Mike Kuo

From: Claire Hoque
Sent: November18日2003年Tuesday 3:07 PM
To: Mike Kuo
Cc: Chuck Cowden; Thu Chan
Subject: RE: WORTHDATA INC., FCC ID: JWSB551, Assessment NO.: AN03T3305

Hi Mike,

Here are the answers.

Question #1: Please provide internal photos and external photos of AC/DC adapter.


Basestation Adapter External P...


Basestation Adapter Internal P...

<Claire>pls see attached photos.

Question #2: Per AC line conducted test data and spectrum plots, this device does not comply with 15.207 AC line conducted limits. As indicated in the test report, AC line conducted limits met 15.107 Class A limits for digital device. Please note that for intentional radiator, comply with 15.207 AC line conducted limits is required. Under section 15.207 of FCC rules, there is no Class A or Class B limits.


revised 03U2162-1 FCC Report(B...

<Thu>test report has been revised.

Question #3: Please provide a example of Pseudo random frequency list.

<Worthdata>The radio has 25 channels numbered 0 to 24. Below is an example of a hop list.
23, 8, 19, 12, 16, 17, 5, 20, 0, 11, 22, 14, 9, 7, 2, 4, 15, 6, 21, 1, 3, 13, 10, 24, 18

Question #4: Please provide technical information to justify that this device comply with " The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequency in synchronization with the transmitted signals."

<Worthdata>The receiver IF bandwidth is set by the use of active filters in the IF amplifier chain to match the downconverted bandwidth of the transmitted FSK signal.
The system consists of a fixed acess point (BASE), and multiple mobile users(TERMINALS).When a Terminal wants to establish communication with a Base it will hop, transmit a "connect request" packet and then listen at a hop rate that is much faster than the normal operational hop rate. One inquiry per hop channel. The base will hear the Terminal's "connect request" packet and respond with an acknowledgment packet containing a time stamp indicating the correct relative time. The Terminal will then set it's internal time keeper to the correct time and proceed to hop at the normal operation rate.
To maintain time sync ALL packets exchanged from a base to a a Terminal have the correct time information imbedded in the data packet.The terminal updates it's time keeper each packet. If there is a long period of time that the terminal is NOT exchanging data with the base a housekeeping packet will be sent and the base response will ensure the terminal has the correct relative time, thus maintaining time sync.

Thanks,

Claire