



Excellence in Compliance Testing

Certification Exhibit

**FCC ID: HSW-934
IC: 4492A-934**

**FCC Rule Part: 15.247
IC Radio Standards Specification: RSS-210**

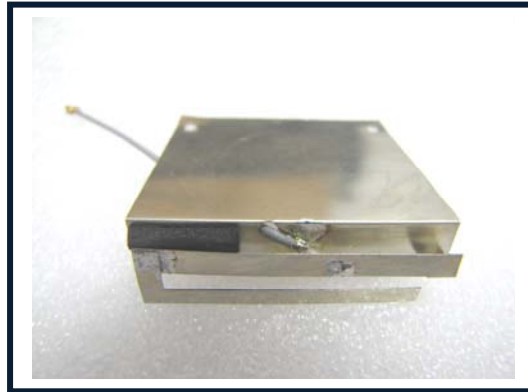
ACS Project Number: 11-0449

**Manufacturer: Cirronet, Inc.
Model: WIT-934**

Antenna Data Sheet



Picture of the Part



Application

This is a 915 MHz Antenna with a standard Hirose U.FL / IPEX connector that can be integrated onto various handheld devices. This can be mounted on any surface.

WP Wireless can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to trouble shoot system integration issues such as TRP/TIS and FCC requirements. WP Wireless specializes in developing customized Antenna solutions. Please contact sales@wp-wireless.com with your specific application requirements.

Electrical Properties

Parameter	Antenna Performance
Operating Frequency [MHz]	900 -930 MHz
Recommended Impedance of the customer Radio Module[Ω]	50Ω
VSWR - Typical	<2:1
Peak Gain [dBi] (Typical)	0.5 dBi
Efficiency [%] (Typical)	30%
Polarization	Linear
Pattern	Near Omni Directional
Accepted Power [W] (Max)	2 Watts

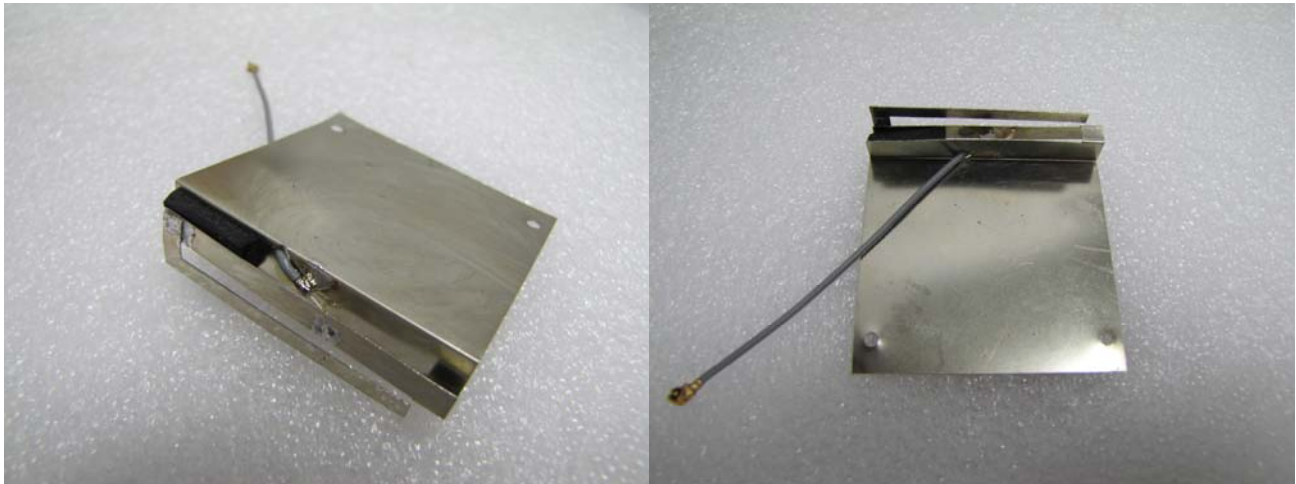
Note: The above mentioned performance metrics were recorded with the antenna embedded inside the client's device



Mechanical / Environmental Properties

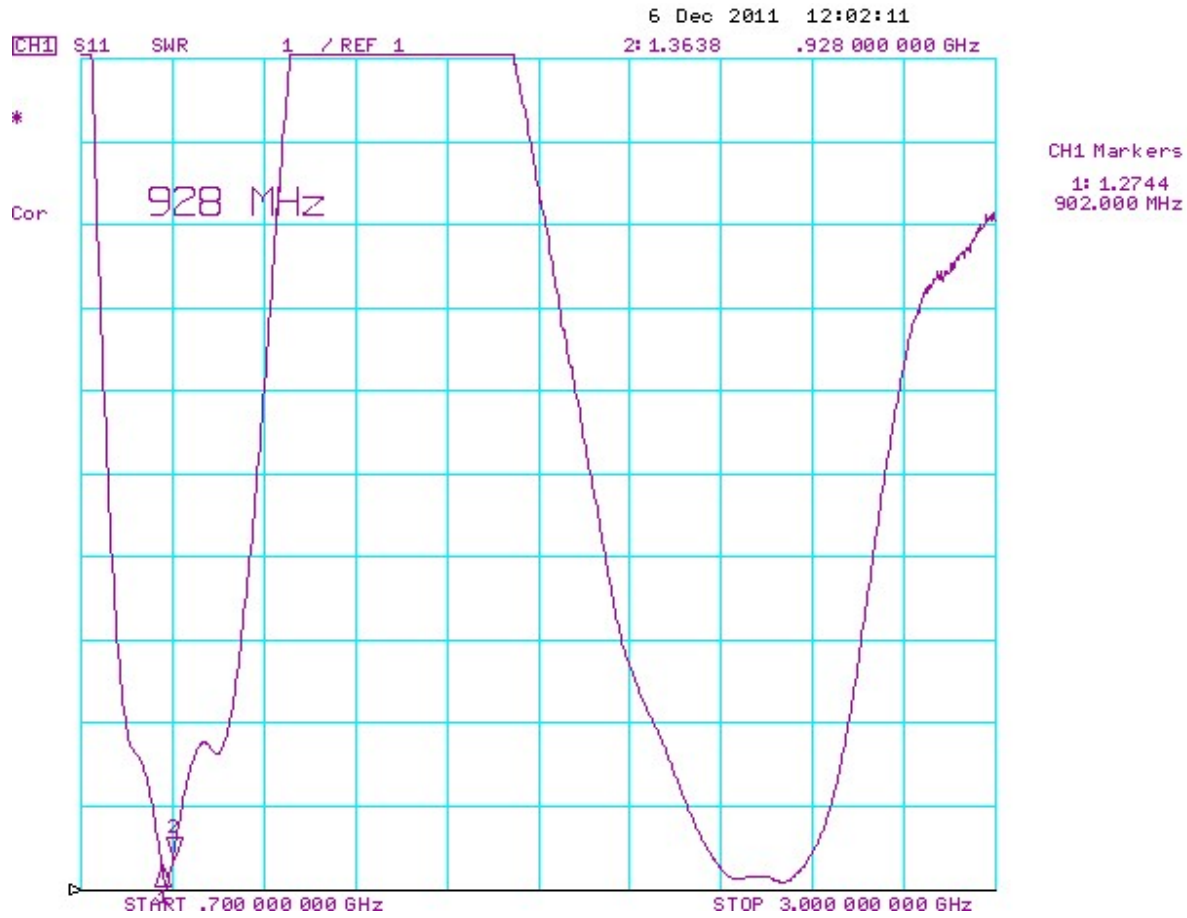
Item	Value
Antenna Dimensions	47.75mm X 46.50mm X 14.50mm (L X W X D)
Cable Length	80mm long (measured from the tip of the cable to the tip of the connector) 1.32mm Diameter Micro Co-ax
Connector	Hirose U.FL / IPEX
Antenna Color	Silver
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS compliant

Picture of the Antenna



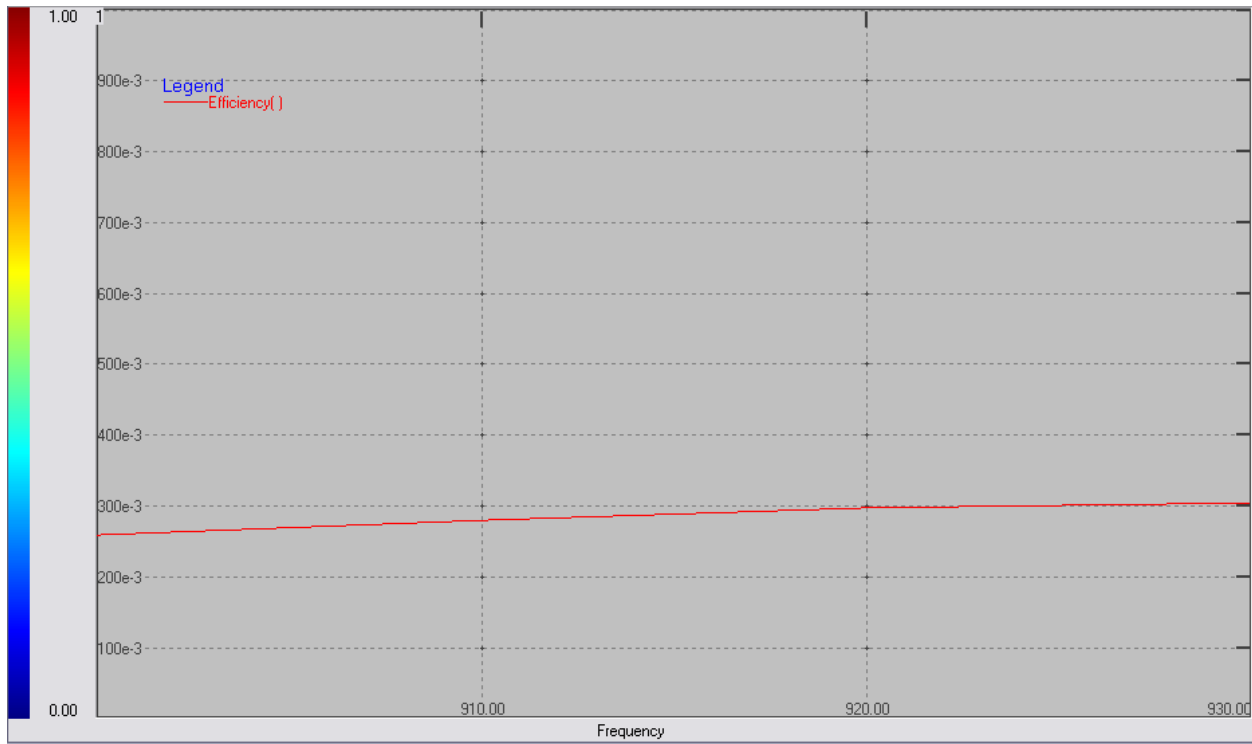


VSWR of the Antenna



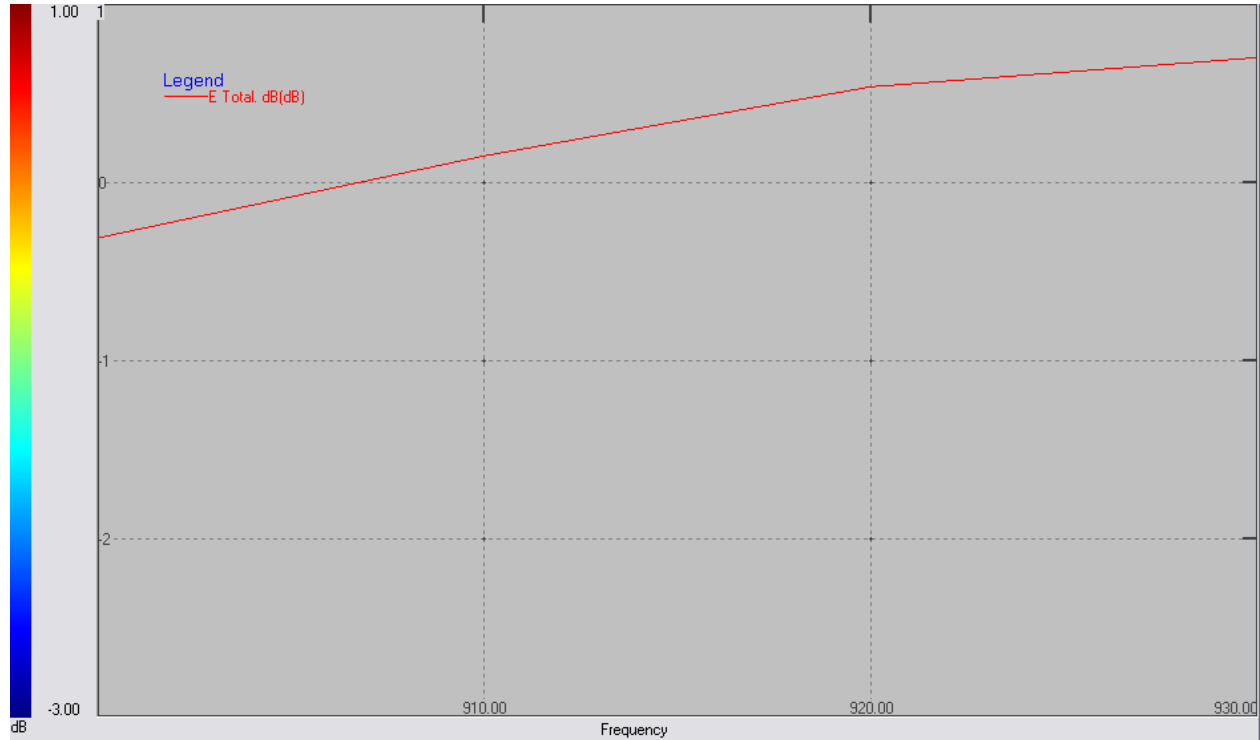


Efficiency of the Antenna in %



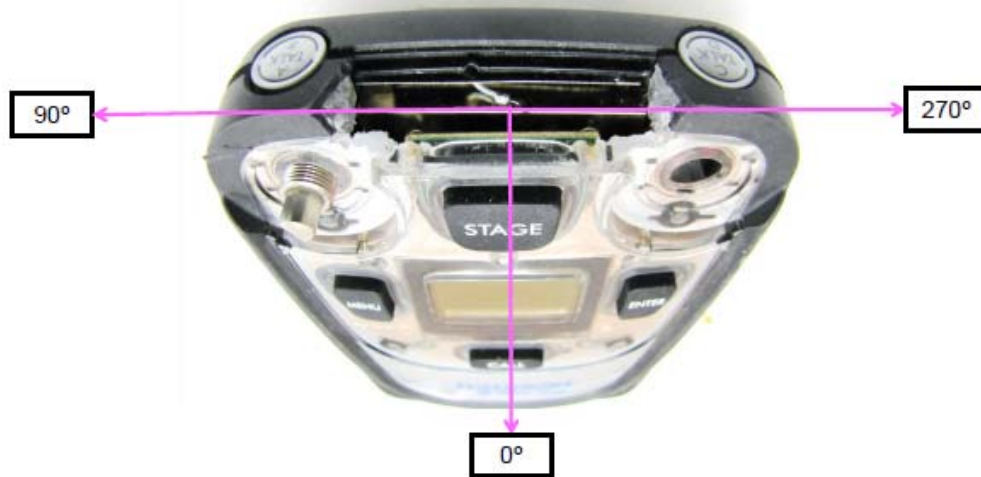
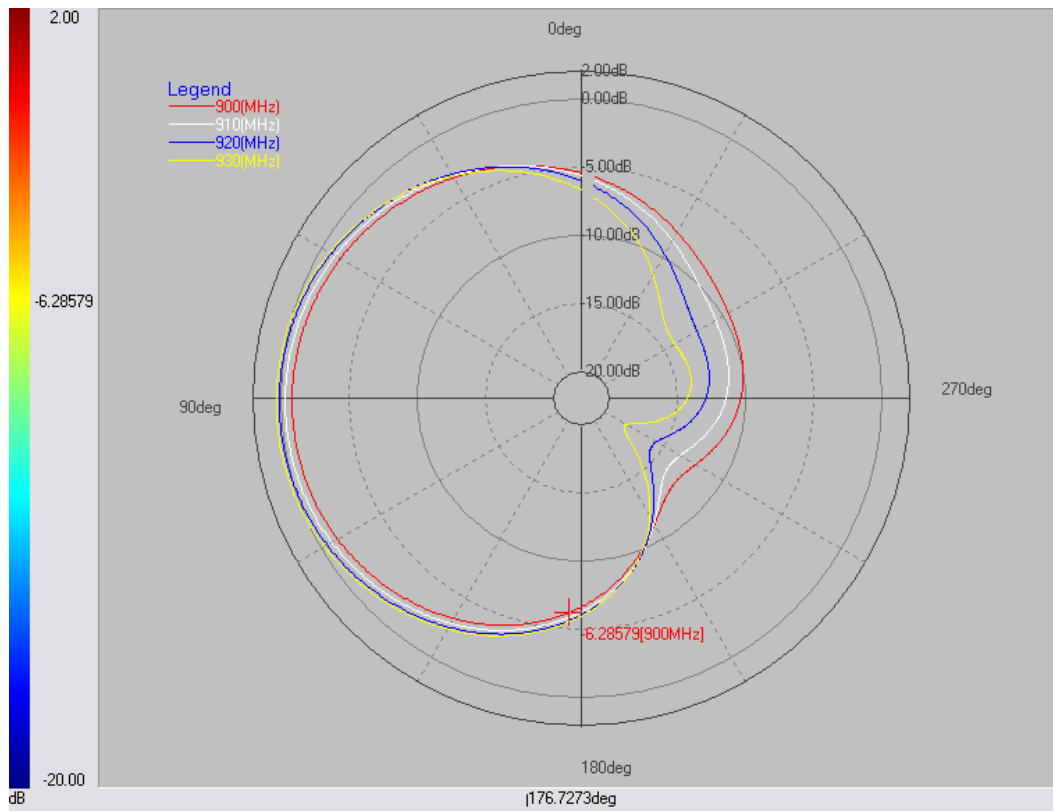


Peak Gain in dBi



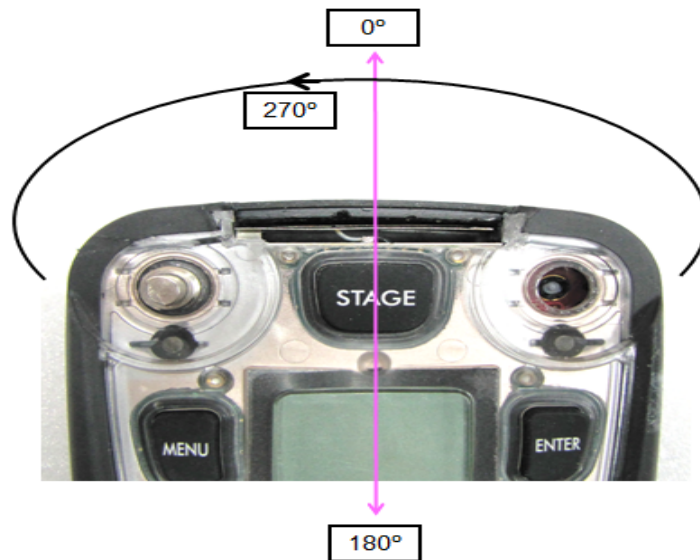
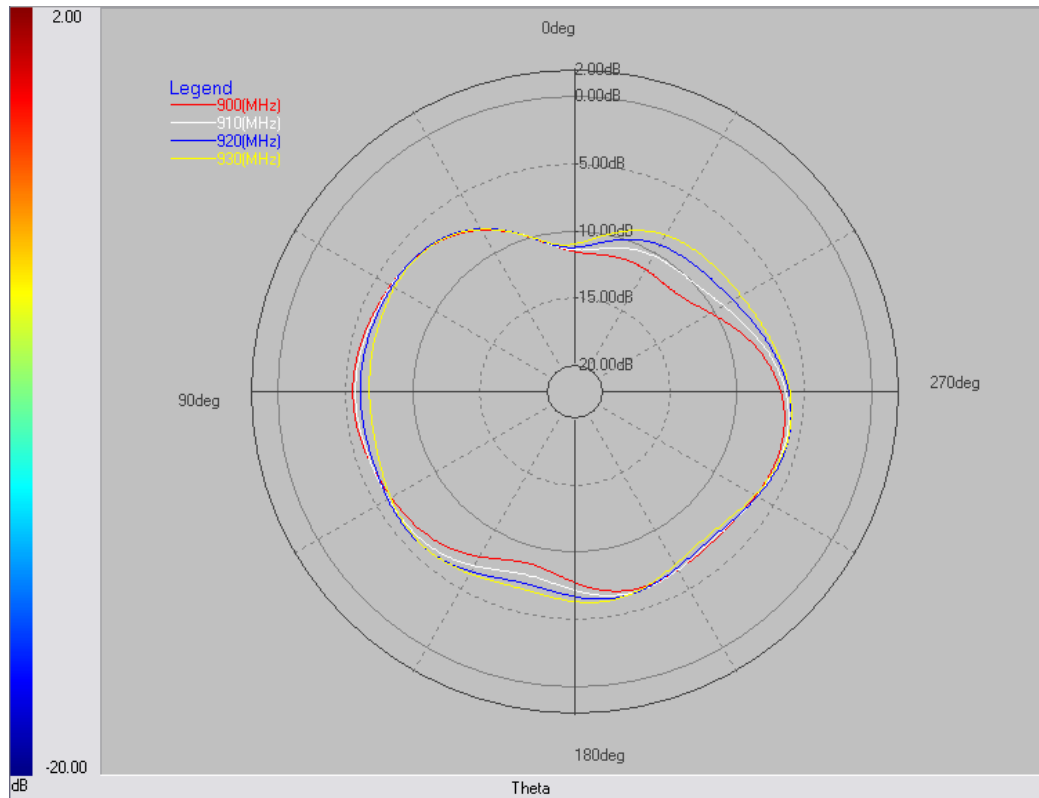


Azimuth Pattern



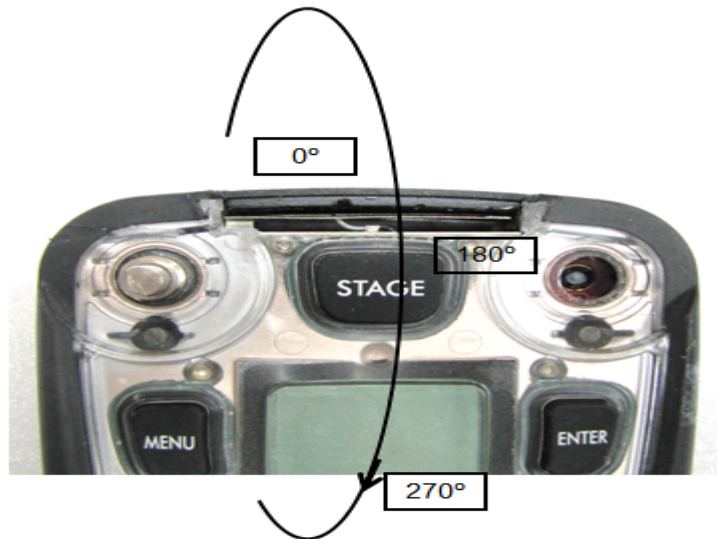
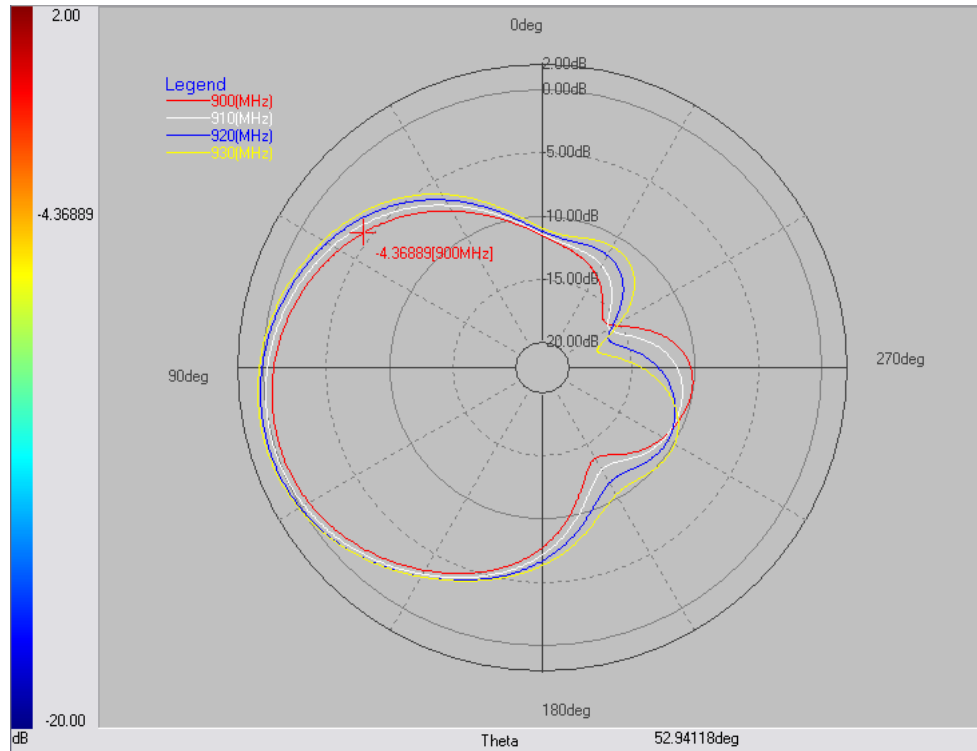


Elevation 1 Pattern





Elevation 2 Pattern





3D Radiation Pattern

