

## 福贝特国际(香港)有限公司

**Customer: Omni** 

Denko

Model: B702

Producer: Andy Date: May 30, 2023









### directory

Introduct	ion to project debugging		
2	. Test instruments and environment		
0	utline of three project versions		
4	chips conduction		
5	impedance, return loss, standing wave ratio		
6	OTA active data (free field).		
7	OTA active data (headform).		
8.	Actual measurement and environment		
9	. Antenna environmental treatment		
10	Summary		

. 9

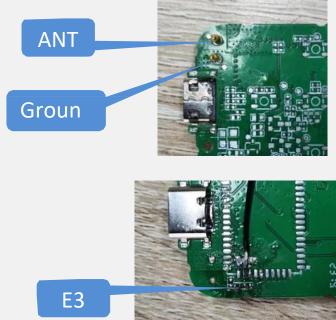
Model category	TWS headphones		
Debug frequency band	ВТ	2.4GHz	
and material	Material	FPC antenna	
Debug performance		Subject to the actual customer experience	
version		V1.0	

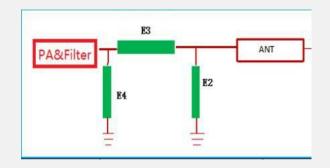
#### Mockup exterior drawing







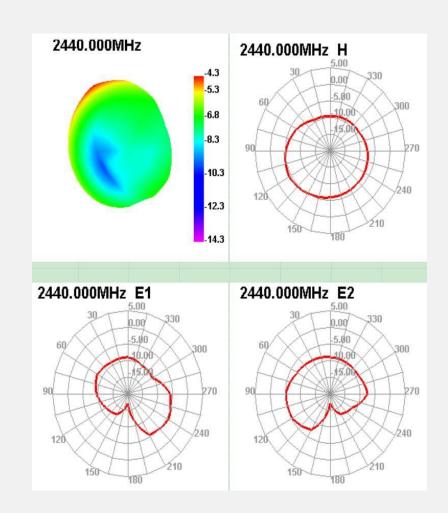




Element	parameter value
ANT	FPC
E2	NC
E3	0 ohms
E4	NC

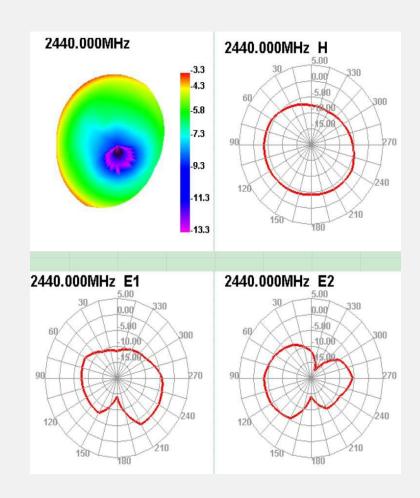
#### Passive test (double thimble).

Passive Test For BT						
Freq	Effi	Effi	Gain			
(MHz)	(%)	(dB)	(dBi)			
2400	18.35	-7.33	-4.91			
2410	18.36	-7.36	-4.78			
2420	19.65	-7.53	-4.99			
2430	19.23	-6.19	-4.51			
2440	20.16	-6.92	-4.26			
2450	19.39	-6.13	-3.52			
2460	17.1	-7.67	-4.13			
2470	19.88	-7. 8	-3.18			
2480	18.15	-7.96	-3.39			



#### Passive test (single thimble).

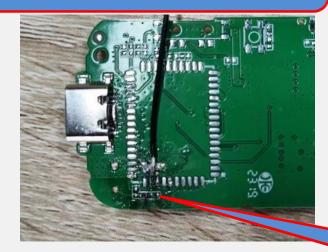
Passive Test For BT						
Freq	Effi	Effi	Gain			
(MHz)	(%)	(dB)	(dBi)			
2400	23.78	-6.24	-2.77			
2410	22.59	-6.46	-2.98			
2420	23.48	-6.68	-3.36			
2430	24.38	-6.31	-3. 2			
2440	26.43	-6.24	-3.27			
2450	27.62	-5.59	-2.66			
2460	25.36	-6.13	-3.16			
2470	27.35	-5.63	-2.62			
2480	22.32	-6.51	-3.41			



#### Suggestions for improvement



A solder joint is reserved next to the feed point that can affect network clutter



2. microstrip lines are too lon



#### 总结&附加说明

- 1. At present, from the data point point will be more efficient, but considering the antiinterference problem, the doubly-fed point is now used
- 2. Due to the debugging of the blank board, there will be some changes in the frequency after the board is attached to the device, and subsequent optimization and confirmation are required.



# Thank you and happy cooperation!

The Concepts National Income And National Product Have Roughly The Same







