Excellence in Compliance Testing

Certification Test Report

FCC ID: R7PCGR1S2

FCC Rule Part: 15.247

ACS Report Number: 12-0230.W03.1A

Manufacturer: Landis+Gyr Technology, Inc.
Model: BLT5

Test Begin Date: May 29, 2012
Test End Date: October 29, 2013

Report Issue Date: June 16, 2014

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 19 pages

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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-210.

1.2 General

The BLT5 receives and transmits packets of data in half-duplex operation on the CellNet wireless LAN using the 900 MHz radio frequency band as a component of either the Microcell Controller (MCC) or the Infinet Concentrator (IC). The BLT5 is compatible with on-off keyed (OOK) data modulation used in the current LAN and cyclic code shift keying (CCSK) to reduce the signal to noise ratio required in the receiver to obtain the same packet success rate as OOK data modulation.

The BLT5 receives packets from endpoints on one of two antenna inputs at a frequency of 917.58 MHz and outputs the packet data serially to the MCC's processor using an RS232 interface.

Technical Details:
Band of Operation: 917.58 MHZ
Number of Channels: 1
Modulation Format: CCSK (OOK)
Antenna Type/Gain: PCTEL ASG918 omni-directional collinear elevated feed point, 3dBi
RF Outputs: 2 (Port A / Port B)
Operating Voltage: 12VDC

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

Test Sample Serial Number: D029V381300000027

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

1.3 Test Methodology and Considerations

For radiated emissions the EUT was tested multiple orientations. The EUT provides two RF output ports for diversity, both of which were evaluated with worst case data provided in this report where appropriate.

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:

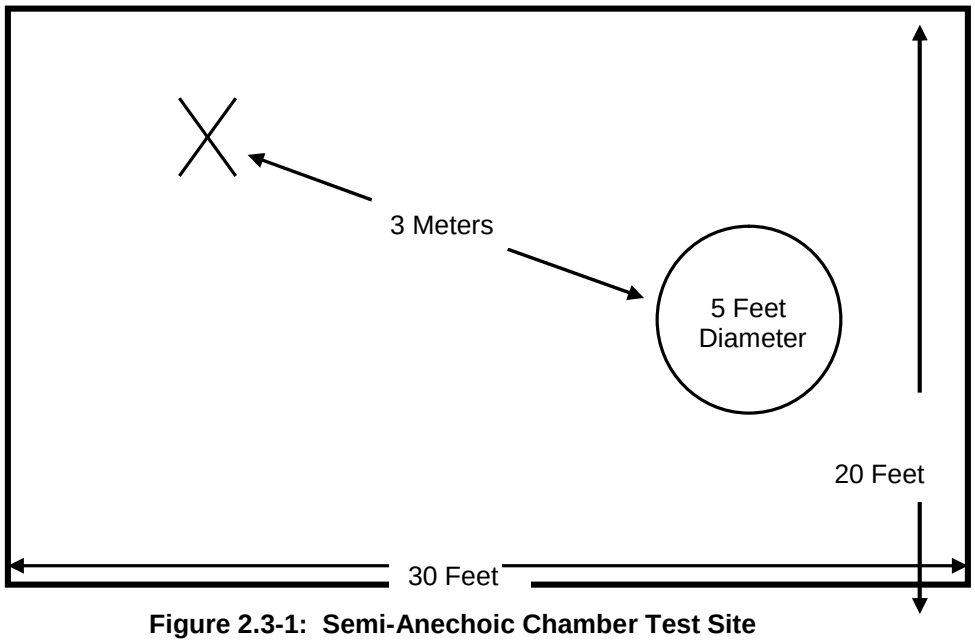

Figure 2.3-1: Semi-Anechoic Chamber Test Site

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:

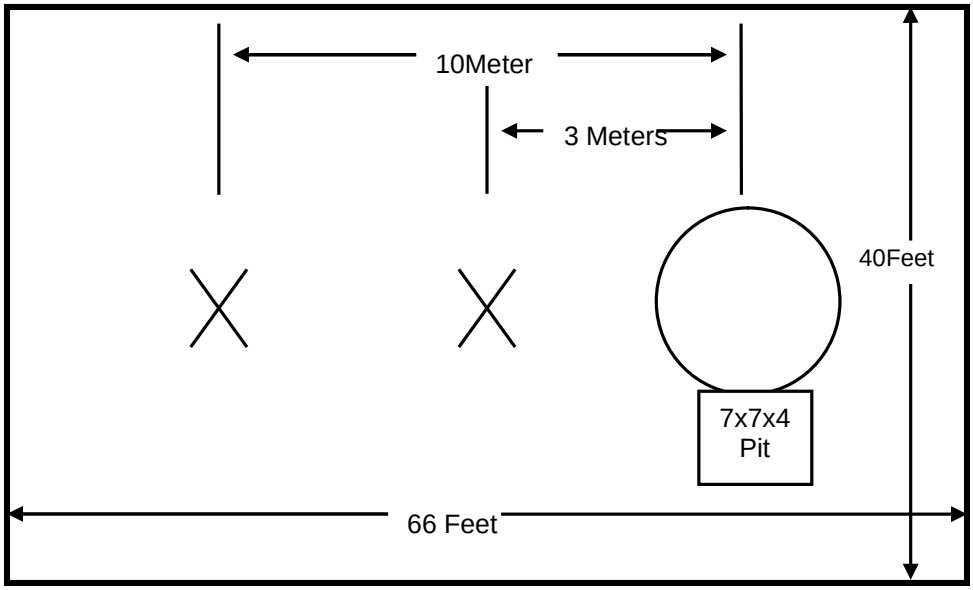

Figure 2.3-2: Open Area Test Site

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:

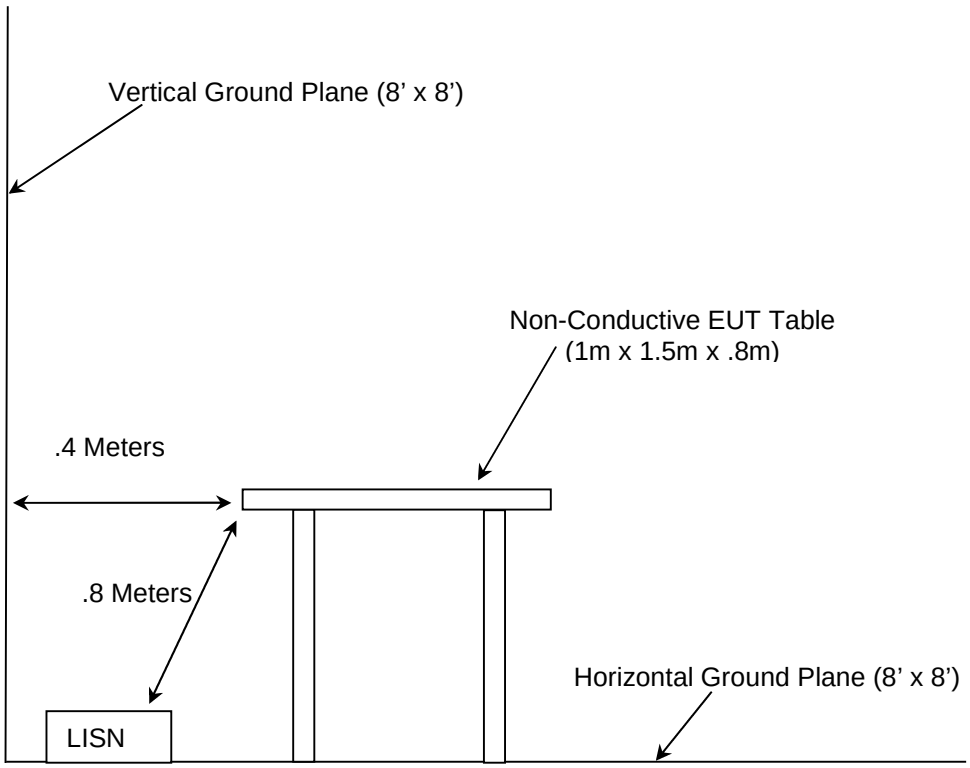

Figure 2.4-1: AC Mains Conducted EMI Site

3 APPLICABLE STANDARD REFERENCES

The following standards were used:

- ANSI C63.4-2003: Method of Measurements of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the 9KHz to 40GHz
- ANSI C63.10-2009: American National Standard for Testing Unlicensed Wireless Devices
- US Code of Federal Regulations (CFR): Title 47, Part 2, Subpart J: Equipment Authorization Procedures, 2013
- US Code of Federal Regulations (CFR): Title 47, Part 15, Subpart C: Radio Frequency Devices, Intentional Radiators, 2013
- FCC KDB 558074 D01 DTS Meas Guidance v03r01 - Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247, April 9, 2013
- Industry Canada Radio Standards Specification: RSS-210 - Low-power License-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment, Issue 8, Dec 2010
- Industry Canada Radio Standards Specification: RSS-GEN – General Requirements and Information for the Certification of Radiocommunication Equipment, Issue 3, Dec 2010.

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	8/2/2012	8/2/2014
2	Rohde & Schwarz	ESMI-Receiver	Spectrum Analyzers	839587/003	8/2/2012	8/2/2014
30	Spectrum Technologies	DRH-0118	Antennas	970102	4/23/2013	4/23/2015
40	EMCO	3104	Antennas	3211	2/14/2013	2/14/2015
73	Agilent	8447D	Amplifiers	2727A05624	7/16/2013	7/16/2014
153	EMCO	3825/2	LISN	9411-2268	7/31/2012	7/31/2014
167	ACS	Chamber EMI Cable Set	Cable Set	167	12/17/2012	12/17/2013
168	Hewlett Packard	11947A	Attenuators	44829	2/1/2013	2/1/2014
267	Agilent	N1911A	Meters	MY45100129	7/30/2013	7/30/2015
268	Agilent	N1921A	Sensors	MY45240184	7/30/2013	7/30/2015
283	Rohde & Schwarz	FSP40	Spectrum Analyzers	1000033	9/18/2013	9/18/2015
292	Florida RF Cables	SMR-290AW-480.0-SMR	Cables	None	3/26/2013	3/26/2014
324	ACS	Belden	Cables	8214	6/17/2013	6/17/2014
337	Microwave Circuits	H1G513G1	Filters	282706	6/19/2013	6/19/2014
338	Hewlett Packard	8449B	Amplifiers	3008A01111	7/30/2013	7/30/2015
340	Aeroflex/Weinschel	AS-20	Attenuators	7136	7/30/2013	7/30/2014
412	Electro Metrics	LPA-25	Antennas	1241	7/27/2012	7/27/2014
422	Florida RF	SMS-200AW-72.0-SMR	Cables	805	11/20/2012	11/20/2013
616	Florida RF Cables	SMRE-200W-12.0-SMRE	Cables	N/A	9/26/2013	9/26/2014
RE90	Agilent	E7404A	Analyzers	US40240143	11/28/2012	11/28/2013

5 SUPPORT EQUIPMENT

Table 5-1: Support Equipment

Item	Equipment Type	Manufacturer	Model Number	Serial Number
1	AC Adaptor	CUI, Inc.	KSAFD1200125W1US	NA

6 EQUIPMENT UNDER TEST SETUP BLOCK DIAGRAM

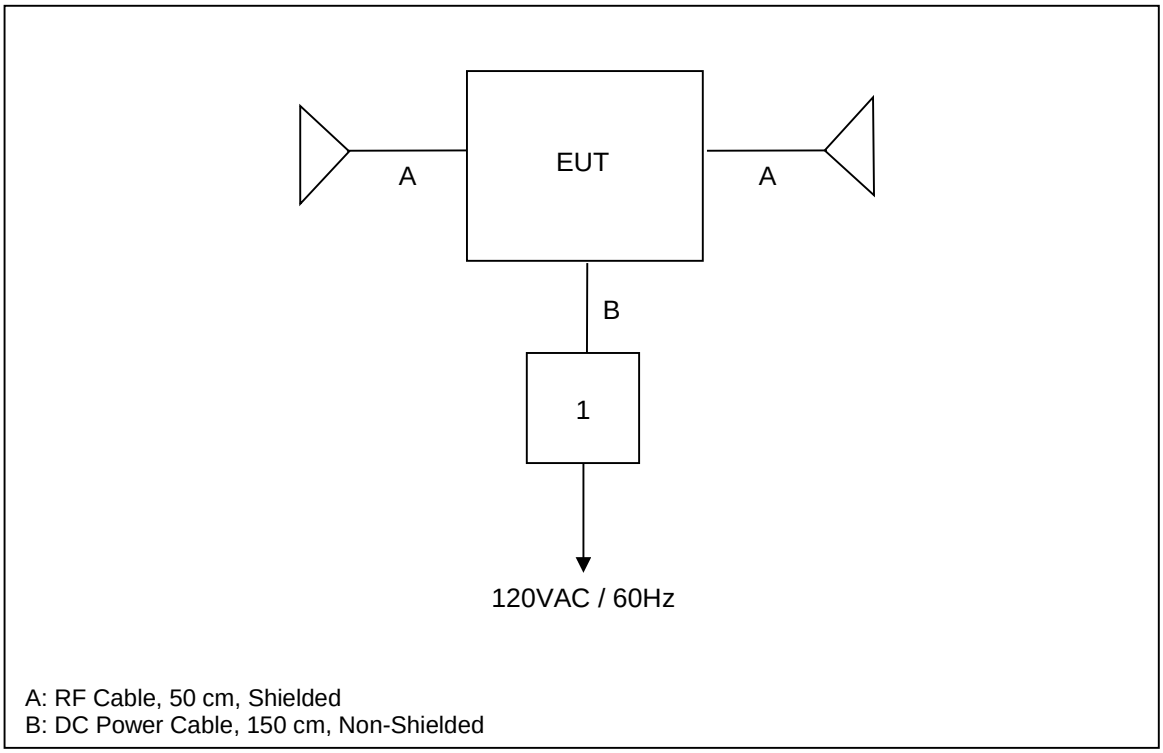

Figure 6-1: EUT Test Setup

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: Section 15.203

The antenna is an omni-directional collinear elevated feed point antenna with gain of 3 dBi. The EUT coupling is MCX however the antenna coupling is N-Type. Professional installation is specified.

7.2 Power Line Conducted Emissions – FCC: Section 15.207, IC: RSS-Gen 7.2.4

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

Results of the test are shown below in and Tables 7.2.2-1 to 7.2.2-4.

Table 7.2.2-1: Conducted EMI Results – Antenna A, Line 1

Frequency (MHz)	Uncorrected Reading		Total Correction Factor (dB)	Corrected Level		Limit		Margin (dB)	
	Quasi-Peak	Average		Quasi-Peak	Average	Quasi-Peak	Average	Quasi-Peak	Average
14.1722	21.533	17.85	10.544	32.077	28.394	60	50	27.923	21.606
13.6837	24.867	22.505	10.524	35.391	33.03	60	50	24.609	16.97
13.1948	23.219	18.387	10.504	33.723	28.891	60	50	26.277	21.109
12.7044	29.839	27.336	10.484	40.323	37.82	60	50	19.677	12.18
0.232049	25.492	18.114	10.07	35.562	28.184	63.656	53.656	28.094	25.472
0.171519	34.113	26.197	10.149	44.262	36.346	65.385	55.385	21.124	19.04

Table 7.2.2-2: Conducted EMI Results – Antenna A, Line 2

Frequency (MHz)	Uncorrected Reading		Total Correction Factor (dB)	Corrected Level		Limit		Margin (dB)	
	Quasi-Peak	Average		Quasi-Peak	Average	Quasi-Peak	Average	Quasi-Peak	Average
14.6622	21.959	19.933	10.565	32.523	30.497	60	50	27.477	19.503
13.6853	24.207	21.91	10.524	34.731	32.434	60	50	25.269	17.566
12.7066	27.522	24.852	10.484	38.006	35.337	60	50	21.994	14.663
11.7287	25.678	22.39	10.444	36.122	32.834	60	50	23.878	17.166
0.228788	25.682	18.975	10.074	35.756	29.049	63.749	53.749	27.993	24.7
0.17095	32.843	25.43	10.15	42.992	35.58	65.401	55.401	22.409	19.822

Table 7.2.2-3: Conducted EMI Results – Antenna B, Line 1

Frequency (MHz)	Uncorrected Reading		Total Correction Factor (dB)	Corrected Level		Limit		Margin (dB)	
	Quasi-Peak	Average		Quasi-Peak	Average	Quasi-Peak	Average	Quasi-Peak	Average
14.6649	23.29	21.291	10.565	33.854	31.855	60	50	26.146	18.145
13.6883	27.216	25.084	10.525	37.74	35.608	60	50	22.26	14.392
12.7106	25.604	23.197	10.484	36.088	33.682	60	50	23.912	16.318
11.7304	24.647	22.091	10.444	35.091	32.535	60	50	24.909	17.465
0.231999	23.937	17.136	10.07	34.007	27.206	63.657	53.657	29.65	26.451
0.175269	31.368	23.51	10.144	41.511	33.654	65.278	55.278	23.767	21.624

Table 7.2.2-4: Conducted EMI Results – Antenna B, Line 2

Frequency (MHz)	Uncorrected Reading		Total Correction Factor (dB)	Corrected Level		Limit		Margin (dB)	
	Quasi-Peak	Average		Quasi-Peak	Average	Quasi-Peak	Average	Quasi-Peak	Average
13.6872	27.287	24.818	10.524	37.811	35.342	60	50	22.189	14.658
12.7098	26.435	24.37	10.484	36.919	34.854	60	50	23.081	15.146
11.7321	25.352	23.292	10.444	35.796	33.736	60	50	24.204	16.264
0.555625	22.021	19.253	9.99	32.011	29.243	56	46	23.989	16.757
0.493649	21.992	19.259	9.989	31.981	29.248	56.181	46.181	24.2	16.933
0.184863	31.929	26.148	10.13	42.059	36.278	65.004	55.004	22.945	18.726

7.3 6dB / 99% Bandwidth – FCC: Section 15.247(a)(2), IC: RSS-210 A8.2(a)

7.3.1 Measurement Procedure

The 6dB bandwidth was measured in accordance with the FCC KDB 558074 D01 DTS Meas Guidance v03r01. 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 as close to 1% of the selected span as is possible without being below 1%. The video bandwidth was set to 3 times the resolution bandwidth. A sampling detector was used.

7.3.2 Measurement Results

Results are shown below in table 7.3.2-1 and figures 7.3.2-1 to 7.3.2-4:

Table 7.3.2-1: 6dB / 99% Bandwidth

Frequency [MHz]	6dB Bandwidth [MHz]	99% Bandwidth [MHz]	Antenna Port
917.58	1.36	3.80	A
917.58	1.36	3.80	B

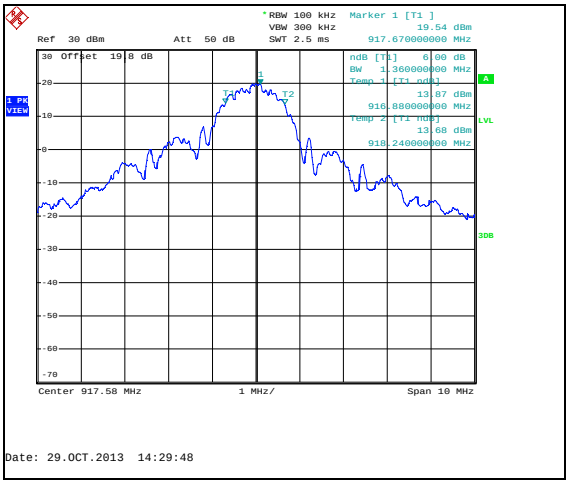

Figure 7.3.2-1: 6dB Bandwidth Plot – Port A

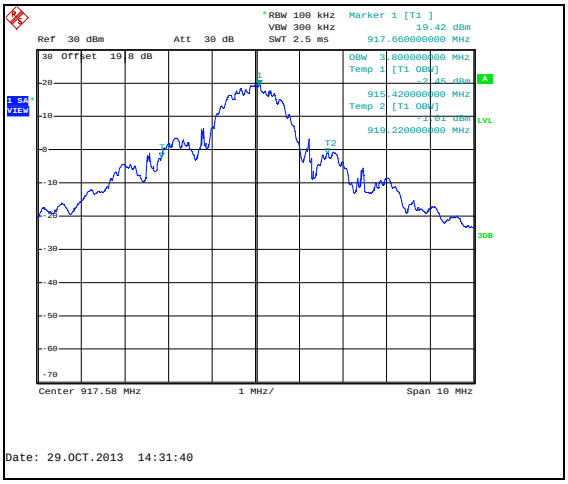

Figure 7.3.2-2: 99% Bandwidth Plot – Port A

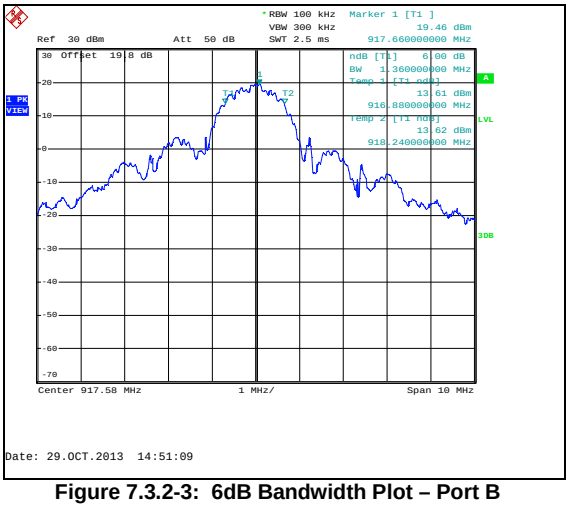

Figure 7.3.2-3: 6dB Bandwidth Plot – Port B

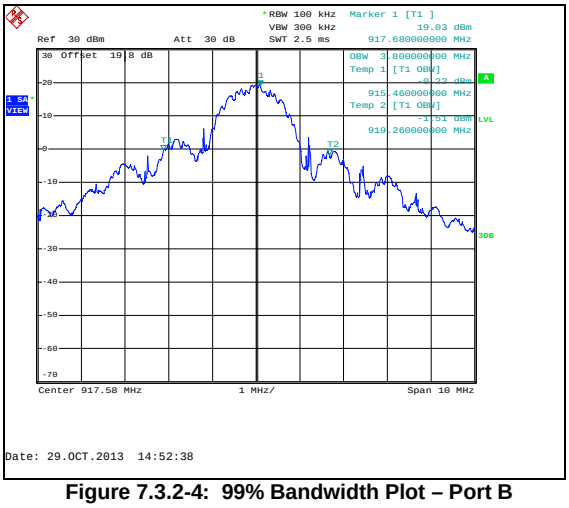

Figure 7.3.2-4: 99% Bandwidth Plot – Port B

7.4 Fundamental Emission Output Power – FCC: Section 15.247(b)(3), IC: RSS-210 A8.4(4)

7.4.1 Measurement Procedure

The maximum peak conducted output power was measured in accordance with FCC KDB 558074 D01 DTS Meas Guidance v03r01 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

Results are shown below in Table 7.4.2-1.

Table 7.4.2-1: Maximum Peak Conducted Output Power

Frequency [MHz]	Output Power (dBm)	Antenna Port
917.58	25.43	A
917.58	25.28	B

7.5 Emission Levels – FCC: Section 15.247(d), 15.205 IC: RSS-210 2.2, A8.5

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 v03r01. 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 10GHz, 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

RF Conducted Emissions are displayed in Figures 7.5.1.2-1 through 7.5.1.2-6.

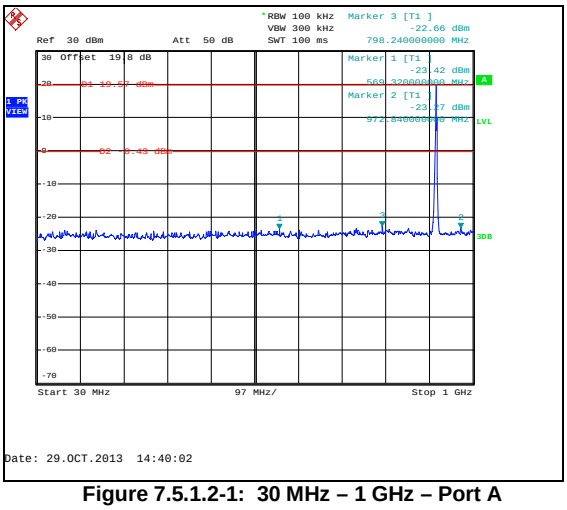

Figure 7.5.1.2-1: 30 MHz – 1 GHz – Port A

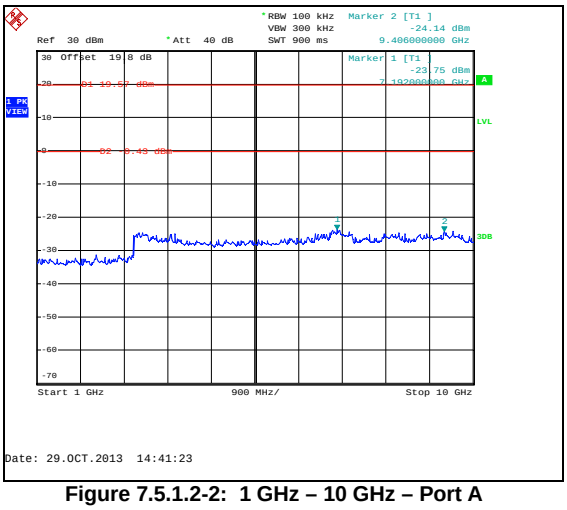

Figure 7.5.1.2-2: 1 GHz – 10 GHz – Port A

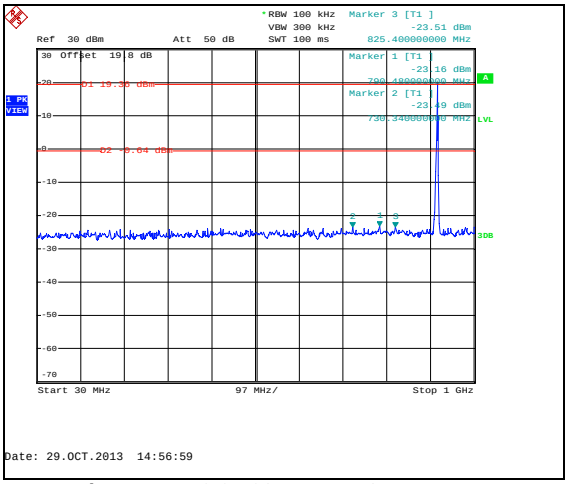

Figure 7.5.1.2-3: 30 MHz – 1 GHz – Port B

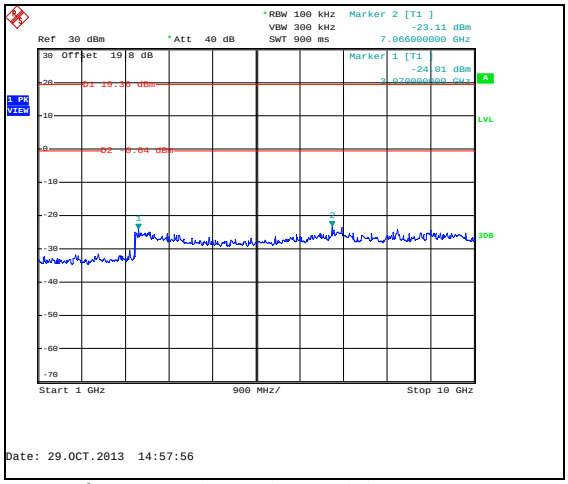

Figure 7.5.1.2-4: 1 GHz – 10 GHz – Port B

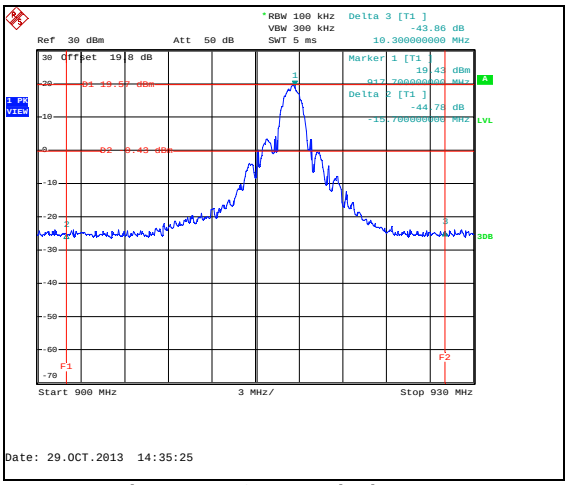

Figure 7.5.1.2-5: Band-edge – Port A

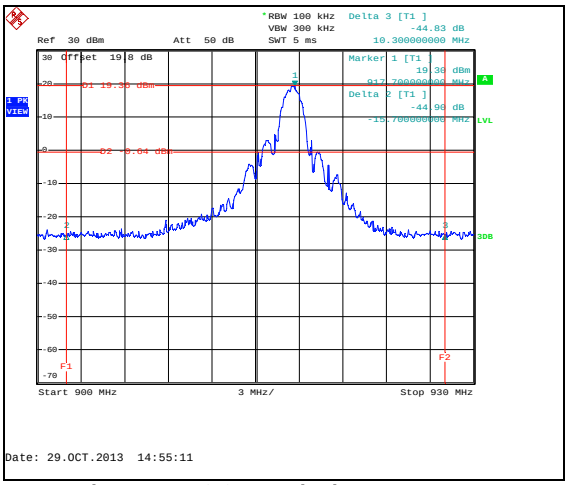

Figure 7.5.1.2-6: Band-edge – Port B

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 10GHz, 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 Measurement Results

Radiated spurious emissions found in the band of 30MHz to 10GHz are reported in Tables 7.5.3.3-1 to 7.5.3.3-2 below.

Table 7.5.3.3-1: Radiated Spurious Emissions Tabulated Data – RF Output Port A

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
X Position										
2752.74	60.14	48.26	H	-4.31	55.83	43.95	74.0	54.0	18.2	10.0
2752.74	66.23	54.20	V	-4.31	61.92	49.89	74.0	54.0	12.1	4.1
4587.9	50.15	37.72	V	1.30	51.45	39.02	74.0	54.0	22.5	15.0
Y-Position										
2752.74	59.94	48.36	H	-4.31	55.63	44.05	74.0	54.0	18.4	9.9
2752.74	66.34	54.35	V	-4.31	62.03	50.04	74.0	54.0	12.0	4.0
4587.9	48.14	36.61	H	1.30	49.44	37.91	74.0	54.0	24.6	16.1
4587.9	48.32	37.01	V	1.30	49.62	38.31	74.0	54.0	24.4	15.7
Z-Position										
2752.74	60.70	48.91	H	-4.31	56.39	44.60	74.0	54.0	17.6	9.4
2752.74	67.58	55.78	V	-4.31	63.27	51.47	74.0	54.0	10.7	2.5
4587.9	50.96	38.33	V	1.30	52.26	39.63	74.0	54.0	21.7	14.4

Table 7.5.3.3-2: Radiated Spurious Emissions Tabulated Data – RF Output Port B

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
X Position										
2752.74	56.31	44.96	H	-4.31	52.00	40.65	74.0	54.0	22.0	13.3
2752.74	66.57	54.86	V	-4.31	62.26	50.55	74.0	54.0	11.7	3.4
Y-Position										
2752.74	59.92	48.03	H	-4.31	55.61	43.72	74.0	54.0	18.4	10.3
2752.74	64.71	53.16	V	-4.31	60.40	48.85	74.0	54.0	13.6	5.1
Z-Position										
2752.74	57.83	46.15	H	-4.31	53.52	41.84	74.0	54.0	20.5	12.2
2752.74	65.37	54.07	V	-4.31	61.06	49.76	74.0	54.0	12.9	4.2

7.5.2.3 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: 60.14 + -4.31 = 55.83dBuV/m
Margin: 74dBuV/m – 55.83dBuV/m = 18.2dB

Example Calculation: Average

Corrected Level: 48.26 + -4.31 - 0 = 43.95dBuV
Margin: 54dBuV – 43.95dBuV = 10.0dB

7.6 Maximum Power Spectral Density in the Fundamental Emission – FCC: Section 15.247(e) IC: RSS-210 A8.2(b)

7.6.1 Measurement Procedure

The power spectral density was measured in accordance with the FCC KDB 558074 D01 DTS Meas Guidance v03r01 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

Results are shown below in table 7.6.2-1 and figures 7.6.2-1 to 7.6.2-2.

Table 7.6.2-1: Peak Power Spectral Density

Frequency [MHz]	PSD Level (dBm)	Antenna Port
917.58	6.28	A
917.58	6.23	B

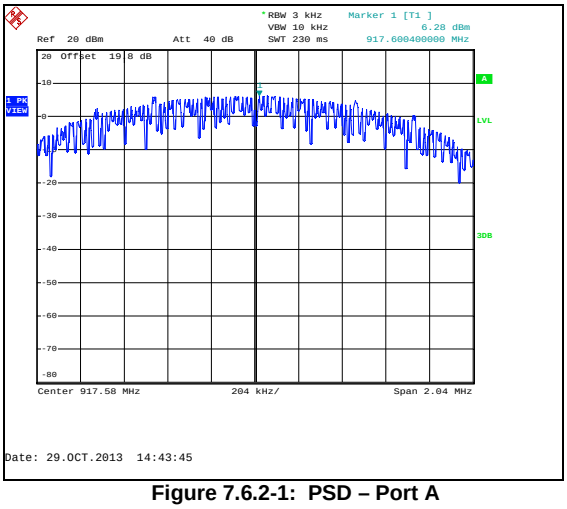

Figure 7.6.2-1: PSD – Port A

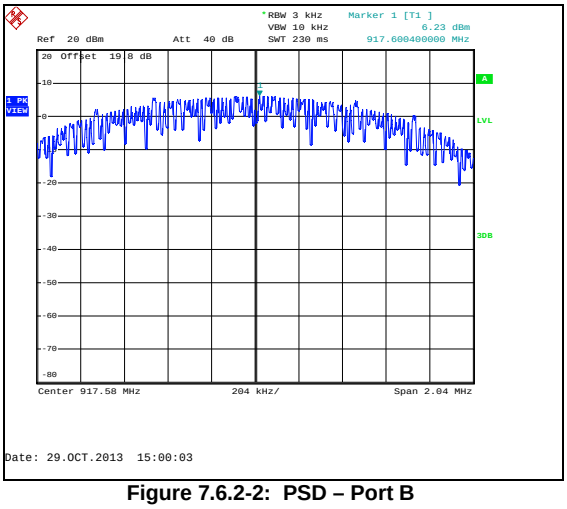

Figure 7.6.2-2: PSD – Port B

8 CONCLUSION

In the opinion of ACS, Inc., the BLT5 manufactured by Landis+Gyr Technology, Inc. meets the requirements of FCC Part 15 subpart C and Industry Canada's Radio Standards Specification RSS-210.

END REPORT