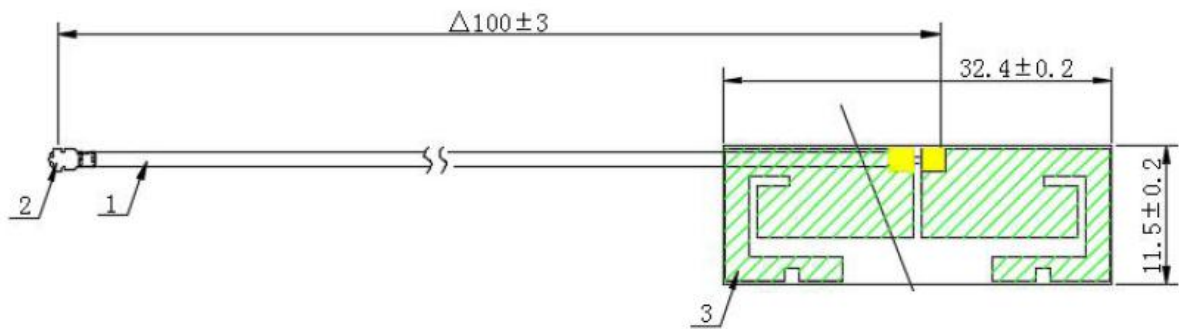


Antenna Specification

1. Antenna Describe

Antenna Manufacturer	TOXU TECHNOLOGY CO., LTD.
Address	4th Floor, Building R2-B, Gaoxin Industrial Village, No. 206, Gaoxin South 7th Road, Gaoxin Community, Yuehai Sub-district, Nanshan District, Shenzhen China
Antenna Model	KC.IA.00504
Antenna Type	PIFA Antenna
Antenna Gain	2.4G: 1.62dBi Max, 5G: 3.58dBi Max
Frequency Rang	2400-2500MHz, 5150-5850MHz
VSWR	≤ 2
Input Impedance	$50\ \Omega$

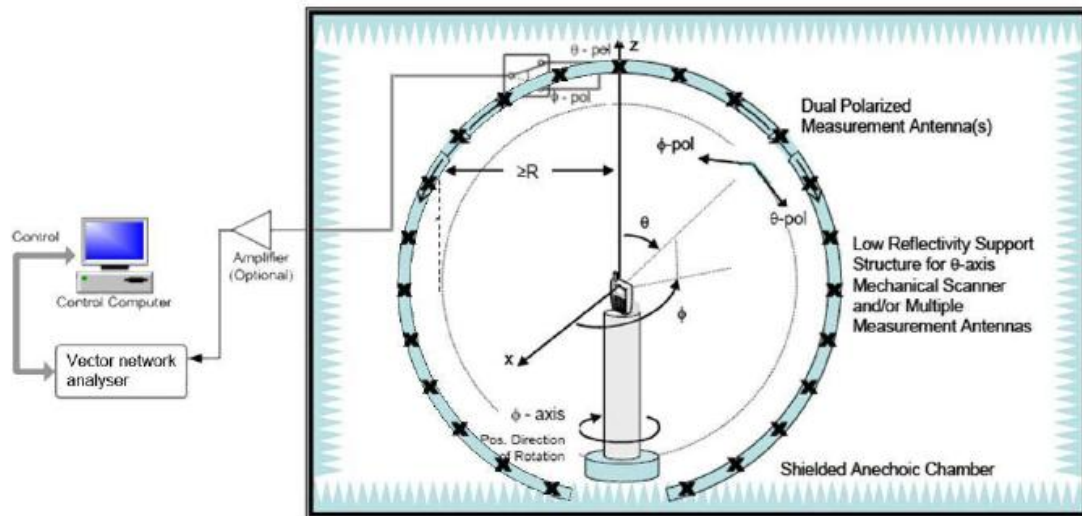
2. External View Drawing



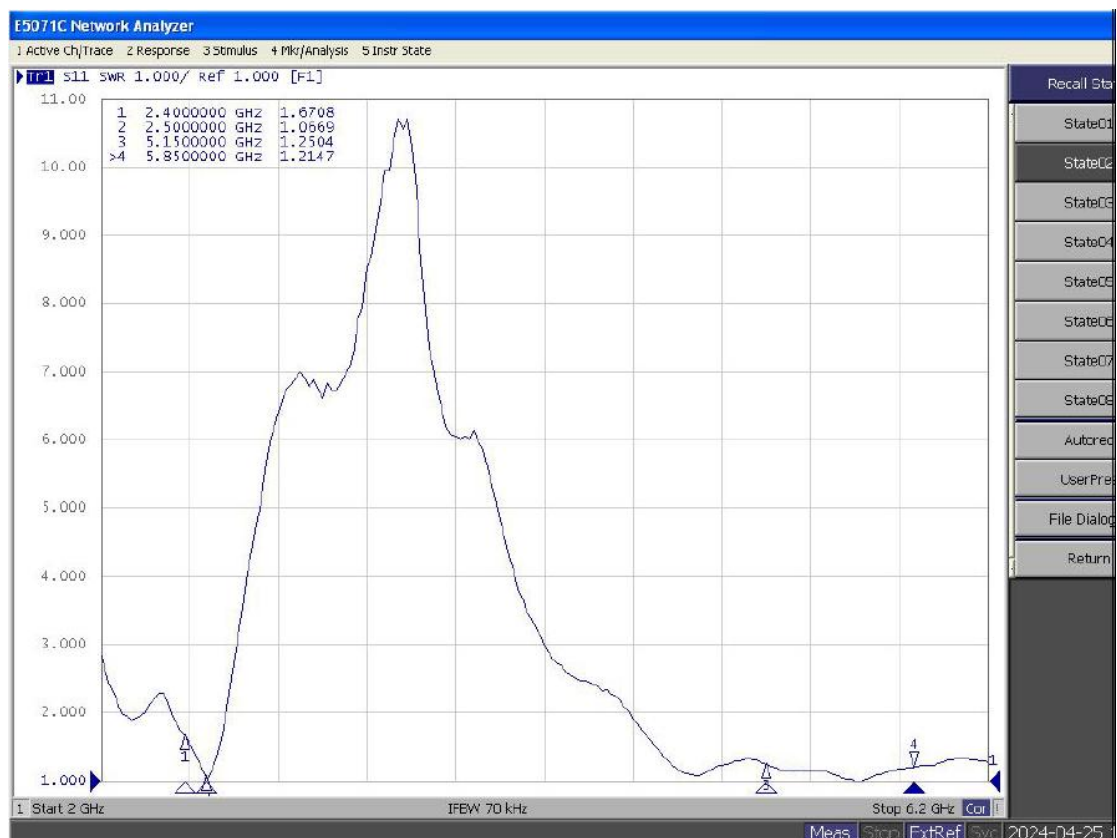
Unit: mm

3. Measurement Result

3.1 Test Setup



3.2 S11 Parameter



3.3 Antenna test data

Frequency/Mhz	MaxGain/dBi	Efficiency / %	Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	1. 25	51. 17	5330	3. 25	63. 24
2410	1. 62	54. 08	5360	3. 35	66. 37
2420	1. 13	52. 97	5390	3. 35	64. 71
2430	1. 27	54. 45	5420	3. 58	64. 57
2440	1. 14	56. 62	5450	3. 17	66. 22
2450	0. 6	55. 98	5480	2. 94	60. 53
2460	0. 75	57. 54	5510	2. 99	64. 42
2470	0. 4	58. 48	5540	2. 58	64. 12
2480	0. 93	60. 67	5570	2. 59	60. 95
2490	0. 82	63. 68	5600	2. 65	58. 34
2500	1. 15	65. 77	5630	2. 76	60. 39
			5660	2. 54	58. 61
5150	3. 28	63. 97	5690	2. 47	57. 81
5180	3. 25	65. 61	5720	2. 6	60. 95
5210	3. 19	64. 42	5750	2. 61	59. 29
5240	3. 3	63. 39	5780	2. 77	61. 24
5270	3. 26	60. 53	5810	2. 62	57. 15
5300	3. 12	61. 8	5840	2. 75	59. 29

3.4 Antenna test diagram

