

Client/project name	Set science and technology/HP2038 (L)			frequency band	Ear bin L antenna BT 2.4G		
Model	V1958-022-A-03			versions	R: A		
RF	YouYanLi	notarize		quality	Yu hong	notarize	
construction	He Fa rong			PM	Bai Fenglia		
date	2022-6-20						
The name of the material	Client Project Name:						
	Customer Project No. :						
customer confirmation							
RF				quality			
construction				PM			
date							
Research and development project customer satisfaction survey (customers please comment on the work of our research and development or PM)							
RF technical personnel	<input type="checkbox"/> satisfaction		<input type="checkbox"/> be basically satisfied		<input type="checkbox"/> dissatisfied		
Structural	<input type="checkbox"/> satisfaction		<input type="checkbox"/> be basically		<input type="checkbox"/> dissatisfied		
Project Management (PM Managers)	<input type="checkbox"/> satisfaction		<input type="checkbox"/> be basically satisfied		<input type="checkbox"/> dissatisfied		
Suggestion Item Description:							
							

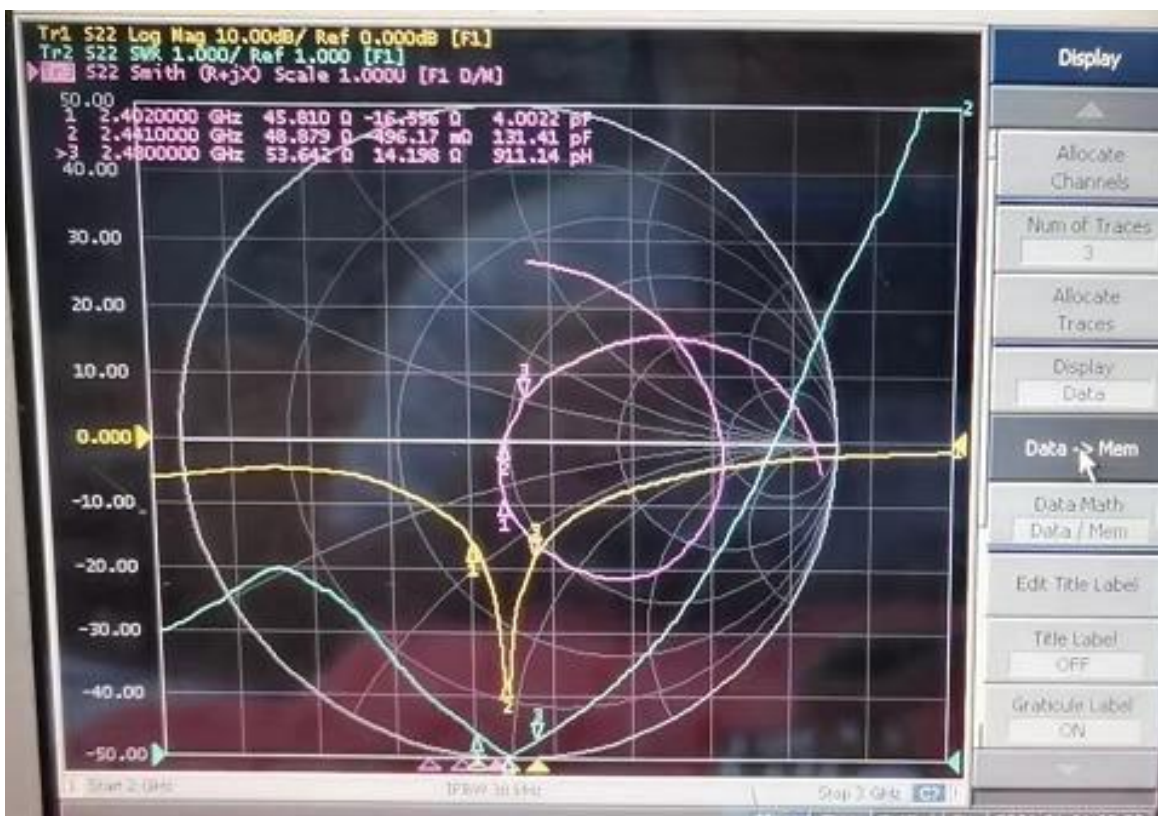
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1、Antenna matching circuit :(customer's original matching)

2、S11 Test Data:

2.1.1 Antenna back loss/Smith/standing wave ratio diagram (L) :

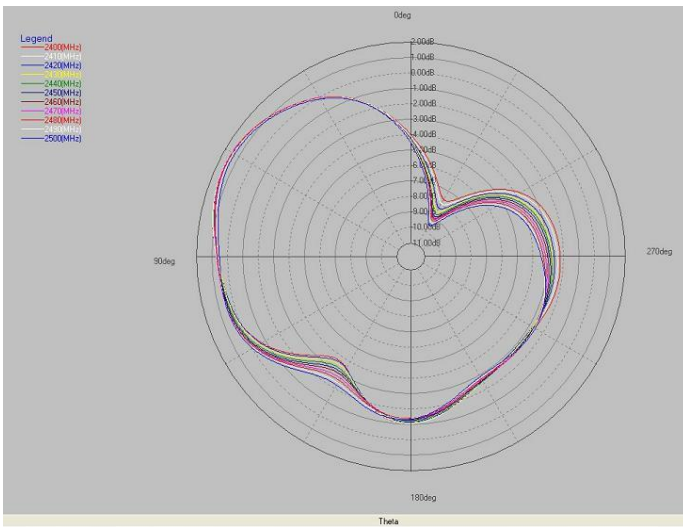


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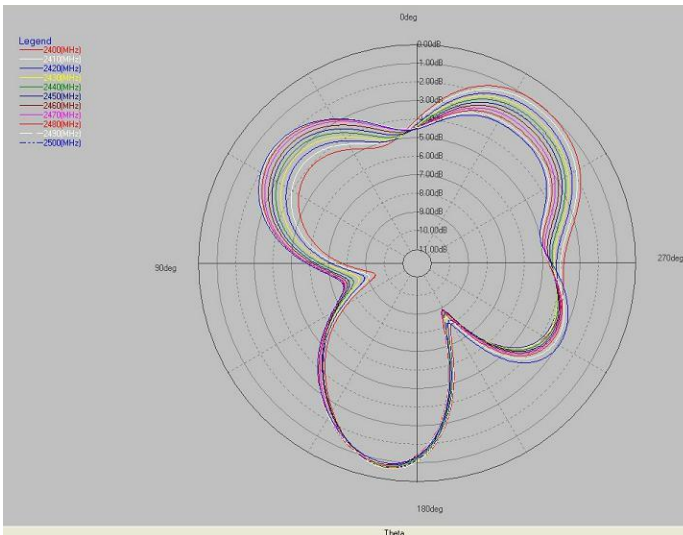
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2.2 2D antenna diagram : (L)

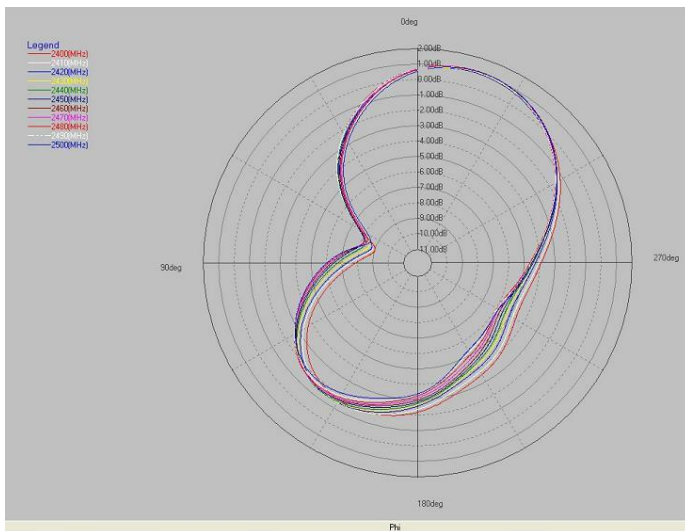
E1 :



E2 :



H :



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2.3 Antenna passive test data

L			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	peak Gain. dB
2400	58%	-1.62	1.96
2410	59%	-1.60	1.95
2420	58%	-1.65	1.88
2430	57%	-1.71	1.87
2440	56%	-1.73	1.87
2450	56%	-1.77	1.82
2460	55%	-1.84	1.75
2470	54%	-1.89	1.71
2480	53%	-1.98	1.64
2490	51%	-2.12	1.57
2500	49%	-2.26	1.50

3、Active data

	channel	TRP (DBm)	TIS (DBm)
Transmit L	0	8.38	92.2
	39	8.87	92.4
	78	9.95	92.3

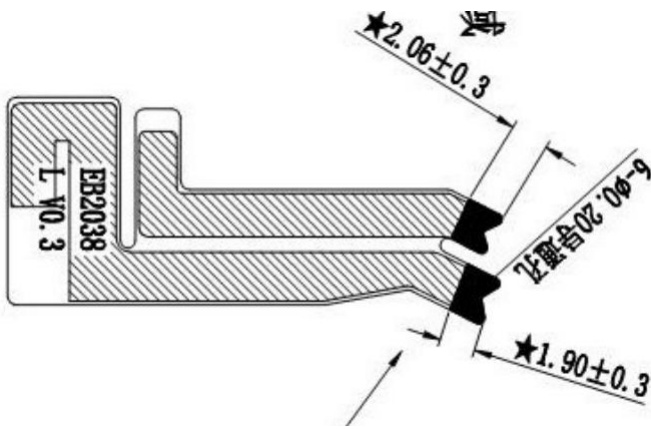
4. Suggestions and Conclusions

This report is based on the antenna electrical performance measured by the HP2038 charging bin project provided by the customer. As can be seen from the above test data, this antenna provides good electrical performance. Weili Valley R & D is looking forward to your confirmation, thank you for your cooperation!

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5、Product drawing



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