

Product Name:

The DUT is named M# SRR6PS (FCC ID: L2CSRR6PS / IC: 3432A-SRR6PS)

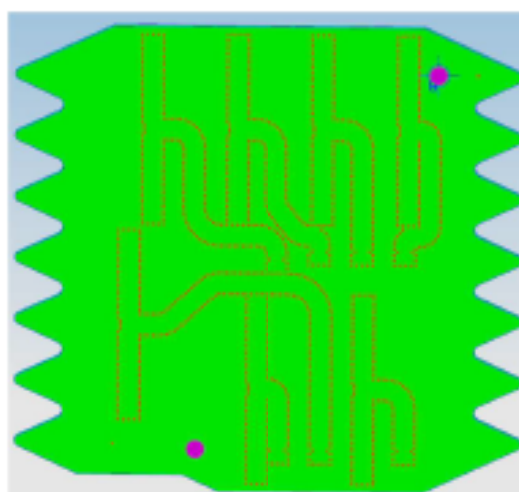
Operational Description:

The Device Under Test (DUT) is a 76 to 77 GHz vehicular radar. The device employs a dynamic chirp modulated transmit array. Multiple receive antennas are used to determine target angular resolution through digital beam forming. When installed on a vehicle, the device will operate when the vehicle is running. The nominal operating voltage is 12.0 VDC.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

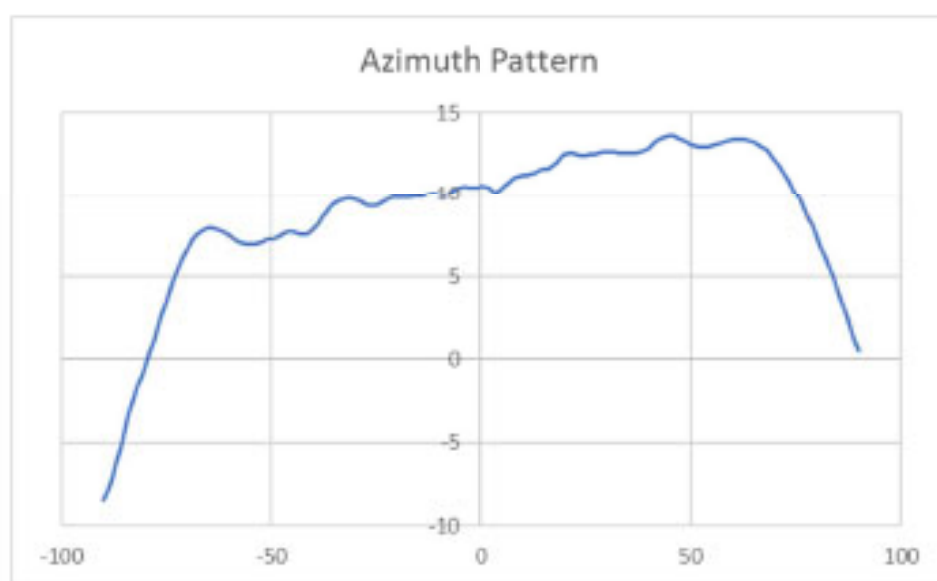
Antenna Operation

Frequency	76-77 GHz
Type of Emission	Electromagnetic Emission
Number of Arrays	3TX / 4RX
Antenna Gain	12.8dBi TX / 10.7dBi RX
Polarization	Horizontal
Bandwidth	725 MHz
Range	0.5 to 250 m
Range Rate	-100m/s to +30m/s
FOV	+/- 75 deg
Update Rate	50 msec
Range Accuracy	+/- 0.05 m
Range Rate Accuracy	+/- 0.03 m/s
Azimuth Accuracy	+/- 0.5 deg
Azimuth Beamwidth	150 deg
Elevation Beamwidth	12 deg
Target Disc. (Separation)	
Range	0.4 m
Range Rate (Doppler)	0.13 m/s



Antenna for 28793337 - M# SRR6PS

TX Azimuth Pattern Cut:



28793337 - M# SRR6PS: Simulated pattern