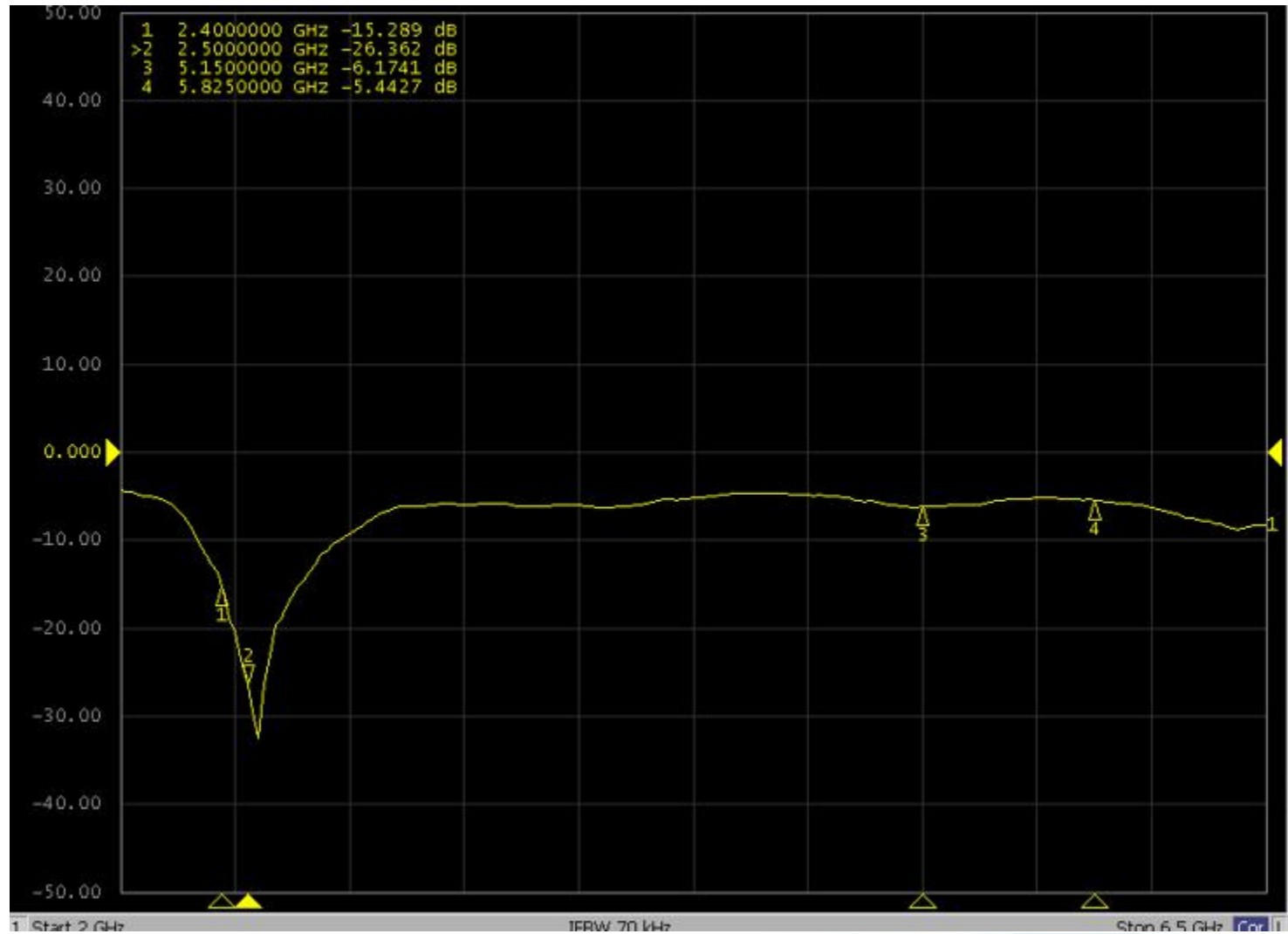


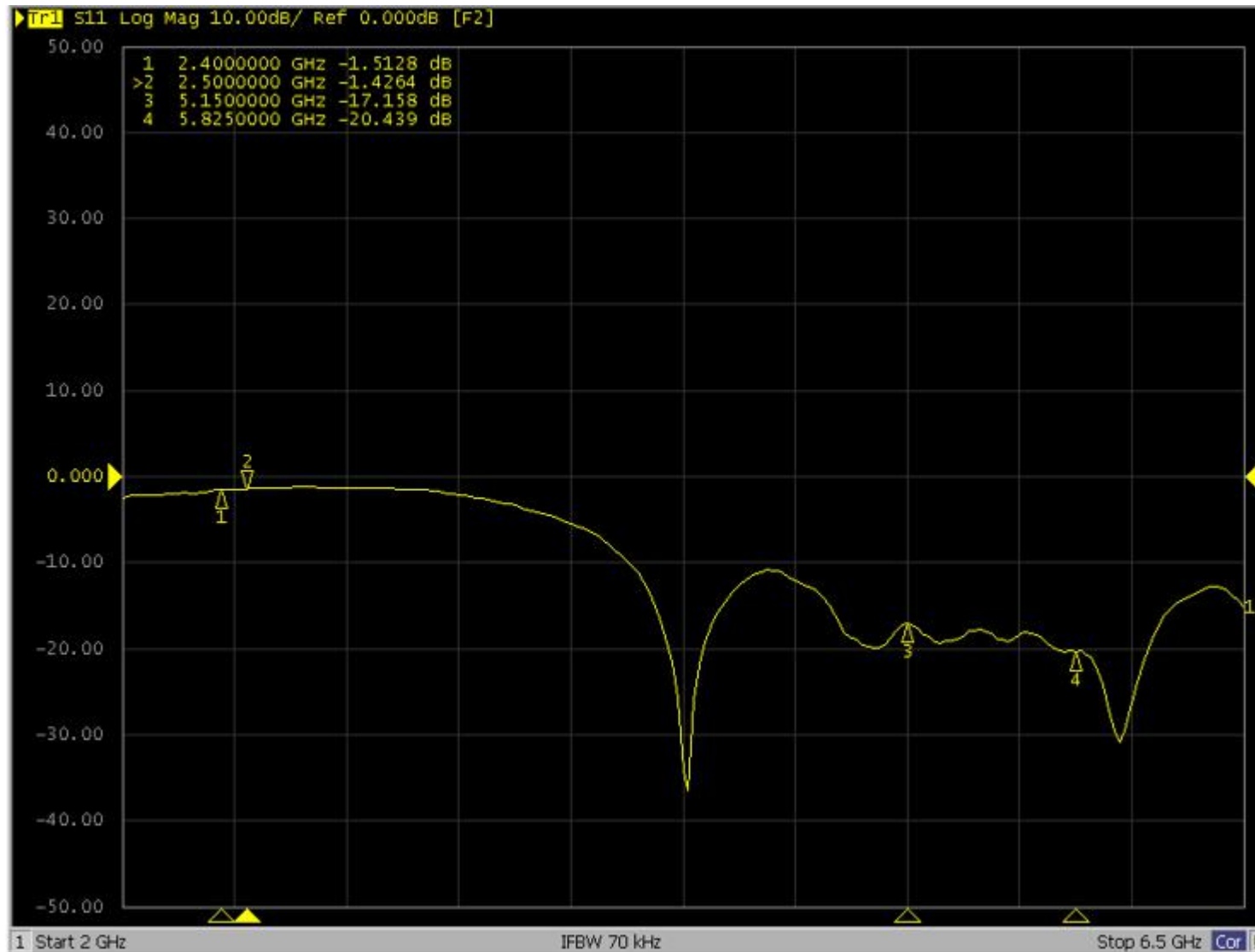
# Return loss

S11-2.4G



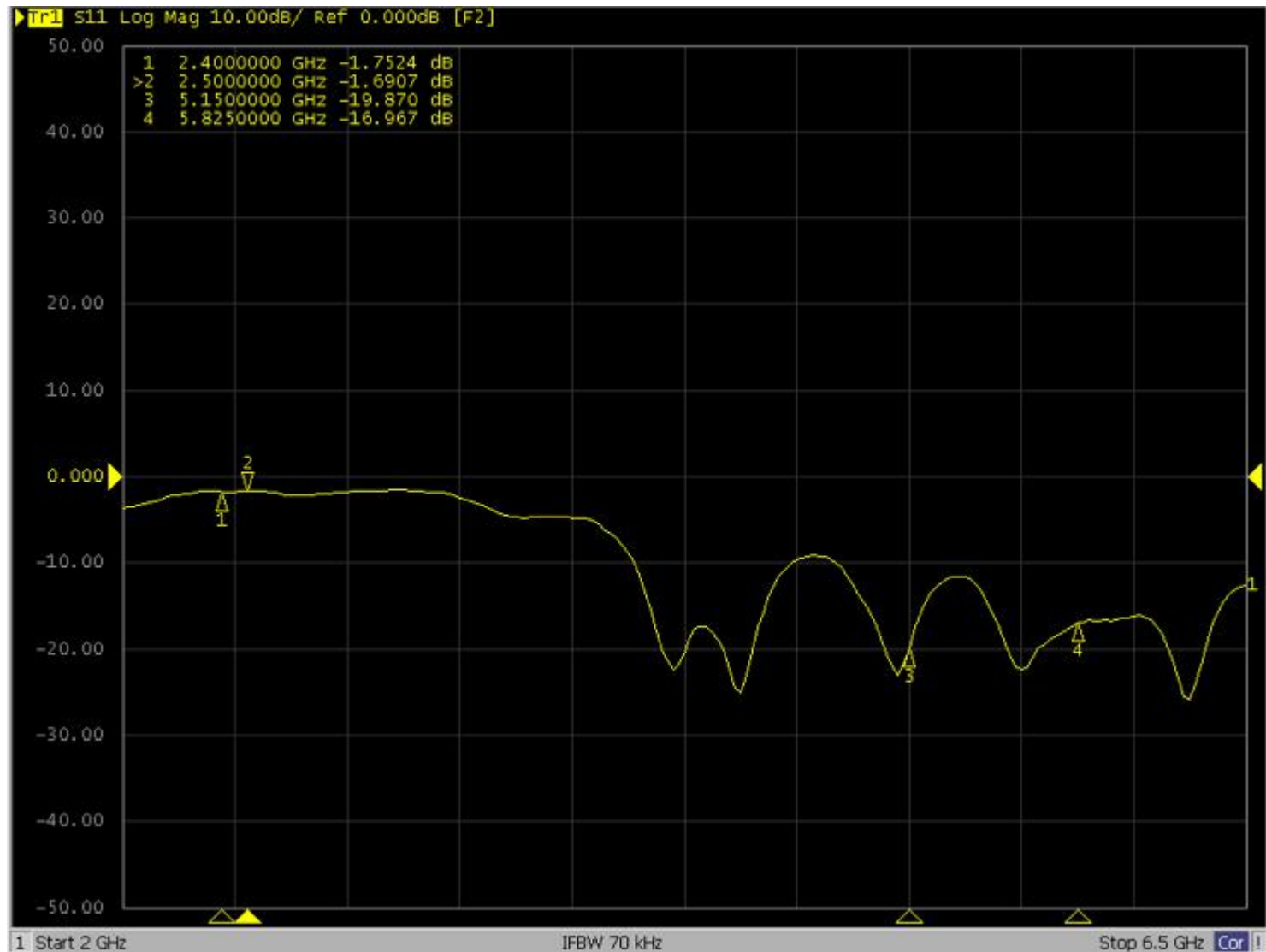
# Return loss

S22-5G



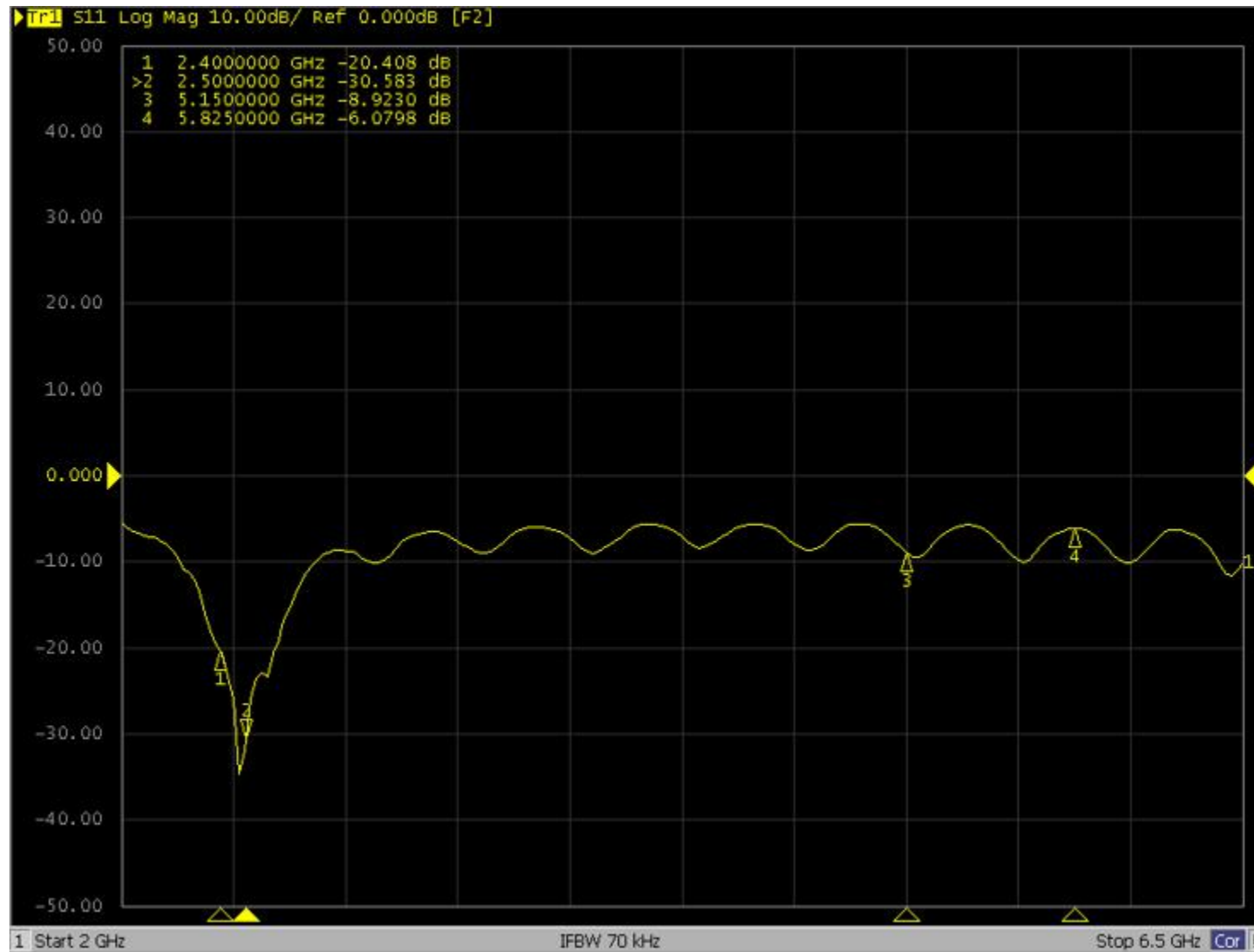
# Return loss

S33-5G



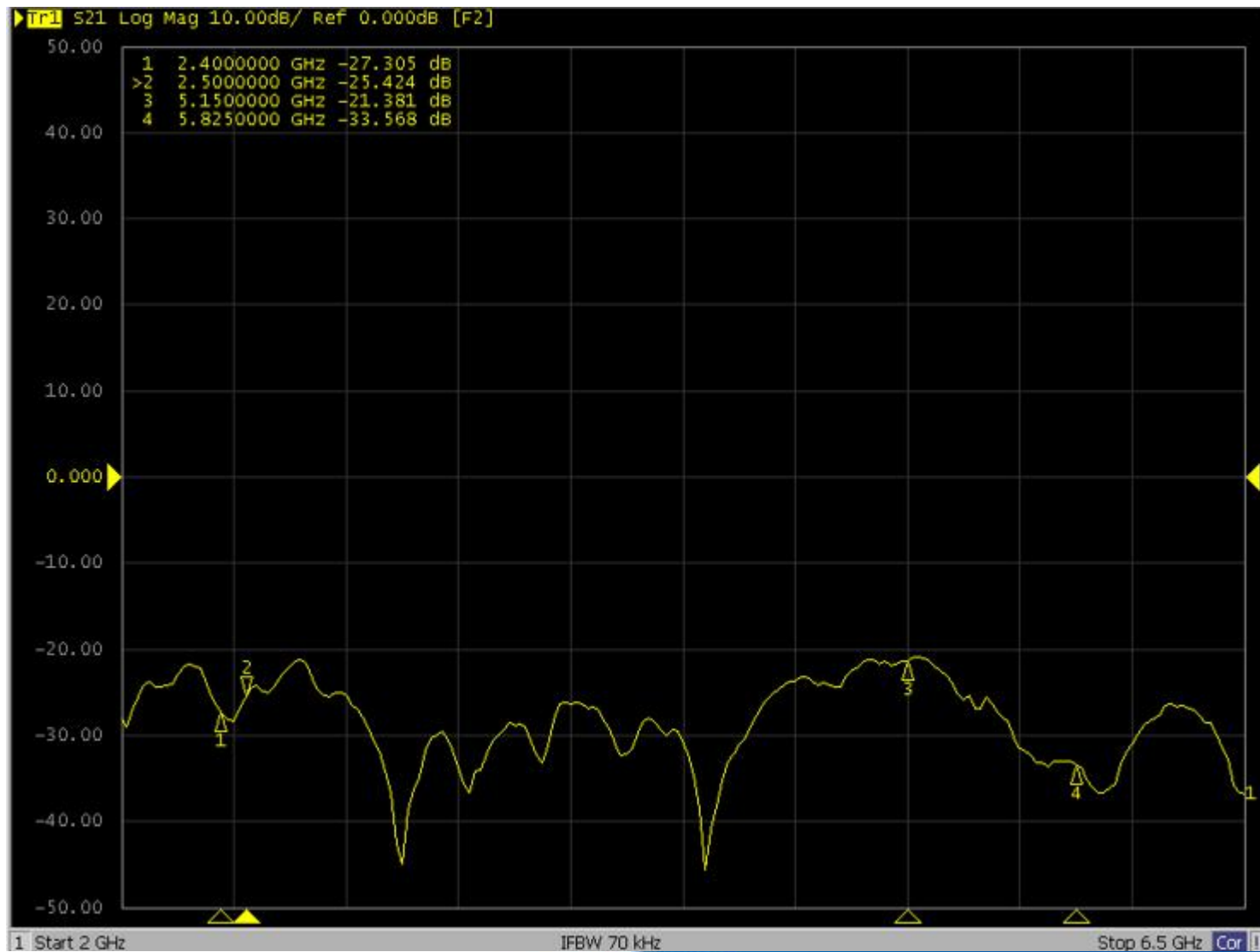
# Return loss

S44-2.4G



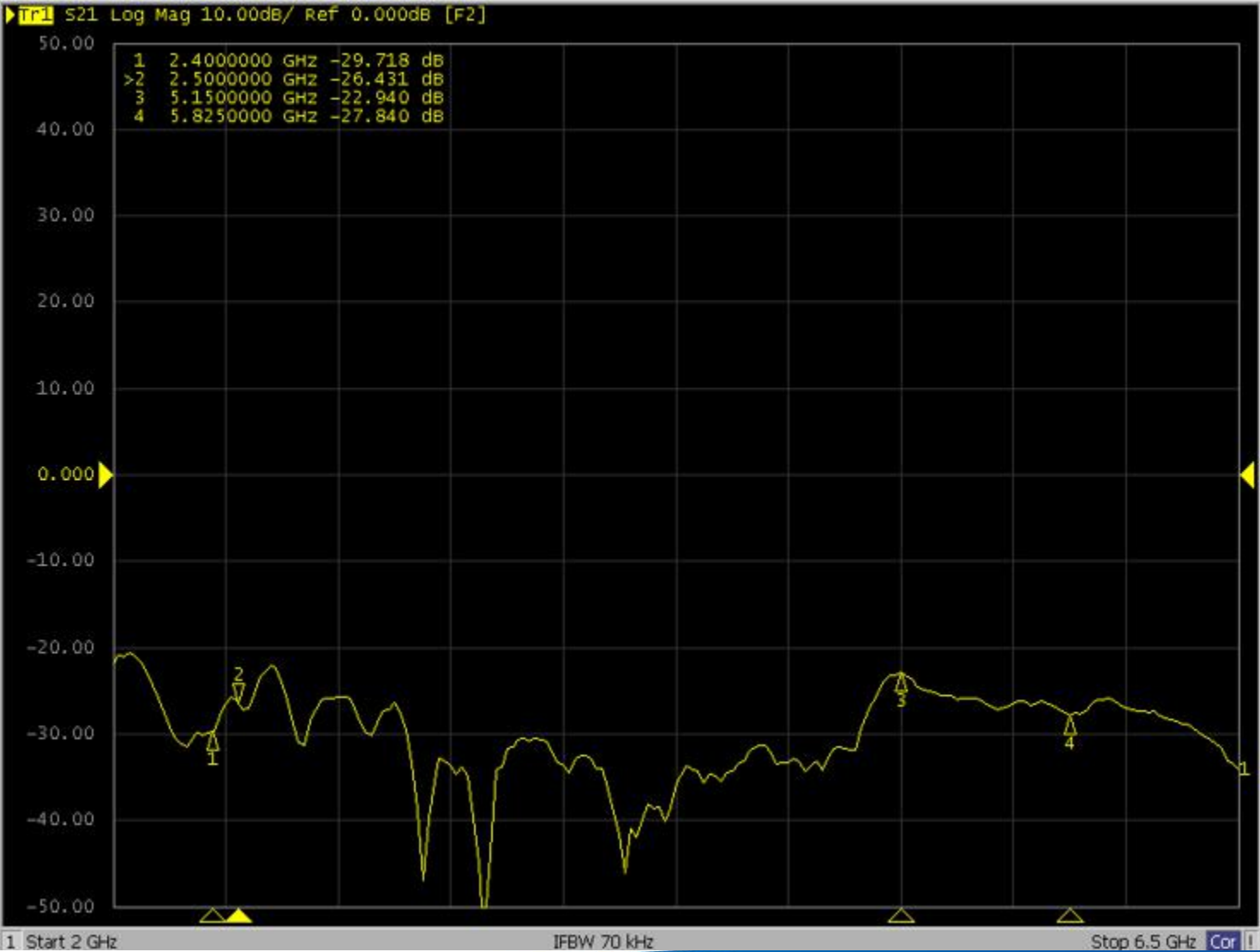
# Isolations

S12



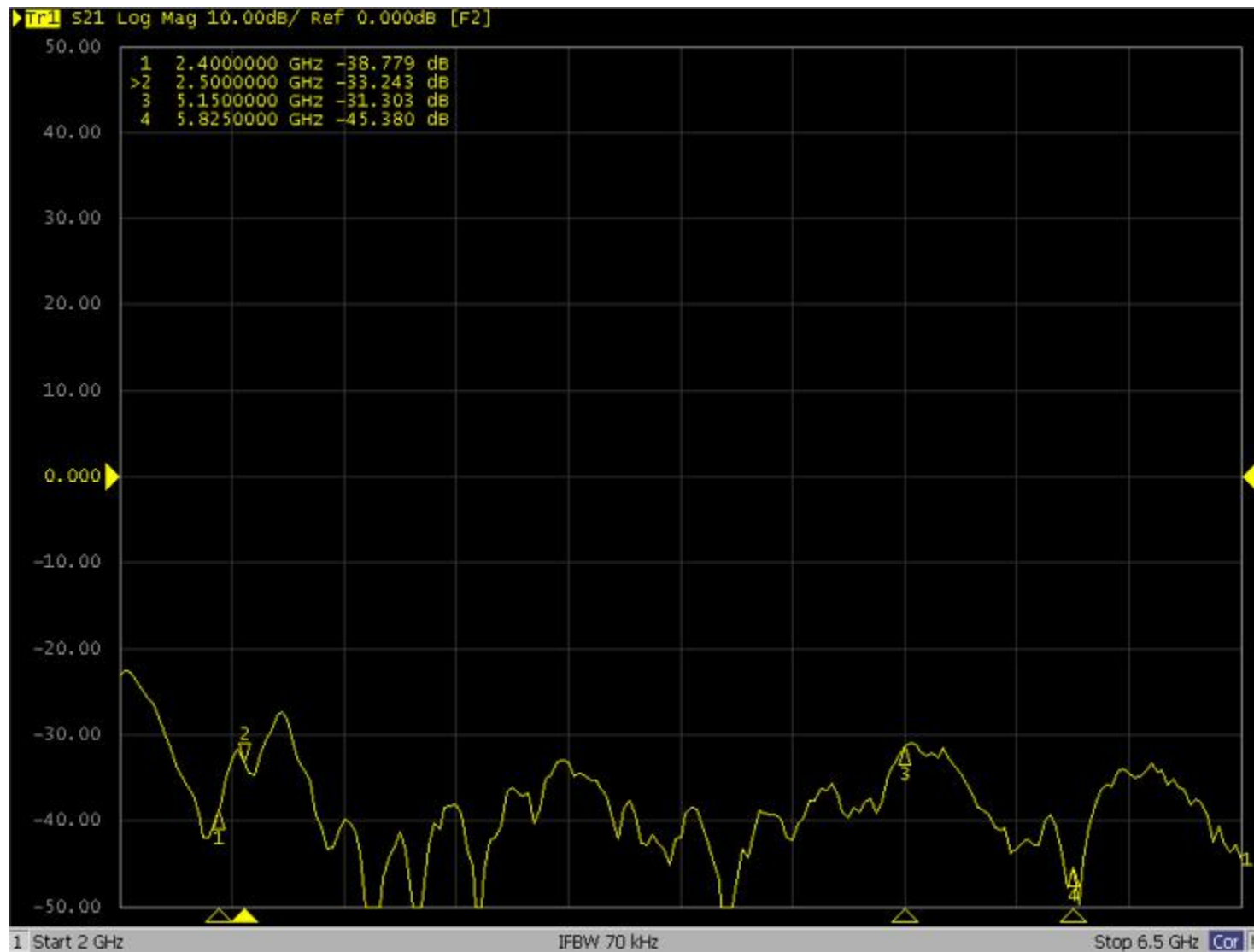
# Isolations

S13



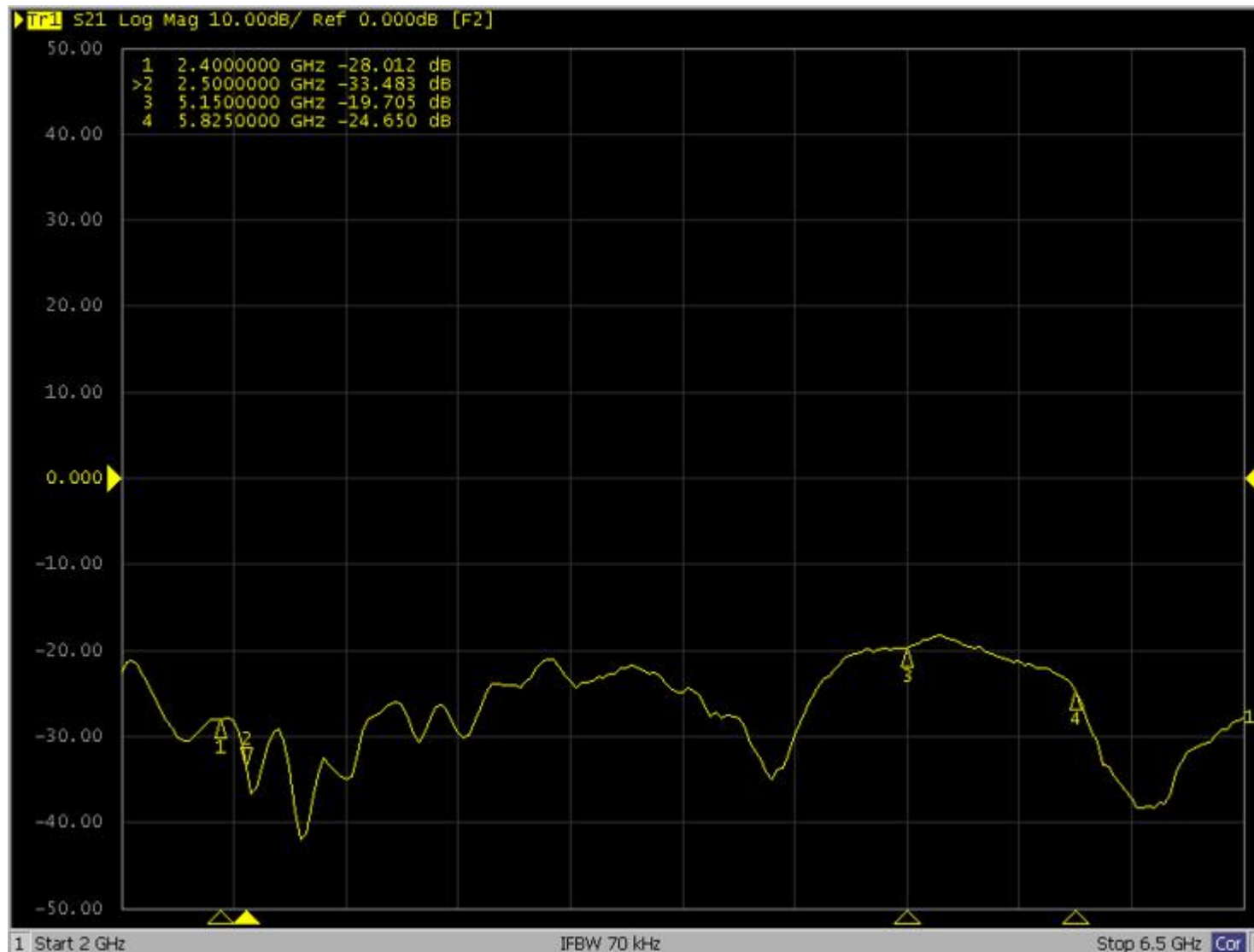
# Isolations

S14



# Isolations

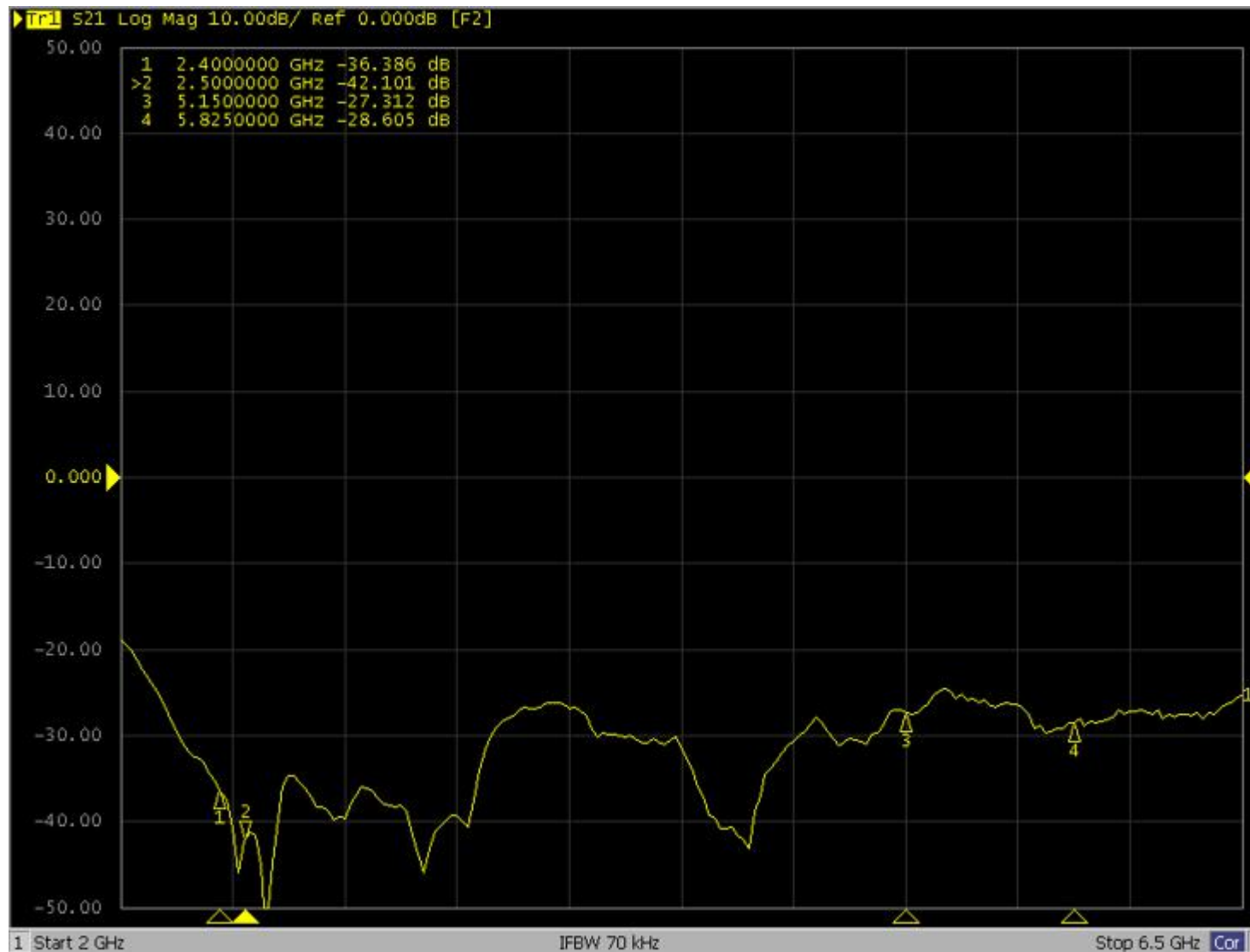
S23





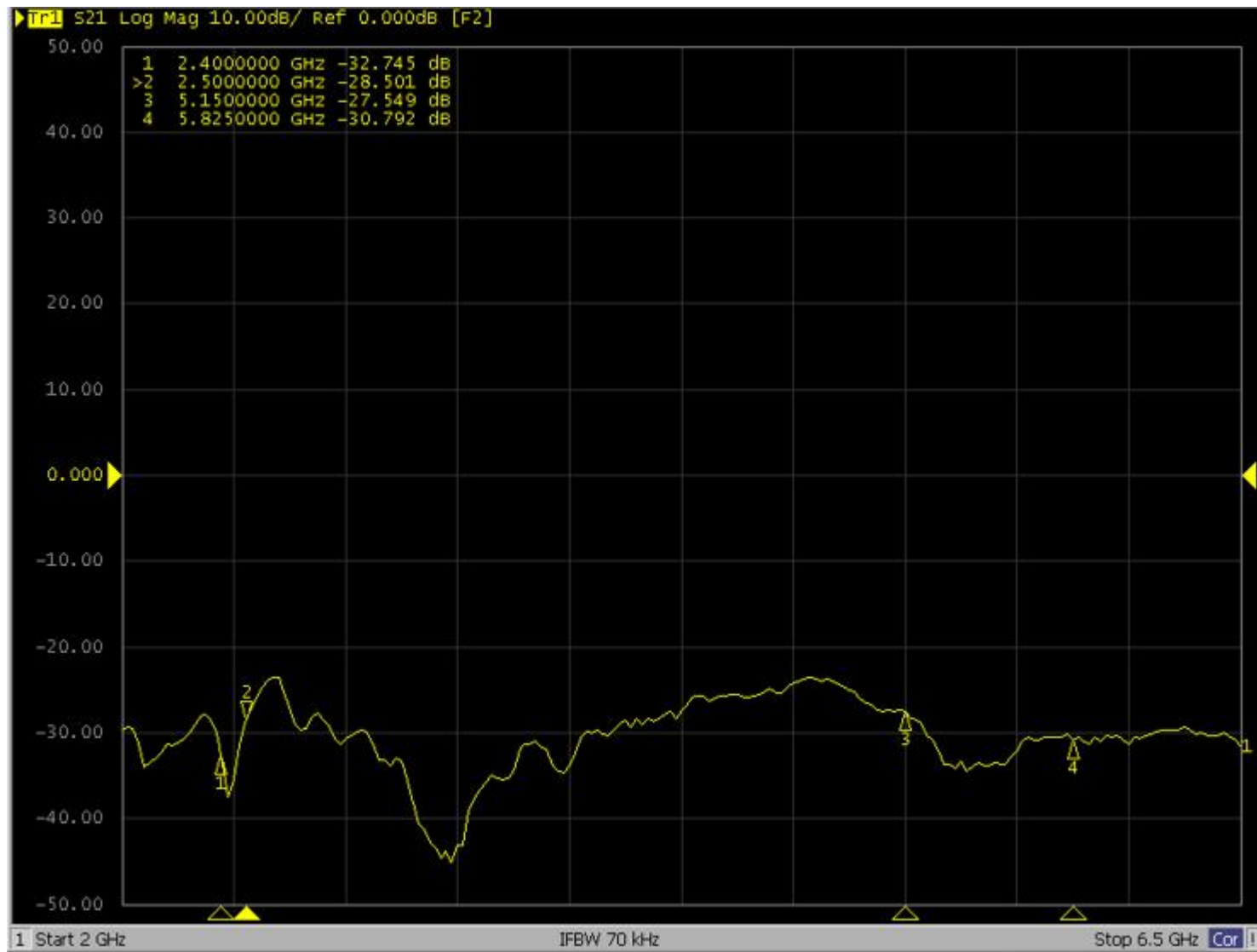
# Isolations

S24



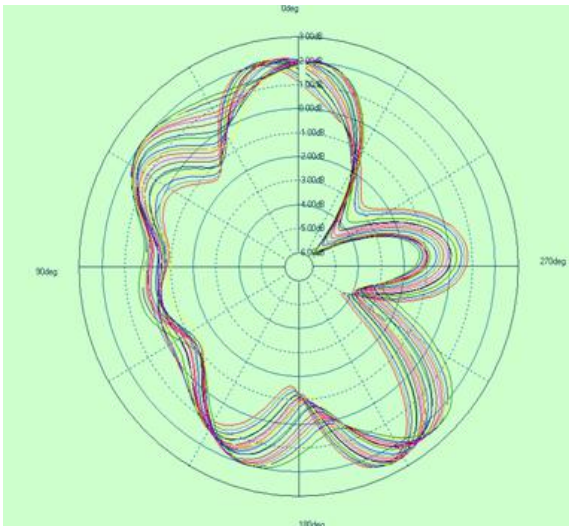
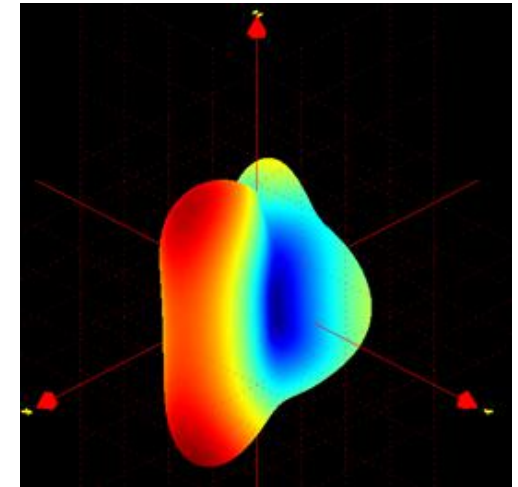
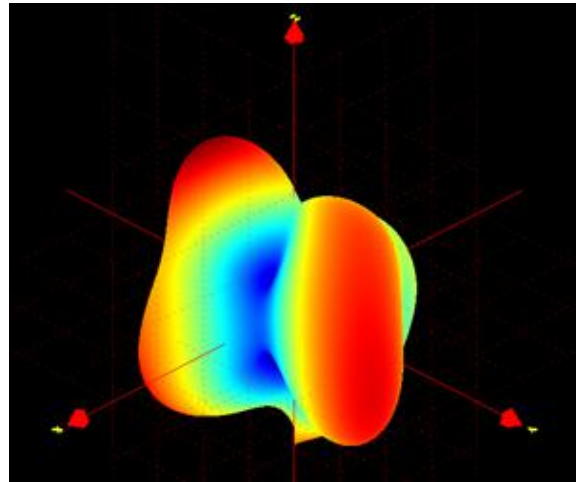
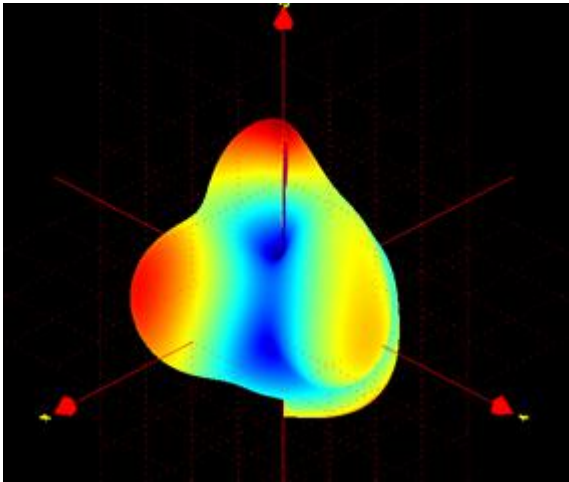
# Isolations

S34

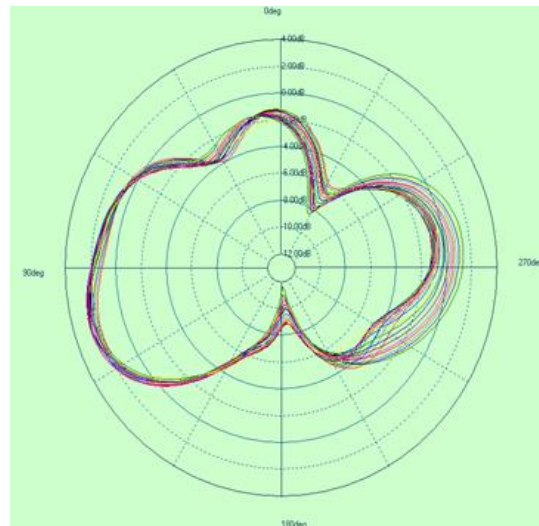


# Pattern

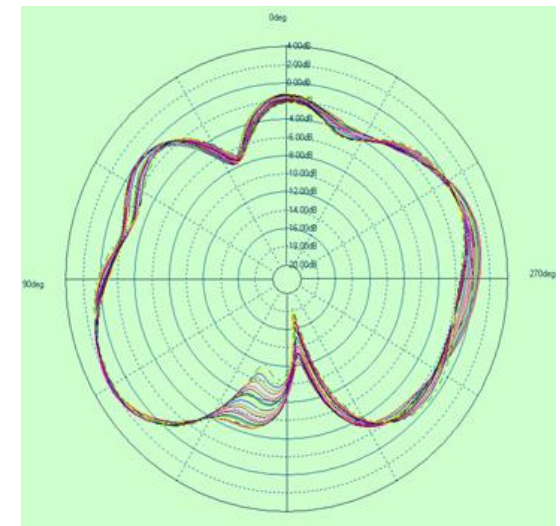
## ANT1-2.4G pattern



Theta 90



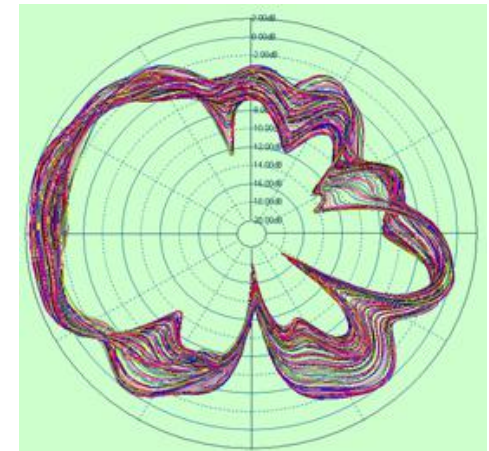
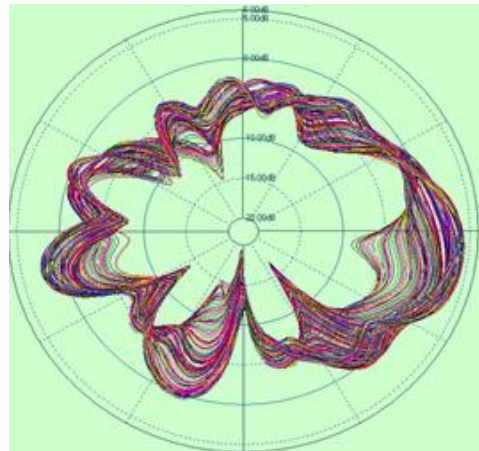
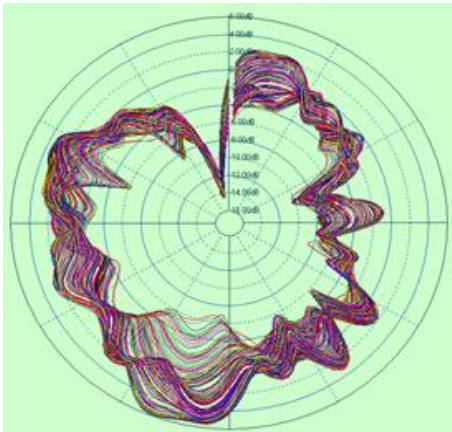
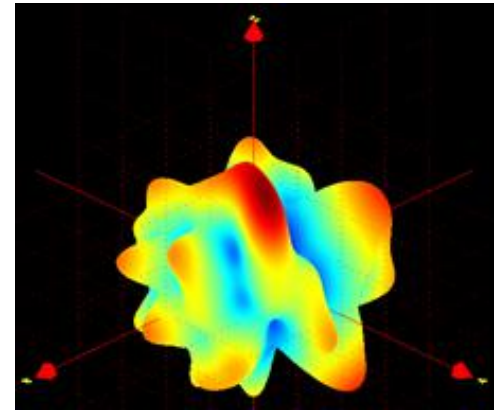
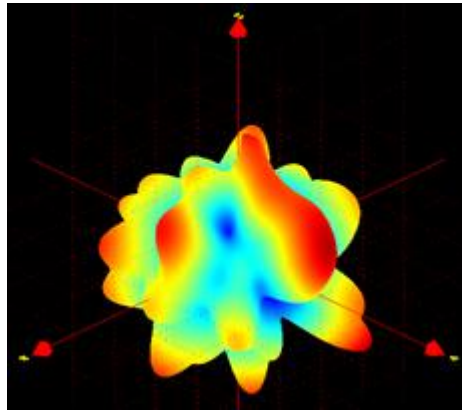
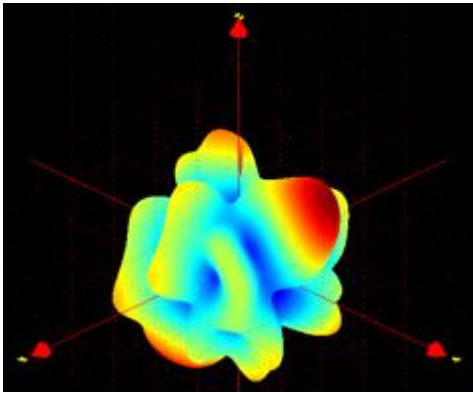
Phi 0



Phi 90

# Pattern

ANT2-5G pattern



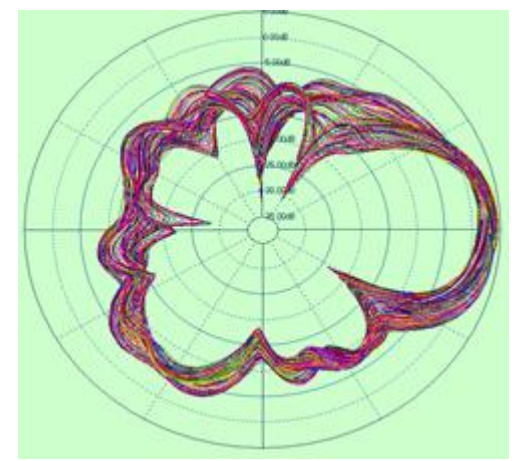
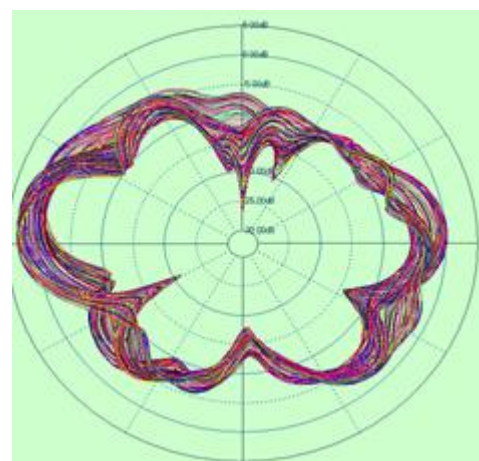
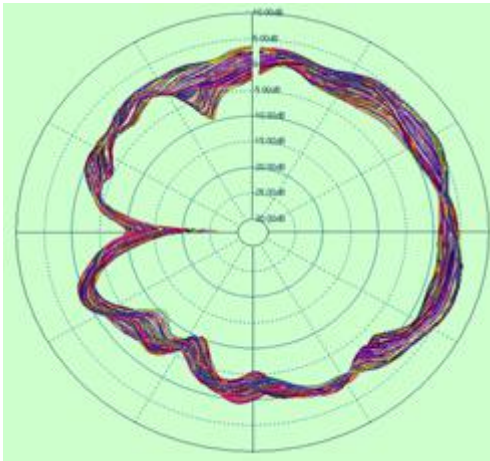
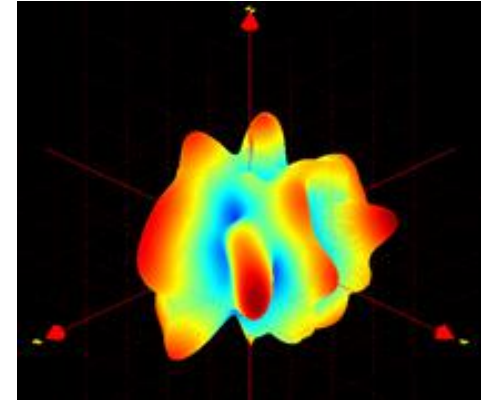
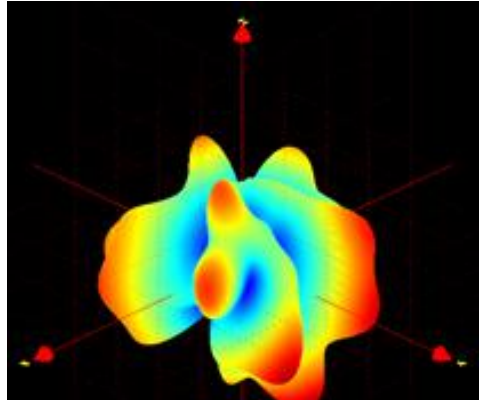
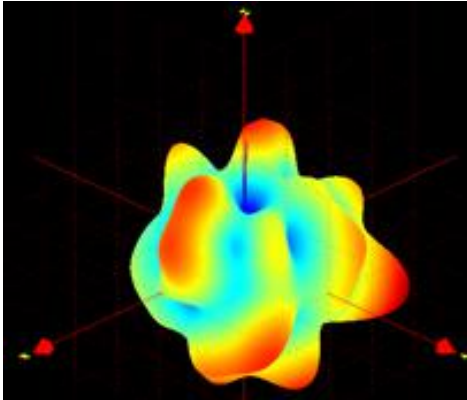
Theta 90

Phi 0

Phi 90

# Pattern

ANT3-5G pattern



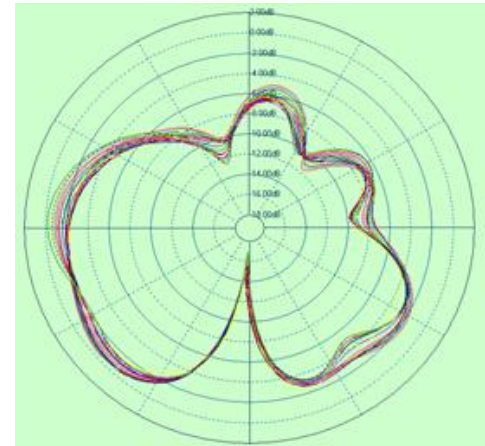
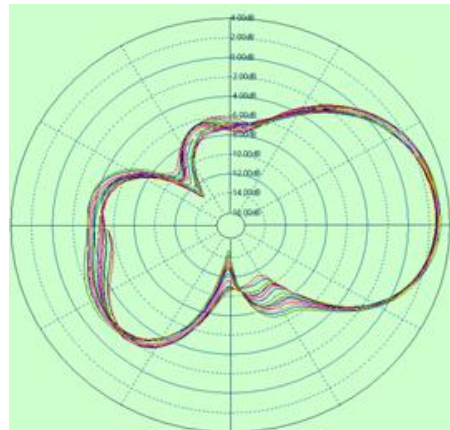
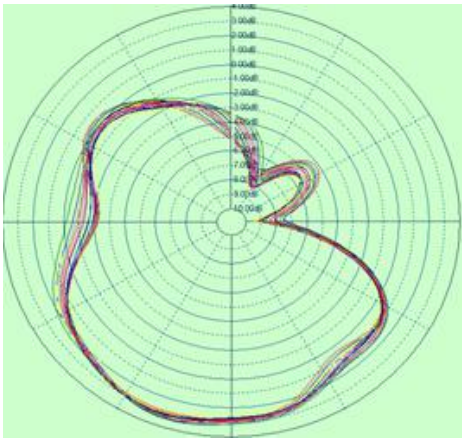
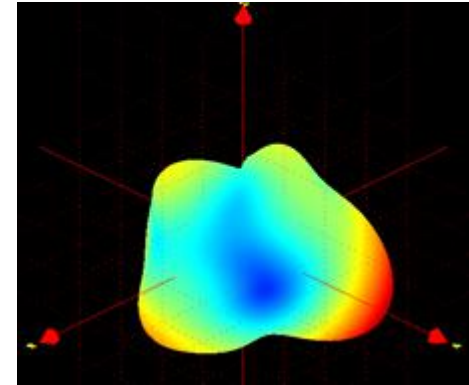
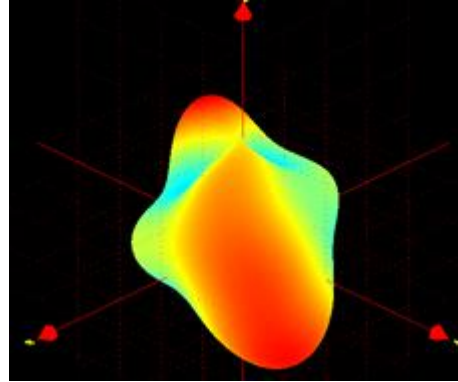
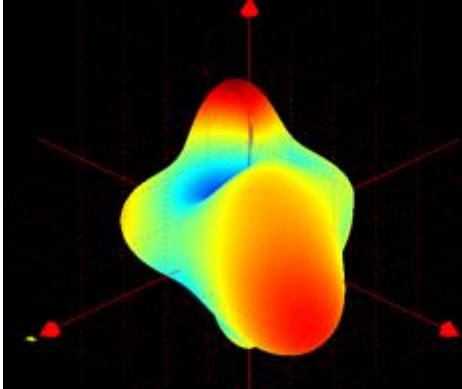
Theta 90

Phi 0

Phi 90

# Pattern

## ANT4-2.4G pattern



Theta 90

Phi 0

Phi 90

	ANT1-2.4G		ANT2-5G		ANT3-5G		ANT4-2.4G	
	2.4G	2.5G	5.15G	5.825G	5.15G	5.825G	2.4G	2.5G
Gain	3.67dBi	2.68dBi	2.71dBi	5.9dBi	3.5dBi	5.5dBi	2.92dBi	3.38dBi
Efficiency	76.8%	82.2%	40%	57%	52.2%	58%	67%	70%