

# Antenna Specification

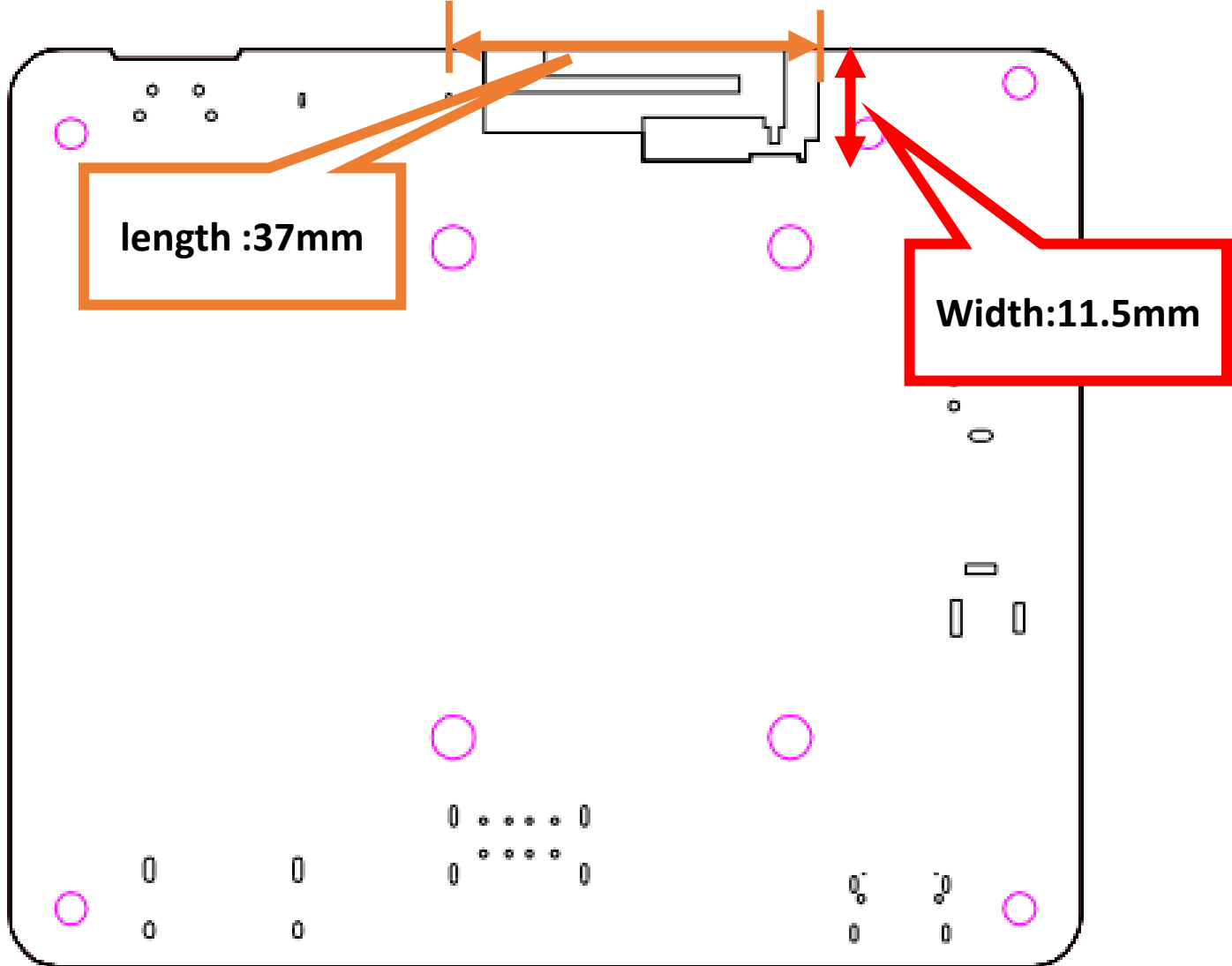
**Antenna Brand : Wistron**  
**Model name : BSPIFAANT**

<b>TEST DATES</b>	2022/7/20
<b>test method</b>	Spherical Near-Field Antenna Measurement
<b>measurement standards</b>	WiFi Antenna testing SPEC.
<b>names of commercial test software being used</b>	WavePro NFC-500S
<b>test site</b>	Wistron B5 Antenna Lab
<b>equipment information</b>	Keysight PNA-L N5239A
<b>test setup up including photos</b>	As next page
<b>names of test personnel</b>	Nick J Chou
<b>Antenna Type</b>	PIFA
<b>Antenna Brand &amp; Model</b>	BSPIFAANT
<b>Antenna manufacturer's company address</b>	21F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 221 , Taiwan (R.O.C.)

# Test site



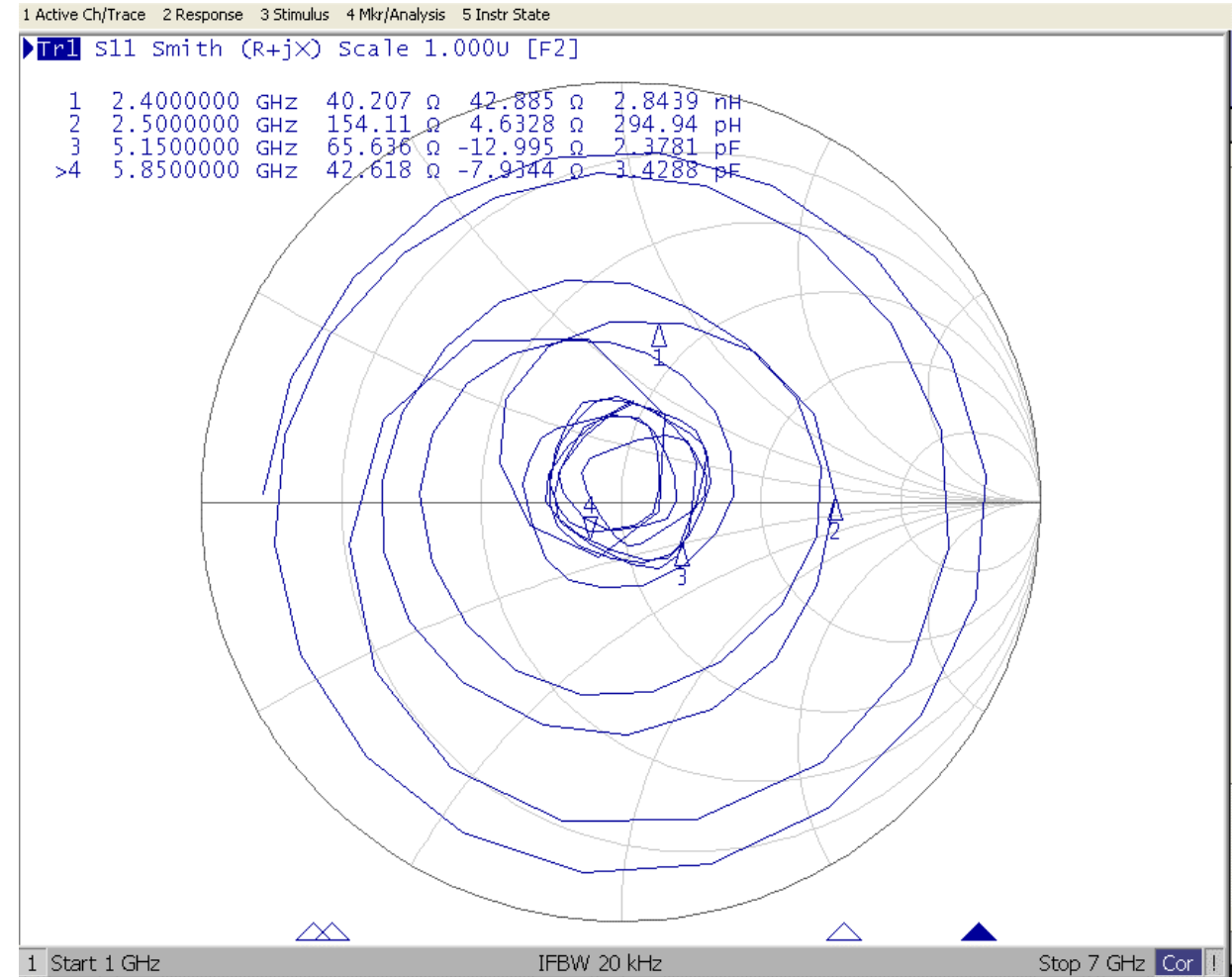
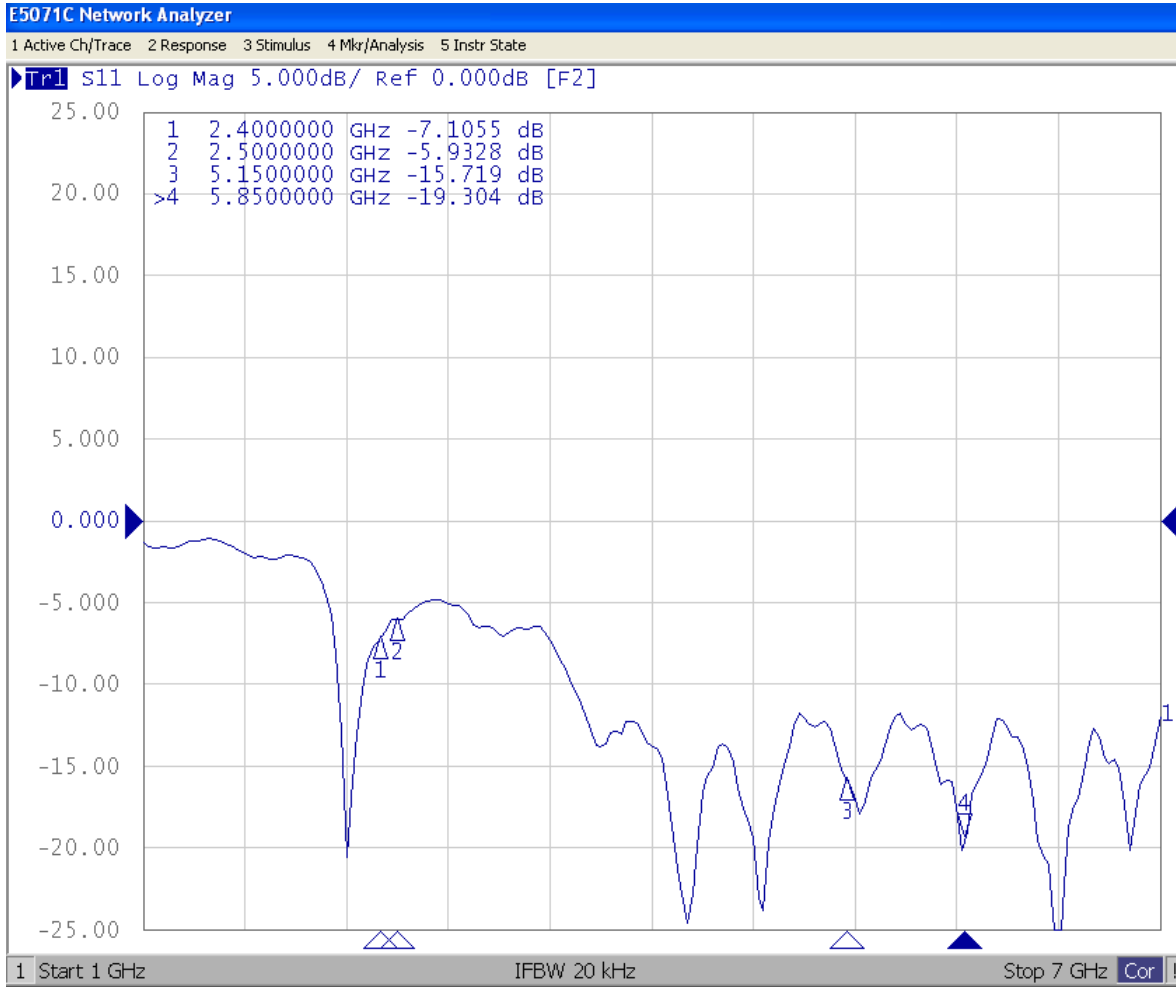
# Antenna Dimension



# Antenna efficiency testing result

Frequency(GHz)	Peak Gain(dBi)	AUT Efficiency(%)	AUT Efficiency(dB)
2.4	1.41	42	-3.82
2.412	1.61	43	-3.69
2.437	2.02	49	-3.14
2.442	2.03	50	-3.02
2.45	2.34	52	-2.85
2.462	2.2	53	-2.74
2.484	2.74	61	-2.11
2.5	2.73	64	-1.91

# Antenna return loss & Smith Chart

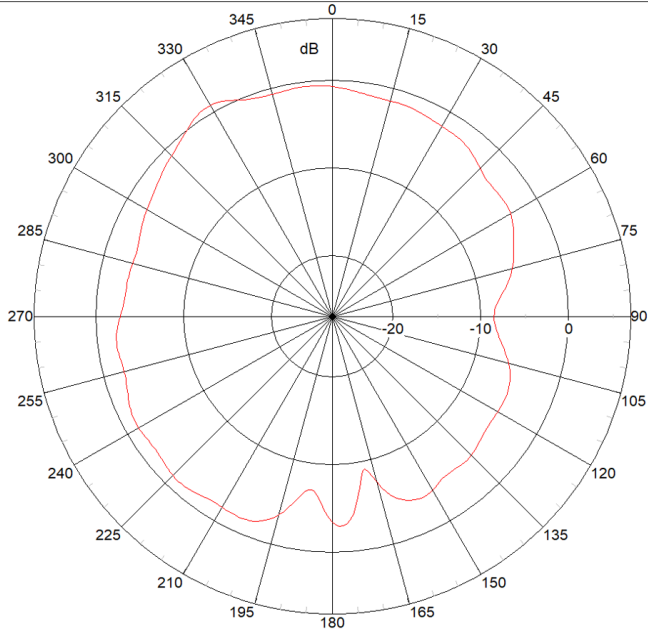


# Radiation Pattern of 2.45GHz Antenna

2.45GHZ

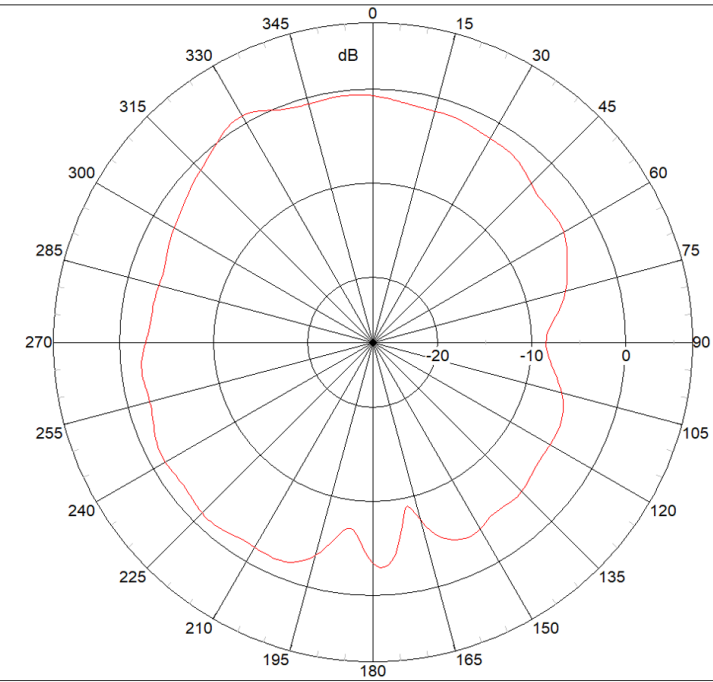
Far-field amplitude of 22-12-12-13-42-37-ander x.nsi

XY



Far-field amplitude of 22-12-12-13-42-37-ander x.nsi

XZ



Far-field amplitude of 22-12-12-13-42-37-ander x.nsi

YZ

