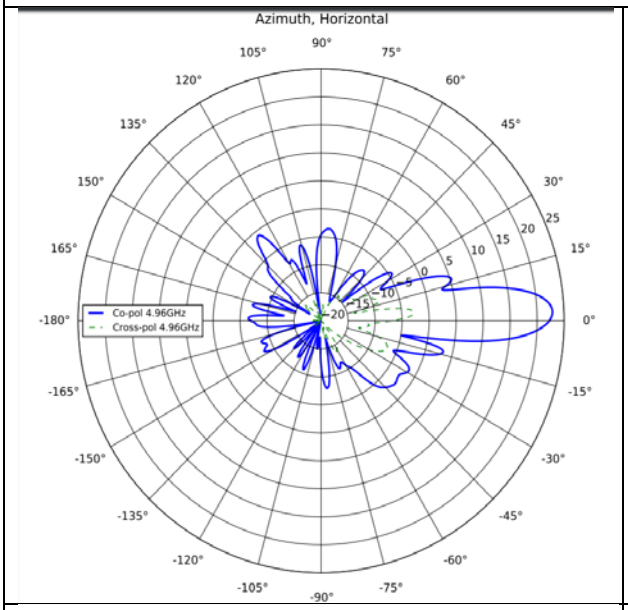
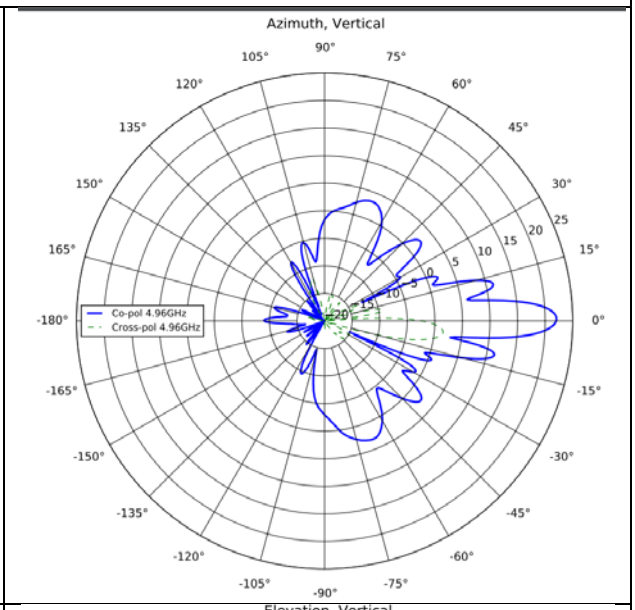
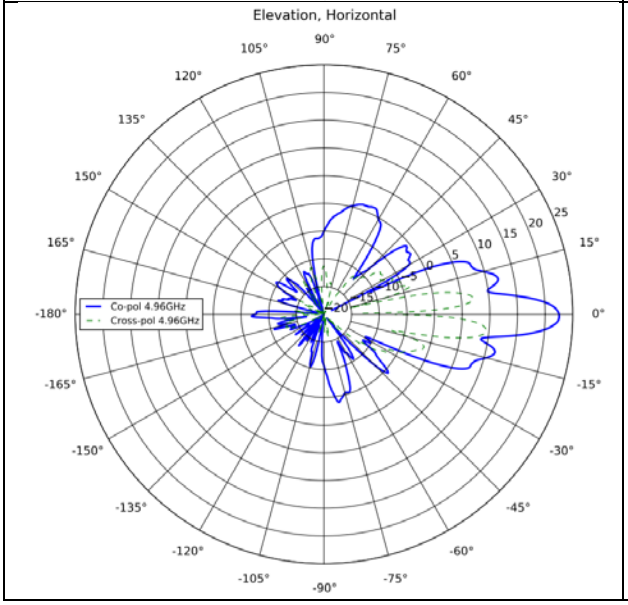
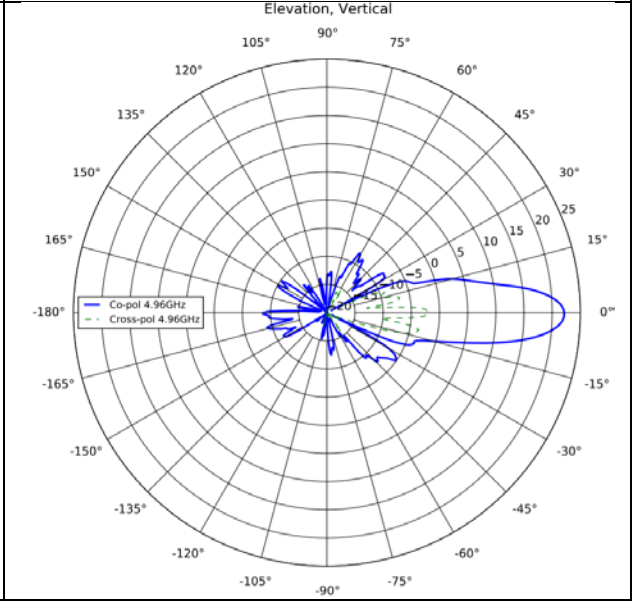
450B Antenna Patterns 24dBi

4996MHz

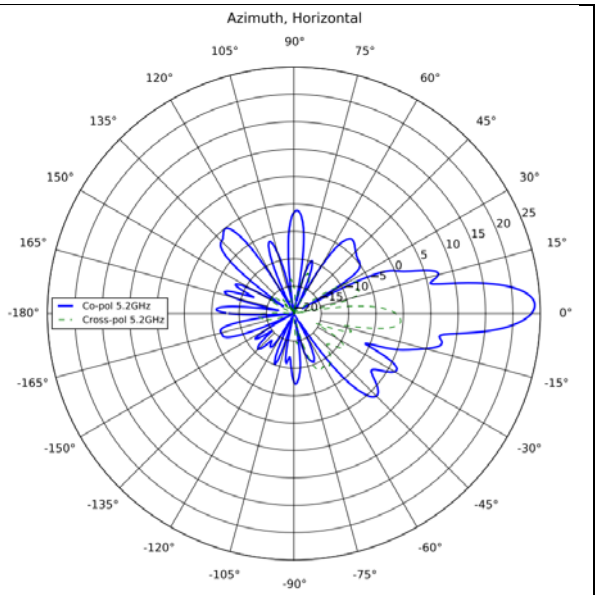


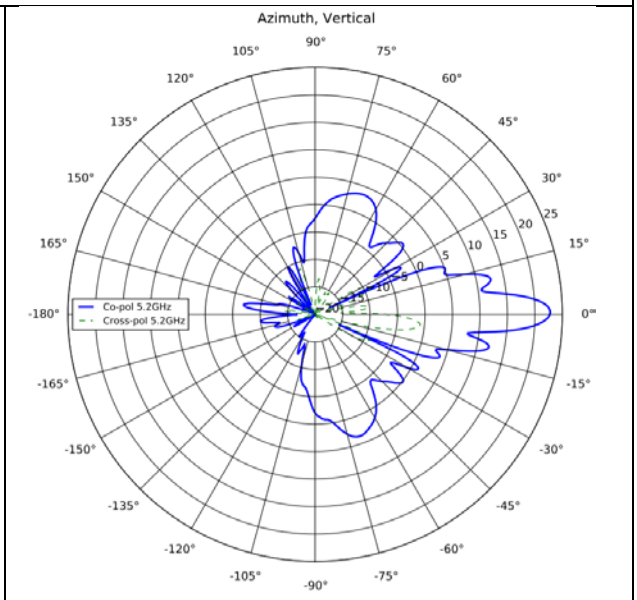


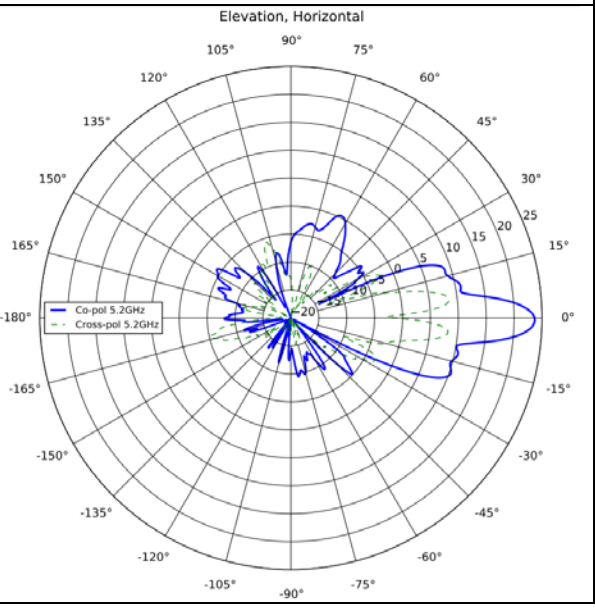


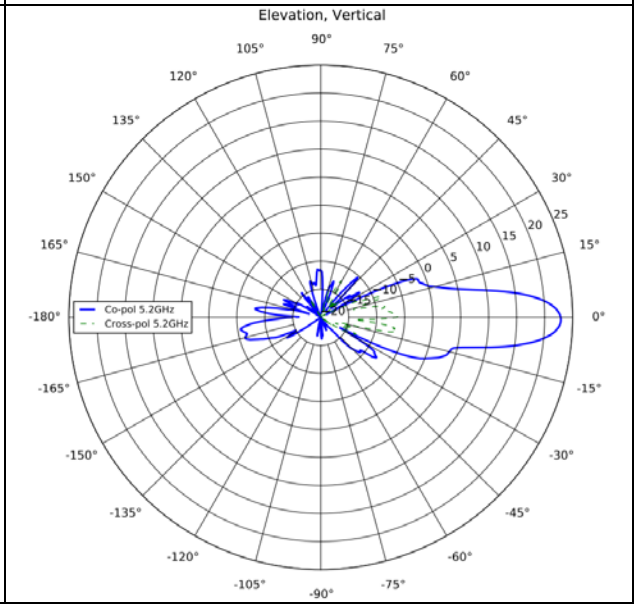


5200MHz

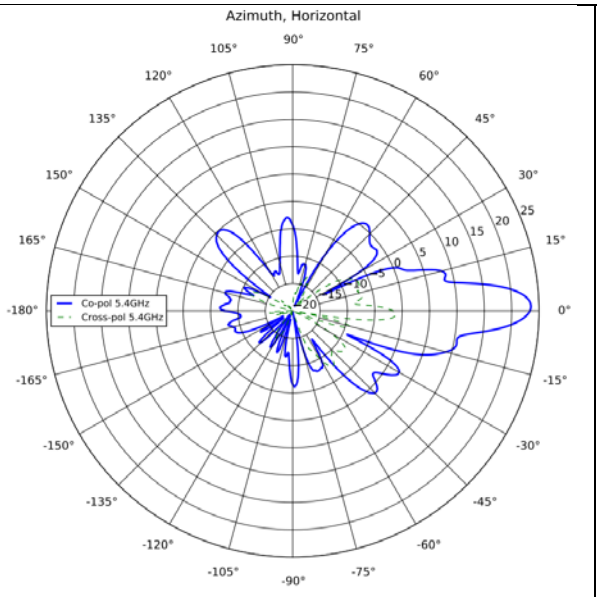

Azimuth, Horizontal
Co-pol 5.2GHz
Cross-pol 5.2GHz

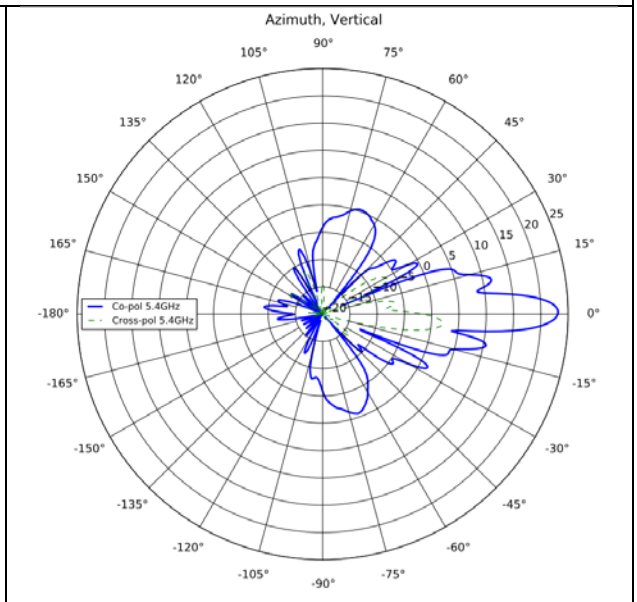

Azimuth, Vertical
Co-pol 5.2GHz
Cross-pol 5.2GHz

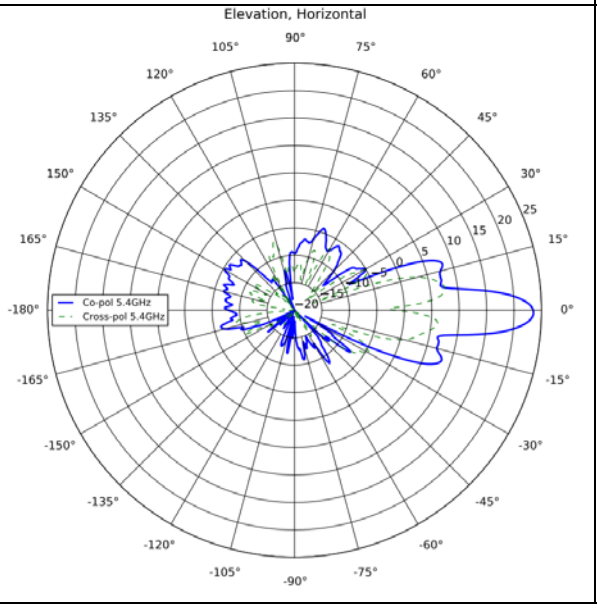

Elevation, Horizontal
Co-pol 5.2GHz
Cross-pol 5.2GHz

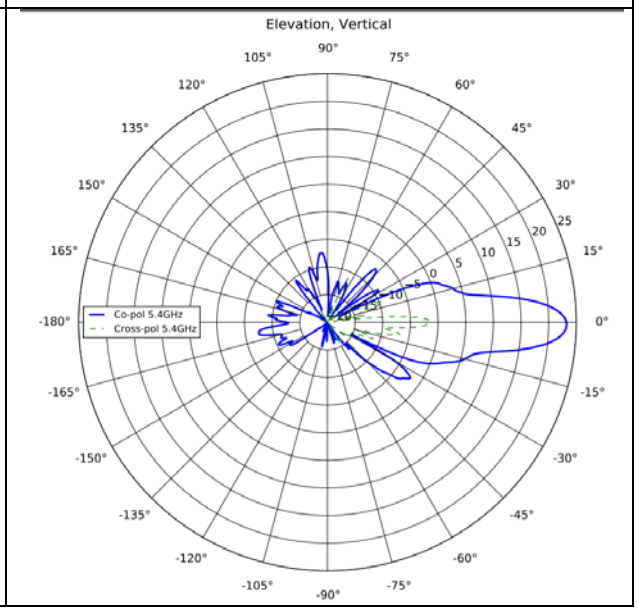

Elevation, Vertical
Co-pol 5.2GHz
Cross-pol 5.2GHz

5400MHz

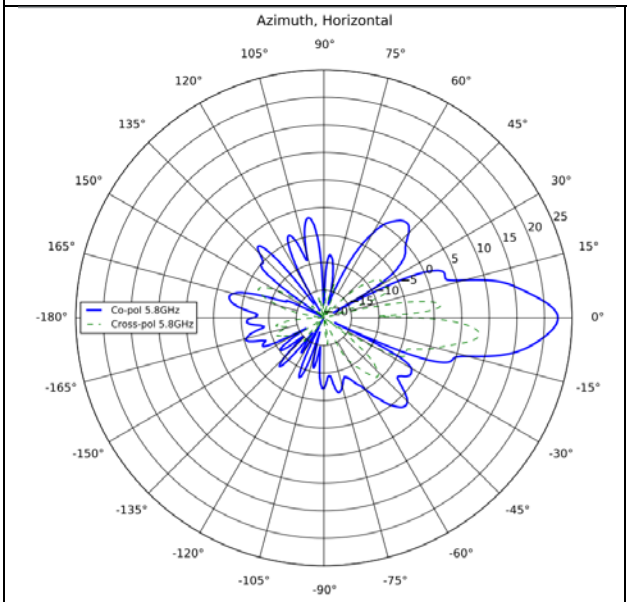

Azimuth, Horizontal
Co-pol 5.4GHz
Cross-pol 5.4GHz

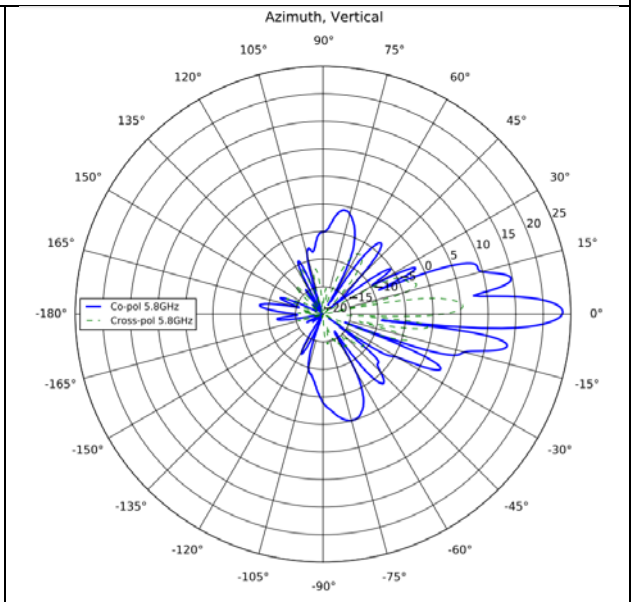

Azimuth, Vertical
Co-pol 5.4GHz
Cross-pol 5.4GHz

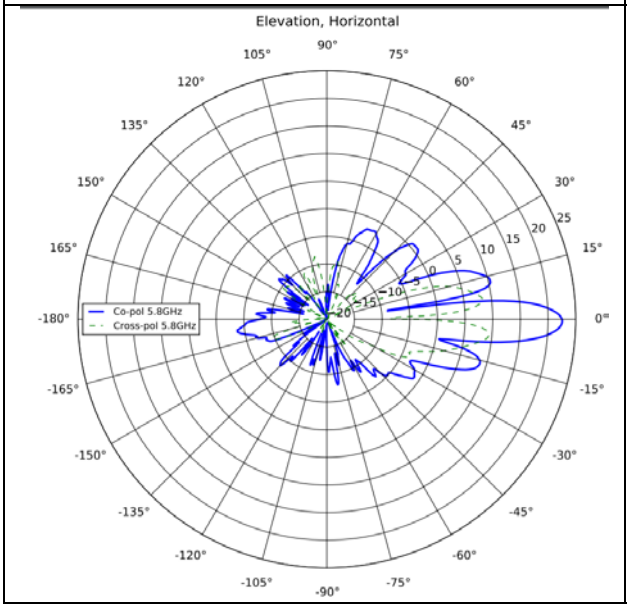

Elevation, Horizontal
Co-pol 5.4GHz
Cross-pol 5.4GHz

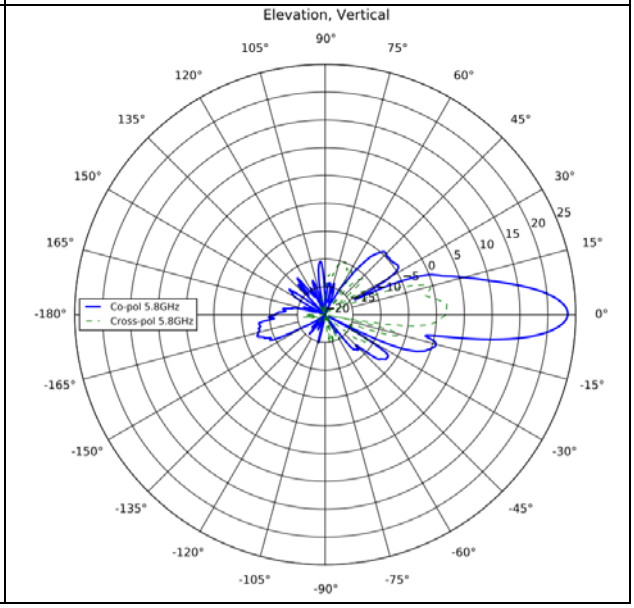

Elevation, Vertical
Co-pol 5.4GHz
Cross-pol 5.4GHz

5800MHz


Azimuth, Horizontal
Co-pol 5.8GHz
Cross-pol 5.8GHz


Azimuth, Vertical
Co-pol 5.8GHz
Cross-pol 5.8GHz

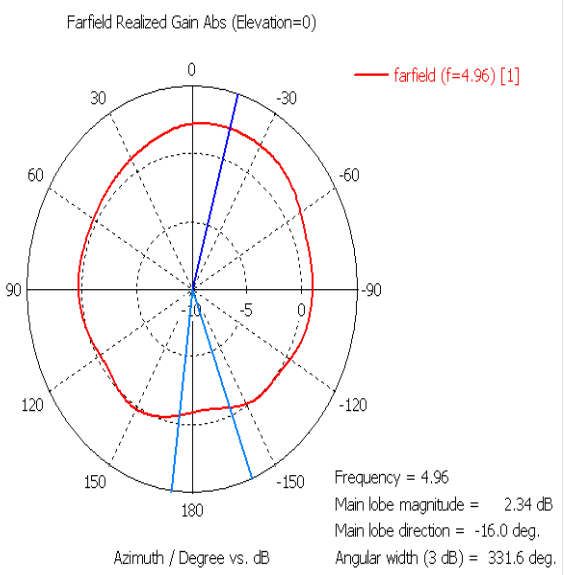

Elevation, Horizontal
Co-pol 5.8GHz
Cross-pol 5.8GHz


Elevation, Vertical
Co-pol 5.8GHz
Cross-pol 5.8GHz

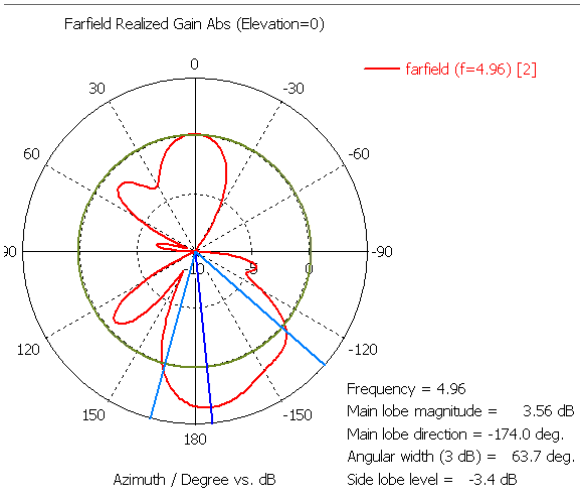
450B FEED ANTENNA PATTERNS 2dBi

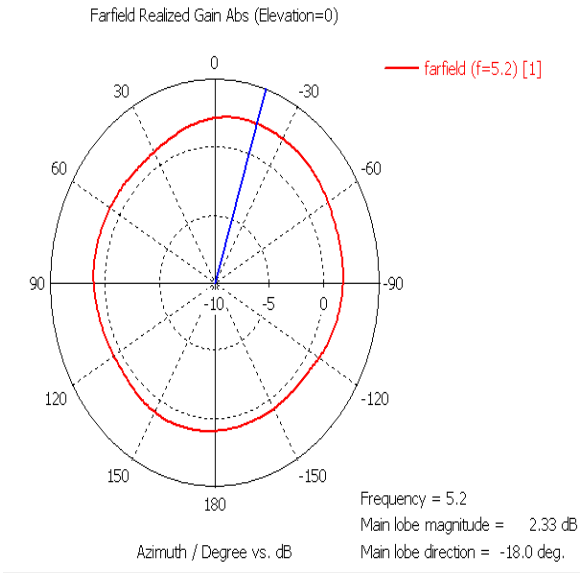
Azimuth

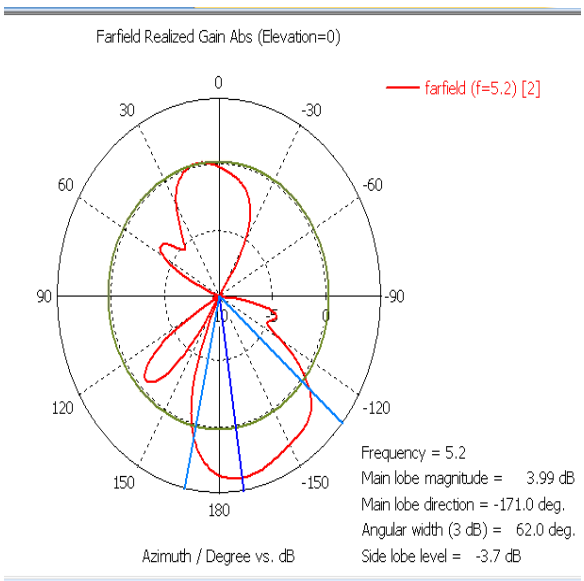
Vertical

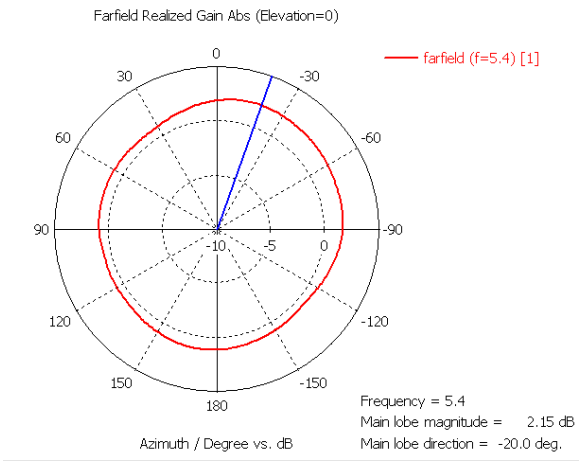


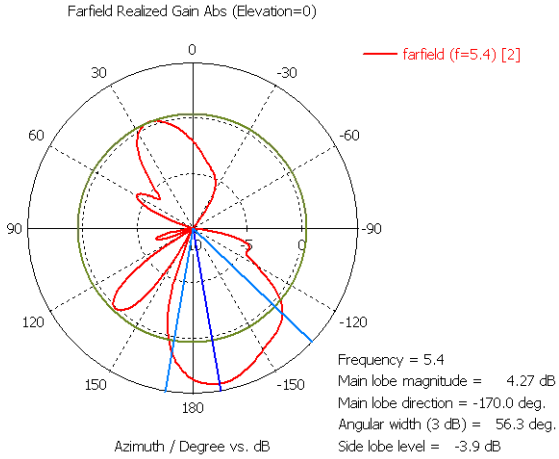
Horizontal

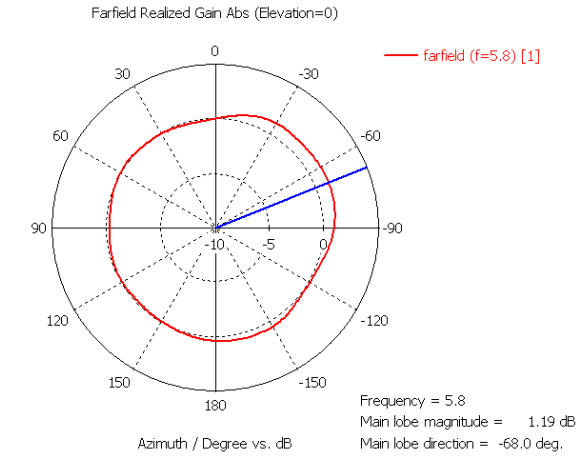


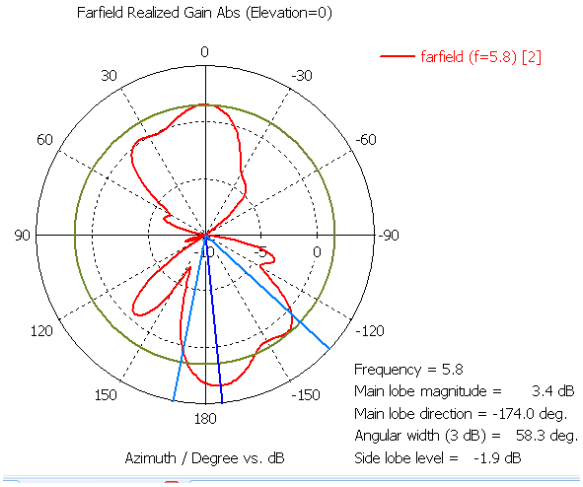





Farfield Realized Gain Abs (Elevation=0)
farfield (f=5.4) [1]
0
30
-30
60
-60
90
-90
120
-120
150
-150
180
-10
-5
0
Azimuth / Degree vs. dB
Frequency = 5.4
Main lobe magnitude = 2.15 dB
Main lobe direction = -20.0 deg.

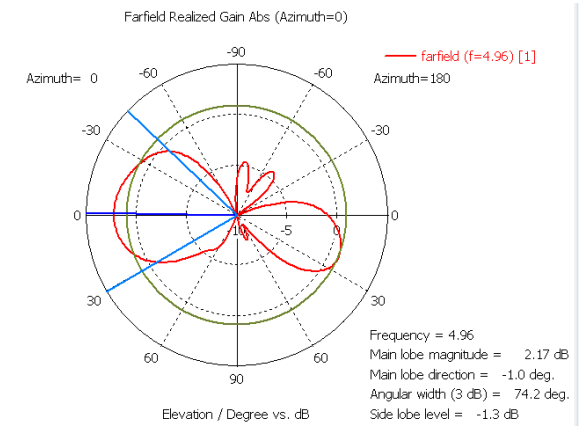

Farfield Realized Gain Abs (Elevation=0)
farfield (f=5.4) [2]
0
30
-30
60
-60
90
-90
120
-120
150
-150
180
-10
-5
0
Azimuth / Degree vs. dB
Frequency = 5.4
Main lobe magnitude = 4.27 dB
Main lobe direction = -170.0 deg.
Angular width (3 dB) = 56.3 deg.
Side lobe level = -3.9 dB

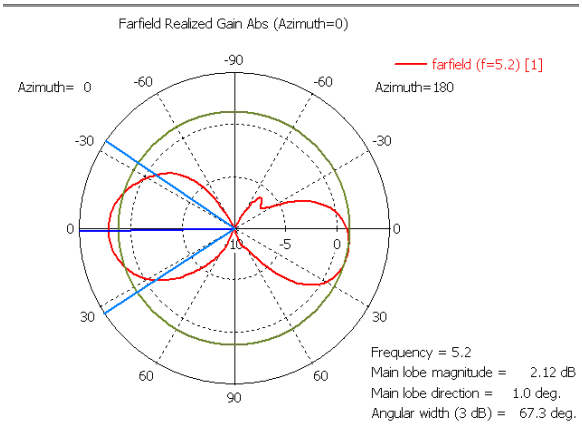

Farfield Realized Gain Abs (Elevation=0)
farfield (f=5.8) [1]
0
30
-30
60
-60
90
-90
120
-120
150
-150
180
-10
-5
0
Azimuth / Degree vs. dB
Frequency = 5.8
Main lobe magnitude = 1.19 dB
Main lobe direction = -68.0 deg.

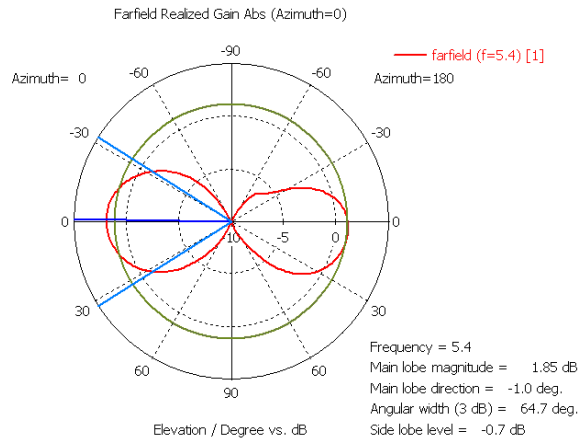

Farfield Realized Gain Abs (Elevation=0)
farfield (f=5.8) [2]
0
30
-30
60
-60
90
-90
120
-120
150
-150
180
-10
-5
0
Azimuth / Degree vs. dB
Frequency = 5.8
Main lobe magnitude = 3.4 dB
Main lobe direction = -174.0 deg.
Angular width (3 dB) = 58.3 deg.
Side lobe level = -1.9 dB

Elevation

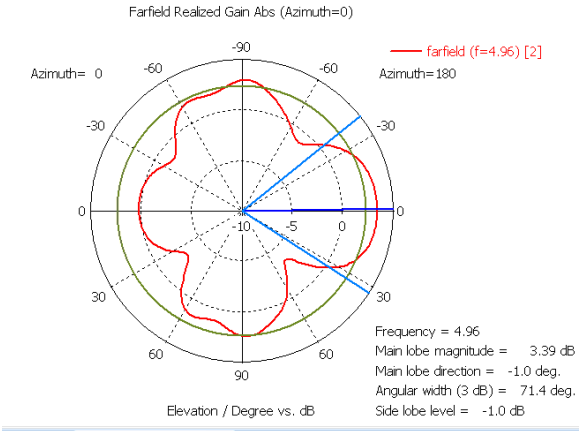
Vertical

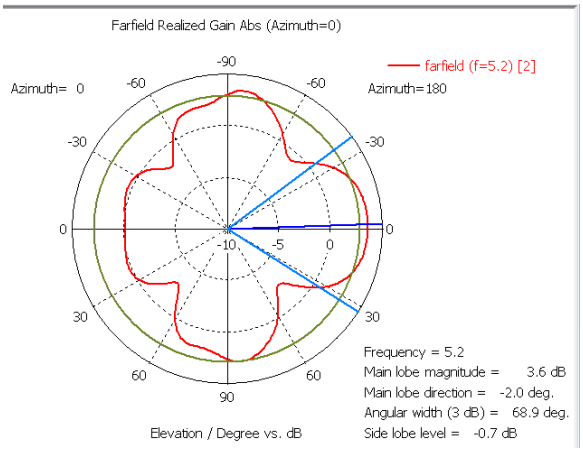


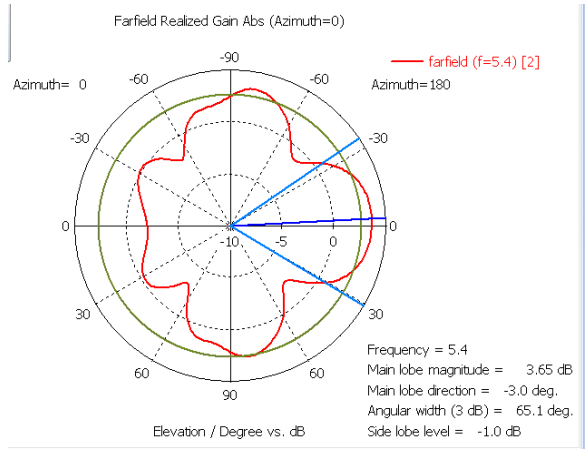


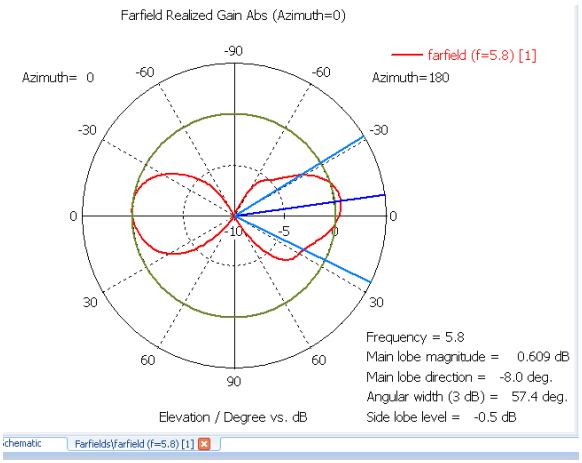


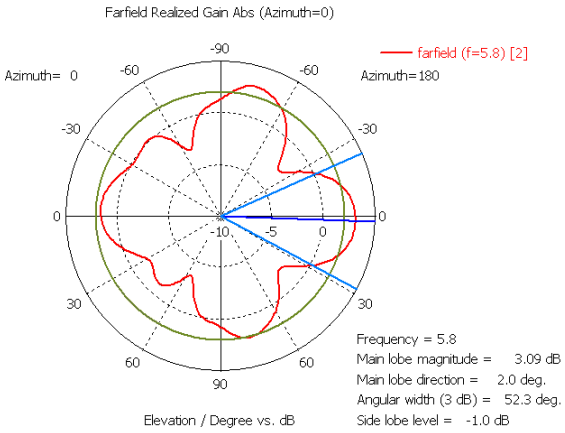
Horizontal








Farfield Realized Gain Abs (Azimuth=0)
farfield (f=5.8) [1]
Azimuth= 0
Azimuth=180
-90
-60
-30
0
30
60
90
-10
-5
0
Elevation / Degree vs. dB
Frequency = 5.8
Main lobe magnitude = 0.609 dB
Main lobe direction = -8.0 deg.
Angular width (3 dB) = 57.4 deg.
Side lobe level = -0.5 dB
chematic
Farfields\farfield (f=5.8) [1]


Farfield Realized Gain Abs (Azimuth=0)
farfield (f=5.8) [2]
Azimuth= 0
Azimuth=180
-90
-60
-30
0
30
60
90
-10
-5
0
Elevation / Degree vs. dB
Frequency = 5.8
Main lobe magnitude = 3.09 dB
Main lobe direction = 2.0 deg.
Angular width (3 dB) = 52.3 deg.
Side lobe level = -1.0 dB