

Antenna Datasheet

1.Configuration

Manufacturer: SKYRELAY

Type: Patch

Address:Rm9010,Tower E,Power Creative Building,No 1,Shangdi East Road,Haidian District Beijing

Specification:

Item	Frequency	Antenna Gain (Center Frequency)
	76-81GHz	5.3dBi

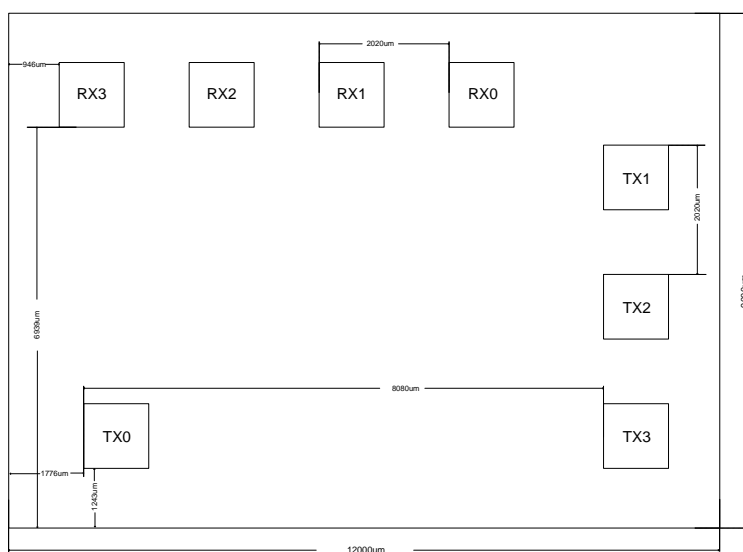
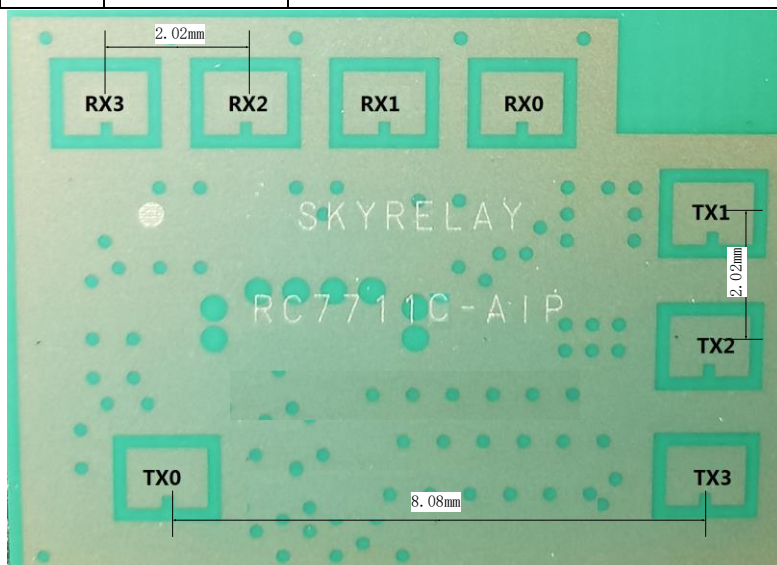


Figure 1 Configuration of RC7711C-AIP

2. TX Antenna Simulation Results

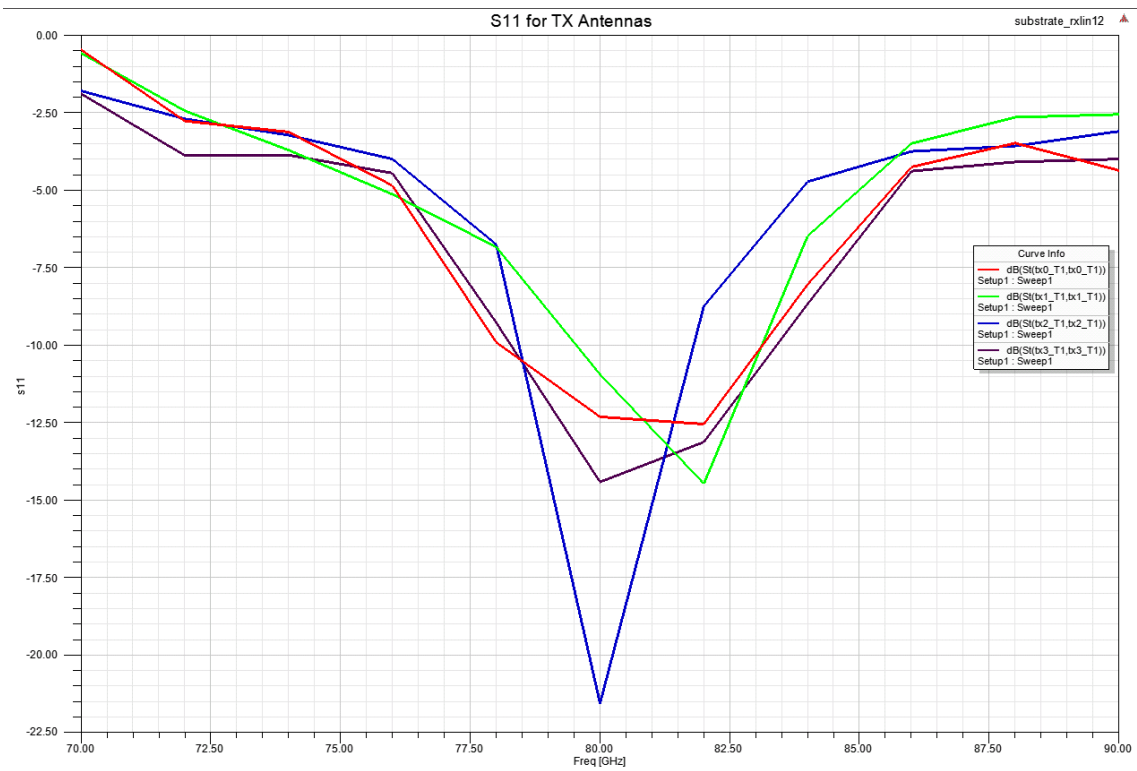


Figure 2 S11 for TX Antennas

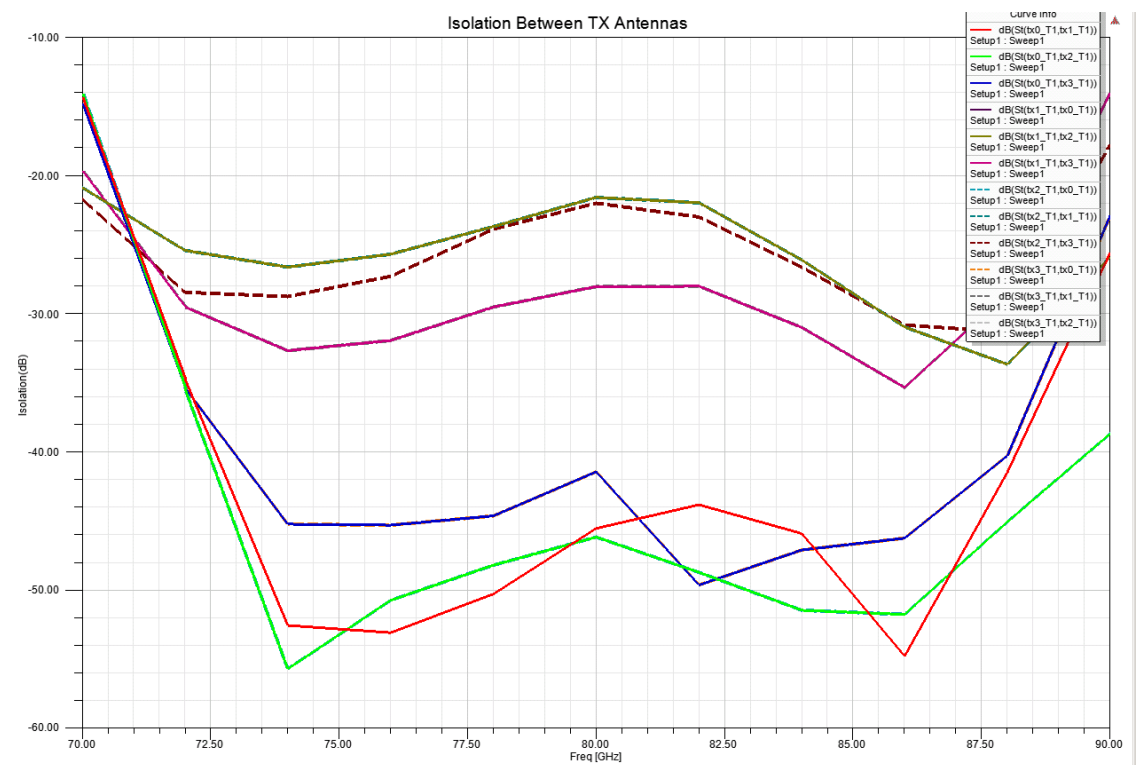
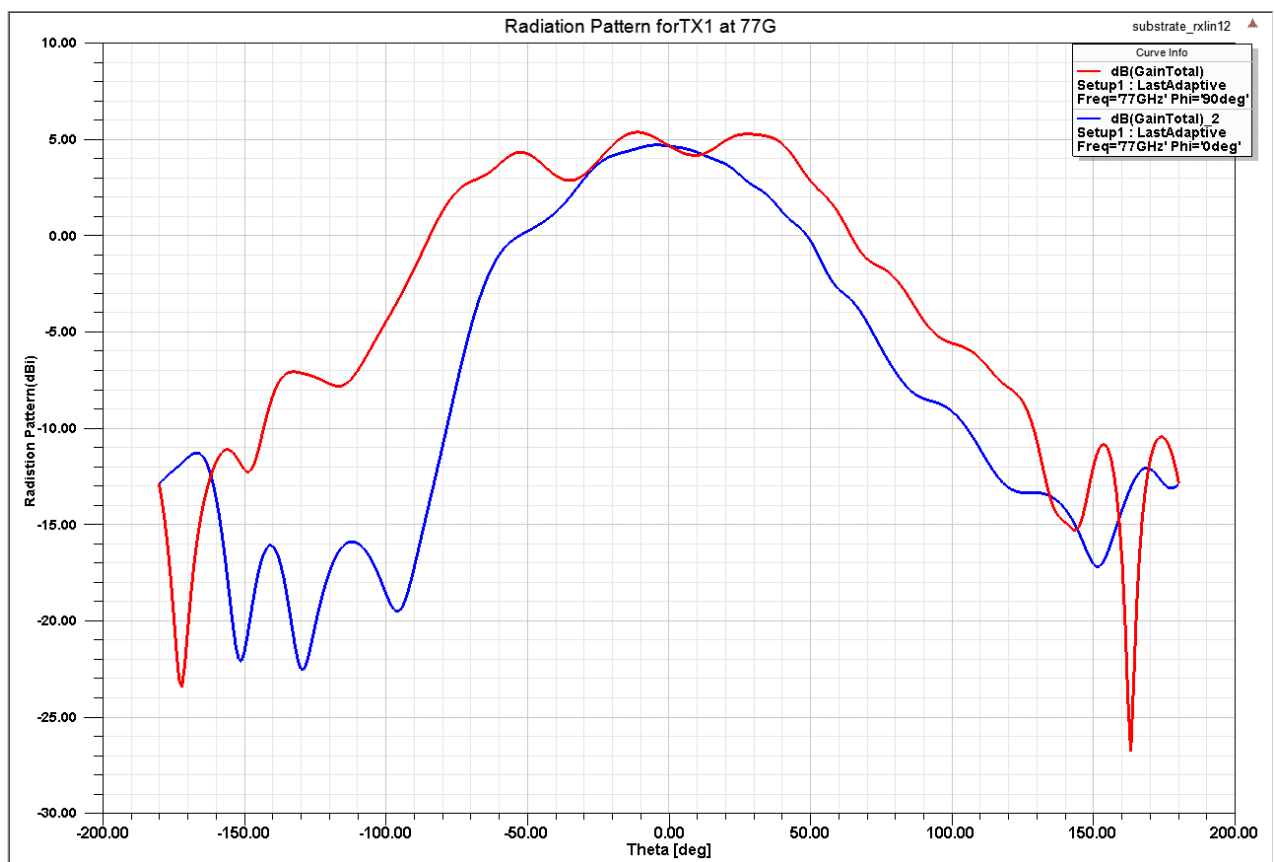
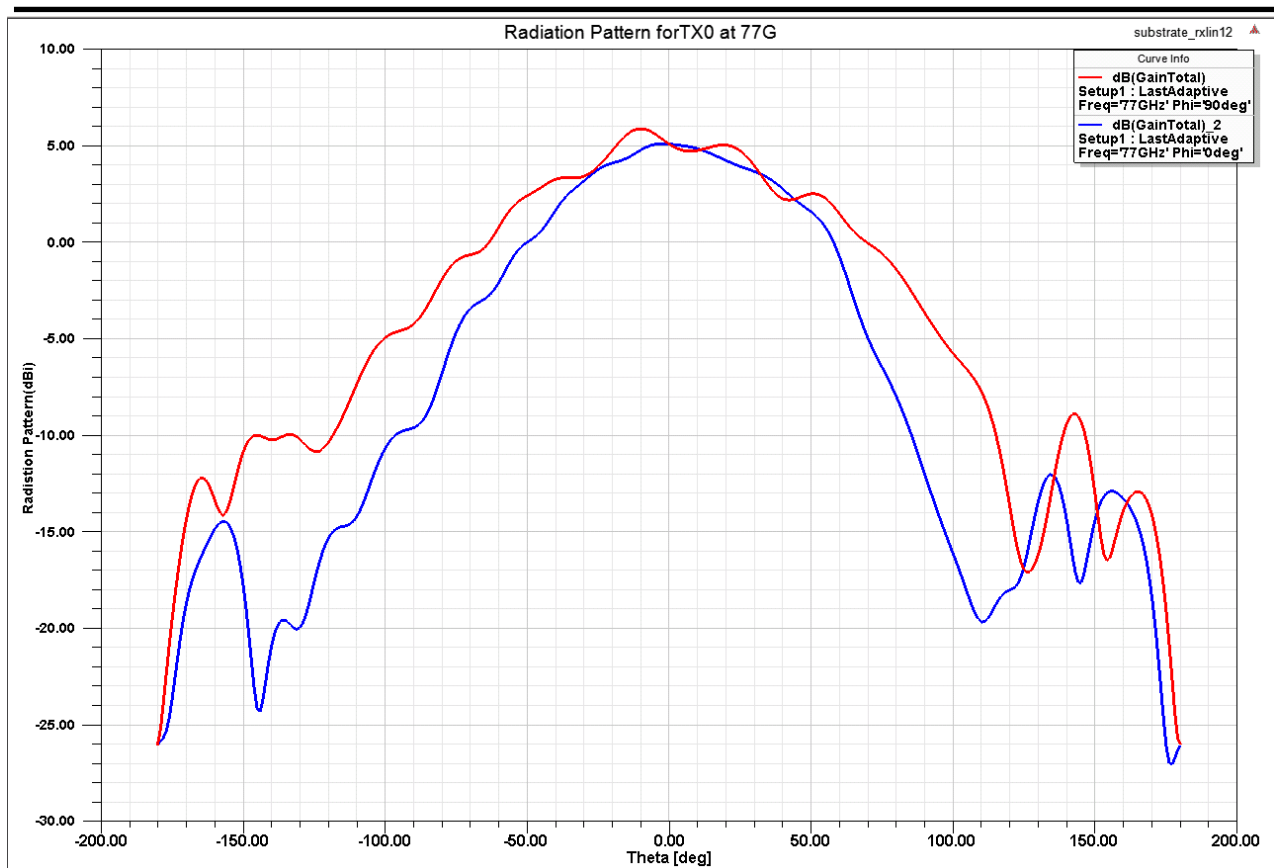


Figure 3 Isolation between TX Antennas



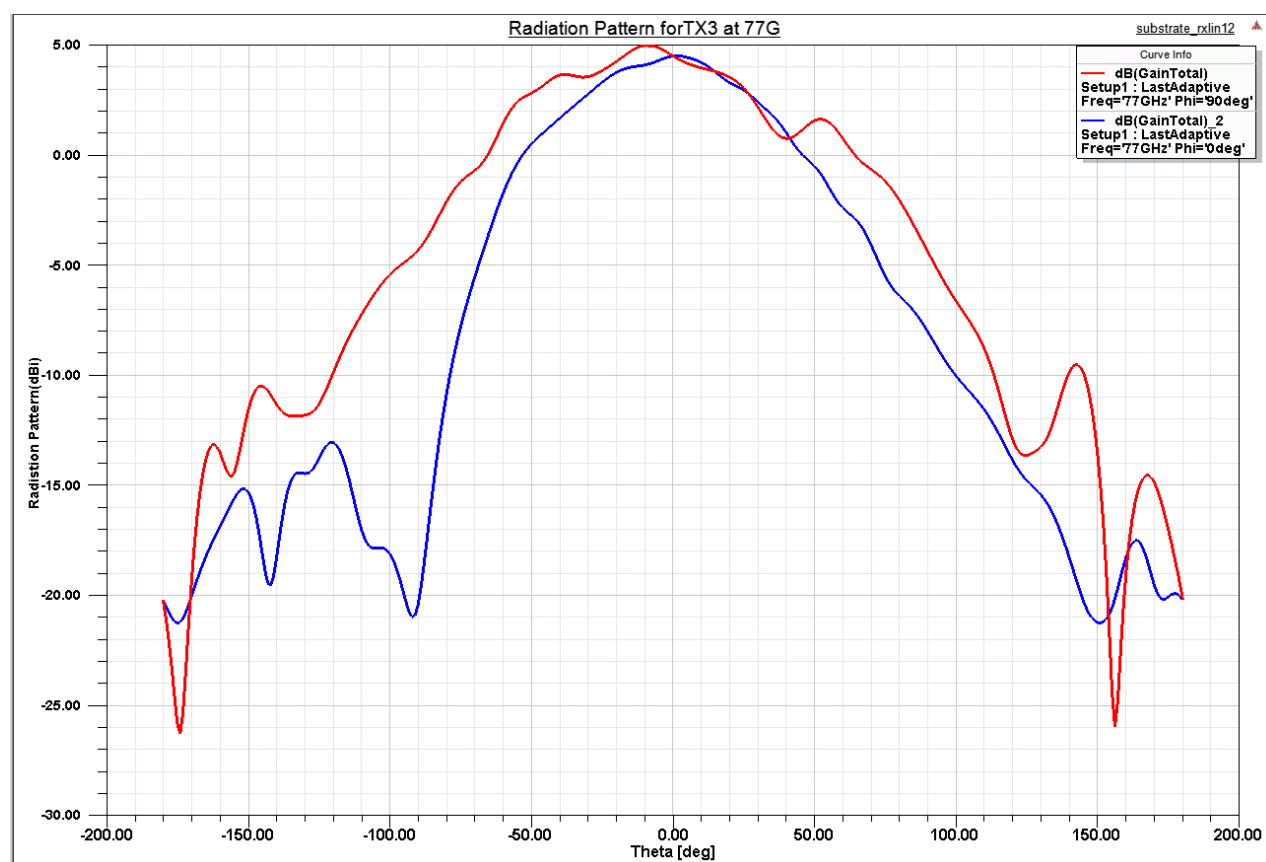
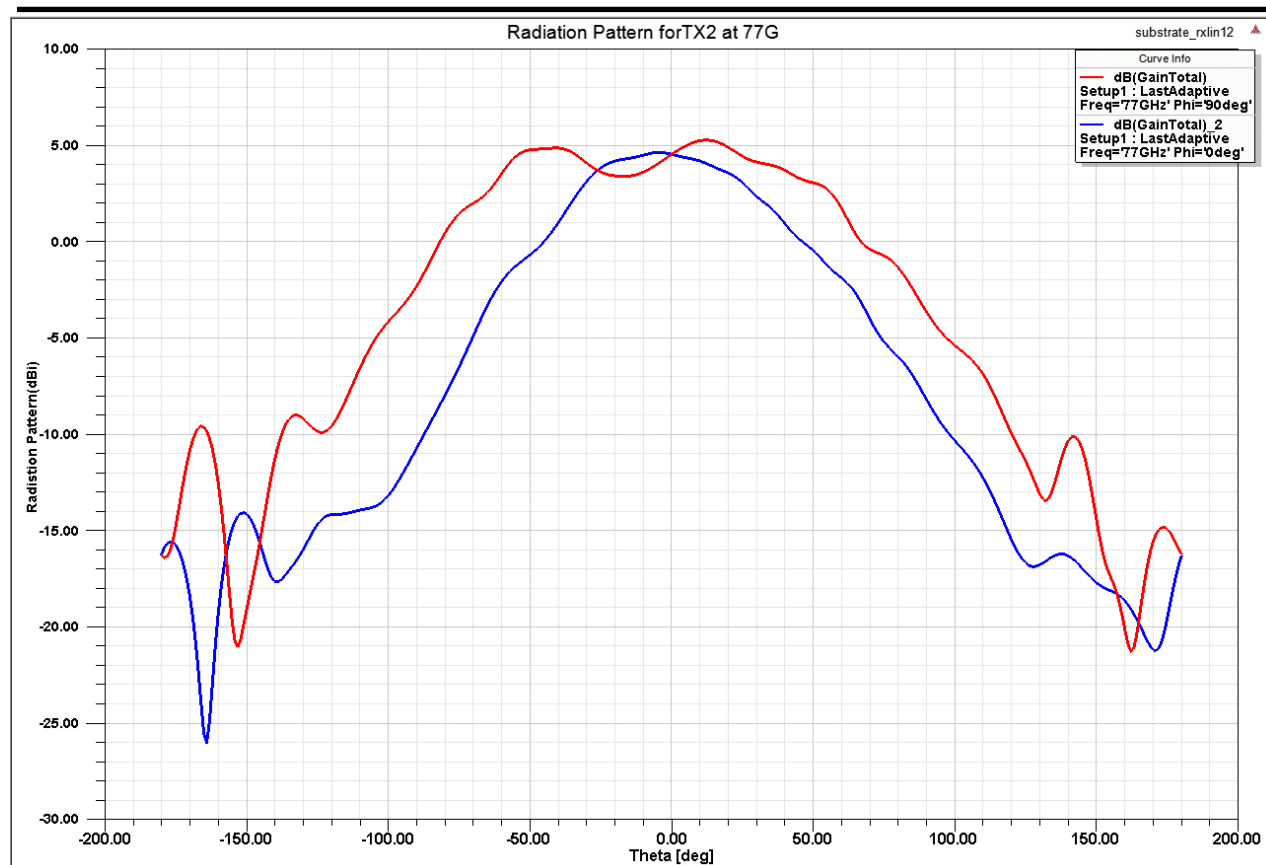


Figure 4 Radiation Pattern for TX Antennas at 77GHz

3.RX Antenna Simulation Results

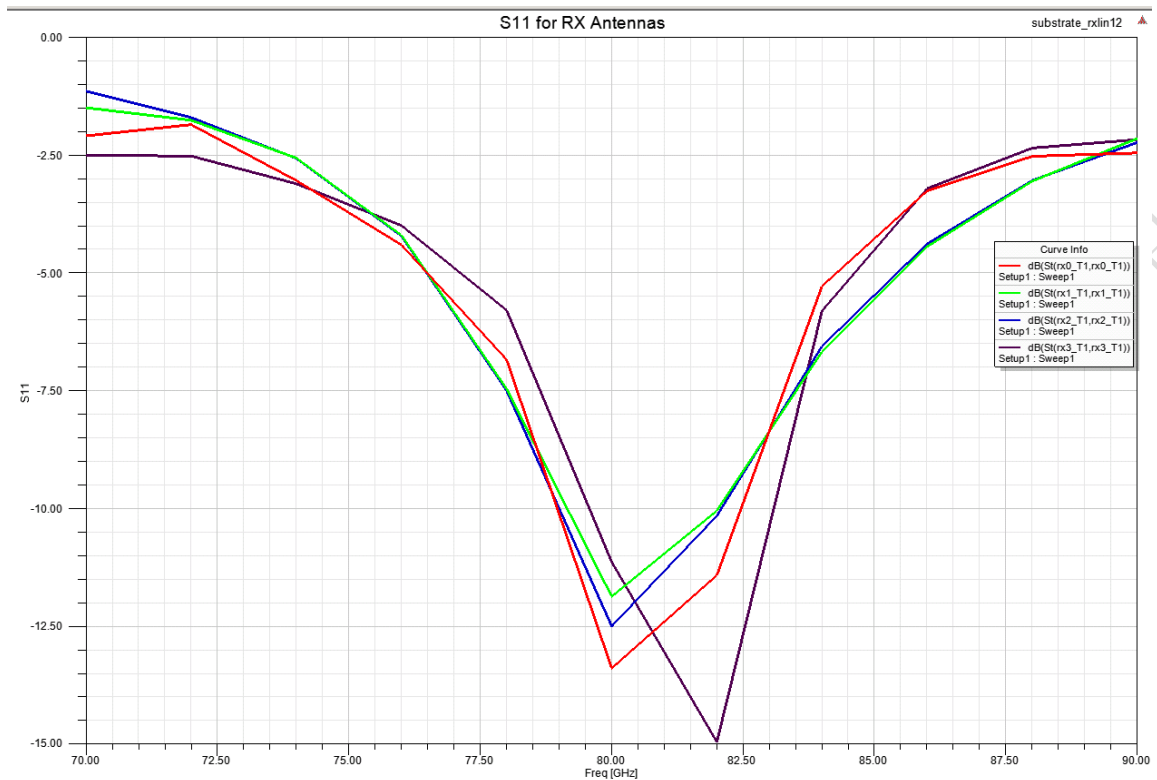


Figure 5 S11 for RX Antennas

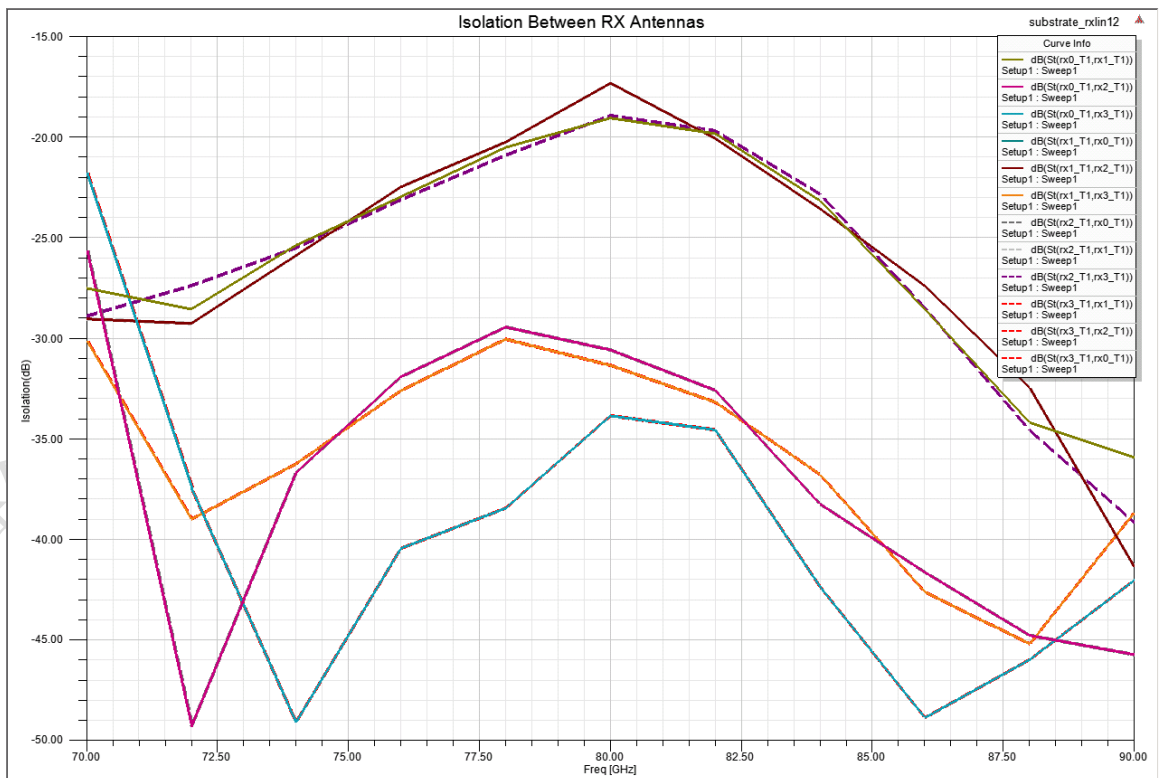
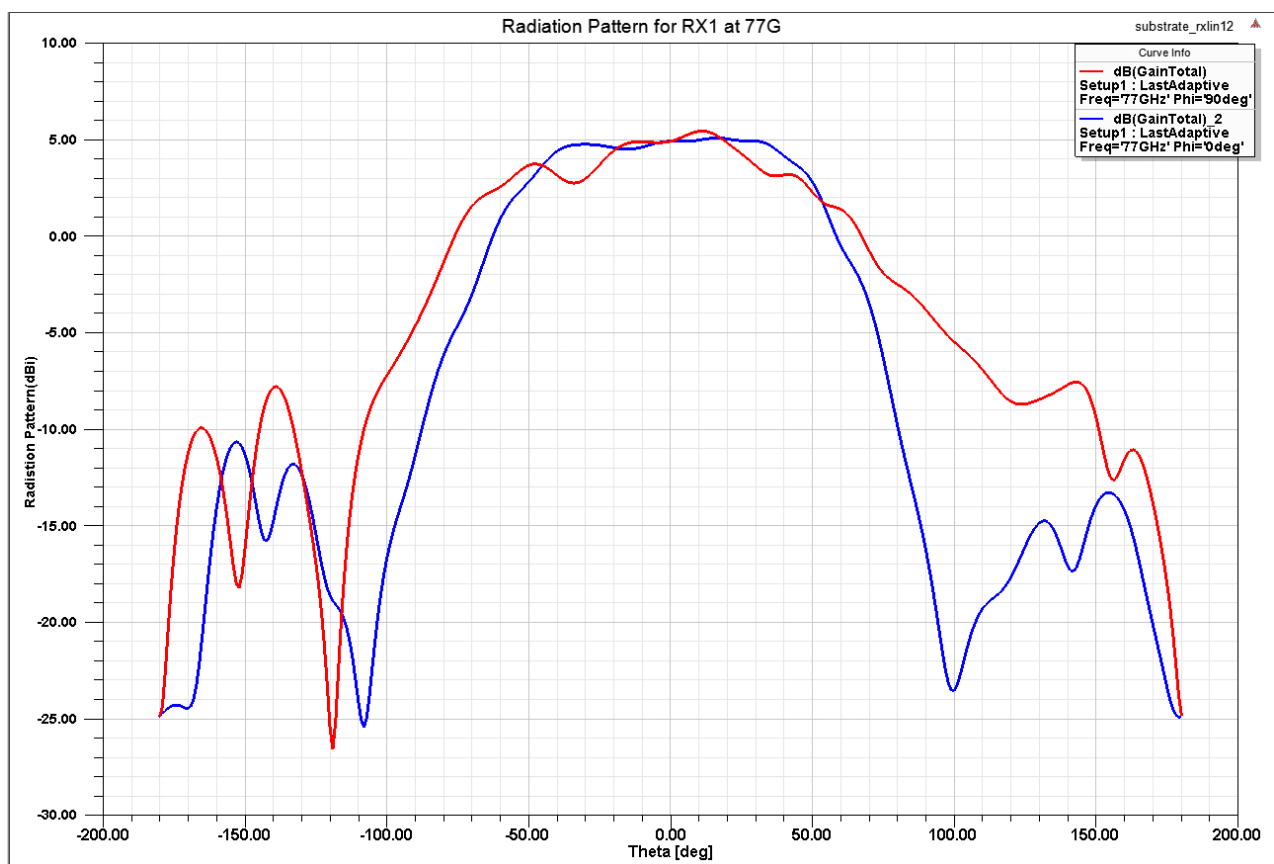
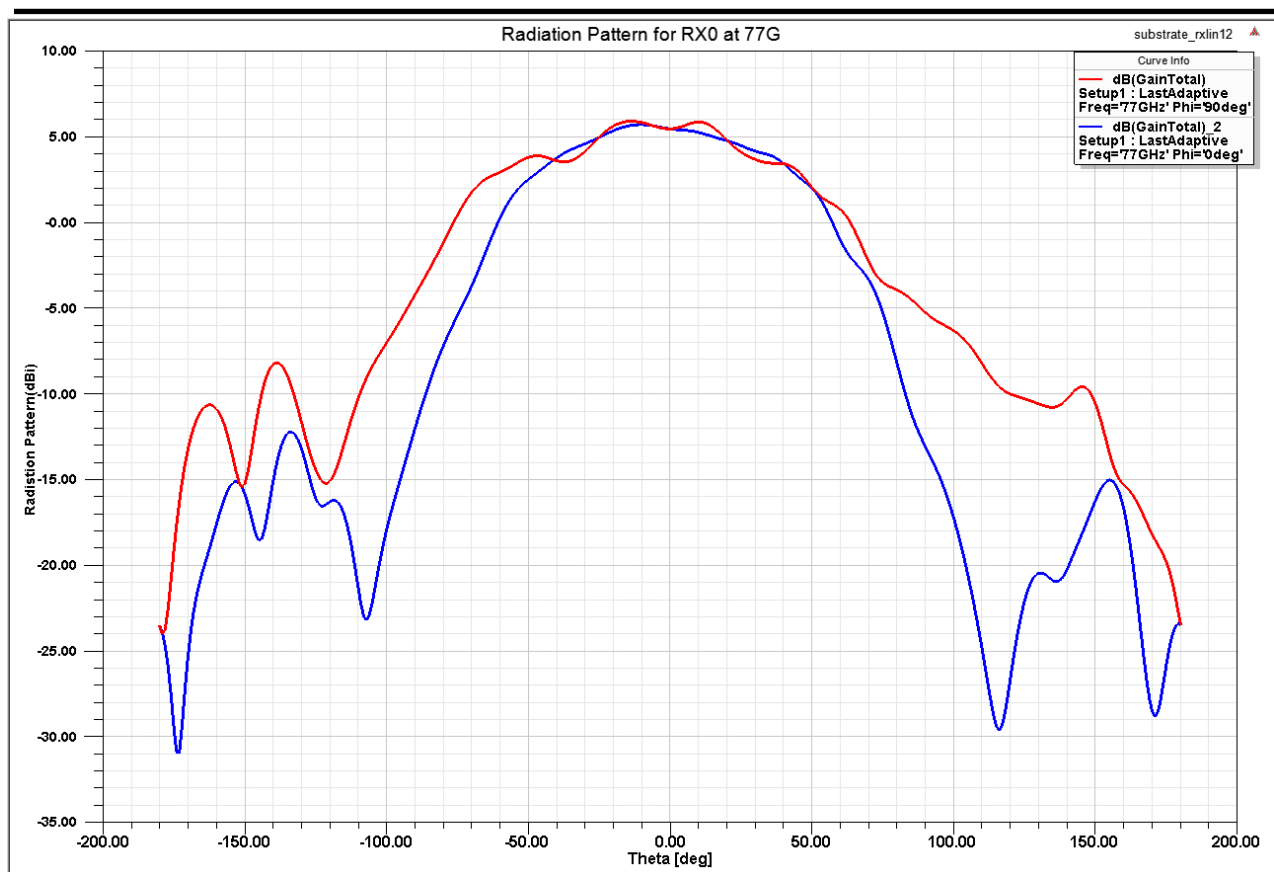


Figure 6 Isolation between RX Antennas



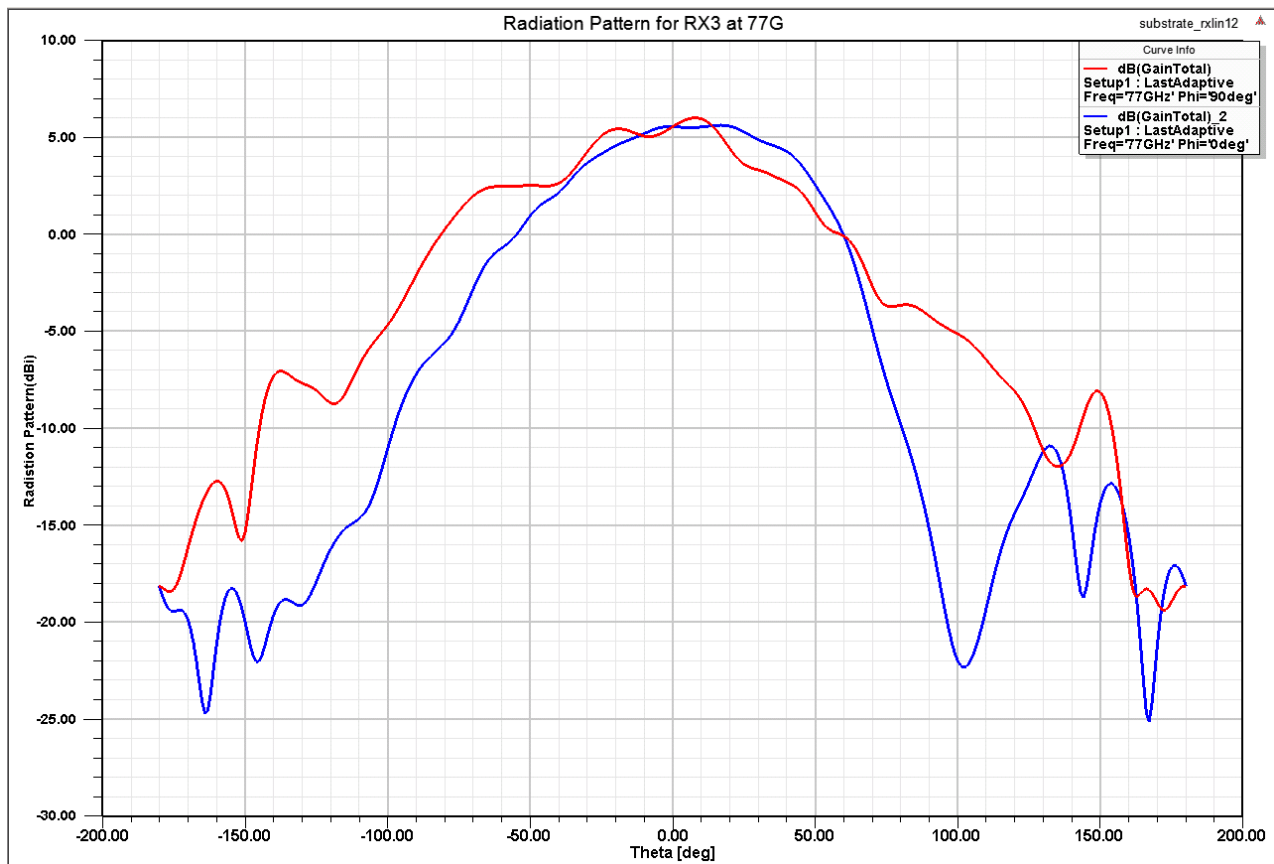
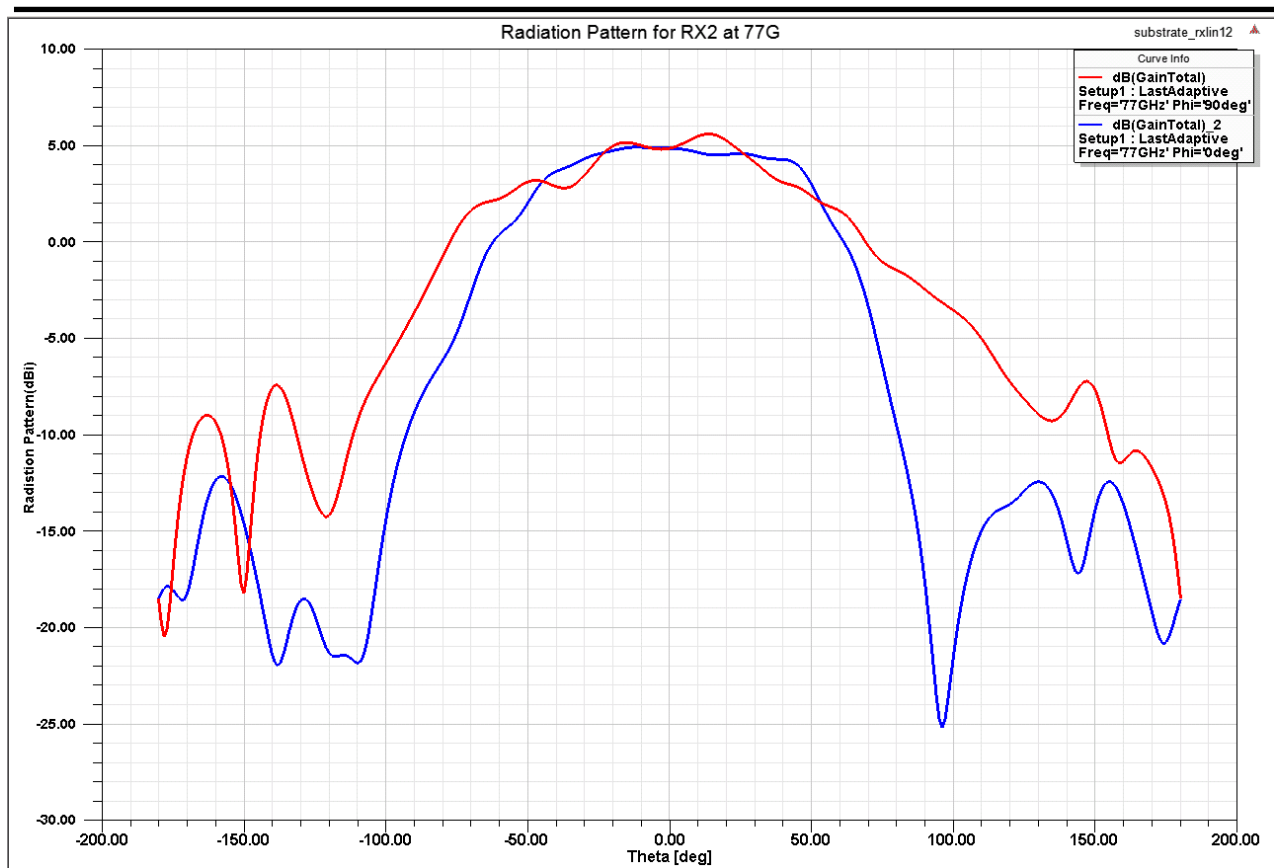


Figure 7 Radiation Pattern for RX Antennas at 77GHz