

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	μs
Pulse rise/fall time	50	ns
Frequency deviation bandwidth	0	MHz
Compression ratio	44	-