

Parts Specification Cover

Customer	Wistron Neweb Corporation
WNC P/N	08.20070.001
Supplier	士誼科技股份有限公司
Brand	
Supplier P/N	IHF-2120MPA9-W015
Revision	

MFG	ADDRESS	TEL
士誼科技股份有限公司 Tel: +886-3-4335698 Fax: +886-3-4336340 桃園市中壢區中壢工業區東園二路5號	士誼科技股份有限公司 Tel: +886-3-4335698 Fax: +886-3-4336340 桃園市中壢區中壢工業區東園二路5號	士誼科技股份有限公司 Tel: +886-3-4335698 Fax: +886-3-4336340 桃園市中壢區中壢工業區東園二路5號

approval	reviewer	prepared
		

承 認 書

APPROVAL SHEET

CUSTOMER: 啟碁科技

CUSTOMER MODEL NO.:

JOYMAX MODEL NO.: IHF-2120MPA9-W015

DESCRIPTION: #2120 Antenna

REV.: B

DATE: 2024/7/29

Customer Approval

Joymax Approval



Tel:+886-3-4335698 Fax:+886-3-4336340
E-mail: info@joymax.com.tw

桃園市中壢區中壢工業區東園二路5號
No.5 Dong Yuan Rd.2,Jhongli industrial Park,
Jhongli Dist,Tao Yuan,Taiwan,R.O.C.
<http://www.joymax.com.tw>

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Modification History:

Rev.	Date	Content
A	2024/7/18	
B	2024/7/29	Specification Add Antenna Type

1. Specification & Dimension

REV ZONE		DESCRIPTION		ECN NO.	ENG	APPROVED	DATE
4F		Add Antenna Type					

Electrical Properties	
Frequency Range	2.4~2.4835GHz
Impedance	50Ω
V.S.W.R.	≤2.3
Radiation	Omni
Gain	Unity
Polarization	Vertical
Antenna Type	Monopole
Test Ground Size	120*120*30mm
Mechanical Properties	
Radome Material	Plastic /White
Connector Type	I-PEX MHF1
Dimension	L=14mm
Weight	3 g (est.)
Operating Temp.	-40°C ~ +75°C
Storage Temp.	-40°C ~ +75°C

Technical drawing of the antenna assembly. The main assembly consists of a radome (length 12mm, diameter 7.8±0.5mm), a connector (length 14mm, diameter 5.35mm, 9Hex.), a heat shrink tube (length 10mm, diameter 5.35mm), a cable (length 150±10mm, diameter 1.13mm), and an I-PEX MHF1 connector. A detail view shows a nut (length 1.8mm, diameter 8mm, 8Hex.) and a washer (diameter 10.5±0.5mm).

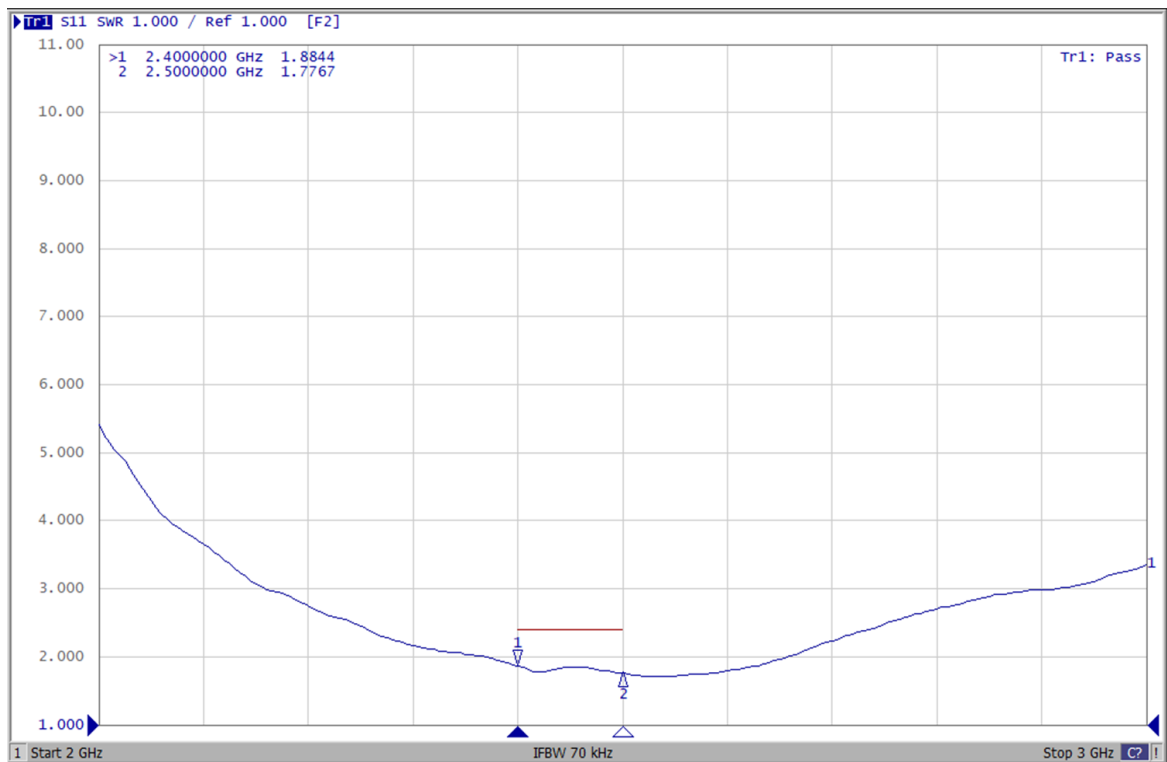
UNLESS OTHERWISE SPECIFIED TOLERANCES ON:	DRAWN BY: lcn	MATERIAL:	TITLE : #2120 Antenna
X ± 1	DESIGNED BY:	FINISH:	DRAW NO.: SSP-230281
XX ± 0.5	CHECKED BY: KYLIU	SCALE: 2/1 UNIT: mm	PART NO.: IHF-2120MPA9-W015
XXX ± 0.25	APPROVED BY: SARA	DATE: 2024/07/23	
ANG. ± 20°		REV: B	

僅供參考
ONLY FOR REFERENCE
有效期限 2024/12/31~2024/12/31
Time of validity

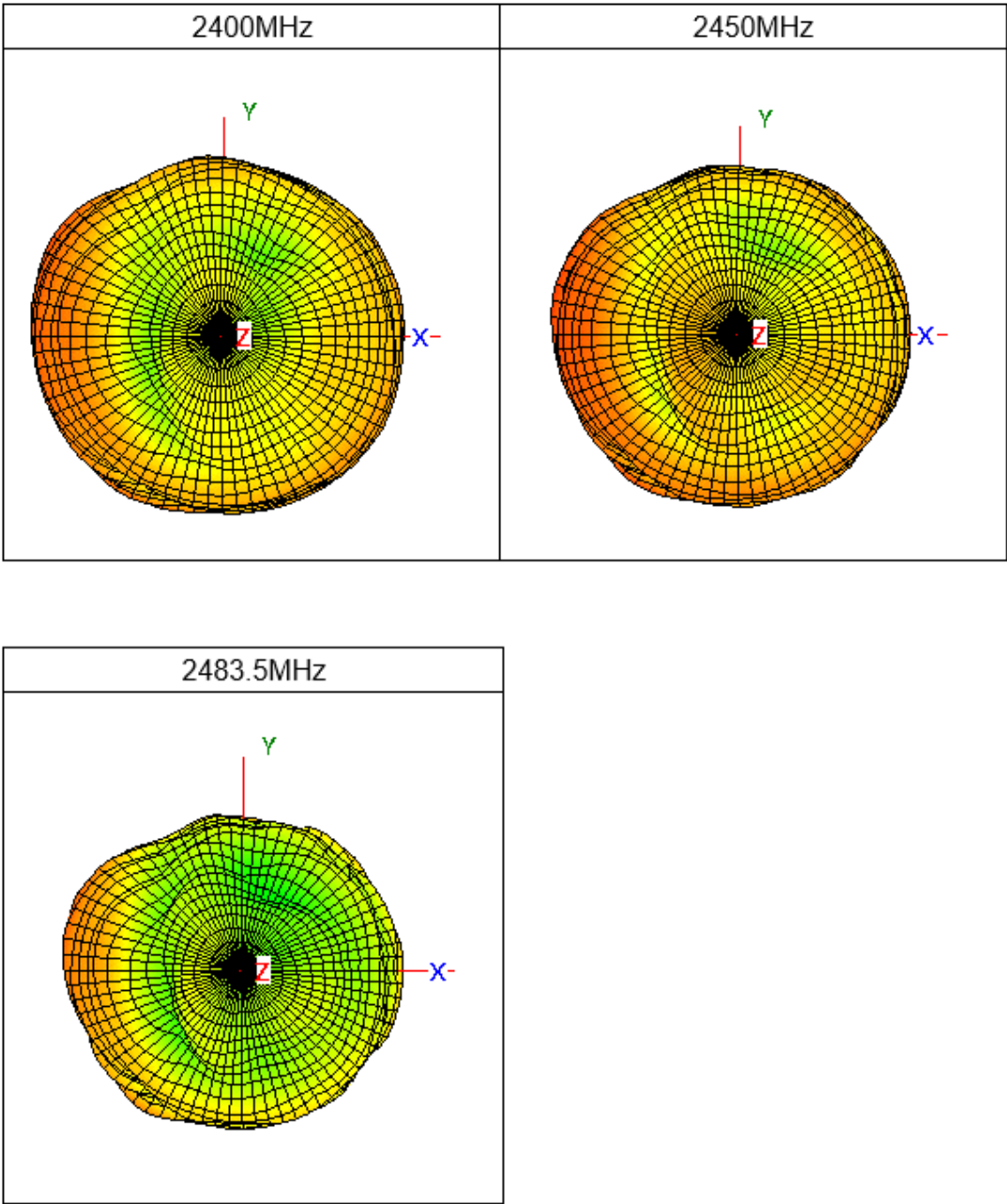
JOYMAX INC.

2.Test Condition & Report

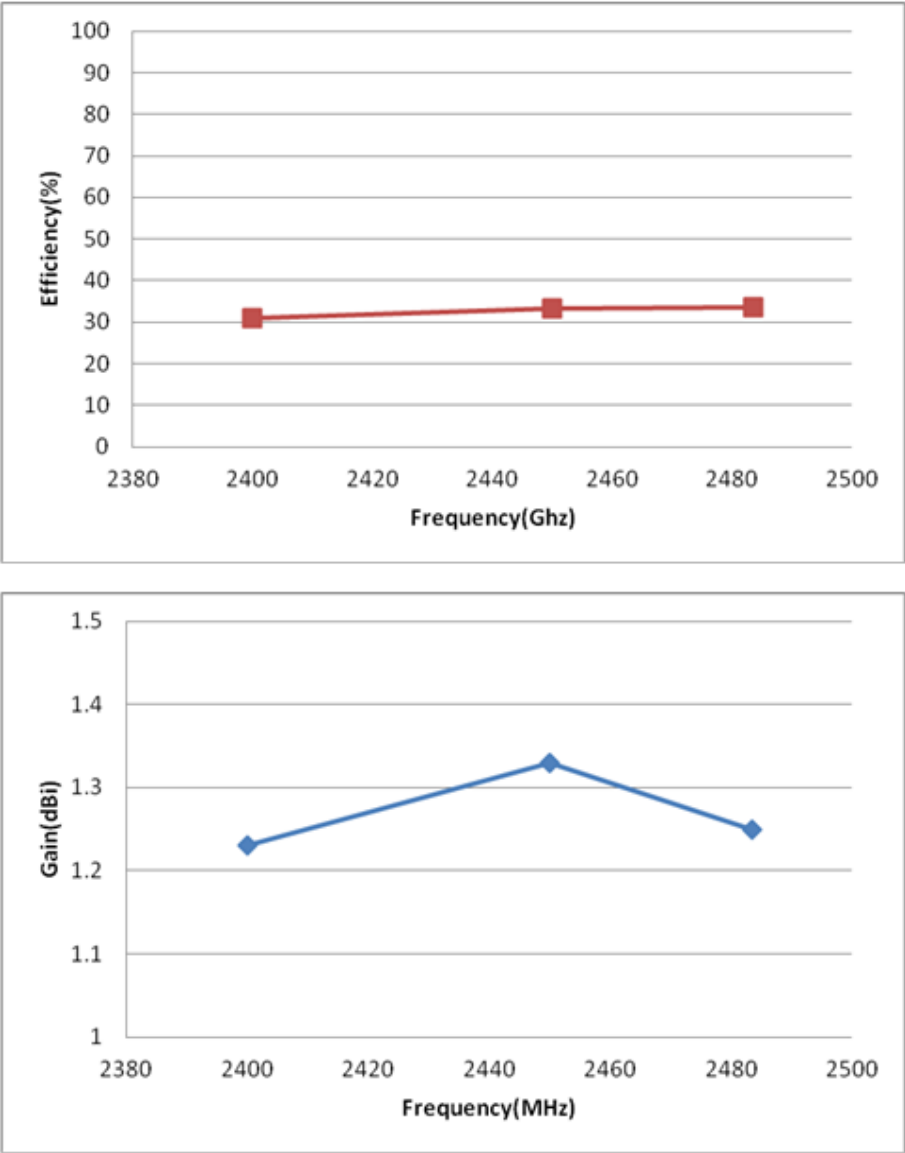
2.1 V.S.W.R



2.2 Pattern



2.3 Gain and Efficiency



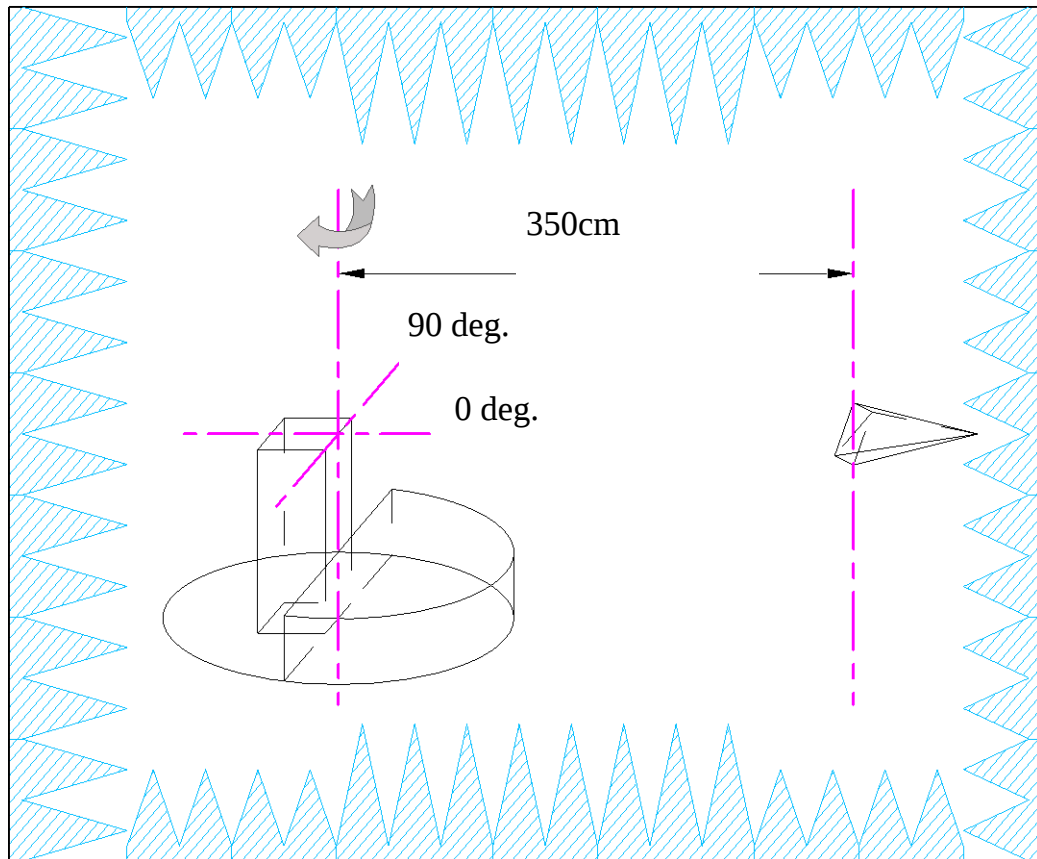
Frequency (MHz)	2400	2450	2483
Gain (dBi)	1.23	1.33	1.25
Efficiency (%)	31.06	33.21	33.52

Pattern Test Equipment

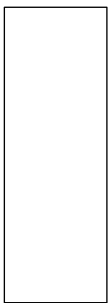
Anechoic chamber: 100MHz~6GHz 8*6*6m (※ 1m Quiet zone at 800MHz)

Source Antenna: ETS-3164 Dual Polarized Horn

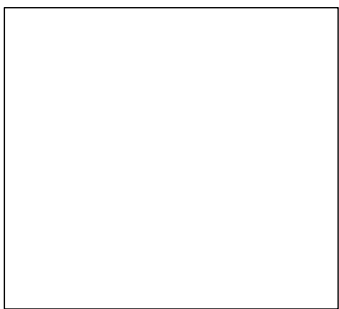
Network Analyzer: Agilent E5071B 100kHz~8.5GHz



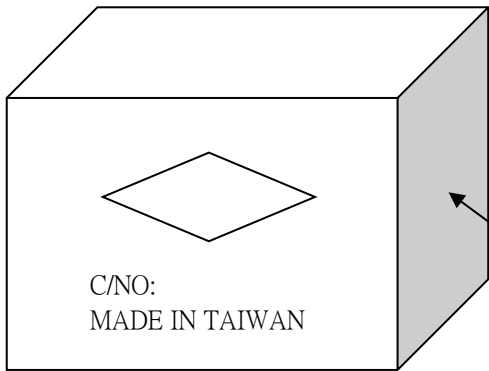
3. Package



① 10pcs antenna / 1 PE bag



② 50pcs antenna / 1 PE bag



③ 1000pcs antenna / 1 Carton

MODEL No.:	
Q'ty:	PCS
N.W:	PCS
G.W:	PCS

Packing q'ty is for reference only, adjust it based on production packing.