

Lucy Tsai

From: ? ? ? [jmyang@estech.co.kr]
Sent: Monday, April 21, 2008 9:55 AM
To: Lucy Tsai
Subject: FW: CEYON TECHNOLOGY CO.,LTD., FCC ID: UDCREM900, Assessment NO.: AN08T7755, Notice#2
Attachments: REM900 User Guide_080421_.pdf

Dear Lucy,
Good Evening.
I send the revised documents as below
Please check its.
Please issue grants for FCC15(B, C) as soon as possible if here have no problem
Thank you,
Yang.

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

From: Lucy Tsai [mailto:lucy.tsai@ccsemc.com]
Sent: Monday, March 24, 2008 1:53 AM
To: ? ? ?
Subject: FW: CEYON TECHNOLOGY CO., LTD., FCC ID: UDCREM900, Assessment NO.: AN08T7755, Notice#1

Hi Mr. Yang,

Please address following issues.

Q#1: As indicated in the external photos, 8 antenna connectors, including TX and RX are used. And look into the block diagram, there two types: single with diversity antennas and dual with 4 transmitting antennas and 4 receiving antennas. And according to the user manual, 4 transmitting antennas in single mode or dual mode can transmit at the same time.

However, all test results per test setup photos were only tested with one antenna which is not enough.

Please re-do the radiated emission test, including band edge test with two configurations of single mode and dual mode with max. antennas attached.

Moreover, please be noted that EUT antenna should be positioned to maximize emissions during the test.

Ans.: Please refer to the revised test report.

Q#2: Please provide each type of antenna specification. FYI: Per 15.203, antenna connector used shall not be standard type; otherwise, professional installation is required.

Ans.: Professional installation will be followed and please refer to revised user manual.

Q#3: Please provide clearly internal photos and also include the single module photo which was indicated on the first internal photo.

Ans.: Please see revised internal photos.

Q#4: Per 1.1307(b) LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE), the limit of RF exposure calculated by Power Density is 1mW/cm^2 but not 3mW/cm^2 .

However, as indicated in the RF exposure reports, all results are over the limit, please address.

Ans.: Please revised test report.

Q#5: As indicated in page 6 of test report, the limit applied doesn't agree with the applied section, for example, channel hopping. Please correct.
Ans.: Please see revised test report.

Q#6: Page 19, Time of Occupancy (Dwell Tim) doesn't enough to show it has meet the requirement. As indicated in 15.247(a)(1)(i), For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period. So please show out how many hopping are available within 20 seconds and then show out that the average time of occupancy is less than 0.4second.
Ans.: Please revised test report.

Best Regards,

Lucy

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.