



Antenna Part Specification

Customer name:	EDIFIER
Project name:	Lolli 3 Pro
Material category:	BT antenna
Version:	V1.0
Date:	2022.12.14



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Change record			
Compile / change date	Reason for change	Changed content	Version
2022.12.14	First edition	First edition	V1.0

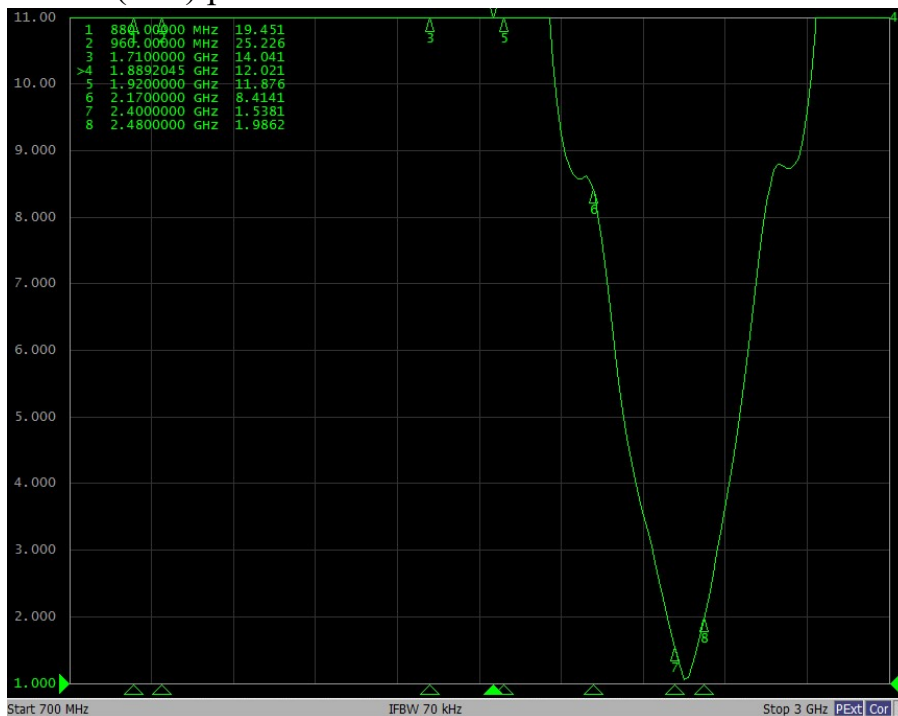


I: The report of passive data



Angilent E5071C

VSWR(S11) parameter (L) :

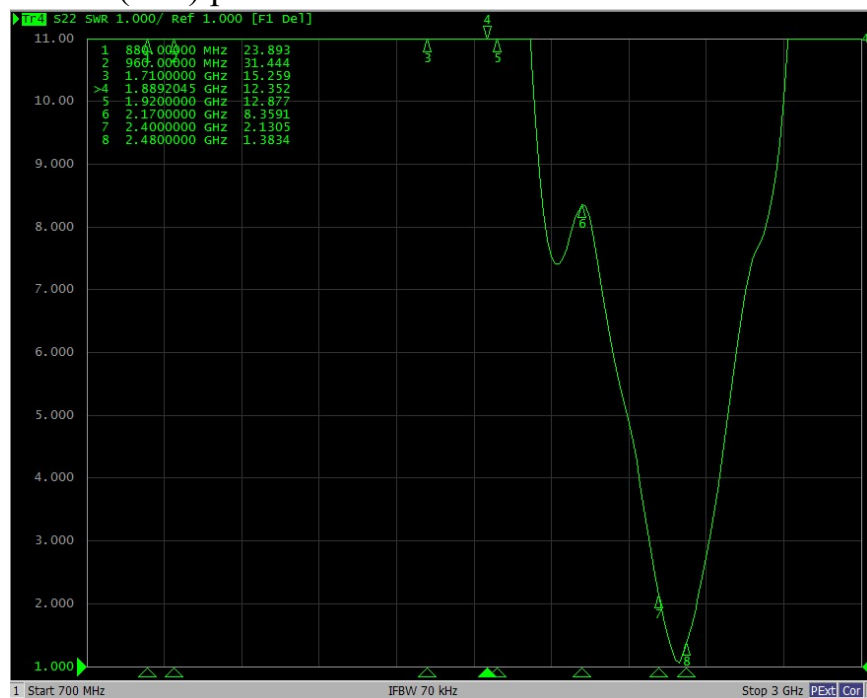


Efficiency:

2400-2480 MHz (L)			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	-2.6	-5.4	29.0%
2410	-2.4	-5.2	30.4%
2420	-2.3	-5.2	30.4%
2430	-1.9	-4.9	32.3%
2440	-1.6	-4.7	34.0%
2450	-1.8	-4.8	32.7%
2460	-1.9	-4.9	32.0%
2470	-2.1	-5.1	31.0%
2480	-2.4	-5.3	29.7%
Average value	-2.1	-5.1	31.3%



VSWR(S11) parameter (R) :



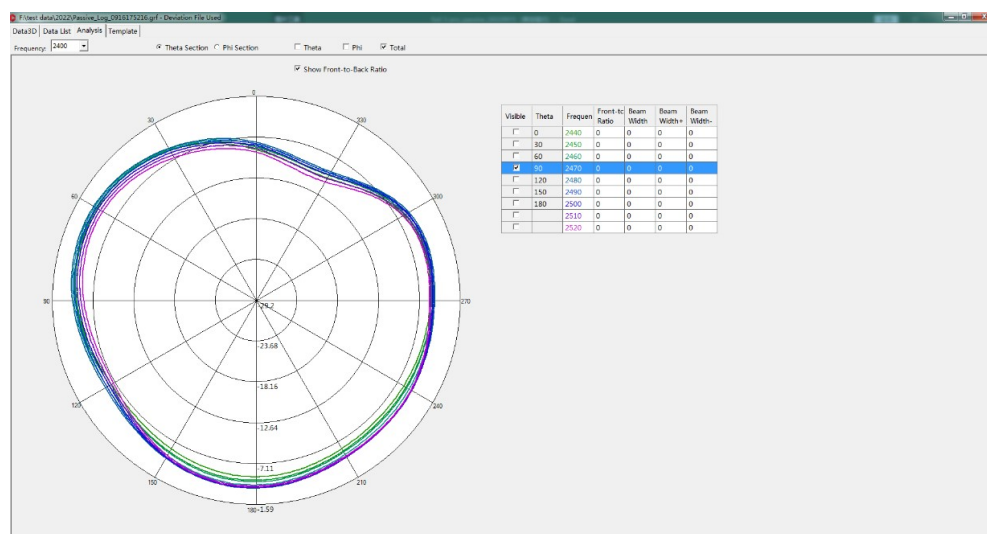
Efficiency:

2400-2480 MHz (R)			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	-3.9	-5.0	31.5%
2410	-3.6	-4.9	32.5%
2420	-3.3	-4.8	33.4%
2430	-3.4	-4.9	32.7%
2440	-3.6	-5.0	31.8%
2450	-3.4	-4.9	32.4%
2460	-3.5	-5.0	31.5%
2470	-3.3	-4.9	32.3%
2480	-3.0	-4.8	33.3%
Average value	-3.5	-4.9	32.4%

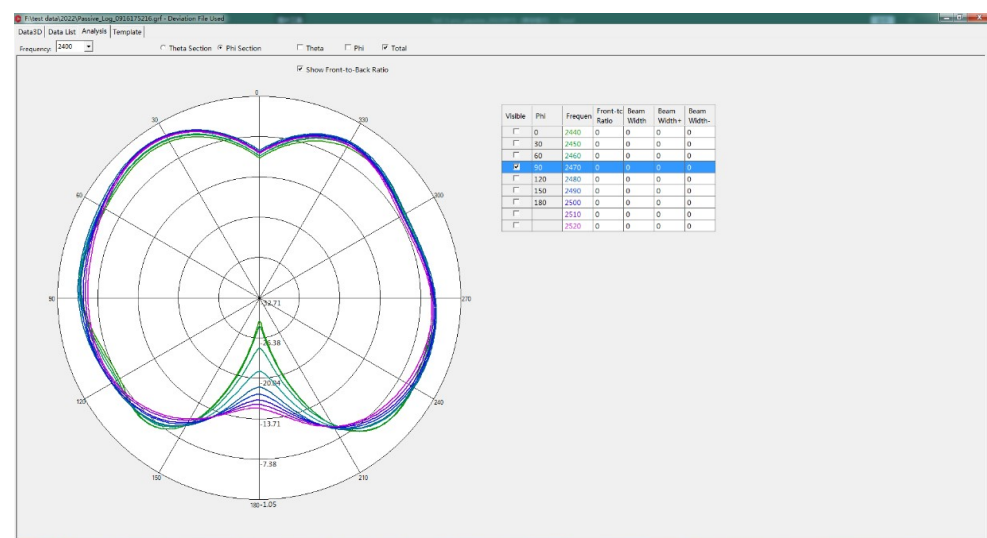


Antenna radiation pattern (L) :

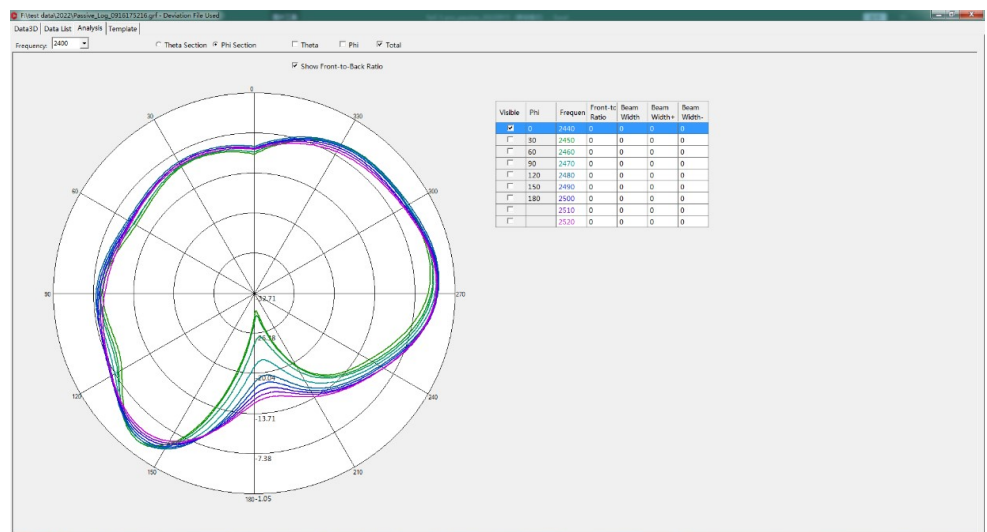
Theta=90.00deg



Phi=90.00deg

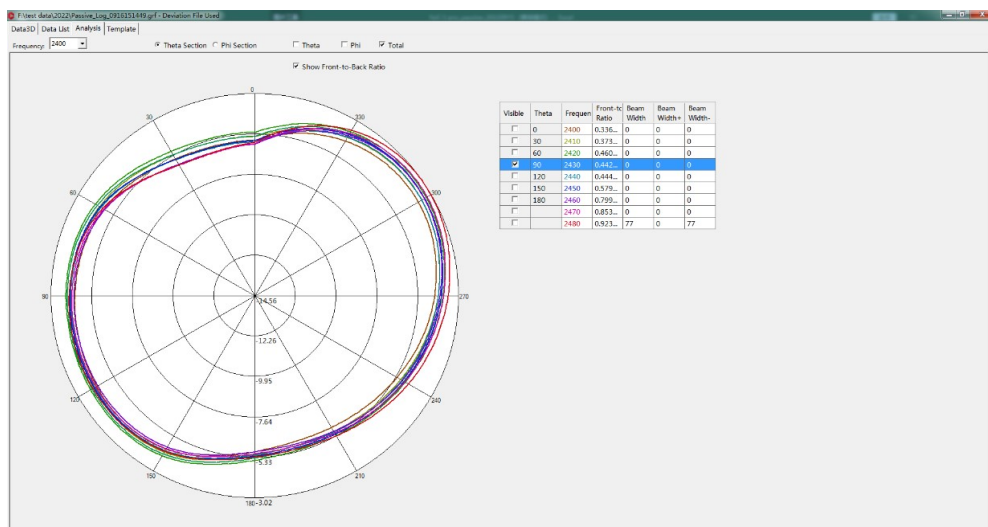


Phi=0.00deg

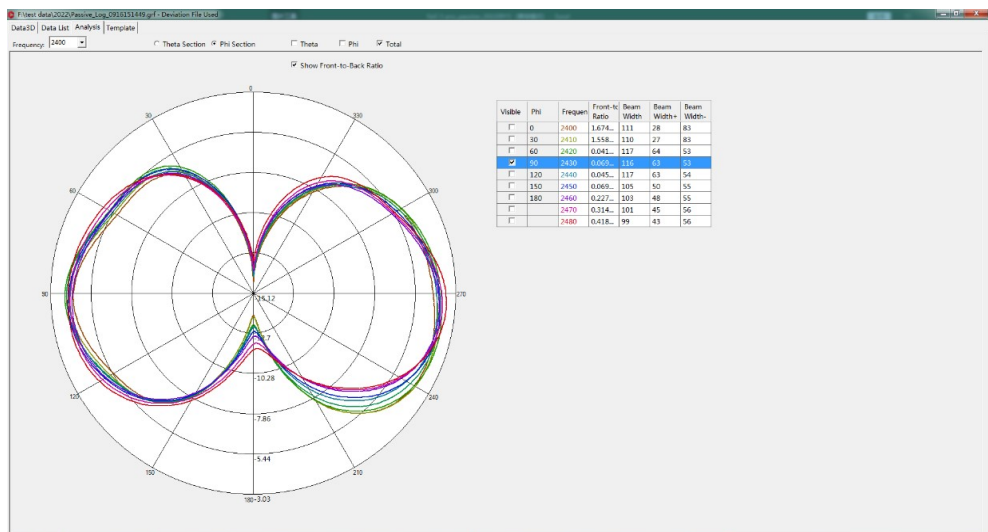




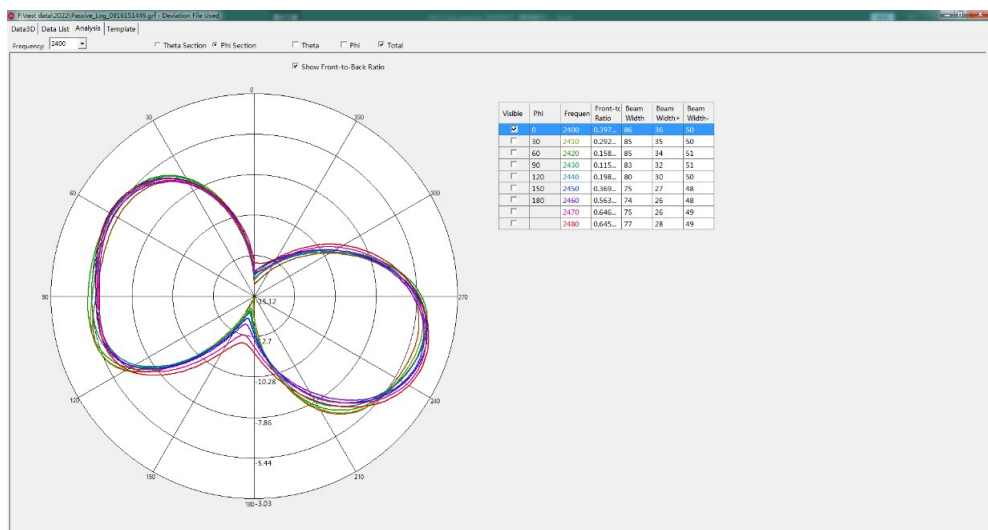
Antenna radiation pattern (R) :
Theta=90.00deg



Phi=90.00deg

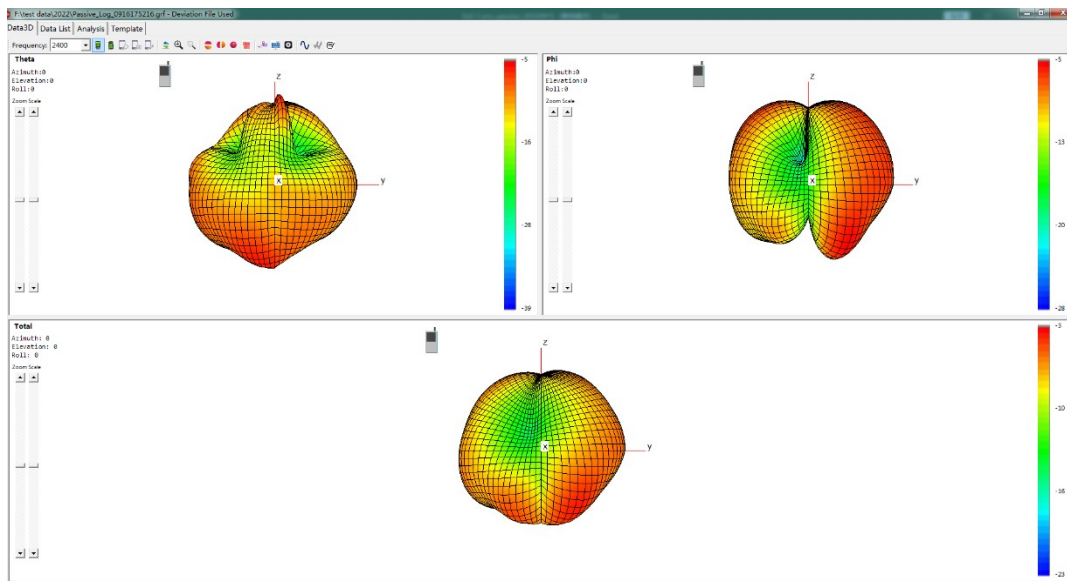


Phi=0.00deg

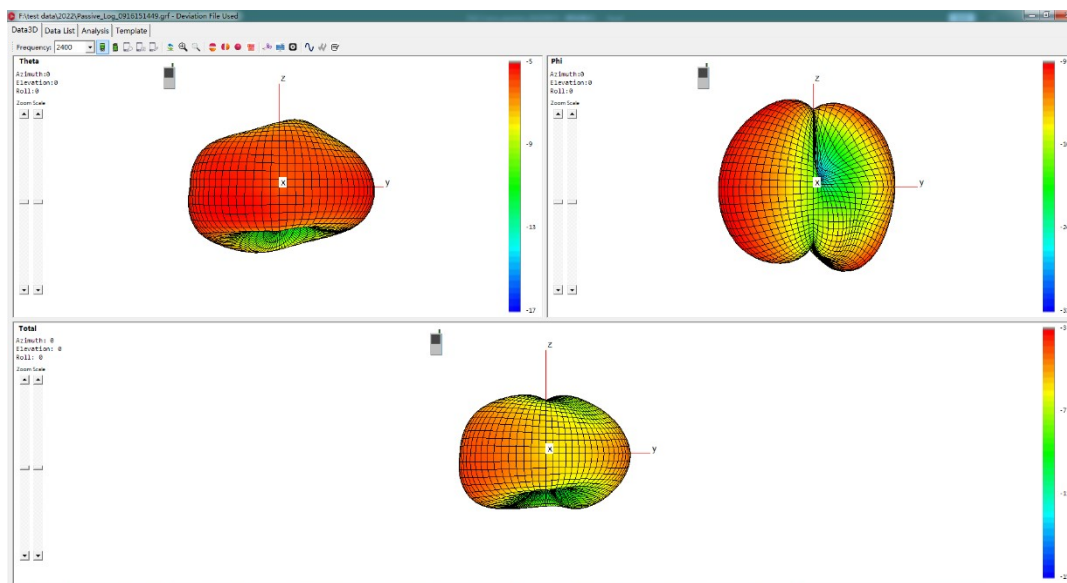




3D Antenna radiation pattern (L) :



3D Antenna radiation pattern (R) :





II: 3D Active test report of antenna

自由空间	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	7.2	-89.6
	CH 39	9.6	-91.3
	CH 78	8.5	-90.6

自由空间	Channel	TRP (dBm)	TIS (dBm)
R	CH 0	7.4	-89.8
	CH 39	9.3	-91.2
	CH 78	8.4	-90.6

人头耳	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	0.7	-83.6
	CH 39	2.8	-84.3
	CH 78	1.2	-83.5

人头耳	Channel	TRP (dBm)	TIS (dBm)
R	CH 0	0.8	-83.3
	CH 39	1.7	-84.2
	CH 78	0.6	-83.2



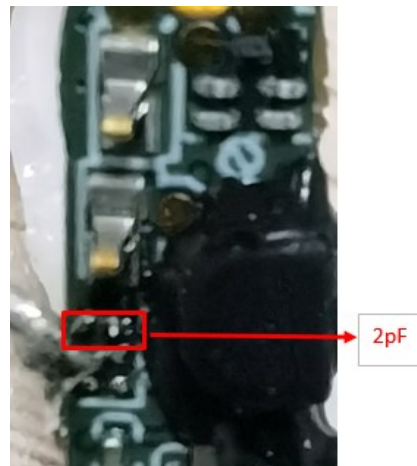
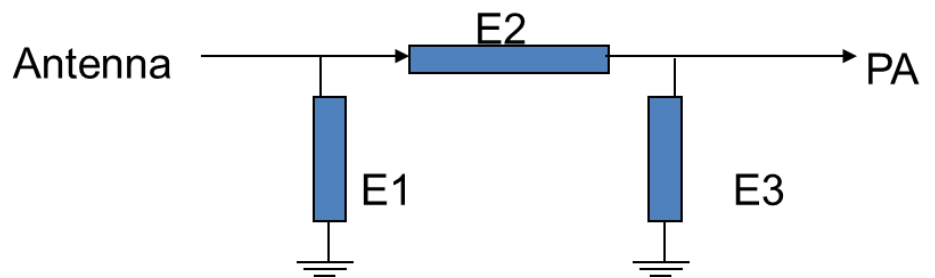
OTA Standard Chamber



III: Matching circuit

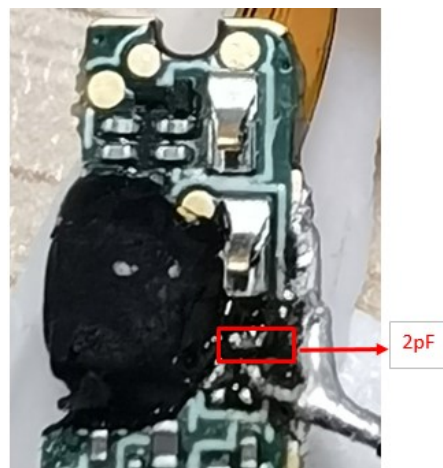
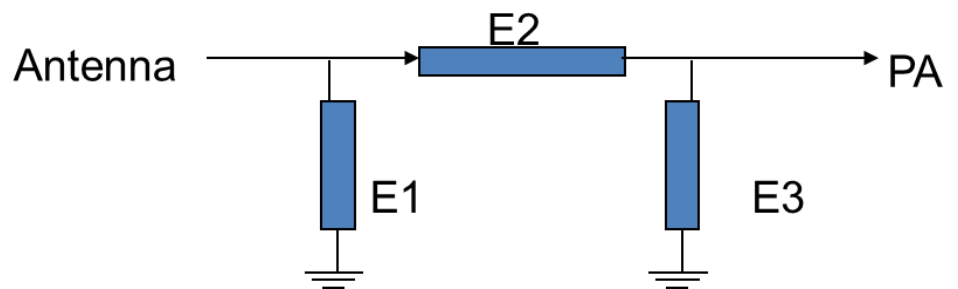
L:

Element	Value
E1	2pF
E2	0Ω
E3	N/A



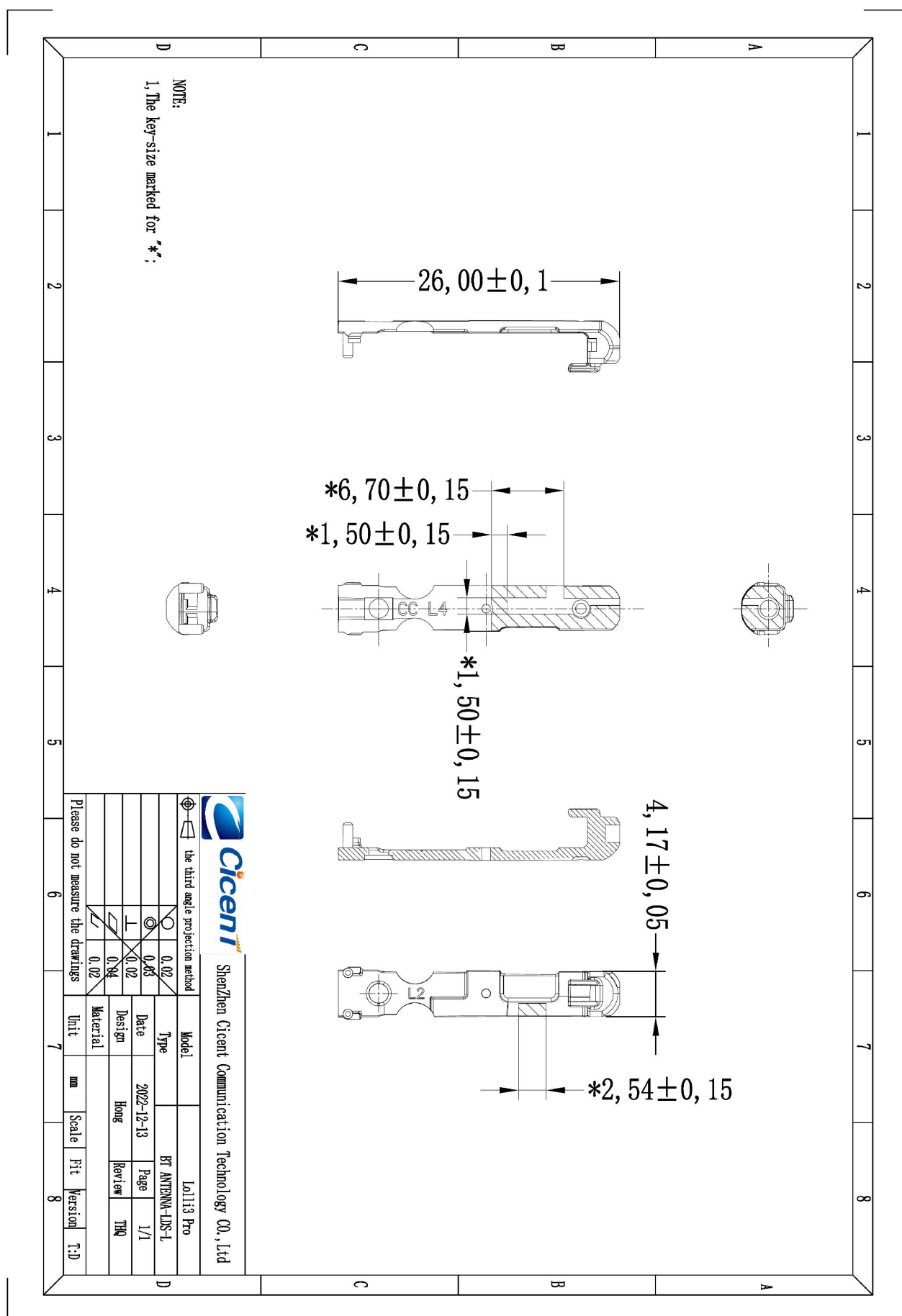
R:

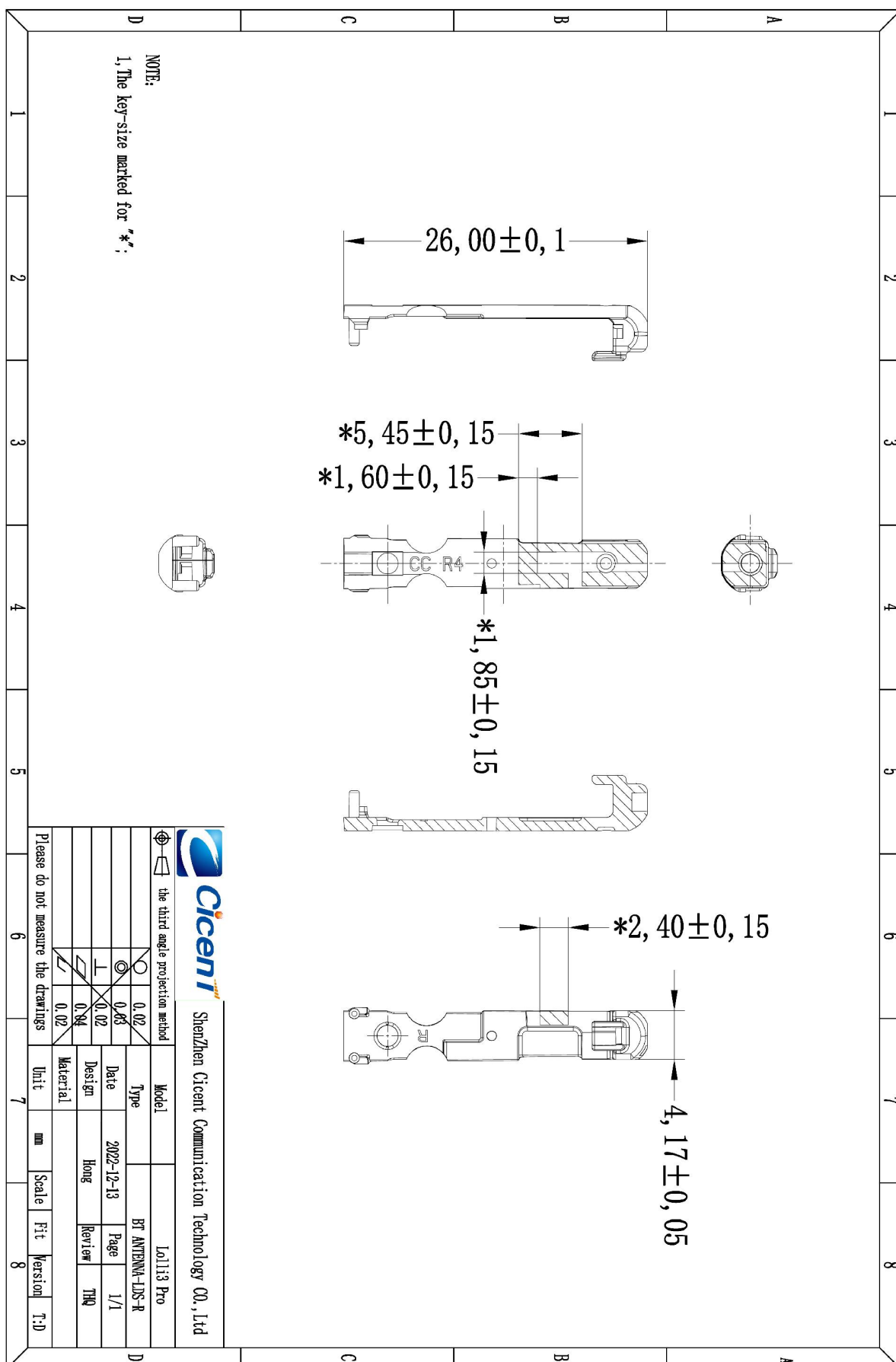
Element	Value
E1	2pF
E2	0Ω
E3	N/A





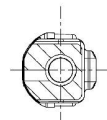
IV: Structure file





NOTE:

1, The key-size marked for '*';



the third angle projection method

ShenZhen Cicent Communication Technology Co., Ltd

Model	Lo1113 Pro
Type	BT ANTENNA-LDS-R
Date	2022-12-13
Design	Hong
Material	TRQ
Unit	mm
Scale	Fit
Version	T-10

Please do not measure the drawings