



March 8, 2000

Federal Communications Commission
Applications Processing Branch
Columbia MD

Atten: Mr. Andy Leimer

Re: Correspondence Reference Number 12486, 18 February 2000
FCC ID NNSTX2000-HG-99
731 Confirmation Number EA95814

This letter is in response to your Request for Information Number 12486, dated March 6, 2000.

The pilot tone is listed at 27510 MHz. Since this is closer to the band edge than the QPSK signal, a spectrum plot showing compliance to the emissions mask measured with 1 MHz RBW will be required. Please submit the spectrum plot. All other issues have been resolved with your previous response to the first request for technical information.

The requested spectrum plots are shown in Figures 2 and 3 on page 4 of this letter. The data was taken with the High Gain Transmitter operating at the maximum rated power output of 1.0 Watt (+30.0 dBm). The test arrangement for collection of data was the same as used for antenna terminal conducted measurements during the original certification testing for RF Power, Occupied Bandwidth and Emission Limitations and is shown in Figure 1, page 3 of this letter. The CW input to the transmitter was generated by one SMIQ – the AMIQ and other two SMIQs shown in Figure 1 were not required for this test. Tests were performed by Motorola, Scottsdale AZ, the lab that performed the original certification tests on this transmitter and prepared the test report submitted as Exhibit 6 to this application.

Figure 2 was at 5 MHz/division to indicate compliance at the lower LMDS band edge.

Figure 3 was at 500 MHz/division to indicate compliance over the +/- 250% region around the center of the LMDS band, to indicate compliance in the -56 dBc region of the emission limit specification.

We hope that we have satisfactorily answered your question and provided the data that you require to complete your review of our application. Please advise if you require further data or explanation regarding the testing or test results.

Sincerely,

A handwritten signature in black ink, appearing to read "E. W. Paschetag", is positioned to the left of a vertical line.

E. W. Paschetag

EMI/EMC Engineering
Spectrapoint Wireless LLC

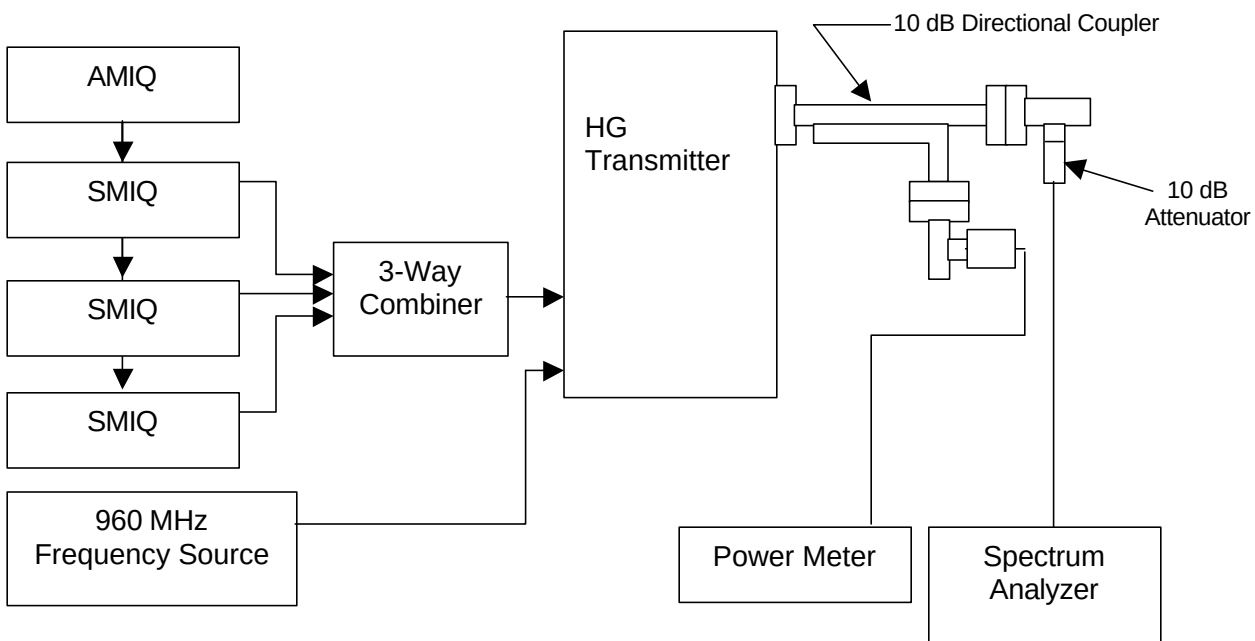


Figure 1 -- Test Setup for Antenna Conducted Testing on the SpectraPoint High Gain Transmitter (RF Power Measurement, Occupied Bandwidth & Emission Limitations)

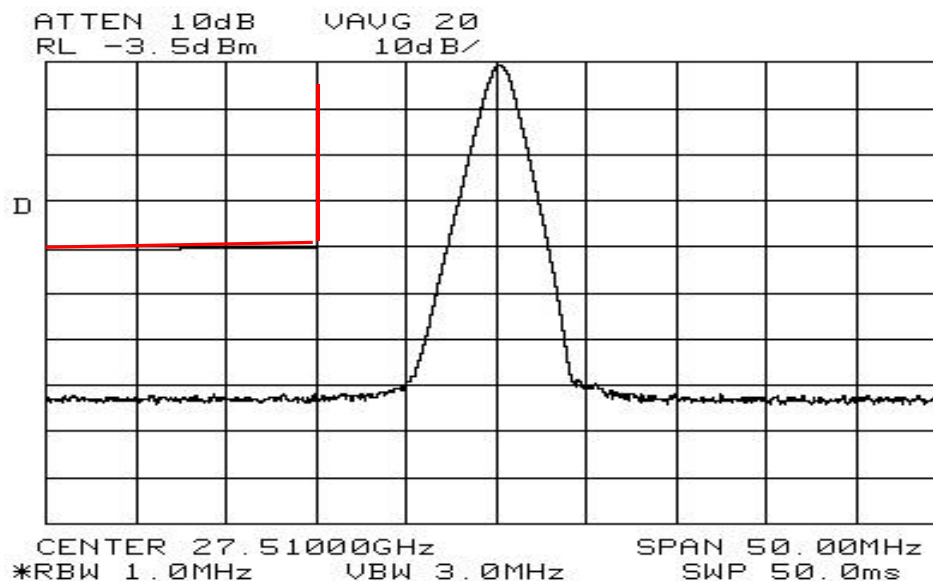


Figure 2 -- Spectrum Analyzer Scan of the Pilot Tone, 27510 MHz,
1.0 Watt RF Output, 5 MHz/div

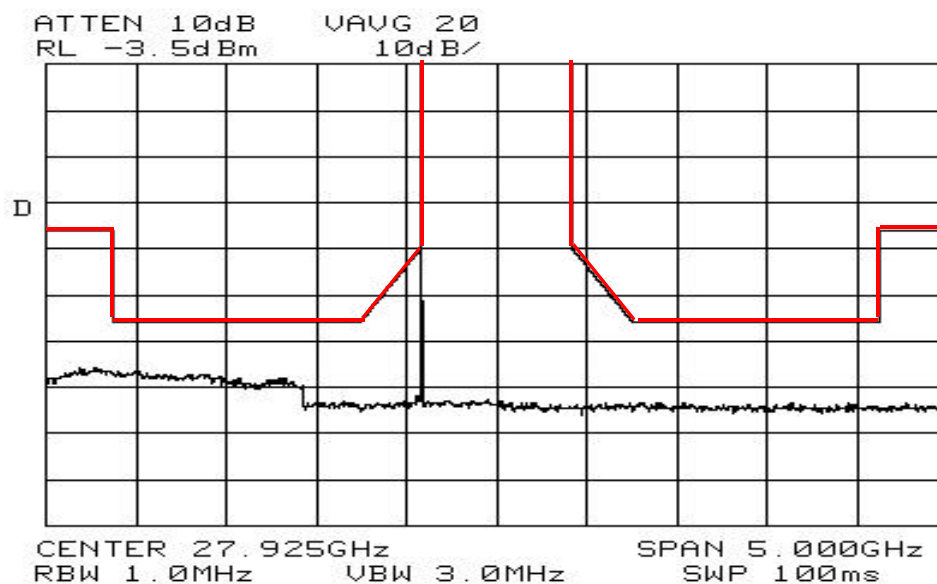


Figure 3 -- Spectrum Analyzer Scan of the Pilot Tone, 27510 MHz,
1.0 Watt RF Output, 500 MHz/div