



明漢科技有限公司

HAN-TECH ORGANIZAION LTD

APPROVAL SHEET

Customer:

Customer Model No.: HT870001

Part No.:

Product Description: Antenna:WLAN 2.4GHz~2.5GHz (RoHS)

Issue Date:

REV.: A

客戶承認用印	明漢承認用印

HAN-TECH ORGANIZAION LTD

明漢科技有限公司

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1. Drawing

2. Test Report

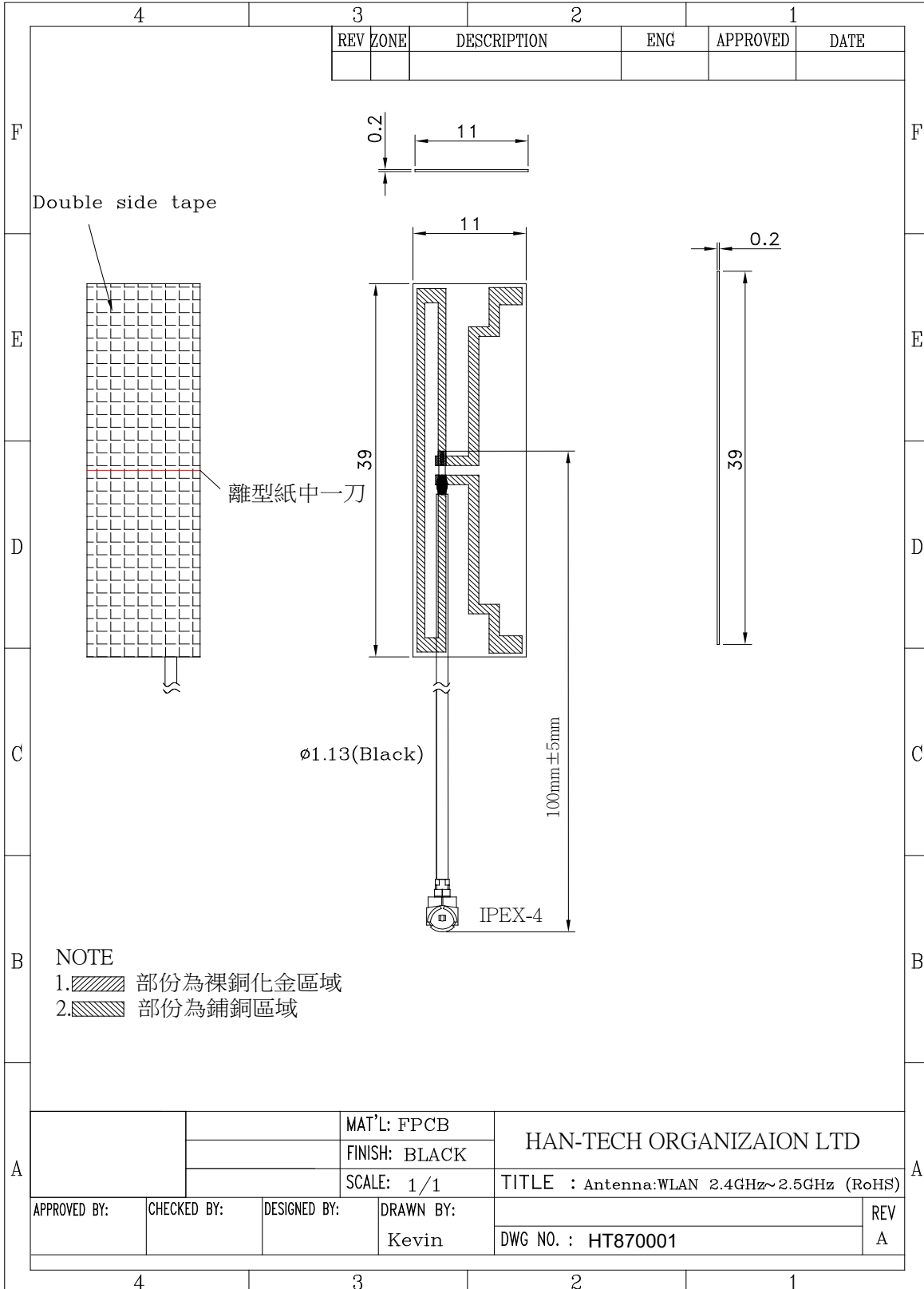
- Electrical test
 - Pattern test
 - Antenna Gain and Efficiency
-
-

3. Material Certifications

- Connector

SPECIFICATION

Frequency Range	2400~2500MHz
Impedance	50Ω
V.S.W.R	≤ 2.0
Gain	3dBi
Mechanical Properties	
Whip	FPCB
Connector	Brass
Weight	-
Operating Temp	-20℃~+65℃

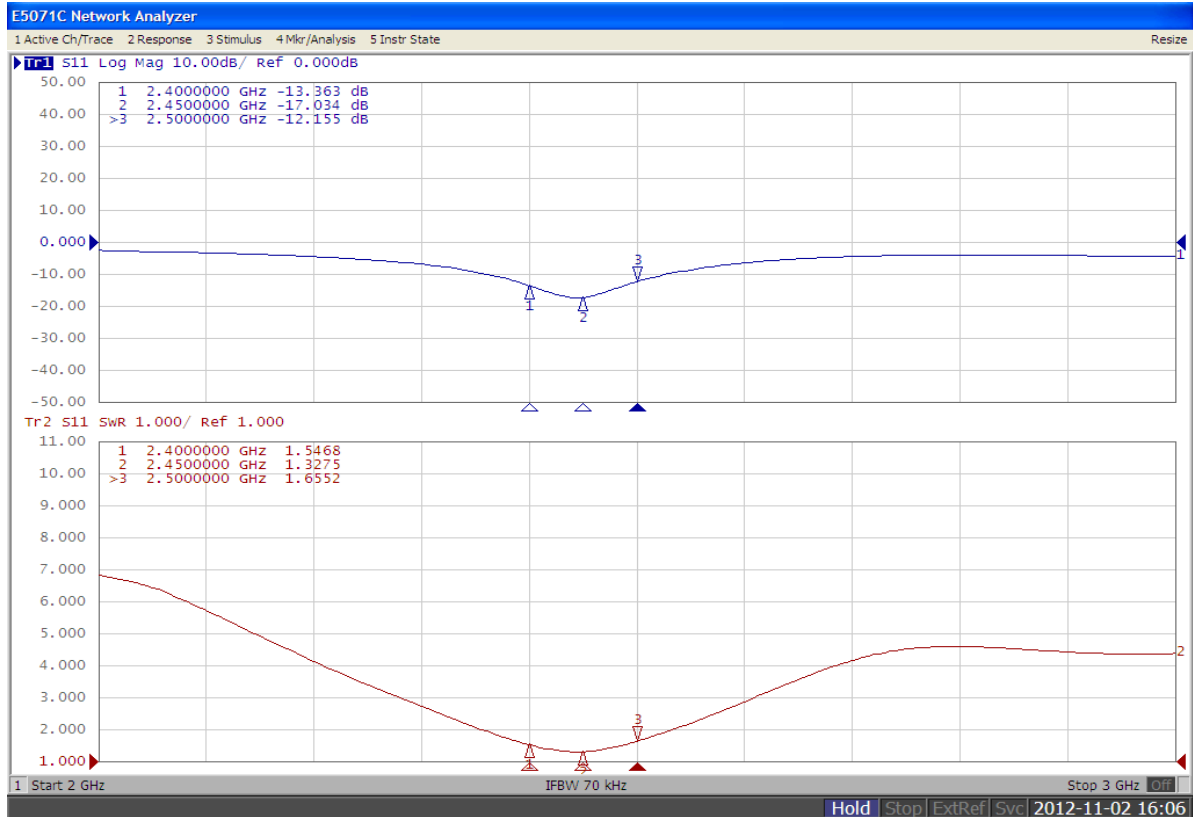


REV	ZONE	DESCRIPTION	ENG	APPROVED	DATE

- NOTE
- ▨ 部份為裸銅化金區域
 - ▨ 部份為鋪銅區域

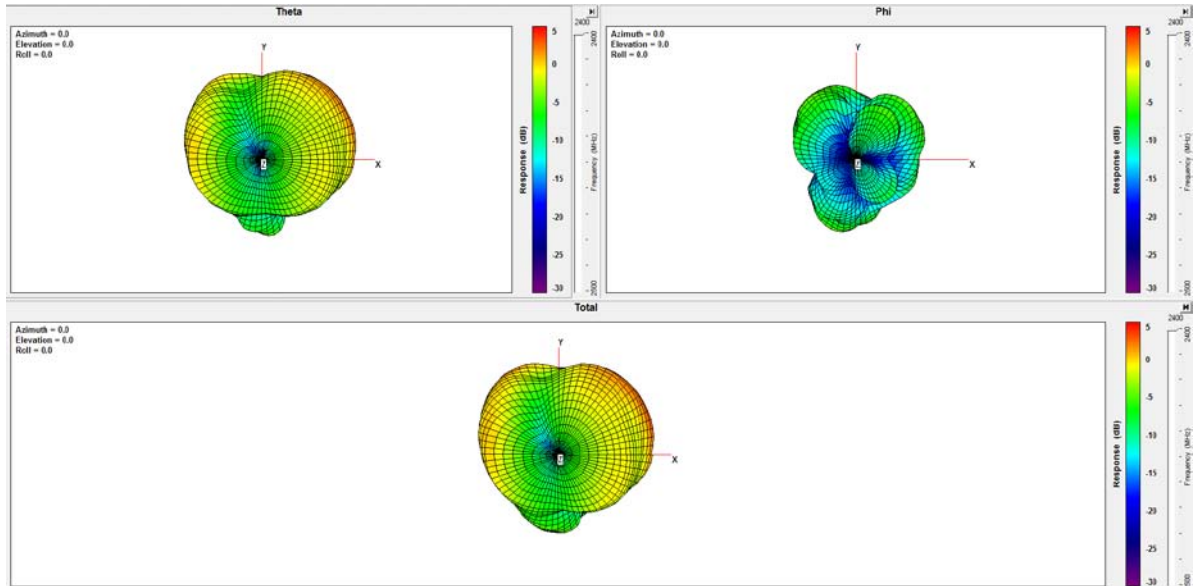
		MAT'L: FPCB		HAN-TECH ORGANIZAION LTD	
		FINISH: BLACK		TITLE : Antenna: WLAN 2.4GHz~2.5GHz (RoHS)	
		SCALE: 1/1			
APPROVED BY:	CHECKED BY:	DESIGNED BY:	DRAWN BY:	REV	
			Kevin	A	
				DWG NO. : HT870001	

Electrical test



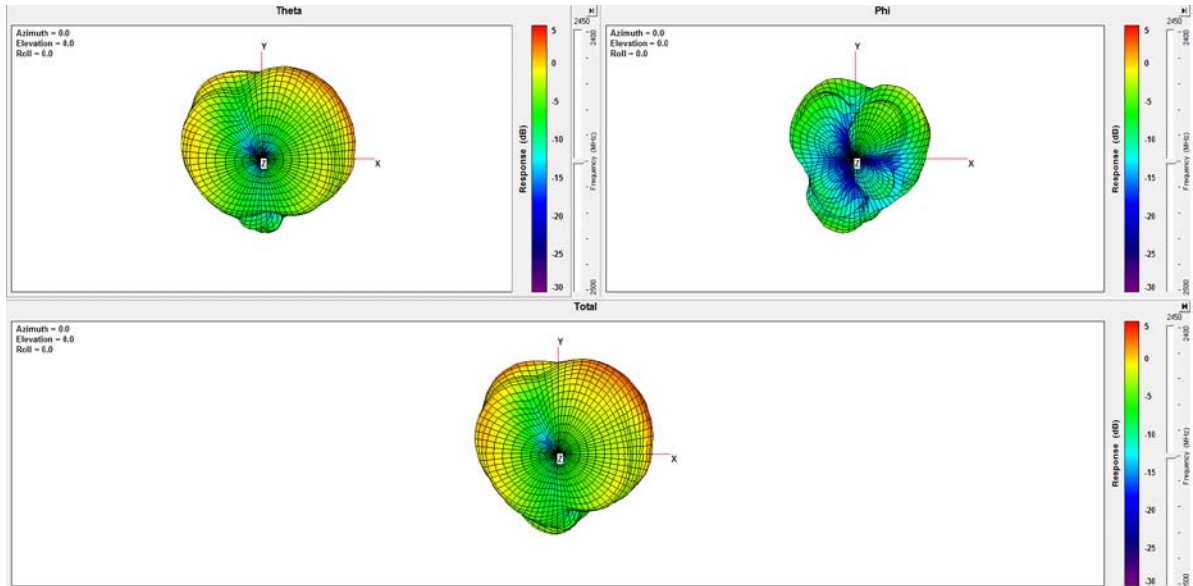
Pattern Test

2400MHz



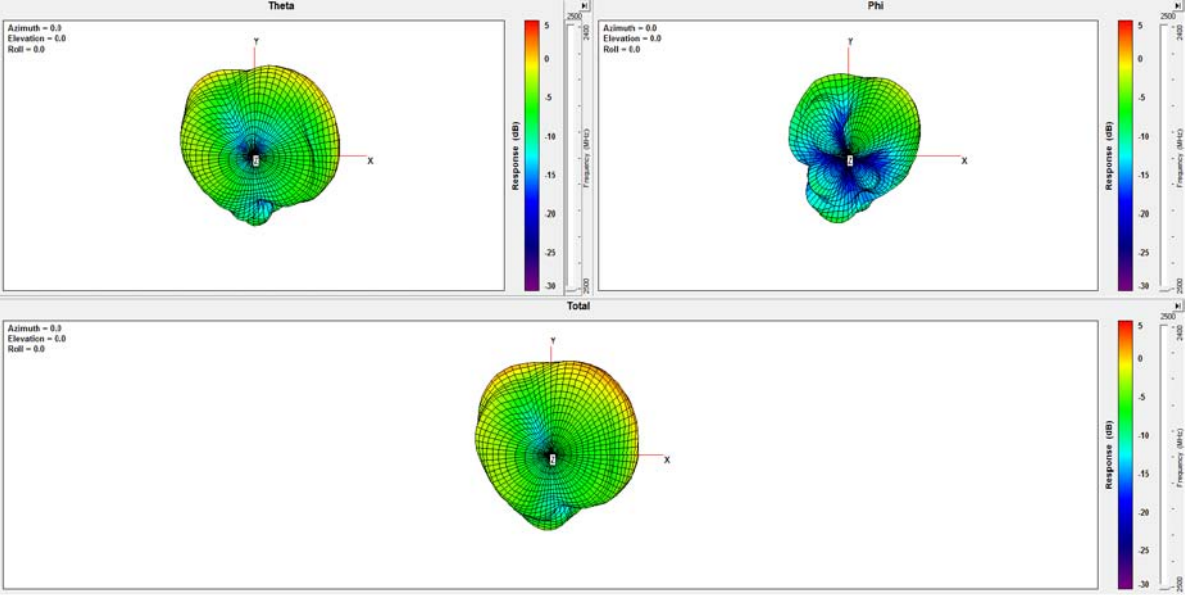
Pattern Test

2450MHz



Pattern Test

2500MHz



Antenna Gain and Efficiency

Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	2.77	3.00	3.16	3.23	3.16	3.44	3.36	3.48	3.59	3.55	3.44
Directivity (dBi)	5.62	5.74	5.72	5.65	5.51	5.58	5.64	5.81	5.93	6.10	6.20
Efficiency (dB)	-2.85	-2.74	-2.56	-2.42	-2.35	-2.14	-2.28	-2.32	-2.34	-2.55	-2.76
Efficiency (%)	56.85	58.24	60.46	62.28	63.25	66.05	64.14	63.57	63.30	60.55	57.92