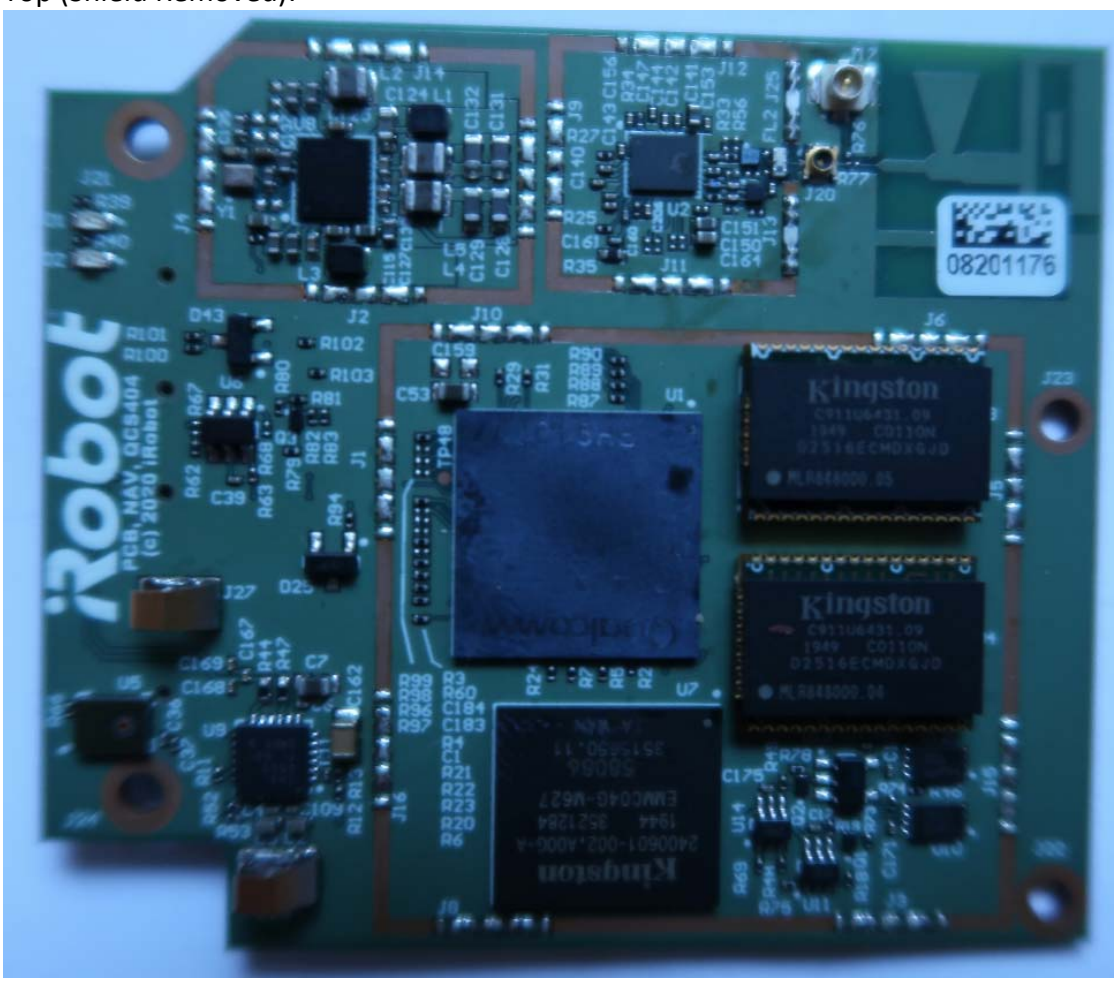
Photos of the Sextant Radio Module Model AXG-Y1

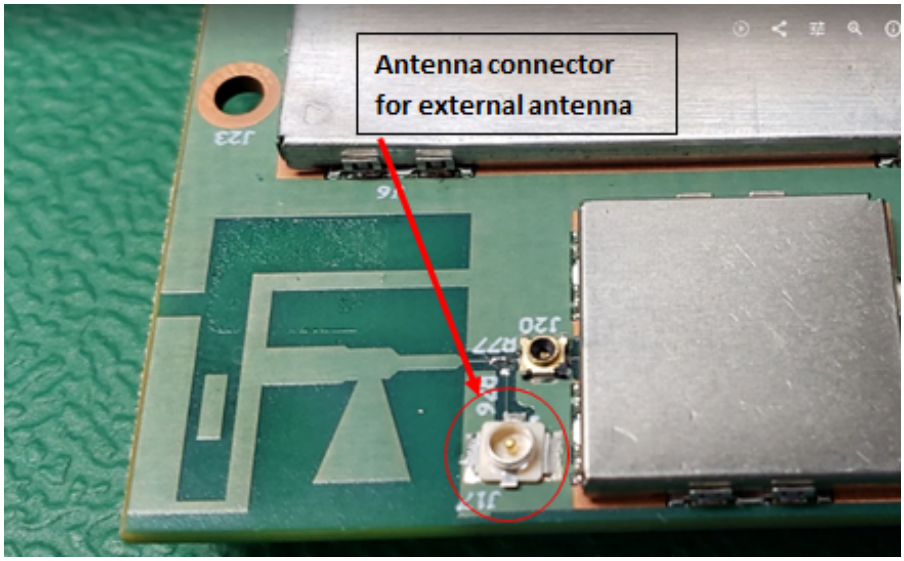
Top:

Top (Shield Removed):

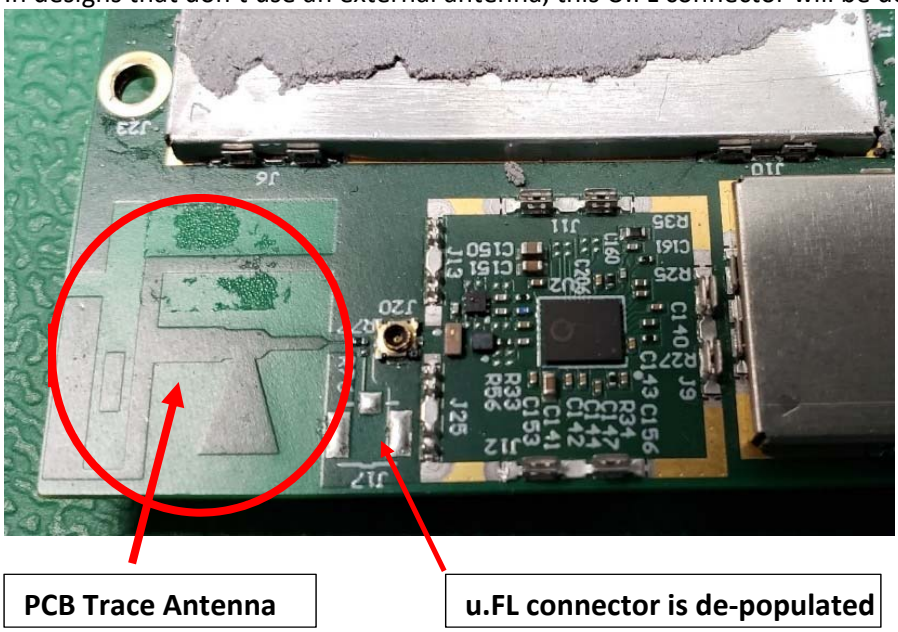


Antenna - PCB Trace Antenna.

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

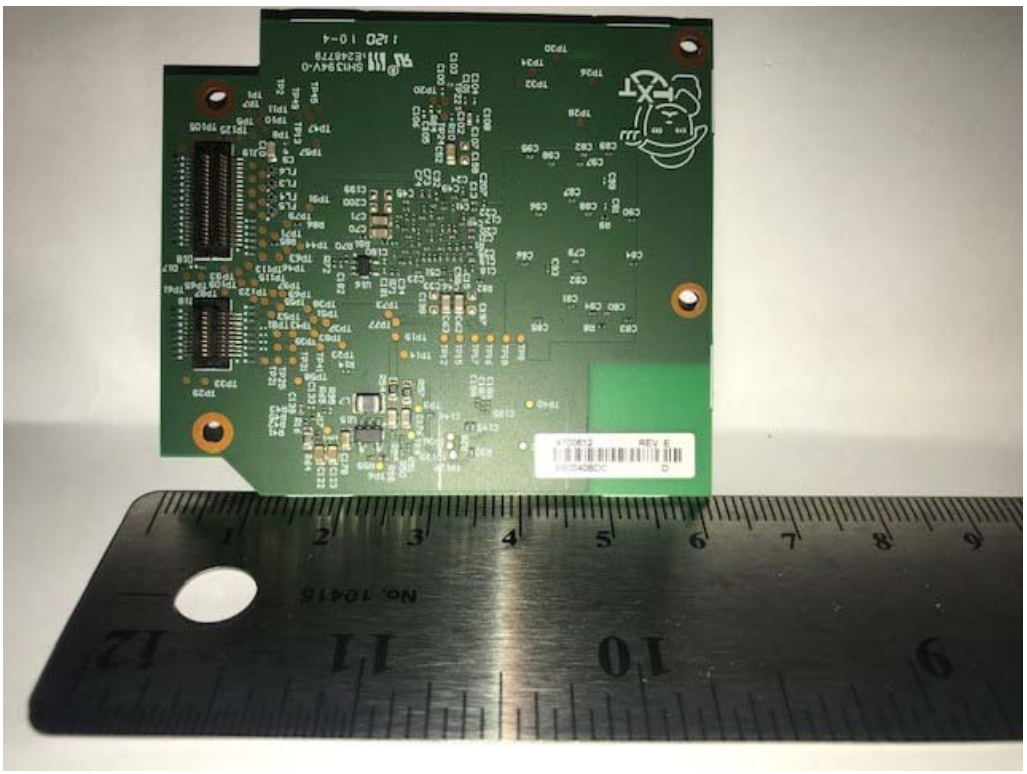


In designs that don’t use an external antenna, this U.FL connector will be depopulated.

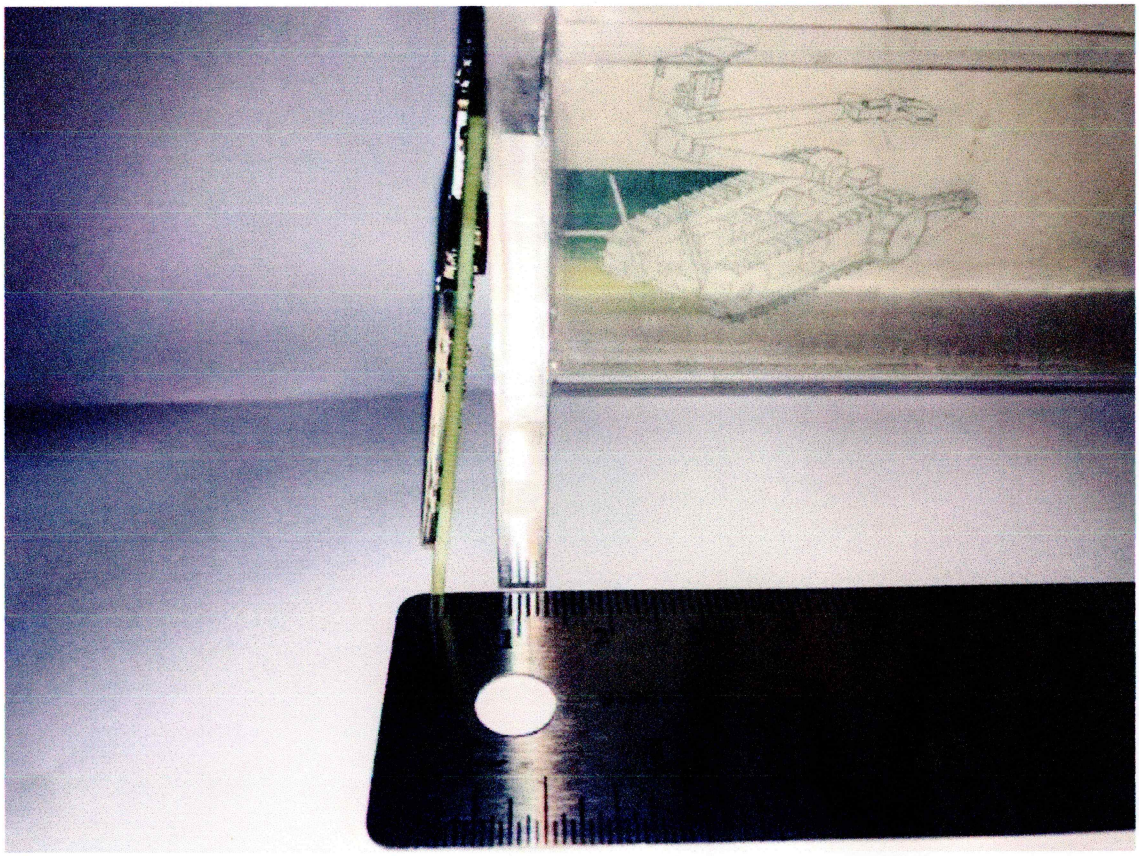


External Antenna:

Bottom:



Side:



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Alternate External PCB Antenna:

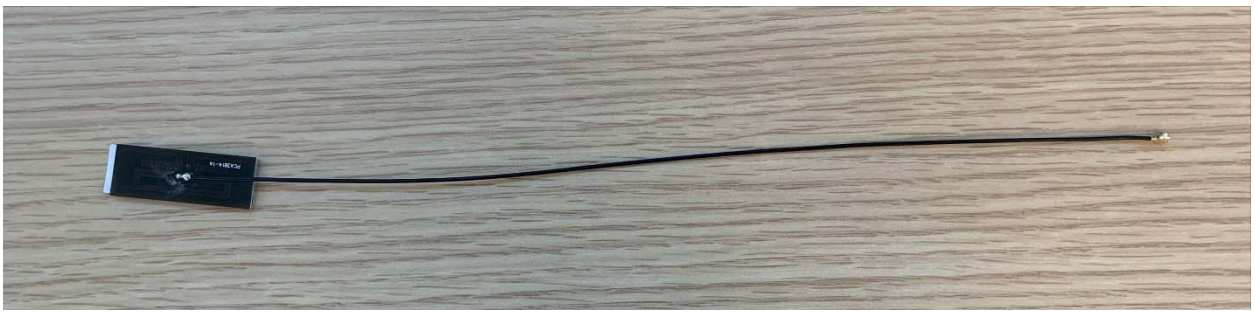
Walsin P/N: RFPCA381425OMLB301

Gain Information
2.4 - 2.5 GHz Maximum Gain = 2.21dBi
5.15 – 5.85 GHz Maximum Gain = 3.94dBi

	Item	Specification
	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℃ ~ + 65℃

ELECTRICAL CHARACTERISTICS

Photo of Walsin Antenna:



Close up of Walsin antenna: