

## **FCC Part 15, Subpart B, Class B, Conducted Emissions Test Method**

1. The satellite radio receiver was tested at Retlif Testing Laboratories.
2. The spectrum analyzer was configured to display the frequency range of 0.15 to 30 MHz.
3. The spectrum analyzer was then configured to attain a max hold trace of the Hot lead in the 0.15 to 30 MHz frequency band utilizing a peak detector function.
4. The attained peak data was then compared to the average specified limit. If the obtained data was found to be in compliance with the average limit, then the test sample was found to comply.
5. If the obtained data did not comply with the average limit the scan was repeated utilizing a CISPR compliant receiver with a Quasi-Peak detector.
6. The attained Quasi-Peak data was then compared to the average specified limit. If the obtained data was found to be in compliance with the average limit, then the test sample was found to comply.
7. If the obtained data did not comply with the average limit step 5 was repeated utilizing an average detector.
8. The attained average data was then compared to the average specified limit. If the obtained data was found to be in compliance with the average limit, then the test sample was found to comply.
9. Steps 3 through 7 were repeated for each remaining lead of the EUT.

### **Test Results**

No emissions which exceeded the specified limits were observed and the EUT was found to comply with the requirements specified for this method.

See the following four (4) data sheets for a full presentation of the results obtained.



**Retlif Testing Laboratories**

Test Results No. R-11574-4

15.107(a), Conducted Emissions  
Home Cradle Test Data

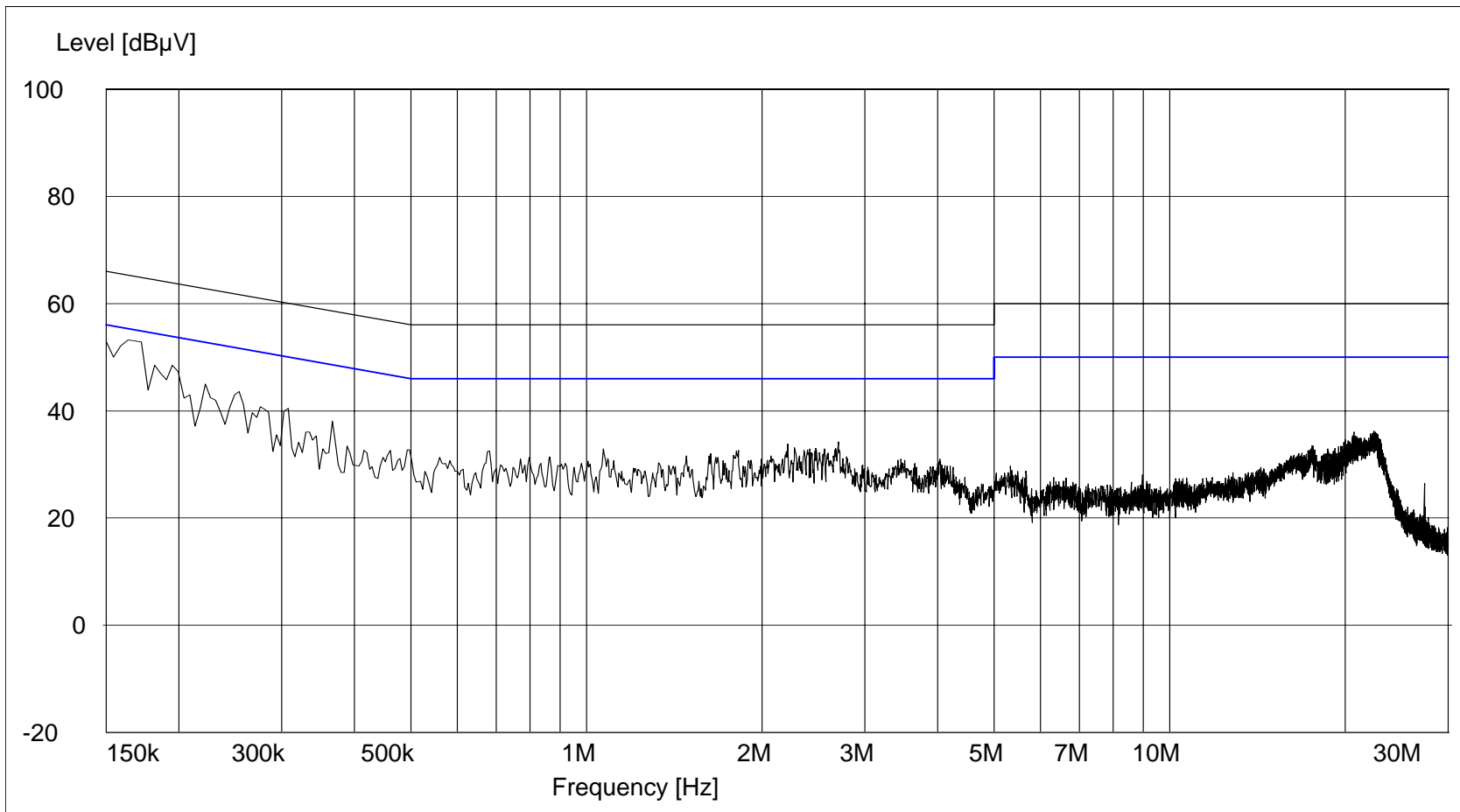


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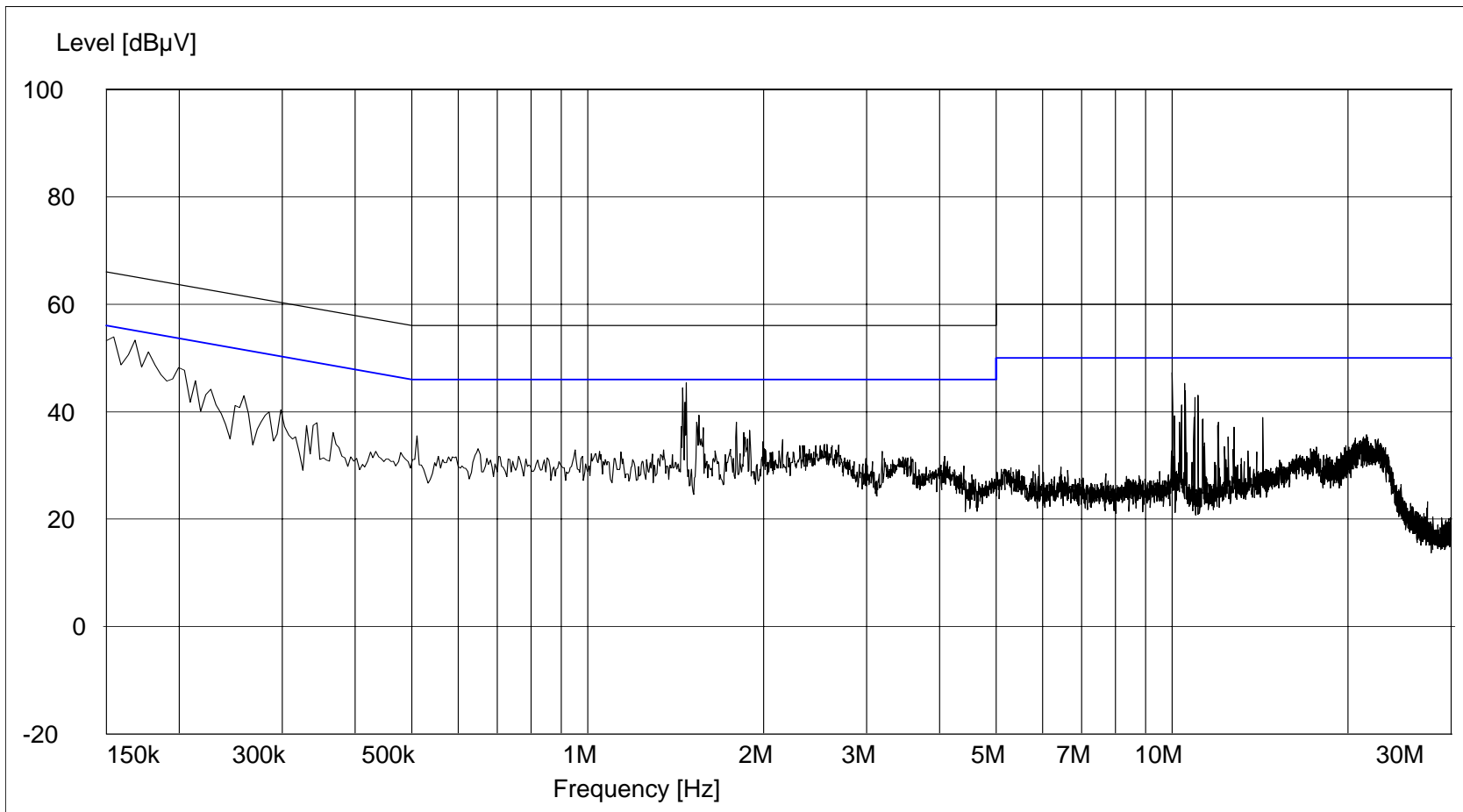
**RETLIF Testing Laboratories, Job Number R-11574-4**  
**FCC Part 15, Subpart B, Conducted Emissions, 150 kHz to 30 MHz**

Customer: XM Radio  
Test Sample: XM Radio Receiver containing an 88 to 108 MHz power Transmitter S/N: URTXG08A  
Brandname: Roady Xt  
Model Number: SA10177  
Test Specification: FCC Part 15, Subpart B, Class B  
Mode of Operation: Powered on without receiving Satellite Radio signal.  
Technician: D. Lerner  
Lead Tested: Hot input to AC power adapter, powered with 120 VAC, 60 Hz.  
Test Date: August 24, 2006  
Detector / Notes: Peak detector passes average limit. RBW=9 kHz, VBW=30 kHz.



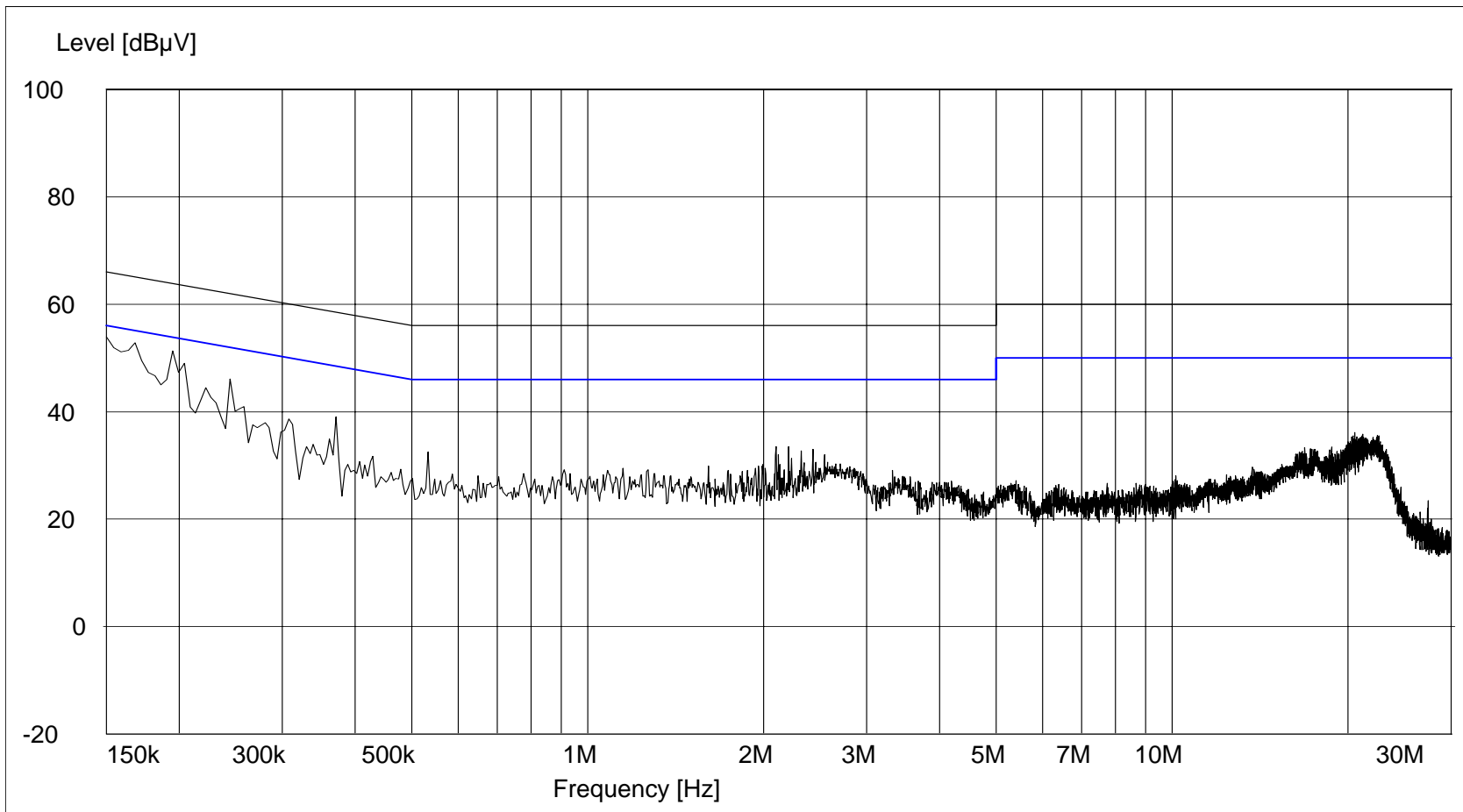
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Mode of Operation: Receiving an XM satellite radio signal then send the audio out to support stereo speakers.  
Technician: D. Lerner  
Lead Tested: Hot input to AC power adapter, powered with 120 VAC, 60 Hz.  
Test Date: August 24, 2006  
Detector / Notes: Peak detector passes average limit. RBW=9 kHz, VBW=30 kHz.



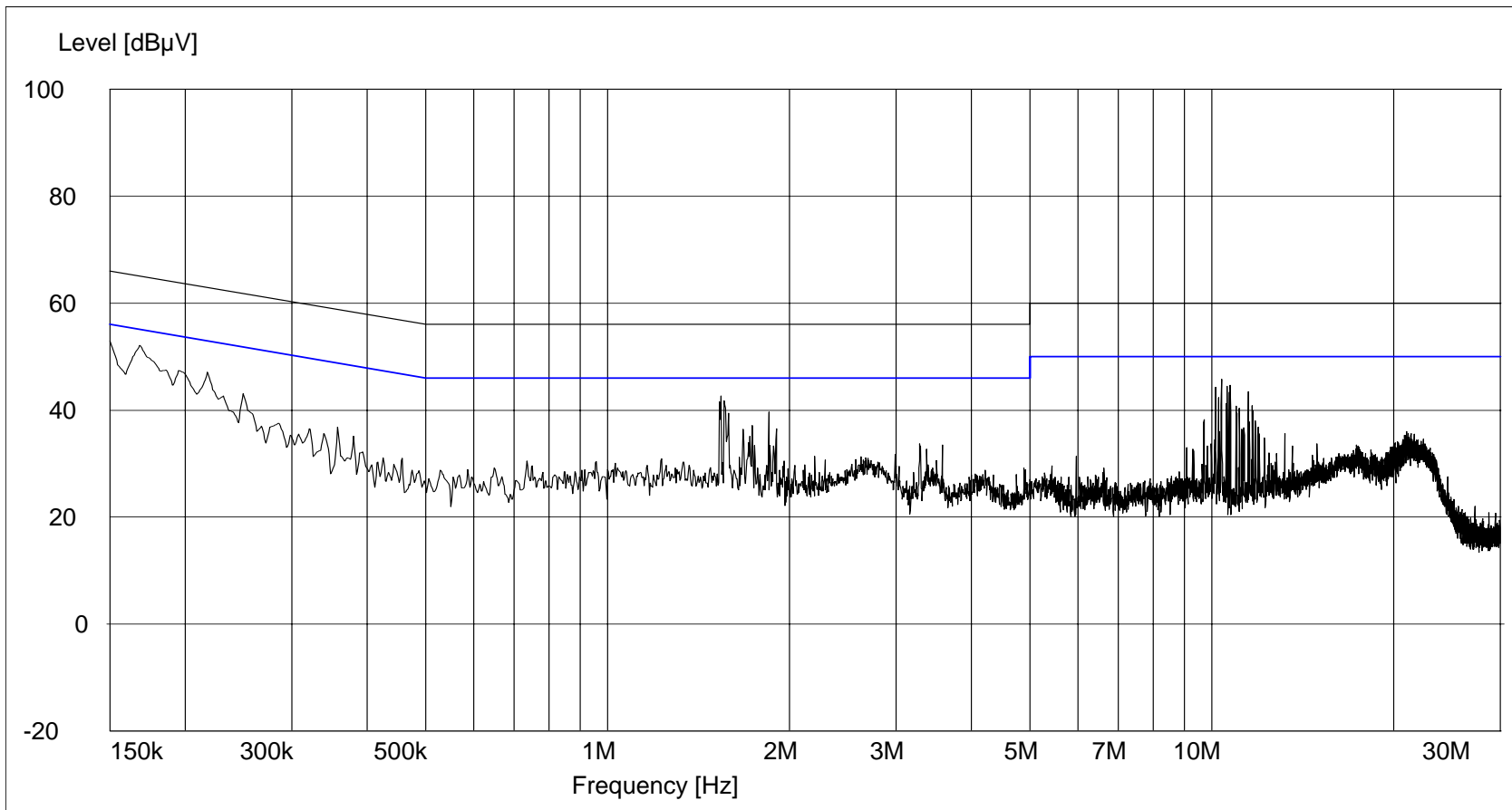
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## EQUIPMENT LIST

### FCC Part 15,Subpart B, Conducted Emissions, 150 kHz to 30 MHz

<b>EN</b>	<b>Type</b>	<b>Manufacturer</b>	<b>Description</b>	<b>Model No.</b>	<b>Cal Date</b>	<b>Due</b>
078	LISN	Solar Electronics	10 kHz - 30 MHz	8028-50-TS24BNC	6/29/2006	6/29/2007
079	LISN	Solar Electronics	10 kHz - 30 MHz	8028-50-TS24BNC	6/29/2006	6/29/2007
456	LISN	Solar Electronics	DC - 60 Hz	9409-50-R-24	10/28/2005	10/28/2006
712	EMI Test Receiver	Rohde & Schwarz	20 Hz - 26.5 GHz	ES126	10/15/2005	10/15/2006
829	10 DB Atten. (50 ohm)	Narda	DC - 11 GHz, 20W	768-10	5/18/2006	5/18/2007



**Retlif Testing Laboratories**

Test Results No. R-11574-4

**Test Setup Photographs  
Conducted Emissions**



Conducted Emissions Test Setup, View 1



Conducted Emissions Test Setup, View 2



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