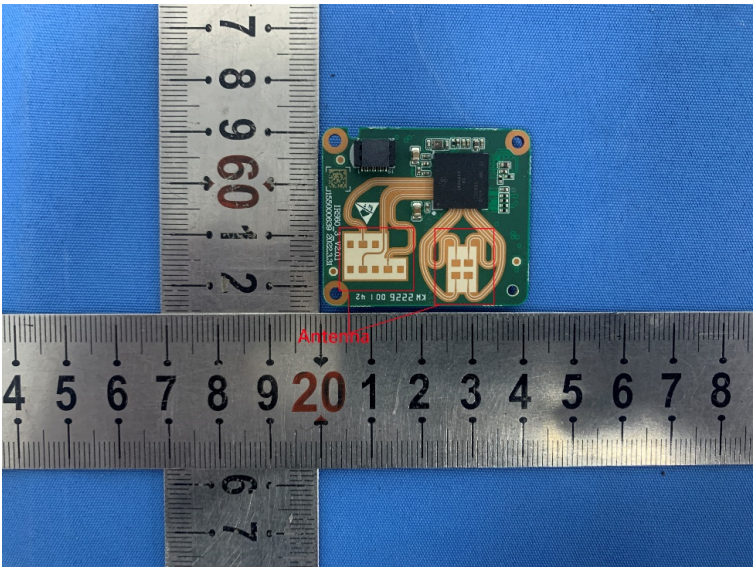


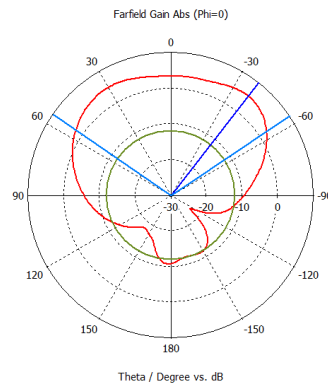
1 Technical Parameters

Design Specification	Typical	unitis
Form	Integrated Patch Antenna	
Frequency	60-64	GHz
Gain	6	dBi
Antenna Efficiency	80	%
VSWR	1.11	
Polarization	vertical polarization	
Radiation pattern	broad beam	
Impedance	50	ohm
Power handing	-42	dBm
Overall dimensions	1.6mm*1.315mm	
Operation Temp	-40-70	°C
Storing Temp	-40-70	°C



2 Antenna simulation pattern

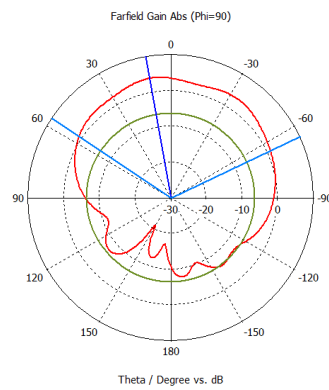
2.1 Aimuth



— farfield (f=62) [3]

Frequency = 62
Main lobe magnitude = 5.19 dB
Main lobe direction = -38.0 deg.
Angular width (3 dB) = 112.0 deg.
Side lobe level = -17.2 dB

2.2 Pitching



— farfield (f=62) [3]

Frequency = 62
Main lobe magnitude = 3.81 dB
Main lobe direction = 10.0 deg.
Angular width (3 dB) = 121.1 deg.
Side lobe level = -10.2 dB