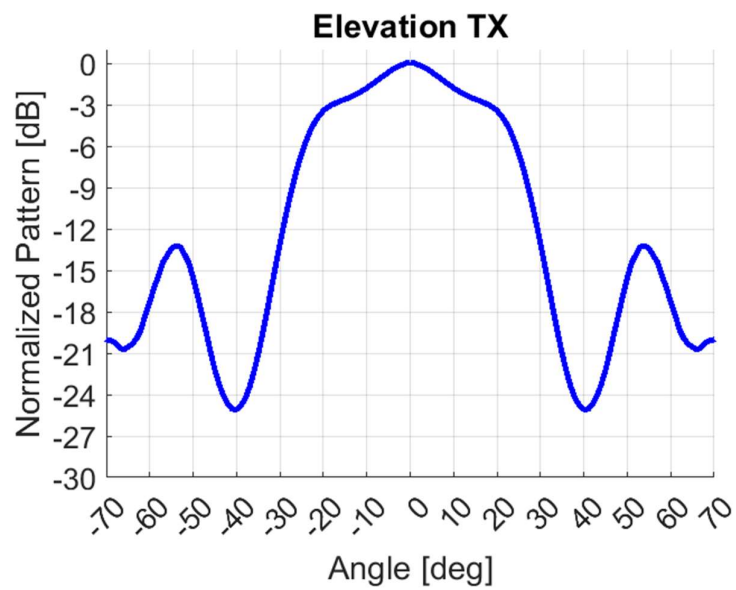
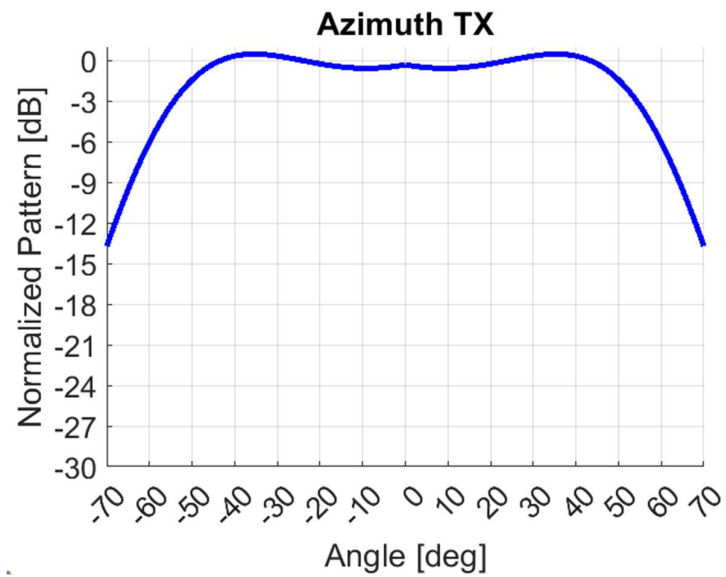


BSR Antenna Specification

Polarization	Horizontal
Antenna type	Patch antenna
Antenna dimensions	Tx: 1.85mm * 7.06mm Rx: 1.85mm * 15.77mm
Number of elements	32 TX * 48 RX
Peak gain TX antenna	9.5 dBi
Peak gain RX antenna	11.5 dBi
XPD	20 dB
Gain flatness	±0.5 dB across 76-81 GHz
Passive/active matching	-15/-10 dB across 76-81 GHz
Coupling between adjacent elements in Tx or Rx	20 dB
Coupling between Tx and Rx	60 dB

	Azimuth	Elevation
3dB FOV Tx	±55°	±20°
3dB FOV Rx	±55°	±10°

Typical TX Antenna patterns



Array Topology

Height: 99mm, width: 117mm

