FCC ID QF73101D
Applicant: Geophysical Survey Systems,Inc.
Correspondence Reference Number: 24072
731 Confirmation Number: EA461886

1) The unit is designed so that there is only low-frequency spurious signals into the air. Those spurious signals are what is measured by the required tests. The higher frequency signals are sufficiently attenuated by the ground, through which they must pass. A plot of the 10dB bandwidth is submitted as a Test Report Exhibit file name 3101D_10dB_plot.pdf
2) The antenna is entirely within a shielded metal box. Only the bottom is open (where the fans are). All of our antennas are shielded to avoid clutter from the surrounding area. This is a severe problem with unshielded antennas. The shielding is a five-sided box made from Aluminum. The emissions test had the receiving horn and log periodic vary from 1 meter to 4 meters above the DUT. This has demonstrated that the shielding is sufficient to keep the air emissions below the spec curve
3) A revise photograph of the labels and location have been submitted as a label exhibit with the file name QF73101D LABELS REV B.doc
4) A schematic of the transmitter has been uploaded as a Schematic Exhibit, file name QF73101E Transmitter Schematic.pdf
5) A complete set of internal photos was uploaded on 8/13/2002. The antenna is the PCB structure labeled "FAN PC BD FROM BOTTOM SIDE"
6) A revised test report is submitted with file name 3101D_report_RevD.pdf. It includes:
   - Settings of the spectrum analyzer during RMS measurements (RBW, VBW, Detector, sweep time)(including during Tmax $\pm$0.5ms) p11
   - test data from 960-1000MHz using a log periodic antenna p14
   - table and plot of 10dB bandwidth p17-19