

Item1	Describe the operation of the device.
Answer:	This device is satellite radio receiver; it receives the satellite signal from the satellite receiving antenna, decode the audio signal in base band and DAC, then send the analog audio to the FM modulator contained in this device. The output of FM modulator is coupled to either the internal FM transmitting antenna or the external transmitting antenna depending on the users preference
Item2	Provide information on the device and its antenna.
Answer:	This device is the satellite radio receiver thar consist of the following individual pieces: (1) Internal FM transmitting antenna; (2) External FM transmitting antenna; (3) External satellite receiving antenna; (4) Cigarette lighter adapter; (5) Car dock; (6) Stereo audio cable;
Item3	How is it installed?
Answer:	The car dock is installed to hold the radio typically below the top of the dash in order to avoid blocking the view of the road by the driver. The external FM transmitting antenna will normally be activated at this time and the customer will locate and tune the satellite radio to output its signal on an unused FM channel in his locale. After determine the appropriate channel, the user will tune his car radio to the same channel.
Item4	Describe the test procedure used.
Answer:	The system is tested according to the procedures in ANSI C63.4. Cables are manipulated on the tabletop to maximize the FM band signal level. And also, the cables are bundled as per the instruction in ANSI C63.4 and are then moved around to maximize the FM band signal. Both internal FM transmitting antenna and external FM transmitting antenna configurations are tested.
Item5	If tested in a car, describe how was it configured and tested.
Answer:	Only test data on a test table are submitted for certification.
Item6	At the present time, FM transmitters (subject to 15.239) tested in vehicles must also be tested on a test table. Provide both sets of data. All data must be compliant
Answer:	Test Data on a test table will be filing .
Item7	Was the tuning range properly verified? The test lab should indicate in the report that the tuning controls were manually adjusted to verify maximum tuning range.
Answer:	The tuning control were manually adjusted to verify the maximum tuning range. All controls, manual and software were adjusted to determine the maximum tuning range capability of the unit. This range is specified in the test report and is 88.1MHz to 107.9MHz.
Item8	Was the bandwidth properly tested with maximum audio input?
Answer:	The full scale audio (0dB) was used and the modulator audio input level control was set to maximum to preform this test.
Item9	Use a typical audio file from a typical device. e.g. do not use a 1 kHz signal from a signal generator.
Answer:	This device doesn't have the external audio input, we can only use the signal generator to send the satellite radio signal to this device to decode the audio file for the FM transmitter.