

Huayao Electronic Technology Co., LTD

Address: No. 33 Zhenxing Road, Yangkeng Tang, Dalang Town, Dongguan City

PRODUCT SPECIFICATION SHEET

Customer Name : Shenzhen Zhouhai Electronics Co., LTD

Product name: 2.4GHz Antenna

Part number : HY2400-10196L-01B

Customer part number: 499-Y0000015

Sample delivery date: 2019-10-11

Engineering confirmation:

Approval	engineer	producer	signature
He xiao bo	He guo ping	Jia jian an	

customer confirmation:

Approval	project engineer	QC	signature
Confirm results: <input checked="" type="checkbox"/> accept <input type="checkbox"/> fail <input type="checkbox"/> Other			

Item confirmation note

Item	Description
1cover
2Project Table
3engineer ing drawing
4Electrical test report

RF Antenna Cable Assembly

Specification

1. Electrical Properties

1.1 Frequency Range.....2.4GHz-2.5GHz

1.2 Impedance.....50Ω Nominal

1.3 VSWR.....1.75:1MAX

1.4 Return Loss.....-10.5dB Max

1.5 Gain(peak).....6dBi

1.6 Cable loss.....0.3dBi Max

1.7 Polarization.....Linear Vertical

1.8 Admitted Power.....2W

1.9 Cable.....RG-178

1.10 Conn.....SMA- Male

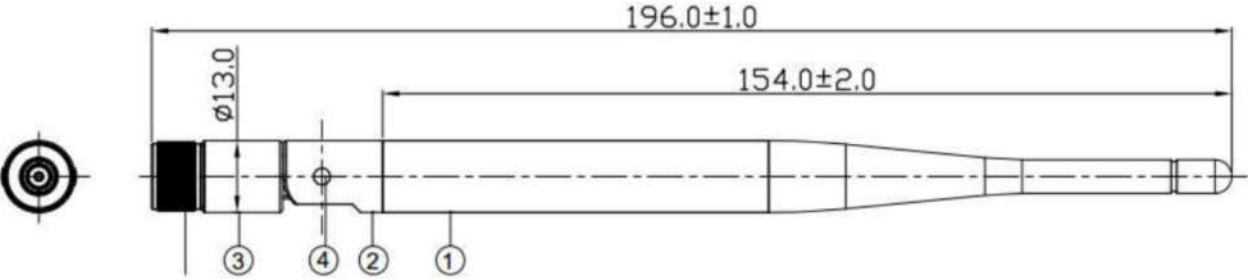
2. Physical Properties:

2.1 Antenna Material.....Cu

2.4 Operating Temp.....-20 - +65

2.5 Storage Temp.....-30 - +75

RF Antenna Assembly
SPEC:2.4~2.5GHz

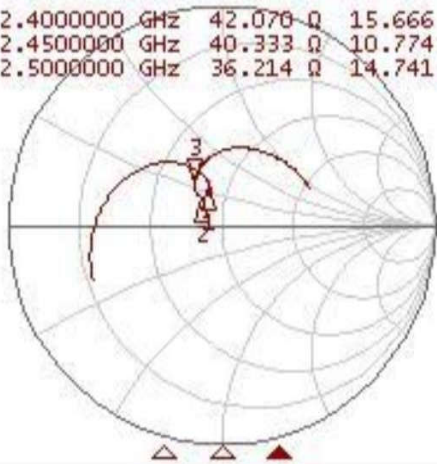


Tr1 S11 Log Mag 5.000dB/ Ref -10.00dB [F1]

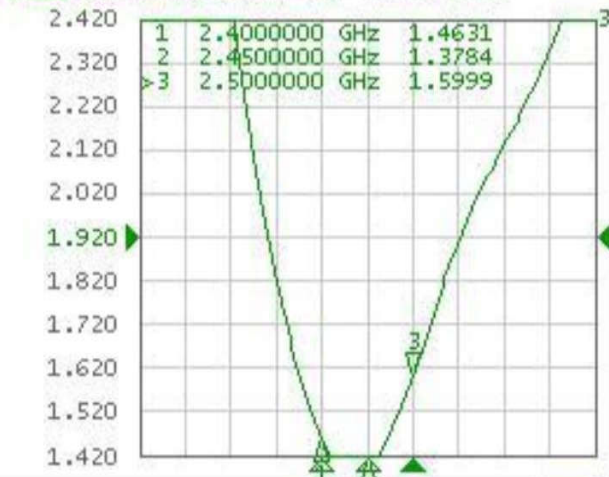


Tr2 S11 Smith (R+jX) Scale 1.000U [F1]

Marker	Frequency (GHz)	R (Ω)	X (Ω)	Scale
1	2.400000	42.070	15.666	1
2	2.450000	40.333	10.774	6
>3	2.500000	36.214	14.741	9



Tr3 S11 SWR 100.0m/ Ref 1.920 [F1]



System



Print

Abort Printing

Printer Setup...

Invert Image

ON

Dump

Screen Image...

Multipoint Test Set Setup

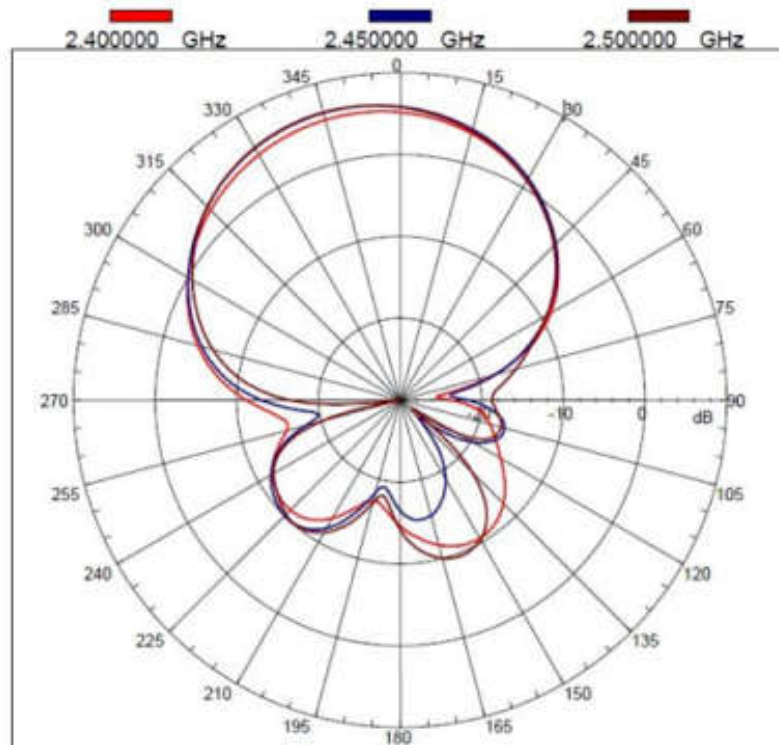
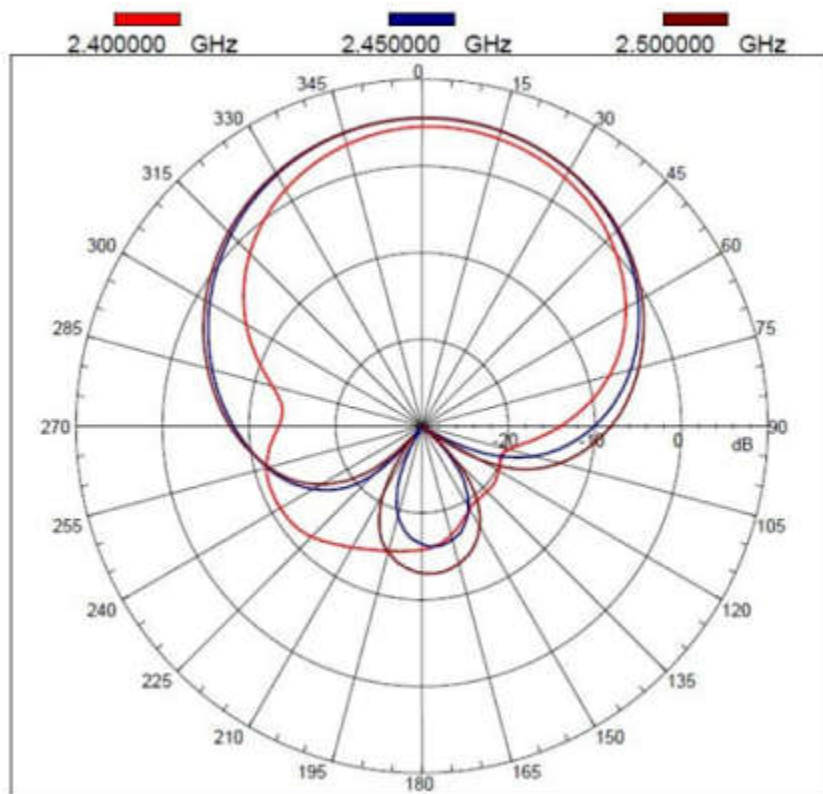
Misc Setup

Backlight

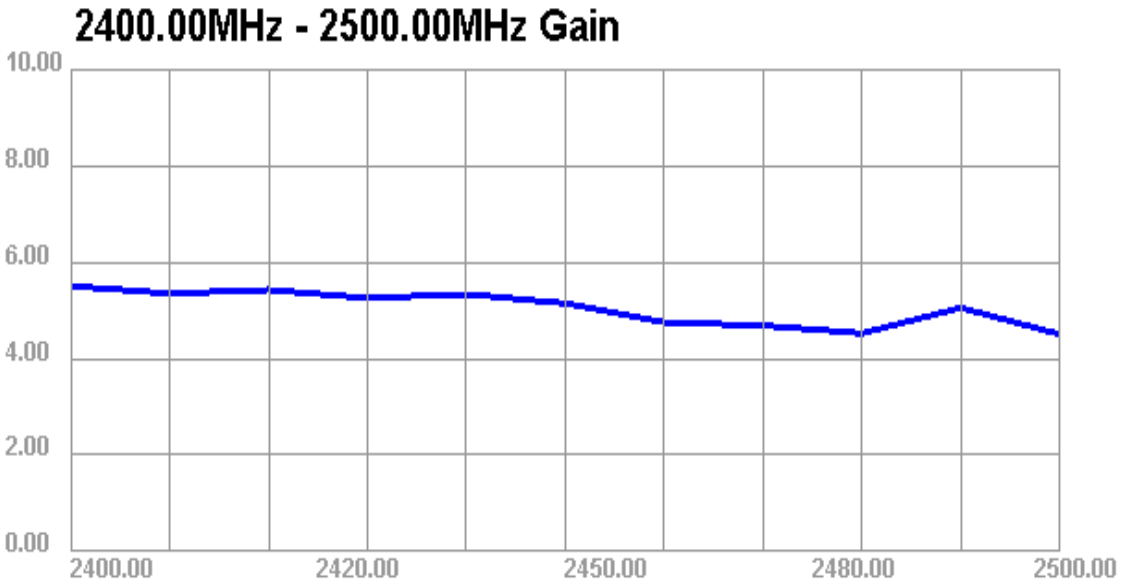
ON

Firmware Revision





Passive Test For WIFI1										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	66.75	-1.76	5.51	3.36	19.783	46.968	5.51	-17.01	48.25	47.86
2410	65.75	-1.82	5.35	3.2	19.809	45.944	5.35	-17.21	47.58	47.36
2420	68.87	-1.62	5.43	3.28	20.924	47.946	5.43	-15.52	47.95	47.67
2430	67.6	-1.7	5.26	3.11	20.49	47.11	5.26	-14.18	47.77	47.41
2440	70.48	-1.52	5.34	3.19	21.326	49.15	5.34	-13.37	47.74	47.4
2450	69.36	-1.59	5.15	3	20.922	48.434	5.15	-14.02	47.83	47.46
2460	64.08	-1.93	4.75	2.6	19.116	44.964	4.75	-15.17	47.27	46.83
2470	63.02	-2	4.69	2.54	18.622	44.403	4.69	-16.73	47.59	47.23
2480	60.69	-2.17	4.53	2.38	17.829	42.861	4.53	-17.22	48.18	47.66
2490	68.24	-1.66	5.06	2.91	19.651	48.586	5.06	-15.66	48.68	48.04
2500	59.89	-2.23	4.51	2.36	16.9	42.994	4.51	-15.38	47.64	47.09



2400.00MHz - 2500.00MHz Efficiency

