## **Helen Zhao**

Subject: FW: K-Best Technology Inc., FCC ID: QZG5113R, Assessment NO.: AN04T4226, Notice#1 Exhibit-C-Test\_Rep Exhibit-F-Test\_Setu MPE evaluation Exhibit-A-Block\_Dia Antenna Specifications.pdf ort\_revised.... p\_Photo\_rev... SL5113R.pdf gram\_revise... ----- Original Message -----From: "SS" To: "Mike Kuo" <MKUO@CCSEMC.com> Sent: Friday, November 12, 2004 4:02 PM Subject: Re: K-Best Technology Inc., FCC ID: QZG5113R, Assessment NO.: AN04T4226, Notice#1 > Dear Mike, > > #1 Please refer to attached antenna specifications. > > #2 > a. The ODU should be configured into only 1 frequency band at factory. So > the ODU of 17GHz is different from that of 5.8GHz because of the circuit > design and component for such a wide range from 2.4GHz to 17GHz is very > hard. The configuration of several frequency bands mentioned in the user > manual is for future designed ODU of various frequency bands and provide > different product for customers. > b. For QZG5113R table 9-21 and 9-22 are applicable. > c. The system is working on FDD method. That means if side A ODU transmits > at 5822MHz, then side B ODU receives at 5822MHz. Side A receives at 5738MHz, > then side B ODU transmits at 5738MHz. These two frequencies form a set of > channel. So different frequency would be only transmitted one at a time. > > #3 Please refer to attached test report. Test data of two antennas were > provided. > #4 Please refer to attached test setup photos. > > > #5 Please refer to attached test report. The measurement was redone and the > plots were provided. > > #6 Please refer to section 8.5 on page 32 of attached test report. > > #7 Please find the section 9.7.4 in the revised user manual. This equipment > is a point-to-point operation system. > #8 Please refer to attached MPE estmation. > > #9 Please find attached revised block diagram. The side A or side B > configuration of ODU can not exist at the same time. One must choose to > install side A or side B. > > Best regards, > > S. S. Liou > Engineer / EMC Dept. II > Electronics Testing Center, Taiwan

> > > > -----Original Message-----> > From: Compliance Certification Services [mailto:MKuo@ccsemc.com] > > Sent: Thursday, September 30, 2004 4:31 PM > > To: Mike Kuo > > Subject: K-Best Technology Inc., FCC ID: QZG5113R, Assessment NO.: > > AN04T4226, Notice#1 > > > > > > Question #1: Please provide antenna specification for 28.5 dBi Dish > antenna and 22 dBi Panel antenna. > > > > Question #2: The operation description file provided only contains general > > product specification. Please provide detail theory of operation to > address the following issues : > > > > a. Based upon user manual, figure 1-1, the ODU can be configured into > > several frequency band ( 2.4GHz/5.8GHz/17GHz etc..), please describe how > are other frequency bands applied to this product. > > > > b. Section 9.4 Spectrum list of user manual provides many frequency > > allocation to different type of services. Please confirm that only table > > 9-17 and table 9-18 are applicable to this product. > > > > c. In the ODU, there are two independent RF sections ( Side A and Side B ) > > to be allocated for different frequency band. As indicated in section 8.2.1 > > of user manual, the installer can configure the ODU by channel and by > power. Will side A and side B of RF section to be configured into different > channel ( frequency ) and transmit simultaneously at the same frequency or > different frequency or Side A or Side B can only be transmitted one at a time. > > > > Question #3: Section 4.4 of test report, which antenna was used during the > > tests ? Based upon the antenna description in section 6.2 of test report, > > these two antennas are considered as different type of antenna, both > > antennas shall be tested during radiated spurious emission and restricted > > band tests. Please submit additional test data for the other antenna. > > > > Question #4: Please provide the mode of operation during radiated emission > > tests, why there are two identical antennas placed on the turn table with > > minimum separation distance. What was the IDU setting ? Antennas were > > positioned toward each other and no pointing to the measuring antenna . > > > > Question #5: Based upon FCC measurement procedures, during RF conducted peak > > output power measurement, the RBW shall be greater than 6 dB bandwidth. The > > 6dB BW reported is greater than 1 MHz RBW used in the output power > > measurement, please redo output power measurement with RBW 6dB bandwidth > > and submit the plots. > > > > Question #6: Please provide a setup photo to show how the RF conducted > > measurement was made to measure side A and Side B radio characteristics. > > > > Question #7 : Since this device is required to have professional > > installation, please include the proposed antennas including > point-to-point > > or point-to-multiple operation and associated power setting in the user > > manual to be followed by the installer. > > > > Question #8 : Please provide MPE estimate to justify the requirement for 5

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> > meter separation distance from the transmitting antenna to the body of > user. > > > > Question #9 : Please provide more detail functional block diagram to > > describe the function paths of side A and side B to the transmitting antenna > > connector. > > > > Best Regards > > > > Mike Kuo > > > > > > 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. > > >

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