TRANSTEK

Lifesense Medical Electronics Co.,Ltd.

SPECIFICATION FOR APPROVAL

Lifesense Medical Material Specifications:

W1P35X8W04,WIFI Antenna, Black,DBT

Supplier PRODUCTS:

W1P35X8W04

Lifesense Medical PART NO:

Manufacturing Company:

DBT

DATE:

2022/11/11

PROVIDER:

SHENZHEN DIBITONG TELECOMMUNICATION TECHNOLOGY CO.,LTD.

APPROVED BY VENDOR							
Supplier				Lifesense Medical			
Make	R&D	Quality	Approve	R&D	Quality	Supply Chain	Approve
YCQ	QIUBO	YXP	HJJ				
Remark:							

Contents

One、 Cover

Two、 Contents

Three、 Change History

Four、 Product Specifications (Electronic/Electrical)

Five、 2D Drawings

Six、 Key Bill of Materials & BOM

Seven、 Full Size Measurement Report

Eight、 RoHS Report

Nine、 REACH Statement

Ten、 Packing

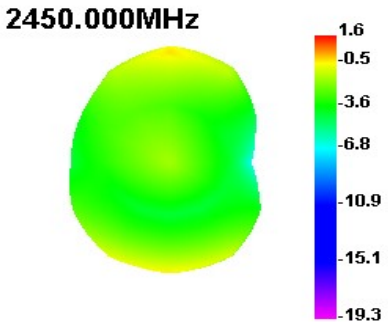
Three、Change History

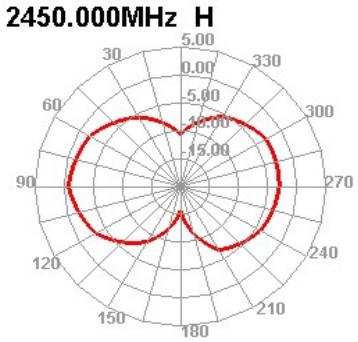
Number	Change Date	Project Name	Version	Change Content	Remark
1	2022/11/11	W1P35X8W04	A	Production of mass production approval letter	

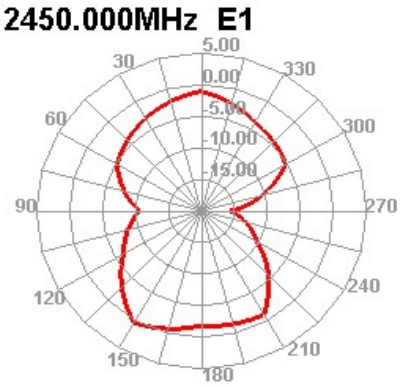
Four、Product Specifications (Electronic/Electrical)

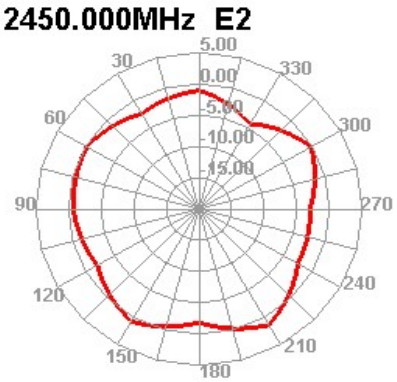
Antenna test data

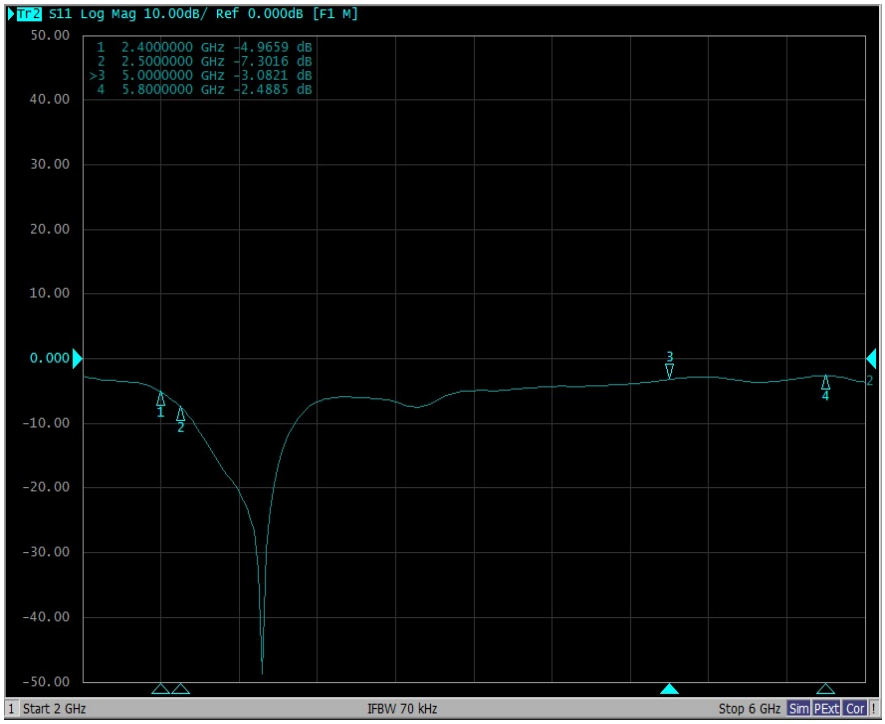
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	34.06	-4.84	-0.77
2410	38.29	-4.31	-0.23
2420	34.43	-4.76	-0.67
2430	46.52	-3.4	0.84
2440	42.11	-3.82	0.52
2450	53.16	-2.8	1.62
2460	47.45	-3.29	1.19
2470	59.75	-2.27	2.24
2480	59.2	-2.32	2.19
2490	61.19	-2.16	2.26
2500	60.06	-2.24	2.15





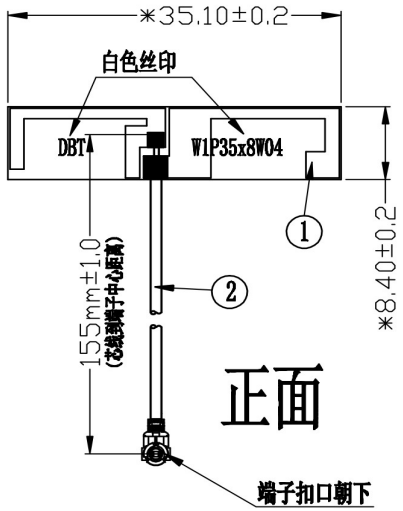




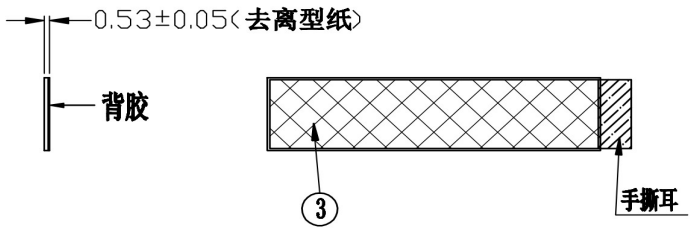


Tested product

Five、2D Drawing



正面



背胶面

备注：激光样品尺寸公差±0.3MM.

技术要求：

1、打*为重点尺寸（CPK>1.33），未标尺寸参考2D图纸,其它尺寸以实配为准；
2、铜泊18μm,T=0.4mm;
3、▨ 区域为走线区域,■ 区域为焊盘区域,▩为附胶区域(3M300LE,粘性在300MP以上)；
4、天线表面油墨需均匀，不可有起皱不良等现象；
5、同轴线不可有短路，外被划伤等不良；
6、天线焊点需饱满，无虚焊，漏焊等不良；
7、可靠性测试：盐雾测试48H，高/低温储存（24H),高温高湿（24H）,百格测试；
8、产品符合RoHS要求,REACH要求。

序号	名称	规格说明	颜色	用量	备注
③	背胶	3M背胶，颜色透明	透明	1	
②	同轴线	一代端子，Φ1.13MM，外被黑色，长度155MM	黑色	1	端子扣口朝下
①	天线本体	35.10mm*8.40mm*0.53mm	黑色	1	

深圳市迪比通通讯设备有限公司

第三角法			机种	W1P35X8W04	日期	2022/09/07	页码 1/1
未注公差参见标准		0.02	品名	天线组件	设计	姚常青	审核
10以下	±0.10	Φ0.03	料号		审核	工程	
10~20	±0.12	0.02	材质			射频	YZJ
20~40	±0.15	0.04	模面处理		确认		
40以上	±0.20	0.02	外观处理		单位	mm 比例 FIT	版本 R:A
请勿实测图纸							

Six、Key Bill of Materials & BOM

Project Name	Split Name/Part Model	Manufacturer's name	Applicable Products
W1P35X8W04	Shell/C5191	RIKUANG	cable
	Terminal/C5210	RIKUANG	cable
	Gold/Au	QIAOFU	cable
	Nickel plating/Ni	QIAOFU	cable
	Insulating Layer/FEP	XINDIAN	cable
	Silver-plated copper wire/Cu-Ag	XINDIAN	cable
	Tinned copper wire/Cu-Sn	XINDIAN	cable
	Substrate/Cu	CAILUNGEDI	Antenna
	Ink/PSM-800	YOULI	Antenna
	Adhesive tape	HONGJIN	Antenna
	Gold Finger/nickel	QIANSHENG	Antenna

TRANSTEK

Seven、Full Size Measurement Report (FAI)

Project Name	W1P35X8W04	Stage of project:	Mass Production
Part Code:		Mold/ Cavity#:	
Drawing version:		Supplier:	Dibitong

Supplier measurer:		Project name:	
Supplier submission date:	2022/11/11	Part Name	
Supplier Reviewer:		Drawing version:	

Lifesense Medical measurer:	
Lifesense Medical submission date:	
Lifesense Medical Reviewer:	

Drawing specifications						Check tool	Supplier Inspection Results							Supplier Inspection Analysis				Lifesense Medical Test Result							Lifesense MedicalCheck Analysis				Remark	
							Sample Number			eviation from size specificatio			average value	% Deviation percentage		accept / not accept		Sample Number			eviation from size specificatio			average value	% Deviation percentage		accept / not accept		Supplier Notes	customer handling
Number	Bitmap	Attribute	specification	+deviation	-deviation		1	2	3	1	2	3		Up	Down	High	Low	1	2	3	1	2	3		Up	Down	High	Low		
1		focus	35.10	0.2	0.2	other	35.150	35.120	35.140	0.050	0.020	0.040	35.137	25%	0%															
2		focus	8.40	0.2	0.2	other	8.430	8.450	8.380	0.030	0.050	-0.020	8.420	25%	10%															
3		focus	155.00	1	1	other	155.300	155.300	155.200	0.300	0.300	0.200	155.267	30%	0%															
4		focus	0.53	0.05	0.05	other	0.540	0.520	0.530	0.010	-0.010	0.000	0.530	20%	20%															

TRANSTEK

Seven、Full Size Measurement Report (FAI)

Project Name	W1P35X8W04	Stage of project:	Mass Production	Supplier measurer:	
Part Code:		Mold/ Cavity#:		Supplier submission date:	2022/11/11
Drawing version:		Supplier:	Dibitong	Supplier Reviewer:	

Project name:	
Part Name	
Drawing version:	

Lifesense Medical measurer:	
Lifesense Medical submission date:	
Lifesense Medical Reviewer:	

Drawing specifications						Check tool	Supplier Inspection Results							Supplier Inspection Analysis				Lifesense Medical Test Result							Lifesense MedicalCheck Analysis				Remark	
							Sample Number			eviation from size specificatio			average value	% Deviation percentage		accept / not accept		Sample Number			eviation from size specificatio			average value	% Deviation percentage		accept / not accept		Supplier Notes	customer handling
Number	Bitmap	Attribute	pecificatio	+deviation	-deviation		1	2	3	1	2	3		Up	Down	High	Low	1	2	3	1	2	3		Up	Down	High	Low		

Number	Number	NOTES	Check tool	Sample #1	Sample#2	Sample#3	Supplier Notes	customer handling
1	1	NOTES:(UNLESS OTHERWISE SPECIFIED) 1.COSMETIC.(1)POLISHED;(2)EDM;(3)TEXTURE;		ACCEPTED	ACCEPTED	ACCEPTED		
2	2	2.For more detailed dimensions, refer to the 3D files.		ACCEPTED	ACCEPTED	ACCEPTED		
3	3	3. Unless otherwise specified, general draft angle should be less than 1		ACCEPTED	ACCEPTED	ACCEPTED		
4	4	4. Unless otherwise specified , break all sharp corner to R0.1MM		ACCEPTED	ACCEPTED	ACCEPTED		
5	5	5.Dimensions with a "*" symbol are important IQC inspection dimensions;		ACCEPTED	ACCEPTED	ACCEPTED		
6	6	6.All dimensions in this drawing are the final product dimensions		ACCEPTED	ACCEPTED	ACCEPTED		
7	7	7.No injection defects, scrape mark, gas mark, shrinkage, warp, stress mark etc should exist on the part. For detailed		ACCEPTED	ACCEPTED	ACCEPTED		
8	8	8.The parts that need to match with each other should meet the requirements of Huawei.		ACCEPTED	ACCEPTED	ACCEPTED		
9	9	9.The materials and coating which used have to make satisfied with the EU WEEE and RoHS directives.		ACCEPTED	ACCEPTED	ACCEPTED		
10	10	10.MFI value of the plastic part must be tested,and the MFI value should be no more than 40%.		TESTING	TESTING	TESTING		
11	11	11.For the default tolerance, refer to the tolerance chart. Add a "*" symbol on the selected level.		ACCEPTED	ACCEPTED	ACCEPTED		
12	12	12.The positions and sizes of the information,such as part line,gate,date mark CAV. No,recyle icon,vendor information		ACCEPTED	ACCEPTED	ACCEPTED		
13	13	13. The symbol of " * " means : The dimensions should be calculated to get the SPC and CPK, and CPK		MEASURING	MEASURING	MEASURING		

Remark:
(Inspection tools: caliper; micrometer; three-dimensional; 2.5D projector; height gauge; needle gauge; visual)
Report size output description:
"P": The size that needs to be destroyed and measured, report remarks when it is not measured
"Y": The dimension in question is not clearly marked on the drawing, and a remark is reported when it is not measured.
"E": Dimensions that cannot be measured are marked on the drawing, and remarks are reported when not measured
"NONE": The dimension marked on the drawing but the real object has no features, and the report notes "NONE" when it is not measured

Eight、RoHS Report

Supplier Name:	Shenzhen DBT Communication Device Co., Ltd		Supplier Approver:
Supplier Address:	Rm505, 8th building, Yingu 2nd period, Pingshan No.1 Road, Xili Town,Nanshan District, ShenZhen, China		Approver Email:
Supplier Form Filler :	Yang ziji		Supplier Contact Number:
Email Address:	dbt_yxp@163.com		Date:

NO.	Lifesense Medical Part No	Supplier part	Product Name	Specifications	Name and Model	Material content(mg)	Supplier	Report Number	Test Date	ing faci	RoHS					
											Cd	Pb	Hg	Cr(VI)	(PBBs	(PBDEs)
		W1P35X8W04	Antenna	W1P35X8W04,WIFI Antenna, Black,DBT	Shell/C5191	6	RIKUANG	CANEC2121147713	2021/11/18	SGS	ND	11	ND	ND		
					Terminal/C5210	5	RIKUANG	CANEC2121147708	2021/11/18	SGS	ND	14	ND	ND		
					Gold/Au	0.01	QIAOFU	CAN2203178202	2022/3/9	SGS	ND	ND	ND	ND	ND	ND
					Nickel plating/Ni	0.01	QIAOFU	CAN2203178206	2022/3/9	SGS	ND	ND	ND	ND	ND	ND
					Insulating Layer/FEP	109	XINDIAN	SHAEC2127178503	2021/12/21	SGS	ND	ND	ND	ND	ND	ND
					Silver-plated copper wire/Cu-Ag	20.2	XINDIAN	SHAEC2127051115	2021/12/16	SGS	ND	ND	ND	ND	ND	ND
					Tinned copper wire/Cu-Sn	82.3	XINDIAN	MQCQ19EG0406407D1	2022/3/23	谱尼	ND	ND	ND	ND	ND	ND
					Substrate/Cu	505.4	CAILUNGEDI	SHAEC2202460504	2022/2/21	SGS	ND	ND	ND	ND	ND	ND
					Ink/PSM-800	125.3	YOULI	ETR22705913	2022/8/5	SGS						
								ETR22705905	2022/8/5	SGS	ND	ND	ND	ND	ND	ND
					Adhesive tape	162.8	HONGJIN	CANEC2200386502	2022/1/12	SGS						
								CANEC2200386501	2022/1/12	SGS	ND	ND	ND	ND	ND	ND
					Gold Finger/nickel	6.2	QIANSHENG	A2220283397101002C	2022/7/9	huace						
								A2220283397101001C	2022/7/9	huace	ND	ND	ND	ND	ND	ND

Yang zhigang

dbt_yang@163.com/13927478525

0755-83763273

2022/7/15

				卤素		SCCP	HBCDD	Sb	Sb2O3	Be	As	Organotin (TBT/TPT/DBT/TBTO/DOT)	PAHS	Ni release	Azo dyes	Allergenic & Carcinogenic Dyes	DMF	BPA	PFOS&PFOA	PCP	Formaldehyde	邻苯	加州65	REACH SVHC	备注	MSDS	VOC回执	VOC测试报告
DEHP	BBP	DBP	DIBP	Br	Cl																							
										ND															210	English	Have	No control
										ND															210	English	Have	No control
ND	ND	ND	ND	ND	ND					ND									ND						210	English	Have	No control
ND	ND	ND	ND	ND	ND					ND									ND						210	English	Have	No control
ND	ND	ND	ND	ND	ND					ND			ND									ND			210	English	Have	No control
ND	ND	ND	ND					ND		ND									ND						210	English	Have	No control
ND	ND	ND	ND							ND															210	English/China	Have	No control
ND	ND	ND	ND	ND	ND																				210	English	Have	No control
				ND	253																						Have	No control
ND	ND	ND	ND					ND											ND			ND			210	English	Have	No control
				ND	152																							
ND	ND	ND	ND																						210	English	Have	No control
				ND	142																						Have	No control
ND	ND	ND	ND																						210	China	Have	No control

广东乐心医疗电子有限公司

Guangdong Transtek Medical Electronics Co.Ltd

供应商关于REACH法规的声明书

Supplier Declaration for Substances of Very High Concern in REACH Regulation

Responsible Issuer: Supplier Information 供应商信息

Company Name 公司名称	Shenzhen DBT Communication Device Co., Ltd
Manufacturing Location Address 公司地址	Rm505, 8th building, Yungu 2nd period, pingshan No.1 Road, Xili Town,Nanshan District, ShenZhen , China
Authorized Signature 授权人签名	杨志钢
Name 填表人	杨小平
Title 职称	品质经理
Email 邮箱	dbt_yxp@163.com
Date 日期	20220715
Company Stamp 公司印章	
Object of Declaration 声明书内容	
Part Number 声明零件编号	
Part Description 零件描述	W1P35X8W04,WIFI Antenna, Black,DBT
Was this part tested for SVHCs?	Yes
number(s) 测试报告编号	SZXEC2202337501
SVHC test report date(s) 测试日期	20220715

☑ Above all parts or products supplied directly or indirectly from Company to Guangdong Transtek Medical Electronics Co.,Ltd do not contain SVHCs substances listed EC.1907/2006 document(See SVHCs latest list Annex1),and fulfill requirements for REACH regulation EC. No 1907/2006 Annex XVII (See REACH annex XVII) .

供应商提供给TRANSTEK的所有产品及材料都不含有REACH法规规定的高关注度物质SVHC（SVHCs最新清单见附件1），且产品能够满足REACH法规的附录十七的限用物质的要求（详见REACH附录

☐ Above all parts or products except the parts filling in table 1 supplied directly or indirectly from Company toGuangdong Transtek Medical Electronics Co.,Ltd contain SVHCs substances listed EC.1907/2006 document(See SVHCs latest list Annex 1).Please put the part containing SVHCs to fill in table 1 and listing in table 1 P/N product contain SVHCs is less than 1000PPM,and fulfill requirements for REACH regulation EC.No 1907/2006 Annex XVII (See REACH annex XVII) . 供应商提供给TRANSTEK的产品及材料含有REACH法规规定的高关注度物质SVHC（SVHCs 最新清单见附件），且其浓度不超过0.1%(wt%),含有的高度关注物质信息需填入下表一内，且产品能够满足REACH法规的附录十七的限用物质的要求。

☐ Above all parts or products except the parts filling in table 1 supplied directly or indirectly from Company toGuangdong Transtek Medical Electronics Co.,Ltd contain SVHCs substances listed EC.1907/2006 document(See SVHCs latest list Annex 1).Please put the part containing SVHCs to fill in table 1 and listing in table 1 P/N product contain SVHCs is more than 1000PPM,and fulfill requirements for REACH regulation EC.No 1907/2006 Annex XVII (See REACH annex XVII) . 供应商提供给TRANSTEK的产品及材料含有REACH法规规定的高关注度物质SVHC（SVHCs 最新清单见附件），且其浓度超过0.1%(wt%),含有的高度关注物质信息需填入下表一内，且产品能够满足REACH法规的附录十七的限用物质的要求。

Table 1

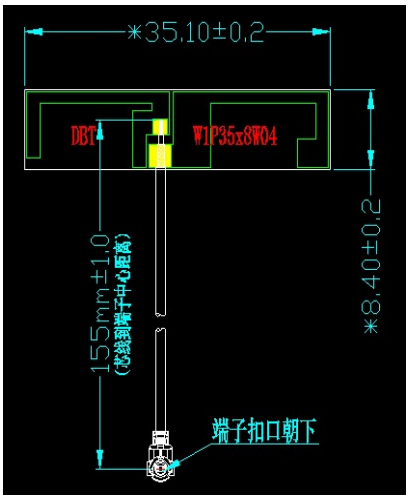
P/N *零件编号*	*Weight(g)* *零件重量*	*SVHC Name* *SVHC 名称*	*content* *浓度*	*Unit* *单位*	*Location of substance* *使用位置*	CAS Number 化学文摘社登记编号

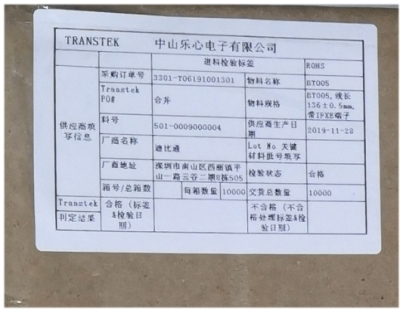
ensure its accuracy and that such information is true and correct, as of the date company completes this form.In the event that Company has not in independently verified information provided by others ,Company agrees and assures that ,at a minimum,its suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification provided in this paragraph. If the facts prove or may prove contrary to the content of the certificate, we will take the relevant responsibilities for the consequences caused.本公司声明如下：在本文件中提供的所有信息均采用适当的方法收集，以确保其准确性，至填写该表格时间以前，以上信息是真实和正确的。如果公司尚未提供独立验证信息，公司保证至少其供应商提供了有关其对该部分的认证，这些认证至少与本段中提供的认证信息一样全面。 如果有事实证明产品不符合以上声明的内容，我们将对造成的后果承担相关责任。

☆☆备注：所有版本改版依据欧盟ECHA公布的SVHC的目录更新记录而更改，产品中只要含有SVHC，不管浓度多少都必须填写TABLE 1.

CY-FOR-0556 A1版

Ten、Packing

1.2D drawing of a single product		Product part number	
		Product name	W1P35X8W04_WIFI/ Black
		Product Version	V1

3.Photo of all layers in the box stacked	4.Photos of the whole box after sealing		
		Number of full pages	200PCS
		Remarks: The picture on the left is for reference, and the quantity of each box is subject to the actual product.	
5.photo of the whole package	6.photo of carton label		
		Storage conditions: -10° to 30°, indoor humidity below 70% RH	

Note: The pictures in the above picture are only for demonstration of packaging standards and cannot be used for final data review.

Check	Yang xiaoping		Date	2022-11-11		