

To Whom it May Concern:

This is to certify that electromagnetic radiation emissions from transducers (antenna with transmitting and receiving electronics) manufactured by Geophysical Survey Systems, Inc. (GSSI) DO NOT constitute a safety or health hazard to operating personnel.

Emissions from GSSI transducers are far below the 10mW/cm² (100W/m²) level specified by the United States Occupational Safety and Health Administration (OSHA) regulations

Paragraph 1910.97 states:

"For normal environmental conditions and for incident electromagnetic frequencies from 100 MHz to 100 GHz, the radiation protection guide is 10 mW/cm² (milliwatt per square centimeter) as averaged over any possible 0.1 hour period."

Emissions data using GSSI GPR products with the antenna Frequencies listed and levels of Electromagnetic Radiation are specified herein:

Following is the average power density data at 5cm and wide band.

ANTENNA (MHz)	AVERAGE POWER DENSITY (mW/cm ² @ 5 cm)	OSHA SPEC. (mW/cm ²)
100	Less than 0.015	10
200	Less than 0.002	10
270	Less than 0.001	10
300/800	Less than 0.0002	10
350	Less than 0.0002	10
400	Less than 0.0002	10
500	Less than 0.00001	10
900	Less than 0.00001	10
1000	Less than 0.00001	10
1500	Less than 0.00001	10
1600	Less than 0.00002	10
2000	Less than 0.0006	10
2600	Less than 0.0015	10
Terravision	Less than 0.00001	10

GEOPHYSICAL SURVEY SYSTEMS, INC.

Christopher L. Plumlee
Quality Manager
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