Antenna Part Specification

Project name：	BE-1141
Material category：	FPC
Version：	V1.0
Date：	2024.04.15
Supplier Address：	505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china
Supplier：	Shenzhen Cicent Communication Technology Co., Ltd.
Contact information：	Arkin/13632320627

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Change record			
Compile / change date	Reason for change	Changed content	Version
2024.04.15	First edition	First edition	V1.0

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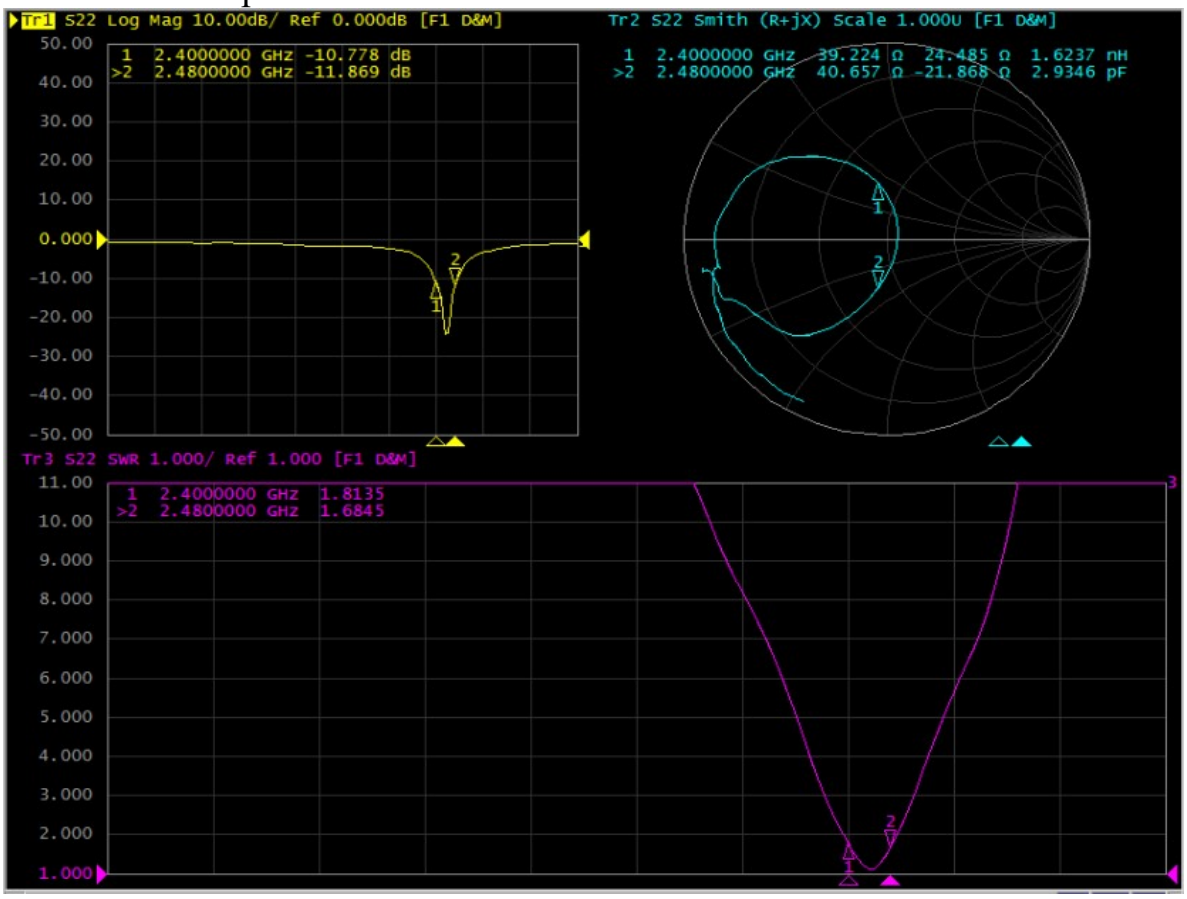
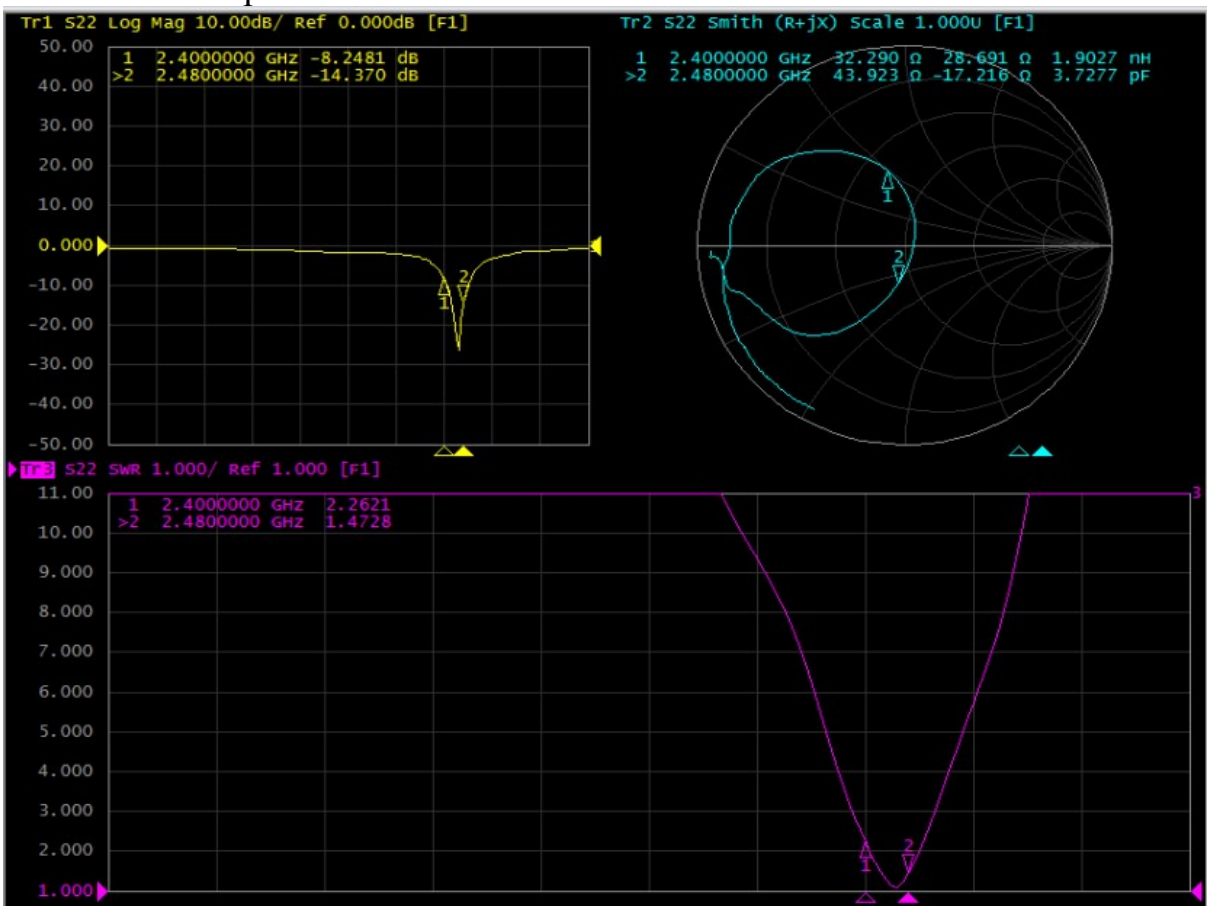
I: The report of passive data

Angilent E5071C

L-Antenna S11 parameters



R-Antenna S11 parameters



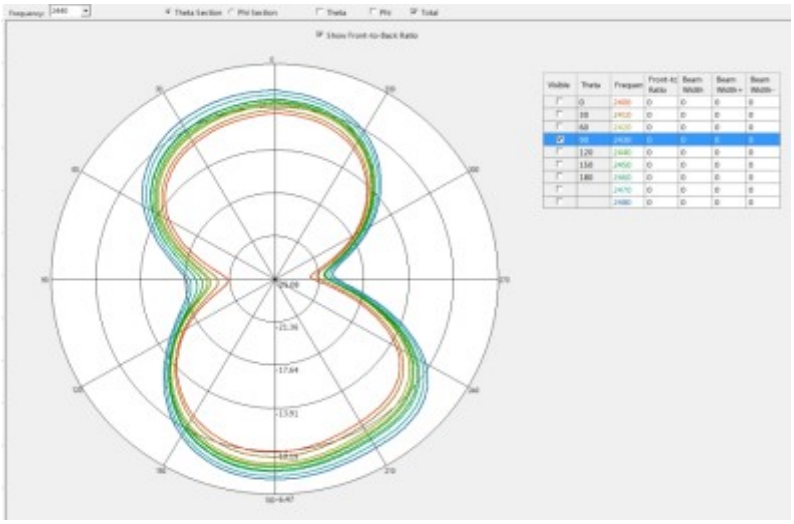
Efficiency：

L			
Frequency（MHz）	Gain (dBi)	Efficiency (dB)	Efficiency（%）
2400	-7.2	-10.2	9.6
2410	-7.0	-10.1	9.8
2420	-6.7	-9.7	10.7
2430	-6.5	-9.5	11.3
2440	-6.6	-9.7	10.8
2450	-6.8	-9.8	10.5
2460	-7.0	-10.0	10.0
2470	-7.3	-10.3	9.4
2480	-7.6	-10.5	8.9
Average value	-7.0	-10.0	10.1

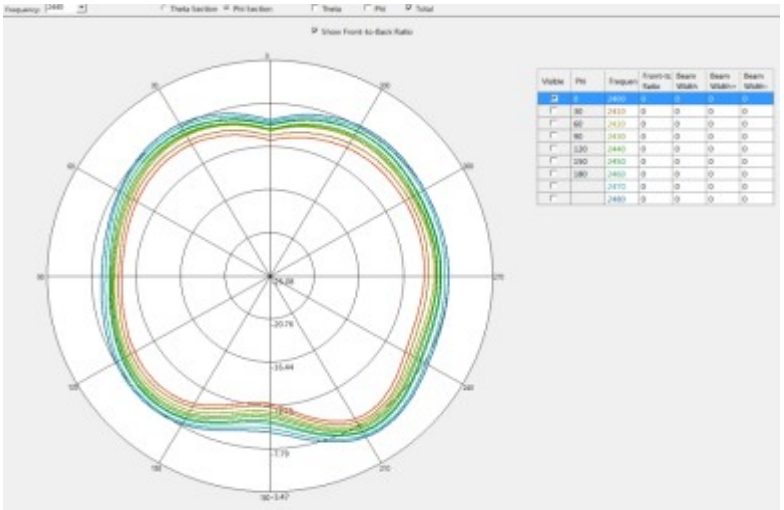
R			
Frequency（MHz）	Gain (dBi)	Efficiency (dB)	Efficiency（%）
2400	-6.9	-9.7	10.7
2410	-6.8	-9.7	10.7
2420	-6.9	-9.8	10.6
2430	-6.8	-9.6	10.9
2440	-7.0	-9.8	10.6
2450	-6.9	-9.6	11.0
2460	-6.9	-9.4	11.4
2470	-7.4	-9.8	10.4
2480	-7.7	-10.1	9.7
Average value	-7.0	-9.7	10.7

Antenna radiation pattern(L):

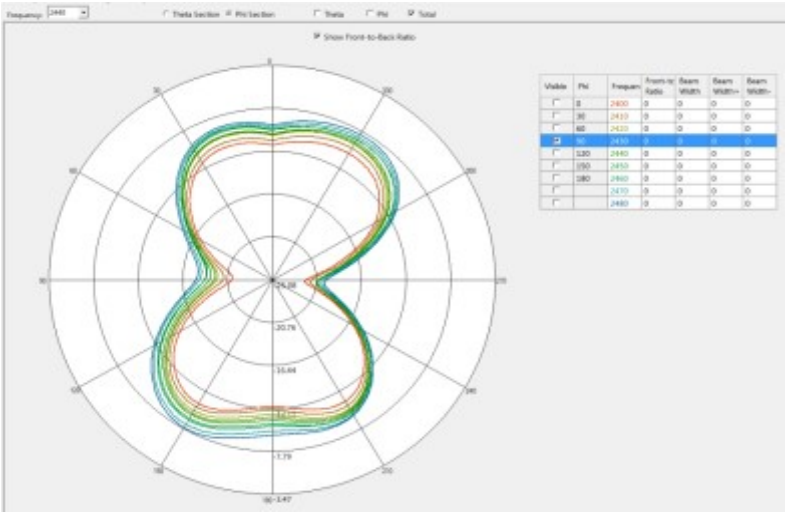
Theta=90°



Phi=0°

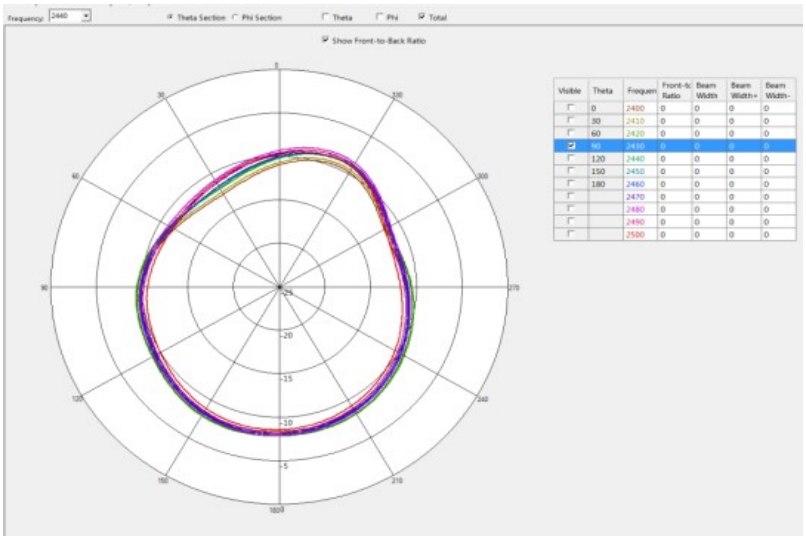


Phi=90°



Antenna radiation pattern(R):

Theta=90°



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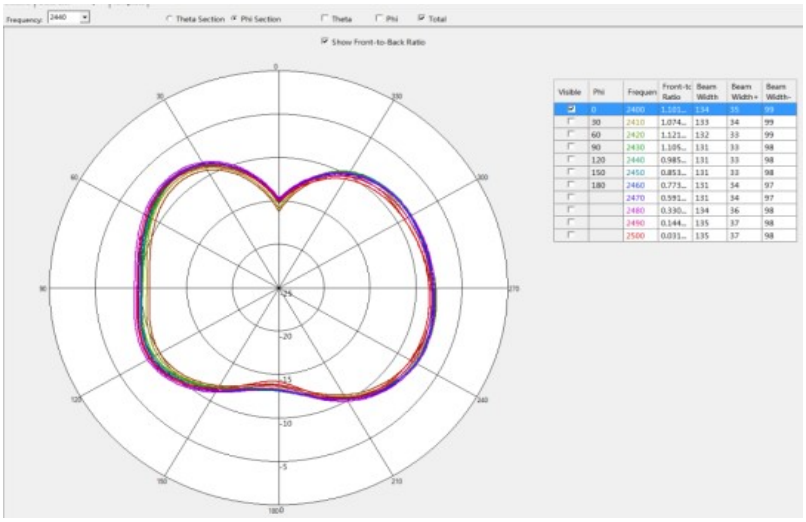

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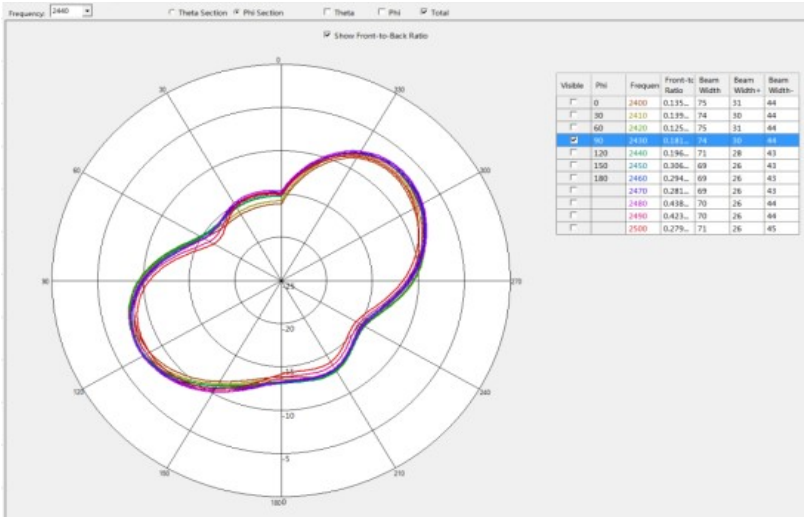
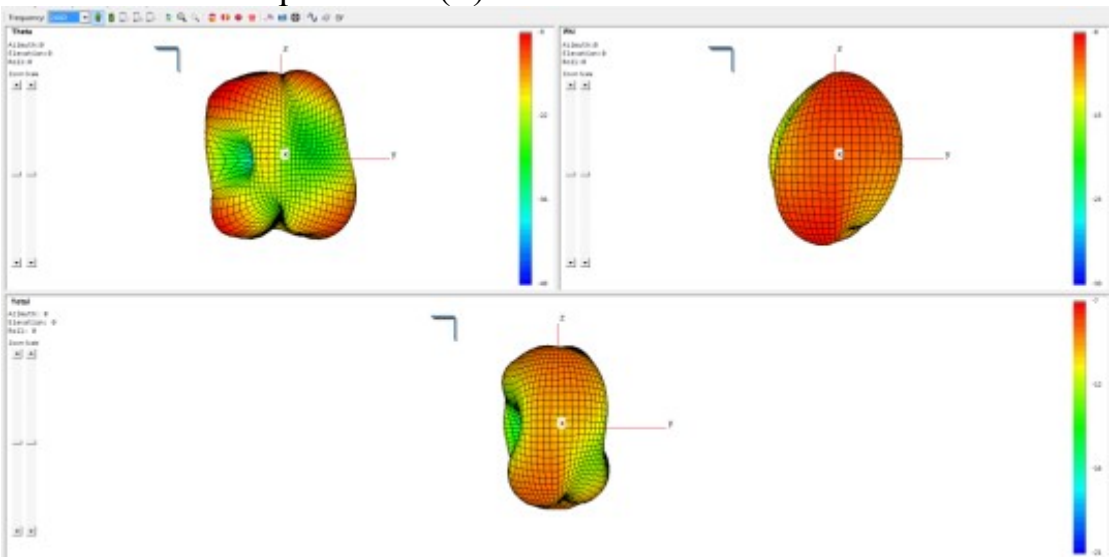
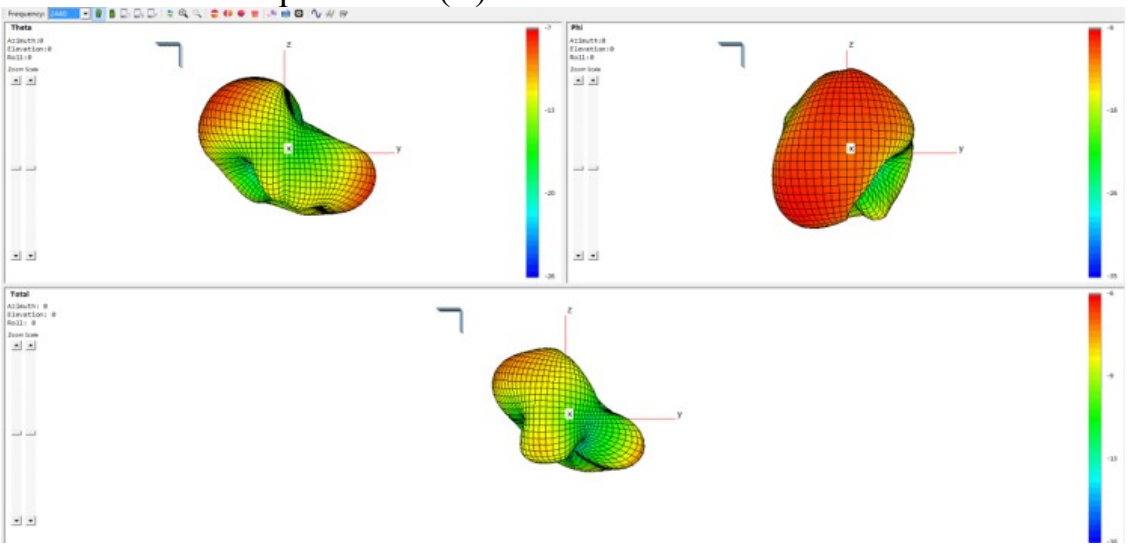


Antenna radiation pattern 3D(L):



Antenna radiation pattern 3D(R):



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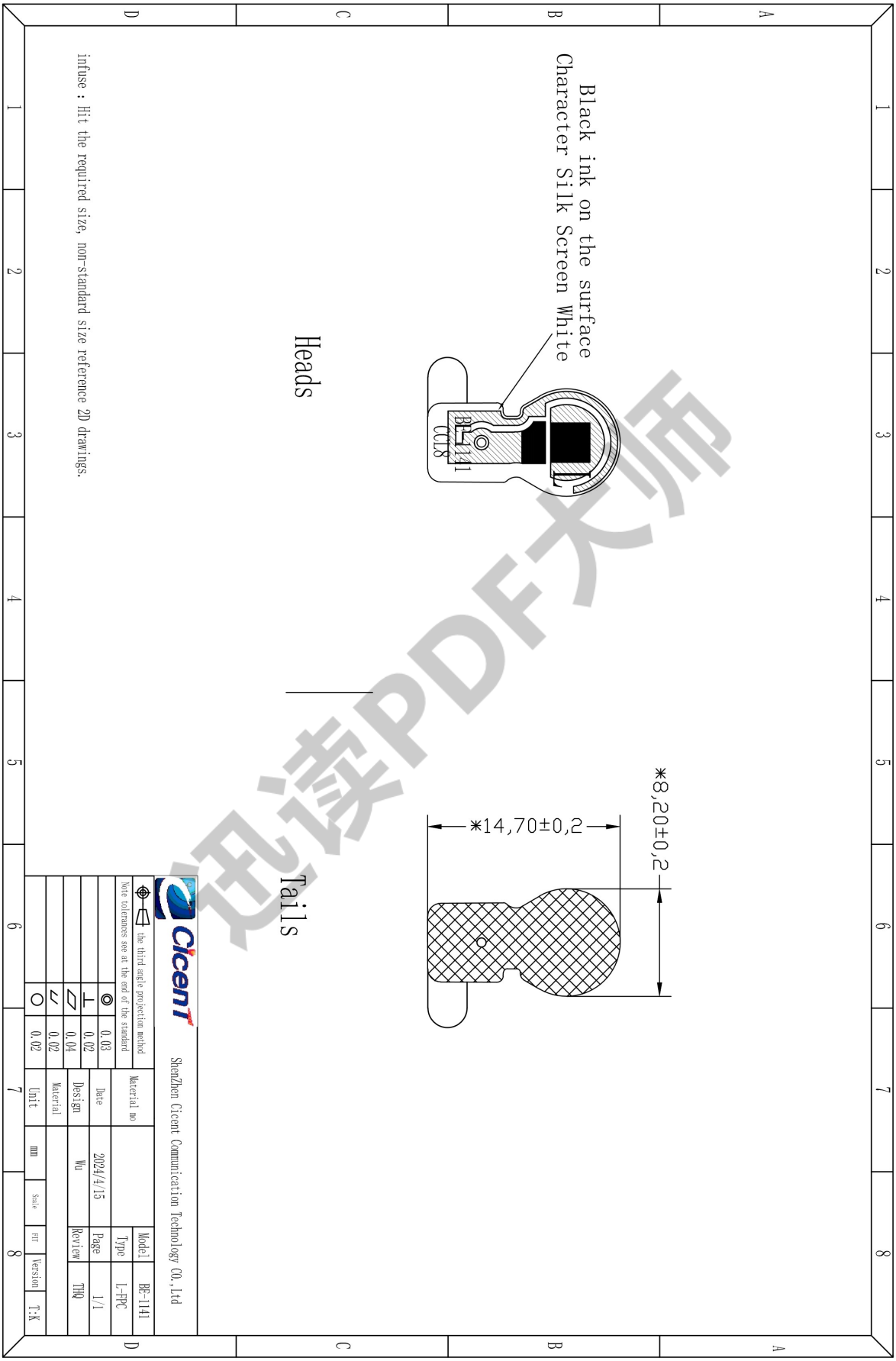
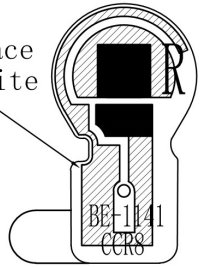
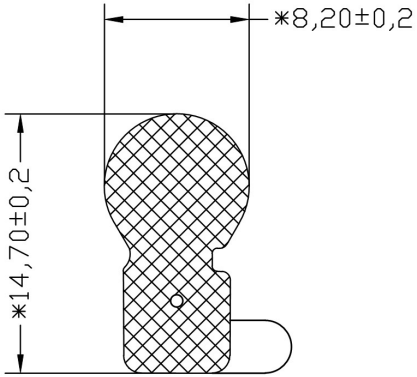
II：Structure file



Black ink on the surface
Character Silk Screen White



Heads



Tails

infuse : Hit the required size, non-standard size reference 2D drawings.

ShenZhen Cicent Communication Technology CO.,Ltd							
the third angle projection method Note tolerances see at the end of the standard		Material no		Model	BE-1141		
				Type	R-FPC		
	0.03	Date	2024/4/15	Page	1/1		
	0.02	Design	Wu	Review	THQ		
	0.04	Material					
	0.02	Unit	mm	Scale	FIT	Version	T:K
	0.02						