



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 Q2

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

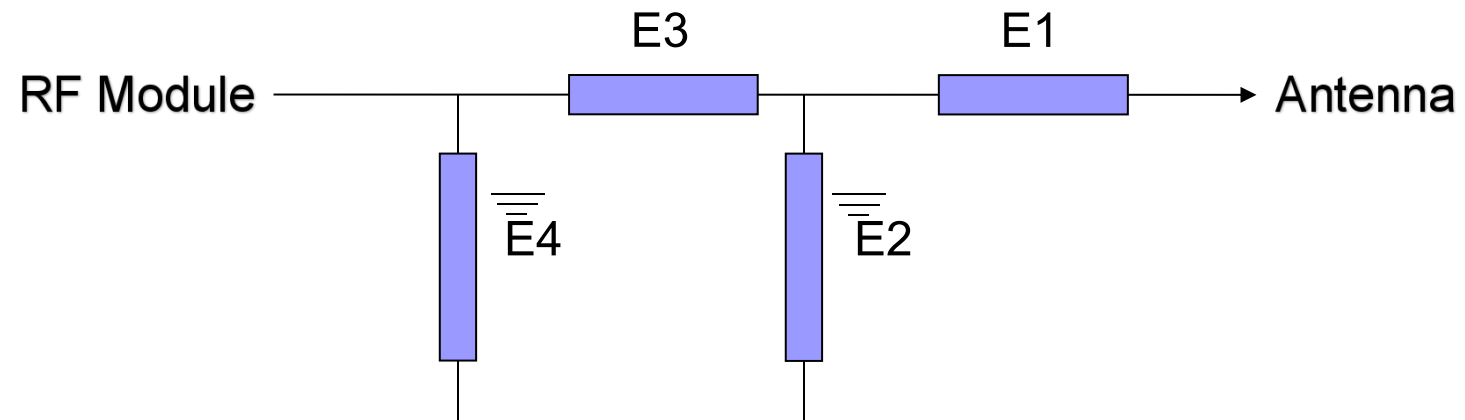
Date: 2025-10-25

Structure mode: FPC

Antenna type: Internal Antenna

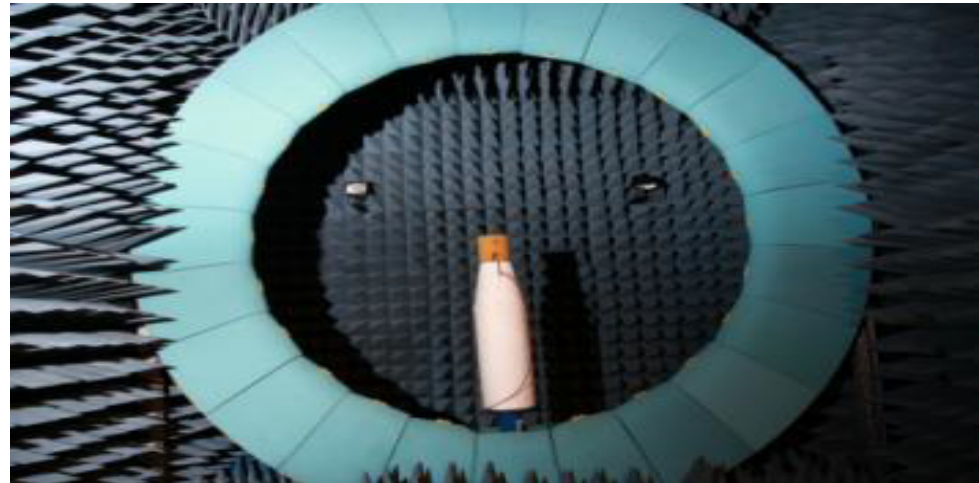
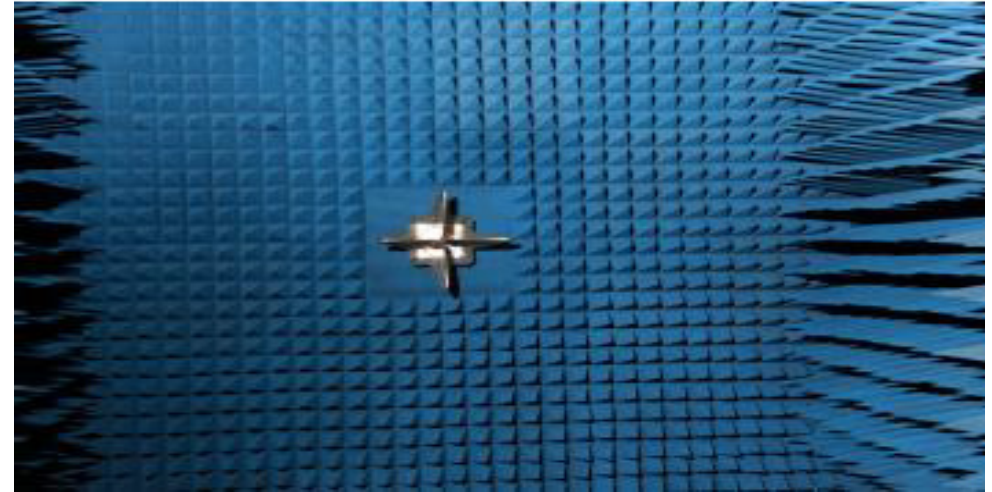
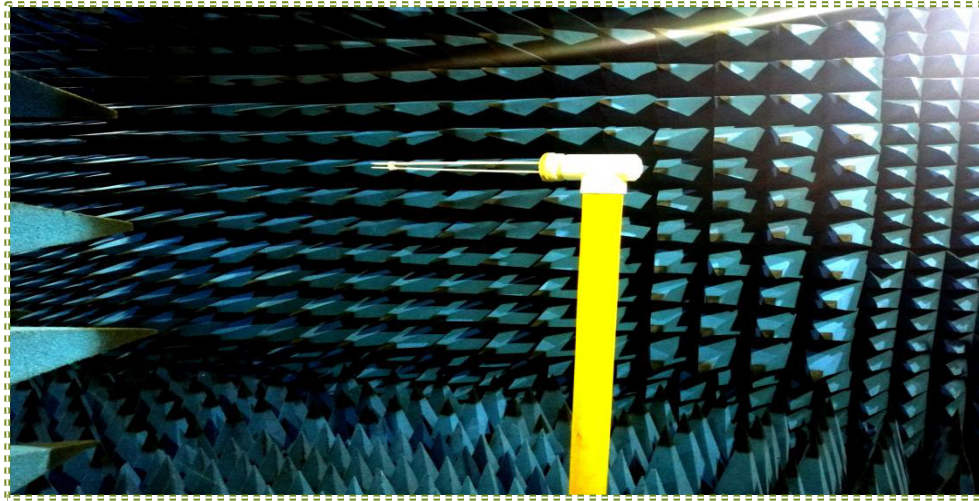
Frequency Range: Bluetooth&WIFI; 2400-2500MHz; 5100-5850MHz

1. Matching circuit

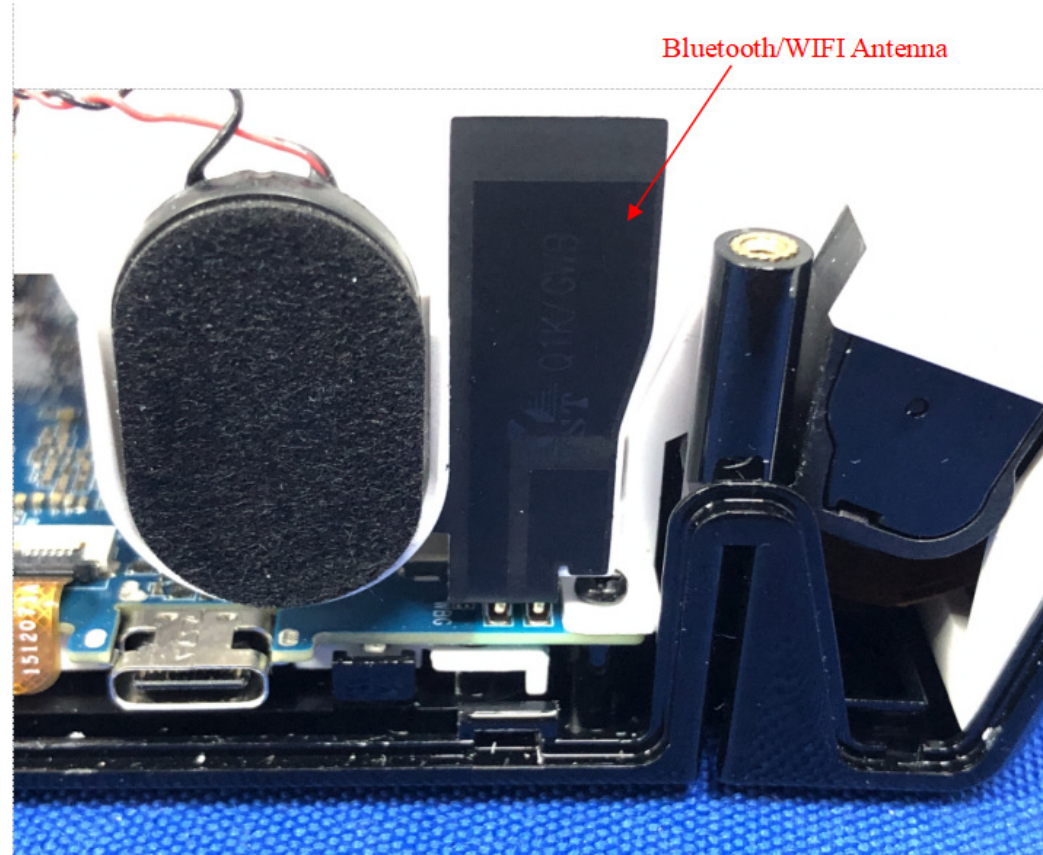


2. Test equipment and test environment

ETS



3. Antenna position and size

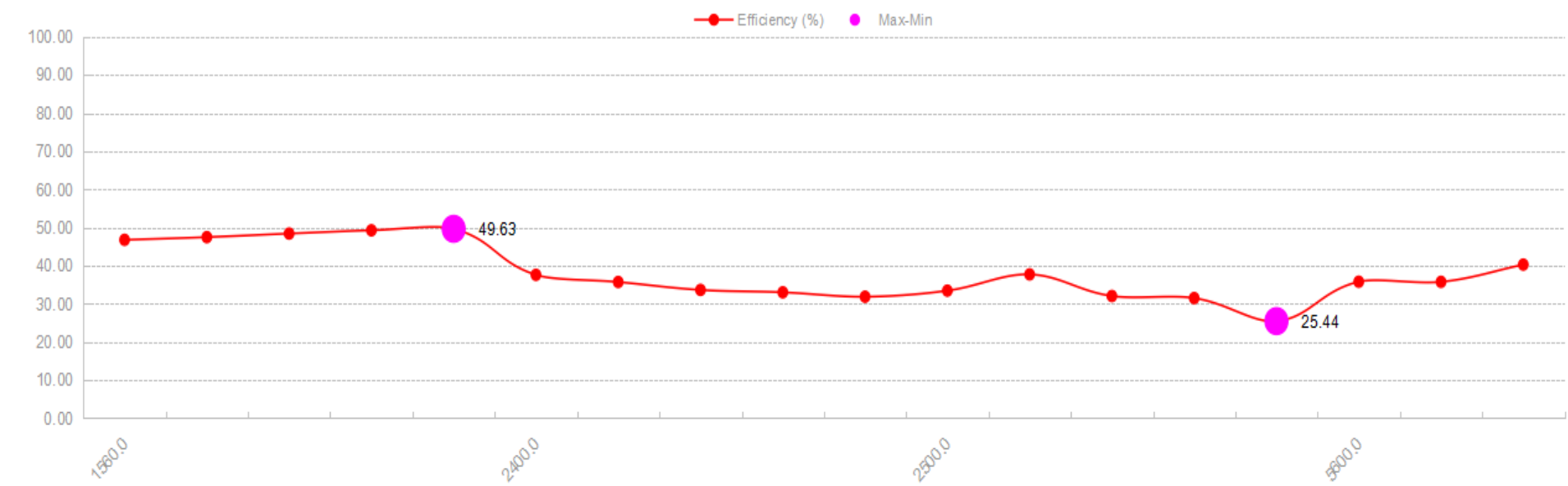


4. Antenna efficiency and Gain

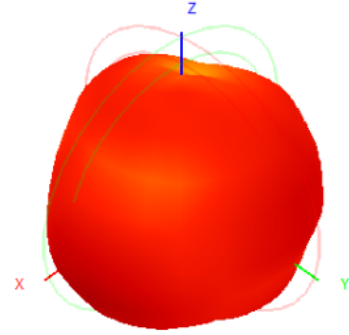


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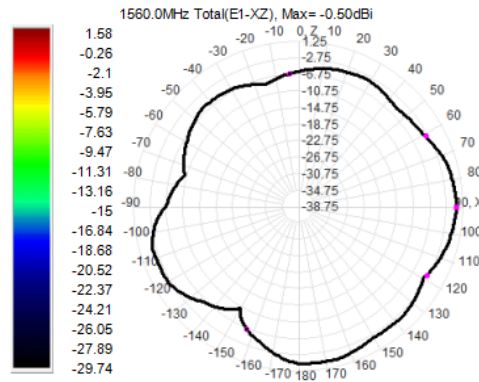
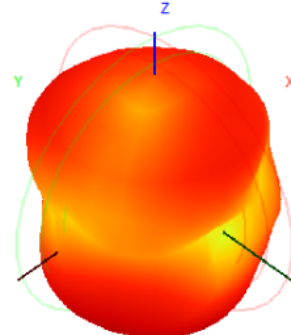
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Frequency (MHz)	1560.0	1565.0	1570.0	1575.0	1580.0	2400.0	2420.0	2440.0	2460.0	2480.0	2500.0	5100.0	5225.0	5350.0	5475.0	5600.0	5725.0	5850.0
Gain (dBi)	1.58	1.66	1.75	1.88	1.91	2.46	2.22	1.93	1.82	1.49	1.35	1.47	1.27	0.96	0.30	1.89	2.28	2.75
Efficiency (%)	46.75	47.46	48.39	49.25	49.63	37.57	35.70	33.62	33.00	31.84	33.43	37.69	32.02	31.49	25.44	35.77	35.73	40.25



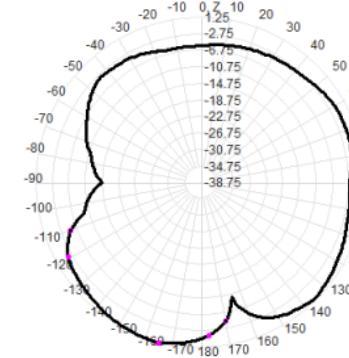
1560.0MHz H+V, Eff: 46.7%



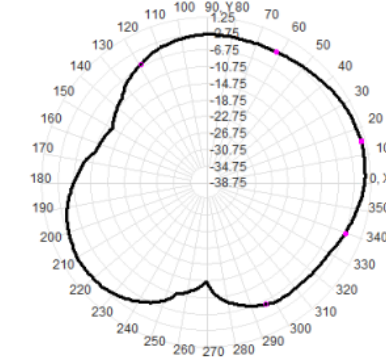
Back View



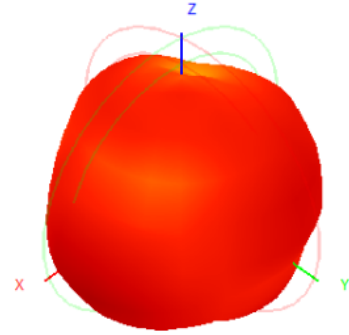
1560.0MHz Total(E2-YZ), Max= 1.25dBi



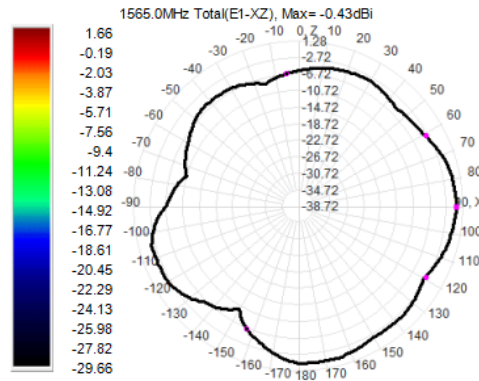
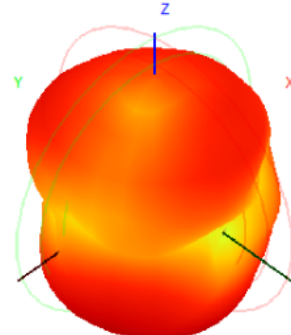
Total(H-XY), Max=-0.01dBi, CirD=14.88



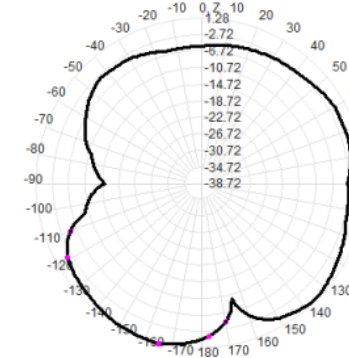
1565.0MHz H+V, Eff: 47.5%



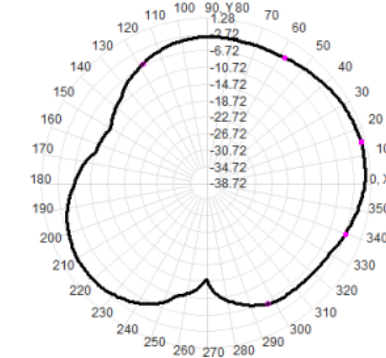
Back View



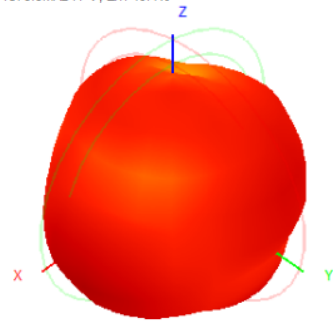
1565.0MHz Total(E2-YZ), Max= 1.28dBi



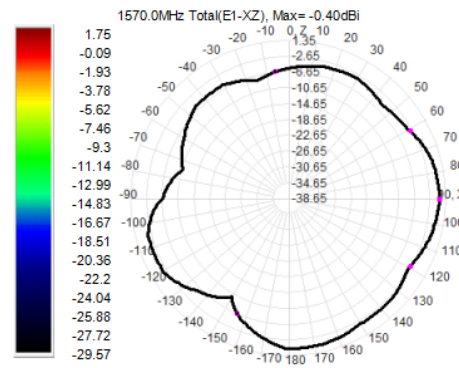
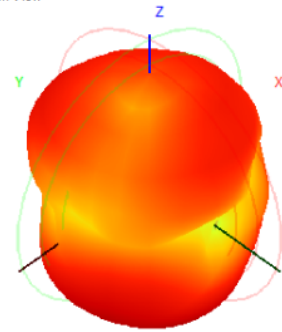
Total(H-XY), Max= 0.03dBi, CirD=15.53



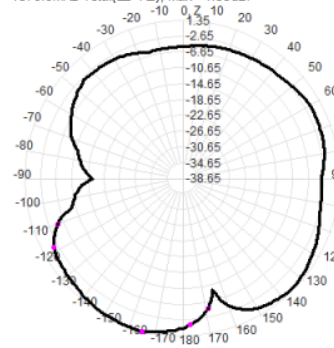
1570.0MHz H+V, Eff: 48.4%



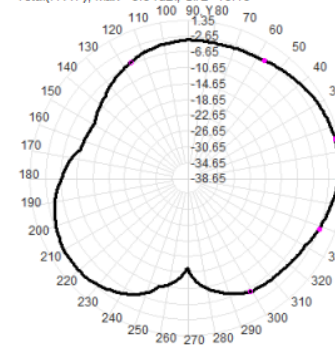
Back View



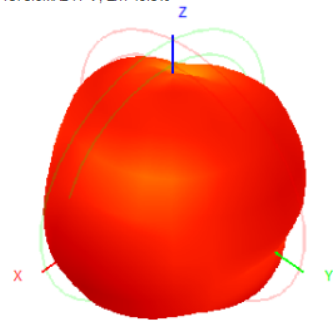
1570.0MHz Total(E2-YZ), Max= 1.35dBi



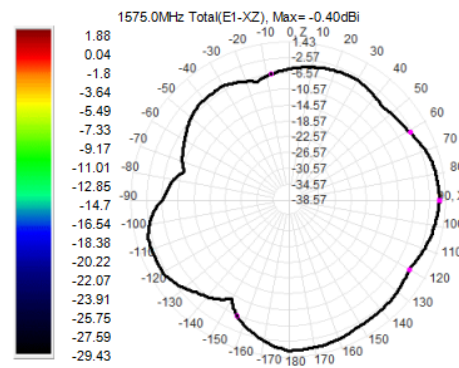
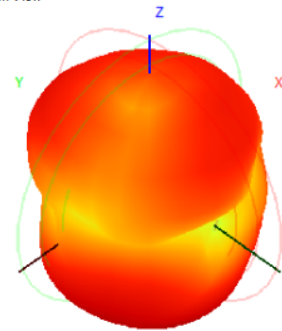
Total(H-XY), Max= 0.04dBi, CirD=16.10



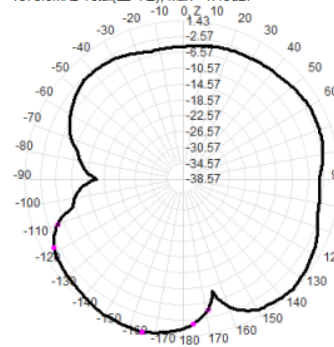
1575.0MHz H+V, Eff: 49.3%



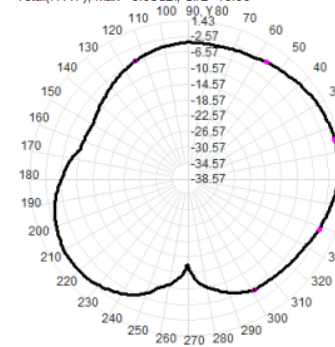
Back View



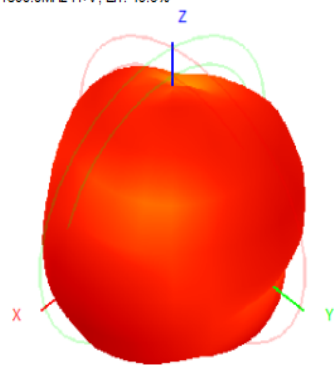
1575.0MHz Total(E2-YZ), Max= 1.43dBi



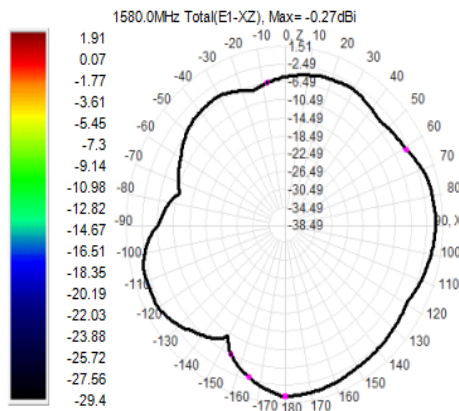
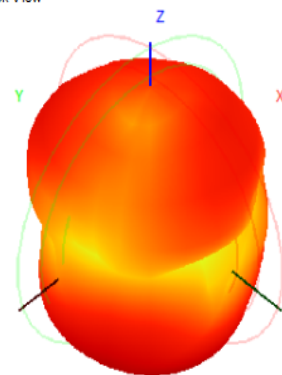
Total(H-XY), Max= 0.03dBi, CirD=16.80



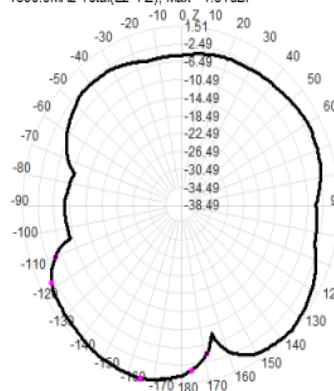
1580.0MHz H+V, Eff: 49.6%



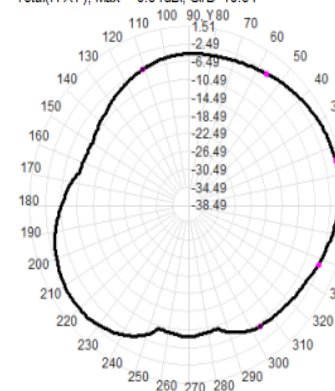
Back View



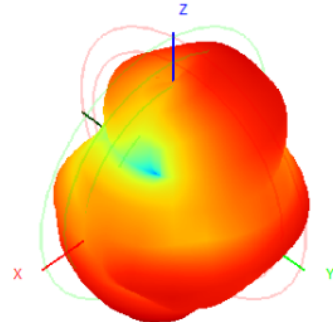
1580.0MHz Total(E2-YZ), Max= 1.51dBi



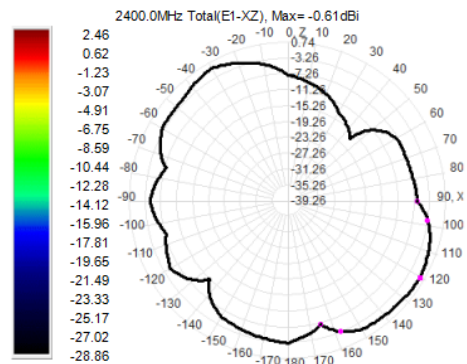
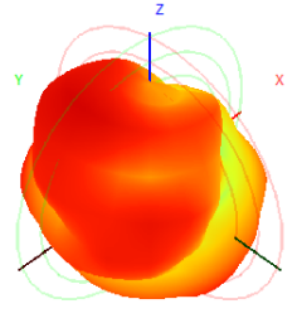
Total(H-XY), Max= -0.04dBi, CirD=10.64



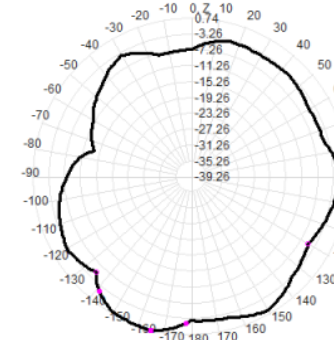
2400.0MHz H+V, Eff: 37.6%



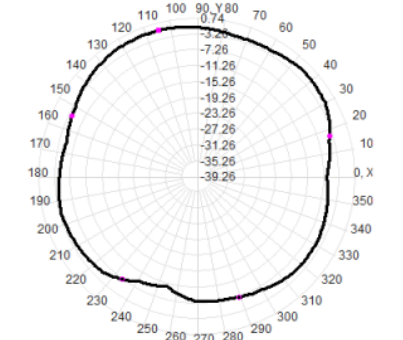
Back View



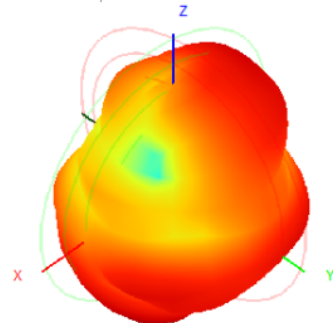
2400.0MHz Total(E2-YZ), Max= 0.74dBi



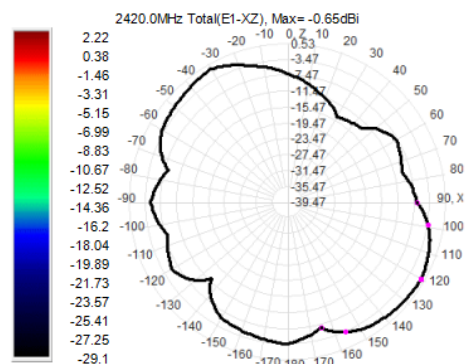
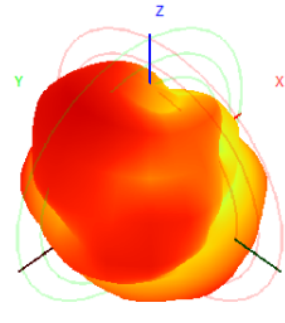
Total(H-XY), Max= -1.13dBi, CirD=9.51



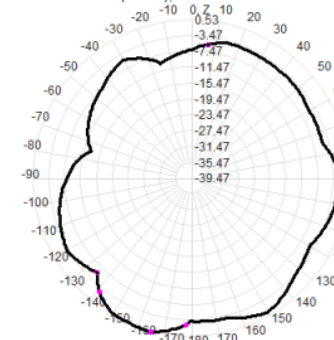
2420.0MHz H+V, Eff: 35.7%



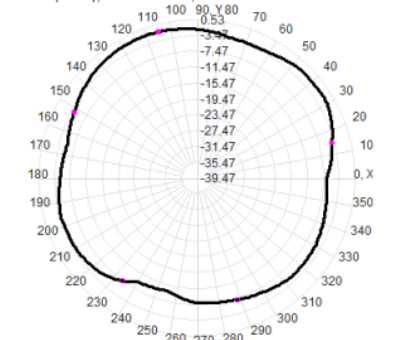
Back View



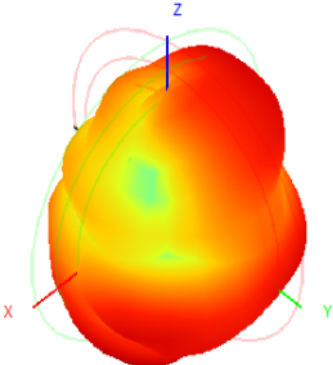
2420.0MHz Total(E2-YZ), Max= 0.53dBi



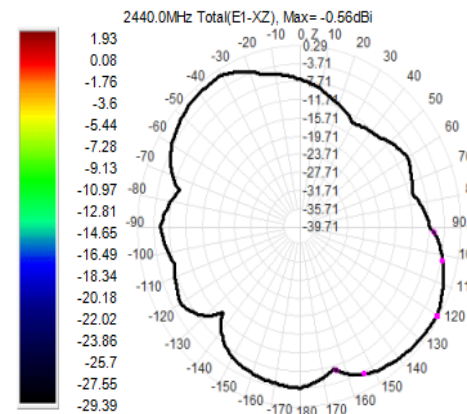
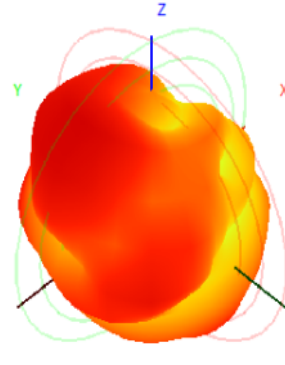
Total(H-XY), Max= -1.30dBi, CirD=8.85



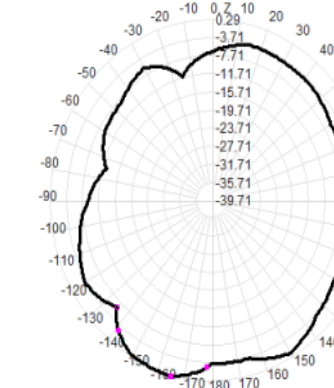
2440.0MHz H+V, Eff: 33.6%



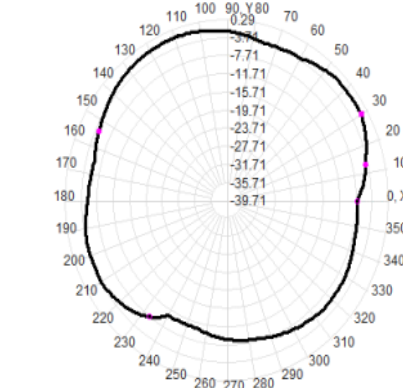
Back View



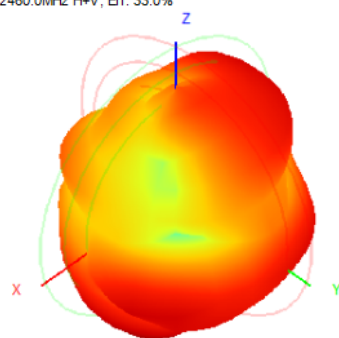
2440.0MHz Total(E2-YZ), Max= 0.29dBi



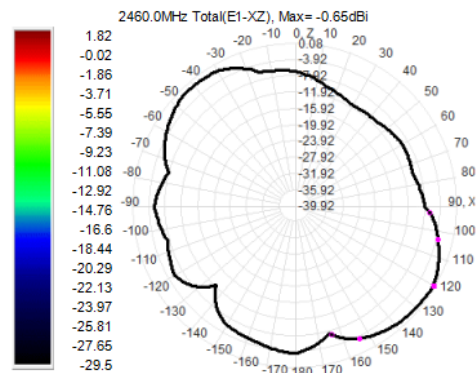
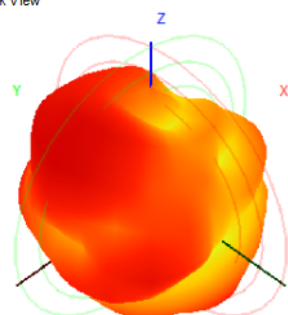
Total(H-XY), Max= -1.52dBi, CirD=9.15



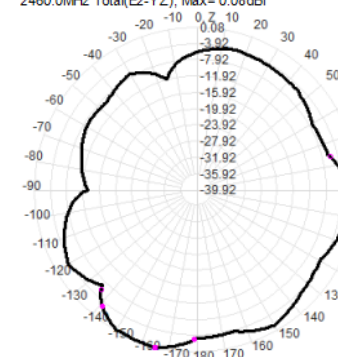
2460.0MHz H+V, Eff: 33.0%



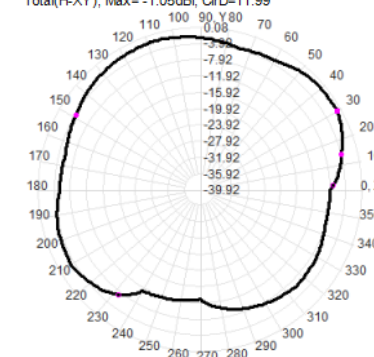
Back View



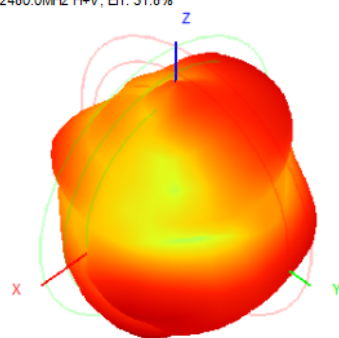
2460.0MHz Total(E2-YZ), Max = 0.08dBi



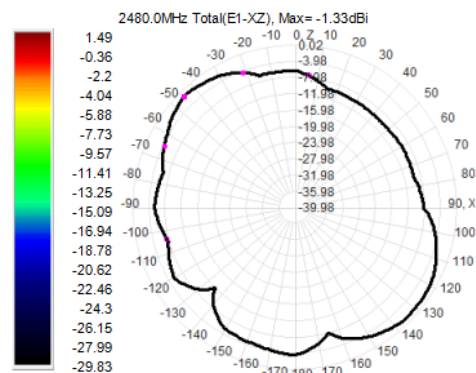
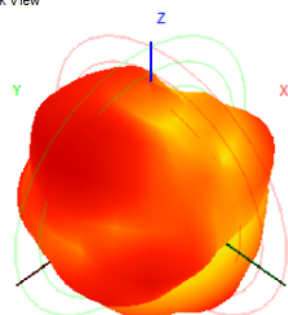
Total(H-XY), Max = -1.05dBi, CirD=11.99



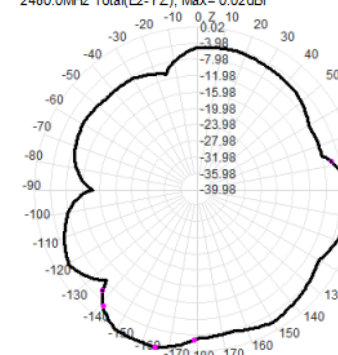
2480.0MHz H+V, Eff: 31.8%



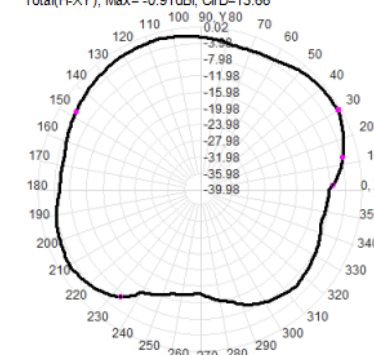
Back View



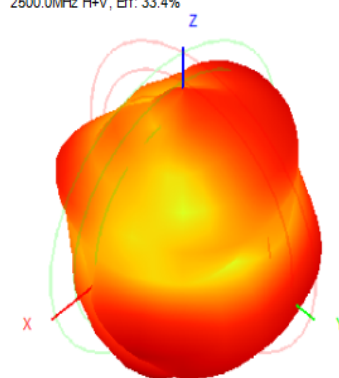
2480.0MHz Total(E2-YZ), Max = 0.02dBi



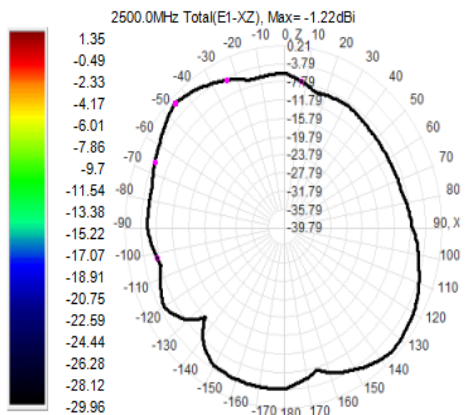
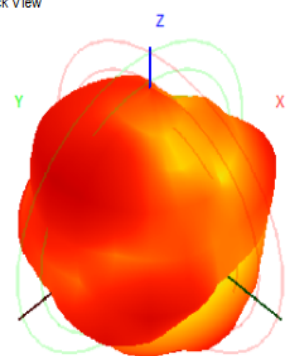
Total(H-XY), Max = -0.91dBi, CirD=13.66



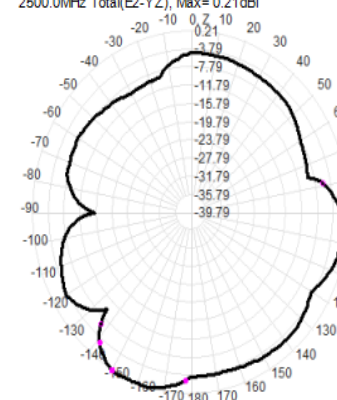
2500.0MHz H+V, Eff: 33.4%



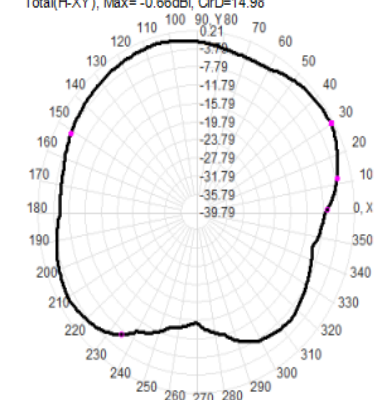
Back View



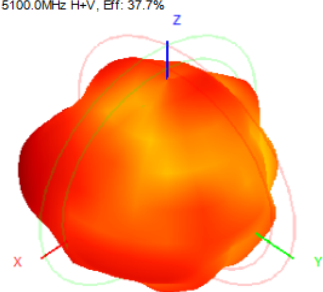
2500.0MHz Total(E2-YZ), Max = 0.21dBi



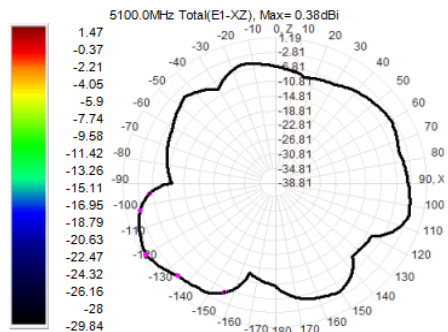
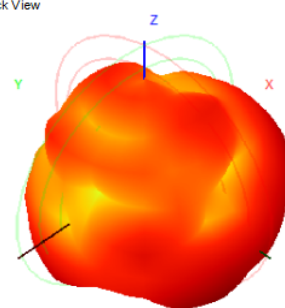
Total(H-XY), Max = -0.66dBi, CirD=14.98



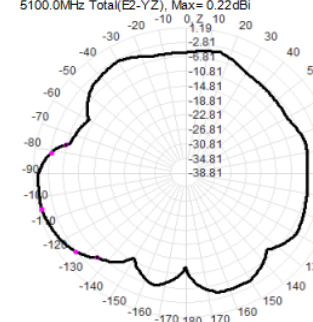
5100.0MHz H+V, Eff: 37.7%



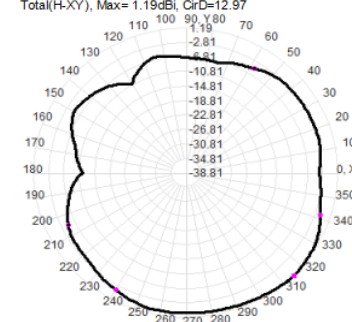
Back View



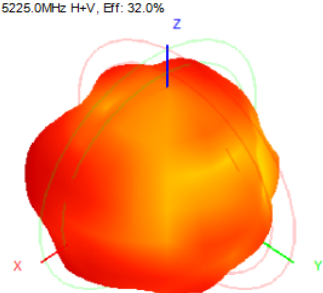
5100.0MHz Total(E2-YZ), Max= 0.22dBi



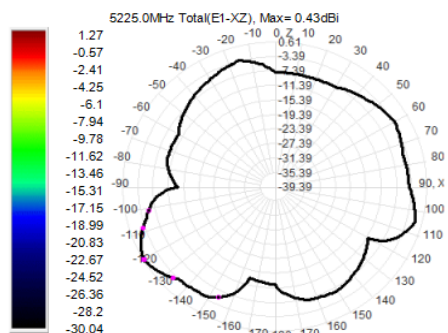
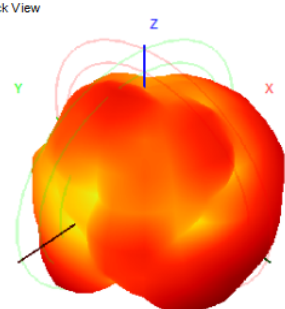
Total(H-XY), Max= 1.19dBi, CirD=12.97



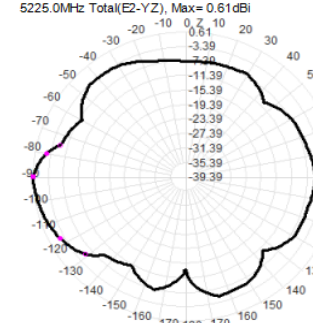
5225.0MHz H+V, Eff: 32.0%



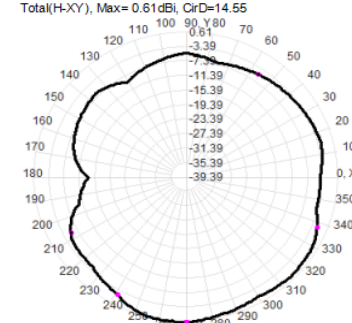
Back View



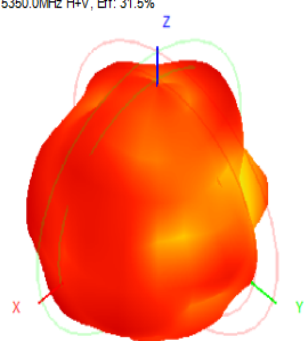
5225.0MHz Total(E2-YZ), Max= 0.61dBi



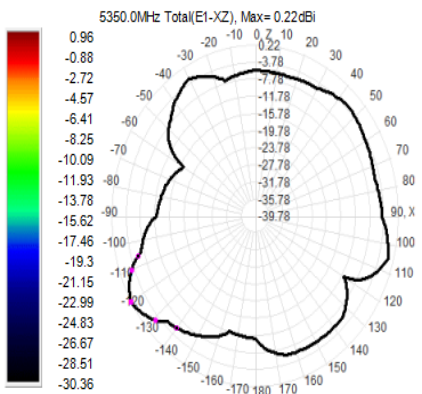
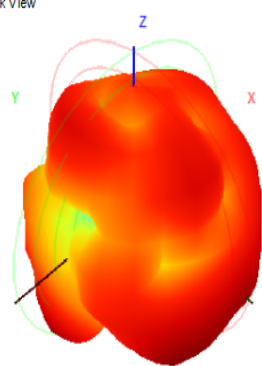
Total(H-XY), Max= 0.61dBi, CirD=14.55



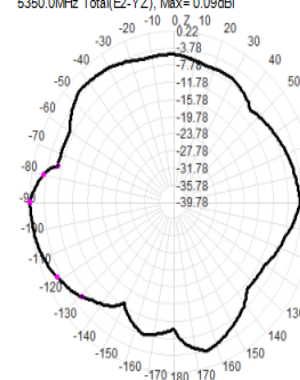
5350.0MHz H+V, Eff: 31.5%



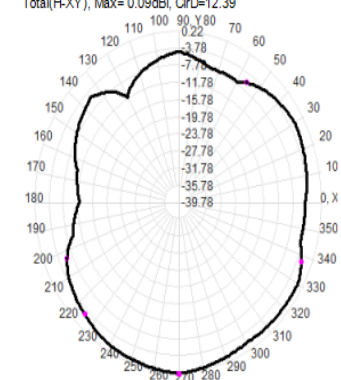
Back View



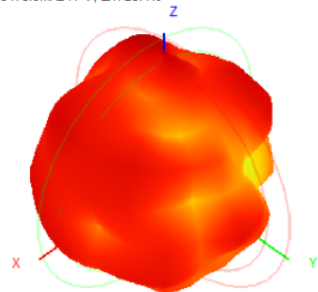
5350.0MHz Total(E2-YZ), Max= 0.09dBi



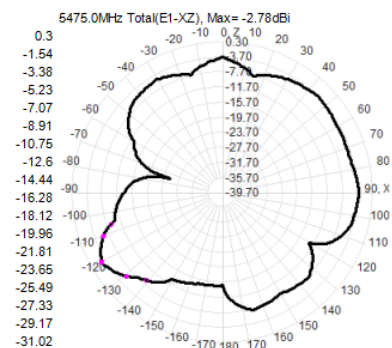
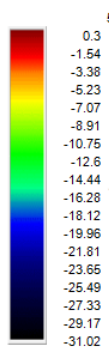
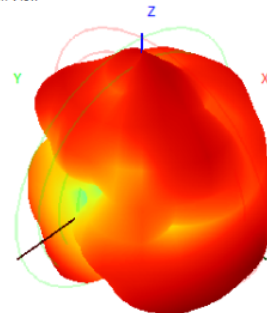
Total(H-XY), Max= 0.09dBi, CirD=12.39



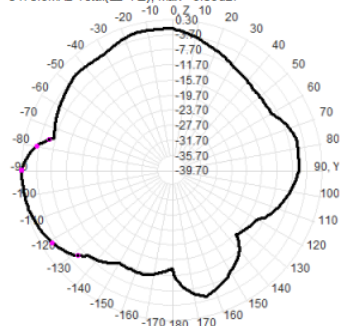
5475.0MHz H+V, Eff: 25.4%



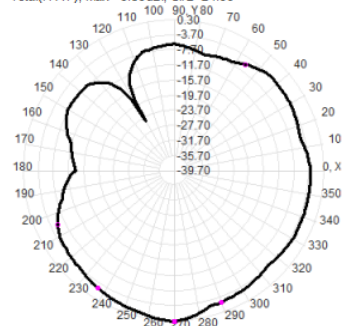
Back View



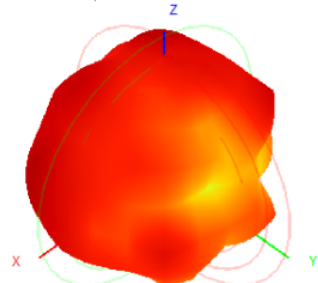
5475.0MHz Total(E2-YZ), Max=0.30dBi



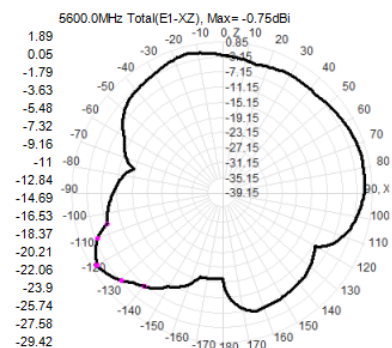
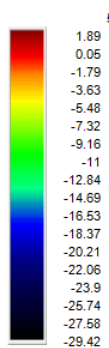
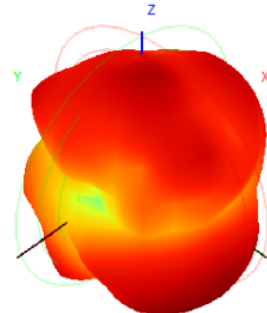
Total(H-XY), Max=0.30dBi, CirD=24.90



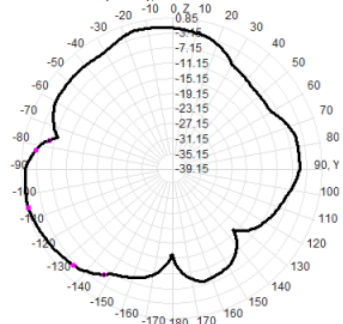
5600.0MHz H+V, Eff: 35.8%



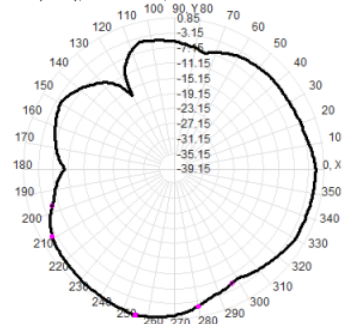
Back View



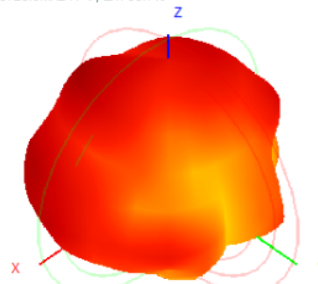
5600.0MHz Total(E2-YZ), Max=0.44dBi



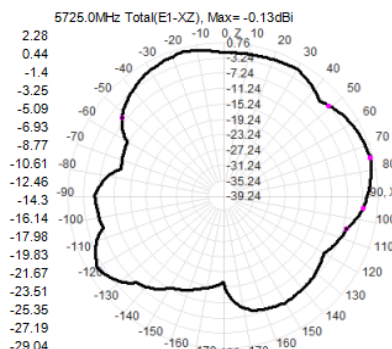
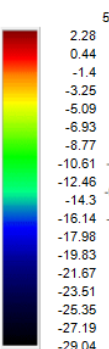
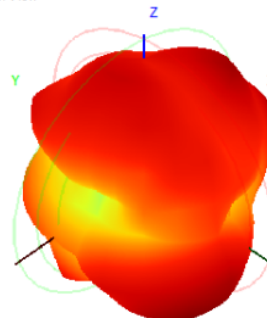
Total(H-XY), Max=0.85dBi, CirD=17.72



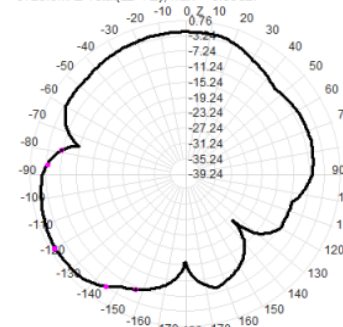
5725.0MHz H+V, Eff: 35.7%



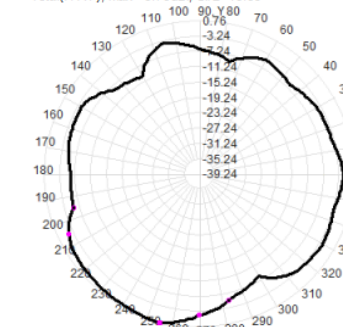
Back View



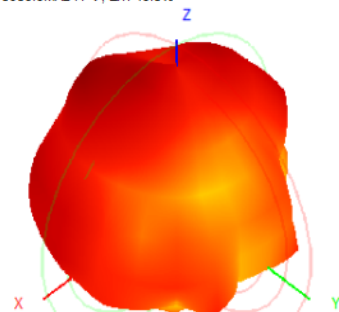
5725.0MHz Total(E2-YZ), Max=-0.59dBi



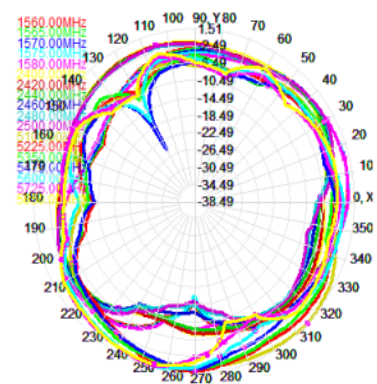
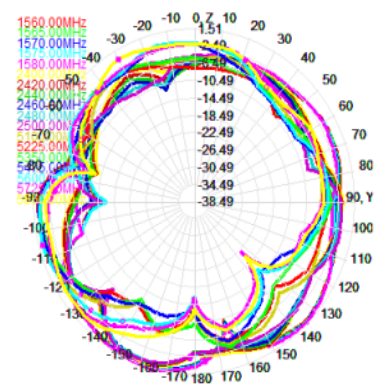
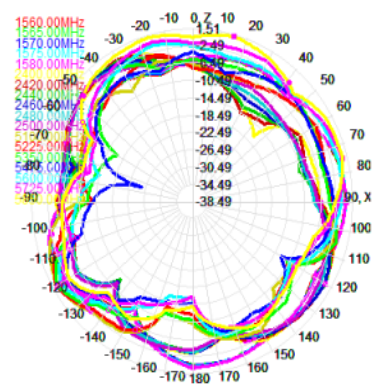
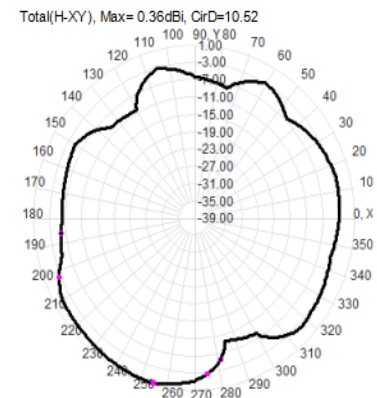
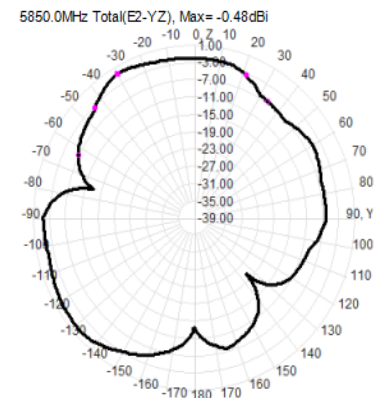
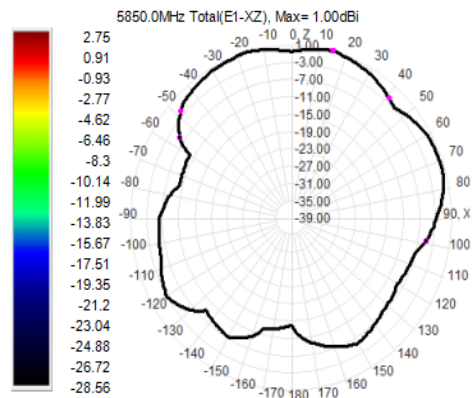
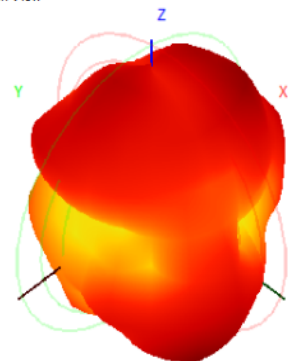
Total(H-XY), Max=0.76dBi, CirD=10.69



5850.0MHz H+V, Eff: 40.3%



Back View



5. VSWR

