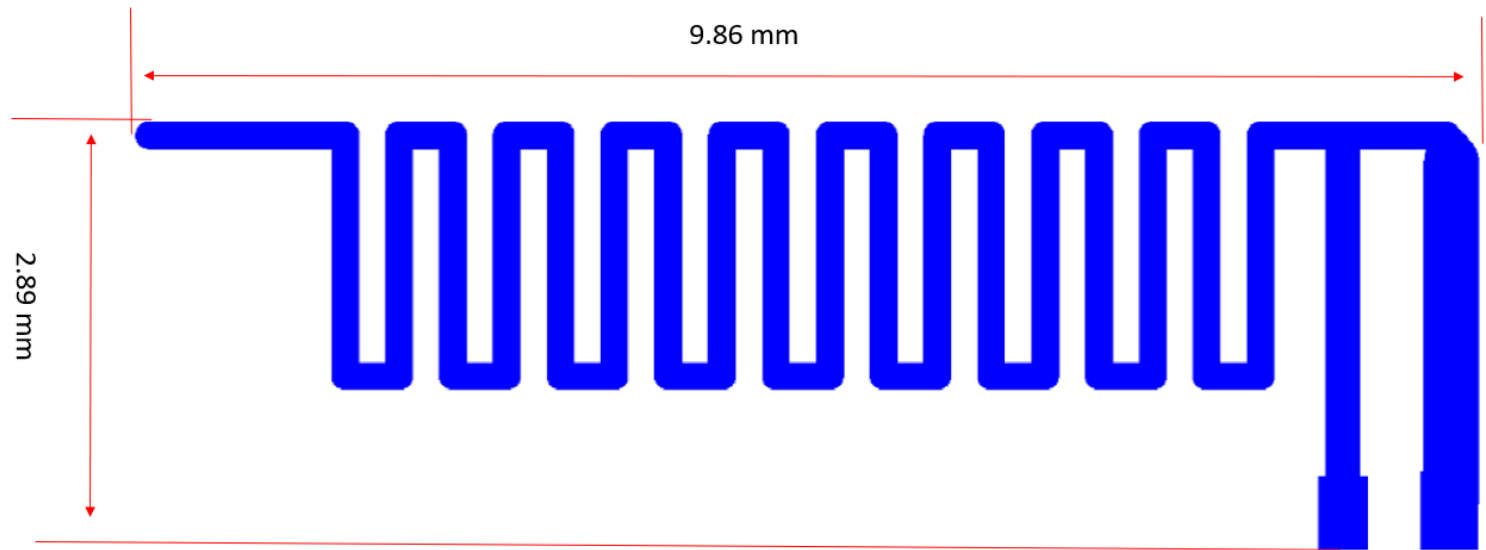


Shenzhen Sperll Optoelectronic Technology Co., Ltd.

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Antenna specification

			RBX		2022. 10. 10
RF Engineer	Wang Jiaxi	Structural engineer	Zhou Lei	Frequency band	2402~2480MHz

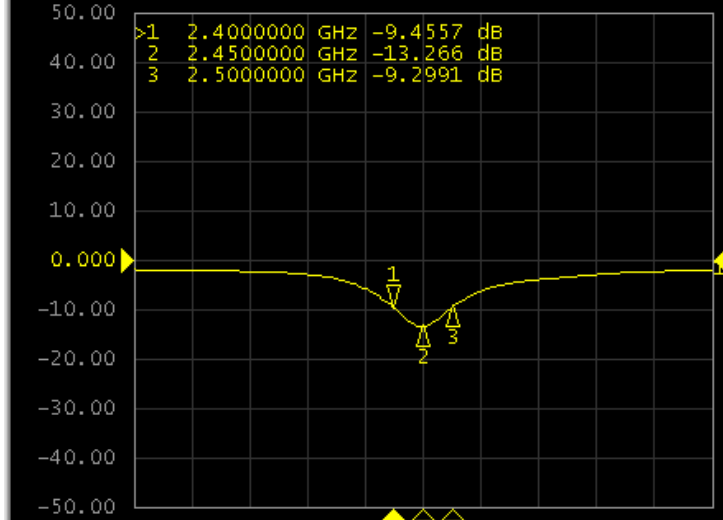


E5071C Network Analyzer

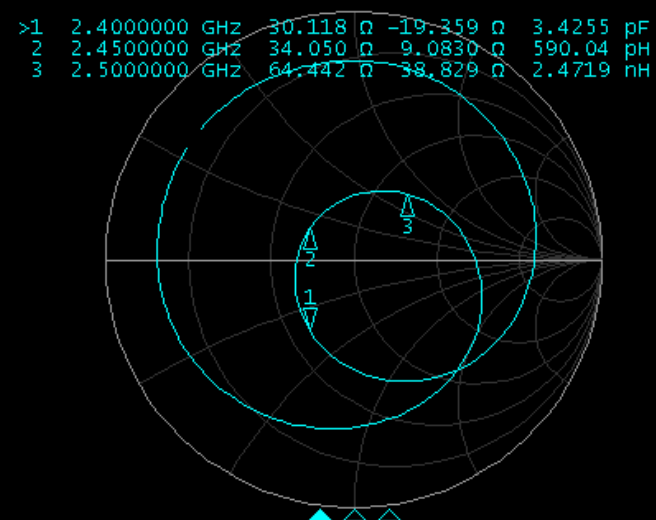
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize

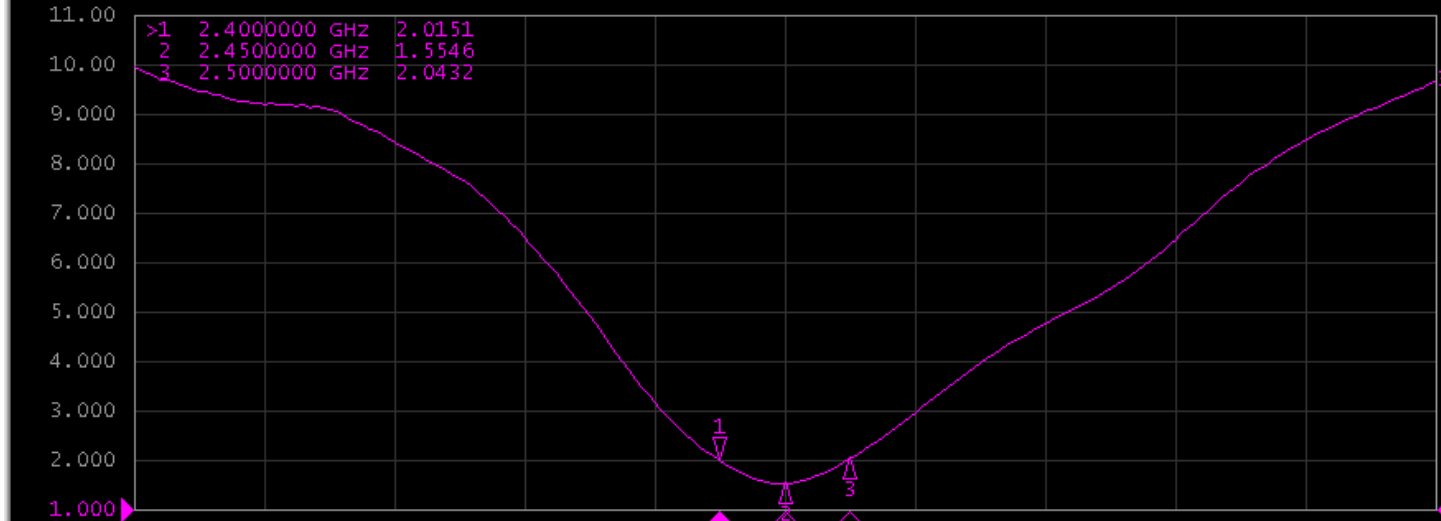
Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [F1]



Tr2 S11 Smith (R+jX) Scale 1.000U [F1]



Tr3 S11 SWR 1.000/ Ref 1.000 [F1]



1 Center 2.45 GHz

IFBW 70 kHz

Span 1 GHz Cor |

Format

SWR

Log Mag

Phase

Group Delay

Smith

Polar

Lin Mag

SWR

Real

Imaginary

Expand
Phase

Positive
Phase

Return

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-8.42	-8.38	-8.34	-8.53	-8.62	-8.77	-8.84	-8.85	-8.79	-9.20	-9.53
Gain (dBi)	-3.45	-3.48	-3.46	-3.64	-3.69	-3.76	-3.88	-4.12	-4.36	-4.91	-5.01
Efficiency (%)	14.39	14.53	14.66	14.02	13.73	13.28	13.08	13.04	13.20	12.03	11.15
Directivity (dB)	4.97	4.89	4.88	4.90	4.93	5.01	4.96	4.72	4.43	4.29	4.52
Peak Gain Position (Theta)	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	97.00	97.00
Peak Gain Position (Phi)	332.00	333.00	333.00	332.00	333.00	334.00	337.00	338.00	338.00	336.00	333.00
Efficiency ThetaPol (%)	10.97	11.11	11.19	10.72	10.46	10.09	9.97	9.73	9.69	8.73	8.28
Efficiency PhiPol (%)	3.42	3.42	3.47	3.29	3.27	3.19	3.11	3.30	3.52	3.29	2.87
Upper Hem. Efficiency (%)	7.29	7.47	7.60	7.30	7.17	6.89	6.64	6.50	6.54	5.92	5.52
Lower Hem. Efficiency (%)	7.10	7.06	7.05	6.71	6.56	6.39	6.44	6.54	6.66	6.11	5.63

VER7[illegible]

Gain effect diagram

