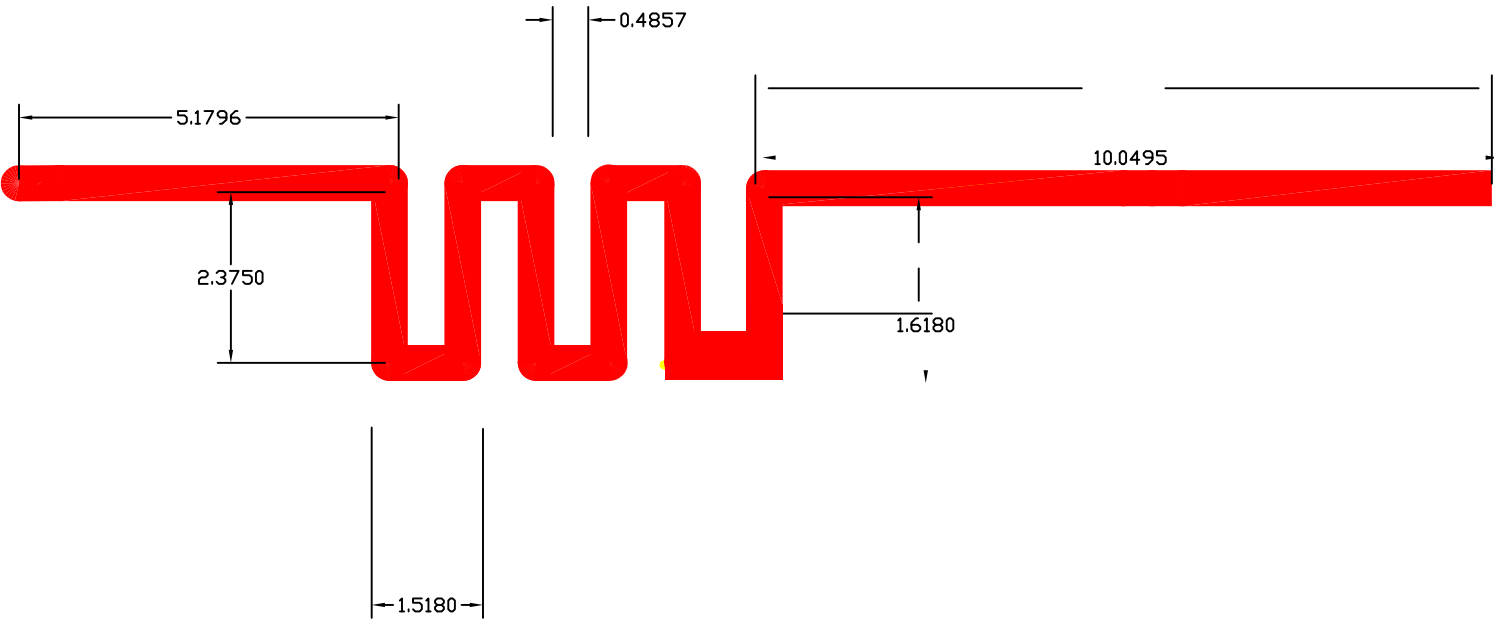


# ANTENNA SPECIFICATION

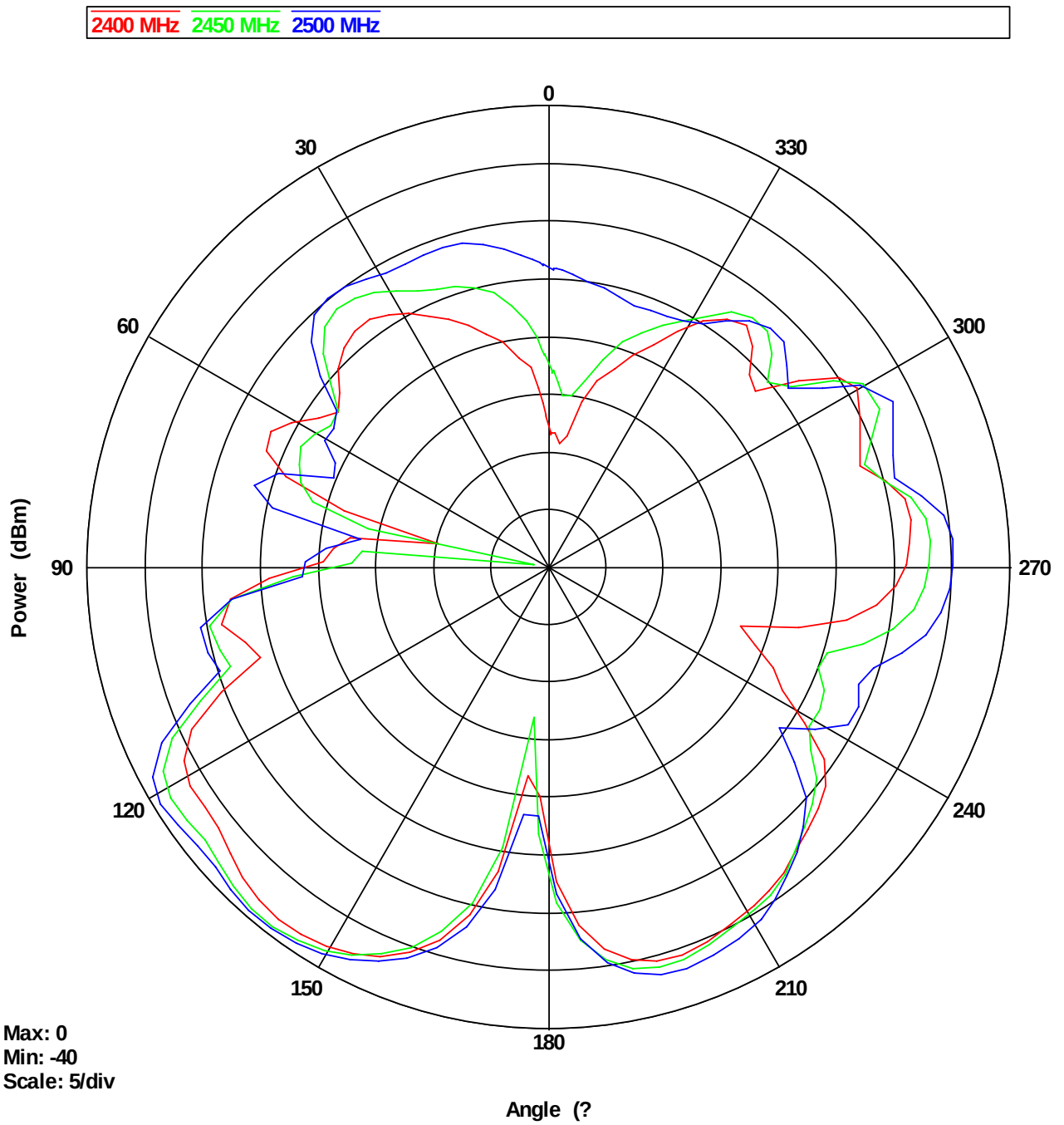
## Summary

| ITEM                 | ANT SPEC.                 |         |         |          |         |         |
|----------------------|---------------------------|---------|---------|----------|---------|---------|
| Model Name           | 2.4G ANT1                 |         |         |          |         |         |
| Center Frequency     | Horizontal                |         |         | Vertical |         |         |
|                      | 2400MHz                   | 2450MHz | 2500MHz | 2400MHz  | 2450MHz | 2500MHz |
|                      | -1.66                     | -0.84   | -0.61   | -6.16    | -3.65   | -2.21   |
| MAX. Gain            | -0.61dBi                  |         |         |          |         |         |
| Polarization         | Horizontal and Vertical   |         |         |          |         |         |
| Azimuth Beam Pattern | Omni-directional          |         |         |          |         |         |
| Impedance            | 50 Ohm                    |         |         |          |         |         |
| Antenna Length       | 32.1mm                    |         |         |          |         |         |
| Manufacture          | Mosart Semiconductor Corp |         |         |          |         |         |

## Antenna Photo & Length (mm)



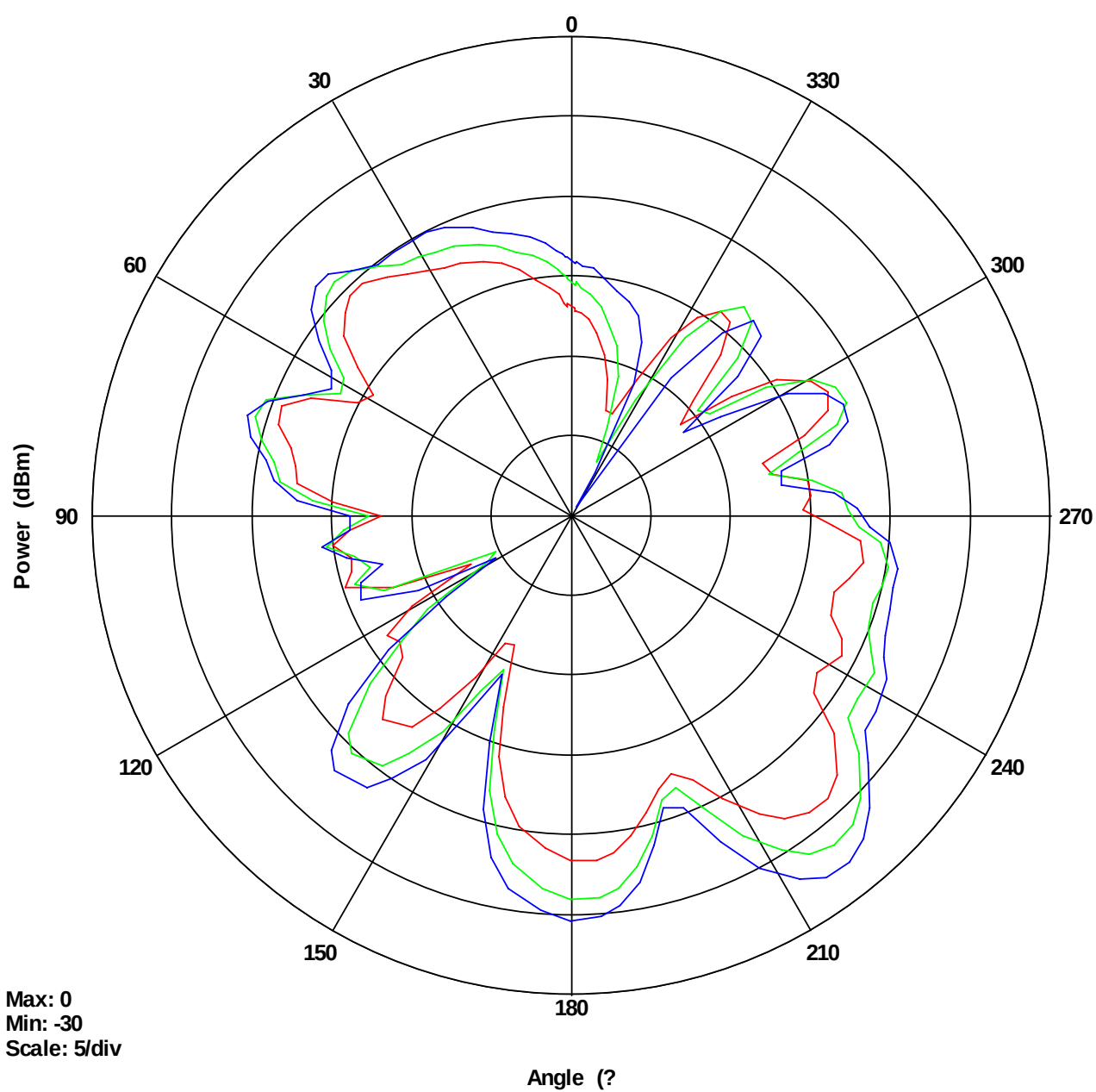
Horizontal:



| Frequency<br>(MHz) | Gain(dBi) |          |          |
|--------------------|-----------|----------|----------|
|                    | Max.      | Min.     | Avg.     |
| 2400               | -1.66179  | -30.2813 | -8.78713 |
| 2450               | -0.847811 | -38.7595 | -7.87812 |
| 2500               | -0.615596 | -23.6329 | -6.99139 |

Vertical:

2400 MHz 2450 MHz 2500 MHz



| Frequency<br>(MHz) | Gain(dBi) |          |          |
|--------------------|-----------|----------|----------|
|                    | Max.      | Min.     | Avg.     |
| 2400               | -6.1623   | -23.1425 | -12.5295 |
| 2450               | -3.6534   | -26.2866 | -10.6699 |
| 2500               | -2.21101  | -29.4381 | -9.58526 |