



IO01HL0260-3101

WiFi FPC Antenna

Product Specification



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# 1. Structural Drawings

Unit: mm

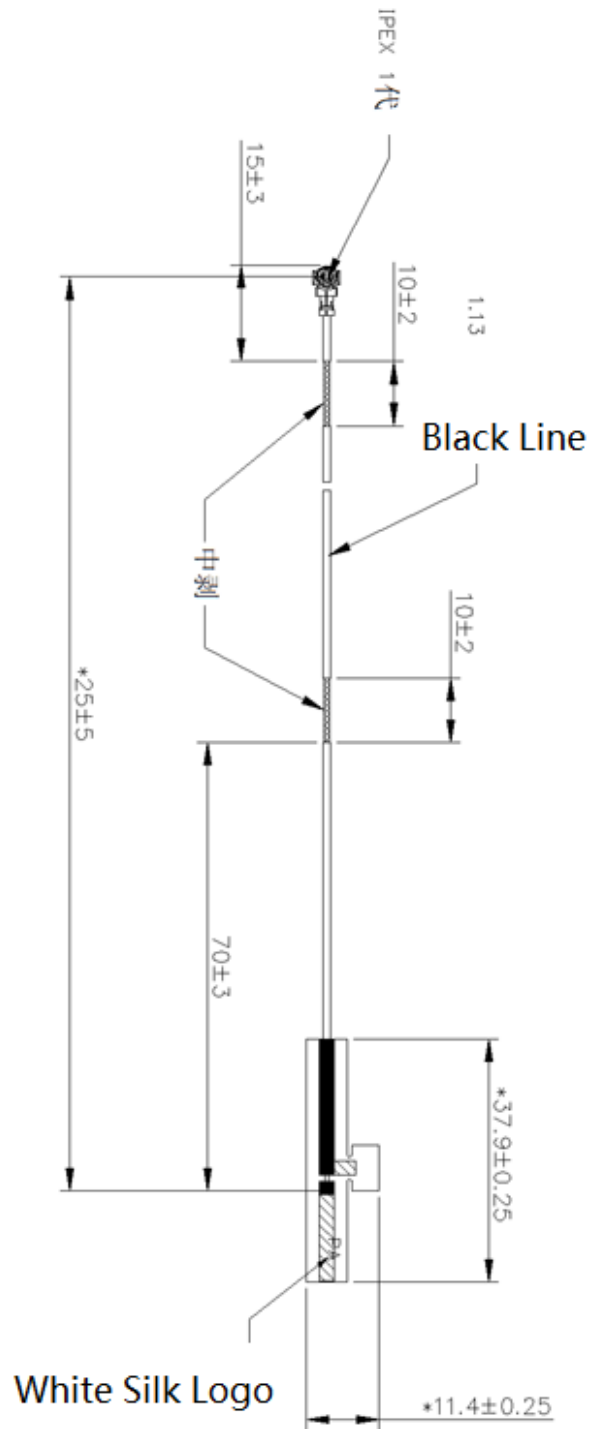


Figure 1 Antenna Outline Dimension

## 2. Performance Parameter Table

Project	Parameter Item	Parameter Index	Explain
<b>Electrical Performance Requirements</b>	Frequency Range	2400~2480MHz 5150~5850MHz	
	Test conditions	Test with Equipment Tooling	
	Gain	1dBi	Max, with Cable
	Standing Wave Ratio	$\leq 3:1@2400\sim 2480\text{MHz}$ $\leq 4:1@5150\sim 5850\text{MHz}$	with Cable
<b>Structural Appearance Requirements</b>	Antenna Body Size	Refer to Structure Drawing	
	Interface processing method	$\Phi 1.13\text{mm}$ cable+ IPX	
	Color	Black	
<b>Environmental Adaptability Requirements</b>	Storage Temperature	-20 ~ +40°C	
	Salt Mist	24H	
	Environment Protection	RoHS	
	Bending	$\geq 10$	

## 3. Test Data

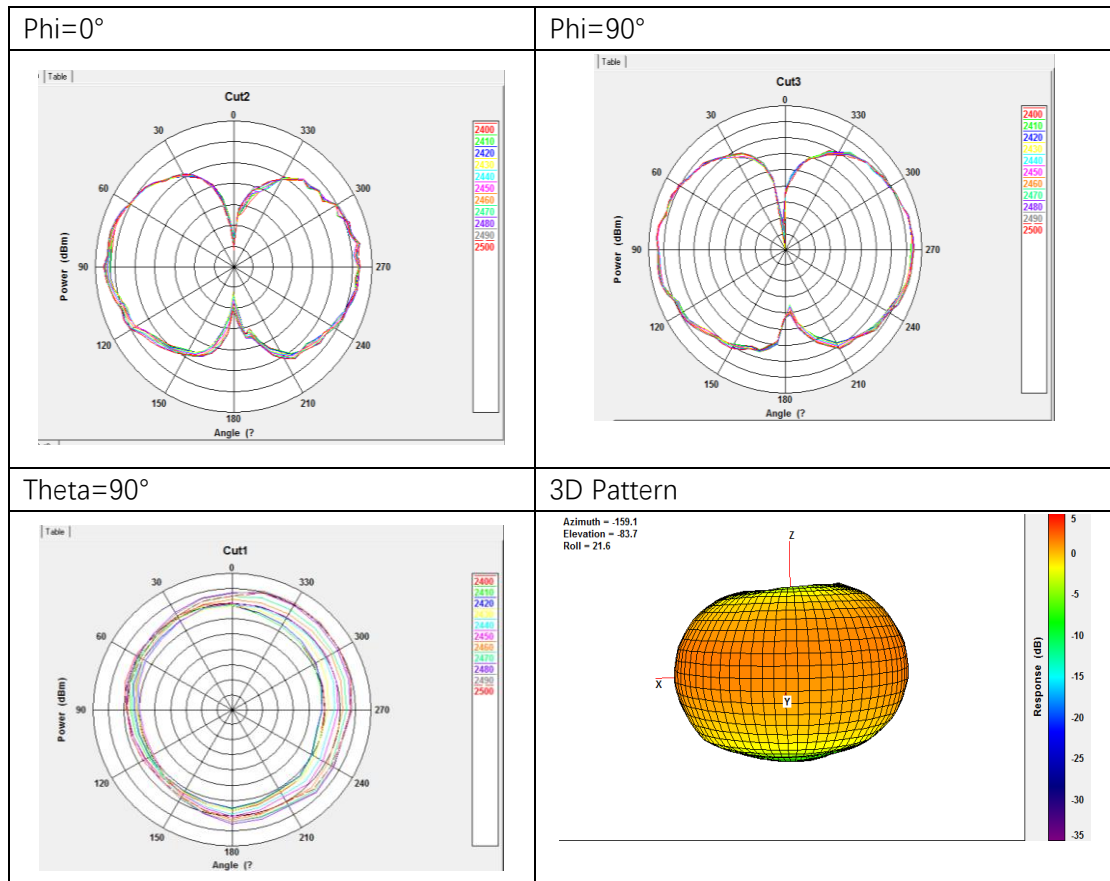
### 3.1 Efficiency and Gain

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	84.7	0.30
2410	82.0	1.00
2420	80.7	0.90
2430	82.4	1.00
2440	85.2	0.85
2450	86.0	0.88
2460	90.2	0.79
2470	91.6	0.81
2480	90.6	0.91
2490	90.0	0.85
2500	91.5	0.67

Frequency (MHz)	Efficiency (%)	Gain (dBi)
5150	64.25	0.71
5200	57.36	0.77
5250	59.48	0.67
5300	62.30	0.81
5350	61.72	0.65
5400	67.59	0.66
5450	63.91	0.71
5500	62.87	0.67
5550	56.15	0.78
5600	67.53	0.84
5650	68.89	0.76
5700	68.68	0.77
5750	72.92	0.81
5800	73.78	0.82
5850	74.01	0.69

### 3.2 Directional Pattern

2400-2500MHz



5150-5850MHz

