DIGIDOCK DEVELOPMENT INC.

6F, No.151, Xinhu 1st Rd., Neihu Dist., Taipei City 11494, Taiwan(R.O.C.)

AC-3100

Specification for FM Transmitter

1. How is the device installed and operated?
ANS:

Insert the Transmitter into the Cigar Lighter of the motor vehicle.

Pull out the adjustable plug to fit into the voice output of i-POD.

Choose one of the frequency from channel 88.3, 88.5, 88.7, 88.9 MHz of the transmitter, and tune the FM receiver to the same frequency, then you'll enjoy the music from the i-POD.

2. Information on the device and its antenna
ANS:

This device can be operated from 88.3 to 88.9 MHz. The main function of this EUT is used to encode analog signal to become FM code, and control the transmitter frequency to the radio receivers and broadcast. This transmitter is fed by 12V car power supply. This EUT use PCB Antenna.

3. Describe the test procedure used
ANS:

Supported Ancillary Equipment

Item	Name of Equipment	Manufacturer	Model Number	FCC ID	Note
1	DC Power Supply	ABM	9306D	N/A	N/A
2	iPod nano	Apple	A1199	N/A	N/A

The relevant cables of Supported Ancillary Equipment

Item	Name of Cables	Shielded Used	Ferrite Used	Length	Note
C1	Audio Line	Non-Shielded	N/A	0.5m	Detachable
C2	Power Line	Non-Shielded	N/A	1.2m	Detachable

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Setup Configuration

C2

DC Power Supply

C1

EUT

iPod nano
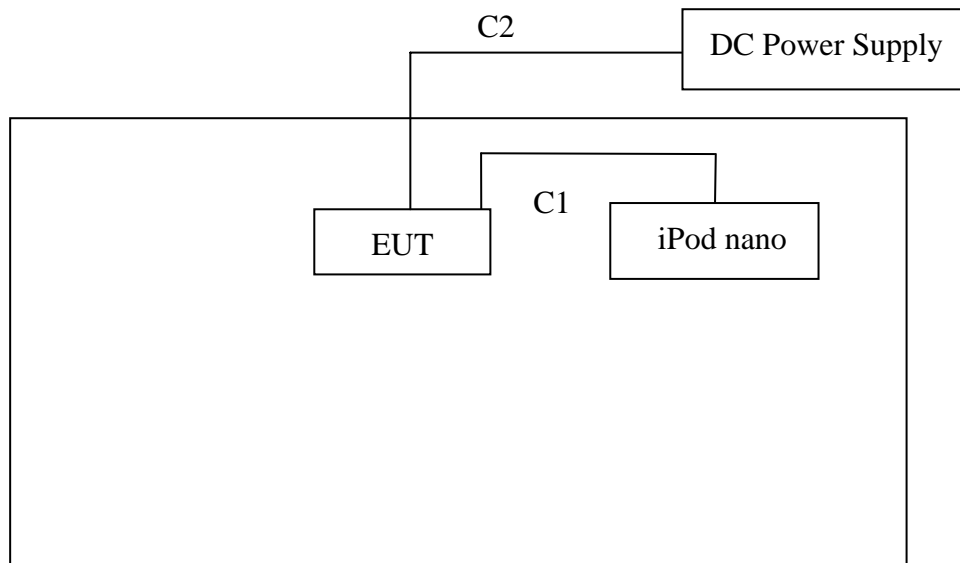
Description of Test Mode

The system was configured for testing in a typical arrangement as the manufacturer's declaration. During the test, the i-POD played program and set the volume to the maximum level. There was no special software to be exercised during the test. There are four channels on EUT, and the operating frequency range of EUT is from 88.3 MHz to 88.9 MHz. We choose the middle channel (88.7 MHz) for main final test.

4. Was the tuning range properly verified?
ANS:

Yes, the low channel is 88.3 MHz and the high channel is 88.9 MHz. The tuning control was manually adjusted to verify maximum tuning range.

5. Was the bandwidth properly tested with maximum audio input?
ANS:

Yes, the system was configured for testing in a typical arrangement as the manufacturer's declaration.