

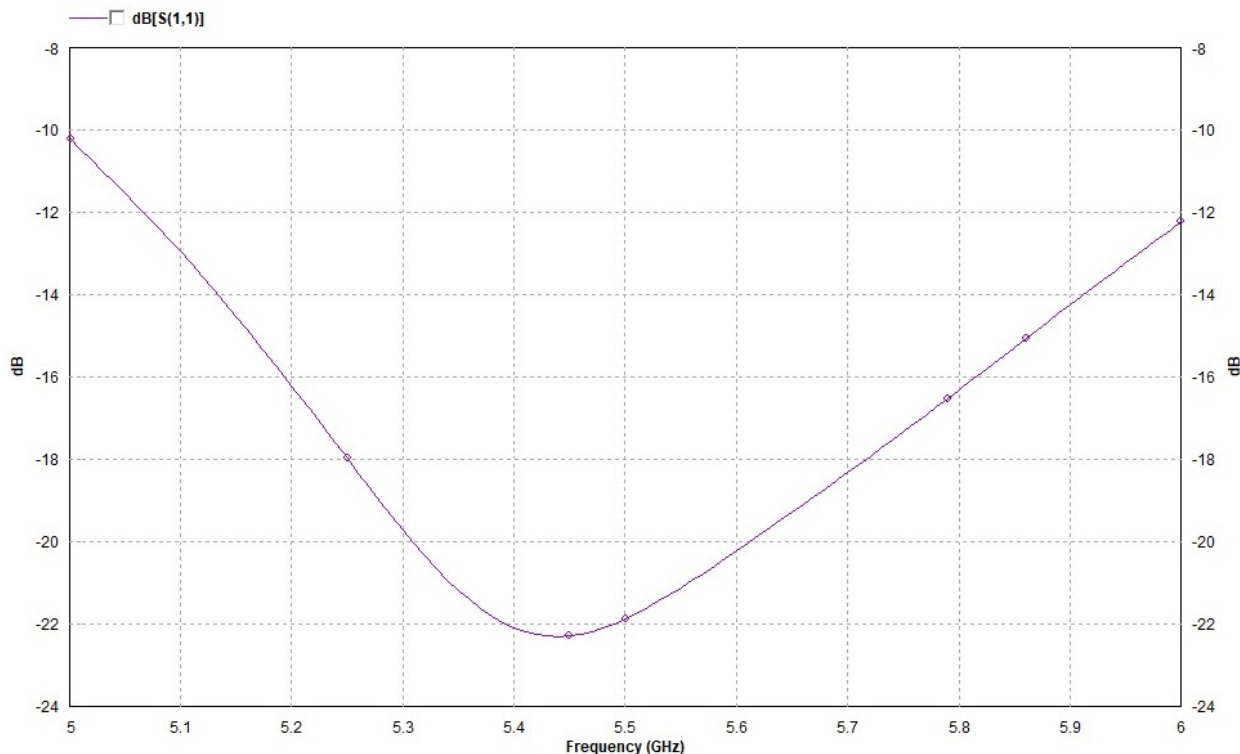


Antenna : 5GHz-6GHz (Endfire radiation)

Antenna specifications Targeted :

S.No	Parameter	Description
1	Frequency	5GHz-6GHz
2	Gain	>14dBi
3	Beam width	70 deg (Az) x 10 deg (EI)
4	Size	295mm x90mmx10mm
5	Polarization	Linear
6	Connector (Optional)	SMA
7	Impedance	50 Ohm
8	Antenna type	Endfire

Simulation Results:

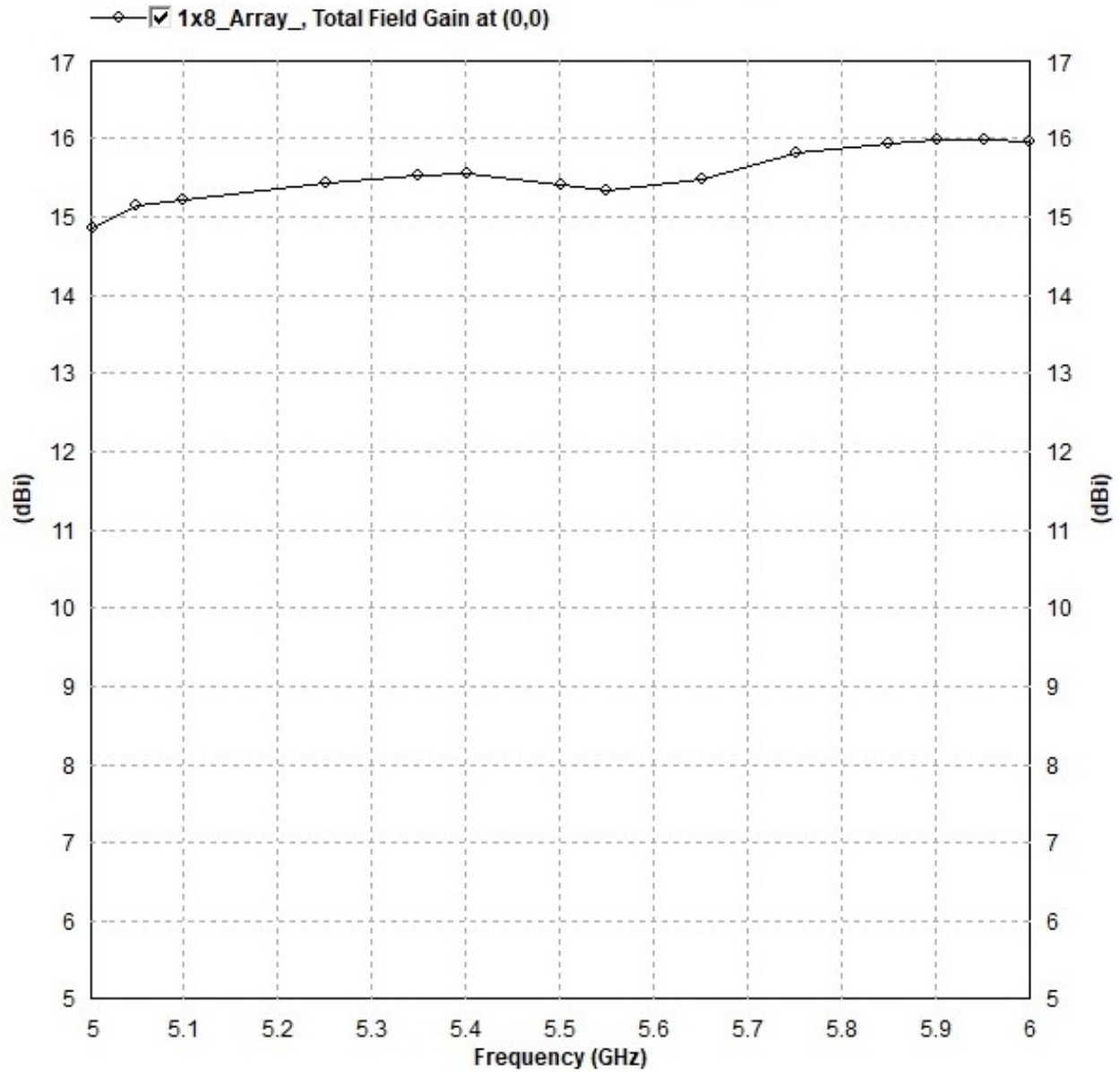


Simulated return Loss

TE TECH SOLUTION

Off Address: Kuvempu Nagar, Naidu Layout, Gangammugudi police station (Near) Jalahalli-560014, Bangalore (Mobile No:8892766984 & 7829139667) E-mail: sales@tetechsolution.com, Website: www.tetechsolution.com
Registered Address : Rangamati, Sindri, Dhanbad, Jharkhand-828122, GSTIN- 20GSRPS7685N1ZJ, UAM No.-JH04D0010449, MSME Reg No.: -UDYAM-JH-04-0005539

Total Field Gain vs. Frequency



Simulated Gain plot

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No Reference

Current Value
Line: N/A

X: N/A
Y: N/A

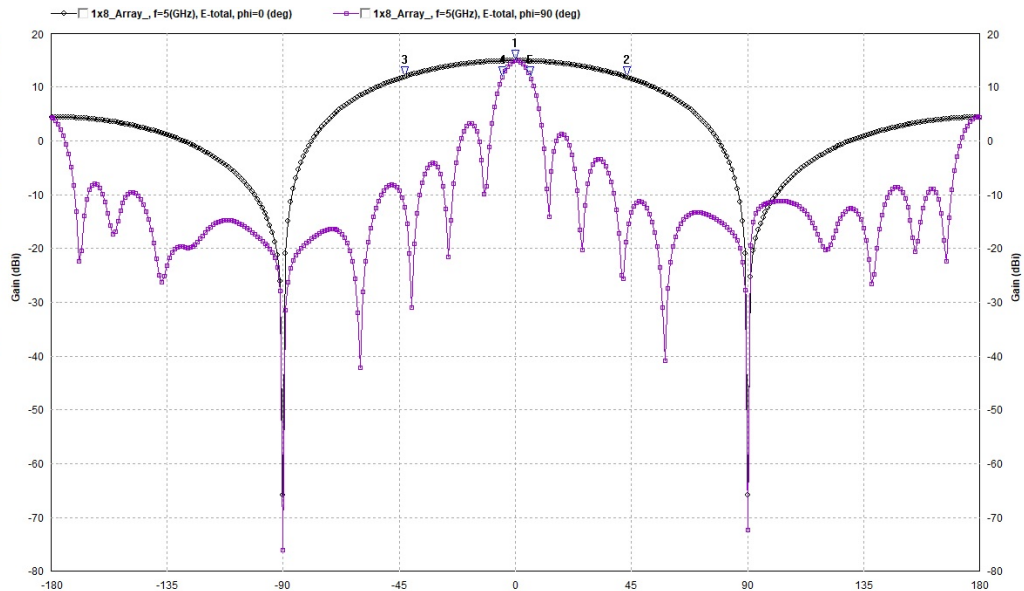
Selected Values

#	X	Y
1	-0.168697	14.9482
2	43.0178	11.9352
3	-43.0178	11.9347
4	-5.01896	11.9
5	5.73208	11.9

Difference Between Two Points
1 -1

$\phi < 0$
 $\phi > 0$

Additional Information



Simulate Radiation Pattern @ 5GHz

No Reference

Current Value
Line: N/A

X: N/A
Y: N/A

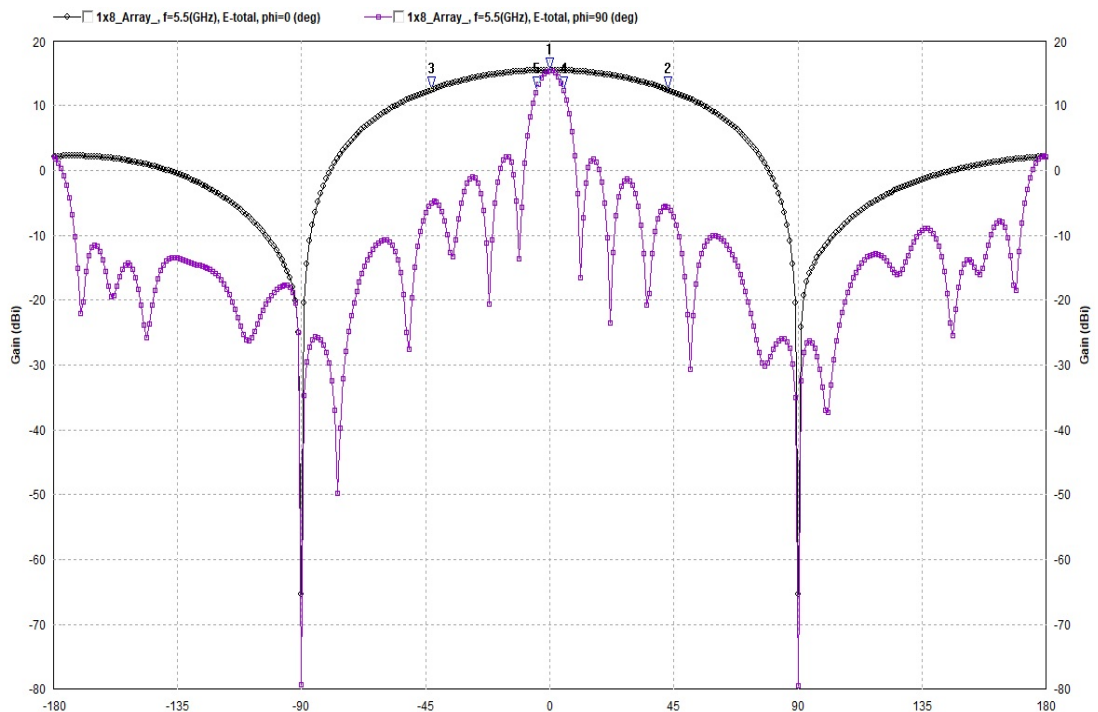
Selected Values

#	X	Y
1	-0.168697	15.412
2	42.8049	12.4
3	42.7925	12.4
4	4.93736	12.4
5	-4.70425	12.4

Difference Between Two Points
1 -1

$\phi < 0$
 $\phi > 0$

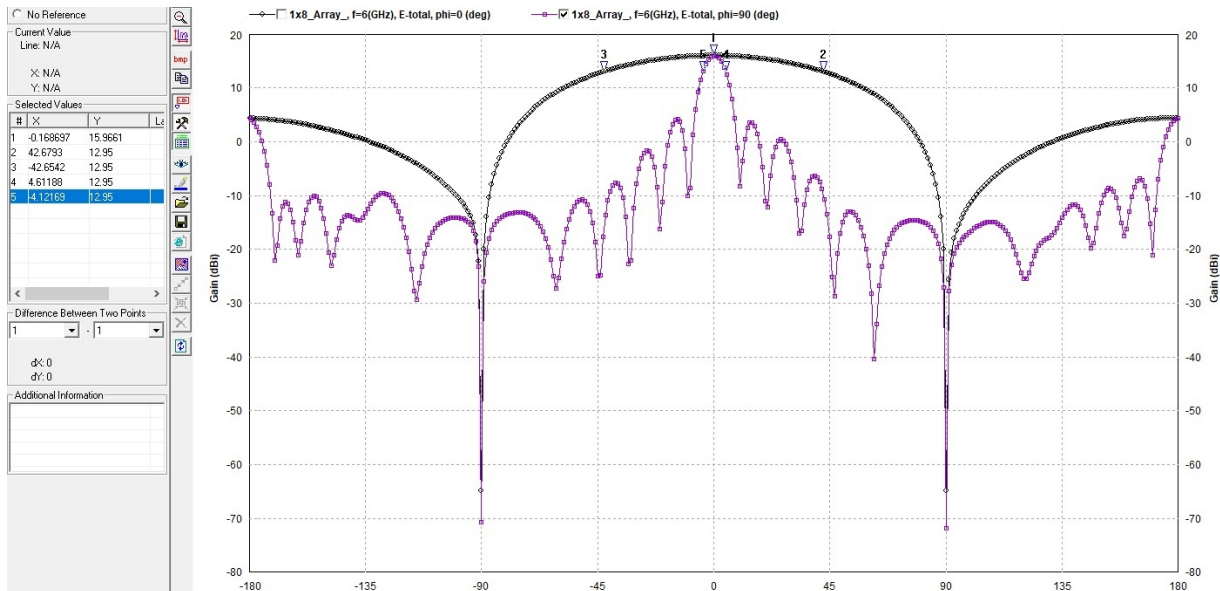
Additional Information



Simulate Radiation Pattern @ 5.5GHz

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Simulate Radiation Pattern @ 6 GHz

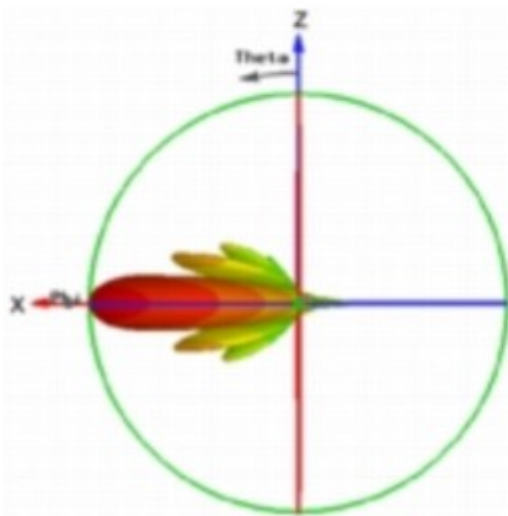


Measured Return loss @ 5-6GHz

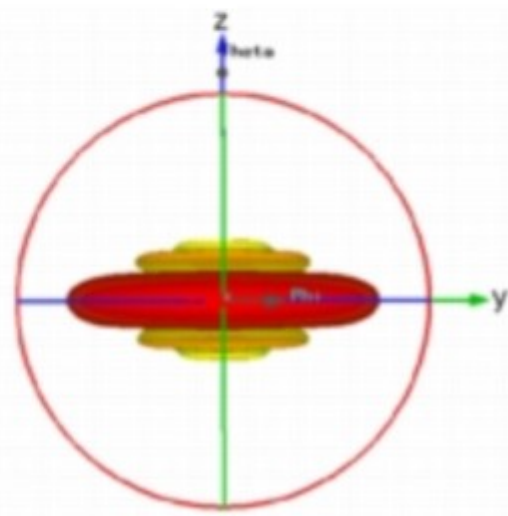
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Antenna orientation for pictorial reference only



(b) Sector Antenna 3D Pattern Side View



(c) Sector Antenna 3D Pattern Front View

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