SUNNYWAY

SWE011

PN: SW19041EB78



Sunnyway Technology

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1. Electrical Specifications

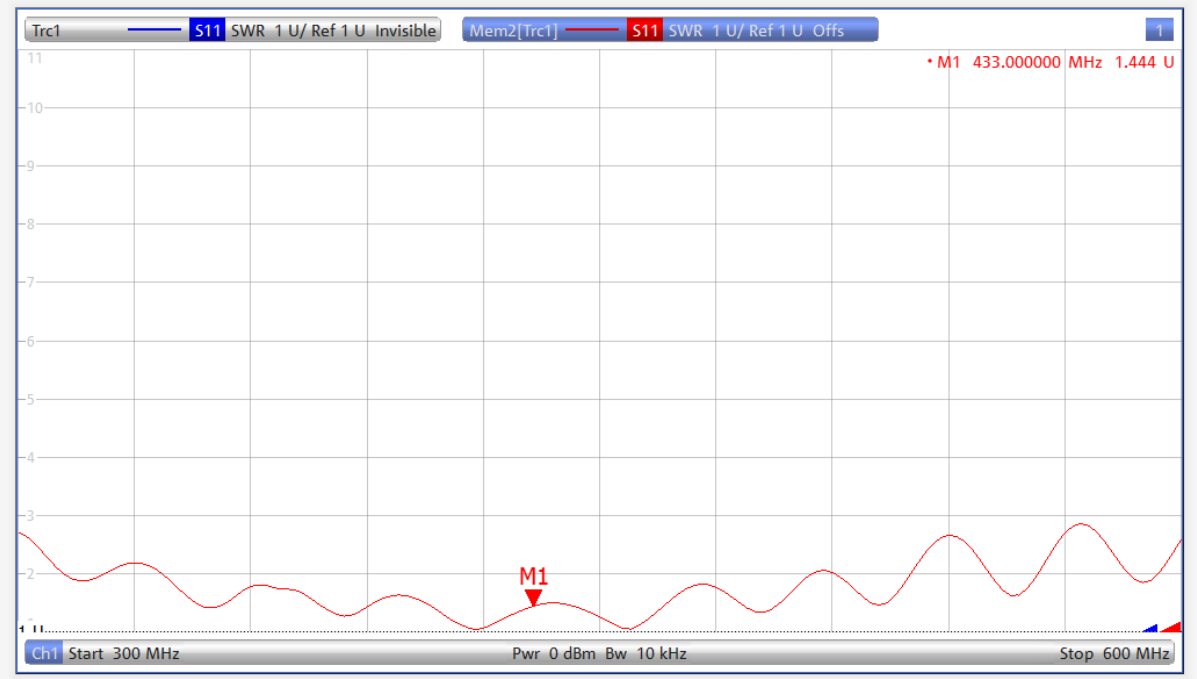
Standards	ISM-433MHz
Frequency range (MHz)	433MHz
Peak Gain (dBi)	0.23dBi
Average Gain (dBi)	-5.51dB
VSWR	1.44
Return Loss	-14.82
Efficiency (%)	28.1%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	25

2. Mechanical and Environmental Specification

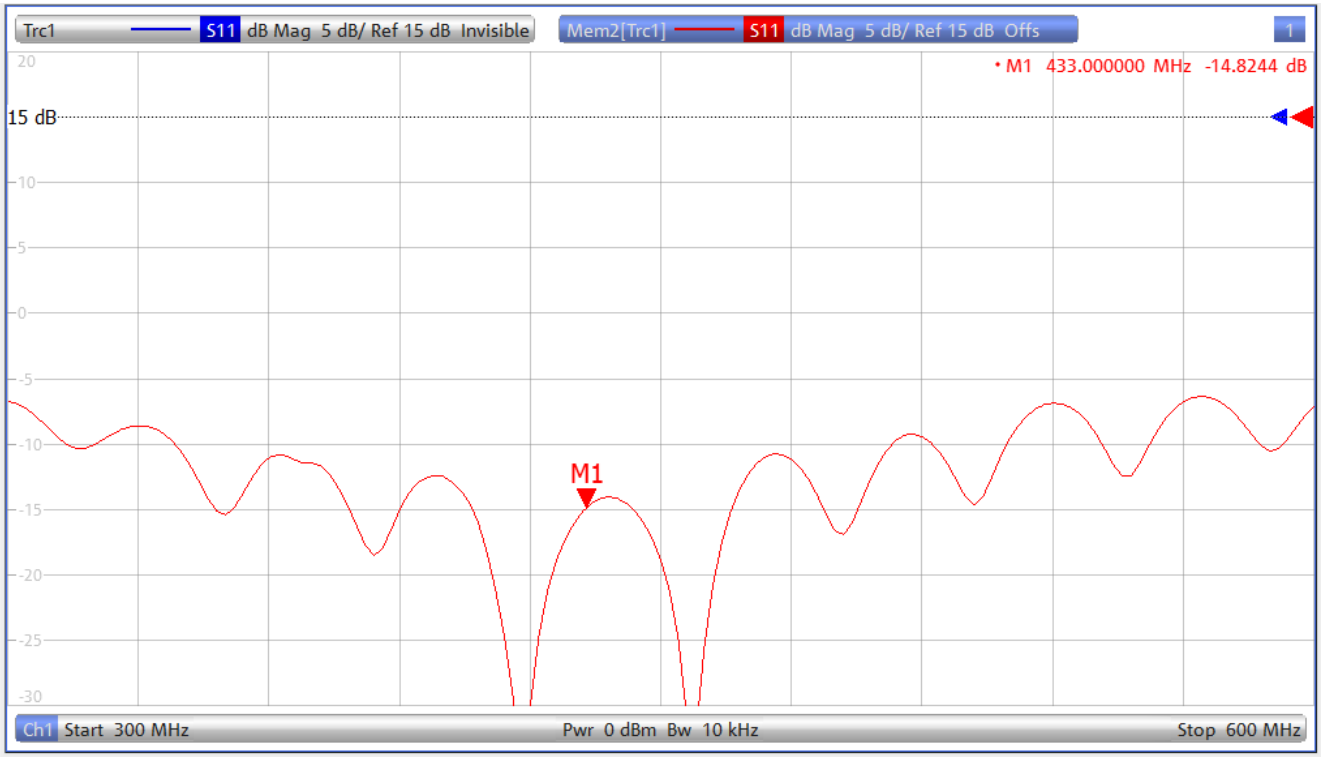
Mounting Type	Connector Mount
Connector Type	SMA (3M)
Antenna size(mm)	154mm*φ30mm
Material	ABS+PC
Operating Temperature (˚C)	- 40 ˚C ~ + 85 ˚C
Storage Temperature(˚C)	- 40 ˚C ~ + 85 ˚C

3. Antenna parameters

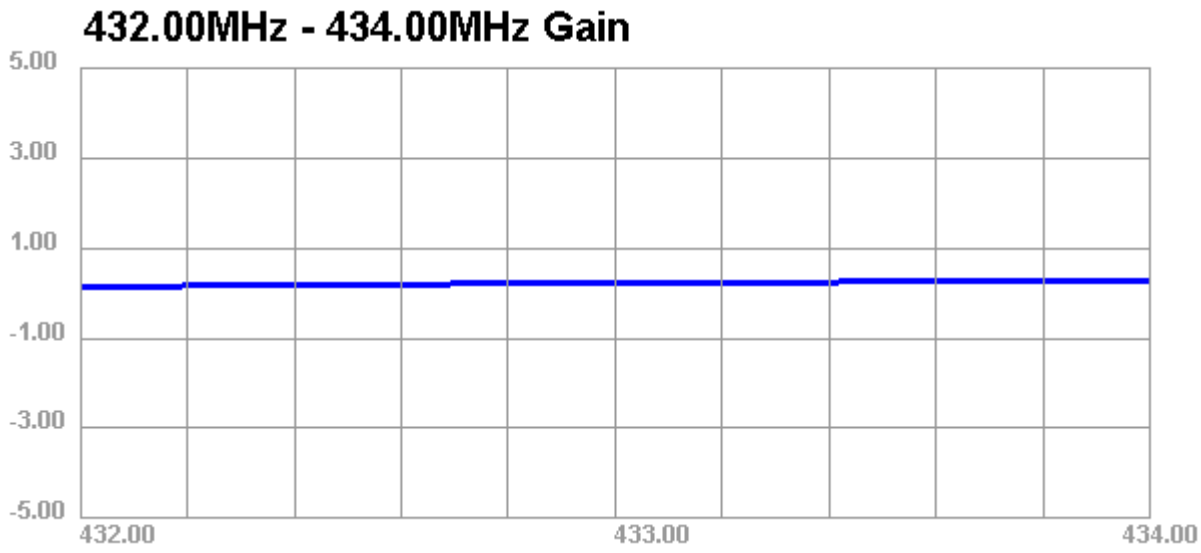
FRE（MHz）	433
VSWR	1.44
Return Loss	-14.82
Eff (%)	28.1
PEAK Gain (dBi)	-0.23

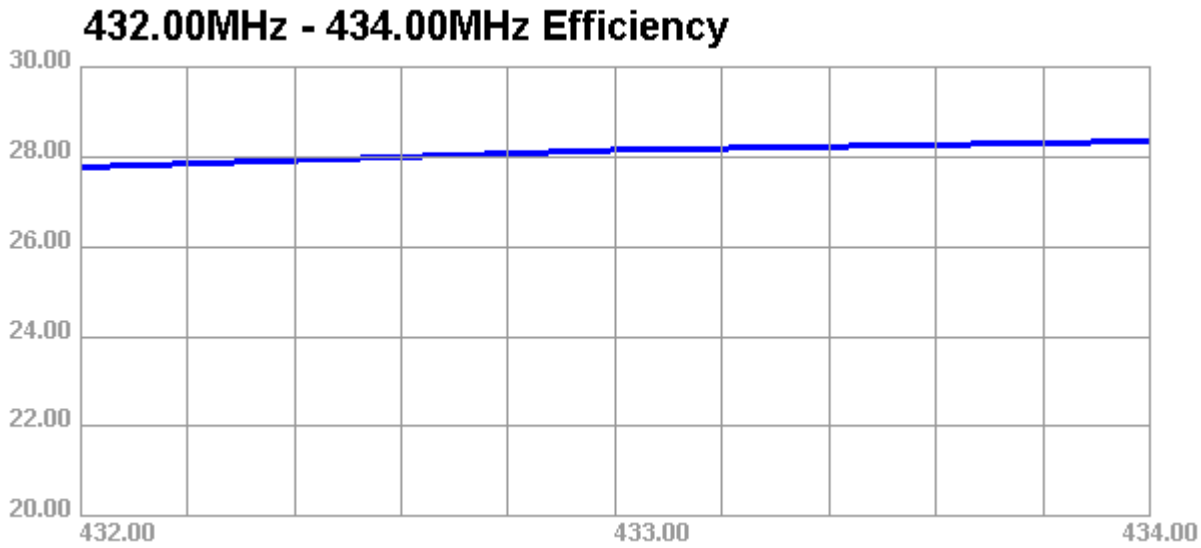


VSWR

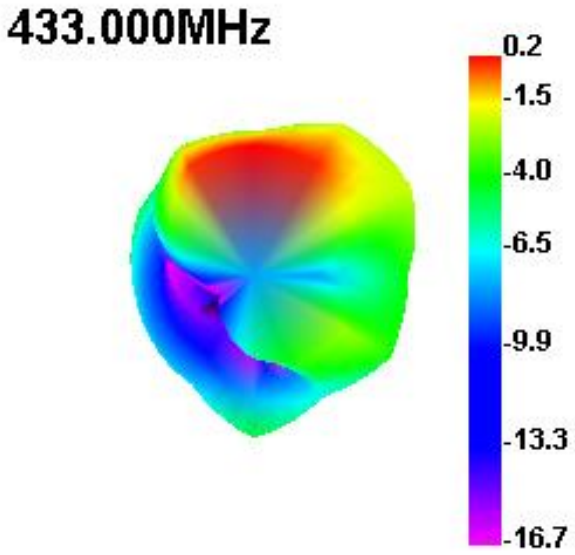

Trc1 S11 dB Mag 5 dB/ Ref 15 dB Invisible
Mem2[Trc1] S11 dB Mag 5 dB/ Ref 15 dB Offs
1
• M1 433.000000 MHz -14.8244 dB
20
15 dB
10
5
0
-5
-10
-15
-20
-25
-30
M1
Ch1 Start 300 MHz
Pwr 0 dBm Bw 10 kHz
Stop 600 MHz

Return Loss

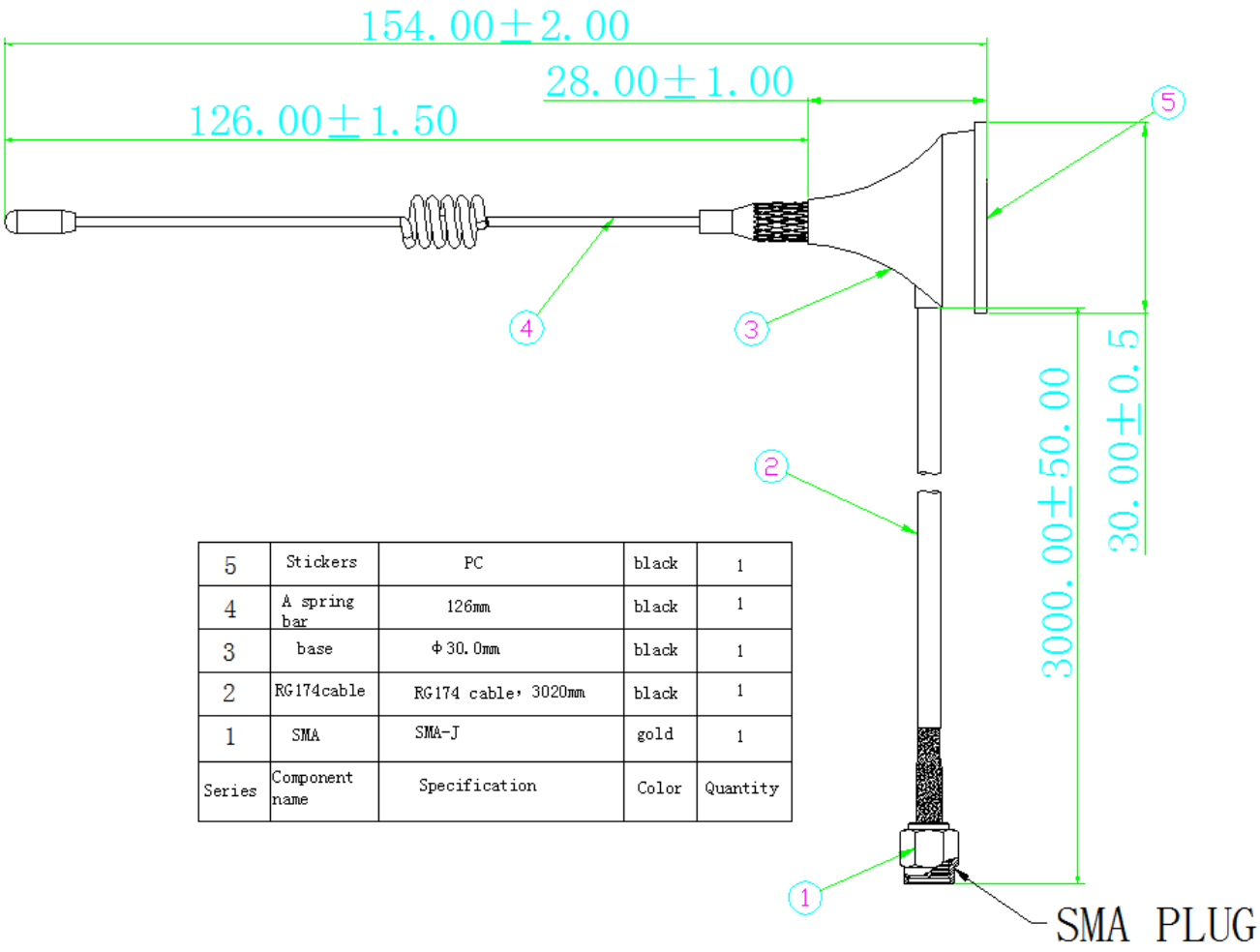

432.00MHz - 434.00MHz Gain
5.00
3.00
1.00
-1.00
-3.00
-5.00
432.00
433.00
434.00



Directional pattern



4. Antenna Drawings



5	Stickers	PC	black	1
4	A spring bar	126mm	black	1
3	base	Φ30.0mm	black	1
2	RG174cable	RG174 cable, 3020mm	black	1
1	SMA	SMA-J	gold	1
Series	Component name	Specification	Color	Quantity