

# FCC RF Test Report

## (2.4G Wi-Fi)

**Report No.:** JYTSZ-R12-2400990G1  
**Applicant:** Dynamox SA  
**Address of Applicant:** Rua Coronel Luiz Caldeira, n 67 Condominio Ybira, Itacorubi, Florianópolis-SC, Brazil, 88034-110

**Equipment Under Test (EUT)**

Product Name: DynaGateway  
Model No.: DynaGateway LTE-S  
Trade Mark: N/A

**FCC ID:** 2AT3M-GTWLTE  
**Applicable Standards:** FCC CFR Title 47 Part 15C (§15.247)  
**Date of Sample Receipt:** 13 Aug., 2024  
**Date of Test:** 14 Aug., to 11 Nov., 2024  
**Date of Report Issued:** 11 Nov., 2024  
**Test Result:** PASS

**Project by:** \_\_\_\_\_

**Date:** 11 Nov., 2024

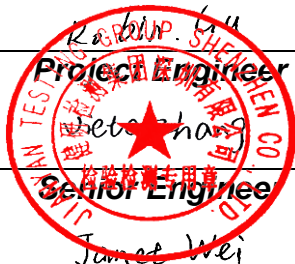
**Reviewed by:** \_\_\_\_\_

**Date:** 11 Nov., 2024

**Approved by:** \_\_\_\_\_

**Date:** 11 Nov., 2024

**Manager**



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.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

**1 Version**

Version No.	Date	Description
00	11 Nov., 2024	Original

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## 3 General Information

### 3.1 Client Information

Applicant:	Dynamox SA
Address:	Rua Coronel Luiz Caldeira, n 67 Condominio Ybira, Itacorubi, Florianópolis-SC, Brazil, 88034-110
Manufacturer/Factory:	Dynamox SA
Address:	Rua Coronel Luiz Caldeira, n 67 Condominio Ybira, Itacorubi, Florianópolis-SC, Brazil, 88034-110

### 3.2 General Description of E.U.T.

Product Name:	DynaGateway
Model No.:	DynaGateway LTE-S
Operation Frequency:	2412 MHz - 2462 MHz (802.11b, g, n-HT20) 2422 MHz - 2452 MHz (802.11n-HT40)
Channel Numbers:	11 (802.11b, g, n-HT20) 7 (802.11n-HT40)
Channel Separation:	5MHz
Modulation Technology: (IEEE 802.11b)	DSSS-DBPSK, DQPSK, CCK
Modulation Technology: (IEEE 802.11g/802.11n)	OFDM-BPSK, QPSK, 16QAM, 64QAM
Antenna Type:	Internal Antenna
Antenna Gain:	3.14 dBi (declare by applicant)
Antenna Transmit Mode:	SISO (1TX, 1RX)
Power Supply:	DC 12V-24V
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

### 3.3 Test Mode and Environment

<b>Test Mode:</b>	
Transmitting mode:	Keep the EUT in continuous transmitting with modulation
<b>Per-scan all kind of data rate, the follow list were the worst case:</b>	
Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n-HT20	6.5Mbps
802.11n-HT40	13.5Mbps
<b>Remark:</b>	
<ol style="list-style-type: none"> <li>For radiated spurious emission (below 1GHz), pre-scan 802.11b, g, n modulation mode, found 802.11b modulation mode was worse case mode. The report only reflects the test data of worst mode.</li> <li>Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report.</li> </ol>	
<b>Operating Environment:</b>	
Temperature:	15°C ~ 35°C
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 12.0Vdc
Test Engineer:	Real Chen (Radiated measurement)

### 3.4 Description of Test Auxiliary Equipment

The EUT has been tested as an independent unit.
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### 3.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Radiated Emission (30MHz ~ 200MHz) (3m SAC)	4.6 dB
Radiated Emission (200MHz ~ 1000MHz) (3m SAC)	5.8 dB
Radiated Emission (30MHz ~ 1GHz) (3m FAR)	3.43 dB
Radiated Emission (1GHz ~ 6GHz) (3m FAR)	4.95 dB
Radiated Emission (6GHz ~ 18GHz) (3m FAR)	5.23 dB
Radiated Emission (18GHz ~ 40GHz) (3m FAR)	5.32 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.

### 3.6 Additions to, Deviations, or Exclusions from the Method

No
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### 3.7 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>

### 3.8 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>

### 3.9 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	04-13-2026
Loop Antenna	Schwarzbeck	FMZB 1519 B	WXJ002-4	01-05-2024	01-04-2025
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	01-09-2024	01-08-2025
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	01-05-2024	01-04-2025
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	12-28-2023	12-27-2024
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	12-27-2023	12-26-2024
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXJ001-3	12-27-2023	12-26-2024
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	12-28-2023	12-27-2024
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	12-27-2023	12-26-2024
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-27-2023	12-26-2024
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ004-2	09-25-2023	09-24-2024
				09-09-2024	09-08-2025
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-17-2024	01-16-2025
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	01-17-2024	01-16-2025
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG001-7	01-17-2024	01-16-2025
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Radiated Emission(3m FAR):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m FAR	YUNYI	9m*6m*6m	WXJ097	06-15-2023	06-14-2028
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ097-2	07-01-2024	06-30-2025
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	07-01-2024	06-30-2027
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ097-3	06-16-2024	06-15-2025
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	12-28-2023	12-27-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	12-28-2023	12-27-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-6	12-28-2023	12-27-2024
Pre-amplifier (30MHz ~ 1GHz)	YUNYI	PAM-310N	WXJ097-5	04-24-2024	04-23-2025
Pre-amplifier (1GHz ~ 18GHz)	YUNYI	PAM-118N	WXJ097-6	04-24-2024	04-23-2025
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	12-28-2023	12-27-2024
EMI Test Receiver	Rohde & Schwarz	ESCI3	WXJ003	12-27-2023	12-26-2024
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-27-2023	12-26-2024
Spectrum Analyzer	KEYSIGHT	N9020B	WXJ081-1	06-11-2024	06-10-2025
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-13M	WXG097-1	07-30-2024	07-29-2025
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG097-2	07-30-2024	07-29-2025
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG097-3	07-30-2024	07-29-2025
High Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Low Band Reject Filter Group	Tonscend	JS0806-F	WXJ097-4	N/A	
Test Software	Tonscend	TS+	Version: 5.0.0		



## 4 Measurement Setup and Procedure

### 4.1 Test Channel

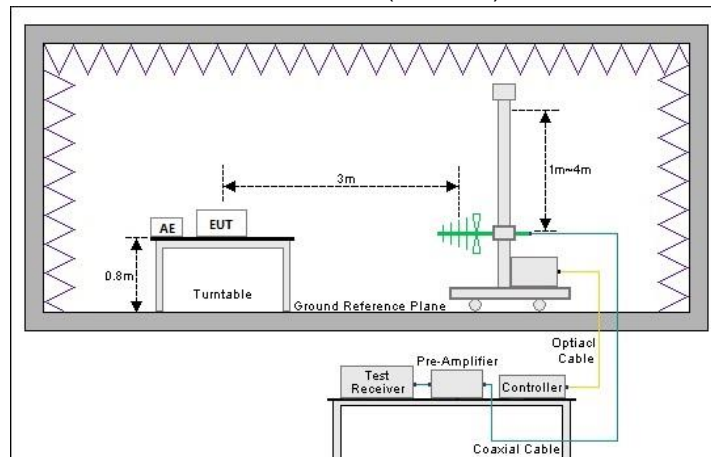
According to ANSI C63.10-2013 chapter 5.6.1 Table 4 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

802.11b, 802.11g, 802.11n-HT20					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	6	2437	11	2462
802.11n-HT40					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
3	2422	6	2437	9	2452

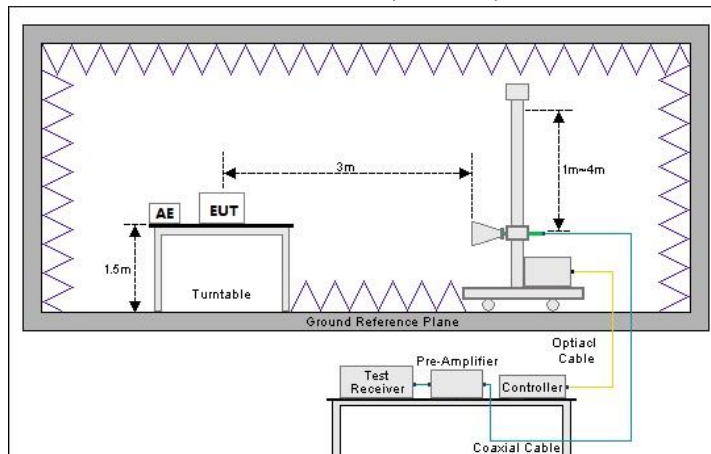
### 4.2 Test Setup

#### 1) Radiated emission measurement:

Below 1GHz (3m SAC)



Above 1GHz (3m FAR)



## 4.3 Test Procedure

Test method	Test step
Radiated emission	<p><b>For below 1GHz:</b></p> <ol style="list-style-type: none"> <li>1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m .</li> <li>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 &amp; 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.</li> <li>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.</li> </ol> <p><b>For above 1GHz:</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>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 &amp; 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.</li> <li>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.</li> </ol>

## 5 Test Results

### 5.1 Summary

#### 5.1.1 Clause and Data Summary

Test items	Standard clause	Test data	Result
Antenna Requirement	15.203 15.247 (b)(4)	See Section 5.2	Pass
AC Power Line Conducted Emission	15.207	N/A	N/A
Duty Cycle	ANSI C63.10-2013	Please refer to FCC ID:2AC7Z-ESPS3WROOM1U, Report No.:FR1D1609B.	Please refer to FCC ID:2AC7Z-ESPS3WROOM1U, Report No.:FR1D1609B.
Conducted Output Power	15.247 (b)(3)	Please refer to FCC ID:2AC7Z-ESPS3WROOM1U, Report No.:FR1D1609B.	Please refer to FCC ID:2AC7Z-ESPS3WROOM1U, Report No.:FR1D1609B.
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Please refer to FCC ID:2AC7Z-ESPS3WROOM1U, Report No.:FR1D1609B.	Please refer to FCC ID:2AC7Z-ESPS3WROOM1U, Report No.:FR1D1609B.
Power Spectral Density	15.247 (e)	Please refer to FCC ID:2AC7Z-ESPS3WROOM1U, Report No.:FR1D1609B.	Please refer to FCC ID:2AC7Z-ESPS3WROOM1U, Report No.:FR1D1609B.
Band-edge Emission Conduction Spurious Emission	15.247 (d)	Please refer to FCC ID:2AC7Z-ESPS3WROOM1U, Report No.:FR1D1609B.	Please refer to FCC ID:2AC7Z-ESPS3WROOM1U, Report No.:FR1D1609B.
Emissions in Restricted Frequency Bands	15.205 15.247 (d)	See Section 5.4	Pass
Emissions in Non-restricted Frequency Bands	15.209 15.247(d)	See Section 5.5	Pass
<b>Remark:</b>			
1. Pass: The EUT complies with the essential requirements in the standard.			
2. Please refer to FCC ID:2AC7Z-ESPS3WROOM1U, Report No.:FR1D1609B issue by Sporton International Inc.(Kunshan)			
<b>Test Method:</b>	ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02		

## 5.1.2 Test Limit

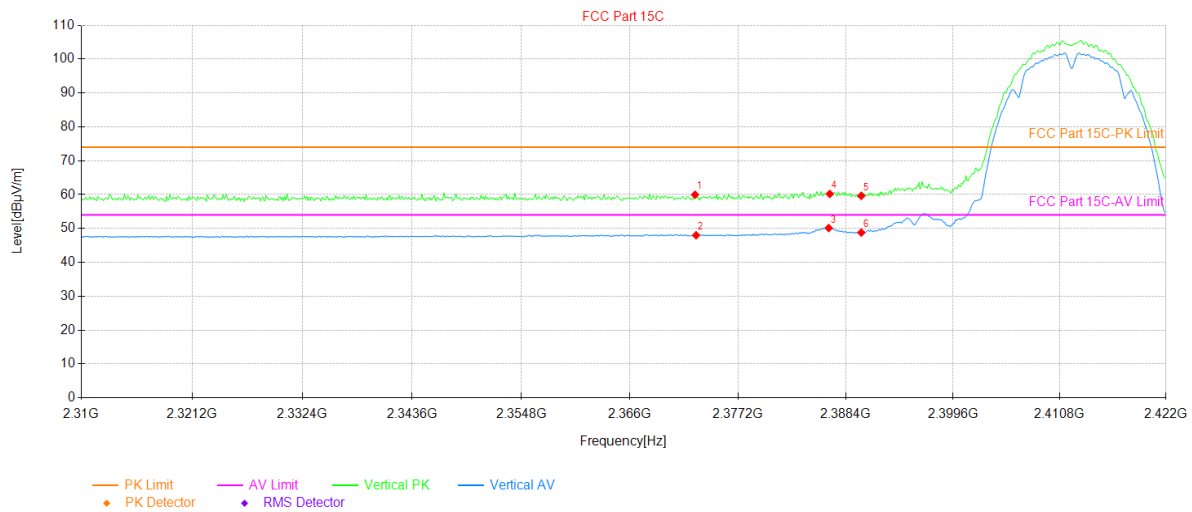
Test items	Limit																														
Conducted Output Power	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.																														
6dB Emission Bandwidth	The minimum 6 dB bandwidth shall be at least 500 kHz.																														
99% Occupied Bandwidth	N/A																														
Power Spectral Density	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.																														
Band-edge Emission  Conduction Spurious Emission	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)).																														
Emissions in Restricted Frequency Bands  Emissions in Non-restricted Frequency Bands	<table border="1"> <thead> <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> </thead> <tbody> <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> </tbody> </table> <p><b>Note:</b> The more stringent limit applies at transition frequencies.</p> <table border="1"> <thead> <tr> <th rowspan="2">Frequency</th> <th colspan="2">Limit (dBµV/m) @ 3m</th> </tr> <tr> <th>Average</th> <th>Peake</th> </tr> </thead> <tbody> <tr> <td>Above 1 GHz</td> <td>54.0</td> <td>74.0</td> </tr> </tbody> </table> <p><b>Note:</b> The measurement bandwidth shall be 1 MHz or greater.</p>	Frequency (MHz)	Limit (dBµV/m)		Detector	@ 3m	@ 10m	30 – 88	40.0	30.0	Quasi-peak	88 – 216	43.5	33.5	Quasi-peak	216 – 960	46.0	36.0	Quasi-peak	960 – 1000	54.0	44.0	Quasi-peak	Frequency	Limit (dBµV/m) @ 3m		Average	Peake	Above 1 GHz	54.0	74.0
Frequency (MHz)	Limit (dBµV/m)		Detector																												
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	Average	Peake																													
Above 1 GHz	54.0	74.0																													

**5.2 Antenna Requirement**

<b>Standard Requirement:</b>	FCC Part 15 C Section 15.203/15.247 (b)(4)
<p><b>15.203 requirement:</b>                  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.</p> <p><b>15.247 (b)(4) requirement:</b>                  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.</p>	
<b>E.U.T Antenna:</b>	
<p>The Wi-Fi antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is 3.14 dBi. See product internal photos for details.</p>	

## 5.3 Emissions in Restricted Frequency Bands

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11b Tx mode
<b>Test Channel:</b>	Lowest channel	<b>Polarization:</b>	Vertical
<b>Test Voltage:</b>	DC 12V		

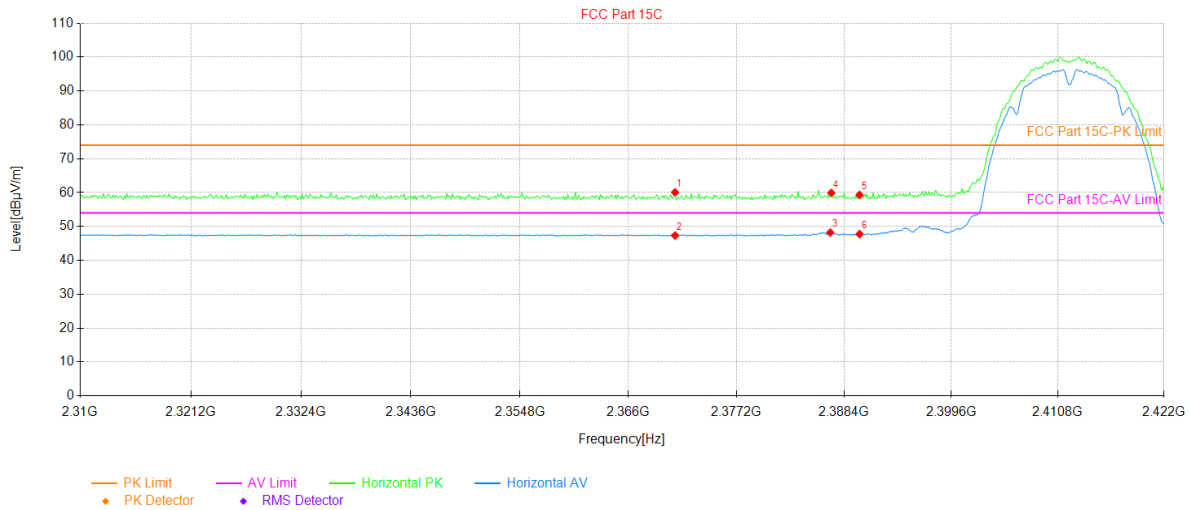


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2372.72	23.57	36.39	59.96	74.00	14.04	354	PK	PASS	Vertical
2	2372.83	11.61	36.39	48.00	54.00	6.00	61	AV	PASS	Vertical
3	2386.61	13.68	36.45	50.13	54.00	3.87	53	AV	PASS	Vertical
4	2386.72	23.75	36.45	60.20	74.00	13.80	57	PK	PASS	Vertical
5	2390.00	23.17	36.47	59.64	74.00	14.36	109	PK	PASS	Vertical
6	2390.00	12.32	36.47	48.79	54.00	5.21	46	AV	PASS	Vertical

**Remark:**

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

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11b Tx mode
<b>Test Channel:</b>	Lowest channel	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	DC 12V		

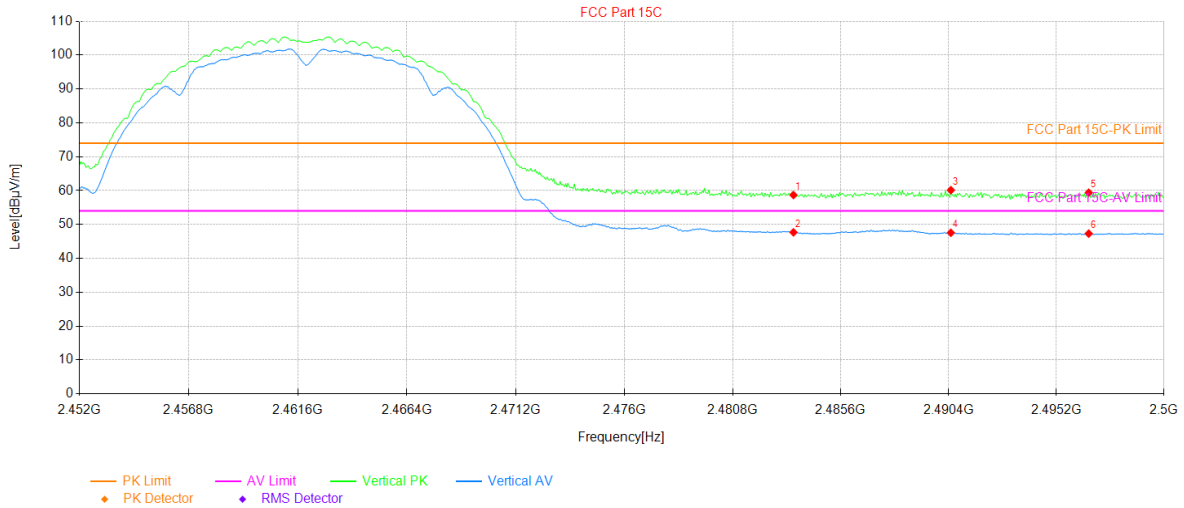


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2370.82	23.72	36.37	60.09	74.00	13.91	37	PK	PASS	Horizontal
2	2370.82	10.97	36.37	47.34	54.00	6.66	288	AV	PASS	Horizontal
3	2386.94	11.76	36.45	48.21	54.00	5.79	116	AV	PASS	Horizontal
4	2387.06	23.47	36.45	59.92	74.00	14.08	296	PK	PASS	Horizontal
5	2390.00	22.83	36.47	59.30	74.00	14.70	172	PK	PASS	Horizontal
6	2390.00	11.28	36.47	47.75	54.00	6.25	288	AV	PASS	Horizontal

**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor)

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11b Tx mode
<b>Test Channel:</b>	Highest channel	<b>Polarization:</b>	Vertical
<b>Test Voltage:</b>	DC 12V		



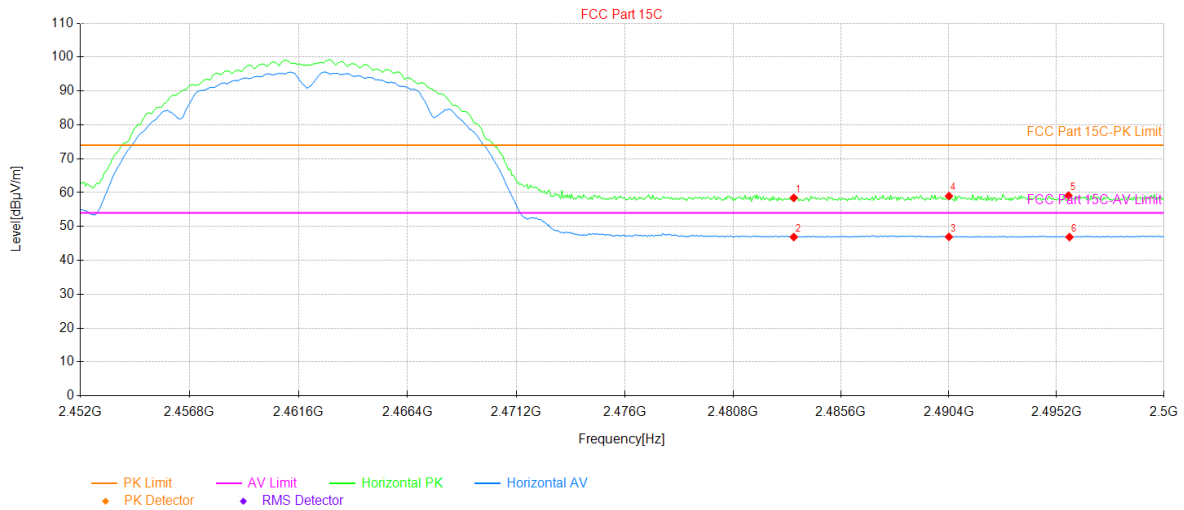
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	22.57	36.11	58.68	74.00	15.32	335	PK	PASS	Vertical
2	2483.50	11.57	36.11	47.68	54.00	6.32	54	AV	PASS	Vertical
3	2490.50	24.00	36.14	60.14	74.00	13.86	4	PK	PASS	Vertical
4	2490.50	11.42	36.14	47.56	54.00	6.44	61	AV	PASS	Vertical
5	2496.64	23.24	36.16	59.40	74.00	14.60	232	PK	PASS	Vertical
6	2496.64	11.14	36.16	47.30	54.00	6.70	168	AV	PASS	Vertical

**Remark:**

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



<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11b Tx mode
<b>Test Channel:</b>	Highest channel	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	DC 12V		

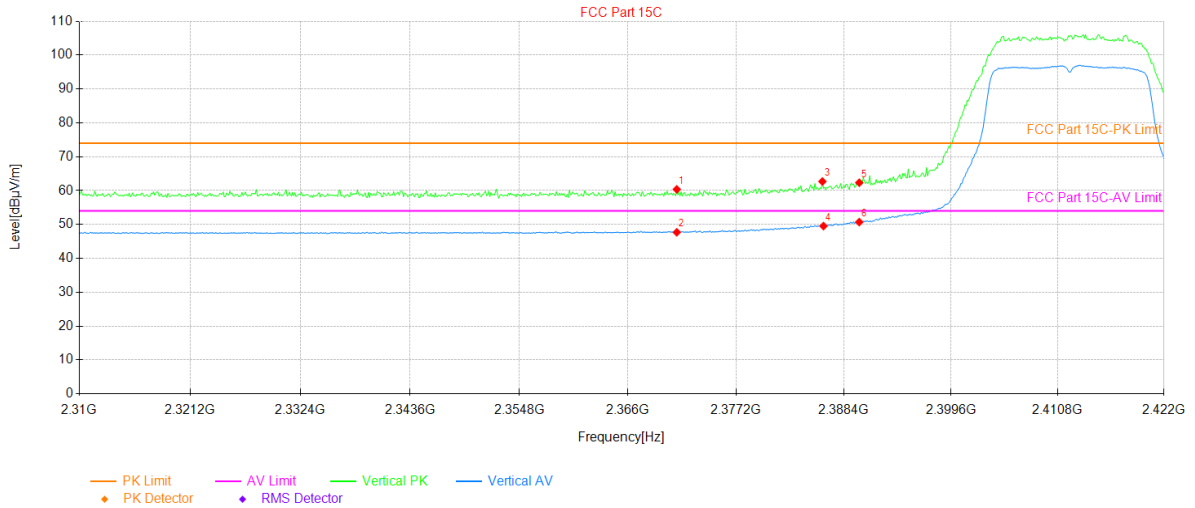


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	22.32	36.11	58.43	74.00	15.57	42	PK	PASS	Horizontal
2	2483.50	10.77	36.11	46.88	54.00	7.12	210	AV	PASS	Horizontal
3	2490.40	10.81	36.14	46.95	54.00	7.05	179	AV	PASS	Horizontal
4	2490.40	22.84	36.14	58.98	74.00	15.02	23	PK	PASS	Horizontal
5	2495.73	22.95	36.16	59.11	74.00	14.89	344	PK	PASS	Horizontal
6	2495.78	10.72	36.16	46.88	54.00	7.12	260	AV	PASS	Horizontal

**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor)

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11g Tx mode
<b>Test Channel:</b>	Lowest channel	<b>Polarization:</b>	Vertical
<b>Test Voltage:</b>	DC 12V		

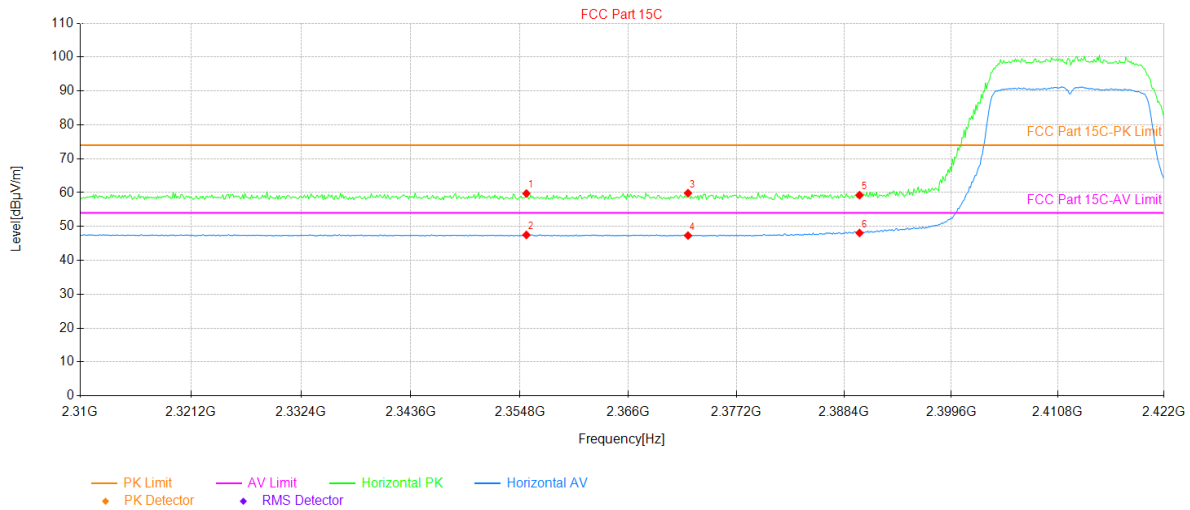


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2371.04	24.00	36.37	60.37	74.00	13.63	348	PK	PASS	Vertical
2	2371.04	11.33	36.37	47.70	54.00	6.30	50	AV	PASS	Vertical
3	2386.16	26.24	36.45	62.69	74.00	11.31	50	PK	PASS	Vertical
4	2386.27	13.08	36.45	49.53	54.00	4.47	57	AV	PASS	Vertical
5	2390.00	25.86	36.47	62.33	74.00	11.67	46	PK	PASS	Vertical
6	2390.00	14.24	36.47	50.71	54.00	3.29	57	AV	PASS	Vertical

**Remark:**

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

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11g Tx mode
<b>Test Channel:</b>	Lowest channel	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	DC 12V		

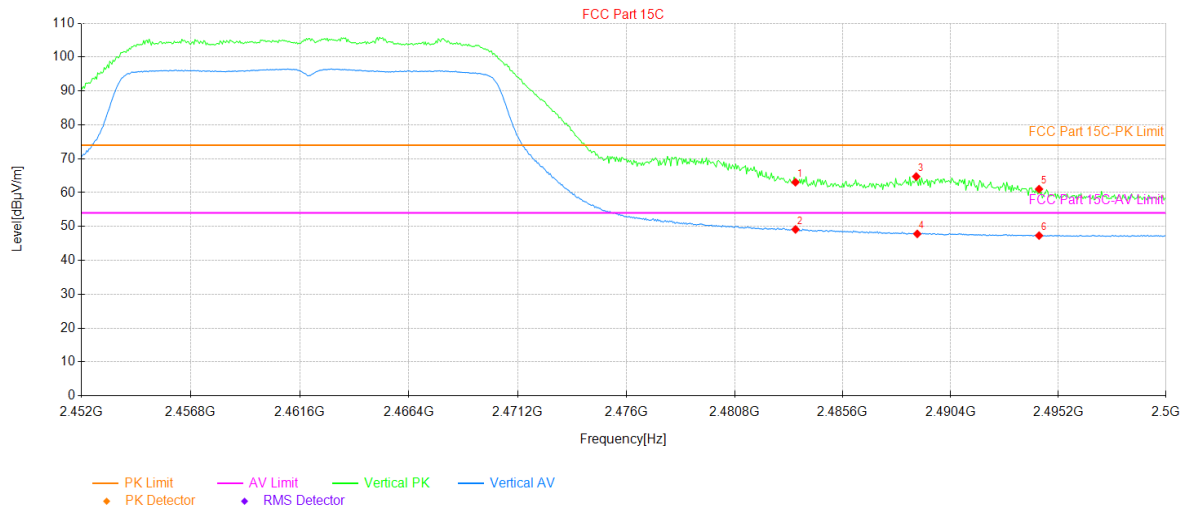


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2355.47	23.43	36.30	59.73	74.00	14.27	75	PK	PASS	Horizontal
2	2355.47	11.21	36.30	47.51	54.00	6.49	188	AV	PASS	Horizontal
3	2372.16	23.46	36.38	59.84	74.00	14.16	232	PK	PASS	Horizontal
4	2372.16	10.93	36.38	47.31	54.00	6.69	173	AV	PASS	Horizontal
5	2390.00	22.78	36.47	59.25	74.00	14.75	113	PK	PASS	Horizontal
6	2390.00	11.61	36.47	48.08	54.00	5.92	288	AV	PASS	Horizontal

**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor)

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11g Tx mode
<b>Test Channel:</b>	Highest channel	<b>Polarization:</b>	Vertical
<b>Test Voltage:</b>	DC 12V		

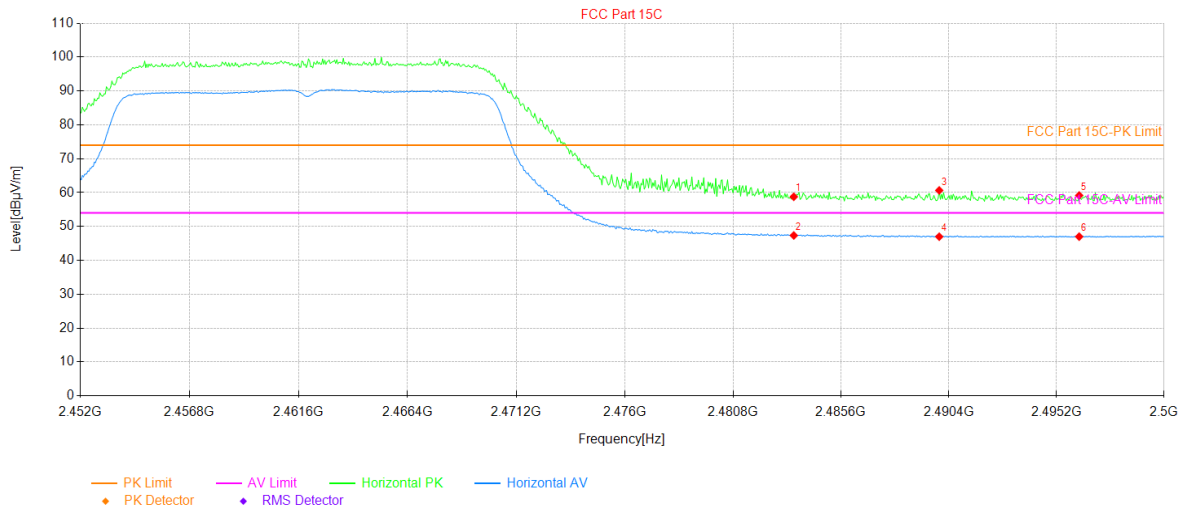


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	26.94	36.11	63.05	74.00	10.95	57	PK	PASS	Vertical
2	2483.50	13.02	36.11	49.13	54.00	4.87	57	AV	PASS	Vertical
3	2488.86	28.62	36.13	64.75	74.00	9.25	2	PK	PASS	Vertical
4	2488.91	11.69	36.13	47.82	54.00	6.18	4	AV	PASS	Vertical
5	2494.34	24.89	36.15	61.04	74.00	12.96	79	PK	PASS	Vertical
6	2494.34	11.16	36.15	47.31	54.00	6.69	49	AV	PASS	Vertical

**Remark:**

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

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11g Tx mode
<b>Test Channel:</b>	Highest channel	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	DC 12V		

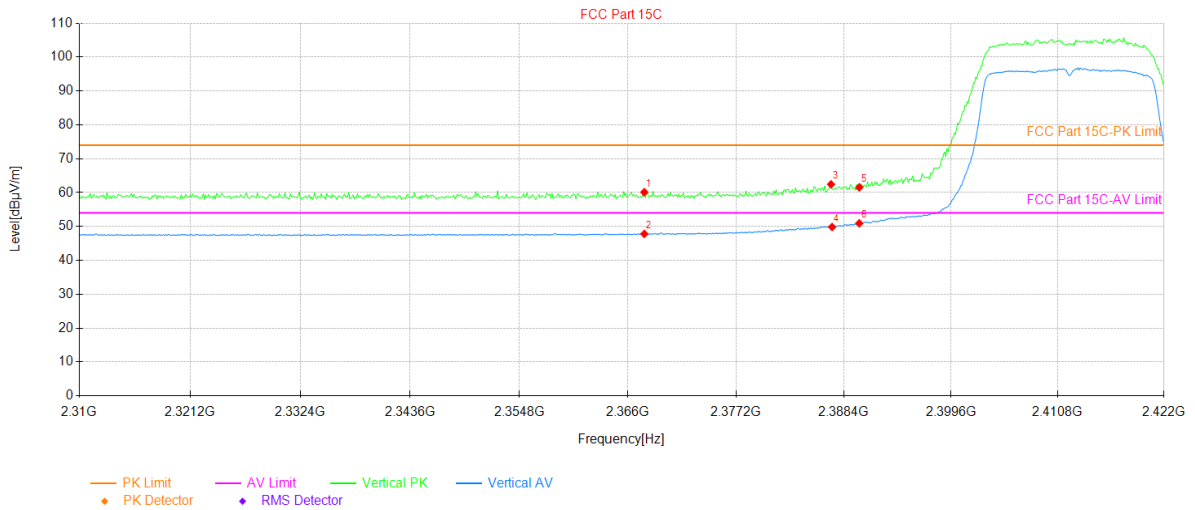


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	22.66	36.11	58.77	74.00	15.23	124	PK	PASS	Horizontal
2	2483.50	11.23	36.11	47.34	54.00	6.66	296	AV	PASS	Horizontal
3	2489.97	24.51	36.14	60.65	74.00	13.35	30	PK	PASS	Horizontal
4	2489.97	10.85	36.14	46.99	54.00	7.01	277	AV	PASS	Horizontal
5	2496.21	23.00	36.16	59.16	74.00	14.84	247	PK	PASS	Horizontal
6	2496.21	10.84	36.16	47.00	54.00	7.00	285	AV	PASS	Horizontal

**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor)

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11n-HT20 Tx mode
<b>Test Channel:</b>	Lowest channel	<b>Polarization:</b>	Vertical
<b>Test Voltage:</b>	DC 12V		

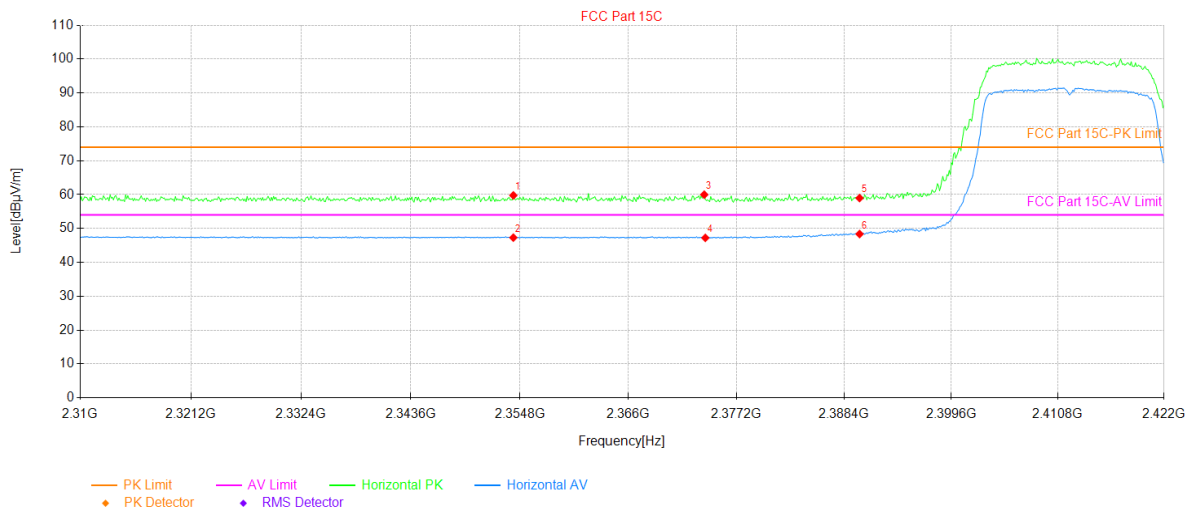


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2367.68	23.77	36.36	60.13	74.00	13.87	172	PK	PASS	Vertical
2	2367.68	11.45	36.36	47.81	54.00	6.19	49	AV	PASS	Vertical
3	2387.06	25.99	36.45	62.44	74.00	11.56	68	PK	PASS	Vertical
4	2387.17	13.40	36.45	49.85	54.00	4.15	57	AV	PASS	Vertical
5	2390.00	25.08	36.47	61.55	74.00	12.45	46	PK	PASS	Vertical
6	2390.00	14.46	36.47	50.93	54.00	3.07	49	AV	PASS	Vertical

**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor)

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11n-HT20 Tx mode
<b>Test Channel:</b>	Lowest channel	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	DC 12V		

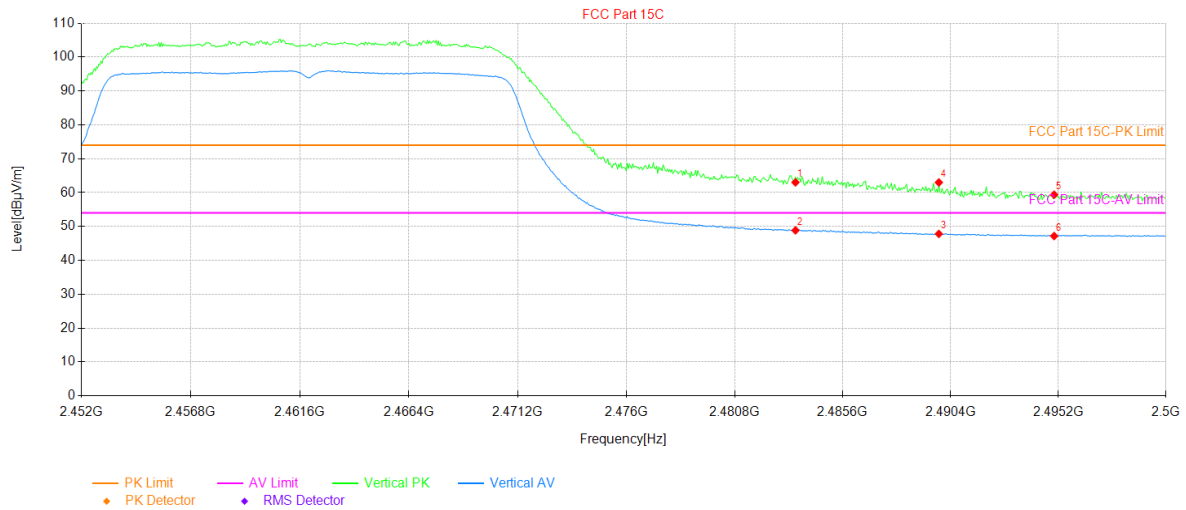


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2354.13	23.47	36.29	59.76	74.00	14.24	157	PK	PASS	Horizontal
2	2354.13	11.01	36.29	47.30	54.00	6.70	224	AV	PASS	Horizontal
3	2373.84	23.59	36.39	59.98	74.00	14.02	108	PK	PASS	Horizontal
4	2373.95	10.84	36.39	47.23	54.00	6.77	206	AV	PASS	Horizontal
5	2390.00	22.51	36.47	58.98	74.00	15.02	34	PK	PASS	Horizontal
6	2390.00	11.90	36.47	48.37	54.00	5.63	115	AV	PASS	Horizontal

**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor)

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11n-HT20 Tx mode
<b>Test Channel:</b>	Highest channel	<b>Polarization:</b>	Vertical
<b>Test Voltage:</b>	DC 12V		



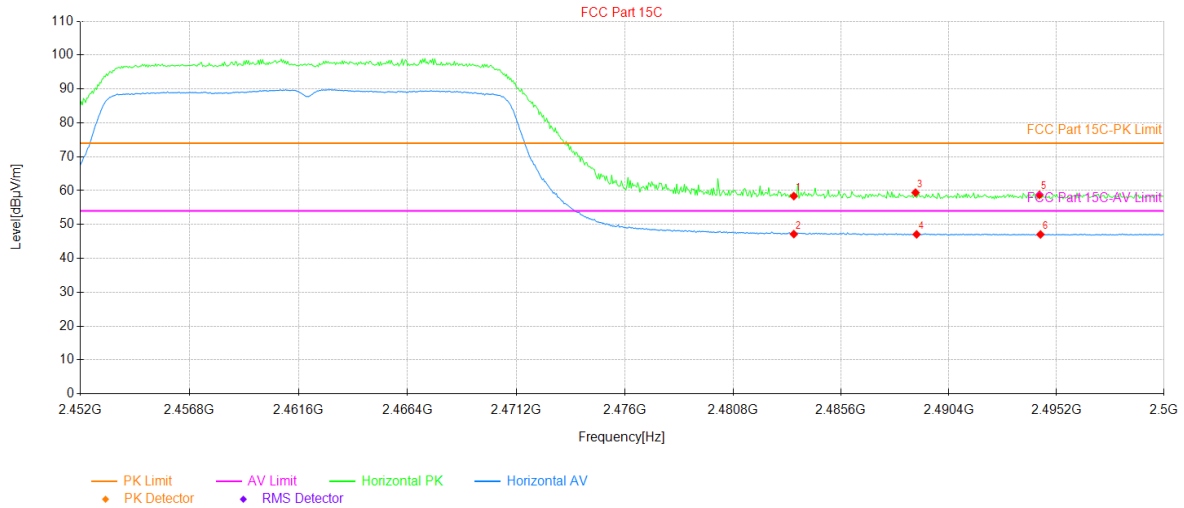
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	26.91	36.11	63.02	74.00	10.98	60	PK	PASS	Vertical
2	2483.50	12.75	36.11	48.86	54.00	5.14	360	AV	PASS	Vertical
3	2489.87	11.68	36.14	47.82	54.00	6.18	60	AV	PASS	Vertical
4	2489.87	26.86	36.14	63.00	74.00	11.00	2	PK	PASS	Vertical
5	2495.01	23.20	36.16	59.36	74.00	14.64	23	PK	PASS	Vertical
6	2495.01	11.02	36.16	47.18	54.00	6.82	64	AV	PASS	Vertical

**Remark:**

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



<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11n-HT20 Tx mode
<b>Test Channel:</b>	Highest channel	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	DC 12V		

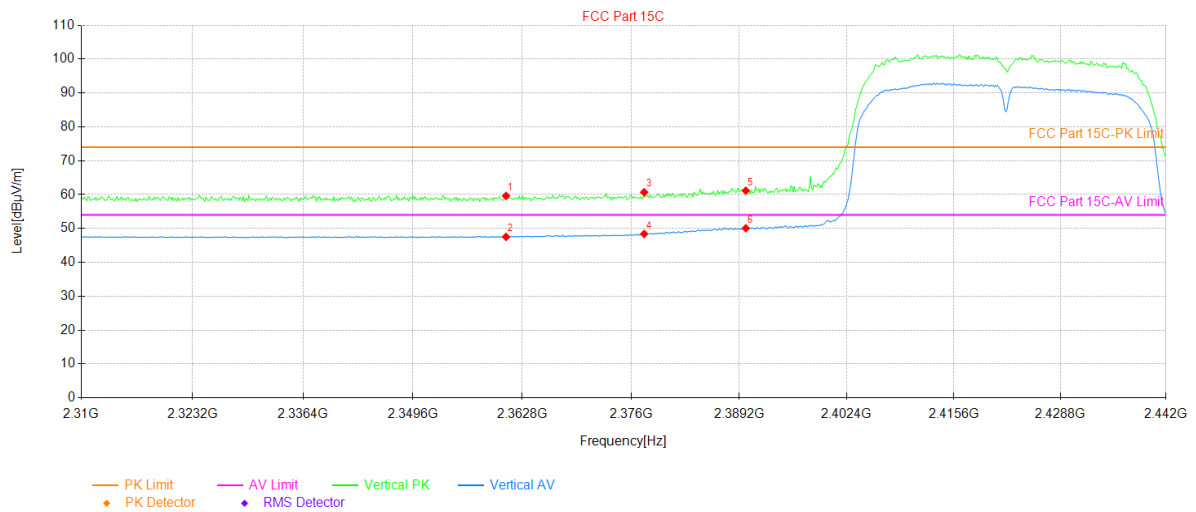


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	22.27	36.11	58.38	74.00	15.62	352	PK	PASS	Horizontal
2	2483.50	11.05	36.11	47.16	54.00	6.84	292	AV	PASS	Horizontal
3	2488.91	23.27	36.13	59.40	74.00	14.60	38	PK	PASS	Horizontal
4	2488.96	10.95	36.13	47.08	54.00	6.92	296	AV	PASS	Horizontal
5	2494.43	22.59	36.15	58.74	74.00	15.26	244	PK	PASS	Horizontal
6	2494.48	10.90	36.15	47.05	54.00	6.95	292	AV	PASS	Horizontal

**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor)

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11n-HT40 Tx mode
<b>Test Channel:</b>	Lowest channel	<b>Polarization:</b>	Vertical
<b>Test Voltage:</b>	DC 12V		

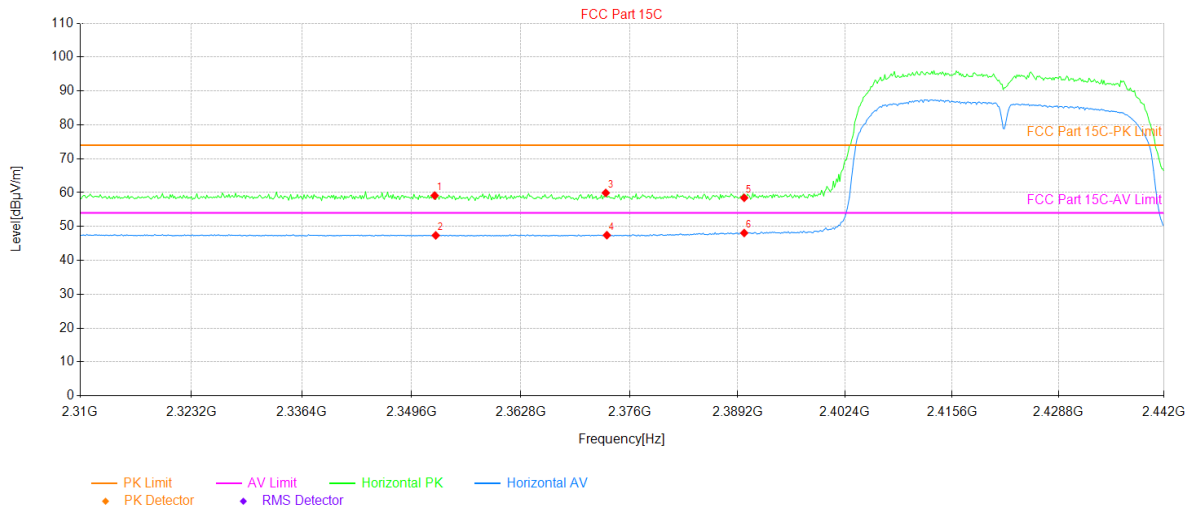


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2360.82	23.28	36.32	59.60	74.00	14.40	56	PK	PASS	Vertical
2	2360.82	11.20	36.32	47.52	54.00	6.48	184	AV	PASS	Vertical
3	2377.58	24.28	36.41	60.69	74.00	13.31	112	PK	PASS	Vertical
4	2377.58	11.98	36.41	48.39	54.00	5.61	52	AV	PASS	Vertical
5	2390.00	24.69	36.47	61.16	74.00	12.84	359	PK	PASS	Vertical
6	2390.00	13.60	36.47	50.07	54.00	3.93	60	AV	PASS	Vertical

**Remark:**

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

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11n-HT40 Tx mode
<b>Test Channel:</b>	Lowest channel	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	DC 12V		

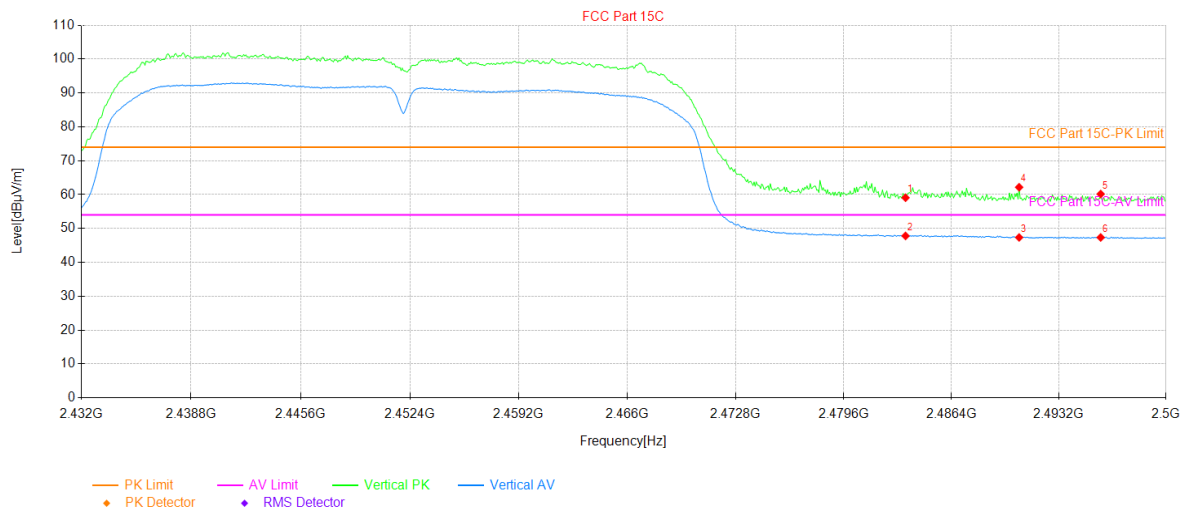


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2352.37	22.84	36.28	59.12	74.00	14.88	147	PK	PASS	Horizontal
2	2352.50	11.08	36.29	47.37	54.00	6.63	162	AV	PASS	Horizontal
3	2373.10	23.52	36.39	59.91	74.00	14.09	56	PK	PASS	Horizontal
4	2373.23	11.04	36.39	47.43	54.00	6.57	82	AV	PASS	Horizontal
5	2390.00	21.99	36.47	58.46	74.00	15.54	196	PK	PASS	Horizontal
6	2390.00	11.61	36.47	48.08	54.00	5.92	116	AV	PASS	Horizontal

**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor)

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11n-HT40 Tx mode
<b>Test Channel:</b>	Highest channel	<b>Polarization:</b>	Vertical
<b>Test Voltage:</b>	DC 12V		

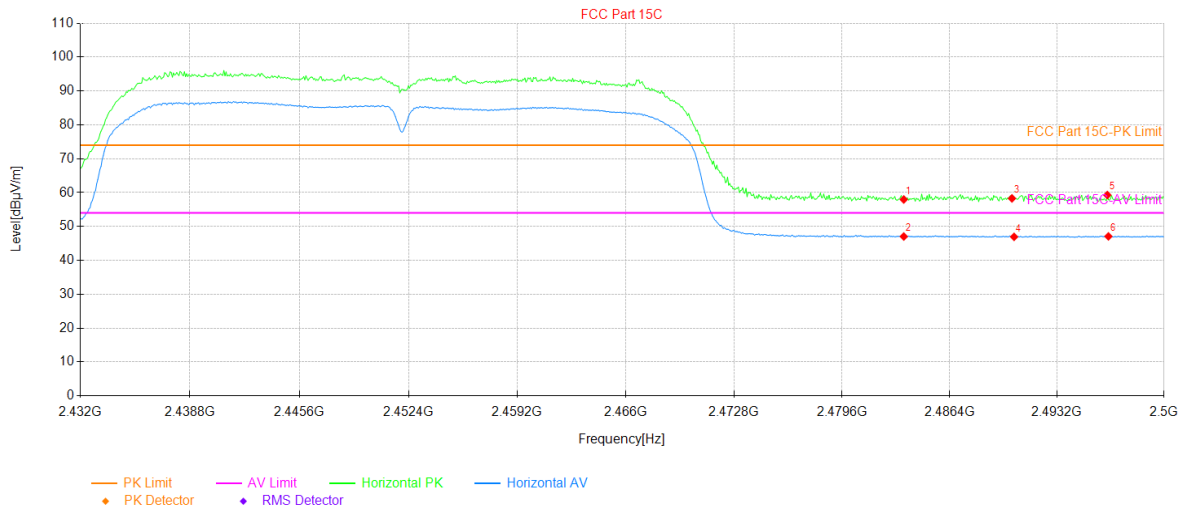


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	22.97	36.11	59.08	74.00	14.92	54	PK	PASS	Vertical
2	2483.50	11.69	36.11	47.80	54.00	6.20	58	AV	PASS	Vertical
3	2490.68	11.21	36.14	47.35	54.00	6.65	2	AV	PASS	Vertical
4	2490.68	26.03	36.14	62.17	74.00	11.83	342	PK	PASS	Vertical
5	2495.85	24.01	36.16	60.17	74.00	13.83	66	PK	PASS	Vertical
6	2495.85	11.19	36.16	47.35	54.00	6.65	355	AV	PASS	Vertical

**Remark:**

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

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	802.11n-HT40 Tx mode
<b>Test Channel:</b>	Highest channel	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	DC 12V		



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	2483.50	21.85	36.11	57.96	74.00	16.04	96	PK	PASS	Horizontal
2	2483.50	10.93	36.11	47.04	54.00	6.96	295	AV	PASS	Horizontal
3	2490.34	22.15	36.14	58.29	74.00	15.71	43	PK	PASS	Horizontal
4	2490.48	10.80	36.14	46.94	54.00	7.06	213	AV	PASS	Horizontal
5	2496.40	23.11	36.16	59.27	74.00	14.73	137	PK	PASS	Horizontal
6	2496.46	10.91	36.16	47.07	54.00	6.93	217	AV	PASS	Horizontal

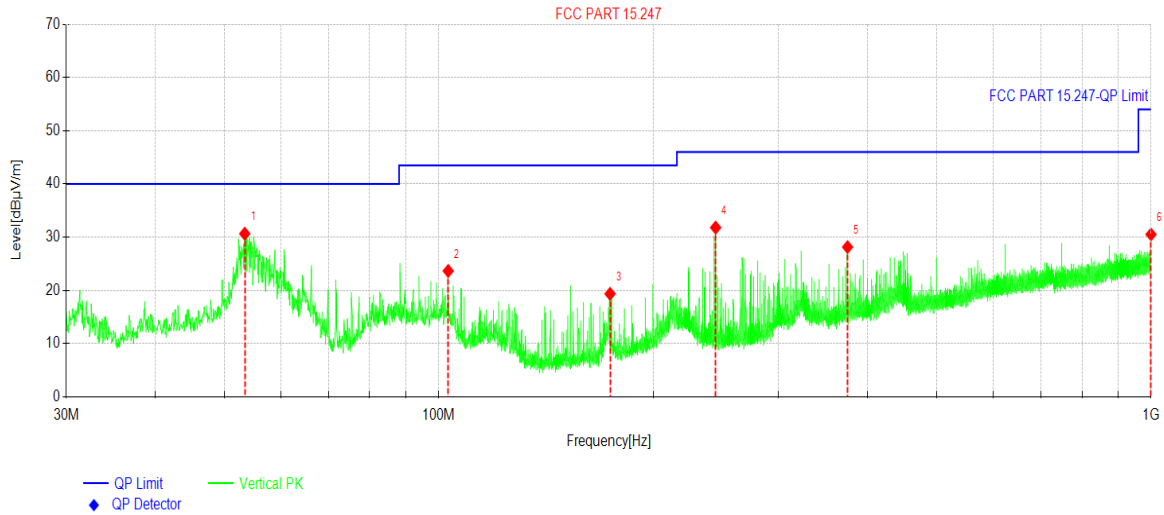
**Remark:**

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor)

## 5.4 Emissions in Non-restricted Frequency Bands

Below 1GHz:

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	2.4G Wi-Fi mode
<b>Test Frequency:</b>	30 MHz ~ 1 GHz	<b>Polarization:</b>	Vertical
<b>Test Voltage:</b>	DC 12V		

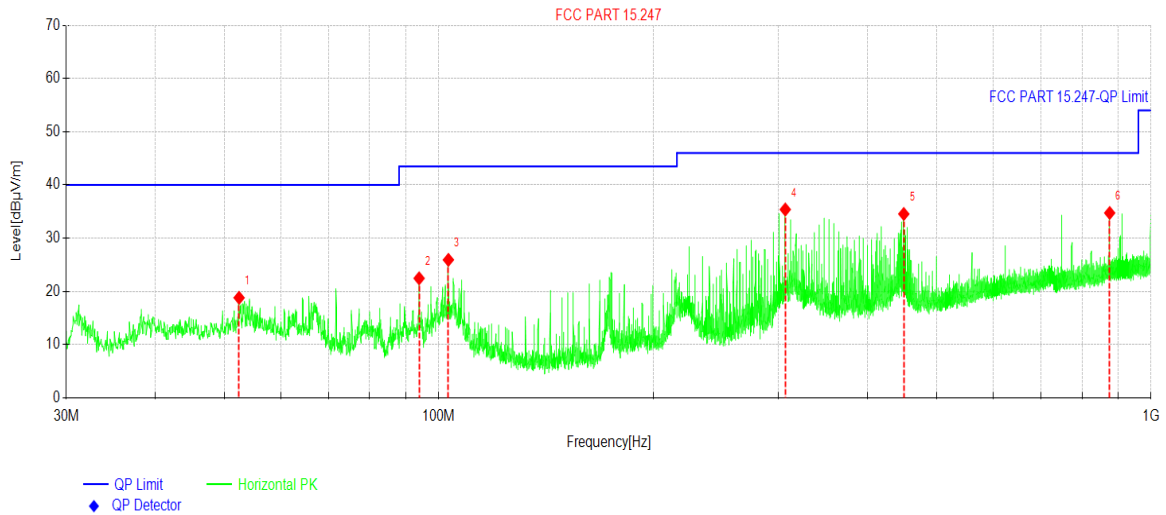


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	53.4267	43.55	-12.90	30.65	40.00	9.35	PK	Vertical
2	103.141	38.25	-14.59	23.66	43.50	19.84	PK	Vertical
3	174.003	36.64	-17.28	19.36	43.50	24.14	PK	Vertical
4	244.768	45.82	-14.01	31.81	46.00	14.19	PK	Vertical
5	374.997	39.48	-11.33	28.15	46.00	17.85	PK	Vertical
6	1000.00	32.15	-1.63	30.52	54.00	23.48	PK	Vertical

**Remark:**

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

<b>Product Name:</b>	DynaGateway	<b>Product Model:</b>	DynaGateway LTE-S
<b>Test By:</b>	Alan Chen	<b>Test mode:</b>	2.4G Wi-Fi mode
<b>Test Frequency:</b>	30 MHz ~ 1 GHz	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	DC 12V		



**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	52.4566	31.61	-12.81	18.80	40.00	21.20	PK	Horizontal
2	93.8777	38.09	-15.63	22.46	43.50	21.04	PK	Horizontal
3	103.190	40.52	-14.59	25.93	43.50	17.57	PK	Horizontal
4	306.609	48.34	-12.95	35.39	46.00	10.61	PK	Horizontal
5	449.740	44.42	-9.87	34.55	46.00	11.45	PK	Horizontal
6	875.009	37.76	-3.02	34.74	46.00	11.26	PK	Horizontal

**Remark:**

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

**Above 1GHz**

802.11b						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	54.73	-7.92	46.81	74.00	27.19	Vertical
4824.00	49.35	-7.92	41.43	74.00	32.57	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	49.20	-7.92	41.28	54.00	12.72	Vertical
4824.00	42.16	-7.92	34.24	54.00	19.76	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	55.14	-7.55	47.59	74.00	26.41	Vertical
4874.00	49.59	-7.55	42.04	74.00	31.96	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	48.95	-7.55	41.40	54.00	12.60	Vertical
4874.00	41.68	-7.55	34.13	54.00	19.87	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	54.76	-7.21	47.55	74.00	26.45	Vertical
4924.00	49.31	-7.21	42.10	74.00	31.90	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	49.44	-7.21	42.23	54.00	11.77	Vertical
4924.00	41.73	-7.21	34.52	54.00	19.48	Horizontal
<b>Remark:</b>						
1. Level = Reading + 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.						



802.11g						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	55.07	-7.92	47.15	74.00	26.85	Vertical
4824.00	49.77	-7.92	41.85	74.00	32.15	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	49.38	-7.92	41.46	54.00	12.54	Vertical
4824.00	42.02	-7.92	34.10	54.00	19.90	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	55.22	-7.55	47.67	74.00	26.33	Vertical
4874.00	49.1	-7.55	41.55	74.00	32.45	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	49.4	-7.55	41.85	54.00	12.15	Vertical
4874.00	42.3	-7.55	34.75	54.00	19.25	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	54.9	-7.21	47.69	74.00	26.31	Vertical
4924.00	49.33	-7.21	42.12	74.00	31.88	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	49.56	-7.21	42.35	54.00	11.65	Vertical
4924.00	41.93	-7.21	34.72	54.00	19.28	Horizontal
<b>Remark:</b>						
1. Level = Reading + 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.						

802.11n-HT20						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	55.14	-7.92	47.22	74.00	26.78	Vertical
4824.00	49.56	-7.92	41.64	74.00	32.36	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	48.72	-7.92	40.80	54.00	13.20	Vertical
4824.00	41.91	-7.92	33.99	54.00	20.01	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	54.63	-7.55	47.08	74.00	26.92	Vertical
4874.00	49.6	-7.55	42.05	74.00	31.95	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	49.16	-7.55	41.61	54.00	12.39	Vertical
4874.00	42.1	-7.55	34.55	54.00	19.45	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	55.19	-7.21	47.98	74.00	26.02	Vertical
4924.00	49.05	-7.21	41.84	74.00	32.16	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	48.83	-7.21	41.62	54.00	12.38	Vertical
4924.00	41.71	-7.21	34.50	54.00	19.50	Horizontal
<b>Remark:</b>						
1. Level = Reading + 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.						

802.11n-HT40						
Test channel: Lowest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4844.00	54.69	-7.83	46.86	74.00	27.14	Vertical
4844.00	49.53	-7.83	41.70	74.00	32.30	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4844.00	49.47	-7.83	41.64	54.00	12.36	Vertical
4844.00	42.52	-7.83	34.69	54.00	19.31	Horizontal
Test channel: Middle channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	55.11	-7.55	47.56	74.00	26.44	Vertical
4874.00	49.16	-7.55	41.61	74.00	32.39	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	48.73	-7.55	41.18	54.00	12.82	Vertical
4874.00	42.44	-7.55	34.89	54.00	19.11	Horizontal
Test channel: Highest channel						
Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4904.00	54.29	-7.27	47.02	74.00	26.98	Vertical
4904.00	49.11	-7.27	41.84	74.00	32.16	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4904.00	49.51	-7.27	42.24	54.00	11.76	Vertical
4904.00	41.82	-7.27	34.55	54.00	19.45	Horizontal
<b>Remark:</b>						
1. Level = Reading + 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-----