

Helen Zhao

Subject: FW: YUSUNG C&C Co. Ltd., FCC ID: QLKUNC-2400M, Assessment NO.: AN06T5882, Notice#1

From: Kwon, James

Sent: Thursday, June 22, 2006 8:22 AM

To: Helen Zhao

Subject: RE: YUSUNG C&C Co. Ltd., FCC ID: QLKUNC-2400M, Assessment NO.: AN06T5882, Notice#1

Hi Helen,

Pls find my reply at below, and I uploaded all updated material.

Thanks and have a nice day.

James Kwon

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

Sent: Wednesday, June 21, 2006 5:02 PM

Subject: YUSUNG C&C Co. Ltd., FCC ID: QLKUNC-2400M, Assessment NO.: AN06T5882, Notice#1

Question #1: This is a frequency hopping device, does not use Bluetooth technology, based upon FCC15.247(a)(1), you need to address the following requirements:

[James] Checked. Adopted Bluetooth technology. Described it to operating description.

a) Pseudorandom Frequency Hopping Sequence

Describe how the hopping sequence is generated. Provide an example of the hopping sequence channels, in order to demonstrate that the sequence meets the requirement specified in the definition of a frequency hopping spread spectrum system, found in Section 2.1.

b) Equal Hopping Frequency Use

Describe how each individual EUT meets the requirement that each of its hopping channels is used equally on average (e.g., that each new transmission event begins on the next channel in the hopping sequence after the final channel used in the previous transmission event).

c) System Receiver Input Bandwidth

Describe how the associated receiver(s) complies with the requirement that its input bandwidth (either RF or IF) matches the bandwidth of the transmitted signal.

d) System Receiver Hopping Capability

Describe how the associated receiver(s) has the ability to shift frequencies in synchronization with the transmitted signals.

Please update Theory of Operation to add necessary information.

Question #2: MPE calculation is included in the filing, but the user manual does not contain RF exposure statement, such as "To meet RF exposure requirements in FCC Rule section 1.1307, antennas must be installed so that a distance of at least 20 cm (9 inches) is maintained between antenna and all persons during normal operation, and must not be co-located or operating in conjunction with any other antenna or transmitter." Please update the user manual.

[James] We updated user manual.

Question #3: The test setup photos show the bandwidth test was done without any A/V device connected. Based upon ANSI C63.4:2003, section 13.1.7 Occupied bandwidth measurements, "Once the reference level is established, the equipment is conditioned with typical modulating signals to produce the worst case (i.e. the widest) bandwidth. Please retest this item with load (connection to external A/V devices). [James] We repeated test, and updated test report.

Question #4: Based upon "FCC Measurement Guidelines for Frequency Hopping Spread Spectrum Systems" (Public Notice DA 00-705),

a) Number of Hopping Frequencies should be tested with RBW ³ 1% of the span; - you used RBW = 100KHz when span is 84.5MHz. Please use correct setting in future. [James] Thanks.

b) Band-edge Compliance of RF Conducted Emissions should be tested with RBW ³ 1% of the span; you used RBW = 100KHz when span is 25MHz. Please use correct setting in future. [James] Thanks.

c) Time of Occupancy (Dwell Time) should be tested with RBW = 1 MHz; - you used RBW = 8MHz. Please repeat this test item with correct setting.

[James] We repeated test, and updated test report.

Question #5: Please clarify whether there is any ferrite core used on AC/DC adapter cable.

[James] No. There is no ferrite core used.

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.