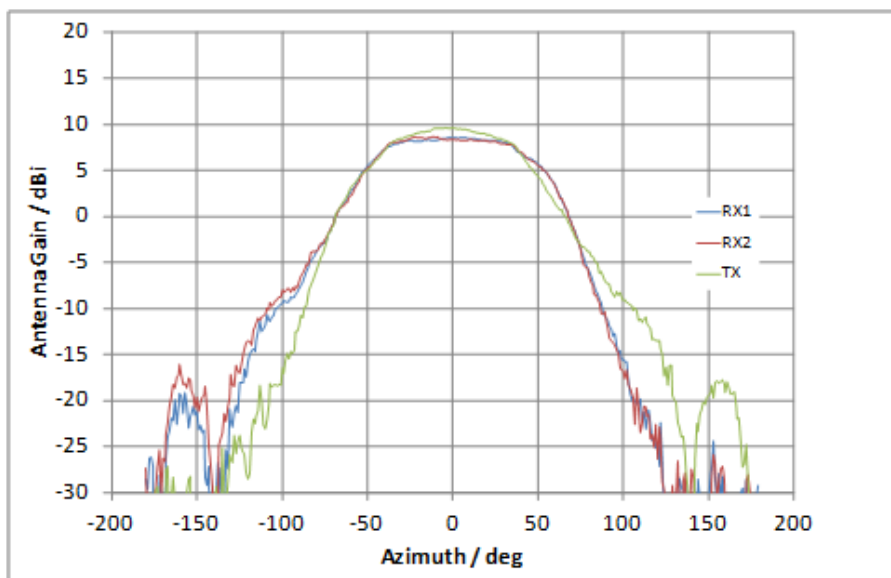
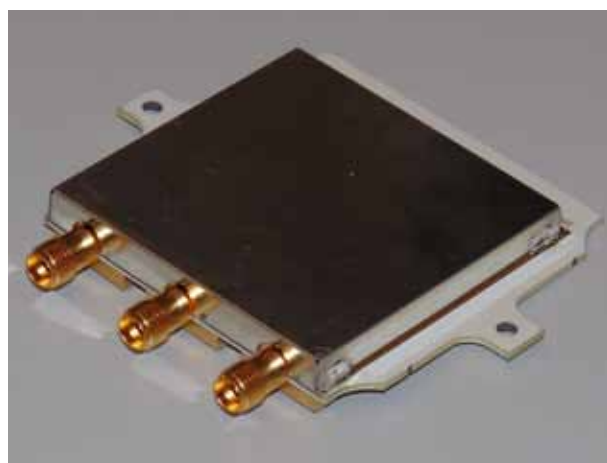
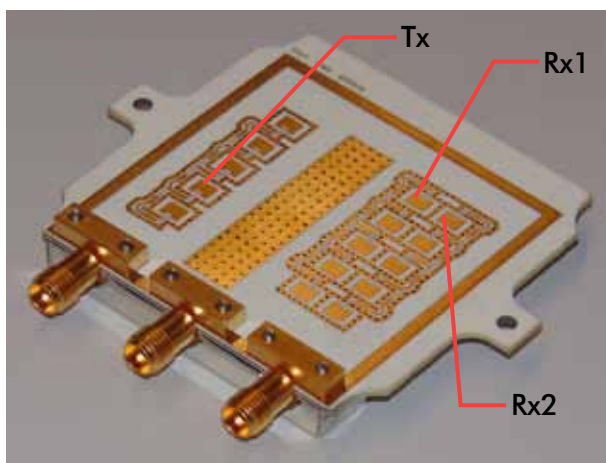


A-SR-1032 PATCH ANTENNA FOR 24 GHZ RADAR APPLICATIONS

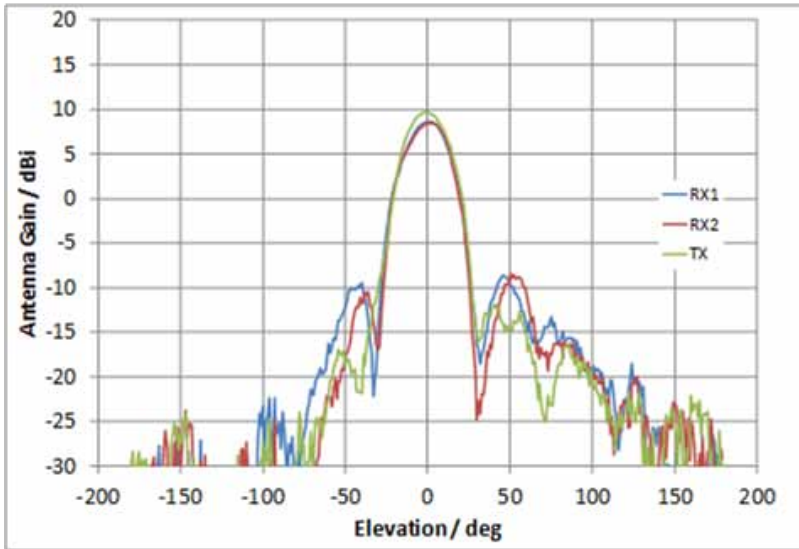
A-sR-1032 is a patch antenna with one transmit and two receive antennas on a multilayer PCB. The antenna feeding network is on the backside of the PCB covered by a shielding cap. The antenna has three coaxial connectors of RPC-2.92 type.

Technical Parameters:

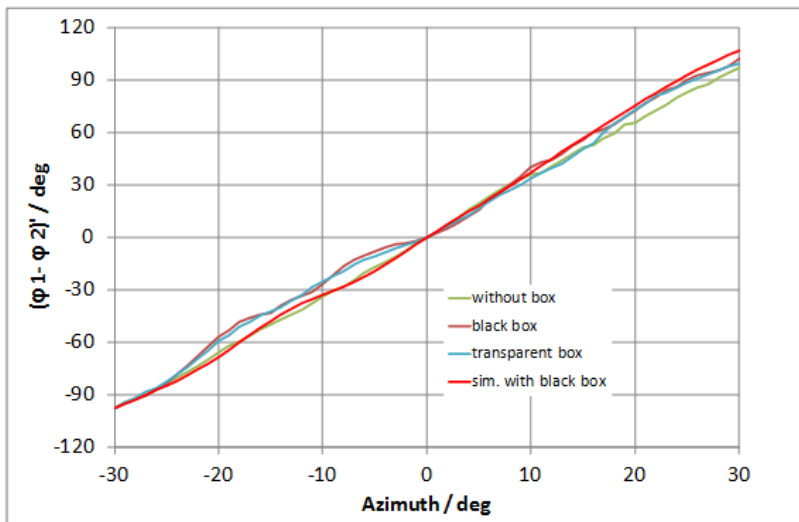
3-dB antenna characteristics and antenna gain
 Rx1: 110 deg Azimuth, 23 deg Elevation, 9 dBi gain
 Rx2: 110 deg Azimuth, 23 deg Elevation, 9 dBi gain
 Tx: 90 deg Azimuth, 25 deg Elevation, 10 dBi gain



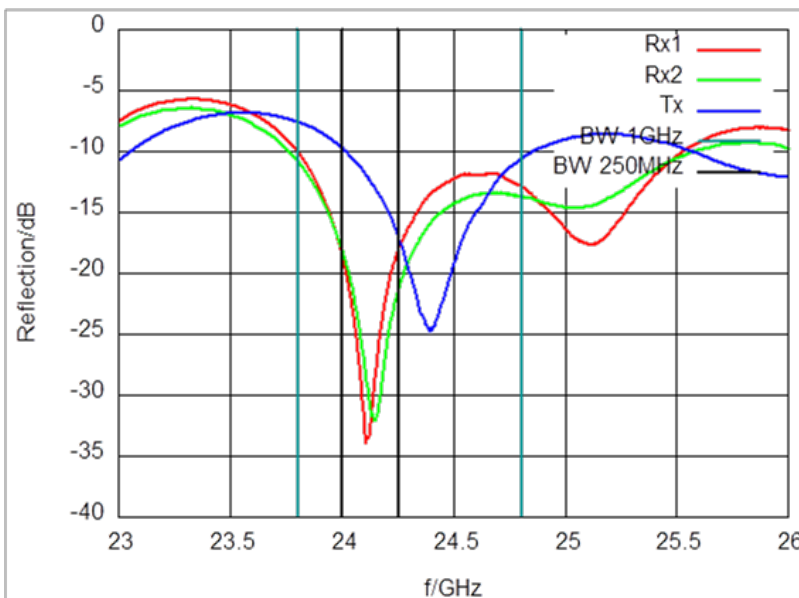
Antenna Gain (w/o Housing),
 f= 24.125GHz, 0° Elevation



Antenna Gain (w/o Housing),
f = 24.125GHz, 0° Azimuth

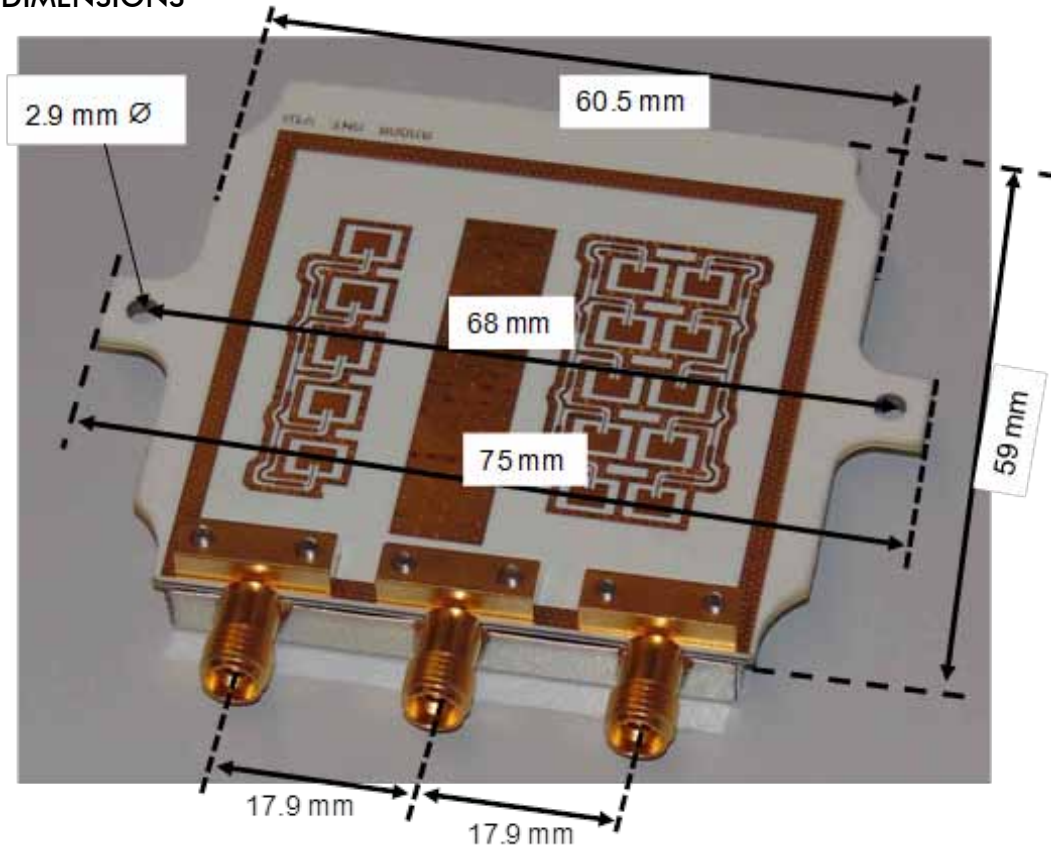


Phase-Difference between Rx1
and Rx2 (f = 24.125 GHz,
Elevation = 0°)



Antenna Return Loss w/o Housing,
Reference: K-Connectors

DIMENSIONS



24 GHz FMCW RADAR APPLICATIONS:

A-sR-1032 connected to sR-1030



sR-1200 with integrated patch antenna



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