



ISM ANTENNA

Antenna ISM Screw Mount R36,
868 MHz, SMA(m), RG174/3m,
IP67, Rubber Protective Coating

AO-A868-36S

SECTRON company offers a wide portfolio of ISM antennas with various versions differing in shape, level of gain and manner of attachment. SECTRON guarantees a compatible connection between an antenna and all antenna adaptors produced by SECTRON.



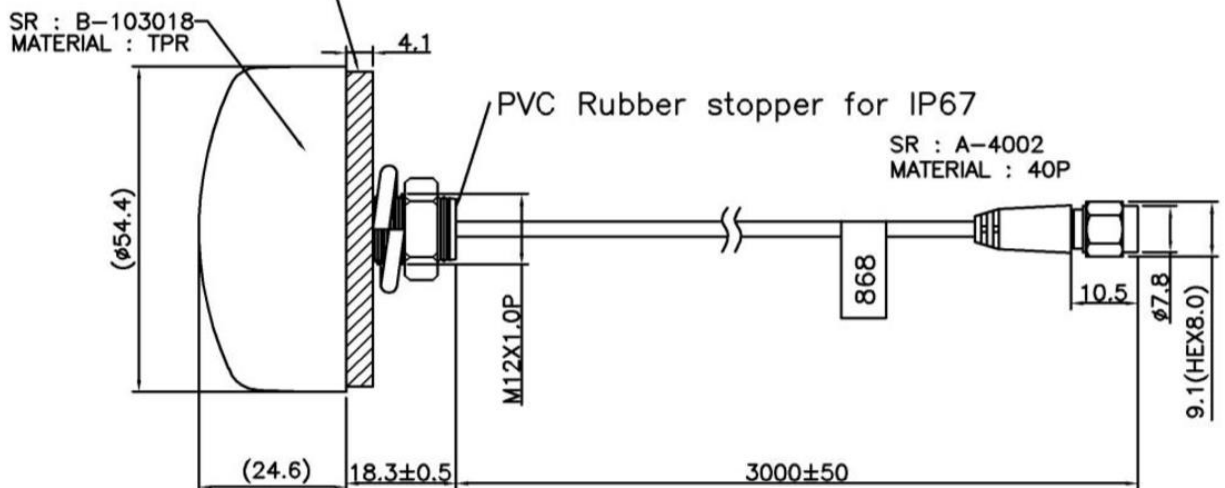
BENEFITS

- Low VSWR
- Anti-vandal design
- Optimized radiation pattern
- IP67
- Double sided CR foam tape

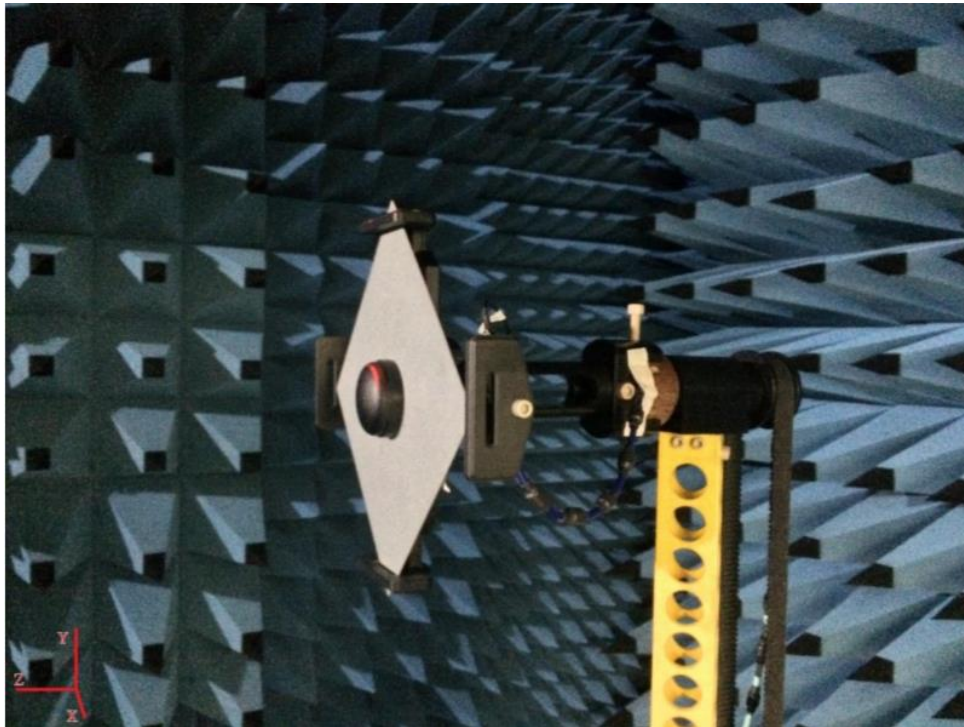
Technology	ISM
Frequency bands	858/868/878 MHz
Bandwidth	<20MHz
Gain	2.72 dBi
VSWR	<1.8:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	Attached graphs bellow
Polarization	Linear
Maximum input power	10 W
Power voltage	2.2-5 VDC
Dimensions	∅ 54.4 x 28.7 mm
Weight	129.25 g
Operating temperature	-40°C~+85 °C
Execution	External
Method of attachment	Screw Mount
Cable type	RG174/U
The cable length	3 m
Connector type	SMA(m)
Certification	RoHS
IP code	IP67

DRAWING

52X4 Double-Sided CR foam tape
(PK-619 Put on only;no required
to stick on)

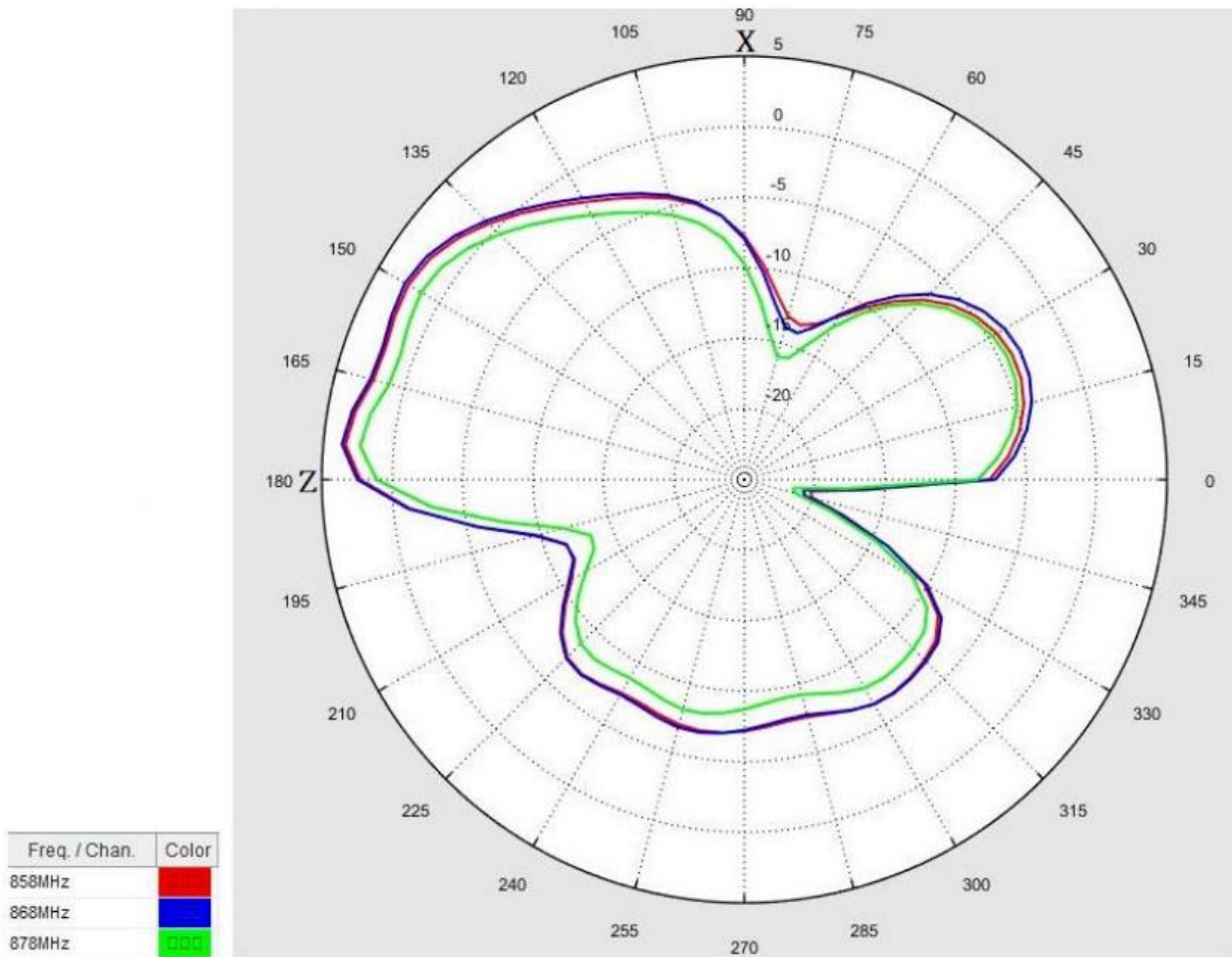


MEASUREMENT PROCESS



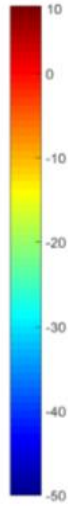
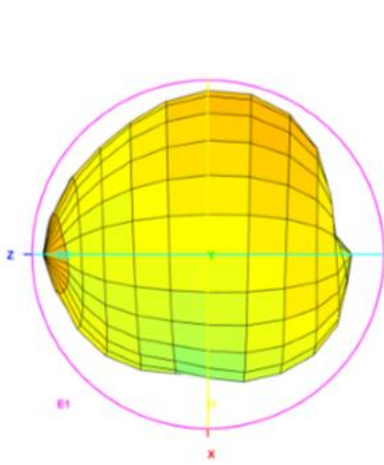
MEASURED GRAPHS

RADIATION PATTERN - 2D

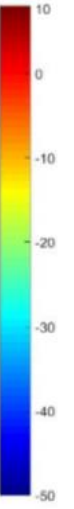
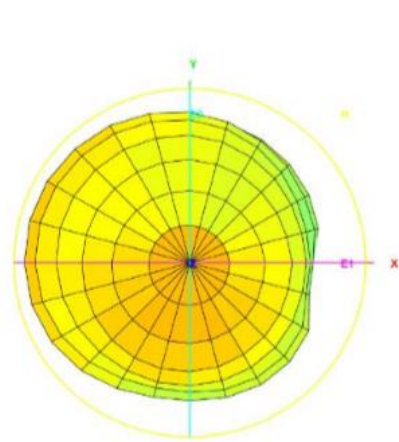


RADIATION PATTERN - 3D

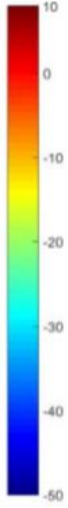
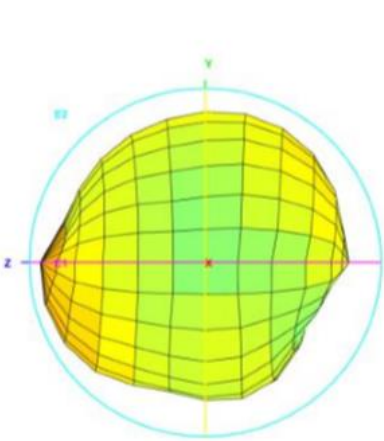
Total_3D_Top View_433MHz



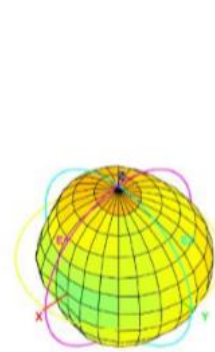
Total_3D_Front View_433MHz



Total_3D_Left View_433MHz

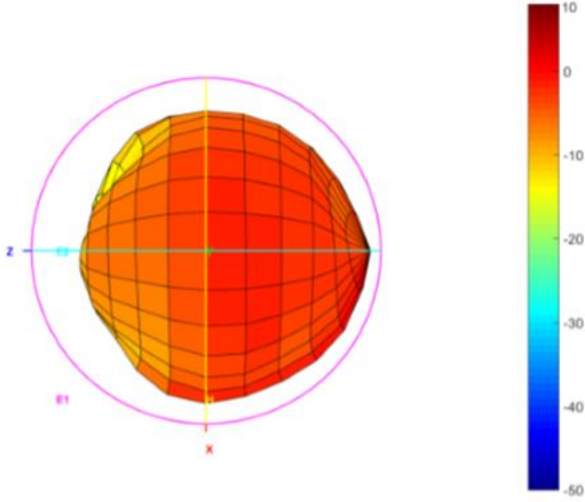


Total_3D_Side View 1_433MHz

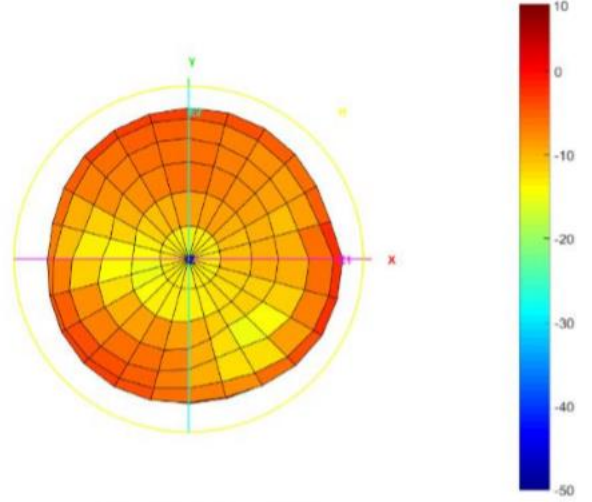


RADIATION PATTERN - 3D

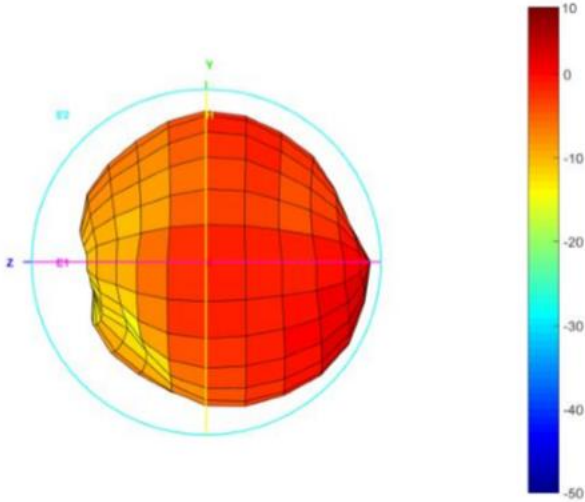
Total_3D_Top View_868MHz



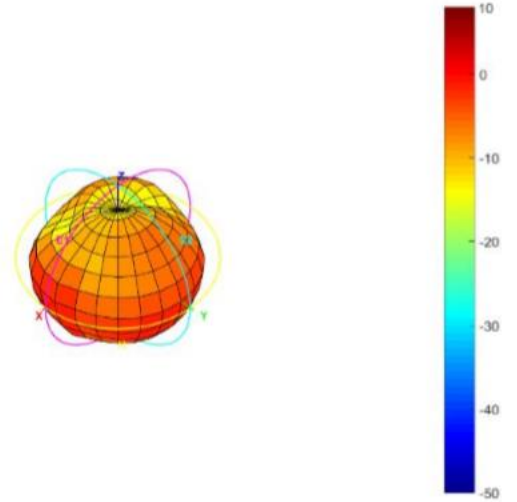
Total_3D_Front View_868MHz



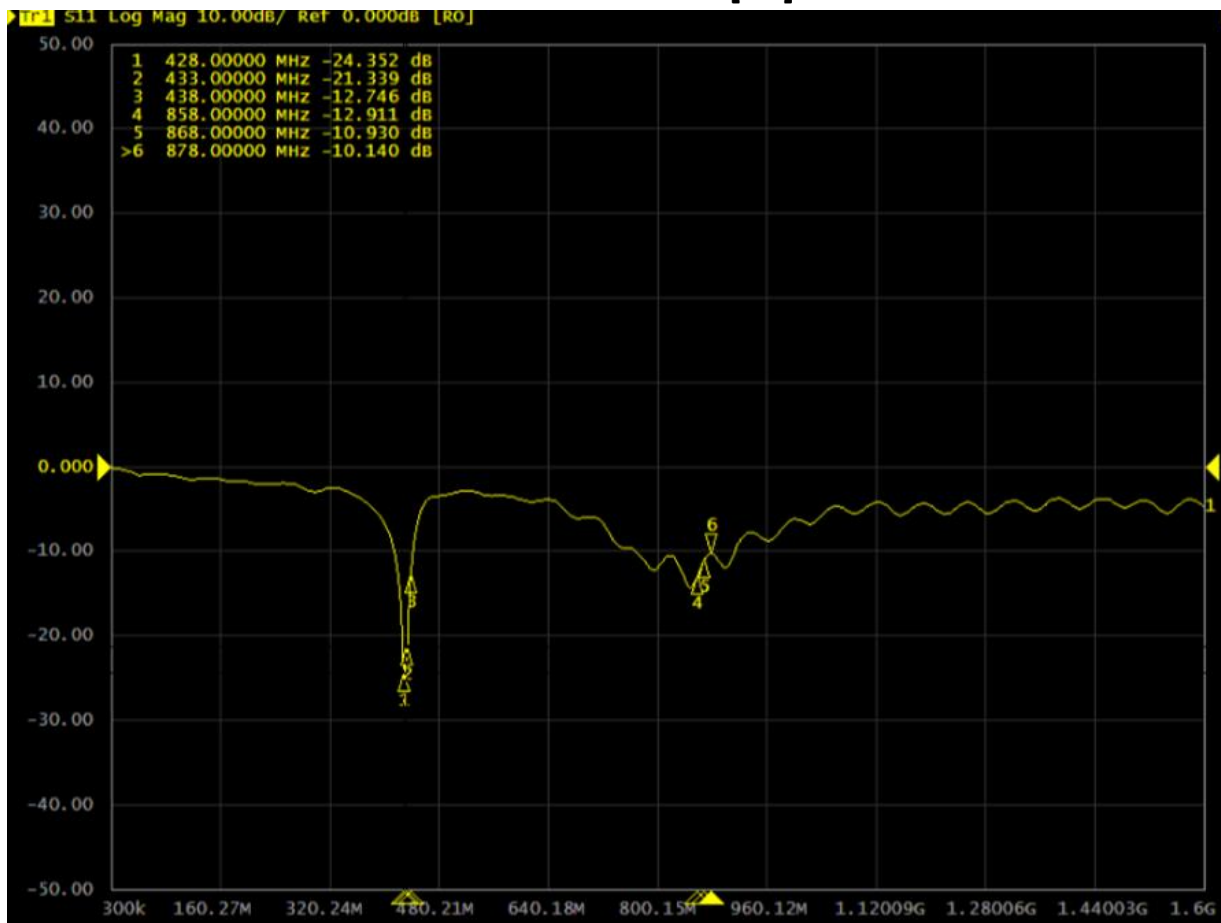
Total_3D_Left View_868MHz



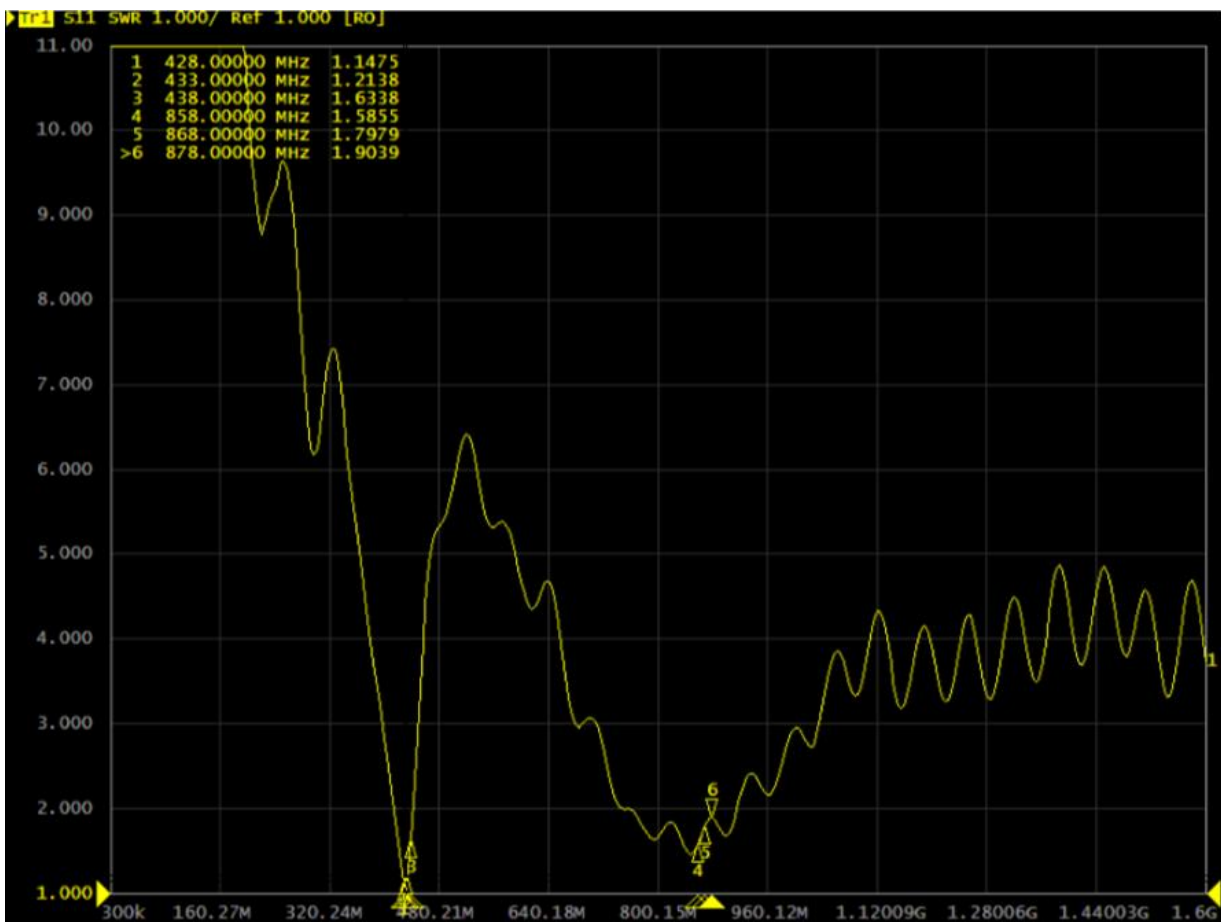
Total_3D_Side View 1_868MHz



S11 - RETURN LOSS [dB]



VSWR - STANDING WAVE RATIO [-]



Frequency [MHz]	Return Loss [dB]	VSWR	Efficiency [%]	Gain [dBi]
858	-12.91	1.58	43.45	2.24
868	-10.93	1.79	47.53	2.72
878	-10.14	1.9	43.45	2.4

VARIANTS

Different connector variants or cable lengths are available on request

CONTACTS

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