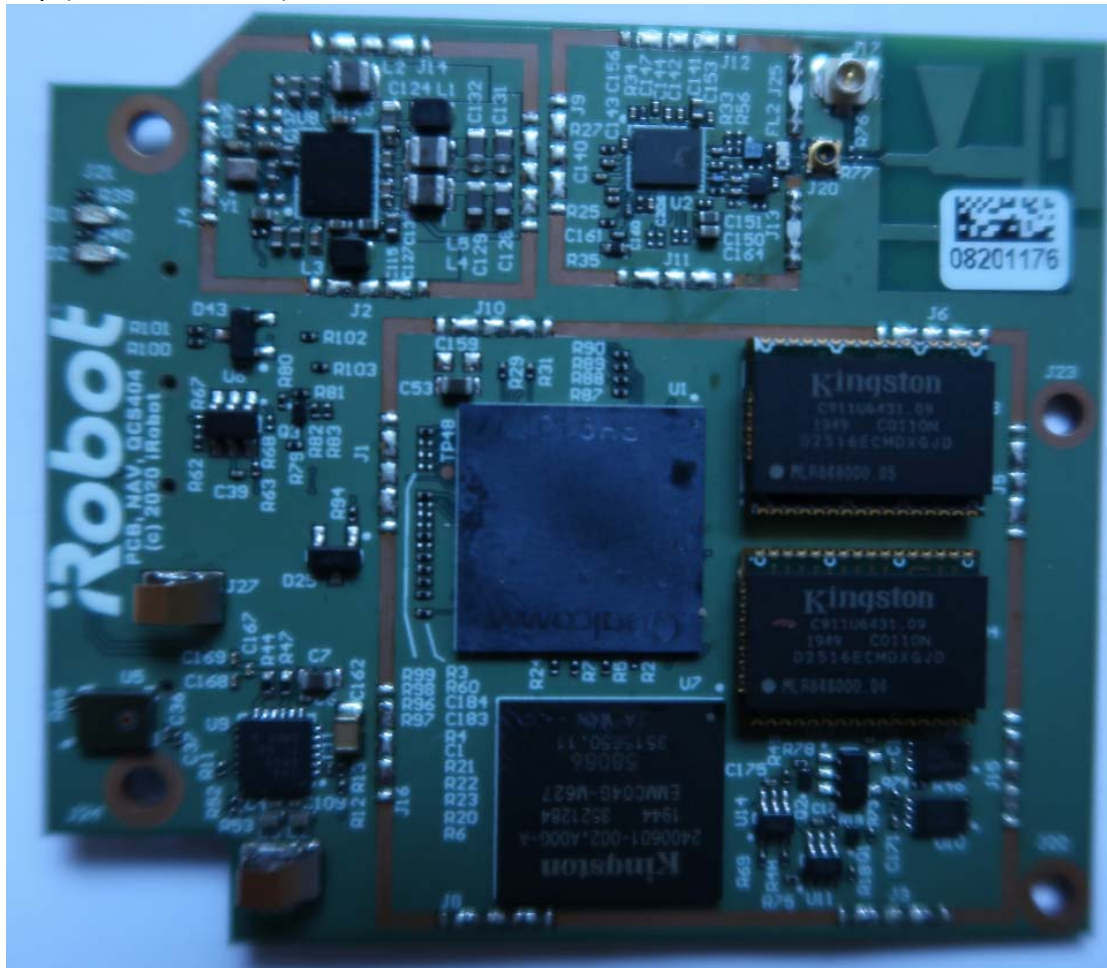


## Photos of the Sextant Radio Module Model AXG-Y1

Top:

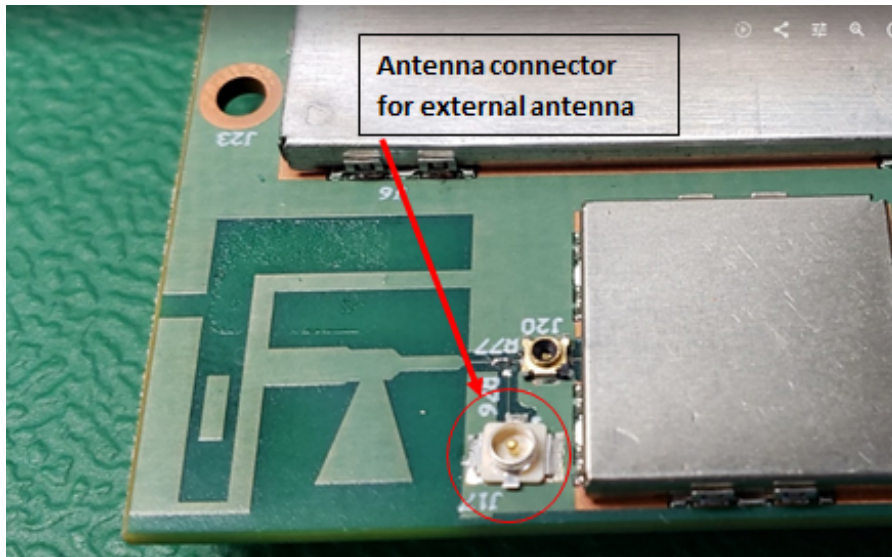


Top (Shield Removed):

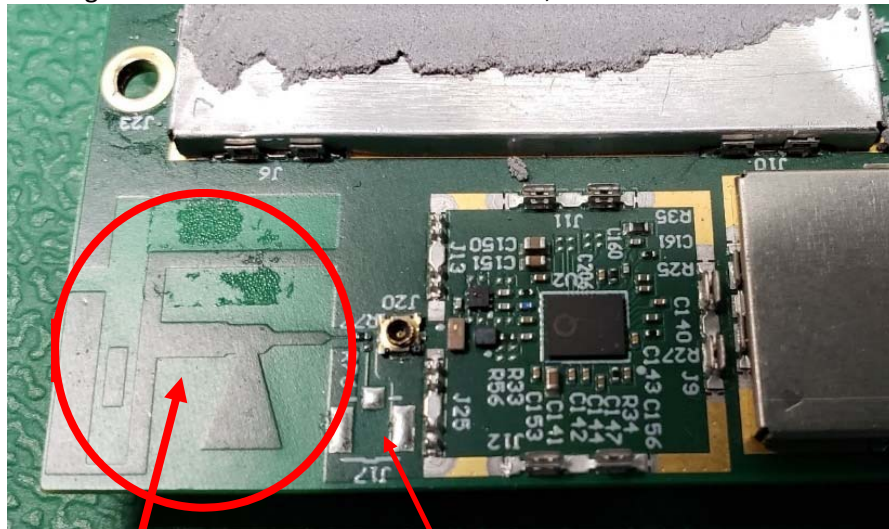


Antenna - PCB Trace Antenna.

R77 and R76 are the “steering resistors” which enable the PCB trace antenna OR the U.FL connector.



In designs that don't use an external antenna, this U.FL connector will be de-populated.



PCB Trace Antenna

u.FL connector is de-populated



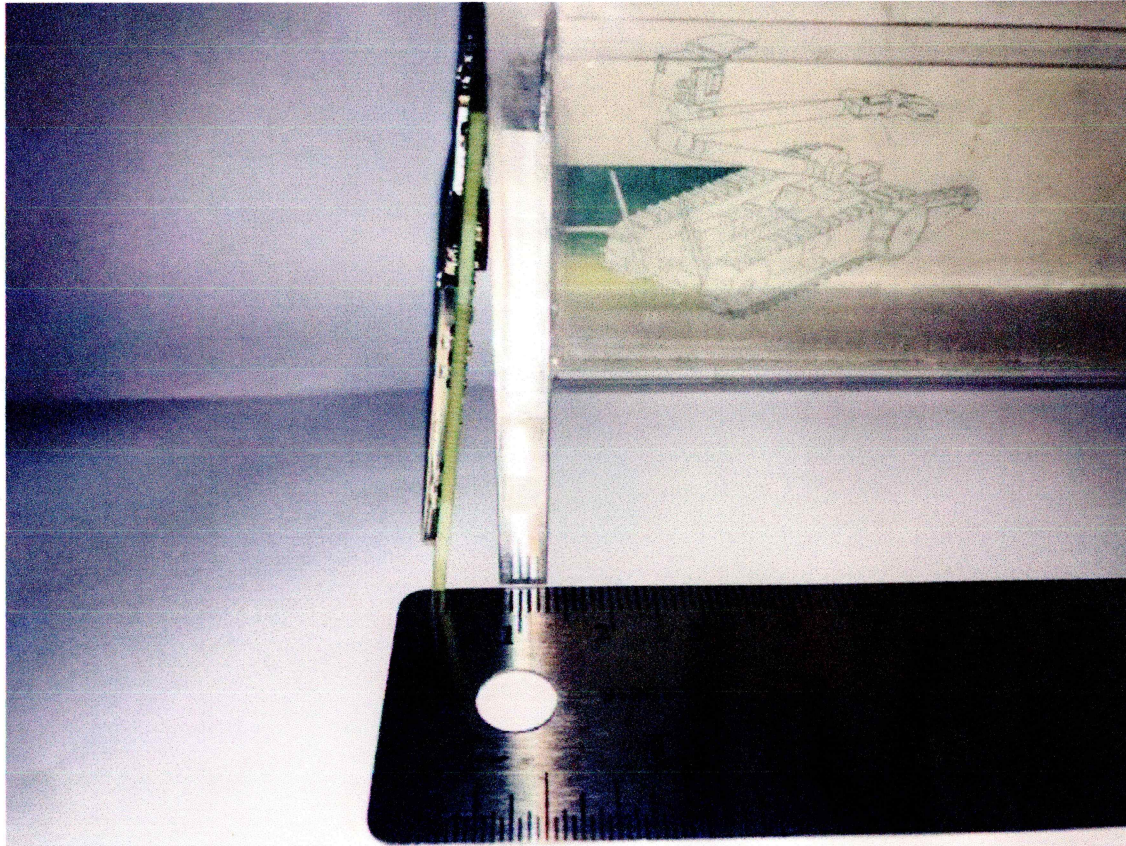
External Antenna:

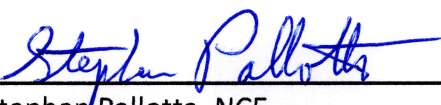


Bottom:



Side:



  
Stephen Pallotta, NCE  
iNARTE Certified Product Safety and EMC Engineer

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## **Alternate External PCB Antenna:**

**Walsin P/N: RFPCA381425OMLB301**

### Gain Information

2.4 - 2.5 GHz Maximum Gain = 2.21dBi

5.15 – 5.85 GHz Maximum Gain = 3.94dBi

	<b>Item</b>	<b>Specification</b>
	Working Frequency Range	2.4 ~ 2.5 / 5.15 ~ 5.85 GHz
	Return Loss	-10 dB(Max)
	Gain(peak)	2.21 dBi@2.4~2.5 GHz 3.94 dBi@5.15~5.85 GHz
	VSWR	< 2.0
	Impedance	50 Ohm Nominal
	Radiation	Omni-directional
	Polarization	Linear Vertical
	Operation Temperature	- 20°C ~ + 65°C

### **ELECTRICAL CHARACTERISTICS**

### **Photo of Walsin Antenna:**



Close up of Walsin antenna:

