



1. Antenna Specification

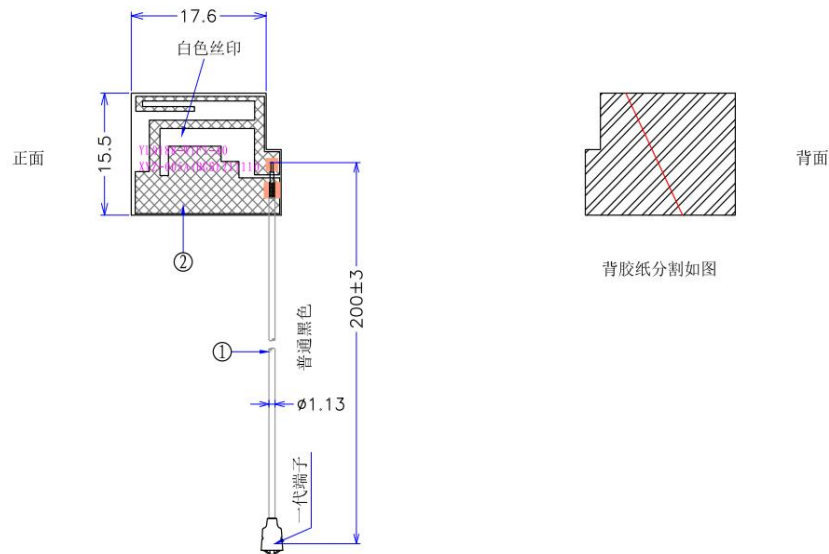
1.1: Electrical Specification	
Freq.Range (MHz)	2400-2500; 5100-5800
Impedance (Ω)	50
VSWR	≤ 3
Directional	Omni directional
Polarization	Linear
Peak Gain (dBi)	2400-2500: 2.23
	5100-5800: 3.12
1.2: Mechanical Specification	
Material	FPC
RF Cable Type	RF1.13
Connector Type	IPEX1
1.3: Environmental Specification	
Operation temp	-40℃ $\sim$ +85℃
Long-term storage temperature	+19℃ $\sim$ +23℃

Model number: YL0188



3.Test Report

3.1: dawning



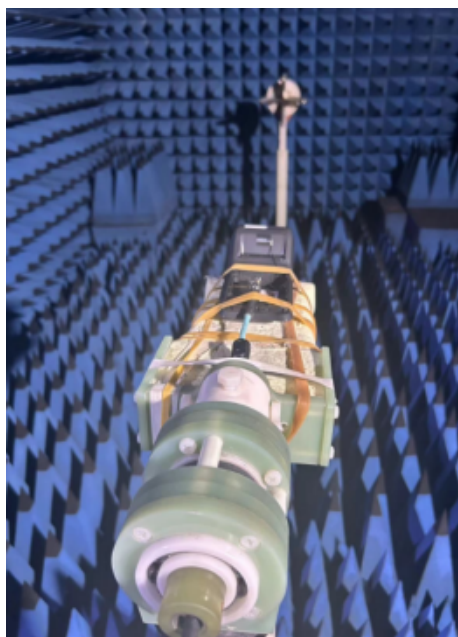
3.2: Antenna efficiency and gain

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	56.98	1.87	5320	69.09	2.76	5610	53.25	1.22
2410	61.51	2.22	5330	64.78	2.46	5620	54.61	1.35
2420	59.21	2.14	5340	69.68	2.8	5630	51.36	1.12
2430	59.02	2.23	5350	66.1	2.55	5640	56.62	1.5
2440	52.82	1.99	5360	70.73	2.8	5650	55.34	1.4
2450	52.82	1.52	5370	73.51	2.98	5660	60.67	1.74
2460	49.27	0.91	5380	71.36	2.82	5670	59.96	1.62
2470	48.65	0.2	5390	75.82	3.12	5680	58.07	1.64
2480	47.27	0.02	5400	67.21	2.59	5690	57.58	1.64
2490	45.57	-0.67	5410	70.44	2.8	5700	57.77	1.78
2500	43.96	-1.6	5420	69.1	2.71	5710	64.17	2.43
			5430	74.54	3.1	5720	61.59	2.16
5150	71.41	2.22	5440	68.31	2.75	5730	63.63	2.27
5160	71.57	2.17	5450	63.97	2.56	5740	58.53	1.97
5170	70.97	2.23	5460	66.42	2.74	5750	57.59	1.98
5180	70.67	2.35	5470	64.34	2.61	5760	60.11	2.29
5190	70.47	2.41	5480	66.94	2.69	5770	62.07	2.58
5200	70.43	2.49	5490	62.04	2.33	5780	63.26	2.65
5210	71.97	2.61	5500	65.04	2.48	5790	56.4	2.28
5220	71.45	2.66	5510	56.47	1.87	5800	59.36	2.38
5230	72.29	2.72	5520	55.23	1.81	5810	58.72	2.33
5240	66.57	2.45	5530	55.89	1.76	5820	62.3	2.64
5250	69.35	2.66	5540	54.44	1.67	5830	60.19	2.63
5260	67.36	2.64	5550	58.84	2.02	5840	60.79	2.81
5270	65.44	2.55	5560	54.29	1.66	5850	55.63	2.49
5280	64.62	2.5	5570	54.11	1.6			
5290	63.7	2.47	5580	50.06	1.22			
5300	66.51	2.66	5590	53.36	1.4			
5310	64.16	2.51	5600	55.53	1.46			



3.3: Directional diagram

Directional & antenna testing picture



Directional diagram

