

P/No: DA-B48G-12-01-BL

✓ RF Specification

Port	Port1	Port2	Port3	Port4
Frequency Range	3550~3700 MHz			
Polarization	-45	+45	-45	+45
HPBW / Horizontal	34~35	34~35	32~34	33~34
HPBW / Vertical	33~35	34~35	35~37	33~34
Peak Gain	12.9~13.6 dBi	12.9~13.5 dBi	12.5~13.3 dBi	13.0~13.7 dBi
VSWR	< 2.0 Max.:1			
Isolation:	>20 dB			
Cable: OD 1.37 Low Loss	Gray L=155mm	White L=150mm	Black L=160mm	Blue L=200mm
Connector	I-PEX MHF 4L R/A PLUG			

Port	GPS
Frequency Range	1575 / 1602MHz
Polarization	Horizontal/Vertical
Horizontal / Vertical	360 / 45°
Peak Gain	2.5~3.1
VSWR	2.0Max.:1

✓ Environmental & Mechanical Characteristics

- Temperature: -30°C to +70°C
- Humidity: 95% @55°C
- Weight: 200g
- Antenna Material: SPTE
- Dimensions: 288.0(L)x168.0(W)x6.4(T)mm

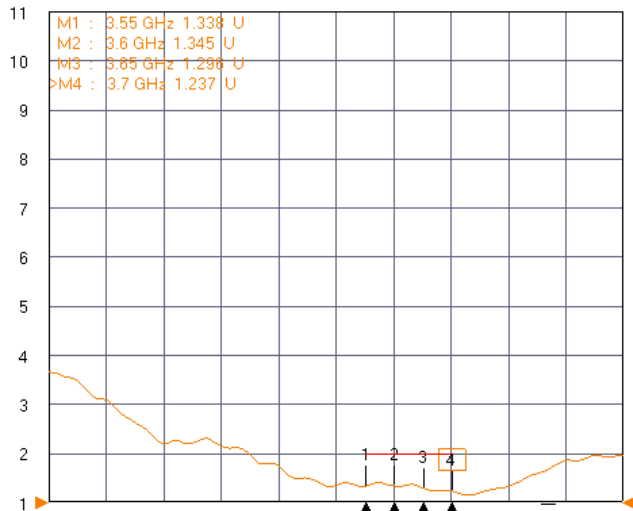
Performance Summary

VSWR

Frequency(MHz)	3550~3700	1573~1606
VSWR	2.0 Max. : 1	2.0 Max. : 1

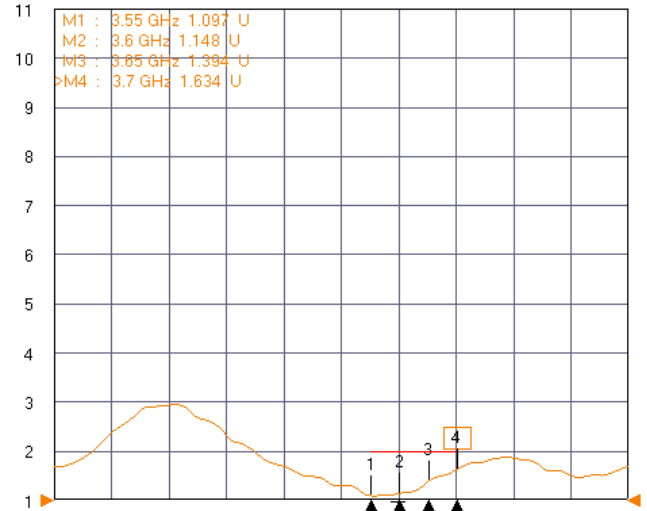
Port#1 (Gray Cable : -45-degree Polar.)

Tr1 S11 Refl SWR RefLvl: 1 U Res: 1 U/Div



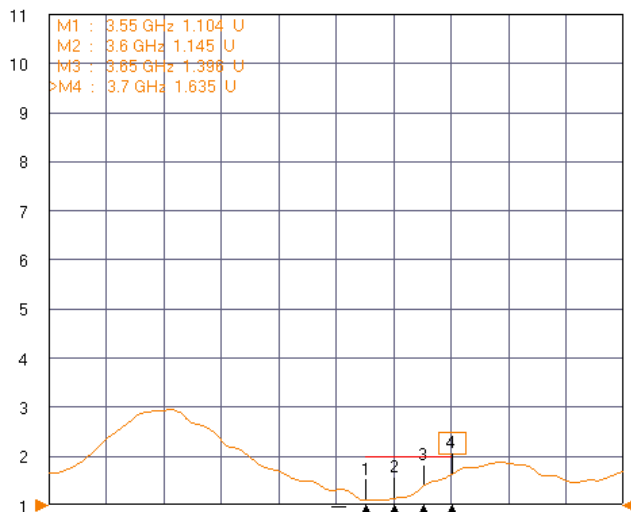
Port#2 (White Cable +45-degree Polar.)

Tr1 S11 Refl SWR RefLvl: 1 U Res: 1 U/Div



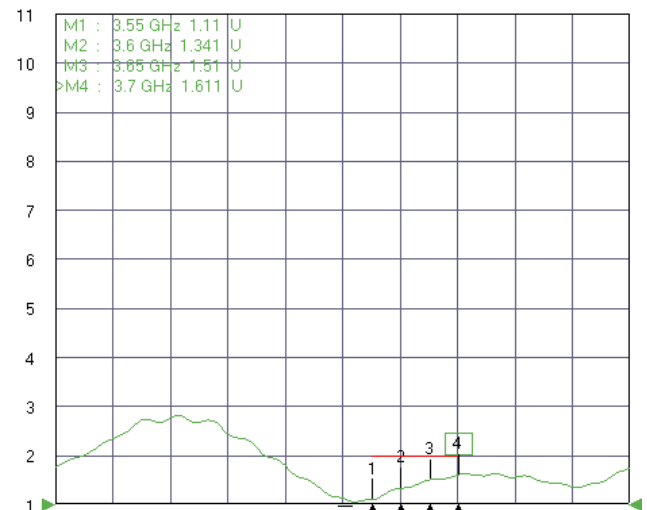
Port#3 (Black Cable : -45-degree Polar.)

Tr1 S11 Refl SWR RefLvl: 1 U Res: 1 U/Div

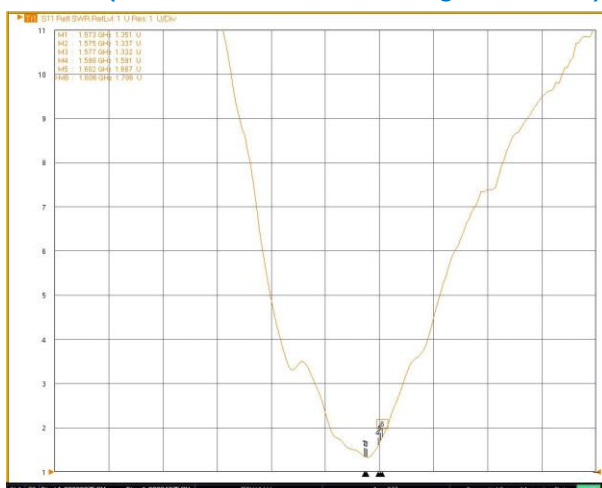


Port#4 (Blue Cable +45-degree Polar.)

Tr2 S22 Refl SWR RefLvl: 1 U Res: 1 U/Div



Port#5 (Green Cable : 0/90-degree Polar.)

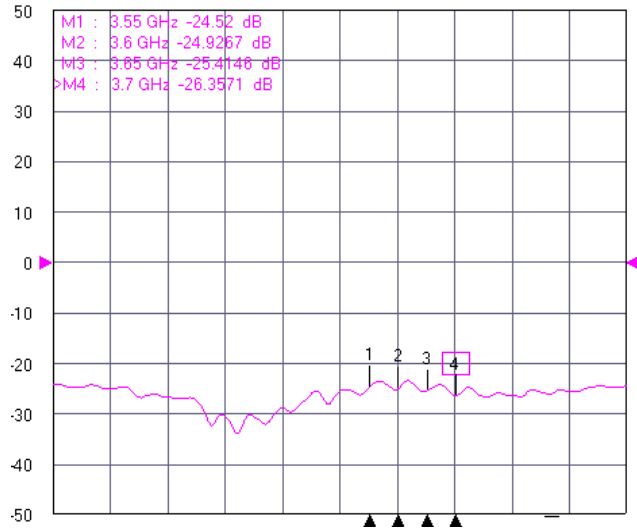


Performance Summary

Isolation

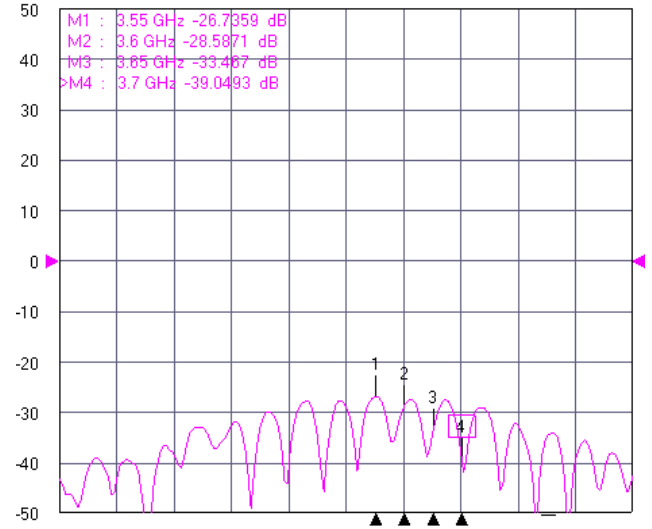
S12

S12 Trans LogM RefLvl: 0 dB Res: 10 dB/Div



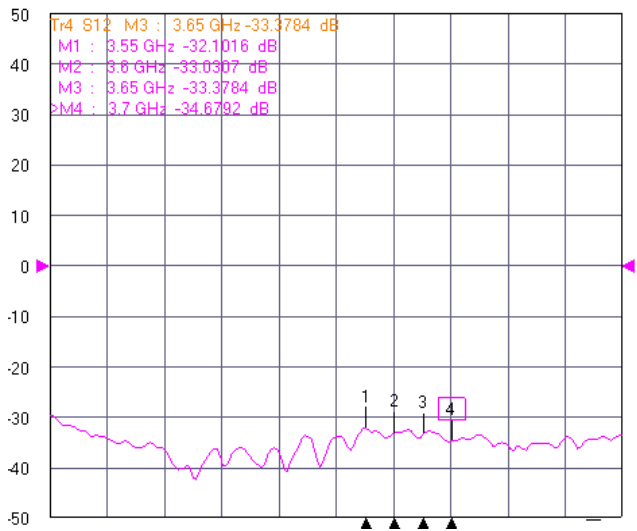
S13

S12 Trans LogM RefLvl: 0 dB Res: 10 dB/Div



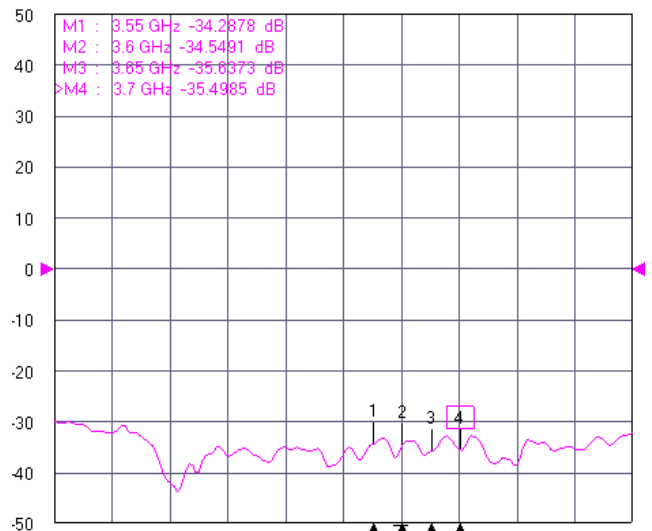
S14

S12 Trans LogM RefLvl: 0 dB Res: 10 dB/Div



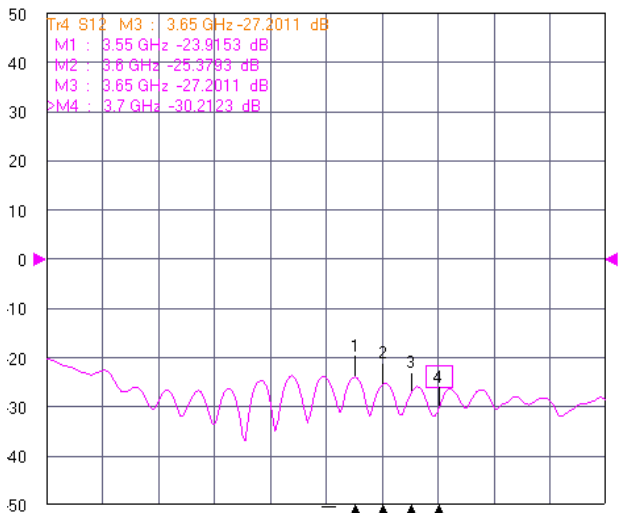
S23

S12 Trans LogM RefLvl: 0 dB Res: 10 dB/Div



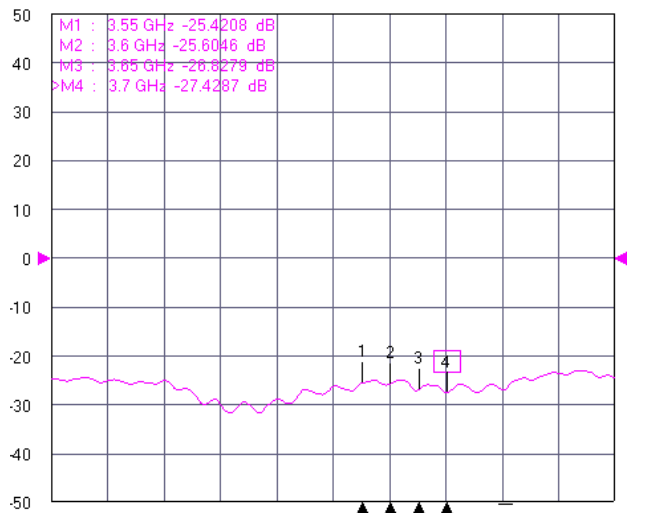
S24

S12 Trans LogM RefLvl: 0 dB Res: 10 dB/Div



S34

S12 Trans LogM RefLvl: 0 dB Res: 10 dB/Div



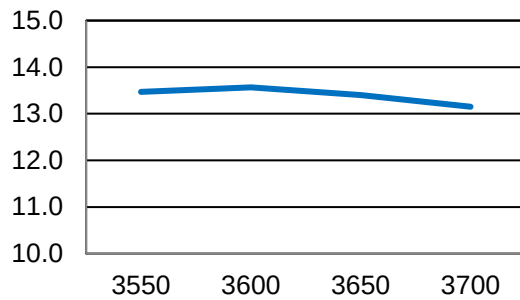
Performance Summary

Gain Table

Port#1 (Gray Cable : -45-degree Polar.)

Peak Gain

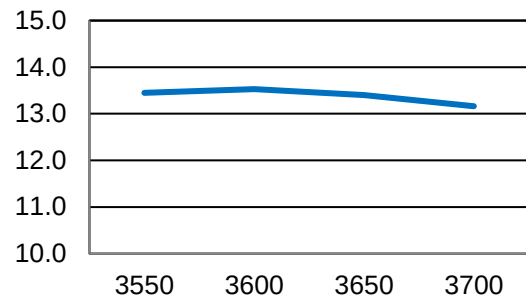
3550MHz~3700MHz



Port#2 (White Cable +45-degree Polar.)

Peak Gain

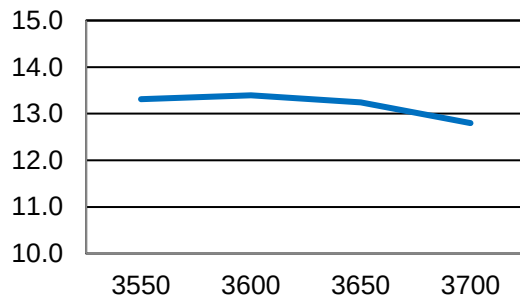
3550MHz~3700MHz



Port#3 (Black Cable : -45-degree Polar.)

Peak Gain

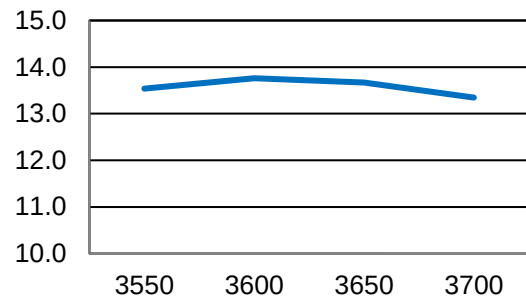
3550MHz~3700MHz



Port#4 (Blue Cable +45-degree Polar.)

Peak Gain

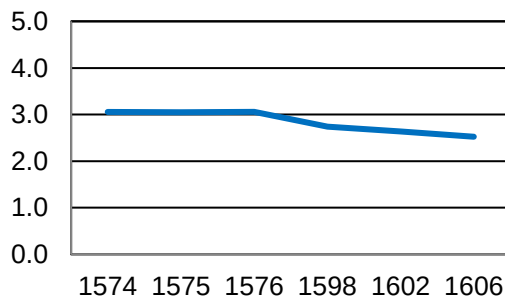
3550MHz~3700MHz



Port#5 (Green Cable : 0/90-degree Polar.)

Peak Gain

1573MHz~1606MHz



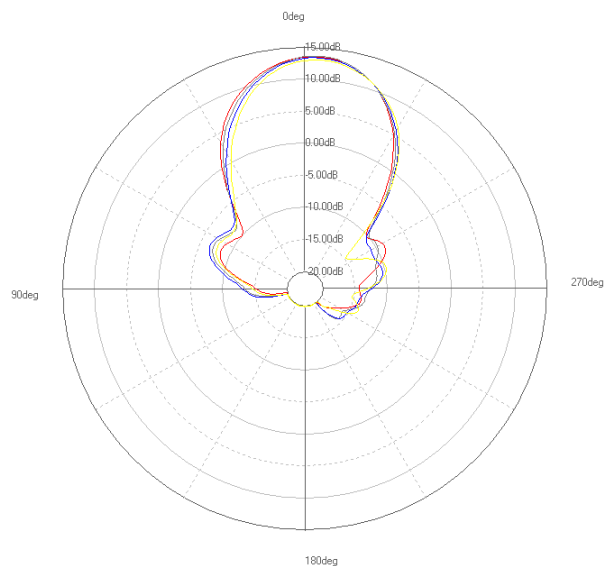
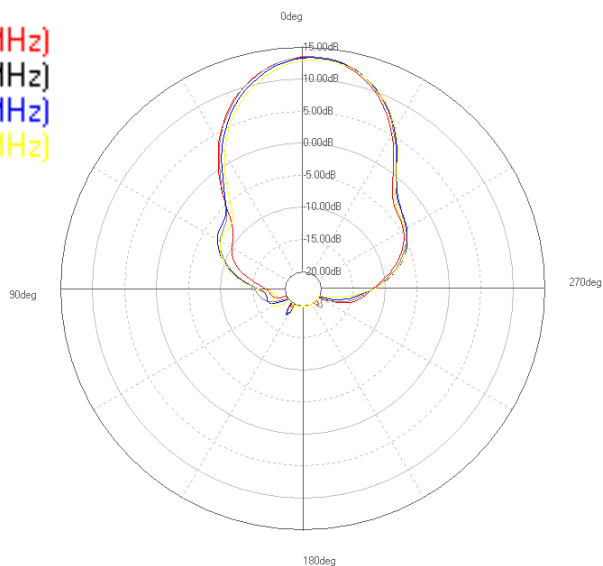
Radiation Pattern ANT1 -45-degree Polar.

H-plane

V-plane

Legend

- 3550(MHz)
- 3600(MHz)
- 3650(MHz)
- 3700(MHz)



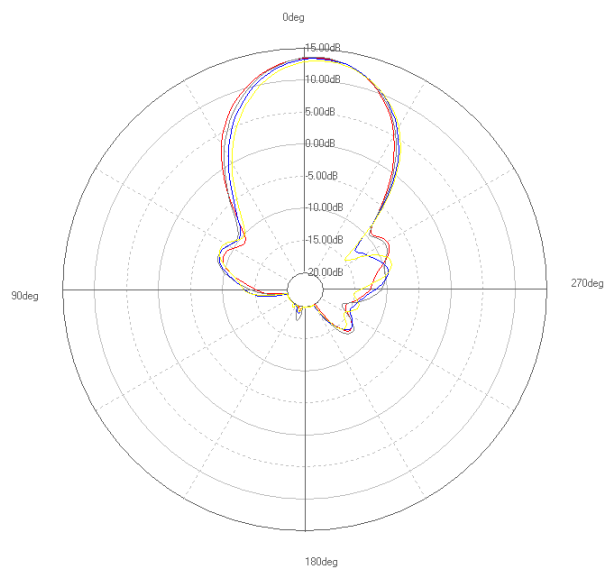
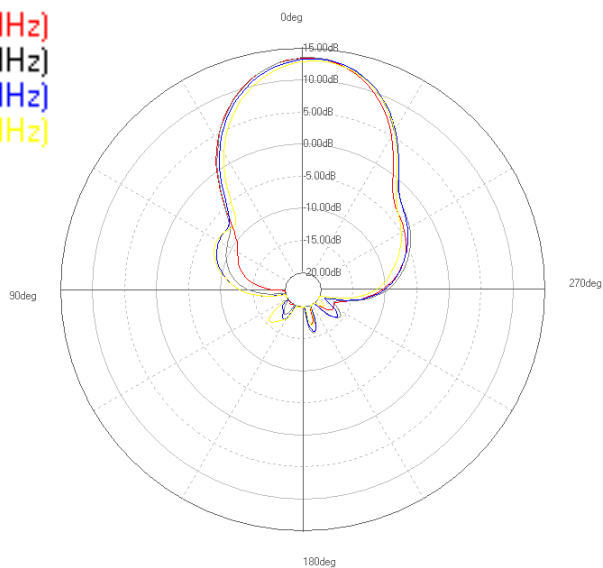
Radiation Pattern ANT2 +45-degree Polar.

H-plane

V-plane

Legend

- 3550(MHz)
- 3600(MHz)
- 3650(MHz)
- 3700(MHz)



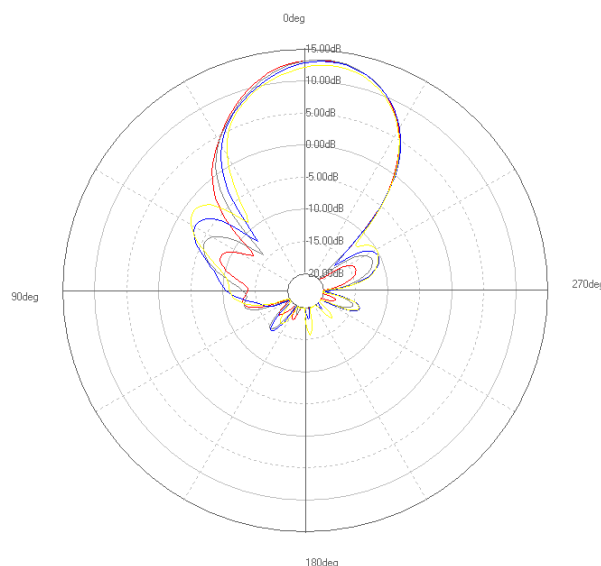
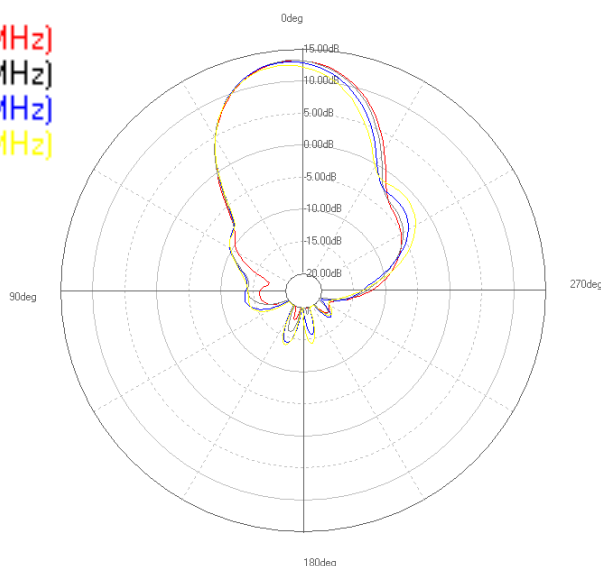
Radiation Pattern ANT3 -45-degree Polar.

H-plane

V-plane

Legend

- 3550(MHz)
- 3600(MHz)
- 3650(MHz)
- 3700(MHz)



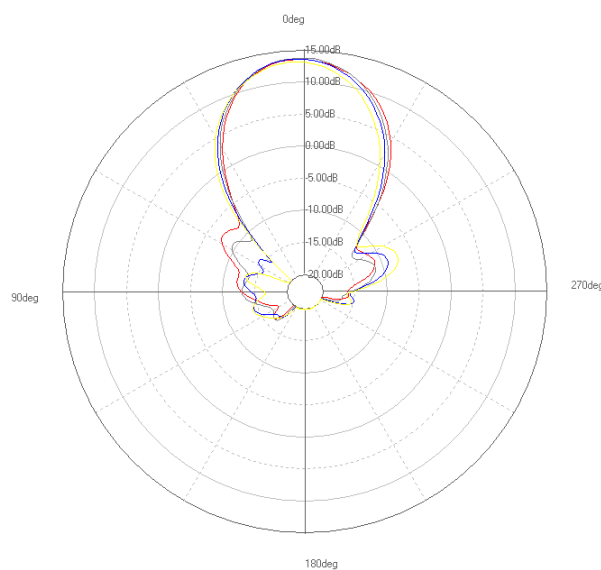
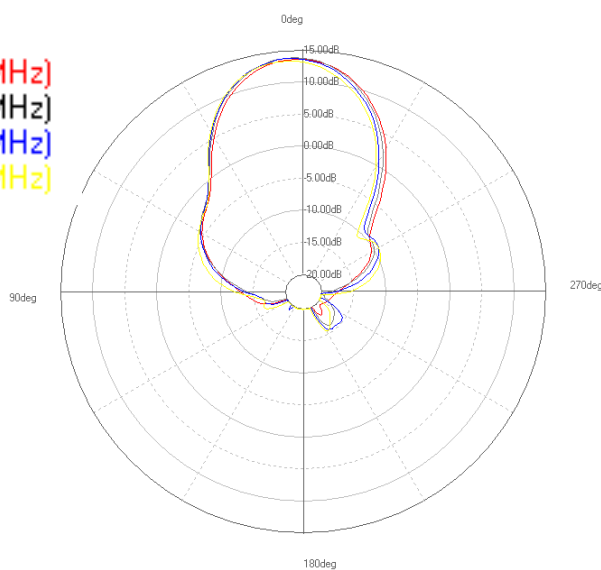
Radiation Pattern ANT4 +45-degree Polar.

H-plane

V-plane

Legend

- 3550(MHz)
- 3600(MHz)
- 3650(MHz)
- 3700(MHz)



Radiation Pattern ANT5 GPS

H-plane

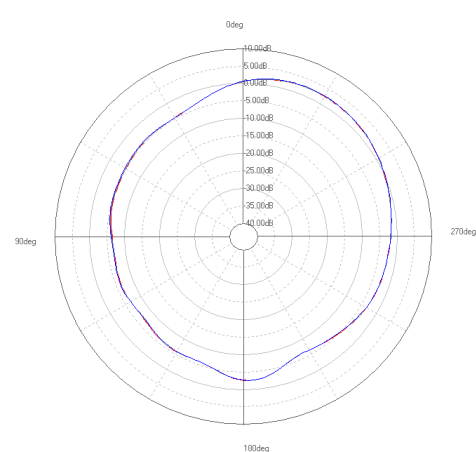
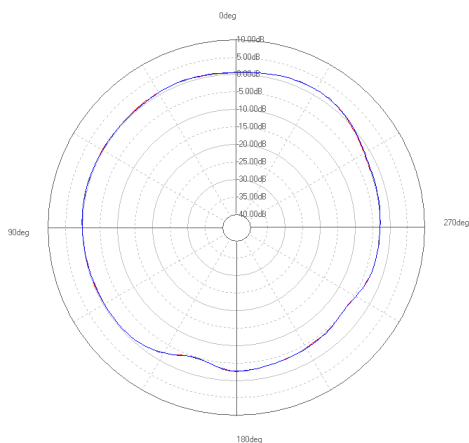
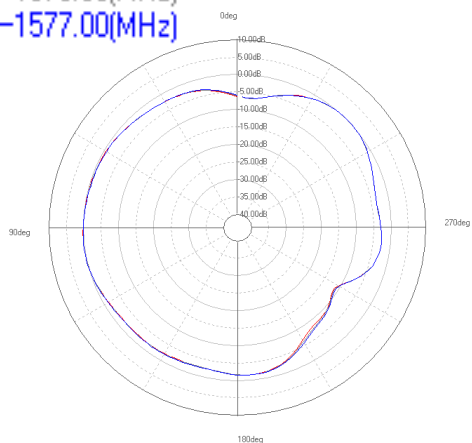
V-plane

Legend

—1573.00(MHz) **XY-plane**
—1575.00(MHz)
—1577.00(MHz)

YZ-plane

ZX-plane



Legend

—1598(MHz) **XY-plane**
—1602(MHz)
—1606(MHz)

YZ-plane

ZX-plane

