



深圳市烨盛通讯技术有限公司

Shenzhen Yesheng Communication Technology Co.,Ltd.

Antenna specification

Manufacturer: WizarPos International Co., Ltd.

Project Name: WIZARHAND Q1

Manufacturer Address: 4F, No 507 Wuning Rd, Shanghai, China

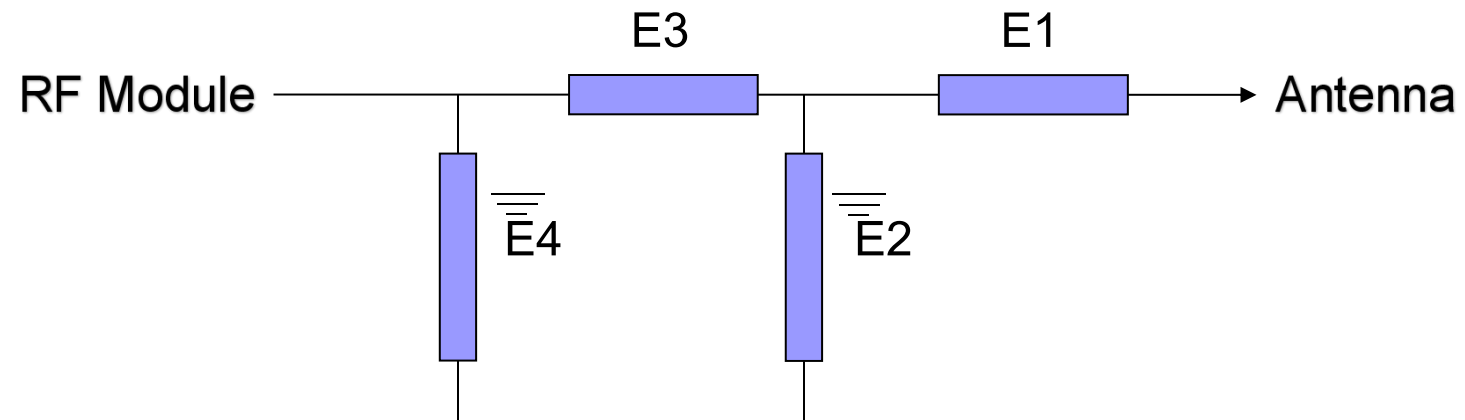
Date: 2025-10-25

Structure mode: FPC

Antenna type: Internal Antenna

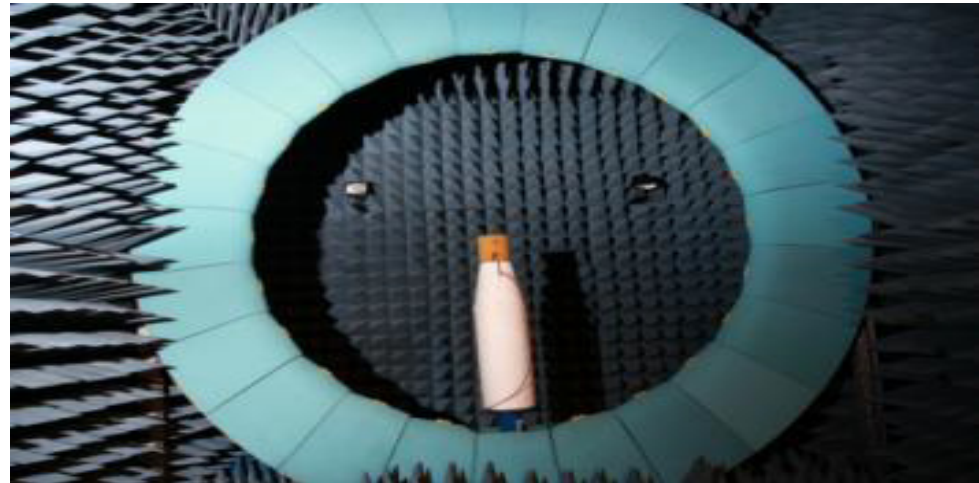
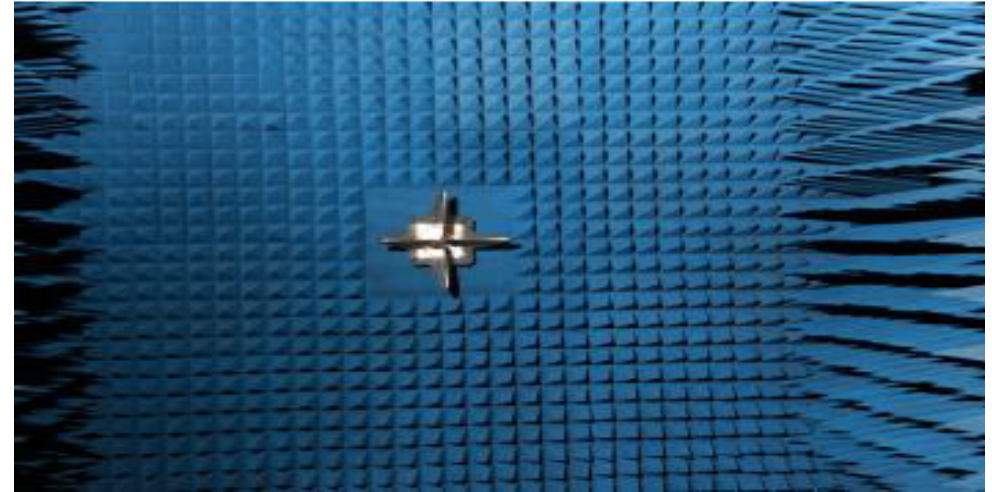
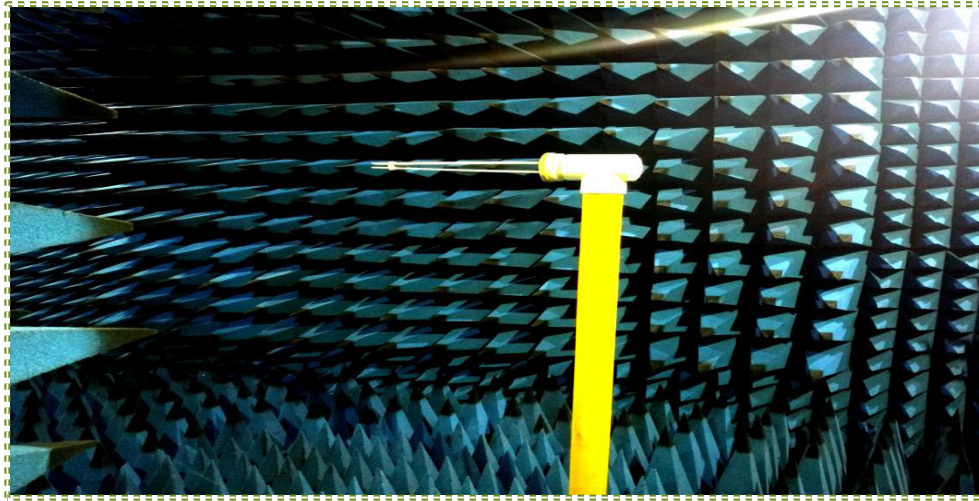
Frequency Range: Bluetooth&WIFI; 2400-2500MHz; 5100-5850MHz

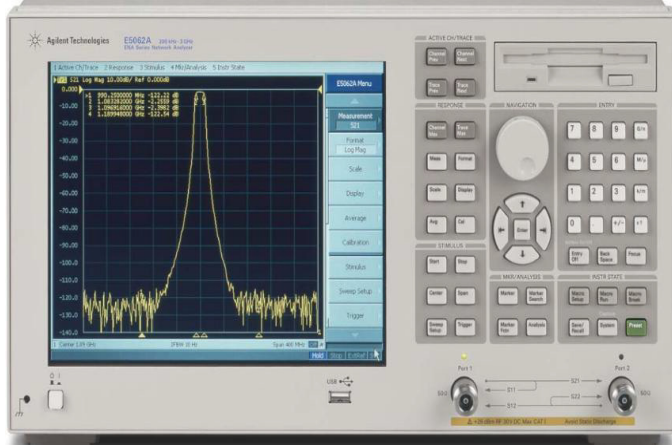
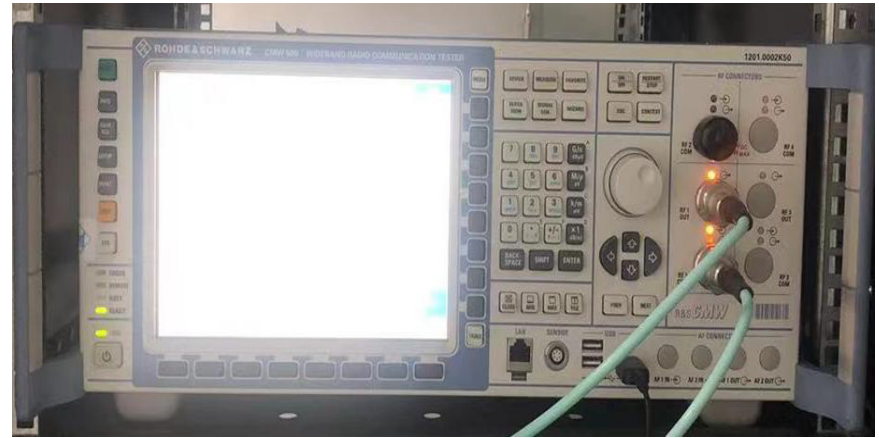
1. Matching circuit



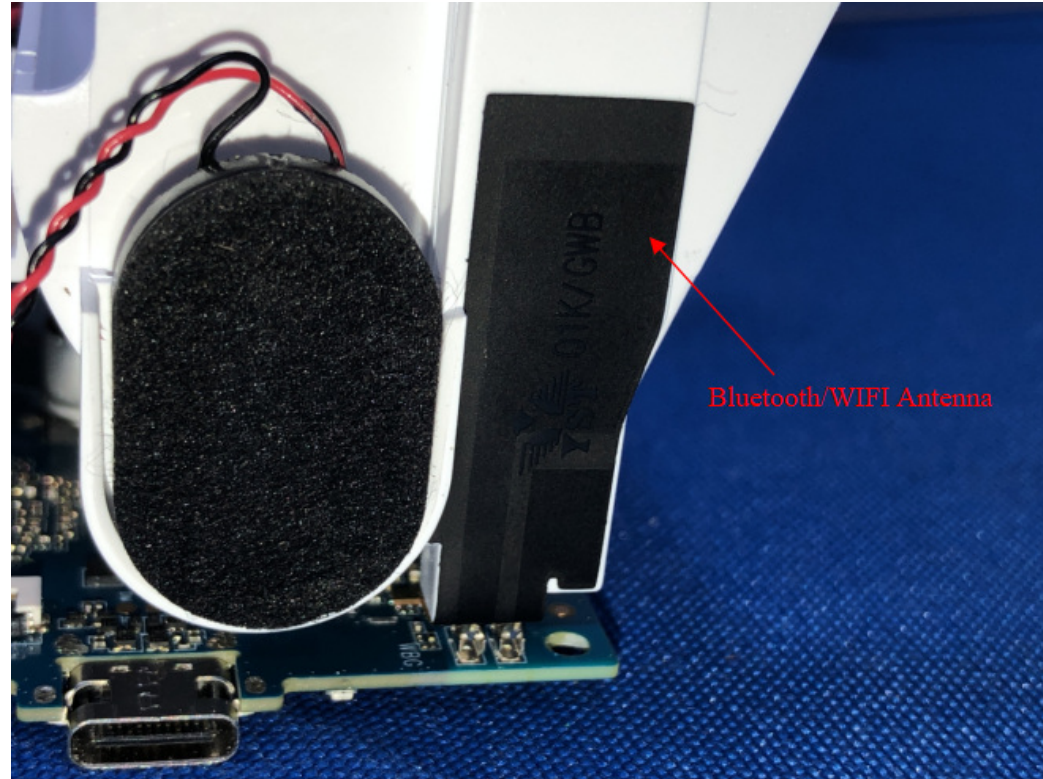
2. Test equipment and test environment

ETS

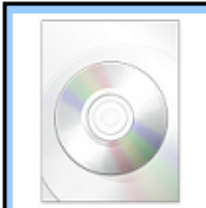




3. Antenna position and size

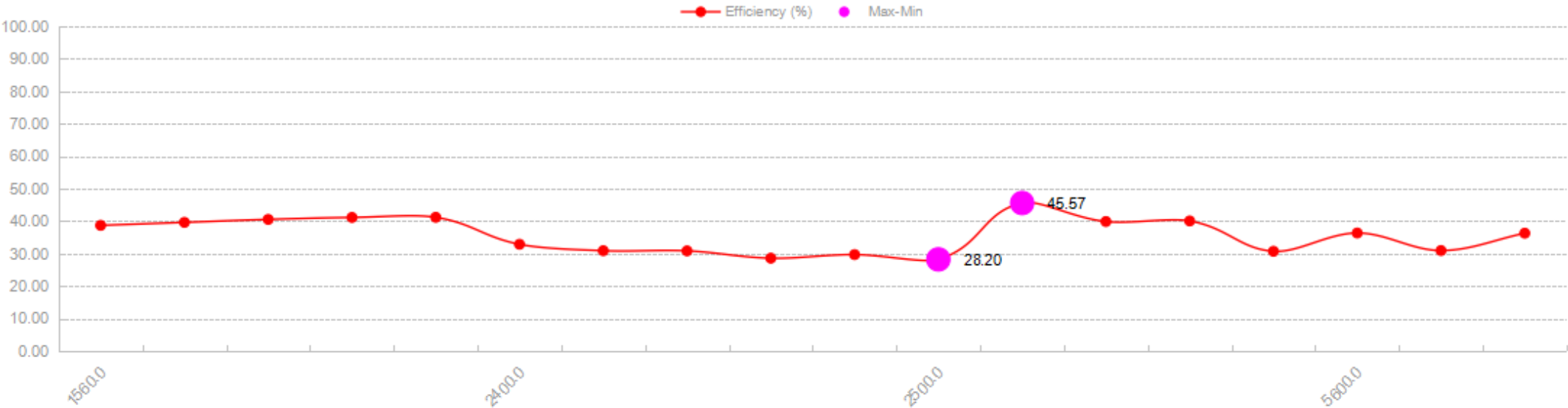


4. Antenna efficiency and Gain

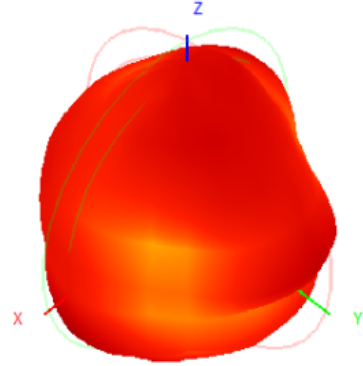


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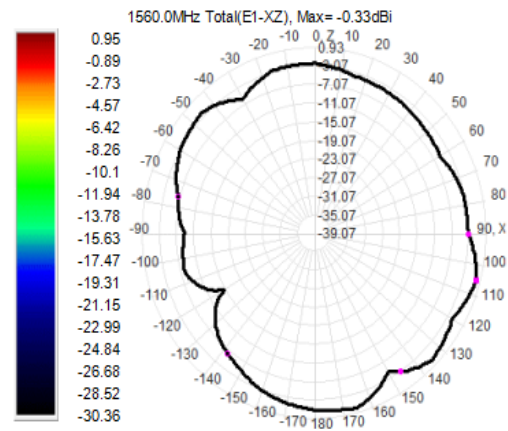
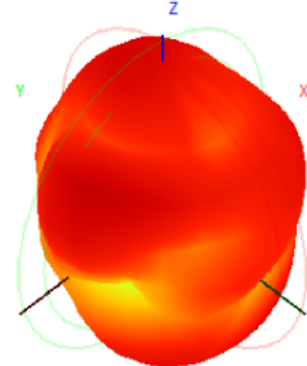
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Frequency (MHz)	1560.0	1565.0	1570.0	1575.0	1580.0	2400.0	2420.0	2440.0	2460.0	2480.0	2500.0	5100.0	5225.0	5350.0	5475.0	5600.0	5725.0	5850.0
Gain (dBi)	0.95	0.98	0.96	0.90	0.90	1.13	1.03	1.51	1.31	1.78	1.82	3.34	3.26	1.87	0.91	1.53	0.92	2.35
Efficiency (%)	38.69	39.61	40.52	41.12	41.17	32.86	30.87	30.83	28.57	29.68	28.20	45.57	39.86	40.05	30.70	36.33	30.93	36.27



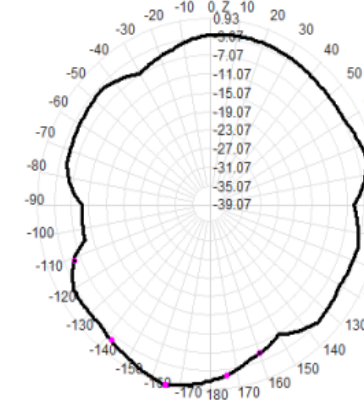
1560.0MHz H+V, Eff: 38.7%



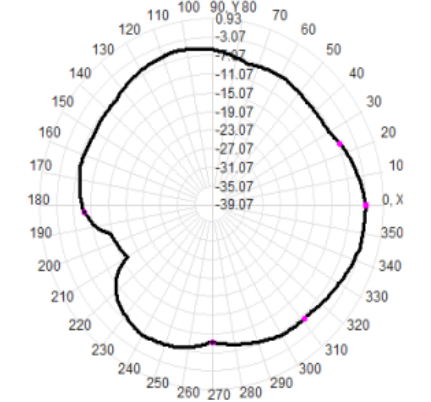
Back View



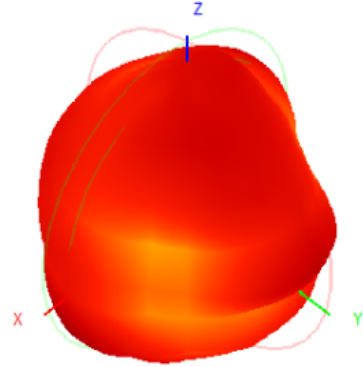
1560.0MHz Total(E2-YZ), Max= 0.93dBi



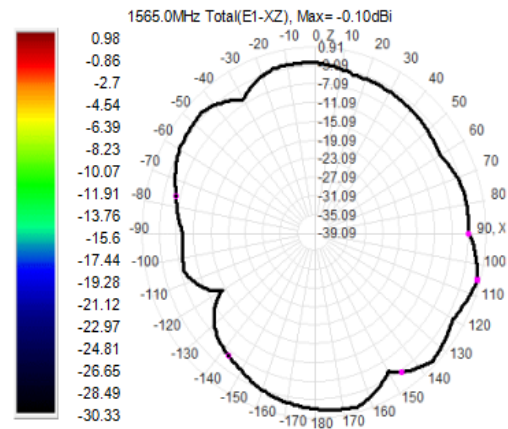
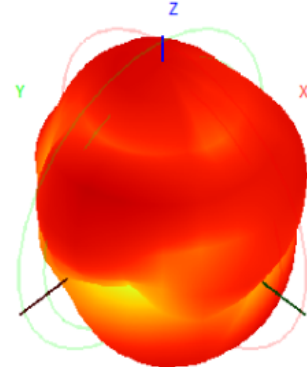
Total(H-XY), Max=-3.53dBi, CirD=13.11



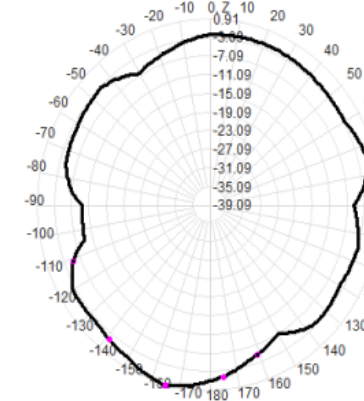
1565.0MHz H+V, Eff: 39.6%



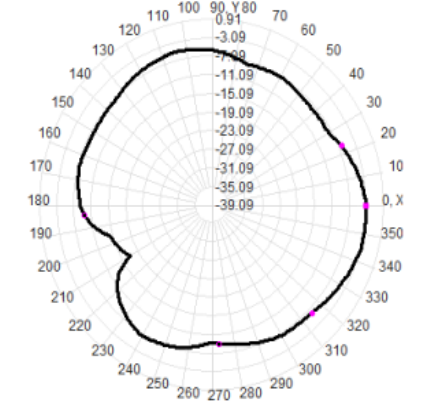
Back View



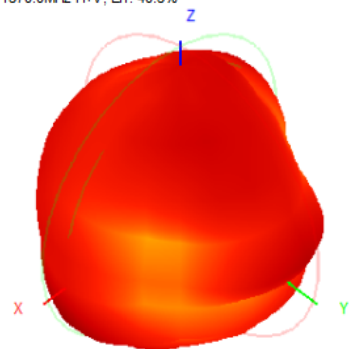
1565.0MHz Total(E2-YZ), Max= 0.91dBi



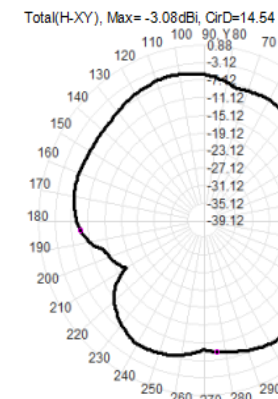
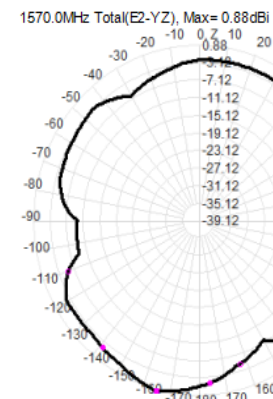
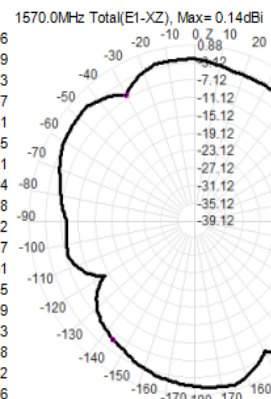
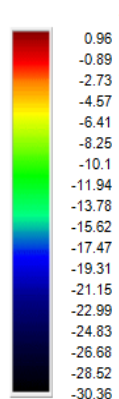
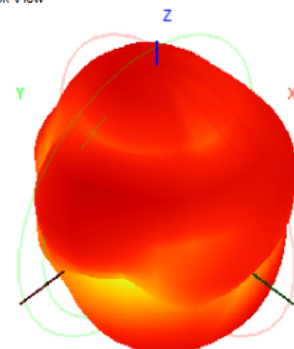
Total(H-XY), Max=-3.35dBi, CirD=13.98



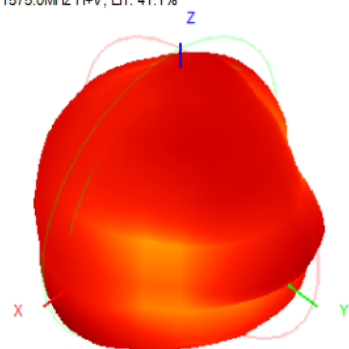
1570.0MHz H+V, Eff: 40.5%



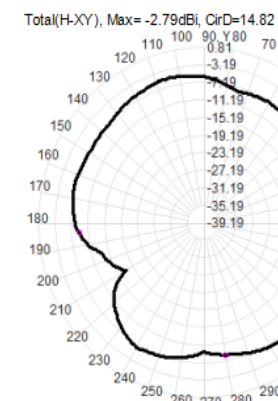
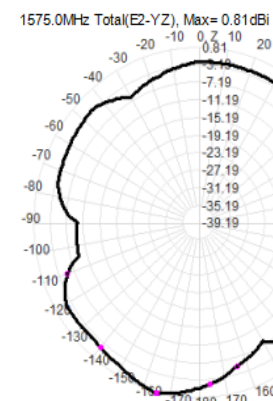
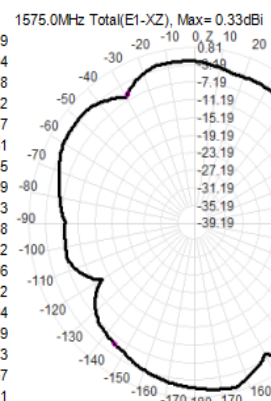
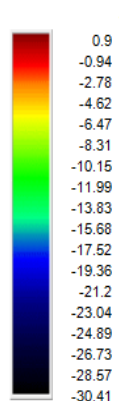
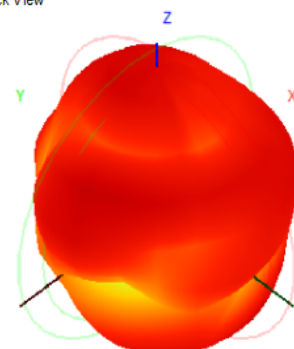
Back View



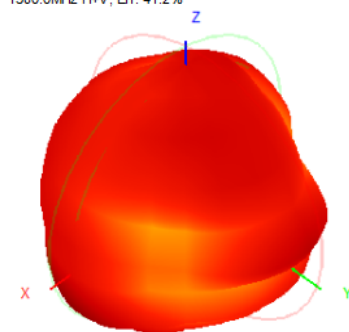
1575.0MHz H+V, Eff: 41.1%



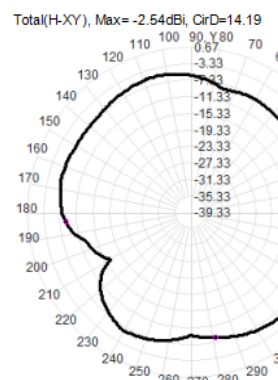
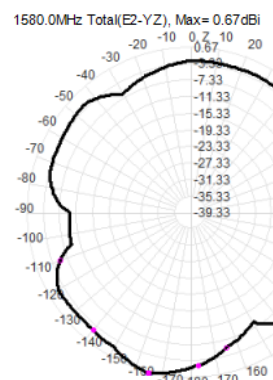
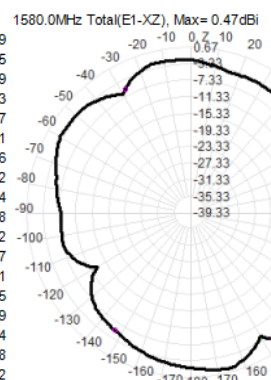
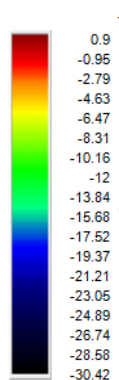
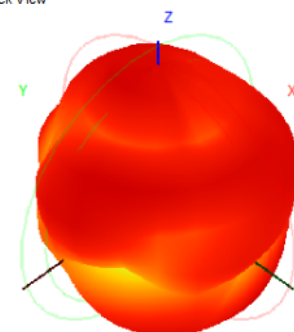
Back View



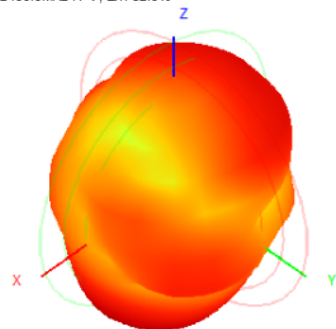
1580.0MHz H+V, Eff: 41.2%



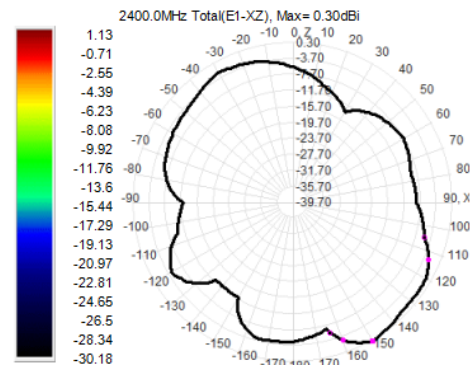
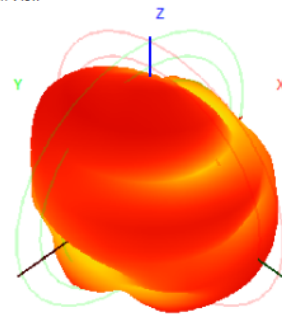
Back View



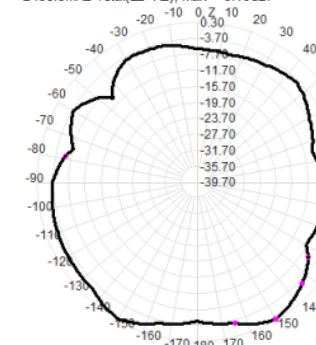
2400.0MHz H+V, Eff: 32.9%



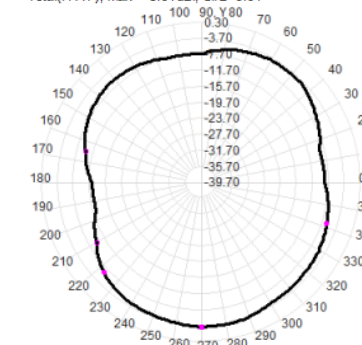
Back View



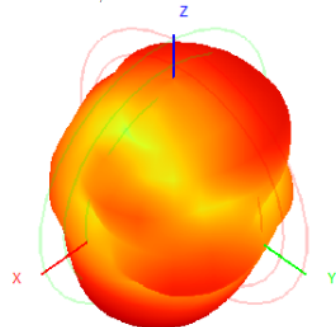
2400.0MHz Total(E2-YZ), Max= -0.18dBi



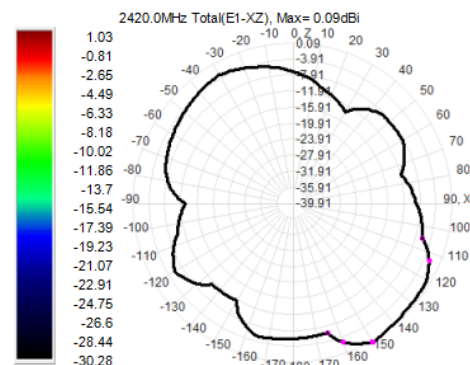
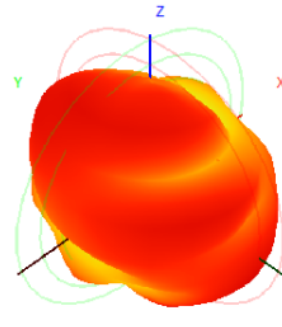
Total(H-XY), Max= -3.61dBi, CirD=9.01



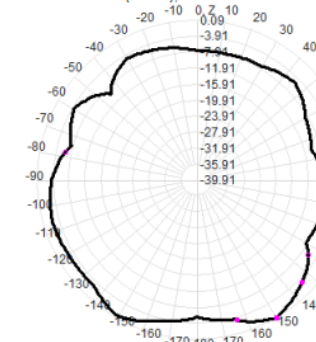
2420.0MHz H+V, Eff: 30.9%



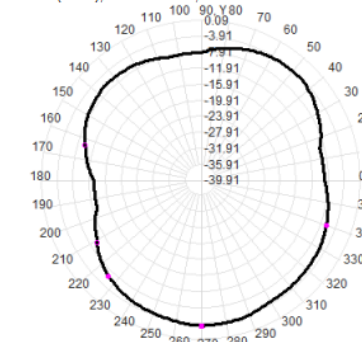
Back View



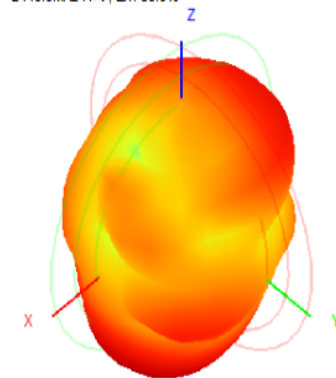
2420.0MHz Total(E2-YZ), Max= -0.30dBi



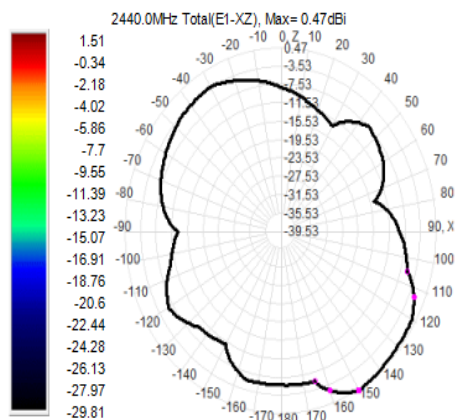
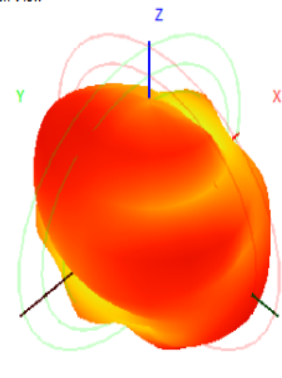
Total(H-XY), Max= -3.59dBi, CirD=9.62



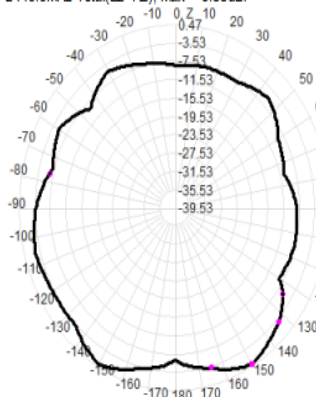
2440.0MHz H+V, Eff: 30.8%



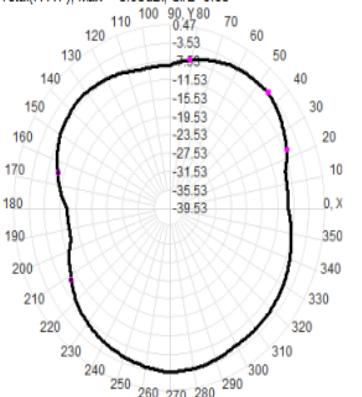
Back View



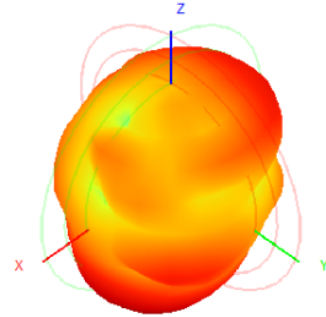
2440.0MHz Total(E2-YZ), Max= -0.33dBi



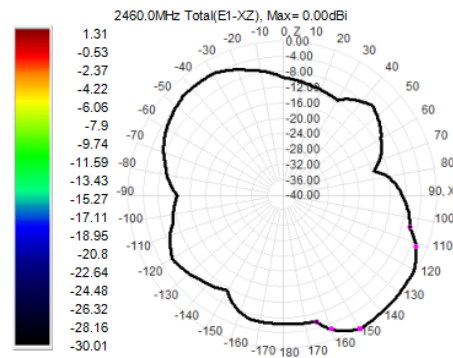
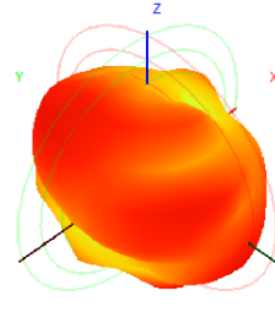
Total(H-XY), Max= -3.85dBi, CirD=9.63



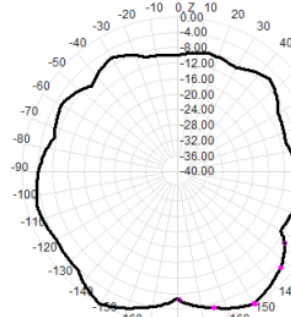
2460.0MHz H+V, Eff: 28.6%



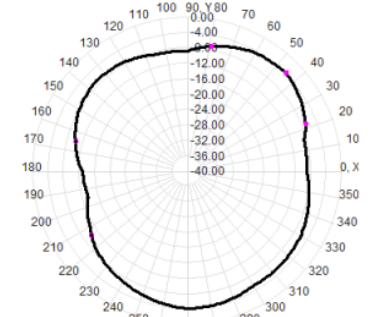
Back View



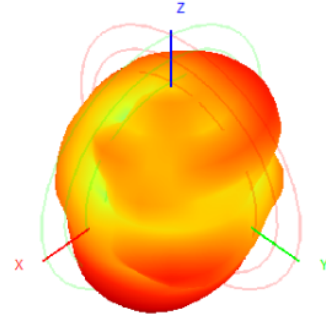
2460.0MHz Total(E2-YZ), Max= -0.34dBi



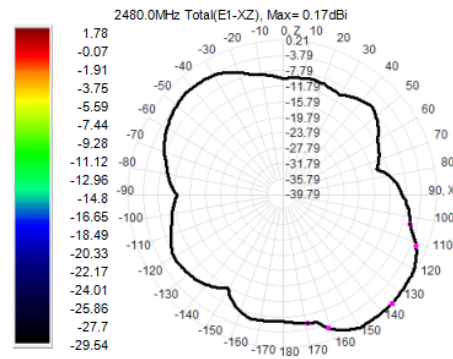
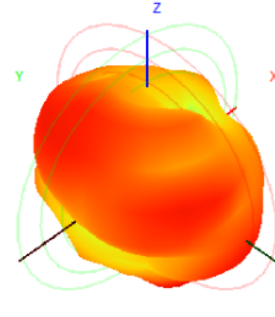
Total(H-XY), Max= -3.99dBi, CirD=9.57



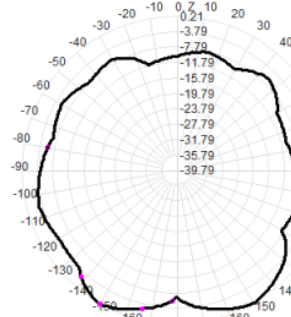
2480.0MHz H+V, Eff: 29.7%



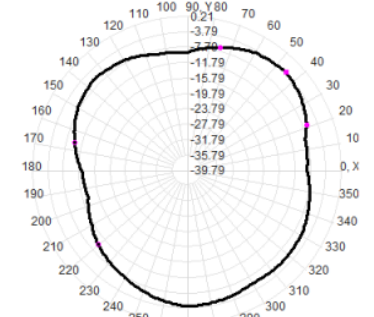
Back View



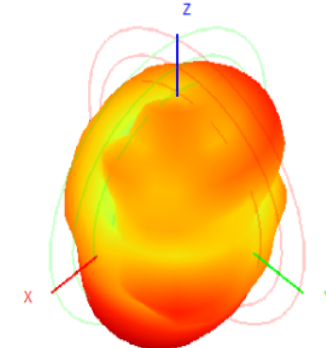
2480.0MHz Total(E2-YZ), Max= 0.21dBi



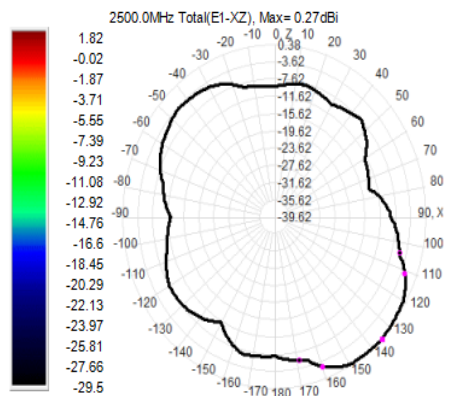
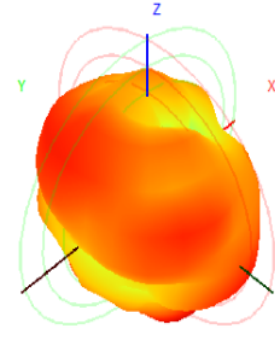
Total(H-XY), Max= -3.77dBi, CirD=9.54



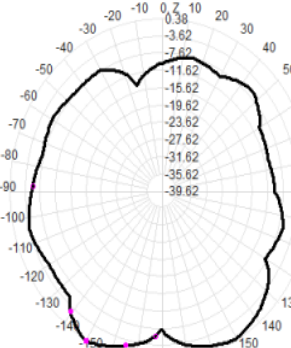
2500.0MHz H+V, Eff: 28.2%



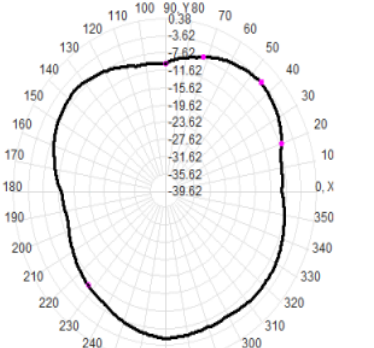
Back View



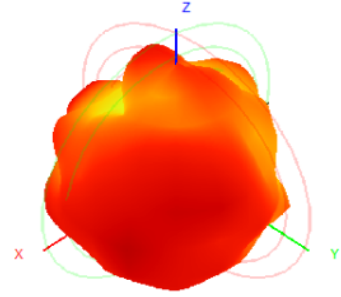
2500.0MHz Total(E2-YZ), Max= 0.38dBi



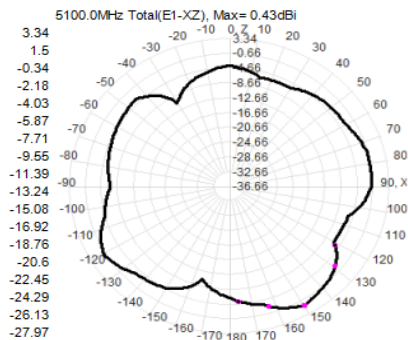
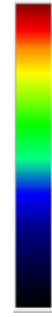
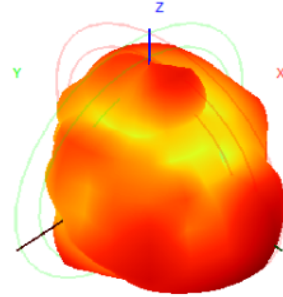
Total(H-XY), Max= -3.94dBi, CirD=9.33



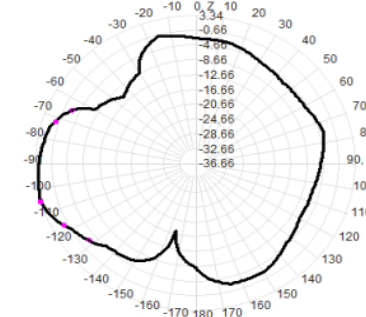
5100.0MHz H+V, Eff: 45.6%



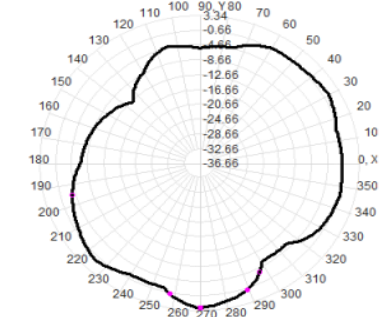
Back View



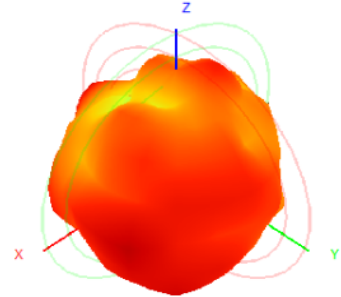
5100.0MHz Total(E2-YZ), Max= 3.34dBi



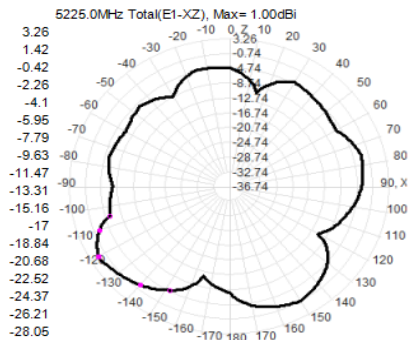
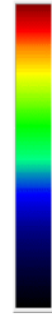
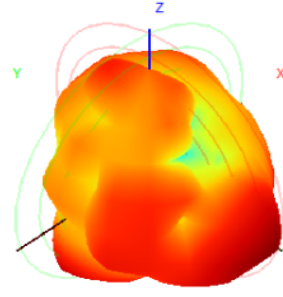
Total(H-XY), Max= 2.39dBi, CirD=15.61



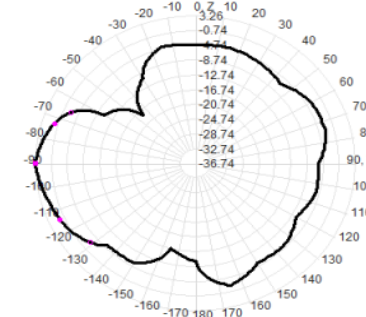
5225.0MHz H+V, Eff: 39.9%



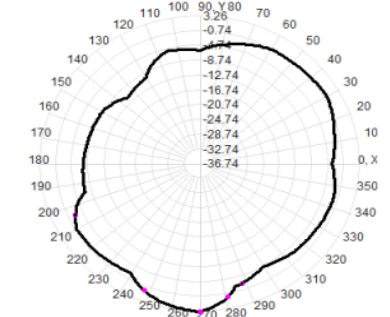
Back View



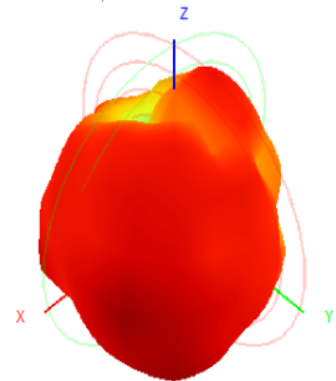
5225.0MHz Total(E2-YZ), Max= 3.26dBi



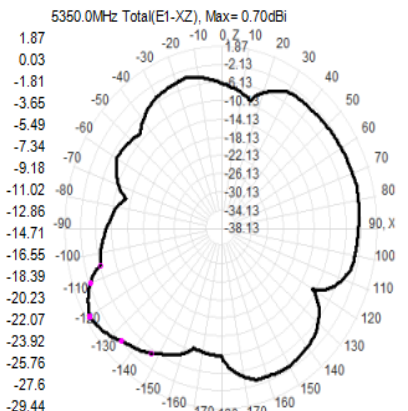
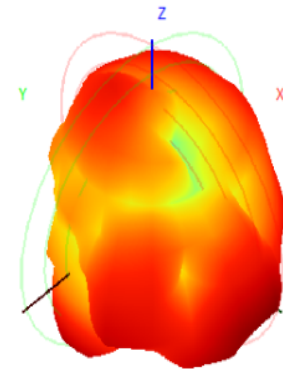
Total(H-XY), Max= 3.26dBi, CirD=14.72



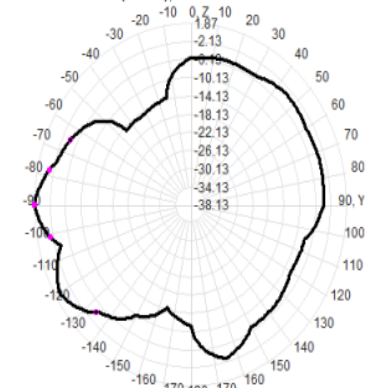
5350.0MHz H+V, Eff: 40.0%



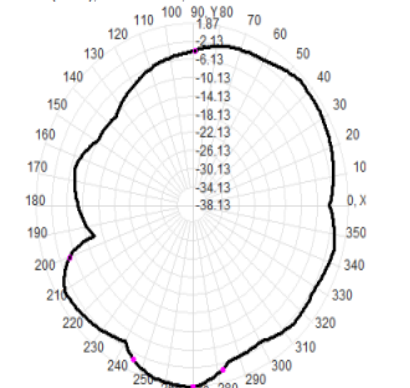
Back View



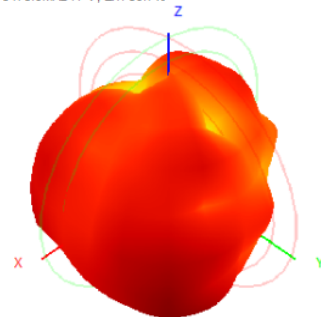
5350.0MHz Total(E2-YZ), Max= 1.87dBi



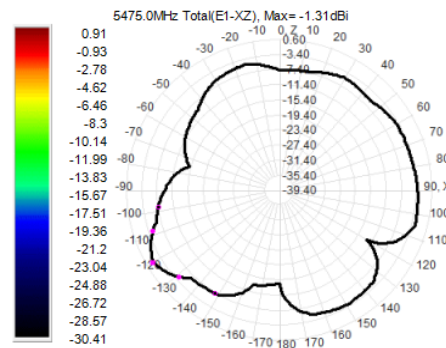
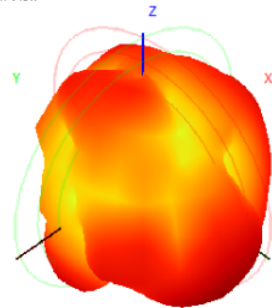
Total(H-XY), Max= 1.87dBi, CirD=14.10



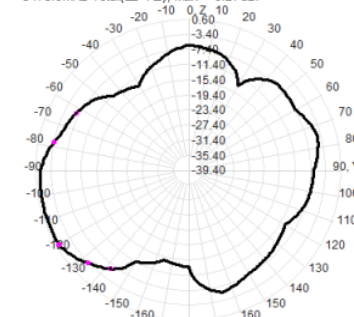
5475.0MHz H+V, Eff: 30.7%



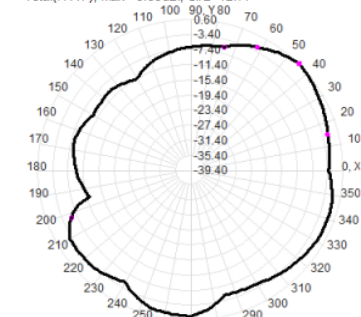
Back View



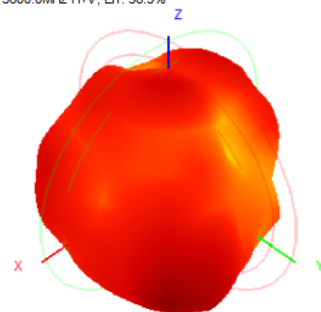
5475.0MHz Total(E2-YZ), Max=-0.27dBi



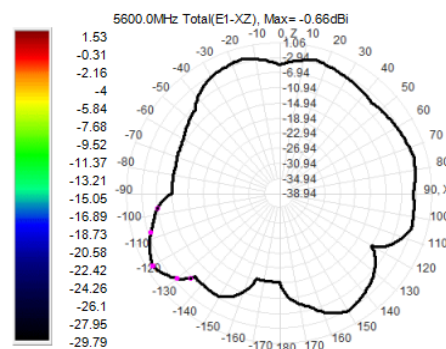
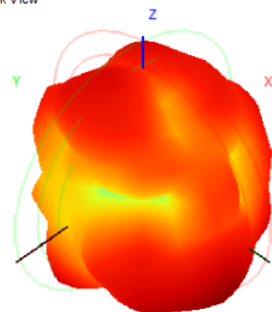
Total(H-XY), Max= 0.60dBi, CirD=12.77



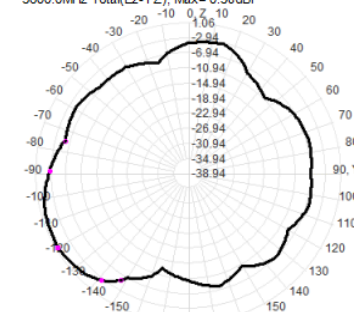
5600.0MHz H+V, Eff: 36.3%



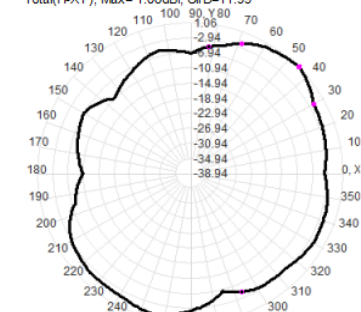
Back View



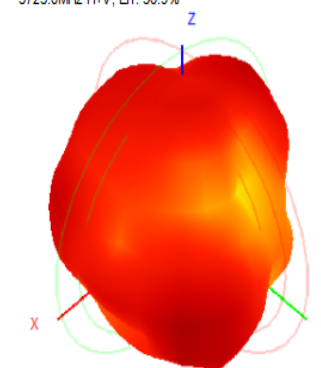
5600.0MHz Total(E2-YZ), Max= 0.38dBi



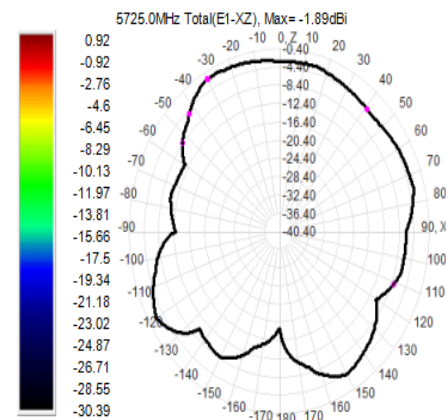
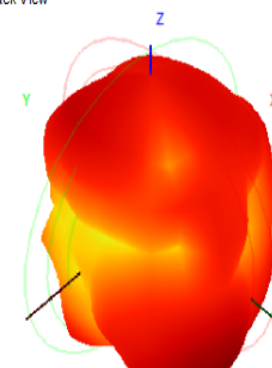
Total(H-XY), Max= 1.06dBi, CirD=11.99



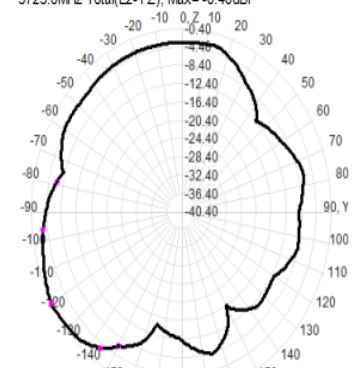
5725.0MHz H+V, Eff: 30.9%



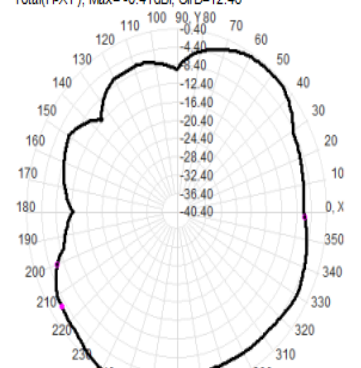
Back View



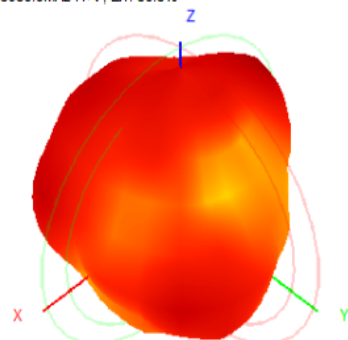
5725.0MHz Total(E2-YZ), Max=-0.40dBi



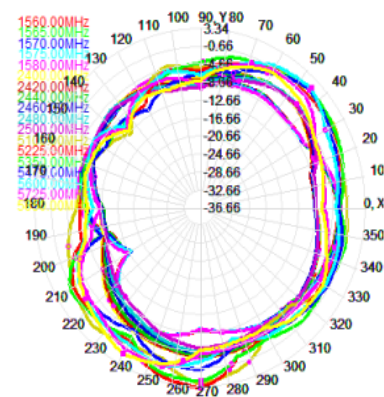
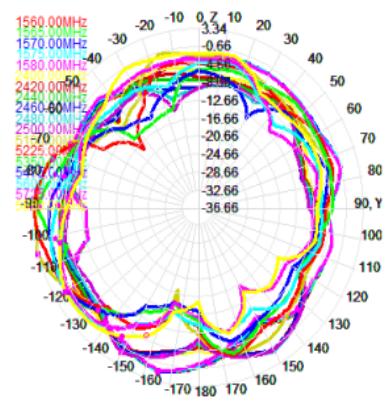
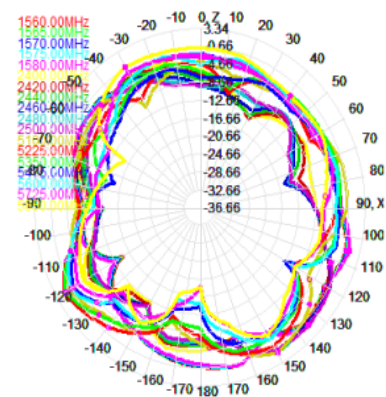
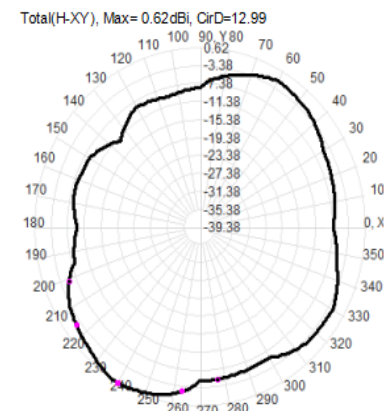
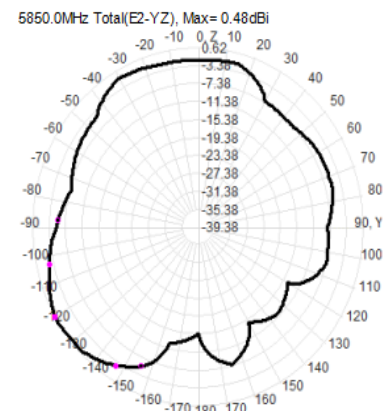
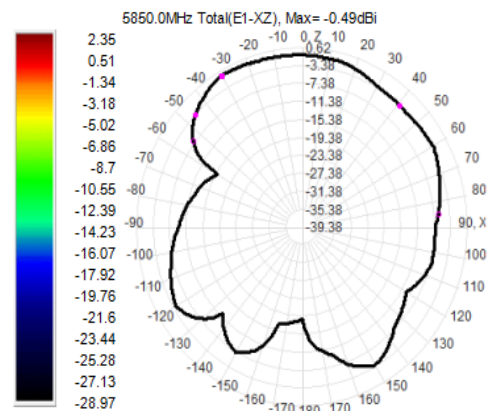
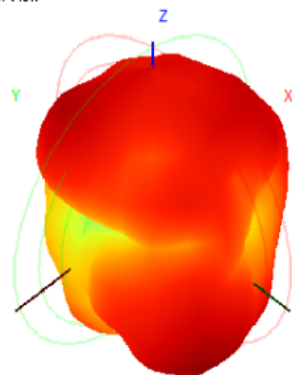
Total(H-XY), Max=-0.41dBi, CirD=12.46



5850.0MHz H+V, Eff: 36.3%



Back View



5. VSWR

