

Randy's Electronics
303 Alsace Way
Colorado Springs, CO 80906

We are using low powered equipment supplied by GPS Source. The system consists of an active antenna mounted outside, cable routing the signal indoors, and a 10dB amplifier with leaky cable attached to the output. No transmit antenna is used. Even though this system does not use a transmit antenna we want to make sure we meet guidelines set by the NTIA for interference. The calculated signal strength 100 feet from my building is .000000099pW (see attachment).

Address of NTIA Section 8.3.28:

1. Only one location
2. NR
3. NR
4. NR
5. Fixed in building
6. Owner of building and user of equipment
7. If I use the calculator by GPS Source the signal level is -160dBm at 100 feet from the building. But I am told this calculation does not apply if I am not using a transmit antenna and the signal level will be much lower if at all detectable.
8. Contact is Randy Meyer at 719-494-5158

The program of research is to determine if GPS navigation devices with a live signal will enable consumers to spend more time familiarizing themselves with the products. Currently the demo software does not let the user interface with the GPS navigation devices and become educated about the features and use of GPS equipment.

This test will require a live signal brought into the building and leaked around a 6' by 2' table. Cable drops for individual devices will not work due to the lack on external antenna input connections on the GPS devices under test.

This type of setup will allow new and potential users of GPS to become familiar with current GPS devices on the market and expand the utilization and use of GPS equipment by the general public. As it stands now, there is no way for customers to get hands on experience without using GPS devices outdoors.

Regards,

Randy Meyer