

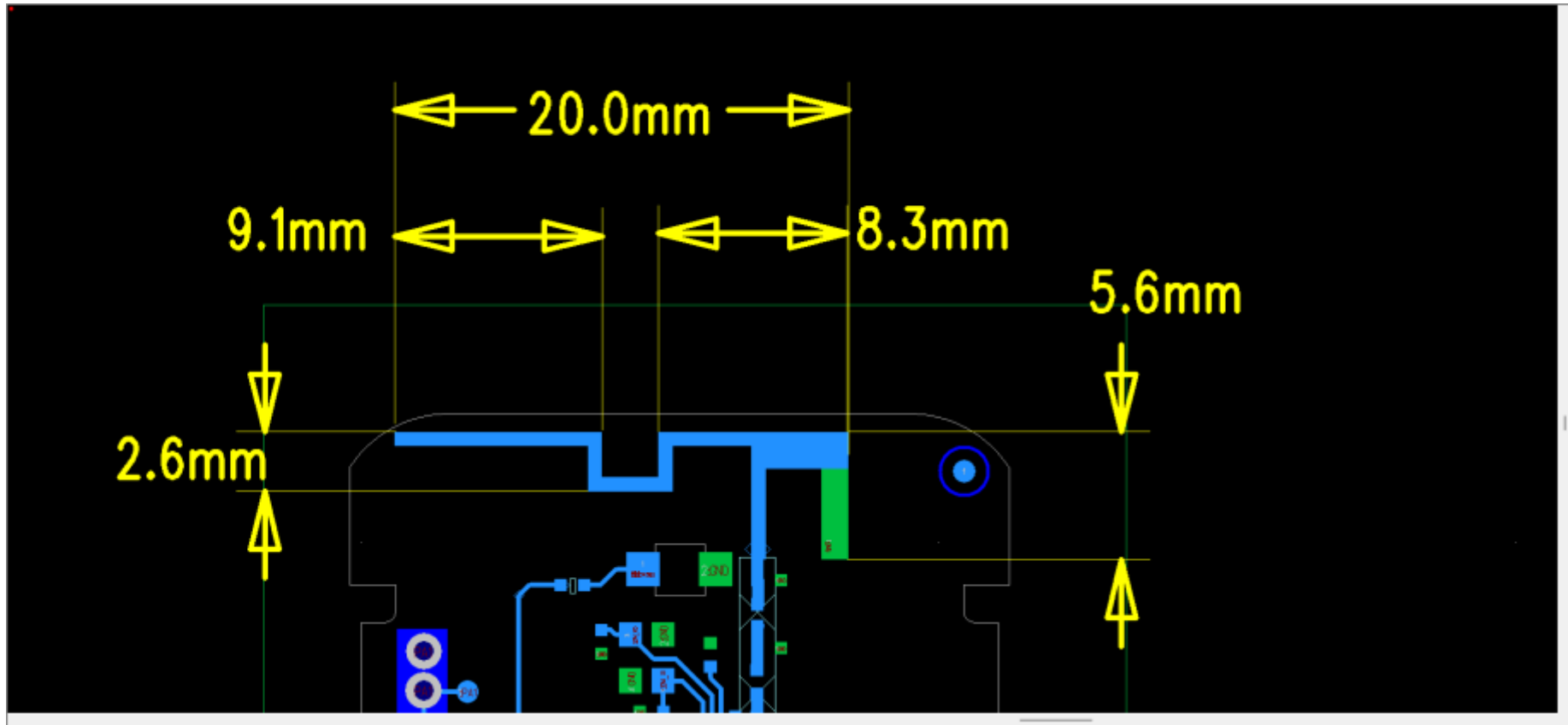
Meander Inverted F Antenna (MIFA) Specification

Project : RCT4013-004

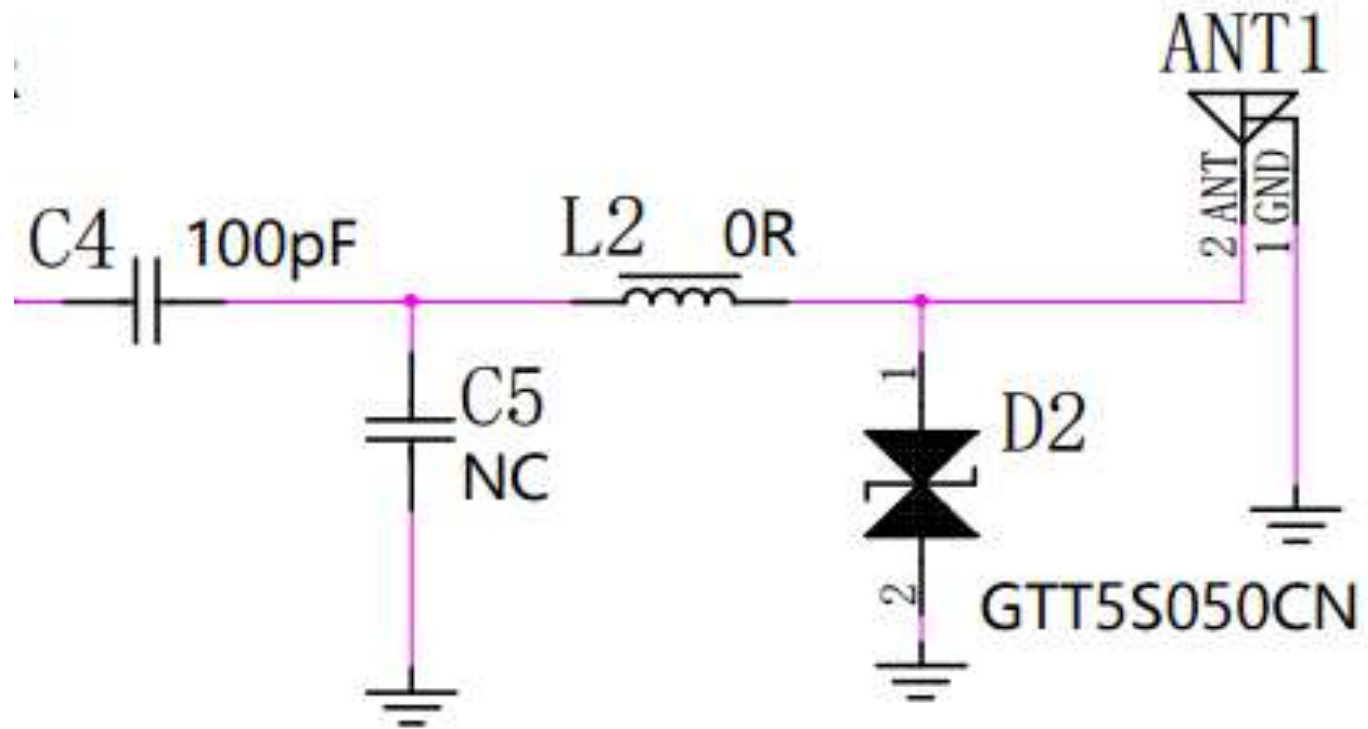
Data : 2025/05/13

Dongguan Doty Optoelectronics Co., Ltd
No. 90, Xintou Village, Tangxia Town, Dongguan, Guangdong, China. 523710

1. Appearance and Dimensions

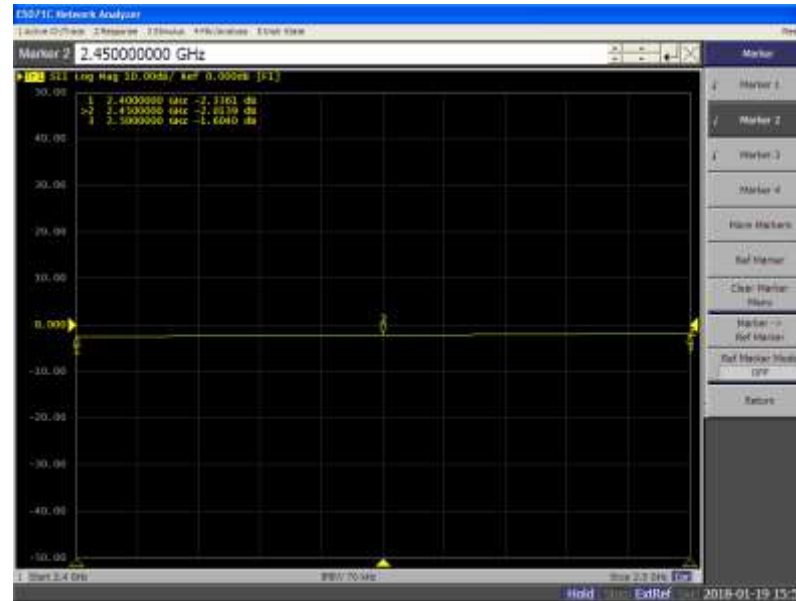
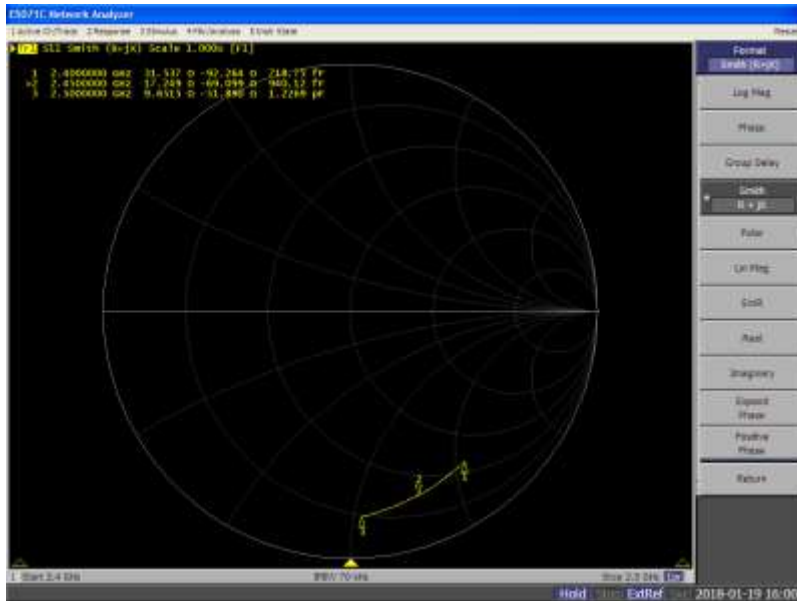


2. Matching Network



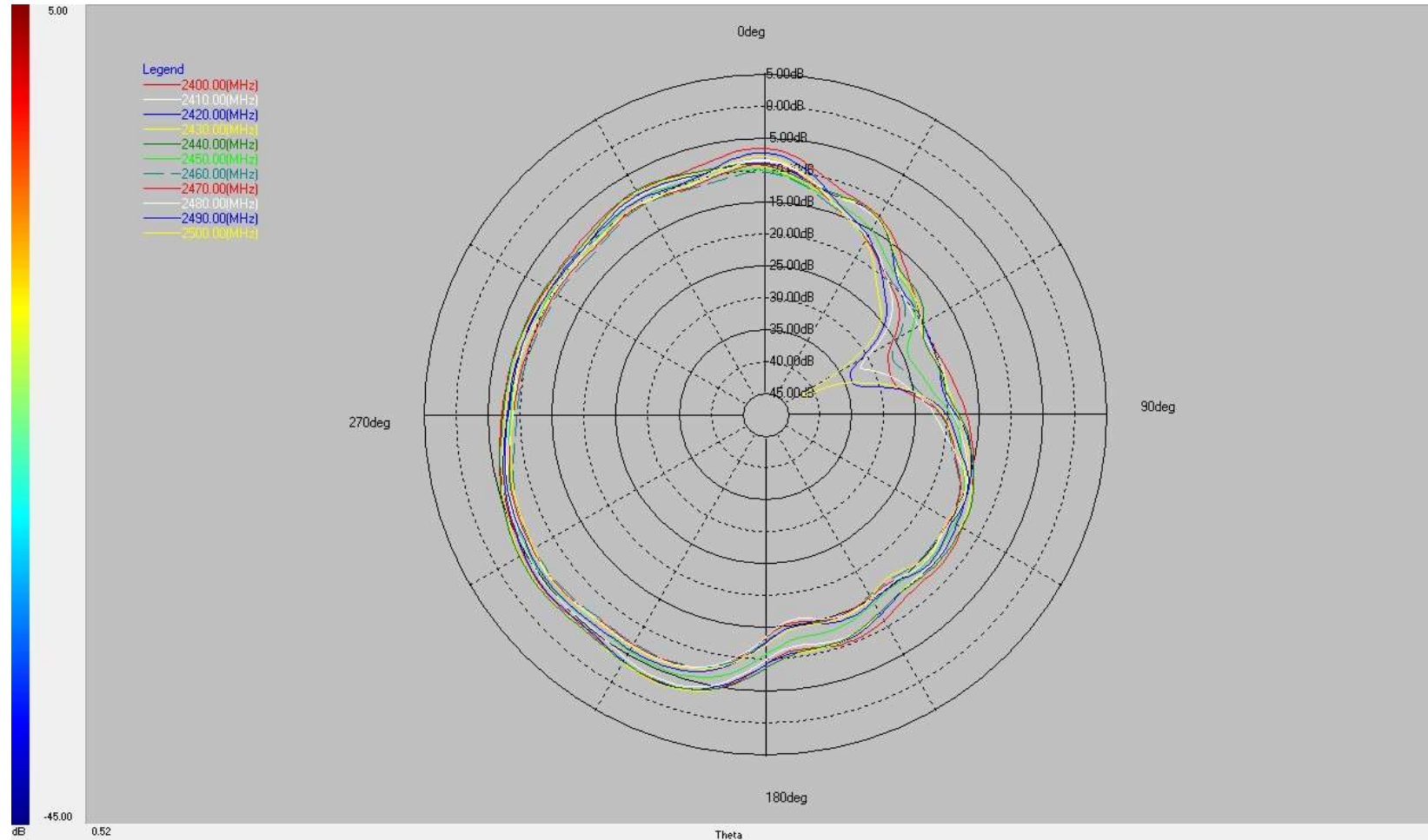
3.S11 dB/VSWR/SmithChart)

Frequency	2.4Ghz	2.45Ghz	2.50Ghz
S11(dB)	-2.3361	-2.0139	-1.6040



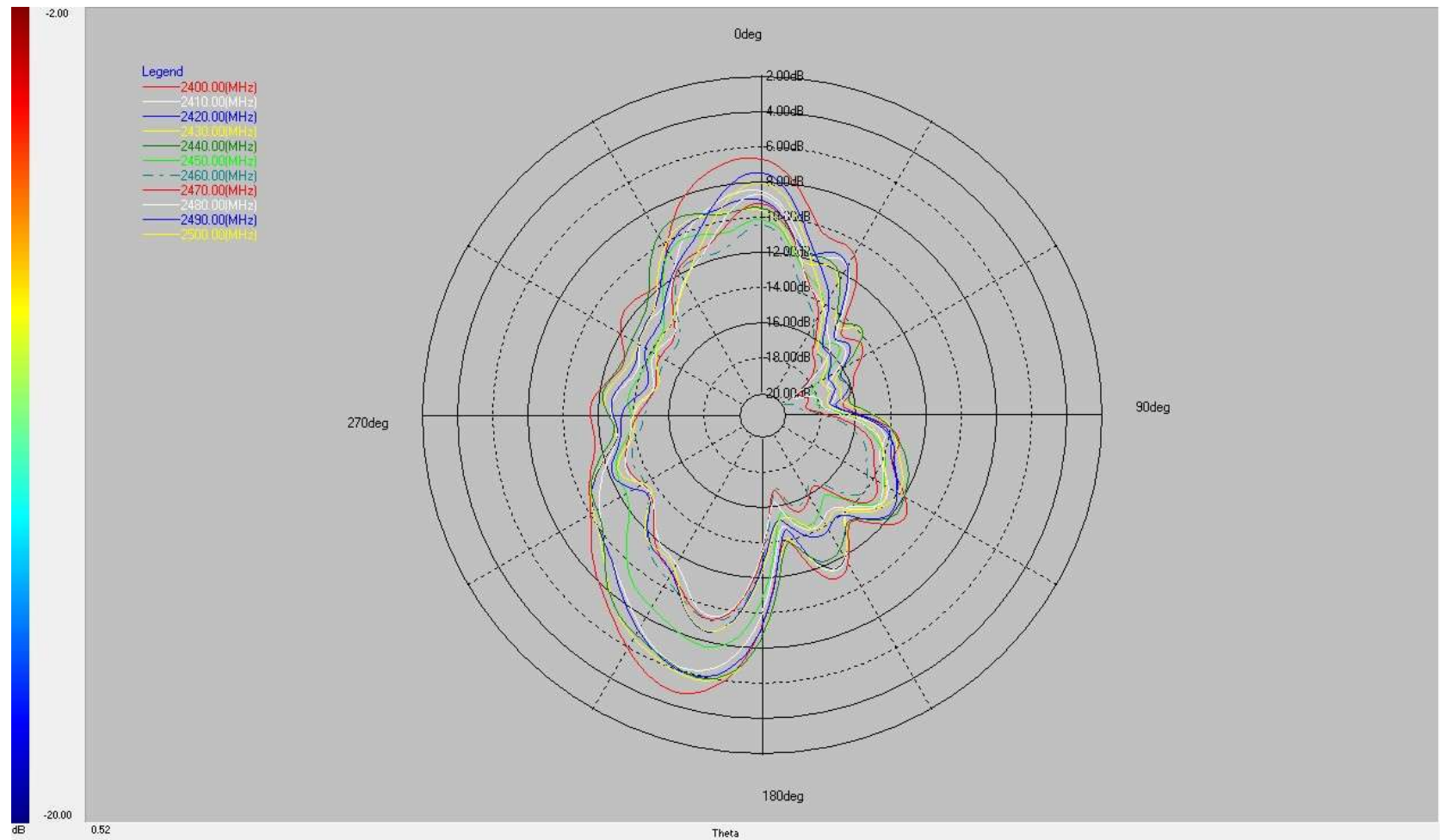
4. 3D Antenna Radiation Pattern in OTA Chamber

4-1 Phi=0



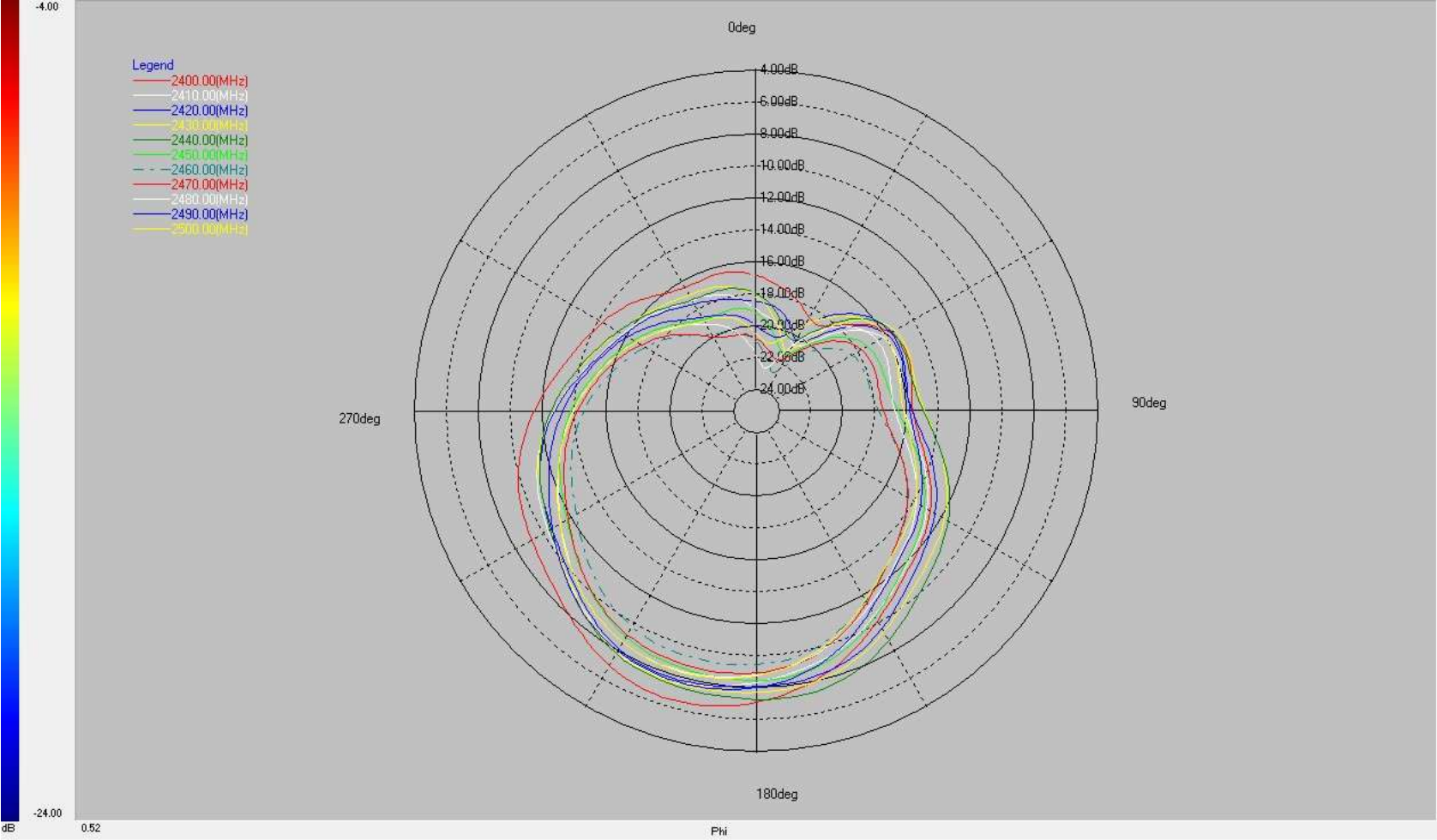
• Phi=0

4-2 Phi=90



• Phi=90

4-3 Theta=90



• Theta=90

5. Antenna Gain, Antenna Efficiency

Frequency	2.4Ghz	2.45Ghz	2.50Ghz
Antenna Gain(dBi)	-3.15063	-5.18293	-6.09318
Efficiency (%)	10.2827%	6.92277%	6.18275%