Helen Zhao

Subject: FW: K-Best Technology Inc., FCC ID: QZG5111R, Assessment NO.: AN04T4225


Exhibit-A-Block_Diagram_revise...


Exhibit-C-Test_Report_revised....


Exhibit-F-Test_Setup_Photo_rev...


MPE evaluation SL5111R.pdf

From: "SS"
To: "Mike Kuo" <MKUO@CCSEMC.com>
Sent: Friday, November 12, 2004 4:02 PM
Subject: Re: K-Best Technology Inc., FCC ID: QZG5111R, Assessment NO.: AN04T4225, 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 QZG5111R table 9-17 and 9-18 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

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> > -----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
> > 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
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> >
> > 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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