

Datasheet

SPEC: 2.4G and 5G/L=200MM/The first generation of IPEX

DATE: 2023/05/05

Factory confirmed:

sector	review	approve
RF	Jingxiong.Liu	bin.Li
SD	Dong.Xie	bin.Li
DQE	Fei.Wang	bin.Li

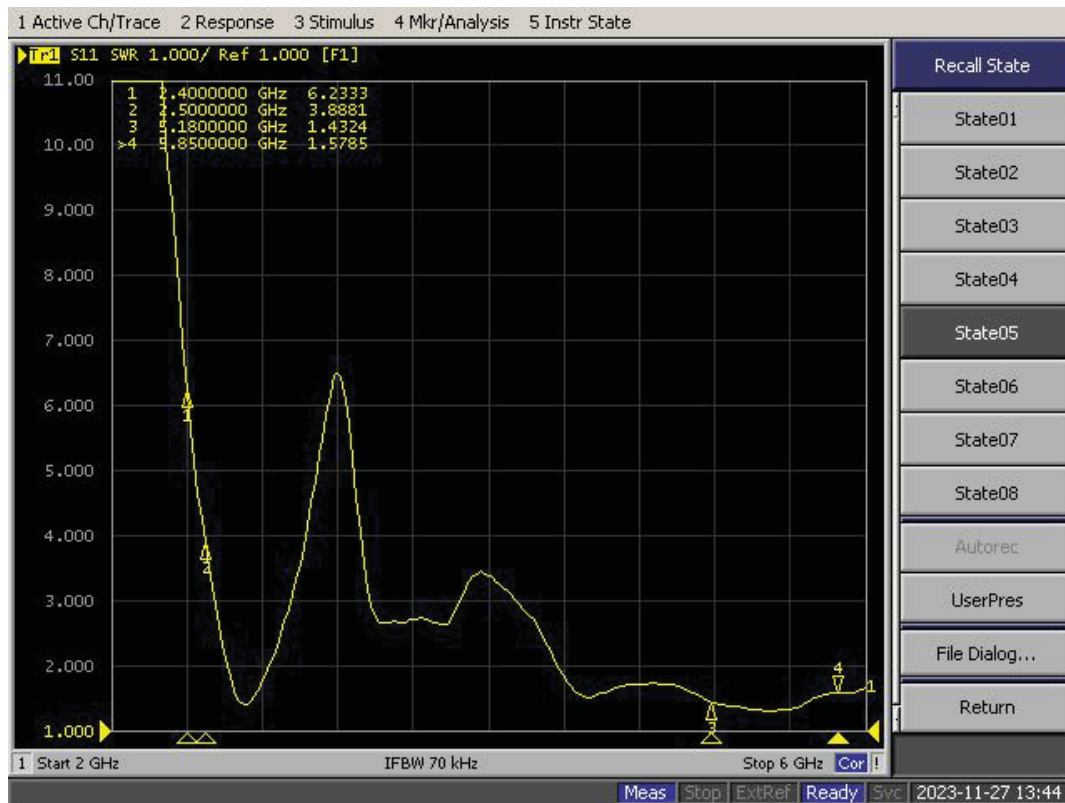
Customer confirmed:

check	review	approve
Xue.Li	Xin.Zhang	Heng.Wang

1. Product images:



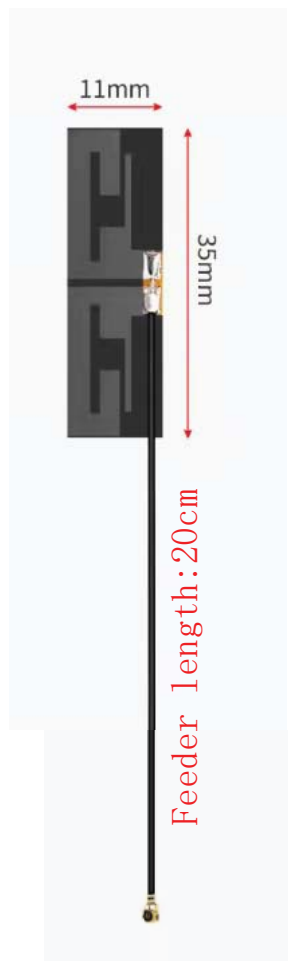
2. Electrical performance test report: **VSWR:**

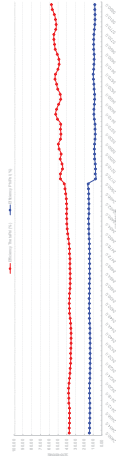
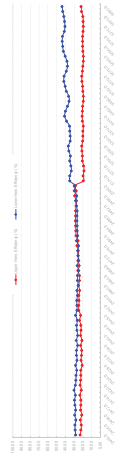
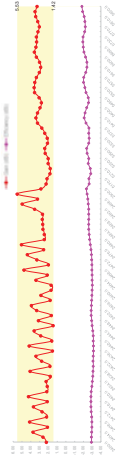


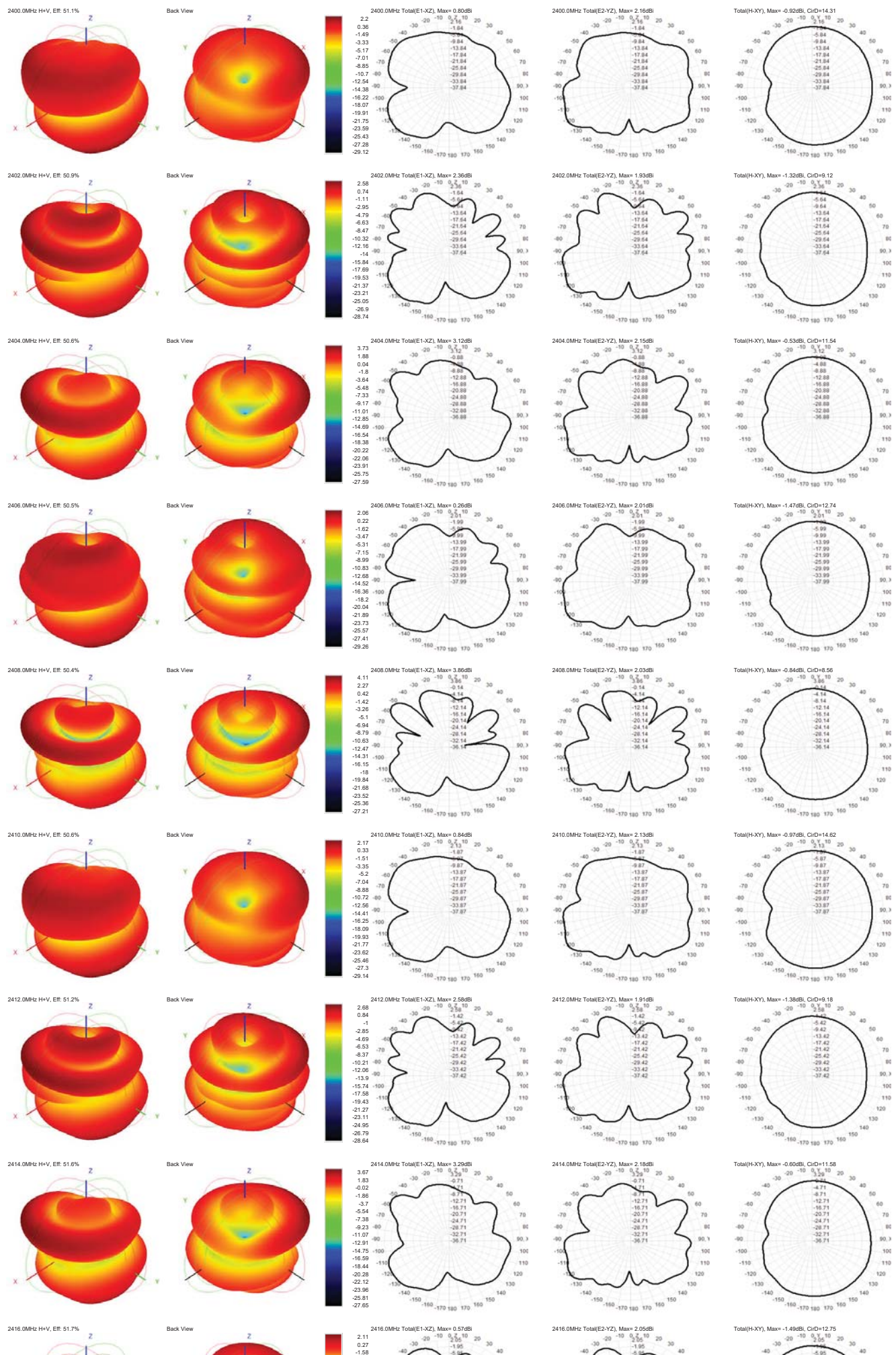
3.Product performance parameters:

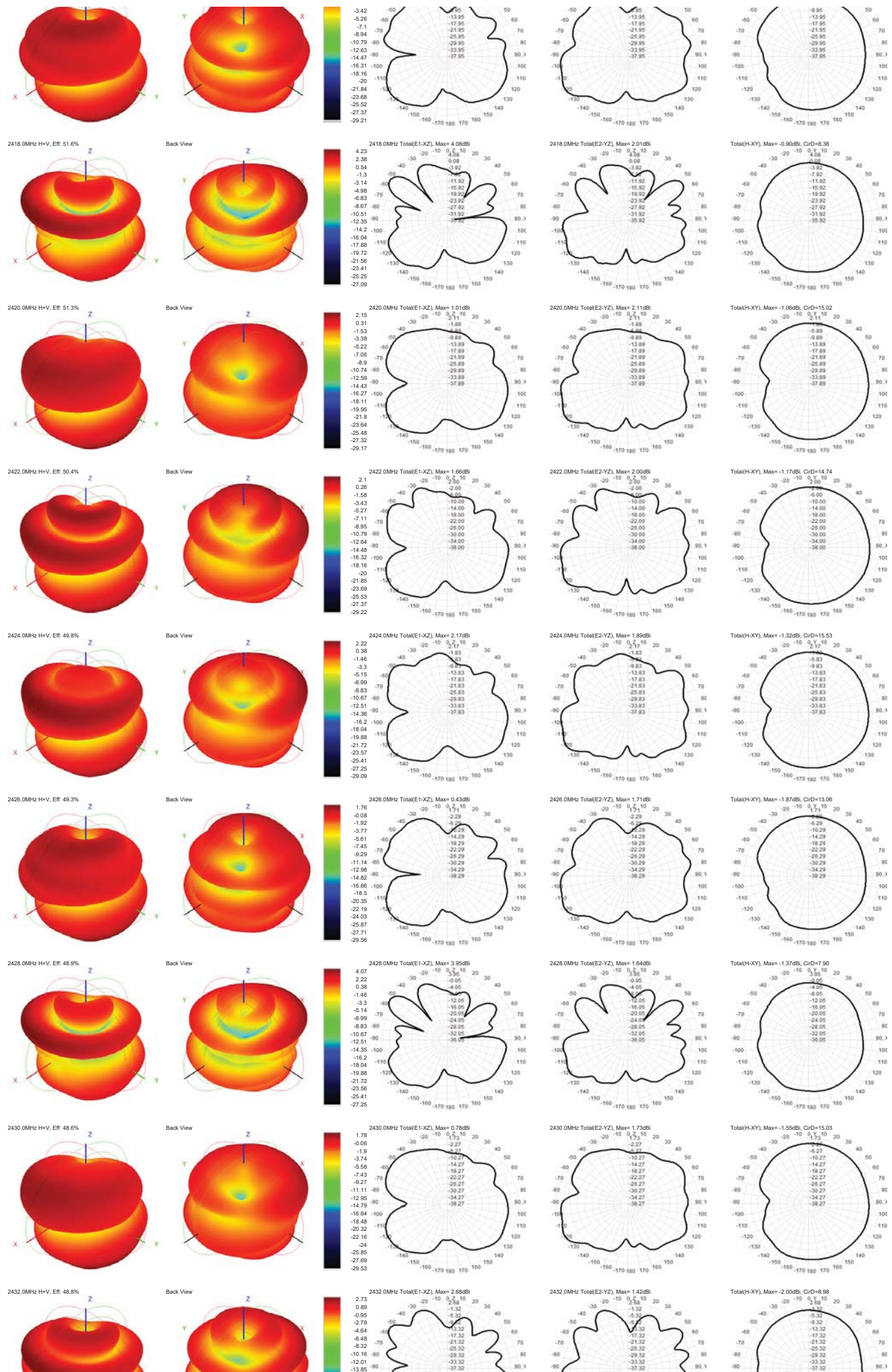
Electrical Specifications	
Frequency Range (MHz)	2400-2500/5150-5850
Input Impedence (Ω)	50
V.S.W.R	≤ 2.0
Gain (dBi)	5.53
Polarization Type	Vertical
Maximum power(W)	10W
Vertical lobe Angle (E)	45~60°
Water plane lobe Angle (H)	360°
Mechanical Specifications	
Material	FPC
Connect Type	IPEX(First generation)
Size	FPC: 35*11mm*0.25mm
Operating Temp	-25 ~ +75 °C

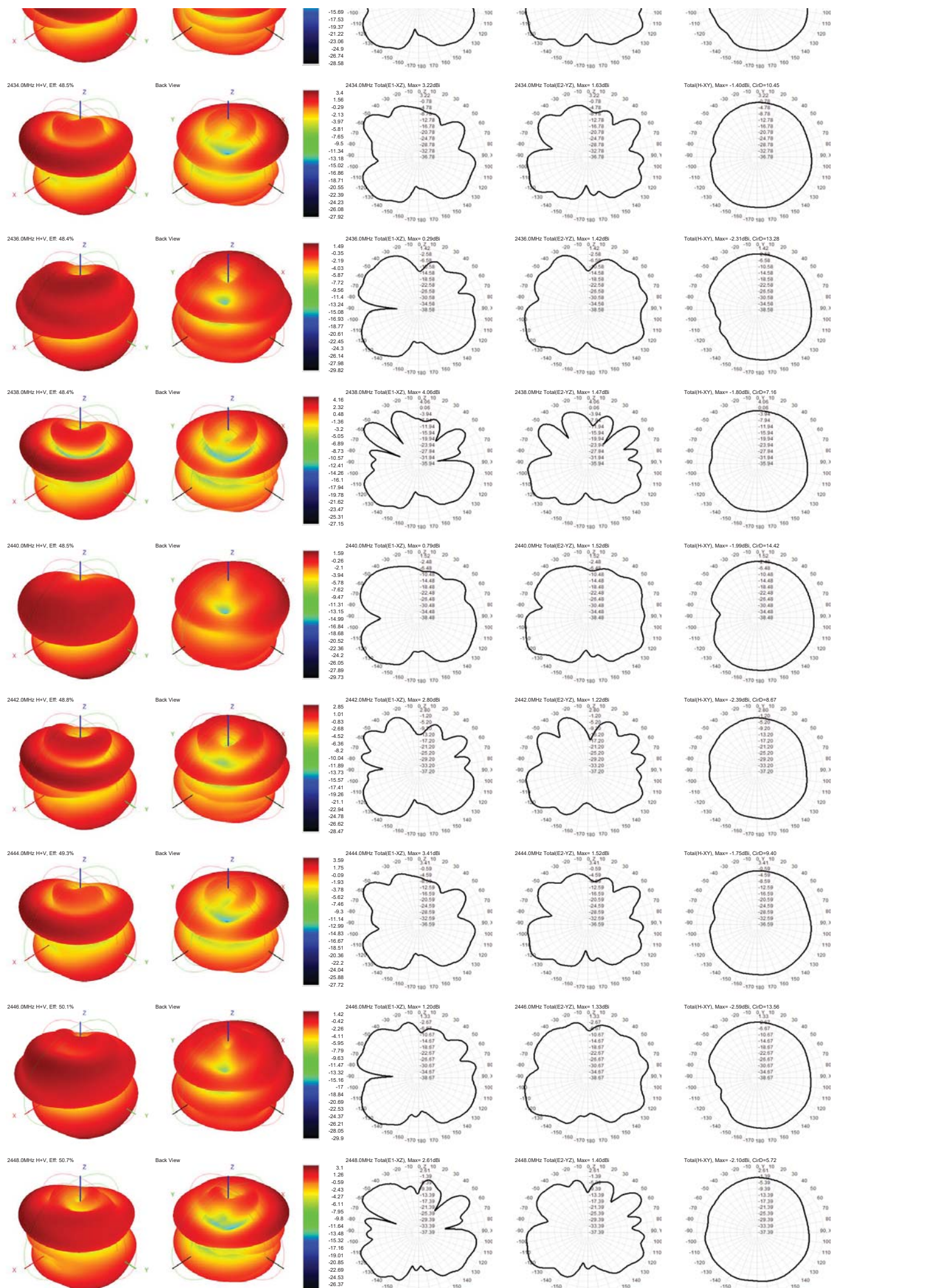
4. Product Size:

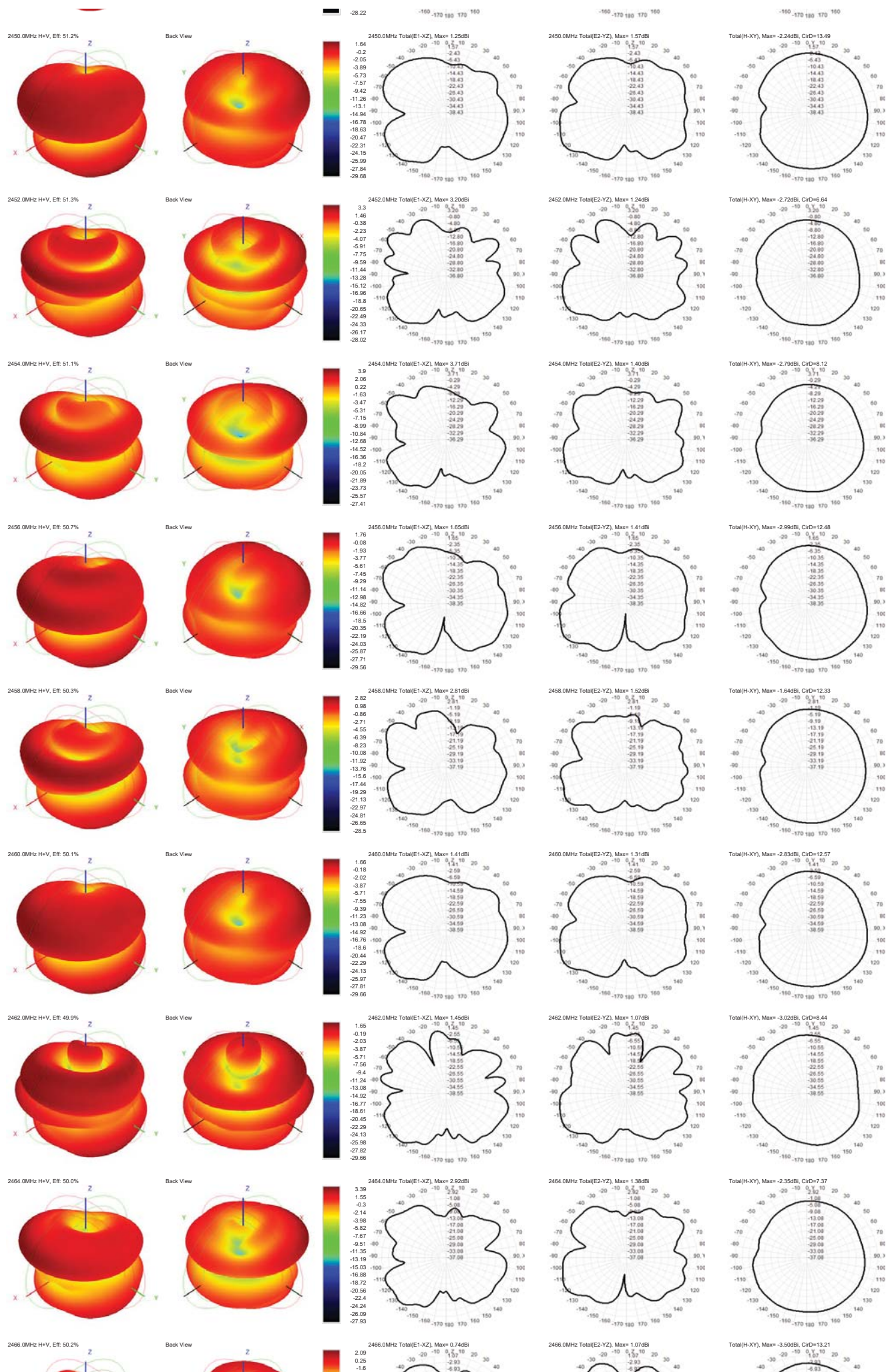


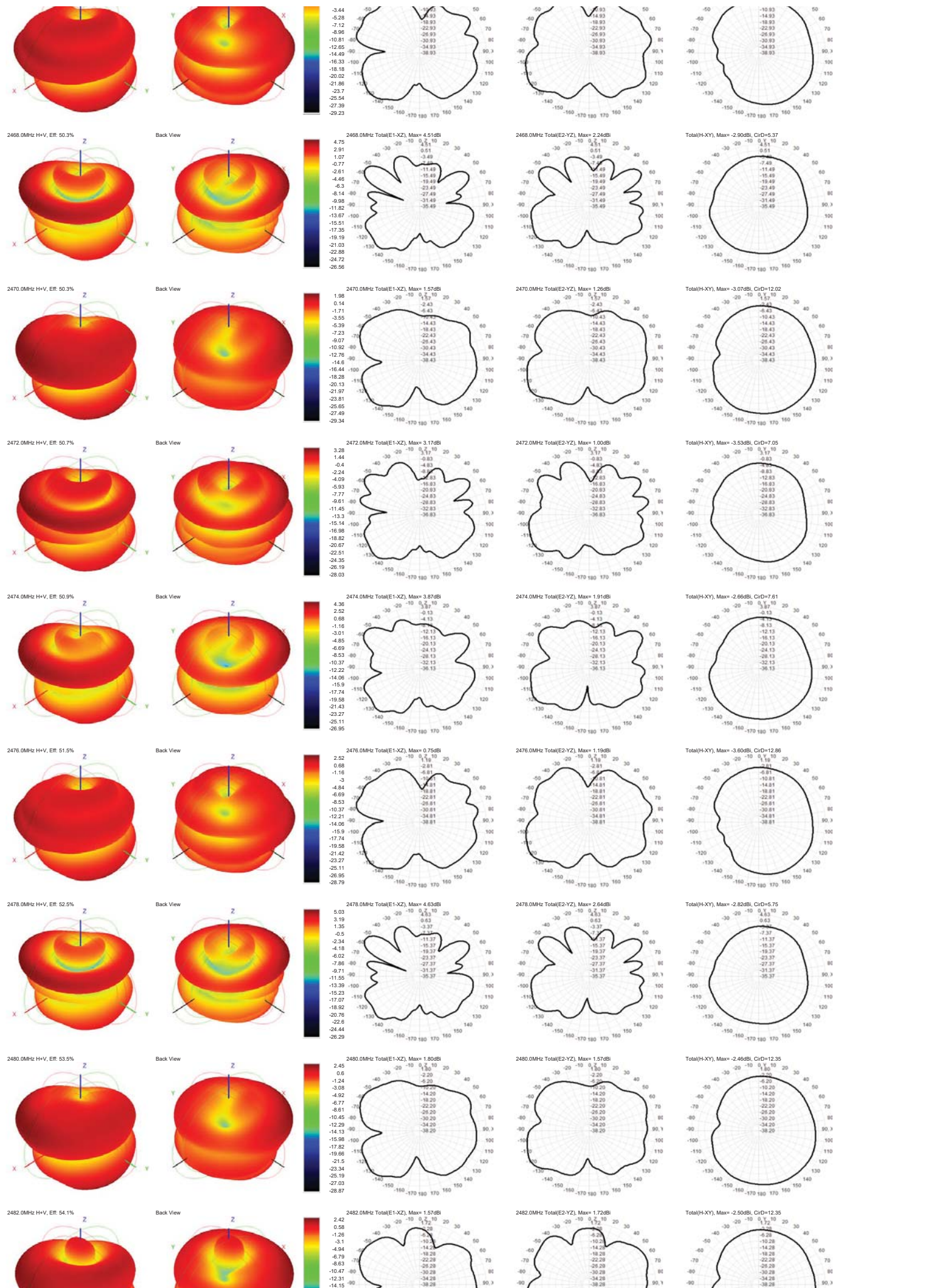
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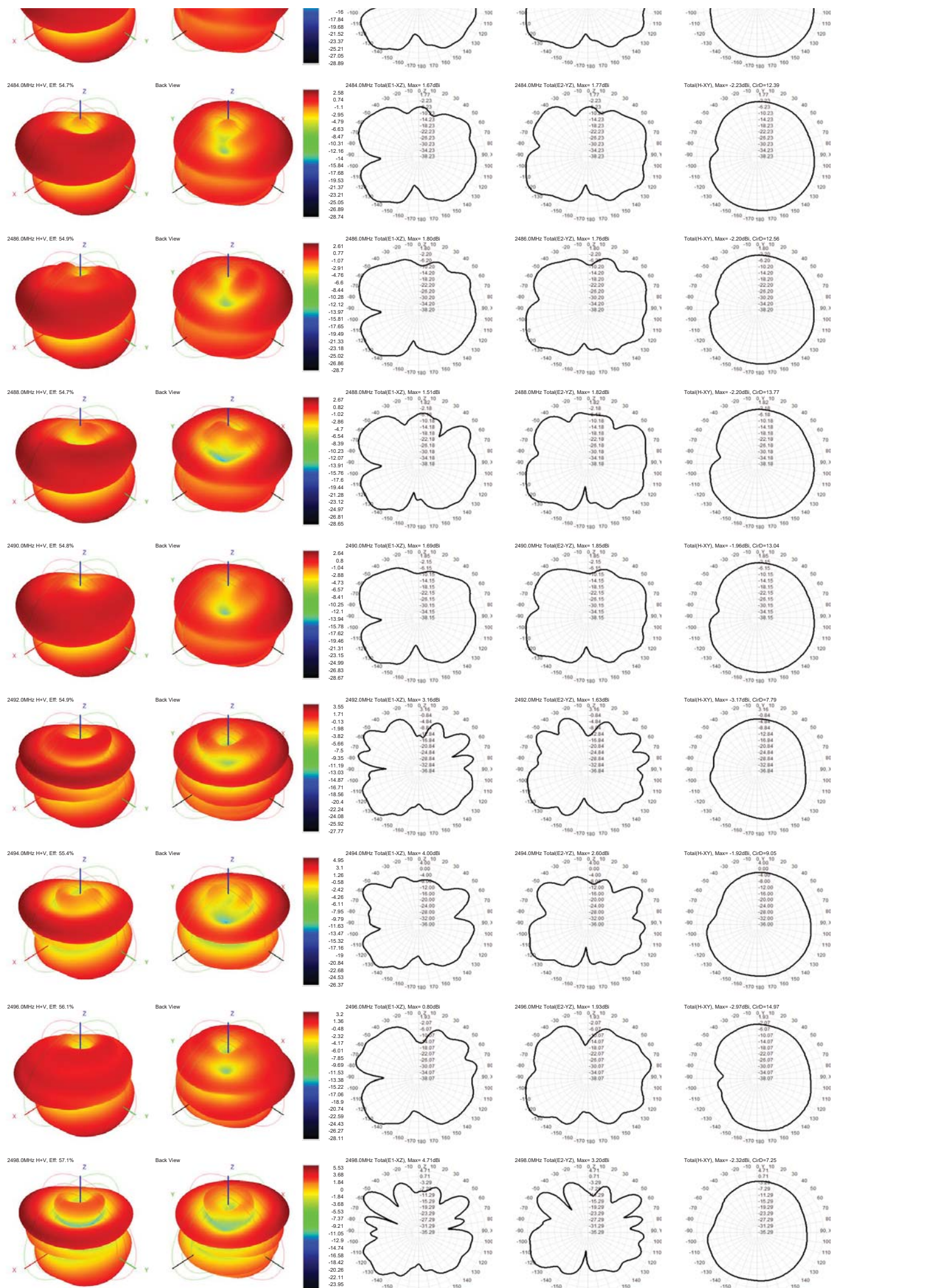


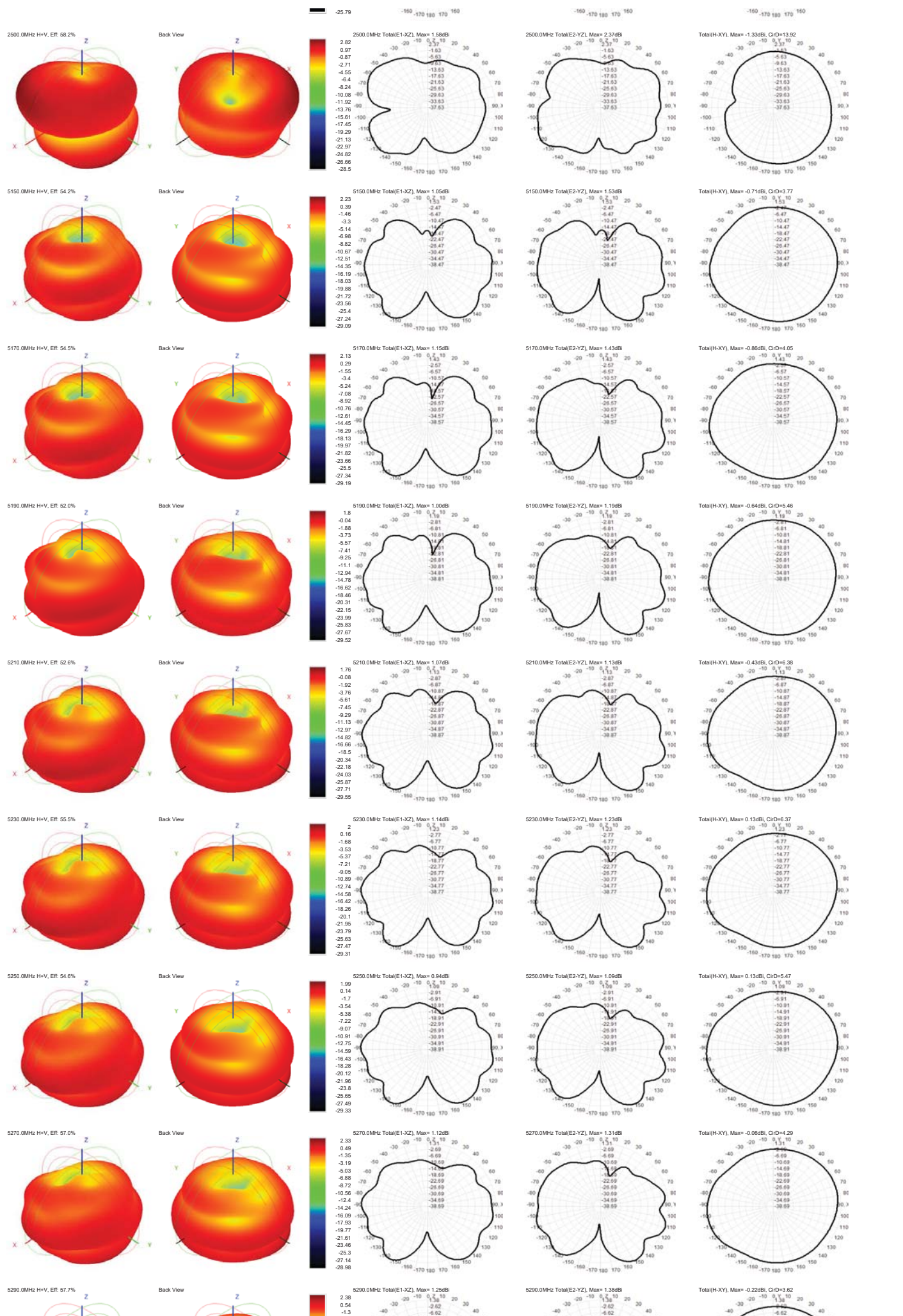


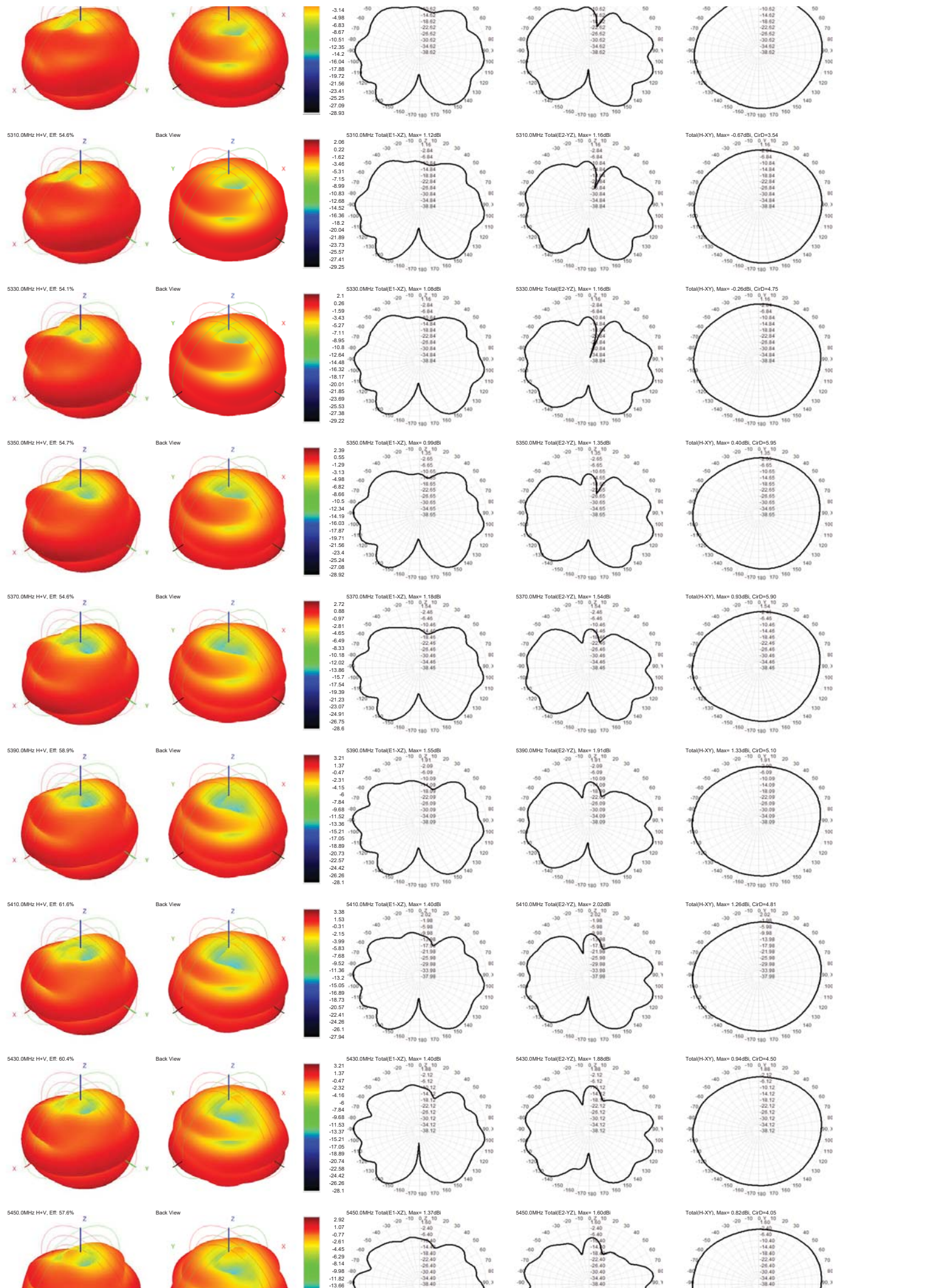


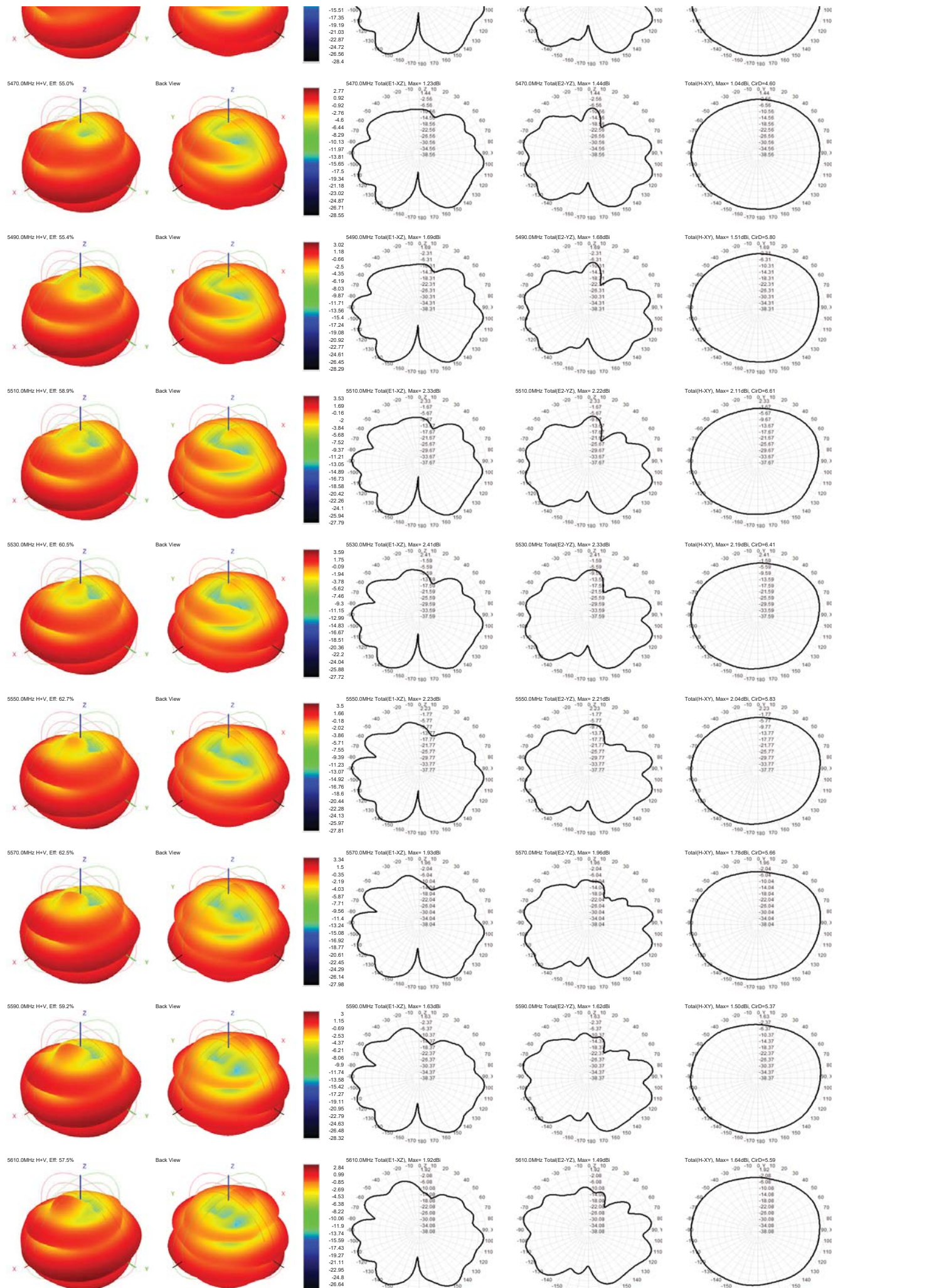


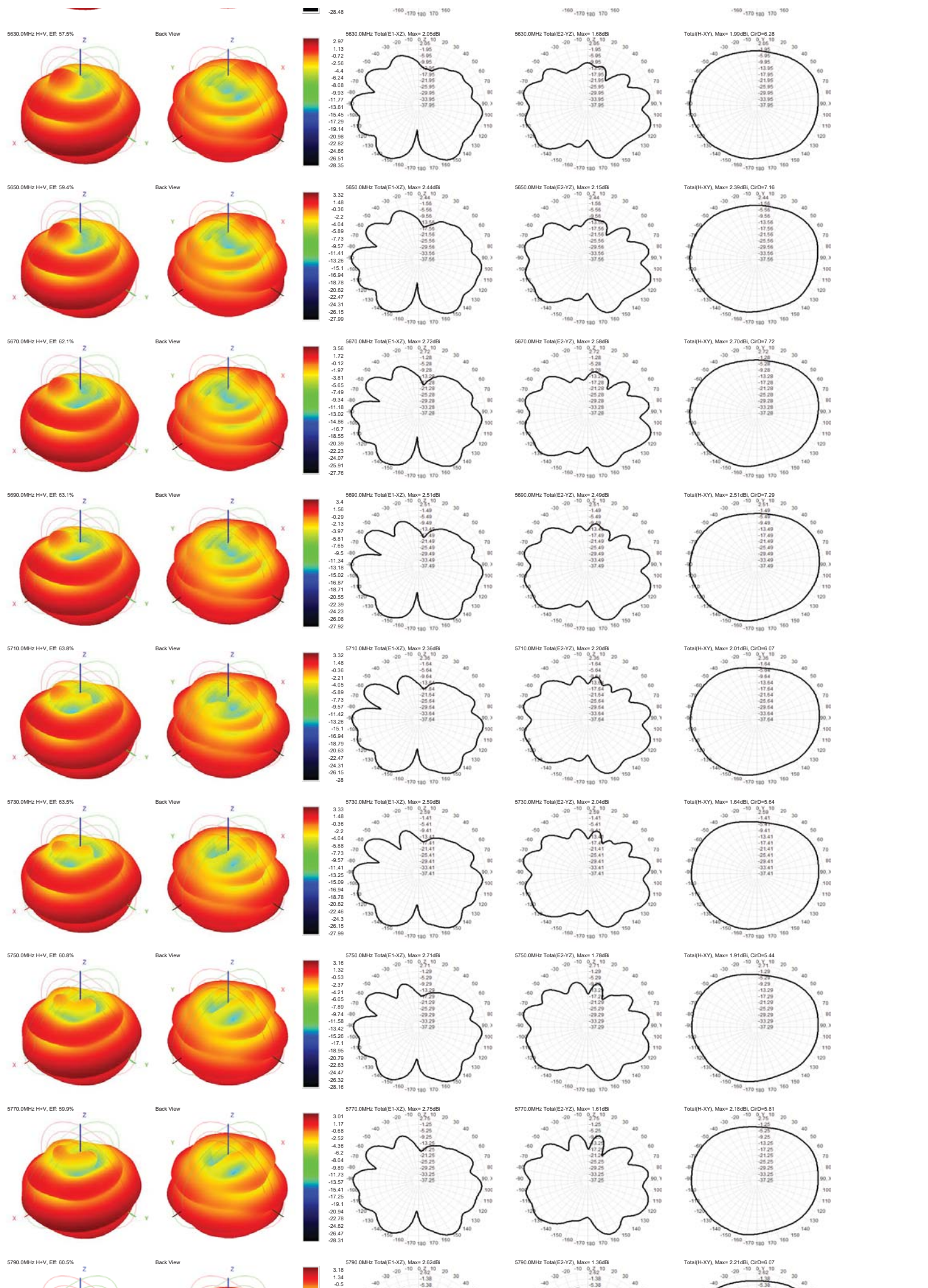


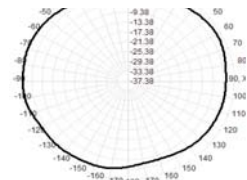
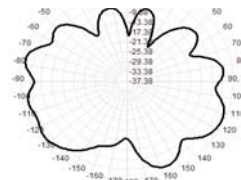
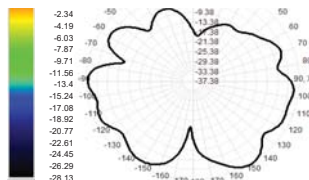
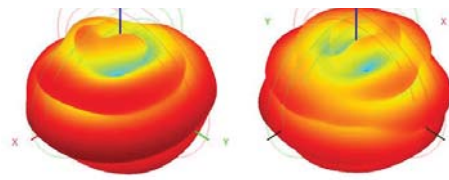






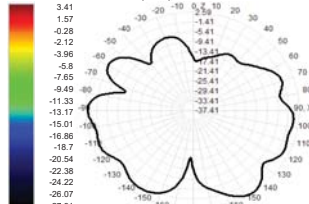
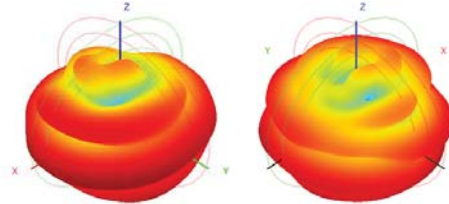






5810.0MHz H+V, Eff: 61.8%

Back View

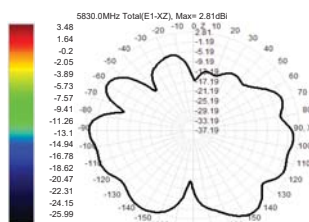
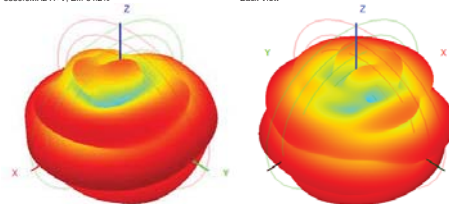


5810.0MHz Total(E2-YZ), Max= 1.81dBi

Total(H-XY), Max= 1.97dBi, C/D=5.96

5830.0MHz H+V, Eff: 64.2%

Back View

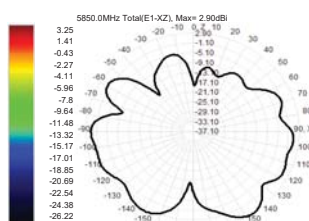
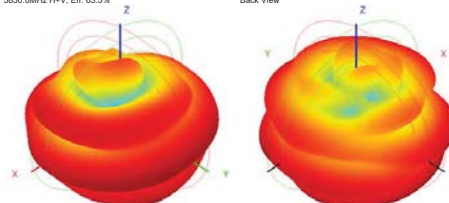


5830.0MHz Total(E2-YZ), Max= 2.46dBi

Total(H-XY), Max= 1.54dBi, C/D=5.51

5850.0MHz H+V, Eff: 65.5%

Back View



5850.0MHz Total(E2-YZ), Max= 2.68dBi

Total(H-XY), Max= 1.10dBi, C/D=5.64