



RF-LAMBDA

The power beyond expectations

RCDLPHA3Go5

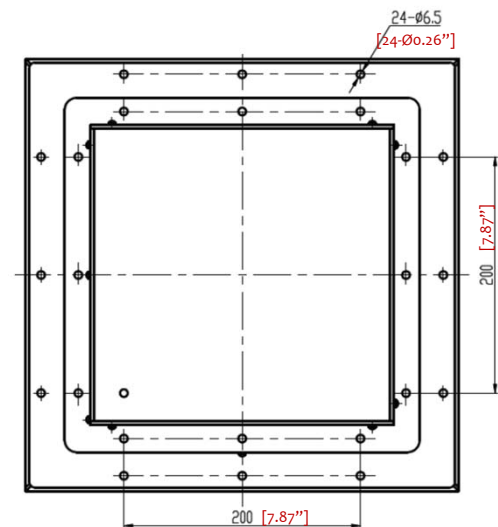
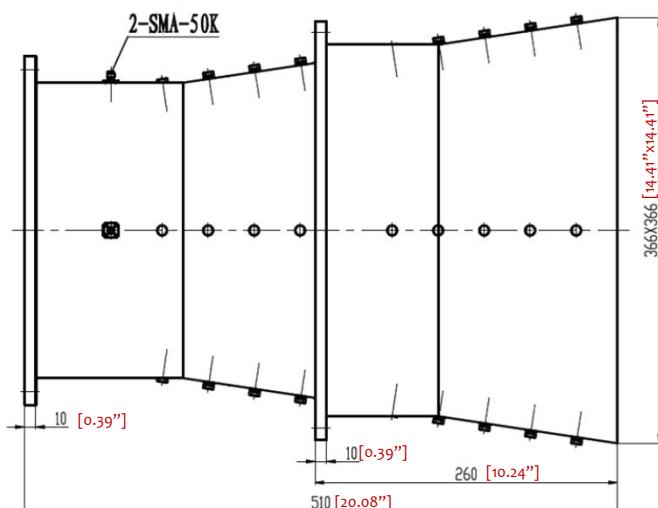
0.5~3.0GHz Coaxial Horn Quad-Ridge Antenna Double Line Polarization

Electrical and Environmental Specifications:

Frequency Range:	0.5-3.0GHz
Gain	± 22.5 degrees
boresight:	0 dBi minimum
Power:	100W CW
VSWR:	2.5:1 average 2:1 peak
Isolation:	25dB min >20 degree
Beam width (Az/EI):	45+/-15 degree
Axial Ratio:	< 1.0 dB
Power Handling:	100W CW, 200 W peak (<1% duty cycle)
Connector:	N-Female
Impedance:	50 ohm
Operational Temp. :	-55°C~+85° C
Storage Temp. :	-55°C~+100° C
Material:	Aluminum

Summary:

- . High power operational up to 100W CW
- . compacted package in high gain cross band.
- . Wide bandwidth, flat frequency response
- . MIL-E-5400 standard
- . Customized unit is available upon request.



0.5~3.0GHz Coaxial Horn Antenna Quad-Ridge Double Line Polarization



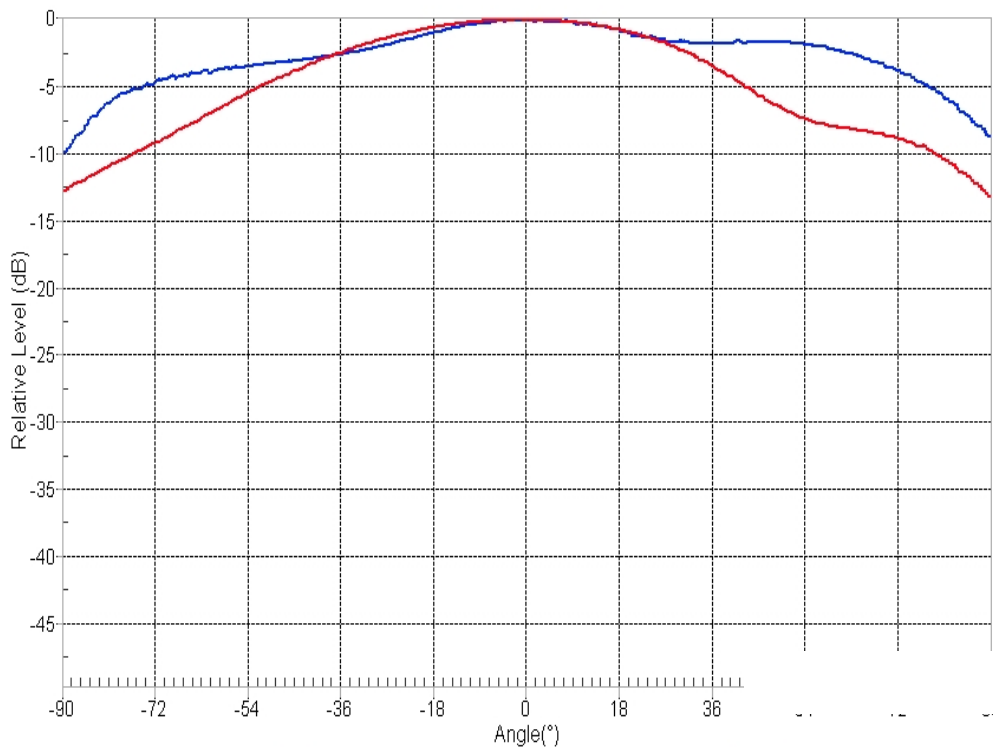
RF-LAMBDA

The power beyond expectations

RCDLPHA3G05

Dual Polarized Quad Ridged Horn Antenna

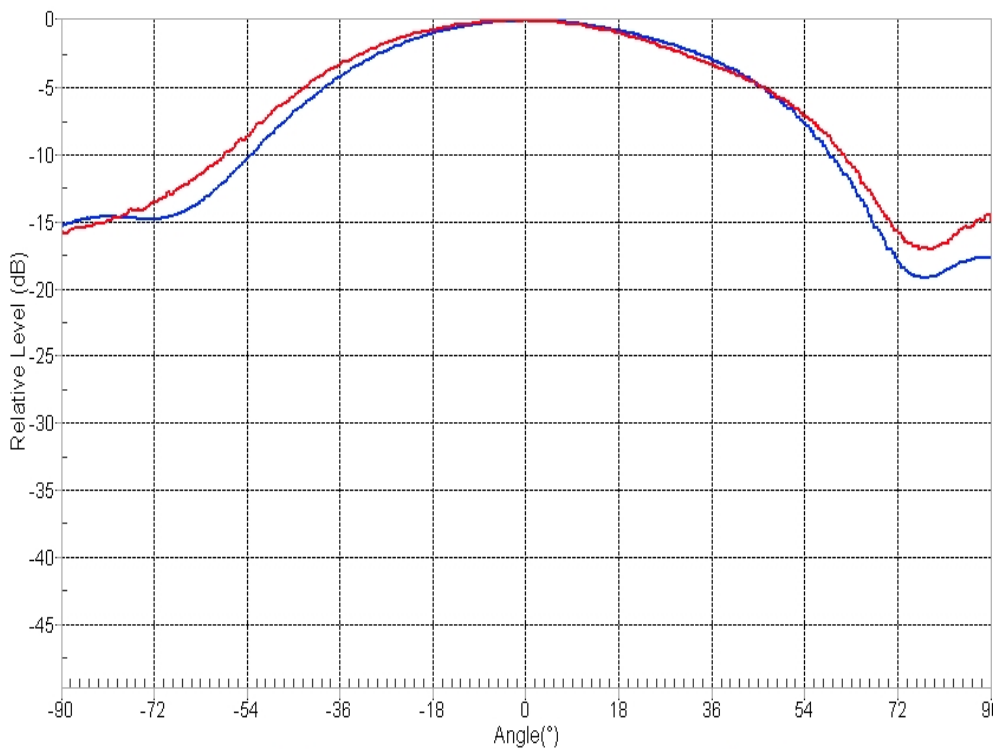
P/N: RCDLPHA3G05



Freq: 0.50GHz
Gain: 6.50dB
Port 1 E Plane BW:
-3dB : 110.00°
Port 1 H Plane BW:
-3dB : 73.52°
22.5 ° Descend Electrical
Level: 1.13dB
22.5°Gain: 5.37dB

Dual Polarized Quad Ridged Horn Antenna

P/N: RCDLPHA3G05



Freq: 0.60GHz
Gain: 5.77dB
Port 1 E Plane BW:
-3dB : 67.71°
Port 1 H Plane BW:
-3dB : 68.49°
22.5 ° Descend Electrical
Level: 1.51dB
22.5°Gain: 4.26dB

0.5~3.0GHz Coaxial Horn Antenna Quad-Ridge Double Line Polarization



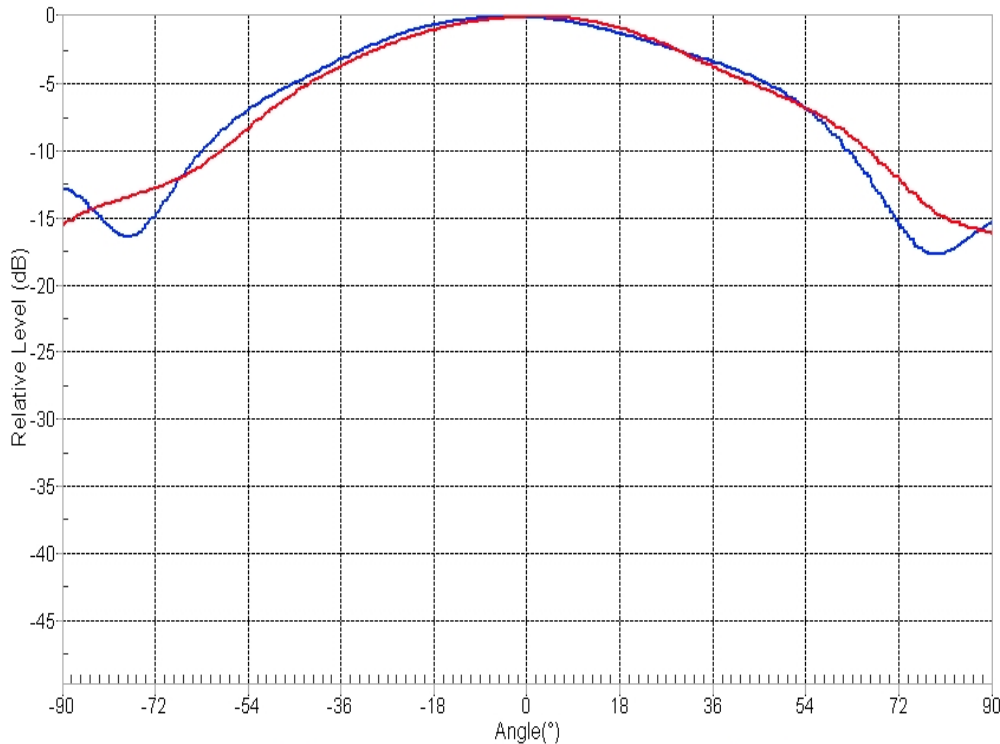
RF-LAMBDA

The power beyond expectations

RCDLPHA3G05

Dual Polarized Quad Ridged Horn Antenna

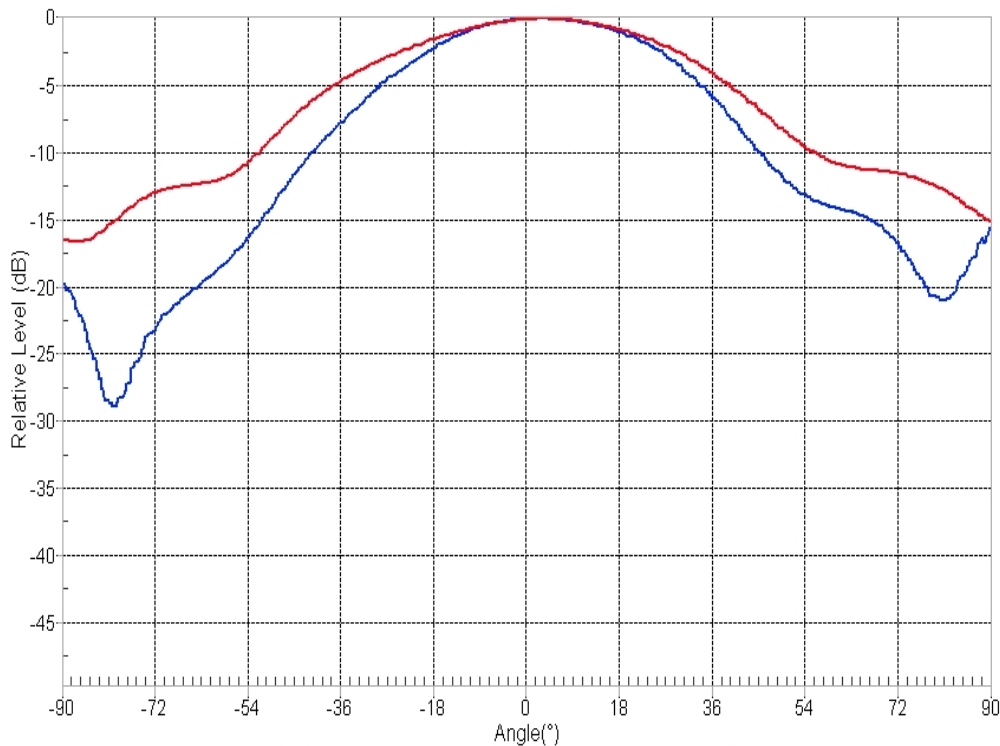
P/N: RCDLPHA3G05



Freq: 0.70GHz
Gain: 7.65dB
Port 1 E Plane BW:
-3dB : 67.79°
Port 1 H Plane BW:
-3dB : 63.77°
22.5 ° Descend Electrical
Level: 1.42dB
22.5°Gain: 6.23dB

Dual Polarized Quad Ridged Horn Antenna

P/N: RCDLPHA3G05



Freq: 0.80GHz
Gain: 8.00dB
Port 1 E Plane BW:
-3dB : 48.52°
Port 1 H Plane BW:
-3dB : 59.11°
22.5 ° Descend Electrical
Level: 2.18dB
22.5°Gain: 5.82dB

0.5~3.0GHz Coaxial Horn Antenna Quad-Ridge Double Line Polarization



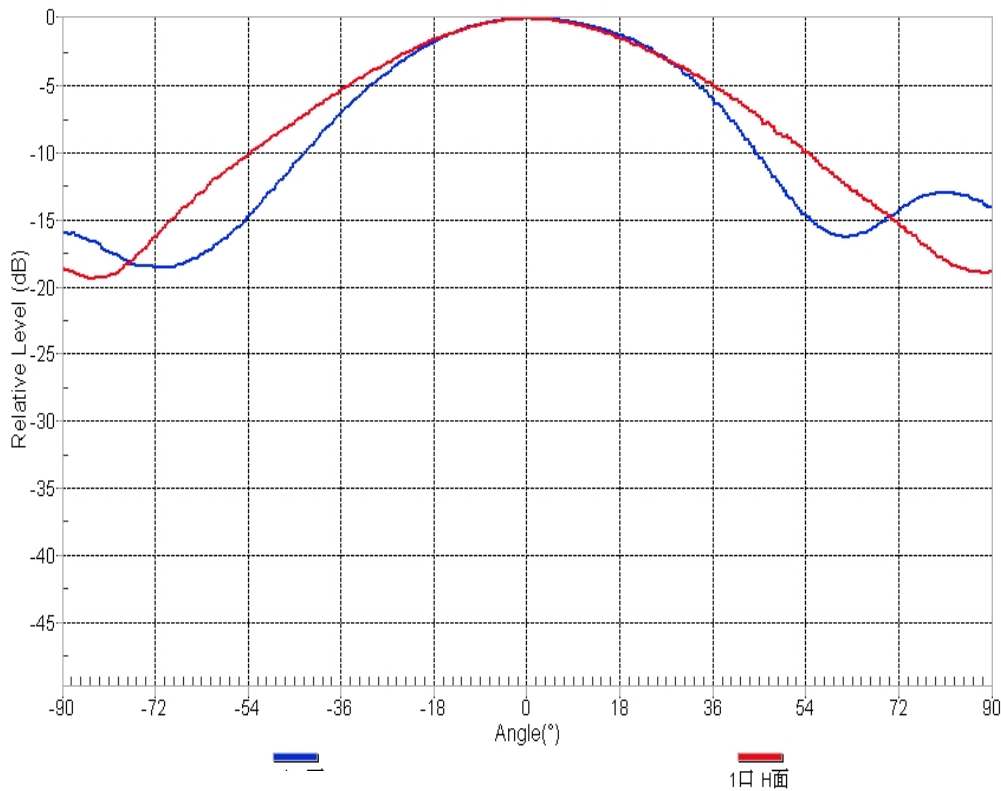
RF-LAMBDA

The power beyond expectations

RCDLPHA3G05

Dual Polarized Quad Ridged Horn Antenna

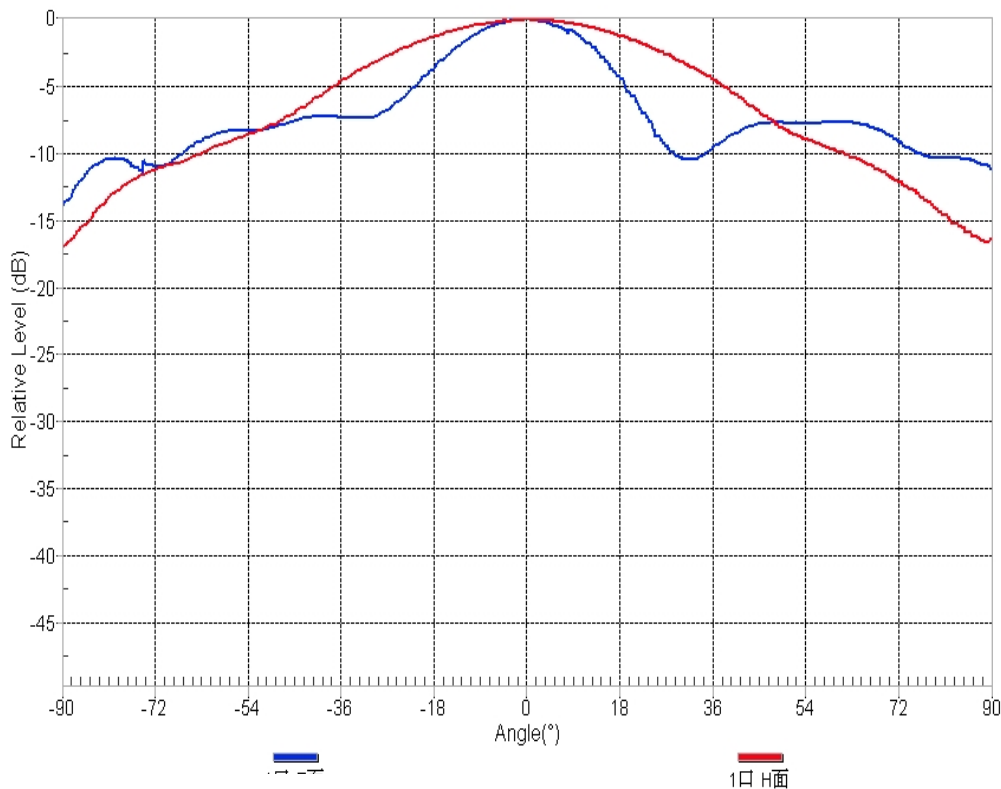
P/N: RCDLPHA3G05



Freq: 0.90GHz
Gain: 8.24dB
Port 1 E Plane BW:
-3dB : 50.76°
Port 1 H Plane BW:
-3dB : 52.38°
22.5 ° Descend Electrical
Level: 2.46dB
22.5°Gain: 5.78dB

Dual Polarized Quad Ridged Horn Antenna

P/N: RCDLPHA3G05



Freq: 1.00GHz
Gain: 8.52dB
Port 1 E Plane BW:
-3dB : 31.15°
Port 1 H Plane BW:
-3dB : 57.45°
22.5 ° Descend Electrical
Level: 1.81dB
22.5°Gain: 6.71dB

0.5~3.0GHz Coaxial Horn Antenna Quad-Ridge Double Line Polarization



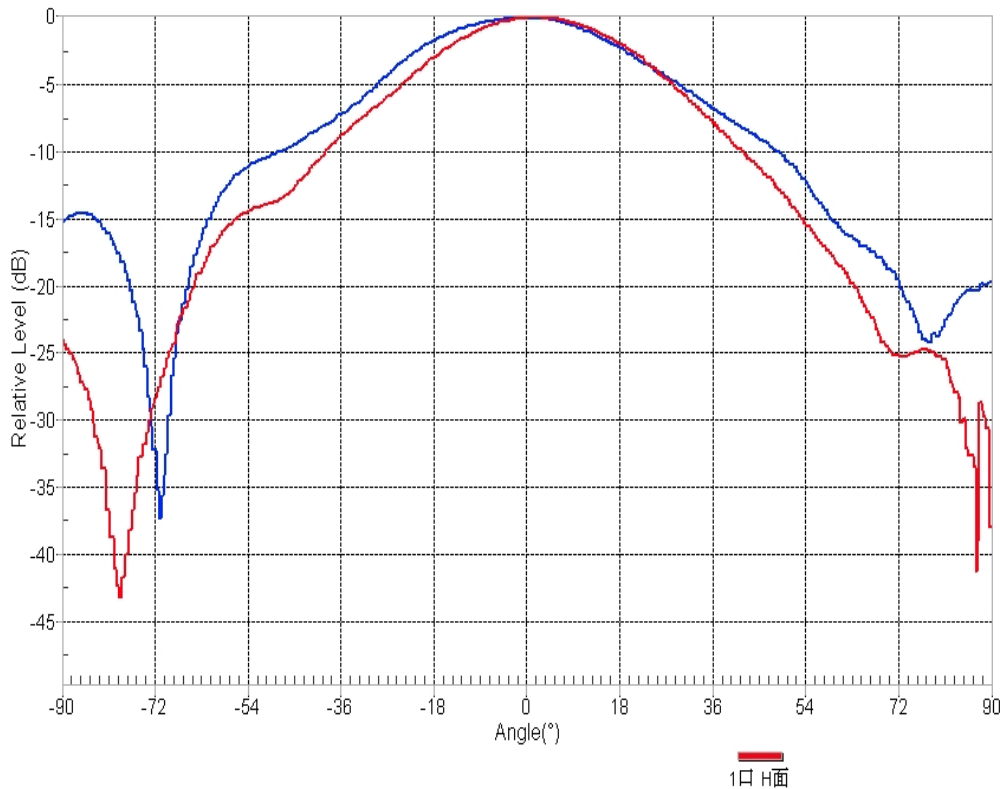
RF-LAMBDA

The power beyond expectations

RCDLPHA3G05

Dual Polarized Quad Ridged Horn Antenna

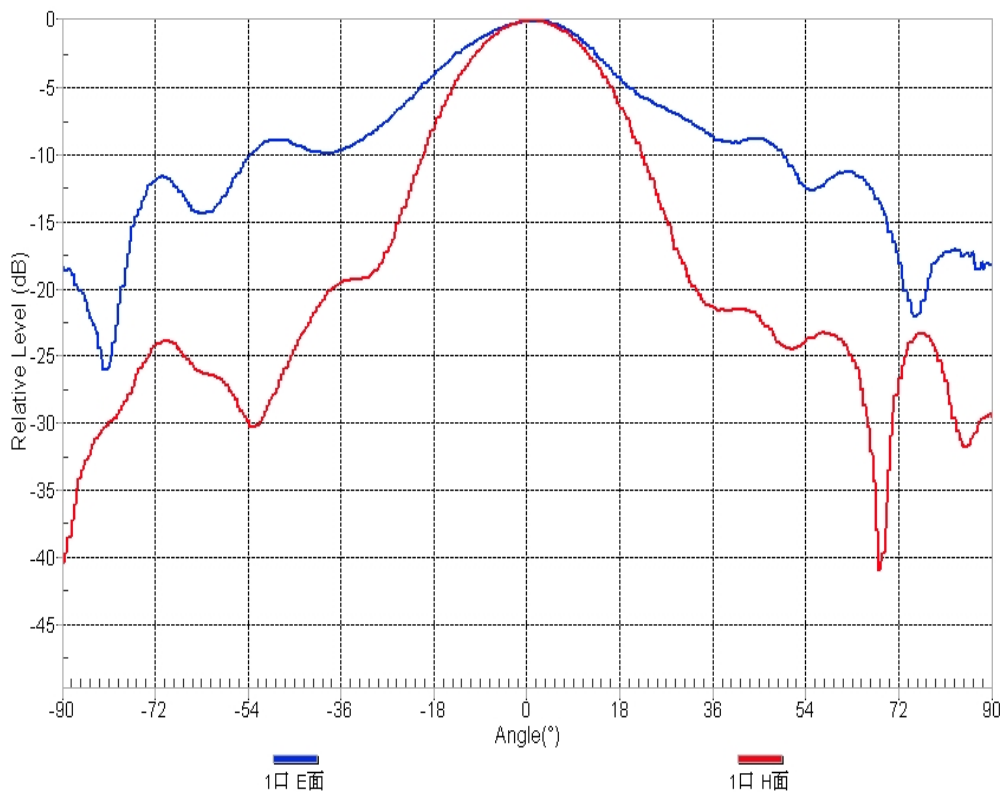
P/N: RCDLPHA3G05



Freq: 1.50GHz
Gain: 9.96dB
Port 1 E Plane BW:
-3dB : 44.11°
Port 1 H Plane BW:
-3dB : 40.70°
22.5 ° Descend Electrical
Level: 4.29dB
22.5°Gain: 5.67dB

Dual Polarized Quad Ridged Horn Antenna

P/N: RCDLPHA3G05



Freq: 2.00GHz
Gain: 12.18dB
Port 1 E Plane BW:
-3dB : 29.81°
Port 1 H Plane BW:
-3dB : 23.85°
22.5 ° Descend Electrical
Level: 12.12dB
22.5°Gain: 0.06dB

0.5~3.0GHz Coaxial Horn Antenna Quad-Ridge Double Line Polarization



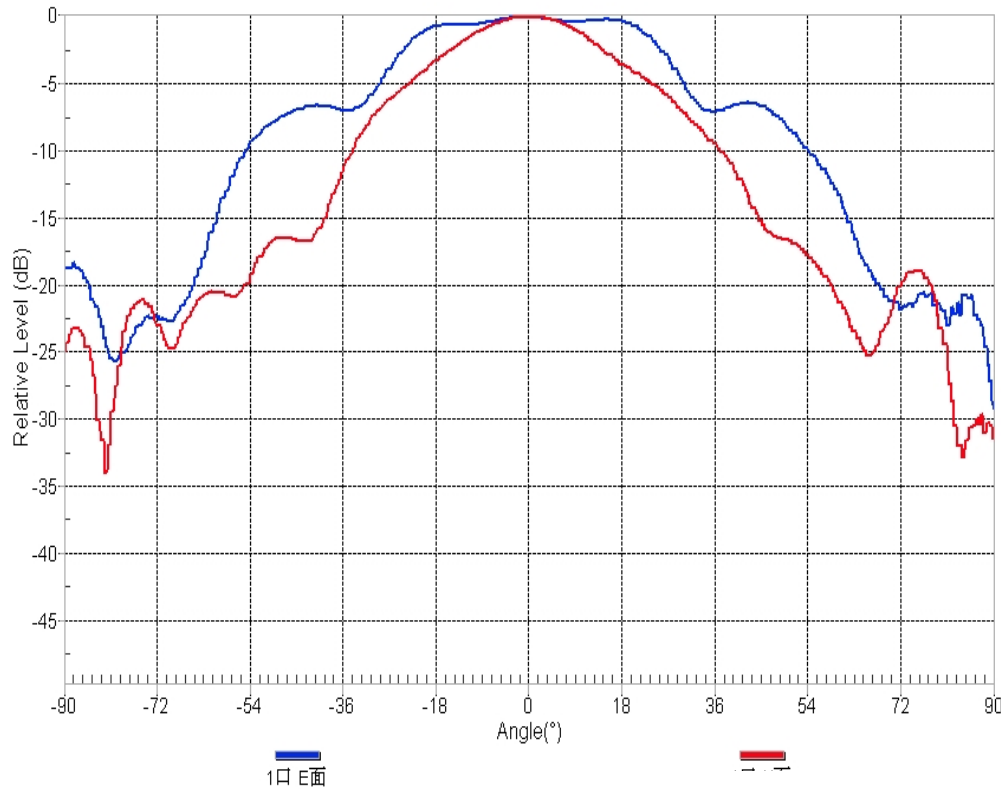
RF-LAMBDA

The power beyond expectations

RCDLPHA3G05

Dual Polarized Quad Ridged Horn Antenna

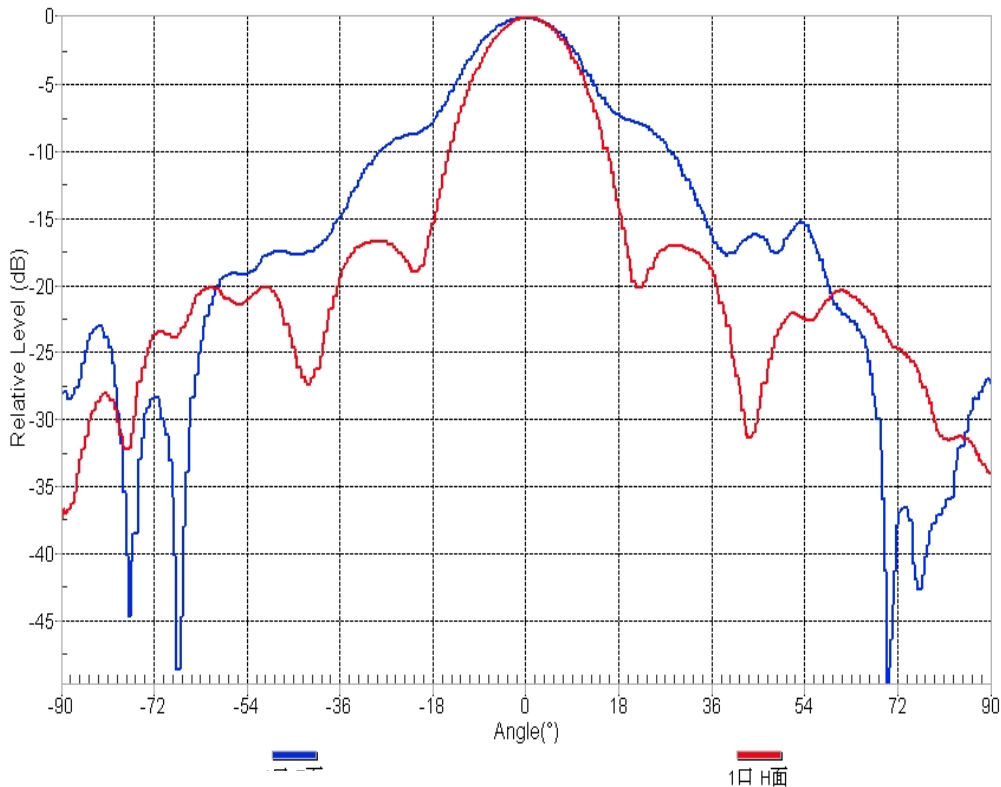
P/N: RCDLPHA3G05



Freq: 2.50GHz
Gain: 9.54dB
Port 1 E Plane BW:
-3dB : 52.41°
Port 1 H Plane BW:
-3dB : 33.06°
22.5 ° Descend Electrical
Level: 4.77dB
22.5°Gain: 4.77dB

Dual Polarized Quad Ridged Horn Antenna

P/N: RCDLPHA3G05



Freq: 3.00GHz
Gain: 16.00dB
Port 1 E Plane BW:
-3dB : 20.92°
Port 1 H Plane BW:
-3dB : 17.39°
22.5 ° Descend Electrical
Level: 20.17dB
22.5°Gain: -4.17dB

0.5~3.0GHz Coaxial Horn Antenna Quad-Ridge Double Line Polarization