Excellence in Compliance Testing

Certification Test Report

FCC ID: R7PEG1R1S6
IC: 5294A-EG1R1S6

FCC Rule Part: 15.247
IC Radio Standards Specification: RSS-247

ACS Report Number: 15-0242.W06.2A

Manufacturer: Landis+Gyr Technology, Inc.
Model: G5 Integrated Focus AXe

Test Begin Date: August 31, 2015
Test End Date: September 3, 2015

Report Issue Date: September 11, 2015

FOR THE SCOPE OF ACCREDITATION UNDER LAB Code 200612-0

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Reviewed by:
Kirby Munroe
Director, Wireless Certifications
ACS, Inc.

This report contains 20 pages

TABLE OF CONTENTS

1 GENERAL 3

1.1 PURPOSE 3
1.2 PRODUCT DESCRIPTION 3
1.3 TEST METHODOLOGY AND CONSIDERATIONS 3

2 TEST FACILITIES 4

2.1 LOCATION 4
2.2 LABORATORY ACCREDITATIONS/RECOGNITIONS/CERTIFICATIONS 4
2.3 RADIATED EMISSIONS TEST SITE DESCRIPTION 5
2.3.1 Semi-Anechoic Chamber Test Site 5
2.3.2 Open Area Tests Site (OATS) 6
2.4 CONDUCTED EMISSIONS TEST SITE DESCRIPTION 7

3 APPLICABLE STANDARD REFERENCES 7

4 LIST OF TEST EQUIPMENT 8

5 SUPPORT EQUIPMENT 9

6 EQUIPMENT UNDER TEST SETUP BLOCK DIAGRAM 9

7 SUMMARY OF TESTS 10

7.1 ANTENNA REQUIREMENT – FCC 15.203 10
7.2 POWER LINE CONDUCTED EMISSIONS – FCC 15.207, IC: RSS-GEN 8.8 10
7.2.1 Measurement Procedure 10
7.2.2 Measurement Results 10
7.3 6DB / 99% BANDWIDTH – FCC 15.247(A)(2), IC: RSS-247 5.2(1) 12
7.3.1 Measurement Procedure 12
7.3.2 Measurement Results 12
7.4 FUNDAMENTAL EMISSION OUTPUT POWER – FCC 15.247(B)(3), IC: RSS-247 5.4(4) 14
7.4.1 Measurement Procedure 14
7.4.2 Measurement Results 14
7.5 EMISSION LEVELS – FCC 15.247(D), 15.205, 15.209; IC RSS-247 5.5, RSS-GEN 8.9 15
7.5.1 Emissions into Non-restricted Frequency Bands 15
7.5.1.1 Measurement Procedure 15
7.5.1.2 Measurement Results 15
7.5.2 Emissions into Restricted Frequency Bands 17
7.5.2.1 Measurement Procedure 17
7.5.2.2 Duty Cycle Correction 17
7.5.2.3 Measurement Results 17
7.5.2.4 Sample Calculation: 18
7.6 MAXIMUM POWER SPECTRAL DENSITY IN THE FUNDAMENTAL EMISSION – FCC 15.247(E) IC: RSS-247 5.2(2) 19
7.6.1 Measurement Procedure 19
7.6.2 Measurement Results 19

8 CONCLUSION 20

1 GENERAL

1.1 Purpose

The purpose of this report is to demonstrate compliance with Part 15 Subpart C of the FCC's Code of Federal Regulations and Industry Canada's Radio Standards Specification RSS-247 Certification for modular approval.

1.2 Product Description

The G5 Integrated Focus AXe contains (1) 900 MHz LAN frequency hopping spread spectrum radio and (1) 2.4 GHz direct sequence spread spectrum Zigbee radio. This report addresses the 2.4 GHz direct sequence spread spectrum Zigbee radio only.

Technical Information:

Detail	Description
Frequency Range	2405 – 2475 MHz
Number of Channels	15
Modulation Format	O-QPSK
Operating Voltage	3.3Vdc
Antenna Type / Gain	PIFA / 6 dBi

Manufacturer Information:
Landis+Gyr Technology, Inc.
30000 Mill Creek Ave., Suite 100
Alpharetta, GA 30022

EUT Serial Numbers: 90600060 (Radiated), 9060005F (Conducted)

Test Sample Condition: The test samples were provided in good working order with no visible defects.

1.3 Test Methodology and Considerations

The EUT was evaluated in three orthogonal orientations. The worst case orientation was X-position.

Both the 900 MHz LAN radio and the 2.4 GHz Zigbee radio can transmit simultaneously therefore radiated inter-modulation products were evaluated and found to be in compliance.

Software power setting during test: -2; -5 (high channel)

2 TEST FACILITIES

2.1 Location

The radiated and conducted emissions test sites are located at the following address:

Advanced Compliance Solutions
5015 B.U. Bowman Drive
Buford, GA 30518
Phone: (770) 831-8048
Fax: (770) 831-8598

2.2 Laboratory Accreditations/Recognitions/Certifications

ACS is accredited to ISO/IEC 17025 by the National Institute of Standards and Technology under their National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 200612-0. Unless otherwise specified, all tests methods described within this report are covered under the ISO/IEC 17025 scope of accreditation.

The Semi-Anechoic Chamber Test Site, Open Area Test Site (OATS) and Conducted Emissions Site have been fully described, submitted to, and accepted by the FCC, Industry Canada and the Japanese Voluntary Control Council for Interference by information technology equipment.

FCC Registration Number: 511277
Industry Canada Lab Code: IC 4175A
VCCI Member Number: 1831

- VCCI OATS Registration Number R-1526
- VCCI Conducted Emissions Site Registration Number: C-1608

2.3 Radiated Emissions Test Site Description

2.3.1 Semi-Anechoic Chamber Test Site

The Semi-Anechoic Chamber Test Site consists of a 20' x 30' x 18' shielded enclosure. The chamber is lined with Toyo Ferrite Grid Absorber, model number FFG-1000. The ferrite tile grid is 101 x 101 x 19mm thick and weighs approximately 550 grams. These tiles are mounted on steel panels and installed directly on the inner walls of the chamber.

The turntable is 150cm in diameter and is located 160cm from the back wall of the chamber. The chamber is grounded via 1 - 8' copper ground rod, installed at the center of the back wall, it is bound to the ground plane using 3/4" stainless steel braided cable.

The turntable is all steel, flush mounted table installed in an all steel frame. The table is remotely operated from inside the control room located 25' from the range. The turntable is electrically bonded to the surrounding ground plane via steel fingers installed on the edge of the turn table. The steel fingers make constant contact with the ground plane during operation.

Behind the turntable is a 3' x 6' x 4' deep shielded pit used for support equipment if necessary. The pit is equipped with 1 - 4" PVC chases from the turntable to the pit that allow for cabling to the EUT if necessary. The underside of the turntable can be accessed from the pit so cables can be supplied to the EUT from the pit.

A diagram of the Semi-Anechoic Chamber Test Site is shown in Figure 2.3-1 below:

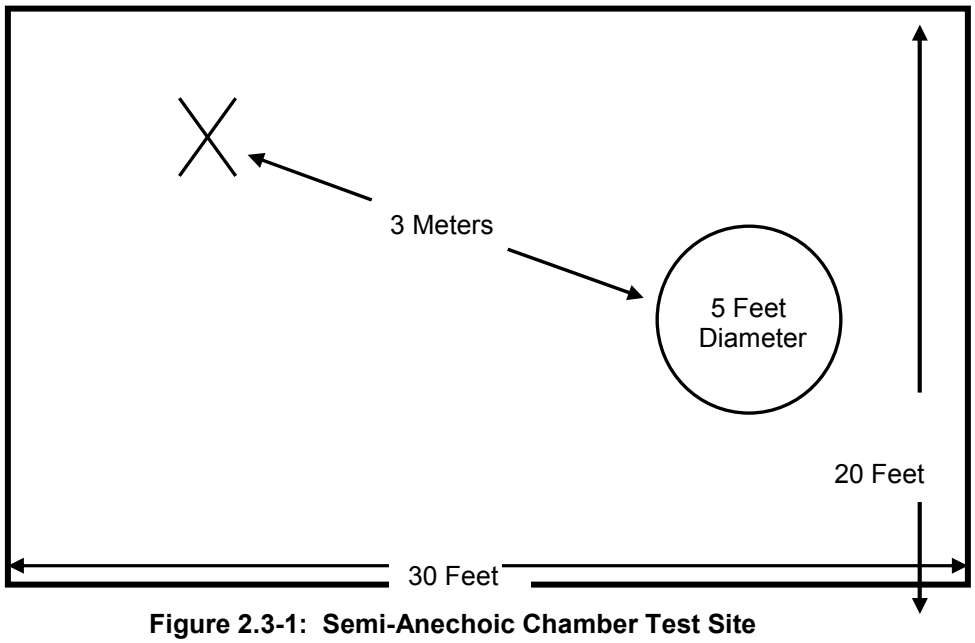

Figure 2.3-1: Semi-Anechoic Chamber Test Site

2.3.2 Open Area Tests Site (OATS)

The open area test site consists of a 40' x 66' concrete pad covered with a perforated electro-plated galvanized sheet metal. The perforations in the sheet metal are 1/8" holes that are staggered every 3/16". The individual sheets are placed to overlap each other by 1/4" and are riveted together to provide a continuous seam. Rivets are spaced every 3" in a 3 x 20 meter perimeter around the antenna mast and EUT area. Rivets in the remaining area are spaced as necessary to properly secure the ground plane and maintain the electrical continuity.

The entire ground plane extends 12' beyond the turntable edge and 16' beyond the antenna mast when set to a 10 meter measurement distance. The ground plane is grounded via 4 - 8' copper ground rods, each installed at a corner of the ground plane and bound to the ground plane using 3/4" stainless steel braided cable.

The turntable is an all aluminum 10' flush mounted table installed in an all aluminum frame. The table is remotely operated from inside the control room located 40' from the range. The turntable is electrically bonded to the surrounding ground plane via steel fingers installed on the edge of the turn table. The steel fingers make constant contact with the ground plane during operation.

Adjacent to the turntable is a 7' x 7' square and 4' deep concrete pit used for support equipment if necessary. The pit is equipped with 5 - 4" PVC chases from the pit to the control room that allow for cabling to the EUT if necessary. The underside of the turntable can be accessed from the pit so cables can be supplied to the EUT from the pit. The pit is covered with 2 sheets of 1/4" diamond style re-enforced steel sheets. The sheets are painted to match the perforated steel ground plane; however the underside edges have been masked off to maintain the electrical continuity of the ground plane. All reflecting objects are located outside of the ellipse defined in ANSI C63.4.

A diagram of the Open Area Test Site is shown in Figure 2.3-2 below:

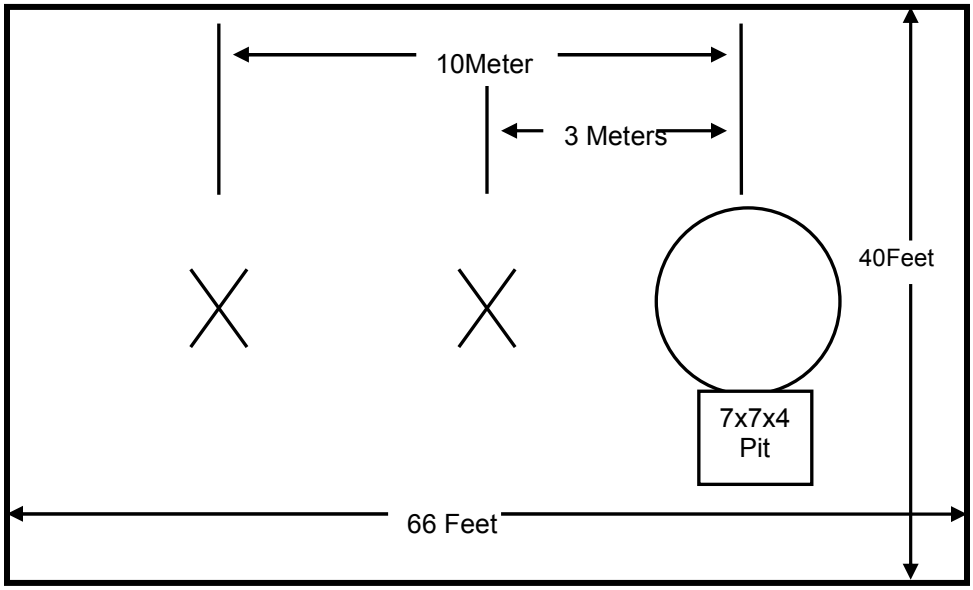

Figure 2.3-2: Open Area Test Site

2.4 Conducted Emissions Test Site Description

The AC mains conducted EMI site is located in the main EMC lab. It consists of an 8' x 8' solid aluminum horizontal ground reference plane (GRP) bonded every 3" to an 8' X 8' vertical ground plane.

The site is of sufficient size to test table top and floor standing equipment in accordance with section 6.1.4 of ANSI C63.4.

A diagram of the room is shown below in figure 4.1.3-1:

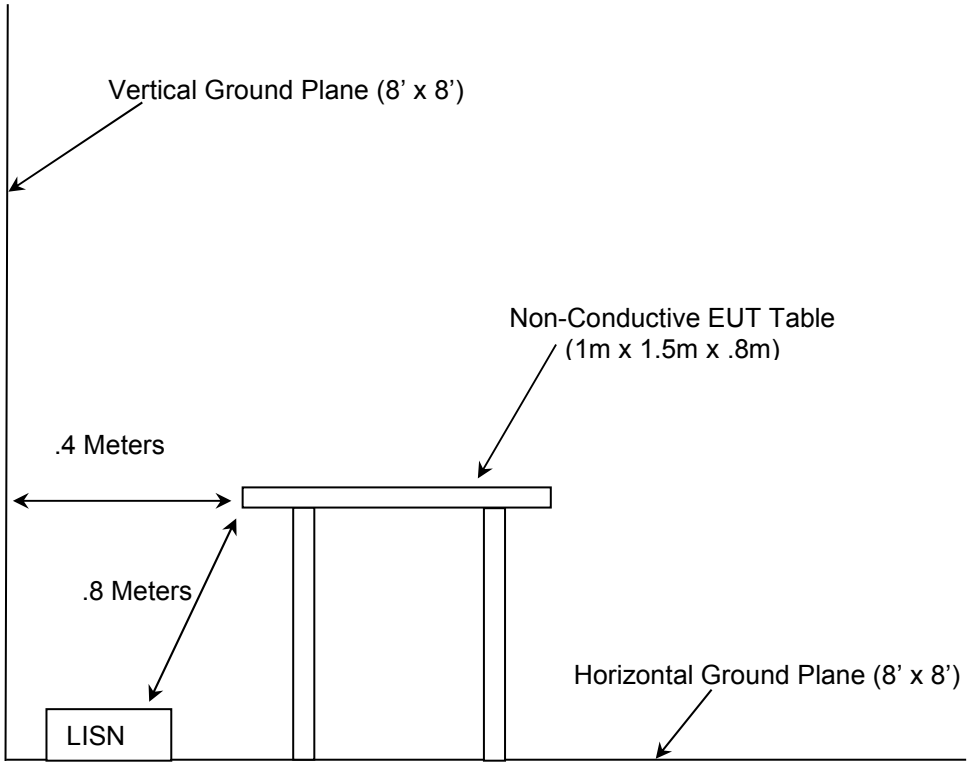

Figure 2.4-1: AC Mains Conducted EMI Site

3 APPLICABLE STANDARD REFERENCES

The following standards were used:

- ANSI C63.10-2013: American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
- US Code of Federal Regulations (CFR): Title 47, Part 2, Subpart J: Equipment Authorization Procedures, 2015
- US Code of Federal Regulations (CFR): Title 47, Part 15, Subpart C: Radio Frequency Devices, Intentional Radiators, 2015
- FCC KDB 558074 D01 DTS Meas Guidance v03r03 - Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247, June 9, 2015
- Industry Canada Radio Standards Specification: RSS-247 – Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and License-Exempt Local Area Network (LE-LAN) Devices, Issue 1, May 2015
- Industry Canada Radio Standards Specification: RSS-GEN – General Requirements for Compliance of Radio Apparatus, Issue 4, Nov 2014.

4 LIST OF TEST EQUIPMENT

The calibration interval of test equipment is annually or the manufacturer's recommendations. Where the calibration interval deviates from the annual cycle based on the instrument manufacturer's recommendations, it shall be stated below.

Table 4-1: Test Equipment

AssetID	Manufacturer	Model #	Equipment Type	Serial #	Last Calibration Date	Calibration Due Date
1	Rohde & Schwarz	ESMI - Display	Spectrum Analyzers	833771/007	7/14/2015	7/14/2016
2	Rohde & Schwarz	ESMI-Receiver	Spectrum Analyzers	839587/003	7/14/2015	7/14/2016
22	Agilent	8449B	Amplifiers	3008A00526	5/18/2015	5/18/2016
30	Spectrum Technologies	DRH-0118	Antennas	970102	4/30/2015	4/30/2017
40	EMCO	3104	Antennas	3211	2/10/2015	2/10/2017
73	Agilent	8447D	Amplifiers	2727A05624	7/15/2015	7/15/2016
167	ACS	Chamber EMI Cable Set	Cable Set	167	10/28/2014	10/28/2015
168	Hewlett Packard	11947A	Attenuators	44829	1/19/2015	1/19/2016
267	Agilent	N1911A	Meters	MY45100129	8/24/2015	8/24/2017
268	Agilent	N1921A	Sensors	MY45240184	8/13/2015	8/13/2017
292	Florida RF Cables	SMR-290AW-480.0-SMR	Cables	None	3/3/2015	3/3/2016
324	ACS	Belden	Cables	8214	5/5/2015	5/5/2016
340	Aeroflex/Weinschel	AS-20	Attenuators	7136	7/13/2015	7/13/2016
412	Electro Metrics	LPA-25	Antennas	1241	7/24/2014	7/24/2016
422	Florida RF	SMS-200AW-72.0-SMR	Cables	805	11/5/2014	11/5/2015
432	Microwave Circuits	H3G020G4	Filters	264066	5/20/2015	5/20/2016
616	Florida RF Cables	SMRE-200W-12.0-SMRE	Cables	N/A	9/10/2014	9/10/2015
622	Rohde & Schwarz	FSV40	Analyzers	101338	7/15/2015	7/15/2016
3010	Rohde & Schwarz	ENV216	LISN	3010	7/10/2015	7/10/2016
RE112	Rohde & Schwarz	ESIB26	Receiver	836119/012	7/16/2015	7/16/2016

5 SUPPORT EQUIPMENT

Table 5-1: Support Equipment

Item	Equipment Type	Manufacturer	Model Number	Serial Number
EUT is standalone equipment with no provisions for support equipment.				

6 EQUIPMENT UNDER TEST SETUP BLOCK DIAGRAM

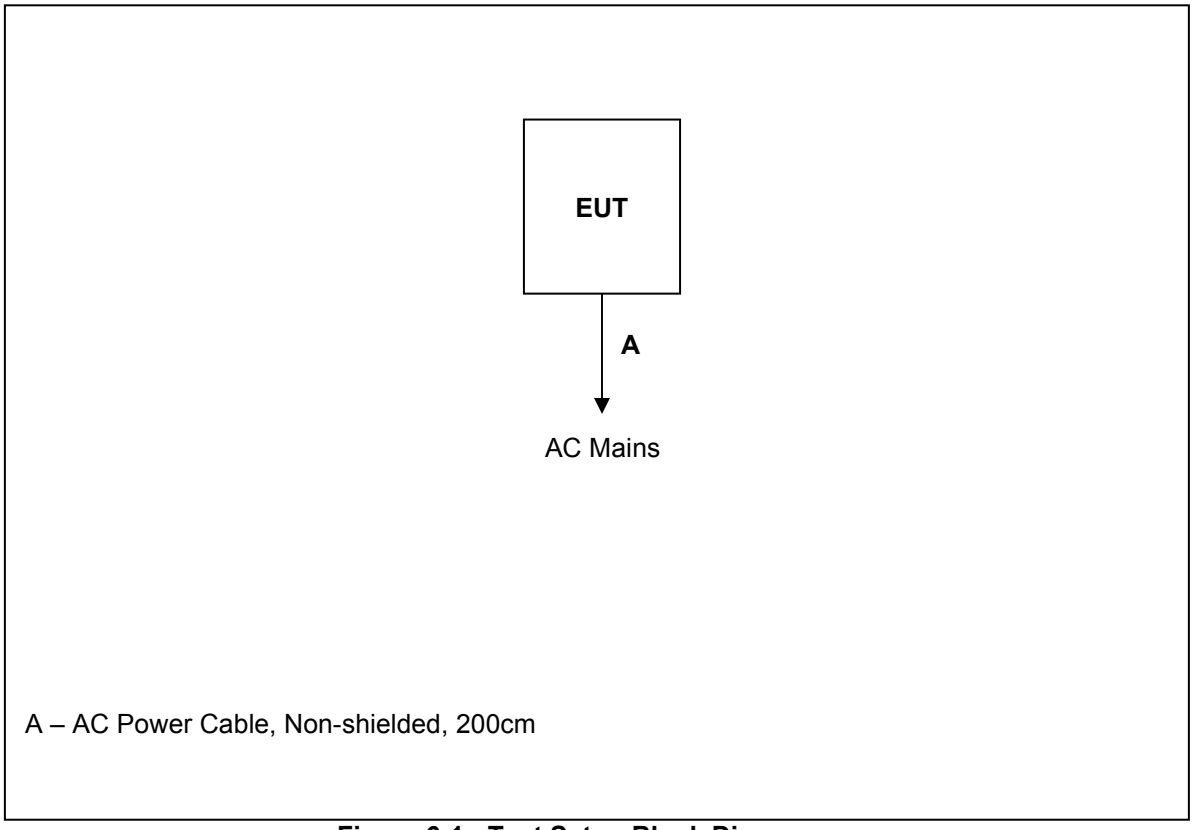

Figure 6-1: Test Setup Block Diagram

7 SUMMARY OF TESTS

Along with the tabular data shown below, plots were taken of all signals deemed important enough to document.

7.1 Antenna Requirement – FCC 15.203

The EUT utilizes a PIFA antenna which cannot be removed without permanently damaging the device thus satisfying Part 15.203. The gain on the PIFA antenna is 6dBi.

7.2 Power Line Conducted Emissions – FCC 15.207, IC: RSS-Gen 8.8

7.2.1 Measurement Procedure

ANSI C63.4 sections 6 and 7 were the guiding documents for this evaluation. Conducted emissions were performed from 150kHz to 30MHz with the spectrum analyzer's resolution bandwidth set to 9kHz and the video bandwidth set to 30kHz. The calculation for the conducted emissions is as follows:

Corrected Reading = Analyzer Reading + LISN Loss + Cable Loss
Margin = Applicable Limit - Corrected Reading

7.2.2 Measurement Results

Table 7.2.2-1: Conducted EMI Results – Line 1

Frequency (MHz)	Corrected Reading		Limit (dBuV)	Margin (dB)	Line	Correction (dB)
	Quasi-Peak (dBuV)	Average (dBuV)				
0.152554	---	27.53	55.85	28.32	L1	10.0
0.152554	42.91	---	65.85	22.94	L1	10.0
0.265330	---	21.52	51.02	29.50	L1	10.0
0.265330	31.94	---	61.06	29.12	L1	10.0
0.301202	---	18.67	49.97	31.30	L1	10.0
0.301202	27.95	---	60.01	32.06	L1	10.0
0.419439	---	4.29	47.34	43.05	L1	10.0
0.419439	20.04	---	57.36	37.32	L1	10.0
0.450200	---	3.84	46.80	42.96	L1	10.0
0.450200	18.00	---	56.81	38.81	L1	10.0
1.109719	---	13.77	46.00	32.23	L1	10.0
1.109719	18.73	---	56.00	37.27	L1	10.0

Table 7.2.2-2: Conducted EMI Results – Line 2

Frequency (MHz)	Corrected Reading		Limit (dBuV)	Margin (dB)	Line	Correction (dB)
	Quasi-Peak (dBuV)	Average (dBuV)				
0.150115	---	27.80	55.99	28.19	N	10.2
0.150115	43.09	---	65.99	22.90	N	10.2
0.332966	---	23.48	49.16	25.68	N	10.1
0.332966	29.59	---	59.19	29.60	N	10.1
1.097194	---	29.39	46.00	16.61	N	10.2
1.097194	34.61	---	56.00	21.39	N	10.2
1.189579	---	23.45	46.00	22.55	N	10.2
1.189579	28.58	---	56.00	27.42	N	10.2
1.792485	---	21.69	46.00	24.31	N	10.2
1.792485	27.28	---	56.00	28.72	N	10.2
3.211323	---	21.90	46.00	24.10	N	10.2
3.211323	27.35	---	56.00	28.65	N	10.2

7.3 6dB / 99% Bandwidth – FCC 15.247(a)(2), IC: RSS-247 5.2(1)

7.3.1 Measurement Procedure

The 6dB bandwidth was measured in accordance with the FCC KDB 558074 D01 DTS Meas Guidance v03r03. The Resolution Bandwidth (RBW) of the spectrum analyzer was set to 100 kHz. The Video Bandwidth (VBW) was set to ≥ 3 times the RBW. The trace was set to max hold with a peak detector active. The marker-delta function of the spectrum analyzer was utilized to determine the 6 dB bandwidth of the emission.

The occupied bandwidth measurement function of the spectrum analyzer was used to measure the 99% bandwidth. The span of the analyzer was set to capture all products of the modulation process, including the emission sidebands. The resolution bandwidth was set to 1% to 5% of the occupied bandwidth. The video bandwidth was set to 3 times the resolution bandwidth. A peak detector was used.

7.3.2 Measurement Results

Table 7.3.2-1: 6dB / 99% Bandwidth

Frequency [MHz]	6dB Bandwidth [MHz]	99% Bandwidth [MHz]
2405	1.59	2.42
2445	1.59	2.42
2475	1.59	2.42

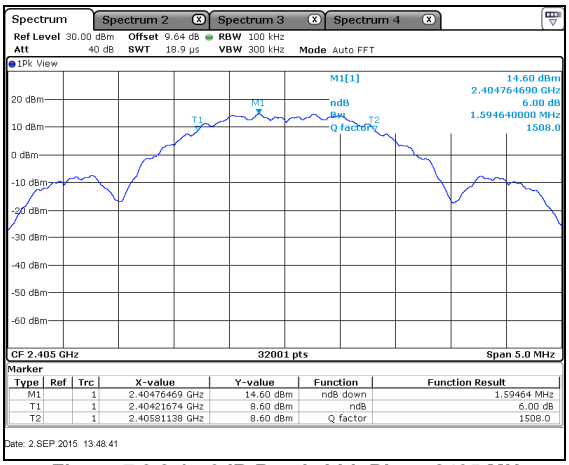

Figure 7.3.2-1: 6dB Bandwidth Plot – 2405 MHz

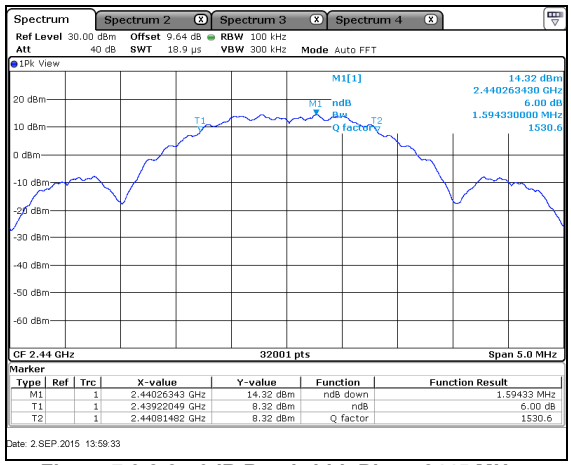

Figure 7.3.2-2: 6dB Bandwidth Plot – 2445 MHz

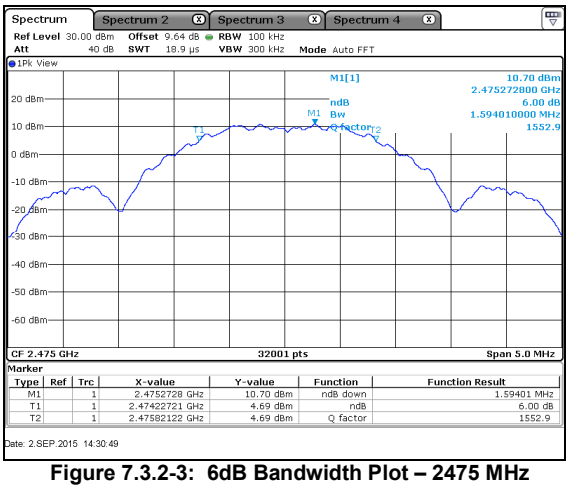

Figure 7.3.2-3: 6dB Bandwidth Plot – 2475 MHz

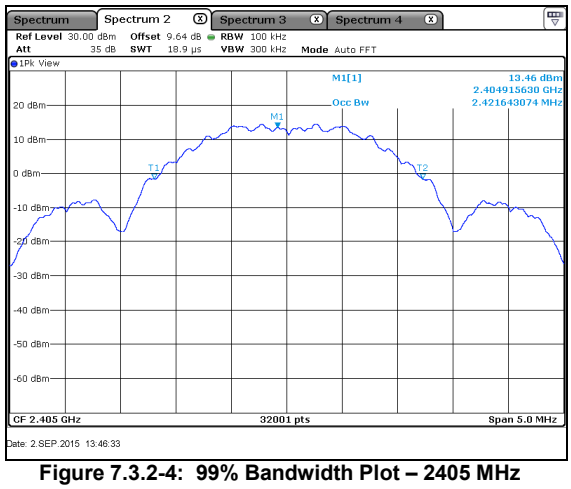

Figure 7.3.2-4: 99% Bandwidth Plot – 2405 MHz

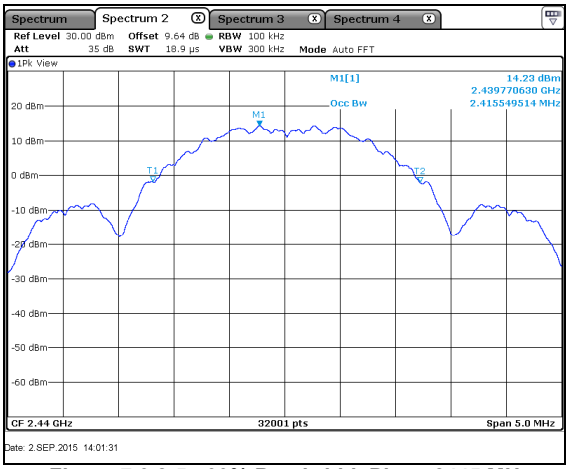

Figure 7.3.2-5: 99% Bandwidth Plot – 2445 MHz

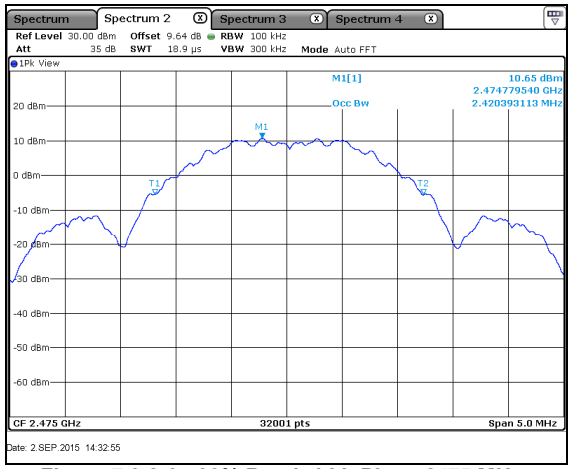

Figure 7.3.2-6: 99% Bandwidth Plot – 2475 MHz

7.4 Fundamental Emission Output Power – FCC 15.247(b)(3), IC: RSS-247 5.4(4)

7.4.1 Measurement Procedure

The maximum peak conducted output power was measured in accordance with FCC KDB 558074 D01 DTS Meas Guidance v03r03 utilizing the PKPM1 Peak power meter method. The RF output of the equipment under test was directly connected to the input of the peak power meter applying suitable attenuation.

7.4.2 Measurement Results

Table 7.4.2-1: Maximum Peak Conducted Output Power

Frequency (MHz)	Output Power (dBm)
2405	18.34
2445	17.96
2475	14.39

7.5 Emission Levels – FCC 15.247(d), 15.205, 15.209; IC RSS-247 5.5, RSS-Gen 8.9

7.5.1 Emissions into Non-restricted Frequency Bands

7.5.1.1 Measurement Procedure

The unwanted emissions into non-restricted bands were measured conducted in accordance with FCC KDB 558074 D01 DTS Meas Guidance v03r03. The RF output of the equipment under test was directly connected to the input of the spectrum analyzer applying suitable attenuation. The Resolution Bandwidth (RBW) of the spectrum analyzer was set to 100 kHz. The Video Bandwidth (VBW) was set to ≥ 300 kHz. Span was set to 1.5 times the DTS bandwidth. The trace was set to max hold with a peak detector active. The resulting spectrum analyzer peak level was used to determine the reference level with respect to the 20 dBc limit. The spectrum span was then adjusted for the measurement of spurious emissions from 30MHz to 25GHz, 10 times the highest fundamental frequency.

Band-edge compliance was determined using the conducted marker-delta method in which the radio frequency power that is produced by the EUT is at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of desired power.

7.5.1.2 Measurement Results

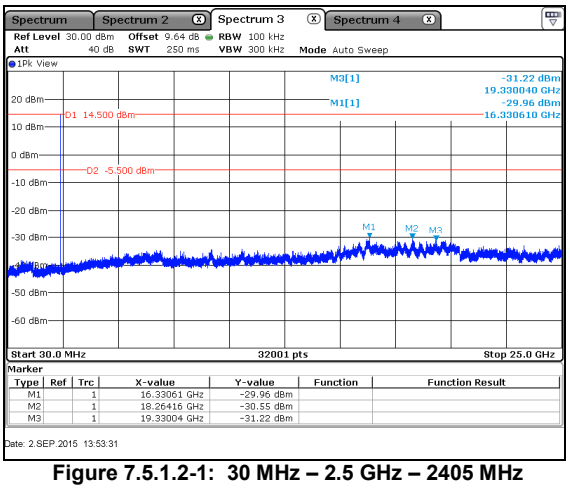

Figure 7.5.1.2-1: 30 MHz – 2.5 GHz – 2405 MHz

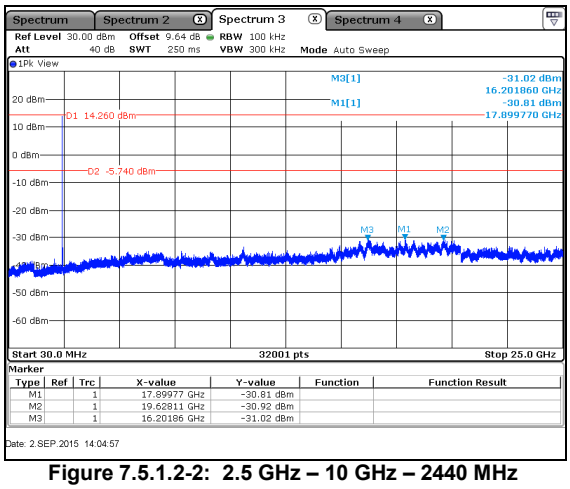

Figure 7.5.1.2-2: 2.5 GHz – 10 GHz – 2440 MHz

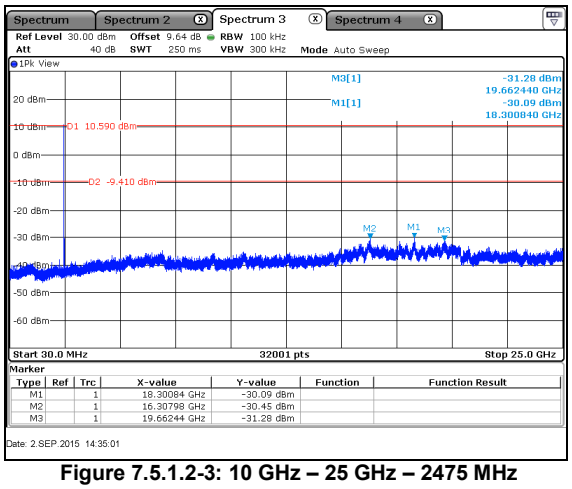

Figure 7.5.1.2-3: 10 GHz – 25 GHz – 2475 MHz

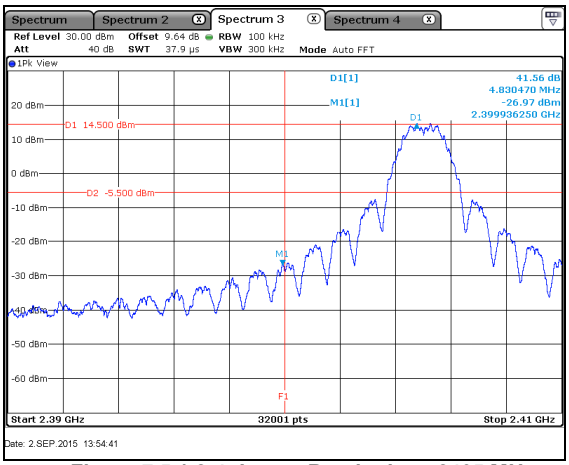

Figure 7.5.1.2-4: Lower Band-edge - 2405 MHz

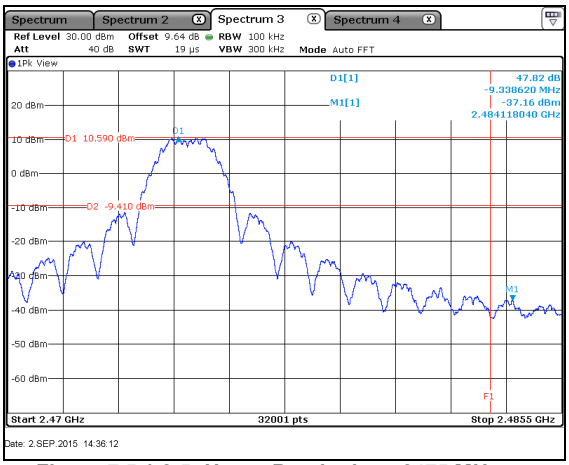

Figure 7.5.1.2-5: Upper Band-edge - 2475 MHz

7.5.2 Emissions into Restricted Frequency Bands

7.5.2.1 Measurement Procedure

The unwanted emissions into restricted bands were measured radiated over the frequency range of 30MHz to 25GHz, 10 times the highest fundamental frequency.

The EUT was rotated through 360° and the receive antenna height was varied from 1m to 4m so that the maximum radiated emissions level would be detected. For frequencies below 1000MHz, quasi-peak measurements were made using a resolution bandwidth RBW of 120 kHz and a video bandwidth VBW of 300 kHz. For frequencies above 1000MHz, peak and average measurements were made with RBW and VBW of 1 MHz and 3 MHz respectively. The average emissions were further corrected by applying the duty cycle correction of the EUT for comparison to the average limit.

Each emission found to be in a restricted band as defined by section 15.205, including any emission at the operational band-edge, was compared to the radiated emission limits as defined in section 15.209.

7.5.2.2 Duty Cycle Correction

For average radiated measurements, using a 66% duty cycle, the measured level was reduced by a factor -3.61dB. The duty cycle correction factor is determined using the formula: 20log (66/100) = - 3.61dB.

A detailed analysis of the duty cycle timing is provided in the Theory of Operation accompanying the application for certification.

7.5.2.3 Measurement Results

Table 7.5.2.3-1: Radiated Spurious Emissions Tabulated Data

Frequency (MHz)	Level (dBuV)		Antenna Polarity	Correction Factors	Corrected Level (dBuV/m)		Limit (dBuV/m)		Margin (dB)	
	pk	Qpk/Avg	(H/V)	(dB)	pk	Qpk/Avg	pk	Qpk/Avg	pk	Qpk/Avg
2405 MHz										
2390	55.35	47.12	H	0.14	55.49	43.65	74.0	54.0	18.5	10.4
2390	48.67	40.01	V	0.14	48.81	36.54	74.0	54.0	25.2	17.5
4810	43.52	32.11	H	7.89	51.41	36.39	74.0	54.0	22.6	17.6
4810	45.74	35.54	V	7.89	53.63	39.82	74.0	54.0	20.4	14.2
12025	41.15	30.33	H	20.94	62.09	47.66	83.5	63.5	21.4	15.9
12025	41.98	30.10	V	20.94	62.92	47.43	83.5	63.5	20.6	16.1
2440 MHz										
4880	43.16	32.29	H	8.11	51.27	36.79	74.0	54.0	22.7	17.2
4880	45.06	35.34	V	8.11	53.17	39.84	74.0	54.0	20.8	14.2
12200	40.15	28.68	H	21.98	62.13	47.06	83.5	63.5	21.4	16.5
12200	42.45	32.11	V	21.98	64.43	50.49	83.5	63.5	19.1	13.1
2475 MHz										
2483.5	60.70	52.98	H	0.69	61.39	50.06	74.0	54.0	12.6	3.9
2483.5	55.09	47.22	V	0.69	55.78	44.30	74.0	54.0	18.2	9.7
4950	43.10	31.45	H	8.34	51.44	36.18	74.0	54.0	22.6	17.8
4950	43.21	31.91	V	8.34	51.55	36.64	74.0	54.0	22.5	17.4

7.5.2.4 Sample Calculation:

$R_C = R_U + CF_T$

Where:

CF_T	=	Total Correction Factor (AF+CA+AG)-DC (Average Measurements Only)
R_U	=	Uncorrected Reading
R_C	=	Corrected Level
AF	=	Antenna Factor
CA	=	Cable Attenuation
AG	=	Amplifier Gain
DC	=	Duty Cycle Correction Factor

Example Calculation: Peak

Corrected Level: 55.35 + 0.14 = 55.49dBuV/m
Margin: 74.0dBuV/m – 55.49dBuV/m = 18.5dB

Example Calculation: Average

Corrected Level: 47.12 + 0.14 - 3.61 = 43.65dBuV
Margin: 54.0dBuV – 43.65dBuV = 10.4dB

7.6 Maximum Power Spectral Density in the Fundamental Emission – FCC 15.247(e) IC: RSS-247 5.2(2)

7.6.1 Measurement Procedure

The power spectral density was measured in accordance with the FCC KDB 558074 D01 DTS Meas Guidance v03r03 utilizing the PKPSD (peak PSD) method. The RF output of the equipment under test was directly connected to the input of the spectrum analyzer applying suitable attenuation. The Resolution Bandwidth (RBW) of the spectrum analyzer was set to 3 kHz. The Video Bandwidth (VBW) was set to 10 kHz. Span was set to 1.5 times the DTS bandwidth. The trace was set to max hold with a peak detector active.

7.6.2 Measurement Results

Table 7.6.2-1: Peak Power Spectral Density

Frequency (MHz)	PSD Level (dBm)
2405	3.52
2445	3.32
2475	0.44

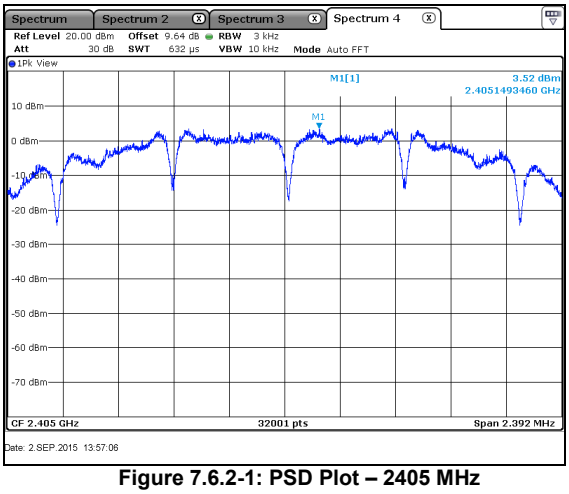

Figure 7.6.2-1: PSD Plot – 2405 MHz

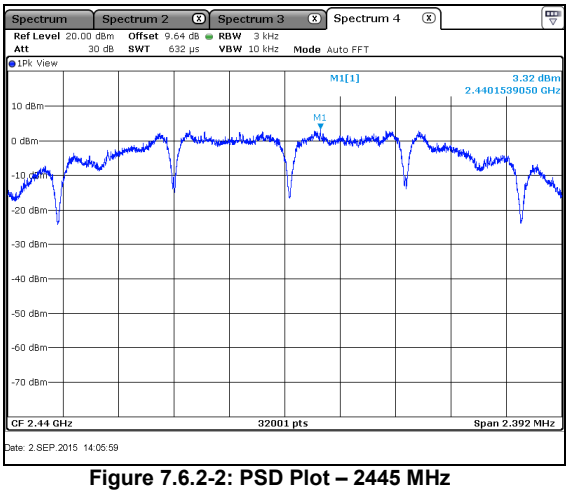

Figure 7.6.2-2: PSD Plot – 2445 MHz

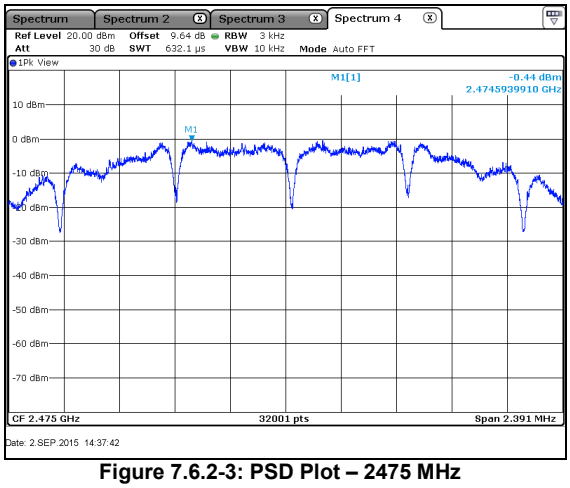

Figure 7.6.2-3: PSD Plot – 2475 MHz

8 CONCLUSION

In the opinion of ACS, Inc. the G5 Integrated Focus AXe, manufactured by Landis+Gyr Technology, Inc. meets the requirements of FCC Part 15 subpart C and Industry Canada's Radio Standards Specification RSS-247.

END REPORT