



台灣安潔電子股份有限公司
Taiwan Anjie Electronics Co., Ltd

承認書

APPROVAL SHEET

Customer: 凱碩
Customer Model No.: 2AN-C901GY08PDR
Part No.: AJDP1J-C0049
Product Description: Antenna Internal 2+5GHz MHF_I
1.13/37mm (Gray) Dipole Antenna
Issue Date: 20201224
REV.: A

客戶承認用印	安潔承認用印

核准	審核	承辦
		Anders

Taiwan Anjie Electronics Co., Ltd

台灣安潔電子股份有限公司

ADD: No.236, Sec. 3, Huanbei Rd., Jubei City, Hsinchu County, Taiwan

地址:新竹縣竹北市環北路三段236號1樓

TEL: 886-3-5543399 FAX:886-3-5543062

電話:886-3-5543399 傳真:886-3-5543062



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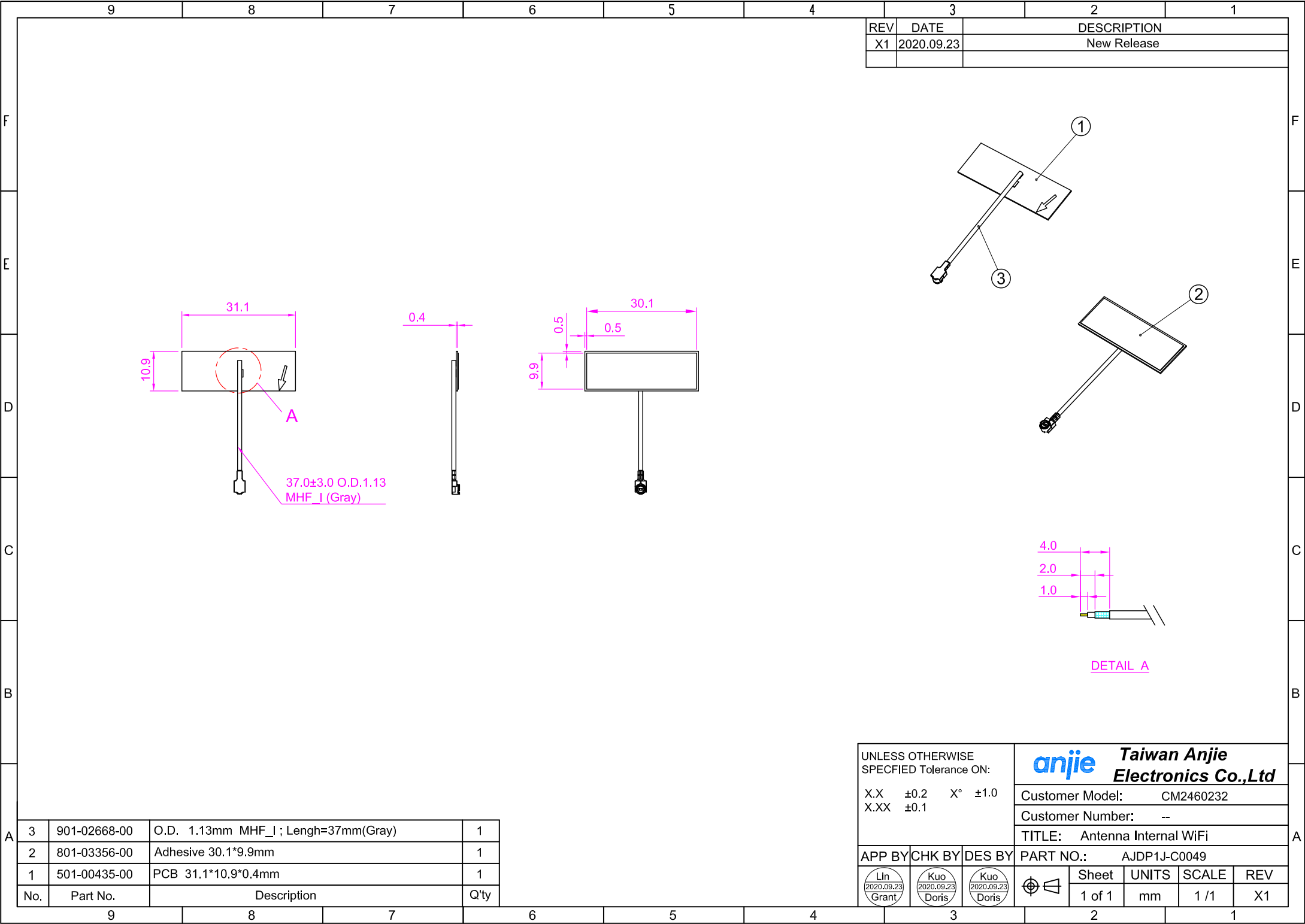
1. Drawing

2. Test Report

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

3. Material Certifications

Dipole Antenna
MHF_I



REV	DATE	DESCRIPTION
X1	2020.09.23	New Release

3	901-02668-00	O.D. 1.13mm MHF_I ; Lengh=37mm(Gray)	1
2	801-03356-00	Adhesive 30.1*9.9mm	1
1	501-00435-00	PCB 31.1*10.9*0.4mm	1
No.	Part No.	Description	Q'ty

UNLESS OTHERWISE SPECIFIED Tolerance ON: X.X ±0.2 X° ±1.0 X.XX ±0.1			anjie Taiwan Anjie Electronics Co.,Ltd				
			Customer Model: CM2460232				
			Customer Number: --				
			TITLE: Antenna Internal WiFi				
APP BY	CHK BY	DES BY	PART NO.: AJDP1J-C0049				
Lin 2020.09.23 Grant	Kuo 2020.09.23 Doris	Kuo 2020.09.23 Doris		Sheet	UNITS	SCALE	REV
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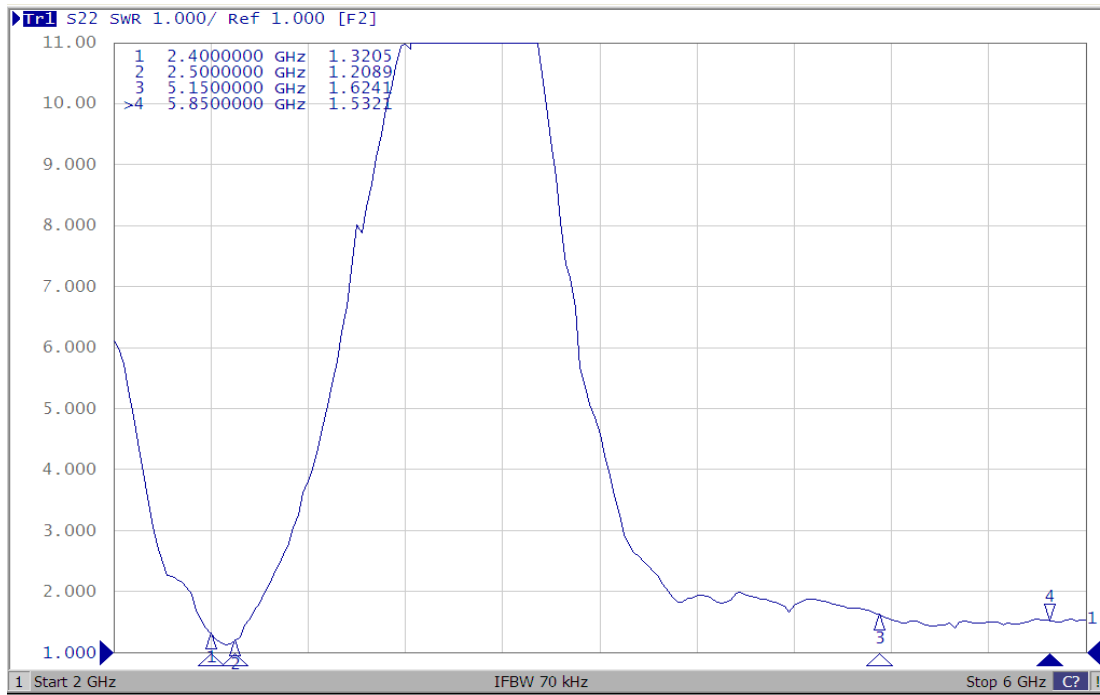
台灣安潔電子股份有限公司
Taiwan Anjie Electronics Co., Ltd

SPECIFICATION						
Frequency Range	2400MHz	2450MHz	2500MHz	5150MHz	5550MHz	5850MHz
Impedance	50Ω			50Ω		
V.S.W.R	2.0			2.0		
Gain	4.41dBi			5.18dBi		



台灣安潔電子股份有限公司
Taiwan Anjie Electronics Co., Ltd

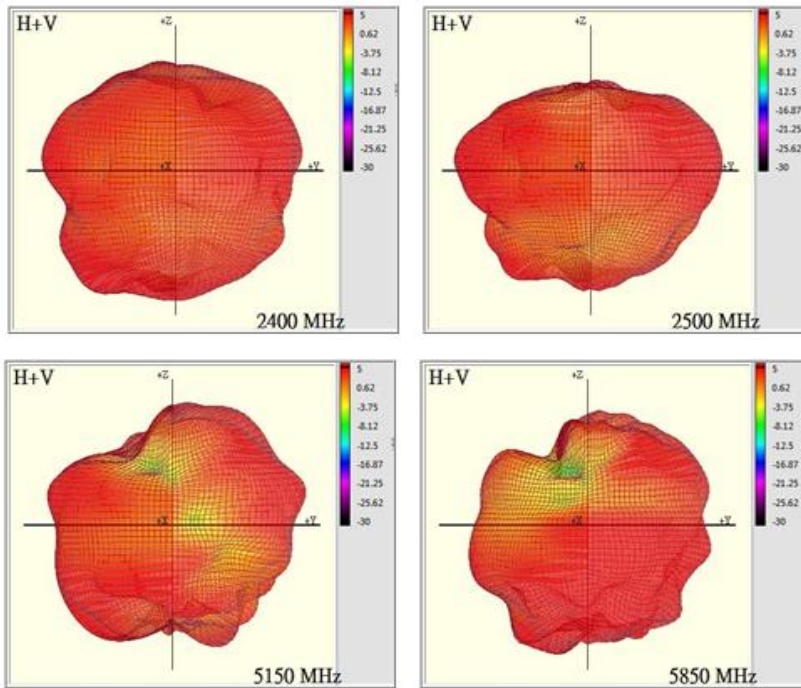
Electrical test





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3D Pattern test





台灣安潔電子股份有限公司

Taiwan Anjie Electronics Co., Ltd

Antenna Gain and Efficiency

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	4.41	4.13	3.87	3.55	3.46	3.15	2.71	2.48	2.32	2.39	2.77
Directivity (dBi)	5.91	5.72	5.6	5.35	5.2	4.89	4.47	4.19	4.03	4.18	4.48
Efficiency (dB)	-1.49	-1.59	-1.73	-1.79	-1.74	-1.74	-1.76	-1.71	-1.71	-1.79	-1.71
Efficiency (%)	70.9	69.34	67.17	66.18	67.07	67	66.74	67.45	67.49	66.17	67.49

Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850
Gain (dBi)	2.56	3.06	2.99	2.86	3.29	4.39	5.18	4.85
Directivity (dBi)	4.17	4.8	4.58	4.83	4.83	6.22	6.82	6.26
Efficiency (dB)	-1.61	-1.74	-1.59	-1.97	-1.54	-1.82	-1.64	-1.41
Efficiency (%)	68.97	66.95	69.31	63.51	70.19	65.71	68.63	72.27



台灣安潔電子股份有限公司

Taiwan Anjie Electronics Co., Ltd



圖1



圖2



圖3



圖4

1. 数25pcs用珍珠棉包好端子端黄色橡皮筋一扎（图1） 4扎100pcs一包封口机封口（图2）

2. 2000pcs一箱，共计20包

3. 零件保質期限:1年



台灣安潔電子股份有限公司
Taiwan Anjie Electronics Co., Ltd

承認書

APPROVAL SHEET

Customer: 凱碩

Customer Model No.: 2AN-C901WE24PDR

Part No.: AJDP1J-W0058

Product Description: Antenna Internal 2+5GHz MHF_I
1.13/83mm (White) Dipole Antenna

Issue Date: 20210121

REV.: A

客戶承認用印	安潔承認用印

核准	審核	承辦
		Anders

Taiwan Anjie Electronics Co., Ltd

台灣安潔電子股份有限公司

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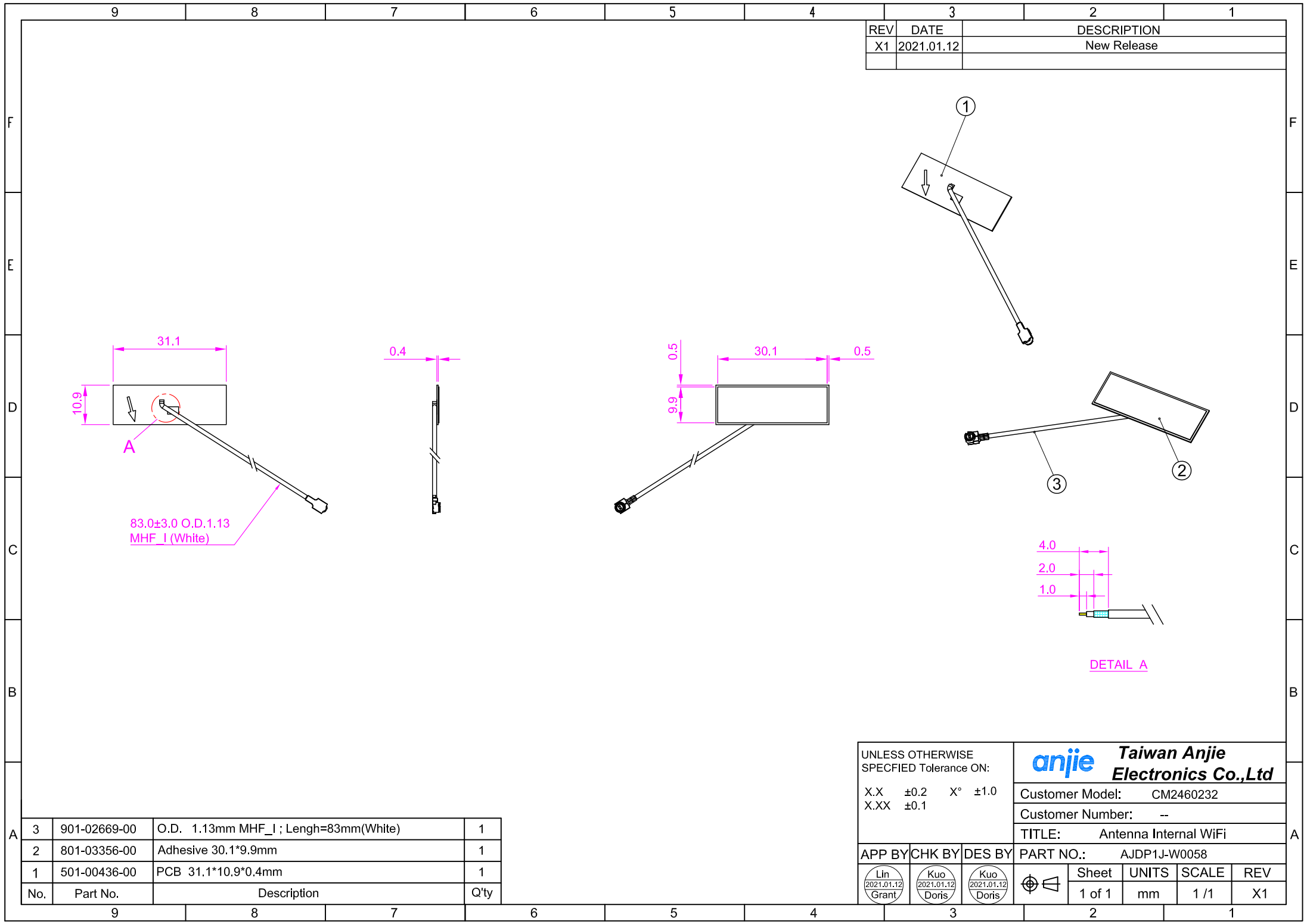
1. Drawing

2. Test Report

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

3. Material Certifications

Dipole Antenna
MHF_I



REV	DATE	DESCRIPTION
X1	2021.01.12	New Release

3	901-02669-00	O.D. 1.13mm MHF_I ; Lengh=83mm(White)	1
2	801-03356-00	Adhesive 30.1*9.9mm	1
1	501-00436-00	PCB 31.1*10.9*0.4mm	1
No.	Part No.	Description	Q'ty

UNLESS OTHERWISE SPECIFIED Tolerance ON: X.X ±0.2 X° ±1.0 X.XX ±0.1			anjie Taiwan Anjie Electronics Co.,Ltd				
			Customer Model: CM2460232				
			Customer Number: --				
			TITLE: Antenna Internal WiFi				
APP BY	CHK BY	DES BY	PART NO.: AJDP1J-W0058				
Lin 2021.01.12 Grant	Kuo 2021.01.12 Doris	Kuo 2021.01.12 Doris		Sheet	UNITS	SCALE	REV
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Taiwan Anjie Electronics Co., Ltd

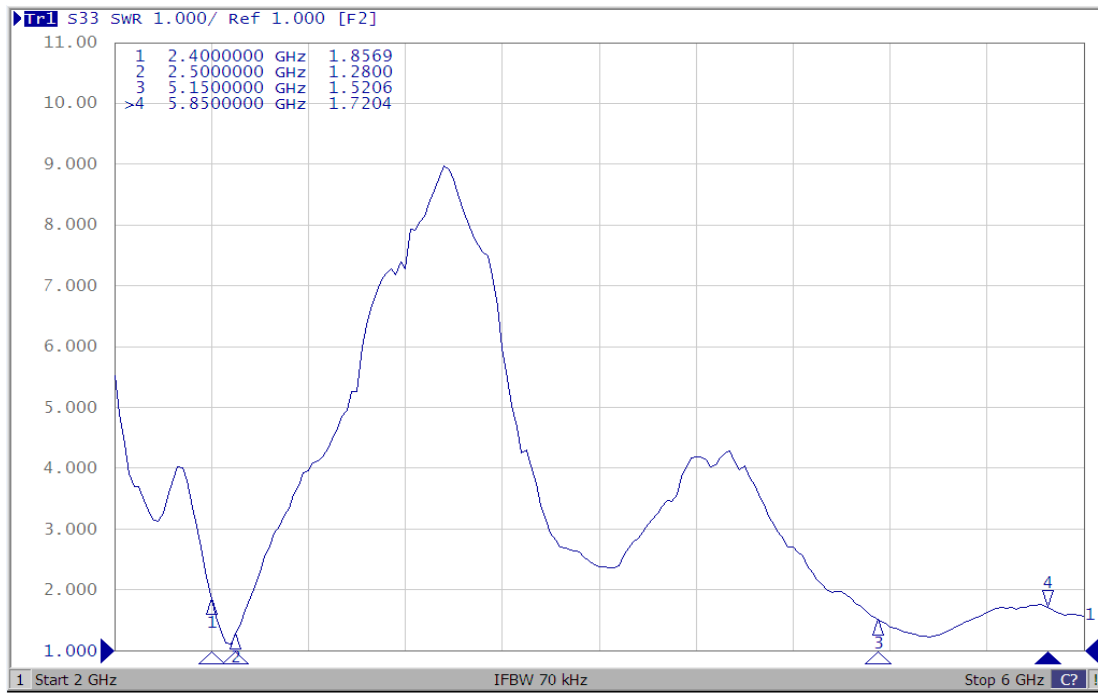
SPECIFICATION						
Frequency Range	2400MHz	2450MHz	2500MHz	5150MHz	5550MHz	5850MHz
Impedance	50Ω			50Ω		
V.S.W.R	2.0			2.0		
Gain	2.67dBi			4.68dBi		



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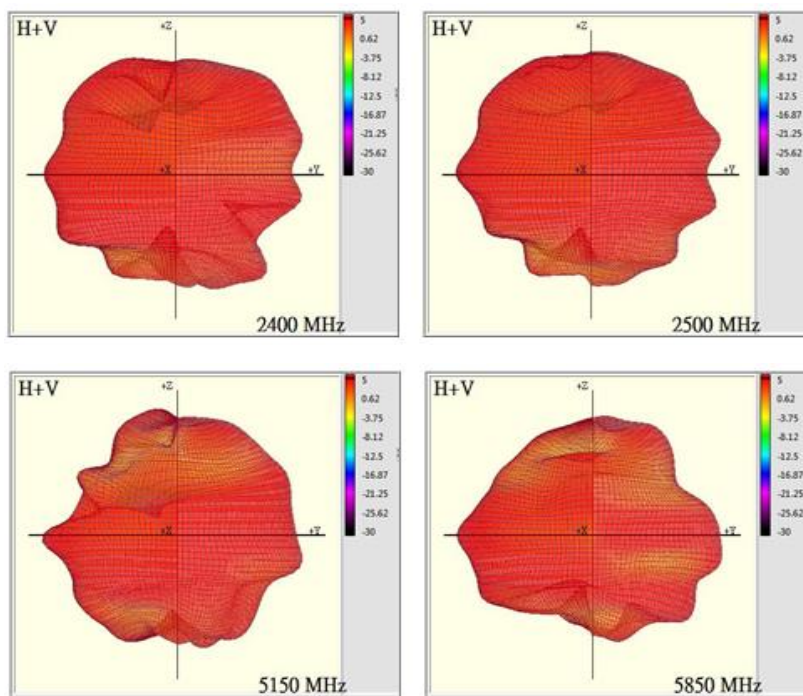
Electrical test





台灣安潔電子股份有限公司
Taiwan Anjie Electronics Co., Ltd

3D Pattern test





台灣安潔電子股份有限公司
Taiwan Anjie Electronics Co., Ltd

Antenna Gain and Efficiency

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	2.54	2.55	2.67	2.55	2.64	2.5	2.26	2.01	1.96	1.73	1.72
Directivity (dBi)	4.13	4.13	4.25	4.09	4.13	4.08	3.9	3.66	3.58	3.52	3.47
Efficiency (dB)	-1.59	-1.58	-1.59	-1.54	-1.49	-1.59	-1.64	-1.65	-1.62	-1.78	-1.75
Efficiency (%)	69.35	69.47	69.4	70.11	70.92	69.37	68.58	68.37	68.92	66.3	66.83

Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850
Gain (dBi)	2.47	2.5	4.68	3.59	2.86	4.32	3.18	3.92
Directivity (dBi)	4.21	4.21	6.4	5.39	4.63	6	5.07	5.4
Efficiency (dB)	-1.74	-1.71	-1.72	-1.81	-1.77	-1.69	-1.89	-1.48
Efficiency (%)	66.96	67.53	67.23	65.98	66.59	67.85	64.71	71.1



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圖1



圖2



圖3



圖4

1. 数25pcs用珍珠棉包好端子端黄色橡皮筋一扎（图1） 4扎100pcs一包封口机封口（图2）

2. 2000pcs一箱，共计20包

3. 零件保質期限:1年



台灣安潔電子股份有限公司
Taiwan Anjie Electronics Co., Ltd

承認書

APPROVAL SHEET

Customer: 凱碩
Customer Model No.: 2AN-C901BK21PDR
Part No.: AJWP1J-B0016
Product Description: Antenna Internal 5GHz MHF_I
1.13/37mm (Black) Dipole Antenna
Issue Date: 20201224
REV.: A

客戶承認用印	安潔承認用印

核准	審核	承辦
		Anders

Taiwan Anjie Electronics Co., Ltd
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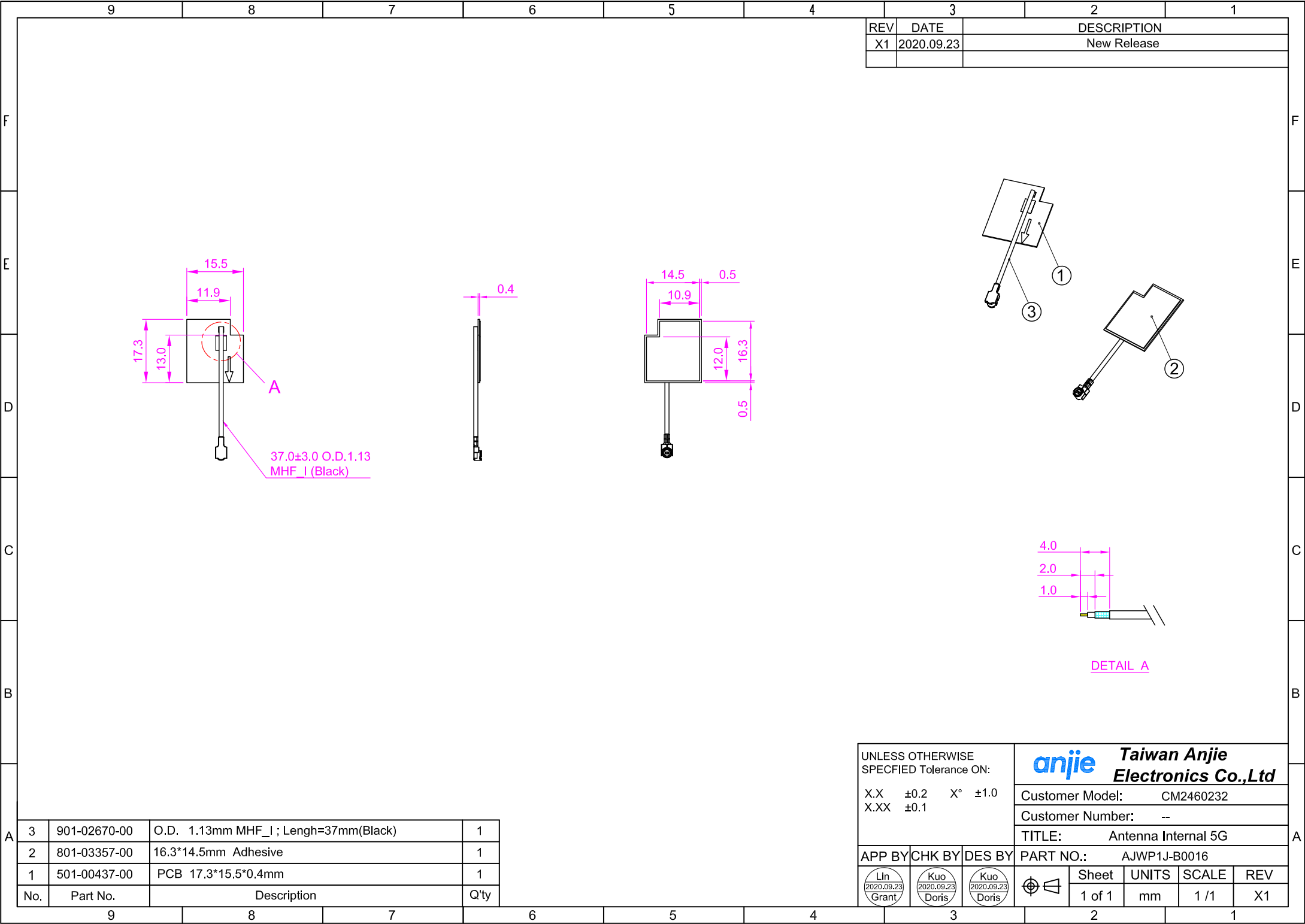
1. Drawing

2. Test Report

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

3. Material Certifications

Dipole Antenna
MHF_I



REV	DATE	DESCRIPTION
X1	2020.09.23	New Release

3	901-02670-00	O.D. 1.13mm MHF_I ; Lengh=37mm(Black)	1
2	801-03357-00	16.3*14.5mm Adhesive	1
1	501-00437-00	PCB 17.3*15.5*0.4mm	1
No.	Part No.	Description	Q'ty

UNLESS OTHERWISE SPECIFIED Tolerance ON: X.X ±0.2 X° ±1.0 X.XX ±0.1			anjie Taiwan Anjie Electronics Co.,Ltd				
			Customer Model: CM2460232				
			Customer Number: --				
			TITLE: Antenna Internal 5G				
APP BY	CHK BY	DES BY	PART NO.: AJWP1J-B0016				
Lin 2020.09.23 Grant	Kuo 2020.09.23 Doris	Kuo 2020.09.23 Doris	 Sheet 1 of 1	UNITS mm	SCALE 1 / 1	REV X1	



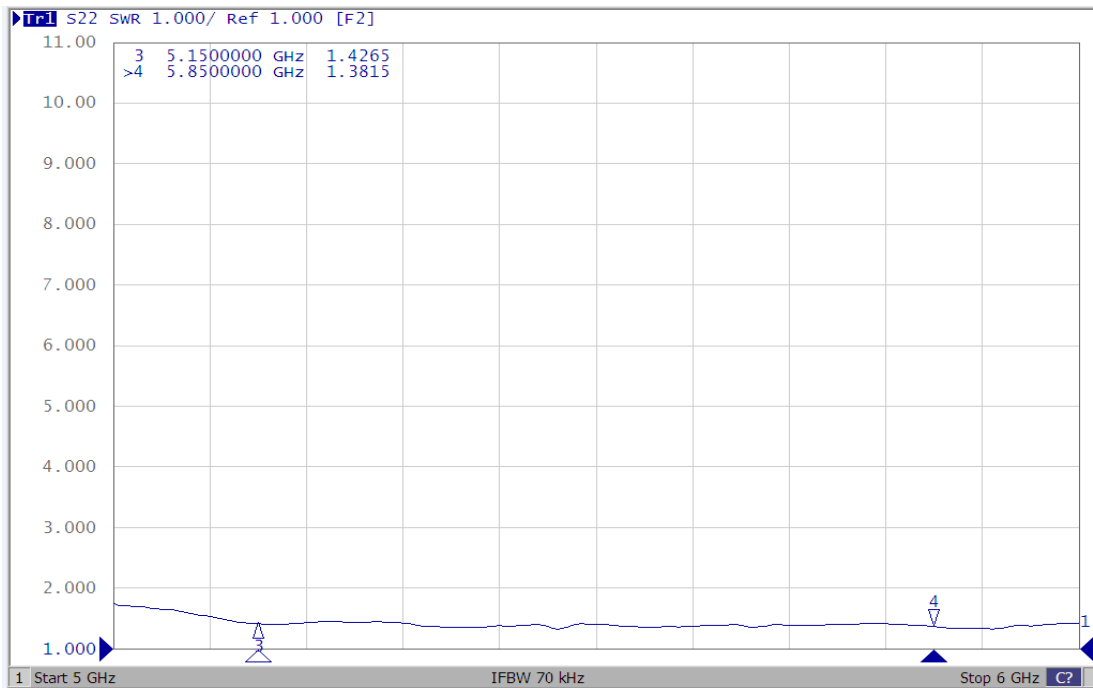
台灣安潔電子股份有限公司
Taiwan Anjie Electronics Co., Ltd

SPECIFICATION			
Frequency Range	5150MHz	5550MHz	5850MHz
Impedance	50Ω		
V.S.W.R	2.0		
Gain	4.23dBi		



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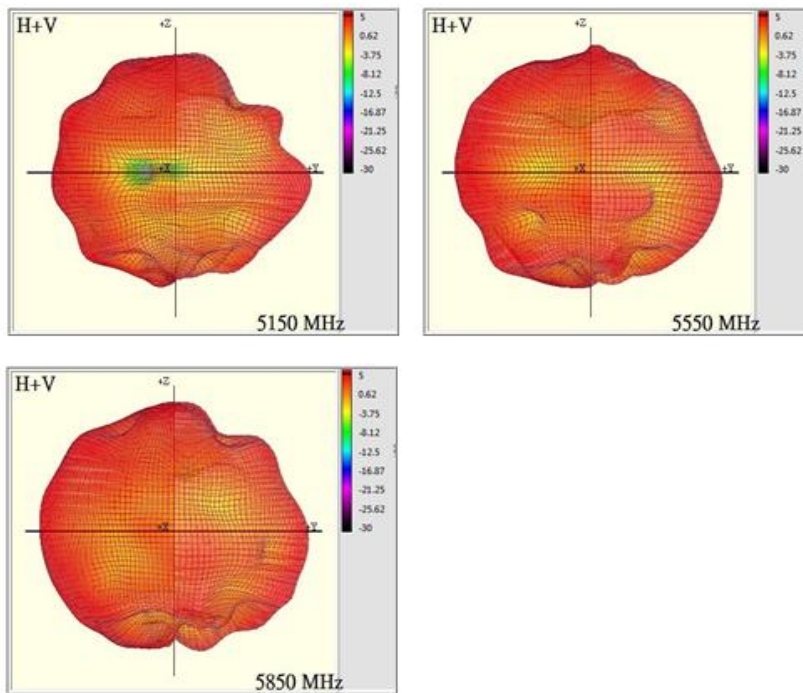
Electrical test





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Taiwan Anjie Electronics Co., Ltd

3D Pattern test





台灣安潔電子股份有限公司
Taiwan Anjie Electronics Co., Ltd

Antenna Gain and Efficiency

Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850
Gain (dBi)	4.23	3.99	3.51	2.42	3.79	2.69	3.56	3.41
Directivity (dBi)	5.66	5.46	4.83	3.98	4.87	4.25	4.79	4.5
Efficiency (dB)	-1.43	-1.48	-1.33	-1.55	-1.08	-1.56	-1.23	-1.09
Efficiency (%)	71.92	71.18	73.66	69.94	77.97	69.76	75.33	77.78



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圖1



圖2



圖3



圖4

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