

Shenzhen Yishengbang Technology Co., Ltd.
Room 101, Building C, Qianwanying Science and Technology
Industrial Park, Baoan District, Shenzhen City, China

SPECIFICATION FOR APPROVAL

Model : WIFI MAIN:SLK-NSD-2516M1-R-2051V-B-DS-0.81

WIFI AUX:SLK-NSD-2516M2-R-4501V-G-DS-0.81

WIFI MAIN Antenna (2516M1)

1. Explanation of Product number :

S L K - N S D - 2 5 1 6 M 1 - R - 2 0 5 I V - B - D S - 0 . 8 1

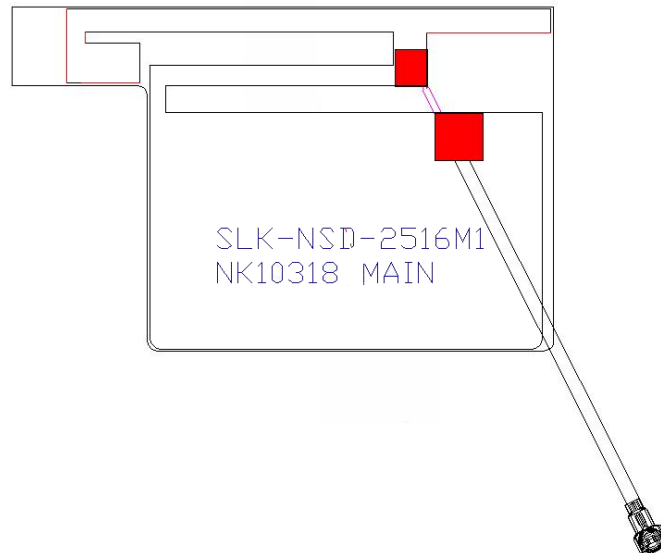
1

2

3

4

5



Product Code:

(1) Customer:

NSD:Nasda

(2) Project:

2516M1: SLK-2516M1 (WIFI MAIN antenna)

(3) Welding Position

R:Right

(4) Cable Length:

205IV: 205*0.81MM Fourth generation terminal low loss line

(5)Cable Color

B: Black

2. Features

*Stable and reliable in performances

*Compact size

*RoHS compliance

3. Applications

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

4. Description

Holy bond's FPC antenna series are specially designed for WIFI (802.11 a/b/g/n/ac) 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

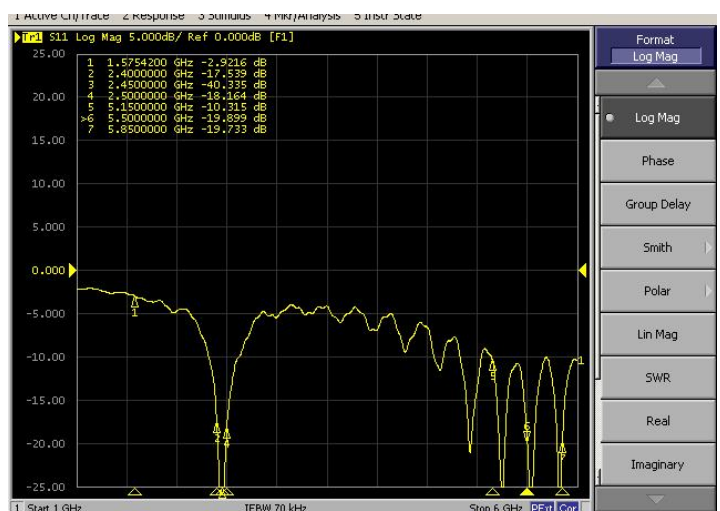
Characteristics	Specifications	Unit
Outline Dimensions	25.43x16.19x 0.12	mm
Center Frequency	2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR

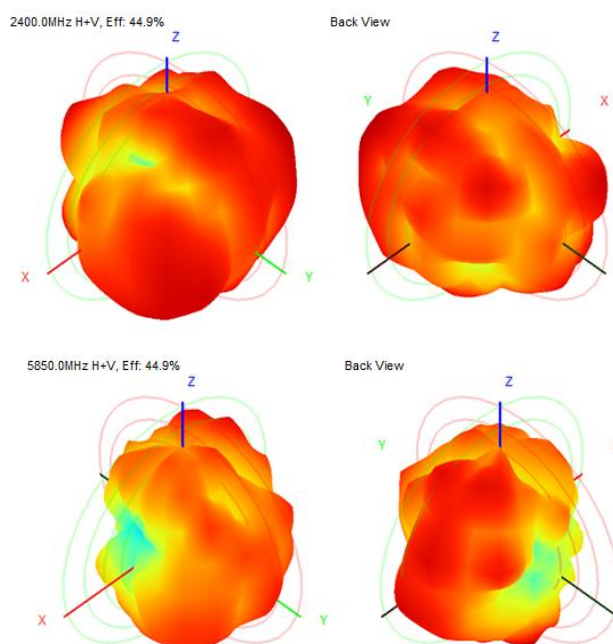


S11

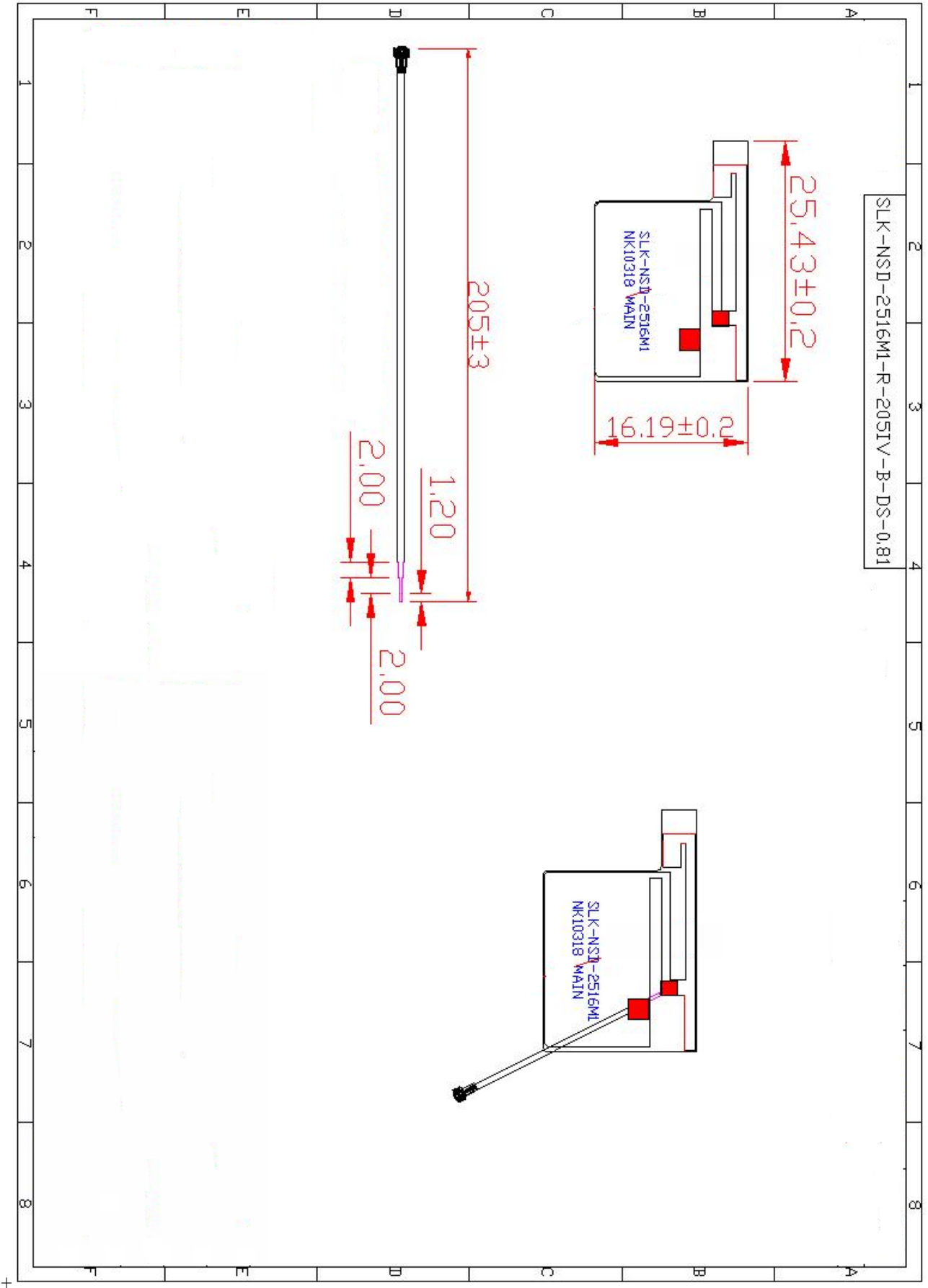


5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-3.47	1.02	44.91
2410.0	-3.35	1.23	46.22
2420.0	-3.34	1.42	46.32
2430.0	-3.38	1.64	45.85
2440.0	-3.47	1.39	44.93
2450.0	-3.61	1.48	43.55
2460.0	-3.57	1.57	43.93
2470.0	-3.42	1.20	45.46
2480.0	-3.42	1.41	45.49
2490.0	-3.32	1.72	46.46
2500.0	-3.39	1.75	45.79
5150.0	-3.35	1.67	46.19
5350.0	-3.43	1.69	45.34
5550.0	-3.35	1.51	46.23
5750.0	-3.47	1.74	44.89
5850.0	-3.47	1.02	44.91



6. Antenna Dimensions (unit: mm)



WIFI AUX Antenna (2516M2)

1.Explanation of Product number :

S L K - N S D - 2 5 1 6 M 2 - L - 4 5 0 I V - G - D S - 0 . 8 1

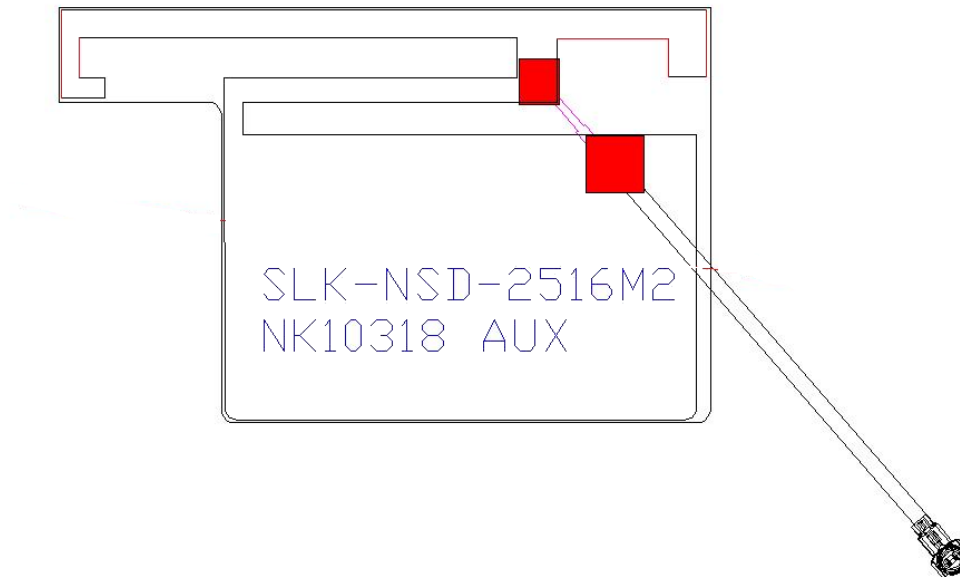
1

2

3

4

5



Product Code:

(1) Customer:

NSD: Nasda

(2) Project:

2516M2: SLK-2516M2(WIFI AUX antenna)

(3) Welding Position

L:Left

(4) Cable Length:

450IV:450*0.81MM Fourth generation terminal low loss line

(5)Cable Color

G:Gray

2. Features

- *Stable and reliable in performances
- *Compact size
- *RoHS compliance

3. Applications

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

4. Description

Holy bond's FPC antenna series are specially designed for WIFI (802.11 a/b/g/n/ac) 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.

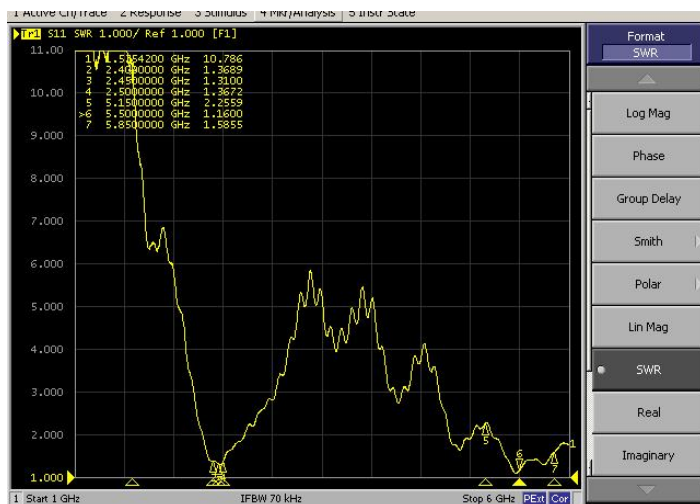
5. Electrical Specifications

5-1

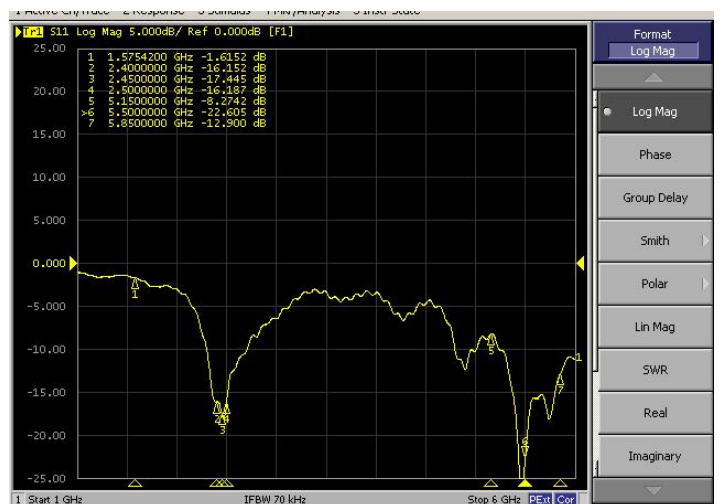
Characteristics	Specifications	Unit
Outline Dimensions	25.43x16.19x 0.12	mm
Center Frequency	2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR



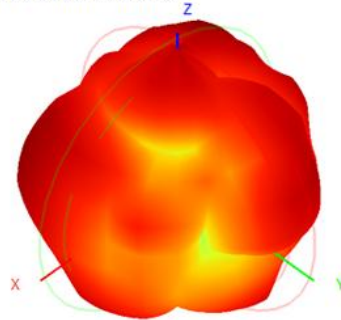
S11



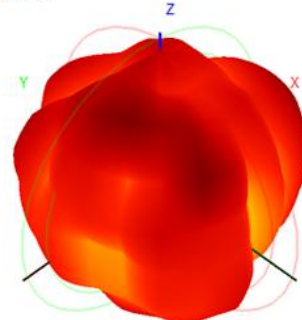
5-3.WIFI Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-3.58	1.82	43.77
2410.0	-3.72	2.00	42.40
2420.0	-3.63	2.20	43.30
2430.0	-3.49	1.85	44.67
2440.0	-3.51	1.50	44.49
2450.0	-3.57	1.14	43.91
2460.0	-3.57	1.30	43.92
2470.0	-3.64	1.30	43.19
2480.0	-3.61	1.33	43.50
2490.0	-3.61	1.53	43.46
2500.0	-3.63	1.27	43.31
5150.0	-3.28	0.29	46.94
5350.0	-3.31	0.21	46.58
5550.0	-3.43	1.10	45.34
5750.0	-3.19	2.31	47.88
5850.0	-3.58	1.82	43.77

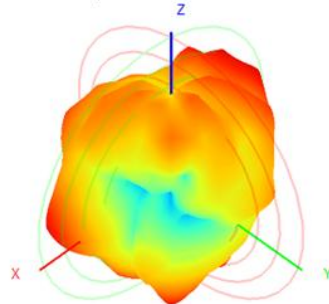
2400.0MHz H+V, Eff: 43.8%



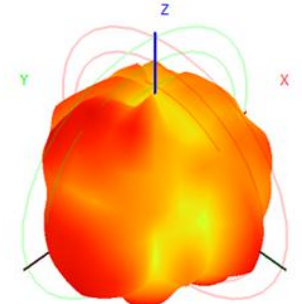
Back View



5850.0MHz H+V, Eff: 47.9%



Back View



6. Antenna Dimensions (unit: mm)

