

Test report No:
2560639R.703

TEST REPORT

Product Name	Tablet Computer
Trademark	Xiaomi
Model and /or type reference	25097RP43G
FCC ID	2AFZZRP43G
Applicant's name / address	Xiaomi Communications Co., Ltd. #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
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	2025-08-13
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
2 Description of Test Setup	13
3 Verdict summary section	14
3.1 Standards.....	14
3.2 Deviation(s) from the Standard(s) / Test Specification(s)	14
3.3 Overview of results.....	15
3.4 Power setting in test.....	16
3.5 Test Facility	17
4 Test Results.....	18
4.1 AC Power Line Conducted Emission	18
4.1.1 Limit.....	18
4.1.2 Test Setup.....	18
4.1.3 Test Procedure	18
4.2 Emissions in restricted frequency bands	19
4.2.1 Limit.....	19
4.2.2 Test Setup.....	21
4.2.3 Test Procedure	22
4.3 Emissions in non-restricted frequency band	23
4.3.1 Limit.....	23
4.3.2 Test Setup.....	23
4.3.3 Test Procedure	23
4.4 Duty cycle.....	24
4.4.1 Limit.....	24
4.4.2 Test Setup.....	24
4.4.3 Test Procedure	24

4.5	Radiated Emission Band Edge	25
4.5.1	Limit.....	25
4.5.2	Test Setup.....	25
4.5.3	Test Procedure	26
4.6	DTS Bandwidth	27
4.6.1	Limit.....	27
4.6.2	Test Setup.....	27
4.6.3	Test Procedure	27
4.7	Fundamental emission output power	28
4.7.1	Limit.....	28
4.7.2	Test Setup.....	28
4.7.3	Test Procedure	29
4.8	Power Density	30
4.8.1	Limit:.....	30
4.8.2	Test Setup.....	30
4.8.3	Test Procedure	30
4.9	Antenna Requirement	31
4.9.1	Limit:.....	31
4.9.2	Antenna Connector Construction:.....	31
5	Test setup photo and EUT Photo	31
Appendix A:	Test results of DTS Bandwidth.....	32
Appendix B:	Test results of Maximum conducted output power	45
Appendix C:	Test results of Maximum power spectral density.....	46
Appendix D:	Test results of Band edge measurements	62
Appendix E:	Test results of Conducted Spurious Emission	102
Appendix F:	Test results of Duty cycle	146
Appendix G:	Test results of Emissions in Restricted Bands	156
Appendix H:	Test results of AC Power Line Conducted Emission	186

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 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)	Jul. 11, 2025
Date (start test)	Jul. 13, 2025
Date (finish test)	Jul. 29, 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
PK	: Peak
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
RMS	: Root Mean Squar
NT	: Normal Temperature
HT	: High Extreme Test Temperature
LT	: Low Extreme Test Temperature
NV	: Normal Voltage
HV	: High Extreme Test Voltage
LV	: Low Extreme Test Voltage

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2560724R.703	V1.0	Initial issue of report.	2025-08-13

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 General Information.

USED EQUIPMENT

Location A: Conducted Test/ TR8

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	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	2025.04.13	2026.04.12	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	RF08	2025.06.17	2026.06.16	N/A	N/A
Test system							
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	Software version
MAX Signal Analyzer	Keysight	N9010A	MY48030494	2024.10.26	2025.10.25	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

Location A: AC Power Line Conducted Emission / TR1

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	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	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
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	3

Location A: Radiated Emission(9kHz-1GHz) / AC6

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	Software version
Signal analyzer	Agilent	N9020A	MY49100159	2025.05.10	2026.05.09	A 08.54	N/A
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9168	01231	2025.05.28	2026.05.27	N/A	N/A
Loop Antenna	R&S	HFH2-Z2E	101149	2025.04.16	2026.04.15	N/A	N/A
Coaxial Cable	N/A	N/A	2225	2025.06.10	2026.06.09	N/A	N/A
Coaxial Cable	N/A	N/A	2229	2025.06.10	2026.06.09	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	RF07	2025.06.17	2026.06.16	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	RF06	2025.06.17	2026.06.16	N/A	N/A
Test Software	Tonscend	JS36	N/A	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	MY634901 18	2024.07.26	2025.07.25	A 08.54	N/A
Signal analyzer	keysight	N9020B	MY634901 18	2025.07.19	2026.07.18	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	KV2D11A1 8ES	2024.11.02	2025.11.01	N/A	N/A
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	01312	2024.10.28	2025.10.27	N/A	N/A
Amplifier	ESE	LNA0118	LNA231000 09	2024.08.10	2025.08.09	N/A	N/A
Amplifier	Tonscend	TAP0101804 8S	AP23J8060 307	2024.11.16	2025.11.15	N/A	N/A
Band Reject Filter Group	Tonscend	JS0806-F	23G806F07 01	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
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	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
Radiated Emission Band Edge	± 3.9 dB
DTS Bandwidth	± 1.0 kHz
Occupied Bandwidth	± 1.0 kHz
Power Density	± 1.3 dB

Test item Test Location B	Uncertainty
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~300MHz: 4.9 dB, 300MHz~1GHz: 4.9 dB Vertical: 30MHz~300MHz: 4.9 dB, 300MHz~1GHz: 4.9 dB
Radiated Emission(1GHz~40GHz)	Horizontal: 1GHz~40GHz: 6.0 dB Vertical: 1GHz~40GHz: 5.8 dB
Radiated Emission Band Edge	± 6.0 dB

1 GENERAL INFORMATION

Product Name	Tablet Computer	
Model No.....	25097RP43G	
Trademark.....	Xiaomi	
FCC ID	2AFZZRP43G	
Manufacturer.....	Xiaomi Communications Co., Ltd.	
Manufacturer Address.....	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085	
Power Supply	Battery: 3.91Vdc	
Wireless specification	Wi-Fi	
Operating frequency range(s)	2400~2483.5MHz	
Type of modulation	802.11b: DSSS-DBPSK, DQPSK, CCK 802.11g/n: OFDM-BPSK, QPSK, 16QAM, 64QAM 802.11ax/be: OFDMA -BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024 QAM, 4096QAM	
Channel Spacing.....	802.11b/g/n/ax/be: 20MHz 802.11n/ax/be: 40MHz	
Device category	<input type="checkbox"/>	Fixed point-to-point
	<input type="checkbox"/>	Emit multiple directional beams, simultaneously or sequentially
	<input checked="" type="checkbox"/>	Other cases
Antenna type.....	Ant 0: PIFA Ant 2: Resonant cavity Antenna	
Antenna Gain	Ant 0: -3.5 dBi Ant 2: -2.2 dBi	

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.
- 802.11ax/be support full RU tone and partial RU tone, both full RU and partial RU-left (for low CH) and partial RU-right (for high CH) are tested for conducted power/PSD/Channel Mask in appendix, all the other test case were performed with full RU with its maximum power/PSD.
- 802.11be support small size RU as below, which is less than full RU conducted power, therefore have assessed only Power Density/RSE.
- This device is equipped with two Wi-Fi 2.4GHz antennas. We tested the output power of both chains separately. When testing other conduction test items, only the chain with higher power was selected for testing. When testing radiated spurious emissions, we tested the data of both antenna chains and MIMO mode, but only the data of the MIMO(ANT0+ANT2), was shown in the report.

<Small size RU 52+26 Tone>:

Bandwidth	Tones		Index		For test modes configure
20MHz	26	52	1	38	1
20MHz	52	26	38	4	2
20MHz	52	26	39	7	3

<Small size RU 106+26 Tone>:

Bandwidth	Tones		Index		For test modes configure
20MHz	106	26	53	4	1
20MHz	26	106	4	54	2

2 DESCRIPTION OF TEST SETUP

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
(1) Notebook	P137G	DELL	Adapter
(2) USB TypeC cable	N/A	N/A	N/A
Software	Type / Version	Manufacturer	Supplied by
QRCT	N/A	N/A	N/A

Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2) USB TypeC cable	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(3) N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>

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.

2.1 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
KDB 662911 D01V02r01	2020	Provision to Allow Measurement of Directional Gain of Multi-Antenna Systems for Compliance Verification

2.2 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)

2.3 Overview of results

Requirement – Test Item of FCC	Standard(s)	Verdict	Remark
DTS Bandwidth	FCC 15.247(a)(2)	PASS	Please refer to appendix test data
Maximum conducted output power	15.247 (b)(3)	PASS	Please refer to appendix test data
Maximum power spectral density	FCC 15.247(e)	PASS	Please refer to appendix test data
Band edge measurements	FCC 15.247(d) FCC 15.205 FCC 15.209	PASS	Please refer to appendix test data
Conducted Spurious Emission	FCC 15.247(d), FCC 15.209	PASS	Please refer to appendix test data
Duty cycle	ANSI C63.10:2013	PASS	Please refer to appendix test data
Emissions in Restricted Bands	FCC 15.205 FCC 15.209	PASS	Please refer to appendix test data
AC Power Line Conducted Emission	FCC 15.207	PASS	Please refer to appendix test data
Antenna Requirement	FCC 15.203	PASS	---

2.4 Power setting in test

Mode	Channel	Frequency (MHz)	Power setting	
			Ant0	Ant2
11b	1	2412	18.0	18.0
	6	2437	18.0	18.0
	11	2462	18.0	18.0
11g	1	2412	18.0	18.0
	6	2437	18.0	18.0
	11	2462	18.0	18.0
11n (20MHz)	1	2412	18.0	18.0
	6	2437	18.0	18.0
	11	2462	18.0	18.0
11n (40MHz)	3	2422	17.0	17.0
	6	2437	17.0	17.0
	9	2452	17.0	17.0
11ax (20MHz)	1	2412	17.0	17.0
	6	2437	17.0	17.0
	11	2462	17.0	17.0
11ax (40MHz)	3	2422	17.0	17.0
	6	2437	17.0	17.0
	9	2452	17.0	17.0
11be (20MHz)	1	2412	17.0	17.0
	6	2437	17.0	17.0
	11	2462	17.0	17.0
11be (40MHz)	3	2422	16.0	16.0
	6	2437	16.0	16.0
	9	2452	16.0	16.0

2.5 Test Facility

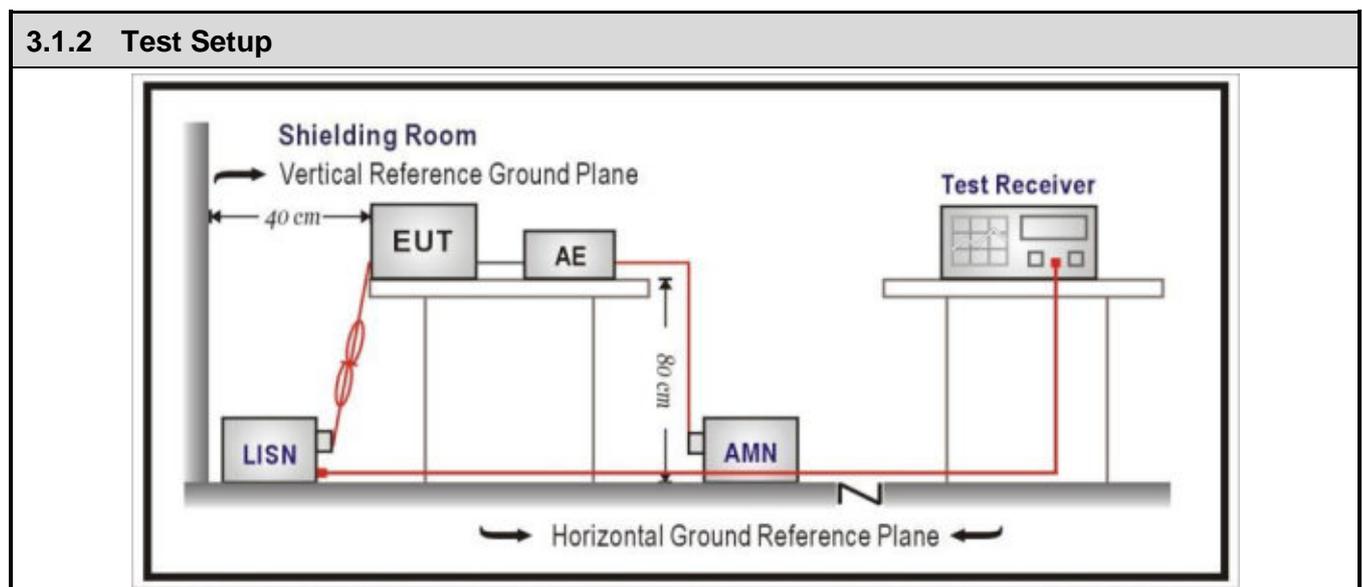
Tset Location A : FCC Designation Number: CN1199

Tset Location B : FCC Designation Number: CN1321

4 TEST RESULTS

3.1 AC Power Line Conducted Emission	VERDICT: PASS
---	----------------------

3.1.1 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.		



3.1.3 Test Procedure			
	References Rule	Chapter	Item
<input checked="" type="checkbox"/>	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

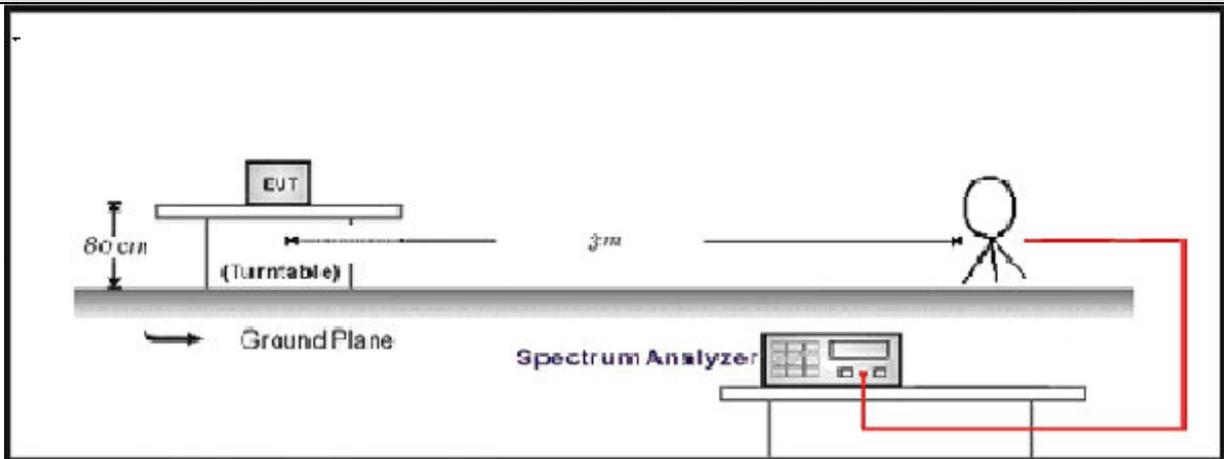
3.2 Emissions in restricted frequency bands	VERDICT: PASS
--	----------------------

3.2.1 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)
<p>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).</p> <p>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</p>			

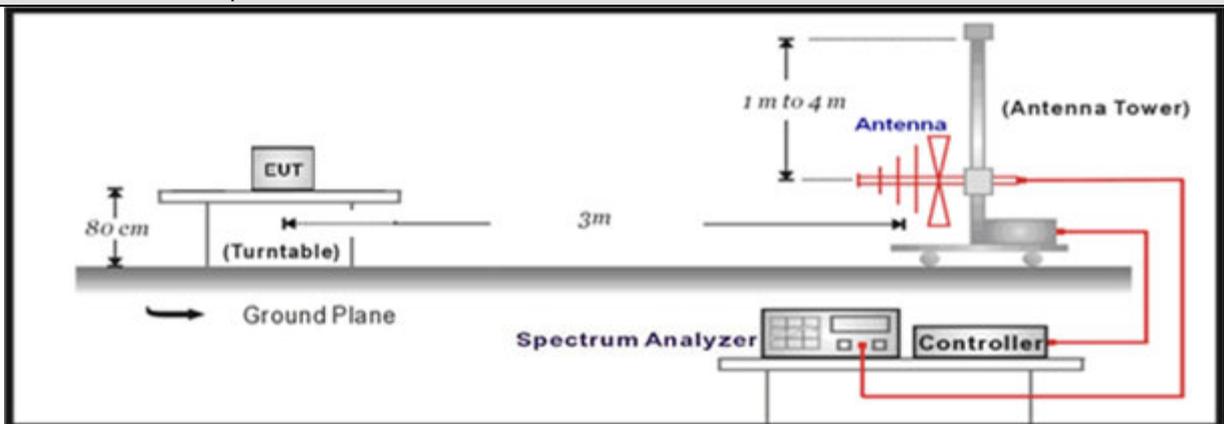
that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

3.2.2 Test Setup

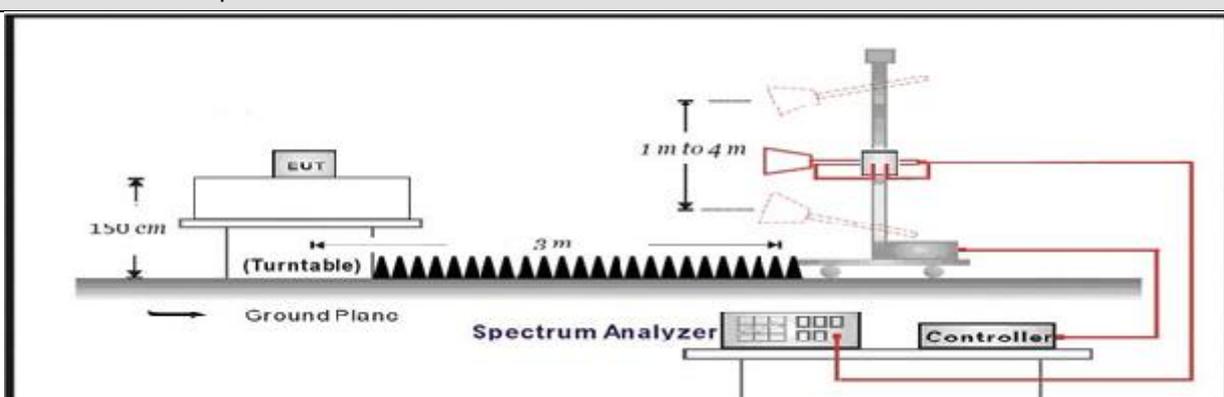
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



3.2.3 Test Procedure			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	11.12	Emissions in restricted frequency bands
	<input checked="" type="checkbox"/> ANSI C63.10	11.12.1	Radiated emission measurements
	<input checked="" type="checkbox"/> ANSI C63.10	6.3	Radiated spurious emission test
	<input checked="" type="checkbox"/> ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	<input checked="" type="checkbox"/> ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	<input checked="" type="checkbox"/> ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz
	<input type="checkbox"/> ANSI C63.10	11.12.2	Antenna-port conducted measurements
	<input type="checkbox"/> ANSI C63.10	11.12.2.3	Quasi-peak measurement procedure
	<input type="checkbox"/> ANSI C63.10	11.12.2.4	Peak power measurement procedure
	<input type="checkbox"/> ANSI C63.10	11.12.2.5	Average power measurement procedures
	<input type="checkbox"/> ANSI C63.10	11.12.2.5.1	Trace averaging with continuous EUT transmission at full power
	<input type="checkbox"/> ANSI C63.10	11.12.2.5.2	Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction
	<input type="checkbox"/> ANSI C63.10	11.12.2.5.3	Reduced VBW averaging across ON and OFF times of the EUT transmissions with max hold

3.3 Emissions in non-restricted frequency band	VERDICT: PASS
---	----------------------

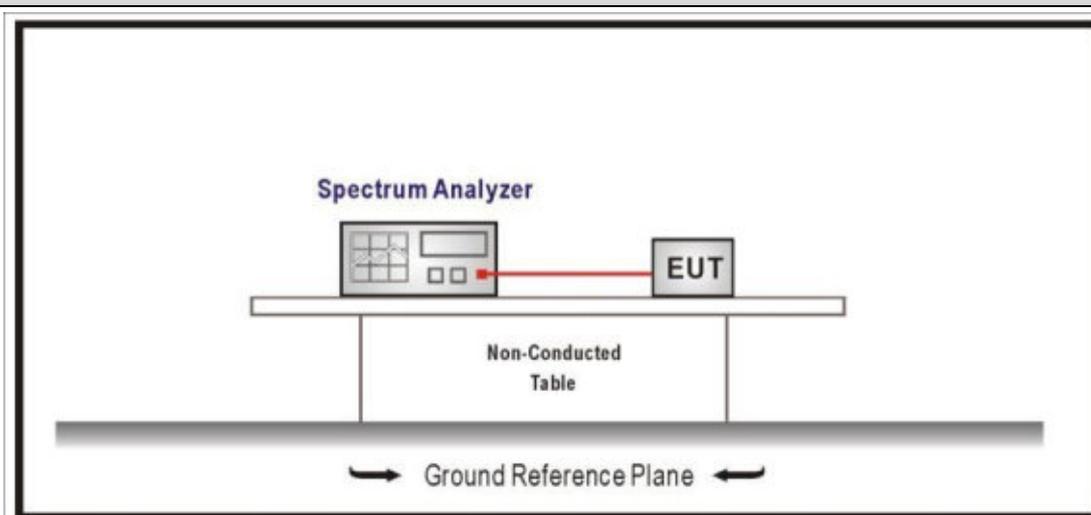
3.3.1 Limit

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).

3.3.2 Test Setup

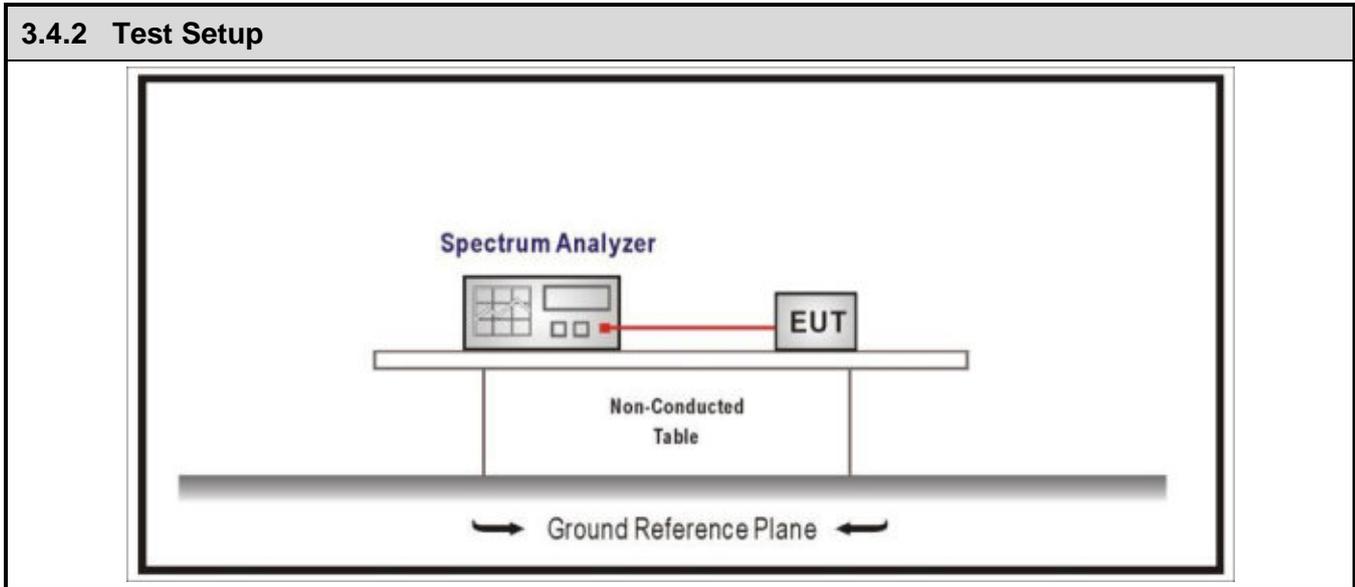


3.3.3 Test Procedure

References Rule	Chapter	Description
<input checked="" type="checkbox"/> ANSI C63.10	11.11	Emissions in non-restricted frequency bands
<input checked="" type="checkbox"/> ANSI C63.10	11.11.1	General
<input checked="" type="checkbox"/> ANSI C63.10	11.11.2	Reference level measurement
<input checked="" type="checkbox"/> ANSI C63.10	11.11.3	Emission level measurement

3.4 Duty cycle	VERDICT: PASS
-----------------------	----------------------

3.4.1 Limit
N/A



3.4.3 Test Procedure			
References Rule	Chapter	Description	
<input checked="" type="checkbox"/> ANSI C63.10	11.6	Duty cycle (D), transmission duration (T), and maximum power control level	

3.5 Radiated Emission Band Edge	VERDICT: PASS
--	----------------------

3.5.1 Limit

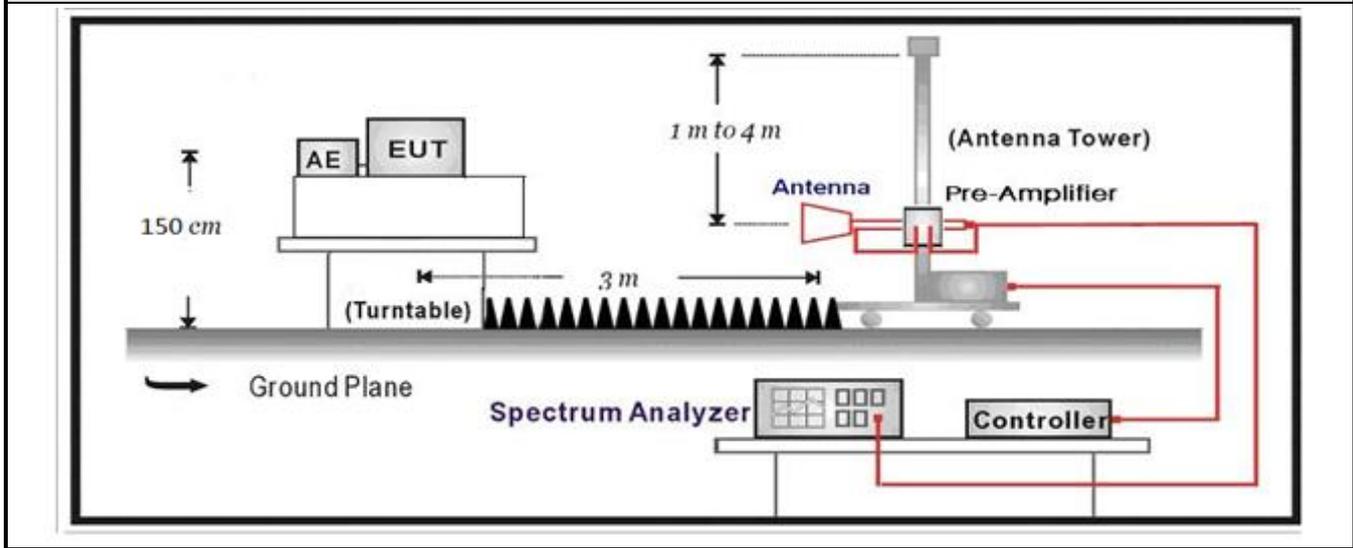
Standard FCC Part 15 Subpart C Paragraph 15.247(d) , 15.205, 15.209

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.

3.5.2 Test Setup

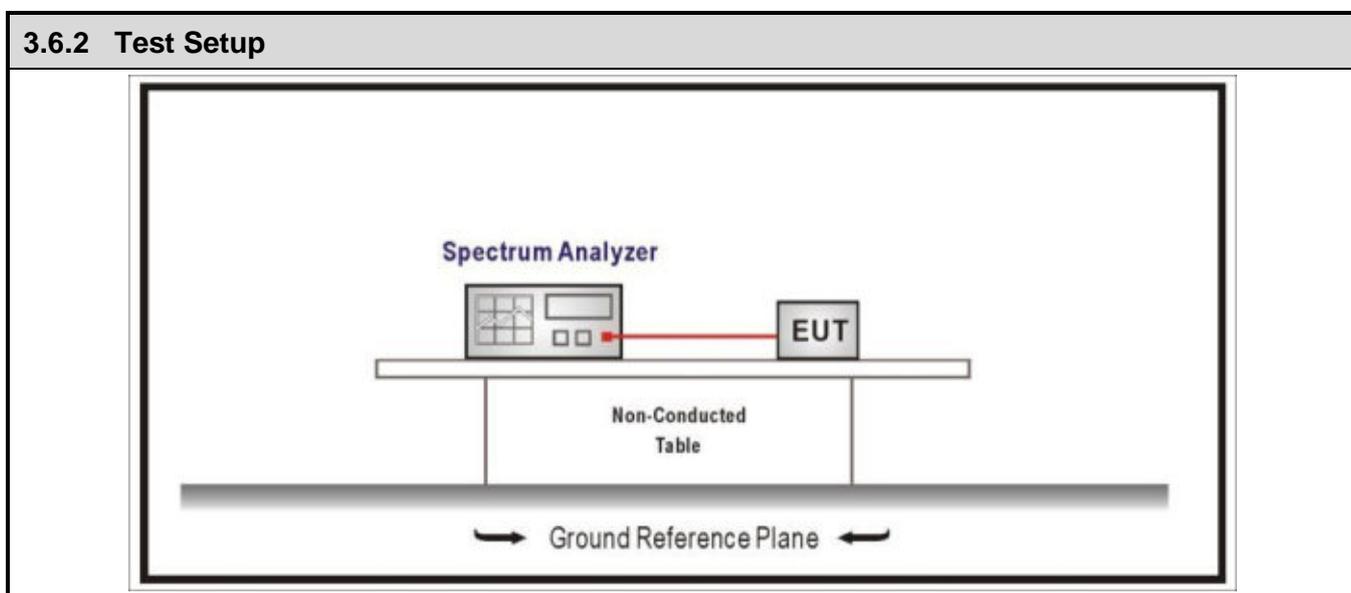
Above 1GHz Test Setup:



3.5.3 Test Procedure			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	6.10	Band-edge testing
	<input checked="" type="checkbox"/> ANSI C63.10	6.10.5	Restricted-band band-edge measurements
	<input type="checkbox"/> ANSI C63.10	6.10.6	Marker-delta method
<input checked="" type="checkbox"/>	ANSI C63.10	11.12	Emissions in restricted frequency bands
	<input checked="" type="checkbox"/> ANSI C63.10	11.12.1	Radiated emission measurements
	<input checked="" type="checkbox"/> ANSI C63.10	6.3	Radiated spurious emission test
<input type="checkbox"/>	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
<input type="checkbox"/>	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
<input checked="" type="checkbox"/>	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

3.6 DTS Bandwidth	VERDICT: PASS
--------------------------	----------------------

3.6.1 Limit	
Standard	FCC Part 15 Subpart C Paragraph 15.247 (a)(2)
Systems using digital modulation techniques operate in the 2400-2483.5 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 be within the required frequency range.	

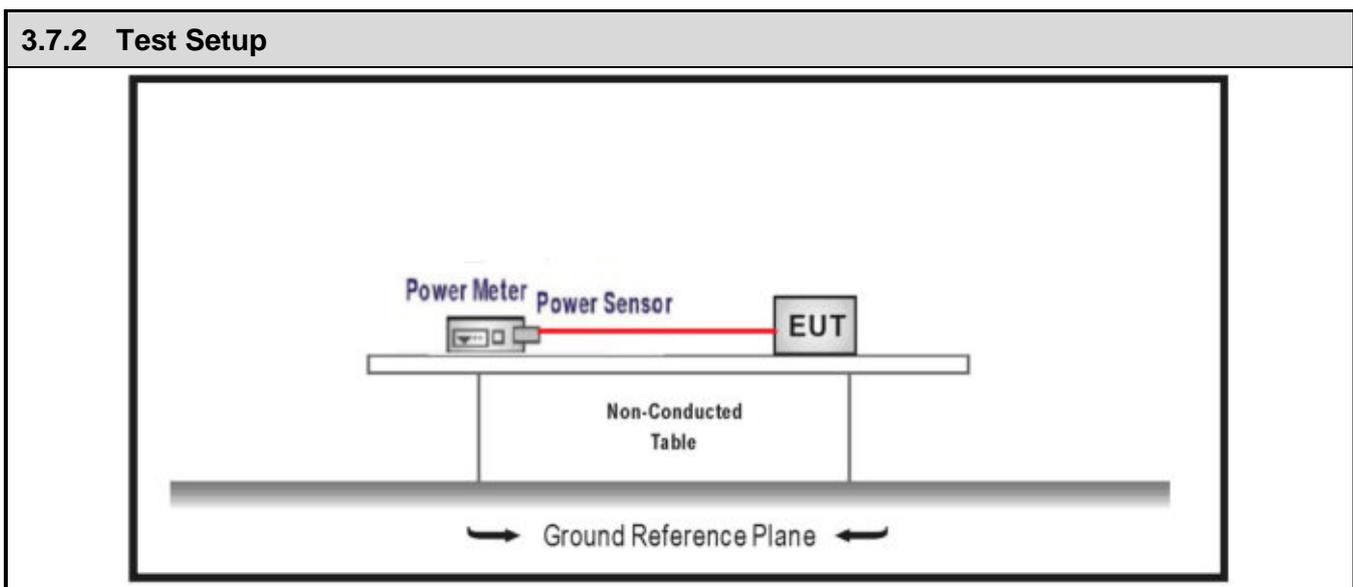


3.6.3 Test Procedure			
	Reference Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	11.8	DTS bandwidth
<input type="checkbox"/>	ANSI C63.10	11.8.1	Option 1
<input checked="" type="checkbox"/>	ANSI C63.10	11.8.2	Option 2
<input checked="" type="checkbox"/>	ANSI C63.10	6.9	Occupied bandwidth
<input type="checkbox"/>	ANSI C63.10	6.9.2	relative measurement procedure
<input checked="" type="checkbox"/>	ANSI C63.10	6.9.3	power bandwidth (99%) measurement procedure

3.7 Fundamental emission output power	VERDICT: PASS
--	----------------------

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

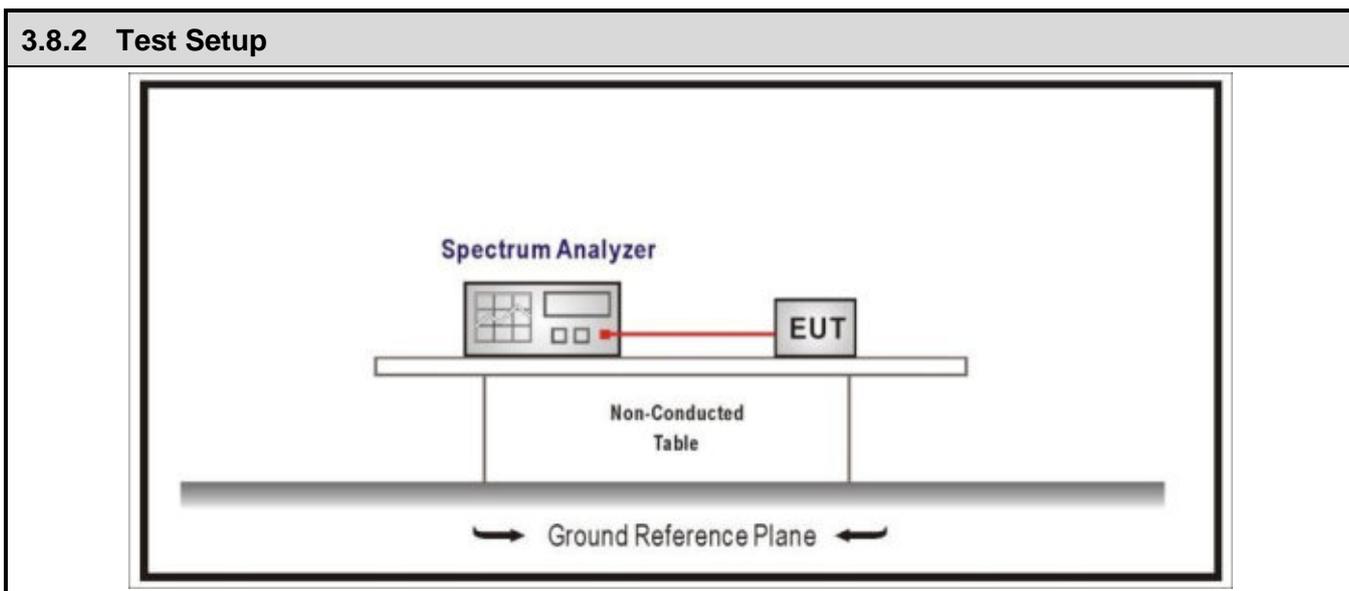
Note 1 : GTX directional gain of transmitting antennas.
 Note 2 : Pout is maximum conducted output power .



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

3.8 Power Density	VERDICT: PASS
--------------------------	----------------------

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



3.8.3 Test Procedure			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	11.10	Maximum power spectral density level in the fundamental emission
<input checked="" type="checkbox"/>	ANSI C63.10	11.10.2	Method PKPSD (peak PSD)
<input type="checkbox"/>	ANSI C63.10	11.10.3	Method AVGPSD-1(Duty cycle ≥ 98%)
<input type="checkbox"/>	ANSI C63.10	11.10.4	Method AVGPSD-1A(Duty cycle ≥ 98%)
<input type="checkbox"/>	ANSI C63.10	11.10.5	Method AVGPSD-2(Duty cycle < 98%)
<input type="checkbox"/>	ANSI C63.10	11.10.6	Method AVGPSD-2A(Duty cycle < 98%)
<input type="checkbox"/>	ANSI C63.10	11.10.7	Method AVGPSD-3
<input type="checkbox"/>	ANSI C63.10	11.10.8	Method AVGPSD-3A

3.9 Antenna Requirement	VERDICT: PASS
--------------------------------	----------------------

3.9.1 Limit:	
Standard	FCC Part 15 Subpart C Paragraph 15.203
<p>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.</p>	

3.9.2 Antenna Connector Construction:	
<input type="checkbox"/>	The use of a permanently attached antenna
<input type="checkbox"/>	The antenna use of a unique coupling to the intentional radiator
<input checked="" type="checkbox"/>	The use of a nonstandard antenna jack or electrical connector
Please refer to the attached document "Internal Photograph" to show the antenna connector.	

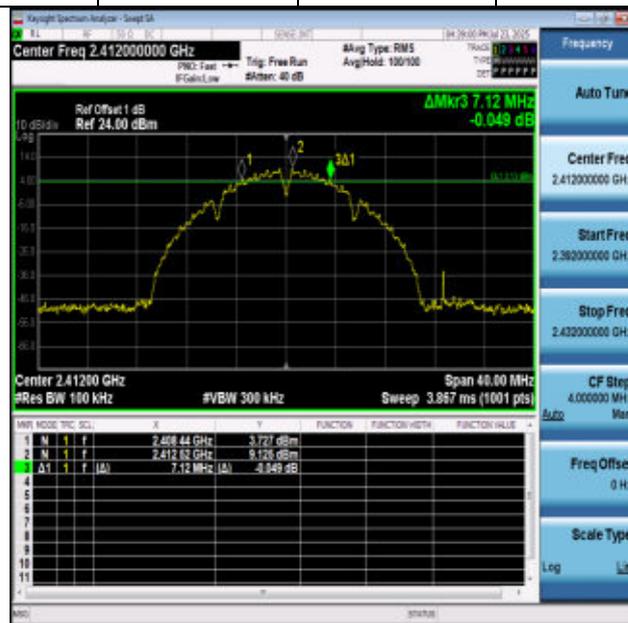
5 TEST SETUP PHOTO AND EUT PHOTO

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

Appendix A: Test results of DTS Bandwidth

6dB bandwidth:

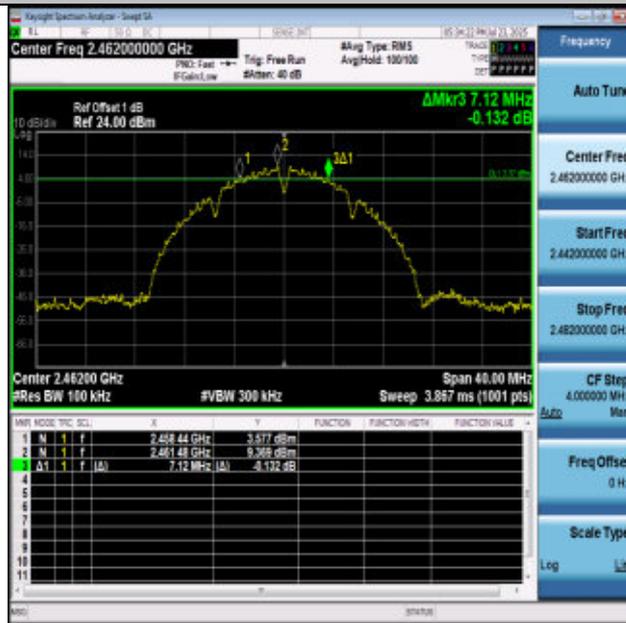
TestMode	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	2412	7.120	2408.440	2415.560	0.5	PASS
11B	2437	7.120	2433.440	2440.560	0.5	PASS
11B	2462	7.120	2458.440	2465.560	0.5	PASS
11G	2412	16.280	2403.880	2420.160	0.5	PASS
11G	2437	15.080	2429.440	2444.520	0.5	PASS
11G	2462	15.800	2453.960	2469.760	0.5	PASS
11N20	2412	17.320	2403.480	2420.800	0.5	PASS
11N20	2437	17.560	2428.240	2445.800	0.5	PASS
11N20	2462	16.560	2453.600	2470.160	0.5	PASS
11N40	2422	36.320	2403.840	2440.160	0.5	PASS
11N40	2437	35.680	2419.480	2455.160	0.5	PASS
11N40	2452	30.560	2434.160	2464.720	0.5	PASS
11AX20	2412	17.560	2403.520	2421.080	0.5	PASS
11AX20	2437	15.680	2429.480	2445.160	0.5	PASS
11AX20	2462	18.000	2452.760	2470.760	0.5	PASS
11AX40	2422	37.520	2403.200	2440.720	0.5	PASS
11AX40	2437	34.560	2420.680	2455.240	0.5	PASS
11AX40	2452	37.280	2433.120	2470.400	0.5	PASS
11BE20	2412	15.720	2404.240	2419.960	0.5	PASS
11BE20	2437	15.720	2429.200	2444.920	0.5	PASS
11BE20	2462	18.200	2452.880	2471.080	0.5	PASS
11BE40	2422	37.040	2403.680	2440.720	0.5	PASS
11BE40	2437	37.280	2418.680	2455.960	0.5	PASS
11BE40	2452	34.720	2433.600	2468.320	0.5	PASS



11B-2412-PASS



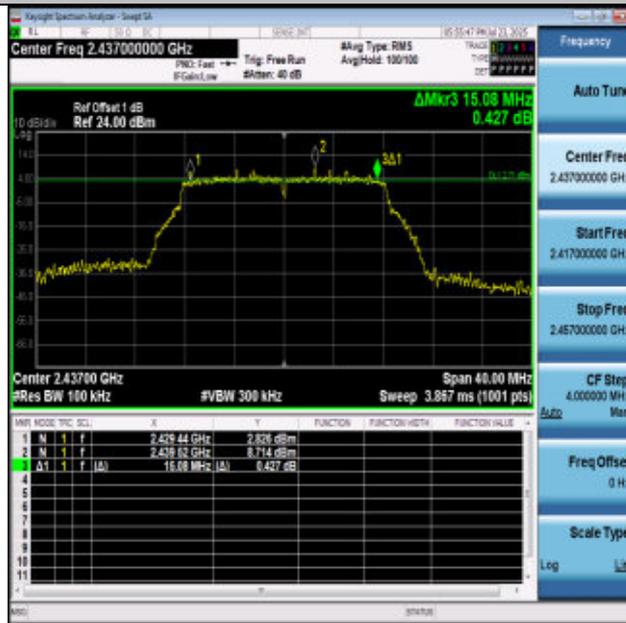
11B-2437-PASS



11B-2462-PASS



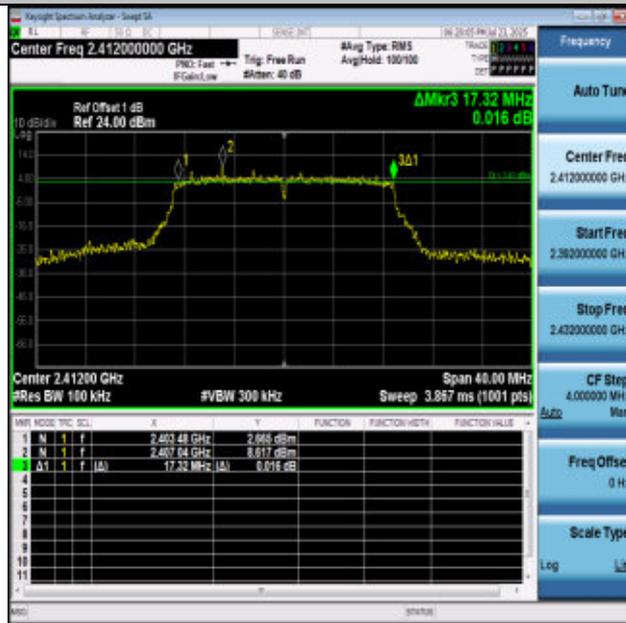
11G-2412-PASS



11G-2437-PASS



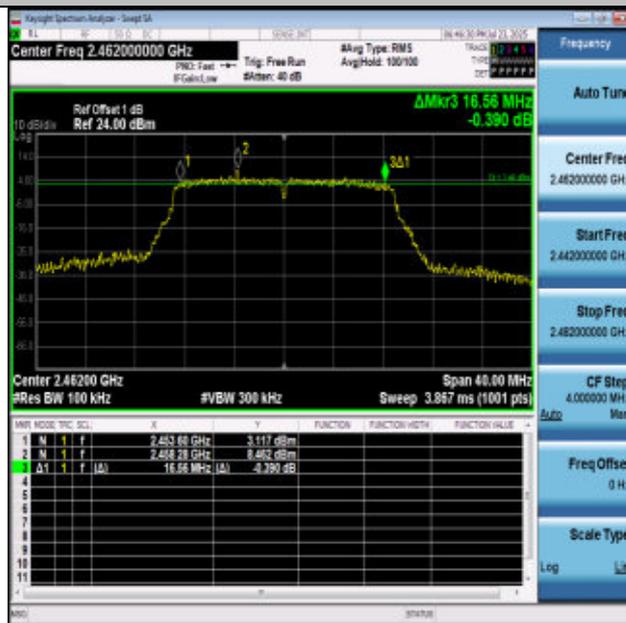
11G-2462-PASS



11N20-2412-PASS



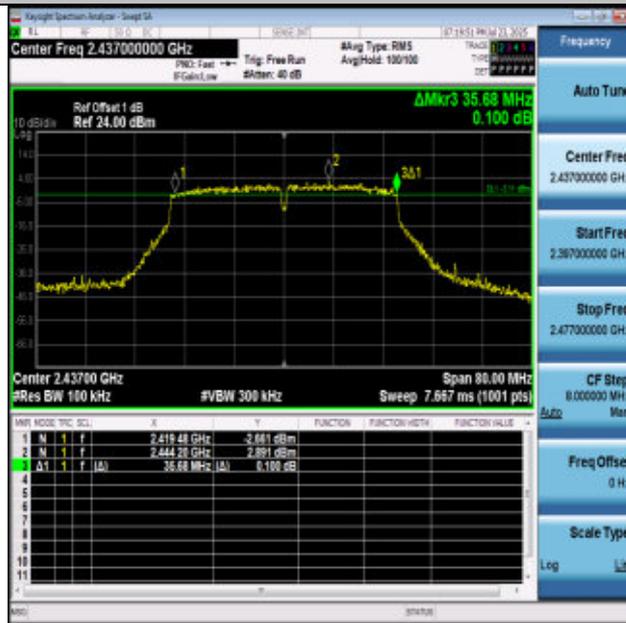
11N20-2437-PASS



11N20-2462-PASS



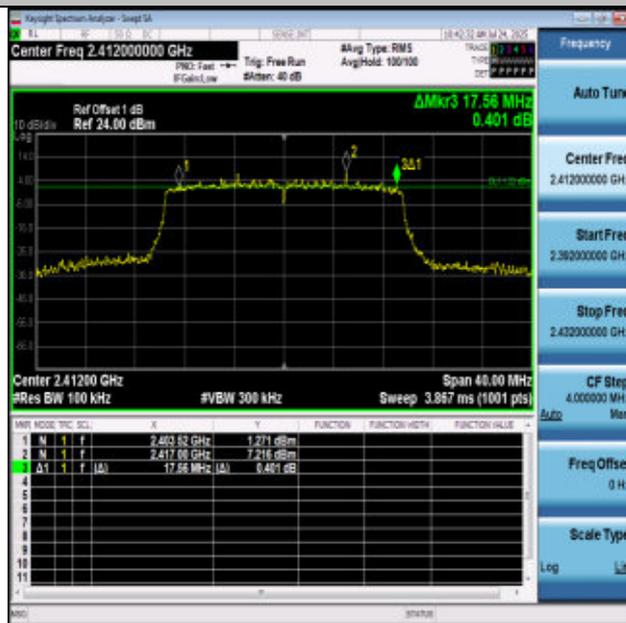
11N40-2422-PASS



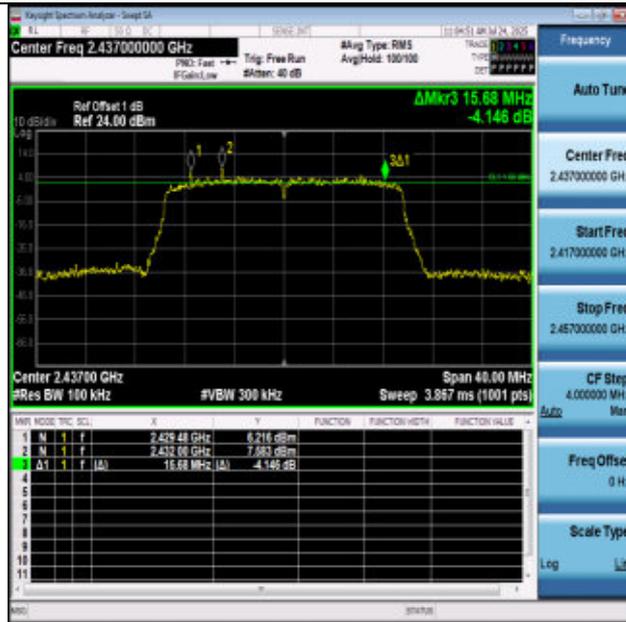
11N40-2437-PASS



11N40-2452-PASS



11AX20-2412-PASS



11AX20-2437-PASS



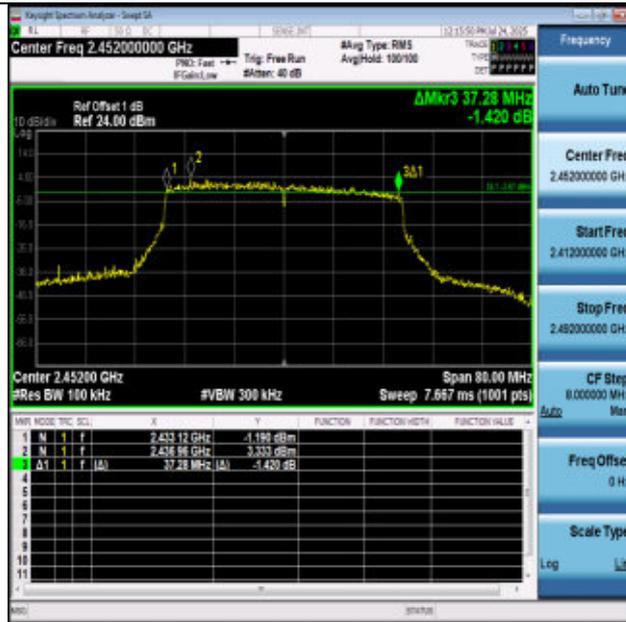
11AX20-2462-PASS



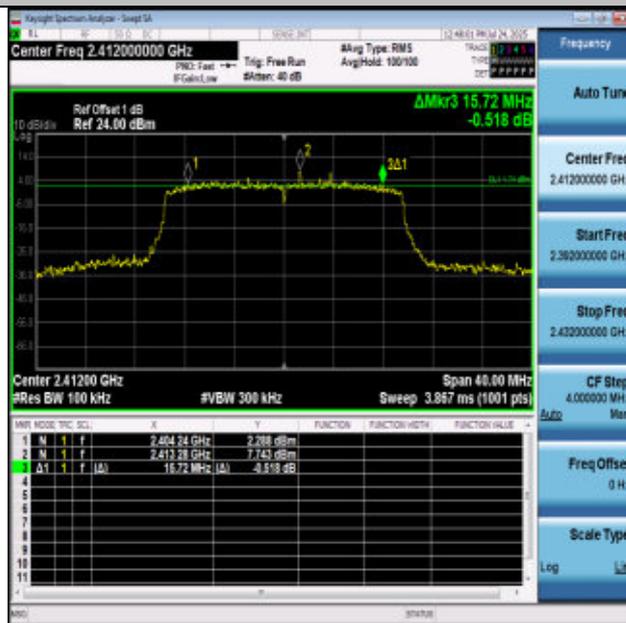
11AX40-2422-PASS



11AX40-2437-PASS



11AX40-2452-PASS



11BE20-2412-PASS



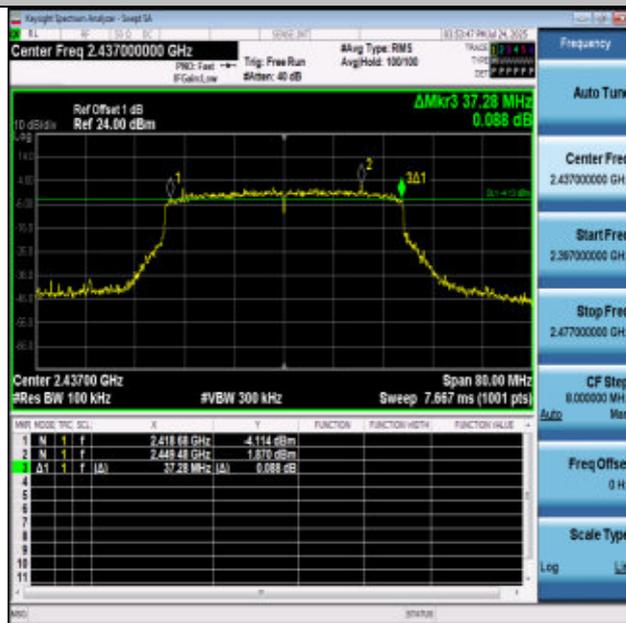
11BE20-2437-PASS



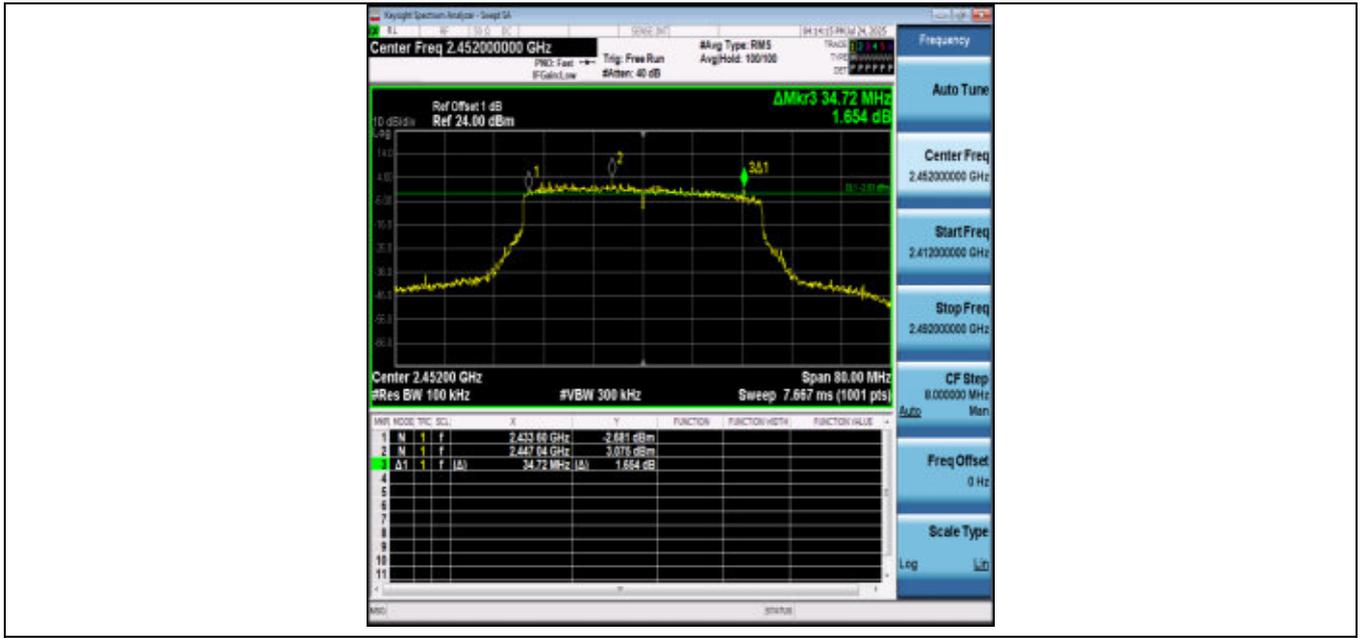
11BE20-2462-PASS



11BE40-2422-PASS



11BE40-2437-PASS



11BE40-2452-PASS

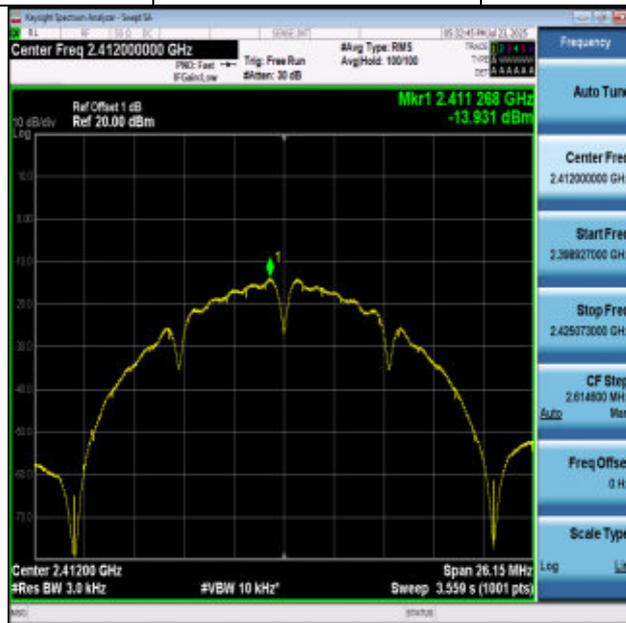
Appendix B: Test results of Maximum conducted output power

Mode	Channel	Frequency (RU)	RU	Measure power (dBm)		Total power	Limit (dBm)	Verdict
				Ant0	Ant2			
11b	1	2412	N/A	18.10	17.51	N/A	≤30.00	Pass
	6	2437	N/A	18.64	17.56	N/A	≤30.00	Pass
	11	2462	N/A	18.41	17.55	N/A	≤30.00	Pass
11g	1	2412	N/A	18.13	17.70	N/A	≤30.00	Pass
	6	2437	N/A	18.84	17.34	N/A	≤30.00	Pass
	11	2462	N/A	18.64	17.74	N/A	≤30.00	Pass
11n (20MHz)	1	2412	N/A	18.18	17.97	21.09	≤30.00	Pass
	6	2437	N/A	18.91	17.61	21.32	≤30.00	Pass
	11	2462	N/A	18.67	17.49	21.13	≤30.00	Pass
11n (40MHz)	3	2422	N/A	17.41	16.74	20.10	≤30.00	Pass
	6	2437	N/A	17.90	16.51	20.27	≤30.00	Pass
	9	2452	N/A	17.66	16.19	20.00	≤30.00	Pass
11ax (20MHz)	1	2412	Full RU	16.97	17.81	20.42	≤30.00	Pass
		2412	RU26/0	19.52	18.36	21.99	≤30.00	Pass
		2412	RU52/37	19.55	18.64	22.13	≤30.00	Pass
		2412	RU106/53	18.72	19.17	21.96	≤30.00	Pass
	6	2437	Full RU	17.64	17.59	20.63	≤30.00	Pass
	11	2462	Full RU	17.60	17.84	20.73	≤30.00	Pass
		2462	RU26/0	18.46	17.31	20.93	≤30.00	Pass
		2462	RU52/37	19.64	18.94	22.31	≤30.00	Pass
2462		RU106/53	20.11	19.60	22.87	≤30.00	Pass	
11ax (40MHz)	3	2422	Full RU	17.29	16.80	20.06	≤30.00	Pass
	6	2437	Full RU	17.85	16.61	20.28	≤30.00	Pass
	9	2452	Full RU	17.44	16.42	19.97	≤30.00	Pass
11be (20MHz)	1	2412	Full RU	17.01	18.06	20.58	≤30.00	Pass
	6	2437	Full RU	17.96	17.46	20.73	≤30.00	Pass
	11	2462	Full RU	17.51	17.73	20.63	≤30.00	Pass
11be (40MHz)	3	2422	Full RU	16.36	15.63	19.02	≤30.00	Pass
	6	2437	Full RU	16.84	15.80	19.36	≤30.00	Pass
	9	2452	Full RU	16.52	15.24	18.94	≤30.00	Pass

Appendix C: Test results of Maximum power spectral density

Full RU

TestMode	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	-13.93	≤8.00	PASS
11B	2437	-13.54	≤8.00	PASS
11B	2462	-13.76	≤8.00	PASS
11G	2412	-16.79	≤8.00	PASS
11G	2437	-16.35	≤8.00	PASS
11G	2462	-15.82	≤8.00	PASS
11N20	2412	-17.04	≤8.00	PASS
11N20	2437	-16.69	≤8.00	PASS
11N20	2462	-16.62	≤8.00	PASS
11N40	2422	-20.78	≤8.00	PASS
11N40	2437	-20.61	≤8.00	PASS
11N40	2452	-20.21	≤8.00	PASS
11AX20	2412	-19.43	≤8.00	PASS
11AX20	2437	-19.16	≤8.00	PASS
11AX20	2462	-19.07	≤8.00	PASS
11AX40	2422	-22.07	≤8.00	PASS
11AX40	2437	-22.19	≤8.00	PASS
11AX40	2452	-21.91	≤8.00	PASS
11BE20	2412	-19.35	≤8.00	PASS
11BE20	2437	-19.40	≤8.00	PASS
11BE20	2462	-19.38	≤8.00	PASS
11BE40	2422	-23.39	≤8.00	PASS
11BE40	2437	-23.38	≤8.00	PASS
11BE40	2452	-23.00	≤8.00	PASS



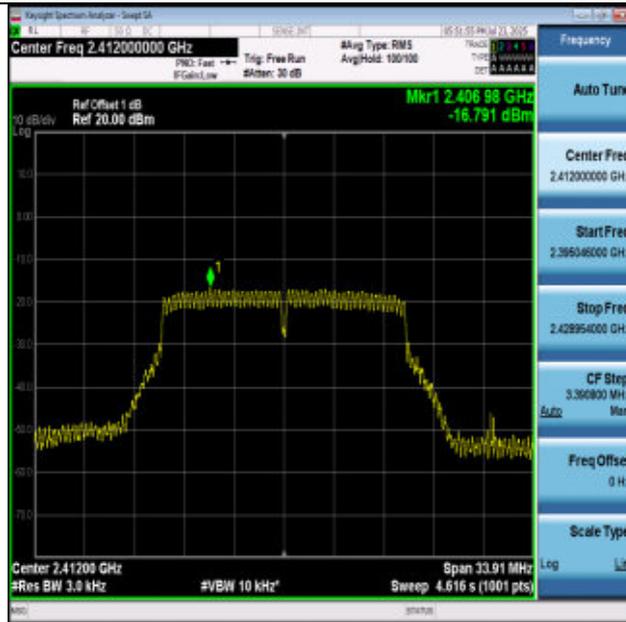
11B-2412-PASS



11B-2437-PASS



11B-2462-PASS



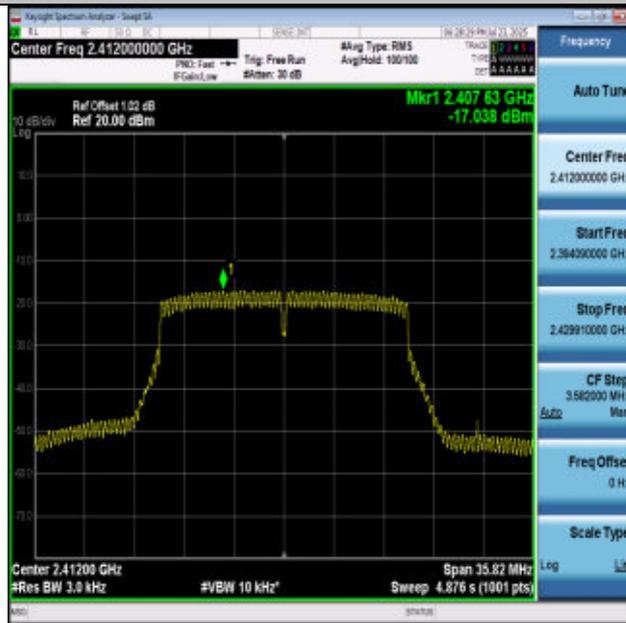
11G-2412-PASS



11G-2437-PASS



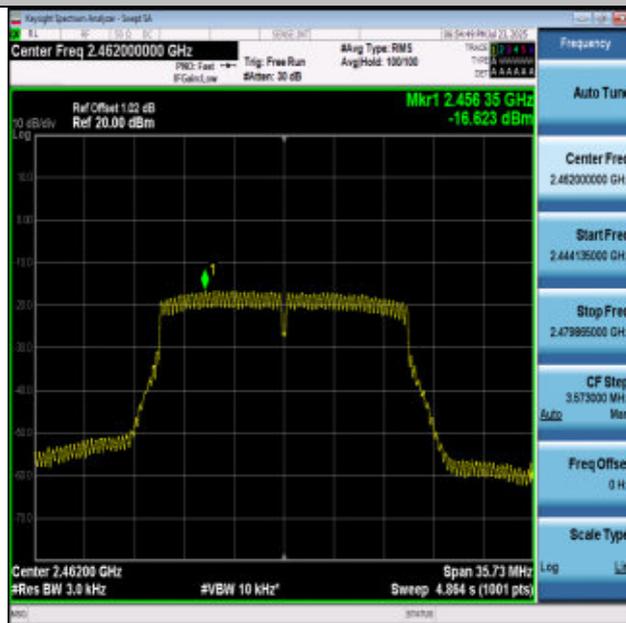
11G-2462-PASS



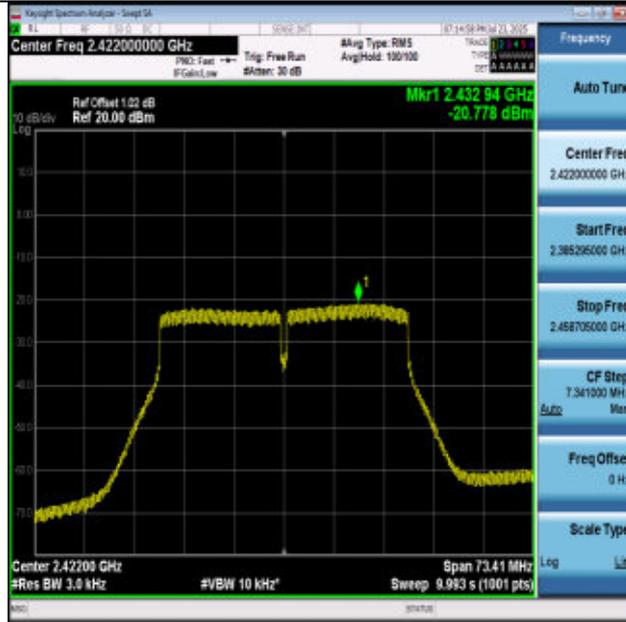
11N20-2412-PASS



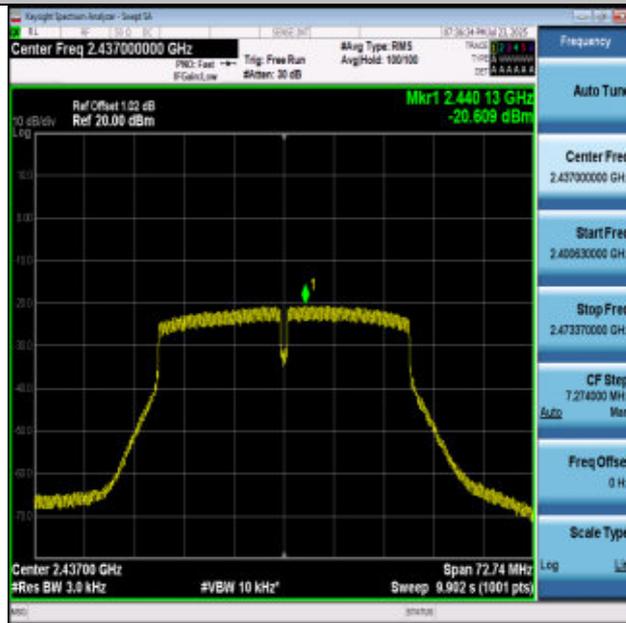
11N20-2437-PASS



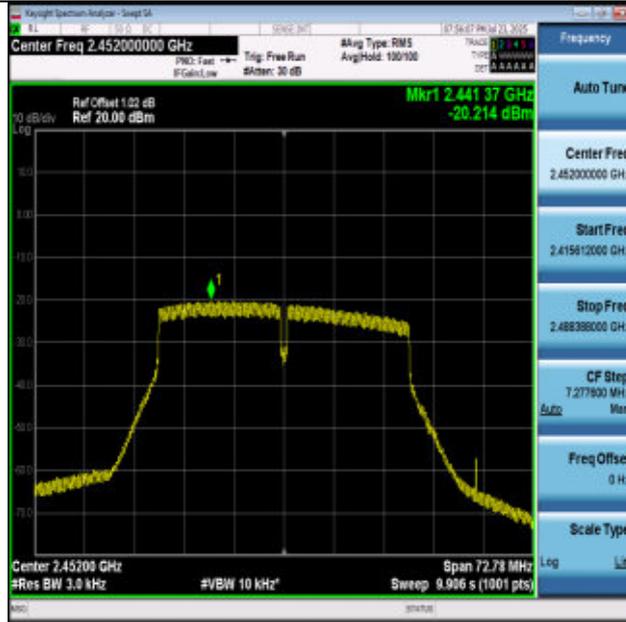
11N20-2462-PASS



11N40-2422-PASS



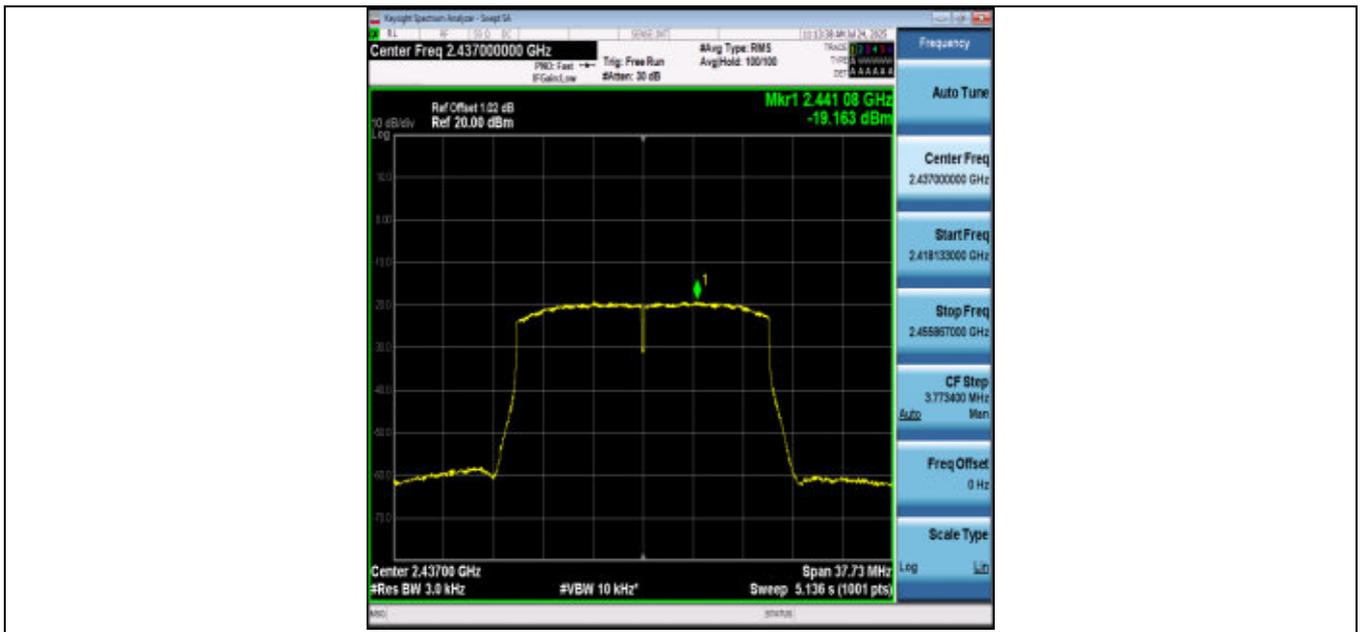
11N40-2437-PASS



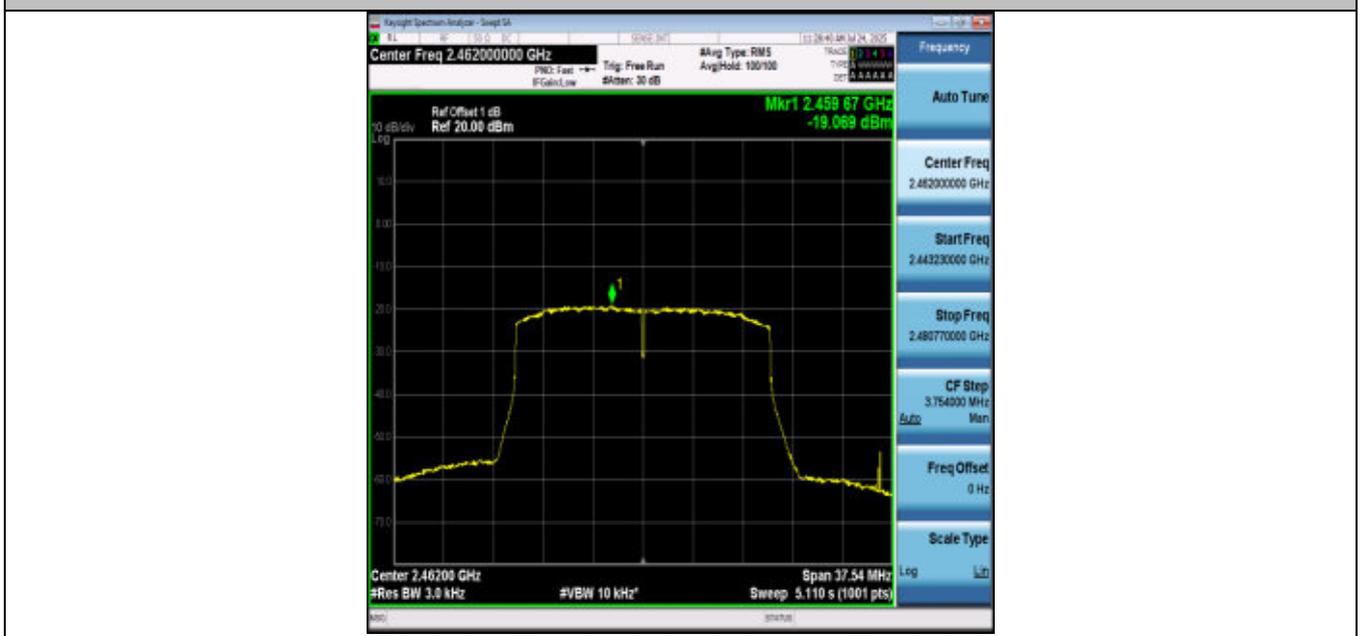
11N40-2452-PASS



11AX20-2412-PASS



11AX20-2437-PASS



11AX20-2462-PASS



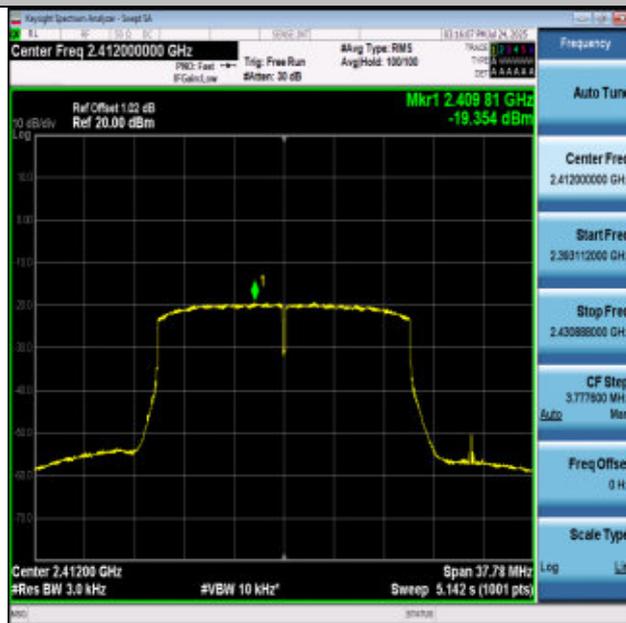
11AX40-2422-PASS



11AX40-2437-PASS



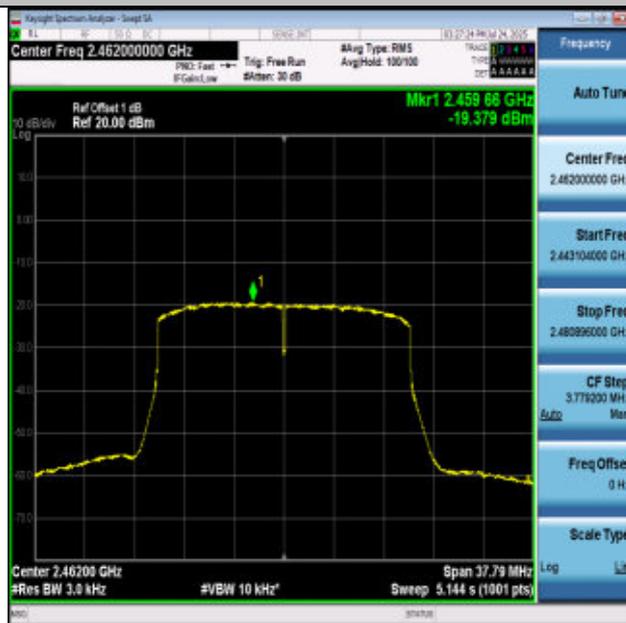
11AX40-2452-PASS



11BE20-2412-PASS



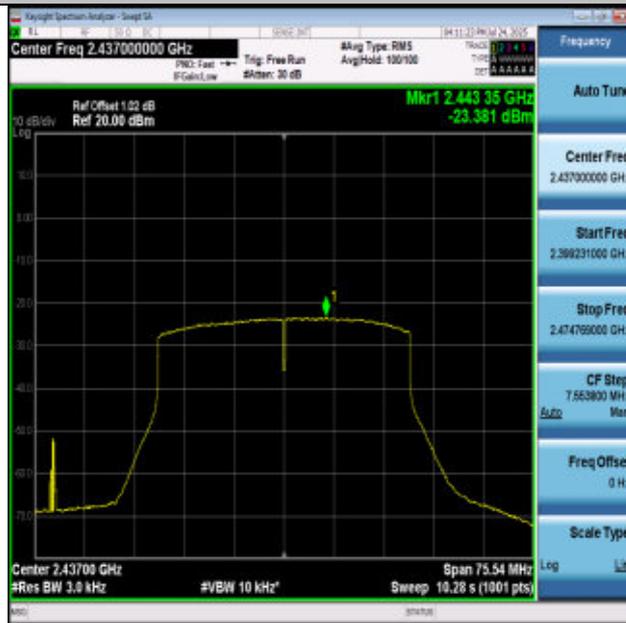
11BE20-2437-PASS



11BE20-2462-PASS



11BE40-2422-PASS

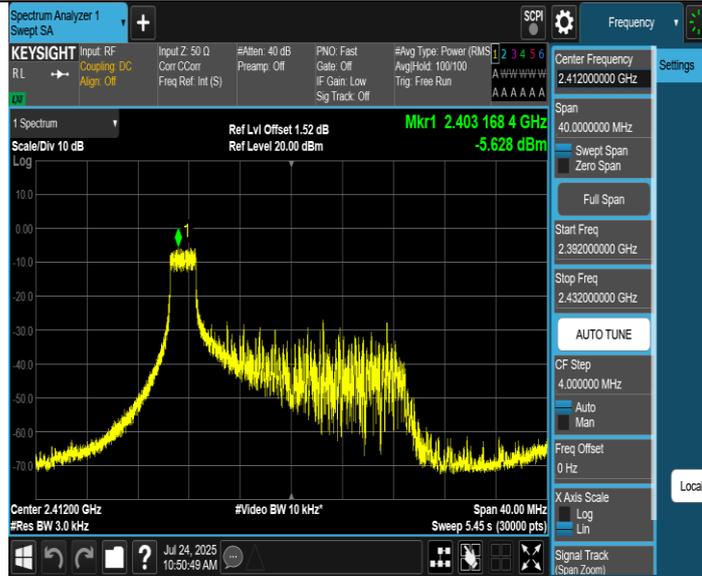


11BE40-2437-PASS

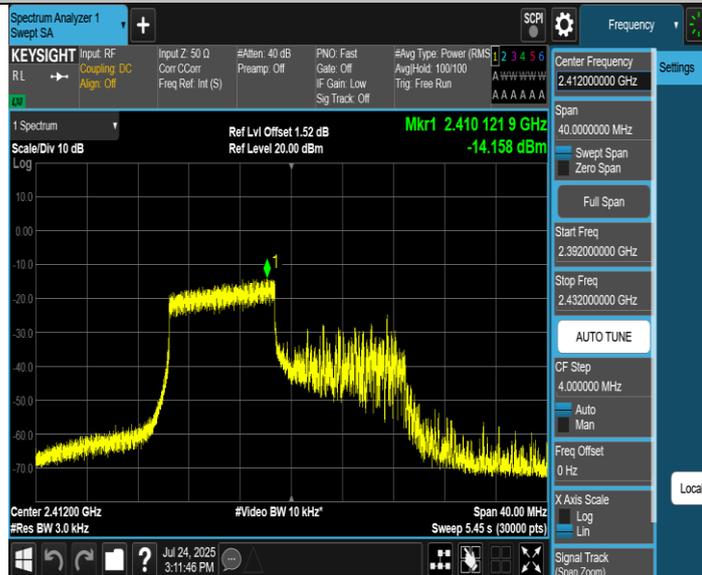
Single RU

TestMode	Frequency[MHz]	RuSize	RuIndex	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11AX20	2412	26Tone	RU0	-5.63	≤8.00	PASS
		52Tone	RU37	-14.16	≤8.00	PASS
		106Tone	RU53	-10.08	≤8.00	PASS
	2462	26Tone	RU0	-6.51	≤8.00	PASS
		52Tone	RU37	-7.12	≤8.00	PASS
		106Tone	RU53	-10.38	≤8.00	PASS

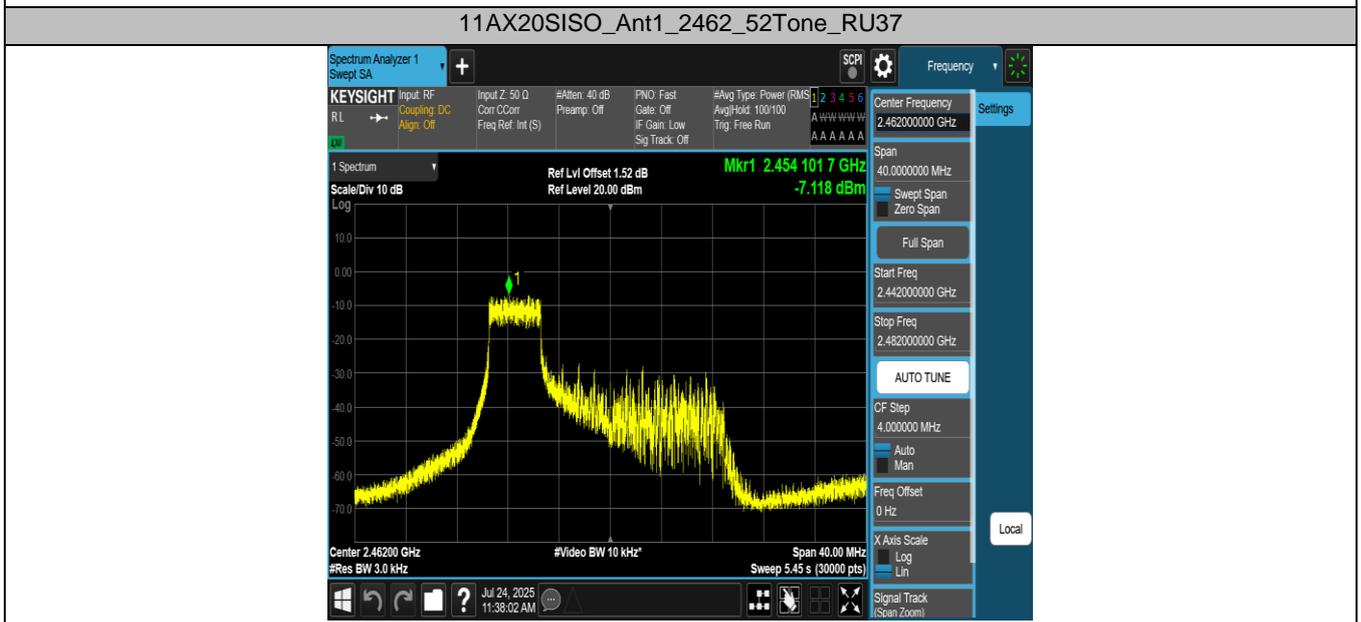
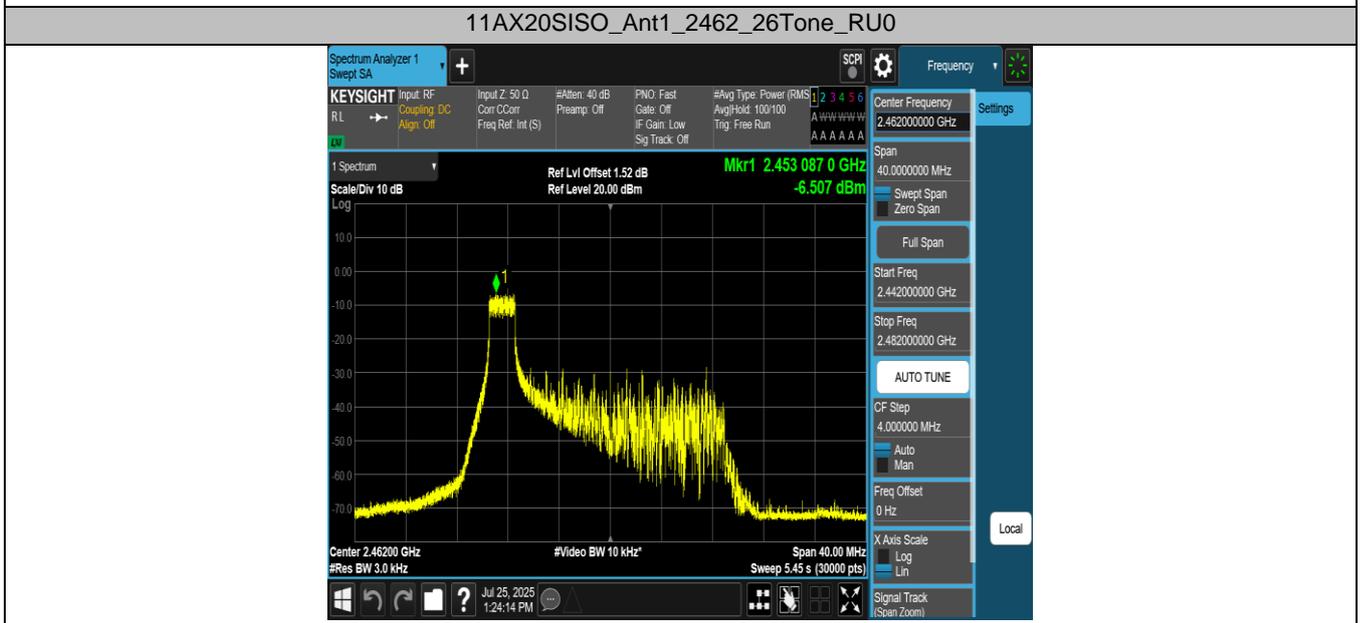
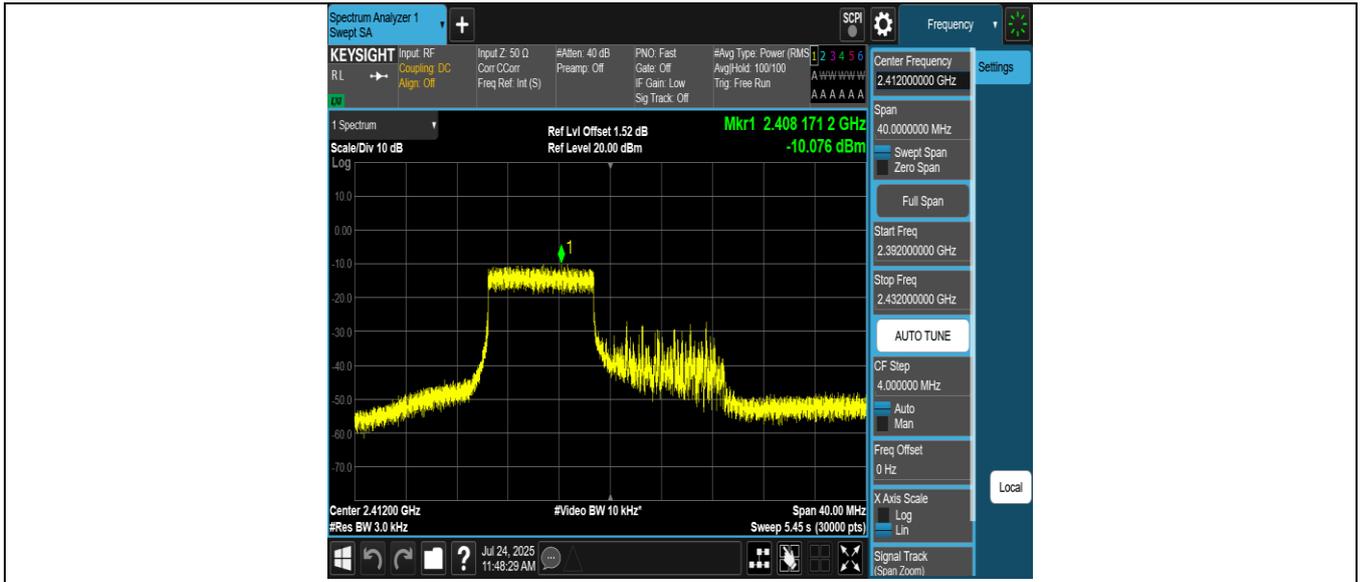
11AX20SISO_Ant1_2412_26Tone_RU0



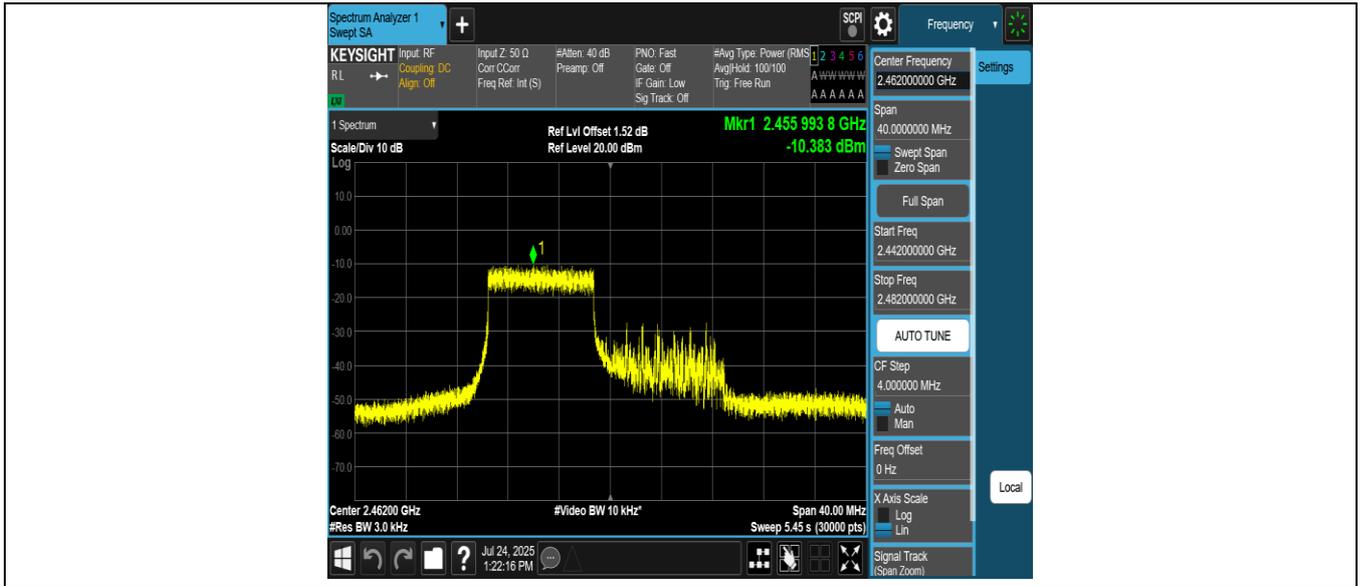
11AX20SISO_Ant1_2412_52Tone_RU37



11AX20SISO_Ant1_2412_106Tone_RU53

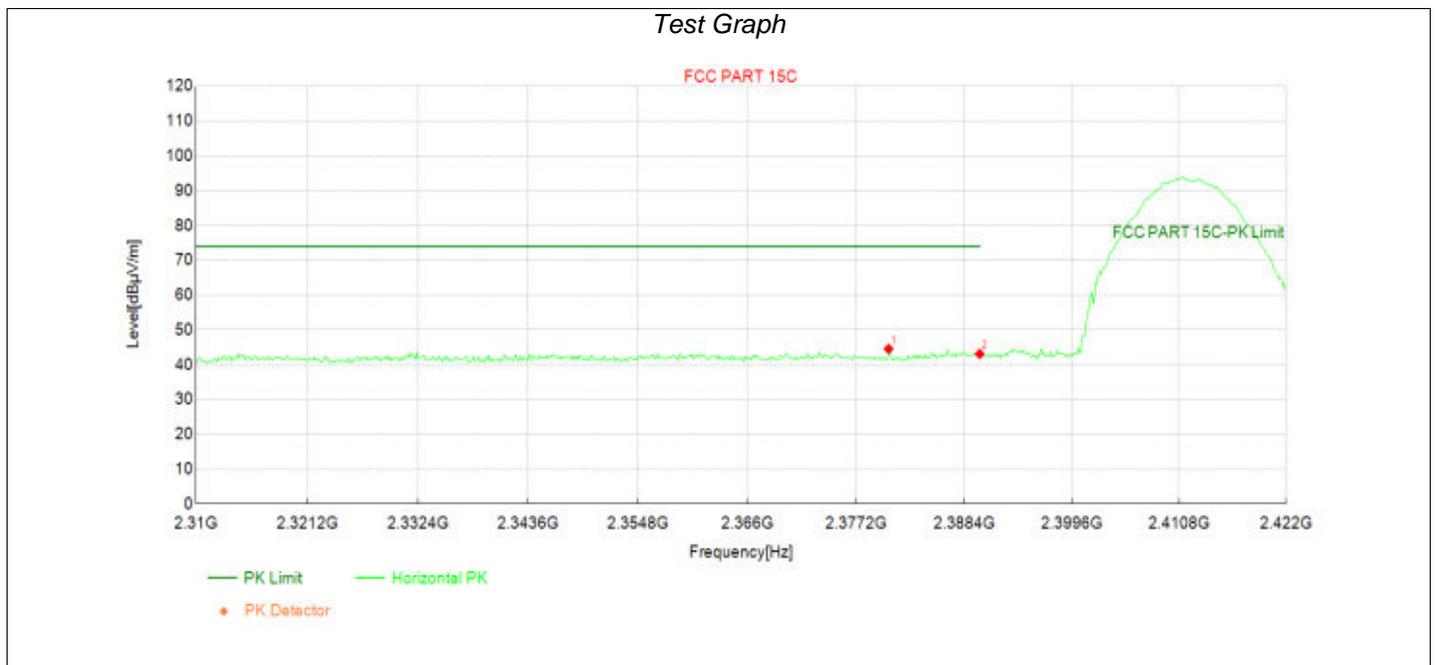


11AX20SISO_Ant1_2462_106Tone_RU53



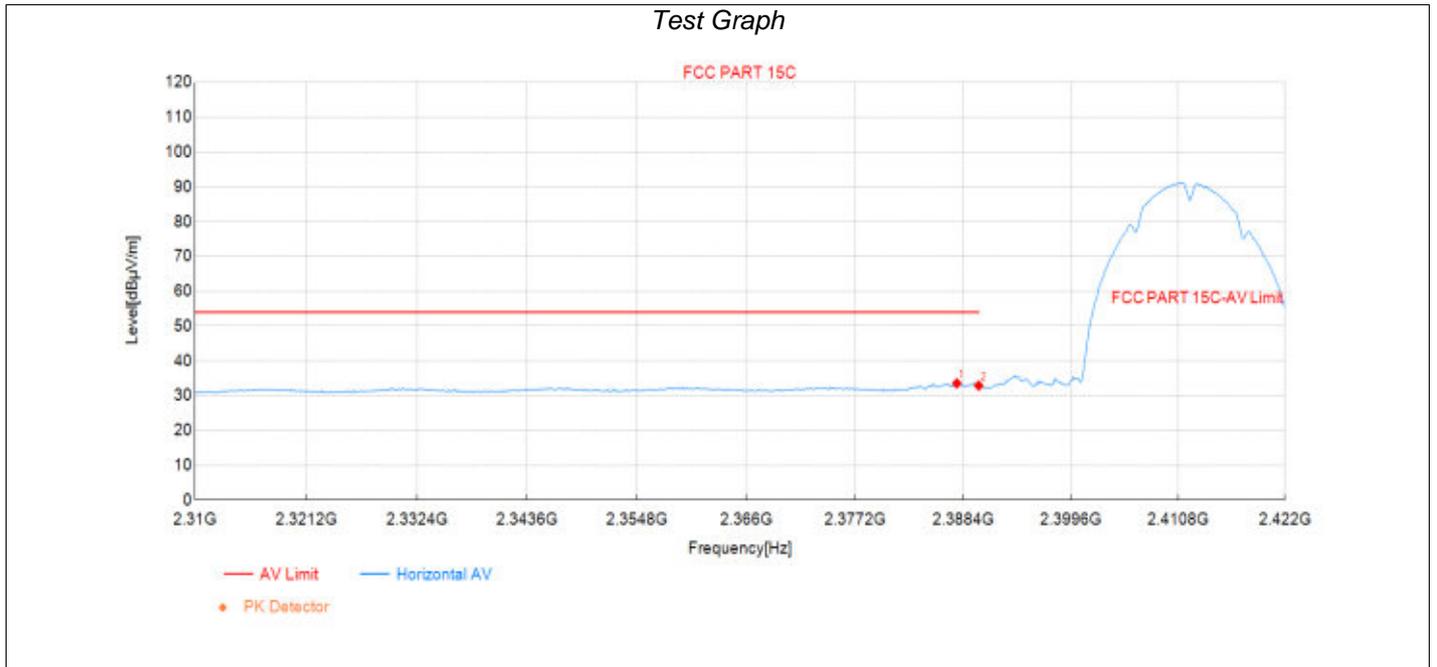
Appendix D: Test results of Band edge measurements

Transmit at 2412MHz by 802.11b



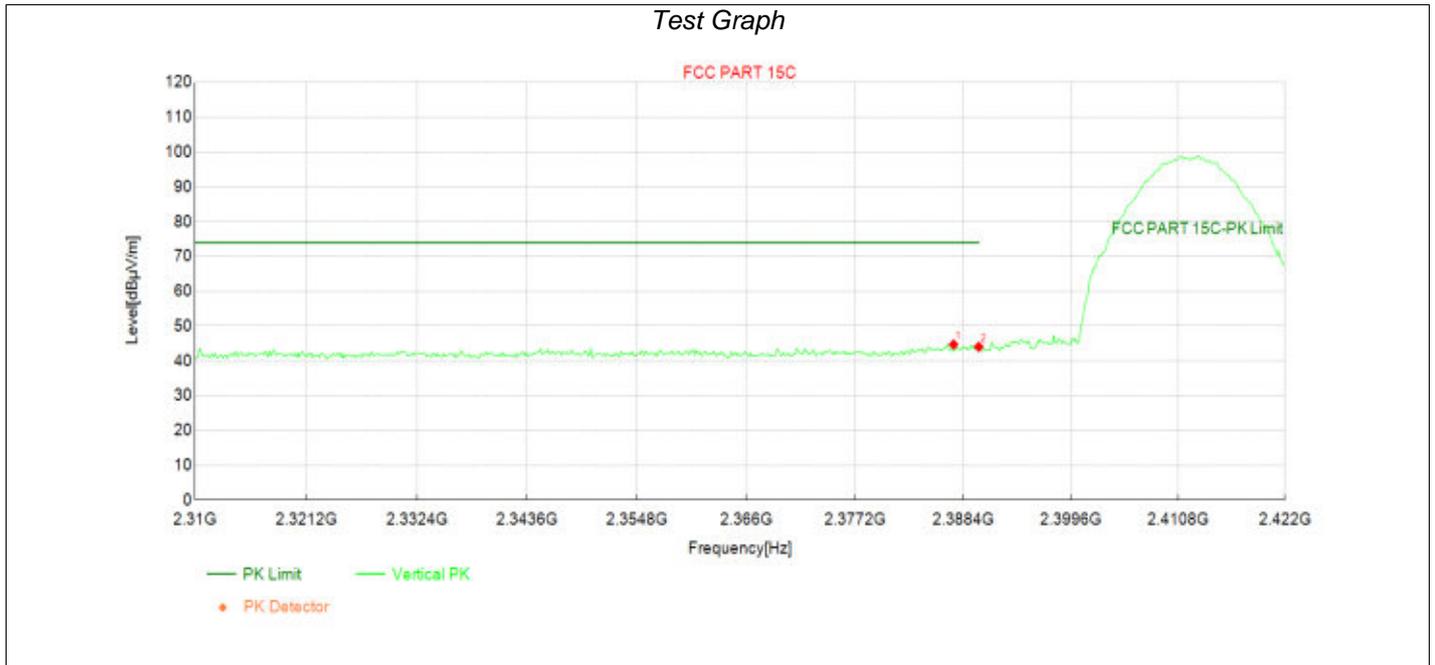
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2380.56	39.36	44.53	5.17	74.00	29.47	PK	Horizo	PASS
2	2390.00	37.86	43.09	5.23	74.00	30.91	PK	Horizo	PASS

Transmit at 2412MHz by 802.11b



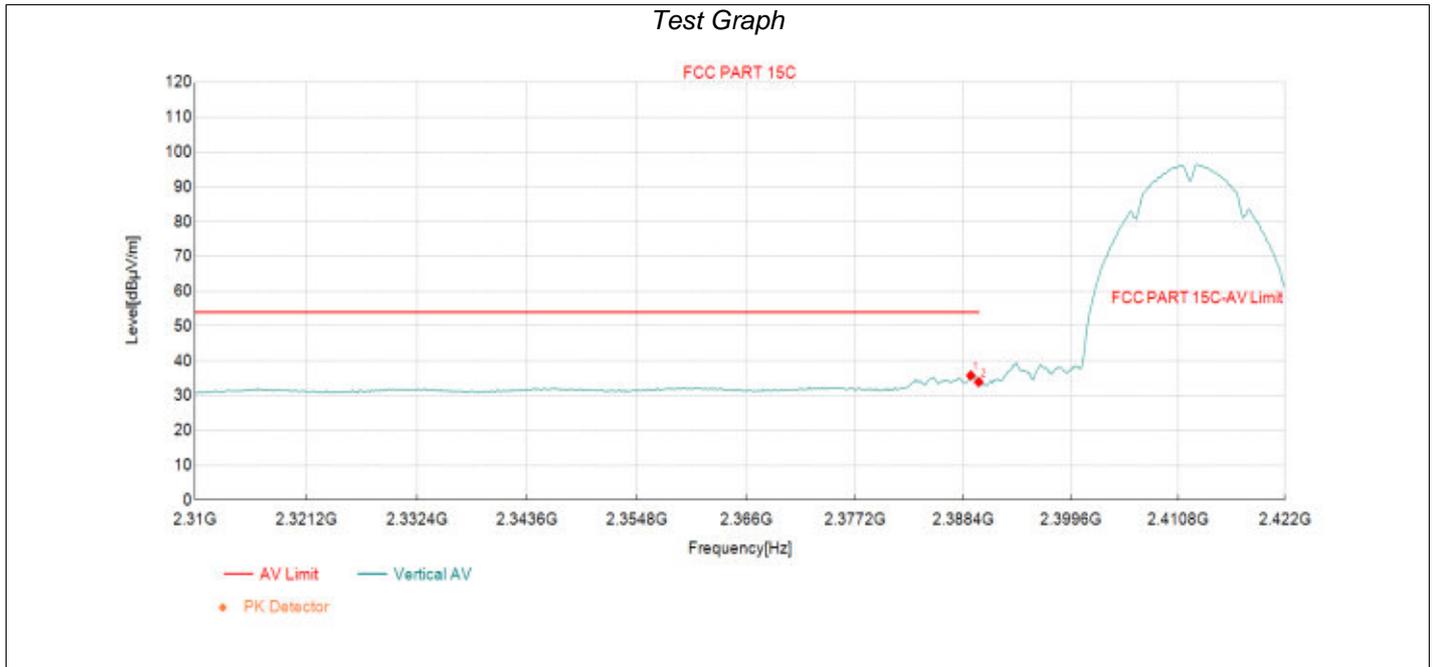
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2387.73	28.31	33.52	5.21	54.00	20.48	AV	Horizo	PASS
2	2390.00	27.64	32.87	5.23	54.00	21.13	AV	Horizo	PASS

Transmit at 2412MHz by 802.11b



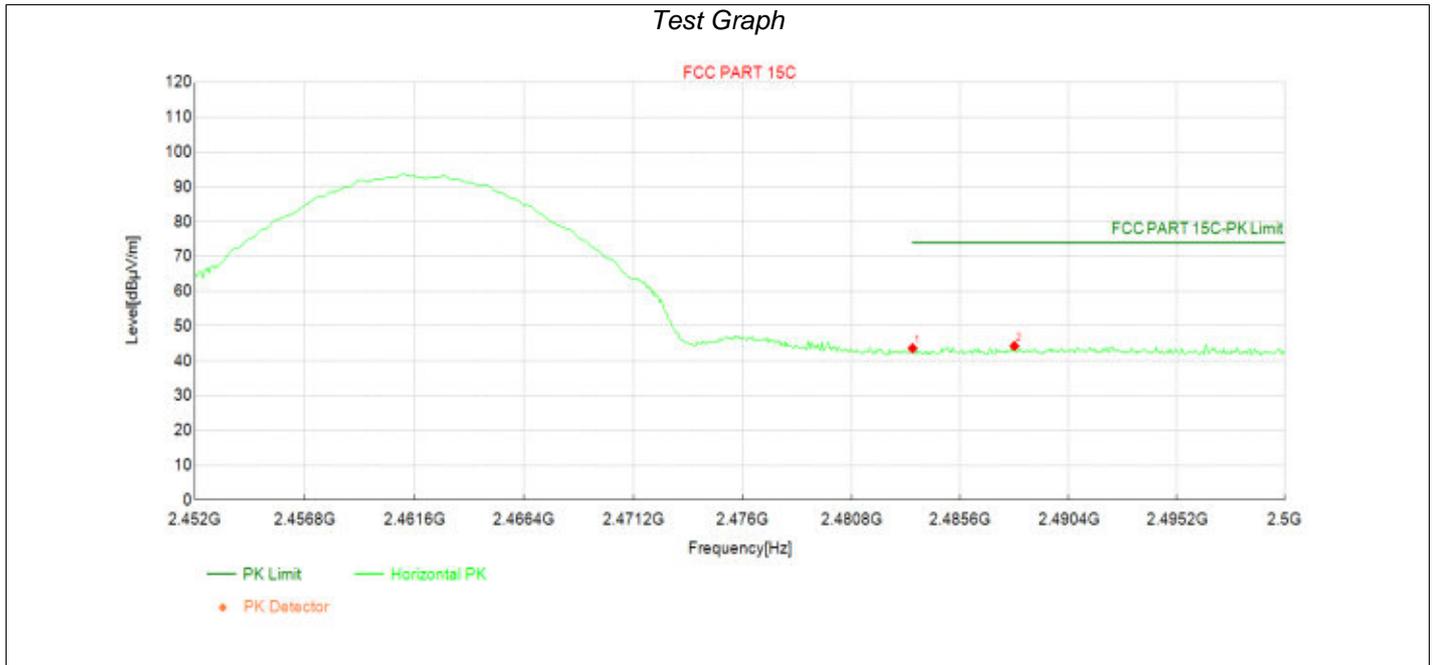
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2387.39	39.49	44.70	5.21	74.00	29.30	PK	Vertic	PASS
2	2390.00	38.81	44.04	5.23	74.00	29.96	PK	Vertic	PASS

Transmit at 2412MHz by 802.11b



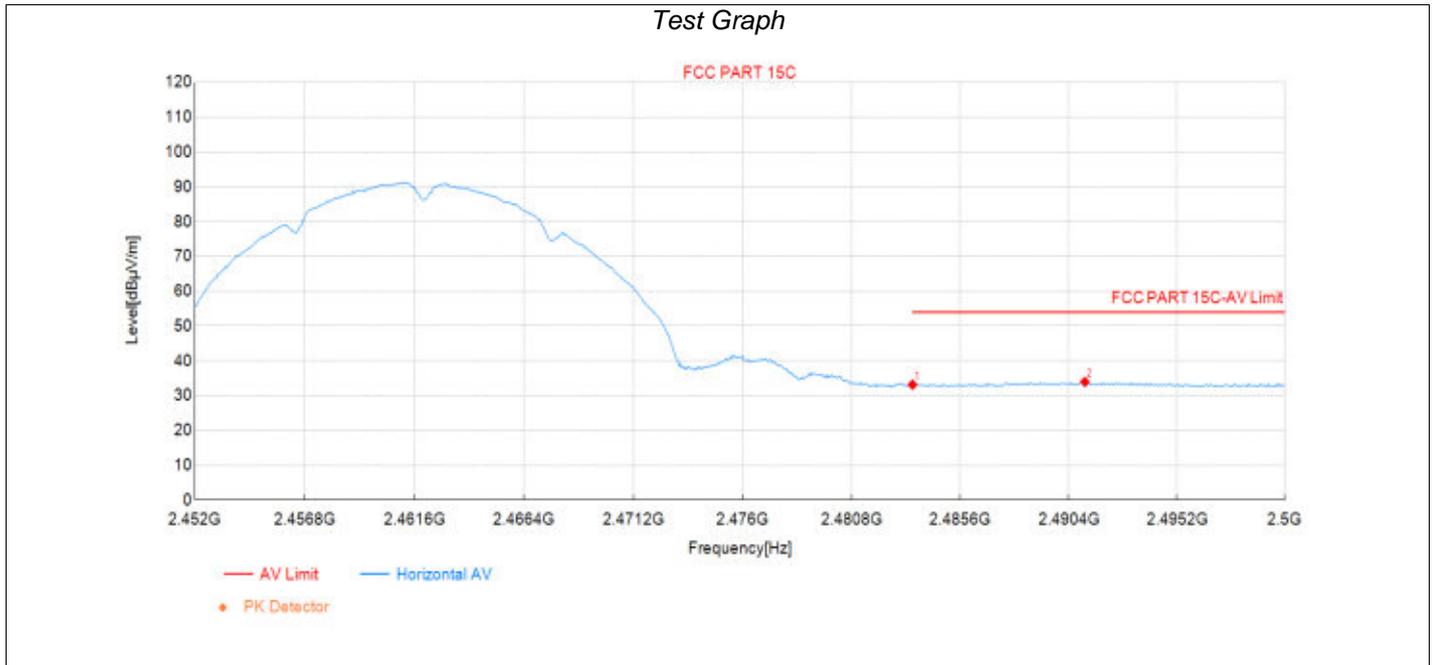
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2389.18	30.57	35.79	5.22	54.00	18.21	AV	Vertic	PASS
2	2390.00	28.68	33.91	5.23	54.00	20.09	AV	Vertic	PASS

Transmit at 2462MHz by 802.11b



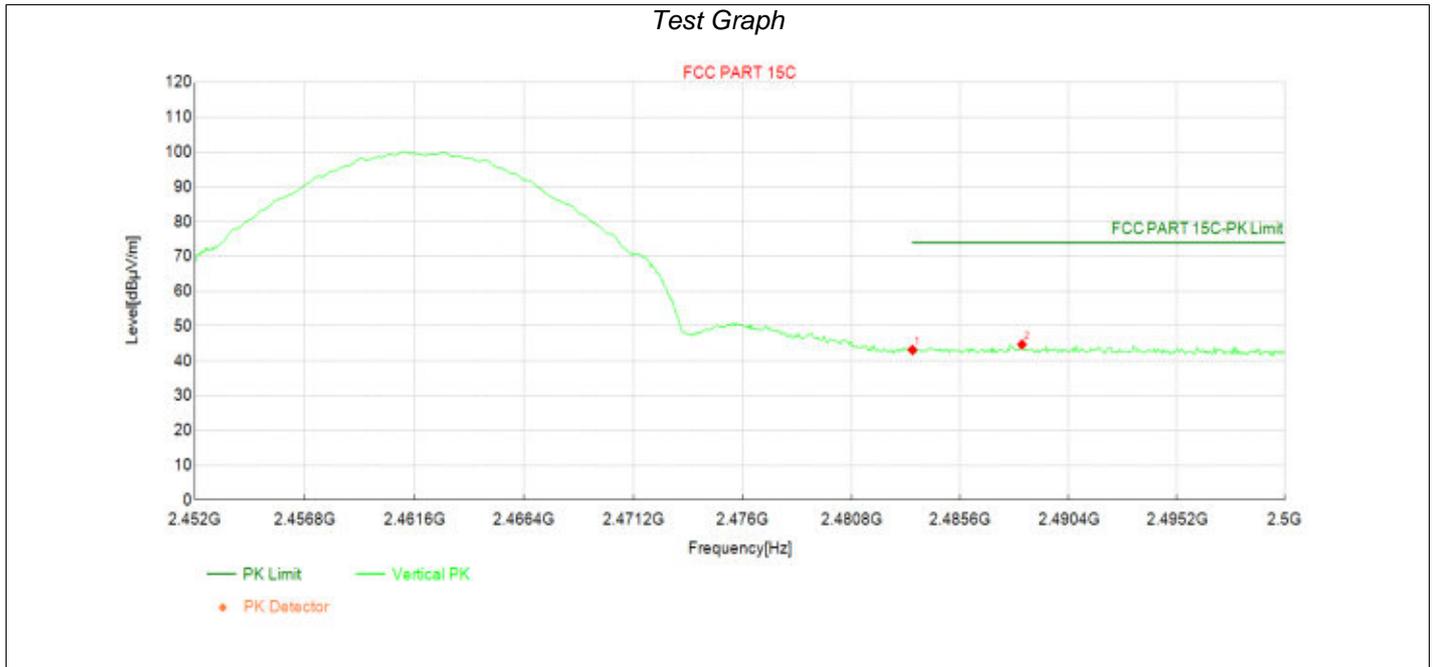
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	38.01	43.60	5.59	74.00	30.40	PK	Horizo	PASS
2	2488.00	38.64	44.25	5.61	74.00	29.75	PK	Horizo	PASS

Transmit at 2462MHz by 802.11b



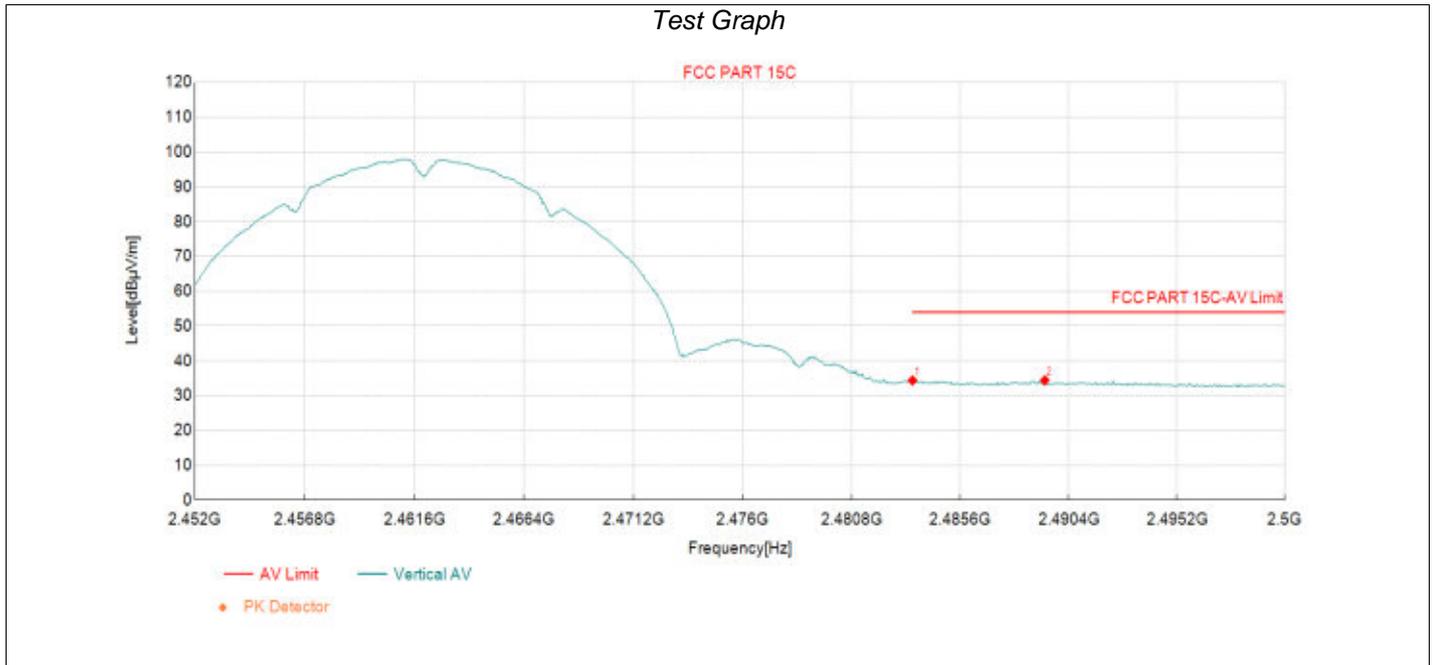
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	27.56	33.15	5.59	54.00	20.85	AV	Horizo	PASS
2	2491.12	28.32	33.95	5.63	54.00	20.05	AV	Horizo	PASS

Transmit at 2462MHz by 802.11b



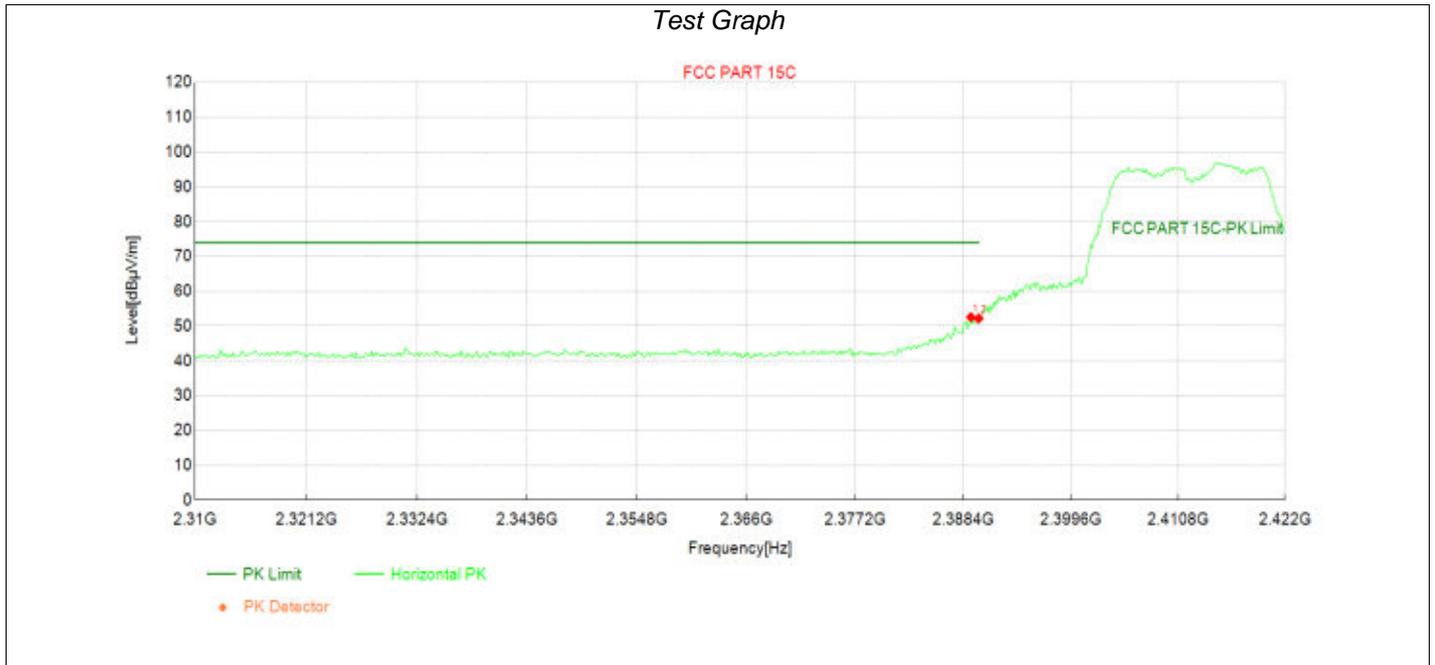
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	37.55	43.14	5.59	74.00	30.86	PK	Vertic	PASS
2	2488.34	39.10	44.71	5.61	74.00	29.29	PK	Vertic	PASS

Transmit at 2462MHz by 802.11b



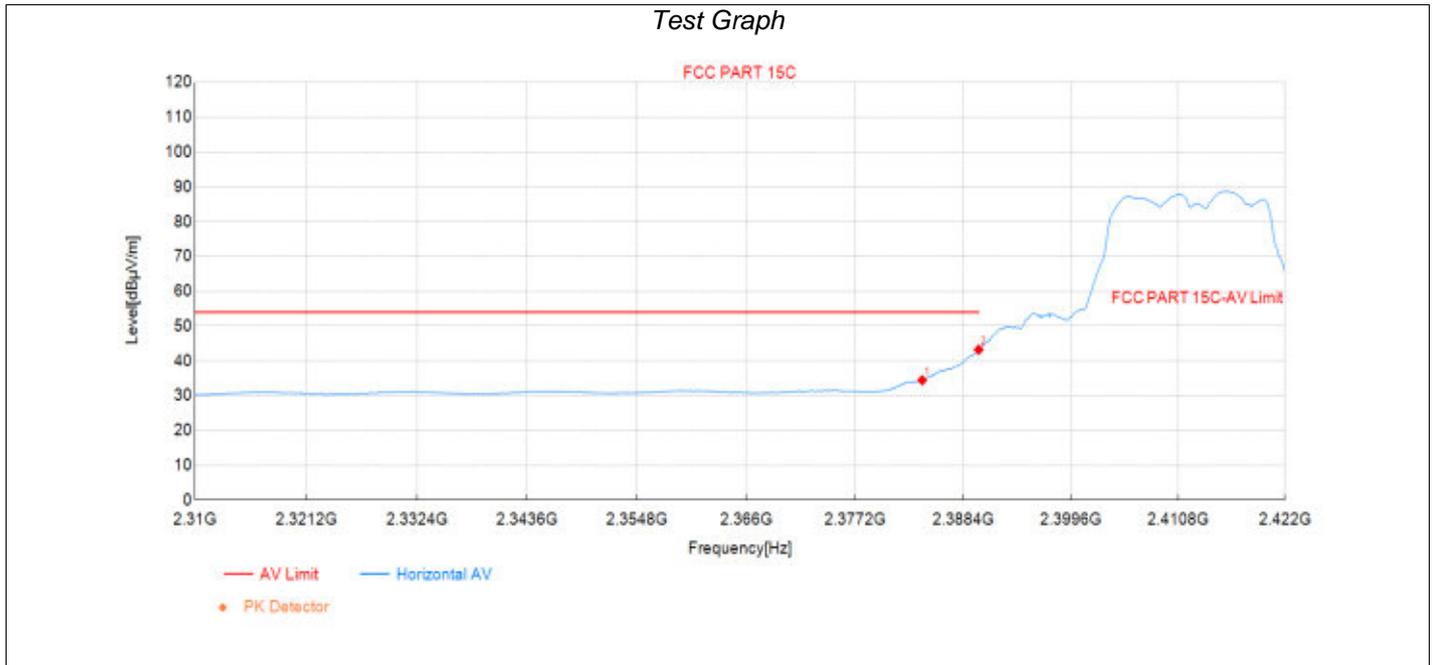
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	28.78	34.37	5.59	54.00	19.63	AV	Vertic	PASS
2	2489.34	28.79	34.41	5.62	54.00	19.59	AV	Vertic	PASS

Transmit at 2412MHz by 802.11g



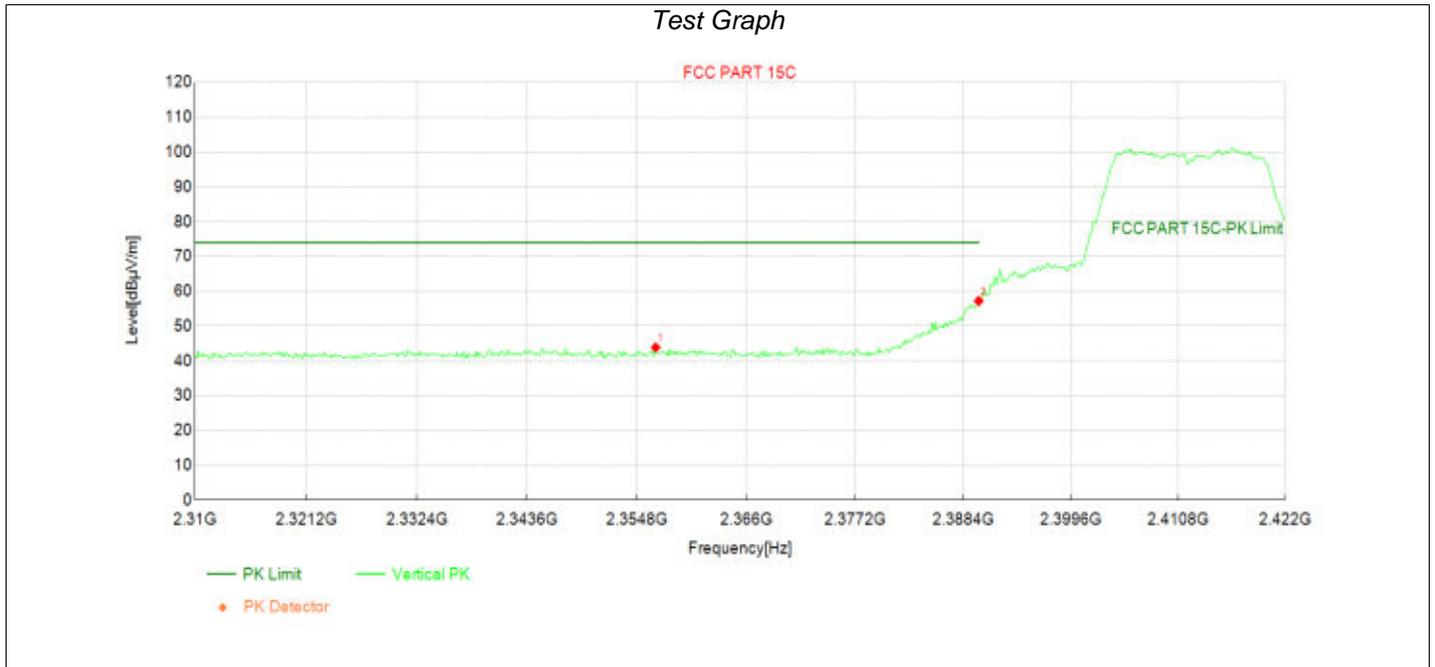
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2389.18	47.34	52.56	5.22	74.00	21.44	PK	Horizo	PASS
2	2390.00	46.96	52.19	5.23	74.00	21.81	PK	Horizo	PASS

Transmit at 2412MHz by 802.11g



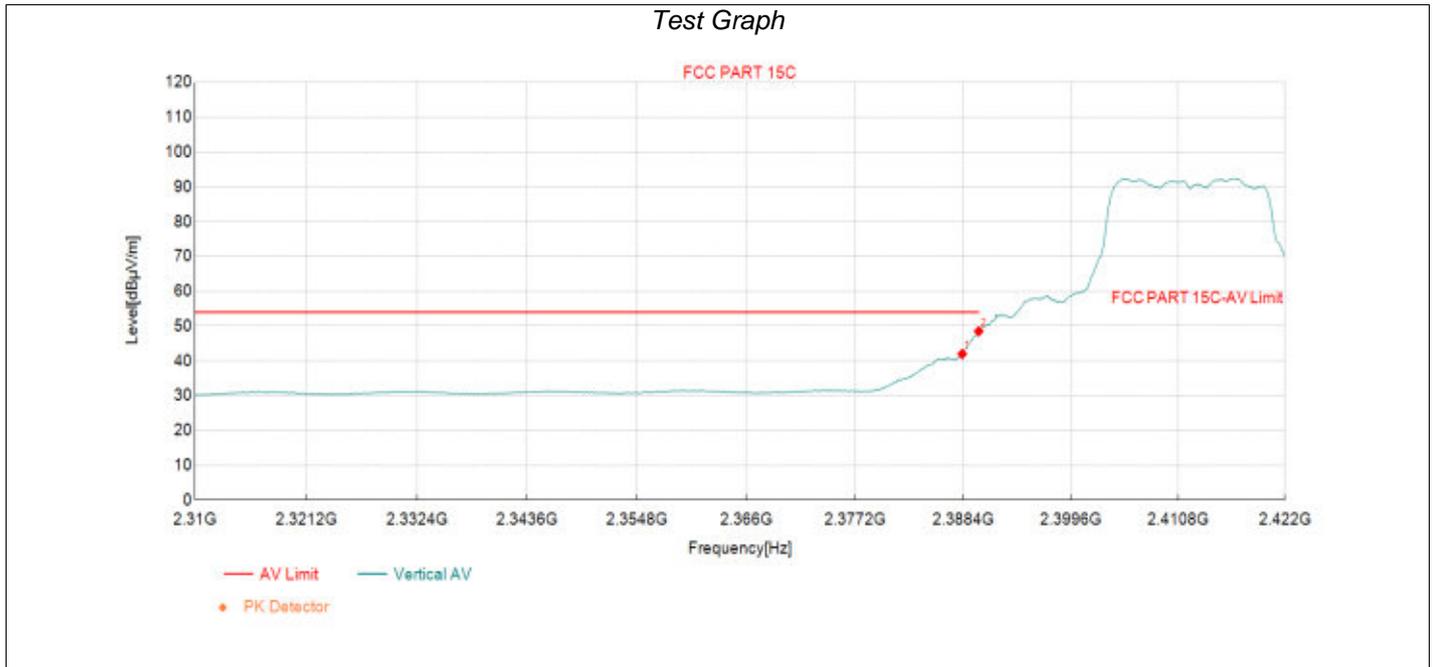
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2384.14	29.25	34.44	5.19	54.00	19.56	AV	Horizo	PASS
2	2390.00	37.98	43.21	5.23	54.00	10.79	AV	Horizo	PASS

Transmit at 2412MHz by 802.11g



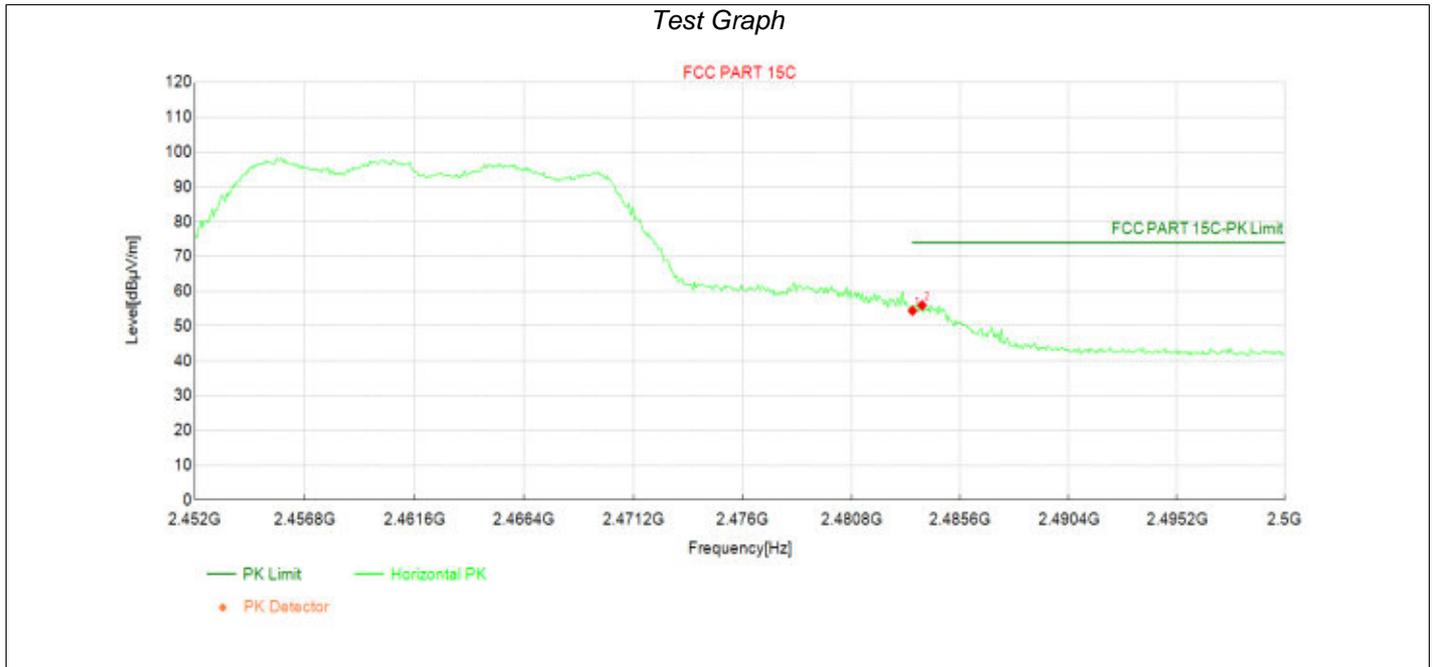
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2356.70	38.83	43.85	5.02	74.00	30.15	PK	Vertic	PASS
2	2390.00	51.98	57.21	5.23	74.00	16.79	PK	Vertic	PASS

Transmit at 2412MHz by 802.11g



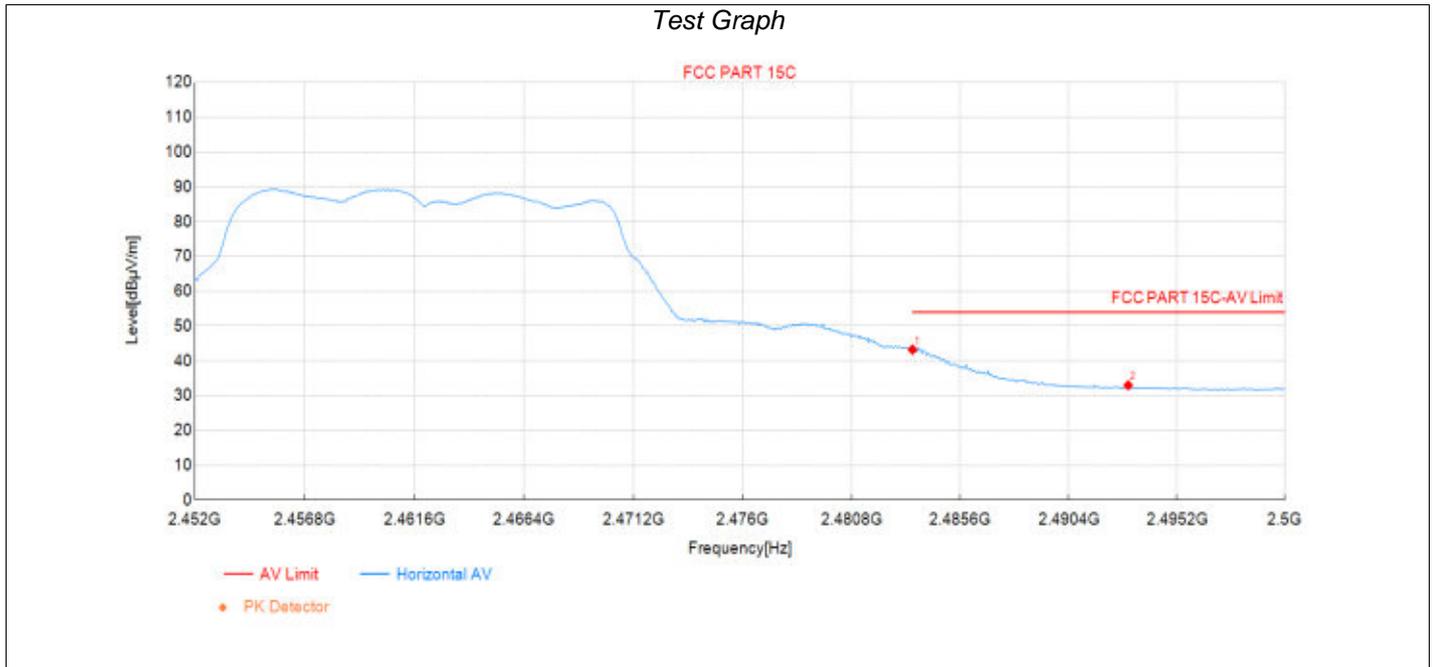
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2388.29	36.78	42.00	5.22	54.00	12.00	AV	Vertic	PASS
2	2390.00	43.27	48.50	5.23	54.00	5.50	AV	Vertic	PASS

Transmit at 2462MHz by 802.11g



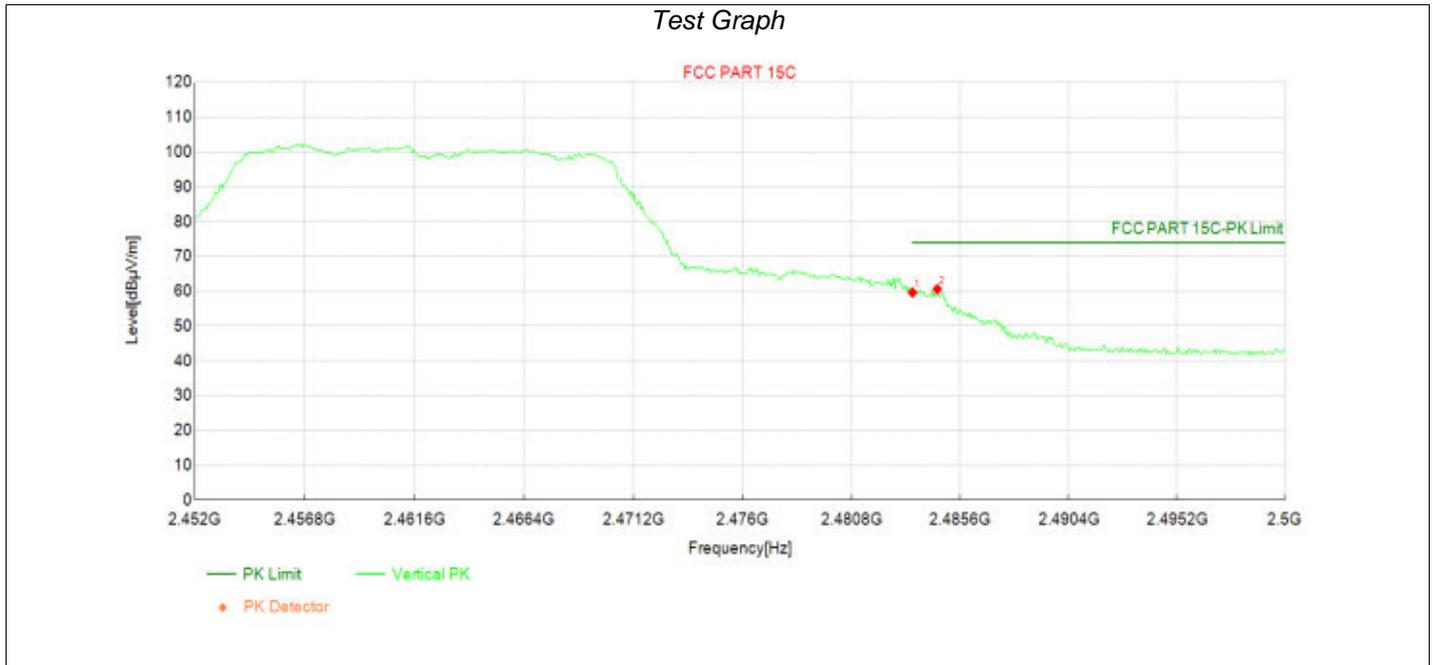
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	48.81	54.40	5.59	74.00	19.60	PK	Horizo	PASS
2	2483.92	50.38	55.97	5.59	74.00	18.03	PK	Horizo	PASS

Transmit at 2462MHz by 802.11g



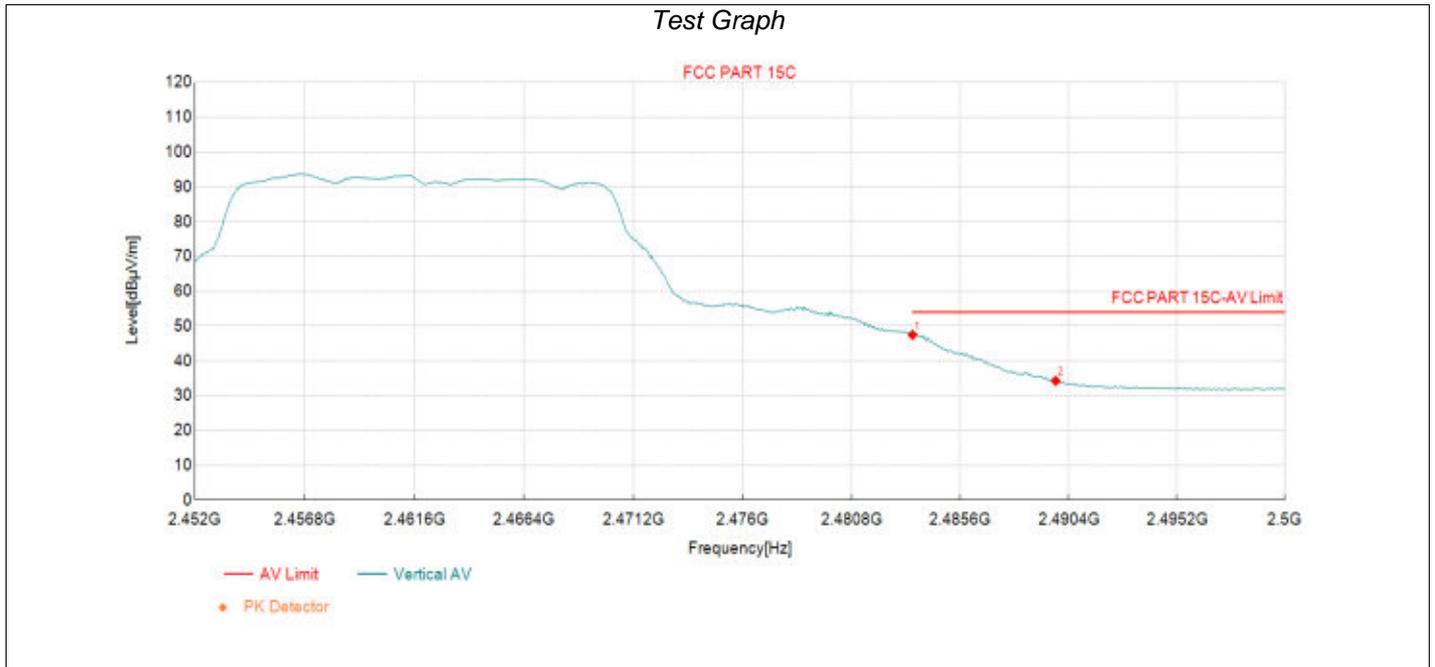
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	37.64	43.23	5.59	54.00	10.77	AV	Horizo	PASS
2	2493.04	27.35	32.98	5.63	54.00	21.02	AV	Horizo	PASS

Transmit at 2462MHz by 802.11g



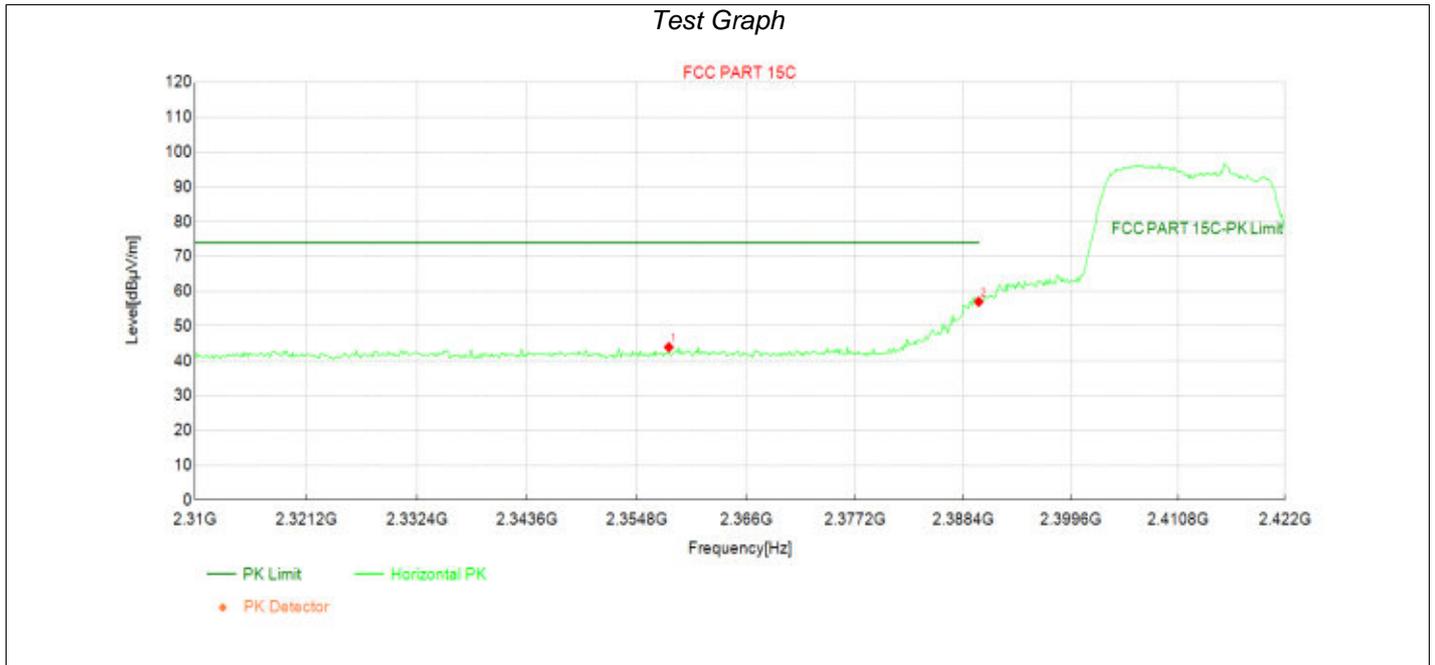
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	54.02	59.61	5.59	74.00	14.39	PK	Vertic	PASS
2	2484.59	55.00	60.61	5.61	74.00	13.39	PK	Vertic	PASS

Transmit at 2462MHz by 802.11g



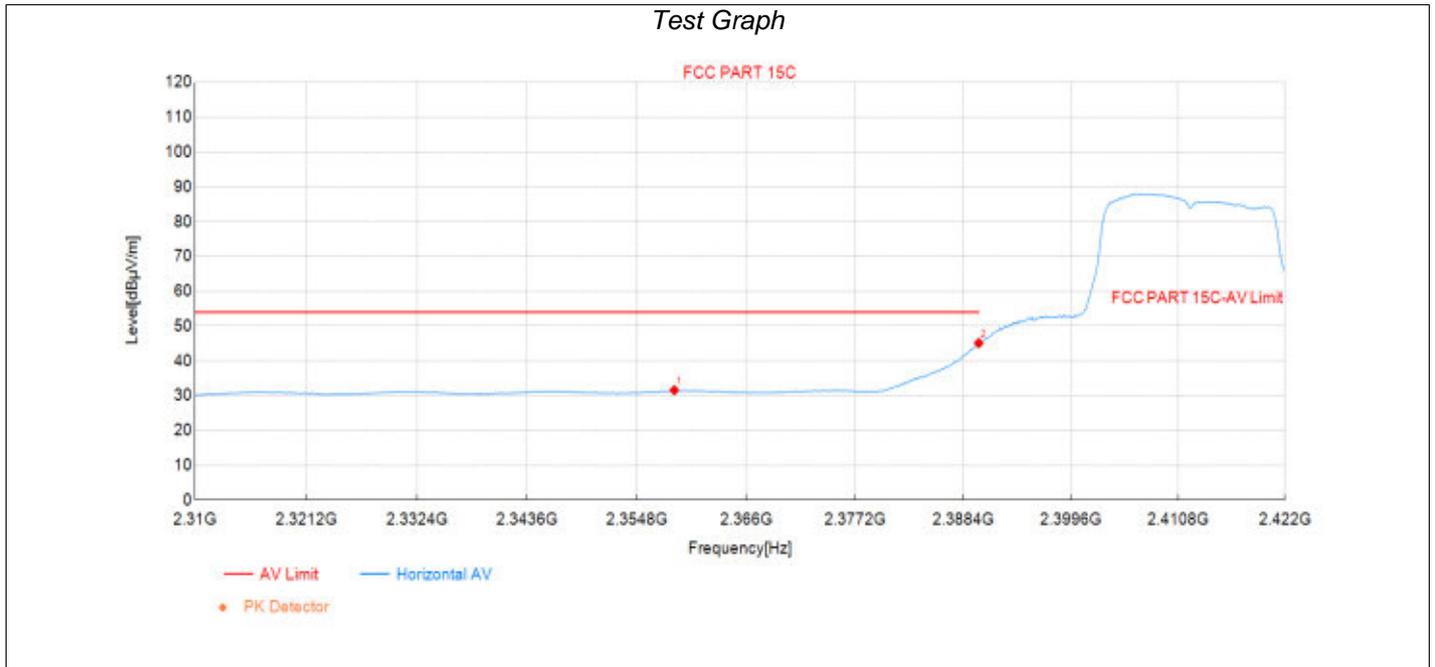
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	41.86	47.45	5.59	54.00	6.55	AV	Vertic	PASS
2	2489.82	28.64	34.26	5.62	54.00	19.74	AV	Vertic	PASS

Transmit at 2412MHz by 802.11n(20MHz)



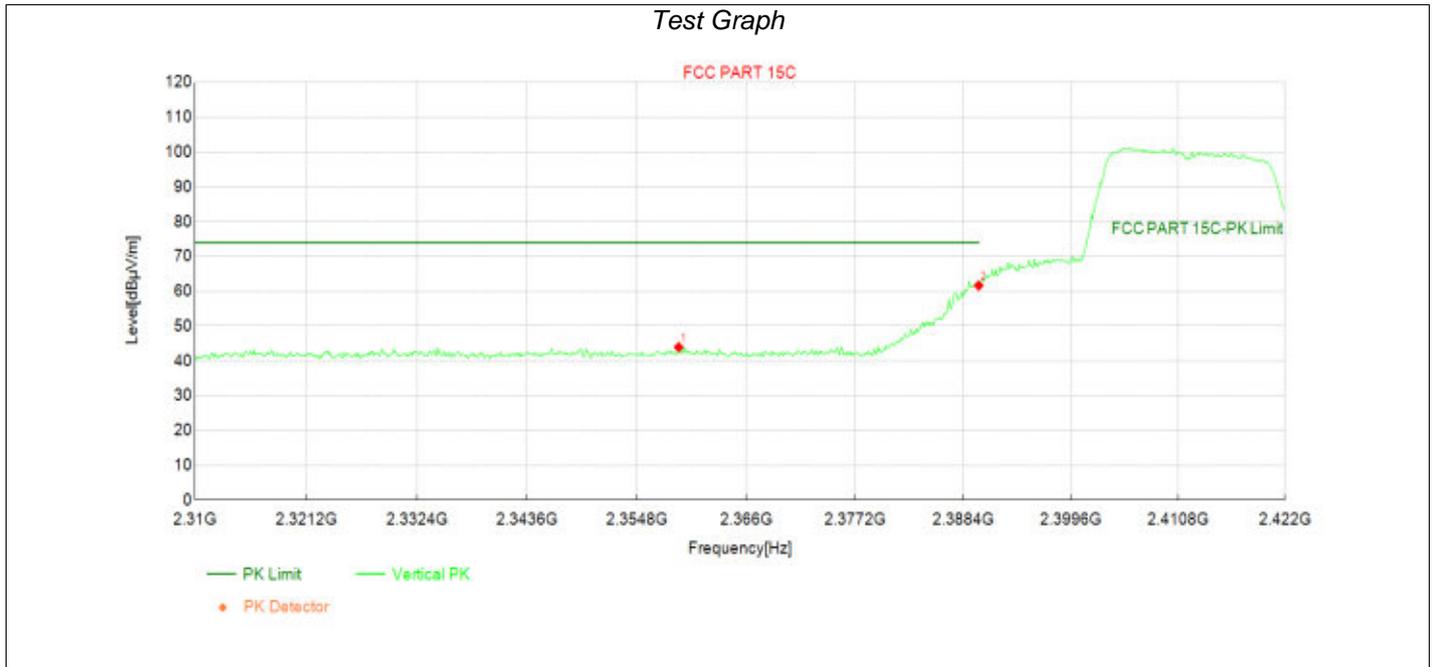
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2358.05	38.89	43.92	5.03	74.00	30.08	PK	Horizo	PASS
2	2390.00	51.75	56.98	5.23	74.00	17.02	PK	Horizo	PASS

Transmit at 2412MHz by 802.11n(20MHz)



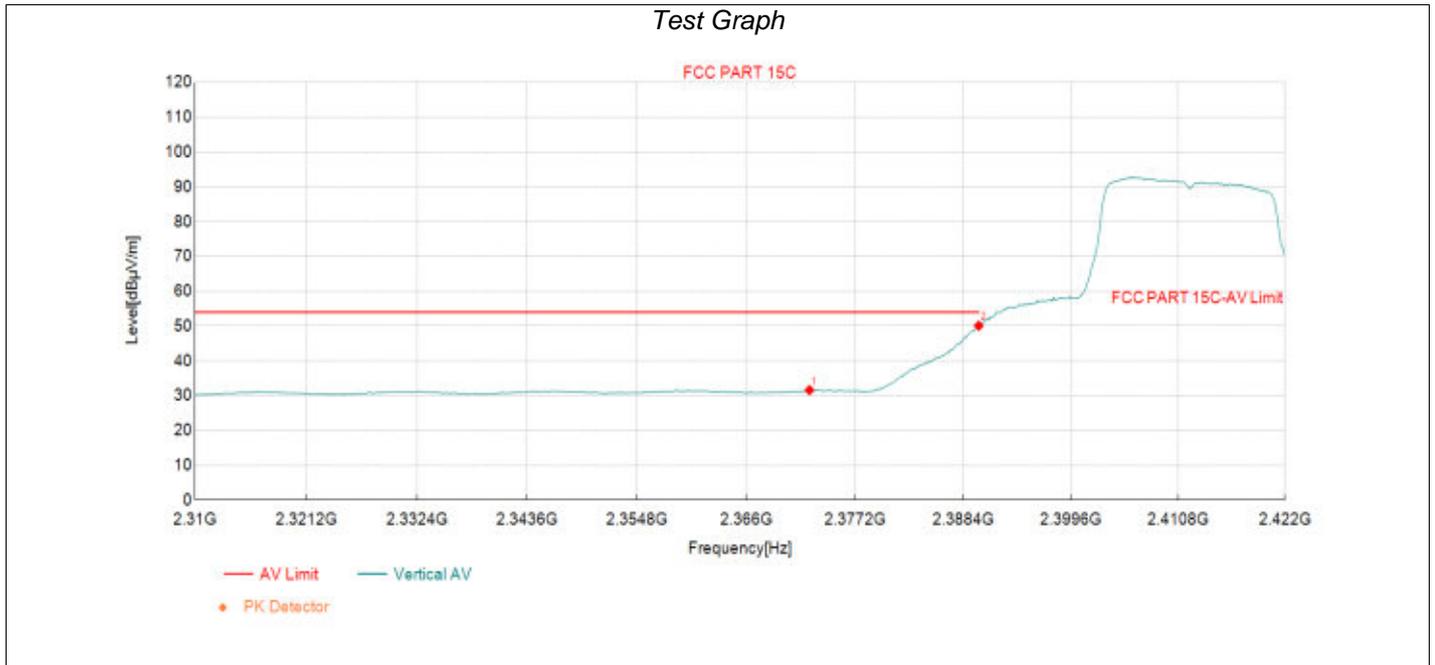
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2358.61	26.55	31.58	5.03	54.00	22.42	AV	Horizo	PASS
2	2390.00	39.88	45.11	5.23	54.00	8.89	AV	Horizo	PASS

Transmit at 2412MHz by 802.11n(20MHz)



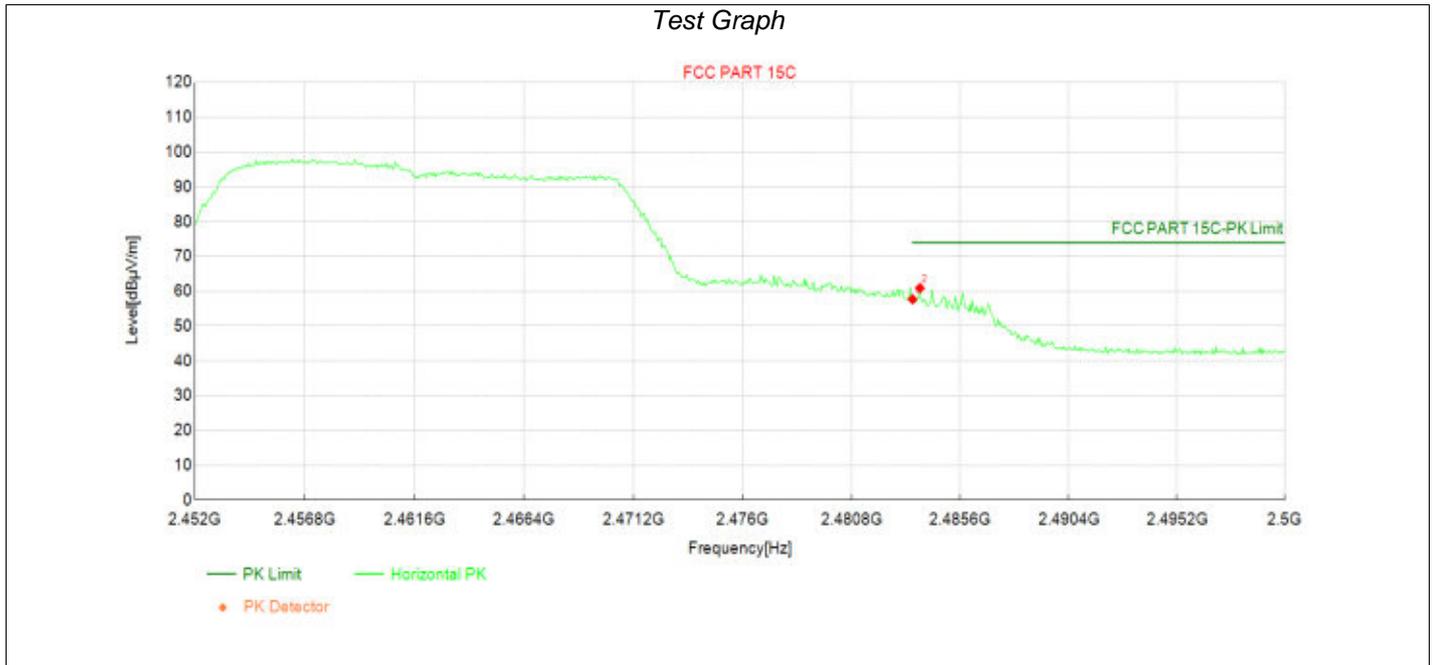
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2359.06	38.90	43.93	5.03	74.00	30.07	PK	Vertic	PASS
2	2390.00	56.42	61.65	5.23	74.00	12.35	PK	Vertic	PASS

Transmit at 2412MHz by 802.11n(20MHz)



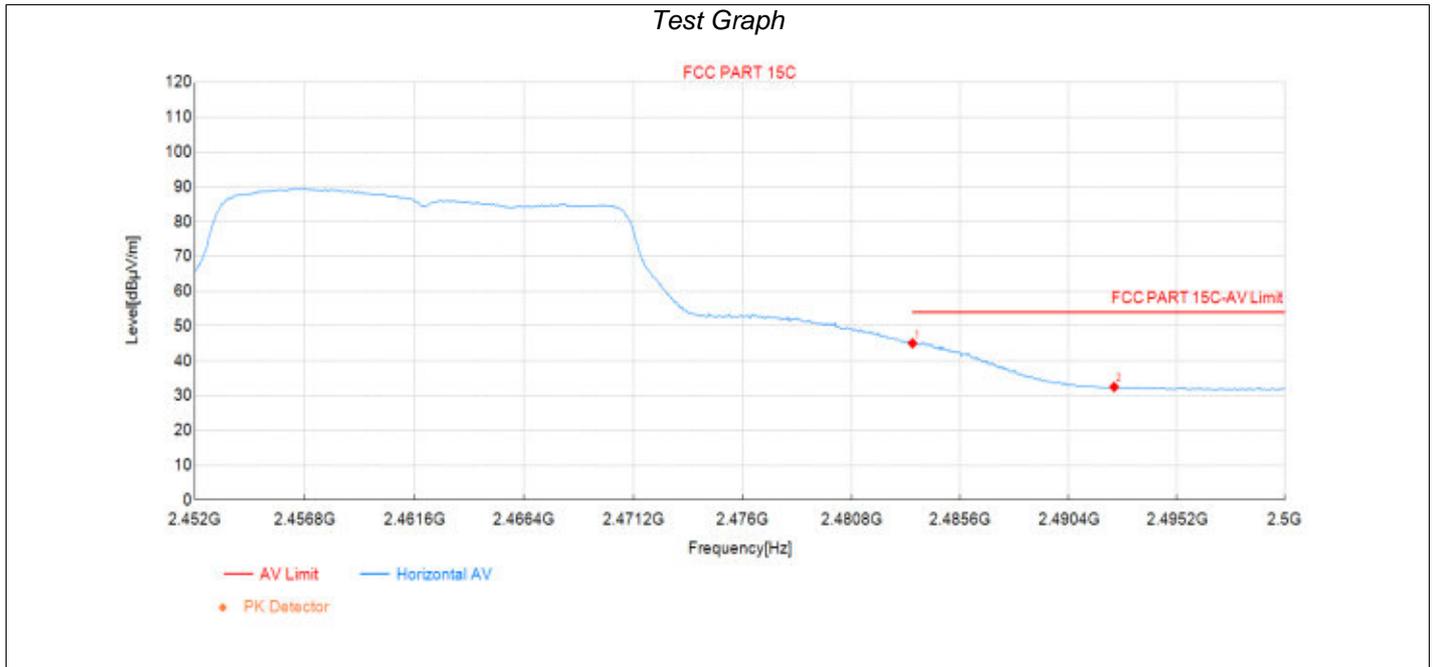
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2372.50	26.47	31.59	5.12	54.00	22.41	AV	Vertic	PASS
2	2390.00	44.86	50.09	5.23	54.00	3.91	AV	Vertic	PASS

Transmit at 2462MHz by 802.11n(20MHz)



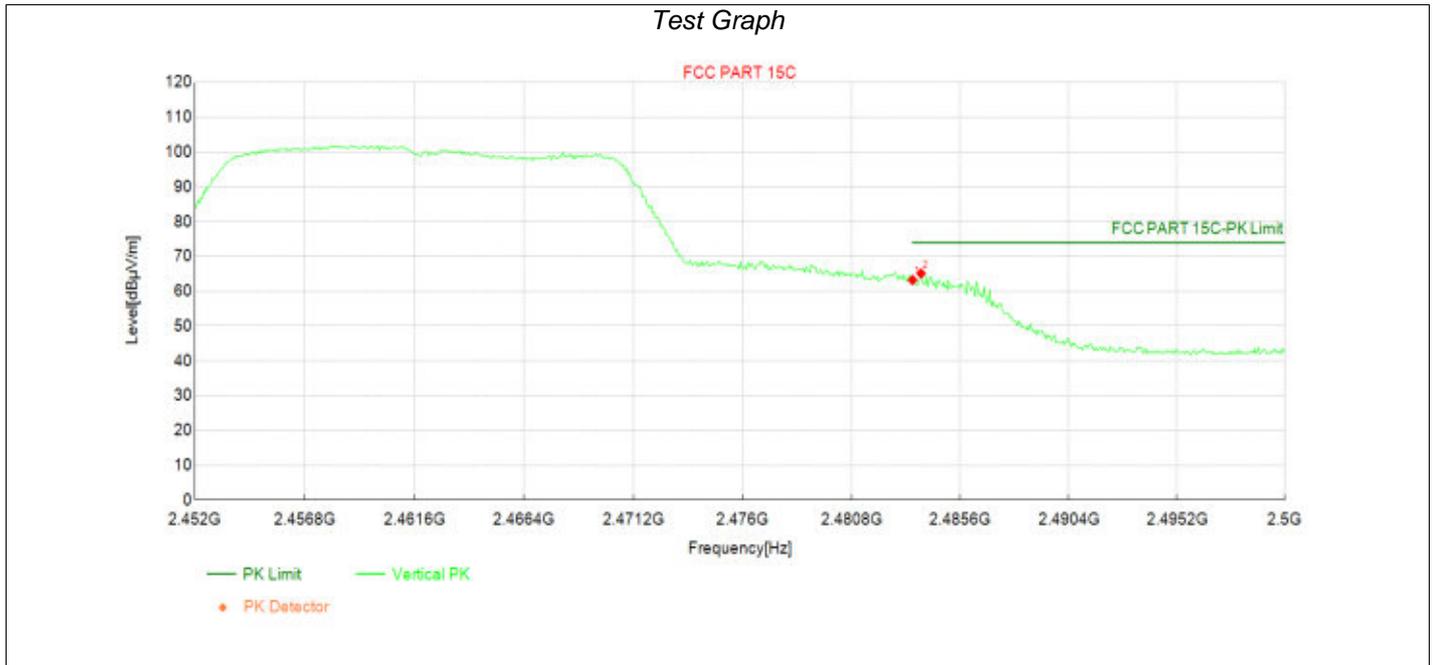
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	52.11	57.70	5.59	74.00	16.30	PK	Horizo	PASS
2	2483.82	55.32	60.91	5.59	74.00	13.09	PK	Horizo	PASS

Transmit at 2462MHz by 802.11n(20MHz)



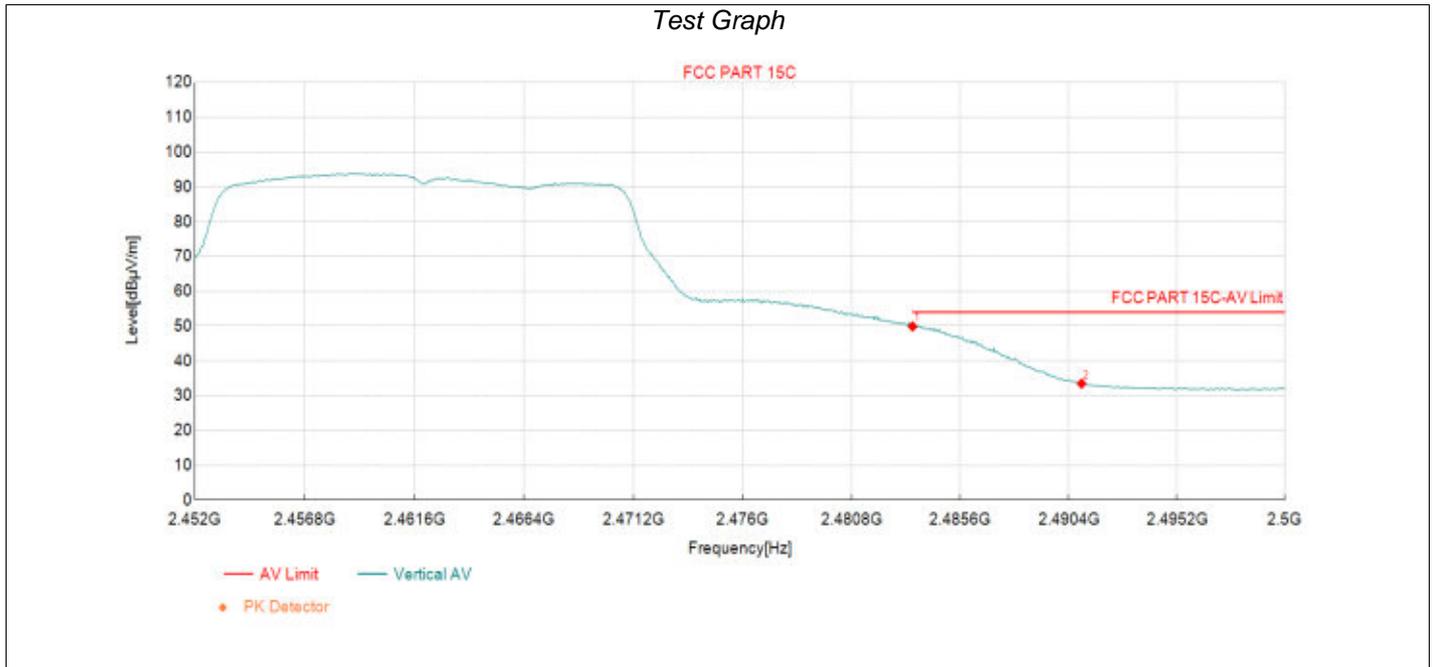
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	39.44	45.03	5.59	54.00	8.97	AV	Horizo	PASS
2	2492.42	26.87	32.50	5.63	54.00	21.50	AV	Horizo	PASS

Transmit at 2462MHz by 802.11n(20MHz)



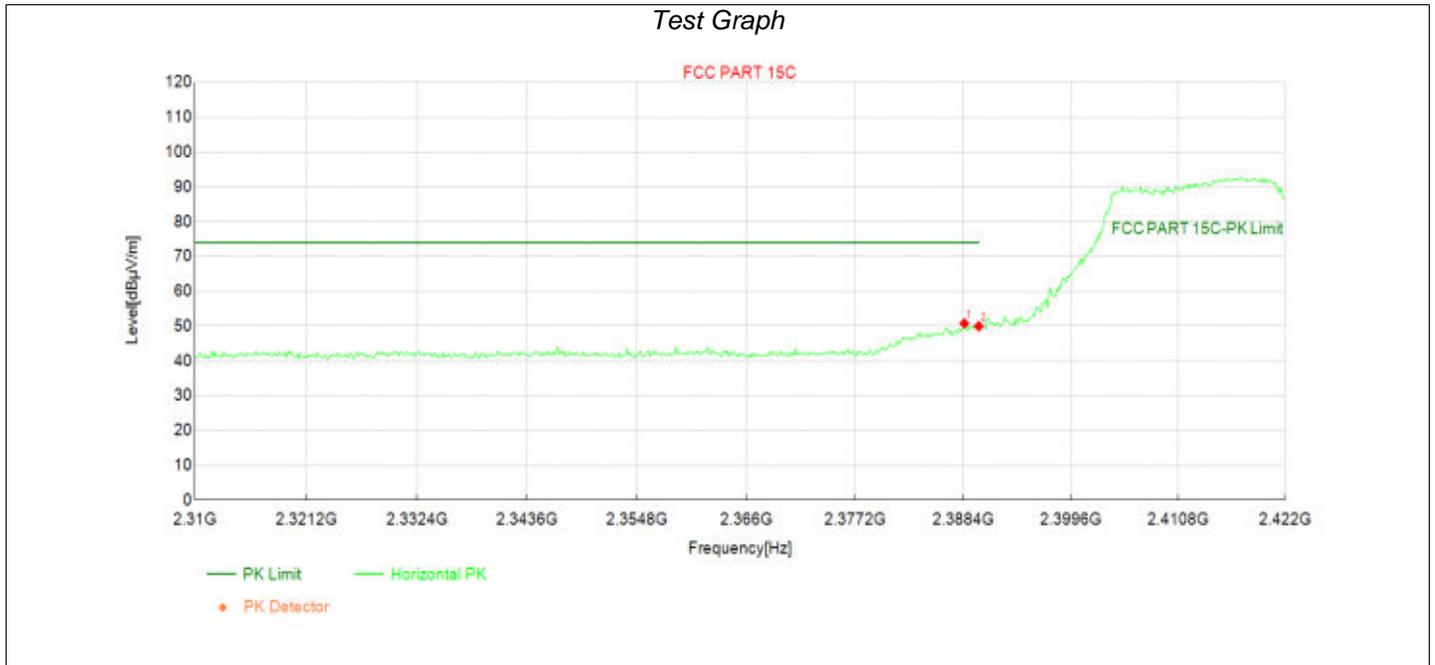
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	57.63	63.22	5.59	74.00	10.78	PK	Vertic	PASS
2	2483.87	59.52	65.11	5.59	74.00	8.89	PK	Vertic	PASS

Transmit at 2462MHz by 802.11n(20MHz)



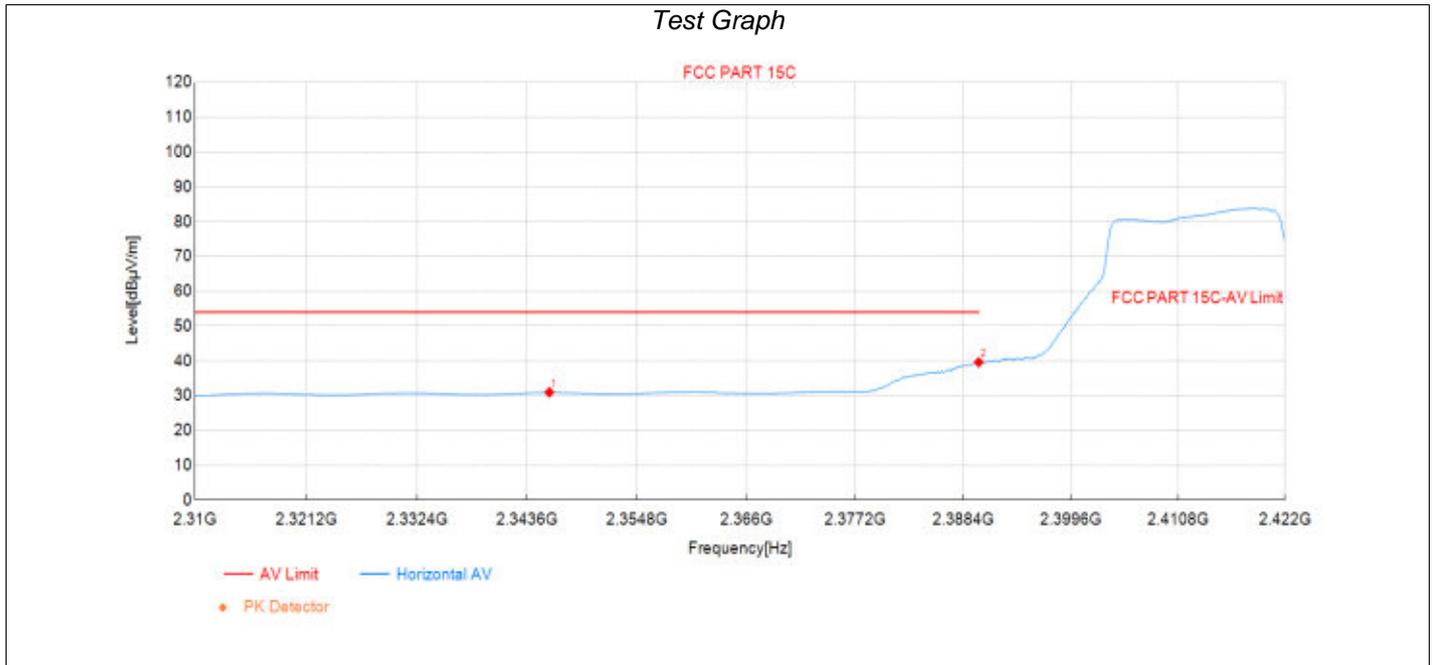
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	44.30	49.89	5.59	54.00	4.11	AV	Vertic	PASS
2	2490.98	27.83	33.46	5.63	54.00	20.54	AV	Vertic	PASS

Transmit at 2422MHz by 802.11n(40MHz)



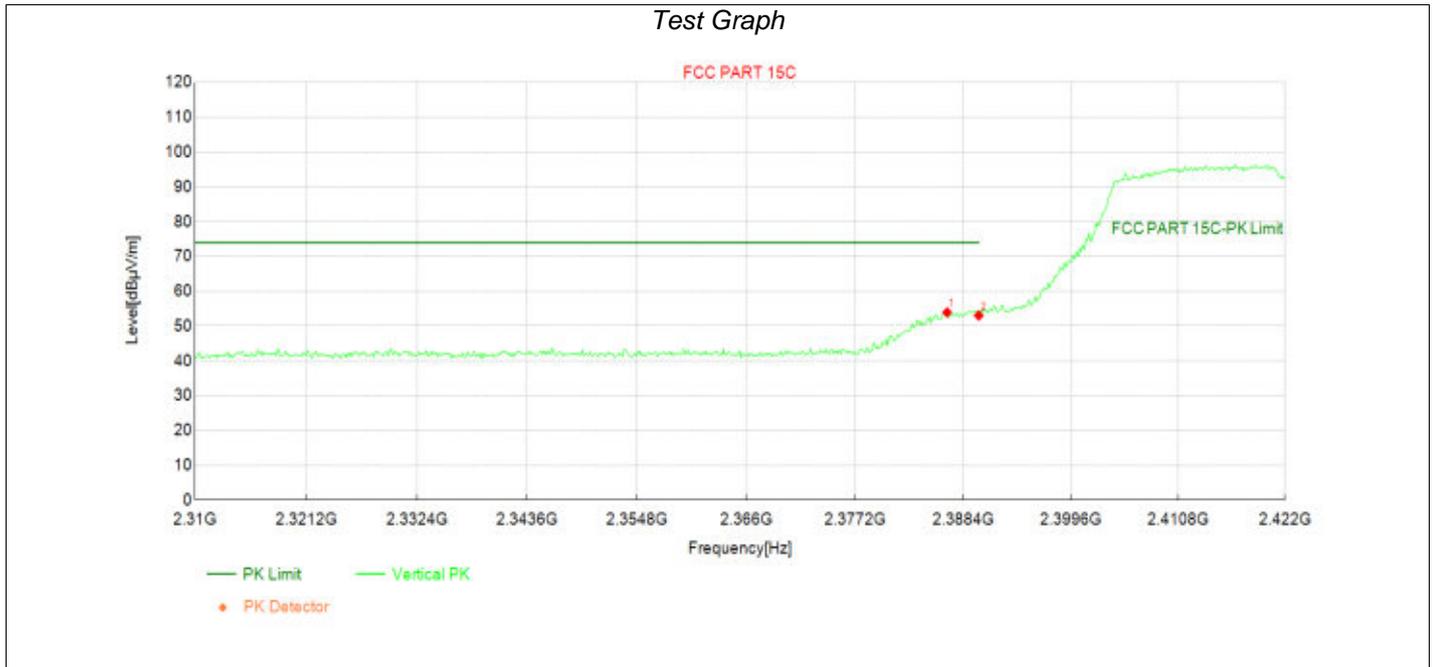
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2388.51	45.53	50.75	5.22	74.00	23.25	PK	Horizo	PASS
2	2390.00	44.71	49.94	5.23	74.00	24.06	PK	Horizo	PASS

Transmit at 2422MHz by 802.11n(40MHz)



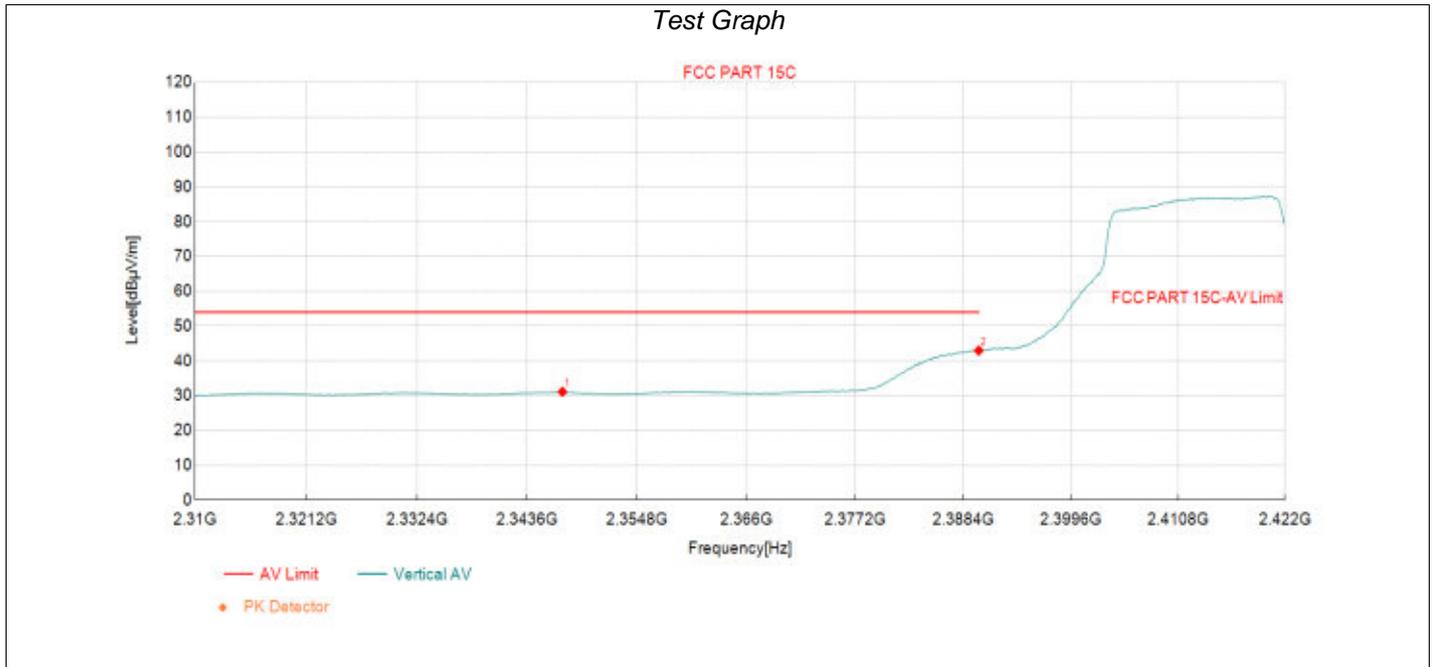
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2345.84	26.01	30.96	4.95	54.00	23.04	AV	Horizo	PASS
2	2390.00	34.36	39.59	5.23	54.00	14.41	AV	Horizo	PASS

Transmit at 2422MHz by 802.11n(40MHz)



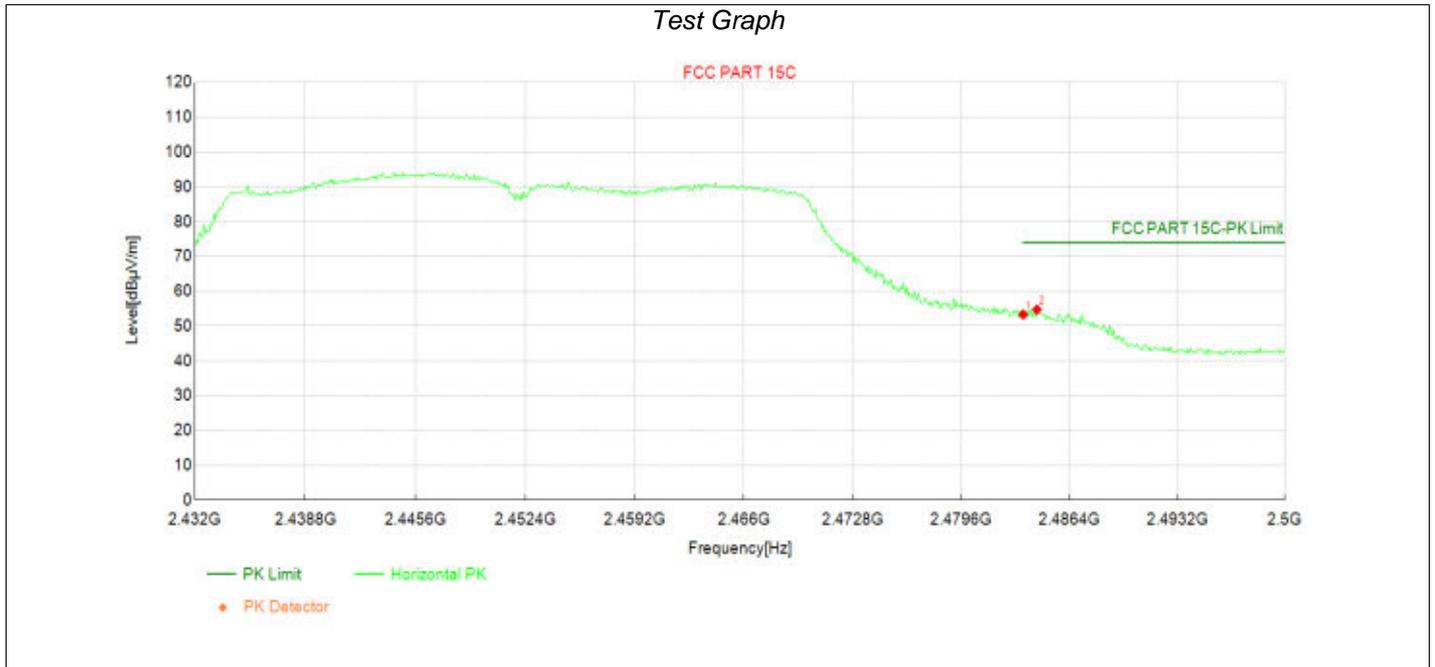
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2386.72	48.72	53.93	5.21	74.00	20.07	PK	Vertic	PASS
2	2390.00	47.79	53.02	5.23	74.00	20.98	PK	Vertic	PASS

Transmit at 2422MHz by 802.11n(40MHz)



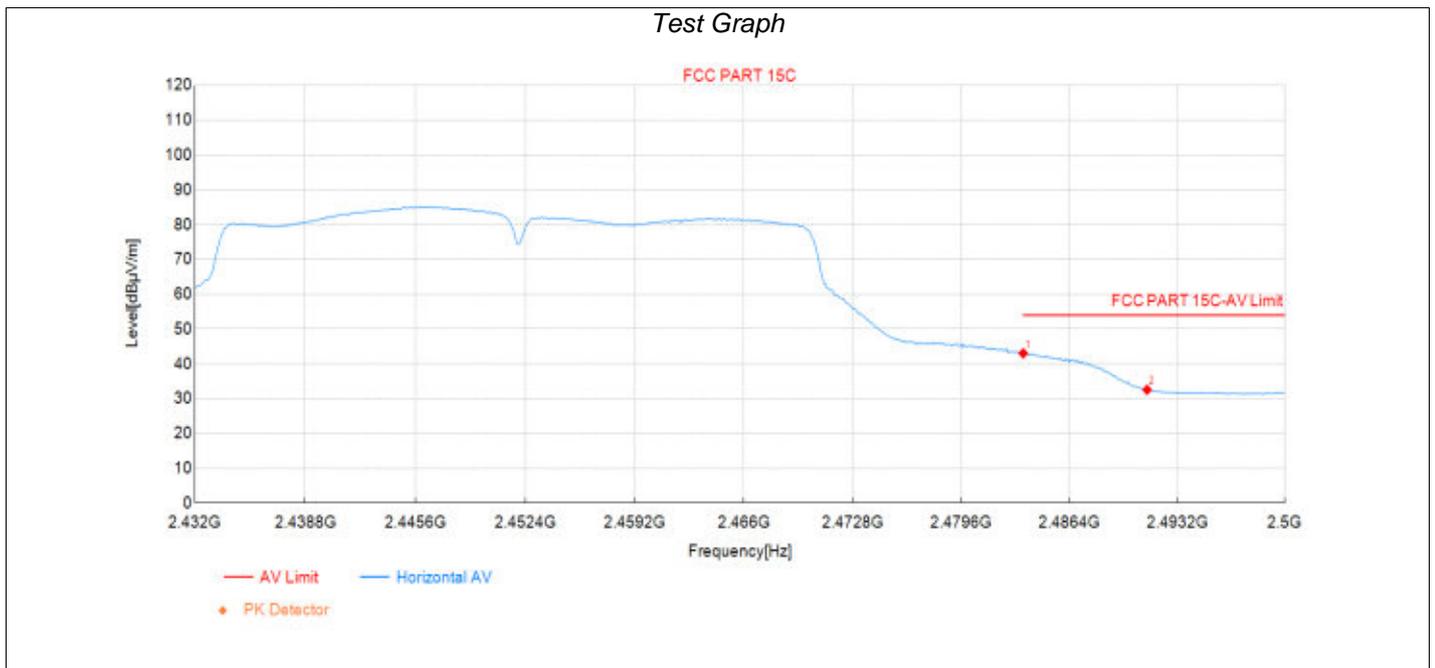
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2347.18	26.15	31.11	4.96	54.00	22.89	AV	Vertic	PASS
2	2390.00	37.74	42.97	5.23	54.00	11.03	AV	Vertic	PASS

Transmit at 2452MHz by 802.11n(40MHz)



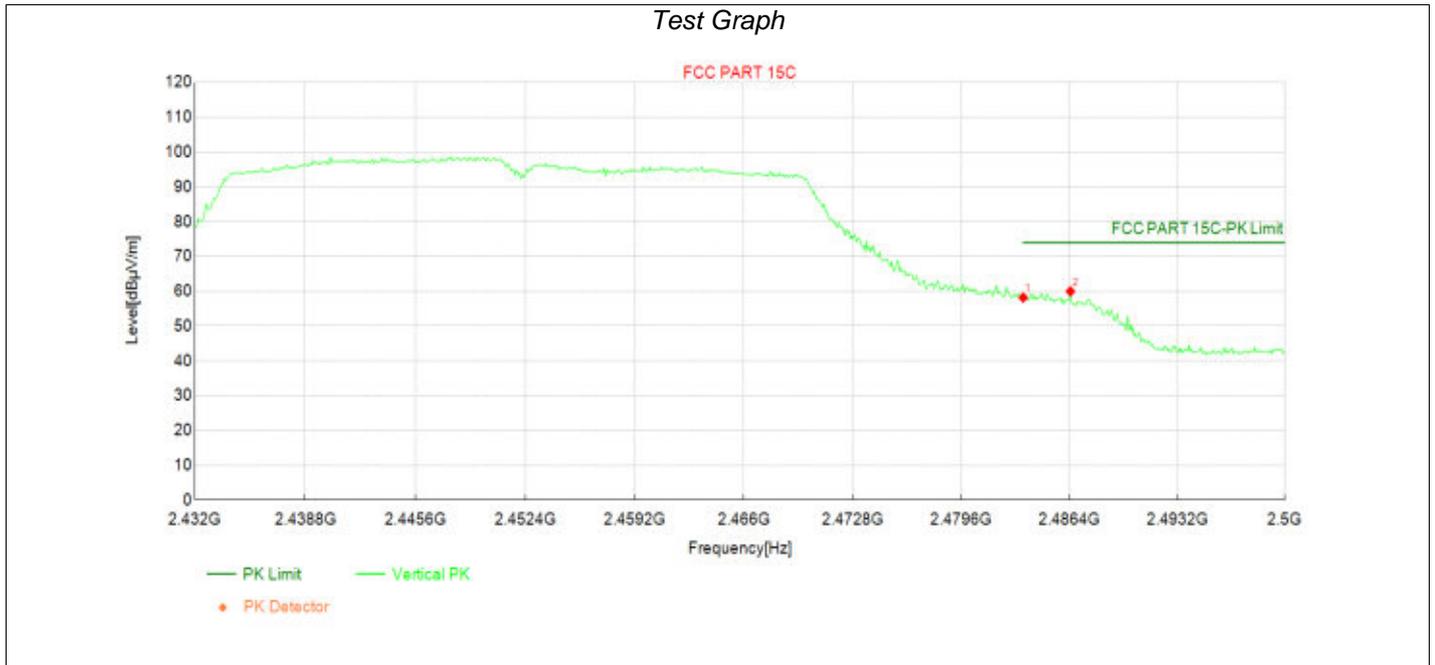
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	47.72	53.31	5.59	74.00	20.69	PK	Horizo	PASS
2	2484.36	49.14	54.74	5.60	74.00	19.26	PK	Horizo	PASS

Transmit at 2452MHz by 802.11n(40MHz)



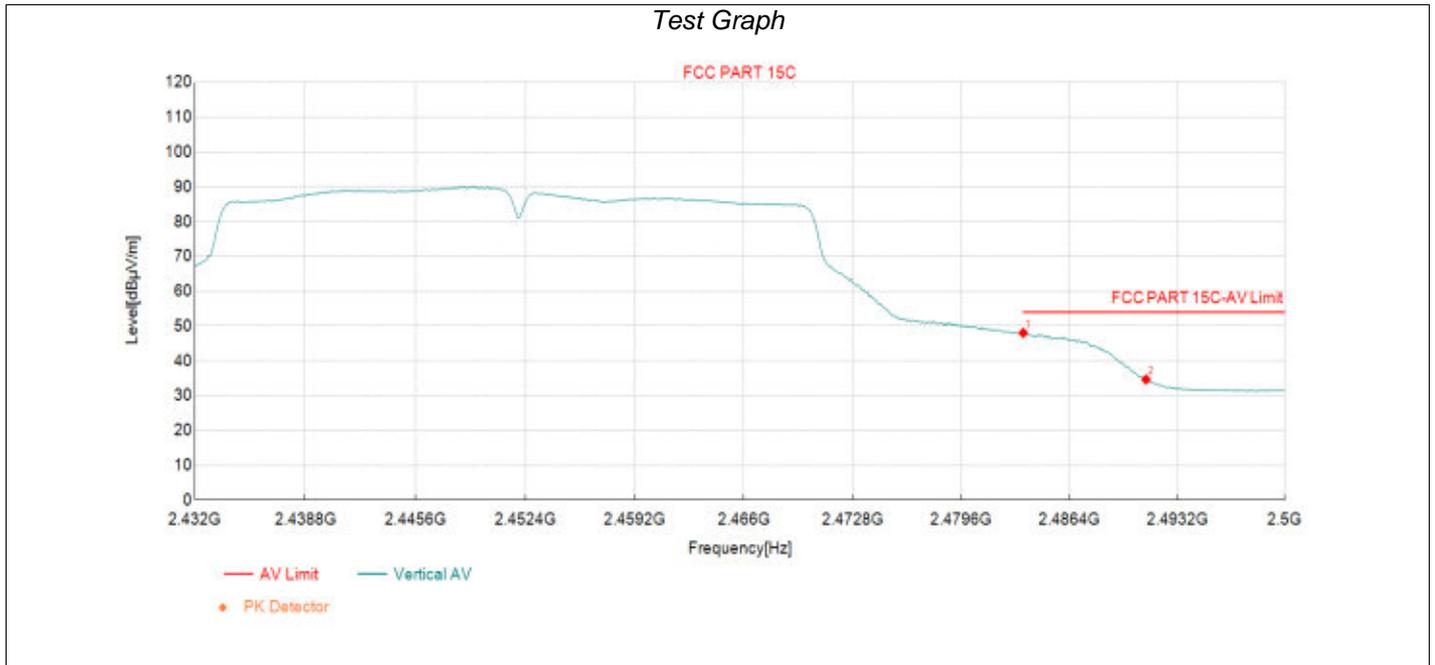
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	37.44	43.03	5.59	54.00	10.97	AV	Horizo	PASS
2	2491.30	26.93	32.56	5.63	54.00	21.44	AV	Horizo	PASS

Transmit at 2452MHz by 802.11n(40MHz)



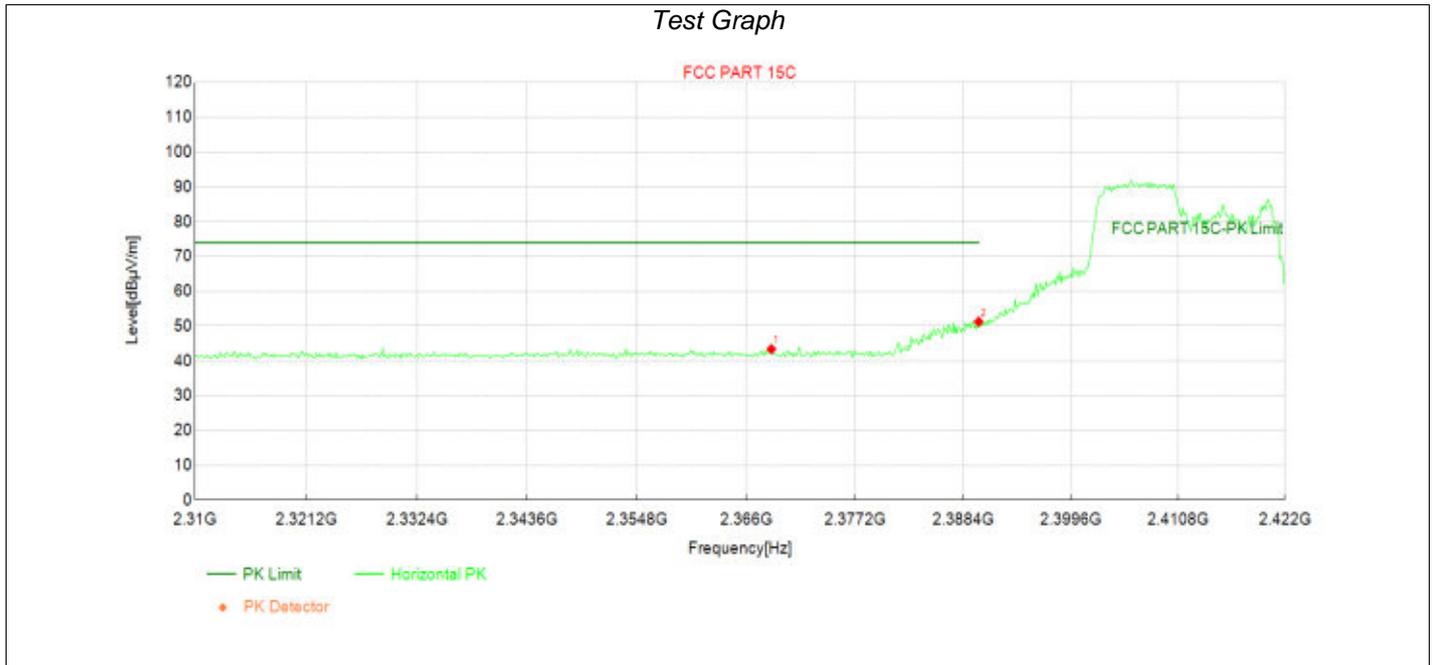
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	52.60	58.19	5.59	74.00	15.81	PK	Vertic	PASS
2	2486.47	54.37	59.98	5.61	74.00	14.02	PK	Vertic	PASS

Transmit at 2452MHz by 802.11n(40MHz)



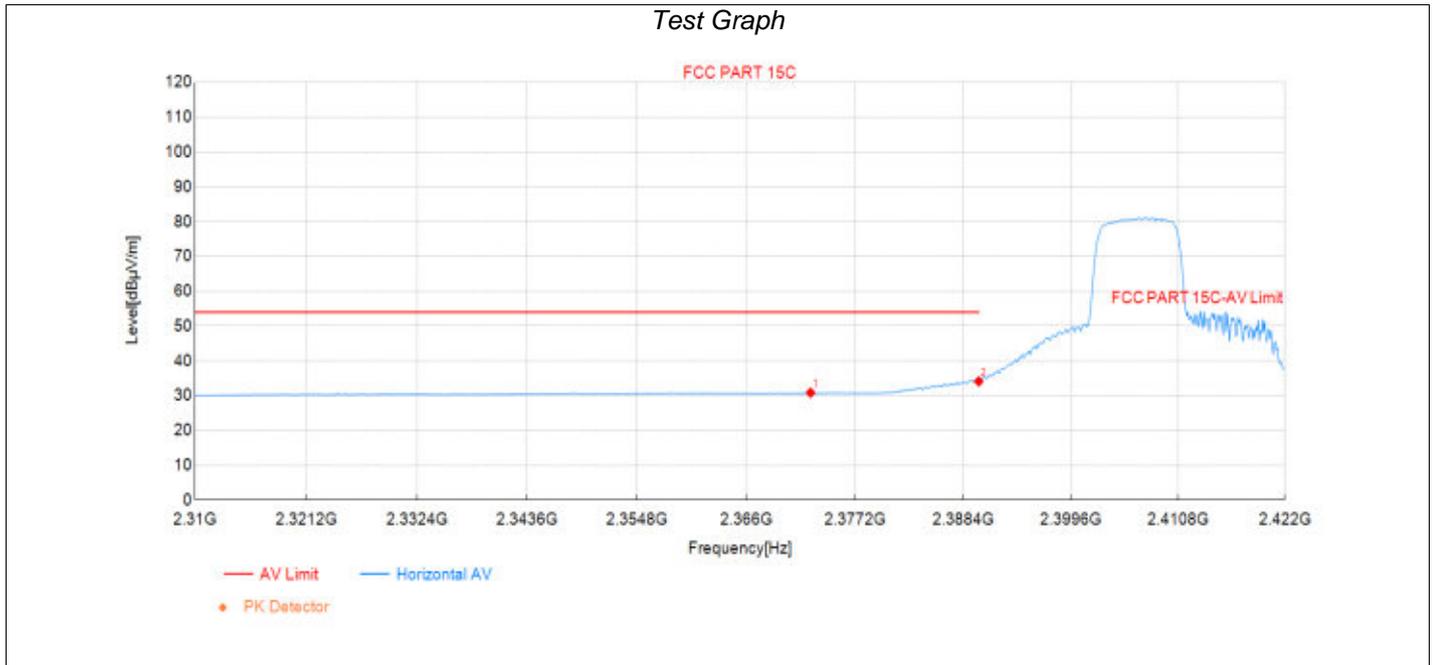
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	42.45	48.04	5.59	54.00	5.96	AV	Vertic	PASS
2	2491.23	29.02	34.65	5.63	54.00	19.35	AV	Vertic	PASS

Transmit at 2412MHz by 802.11ax(20Mhz) with RU106-53



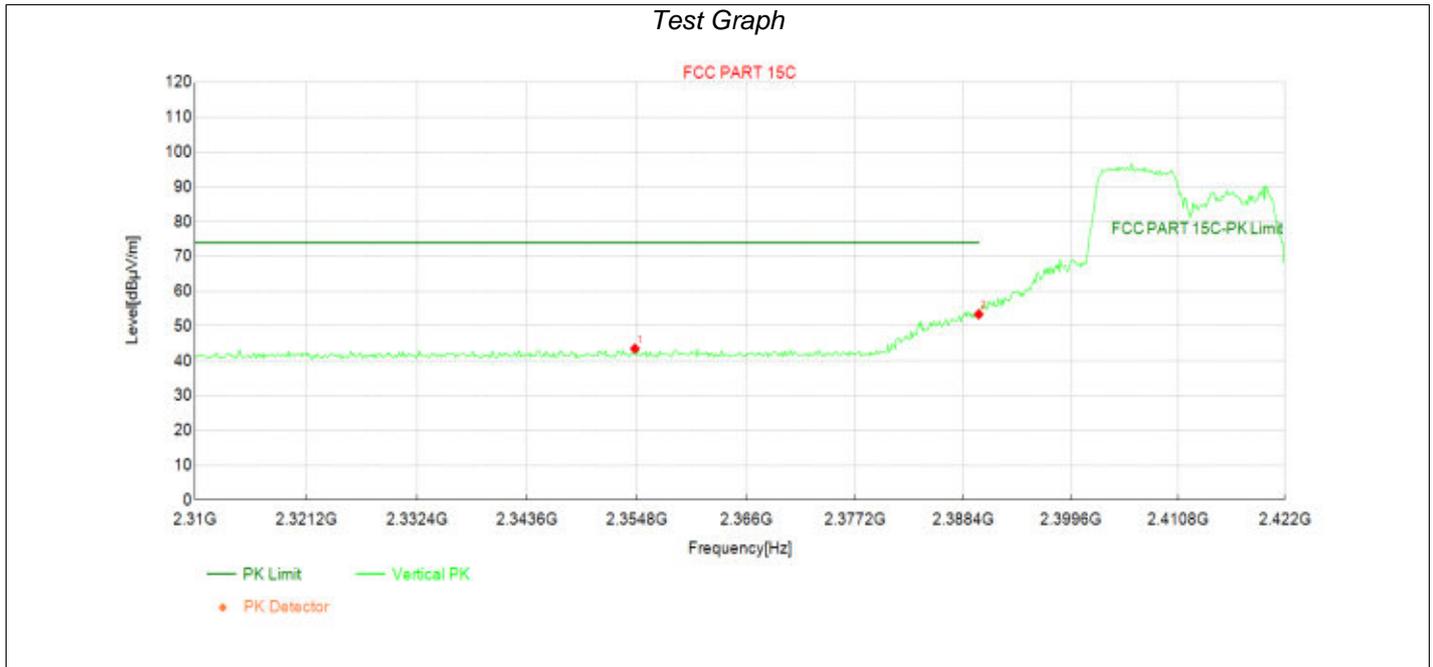
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2368.58	38.27	43.37	5.10	74.00	30.63	PK	Horizo	PASS
2	2390.00	46.02	51.25	5.23	74.00	22.75	PK	Horizo	PASS

Transmit at 2412MHz by 802.11ax(20Mhz) with RU106-53



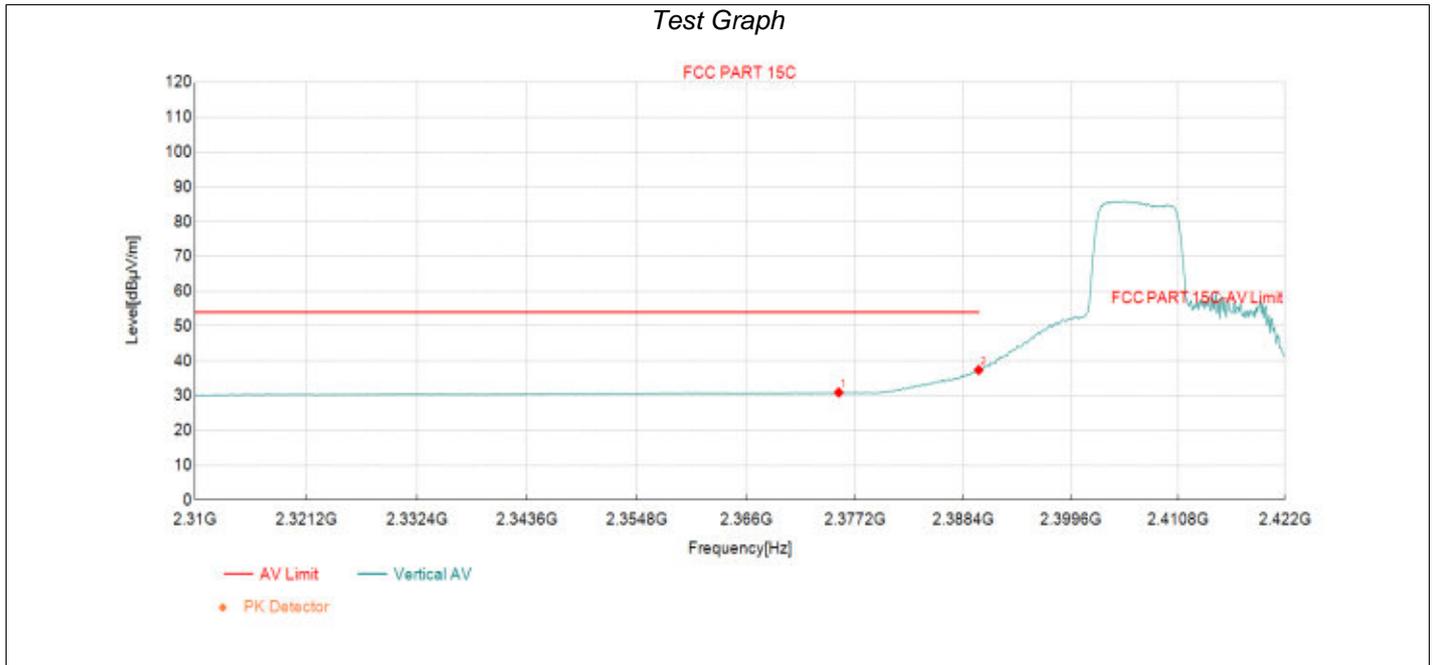
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2372.61	25.72	30.84	5.12	54.00	23.16	AV	Horizo	PASS
2	2390.00	28.87	34.10	5.23	54.00	19.90	AV	Horizo	PASS

Transmit at 2412MHz by 802.11ax(20Mhz) with RU106-53



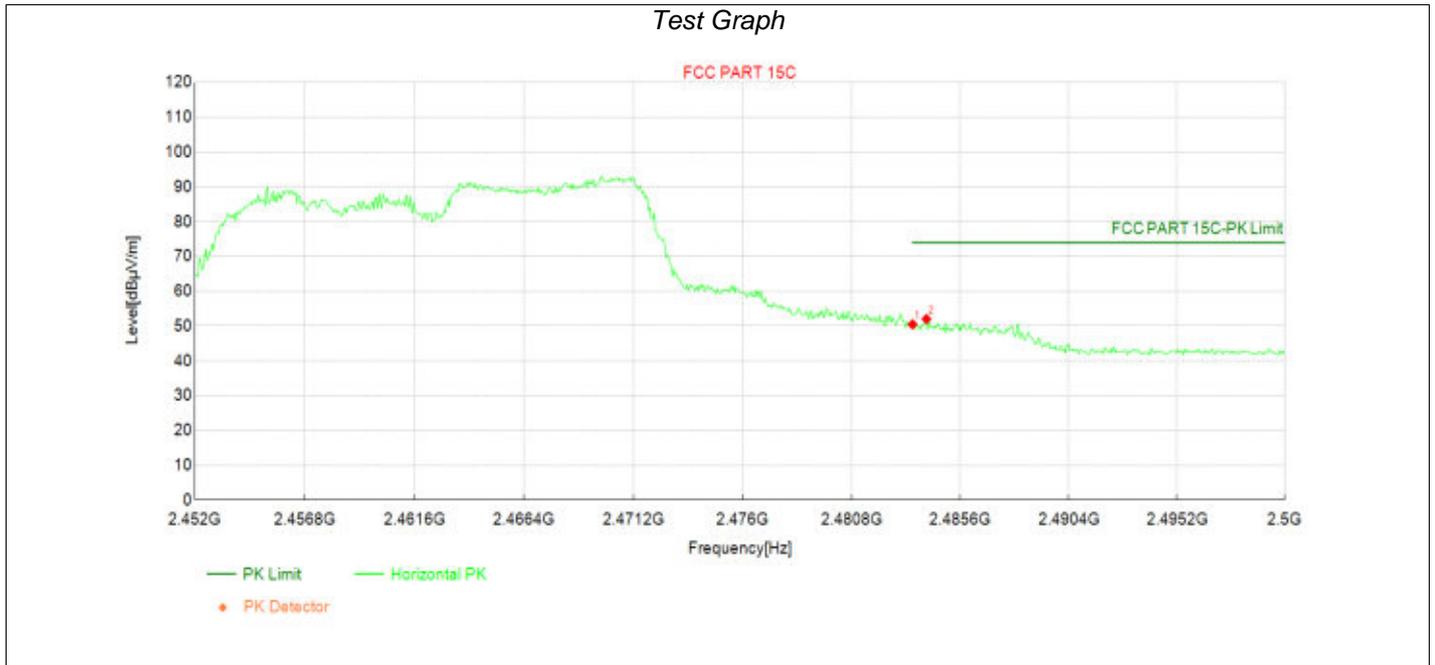
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2354.58	38.50	43.51	5.01	74.00	30.49	PK	Vertic	PASS
2	2390.00	48.14	53.37	5.23	74.00	20.63	PK	Vertic	PASS

Transmit at 2412MHz by 802.11ax(20Mhz) with RU106-53



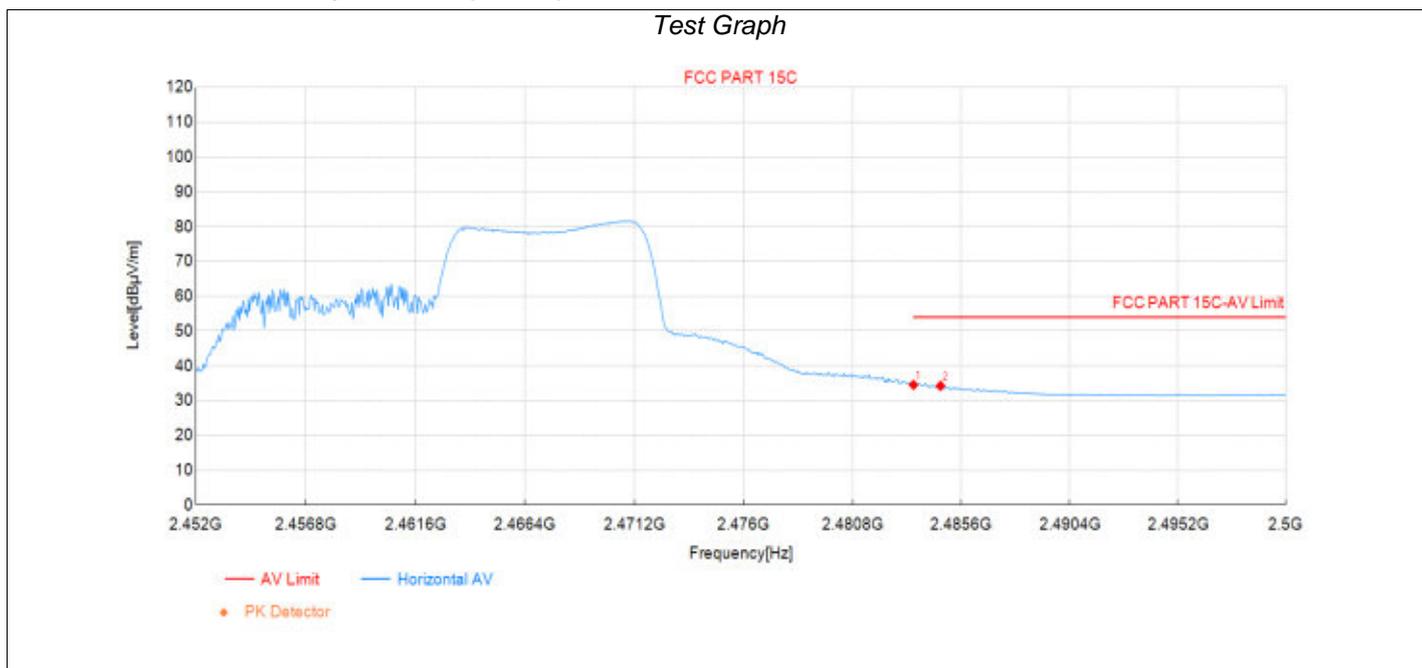
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2375.52	25.77	30.91	5.14	54.00	23.09	AV	Vertic	PASS
2	2390.00	32.13	37.36	5.23	54.00	16.64	AV	Vertic	PASS

Transmit at 2462MHz by 802.11ax(20Mhz) with RU106-53



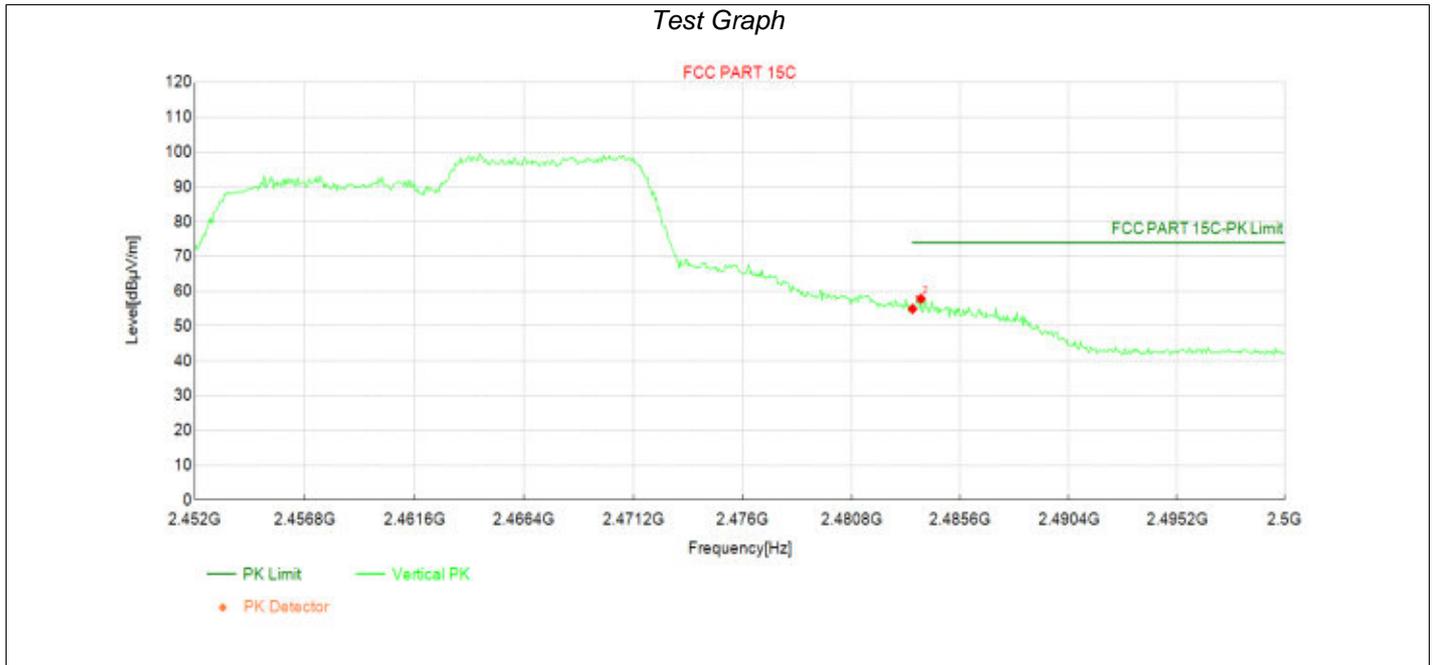
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	44.90	50.49	5.59	74.00	23.51	PK	Horizo	PASS
2	2484.11	46.42	52.02	5.60	74.00	21.98	PK	Horizo	PASS

Transmit at 2462MHz by 802.11ax(20Mhz) with RU106-54



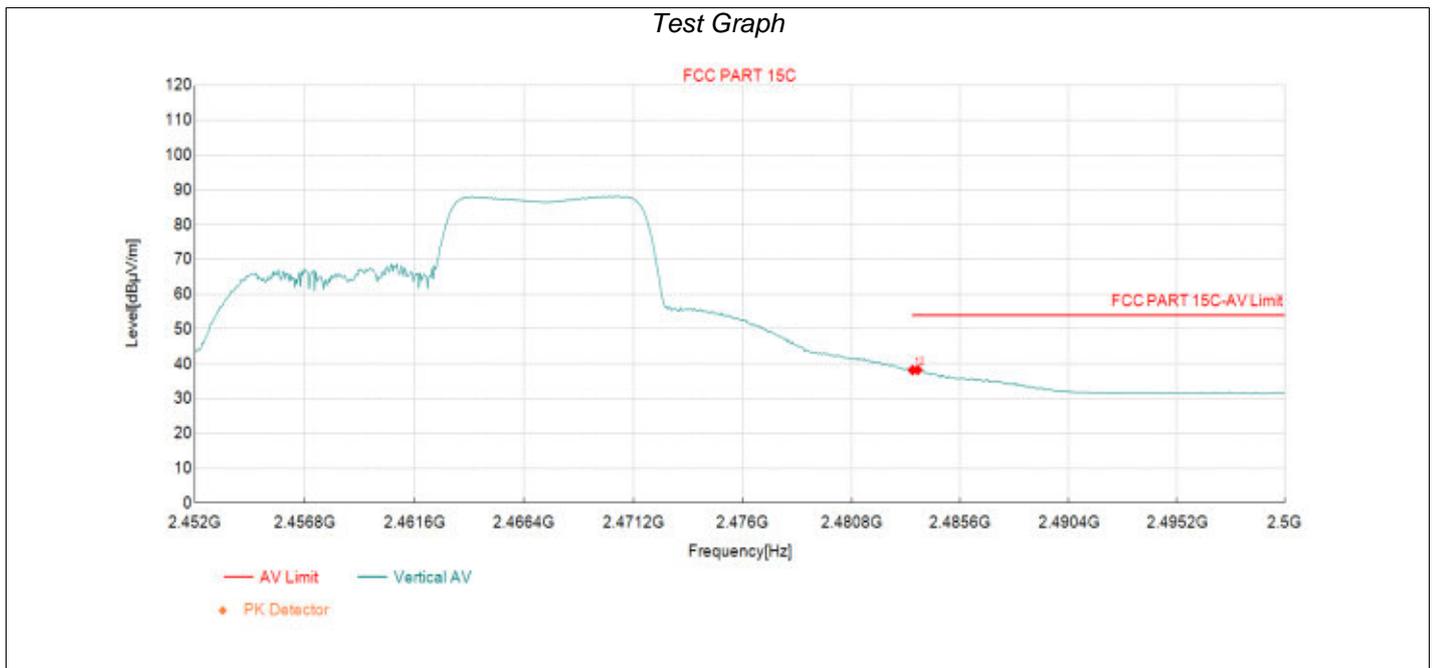
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	28.95	34.54	5.59	54.00	19.46	AV	Horizo	PASS
2	2484.69	28.64	34.25	5.61	54.00	19.75	AV	Horizo	PASS

Transmit at 2462MHz by 802.11ax(20Mhz) with RU106-54



Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	49.35	54.94	5.59	74.00	19.06	PK	Vertic	PASS
2	2483.87	52.23	57.82	5.59	74.00	16.18	PK	Vertic	PASS

Transmit at 2462MHz by 802.11ax(20Mhz) with RU106-54



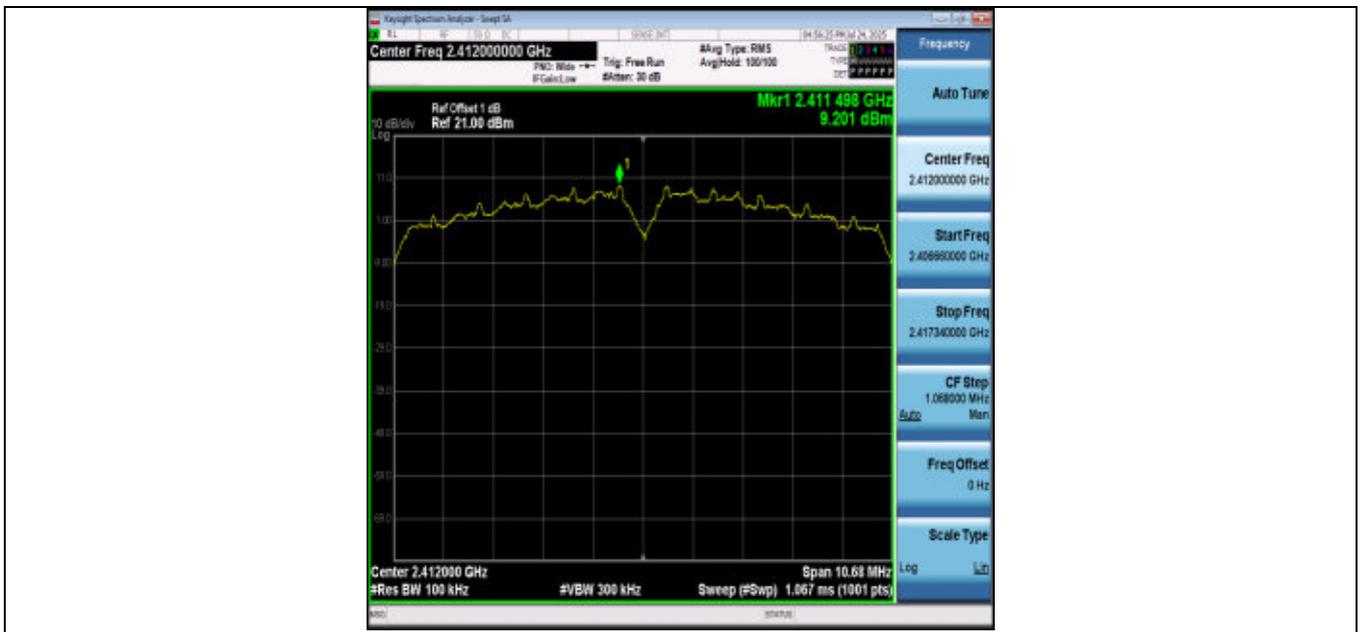
Data List									
NO	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.50	32.60	38.19	5.59	54.00	15.81	AV	Vertic	PASS
2	2483.73	32.65	38.24	5.59	54.00	15.76	AV	Vertic	PASS

Note:

1. Level = Reading + Factor.
2. Margin = Limit – Level
3. For partial RU, only worst data of each mode shown in this report.

Appendix E: Test results of Conducted Spurious Emission

Reference level measurement:



11B-2412-PASS



11B-2437-PASS



11B-2462-PASS



11G-2412-PASS



11G-2437-PASS



11G-2462-PASS



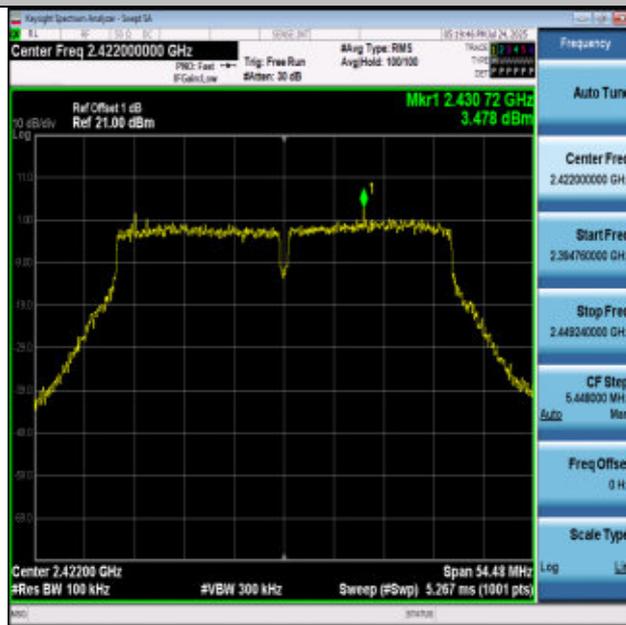
11N20-2412-PASS



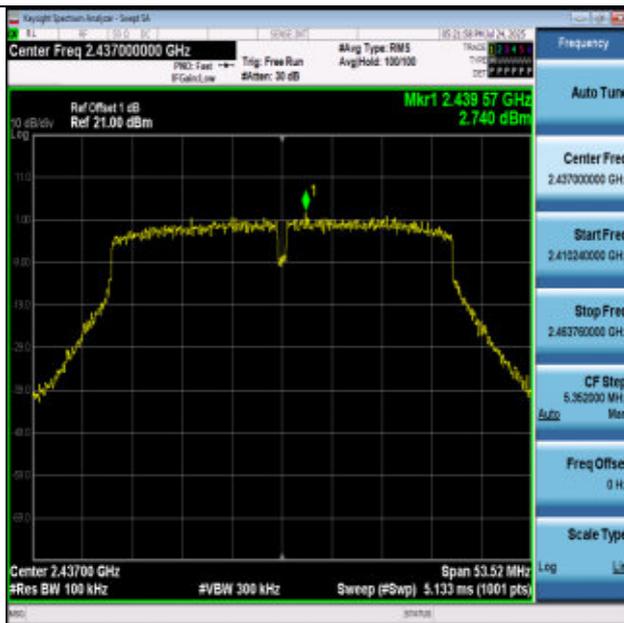
11N20-2437-PASS



11N20-2462-PASS



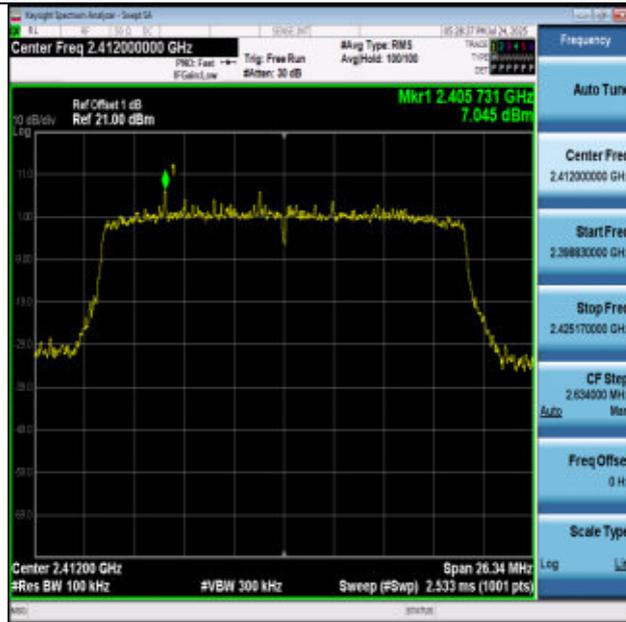
11N40-2422-PASS



11N40-2437-PASS



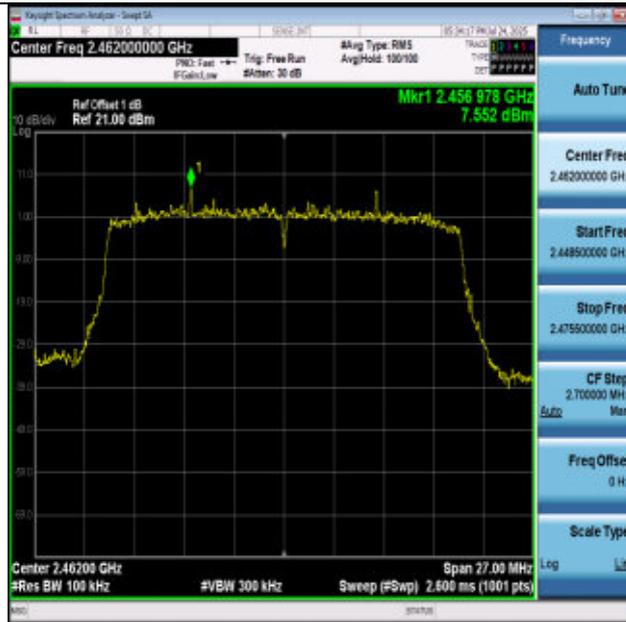
11N40-2452-PASS



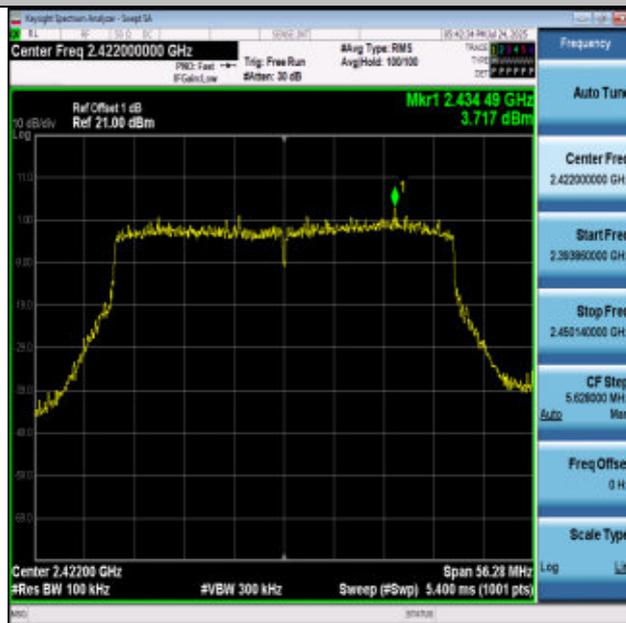
11AX20-2412-PASS



11AX20-2437-PASS



11AX20-2462-PASS



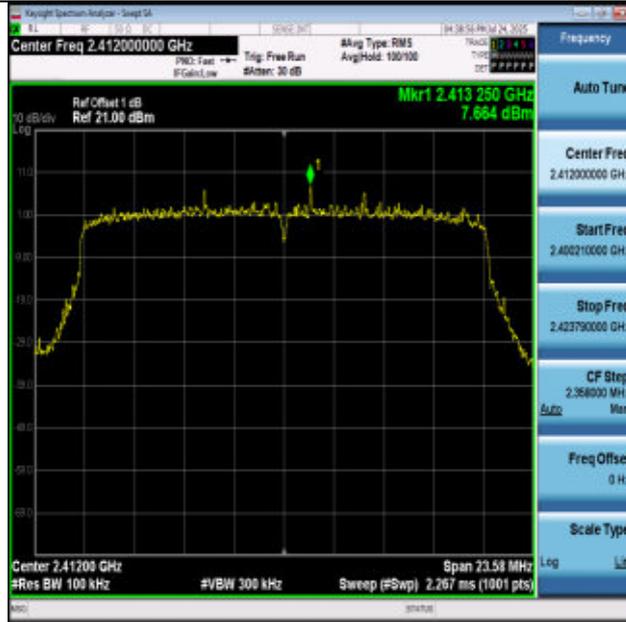
11AX40-2422-PASS



11AX40-2437-PASS



11AX40-2452-PASS



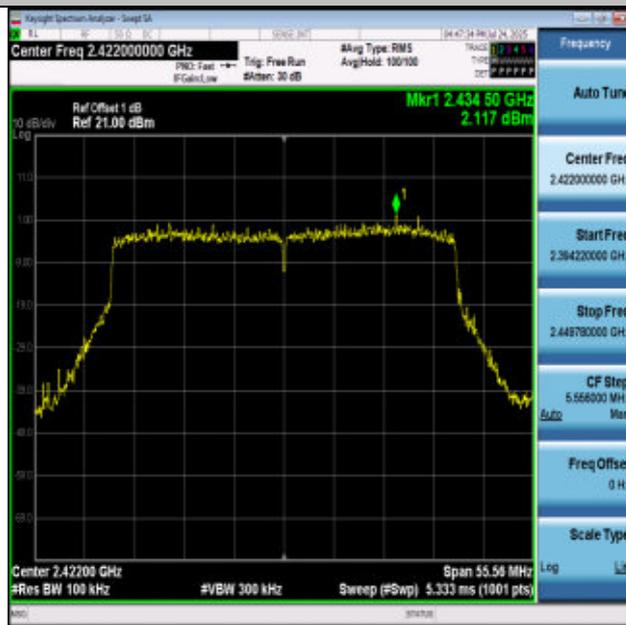
11BE20-2412-PASS



11BE20-2437-PASS



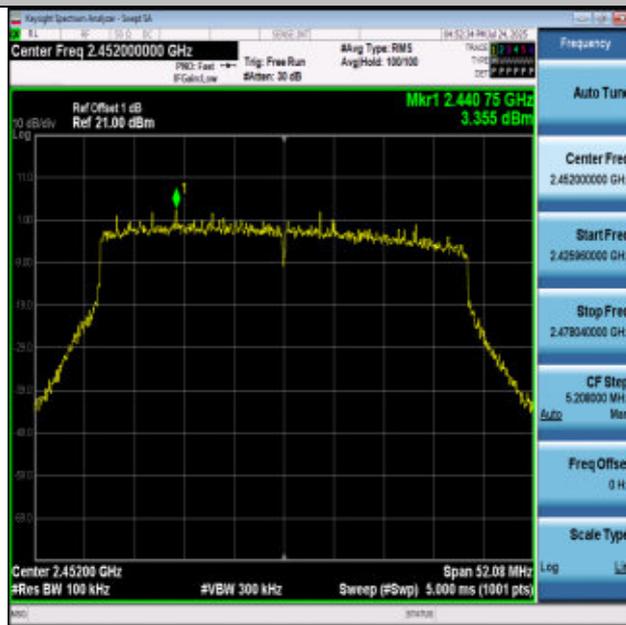
11BE20-2462-PASS



11BE40-2422-PASS

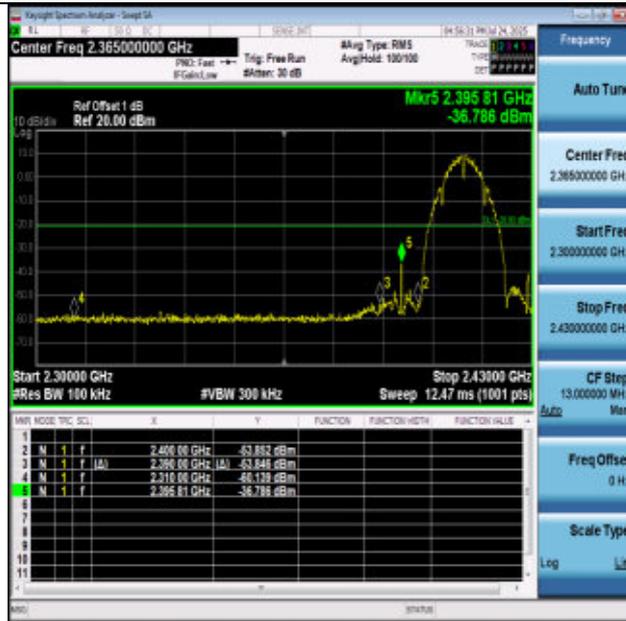


11BE40-2437-PASS

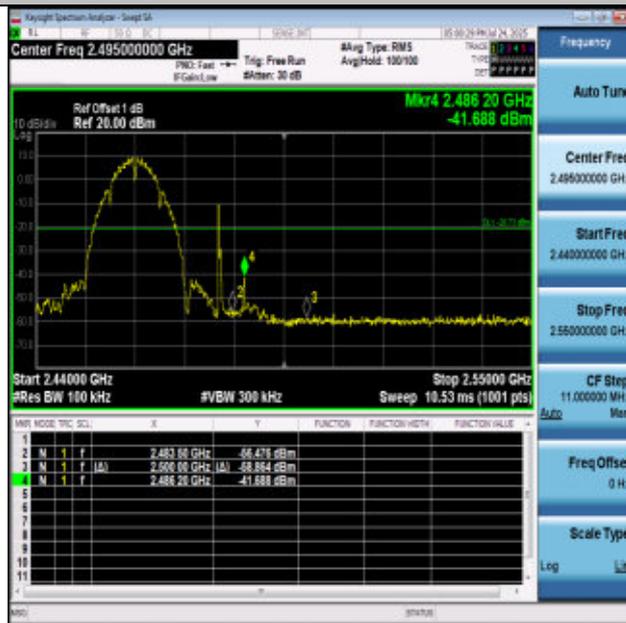


11BE40-2452-PASS

Band edge measurements



11B-2412-PASS



11B-2462-PASS



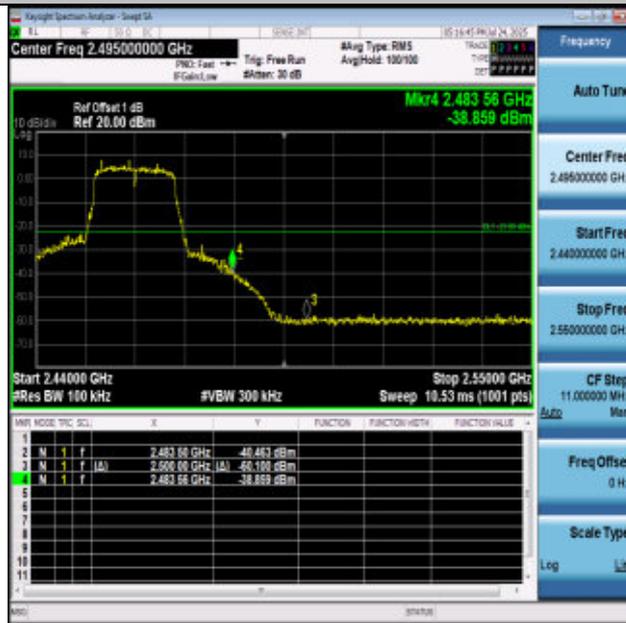
11G-2412-PASS



11G-2462-PASS



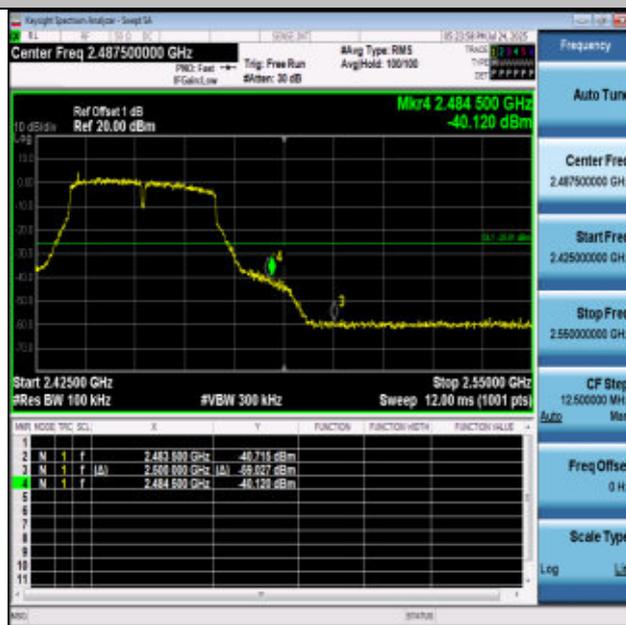
11N20-2412-PASS



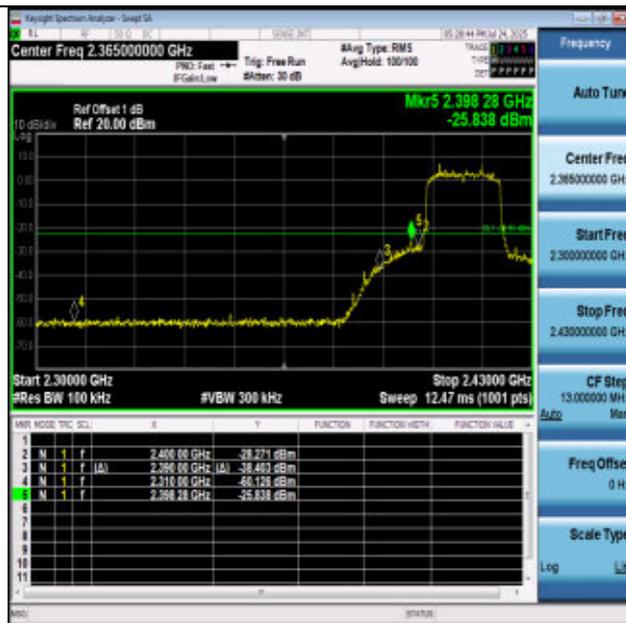
11N20-2462-PASS



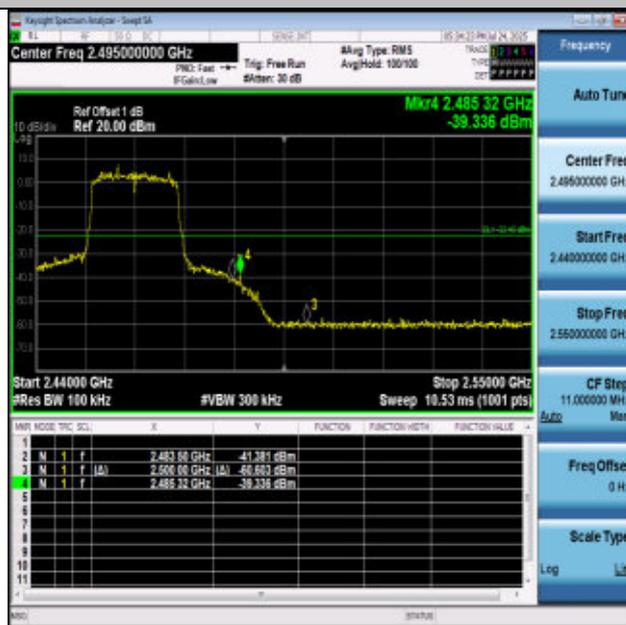
11N40-2422-PASS



11N40-2452-PASS



11AX20-2412-PASS



11AX20-2462-PASS