

Exhibit
GA Lynx SAR Test Range
Particulars of Operation

Frequency MHz(A)	Power Watts(B)	ERB dBW(C)	(D)	Emission (E)	Modulating Signal (F)	Necessary Bandwidth kHz(G)
16,700	0.003	3.6	Mean	3G00F3N	Radar Chirp	3,000,000

Notes:

The signal is a radar chirp. It consists of a series of equally time-spaced pulses. Each pulse is frequency modulated with a broadband chirp. The required bandwidth of the chirp is 3 GHz.

- (E) As is common in synthetic aperture radar (SAR), a chirp is transmitted and information is obtained from the characteristics of the return signal. Each transmitted chirp is substantially identical and carries no information. Information is contained, though, in the radar echo. This information takes the form of the time delay of the echo and of small doppler shifts within the echo that are contained within the necessary bandwidth.
- (F) The modulating signal is a linear frequency modulated chirp