

sample approval sheet

Client Business Name : DongGuan Yiyin Electronic Technology Co.Ltd

Product Name: C065

Product classes: BT Antenna/FPC Antenna

Sample submission date: 2021-11-28

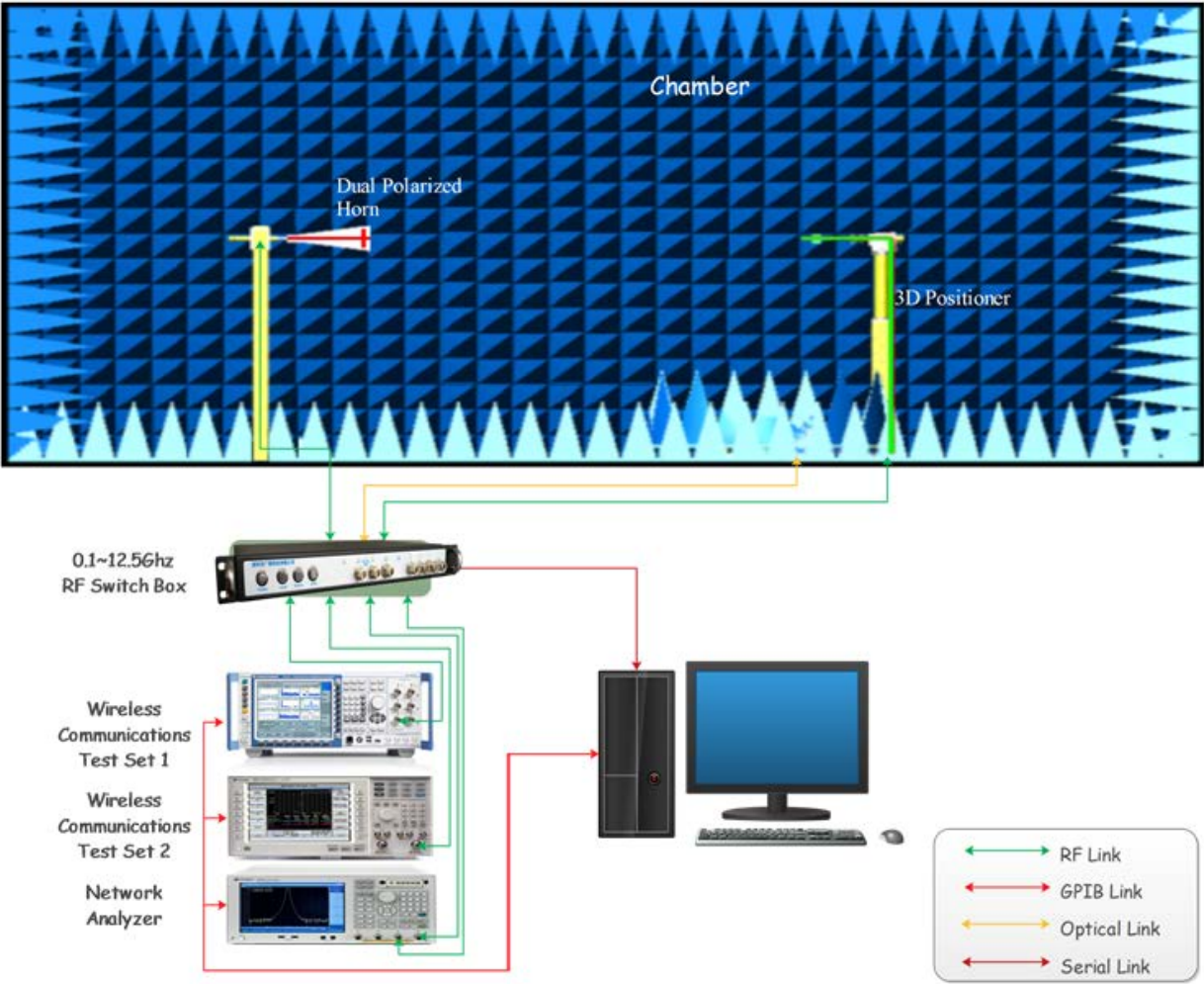
supplier seal	ShenZhen Fbetter Electronic Technology Co.Ltd		
	make	audit	check
	徐勇	罗文海	

customer seal	DongGuan Yiyin Electronic Technology Co.Ltd			
	confirm	audit	review	check

Directory

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Change Record		
Change Data	Version	Remarks
2021.11.28	V1.0	First Version



Angilent E5071C

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

► Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F1 M]

1	2.4029851	GHz	-17.390	dB
2	2.4477612	GHz	-19.729	dB
>3	2.4800000	GHz	-12.495	dB

25.00

20.00

15.00

10.00

5.000

0.000

-5.000

-10.00

-15.00

-20.00

-25.00

1

2

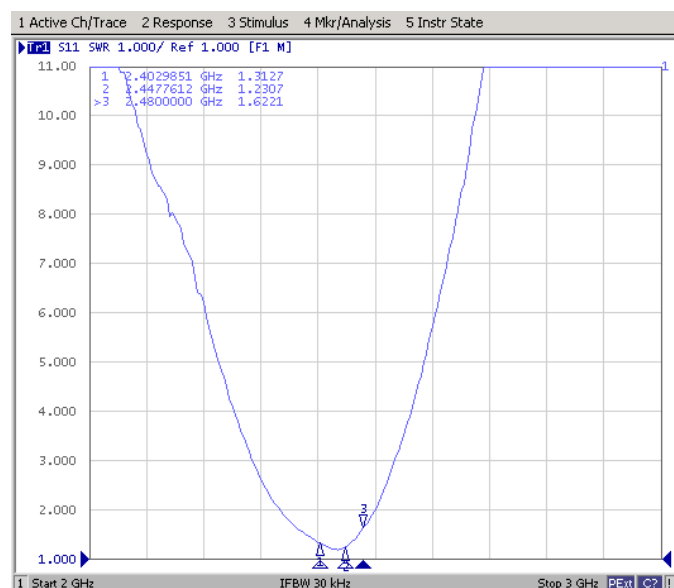
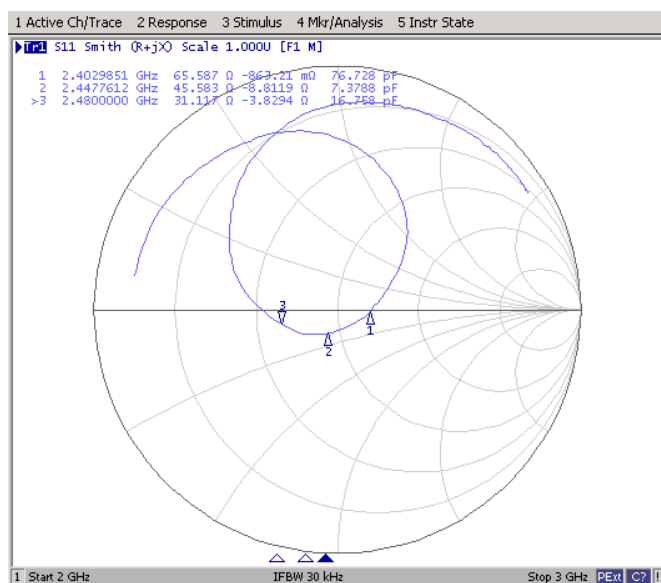
3

1 Start 2 GHz

IFBW 30 kHz

Stop 3 GHz PEExt C?

VSWR



BT Antenna Efficiency Of Left

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2402	25.44	-5.59	0.32
2441	26.21	-5.24	0.15
2480	25.74	-5.89	0.19

BT Antenna Efficiency Of Right

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2402	28.85	-6.09	0.21
2441	31.12	-5.76	0.26
2480	29.63	-5.67	0.17

OTA Data Of Left

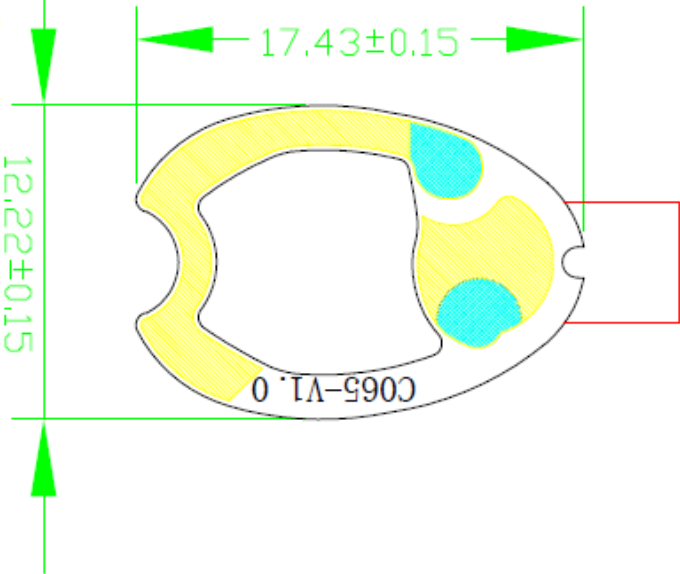
Test Result	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	-1.89	-83.24
	CH 39	-0.91	-83.91
	CH 78	-1.56	-83.53

OTA Data Of Right

Test Result	Channel	TRP (dBm)	TIS (dBm)
R	CH 0	-2.57	-82.49
	CH 39	-1.79	-83.84
	CH 78	-2.11	-82.67

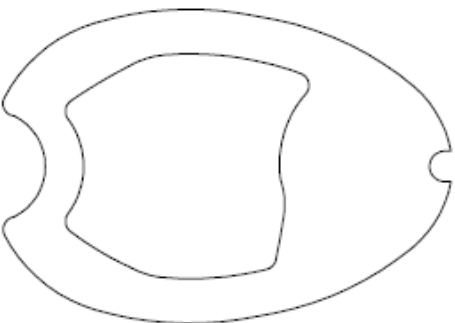
FOR APPROVAL	DATE
FOR DESIGN	DATE
FOR EVALUATION	DATE
FOR PRODUCTION	DATE

Front view



0.15

Back view



technical requirements:

- 1、Material: FPC plate thickness 0.15mm;
- 2、Tolerance control within 0.15mm;
- 3、FPC plate stamping shall not have the bad phenomenon of burr and glue overflow;
- 4、Must meet the environmental requirements: ROHS&REACH;
- 5、The gold-plated position requires a salt spray test of 48 hours;

ALL DIMENSIONS ARE IN MM.
ALL DIMENSIONS SHOULD BE
WITHIN TOLERANCE.
TOLERANCE: 0.15MM

X: 0.15MM TOLERANCE
XX: 0.15MM TOLERANCE
XXX: 0.15MM TOLERANCE
XXX: 0.15MM TOLERANCE

2021/5/26

C065-V1.0

MATERIAL

FPC

SIZE

DATE

SHEET

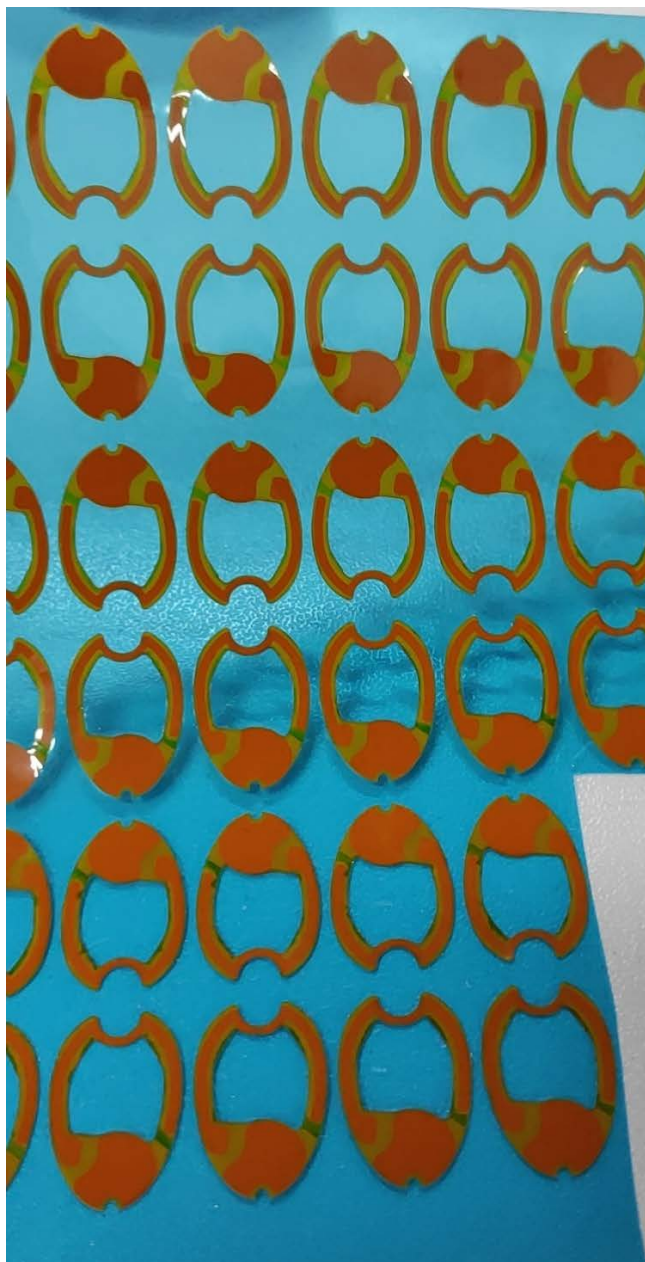
OF

DATE

Shenzhen Fubo
electronics Co., LTD

delivery mode:

Micro-mucous membrane covering + exclude the release of the paper sheet shipment



Sample Size Inspection Report

Model: C065 BT Antenna

Material: FPC

Data: 2021-6-3

inspection item		Testing standard	Sample test status (Value)					Determine	Remark
			1	2	3	4	5		
Appearance	scratch	According to finished product inspection specification							
	scuffing								
	stain								
	deformation								
	squeeze-out								
	other								
Structure Size	Long	12.2±0.15mm							
	Wide	17.2±0.15mm							
	Thickness	0.15mm							
	Microphone through hole diameter	4.1±0.15mm							

Reliability Test

Customer		YiYin	Project Name	C065					
Test	Reliability Test	Test conditions and requirements	Standard	Testing Tools	Number of tests	test results			Remark
						OK	NG	NA	
1	Salt spray test	In a closed environment of 35±2℃ , humidity > 85%, pH value in the range of 6.5-7.2, with 5%±1% NaCl solution for 24h continuous saline spray, take out the product with water gently rinse, placed at room temperature for 2h to check the appearance	The product surface has no foaming and oxidation And coating peeling	Salt spray tester	5pcs	OK			
2	Constant temperature and humidity test	Put the tested product into the constant temperature test machine, and place it for 10h under the condition of 55±2℃ and 93±3% (RH) humidity. After taking out the sample, put it in room temperature for 2h to observe the appearance	No warping, blistering, paint or coating peeling is allowed	constant temperature humidity chamber	5pcs	OK			