

Specification of
Earphone Antenna Element

Project	P9 ear support left/right		Frequency Band	BT(2400-2500)	
P/N	DSQ-P9-L-V6.0 DSQ-P9-R-V6.0		Version	V6.0/V6.0	
Date	2024/08/19				
SPEED					
Checked by	RF	Peng Zhou	Design by	RF	Yafeng Yu
	ME	Teng Yang		ME	Songzhi Zhu
			Remark		
Customer					
Date					
Confirmed by	RF				
	ME				
Remark					

Antenna Supplier Name: Shanghai Deshiqin Communication Technology Co., Ltd

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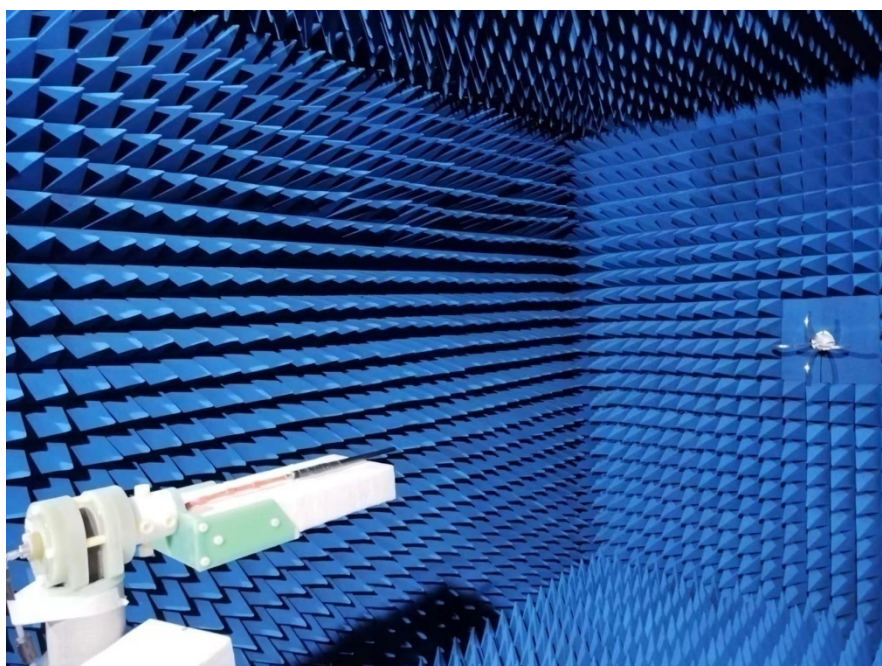
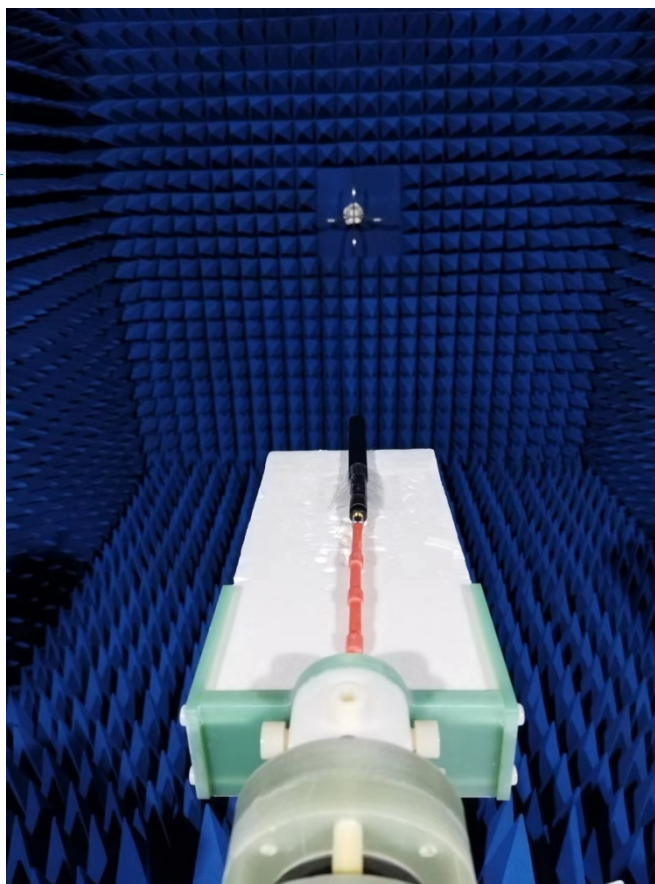
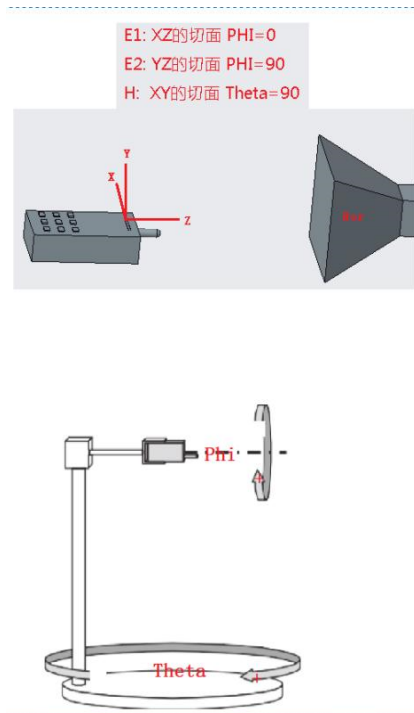
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1. Sample picture and description:



Electrical Specifications	
Frequency range	2400-2500MHz
impedance	50 ohm
VSWR	≤ 3.0
Peak Gain	L: -0.05dBi / R:-0.21dBi
Polarization	Vertical polarizathion
Working/Storagetemperature	
Working temperature	-30℃ ~65℃
Storage temperature	-30℃ ~75℃

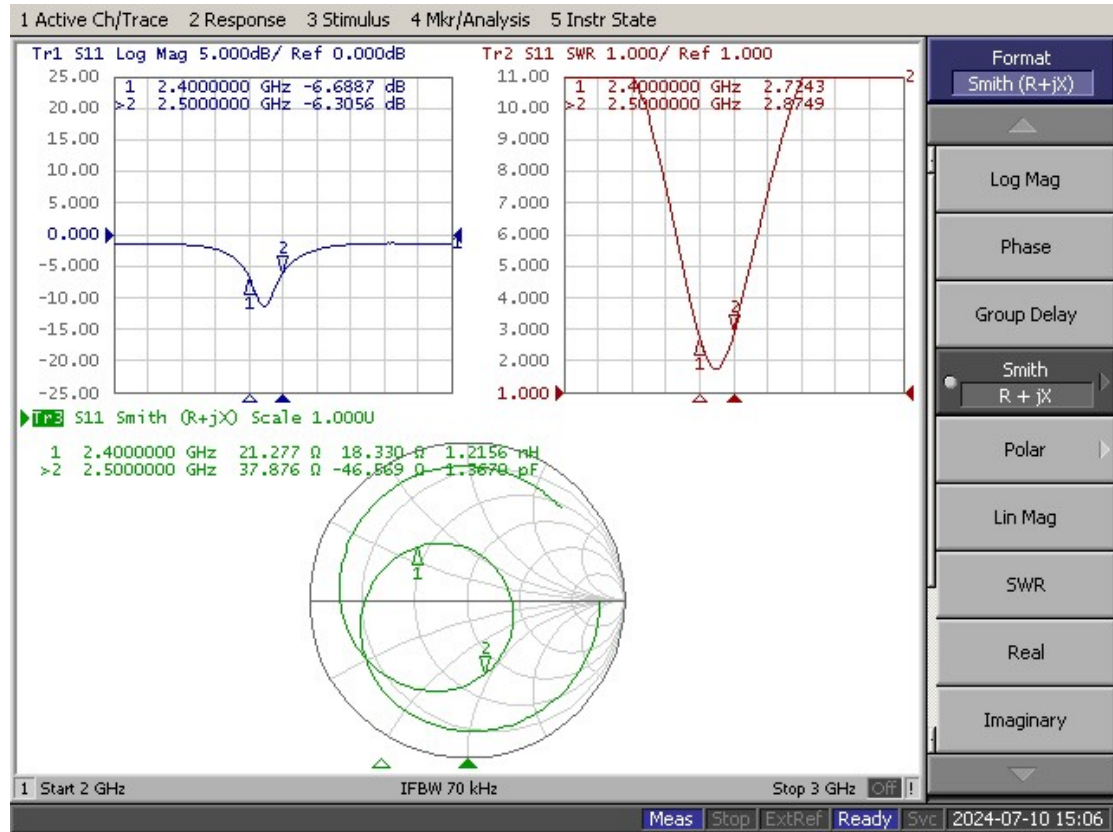
2. Chamber connection and coordinates :



3. Antenna electrical performance test data:

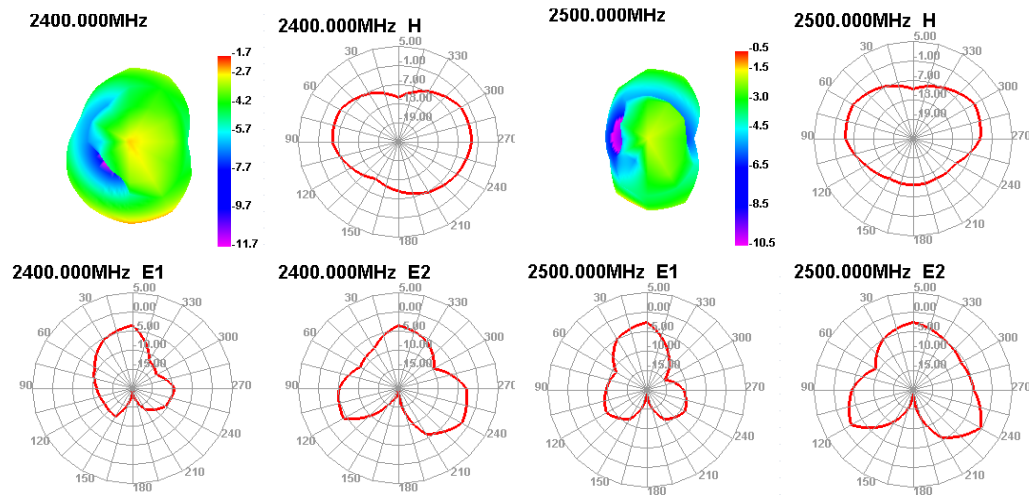
3.1. Antenna passive parameters (right)

3.1.1. RL/VSWR/Smith chart



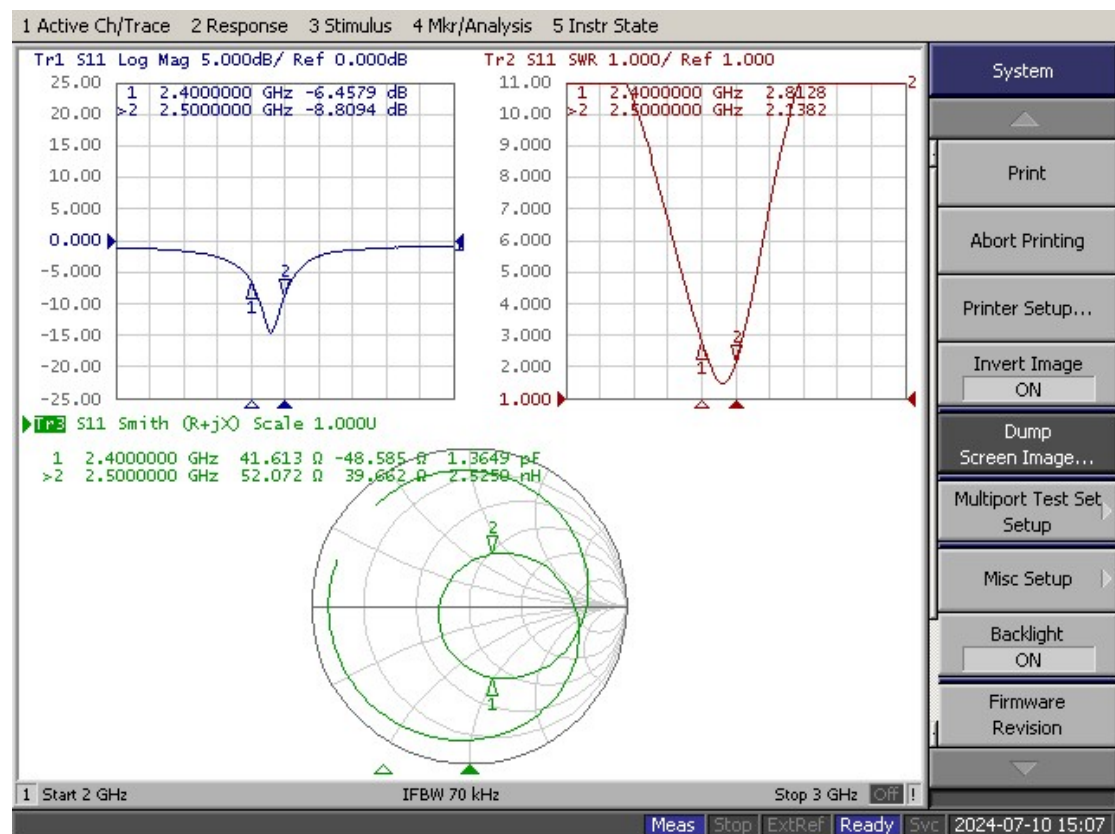
3.1.2. Efficiency/Gain/Radiation pattern

Freq (MHz)	Effi (%)	Gain (dBi)
2400	16.58	-1.7
2410	17.87	-1.42
2420	15.55	-1.31
2430	16.47	-0.96
2440	15.1	-0.94
2450	15.36	-0.76
2460	17	-0.63
2470	17.64	-0.91
2480	18.15	-0.23
2490	18.08	-0.21
2500	19.67	-0.46



3.2. Antenna passive parameters (left)

3.2.1. RL/VSWR/Smith chart



3.1.2. Efficiency/Gain/Radiation pattern

Freq (MHz)	Effi (%)	Gain (dBi)
2400	16.69	-0.93
2410	16.23	-0.6
2420	17.36	-0.53
2430	18.4	-0.24
2440	18.76	-0.24
2450	18.48	-0.05
2460	18.67	-0.57
2470	18.03	-1.38
2480	17.73	-0.65
2490	18.3	-0.27
2500	19.15	-0.43

