

XM Satellite Radio Inc Additional Information
Provided in Response to ATCB Questions 1-11 of 15 dated April 11, 2006
FCC ID RS2XMCK20
April 12, 2007

Q1) The application appears to support 2 different cradles, but complete external photos were not provided for one cradle. Please review/update as necessary.

A1) [The additional external photos for the second cradle were uploaded on 4/12/2007.](#)

Q2) Internal photographs must include photographs underneath all shields as well. Please update the photographs to show this.

A2) [The internal photographs showing circuitry underneath shields were uploaded on 4/12/2007.](#)

Q3) Internal photographs for one cradle appear to be missing. Please provide.

A3) [The internal photographs for the missing Xpress car cradle were uploaded on 4/12/2007.](#)

Q4) Labeling exhibit should also include information to show the placement of the label on the device. Please update this exhibit to include this.

A4) [The labeling exhibit showing placement of the label was included with the Xpress-R external photo package. The relevant labeling exhibit photo was separated from the package and uploaded on 4/12/2007.](#)

Q5) Please explain the size of the EUT. Normally the FCC 2 part statement of 15.19(a)(3) is necessary to place on the device unless it is smaller than 8x10 cm. Please explain.

A5) [The EUT dimension is approximately 4.8 x 9.8 cm and thus smaller than the FCC minimum requirement for the 2 part statement.](#)

Q6) The application appears to support 2 different cradles, but complete schematics were not provided for one cradle. Please review/update as necessary.

A6) [The additional schematics for the different cradles were uploaded on 4/12/2007. They include the Xpress home and car cradle schematics \(internal product name "Rocky"\).](#)

Q7) For clarity, please include photographs of the direct connect accessory.

A7) [The photograph for the FM Direct Connect accessory was uploaded on 4/12/2007.](#)

Q8) Diagram 1 in the test photographs appears to only be relevant to one configuration. This needs to be updated or an additional diagram may need to be added. Please review.

A8): Diagram 1 depicts the same test setup configuration for the 3 different test setups. The FAU Test Report Rev 1 was uploaded and contains the following edit:

EUT was evaluated with different types of home cradles and AC power adapters. The home cradle test was performed using the following combinations:

- Xpress-R in a Universal Home Cradle, using a PHIHONG (Model No.: PSM08A-052) wall adapter
- Xpress-R in a Universal Home Cradle, using an ITI (Model No.: SMPS5V2A-XM) wall adapter
- Xpress-R in an Xpress Home Cradle, using an ITI (Model No.: SMPS5V2A-XM) wall adapter

Note: Diagram 1 below and Photograph 3 in the document 07-027ph depict the test setup for all 3 combinations listed above.

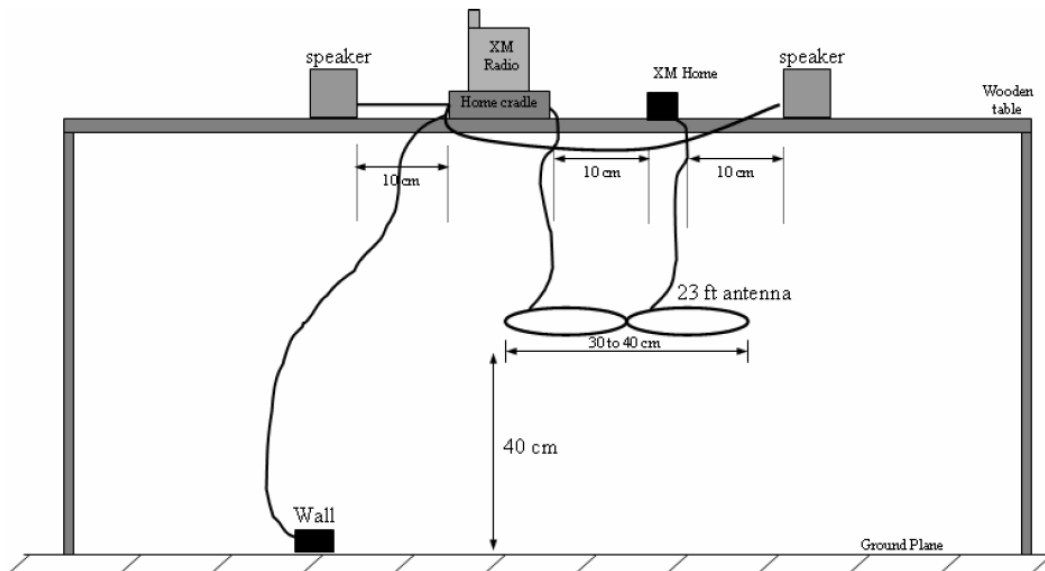


Diagram 1: Home Cradle Radiated Emissions Setup

Q9) Diagram 5 in the test report appears to only be relevant to one configuration. This needs to be updated or an additional diagram may need to be added. Please review.

A9): The revised test report (REV1) was uploaded which includes an additional Diagram 5A showing the alternate configuration.

Q10) Test Report pages 3 and 4 do not appear to address the various docking cradles. Please review.
A10): Test report pages 3 and 4 were updated to represent the testing done for various docking cradles.
The revised test report (Rev-1) was uploaded on 4/12/2007.

Q11) Correction factors for chamber measurements appear to be a negative value and possibly equivalent to in-situ testing, yet the test equipment for this method does not list an amplifier.
Please explain.

A11): An amplifier was used in the chamber measurements and the FAU has added the device to the equipment list on page 67 of the revised Xpress-R FAU test report uploaded as Rev-1 on 4/12/2007.