

Certification Test Report

**FCC ID: ONTJETIDC24US
IC: 10491A-JETIDC24US**

**FCC Rule Part: 15.247
ISED Canada Radio Standards Specification: RSS-247**

ACS Report Number: 16-2031.W06.1A

Applicant: Esprit Model

Model(s): JETIDC24US

**Test Begin Date: May 17, 2016
Test End Date: June 22, 2016**

Report Issue Date: August 3, 2016



FOR THE SCOPE OF ACCREDITATION UNDER CERTIFICATE NUMBER AT-1533

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This report contains 30 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 Innovation, Science and Economic Development (ISED) Canada's Radio Standards Specification RSS-247.

1.2 Applicant Information

Esprit Model, Inc.
1240 Clearmont St. NW
Palm Bay, FL 32905, USA

1.3 Product Description

The Esprit Model JETIDC24US is a 900 MHz/2.4 GHz transceiver with telemetry for radio control model toys. This report documents the compliance of the 900 MHz transceiver.

Technical Details

Mode of Operation: 900 MHz ISM
Frequency Range: 905.967 MHz - 923.966 MHz
Number of Channels: 16
Channel Separation: 1.2 MHz
Modulations: O-QPSK
Antenna Type/Gain: Flexible Dipole Antenna, 1.2 dBi
Input Power: 3.3 VDC internal battery, 12 VDC wall adapter

Model Number: JETIDC24US

Test Sample Serial Number(s): 155100470

Test Sample Condition: The equipment was provided in good condition without any physical damage.

1.4 Test Methodology and Considerations

The EUT was evaluated for radiated, power line and RF conducted emissions for the 900 MHz transceiver. The measurements were performed using the software attenuation setting of 7. Per the manufacturer, the co-located 2.4 GHz and 900 MHz radios do not transmit simultaneously.

For the radiated emissions evaluation, preliminary measurements were performed for the EUT standalone in 3 orthogonal orientations as well as with the EUT powered via the wall adapter. The final measurements were performed for the EUT Standalone, upright on the test table as the worst case configuration.

The EUT was evaluated separately to the unintentional emissions test requirements. In order to meet the requirements, ferrites were implemented on the cables to the accessory equipment. The results and modification details are documented separately in a Declaration of Conformity / Verification test report.

2 TEST FACILITIES

2.1 Location

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

Advanced Compliance Solutions, Inc.
3998 FAU Blvd, Suite 310
Boca Raton, Florida 33431
Phone: (561) 961-5585
Fax: (561) 961-5587
www.acstestlab.com

FCC Test Firm Registration #: 475089
Innovation, Science and Economic Development Canada Lab Code: 4175C

2.2 Laboratory Accreditations/Recognitions/Certifications

ACS is accredited to ISO/IEC 17025 by ANSI-ASQ National Accreditation Board under their ANAB program and has been issued certificate number AT-1533 in recognition of this accreditation. Unless otherwise specified, all test methods described within this report are covered under the ISO/IEC 17025 scope of accreditation.

2.3 Radiated & Conducted Emissions Test Site Description

2.3.1 Semi-Anechoic Chamber Test Site

The EMC radiated test facility consists of an RF-shielded enclosure. The interior dimensions of the indoor semi-anechoic chamber are approximately 48 feet (14.6 m) long by 36 feet (10.8 m) wide by 24 feet (7.3 m) high and consist of rigid, 1/8 inch (0.32 cm) steel-clad, wood core modular panels with steel framing. In the shielded enclosure, the faces of the panels are galvanized and the chamber is self-supporting. 8-foot RF absorbing cones are installed on 4 walls and the ceiling. The steel-clad ground plane is covered with vinyl flooring.

The turntable is driven by pneumatic motor, which is capable of supporting a 2000 lb. load. The turntable is flush with the chamber floor which it is connected to, around its circumference, with a continuous metallic loaded spring. An EMCO Model 1060 Multi-device controller controls the turntable position.

A pneumatic motor is used to control antenna polarizations and height relative to the ground. The height information is displayed on the control unit EMCO Model 1050.

The control room is an RF shielded enclosure attached to the semi-anechoic chamber with two bulkhead panels for connecting RF, and control cables. The dimension of the room is 7.3 m x 4.9 m x 3 m high and the entrance doors of both control and conducted rooms are 3 feet (0.91 m) by 7 feet (2.13 m).

A diagram of the Semi-Anechoic Chamber Test Site is shown in Figure 2.3.1-1 below:

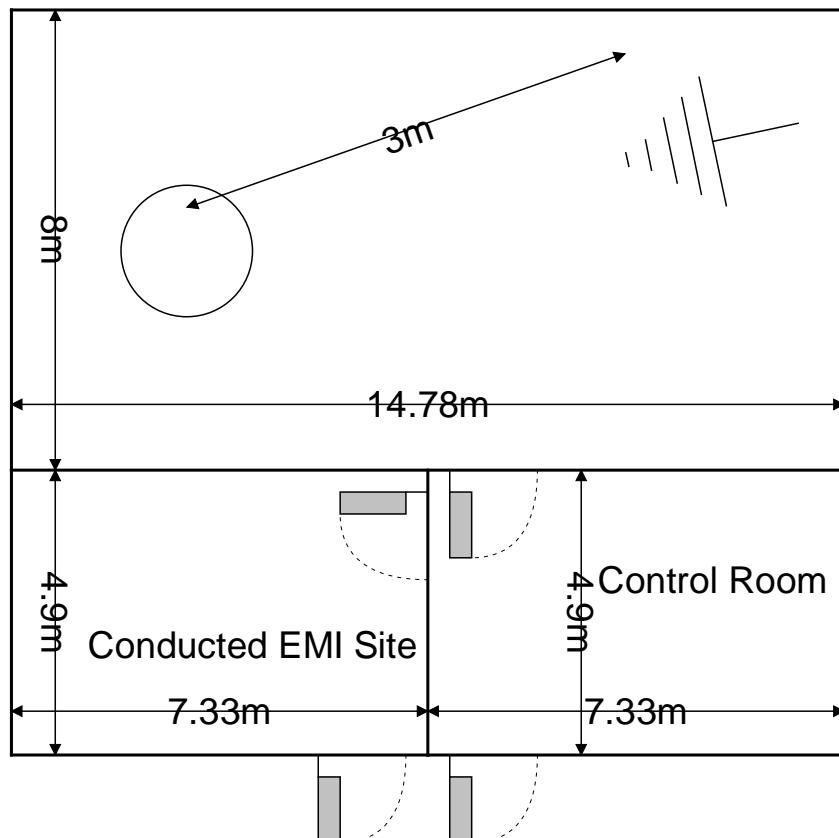


Figure 2.3.1-1: Semi-Anechoic Chamber Test Site

2.3.2 Conducted Emissions Test Site Description

The dimensions of the shielded conducted room are $7.3 \times 4.9 \times 3 \text{ m}^3$. The power line conducted emission site includes two LISNs: a Solar Model 8028-50 50 Ω /50 μH and an EMCO Model 3825/2R, which are installed as shown in the figure below. For evaluations requiring 230 V, 50 Hz AC input, a Polarad LISN (S/N 879341/048) is used in conjunction with a California Instruments signal generator Model 2001RP-OP1.

A diagram of the room is shown below in figure 2.3.2-1:

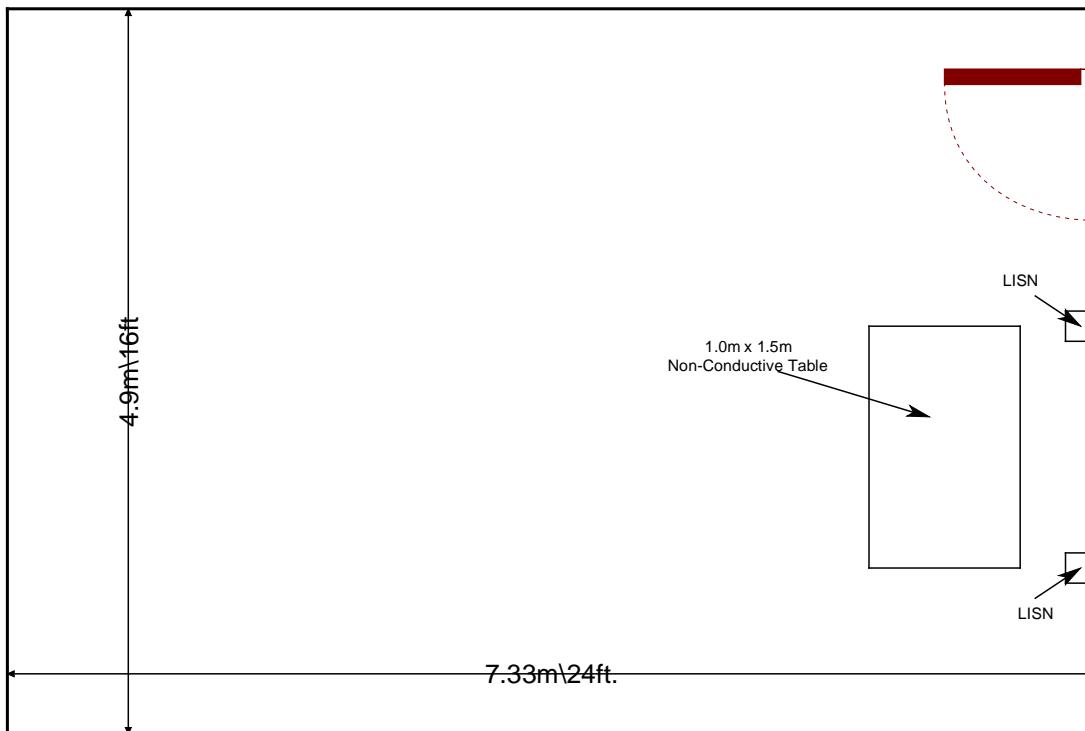


Figure 2.3.2-1: AC Mains Conducted EMI Site

3 APPLICABLE STANDARD REFERENCES

The following standards were used:

- ❖ ANSI C63.4-2014: Method of Measurements of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the 9 kHz to 40 GHz.
- ❖ 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, 2016.
- ❖ US Code of Federal Regulations (CFR): Title 47, Part 15, Subpart C: Radio Frequency Devices, Intentional Radiators, 2016
- ❖ FCC KDB 558074 D01 DTS Meas Guidance v03r05 - Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247, April 8, 2016.
- ❖ Innovation, Science and Economic Development Canada Radio Standards Specification: RSS-247 — Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices, Issue 1, May 2015.
- ❖ Innovation, Science and Economic Development Canada Radio Standards Specification: RSS-GEN – General Requirements for Compliance of Radio Apparatus, Issue 4, November 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 List

AssetID	Manufacturer	Model #	Equipment Type	Serial #	Last Calibration Date	Calibration Due Date
78	EMCO	6502	Antennas	9104-2608	5/11/2016	5/11/2018
523	Agilent	E7405	Spectrum Analyzers	MY45103293	12/26/2014	12/26/2016
2002	EMCO	3108	Antennas	2147	11/19/2015	11/19/2017
2004	EMCO	3146	Antennas	1385	11/19/2015	11/19/2017
2006	EMCO	3115	Antennas	2573	4/14/2015	4/14/2017
2011	Hewlett-Packard	HP 8447D	Amplifiers	2443A03952	11/18/2015	11/18/2016
2022	EMCO	LISN3825/2R	LISN	1095	9/14/2015	9/14/2017
2045	ACS Boca	Conducted Cable Set	Cable Set	2045	11/11/2015	11/11/2016
2069	Trilithic, Inc.	7NM867/122-X1-AA	Notch Filter	200315126	3/25/2016	3/25/2017
2071	Trilithic, Inc.	4HC1400-1-KK	Filter	9643263	11/17/2015	11/17/2016
2086	Merrimac	FAN-6-10K	Attenuators	23148-83-1	11/16/2015	11/16/2016
2089	Agilent Technologies, Inc.	83017A	Amplifiers	3123A00214	12/9/2015	12/9/2016
2095	ETS Lindgren	TILE4! - Version 4.2.A	Software	85242	NCR	NCR
2111	Aeroflex Inmet	40AH2W-20	Attenuator	2111	7/22/2015	7/22/2016
2121	ACS Boca	Radiated Cable Set	Cable Set	2121	8/22/2015	8/22/2016
RE619	Rhode & Schwarz	ESU26	Spectrum Analyzers	1302.6005K26 Ser. 100190	11/5/2014	11/5/2016
3004	Teseq	CFL 9206A	Attenuators	34720	10/7/2015	10/7/2016

NCR=No Calibration Required

5 SUPPORT EQUIPMENT

Table 5-1: EUT and Support Equipment (Radiated Emissions)

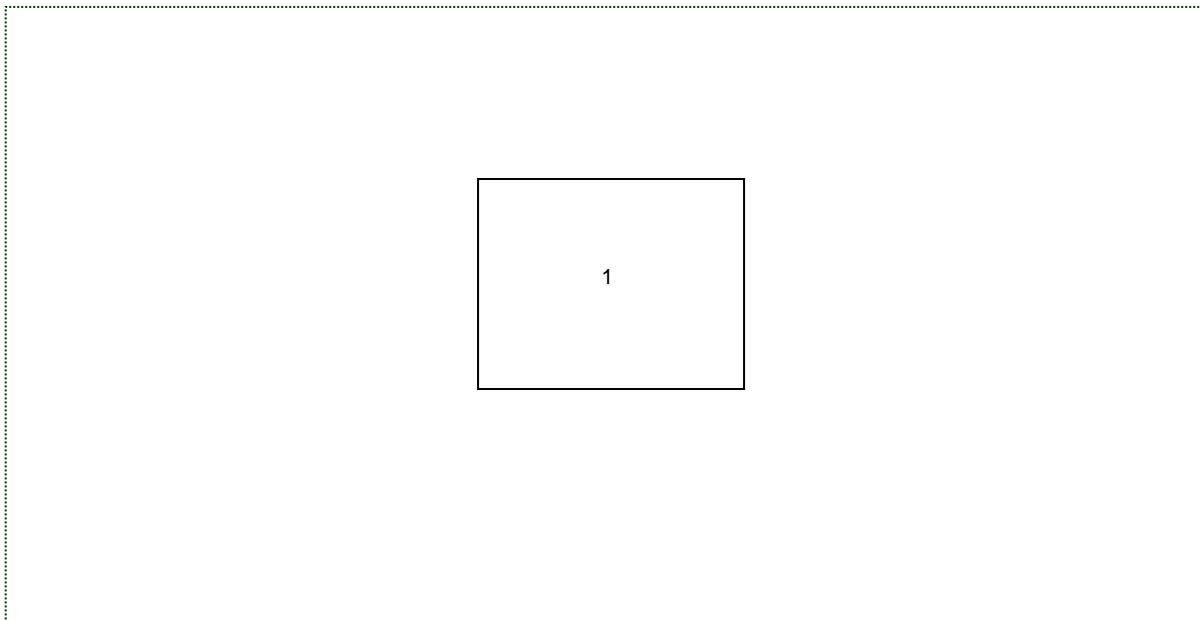
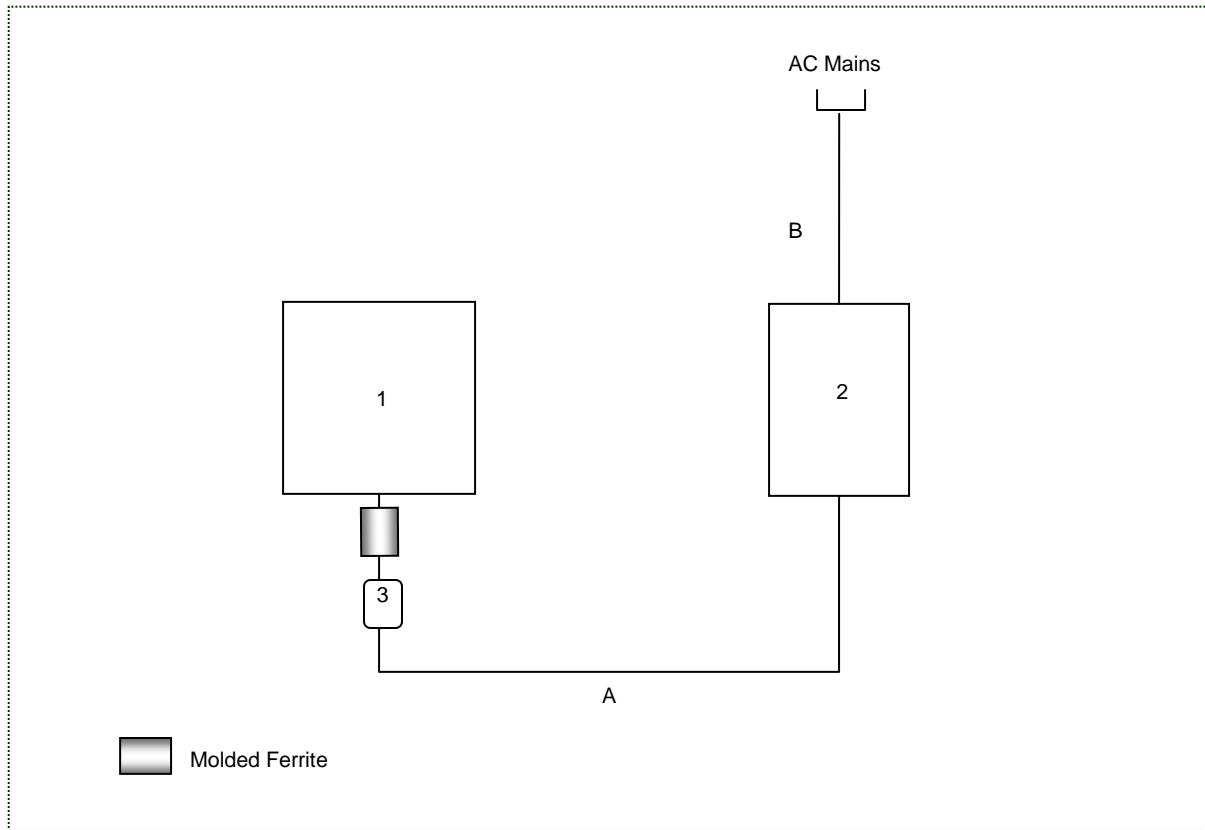
Item #	Type Device	Manufacturer	Model/Part #	Serial #
1	EUT	Esprit Model	JETIDC24US	155100470

Table 5-2: EUT and Support Equipment (Power Line Conducted Emissions)

Item #	Type Device	Manufacturer	Model/Part #	Serial #
1	EUT	Esprit Model	JETIDC24US	155100470
2	EUT Switching AC Adapter	SUNNY Computer Technology Europe s.r.o.	SYS1428-2412-W2	G150711008524
3	Ferrite (4 passes)	Laird	28A0807-0A2	N/A

Table 5-3: Cable Description (Power Line Conducted Emissions)

Cable #	Cable Type	Length	Shield	Termination
A	Power	1.40 m	No	EUT to AC Adapter
B	Extension Power Cord	1.82 m	No	EUT AC Adapter to AC Mains

6 EQUIPMENT UNDER TEST SETUP BLOCK DIAGRAM**Figure 6-1: EUT Test Setup (Radiated Emissions)****Figure 6-2: EUT Test Setup (Power Line Conducted Emissions)**

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 EUT uses a 1.2 dBi flexible dipole antenna for the 900 MHz transceiver. Both the antenna and the EUT use a u.FL. connector thus meeting the requirements of FCC 15.203.

7.2 6 dB Bandwidth - FCC: Section 15.247(a)(2); ISED Canada: RSS-247 5.2(1); 99% Bandwidth – ISED Canada: RSS-GEN 6.6

7.2.1 Measurement Procedure

The 6dB bandwidth was measured in accordance with the FCC KDB 558074 D01 DTS Meas Guidance v03r05 Section 8.2 Option 2. The RBW of the spectrum analyzer was set to 100 kHz and VBW 300 kHz. Span was set large enough to capture the emissions and >> RBW.

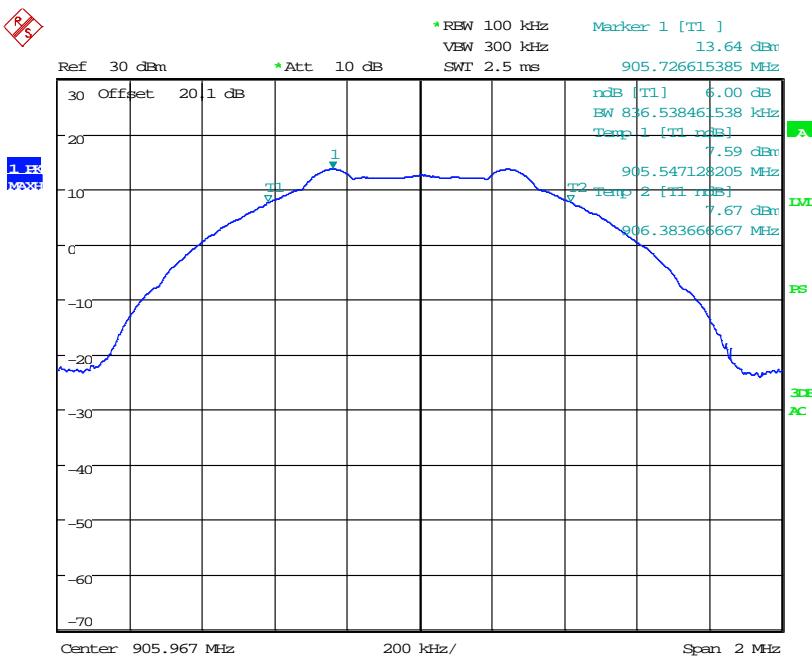
The 99% occupied bandwidth was measured with the spectrum analyzer span set to fully display the emission. The RBW was set to 1% to 5% of the approximated bandwidth. The occupied 99% bandwidth was measured by using 99% bandwidth equipment function of the spectrum analyzer.

7.2.2 Measurement Results

Results are shown below.

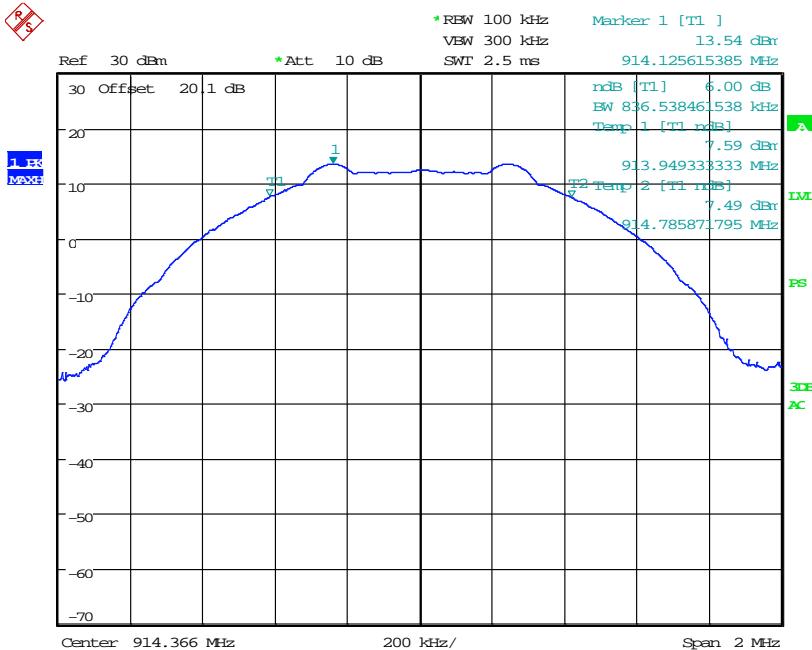
Table 7.2.2-1: 6dB / 99% Bandwidth

Frequency [MHz]	6dB Bandwidth [kHz]	99% Bandwidth [kHz]
905.967	836.538	1217.949
914.366	836.538	1217.949
923.966	833.333	1225.962



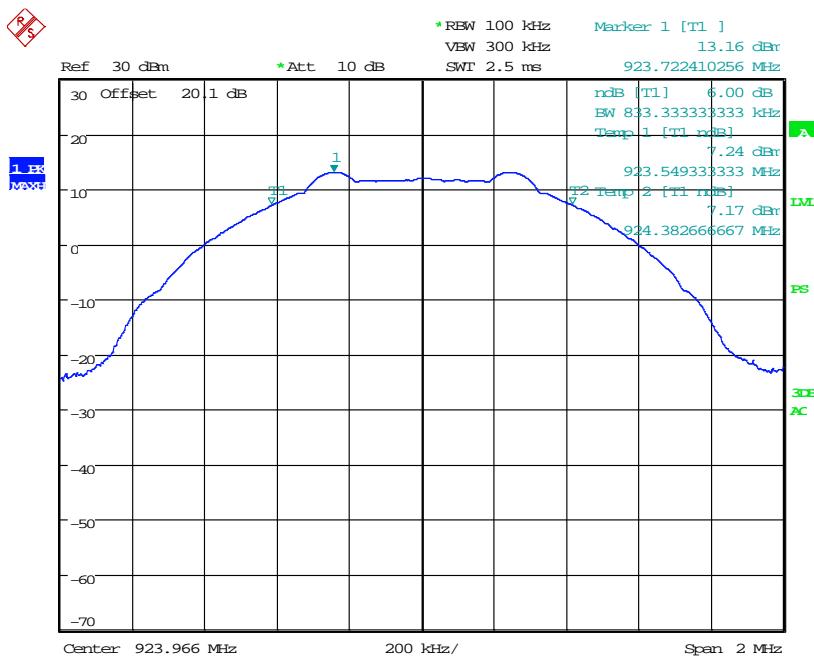
Date: 21.JUN.2016 14:05:06

Figure 7.2.2-1: 6dB BW - Low Channel



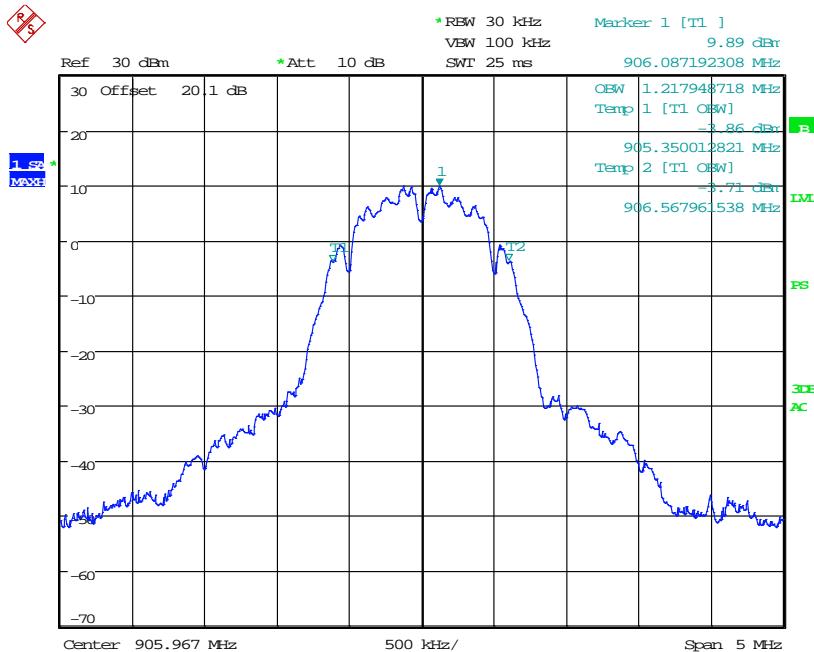
Date: 21.JUN.2016 14:31:01

Figure 7.2.2-2: 6dB BW - Middle Channel



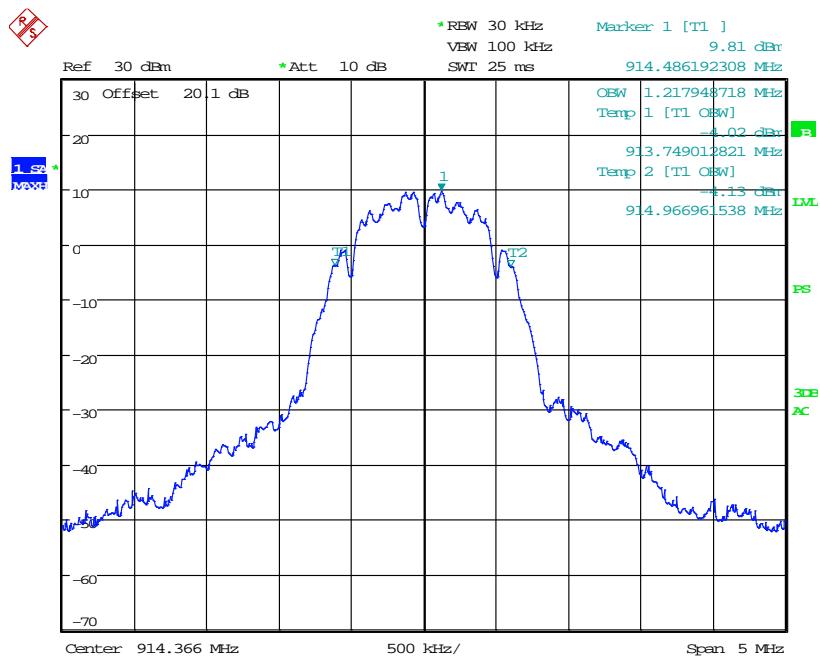
Date: 21.JUN.2016 14:36:32

Figure 7.2.2-3: 6dB BW - High Channel



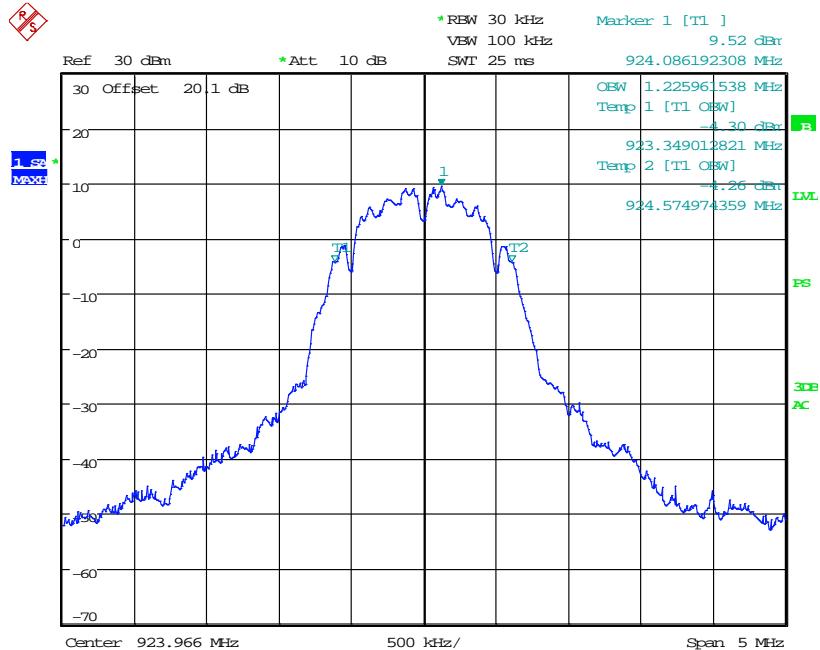
Date: 21.JUN.2016 14:11:10

Figure 7.2.2-4: 99% OBW - Low Channel



Date: 21.JUN.2016 14:17:34

Figure 7.2.2-5: 99% OBW - Middle Channel



Date: 21.JUN.2016 14:39:29

Figure 7.2.2-6: 99% OBW - High Channel

7.3 Peak Output Power - FCC Section 15.247(b)(3); ISED Canada: RSS-247 5.4(4)

7.3.1 Measurement Procedure (Conducted Method)

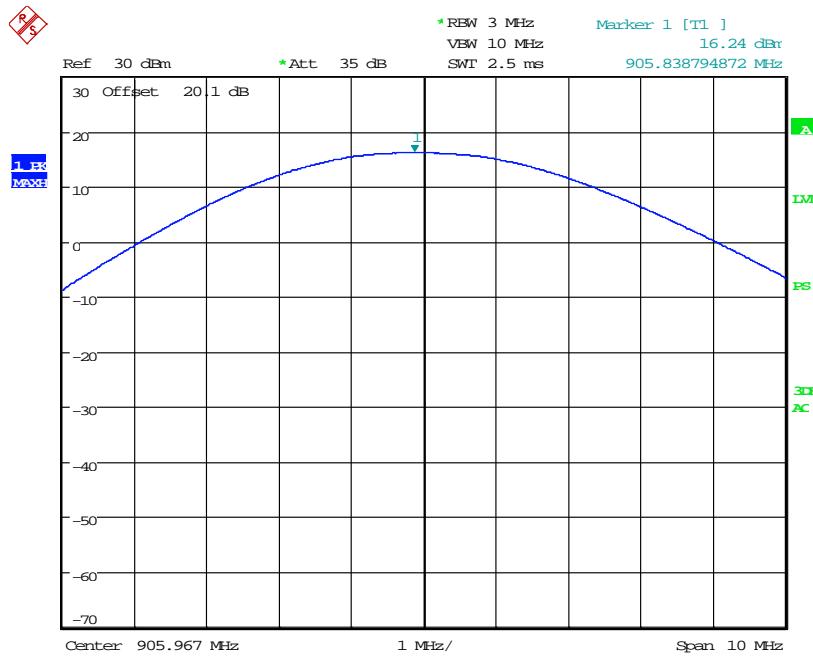
The fundamental emission output power was measured in accordance with the FCC KDB 558074 D01 DTS Meas Guidance v03r05 Section 9.1.1 RBW \geq DTS bandwidth. The RF output of the equipment under test was directly connected to the input of the spectrum analyzer through suitable attenuation.

7.3.2 Measurement Results

Results are shown below.

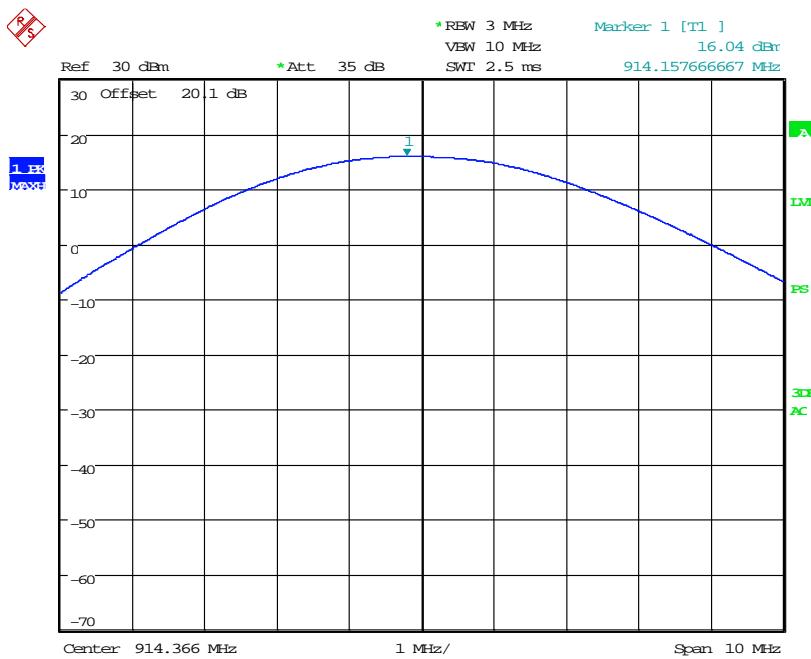
Table 7.3.2-1: RF Output Power

Frequency [MHz]	Level [dBm]
905.967	16.24
914.366	16.04
923.966	15.77



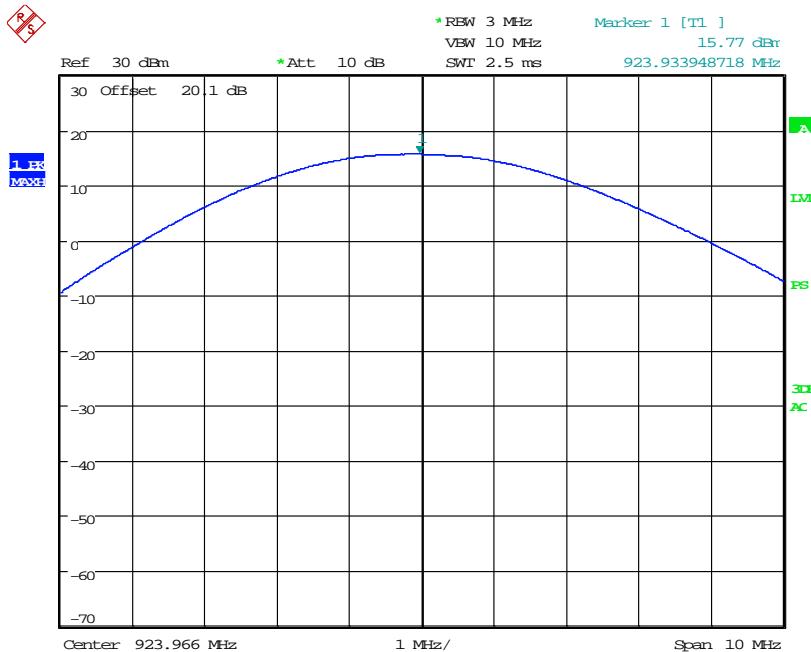
Date: 21.JUN.2016 15:02:15

Figure 7.3.2-1: RF Output Power - Low Channel



Date: 21.JUN.2016 15:00:15

Figure 7.3.2-2: RF Output Power - Middle Channel



Date: 21.JUN.2016 14:41:37

Figure 7.3.2-3: RF Output Power - High Channel

7.4 Band-Edge Compliance and Spurious Emissions

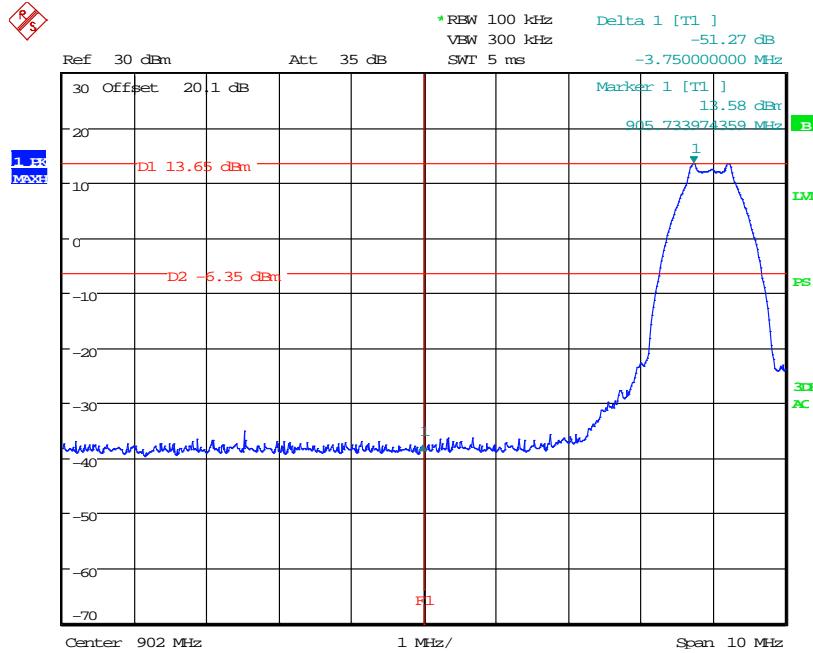
7.4.1 Band-Edge Compliance of RF Conducted Emissions – FCC 15.247(d); ISED Canada: RSS-247 5.5

7.4.1.1 Measurement Procedure

The RF output port of the EUT was directly connected to the input of the spectrum analyzer via suitable attenuation. The EUT was investigated at the lowest and highest channel available to determine band-edge compliance. For each measurement the spectrum analyzer's RBW was set to 100 kHz, and the VBW was set to 300 kHz.

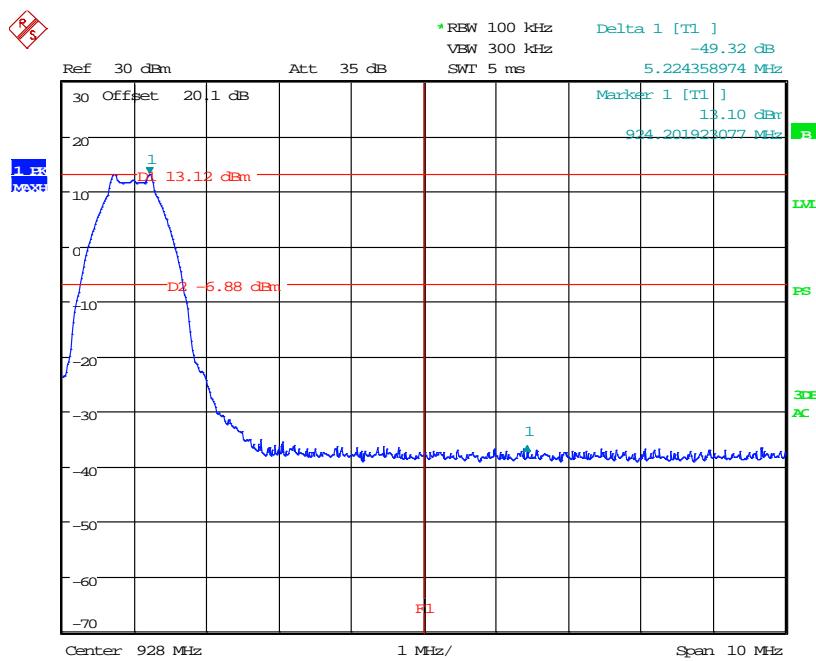
7.4.1.2 Measurement Results

Results are shown below.



Date: 21.JUN.2016 15:15:30

Figure 7.4.1.2-1: Lower Band-edge



Date: 21.JUN.2016 15:19:04

Figure 7.4.1.2-2: Upper Band-edge

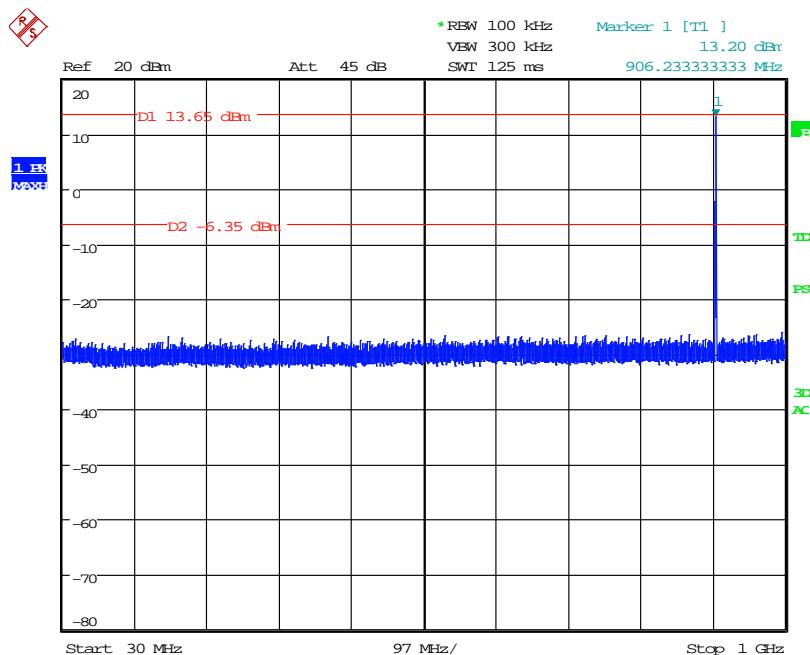
7.4.2 RF Conducted Spurious Emissions – FCC 15.247(d); ISED Canada: RSS-247 5.5

7.4.2.1 Measurement Procedure

The RF Conducted Spurious Emissions were measured in accordance with the FCC KDB 558074 D01 DTS Meas Guidance v03r05 Section 11.0 Emissions in non-restricted frequency bands. The RF output port of the equipment under test was directly connected to the input of the spectrum analyzer. The EUT was investigated for conducted spurious emissions from 30 MHz to 10 GHz, 10 times the highest fundamental frequency. Measurements were made at the low, center and high channels of the EUT. For each measurement, the spectrum analyzer's RBW was set to 100 kHz and the VBW was set to 300 kHz. The peak Max Hold function of the analyzer was utilized. The reference level was determined by measuring the Peak PSD level in any 100 kHz bandwidth within the DTS channel bandwidth.

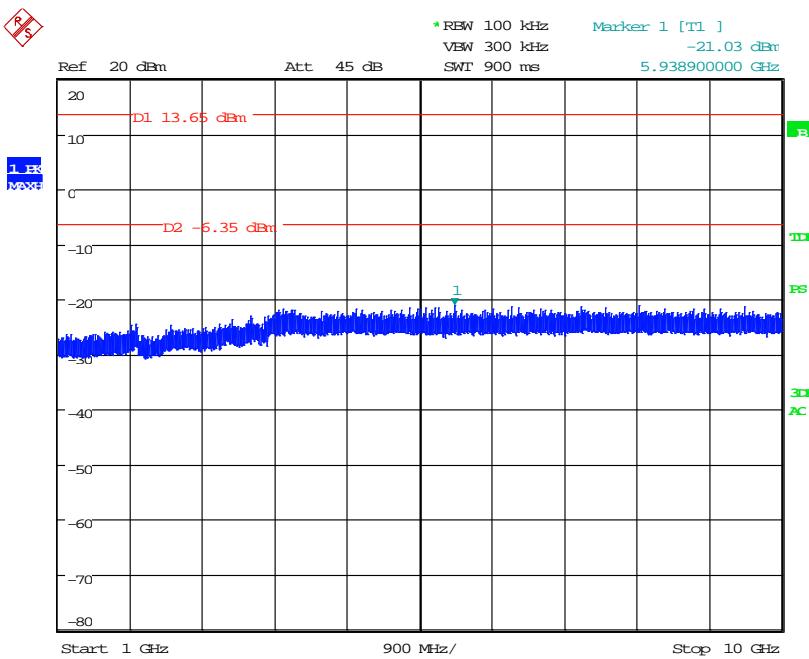
7.4.2.2 Measurement Results

Results are shown below.

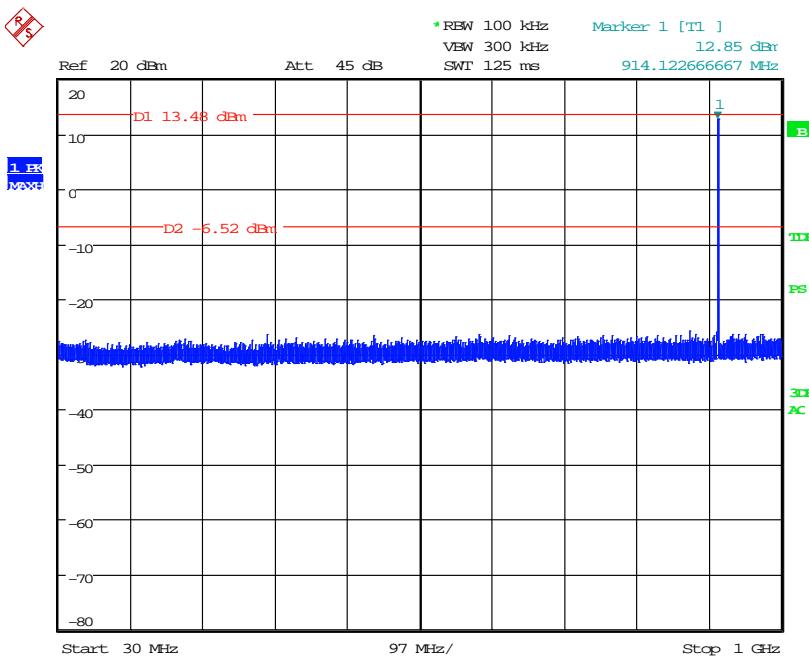


Date: 21.JUN.2016 16:16:17

Figure 7.4.2.2-1: 30 MHz – 1 GHz – Low Channel

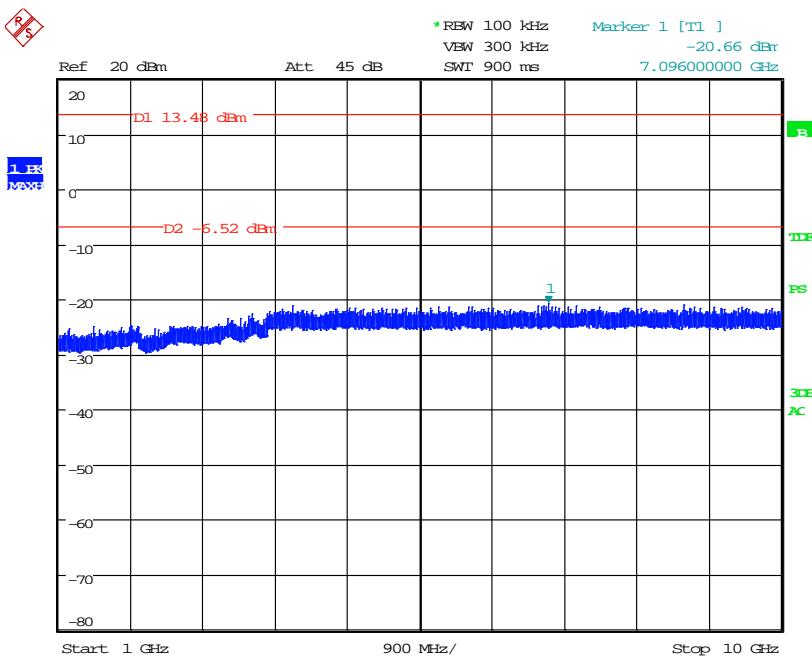


Date: 21.JUN.2016 16:18:54

Figure 7.4.2.2-2: 1 GHz –10 GHz – Low Channel

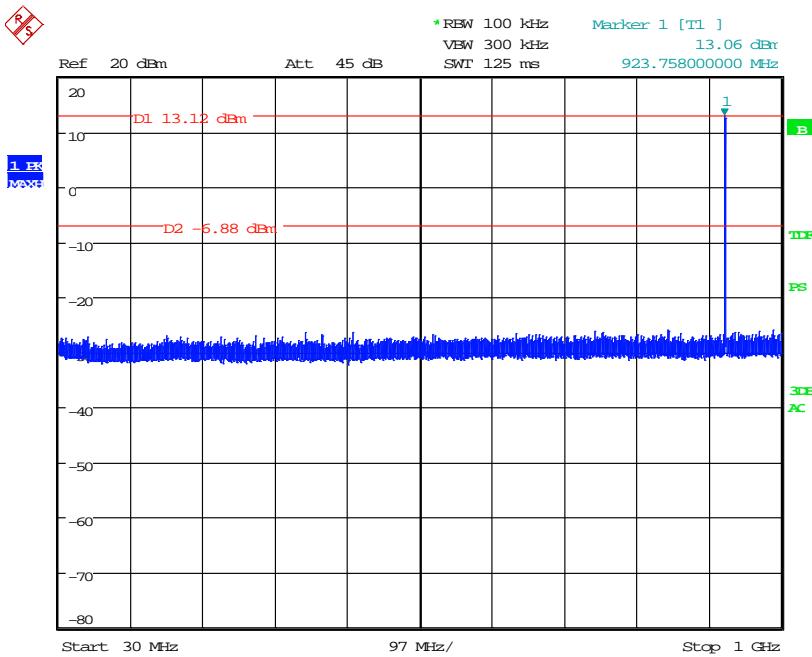
Date: 21.JUN.2016 16:12:31

Figure 7.4.2.2-3: 30 MHz – 1 GHz – Middle Channel



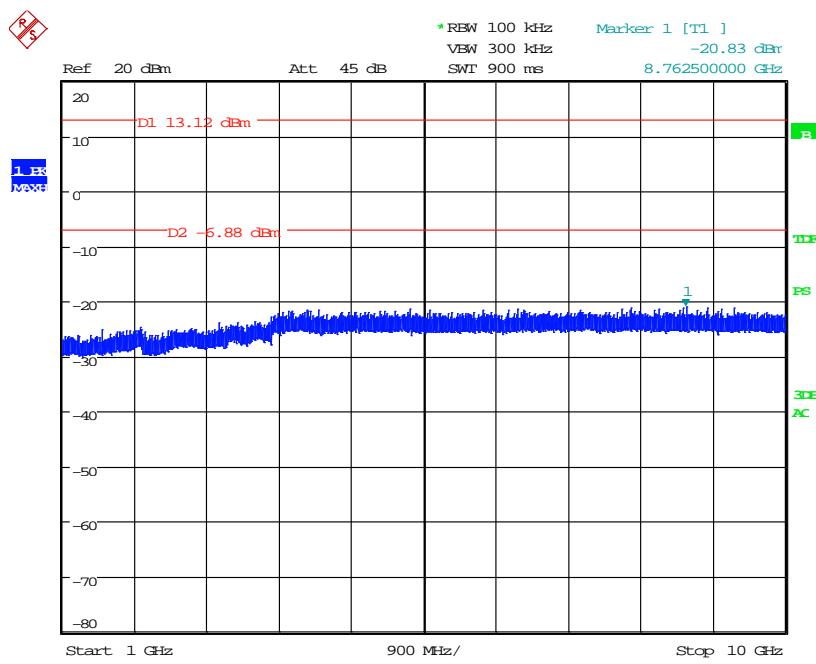
Date: 21.JUN.2016 16:07:10

Figure 7.4.2.2-4: 1 GHz –10 GHz – Middle Channel



Date: 21.JUN.2016 15:35:48

Figure 7.4.2.2-5: 30 MHz – 1 GHz – High Channel



Date: 21.JUN.2016 15:42:52

Figure 7.4.2.2-6: 1 GHz –10 GHz –High Channel

7.4.3 Radiated Spurious Emissions into Restricted Frequency Bands - FCC 15.205, 15.209; ISED Canada: RSS-Gen 8.9, 8.10**7.4.3.1 Measurement Procedure**

Radiated emissions tests were made over the frequency range of 9 kHz to 10 GHz, 10 times the highest fundamental frequency. 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.

For measurements below 30 MHz, the receive antenna height was set to 1m and the EUT was rotated through 360 degrees. The resolution bandwidth was set to 200 Hz below 150 kHz and to 9 kHz above 150 kHz.

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 1000 MHz, quasi-peak measurements were made using a resolution bandwidth RBW of 120 kHz and a video bandwidth VBW of 300 kHz. For frequencies above 1000 MHz, peak measurements are made with RBW of 1 MHz and VBW of 3 MHz. Average measurements are performed in the linear scale using VBW of 30 Hz.

7.4.3.2 Measurement Results

Radiated band-edge and spurious emissions found in the restricted frequency bands of 9 kHz to 10 GHz are reported in the tables below.

Table 7.4.3.2-1: Radiated Spurious Emissions Tabulated Data

Frequency (MHz)	Level (dB μ V)		Antenna Polarity (H/V)	Correction Factors (dB)	Corrected Level (dB μ V/m)		Limit (dB μ V/m)		Margin (dB)	
	pk	Qpk/Avg			pk	Qpk/Avg	pk	Qpk/Avg	pk	Qpk/Avg
Low Channel										
2717.94	50.53	39.88	H	-3.40	47.13	36.48	74.0	54.0	26.9	17.5
2717.94	49.18	36.41	V	-3.40	45.78	33.01	74.0	54.0	28.2	21.0
3623.92	48.23	39.51	H	1.20	49.43	40.71	74.0	54.0	24.6	13.3
3623.92	45.09	33.28	V	1.20	46.29	34.48	74.0	54.0	27.7	19.5
Middle Channel										
2743.08	51.05	40.35	H	-3.24	47.81	37.11	74.0	54.0	26.2	16.9
2743.08	48.38	36.61	V	-3.24	45.14	33.37	74.0	54.0	28.9	20.6
3657.44	46.05	36.35	H	1.32	47.37	37.67	74.0	54.0	26.6	16.3
3657.44	44.23	31.72	V	1.32	45.55	33.04	74.0	54.0	28.5	21.0
7314.88	45.66	33.05	H	8.51	54.17	41.56	74.0	54.0	19.8	12.4
7314.88	43.72	30.47	V	8.51	52.23	38.98	74.0	54.0	21.8	15.0
High Channel										
2771.94	50.66	40.51	H	-3.06	47.60	37.45	74.0	54.0	26.4	16.6
2771.94	47.67	35.78	V	-3.06	44.61	32.72	74.0	54.0	29.4	21.3
3695.92	45.14	34.17	H	1.46	46.60	35.63	74.0	54.0	27.4	18.4
3695.92	44.65	32.40	V	1.46	46.11	33.86	74.0	54.0	27.9	20.1
7391.84	46.09	32.90	H	8.83	54.92	41.73	74.0	54.0	19.1	12.3
7391.84	44.92	31.76	V	8.83	53.75	40.59	74.0	54.0	20.2	13.4

Note: All emissions above 7.39 GHz were attenuated below the limits and the noise floor of the measurement equipment.

7.4.3.3 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: $50.53 + (-3.4) = 47.13$ dB μ V/m

Margin: 74 dB μ V/m – 47.13 dB μ V/m = 26.9 dB

Example Calculation: Average

Corrected Level: $39.88 + (-3.4) = 36.48$ dB μ V/m

Margin: 54 dB μ V/m – 36.48 dB μ V/m = 17.5 dB

7.5 Power Spectral Density - FCC Section 15.247(e); ISED Canada: RSS-247 5.2(2)

7.5.1 PSD Measurement Procedure (Conducted Method)

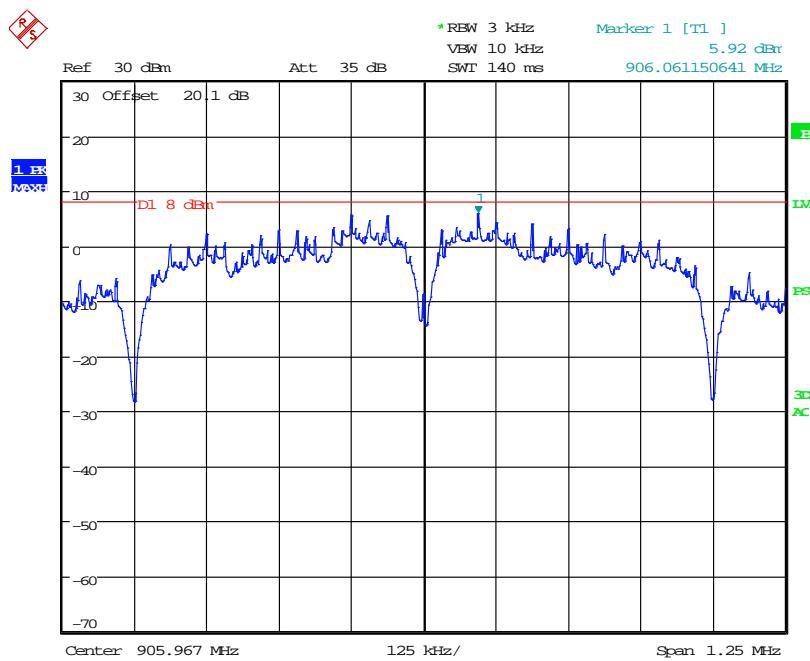
The power spectral density was measured in accordance with the FCC KDB 558074 D01 DTS Meas Guidance v03r05 Section 10.2 Method PKPSD (peak PSD). The RF output port of the EUT was directly connected to the input of the spectrum analyzer. Offset values were input for cable and external attenuation. The spectrum analyzer RBW was set to 3 kHz and VBW 10 kHz. Span was adjusted to 1.5 times the 6 dB bandwidth and the sweep time was set to auto.

7.5.2 Measurement Results

Results are shown below.

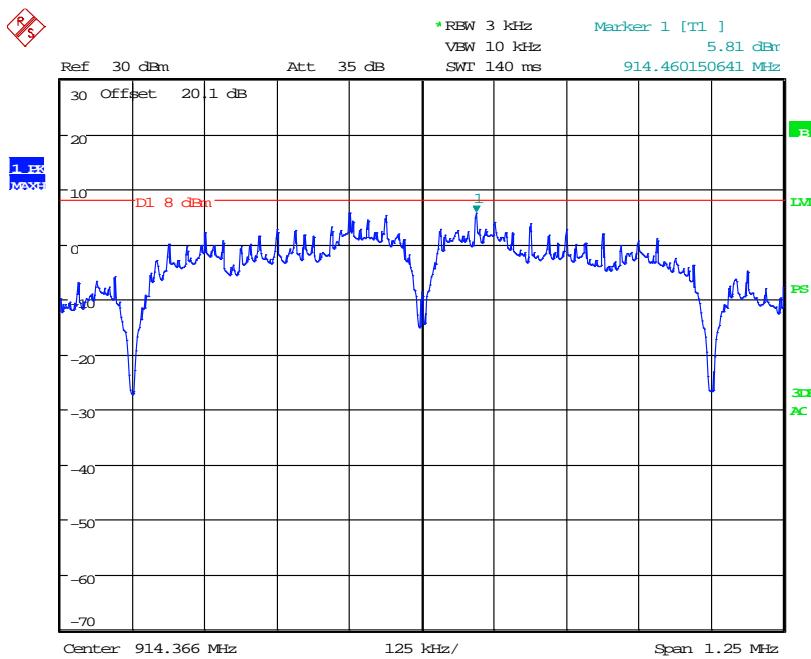
Table 7.5.2-1: Power Spectral Density

Frequency [MHz]	PSD [dBm]	Limit [dBm]	Margin [dB]
905.967	5.92	8.0	2.08
914.366	5.81	8.0	2.19
923.966	5.29	8.0	2.71

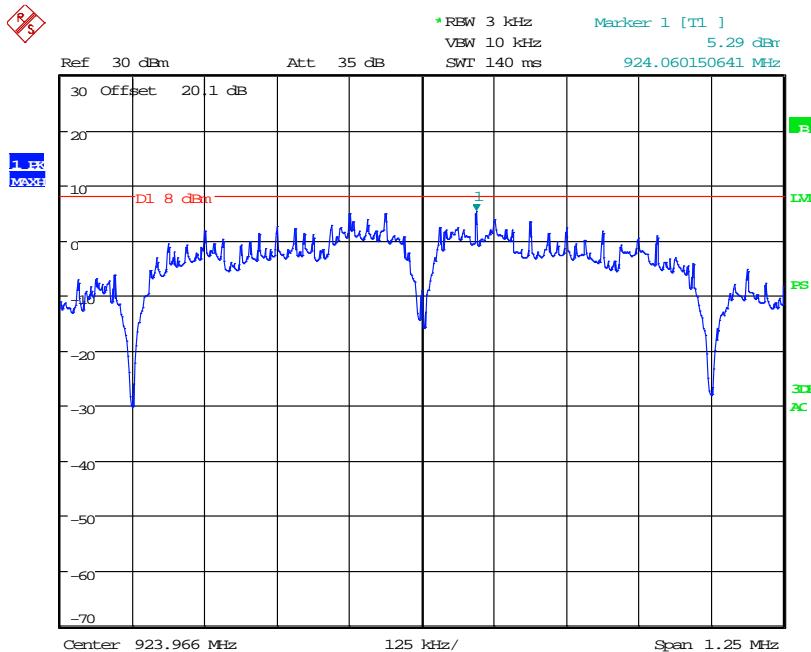


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Figure 7.5.2-1: Power Spectral Density - Low Channel



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Figure 7.5.2-2: Power Spectral Density - Middle Channel

Date: 21.JUN.2016 14:49:37

Figure 7.5.2-3: Power Spectral Density – High Channel

7.6 Power Line Conducted Emissions – FCC: Section 15.207; ISED Canada: RSS-Gen 8.8

7.6.1 Measurement Procedure

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

Corrected Reading = Analyzer Reading + LISN Loss + Cable Loss

Margin = Applicable Limit - Corrected Reading

7.6.2 Measurement Results

Results are shown below.

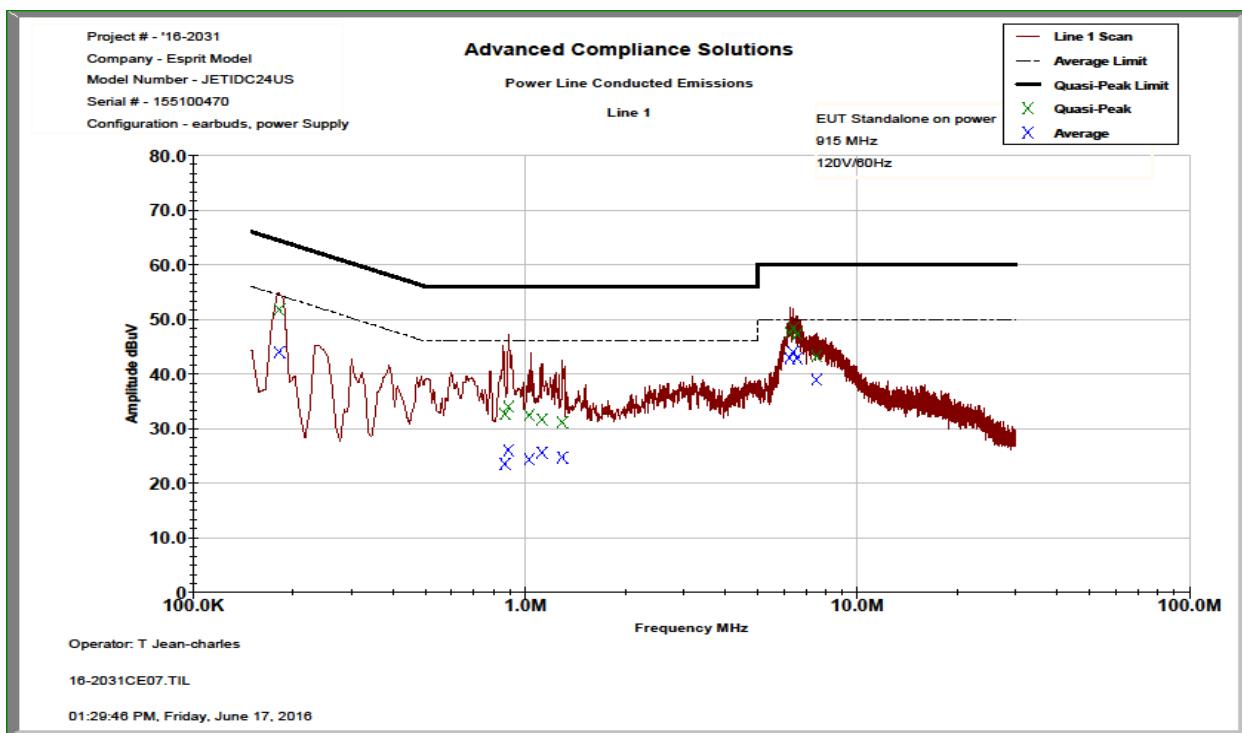


Figure 7.6.2-1: Conducted Emissions Results – Line 1

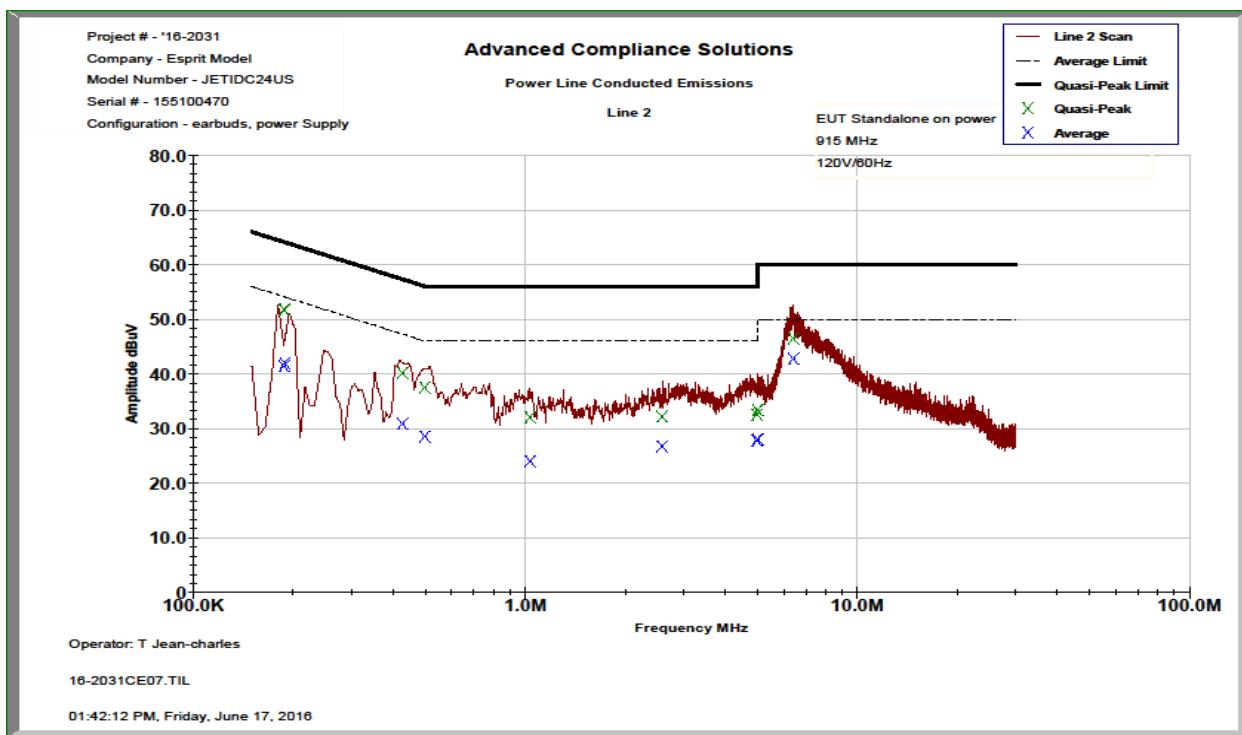


Figure 7.6.2-2: Conducted Emissions Results – Line 2

Table 7.6.2-1: Conducted EMI Results

<input checked="" type="checkbox"/> Line 1 <input checked="" type="checkbox"/> Line 2 <input type="checkbox"/> Line 3 <input type="checkbox"/> Line 4 <input type="checkbox"/> To Ground <input checked="" type="checkbox"/> Floating <input type="checkbox"/> Telecom Port _____ <input checked="" type="checkbox"/> dB μ V <input type="checkbox"/> dB μ A									
Plot Number: <u>16-2031CE07</u> Power Supply Description: <u>12 VDC Sunny Charger</u>									
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
Line 1									
0.1819	41.566	33.818	10.20	51.77	44.02	64.40	54.40	12.6	10.4
0.869838	22.501	13.368	10.19	32.69	23.56	56.00	46.00	23.3	22.4
0.891138	23.797	15.881	10.19	33.99	26.07	56.00	46.00	22.0	19.9
1.02914	22.304	14.174	10.20	32.51	24.38	56.00	46.00	23.5	21.6
1.12356	21.471	15.419	10.20	31.67	25.62	56.00	46.00	24.3	20.4
1.29241	20.887	14.524	10.20	31.09	24.73	56.00	46.00	24.9	21.3
6.26184	37.055	32.439	10.50	47.56	42.94	60.00	50.00	12.4	7.1
6.41694	37.903	33.483	10.51	48.41	43.99	60.00	50.00	11.6	6.0
6.60099	36.759	32.362	10.52	47.28	42.88	60.00	50.00	12.7	7.1
7.53516	32.687	28.334	10.57	43.26	38.91	60.00	50.00	16.7	11.1
Line 2									
0.187974	41.554	31.215	10.22	51.78	41.44	64.13	54.13	12.3	12.7
0.18915	41.526	31.802	10.22	51.75	42.03	64.07	54.07	12.3	12.0
0.4273	29.98	20.644	10.21	40.19	30.86	57.30	47.30	17.1	16.4
0.4984	27.323	18.358	10.21	37.53	28.57	56.03	46.03	18.5	17.5
1.03486	21.859	13.79	10.25	32.11	24.04	56.00	46.00	23.9	22.0
2.5864	21.816	16.395	10.32	32.13	26.71	56.00	46.00	23.9	19.3
4.99585	22.104	17.29	10.44	32.55	27.73	56.00	46.00	23.5	18.3
5.00986	22.874	17.579	10.51	33.38	28.09	60.00	50.00	26.6	21.9
5.01485	22.868	17.507	10.51	33.38	28.02	60.00	50.00	26.6	22.0
6.42911	35.954	32.193	10.57	46.52	42.76	60.00	50.00	13.5	7.2

8 CONCLUSION

In the opinion of ACS, Inc., the model JETIDC24US manufactured by Esprit Model meets the requirements of FCC Part 15 subpart C and Innovation, Science and Economic Development Canada's Radio Standards Specification RSS-247 for the test procedures documented in the test report.

END REPORT