

Attachment for:

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Description of radar

The Numerica Spyglass radar configuration is four (4) 90-degree panels for 360-degree coverage. The radar transmits 64 W of peak power, and has a 33% duty cycle, for 21W average power. The antenna gain is 25.6 dBi, which leads to an average ERP of 3.33kW (10kW peak).

Modulating waveform description

The radar waveform is a standard linear frequency modulated (LFM) pulse train with a pulse duration of 16 us pulse and 64 us pulse repetition interval. The pulse bandwidth is 20 MHz.