VLG TECHNOLOGY

维力谷无线技术股份有限公司

Model	MD039			Frequency	BT 2.4G		
VLG	V1958-026-A-01			Version	R：A		
RF				Quality			
Structure				PM			
Date	2022-7-13						

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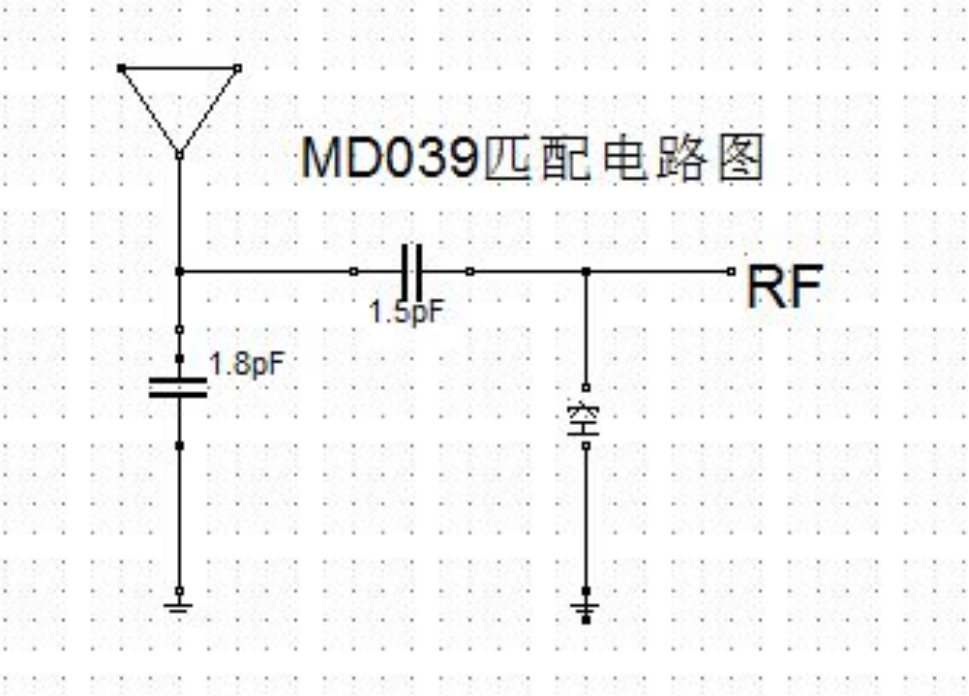
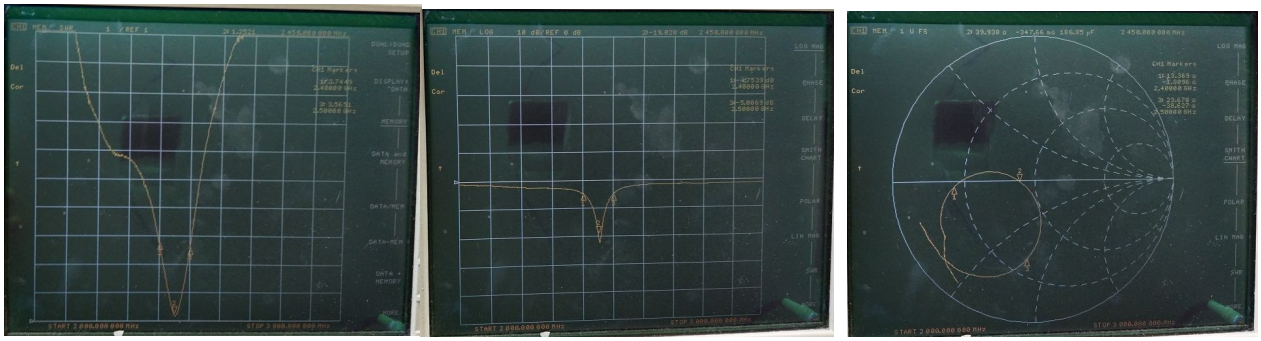
1、Antenna matching circuit：



2、S11 test data：

2. 1. 1 Antenna backloss/Smith/standing wave ratio diagram：



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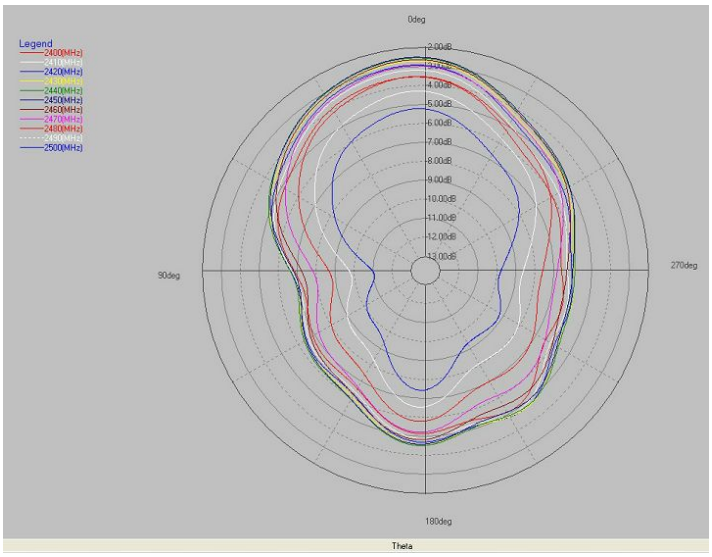
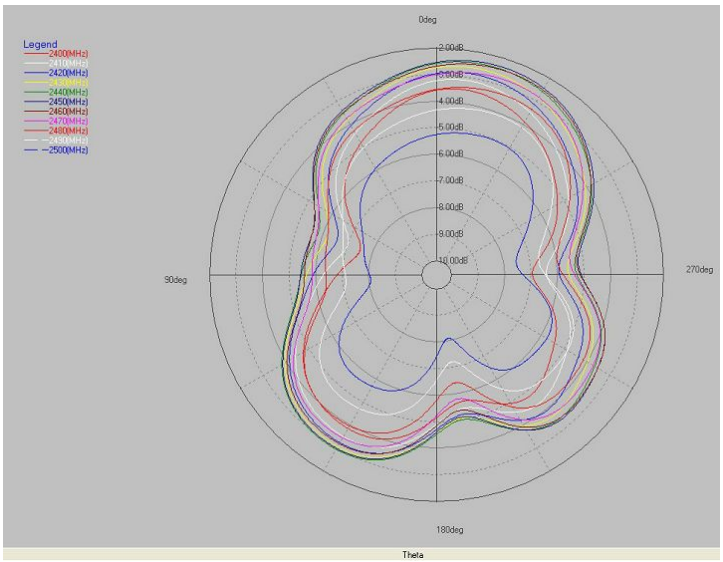
2.2 Antenna of 2 D

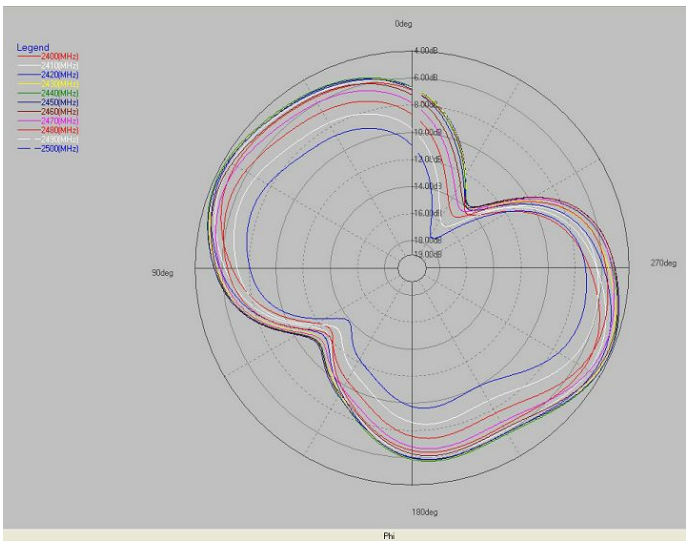
E1：



E2



H



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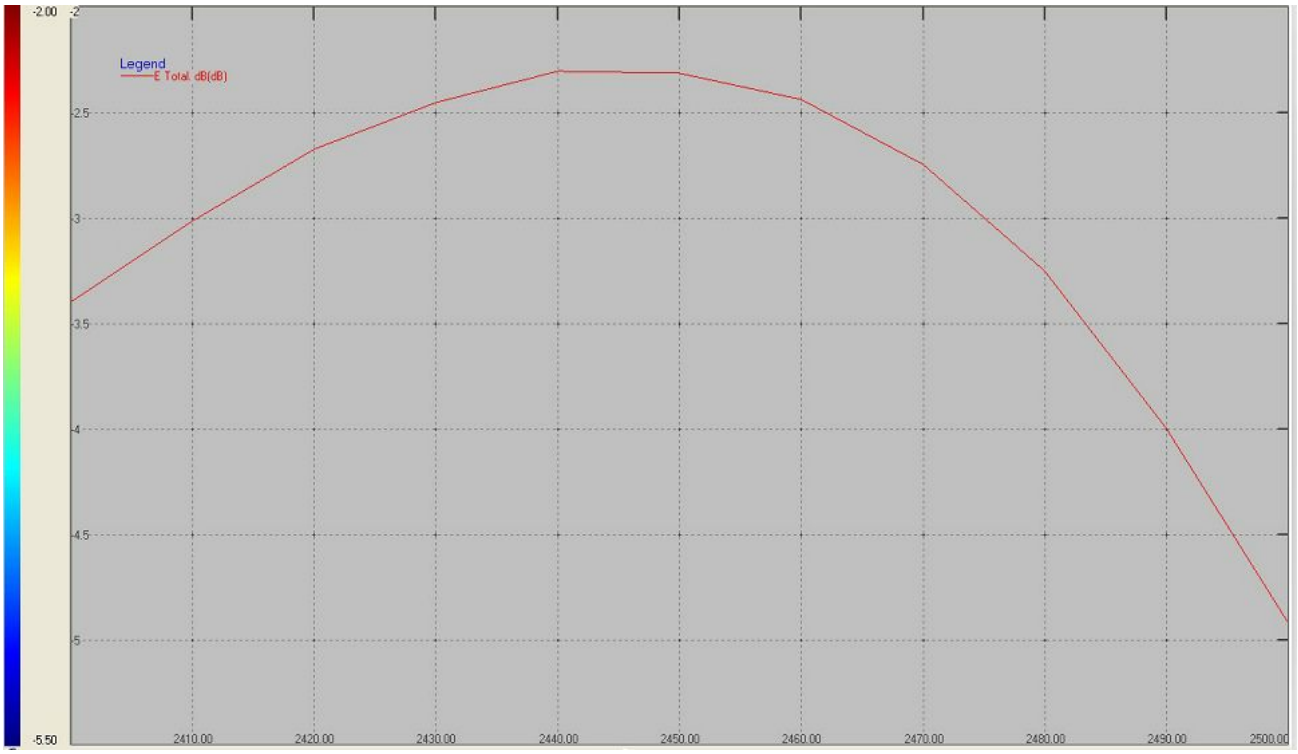
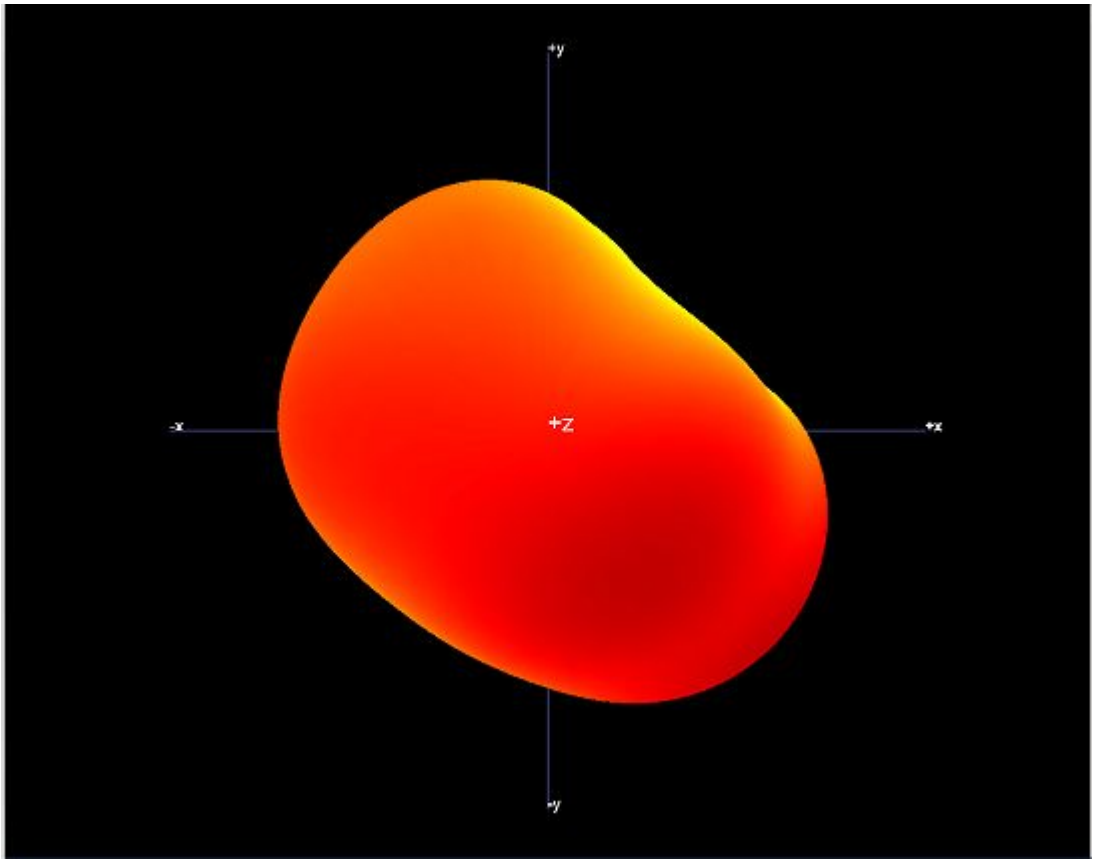
2.3 Peak Gain



2.3 Antenna 3 D figure

2400MHZ



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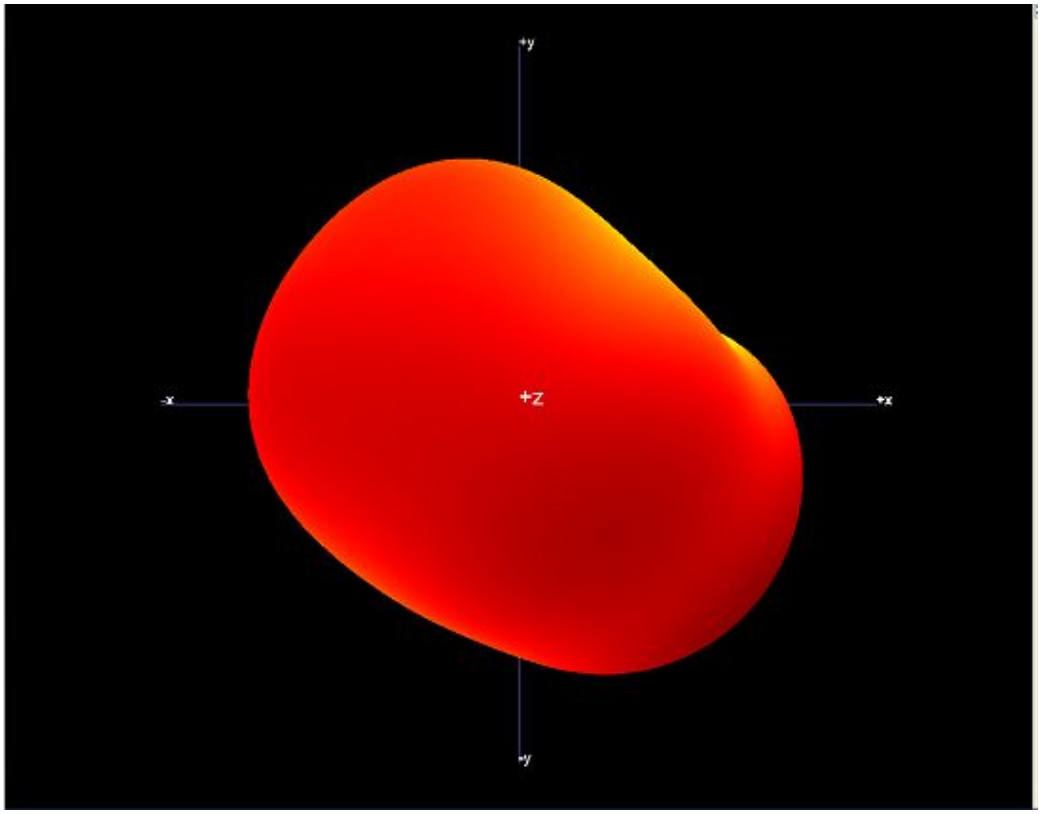
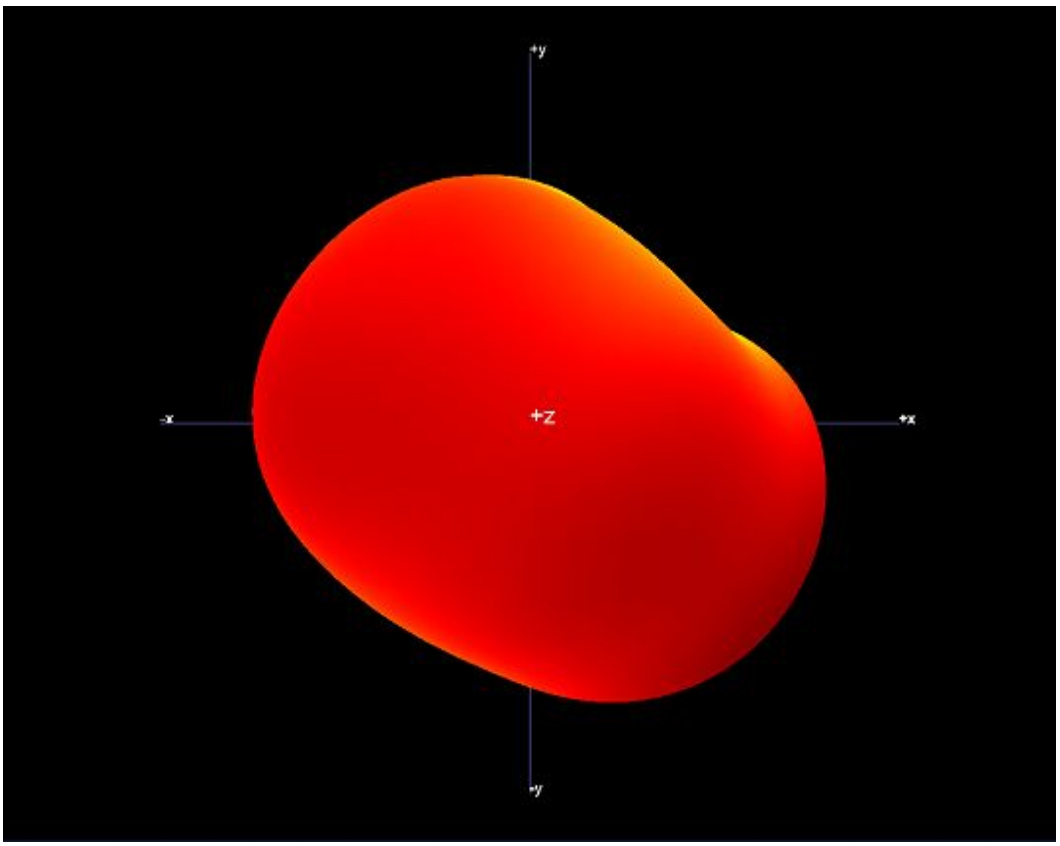
2450MHZ



2500MHZ



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2.4 Antenna passive test data

Frequency (MHz)	Efficiency (%)	Efficiency . dB	peak_Gain .dB
2400	26%	-5.92	-3.40
2410	28%	-5.56	-3.01
2420	30%	-5.29	-2.67
2430	31%	-5.09	-2.45
2440	32%	-4.94	-2.30
2450	32%	-4.93	-2.31
2460	31%	-5.12	-2.44
2470	28%	-5.48	-2.75
2480	25%	-6.09	-3.25
2490	20%	-6.92	-3.99
2500	16%	-7.92	-4.91

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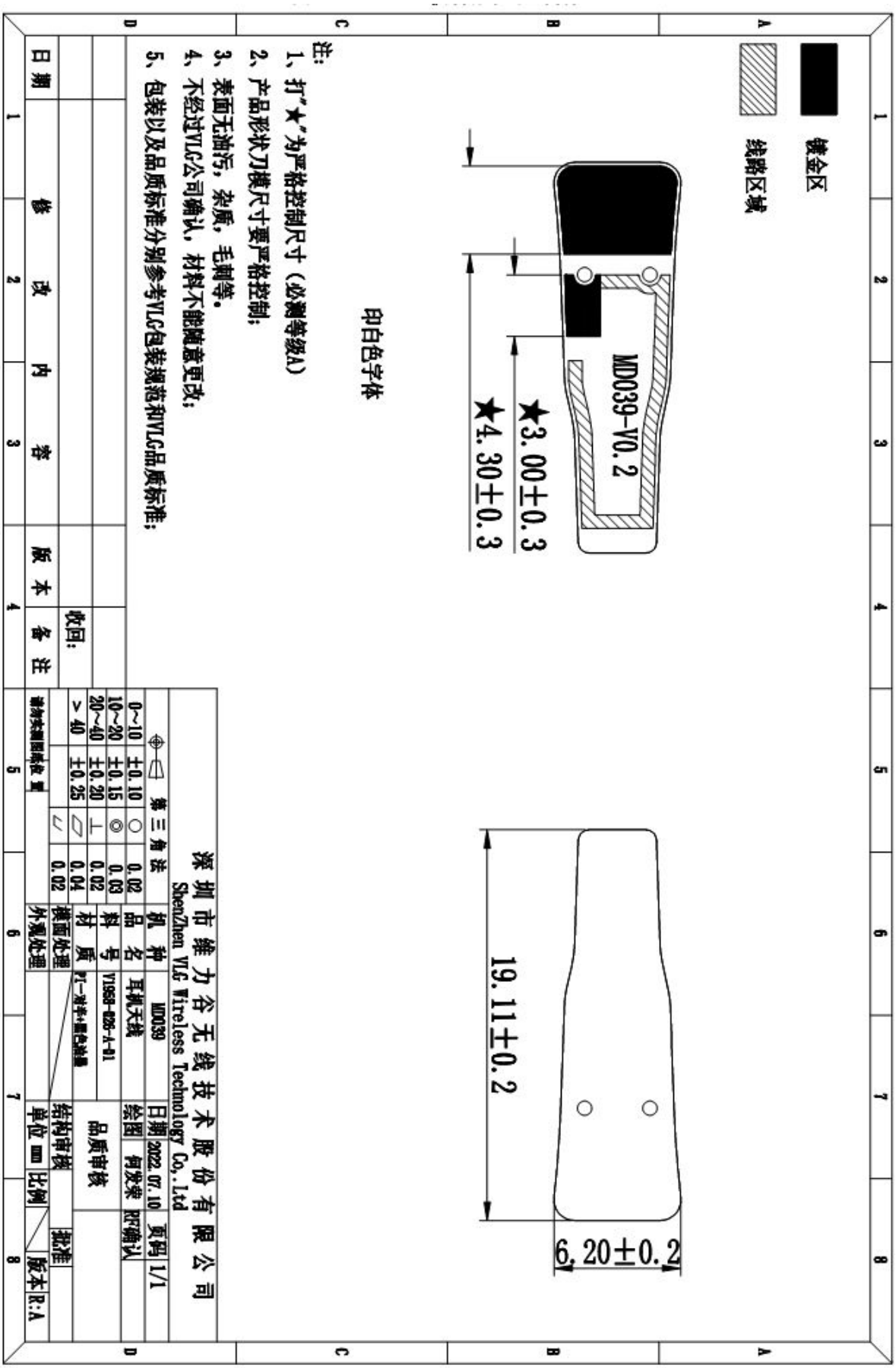
5、Size chart



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