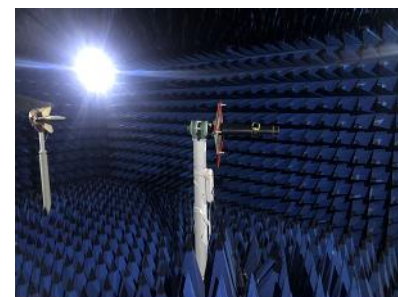


Kenaixin Z1359-01 debugging report

Radio: Lin Shaokun

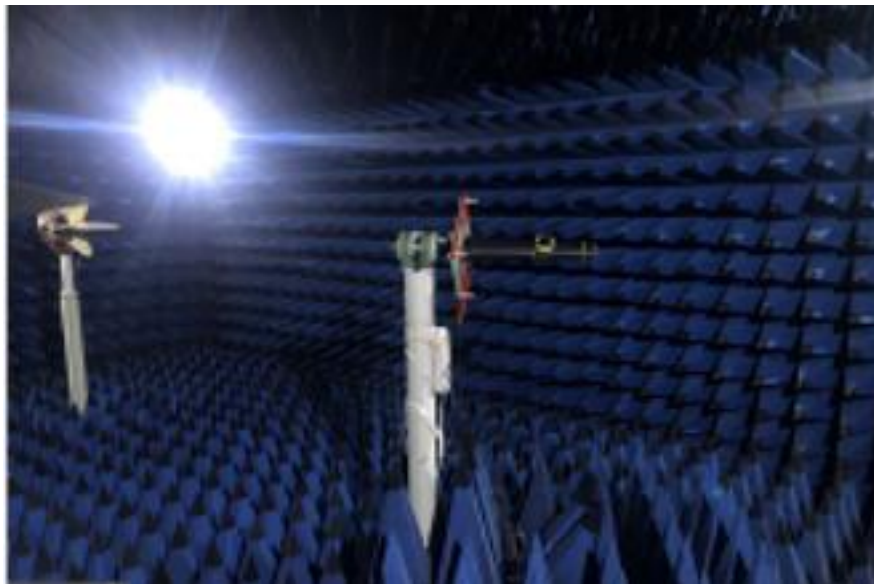
Date: 2025-8-15

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

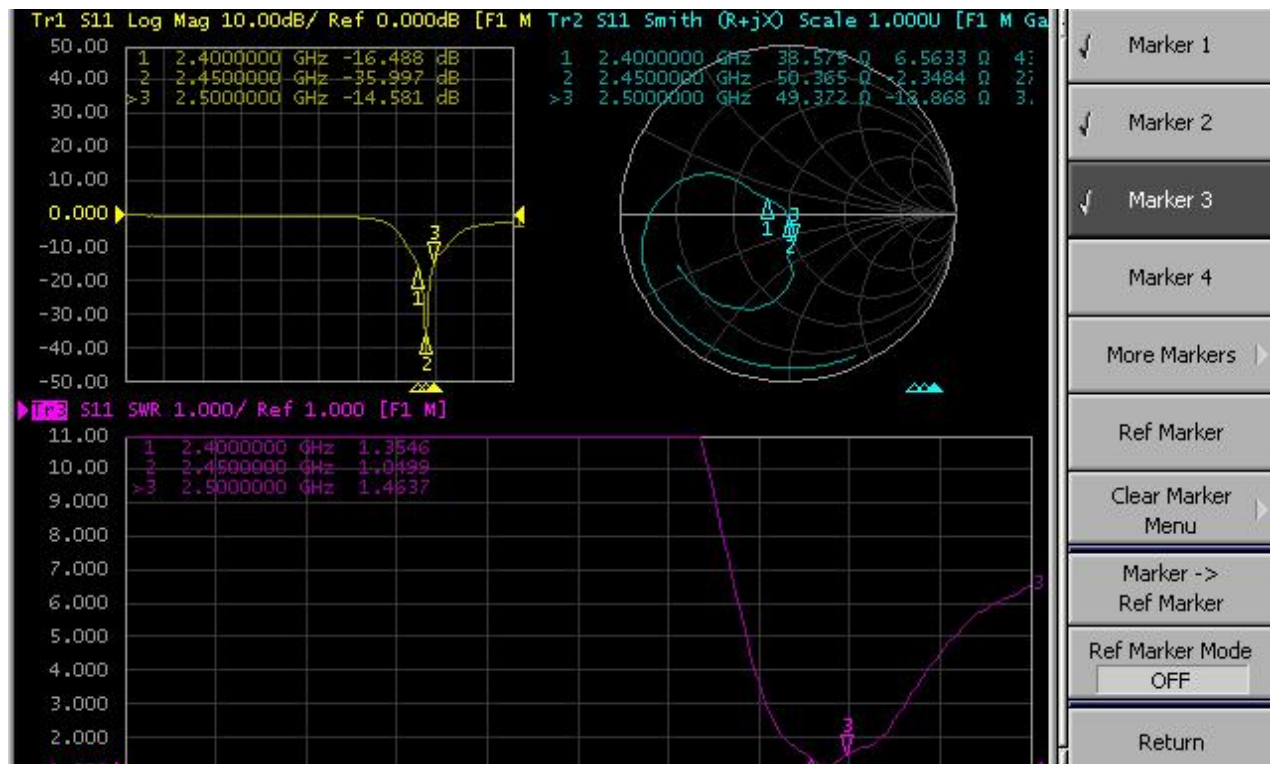
type	earphone			
Band and antenna material	main antenna	frequency range		material quality
		BT	2400MHZ-2500MHZ	FPC
performance requirement				

Source data

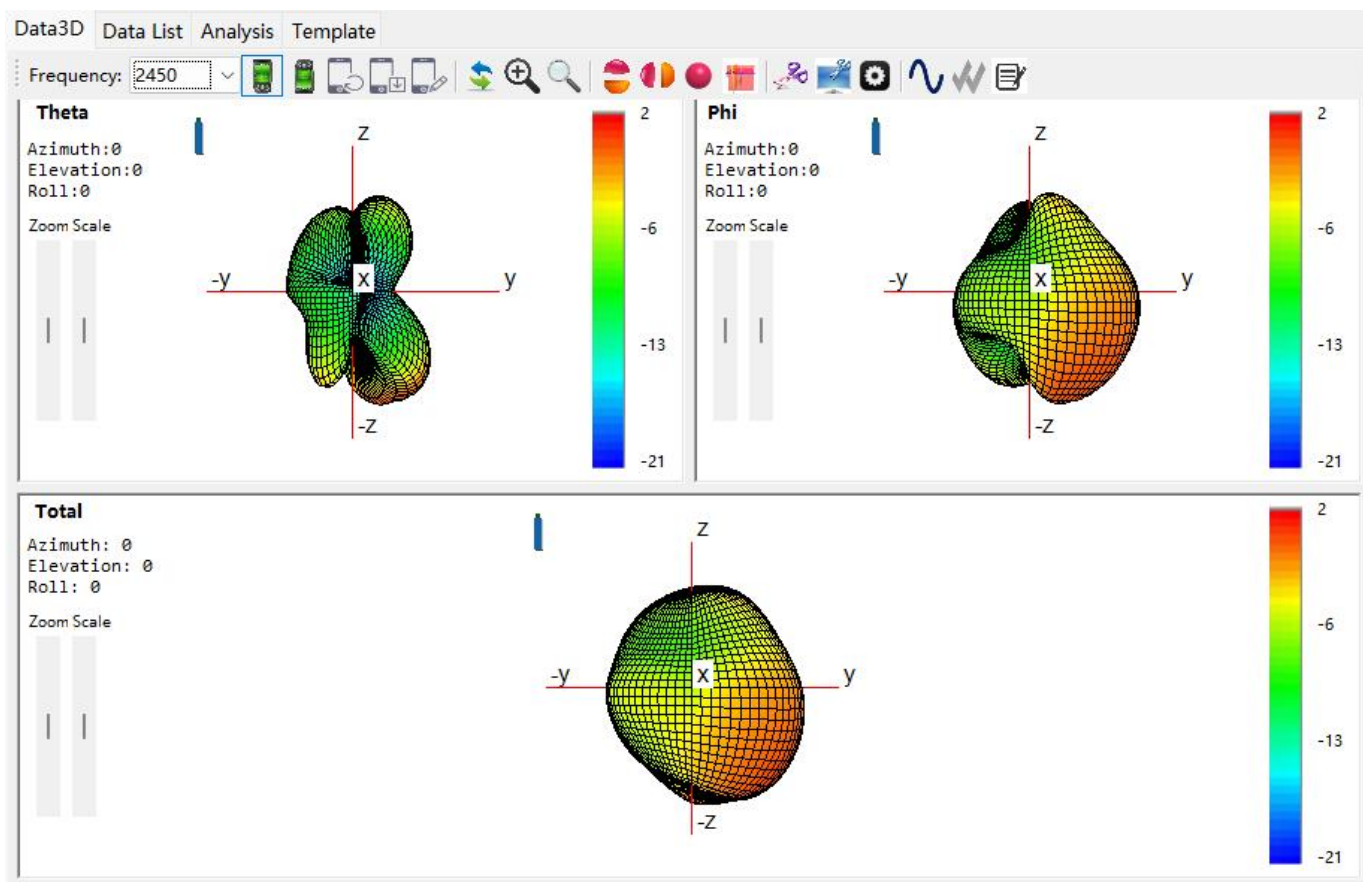
Channel No.	FPC	
	TRP (dBm)	TIS (dBm)
0	6.15	-89.47
39	5.91	-90.26
78	5.65	-90.15

S11/ Passive parameter charging chamber

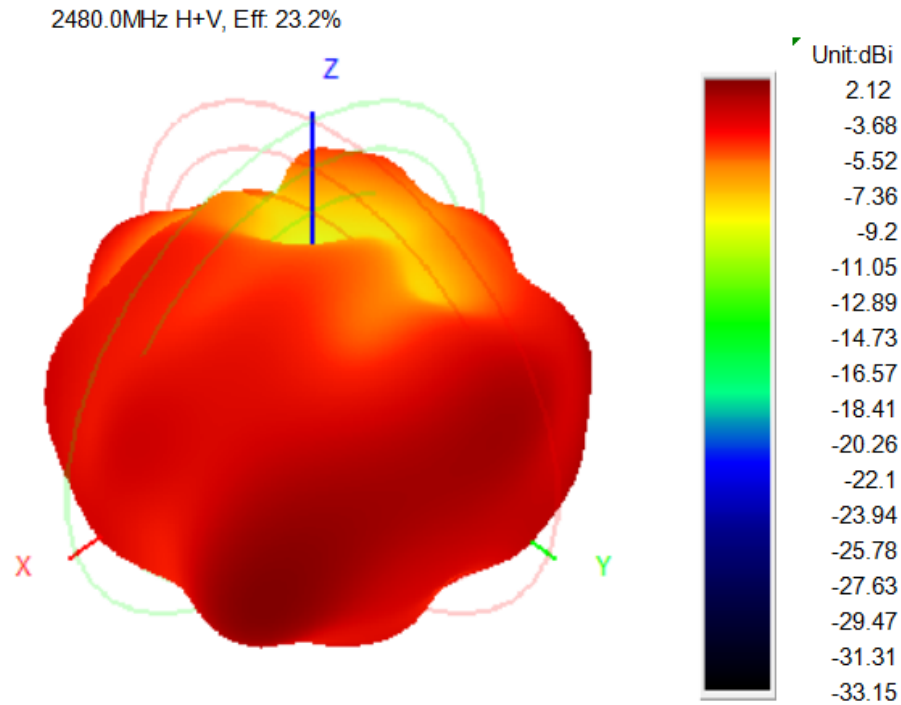
Freq. (MHz)	Efficiency (%)	Gain dBi
2400	61.45	1.8
2410	60.05	1.92
2420	58.46	1.91
2430	56.83	1.85
2440	56.04	1.96
2450	55.5	2.05
2460	55.88	1.99
2470	56.09	2.04
2480	54.85	2.12
2490	55.84	2.00
2500	56.21	1.89



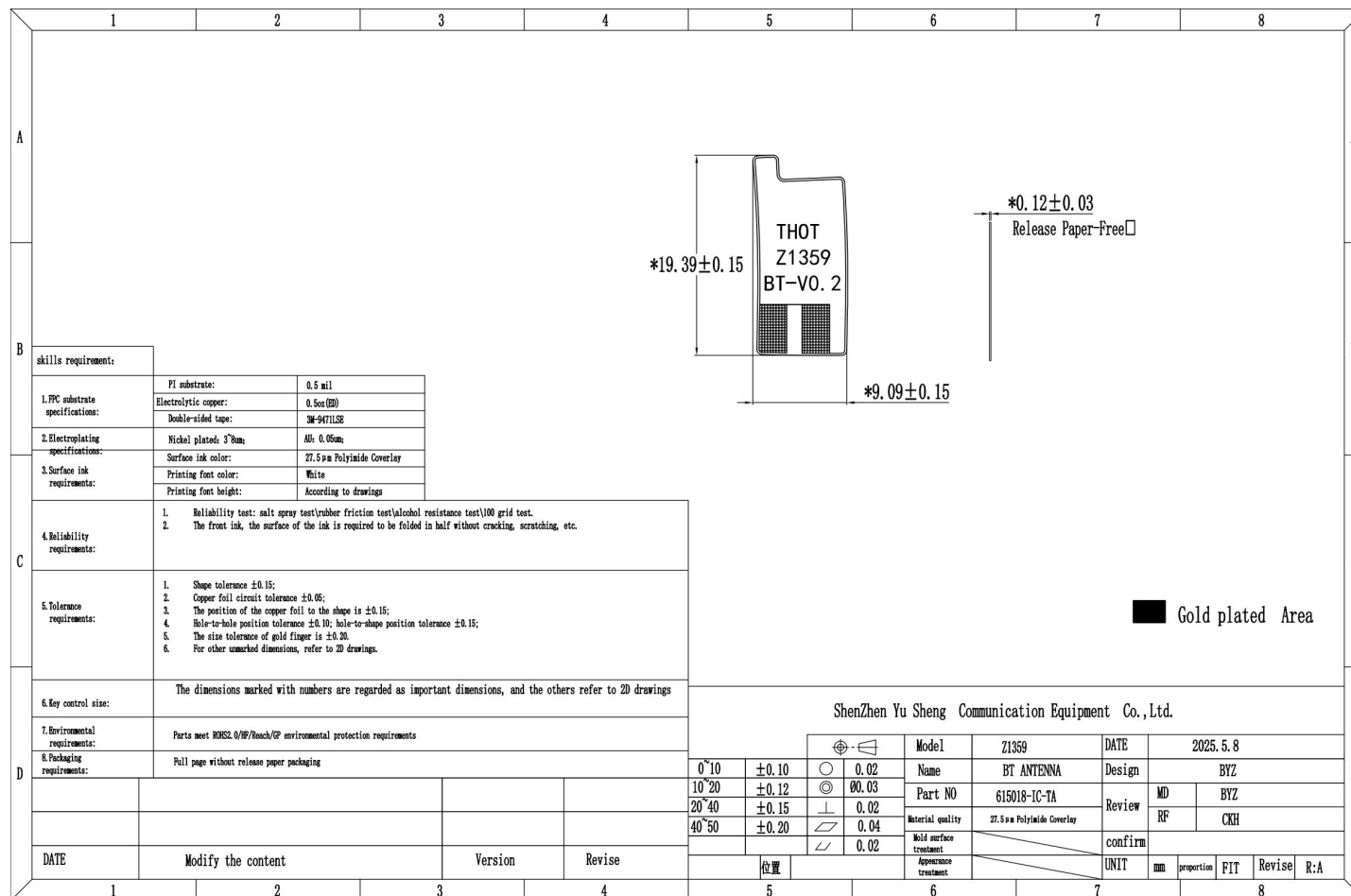
Charging box Apple illustration



3D Radiation Pattern



Charging bin antenna diagram file



Thank you!



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