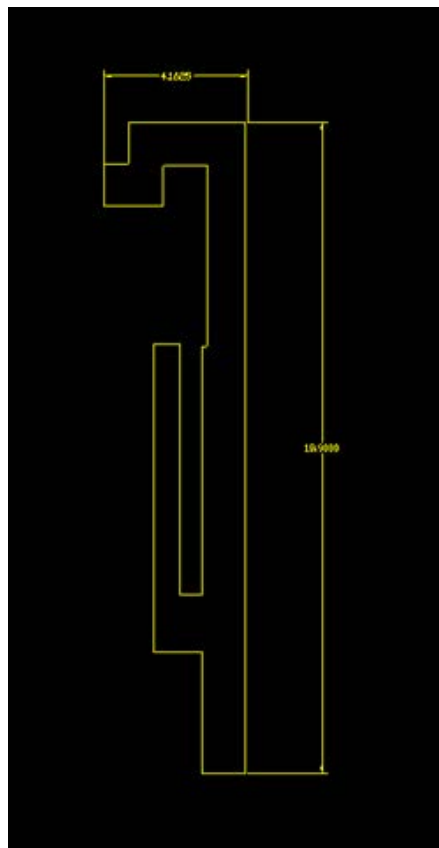


# Antenna Specification

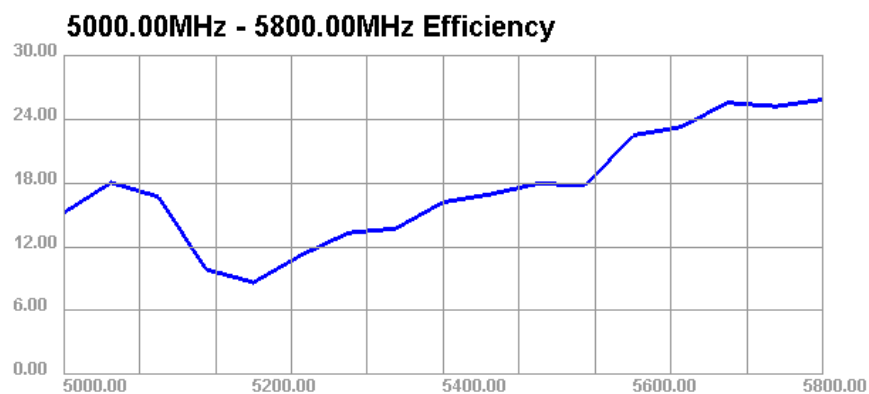
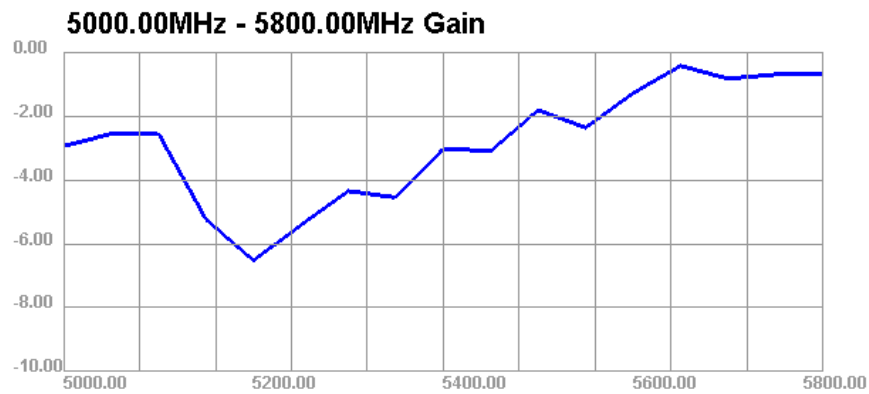
|            |                       |              |              |              |
|------------|-----------------------|--------------|--------------|--------------|
| Item:      | Antenna Specification |              |              |              |
| Model No.: | BY969-5G              |              |              |              |
| Ant. Type: | PCB Antenna           |              |              |              |
| Frequency: | 5150~5250MHz          | 5250~5350MHz | 5470~5725MHz | 5725~5850MHz |
| Gain:      | -5.24dBi              | -4.31dBi     | -0.42dBi     | -0.66dBi     |
| Max. Gain: | -0.42dBi              |              |              |              |
| Impedance: | 50Ω                   |              |              |              |
| Date:      | 2024-11-02            |              |              |              |

## Antenna Dimensions



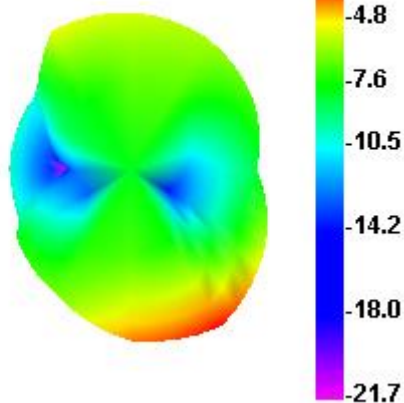
## Gain and Efficiency

| Freq<br>(MHz) | Effi<br>(%) | Gain<br>(dBi) |
|---------------|-------------|---------------|
| 5000          | 15.2        | -2.94         |
| 5050          | 18.04       | -2.55         |
| 5100          | 16.71       | -2.55         |
| 5150          | 9.88        | -5.24         |
| 5200          | 8.66        | -6.52         |
| 5250          | 11.22       | -5.41         |
| 5300          | 13.31       | -4.34         |
| 5350          | 13.72       | -4.55         |
| 5400          | 16.21       | -3.02         |
| 5450          | 16.95       | -3.09         |
| 5500          | 17.95       | -1.81         |
| 5550          | 17.77       | -2.36         |
| 5600          | 22.48       | -1.28         |
| 5650          | 23.27       | -0.42         |
| 5700          | 25.54       | -0.83         |
| 5750          | 25.21       | -0.69         |
| 5800          | 25.83       | -0.66         |

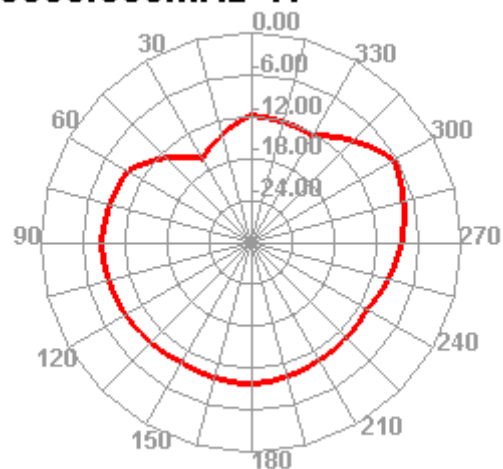


## Radiation Pattern

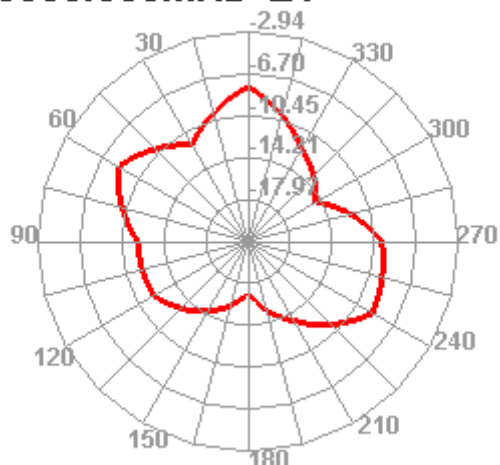
5000.000MHz



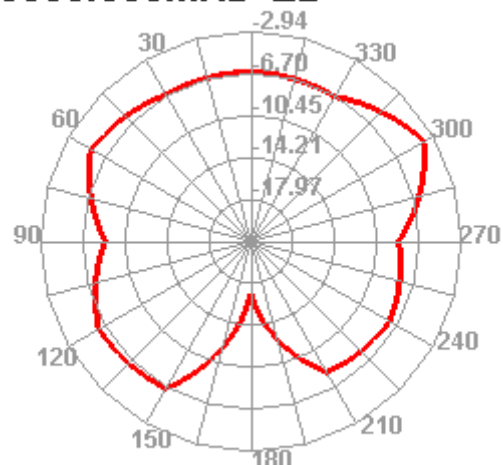
5000.000MHz H



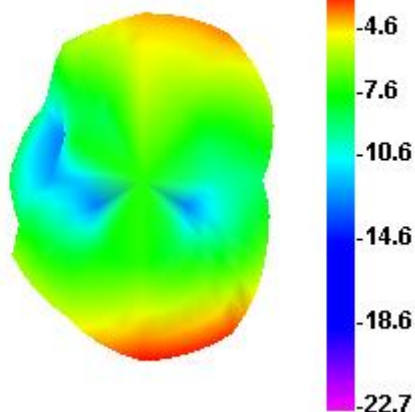
5000.000MHz E1



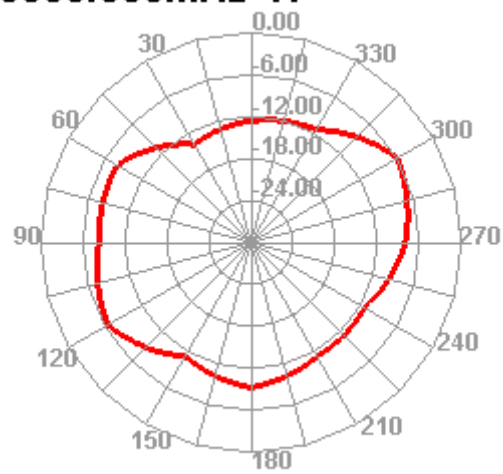
5000.000MHz E2



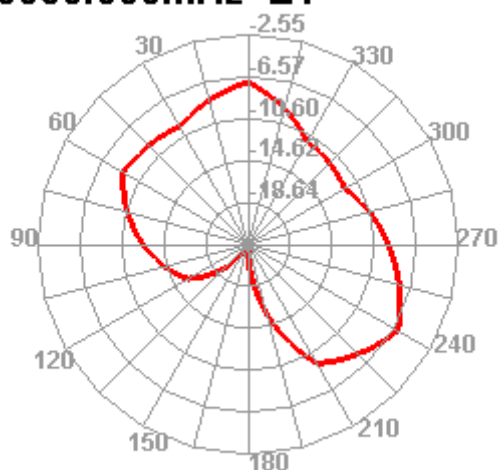
5050.000MHz



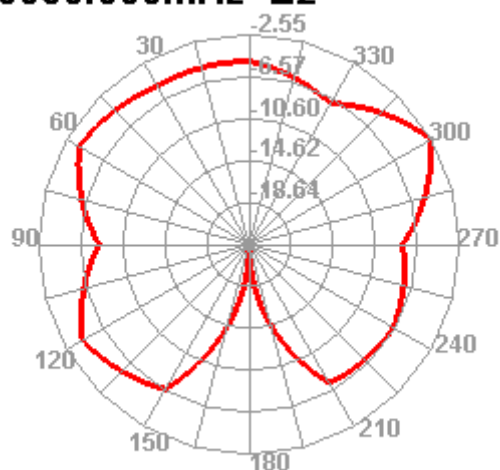
5050.000MHz H



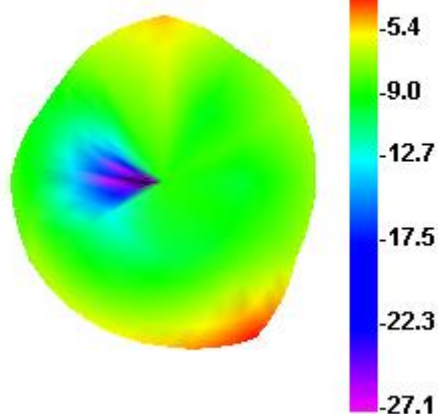
5050.000MHz E1



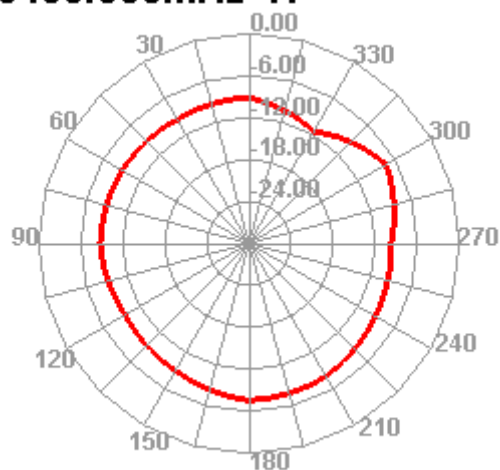
5050.000MHz E2



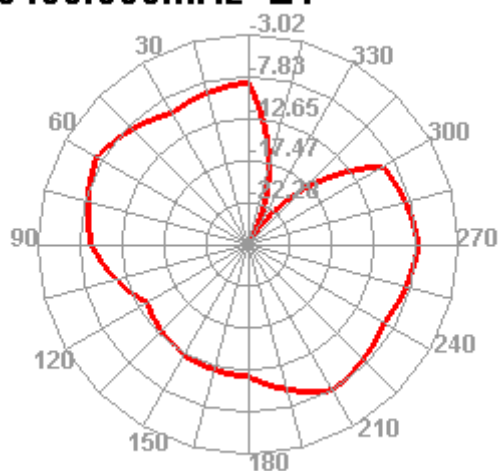
5400.000MHz



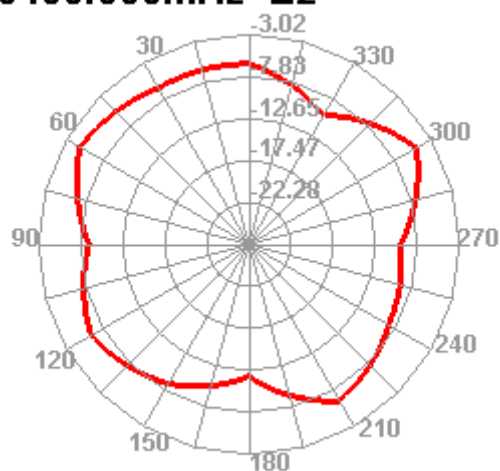
5400.000MHz H



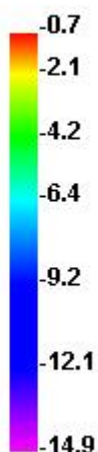
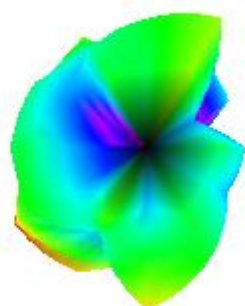
5400.000MHz E1



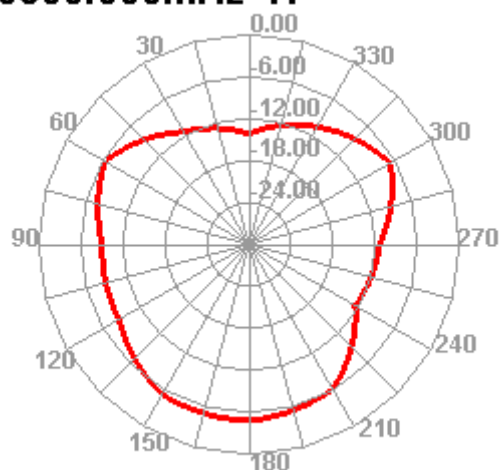
5400.000MHz E2



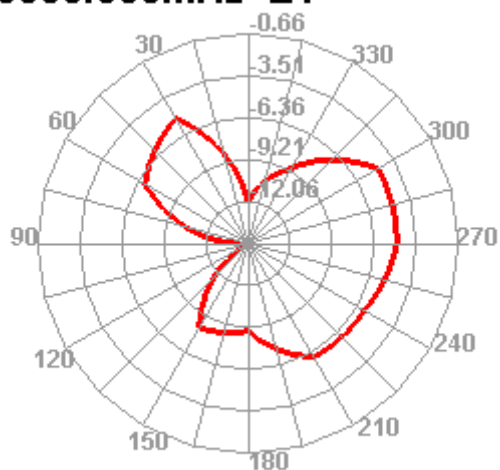
5800.000MHz



5800.000MHz H



5800.000MHz E1



5800.000MHz E2

