Approval Sheet

Customer :	東荃
Project Name :	7NB
Customer P/N :	
Anjie P/N :	AJDF1J-B0005
Product Description :	Antenna Internal WiFi / IPEX_I / L=70mm / Black
Issue Date :	2020 / 11 / 09
Reversion :	A

Customer Approved	Anjie Approved

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Content

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3. SWR Test Data

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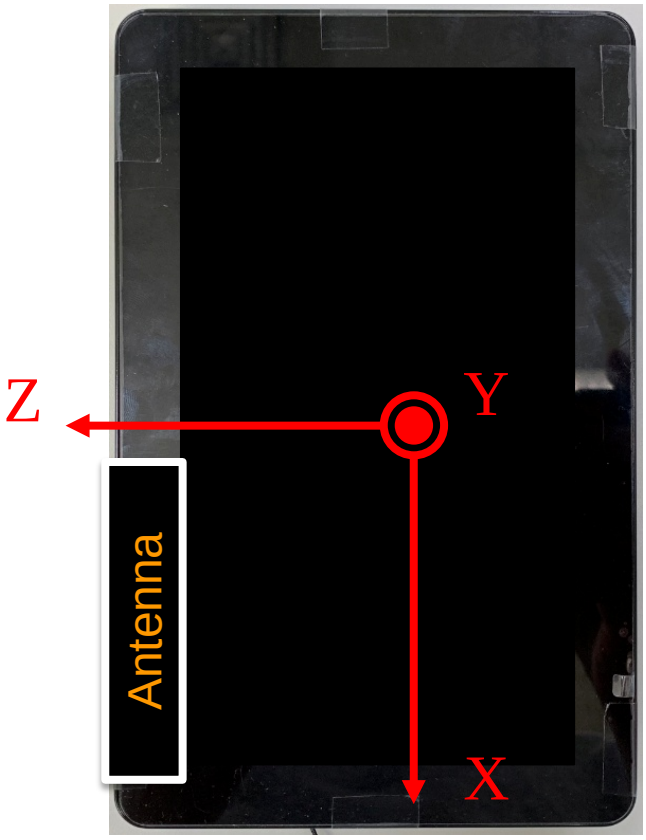
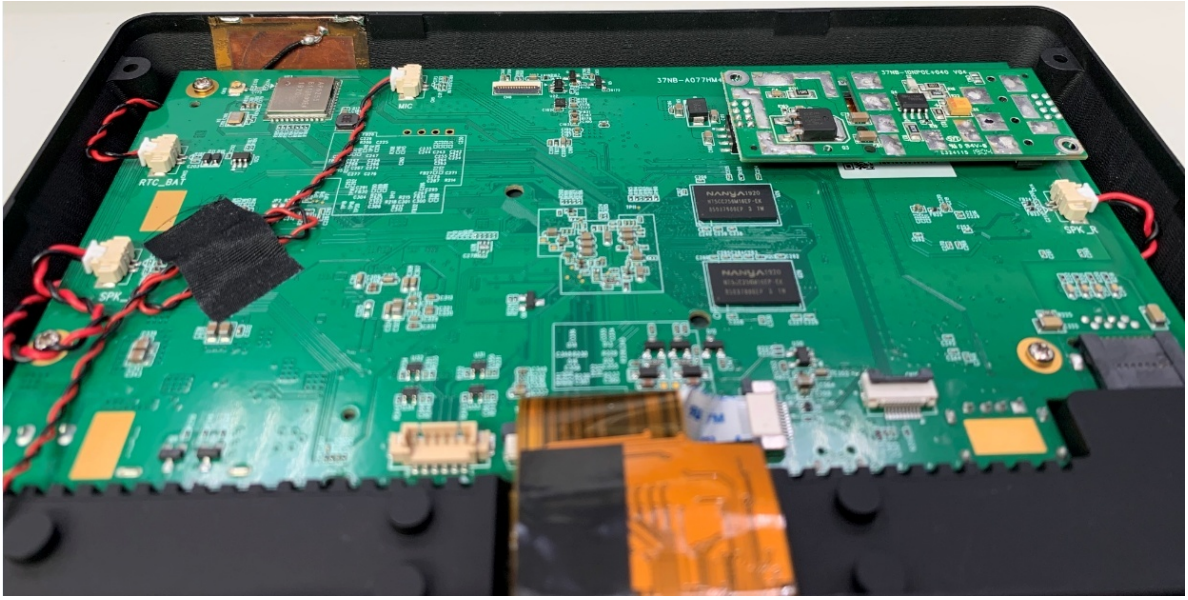
1. Product Photos and Configuration





2. Specification

. Product Number :AJDF1J-B0005
. Version : A

Electrical Characteristics

. Frequency (MHz) : 2400-5850 MHz
. S.W.R. : <= 2.0
. Efficiency : 58.8 %
. Peak Gain : 3.55 dBi
. Impedance : 50 ohm
. Polarization : Linear

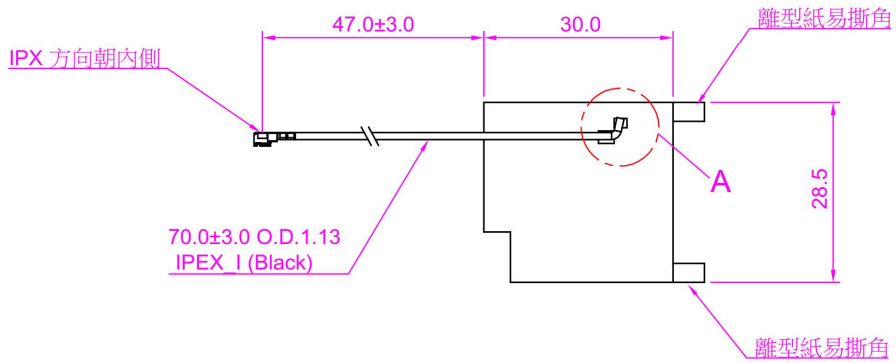
Mechanical Characteristics

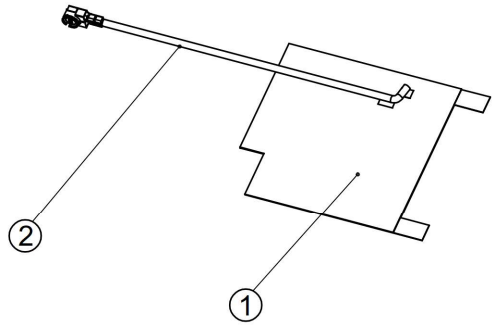
. Cable / Connector : O.D. 1.13mm / IPEX
. Cover Material : FPCB
. Material : RoHS Compatible /
RoHS 2011/65/EU with IEC 62321:2008 Method

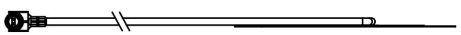
Environmental Condition

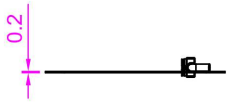
. Operation Temperature : -30 ~ +65 ºC
. Storage Temperature : -30 ~ +75 ºC

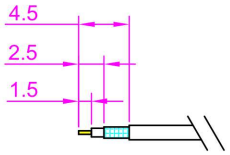
REV	DATE	DESCRIPTION
1	2019.09.02	New Release











DETAIL A

台灣安潔電子股份有限公司
108.9.4
送認書專用章

No.	Part No.	Description	Q'ty	REV
2	901-02541-00	O.D. 1.13mm IPEX_I ; Lengh=70mm(Black)	1	X1
1	502-00127-00	FPCB 30*28.5*0.15mm	1	X1

UNLESS OTHERWISE SPECFIED
Tolerance ON:
X.X ±0.5 X° ±1.0
X.XX ±0.2

anjie **Taiwan Anjie Electronics Co.,Ltd**

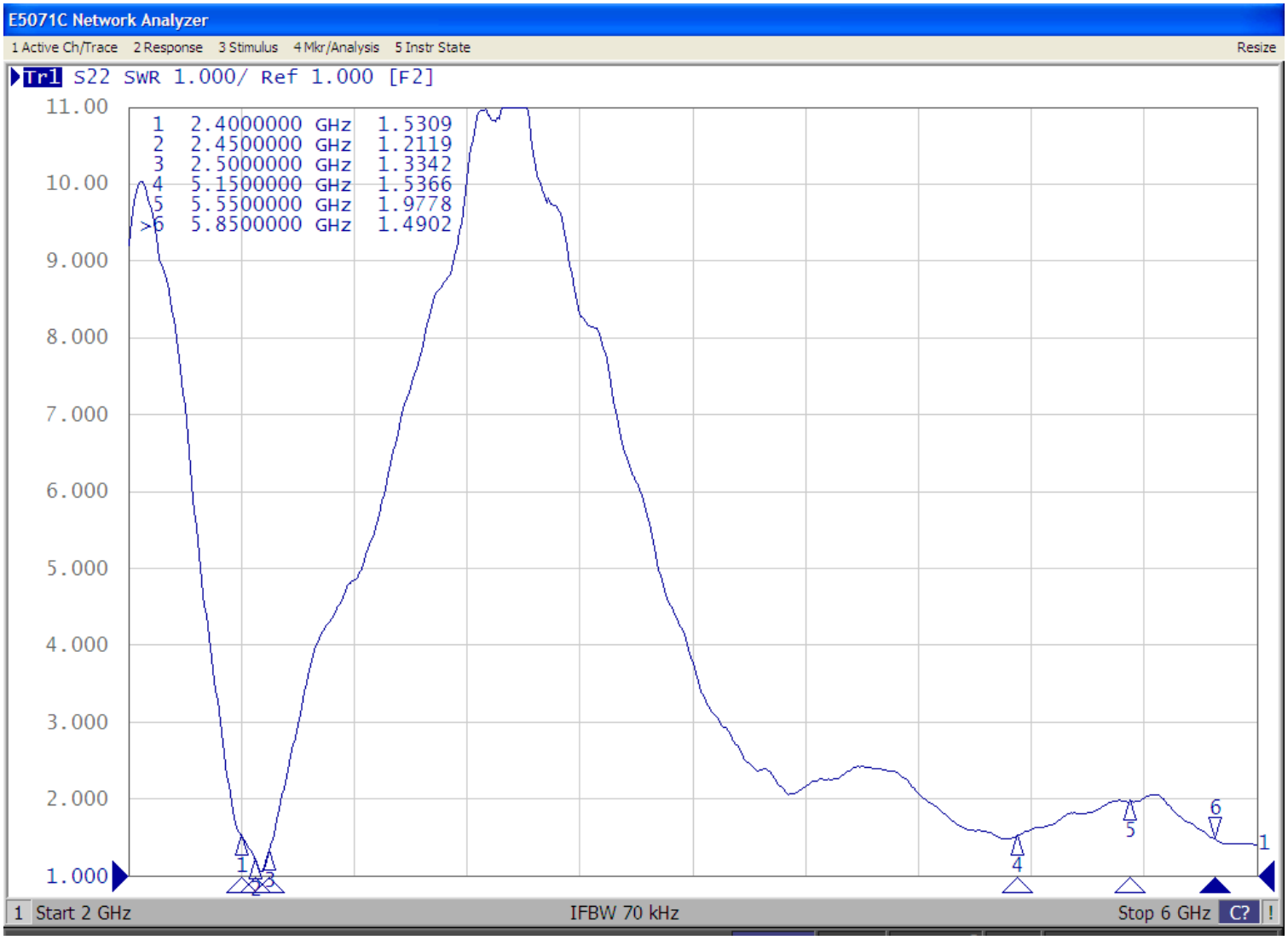
Customer Model: 7NB

TITLE: Antenna Internal WiFi

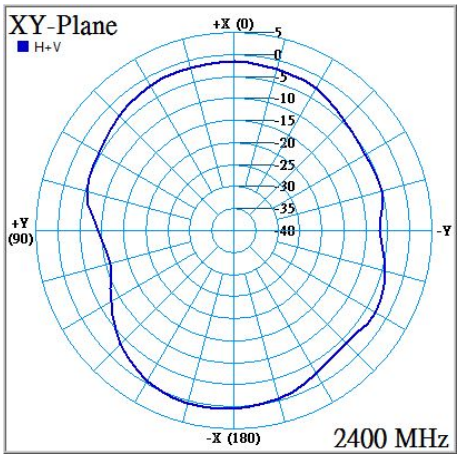
PART NO.: AJDF1J-B0005

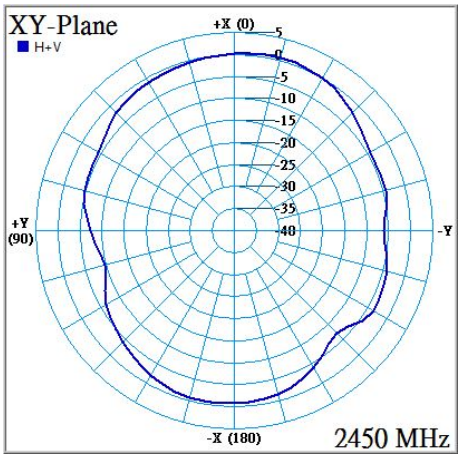
APP BY	CHK BY	DES BY	Sheet	UNITS	SCALE	REV
Lin 2019.09.02 Grant	Chang 2019.09.02 Tony	Kuo 2019.09.02 Doris	1 of 1	mm	1 /1	X1

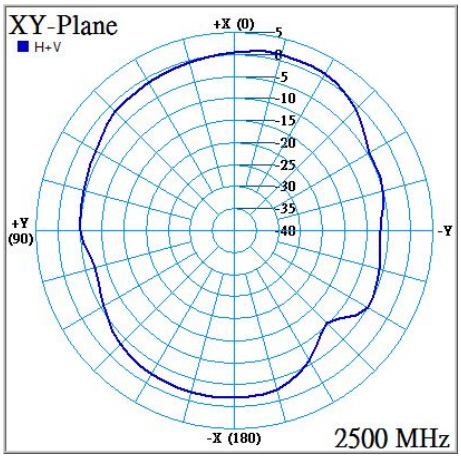
3. S.W.R. Test Data

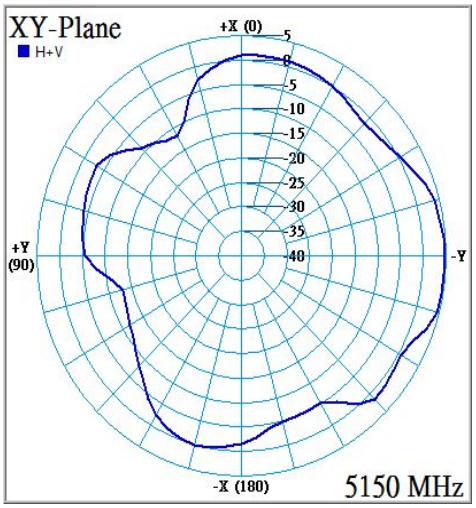


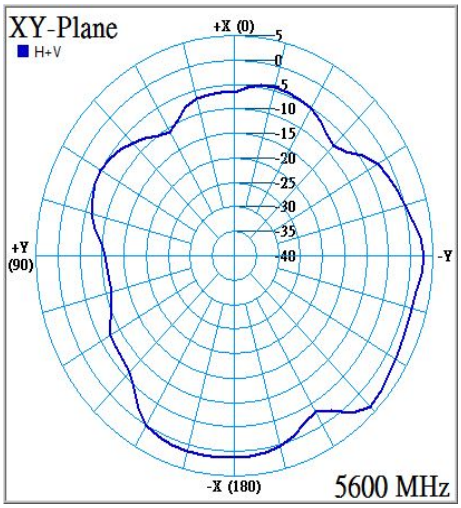
4. Gain / Efficiency Test Data

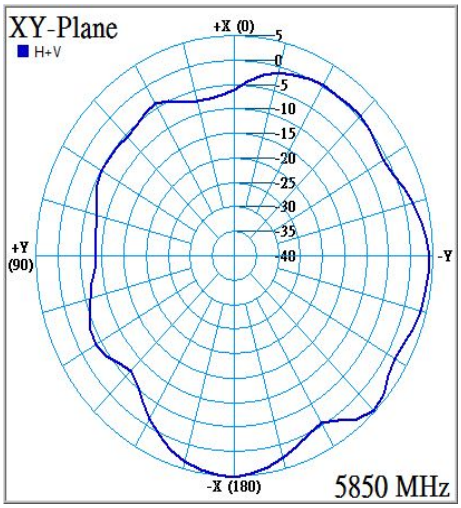












Frequency (MHz)	2400	2437	2450	2484	2500	5150	5250	5350	5470	5600	5725	5785	5850
Peak Gain (dBi)	1.93	1.56	1.52	2.20	2.46	4.66	4.93	4.92	4.57	3.68	4.51	4.49	4.66
Directivity (dBi)	4.38	4.29	4.23	4.80	5.06	6.63	6.81	6.86	6.80	6.60	6.82	6.55	6.46
Efficiency (dB)	-2.45	-2.73	-2.71	-2.60	-2.60	-1.97	-1.87	-1.94	-2.23	-2.93	-2.32	-2.06	-1.79
Efficiency (%)	56.90	53.40	53.58	55.01	54.98	63.53	64.95	64.00	59.80	50.99	58.67	62.22	66.17