



SPECIFICATION

APPLICATION FOR APPROVAL

CUSTOMER: Jushenzhiren

CUST P/N:

PART NAME: FPC Antenna

DEVE NO: WTTX240353B

WUTONG NO:

REVISION

REV.NO.	DATE	DESCRIPTION
X1	2026.03.05	APPROVAL

Customer		
Approved by		
Wutong Holding Group Co., Ltd		
Drawn by	Checked by	Approved by



1、Electrical parameters

Frequency	2.4~2.5GHz/5.15~5.85GHz
Impedance	50 ± 2 Ohm
S.W.R.	≤ 2.0 (FOR chassis test)
Max Input Power	≥ 5 W

2、Mechanical parameters

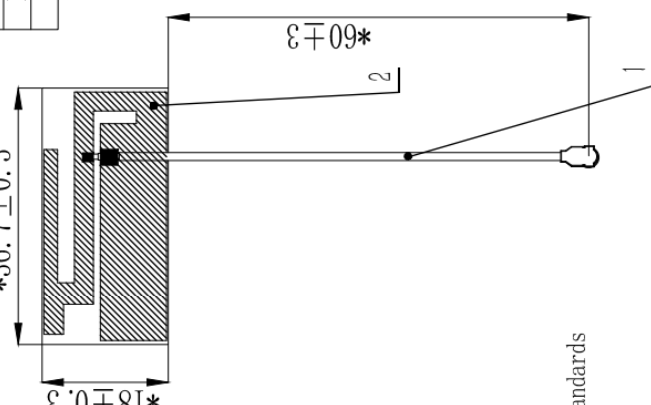
Connector Type	MHF PLUGFOR 1.13Cable
Cable Type	1.13 Coaxial cable, black
Packaging	PE bag packaging

3、Operating/ Storage Temperature

Operating Temperature	-30°C~65°C
Storage Temperature	-30°C~65°C



4: Product drawings

A		B		C		D		E		F		G									
										History											
										Version		Description									
										XI		INITIAL RELEASE									
										Date		ECN Code									
										20260227											
																					
Technical Requirements: 1. Operating frequency: 2.40-2.50GHz/5.15-5.85GHz 2. VSWR: ≤ 2.0 (FOR chassis test) 3. Comparison testing of mass-produced samples 4. The appearance must comply with relevant inspection standards 5. The product must comply with ROHS requirements																					
THE UNMARKED TOLERANCE ARE AS BELOW : <table border="1"><thead><tr><th>LENGTH</th><th>ANGLE</th></tr></thead><tbody><tr><td>0-6.0</td><td>±0.05mm</td></tr><tr><td>6.0-30</td><td>0.0 ±0.0</td></tr><tr><td>30-120</td><td>0.0 ±0.0</td></tr></tbody></table> Note 1. Critical dimensions need to be measured 2. General tolerance need to follow GB/T1801-M & GB/T1818-K Please follow ROHS 2.0 for the hazardous substances: Pb/Hg/Cr6+/PBDE/PBDE/DBP/DEHP/DBP/BBP<1000ppm and Cd<100ppm														LENGTH	ANGLE	0-6.0	±0.05mm	6.0-30	0.0 ±0.0	30-120	0.0 ±0.0
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Wutong Holding Group Co. Ltd.																					
Product Name: FPC Antenna																					
Product P/No: WUTONG																					
Project No: WTTX240353B																					
Scale: 1:1																					
Unit: mm																					
Format: A4																					
Version: 1																					
Page No: 1/1																					
Drawing:																					
Approved:																					
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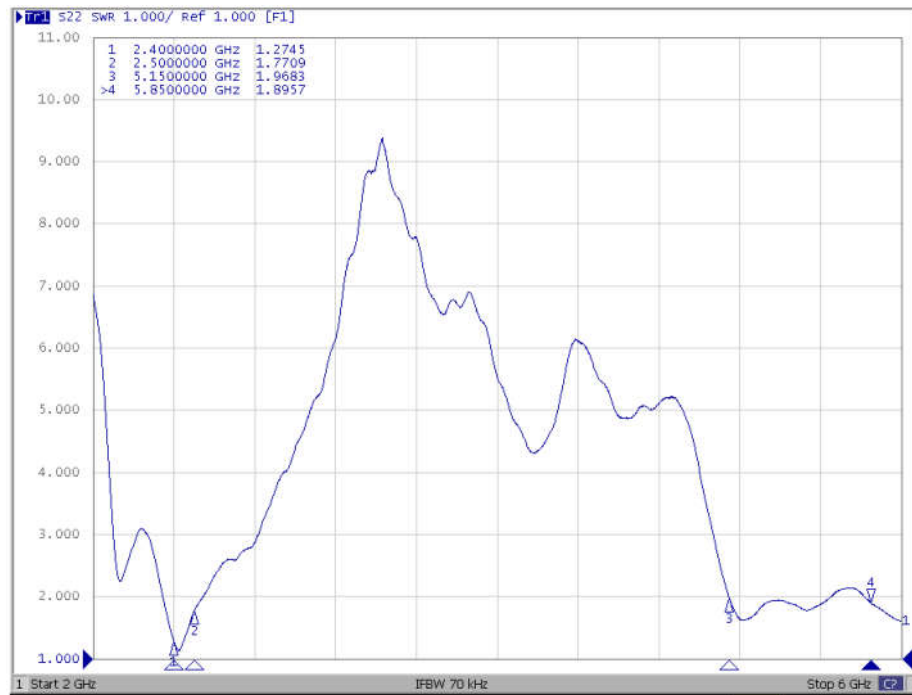
No.	Name	Material	Qnt.	WutongCode
2	FPCB	Specification: L36.7 * 18mm, 18/25 electrolytic copper; Adhesive backing 3M467; Single sided black oil, OSP solder pad	1	
1	Cable	1.13 Double tin wire; Black end with MHF L=72.2mm	1	

Format No. WTTX/R-49



5: Test report

5.1: VSWR



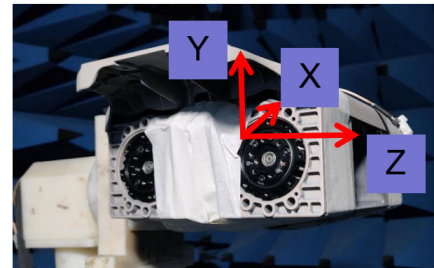
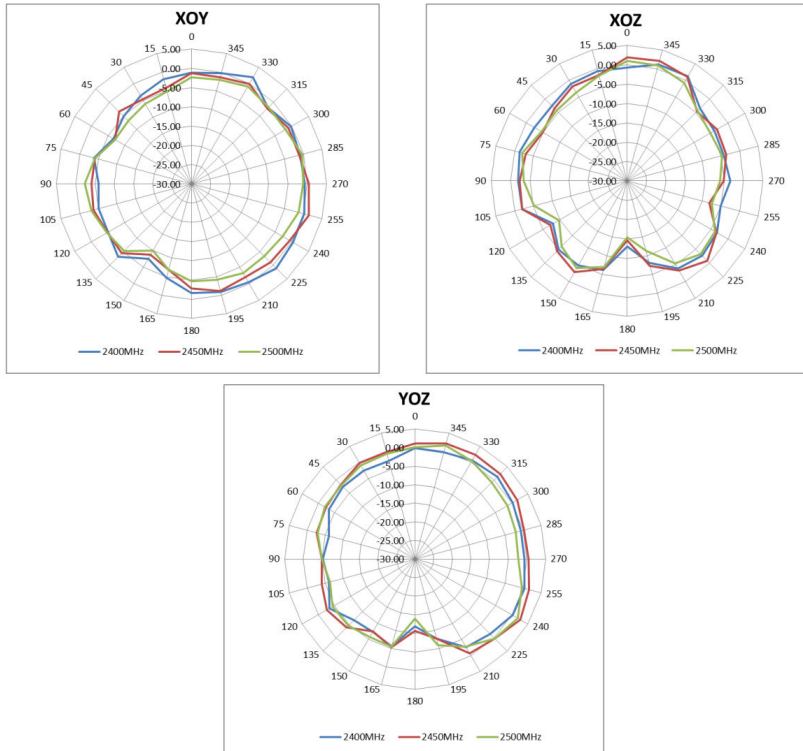
5.2: Gain&Efficiency

Freq(MHz)	Effi(%)	Gain(dBi)
2400	48.49	3.07
2410	49.75	3.27
2420	54.58	3.44
2430	56.26	3.50
2440	58.91	3.98
2450	59.01	3.85
2460	57.70	3.61
2470	52.74	3.41
2480	50.16	3.22
2490	49.51	3.11
2500	49.22	3.04
5150	60.74	3.26
5250	61.84	3.90
5350	58.66	3.98
5450	56.24	3.43
5550	59.28	3.94
5650	62.64	3.36
5750	61.49	2.92
5850	63.47	3.87



5.3: 2D directional diagram

2.4G



5G

