



S169 Antenna Test Report

Date: 2025.08.15

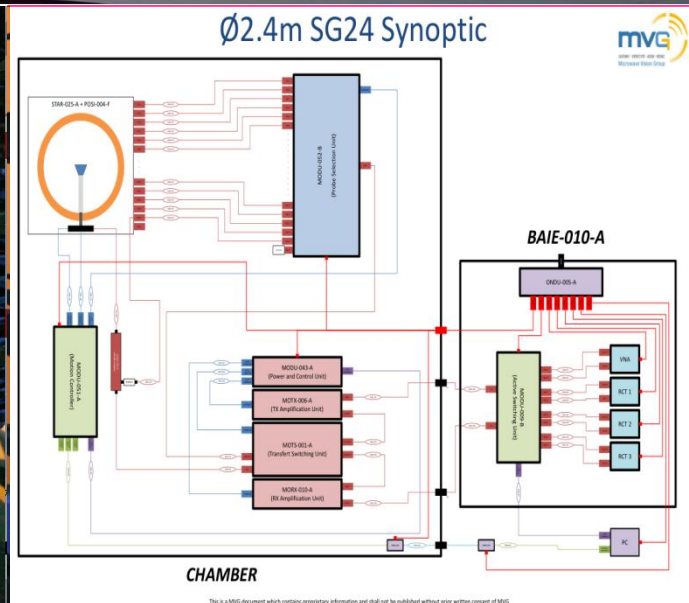
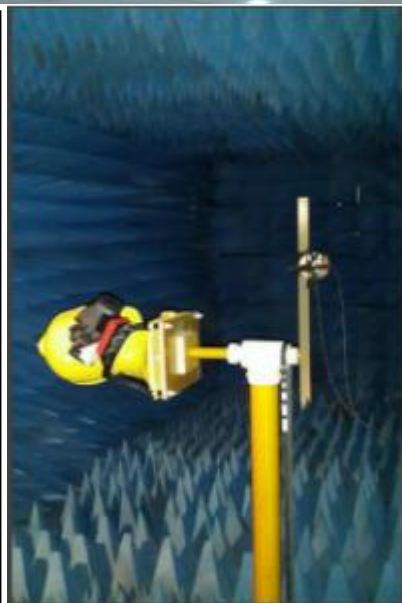
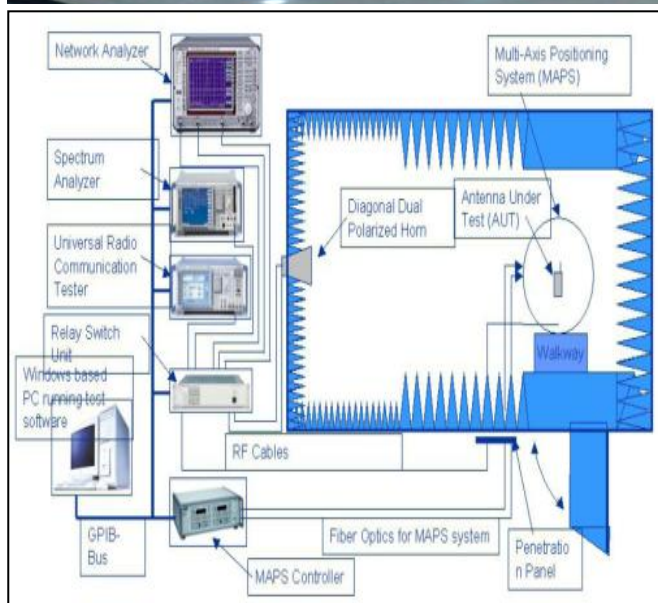


Project Overview



Main antenna design spectrum	5G global network
Type of antenna	PIFA
Deputy antenna design spectrum	WIFI/GPS/BT
Type of antenna	PIFA
Frequency diversity antenna	5G global network
Type of antenna	PIFA

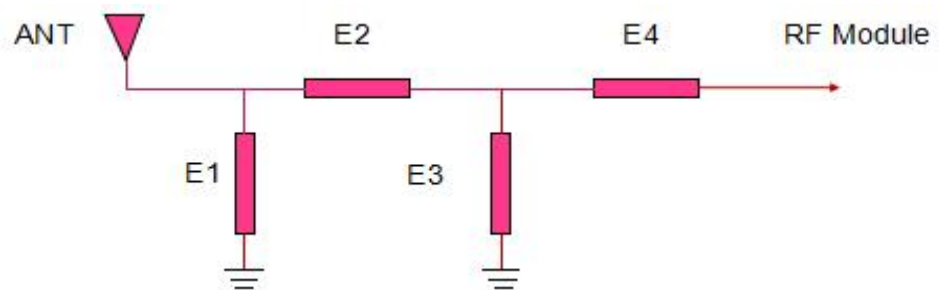
Report version	Date	Content
V5.0	2025.08.15	Antenna test report



3座远场3D全电波微波暗室实验室系统，1座MVG SG24LT (Satmio) 近场3D微波暗室实验室系统（与国家相关实验室同步）

Matching Circuit

main antenna design



Element

Value

E1(0201): 0.5pF

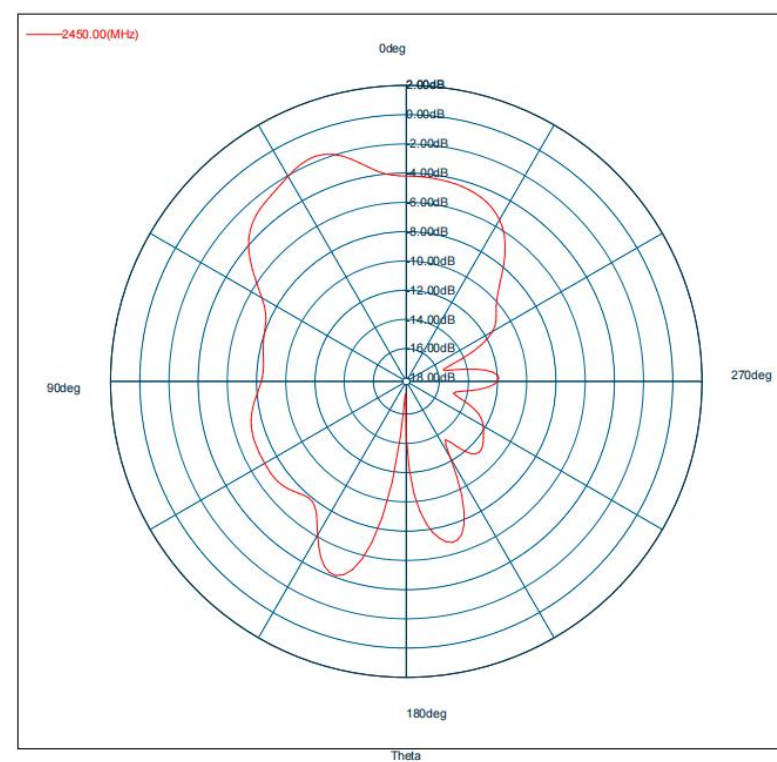
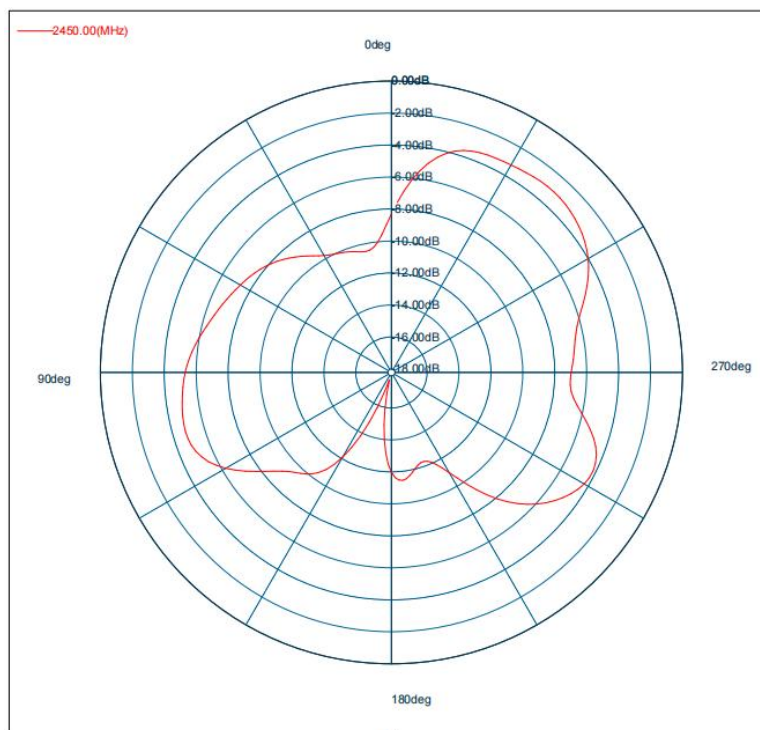
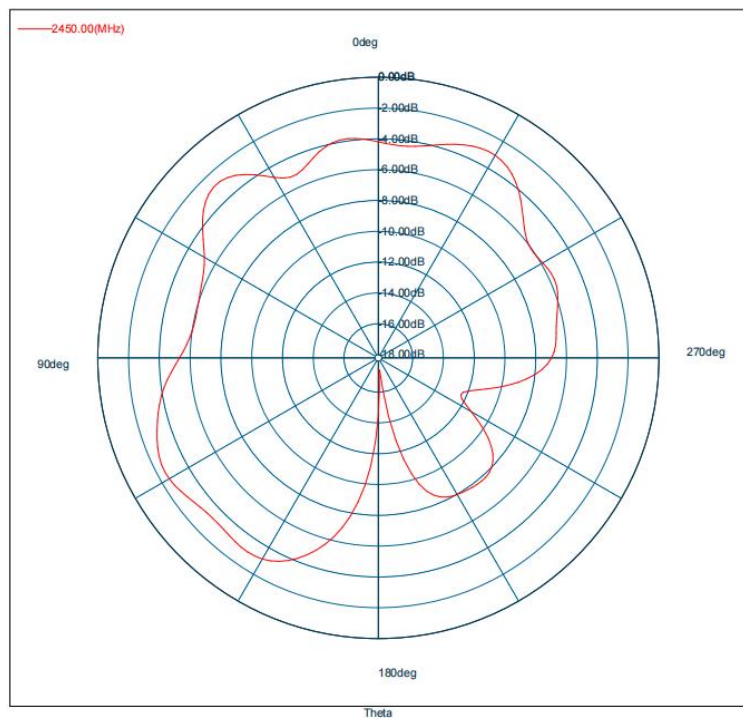
E2(0201): 4.3nh

E3(0201): 9.1nh

E4(0201): N/A

2.4G Passive pattern

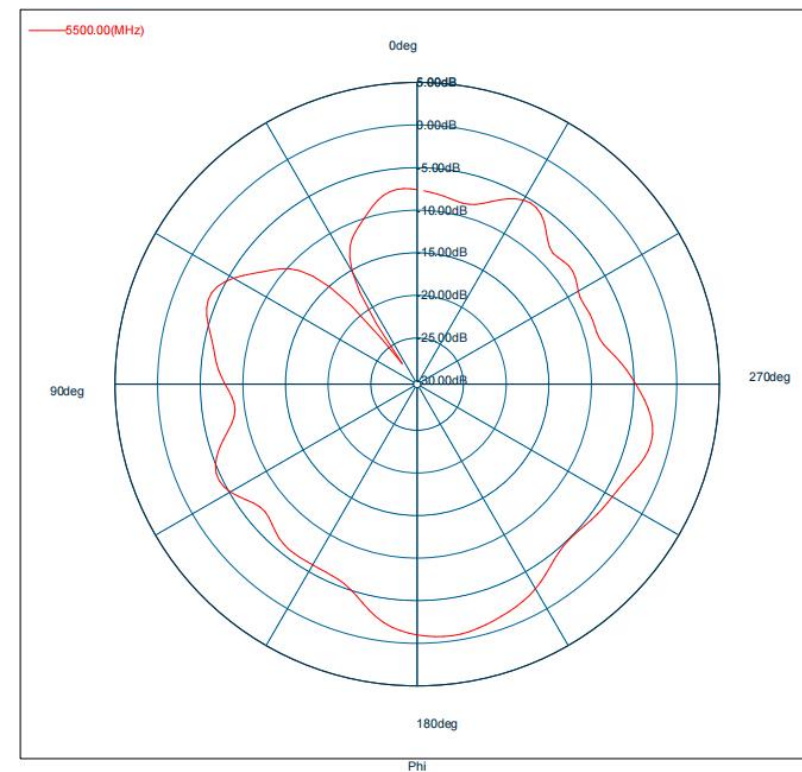
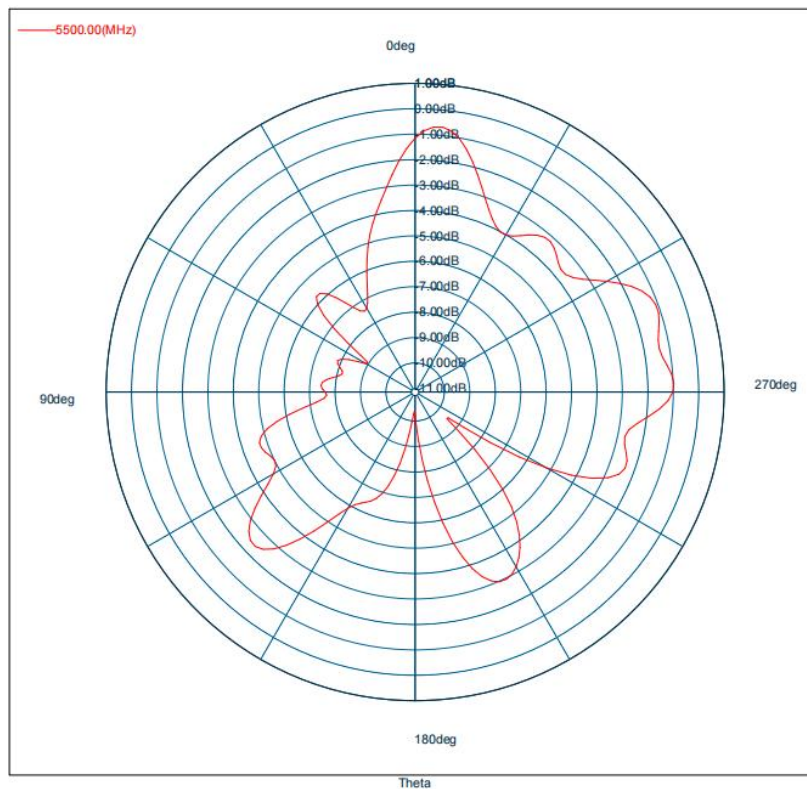
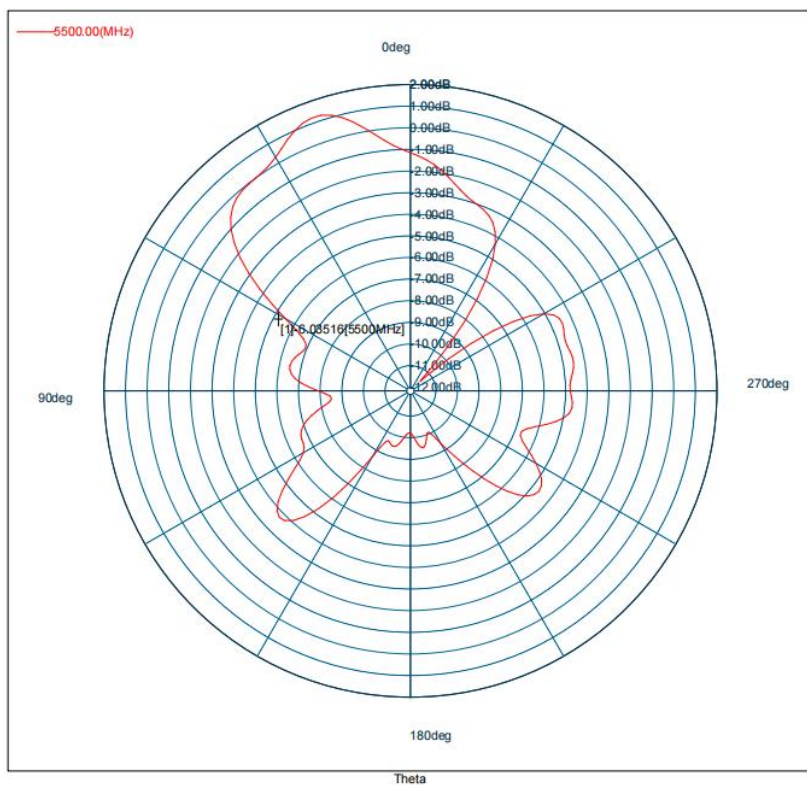
Gain: -1.2 dbi



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

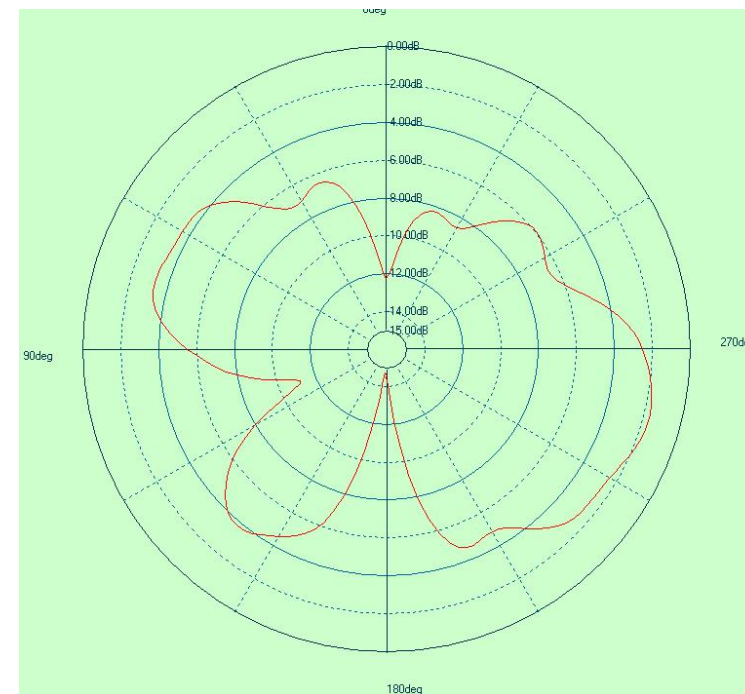
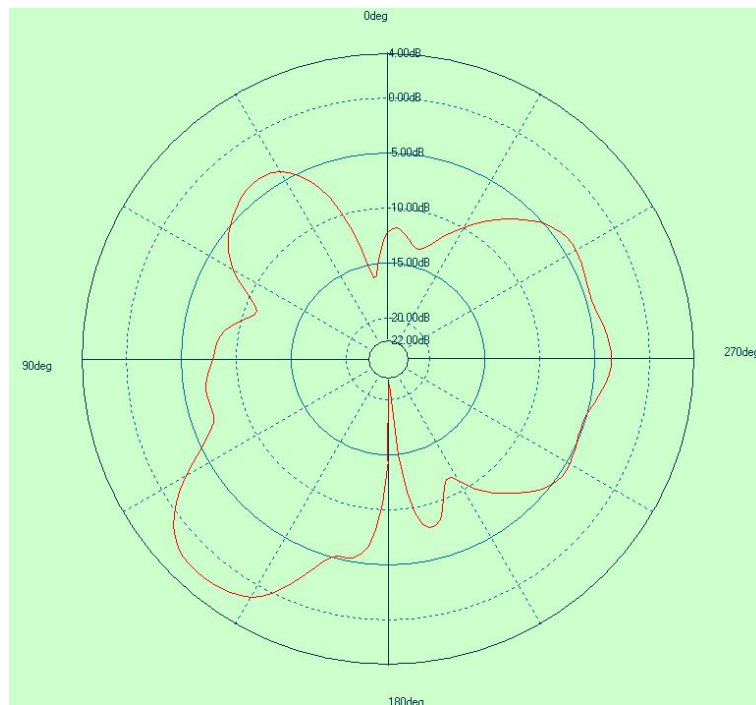
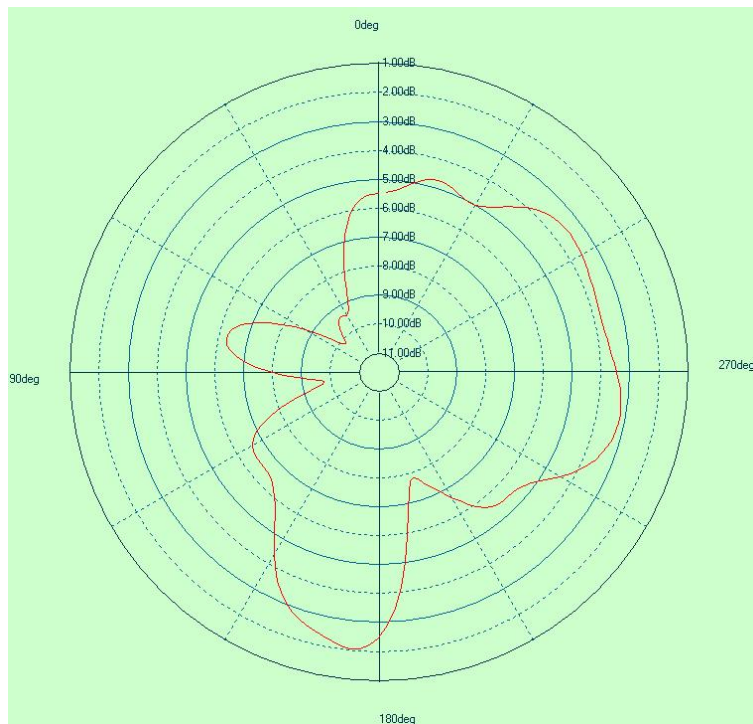
5.5G Passive pattern

Gain: 0.6 dBi



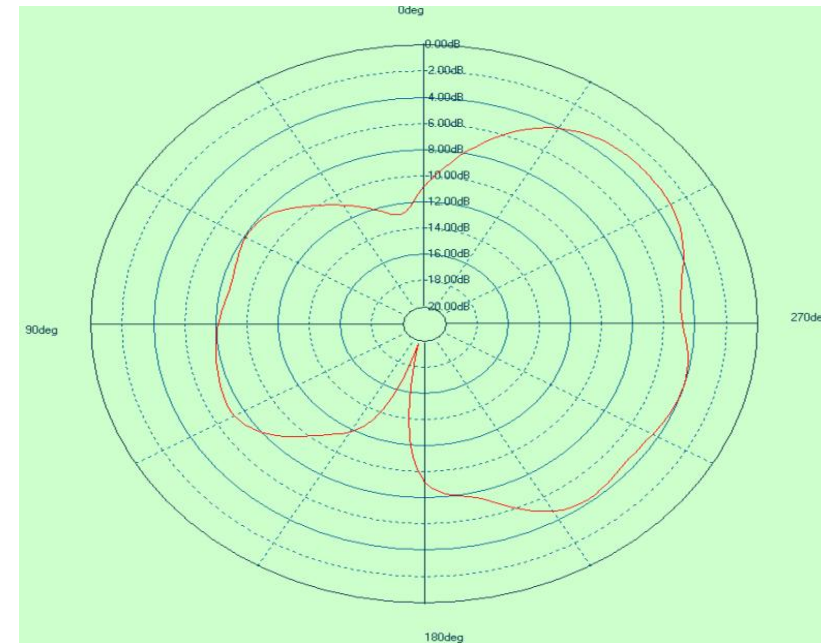
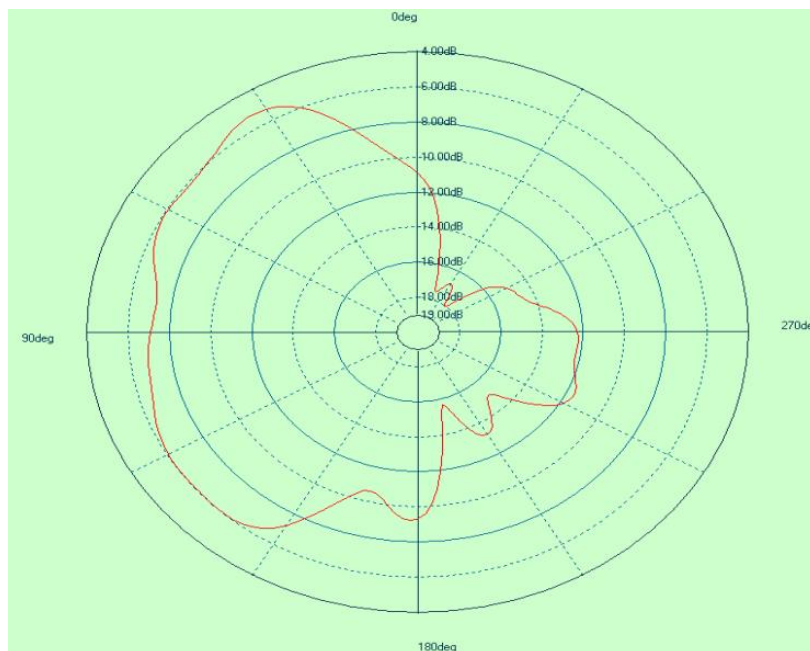
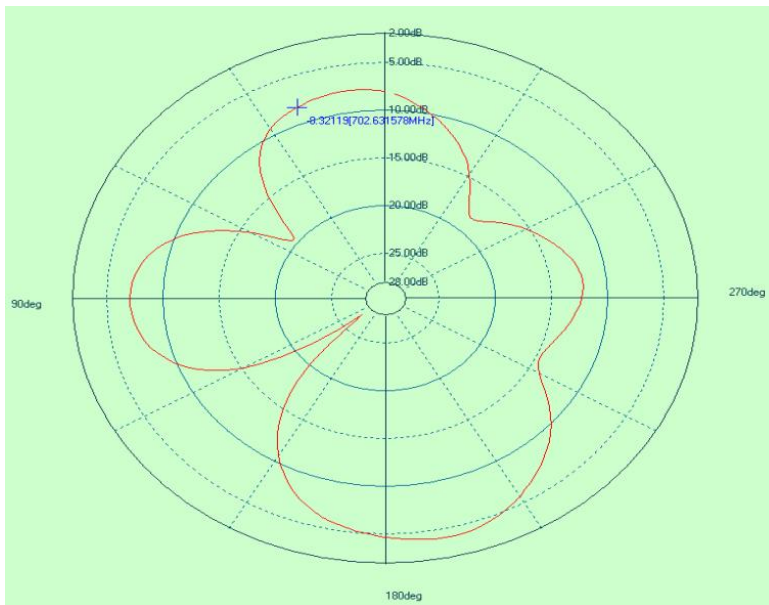
Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

1575Mhz Passive pattern Gain: 1.8 dbi



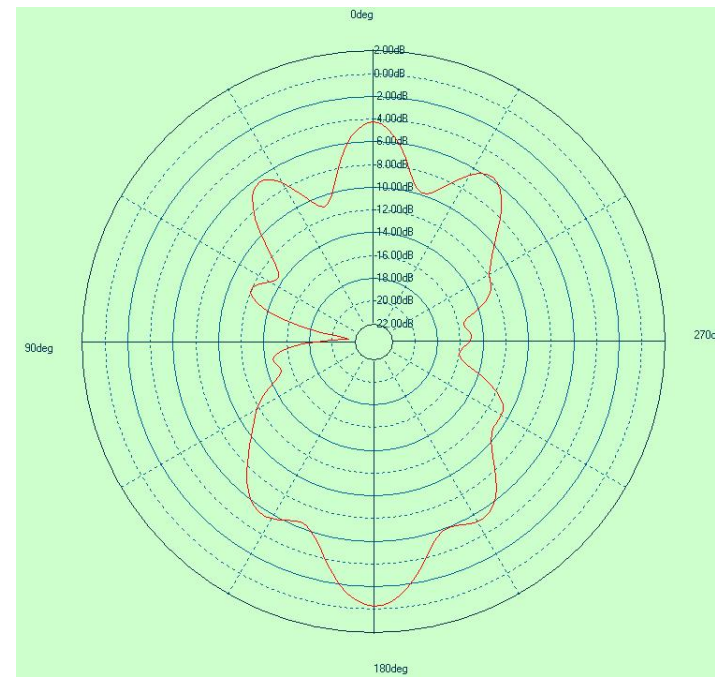
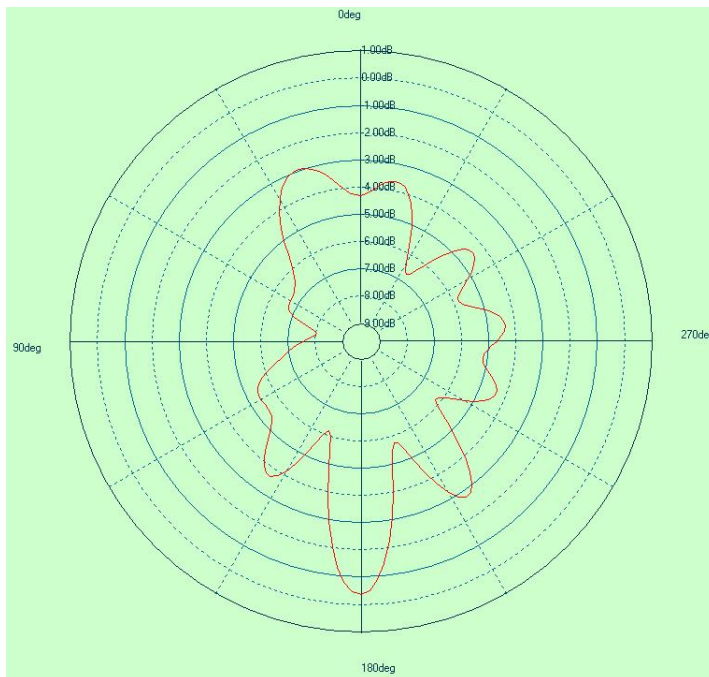
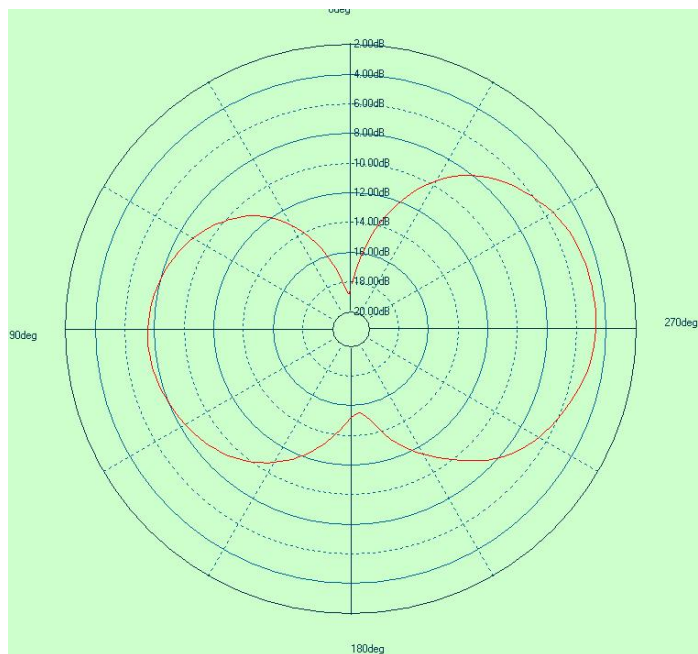
Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

702Mhz Passive pattern Gain: -1.8 dbi



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

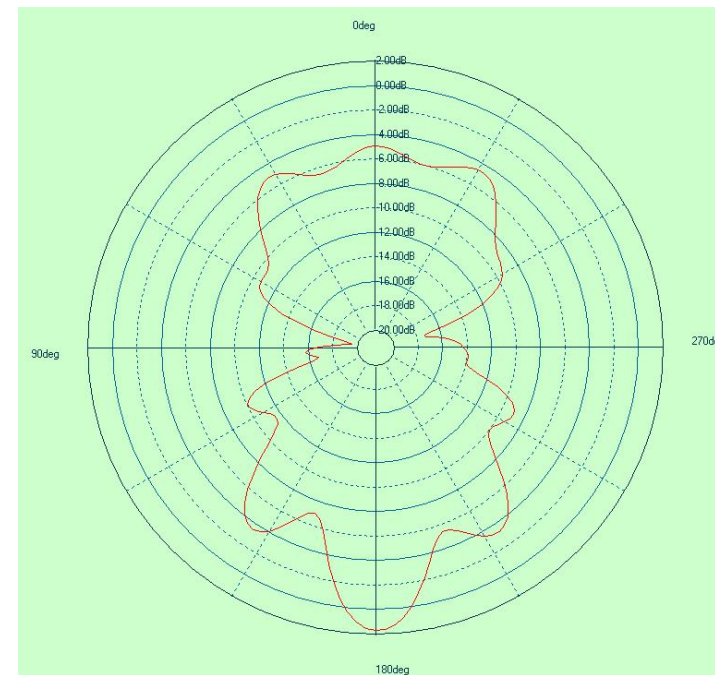
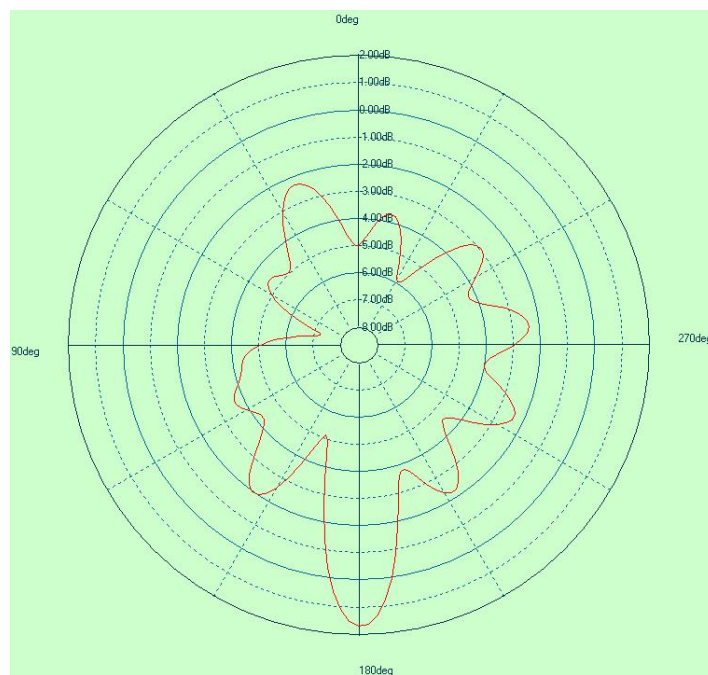
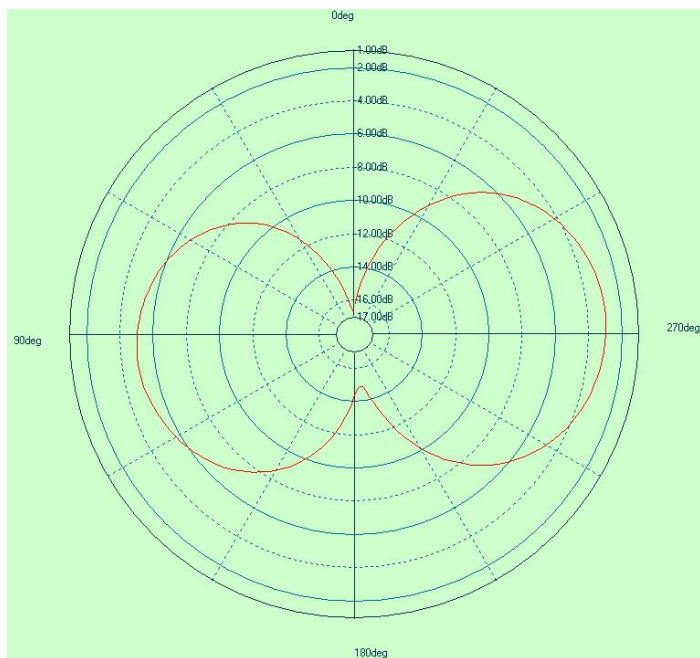
800Mhz Passive pattern Gain: -1.3 dbi



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

850Mhz Passive pattern

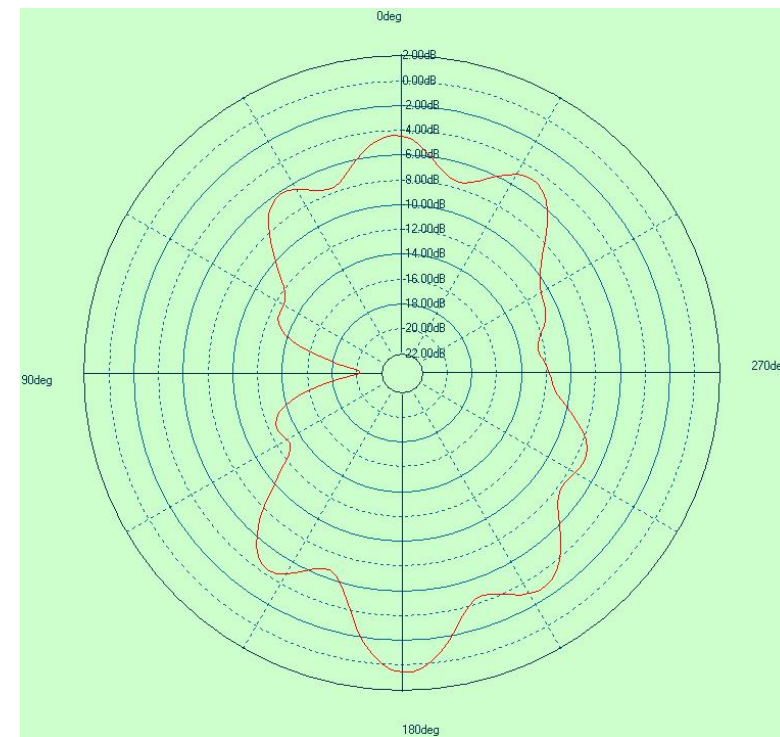
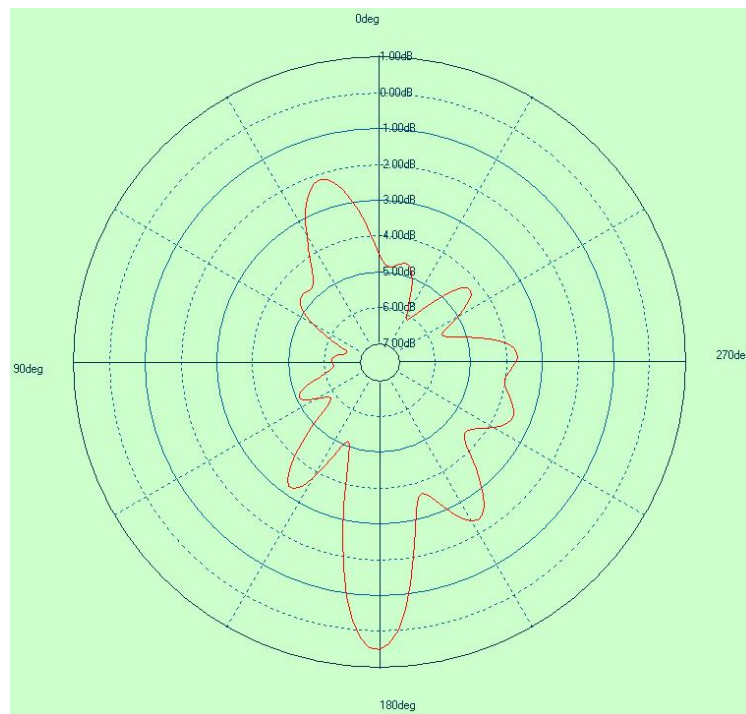
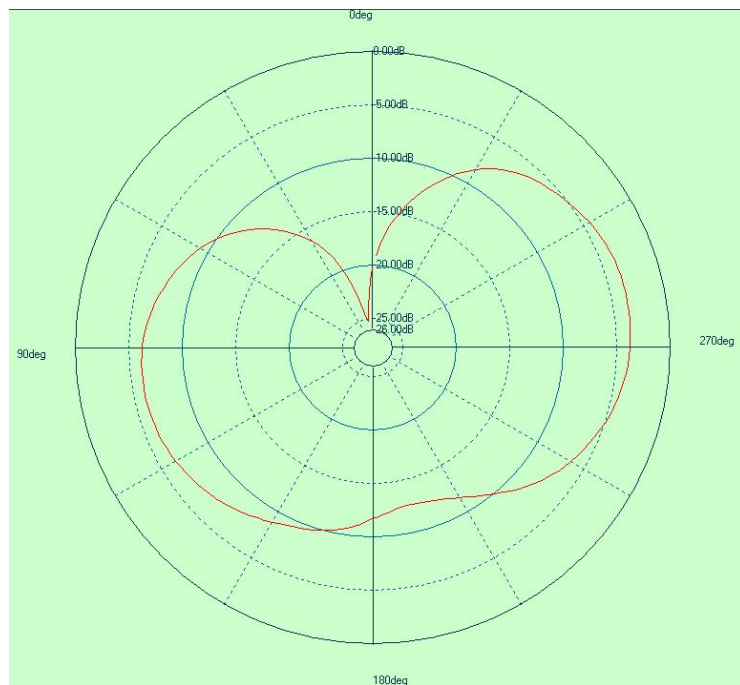
Gain: -0.2 dbi



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

880Mhz Passive pattern

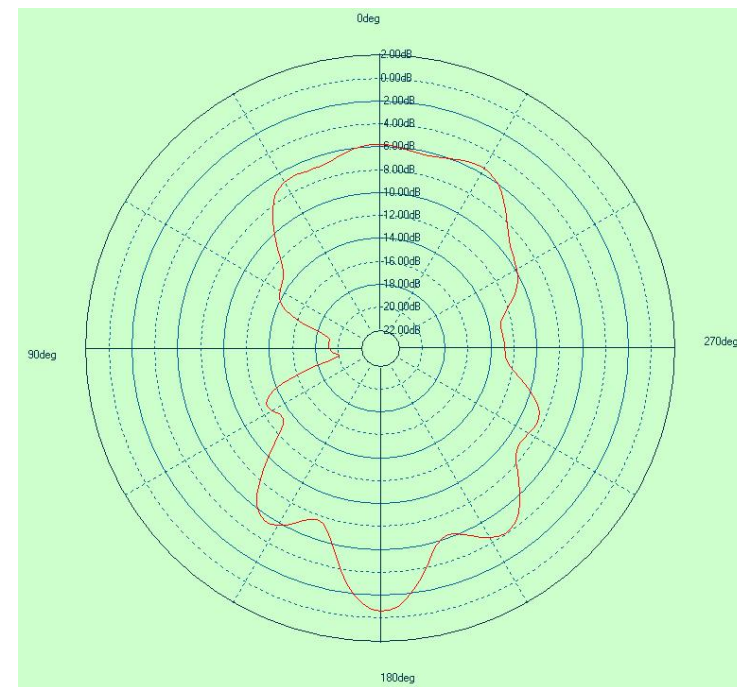
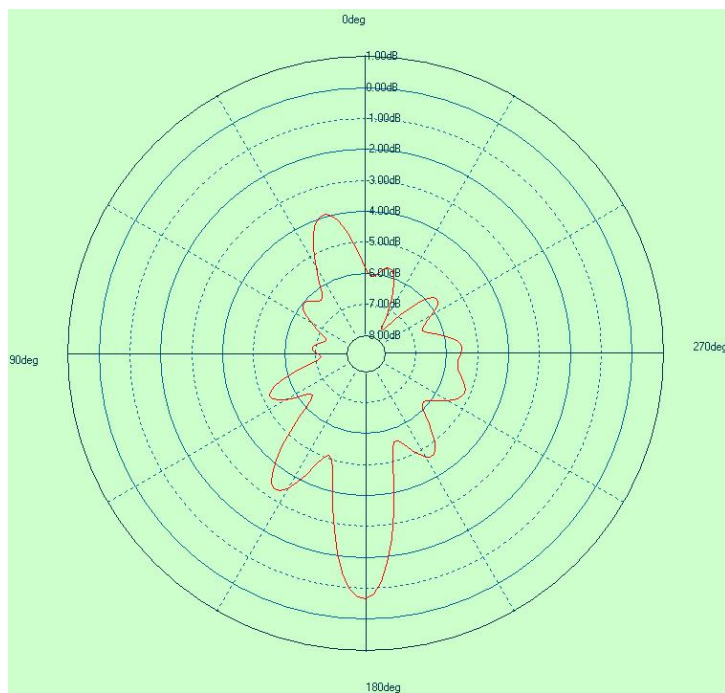
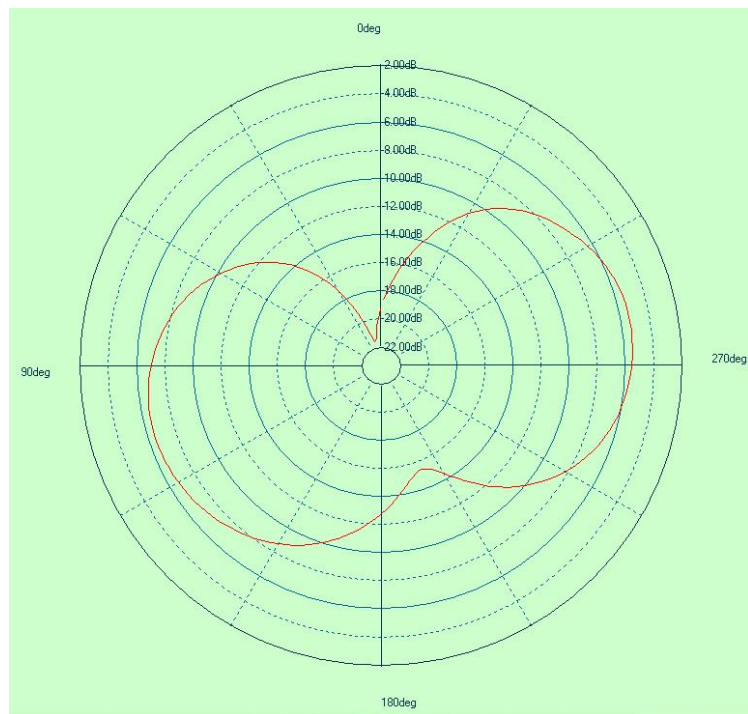
Gain: 0.2 dbi



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

960Mhz Passive pattern

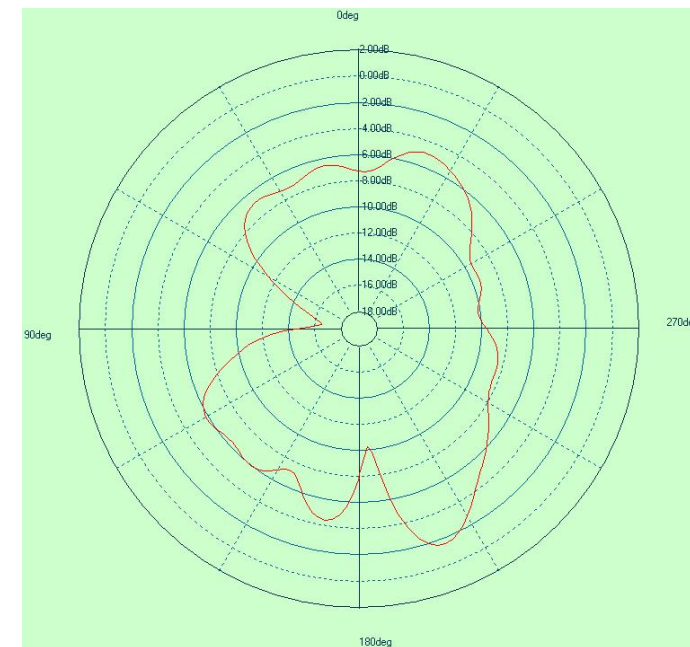
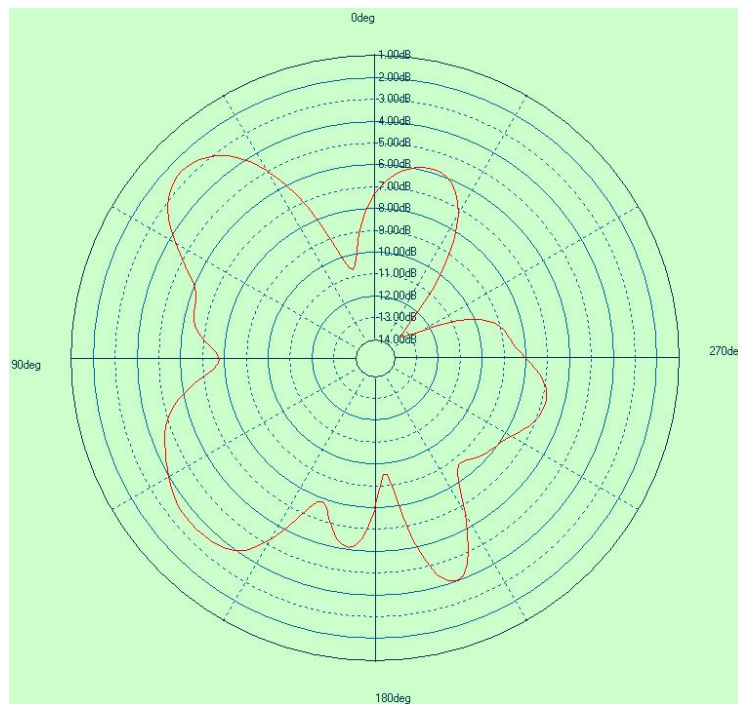
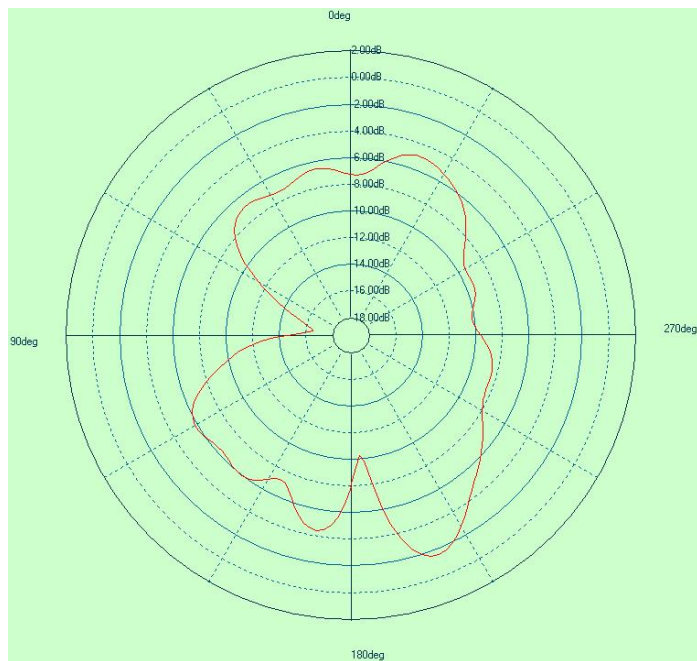
Gain: 0.6 dbi



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

1800Mhz Passive pattern

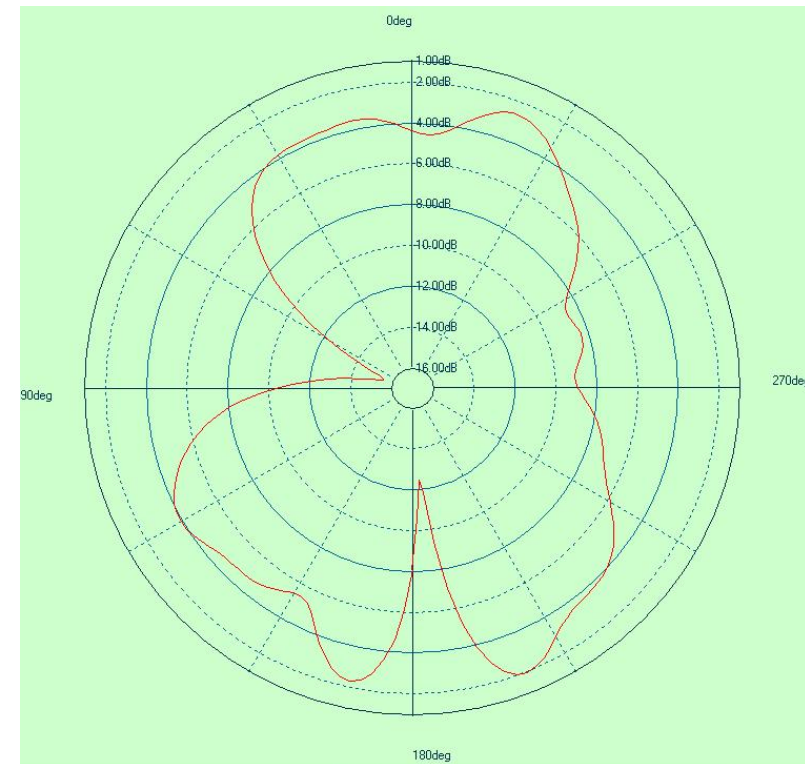
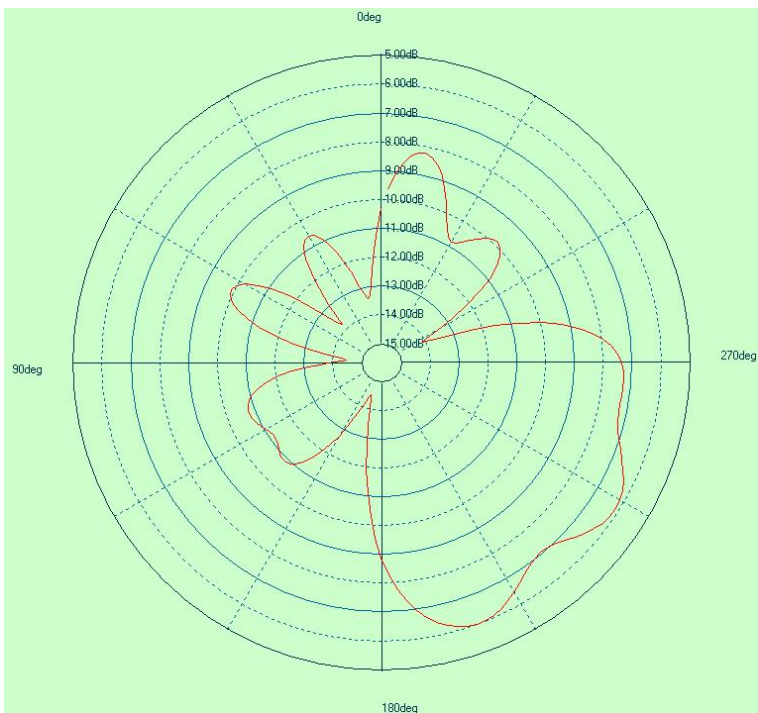
Gain: -0.8 dbi



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

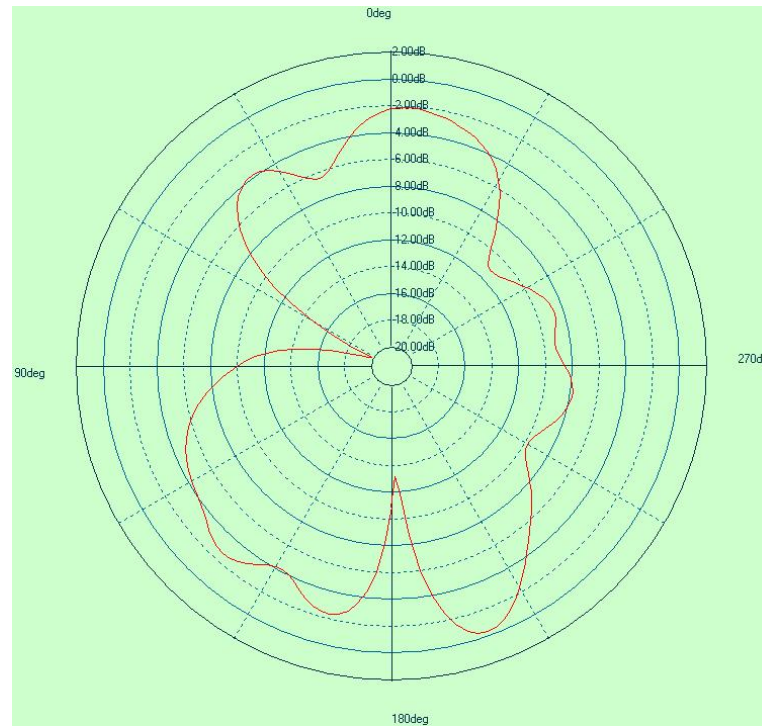
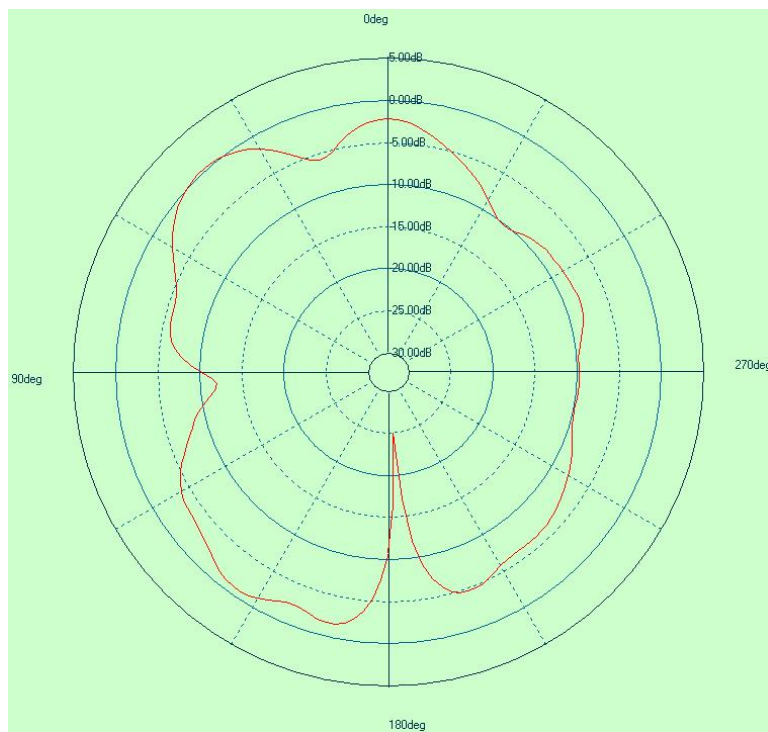
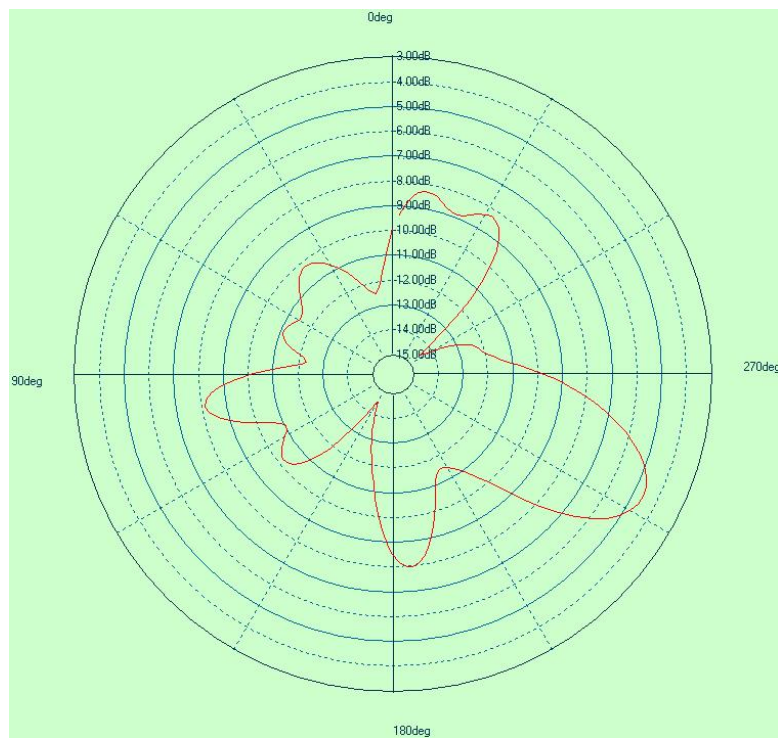
1900Mhz Passive pattern

Gain: -0.7 dbi



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

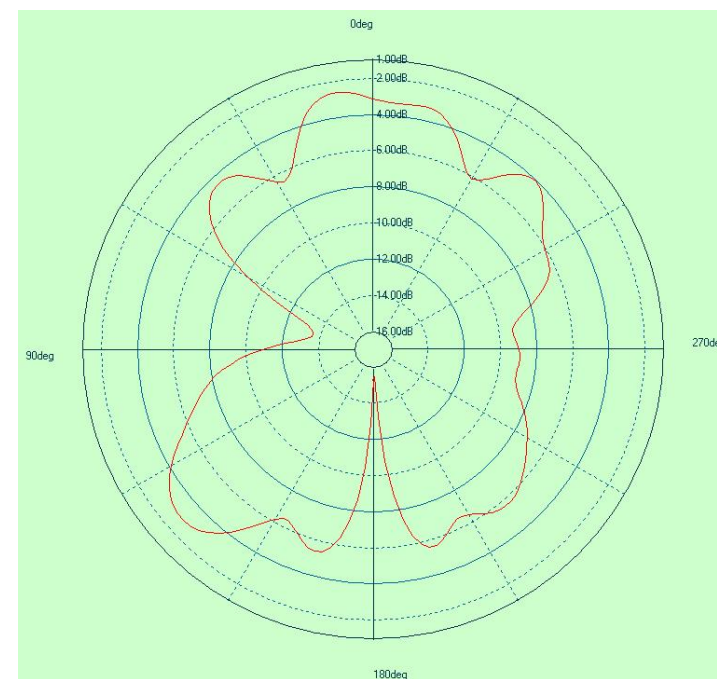
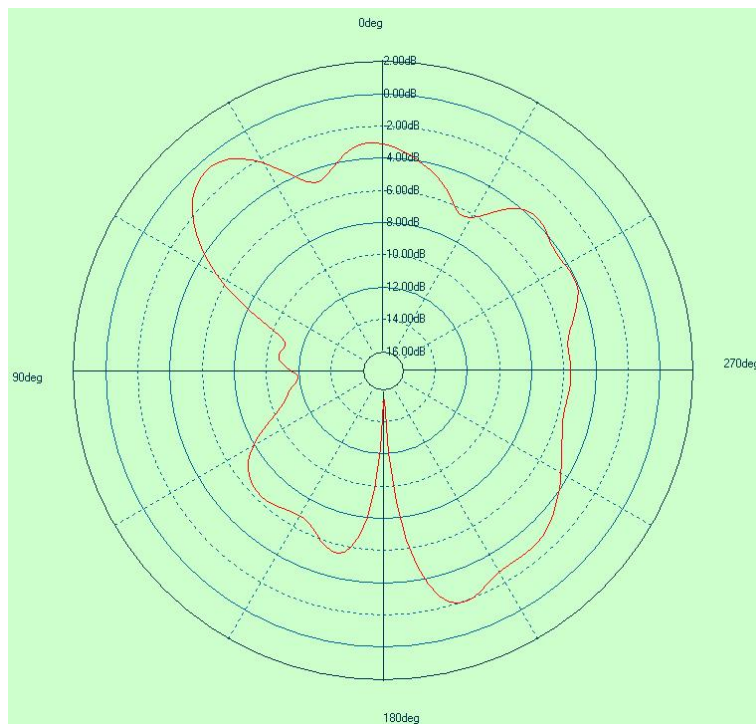
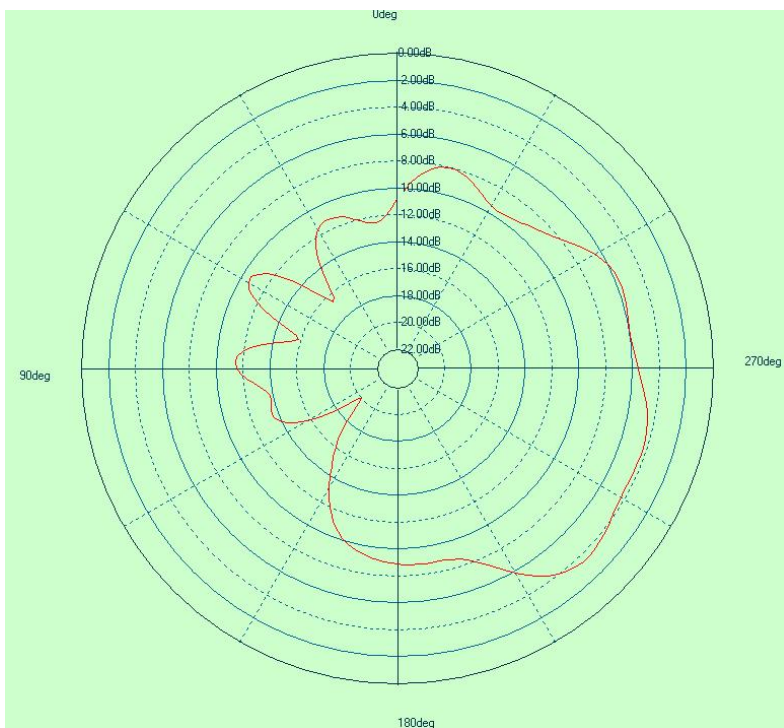
2100Mhz Passive pattern Gain: 0.7 dbi



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

2300Mhz Passive pattern

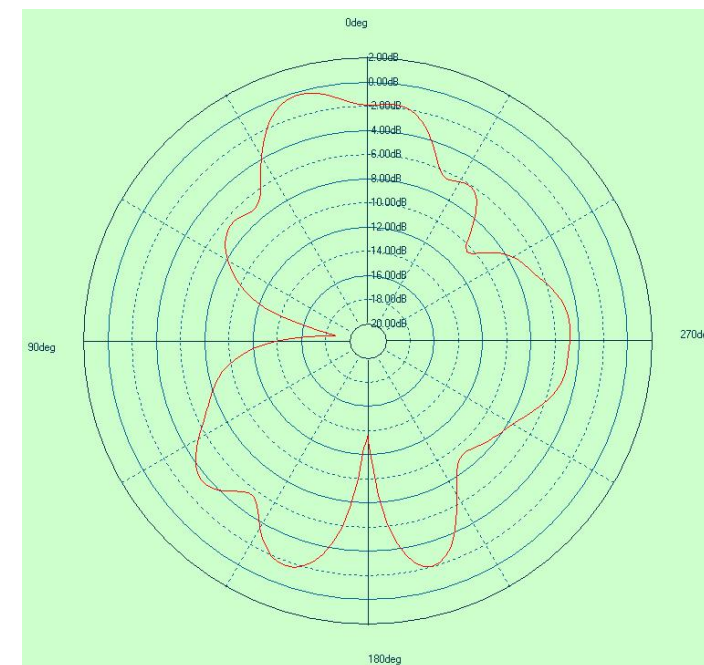
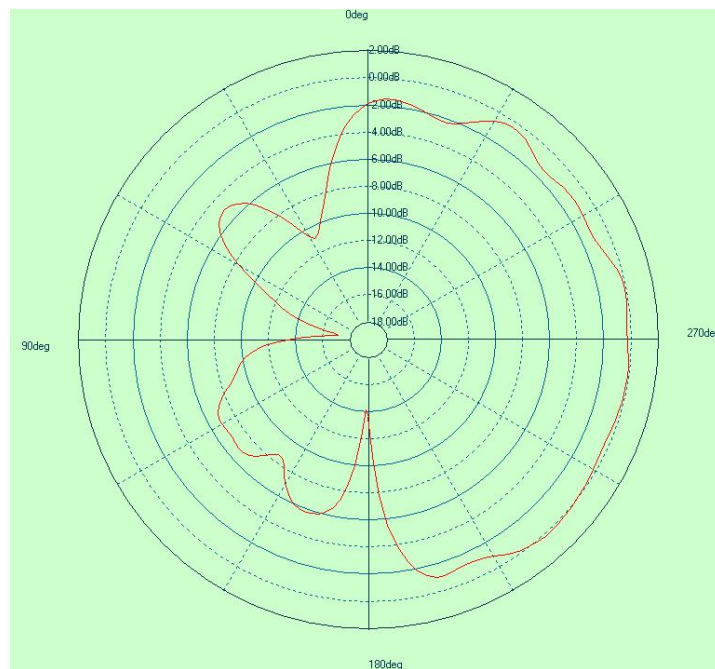
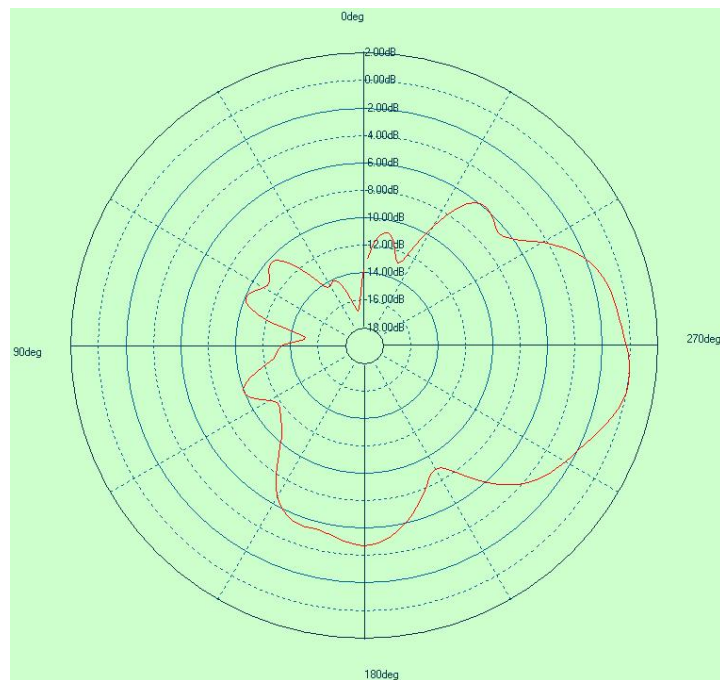
Gain: 0.4 dbi



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

2650Mhz Passive pattern

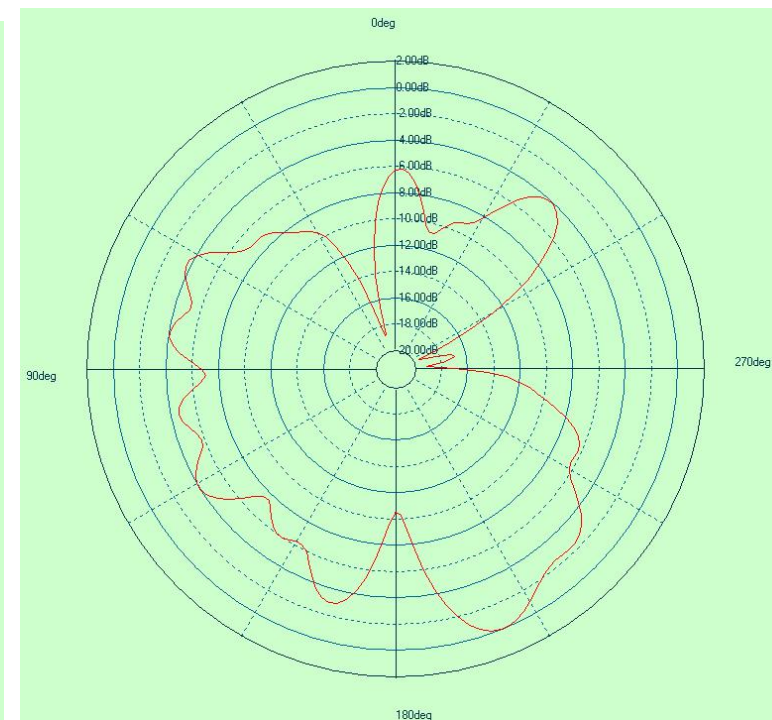
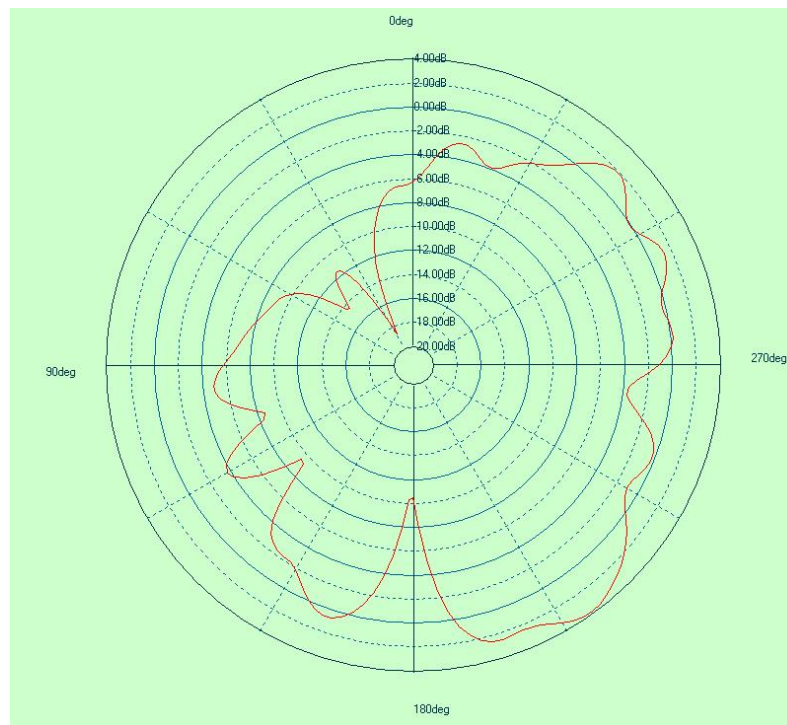
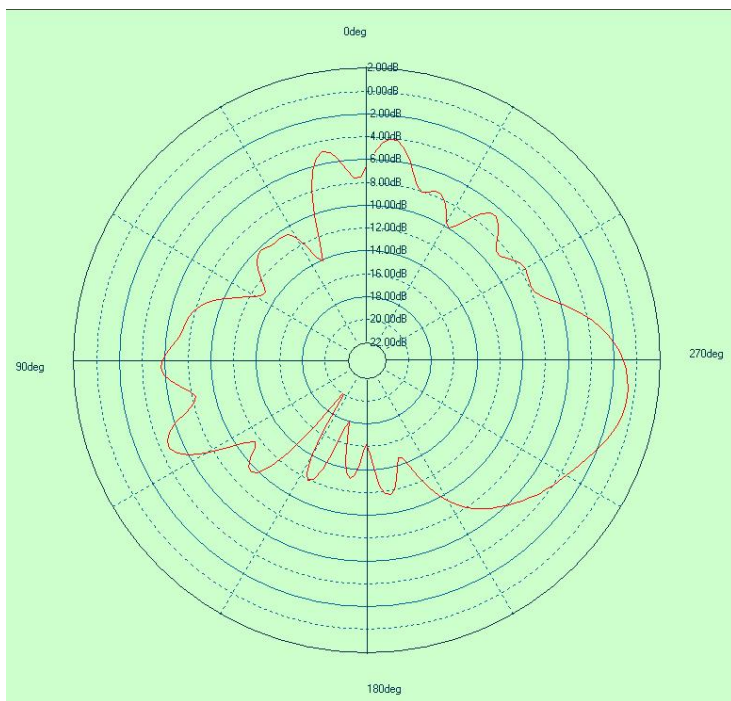
Gain: 1 dbi



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

3300Mhz Passive pattern

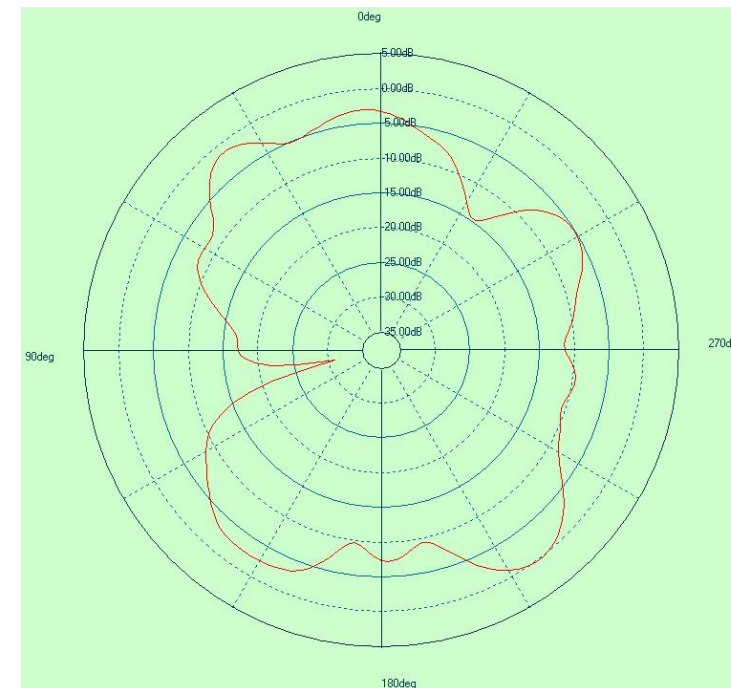
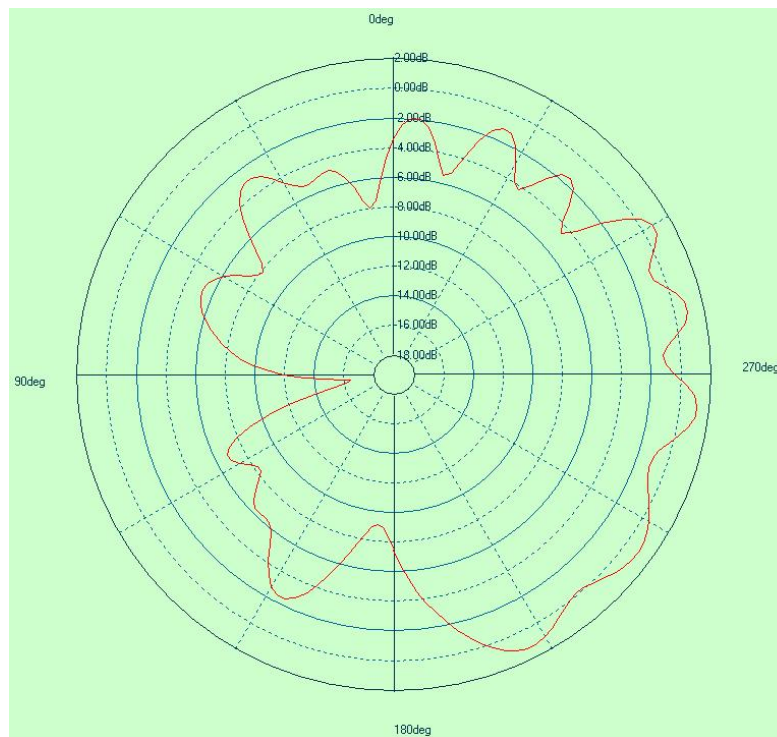
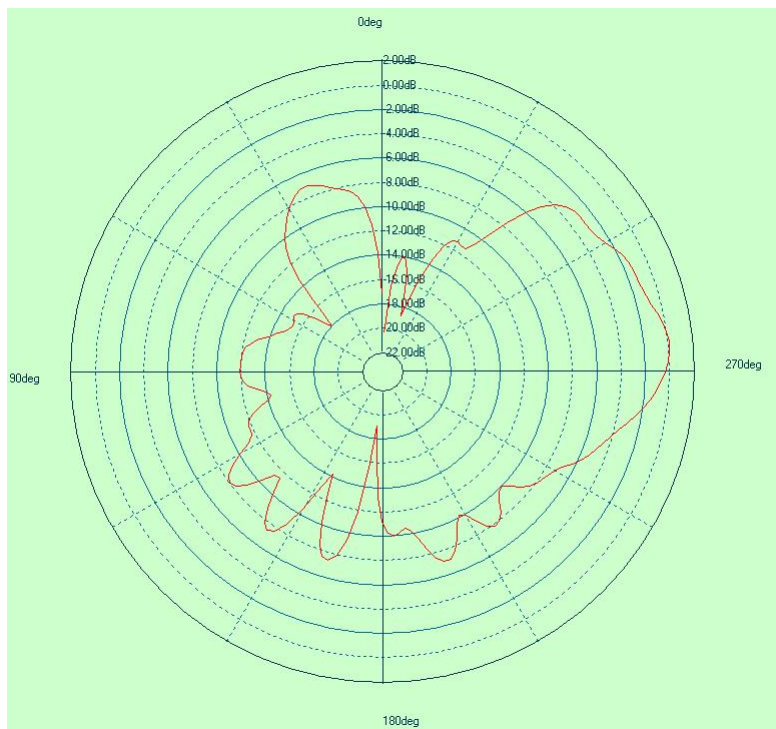
Gain: 0.2 dbi



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

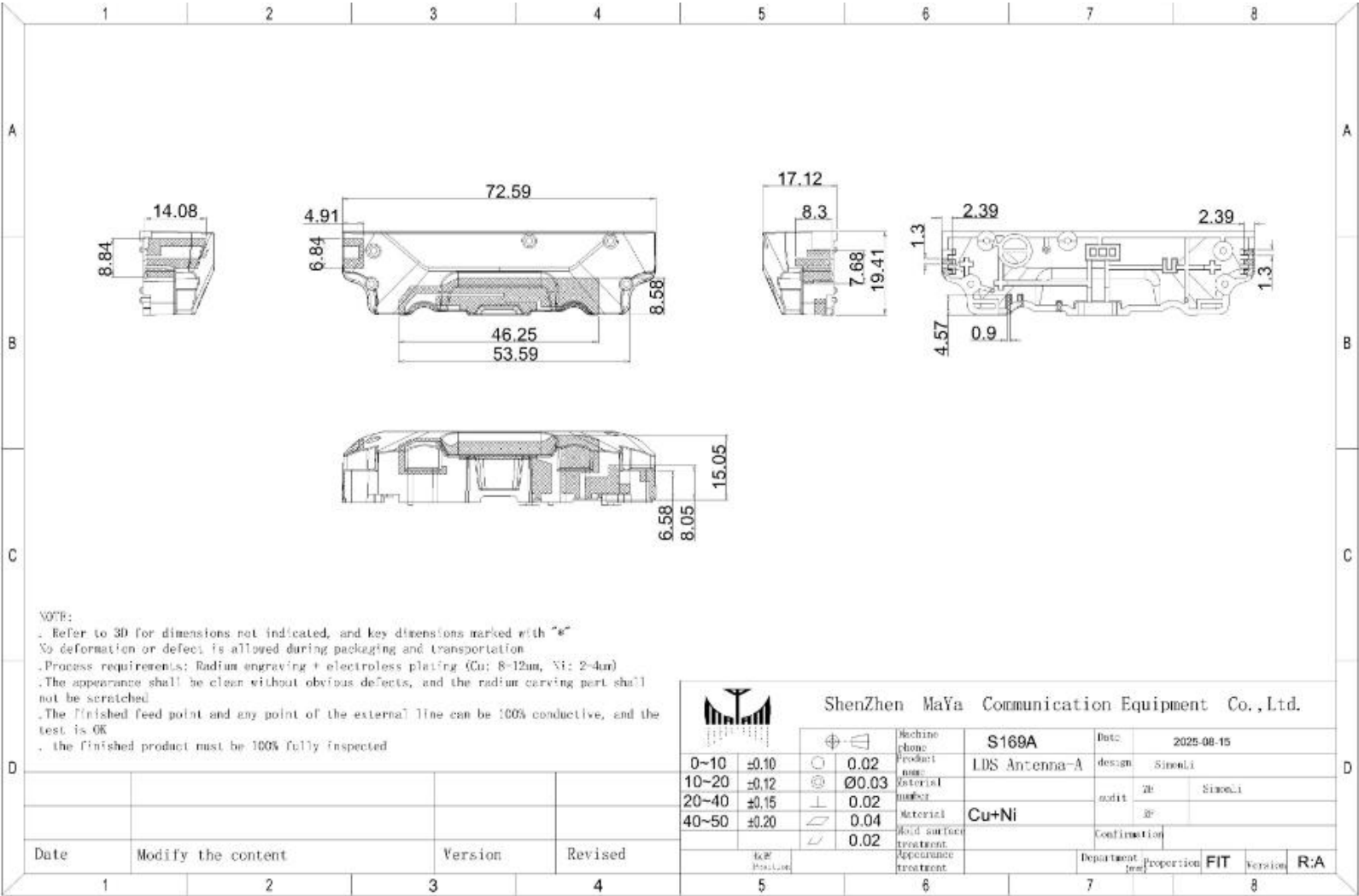
4800Mhz Passive pattern

Gain: 0.3 dbi

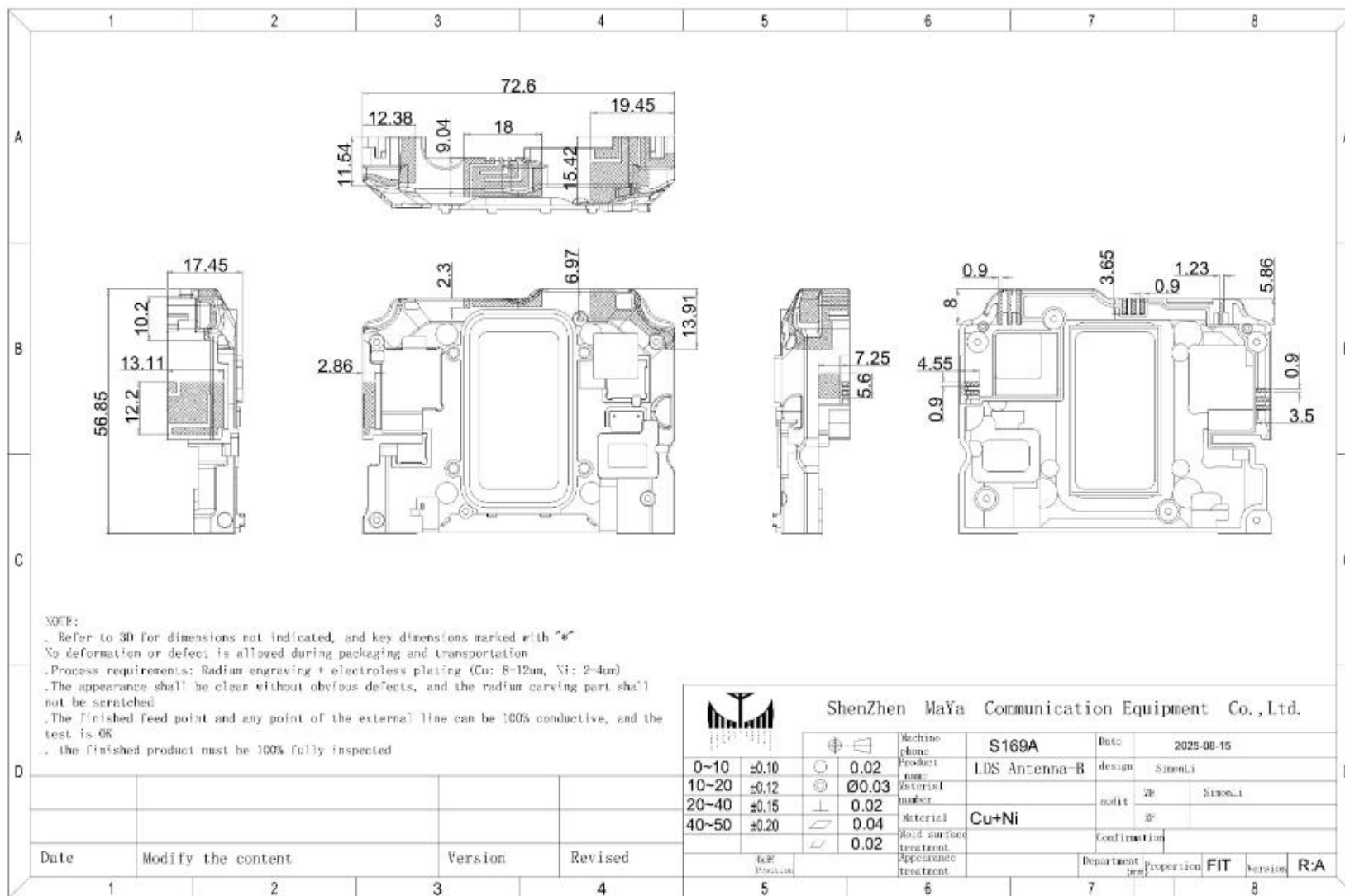


Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

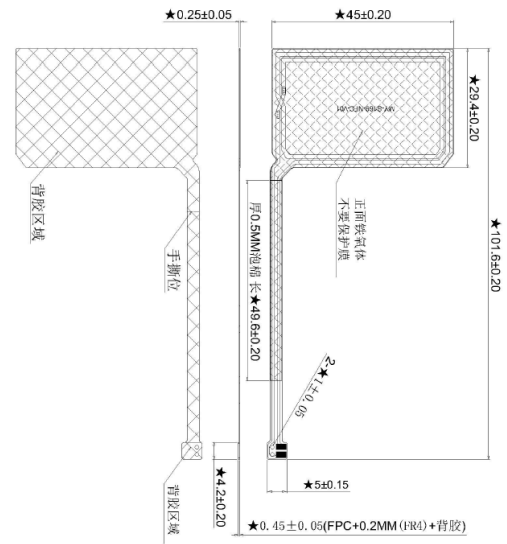
Passive Report



Passive Report



NFC



THANK YOU



If you have any questions, please contact us
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 website : www.mayaant.com

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