

Spectrum Technology, Inc.

IX750 with IX-MC8775

June 06, 2008

Report No. SPTE0089 Rev 01

Report Prepared By



www.nwemc.com
1-888-EMI-CERT

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EMC Test Report

Certificate of Test
Issue Date: June 06, 2008
Spectrum Technology, Inc.
Model: IX750 with IX-MC8775

Emissions			
Test Description	Specification	Test Method	Pass/Fail
Radiated Emissions	FCC 15.109:2006 Class B	ANSI C63.4:2003	Pass
AC Powerline Conducted Emissions	FCC 15.107:2006 Class B	ANSI C63.4:2003	Pass

Modifications made to the product
See the Modifications section of this report

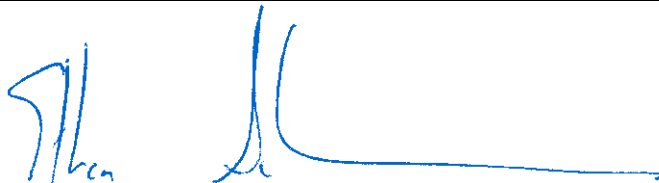
Test Facility

The measurement facility used to collect the data is located at:

Northwest EMC, Inc.
22975 NW Evergreen Parkway, Suite 400
Hillsboro, OR 97124
Phone: (503) 844-4066 Fax: 844-3826

This site has been fully described in a report filed with and accepted by the FCC (Federal Communications Commission) and Industry Canada (Site Filing #3496A).

Approved By:



Ethan Schoonover, Sultan Lab Manager



NVLAP Lab Code: 200630-0

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America.

Product compliance is the responsibility of the client, therefore the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. This Report may only be duplicated in its entirety. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test.

Revision Number	Description	Date	Page Number
01	Changed test description	7/14/2008	2 of 37
01	Changed testing objective	7/14/2008	7 of 37

FCC: Accredited by NVLAP for performance of FCC radio, digital, and ISM device testing. Our Open Area Test Sites, certification chambers, and conducted measurement facilities have been fully described in reports filed with the FCC and accepted by the FCC in letters maintained in our files. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by the FCC as a Telecommunications Certification Body (TCB). This allows Northwest EMC to certify transmitters to FCC specifications in accordance with 47 CFR 2.960 and 2.962.



NVLAP: Northwest EMC, Inc. is accredited under the United States Department of Commerce, National Institute of Standards and Technology, and National Voluntary Laboratory Accreditation Program for satisfactory compliance with the requirements of ISO/IEC 17025 for Testing Laboratories. The NVLAP accreditation encompasses Electromagnetic Compatibility Testing in accordance with the European Union EMC Directive 2004/108/EC, and ANSI C63.4. Additionally, Northwest EMC is accredited by NVLAP to perform radio testing in accordance with the European Union R&TTE Directive 1999/5/EEC, the requirements of FCC, and the RSS radio standards for Industry Canada.



NVLAP LAB CODE 200629-0
 NVLAP LAB CODE 200630-0
 NVLAP LAB CODE 200676-0
 NVLAP LAB CODE 200761-0

Industry Canada: Accredited by NVLAP for performance of Industry Canada RSS and ICES testing. Our Open Area Test Sites and certification chambers comply with RSS 212, Issue 1 (Provisional) and have been filed with Industry Canada and accepted. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by NIST and recognized by Industry Canada as a Certification Body (CB) per the APEC Mutual Recognition Arrangement (MRA). This allows Northwest EMC to certify transmitters to Industry Canada technical requirements.



CAB: Designated by NIST and validated by the European Commission as a Conformity Assessment Body (CAB) to conduct tests and approve products to the EMC directive and transmitters to the R&TTE directive, as described in the U.S. - EU Mutual Recognition Agreement.



TÜV Product Service: Included in TÜV Product Service Group's Listing of Recognized Laboratories. It qualifies in connection with the TÜV Certification after Recognition of Agent's Testing Program for the product categories and/or standards shown in TÜV's current Listing of CARAT Laboratories, available from TÜV. A certificate was issued to represent that this laboratory continues to meet TÜV's CARAT Program requirements. Certificate No. USA0604C.



TÜV Rheinland: Authorized to carryout EMC tests by order and under supervision of TÜV Rheinland. This authorization is based on "Conditions for EMC-Subcontractors" of November 1992.



NEMKO: Assessed and accredited by NEMKO (Norwegian testing and certification body) for European emissions and immunity testing. As a result of NEMKO's laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification (Authorization No. ELA 119).



Australia/New Zealand: The National Association of Testing Authorities (NATA), Australia has been appointed by the ACA as an accreditation body to accredit test laboratories and competent bodies for EMC standards. Accredited test reports or assessments by competent bodies must carry the NATA logo. Test reports made by an overseas laboratory that has been accredited for the relevant standards by an overseas accreditation body that has a Mutual Recognition Agreement (MRA) with NATA are also accepted as technical grounds for product conformity. The report should be endorsed with the respective logo of the accreditation body (NVLAP).



VCCI: Accepted as an Associate Member to the VCCI, Acceptance No. 564. Conducted and radiated measurement facilities have been registered in accordance with Regulations for Voluntary Control Measures, Article 8. (*Registration Numbers. - Hillsboro: C-1071, R-1025, C-2687, T-289, and R-2318, Irvine: R-1943, C-2766, and T-298, Sultan: R-871, C-1784, and T-294.*)



BSMI: Northwest EMC has been designated by NIST and validated by C-Taipei (BSMI) as a CAB to conduct tests as described in the APEC Mutual Recognition Agreement (US0017). License No.SL2-IN-E-1017.



GOST: Northwest EMC, Inc. has been assessed and accredited by the Russian Certification bodies Certinform VNIINMASH, CERTINFO, SAMTES, and Federal CHEC, to perform EMC and Hygienic testing for Information Technology Products. As a result of their laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification



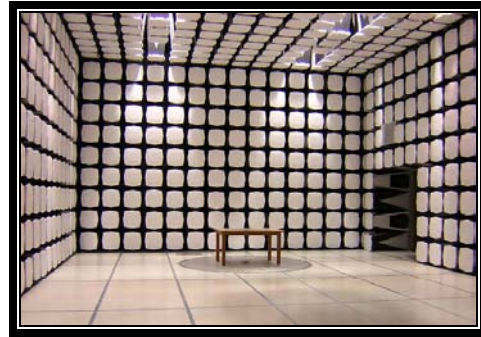
MIC: Northwest EMC, Inc is a CAB designated by MRA partners and recognized by Korea. (*Assigned Lab Numbers: Hillsboro: US0017, Irvine: US0158, Sultan: US0157*)



SCOPE

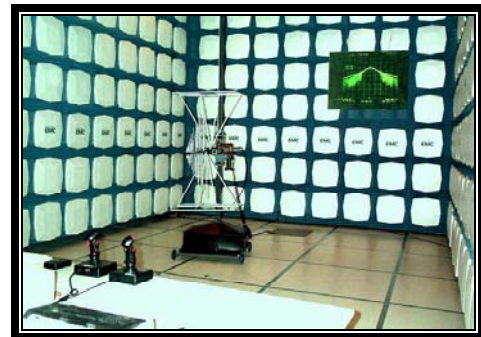
For details on the Scopes of our Accreditations, please visit:

<http://www.nwemc.com/accreditations/>



**California – Orange County Facility
Labs OC01 – OC13**

41 Tesla Ave. Irvine, CA 92618
(888) 364-2378 Fax: (503) 844-3826



**Oregon – Evergreen Facility
Labs EV01 – EV11**

22975 NW Evergreen Pkwy. Suite 400 Hillsboro, OR 97124
(503) 844-4066 Fax: (503) 844-3826



**Washington – Sultan Facility
Labs SU01 – SU07**

14128 339th Ave. SE Sultan, WA 98294
(888) 364-2378

Party Requesting the Test

Company Name:	Spectrum Technology, Inc.
Address:	209 Dayton Street Suite #205
City, State, Zip:	Edmonds, WA 98020
Test Requested By:	Rod Munro
Model:	IX750 with IX-MC8775
First Date of Test:	May 27, 2008
Last Date of Test:	May 28, 2008
Receipt Date of Samples:	May 19, 2008
Equipment Design Stage:	Production
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test**Functional Description of the EUT (Equipment Under Test):**

Sierra Wireless MC8775 card in the IX750 handheld PC.

Testing Objective:

Seeking to demonstrate compliance of the receiver to FCC Part 15.

CONFIGURATION 1 SPTE0089**Software/Firmware Running during test**

Description	Version
3G Watcher	R1.5.8.1115
Windows XP Professional	Version 2002 SP2

EUT

Description	Manufacturer	Model/Part Number	Serial Number
WAN radio	General Dynamics Itronix Corporation	IX-MC8775	IMEA 352678013763781

Peripherals in test setup boundary

Description	Manufacturer	Model/Part Number	Serial Number
Host Computer	General Dynamics Itronix Corporation	IX750	Unit 1
AC Adapter	Delta Electronics, Inc.	ADP-48HB B	LZW0787000957
USB Mouse	Dell	OYH933	FDE00FEE
USB Keyboard	Logitech	Y-UT76	967738-0403

Cables

Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC	No	1.8 m	No	AC Adapter	AC Mains
DC	No	1.3 m	Yes	Host Computer	AC Adapter
USB	Yes	1.3 m	No	Host Computer	Mouse
USB	No	1.8m	No	Host Computer	Keyboard
Serial	Yes	1.0 m	No	Host Computer	Unterminated

PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.

Equipment modifications					
Item	Date	Test	Modification	Note	Disposition of EUT
1	5/27/2008	Field Strength of Spurious Emissions from Unintentional Radiator	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
2	5/28/2008	AC Powerline Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Receive mode, Cellular Band, GSM
 Receive mode, Cellular Band, WCDMA

POWER SETTINGS INVESTIGATED

120VAC/60Hz

FREQUENCY RANGE INVESTIGATED

Start Frequency	1000 MHz	Stop Frequency	5000 MHz
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SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
EV12 Cables		Double Ridge Horn Cables	EVT	5/14/2008	13
Pre-Amplifier	Miteq	AMF-3D00100800-32-13P	AVF	4/4/2007	16
Antenna, Horn	ETS	3115	AIB	11/14/2007	12
Spectrum Analyzer	Agilent	E4446A	AAV	12/18/2007	12

MEASUREMENT BANDWIDTHS

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

Measurements were made using the bandwidths and detectors specified. No video filter was used.

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, a final radiated emissions test was performed. The frequency range investigated (scanned), is also noted in this report. Radiated emissions measurements were made at the EUT azimuth and antenna height such that the maximum radiated emissions level will be detected. This requires the use of a turntable and an antenna positioner. The preferred method of a continuous azimuth search is utilized for frequency scans of the EUT field strength with both polarities of the measuring antenna. A calibrated, linearly polarized antenna was positioned at the specified distance from the periphery of the EUT.

Tests were made with the antenna positioned in both the horizontal and vertical planes of polarization. The antenna was varied in height above the conducting ground plane to obtain the maximum signal strength. Though specified in the report, the measurement distance shall be 3 meters or 10 meters. At any measurement distance, the antenna height was varied from 1 meter to 4 meters. These height scans apply for both horizontal and vertical polarization, except that for vertical polarization the minimum height of the center of the antenna shall be increased so that the lowest point of the bottom of the antenna clears the ground surface by at least 25 cm.

EUT: IX750 with IX-MC8775	Work Order: SPTE0089
Serial Number: None	Date: 05/27/08
Customer: Spectrum Technology, Inc.	Temperature: 23
Attendees: Rod Munro	Humidity: 30%
Project: None	Barometric Pres.: 1016.8
Tested by: David Divergigelis	Power: 120VAC/60Hz
	Job Site: EV12

TEST SPECIFICATIONS		Test Method	
FCC 15.109:2007 Class B		ANSI C63.4:2003	

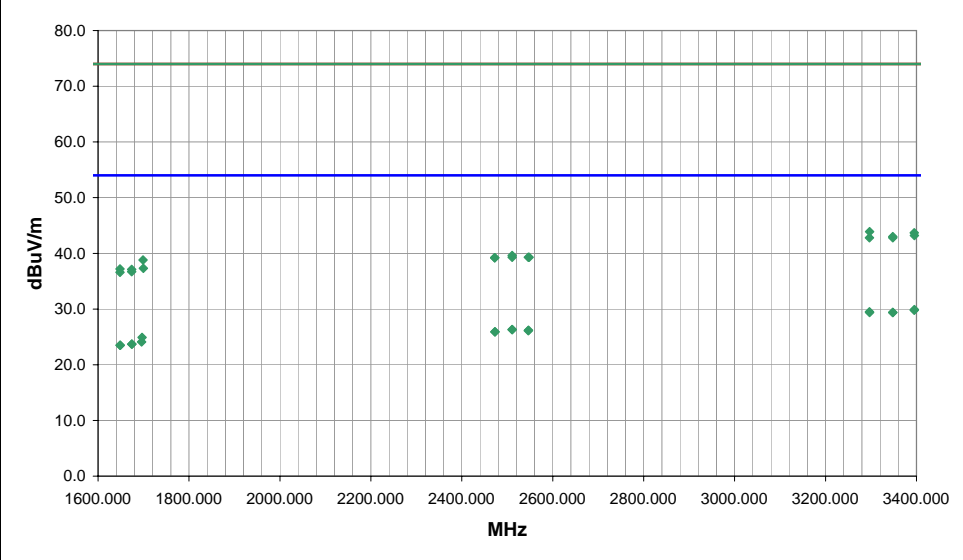
TEST PARAMETERS			
Antenna Height(s) (m)	1 - 4	Test Distance (m)	3

COMMENTS
None

EUT OPERATING MODES
Receive mode, Cellular Band, GSM

DEVIATIONS FROM TEST STANDARD
No deviations.

Run #	1	Signature <i>D. Divergigelis</i>
Configuration #	1	
Results	Pass	



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
3395.518	25.6	4.3	245.0	1.0	3.0	0.0	V-Horn	AV	0.0	29.9	54.0	-24.1	High Channel, EUT screen vertical
3395.167	25.5	4.3	271.0	1.0	3.0	0.0	H-Horn	AV	0.0	29.8	54.0	-24.2	High Channel, EUT screen horizontal
3296.703	25.5	4.0	128.0	1.1	3.0	0.0	V-Horn	AV	0.0	29.5	54.0	-24.5	Low Channel, EUT screen vertical
3296.831	25.4	4.0	271.0	1.0	3.0	0.0	H-Horn	AV	0.0	29.4	54.0	-24.6	Low Channel, EUT screen horizontal
3347.909	25.3	4.1	51.0	1.0	3.0	0.0	H-Horn	AV	0.0	29.4	54.0	-24.6	Mid Channel, EUT screen horizontal
3347.972	25.3	4.1	58.0	1.8	3.0	0.0	V-Horn	AV	0.0	29.4	54.0	-24.6	Mid Channel, EUT screen vertical
2510.602	26.4	-0.1	315.0	3.2	3.0	0.0	V-Horn	AV	0.0	26.3	54.0	-27.7	Mid Channel, EUT screen vertical
2510.649	26.4	-0.1	204.0	1.2	3.0	0.0	H-Horn	AV	0.0	26.3	54.0	-27.7	Mid Channel, EUT screen horizontal
2546.587	26.0	0.2	255.0	1.0	3.0	0.0	H-Horn	AV	0.0	26.2	54.0	-27.8	High Channel, EUT screen horizontal
2546.438	25.9	0.2	72.0	2.1	3.0	0.0	V-Horn	AV	0.0	26.1	54.0	-27.9	High Channel, EUT screen vertical
2472.676	26.0	-0.1	0.0	1.0	3.0	0.0	H-Horn	AV	0.0	25.9	54.0	-28.1	Low Channel, EUT screen horizontal
2473.035	26.0	-0.1	347.0	1.0	3.0	0.0	V-Horn	AV	0.0	25.9	54.0	-28.1	Low Channel, EUT screen vertical
1696.787	28.7	-3.8	142.0	2.0	3.0	0.0	V-Horn	AV	0.0	24.9	54.0	-29.1	High Channel, EUT screen vertical
1695.840	27.9	-3.8	47.0	1.0	3.0	0.0	H-Horn	AV	0.0	24.1	54.0	-29.9	High Channel, EUT screen horizontal
3296.913	39.9	4.0	271.0	1.0	3.0	0.0	H-Horn	PK	0.0	43.9	74.0	-30.1	Low Channel, EUT screen horizontal
1674.398	27.7	-4.0	256.0	2.7	3.0	0.0	H-Horn	AV	0.0	23.7	54.0	-30.3	Mid Channel, EUT screen horizontal
1674.410	27.7	-4.0	357.0	1.0	3.0	0.0	V-Horn	AV	0.0	23.7	54.0	-30.3	Mid Channel, EUT screen vertical
3395.053	39.4	4.3	245.0	1.0	3.0	0.0	V-Horn	PK	0.0	43.7	74.0	-30.3	High Channel, EUT screen vertical
1648.657	27.7	-4.2	208.0	1.0	3.0	0.0	V-Horn	AV	0.0	23.5	54.0	-30.5	Low Channel, EUT screen vertical
1648.703	27.7	-4.2	83.0	1.0	3.0	0.0	H-Horn	AV	0.0	23.5	54.0	-30.5	Low Channel, EUT screen horizontal

EUT: IX750 with IX-MC8775	Work Order: SPTE0089
Serial Number: None	Date: 05/27/08
Customer: Spectrum Technology, Inc.	Temperature: 23
Attendees: Rod Munro	Humidity: 30%
Project: None	Barometric Pres.: 1016.8
Tested by: David Divergigelis	Power: 120VAC/60Hz
	Job Site: EV12

TEST SPECIFICATIONS		Test Method
FCC 15.109:2007 Class B		ANSI C63.4:2003

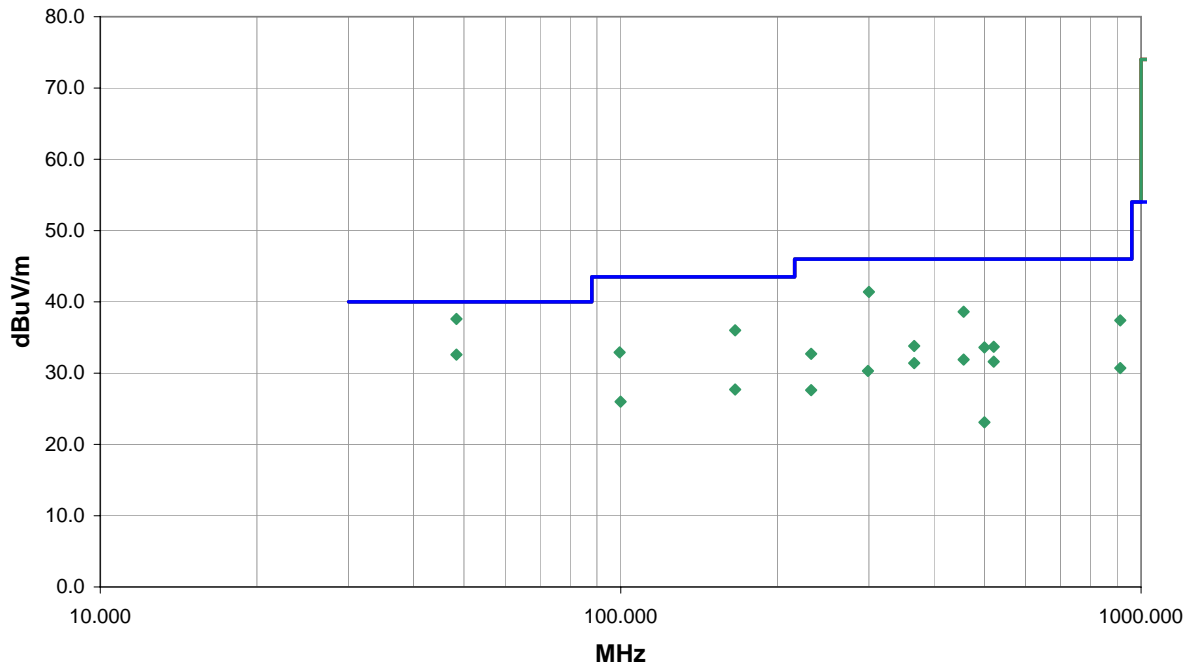
TEST PARAMETERS		
Antenna Height(s) (m)	1 - 4	Test Distance (m)
		3

COMMENTS
None

EUT OPERATING MODES
Receive mode, Cellular Band, GSM, Mid channel

DEVIATIONS FROM TEST STANDARD
No deviations.

Run #	2	Signature <i>David Divergigelis</i>
Configuration #	1	
Results	Pass	



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)
48.343	41.8	-4.2	241.0	1.0	3.0	0.0	V-Bilog	QP	0.0	37.6	40.0	-2.4
299.887	41.2	0.2	221.0	1.0	3.0	0.0	H-Bilog	QP	0.0	41.4	46.0	-4.6
455.996	33.7	4.9	181.0	1.0	3.0	0.0	V-Bilog	QP	0.0	38.6	46.0	-7.4
48.344	36.8	-4.2	159.0	3.3	3.0	0.0	H-Bilog	QP	0.0	32.6	40.0	-7.4
165.913	41.0	-5.0	25.0	1.0	3.0	0.0	H-Bilog	QP	0.0	36.0	43.5	-7.5
911.982	25.1	12.3	171.0	1.0	3.0	0.0	V-Bilog	QP	0.0	37.4	46.0	-8.6
99.559	38.8	-5.9	360.0	1.9	3.0	0.0	H-Bilog	QP	0.0	32.9	43.5	-10.6
366.542	31.1	2.7	241.0	1.3	3.0	0.0	V-Bilog	QP	0.0	33.8	46.0	-12.2
521.141	27.2	6.5	168.0	1.0	3.0	0.0	V-Bilog	QP	0.0	33.7	46.0	-12.3
499.859	28.0	5.6	132.0	1.0	3.0	0.0	V-Bilog	QP	0.0	33.6	46.0	-12.4
232.262	34.5	-1.8	316.0	1.0	3.0	0.0	H-Bilog	QP	0.0	32.7	46.0	-13.3
455.995	27.0	4.9	312.0	1.0	3.0	0.0	H-Bilog	QP	0.0	31.9	46.0	-14.1
521.127	25.1	6.5	267.0	1.0	3.0	0.0	H-Bilog	QP	0.0	31.6	46.0	-14.4
366.545	28.7	2.7	192.0	1.0	3.0	0.0	H-Bilog	QP	0.0	31.4	46.0	-14.6
911.981	18.4	12.3	73.0	1.0	3.0	0.0	H-Bilog	QP	0.0	30.7	46.0	-15.3
298.605	30.1	0.2	298.0	1.0	3.0	0.0	V-Bilog	QP	0.0	30.3	46.0	-15.7
165.914	32.7	-5.0	359.0	1.9	3.0	0.0	V-Bilog	QP	0.0	27.7	43.5	-15.8
99.940	31.8	-5.8	47.0	2.4	3.0	0.0	V-Bilog	QP	0.0	26.0	43.5	-17.5
232.262	29.4	-1.8	0.0	1.3	3.0	0.0	V-Bilog	QP	0.0	27.6	46.0	-18.4
499.867	17.5	5.6	321.0	1.3	3.0	0.0	H-Bilog	QP	0.0	23.1	46.0	-22.9

EUT: IX750 with IX-MC8775	Work Order: SPTE0089
Serial Number: None	Date: 05/28/08
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Attendees: Rod Munro	Humidity: 30%
Project: None	Barometric Pres.: 1016.8
Tested by: David Divergigelis	Power: 120VAC/60Hz
	Job Site: EV12

TEST SPECIFICATIONS		Test Method
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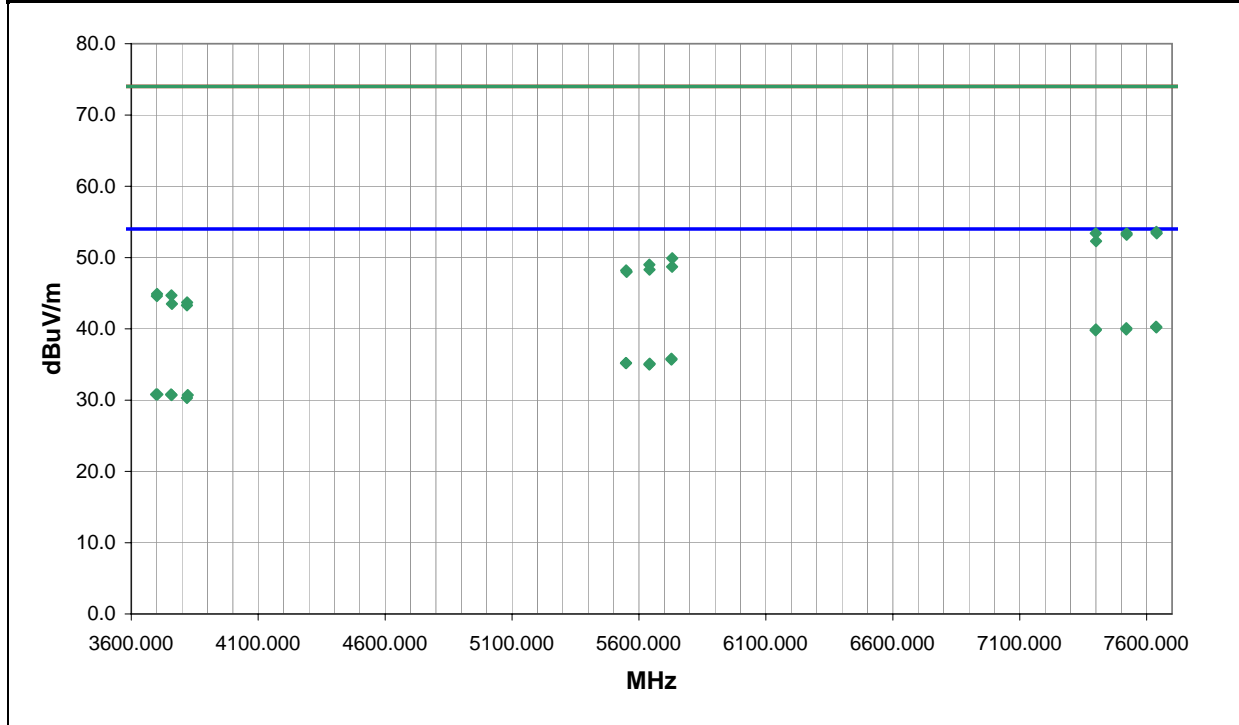
TEST PARAMETERS		
Antenna Height(s) (m)	1 - 4	Test Distance (m)
		3

COMMENTS
None

EUT OPERATING MODES
Receive mode, PCS Band, GSM

DEVIATIONS FROM TEST STANDARD
No deviations.

Run #	3	Signature <i>David Divergigelis</i>
Configuration #	1	
Results	Pass	



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)
7636.695	23.9	16.4	142.0	1.4	3.0	0.0	H-Horn	AV	0.0	40.3	54.0	-13.7
7638.200	23.8	16.4	4.0	1.0	3.0	0.0	V-Horn	AV	0.0	40.2	54.0	-13.8
7519.915	23.5	16.6	313.0	1.0	3.0	0.0	V-Horn	AV	0.0	40.1	54.0	-13.9
7400.105	23.5	16.4	33.0	1.0	3.0	0.0	H-Horn	AV	0.0	39.9	54.0	-14.1
7519.625	23.3	16.6	79.0	1.0	3.0	0.0	H-Horn	AV	0.0	39.9	54.0	-14.1
7398.725	23.4	16.4	292.0	3.1	3.0	0.0	V-Horn	AV	0.0	39.8	54.0	-14.2
5727.890	24.4	11.4	142.0	1.0	3.0	0.0	V-Horn	AV	0.0	35.8	54.0	-18.2
5727.795	24.3	11.4	231.0	1.0	3.0	0.0	H-Horn	AV	0.0	35.7	54.0	-18.3
5548.855	24.4	10.8	69.0	3.4	3.0	0.0	H-Horn	AV	0.0	35.2	54.0	-18.8
5548.985	24.4	10.8	319.0	1.0	3.0	0.0	V-Horn	AV	0.0	35.2	54.0	-18.8
5642.115	24.0	11.1	170.0	1.0	3.0	0.0	V-Horn	AV	0.0	35.1	54.0	-18.9
5640.825	23.9	11.1	34.0	1.0	3.0	0.0	H-Horn	AV	0.0	35.0	54.0	-19.0
7638.290	37.2	16.4	4.0	1.0	3.0	0.0	V-Horn	PK	0.0	53.6	74.0	-20.4
7399.420	37.0	16.4	292.0	3.1	3.0	0.0	V-Horn	PK	0.0	53.4	74.0	-20.6
7521.200	36.8	16.6	313.0	1.0	3.0	0.0	V-Horn	PK	0.0	53.4	74.0	-20.6
7639.620	37.0	16.4	142.0	1.4	3.0	0.0	H-Horn	PK	0.0	53.4	74.0	-20.6
7521.130	36.6	16.6	79.0	1.0	3.0	0.0	H-Horn	PK	0.0	53.2	74.0	-20.8
7400.900	35.9	16.4	33.0	1.0	3.0	0.0	H-Horn	PK	0.0	52.3	74.0	-21.7
3697.915	25.7	5.1	136.0	1.0	3.0	0.0	V-Horn	AV	0.0	30.8	54.0	-23.2
3702.765	25.7	5.1	177.0	1.0	3.0	0.0	H-Horn	AV	0.0	30.8	54.0	-23.2
3757.230	25.4	5.4	47.0	1.0	3.0	0.0	H-Horn	AV	0.0	30.8	54.0	-23.2

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)
3822.590	25.2	5.5	10.0	1.0	3.0	0.0	H-Horn	AV	0.0	30.7	54.0	-23.3
3758.635	25.3	5.4	112.0	3.1	3.0	0.0	V-Horn	AV	0.0	30.7	54.0	-23.3
3819.510	24.8	5.5	39.0	3.7	3.0	0.0	V-Horn	AV	0.0	30.3	54.0	-23.7
5730.790	38.5	11.4	231.0	1.0	3.0	0.0	H-Horn	PK	0.0	49.9	74.0	-24.1
5640.760	37.9	11.1	170.0	1.0	3.0	0.0	V-Horn	PK	0.0	49.0	74.0	-25.0
5730.470	37.3	11.4	142.0	1.0	3.0	0.0	V-Horn	PK	0.0	48.7	74.0	-25.3
5641.200	37.2	11.1	34.0	1.0	3.0	0.0	H-Horn	PK	0.0	48.3	74.0	-25.7
5549.390	37.4	10.8	69.0	3.4	3.0	0.0	H-Horn	PK	0.0	48.2	74.0	-25.8
5551.120	37.2	10.8	319.0	1.0	3.0	0.0	V-Horn	PK	0.0	48.0	74.0	-26.0
3701.550	39.8	5.1	177.0	1.0	3.0	0.0	H-Horn	PK	0.0	44.9	74.0	-29.1
3758.500	39.3	5.4	47.0	1.0	3.0	0.0	H-Horn	PK	0.0	44.7	74.0	-29.3
3700.950	39.5	5.1	136.0	1.0	3.0	0.0	V-Horn	PK	0.0	44.6	74.0	-29.4
3819.725	38.2	5.5	39.0	3.7	3.0	0.0	V-Horn	PK	0.0	43.7	74.0	-30.3
3760.290	38.1	5.4	112.0	3.1	3.0	0.0	V-Horn	PK	0.0	43.5	74.0	-30.5
3819.235	37.8	5.5	10.0	1.0	3.0	0.0	H-Horn	PK	0.0	43.3	74.0	-30.7

EUT: IX750 with IX-MC8775	Work Order: SPTE0089
Serial Number: None	Date: 05/28/08
Customer: Spectrum Technology, Inc.	Temperature: 23
Attendees: Rod Munro	Humidity: 30%
Project: None	Barometric Pres.: 1016.8
Tested by: Holly Ashkannehjad	Power: 120VAC/60Hz
	Job Site: EV12

TEST SPECIFICATIONS	Test Method
FCC 15.109:2007 Class B	ANSI C63.4:2003

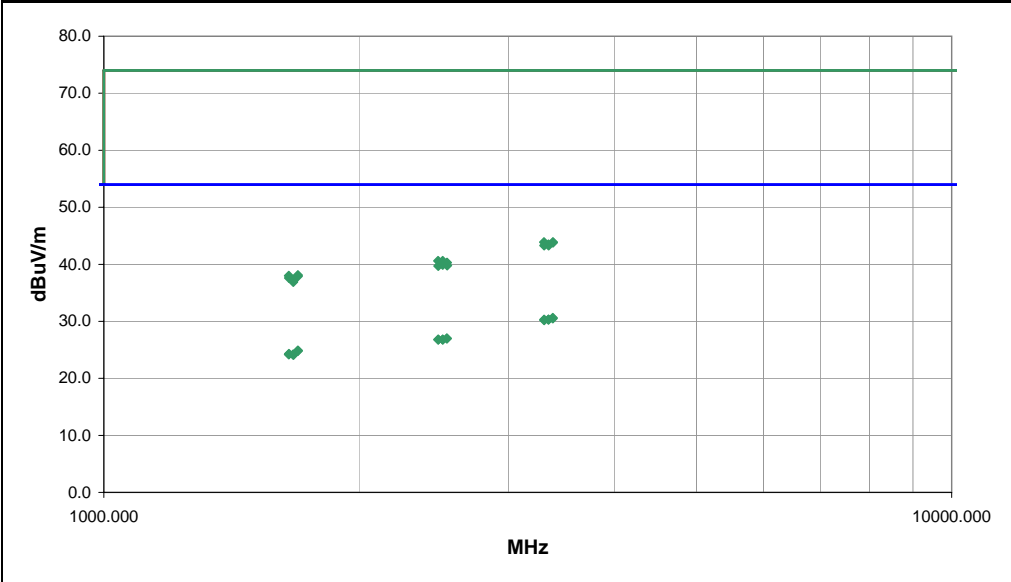
TEST PARAMETERS	
Antenna Height(s) (m) 1 - 4	Test Distance (m) 3

COMMENTS
None

EUT OPERATING MODES
Receive mode, Cellular Band, WCDMA

DEVIATIONS FROM TEST STANDARD
No deviations.

Run #	4	Signature <i>Holly Ashkannehjad</i>
Configuration #	1	
Results	Pass	



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
3385.340	26.3	4.3	129.0	2.5	3.0	0.0	H-Horn	AV	0.0	30.6	54.0	-23.4	High Channel, Screen vertical
3384.913	26.3	4.2	102.0	1.0	3.0	0.0	V-Horn	AV	0.0	30.5	54.0	-23.5	High Channel, Screen vertical
3344.727	26.2	4.1	323.0	1.0	3.0	0.0	H-Horn	AV	0.0	30.3	54.0	-23.7	Mid Channel, Screen vertical
3345.480	26.2	4.1	174.0	1.0	3.0	0.0	V-Horn	AV	0.0	30.3	54.0	-23.7	Mid Channel, Screen vertical
3306.170	26.3	4.0	120.0	3.6	3.0	0.0	H-Horn	AV	0.0	30.3	54.0	-23.7	Low Channel, Screen vertical
3306.737	26.2	4.0	0.0	2.3	3.0	0.0	V-Horn	AV	0.0	30.2	54.0	-23.8	Low Channel, Screen vertical
2538.557	26.8	0.2	133.0	1.0	3.0	0.0	H-Horn	AV	0.0	27.0	54.0	-27.0	High Channel, Screen vertical
2539.033	26.8	0.2	130.0	1.0	3.0	0.0	V-Horn	AV	0.0	27.0	54.0	-27.0	High Channel, Screen vertical
2479.720	26.9	-0.1	106.0	1.0	3.0	0.0	H-Horn	AV	0.0	26.8	54.0	-27.2	Low Channel, Screen vertical
2479.913	26.9	-0.1	279.0	1.0	3.0	0.0	V-Horn	AV	0.0	26.8	54.0	-27.2	Low Channel, Screen vertical
2509.940	26.9	-0.1	67.0	1.0	3.0	0.0	V-Horn	AV	0.0	26.8	54.0	-27.2	Mid Channel, Screen vertical
2510.233	26.9	-0.1	50.0	1.0	3.0	0.0	H-Horn	AV	0.0	26.8	54.0	-27.2	Mid Channel, Screen vertical
1693.717	28.7	-3.8	44.0	1.8	3.0	0.0	V-Horn	AV	0.0	24.9	54.0	-29.1	High Channel, Screen vertical
1693.687	28.6	-3.8	113.0	1.4	3.0	0.0	H-Horn	AV	0.0	24.8	54.0	-29.2	High Channel, Screen vertical
1653.093	28.4	-4.1	192.0	1.0	3.0	0.0	V-Horn	AV	0.0	24.3	54.0	-29.7	Low Channel, Screen vertical
1672.103	28.2	-4.0	261.0	1.6	3.0	0.0	V-Horn	AV	0.0	24.2	54.0	-29.8	Mid Channel, Screen vertical
1652.867	28.3	-4.1	11.0	1.0	3.0	0.0	H-Horn	AV	0.0	24.2	54.0	-29.8	Low Channel, Screen vertical
1673.323	28.1	-4.0	132.0	1.0	3.0	0.0	H-Horn	AV	0.0	24.1	54.0	-29.9	Mid Channel, Screen vertical
3305.310	39.9	4.0	0.0	2.3	3.0	0.0	V-Horn	PK	0.0	43.9	74.0	-30.1	Low Channel, Screen vertical
3386.183	39.6	4.3	102.0	1.0	3.0	0.0	V-Horn	PK	0.0	43.9	74.0	-30.1	High Channel, Screen vertical

NORTHWEST **EMC RADIATED EMISSIONS DATA SHEET** PSA 2007.05.07
EMI 2008.1.9

EUT: IX750 with IX-MC8775	Work Order: SPTE0089
Serial Number: None	Date: 05/28/08
Customer: Spectrum Technology, Inc.	Temperature: 23
Attendees: Rod Munro	Humidity: 30%
Project: None	Barometric Pres.: 1016.8
Tested by: Holly Ashkannejhad	Power: 120VAC/60Hz
	Job Site: EV12

TEST SPECIFICATIONS		Test Method	
FCC 15.109:2007 Class B		ANSI C63.4:2003	

TEST PARAMETERS			
Antenna Height(s) (m)	1 - 4	Test Distance (m)	3

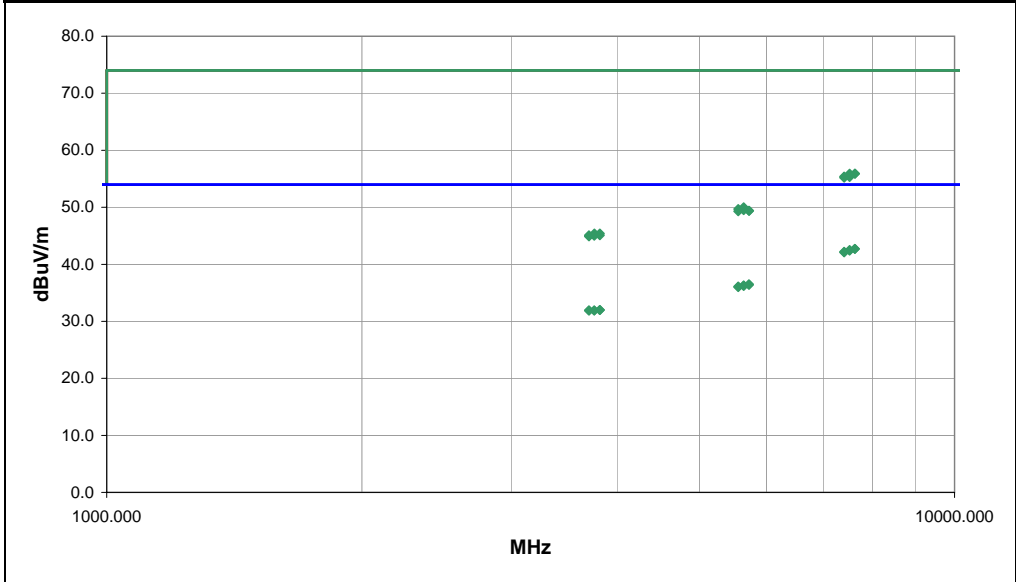
COMMENTS
None

EUT OPERATING MODES
Receive mode, PCS Band, WCDMA

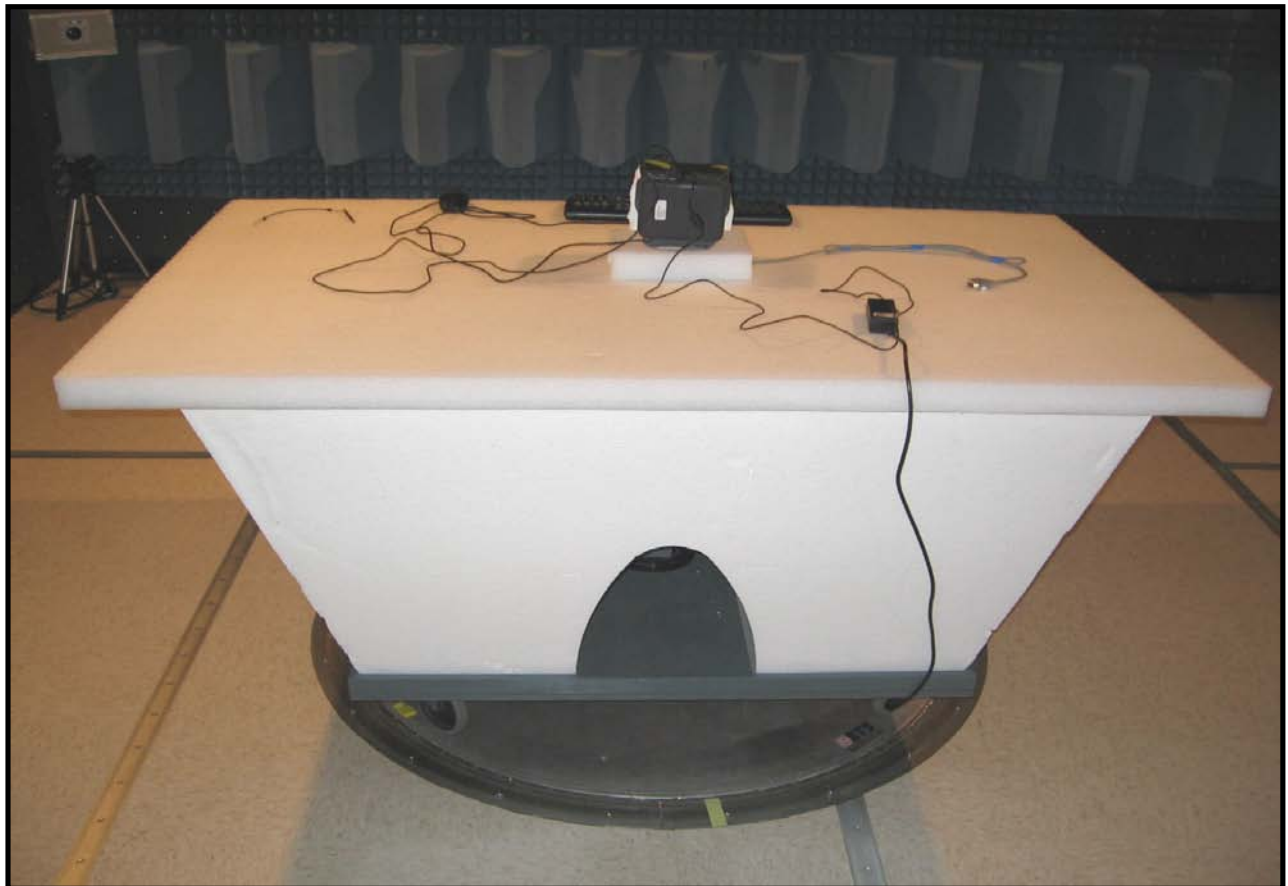
DEVIATIONS FROM TEST STANDARD

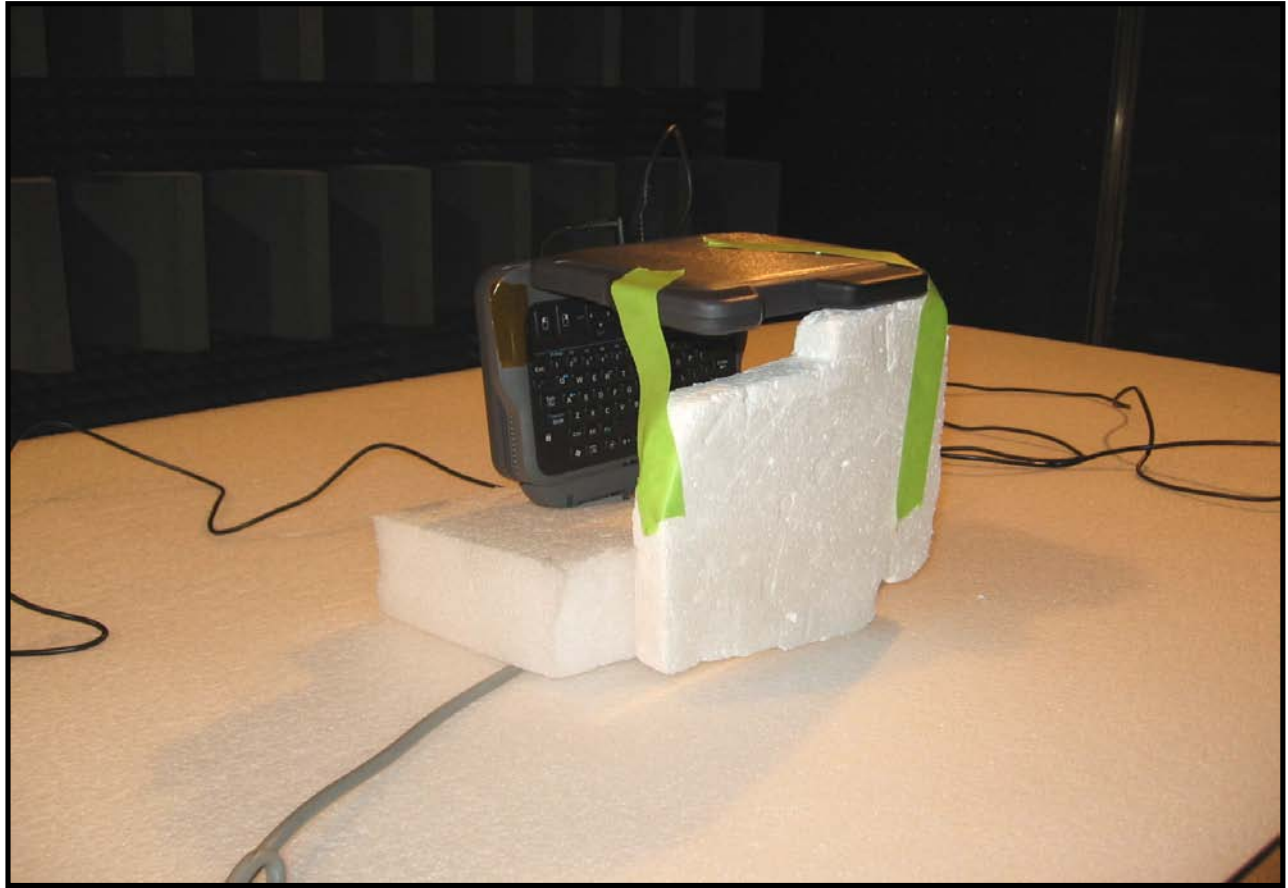
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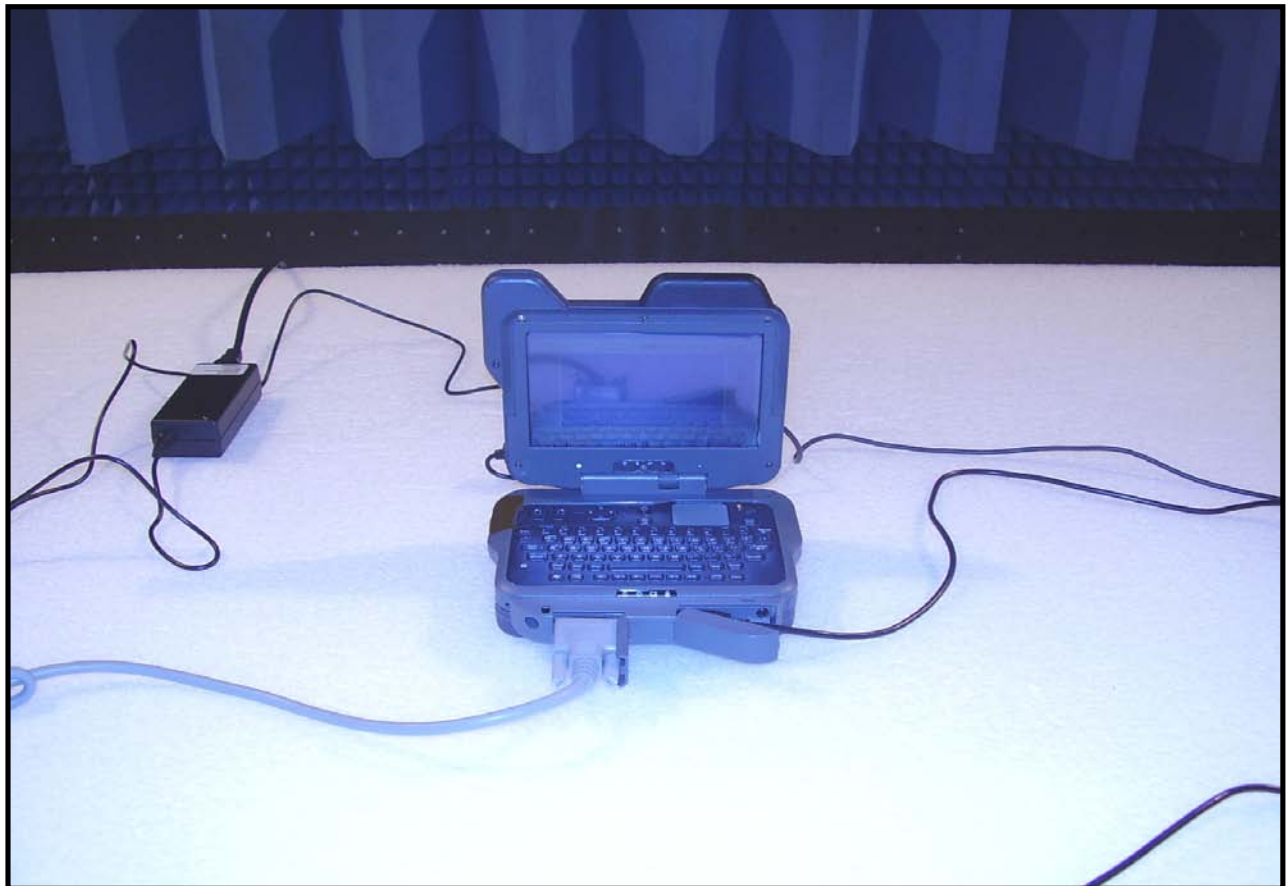
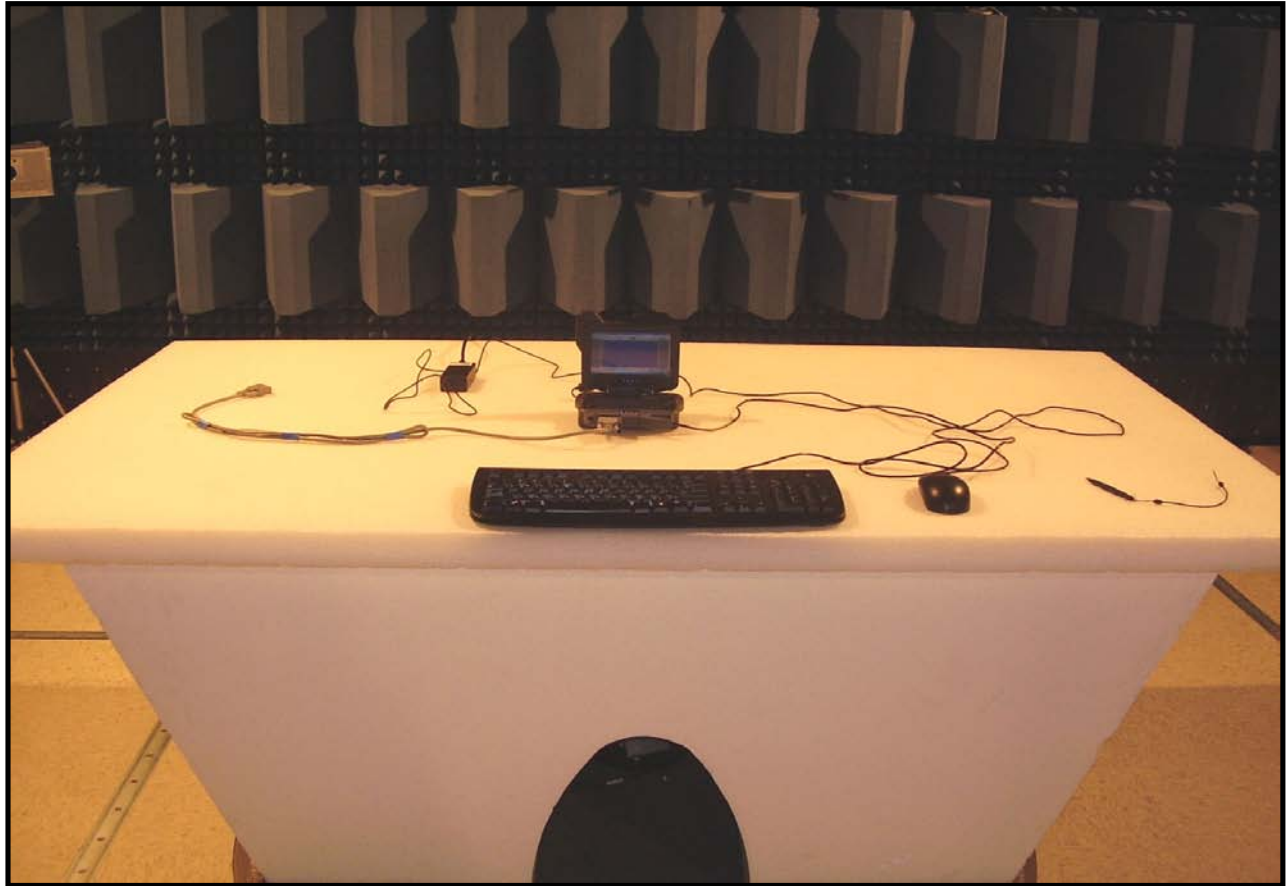
Run #	5	Signature <i>Holly Ashkannejhad</i>
Configuration #	1	
Results	Pass	



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Azimuth (degrees)	Height (meters)	Distance (meters)	External Attenuation (dB)	Polarity	Detector	Distance Adjustment (dB)	Adjusted dBuV/m	Spec. Limit dBuV/m	Compared to Spec. (dB)	Comments
7629.380	26.3	16.4	360.0	1.6	3.0	0.0	H-Horn	AV	0.0	42.7	54.0	-11.3	High channel, Screen vertical
7629.927	26.3	16.4	31.0	1.0	3.0	0.0	V-Horn	AV	0.0	42.7	54.0	-11.3	High channel, Screen vertical
7518.980	25.9	16.6	202.0	1.0	3.0	0.0	V-Horn	AV	0.0	42.5	54.0	-11.5	Mid channel, Screen vertical
7519.597	25.8	16.6	336.0	2.2	3.0	0.0	H-Horn	AV	0.0	42.4	54.0	-11.6	Mid channel, Screen vertical
7410.393	25.8	16.4	104.0	1.6	3.0	0.0	V-Horn	AV	0.0	42.2	54.0	-11.8	Low channel, Screen vertical
7408.203	25.7	16.4	35.0	3.6	3.0	0.0	H-Horn	AV	0.0	42.1	54.0	-11.9	Low channel, Screen vertical
5721.557	25.2	11.3	211.0	1.0	3.0	0.0	H-Horn	AV	0.0	36.5	54.0	-17.5	High channel, Screen vertical
5722.610	25.1	11.3	320.0	3.5	3.0	0.0	V-Horn	AV	0.0	36.4	54.0	-17.6	High channel, Screen vertical
5638.817	25.2	11.1	141.0	1.0	3.0	0.0	H-Horn	AV	0.0	36.3	54.0	-17.7	Mid channel, Screen vertical
5638.947	25.1	11.1	52.0	3.4	3.0	0.0	V-Horn	AV	0.0	36.2	54.0	-17.8	Mid channel, Screen vertical
5558.123	25.3	10.8	275.0	1.8	3.0	0.0	H-Horn	AV	0.0	36.1	54.0	-17.9	Low channel, Screen vertical
5556.847	25.2	10.8	114.0	3.3	3.0	0.0	V-Horn	AV	0.0	36.0	54.0	-18.0	Low channel, Screen vertical
7519.120	39.3	16.6	336.0	2.2	3.0	0.0	H-Horn	PK	0.0	55.9	74.0	-18.1	Mid channel, Screen vertical
7629.737	39.5	16.4	360.0	1.6	3.0	0.0	H-Horn	PK	0.0	55.9	74.0	-18.1	High channel, Screen vertical
7631.223	39.5	16.4	31.0	1.0	3.0	0.0	V-Horn	PK	0.0	55.9	74.0	-18.1	High channel, Screen vertical
7410.363	39.0	16.4	104.0	1.6	3.0	0.0	V-Horn	PK	0.0	55.4	74.0	-18.6	Low channel, Screen vertical
7519.217	38.7	16.6	202.0	1.0	3.0	0.0	V-Horn	PK	0.0	55.3	74.0	-18.7	Mid channel, Screen vertical
7410.020	38.8	16.4	35.0	3.6	3.0	0.0	H-Horn	PK	0.0	55.2	74.0	-18.8	Low channel, Screen vertical
3815.273	26.5	5.5	58.0	2.1	3.0	0.0	V-Horn	AV	0.0	32.0	54.0	-22.0	High channel, Screen vertical
3815.810	26.5	5.5	88.0	1.0	3.0	0.0	H-Horn	AV	0.0	32.0	54.0	-22.0	High channel, Screen vertical







Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Receive mode, PCS Band, GSM, Mid channel.
Receive mode, Cellular Band, GSM, Low channel.
Receive mode, PCS Band, WCDMA, Mid channel.
Receive mode, Cellular Band, WCDMA, High channel.
Receive mode, Cellular Band, WCDMA, Mid channel.
Receive mode, Cellular Band, WCDMA, Low channel.
Receive mode, Cellular Band, GSM, Mid channel.
Receive mode, Cellular Band, GSM, High channel.

POWER SETTINGS INVESTIGATED

120VAC/60Hz

CONFIGURATIONS INVESTIGATED

SPTE0089 - 1

SAMPLE CALCULATIONS

Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
High Pass Filter	T.T.E.	7766	HFG	2/5/2008	13 mo
Attenuator	Coaxicom	66702 2910-20	ATO	5/25/2007	13 mo
EV07 Cables		Conducted Cables	EVG	5/2/2008	13 mo
LISN	Solar	9252-50-R-24-BNC	LIR	1/4/2008	13 mo
Receiver	Rohde & Schwarz	ESCI	ARG	12/7/2007	13 mo

MEASUREMENT BANDWIDTHS

	Frequency Range	Peak Data	Quasi-Peak Data	Average Data
	(MHz)	(kHz)	(kHz)	(kHz)
	0.01 - 0.15	1.0	0.2	0.2
	0.15 - 30.0	10.0	9.0	9.0
	30.0 - 1000	100.0	120.0	120.0
	Above 1000	1000.0	N/A	1000.0

Measurements were made using the bandwidths and detectors specified. No video filter was used.

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50ohm measuring port is terminated by a 50ohm EMI meter or a 50ohm resistive load. All 50ohm measuring ports of the LISN are terminated by 50ohm.

EMC

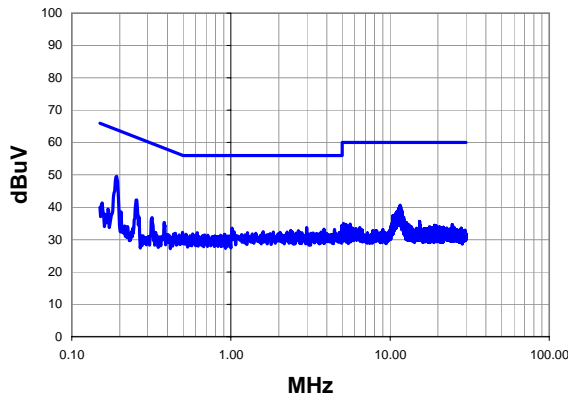
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, Cellular Band, WCDMA, Low channel.			
Deviations:	No deviations.			
Comments:	None			

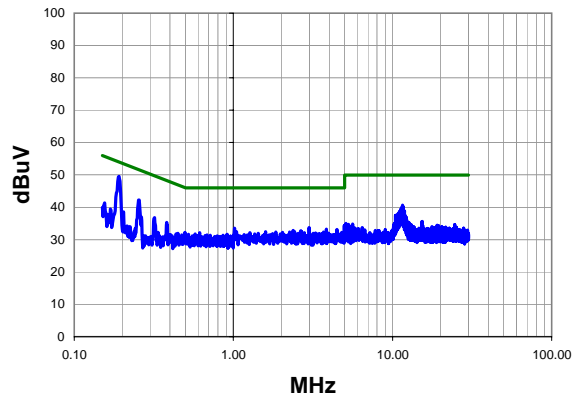
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	1	Line: High Line	Ext. Attenuation: 20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.3	21.2	49.5	64.0	-14.5
11.540	19.9	20.7	40.6	60.0	-19.4
0.254	21.2	21.0	42.2	61.6	-19.4
11.670	19.3	20.7	40.0	60.0	-20.0
11.480	19.3	20.7	40.0	60.0	-20.0
11.610	19.1	20.7	39.8	60.0	-20.2
11.350	18.9	20.7	39.6	60.0	-20.4
11.220	18.4	20.7	39.1	60.0	-20.9
11.740	18.3	20.7	39.0	60.0	-21.0
11.290	18.3	20.7	39.0	60.0	-21.0
11.860	18.1	20.7	38.8	60.0	-21.2
11.030	17.8	20.7	38.5	60.0	-21.5
4.976	13.7	20.7	34.4	56.0	-21.6
10.910	17.3	20.7	38.0	60.0	-22.0
10.840	17.3	20.7	38.0	60.0	-22.0
2.992	13.1	20.6	33.7	56.0	-22.3
11.930	16.8	20.7	37.5	60.0	-22.5
10.450	16.8	20.7	37.5	60.0	-22.5
1.016	12.9	20.6	33.5	56.0	-22.5
10.770	16.6	20.7	37.3	60.0	-22.7

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.3	21.2	49.5	54.0	-4.5
11.540	19.9	20.7	40.6	50.0	-9.4
0.254	21.2	21.0	42.2	51.6	-9.4
11.670	19.3	20.7	40.0	50.0	-10.0
11.480	19.3	20.7	40.0	50.0	-10.0
11.610	19.1	20.7	39.8	50.0	-10.2
11.350	18.9	20.7	39.6	50.0	-10.4
11.220	18.4	20.7	39.1	50.0	-10.9
11.740	18.3	20.7	39.0	50.0	-11.0
11.290	18.3	20.7	39.0	50.0	-11.0
11.860	18.1	20.7	38.8	50.0	-11.2
11.030	17.8	20.7	38.5	50.0	-11.5
4.976	13.7	20.7	34.4	46.0	-11.6
10.910	17.3	20.7	38.0	50.0	-12.0
10.840	17.3	20.7	38.0	50.0	-12.0
2.992	13.1	20.6	33.7	46.0	-12.3
11.930	16.8	20.7	37.5	50.0	-12.5
10.450	16.8	20.7	37.5	50.0	-12.5
1.016	12.9	20.6	33.5	46.0	-12.5
10.770	16.6	20.7	37.3	50.0	-12.7

EMC

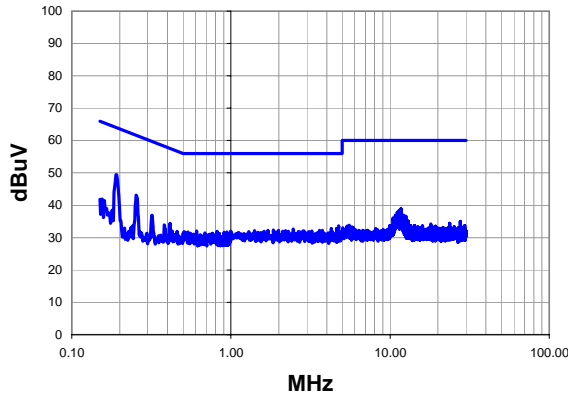
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, Cellular Band, WCDMA, Low channel.			
Deviations:	No deviations.			
Comments:	None			

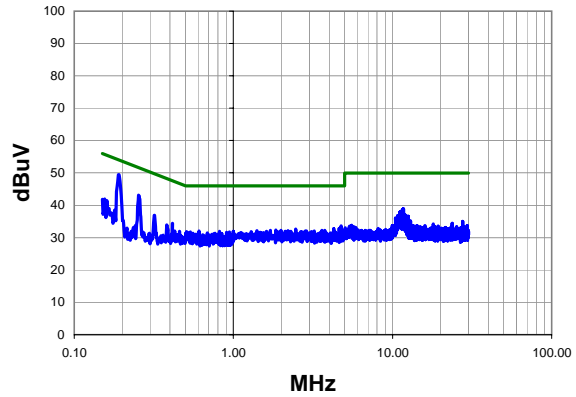
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	2	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.189	28.2	21.3	49.5	64.1	-14.6
0.254	22.1	21.0	43.1	61.6	-18.5
11.740	18.1	20.7	38.8	60.0	-21.2
11.680	18.0	20.7	38.7	60.0	-21.3
11.610	18.0	20.7	38.7	60.0	-21.3
11.550	17.6	20.7	38.3	60.0	-21.7
11.360	17.4	20.7	38.1	60.0	-21.9
11.230	17.4	20.7	38.1	60.0	-21.9
11.290	17.2	20.7	37.9	60.0	-22.1
11.160	17.1	20.7	37.8	60.0	-22.2
11.100	17.1	20.7	37.8	60.0	-22.2
4.744	13.0	20.6	33.6	56.0	-22.4
11.420	16.9	20.7	37.6	60.0	-22.4
11.490	16.8	20.7	37.5	60.0	-22.5
11.800	16.7	20.7	37.4	60.0	-22.6
0.318	15.9	21.0	36.9	59.8	-22.9
11.870	16.3	20.7	37.0	60.0	-23.0
12.120	16.2	20.7	36.9	60.0	-23.1
0.414	13.5	20.9	34.4	57.6	-23.1
4.624	12.2	20.6	32.8	56.0	-23.2

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.189	28.2	21.3	49.5	54.1	-4.6
0.254	22.1	21.0	43.1	51.6	-8.5
11.740	18.1	20.7	38.8	50.0	-11.2
11.680	18.0	20.7	38.7	50.0	-11.3
11.610	18.0	20.7	38.7	50.0	-11.3
11.550	17.6	20.7	38.3	50.0	-11.7
11.360	17.4	20.7	38.1	50.0	-11.9
11.230	17.4	20.7	38.1	50.0	-11.9
11.290	17.2	20.7	37.9	50.0	-12.1
11.160	17.1	20.7	37.8	50.0	-12.2
11.100	17.1	20.7	37.8	50.0	-12.2
4.744	13.0	20.6	33.6	46.0	-12.4
11.420	16.9	20.7	37.6	50.0	-12.4
11.490	16.8	20.7	37.5	50.0	-12.5
11.800	16.7	20.7	37.4	50.0	-12.6
0.318	15.9	21.0	36.9	49.8	-12.9
11.870	16.3	20.7	37.0	50.0	-13.0
12.120	16.2	20.7	36.9	50.0	-13.1
0.414	13.5	20.9	34.4	47.6	-13.1
4.624	12.2	20.6	32.8	46.0	-13.2

EMC

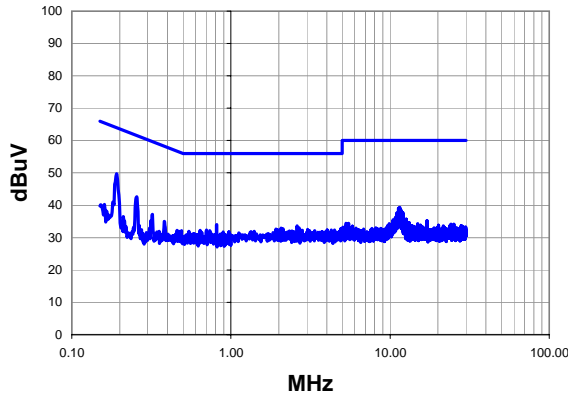
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, Cellular Band, WCDMA, Mid channel.			
Deviations:	No deviations.			
Comments:	None			

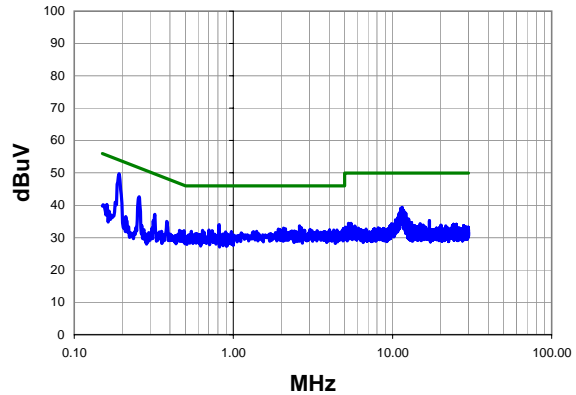
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	3	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.5	21.2	49.7	64.0	-14.3
0.255	21.6	21.0	42.6	61.6	-18.9
11.490	18.6	20.7	39.3	60.0	-20.7
11.290	18.3	20.7	39.0	60.0	-21.0
11.420	18.0	20.7	38.7	60.0	-21.3
11.620	17.8	20.7	38.5	60.0	-21.5
11.740	17.6	20.7	38.3	60.0	-21.7
11.360	17.3	20.7	38.0	60.0	-22.0
0.813	13.3	20.7	34.0	56.0	-22.0
11.870	17.1	20.7	37.8	60.0	-22.2
11.040	16.9	20.7	37.6	60.0	-22.4
2.608	13.0	20.6	33.6	56.0	-22.4
12.130	16.8	20.7	37.5	60.0	-22.5
0.322	16.2	21.0	37.2	59.7	-22.5
11.930	16.7	20.7	37.4	60.0	-22.6
11.810	16.5	20.7	37.2	60.0	-22.8
10.970	16.5	20.7	37.2	60.0	-22.8
11.680	16.4	20.7	37.1	60.0	-22.9
11.100	16.3	20.7	37.0	60.0	-23.0
2.680	12.4	20.6	33.0	56.0	-23.0

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.5	21.2	49.7	54.0	-4.3
0.255	21.6	21.0	42.6	51.6	-8.9
11.490	18.6	20.7	39.3	50.0	-10.7
11.290	18.3	20.7	39.0	50.0	-11.0
11.420	18.0	20.7	38.7	50.0	-11.3
11.620	17.8	20.7	38.5	50.0	-11.5
11.740	17.6	20.7	38.3	50.0	-11.7
11.360	17.3	20.7	38.0	50.0	-12.0
0.813	13.3	20.7	34.0	46.0	-12.0
11.870	17.1	20.7	37.8	50.0	-12.2
11.040	16.9	20.7	37.6	50.0	-12.4
2.608	13.0	20.6	33.6	46.0	-12.4
12.130	16.8	20.7	37.5	50.0	-12.5
0.322	16.2	21.0	37.2	49.7	-12.5
11.930	16.7	20.7	37.4	50.0	-12.6
11.810	16.5	20.7	37.2	50.0	-12.8
10.970	16.5	20.7	37.2	50.0	-12.8
11.680	16.4	20.7	37.1	50.0	-12.9
11.100	16.3	20.7	37.0	50.0	-13.0
2.680	12.4	20.6	33.0	46.0	-13.0

EMC

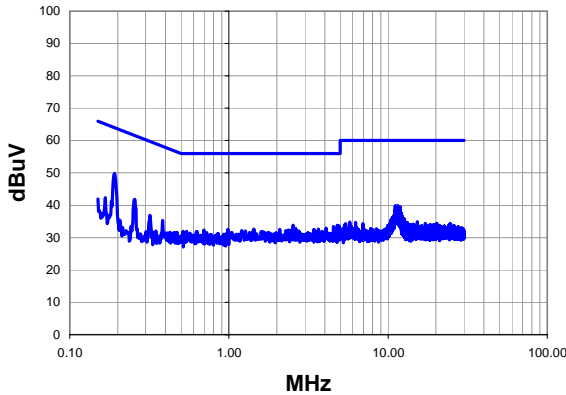
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, Cellular Band, WCDMA, Mid channel.			
Deviations:	No deviations.			
Comments:	None			

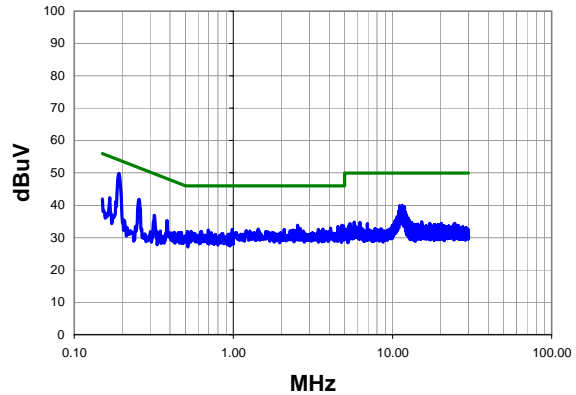
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	4	Line: High Line	Ext. Attenuation: 20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.6	21.2	49.8	64.0	-14.2
0.255	20.8	21.0	41.8	61.6	-19.7
11.490	19.2	20.7	39.9	60.0	-20.1
11.100	19.0	20.7	39.7	60.0	-20.3
11.170	18.8	20.7	39.5	60.0	-20.5
11.880	18.7	20.7	39.4	60.0	-20.6
11.750	18.4	20.7	39.1	60.0	-20.9
11.550	18.4	20.7	39.1	60.0	-20.9
11.430	18.4	20.7	39.1	60.0	-20.9
11.620	18.2	20.7	38.9	60.0	-21.1
11.360	18.0	20.7	38.7	60.0	-21.3
11.680	17.8	20.7	38.5	60.0	-21.5
10.980	17.6	20.7	38.3	60.0	-21.7
4.792	13.2	20.6	33.8	56.0	-22.2
2.528	13.2	20.6	33.8	56.0	-22.2
11.940	17.0	20.7	37.7	60.0	-22.3
4.928	13.0	20.6	33.6	56.0	-22.4
12.070	16.9	20.7	37.6	60.0	-22.4
12.000	16.9	20.7	37.6	60.0	-22.4
4.536	12.7	20.6	33.3	56.0	-22.7

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.6	21.2	49.8	54.0	-4.2
0.255	20.8	21.0	41.8	51.6	-9.7
11.490	19.2	20.7	39.9	50.0	-10.1
11.100	19.0	20.7	39.7	50.0	-10.3
11.170	18.8	20.7	39.5	50.0	-10.5
11.880	18.7	20.7	39.4	50.0	-10.6
11.750	18.4	20.7	39.1	50.0	-10.9
11.550	18.4	20.7	39.1	50.0	-10.9
11.430	18.4	20.7	39.1	50.0	-10.9
11.620	18.2	20.7	38.9	50.0	-11.1
11.360	18.0	20.7	38.7	50.0	-11.3
11.680	17.8	20.7	38.5	50.0	-11.5
10.980	17.6	20.7	38.3	50.0	-11.7
4.792	13.2	20.6	33.8	46.0	-12.2
2.528	13.2	20.6	33.8	46.0	-12.2
11.940	17.0	20.7	37.7	50.0	-12.3
4.928	13.0	20.6	33.6	46.0	-12.4
12.070	16.9	20.7	37.6	50.0	-12.4
12.000	16.9	20.7	37.6	50.0	-12.4
4.536	12.7	20.6	33.3	46.0	-12.7

EMC

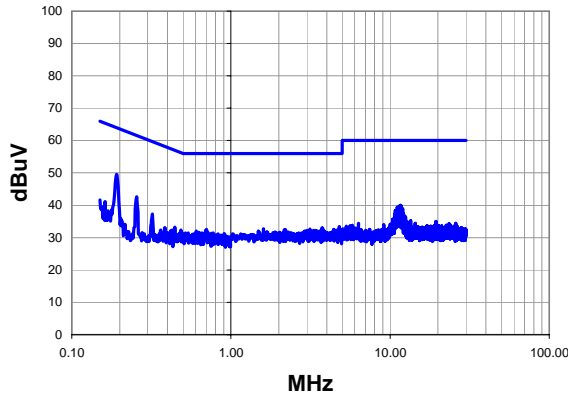
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, Cellular Band, WCDMA, High channel.			
Deviations:	No deviations.			
Comments:	None			

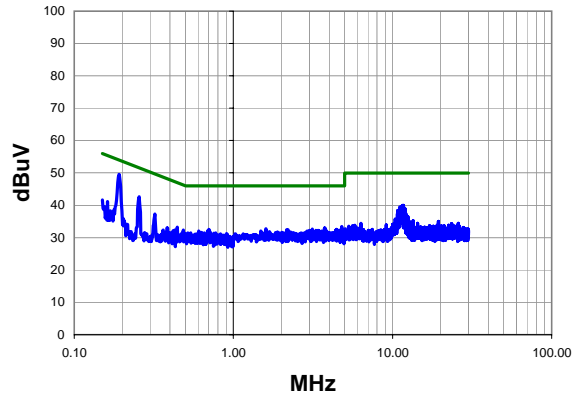
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	5	Line: High Line	Ext. Attenuation: 20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.3	21.2	49.5	64.0	-14.5
0.255	21.6	21.0	42.6	61.6	-18.9
11.680	19.2	20.7	39.9	60.0	-20.1
11.610	19.2	20.7	39.9	60.0	-20.1
11.490	19.1	20.7	39.8	60.0	-20.2
11.750	19.0	20.7	39.7	60.0	-20.3
11.430	19.0	20.7	39.7	60.0	-20.3
11.550	18.9	20.7	39.6	60.0	-20.4
11.110	18.7	20.7	39.4	60.0	-20.6
11.170	18.6	20.7	39.3	60.0	-20.7
11.360	18.4	20.7	39.1	60.0	-20.9
11.300	18.3	20.7	39.0	60.0	-21.0
12.000	18.1	20.7	38.8	60.0	-21.2
11.810	18.0	20.7	38.7	60.0	-21.3
11.870	17.8	20.7	38.5	60.0	-21.5
11.230	17.8	20.7	38.5	60.0	-21.5
10.790	17.7	20.7	38.4	60.0	-21.6
11.940	17.3	20.7	38.0	60.0	-22.0
11.050	17.1	20.7	37.8	60.0	-22.2
0.322	16.3	21.0	37.3	59.7	-22.4

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.3	21.2	49.5	54.0	-4.5
0.255	21.6	21.0	42.6	51.6	-8.9
11.680	19.2	20.7	39.9	50.0	-10.1
11.610	19.2	20.7	39.9	50.0	-10.1
11.490	19.1	20.7	39.8	50.0	-10.2
11.750	19.0	20.7	39.7	50.0	-10.3
11.430	19.0	20.7	39.7	50.0	-10.3
11.550	18.9	20.7	39.6	50.0	-10.4
11.110	18.7	20.7	39.4	50.0	-10.6
11.170	18.6	20.7	39.3	50.0	-10.7
11.360	18.4	20.7	39.1	50.0	-10.9
11.300	18.3	20.7	39.0	50.0	-11.0
12.000	18.1	20.7	38.8	50.0	-11.2
11.810	18.0	20.7	38.7	50.0	-11.3
11.870	17.8	20.7	38.5	50.0	-11.5
11.230	17.8	20.7	38.5	50.0	-11.5
10.790	17.7	20.7	38.4	50.0	-11.6
11.940	17.3	20.7	38.0	50.0	-12.0
11.050	17.1	20.7	37.8	50.0	-12.2
0.322	16.3	21.0	37.3	49.7	-12.4

EMC

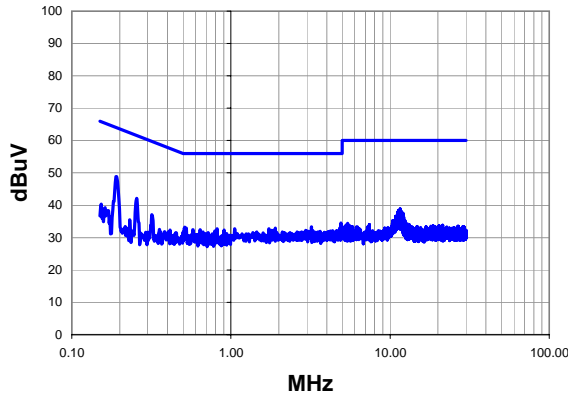
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, Cellular Band, WCDMA, High channel.			
Deviations:	No deviations.			
Comments:	None			

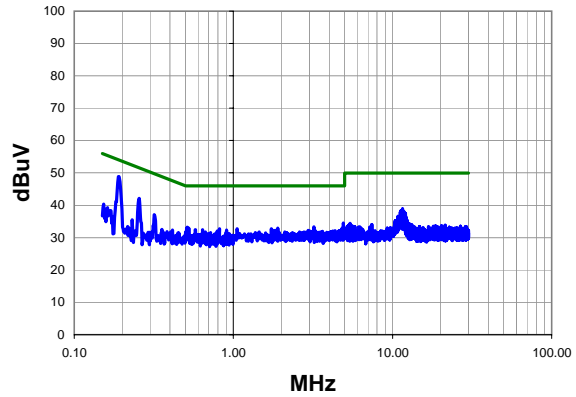
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	6	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.189	27.6	21.3	48.9	64.1	-15.2
0.255	21.1	21.0	42.1	61.6	-19.4
11.560	18.1	20.7	38.8	60.0	-21.2
4.920	13.9	20.6	34.5	56.0	-21.5
11.360	17.6	20.7	38.3	60.0	-21.7
11.300	17.5	20.7	38.2	60.0	-21.8
11.680	17.4	20.7	38.1	60.0	-21.9
11.490	17.4	20.7	38.1	60.0	-21.9
11.810	17.2	20.7	37.9	60.0	-22.1
11.180	17.2	20.7	37.9	60.0	-22.1
11.420	17.1	20.7	37.8	60.0	-22.2
11.620	16.9	20.7	37.6	60.0	-22.4
11.750	16.8	20.7	37.5	60.0	-22.5
11.240	16.8	20.7	37.5	60.0	-22.5
12.070	16.7	20.7	37.4	60.0	-22.6
0.318	16.1	21.0	37.1	59.8	-22.7
3.200	12.7	20.6	33.3	56.0	-22.7
0.512	12.4	20.9	33.3	56.0	-22.7
11.880	16.5	20.7	37.2	60.0	-22.8
0.524	12.1	20.9	33.0	56.0	-23.0

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.189	27.6	21.3	48.9	54.1	-5.2
0.255	21.1	21.0	42.1	51.6	-9.4
11.560	18.1	20.7	38.8	50.0	-11.2
4.920	13.9	20.6	34.5	46.0	-11.5
11.360	17.6	20.7	38.3	50.0	-11.7
11.300	17.5	20.7	38.2	50.0	-11.8
11.680	17.4	20.7	38.1	50.0	-11.9
11.490	17.4	20.7	38.1	50.0	-11.9
11.810	17.2	20.7	37.9	50.0	-12.1
11.180	17.2	20.7	37.9	50.0	-12.1
11.420	17.1	20.7	37.8	50.0	-12.2
11.620	16.9	20.7	37.6	50.0	-12.4
11.750	16.8	20.7	37.5	50.0	-12.5
11.240	16.8	20.7	37.5	50.0	-12.5
12.070	16.7	20.7	37.4	50.0	-12.6
0.318	16.1	21.0	37.1	49.8	-12.7
3.200	12.7	20.6	33.3	46.0	-12.7
0.512	12.4	20.9	33.3	46.0	-12.7
11.880	16.5	20.7	37.2	50.0	-12.8
0.524	12.1	20.9	33.0	46.0	-13.0

EMC

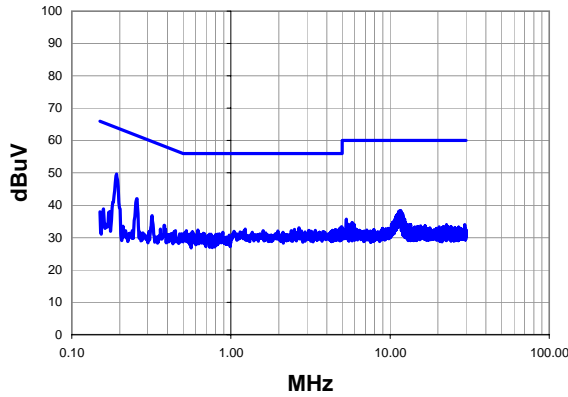
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, PCS Band, WCDMA, Mid channel.			
Deviations:	No deviations.			
Comments:	None			

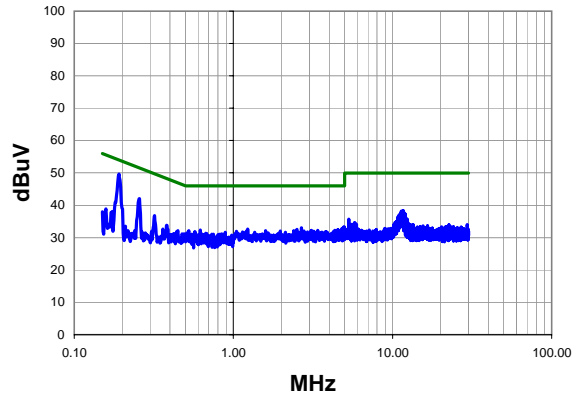
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	7	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.4	21.2	49.6	64.0	-14.4
0.255	21.0	21.0	42.0	61.6	-19.5
11.690	17.6	20.7	38.3	60.0	-21.7
11.560	17.4	20.7	38.1	60.0	-21.9
11.370	17.4	20.7	38.1	60.0	-21.9
11.630	17.2	20.7	37.9	60.0	-22.1
11.430	17.0	20.7	37.7	60.0	-22.3
11.810	16.9	20.7	37.6	60.0	-22.4
11.750	16.7	20.7	37.4	60.0	-22.6
11.170	16.7	20.7	37.4	60.0	-22.6
4.984	12.7	20.7	33.4	56.0	-22.6
11.880	16.6	20.7	37.3	60.0	-22.7
11.240	16.6	20.7	37.3	60.0	-22.7
4.920	12.6	20.6	33.2	56.0	-22.8
12.010	16.5	20.7	37.2	60.0	-22.8
0.320	15.8	21.0	36.8	59.7	-22.9
11.300	16.3	20.7	37.0	60.0	-23.0
2.680	12.4	20.6	33.0	56.0	-23.0
11.050	16.2	20.7	36.9	60.0	-23.1
10.980	16.2	20.7	36.9	60.0	-23.1

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.4	21.2	49.6	54.0	-4.4
0.255	21.0	21.0	42.0	51.6	-9.5
11.690	17.6	20.7	38.3	50.0	-11.7
11.560	17.4	20.7	38.1	50.0	-11.9
11.370	17.4	20.7	38.1	50.0	-11.9
11.630	17.2	20.7	37.9	50.0	-12.1
11.430	17.0	20.7	37.7	50.0	-12.3
11.810	16.9	20.7	37.6	50.0	-12.4
11.750	16.7	20.7	37.4	50.0	-12.6
11.170	16.7	20.7	37.4	50.0	-12.6
4.984	12.7	20.7	33.4	46.0	-12.6
11.880	16.6	20.7	37.3	50.0	-12.7
11.240	16.6	20.7	37.3	50.0	-12.7
4.920	12.6	20.6	33.2	46.0	-12.8
12.010	16.5	20.7	37.2	50.0	-12.8
0.320	15.8	21.0	36.8	49.7	-12.9
11.300	16.3	20.7	37.0	50.0	-13.0
2.680	12.4	20.6	33.0	46.0	-13.0
11.050	16.2	20.7	36.9	50.0	-13.1
10.980	16.2	20.7	36.9	50.0	-13.1

EMC

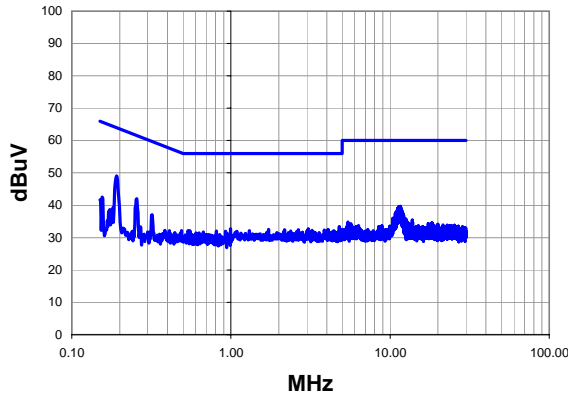
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, PCS Band, WCDMA, Mid channel.			
Deviations:	No deviations.			
Comments:	None			

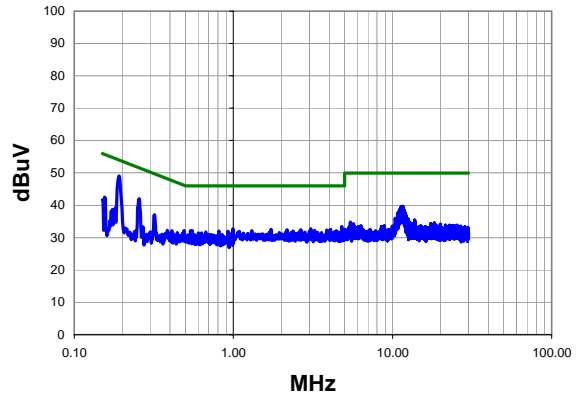
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	8	Line: High Line	Ext. Attenuation: 20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	27.8	21.2	49.0	64.0	-15.0
0.255	21.0	21.0	42.0	61.6	-19.5
11.630	18.9	20.7	39.6	60.0	-20.4
11.370	18.9	20.7	39.6	60.0	-20.4
11.430	18.8	20.7	39.5	60.0	-20.5
11.690	18.6	20.7	39.3	60.0	-20.7
11.570	18.4	20.7	39.1	60.0	-20.9
11.240	18.4	20.7	39.1	60.0	-20.9
11.180	18.3	20.7	39.0	60.0	-21.0
11.500	18.1	20.7	38.8	60.0	-21.2
11.120	17.8	20.7	38.5	60.0	-21.5
11.820	17.7	20.7	38.4	60.0	-21.6
11.310	17.7	20.7	38.4	60.0	-21.6
10.920	17.4	20.7	38.1	60.0	-21.9
11.940	17.1	20.7	37.8	60.0	-22.2
11.880	17.1	20.7	37.8	60.0	-22.2
11.050	16.9	20.7	37.6	60.0	-22.4
10.860	16.9	20.7	37.6	60.0	-22.4
10.990	16.8	20.7	37.5	60.0	-22.5
10.790	16.8	20.7	37.5	60.0	-22.5

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	27.8	21.2	49.0	54.0	-5.0
0.255	21.0	21.0	42.0	51.6	-9.5
11.630	18.9	20.7	39.6	50.0	-10.4
11.370	18.9	20.7	39.6	50.0	-10.4
11.430	18.8	20.7	39.5	50.0	-10.5
11.690	18.6	20.7	39.3	50.0	-10.7
11.570	18.4	20.7	39.1	50.0	-10.9
11.240	18.4	20.7	39.1	50.0	-10.9
11.180	18.3	20.7	39.0	50.0	-11.0
11.500	18.1	20.7	38.8	50.0	-11.2
11.120	17.8	20.7	38.5	50.0	-11.5
11.820	17.7	20.7	38.4	50.0	-11.6
11.310	17.7	20.7	38.4	50.0	-11.6
10.920	17.4	20.7	38.1	50.0	-11.9
11.940	17.1	20.7	37.8	50.0	-12.2
11.880	17.1	20.7	37.8	50.0	-12.2
11.050	16.9	20.7	37.6	50.0	-12.4
10.860	16.9	20.7	37.6	50.0	-12.4
10.990	16.8	20.7	37.5	50.0	-12.5
10.790	16.8	20.7	37.5	50.0	-12.5

EMC

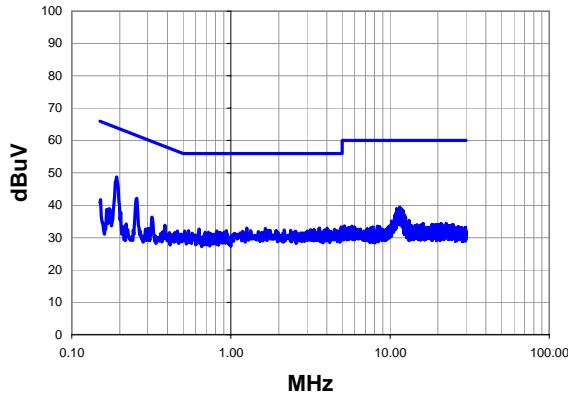
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, Cellular Band, GSM, Low channel.			
Deviations:	No deviations.			
Comments:	None			

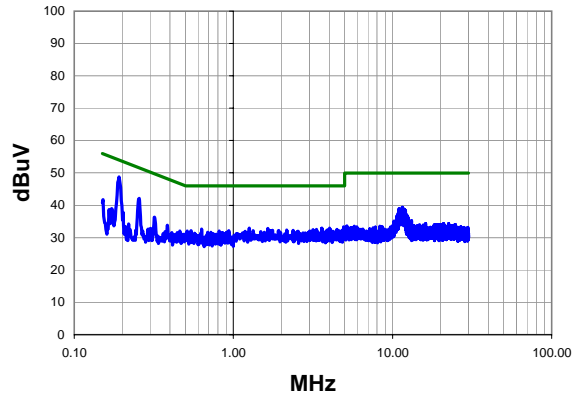
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	9	Line: High Line	Ext. Attenuation: 20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	27.5	21.2	48.7	64.0	-15.3
0.255	21.1	21.0	42.1	61.6	-19.4
11.500	18.6	20.7	39.3	60.0	-20.7
11.570	18.4	20.7	39.1	60.0	-20.9
10.990	18.1	20.7	38.8	60.0	-21.2
11.820	18.0	20.7	38.7	60.0	-21.3
11.630	18.0	20.7	38.7	60.0	-21.3
11.310	17.9	20.7	38.6	60.0	-21.4
11.240	17.8	20.7	38.5	60.0	-21.5
11.120	17.8	20.7	38.5	60.0	-21.5
12.020	17.7	20.7	38.4	60.0	-21.6
11.760	17.7	20.7	38.4	60.0	-21.6
11.690	17.7	20.7	38.4	60.0	-21.6
11.440	17.7	20.7	38.4	60.0	-21.6
11.370	17.7	20.7	38.4	60.0	-21.6
11.180	17.7	20.7	38.4	60.0	-21.6
12.040	17.5	20.7	38.2	60.0	-21.8
11.950	16.9	20.7	37.6	60.0	-22.4
10.860	16.8	20.7	37.5	60.0	-22.5
10.930	16.7	20.7	37.4	60.0	-22.6

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	27.5	21.2	48.7	54.0	-5.3
0.255	21.1	21.0	42.1	51.6	-9.4
11.500	18.6	20.7	39.3	50.0	-10.7
11.570	18.4	20.7	39.1	50.0	-10.9
10.990	18.1	20.7	38.8	50.0	-11.2
11.820	18.0	20.7	38.7	50.0	-11.3
11.630	18.0	20.7	38.7	50.0	-11.3
11.310	17.9	20.7	38.6	50.0	-11.4
11.240	17.8	20.7	38.5	50.0	-11.5
11.120	17.8	20.7	38.5	50.0	-11.5
12.020	17.7	20.7	38.4	50.0	-11.6
11.760	17.7	20.7	38.4	50.0	-11.6
11.690	17.7	20.7	38.4	50.0	-11.6
11.440	17.7	20.7	38.4	50.0	-11.6
11.370	17.7	20.7	38.4	50.0	-11.6
11.180	17.7	20.7	38.4	50.0	-11.6
12.040	17.5	20.7	38.2	50.0	-11.8
11.950	16.9	20.7	37.6	50.0	-12.4
10.860	16.8	20.7	37.5	50.0	-12.5
10.930	16.7	20.7	37.4	50.0	-12.6

EMC

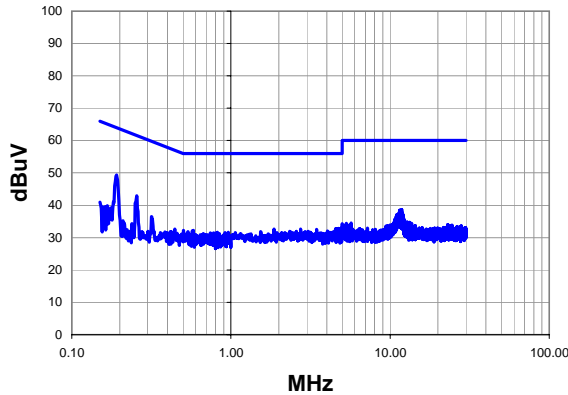
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, Cellular Band, GSM, Low channel.			
Deviations:	No deviations.			
Comments:	None			

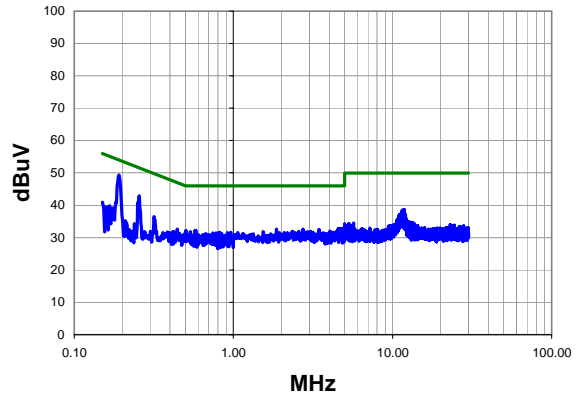
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	10	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.1	21.2	49.3	64.0	-14.7
0.255	21.9	21.0	42.9	61.6	-18.6
11.830	17.9	20.7	38.6	60.0	-21.4
11.500	17.7	20.7	38.4	60.0	-21.6
4.992	13.6	20.7	34.3	56.0	-21.7
11.630	17.3	20.7	38.0	60.0	-22.0
11.690	17.2	20.7	37.9	60.0	-22.1
11.760	17.1	20.7	37.8	60.0	-22.2
11.380	17.1	20.7	37.8	60.0	-22.2
11.890	16.9	20.7	37.6	60.0	-22.4
11.570	16.7	20.7	37.4	60.0	-22.6
12.080	16.4	20.7	37.1	60.0	-22.9
11.310	16.4	20.7	37.1	60.0	-22.9
11.050	16.4	20.7	37.1	60.0	-22.9
4.920	12.3	20.6	32.9	56.0	-23.1
4.728	12.2	20.6	32.8	56.0	-23.2
4.560	12.1	20.6	32.7	56.0	-23.3
0.317	15.5	21.0	36.5	59.8	-23.3
10.930	15.9	20.7	36.6	60.0	-23.4
2.744	12.0	20.6	32.6	56.0	-23.4

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.1	21.2	49.3	54.0	-4.7
0.255	21.9	21.0	42.9	51.6	-8.6
11.830	17.9	20.7	38.6	50.0	-11.4
11.500	17.7	20.7	38.4	50.0	-11.6
4.992	13.6	20.7	34.3	46.0	-11.7
11.630	17.3	20.7	38.0	50.0	-12.0
11.690	17.2	20.7	37.9	50.0	-12.1
11.760	17.1	20.7	37.8	50.0	-12.2
11.380	17.1	20.7	37.8	50.0	-12.2
11.890	16.9	20.7	37.6	50.0	-12.4
11.570	16.7	20.7	37.4	50.0	-12.6
12.080	16.4	20.7	37.1	50.0	-12.9
11.310	16.4	20.7	37.1	50.0	-12.9
11.050	16.4	20.7	37.1	50.0	-12.9
4.920	12.3	20.6	32.9	46.0	-13.1
4.728	12.2	20.6	32.8	46.0	-13.2
4.560	12.1	20.6	32.7	46.0	-13.3
0.317	15.5	21.0	36.5	49.8	-13.3
10.930	15.9	20.7	36.6	50.0	-13.4
2.744	12.0	20.6	32.6	46.0	-13.4

EMC

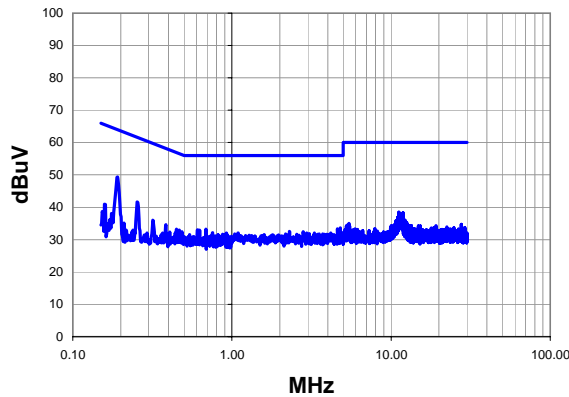
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, Cellular Band, GSM, Mid channel.			
Deviations:	No deviations.			
Comments:	None			

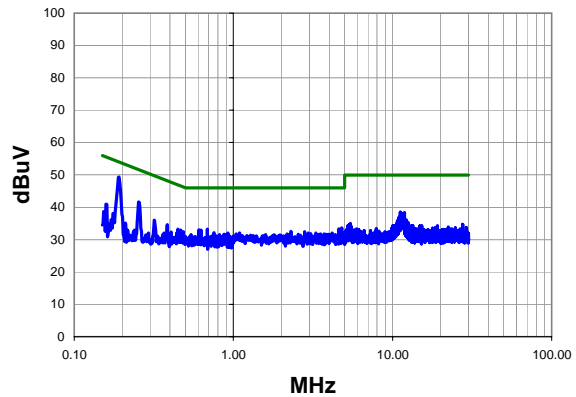
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	11	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.1	21.2	49.3	64.0	-14.7
0.254	20.6	21.0	41.6	61.6	-20.0
11.180	17.7	20.7	38.4	60.0	-21.6
11.890	17.5	20.7	38.2	60.0	-21.8
11.500	17.3	20.7	38.0	60.0	-22.0
11.240	17.2	20.7	37.9	60.0	-22.1
4.792	13.0	20.6	33.6	56.0	-22.4
11.760	16.7	20.7	37.4	60.0	-22.6
4.600	12.7	20.6	33.3	56.0	-22.7
0.686	12.5	20.8	33.3	56.0	-22.7
11.310	16.5	20.7	37.2	60.0	-22.8
11.690	16.4	20.7	37.1	60.0	-22.9
11.630	16.4	20.7	37.1	60.0	-22.9
11.120	16.4	20.7	37.1	60.0	-22.9
0.607	12.2	20.8	33.0	56.0	-23.0
11.440	16.2	20.7	36.9	60.0	-23.1
10.990	16.2	20.7	36.9	60.0	-23.1
0.626	12.1	20.8	32.9	56.0	-23.1
11.050	16.0	20.7	36.7	60.0	-23.3
2.296	11.9	20.6	32.5	56.0	-23.5

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.1	21.2	49.3	54.0	-4.7
0.254	20.6	21.0	41.6	51.6	-10.0
11.180	17.7	20.7	38.4	50.0	-11.6
11.890	17.5	20.7	38.2	50.0	-11.8
11.500	17.3	20.7	38.0	50.0	-12.0
11.240	17.2	20.7	37.9	50.0	-12.1
4.792	13.0	20.6	33.6	46.0	-12.4
11.760	16.7	20.7	37.4	50.0	-12.6
4.600	12.7	20.6	33.3	46.0	-12.7
0.686	12.5	20.8	33.3	46.0	-12.7
11.310	16.5	20.7	37.2	50.0	-12.8
11.690	16.4	20.7	37.1	50.0	-12.9
11.630	16.4	20.7	37.1	50.0	-12.9
11.120	16.4	20.7	37.1	50.0	-12.9
0.607	12.2	20.8	33.0	46.0	-13.0
11.440	16.2	20.7	36.9	50.0	-13.1
10.990	16.2	20.7	36.9	50.0	-13.1
0.626	12.1	20.8	32.9	46.0	-13.1
11.050	16.0	20.7	36.7	50.0	-13.3
2.296	11.9	20.6	32.5	46.0	-13.5

EMC

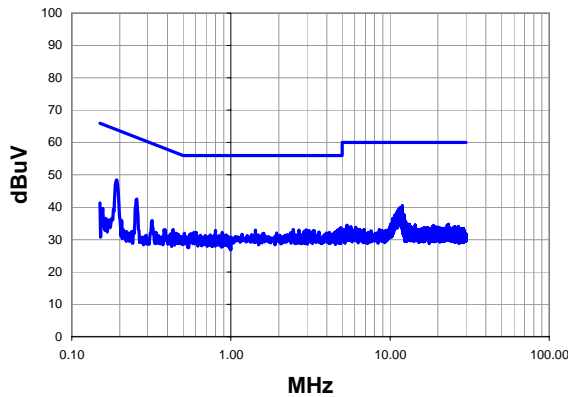
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i>
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, Cellular Band, GSM, Mid channel.			
Deviations:	No deviations.			
Comments:	None			

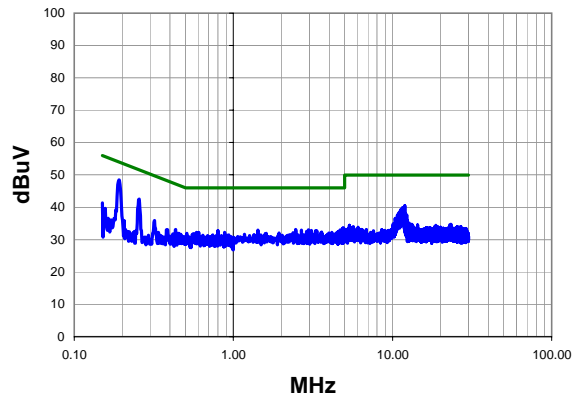
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	12	Line: High Line	Ext. Attenuation: 20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	27.2	21.2	48.4	64.0	-15.6
0.255	21.5	21.0	42.5	61.6	-19.0
11.950	19.7	20.7	40.4	60.0	-19.6
11.700	19.1	20.7	39.8	60.0	-20.2
11.500	19.0	20.7	39.7	60.0	-20.3
11.760	18.8	20.7	39.5	60.0	-20.5
11.440	18.6	20.7	39.3	60.0	-20.7
11.630	18.5	20.7	39.2	60.0	-20.8
11.310	18.5	20.7	39.2	60.0	-20.8
11.820	18.2	20.7	38.9	60.0	-21.1
11.180	18.1	20.7	38.8	60.0	-21.2
11.370	17.8	20.7	38.5	60.0	-21.5
11.120	17.8	20.7	38.5	60.0	-21.5
10.980	17.6	20.7	38.3	60.0	-21.7
11.050	17.5	20.7	38.2	60.0	-21.8
12.010	17.4	20.7	38.1	60.0	-21.9
11.560	17.3	20.7	38.0	60.0	-22.0
4.928	13.0	20.6	33.6	56.0	-22.4
12.080	16.9	20.7	37.6	60.0	-22.4
10.730	16.9	20.7	37.6	60.0	-22.4

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	27.2	21.2	48.4	54.0	-5.6
0.255	21.5	21.0	42.5	51.6	-9.0
11.950	19.7	20.7	40.4	50.0	-9.6
11.700	19.1	20.7	39.8	50.0	-10.2
11.500	19.0	20.7	39.7	50.0	-10.3
11.760	18.8	20.7	39.5	50.0	-10.5
11.440	18.6	20.7	39.3	50.0	-10.7
11.630	18.5	20.7	39.2	50.0	-10.8
11.310	18.5	20.7	39.2	50.0	-10.8
11.820	18.2	20.7	38.9	50.0	-11.1
11.180	18.1	20.7	38.8	50.0	-11.2
11.370	17.8	20.7	38.5	50.0	-11.5
11.120	17.8	20.7	38.5	50.0	-11.5
10.980	17.6	20.7	38.3	50.0	-11.7
11.050	17.5	20.7	38.2	50.0	-11.8
12.010	17.4	20.7	38.1	50.0	-11.9
11.560	17.3	20.7	38.0	50.0	-12.0
4.928	13.0	20.6	33.6	46.0	-12.4
12.080	16.9	20.7	37.6	50.0	-12.4
10.730	16.9	20.7	37.6	50.0	-12.4

EMC

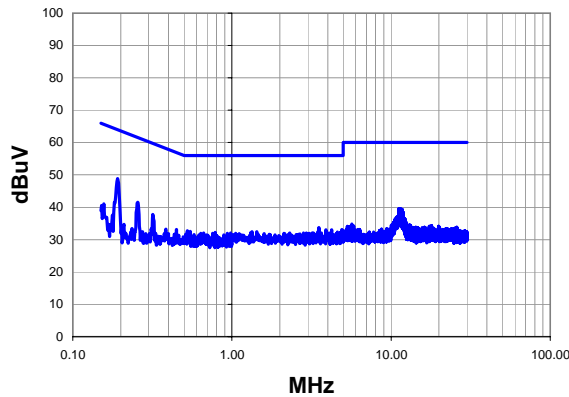
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, Cellular Band, GSM, High channel.			
Deviations:	No deviations.			
Comments:	None			

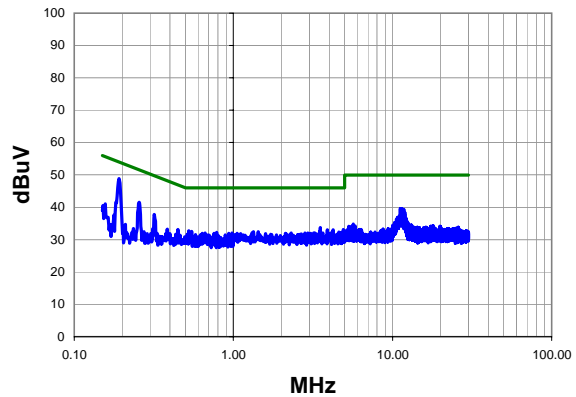
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	13	Line: High Line	Ext. Attenuation: 20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	27.6	21.2	48.8	64.0	-15.2
0.255	20.5	21.0	41.5	61.6	-20.0
11.440	18.8	20.7	39.5	60.0	-20.5
11.370	18.8	20.7	39.5	60.0	-20.5
11.190	18.8	20.7	39.5	60.0	-20.5
11.760	18.6	20.7	39.3	60.0	-20.7
11.690	18.3	20.7	39.0	60.0	-21.0
11.240	18.2	20.7	38.9	60.0	-21.1
11.630	18.1	20.7	38.8	60.0	-21.2
11.570	18.1	20.7	38.8	60.0	-21.2
11.500	18.1	20.7	38.8	60.0	-21.2
11.950	17.6	20.7	38.3	60.0	-21.7
0.318	16.8	21.0	37.8	59.8	-22.0
11.880	17.1	20.7	37.8	60.0	-22.2
11.820	17.1	20.7	37.8	60.0	-22.2
3.520	13.1	20.6	33.7	56.0	-22.3
4.920	12.5	20.6	33.1	56.0	-22.9
4.224	12.4	20.6	33.0	56.0	-23.0
3.888	12.4	20.6	33.0	56.0	-23.0
10.800	16.2	20.7	36.9	60.0	-23.1

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	27.6	21.2	48.8	54.0	-5.2
0.255	20.5	21.0	41.5	51.6	-10.0
11.440	18.8	20.7	39.5	50.0	-10.5
11.370	18.8	20.7	39.5	50.0	-10.5
11.190	18.8	20.7	39.5	50.0	-10.5
11.760	18.6	20.7	39.3	50.0	-10.7
11.690	18.3	20.7	39.0	50.0	-11.0
11.240	18.2	20.7	38.9	50.0	-11.1
11.630	18.1	20.7	38.8	50.0	-11.2
11.570	18.1	20.7	38.8	50.0	-11.2
11.500	18.1	20.7	38.8	50.0	-11.2
11.950	17.6	20.7	38.3	50.0	-11.7
0.318	16.8	21.0	37.8	49.8	-12.0
11.880	17.1	20.7	37.8	50.0	-12.2
11.820	17.1	20.7	37.8	50.0	-12.2
3.520	13.1	20.6	33.7	46.0	-12.3
4.920	12.5	20.6	33.1	46.0	-12.9
4.224	12.4	20.6	33.0	46.0	-13.0
3.888	12.4	20.6	33.0	46.0	-13.0
10.800	16.2	20.7	36.9	50.0	-13.1

EMC

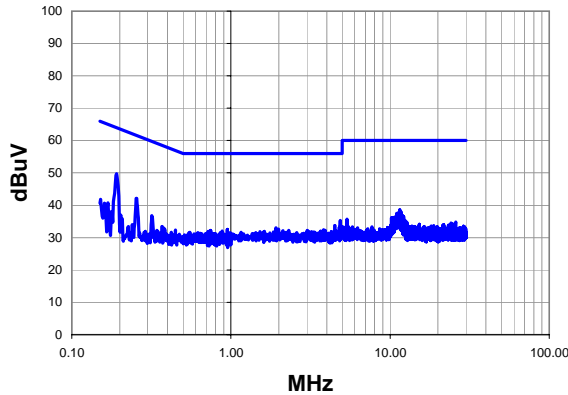
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, Cellular Band, GSM, High channel.			
Deviations:	No deviations.			
Comments:	None			

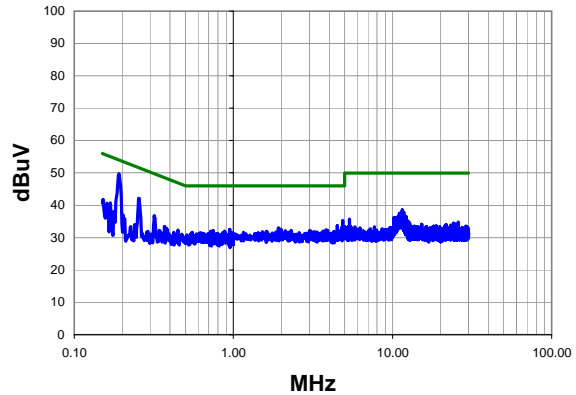
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	14	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.5	21.2	49.7	64.0	-14.3
0.254	21.1	21.0	42.1	61.6	-19.5
4.856	14.7	20.6	35.3	56.0	-20.7
11.500	17.8	20.7	38.5	60.0	-21.5
11.760	17.1	20.7	37.8	60.0	-22.2
4.488	13.1	20.6	33.7	56.0	-22.3
11.250	16.9	20.7	37.6	60.0	-22.4
11.050	16.8	20.7	37.5	60.0	-22.5
4.992	12.8	20.7	33.5	56.0	-22.5
11.560	16.7	20.7	37.4	60.0	-22.6
4.928	12.7	20.6	33.3	56.0	-22.7
4.792	12.6	20.6	33.2	56.0	-22.8
11.690	16.5	20.7	37.2	60.0	-22.8
11.440	16.4	20.7	37.1	60.0	-22.9
11.370	16.4	20.7	37.1	60.0	-22.9
0.318	15.8	21.0	36.8	59.8	-23.0
1.920	12.4	20.6	33.0	56.0	-23.0
11.890	16.2	20.7	36.9	60.0	-23.1
11.940	16.0	20.7	36.7	60.0	-23.3
11.820	16.0	20.7	36.7	60.0	-23.3

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.5	21.2	49.7	54.0	-4.3
0.254	21.1	21.0	42.1	51.6	-9.5
4.856	14.7	20.6	35.3	46.0	-10.7
11.500	17.8	20.7	38.5	50.0	-11.5
11.760	17.1	20.7	37.8	50.0	-12.2
4.488	13.1	20.6	33.7	46.0	-12.3
11.250	16.9	20.7	37.6	50.0	-12.4
11.050	16.8	20.7	37.5	50.0	-12.5
4.992	12.8	20.7	33.5	46.0	-12.5
11.560	16.7	20.7	37.4	50.0	-12.6
4.928	12.7	20.6	33.3	46.0	-12.7
4.792	12.6	20.6	33.2	46.0	-12.8
11.690	16.5	20.7	37.2	50.0	-12.8
11.440	16.4	20.7	37.1	50.0	-12.9
11.370	16.4	20.7	37.1	50.0	-12.9
0.318	15.8	21.0	36.8	49.8	-13.0
1.920	12.4	20.6	33.0	46.0	-13.0
11.890	16.2	20.7	36.9	50.0	-13.1
11.940	16.0	20.7	36.7	50.0	-13.3
11.820	16.0	20.7	36.7	50.0	-13.3

EMC

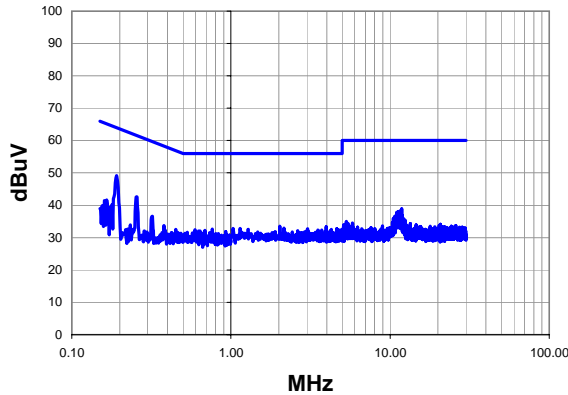
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, PCS Band, GSM, Mid channel.			
Deviations:	No deviations.			
Comments:	None			

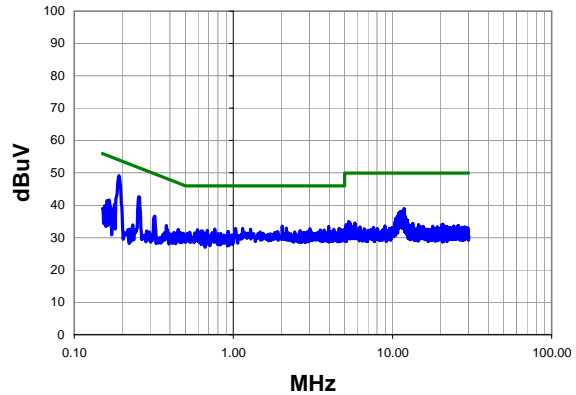
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	15	Line:	Neutral	Ext. Attenuation:	20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	27.9	21.2	49.1	64.0	-14.9
0.255	21.6	21.0	42.6	61.6	-18.9
11.820	18.1	20.7	38.8	60.0	-21.2
11.500	17.4	20.7	38.1	60.0	-21.9
11.630	17.3	20.7	38.0	60.0	-22.0
11.180	17.3	20.7	38.0	60.0	-22.0
11.440	17.0	20.7	37.7	60.0	-22.3
10.990	17.0	20.7	37.7	60.0	-22.3
11.760	16.9	20.7	37.6	60.0	-22.4
11.300	16.9	20.7	37.6	60.0	-22.4
11.570	16.8	20.7	37.5	60.0	-22.5
11.050	16.8	20.7	37.5	60.0	-22.5
2.032	12.9	20.6	33.5	56.0	-22.5
11.370	16.7	20.7	37.4	60.0	-22.6
11.120	16.7	20.7	37.4	60.0	-22.6
3.968	12.7	20.6	33.3	56.0	-22.7
11.880	16.2	20.7	36.9	60.0	-23.1
2.152	12.3	20.6	32.9	56.0	-23.1
0.320	15.6	21.0	36.6	59.7	-23.1
1.032	12.3	20.6	32.9	56.0	-23.1

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	27.9	21.2	49.1	54.0	-4.9
0.255	21.6	21.0	42.6	51.6	-8.9
11.820	18.1	20.7	38.8	50.0	-11.2
11.500	17.4	20.7	38.1	50.0	-11.9
11.630	17.3	20.7	38.0	50.0	-12.0
11.180	17.3	20.7	38.0	50.0	-12.0
11.440	17.0	20.7	37.7	50.0	-12.3
10.990	17.0	20.7	37.7	50.0	-12.3
11.760	16.9	20.7	37.6	50.0	-12.4
11.300	16.9	20.7	37.6	50.0	-12.4
11.570	16.8	20.7	37.5	50.0	-12.5
11.050	16.8	20.7	37.5	50.0	-12.5
2.032	12.9	20.6	33.5	46.0	-12.5
11.370	16.7	20.7	37.4	50.0	-12.6
11.120	16.7	20.7	37.4	50.0	-12.6
3.968	12.7	20.6	33.3	46.0	-12.7
11.880	16.2	20.7	36.9	50.0	-13.1
2.152	12.3	20.6	32.9	46.0	-13.1
0.320	15.6	21.0	36.6	49.7	-13.1
1.032	12.3	20.6	32.9	46.0	-13.1

EMC

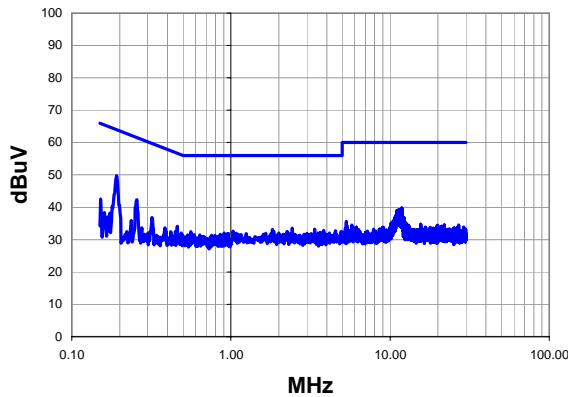
CONDUCTED EMISSIONS

Work Order:	SPT0089	Date:	05/28/08	<i>David Divergigelis</i> Tested by: David Divergigelis
Project:	None	Temperature:	23	
Job Site:	EV07	Humidity:	30	
Serial Number:	None	Barometric Pres.:	1016.8	
EUT:	IX750 with IX-MC8775			
Configuration:	1			
Customer:	Spectrum Technology, Inc.			
Attendees:	Rod Munro			
EUT Power:	120VAC/60Hz			
Operating Mode:	Receive mode, PCS Band, GSM, Mid channel.			
Deviations:	No deviations.			
Comments:	None			

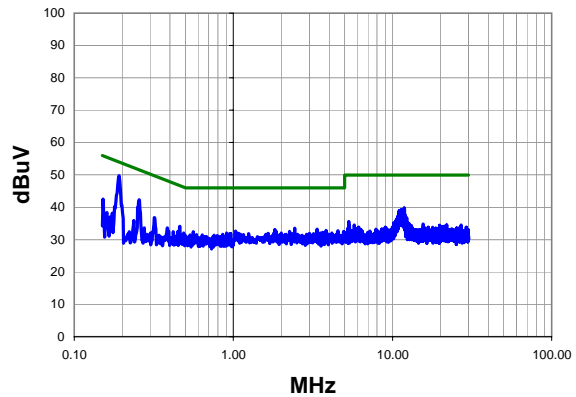
Test Specifications FCC 15.107:2007	Class B	Test Method ANSI C63.4:2003
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Run #	16	Line: High Line	Ext. Attenuation: 20	Results	Pass
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Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.5	21.2	49.7	64.0	-14.3
0.255	21.3	21.0	42.3	61.6	-19.2
11.820	19.0	20.7	39.7	60.0	-20.3
11.880	18.8	20.7	39.5	60.0	-20.5
11.630	18.4	20.7	39.1	60.0	-20.9
11.500	18.4	20.7	39.1	60.0	-20.9
11.310	18.4	20.7	39.1	60.0	-20.9
11.690	18.2	20.7	38.9	60.0	-21.1
11.050	18.2	20.7	38.9	60.0	-21.1
11.440	18.1	20.7	38.8	60.0	-21.2
11.110	18.0	20.7	38.7	60.0	-21.3
11.240	17.9	20.7	38.6	60.0	-21.4
10.980	17.9	20.7	38.6	60.0	-21.4
11.760	17.6	20.7	38.3	60.0	-21.7
11.180	17.5	20.7	38.2	60.0	-21.8
10.920	17.1	20.7	37.8	60.0	-22.2
11.950	17.0	20.7	37.7	60.0	-22.3
2.424	12.9	20.6	33.5	56.0	-22.5
0.461	13.2	20.9	34.1	56.7	-22.6
10.860	16.5	20.7	37.2	60.0	-22.8

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.191	28.5	21.2	49.7	54.0	-4.3
0.255	21.3	21.0	42.3	51.6	-9.2
11.820	19.0	20.7	39.7	50.0	-10.3
11.880	18.8	20.7	39.5	50.0	-10.5
11.630	18.4	20.7	39.1	50.0	-10.9
11.500	18.4	20.7	39.1	50.0	-10.9
11.310	18.4	20.7	39.1	50.0	-10.9
11.690	18.2	20.7	38.9	50.0	-11.1
11.050	18.2	20.7	38.9	50.0	-11.1
11.440	18.1	20.7	38.8	50.0	-11.2
11.110	18.0	20.7	38.7	50.0	-11.3
11.240	17.9	20.7	38.6	50.0	-11.4
10.980	17.9	20.7	38.6	50.0	-11.4
11.760	17.6	20.7	38.3	50.0	-11.7
11.180	17.5	20.7	38.2	50.0	-11.8
10.920	17.1	20.7	37.8	50.0	-12.2
11.950	17.0	20.7	37.7	50.0	-12.3
2.424	12.9	20.6	33.5	46.0	-12.5
0.461	13.2	20.9	34.1	46.7	-12.6
10.860	16.5	20.7	37.2	50.0	-12.8

