

Exhibit for KDB: FCC ID: LKT-BMAX-SU25

1) General description of device and applicable rule parts/sections

TNB, operates from 2498.5 to 2687.5MHz, 0.074W conducted power, 31.7KHz frequency tolerance, channel bandwidth 5MHz, and emission 4M75D7D: OFDM (BPSK, 4QAM, 16QAM, 64QAM). The product is a one-box configuration that contains a power supply, Ethernet 10/100BT interface, radio, and digital section. It has an internal array of 6 antennas with an optional external antenna.

The 6 elements beam-switching antenna, covers 360 degree physically. At given time slot only one element out of six elements is selected according to internal algorithm, giving 60 deg. Coverage only at given time slot. When external antenna is attached to the unit, the number of antenna elements becomes 7, and the antenna selection algorithm applies now to 7 antennas elements. Usually the external antenna will be selected as it has the best RX signal level.

2) Summary of what the unique technology is

Applicant's answer:

[quote] We comply to the FCC part 27 on the radio part and to the 802.16D version of the WiMax on the modem and radio performance part as EVM, sensitivity, dynamic range etc... More information on the 802.16D can be found on the WEB under the WiMax forum activity. [end of quote]

3) Operational description and manual

These exhibits are uploaded to EAS

4) Test procedures used and data, including justification for subset of operational modes if selected

Test report is uploaded to EAS

5) Info about how device operates as fixed, mobile, or portable within the network protocol, e.g., channel bandwidths, modulations, power control / adjustments

Outdoor applications – antenna installation on permanent structure and integral antennas.

6) Availability of and specific test equipment required, or justification how FTM represents and covers end-use conditions

Test report section 3.1 and 3.2 contain relevant information

7) Info about applicable and/or loosely-related public standards, if any, e.g., 802.16 and Conformance standards, and what parts of these are applicable or not, how and why

Ans. we support 801.16D standard , information can be found on WiMAX forum

8) Evaluate smart-antenna modes per FCC procedures, where applicable, or for permit-but-ask submit additional details herein about adaptive antennas

Ans. No smart antenna in this product. The antenna is beam switching antenna in SU indoor

9) Address how allowed FCC frequency range is applicable for FDD and/or TDD modes

Ans. we are TDD in BreezeMAX 2500 system

Additional information:

"It is a common manual covering 3 frequency bands for 3 systems . Table 1-12 on p. 35 of 154 , contains two columns ."TDD Frequencies" and FDD Frequencies , which describe frequency bands for TDD and FDD type systems. The present FCC application refers to TDD type system 2.5 GHz band . Therefore "not applicable" and "uplink/downlink" note is not relevant to our system"

10) Details about selected subchannelizations, permutations, profiles tested and why

Ans. we support UP link subchannelization between 1,2,4,16 subchannels

11) Response to Inquiry on Dec 11 2006

c) EAS filing must identify, justify, describe what/how/why specific "RF Profile(s)" are appropriate and used to test the device, among those in the applicable conformance documents and standards (eg 802.16, WiMAX)

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