

1. Antenna Information

Product Model	VC-X01E
Antenna Model	VCX01-Zigbee
Antenna Type	FPC
Manufacturer	Lumi United Technology Co., Ltd

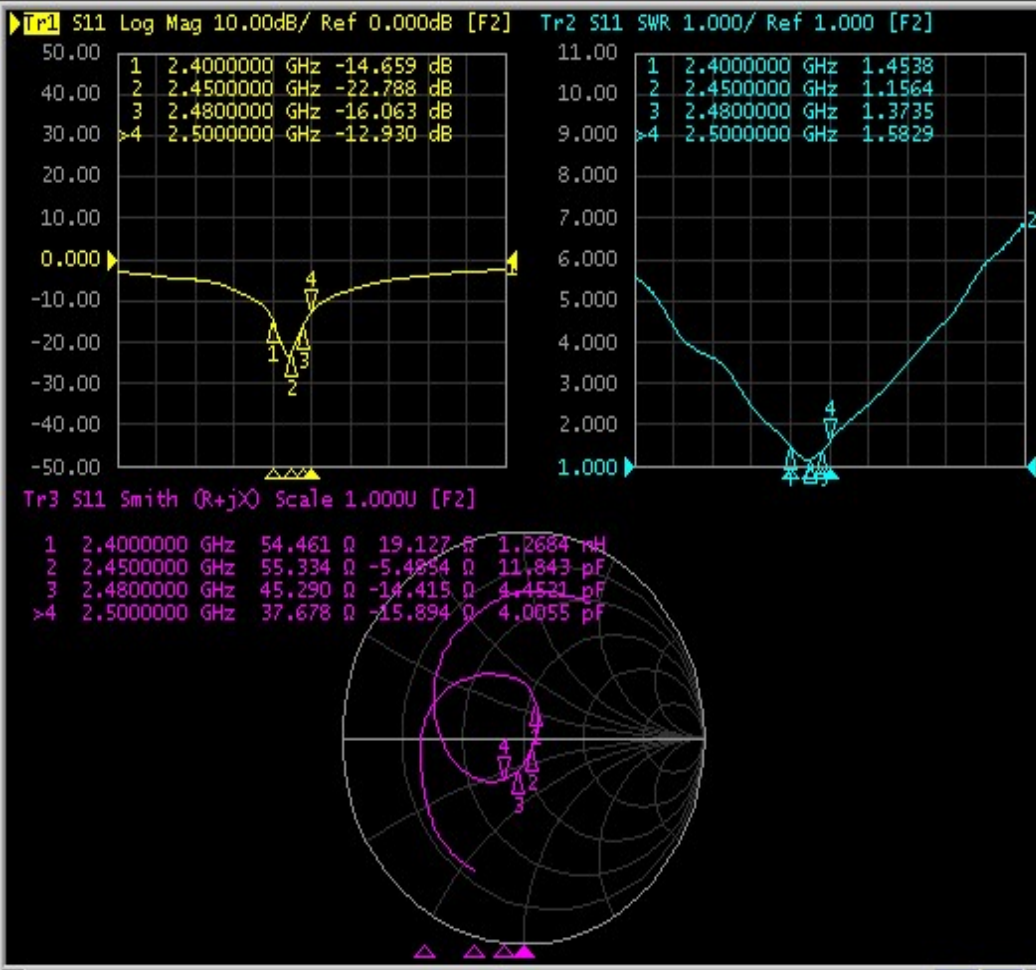
2. Antenna Picture



3. Electrical Specification

Frequency Range	2400MHZ-2500 MHZ
Bandwidth	100MHz
Input Impedence	50Ω
S11	≤-10 dB
Peak Gain	3.08dBi

4. Antenna S11



Marker	Freq (GHz)	Mag (dB)
1	2.400000	-14.659
2	2.450000	-22.788
3	2.480000	-16.063
4	2.500000	-12.930

Marker	Freq (GHz)	SWR
1	2.400000	1.4538
2	2.450000	1.1564
3	2.480000	1.3735
4	2.500000	1.5829

Marker	Freq (GHz)	R (Ω)	X (Ω)	Component
1	2.400000	54.461	19.127	1.2684 nH
2	2.450000	55.334	-5.4894	11.843 pF
3	2.480000	45.290	-14.415	4.4521 pF
4	2.500000	37.678	-15.894	4.0055 pF

System

Print

Abort Printing

Printer Setup...

Invert Image
ON

Dump
Screen Image...

87050/75 Setup ▶

Misc Setup ▶

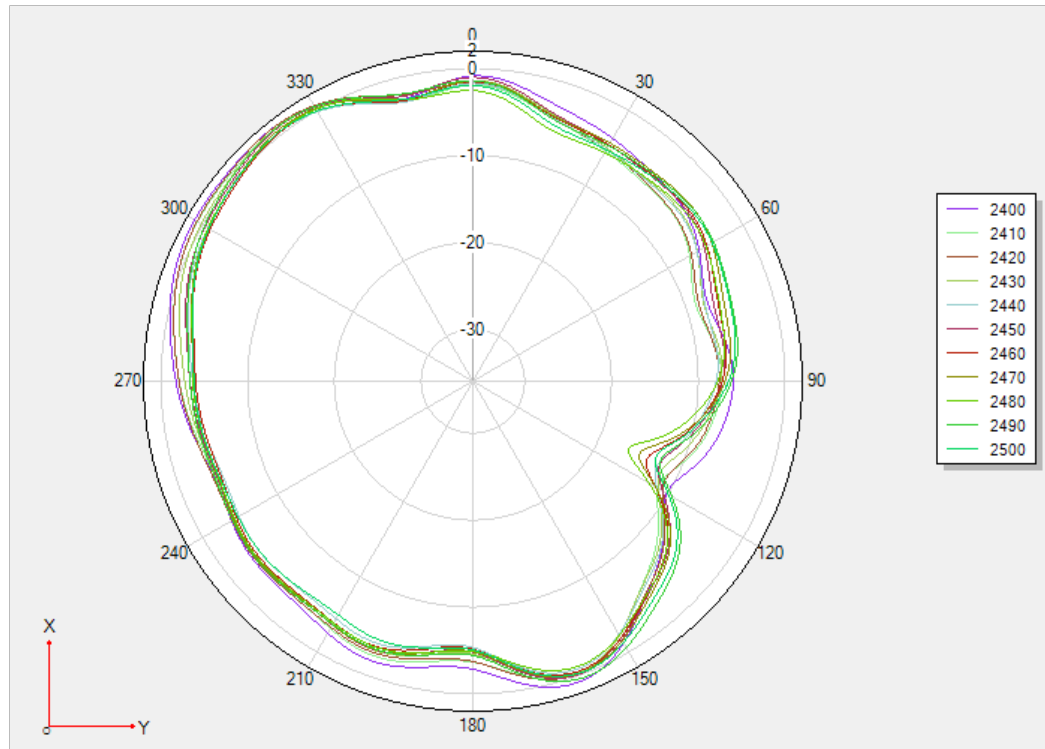
Backlight
ON

Firmware
Revision

Start 2 GHz IFBW 30 kHz Stop 3 GHz PExt Cor

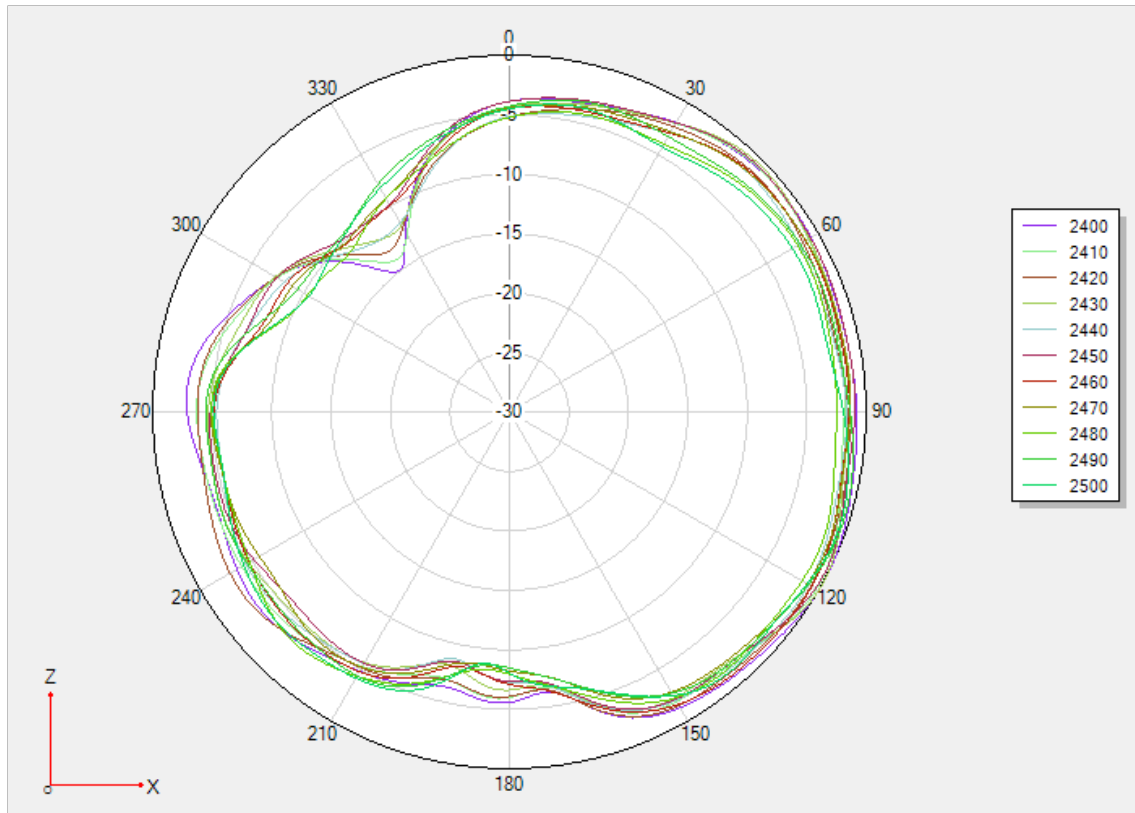
5. Radiat

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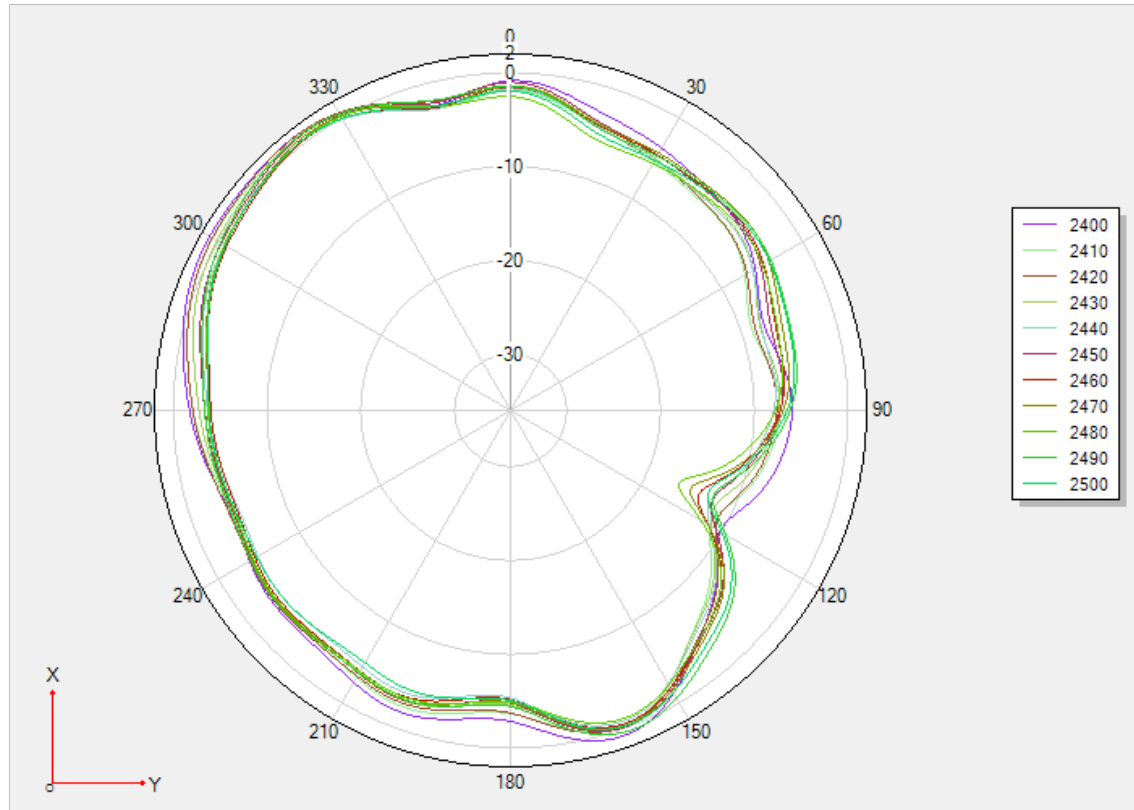


V Phi=0

0



V Phi=90



6. Test Results

Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
1	2400	2.45	-2.83	52.12
2	2410	2.12	-3.16	48.31
3	2420	2.82	-2.99	50.23
4	2430	2.16	-3.15	48.42
5	2440	2.41	-3.42	45.51
6	2450	2.24	-2.93	50.93
7	2460	3.08	-3.06	49.43
8	2470	2.07	-3.39	45.81
9	2480	3.03	-3.5	44.67
10	2490	2.14	-3.05	49.55
11	2500	2.94	-3.37	46.03