

## **ELTA North America Request for FCC Experimental License**

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### **Modulating Signal Description**

The ELTA EL/M-21066NG radar is a transportable, tactical, air-surveillance radar that operates in the 1280 to 1360 MHz frequency band. The modulating signal is a linear FM pulse with the characteristics shown in Table 1.

**Table 1 – Pulse Characteristics**

Pulse repetition frequency	3 - 6	kHz
Pulse width	22	$\mu$ s
Pulse rise/fall time	50	ns
Frequency deviation bandwidth	0	MHz
Compression ratio	44	-