

## HF Licensing Summary

Frequencies			
FCC TABLE OF FREQUENCY ALLOCATIONS [page no.]	Lower limit [MHz]	Upper Limit [MHz]	Available BW [MHz]
8	5.06	5.45	0.39
9	6.765	7	0.235
9	7.45	8.1	0.65
10	10.15	11.175	1.025
11	12.1	12.23	0.13
12	14.35	14.99	0.64
13	16.2	16.36	0.16
13	18.168	18.75	0.582
14	19.02	19.68	0.66
14	20.01	21	0.99

Emission Parameters	
<b>Output Power</b>	2 kW Peak
<b>ERP</b>	28 kW Peak
<b>Modulating Signal</b>	FSK
	4-QAM
<b>Emission Designators</b>	24K0F1D
	24K0D1D
	48K0F1D
	48K0D1D
<b>Frequency Tolerance</b>	0.002%

Sites			
<b>City</b>	Elburn	Wayne	Everett
<b>State</b>	Illinois	New Jersey	Washington
<b>Latitude</b>	41° 55' 34"N	40° 56' 27"N	47° 55' 16"N
<b>Longitude</b>	88° 30' 00"W	74° 11' 59"W	122° 13' 38"W
<b>Street Address</b>	45W705 Beith Road	22 Hamburg Turnpike	426 E Casino Road
<b>County</b>	Kane	Passaic	Snohomish
<b>Antenna Horizontal Beam Width</b>	60	60	60
<b>Antenna Horizontal Orientation</b>	See HF Antenna Orientation Exhibit	See HF Antenna Orientation Exhibit	See HF Antenna Orientation Exhibit
<b>Antenna Vertical Orientation</b>	14	14	14
<b>Antenna Height Above Ground (m)</b>	30	51	55
<b>Ground Elevation (m)</b>	268	155	171
<b>Distance to airfield (km)</b>	10	10	4