Chris Harvey

From: Chris Harvey [Chrisharveyemc@comcast.net]
Sent: Thursday, March 11, 2004 1:38 PM
To: 'Kyung-Taek LEE'
Cc: 'Marianne Bosley'; charvey@ieee.org
Subject: Samsung DVD and Wireless Speaker MT#15209

KT, I have reviewed the application for the **DVD Receiver (FCC ID: A3LHTDB390)** and found the following items that need to be addressed:

1. The Block Diagram and Parts List state that a standard SMA connector is used for the antenna connection. This is not acceptable for FCC compliance with 15.203. Please explain how this device and antenna comply with the 15.203 antenna requirements.

2. This EUT is a desktop device and is considered Mobile for RF Exposure. This device is a 52mW Mobile Tx and thus needs RF Exposure warnings in the manual and MPE calculation. Please submit these items.

3. FHSS devices in accordance with 15.247 must comply with the following requirements. These items were not included in the application. These items are typically available from the manufacturer of the RF Transceiver unit.

- Is the hopping sequence pseudorandom, based on the technical description?
- Is each channel used equally on average, based on the technical description?
- Does the associated system receiver have a compliant input bandwidth, based on the measured 20 dB emission bandwidth?
- Does the associated system receiver have the ability to hop in synchronization with the transmitter, based on the technical description?
- Does the frequency hopping system comply with the non-coordination requirement of 15.247(h)?

I have reviewed the application for the **Wireless Speaker (FCC ID: A3LSWA1000)** and found the following items that need to be addressed:

1. This EUT is a desktop device and is considered Mobile for RF Exposure. This device is a 34mW Mobile Tx and thus needs RF Exposure warnings in the manual and MPE calculation. Please submit these items.

2. FHSS devices in accordance with 15.247 must comply with the following requirements. These items were not included in the application. These items are typically available from the manufacturer of the RF Transceiver (BT) unit.

- Is the hopping sequence pseudorandom, based on the technical description?
- Is each channel used equally on average, based on the technical description?
- Does the associated system receiver have a compliant input bandwidth, based on the measured 20 dB emission bandwidth?
- Does the associated system receiver have the ability to hop in synchronization with the transmitter, based on the technical description?
- Does the frequency hopping system comply with the non-coordination requirement of 15.247(h)?

Please note that this device appears to use Bluetooth technology and thus is required to be licensed under the Bluetooth Certification program.

Please forward the information requested above directly to me so that these applications can be completed.

Best regards.

Chris Harvey