



1250 Peterson Dr., Wheeling, IL 60090

Company: RF Technologies, Inc.  
Model Tested: 0800-0364  
Report Number: 14056

FCC Rules and Regulations / CFR 47

Receivers and all other Unintentional Radiators

Part 15, Subpart B, Sections 15.107a & 15.109a

**THE FOLLOWING MEETS THE ABOVE TEST SPECIFICATION**

Formal Name: Router  
Kind of Equipment: Nurse Call and Security Device  
Test Configuration: Wireless Connection (Tested at 120 vac, 60 Hz)  
Model Number(s): 0800-0364  
Model(s) Tested: 0800-0364  
Serial Number(s): N/A  
Date of Tests: March 27 & April 1, 2008  
Test Conducted For: RF Technologies, Inc.  
3125 North 126th Street  
Brookfield, Wisconsin 53066

**NOTICE:** "This test report relates only to the items tested and must not be used by the client to claim product endorsement by NVLAP, NIST, or any agency of the U.S. Government". Please see the "Additional Description of Equipment Under Test" page listed inside of this report.

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Model Tested: 0800-0364  
Report Number: 14056

SIGNATURE PAGE

Report By:

Arnom C. Rowe  
Test Engineer  
EMC-001375-NE

Reviewed By:

William Stumpf  
OATS Manager

Approved By:

Brian Mattson  
General Manager



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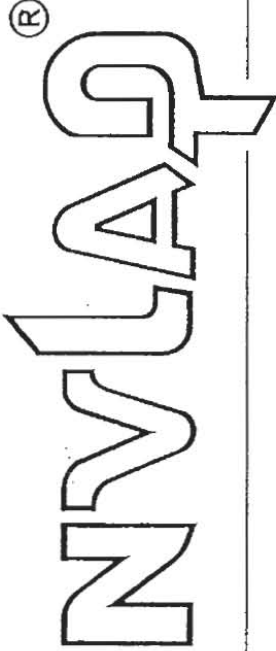
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United States Department of Commerce  
National Institute of Standards and Technology



# Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 100276-0

**D.L.S. Electronic Systems, Inc.**  
Wheeling, IL

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

## ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué dated 18 June 2005).*

2007-10-01 through 2008-09-30

Effective dates



*Dolly J. Buce*  
For the National Institute of Standards and Technology

NVI AP-01C (REV. 2006-09-13)



1250 Peterson Dr., Wheeling, IL 60090

Company: RF Technologies, Inc.  
Model Tested: 0800-0364  
Report Number: 14056

## 1.0 SUMMARY OF TEST REPORT

It was found that the Router, Model Number(s) 0800-0364, **meets** the radio interference Power Line Conducted and Radiated emission requirements of FCC "Rules and Regulations", Part 15, Subpart B, Sections 15.107a & 15.109a for Receivers and all other Unintentional Radiators.

## 2.0 INTRODUCTION

On March 27 & April 1, 2008, a series of radio frequency interference measurements was performed on Router, Model Number(s) 0800-0364, Serial Number: N/A. All tests were performed according to the procedures of the FCC as stated in the American National Standards Institute, ANSI C63.4-2003. These test procedures were performed by personnel of D.L.S. Electronic Systems, Inc. who are responsible to Donald L. Sweeney, Senior EMC Engineer.

## 3.0 OBJECT

The purpose of this series of tests was to determine if the test sample could meet the radio frequency emission requirements of the FCC Rules and Regulations, Part 15, Subpart B, Sections 15.107a & 15.109a for Receivers and all other Unintentional Radiators.

## 4.0 TEST FACILITY

All emission tests were performed at D.L.S. Electronic Systems, Inc. according to the American National Standards Institute, ANSI C63.4-2003.

D.L.S. Electronic Systems, Inc. is a full service EMC/Safety Testing Laboratory accredited to ISO 17025. NVLAP Certificate and Scope can be viewed at <http://www.dlsemc.com/certificate>. Our facilities are registered with the FCC, Industry Canada, and VCCI.



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## 5.0 TEST EQUIPMENT

A list of the test equipment used can be found in Table 1. All primary equipment was calibrated against known reference standards with a verified traceable path to NIST.

## 6.0 POWER LINE CONDUCTED EMISSION MEASUREMENTS

Power Line Conducted emissions were measured in accordance with the American National Standards Institute, ANSI C63.4-2003. Plots and tabular data can be viewed in Appendix A of this test report.

All test measurements were made at a screen room temperature of **70°F** at **26%** relative humidity.

## 7.0 RADIATED EMISSION MEASUREMENTS

All tests were performed according to the procedures of ANSI C63.4-2003. Plots and tabular data can be viewed in Appendix B of this test report.

### NOTE:

FCC Part 15.33b states that measurements shall be made up to the 5th harmonic of the highest clock or timing frequency of the EUT. The highest timing frequency in the Router is 32MHz. Therefore measurements were made up to 12750 MHz.

All radiated emissions measurements were made at a test room temperature of 70°F at 26% relative humidity.



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## 8.0 D.L.S. ELECTRONIC SYSTEMS, INC. MEASUREMENT UNCERTAINTY

Compliance with the limits in this standard are based on the results of the compliance measurement. Our calculated measurement uncertainty including the measurement instrumentation, associated connections between the various instruments in the measurement chain, and other contributions, are provided in this section of the test report.

<b>Line Conducted Uncertainty</b>		
		Uncertainty (+/- dB)
Contribution	Probability Distribution	150 kHz – 30 MHz
Combined Standard, Uncertainty	Normal	1.05
<b>Expanded Uncertainty</b>	<b>Normal (k-2)</b>	<b>2.10</b>

<b>Radiated Emission Uncertainty in MHz (1/4/08)</b>									
		(+/- dB)	(+/- dB)	(+/- dB)	(+/- dB)	(+/- dB)	(+/- dB)	(+/- dB)	(+/- dB)
Contribution	Probability Distribution	3M	3M	3M	3M	10 M	10 M	10 M	10 M
		30-100	100-700	700-1000	700-1000	30-100	100-700	700-1000	700-1000
Combined Standard Uncertainty	Normal	1.70	1.62	1.66	1.55	1.64	1.58	1.66	1.54
Expanded Uncertainty	Normal (k=2)	<b>3.40</b>	<b>3.23</b>	<b>3.33</b>	<b>3.11</b>	<b>3.29</b>	<b>3.16</b>	<b>3.31</b>	<b>3.09</b>



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## 9.0 DESCRIPTION OF TEST SAMPLE:

### 9.1 Description:

This test sample is a wireless transceiver device that receives signals from battery powered devices and transmits these signals to other test samples on route to a final destination. The test sample communicates with other routers to create a mesh of wireless connectivity.

### 9.2 PHYSICAL DIMENSIONS OF EQUIPMENT UNDER TEST

Length: 114mm x Width: 68mm x Height: 14mm

### 9.3 INTERNAL CLOCK FREQUENCIES:

32 MHz

### 9.4 DESCRIPTION OF ALL CIRCUIT BOARDS:

ZigBee Router PCB Assembly, Chipcon 0830-0076 Rev. A

## 10.0 MODIFICATIONS MADE TO EUT FOR EMC COMPLIANCE:

There were no additional descriptions noted at the time of test.

### NOTE:

Continuous Transmit, Low, Mid, and High channels. Tested with two different AC power adapters.





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## 11.0 CONCLUSION

It was found that the Router, Model Number(s) 0800-0364 **meets** the radio interference Power Line Conducted and Radiated emission requirements of FCC Rules and Regulations, Part 15, Subpart B, Sections 15.107a & 15.109a for Receivers and all other Unintentional Radiators.

## 12.0 PHOTO INFORMATION AND TEST SET-UP

Item 0 Router

Model Number: 0800-0364; Serial Number: N/A

Item 1 AC power adapter: Intelink Electronic model: ILD35-090200 or GlobTek model: GT-348-12-500R



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### 13.0 RADIATED PHOTOS TAKEN DURING TESTING



RADIATED FRONT



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### 13.0 RADIATED PHOTOS TAKEN DURING TESTING



RADIATED REAR



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#### 14.0 POWER LINE CONDUCTED PHOTOS TAKEN DURING TESTING





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TABLE 1 – EQUIPMENT LIST

Test Equipment	Manufacturer	Model Number	Serial Number	Frequency Range	Cal Due Dates
Receiver	Rohde & Schwarz	ESI 26	837491/010	20 Hz – 26 GHz	11/08
Receiver	Rohde & Schwarz	ESI 40	837808/006	20 Hz – 40 GHz	12/08
Preamp	R&S	TS-PR10	032001/005	1GHz-10GHz	1/08
Preamp	Miteq	MF-6D-010100-50 A	213976	10GHz-18GHz	5/08
Preamp	Miteq	AMF-8B-180265-40-10P-H/S	438727	18GHz-26GHz	9/08
RF Limiter	Electrometrics	EM-7600	706		1/09
Antenna	EMCO	3104C	97014785	20 MHz – 200 MHz	2/08
Antenna	EMCO	3146	97024895	200 MHz – 1 GHz	3/08
Horn Antenna	EMCO	3115	5731	1-18GHz	6/08
Horn Antenna	EMCO	3115	6204	1-18GHz	5/08
Horn Antenna	EMCO	3116	2549	18 – 40GHz	5/08
LISN	SOLAR	9252-50-R-24-BNC	961019		7/08

All primary equipment is calibrated against known reference standards with a verified traceable path to NIST.



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**APPENDIX A**

**CONDUCTED EMISSIONS DATA**

**AND**

**CHARTS TAKEN DURING TESTING**

**GLOBTEK SUPPLY**

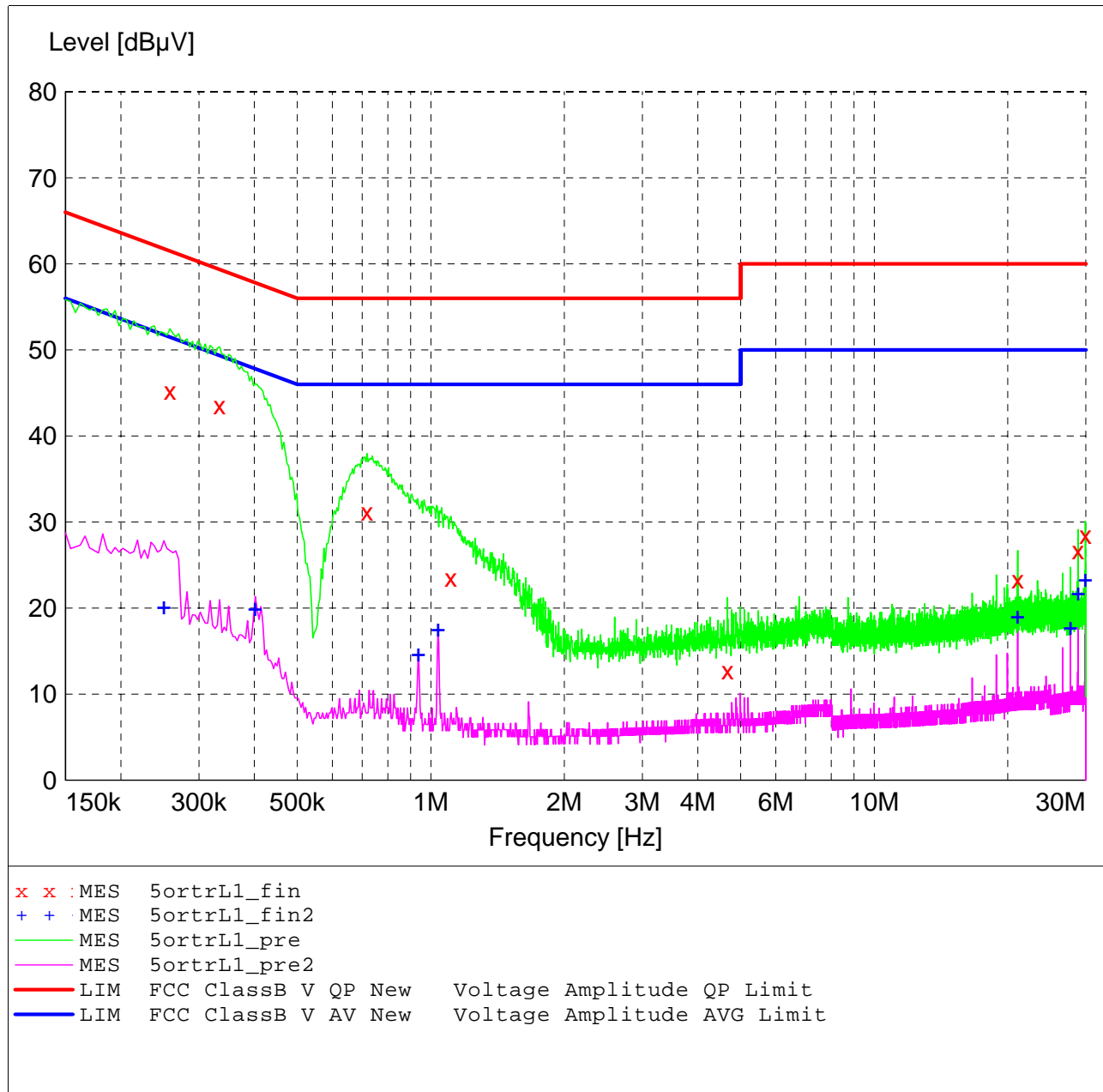
**FCC Part 15 Class B**

**Voltage Mains Test**

EUT: Router Model: 0800-0364 w/ GlobTek supply  
 Manufacturer: RF Technologies  
 Operating Condition: 70 deg. F, 26% R.H.  
 Test Site: DLS O.F. Site 1 (Screenroom)  
 Operator: Craig B  
 Test Specification: 120 V 60 Hz  
 Comment: Line 1  
 Date: 03-28-2008

**SCAN TABLE: "Line Cond Scrn RmFin"**

Short Description:		Line Conducted Emissions					Transducer
Start	Stop	Step	Detector	Meas. Time	IF Bandw.		
150.0 kHz	30.0 MHz	4.0 kHz	QuasiPeak	2.0 s	9 kHz	LISN DLS#128	
CISPR AV							



**MEASUREMENT RESULT: "5ortrL1\_fin"**

4/1/2008 1:38PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.258000	45.20	10.9	62	16.3	QP	---	---
0.334000	43.50	10.7	59	15.9	QP	---	---
0.718000	31.20	10.4	56	24.8	QP	---	---
1.110000	23.50	10.5	56	32.5	QP	---	---
4.666000	12.70	11.1	56	43.3	QP	---	---
21.066000	23.30	12.9	60	36.7	QP	---	---
28.830000	26.70	13.6	60	33.3	QP	---	---
29.938000	28.50	13.6	60	31.5	QP	---	---

**MEASUREMENT RESULT: "5ortrL1\_fin2"**

4/1/2008 1:38PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.250000	20.20	10.9	52	31.6	CAV	---	---
0.402000	20.00	10.6	48	27.8	CAV	---	---
0.938000	14.70	10.4	46	31.3	CAV	---	---
1.038000	17.60	10.5	46	28.4	CAV	---	---
21.066000	19.10	12.9	50	30.9	CAV	---	---
27.718000	17.80	13.5	50	32.2	CAV	---	---
28.830000	21.80	13.6	50	28.2	CAV	---	---
29.938000	23.40	13.6	50	26.6	CAV	---	---



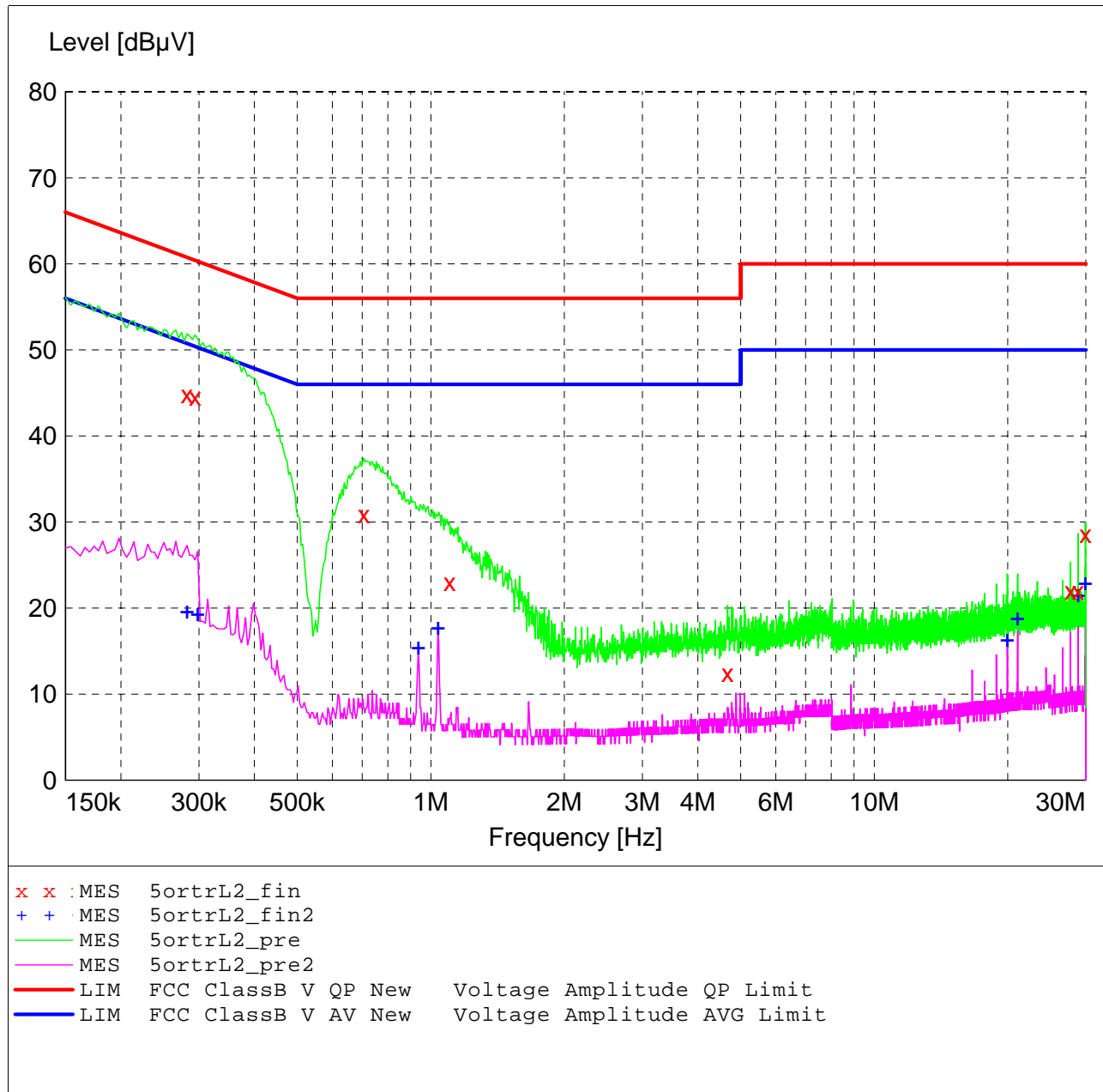
**FCC Part 15 Class B**

**Voltage Mains Test**

EUT: Router Model: 0800-0364 w/ GlobTek supply  
 Manufacturer: RF Technologies  
 Operating Condition: 70 deg. F, 26% R.H.  
 Test Site: DLS O.F. Site 1 (Screenroom)  
 Operator: Craig B  
 Test Specification: 120 V 60 Hz  
 Comment: Line 2  
 Date: 03-28-2008

**SCAN TABLE: "Line Cond Scrn RmFin"**

Short Description:		Line Conducted Emissions					Transducer
Start	Stop	Step	Detector	Meas. Time	IF Bandw.		
150.0 kHz	30.0 MHz	4.0 kHz	QuasiPeak	2.0 s	9 kHz	LISN DLS#128	
CISPR AV							



**MEASUREMENT RESULT: "5ortrL2\_fin"**

4/1/2008 1:45PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.282000	44.80	10.8	61	16.0	QP	---	---
0.294000	44.50	10.8	60	15.9	QP	---	---
0.706000	30.90	10.4	56	25.1	QP	---	---
1.102000	23.00	10.5	56	33.0	QP	---	---
4.670000	12.40	11.1	56	43.6	QP	---	---
27.722000	22.00	13.5	60	38.0	QP	---	---
28.834000	22.00	13.6	60	38.0	QP	---	---
29.938000	28.60	13.6	60	31.4	QP	---	---

**MEASUREMENT RESULT: "5ortrL2\_fin2"**

4/1/2008 1:45PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.282000	19.70	10.8	51	31.1	CAV	---	---
0.298000	19.40	10.8	50	30.9	CAV	---	---
0.938000	15.50	10.4	46	30.5	CAV	---	---
1.038000	17.80	10.5	46	28.2	CAV	---	---
19.958000	16.40	12.7	50	33.6	CAV	---	---
21.066000	18.90	12.9	50	31.1	CAV	---	---
28.830000	21.60	13.6	50	28.4	CAV	---	---
29.938000	23.00	13.6	50	27.0	CAV	---	---



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**APPENDIX A**

**CONDUCTED EMISSIONS DATA**

**AND**

**CHARTS TAKEN DURING TESTING**

**INTELINK SUPPLY**

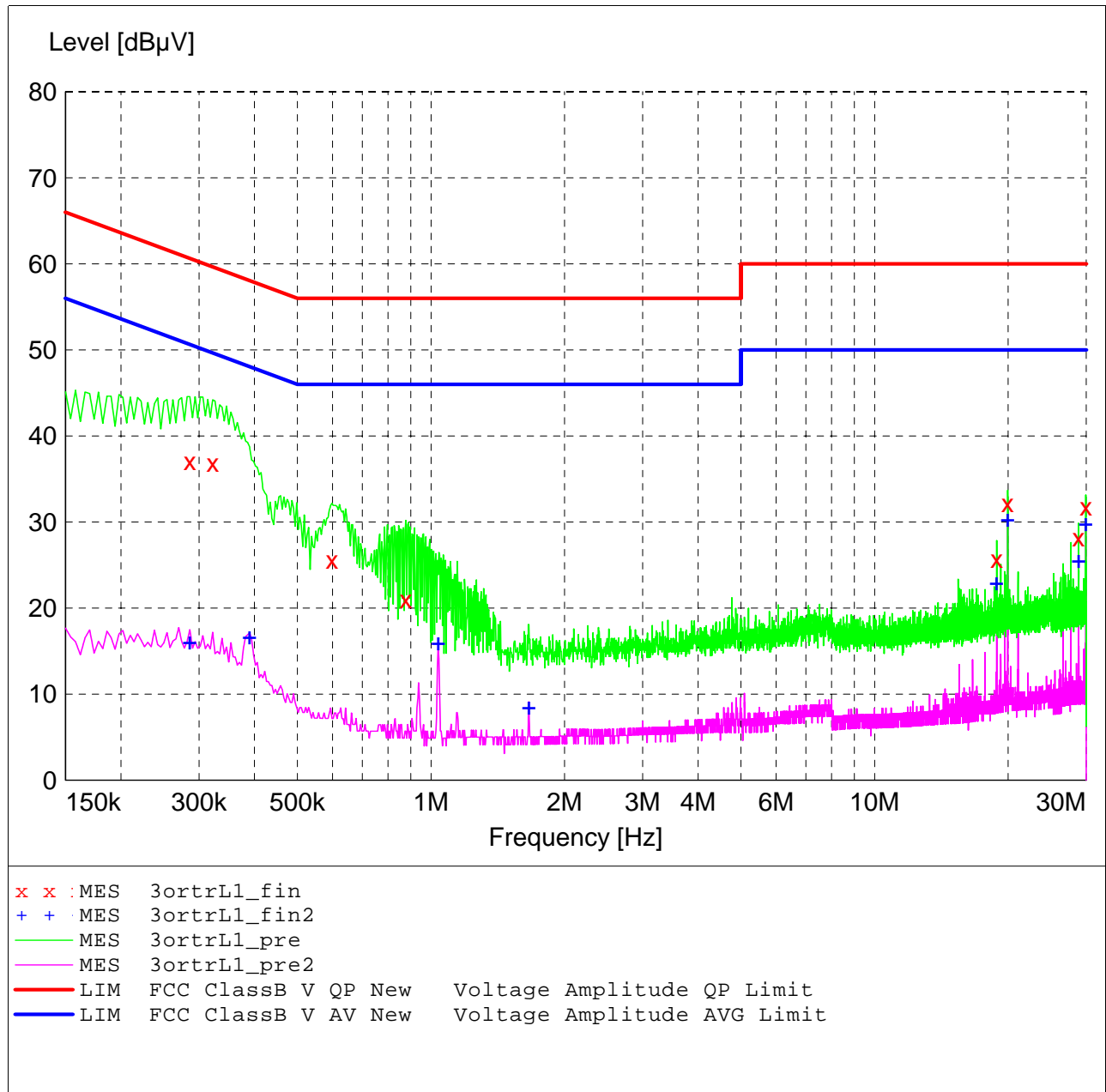
**FCC Part 15 Class B**

**Voltage Mains Test**

EUT: Router Model: 0800-0364 w/ Intelink supply  
 Manufacturer: RF Technologies  
 Operating Condition: 70 deg. F, 26% R.H.  
 Test Site: DLS O.F. Site 1 (Screenroom)  
 Operator: Craig B  
 Test Specification: 120 V 60 Hz  
 Comment: Line 1  
 Date: 03-28-2008

**SCAN TABLE: "Line Cond Scrn RmFin"**

Short Description:		Line Conducted Emissions					Transducer
Start	Stop	Step	Detector	Meas. Time	IF Bandw.		
150.0 kHz	30.0 MHz	4.0 kHz	QuasiPeak	2.0 s	9 kHz	LISN DLS#128	
CISPR AV							



**MEASUREMENT RESULT: "3ortrL1\_fin"**

3/28/2008 2:53PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.286000	37.10	10.8	61	23.5	QP	---	---
0.322000	36.90	10.7	60	22.8	QP	---	---
0.598000	25.60	10.4	56	30.4	QP	---	---
0.878000	21.00	10.5	56	35.0	QP	---	---
18.850000	25.70	12.5	60	34.3	QP	---	---
19.958000	32.20	12.7	60	27.8	QP	---	---
28.830000	28.20	13.6	60	31.8	QP	---	---
29.938000	31.80	13.6	60	28.2	QP	---	---

**MEASUREMENT RESULT: "3ortrL1\_fin2"**

3/28/2008 2:53PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.286000	16.10	10.8	51	34.5	CAV	---	---
0.390000	16.70	10.6	48	31.4	CAV	---	---
1.038000	16.00	10.5	46	30.0	CAV	---	---
1.662000	8.60	10.6	46	37.4	CAV	---	---
18.850000	23.00	12.5	50	27.0	CAV	---	---
19.958000	30.40	12.7	50	19.6	CAV	---	---
28.830000	25.60	13.6	50	24.4	CAV	---	---
29.938000	29.90	13.6	50	20.1	CAV	---	---

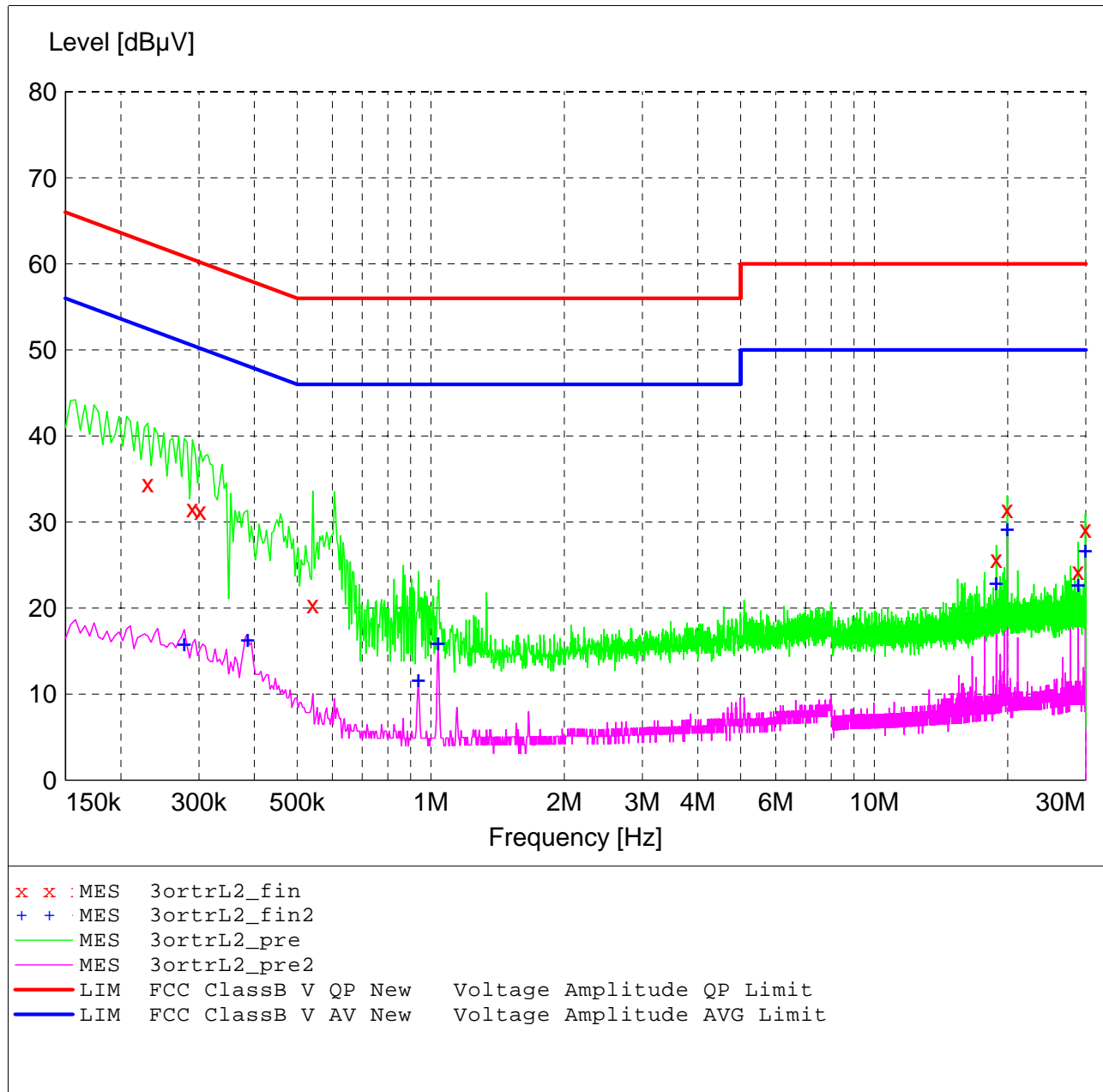
**FCC Part 15 Class B**

**Voltage Mains Test**

EUT: Router Model: 0800-0364 w/ Intelink supply  
 Manufacturer: RF Technologies  
 Operating Condition: 70 deg. F, 26% R.H.  
 Test Site: DLS O.F. Site 1 (Screenroom)  
 Operator: Craig B  
 Test Specification: 120 V 60 Hz  
 Comment: Line 2  
 Date: 03-28-2008

**SCAN TABLE: "Line Cond Scrn RmFin"**

Short Description:		Line Conducted Emissions					Transducer
Start	Stop	Step	Detector	Meas. Time	IF Bandw.		
150.0 kHz	30.0 MHz	4.0 kHz	QuasiPeak	2.0 s	9 kHz	LISN DLS#128	
CISPR AV							



**MEASUREMENT RESULT: "3ortrL2\_fin"**

3/28/2008 2:58PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.230000	34.50	11.0	62	27.9	QP	---	---
0.290000	31.60	10.8	61	28.9	QP	---	---
0.302000	31.30	10.8	60	28.9	QP	---	---
0.542000	20.40	10.5	56	35.6	QP	---	---
18.850000	25.70	12.5	60	34.3	QP	---	---
19.958000	31.50	12.7	60	28.5	QP	---	---
28.834000	24.30	13.6	60	35.7	QP	---	---
29.938000	29.20	13.6	60	30.8	QP	---	---

**MEASUREMENT RESULT: "3ortrL2\_fin2"**

3/28/2008 2:58PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.278000	15.90	10.8	51	35.0	CAV	---	---
0.386000	16.40	10.6	48	31.7	CAV	---	---
0.938000	11.70	10.4	46	34.3	CAV	---	---
1.038000	16.00	10.5	46	30.0	CAV	---	---
18.850000	23.00	12.5	50	27.0	CAV	---	---
19.958000	29.30	12.7	50	20.7	CAV	---	---
28.830000	22.80	13.6	50	27.2	CAV	---	---
29.938000	26.80	13.6	50	23.2	CAV	---	---



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Model Tested: 0800-0364  
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# APPENDIX B

RADIATED EMISSIONS DATA

AND

CHARTS TAKEN DURING TESTING



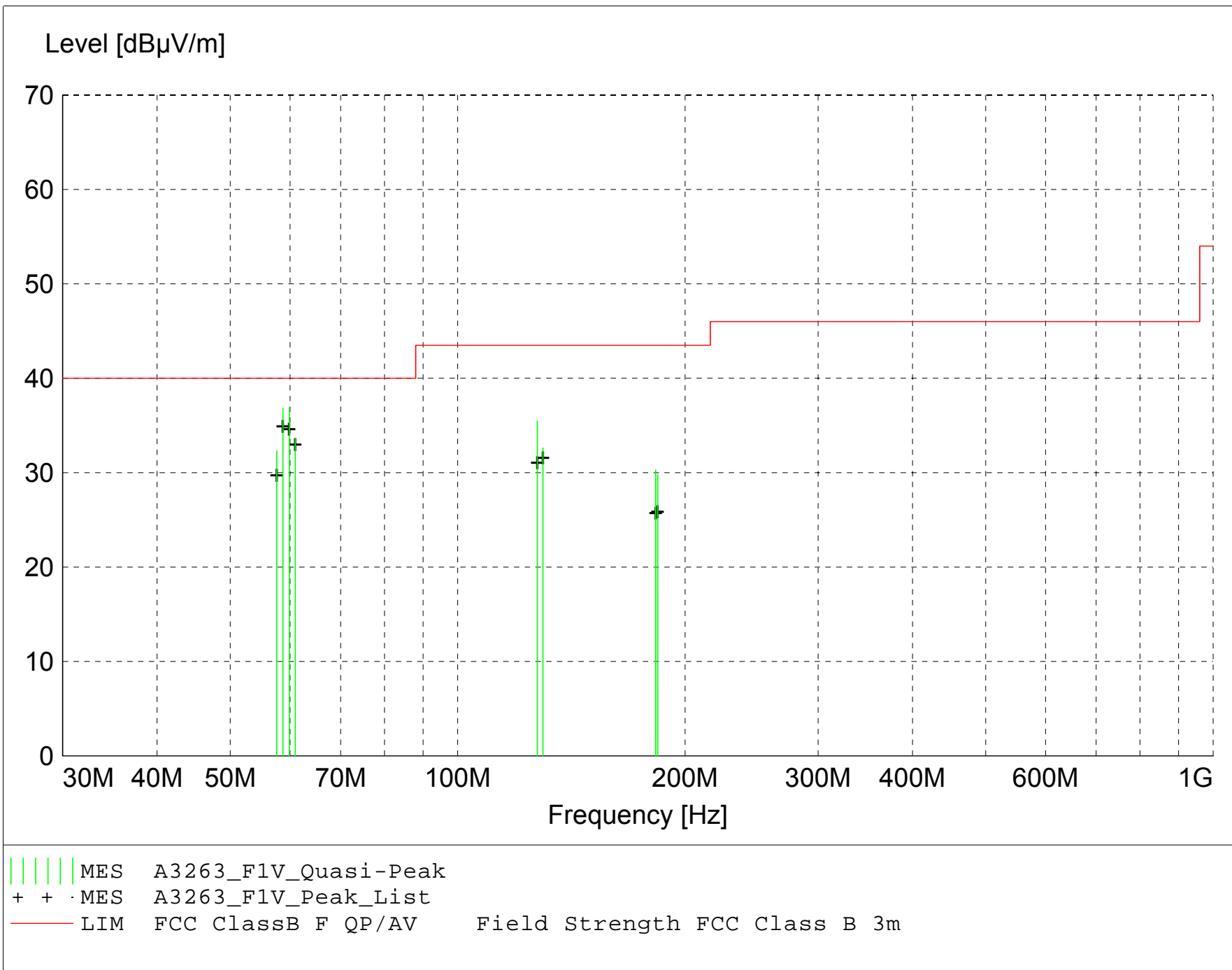
**FCC Part 15 Class B**

**Electric Field Strength**

EUT: Router Model: 0800-0364 (Intelink & GlobTek supplies)  
Manufacturer: RF Technologies  
Operating Condition: 70 deg. F; 31% R.H.  
Test Site: DLS O.F. Site 3  
Operator: Craig B  
Test Specification: 120 V 60 Hz  
Comment: Tx and Rx mode; Low, Mid, and High channels  
Date: 04-01-2008

**TEXT: "Site 3 MidV 3M"**

Short Description: Test Set-up Vert30-1000MHz  
TEST EQUIPMENT: Receiver --- Rohde&Schwarz ESI 40 SN: 837808/005  
  
Antennas ---  
Biconical -- EMCO 3104C SN: 9701-4785  
Log Periodic -- EMCO 3146 SN: 9702-4895  
  
Pre-Amp --- Rohde&Schwarz TS-PR10 SN: 032001/005  
  
TEST SET-UP: EUT Measured at 3 Meters with VERTICAL Antenna Polarization



**MEASUREMENT RESULT: "A3263\_F1V\_Final"**

4/1/2008 2:28PM

Frequency	Level	Antenna	System	Total	Limit	Margin	Height	EuT	Final	Comment
MHz	dBµV	Factor	Loss	Level	dBµV/m	dB	Ant.	Angle	Detector	
		dBµV/m	dB	dBµV/m	dBµV/m		m	deg		
59.845000	51.89	9.34	-24.3	36.9	40.0	3.1	1.00	110	QUASI-PEAK	None
58.715000	51.63	9.55	-24.3	36.9	40.0	3.1	1.00	110	QUASI-PEAK	None
60.945000	48.84	9.12	-24.3	33.7	40.0	6.3	1.00	110	QUASI-PEAK	None
57.620000	46.91	9.74	-24.3	32.3	40.0	7.7	1.00	110	QUASI-PEAK	None
127.455000	46.19	12.68	-23.4	35.5	43.5	8.0	1.00	0	QUASI-PEAK	None
129.680000	43.47	12.50	-23.4	32.6	43.5	10.9	1.00	0	QUASI-PEAK	None
182.875000	37.16	15.88	-22.8	30.3	43.5	13.2	1.00	190	QUASI-PEAK	None
183.980000	36.54	16.04	-22.8	29.8	43.5	13.7	1.00	190	QUASI-PEAK	None

**FCC Part 15 Class B**

**Electric Field Strength**

EUT: Router Model: 0800-0364 (Intelink & GlobTek supplies)  
Manufacturer: RF Technologies  
Operating Condition: 70 deg. F; 31% R.H.  
Test Site: DLS O.F. Site 3  
Operator: Craig B  
Test Specification: 120 V 60 Hz  
Comment: Tx and Rx mode; Low, Mid, and High channels  
Date: 04-01-2008

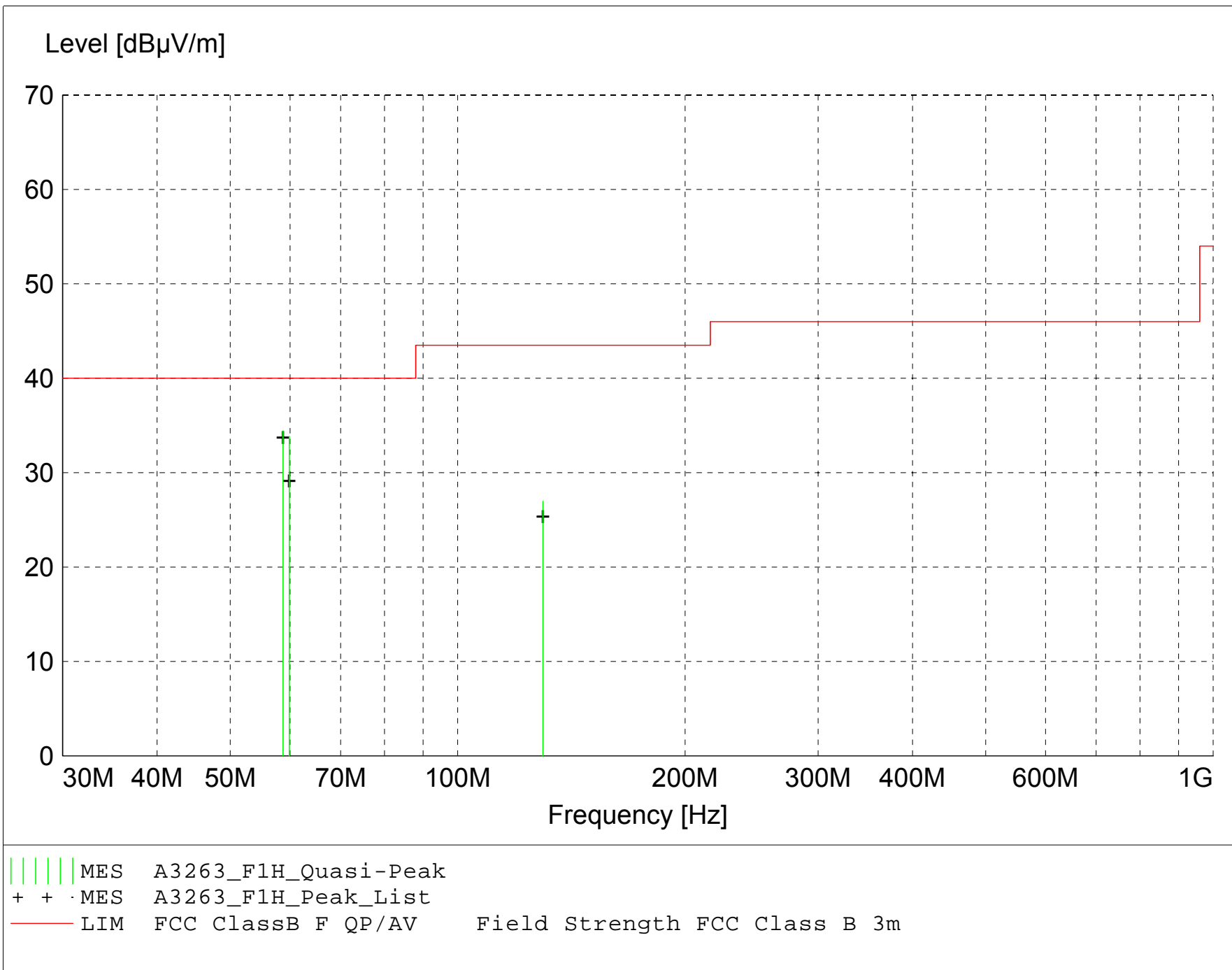
**TEXT: "Site 3 MidH 3M"**

Short Description: Test Set-up Horz30-1000MHz  
TEST EQUIPMENT: Receiver --- Rohde&Schwarz ESI 40 SN: 837808/005

Antennas ---  
Biconical -- EMCO 3104C SN: 9701-4785  
Log Periodic -- EMCO 3146 SN: 9702-4895

Pre-Amp --- Rohde&Schwarz TS-PR10 SN: 032001/005

TEST SET-UP: EUT Measured at 3 Meters with HORIZONTAL Antenna Polarization



**MEASUREMENT RESULT: "A3263\_F1H\_Final"**

4/1/2008 2:26PM

Frequency	Level	Antenna	System	Total	Limit	Margin	Height	EuT	Final	Comment
MHz	dB $\mu$ V	Factor	Loss	Level	dB $\mu$ V/m	dB	Ant.	Angle	Detector	
		dB $\mu$ V/m	dB	dB $\mu$ V/m	dB $\mu$ V/m		m	deg		
58.730000	49.22	9.55	-24.3	34.4	40.0	5.6	3.20	180	QUASI-PEAK	None
59.845000	48.83	9.34	-24.3	33.9	40.0	6.1	3.20	200	QUASI-PEAK	None
129.680000	37.82	12.50	-23.4	27.0	43.5	16.5	1.50	80	QUASI-PEAK	None

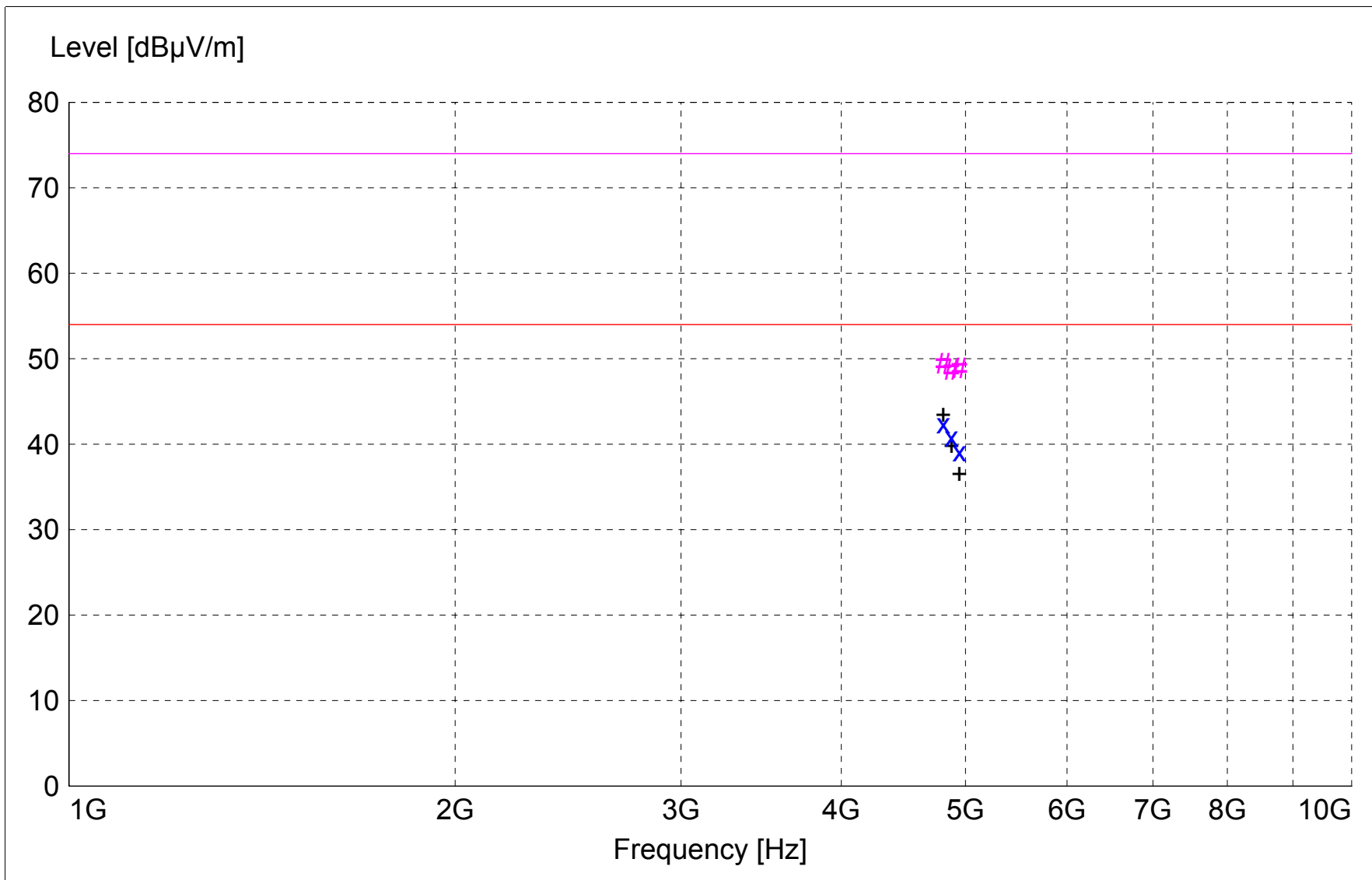
**FCC Part 15 Class B**

**Electric Field Strength**

EUT: Router Model: 0800-0364  
Manufacturer: RF Technologies  
Operating Condition: 70 deg. F; 26% R.H.  
Test Site: DLS O.F. Site 3  
Operator: Craig B  
Test Specification: 120 V 60 Hz  
Comment: Receive mode; Low, Mid, and High channels  
Date: 03-27-2008

**TEXT: "Site 3 5731&106 V3M"**

Short Description: Test Set-up Vert1GHz-  
TEST EQUIPMENT: Receiver --- Rohde&Schwarz ESI 40 SN: 837808/006  
  
Horn Antenna --- EMCO 3115 SN: 9903-5731  
  
Pre-Amps ---  
1 - 10 GHz -- Miteq AMF-6B-100200-50 SN: 313936  
10 - 18 GHz -- Miteq AMF-6D-010100-50 SN: 213976  
  
TEST SET-UP: EUT Measured at 3 Meters with VERTICAL Antenna Polarization



```

x x :MES A3261_sv_Average
# # :MES A3261_sv_Peak
+ + :MES A3261_sv_Peak_List
— LIM FCC ClassB F QP/AV Field Strength FCC Class B 3m
— LIM FCC ClassB F Peak Field Strength FCC Class B 3m

```



**MEASUREMENT RESULT: "A3261\_sv\_Final"**

3/27/2008 9:46AM

Frequency	Level	Antenna	System	Total	Limit	Margin	Height	EuT	Final	Comment
MHz	dBµV	Factor	Loss	Level	dBµV/m	dB	Ant.	Angle	Detector	
		dBµV/m	dB	dBµV/m	dBµV/m		m	deg		
4806.000000	43.95	32.81	-34.4	42.4	54.0	11.6	1.00	0	AVERAGE	Low ch
4876.000000	42.15	32.95	-34.2	40.9	54.0	13.1	1.10	15	AVERAGE	Mid ch
4946.000000	40.19	33.09	-34.2	39.1	54.0	14.9	1.10	350	AVERAGE	High ch
4806.000000	50.96	32.81	-34.4	49.4	74.0	24.6	1.00	0	MAX PEAK	Low ch
4946.000000	49.93	33.09	-34.2	48.8	74.0	25.2	1.10	350	MAX PEAK	High ch
4876.000000	49.93	32.95	-34.2	48.7	74.0	25.3	1.10	15	MAX PEAK	Mid ch

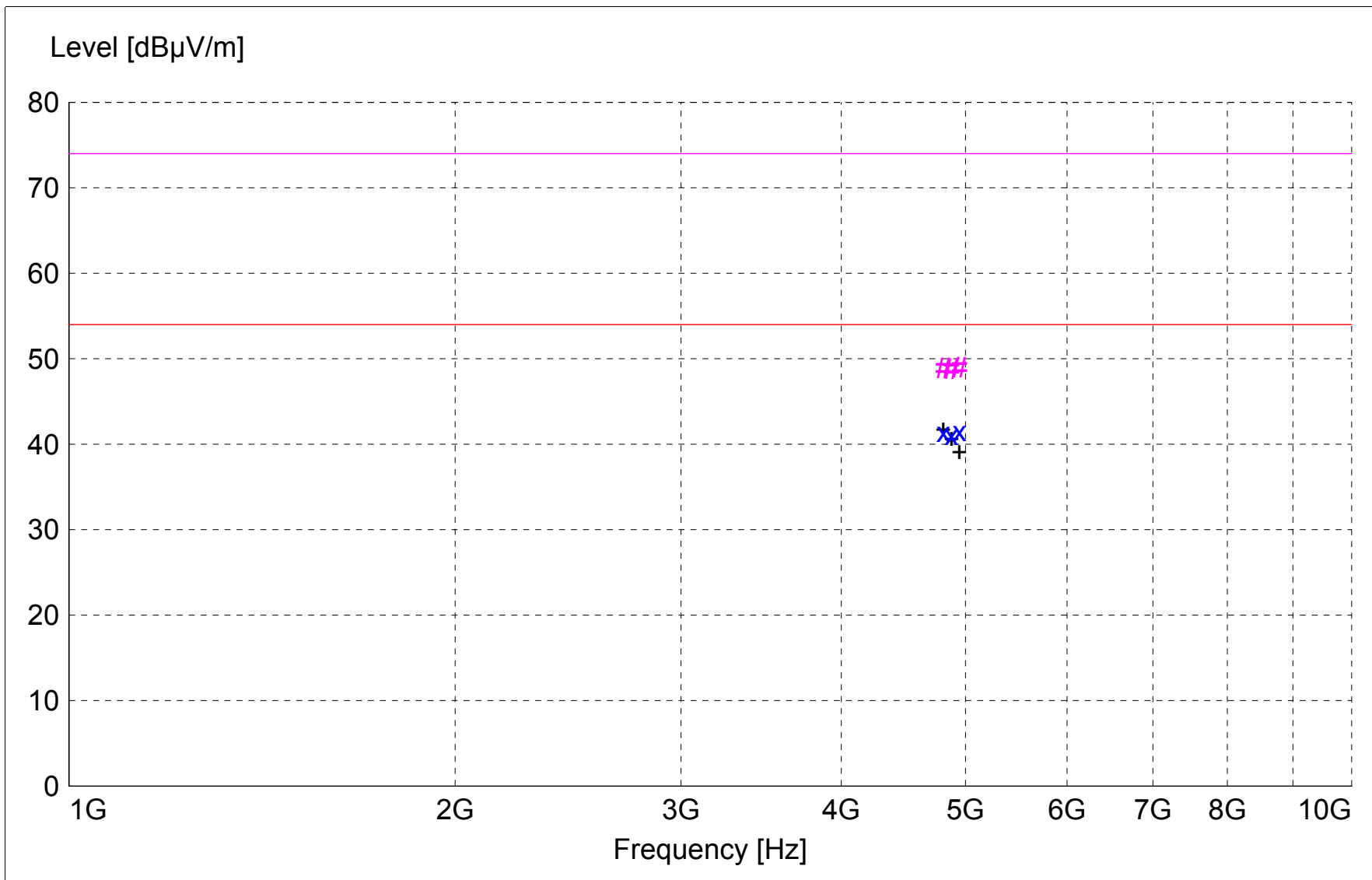
**FCC Part 15 Class B**

**Electric Field Strength**

EUT: Router Model: 0800-0364  
Manufacturer: RF Technologies  
Operating Condition: 70 deg. F; 26% R.H.  
Test Site: DLS O.F. Site 3  
Operator: Craig B  
Test Specification: 120 V 60 Hz  
Comment: Receive mode; Low, Mid, and High channels  
Date: 03-27-2008

**TEXT: "Site 3 5731&106 H3M"**

Short Description: Test Set-up Horz1GHz-  
TEST EQUIPMENT: Receiver --- Rohde&Schwarz ESI 40 SN: 837808/006  
  
Horn Antenna --- EMCO 3115 SN: 9903-5731  
  
Pre-Amps ---  
1 - 10 GHz -- Miteq AMF-6D-010100-50 SN: 213976  
10 - 18 GHz -- Miteq AMF-6B-100200-50 SN: 313936  
  
TEST SET-UP: EUT Measured at 3 Meters with HORIZONTAL Antenna Polarization



```

x x :MES  A3261_sh_Average
# # :MES  A3261_sh_Peak
+ + :MES  A3261_sh_Peak_List
— — :LIM  FCC ClassB F QP/AV   Field Strength FCC Class B 3m
— — :LIM  FCC ClassB F Peak   Field Strength FCC Class B 3m

```

**MEASUREMENT RESULT: "A3261\_sh\_Final"**

3/27/2008 9:53AM

Frequency	Level	Antenna	System	Total	Limit	Margin	Height	EuT	Final	Comment
MHz	dBµV	Factor	Loss	Level	dBµV/m	dB	Ant.	Angle	Detector	
		dBµV/m	dB	dBµV/m			m	deg		
4946.000000	42.62	33.09	-34.2	41.5	54.0	12.5	1.40	330	AVERAGE	High ch
4806.000000	43.00	32.81	-34.4	41.4	54.0	12.6	1.10	170	AVERAGE	Low ch
4876.000000	42.32	32.95	-34.2	41.1	54.0	12.9	1.10	120	AVERAGE	Mid ch
4946.000000	50.04	33.09	-34.2	49.0	74.0	25.0	1.40	330	MAX PEAK	High ch
4806.000000	50.45	32.81	-34.4	48.9	74.0	25.1	1.10	170	MAX PEAK	Low ch
4876.000000	50.06	32.95	-34.2	48.8	74.0	25.2	1.10	120	MAX PEAK	Mid ch

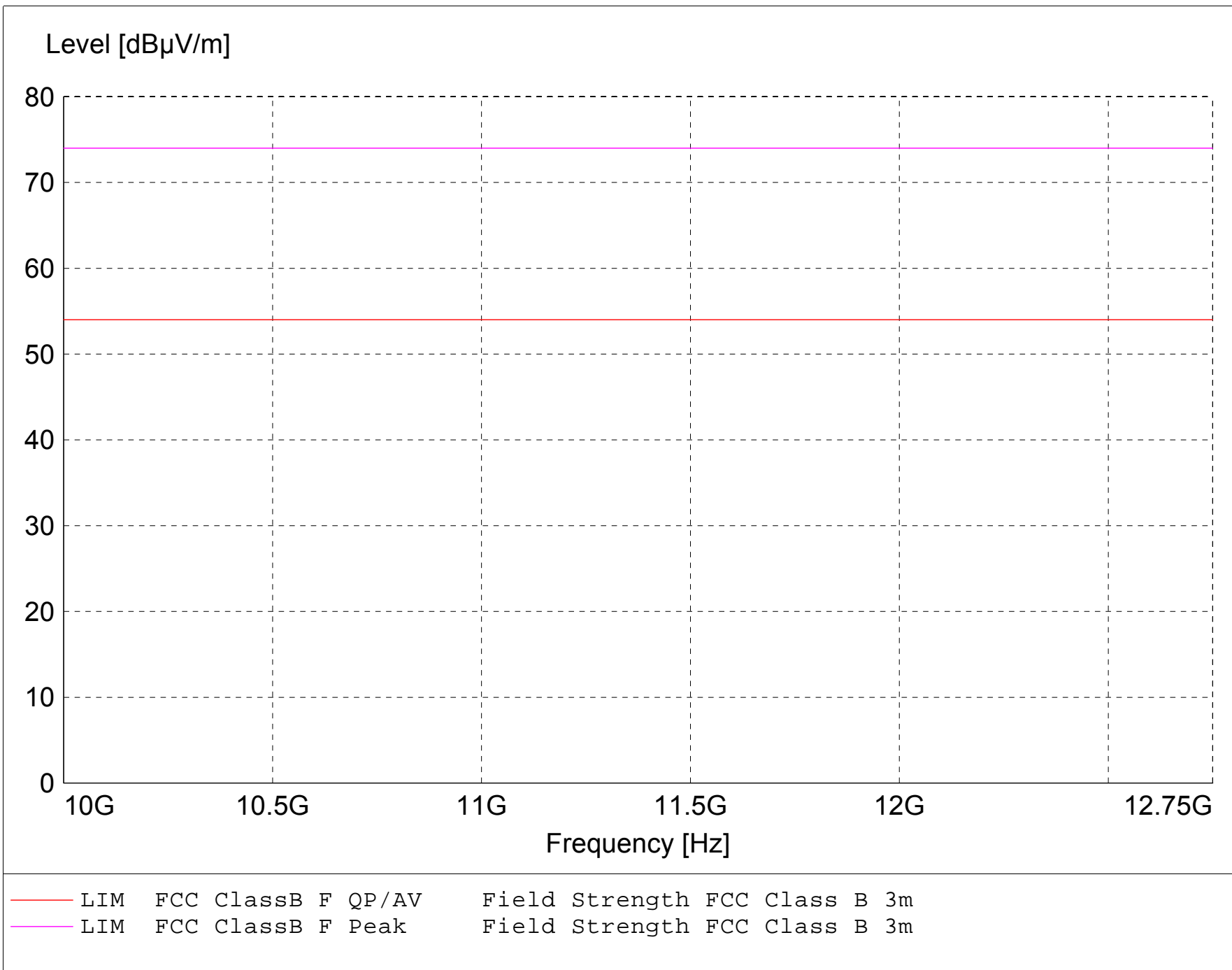
**FCC Part 15 Class B**

**Electric Field Strength**

EUT: Router Model: 0800-0364  
Manufacturer: RF Technologies  
Operating Condition: 70 deg. F; 26% R.H.  
Test Site: DLS O.F. Site 3  
Operator: Craig B  
Test Specification: 120 V 60 Hz  
Comment: Receive mode; Low, Mid, and High channels  
Date: 03-27-2008

**TEXT: "Site 3 5731&106 V3M"**

Short Description: Test Set-up Vert1GHz-  
TEST EQUIPMENT: Receiver --- Rohde&Schwarz ESI 40 SN: 837808/006  
  
Horn Antenna --- EMCO 3115 SN: 9903-5731  
  
Pre-Amps ---  
1 - 10 GHz -- Miteq AMF-6B-100200-50 SN: 313936  
10 - 18 GHz -- Miteq AMF-6D-010100-50 SN: 213976  
  
TEST SET-UP: EUT Measured at 3 Meters with VERTICAL Antenna Polarization



**FCC Part 15 Class B**

**Electric Field Strength**

EUT: Router Model: 0800-0364  
Manufacturer: RF Technologies  
Operating Condition: 70 deg. F; 26% R.H.  
Test Site: DLS O.F. Site 3  
Operator: Craig B  
Test Specification: 120 V 60 Hz  
Comment: Receive mode; Low, Mid, and High channels  
Date: 03-27-2008

**TEXT: "Site 3 5731&106 H3M"**

Short Description: Test Set-up Horz1GHz-  
TEST EQUIPMENT: Receiver --- Rohde&Schwarz ESI 40 SN: 837808/006  
Horn Antenna --- EMCO 3115 SN: 9903-5731  
Pre-Amps ---  
1 - 10 GHz -- Miteq AMF-6D-010100-50 SN: 213976  
10 - 18 GHz -- Miteq AMF-6B-100200-50 SN: 313936  
TEST SET-UP: EUT Measured at 3 Meters with HORIZONTAL Antenna Polarization

