

Question 7.

DRS Soneticom, Inc. and its parent company DRS Signal Solutions, Inc. are manufacturers of high performance, wide bandwidth, software definable radio receivers and receiver systems. These radios and receiver systems have use for both commercial and military applications and may receive a variety of radio waveforms over a broad frequency spectrum.

DRS Soneticom develops “state-of-the-art” signal processing algorithms used in radio receivers such as demodulation, channel equalization, transmitter characterization, etc., for a variety for industry wireless standards, as well as, proprietary waveforms.

While a majority of the research and development for our products is performed in a controlled laboratory environment, the laboratory environment does not adequately support the generation of signals with the same temporal and spatial properties of signals typical of a “real-world” environment. To continue our on-going internal research and development and will as serve our customers on customer-funded development contracts, it is necessary to transmit waveforms having known characteristics, have the signal propagate through a typical signal environment, and collect the resulting signals for analysis.

DRS Soneticom respectfully requests authorization to transmit signals under the conditions specified in this application and per guidance established by the FCC for experimental purposes such that DRS may continue its research and development to improve the “state-of-the-art” of broadband, software defined radio receivers and receiver systems.