SPECIFICATION

APPLICATION FOR APPROVAL

CUSTOMER :	**MiTAC International CORP.**
CS P/N :	**313010000503**
PART NAME :	**N702 NFC ANT**
DEVE NO. :	**T-0302_N702_NFC ANT**
AUDEN NO. :	**A92587-40**

CUSTOMER APPROVED

Auden Techno Corp.			
RF ENGINEER CHECKED	MECHANICAL ENGINEER CHECKED	R&D MANAGER CHECKED	PRODUCT MANAGER CHECKED
Bill Li	Tony Cheng	Franky Lai	Tony Lee

No Perfect Status, Always Seek for Better

Auden Techno Corp.

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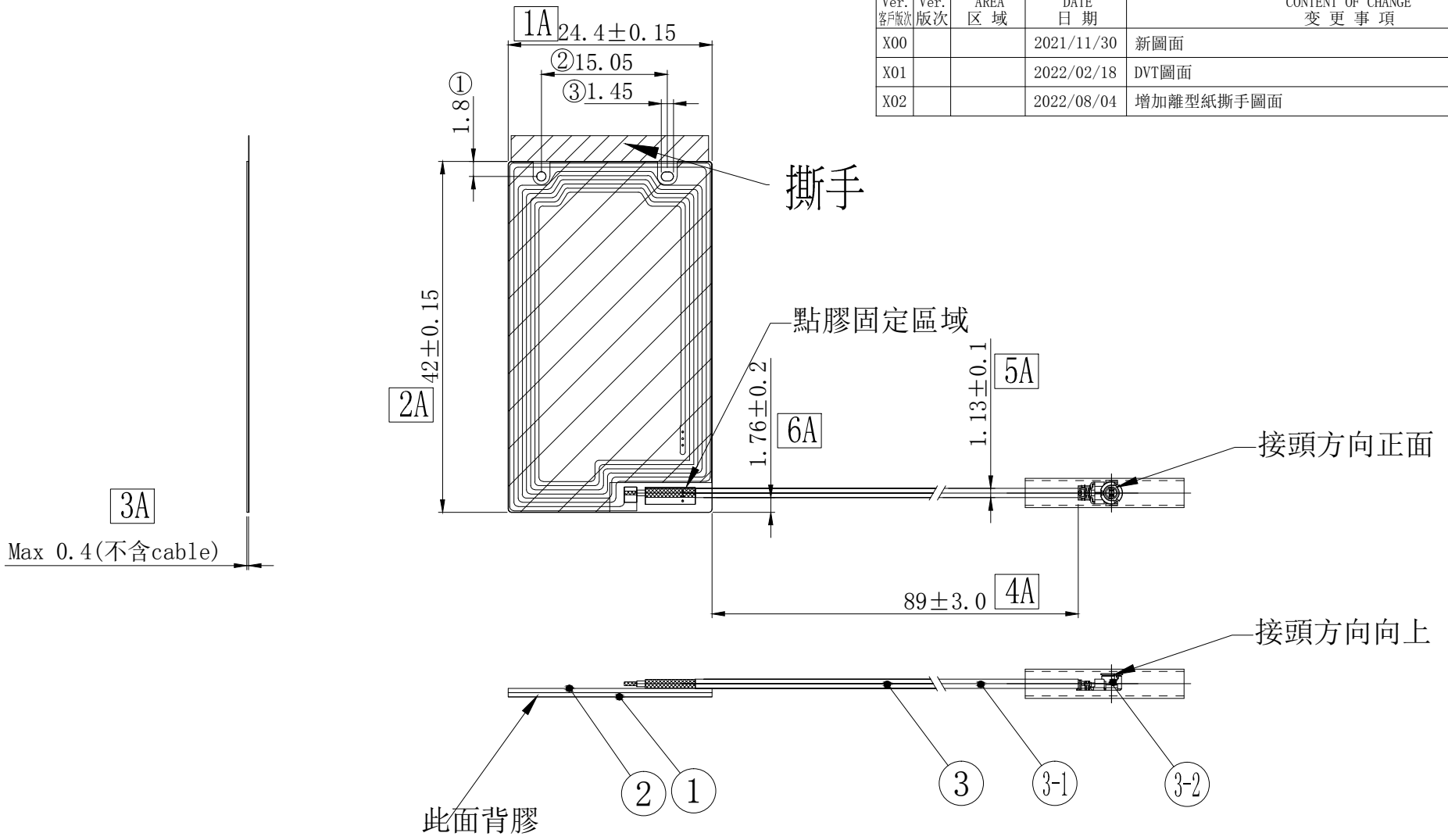
CONTENTS

REVISION

REV.NO.	DATE	DESCRIPTION
X02	2022/08/04	增加離型紙撕手圖面

Ver. 客戶版次	Ver. 版次	AREA 区 域	DATE 日 期	CONTENT OF CHANGE 变 更 事 項
X00			2021/11/30	新圖面
X01			2022/02/18	DVT圖面
X02			2022/08/04	增加離型紙撕手圖面



技术要求:
1、組裝後無明顯外觀不良
2、需通过品质部门要求的各项测试
3、未注公差见公差列表;
4、带"A"尺寸为进料必检尺寸。

DIMENSION	TOLERANCE
0~10.....	±0.20
11~50.....	±0.30
51~100.....	±0.40
100以上.....	±0.80

序号	名称	材质 / 规格	用量	表面处理	備註
3-2	CONNECTOR	φ01.13 MHF-I代頭	1	-	-
3-1	CABLE	1.13神宇FEP线材	1	灰色	-
3	NFC CABLE	MHF1+1.13 CABLE	1	-	-
2	Ferrite Sheet	凌澤電子 B系列JF150-B-P001-F008-PS001	1	-	-
1	FPC	PI(45*12)+3M9471LE	1	黑色油墨	-

附:产品需符合耀登外观检验标准及可靠度测试要求

环境物质要求: ROHS
鎘, Cd <100　　汞, Hg <1000
鉛, Pb <1000　　六价铬, Cr (VI) <1000
多溴联苯, PBBs <1000
多溴二苯醚, PBDEs <1000
邻苯二甲酸二(2-乙基己基)酯, DEHP<1000
邻苯二甲酸甲苯基丁酯, BBP<1000
邻苯二甲酸二丁基酯, DBP<1000
邻苯二甲酸二异丁酯, DIBP<1000

环境物质要求: HF
BR <900　　CL <900
BR+CL <1500

注:标注1A, 2A, 3A---等为重点尺寸, 总计5A,全尺寸共计0(不含重点尺寸)　／　表面加工 ▽▽ ▽▽▽ ▽▽▽▽

图 名	料 号	表面处理	适用机种	开发单号
總裝圖	A92587-40 313010000503	-	N702 NFC ANT	T0302_N702_NFC
材质 参照技术要求	投影	文件編號/版本	档 名	313010000503_T0302_N702_NFC_ANT_X02_A92587-40_20220804
单位 MM　比例 1:1		AD-QP-0002-24/B(T)	图纸 A4	第 1 页 ／ 共 1 页

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作成	Tony	检图	Bill	确认	Vincent

Evo N702

NFC Antenna Performance Evaluation Report

Date of Report: 2022/ 06 / 27
Department: WCB , Auden Techno Corp.
Prepared by: Bill Li

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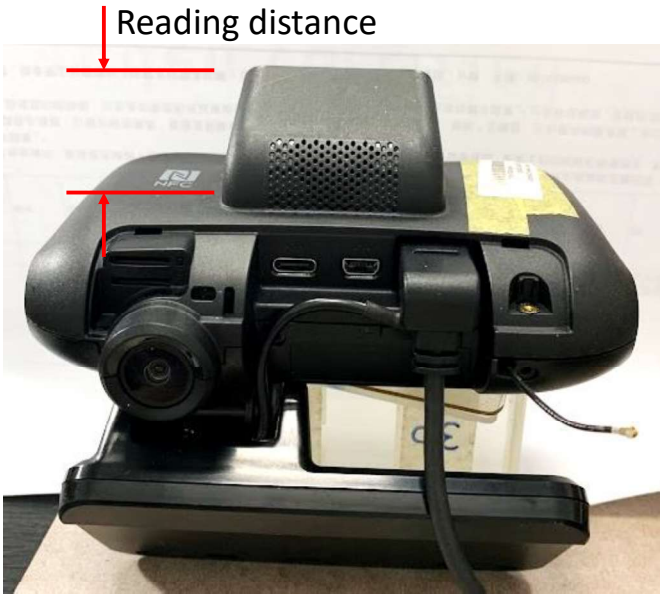
Document/Report Information

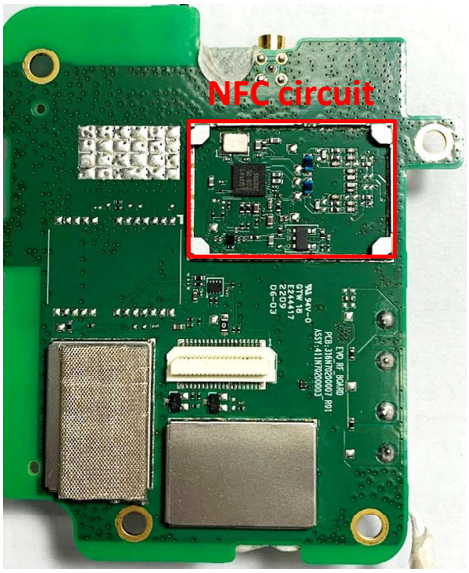
Project Name	**Evo N702**
Topics	**NFC Antenna Performance Evaluation Report**
Date of Report	**2022/ 6 / 27**
Report Revision	**Rev01**
Dept.	**WCB, Auden Techno Corp.**
Prepared by	**Bill Li**
Revised by	

Content

- Pictures of Mock-up
- NFC Matching
- NFC Antenna Performance

Pictures of Mock-up

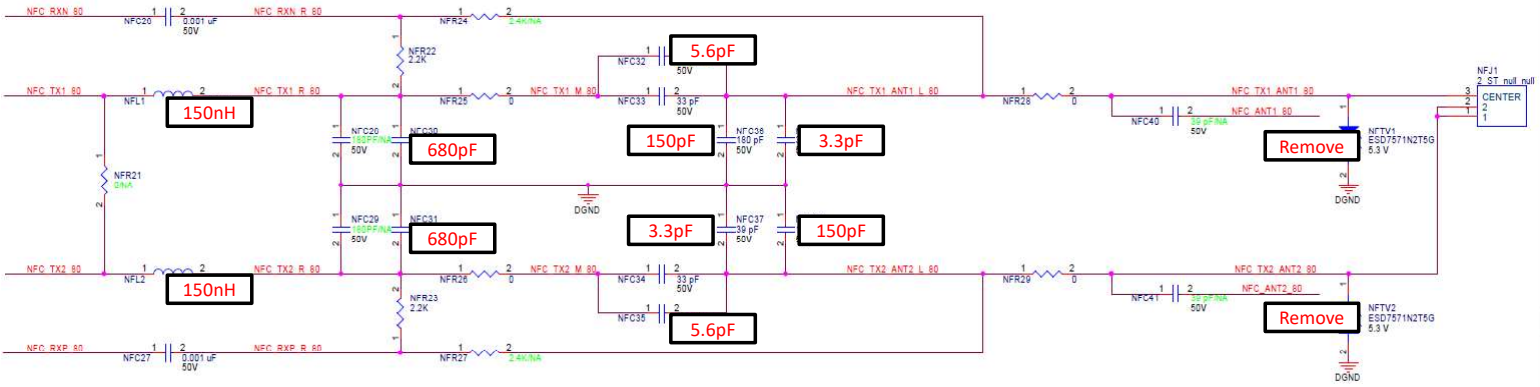




NFC Matching

NFC Antenna

Antenna trace - 50ohm



NFC Antenna Performance

Evo N702 NFC Performance				
Reading Distance, mm	Tags	Conditions	DVT_Condition.00	DVT_Condition.01	DVT_Condition.02
		Date	2022/6/27	2022/6/27	2022/6/27
		Rmatch, ohms	19	12	11
		L0_NFL1, NFCL2	150nH	150nH	150nH
		C0_NFC30, NFC31	680pF	680pF	680pF
		C1_NFC32, NFC35 (50V, 2%)	5.6pF	5.6pF	5.6pF
		C1_NFC33, NFC34 (50V, 2%)	33pF	33pF	33pF
		C2_NFC36, NFC39 (50V, 2%)	150pF	150pF	150pF
		C2_NFC37, NFC38 (50V, 2%)	3.3pF	8pF	NA
		Detail	1. EVO N702 DVT NFC baseline	1. Shift frequnecy to lower	1. Shift frequnecy to higher