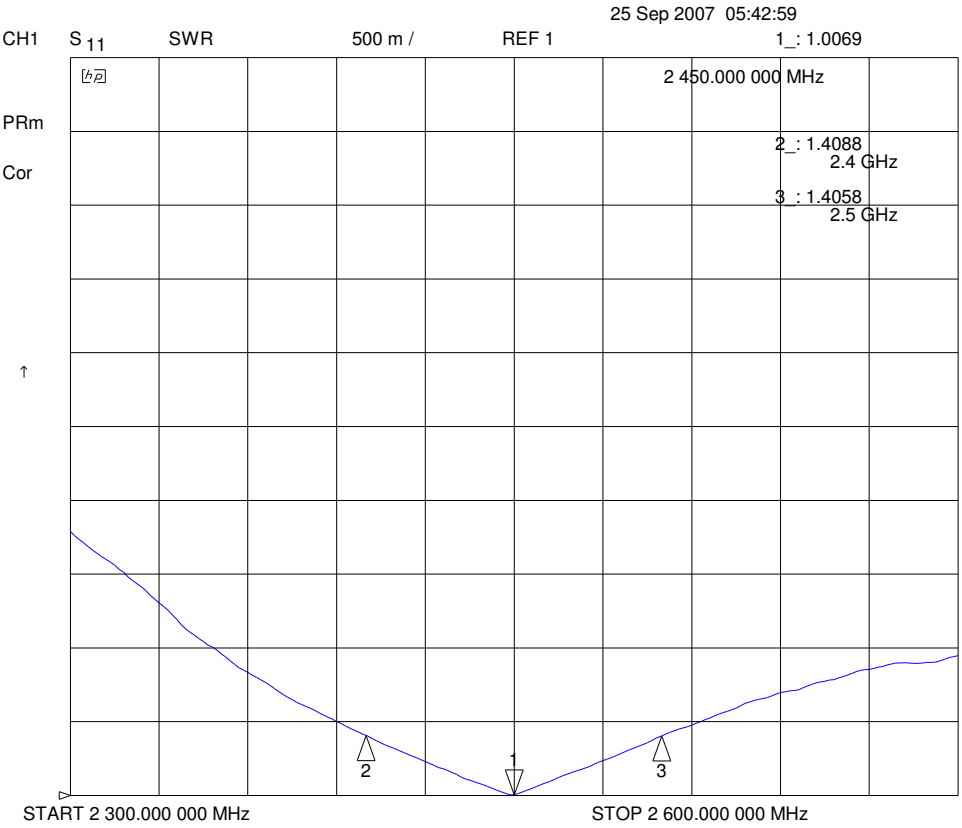
MAXRAD 2.4GHz Fiberglass Omnidirectional Antennas

The purpose of this report is to document the measured test results of the MAXRAD fiberglass omnidirectional antennas MFB24006 and MFB24008. The measurements performed were for VSWR, radiation pattern, and gain values. The VSWR measurements were taken using a calibrated Agilent HP8753D RF Network Analyzer. The radiation patterns and gain measurements were taken using the PCTEL Broadband Technology Group Far Field Antenna Range and Anechoic Chamber. The gain values for the antenna patterns were determined by the comparison method (comparing the antenna under test to a known gain standard). If there are any questions regarding the data or the test setup, contact us and we will answer any questions you have. The descriptions for the MAXRAD part numbers are as follows:

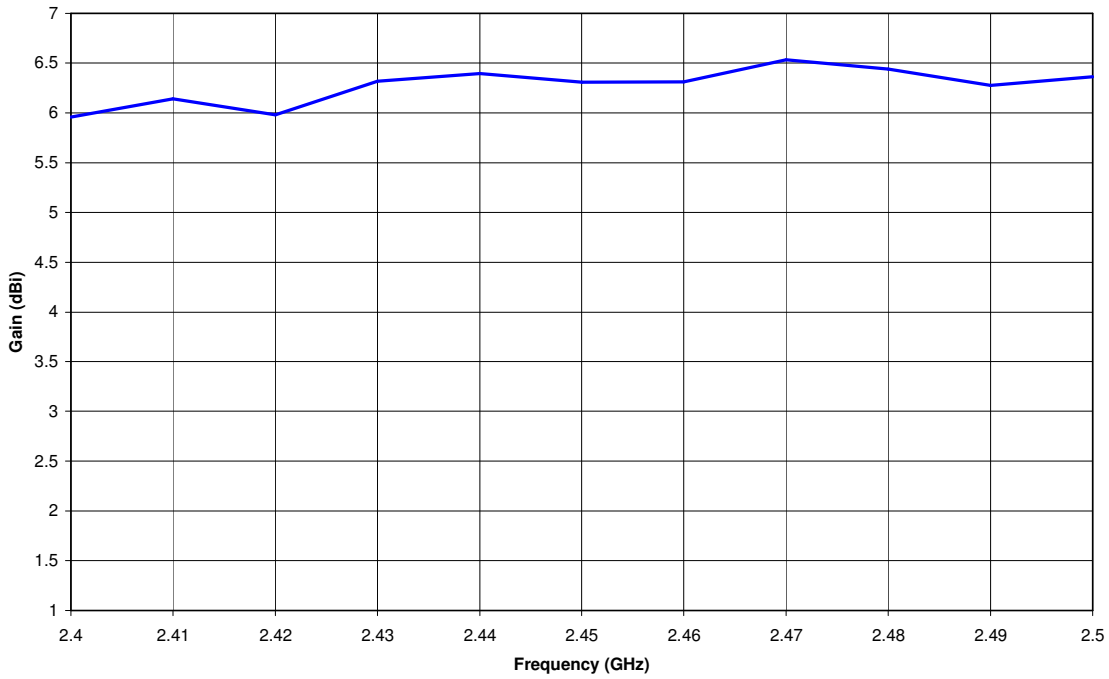
MFB24006 – 2.4-2.484GHz, 6 dBi Fiberglass Omnidirectional Antenna

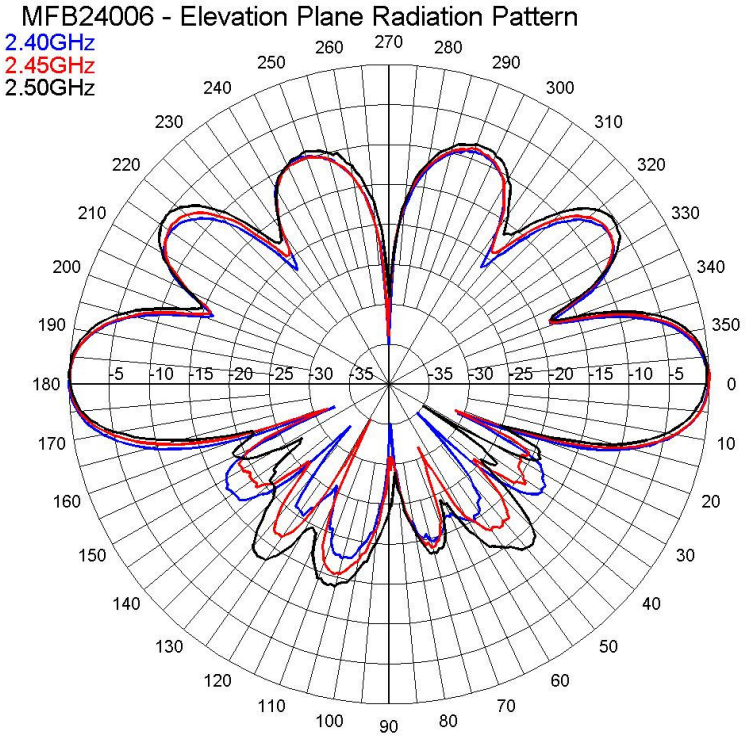
MFB24008 – 2.4-2.484GHz, 8 dBi Fiberglass Omnidirectional Antenna

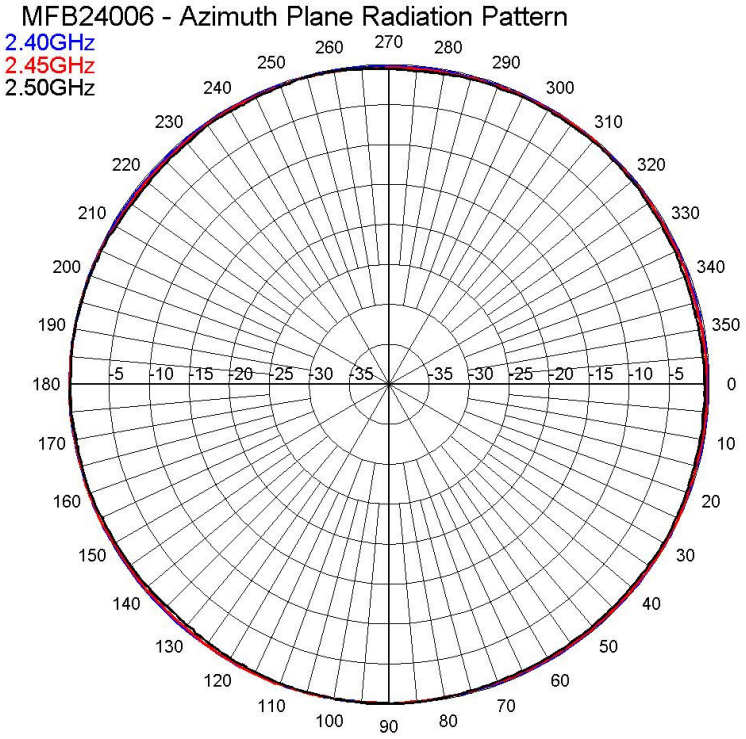


MFB24006 – VSWR vs Frequency

MAXRAD MFB24006 - Gain vs Frequency




MFB24006 - Elevation Plane Radiation Pattern
2.40GHz
2.45GHz
2.50GHz
270
280
290
300
310
320
330
340
350
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
-5
-10
-15
-20
-25
-30
-35


MFB24006 - Azimuth Plane Radiation Pattern
2.40GHz
2.45GHz
2.50GHz
270
280
290
300
310
320
330
340
350
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
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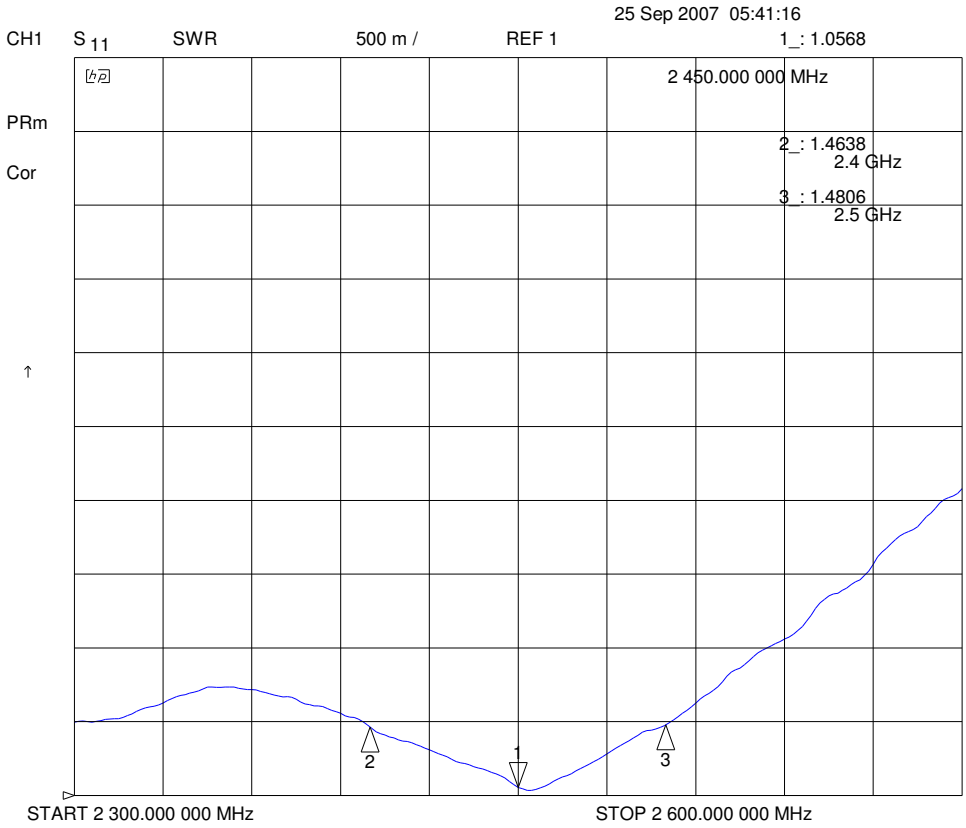
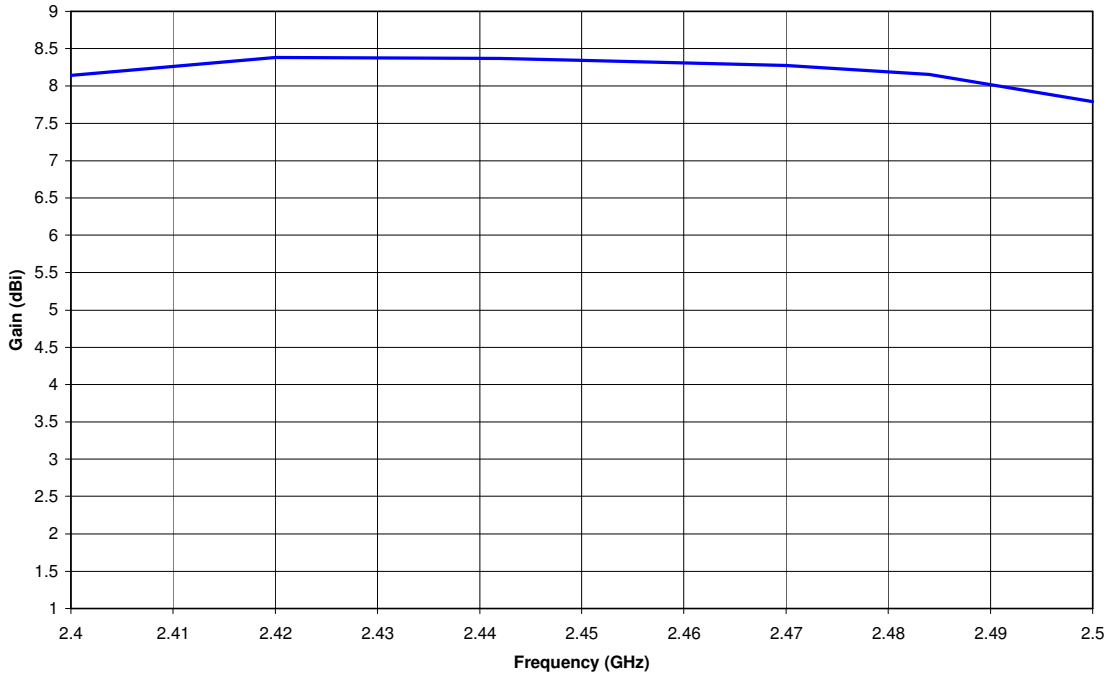
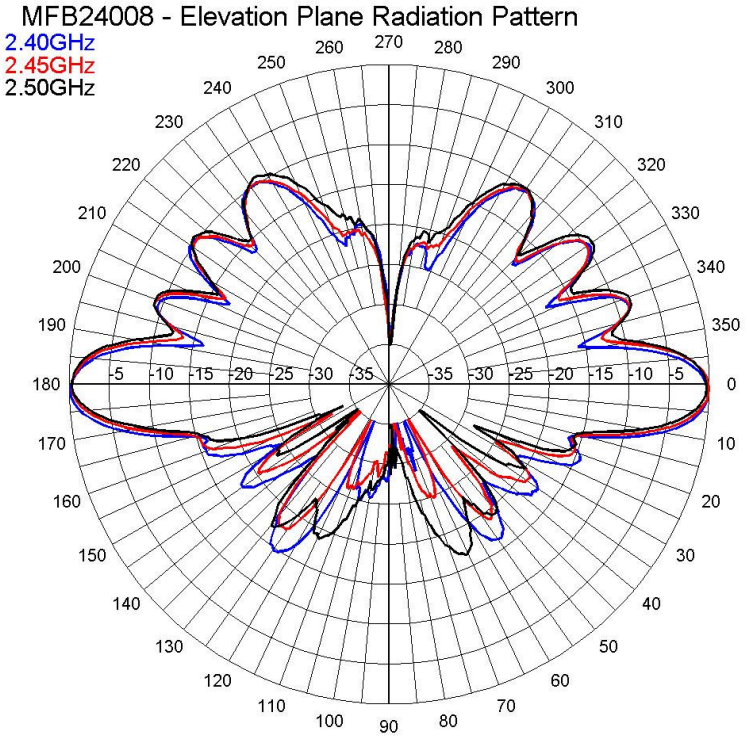
-25
-20
-15
-10
-5



MFB24008 – VSWR vs Frequency

MAXRAD MFB24008 Antenna - Gain vs Frequency




MFB24008 - Elevation Plane Radiation Pattern
2.40GHz
2.45GHz
2.50GHz
270
280
290
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320
330
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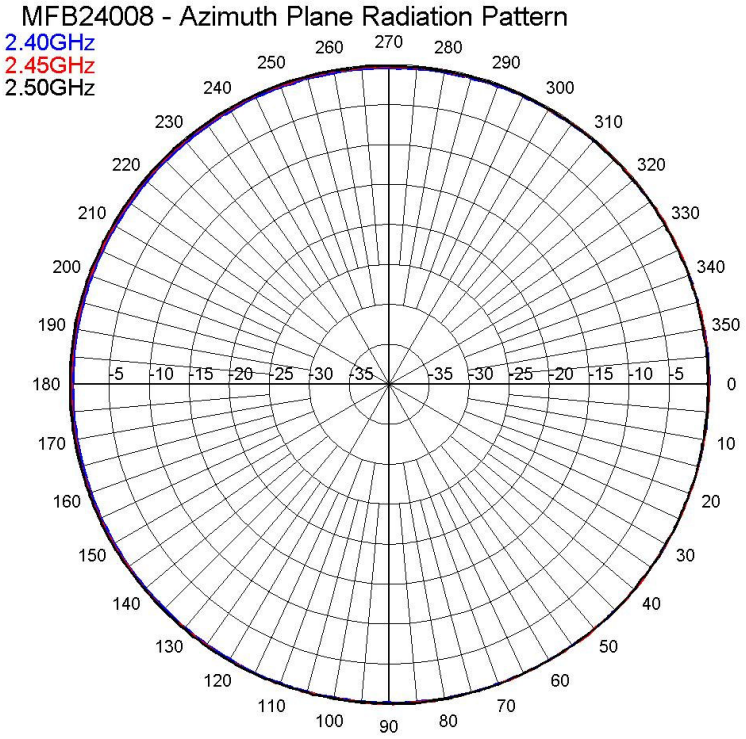
MFB24008 - Azimuth Plane Radiation Pattern
2.40GHz
2.45GHz
2.50GHz
270
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