



APPROVAL SHEET

客户 (Customer)	深圳市地木升能源科技有限公司 Shenzhen Hechuang Yousu Trade co., Ltd.		
日期 (Date)	2022/12/16		
品名规格 (Description)	IPEX-1.13灰-2.4GFPC (31X13) 裁线长120mm (焊接处打胶)		
料号 (Part No.)			
供应商承认签章：			
工程 ENGINEERING DEPARTMENT	品保 QC DEPARTMENT	业务 SALES DEPARTMENT	
程清	徐小萱	江敏	
客户承认签章：			
工程 ENGINEERING DEPARTMENT	品保 QC DEPARTMENT	生产 MANUFACTORY DEPARTMENT	采购 PURCHASING DEPARTMENT
			毛新琴
批示： <input checked="" type="checkbox"/> 接受 <input type="checkbox"/> 有条件接受 Instructions: <input type="checkbox"/> accepted <input type="checkbox"/> conditional acceptance			
备注：(Remakes)			

※ 感谢给予敝公司送样承认之机会. 如惠蒙承认通过, 烦请将此表签回敝公司.

OWE GRATITUDE TO GIVE US THE OPPORTUNITY OF SAMPLE APPROVAL. PLEASE RETURN THIS FROM TO US AFTER YOURS ACCEPT.

ADD: 2F 76#, 88 Industrial Zone, Xintang pit, Henggang street,
Longgang District, Shenzhen City, CHINA

TEL: 86-755-28462992

FAX: 86-755-28462900

表格编号：IPD-213



Electrical Specifications

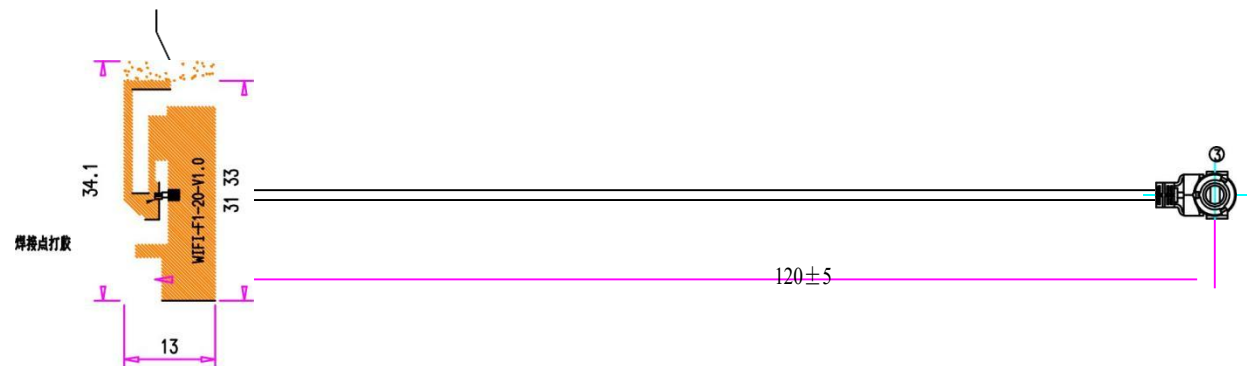
电性能指标		Electrical Specifications	
频率范围	2400-2500MHZ	Frequency Range	2400-2500MHZ
电压驻波比	≤2.0	VSWR	≤2.0
增益	0.81dBi	Gain	0.81dBi
输入阻抗	50 Ω	Input Impedance	50 Ω
最大输入功率	10W	Maximum Input Power	10W
机械指标		Mechanical Specifications	
天线颜色	黑色	Antenna Color	Black
线材颜色	灰色	Cable Color	Grey
接口形式	IPX MHF1	Input connector	IPX MHF1
长度	120MM	Length	120MM
工作温度	-20℃~+85℃	Working Temperature	-20℃~+85℃
工作湿度	20~80%	Working Humidity	20~80%

实物图片:

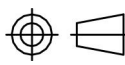



RoHS Compliant

REV	DATE	DESCRIPTION
A0		



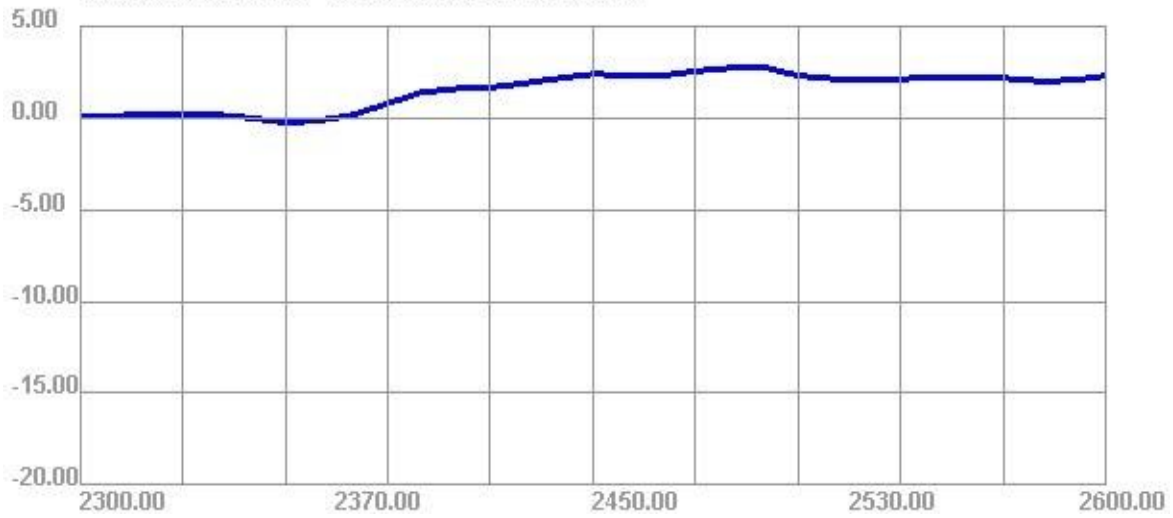
No.	Name	Description	Qty	Part No.
1	IPEX	IPEX 1.13	1	1113-0004
1	FPC	ODI: 13 J&-48-J-FEP	1	" "

 *V (GENERAL TOLERANCES) qp (pinen, ion) (pgies) 0.1 ±0.1 X° ±1° 1.0 ±0.3 X.X° ±0.5° 10.30 ±0.8	版本 (REV) A0	图形名称 (Draw Name) 组立图	客户料号 (CUS No.)
	审核 (Checked) 陈湘柳	PER=113J FPCJ@L200W	3010-0
Who 2	审核 (Checked)	1/1 (Sheet)	2022-12-16
(UNLESS OTHERWISE SPECIFIED)	 深圳市爱沛德电子有限公司 SHENZHEN IPD ELECTRONIC CO.,LTD		

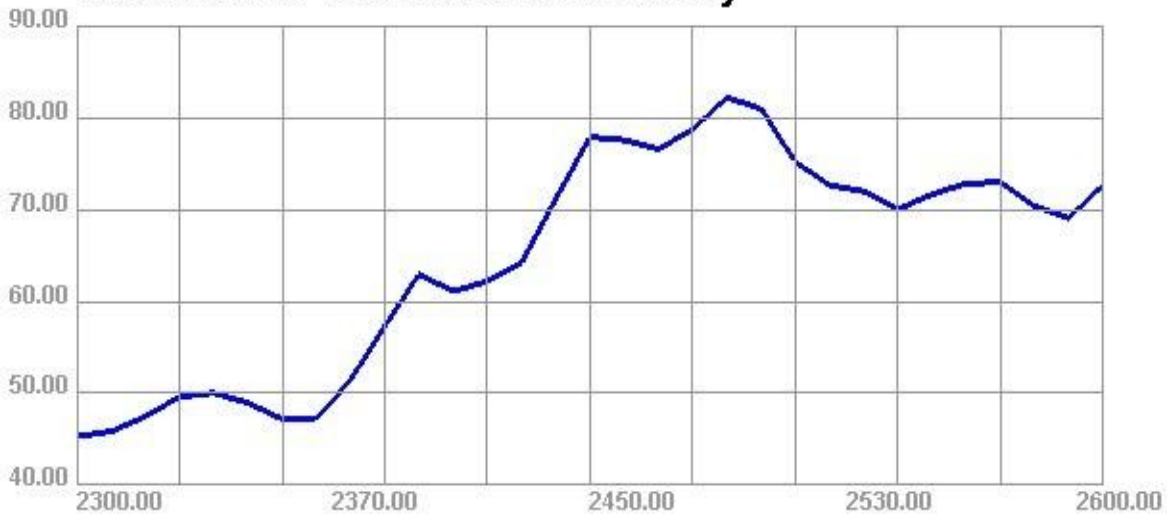


Passive Test For 2400-2500										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	62.96	-2.01	0.39	-0.76	33.36	29.605	0.39	-16.03	46.87	46.67
2410	61.12	-2.14	0.58	-0.57	32.588	28.531	0.58	-17.15	46.85	46.74
2420	62.19	-2.06	0.66	-0.49	33.349	28.846	0.66	-18.78	46.98	46.85
2430	64.24	-1.92	0.81	-0.27	34.404	29.836	0.81	-19.95	47.05	46.99
2440	71.16	-1.48	0.15	0	37.732	33.43	0.15	-19.36	47.31	47.29
2450	77.92	-1.08	0.38	0.23	40.75	37.166	0.38	-17.02	47.72	47.63
2460	77.59	-1.1	0.32	0.17	40.386	37.204	0.32	-15.65	47.76	47.66
2470	76.59	-1.16	0.29	0.14	39.808	36.785	0.29	-15.12	47.73	47.52
2480	78.75	-1.04	0.55	0.4	40.982	37.764	0.55	-15.28	47.76	47.52
2490	82.21	-0.85	0.71	0.56	42.774	39.433	0.71	-15.84	47.89	47.63
2500	81.01	-0.91	0.76	0.61	42.143	38.87	0.76	-16.87	47.75	47.52
2510	75.21	-1.24	0.3	0.15	39.298	35.917	0.3	-18.14	47.54	47.32
2520	72.69	-1.39	0.13	-0.02	37.811	34.875	0.13	-18.52	47.37	47.06
2530	72	-1.43	0.14	-0.01	37.278	34.718	0.14	-17.67	47.32	46.98
2540	70.02	-1.55	0.14	-0.01	35.928	34.09	0.14	-16.34	47.19	46.8
2550	71.68	-1.45	0.15	0	36.764	34.921	0.15	-15.1	47.22	46.83
2560	72.84	-1.38	0.21	0.81	37.529	35.31	0.21	-14.68	47.37	47.05
2570	73.01	-1.37	0.17	0.02	37.807	35.199	0.17	-14.55	47.5	47.07
2580	70.38	-1.53	0.01	-0.14	36.671	33.712	0.01	-14.92	47.57	47.09
2590	69.1	-1.61	0.04	-0.11	36.112	32.989	0.04	-15.7	47.74	47.42
2600	72.68	-1.39	0.29	0.14	37.908	34.777	0.29	-16.07	47.84	47.56

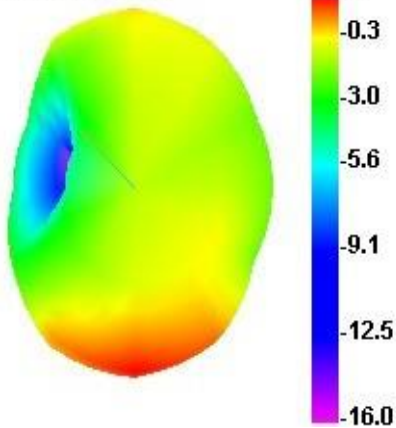
2300.00MHz - 2600.00MHz Gain



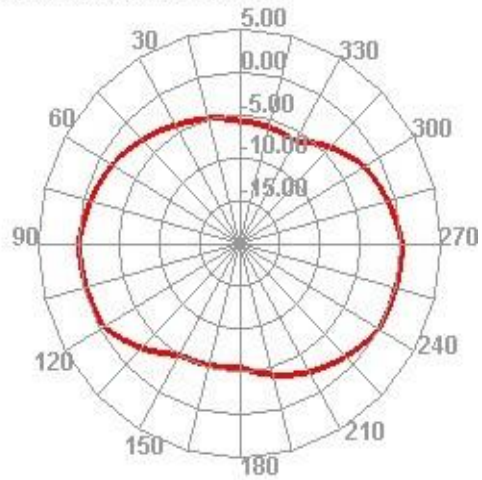
2300.00MHz - 2600.00MHz Efficiency



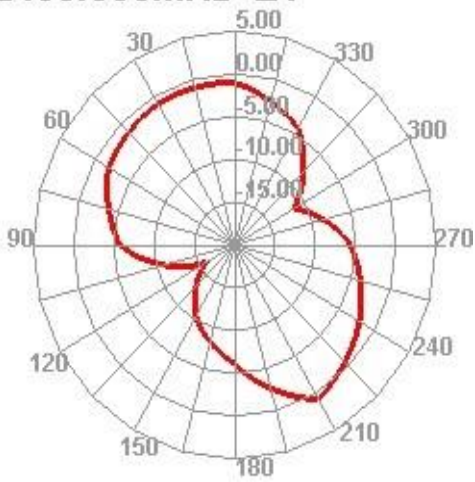
2400.000MHz



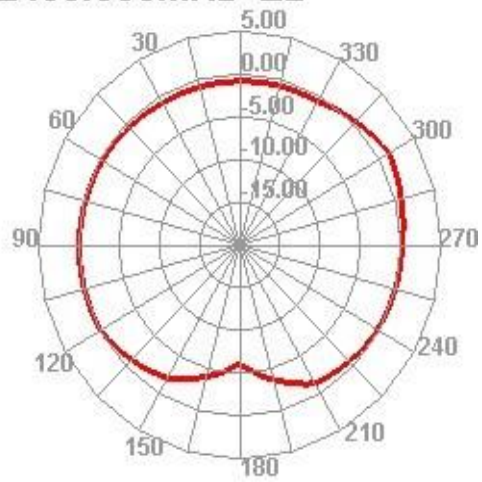
2400.000MHz H



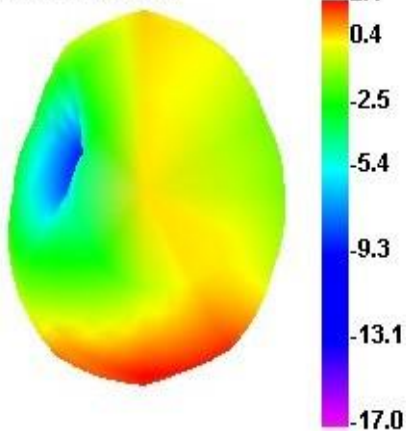
2400.000MHz E1



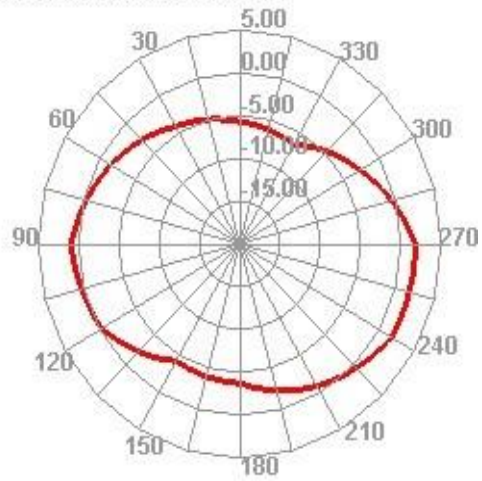
2400.000MHz E2



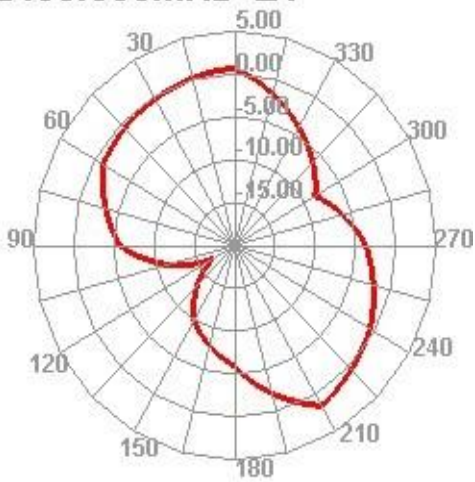
2450.000MHz



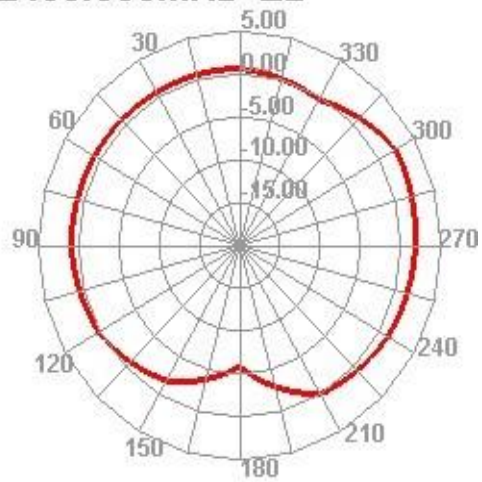
2450.000MHz H



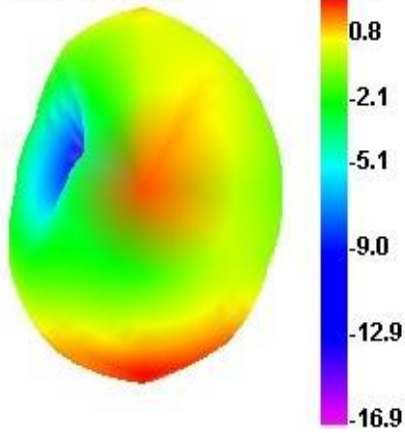
2450.000MHz E1



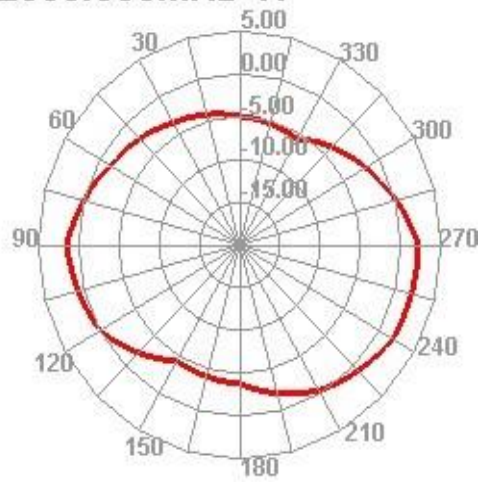
2450.000MHz E2



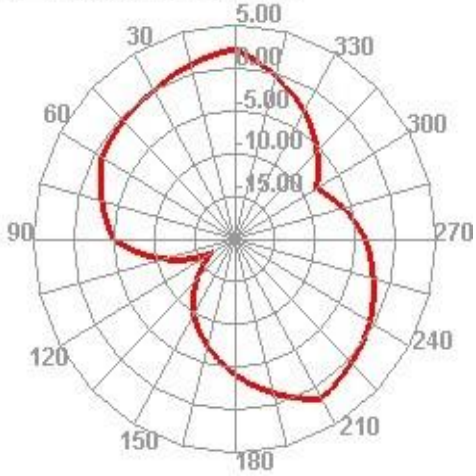
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

