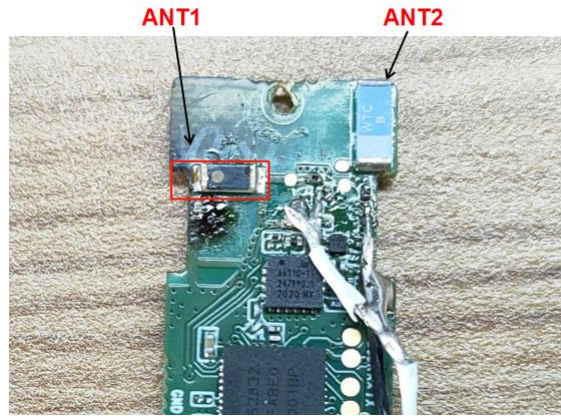


XC018 Antenna Spec

Ceramic Antenna (2400 MHz ~ 2483.5MHz)



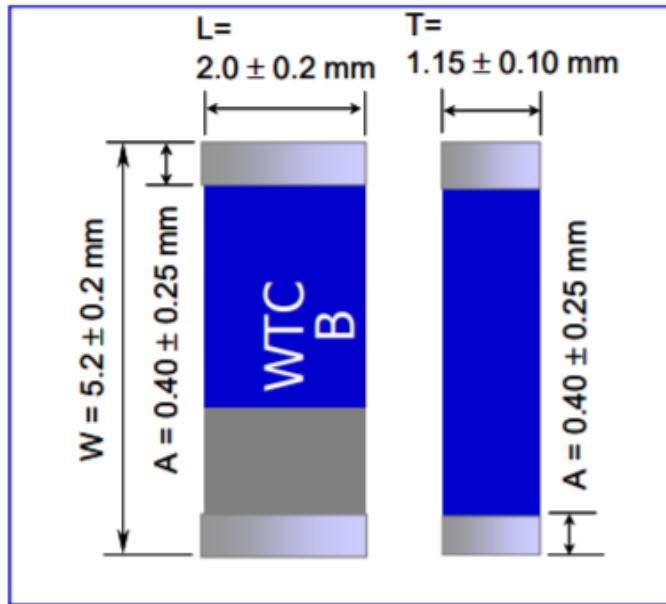
ELECTRICAL CHARACTERISTICS (ANT1)

Frequency Range	2400 MHz ~ 2483.5MHz
Peak Gain	0.16dBi
Impedance	50 Ω

ANT1 Configuration and Dimensions

Figure	Dimensions(mm)	
		L
W		1.6±0.2
D		0.5±0.2
T		0.5±0.2

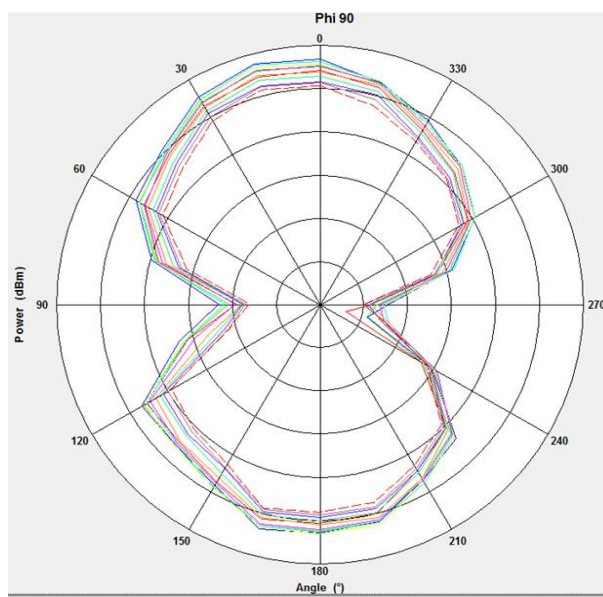
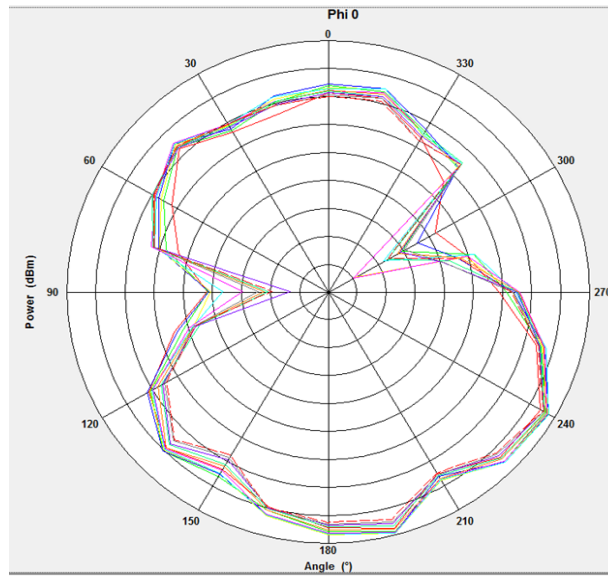
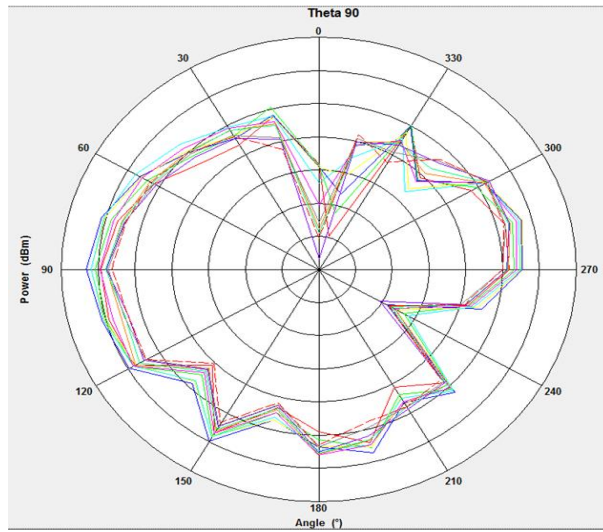
ANT2 Configuration and Dimensions



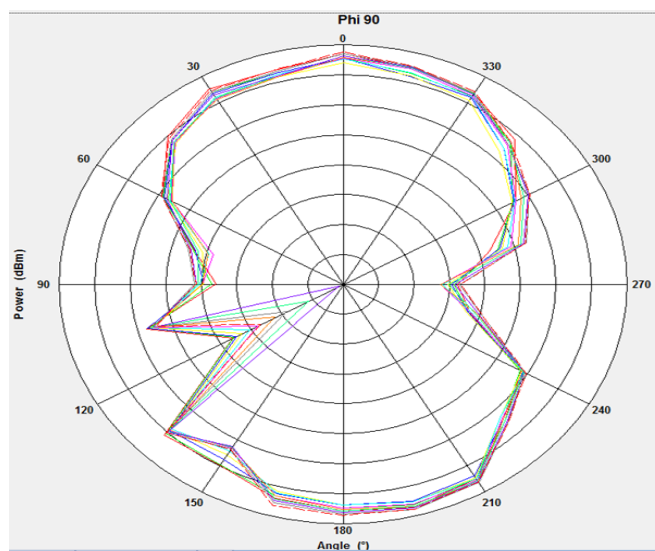
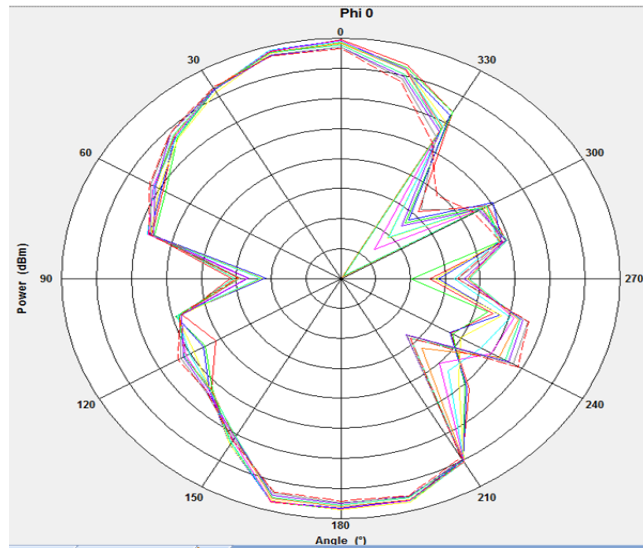
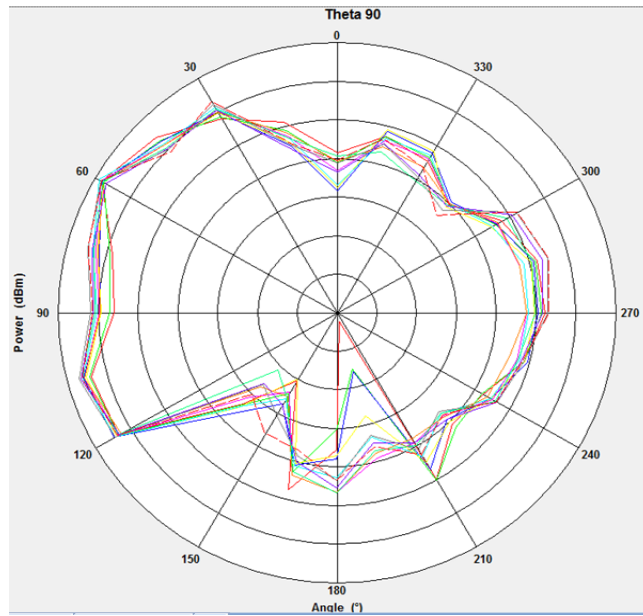
ELECTRICAL CHARACTERISTICS (ANT2)

Frequency Range	2400 MHz ~ 2483.5MHz
Peak Gain	2.35dBi
Impedance	50 Ω

2.4G(ANT1) Radiation pattern



2.4G(ANT2) Radiation pattern



2.4G ANT1			
2400-2480 MHz			
Fre.(MHz)	Eff.(dB)	Eff.(%)	Gain(dBi)
2400	-6.32627	23.3009	-0.9454
2410	-5.60465	27.5128	0.055222
2420	-5.18702	30.2899	0.160795
2430	-5.27669	29.6709	0.102599
2440	-5.33046	29.3058	-0.30514
2450	-5.73494	26.6997	-0.46135
2460	-6.13733	24.337	-1.23602
2470	-6.76488	21.0626	-1.65721
2480	-7.16229	19.2208	-2.10091
ave	-5.94717	25.71116	-0.70971

2.4G ANT2			
2400-2480 MHz			
Fre.(MHz)	Eff.(dB)	Eff.(%)	Gain(dBi)
2400	-3.0857	49.1395	2.31699
2410	-3.52695	44.392	2.14677
2420	-3.68028	42.8521	1.75945
2430	-3.93395	40.4209	1.662
2440	-3.80868	41.6037	1.59944
2450	-3.55527	44.1035	1.83514
2460	-3.47995	44.8751	1.92084
2470	-3.37561	45.9662	2.14739
2480	-3.12223	48.7278	2.34814
ave	-3.50762	44.67564	1.970684