

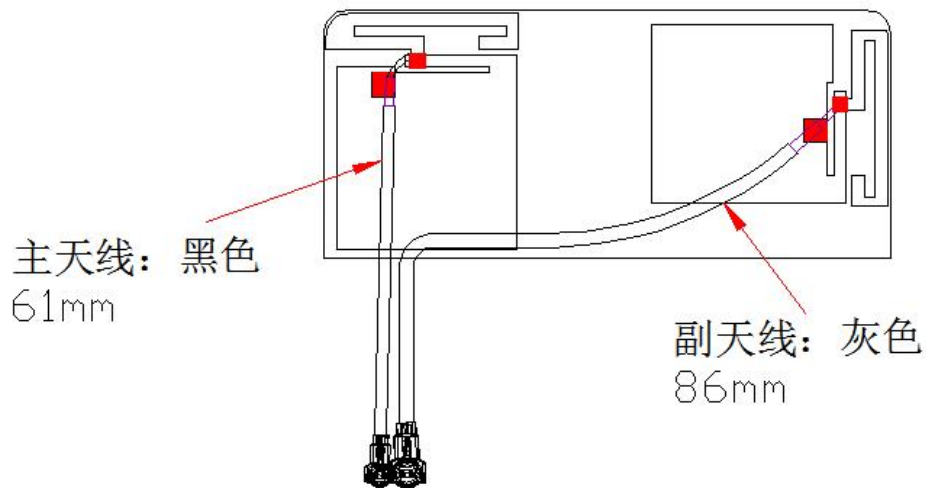
WIFI Antenna (4821)

1. Explanation of Product number :

S L K - M X - 4 8 2 1 - M - 6 1 I V - B

S L K - M X - 4 8 2 1 - R - 8 6 I V - G

1 2 3 4 5



Product Code:

(1) Customer:

MX:

(2) Project:

4821: SLK-MX-4821(WIFI antenna 2.4~2.5GHz 5~5.85GHz)

(3) Welding Position

M:Middle R:Right

(4) Cable Length:

61IV:61*0.81MM 86IV:86*0.81MM(5)Cable Color

B: Black G: Grey

2. Features

*Stable and reliable in performances

*Compact size

*RoHS compliance

3. Applications

- * IEEE802.11 (b/g/n/a)
- * Hand-held devices when WIFI (802.11b/g/n/a) functions are needed

4. Description

Holy bond's External antenna series are specially designed for WIFI (802.11 b/g/n/a) applications. Based on Holy bond's proprietary design and processes, this External antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

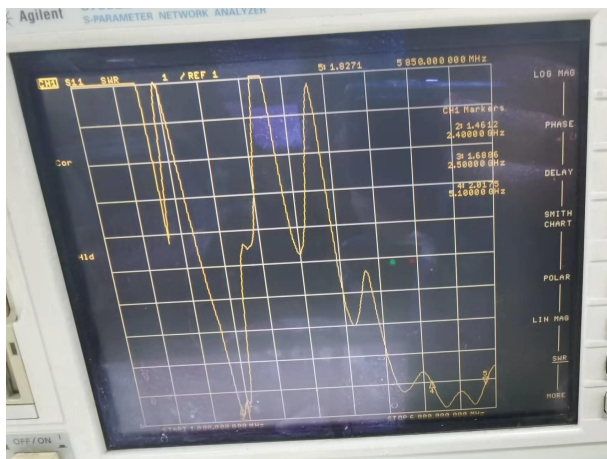
5. Electrical Specifications

5-1

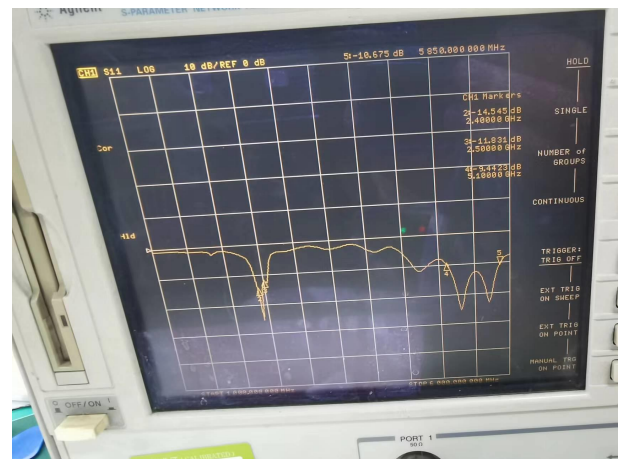
Characteristics	Specifications	Unit
Outline Dimensions	48.3*21.15*0.12	mm
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2

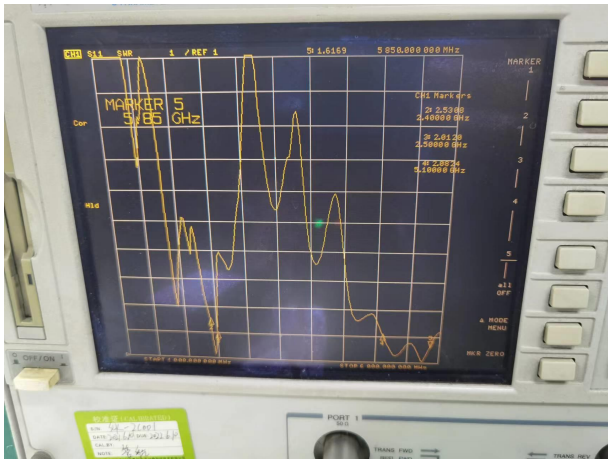
Main - VSWR



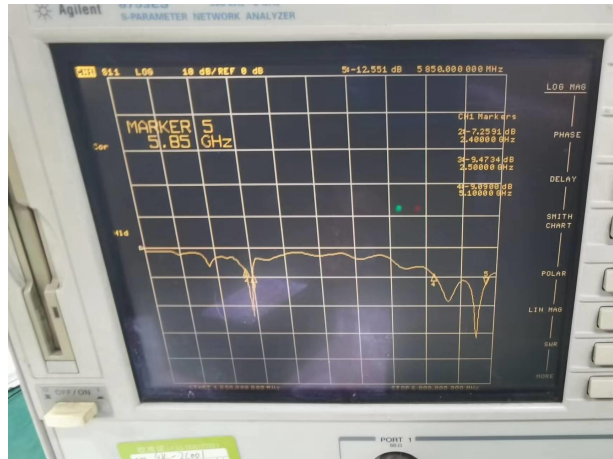
Main - S11



Aux - VSWR

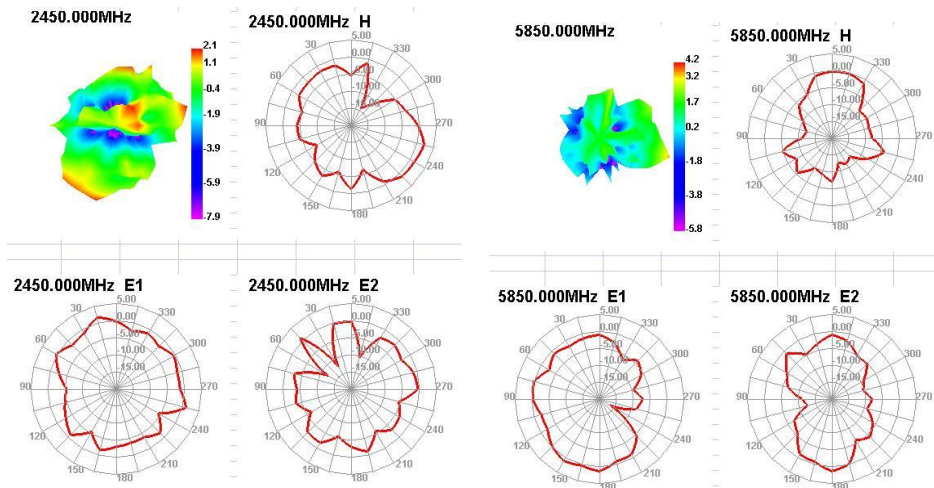


Aux - S11



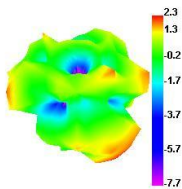
5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

MAIN			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	36.06	-4.43	3.05
2410	30.83	-5.11	2.47
2420	34.51	-4.62	2.56
2430	31.83	-4.97	2.15
2440	33.4	-4.76	2.02
2450	31.34	-5.04	2.14
2460	31.03	-5.08	1.7
2470	31.94	-4.96	1.82
2480	34.74	-4.59	1.97
2490	33.7	-4.72	2.31
2500	36.95	-4.32	2.18
5150	36.38	-4.39	3.63
5350	37.18	-4.30	3.15
5500	40.29	-3.95	4.61
5750	33.86	-4.70	4.54
5850	33.84	-4.71	4.15

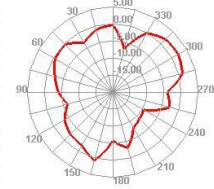


AUX			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	36.52	-4.37	2.21
2410	31.68	-4.99	1.75
2420	36.27	-4.40	2.15
2430	32.86	-4.83	1.82
2440	35.53	-4.49	2.02
2450	38.6	-4.13	2.31
2460	34.21	-4.66	2.18
2470	33.69	-4.72	2.32
2480	37.45	-4.27	2.74
2490	39.27	-4.06	2.96
2500	39.48	-4.04	2.9
5150	32.76	-4.85	4.31
5350	35.94	-4.44	4.62
5500	34.43	-4.63	3.34
5750	37.52	-4.26	2.91
5850	35.87	-4.45	2.8

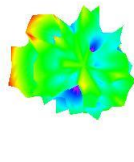
2450.000MHz



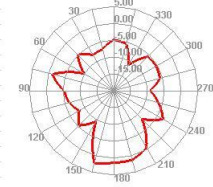
2450.000MHz H



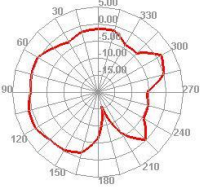
5850.000MHz



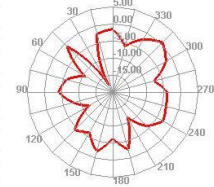
5850.000MHz H



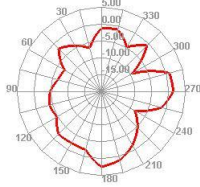
2450.000MHz E1



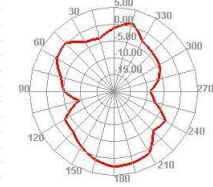
2450.000MHz E2



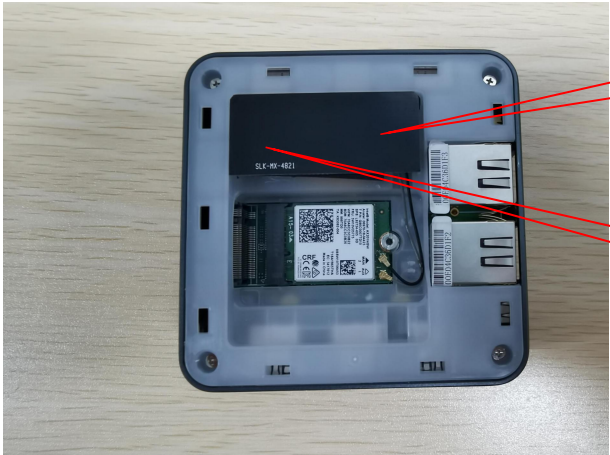
5850.000MHz E1



5850.000MHz E2



7. Antenna Picture



WIFI ANT

BT&WIFI ANT