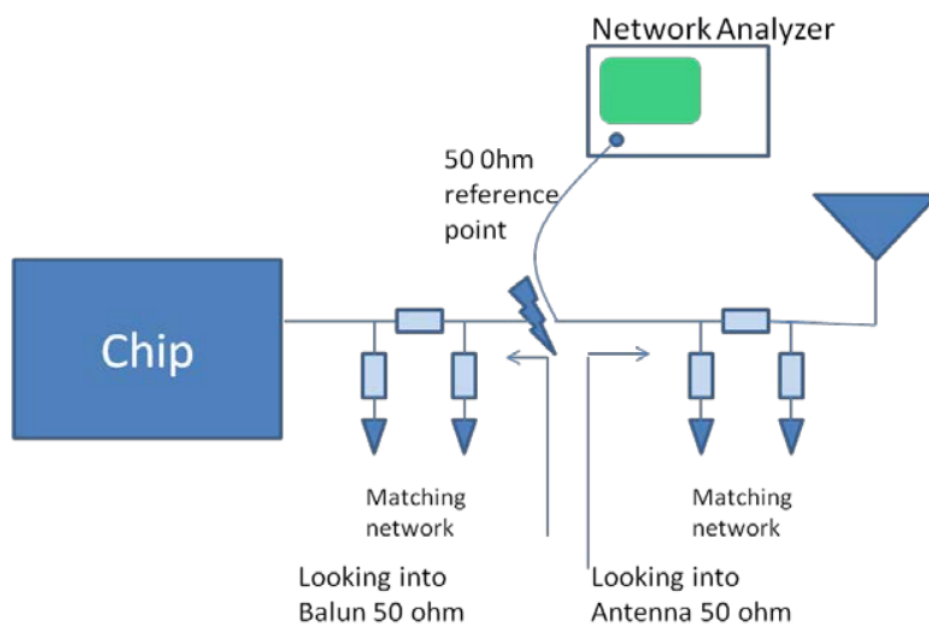
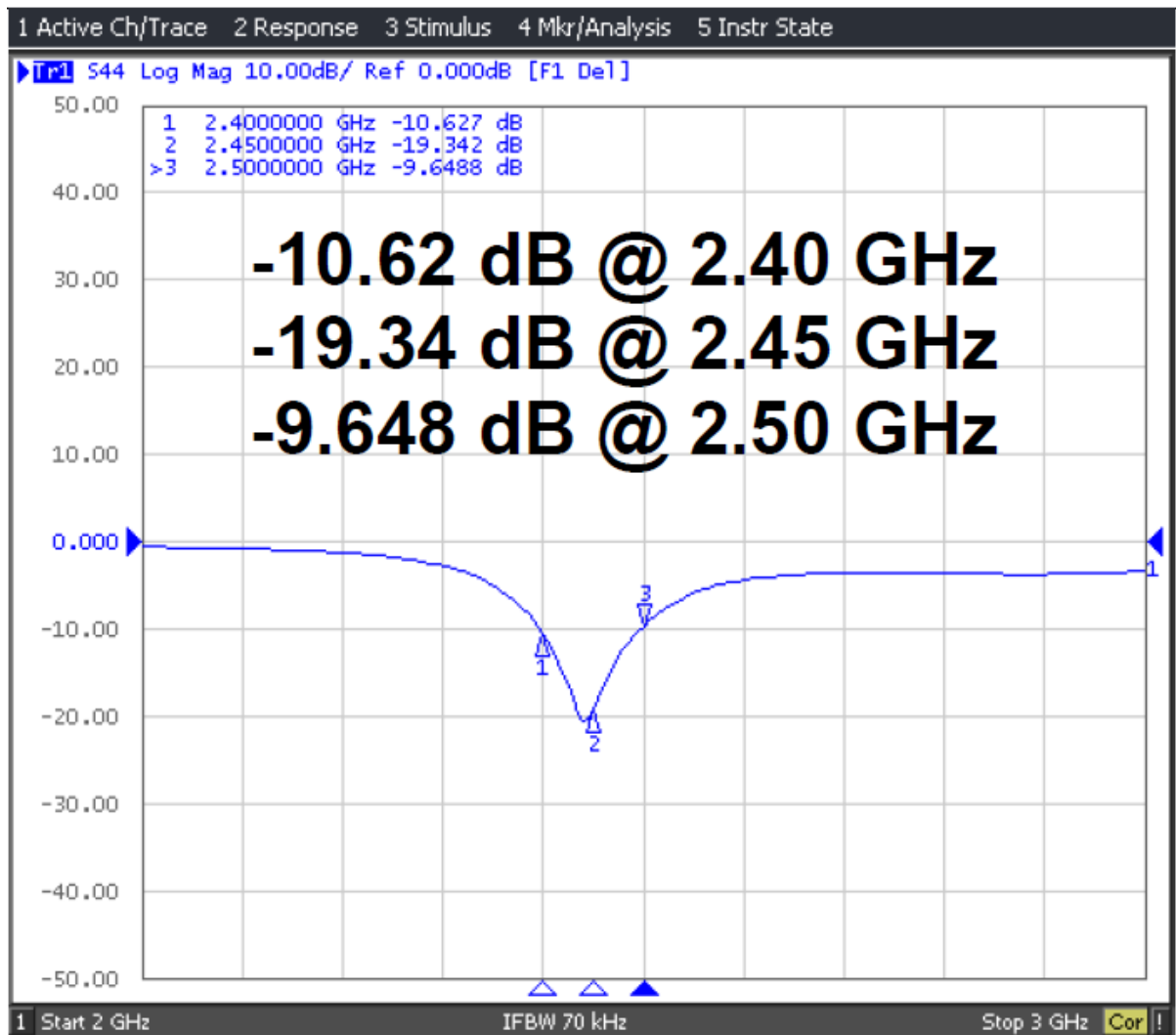
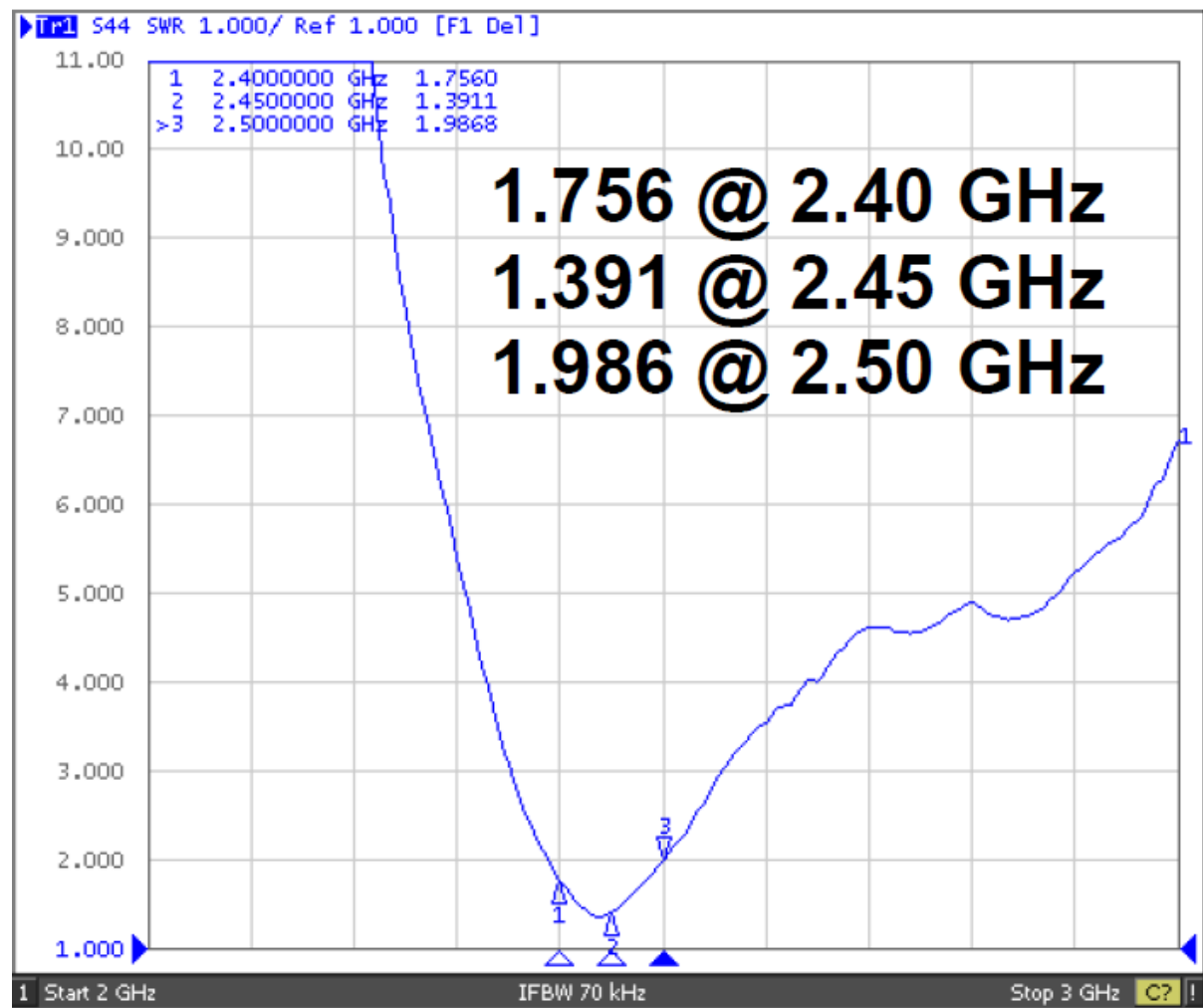


antenna report template

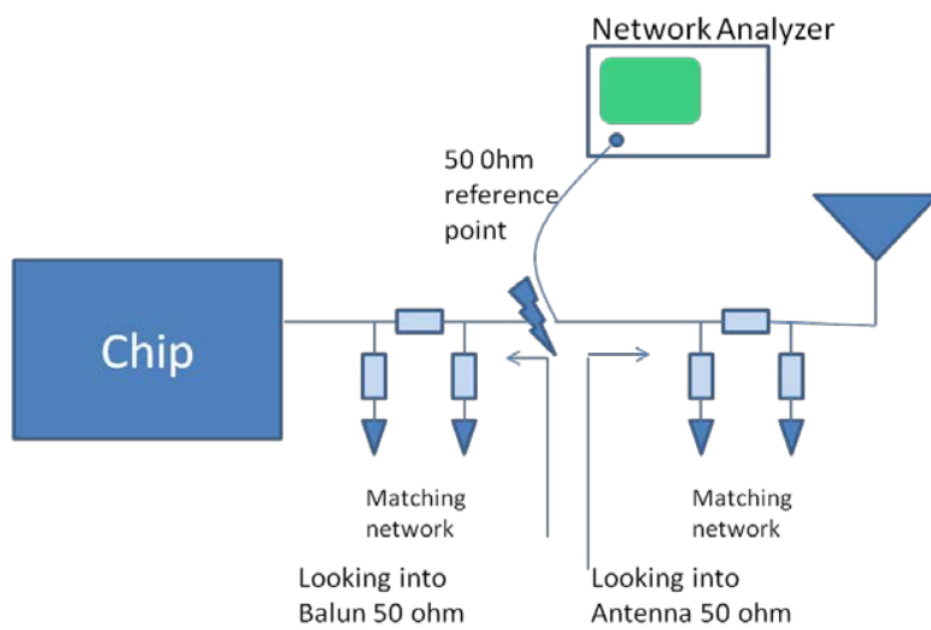
return loss (for antenna and radio)



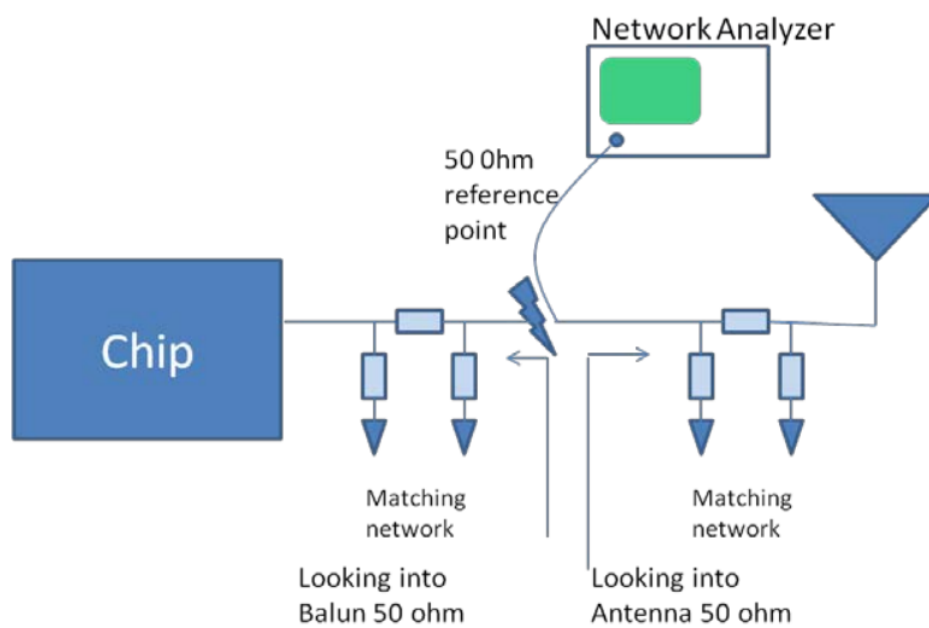
VSWR



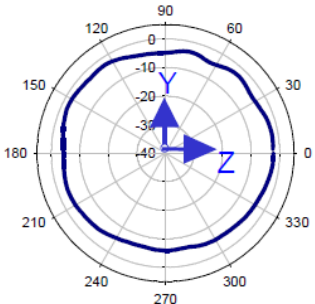
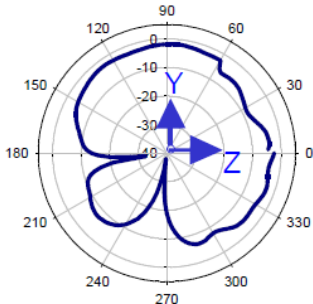
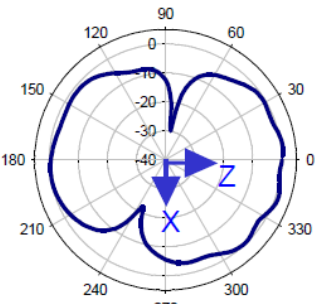
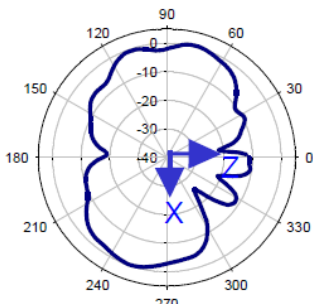
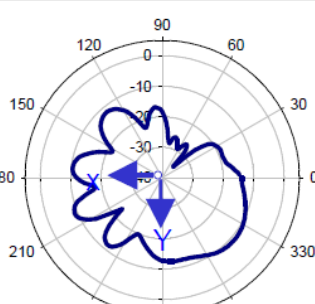
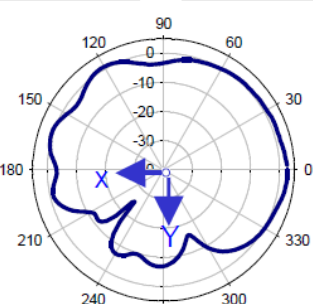
antenna impedance



mcu antenna impedance



radiation pattern

	Vertical	Horizontal
Y - Z Plane Average Gain= -1.511 dBi	 <p>Peak Gain = -2.15 dBi Average Gain = -3.84 dBi</p>	 <p>Peak Gain= -1.82 dBi Average Gain=-5.33 dBi</p>
X - Z Plane Average Gain= -0.571 dBi	 <p>Peak Gain= 1.02 dBi Average Gain= -2.68 dBi</p>	 <p>Peak Gain= 0.36 dBi Average Gain= -4.72 dBi</p>
X - Y Plane Average Gain= -1.166 dBi	 <p>Peak Gain= -8.74 dBi Average Gain= -13.63dBi</p>	 <p>Peak Gain= 2.64dBi Average Gain=-1.42 dBi</p>

peak gain, average gain, average efficiency

Peak gain	2.1 dBi
Average gain	-1.2 dBi
Average efficiency	75%
Maximum Return Loss	-11 dB
Maximum VSWR	1.8:1

test about range