

Subject: FW: K-Best Technology Inc., FCC ID: QZG5113R, Assessment NO.: AN04T4226, Notice#1



Antenna
Specifications.pdf



Exhibit-C-Test_Report_revised....



Exhibit-F-Test_Setup_Photo_rev...



MPE evaluation
SL5113R.pdf



Exhibit-A-Block_Diagram_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 estimation.

>

> #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
> >
> >
> > 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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