



Model: C0053-ANG0003

Omni Directional Antenna for 2.4GHz/5GHz



C0053-ANG0003

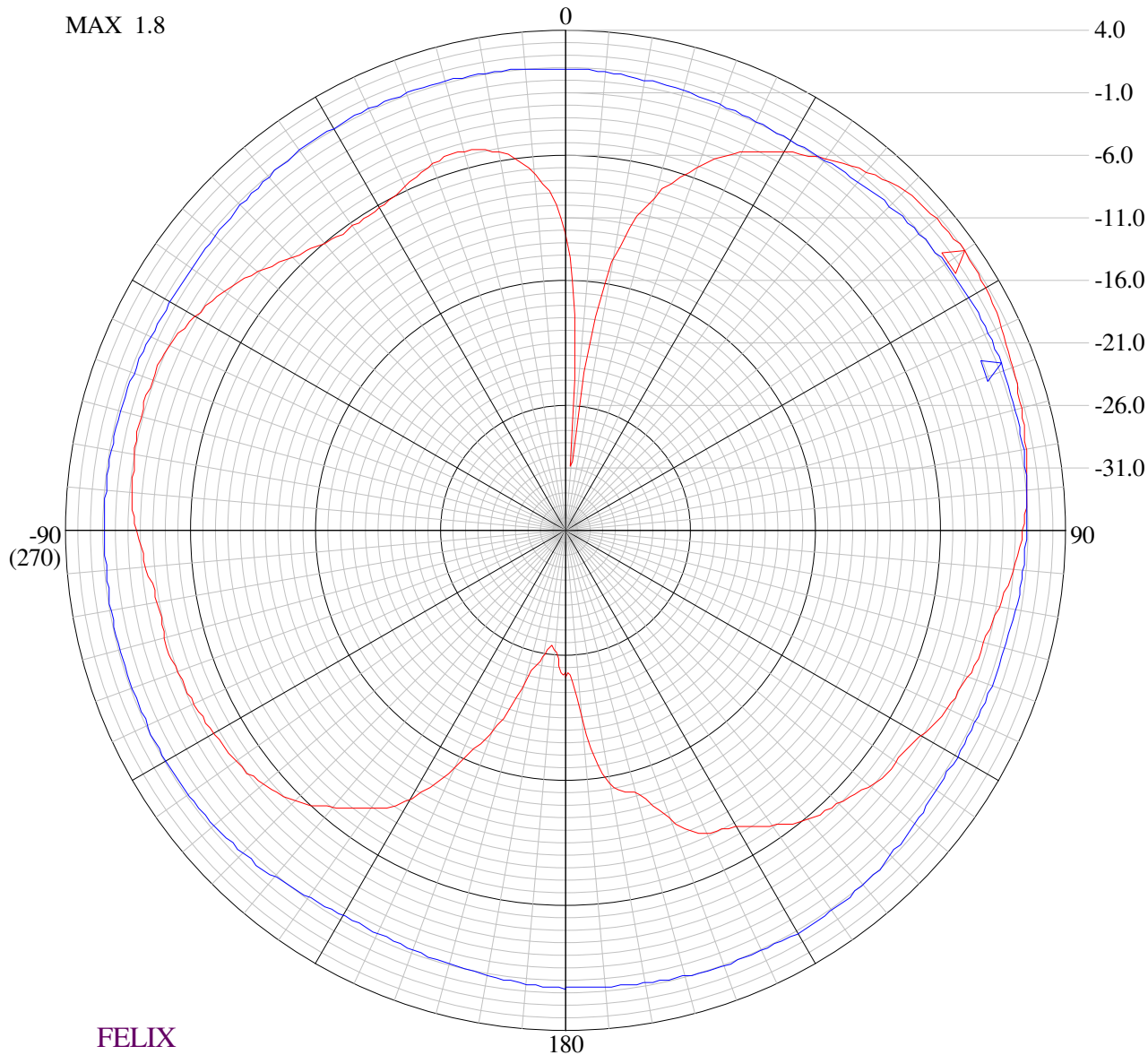
Electrical Specification	
Frequency Range:	2.4 ~ 5.85 GHz
Part Number	
Polarizatin	Linear; Vertical
V. S. W. R.	1.92:1 max.
Impedance	50 Ω
Gain	2 dBi
Radition	Omn
Connector:	RP SMA Plug
HPBW / horizontal	360dB°
HPBW / vertical	29°
Mechanical Specification	
Operating Temperature	-10 ° C~60 ° C
Storage Temperature	-10 ° C~70 ° C
Humidity	95% RH
Radome Material	ABS+PC
Color	Black
Dimensions	12.5mm*196mm
Weight	75 gfw
Mounting Function	Weight Stand. Wall Mount. Magnet Mount.



# GCP-EXCELTEK

Antenna Sacnning system  
Far Field Patterns  
Frequency: 2.4000

E&H-PLANE Linear: 0-deg Cuts



Line Name	Peak Angle	Max Value	Deep Angle	Min Value	Ave Value
E-plane Cut	55.0	1.8	5.0	-30.8	-5.9
H-plane Cut	69.0	1.5	-156.0	-0.5	0.7

FELIX

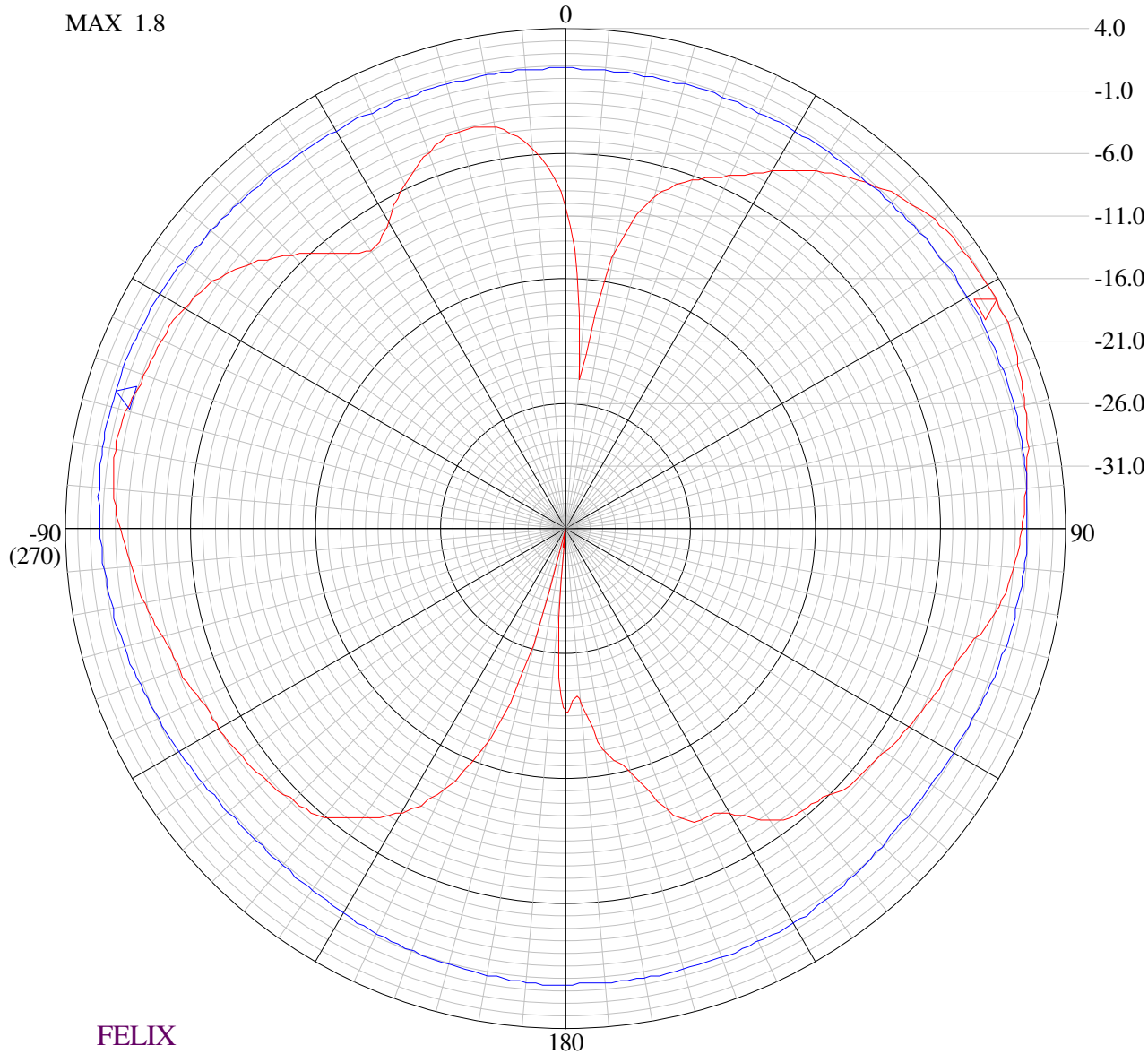
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# GCP-EXCELTEK

Antenna Sacnning system  
Far Field Patterns  
Frequency: 2.5000

E&H-PLANE Linear: 0-deg Cuts



Line Name	Peak Angle	Max Value	Deep Angle	Min Value	Ave Value
E-plane Cut	62.0	1.8	-167.0	-44.4	-6.2
H-plane Cut	-73.0	1.5	-138.0	-0.9	0.6

FELIX

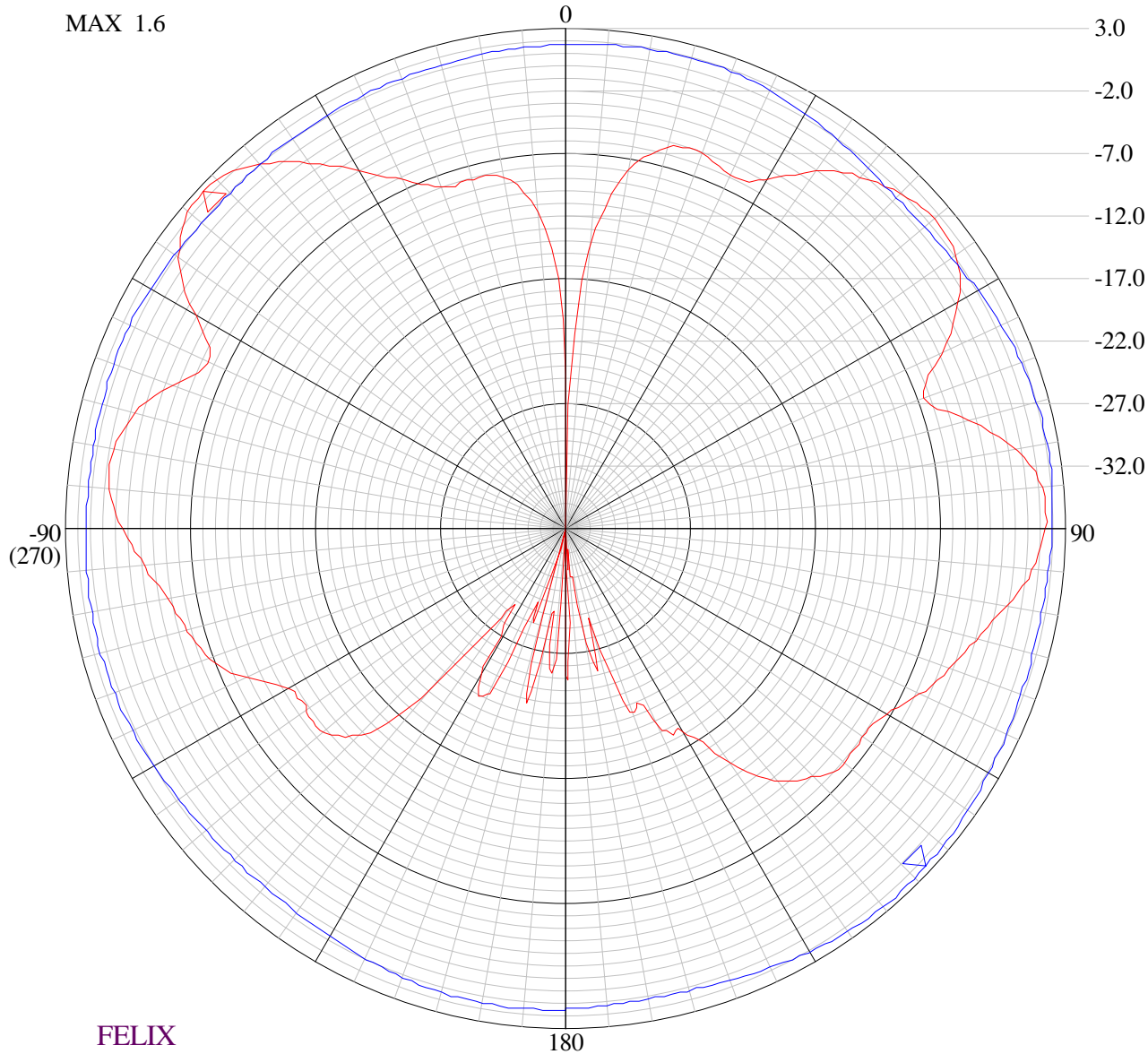
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# GCP-EXCELTEK

Antenna Sacnning system  
Far Field Patterns  
Frequency: 4.9000

E&H-PLANE Linear: 0-deg Cuts



Line Name	Peak Angle	Max Value	Deep Angle	Min Value	Ave Value
E-plane Cut	-47.0	1.6	175.0	-43.5	-9.5
H-plane Cut	133.0	1.5	-139.0	0.4	1.5

FELIX

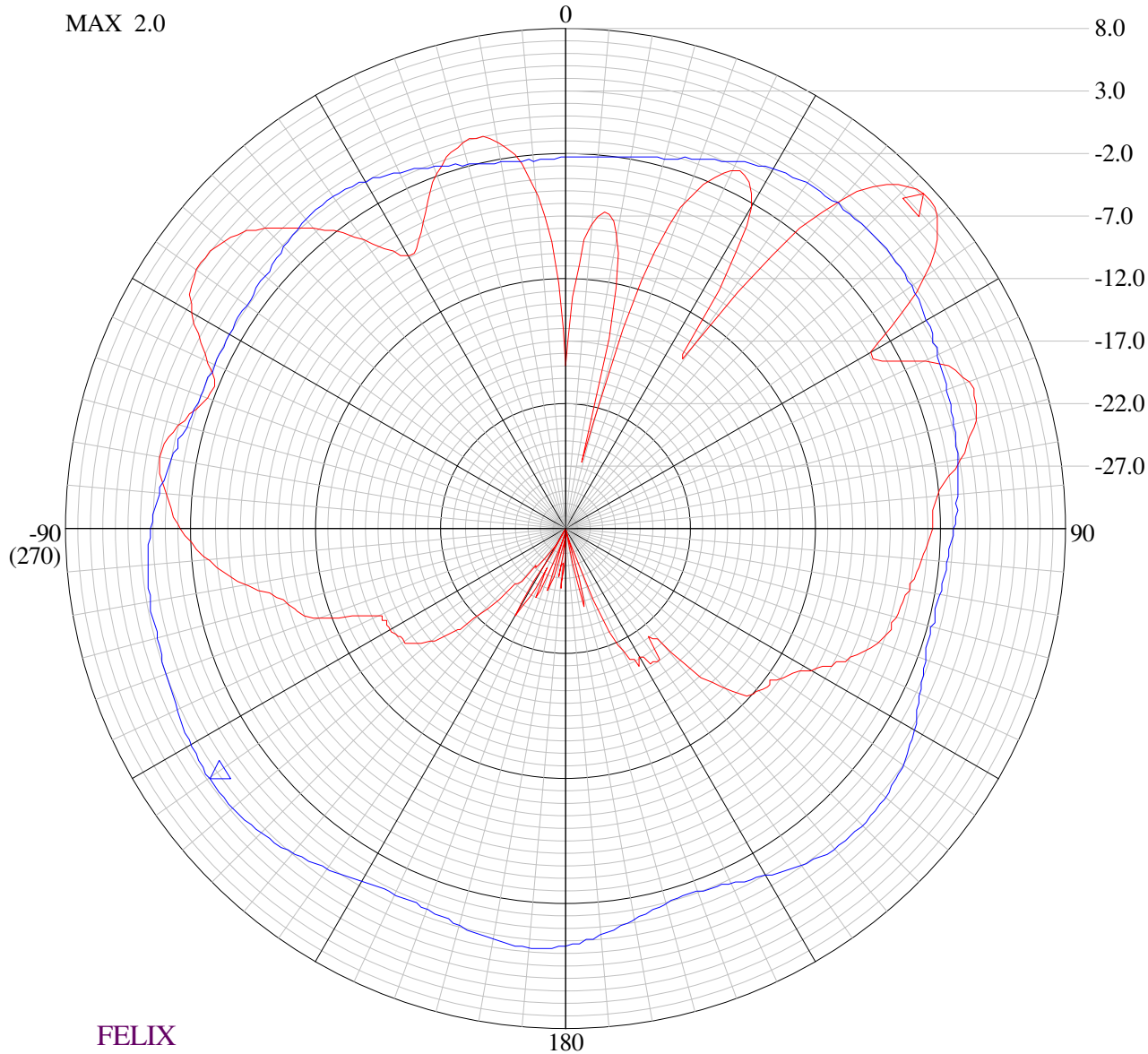
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# GCP-EXCELTEK

Antenna Sacnning system  
Far Field Patterns  
Frequency: 5.8500

E&H-PLANE Linear: 0-deg Cuts

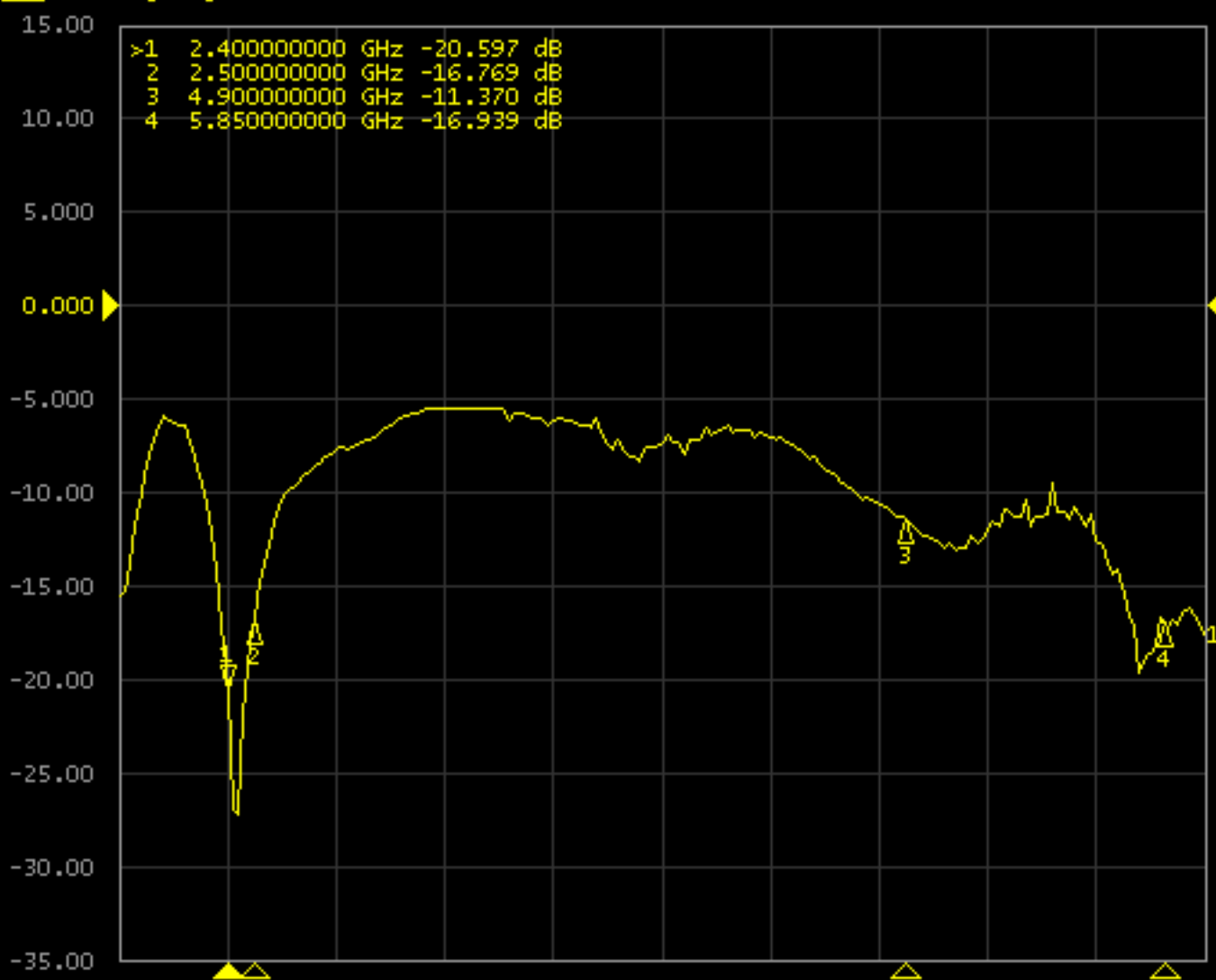


Line Name	Peak Angle	Max Value	Deep Angle	Min Value	Ave Value
E-plane Cut	47.02	2.00	160.0	-52.9	-10.3
H-plane Cut	-125.0	1.9	-5.0	-2.4	0.3

FELIX

Tuesday, November 01, 2005 03:57:02:PM  
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▶ Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F1]



Format

Log Mag

▲

● Log Mag

Phase

Group Delay

Smith ▶

Polar ▶

Lin Mag

SWR

Real

Imaginary

▼

2 Start 2 GHz

IFBW 70 kHz

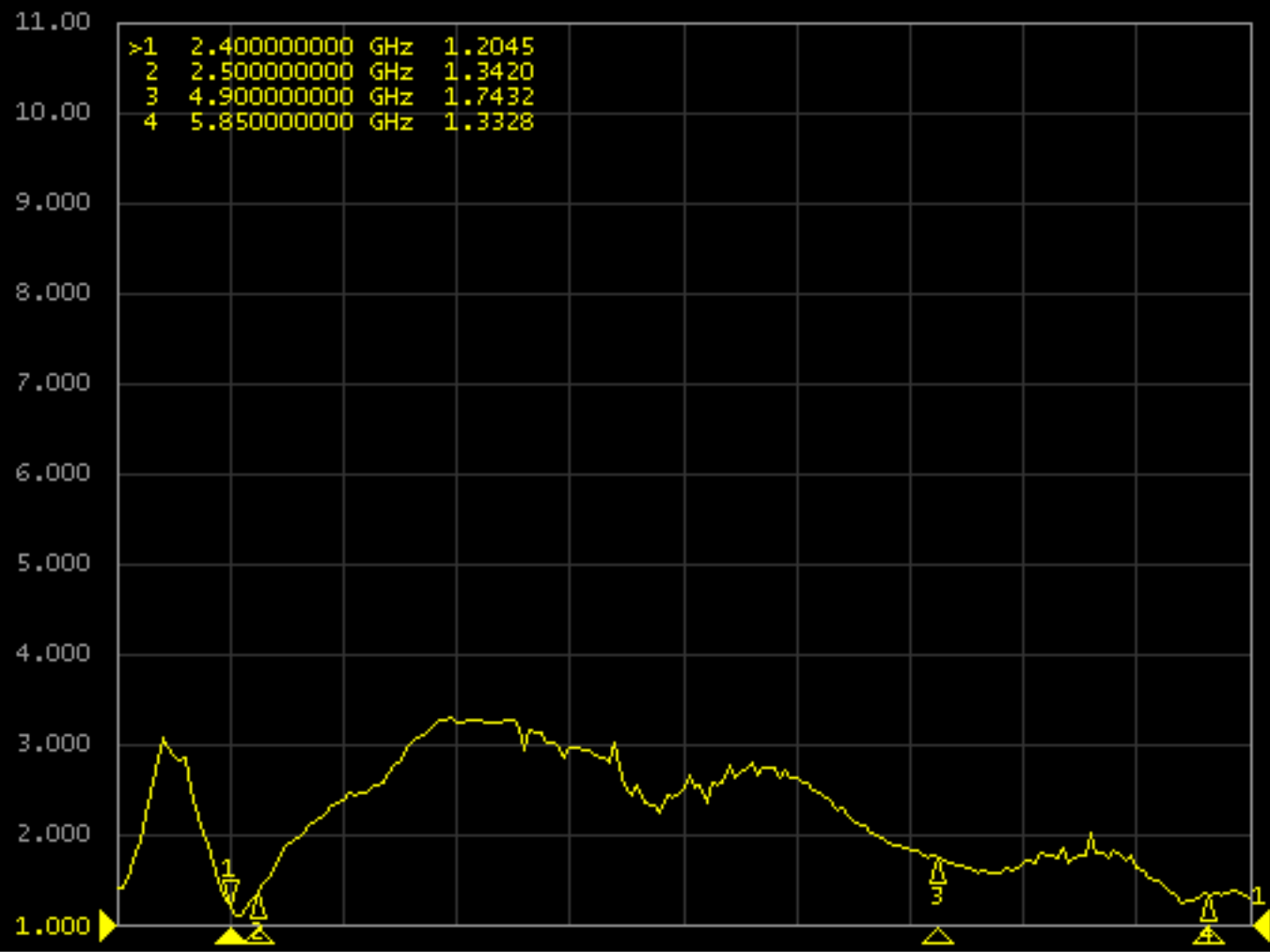
Stop 6 GHz C? !



Start 2 GHz

Stimulus

Tr1 S11 SWR 1.000/ Ref 1.000 [F1]



Start

2.0000 GHz

Stop

6.0000 GHz

Center

4.0000 GHz

Span

4.0000 GHz

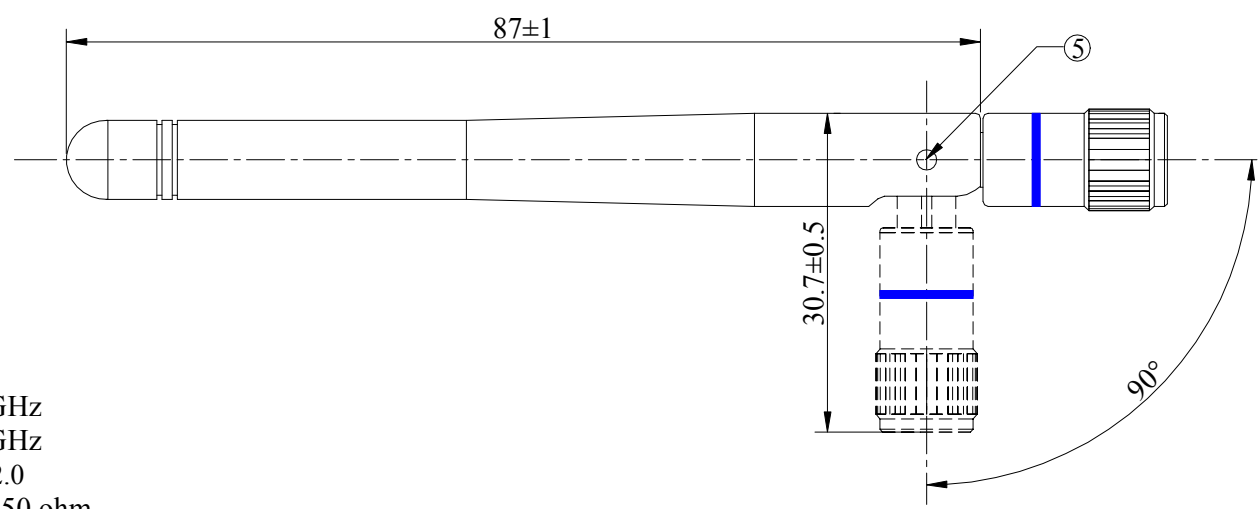
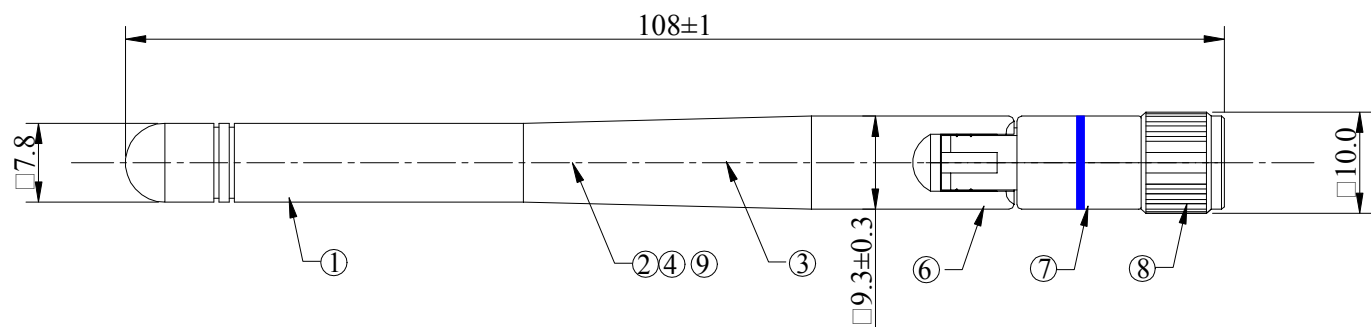
Return

2 Start 2 GHz

IFBW 70 kHz

Stop 6 GHz C?

REV	DESCRIPTION	DATE
01	FIRST RECEIVED	2005-12-22
02	ADD PLASTIC(down) BLUE MARKING	2005-02-24
03	CHANGE VSWR	2007-01-15



NOTES:

- 1) 频率:  
2.4~2.5GHz  
5.3~5.5GHz
- 2) VSWR ≤ 2.0
- 3) Impedance: 50 ohm
- 4) Polarization: Vertical
- 5) Operating temperature range -30°C to +70°C.

NO.	ITEM	DESCRIPTION	QTY	NOTE
⑨	H.S.TUBE	Heat Shrink Tube Black	1PC	OR EQUIVALENT
⑧	CONNECTOR	RSMA, STRAIGHT PLUG □10.0mm, BRASS PLATED BLACK CHROME	1SET	OR EQUIVALENT
⑦	PLASTIC(down)	PA+30%GF COLOR:BLACK	1PC	OR EQUIVALENT
⑥	PLASTIC(up)	PC COLOR:BLACK	1PC	OR EQUIVALENT
⑤	PIN	BRASS PLATED BLACK NICKEL	2PCS	OR EQUIVALENT
④	COPPER TUBE(UP)	BRASS	1PC	OR EQUIVALENT
③	COPPER TUBE(down)	BRASS	1PC	OR EQUIVALENT
②	CABLE	RG178	1PC	OR EQUIVALENT
①	RADOME	TPEE COLOR:BLACK	1PC	OR EQUIVALENT

THIRD ANGLE PROJECTION		DRAWING APPROVAL	
		DWN:	
		CHK:	
TOLERANCES UNLESS OTHERWISE SPECIFIED		APPD:	
		SIZE: A4	UNIT: mm
ONE PLACE DECIMAL .X	±0.3	SCALE: N/A	
TWO PLACE DECIMAL .XX	±0.10	SHEET: 1 OF 1	
THREE PLACE DECIMAL .XXX	±0.05	CUS REV: N/A	
HOLE DIA. VARIATION .XX	N/A	EXC REV: 03	
ANGULAR DIMENSION (ENG)	±5		



CUS: C0053	EXK P/N. C0053-ANG0003
	CUS P/N. Antenna R-P-SMA male connector 2.4-5.85GHz

2.4~5.85GHz Antenna

BILL OF MATERIAL				
NO.	ITEM	DESCRIPTION	QTY	NOTE