

# Specification

1.1 Product Type: LTE (4G)

Rubber Stubby Antenna


1.2 Product's No: EM-T118UM10ANT-464

1.3 Product's Photo:

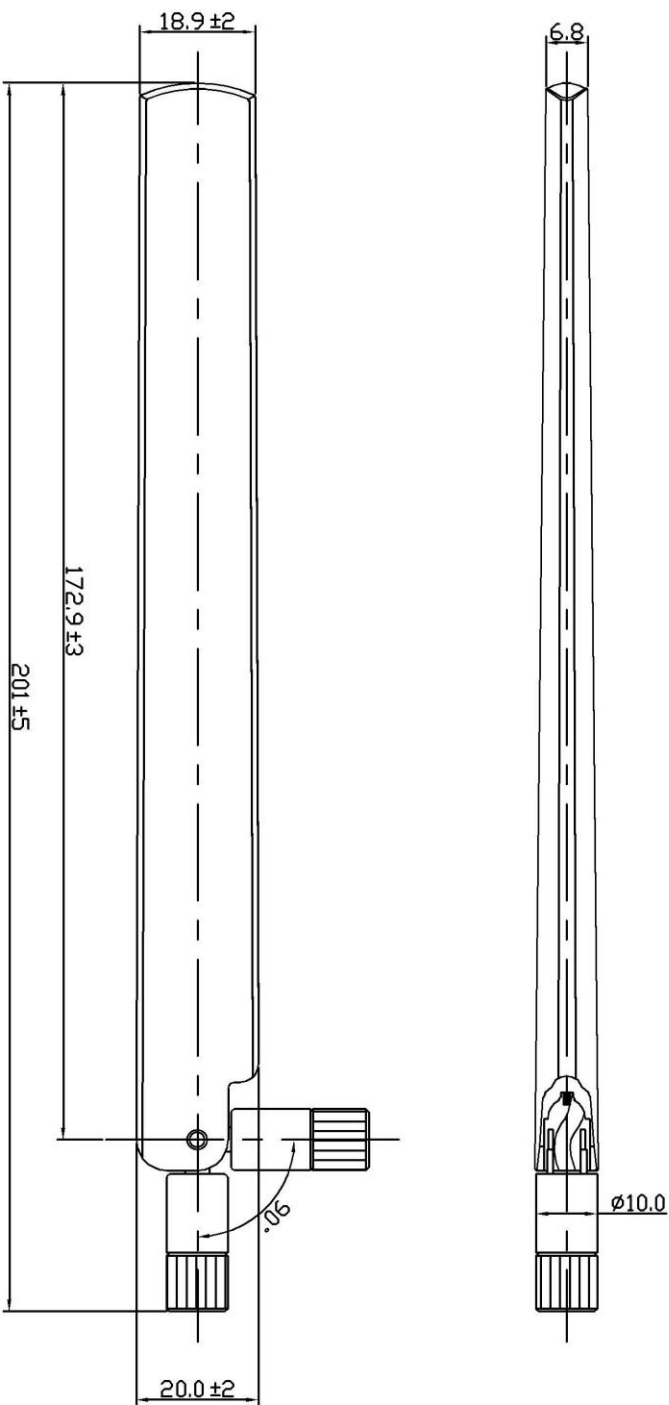


# 2.1 Technical Drawing:

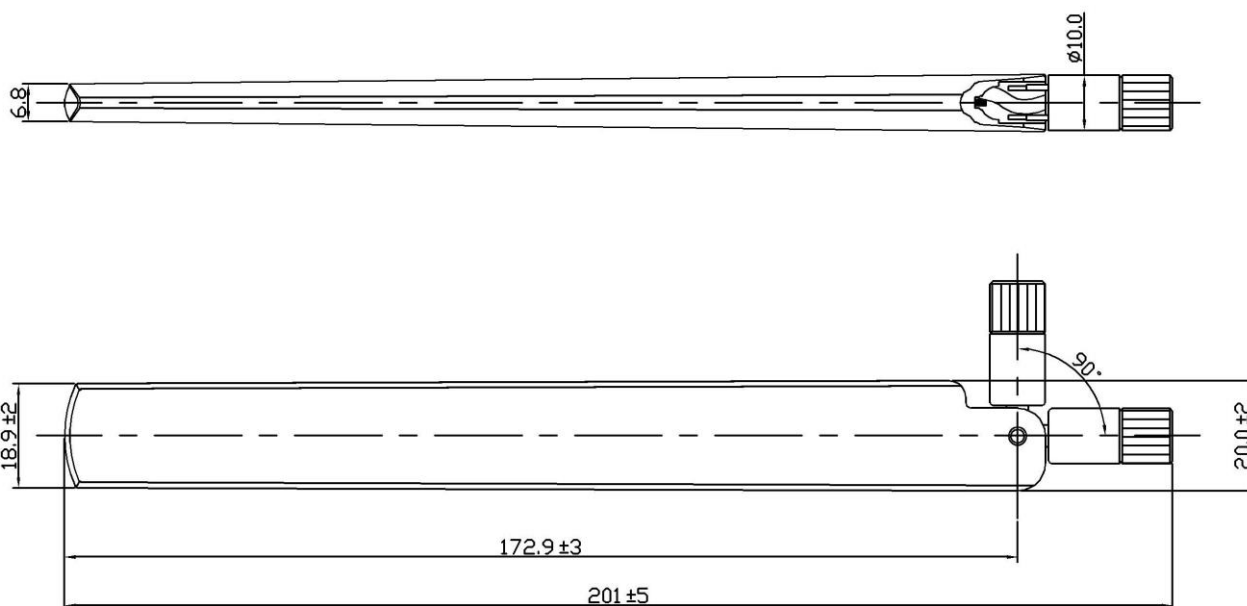
Frequency	Peak gain(dBi)	V.S.V/R	Average gain	Impedance	Connector
698-960MHz	0	5.0:1 Max	-1 dBi	50Ω	SMA PLUG
1710-2170MHz	1.5	3.5:1 Max	-0.5 dBi		
2300-2700MHz	3	2.5:1 Max	-1 dBi		



ISO 9001  
ISO 14001



Material:		Treatment:		Unit:		TITLE		Chinmore Industry CO.LTD	
Drawer	Design	Approv	Tolerance	Veri	Scale	Model	LTE-FULL BAND ANTENNA		
			X=±0.5 X=±0.2 XX=±0.1 XXX=±0.05	A	1:1	RF	RFA-LTE-T118-U-M10		
DESCRIPTION		MATERIAL / FINISH		File		Drawing			
Part NO		EM-T118UM10ANT-464		ND: QR0402		ND		100-22045-0315	

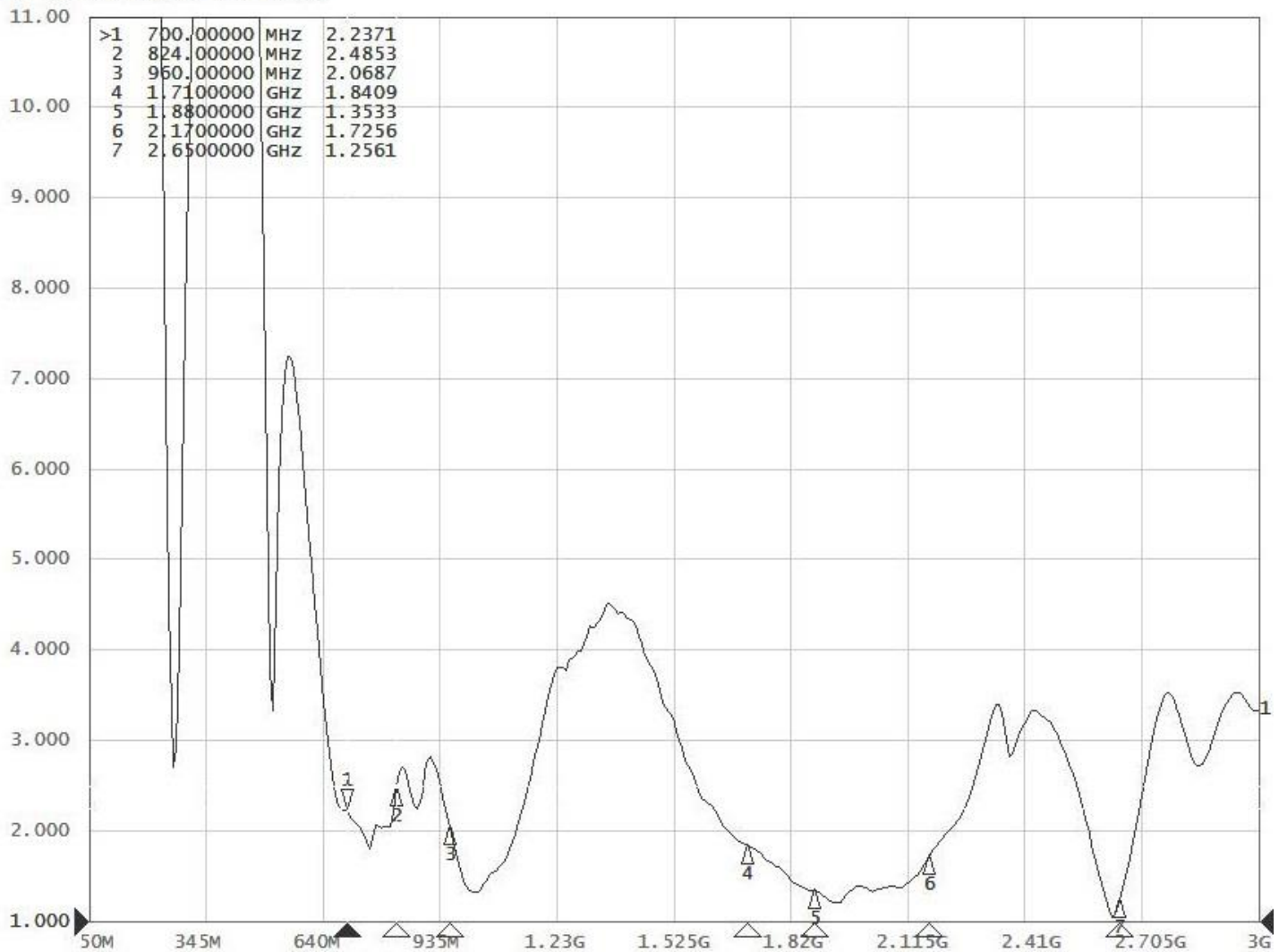


Frequency	698~960MHz	1710~2170MHz	2300~2700MHz
Peak Gain	0 dBi	1.5 dBi	3 dBi
VSWR	5.0:1 Max	3.5:1 Max	2.5:1 Max
Average Gain	-1 dBi	-0.5 dBi	-1 dBi
Impedance	50 Ω		
Connector	SMA PLUG		

# 3.1 Test Report:

## V.S.W.R

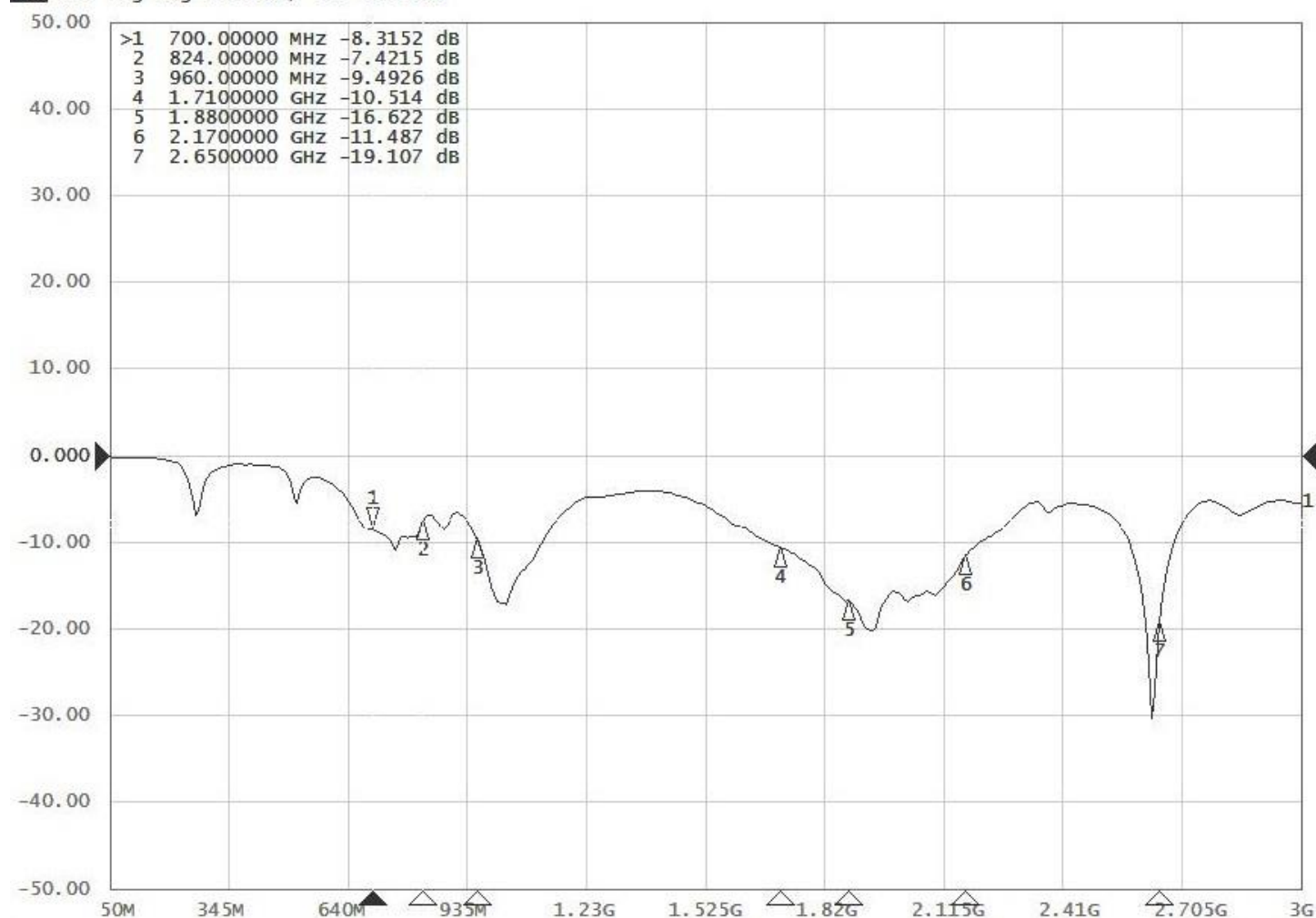
Tr1 S11 SWR 1.000/ Ref 1.000



<b>Frequency</b>	<b>700MHz</b>	<b>824MHz</b>	<b>960MHz</b>	<b>1710MHz</b>
<b>VSWR</b>	2.23	2.48	2.06	1.84
<b>Frequency</b>	1880MHz	2170MHz	2650MHz	
<b>VSWR</b>	1.35	1.72	1.25	

# Return Loss

Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB



<b>Frequency</b>	<b>700MHz</b>	<b>824MHz</b>	<b>960MHz</b>	<b>1710MHz</b>
<b>Return Loss</b>	-8.31 dB	-7.42 dB	-9.49 dB	-10.51 dB
<b>Frequency</b>	1880MHz	2170MHz	2650MHz	
<b>Return Loss</b>	-16.62 dB	-11.48 dB	-19.10 dB	