

A total of 40 frequencies in the 1.5 - 29.999MHz Range is required to support this demonstration. The HF-8000 Series Radio is a Frequency Hopping radio and requires 20 Frequencies with 1KHz separation to create a Hopset. The sytem will be operated in two nets 1-Narrow Band and 1-Wide Band. I attempted to contact your office to discuss this request since there in no place to provide this level of detail.

**Questions pertaining to this request should be directed to Marque Davis
817-301-7093 or 817-231-4473.**

Type of TX-RX	HF-8000 (NB)	HF-8000 (WB)
Operational Requirements		
Frequency Range	1.5–30 MHz	1.5–30 MHz
Number of Frequencies	20	20
Simplex/Duplex (S/D)	S	S
Minimum Frequencies between TX & RX	N/A	N/A
Minimum Frequencies Between TX	N/A	N/A
Transmitter (TX)		
Emission Designator (BW)	3K00N1D	25K00N1D
TX PWR	20-125W	20-125W
Antenna Type	HLA/HTDA	HLA/HTDA
Antenna Model/Name	Elbit's Proprietary	Elbit's Proprietary
Antenna Gain (dB)	HLA: -9.9 – 0.5 dBi HTDA: -5.1 – 5.6 dBi	HLA: -9.9 – 0.5 dBi HTDA: -5.1 – 5.6 dBi
Antenna Orientation	ND	ND
Antenna Polarization	V	V
Receiver (RX)		
Antenna Type	HLA/HTDA	HLA/HTDA
Antenna Model/Name	Elbit's Proprietary	Elbit's Proprietary
Antenna Gain (dB)	Elbit's Proprietary	Elbit's Proprietary
Antenna Orientation	ND	ND
Antenna Polarization	V	V