

深圳市福伯特电子有限公司

样品承认书

Sample Approved Sheet

客户名称 亚洲光学国际有限公司

样品型号 HTWL-001

品 牌 美台高科





美台高科：判定审核组

制订	审核	批准	承认书完成时间
郭晓君	肖翔宇	秦志方	2020/08/06

亚洲光学国际有限公司：判定审核组

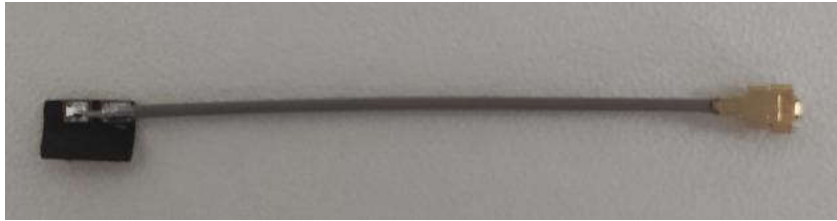
承认书编号 A2

承认书提供时间 2020.08.06

承认	审核	批准	承认日期
	 		2020/12/24
评审项目： <input type="checkbox"/> 承认书 3 份 <input type="checkbox"/> 规格书/图纸 <input type="checkbox"/> 检测报告 <input type="checkbox"/> 样品__PCS <input type="checkbox"/> 安规 <input type="checkbox"/> HSF			
评审结果： <input type="checkbox"/> 接受 <input type="checkbox"/> 有条件接受 <input type="checkbox"/> 拒绝			

1. Antenna picture

The report mainly provides the test status of the electrical properties parameters of **HTWL-001**. The **HTWL-001** antenna is a **BT** Band . The antenna Picture and assembly are shown below.



Antenna picture & assembly picture

2. Antenna Test Equipment Introduction

Test of antenna input characteristics using **Agilent E5071C** and **Agilent 5062A** vector network analyzer; The radiation pattern of the antenna are tested using the Satimo starlab 3D near field Anechoic Chamber , and the instrument is used to agilent8960 E5515 and Agilent E4438C. The test coordinates of the darkroom are as follows:

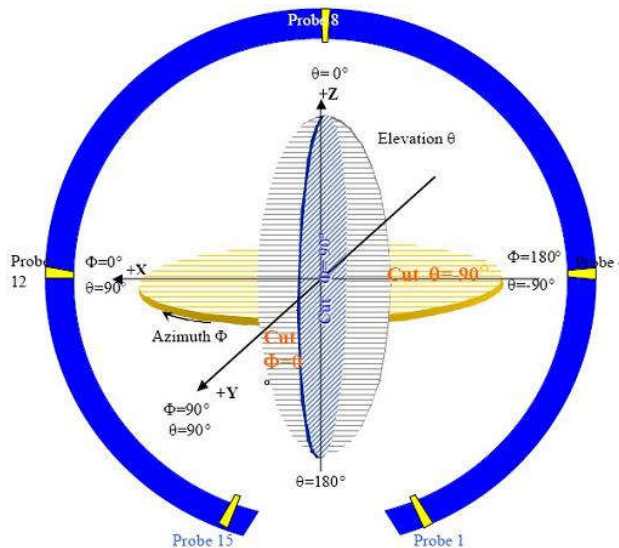
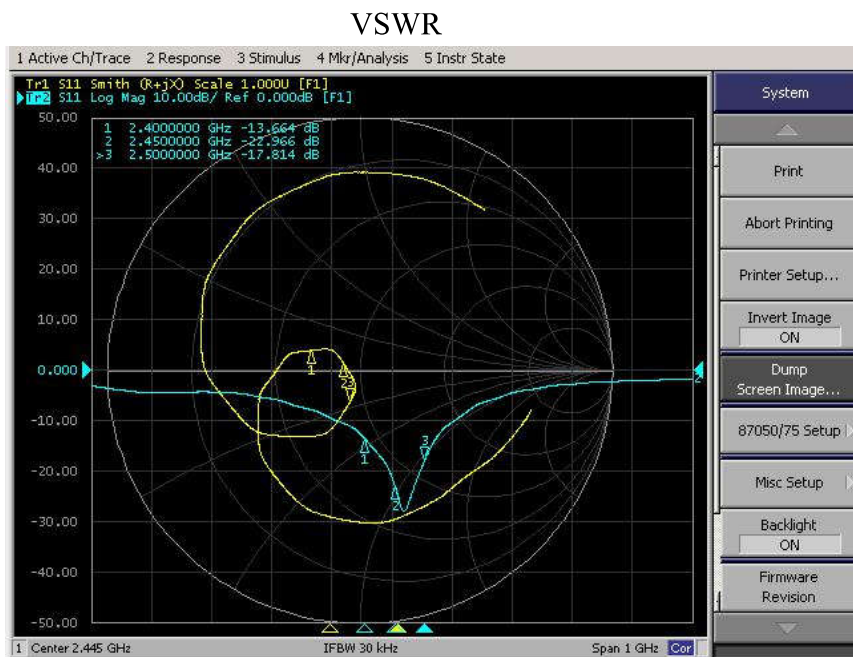


图 4 3D 微波暗室测试坐标系 (back view)

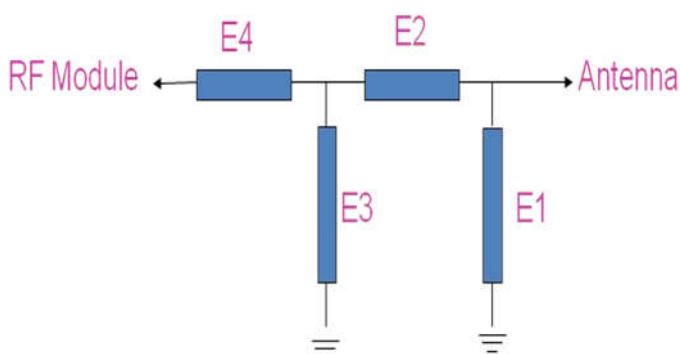
3. Electrical Specification

3-1 Passive S11 parameter

Measuring Method is a 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the S11 parameter, Keeping this fixture away from metal at least 20cm.



3-2 Antenna Matching Network

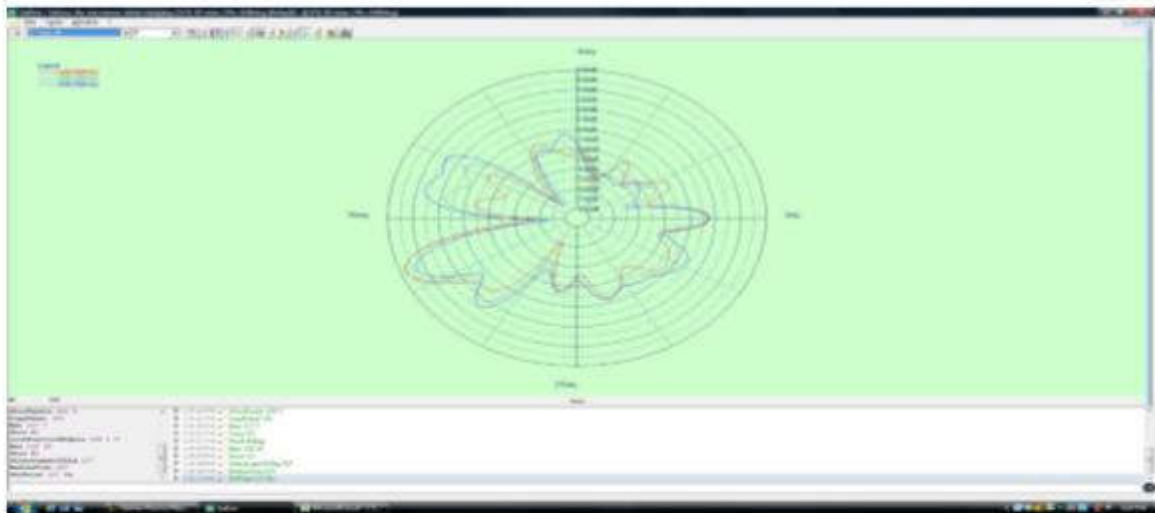


按照现有匹配

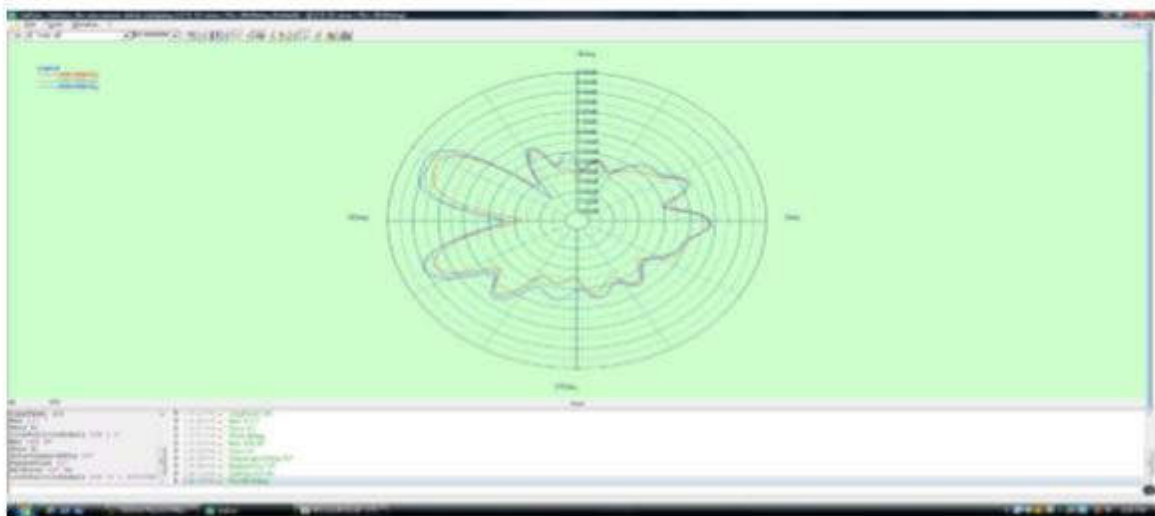
Element	r
E1	N/C
E2	0 Ω
E3	N/C
E4	0 Ω

Frequency(M HZ)	Efficiency(%)	Gain (DBI)
2400	46.8	1.21
2450	47.9	1.38
2500	49.3	1.55

X-Z Plane



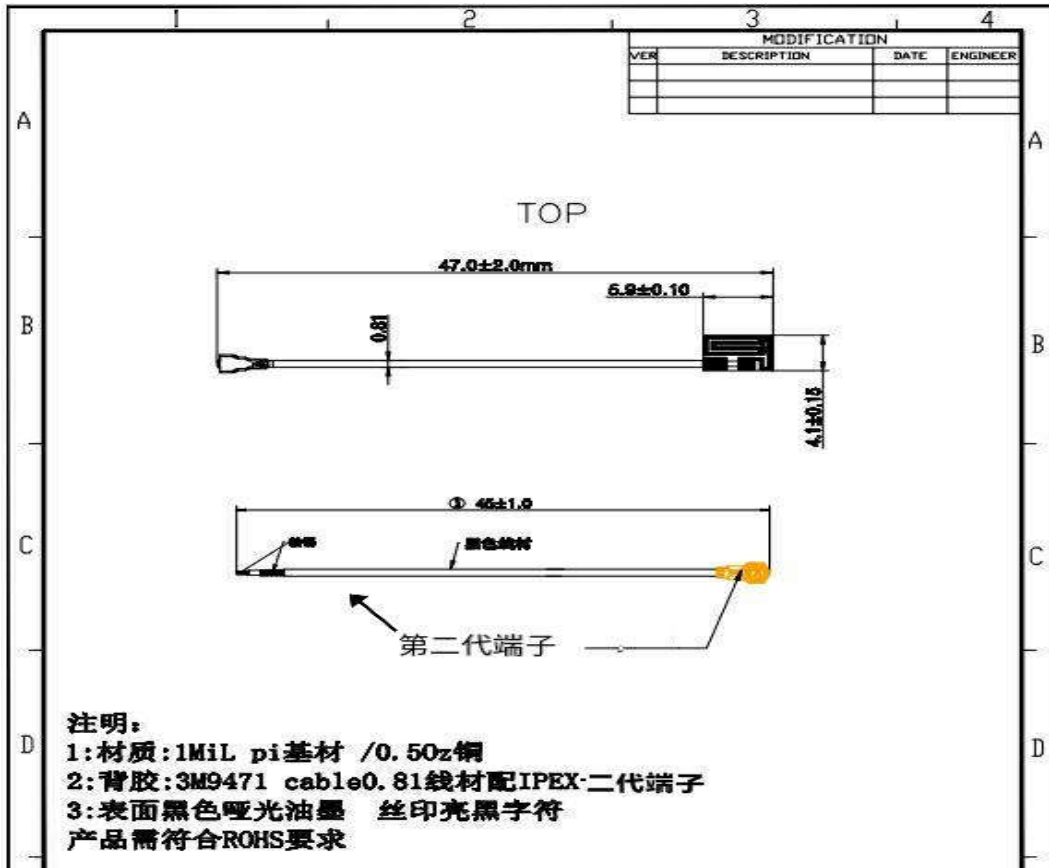
X-Y Plane

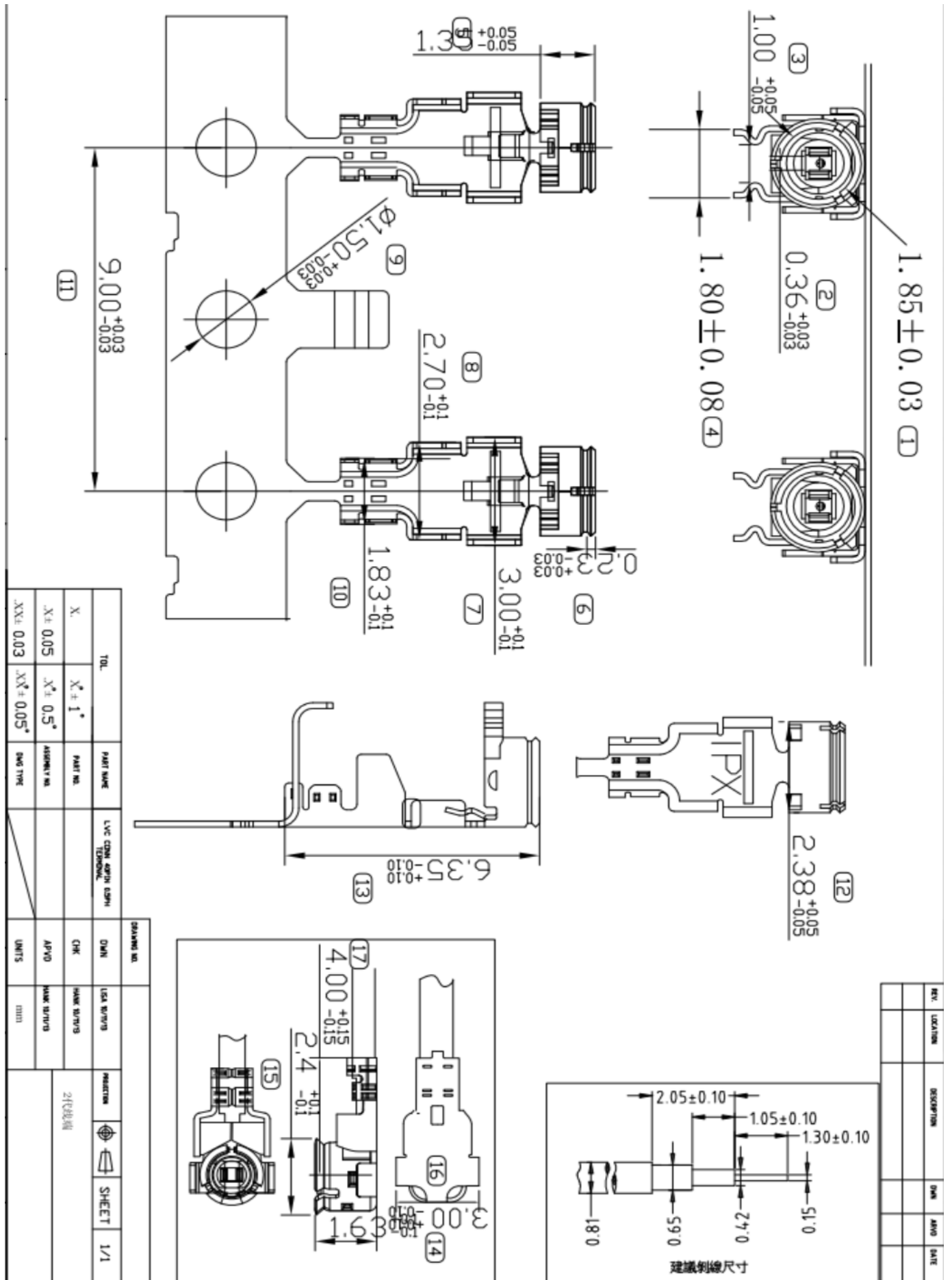


4. Mechanical Specification:

Mechanical Configuration (Unit: mm)

The appearance of the antenna is according to drawing Figure 8





TOL.	PART NAME	LVC CHIN. ADRIN. CASHI	DRN	USA R/1719	PROJECT	SHEET	1/1
X.	X ± 1°		CHK	NAME STATUS	21C3330		
.X ± 0.05	X ± 0.5°		APVD	NAME STATUS			
.XX ± 0.03	XX ± 0.05°		UNITS	MM			

REV.	LOCATION	DESCRIPTION	DRN	APPD	DATE