3. Requirements:

3.1 Electrical

3.1.1 Bandwidth	824 - 849 MHz transmit 869 - 894 MHz receive 872 - 916 MHz transmit 916 - 960 MHz receive 890 - 915 MHz transmit 935 - 960 MHz receive
3.1.2 Return Loss	VSWR ≤ 1.5:1 over specified bandwidth
3.1.3 Nominal Impedance	50 ± 2.5 Ω
3.1.4 Power Rating	3 Watts
3.1.5 Polarization	vertical
3.1.6 Antenna Gain	0 dBi average in azimuth plane

3.2 Durability Tests

3.2.1 Temperature Shock	Assembly to be cycled between extremes of 85°C and -40°C, with a one-hour dwell time at each extreme, and a maximum ten-second transition between the two. Ten complete cycles to be performed with no visible structural damage or change in VSWR greater than ± 10%.

Temperature shock testing to be performed with a Tenney T5TS-73200C Thermal Shock Chamber (or comparable instrument).

3.2.2 Salt Fog	Assembly to be subjected to 500 hours of 5% neutral salt (NaCl) fog exposure at 35 ± 2°C with no visible deterioration of the exterior finish or change in VSWR greater than ± 10%.