



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

承認書

APPROVAL SHEET

Customer: 研華

Customer Model No.:

Part No.: AJDP1J-B0103

Product Description: Antenna Internal WIFI 6E 1.13/105mm(Black)IPEX_IV

Issue Date: 20220317

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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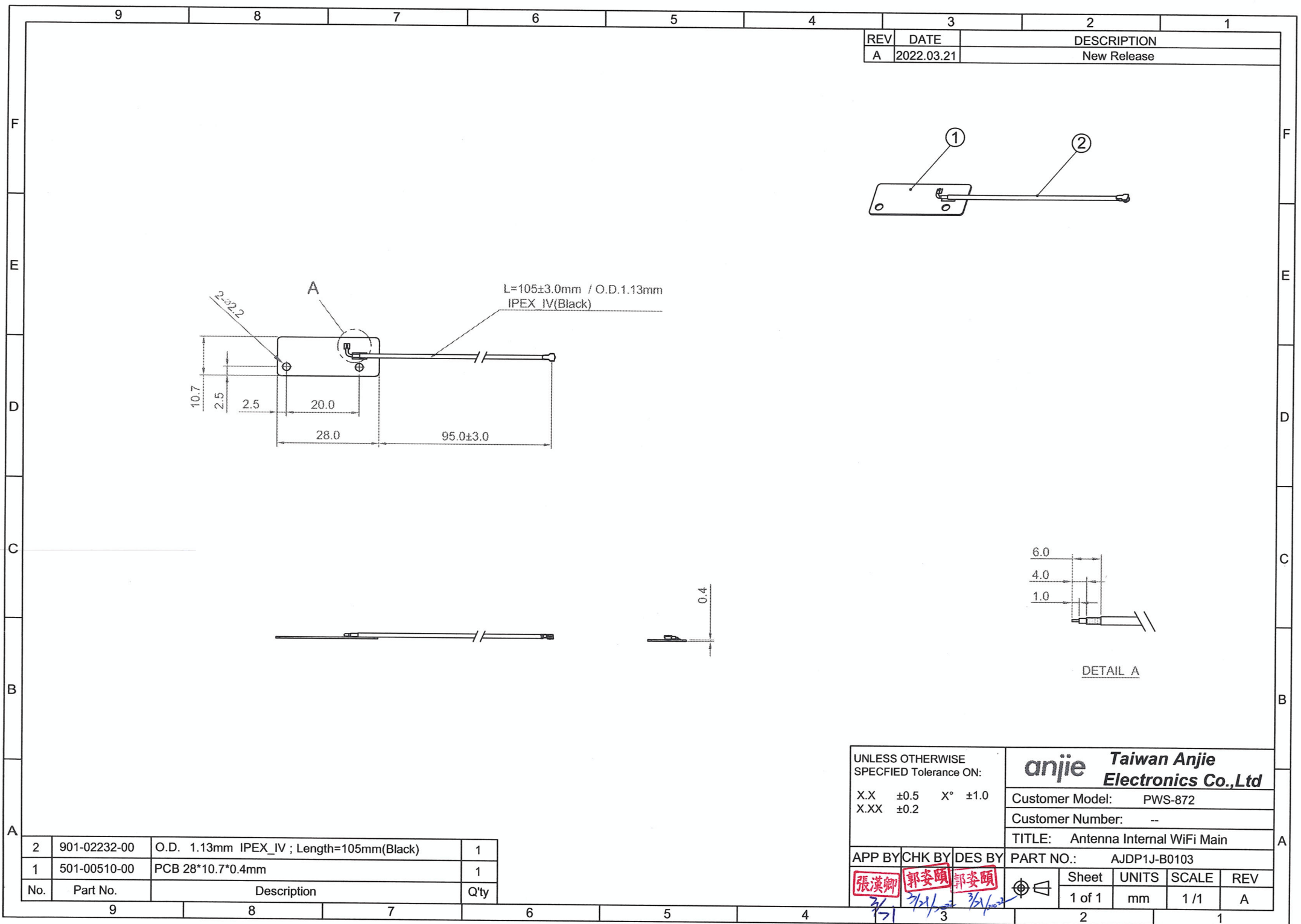
3. Material Certifications

- Antenna
 - Connector
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SPECIFICATION	
Frequency Range	2400~7125MHz
Impedance	50Ω
V.S.W.R	2.4G<2.5 5G<3.0 6G<3.0
Radiation	Omni
Gain	2.4G<3.08 dBi 5G<3.54 dBi 6G<3.79 dBi
Type	PIFA
Polarization	Vertical
Mechanical Properties	
Connector	I-PEX_IV

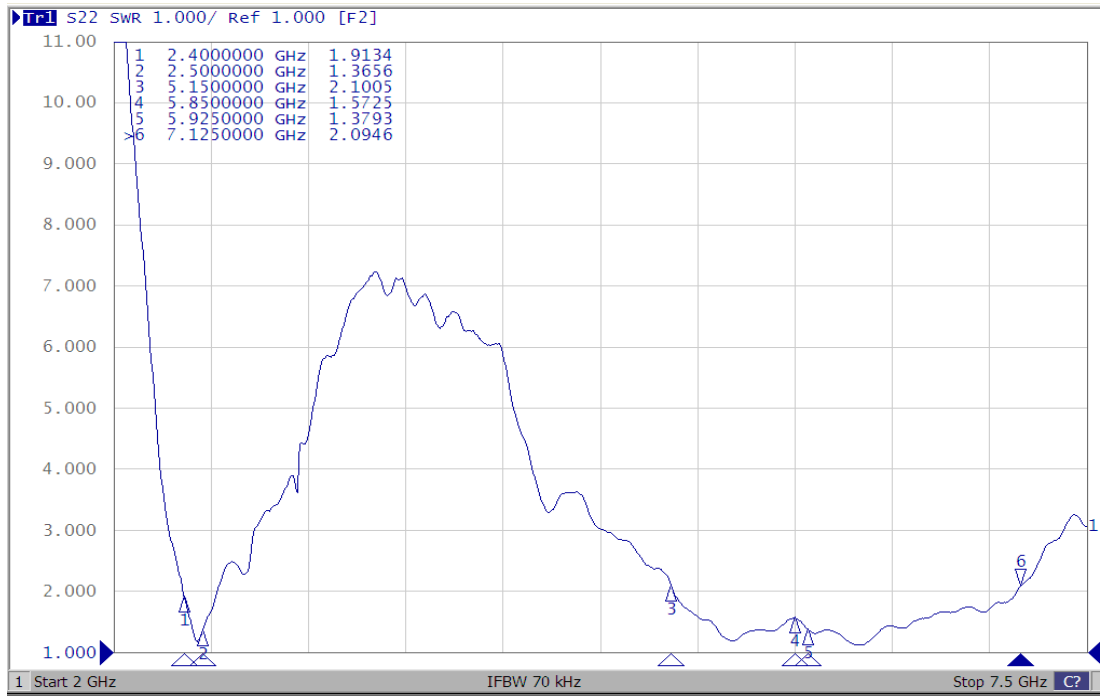




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Electrical test





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Antenna Gain and Efficiency

Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.46	1.76	2.02	2.23	2.37	2.46	2.45	2.55	2.73	2.92	3.08
Directivity (dBi)	4.72	4.9	5.11	5.31	5.45	5.54	5.55	5.64	5.81	5.97	6.11
Efficiency (dB)	-3.26	-3.14	-3.09	-3.08	-3.08	-3.08	-3.11	-3.09	-3.08	-3.05	-3.04
Efficiency (%)	47.23	48.5	49.08	49.19	49.24	49.23	48.89	49.14	49.16	49.5	49.72

Frequency(MHz)	5150	5250	5350	5450	5550	5650	5750	5850	5925	6025	6125
Gain (dBi)	3.18	3.54	3.22	3.13	3.13	2.26	2.2	2.88	2.72	2.99	3.19
Directivity (dBi)	6.18	6.48	6.16	5.68	5.63	4.83	4.79	5.39	5.13	5.21	5.06
Efficiency (dB)	-3.01	-2.95	-2.94	-2.55	-2.5	-2.57	-2.58	-2.51	-2.4	-2.21	-1.87
Efficiency (%)	50.04	50.76	50.88	55.64	56.22	55.32	55.19	56.06	57.5	60.06	65.02

Frequency (MHz)	6225	6325	6425	6525	6625	6725	6825	6925	7025	7125
Gain (dBi)	3.79	3.41	3.37	3.45	2.97	2.36	2.52	2.75	2.82	1.83
Directivity (dBi)	5.83	5.84	5.78	6.06	5.61	5.1	5.33	5.93	6.13	5.42
Efficiency (dB)	-2.05	-2.44	-2.41	-2.61	-2.64	-2.73	-2.82	-3.19	-3.32	-3.6
Efficiency (%)	62.43	57.09	57.42	54.86	54.45	53.31	52.28	47.98	46.62	43.69



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Antenna 3D Pattern

