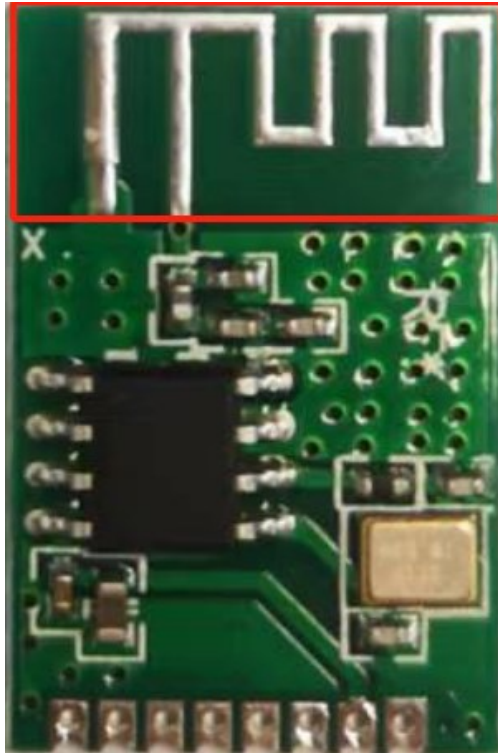


XN297_PCB_2.4G_ANT

Antenna Specification



Manufacture: Shenzhen Wojin Technology Co., LTD

Model Number: XN297_PCB_2.4G_ANT

Version: V1.0

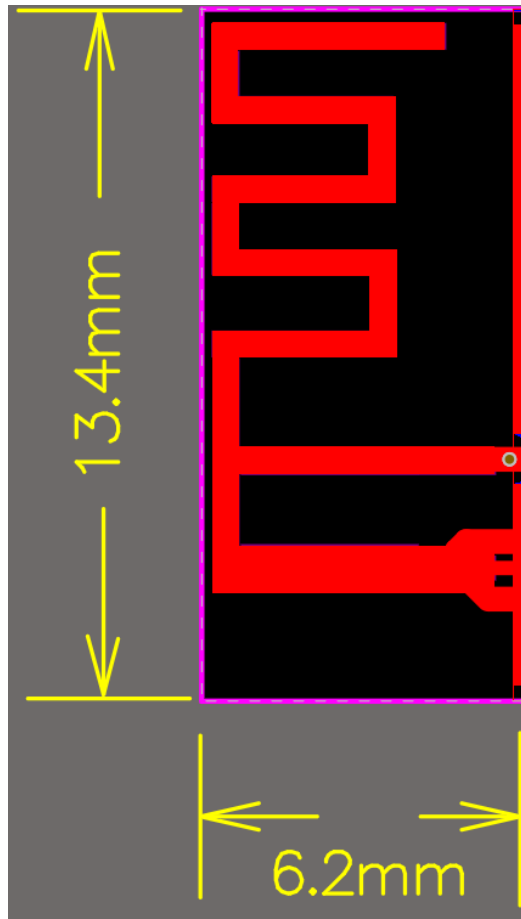
ELECTRICAL CHARACTERISTICS

Model Number	XN297_PCB_2.4G_ANT
Dimension (mm)	13.4mm x 6.2mm
Antenna type	PCB antenna
Working Frequency Range	2400-2500MHZ
Impedance	50 Ω
VSWR	<2.0
Gain	1.9dBi (Typical)
Polarization	Vertical
Rated Power (max.)	1 Watts
Operation Temperature	-40° C ~ +85° C

ANT DIMENSIONS

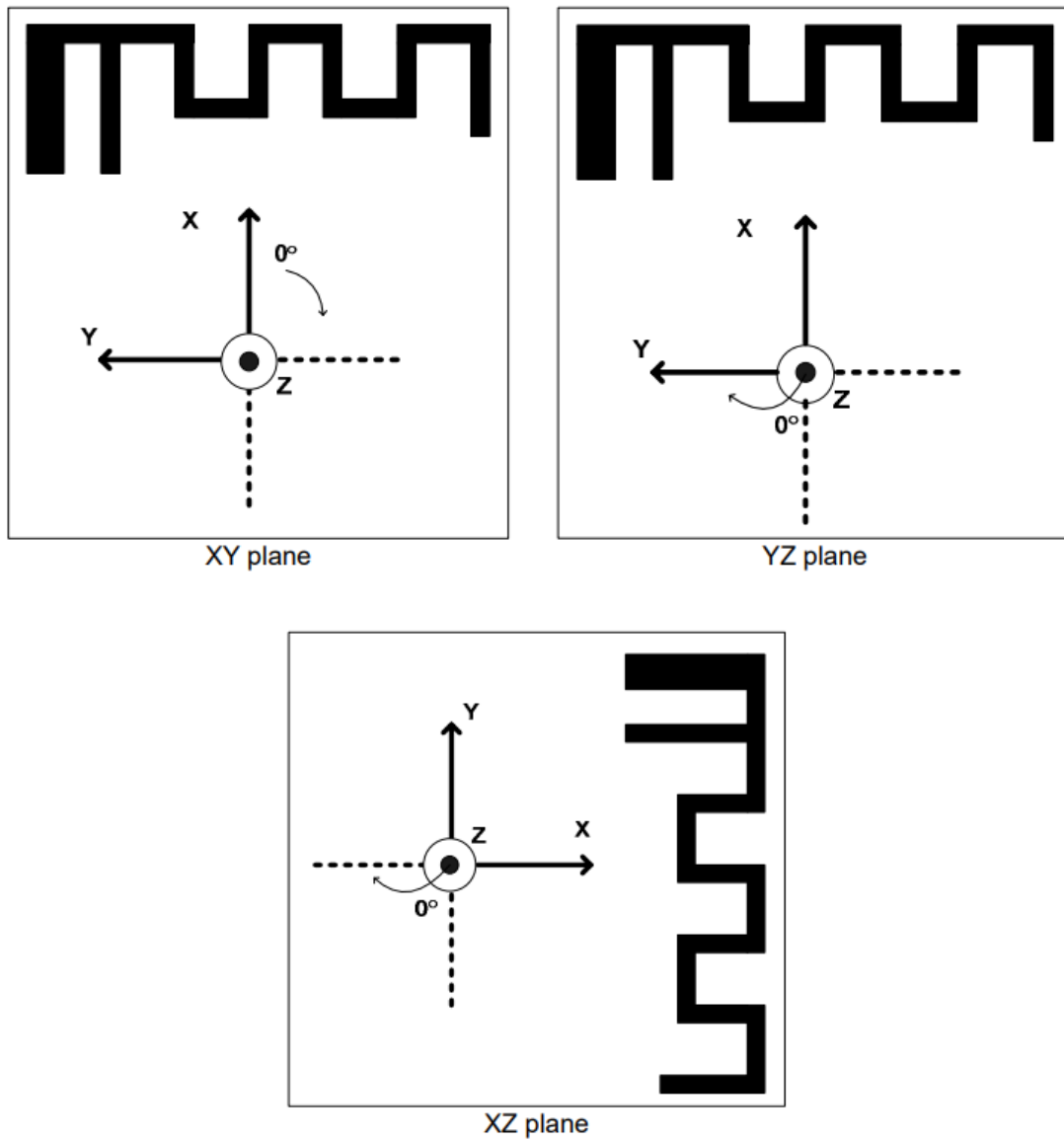


Picture 1: XN297_PCB_ANT

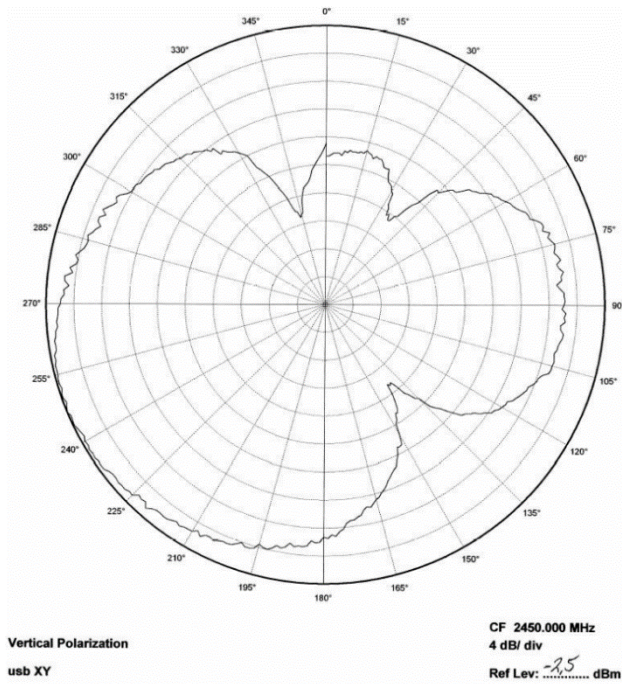


Picture 2: XN297_PCB_ANT size

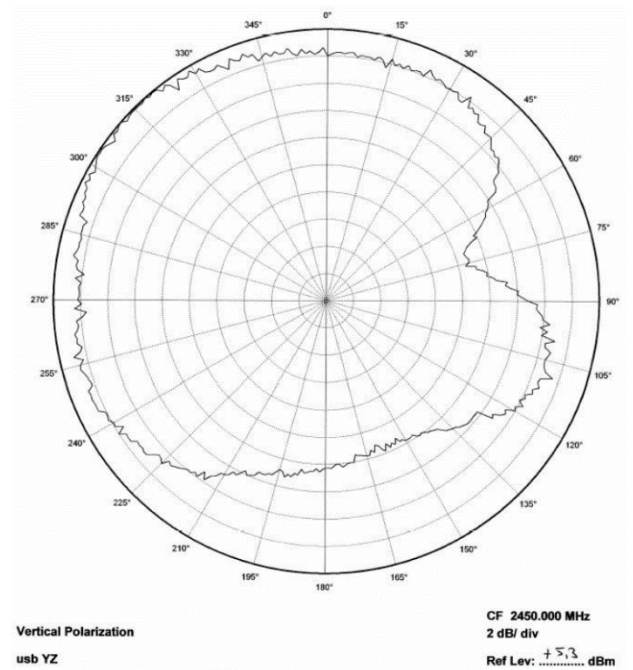
Radiation pattern and Gain



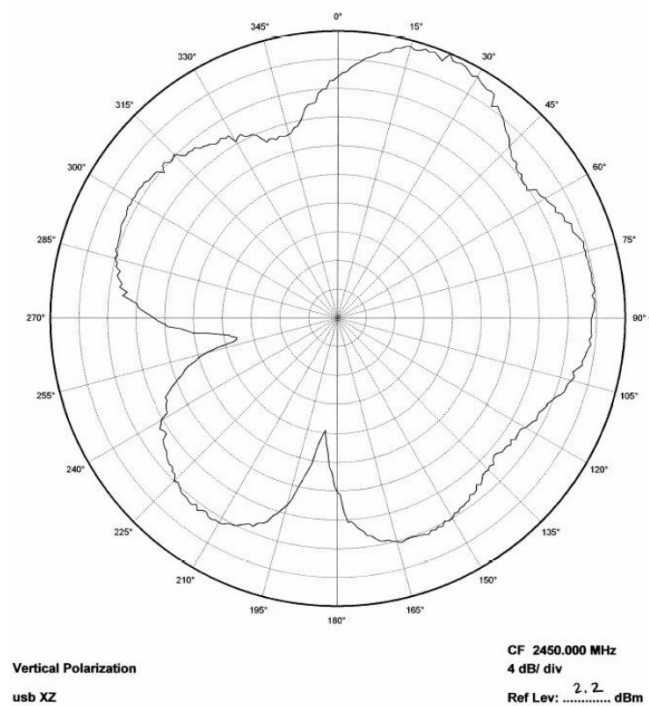
picture 3: Radiation pattern



XY Plane

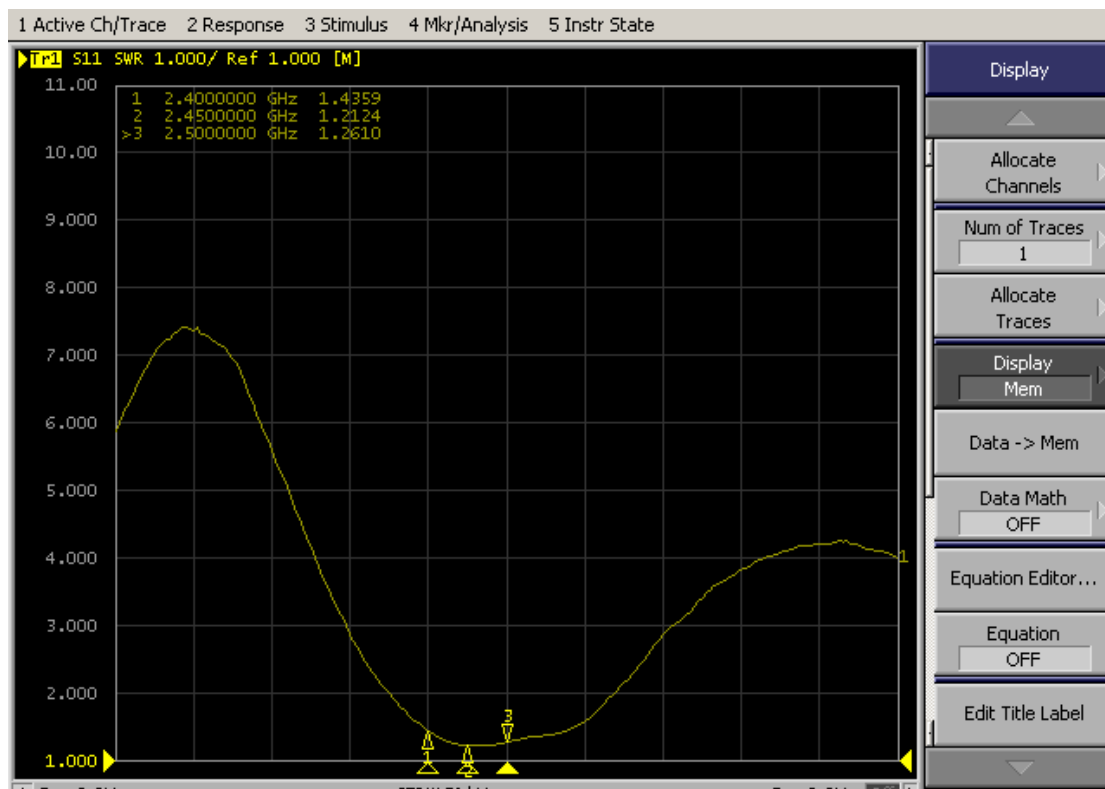


YZ Plane



XZ Plane

VSWR/Return Loss/Smith Chart



图四、SWR 波形图

PERFORMANCE DATA

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	54.51	-2.64	1.93	-1.22	27.374	27.137	1.93	-15.24	48.42	48.27
2410	53.12	-2.75	1.97	-1.18	26.984	26.137	1.97	-15.25	48.62	48.42
2420	54.92	-2.6	2.22	-0.93	28.175	26.746	2.22	-15.05	48.87	48.69
2430	53.16	-2.74	2.04	-1.11	27.347	25.813	2.04	-15.2	48.84	48.66
2440	52.85	-2.77	1.9	-1.25	27.092	25.756	1.9	-15.14	48.95	48.73
2450	54.93	-2.6	1.95	-1.2	27.939	26.992	1.95	-15.43	49.07	48.77
2460	56.27	-2.5	1.99	-1.16	28.379	27.893	1.99	-15.88	49.11	48.76
2470	56.58	-2.47	2.06	-1.09	28.364	28.212	2.06	-16.95	49.11	48.73
2480	60.33	-2.19	1.44	-0.71	30.169	30.16	1.44	-17.48	49.41	48.96
2490	65.91	-1.81	1.97	-0.18	32.97	32.943	1.97	-17.48	49.76	49.29
2500	63.79	-1.95	1.9	-0.25	32.048	31.746	1.9	-17.49	49.65	49.12