

XM Satellite Radio Inc Additional Information
Provided in Response to ATCB Questions 1-6 dated July 25, 2006
FCC ID RS2XMRC1
July 28, 2007

- 1) Please provide test setup photographs as a separate attachment. This has not yet been received.
[Photos have been striped out of report and made separate attachment. Revised test report and test photos have been uploaded to ATCB.](#)
- 2) Typically the report explains manipulation of the coupler relative to the antenna feed point. My understanding is that positioning of this affects the results and should be explored. However the report does not make mention of this fact.
[This was explained in paragraph 7.6. The revised test report keeps the same text but breaks the paragraph up to better show this. The revised test report has been uploaded to ATCB as Rev1.](#)
- 3) Generally a block diagram or similar information has been provided showing the setup, cabling, impedances for terminations or connections to the antennas to effectively document the test setups involved with this device. Please provide appropriate information to accurately document setup.
[Test diagrams per the XM test plan and the test method used have been added to the revised test report.](#)
- 4) Bandwidth procedure mentions peak detector and max hold. However plots appear to show averaging information near the top (#Avg Type: Pwr(RMS) and Avg|Hold:> 100/100). It is uncertain what detector was used. Please clarify, detail, and or correct if necessary.
[The spectrum analyzer used was set to Max hold and Peak detector as shown in the top right corner of the display. The Avg type and Avg. Hold displayed are not applicable to this setup. These are only used if an average detector were selected. This explanation has been added to the test report in Section 7.2.](#)
- 5) General measurement procedures appear to suggest Dipole antennas were used for final measurements. Although all tests can not be confirmed, at least In-situ was performed with broadband antennas. Test procedure should reflect this. Additionally, please update the equipment list as needed for this antenna.
[The general measurement procedure has been updated along with the test equipment list.](#)
- 6) The Permit but Ask information cites the report shows the lab checked/measured the tuning range as the FCC requires. However this was not found in the test report – please update.
[This information has been added to Section 7.2 of the revised test report.](#)