

Sample specification

The following contents shall be filled in by the sample maker:

Supplier: All things connected Communications Xiangyang Limited Supply material/model: WWXL6008225
Name of material: Built-in antenna SEI Robotics Co., Ltd Material number: WWXLSH6BKAA-WIFI1

Send samples to acknowledge	Check	Approval confirmation
Dai Hongbo		Tong Xiaoyan

STAMP:

Content of sample submission:

- ☐ A sample (s)
- ☐ Drawings, specifications
- ☐ Main inspection items and implementation standards of materials
- ☐ Reliability test report
- ☐ RoHS compliance test report

Note: Suppliers Please submit in the above order, if not, it can not be admitted.

The following is to be completed by SEI Robotics Co., Ltd:

Identify the person	Judgment	Notes

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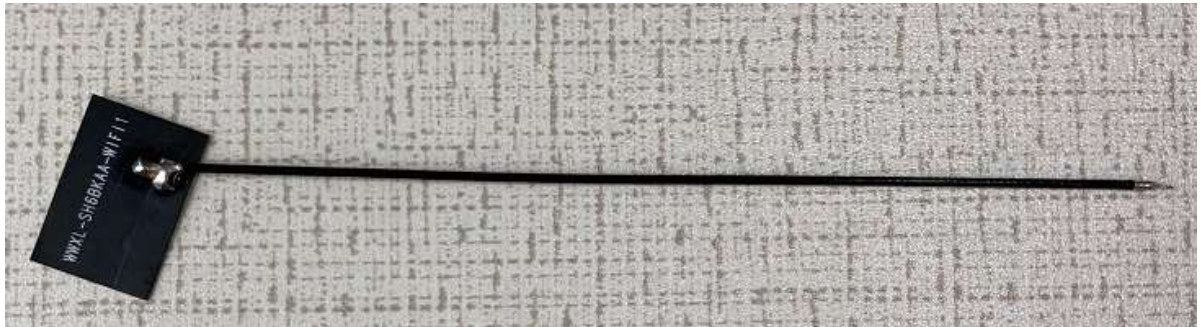
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Add: Hubei Xiangyang Gucheng County northwest renewable resources trading center Taoyuan Street, Nanshan District, Shenzhen City

phone: 136 6268 4409 URL: www.wwxltx.cn

Specification for Antenna

1. Product pictures



2. Test parameters

Name Built-in antenna (WWXL6008822)		ModelType	
ELECTRICAL SPECTFICATIONS		MECHANICAL SPECTFICATIONS	
FrenquencyRange 2400-2500/5150-5850MHz		Dimensions	21.2*14.6*0.2mm
Impedance	50 Ω	Connector	Welding
VSWR	≤ 3.5	linelength	1.13 black 125 $\pm$ 3mm
Gain	2.0/3.0dBi	WorkingTemperature	-45 $^{\circ}$ C - +85 $^{\circ}$ C
Polarization	linear	Limit Temperature	-45 $^{\circ}$ C - +85 $^{\circ}$ C
Radiation	Omnidirectional		

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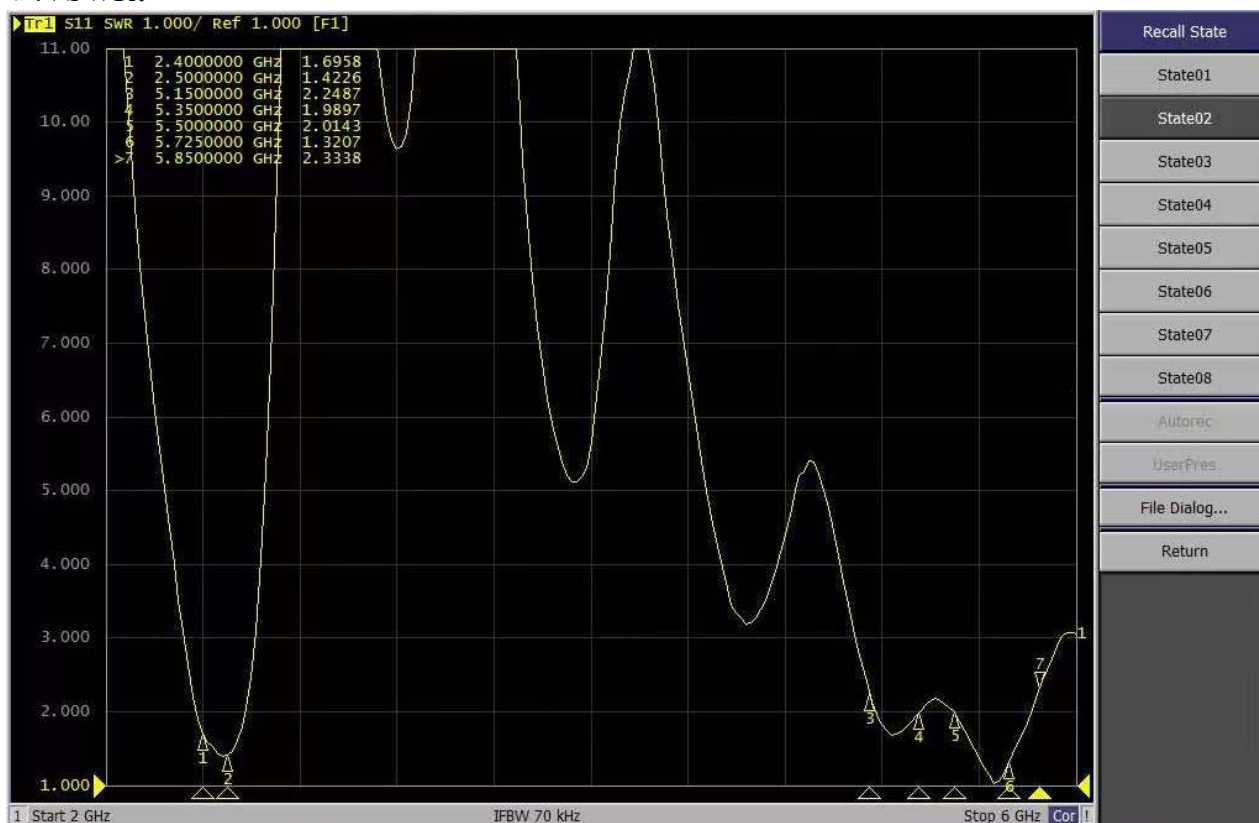
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3. Antenna Passive Parameters:

a. VSWR:



2. Gain&Efficiency

Gain&Efficiency			Gain&Efficiency			Gain&Efficiency		
frequency (MHz)	gain (dBi)	efficiency (%)	frequency (MHz)	gain (dBi)	efficiency (%)	frequency (MHz)	gain (dBi)	efficiency (%)
2400	1.1	45.47	5150	4.24	62.03	5510	5.11	76.26
2410	1.21	47.17	5160	4.19	62.61	5520	5.05	74.08
2420	1.45	49.22	5170	4.12	62.55	5530	5.02	72.4
2430	1.65	51.04	5180	4.07	62.15	5540	5.09	71.98
2440	1.9	52.95	5190	4.08	61.89	5550	5.12	71.3
2450	2.04	53.15	5200	4.09	61.03	5560	5.12	70.29
2460	2.21	53.55	5210	4.09	60	5570	5.19	70.76
2470	2.31	53.13	5220	4.12	59.11	5580	5.26	71.28
2480	2.43	52.38	5230	4.25	60.22	5590	5.22	70.33
2490	2.56	51.86	5240	4.28	60.31	5600	5.29	71.14
2500	2.64	50.82	5250	4.25	60.22	5610	5.39	72.62
			5260	4.28	60.68	5620	5.45	72.89
			5270	4.25	60.71	5630	5.49	73.11
			5280	4.23	60.64	5640	5.58	73.49

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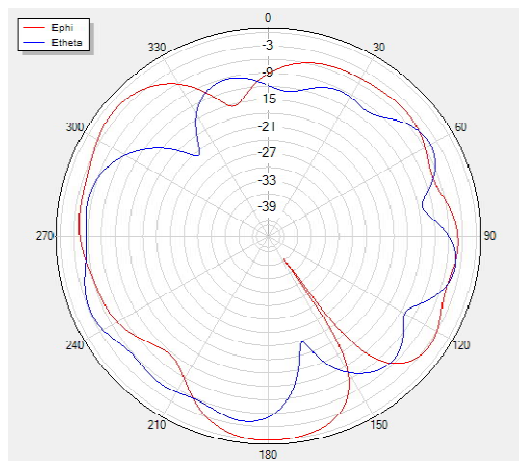
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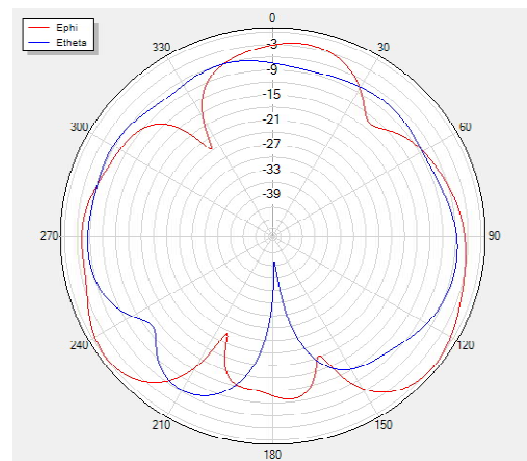
5290	4.22	61.02	5650	5.62	73.29
5300	4.18	60.56	5660	5.53	71.18
5310	4.28	62.47	5670	5.43	69.29
5320	4.35	63.79	5680	5.37	68.36
5330	4.27	63.3	5690	5.37	68.74
5340	4.26	63.9	5700	5.35	69.2
5350	4.17	63.38	5710	5.34	69.74
5360	4.1	63.29	5720	5.41	71.91
5370	4.12	64.31	5730	5.39	72.5
5380	4.16	65.21	5740	5.25	71.36
5390	4.35	67.86	5750	5.06	69.09
5400	4.62	71.94	5760	4.86	66.94
5410	4.86	74.92	5770	4.82	66.58
5420	5.02	76.91	5780	4.82	67.17
5430	5.16	78.45	5790	4.92	68.9
5440	5.21	78.95	5800	5.12	72.38
5450	5.21	78.27	5810	5.26	74.77
5460	5.21	78.26	5820	5.23	74.57
5470	5.21	78.39	5830	5.02	71.2
5480	5.2	78.55	5840	4.72	66.65
5490	5.19	78.42	5850	4.07	57.15
5500	5.15	77.56			

3. Directions

Theta=90 freq=2400MHz



Phi=90 freq=2400MHz



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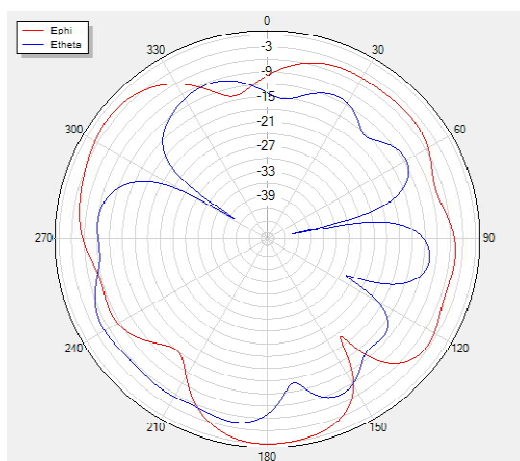
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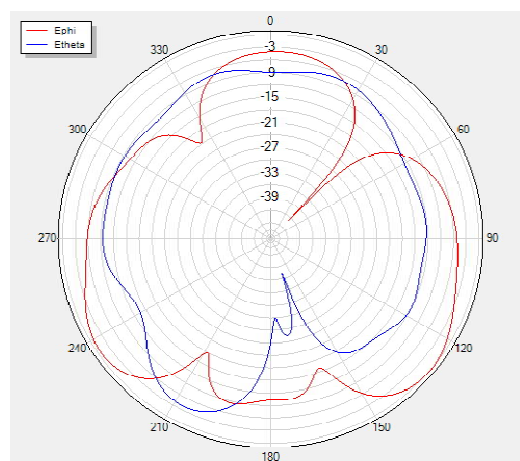
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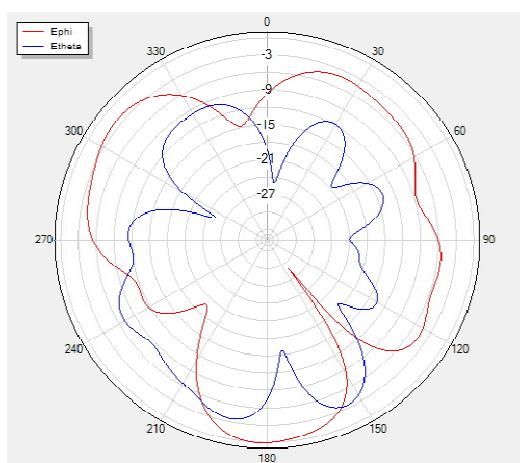
Theta=90 freq=2450MHz



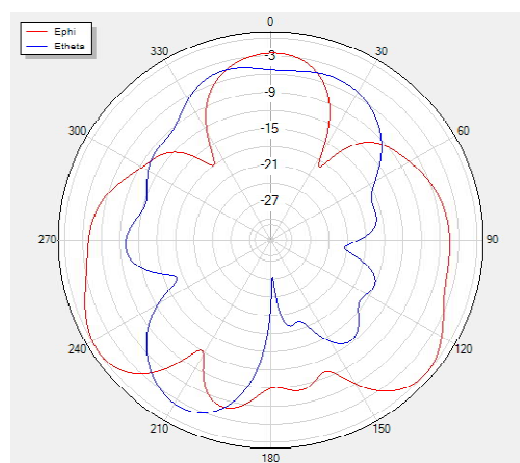
Phi=90 freq=2450MHz



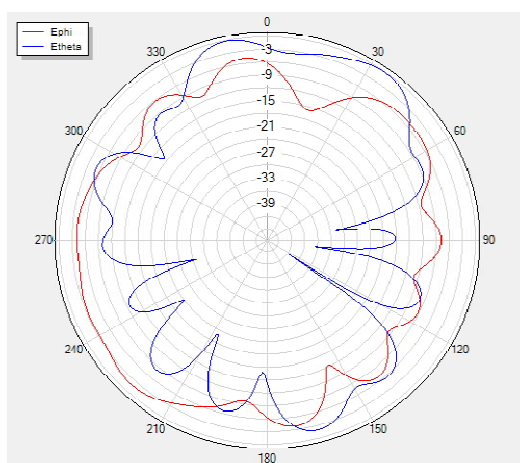
Theta=90 freq=2500MHz



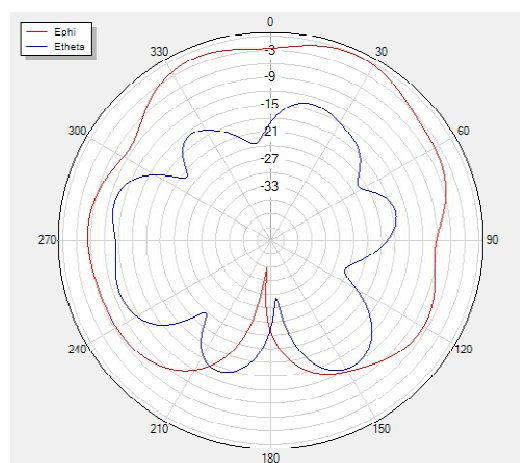
Phi=90 freq=2500MHz



Theta=90 freq=5150MHz



Phi=90 freq=5150MHz



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