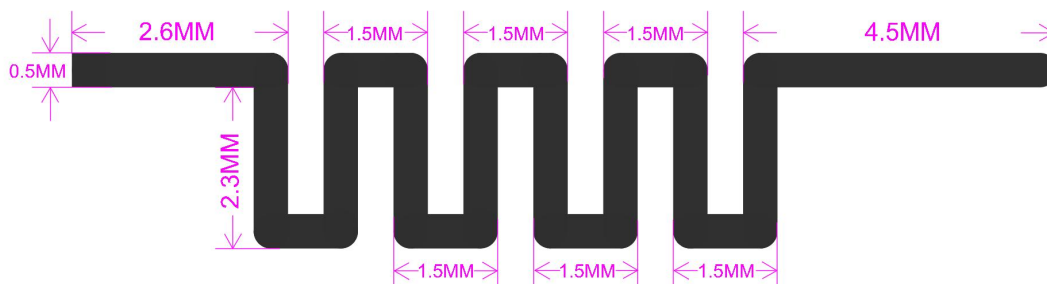


Antenna specification

Features

(1)Installation mode	Onboard antenna
(2)Antenna type	PCB antenna
(3)Antenna length	34.5mm
(4)Antenna width	0.5mm
(5)Frequency	2.4G



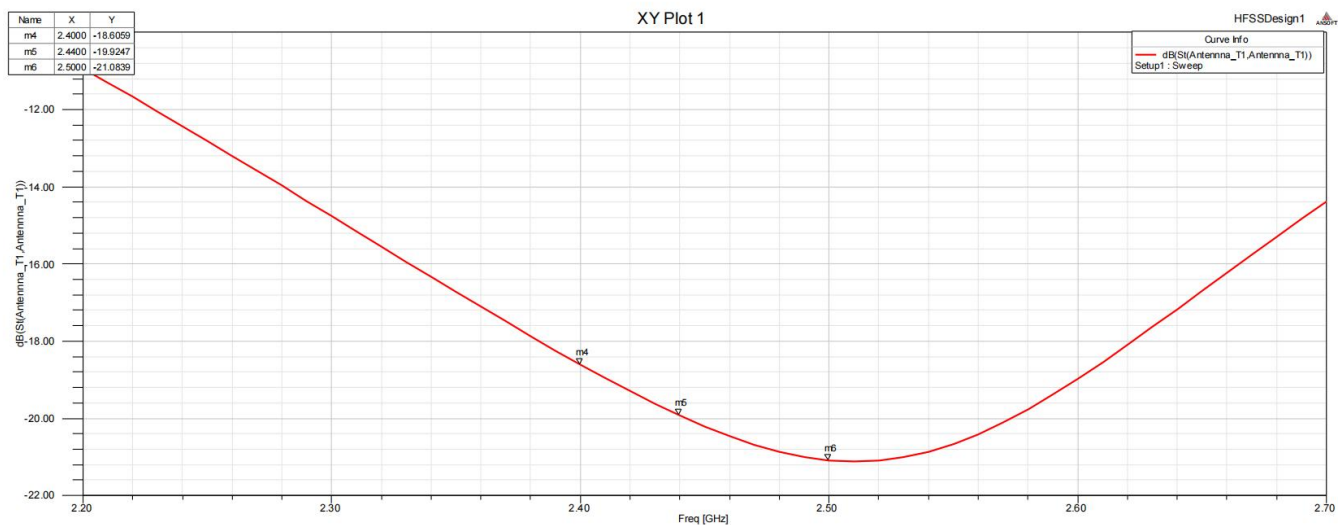
Electrical Specification

(1)Working Frequency Range	2400~2500 MHz
(2)Peak Gain	2.95dBi
(3)Impedance	50 Ohm
(4)VSWR	2.5(Max)
(5)Polarization	Linear
(6)Azimuth Beamwidth	Omni-directional

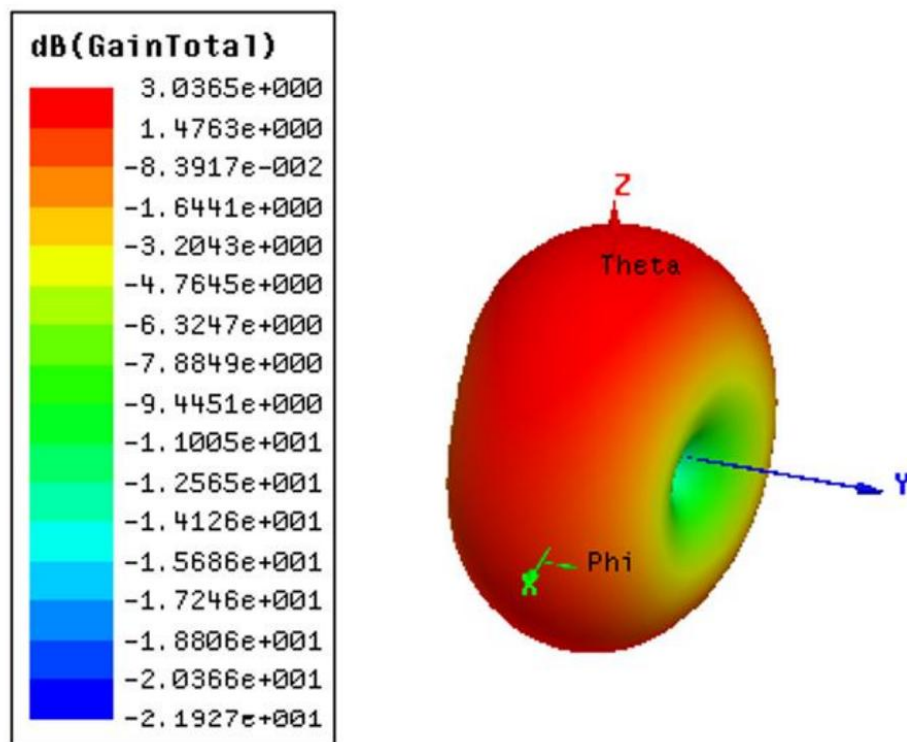
Shenzhen Xichen Technology Co., LTD

16 / F Yangon Building, Ho Xiang Road, Xiner Community, Xinqiao Street, Baoan District, Shenzhen

S11 Figure



Radiation Figure



Antenna Radiation Pattern

Frequency	ZX plane		ZY plane		XY plane																									
	Max Value	Average	Max Value	Average	Max Value	Average																								
[MHz]	[dBi]	[dBi]	[dBi]	[dBi]	[dBi]	[dBi]																								
2400	2.91	2.09	2.93	-3.00	2.67	-4.14																								
2450	2.83	2.13	2.78	-3.12	2.81	-4.13																								
2500	2.95	2.07	2.87	-3.00	2.89	-4.05																								
Radiation Pattern XOZ	Radiation Pattern YOZ		Radiation Pattern XOY																											
<p>HFSSDes</p> <table border="1"> <thead> <tr> <th>Curve Info</th> <th>max</th> </tr> </thead> <tbody> <tr> <td>Freq=2.45GHz' Phi=0deg'</td> <td>2.908</td> </tr> <tr> <td>Freq=2.4GHz' Phi=0deg'</td> <td>2.833</td> </tr> <tr> <td>Freq=2.5GHz' Phi=0deg'</td> <td>2.946</td> </tr> </tbody> </table>	Curve Info	max	Freq=2.45GHz' Phi=0deg'	2.908	Freq=2.4GHz' Phi=0deg'	2.833	Freq=2.5GHz' Phi=0deg'	2.946	<p>HFSSDesign</p> <table border="1"> <thead> <tr> <th>Curve Info</th> <th>max</th> </tr> </thead> <tbody> <tr> <td>Freq=2.45GHz' Phi=90deg'</td> <td>2.934</td> </tr> <tr> <td>Freq=2.4GHz' Phi=90deg'</td> <td>2.789</td> </tr> <tr> <td>Freq=2.5GHz' Phi=90deg'</td> <td>2.868</td> </tr> </tbody> </table>		Curve Info	max	Freq=2.45GHz' Phi=90deg'	2.934	Freq=2.4GHz' Phi=90deg'	2.789	Freq=2.5GHz' Phi=90deg'	2.868	<p>HFSSDesign</p> <table border="1"> <thead> <tr> <th>Curve Info</th> <th>max</th> </tr> </thead> <tbody> <tr> <td>Freq=2.45GHz' Theta=90deg'</td> <td>2.6711</td> </tr> <tr> <td>Freq=2.4GHz' Theta=90deg'</td> <td>2.8128</td> </tr> <tr> <td>Freq=2.5GHz' Theta=90deg'</td> <td>2.8940</td> </tr> </tbody> </table>				Curve Info	max	Freq=2.45GHz' Theta=90deg'	2.6711	Freq=2.4GHz' Theta=90deg'	2.8128	Freq=2.5GHz' Theta=90deg'	2.8940
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