

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		quality	Yu hong		
construction	He Faron	notarize	PM	Bai Fenglia	notarize	
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 satisfied	<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:

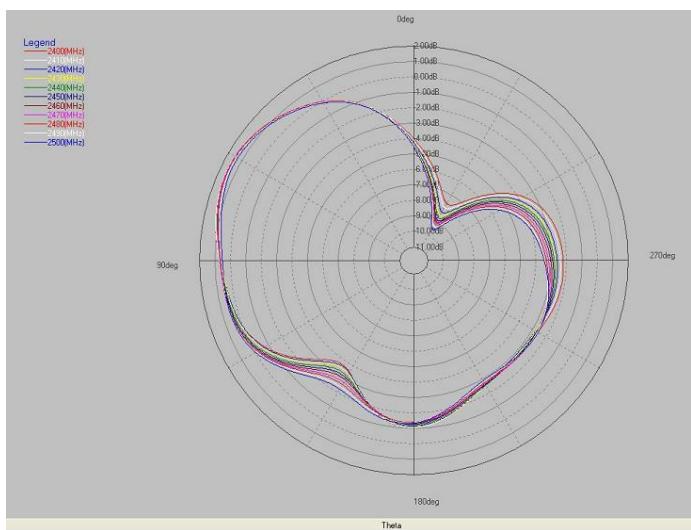
2. 1. 1 Antenna back loss/Smith/standing wave ratio diagram (L) :



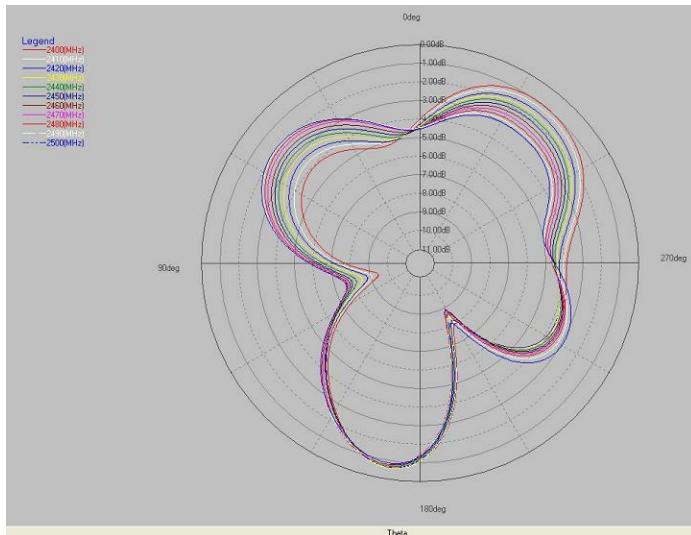
2.2 2D antenna

diagram : (L)

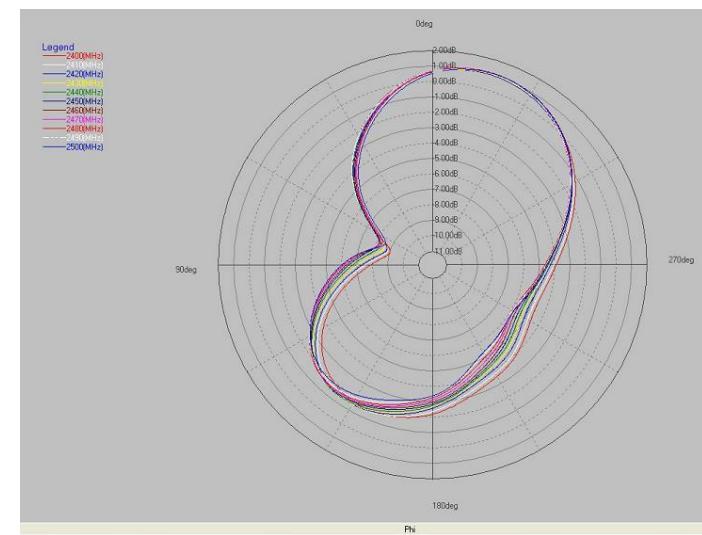
E1 :



E2 :



H :



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

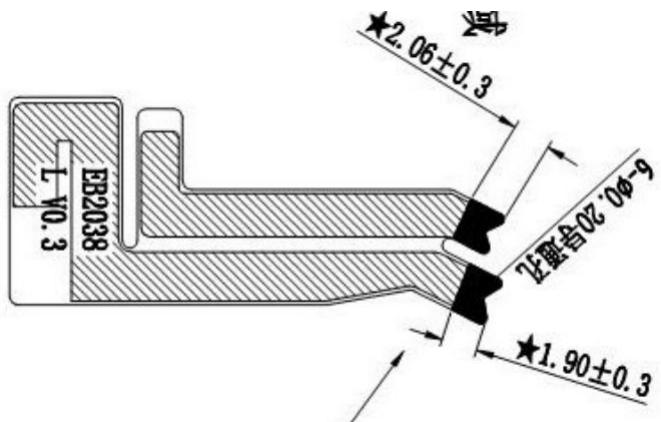
3、Active data

	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!

5、Product drawing



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