

From: Tom Cokenias [tom@tncokenias.org]  
Sent: Wednesday, June 19, 2002 4:04 PM  
To: Mike Kuo  
Subject: Re: FW: PointRed Technologies Inc., FCC ID:QDU-MCRD-BASE-2R5, AN02T19 72

>Question #1: Please provide tune-up procedure.

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>The EUT description for this device is MMDS base station. There two devices  
>are included in this filing. Base station and Transceiver. All the tests  
>were done at transceiver level but not on the base station level. By  
>reviewing the user manual, the transceiver unit is the radio interface unit  
>between the Base station and CPE. However, the proposed FCC ID number is  
>affixed on the base station.

ANSWER#1. See separate document for tune-up procedure, it will be sent tonight or tomorrow depending on when Tim Healey gets it to me.

To clarify the system configuration, what Pointred calls the "Base Station" is actually an intermediate subassembly between ethernet and power input and the RF transceiver. The "Base Station" derives DC from the AC mains, and obtains ethernet input via conventional RJ45 jack and CAT5 network cable. The ethernet input modulates a 380 MHz signal using FSK modulation. The 380 MHz intermediate frequency (IF) and DC power are placed on the center conductor of the RG6 cable connecting the Base Station unit to the transceiver, mounted outdoors. The transceiver, powered by the DC on the RG6 connector, unconverts the 380 MHz signal to the desired MDS channel frequency.

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>Question #2: What types of antenna are going to use with transceiver ?

ANSWER#2. Attached is document with description of antennas and MPE distance for each.

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>Question #3: Is there any antenna going to connect to Base station directly  
>?

>ANSWER#3 No, the "Base Station" is an intermediate subassembly.  
>The antenna is connected to the "N" connector of the transceiver via  
>coax.

>Question #4: In the product description/ operation overview file, it  
>mentioned FCC ID:QDU-MCRD-CPE-2R5. What is the FCC application status of  
>CPE ?

ANSWER#4 Administrative review is complete, engineering review is pending. Attached is EA number and FCC ID if you wish to check status.

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>Question #5: Is the transceiver unit required minimum cable length in order  
>to meet Part 21 requirement ?

ANSWER#5 There is no minimum cable length requirement.

>Question #6: Please provide MPE evaluation to justify RF exposure compliance  
>.

>ANSWER #6 Please refer to attached document with antenna information.

Best regards

Tom