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The following are replies to the request for information under Correspondence Reference Number 7641, 6 May, 1999.

Item 1 -- EIRP Requirement for the CPE Roof Unit Transceiver:

In reviewing your question, we reach a different result for spectral power density for the Roof Unit, i.e., other than +14 dBW.

We agree that .1 Watt is +20 dBm and -10 dBW. Adding 38 dB antenna gain will result in an EIRP of +28 dBW.

However, we believe that for a 2 MHz Occupied Bandwidth, the spectral power density of the Roof Unit at the maximum rated output of .1 Watt will be +25 dBW/MHz, not +14 dBW/MHz as you state in your e-mail.

We have rechecked the spectrum analyzer plots in the test report and these do read low. The measurements were performed in the "Detector Sample" mode with Video Averaging off. We can't determine the Channel Bandwidth (which will have some effect on the accuracy of the measurement). We do know that the RF output of the Roof Unit was +20 dBm (measured concurrently with an Anritsu ML2348A power meter) and we can see by the plots that the bandwidth is approximately 2 MHz for 1/2 Rate, approximately 1.6 MHz for 3/4 Rate and approximately 1.4 MHz for 7/8 Rate.

The maximum calculated EIRP for the Roof Unit operated is +26.2 dBW at Rate 7/8 and slightly lower, +25.0 dBW, at Rate 1/2. Therefore, we believe that the maximum EIRP for the Grant should be **+27 dBW/MHz** (rounding up from +26.2), which is well below Part 101 limit of +42 dBW/MHz for the subscriber unit.

When we submitted the application, we were under the impression that EIRP would be expressed in terms of Watts rather than Watts/MHz. Our Roof Unit has a maximum EIRP of only **28 dBW** (vs. Part 101 limit of 55 dBW) and only 26.2 dBW/MHz (vs. Part 101 limit of 42 dBW/MHz). Alternatively, the maximum rated RF output power of the Roof Unit transmitter is **100 milliwatts** and the maximum antenna gain is 38 dB.

Item 2 -- Confidentiality for Exhibit 8 (Test Setup Photos):

Bosch Telecom withdraws its request for Confidentiality for Exhibit 8 (Test Setup Photos) of this application for Certification. This exhibit was not intended to be treated as confidential and was erroneously included with other exhibits in the cover letter.

Please call or e-mail me if I have not satisfactorially complied with your request for information.

Regards --

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