

Features

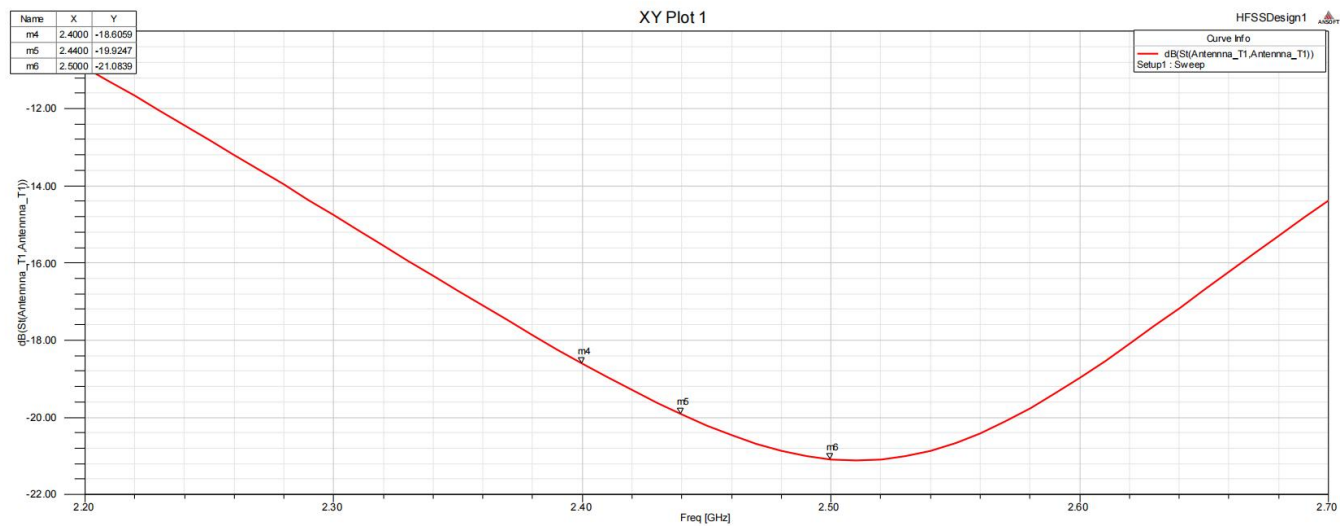
(1)Installation mode	Onboard antenna
(2)Antenna type	Serpentine antenna
(3)Antenna length	29mm
(4)Antenna width	0.5mm
(5)Frequency	2.4G



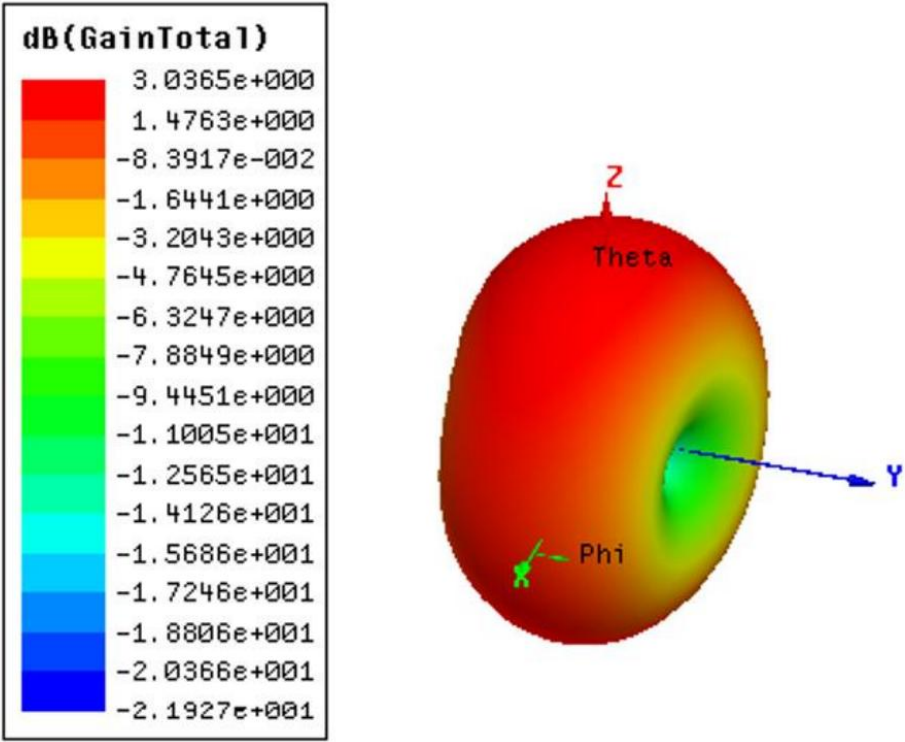
Electrical Specification

(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

	ZX plane		ZY plane		XY plane		
Frequency	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				
XOZ HFSSDesign Curve Info max Freq=2.45GHz; Phi=0deg2.908 Freq=2.4GHz; Phi=0deg2.833 Freq=2.5GHz; Phi=0deg2.946 <td data-cs="2" data-kind="parent"> YOZ HFSSDesign Curve Info max Freq=2.45GHz; Phi=90deg2.9354 Freq=2.4GHz; Phi=90deg2.7809 Freq=2.5GHz; Phi=90deg2.8668 <td data-kind="ghost"></td><td data-cs="4" data-kind="parent"> XOY HFSSDesign Curve Info max Freq=2.45GHz; Theta=90deg2.6711 Freq=2.4GHz; Theta=90deg2.8128 Freq=2.5GHz; Theta=90deg2.8940 <td data-kind="ghost"></td><td data-kind="ghost"></td><td data-kind="ghost"></td><td data-kind="ghost"></td></td></td>	YOZ HFSSDesign Curve Info max Freq=2.45GHz; Phi=90deg2.9354 Freq=2.4GHz; Phi=90deg2.7809 Freq=2.5GHz; Phi=90deg2.8668 <td data-kind="ghost"></td> <td data-cs="4" data-kind="parent"> XOY HFSSDesign Curve Info max Freq=2.45GHz; Theta=90deg2.6711 Freq=2.4GHz; Theta=90deg2.8128 Freq=2.5GHz; Theta=90deg2.8940 <td data-kind="ghost"></td><td data-kind="ghost"></td><td data-kind="ghost"></td><td data-kind="ghost"></td></td>		XOY HFSSDesign Curve Info max Freq=2.45GHz; Theta=90deg2.6711 Freq=2.4GHz; Theta=90deg2.8128 Freq=2.5GHz; Theta=90deg2.8940 <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>				