



Antenna Specification

Project name:	A110BT / A110BTNC / A110BTAU
Material category:	BT antenna
Version:	V1.1
Date:	2026.07.03



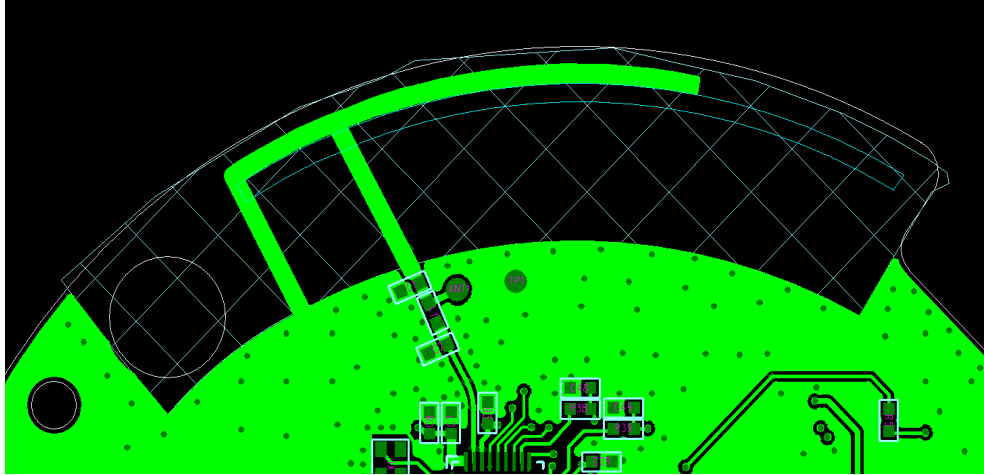
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Change record			
Compile / change date	Reason for change	Changed content	Version
2025.01.17	First edition	First edition	V1.0
2026.07.03	Updated project information	Added project A110BTAU	V1.1



1: Antenna Design Introduction



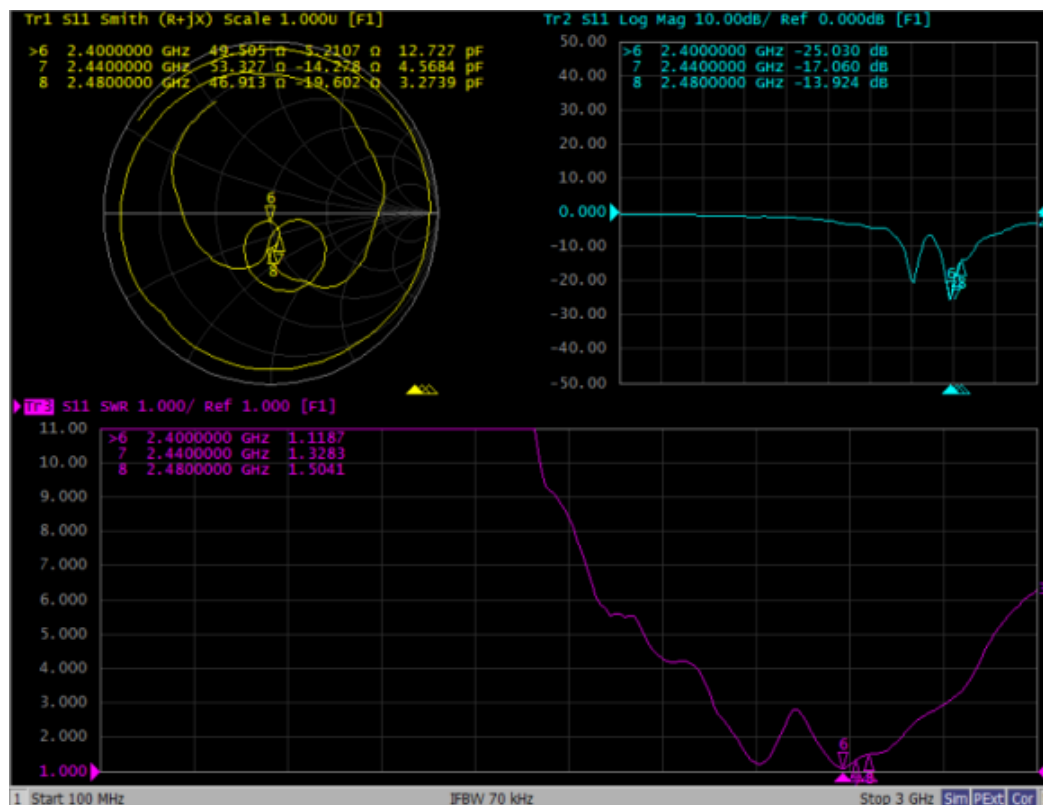


II: The report of data



Angilent E5071C

S11 parameter:





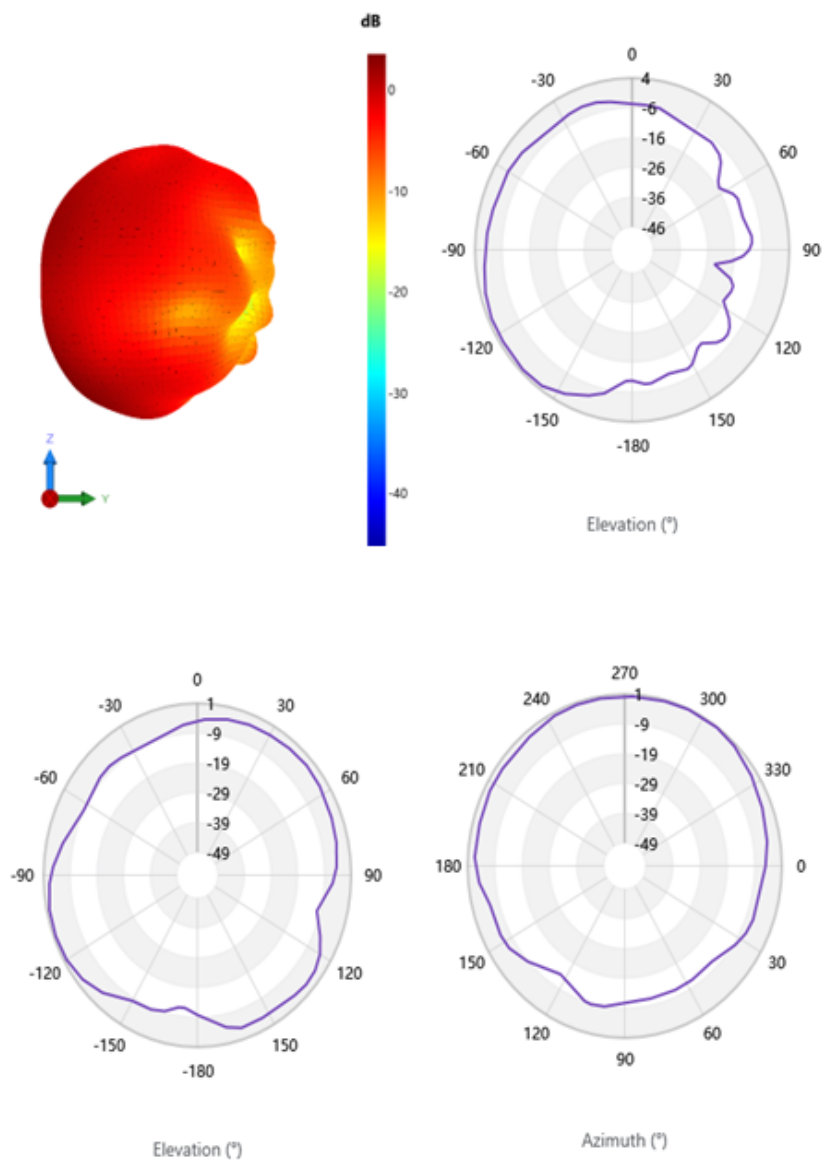
Efficiency:

Frequency MHz	Efficiency%	Efficiency(dB)	Gain(dBi)
2400	51.0%	-2.9	3.4
2410	52.0%	-2.9	3.4
2420	54.0%	-2.7	3.6
2430	54.0%	-2.7	3.6
2440	55.0%	-2.6	3.6
2450	57.0%	-2.4	3.6
2460	56.0%	-2.5	3.5
2470	56.0%	-2.5	3.5
2480	56.0%	-2.5	3.4
average value	54.6%	-2.6	3.5

Max gain: 3.6



Antenna radiation pattern:





III: Performance Specifications

Antenna Type	PCB IFA
Dimensions	L=21mm H=6.5mm
Frequency	2.4GHz-2.5GHz
Peak Gain	3.6dBi

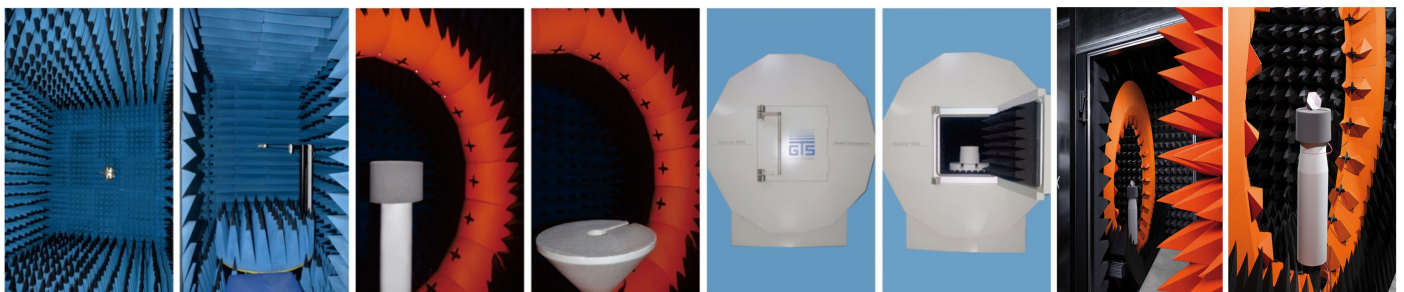
IV: Test instructions

Test Dates: 20241219

Name of Test Personnel: qin honglang

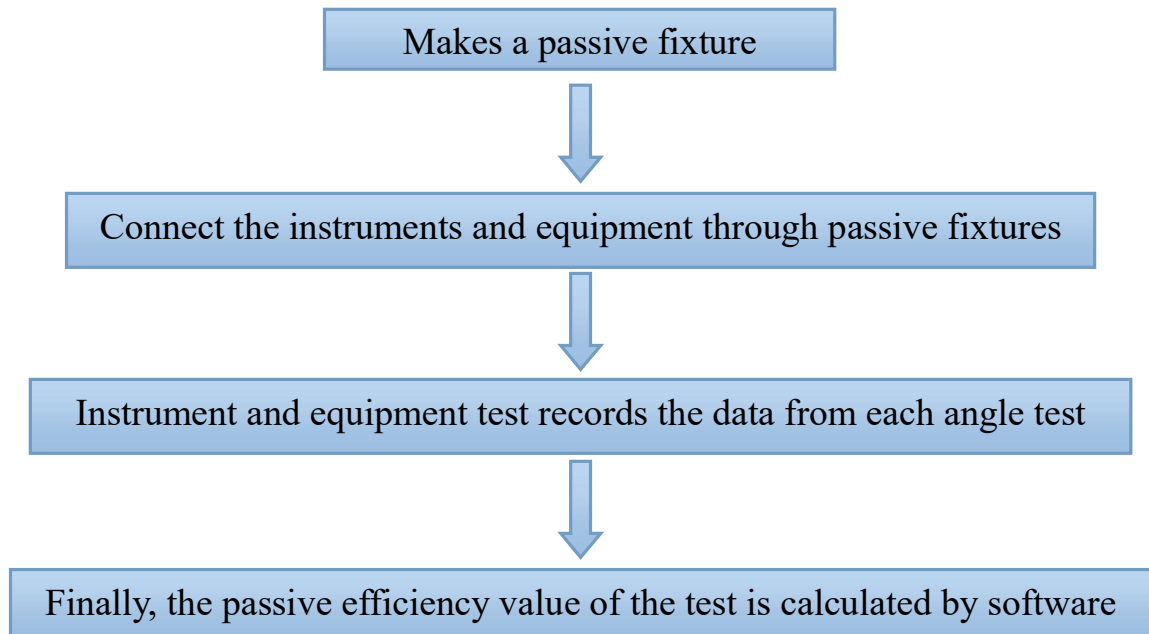
Names of Commercial Test Software Being Used: Wave studio

Passive and Active Test Setup Photos:





Description of passive test methods:



Description of the active test method:

