

Submitted and Identified Information

Client: Brian Signorelli
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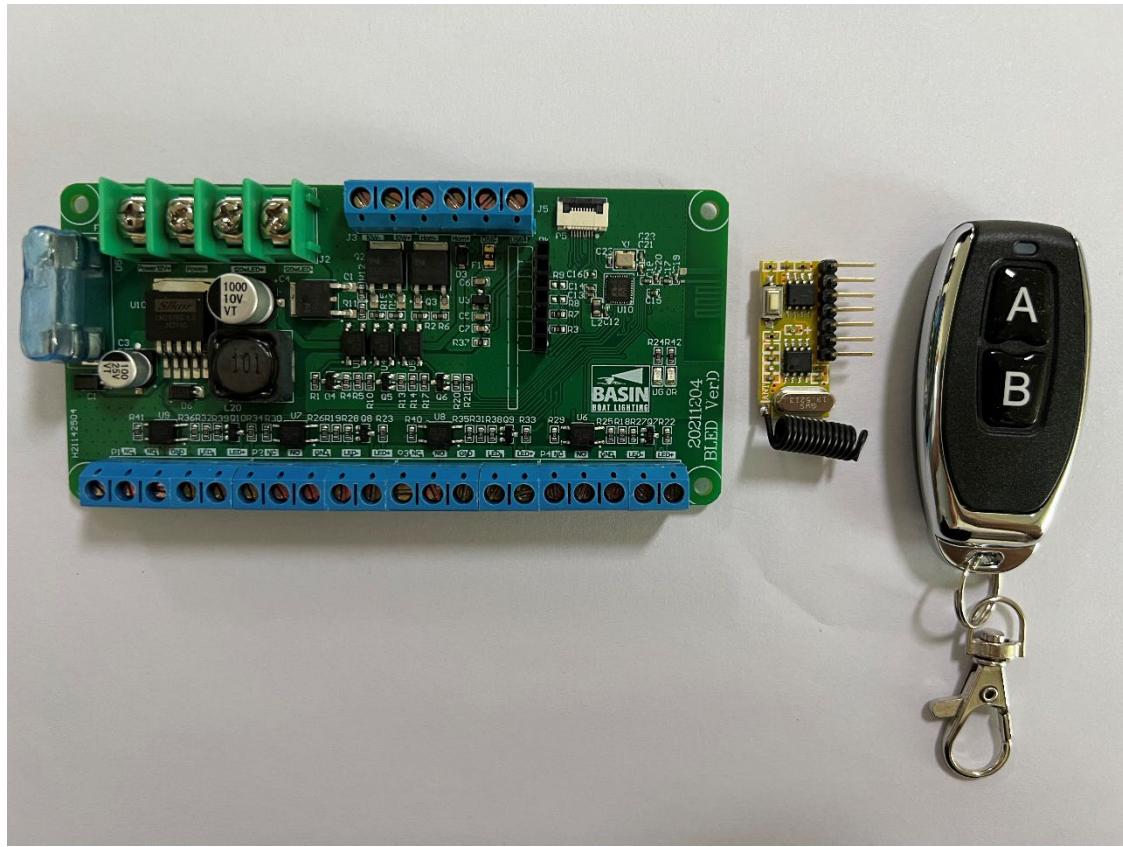
Sample description: PCB Antenna
Frequency Range 2402 MHz - 2480 MHz
Dimensions 6.7 mm * 12.8 mm

<u>Requirement</u>	<u>Standard</u>	<u>Result</u>
Submitted sample	Antenna Specification as Client Request	Report data only
	VSWR	Report data only
	Gain and Efficiency	Report data only
	Radiation Pattern	Report data only

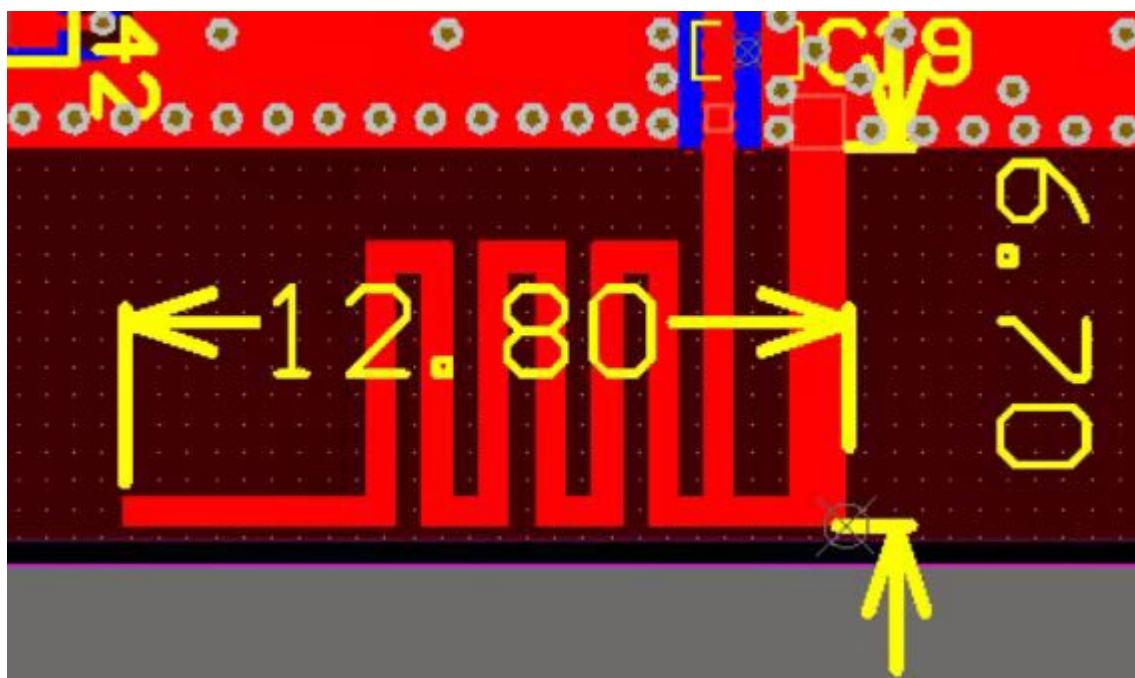
Laboratory Conduct

Received date:	May. 9, 2023	Test period:	May. 9, 2023 to May. 16, 2023
Technology:	Steven@newpath.com.cn +86.17798587392	Approved by:	
Billing:	Anna@newpath.com.cn +86.17798587365		Amy Wang /Authorized Signatory, Laboratory Manager

refer to following pages for test details and appropriate notes

Picture of Sample as Received

Size in mm



1. VSWR

Test Frequency (MHz)	VSWR
2402	1.138:1
2410	1.214:1
2450	1.196:1
2480	1.081:1
Maximum test values	1.214:1

2. Gain and Efficiency

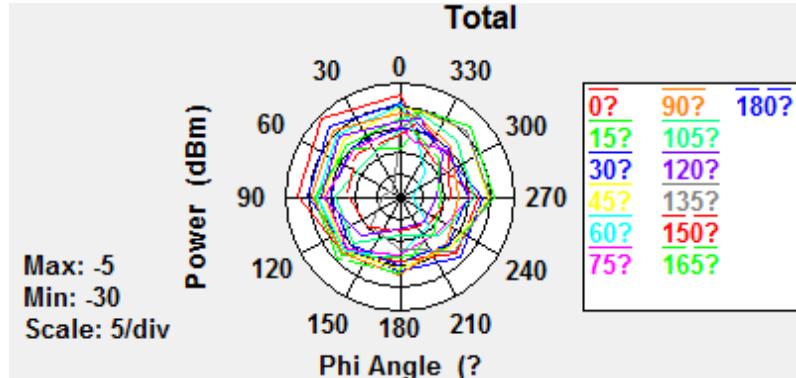
Test Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
2400	-4.331	37.230	1.554
2410	-4.269	37.766	1.450
2420	-4.454	36.188	1.170
2430	-4.321	37.320	1.298
2440	-3.899	41.130	1.744
2450	-3.723	42.834	2.052
2460	-3.787	42.209	2.017
2470	-4.058	39.652	1.774
2480	-3.760	42.472	2.098
2490	-3.602	44.055	2.449
2500	-3.384	46.320	2.853
Maximum test values	-3.384	46.320%	2.853dBi

3. Radiation Pattern

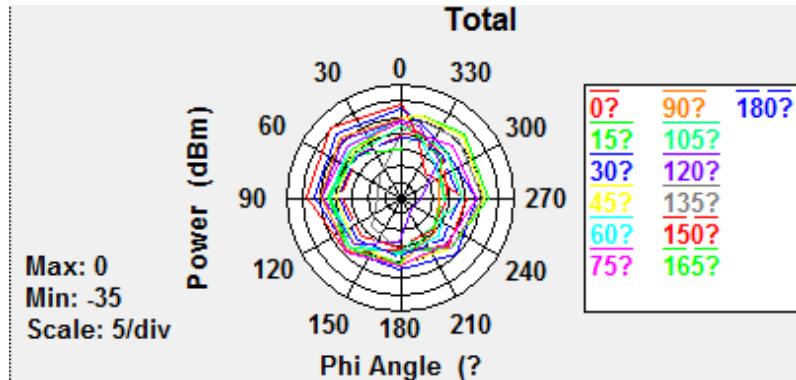
3.1. 2D POLAR RADIATION PATTERN

Frequencies Patterns

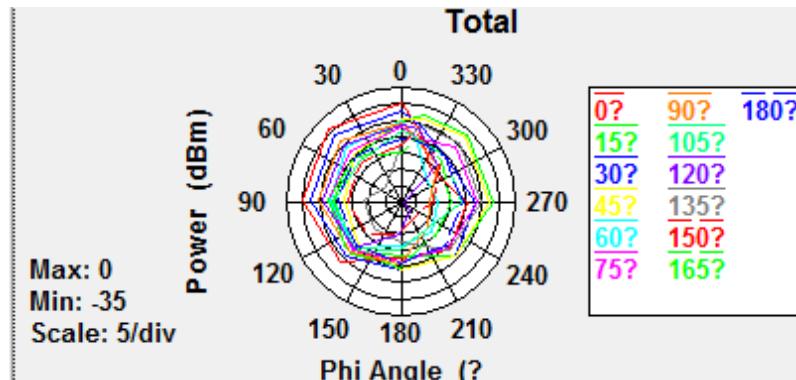
2400 MHZ



2450 MHZ



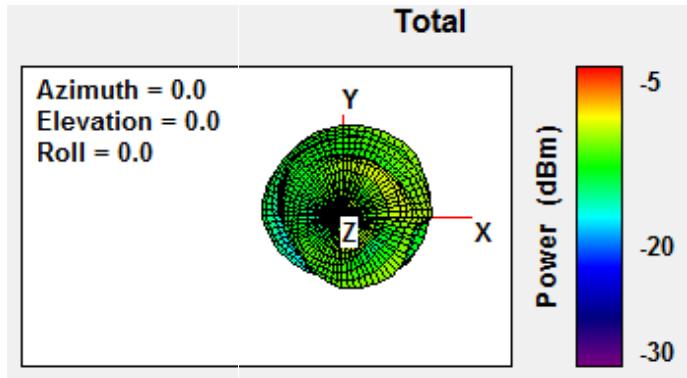
2500 MHZ



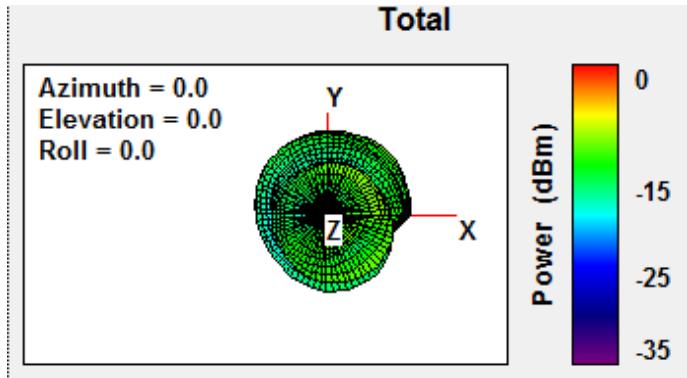
3.2. 3D RADIATION PATTERN

Frequencies Patterns

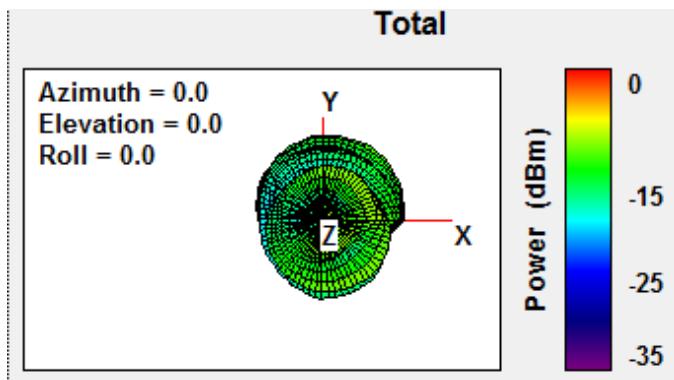
2400 MHz



2450 MHz



2500 MHz

*****End of Report*****

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