

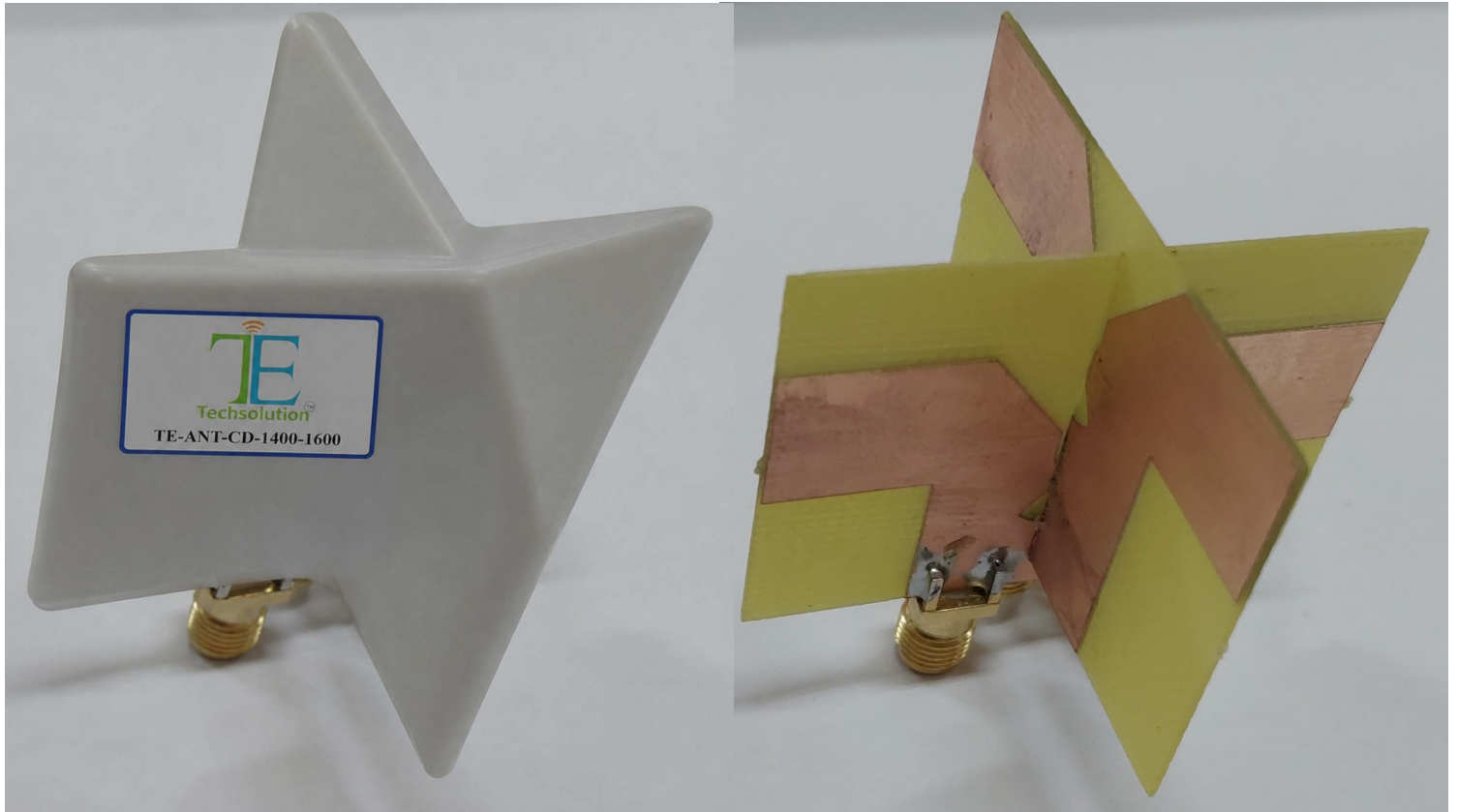
ANTENNA : 1400-1600MHz (TE-ANT-CD-1400-1600)

S.No	Parameter	Description
1	Frequency	1400-1600MHz
2	Gain	>3dBi
3	Beam width (for Vertical dipole)	130 deg (Az) x 70 deg (El) (with back plate)
4	Size	170mm x170mmx70mm
5	Polarization	Linear V & H
6	Connector (Optional)	SMA
7	Impedance	50 Ohm
8	Antenna type	Crossed dipole
9	PCB type	FR4 (4.4Dk and 0.8mm thick)

TE TECH SOLUTION

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E-mail: sales@tetechnsolution.com, Website: www.tetechnsolution.com

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20AAVFT6054A1ZC, MSME Reg No.:-UDYAM-JH-04-0047061

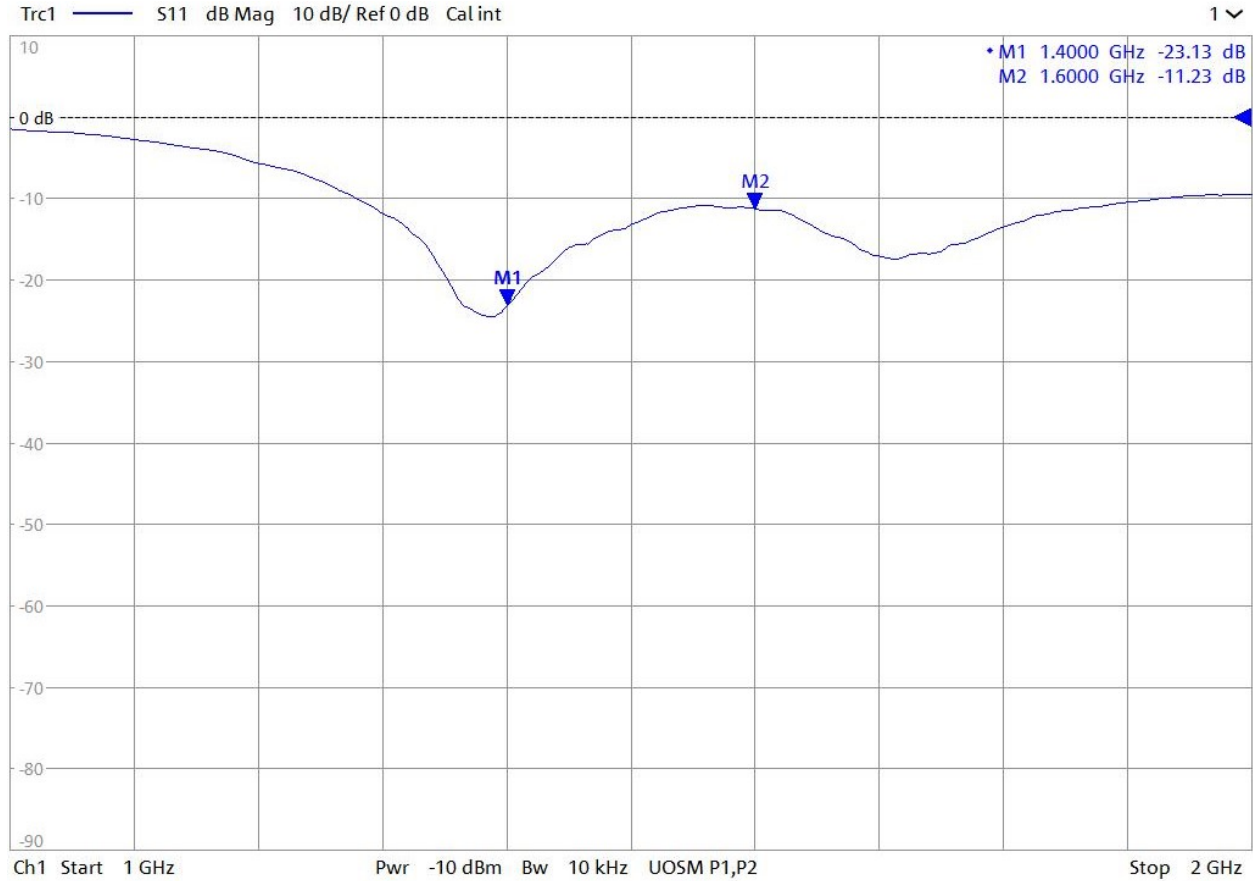


Photograph of crossed dipole Antenna

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Measured Return loss plot

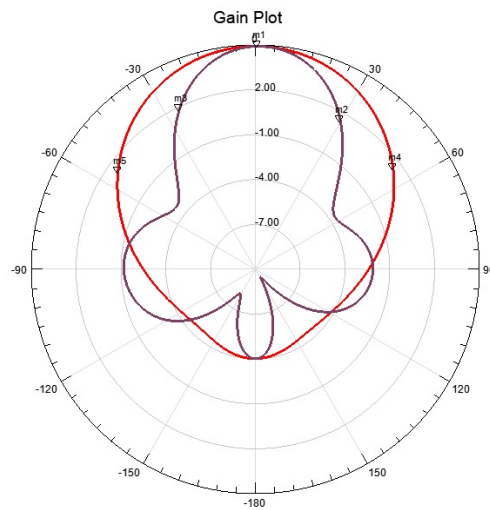
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Simulated Results

Name	Theta	Ang	Mag
m1	0.5000	0.5000	4.9120
m2	30.0000	30.0000	1.4063
m3	-25.5000	-25.5000	1.8151
m4	54.0000	54.0000	1.4004
m5	-55.0000	-55.0000	1.2317



Curve Info
dB(GainTotal)
Setup1: Sweep
Freq=1.4GHz Phi=0deg
dB(GainTotal)
Setup1: Sweep
Freq=1.4GHz Phi=90deg

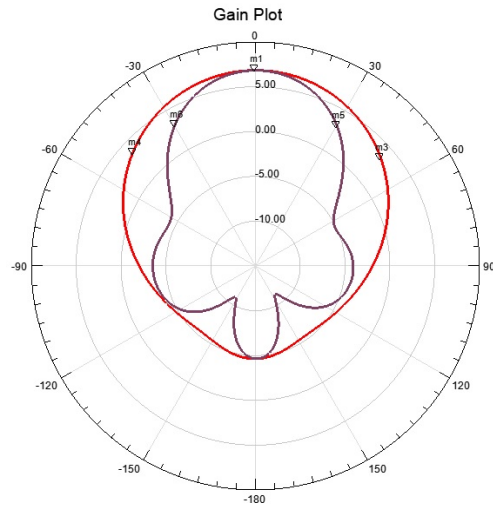
Simulated radiation pattern at 1.4GHz

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Name	Theta	Ang	Mag
m1	0.0000	0.0000	6.8321
m3	49.5000	49.5000	3.4166
m4	-47.5000	-47.5000	3.5989
m5	30.5000	30.5000	3.0074
m6	-30.0000	-30.0000	3.0481



HFSSDesign1
Curve Info
dB(GainTotal)
Setup1: Sweep
Freq=1.54GHz, Phi=0deg
dB(GainTotal)
Setup1: Sweep
Freq=1.54GHz, Phi=90deg

Simulated radiation pattern at 1.54GHz

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