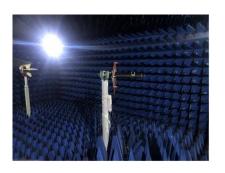
Kenaixin Z1357-01 debugging report

Radio: Lin Shaokun Date: 2025-8-15 Contact: 18476607352



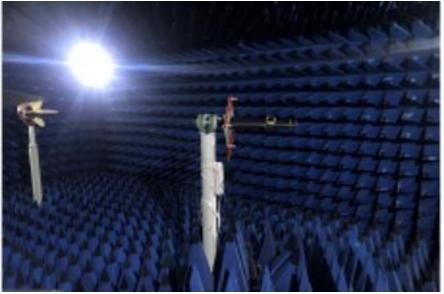




Project development environment

As we transition from the internet era to the intelligent age. China is actively developing digital societies and smart cities. Over the next 5-10 years, both consumer electronics and IoT markets will demonstrate tremendous growth potential. The wireless communications sector remains highly diversified. Leveraging its core strengths in antenna technology and comprehensive capabilities, Yusheng is committed to delivering competitive professional-grade product solutions that meet market demands.





Yusheng Communications product portfolio covers nearly all antenna applications for wireless terminal devices, including automotive antennas, high-precision surveying and mapping antennas. UAV ground and satellite navigation data transmission systems, high-precision positioning antennas, medical device wireless transmission systems. consumer-grade antennas (mobile phone antennas, PADs, laptop antennas), base station/indoor distribution antennas, smart wearable antennas (smartwatches, TWS earbuds), security home automation antennas, and various smart devices utilizing wireless data transmission and control technologies.

Project debugging introduction

type	earphone			
Band and antenna material	main antenna	frequency range		material quality
		ВТ	2400MHZ-2500MHZ	FPC
performance requirement				

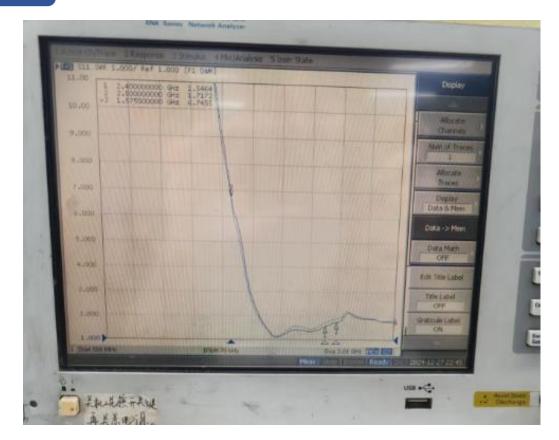


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Presently unparameterized-BT

Freq. (MHz)	Efficienc y (%)	Gain dBi
2400	58.09	1. 17
2410	56.6	1. 22
2420	55.11	1. 37
2430	54.01	1. 49
2440	53.17	1. 56
2450	52.54	1. 68
2460	51.36	1. 52
2470	49.29	1. 40
2480	48.17	1. 33
2490	48.13	1. 29
2500	47.63	1. 21





Match change



Source data-charging tank

Channel No.			
	TRP (dBm)	TIS (dBm)	
0	5.64	-90.6	
39	5.46	-90.9	
78	5.16	-90.7	

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Source dataheadphones

Channel No.	L- freedom		
		TIS (dBm)	
0	6.17	-88.98	
39	6.83	-88.91	
78	6.49	-87.99	

Channel No.	R- freedom		
	TRP (dBm)	TIS (dBm)	
0	6.78	-89.46	
39	6.93	-89.57	
78	6.45	-89.07	

Channel No.	L- headform		
	TRP (dBm)	TIS (dBr	n)
0	-1.74	-82.18	
39	-0.91	-82.04	
78	-1.05	-81.37	

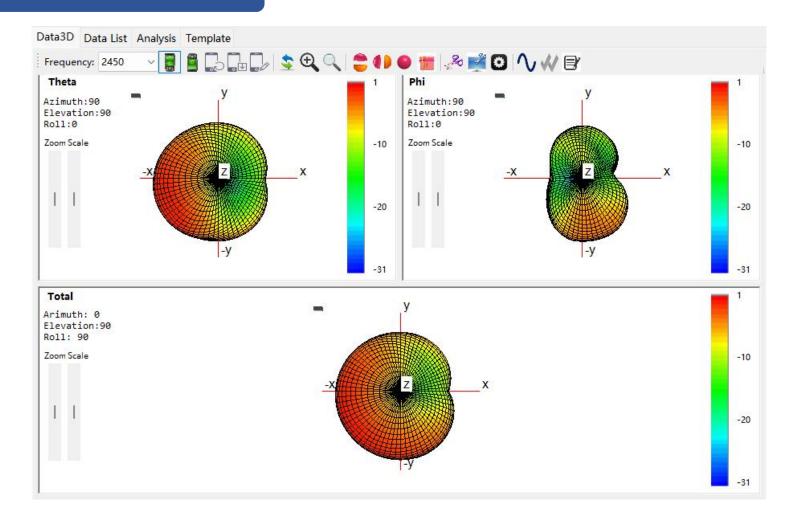
Channel No.	L- headform		
	TRP (dBm)	TIS (dBm)	
0	-1	-82.02	
39	-0.82	-81.99	
78	-1.18	-81.65	



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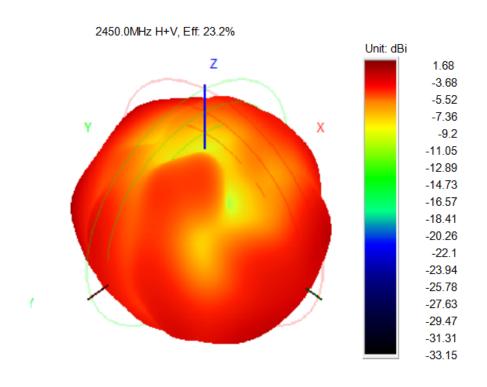
Apple illustration



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chamber directional diagram

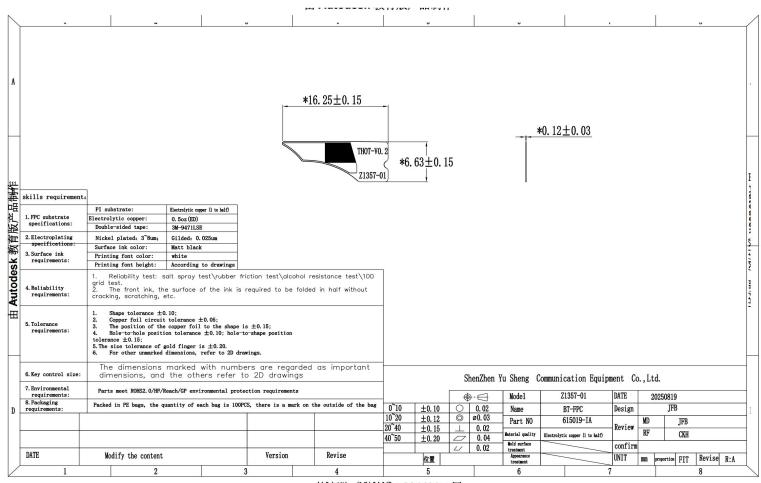




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antenna diagram file



Thank you!



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