

Antenna Datasheet

1.Configuration

Manufacturer: SKYRELAY

Type: Patch

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

Item	Frequency	Antenna Gain (Center Frequency)
	76-81GHz	6dBi

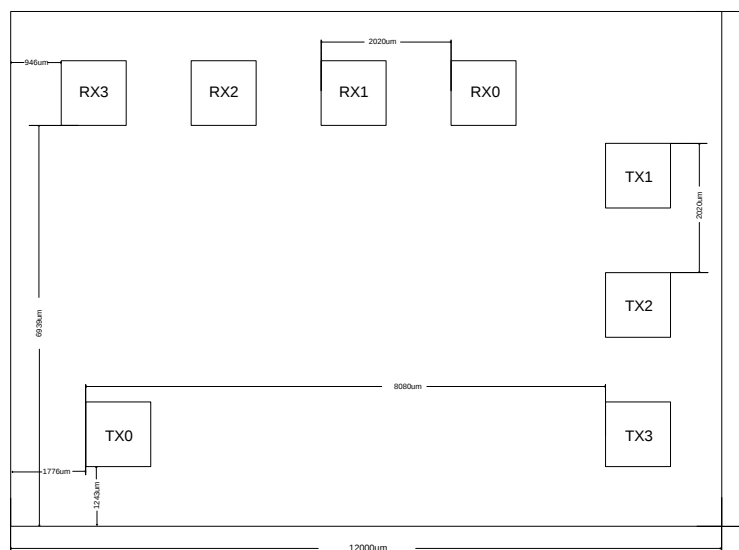
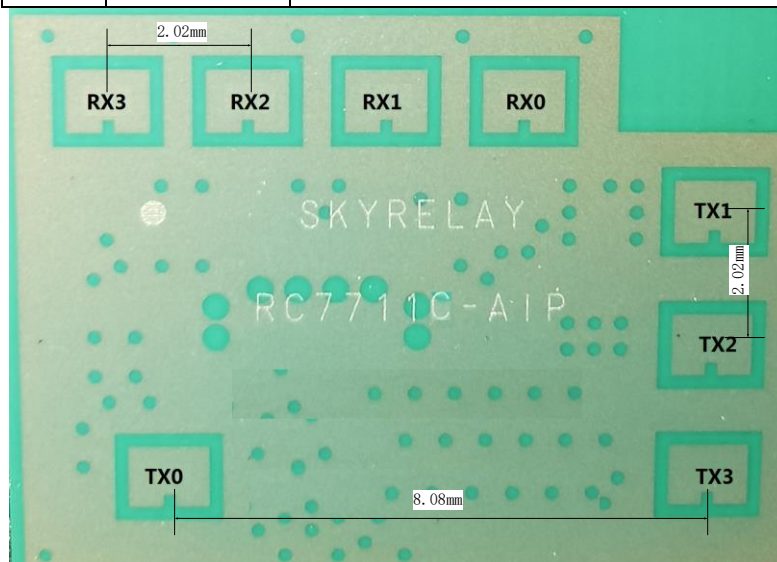


Figure 1 Configuration of RC7711C-AIP

2.TX Antenna Simulation Results



Figure 2 S11 for TX Antennas

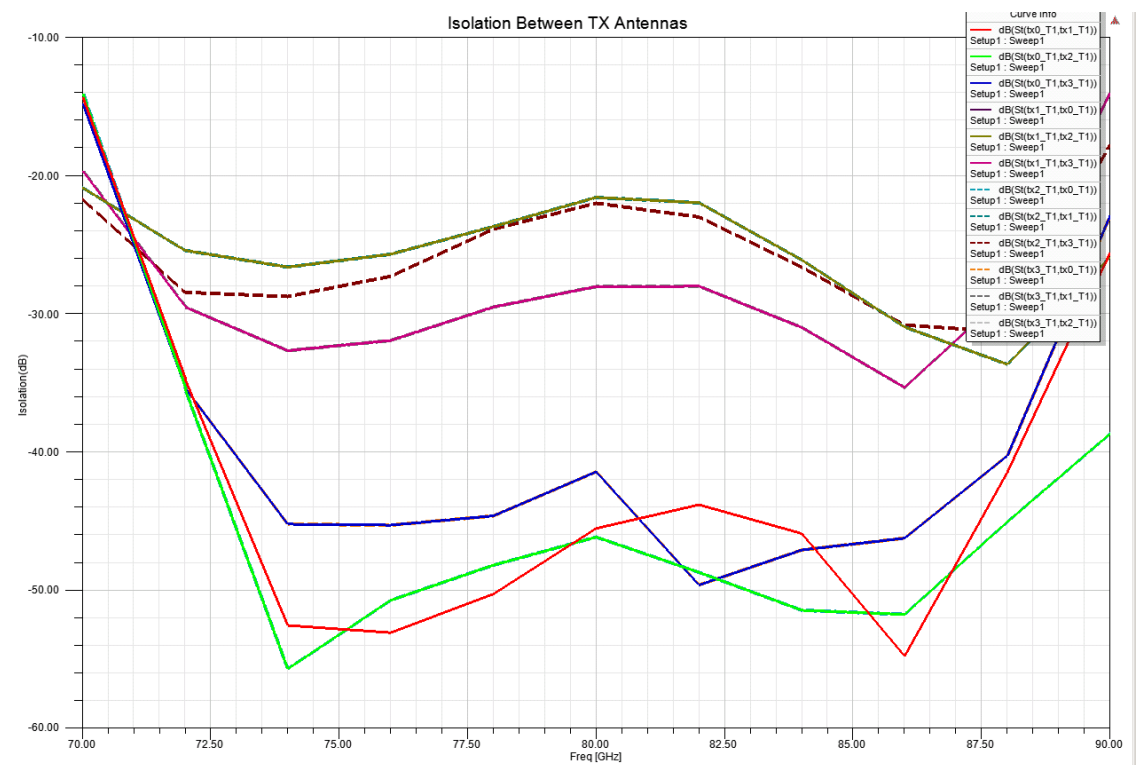
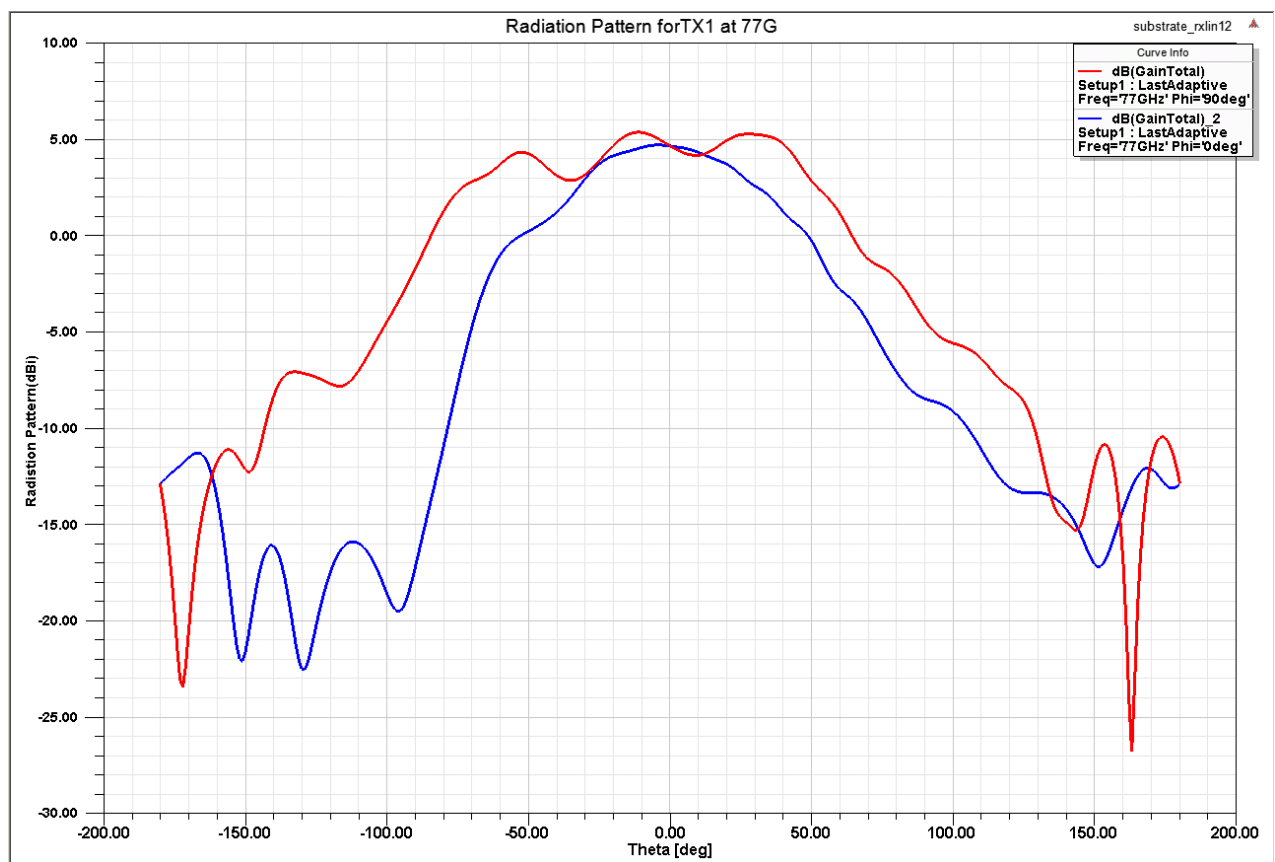
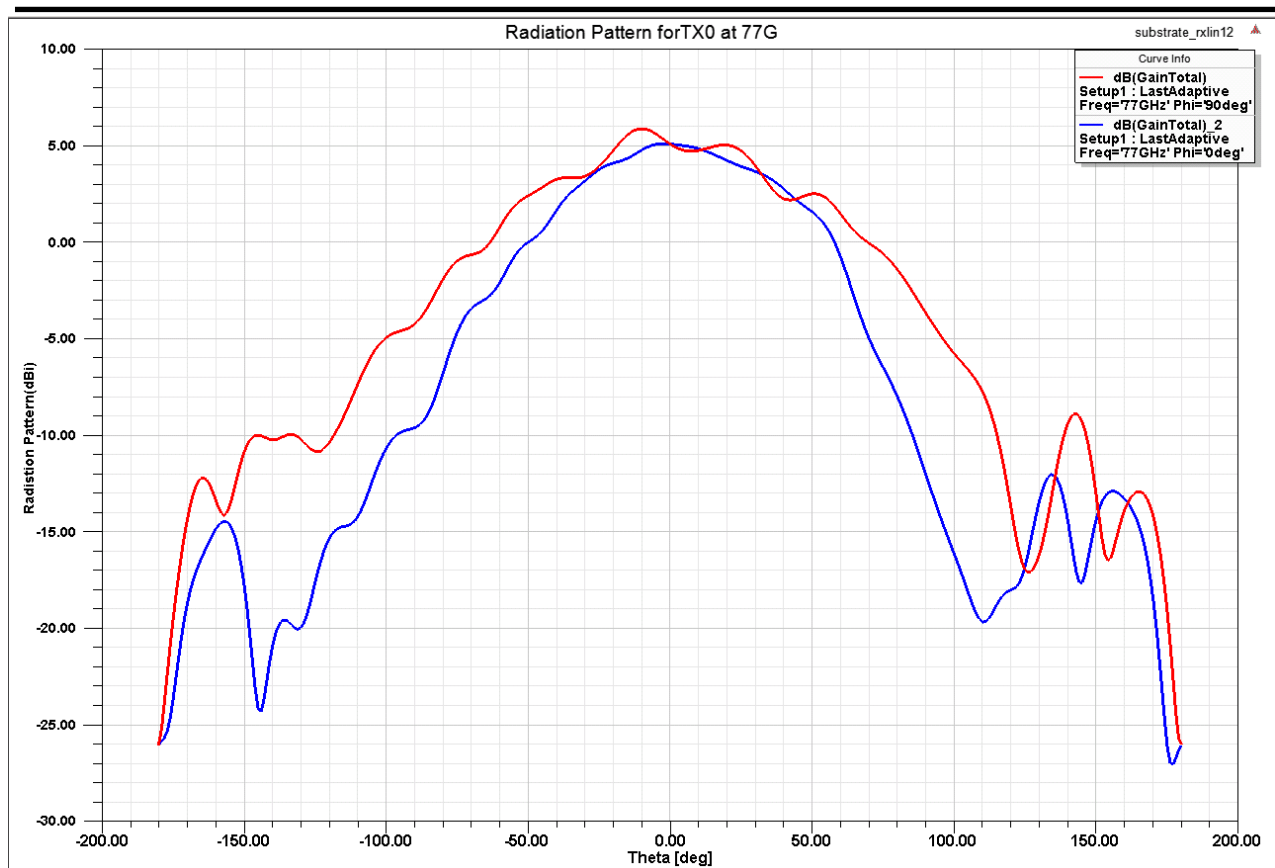


Figure 3 Isolation between TX Antennas



RC7711C-AIP

Radar Transceiver Chip

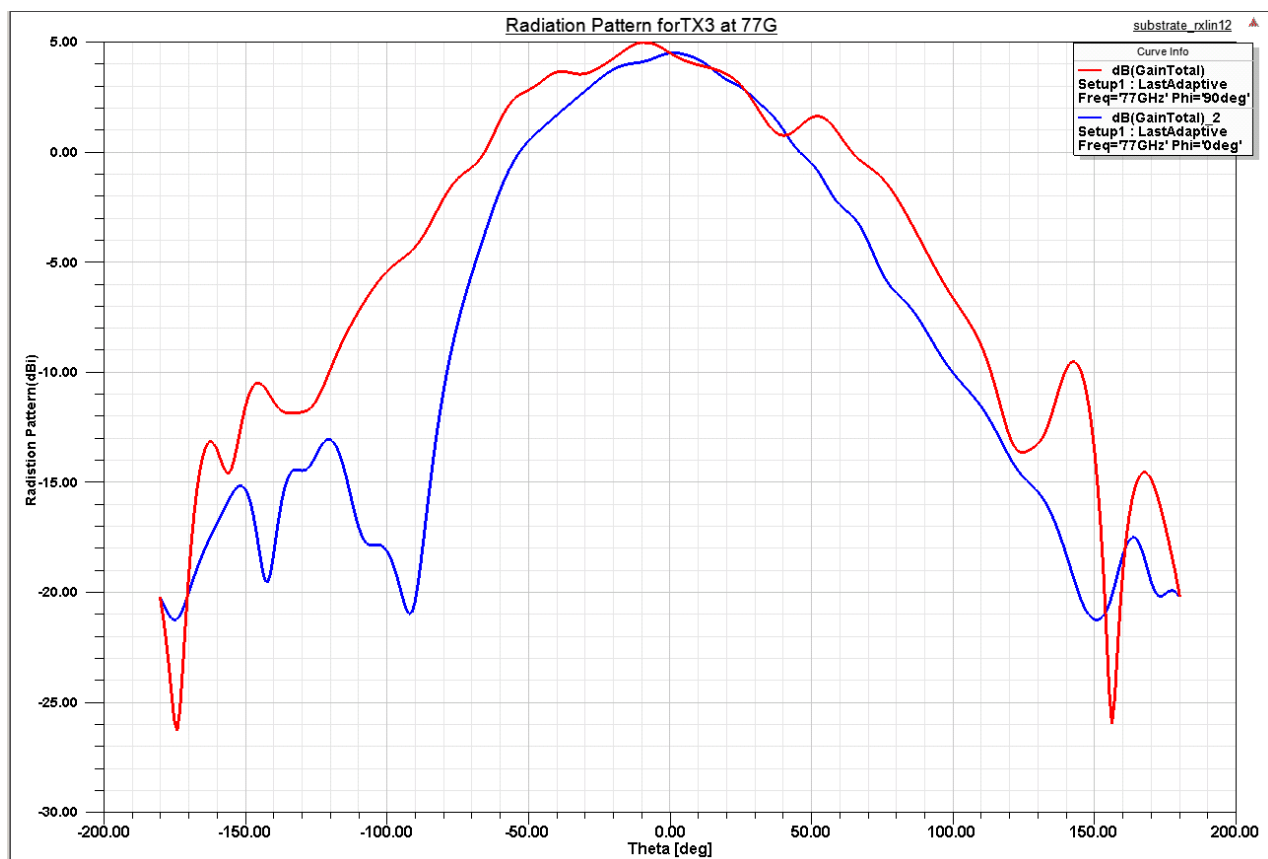
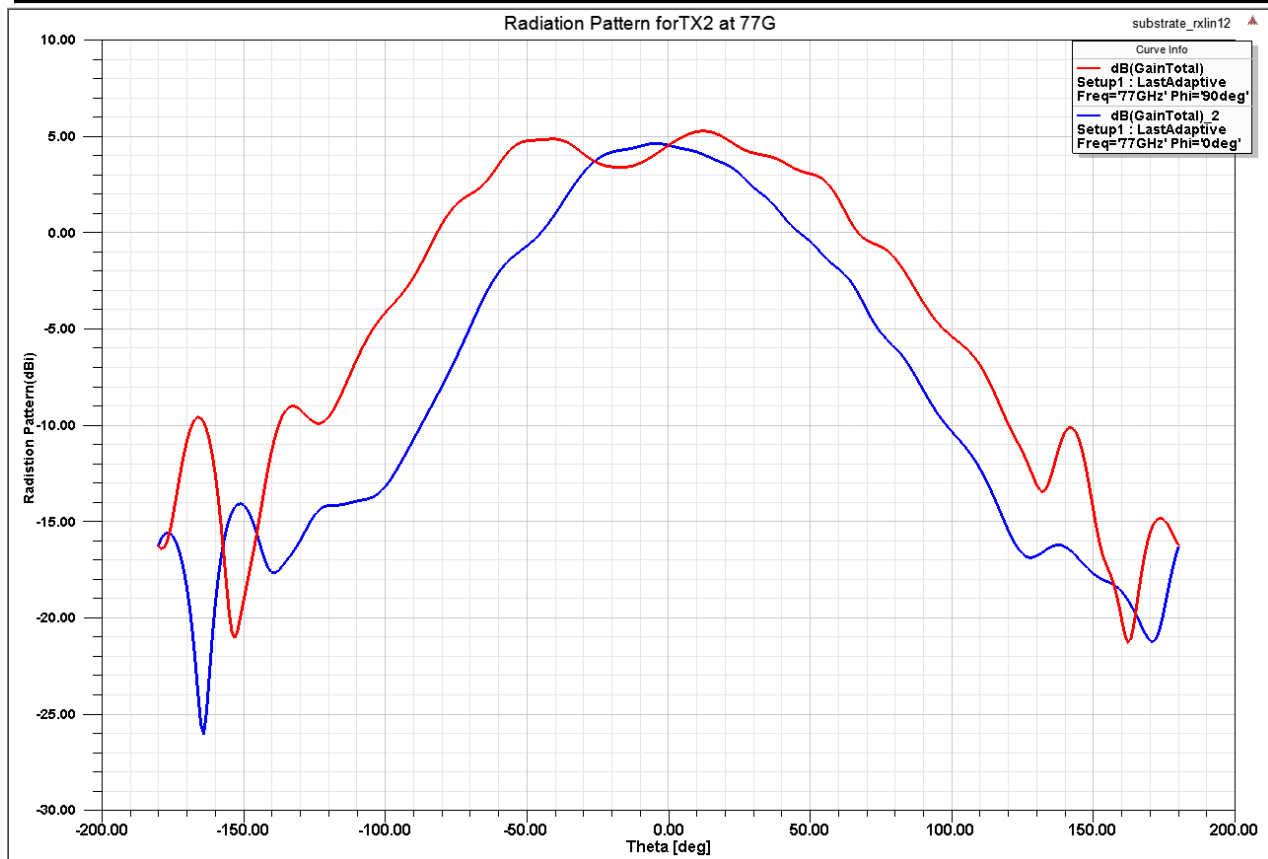


Figure 4 Radiation Pattern for TX Antennas at 77GHz

3.RX Antenna Simulation Results

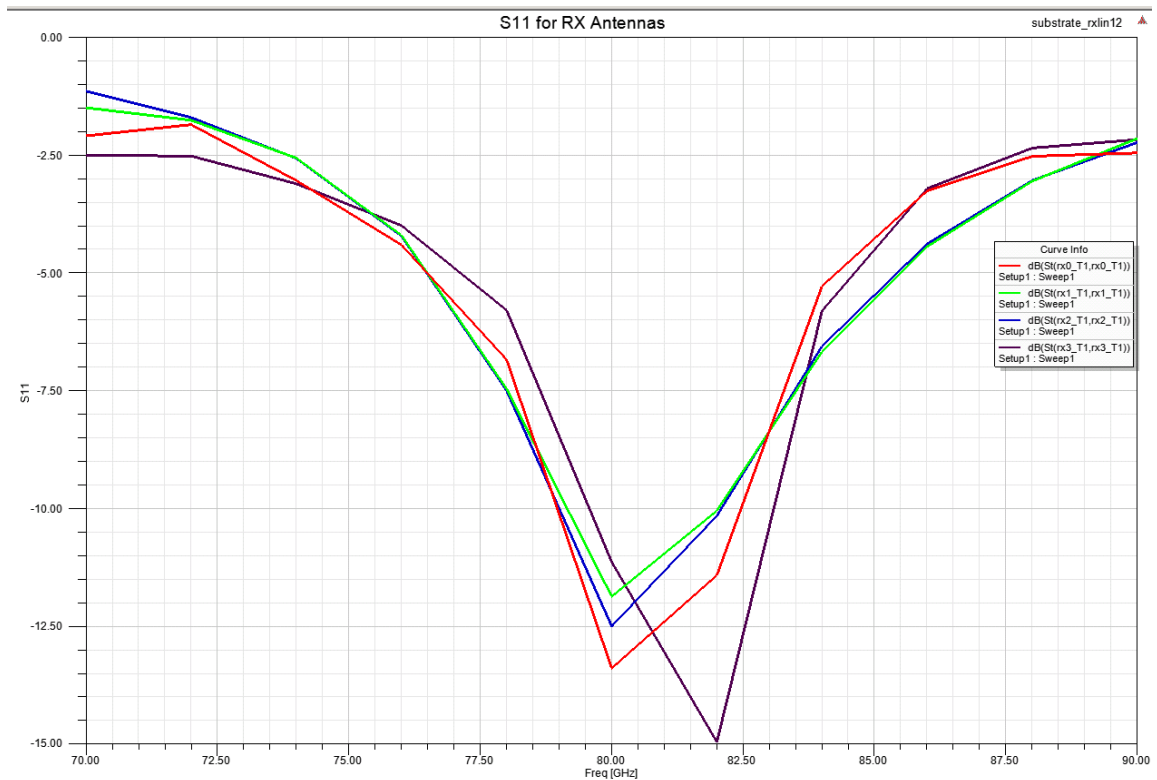


Figure 5 S11 for RX Antennas

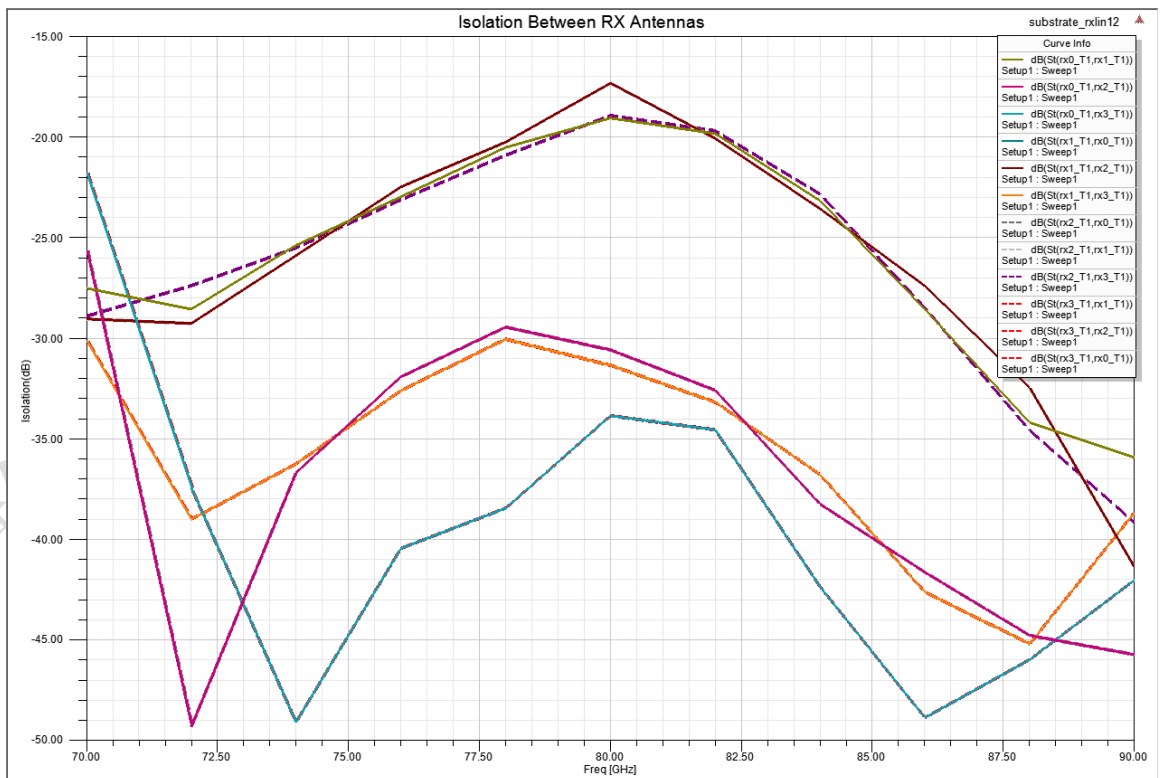
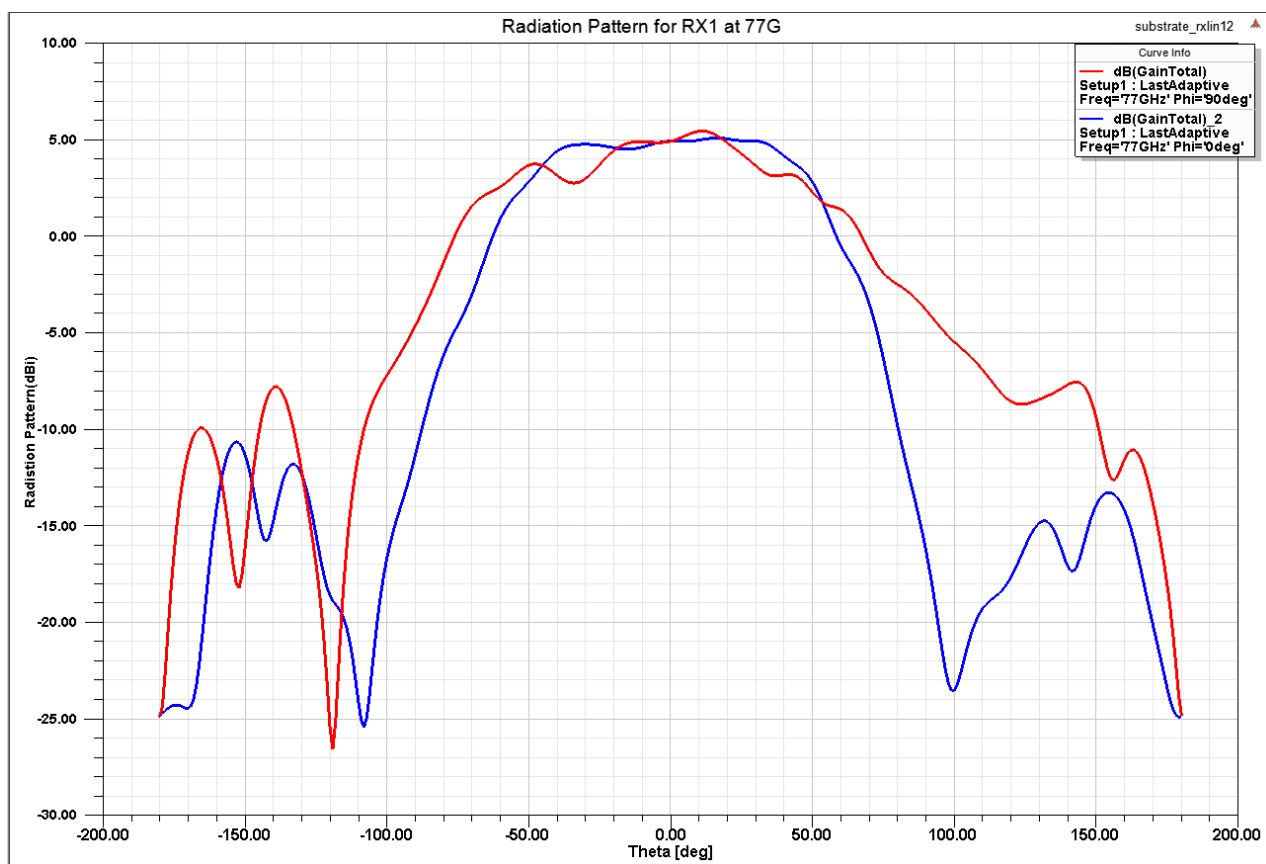
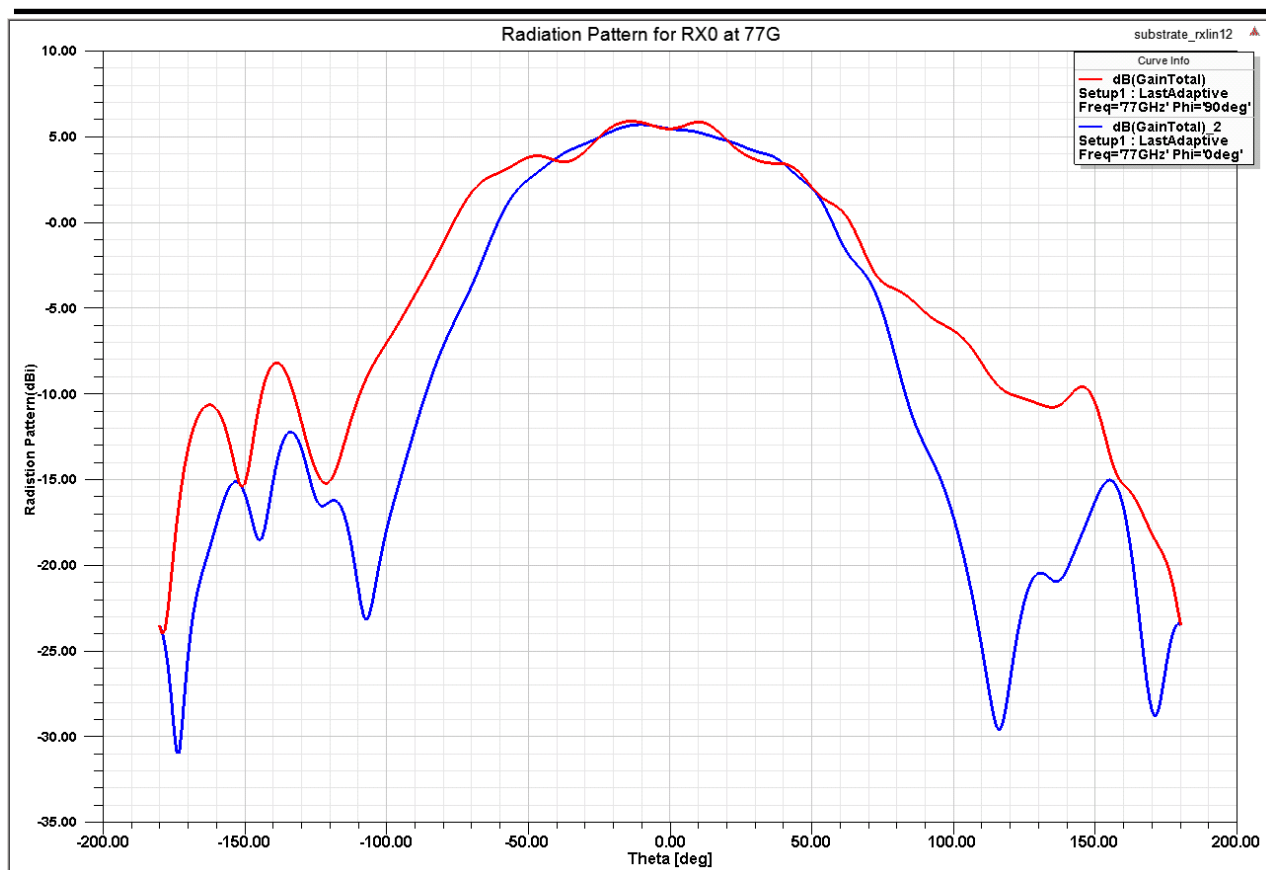


Figure 6 Isolation between RX Antennas



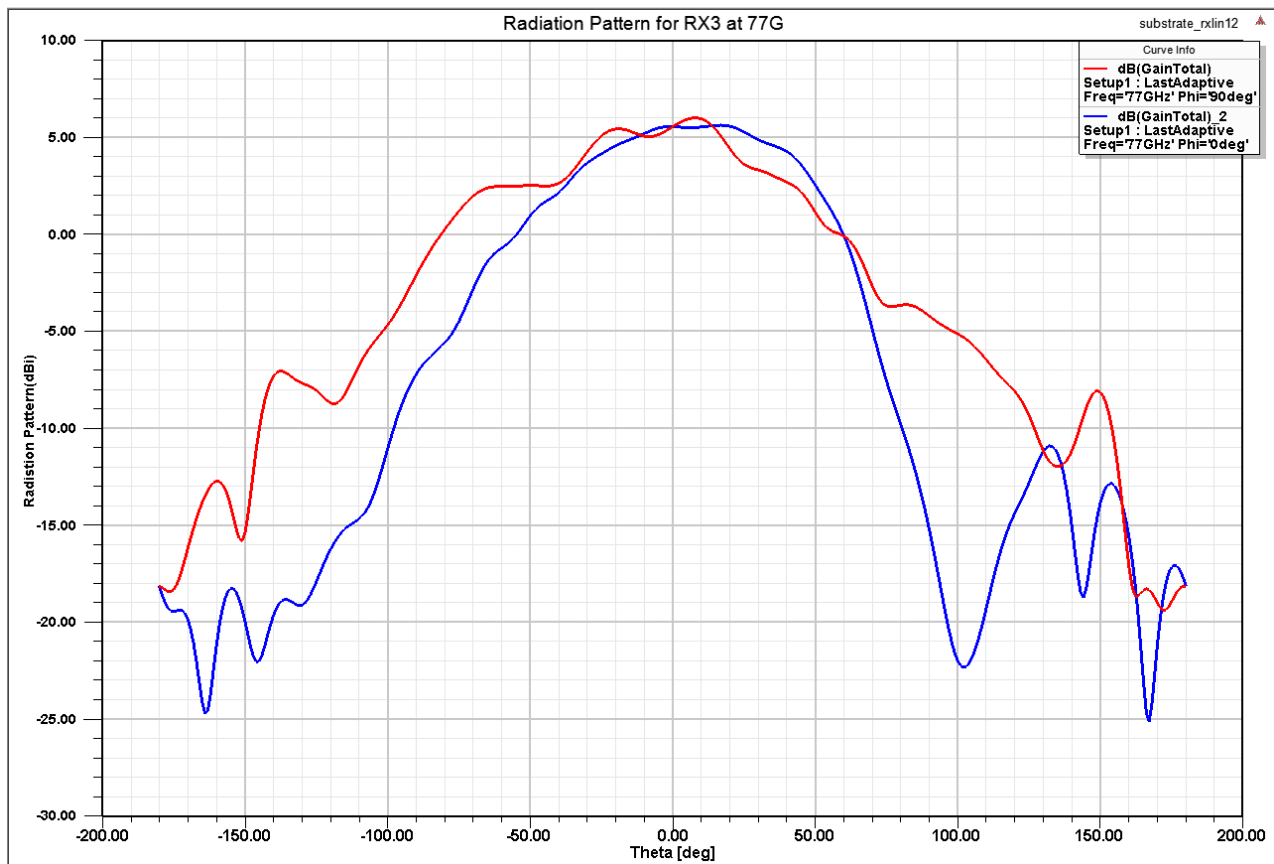
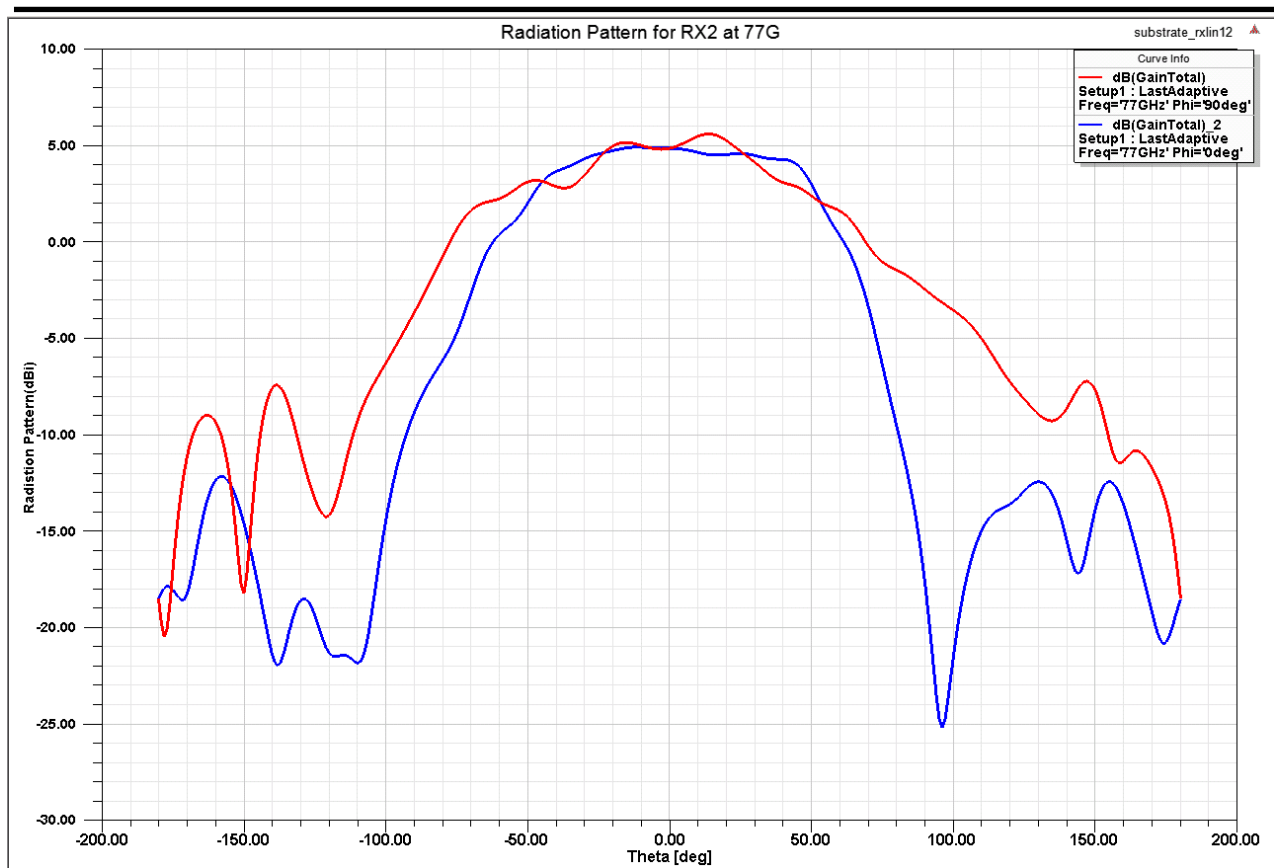


Figure 7 Radiation Pattern for RX Antennas at 77GHz