

Shenzhen Yimingyuan Technology Co., Ltd

FPC Antenna specification

Customer	Shenzhen Jiuzhou Electronics Co. Ltd	Specs	350T
Part Number		Frequency Band	2.4G-BT
Color	Green	Edition	REV:A
Salesperson	Yang 's	Design	Yang 'R
Structure	Yao 'R	Confirm	
Date	2020/12.18	Signing Date	
Customer confirmation:			
Join hands to create the future			

一、PCB LAYOUT

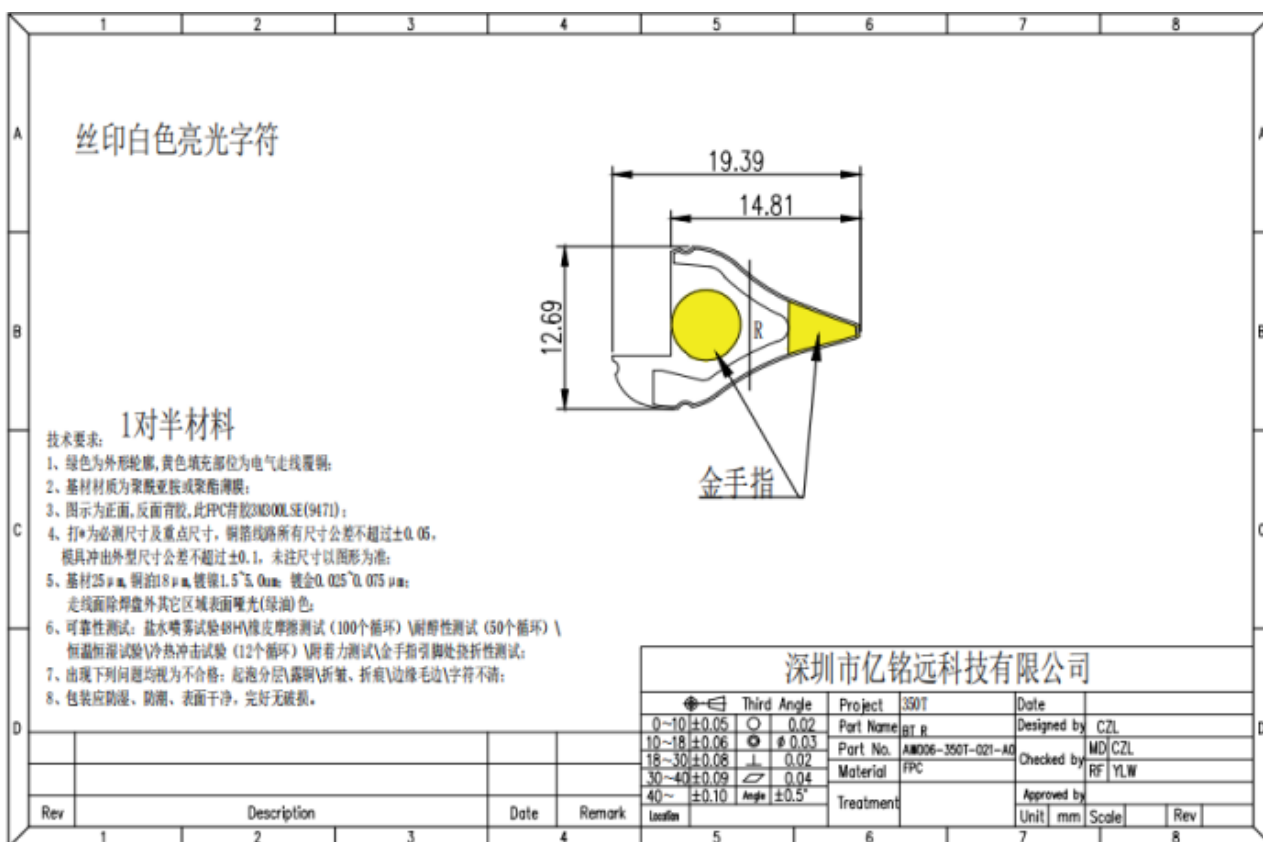
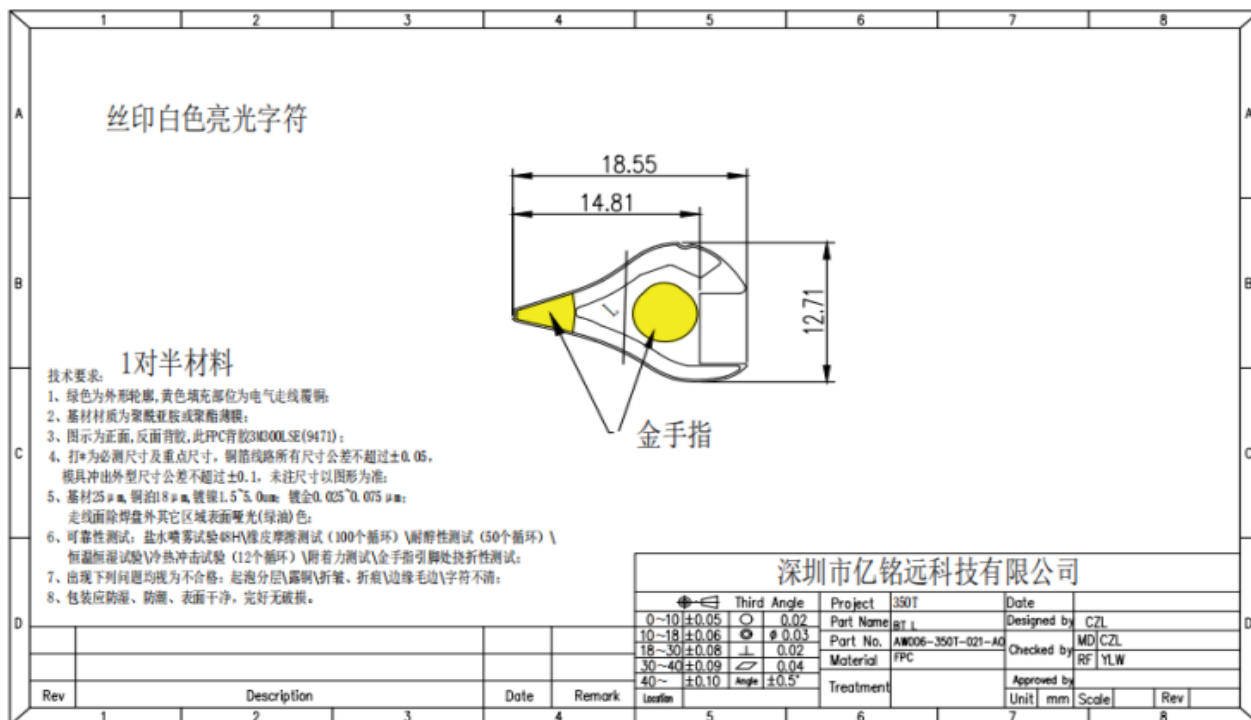


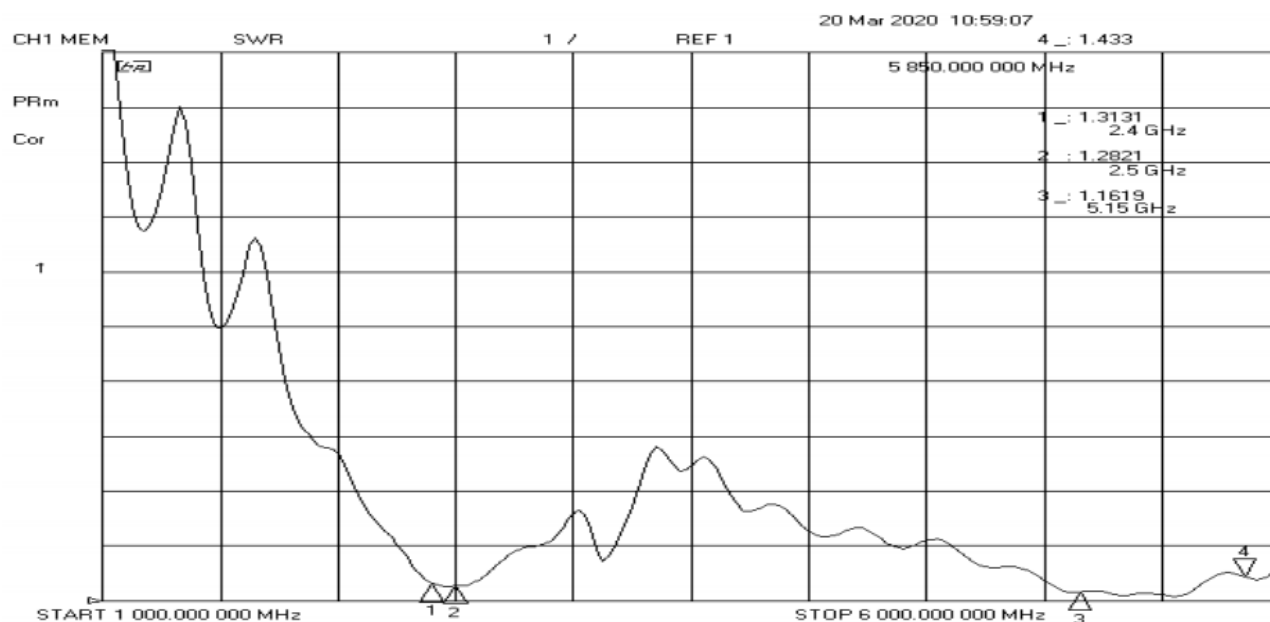
图 1 350T 天线

二、Electrical Specification

1. Working Frequency Range :2400--2500mhz,

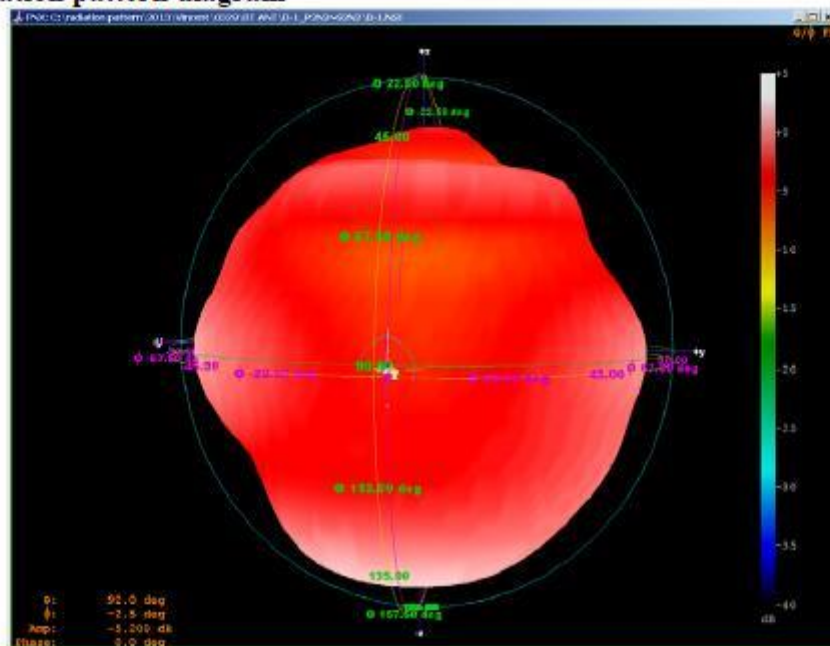
三、Electrical Characteristics

1. Standing wave ratio

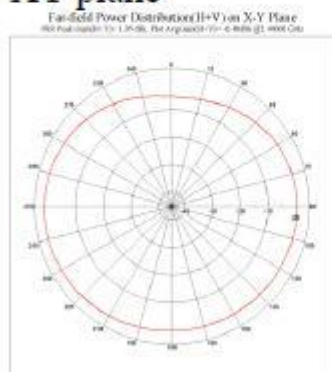


2. Radiation

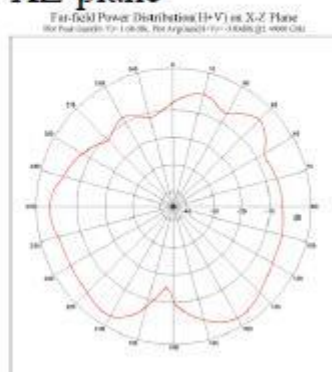
3D radiation pattern diagram



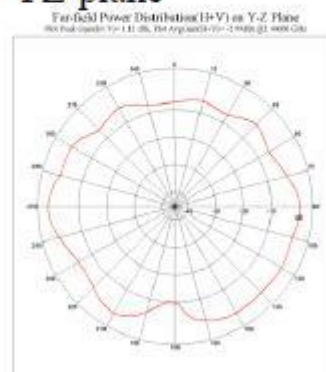
XY-plane



XZ-plane



YZ-plane



3. Efficiency gain

TRP	Every90	Every30	BLUETOOTH	BLUETOOTH	0	2402	6.02	2.75
TRP	Every90	Every30	BLUETOOTH	BLUETOOTH	39	2441	6.64	2.74
TRP	Every90	Every30	BLUETOOTH	BLUETOOTH	78	2480	8.56	4.12
TIS with EIRP	Every90	Every30	BLUETOOTH	BLUETOOTH	0	2402	90.45	87.16
TIS with EIRP	Every90	Every30	BLUETOOTH	BLUETOOTH	39	2441	91.19	87.29
TIS with EIRP	Every90	Every30	BLUETOOTH	BLUETOOTH	78	2480	91.19	86.76

TRP	Every90	Every30	BLUETOOTH	BLUETOOTH	0	2402	3.96	1.26
TRP	Every90	Every30	BLUETOOTH	BLUETOOTH	39	2441	4.38	1.67
TRP	Every90	Every30	BLUETOOTH	BLUETOOTH	78	2480	6.54	3.48
TIS with EIRP	Every90	Every30	BLUETOOTH	BLUETOOTH	0	2402	91.66	88.97
TIS with EIRP	Every90	Every30	BLUETOOTH	BLUETOOTH	39	2441	91.11	88.09
TIS with EIRP	Every90	Every30	BLUETOOTH	BLUETOOTH	78	2480	89.27	85.94

BAND	Passive Test For 2.4/5.8G WIFI										
	Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2.4G	2400	49.71	-3.04	2.26	0.11	31.461	18.252	2.26	-22.62	53.11	53.06
	2410	50.44	-2.97	2.24	0.09	31.886	18.558	2.24	-17.81	53.19	53.04
	2420	50.61	-2.96	2.14	-0.01	32.435	18.176	2.14	-18.83	53.27	53.09
	2430	47.95	-3.19	2.07	-0.58	30.947	17.008	1.57	-21.6	53.39	53.38
	2440	50.19	-2.99	1.89	-0.26	32.57	17.618	1.89	-20.9	53.41	53.3
	2450	53.41	-2.72	1.95	-0.4	35.225	18.18	1.75	-22.45	53.58	53.45
	2460	54.36	-2.65	2.13	-0.02	35.928	18.431	2.13	-21.55	53.67	53.52
	2470	58.71	-2.31	2.24	0.09	38.903	19.803	2.24	-20.26	53.72	53.7
	2480	59.62	-2.25	2.01	-0.14	39.486	20.137	2.01	-21.77	53.72	53.77
	2490	58.09	-2.36	1.93	-0.22	38.267	19.82	1.93	-17.99	53.58	53.64
	2500	58.42	-2.33	1.97	-0.45	38.6	19.825	1.7	-19.26	53.46	53.49