

# eero Model Number T010001 Antenna Report

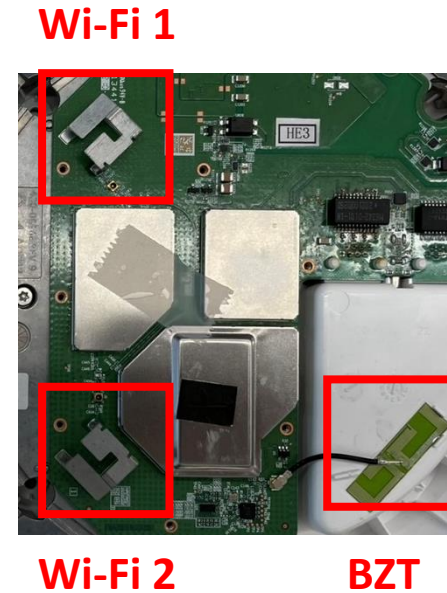
Rev. 3

2022/08/31

eero

# Information

- Owner Company: Luxshare-ICT
- Antenna Model:
  - 833-01301 (Wi-Fi 1)
  - 833-01302 (Wi-Fi 2)
  - 833-01303-7 (BZT)
- Antenna Type:
  - WiFi1: Stamping PIFA
  - WiFi2: Stamping PIFA
  - BZT: FPC Dipole
- Support Bands
  - Both of Wi-Fi1 and Wi-Fi 2 antennas supporting:
    - 2.4G: 2400-2500 MHz
    - 5G: 5150-5950 MHz
  - BZT antenna supporting:
    - 2.4G: 2400-2500 MHz



# Gain Table - WiFi

- Gain for both antennas:

Gain Table of Wi-Fi 2.4GHz

Frequency	WiFi1	WiFi2	Corr	Uncorr
2400	2.33	2.25	4.94	1.93
2410	2.74	2.24	5.24	2.24
2420	2.92	2.44	5.47	2.47
2430	3.18	3.18	5.73	2.73
2440	3.19	3.64	5.69	2.69
2450	2.90	3.73	5.37	2.37
2460	2.66	3.81	5.12	2.13
2470	2.58	3.81	5.00	2.01
2480	2.15	3.40	4.62	1.65
2490	1.88	2.96	4.25	1.29
2500	1.87	2.97	4.13	1.18

- All the results were measured in anechoic chamber.

Gain Table of Wi-Fi 5GHz

Frequency	WiFi1	WiFi2	Corr	Uncorr
5000	4.98	4.51	6.83	3.91
5050	4.56	4.74	6.91	3.93
5100	4.98	4.51	7.25	4.28
5150	5.50	4.77	7.88	4.90
5200	4.69	4.93	7.31	4.31
5250	4.87	4.86	7.27	4.29
5300	5.25	4.87	7.34	4.38
5350	4.84	4.28	6.32	3.42
5400	4.69	4.45	6.56	3.58
5450	4.65	4.62	6.76	3.81
5500	4.36	4.55	6.48	3.52
5550	4.58	4.81	6.61	3.64
5600	4.63	4.86	6.43	3.64
5650	4.32	4.67	6.14	3.23
5700	4.78	4.50	6.21	3.33
5750	4.59	4.45	6.48	3.48
5800	5.18	4.59	6.75	3.85
5850	5.30	4.63	6.85	3.95
5900	4.42	4.40	6.75	3.76
5950	4.66	4.08	6.57	3.64
6000	4.65	4.02	6.31	3.31

# Gain Table - BZT

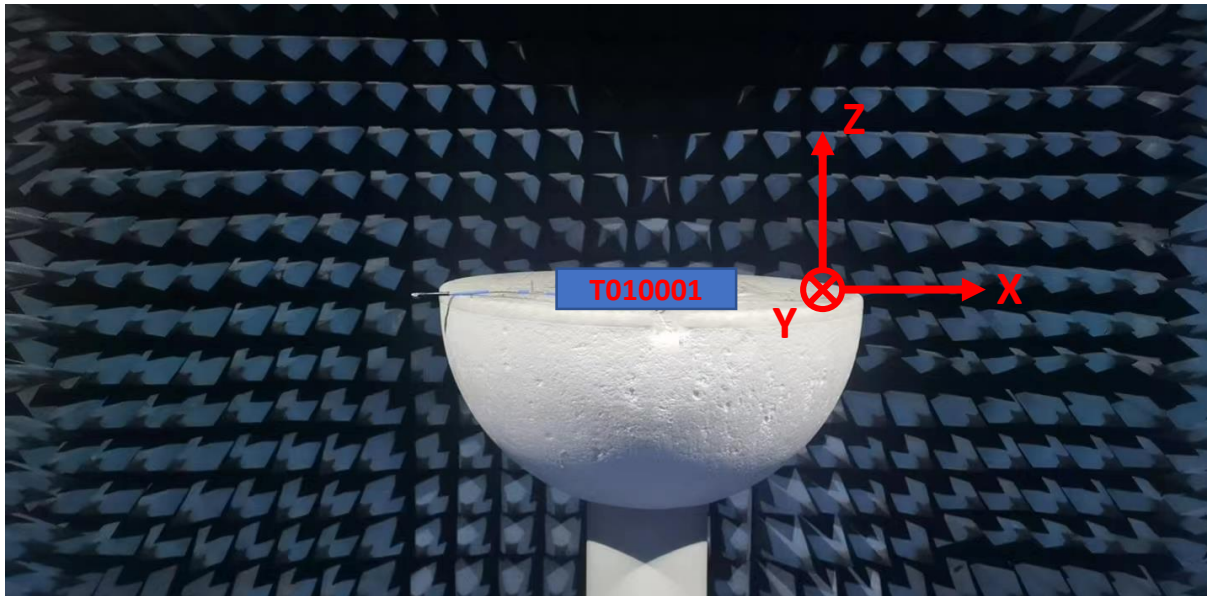
Gain Table of BZT 2.4GHz

BZT BT Antenna		
Frequency	Efficiency	Gain
2400	72%	3.4
2410	70%	2.8
2420	70%	2.9
2430	70%	3.3
2440	71%	3.7
2450	72%	3.9
2460	75%	3.9
2470	79%	4.0
2480	80%	4.1
2490	81%	4.3
2500	81%	4.6

- All the results were measured in anechoic chamber.

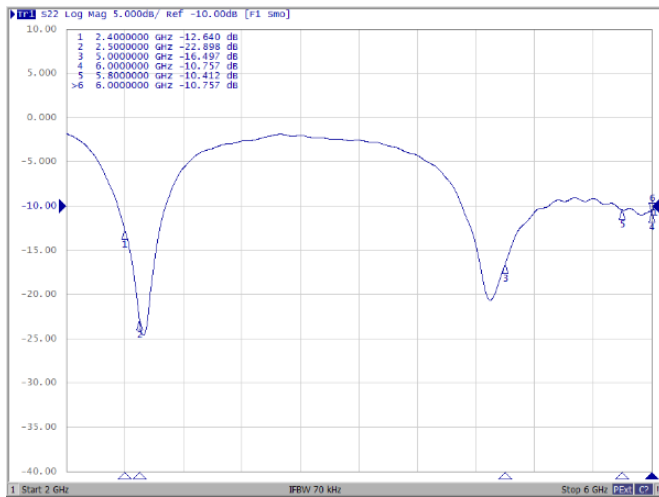
# Antenna Radiation Pattern

- Environment : measured in anechoic chamber

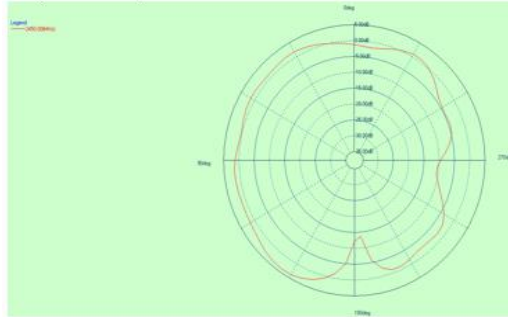


# Antenna Radiation Pattern

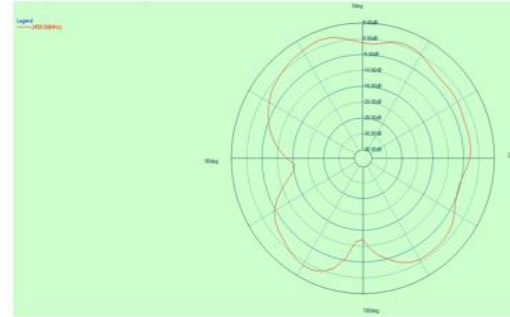
- BZT antenna radiation pattern



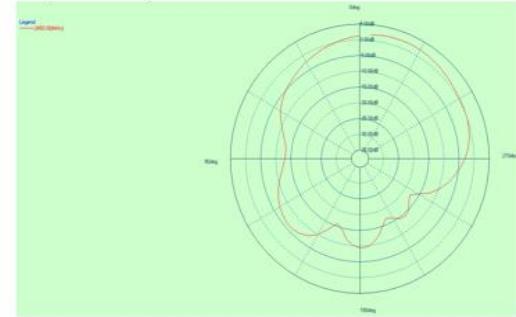
XZ(2450MHz)



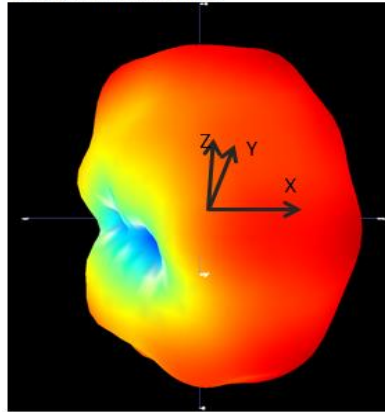
YZ(2450MHz)



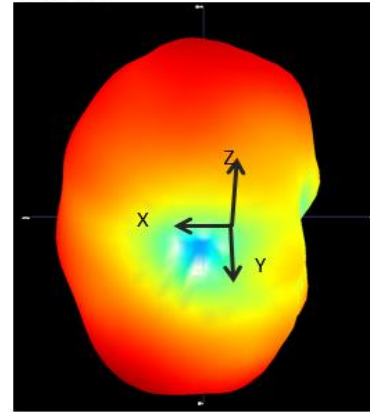
XY(2450MHz)



2450MHz Front View

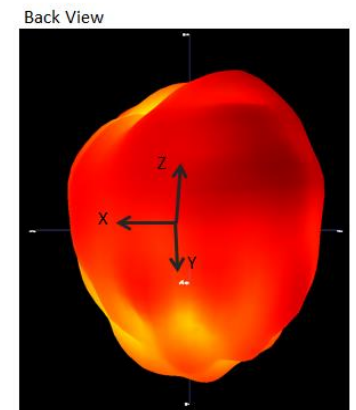
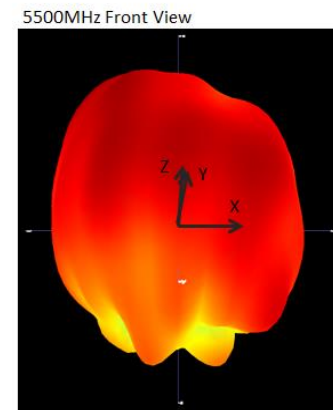
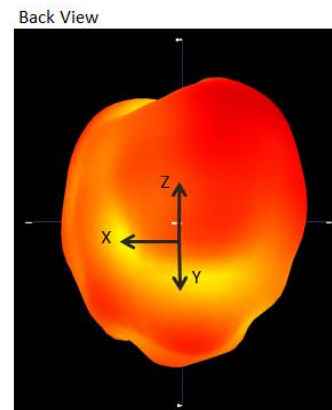
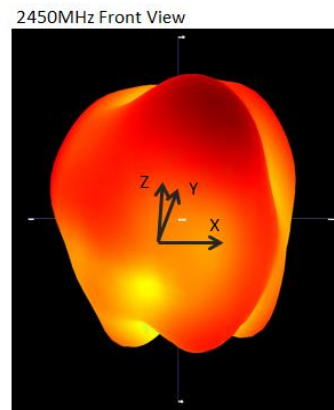
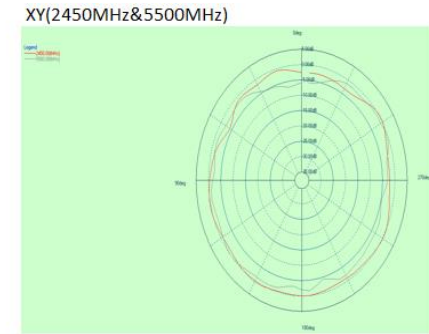
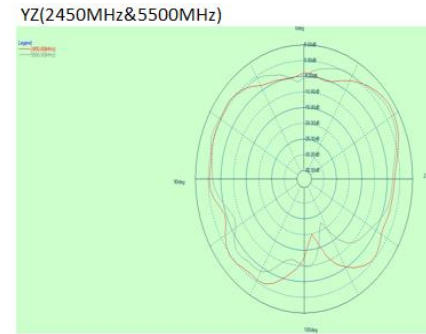
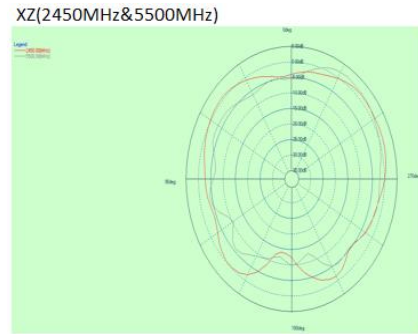
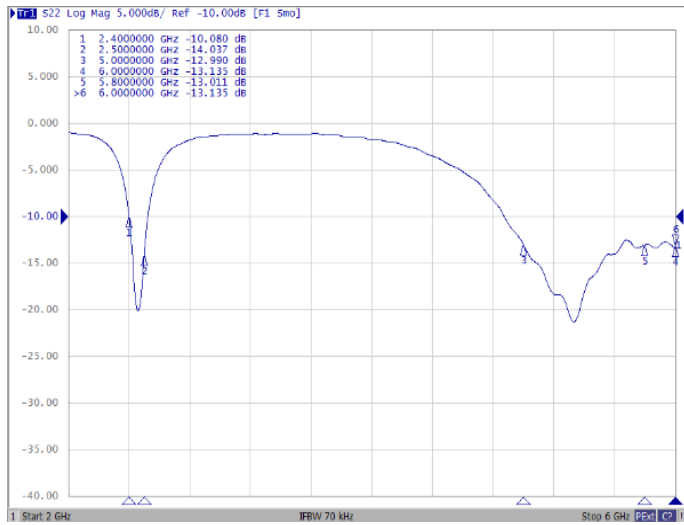


Back View



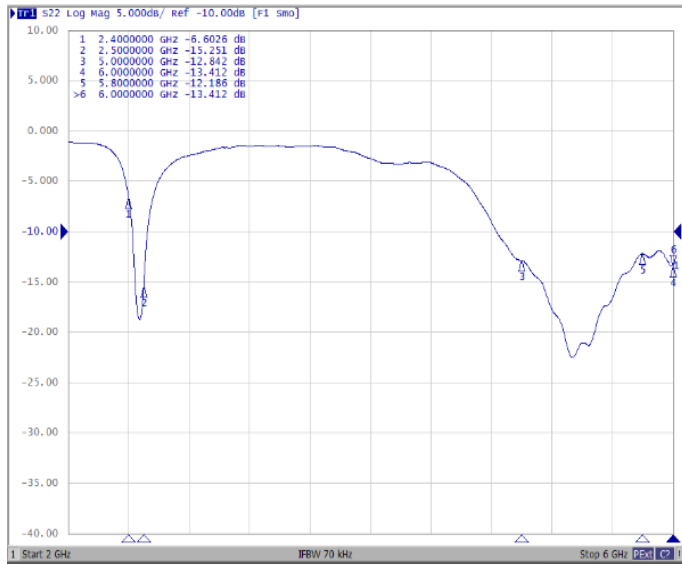
# Antenna Radiation Pattern

- Wi-Fi 1 antenna radiation pattern

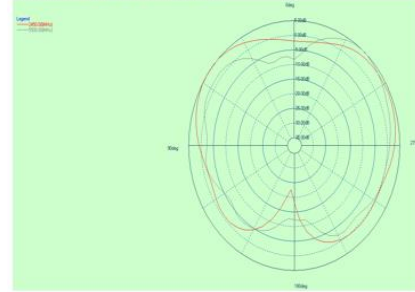


# Antenna Radiation Pattern

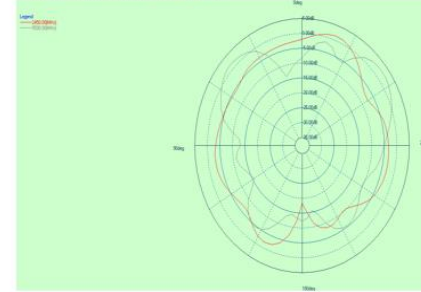
- Wi-Fi 1 & Wi-Fi 2 antenna radiation pattern



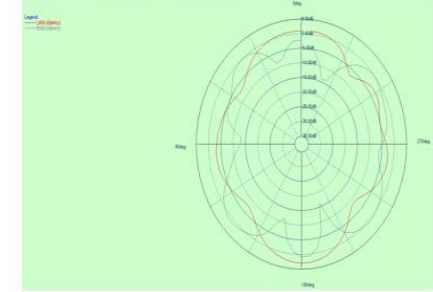
XZ(2450MHz&5500MHz)



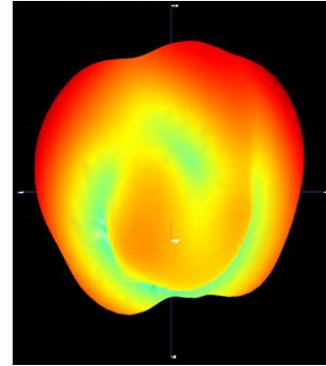
YZ(2450MHz&5500MHz)



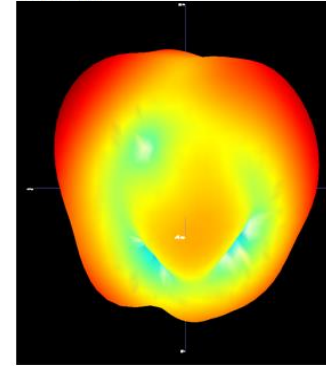
XY(2450MHz&5500MHz)



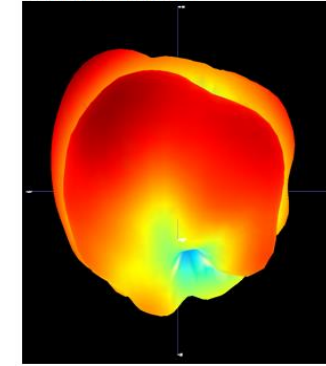
2450MHz Front View



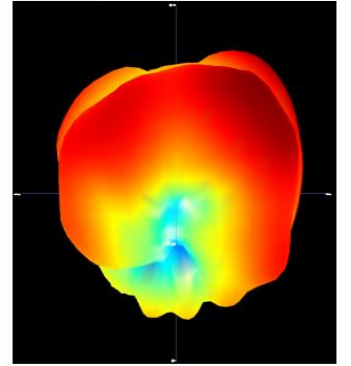
Back View



5500MHz Front View



Back View





# Antenna Radiation Pattern

- Wi-Fi 1 antenna radiation pattern

