

Helen Zhao

Subject: FW: Hanbit Electronics Co., Ltd., FCC ID: PYZHPAX20256, AN06T6171(JBP)

-----Original Message-----

From: jmyang

Sent: Thursday, September 21, 2006 7:34 PM

To: Helen Zhao

Subject: FW: Hanbit Electronics Co., Ltd., FCC ID: PYZHPAX20256, Assessment NO.: AN06T6151 (DSS) and AN06T6153 (DTS) and AN06T6171 (JBP)

Dear Helen,

AN06T6151 (DSS)/AN06T6153 (DTS)

- 1) Systems Circuit
- 2) Internal photo for Bluetooth
- 3) 6) Antenna Connected Construction-1) Bluetooth is chip Ant-gain:-1.5dBi(see RF-Exposure)
-2) Wireless is PIPA Ant-gain:4.06dBi(see RF-Exposure)

4) The test report (page 9) indicates interface cable(USB) and AC/DC power supply cable come with ferrite core, so grant notes "19" and "28" will be shown on the grant. I did not find ferrite core from internal photos, would you please confirm?
- Yes

5) Please find Operational Description for WLAN mini-PCI module.

AN06T6171(JBP)

- 1) test report
- 2) Internal photo for Bluetooth
- 3) Revised Label
- 4) test setup photo above 1Ghz
- 5) system-circuit

6) the 15B test report (page 7) indicates interface cable(USB) and AC/DC power supply cable come with ferrite core, so grant notes "19" and "28" will be shown on the grant. I did not find ferrite core from internal photos, would you please confirm?-Yes

Thank you,
Yang

Subject: RE: Hanbit Electronics Co., Ltd., FCC ID: PYZHPAX20256, Assessment NO.: AN06T6151 (DSS) and AN06T6153 (DTS) and AN06T6171 (JBP)

Dear Mr. Yang,

Regarding this composite device filing (DSS – BT, DTS-WLAN, JBP-15B), below are my comments:

AN06T6151 (DSS)

- 1) Please submit circuit diagram of the system
- 2) The internal photos do not include BT module photos, please check again, please provide the photos.
- 3) The test report Appendix 2 Antenna spec indicates

"1.2 Antenna Connected Construction

The antenna types used in this product are Intergrated PCB Pattern Antenna. The maximum Gain of this antenna is 3.83dBi."

Please confirm if BT module uses PCB Pattern Antenna. Do BT module and WLAN module share the same antenna?

4) The test report (page 9) indicates interface cable(USB) and AC/DC power supply cable come with ferrite core, so grant notes "19" and "28" will be shown on the grant. I did not find ferrite core from internal photos, would you please confirm?

AN06T6153 (DTS)

5) Please submit Operational Description for WLAN mini-PCI module.

6) The test report Appendix 2 Antenna spec indicates

"1.2 Antenna Connected Construction

The antenna types used in this product are Intergrated PCB Pattern Antenna. The maximum Gain of this antenna is 3.83dBi."

The internal photos and schematics show the WLAN card has two u.fl connector, please confirm whether WLAN card uses "PCB Pattern Antenna". You may need to show antenna location on the handheld web computer.

AN06T6171 (JBP) 7) This device is a PC, it will be authorized to use either through DoC or through certification. The FCC ID label format includes FCC DoC logo, which means the digital portion is authorized through DoC. But if you decide to submit a separate application for 15B, then the digital portion should be authorized through certification, in that case, FCC DoC logo could not be shown on the label format. Please remove FCC DoC logo from the ID label format.

8) Please specify the highest crystal/local oscillator frequencies on the system block diagram, e.g. from CPU (ALX800), HDD, etc. The 15B report does not show radiated emission above 1GHz has ever been evaluated. Please update the 15B report to indicate clearly.

9) Same as 15C report, the 15B test report (page 7) indicates interface cable(USB) and AC/DC power supply cable come with ferrite core, so grant notes "19" and "28" will be shown on the grant. I did not find ferrite core from internal photos, would you please confirm?

Please reply to me asap. You can send me system circuit later, but please answer the other questions asap.

Thank you,
Helen

-----Original Message-----

From: jmyang
Sent: Thursday, September 21, 2006 6:01 AM
To: Helen Zhao
Subject: FW: Hanbit Electronics Co., Ltd., FCC ID: PYZHPAX20256, Assessment NO.: AN06T6151 (DSS) and AN06T6153 (DTS)

Dear Helen,
Good morning.
I did not search uploaded place in CCS home page.
Therefore, I sent revised files your e-mail.

Thank you,
Yang.

-Annex files-

- 1)wireless lan block diagram
- 2)WLAN circuit
- 3)Operational description for Bluetooth
- 4)Internal PHOTO
- 5)ESTF150609-004-Hanbit Electronics Co Ltd-HPAW20256-0671 for FCC
- 6)Confidentiality Request
- 7)BT circuit
- 8)BT block diagram
- 9)Authorization Letter

-----Original Message-----

From: Helen Zhao
Sent: Tuesday, September 19, 2006 4:50 PM
To: Helen Zhao
Subject: Hanbit Electronics Co., Ltd., FCC ID: PYZHPAX20256, Assessment
NO.: AN06T6151, Notice#1

Question #1: This device contains Bluetooth module and WLAN module. The bluetooth function was tested per FHSS measurement procedure, the WLAN function was tested per DTS measurement procedure. So the bluetooth function will be certified under equipment class "DSS" while the WLAN function will be certified under equipment class "DTS". Composite device filings are required, this filing (AN06T6151) is for bluetooth portion (DSS), AN06T6153 is modified for WLAN portion (DTS). Attached please find two Form 731s for your reference.

Question #2: Please submit the following documents:

- a) Operational description for Bluetooth module
- b) Schematic diagram for the system and Bluetooth module
- c) Block diagram for Bluetooth module

Question #3: Internal photos – Please remove the RF shielding and retake a photo for WLAN front view. Please resubmit the updated internal photos.

Question #4: Test report does not list calibration data for all the test instrument used for RF conducted channel testing. Please update the test report.

Question #5: The Agency Authorization letter does not show application company name. Please revise the top of the letter to show company name.

Question #6: This is for your information. The Request for confidentiality letter lists Block Diagram only. Please verify if schematic diagram and operational description should also be kept confidential. If so, please add these file names on the confidential letter.

Best Regards,
Helen Zhao

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in

application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.