

For reference only. See data sheet for the detailed specifications.

## Technical Specification



Frequency Range(GHz)	0.7 – 10.0
Gain	Linear: 9dBi Typ.
	Circular: 9dBic Typ.
Polarization	H,V, LHCP & RHCP Switchable
Axial Ratio(dB)	4.0 Typ.
	10.0 Max.
VSWR	2.5:1 Typ.
Connector	SMA-Female
Power Handling(W CW)	20 Max.(Cold Switching)
Power Supply	12V DC
Control	TTL
Control Connector	Circular 10-Pin
Material	Al
Finish	Chemical Conversion Coating and Nickel Plated
Size(mm)	310 x 310 x 537
Net Weight(Kg)	5.85 Around

PATENT ID (US)

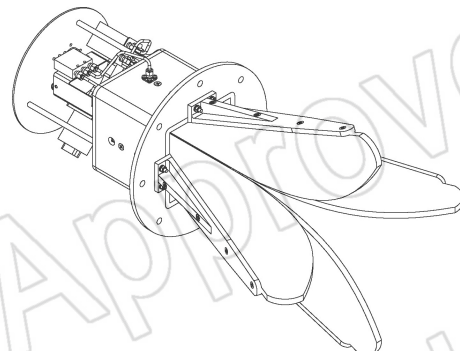
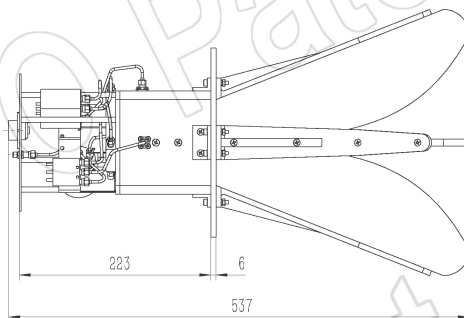
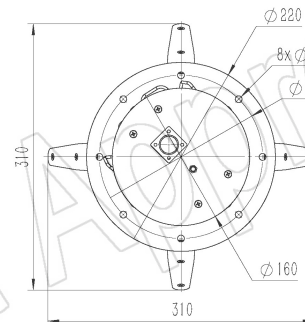
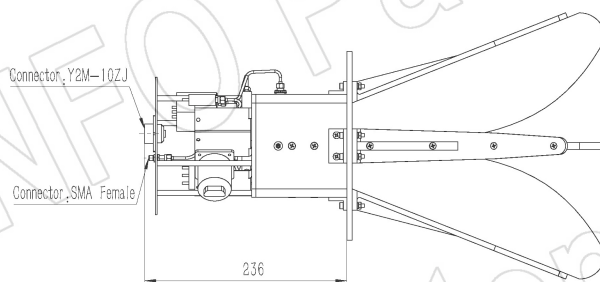
US 11139578

PATENT ID (China)

ZL201822143669.2

## Outline Drawing (Size: mm)

SMA Female Output (P/N: LB-OSJ-07100-P04)



**AINFO Inc.**

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China(Chengdu):  
USA :

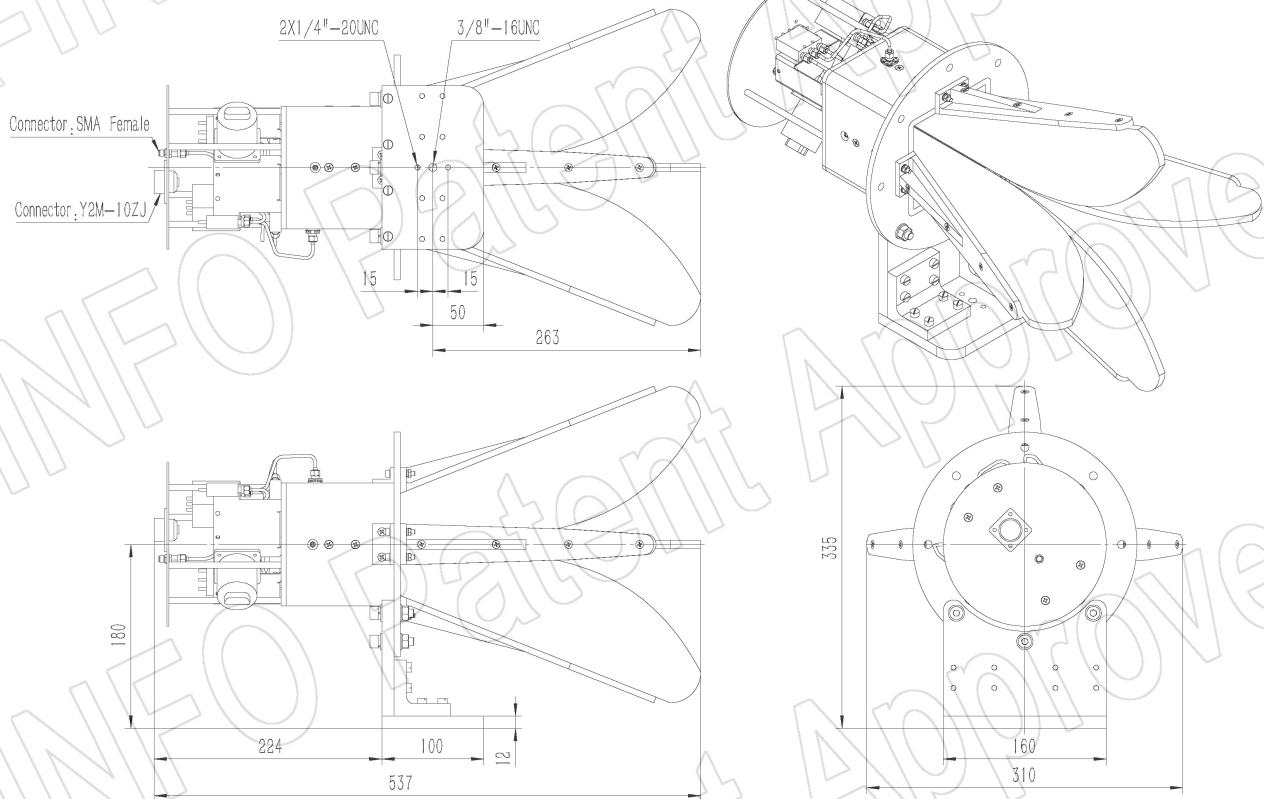
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## SMA Female Output with L Type Mounting Bracket (Option, P/N: LB-OSJ-0760-L)



## Standard Configuration

1. Antenna
2. Control Cable, 5m, with Circular 10-Pin connector on each side.

## Optional Accessories

1. Nonmetallic L type mounting bracket, for A-INFO tripod
2. Aluminum Tripod, 15Kg
3. Wooden Tripod, 15Kg

## Control Description

### 1. Pin Description

Pin Number	Name	Description
1	NC	
2	+12V	+12V DC Supply input
3	GND	Ground
4	H	Polarization control :Horizontal
5	V	Polarization control :Vertical
6	C/L	Polarization control :Circular or Linear
7	R	Polarization control :RHCP
8	L	Polarization control :LHCP
9	NC	
10	NC	

### 2. Function Table

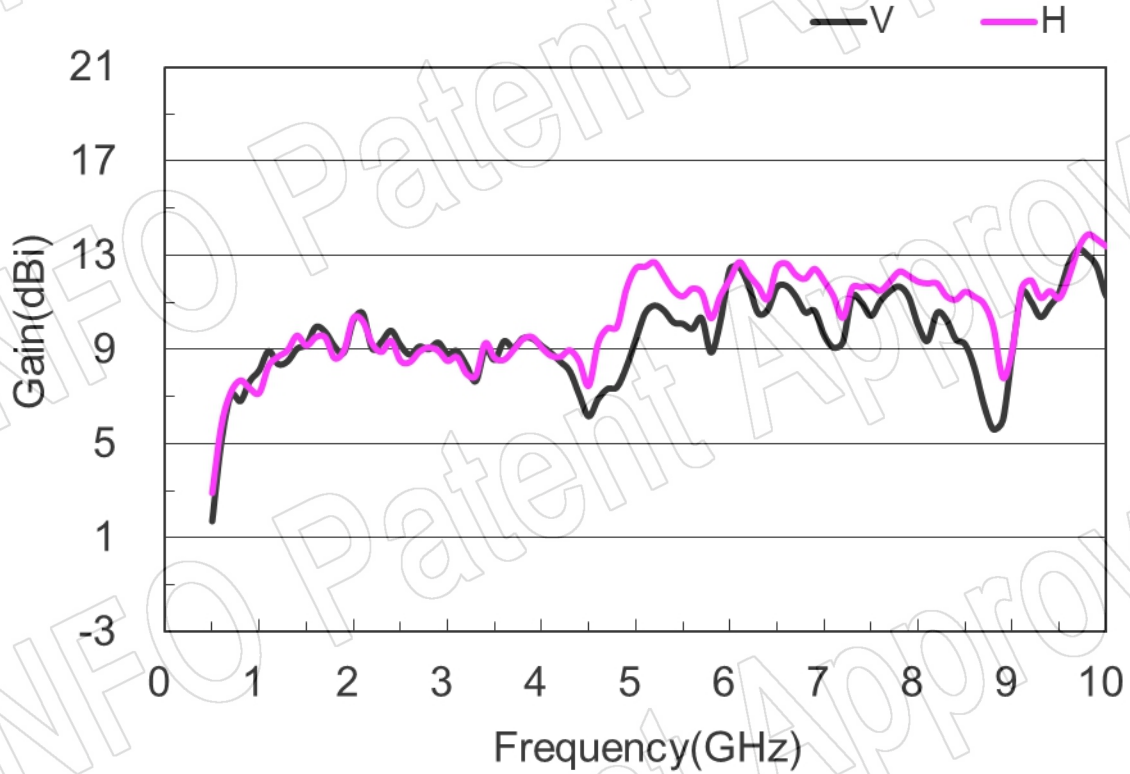
Pin \ Pol.	4	5	6	7	8
V	1*	0	0	0	0
H	0	1*	0	0	0
RHCP	0	0	1*	1	0
LHCP	0	0	1*	0	1

\* TTL level should be keep at “1” (high level)

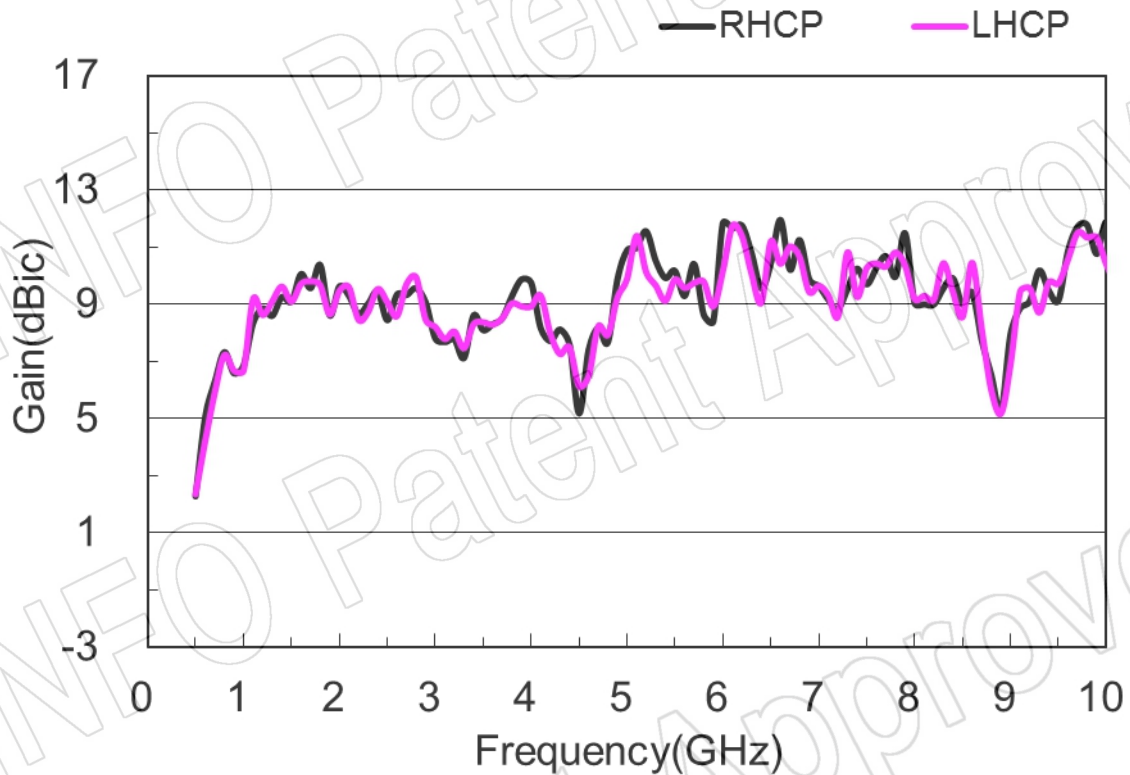
## Test Results

### 1. Gain

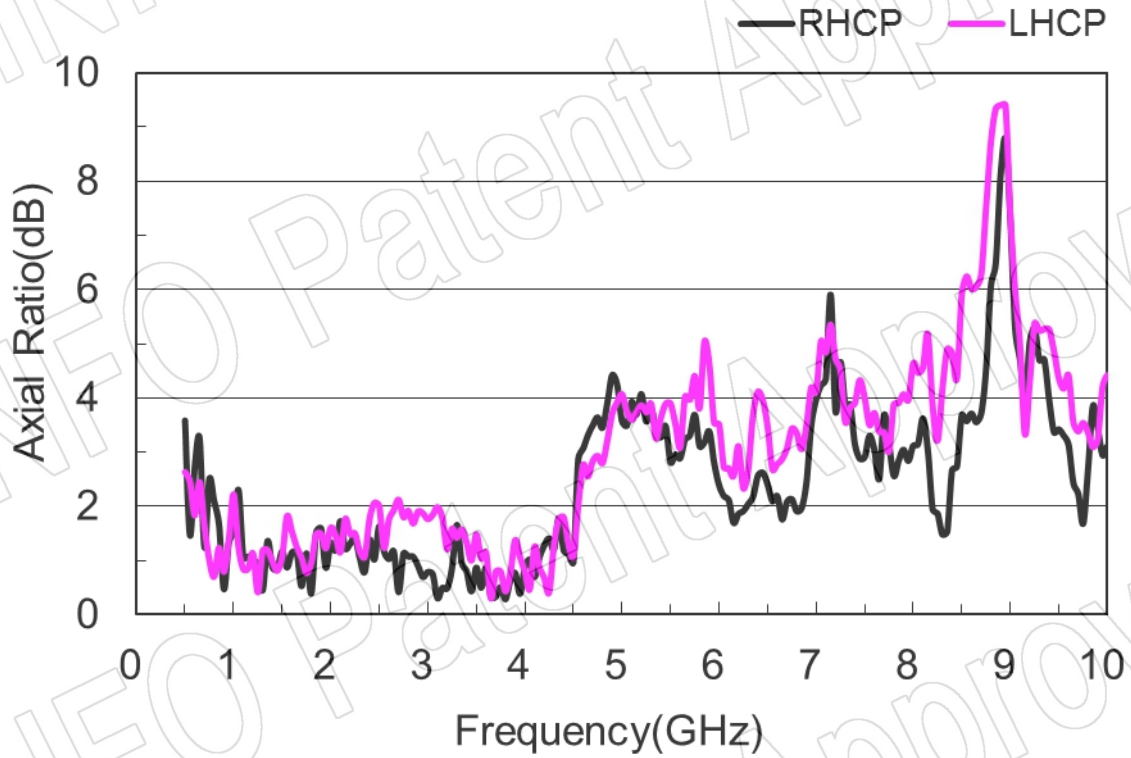
Linear Gain



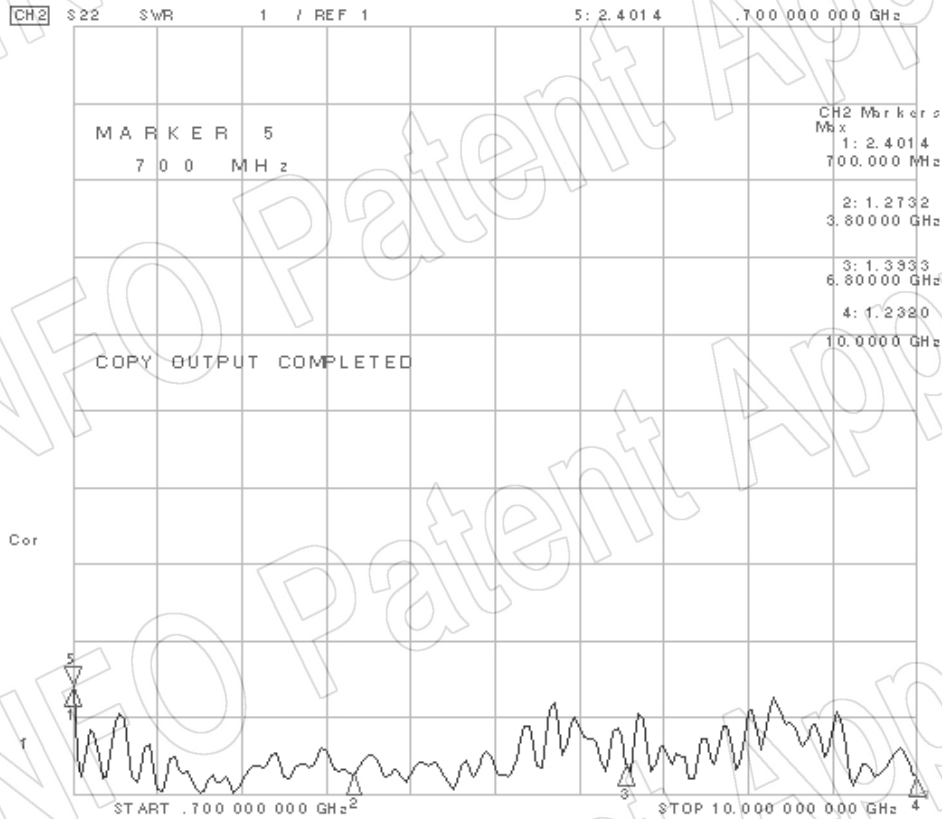
Circular Gain



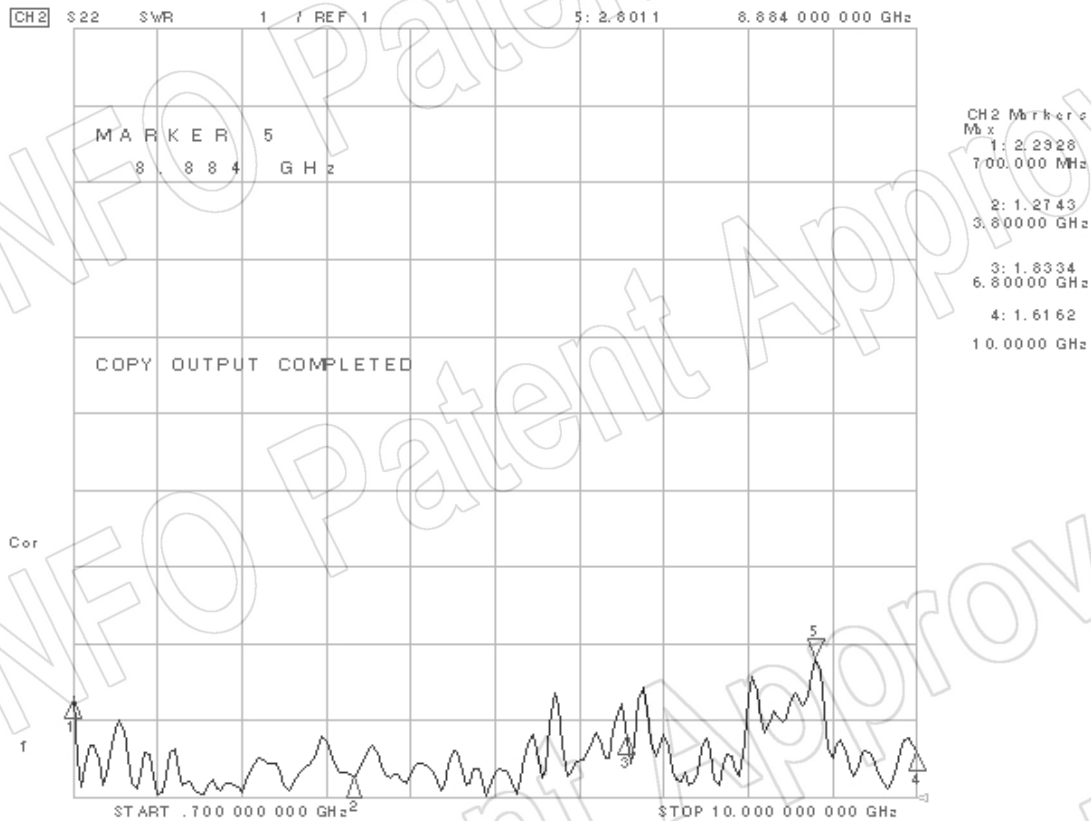
## 2. Axial Ratio



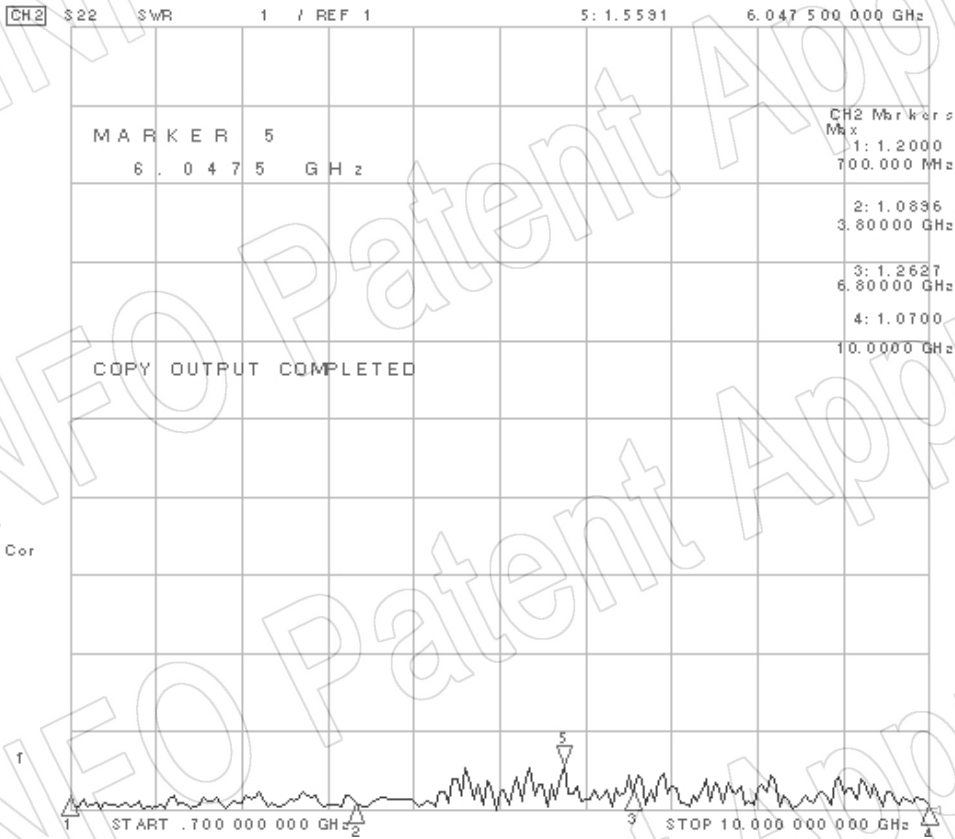
### 3. VSWR H Polarization



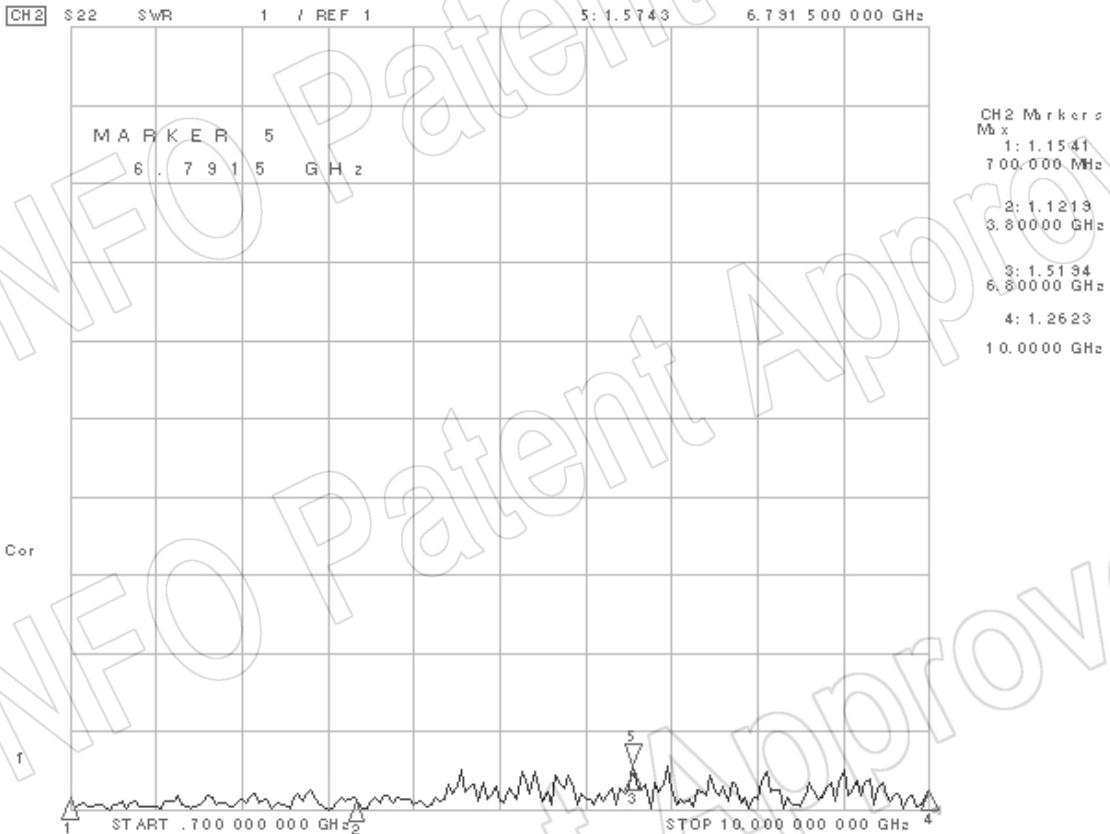
### V Polarization



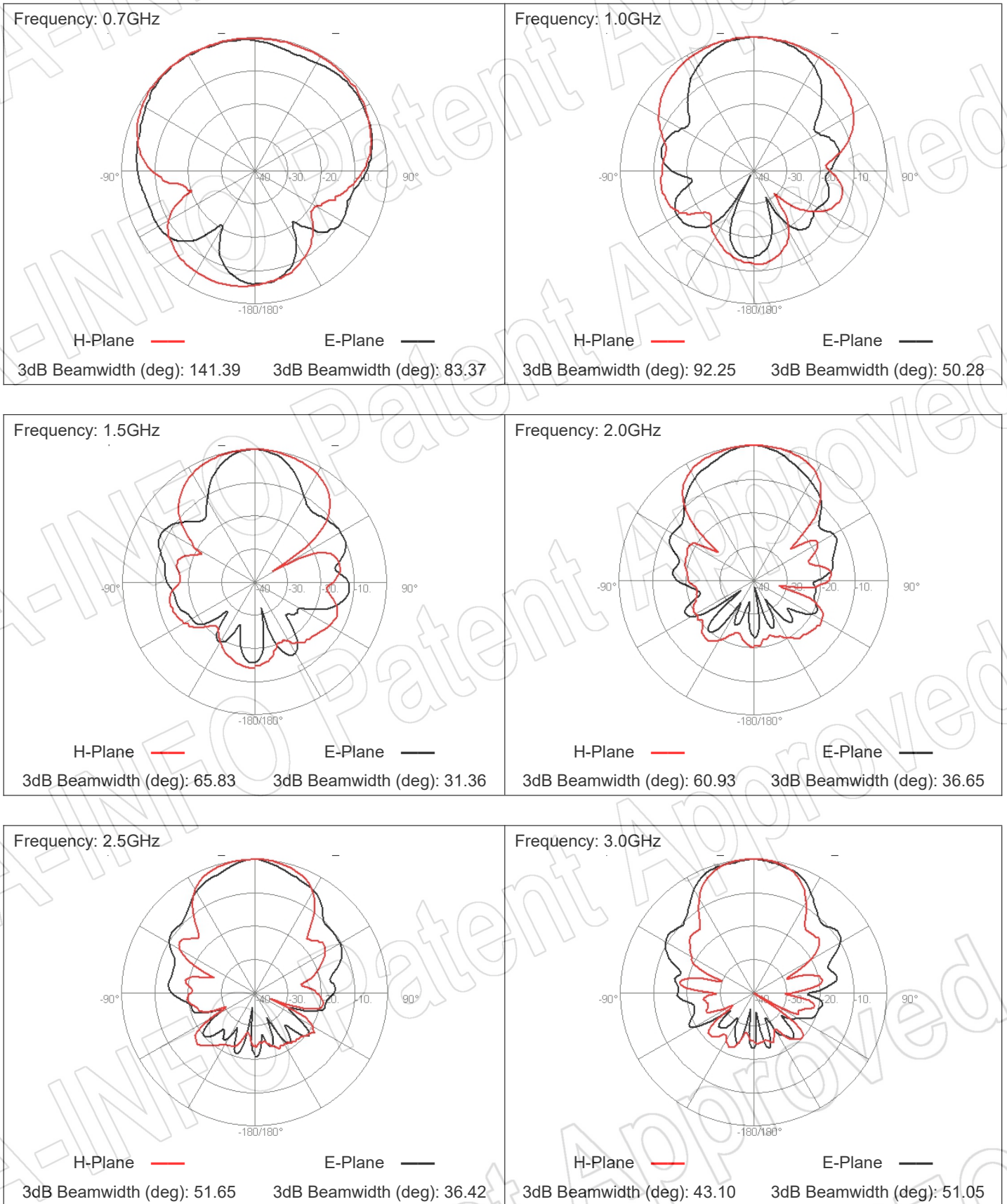
## LHCP



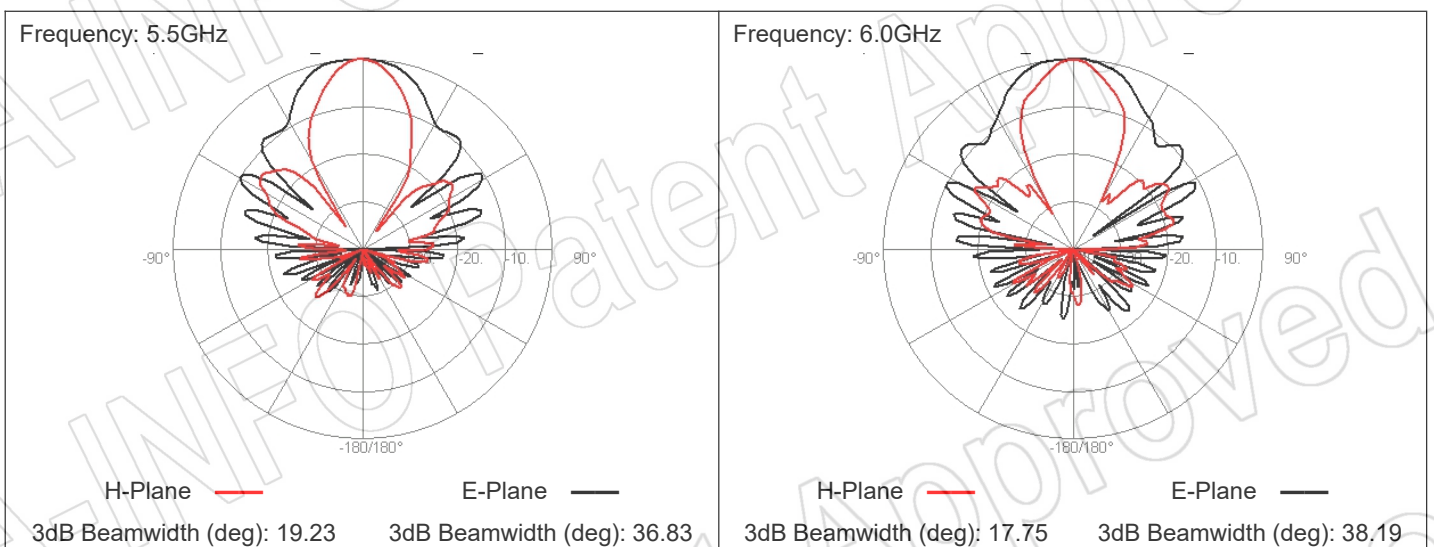
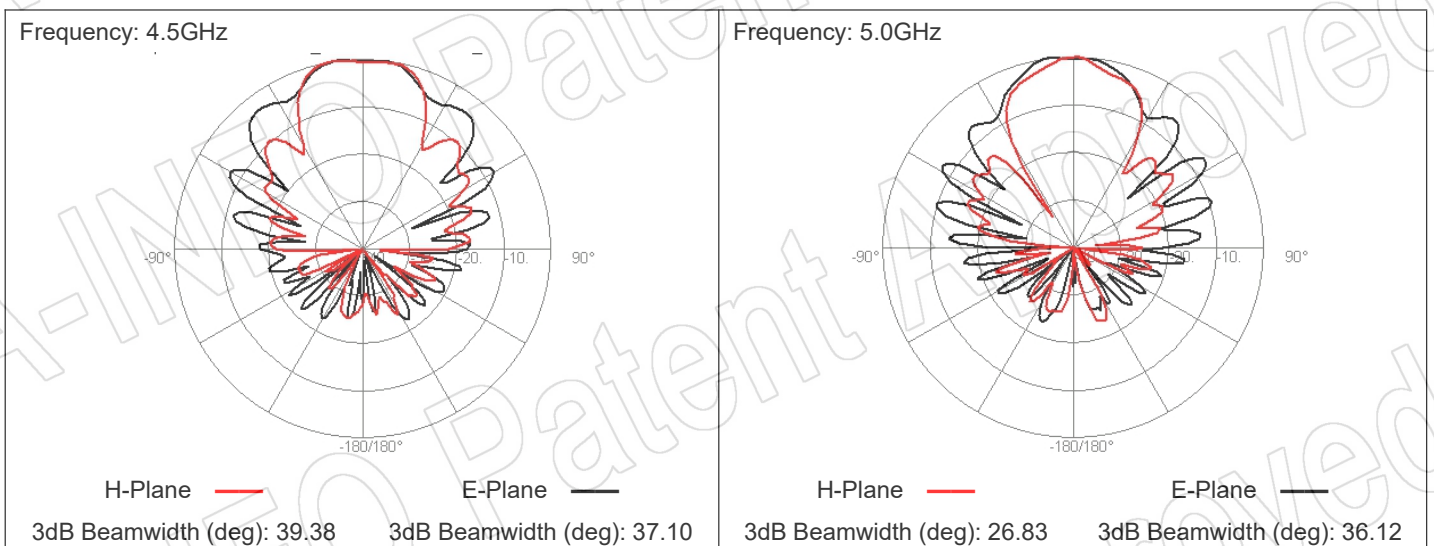
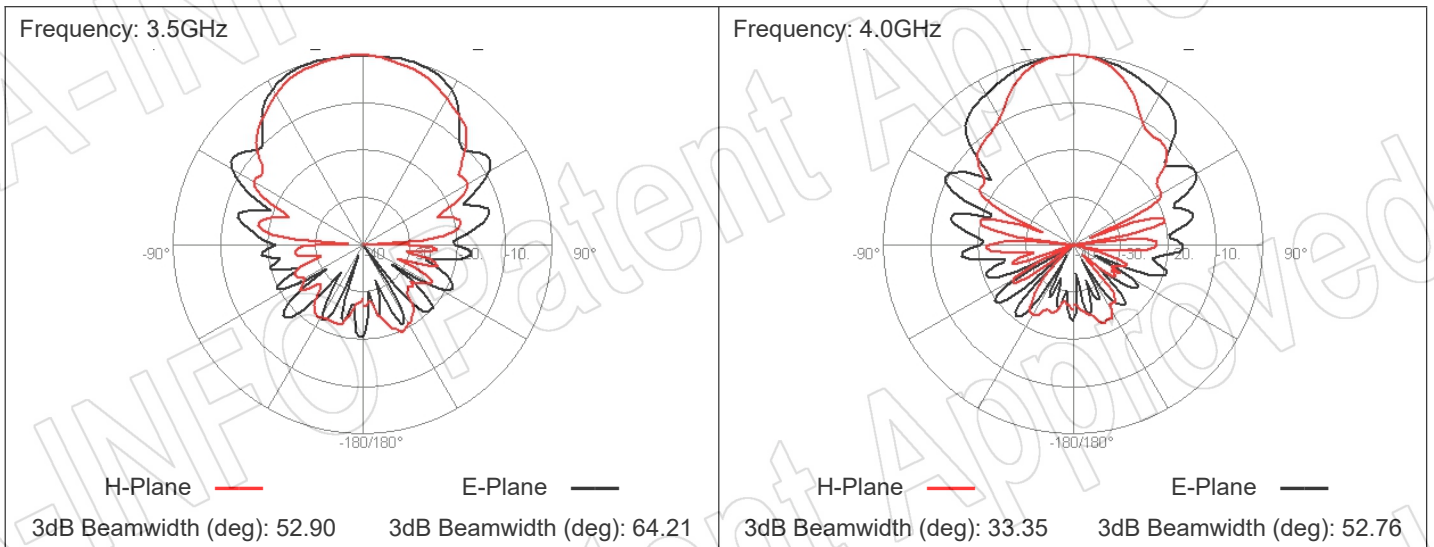
## RHCP

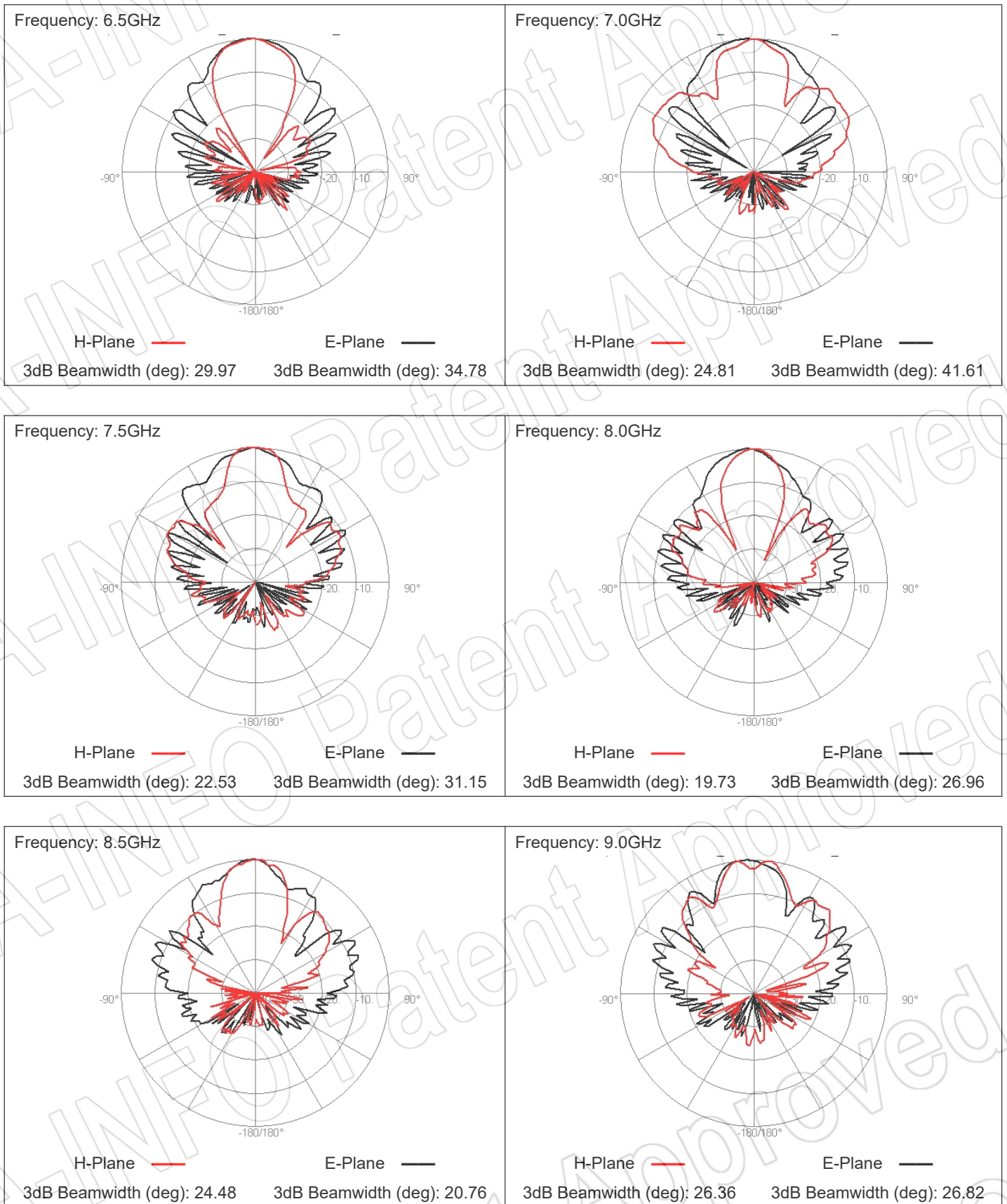


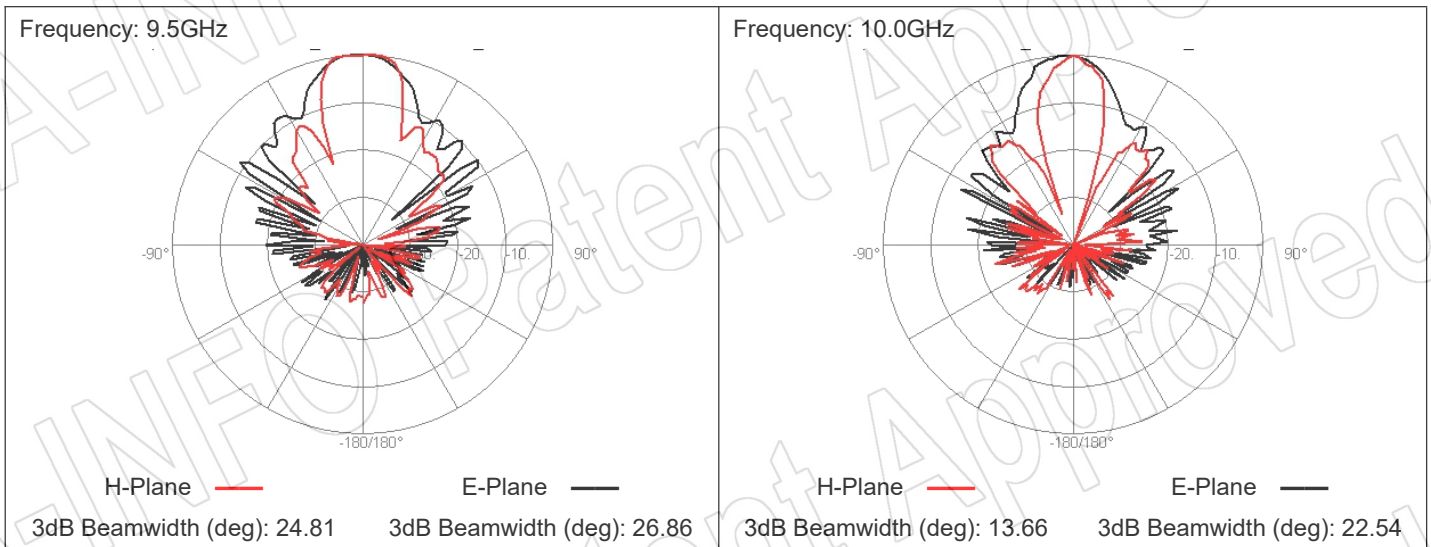
## 4. Pattern Linear Polarization



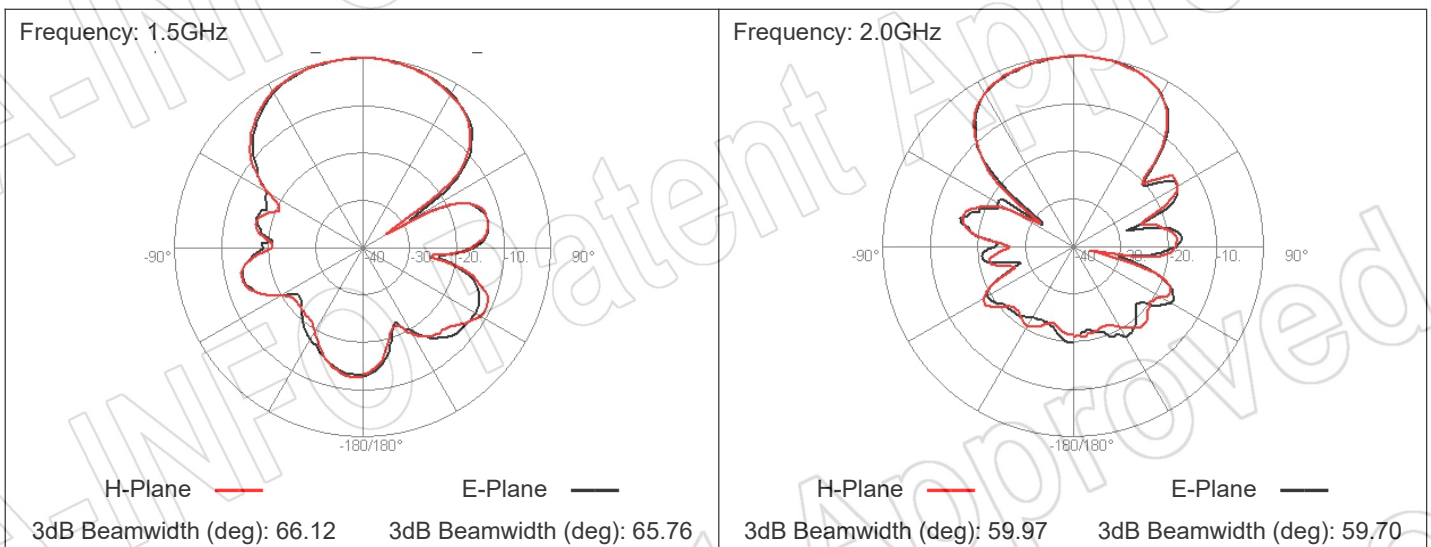
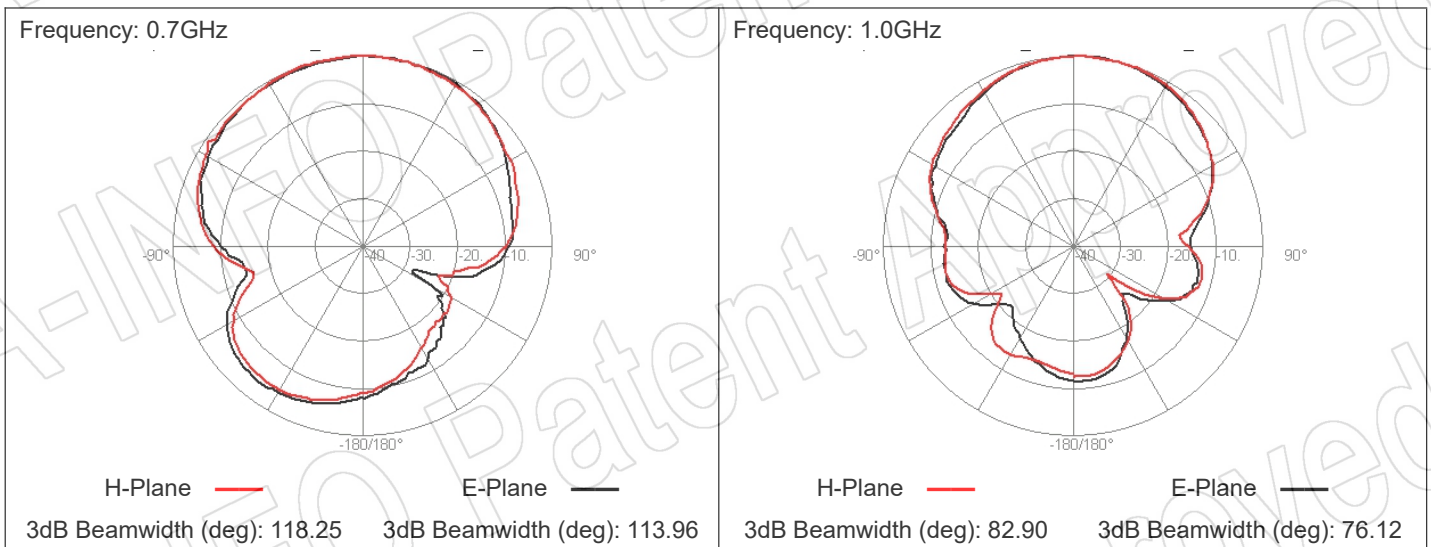




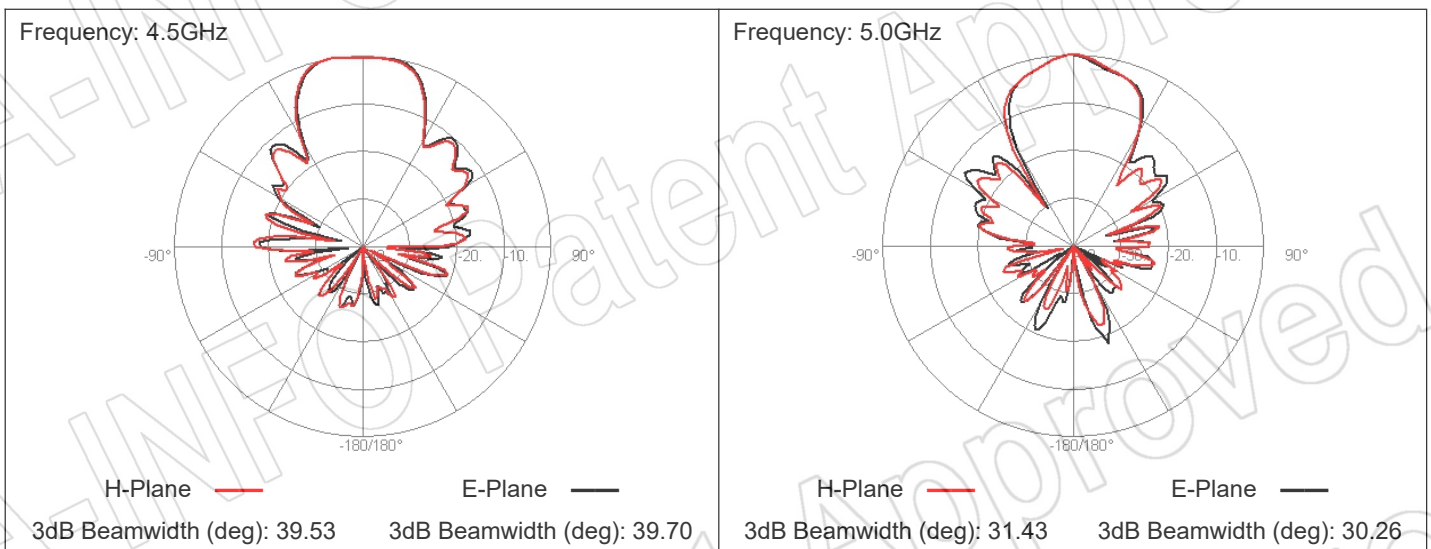
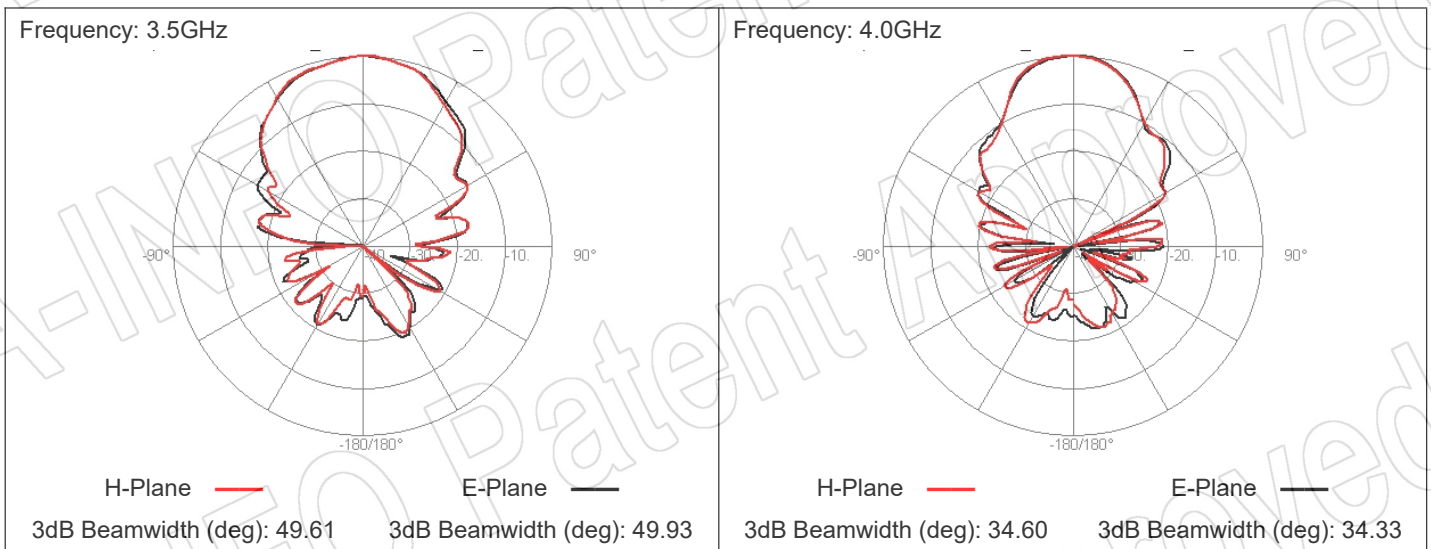
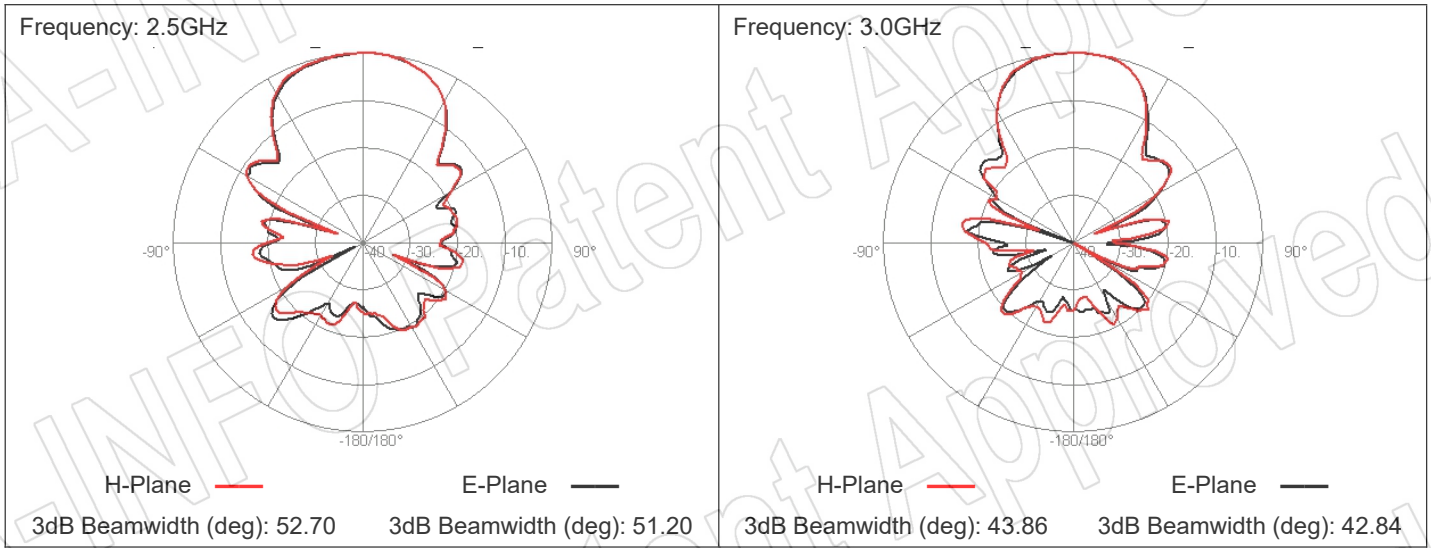


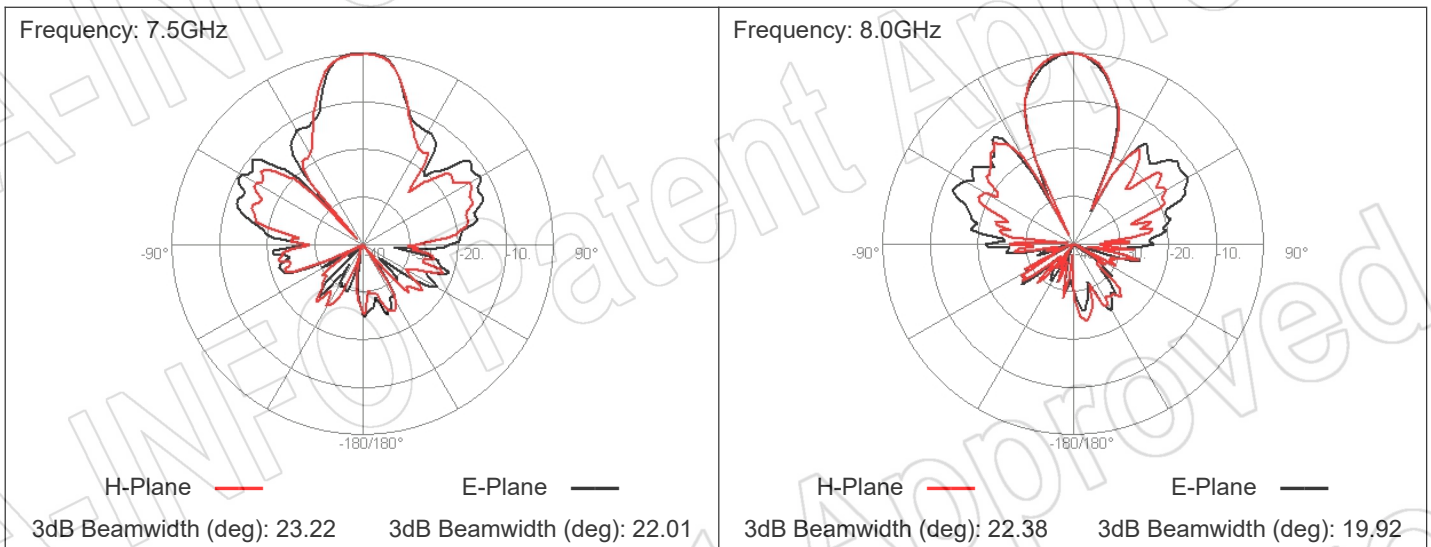
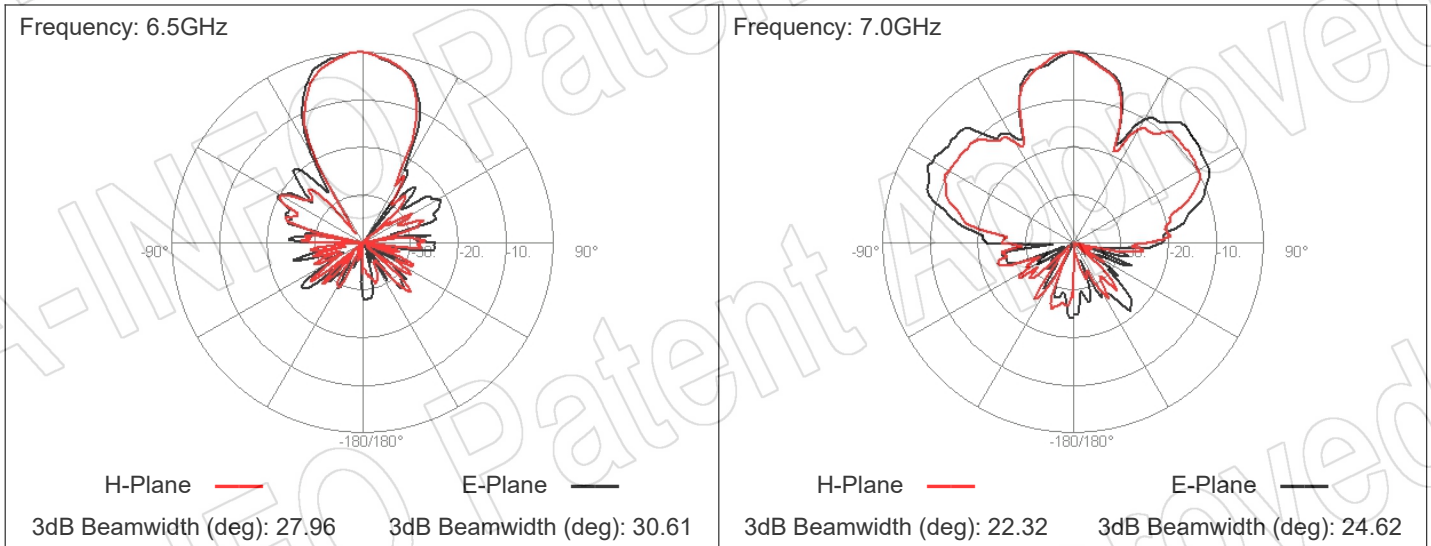
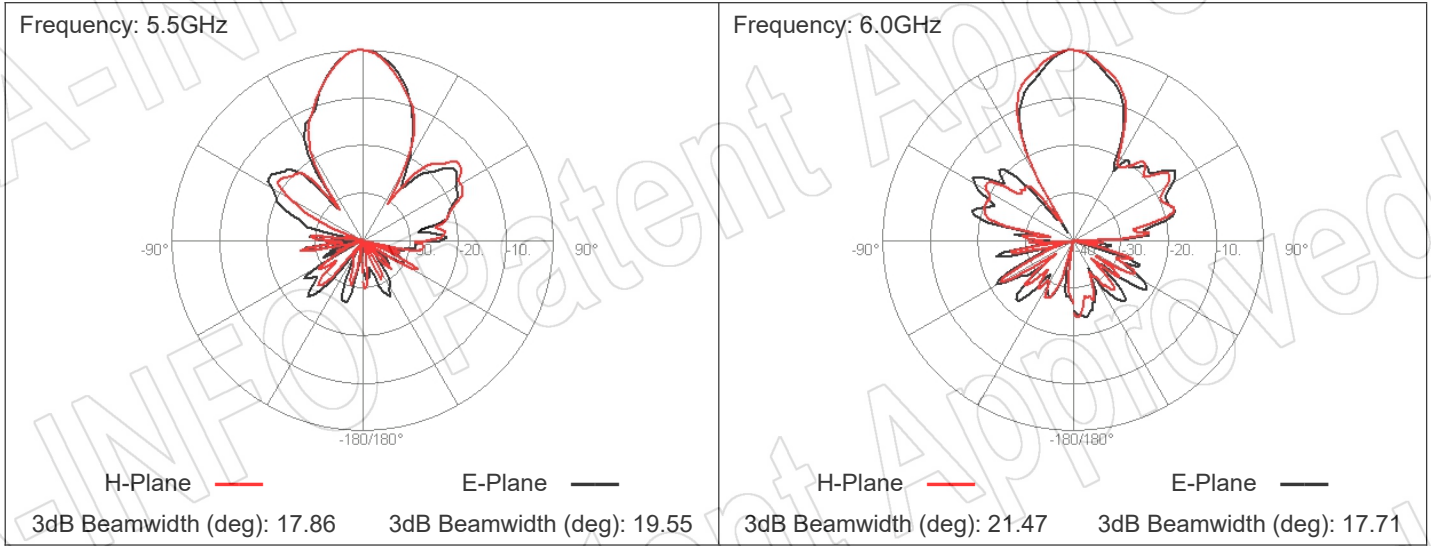


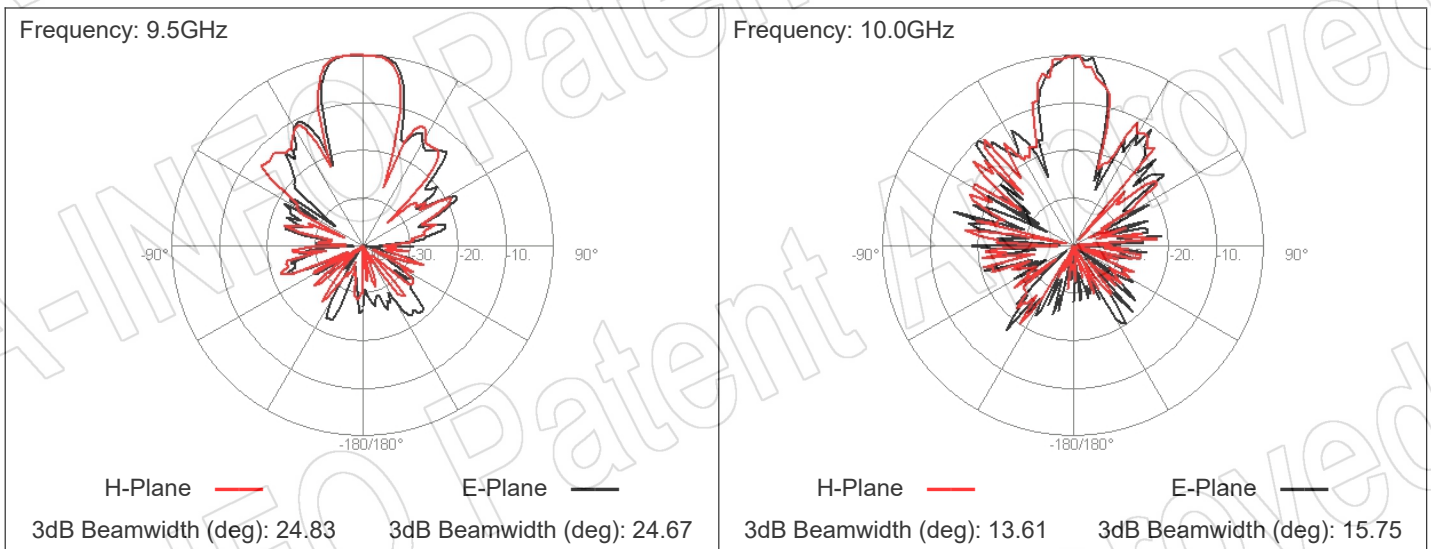
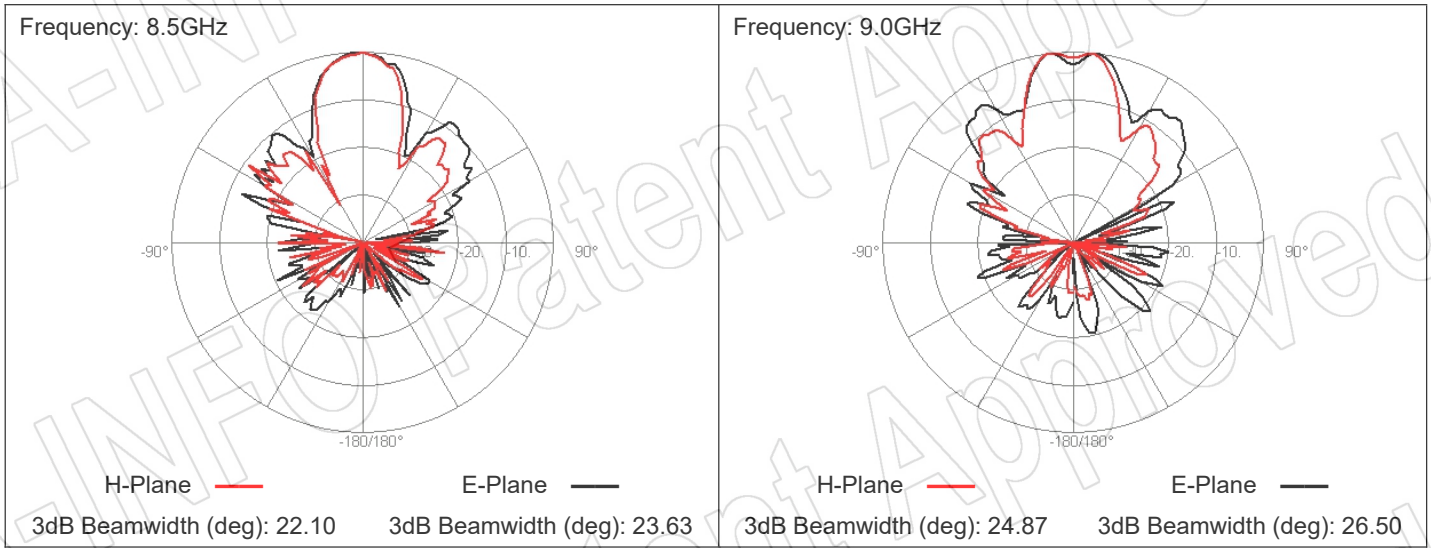
**LHCP**



LHCP







## RHCP

