

Alpha Antenna Design for 11N Cardbus

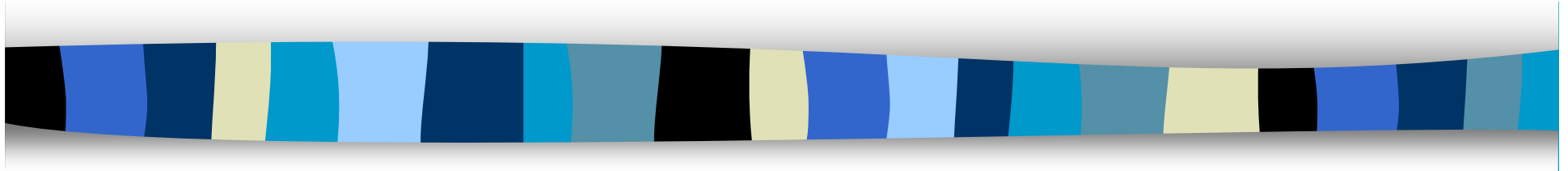
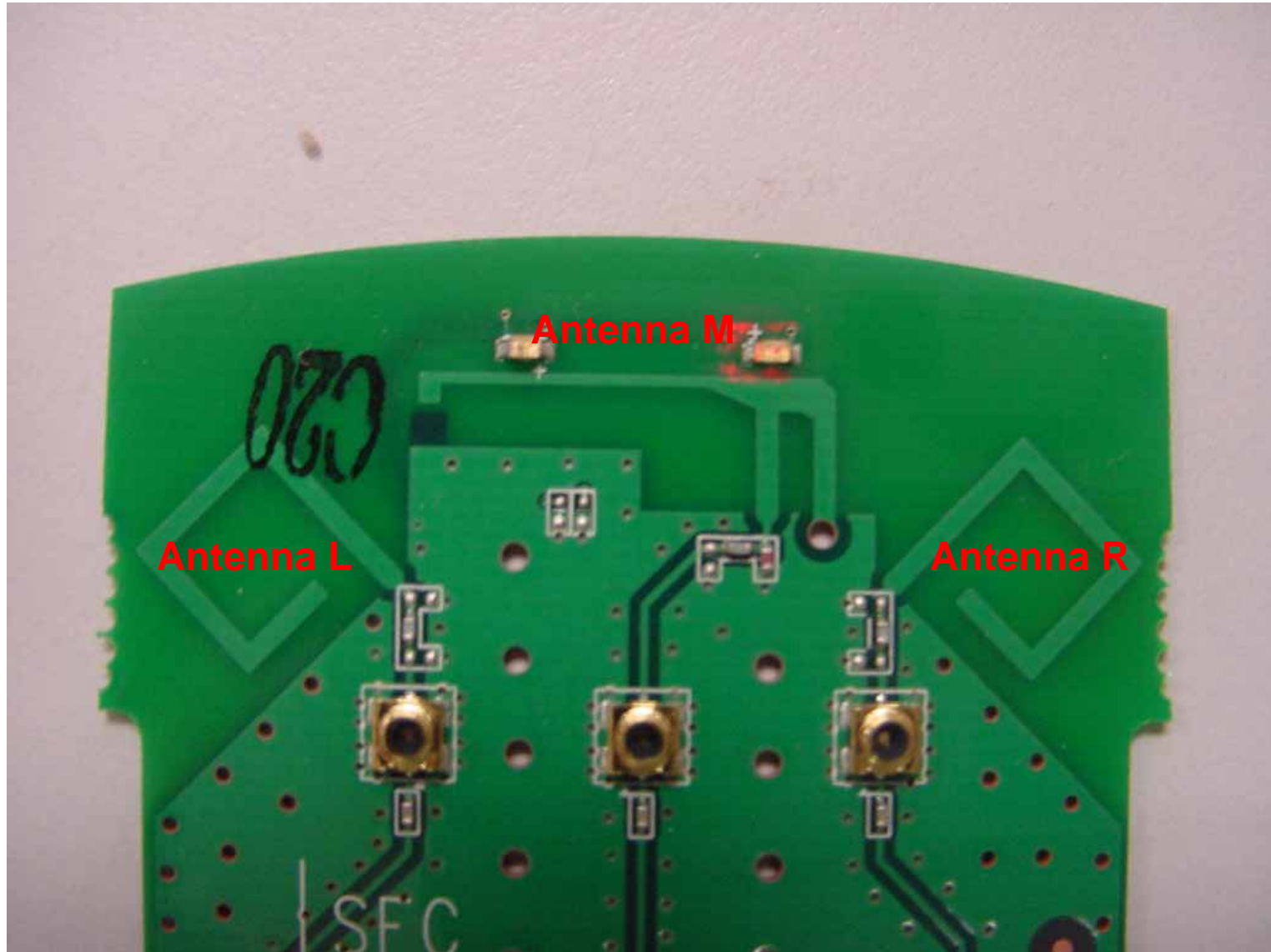
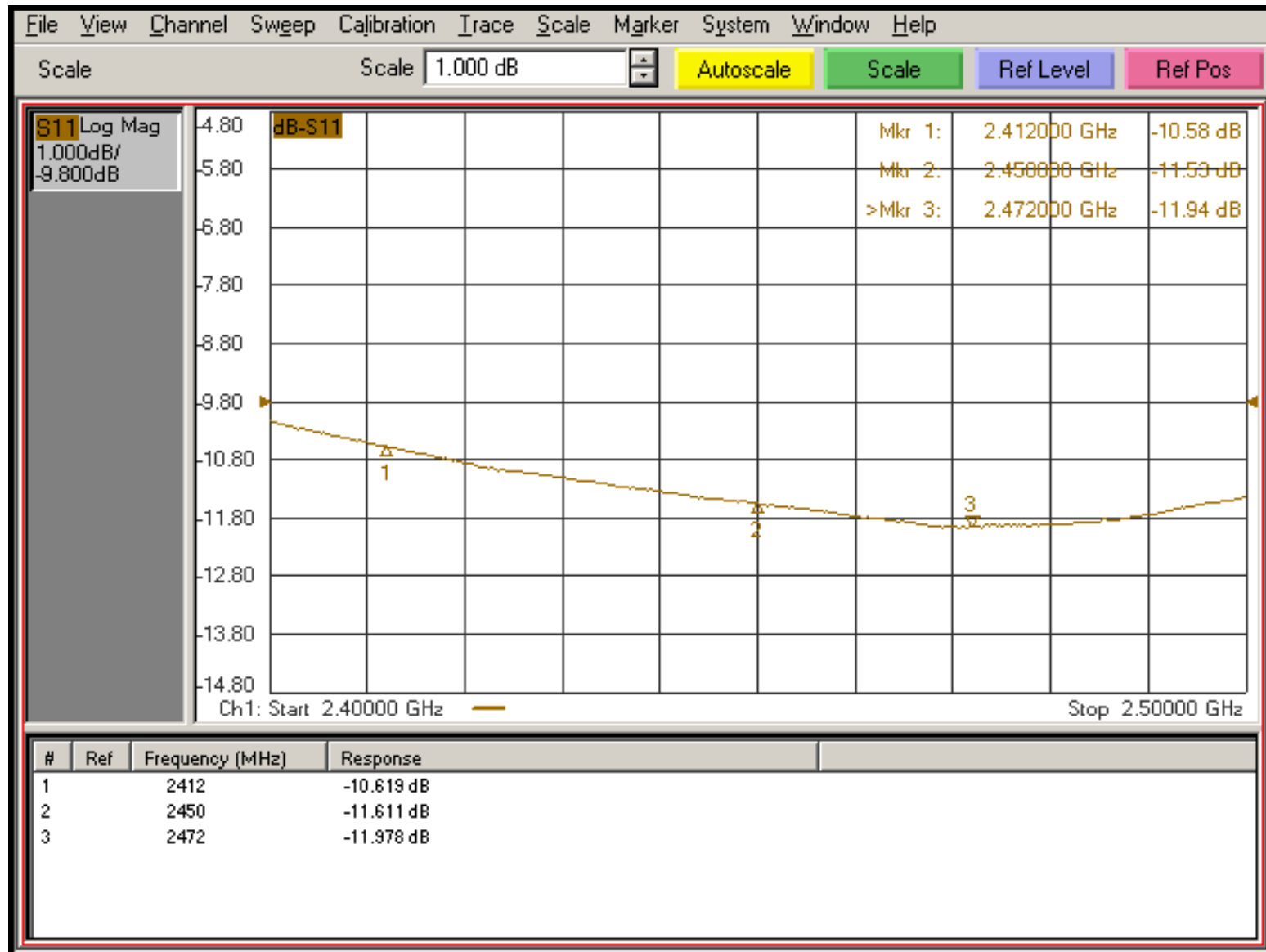


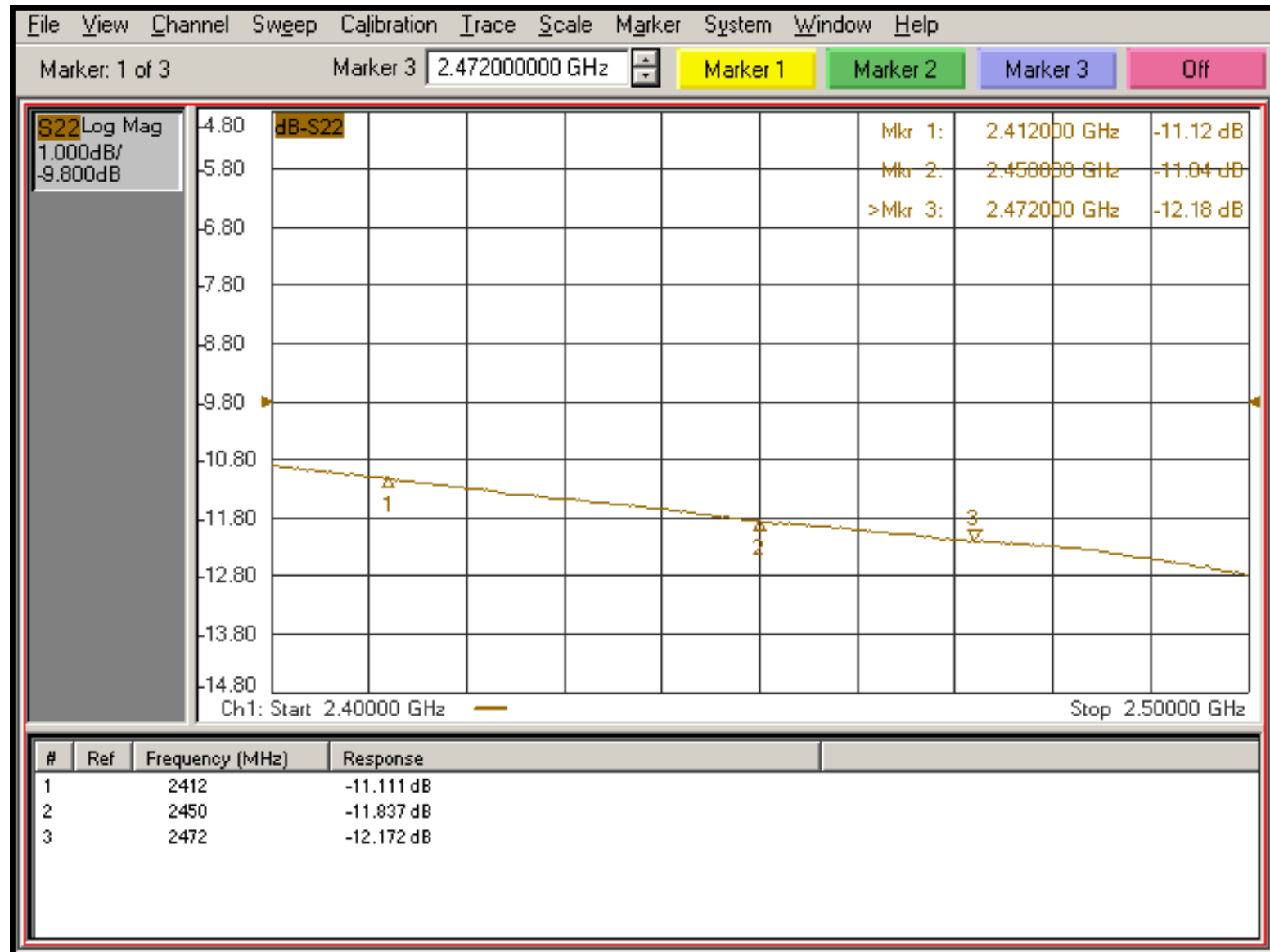
Illustration of Antenna Location



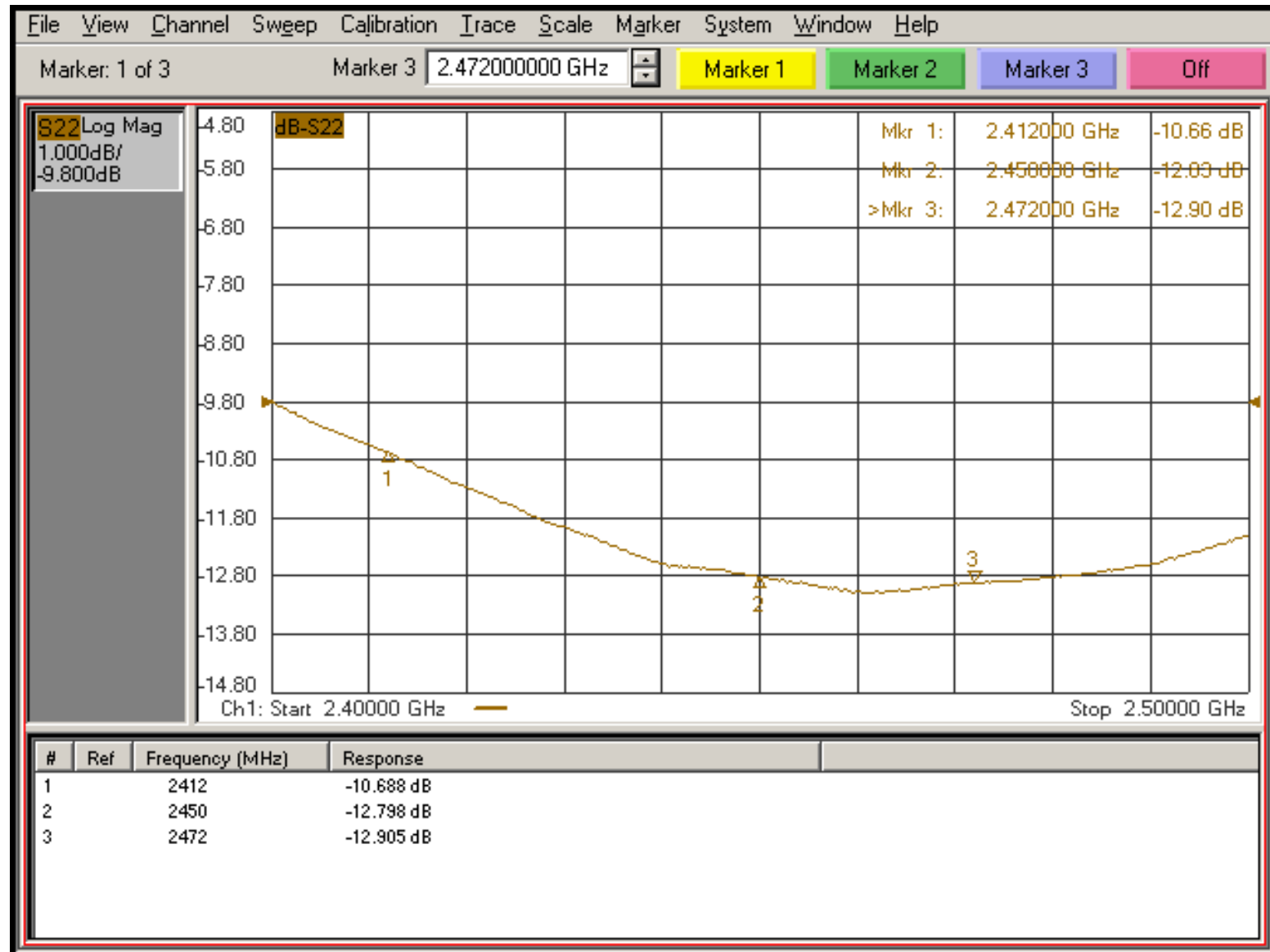
Return Loss of Antenna L



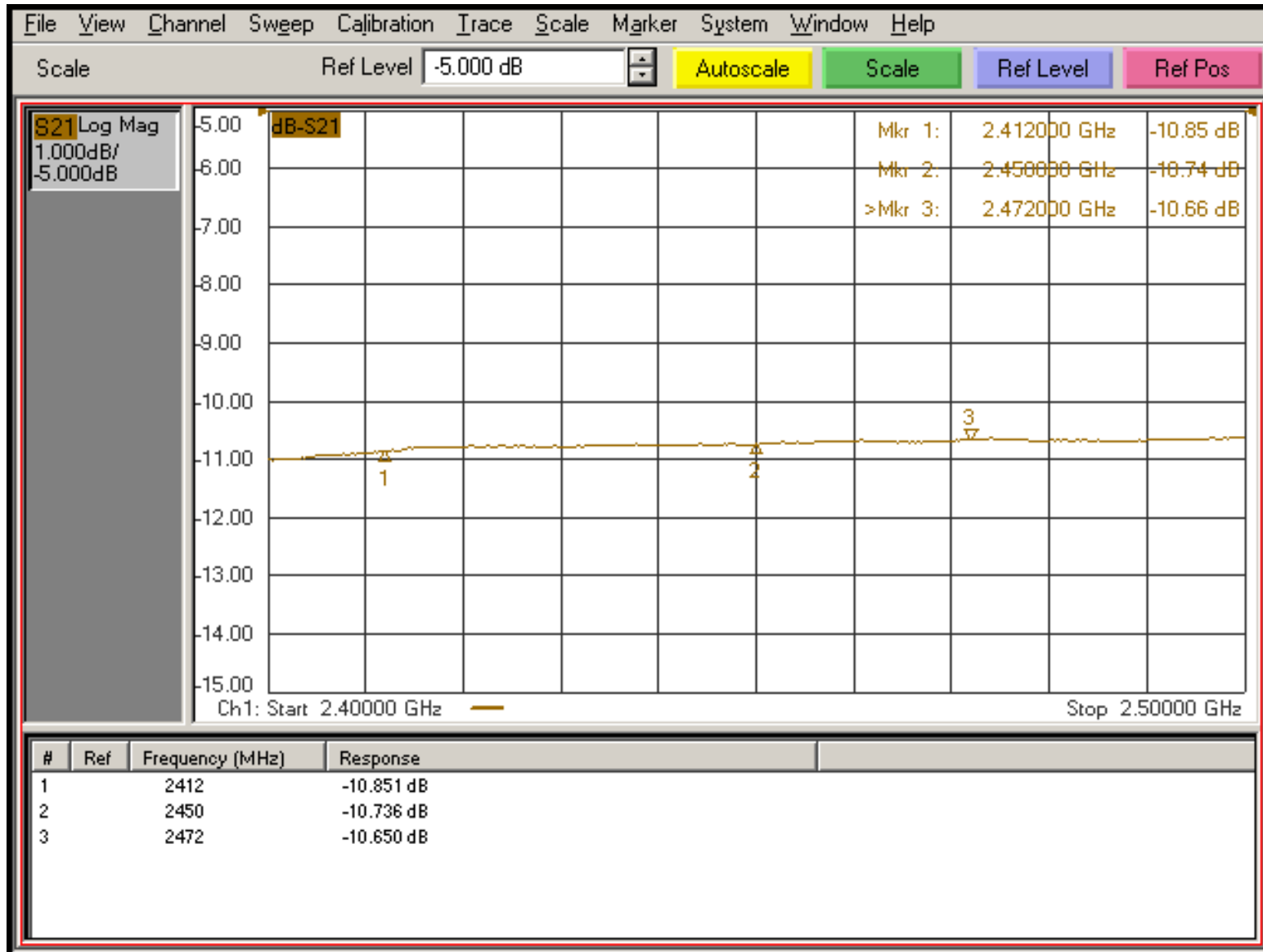
Return Loss of Antenna M



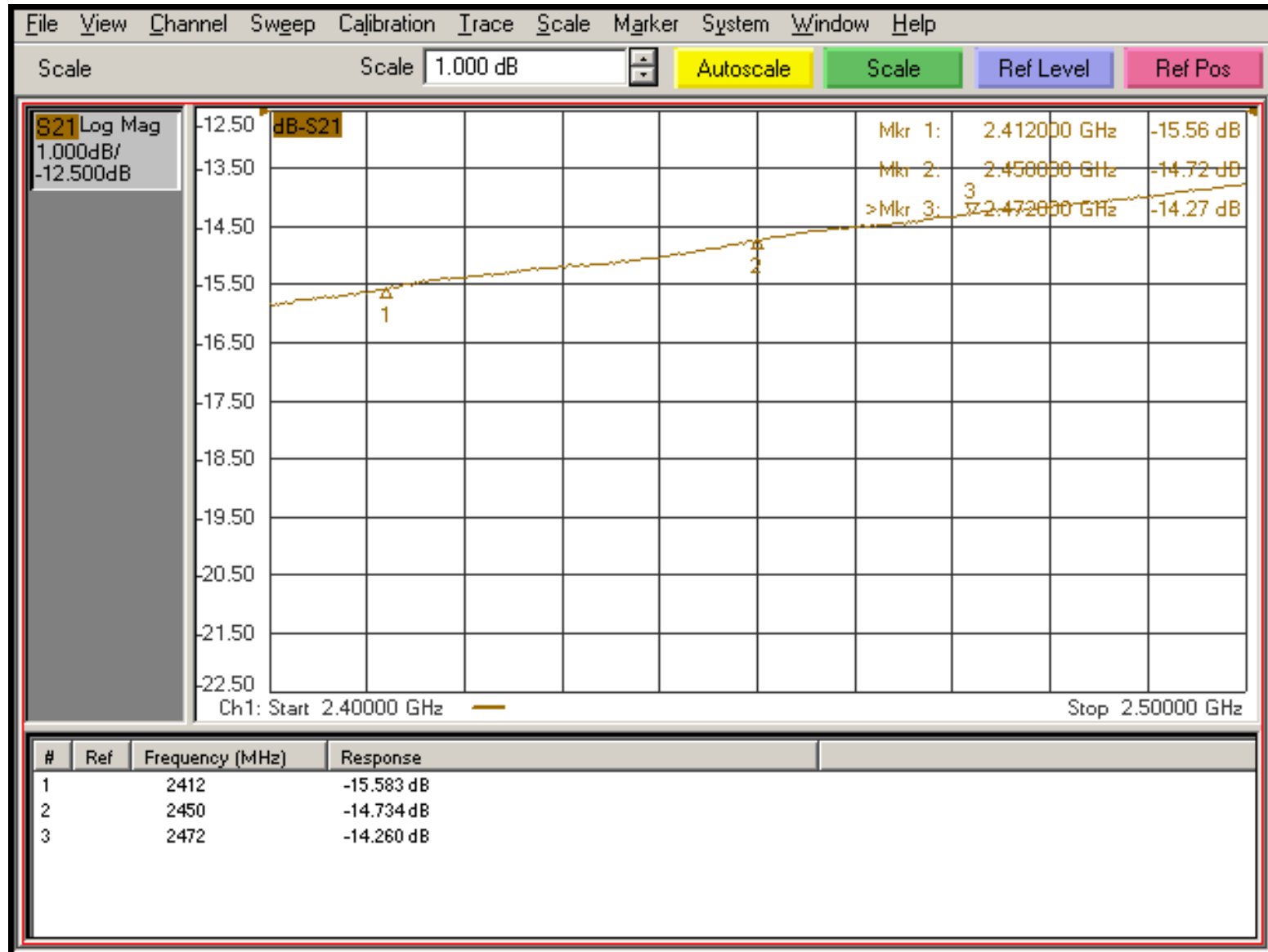
Return Loss of Antenna R



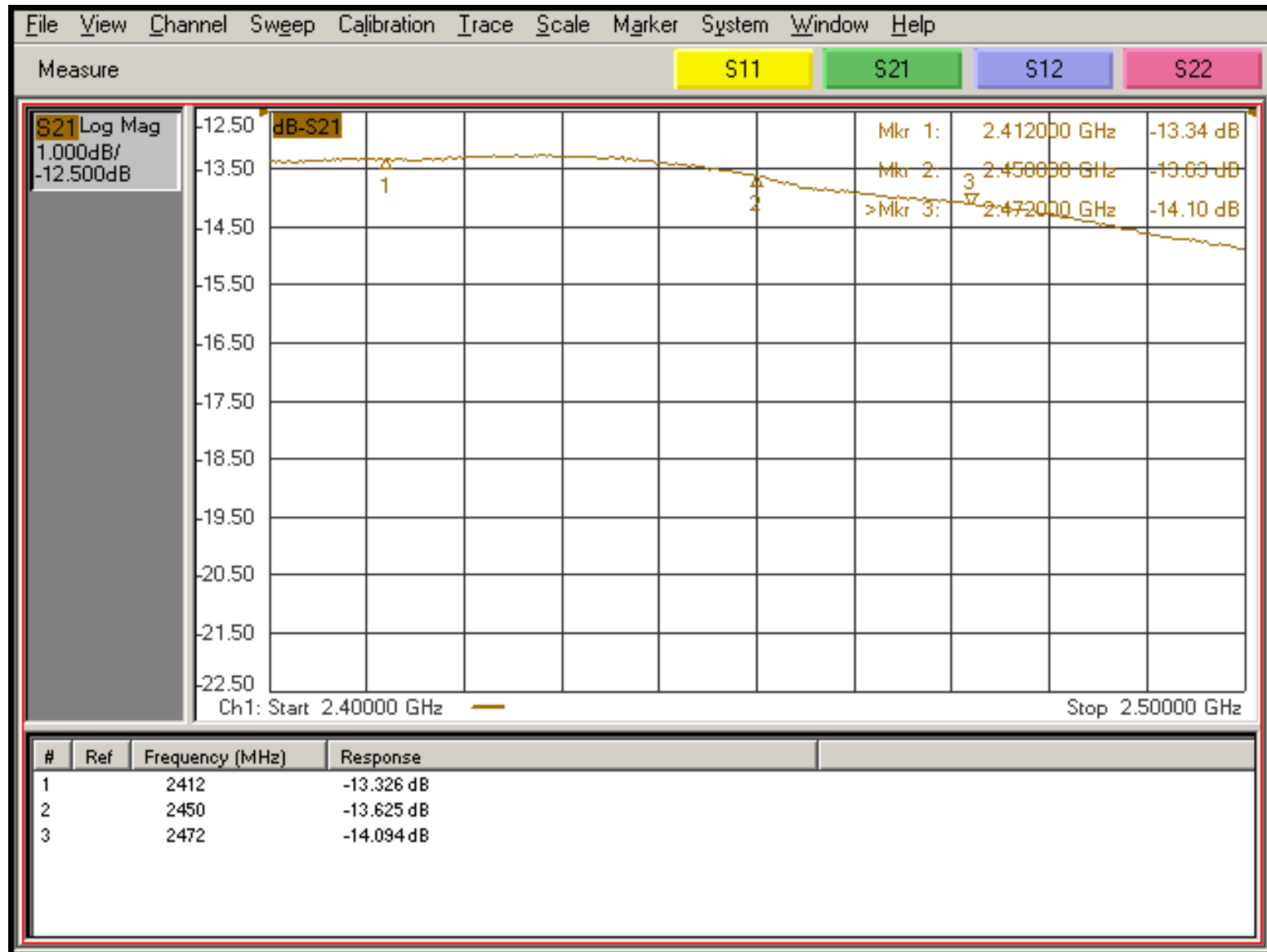
Isolation between Antenna M & Antenna R



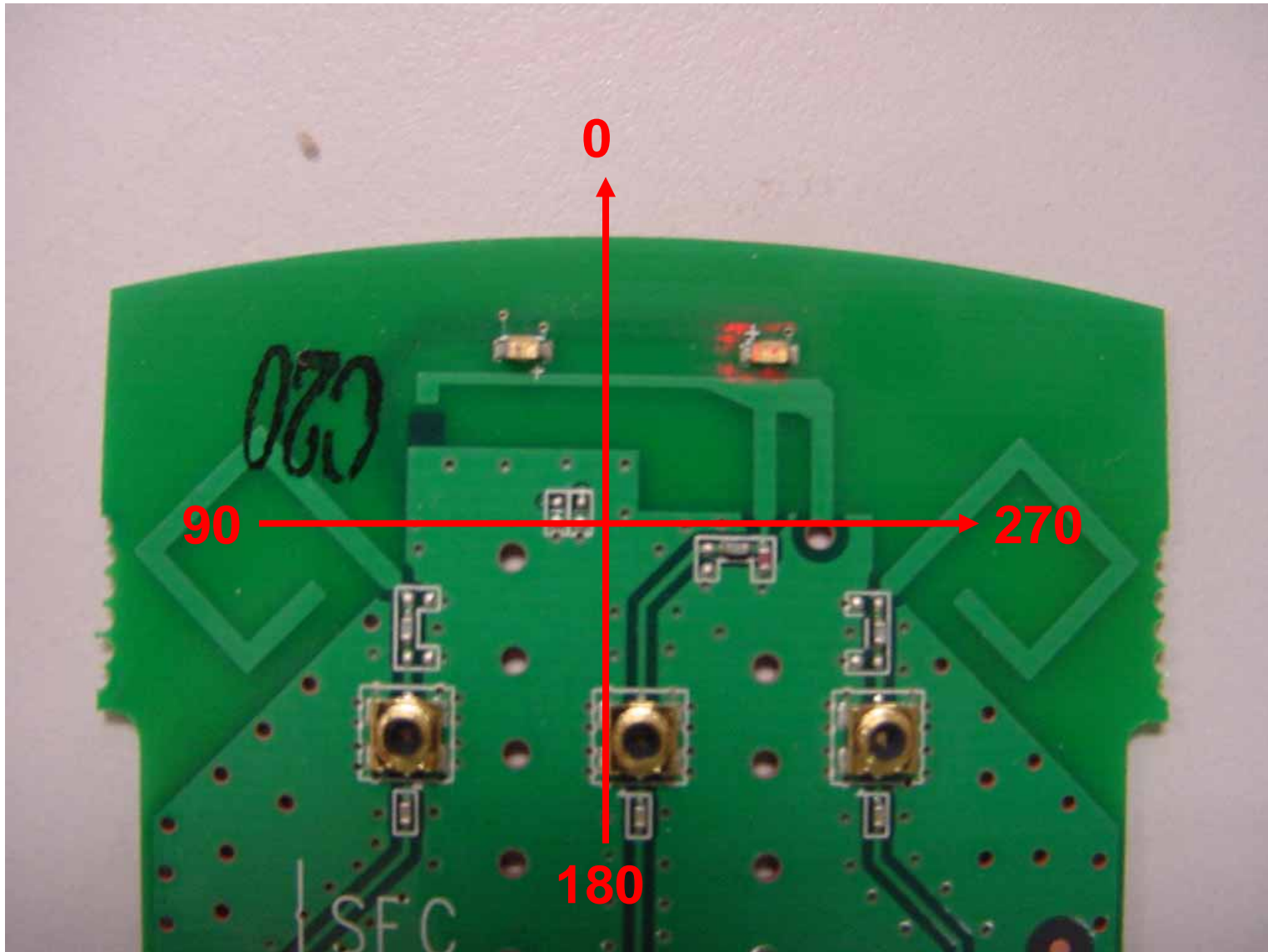
Isolation between Antenna M & Antenna L



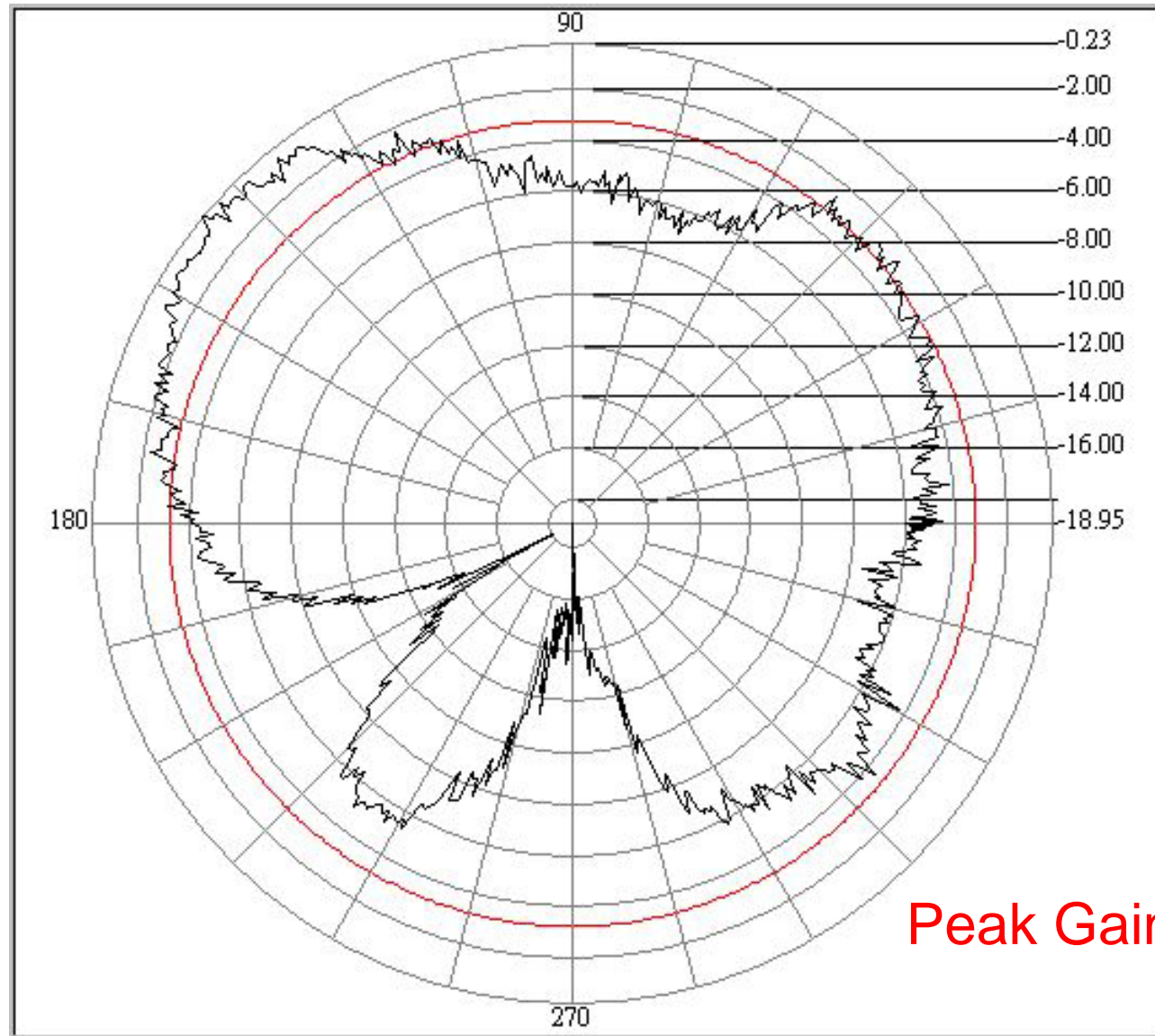
Isolation between Antenna R & Antenna L



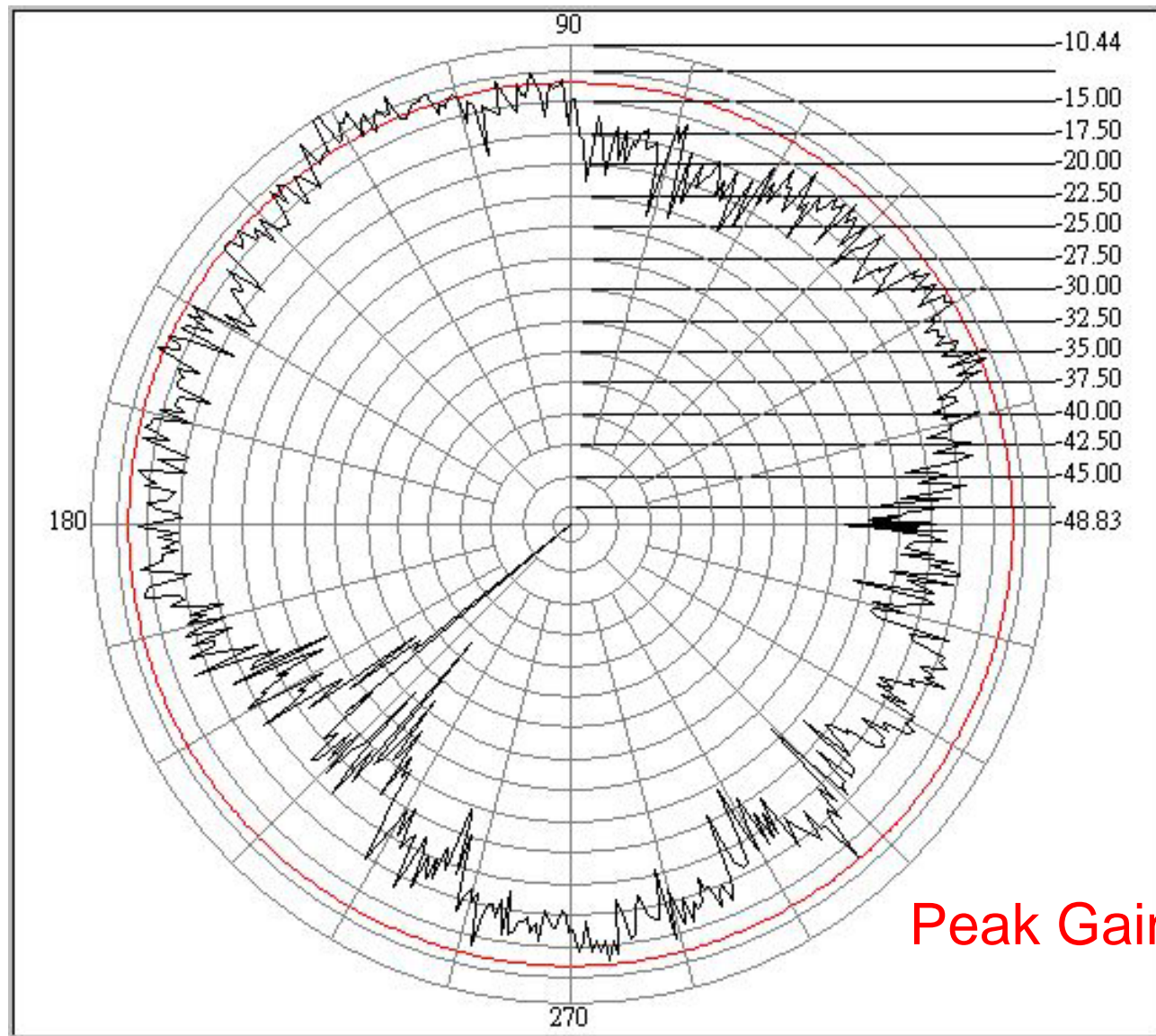
Rotation Angle for scanning



Radiation Pattern of Antenna L – H Polarization

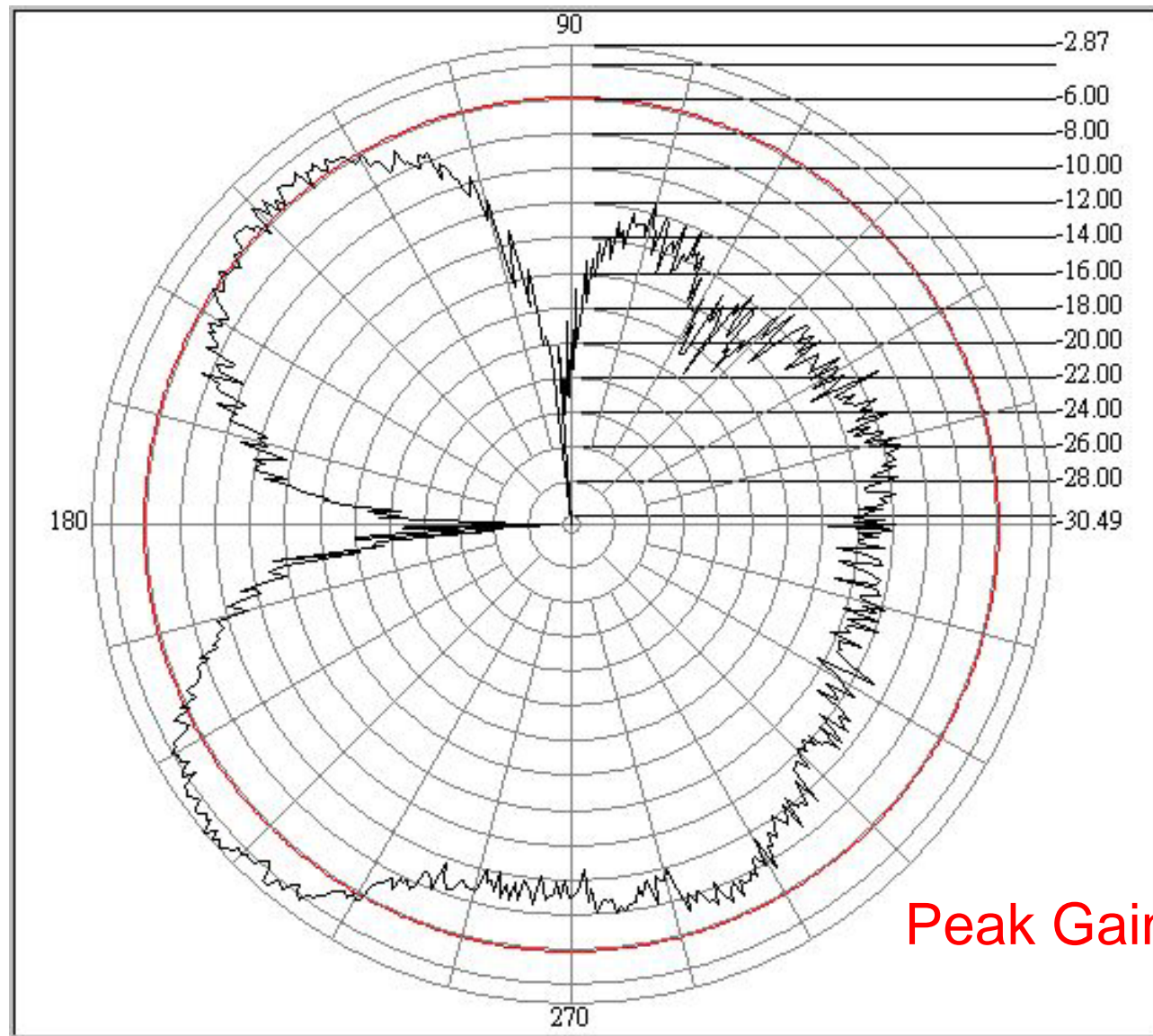


Radiation Pattern of Antenna L – V Polarization



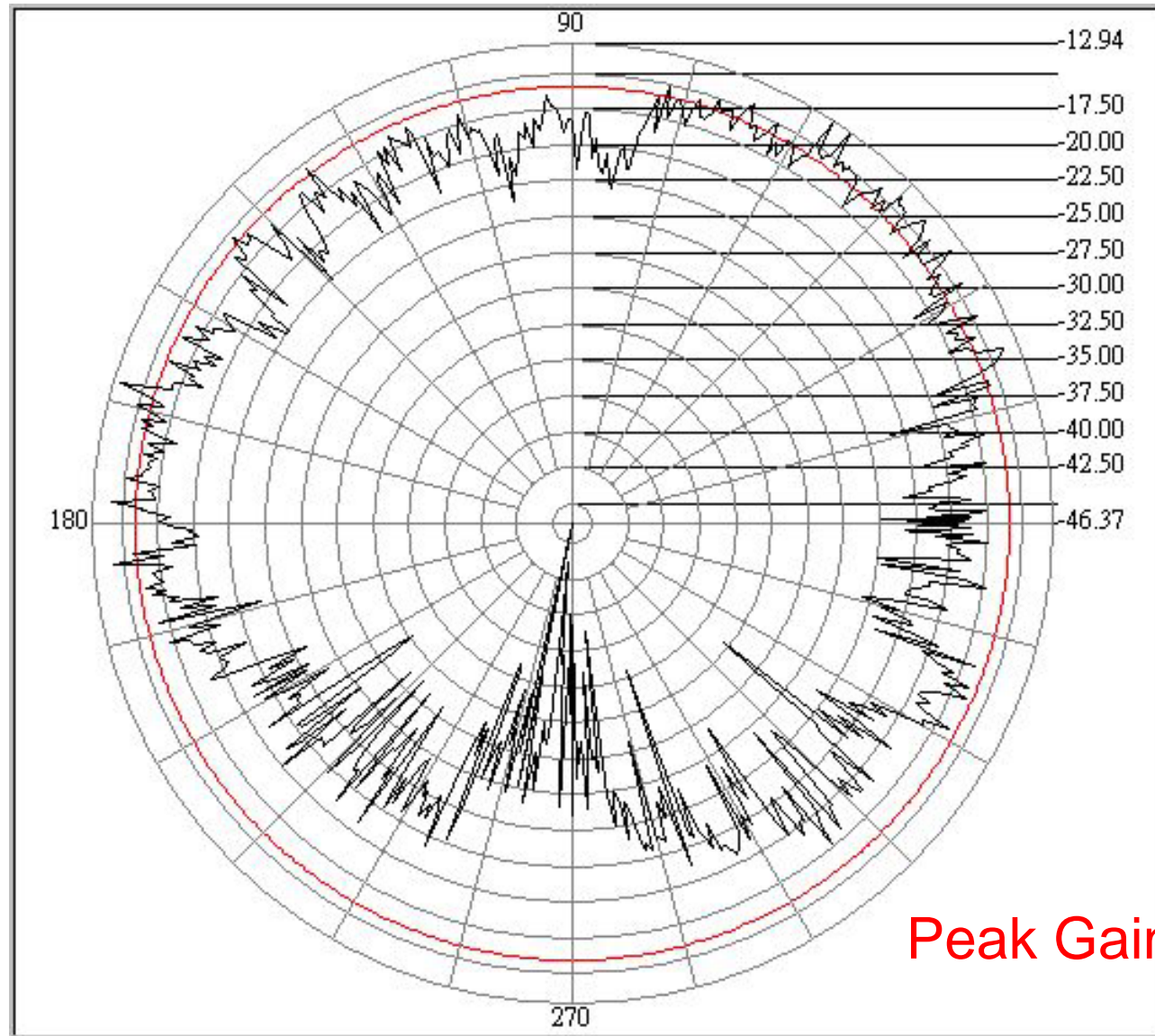
Peak Gain = -10.44

Radiation Pattern of Antenna M – H Polarization



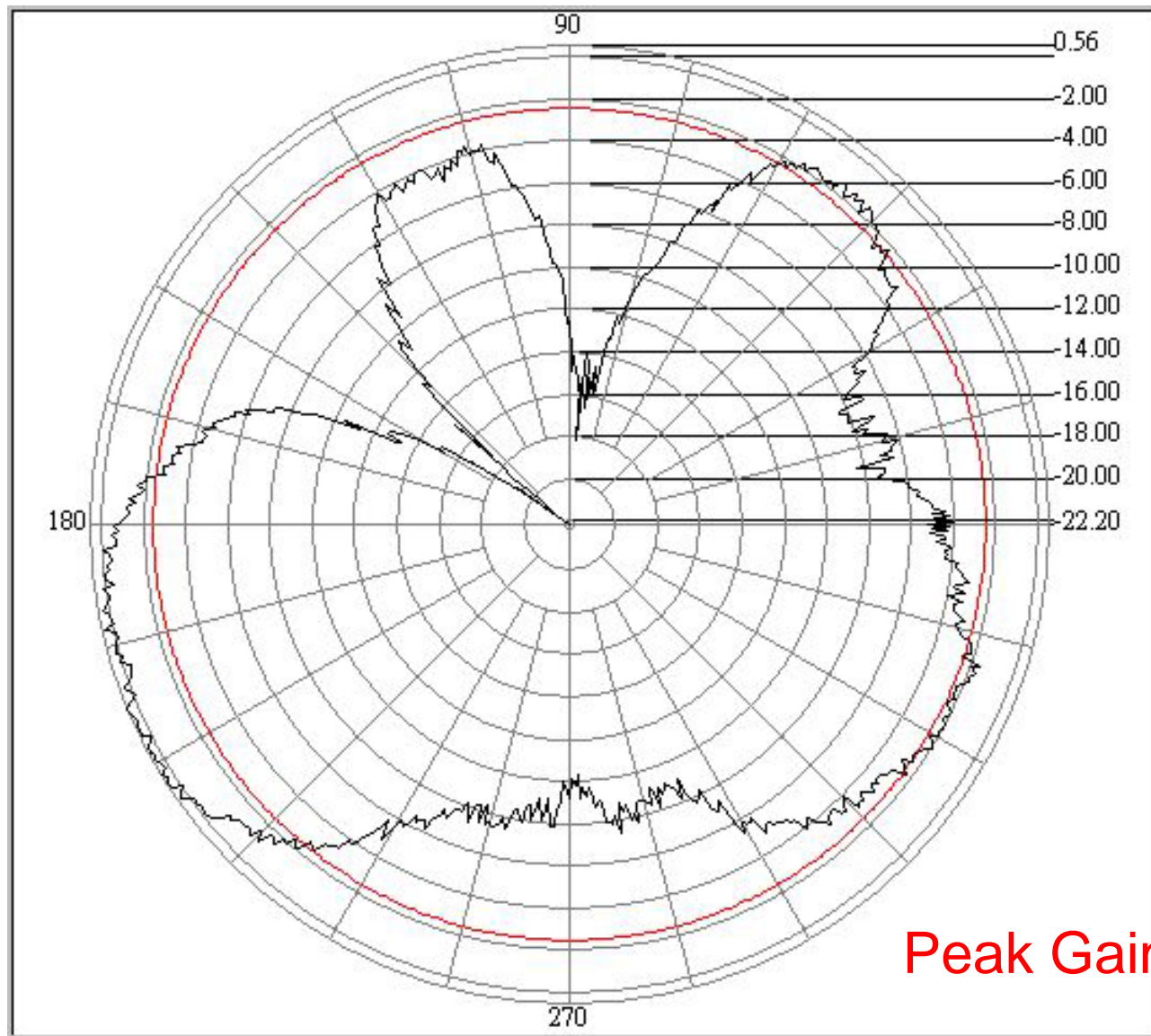
Peak Gain = -2.87

Radiation Pattern of Antenna M – V Polarization



Peak Gain = -12.94

Radiation Pattern of Antenna R – H Polarization



Peak Gain = 0.56

Radiation Pattern of Antenna R – V Polarization

