



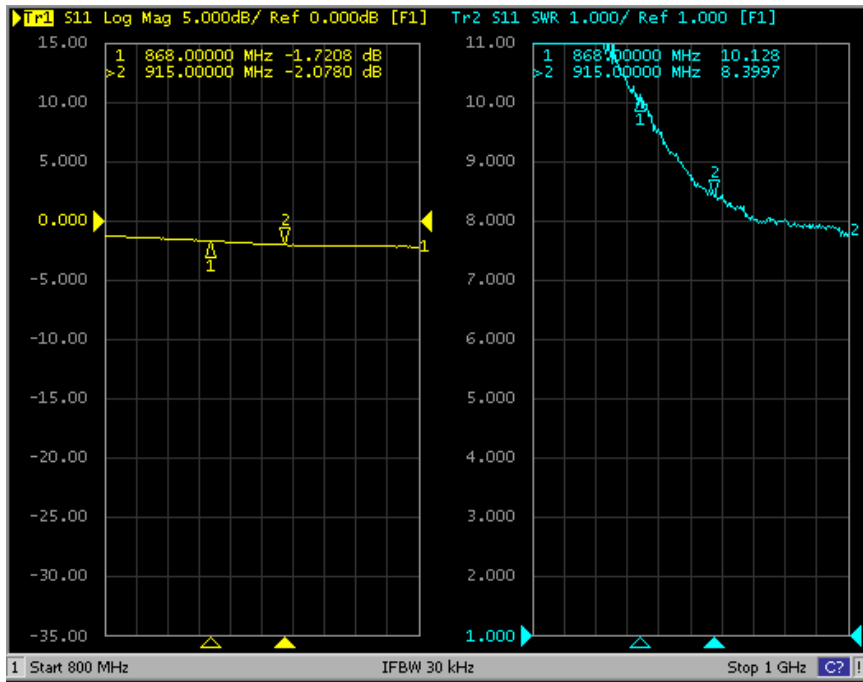
# 雲創 Lora Antenna 【ARK2-2.2】 Project

Date 2024/12/16  
Author Nick

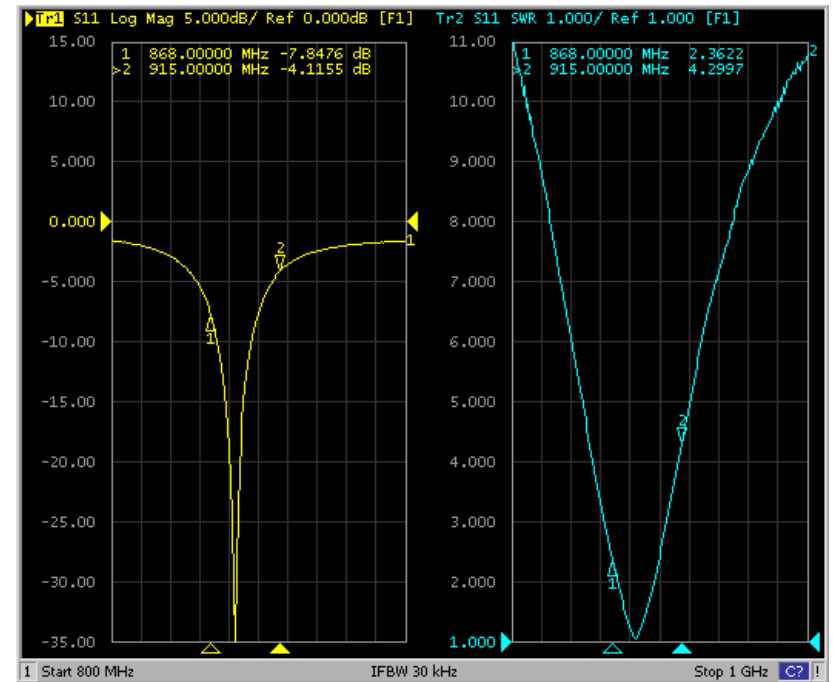
# Environment



# Antenna S11

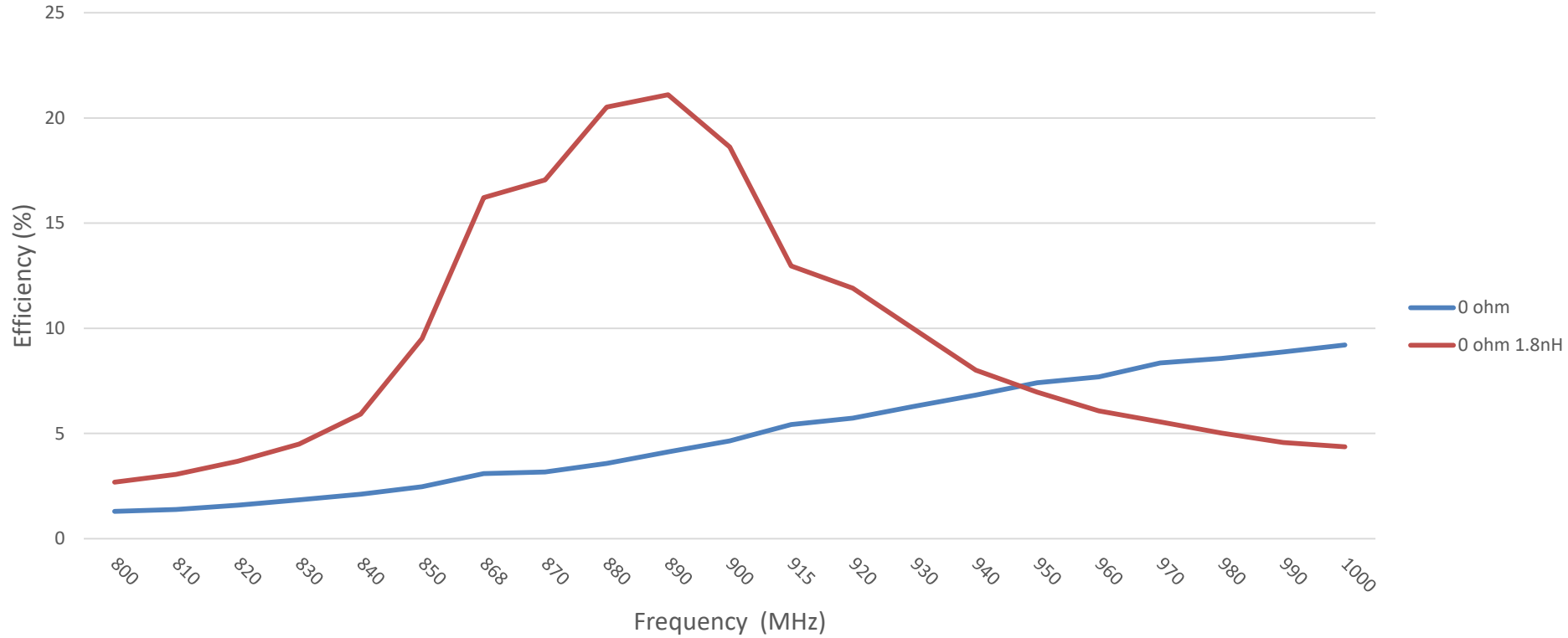


0ohm



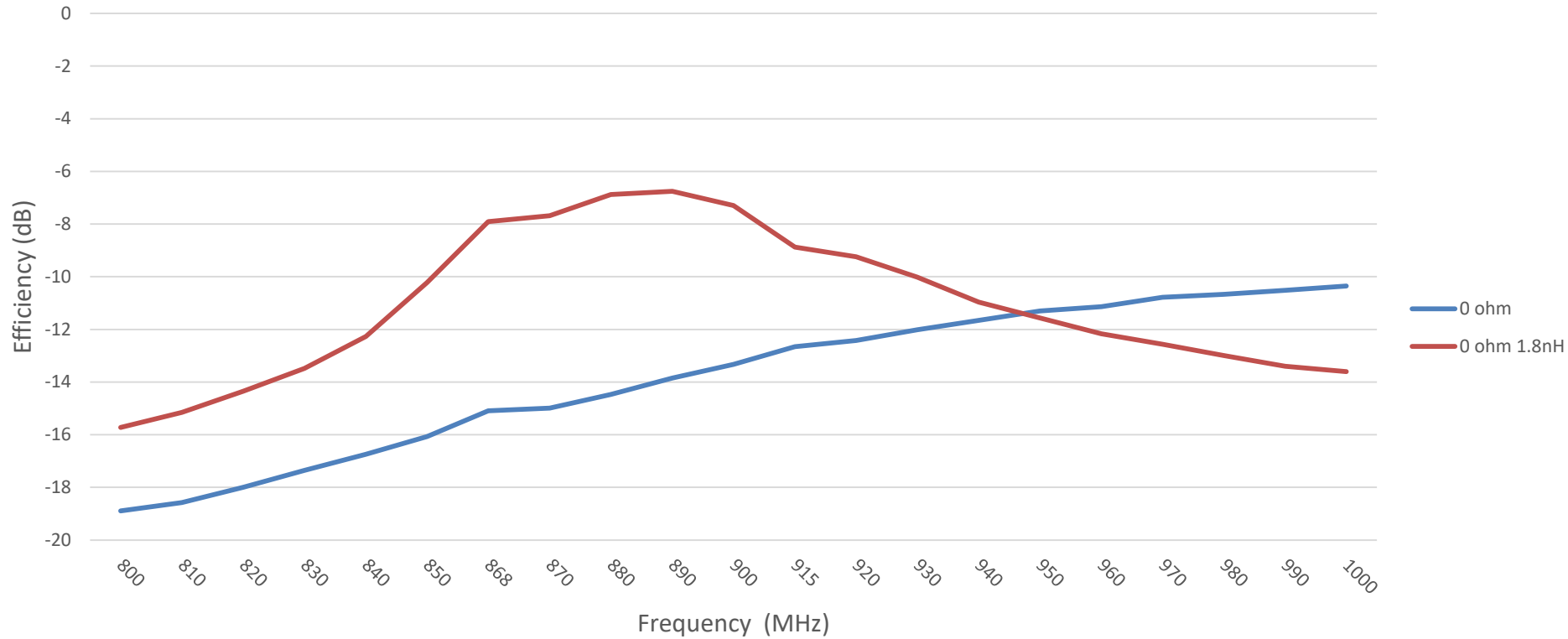
0ohm 1.8nH

# Antenna Efficiency



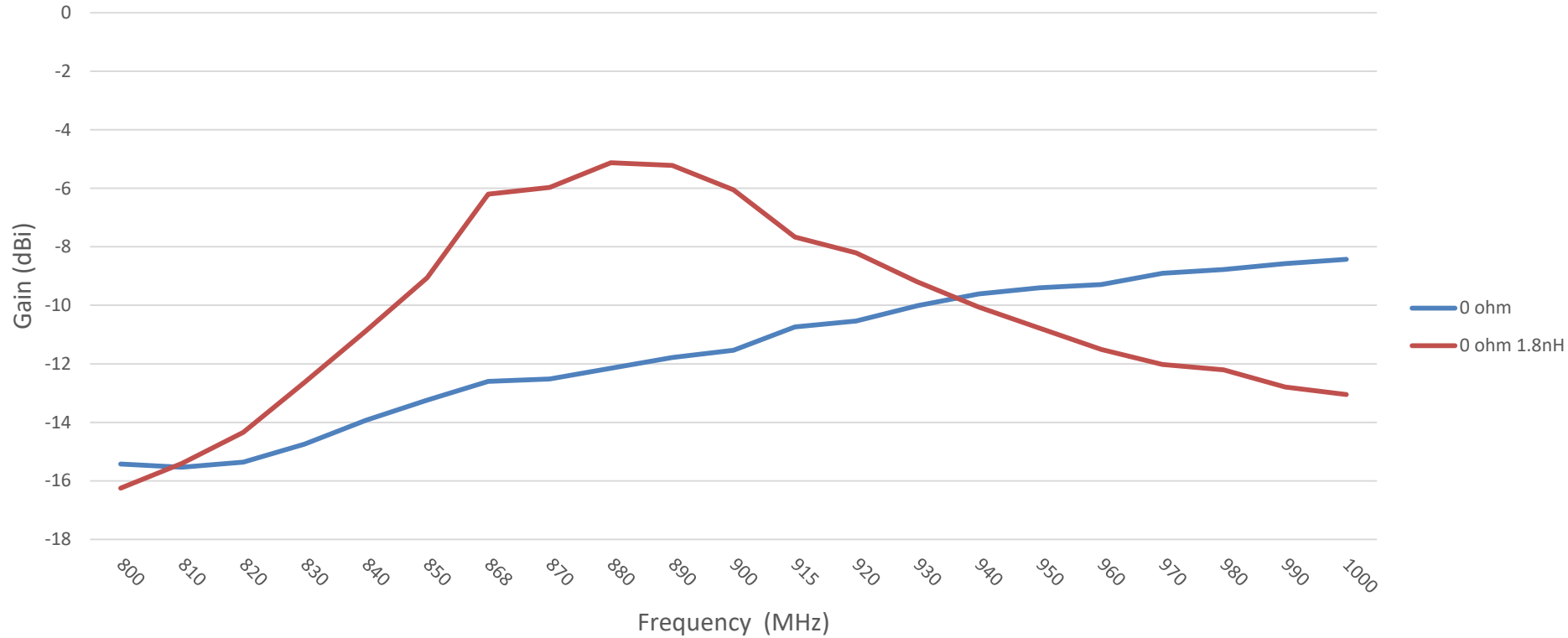
| Frequency (MHz) | 868  | 915   |
|-----------------|------|-------|
| 0 ohm           | 3.09 | 5.42  |
| 0ohm 1.8nH      | 16.2 | 12.96 |

# Antenna Average Gain



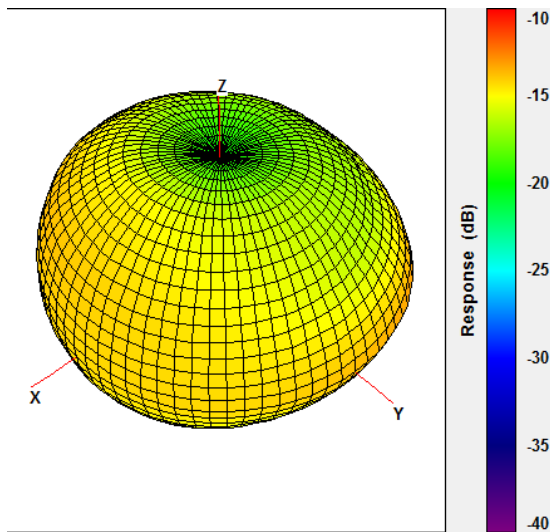
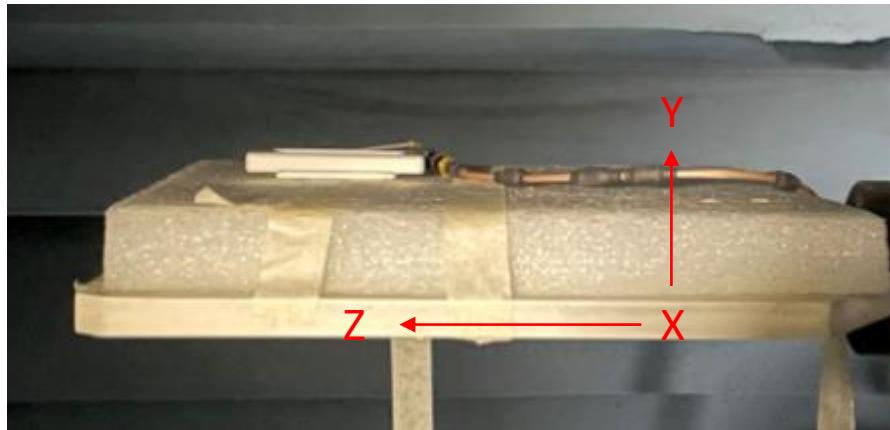
| Frequency (MHz) | 868    | 915    |
|-----------------|--------|--------|
| 0 ohm           | -15.09 | -12.65 |
| 0ohm 1.8nH      | -7.9   | -8.87  |

# Antenna Peak Gain

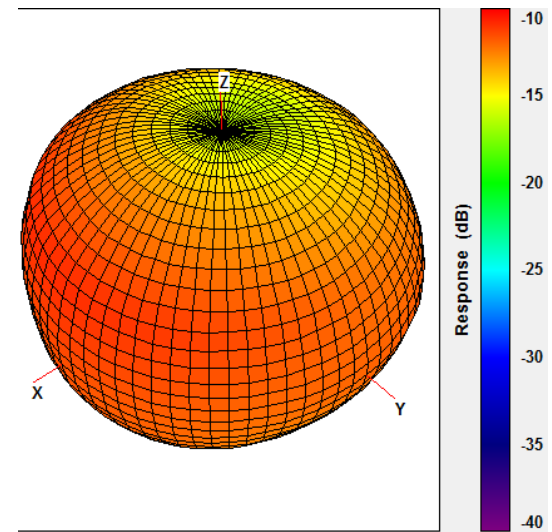


| Frequency (MHz) | 868   | 915    |
|-----------------|-------|--------|
| 0 ohm           | -12.6 | -10.73 |
| 0ohm 1.8nH      | -6.19 | -7.66  |

# Antenna 3D Pattern(0 ohm)

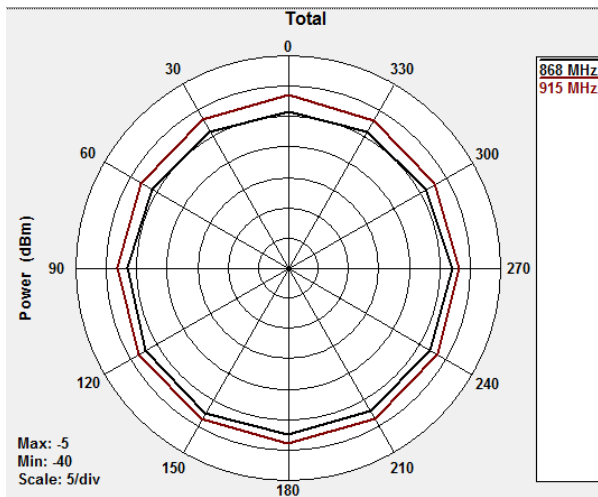
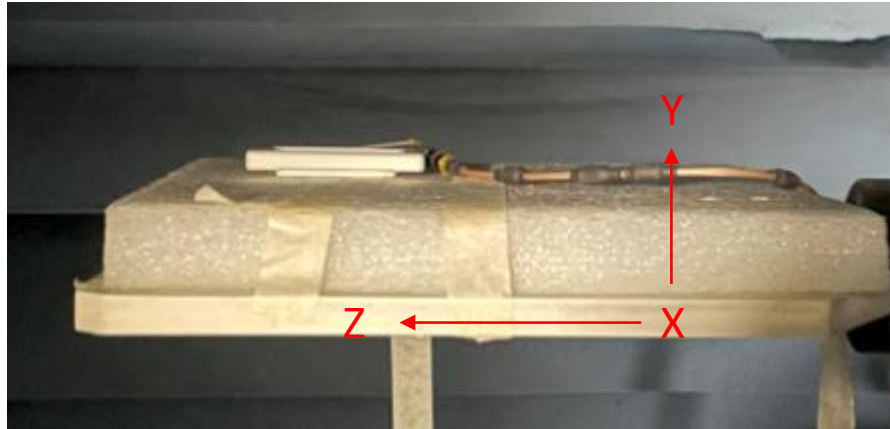


868MHz

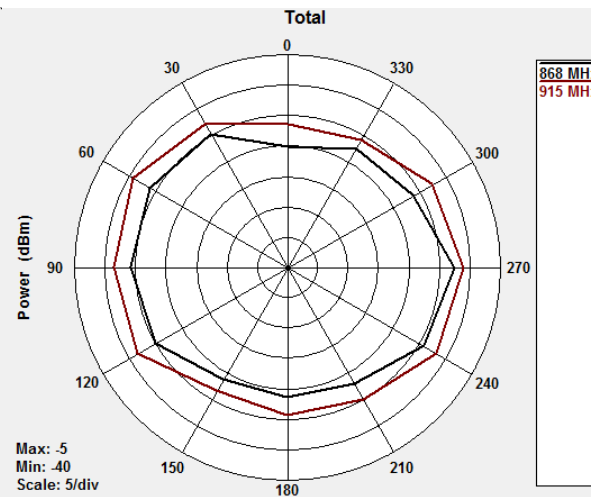


915MHz

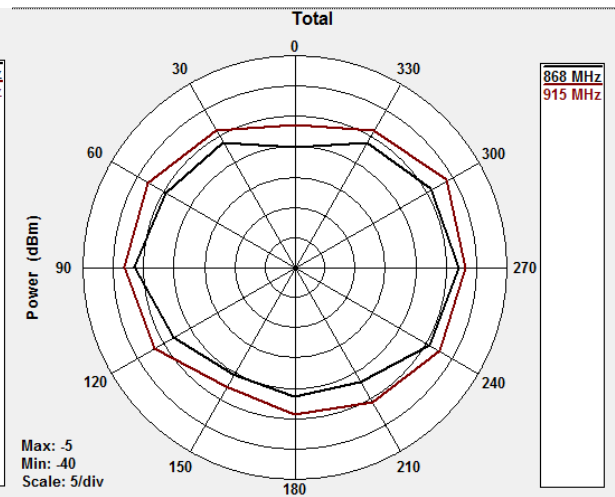
# Antenna 2D Pattern(0 ohm)



XY-Plane

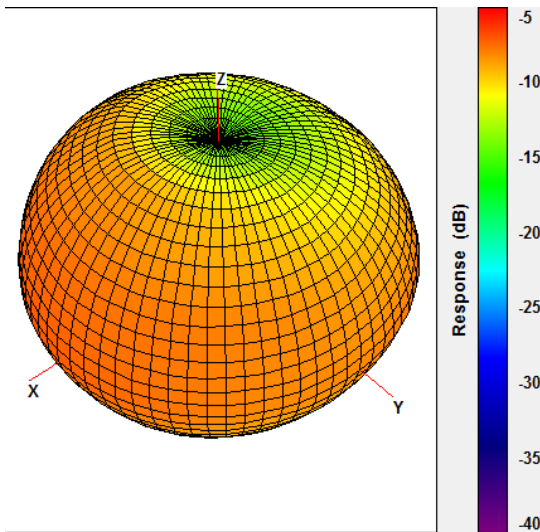
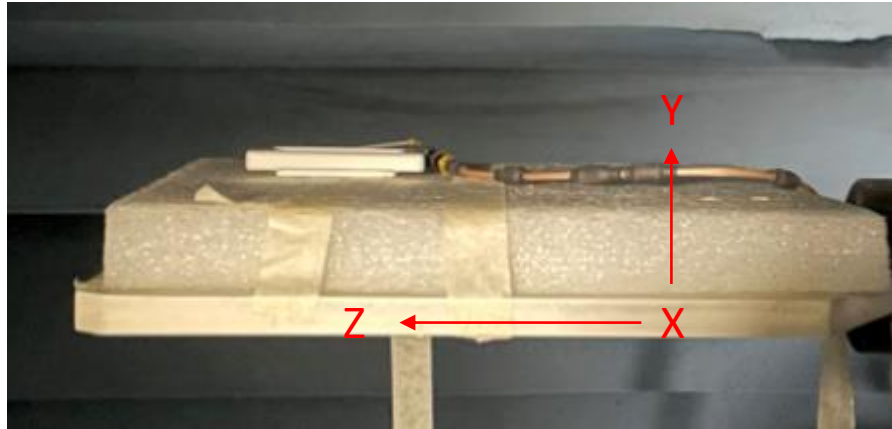


XZ-Plane

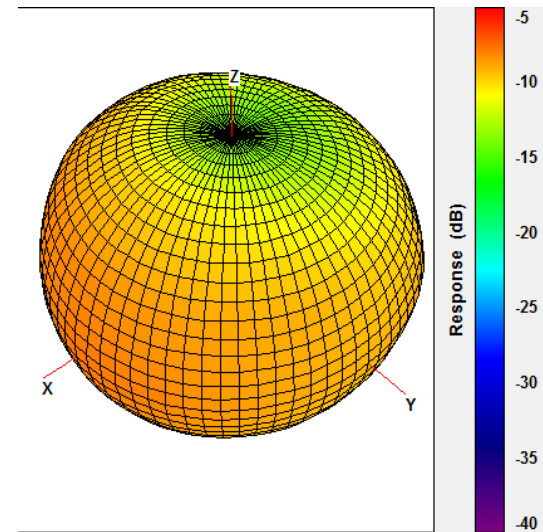


YZ-Plane

# Antenna 3D Pattern(0 ohm 1.8nH)

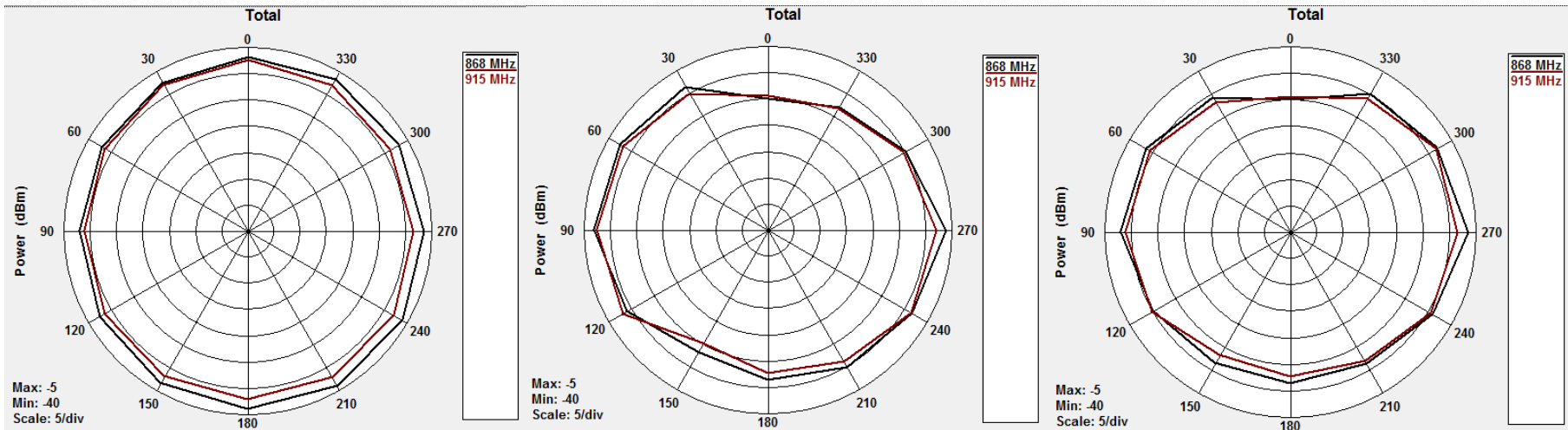
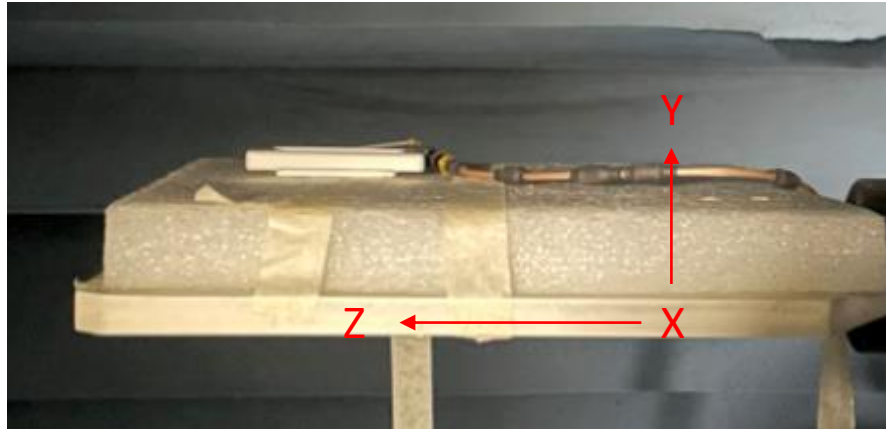


868MHz



915MHz

# Antenna 2D Pattern(0 ohm 1.8nH)



XY-Plane

XZ-Plane

YZ-Plane

# Matching

