

Mr. Andy Leimer
FCC Application Processing Branch

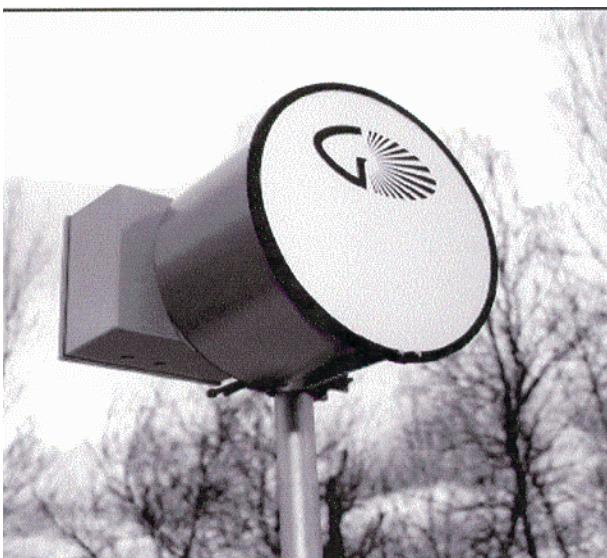
Re: PYC18-3800
Correspondence reference number: 22480

Dear Mr. Leimer,

Please find attached the additional information requested in the above referenced correspondence. The reply to each action item is listed below.

1) Submit the external photos. Include photos of all antennas used with this device.

The photo below is an identical representation of the antenna/transmitter combination. The microwave processing electronics are housed in a sealed enclosure (330x230x180mm) that mounts directly to the rear of the antenna as shown. The antenna feed then protrudes into the enclosure through a hole milled on the back side.



2) Submit a list of all antennas used with this device. Include the manufacturer, model, mainbeam gain, erp.

Gabriel Electronics is the sole source for the antenna used with this device.

Model No.: HES2-180
Mainbeam Gain: 38.9 dBi (midband)
F/B Ratio: 61 dB
ERP: 59 dBm

3) Submit all test data required by Part 2. You mentioned that you have printed measurements available. Paper exhibits can be scanned into PDF format and submitted to the Test Report exhibits electronically.

I apologize if I was unclear, but we do not have the HP-IB interface to give us the ability to print the test data. For that reason, all test measurements were made in tabular form as supplied. Upon financing, we will be purchasing an updated spectrum analyzer w/GP-IB interface.

4) If this device can be operated as a Hub submit the RF exposure warning that is required on the antenna under Part 1.1307 (see table). This might require an MPE calculation to determine the safe separation distance.

This device can not be operated as a hub.

Thank you for your attention to this matter and please let me know if I can be of any service in expediting our application process.

Best regards,

Paul Caskey, President
Enterprise Networks,