

Model number: AS4035-1

Manufacturer: SolarEdge

SE PN: AP1756B-AN-03

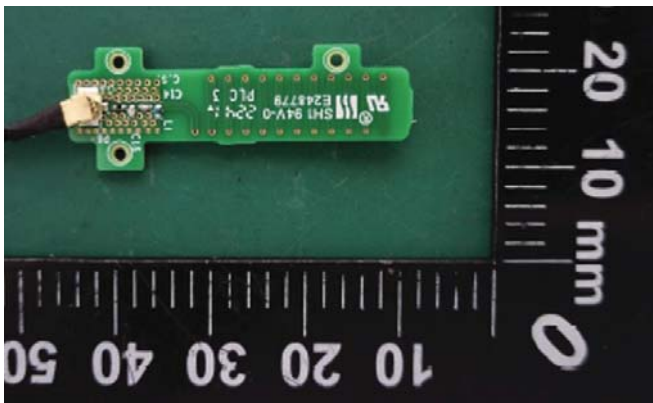
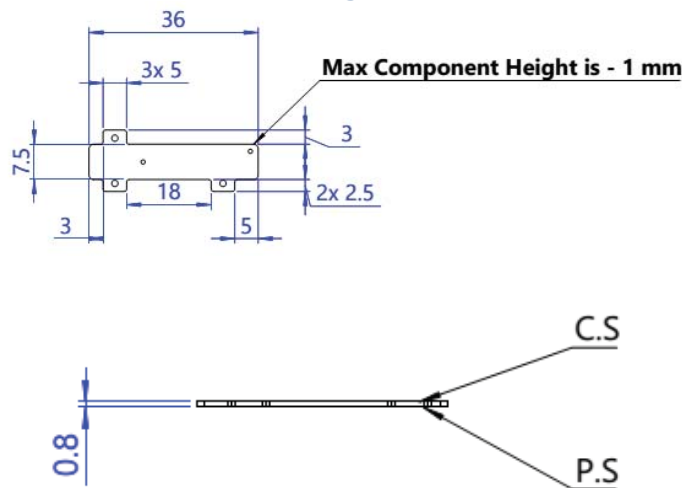
860-930MHz PCB Antenna – Internal Antenna

Rev	Editor	Date	change
0.1	Uri.Itzack	21/08/2022	Initial Document
0.2	Amit.Ovadia	2022/10/31	New matching network
0.3	Uri.Itzack	26/06/2024	Update parameters Update footer

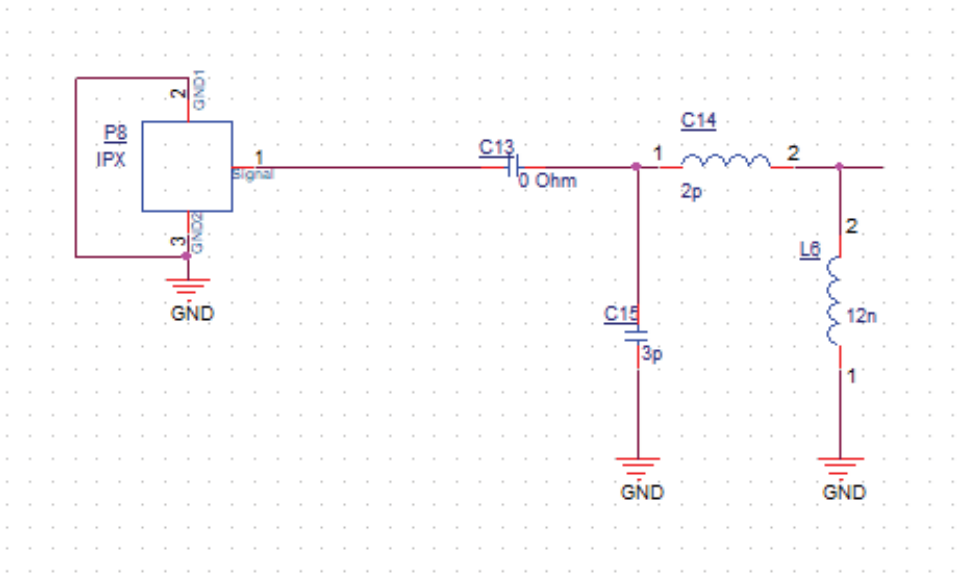
Specification – AP1756A-AN-03

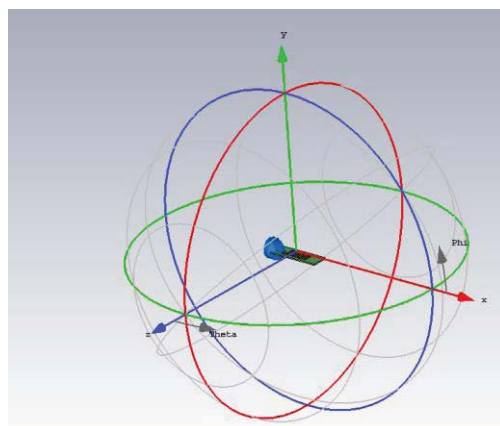
Electrical	
Frequency Rang	MHz 930 – 860
V.S.W.R	3>
Antenna Type	PCB
Radiation	Omni Directional
Gain (Max)	0dBi
Polarization	Vertical
Max Input Power	3W
Vertical Beam- width	60°
Horizontal Beam- width	360°
Impedance	Ohm 50
Antenna design	monopole
Internal Material	Copper
Connector	U.FL (I.PEX connector)
Mechanical	
Length [mm]	41
Width [mm]	11.5
Antenna Weight	20g~
Application	Indoor
Storage temperature	to +80C 40-
Operating Temperature	to +70C 40-
Storage Humidity	Non-Condensing 90%~5%
Operating Humidity	Non-Condensing 90%~10%
Frequency Range	930 - 860
V.S.W.R	3>
Antenna Type	PCB

Mechanical Drawing

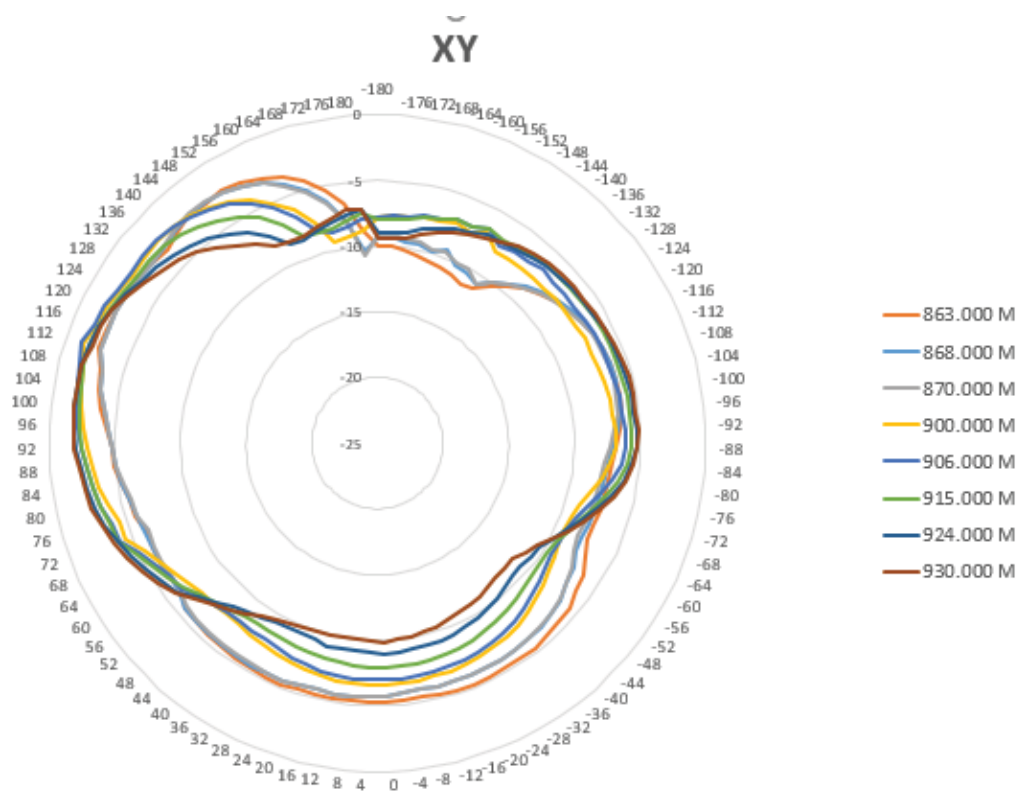


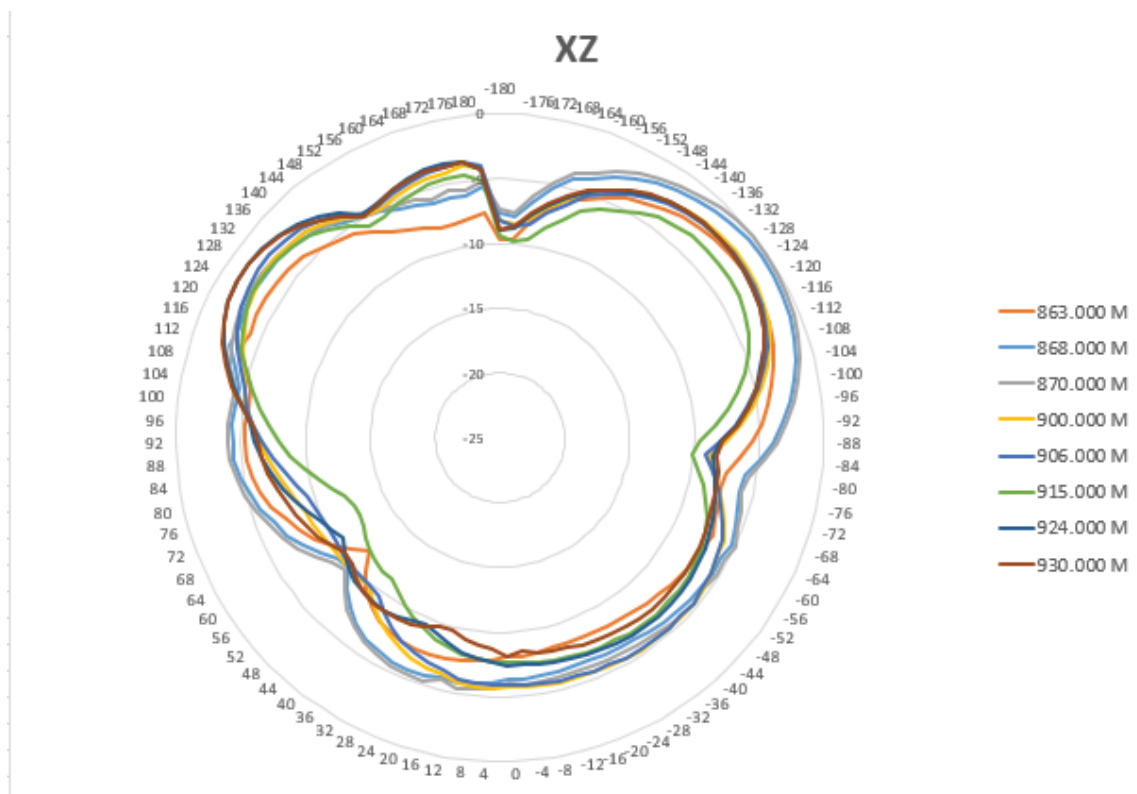
Schematic





2D cuts
XY





YZ

