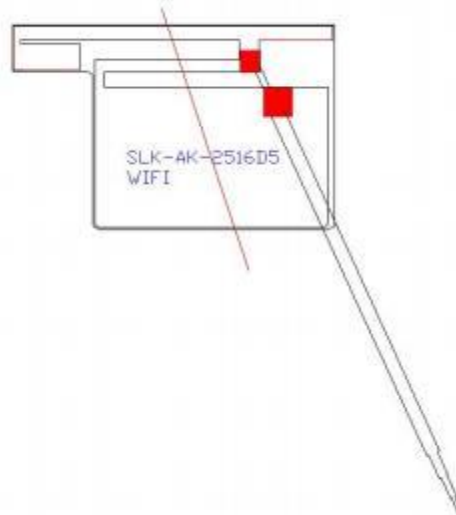


WIFI

1. Explanation of Product number :



Product Code:

- (1) Customer: 艾科
- (2) Antenna Name: WIFI 天线 (WIFI Antenna)
- (3) Connector: 1.13黑色线, 总长80mm
- (4) Model Name: SLK-AK02516D5

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

5. Electrical Specifications

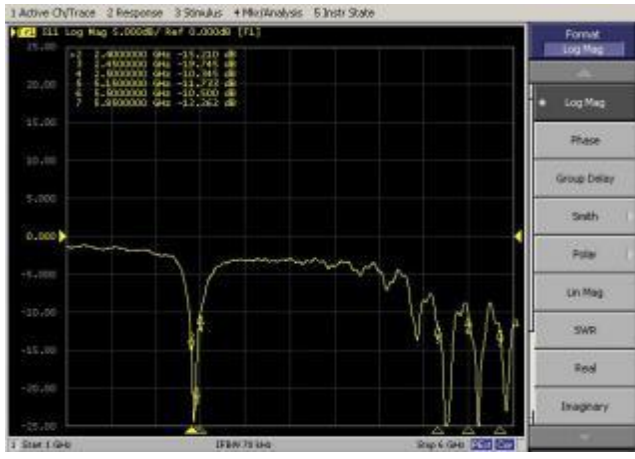
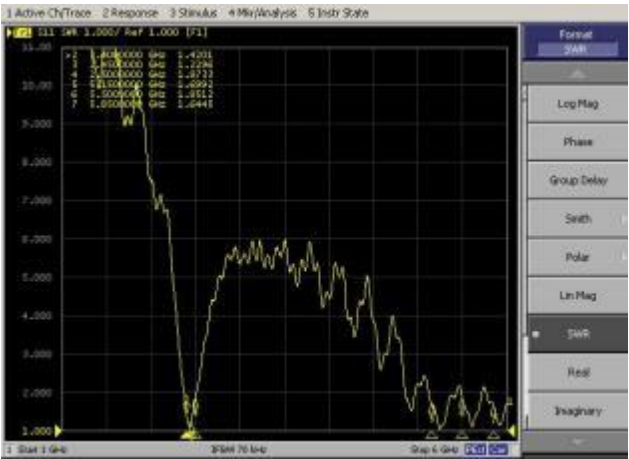
5-1

Characteristics	Specifications	Unit
Outline Dimensions	25.43x16.19x0.12	mm
Center Frequency	2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2

VSWR

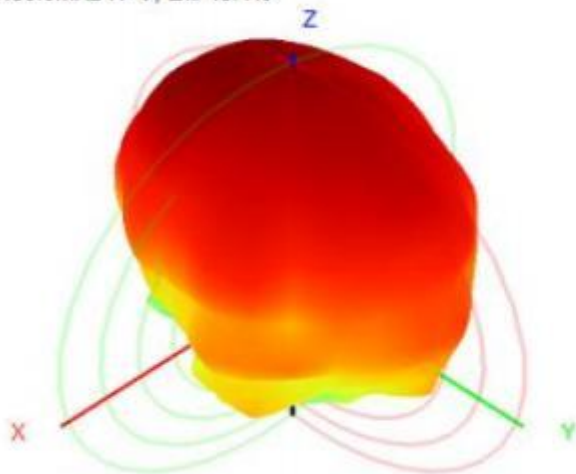
S11



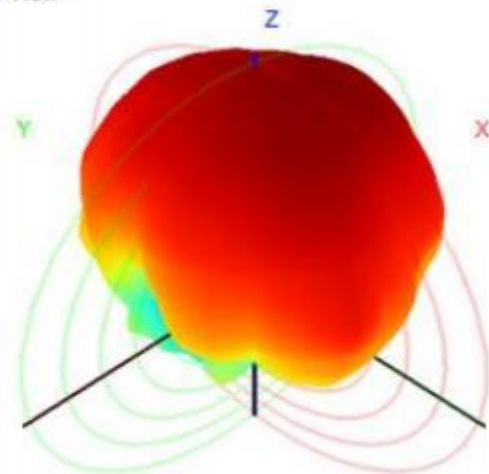
5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5350.0	5500.0	5650.0	5850.0
Efficiency (dBi)	-3.75	-3.47	-3.58	-3.69	-3.74	-3.65	-3.96	-3.83	-3.88	-3.72	-3.92	-3.66	-3.69	-3.97	-3.87	-3.56
Gain (dBi)	2.28	2.89	2.61	2.16	2.63	2.80	2.75	2.92	2.87	2.50	2.22	2.48	2.44	2.75	2.84	2.17
Efficiency (%)	42.10	44.95	43.77	42.72	42.24	43.08	40.14	41.35	40.86	42.39	40.50	42.96	42.68	40.04	41.00	44.05

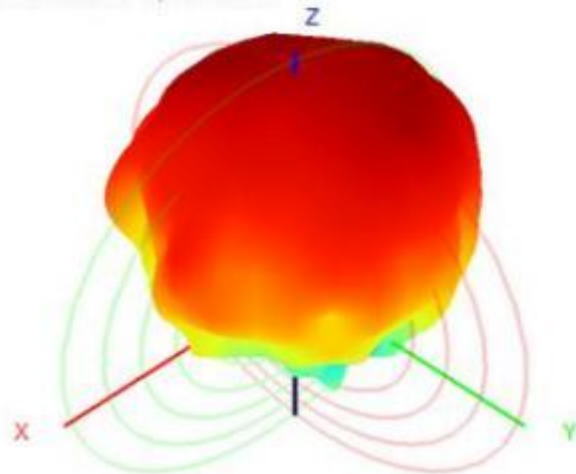
2450.0MHz H+V, Eff. 43.1%



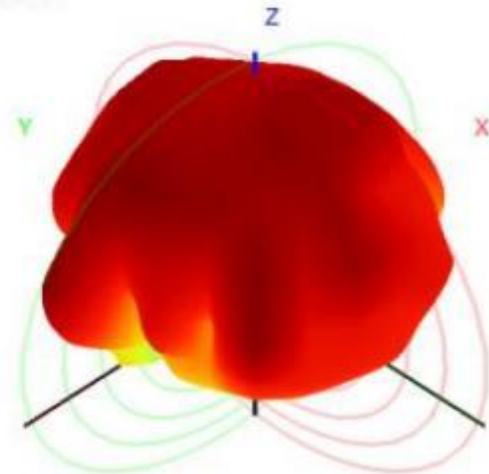
Back View



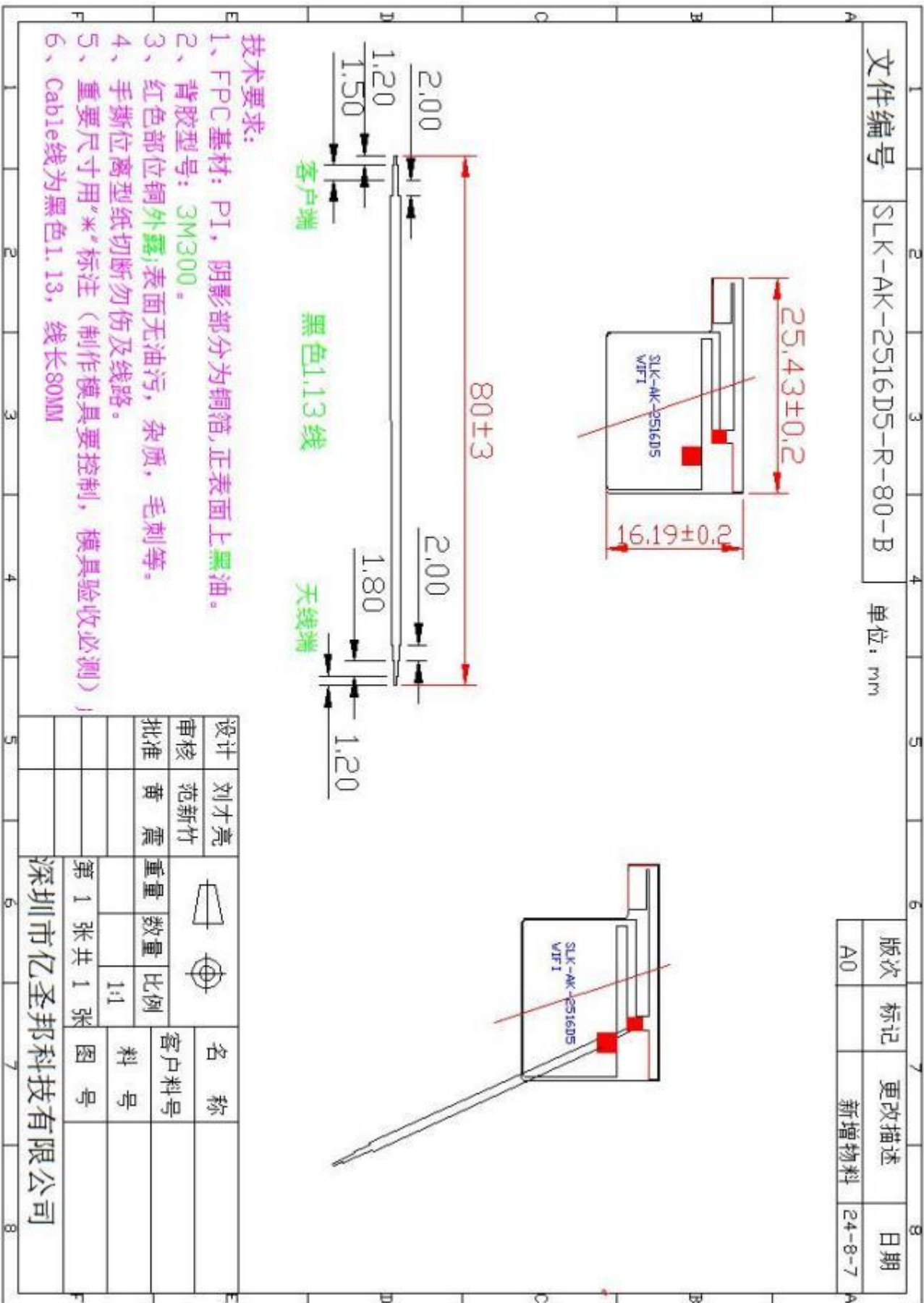
5850.0MHz H+V, Eff. 44.0%



Back View



6. Antenna Dimensions (unit: mm)



7. Antenna Picture

