




Client/project name	Set science and technology/HP2038 (R)		frequency band	Ear bin L antenna BT 2.4G		
Model	V1958-022-A-04		version	R: A		
RF	YouYanLi	notarize	quality	Yu	notarize	
construction	He Farong		PM	Bai Fenglia		
date	2022-6-20					
The name of the	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 (R) :

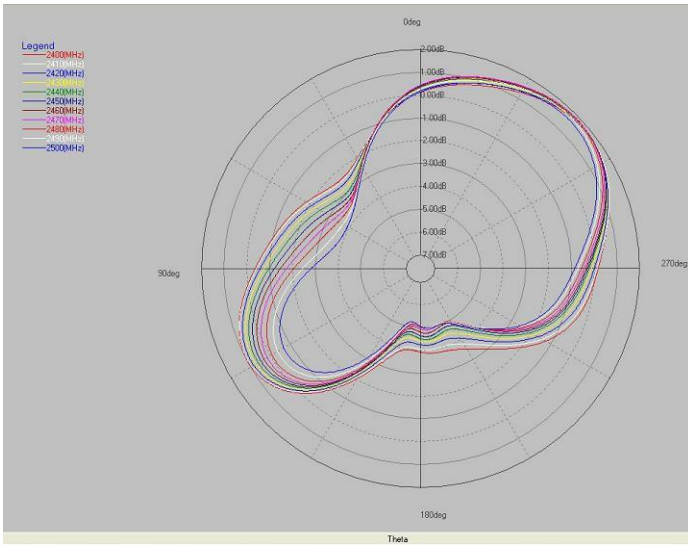


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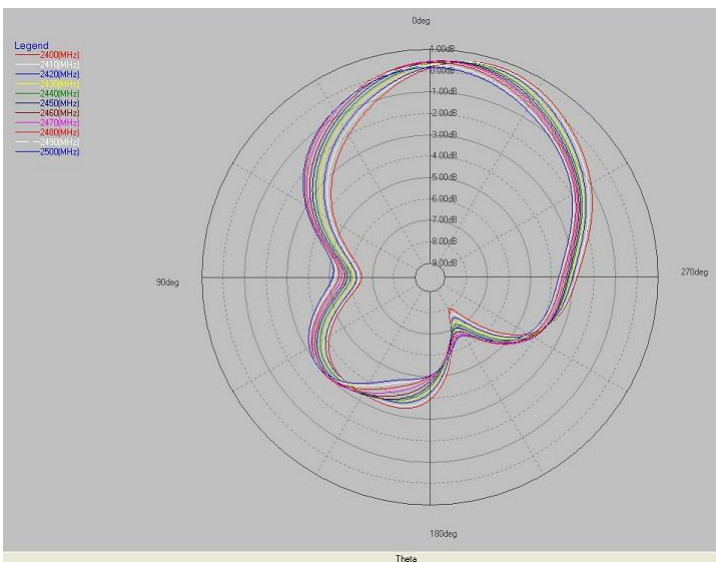
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2.2 2D antenna (R)

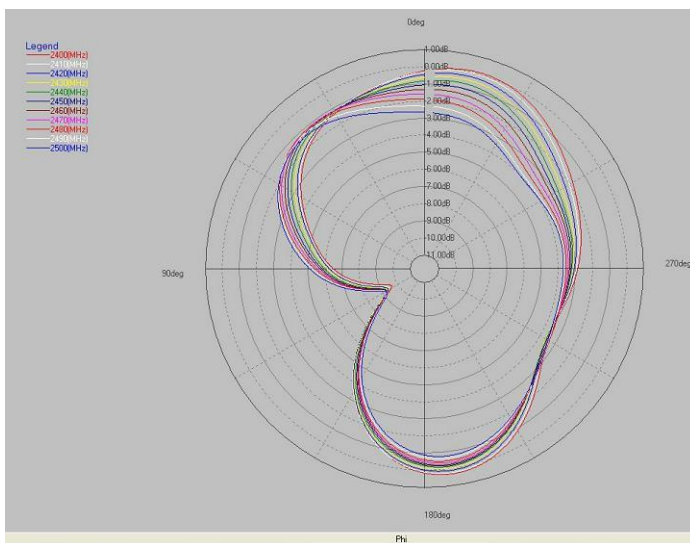
E1 :



E2 :



H :



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2.3 Antenna passive test data

R			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	peak_Gain (dB)
2400	58%	-1.71	2.21
2410	57%	-1.74	2.17
2420	56%	-1.83	2.09
2430	55%	-1.88	2.07
2440	54%	-1.91	2.06
2450	54%	-1.94	2.08
2460	53%	-1.98	2.08
2470	53%	-2.03	2.06
2480	52%	-2.11	2.00
2490	50%	-2.22	1.88
2500	48%	-2.33	1.75

3、 Active data

	channel	TRP (DBm)	TIS (DBm)
Receive R	0	6.5	-92.7
	39	6.91	-92.4
	78	7.28	-93.5

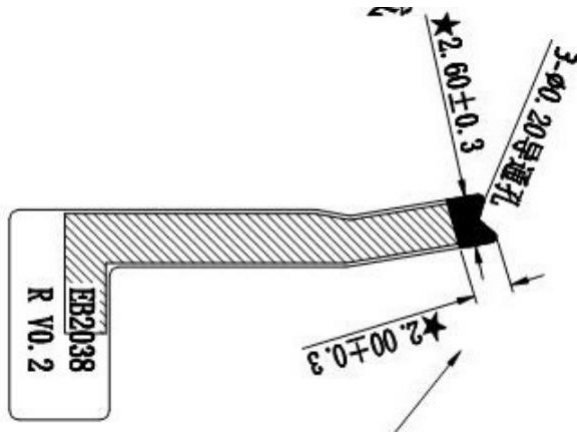
4. Suggestions and Conclusions

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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