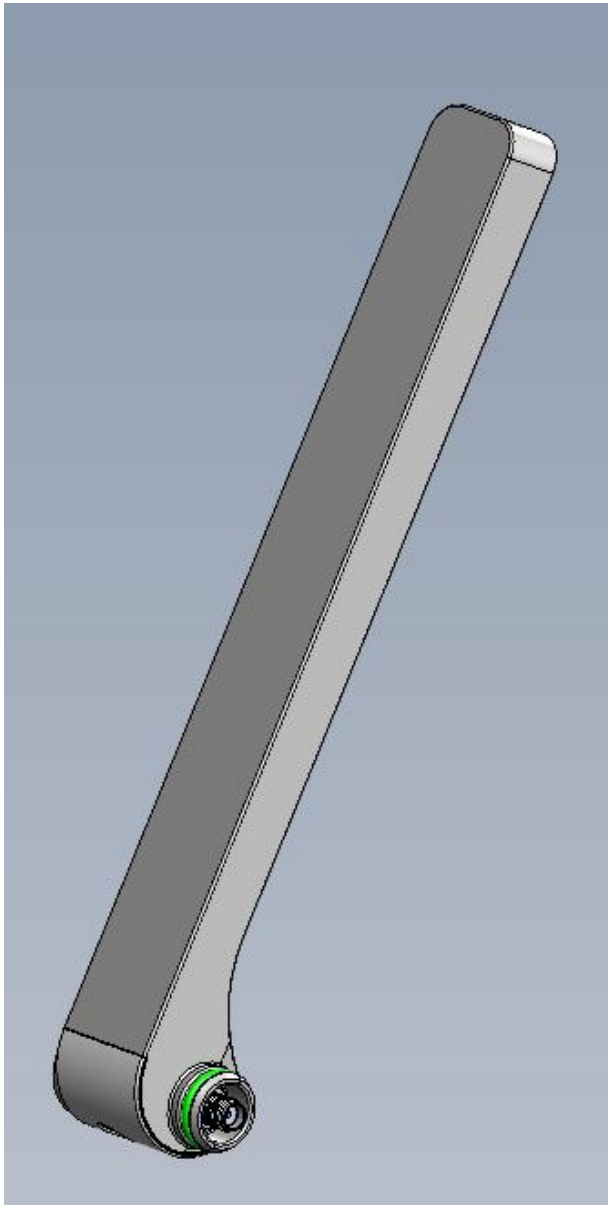


Model number: AS0001-ANT-2

Manufacturer: SolarEdge

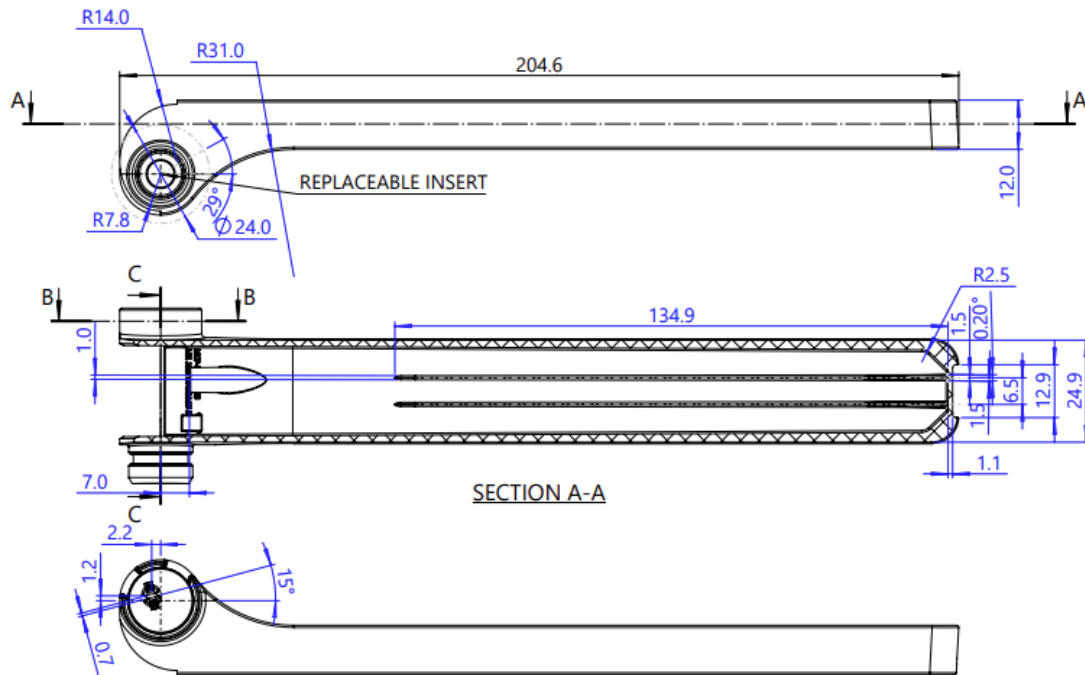
SE PN: D2224AC

Dual Band Dipole Antenna

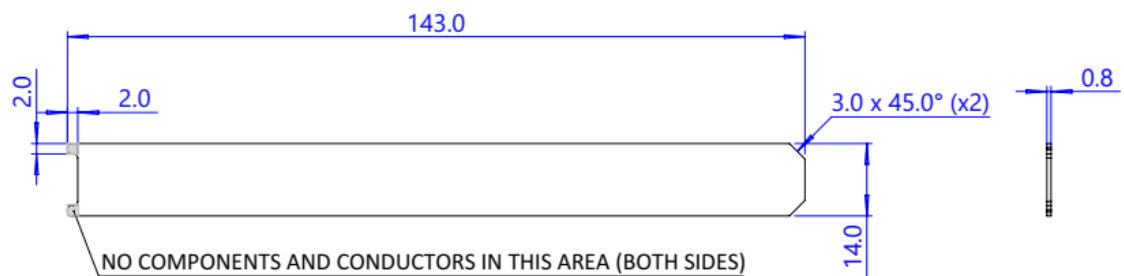


Rev	Editor	Date	change
0.1	Uri.Itzack	28/07/2024	Initial Document
0.2	Ofir.W	31/12/2024	Update mechanical drawing, radiation pattern and VSWR

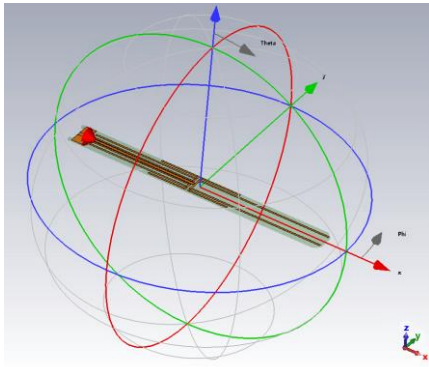
Electrical	
Frequency Range	860~930MHz & 2400~2500MHz
V.S.W.R	<2
Antenna Type	Dipole
Radiation	Omni Directional
Gain (Max)	3dBi
Polarization	Vertical
Max Input Power	3W
Vertical Beam- width	120°
Horizontal Beam- width	360°
Impedance	50 Ohm
Antenna Type	Dipole
Internal Material	PCB
Cable	RG316
Connector	RP SMA
Mechanical	
Length [mm]	143
Width [mm]	14
Antenna Weight	50gr
Cable length (Max)	700 cm
Application	Indoor\Outdoor
Storage temperature	-40C ~ 105C
Operating Temperature	-40C ~ 105C
Storage Humidity	Non-Condensing 90%~5%
Operating Humidity	Non-Condensing 90%~10%
Base Material	PC Lexan 503R-GY8G141
IP Rating	IP67
Antenna Type	Dipole



PCB Mechanical Drawing

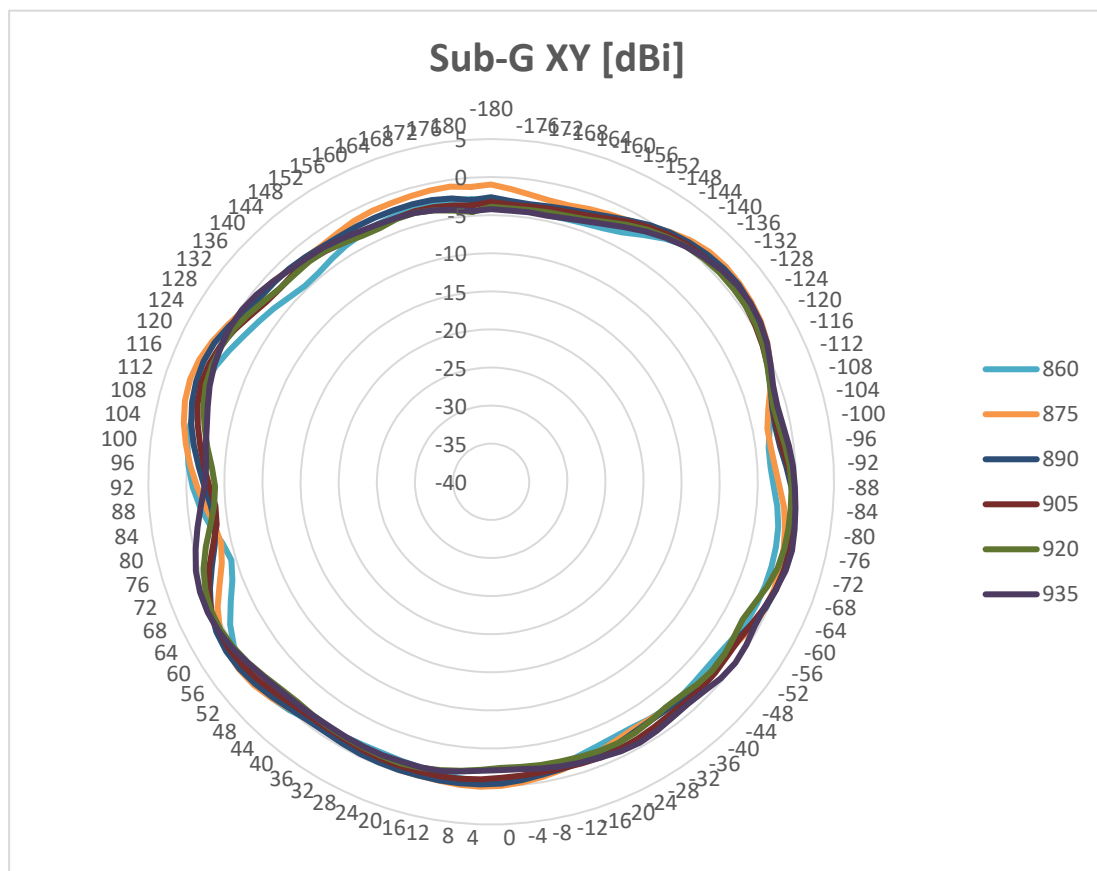


Radiation Pattern

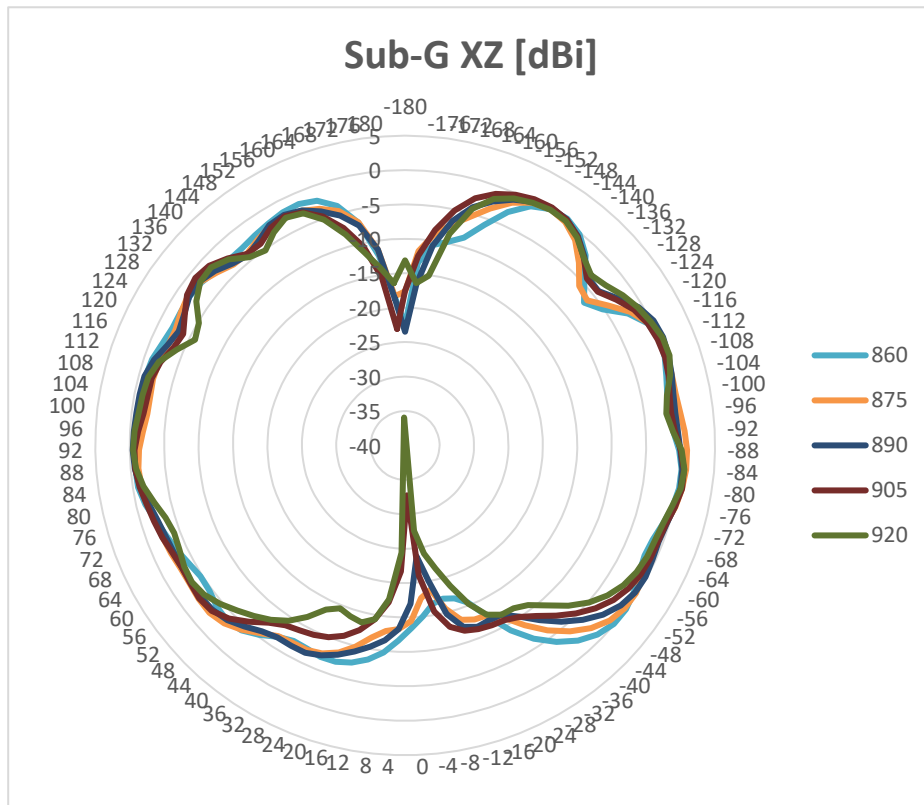


2D cuts – 900MHz Band

XY

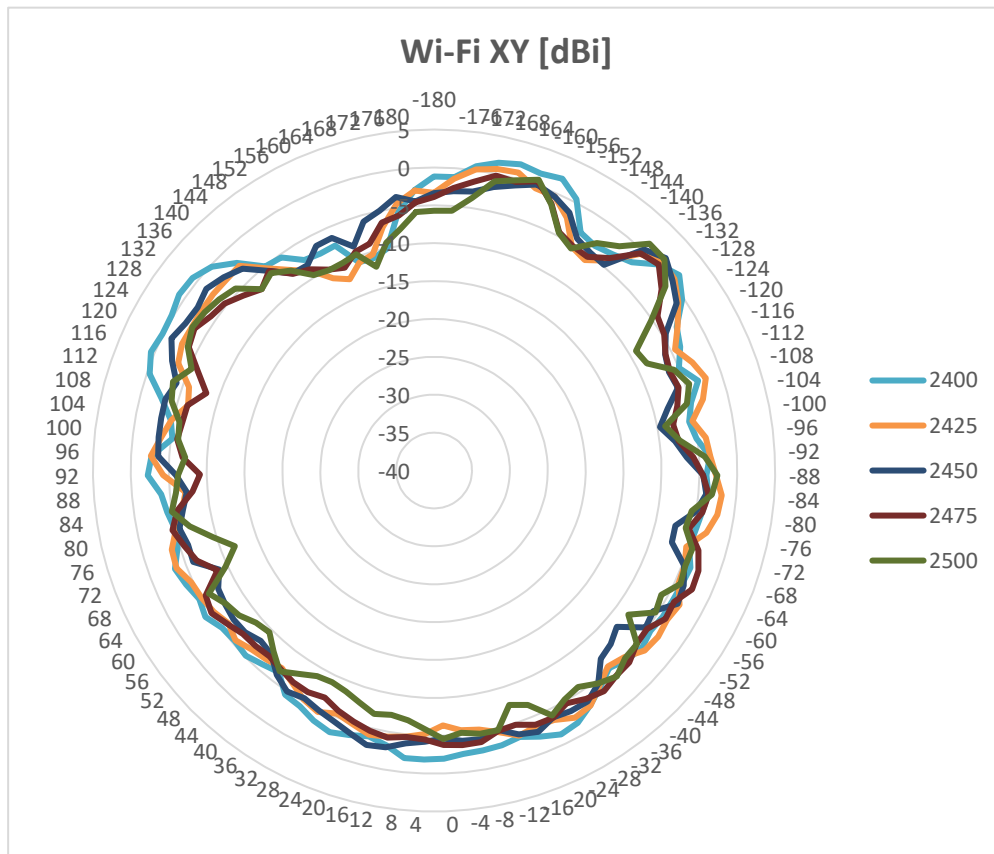


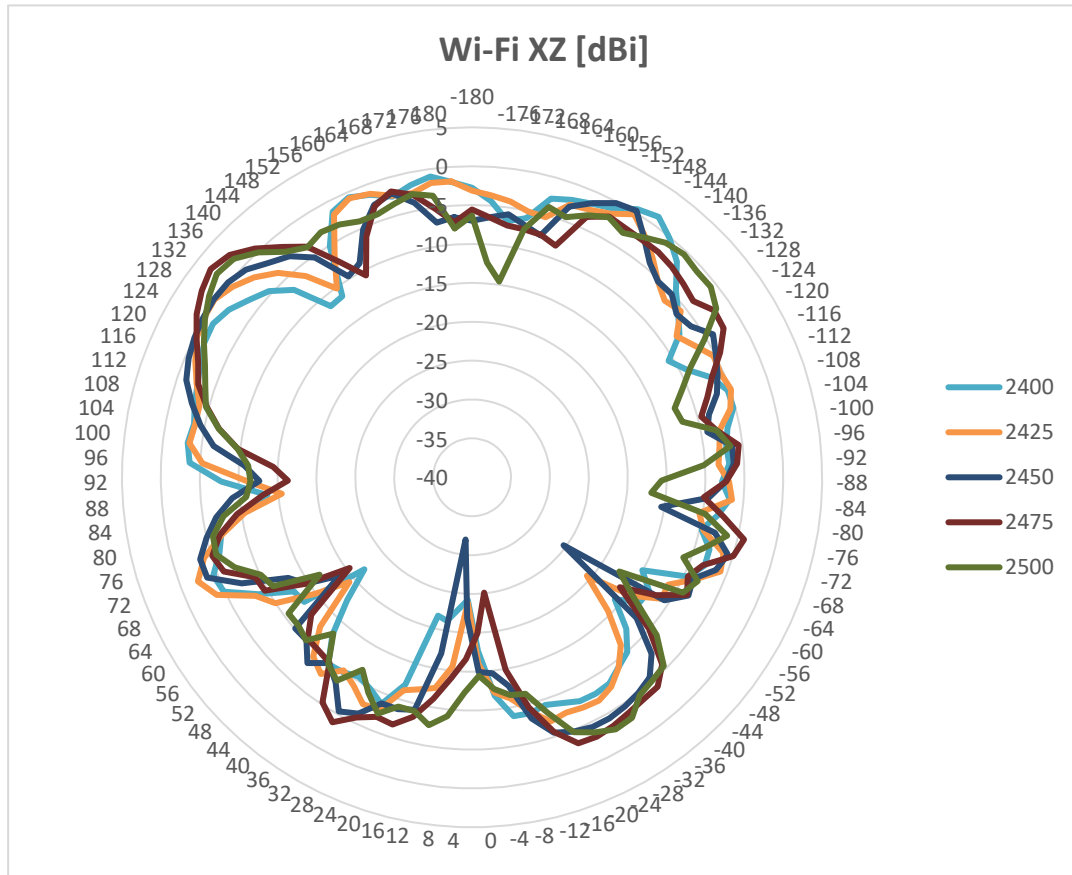
XZ



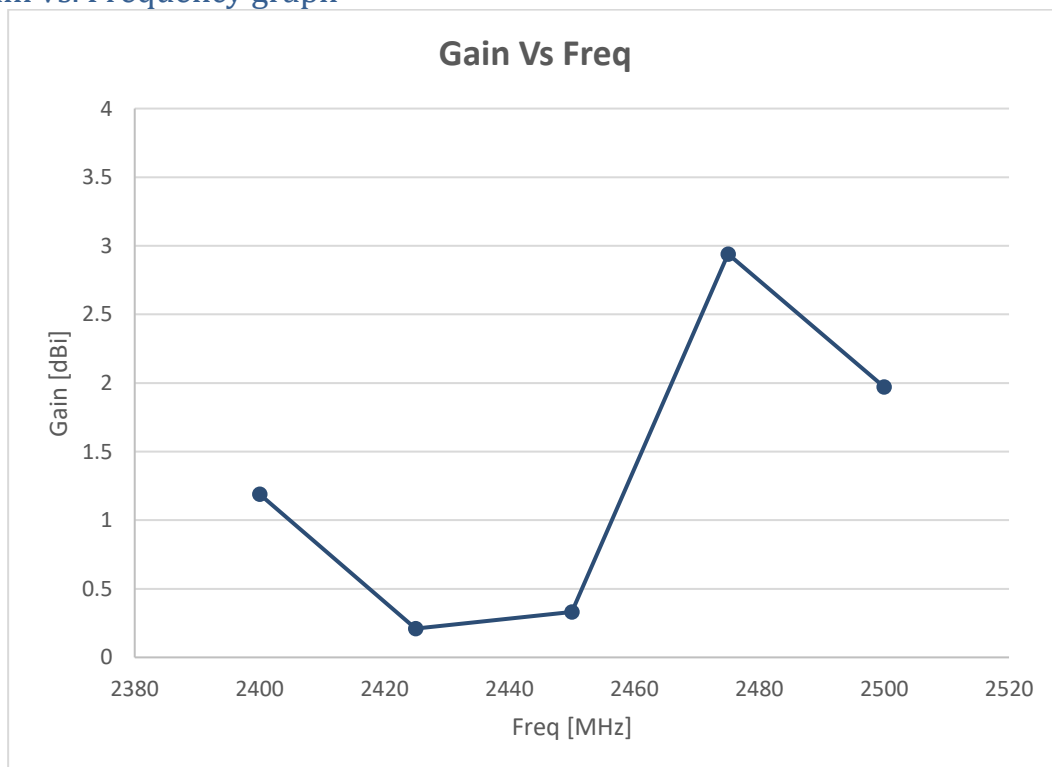
2D cuts – 2400MHz Band

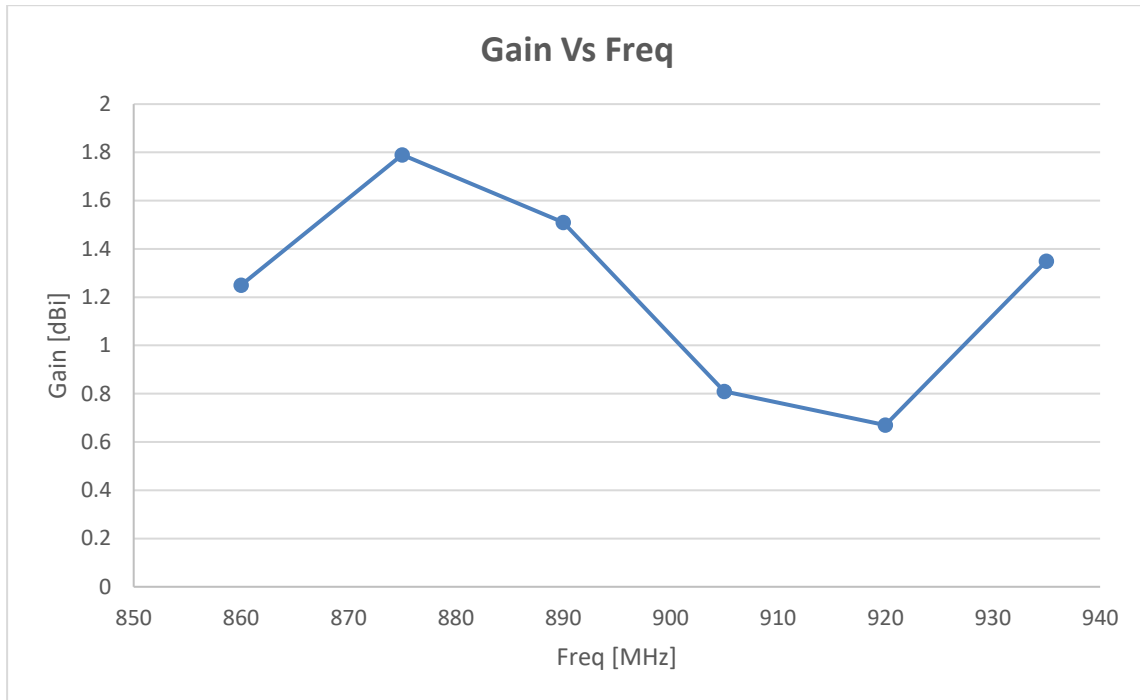
XY





Gain vs. Frequency graph





VSWR

