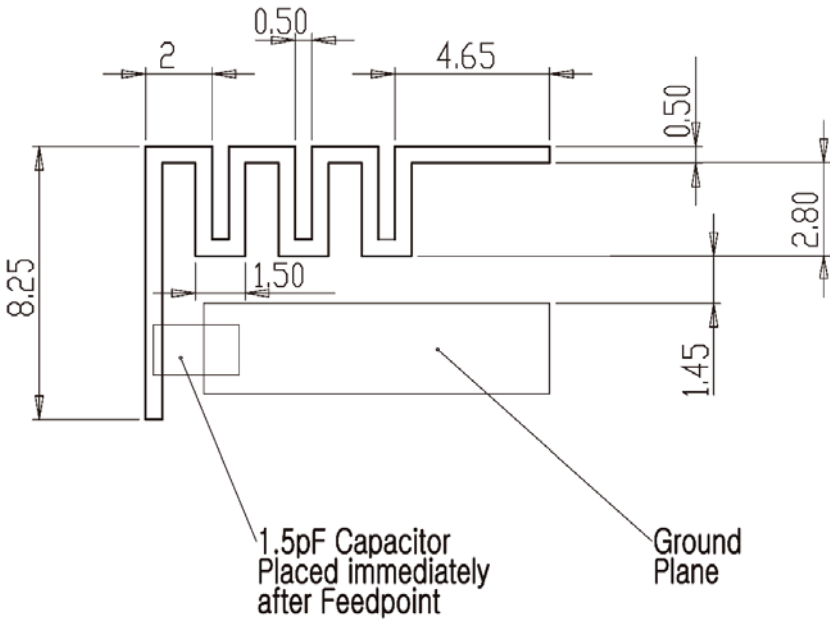


Appearance and Dimensions



Approximate Dimensions of Meander Line Antenna

Electrical Specifications

ITEM	SPEC	UNIT
Center Frequency	2.4 ~ 2.485	GHz
Gain	-5.82	dBi
Impedance	50	ohm

Mechanical Specification

ITEM	SPEC	UNIT
Size	8.25	mm
Material	Brass	
Operation Temperature	140 ~ 90	C



No.	Freq.
1	2.402
2	2.441
3	2.480

Data Set

Polarization : (-) Axial R

Cut : 90 [deg]

Freq. : [GHz]

2.402
2.441
2.480

Param.

BW[dB] :

- 3

F/B[deg] :

± 30

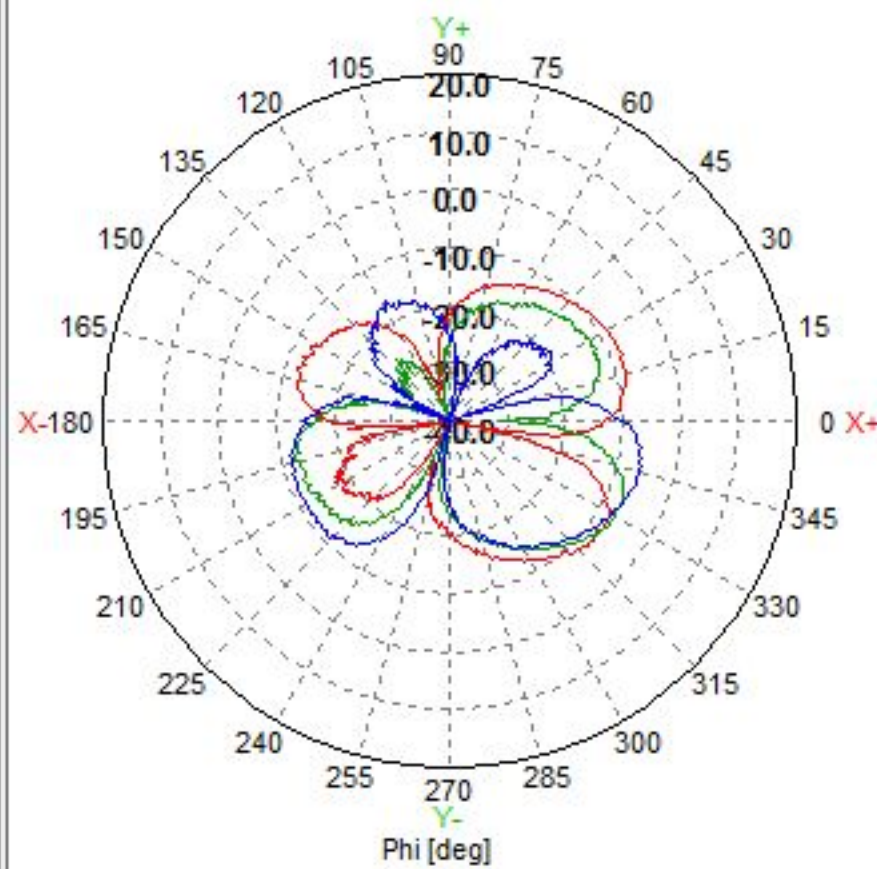
Lobe Filter

[dB] : 1

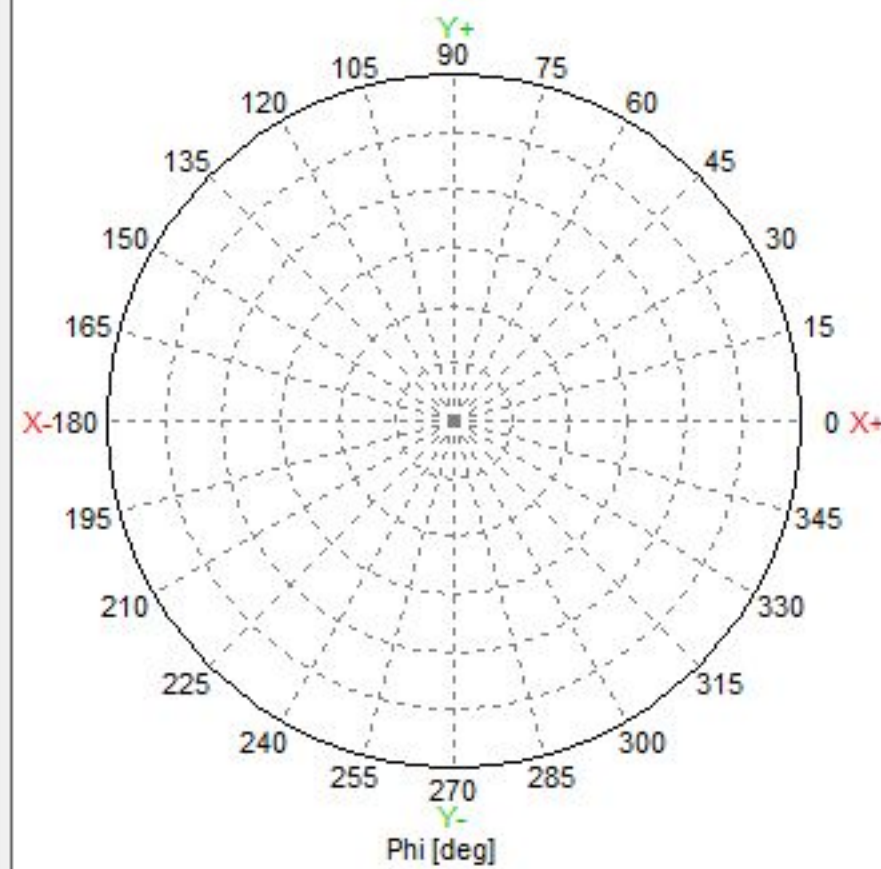
Apply

(-) Axial Ratio, Cut #1($\theta=90$)

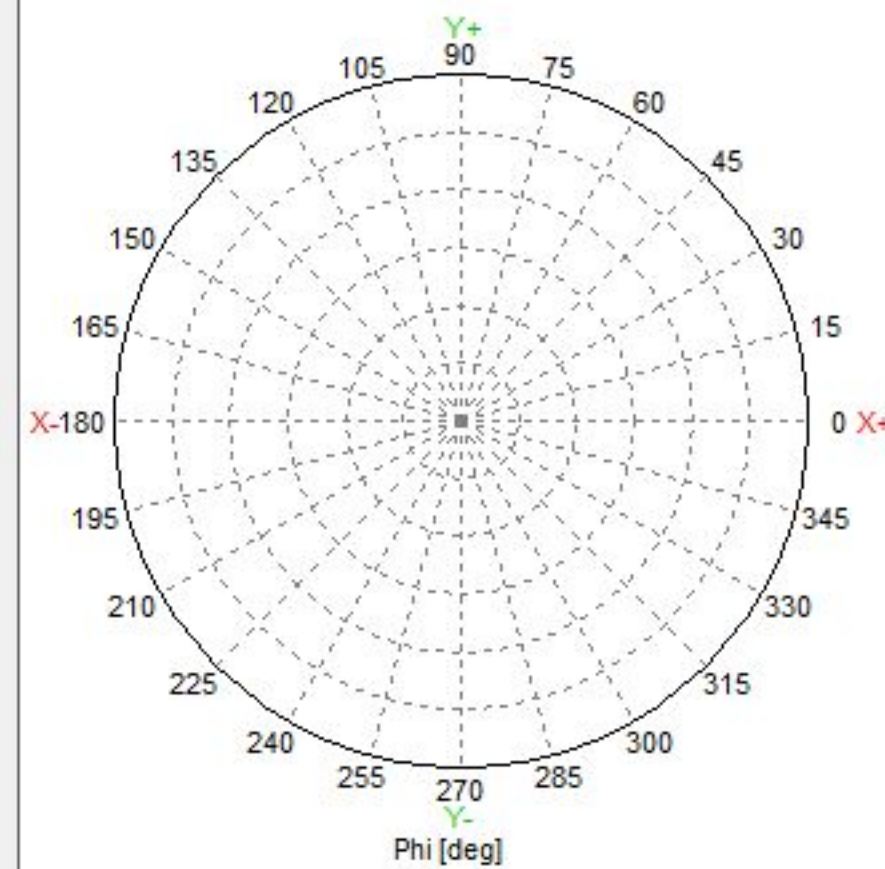
Ratio [dB]



Ratio [dB]



Ratio [dB]



Graph Option

Style

☒ Polar☐ Rect
angular

Mark

☐ Beam Peak☐ Beam Width☐ Side Lobes

Zoom

Cut #1

Cut #2

Cut #3

Scale

Max : 20

Min : -40

Apply

☐ Report FormMicrowave
Technologies
Group



No.	Freq.
1	2.402
2	2.441
3	2.480

Data Set

Polarization : LHCP

Cut : 90 [deg]

Freq. : [GHz]

2.402
2.441
2.480

Param.

BW[dB] :

- 3

F/B[deg] :

± 30

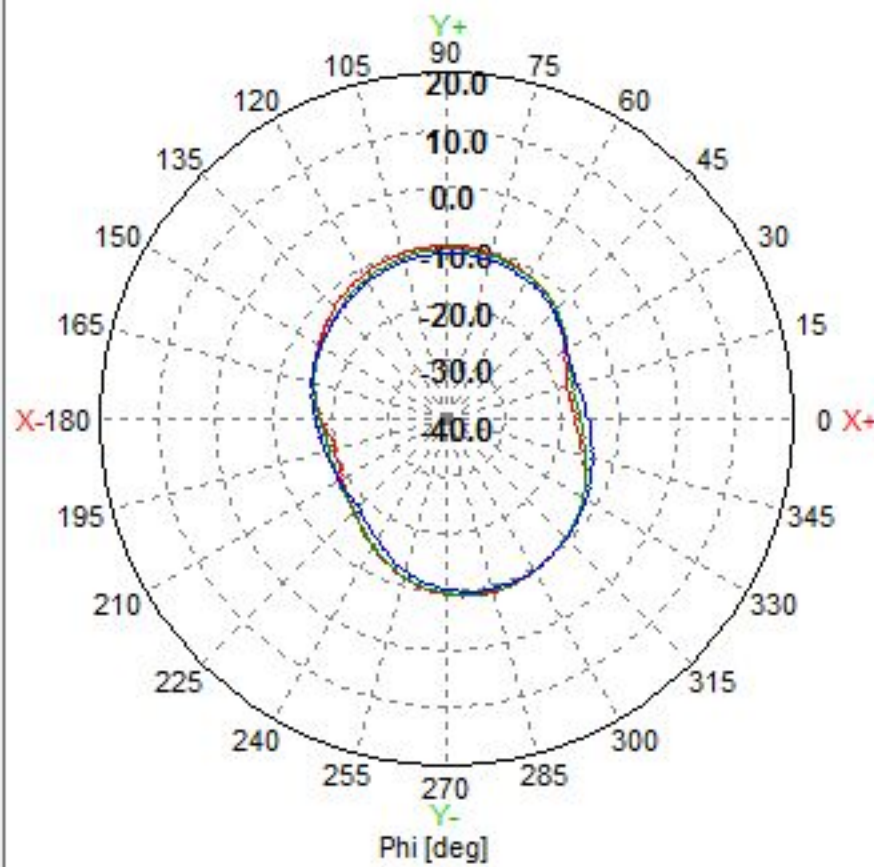
Lobe Filter

[dB] : 1

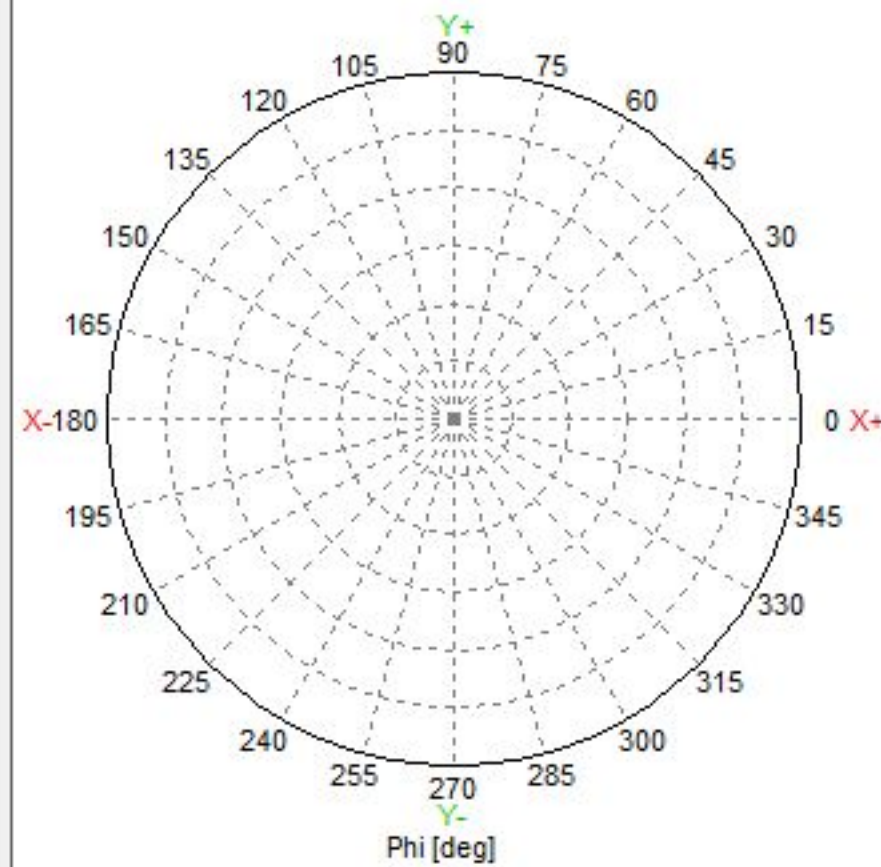
Apply

LHCP, Cut #1($\theta=90$)

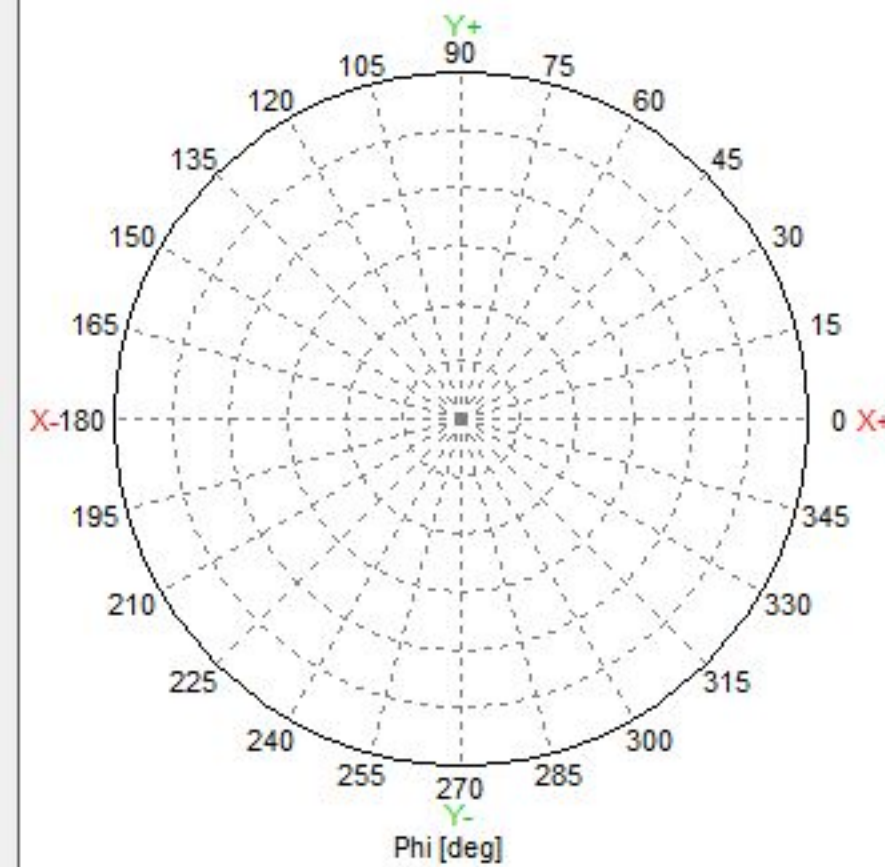
Gain [dBic]



Gain [dBic]



Gain [dBic]



Graph Option

Style

☒ Polar☐ Rect
angular

Mark

☐ Beam Peak☐ Beam Width☐ Side Lobes

Zoom

Cut #1

Cut #2

Cut #3

Scale

Max : 20

Min : -40

Apply

☐ Report FormMicrowave
Technologies
Group

[illegible]

Data Set

Polarization : ϕ -pol(V) ▼

Cut : [deg]

Freq. : [GHz]

2,402
2,441
2,480

Param.

BW[dB] :

- 3

F/B[deg] :

\pm

Lobe Filter

[dB] :

Apply

Graph Option

Style

Mark

☒ Polar☐ Beam Peak

☐ Rect _
angular

☐ Beam Width☐ Side Lobes

Zoom

Cut #1

Cut #2

Cut #3

Scale

Max : 20

Min : -41

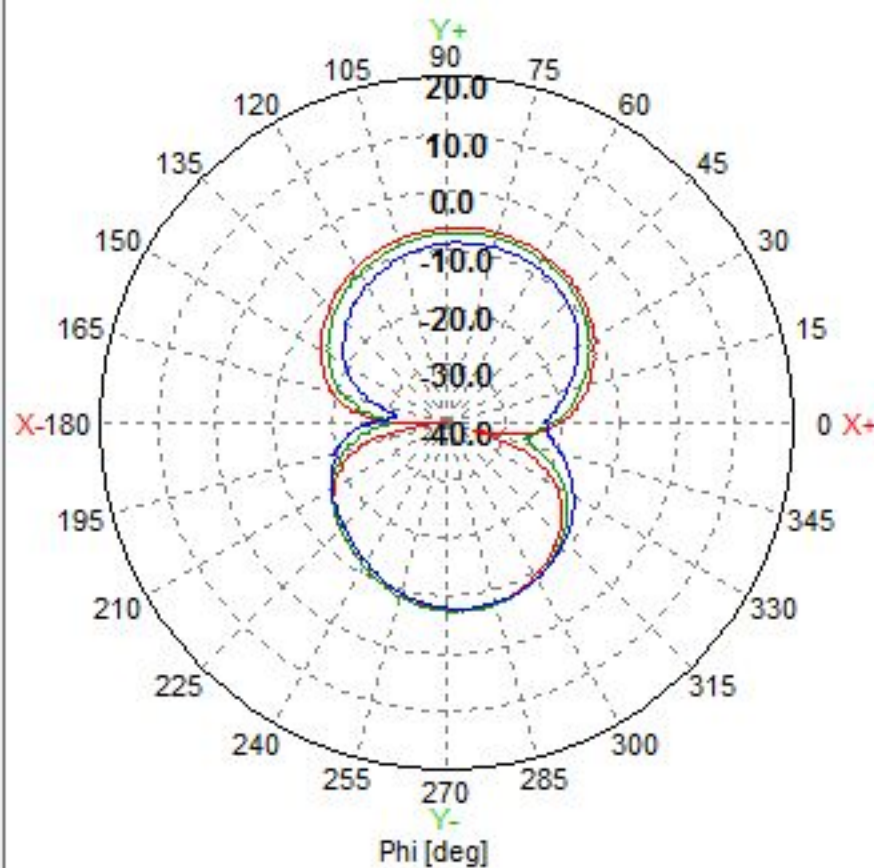
Apply

☐ Report Form

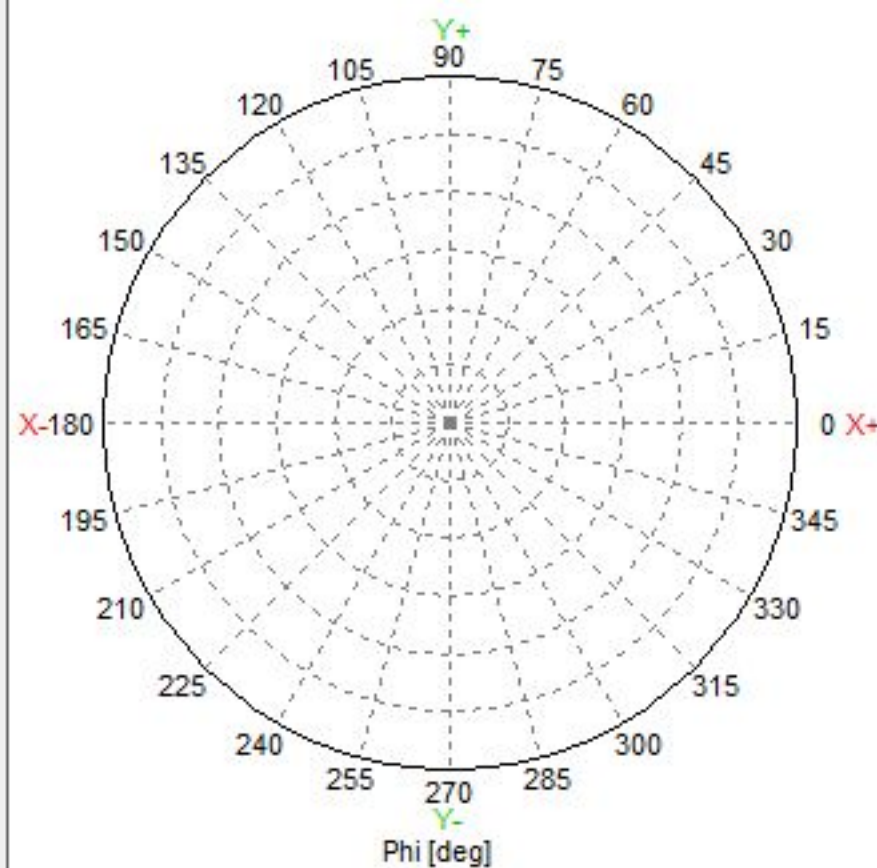
Microwave Technologies Group

ϕ -Pol(V), Cut #1($\theta=90$)

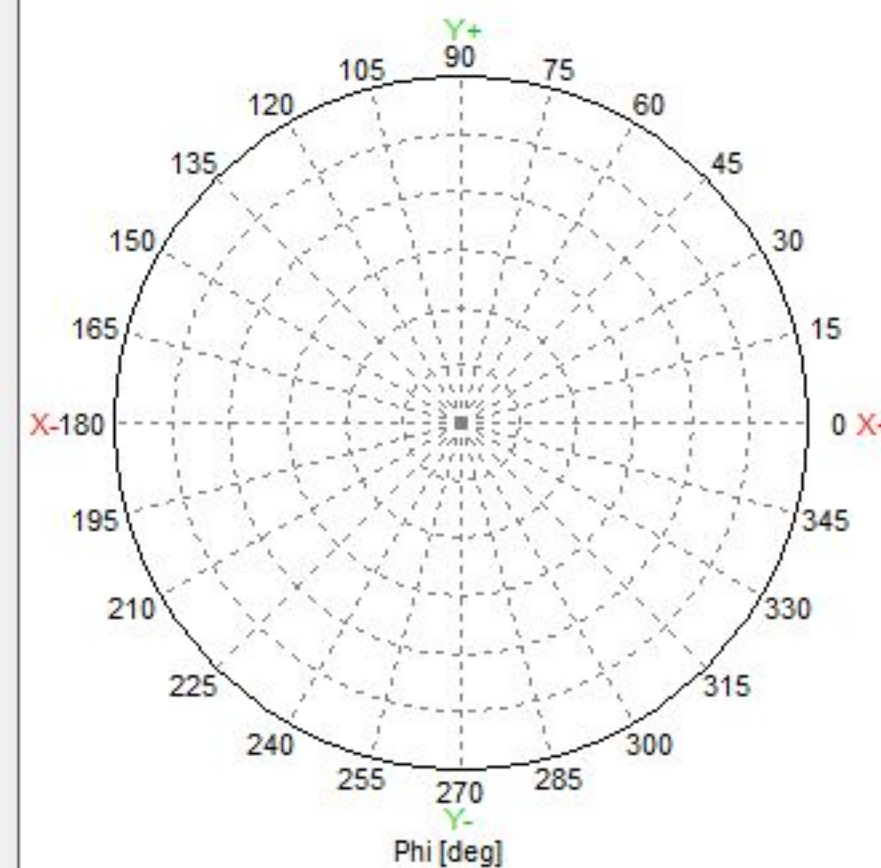
Gain [dBi]



Gain [dBi]



Gain [dBi]



SummaryMultiple FrequencyReserved

Operator :Operator NameDate :2014-07-10

Customer :Customer NameTime :오후 1:25:27


Description :Test Descriptions

Antenna Type

☐ Linear Polarization Type

☒ Circular Polarization Type

2D Result Summary : (ScanAxis = Phi at $\theta=90$ [deg])

	θ -Pol(H)						ϕ -Pol(V)						RHCP				LHCP				(-)A.R.		
No	Freq.[GHz]	Avg.[dBi]	Peak[dBi]	ϕ [deg]	Null[dBi]	ϕ [deg]	Avg.[dBi]	Peak[dBi]	ϕ [deg]	Null[dBi]	ϕ [deg]		Av.[dBic]	Pk.[dBic]	ϕ [deg]	NI[dBic]	ϕ [deg]	Av.[dBic]	Pk.[dBic]	ϕ [deg]	NI[dBic]	ϕ [deg]	Max[dB]
1	2.402	-16.32	-12.60	2.00	-48.07	246.00	-10.31	-5.82	79.00	-43.03	185.00		-12.12	-7.30	62.00	-20.61	177.00	-12.60	-8.91	288.00	-20.24	191.00	-7.42
2	2.441	-16.34	-13.42	180.00	-50.88	254.00	-10.76	-6.78	77.00	-30.44	180.00		-12.60	-8.82	65.00	-21.97	337.00	-12.82	-9.08	284.00	-19.17	195.00	-6.88
3	2.480	-15.94	-12.42	166.00	-49.06	261.00	-11.87	-7.58	279.00	-31.11	173.00		-13.81	-11.22	279.00	-23.63	347.00	-13.10	-9.46	290.00	-18.77	217.00	-5.93

SummaryMultiple FrequencyReserved

Operator :Operator NameDate :2014-07-10

Customer :Customer NameTime :오후 1:25:27


Description :Test Descriptions

Antenna Type

☒ Linear Polarization Type

☐ Circular Polarization Type

2D Result Summary : (ScanAxis = Phi at $\theta=90$ [deg])

		θ -Pol(H)					ϕ -Pol(V)					PwrSum				
No	Freq.[GHz]	Avg.[dBi]	Peak[dBi]	ϕ [deg]	Null[dBi]	ϕ [deg]	Avg.[dBi]	Peak[dBi]	ϕ [deg]	Null[dBi]	ϕ [deg]	Avg.[dBi]	Peak[dBi]	ϕ [deg]	Null[dBi]	ϕ [deg]
1	2.402	-16.32	-12.60	2.00	-48.07	246.00	-10.31	-5.82	79.00	-43.03	185.00	-9.34	-5.69	65.00	-16.68	191.00
2	2.441	-16.34	-13.42	180.00	-50.88	254.00	-10.76	-6.78	77.00	-30.44	180.00	-9.70	-6.72	73.00	-14.33	350.00
3	2.480	-15.94	-12.42	166.00	-49.06	261.00	-11.87	-7.58	279.00	-31.11	173.00	-10.43	-7.37	279.00	-14.60	1.00

No.	Freq.
1	2.402
2	2.441
3	2.480

Data Set

Polarization : (-) Axial R

Cut : 90 [deg]

Freq. : [GHz]

2.402
2.441
2.480

Param.

BW[dB] :

- 3

F/B[deg] :

± 30

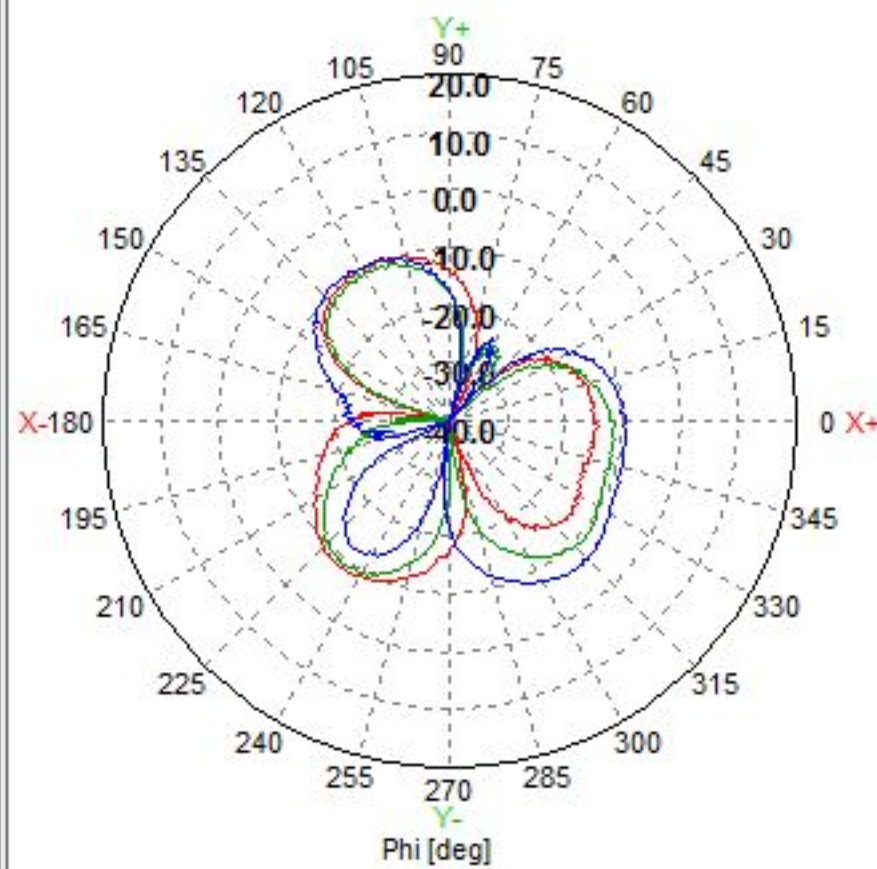
Lobe Filter

[dB] : 1

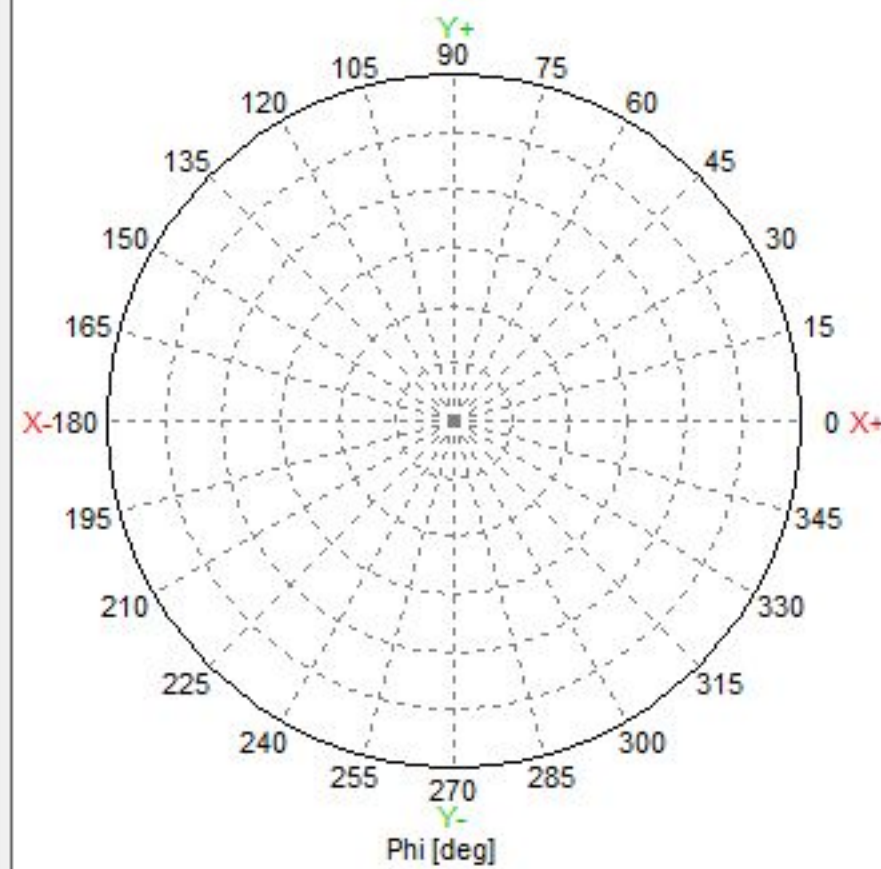
Apply

(-) Axial Ratio, Cut #1($\theta=90$)

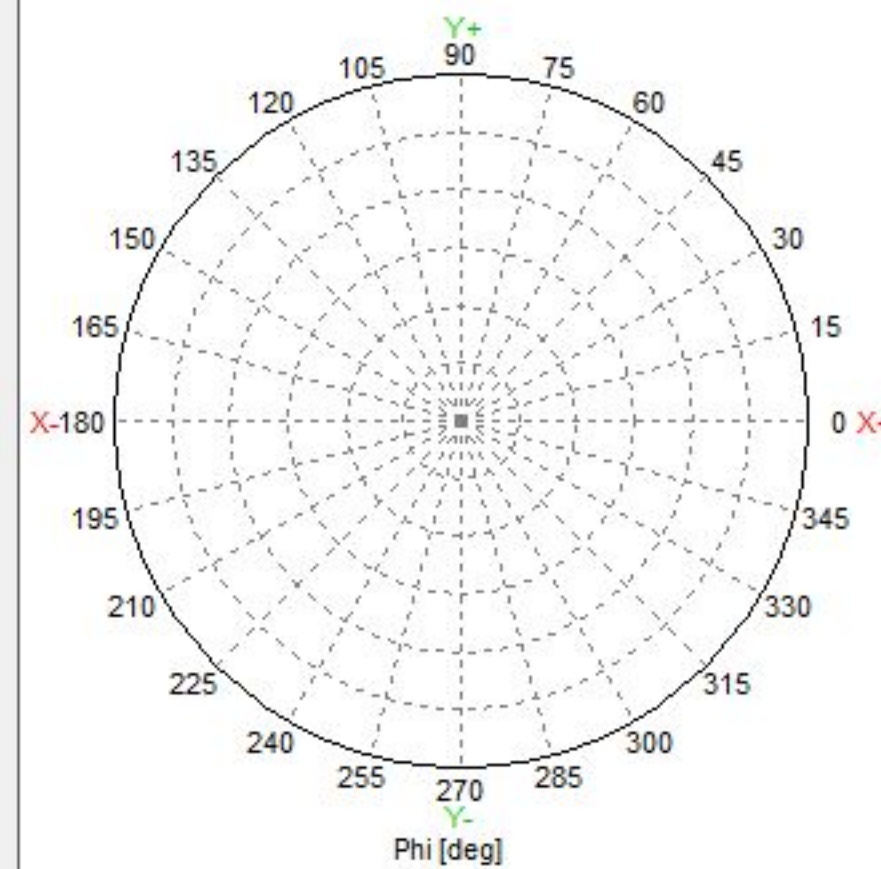
Ratio [dB]



Ratio [dB]



Ratio [dB]



Graph Option

Style

☒ Polar☐ Rect
angular

Mark

☐ Beam Peak☐ Beam Width☐ Side Lobes

Zoom

Cut #1

Cut #2

Cut #3

Scale

Max : 20

Min : -40

Apply

☐ Report FormMicrowave
Technologies
Group



No.	Freq.
1	2.402
2	2.441
3	2.480

Data Set

Polarization : LHCP

Cut : 90 [deg]

Freq. : [GHz]

2.402
2.441
2.480

Param.

BW[dB] :

- 3

F/B[deg] :

± 30

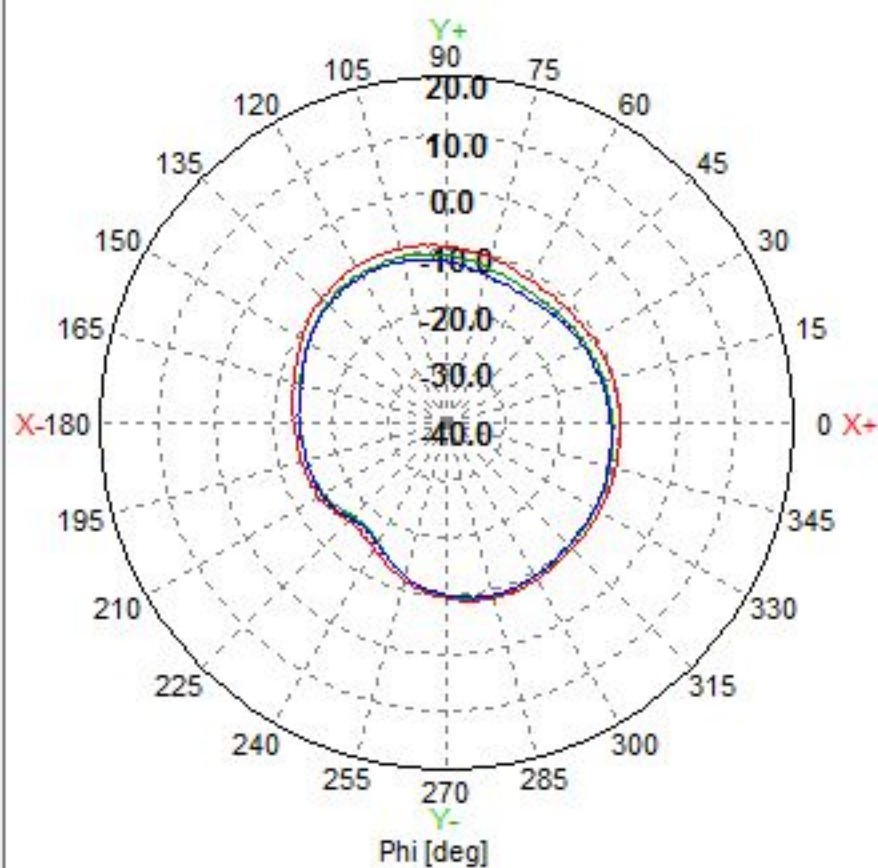
Lobe Filter

[dB] : 1

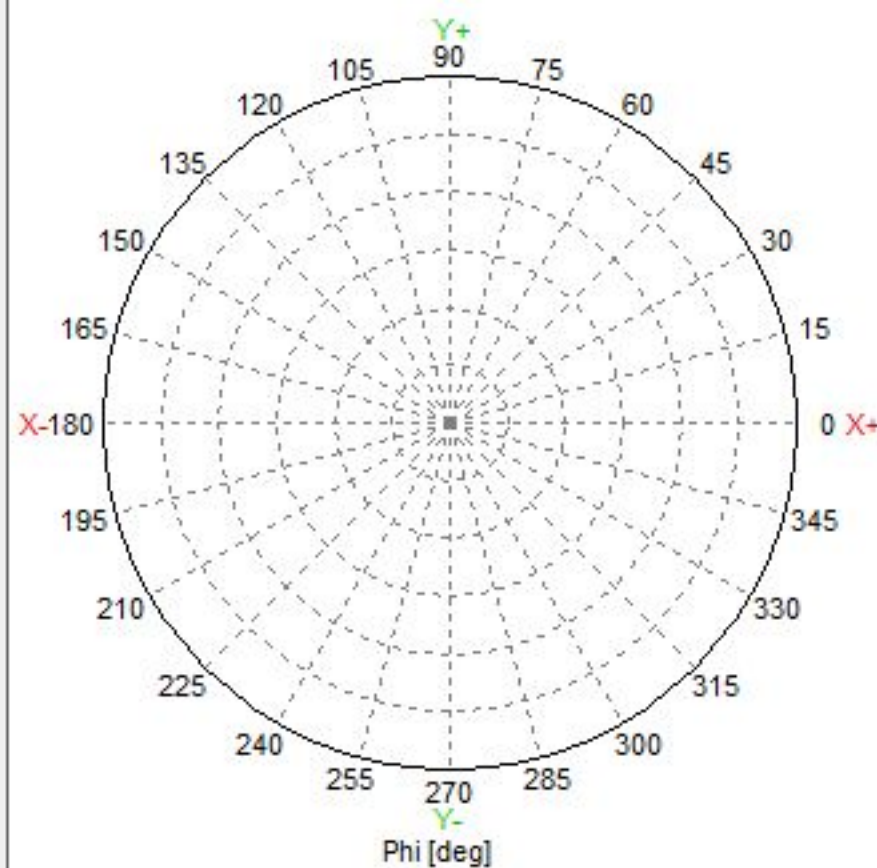
Apply

LHCP, Cut #1($\theta=90$)

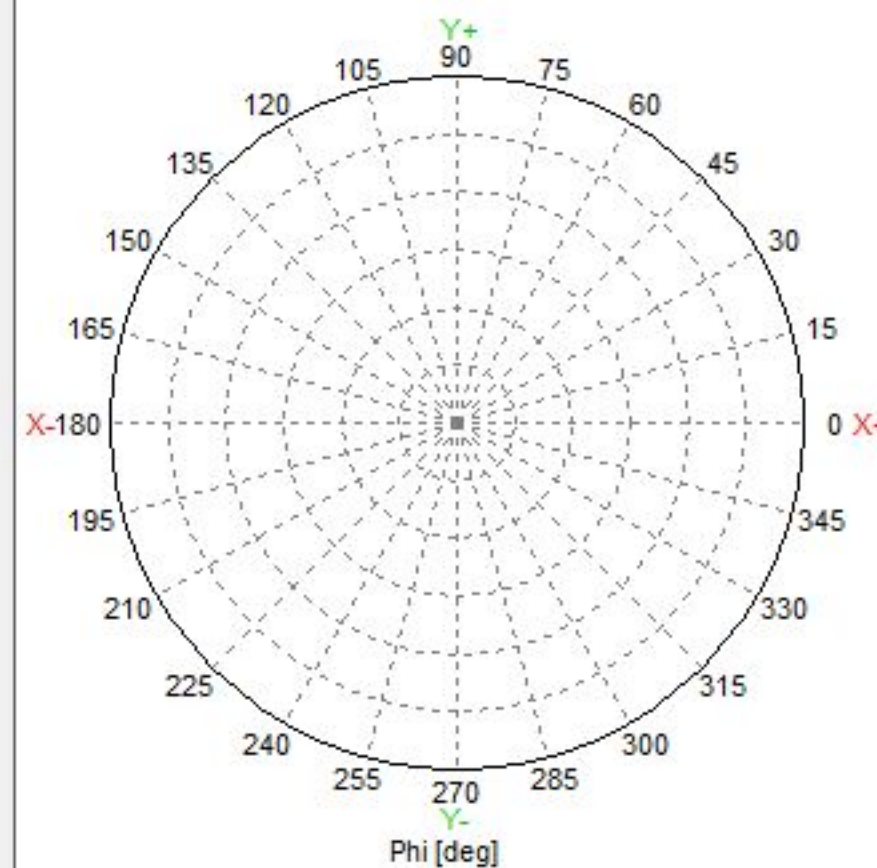
Gain [dBic]



Gain [dBic]



Gain [dBic]



Graph Option

Style

☒ Polar☐ Rect
angular

Mark

☐ Beam Peak☐ Beam Width☐ Side Lobes

Zoom

Cut #1

Cut #2

Cut #3

Scale

Max : 20

Min : -40

Apply

☐ Report FormMicrowave
Technologies
Group

[illegible]

Data Set

Polarization : ϕ -pol(V) ▾

Cut : 90 [deg]

Freq. : [GHz]

2.402
2.441
2.480

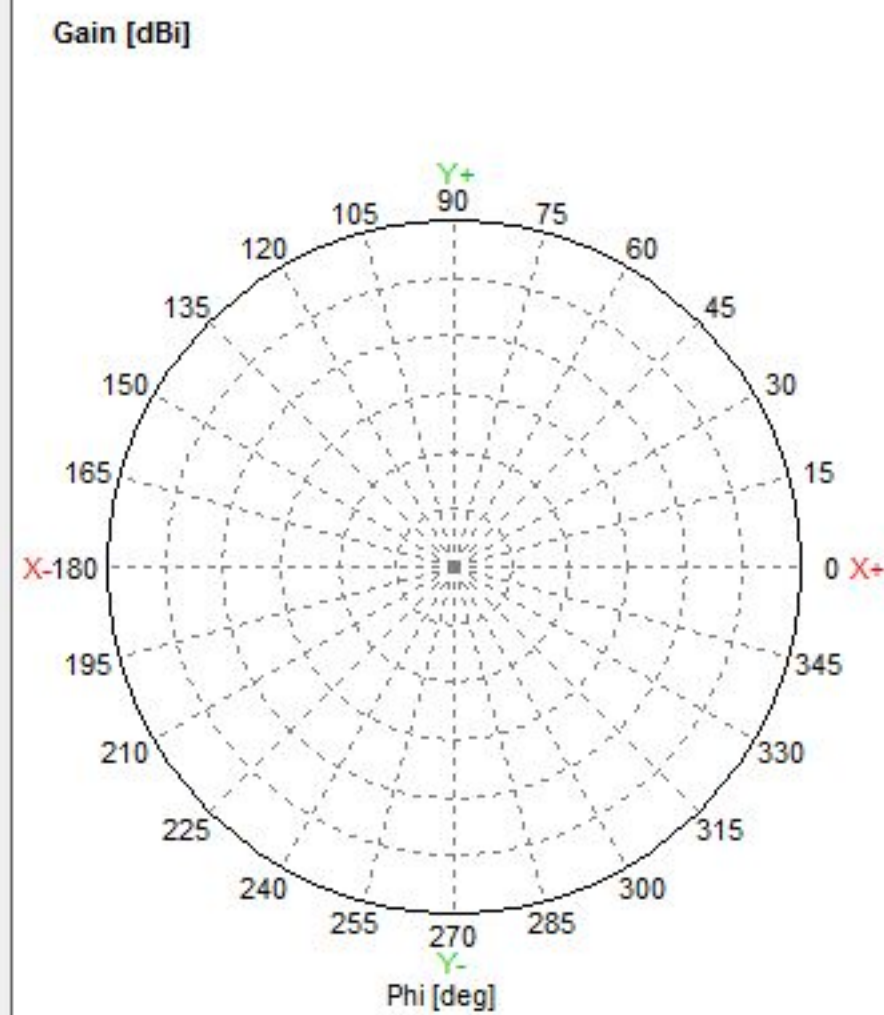
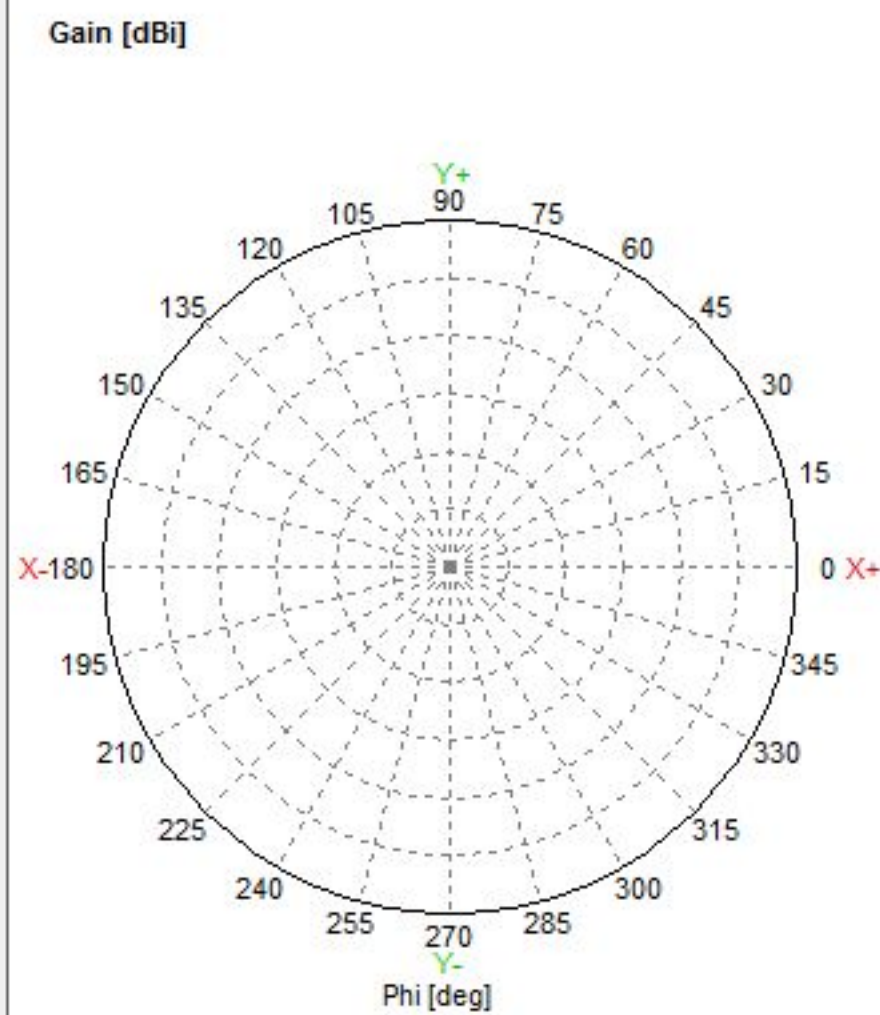
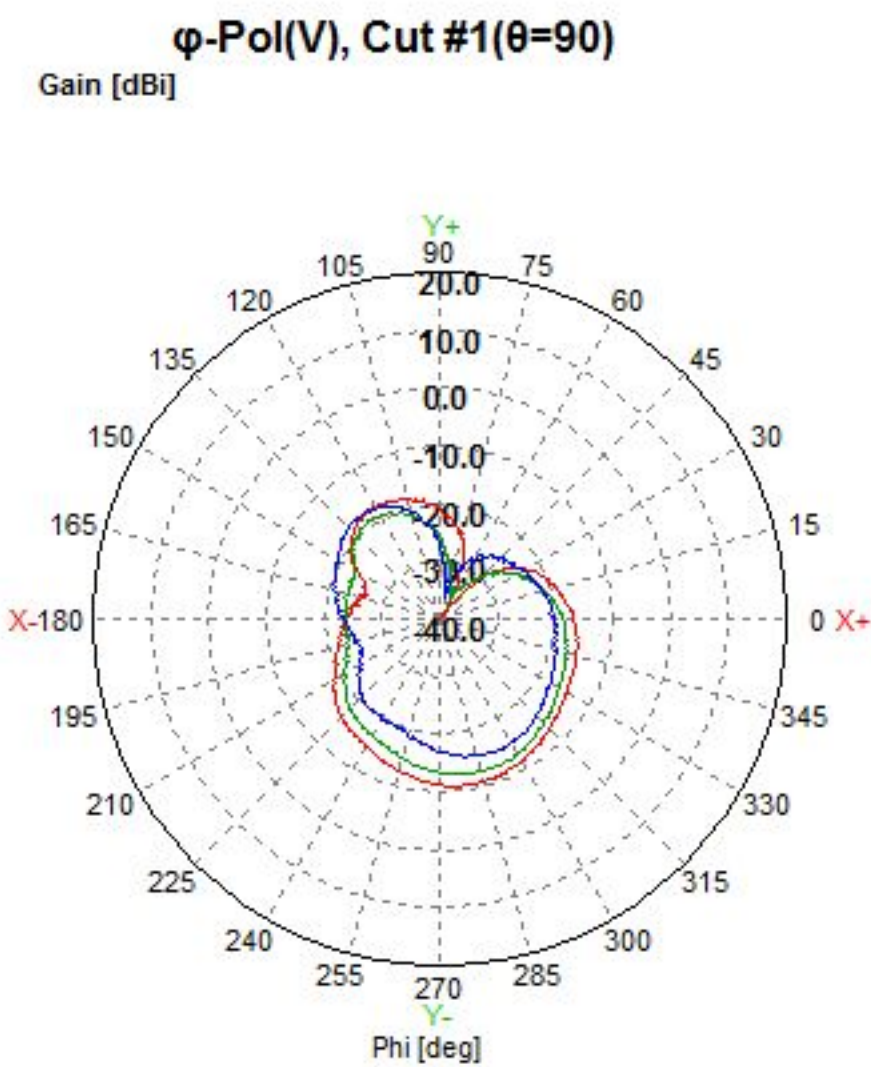
Param.

BW[dB] : - 3

F/B[deg] : ± 30

Lobe Filter [dB] : 1

Apply



Graph Option

Style	Mark
<input checked="" type="radio"/> Polar	<input type="checkbox"/> Beam Peak
<input type="radio"/> Rectangular	<input type="checkbox"/> Beam Width
	<input type="checkbox"/> Side Lobes

Zoom

Cut #1	Cut #2	Cut #3

Scale

Max :

Min :

Apply

☐ Report Form

[illegible]

Data Set

Polarization : RHCP

Cut : 90 [deg]

Freq. : 2,402 [GHz]

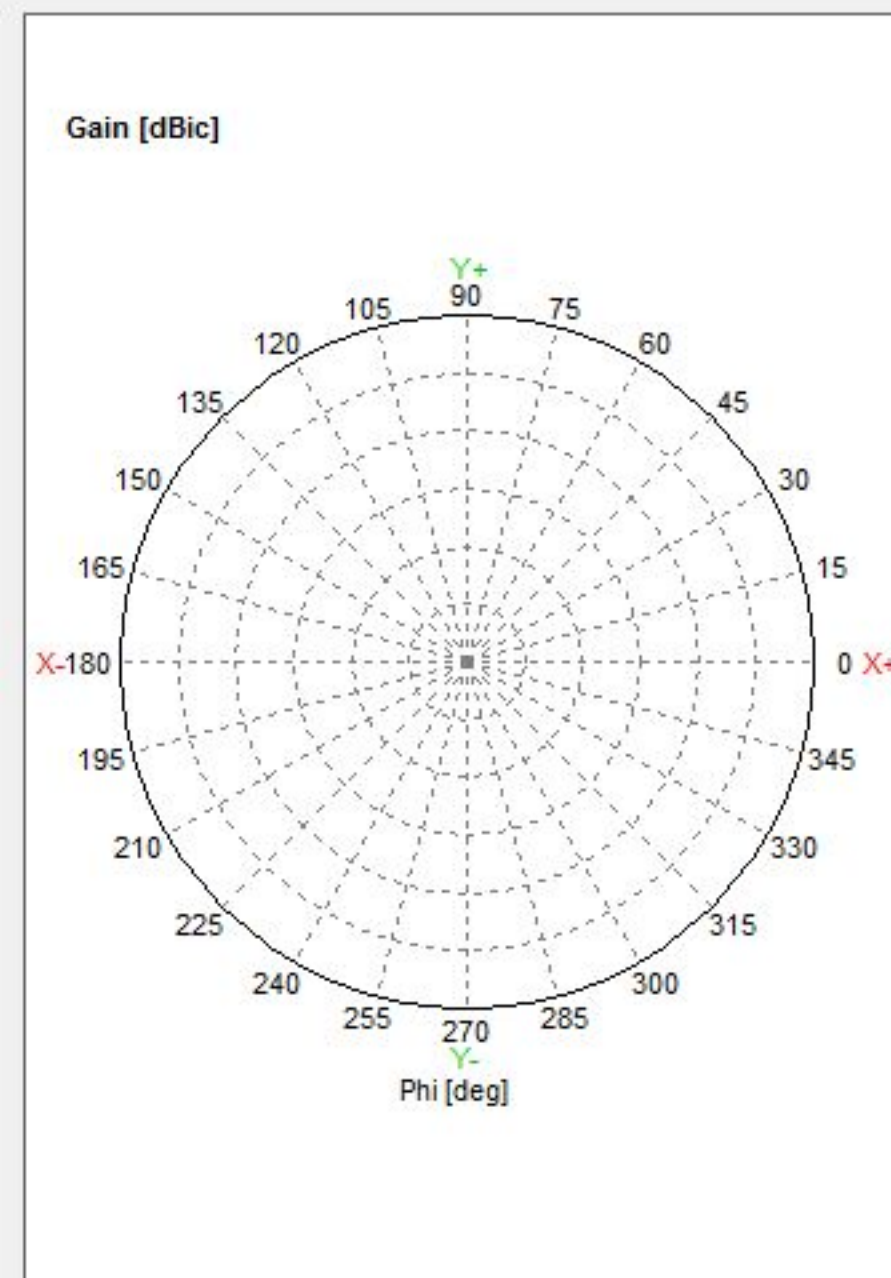
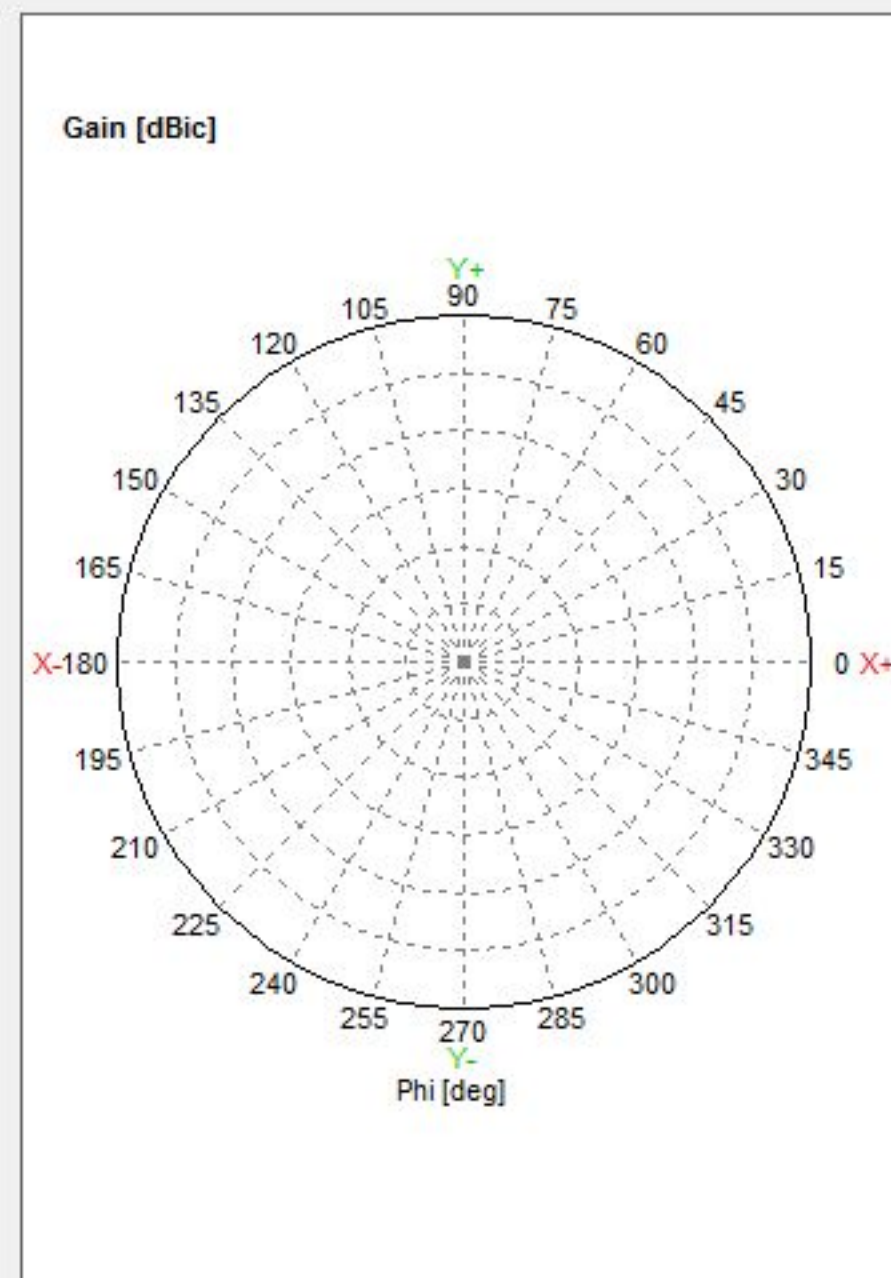
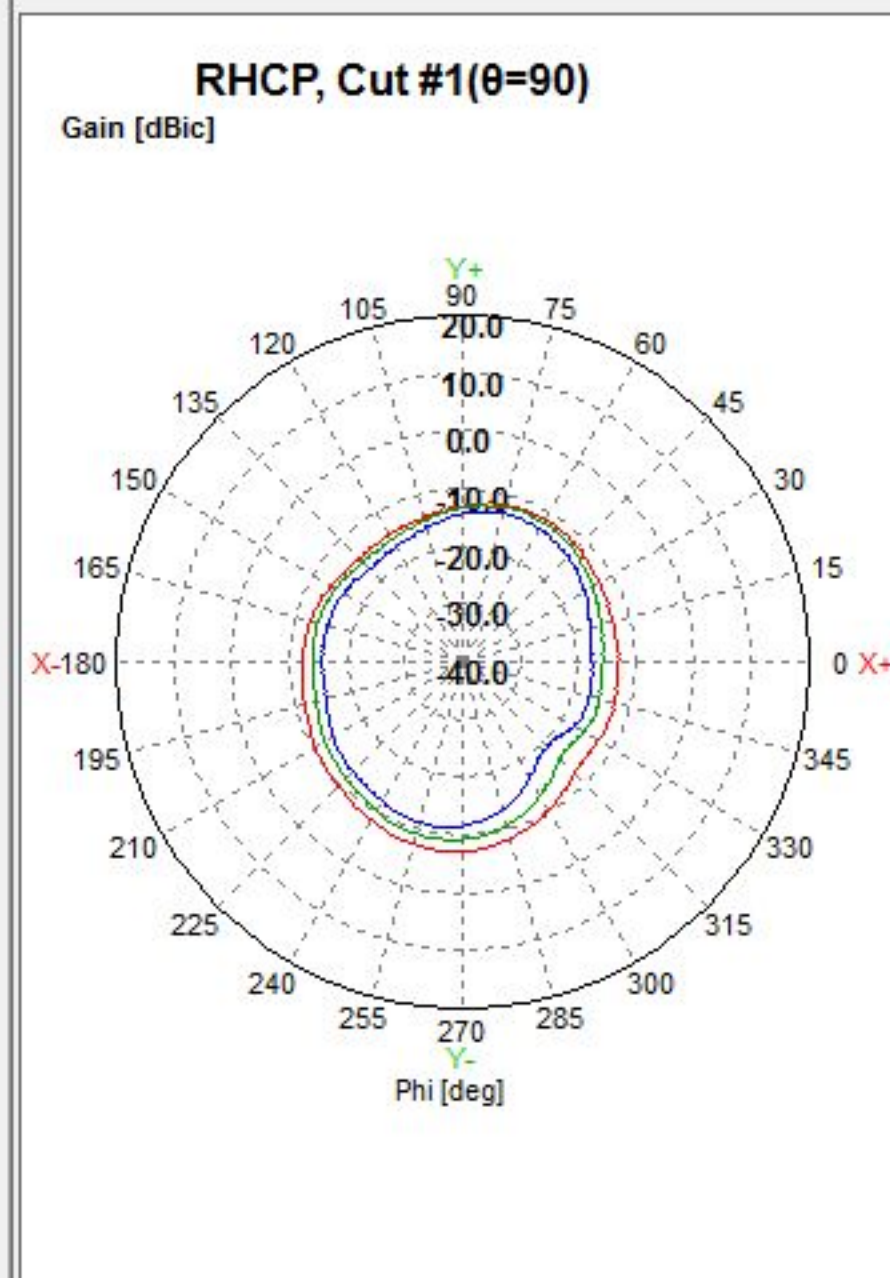
Param.

BW[dB] : - 3

F/B[deg] : ± 30

Lobe Filter [dB] : 1

Apply



Graph Option

Style	Mark
<input checked="" type="radio"/> Polar	<input type="checkbox"/> Beam Peak
<input type="radio"/> Rectangular	<input type="checkbox"/> Beam Width
	<input type="checkbox"/> Side Lobes

Zoom

Cut #1	Cut #2	Cut #3


Scale

Max :

Min :

Apply

☐ Report Form



Microwave Technologies Group



No.	Freq.
1	2.402
2	2.441
3	2.480

Data Set

Polarization : θ -pol(H)

Cut : 90 [deg]

Freq. : [GHz]

2.402
2.441
2.480

Param.

BW[dB] :

- 3

F/B[deg] :

 \pm 30

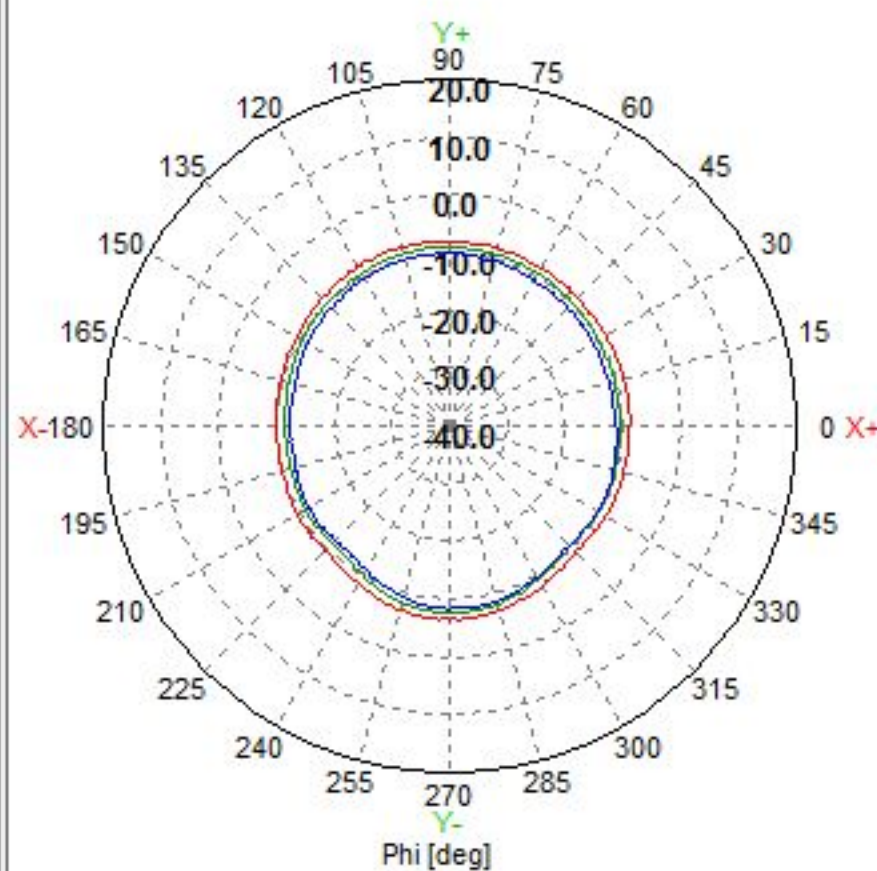
Lobe Filter

[dB] : 1

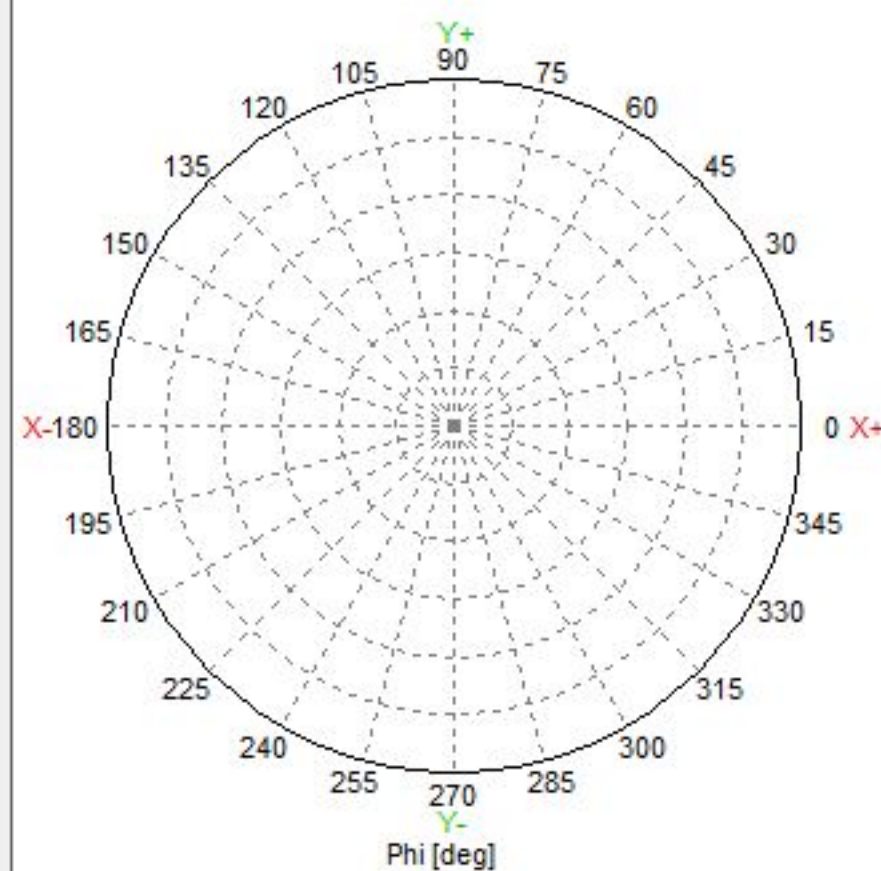
Apply

 θ -Pol(H), Cut #1($\theta=90$)

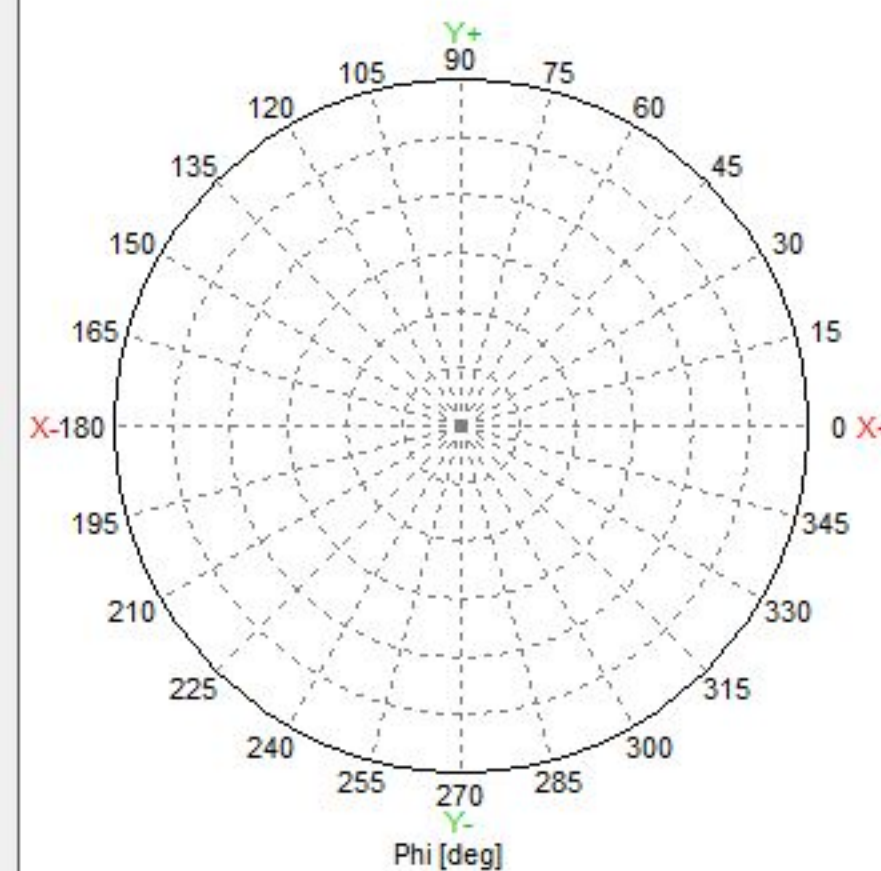
Gain [dBi]



Gain [dBi]



Gain [dBi]



Graph Option

Style

☒ Polar☐ Rect
angular

Mark

☐ Beam Peak☐ Beam Width☐ Side Lobes

Zoom

Cut #1

Cut #2

Cut #3

Scale

Max : 20

Min : -40

Apply

☐ Report FormMicrowave
Technologies
Group

Summary

Multiple Frequency

Reserved

Operator :
Operator Name

Date :
2014-07-10

Customer :
Customer Name

Time :
오후 1:31:58


Description :
Test Descriptions

Antenna Type

☐ Linear Polarization Type

☒ Circular Polarization Type

2D Result Summary : (ScanAxis = Phi at θ =90 [deg])

		θ-Pol(H)					φ-Pol(V)					RHCP					LHCP					(-)A.R.	
No	Freq.[GHz]	Avg.[dBi]	Peak[dBi]	φ[deg]	Null[dBi]	φ[deg]	Avg.[dBi]	Peak[dBi]	φ[deg]	Null[dBi]	φ[deg]	Av.[dBic]	Pk.[dBic]	φ[deg]	NI[dBic]	φ[deg]	Av.[dBic]	Pk.[dBic]	φ[deg]	NI[dBic]	φ[deg]	Max[dB]	
1	2.402	-8.52	-6.44	273.00	-10.26	188.00	-16.20	-10.78	283.00	-56.93	54.00	-11.12	-7.11	262.00	-15.02	126.00	-10.58	-8.42	291.00	-16.19	231.00	-8.35	
2	2.441	-9.85	-7.59	273.00	-11.67	194.00	-17.99	-12.57	287.00	-37.25	64.00	-12.87	-8.96	260.00	-16.56	319.00	-11.68	-8.97	291.00	-17.37	231.00	-9.01	
3	2.480	-10.69	-8.31	275.00	-12.52	192.00	-19.67	-15.06	296.00	-36.23	77.00	-14.74	-11.11	260.00	-19.39	313.00	-12.03	-9.08	288.00	-16.98	231.00	-6.20	



SummaryMultiple FrequencyReserved

Operator :Operator NameDate :2014-07-10

Customer :Customer NameTime :오후 1:31:58


Description :Test Descriptions

Antenna Type

☒ Linear Polarization Type

☐ Circular Polarization Type

2D Result Summary : (ScanAxis = Phi at θ =90 [deg])

		θ -Pol(H)					ϕ -Pol(V)					PwrSum				
No	Freq.[GHz]	Avg.[dBi]	Peak[dBi]	ϕ [deg]	Null[dBi]	ϕ [deg]	Avg.[dBi]	Peak[dBi]	ϕ [deg]	Null[dBi]	ϕ [deg]	Avg.[dBi]	Peak[dBi]	ϕ [deg]	Null[dBi]	ϕ [deg]
1	2.402	-8.52	-6.44	273.00	-10.26	188.00	-16.20	-10.78	283.00	-56.93	54.00	-7.84	-5.14	273.00	-10.03	188.00
2	2.441	-9.85	-7.59	273.00	-11.67	194.00	-17.99	-12.57	287.00	-37.25	64.00	-9.23	-6.51	273.00	-11.40	194.00
3	2.480	-10.69	-8.31	275.00	-12.52	192.00	-19.67	-15.06	296.00	-36.23	77.00	-10.17	-7.66	283.00	-12.28	192.00