

Part number: *MTL-122*

Description: *RF TRACE ANT 2.4GHz 50 Ohm*

Type: *Meandered Monopole Trace Antenna*

Frequency (Center/Band): *2.4GHz*

Impedance: *50 Ohms*

Gain:

| Frequency (Mhz) | Peak Gain (dBi) |
|-----------------|-----------------|
| <i>2402 MHz</i> | <i>-0.53</i> |
| <i>2440 MHz</i> | <i>-1.67</i> |
| <i>2480 MHz</i> | <i>-1.50</i> |

Return Loss:

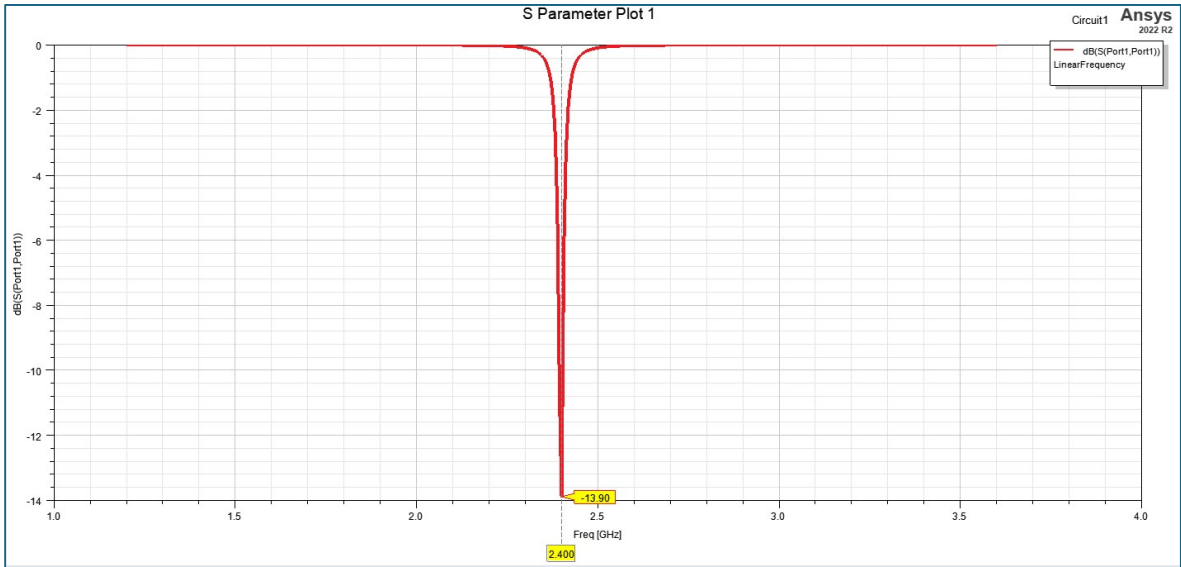
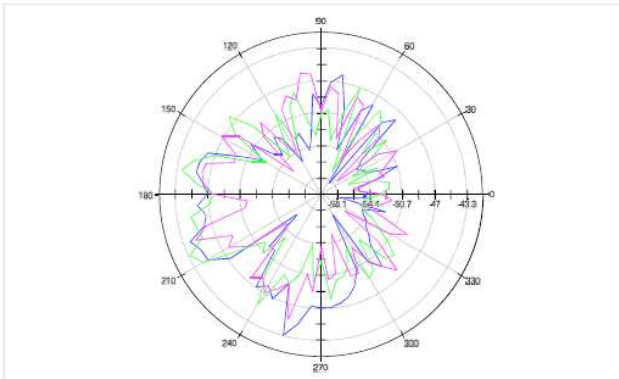


Figure 1: Return Loss

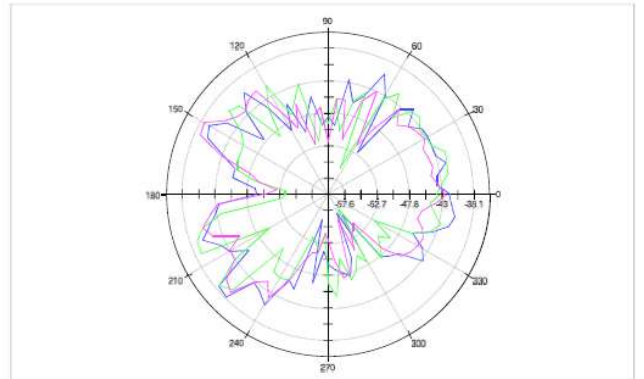
2D Antenna Pattern:

Azimuth Chart: Vertical



Frequency 2402,000 MHz [dB]
Frequency 2440,000 MHz [dB]
Frequency 2480,000 MHz [dB]

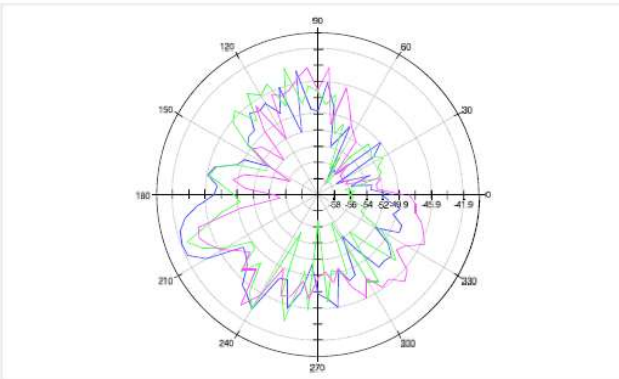
Azimuth Chart: Horizontal



Frequency 2402,000 MHz [dB]
Frequency 2440,000 MHz [dB]
Frequency 2480,000 MHz [dB]

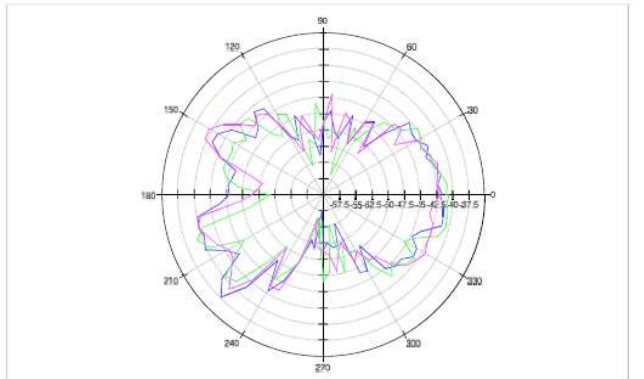
Figure 2: 2D antenna pattern, EUT flat, vertical and horizontal receive polarization respectively

Azimuth Chart: Vertical



Frequency 2402,000 MHz [dB]
Frequency 2440,000 MHz [dB]
Frequency 2480,000 MHz [dB]

Azimuth Chart: Horizontal



Frequency 2402,000 MHz [dB]
Frequency 2440,000 MHz [dB]
Frequency 2480,000 MHz [dB]

Figure 3: 2D antenna pattern, EUT horizontal, vertical and horizontal receive polarization respectively

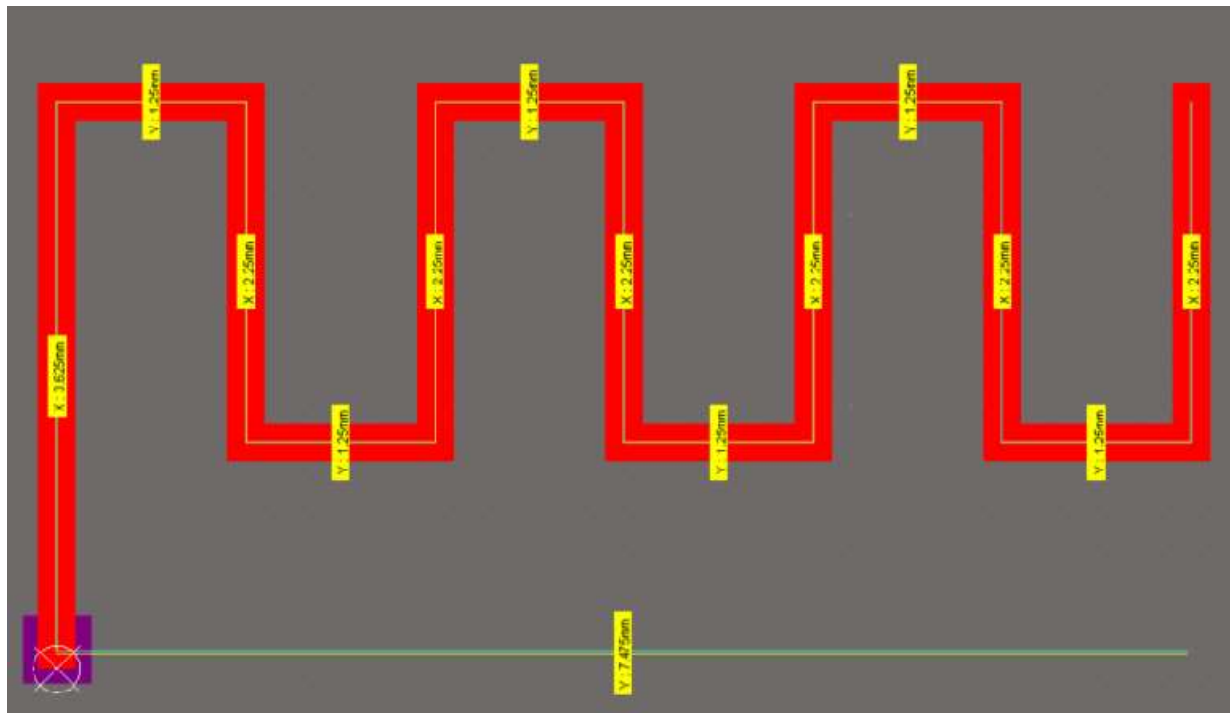


Figure 4: Antenna dimensions