



CHINMORE INDUSTRY CO.,LTD

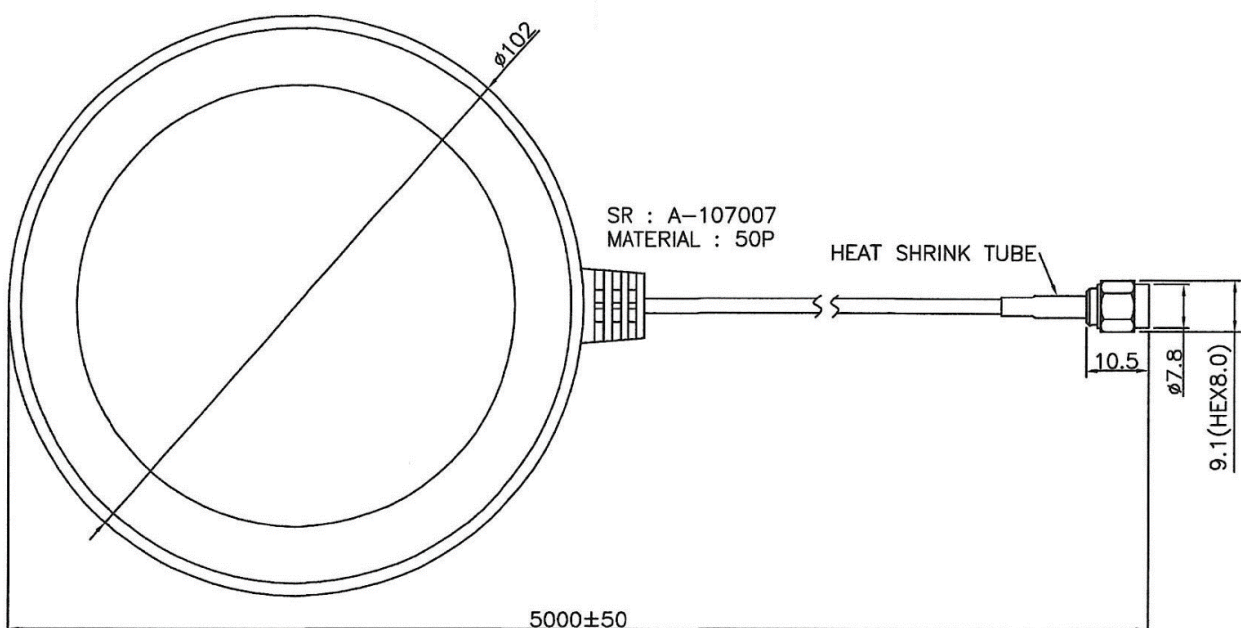
*Specification*

1. Product Type: Magnet Mount with  
GPS /GLONASS +L1 /L2 ANTENNA
2. Chinmore's No: R47C series
3. Frequency for GPS: 1575.42 MHz  
Frequency for GLONASS: 1602 MHz  
Frequency for L1/L2:1227.6 MHz
4. Cable: RG-174 5M
5. SMA (M) ST connector

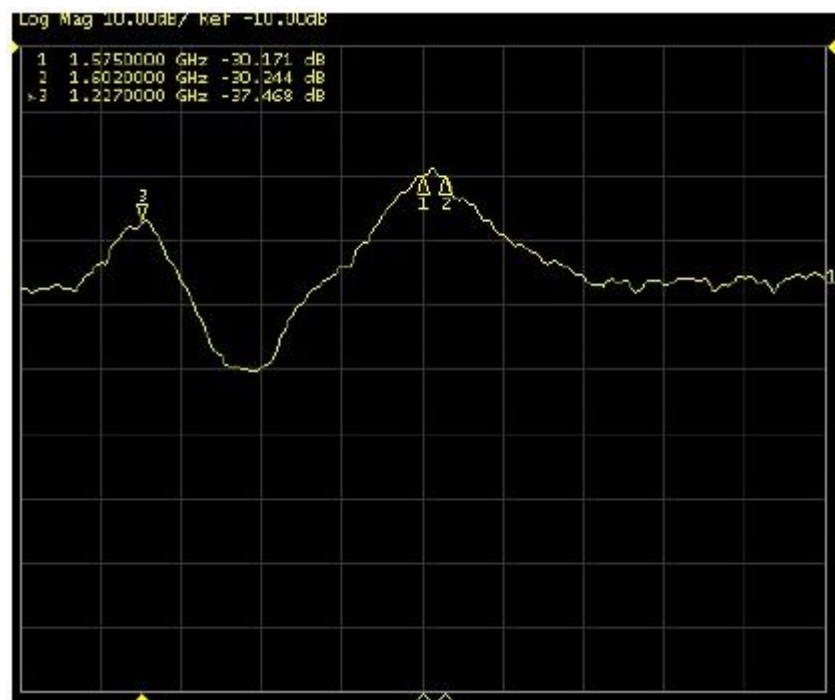
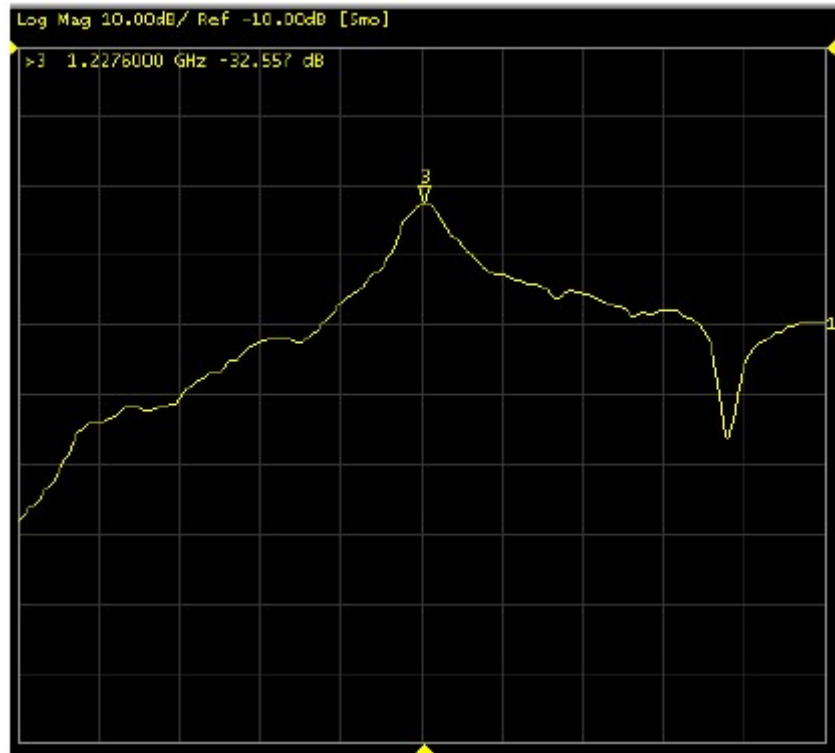
Test environment: Room temperature:22°C / humidity:50%

*✧RoHS Compliant*

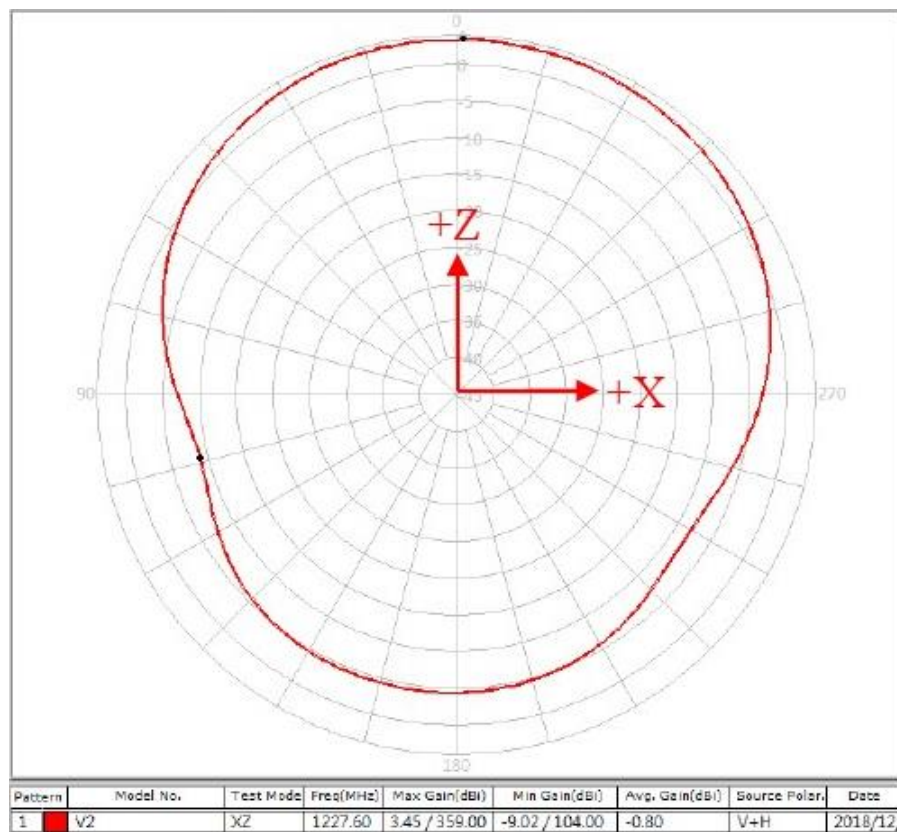
*✧ISO 9001 & ISO 14001*



Frequency (MHz)	Log Mag Data (dB)
1227	-32.55
1575.42	-30.17
1602.6	-30.24



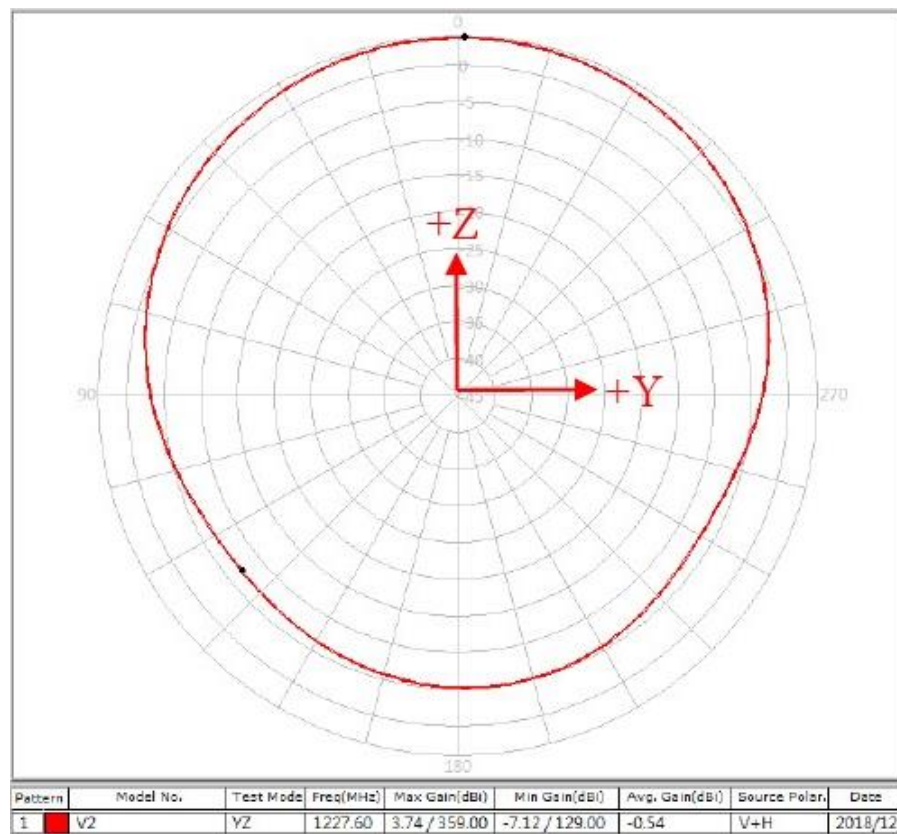
### XZ-Plane 1227MHz



Peak Gain : 3.45 dBi

At Zenith Gain : 3.21 dBi

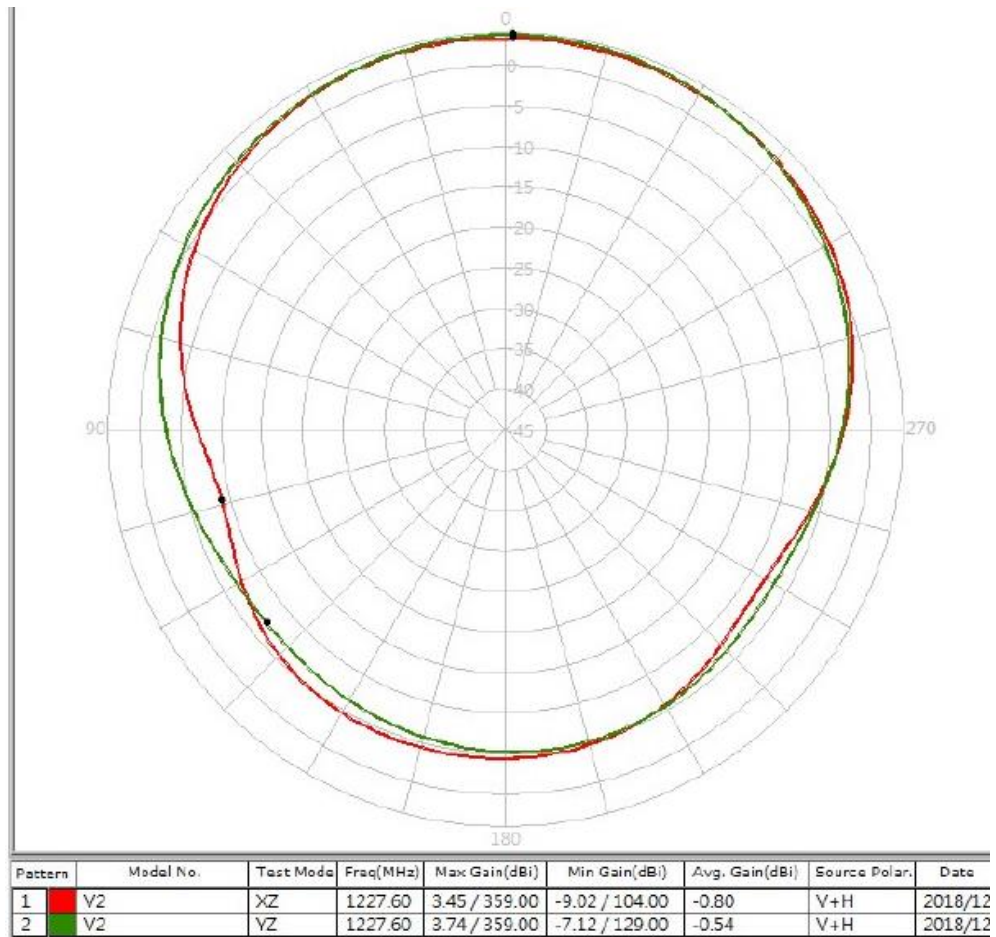
### YZ-Plane 1227MHz



Peak Gain : 3.74 dBi

At Zenith Gain : 3.70 dBi

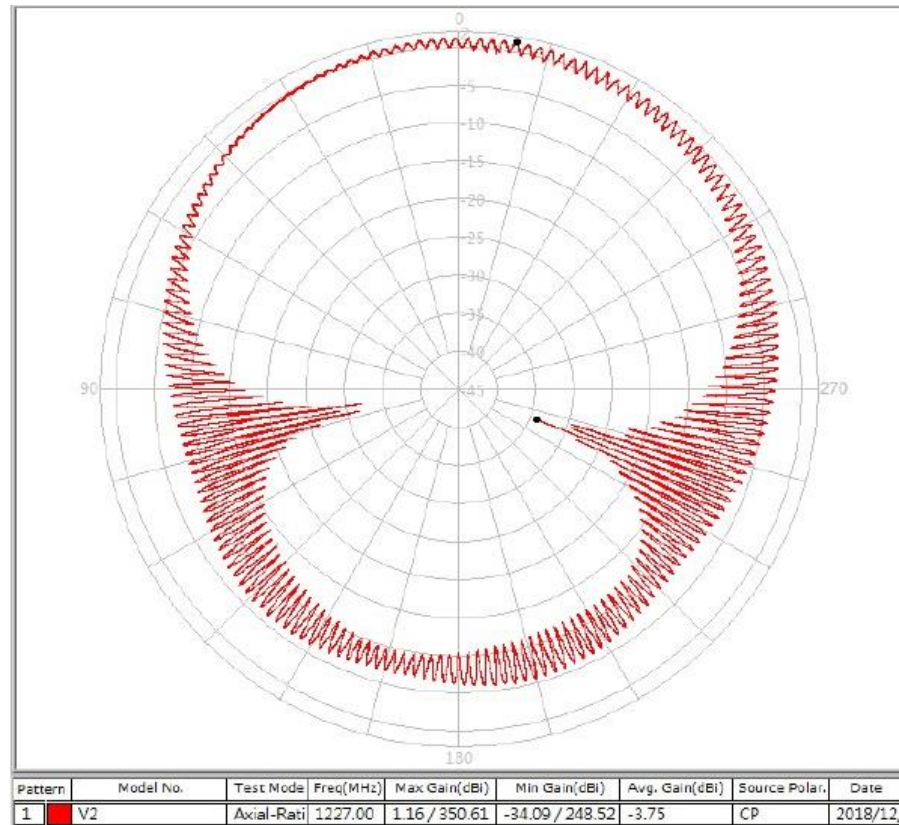
## Gain Pattern Value : (1227MHz)



Angle	XZ-Plane	YZ-Plane
90°	-7.03	-3.21
75°	-3.57	-1.14
60°	-0.75	0.53
45°	1.26	1.81
30°	2.58	2.76
15°	3.22	3.40
0°	3.21	3.70
345°	3.19	3.54
330°	2.82	2.96
315°	2.17	1.94
300°	1.04	0.51
285°	-0.75	-1.33
270°	-3.23	-3.51

(Unit : dBi)

## Axial Ratio Pattern ( Spin Dipole Method ) : (1227MHz)

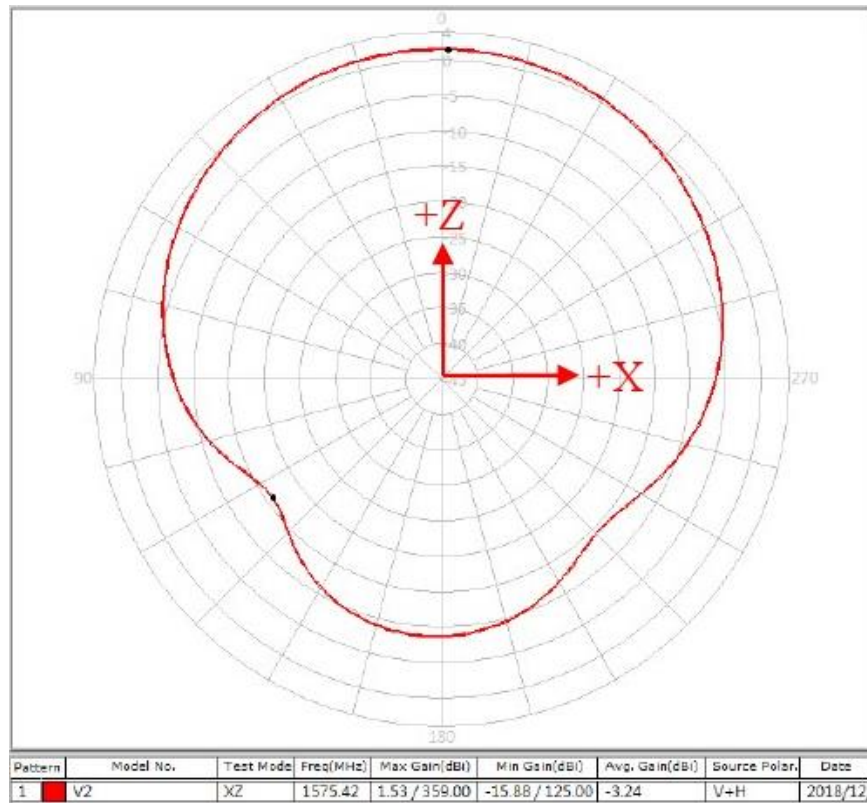


Angle	Axial Ratio
90°	9.87
75°	3.06
60°	1.46
45°	0.56
30°	0.16
15°	0.58
0°	1.11
345°	1.49
330°	1.74
315°	1.92
300°	3.01
285°	4.85
270°	9.23

( At 1227 MHz )

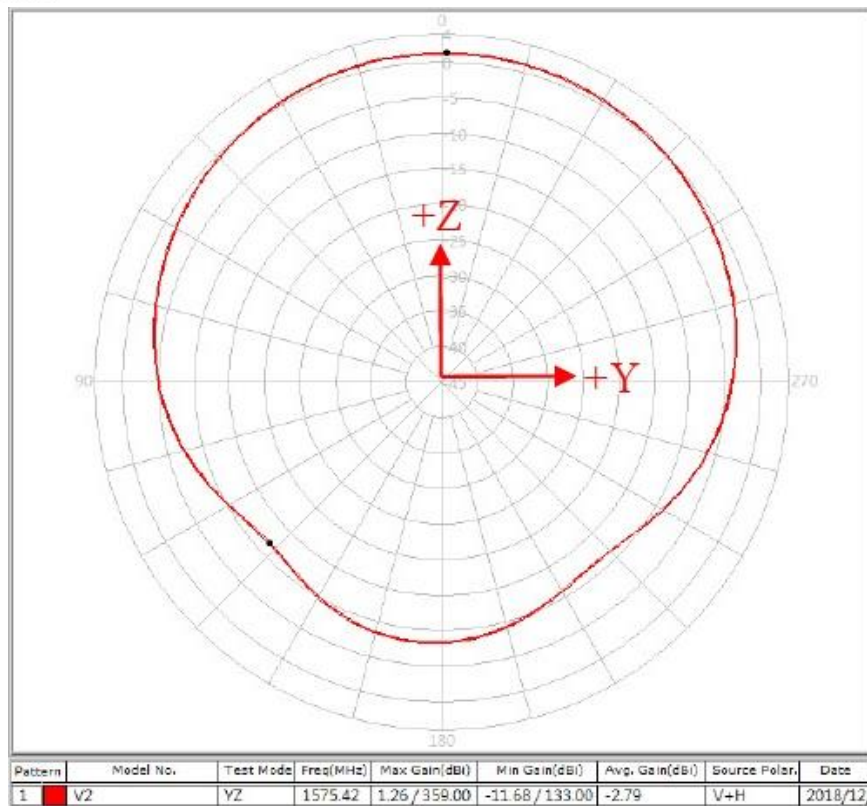


XZ-Plane 1575.42MHz



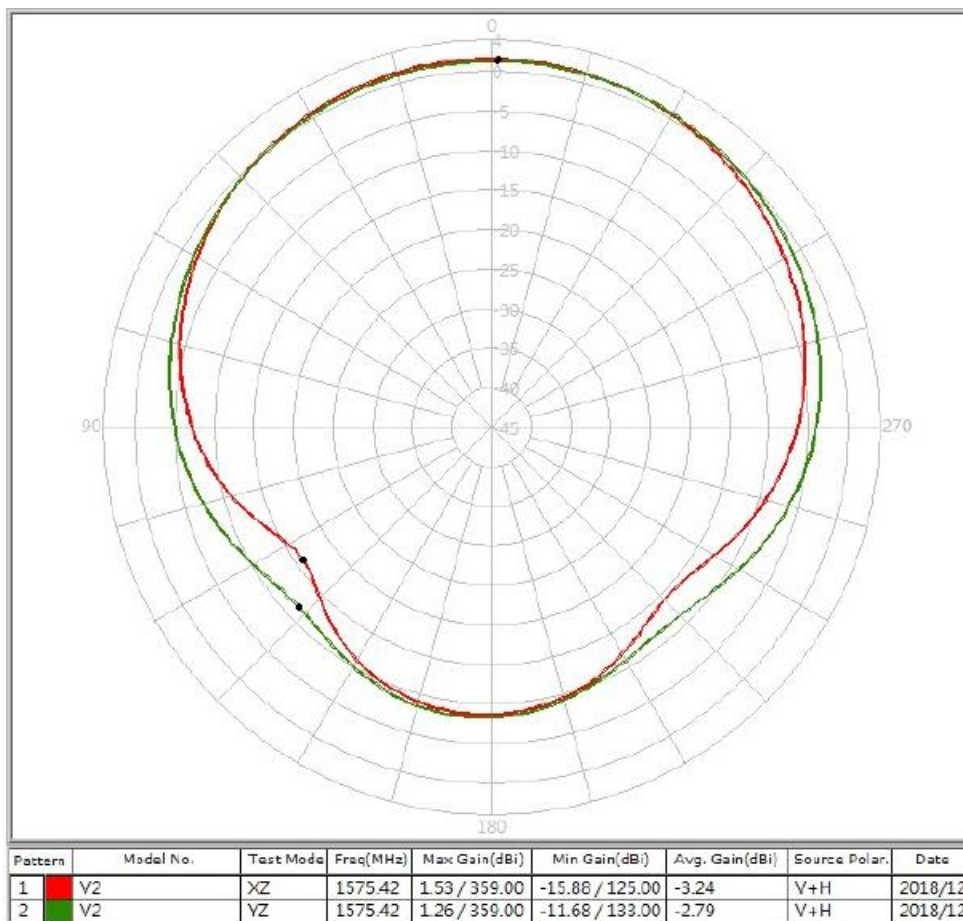
Peak Gain : 1.53 dBi  
At Zenith Gain : 1.51 dBi

YZ-Plane 1575.42MHz



Peak Gain : 1.26 dBi  
At Zenith Gain : 1.25 dBi

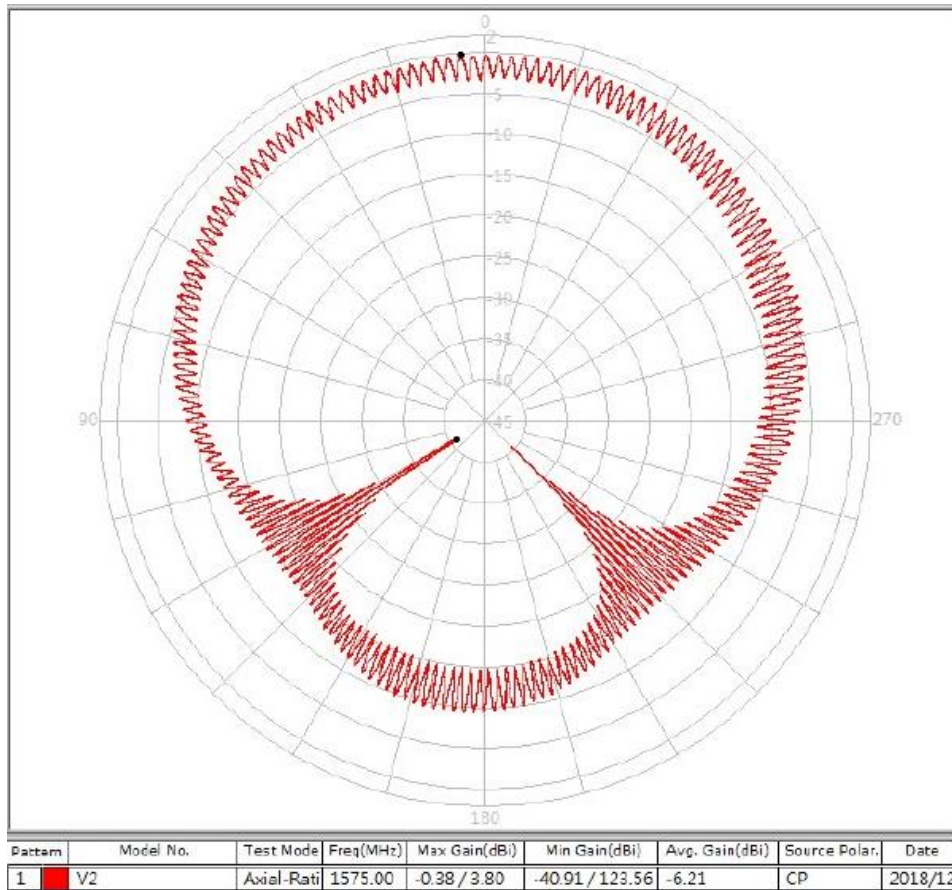
## Gain Pattern Value : (1575.42MHz)



Angle	XZ-Plane	YZ-Plane
90°	-7.23	-5.05
75°	-4.33	-3.21
60°	-2.16	-1.71
45°	-0.48	-0.48
30°	0.69	0.42
15°	1.33	1.00
0°	1.51	1.25
345°	1.22	1.11
330°	0.48	0.68
315°	-0.70	-0.08
300°	-2.24	-1.07
285°	-4.12	-2.33
270°	-6.39	-4.01

(Unit : dBi)

## Axial Ratio Pattern ( Spin Dipole Method ) : (1575.42MHz)

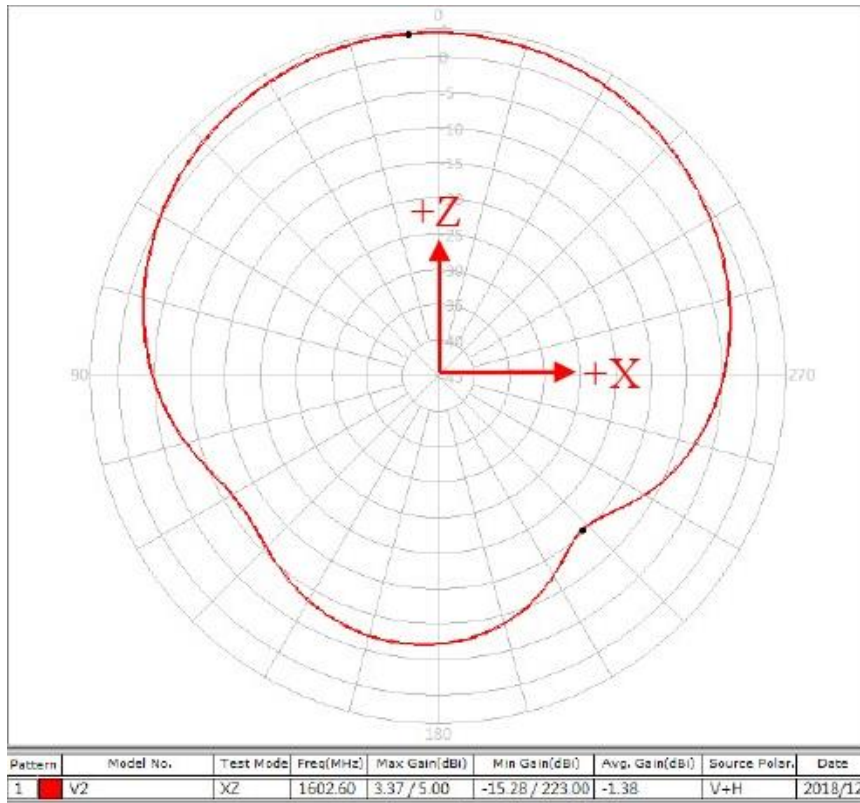


Angle	Axial Ratio
90°	2.13
75°	2.39
60°	2.60
45°	2.22
30°	2.48
15°	2.70
0°	2.69
345°	2.45
330°	3.39
315°	3.93
300°	4.89
285°	4.75
270°	4.46

( At 1575.42MHz )

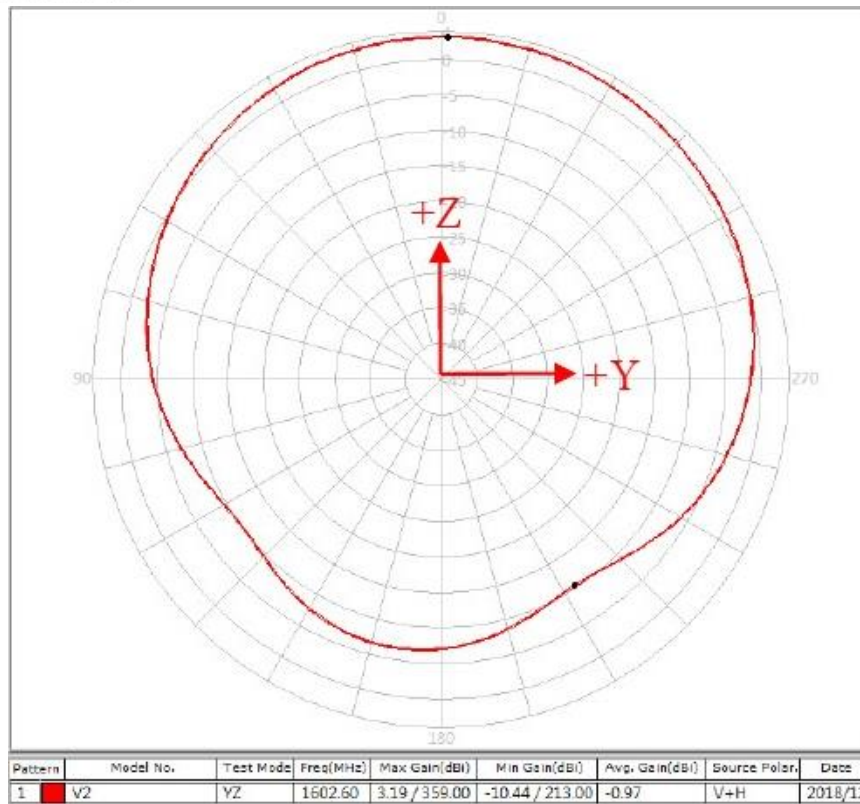


XZ-Plane 1602.6MHz



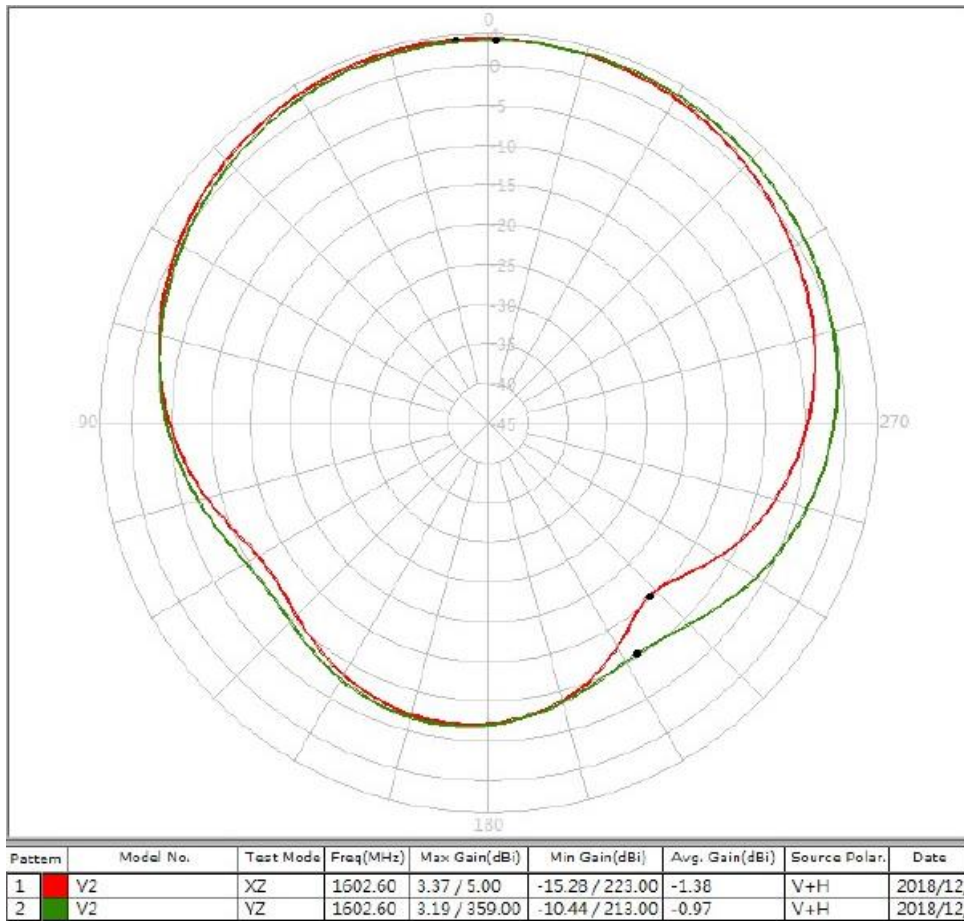
Peak Gain : 3.37 dBi  
At Zenith Gain : 3.33 dBi

YZ-Plane 1602.6MHz



Peak Gain : 3.19 dBi  
At Zenith Gain : 3.14 dBi

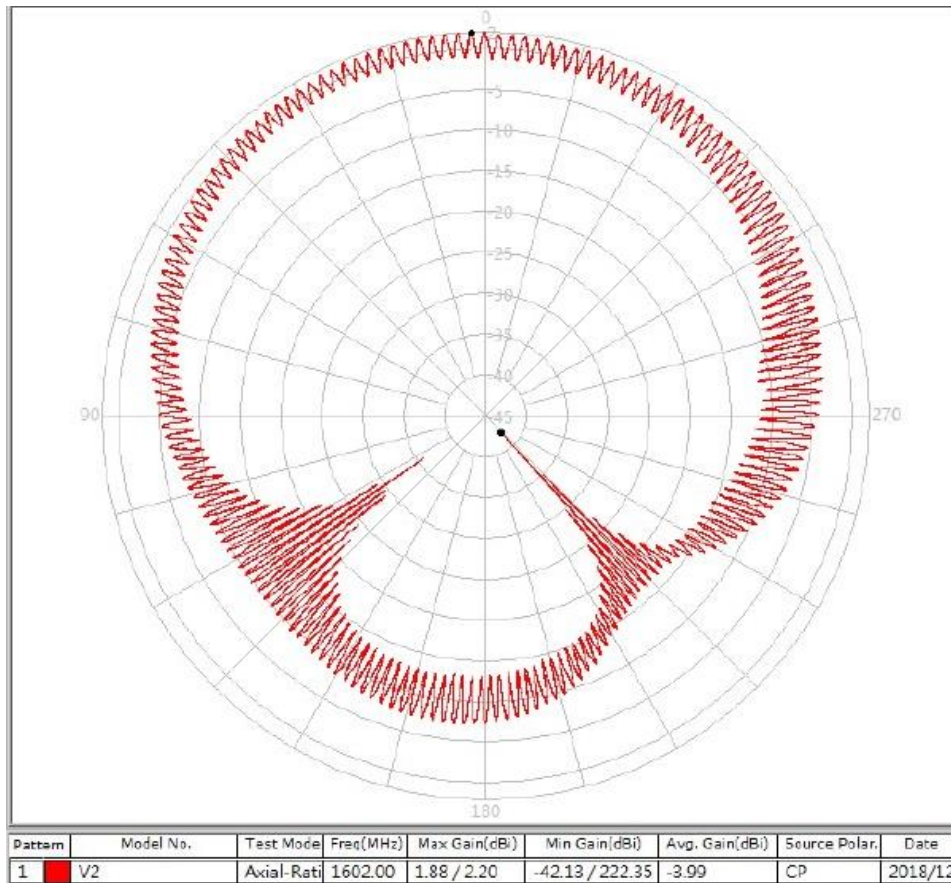
## Gain Pattern Value : (1602.6MHz)



Angle	XZ-Plane	YZ-Plane
90°	-4.79	-4.44
75°	-2.01	-2.25
60°	0.11	-0.43
45°	1.69	1.07
30°	2.74	2.18
15°	3.27	2.87
0°	3.33	3.14
345°	2.92	3.01
330°	2.10	2.58
315°	0.88	1.91
300°	-0.69	1.06
285°	-2.56	0.02
270°	-4.76	-1.42

(Unit : dBi)

## Axial Ratio Pattern ( Spin Dipole Method ) : (1602.6MHz)



Angle	Axial Ratio
90°	3.58
75°	2.93
60°	2.82
45°	2.38
30°	2.38
15°	2.51
0°	2.47
345°	2.96
330°	3.49
315°	4.48
300°	5.46
285°	6.54
270°	6.33

( At 1602.6 MHz )