



Antenna Part Specification

Project name :	EPA362
Material category :	BT antenna
Version :	V1.0
Date :	2022.10.26



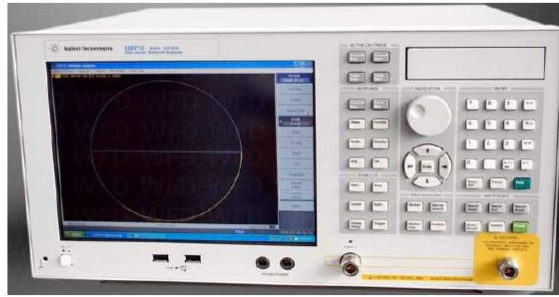
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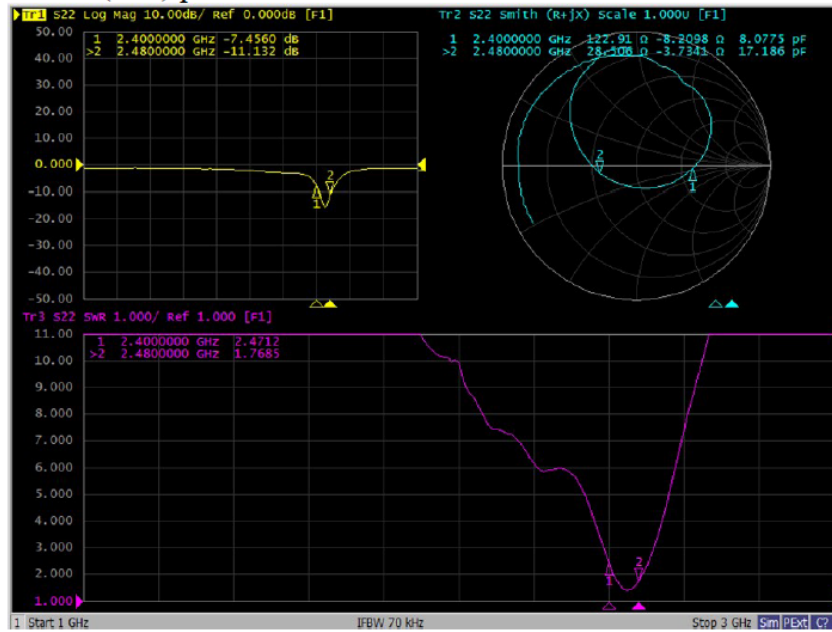
Change record			
Compile / change date	Reason for change	Changed content	Version

I: The report of passive data



Agilent E5071C

VSWR(S11) parameter



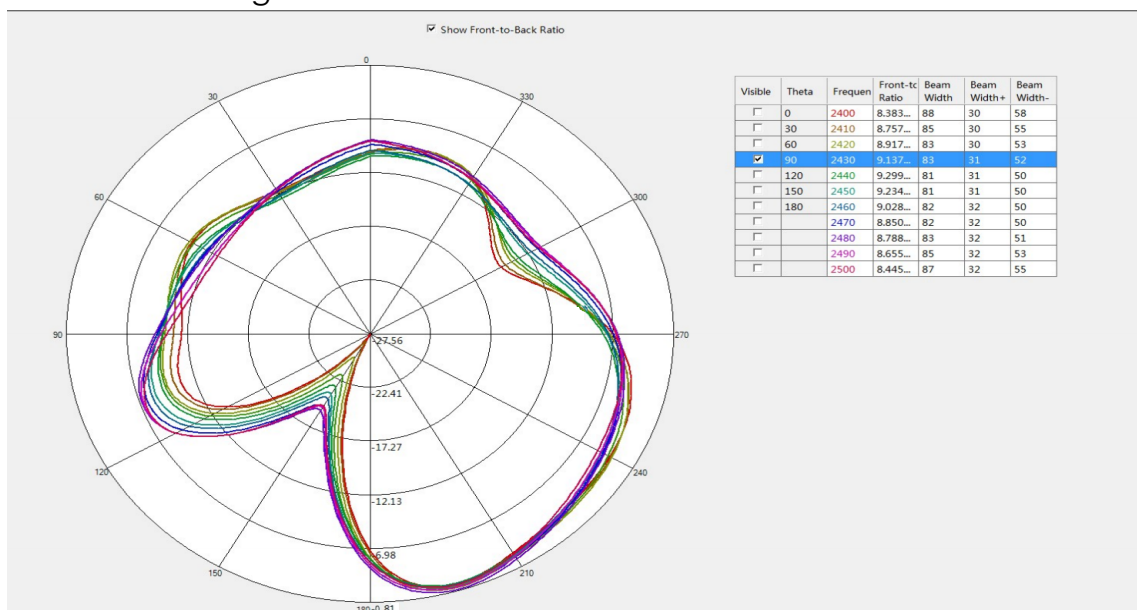
Efficiency:

2400-2480 MHz			
Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	24.9%	-6.05	-1.89
2410	26.8%	-5.71	-1.58
2420	28.7%	-5.43	-1.44
2430	29.0%	-5.38	-1.42
2440	28.7%	-5.42	-1.46
2450	29.9%	-5.24	-1.35
2460	29.3%	-5.34	-1.33
2470	31.0%	-5.09	-1.02
2480	31.9%	-4.96	-0.81
Average value	28.9%	-5.40	-1.37

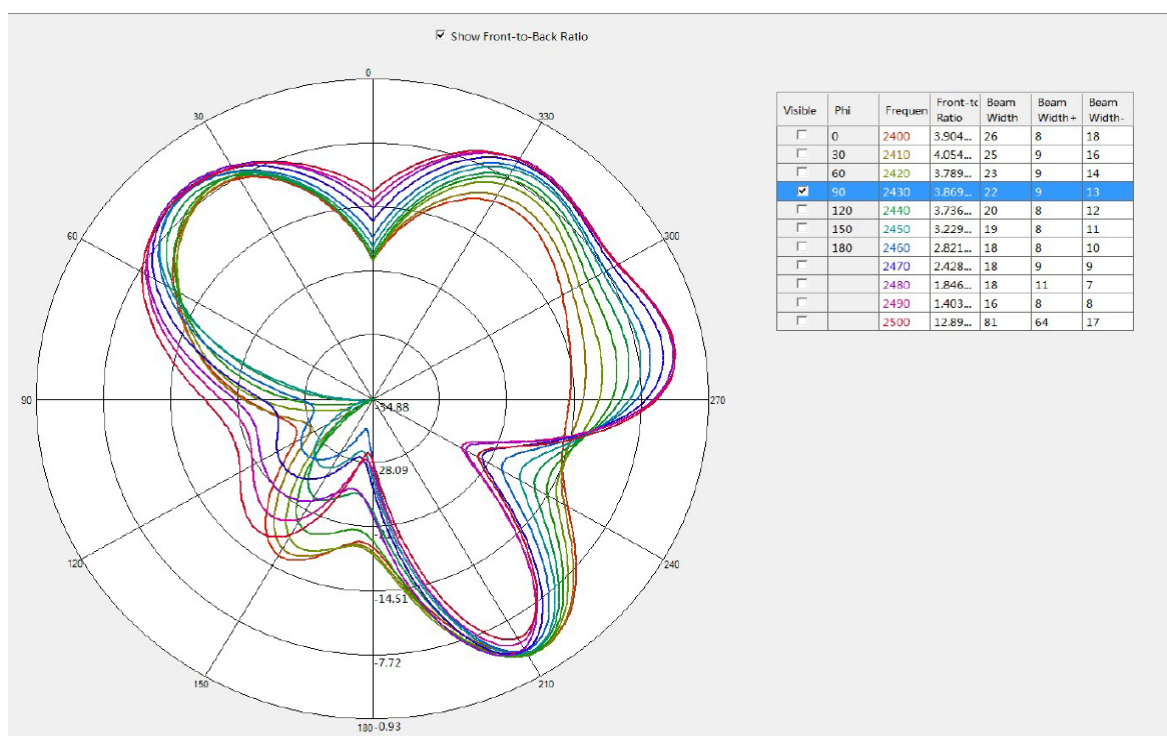


Antenna radiation pattern:

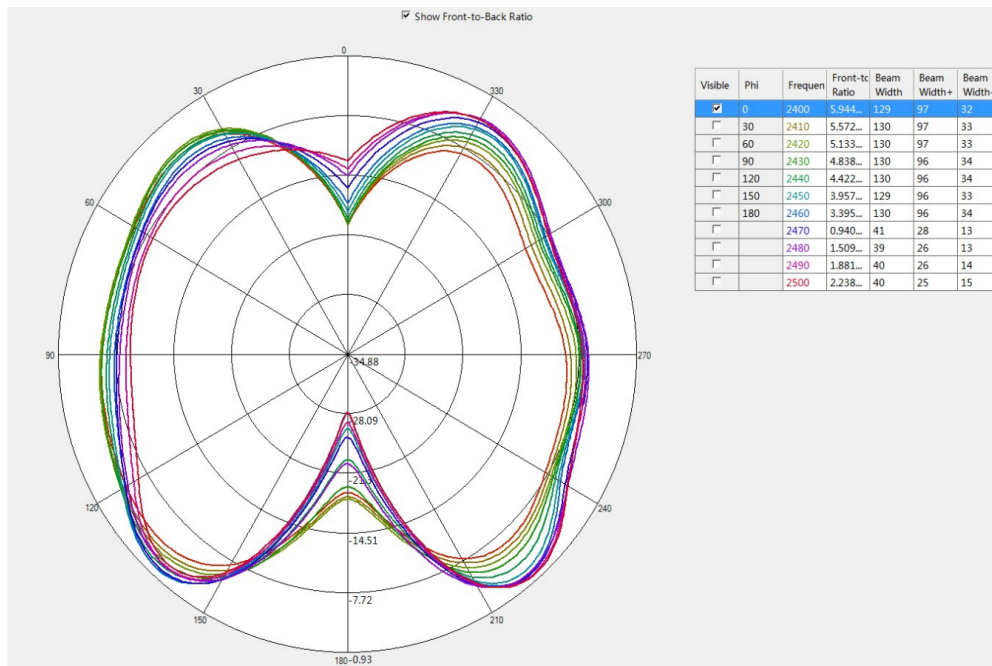
Theta=90.00deg



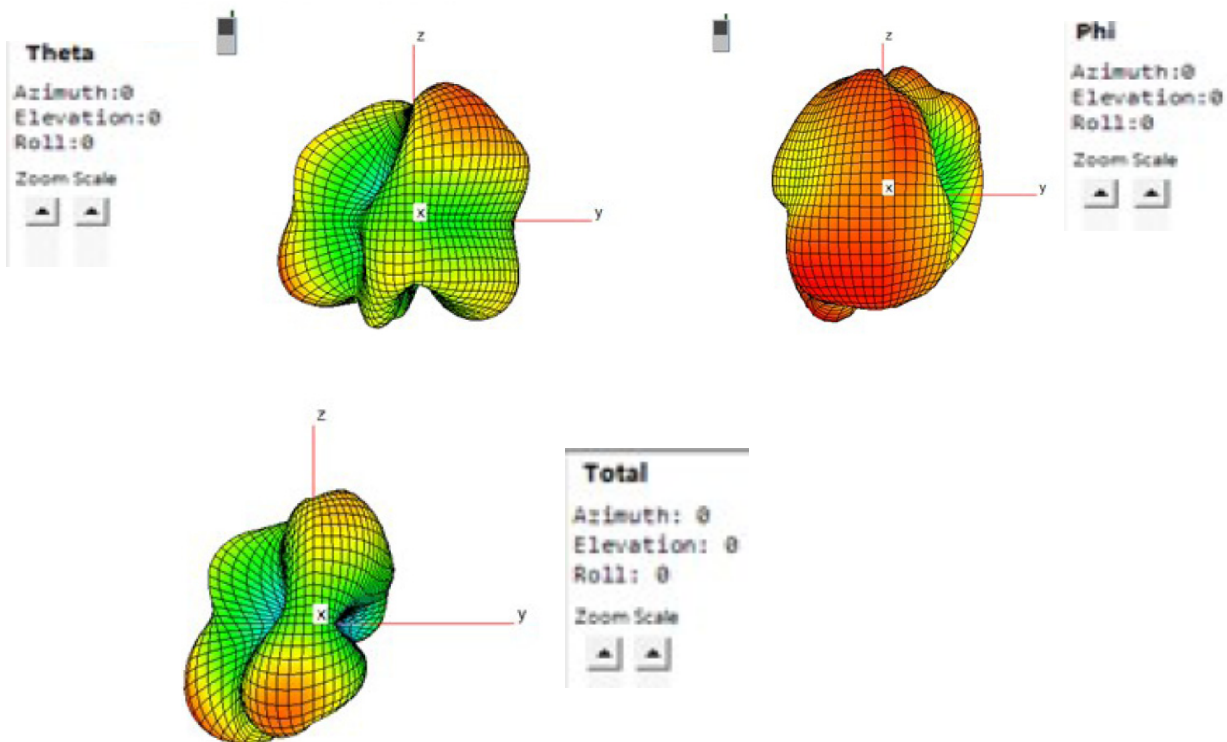
Phi=90.00deg



Phi=0.00deg



3D Antenna radiation pattern:

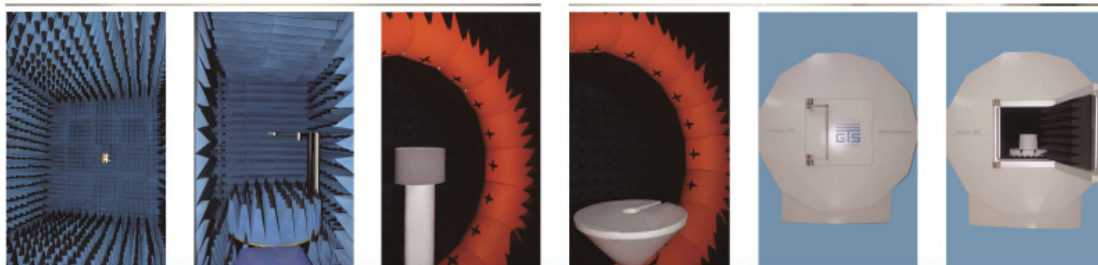




II: 3D Active test report of antenna

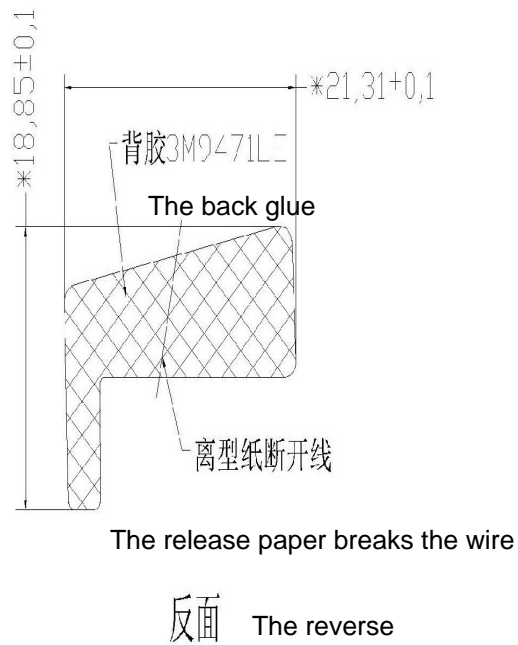
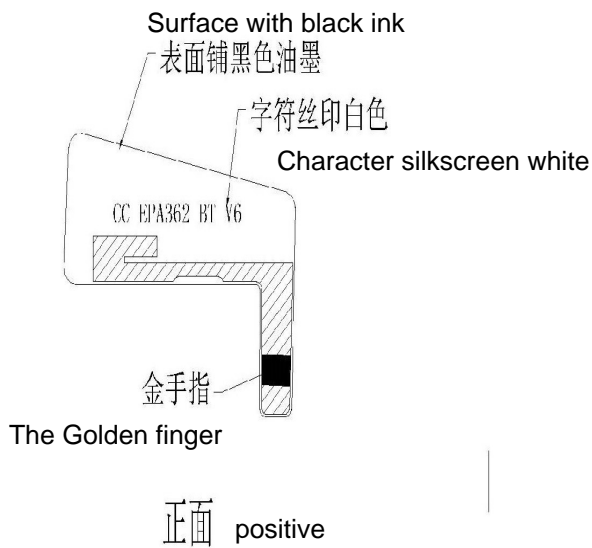
free space	Channel	TRP (dBm)	TIS (dBm)
BT	CH 0	4.6	-87.3
	CH 39	5.1	-88.0
	CH 78	5.2	-88.3

Headform	Channel	TRP (dBm)	TIS (dBm)
BT	CH 0	0.2	-83.6
	CH 39	1.2	-83.7
	CH 78	0.9	-84.1






OTA Standard Chamber

III: Drawing of structure



注:

- 1、打*为必测尺寸，未标尺寸参考2D图纸；
2、基材25 μm ，铜泊18 μm ，走线面除焊盘外其它区域需涂黑油。
3、 区域为走线区域， 区域为焊盘区域（镀金）， 区域为附胶区域（3M300LSE/3M9477LE），背胶需均匀。

 Cicent 思讯通信		深圳市思讯通信技术有限公司 Shenzhen Cicent Communication Technology CO., Ltd				
 第三角法		料号	机种		P3A362	
未注公差	参见标准		○	0.02	D	品名 BT-天线-FPC 页码 1/1 审核 THQ
线路公差	±0.10		◎	0.03		
外形公差	±0.20		⊥	0.02		
			▱	0.04		
		∠	0.02			
请勿实测纸质图纸						
6		单位	mm	比例	FIT	版本
7		8		R:A		