

Shenzhen Qisen Technology Co., Ltd.

SPECIFICATION FOR APPROVAL

COMPANY NAME

S h e n z h e n Q i s e n
T e c h n o l o g y C o . ,
L t d

PRODUCT P/N

QS23101301

PRODUCT NAME

Built in SMA male pin 5DB
dual band antenna

Confirmed by The Company

Address: 4th Floor, No. 22 Anye Road, Henggang Street,
Longgang District, Shenzhen

Telephone: 0755-84864089/15989305086

website: www.qskjgf.com

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1. Specification Table:

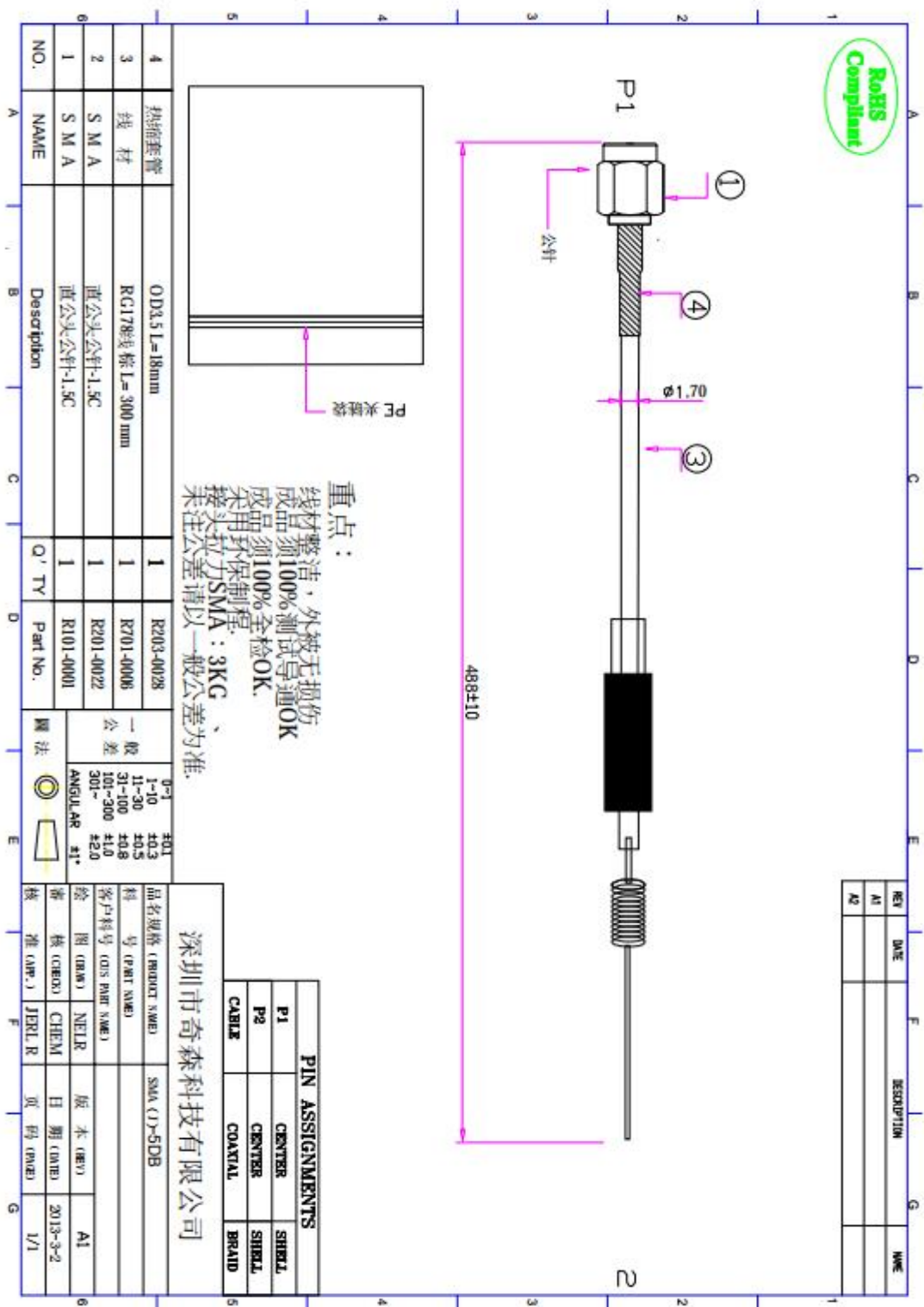
Main Specifications		Main technical specifications	
Frequency Range (MHZ)	2400–2500MHz	Frequency Range (MHZ)	5150–5850MHz
Characteristic impedance (Ω)	50 ± 10	Impedance (Ω)	50 ± 10
peak gain (dBi)	3.6	Peak Gain(dBi)	3.55
Output voltage stays Poppy	≤ 1.92	VSWR	≤ 1.92
Maximum power	10W	Admitted Power	10W
Polarization mode		Polarization	Linear, Vertical
Connection method	SMA	Connector Type	SMA
Physical properties		Physical Properties	
Antenna body material		Antenna Base	Naked copper
Operating temperature	$-20^{\circ}\text{C} \sim +65^{\circ}\text{C}$	Operating Temp	$-20^{\circ}\text{C} \sim +65^{\circ}\text{C}$
Save humidity	$-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$	Storage Temp	$-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Antenna length	488MM	Antenna length	488MM

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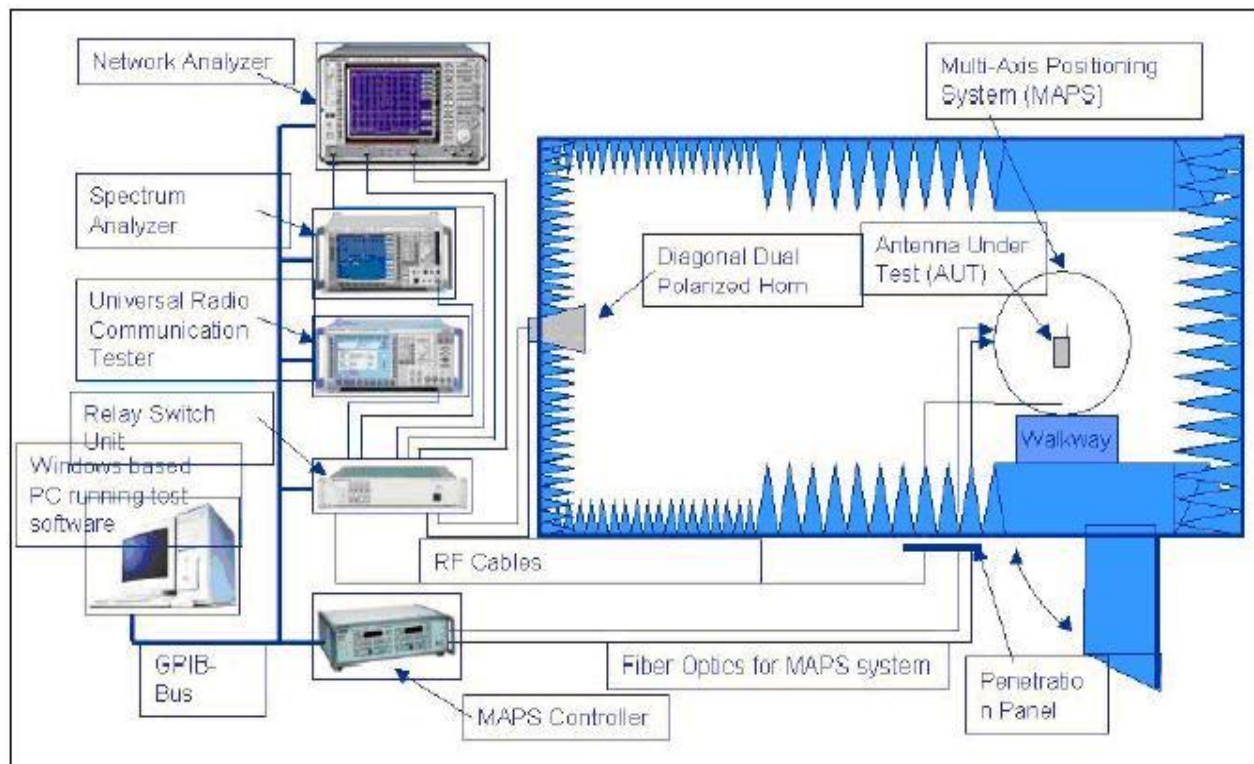
2. Product drawings



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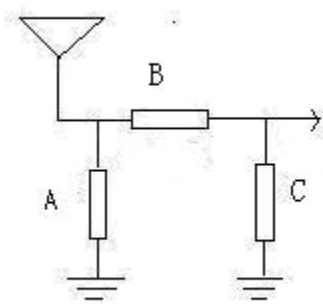
3. Testing report

3.1. Principle diagram of microwave anechoic chamber test



4. Matching circuit

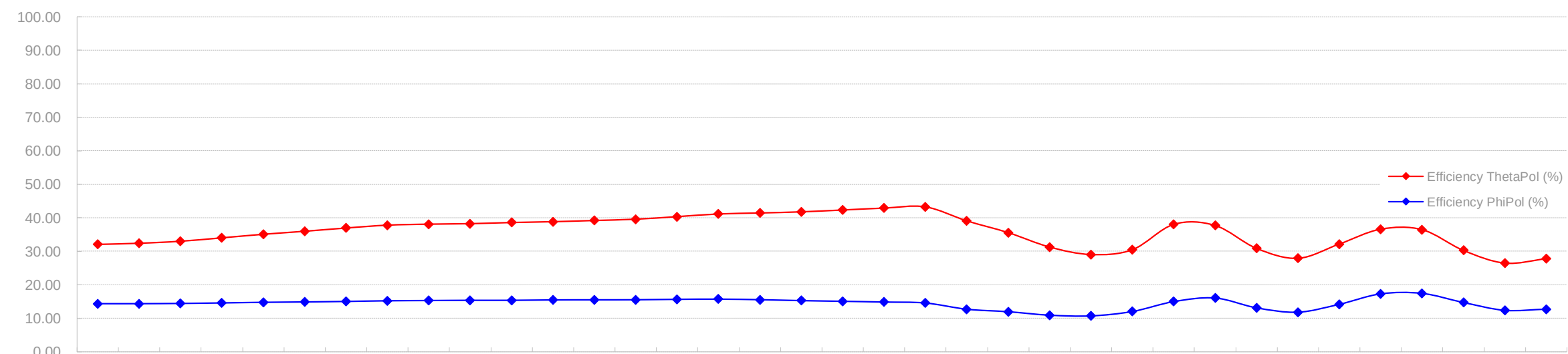
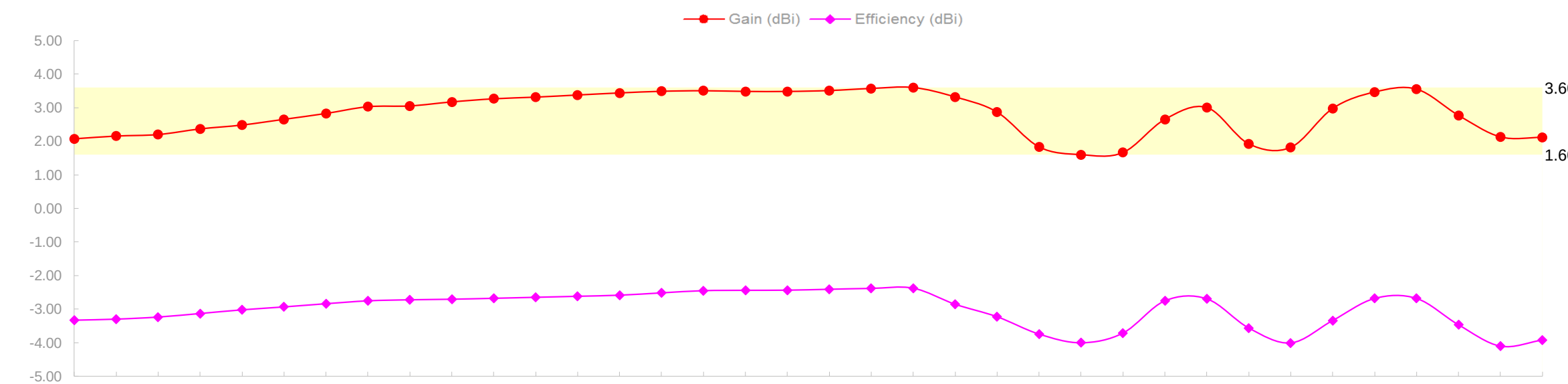
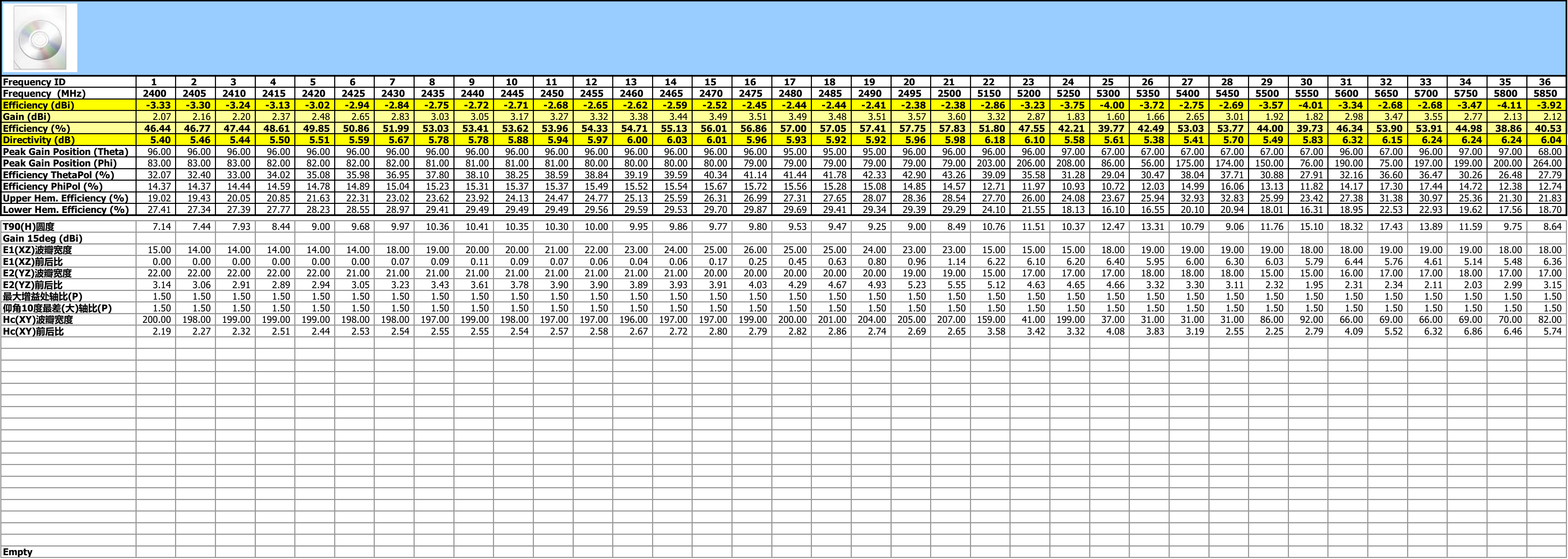
No matching circuit added.

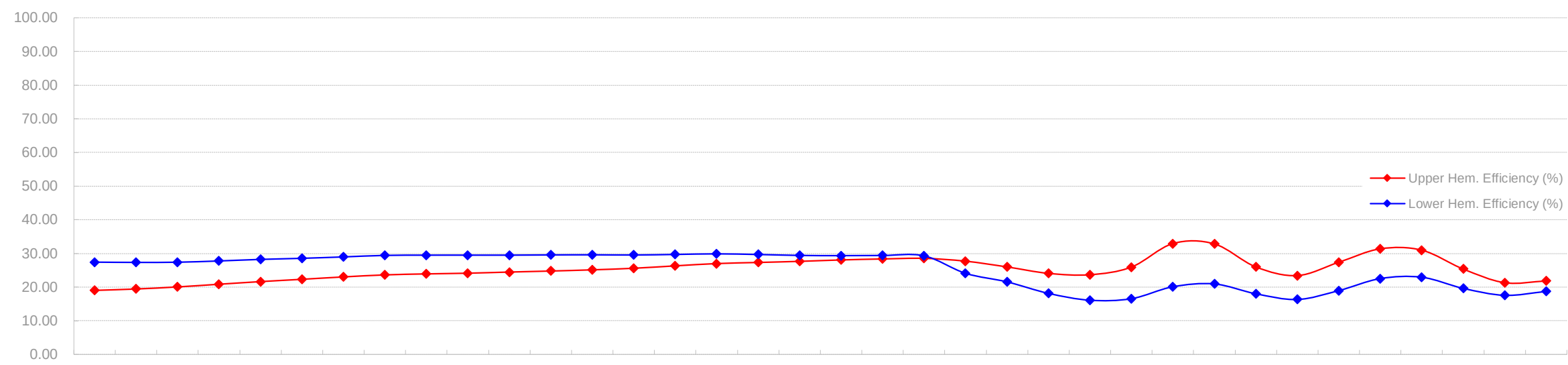


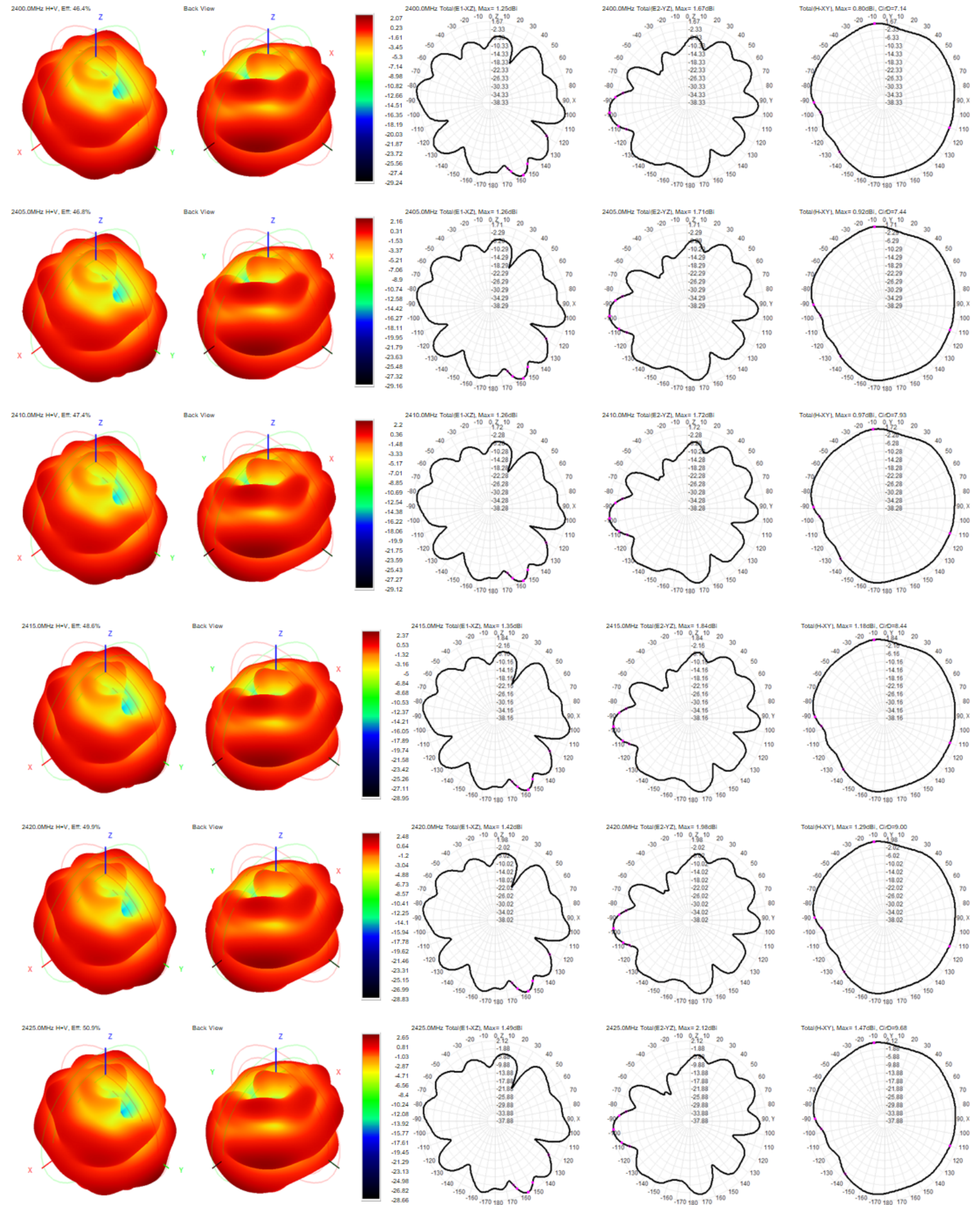
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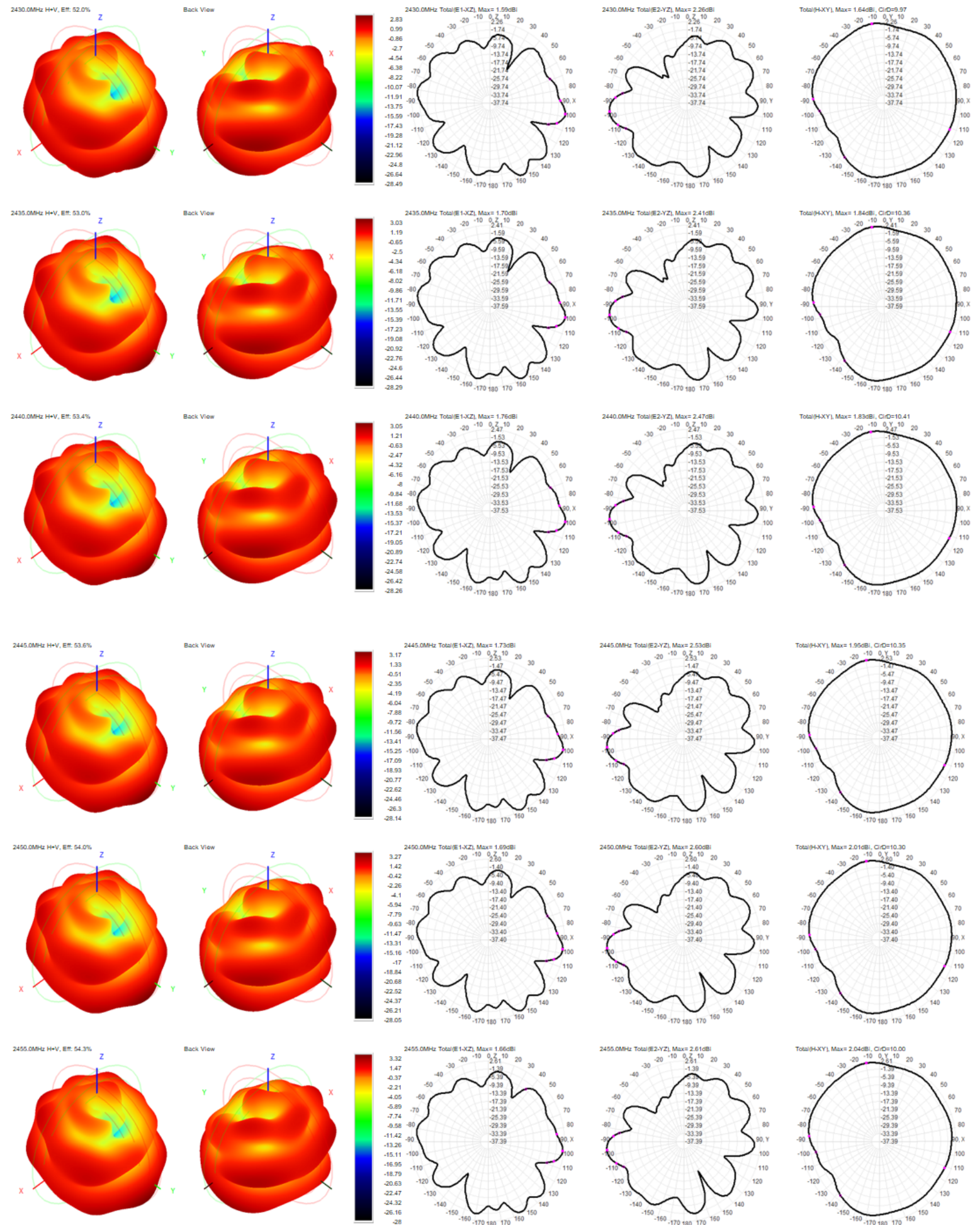
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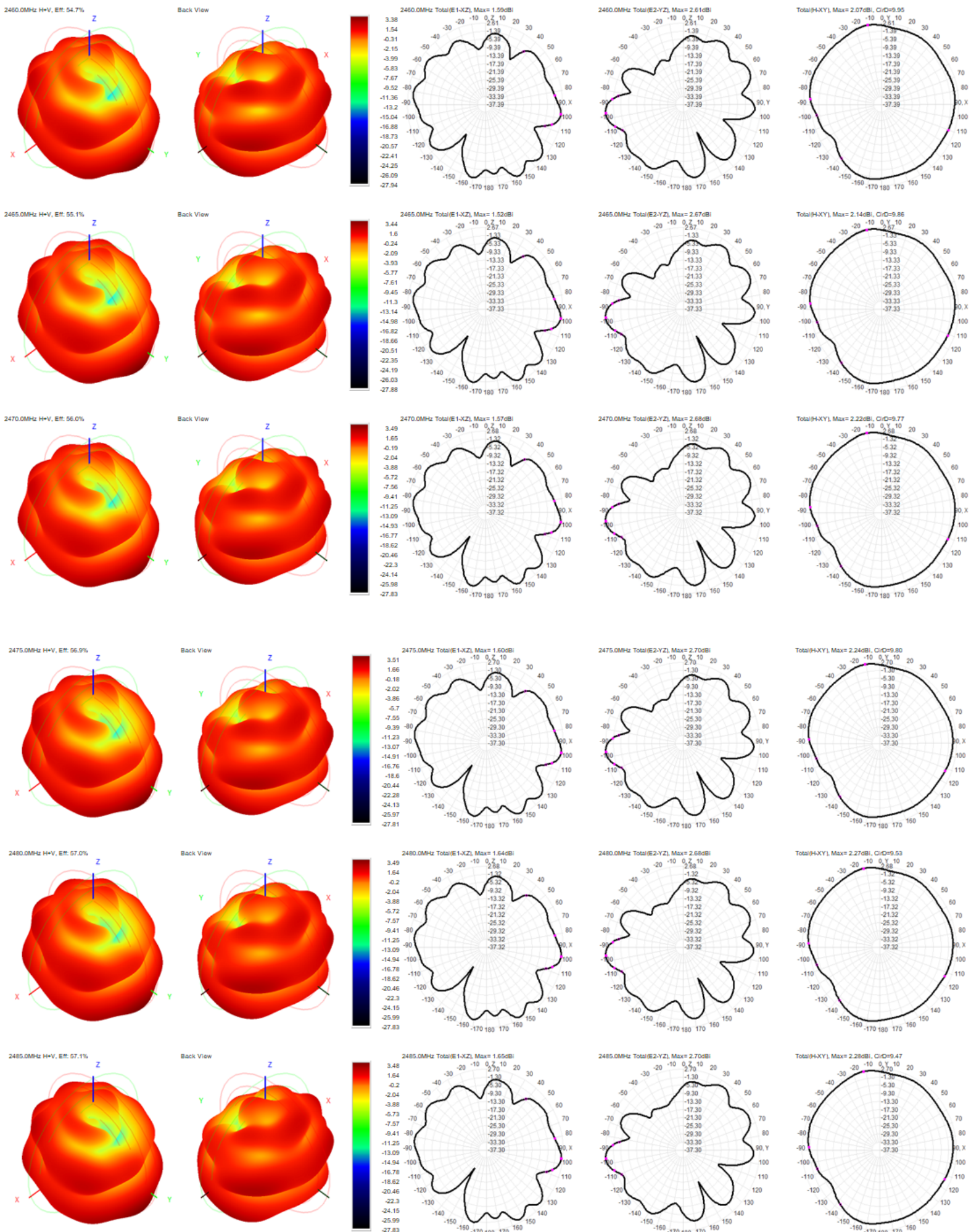
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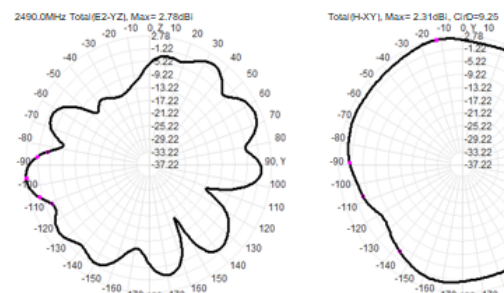
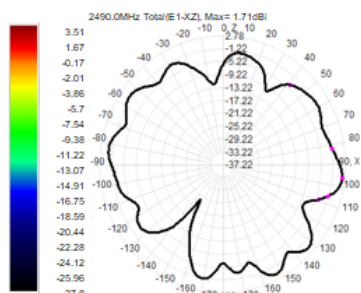
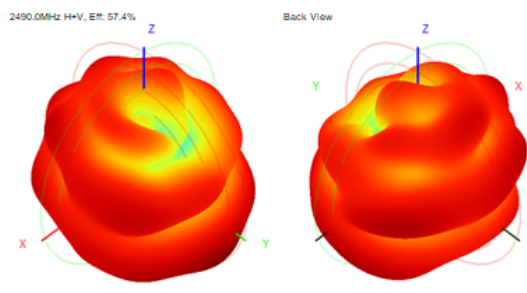






2490.0MHz H+V, E_{eff}: 57.4%

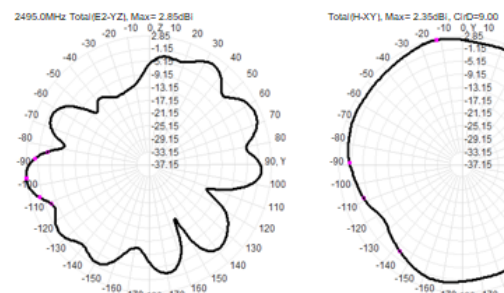
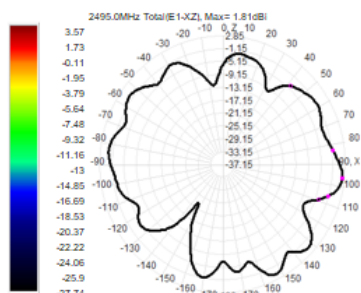
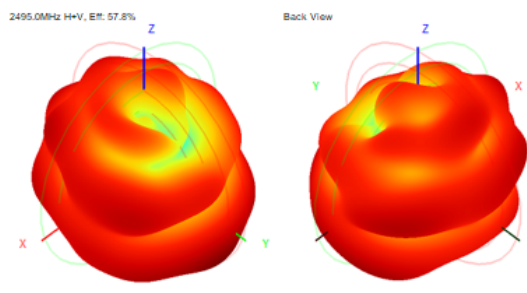
Back View



Total(H+XY), Max= 2.31dBi, CrO=9.25

2495.0MHz H+V, E_{eff}: 57.8%

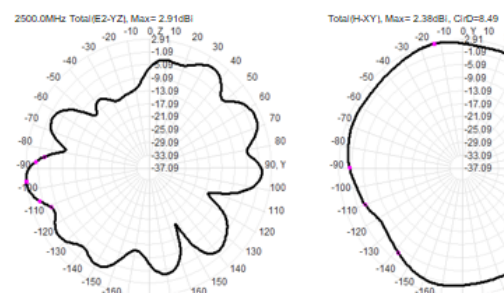
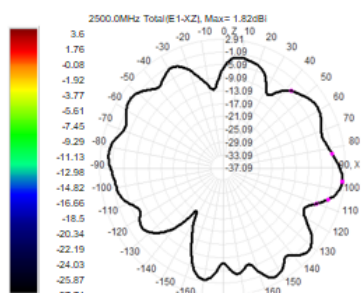
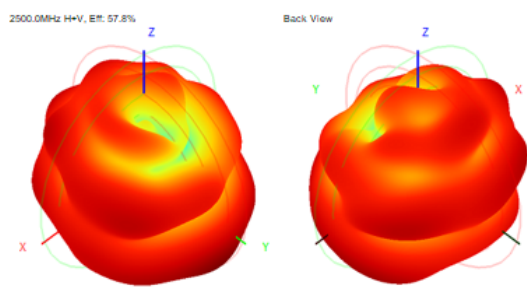
Back View



Total(H+XY), Max= 2.35dBi, CrO=9.00

2500.0MHz H+V, E_{eff}: 57.8%

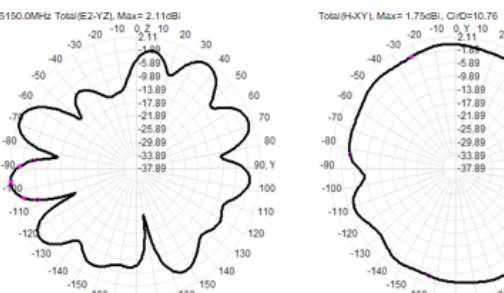
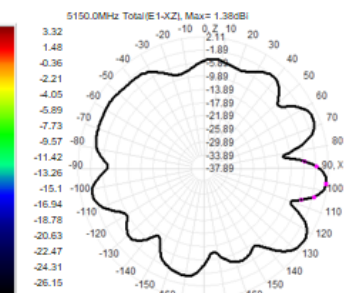
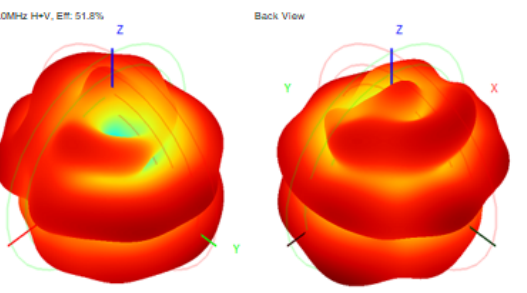
Back View



Total(H+XY), Max= 2.38dBi, CrO=8.49

5150.0MHz H+V, E_{eff}: 51.8%

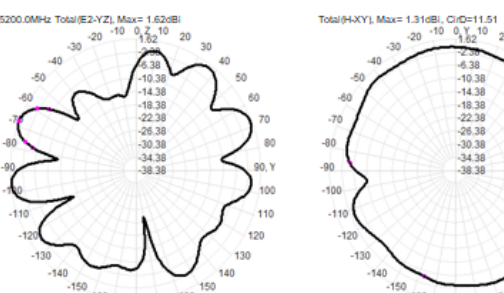
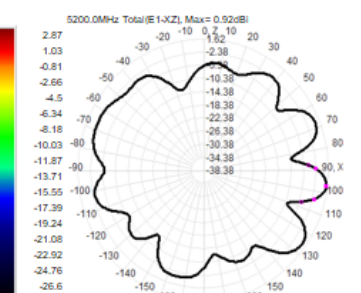
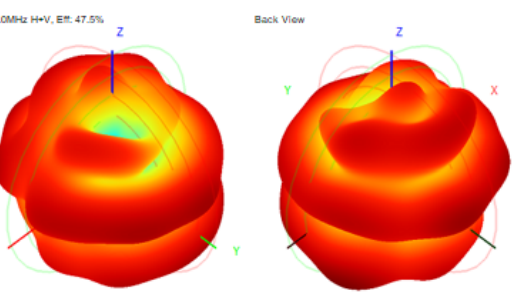
Back View



Total(H+XY), Max= 1.75dBi, CrO=10.76

5200.0MHz H+V, E_{eff}: 47.5%

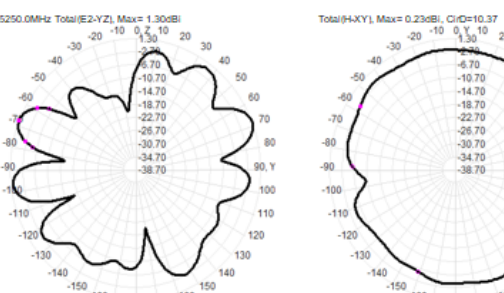
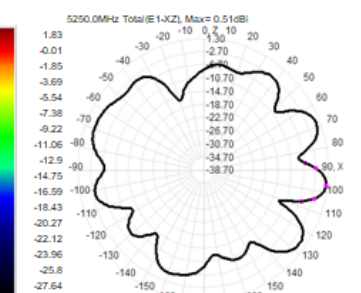
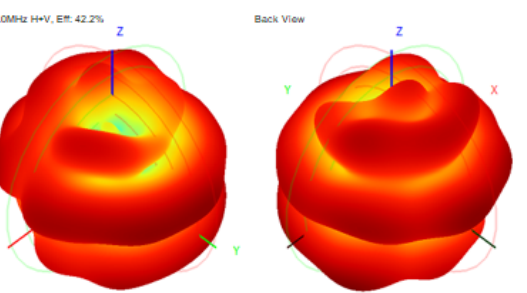
Back View



Total(H+XY), Max= 1.31dBi, CrO=11.51

5250.0MHz H+V, E_{eff}: 42.2%

Back View



Total(H+XY), Max= 0.23dBi, CrO=10.37

