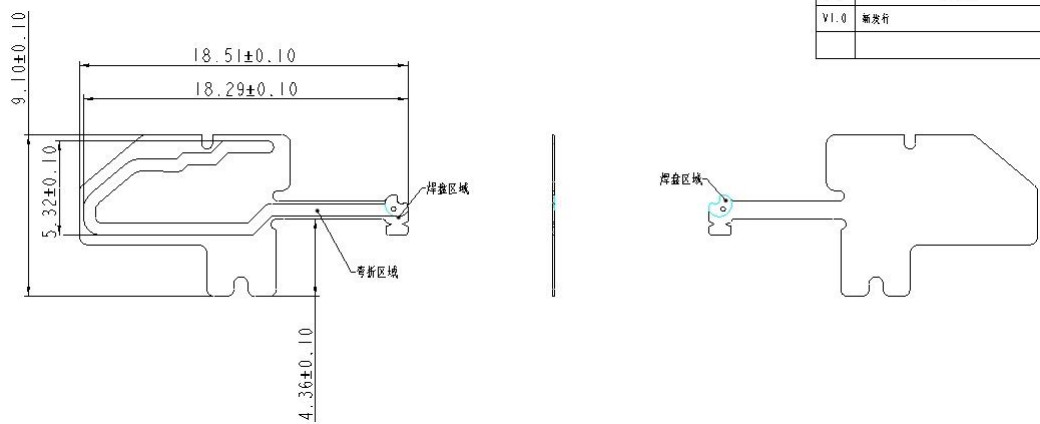


LTO600 Antenna Details

LTO600 is an open audio Bluetooth headphone product. The Bluetooth function is achieved by AB1565A/A.

A FPC antenna is used for this product.

1) Antennas' dimension

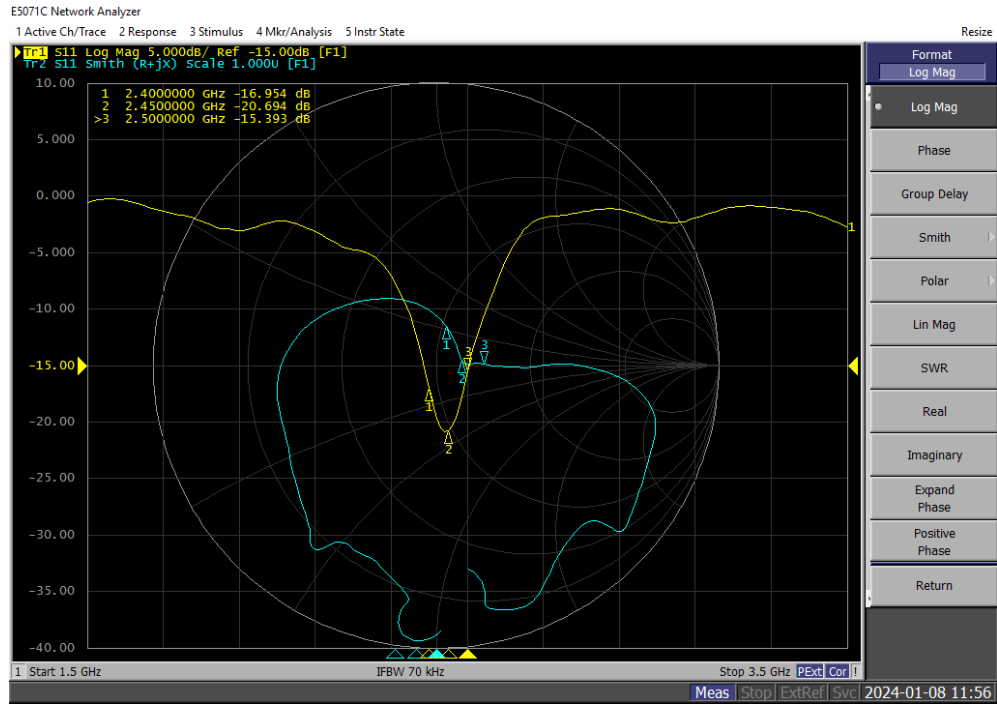


Unit:mm

2) Antenna supplier

Part name	Part number	Supplier	Supplier Address
FPC antenna	309000345254R0	HD-FLEX TECHNOLOGY CO., LTD	Qian Wu Town,Doumen District,Zhuhai,Guangdong,China
		Seil Flex Huizhou Co., Ltd.	No. 8 Tongcheng Avenue Road, Longhu Development Zone, Shuikou, Huizhou

3) Return Loss of antenna

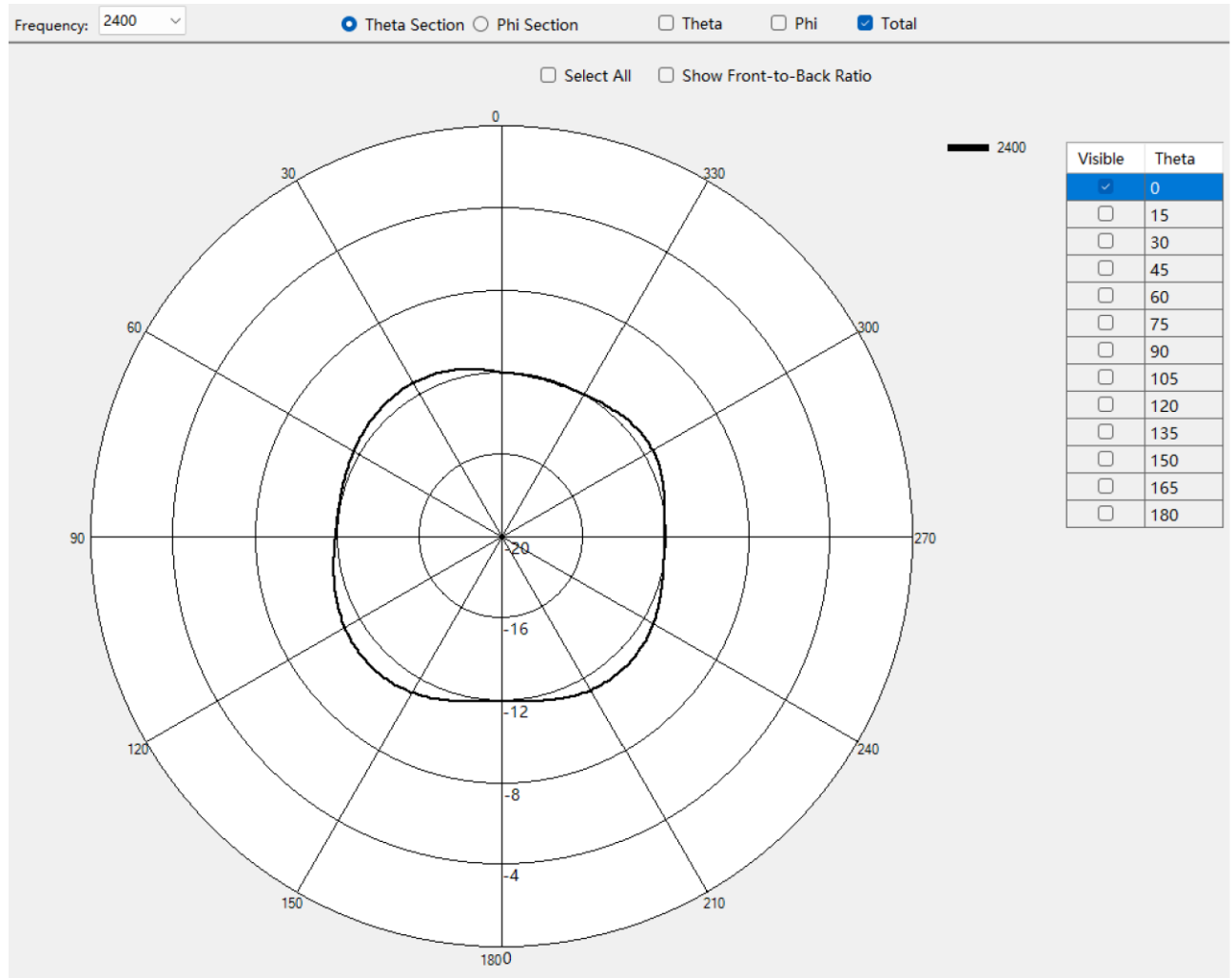


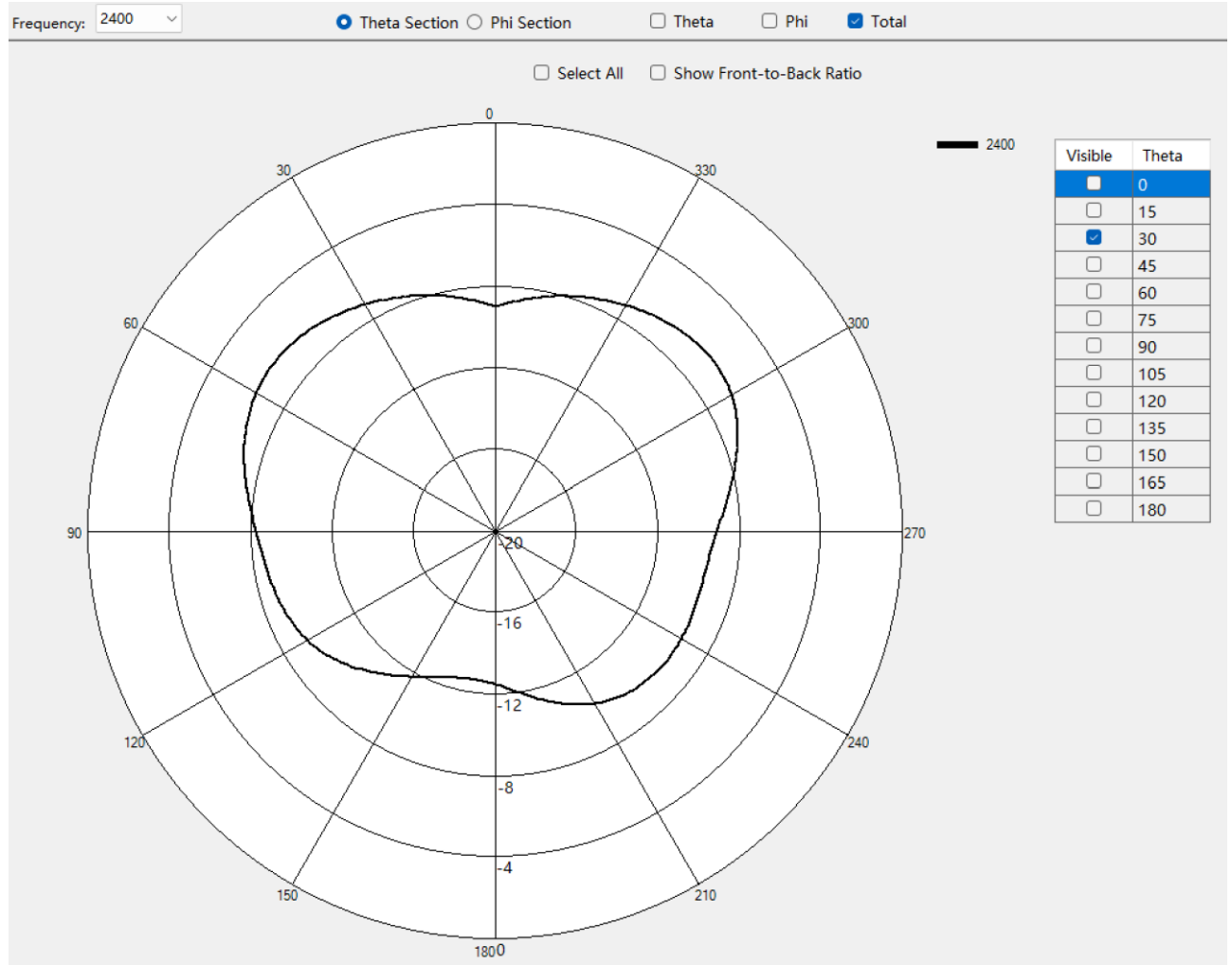
4) Efficiency and gain

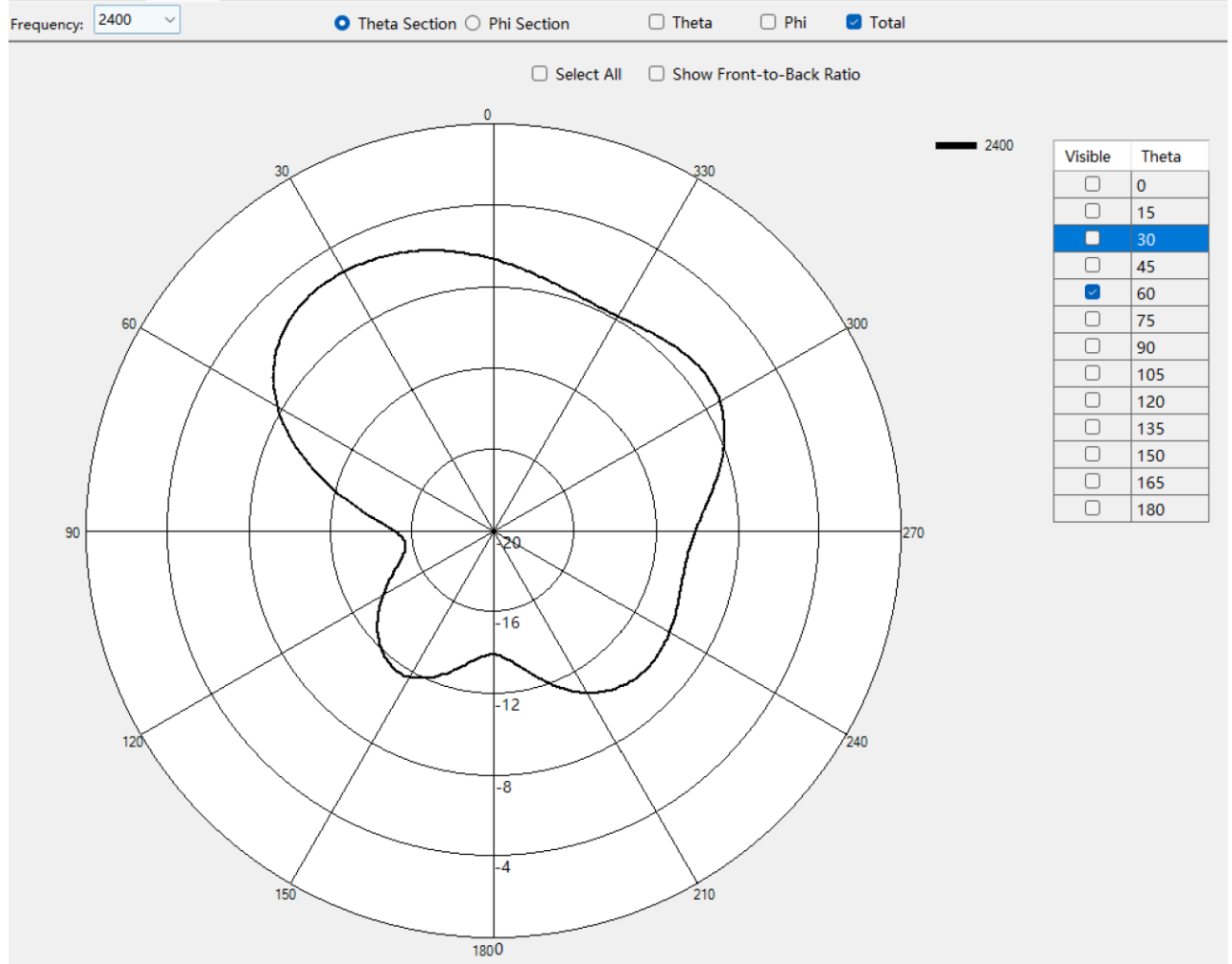
Freq (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	19.29	-7.15	-1.69
2410	19.72	-7.05	-1.60
2420	19.15	-7.18	-1.76
2430	19.19	-7.17	-1.79
2440	19.76	-7.04	-1.69
2450	19.97	-7.00	-1.72
2460	20.19	-6.95	-1.74
2470	20.39	-6.91	-1.71
2480	20.80	-6.82	-1.68
2490	20.82	-6.81	-1.71
2500	20.67	-6.85	-1.81

The radiated pattern for your reference.

2400MHz

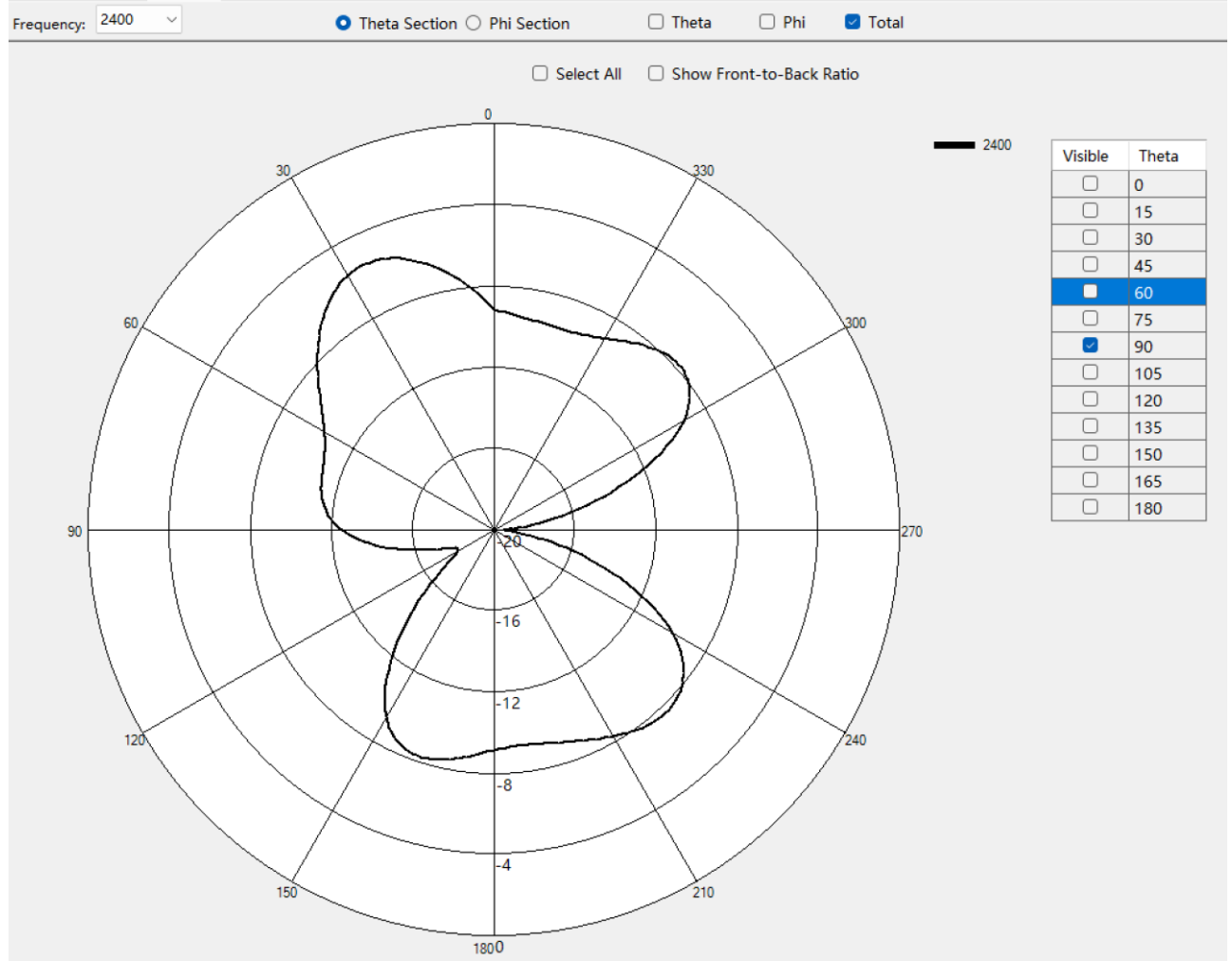






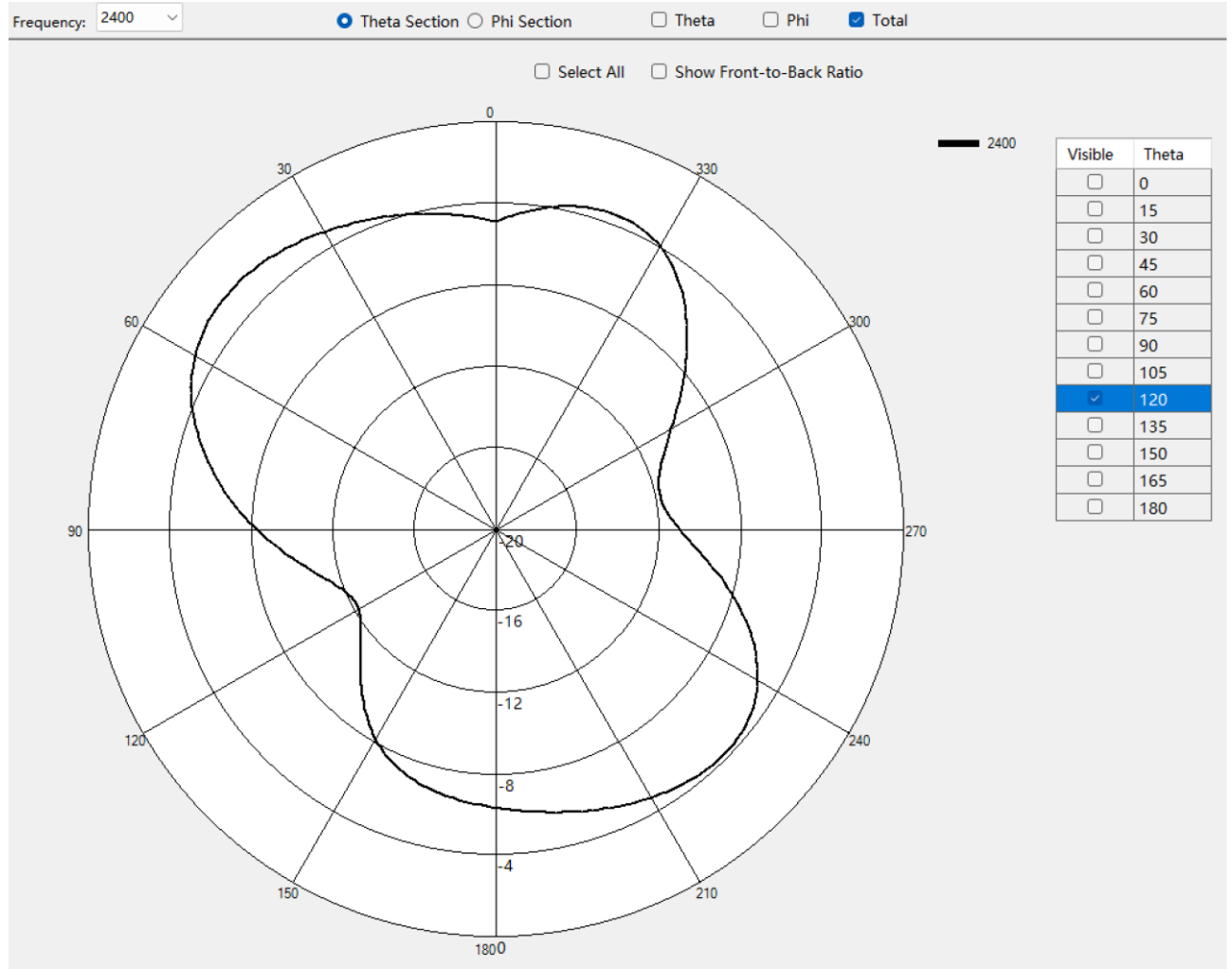


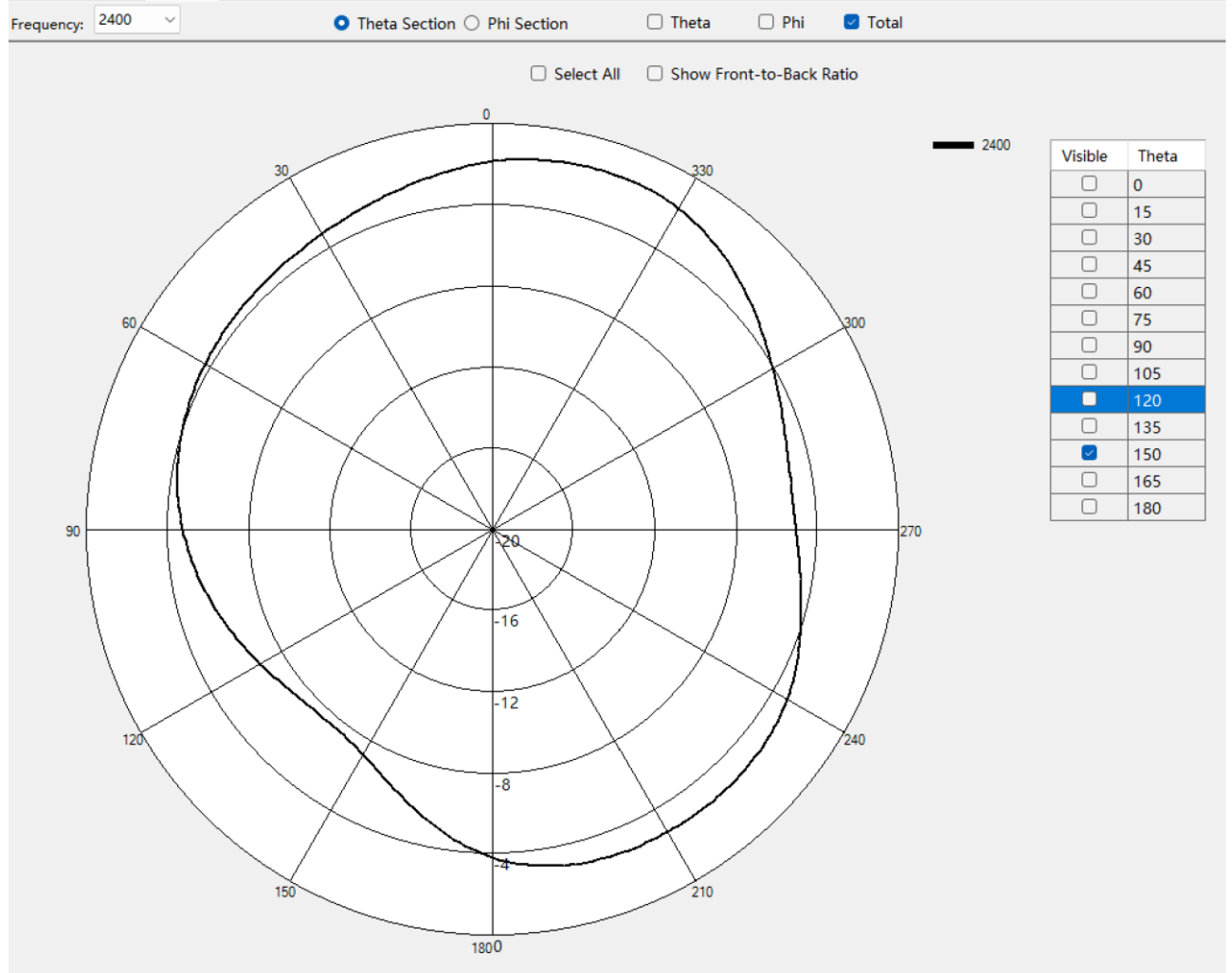
LIBRATONE

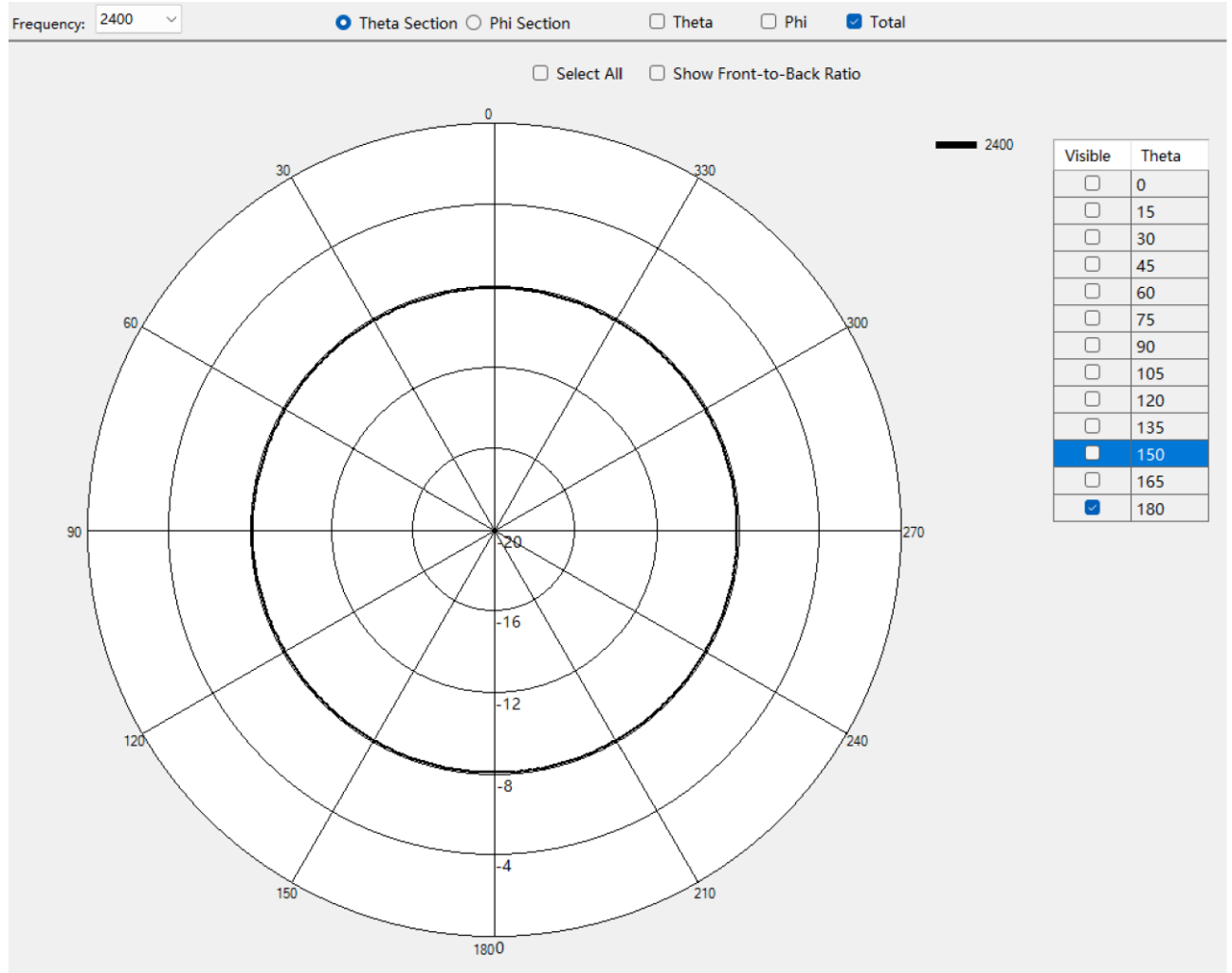


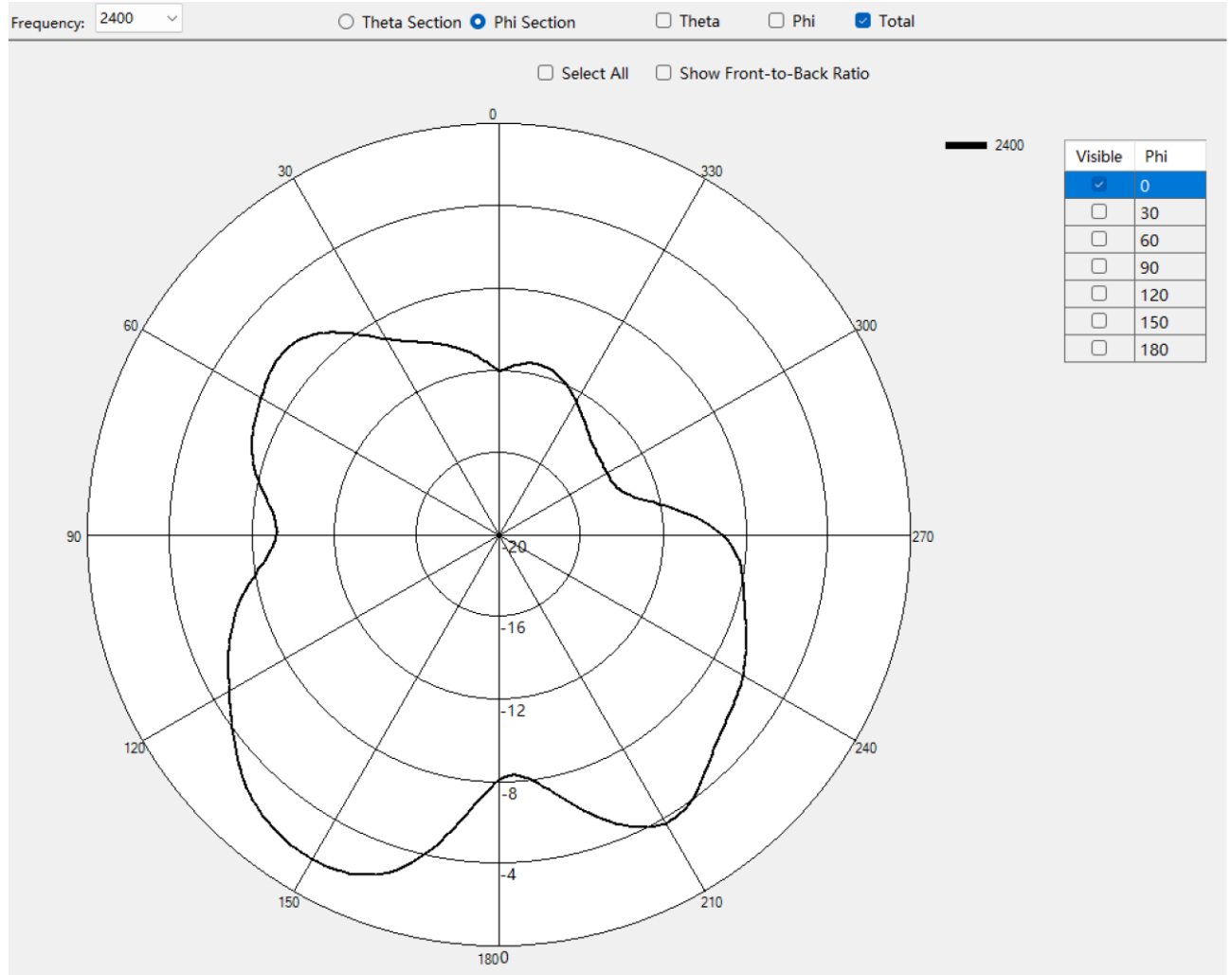


LIBRATONE











LIBRATONE

Frequency: 2400

☐ Theta Section ☒ Phi Section

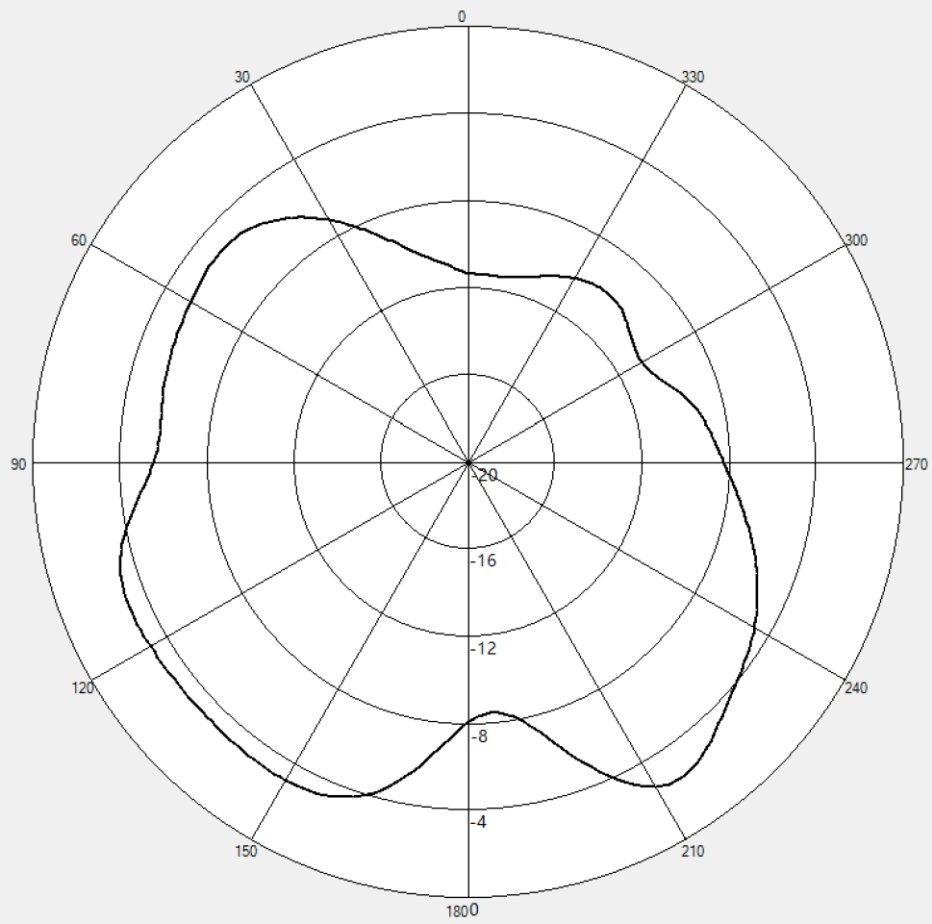
☐ Theta

☐ Phi

☒ Total

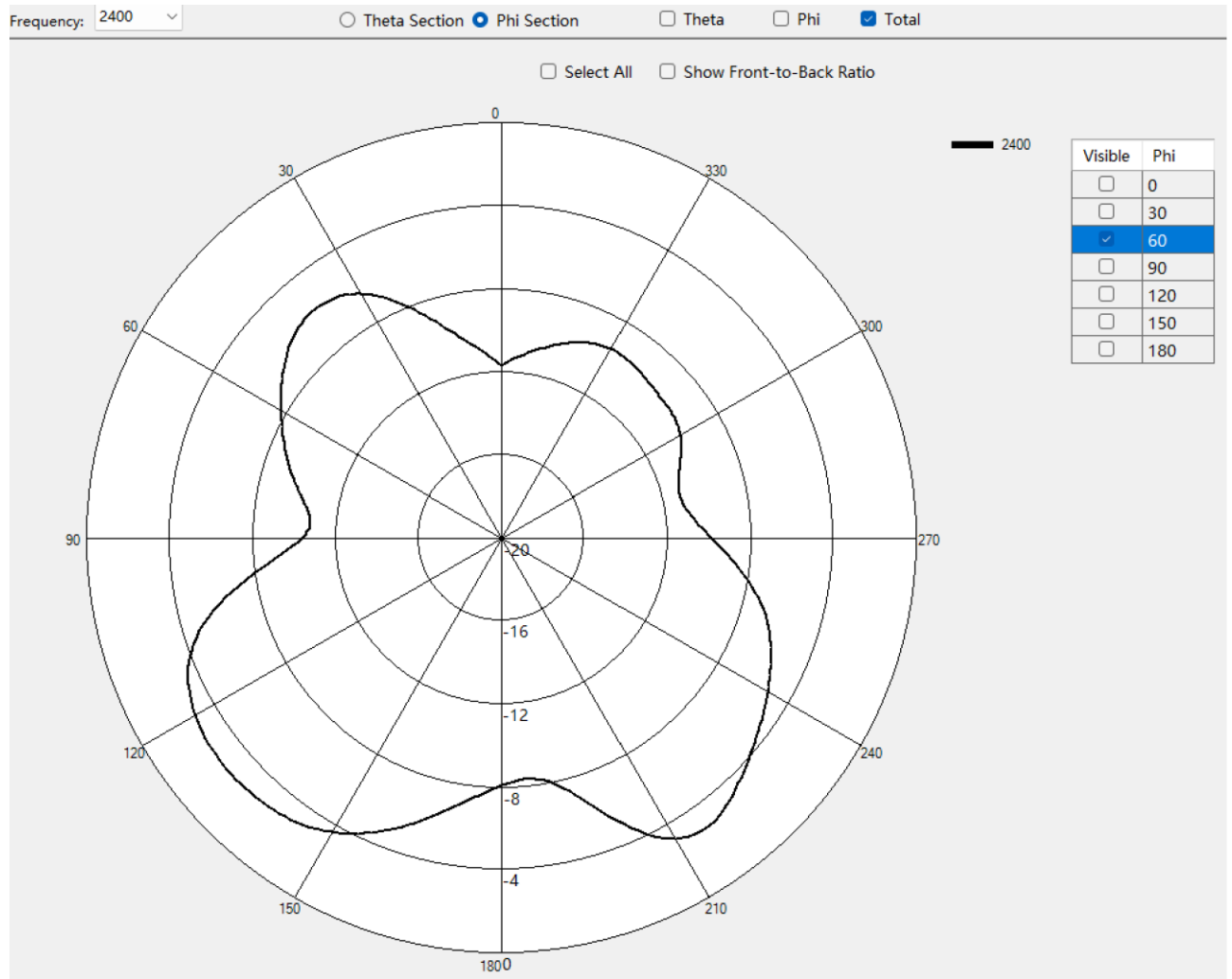
☐ Select All

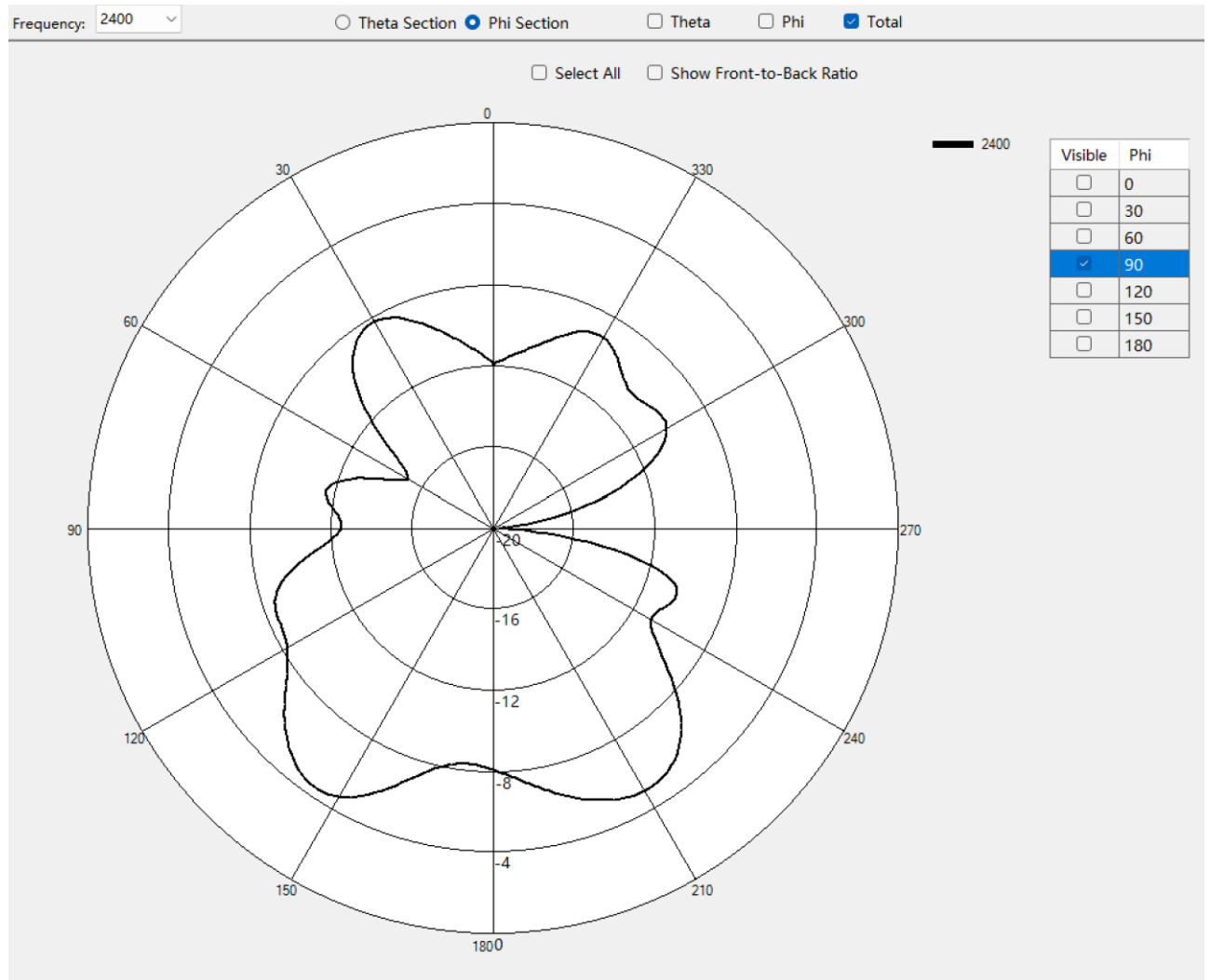
☐ Show Front-to-Back Ratio

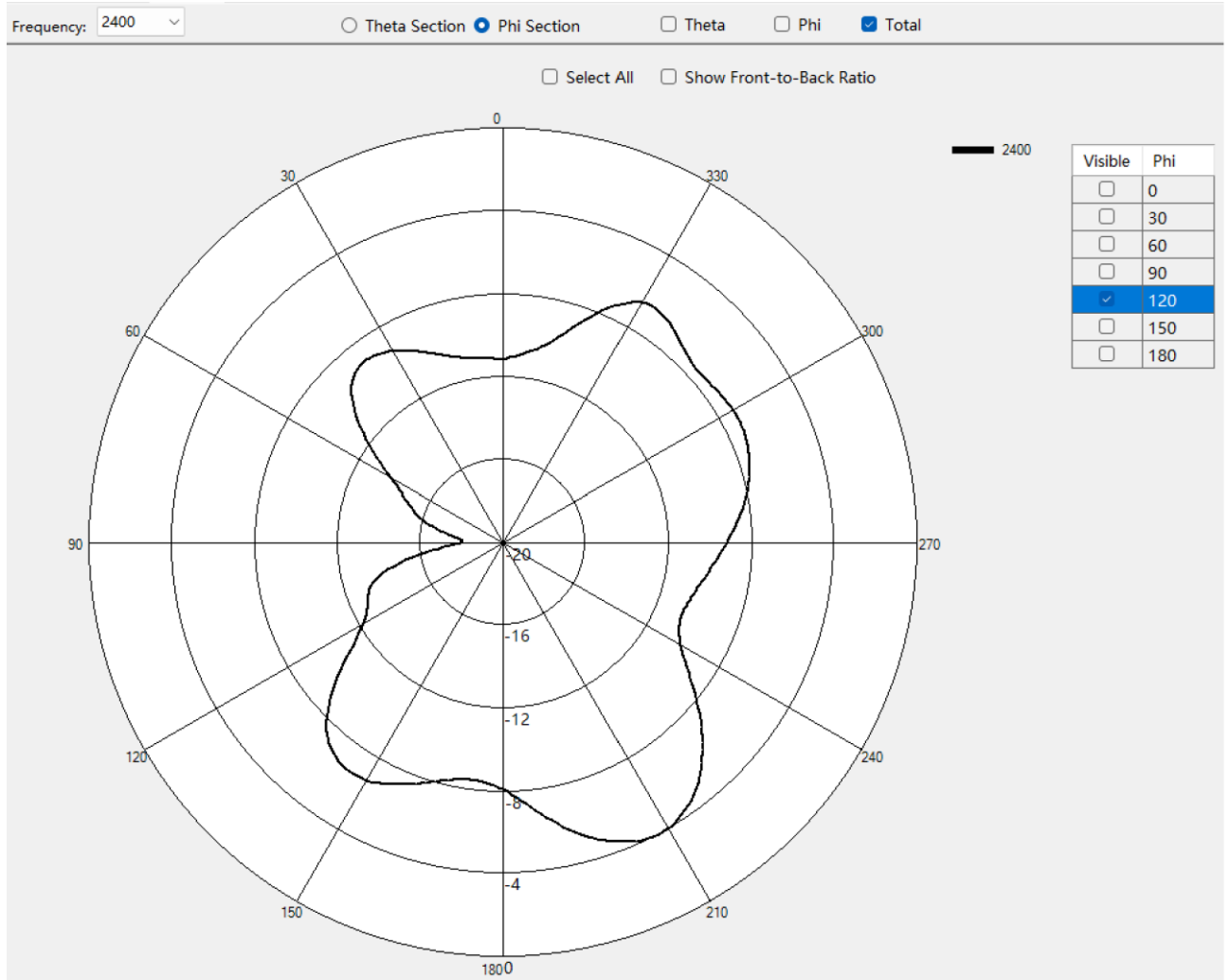


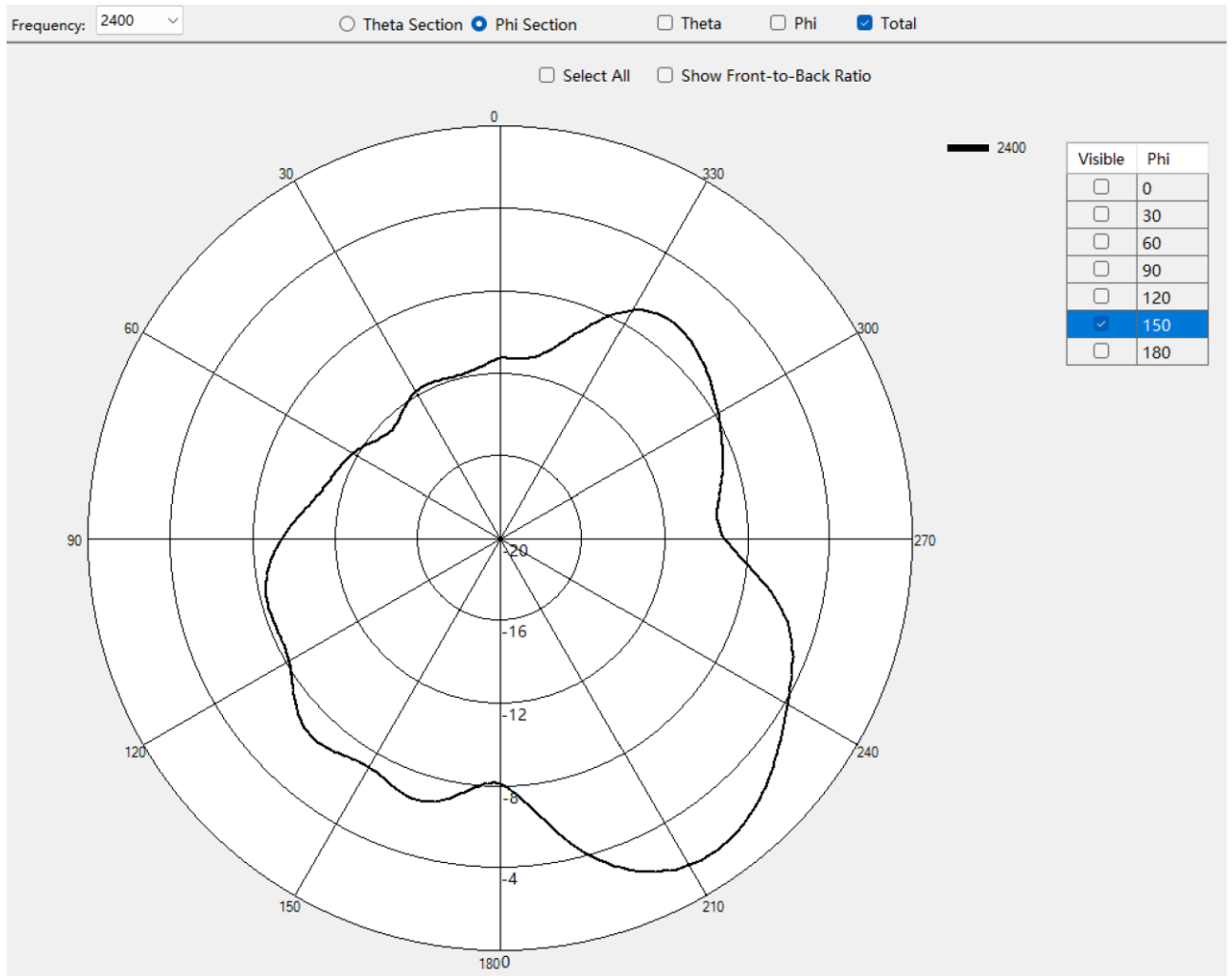
2400

Visible	Phi
☐	0
☒	30
☒	60
☐	90
☐	120
☐	150
☐	180











LIBRATONE

Frequency: 2400

☐ Theta Section ☒ Phi Section

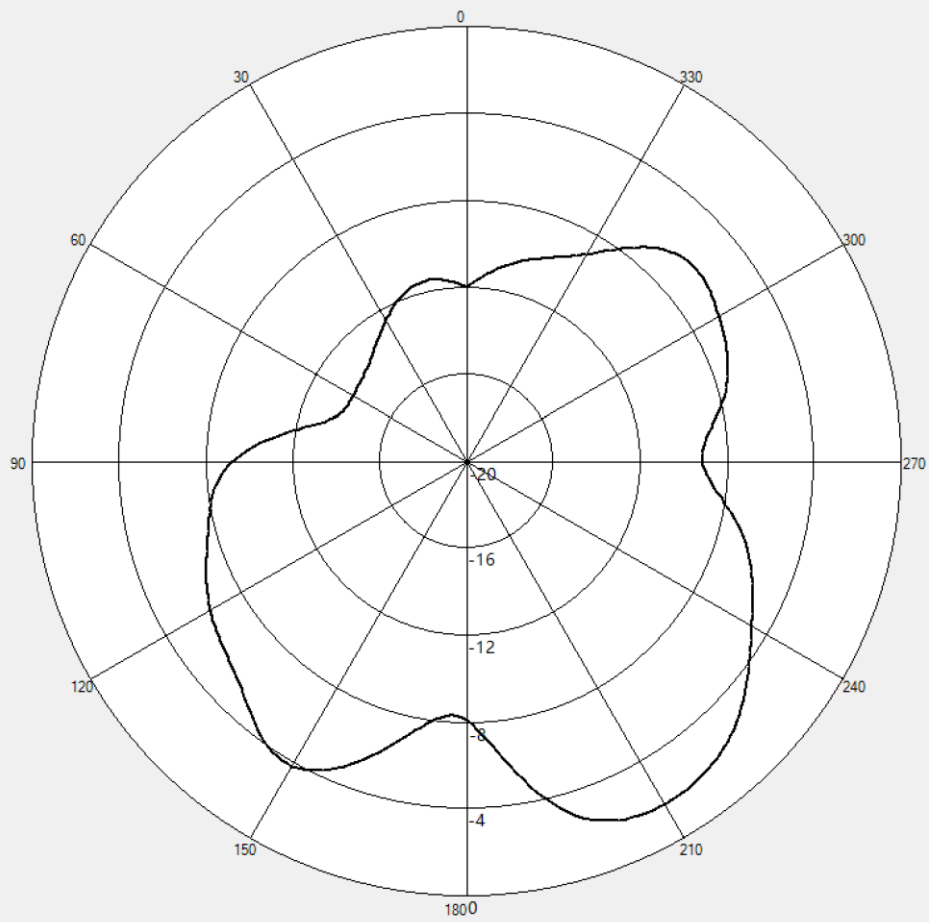
☐ Theta

☐ Phi

☒ Total

☐ Select All

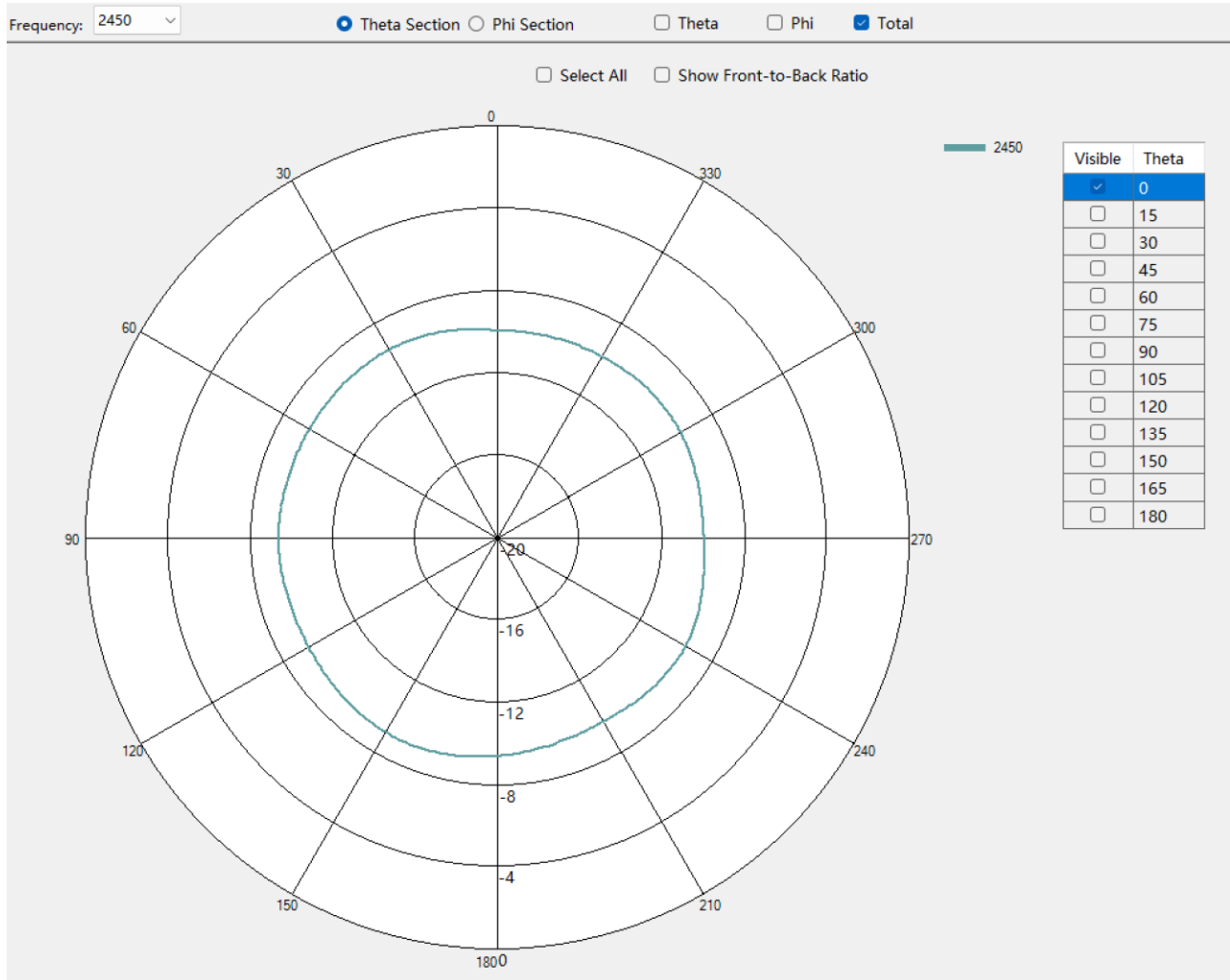
☐ Show Front-to-Back Ratio



2400

Visible	Phi
☐	0
☐	30
☐	60
☐	90
☐	120
☐	150
☒	180

2450MHz



Frequency: 2450

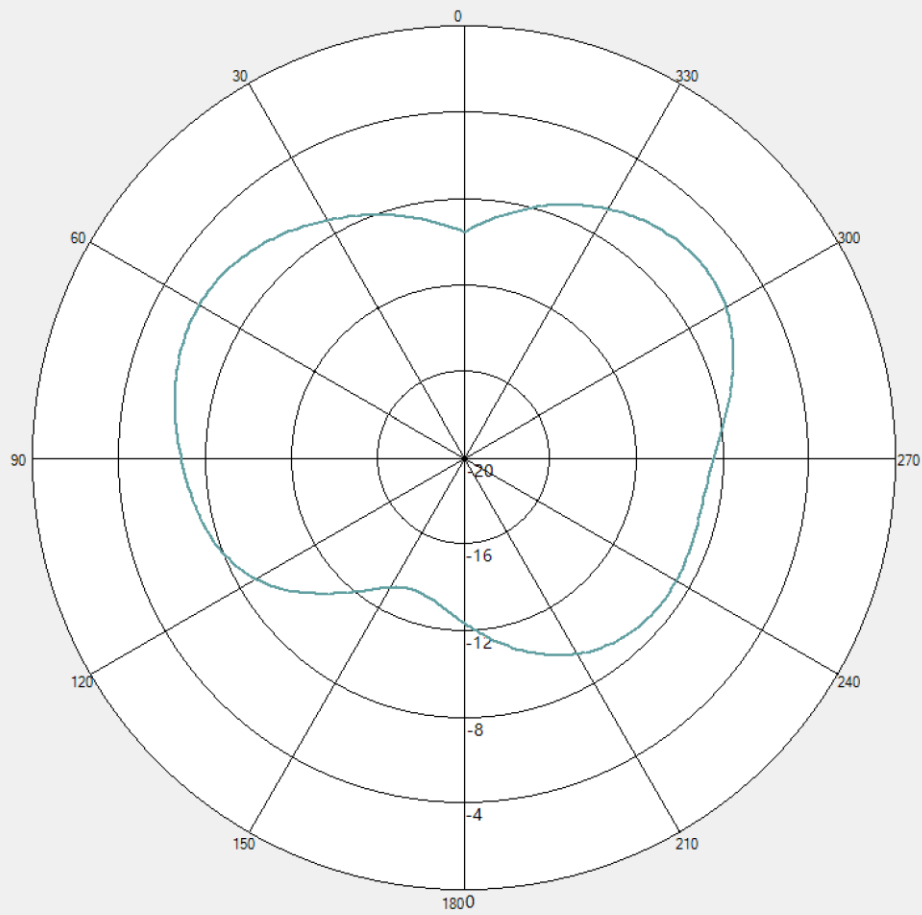
☒ Theta Section ☐ Phi Section

☐ Theta

☐ Phi

☒ Total

☐ Select All

☐ Show Front-to-Back Ratio


2450

Visible	Theta
☐	0
☐	15
☒	30
☐	45
☐	60
☐	75
☐	90
☐	105
☐	120
☐	135
☐	150
☐	165
☐	180

Frequency: 2450

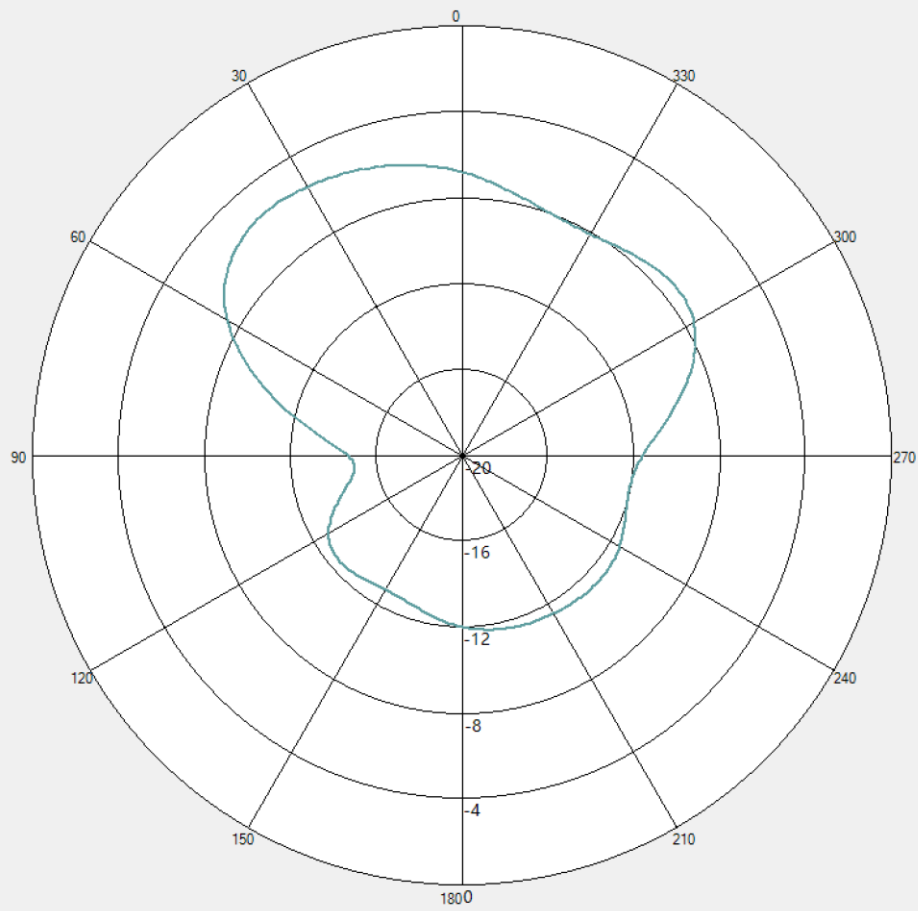
☒ Theta Section ☐ Phi Section

☐ Theta

☐ Phi

☒ Total

☐ Select All

☐ Show Front-to-Back Ratio


2450

Visible	Theta
☐	0
☐	15
☐	30
☐	45
☒	60
☐	75
☐	90
☐	105
☐	120
☐	135
☐	150
☐	165
☐	180

Frequency: 2450

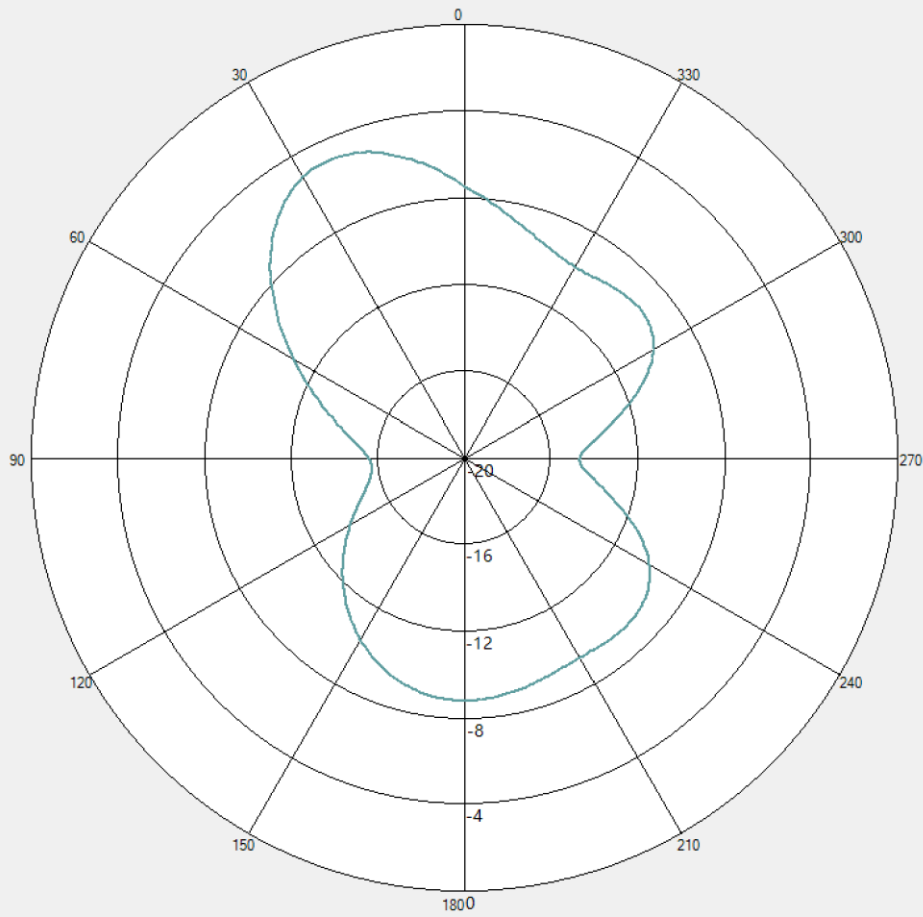
☒ Theta Section ☐ Phi Section

☐ Theta

☐ Phi

☒ Total

☐ Select All

☐ Show Front-to-Back Ratio


2450

Visible	Theta
☐	0
☐	15
☐	30
☐	45
☐	60
☐	75
☒	90
☐	105
☐	120
☐	135
☐	150
☐	165
☐	180

Frequency: 2450

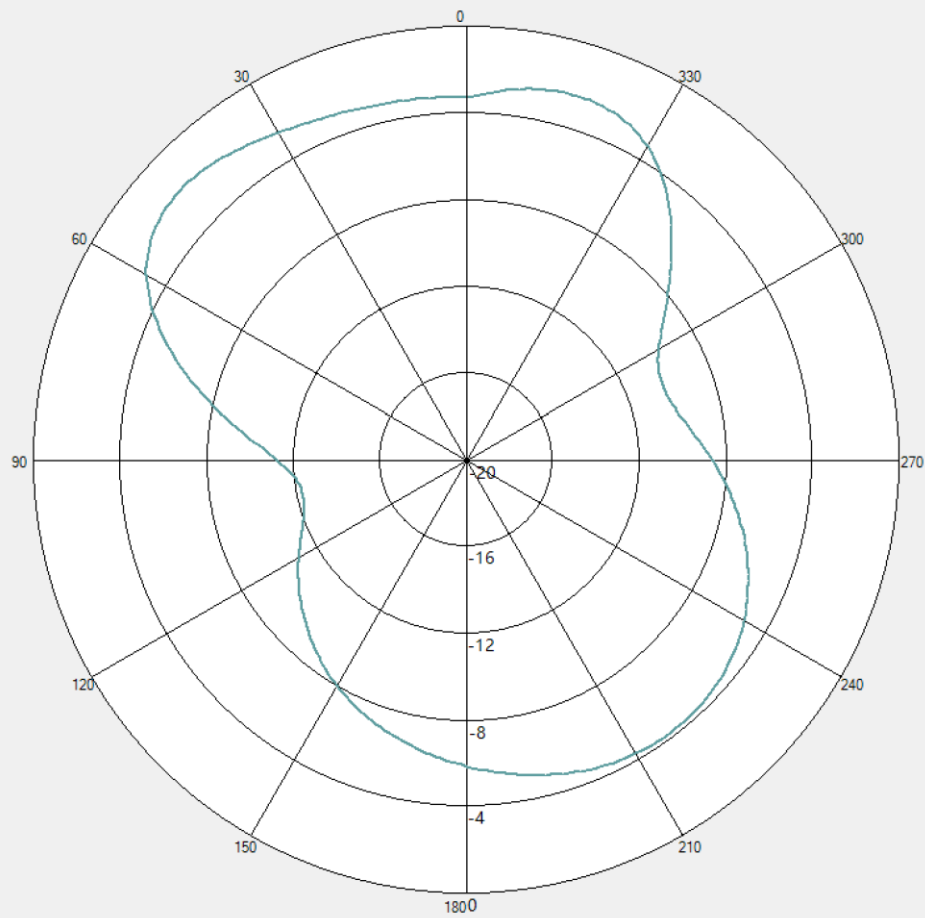
☒ Theta Section ☐ Phi Section

☐ Theta

☐ Phi

☒ Total

☐ Select All

☐ Show Front-to-Back Ratio


2450

Visible	Theta
☐	0
☐	15
☐	30
☐	45
☐	60
☐	75
☐	90
☐	105
☒	120
☐	135
☐	150
☐	165
☐	180

Frequency: 2450

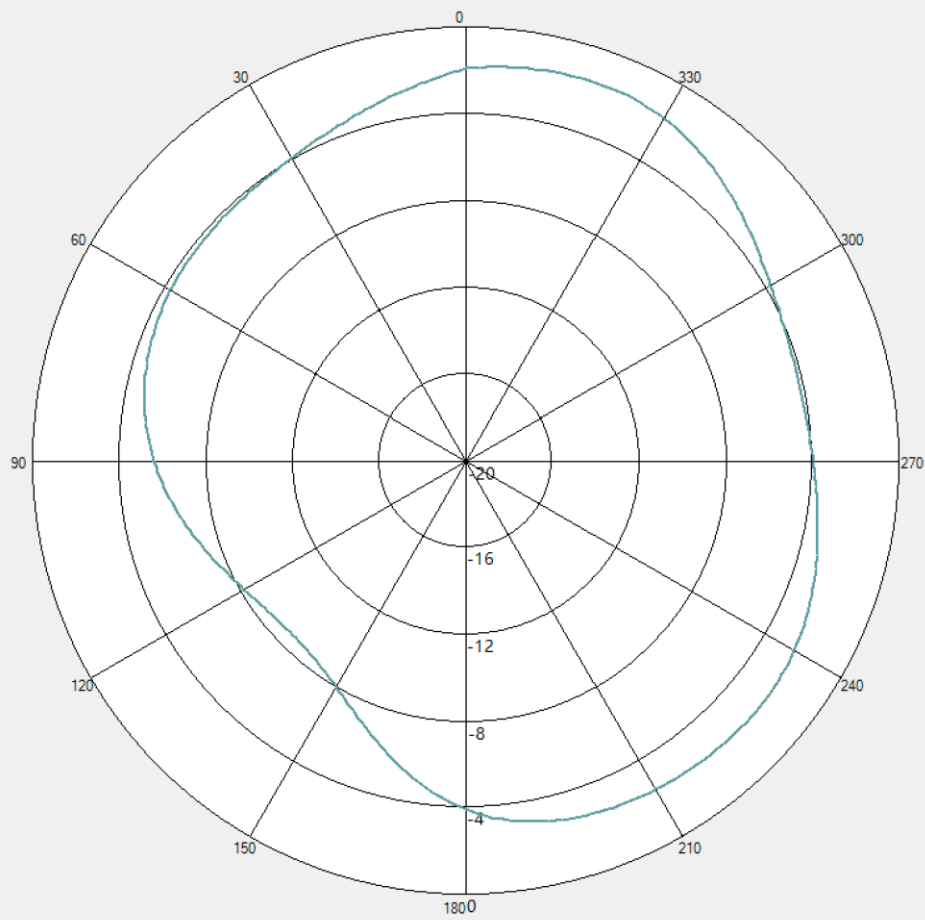
☒ Theta Section ☐ Phi Section

☐ Theta

☐ Phi

☒ Total

☐ Select All

☐ Show Front-to-Back Ratio


2450

Visible	Theta
☐	0
☐	15
☐	30
☐	45
☐	60
☐	75
☐	90
☐	105
☐	120
☐	135
☒	150
☐	165
☐	180