

FM transmitters (FCC 15.239)

1) How does this device operate?

Plug into cigarette lighter.

2) Provide information on the device and its antenna.

The transmitter's antenna is on PCB layout which is a copper trace on PCB, this is permanently attached antenna and meets the requirements of the section.

3) How is it installed?

The BT-CATKIT is set to Standby mode at factory, the green indicator will flash once in every 3s. To enter Match mode, please un into OFF mode first (Hold Function Key for 3s till the light goes off with a beep), then hold Left/Right buttons for 6s till the green indicator is kept on light with a beep.

4) What test procedure was used?

Operating condition is according to ANSI C63.4-2003

5) If tested in a car, how was it configured/tested?

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 EUT was tested on table.

6) 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. EUT was adjusted to work at the selected channels: 88.1 MHz, 98.1 MHz, and 107.9 MHz. The EUT will not allow operation below 88.1 MHz and will not allow operation above 107.9 MHz.

7) Was the bandwidth properly tested with maximum audio input?

Emissions from the intentional radiator shall be confined within a band 200 kHz wide centered on the operation frequency. The 200 kHz band shall lie wholly within the frequency range of 88 – 108 MHz. Setup the EUT and simulators as shown in the report. Enable RF signal and confirm EUT active. Modulate output capacity of EUT up to specifications.

8) Provide the test report.

Test Report Submitted.