

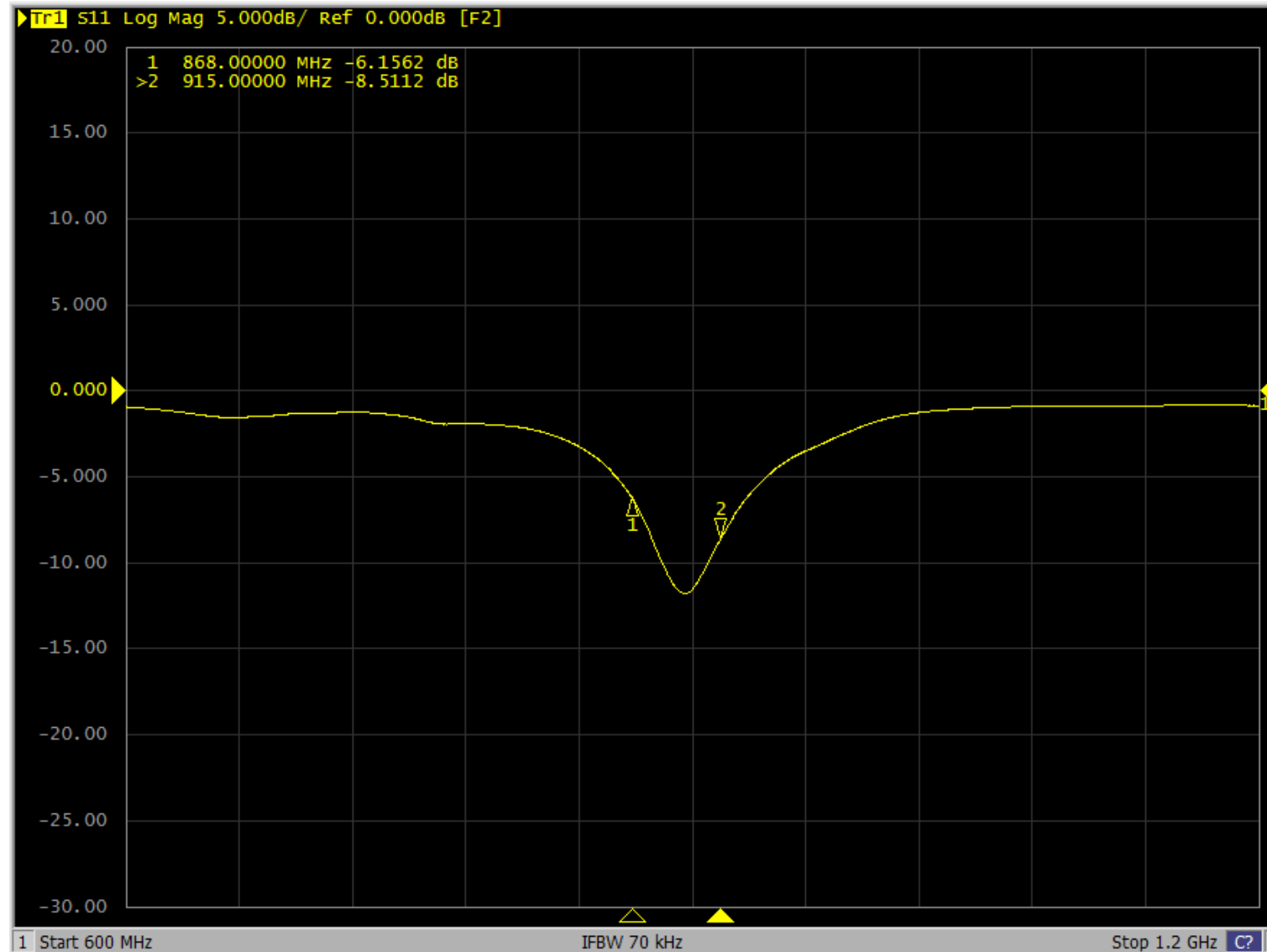


Cirocomm ISM Antenna Test Report

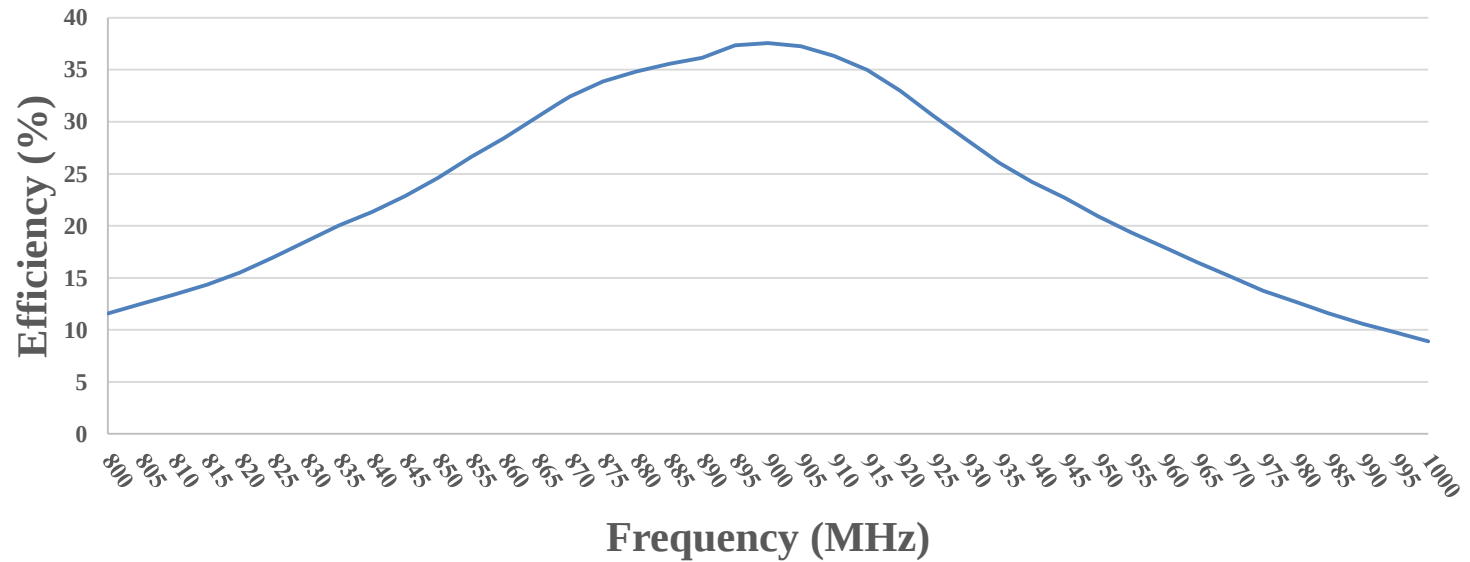
PCAY0S00

Date 2020/05/14
Author Mark

Antenna S11

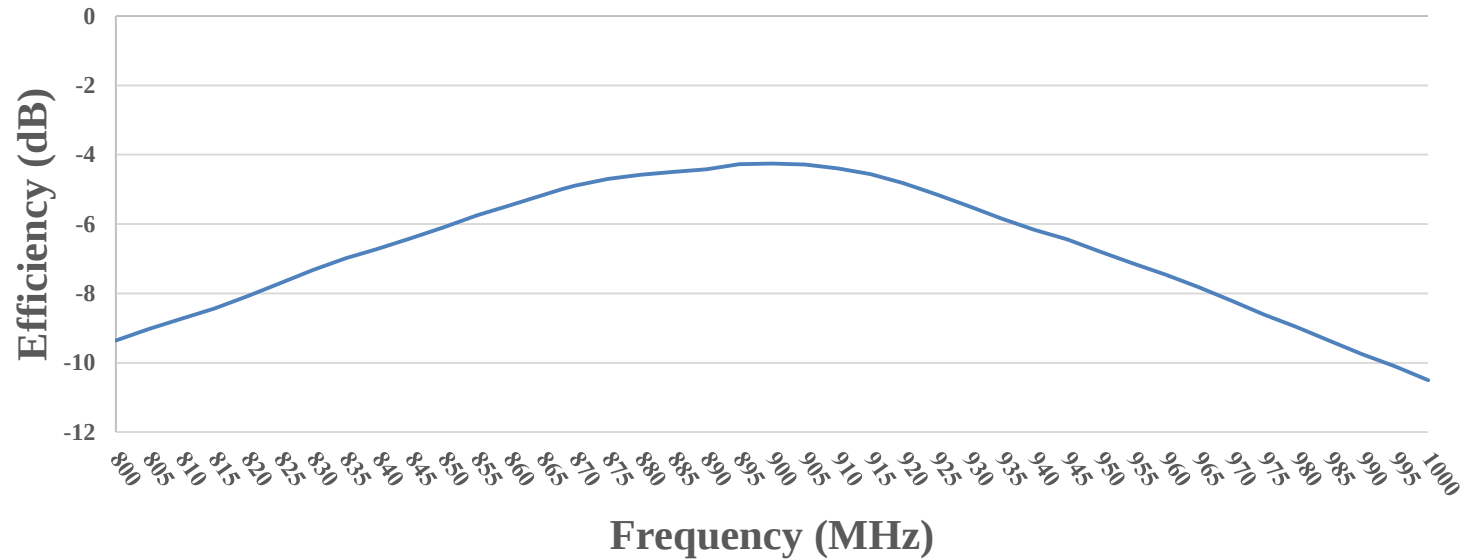


Antenna Efficiency



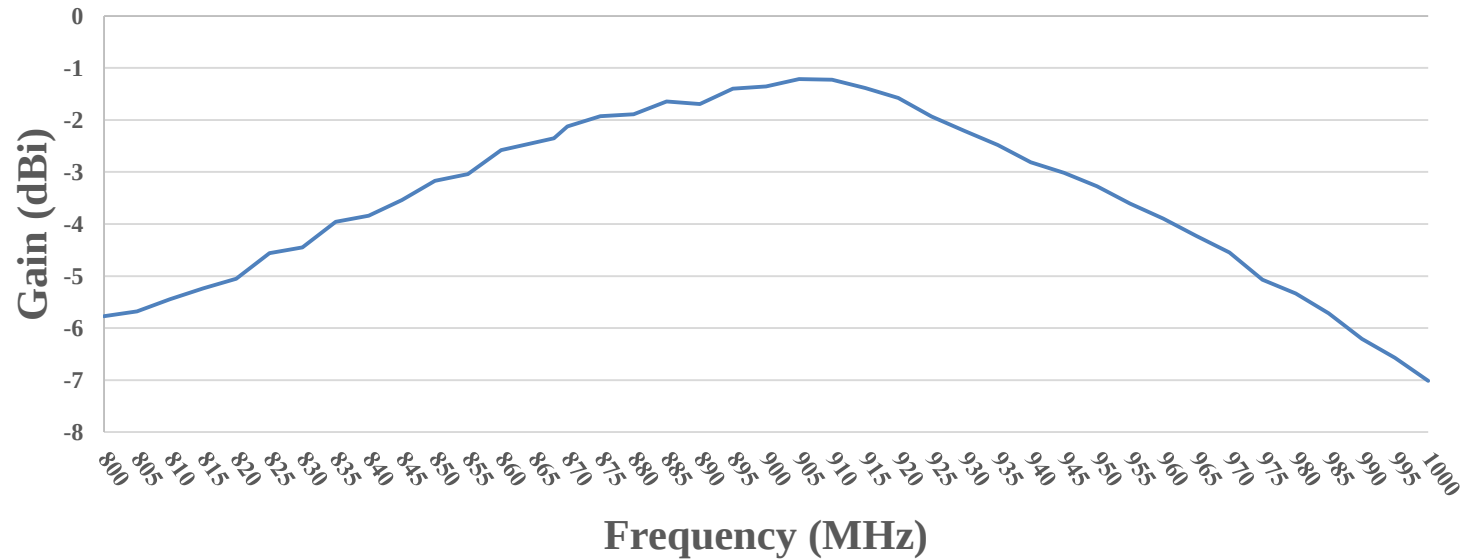
Frequency (MHz)	868	915
Efficiency (%)	31.65	34.99

Antenna Average Gain



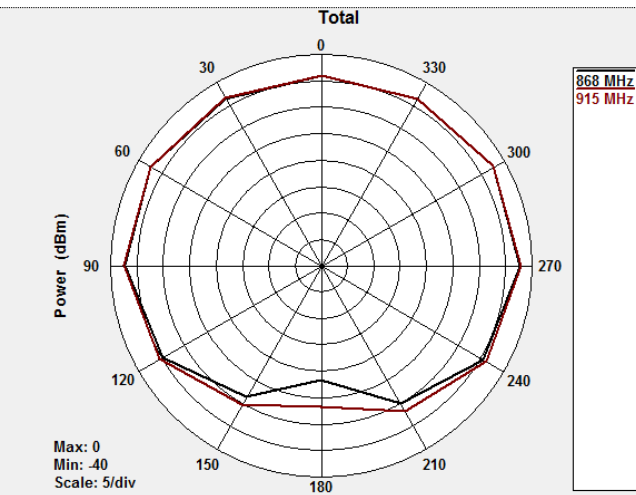
Frequency (MHz)	868	915
Average Gain (db)	-4.99	-4.55

Antenna Peak Gain

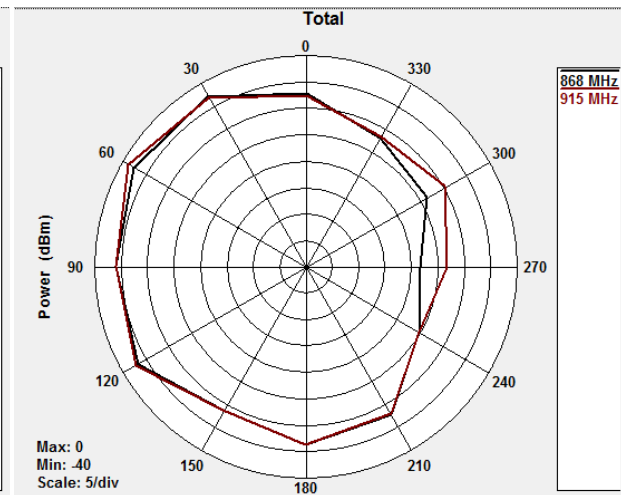


Frequency (MHz)	868	915
Gain (dbi)	-2.34	-1.38

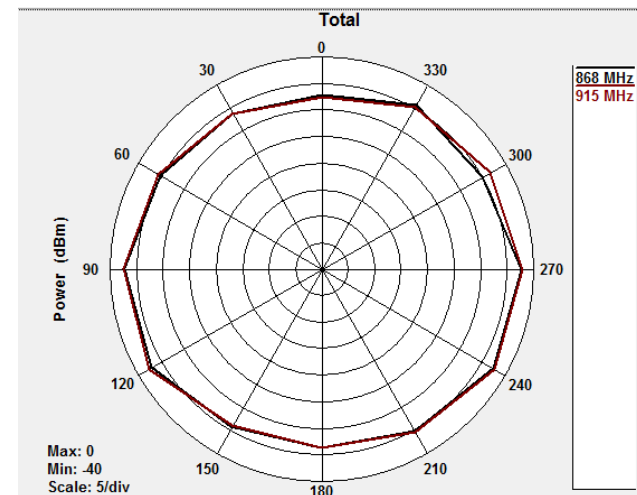
Antenna 2D Pattern



XY Plane

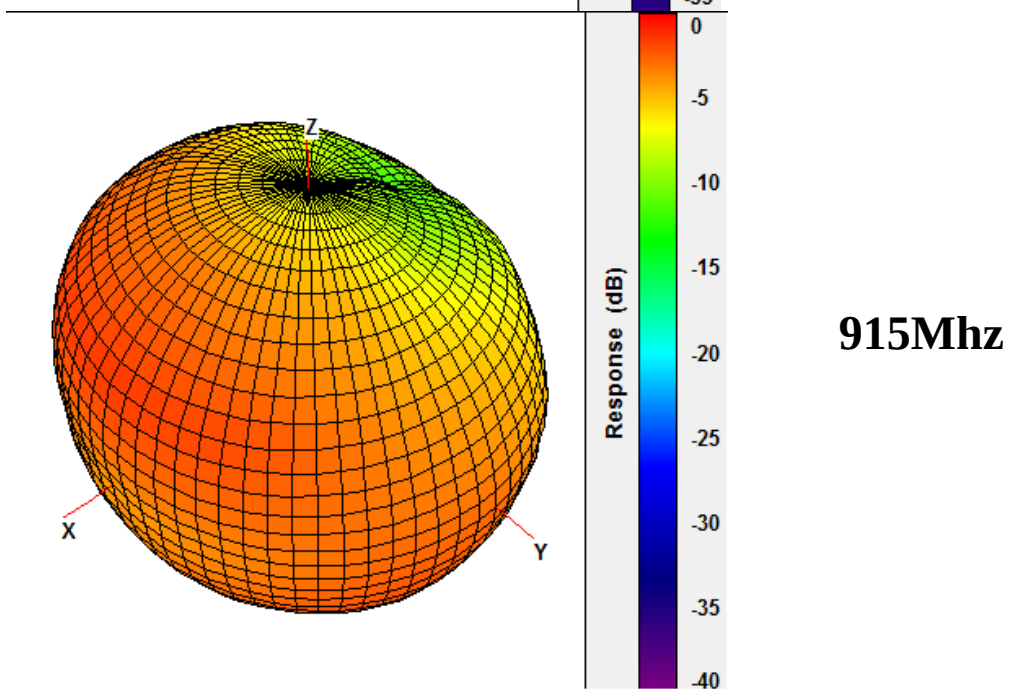
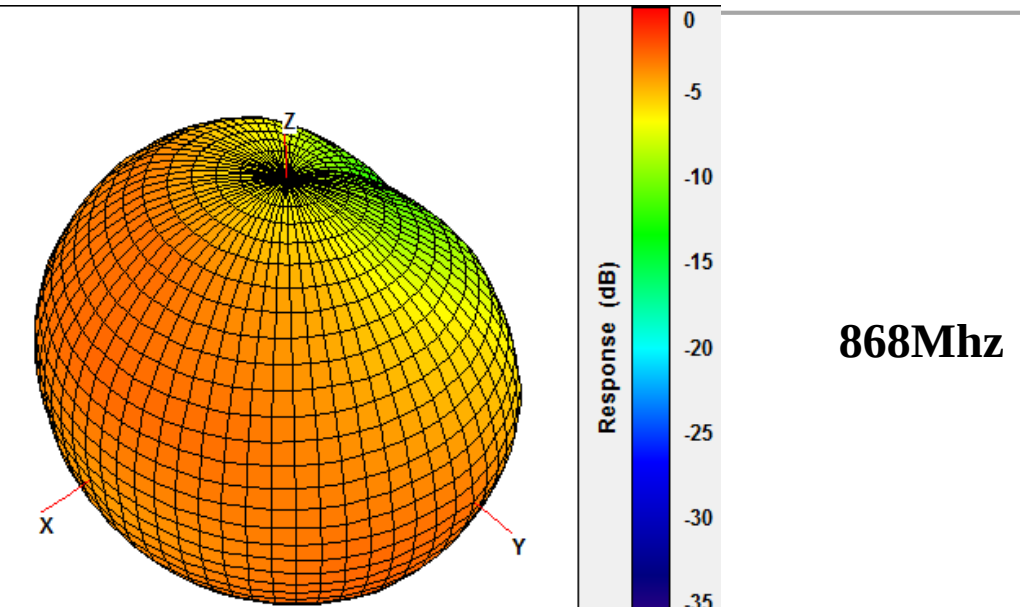


XZ Plane

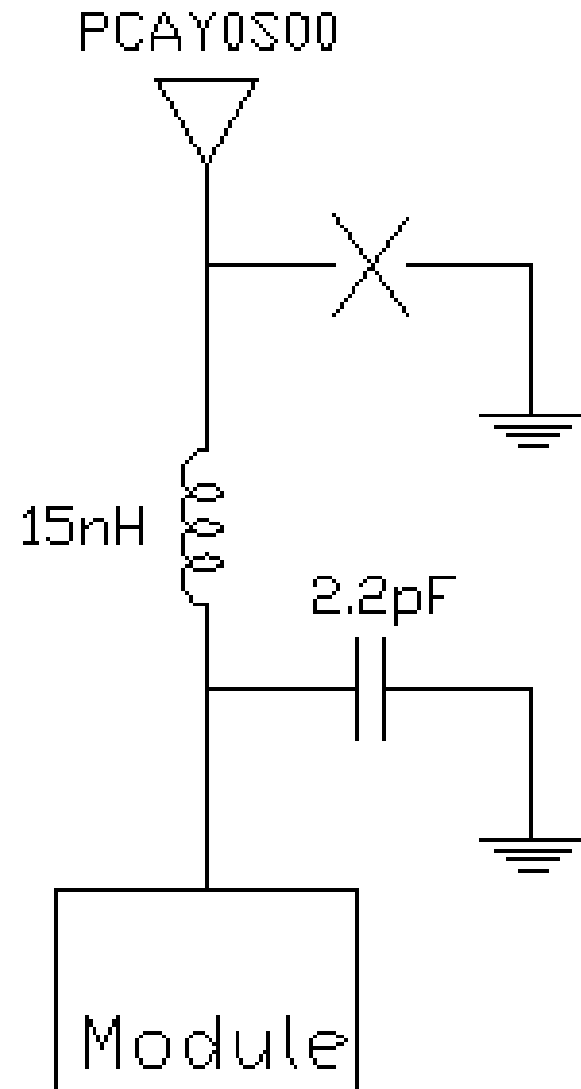


YZ Plane

Antenna 3D Pattern



Matching Circuit



Summary

Base on customer PCB, antenna using Cirocomm P/N PCAY0S00, after frequency and impedance matching, antenna efficiency is around 31~34%, others data show on above pages, for customer reference.