

From: Anne Liang
Sent: Thursday, August 22, 2002 10:41 AM
To: Mike Kuo; Steve Cheng
Cc: CLIENT ADVOCATES; Thu Tran
Subject: RE: LGC WIRELESS, INC, FCC ID:NOOUNS-819RAU-1, AN02T2163

Responses:

Question #1: Please provide technical description of CAT5 Extender to explain the function of Extender and its impact to the RAU output power.

The Unison system is design to work with cat5 cable length of 10 to 100 meters. With the extended the Unison system will work with cat5 cable length of 110 to 170 meters.

The Cat5 Extender will be used to increase the length of the CAT5 cable lengths that can be used for the Unison product. The way it work's is that it has gain both in the uplink and downlink directions that will make up for 80 meters of Cat5 cable.

The rules for installing the extender are:

The minimum total length of cat5 cable that can be used with the extender is 110 meters.

The maximum total length of cat5 cable that can be used with the extender is 170 meters.

The minimum length between the expansion hub and the extender is 90 meters.

The minimum length between the RAU and the extender is 20 meters.

By following the rules the gain control in the expansion hub and the RAU will keep the output power fixed. That is to say if the system gain is set to 15 dB and the extender is installed the system gain will still be 15 dB, no impact on output power.

Question #2: No problem. They are confirmed.

Question #3: Will provide tomorrow.

Question #4: Conducted power listing is OK.

Thank you,

Anne

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

From: Mike Kuo
Sent: Wednesday, August 21, 2002 3:54 PM
To: Steve Cheng; Anne Liang
Cc: CLIENT ADVOCATES
Subject: FW: LGC WIRELESS, INC, FCC ID:NOOUNS-819RAU-1, AN02T2163

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

From: CERTADM

Sent: Wednesday, August 21, 2002 3:51 PM
To: 'mkuo@ccsemc.com'
Subject: LGC WIRELESS, INC, FCC ID:NOOUNS-819RAU-1, AN02T2163

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Question #1: There are two technical report submitted for this application. One of test report (02U1315-1) was tested without CAT5 Extender / UNS-EA170-1, and the other test report was tested with CAT5 Extender. The highest antenna conducted output reported in these two reports are different. In 02U1315-1 test report, the highest reported antenna conducted output power is 17.06dBm @CDMA800 modulation, 16.94dBm @CDMA1900 modulation. On the other hand, in 02U1315-2 test report, the highest reported antenna conducted output power is 17.78dBm@CDMA800 and 16.67dBm@CDMA1900.

Please provide technical description of CAT5 Extender to explain the function of Extender and its impact to the RAU output power.

Question #2: There are more modulations listed in the user manual, several of modulations are not capatable of operating in U.S. territories. Based upon the test reports, this application will be reviewed only for those modulations that were tested and capable of operating in the U.S. Territories. They are : AMPS-F1D, AMPS-F8W, CDMA800-F9W, TDMA800-DXW, CDMA1900-F9W, EDGE1900-G7W, GSM1900-GXW, TDMA1900-DXW. Please confirm.

Question #3: Please provide additional internal photos by removing the metal plate on the RAU.

Question #4: There are two antennas were used during ERP/22 and EIRP/24 tests. In accordance with the user manual, the passive antennas will not be supplied with the unit. Antennas will be used during the installation process. As the result, the output power listed on the Grant will be referred to the output power at the antenna terminal in stead of ERP and EIRP.

Best Regards

Mike Kuo / TCB Certifier

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 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.