

ANTENNA PERFORMANCE
TEST REPORT



Antenna under Test (AUT) Description

Brand Name: BTE hearing aids.
Type Name: BTE SCW-13
Marking Name: 2.4GHz FPC ANTENNA
Antenna Type: Flexible Printed Circuit Antenna (FPC Antenna)。

Data Preview

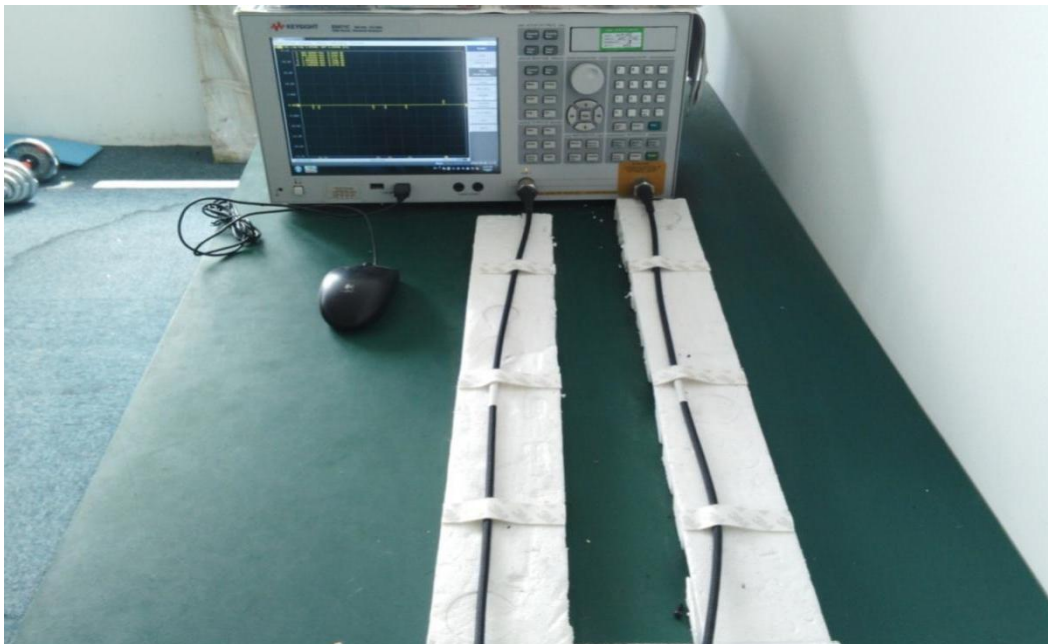
Free		
Freq (MHz)	Gain (dBi)	Effi (dB)
2400	-6.18	-6.23
2410	-5.16	-5.92
2420	-3.74	-5.53
2430	-4.58	-5.49
2440	-3.11	-5.08
2450	-1.56	-4.66
2460	-2.05	-4.49
2470	-0.66	-4.1
2480	0.04	-4.01
2490	-1.06	-4.09
2500	1.12	-3.92

1. RF Fixture Experiment

1.1 Test Setup

1.1.1 VNA Test Setup

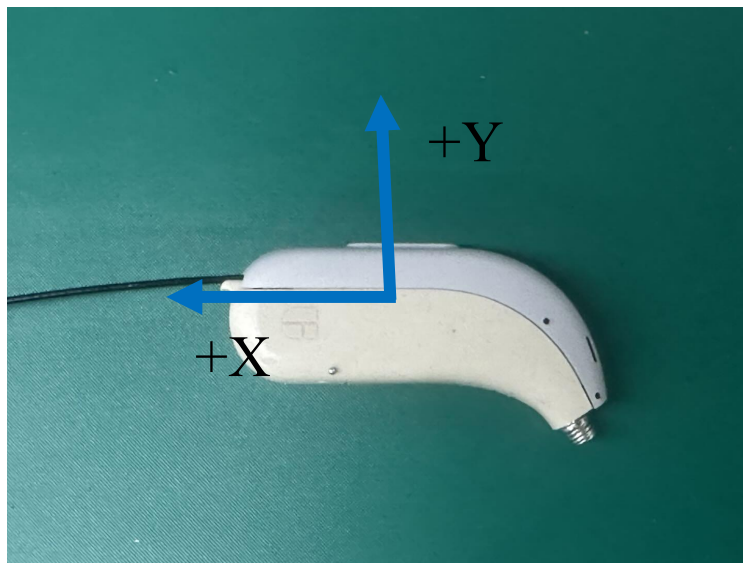
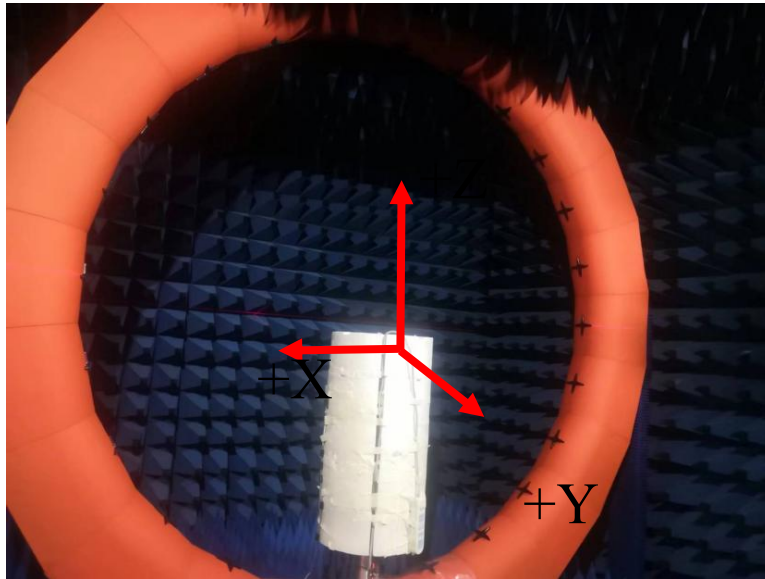
VSWR and Return Loss measurements (S11) were performed using an Keysight E5071C Network Analyzer. The isolation between antennas is also tested. The testing was performed with apparatus in free space.



1.1.2 Anechoic Chamber Test Setup

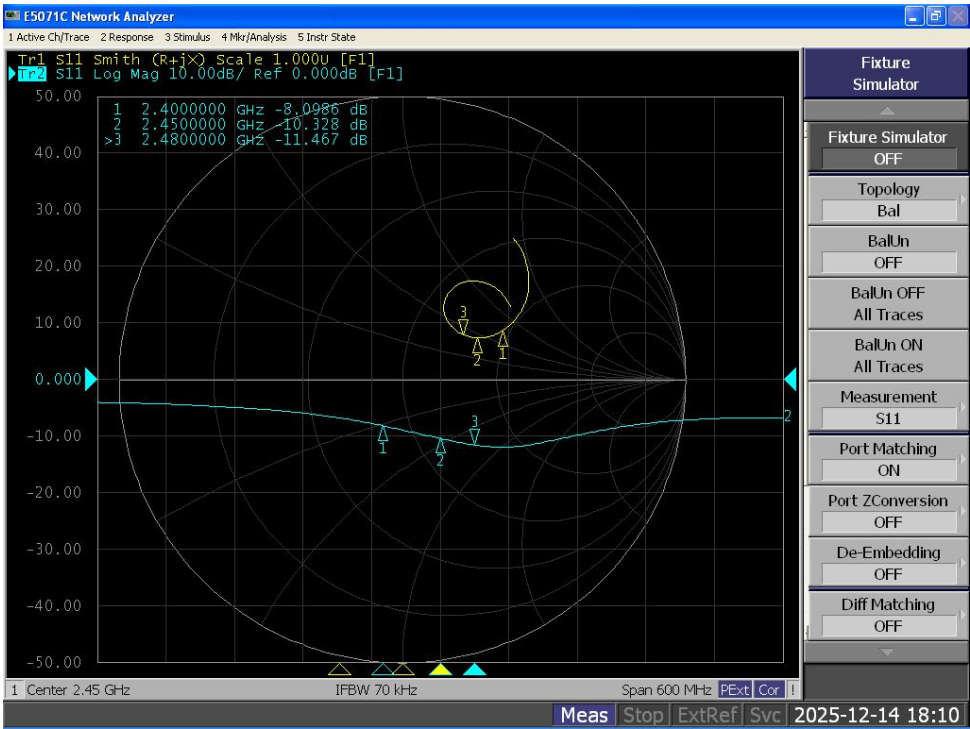
The gain of the antenna was measured in the anechoic chamber. The chamber provides less than -30 dB reflectivity from 400 MHz through 6 GHz. The chamber size is: 7m*4m*3m. The measurement results are calibrated using a leaky wave horn

standard. We can measure the antenna gain and efficiency accurately.



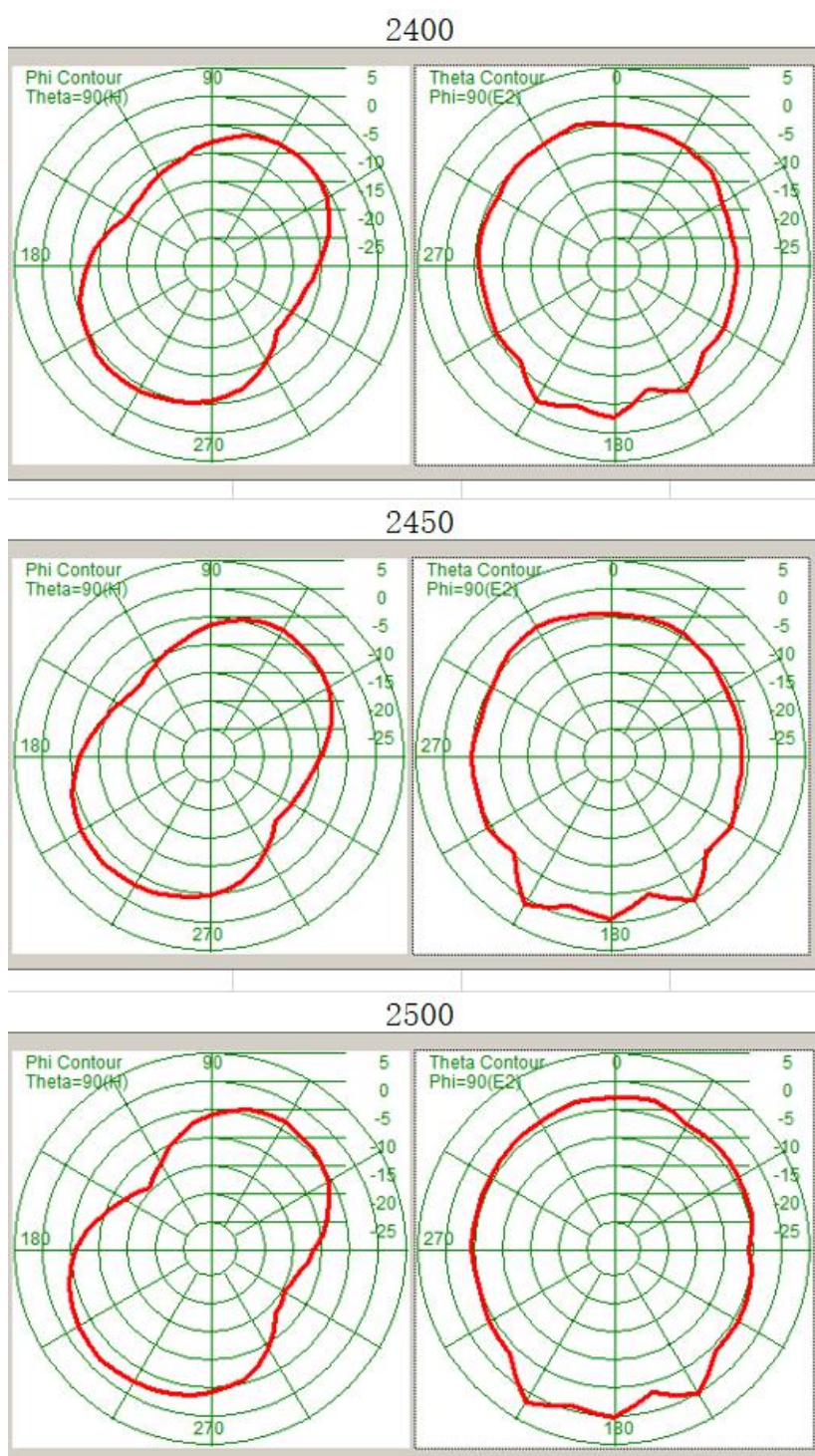
2. Antenna Solutio

ANT-free-S11



ANT1-Radiationpatterns:2D(2450MHz)

Free :



Antenna Specification:

