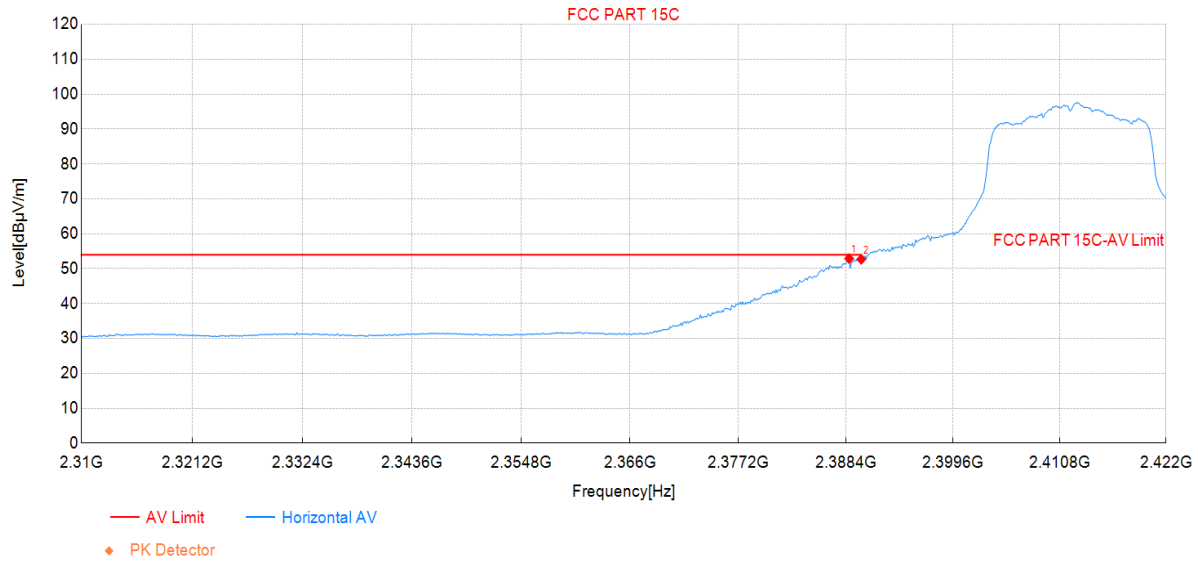
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2387.39	61.06	66.27	5.21	74.00	7.73	PK	Horizo	PASS
2	2390.00	60.61	65.84	5.23	74.00	8.16	PK	Horizo	PASS

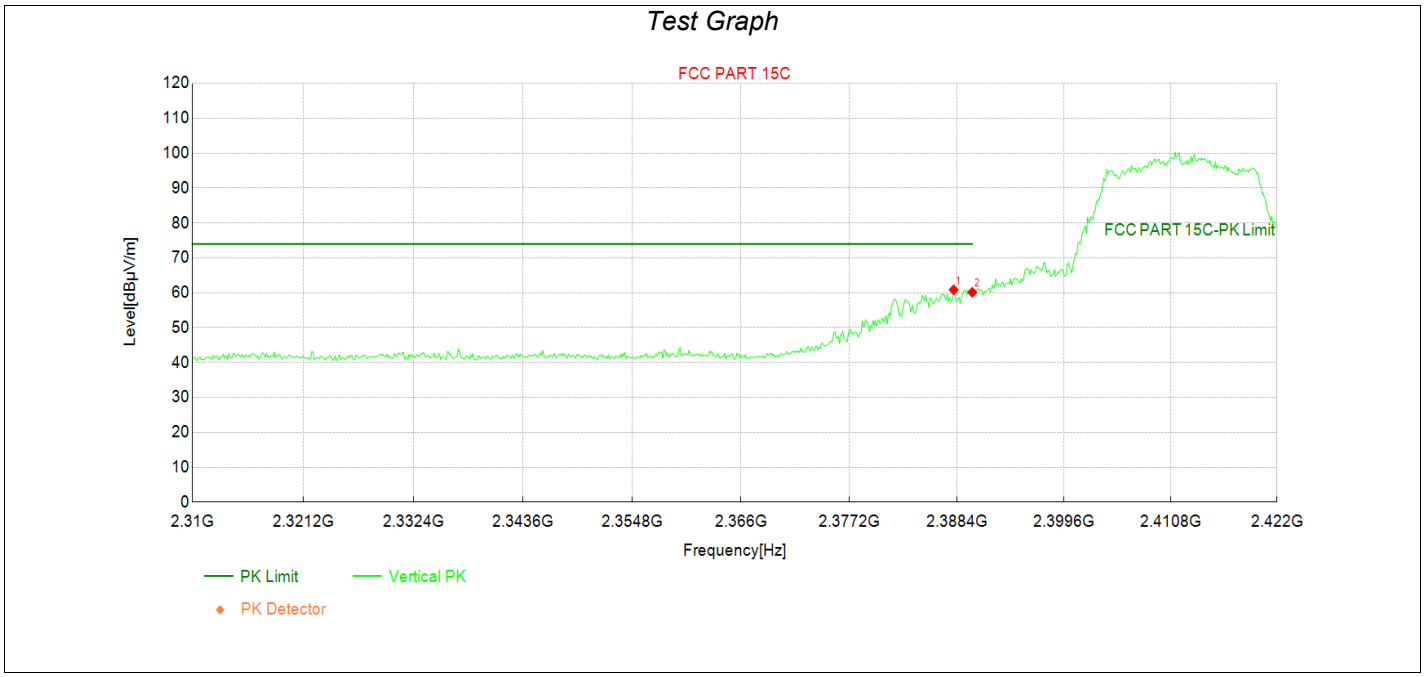
Transmit at 2412MHz by 802.11g with Ant3

Test Graph



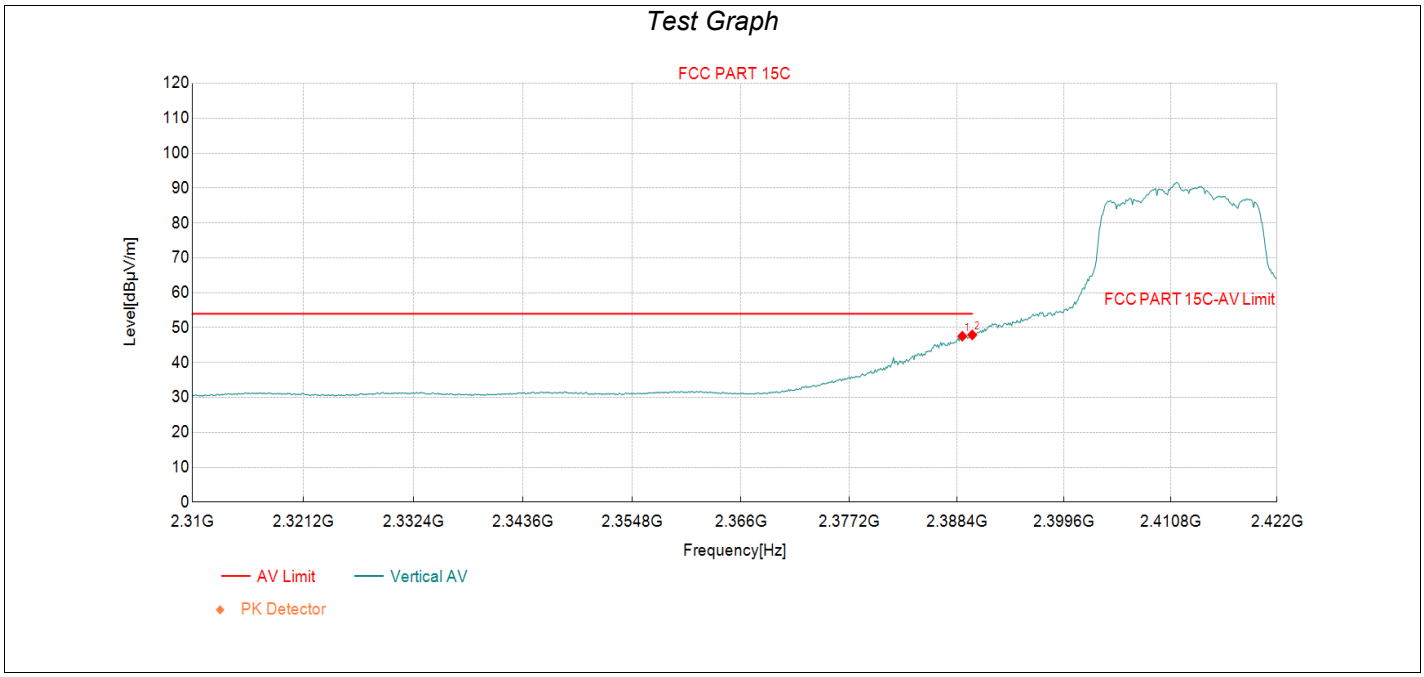
Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2388.74	47.66	52.88	5.22	54.00	1.12	AV	Horizo	PASS
2	2390.00	47.46	52.69	5.23	54.00	1.31	AV	Horizo	PASS

Transmit at 2412MHz by 802.11g with Ant3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2388.06	55.64	60.85	5.21	74.00	13.15	PK	Vertic	PASS
2	2390.00	54.91	60.14	5.23	74.00	13.86	PK	Vertic	PASS

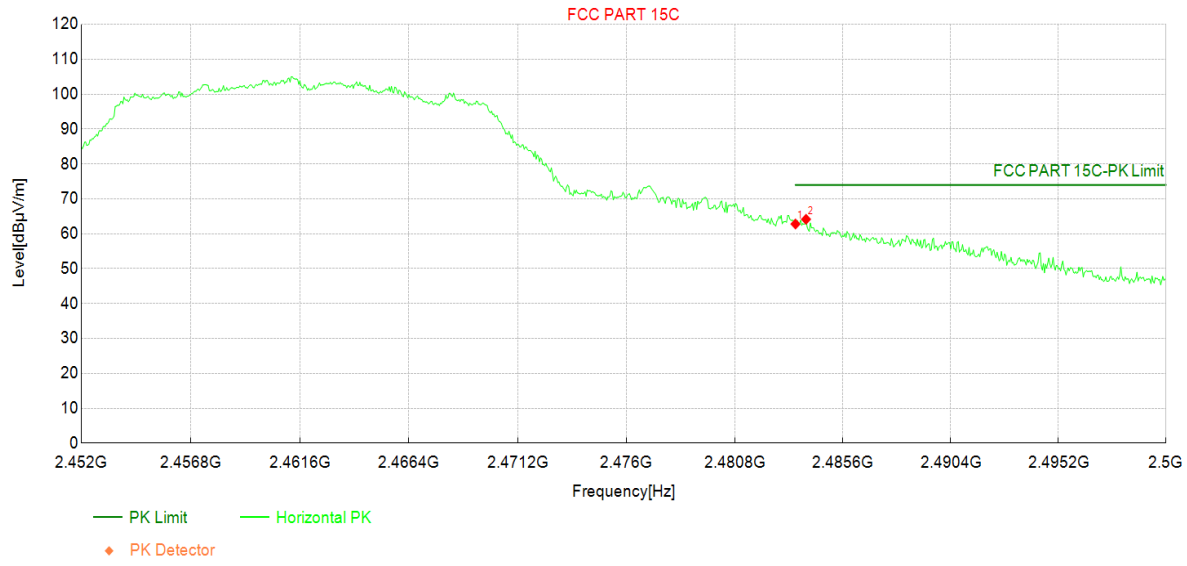
Transmit at 2412MHz by 802.11g with Ant3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2388.96	42.32	47.54	5.22	54.00	6.46	AV	Vertic	PASS
2	2390.00	42.69	47.92	5.23	54.00	6.08	AV	Vertic	PASS

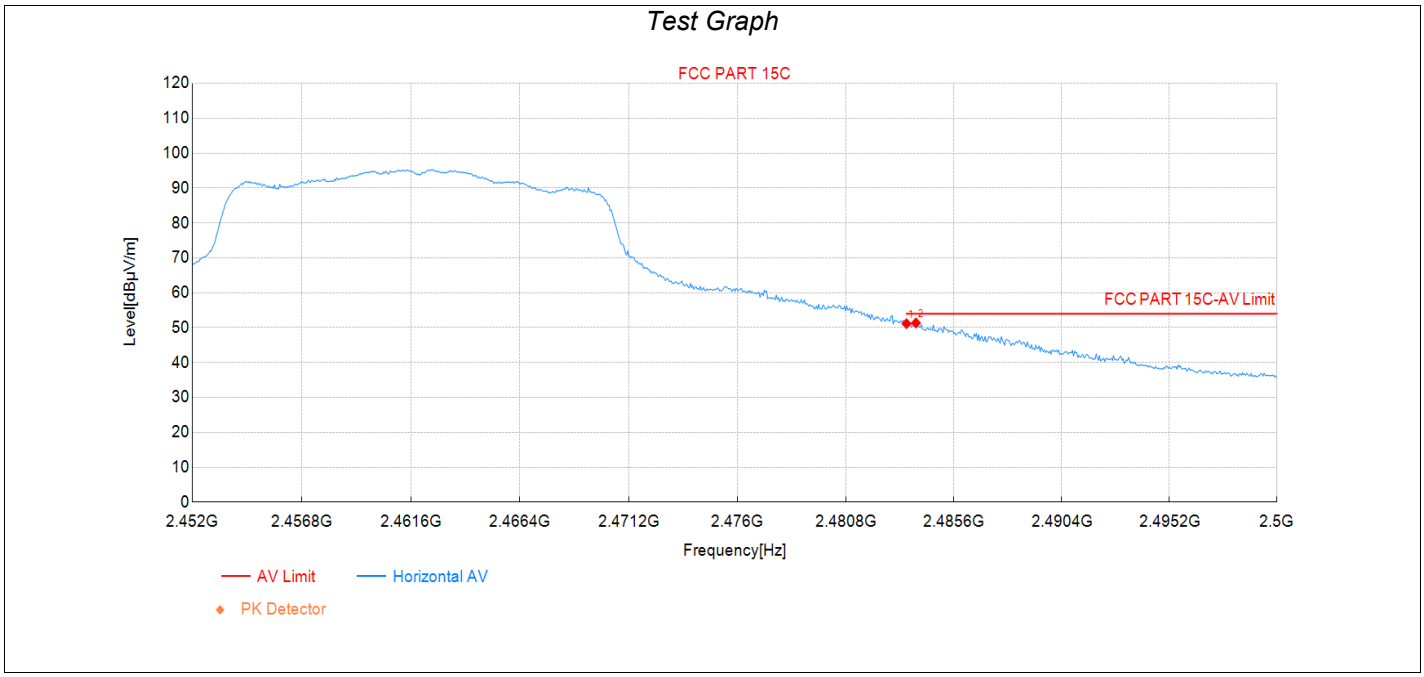
Transmit at 2462MHz by 802.11g with Ant3

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	57.20	62.79	5.59	74.00	11.21	PK	Horizo	PASS
2	2483.97	58.56	64.15	5.59	74.00	9.85	PK	Horizo	PASS

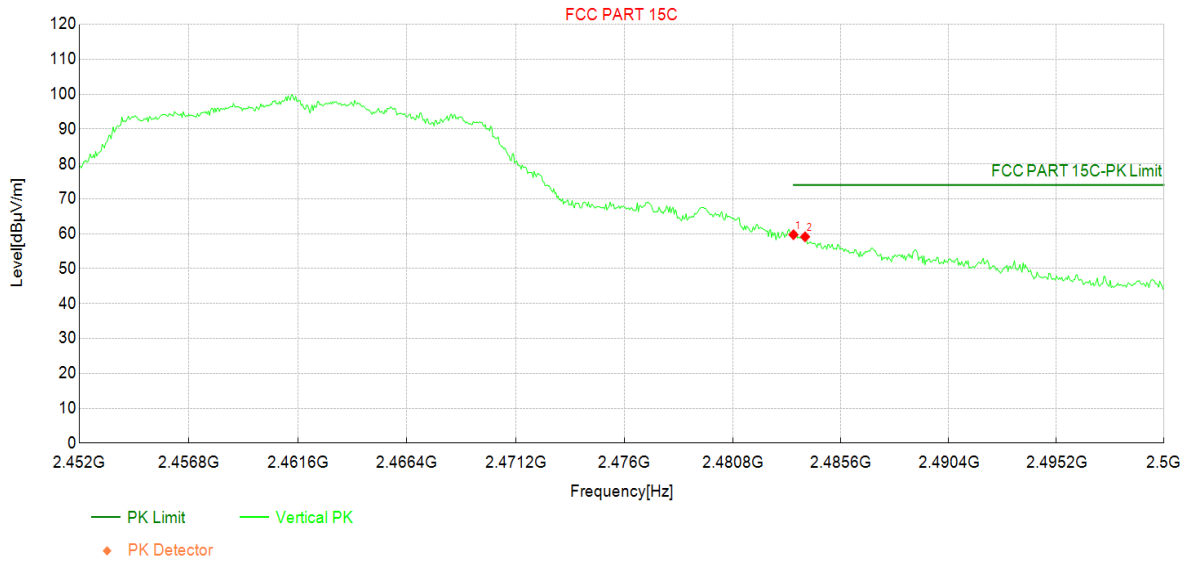
Transmit at 2462MHz by 802.11g with Ant3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	45.56	51.15	5.59	54.00	2.85	AV	Horizo	PASS
2	2483.92	45.75	51.34	5.59	54.00	2.66	AV	Horizo	PASS

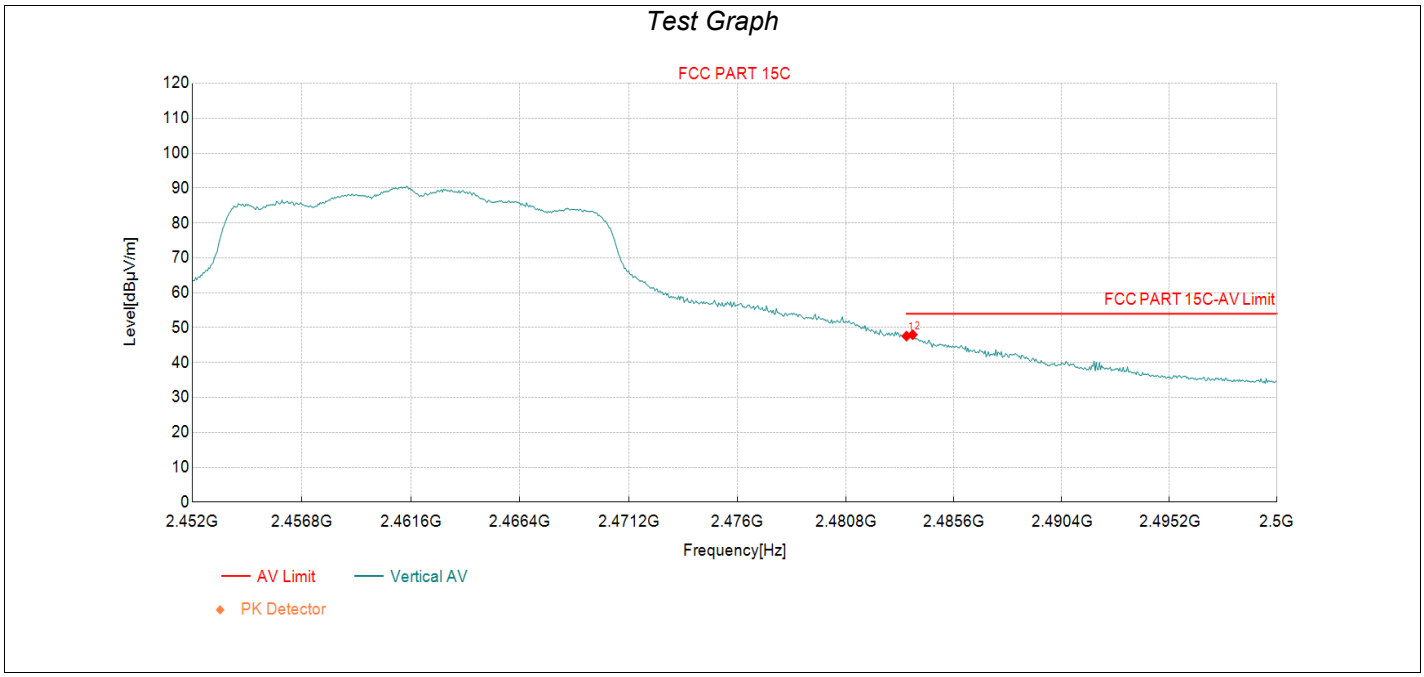
Transmit at 2462MHz by 802.11g with Ant3

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	54.14	59.73	5.59	74.00	14.27	PK	Vertic	PASS
2	2484.02	53.53	59.13	5.60	74.00	14.87	PK	Vertic	PASS

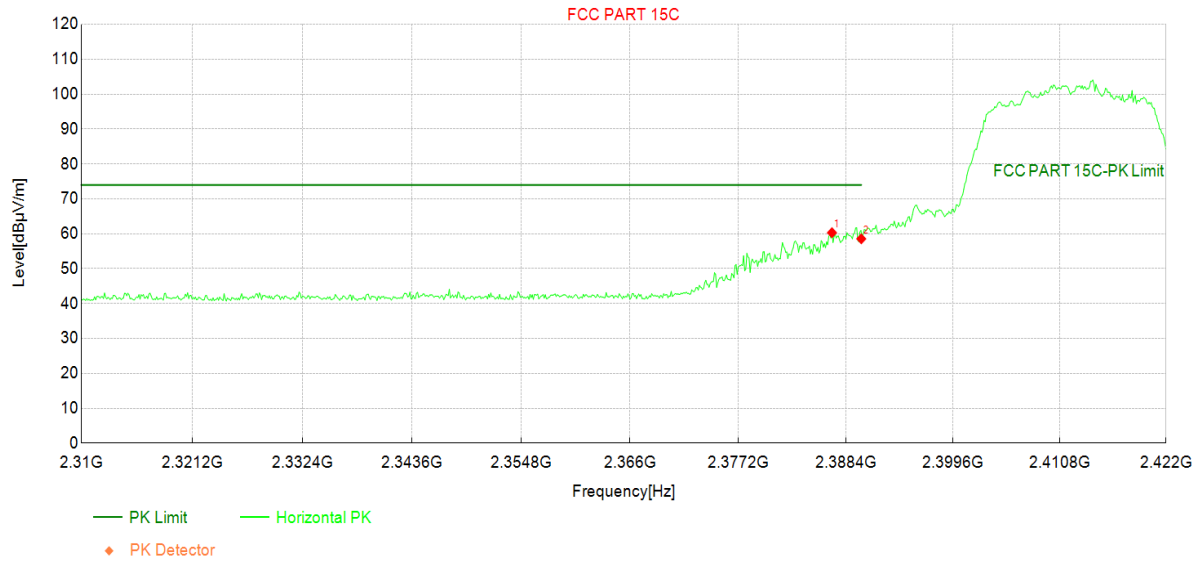
Transmit at 2462MHz by 802.11g with Ant3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	41.99	47.58	5.59	54.00	6.42	AV	Vertic	PASS
2	2483.78	42.38	47.97	5.59	54.00	6.03	AV	Vertic	PASS

Transmit at 2412MHz by 802.11n(20MHz) with Ant2+3

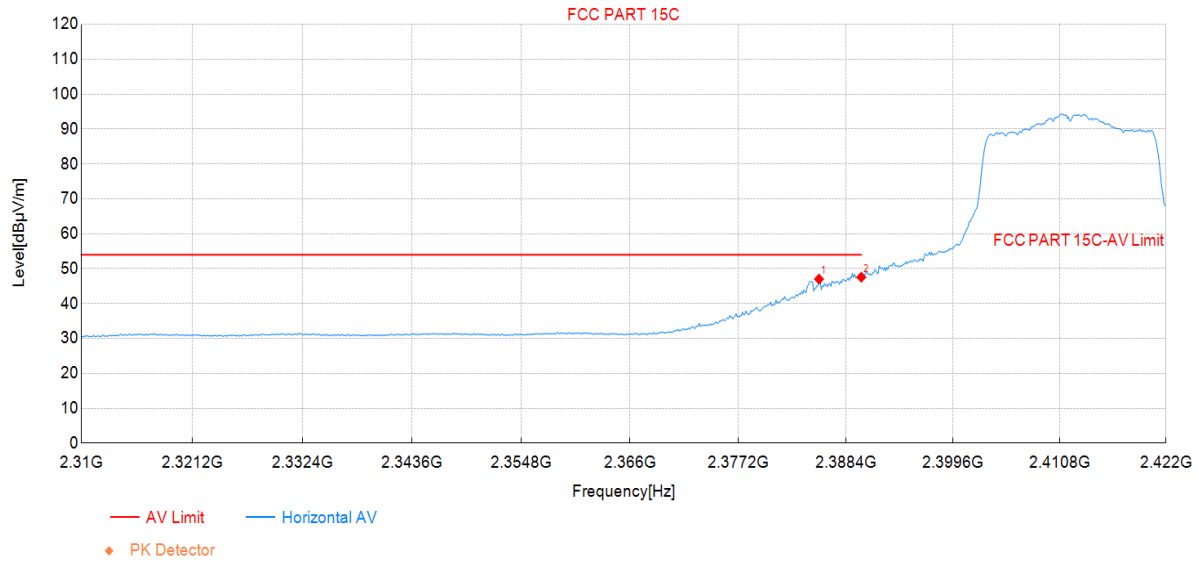
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2386.94	55.09	60.30	5.21	74.00	13.70	PK	Horizo	PASS
2	2390.00	53.32	58.55	5.23	74.00	15.45	PK	Horizo	PASS

Transmit at 2412MHz by 802.11n(20MHz) with Ant2+3

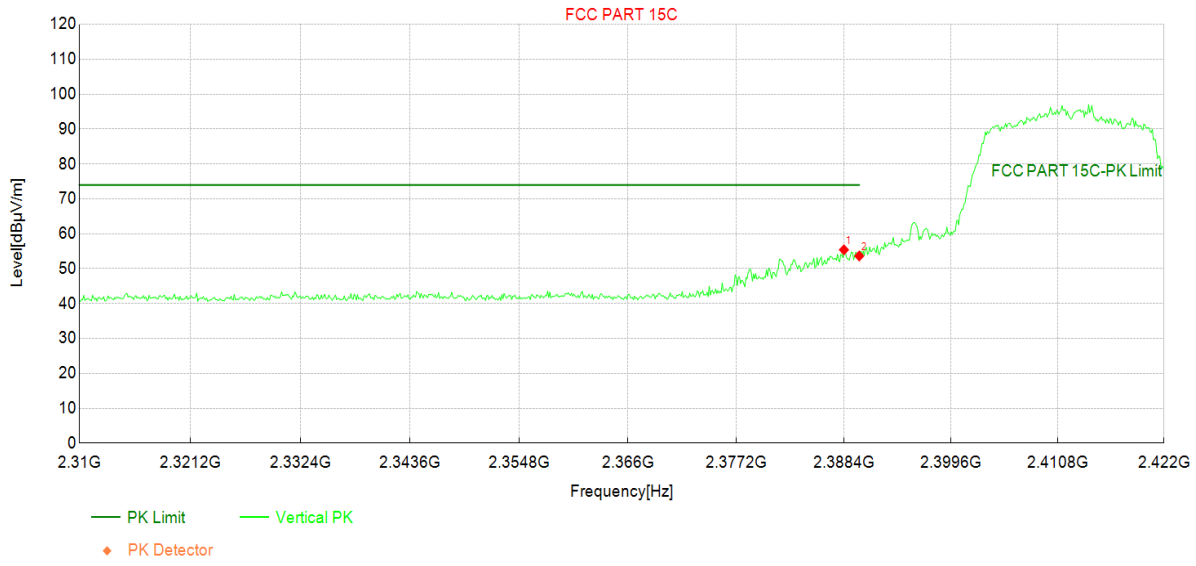
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2385.60	41.81	47.01	5.20	54.00	6.99	AV	Horizo	PASS
2	2390.00	42.33	47.56	5.23	54.00	6.44	AV	Horizo	PASS

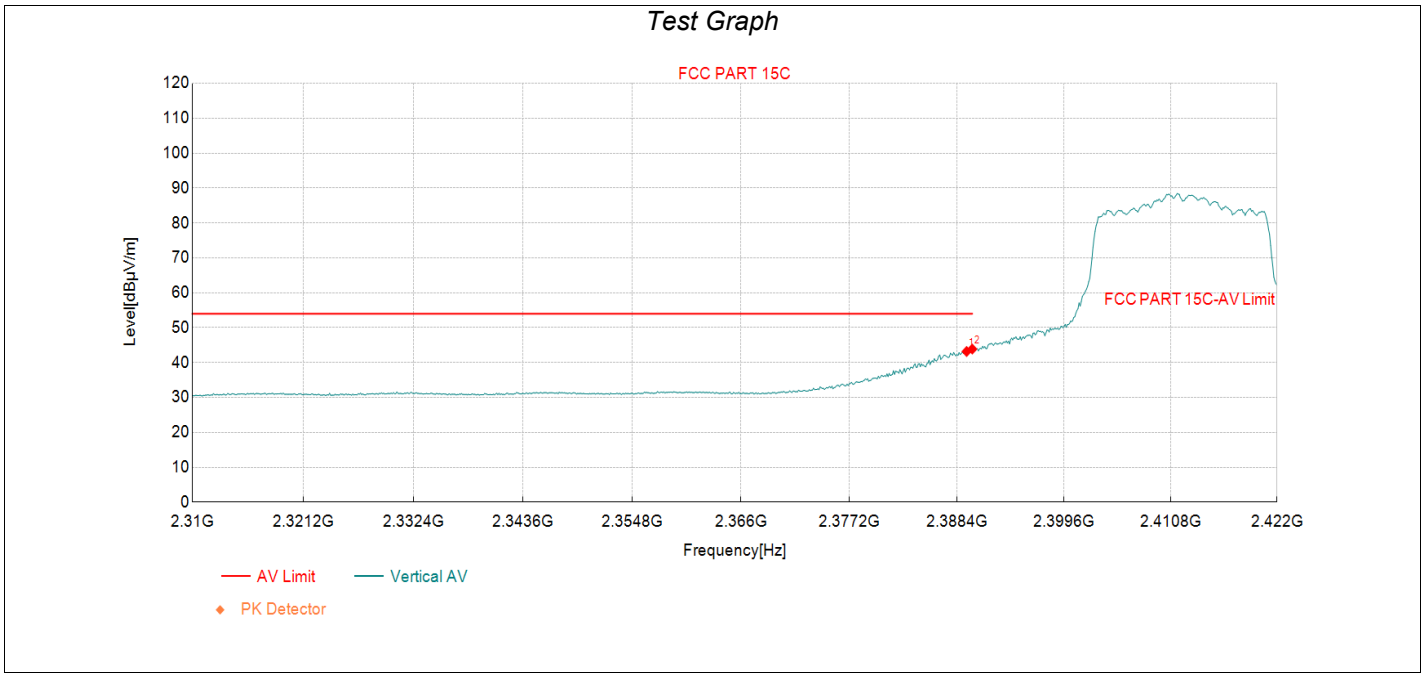
Transmit at 2412MHz by 802.11n(20MHz) with Ant2+3

Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2388.40	50.18	55.40	5.22	74.00	18.60	PK	Vertic	PASS
2	2390.00	48.41	53.64	5.23	74.00	20.36	PK	Vertic	PASS

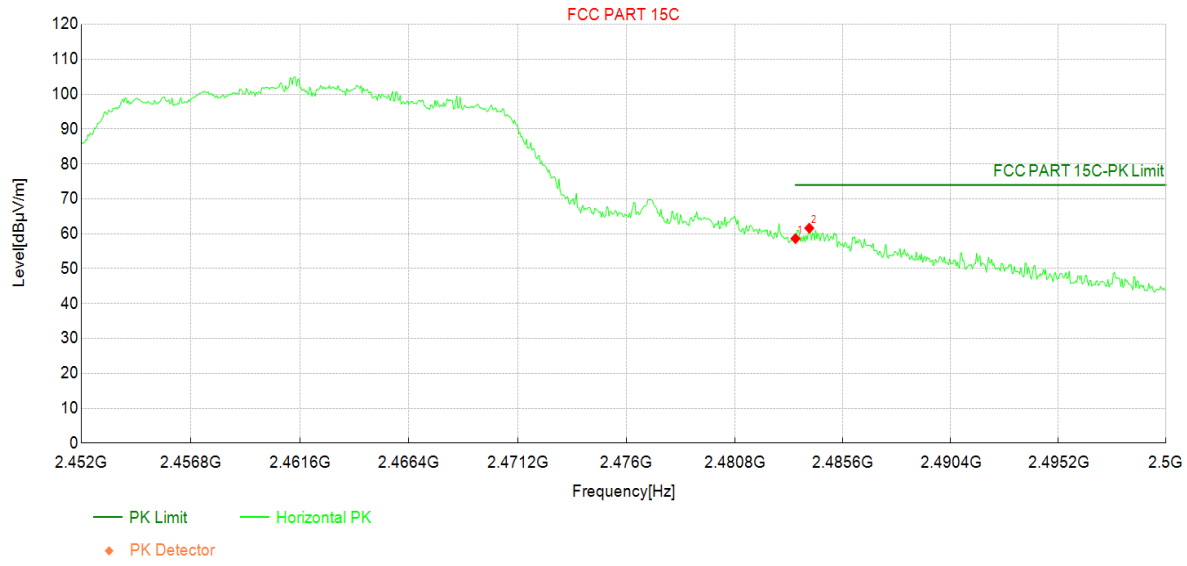
Transmit at 2412MHz by 802.11n(20MHz) with Ant2+3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2389.41	37.94	43.17	5.23	54.00	10.83	AV	Vertic	PASS
2	2390.00	38.64	43.87	5.23	54.00	10.13	AV	Vertic	PASS

Transmit at 2462MHz by 802.11n(20MHz) with Ant2+3

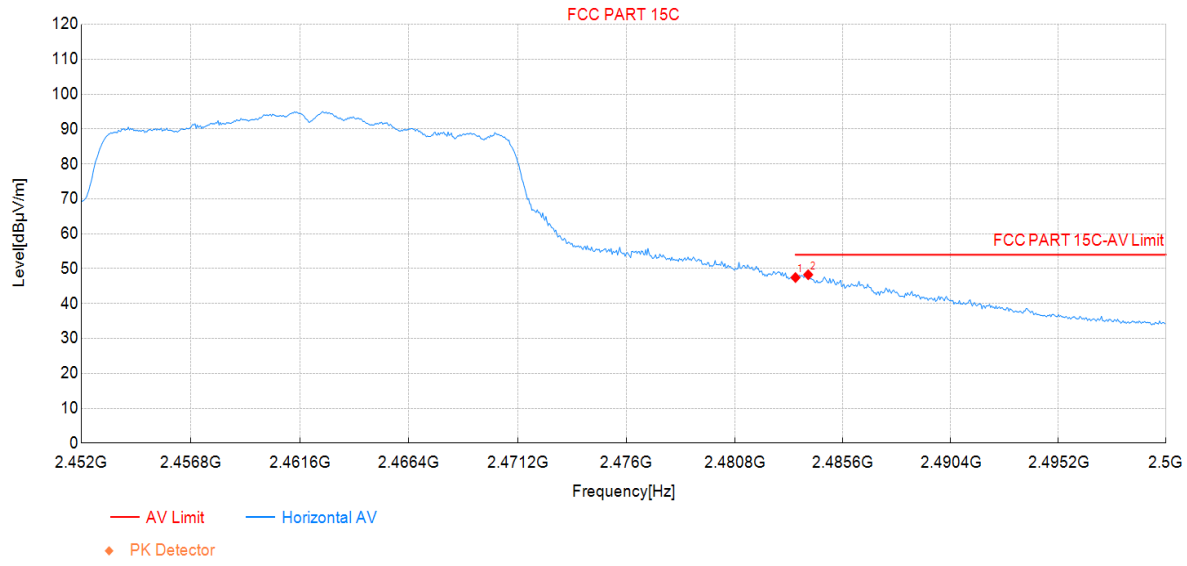
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	53.02	58.61	5.59	74.00	15.39	PK	Horizo	PASS
2	2484.11	56.00	61.60	5.60	74.00	12.40	PK	Horizo	PASS

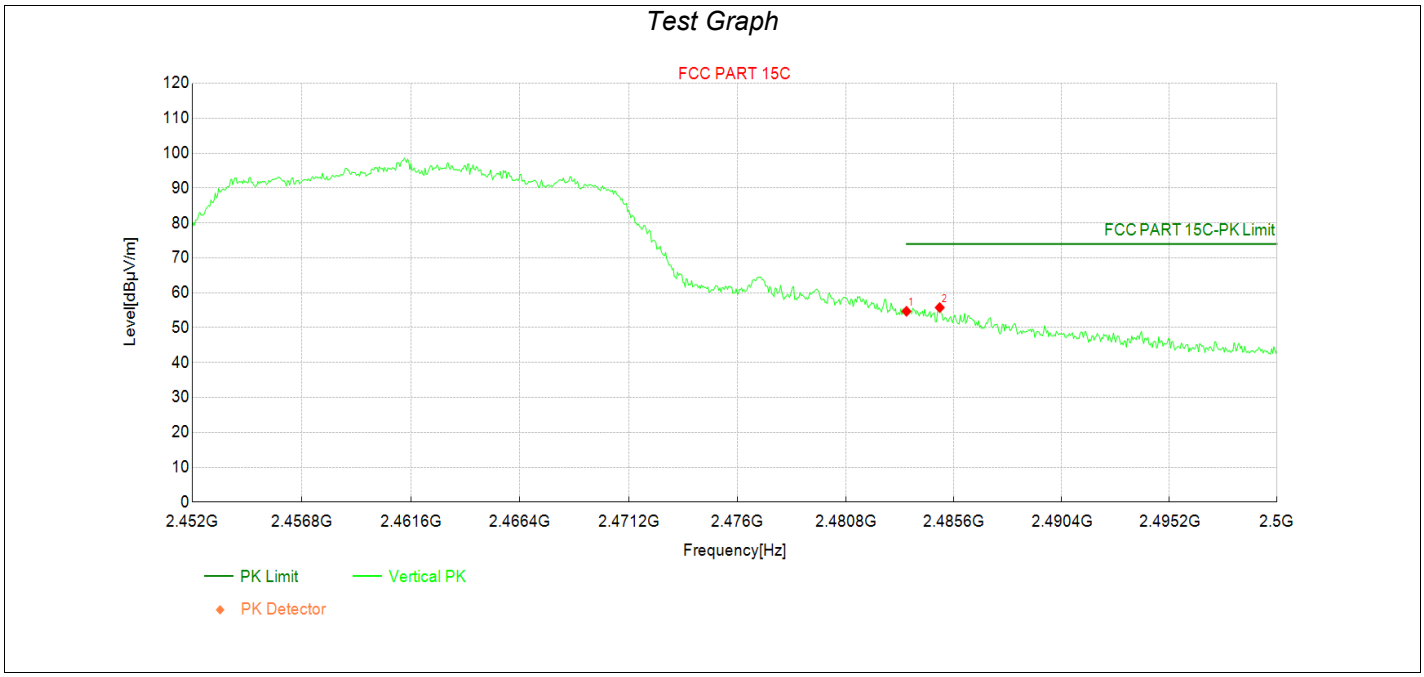
Transmit at 2462MHz by 802.11n(20MHz) with Ant2+3

Test Graph



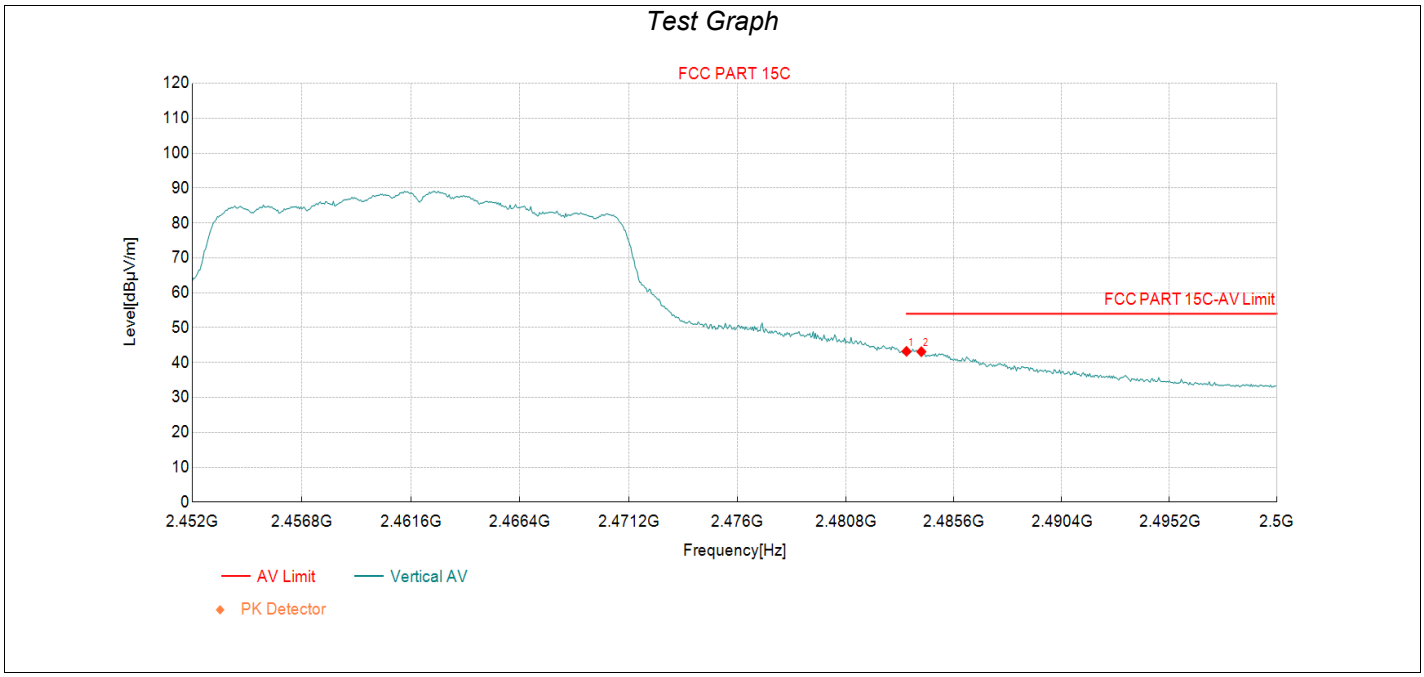
Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	41.86	47.45	5.59	54.00	6.55	AV	Horizo	PASS
2	2484.06	42.66	48.26	5.60	54.00	5.74	AV	Horizo	PASS

Transmit at 2462MHz by 802.11n(20MHz) with Ant2+3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	49.10	54.69	5.59	74.00	19.31	PK	Vertic	PASS
2	2484.98	50.14	55.75	5.61	74.00	18.25	PK	Vertic	PASS

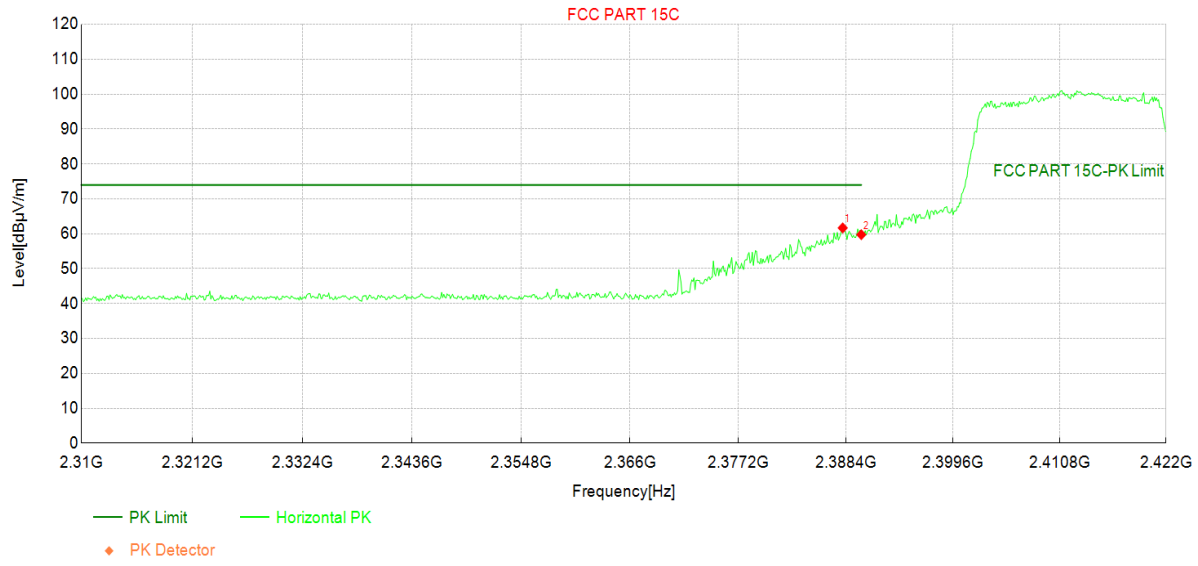
Transmit at 2462MHz by 802.11n(20MHz) with Ant2+3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	37.62	43.21	5.59	54.00	10.79	AV	Vertic	PASS
2	2484.16	37.51	43.11	5.60	54.00	10.89	AV	Vertic	PASS

Transmit at 2412MHz by 802.11ax(20MHz) with Ant2+3

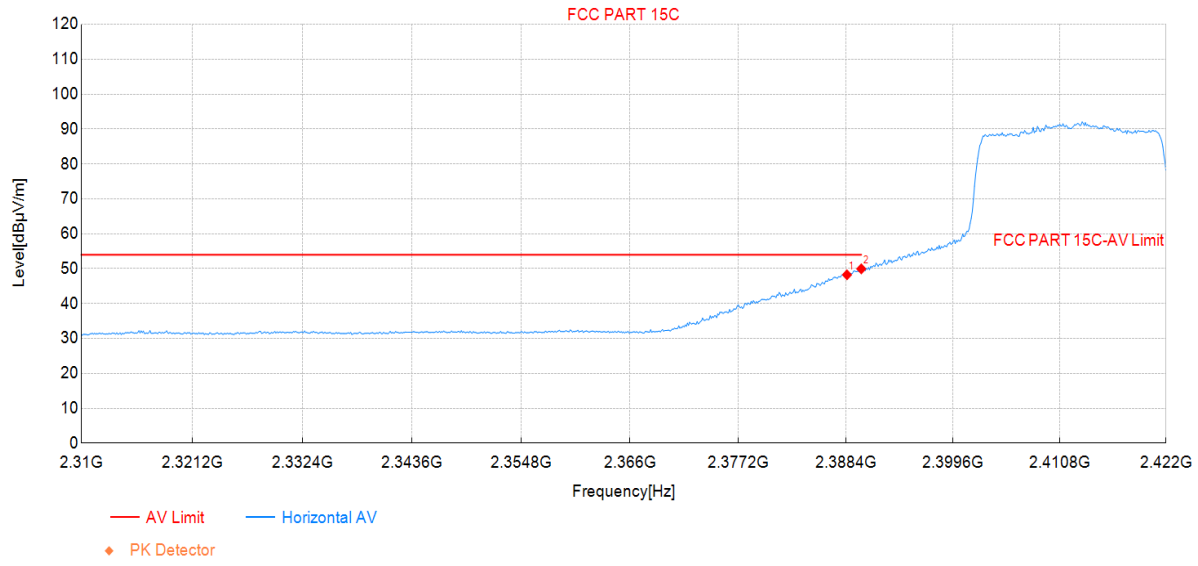
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2388.06	56.46	61.67	5.21	74.00	12.33	PK	Horizo	PASS
2	2390.00	54.51	59.74	5.23	74.00	14.26	PK	Horizo	PASS

Transmit at 2412MHz by 802.11ax(20MHz) with Ant2+3

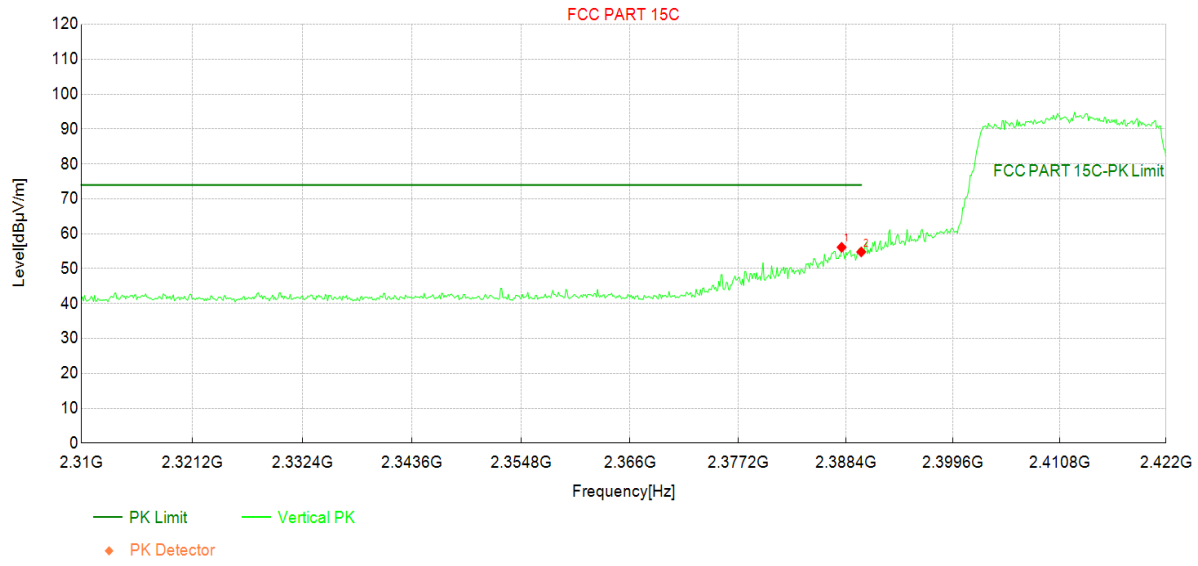
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2388.51	43.02	48.24	5.22	54.00	5.76	AV	Horizo	PASS
2	2390.00	44.71	49.94	5.23	54.00	4.06	AV	Horizo	PASS

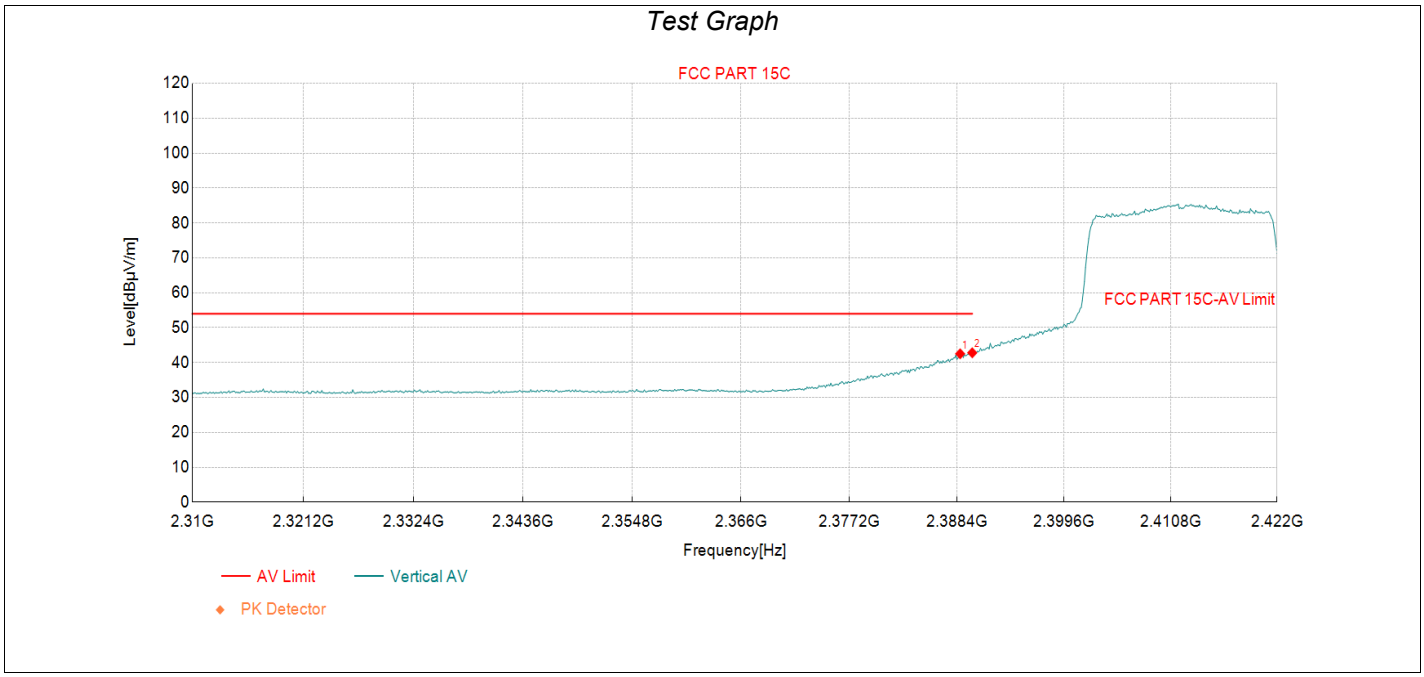
Transmit at 2412MHz by 802.11ax(20MHz) with Ant2+3

Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2387.95	50.91	56.12	5.21	74.00	17.88	PK	Vertic	PASS
2	2390.00	49.57	54.80	5.23	74.00	19.20	PK	Vertic	PASS

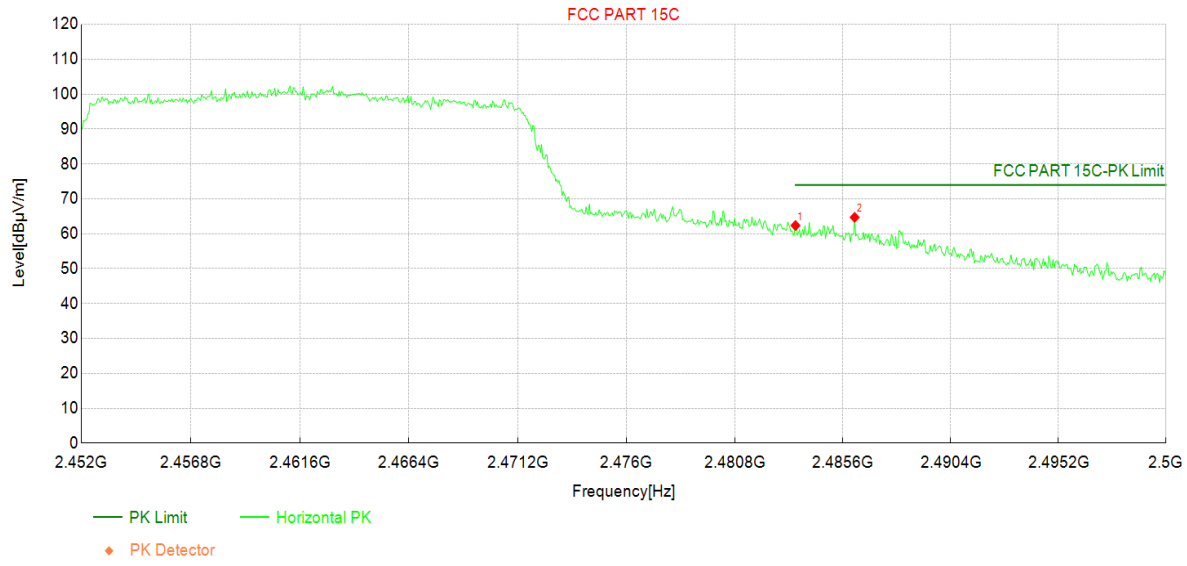
Transmit at 2412MHz by 802.11ax(20MHz) with Ant2+3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2388.74	37.29	42.51	5.22	54.00	11.49	AV	Vertic	PASS
2	2390.00	37.57	42.80	5.23	54.00	11.20	AV	Vertic	PASS

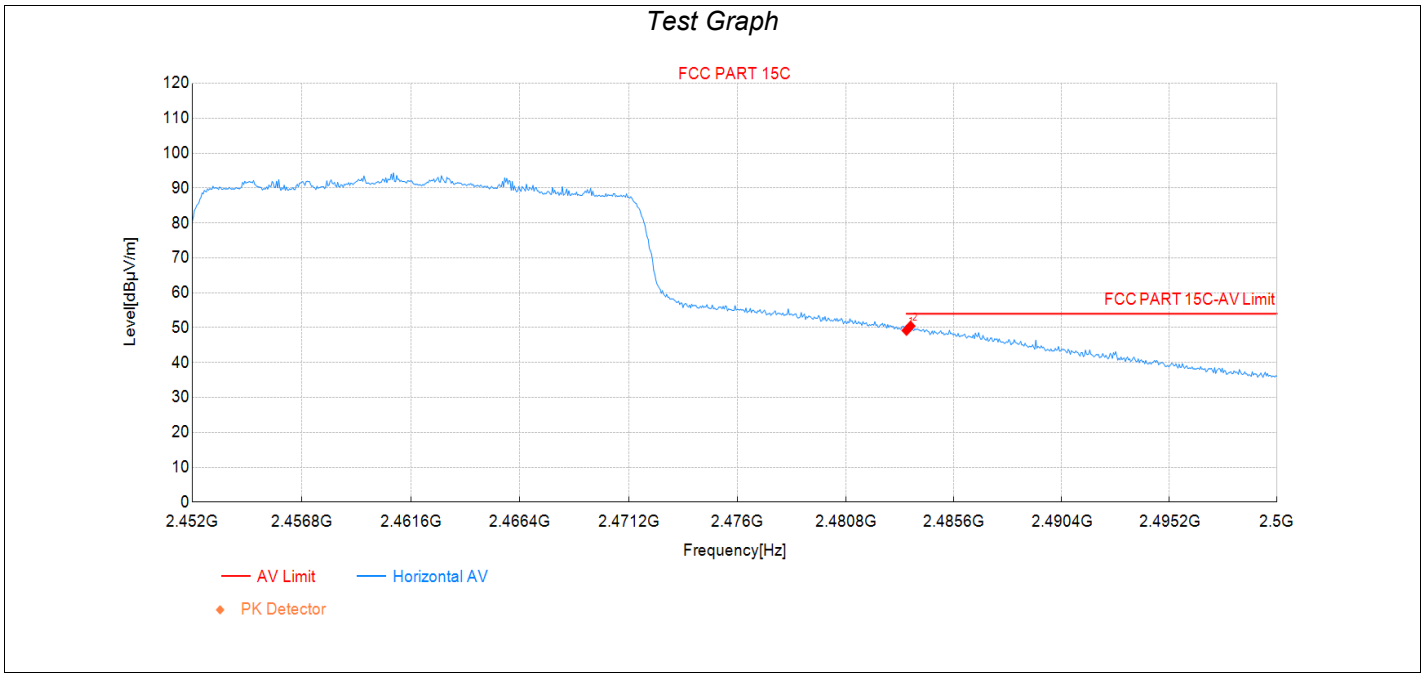
Transmit at 2462MHz by 802.11ax(20MHz) with Ant2+3

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	56.77	62.36	5.59	74.00	11.64	PK	Horizo	PASS
2	2486.13	59.09	64.70	5.61	74.00	9.30	PK	Horizo	PASS

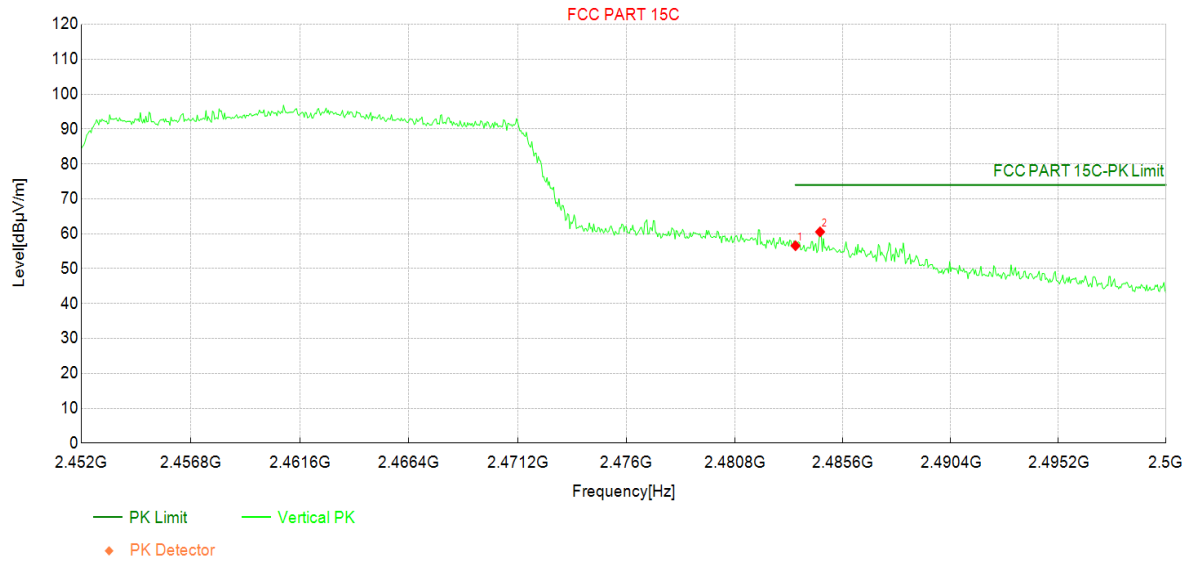
Transmit at 2462MHz by 802.11ax(20MHz) with Ant2+3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	43.60	49.19	5.59	54.00	4.81	AV	Horizo	PASS
2	2483.68	44.88	50.47	5.59	54.00	3.53	AV	Horizo	PASS

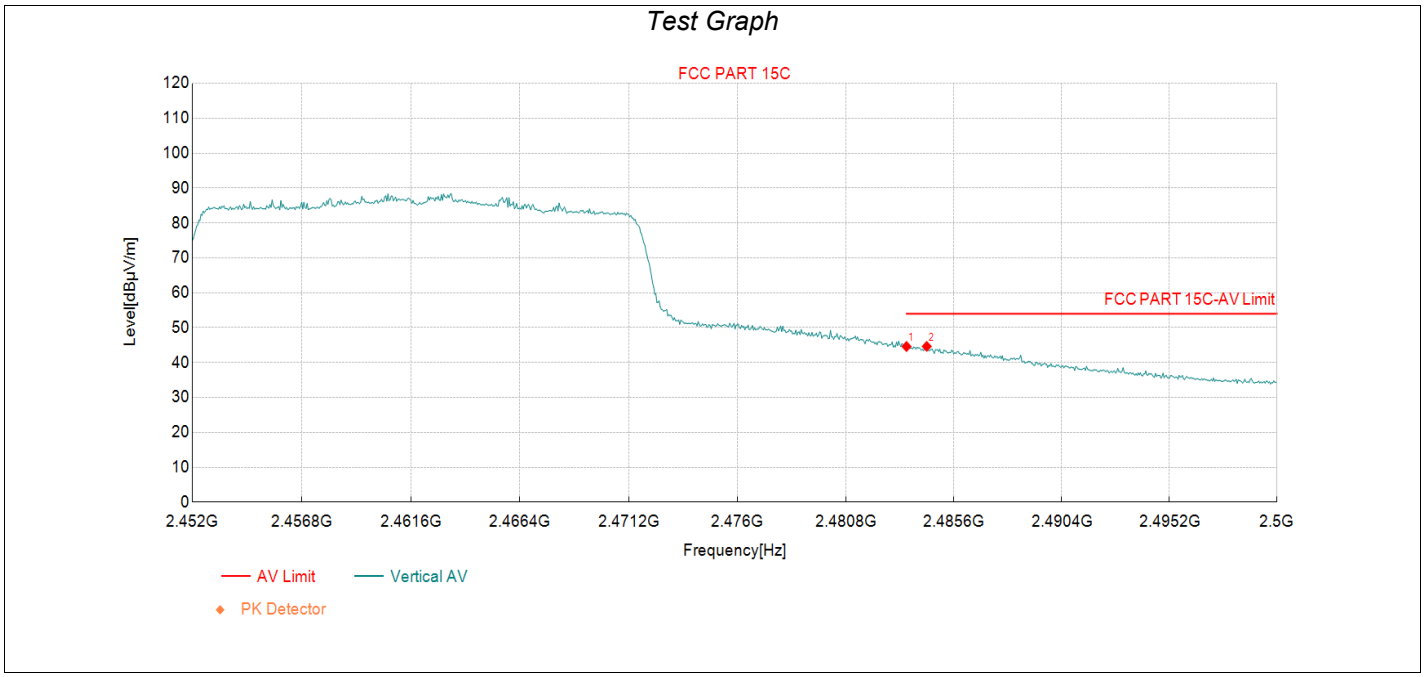
Transmit at 2462MHz by 802.11ax(20MHz) with Ant2+3

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	50.98	56.57	5.59	74.00	17.43	PK	Vertic	PASS
2	2484.59	54.93	60.54	5.61	74.00	13.46	PK	Vertic	PASS

Transmit at 2462MHz by 802.11ax(20MHz) with Ant2+3



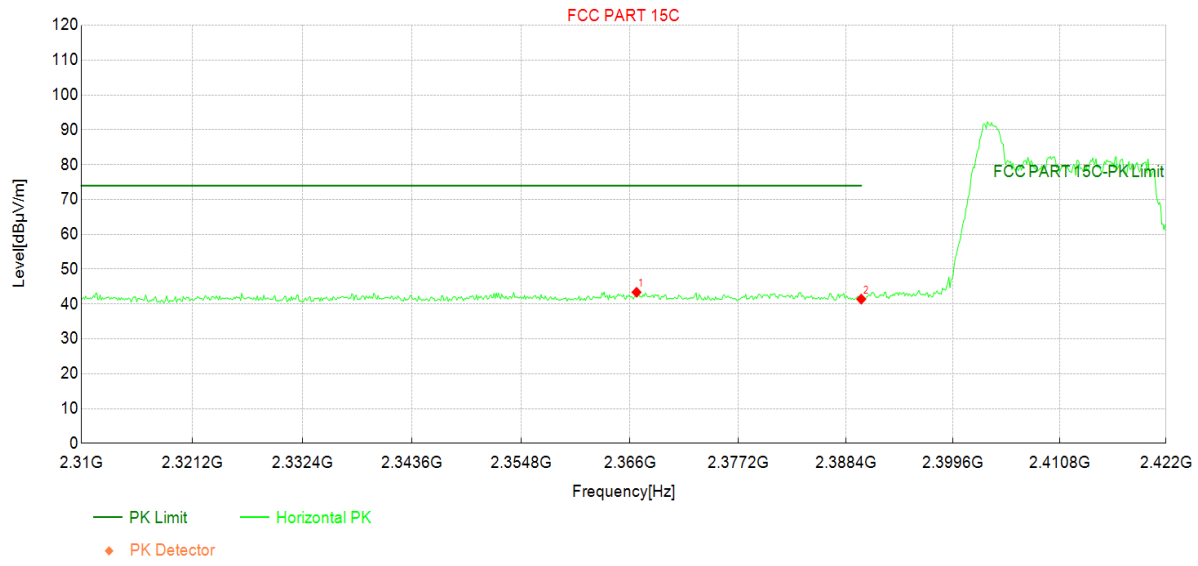
Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	39.01	44.60	5.59	54.00	9.40	AV	Vertic	PASS
2	2484.40	39.03	44.64	5.61	54.00	9.36	AV	Vertic	PASS

Note:
1.Level=Reading+Factor
2. Margin=Limit-Level

<Partial RU>:

Transmit at 2412MHz by 802.11ax(20MHz) with RU26-0 Ant2+3

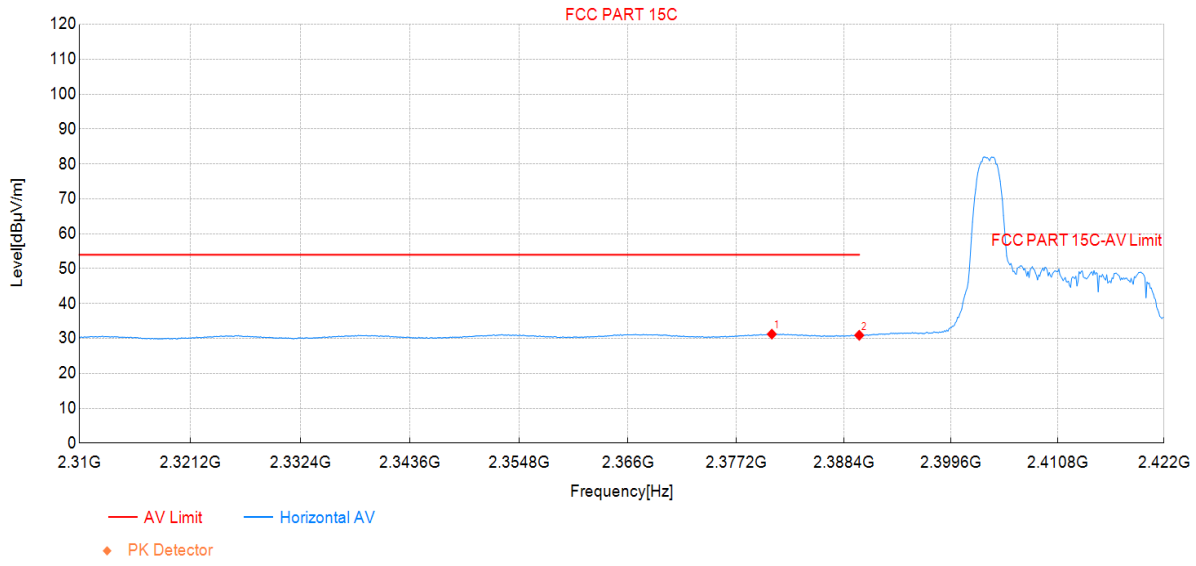
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2366.67	38.29	43.37	5.08	74.00	30.63	PK	Horizo	PASS
2	2390.00	36.18	41.41	5.23	74.00	32.59	PK	Horizo	PASS

Transmit at 2412MHz by 802.11ax(20MHz) with RU26-0 Ant2+3

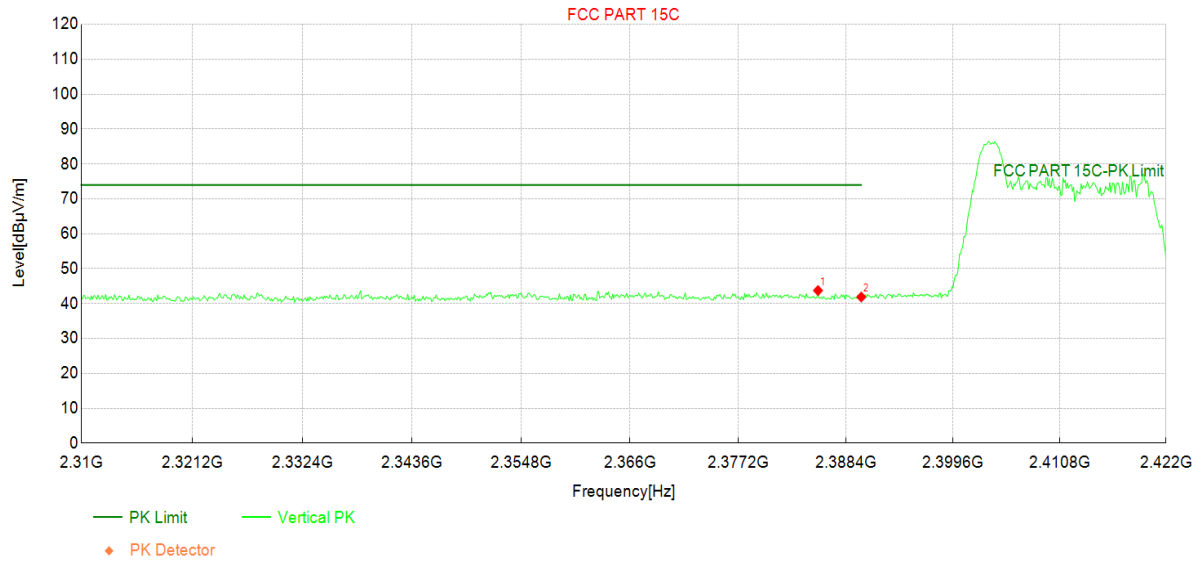
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2380.90	26.07	31.24	5.17	54.00	22.76	AV	Horizo	PASS
2	2390.00	25.68	30.91	5.23	54.00	23.09	AV	Horizo	PASS

Transmit at 2412MHz by 802.11ax(20MHz) with RU26-0 Ant2+3

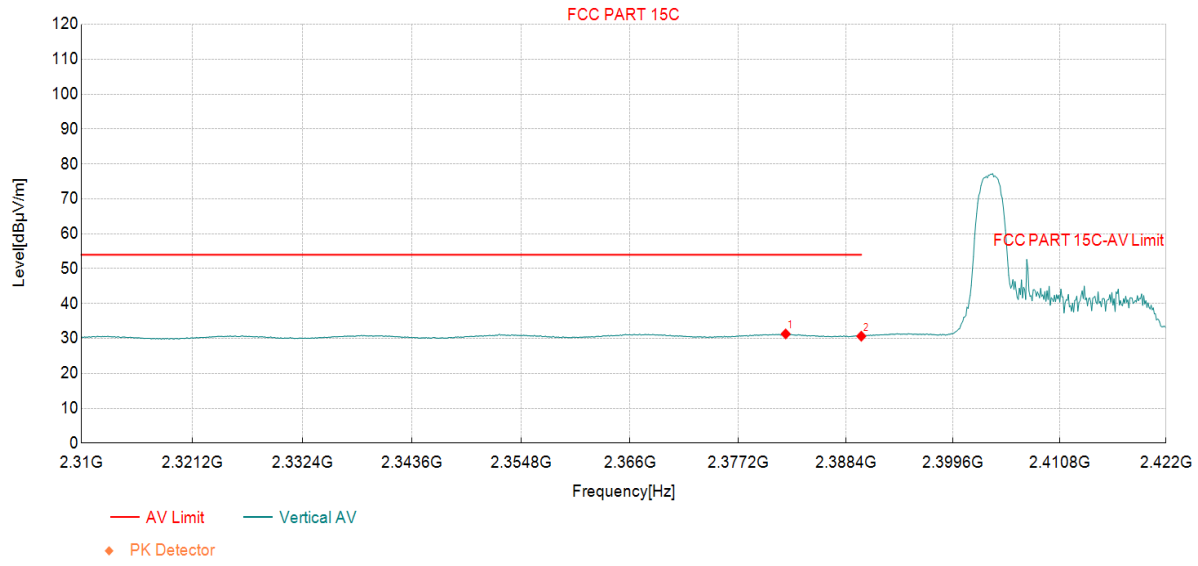
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2385.49	38.53	43.73	5.20	74.00	30.27	PK	Vertic	PASS
2	2390.00	36.65	41.88	5.23	74.00	32.12	PK	Vertic	PASS

Transmit at 2412MHz by 802.11ax(20MHz) with RU26-0 Ant2+3

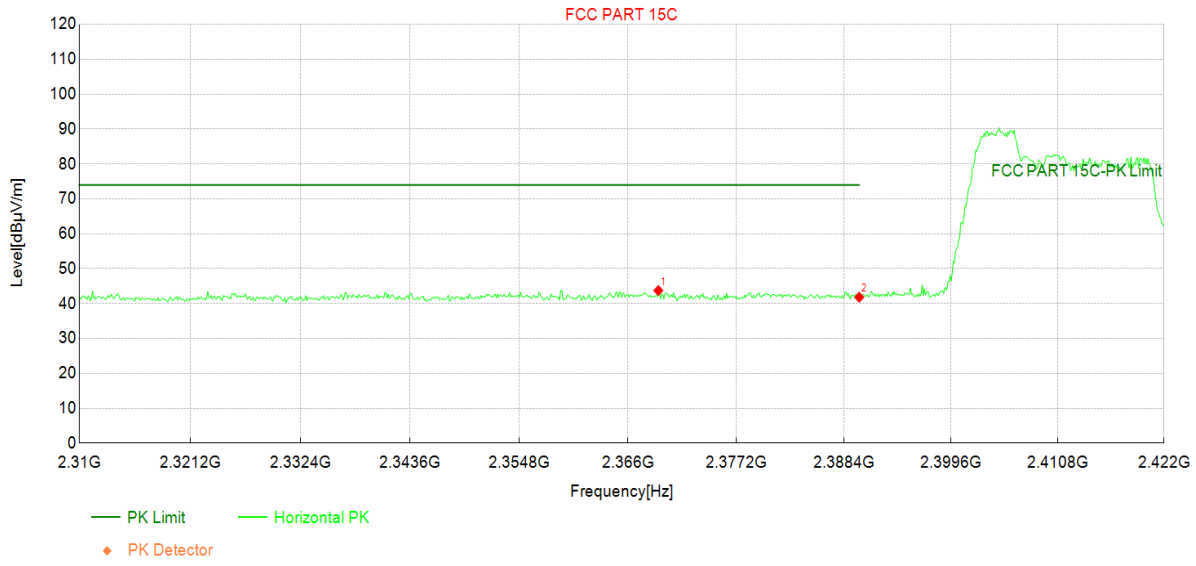
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2382.13	26.12	31.30	5.18	54.00	22.70	AV	Vertic	PASS
2	2390.00	25.42	30.65	5.23	54.00	23.35	AV	Vertic	PASS

Transmit at 2412MHz by 802.11ax(20MHz) with RU52-37 Ant2+3

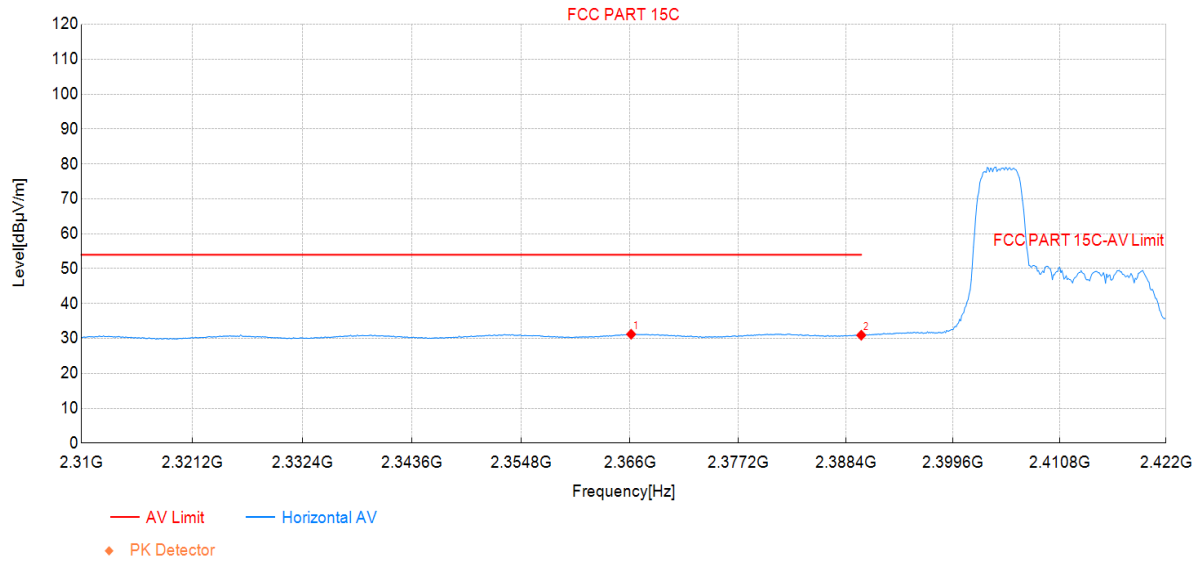
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2369.14	38.62	43.72	5.10	74.00	30.28	PK	Horizo	PASS
2	2390.00	36.59	41.82	5.23	74.00	32.18	PK	Horizo	PASS

Transmit at 2412MHz by 802.11ax(20MHz) with RU52-37 Ant2+3

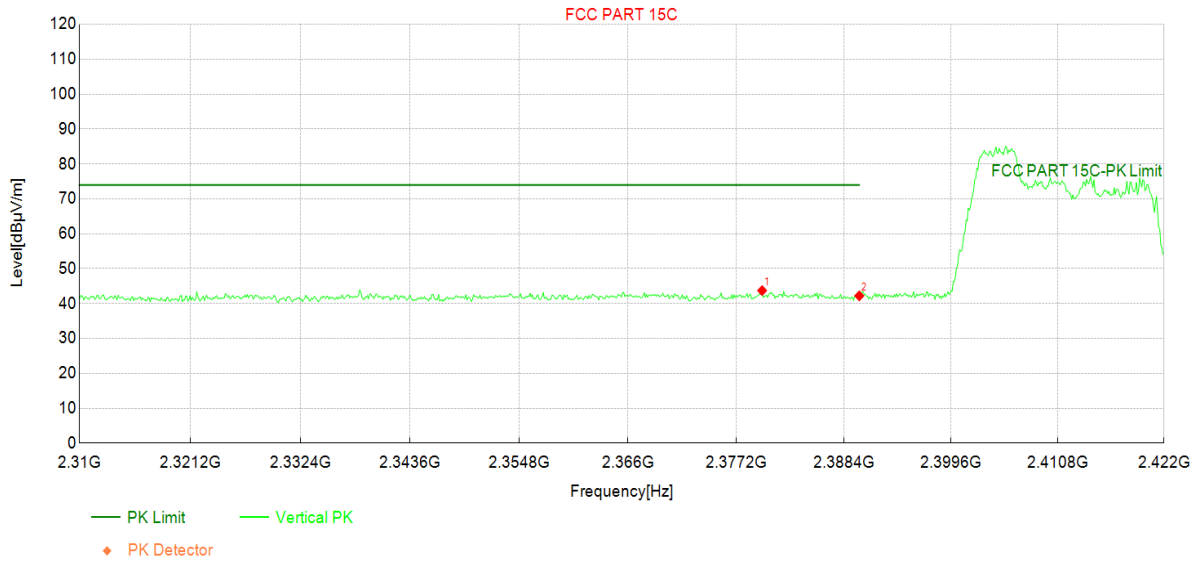
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2366.11	26.13	31.21	5.08	54.00	22.79	AV	Horizo	PASS
2	2390.00	25.71	30.94	5.23	54.00	23.06	AV	Horizo	PASS

Transmit at 2412MHz by 802.11ax(20MHz) with RU52-37 Ant2+3

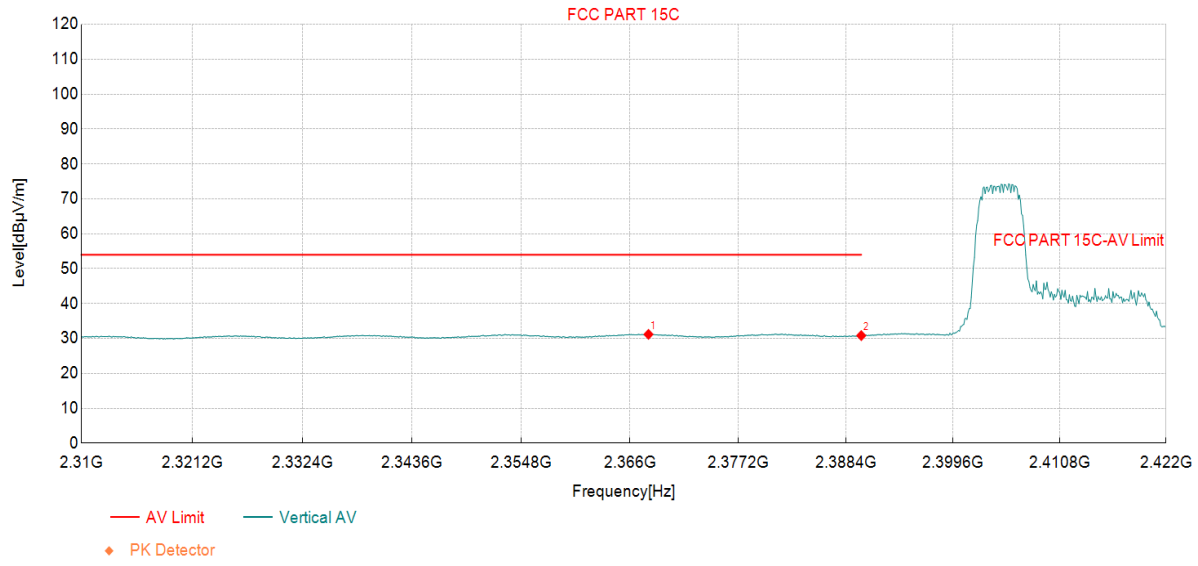
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2379.89	38.56	43.72	5.16	74.00	30.28	PK	Vertic	PASS
2	2390.00	36.99	42.22	5.23	74.00	31.78	PK	Vertic	PASS

Transmit at 2412MHz by 802.11ax(20MHz) with RU52-37 Ant2+3

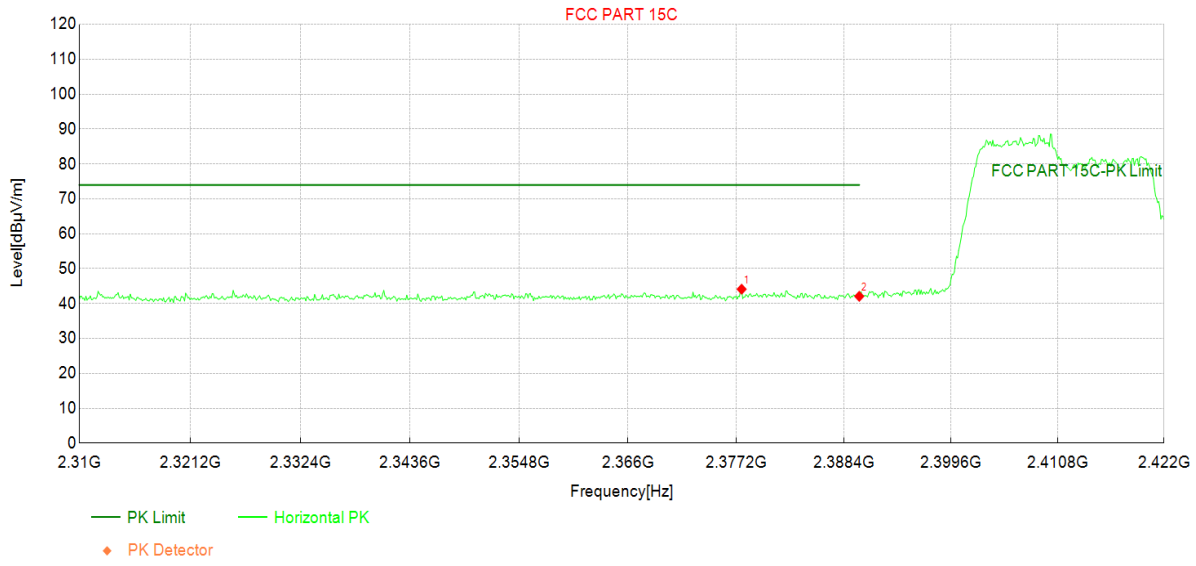
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2367.90	26.10	31.18	5.08	54.00	22.82	AV	Vertic	PASS
2	2390.00	25.59	30.82	5.23	54.00	23.18	AV	Vertic	PASS

Transmit at 2412MHz by 802.11ax(20MHz) with RU106-53 Ant2+3

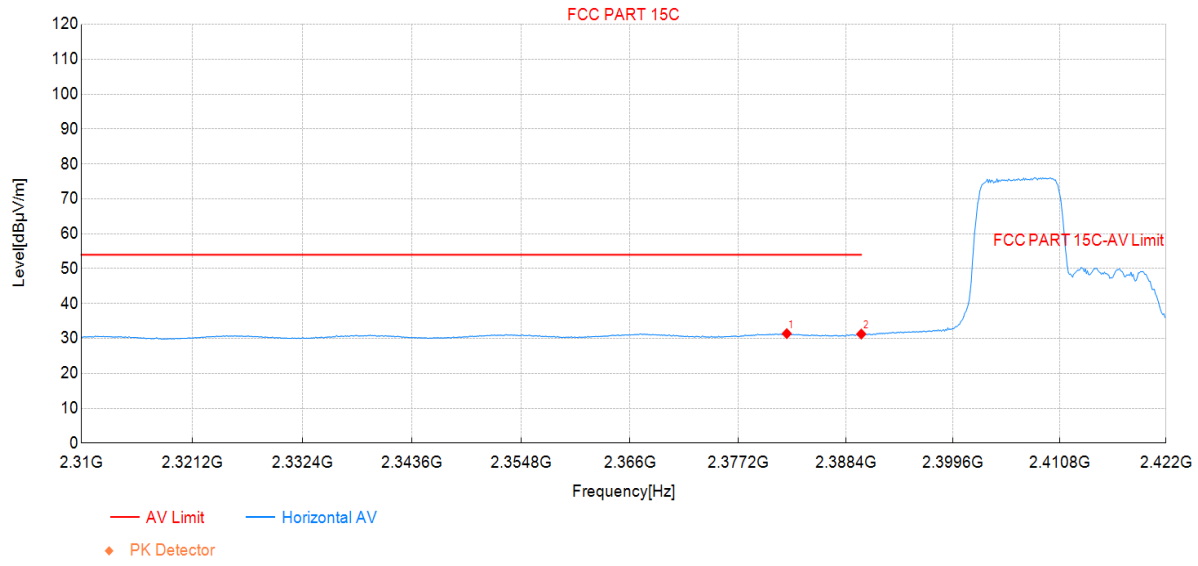
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2377.76	38.97	44.12	5.15	74.00	29.88	PK	Horizo	PASS
2	2390.00	36.84	42.07	5.23	74.00	31.93	PK	Horizo	PASS

Transmit at 2412MHz by 802.11ax(20MHz) with RU106-53 Ant2+3

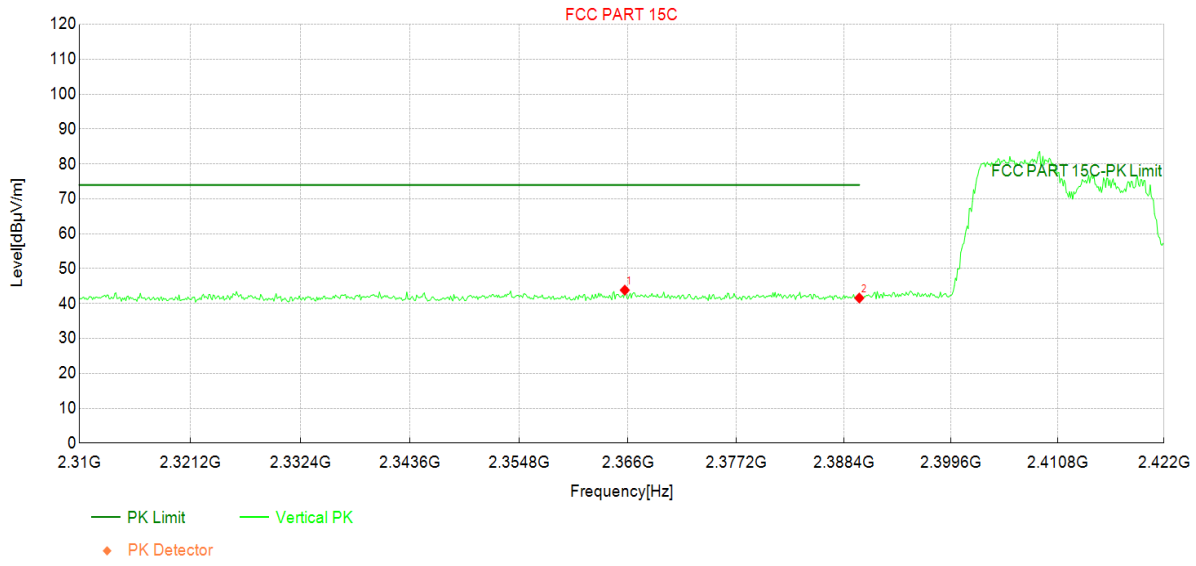
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2382.24	26.20	31.38	5.18	54.00	22.62	AV	Horizo	PASS
2	2390.00	26.05	31.28	5.23	54.00	22.72	AV	Horizo	PASS

Transmit at 2412MHz by 802.11ax(20MHz) with RU106-53 Ant2+3

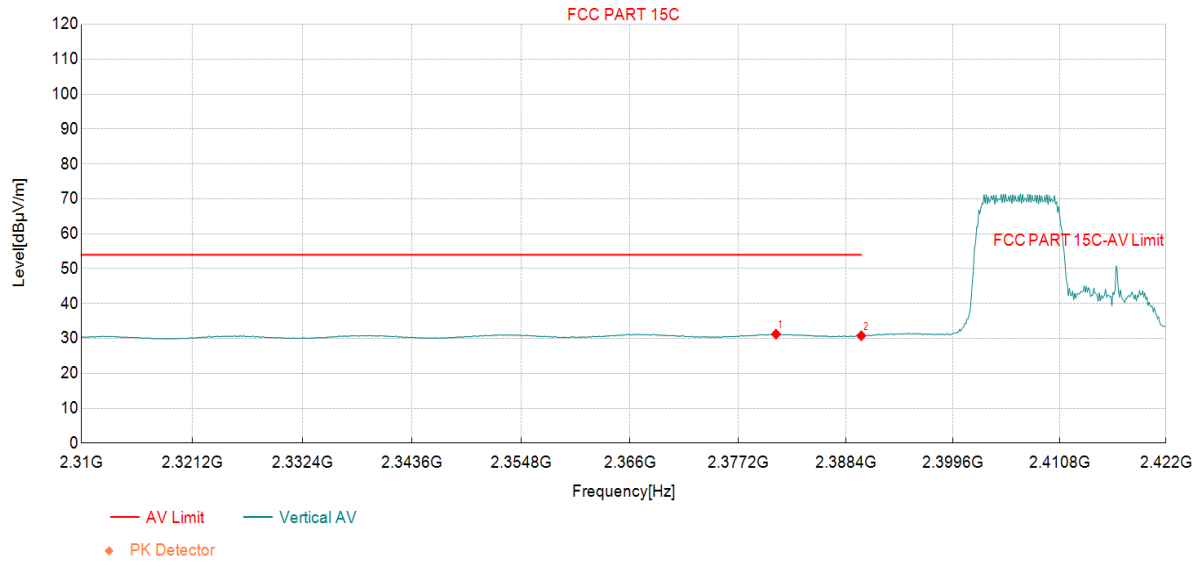
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2365.66	38.76	43.84	5.08	74.00	30.16	PK	Vertic	PASS
2	2390.00	36.35	41.58	5.23	74.00	32.42	PK	Vertic	PASS

Transmit at 2412MHz by 802.11ax(20MHz) with RU106-53 Ant2+3

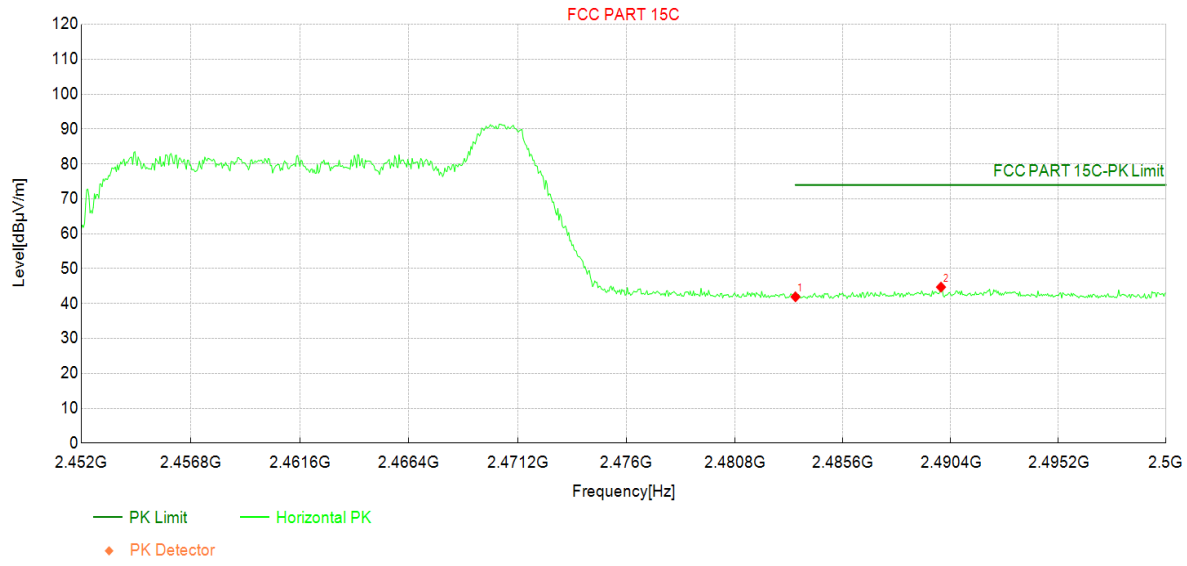
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2381.12	26.07	31.24	5.17	54.00	22.76	AV	Vertic	PASS
2	2390.00	25.55	30.78	5.23	54.00	23.22	AV	Vertic	PASS

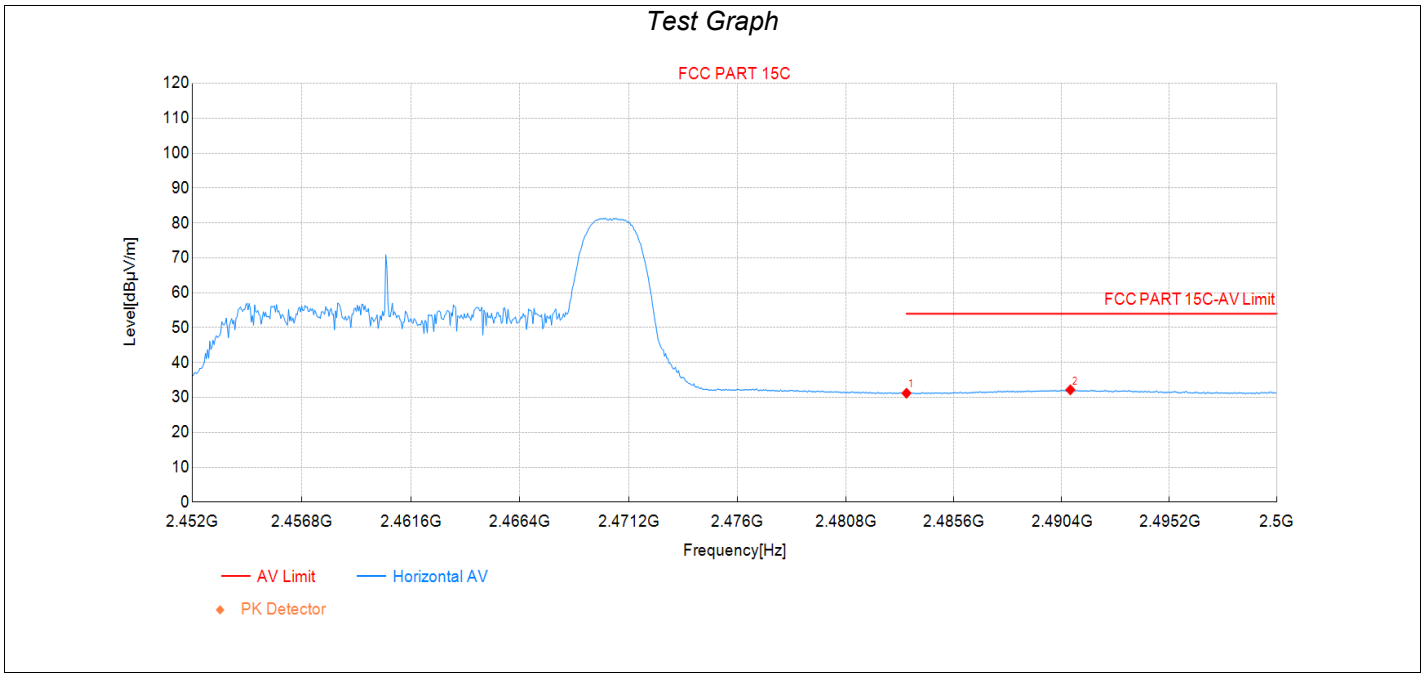
Transmit at 2462MHz by 802.11ax(20MHz) with RU26-8 Ant2+3

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	36.33	41.92	5.59	74.00	32.08	PK	Horizo	PASS
2	2489.97	39.09	44.71	5.62	74.00	29.29	PK	Horizo	PASS

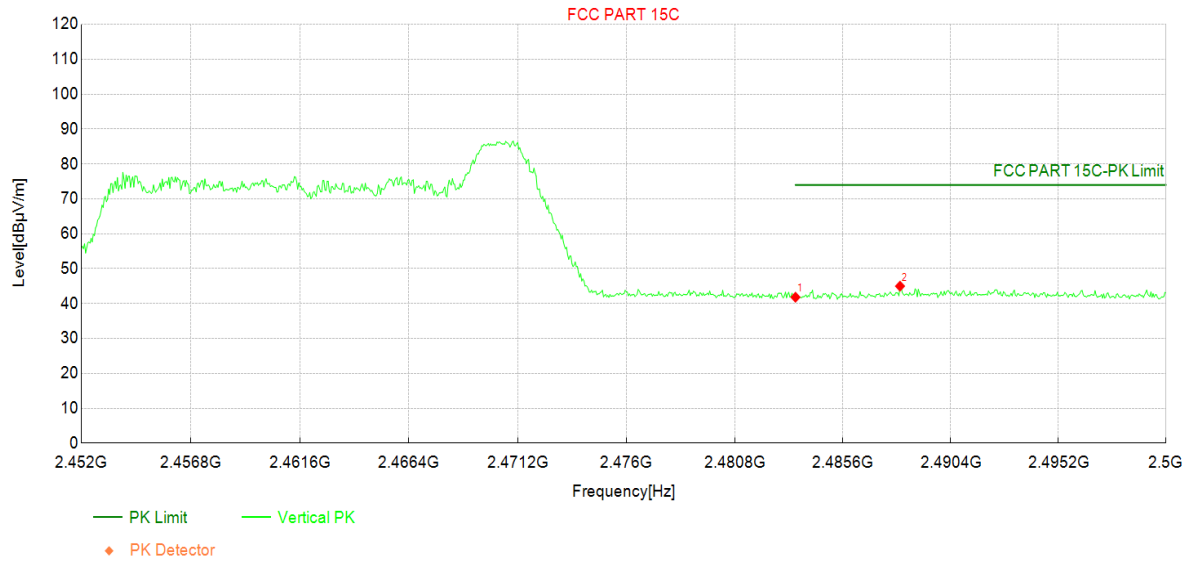
Transmit at 2462MHz by 802.11ax(20MHz) with RU26-8 Ant2+3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	25.63	31.22	5.59	54.00	22.78	AV	Horizo	PASS
2	2490.78	26.55	32.18	5.63	54.00	21.82	AV	Horizo	PASS

Transmit at 2462MHz by 802.11ax(20MHz) with RU26-8 Ant2+3

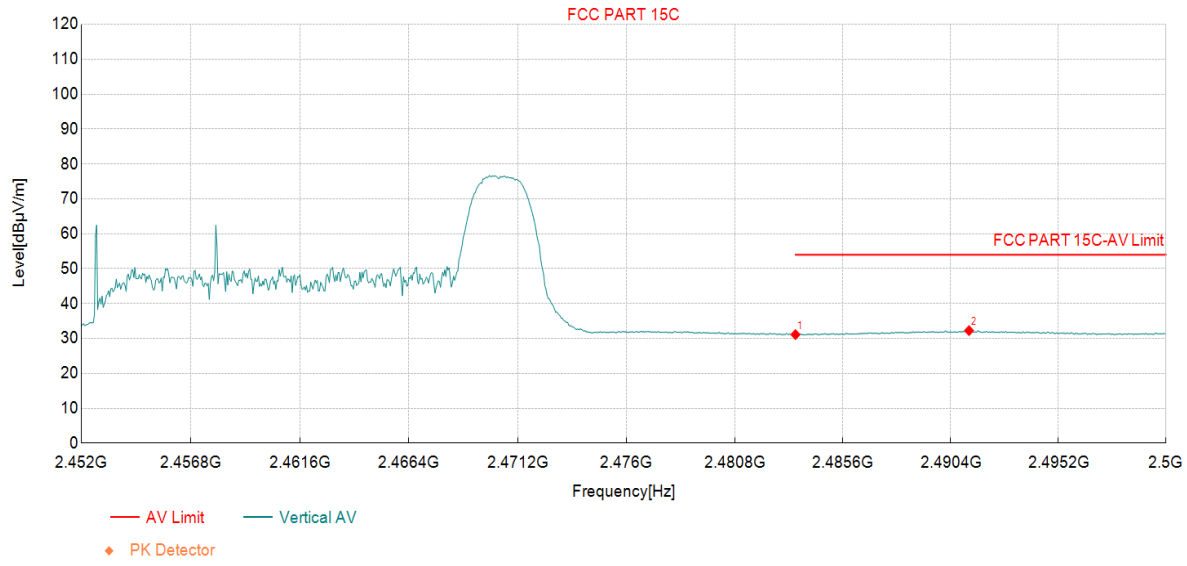
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	36.22	41.81	5.59	74.00	32.19	PK	Vertic	PASS
2	2488.14	39.38	44.99	5.61	74.00	29.01	PK	Vertic	PASS

Transmit at 2462MHz by 802.11ax(20MHz) with RU26-8 Ant2+3

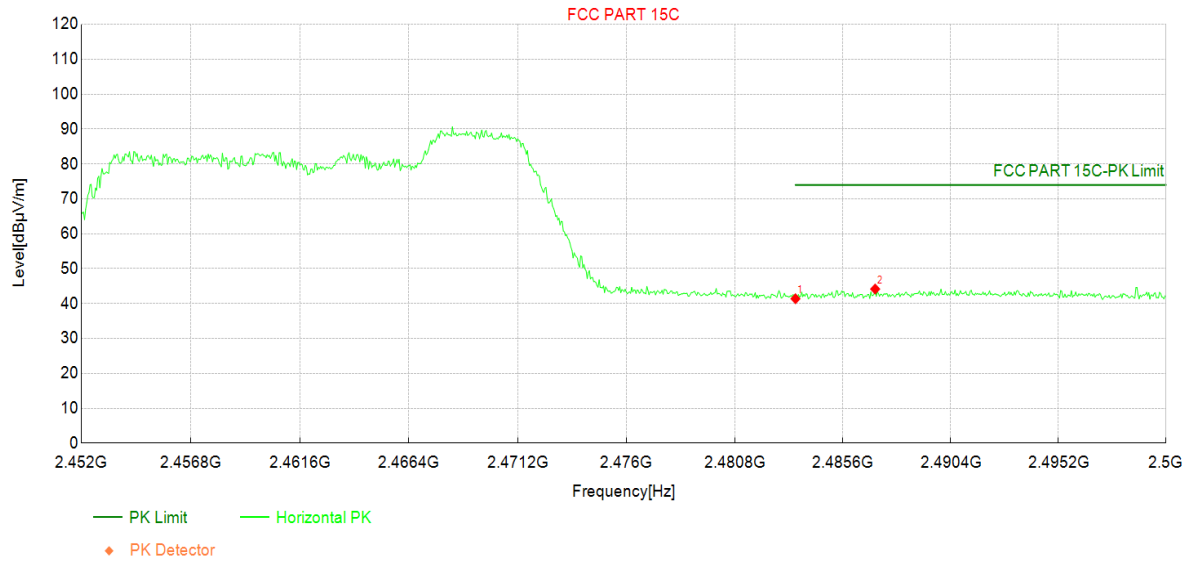
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	25.52	31.11	5.59	54.00	22.89	AV	Vertic	PASS
2	2491.22	26.62	32.25	5.63	54.00	21.75	AV	Vertic	PASS

Transmit at 2462MHz by 802.11ax(20MHz) with RU52-40 Ant2+3

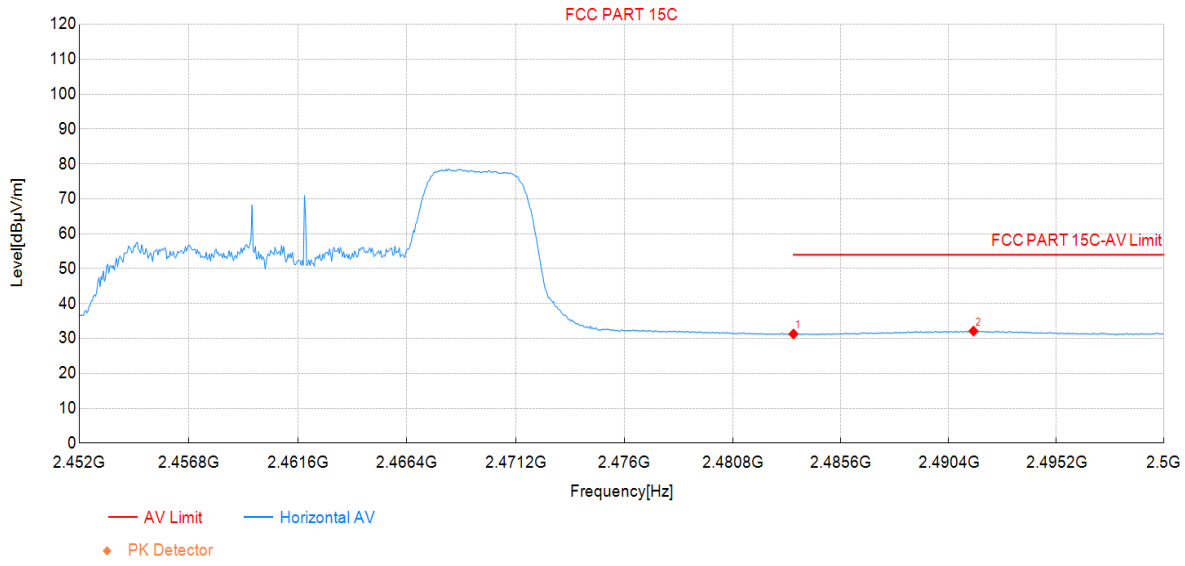
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	35.80	41.39	5.59	74.00	32.61	PK	Horizo	PASS
2	2487.04	38.55	44.16	5.61	74.00	29.84	PK	Horizo	PASS

Transmit at 2462MHz by 802.11ax(20MHz) with RU52-40 Ant2+3

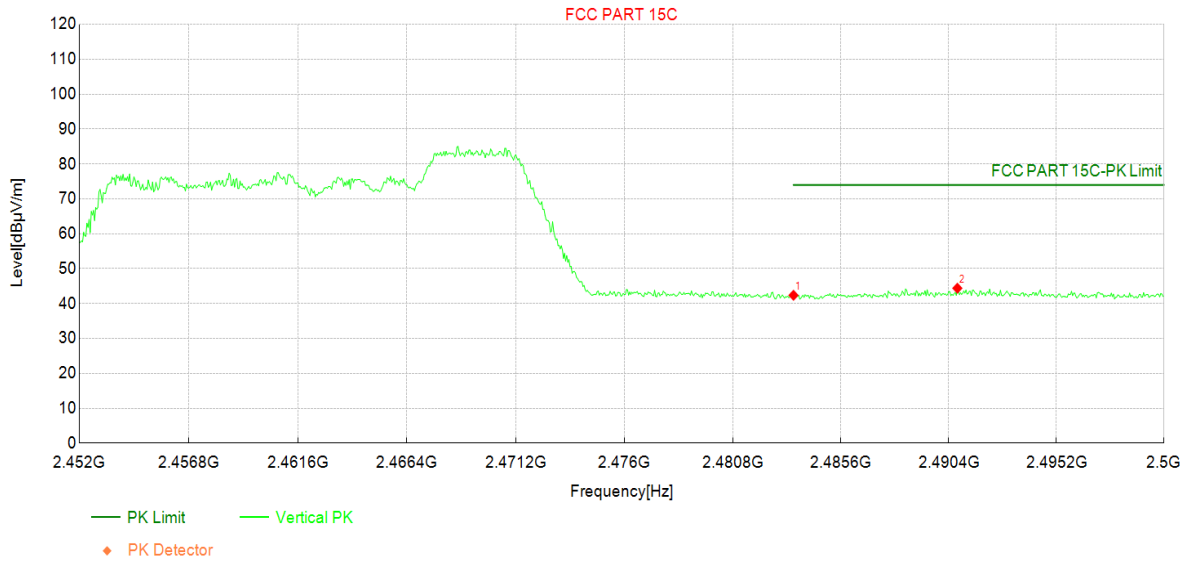
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	25.69	31.28	5.59	54.00	22.72	AV	Horizo	PASS
2	2491.50	26.48	32.11	5.63	54.00	21.89	AV	Horizo	PASS

Transmit at 2462MHz by 802.11ax(20MHz) with RU52-40 Ant2+3

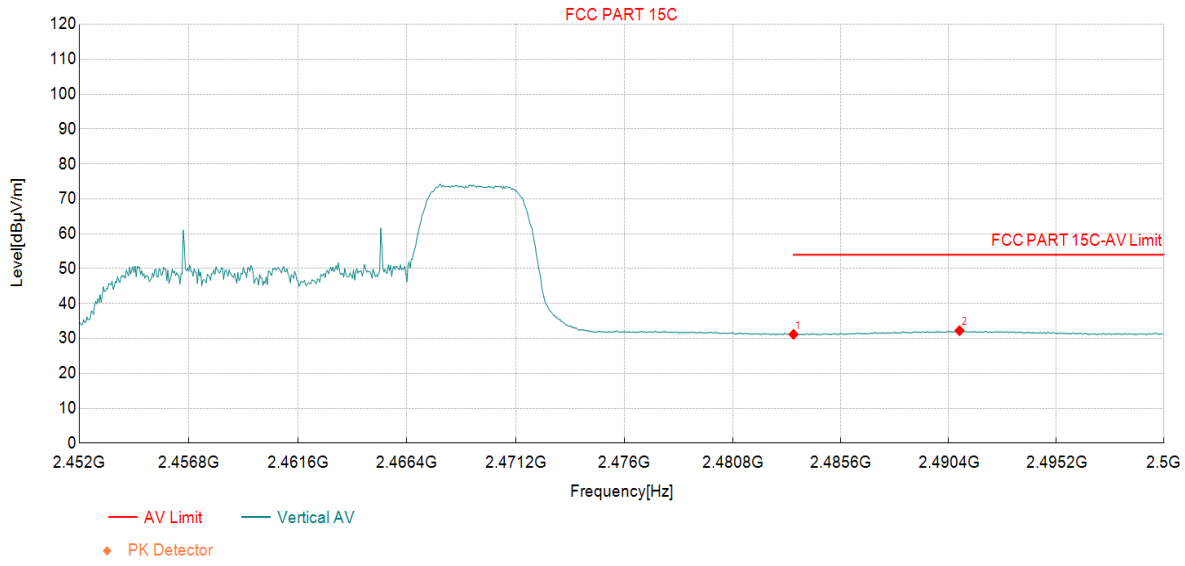
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	36.78	42.37	5.59	74.00	31.63	PK	Vertic	PASS
2	2490.78	38.76	44.39	5.63	74.00	29.61	PK	Vertic	PASS

Transmit at 2462MHz by 802.11ax(20MHz) with RU52-40 Ant2+3

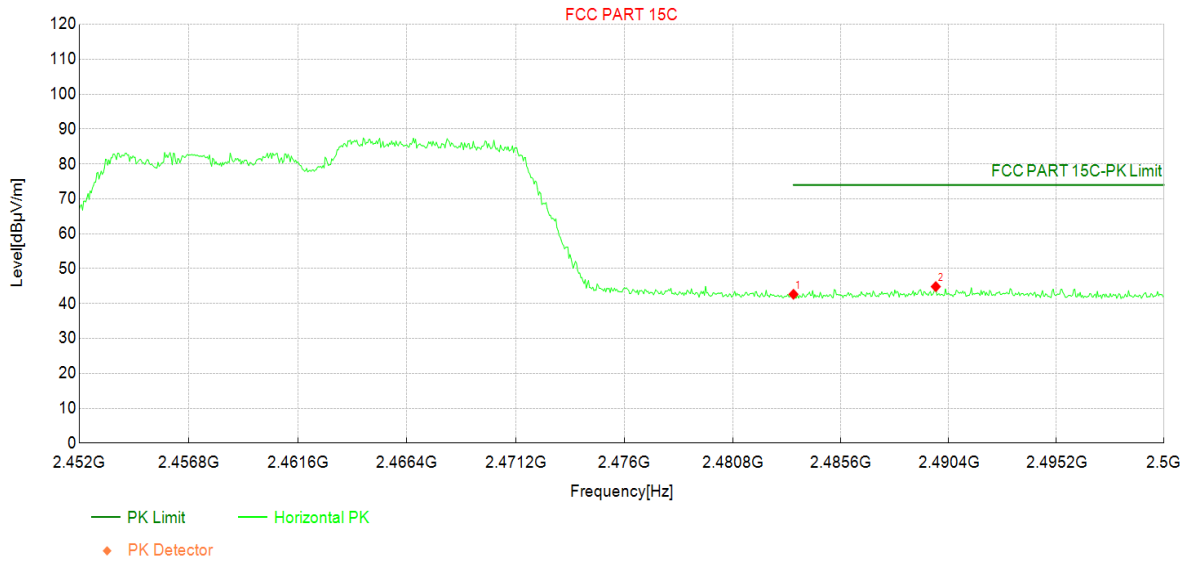
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	25.59	31.18	5.59	54.00	22.82	AV	Vertic	PASS
2	2490.88	26.60	32.23	5.63	54.00	21.77	AV	Vertic	PASS

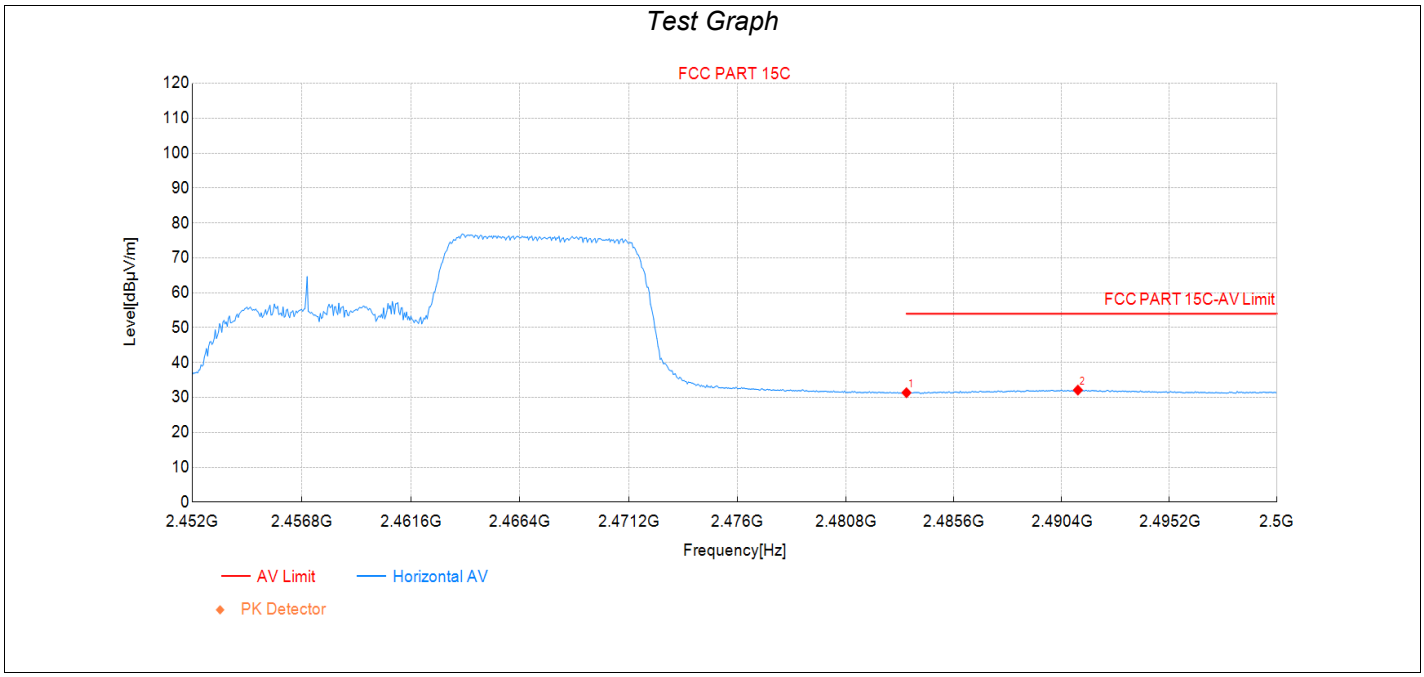
Transmit at 2462MHz by 802.11ax(20MHz) with RU106-54 Ant2+3

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	37.07	42.66	5.59	74.00	31.34	PK	Horizo	PASS
2	2489.82	39.24	44.86	5.62	74.00	29.14	PK	Horizo	PASS

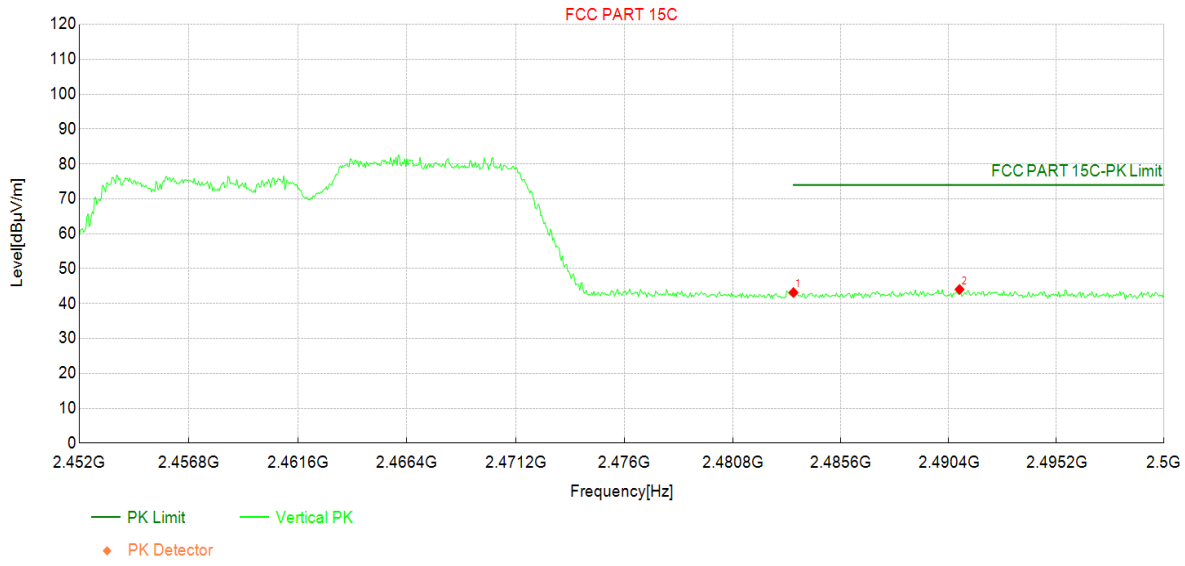
Transmit at 2462MHz by 802.11ax(20MHz) with RU106-54 Ant2+3



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	25.77	31.36	5.59	54.00	22.64	AV	Horizo	PASS
2	2491.12	26.48	32.11	5.63	54.00	21.89	AV	Horizo	PASS

Transmit at 2462MHz by 802.11ax(20MHz) with RU106-54 Ant2+3

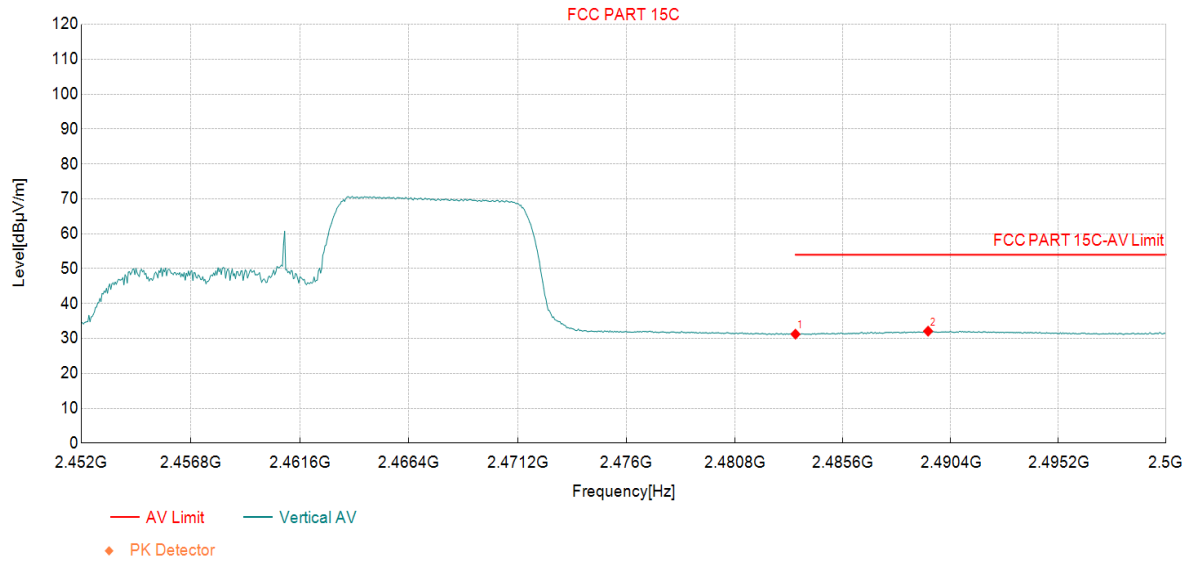
Test Graph



Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	37.56	43.15	5.59	74.00	30.85	PK	Vertic	PASS
2	2490.88	38.41	44.04	5.63	74.00	29.96	PK	Vertic	PASS

Transmit at 2462MHz by 802.11ax(20MHz) with RU106-54 Ant2+3

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	25.64	31.23	5.59	54.00	22.77	AV	Vertic	PASS
2	2489.39	26.47	32.09	5.62	54.00	21.91	AV	Vertic	PASS

Note:
1.Level=Reading+Factor
2. Margin=Limit-Level

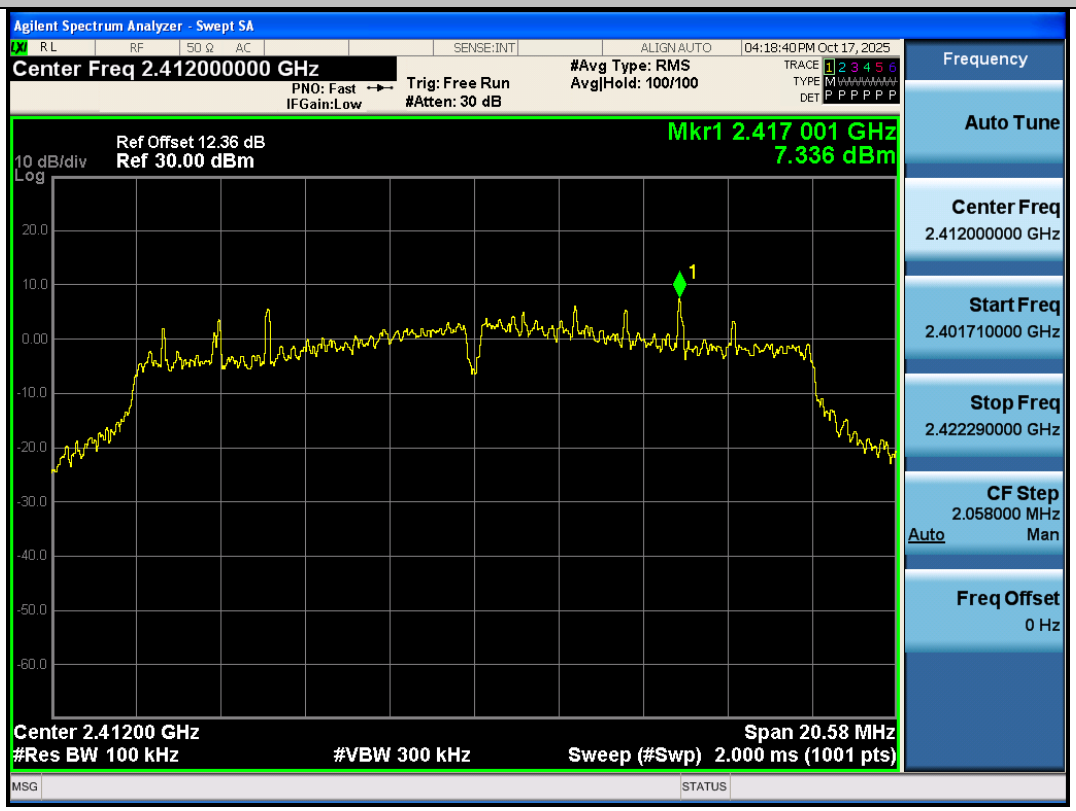
Appendix E: Conducted Spurious Emission

Test Result for Reference level:

11B-Ant3-2412-PASS

11B-Ant3-2437-PASS

11B-Ant3-2462-PASS



11G-Ant3-2412-PASS

11G-Ant3-2437-PASS

11G-Ant3-2462-PASS

11N20SISO-Ant3-2412-PASS

11N20SISO-Ant3-2437-PASS

11N20SISO-Ant3-2462-PASS

11AX20SISO-Ant3-2412-PASS