



# LTE ANTENNA

Antenna LTE Magnet Mount 90,  
5-9 dBi, SMA(m), RG58/3m

AO-ALTE-MG9S-58

SECTRON company offers a wide portfolio of 868 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
- Gain
- Easy installation

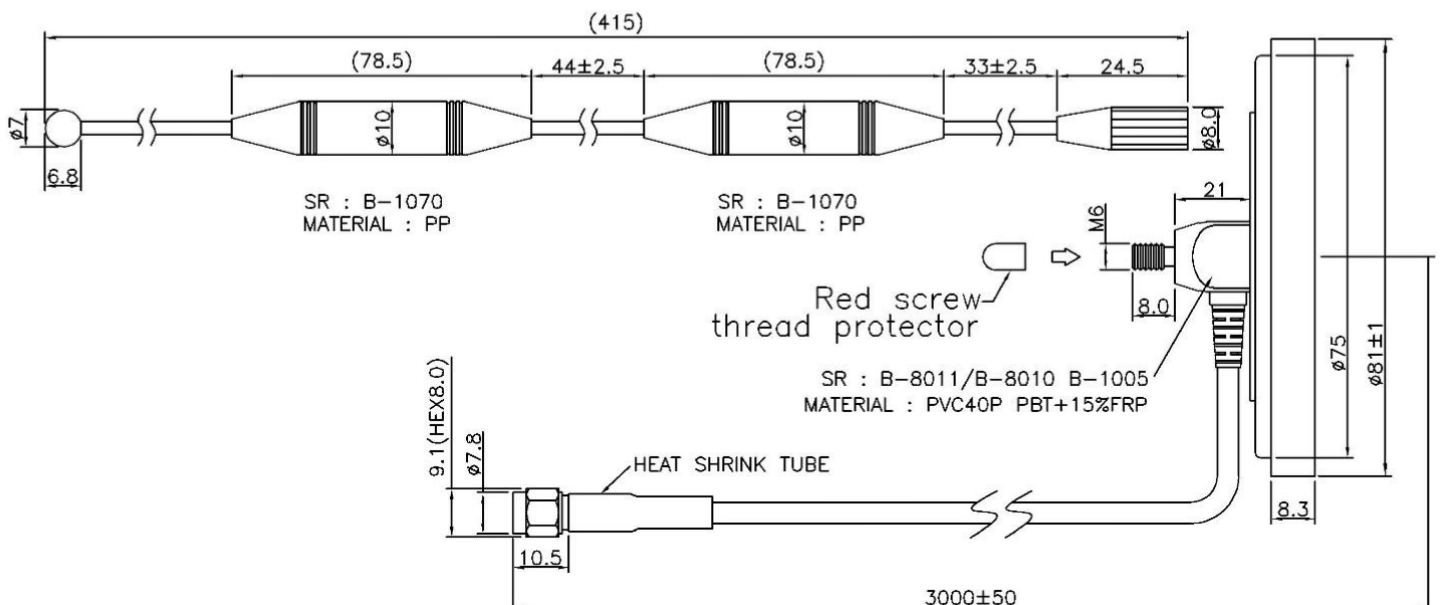


## FEATURES

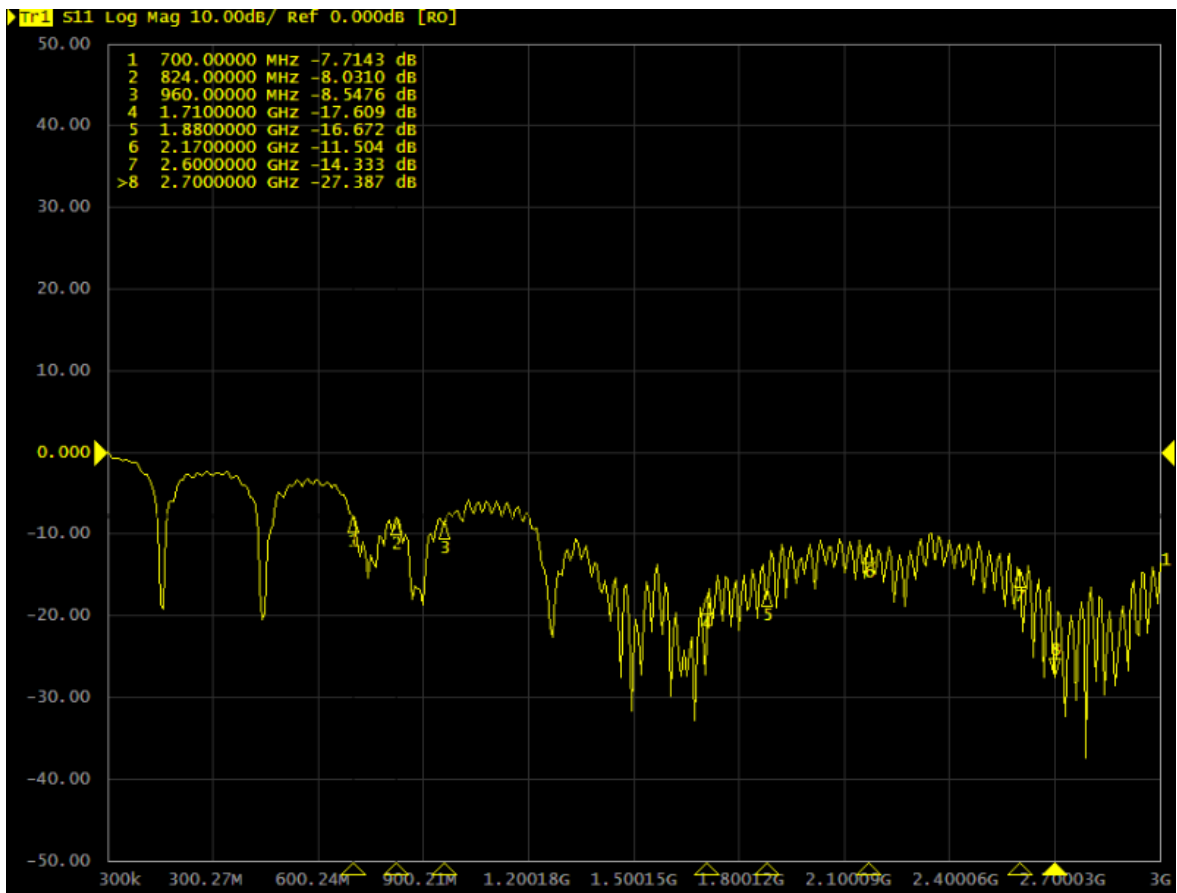
AO-ALTE-MG9S-58

Technology	LTE
Frequency bands	700/824/960/1710/1880/2170/2600/2700 MHz
Bandwidth	-
Gain	5-9 dBi
VSWR	<2.4:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	Attached graphs bellow
Polarization	Vertical
Maximum input power	10 W
Power voltage	-
Dimensions	∅ 81 x 444.3 mm
Weight	310 g
Operating temperature	-30 to +80 °C
Execution	External
Method of attachment	Magnet Mount
Cable type	RG58/U
The cable length	3 m
Connector type	SMA(m)
Certification	RoHS

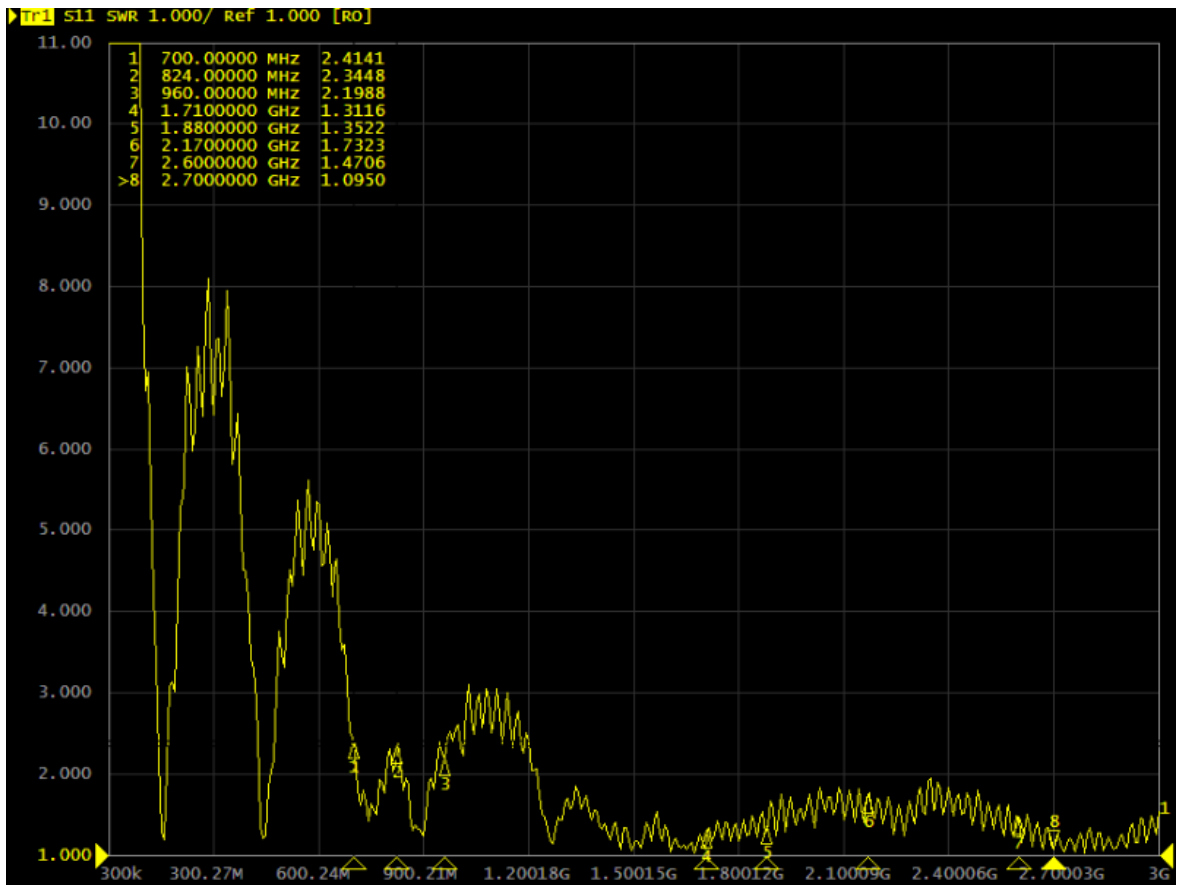
## DRAWING



$S_{11}$  - Return Loss [dB]

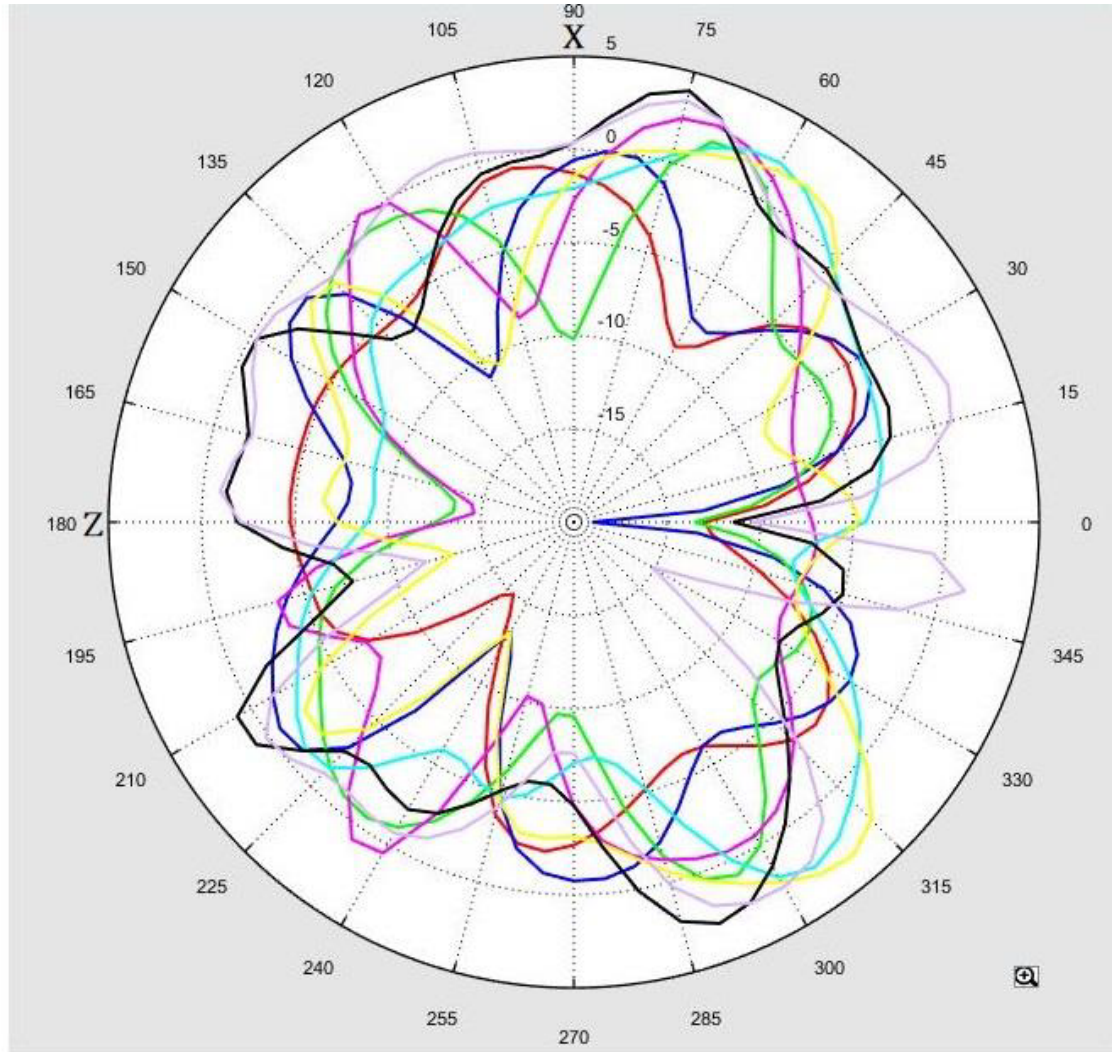


VSWR – Voltage standing wave ratio [-]



2D RADIATION PATTERN

Freq. / Chan.	Color
700MHz	<span style="color: red;">█</span>
824MHz	<span style="color: blue;">█</span>
960MHz	<span style="color: green;">█</span>
1.71GHz	<span style="color: magenta;">█</span>
1.88GHz	<span style="color: cyan;">█</span>
2.17GHz	<span style="color: yellow;">█</span>
2.6GHz	<span style="color: black;">█</span>
2.7GHz	<span style="color: purple;">█</span>



Frequency [MHz]	$S_{11}$ [dB]	VSWR [-]	Gain [dBi]	Efficiency [%]
700	-7.71	2.41	-0.4	33.5
824	-8.03	2.34	0.33	43.95
960	-8.54	2.19	1.01	50.47
1710	-17.60	1.31	2.57	54.95
1880	-16.67	1.35	4.3	63.97
2170	-11.50	1.73	2.82	53.83
2600	-14.33	1.47	3.97	63.53
2700	-27.38	1.09	3.44	68.08

Different connector variants or cable lengths are available on request.

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