

G630T Printed antenna specifications sheet

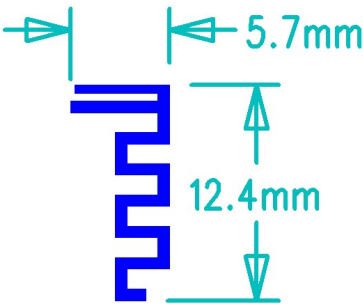
一、 Design specifications:

Frequency band	2.412~2.482GHz
Antenna radiation efficiency	>30%
Gain	1.12dBi
Isolation level	-10dB

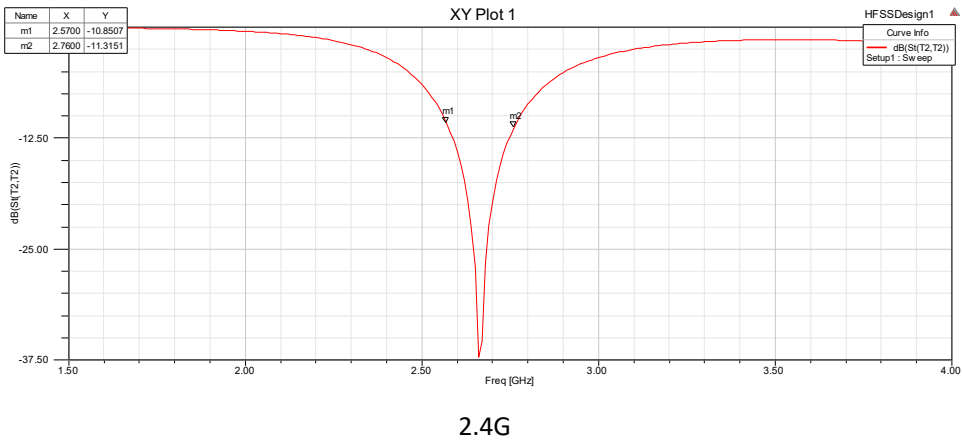
二、 Antenna design specifications

Given the product’s operating environment and design constraints, a planar IFA antenna with near-omnidirectional characteristics is employed. Simulations are conducted using HFSS.。

1. Design specifications.



2. S parameter



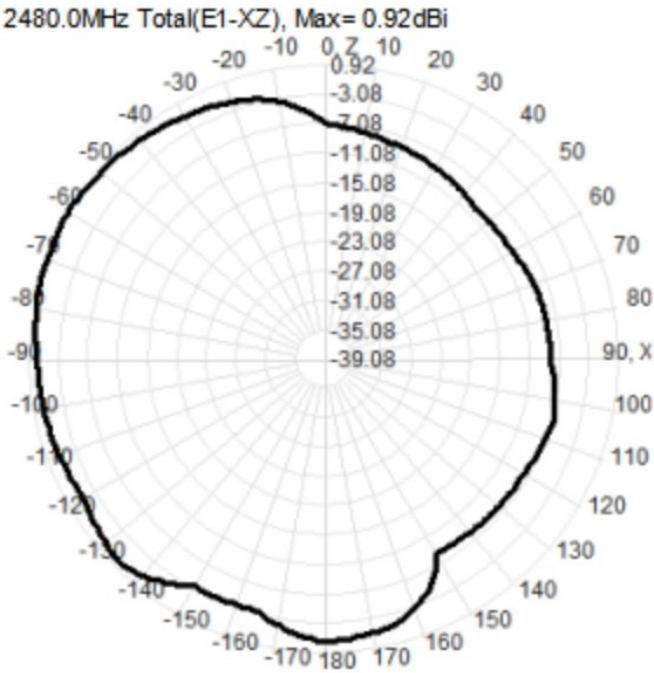
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3. 辐射增益和效率

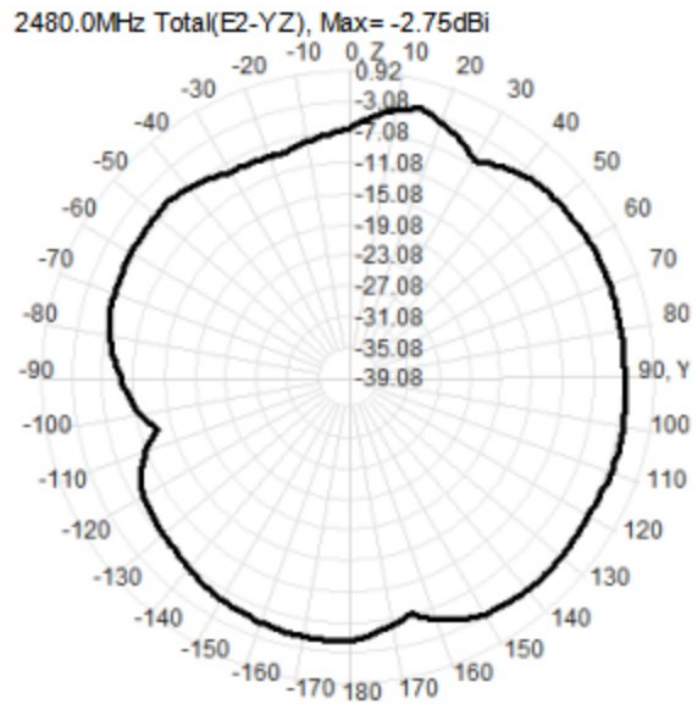
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400	-4.62	0.06	34.53
2410	-4.25	0.49	37.54
2420	-4.07	0.81	39.20
2430	-4.02	0.96	39.62
2440	-3.99	1.07	39.93
2450	-3.96	1.06	40.21
2460	-3.77	1.12	42.01
2470	-4.00	1.05	39.81
2480	-4.27	0.92	37.44
2490	-4.32	0.91	37.01
2500	-4.53	0.63	35.25

4. 辐射图

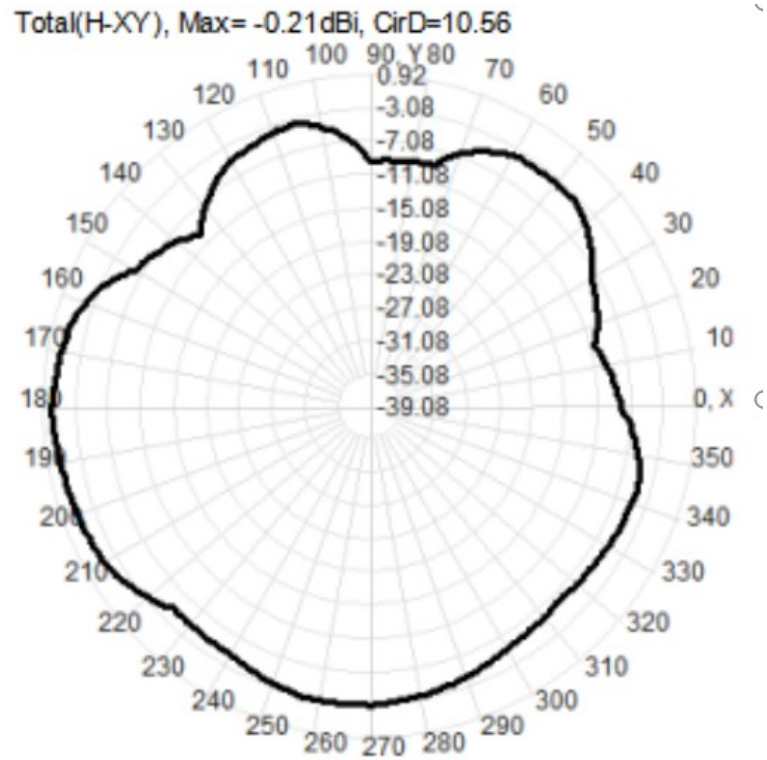
2480MHz Phi 0 2D



2480MHz Phi 90 2D



2480MHz Theta 90 2D



2480.0MHz H+V, Eff: 37.4%

Back View

0.92
-0.92
-2.76
-4.6
-6.45
-8.29
-10.13
-11.97
-13.82
-15.66
-17.5
-19.34
-21.18
-23.03
-24.87
-26.71
-28.55
-30.39

