



Shenzhen Yusheng Communication Equipment Co., Ltd.
Room 407-411, Building 2
Nantai Cloud Innovation Valley Park
Guangming Avenue, Guangming New District
Shenzhen, China

TB300 Project Antenna Material Requirements Specification

Client: Concord Intelligent Technology (Huizhou) Ltd.

Customer Product Name: TB300-UWB Antenna

Product Please see BOM for details

Specifications: Material Code:

Supplier Model: 336065-IA

Change history:

Serial number	version	state	Start and End Dates	Responsible person	page number	Remark
1	first edition	first edition	2025-5-6	Kit Lee	8	

Supplier's Acknowledgement Signature:

Responsible person/Date		IQC/Date	Review/Date	Approval/Date
MD	Closed-business wisdom	Su Guanfeng and Chen Kehong		
RF	He Shiyin			

The buyer acknowledges the signature (please send it back after signing):

Determination result of the buyer: ☐ qualified ☐ unqualified			
Development Design Engineer/Date	SQE Engineer/Date	Purchasing Manager/Date	Development Manager Approval/Date

Table of contents

1. Overview.....	3
1.1 Scope of Application.....	3
1.2 Basic Project Information.....	3
2. Technical Specification Requirements.....	3
2.1 Test Items and Equipment Introduction.....	3
2.2 Passive Report.....	3
2.2.1 Passive Test Description.....	3
2.2.2 Antenna Passive Parameters - UWB.....	4
2.2.3 Antenna Pattern - UWB.....	5
3. Structural Drawings.....	6
4. Bill of Materials.....	7
5. Packaging Diagram.....	8

1. Overview

1.1 Scope of application

This requirement specifies the antenna technical requirements and material requirements for product TB300 .

This requirement applies to the selection, testing, and acceptance of TB300 antennas.

1.2 Basic Project Information

Antenna Name:	TB300
Antenna frequency:	BUWB:7900MHz
Antenna Material:	FPC+coaxial cable

2. Technical index requirements

2.1 Test items and equipment introduction

List	Test items	equipment
S11 parameters	Standing wave ratio, return loss	Network Analyzer
Active testing	TRP,TIS	Comprehensive tester, microwave darkroom
Passive testing	Gain, efficiency	Network Analyzer

2.2 Passive Report

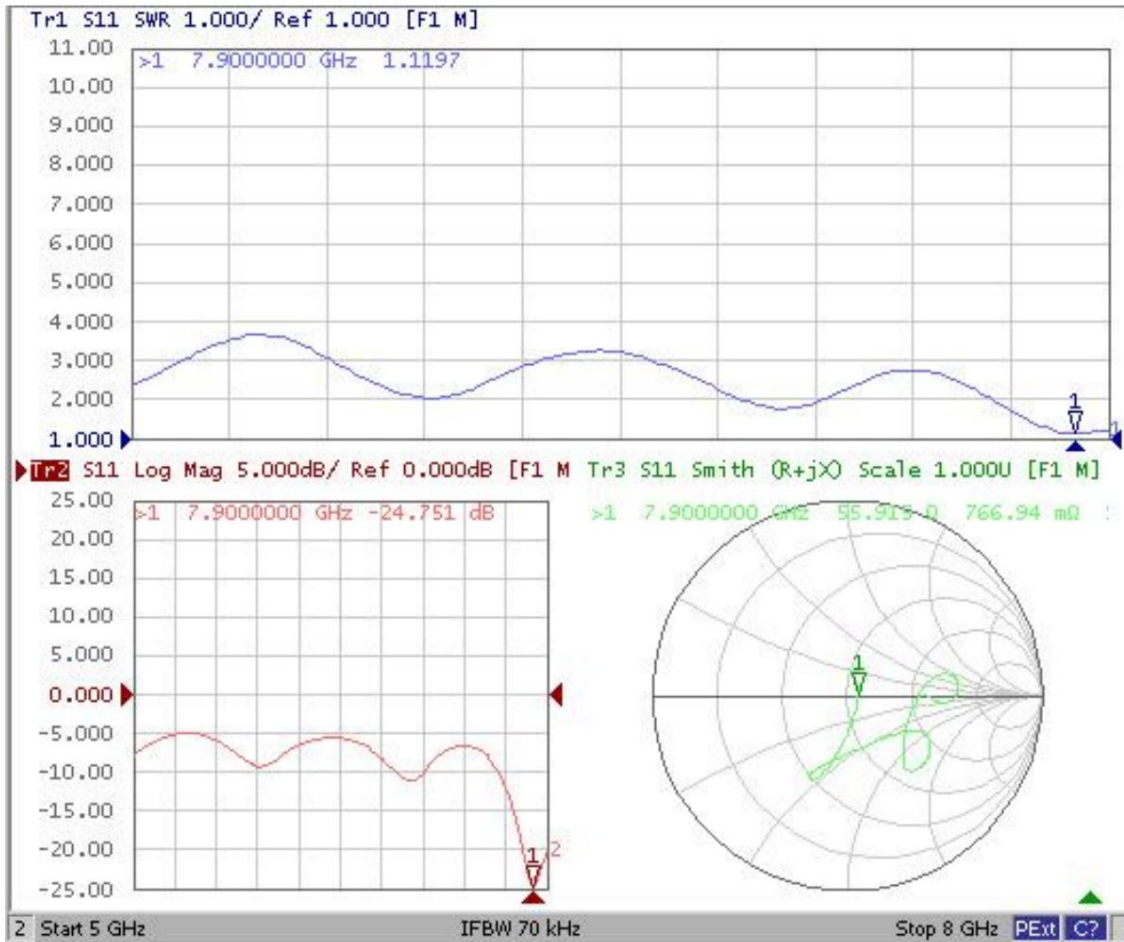
2.2.1 Passive Test Description

Test equipment: Network analyzer

Test method: Use a 50 ohm cable to lead out from the instrument test port, calibrate it with the calibration kit and then connect it to the hand mechanism.

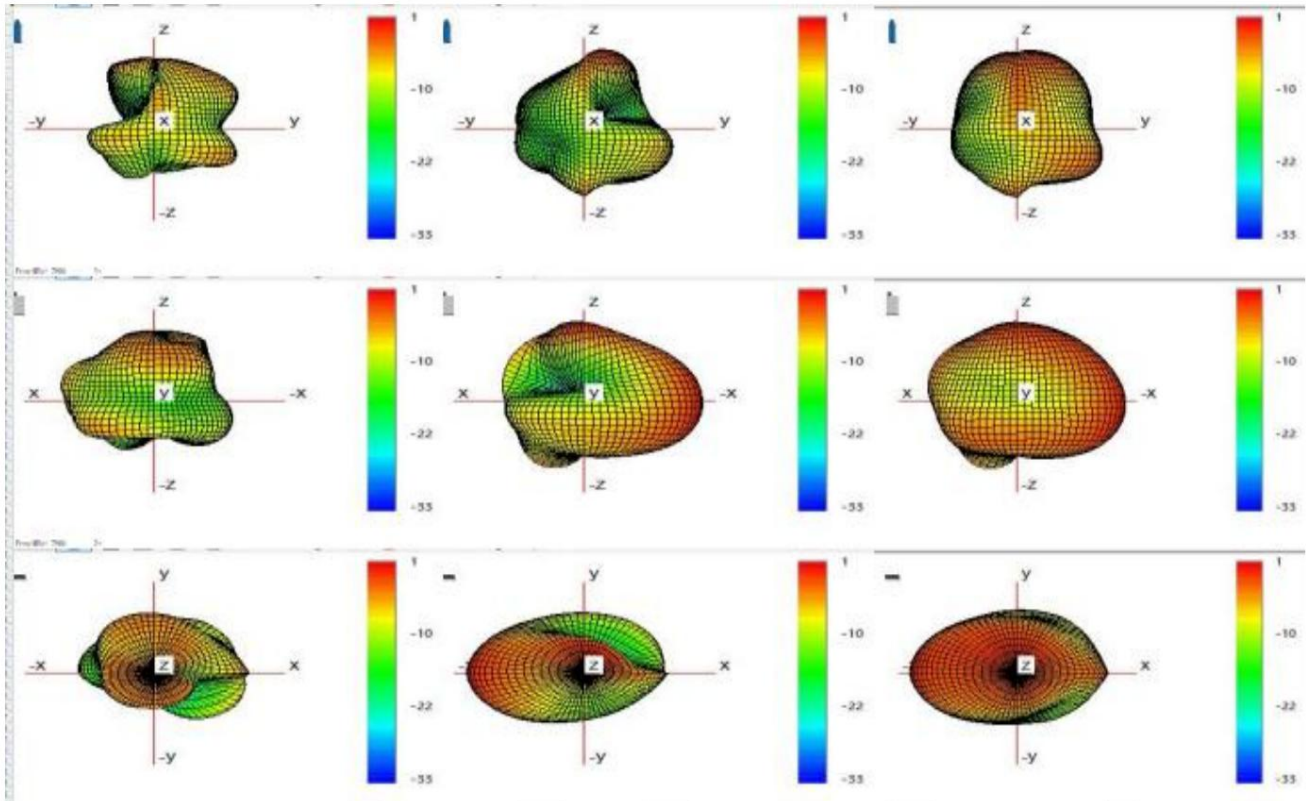
Connect the SMA connector of the measuring tool and record the return loss or standing wave ratio corresponding to the relevant frequency.

2.2.2 Antenna Passive Parameters - UWB

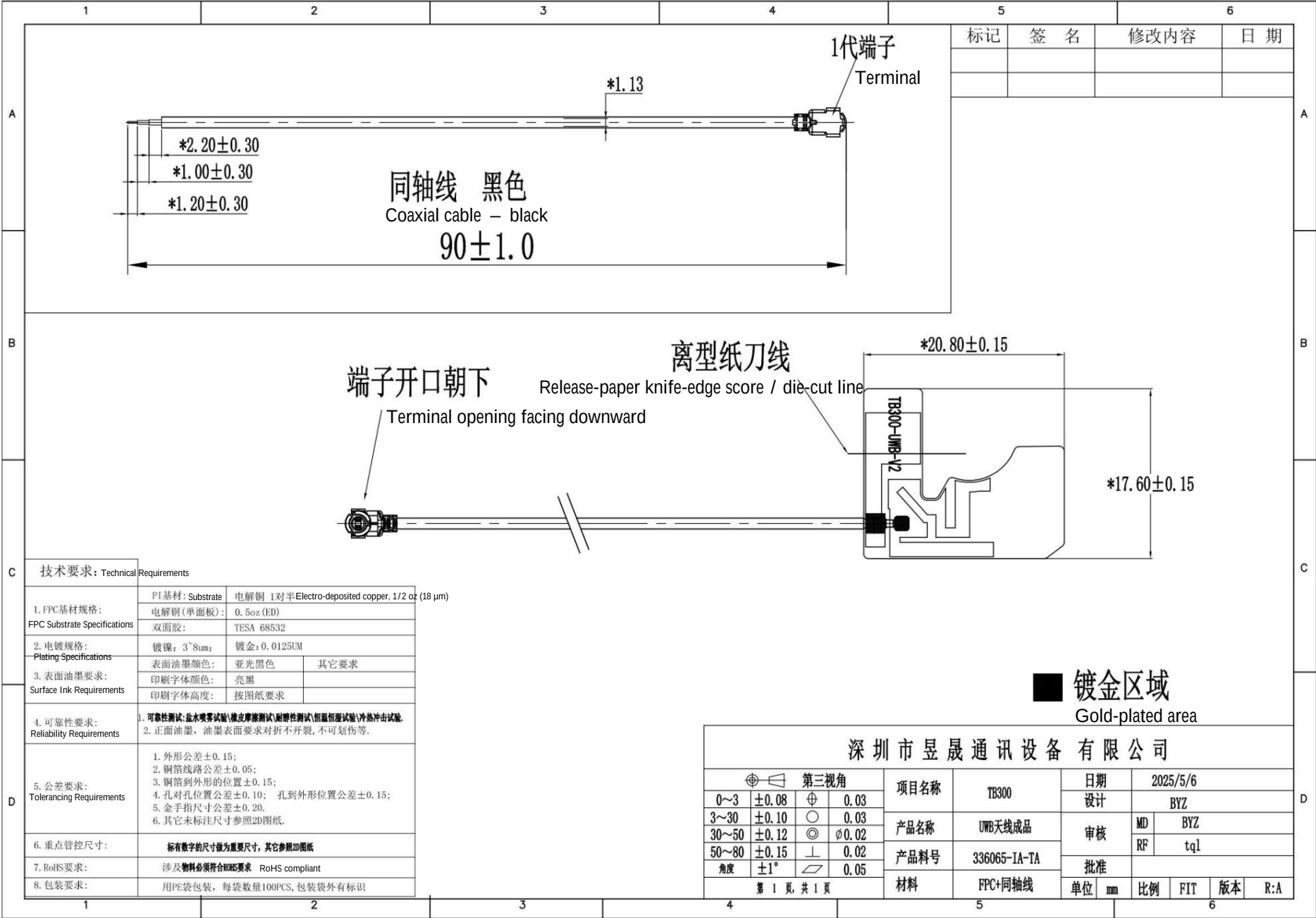


Freq	Effi(%)	Gain (dBi)
7860	32.24%	-4.92
7880	33.87%	-4.70
7900	34.73%	-4.59
7920	33.86%	-4.70
7940	32.31%	-4.91
7960	32.65%	-4.86

2.2.3 Antenna Pattern - UWB



3. Structural drawings



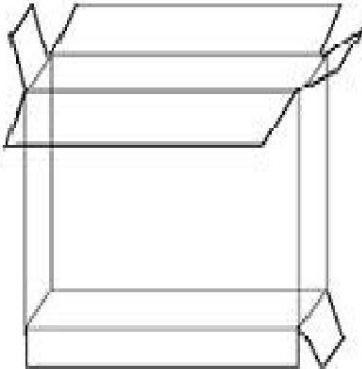


4. Bill of Materials

深圳市昱晟通讯设备有限公司 Shenzhen Yusheng Communication Equipment Co.,LTC 336065 (TB300) BOM表 版次: T:A 客户: 336 机种: 336065 制订日期: 2025/5/6									
项次	*物料编码	*物料名称	物料类别.名称	*机型	规格型号	颜色	*计量单位.	用量	备注
1	336065-IA-TA	UWB天线组件 UWB Antenna Assembly		TB300	FPC 同轴线 焊接	黑色	PCS	1	
1.1	336065-IA-01-TA	UWB-FPC		TB300	UWB-FPC 电解铜 1对半 20.8*17.6*0.12mm	黑色	PCS	1	
1.2	336065-IA-02-TA	UWB-同轴线 UWB-coaxial cable		TB300	1代端子 $\varnothing$ 1.13*90mm	黑色	PCS	1	
1.3	336065-IA-03-TA	UWB-焊接 UWB - soldering		TB300	焊线	黑色	PCS	1	
1.4	TY-CSCT	导通测试 Continuity test		TB300	导通测试	/	PCS	1	
确认:			审核:			制作: 闭业智			



5. Packaging diagram

Packaging diagram																
Material Number	336065															
Project Model	TB300															
Packing details	Carton size 1: 270*260*200MM Carton size 2: 260*200*200MM Carton size 3: According to order quantity/volume Certainly															
	Packing method	Packing according to order quantity														
	Total number of boxes	Packing according to order quantity														
Labeling requirements	Label Size 1: Universal 100*100mm Label Size 2: According to customer requirements	深圳市昱晟通讯设备有限公司 <table><tr><td>客户名称</td><td>*****</td></tr><tr><td>订单编号</td><td>*****</td></tr><tr><td>项目名称</td><td>*****</td></tr><tr><td>物料编码</td><td>*****</td></tr><tr><td>数 量</td><td>****pcs</td></tr><tr><td>出货日期</td><td>****年**月**日</td></tr><tr><td colspan="2">地址：深圳市光明新区光明大道南太云创谷园区2栋4楼4A</td></tr></table>	客户名称	*****	订单编号	*****	项目名称	*****	物料编码	*****	数 量	****pcs	出货日期	****年**月**日	地址：深圳市光明新区光明大道南太云创谷园区2栋4楼4A	
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地址：深圳市光明新区光明大道南太云创谷园区2栋4楼4A																
Precautions																
1. Due to order quantity restrictions, the packing method for each material is based on the total order quantity or physical volume.																
2. Storage temperature: room temperature																
3. Storage conditions: Store in a cool and dry place																