SUNNYWAY

SWE032

PN: SW20035EB56



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1. Electrical Specifications

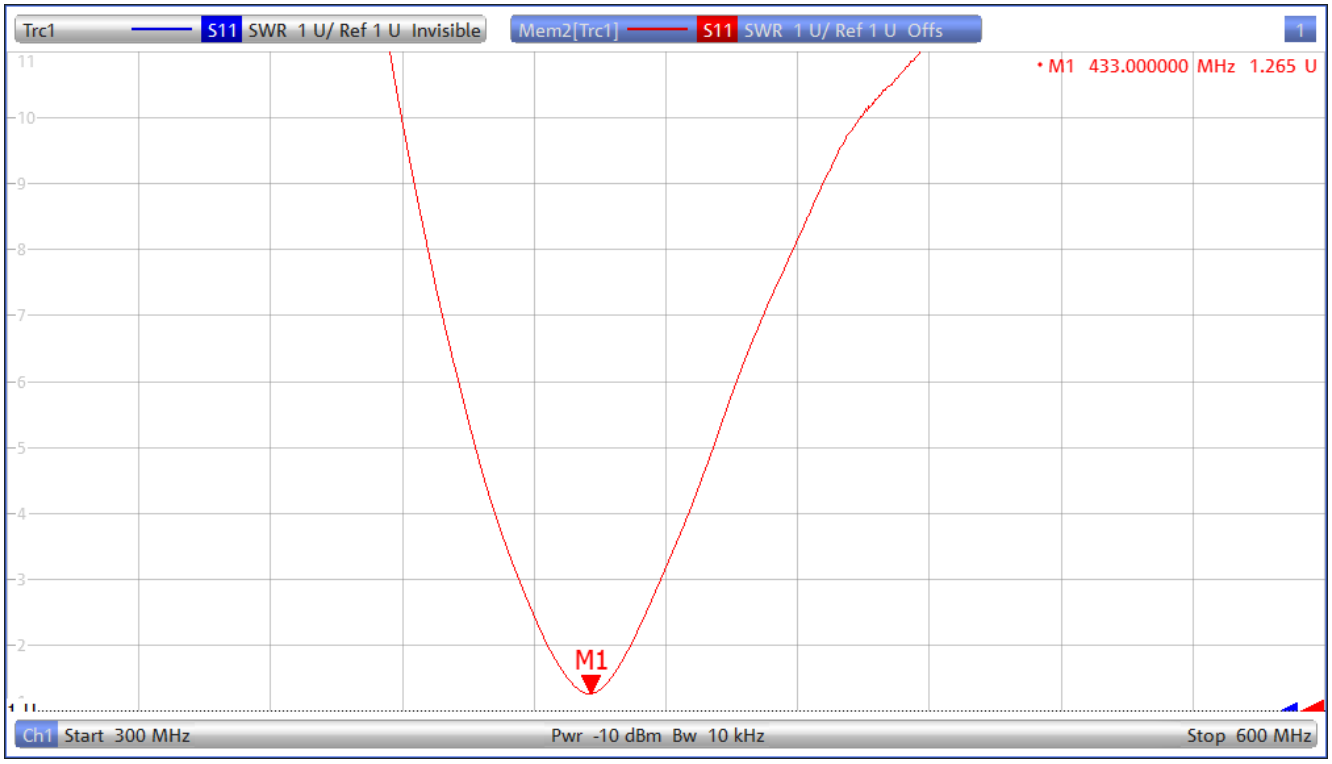
Standards	ISM-433MHz
Frequency range (MHz)	433MHz
Peak Gain (dBi)	-1.14dBi
Average Gain (dB)	-3.54dB
VSWR	1.26
Return Loss	-18.63
Efficiency (%)	44.3%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	25

2. Mechanical and Environmental Specification

Mounting Type	Connector Mount
Connector Type	SMA
Antenna size(mm)	48.6Xφ8mm
Material	ABS
Operating Temperature (˚C)	- 40 ˚C ~ + 85 ˚C
Storage Temperature(˚C)	- 40 ˚C ~ + 85 ˚C

3. Antenna parameters

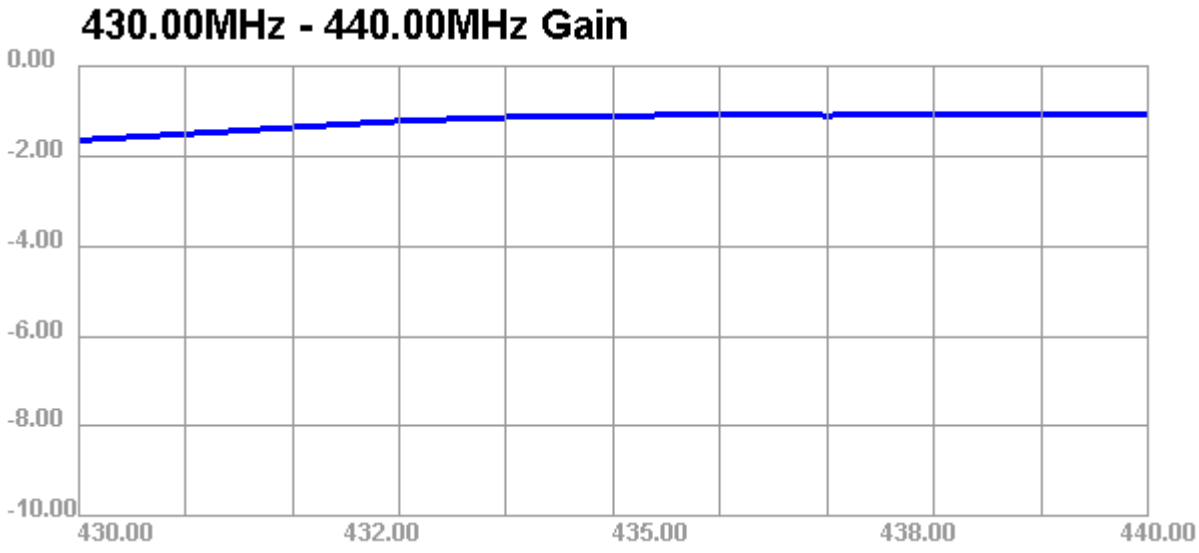
FRE（MHz）	433
VSWR	1.26
Return Loss	-18.63
Eff(%)	44.3
Average Gain(dB)	-3.54

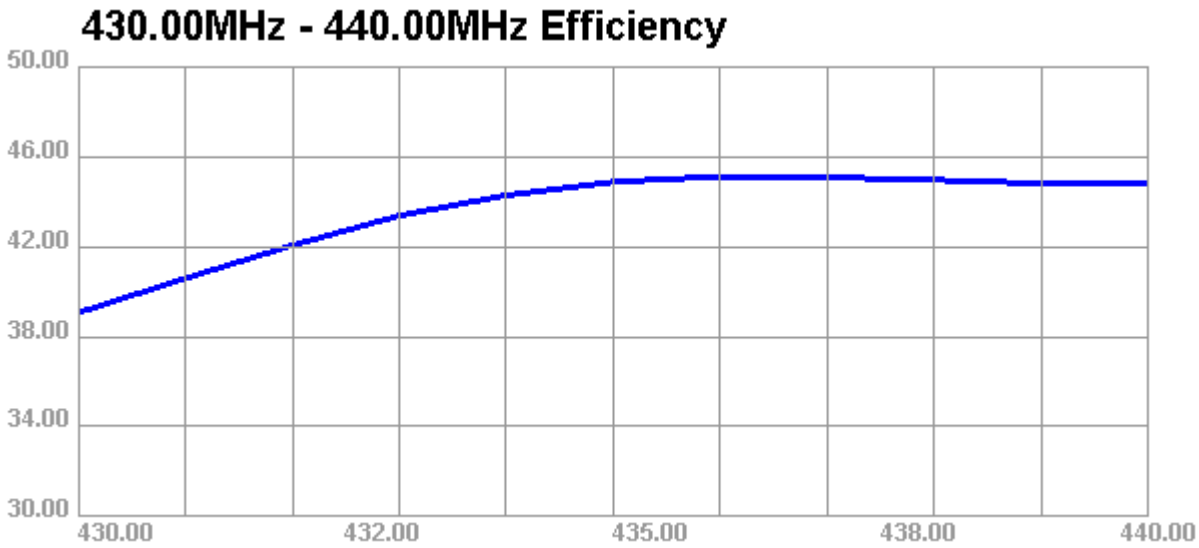


VSWR

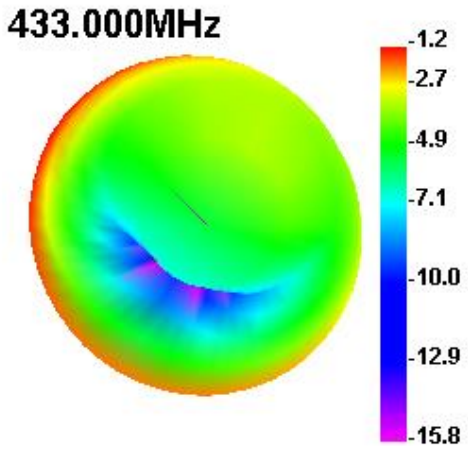

Trc1 S11 dB Mag 5 dB/ Ref 0 dB Invisible
Mem2[Trc1] S11 dB Mag 5 dB/ Ref 0 dB Offs
1
• M1 433.000000 MHz -18.6368 dB
25
20
15
10
5
0 dB
-5
-10
-15
-20
-25
M1
Ch1 Start 300 MHz
Pwr -10 dBm Bw 10 kHz
Stop 600 MHz

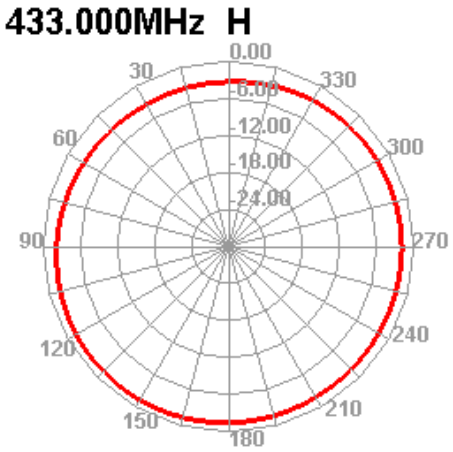
Return Loss

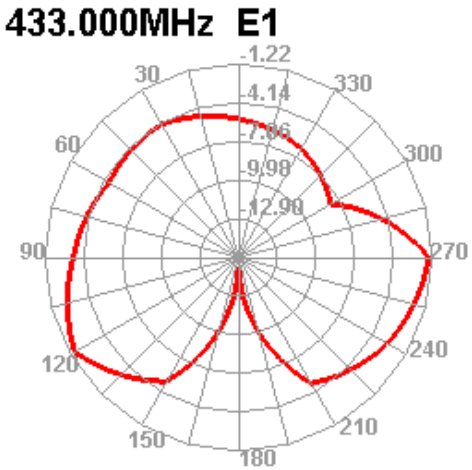

430.00MHz - 440.00MHz Gain
0.00
-2.00
-4.00
-6.00
-8.00
-10.00
430.00
432.00
435.00
438.00
440.00

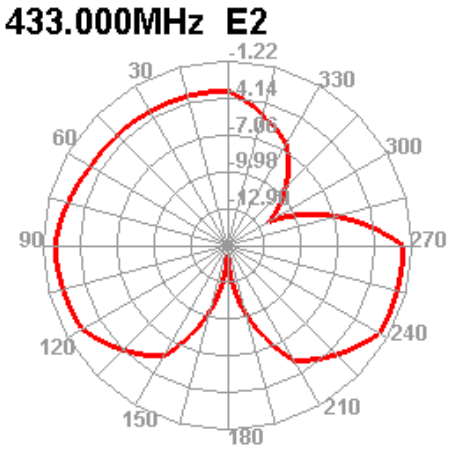


Directional pattern

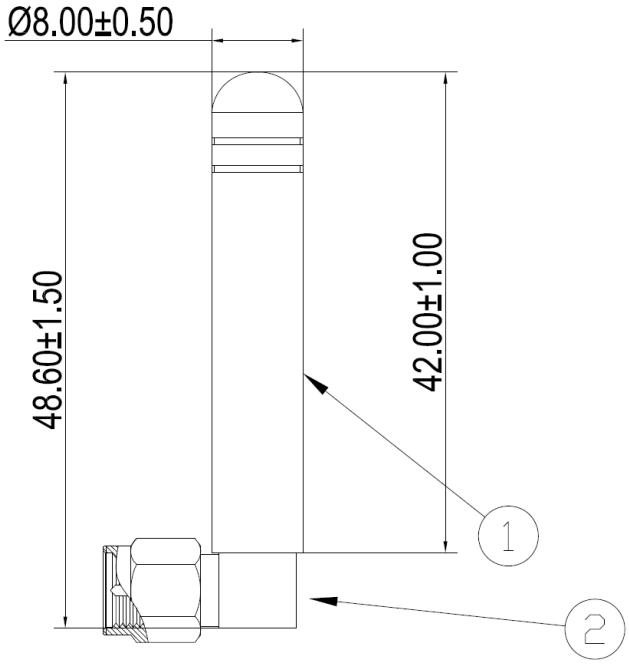








4.Antenna Drawings



2	SMA	SMA-J	Yellow	1
1	noumenon	ABS	black	1
Series	Component name	Specification	Color	Quantity