
SDR Antenna Datasheet

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1.UAV SDR Antenna0 & Antenna1

1.1 Basic Specifications

No.	Specification	Descriptions	Notes
1	Antenna Name	SDR Antenna 0/1	
2	Manufacturer	Kunshan Innowave Communication Technology Co., Ltd.	Address: No. 1689 Zizhu Road, Yushan Town, Kunshan City, Jiangsu Province, China
3	Operation	2.4~2.483GHz; 5.15~5.25GHz;	



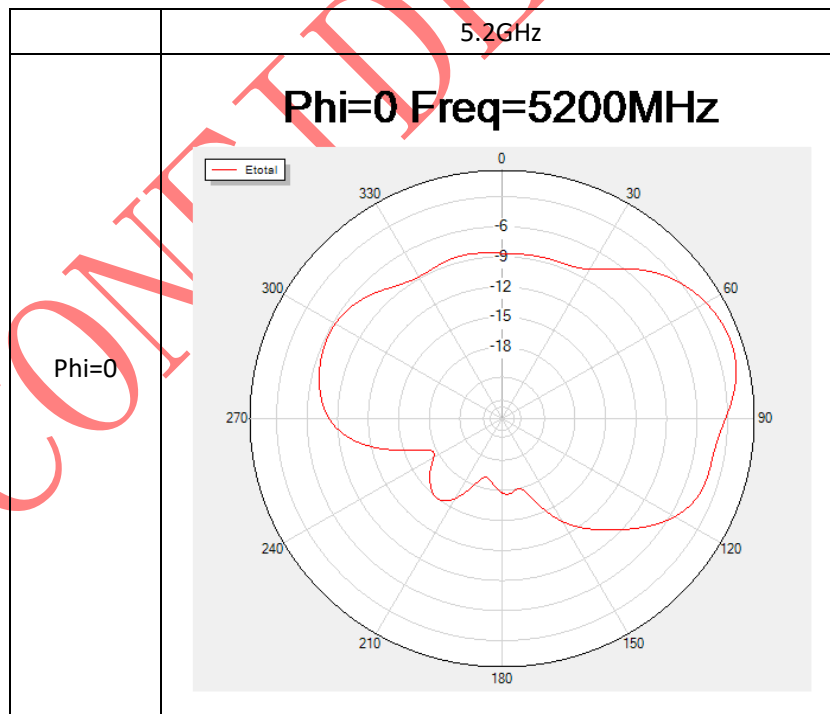
	Frequency	5.725~5.875GHz	
4	Connector Type	IpeXI	
5	Impedance	50ohm	
6	Gain (MAX)	4dBi@2.4~2.483GHz 2.5dBi@5.15~5.25GHz 4.8dBi@5.725~5.875GHz	
7	Efficiency	$\geq 40\%$	
8	VSWR	≤ 2	
9	Antenna Type	Linear polarization Dipole	
10	3dB Beamwidth	Omnidirectional horizon	
11	Weight	1.7g	

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1.2 Gain

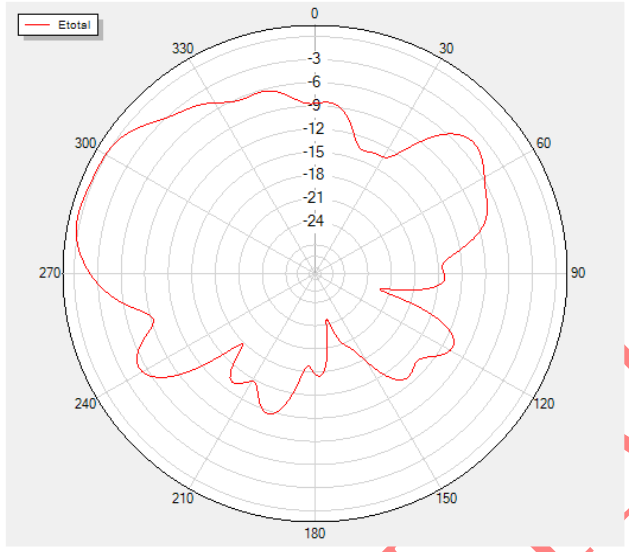
Frequency	E Total. dB(dB)-Ant0	E Total. dB(dB)-Ant1
2400MHz	4.0	4.0
2440MHz	3.9	3.9
2480MHz	3.9	3.9
2500MHz	3.9	3.9
5150MHz	1.9	1.9
5200MHz	2.2	2.2
5250MHz	2.5	2.5
5700MHz	4.2	4.2
5750MHz	4.0	4.0
5800MHz	4.5	4.5
5850MHz	4.8	4.8

1.3 radiation pattern



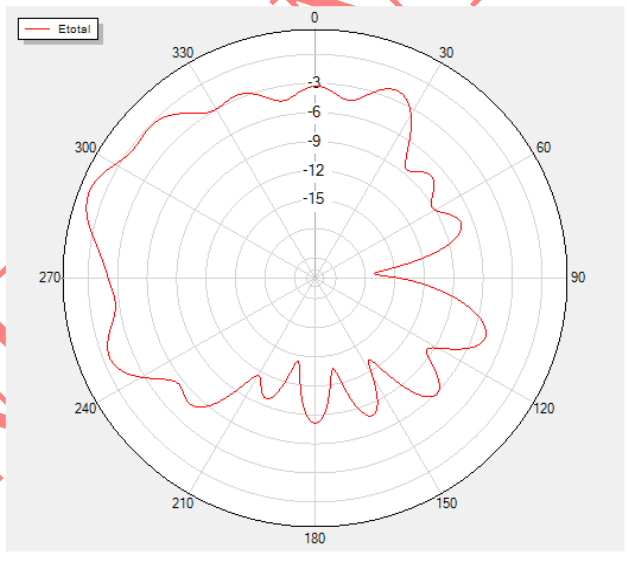
Phi=90 Freq=5200MHz

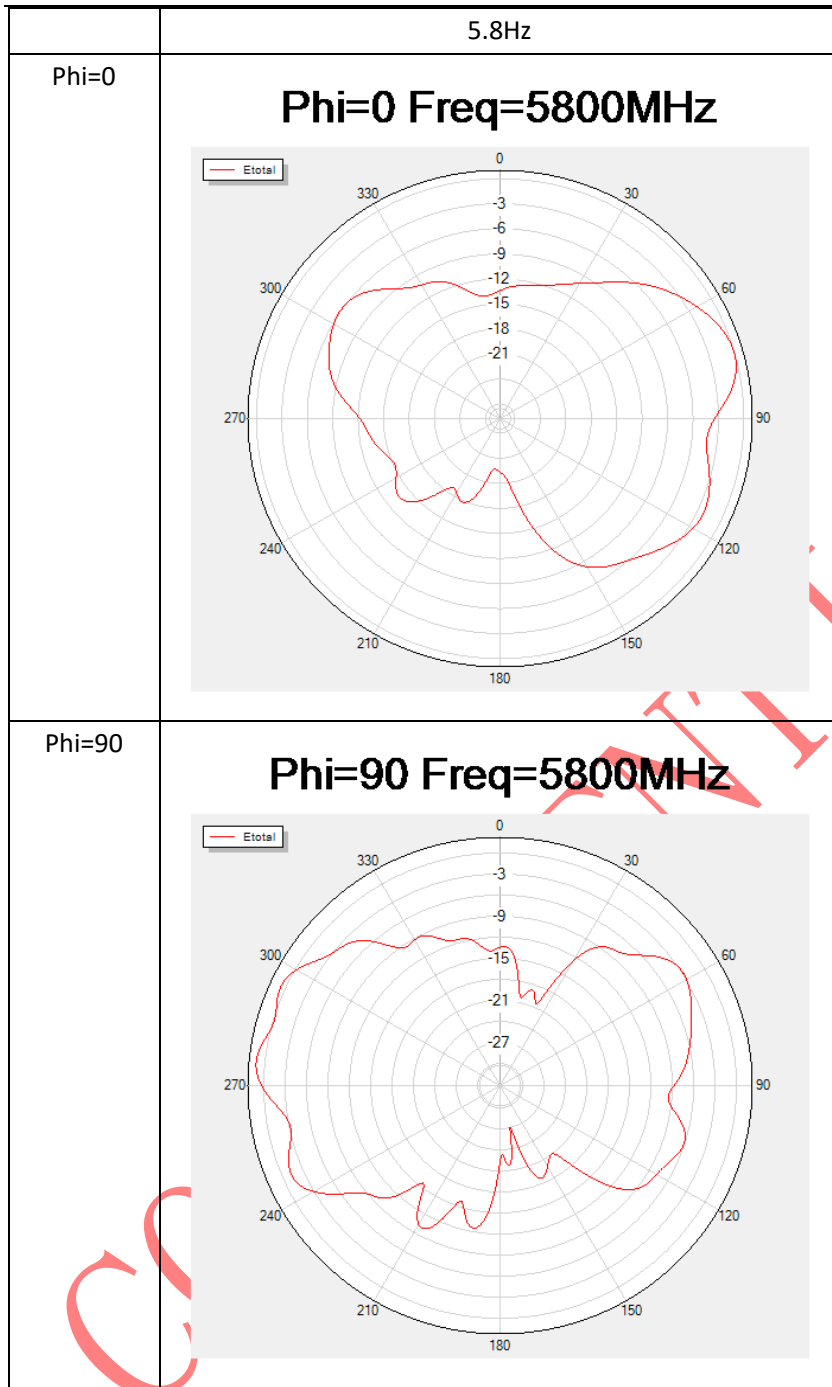
Phi=90



Theta=90 Freq=5200MHz

Theta90

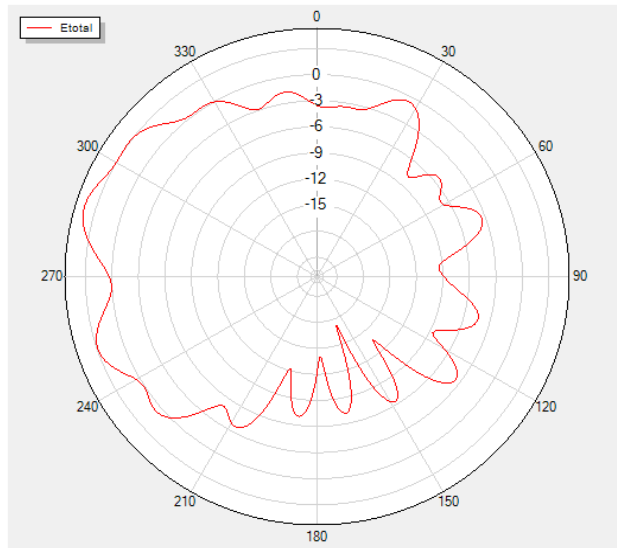




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Theta90

Theta=90 Freq=5800MHz

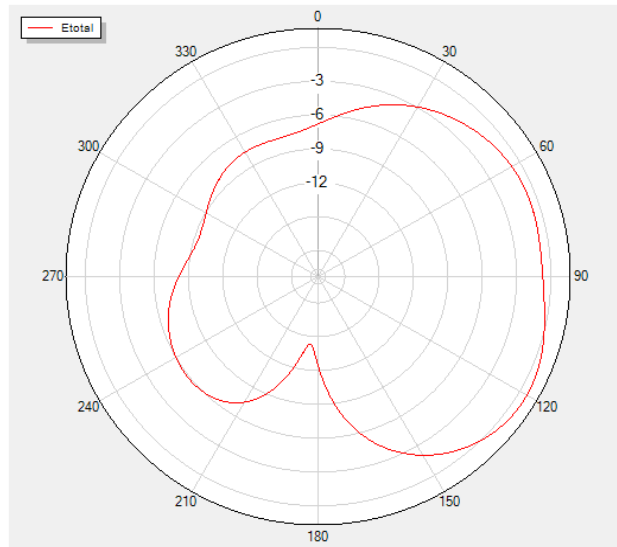


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2.44GHz

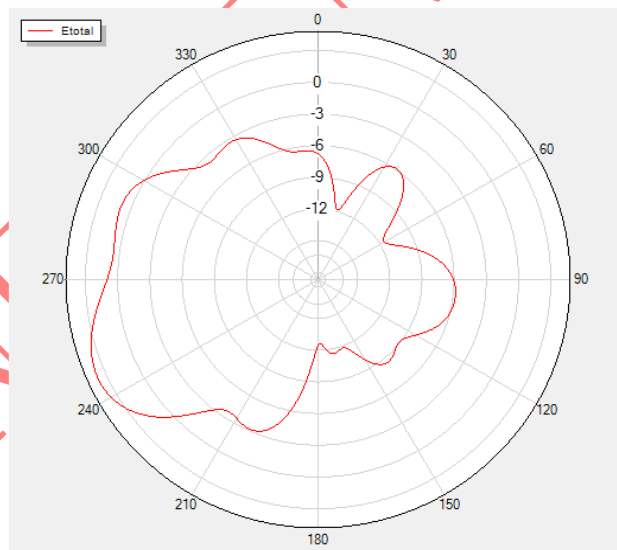
Phi=0

Phi=0 Freq=2440MHz



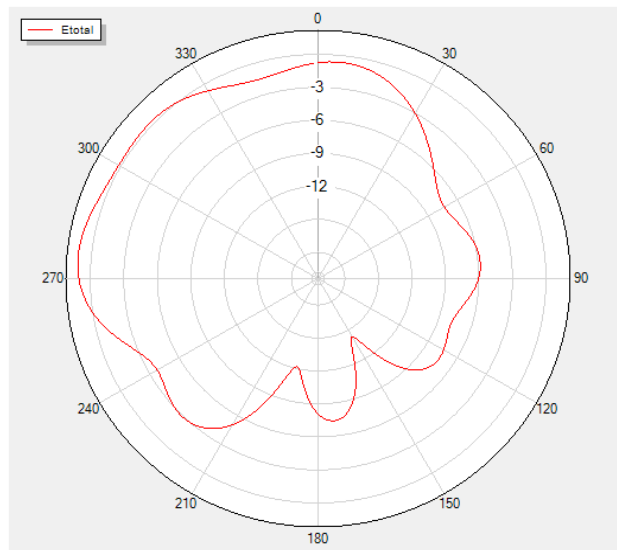
Phi=90

Phi=90 Freq=2440MHz



Theta90

Theta=90 Freq=2440MHz



1.4 Structure drawing

Ant0:

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Ant1:

2.UAV SDR Antenna2

2.1 Basic Specifications

No.	Specification	Descriptions	Notes
1	Antenna Name	SDR Antenna 2	
2	Manufacturer	Kunshan Innowave Communication Technology Co., Ltd.	Address: No. 1689 Zizhu Road, Yushan Town, Kunshan City, Jiangsu Province,



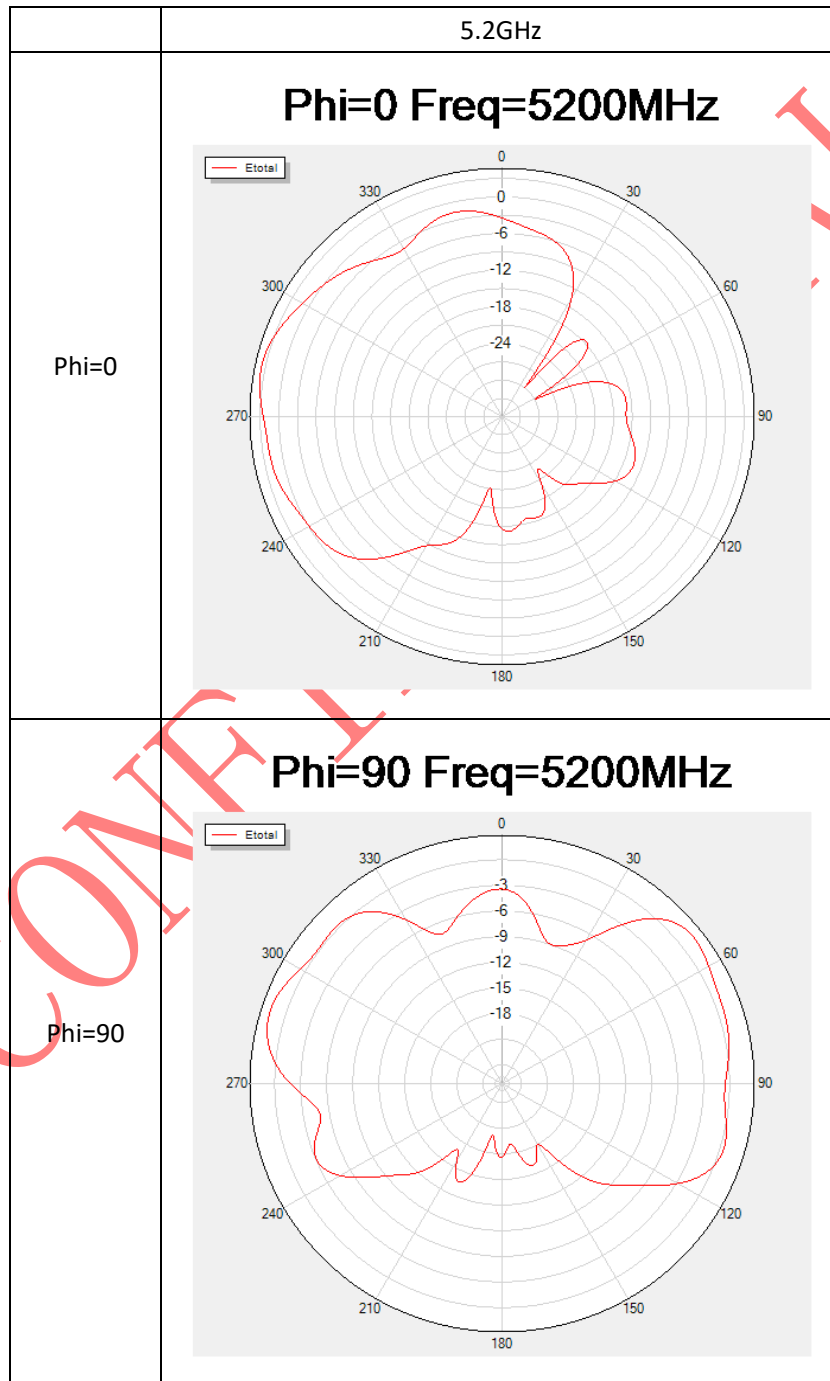
			China
3	Operation Frequency	2.4~2.483GHz; 5.15~5.25GHz; 5.725~5.875GHz	
4	Connector Type	IpeX I	
5	Impedance	50ohm	
6	Gain (MAX)	5.0dBi@2.4~2.483GHz 4.0dBi@5.15~5.25GHz 4.4dBi@5.725~5.875GHz	
7	Efficiency	$\geq 50\%$	
8	VSWR	≤ 2	
9	Antenna Type	Linear polarization Dipole	
10	3dB Beamwidth	Omnidirectional horizon	
11	Weight (with cable)	1.73g	

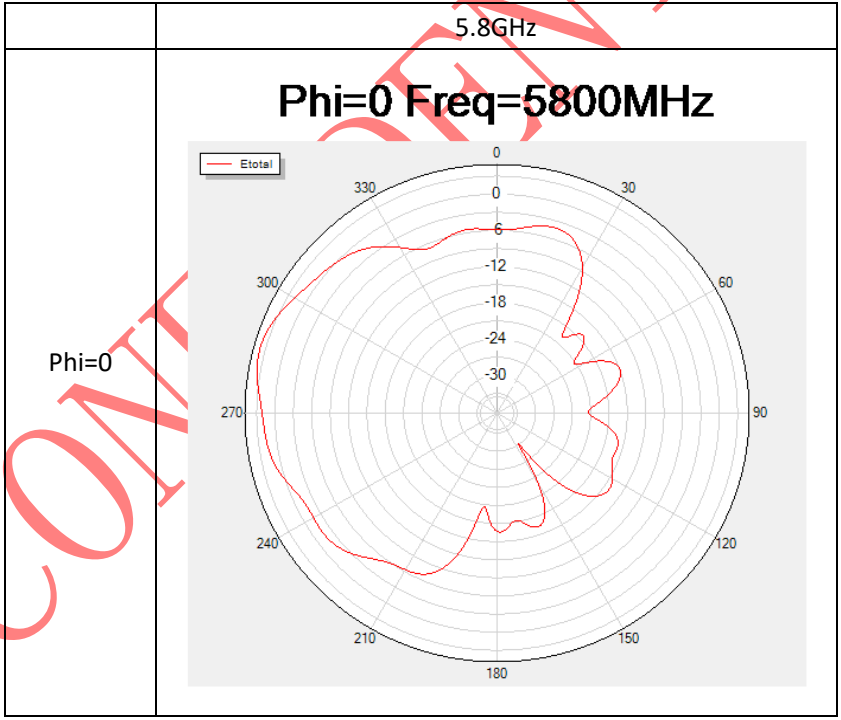
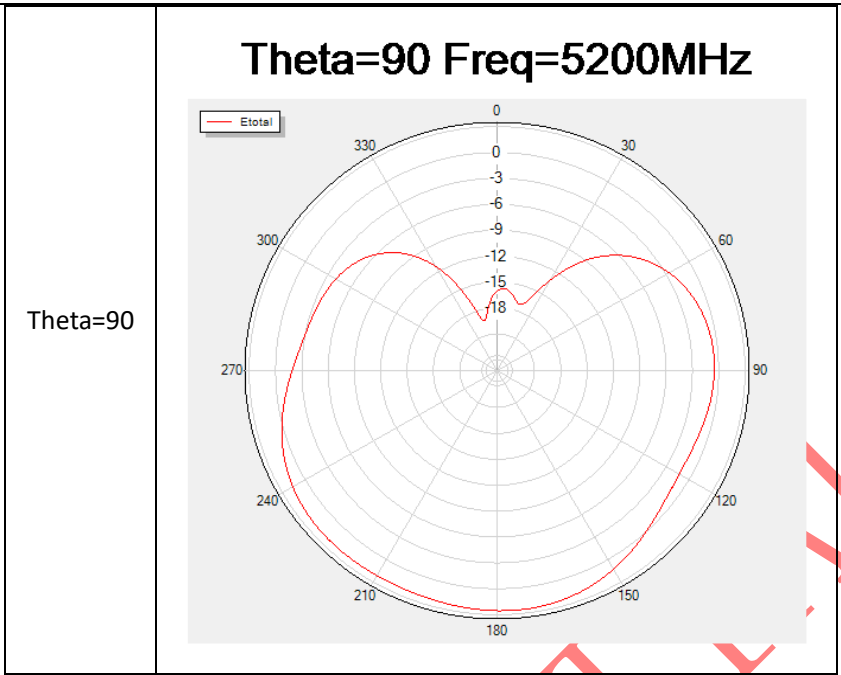
2.2 Gain

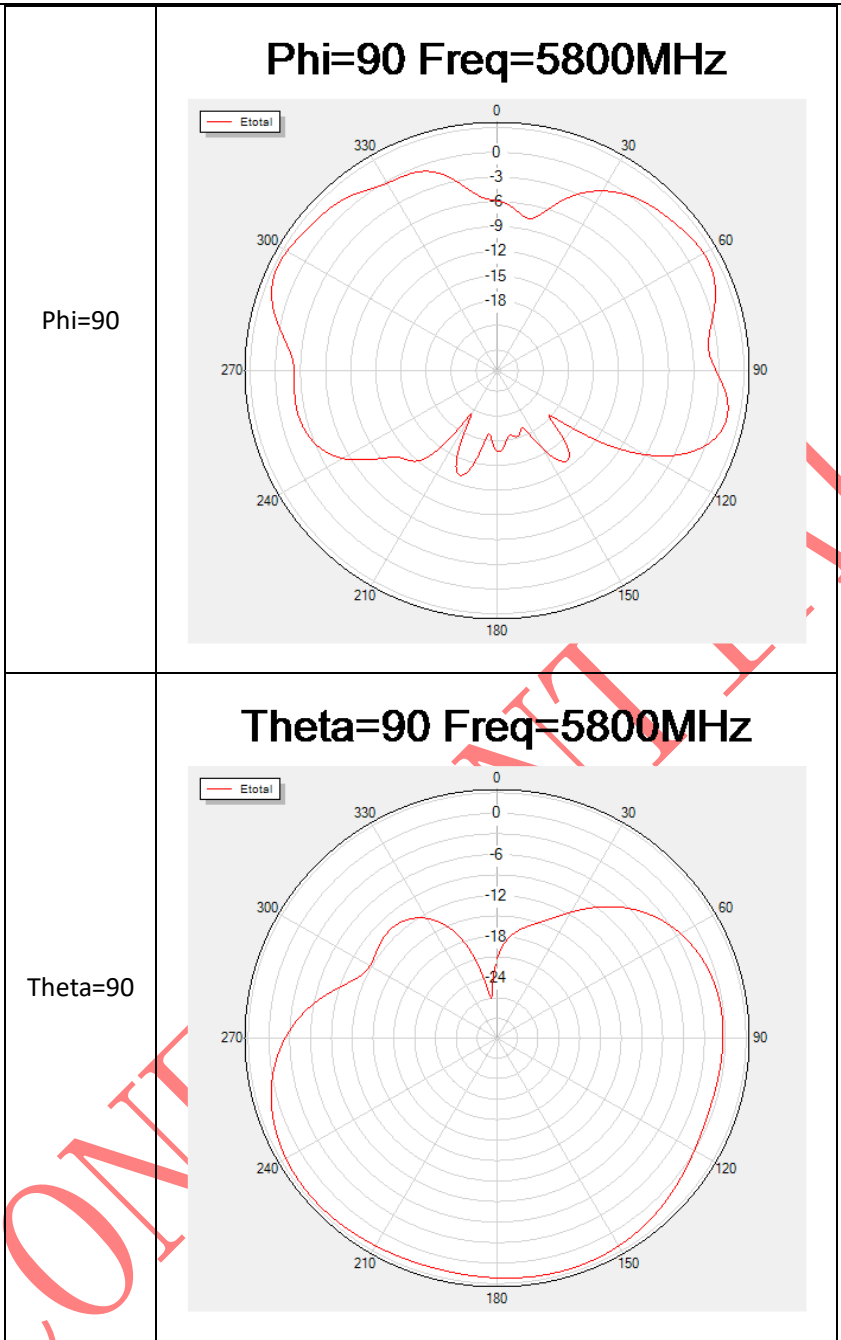
Frequency	E Total. dB(dB)-ANT2
2400MHz	4.0
2440MHz	4.4
2480MHz	5.0
2500MHz	5.0
5150MHz	4.0
5200MHz	3.8
5250MHz	3.7
5700MHz	4.4

5750MHz	4.4
5800MHz	4.3
5850MHz	4.4

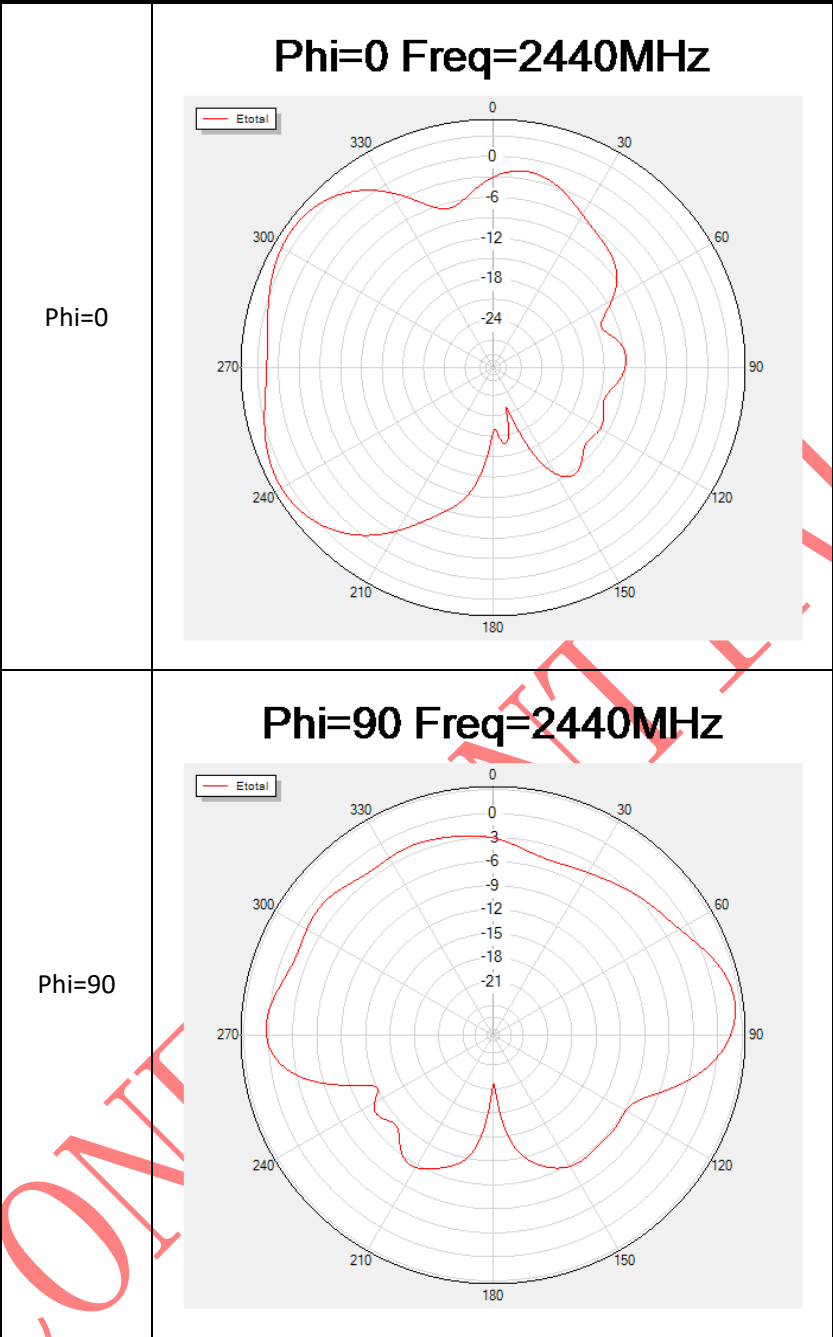
2.3 radiation pattern



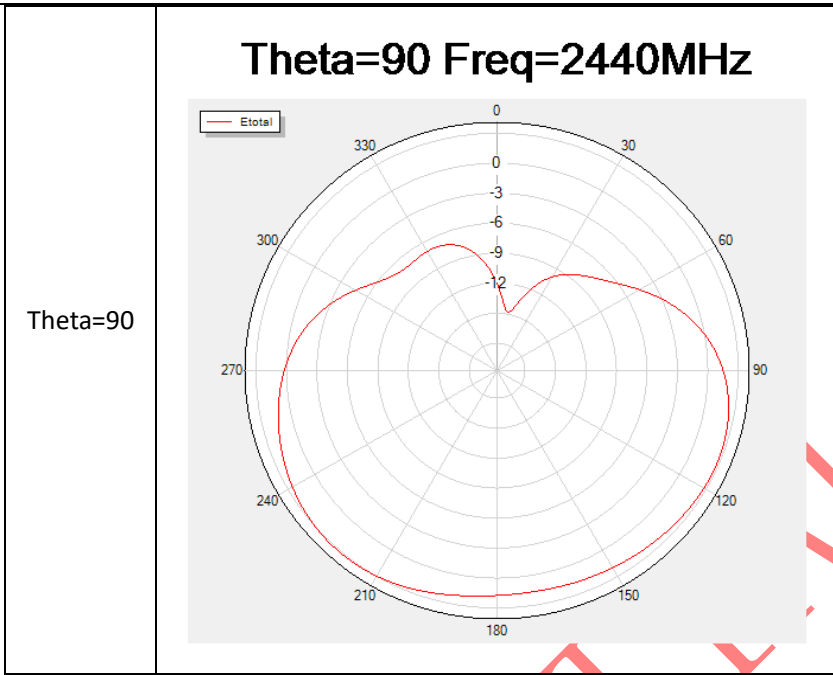




	2.4GHz
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2.4 Structure drawing

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3.UAV SDR Antenna3

3.1 Basic Specifications

No.	Specification	Descriptions	Notes
1	Antenna Name	SDR Antenna 3	
2	Manufacturer	Kunshan Innowave Communication Technology Co., Ltd.	Address: No. 1689 Zizhu Road, Yushan Town, Kunshan City, Jiangsu Province, China
3	Operation Frequency	2.4~2.483GHz; 5.15~5.25GHz; 5.725~5.875GHz	
4	Connector Type	IpeXl	
5	Impedance	50ohm	
6	Gain (MAX)	4.5dBi@2.4~2.483GHz 4.5dBi@5.15~5.25GHz 4.8dBi@5.725~5.875GHz	
7	Efficiency	$\geq 50\%$	
8	VSWR	≤ 2	
9	Antenna Type	Linear polarization Dipole	
10	3dB Beamwidth	Omnidirectional horizon	



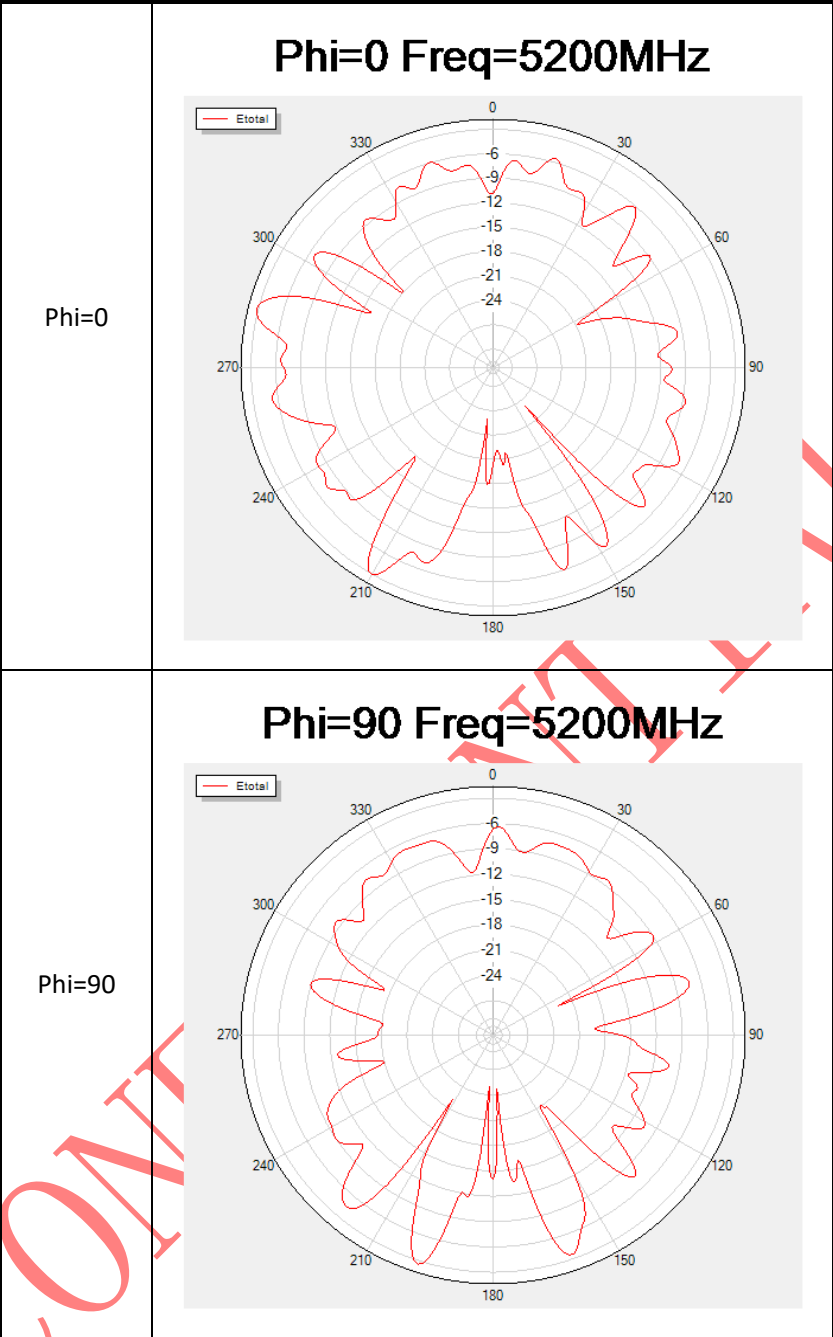
11	Weight (with cable)	2.3g	
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3.2 Gain

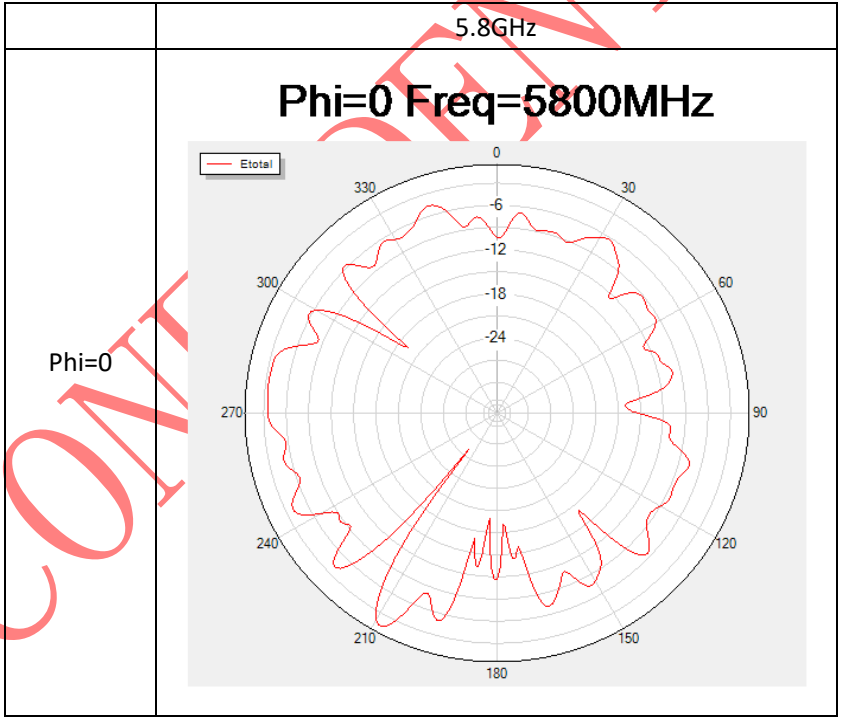
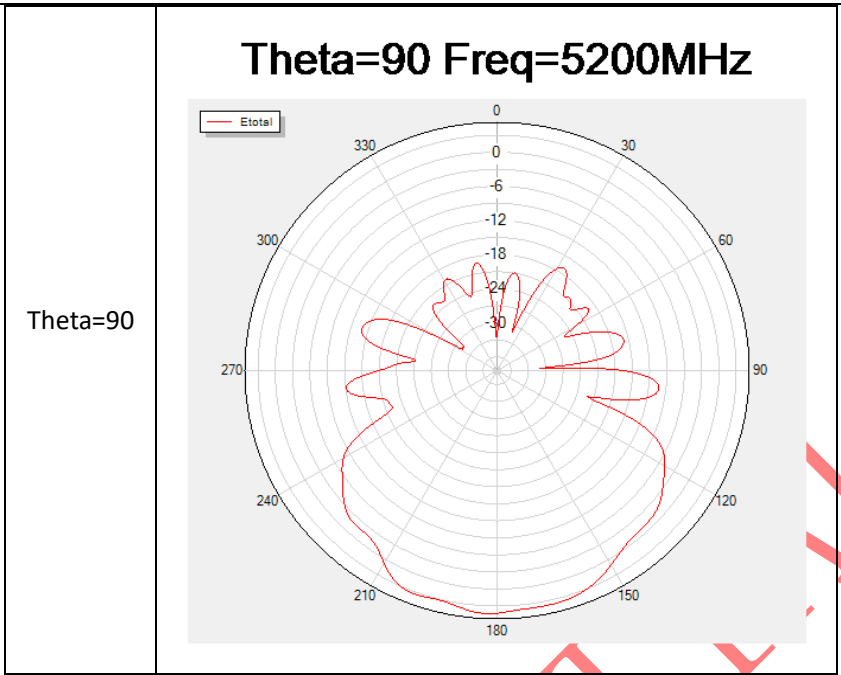
Frequency	E Total. dB(dB)-ANT3
2400MHz	4.5
2440MHz	4.1
2480MHz	3.9
2500MHz	3.9
5150MHz	4.5
5200MHz	4.4
5250MHz	4.4
5700MHz	4.6
5750MHz	4.1
5800MHz	4.3
5850MHz	4.8

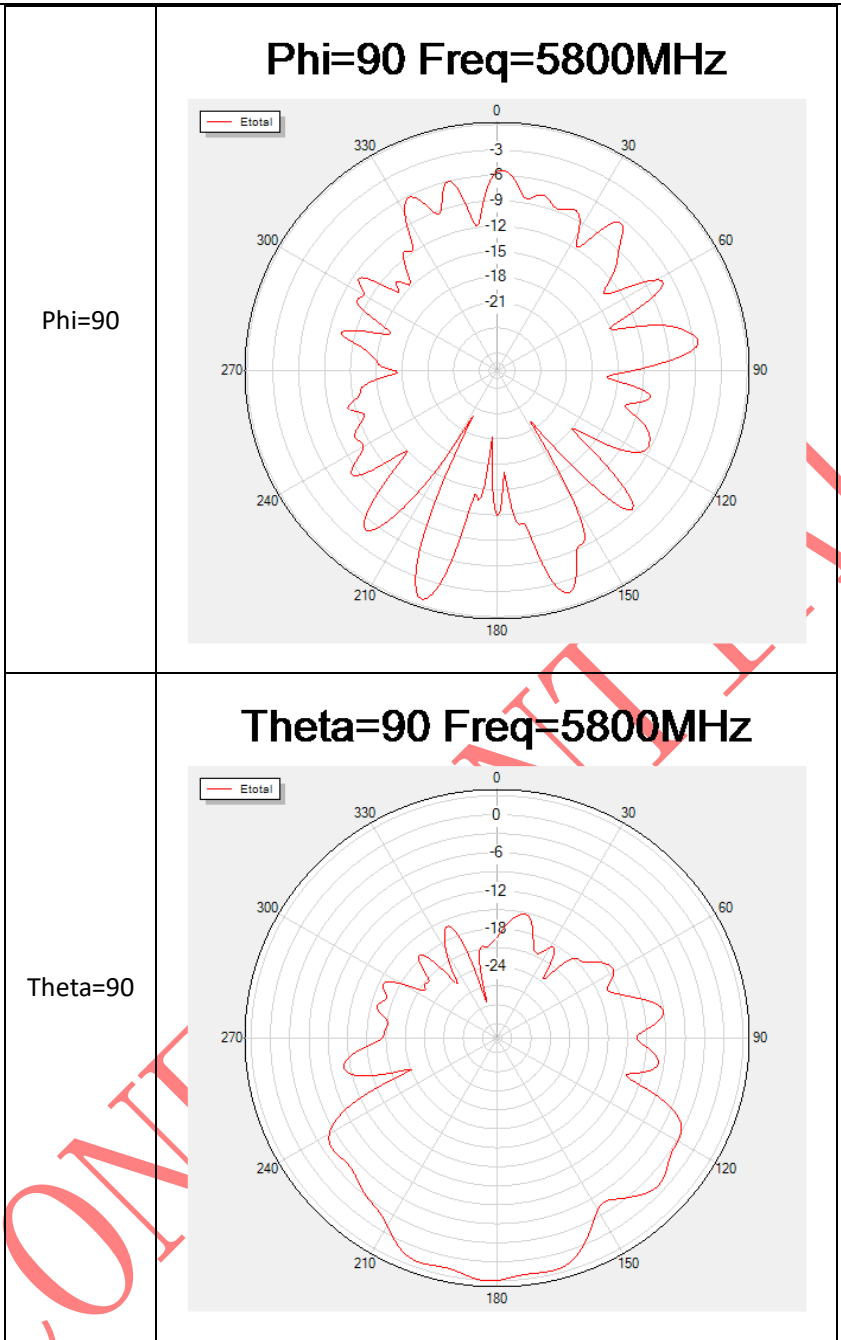
3.3 radiation pattern

	5.2GHz
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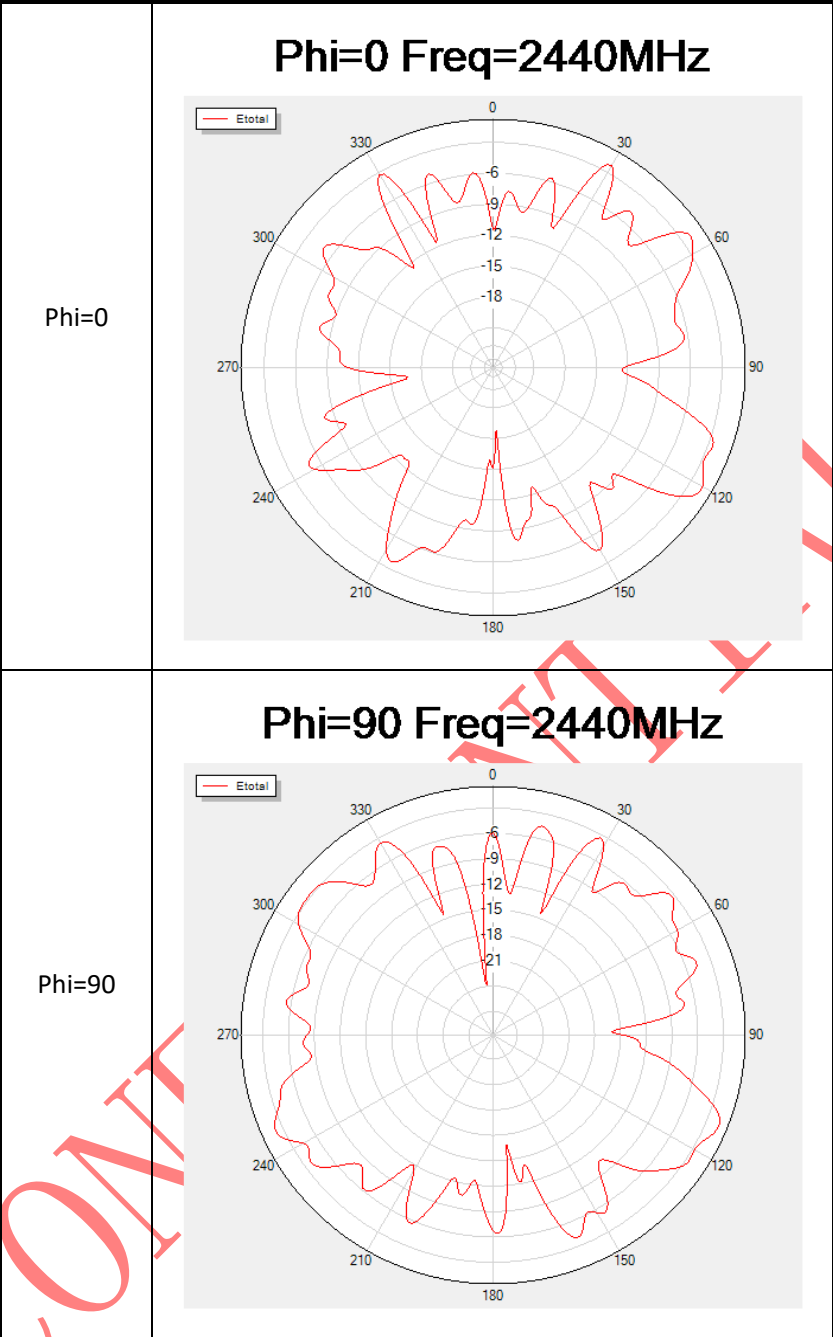


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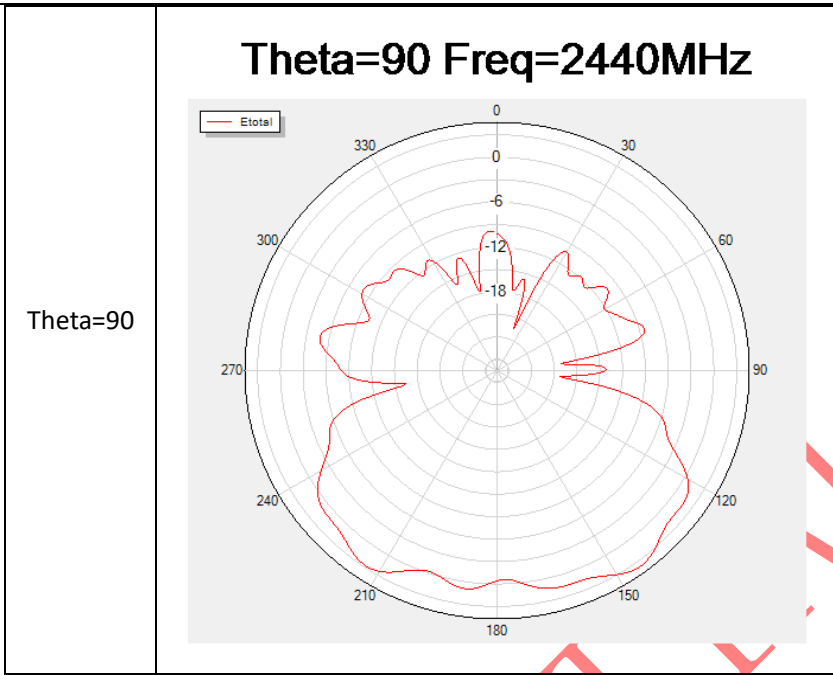




	2.4GHz
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3.4 Structure drawing

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