

Lucy Tsai

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寄件日期: 2007年9月27日星期四 上午 3:22  
收件者: Lucy Tsai  
副本: application.2007@tw.ccsemc.com  
主旨: Re:MITAC International Corp., FCC ID: P4Q-P560, Assessment NO.: AN07T7162/ AN07T7164, Notice#1

Dear Lucy,

Please see my reply as below, thank you.

Best Regards,

Amanda

"Lucy Tsai"

<lucy.tsai@ccsemc.com>

收件人: <application.2007@tw.ccsemc.com>

副本抄送:

2007/09/05 02:11 PM

主旨: MITAC International Corp., FCC ID: P4Q-P560, Assessment NO.: AN07T7162/ AN07T7164, Notice#1

Hi Gloria,

Please address following issues.

Q#1: Page1 of Antenna specification indicates the antenna is a -3dBi PIFA antenna for both Bluetooth and 802.11bg. But looking to the specification, it indicates that this report was the measurement results for Bluetooth antenna model and all performance was based on Bluetooth antenna handset and moreover, the maximum antenna gain measured in this report is 2.57dBi which doesn't agree with this application.

Please explain and provide the correct antenna specification if any.

Ans: Please see the revised antenna spec.

Q#2: According to the theory of operation, the RF combo module is capable in supporting dual and single antenna configurations, please confirm in this application, it's dual or single antenna is used. And please also provide conducted spurious emission and radiated spurious emission test data if it's the single antenna configuration and Bluetooth and WLAN modules can transmit simultaneously.

Ans: We have added the co-location test. Please see the revised report.

Q#3: There has a duplicated section 3.5 of the description of test mode indicated on page 7 of DTS report. Please remove.

Ans: We had removed from the test report, please see the revised test report.

Q#4: Please provide the RF module's photo without the metal shielding.

Addition issues for BT portion only

Ans: Please see page 9 on the internal photo.

Q#5: Please demonstrate that this Bluetooth device has complied with FCC 15.247 requirement as below:

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?

15.247(g) Does the design of the frequency hopping system allow it to comply with all pertinent requirements when presented with a lengthy data stream?

15.247(h) Does the frequency hopping system comply with the non-coordination requirement?

Ans: Please have the BQB Cert of DoC letter.

2007/9/27

Q#6: Based upon the theory of operation, this device is designed per Bluetooth 2.0+EDR. As stated in the theory of operation, this device is capable of operating in three different modulations: GFSK, DQPSK and 8PSK. In the test report, there is no information on which ACL packet Type was selected for the final testing and the worse case investigation. Please address.

For your information, Bluetooth 2.0+EDR are capable with the following ACL packet Type:

Ans: Please see page 7 on the revised test report.

Best Regards

Lucy Tsai

Technical Review Engineer

Compliance Certification Services

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