Chris Harvey

From: Chris Harvey [Chrisharveyemc@comcast.net]
Sent: Thursday, February 19, 2004 1:31 PM
To: 'Kyung-Taek LEE'
Cc: 'MET Lab (Mrs. Marianne Bosley)'; charvey@ieee.org
Subject: RE: Additional information needed for FCC ID:BEJTBLT20 MT#15074

KT, thank you for your reply. I will await your additional SAR information.

I think that your response about the sub-antenna opens up additional questions. I can not see any documentation for the radiated tests or the SAR measurements for the transmission from the sub-antenna. If the sub antenna ever transmits, then these tests must be performed in order to show compliance in this mode.

Please note that these same issues raised for this application also apply to MT#15075 FCC ID: BEJNTLU20.

Please let me know if you have any questions.

Best regards,

Chris Harvey

-----Original Message-----
From: Kyung-Taek LEE [mailto:leekt@digitalemc.com]
Sent: Thursday, February 19, 2004 12:55 AM
To: Chris Harvey
Cc: MET Lab (Mrs. Marianne Bosley); charvey@ieee.org
Subject: RE: Additional information needed for FCC ID:BEJTBLT20 MT#15074

Dear Mr. Chris Harvey,

Thanks for your help.
1. I revised the test report and submit RF Exposure Information. please refer to the attached file.
2. For one transmitting hot spot:
-> The WLAN transmitter have a main and a sub antenna. the Sub antenna operates if the main antenna did not operate.
during the normal operating, it operate only the main antenna. so the SAR plots show only one transmitting hot spot.
3. We will do the measurement with the Bluetooth transmitter on and off.

Best regards,
K.T.LEE

-----Original Message-----
From: Chris Harvey [mailto:Chrisharveyemc@comcast.net]
Sent: Thursday, February 19, 2004 4:06 AM
To: 'Kyung-Taek LEE'
Cc: 'Marianne Bosley'; charvey@ieee.org
Subject: RE: Additional information needed for FCC ID:BEJTBLT20 MT#15074

KT, I have confirmed that the SAR testing does need to be evaluated with the portable co-location Bluetooth transmitter on and off, while measuring the SAR for the higher powered WLAN device. This can be an investigation to show the effect on the worst case WLAN SAR measurement with the Bluetooth transmitter on and off. Please provide these measurements with the appropriate supporting documentation (i.e. dielectric property and validation measurements)

Best regards,

Chris Harvey

-----Original Message-----
From: Chris Harvey [mailto:Chrisharveyemc@comcast.net]
Sent: Wednesday, February 18, 2004 7:29 AM
To: 'Kyung-Taek LEE'
Cc: 'Marianne Bosley'; 'charvey@ieee.org'
Subject: Additional information needed for FCC ID:BEJTBLT20 MT#15074

KT, I have been reviewing the application for LG Electronics and have the following questions at this time.

The Test Report indicates an FCC ID number of WM3B2100 as a previous approval for the WLAN module, however this is not a valid FCC ID number. It is possible that the Grantee Code for this module was not included in the ID number provided in the report.

The FCC Requires RF Exposure warning information to be provided to the user for the WLAN device. This RF Exposure information could not be located in the user's manual. Please submit this RF Exposure information.

The photographs and description show 2 antennas for the WLAN transmitter; however the SAR plots show only one transmitting hot spot. Please explain.

I am still researching the current FCC policy for SAR when a Bluetooth transmitter is co-located with a WLAN portable transmitter. Since this policy has been discussed by the FCC in recent months, I need to see what they currently will require before accepting the SAR testing completely. I will let you know as I complete this research, but wanted to give you the opportunity to address the other issues at the same time.

Please respond directly to charvey@ieee.org with your answers.

Best regards,

Chris Harvey
charvey@ieee.org
443-622-3300