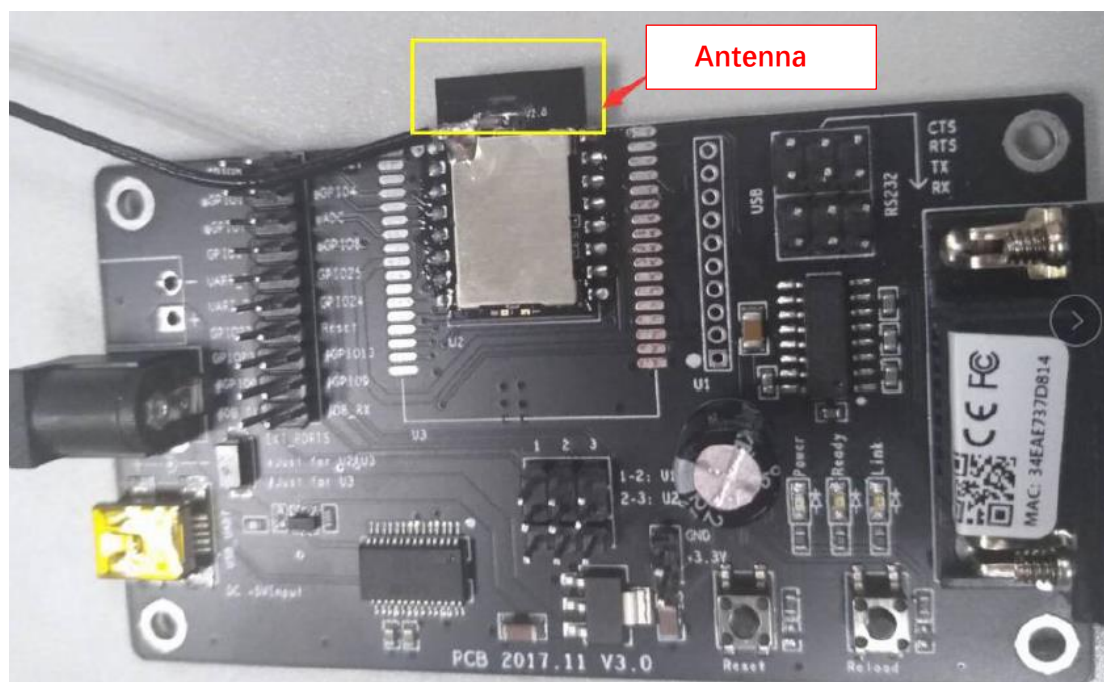


Antenna Measurement Report for HF-TW100-1

- Antenna Introduction:



- Test equipment:

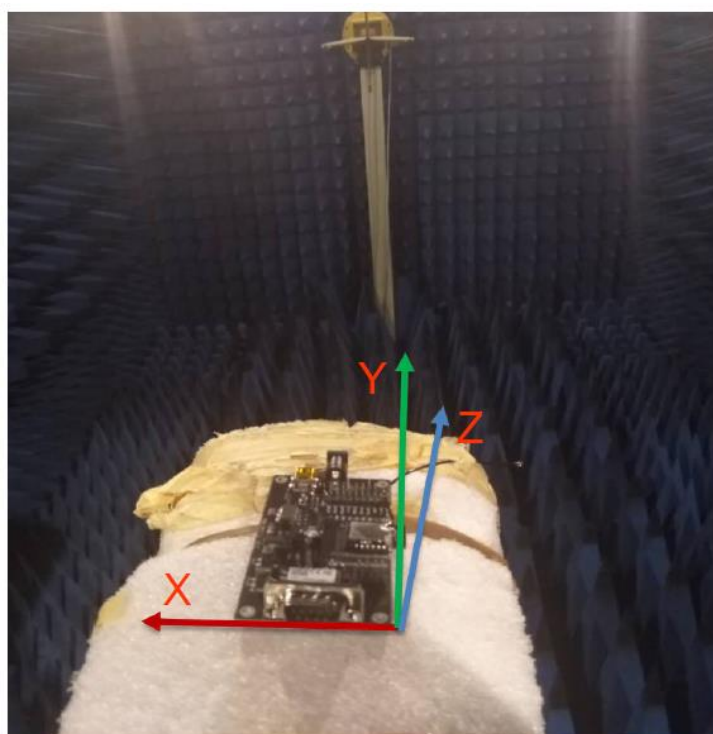


- S-parameter test results:



Test	Device	Standard	Frequency(GHz)			
			2.4	2.5	5.15	5.85
Return Loss(dB)	HF-TW100-1	>10	9.0	8.66	\	\

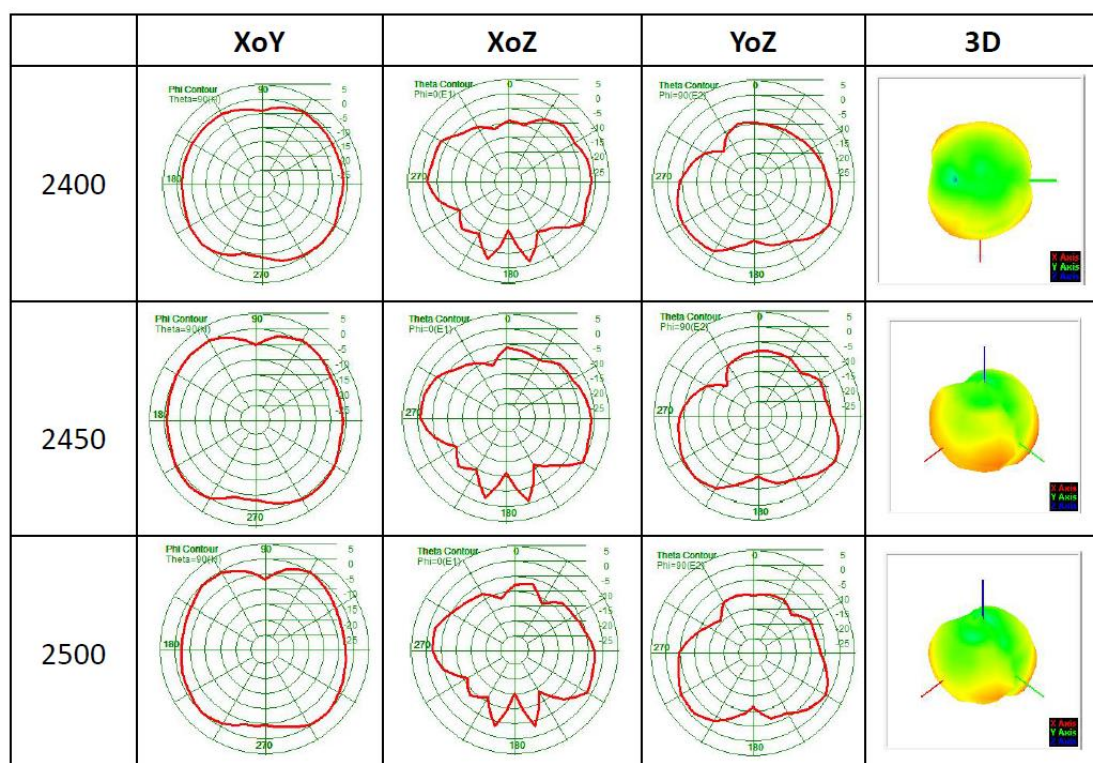
● Gain&Patterns test results



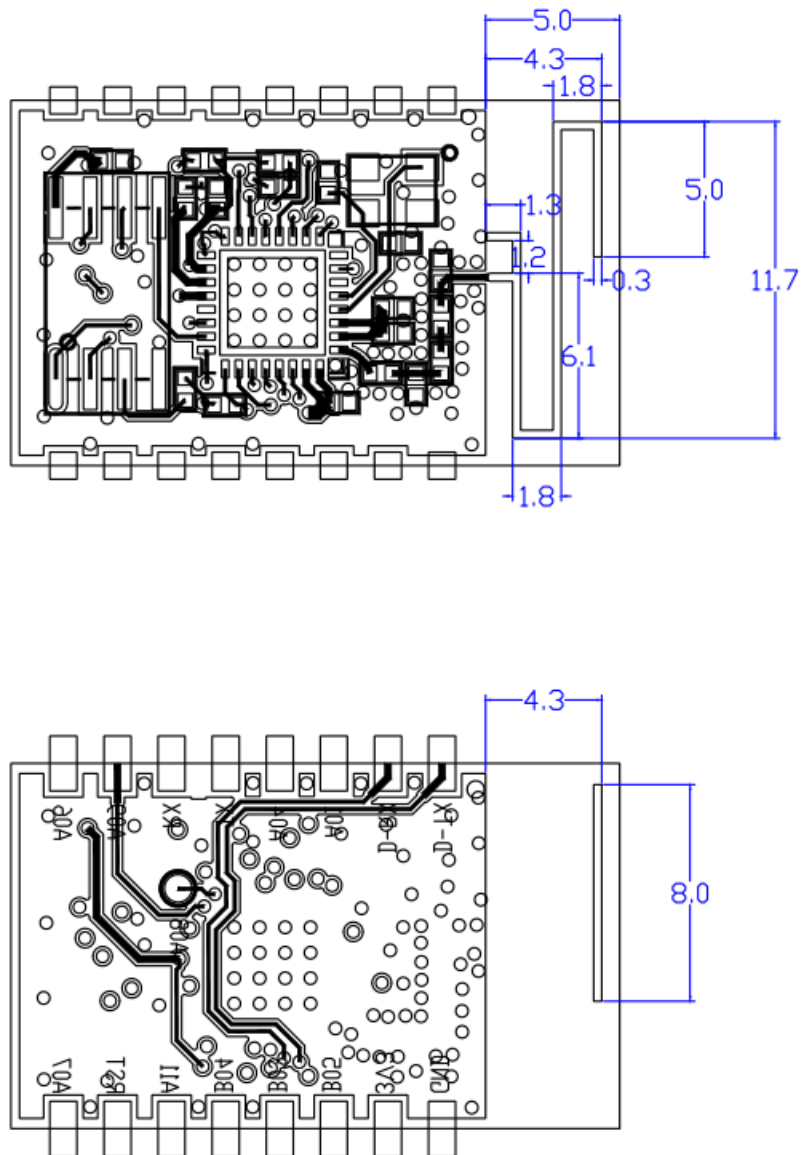
- Antenna gain Efficiency

Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
<u>1</u>	2400.0	1.21	46.9%
<u>2</u>	2410.0	1.39	50.6%
<u>3</u>	2420.0	1.58	49.5%
<u>4</u>	2430.0	1.44	49.1%
<u>5</u>	2440.0	2.14	53.8%
<u>6</u>	2450.0	2.19	52.3%
<u>7</u>	2460.0	2.16	51.2%
<u>8</u>	2470.0	1.53	51.7%
<u>9</u>	2480.0	1.30	47.0%
<u>10</u>	2490.0	1.23	45.9%
<u>11</u>	2500.0	1.33	46.4%

- Gain&Patterns test results 3D patterns



- Antenna size diagramx



PCB Antenna Manufacturer: Shandong Qipengfa Electronic Technology Co., Ltd.
 Manufacturer Address: South of Town Government, 800 Meters East of the Road,
 Nanxingzheng Village, Nanluji Town, Chengwu County, Heze City, Shandong Province,
 China.