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Re: FCC ID QF74108F
Applicant: Geophysical Survey Systems, Inc.
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731 Confirmation Number: EA454448

1) The data table in Figure 4.2.1 appears to be incorrect. For example the
data at 961.5 MHz shows:

-56.96 dBm + 107 = 47.0 dBuV/m measured

47.0 dBuV/m (measures) + 23.8 (AF) -35 dB (Pre-amp) + 2.5 dB (Cable loss) =
38.3 dBuV/m (Corrected field strength @ 3m)

Limit = -65.3 dBm
EIRP (dBm) = Eo (dBuV/m) - 95.28 @ 3m
Limit = 29.98 dBuV/m

It appears that you are over the limit. Please explain

As with other applications, data for 1MHz RBW included the correction factor for dBm to dBuV/m in the raw data. The data table has been changed in accordance with previous applications to show the dBm to dBuV/m in a separate column. The resulting EIRP did not change.

Plots of RMS data were incorrect. Correct plots were added.

2) Also, due to the new AC power line requirements, please provide the AC power line data.

The AC power line test must show compliance with the requirements for the transmitter.

Data for the SIR-20, which is the only component connected to the mains, has been added