



Product Name: S700 P/X

2020.07.27

Brand:

No:

Test Item:

1. BT antenna gain and polar plots

Test Method and condition:

Return Loss

VSWR

Judgment:

Check the antenna performance by Network Analyzers

Test Equipment & Software:

1. Network Analyzers Agilent E5071C

Test units

1. BT PCB antenna

Configuration:

Antenna Performance

Test Result:

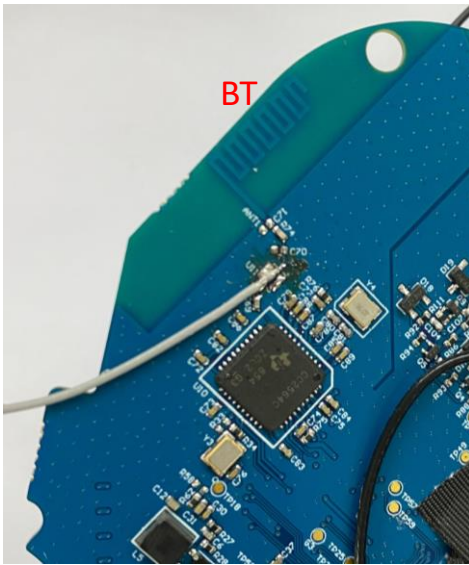
REF

Conclusion:

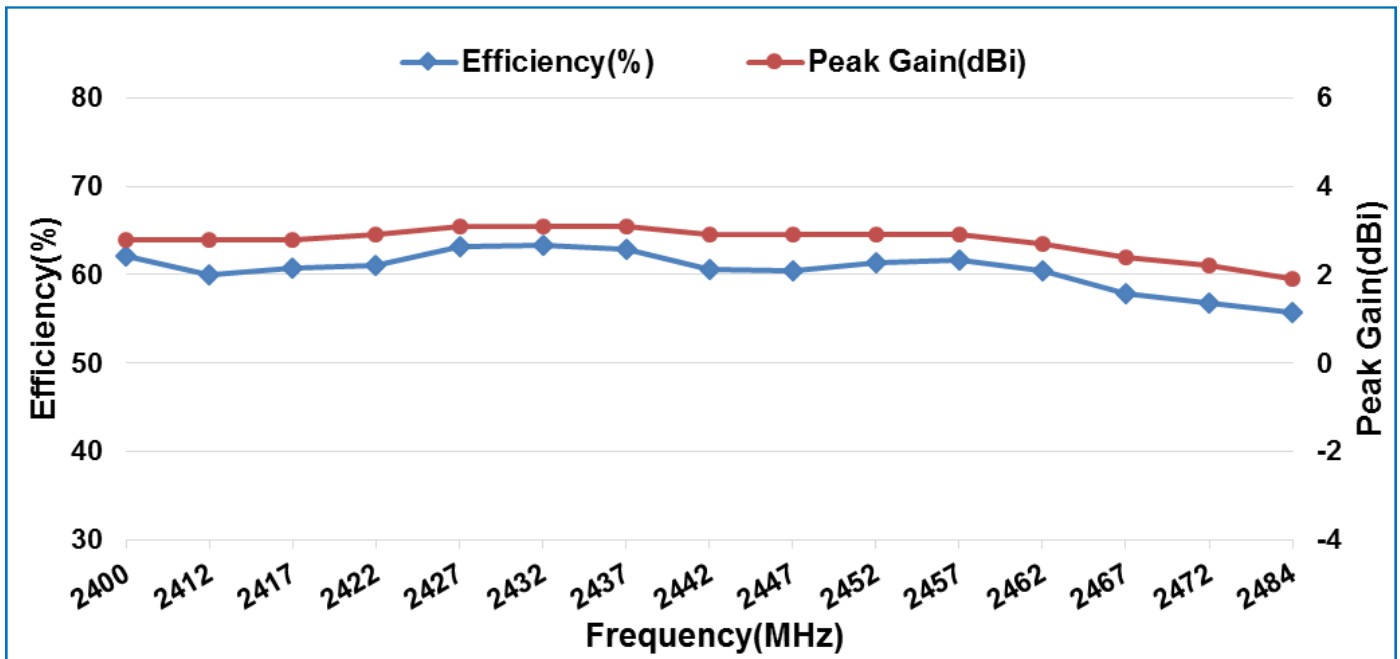
For R&D Reference

Approved by	Checked by	Tested by
		Rebb Chiou

➤ Placement of BT PCB antenna



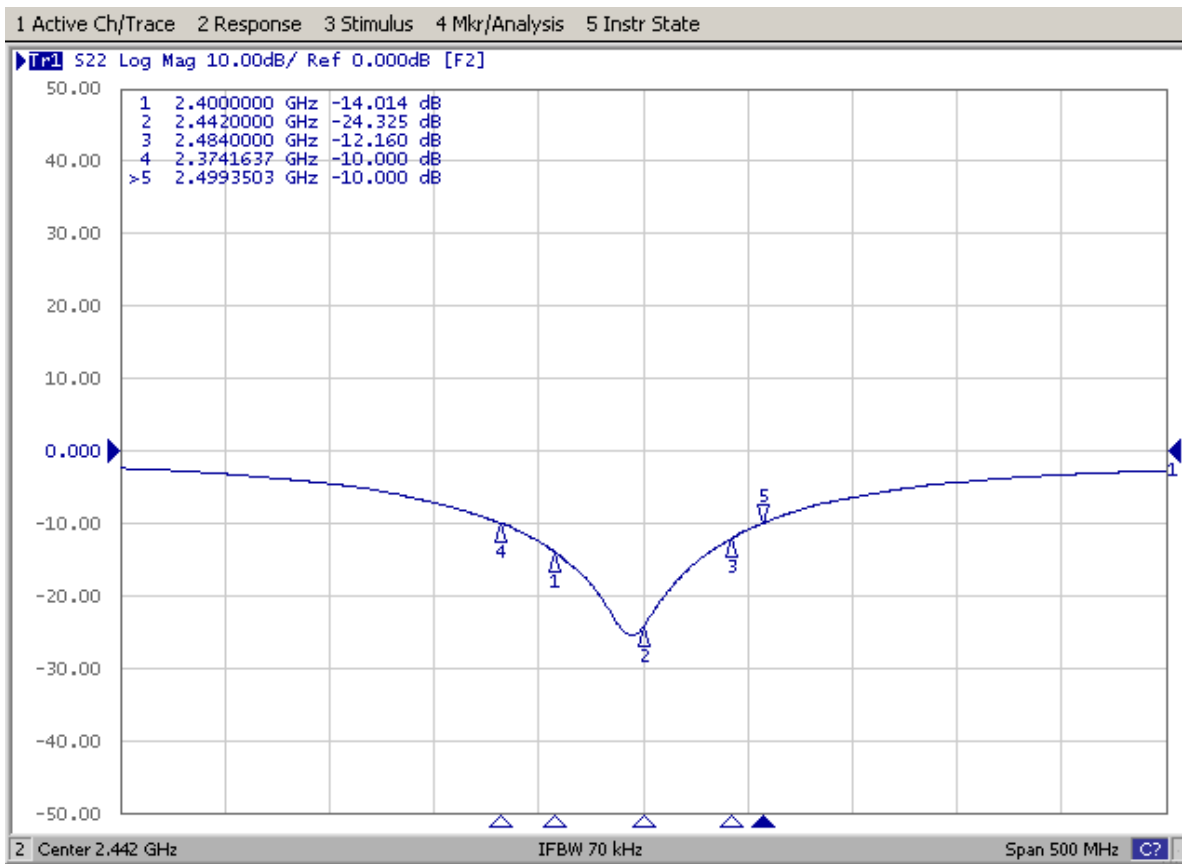
➤ Efficiency and Frequency



Frequency (MHz)	2400	2412	2417	2422	2427	2432	2437	2442	2447	2452	2457	2462	2467	2472	2484
Efficiency (dB)	-2.1	-2.2	-2.2	-2.1	-2.0	-2.0	-2.0	-2.2	-2.2	-2.1	-2.1	-2.2	-2.4	-2.5	-2.5
Efficiency (%)	62.1	60.0	60.7	61.1	63.2	63.4	62.9	60.6	60.5	61.3	61.6	60.5	57.9	56.8	55.8
Peak Gain (dBi)	2.8	2.8	2.8	2.9	3.1	3.1	3.1	2.9	2.9	2.9	2.9	2.7	2.4	2.2	1.9

➤ S-parameters and 3D Gain Pattern

a. S-parameters



b. 3D Gain Pattern

