

Awan Dipole Report

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- **Antenna Testing Conditions**

1. Test System

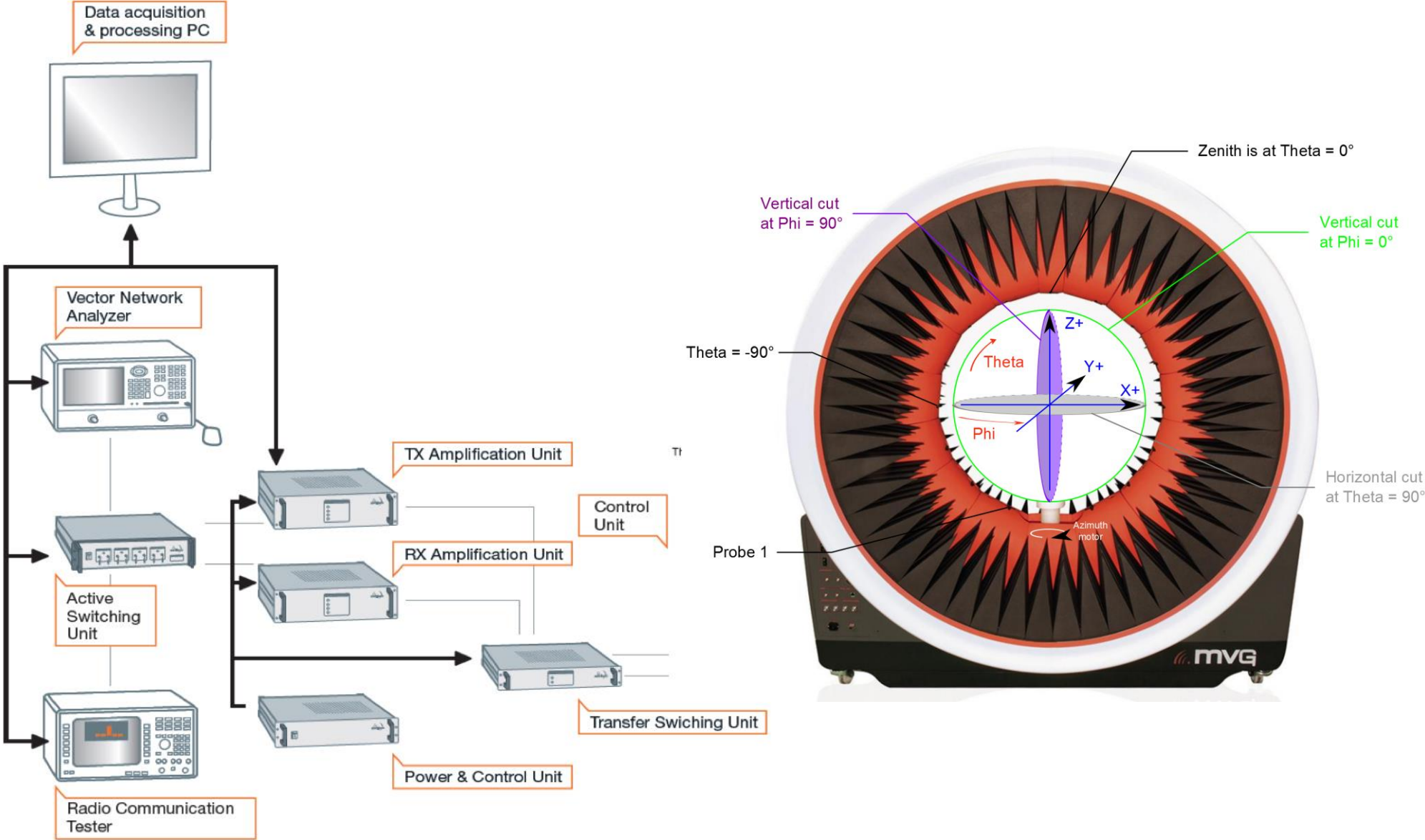
2. Antenna Proposal and specification

- **Antenna RF characteristics**

1. Radiation Pattern 2D & 3D

2. Gain Table

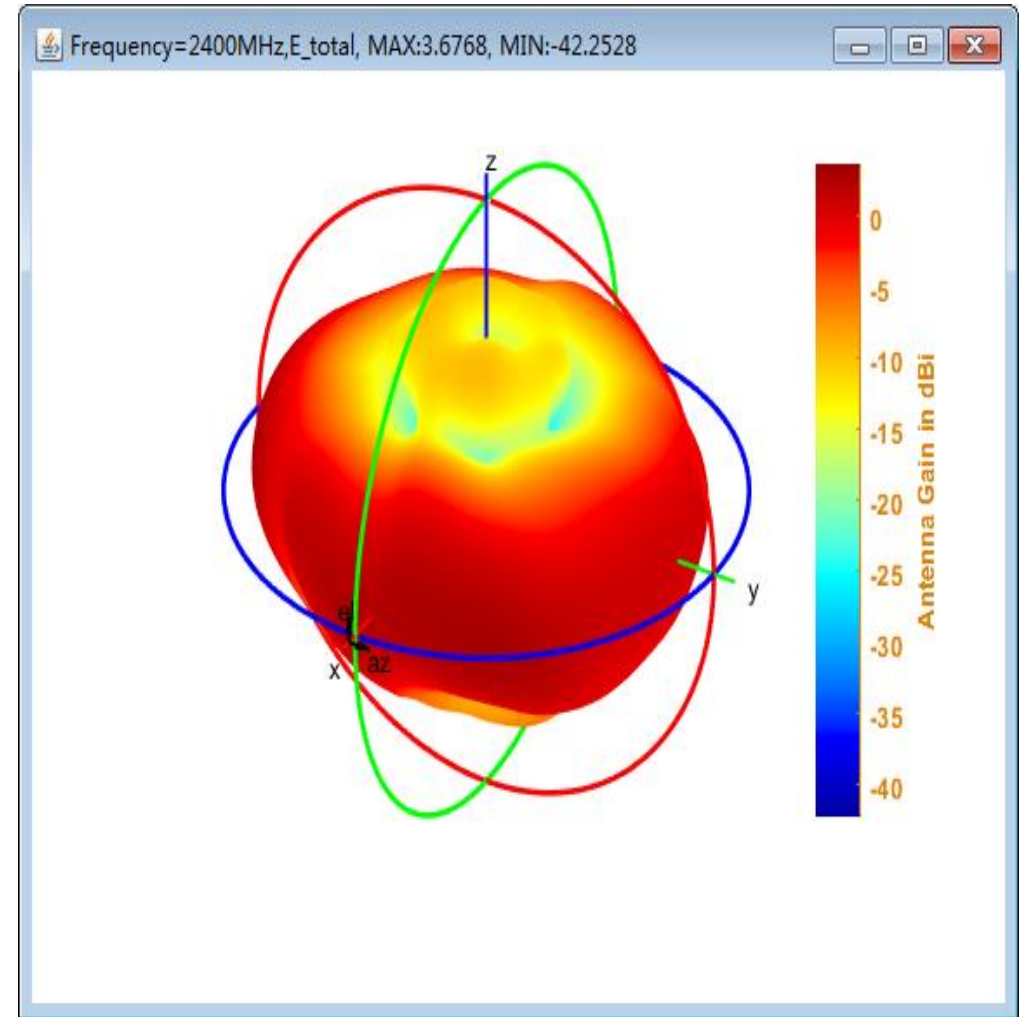
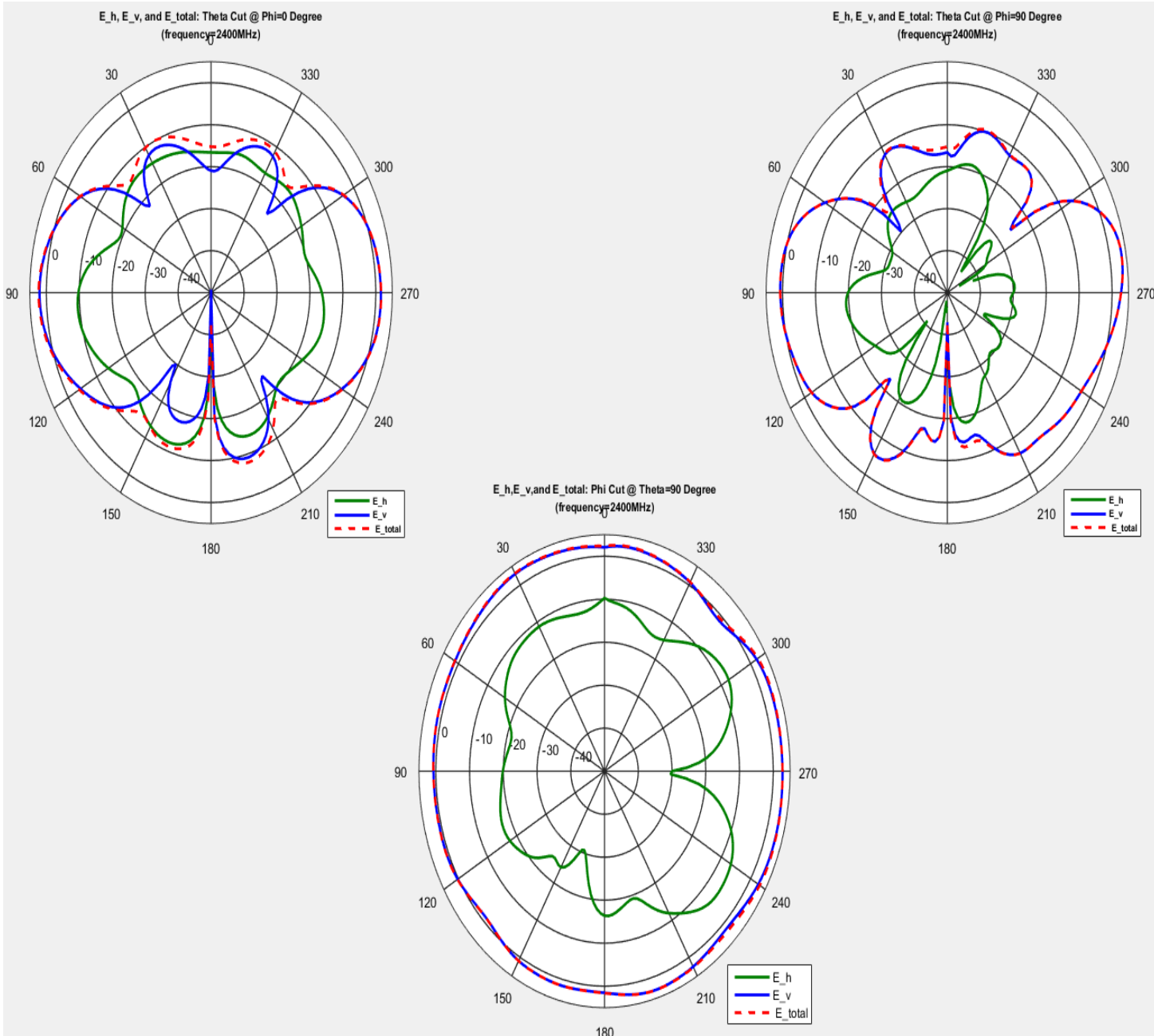
Antenna Test System



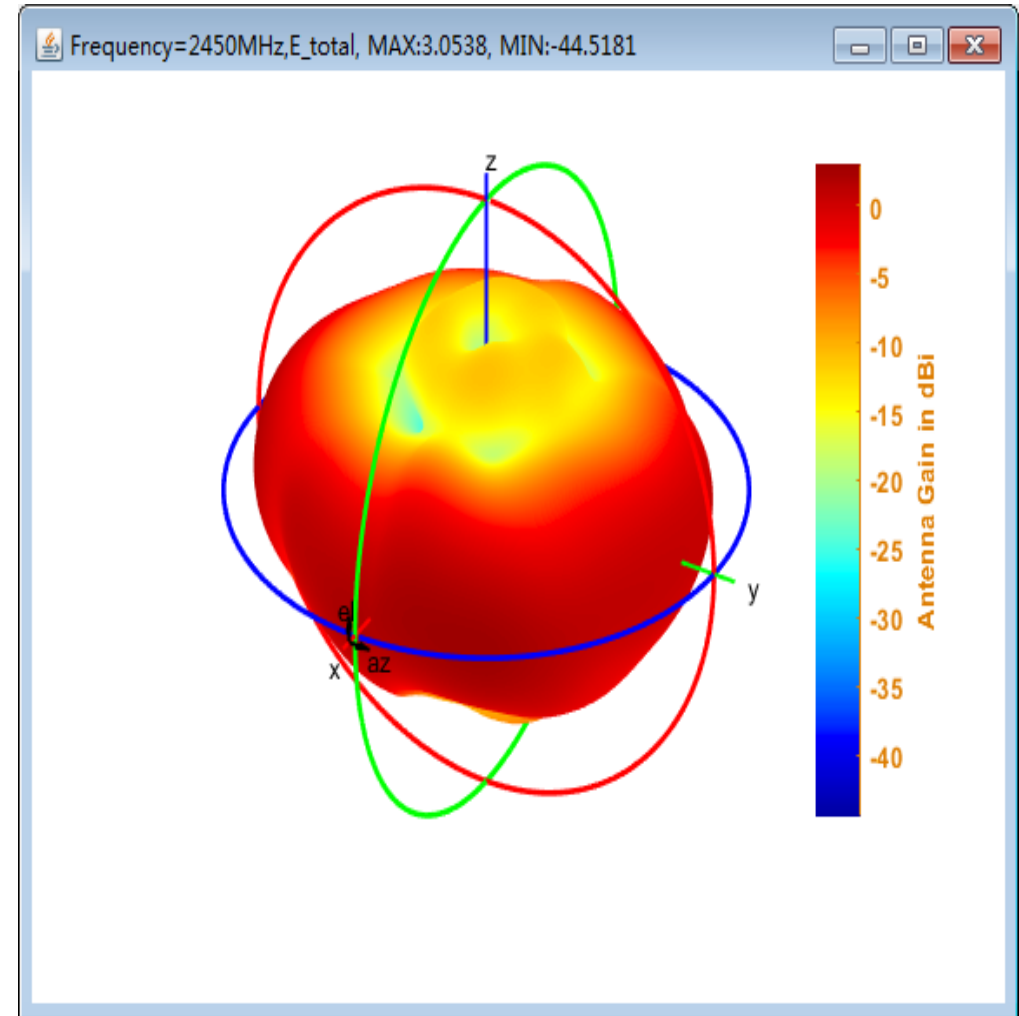
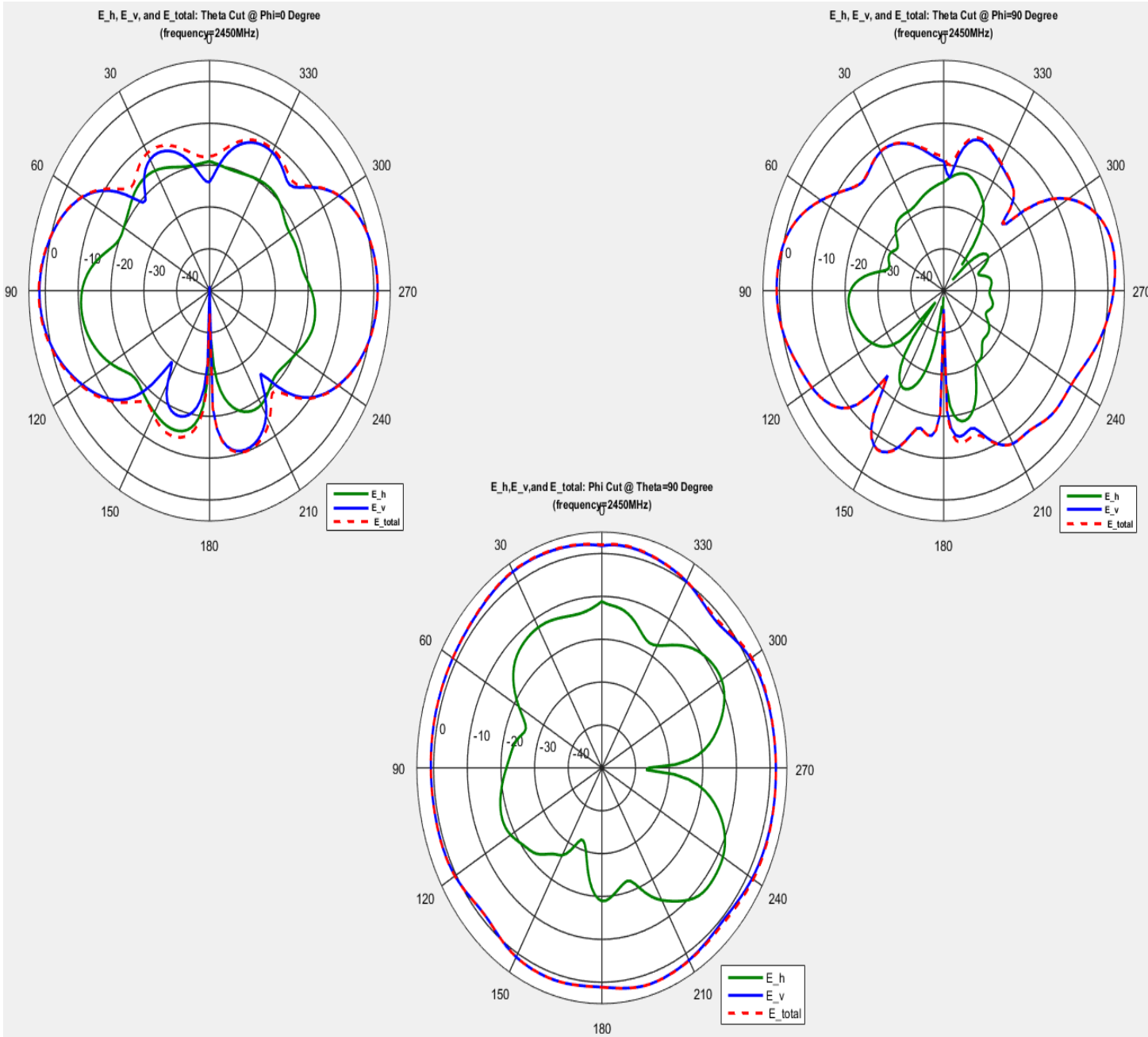
Antenna proposal and specification

Paddle Antenna	Specification
Antenna Type	Monopole
VSWR	< 2
Frequency	2.4 ~ 2.5 GHz 5.15 ~ 5.85 GHz
Gain	2.4 ~ 2.5 GHz @ 3.5dBi 5.15 ~ 5.85 GHz @ 5.5 dBi
Efficiency	2.4 ~ 2.5 GHz @ 65 ~75% 5.15 ~ 5.85 GHz @ 70 ~80%

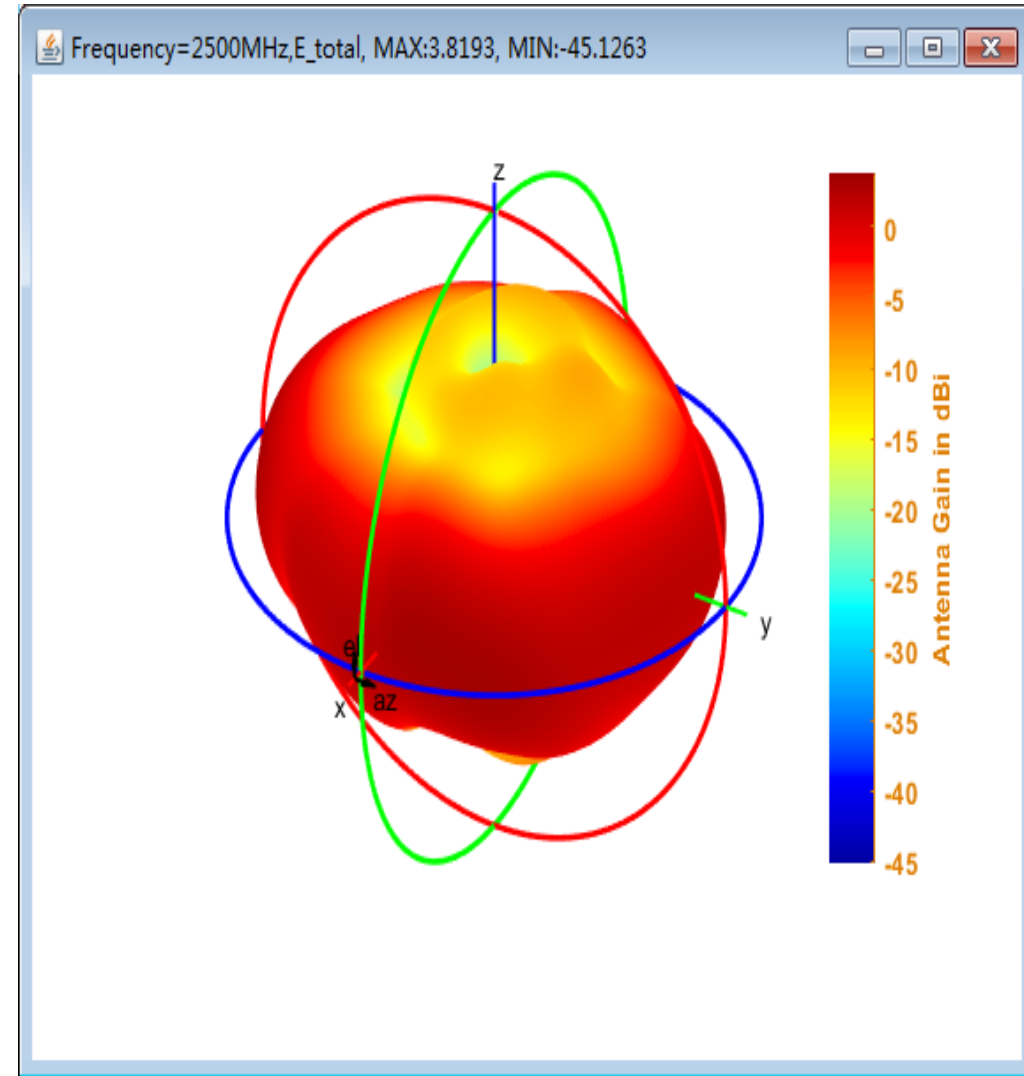
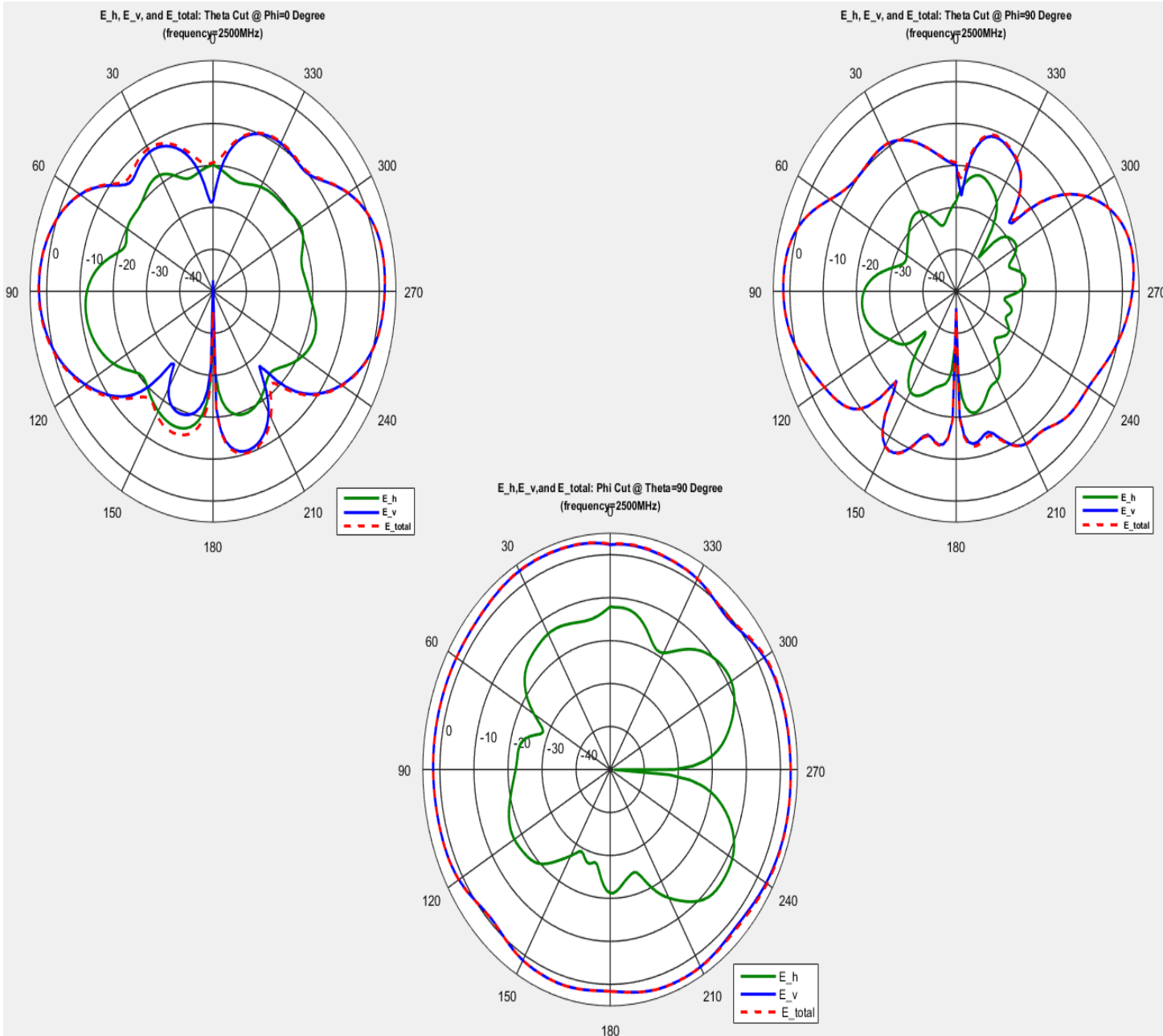
Radiation Pattern 2D & 3D (2.4 GHz)



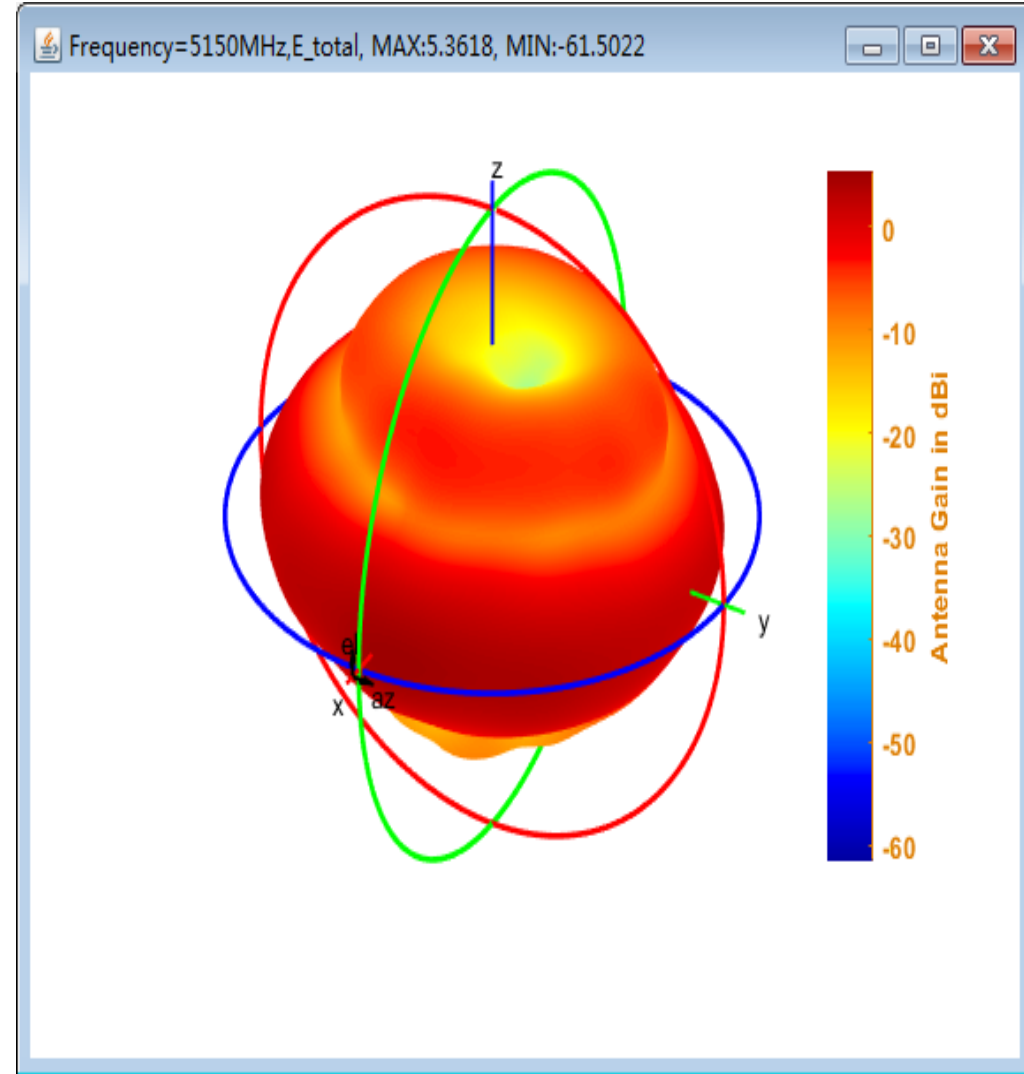
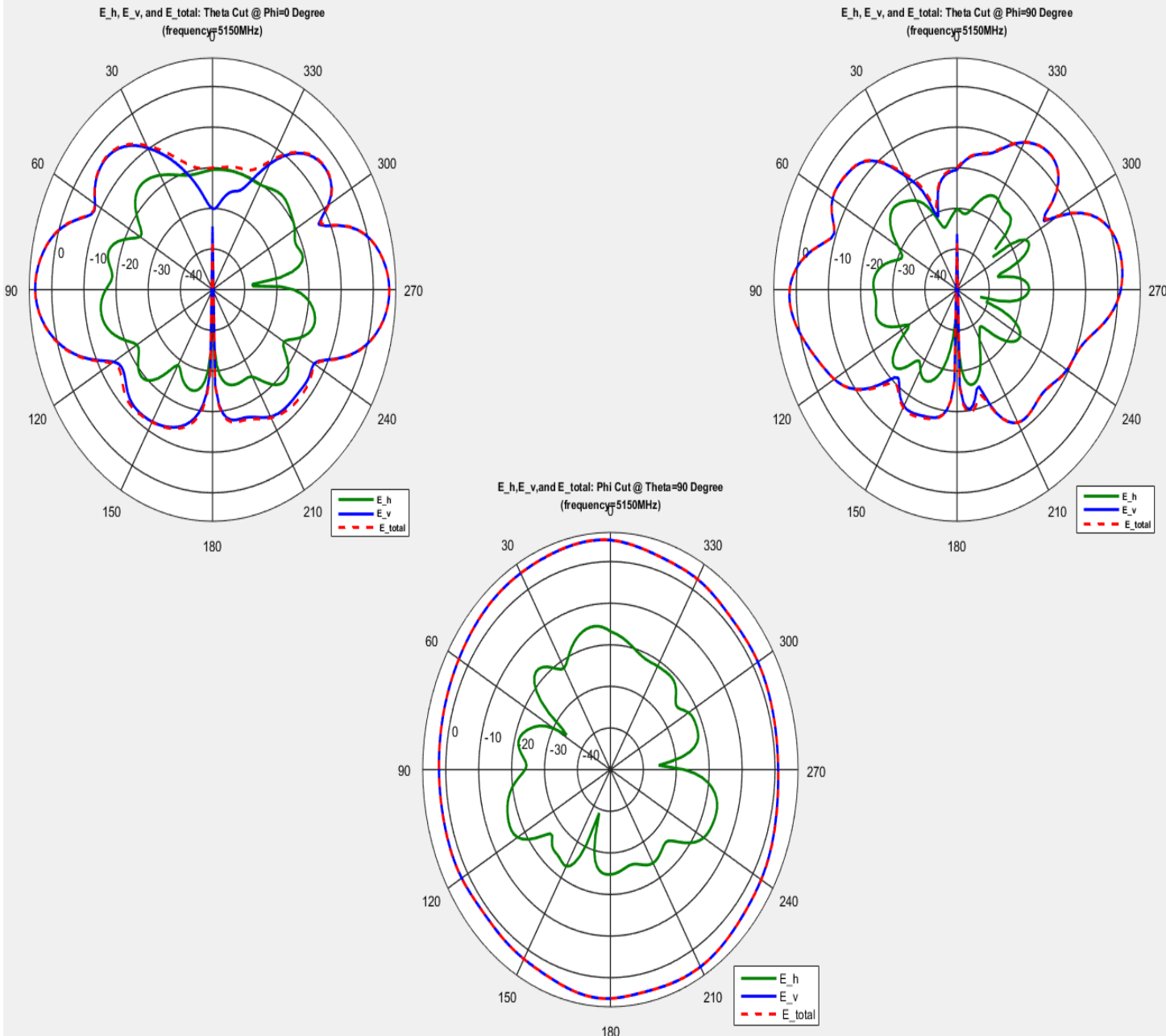
Radiation Pattern 2D & 3D (2.45 GHz)



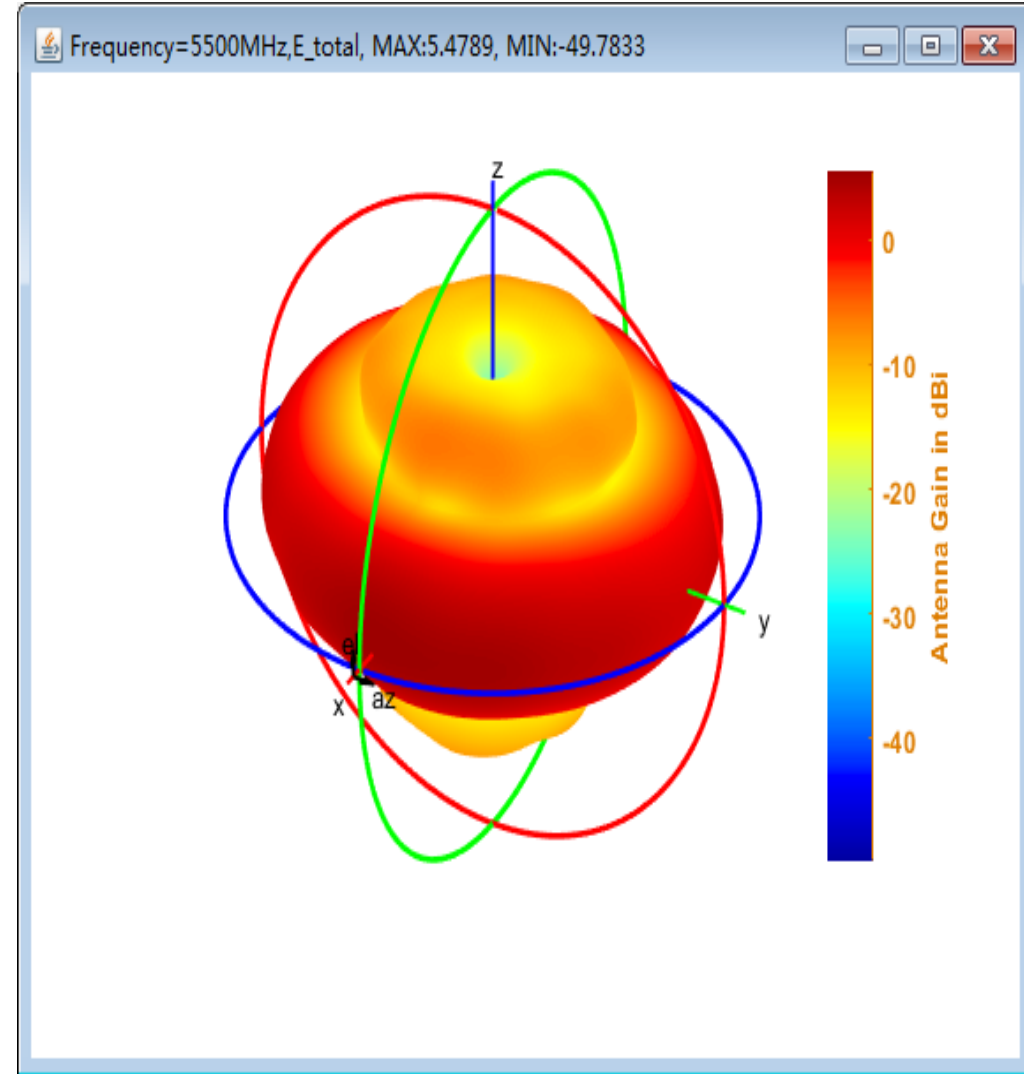
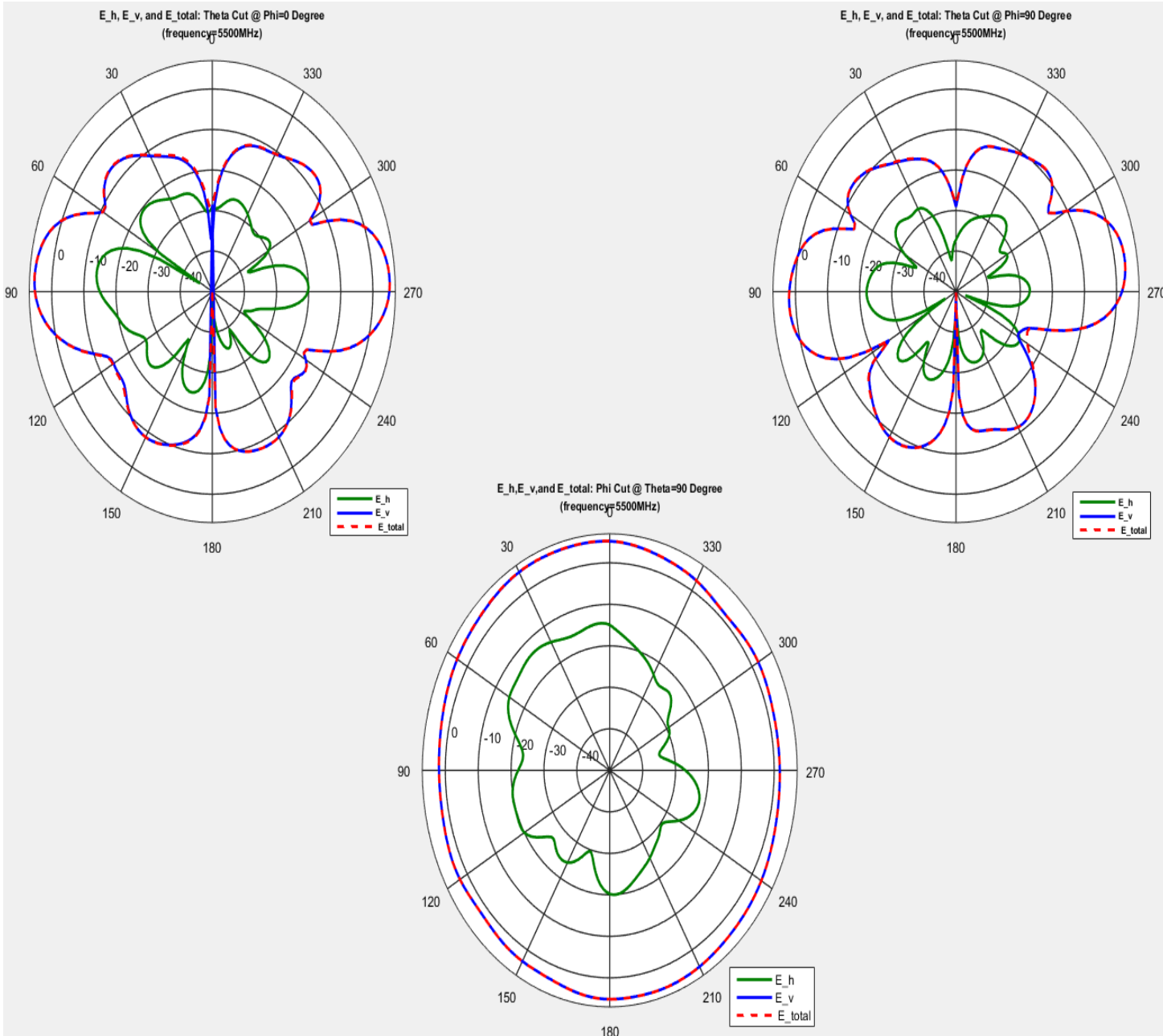
Radiation Pattern 2D & 3D (2.5 GHz)



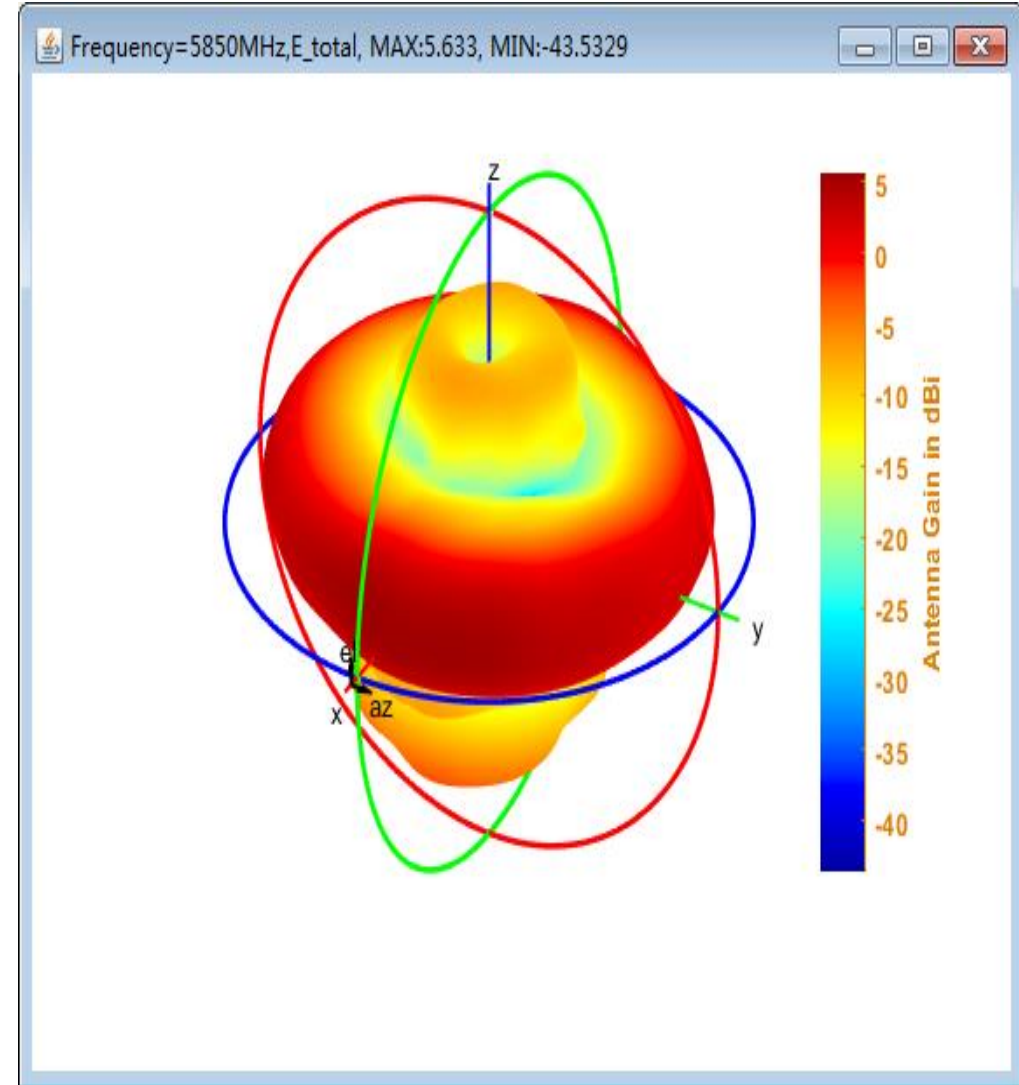
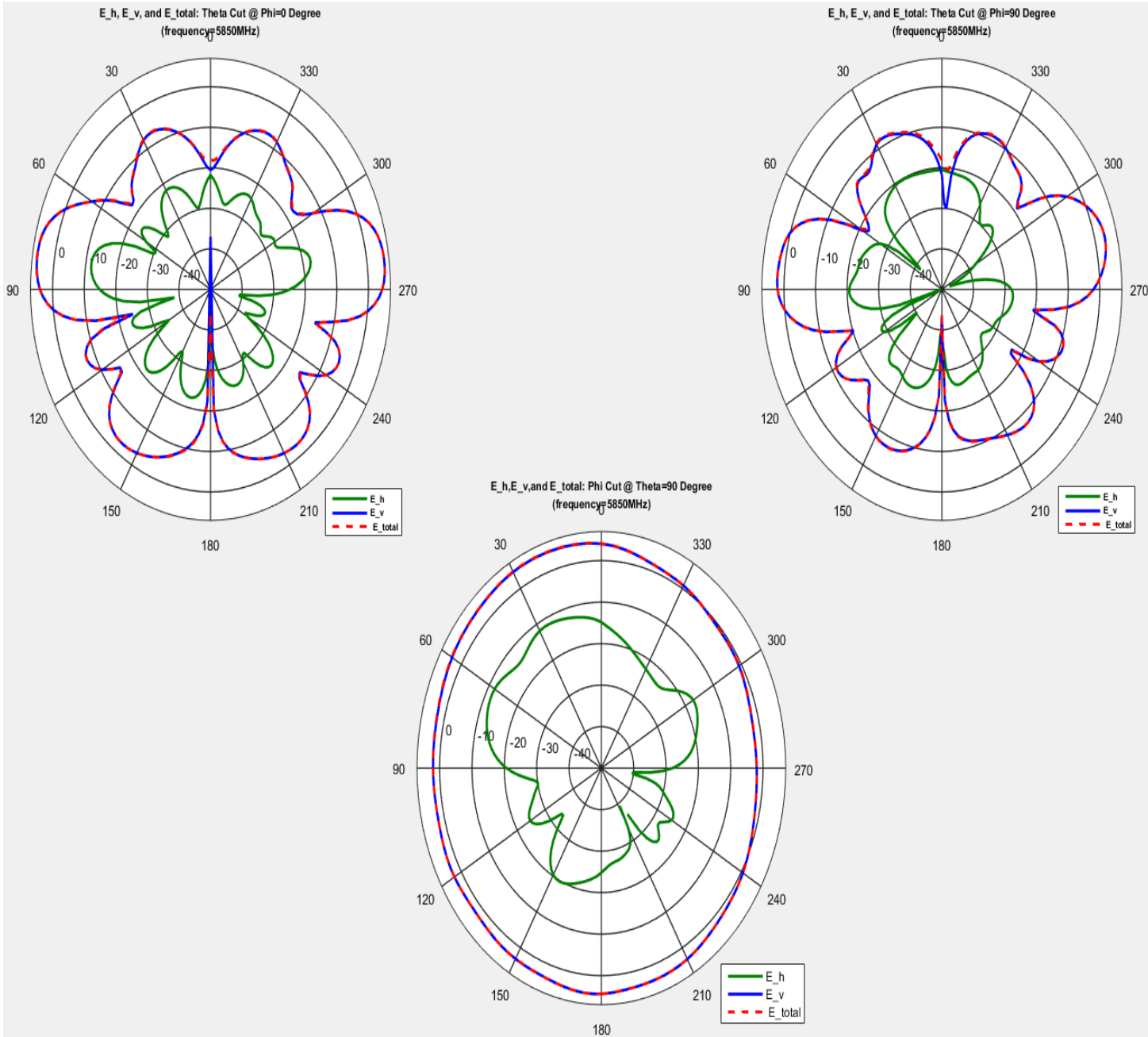
Radiation Pattern 2D & 3D (5.15 GHz)



Radiation Pattern 2D & 3D (5.5 GHz)



Radiation Pattern 2D & 3D (5.85 GHz)



Gain Table

Frequency (MHz)	E-total (dBi)	Efficiency (%)
2400	3.32	64.6
2450	3.12	64.2
2500	3.44	75.3
5150	5.33	81.3
5250	5.12	71.8
5350	5.23	78.6
5450	5.09	74.1
5550	5.41	76.3
5750	5.15	72.2
5850	5.35	81.2



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THANK YOU