

EH19 Antenna Test Report

Customer	德声
Project	EH19
Antenna BAND	BT
Product Description	FPC
Product No	V1.1 (PCB)

This report is to measure the performance of BT antenna for **EH19**.The antennaoperating frequency at (2400–2500MHZ) , All test data are showed as below.

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Product Overview & Dimension

Front-ANT



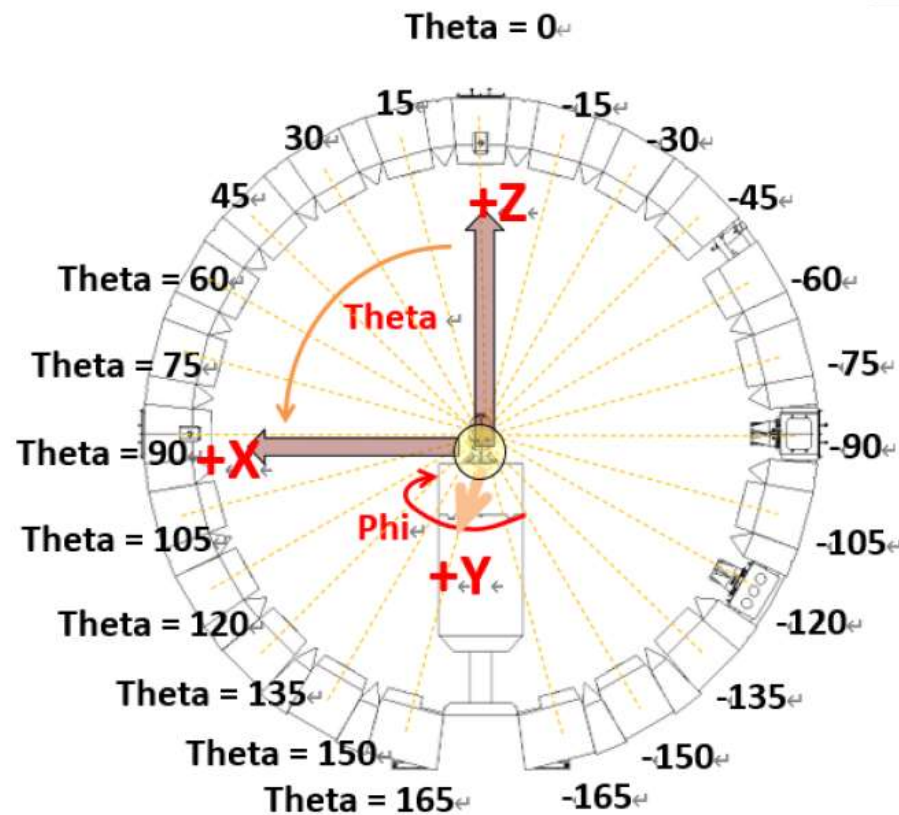
2. Test System

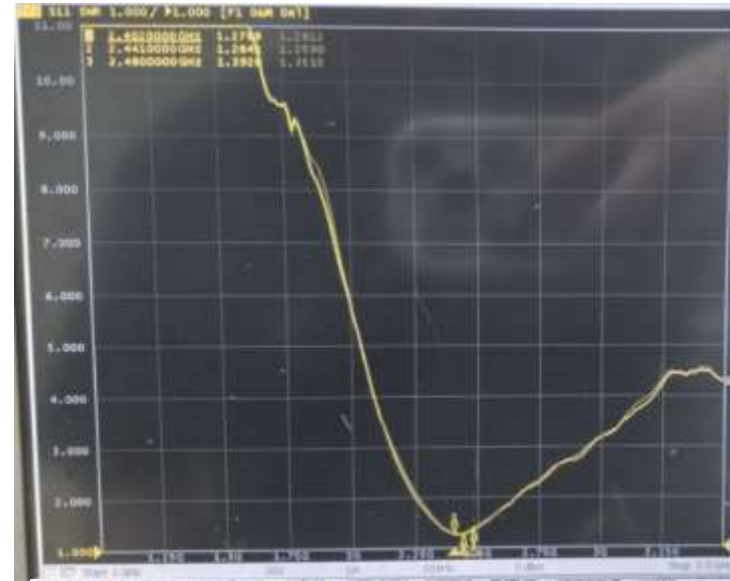
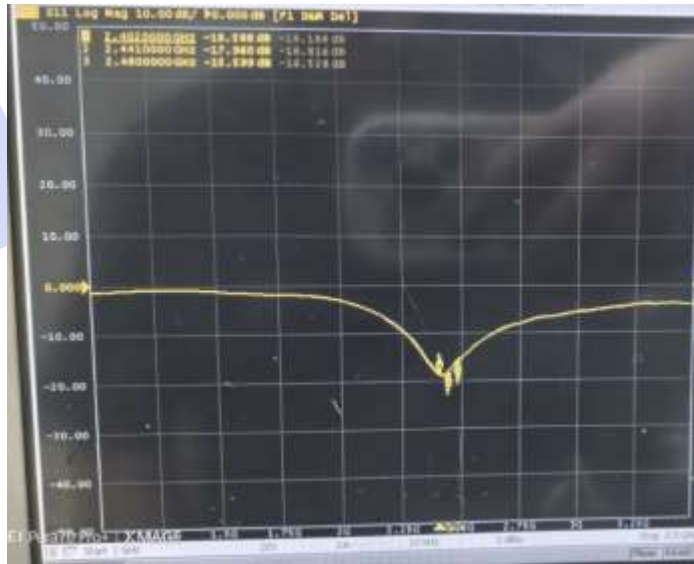
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & HP 8753
OTA Test	TRP&TIS	CMW500 & CMW270 ETS& FT SG24
Gain & Efficiency	Gain & Efficiency	ETS&FT SG24 Agilent 5071C



Test Result

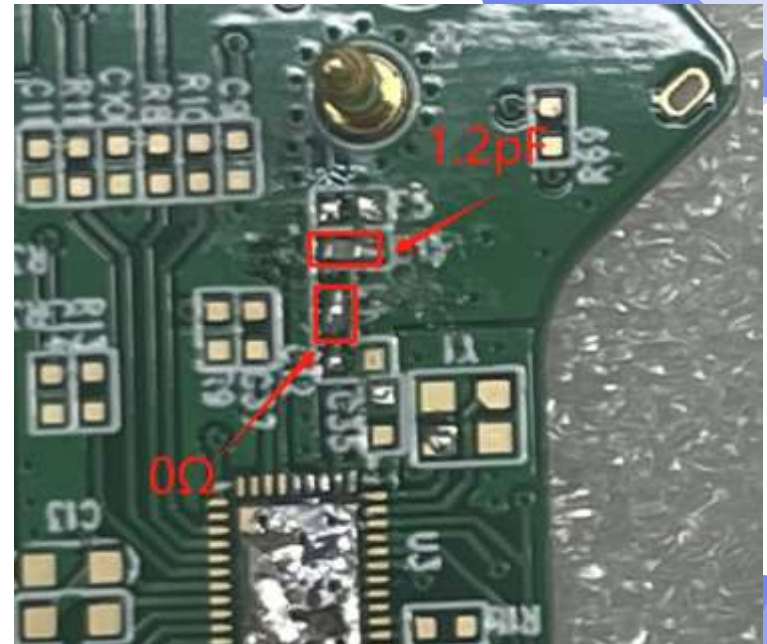
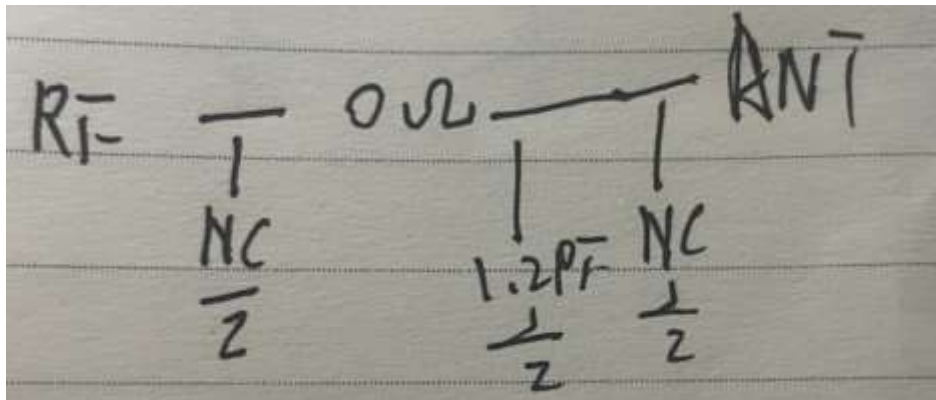
Sample status & coordinates



S11

Frequency (MHz)	2400	2450	2500
Smith	47.22	49.85	50.27
Log mag	-18.58	-17.96	-15.59
VSWR	1.27	1.28	1.39

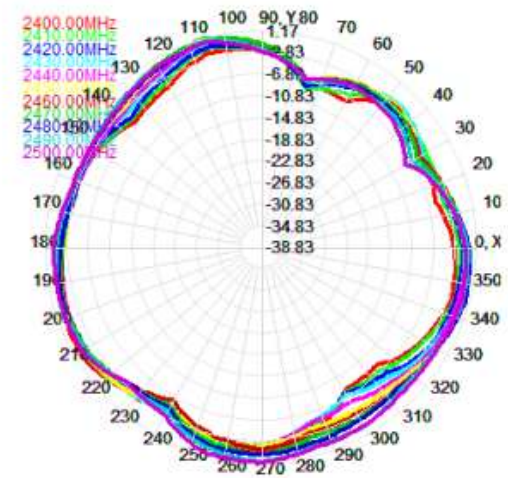
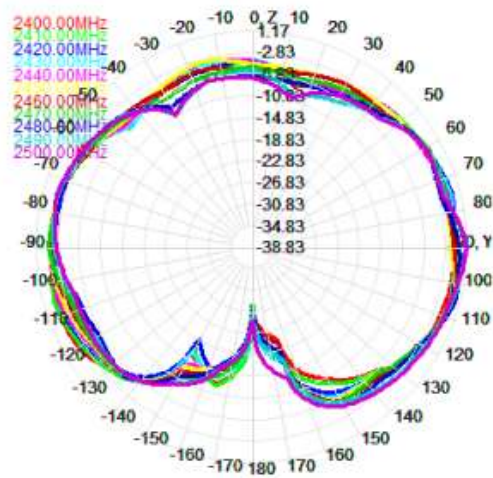
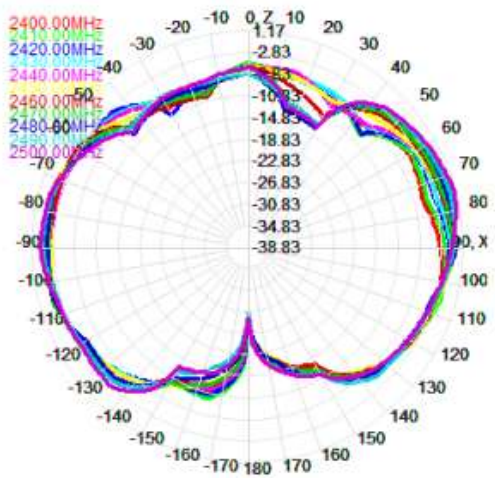
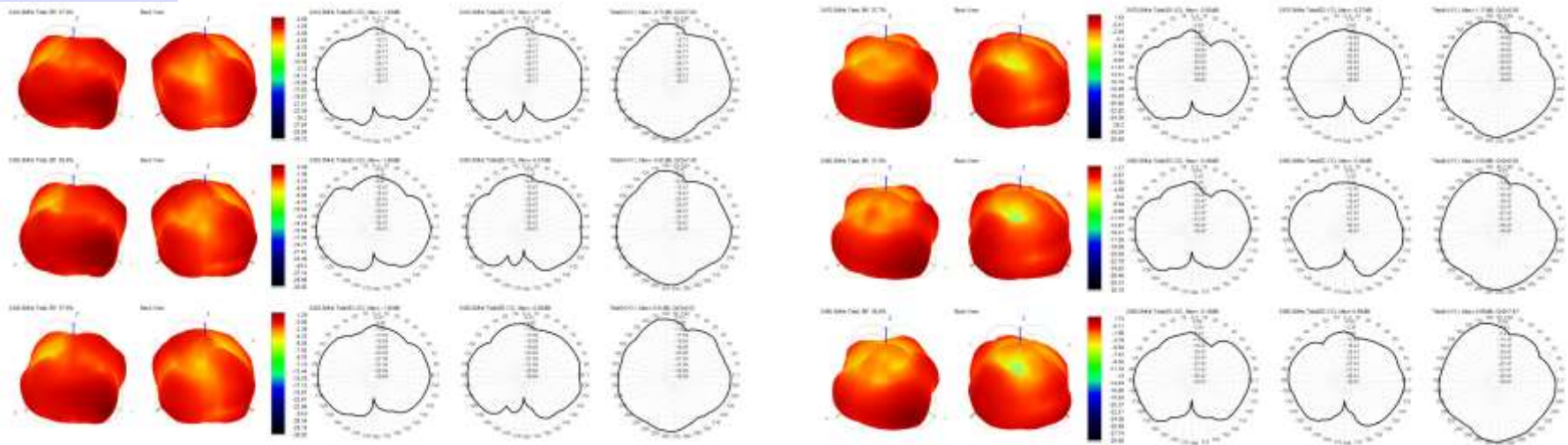
Match network parameters



Suggest using Murata brand high-precision capacitors, resistors, and inductors, The packaging specification is 0402

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	35.6	1.1
2410	36.9	1.4
2420	37.3	1.2
2430	37.5	1.3
2440	37.6	1.4
2450	37.8	1.4
2460	37.8	1.2
2470	38	1.4
2480	37.8	1.6
2490	37.6	1.5
2500	37.3	1.3

3D Pattern



Thanks for your comment!

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