



SPORTON International Inc.

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## FCC Requested Information for 15.239 device

**FCC ID: NKRKTHDP1**

**1) How does this device operate?**

A: This device is a DAB (HD Radio) receiver; it receives the HD signal and then modulated as FM signal to either vehicle FM receiver by air or via a relay box by wire. These two ways of transmitting can only be used individually.

**2) Provide information on the device and its antenna.**

A: This device is a DAB (HD Radio) receiver that includes: (1) One external FM transmitting antenna, (2) Two external HD Radio receiving antennas (these two antennas could only be used individually, (3) Cigarette Lighter Adapter, (4) Remote Controller, (5) Remote Cradle, (6) Relay Box, (7) RCA cable.

**3) How is it installed?**

A: This device has to be installed by professional installer. The manufacturer did not give specific guide on the arrangement of the antenna. The user's manual mentions that car cradle must be not block driver's vision.

**4) What test procedure was used?**

A: The system is tested according to the procedure 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.

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

A: It is not tested in the car.

**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.**

A: The tuning controls were manually adjusted to verify 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.

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

A: Maximum internal modulation was used since the radio doesn't have an external audio input. The modulator audio input level control was set to maximum to perform this test.

**8) Use a typical audio file from a typical device. e.g. do not use a 1 kHz signal from a signal generator.**

A: There is no any audio file used on the test since the maximum internal modulation was used.