

*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)                                |
|-------------------------------------|---------------------------------------------|---------------------------------------------|
| <b>Operational Requirements</b>     |                                             |                                             |
| 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                                         |
|                                     |                                             |                                             |
| <b>Transmitter (TX)</b>             |                                             |                                             |
| 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<br>HTDA: -5.1 – 5.6 dBi | HLA: -9.9 – 0.5 dBi<br>HTDA: -5.1 – 5.6 dBi |
| Antenna Orientation                 | ND                                          | ND                                          |
| Antenna Polarization                | V                                           | V                                           |
| <b>Receiver (RX)</b>                |                                             |                                             |
| 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                                           |