

Subject: Use of 1600 MHz Antenna in Nuclear Power Plants

To Whom It May Concern,

In 1984, Geophysical Survey Systems, Inc. was requested by the nuclear industry to design a Ground Penetrating (GPR) antenna specifically for Nuclear Power Plants. This resulted in an earlier version of GSSI's Model 5100B antenna. This class of antenna has been used in both operating and non-operating nuclear plants for 25 years without problem. The FCC (Federal Communications Commission) has stated publically that they have never had a complaint of interference from such antennas.

The power output of the 5100B antenna is 0.01 milliwatts (0.00001 Watts). This is a small fraction of the power of a cell phone.

The FCC has certified that the emissions of the Model 5100B antenna meet the requirements of an unlicensed Ultra-Wideband (UWB) transmitter.

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