FCC RF Test Report

(900MHz&2.4GHz)

Applicant:	Autel Robotics Co., Ltd.
Address of Applicant:	18th Floor, Block C1, Nanshan iPark, No. 1001 Xueyuan Avenue, Nanshan District, Shenzhen, Guangdong, 518055, China

Equipment Under Test (EUT)

Product Name:	EVO II V3
Model No.:	MDCV3
Trade Mark:	AUTEL ROBOTICS
FCC ID:	2AGNTMDC240958A
Applicable Standards:	FCC CFR Title 47 Part 15C (§15.247)
Date of Sample Receipt:	24 Jun., 2022
Date of Test:	25 Jun., to 26 Jul., 2022
Date of Report Issued:	26 Jul., 2022
Test Result:	PASS

Tested by:	Mike.ou ***Test Engineer***	***Date:***	*26 Jul., 2022*
Reviewed by:	Winner Zhang ***Project Engineer***	***Date:***	*26 Jul., 2022*
Approved by:	Manager ***Manager***	***Date:***	*26 Jul., 2022*

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

2 Version

Version No.	Date	Description
00	*26 Jul., 2022*	*Original*

3 Contents

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4 General Information

4.1 Client Information

Applicant:	Autel Robotics Co., Ltd.
Address:	18th Floor, Block C1, Nanshan iPark, No. 1001 Xueyuan Avenue, Nanshan District, Shenzhen, Guangdong, 518055, China
Manufacturer:	Autel Robotics Co., Ltd.
Address:	18th Floor, Block C1, Nanshan iPark, No. 1001 Xueyuan Avenue, Nanshan District, Shenzhen, Guangdong, 518055, China
Factory:	Autel Robotics Co., Ltd.Guangming Branch
Address:	No.701, Jixie Factory, Building 4, Yanxiang Technology Industrial Park, Gaoxin Road, Dongzhou Community, Guangming street, Guangming district, Shenzhen, Guangdong, China

4.2 General Description of E.U.T.

Product Name:	EVO II V3
Model No.:	MDCV3
Operation Frequency:	904.0MHz~926.0MHz: 23 for 1.4MHz Bandwidth 13 for 10 MHz Bandwidth 3 for 20 MHz Bandwidth 2403.5MHz~2475.5MHz: 73 for 1.4MHz Bandwidth 65 for 10 MHz Bandwidth 51 for 20 MHz Bandwidth
Bandwidth:	1.4MHz, 10MHz, 20MHz
Channel Separation:	1MHz
Modulation Technology:	QPSK, 16QAM
Antenna Type:	Integral Antenna
Antenna Gain:	904.0MHz~926.0MHz: Antenna 1: 1.4dBi, Antenna 2: 1.1dBi (declare by applicant) 2403.5MHz~2475.5MHz: Antenna 1: 2.0dBi, Antenna 2: 2.5dBi (declare by applicant)
Antenna Transmit Mode:	MIMO (2TX, 2RX)
Power Supply:	Rechargeable High Performance Li-po Battery DC11.55V/7100mAh
AC Adapter:	Model No.:XA3_1320 Input: AC100-240V, 50/60Hz 1.5A Output: DC 13.2V, 5.0A(Main) DC 5.0V, 3.0A; 9V, 2A; 12V, 1.5A
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

Product Mix. Description:

Product Name	Product Mix. Description	Model	Description
EVO II V3	EVO II Pro V3	MDCV3	Quadcopter equipped with an 1-inch CMOS sensor which can shoot up to 6K video.
	EVO II Pro RTK V3	MDCV3	Quadcopter equipped with a 6K camera and a RTK module which has centimeter-level positioning accuracy.
	EVO II Pro Enterprise V3	MDCV3	Quadcopter equipped with a 6K camera and compatible with four kinds of enterprise accessories (Spotlight, Loudspeaker, Strobe, RTK Module).
	EVO II DUAL 640T V3	MDCV3	Quadcopter equipped with a 4K camera and a thermal camera.
	EVO II DUAL 640T RTK V3	MDCV3	Quadcopter equipped with a 4K camera, a thermal camera and a RTK module which has centimeter-level positioning accuracy.
	EVO II DUAL 640T Enterprise V3	MDCV3	Quadcopter equipped with a 4K camera, a thermal camera and compatible with four kinds of enterprise accessories (Spotlight, Loudspeaker, Strobe, RTK Module).

Accessories		
Product Name	Model	Description
Spotlight	SL1	Lights up the way in night operations or low-light conditions.
Loudspeaker	LP1	Stores multiple voice recordings and plays clips on loop, and allows the command center to speak to ground teams during emergency situations for efficient operations.
Strobe	ST1	Indicates the location of the aircraft at night to comply with night-ops regulations.
RTK Module	RTK1	Supports NTRIP and is capable of centimeter-level positioning accuracy.

4.3 Test Mode and Environment

Test Mode:	
Transmitting mode:	Keep the EUT in continuous transmitting with modulation
Operating Environment:	
Temperature:	15℃ ~ 35℃
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1010 mbar

4.4 Description of Test Auxiliary Equipment

The EUT has been tested as an independent unit.

4.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Radiated Emission (30MHz ~ 1GHz) (3m SAC)	±4.45 dB
Radiated Emission (1GHz ~ 18GHz) (3m SAC)	±5.34 dB
Radiated Emission (18GHz ~ 40GHz) (3m SAC)	±5.34 dB
Radiated Emission (30MHz ~ 1GHz) (10m SAC)	±4.32 dB

Note: *All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.*

4.6 Additions to, Deviations, or Exclusions from the Method

No

4.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

- **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

4.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.
Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.
Tel: +86-755-23118282, Fax: +86-755-23116366
Email: info-JYTee@lets.com, Website: http://jyt.lets.com

4.9 Test Instruments List

Radiated Emission(3m SAC):					
Test Equipment	**Manufacturer**	**Model No.**	**Manage No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
3m SAC	ETS	9m*6m*6m	WXJ001-1	04-14-2021	04-13-2024
Loop Antenna	Schwarzbeck	FMZB 1519 B	WXJ002-4	03-07-2022	03-06-2023
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	03-08-2022	03-07-2023
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	03-08-2022	03-07-2023
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	04-07-2022	04-06-2023
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	01-20-2022	01-19-2023
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXJ001-3	01-20-2022	01-19-2023
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	03-30-2022	03-29-2023
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	03-05-2022	03-04-2023
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	01-20-2022	01-19-2023
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ004-2	10-27-2021	10-26-2022
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-20-2022	01-19-2023
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	01-20-2022	01-19-2023
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG001-7	01-20-2022	01-19-2023
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Radiated Emission(10m SAC):					
Test Equipment	**Manufacturer**	**Model No.**	**Manage No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
10m SAC	ETS	RFSD-100-F/A	WXJ090	04-28-2021	04-27-2024
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-1	04-01-2022	03-31-2023
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-2	03-31-2022	03-30-2023
EMI Test Receiver	R&S	ESR 3	WXJ090-3	03-30-2022	03-29-2023
EMI Test Receiver	R&S	ESR 3	WXJ090-4	03-30-2022	03-29-2023
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-6	01-20-2022	01-19-2023
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-7	01-20-2022	01-19-2023
Cable	Bost	JYT10M-1G-NN-10M	WXG002-7	01-20-2022	01-19-2023
Cable	Bost	JYT10M-1G-NN-10M	WXG002-8	01-20-2022	01-19-2023
Test Software	R&S	EMC32	Version: 10.50.40		

Conducted Method:					
Test Equipment	**Manufacturer**	**Model No.**	**Manage No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
Spectrum Analyzer	Keysight	N9010B	WXJ004-3	10-27-2021	10-26-2022
DC Power Supply	Keysight	E3642A	WXJ025-2	11-27-2020	11-26-2023
Temperature Humidity Chamber	ZHONG ZHI	CZ-A-80D	WXJ032-3	03-19-2021	03-18-2023
Power Detector Box	MWRFTEST	MW100-PSB	WXJ007-4	11-19-2021	11-18-2022
RF Control Unit	MWRFTEST	MW100-RFCB	WXG006	N/A	
Test Software	MWRFTEST	MTS 8310	Version: 2.0.0.0		

5 Measurement Setup and Procedure

5.1 Test Channel

According to ANSI C63.10-2013 chapter 5.6.1 Table 4 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

900MHz:

Operation Frequency each of channel for 1.4MHz Bandwidth					
Channel	Frequency	Channel	Frequency	Channel	Frequency
1	904MHz	….	….	….	….
2	905MHz	12	915MHz	22	925MHz
3	906MHz	….	….	23	926MHz
Note: *1. Channel 1, 12 & 19 selected as Lowest, Middle and Highest channel.*					
Operation Frequency each of channel for 10MHz Bandwidth					
Channel	Frequency	Channel	Frequency	Channel	Frequency
1	909MHz	….	….	….	….
2	910MHz	7	915MHz	12	920MHz
3	911MHz	….	….	13	921MHz
Note: *1. Channel 1, 7 & 13 selected as Lowest, Middle and Highest channel.*					
Operation Frequency each of channel for 20MHz Bandwidth					
Channel	Frequency	Channel	Frequency	Channel	Frequency
1	914	2	915	3	916
Note: *1. Channel 1, 2 & 3 selected as Lowest, Middle and Highest channel.*					

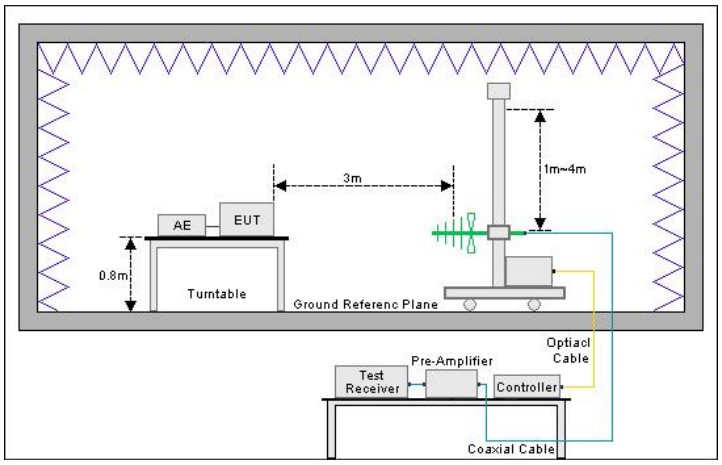
2.4GHz:

Operation Frequency each of channel for 1.4MHz Bandwidth							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2403.5MHz	4	2406.5MHz	….	….	73	2475.5MHz
2	2404.5MHz	5	2407.5MHz	37	2439.5MHz		
3	2405.5MHz	6	2408.5MHz	….	….		
Note: *1. Channel 1, 37 & 73 selected as Lowest, Middle and Highest channel.*							
Operation Frequency each of channel for 10MHz Bandwidth							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2407.5MHz	4	2410.5MHz	….	….	64	2470.5MHz
2	2408.5MHz	5	2411.5MHz	33	2439.5MHz	65	2471.5MHz
3	2409.5MHz	6	2412.5MHz	….	….		
Note: *1. Channel 1, 33 & 65 selected as Lowest, Middle and Highest channel.*							
Operation Frequency each of channel for 20MHz Bandwidth							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412.5MHz	4	2415.5MHz	….	….	50	2461.5MHz
2	2413.5MHz	5	2416.5MHz	26	2437.5MHz	51	2462.5MHz
3	2414.5MHz	6	2417.5MHz	….	….		
Note: *1. Channel 1, 26 & 65 selected as Lowest, Middle and Highest channel.*							

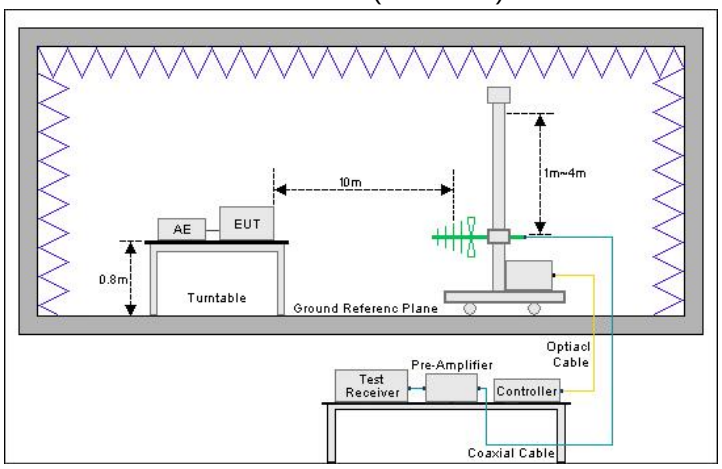
5.2 Test Setup

1) Radiated emission measurement:

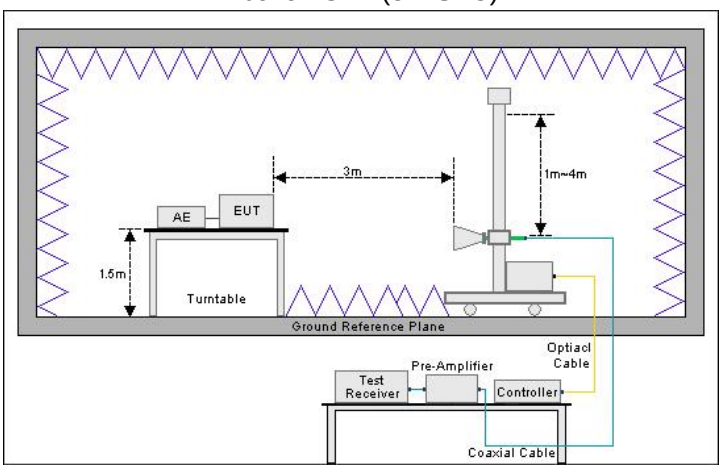
Below 1GHz (3m SAC, for 904.0MHz~926.0MHz,)



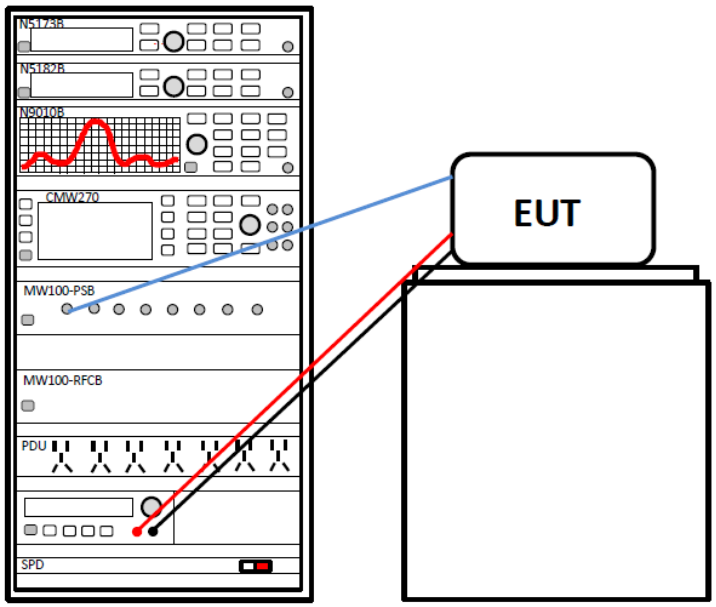
Below 1GHz (10m SAC)



Above 1GHz (3m SAC)



2) Conducted test method



5.3 Test Procedure

Test method	Test step
Radiated emission	**For below 1GHz:** 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 10 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 10 m. 2. EUT works in each mode of operation that needs to be tested，and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. **For above 1GHz:** 1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested，and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
Conducted test method	1. The Wi-Fi antenna port of EUT was connected to the test port of the test system through an RF cable. 2. The EUT is keeping in continuous transmission mode and tested in all modulation modes. 3. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.

6 Test Results

6.1 Summary

6.1.1 Clause and Data Summary

Test items	Standard clause	Test data	Result
Antenna Requirement	15.203 15.247 (b)(4)	See Section 6.2	Pass
AC Power Line Conducted Emission	15.207	See Section 6.3	N/A
Duty Cycle	ANSI C63.10-2013	Appendix A– 2.4GHz Appendix A – 900MHz	Pass
Conducted Output Power	15.247 (b)(3)	Appendix A– 2.4GHz Appendix A – 900MHz	Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Appendix A– 2.4GHz Appendix A – 900MHz	Pass
Power Spectral Density	15.247 (e)	Appendix A– 2.4GHz Appendix A – 900MHz	Pass
Band-edge Emission Conduction Spurious Emission	15.247 (d)	Appendix A– 2.4GHz Appendix A – 900MHz	Pass
Emissions in Restricted Frequency Bands	15.205 15.247 (d)	See Section 6.4	Pass
Emissions in Non-restricted Frequency Bands	15.209 15.247(d)	See Section 6.5	Pass

Remark:

1. *Pass: The EUT complies with the essential requirements in the standard.*
2. *N/A: Not Applicable, When the EUT is charging, it cannot be turned on to work.*
3. *The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).*

Test Method:	*ANSI C63.10-2013* *KDB 558074 D01 15.247 Meas Guidance v05r02*

6.1.2 Test Limit

<table>
<tr><th>Test items</th><th>Limit</th></tr>
<tr><td>Conducted Output Power</td><td>For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.</td></tr>
<tr><td>6dB Emission Bandwidth</td><td>The minimum 6 dB bandwidth shall be at least 500 kHz.</td></tr>
<tr><td>99% Occupied Bandwidth</td><td>N/A</td></tr>
<tr><td>Power Spectral Density</td><td>For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.</td></tr>
<tr><td>Band-edge Emission

Conduction Spurious Emission</td><td>In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).</td></tr>
<tr><td>Emissions in Restricted Frequency Bands

Emissions in Non-restricted Frequency Bands</td><td>
<table>
<tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBµV/m)</th><th rowspan="2">Detector</th></tr>
<tr><th>@ 3m</th><th>@ 10m</th></tr>
<tr><td>30 – 88</td><td>40.0</td><td>30.0</td><td>Quasi-peak</td></tr>
<tr><td>88 – 216</td><td>43.5</td><td>33.5</td><td>Quasi-peak</td></tr>
<tr><td>216 – 960</td><td>46.0</td><td>36.0</td><td>Quasi-peak</td></tr>
<tr><td>960 – 1000</td><td>54.0</td><td>44.0</td><td>Quasi-peak</td></tr>
<tr><td colspan="4">Note: The more stringent limit applies at transition frequencies.</td></tr>
<tr><th rowspan="2">Frequency</th><th colspan="3">Limit (dBµV/m) @ 3m</th></tr>
<tr><th colspan="2">Average</th><th>Peake</th></tr>
<tr><td>Above 1 GHz</td><td colspan="2">54.0</td><td>74.0</td></tr>
<tr><td colspan="4">Note: The measurement bandwidth shall be 1 MHz or greater.</td></tr>
</table>
</td></tr>
</table>

6.2 Antenna Requirement

Standard Requirement:	FCC Part 15 C Section 15.203/15.247 (b)(4)

15.203 requirement:

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, 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.

15.247 (b)(4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

E.U.T Antenna:	

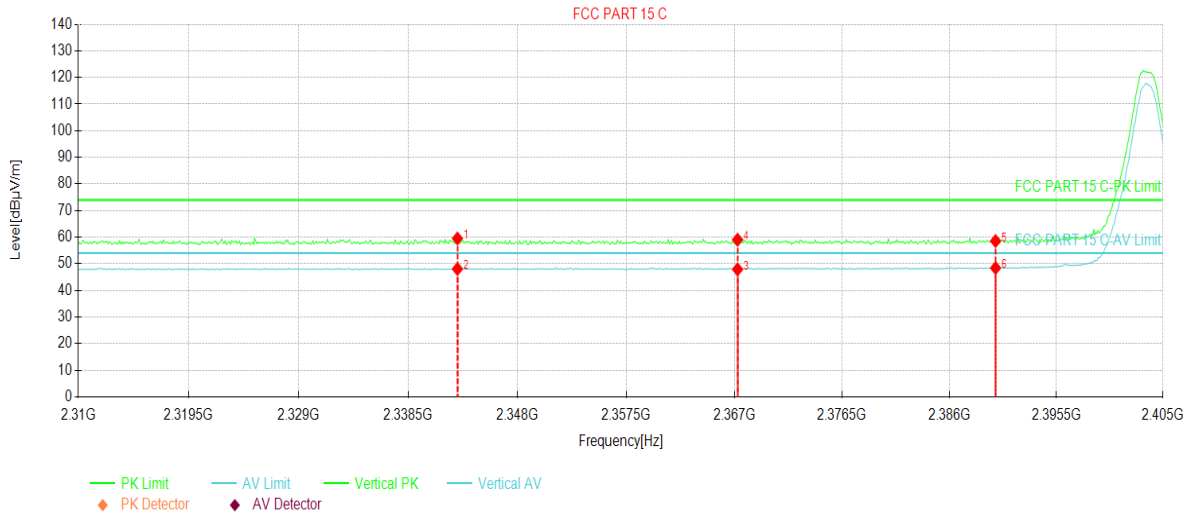
The antenna is an Integral antenna which cannot replace by end-user, the best case gain of the antenna as bellow:

ANT Band	ANT 1 Gain	ANT 2 Gain
900MHz	1.4dBi	1.1dBi
2.4GHz	2.0dBi	2.5dBi

6.3 Emissions in Restricted Frequency Bands

2.4GHz:

Product Name:	EVO II V3	**Product Model:**	MDCV3
Test By:	Mike	**Test mode:**	1.4M QPSK Tx mode
Test Channel:	Lowest channel	**Polarization:**	Vertical
Test Voltage:	DC 11.55V		

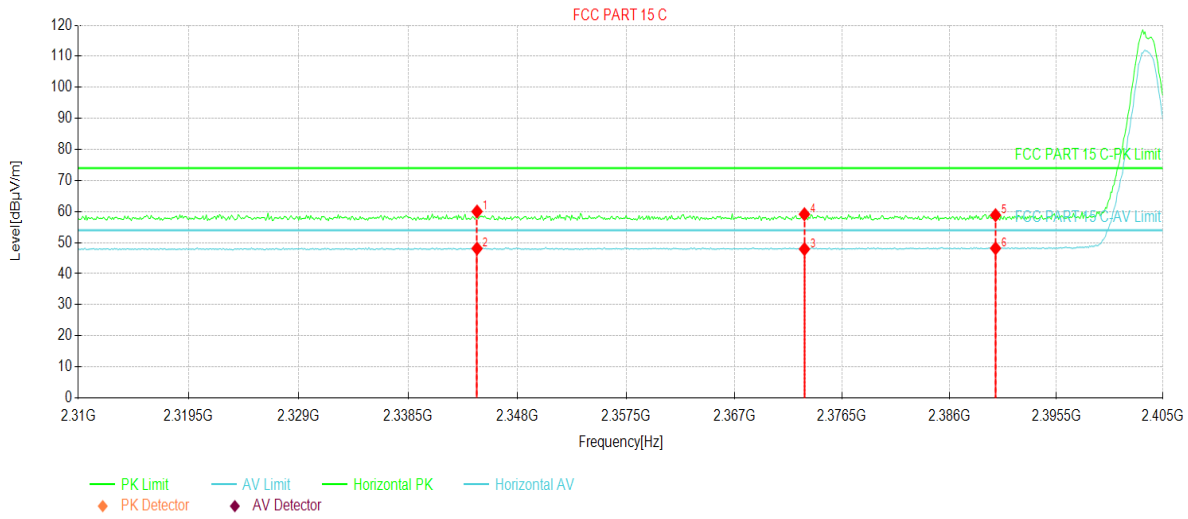


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2342.77	24.27	59.51	35.24	74.00	14.49	PK	Vertical
2	2342.77	12.81	48.05	35.24	54.00	5.95	AV	Vertical
3	2367.28	12.50	47.92	35.42	54.00	6.08	AV	Vertical
4	2367.28	23.61	59.03	35.42	74.00	14.97	PK	Vertical
5	2390.08	22.95	58.55	35.60	74.00	15.45	PK	Vertical
6	2390.08	12.83	48.43	35.60	54.00	5.57	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	1.4M QPSK Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		

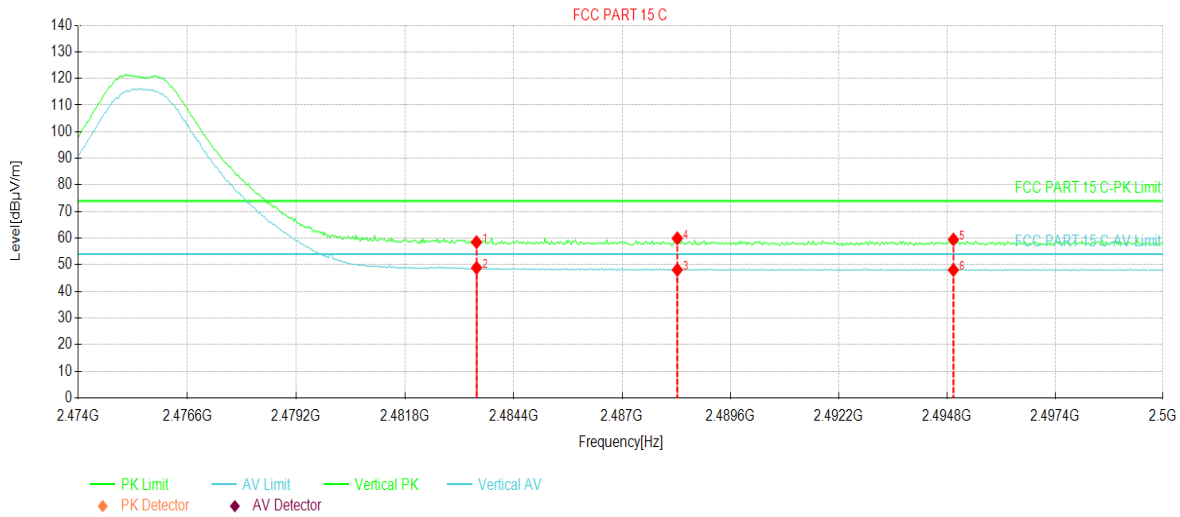


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2344.48	24.76	60.01	35.25	74.00	13.99	PK	Horizontal
2	2344.48	12.85	48.10	35.25	54.00	5.90	AV	Horizontal
3	2373.17	12.44	47.91	35.47	54.00	6.09	AV	Horizontal
4	2373.17	23.68	59.15	35.47	74.00	14.85	PK	Horizontal
5	2390.08	23.25	58.85	35.60	74.00	15.15	PK	Horizontal
6	2390.08	12.57	48.17	35.60	54.00	5.83	AV	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	1.4M QPSK Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		

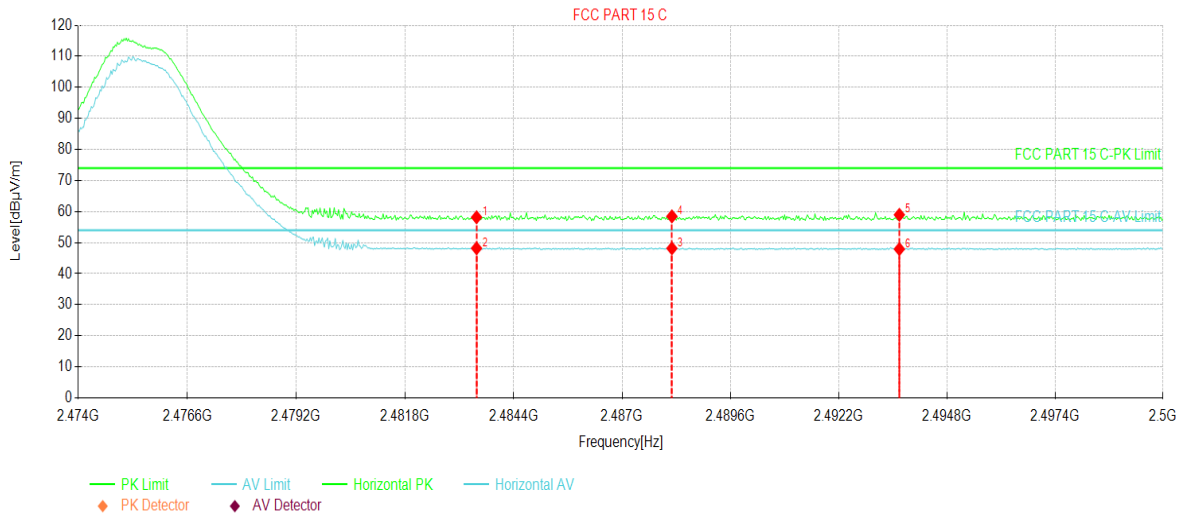


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.51	22.98	58.49	35.51	74.00	15.51	PK	Vertical
2	2483.51	13.36	48.87	35.51	54.00	5.13	AV	Vertical
3	2488.32	12.59	48.09	35.50	54.00	5.91	AV	Vertical
4	2488.32	24.43	59.93	35.50	74.00	14.07	PK	Vertical
5	2494.95	24.02	59.51	35.49	74.00	14.49	PK	Vertical
6	2494.95	12.54	48.03	35.49	54.00	5.97	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	1.4M QPSK Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		

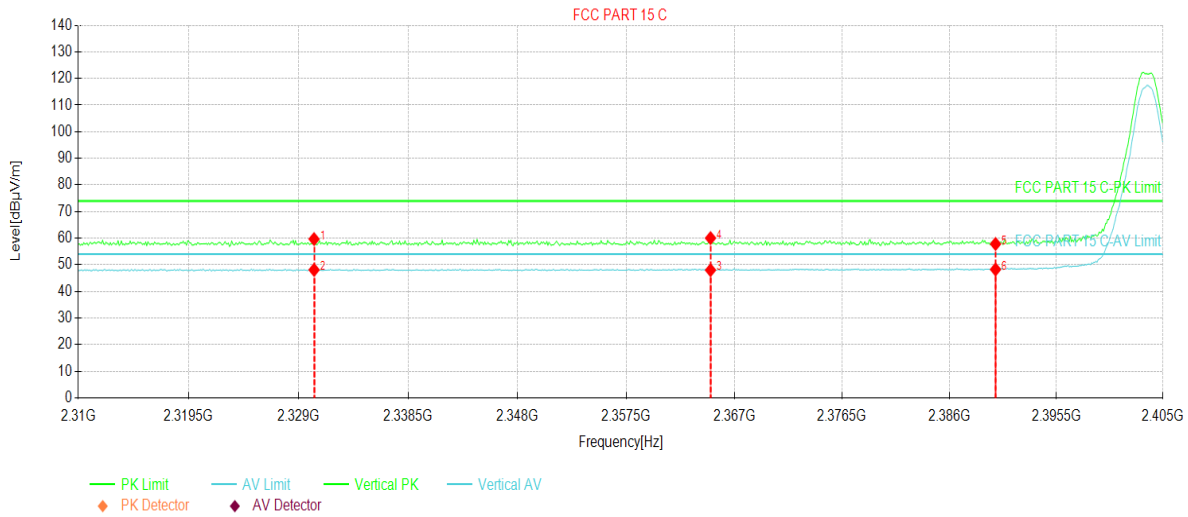


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.51	22.66	58.17	35.51	74.00	15.83	PK	Horizontal
2	2483.51	12.67	48.18	35.51	54.00	5.82	AV	Horizontal
3	2488.19	12.66	48.16	35.50	54.00	5.84	AV	Horizontal
4	2488.19	22.95	58.45	35.50	74.00	15.55	PK	Horizontal
5	2493.65	23.46	58.95	35.49	74.00	15.05	PK	Horizontal
6	2493.65	12.43	47.92	35.49	54.00	6.08	AV	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	1.4M 16QAM Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		



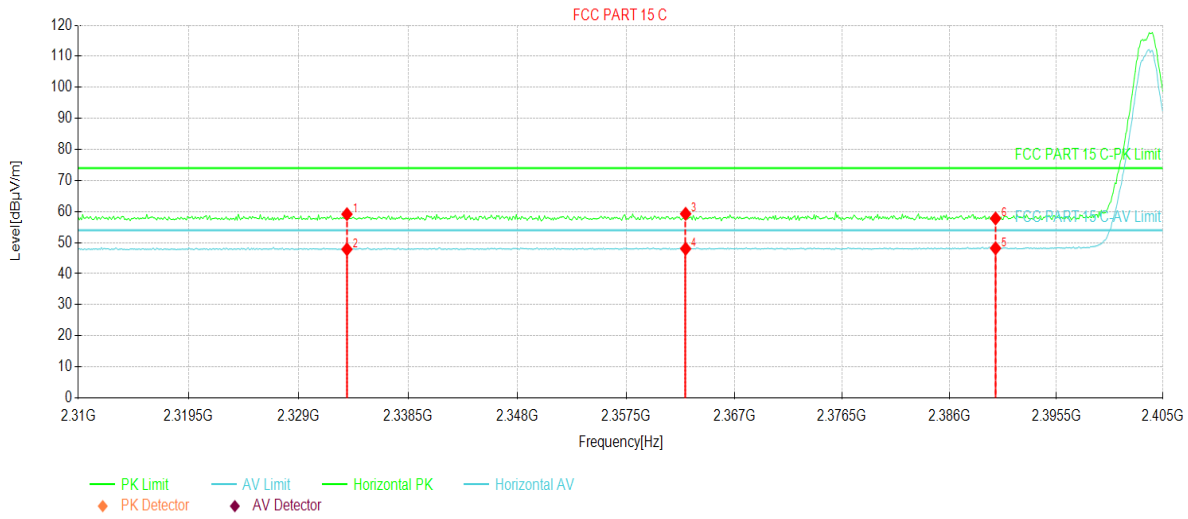
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2330.33	24.51	59.66	35.15	74.00	14.34	PK	Vertical
2	2330.33	12.96	48.11	35.15	54.00	5.89	AV	Vertical
3	2364.91	12.59	48.00	35.41	54.00	6.00	AV	Vertical
4	2364.91	24.63	60.04	35.41	74.00	13.96	PK	Vertical
5	2390.08	22.23	57.83	35.60	74.00	16.17	PK	Vertical
6	2390.08	12.65	48.25	35.60	54.00	5.75	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	1.4M 16QAM Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		



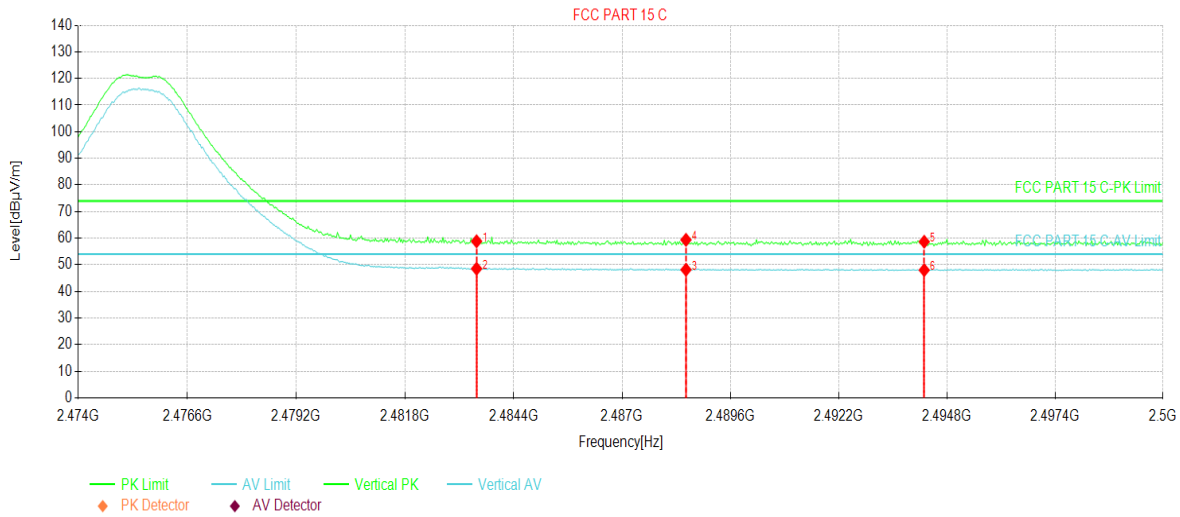
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2333.18	23.98	59.15	35.17	74.00	14.85	PK	Horizontal
2	2333.18	12.69	47.86	35.17	54.00	6.14	AV	Horizontal
3	2362.72	23.88	59.27	35.39	74.00	14.73	PK	Horizontal
4	2362.72	12.63	48.02	35.39	54.00	5.98	AV	Horizontal
5	2390.08	12.59	48.19	35.60	54.00	5.81	AV	Horizontal
6	2390.08	22.18	57.78	35.60	74.00	16.22	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	1.4M 16QAM Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		

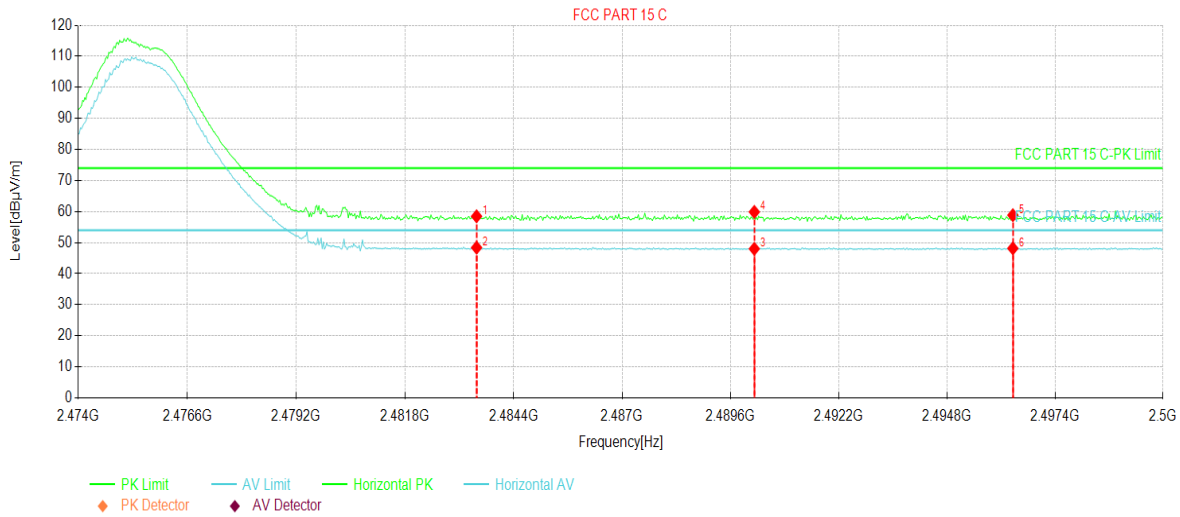


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.51	23.32	58.83	35.51	74.00	15.17	PK	Vertical
2	2483.51	13.03	48.54	35.51	54.00	5.46	AV	Vertical
3	2488.53	12.65	48.15	35.50	54.00	5.85	AV	Vertical
4	2488.53	23.88	59.38	35.50	74.00	14.62	PK	Vertical
5	2494.25	23.17	58.66	35.49	74.00	15.34	PK	Vertical
6	2494.25	12.52	48.01	35.49	54.00	5.99	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	1.4M 16QAM Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		

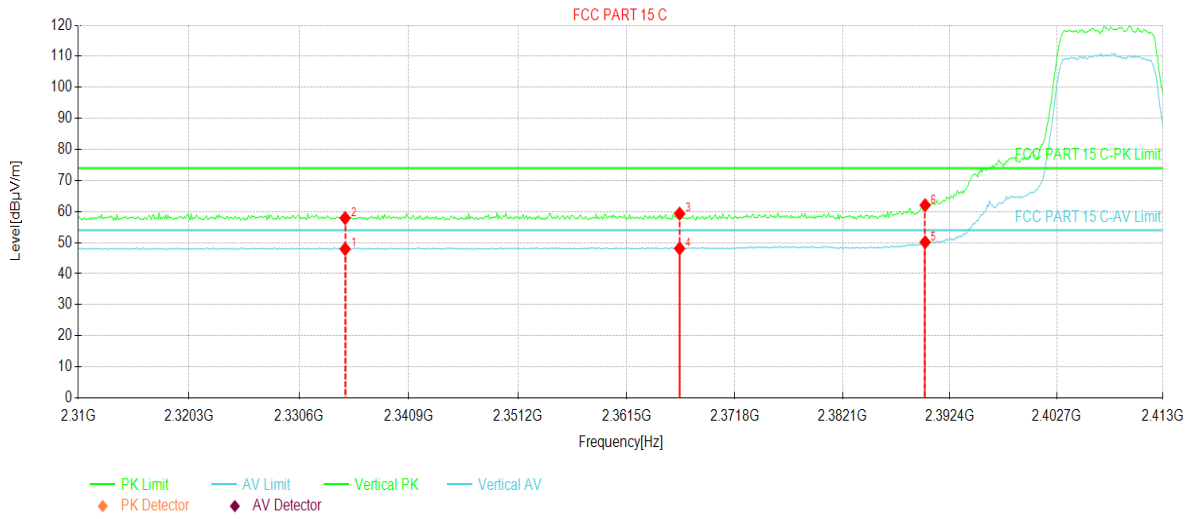


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.51	22.97	58.48	35.51	74.00	15.52	PK	Horizontal
2	2483.51	12.88	48.39	35.51	54.00	5.61	AV	Horizontal
3	2490.17	12.50	48.00	35.50	54.00	6.00	AV	Horizontal
4	2490.17	24.38	59.88	35.50	74.00	14.12	PK	Horizontal
5	2496.38	23.34	58.83	35.49	74.00	15.17	PK	Horizontal
6	2496.38	12.66	48.15	35.49	54.00	5.85	AV	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	10M QPSK Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		



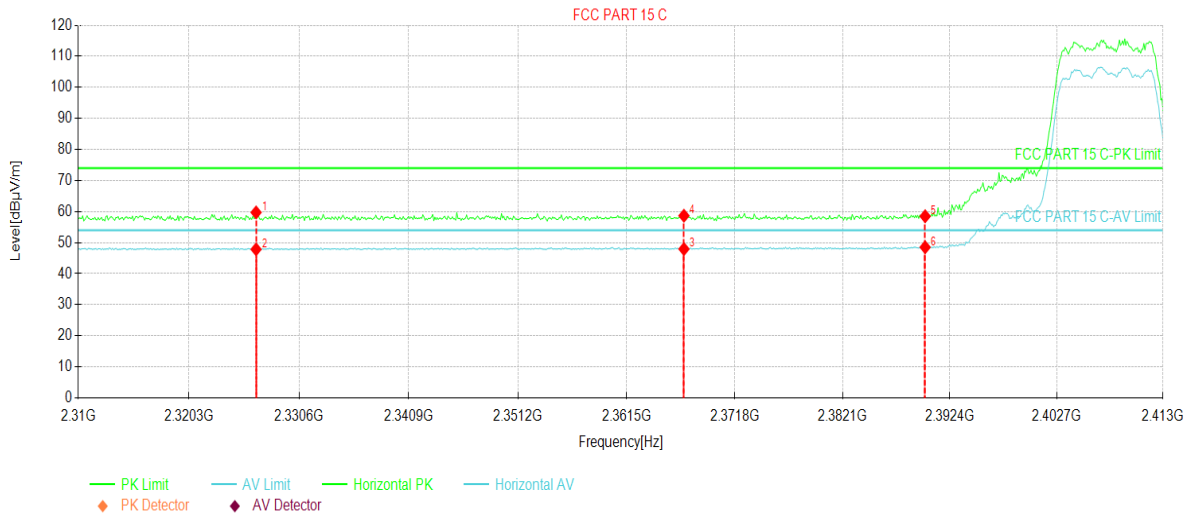
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2334.92	12.76	47.94	35.18	54.00	6.06	AV	Vertical
2	2334.92	22.71	57.89	35.18	74.00	16.11	PK	Vertical
3	2366.54	23.92	59.34	35.42	74.00	14.66	PK	Vertical
4	2366.54	12.70	48.12	35.42	54.00	5.88	AV	Vertical
5	2390.03	14.53	50.13	35.60	54.00	3.87	AV	Vertical
6	2390.03	26.45	62.05	35.60	74.00	11.95	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	10M QPSK Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		

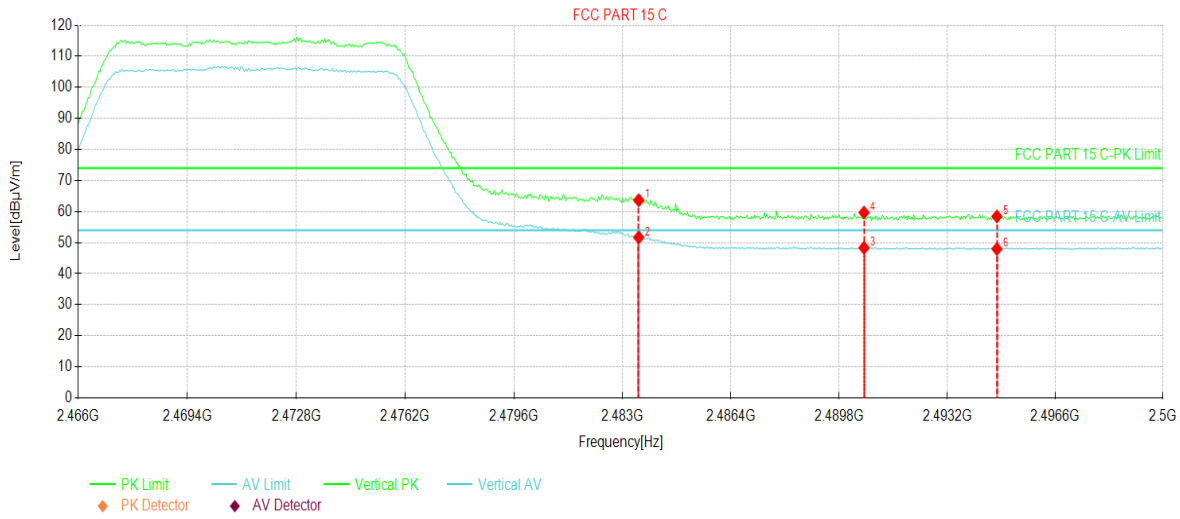


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2326.58	24.60	59.72	35.12	74.00	14.28	PK	Horizontal
2	2326.58	12.72	47.84	35.12	54.00	6.16	AV	Horizontal
3	2366.95	12.52	47.94	35.42	54.00	6.06	AV	Horizontal
4	2366.95	23.24	58.66	35.42	74.00	15.34	PK	Horizontal
5	2390.03	22.88	58.48	35.60	74.00	15.52	PK	Horizontal
6	2390.03	12.91	48.51	35.60	54.00	5.49	AV	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	10M QPSK Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		



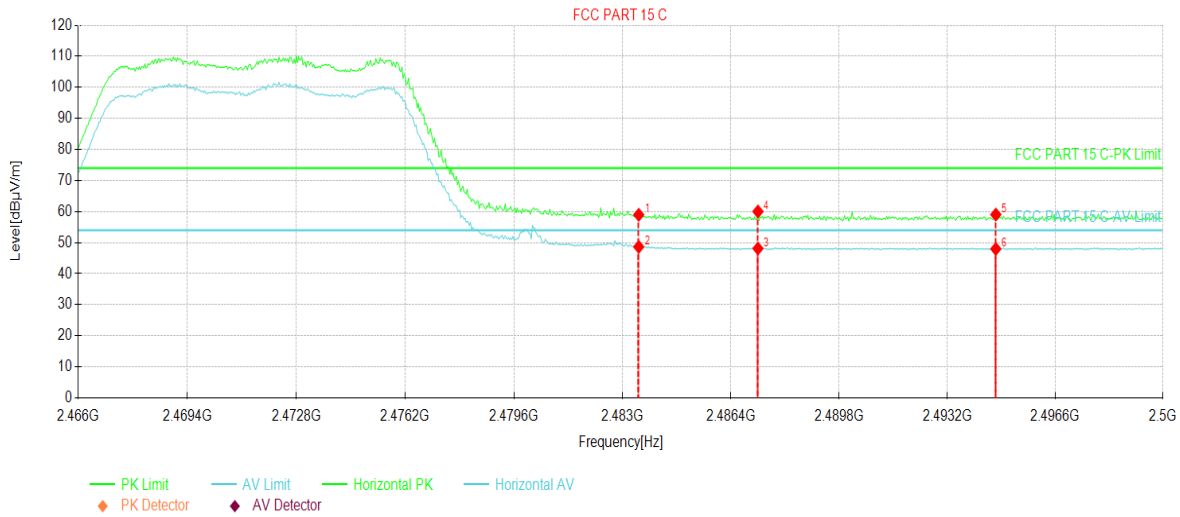
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.51	28.14	63.65	35.51	74.00	10.35	PK	Vertical
2	2483.51	16.17	51.68	35.51	54.00	2.32	AV	Vertical
3	2490.58	12.83	48.33	35.50	54.00	5.67	AV	Vertical
4	2490.58	24.19	59.69	35.50	74.00	14.31	PK	Vertical
5	2494.76	22.94	58.43	35.49	74.00	15.57	PK	Vertical
6	2494.76	12.47	47.96	35.49	54.00	6.04	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	10M QPSK Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		



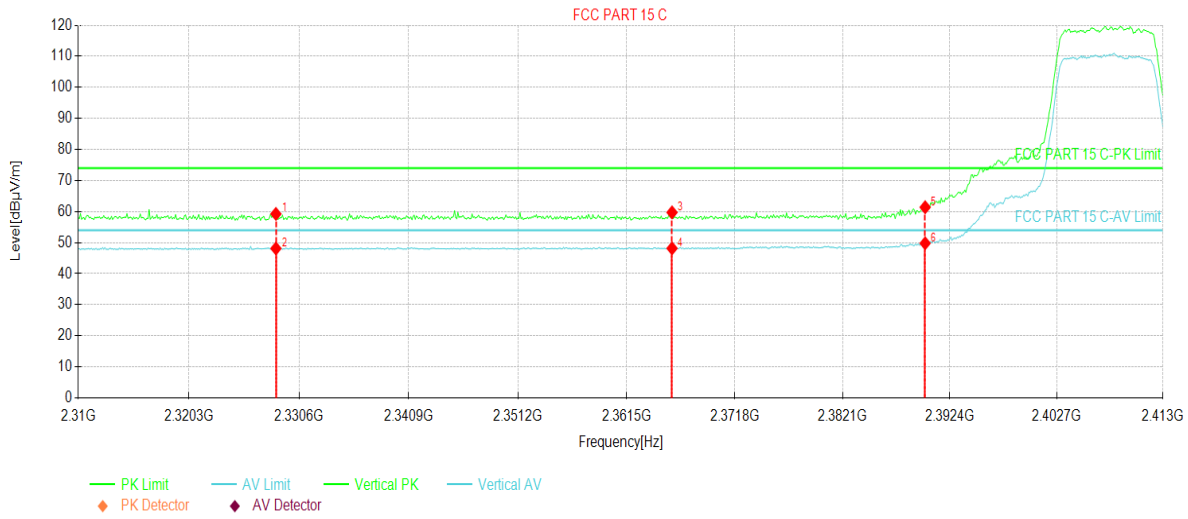
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.51	23.44	58.95	35.51	74.00	15.05	PK	Horizontal
2	2483.51	13.14	48.65	35.51	54.00	5.35	AV	Horizontal
3	2487.25	12.61	48.11	35.50	54.00	5.89	AV	Horizontal
4	2487.25	24.51	60.01	35.50	74.00	13.99	PK	Horizontal
5	2494.73	23.53	59.02	35.49	74.00	14.98	PK	Horizontal
6	2494.73	12.48	47.97	35.49	54.00	6.03	AV	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	10M 16QAM Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		



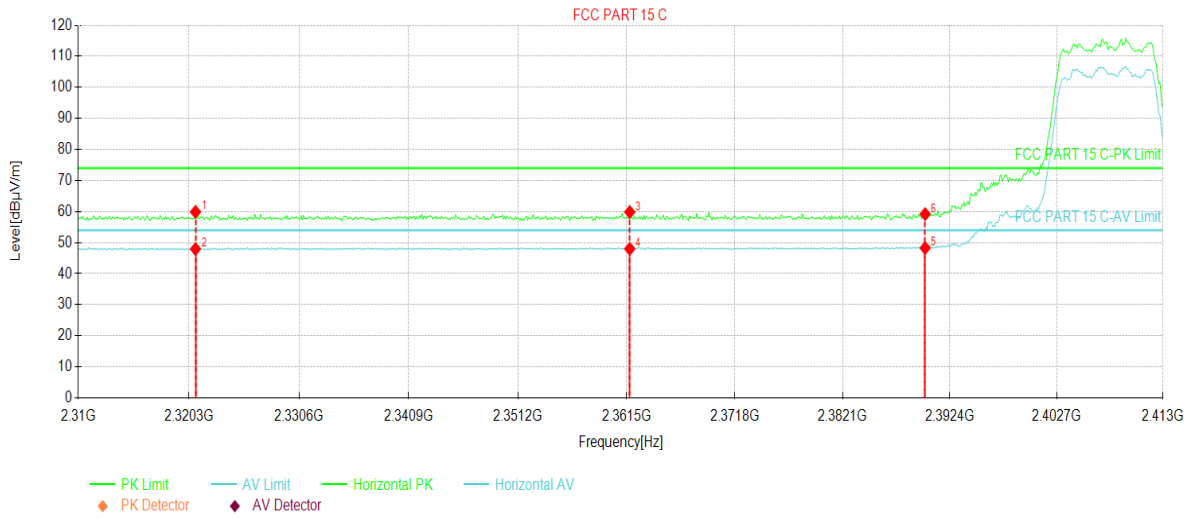
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2328.43	24.12	59.25	35.13	74.00	14.75	PK	Vertical
2	2328.43	12.98	48.11	35.13	54.00	5.89	AV	Vertical
3	2365.82	24.32	59.73	35.41	74.00	14.27	PK	Vertical
4	2365.82	12.74	48.15	35.41	54.00	5.85	AV	Vertical
5	2390.03	25.79	61.39	35.60	74.00	12.61	PK	Vertical
6	2390.03	14.19	49.79	35.60	54.00	4.21	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	10M 16QAM Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		

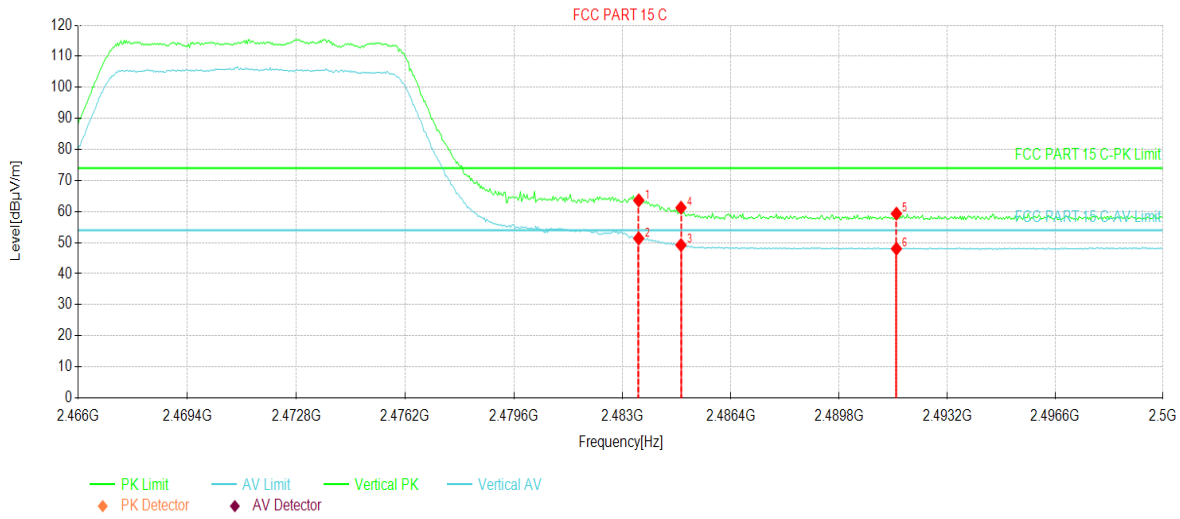


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2320.91	24.82	59.90	35.08	74.00	14.10	PK	Horizontal
2	2320.91	12.87	47.95	35.08	54.00	6.05	AV	Horizontal
3	2361.80	24.46	59.84	35.38	74.00	14.16	PK	Horizontal
4	2361.80	12.62	48.00	35.38	54.00	6.00	AV	Horizontal
5	2390.03	12.67	48.27	35.60	54.00	5.73	AV	Horizontal
6	2390.03	23.58	59.18	35.60	74.00	14.82	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	10M 16QAM Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		

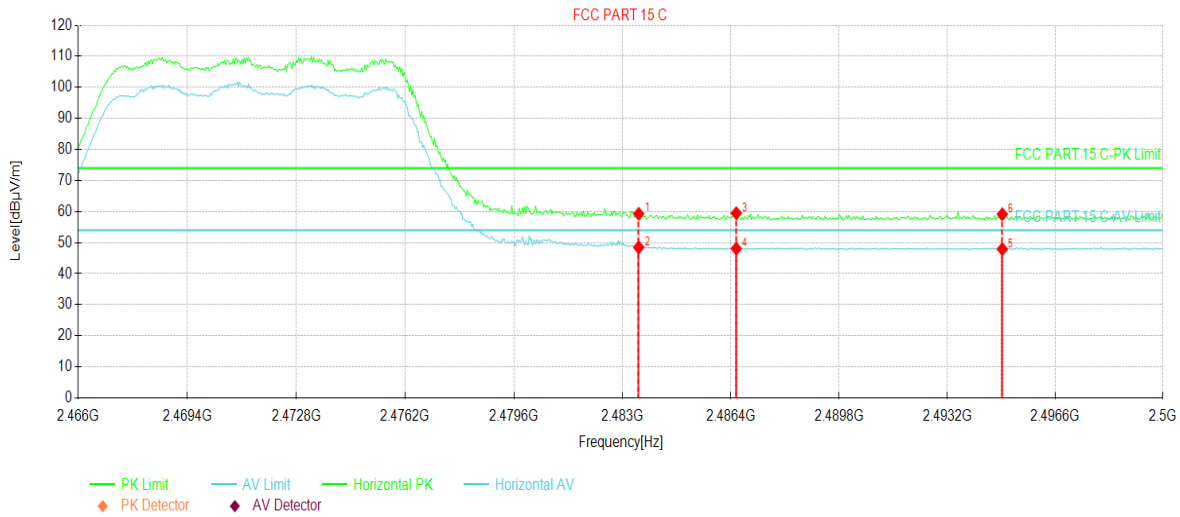


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.51	28.10	63.61	35.51	74.00	10.39	PK	Vertical
2	2483.51	15.86	51.37	35.51	54.00	2.63	AV	Vertical
3	2484.83	13.70	49.21	35.51	54.00	4.79	AV	Vertical
4	2484.83	25.74	61.25	35.51	74.00	12.75	PK	Vertical
5	2491.60	23.83	59.33	35.50	74.00	14.67	PK	Vertical
6	2491.60	12.52	48.02	35.50	54.00	5.98	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	10M 16QAM Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		



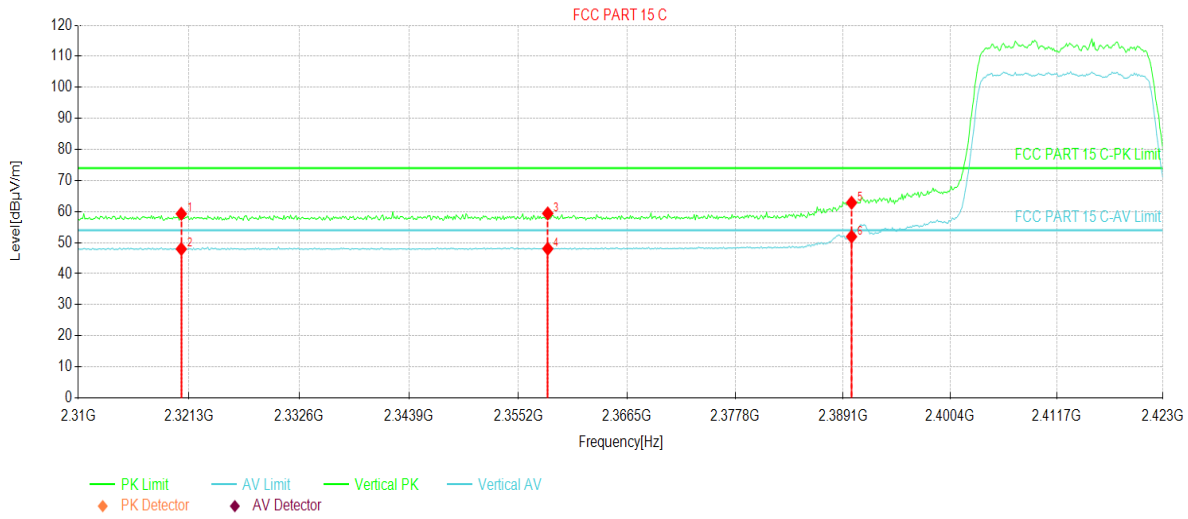
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.51	23.76	59.27	35.51	74.00	14.73	PK	Horizontal
2	2483.51	12.95	48.46	35.51	54.00	5.54	AV	Horizontal
3	2486.57	23.96	59.47	35.51	74.00	14.53	PK	Horizontal
4	2486.57	12.55	48.06	35.51	54.00	5.94	AV	Horizontal
5	2494.93	12.43	47.92	35.49	54.00	6.08	AV	Horizontal
6	2494.93	23.66	59.15	35.49	74.00	14.85	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	20M QPSK Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		

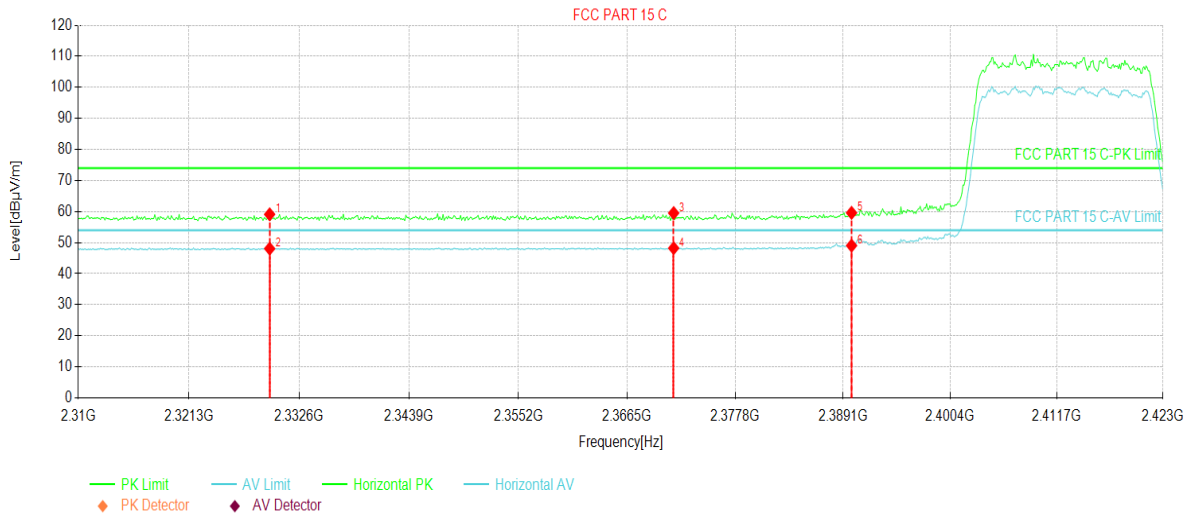


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2320.50	24.21	59.28	35.07	74.00	14.72	PK	Vertical
2	2320.50	12.87	47.94	35.07	54.00	6.06	AV	Vertical
3	2358.25	24.03	59.39	35.36	74.00	14.61	PK	Vertical
4	2358.25	12.66	48.02	35.36	54.00	5.98	AV	Vertical
5	2390.00	27.25	62.85	35.60	74.00	11.15	PK	Vertical
6	2390.00	16.34	51.94	35.60	54.00	2.06	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	20M QPSK Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		



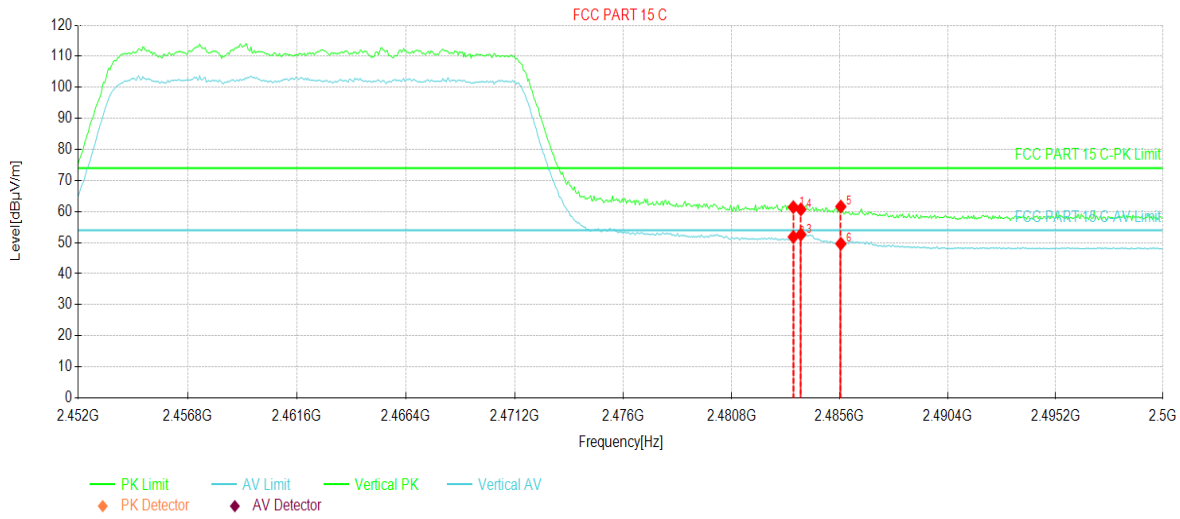
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2329.54	23.97	59.11	35.14	74.00	14.89	PK	Horizontal
2	2329.54	12.92	48.06	35.14	54.00	5.94	AV	Horizontal
3	2371.35	24.06	59.52	35.46	74.00	14.48	PK	Horizontal
4	2371.35	12.76	48.22	35.46	54.00	5.78	AV	Horizontal
5	2390.00	23.98	59.58	35.60	74.00	14.42	PK	Horizontal
6	2390.00	13.43	49.03	35.60	54.00	4.97	AV	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	20M QPSK Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		

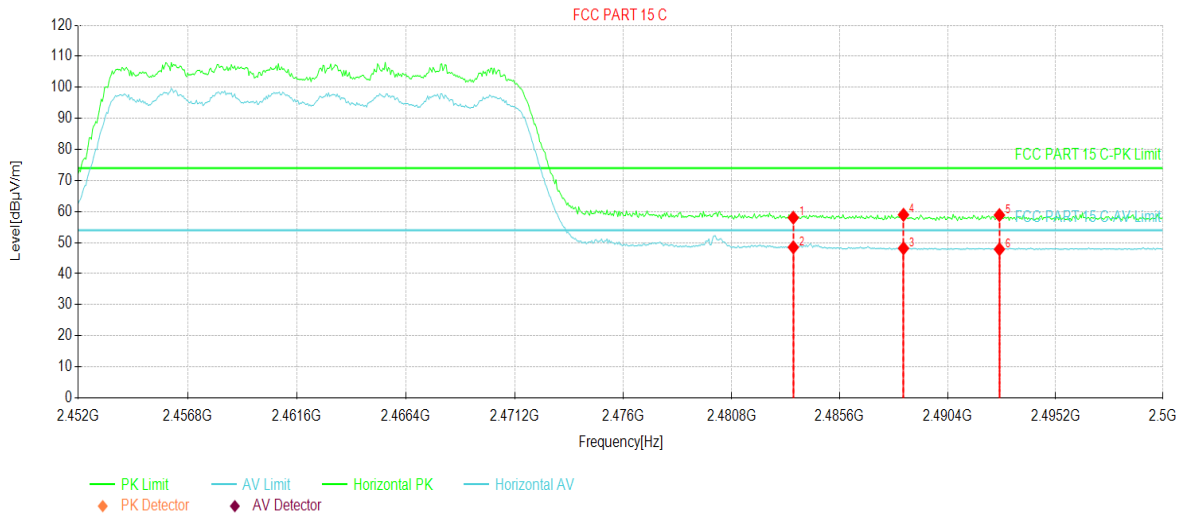


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.53	25.91	61.42	35.51	74.00	12.58	PK	Vertical
2	2483.53	16.32	51.83	35.51	54.00	2.17	AV	Vertical
3	2483.87	17.09	52.60	35.51	54.00	1.40	AV	Vertical
4	2483.87	25.19	60.70	35.51	74.00	13.30	PK	Vertical
5	2485.64	26.08	61.59	35.51	74.00	12.41	PK	Vertical
6	2485.64	14.13	49.64	35.51	54.00	4.36	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	20M QPSK Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		

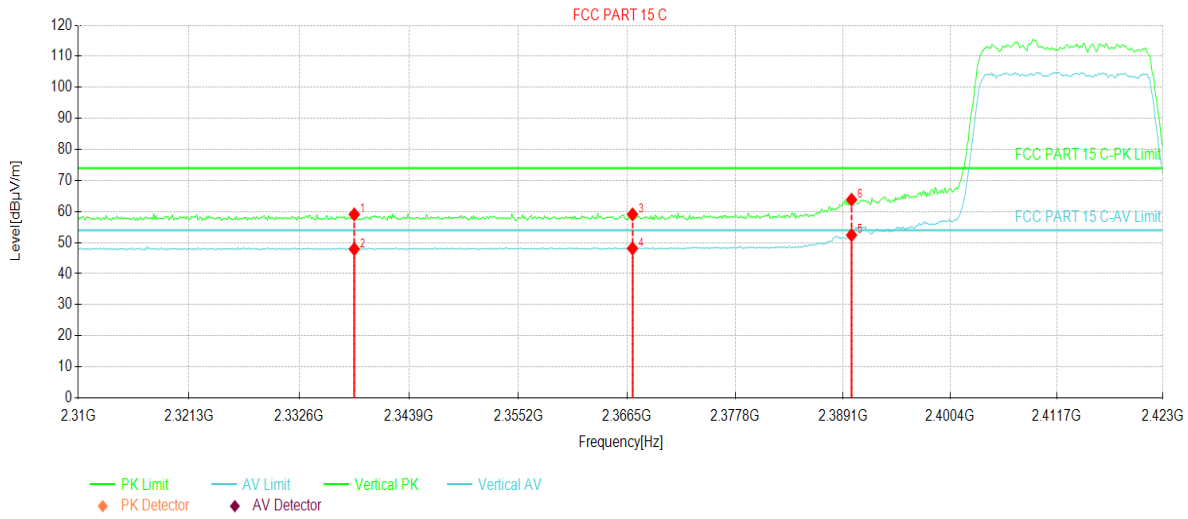


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.53	22.52	58.03	35.51	74.00	15.97	PK	Horizontal
2	2483.53	12.99	48.50	35.51	54.00	5.50	AV	Horizontal
3	2488.43	12.68	48.18	35.50	54.00	5.82	AV	Horizontal
4	2488.43	23.45	58.95	35.50	74.00	15.05	PK	Horizontal
5	2492.70	23.37	58.86	35.49	74.00	15.14	PK	Horizontal
6	2492.70	12.38	47.87	35.49	54.00	6.13	AV	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	20M 16QAM Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		



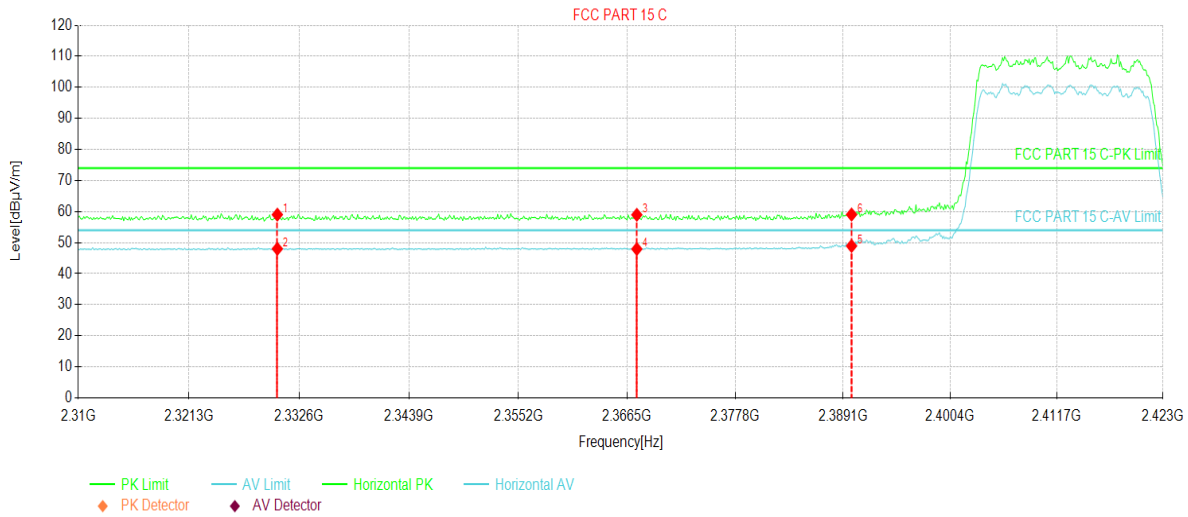
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2338.25	23.87	59.08	35.21	74.00	14.92	PK	Vertical
2	2338.25	12.72	47.93	35.21	54.00	6.07	AV	Vertical
3	2367.06	23.67	59.09	35.42	74.00	14.91	PK	Vertical
4	2367.06	12.72	48.14	35.42	54.00	5.86	AV	Vertical
5	2390.00	16.83	52.43	35.60	54.00	1.57	AV	Vertical
6	2390.00	28.25	63.85	35.60	74.00	10.15	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	20M 16QAM Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		



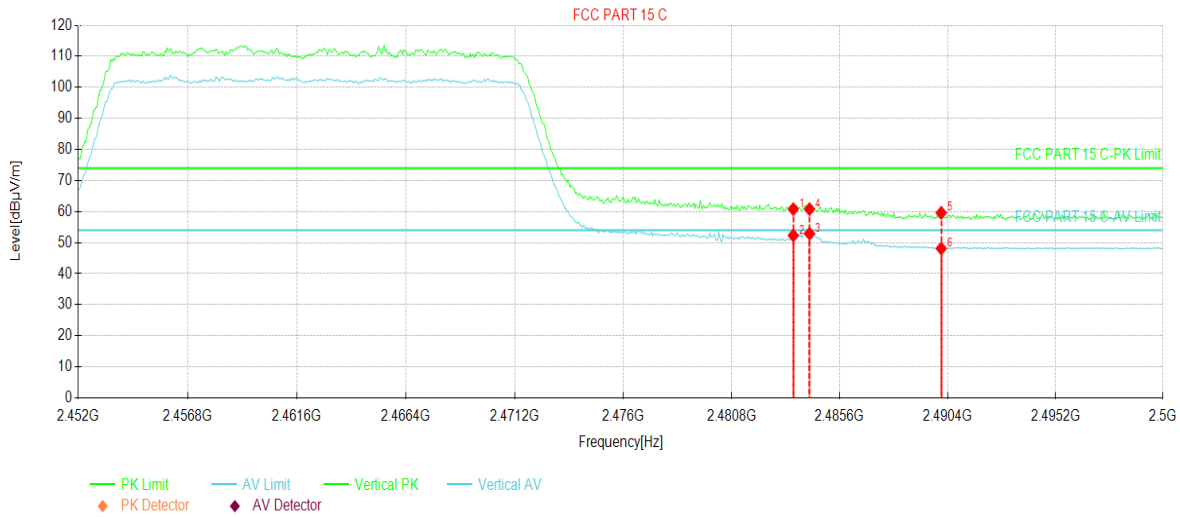
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2330.34	23.86	59.01	35.15	74.00	14.99	PK	Horizontal
2	2330.34	12.86	48.01	35.15	54.00	5.99	AV	Horizontal
3	2367.51	23.52	58.95	35.43	74.00	15.05	PK	Horizontal
4	2367.51	12.51	47.94	35.43	54.00	6.06	AV	Horizontal
5	2390.00	13.32	48.92	35.60	54.00	5.08	AV	Horizontal
6	2390.00	23.43	59.03	35.60	74.00	14.97	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	20M 16QAM Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		

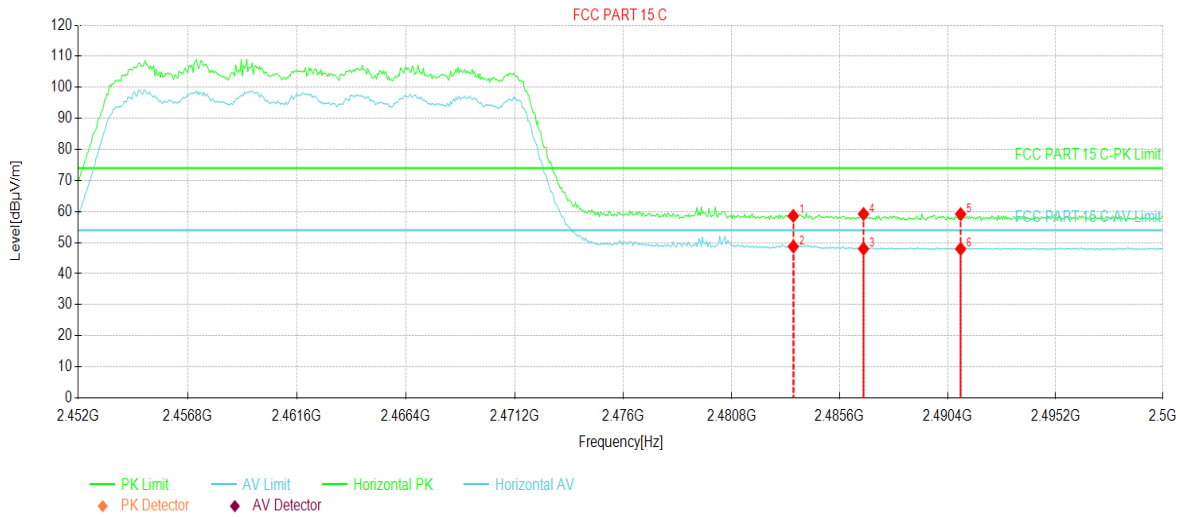


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.53	25.26	60.77	35.51	74.00	13.23	PK	Vertical
2	2483.53	16.80	52.31	35.51	54.00	1.69	AV	Vertical
3	2484.25	17.39	52.90	35.51	54.00	1.10	AV	Vertical
4	2484.25	25.28	60.79	35.51	74.00	13.21	PK	Vertical
5	2490.11	24.10	59.60	35.50	74.00	14.40	PK	Vertical
6	2490.11	12.62	48.12	35.50	54.00	5.88	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	20M 16QAM Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		



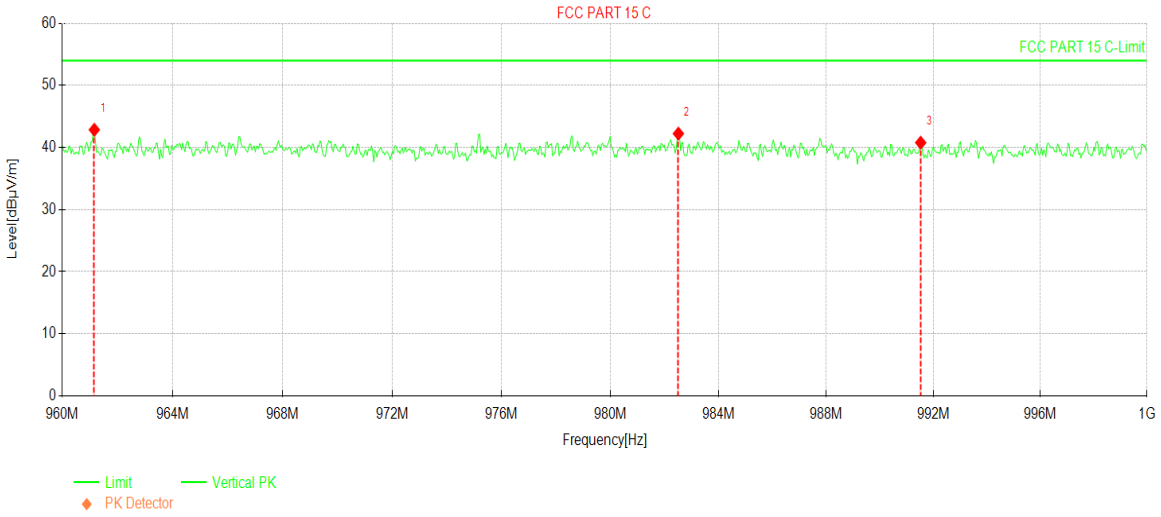
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	2483.53	23.10	58.61	35.51	74.00	15.39	PK	Horizontal
2	2483.53	13.23	48.74	35.51	54.00	5.26	AV	Horizontal
3	2486.65	12.51	48.02	35.51	54.00	5.98	AV	Horizontal
4	2486.65	23.71	59.22	35.51	74.00	14.78	PK	Horizontal
5	2490.97	23.69	59.19	35.50	74.00	14.81	PK	Horizontal
6	2490.97	12.49	47.99	35.50	54.00	6.01	AV	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

900MHz:

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	1.4M QPSK Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		

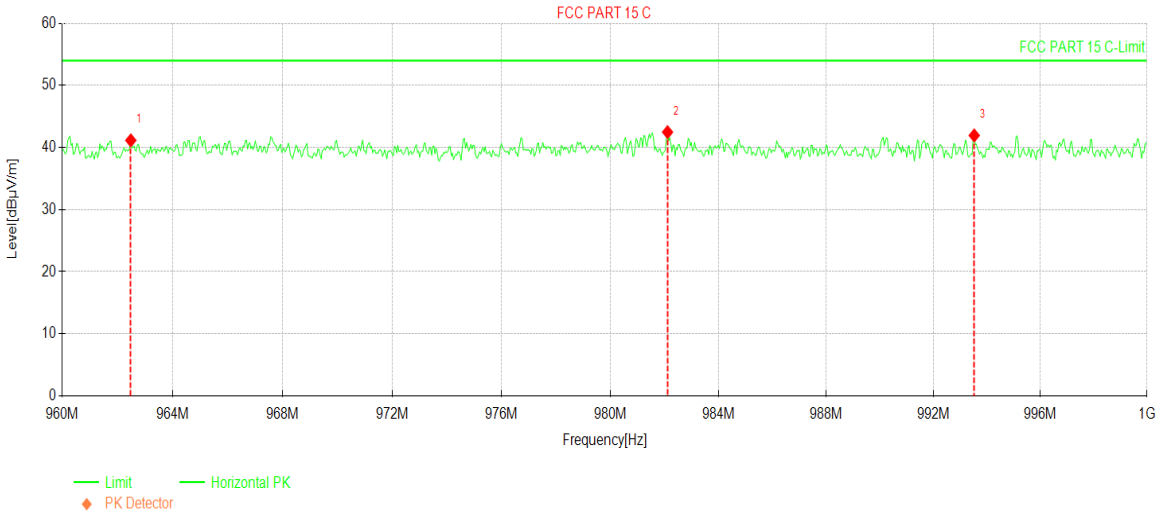


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	961.160	16.24	42.85	26.61	54.00	11.15	PK	Vertical
2	982.520	15.44	42.23	26.79	54.00	11.77	PK	Vertical
3	991.520	13.96	40.77	26.81	54.00	13.23	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	1.4M QPSK Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		

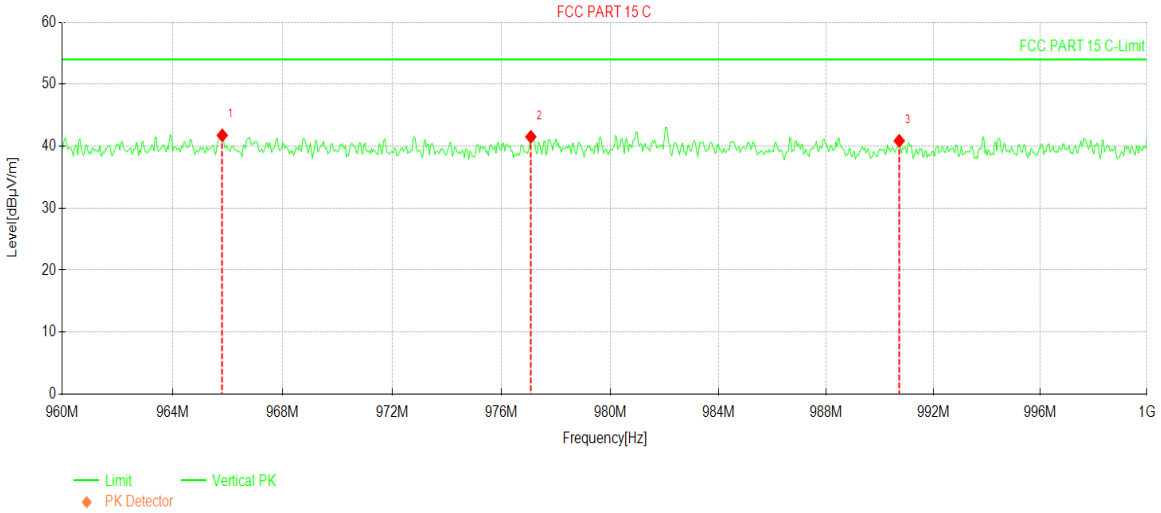


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	962.480	14.51	41.14	26.63	54.00	12.86	PK	Horizontal
2	982.120	15.68	42.47	26.79	54.00	11.53	PK	Horizontal
3	993.520	15.16	41.93	26.77	54.00	12.07	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	1.4M 16QAM Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		

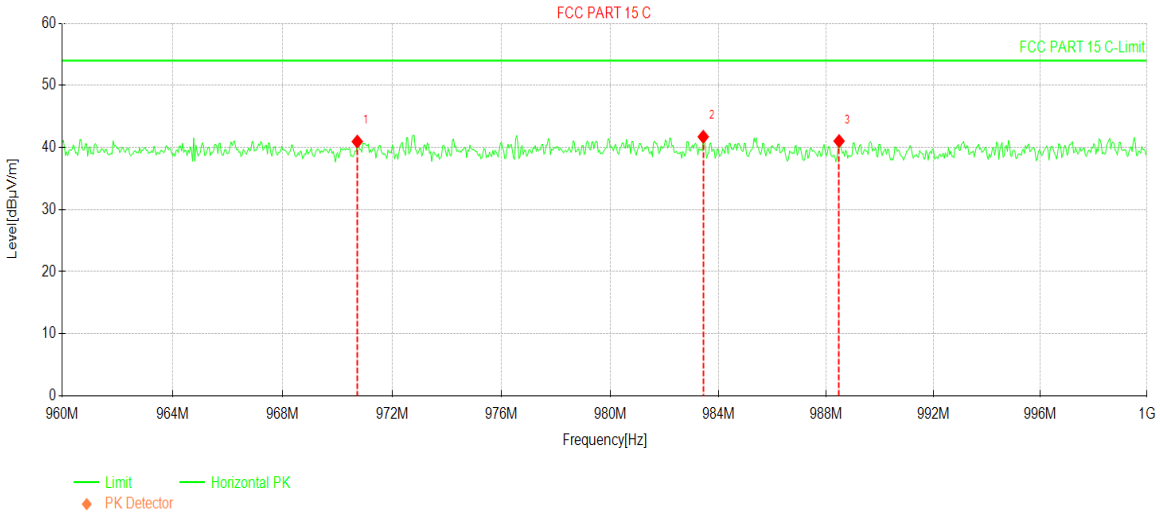


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	965.800	15.09	41.75	26.66	54.00	12.25	PK	Vertical
2	977.080	14.75	41.51	26.76	54.00	12.49	PK	Vertical
3	990.720	14.03	40.86	26.83	54.00	13.14	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	1.4M 16QAM Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		

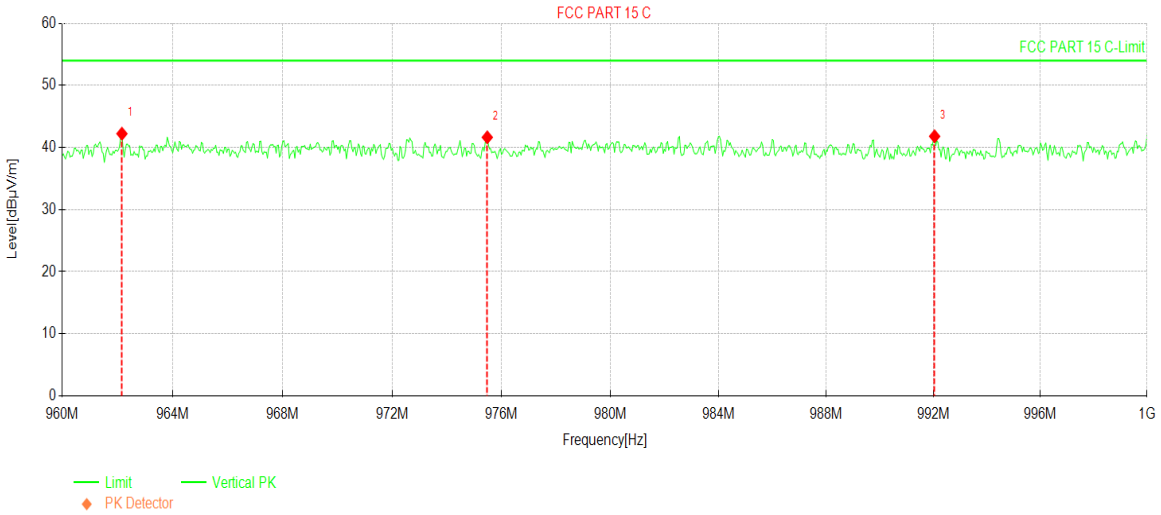


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	970.720	14.24	40.95	26.71	54.00	13.05	PK	Horizontal
2	983.440	14.92	41.72	26.80	54.00	12.28	PK	Horizontal
3	988.480	14.20	41.03	26.83	54.00	12.97	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	10M QPSK Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		

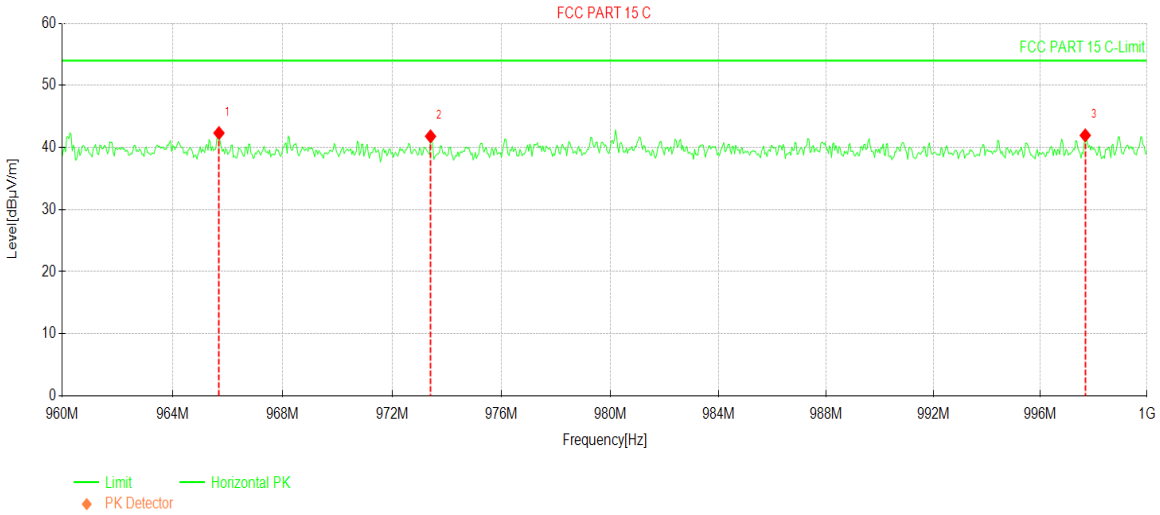


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	962.160	15.59	42.21	26.62	54.00	11.79	PK	Vertical
2	975.480	14.88	41.63	26.75	54.00	12.37	PK	Vertical
3	992.040	14.99	41.79	26.80	54.00	12.21	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	10M QPSK Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		

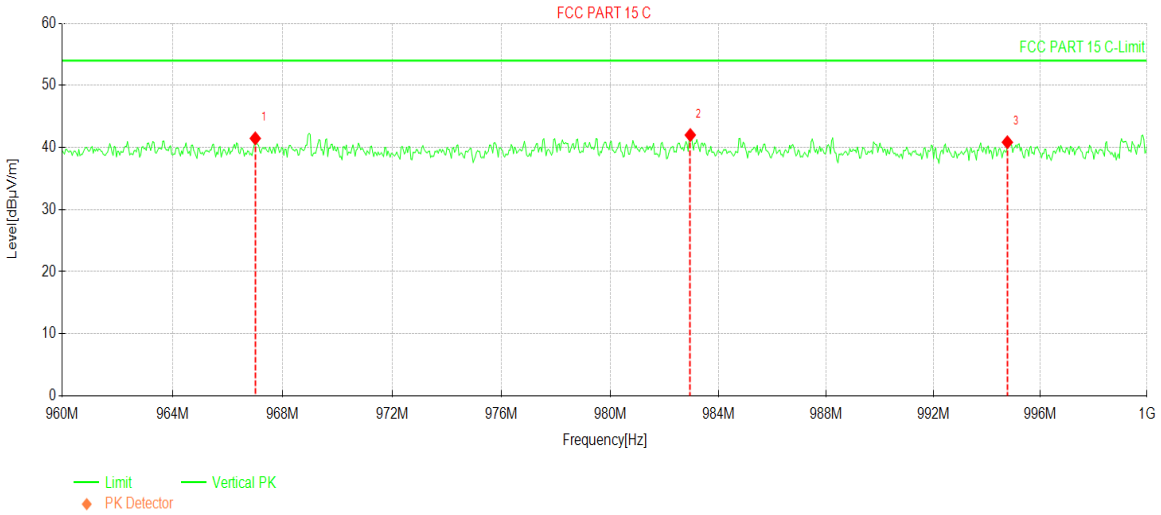


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	965.680	15.66	42.32	26.66	54.00	11.68	PK	Horizontal
2	973.400	15.06	41.79	26.73	54.00	12.21	PK	Horizontal
3	997.680	15.26	41.95	26.69	54.00	12.05	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	10M 16QAM Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		

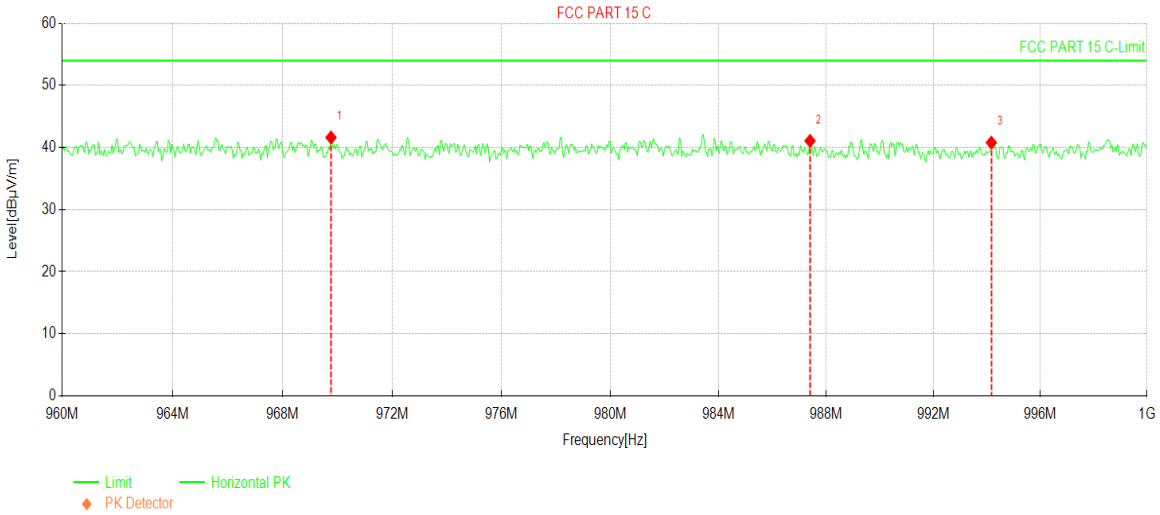


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	967.000	14.78	41.46	26.68	54.00	12.54	PK	Vertical
2	982.960	15.21	42.00	26.79	54.00	12.00	PK	Vertical
3	994.760	14.10	40.84	26.74	54.00	13.16	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	10M 16QAM Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		

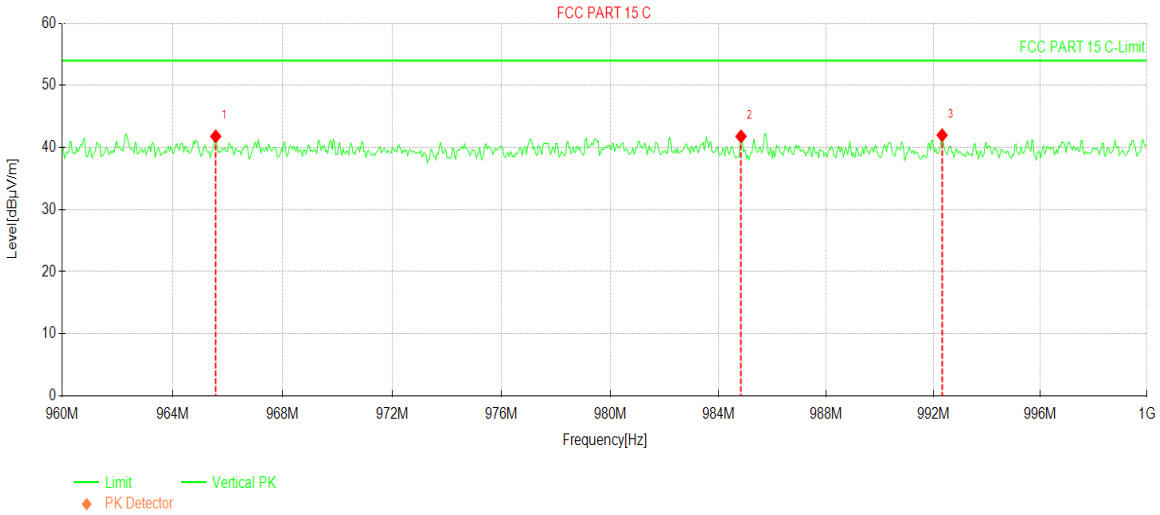


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	969.760	14.89	41.60	26.71	54.00	12.40	PK	Horizontal
2	987.400	14.24	41.06	26.82	54.00	12.94	PK	Horizontal
3	994.160	14.02	40.78	26.76	54.00	13.22	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	20M QPSK Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		

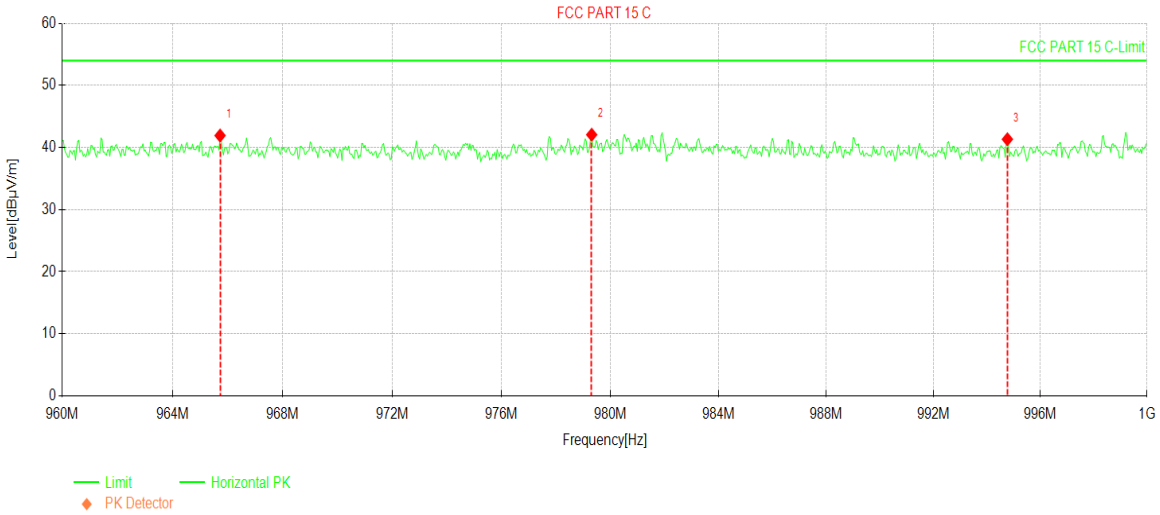


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	965.560	15.12	41.78	26.66	54.00	12.22	PK	Vertical
2	984.840	14.97	41.78	26.81	54.00	12.22	PK	Vertical
3	992.320	15.19	41.98	26.79	54.00	12.02	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	20M QPSK Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		

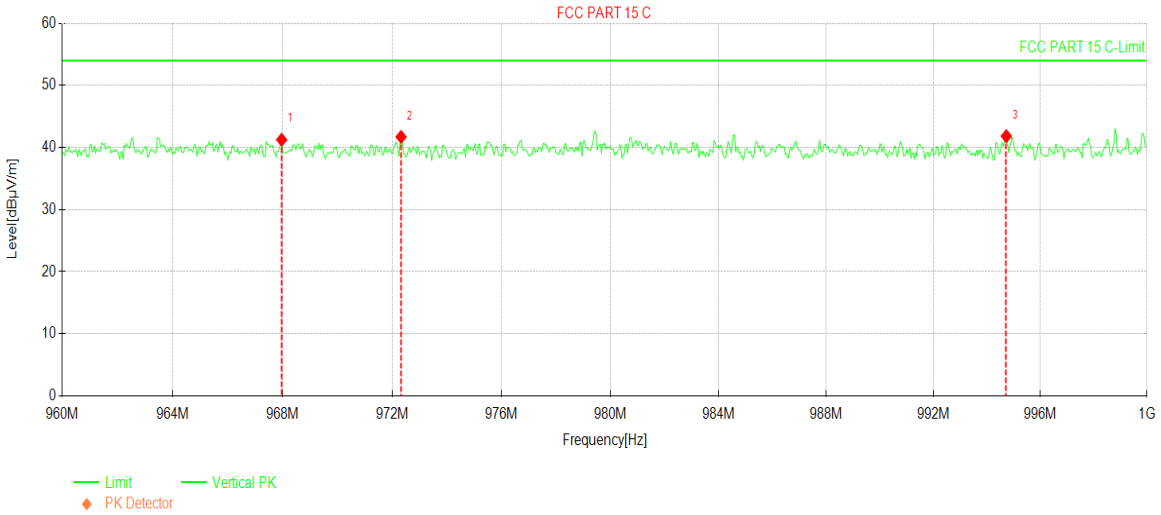


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	965.720	15.26	41.92	26.66	54.00	12.08	PK	Horizontal
2	979.320	15.28	42.05	26.77	54.00	11.95	PK	Horizontal
3	994.760	14.58	41.32	26.74	54.00	12.68	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	20M 16QAM Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	DC 11.55V		

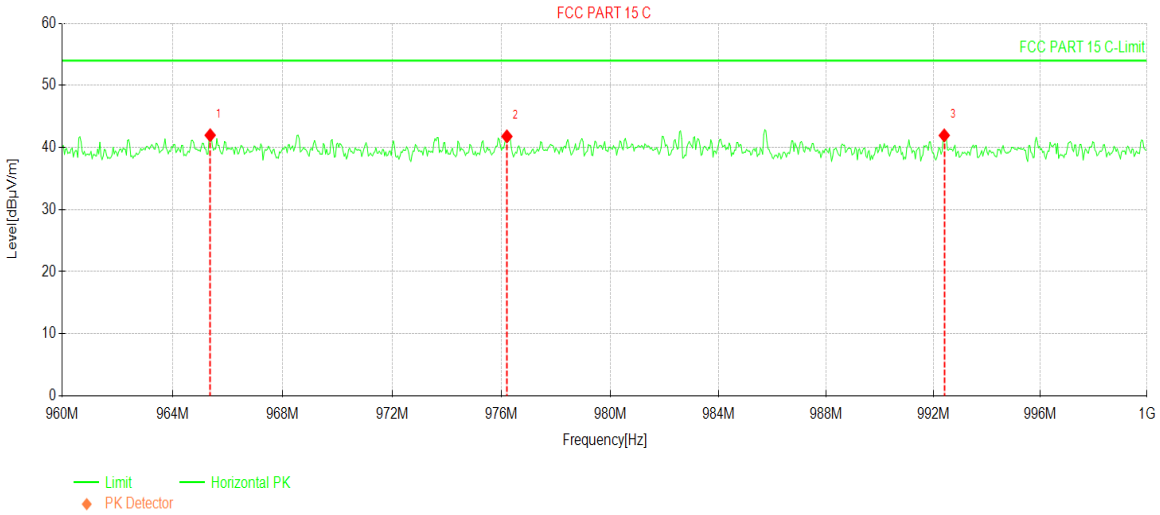


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	967.960	14.55	41.24	26.69	54.00	12.76	PK	Vertical
2	972.320	14.97	41.70	26.73	54.00	12.30	PK	Vertical
3	994.720	15.08	41.83	26.75	54.00	12.17	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	20M 16QAM Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	DC 11.55V		



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	965.360	15.31	41.97	26.66	54.00	12.03	PK	Horizontal
2	976.200	15.03	41.78	26.75	54.00	12.22	PK	Horizontal
3	992.400	15.15	41.94	26.79	54.00	12.06	PK	Horizontal

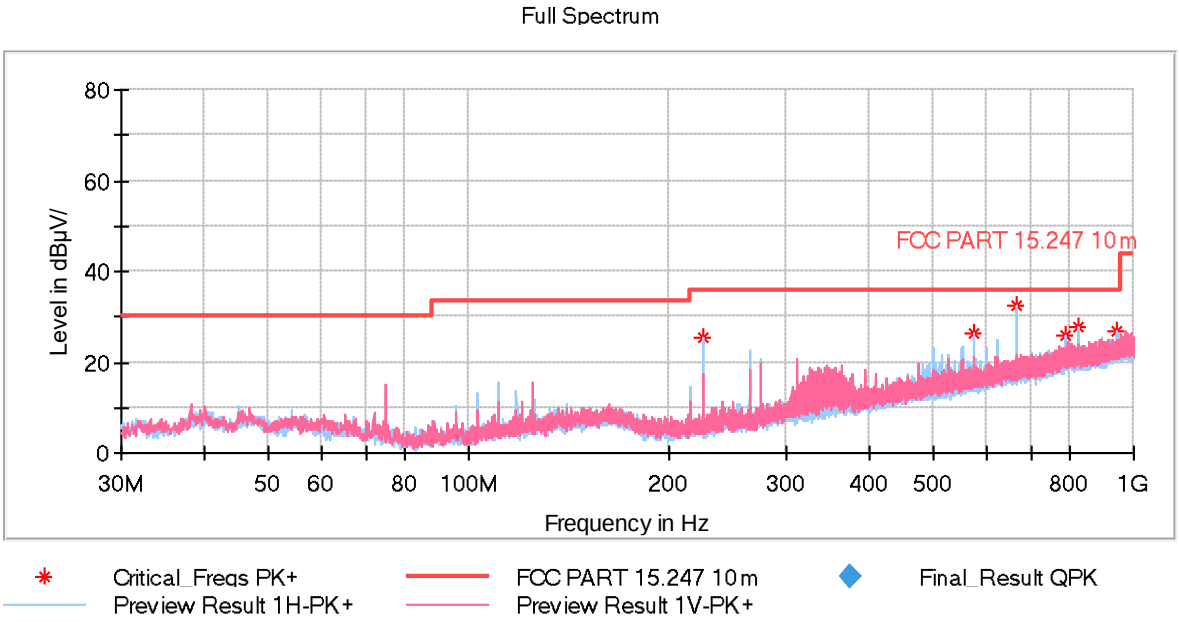
Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

6.4 Emissions in Non-restricted Frequency Bands

Below 1GHz:

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	2.4GHz mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical & Horizontal
Test Voltage:	DC 11.55V		

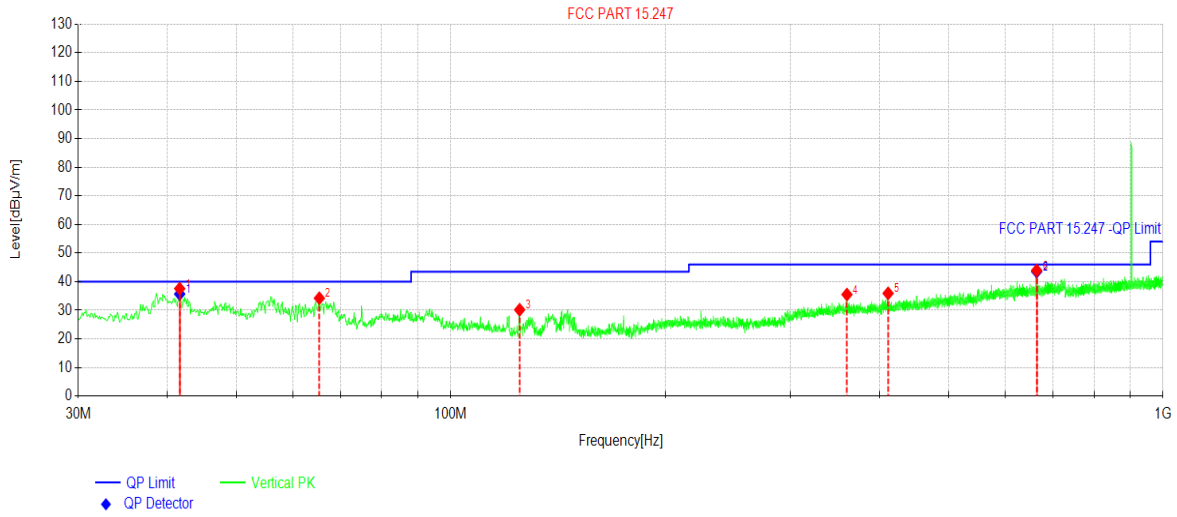


Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
792.032000	25.84	36.00	10.16	100.0	H	84.0	-3.1
224.970000	25.44	36.00	10.56	100.0	H	94.0	-17.6
574.994500	26.19	36.00	9.81	100.0	H	249.0	-8.1
664.622500	32.27	36.00	3.73	100.0	H	258.0	-6.1
825.012000	27.91	36.00	8.09	100.0	H	266.0	-2.7
945.049500	26.83	36.00	9.17	100.0	H	276.0	-1.0

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	900MHz mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	DC 11.55V		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	41.6412	23.09	37.58	14.49	40.00	2.42	PK	Vertical
2	65.4085	21.07	34.23	13.16	40.00	5.77	PK	Vertical
3	124.972	19.59	30.18	10.59	43.50	13.32	PK	Vertical
4	360.027	18.53	35.50	16.97	46.00	10.50	PK	Vertical
5	411.248	18.54	35.92	17.38	46.00	10.08	PK	Vertical
6	664.734	21.95	43.90	21.95	46.00	2.10	PK	Vertical

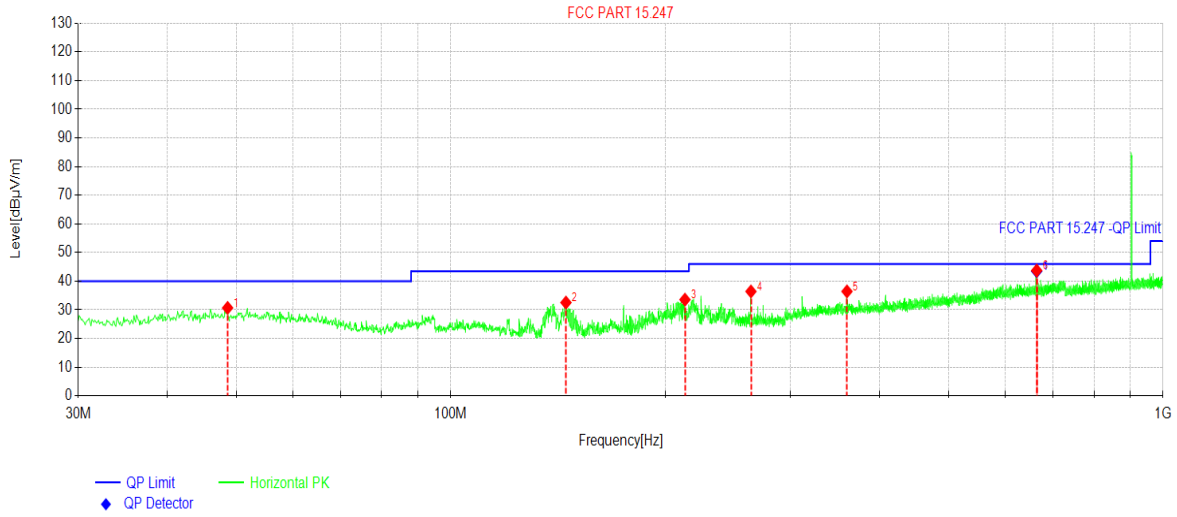
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	QP Reading [dBµV/m]	Angle [°]	Verdict
1	41.6412	14.49	35.70	40.00	2.30	22.21	262	PASS
2	664.734 5	21.95	43.54	46.00	2.46	21.79	339	PASS

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	EVO II V3	Product Model:	MDCV3
Test By:	Mike	Test mode:	900MHz mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	DC 11.55V		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	48.6259	15.56	30.71	15.15	40.00	9.29	PK	Horizontal
2	145.150	22.87	32.55	9.68	43.50	10.95	PK	Horizontal
3	213.251	20.23	33.58	13.35	43.50	9.92	PK	Horizontal
4	263.987	22.09	36.43	14.34	46.00	9.57	PK	Horizontal
5	360.027	19.48	36.45	16.97	46.00	9.55	PK	Horizontal
6	664.734	21.77	43.72	21.95	46.00	2.28	PK	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	QP Reading [dBµV/m]	Angle [°]	Verdict
1	664.734	21.95	43.49	46.00	2.51	20.14	112	PASS

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Above 1GHz

2.4G 1.4M-QPSK						
Test channel: Lowest channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4807.00	63.50	-9.58	53.92	74.00	20.08	Vertical
4807.00	64.42	-9.58	54.84	74.00	19.16	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4807.00	55.29	-9.58	45.71	54.00	8.29	Vertical
4807.00	56.95	-9.58	47.37	54.00	6.63	Horizontal
Test channel: Middle channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4879.00	63.86	-9.08	54.78	74.00	19.22	Vertical
4879.00	64.70	-9.08	55.62	74.00	18.38	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4879.00	55.36	-9.08	46.28	54.00	7.72	Vertical
4879.00	57.41	-9.08	48.33	54.00	5.67	Horizontal
Test channel: Highest channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4951.00	64.31	-8.53	55.78	74.00	18.22	Vertical
4951.00	64.97	-8.53	56.44	74.00	17.56	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4951.00	54.91	-8.53	46.38	54.00	7.62	Vertical
4951.00	57.15	-8.53	48.62	54.00	5.38	Horizontal

Remark:

1. *Level = Read level + Factor.*
2. *Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.*

900M 1.4M-QPSK						
Test channel: Lowest channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
1808.00	77.79	-21.46	56.33	74.00	17.67	Vertical
1808.00	74.90	-21.46	53.44	74.00	20.56	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
1808.00	71.71	-21.46	50.25	54.00	3.75	Vertical
1808.00	68.98	-21.46	47.52	54.00	6.48	Horizontal
Test channel: Middle channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
1830.00	77.33	-21.25	56.08	74.00	17.92	Vertical
1830.00	75.36	-21.25	54.11	74.00	19.89	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
1830.00	71.96	-21.25	50.71	54.00	3.29	Vertical
1830.00	68.63	-21.25	47.38	54.00	6.62	Horizontal
Test channel: Highest channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
1852.00	77.49	-21.02	56.47	74.00	17.53	Vertical
1852.00	68.39	-21.02	47.37	74.00	26.63	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
1852.00	71.96	-21.02	50.94	54.00	3.06	Vertical
1852.00	68.89	-21.02	47.87	54.00	6.13	Horizontal

Remark:

1. Level = Read level + Factor.

2. *Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.*

------End of report------