

HX-CSX192A

Antenna specification

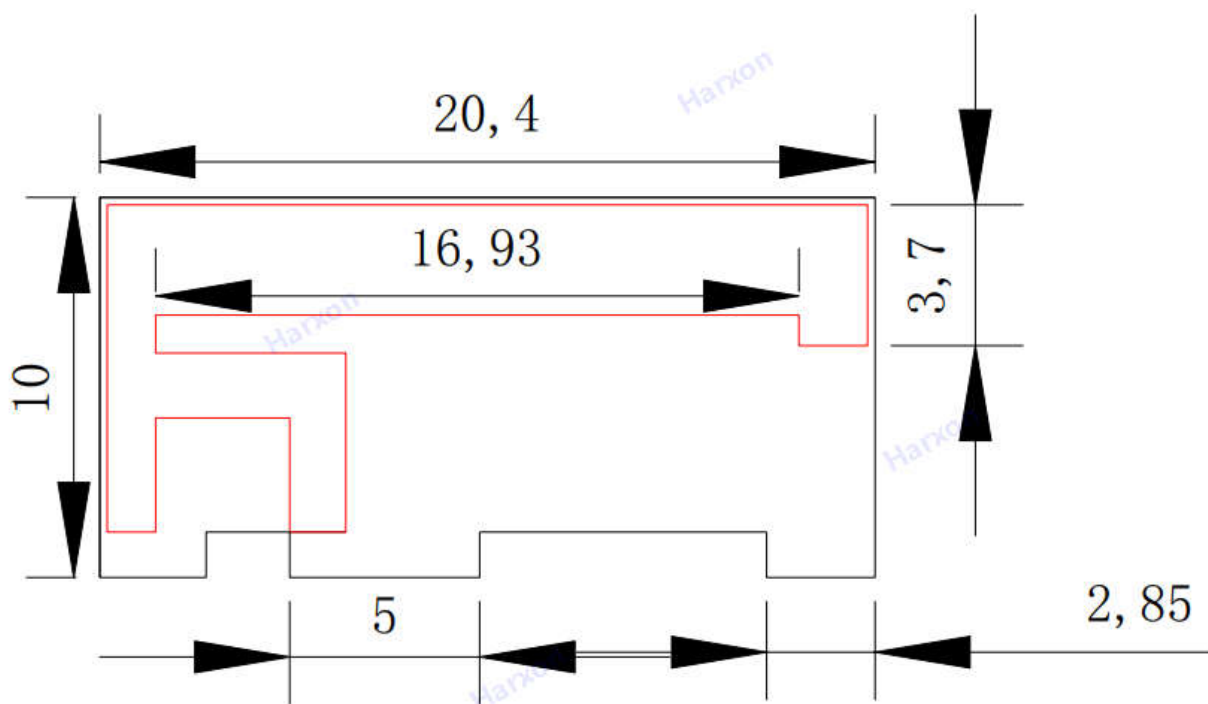
Antenna model: MARB AT V1.0

APPlications

※WIFI Home RF

※2.4GHz applications

1. Dimensions



2. Specifications

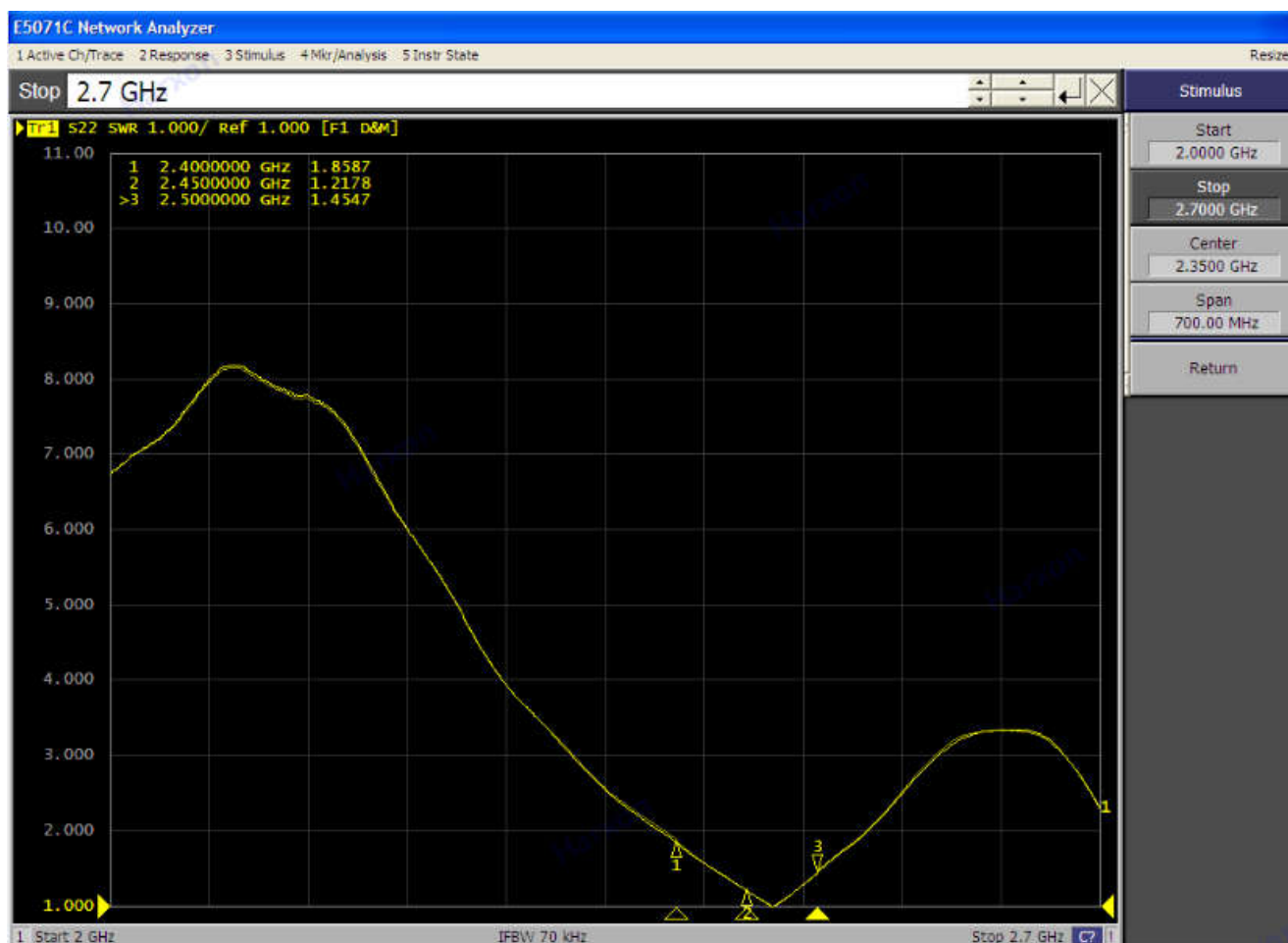
number	Item	Specifications
1	Working Central Frequency	2450 MHz
2	Band Width	(2400-2500)MHz
3	Max. Gain	2dBi
4	VSWR	Resonance point ≤ 2.0
5	Efficiency	50%-61%

6	Polarization	Linear
7	Antenna type	PCB antenna
8	Connector type	SMP-JE-5
9	Impedance	50ohm
10	Operation Temperature	-40° C~+65° C
11	Storage Temperature	-40° C~+80° C

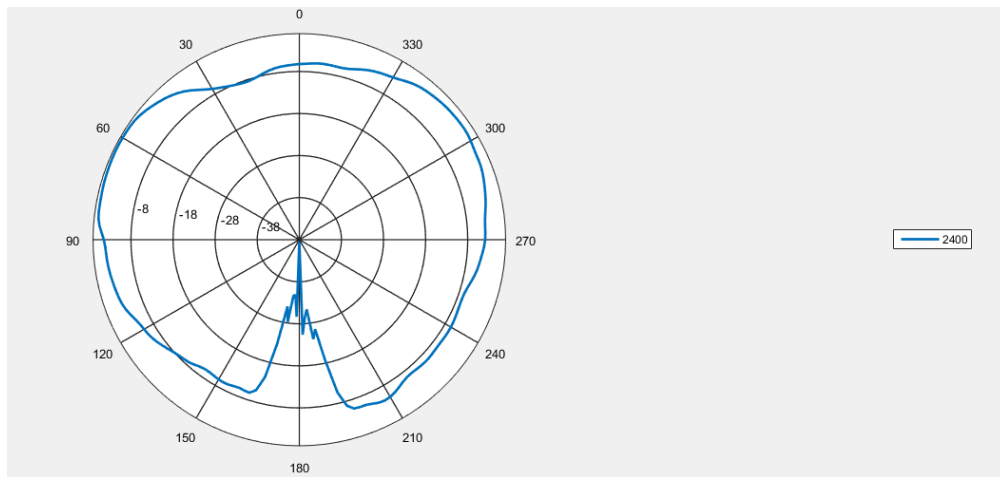
3.simulation parameter

① VSWR

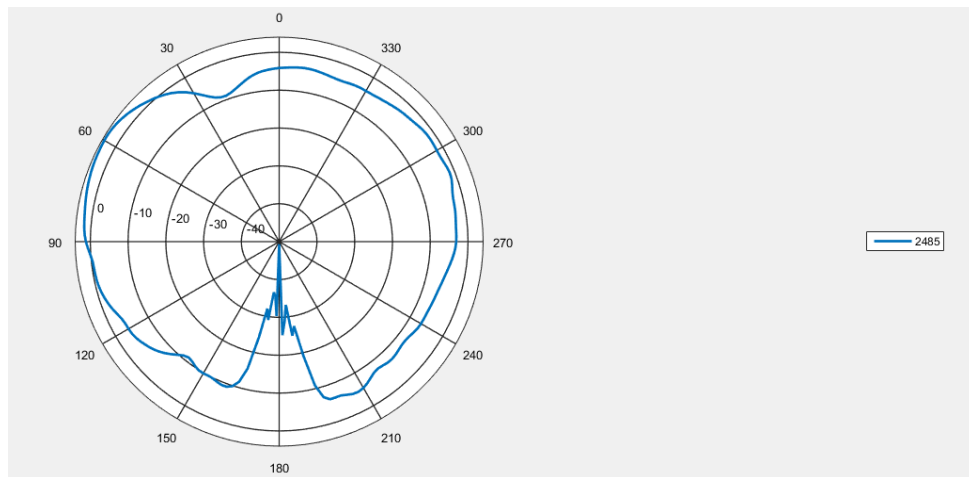
Mkr1: 2400MHz 1.8 Mkr2: 2450MHz 1.2 Mkr3: 2500 MHz 1.4



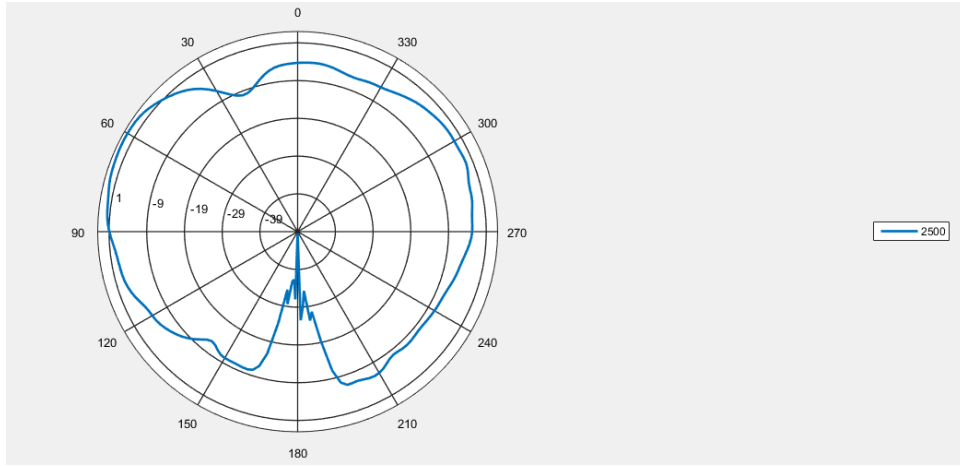
4. Radiation Patterns



2410MHz

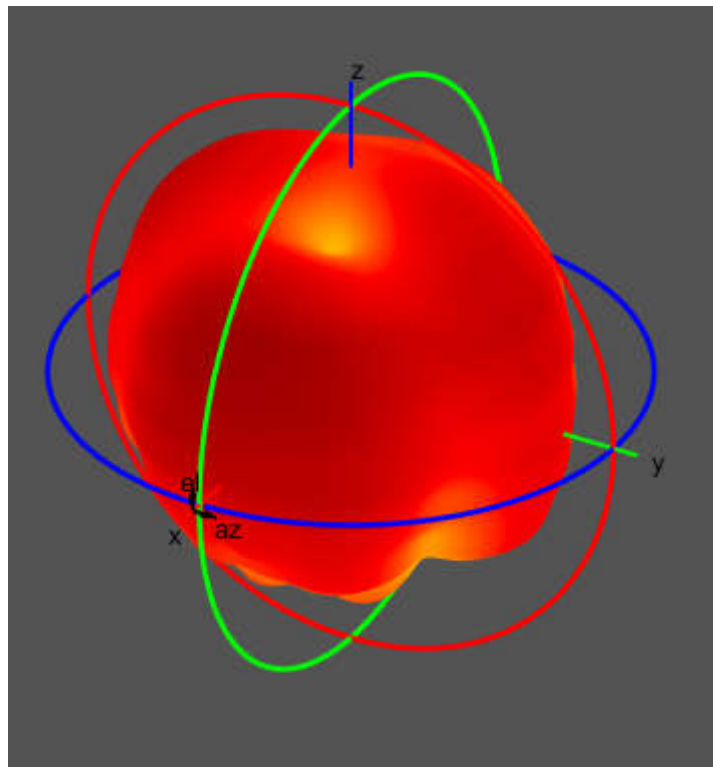


2485MHz



2500MHz

• 3D Radiation pattern



2485MHz

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Frequency	2400	2405	2410	2415	2420	2425	2430	2435	2440
Gain	1.93	2.00	1.91	1.97	1.94	1.92	1.91	1.81	1.80
Efficiency	56.6	59.0	60.5	60.4	60.0	60.4	59.9	59.7	59.9
2445	2450	2455	2460	2465	2470	2475	2480	2485	2490
1.93	2.00	1.99	1.97	2.01	1.98	1.99	1.97	1.97	1.92
59.6	58.7	58.4	58.7	59.0	57.9	57.9	57.2	57.4	56.6
2495	2500								
1.93	1.95								
56.6	55.3								