

# XM Satellite Radio, Inc

RE: XM Satellite Radio, Inc.

FCC ID: RS2SA10177B

Please review the answer below:

6) It does not appear that the area underneath the white coverings was shown in the internal photographs. Please update.

Answer: Please see attached documents

7) Please provide information to explain the absolute lowest and highest TX frequencies available in the device.

Answer: The unit has the operates from 88.1 to 107.9 MHz

8) This device appears to be a larger unit. Generally the FCC has stated that devices larger than 8 x 10 cm require the 2 part FCC statement (15.19(a)(3)) to be placed on the device and not just in the manual. Please review/correct as necessary.

Answer: This device is actually 5.5 x 9.5 cm. A device with the exact mechanical configuration has been certified in the past without this statement on the unit label due to the size constraint.

9) Page 16 of the users manual appears to mention a "built in" FM Transmitter. "Built in" tends to imply the antenna is internal to the device. Please review/explain and/or correct as necessary.

Answer: This language is based on a marketing decision regarding the best method for describing the FM modulator feature. The "built in" portion is limited to the FM modulator circuitry and does not include any radiating element.

10) The manual mentions Audio Level adjustment (page 17 levels). Please comment on how this was adjusted to ensure maximum levels during testing (drive levels, etc.). Please ensure both radiated and occupied bandwidth tests have been performed utilizing maximum user controllable drive levels.

Answer: In all cases, the audio levels were set to maximum.

11) Generally the FCC expects all inputs and outputs to be filled during testing and following published requirements of ANSI C63.4. For radiated tests, please define what ports were utilized and justify as appropriate why certain ports may not be filled (i.e. there is a concern with the audio ports) Please explain, justify, or correct.

Answer: The audio port is an output for connecting to the auxialry audio input of a vehicle radio this was not used since use of this port disables the FM modulator

12) It is uncertain if cables were manipulated in effort to obtain worse case data. Has cable placement been explored?

Answer: Cable placement was randomly peaked at each test frequency tested.

13) Please define the RBW/VBW settings utilized for AC powerline conducted tests.

Answer: Conducted emission measurements were made with quasi peak adapter; RBW = VBW = 9 kHz.

14) FYI.....Regarding short term confidentiality, you are responsible for the following: a) Note that any documents held under the short-term confidentiality will automatically become public after 45 days. A manufacturer may extend this period up to an additional 45 days. This requires an additional cover letter requesting this extension must be submitted to ATCB a minimum of 7 days prior to the expiration of the original 45 day temporary grant of confidentiality b) If the manufacturer engages in public marketing activities or otherwise publicizes the device prior to the expiration of the short-term confidentiality period, the applicant must immediately notify ATCB so the exhibits can be made publicly available.

15) FYI..... Please note that once the review is complete, we are required to work with the FCC to release the grants. We must rely on the FCC to release locked FCC ID's in order to do this. Please note that depending on when reviews are actually completed, there may be a delay during which the grants are generated depending on when the reviews are actually complete.

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