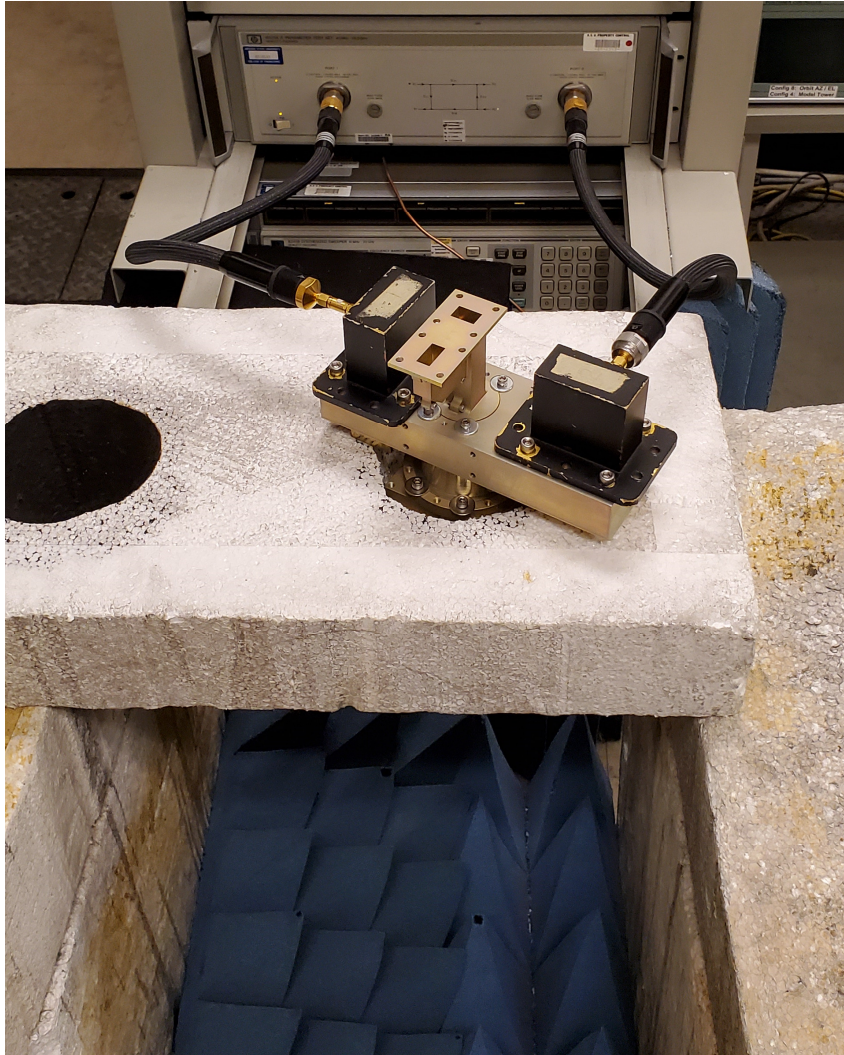


4-Port  
Ku-band and C-band  
Antenna Measurements

Mar. 02, 2020

# Circular C-band and Linear Ku-band Polarized Antennas

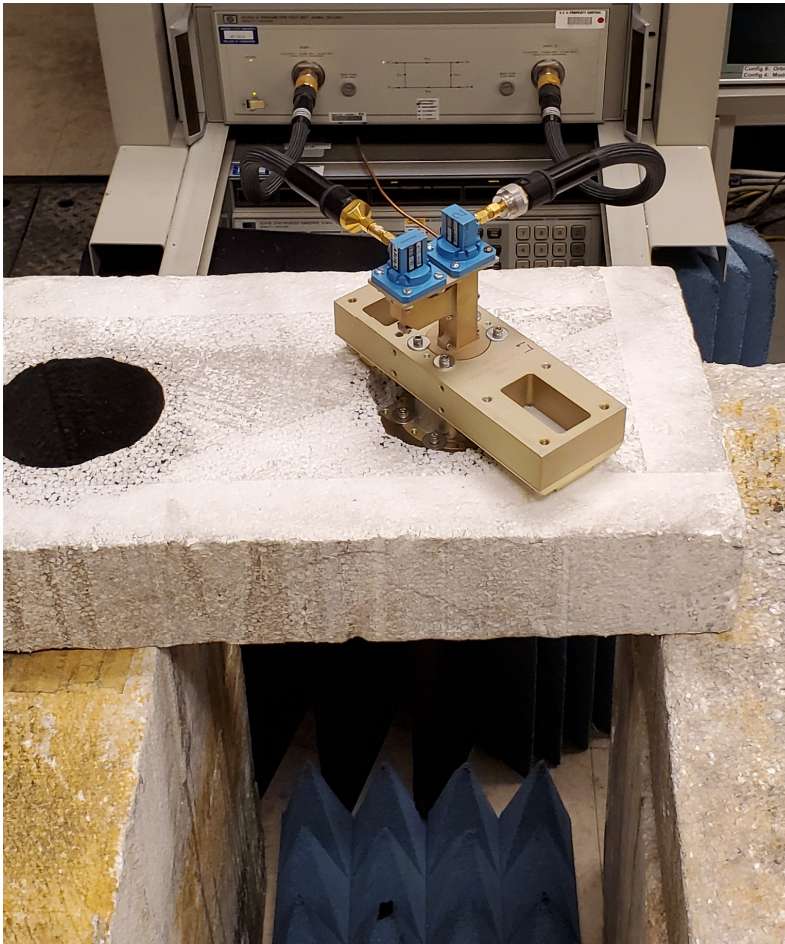
# C Band



Calibration:  
APC-3.5 open/short/load  
Full 2-port  
Adapter swap method  
128 IF averages

Measurement:  
3.2 – 5.0 GHz, 801 points  
Step frequency mode  
128 IF averages

# Ku Band



Calibration:

APC-3.5 open/short/load

Full 2-port

Adapter swap method

128 IF averages

Measurement:

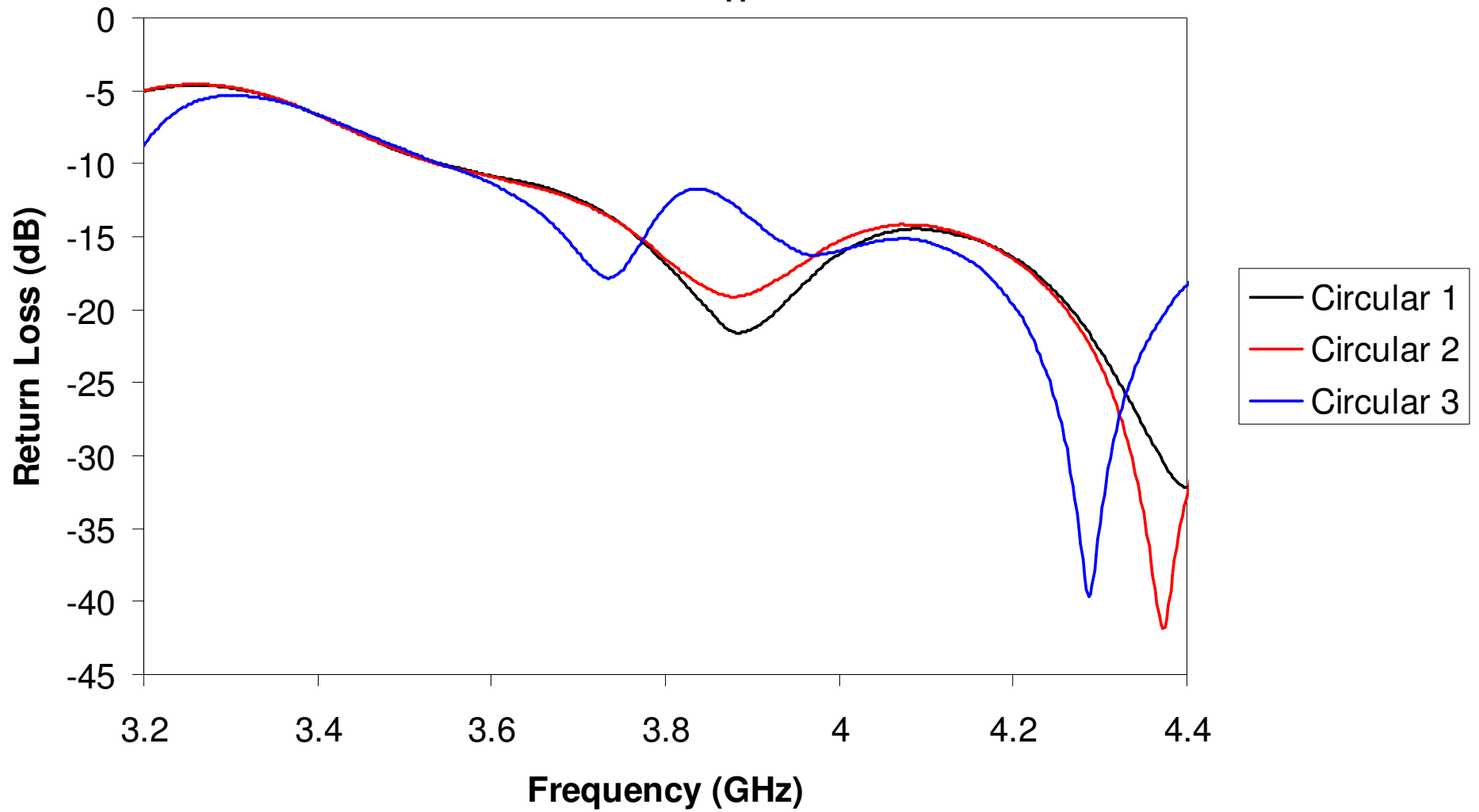
10.5 – 13.0 GHz, 801 points

Step frequency mode

128 IF averages

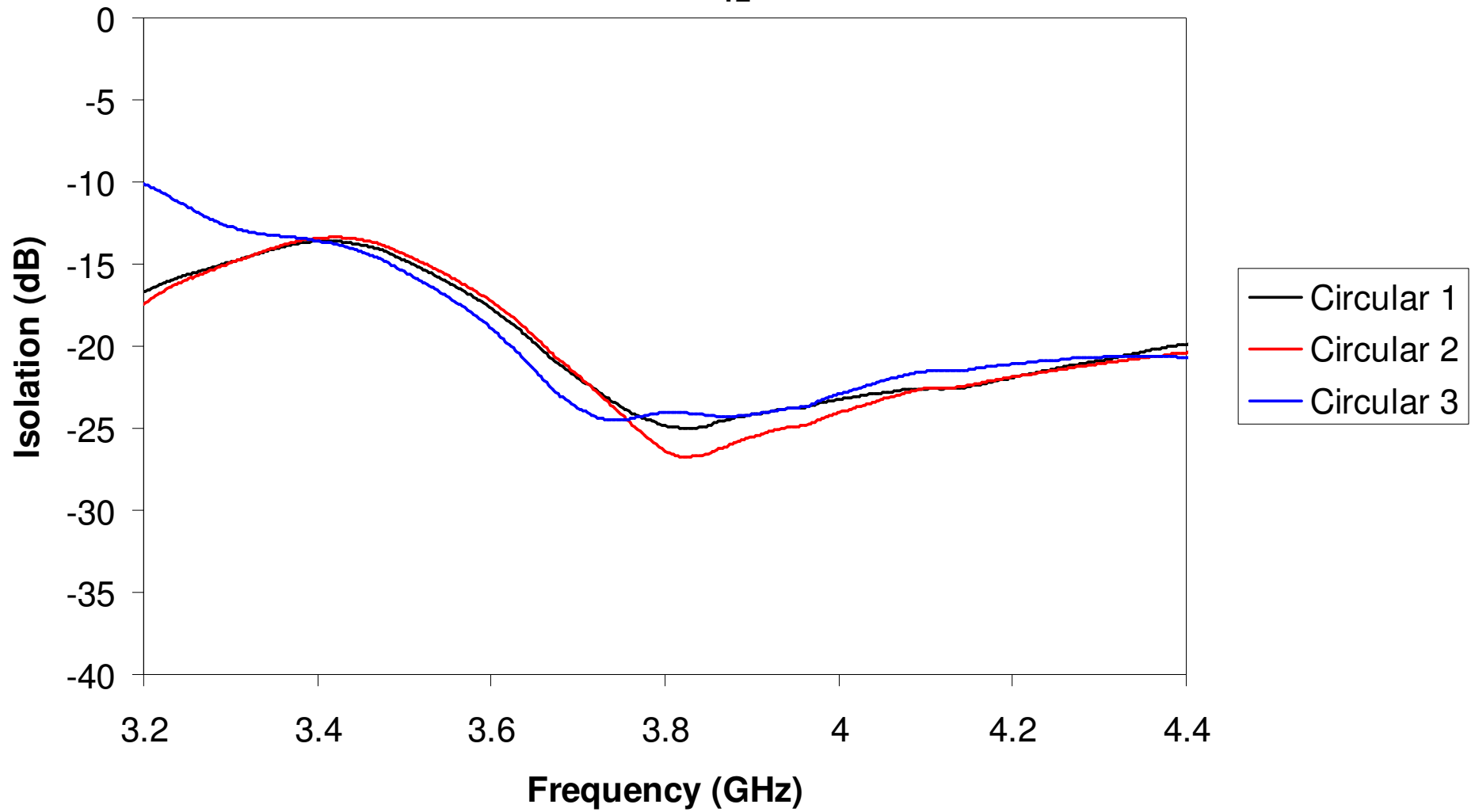
# Circularly Polarized, C Band

$S_{11}$



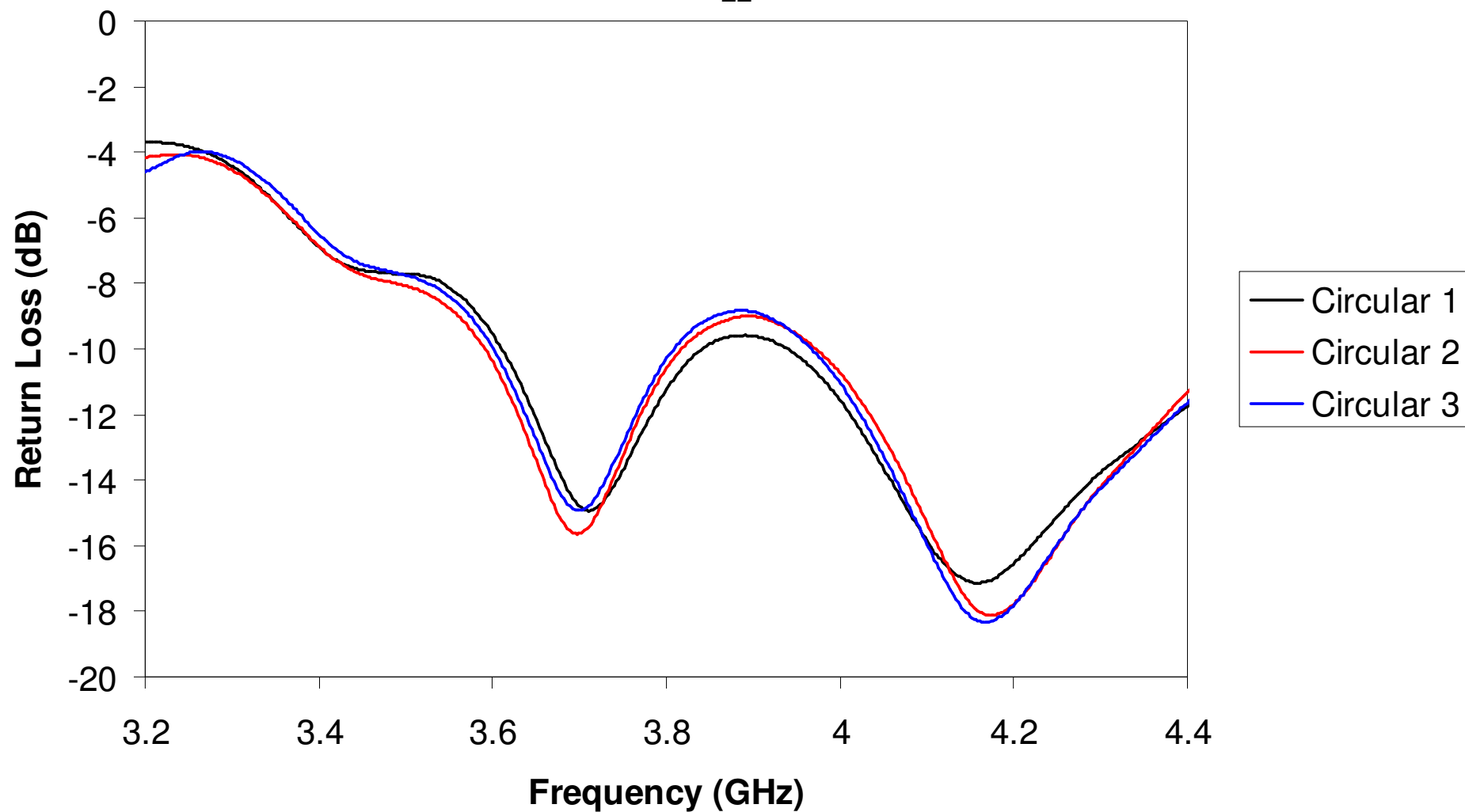
# Circularly Polarized, C Band

$S_{12}$



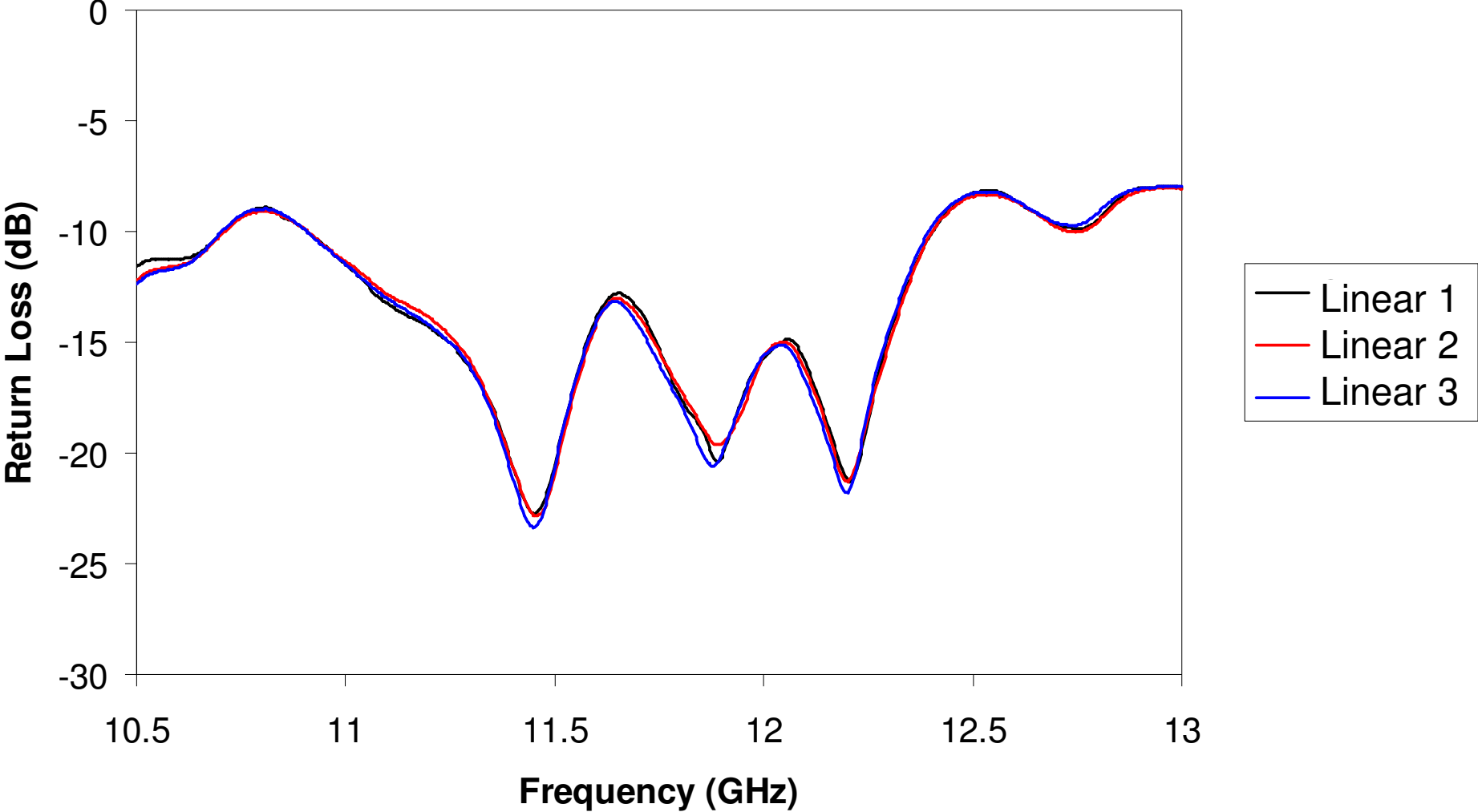
# Circularly Polarized, C Band

$S_{22}$



# Linearly Polarized, Ku Band

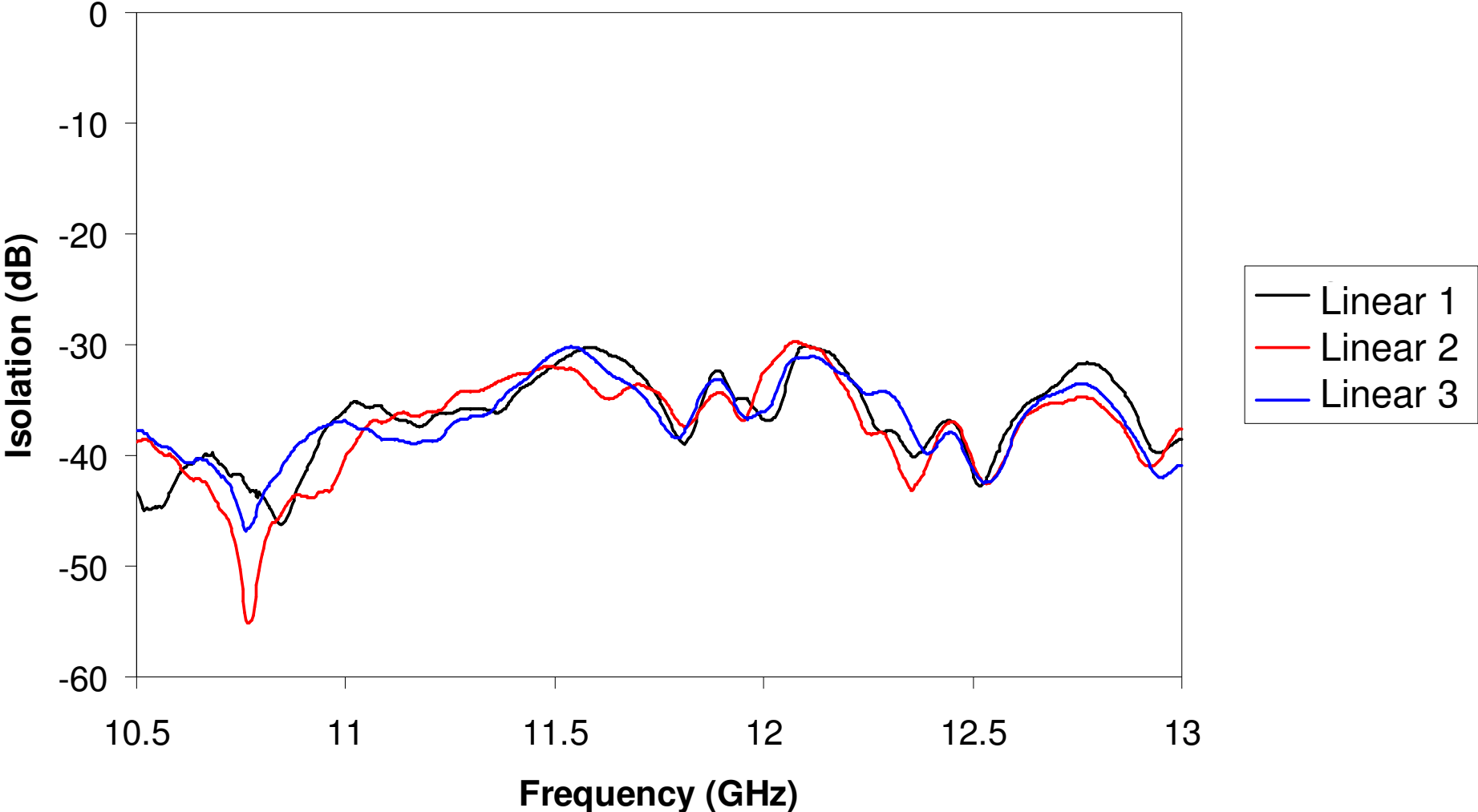
## $S_{11}$ (side port)





# Linearly Polarized, Ku Band

$S_{12}$



# Linearly Polarized, Ku Band $S_{22}$ (through port)

