

PRODUCT SPECIFICATION

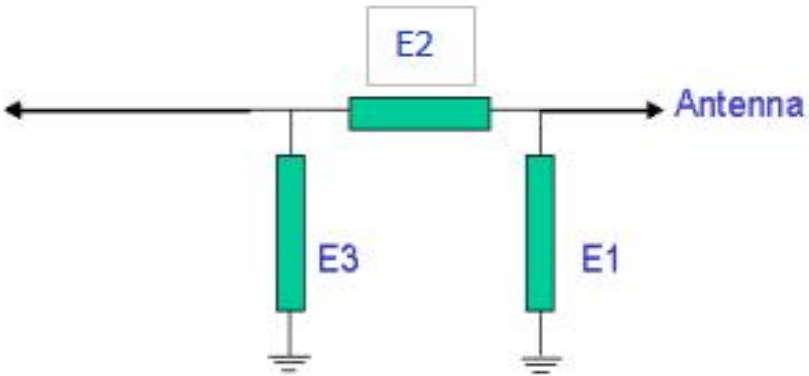
产品名称: D13
PRODUCT NAME

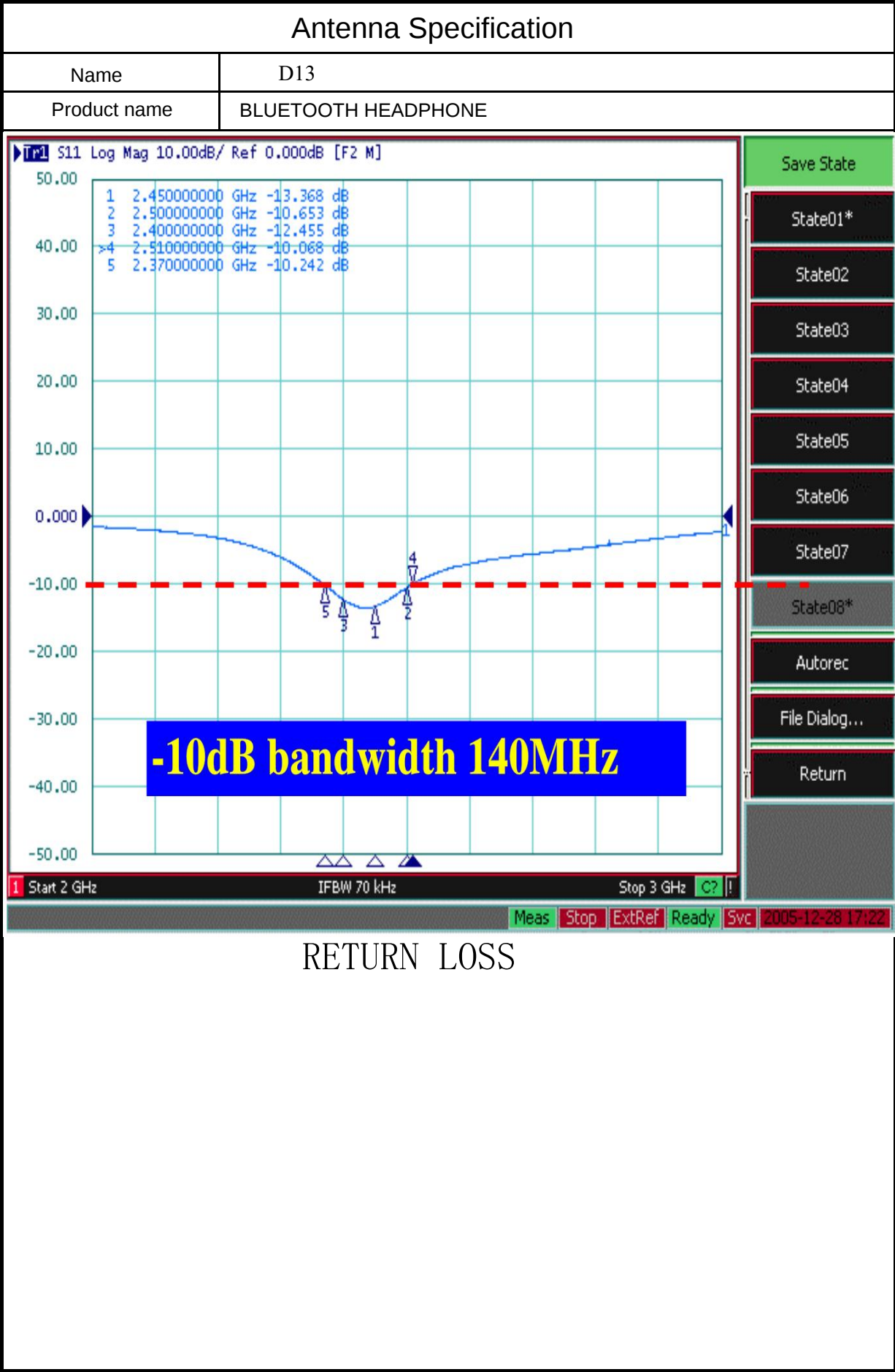
PRODUCT NUMBER

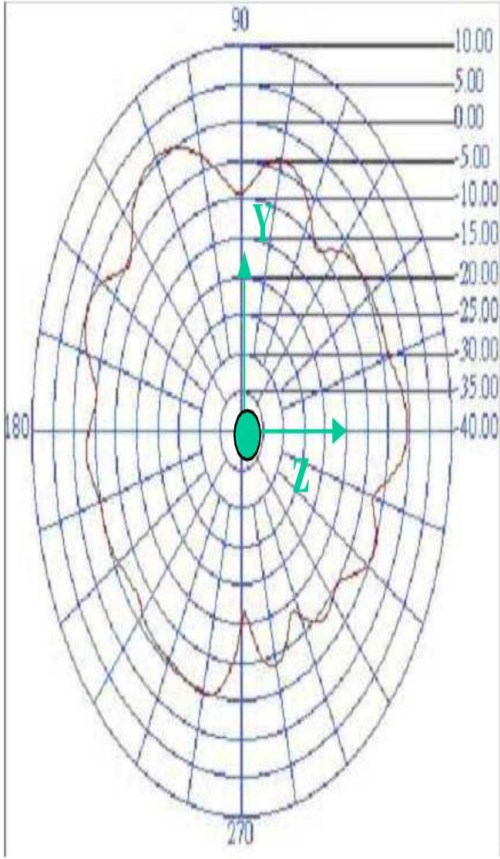
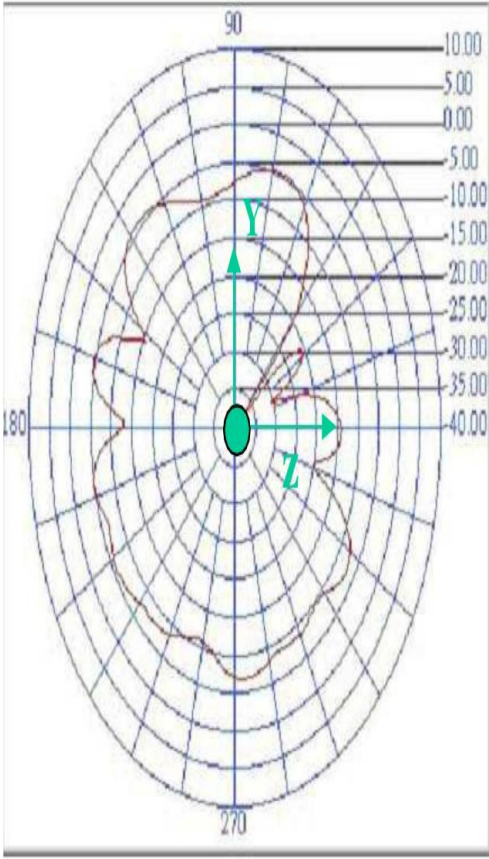
CUSTOMER NUMBER

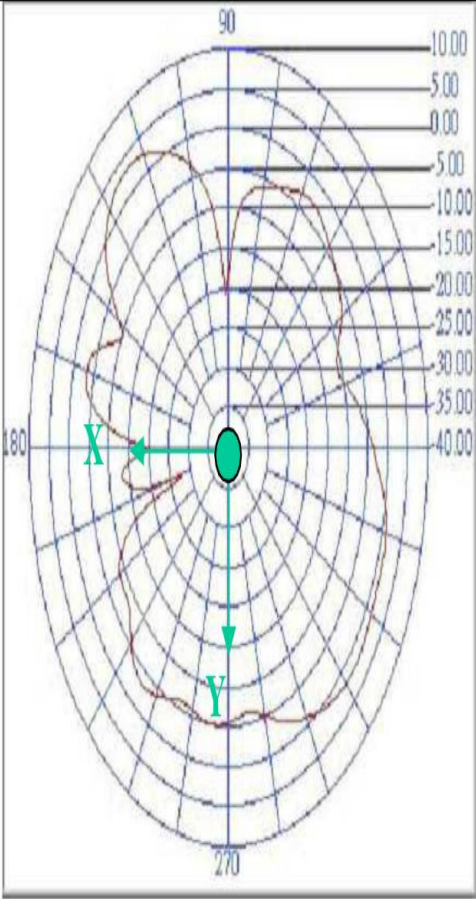
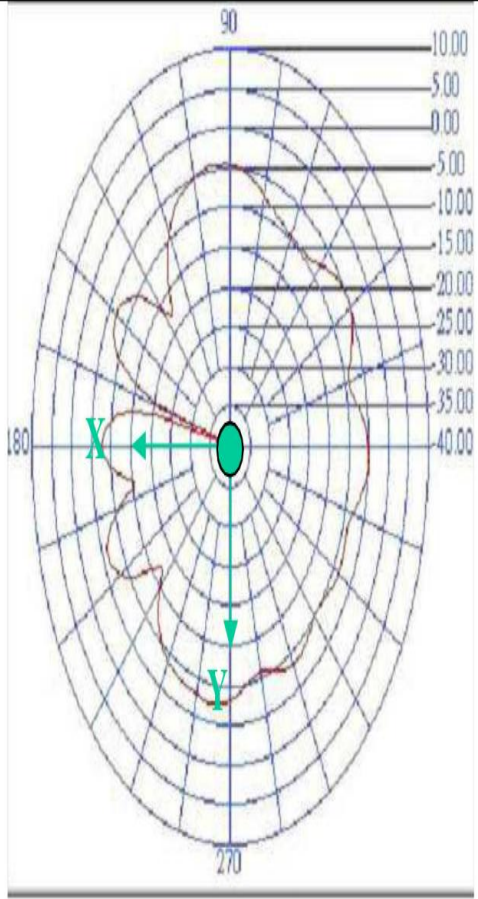
SHENZHEN HXD COMMUNICATION TECH CO., LTD.
301, No. 8, Sanhe Overseas Chinese District 2, Tongsheng
Community, Dalang Street, Longhua District, Shenzhen City, China
TEL:0755-61123122 FAX:0755-61123480

Antenna Specification		
Name		D13
Product name		BLUETOOTH HEADPHONE
	1. Frequency	2.402GHz ~2.480GHz
		50 Ω
	3. VSWR	
		2. 402GHz ~2. 480GHz 1. 5
	4.GAIN	2. 402GHz ~2. 480GHz GAIN=3. 19dBi (Typical)

Antenna Specification											
Name	D13										
Product name	BLUETOOTH HEADPHONE										
BLUE TOOTH ANTENNA 匹配电路  <table><tr><td>E1</td><td>1.5NH</td><td>/</td></tr><tr><td>E2</td><td>0</td><td>/</td></tr><tr><td>E3</td><td>NC</td><td>/</td></tr></table>			E1	1.5NH	/	E2	0	/	E3	NC	/
E1	1.5NH	/									
E2	0	/									
E3	NC	/									
Type	FPC										



Antenna Specification		
Name		D13
Product name		BLUETOOTH HEADPHONE
Y - Z Plane Average Gain= -3.185 dBi	Horizontal 	Vertical 
	Peak Gain = 0.95dBi Average Gain = -4.26 dBi	Peak Gain= -4.05dBi Average Gain=-8.03 dBi
Y-Z PLANE		

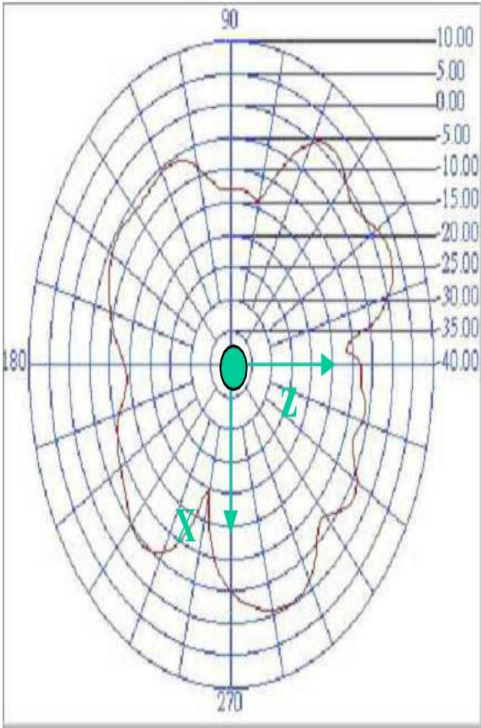
Antenna Specification	
Name	D13
Product name	BLUETOOTH HEADPHONE
X - Y Plane Average Gain= -1.543 dBi	 Peak Gain= 3.19 dBi Average Gain= -2.65 dBi
	 Peak Gain= -4.48 dBi Average Gain= -8.02 dBi
X-Y PLANE	

Antenna Specification

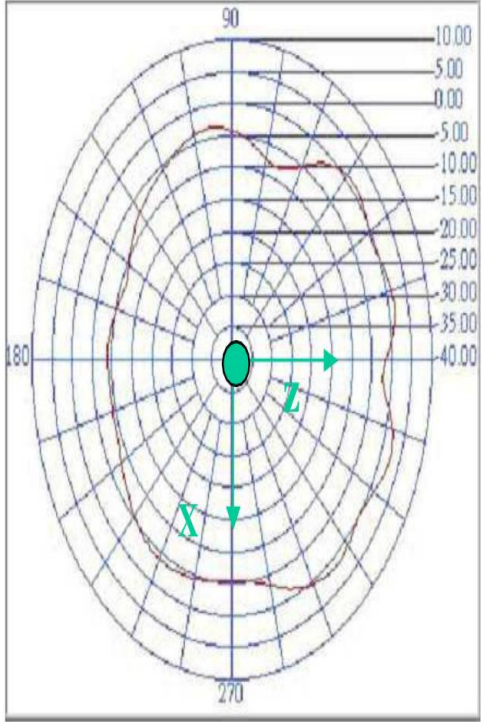
Name	D13
Product name	BLUETOOTH HEADPHONE

X - Z
Plane

Average
Gain=
-0.99 dBi



Peak Gain= 3.05 dBi
Average Gain= -4.10dBi

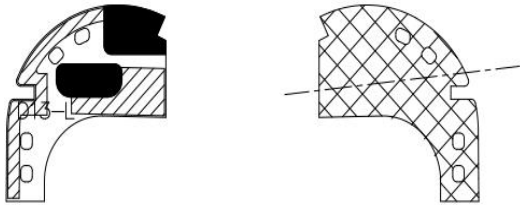


Peak Gain= 2.49 dBi
Average Gain= -2.47 dBi

X-Z PLANE

Antenna Specification

Name	D13
Product name	BLUETOOTH HEADPHONE



型号: D13-L, 表面过黑油, 丝印用白油

打*为重点尺寸, 未标尺寸参考3D图纸; 其它尺寸以实配为准;

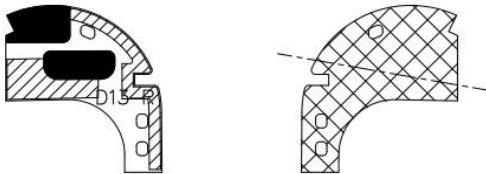
基材13μm, 铜泊18μm, 走线面除焊盘外其它区域需镀哑光黑油

区域为走线区域, 焊盘区域(镀金), 区域

为附胶区域(3M 300/9471 LSE), 背胶需均匀.

FPC 镀金厚度为 0.025 微米 (1U")以上 镍厚3~4.5微米(120~180U").

深圳市恒信达通讯科技有限公司			
第三角法	机种	D13-L	日期
未注公差参照标准	品名	FPC	2023-03-07
10以下 ±0.05	料号		设计
10~20 ±0.08	材 质		SR
20~40 ±0.10	表面处理		工程
40以上 ±0.15			制程



型号: D13-R, 表面过黑油, 丝印用白油

注:

1. 打*为重点尺寸, 未标尺寸参考3D图纸; 其它尺寸以实配为准;

2. 基材13μm, 铜泊18μm, 走线面除焊盘外其它区域需镀哑光黑油

3. 区域为走线区域, 焊盘区域(镀金), 区域

为附胶区域(3M 300/9471 LSE), 背胶需均匀.

4. FPC 镀金厚度为 0.025 微米 (1U")以上 镍厚3~4.5微米(120~180U").

深圳市恒信达通讯科技有限公司			
第三角法	机种	D13-R	日期
未注公差参照标准	品名	FPC	2023-03-07
10以下 ±0.05	料号		设计
10~20 ±0.08	材 质		SR
20~40 ±0.10	表面处理		工程
40以上 ±0.15			制程

修改内容	版本	备注	请对实测图纸	外观处理	单位	mm	比例	FIT
------	----	----	--------	------	----	----	----	-----