

环保: ROHS2.0/REACH
版本: A/0

承认书

SPECIFICATION FOR APPROVAL

客户名称
Customer: 佳禾智能科技股份有限公司Cosonic Intelligent Technologies Co., Ltd.
品名
Product: Antenna-L
客户料号
Part No.: 310500218701C00

客户（业务）确认回复:
Customer（Business） Approval Status:

签 核:
Signature:

合格
PASSED

拒收
REJECTED

产 品 资 料 PRODUCT INFORMATION

产品名称
Product: FPC天线
产品型号
Part No.: CE-2187B
样品编号
Samples No.:
图纸编号
Drawing No.:
日期
Date: 2024.7.26

承 办 Prepared By	校 对 Proofed By	审 核 Checked By
DATE:	DATE:	DATE:

创新INNOVATION 信赖RELIABILITY 满意SATISFACTION



深圳市昱晟通讯设备有限公司

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表单编号: CO-ENG-031B

1. overview

1.1 Scope

CE-2187B Product antenna technical requirements and material requirements specification.

CE-2187B Antenna selection, testing and acceptance.

1.2 Project basic information

Type :	<u>FPC Antenna</u>
Frequency :	BT: 2402~2484MHz
Material :	LDS

2. Technical specification requirement

2.1 Test items and equipment introduction

List	Items	Equipment
Active test	TRP, TIS	Comprehensive tester, OTA chamber

2.2 Active report

2.2.1 test specification

Test tools: Agilent8960 integrated measuring instrument, R&SCMW500, all-wave far-field ETS darkroom, high-precision positioning system and its controller and computer with automatic test program

Test environment: Temperature $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$, humidity $50\% \pm 15\%$

Test method: The DUT is fixed in the center position of the turntable with the H-plane, and the center position of the horn antenna is on the same horizontal line.

The positioning system enables the DUT to rotate throughout the spherical surface to meet the high accuracy of three-dimensional positioning. Each RF instrument, turntable controller and PC with automatic test software communicate through GPIB interface

2.2.2 Antenna passive standing wave pattern



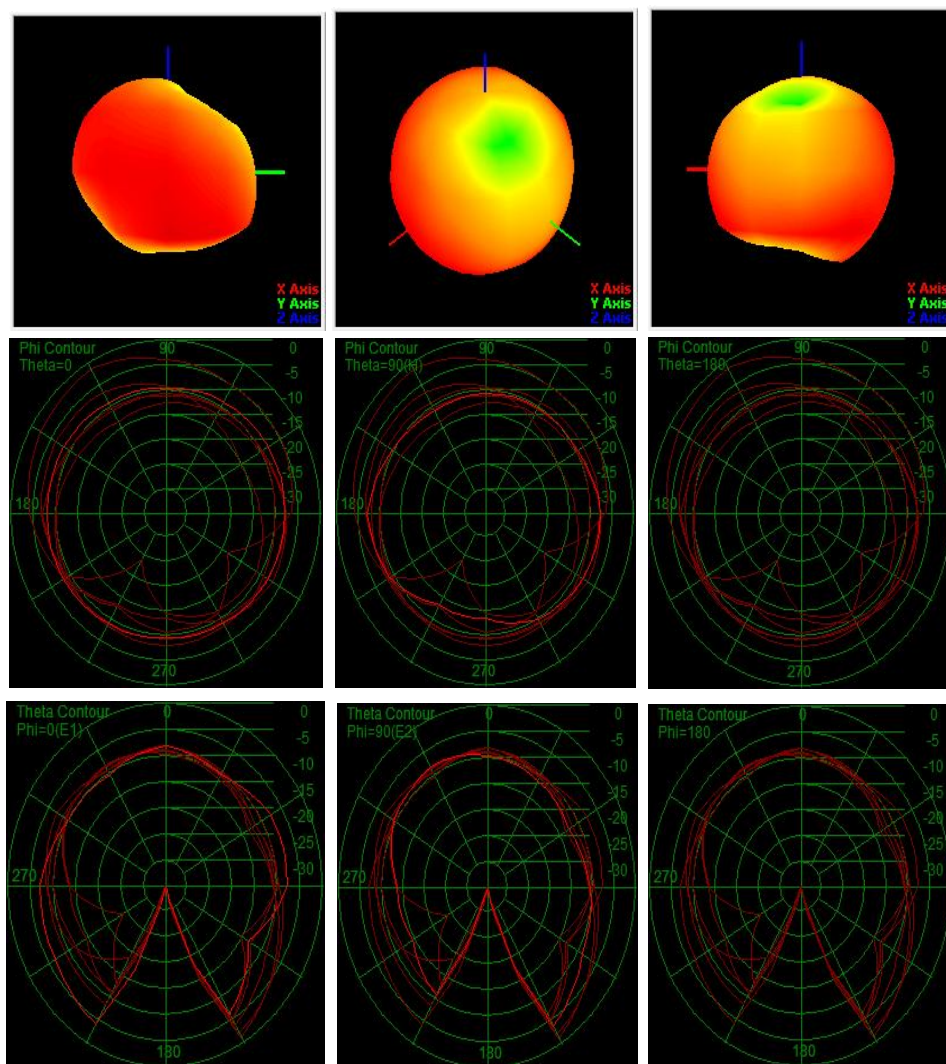
2.2.3 Conduction data-L

Left Earbuds	0	6.85	-92
	39	7.06	-92
	78	6.64	-92

2.2.4 Antenna efficiency parameter test

antenna efficiency/L	Frequency Point (MHz)	efficiency%	Gain(dBi)
	2400	20.47%	-1.68
	2410	21.90%	-1.56
	2420	22.20%	-1.47
	2430	23.10%	-0.65
	2440	24.50%	-0.53
	2450	25.70%	-0.40
	2460	24.60%	-0.89
	2470	23.80%	-0.57
	2480	22.30%	-1.24
	2490	22.60%	-1.38
	2500	21.50%	-1.47

2.2.5 Antenna passive plan Direction diagram



2.2.6 Antenna active parameter

Channel No.	Free space test data/L		Channel No.	Head and ear test data/L	
	TRP (dBm)	TIS (dBm)		TRP (dBm)	TIS (dBm)
0	0.47	-86.25	0	-1.44	-82.17
39	2.24	-86.21	39	-1.29	-82.57
78	3.87	-85.1	78	-3.77	-80.9

Free space

Head

2.2.10 Antenna test environment



3. structural drawings

