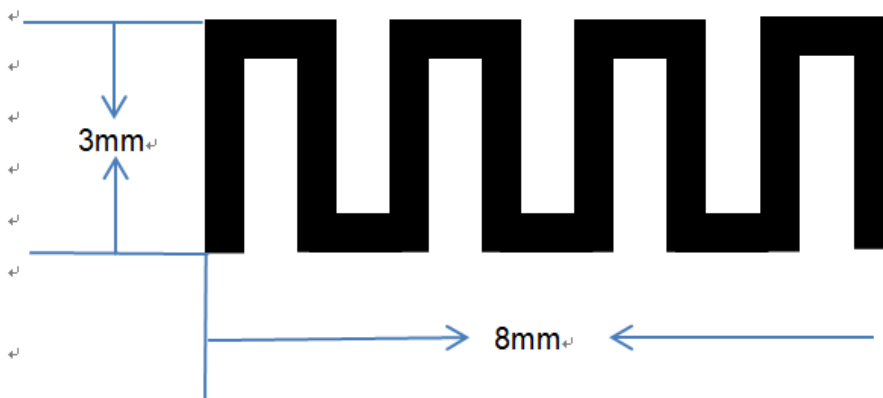


## Features

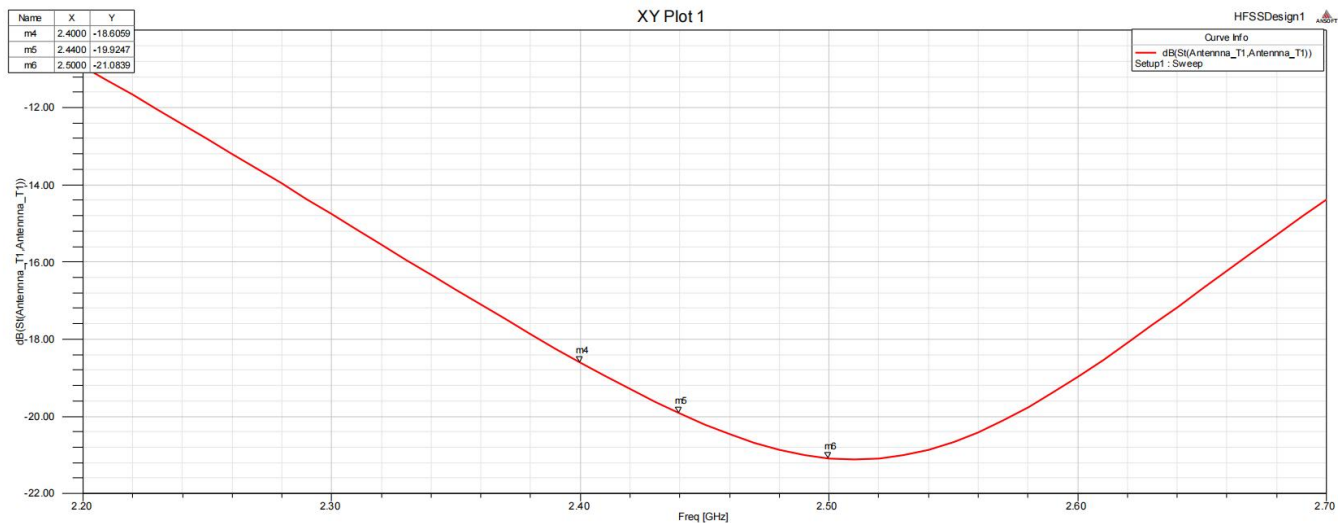
(1)Installation mode	Onboard antenna
(2)Antenna type	Serpentine antenna
(3)Antenna length	34.5mm
(4)Antenna width	0.5mm
(5)Frequency	2.4G



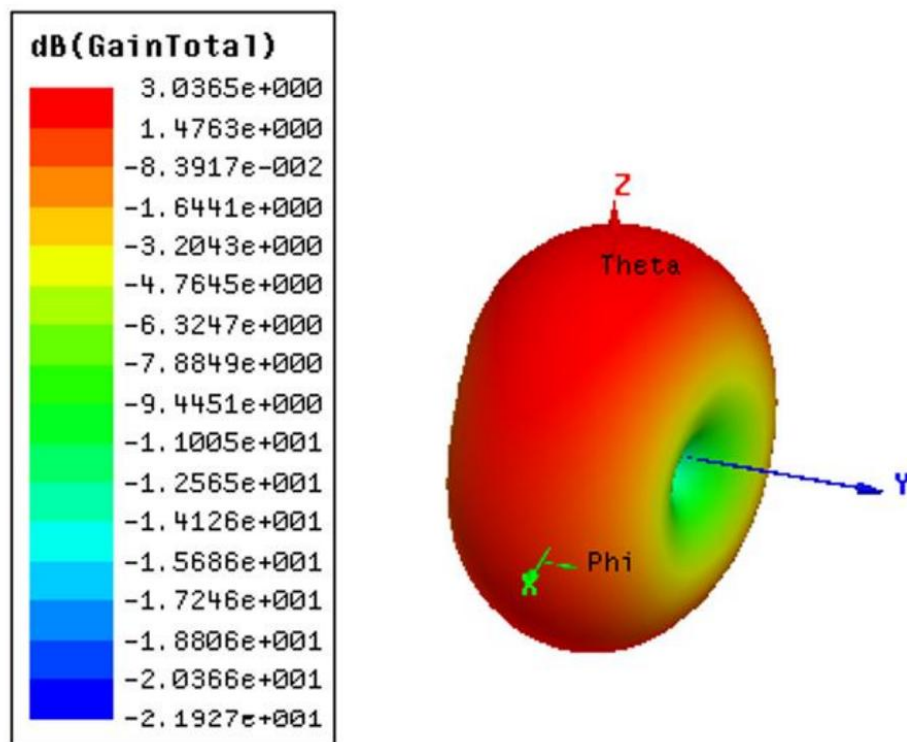
## Electrical Specification

(1)Working Frequency Range	2400~2500 MHz
(2)Peak Gain	2.0dBi (Typ.)
(3)Impedance	50 Ohm
(4)VSWR	2.5(Max)
(5)Polarization	Linear
(6)Azimuth Beamwidth	Omni-directional

## 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>2.945</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'	2.945	<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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