

WHA YU INDUSTRIAL CO., LTD. (HEAD OFFICE)
TAI HWA ELECTRONIC CO., LTD.(CHINA)
SHANGHAI HUA YU ELECTRONIC CO., LTD.(CHINA)
AEON TECH CO., LTD. (CHINA)

SPECIFICATION FOR APPROVAL

CUSTOMER: 中磊科技股份有限公司

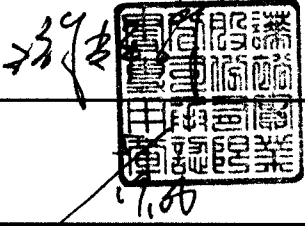
PART NAME: SMB Antenna

PART NO.: 61720063WY

REVISION:

W. Y. P/NO.: C147-510263-A

REV.: X2

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :		
DATE :		

WHA YU GROUP

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RF Antenna Cable Assembly

Specification

1. Electrical Properties :

- 1.1 Frequency Range.....2.4GHz ~ 2.5GHz
- 1.2 Impedance 50 Ω Nominal
- 1.3 VSWR 1.92 Max.
- 1.4 Return Loss..... -10 dB Maximum
- 1.5 Radiation Omni-directional
- 1.6 Antenna Gain(peak)..... 1.8dBi (excluding cable loss)
- 1.7 Antenna Cable Loss..... 0.9 dB
- 1.8 Polarization..... Linear Vertical
- 1.9 Admitted Power..... 1W

2. Physical Properties :

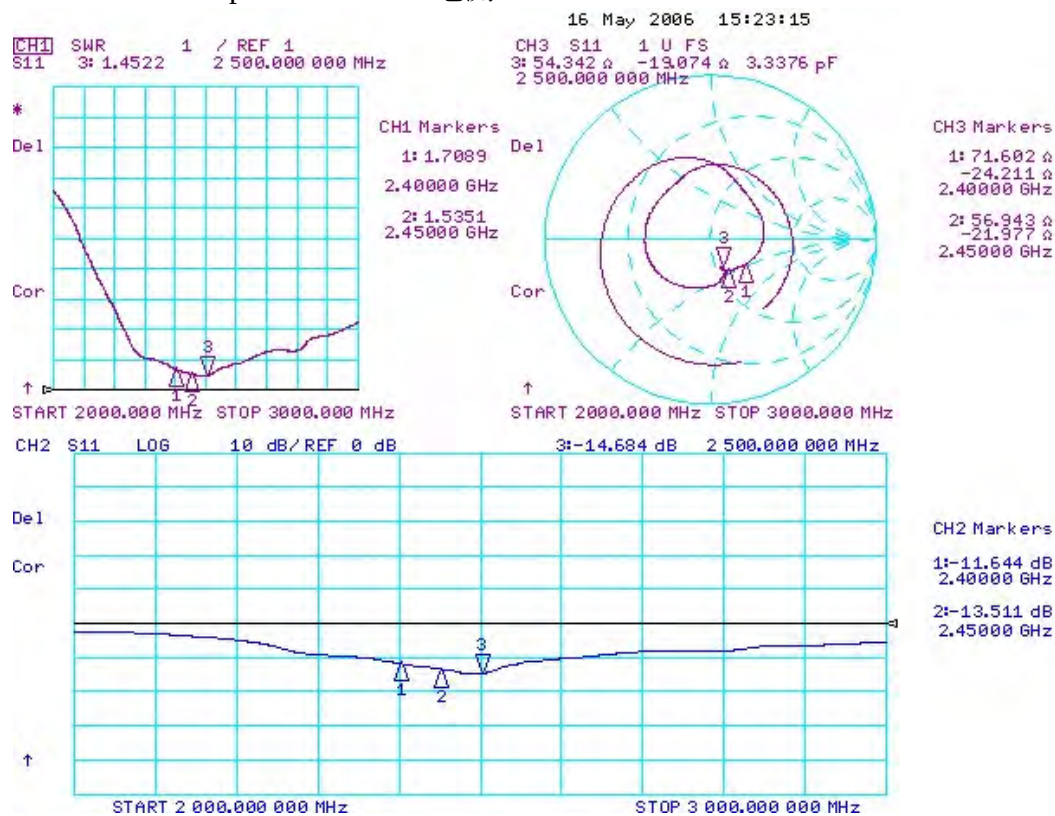
- 2.1 Cable..... ϕ 1.13 Coaxial Cable
- 2.2 Operating Temp. -20°C ~ +65°C
- 2.3 Storage Temp. -30°C ~ +75°C
- 2.4 Antenna Cap TPE
- 2.5 Antenna Body..... PC
- 2.6 Antenna Body..... POM
- 2.7 Connector..... HRS Connector

A		B		C		D		E		F		G																																																			
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一、Antenna 外觀

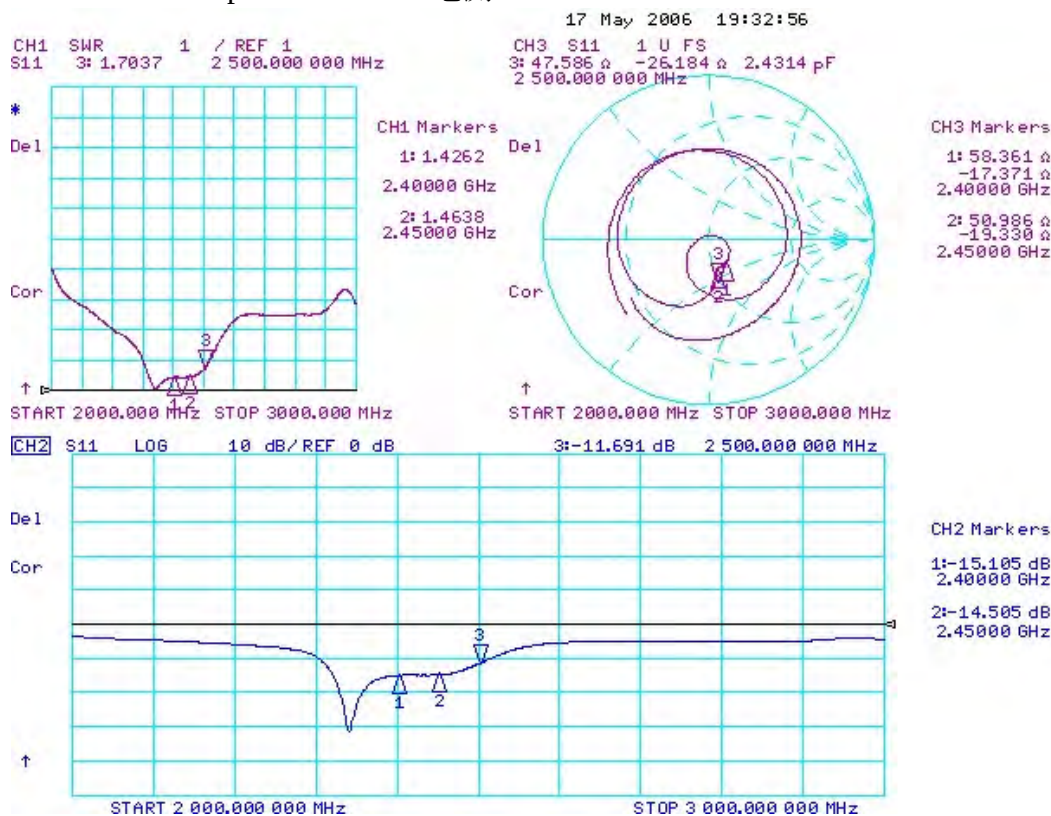


二、Dipole 1 Antenna 電測

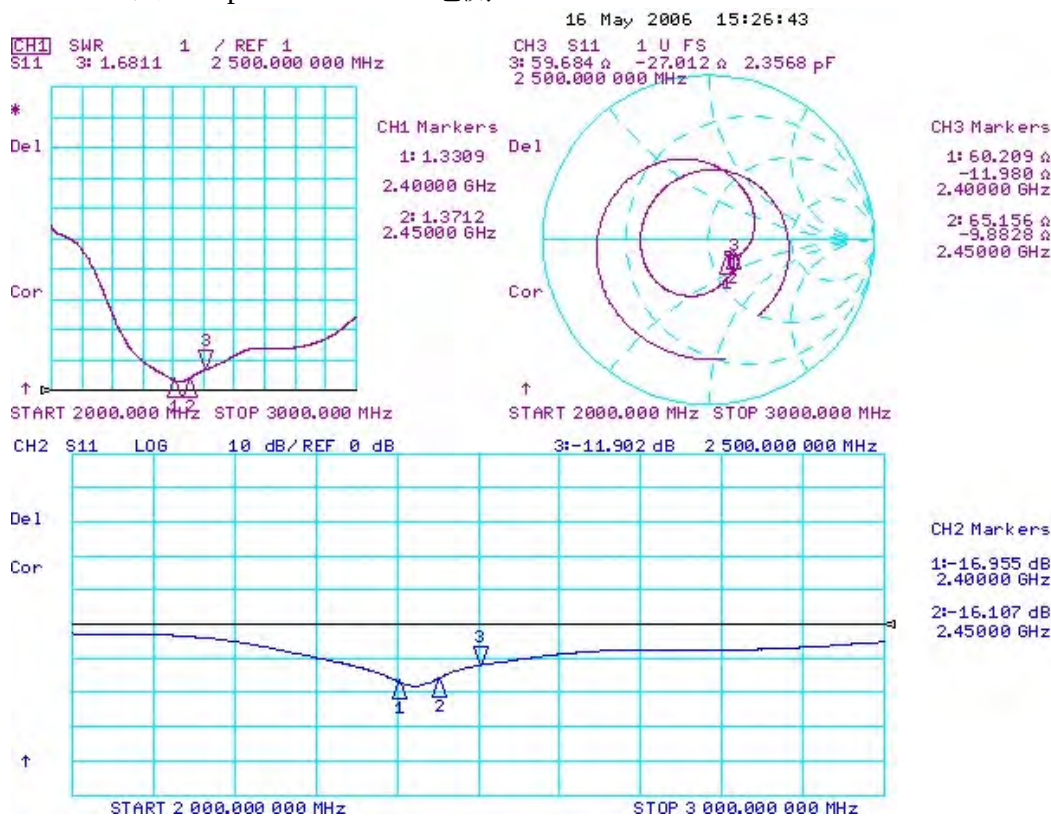




三、Dipole 2 Antenna 電測



四、Dipole 3 Antenna 電測

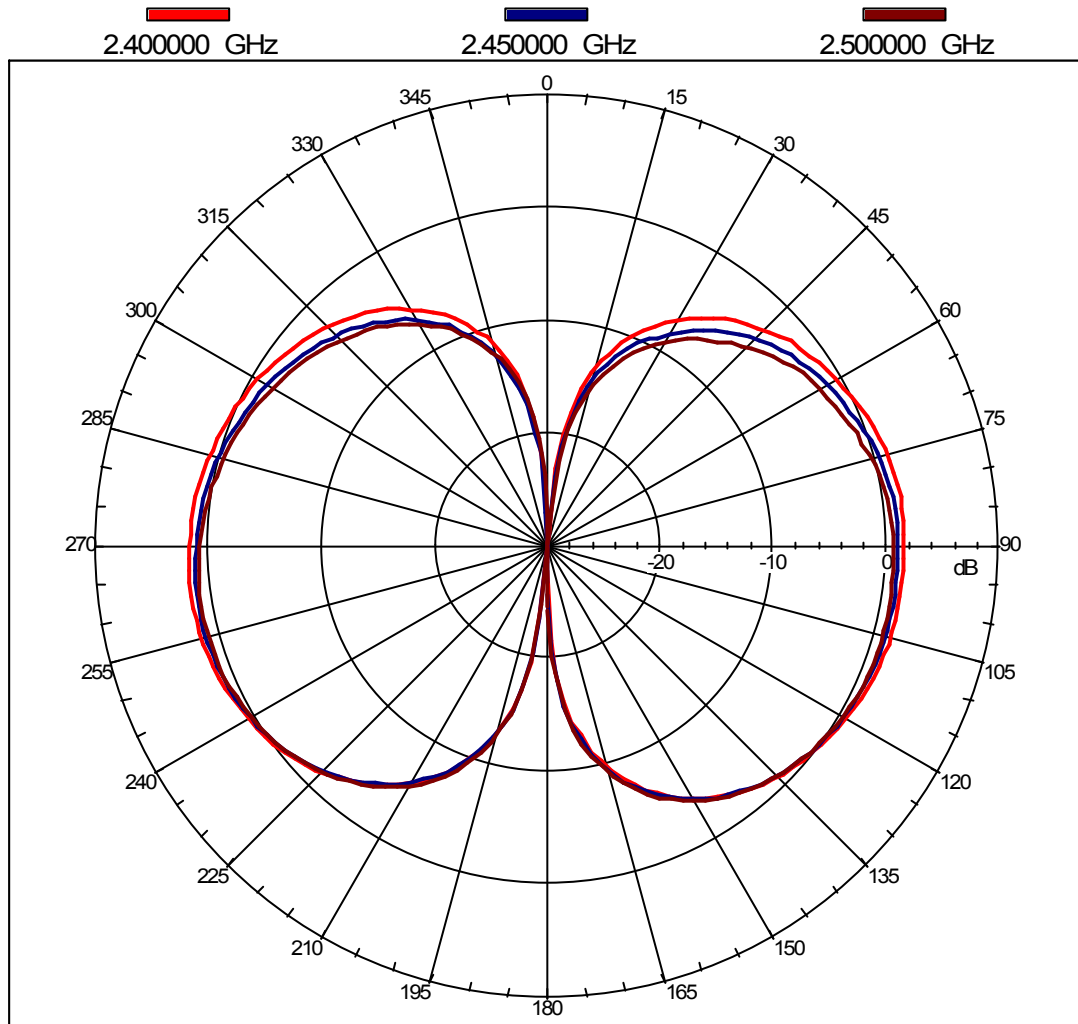




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Far-field amplitude of Ant01 H.nsi

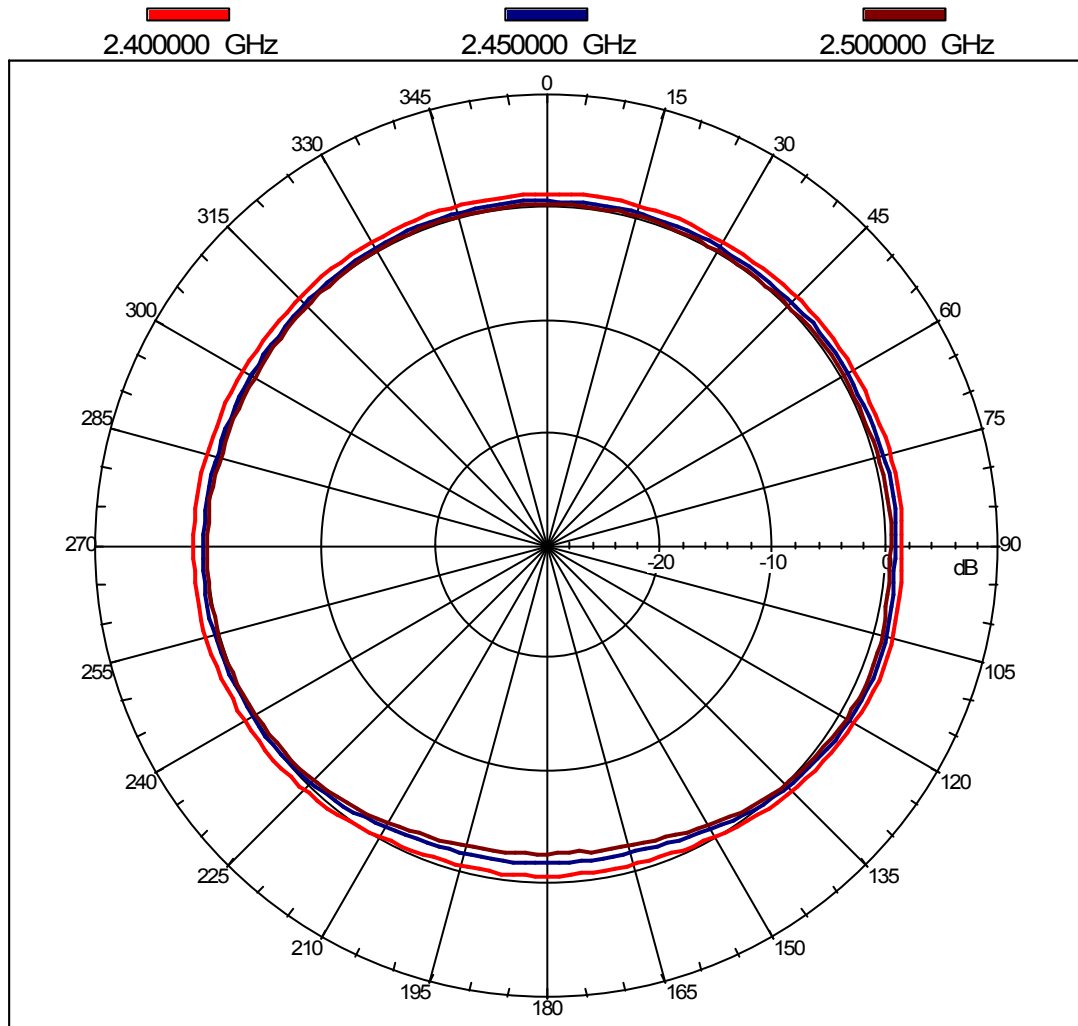




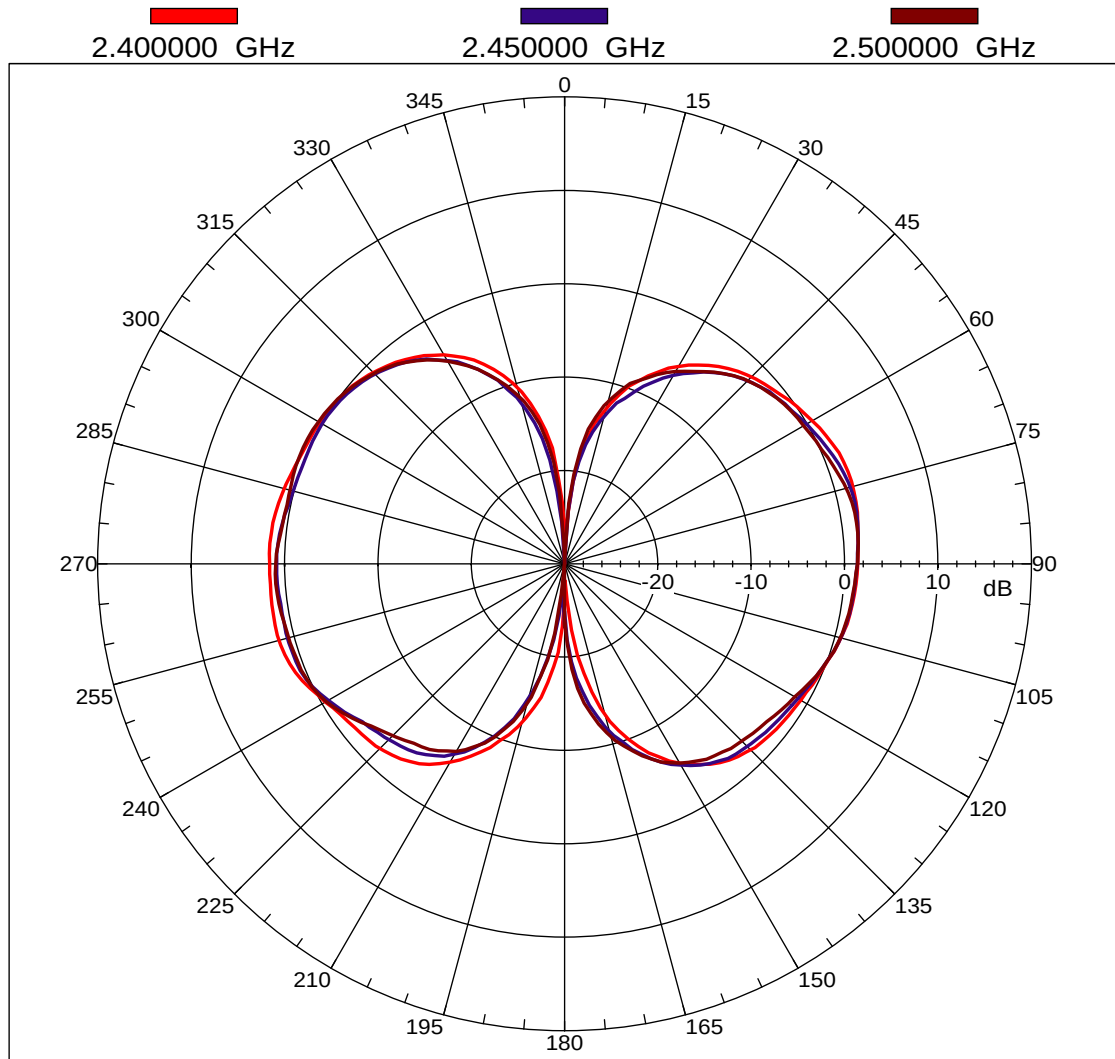
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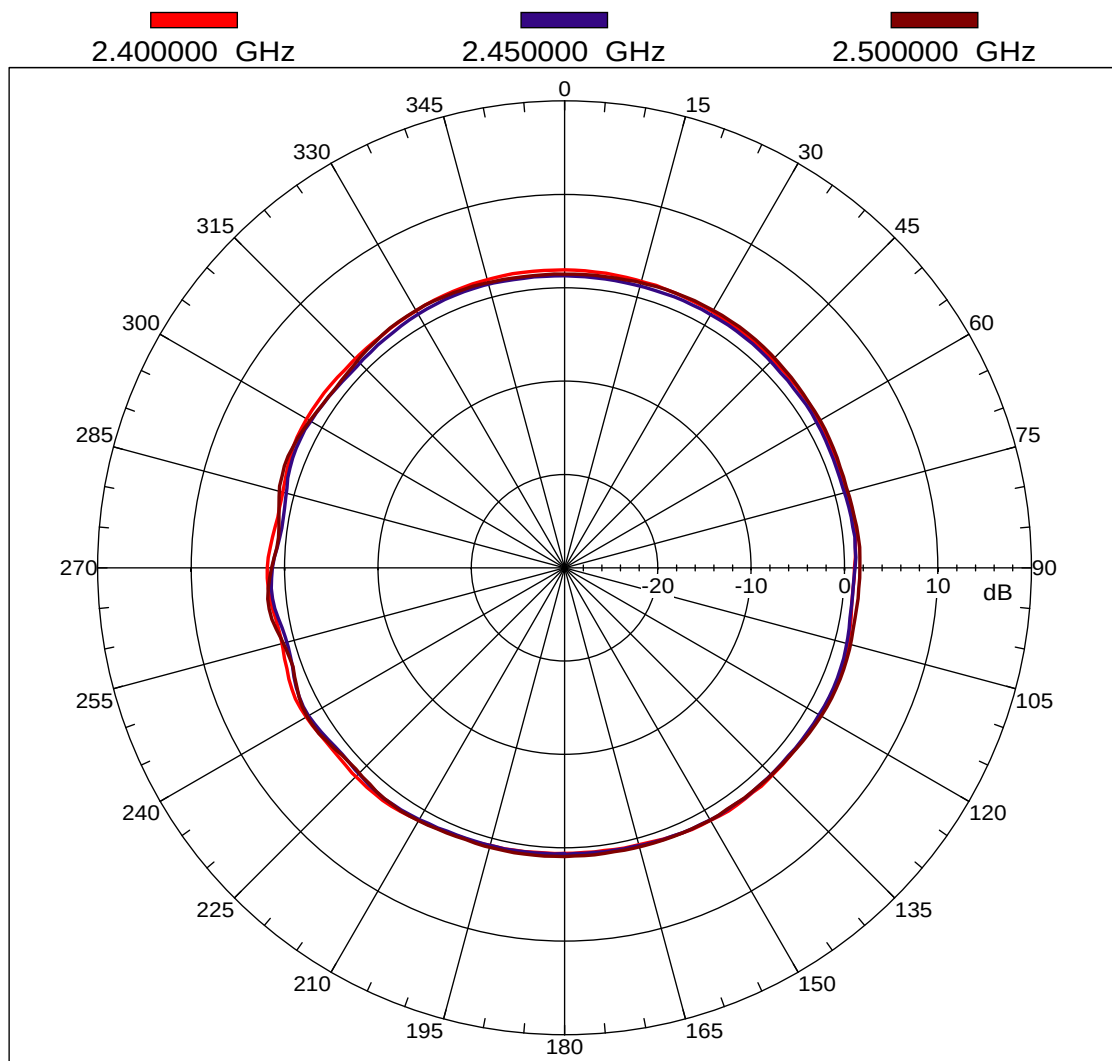
Far-field amplitude of Ant01 V.nsi



Far-field amplitude of Ant02-H.nsi



Far-field amplitude of Ant02-V.nsi

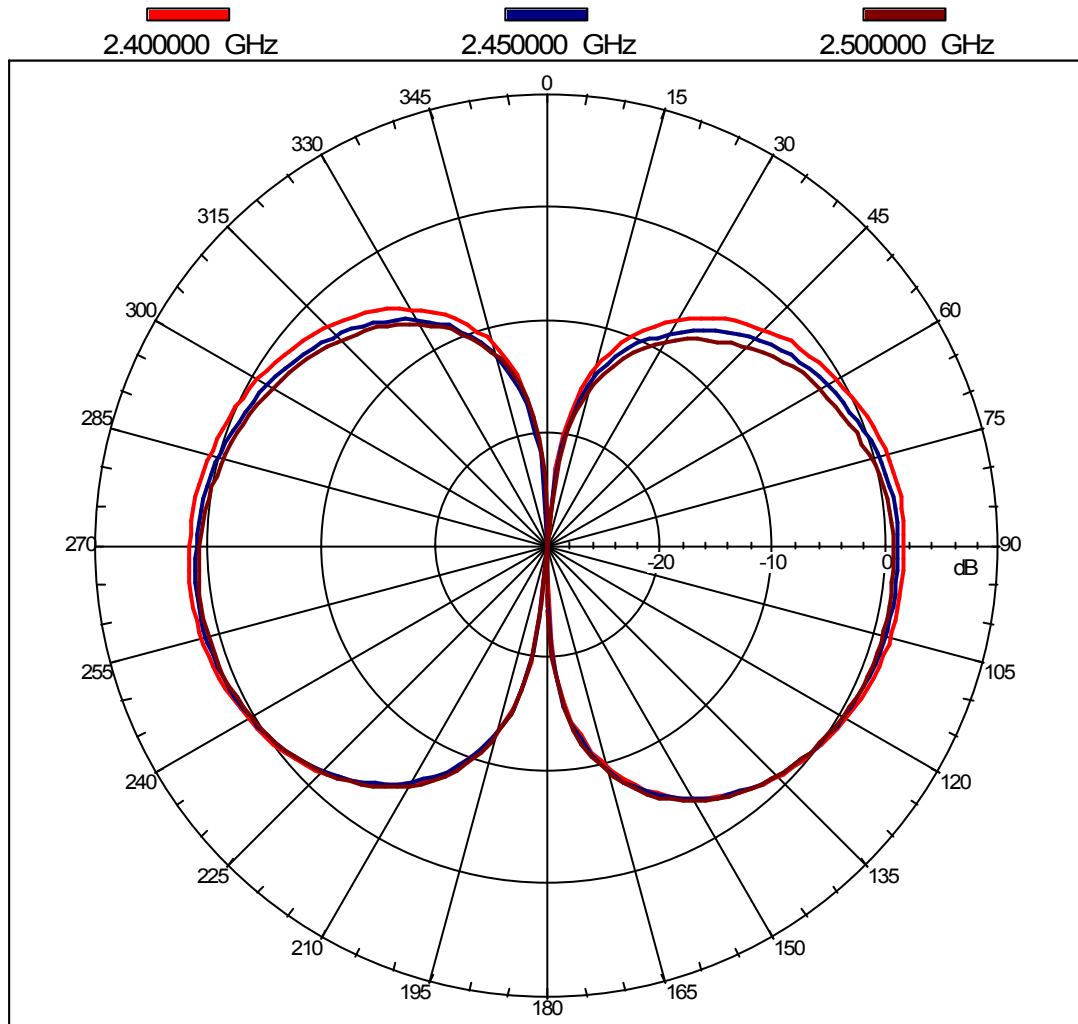




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Far-field amplitude of Ant03 H.nsi

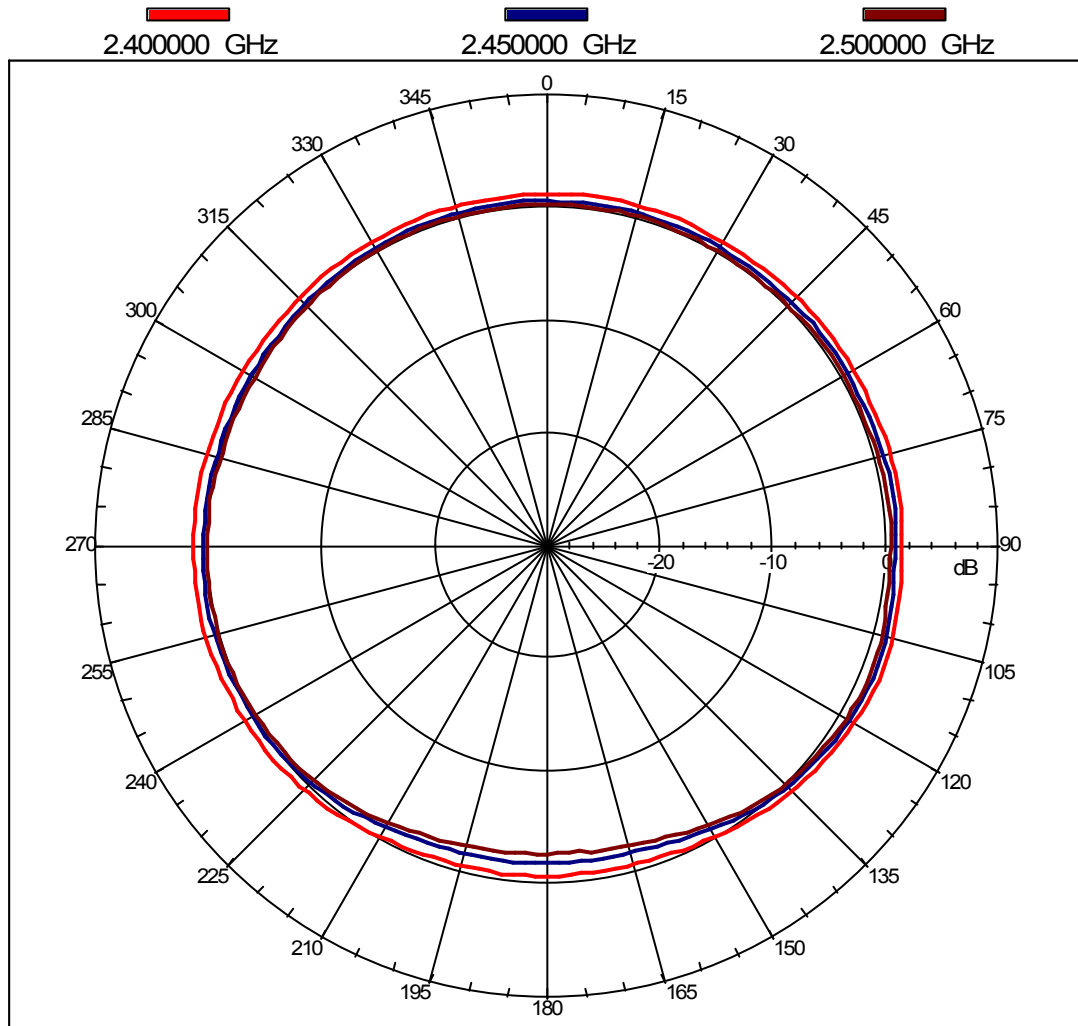




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Far-field amplitude of Ant03 V.nsi



Gain	Ant01		Ant02		Ant03	
	E-phane	H-phane	E-phane	H-phane	E-phane	H-phane
2.4GHz	1.7526	1.7256	1.751	1.7521	1.7874	1.7526
2.45GHz	1.6235	1.4292	1.7230	1.3952	1.3375	1.4256
2.5GHz	1.3256	1.3243	1.6024	1.4539	1.6487	1.3541