

Model number: AS4038-1

Manufacturer: SolarEdge

SE PN: D2143AC

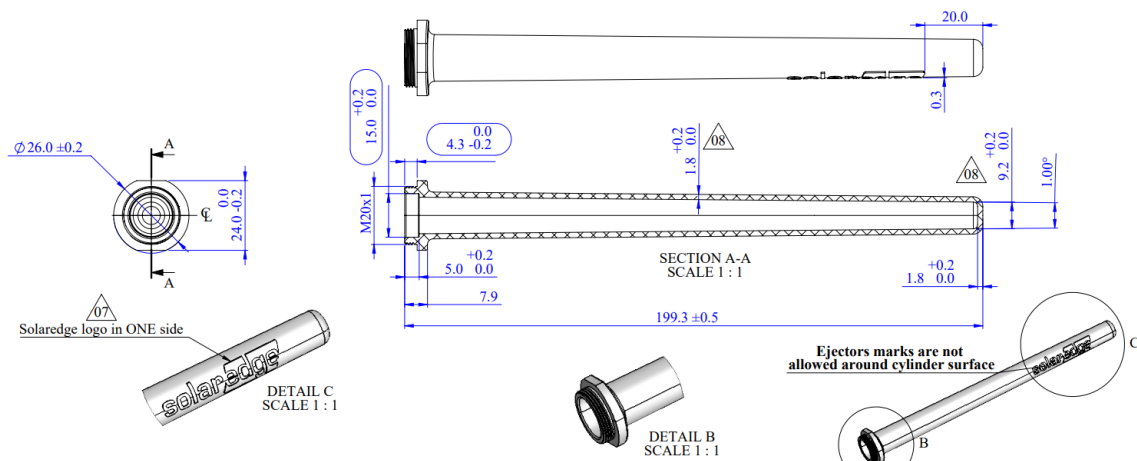
860-930MHz Dipole Antenna – External Antenna



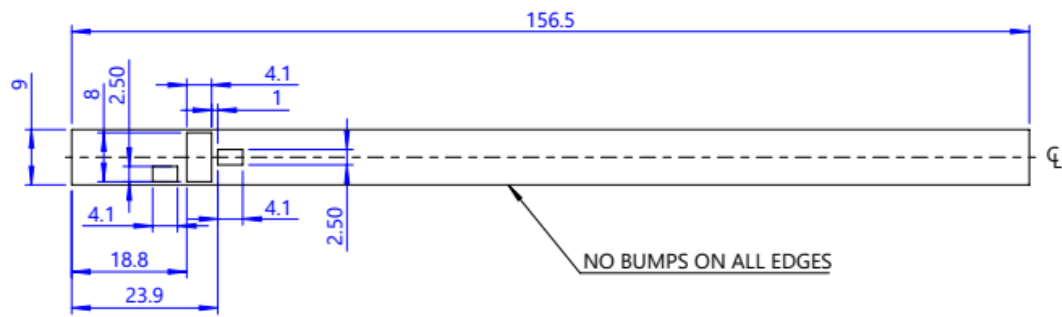
Rev	Editor	Date	change
0.1	Uri.Itzack	13/12/2023	Initial Document
0.2	Uri.Itzack	13/12/2023	Update graphs
0.3	Uri.Itzack	26/06/2024	Updated footer

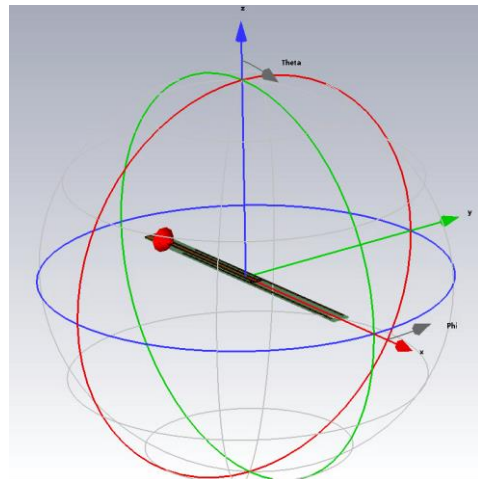
Electrical	
Frequency Range	860~930MHz
V.S.W.R	<2
Antenna Type	Dipole
Radiation	Omni Directional
Gain (Max)	2dBi
Polarization	Vertical
Max Input Power	3W
Vertical Beam- width	60°
Horizontal Beam- width	360°
Impedance	50 Ohm
Antenna Type	Dipole
Internal Material	PCB
Cable	RG316
Connector	RP SMA
Mechanical	
Length [mm]	200
Width [mm]	20
Antenna Weight	~50gr
Cable length (Max)	180cm
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-WH5151L or WH8G952 Sabic
IP Rating	IP67
Antenna Type	Dipole

6 of 3 Page Mechanical Drawing

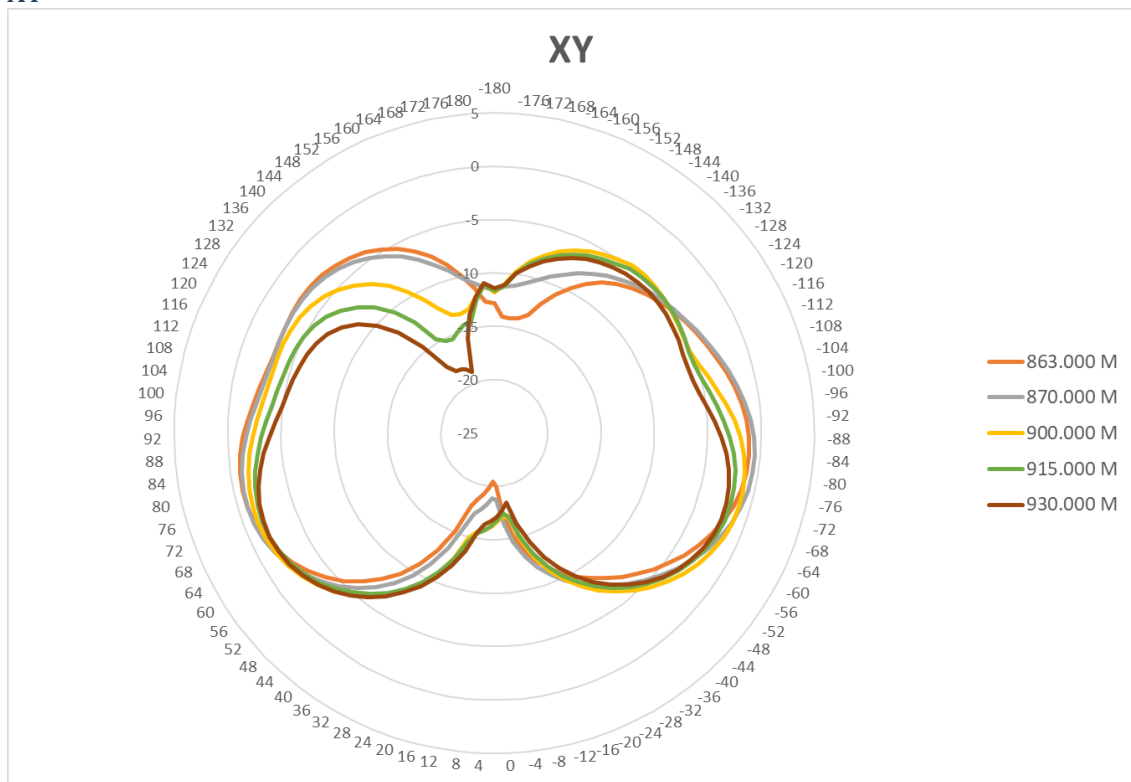


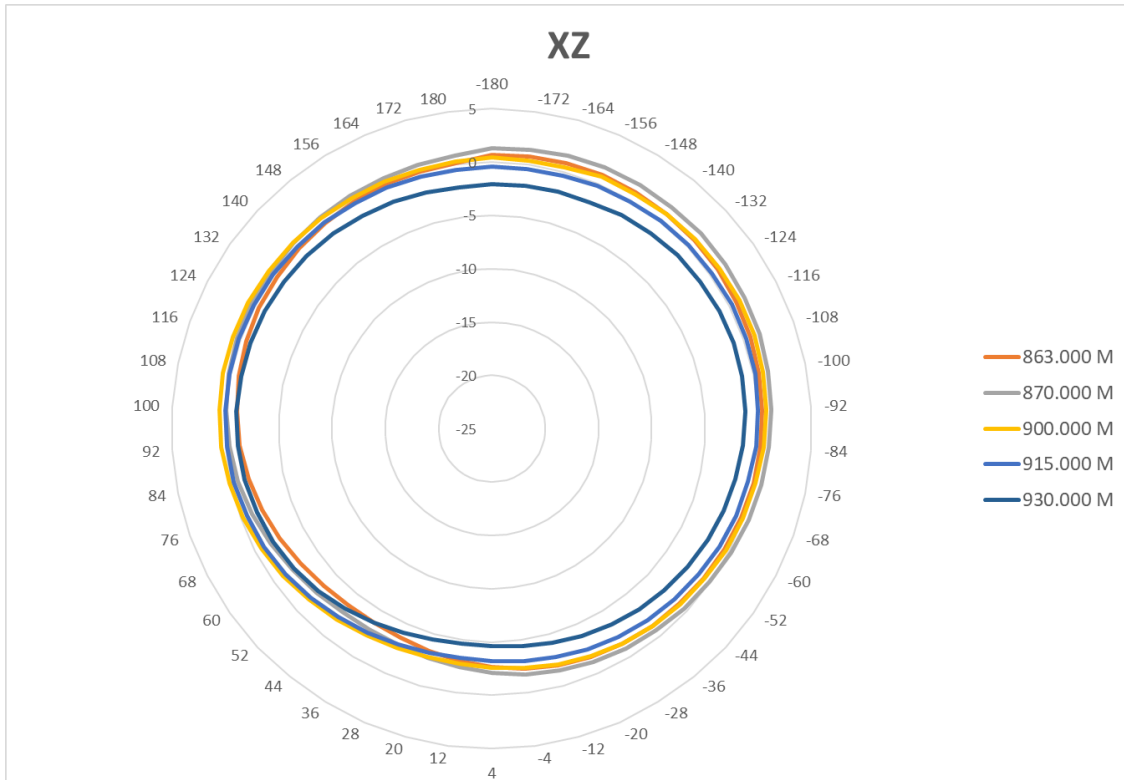
PCB Mechanical Drawing



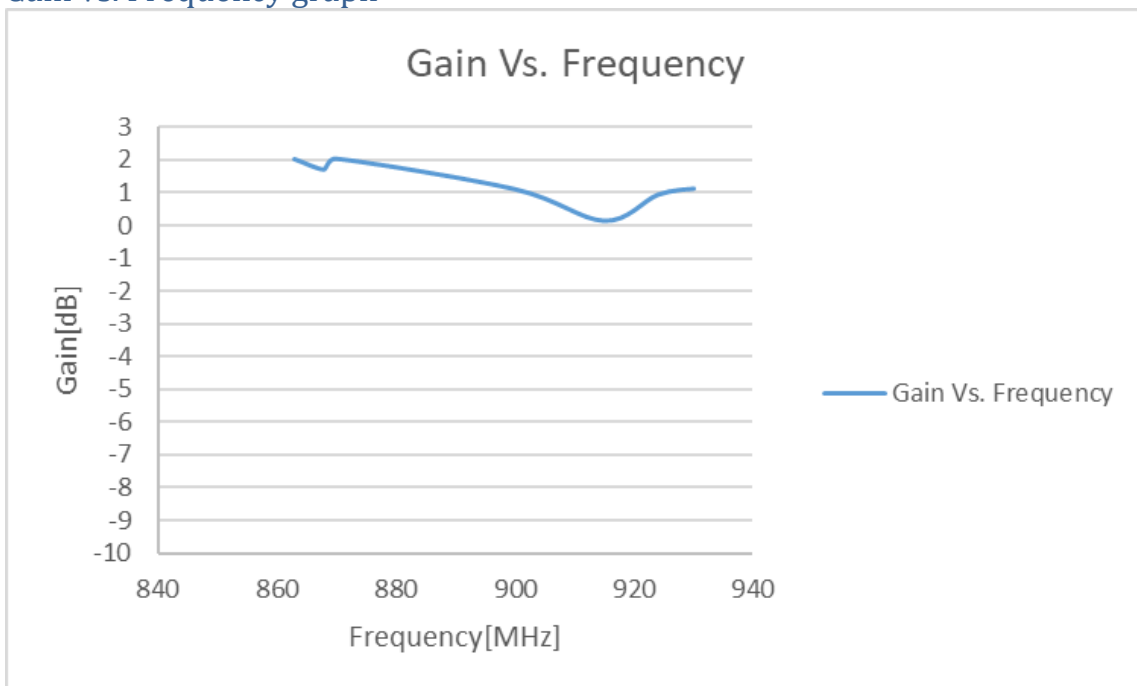


2D cuts
XY





Gain vs. Frequency graph



VSWR

