

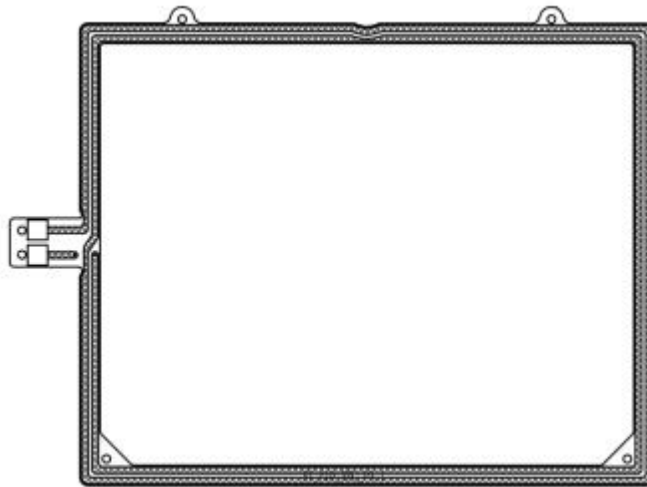
BlueCash-05 Antenna Report

1. RFID Antenna

1.1 Specifications

Specifications	
Operating frequency (MHz)	13.56
Antenna type	Flex FPC
Antenna gain	0 dBi

1.2 Dimensions (Unit: mm) 72 x 57



1.3 Manufacturer

Sunnyway Technology (China) Co., LTD.

6F Building 5, Nam Tai Inno Park, Guangming District, Shenzhen

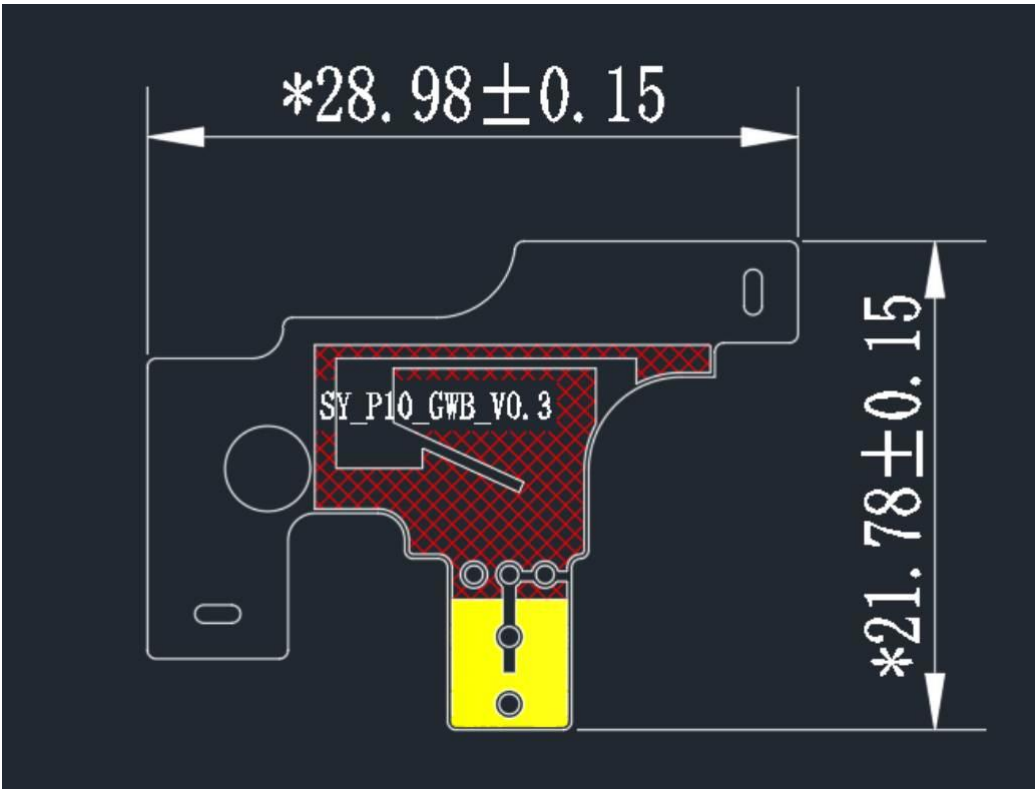
2. WiFi antenna



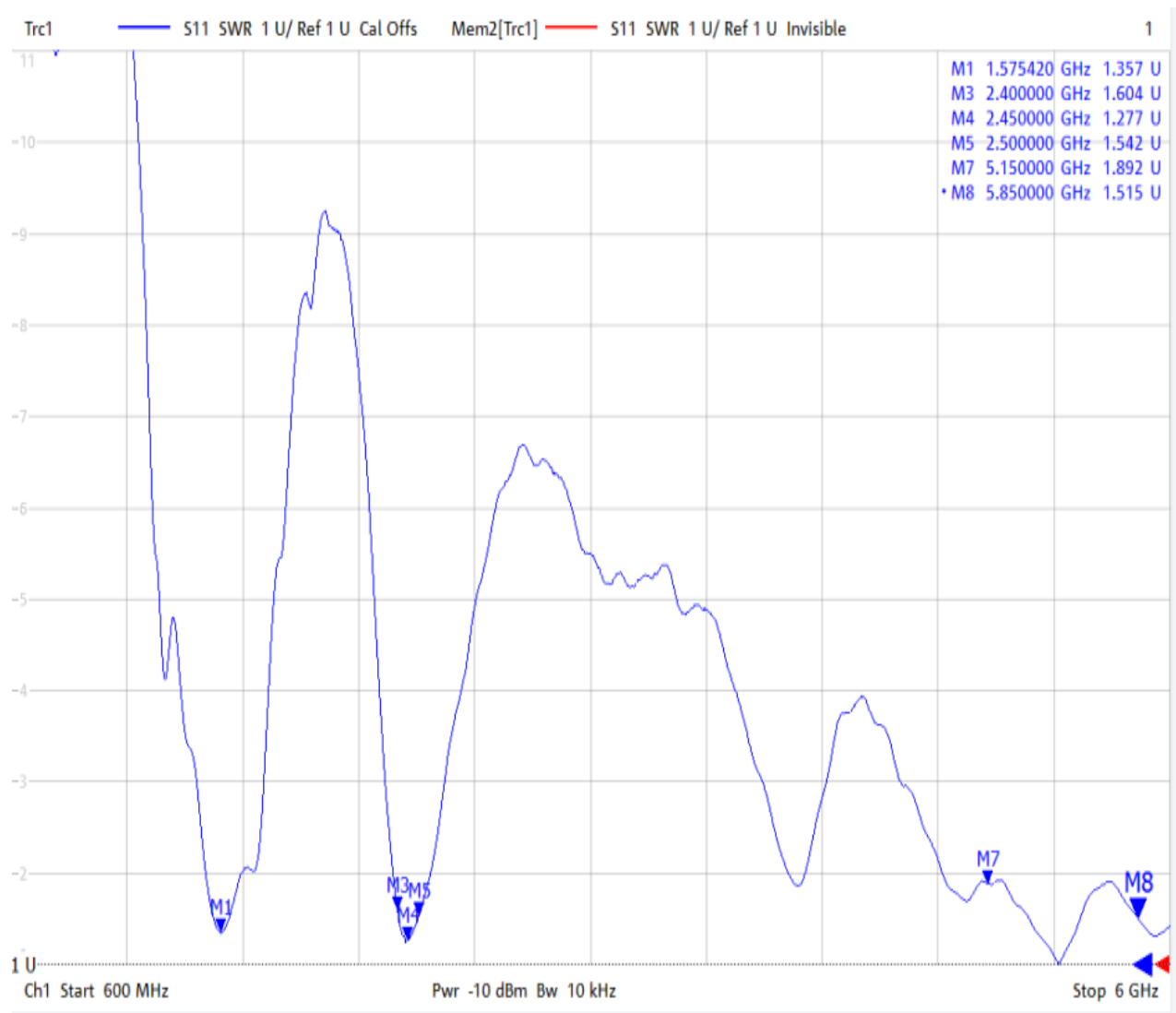
2.1 Specifications

Specifications	
Operating frequency	2412MHz to 2472MHz EU Version
	2412MHz to 2462MHz US Version
	5150MHz to 5250MHz
	5250MHz to 5350MHz
	5470MHz to 5720MHz
	5745MHz to 5850MHz
Antenna type	FPC
Antenna gain 2.4GHz	+3.36 dBi
Antenna gain 5GHz	+2.34 dBi

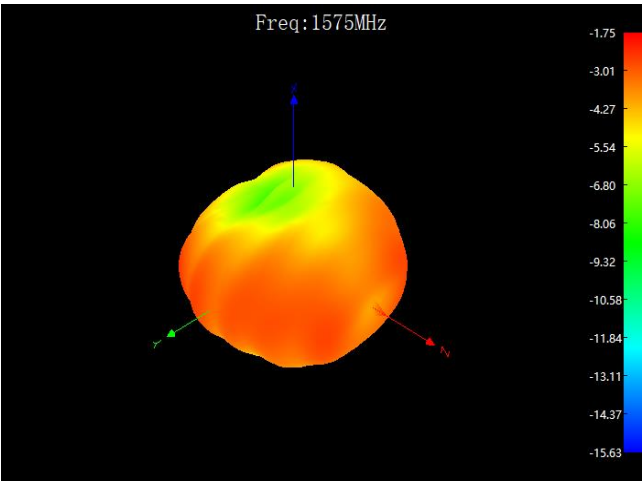
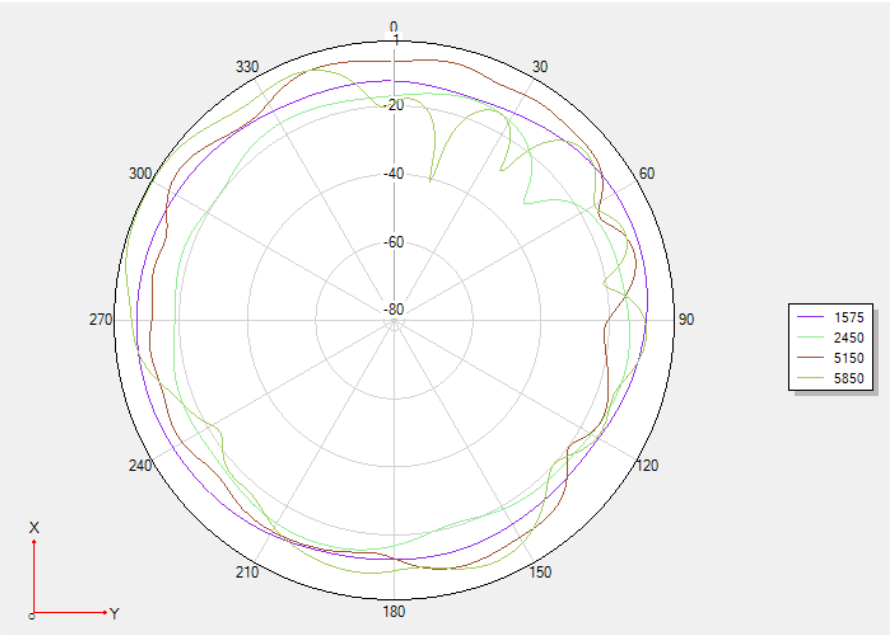
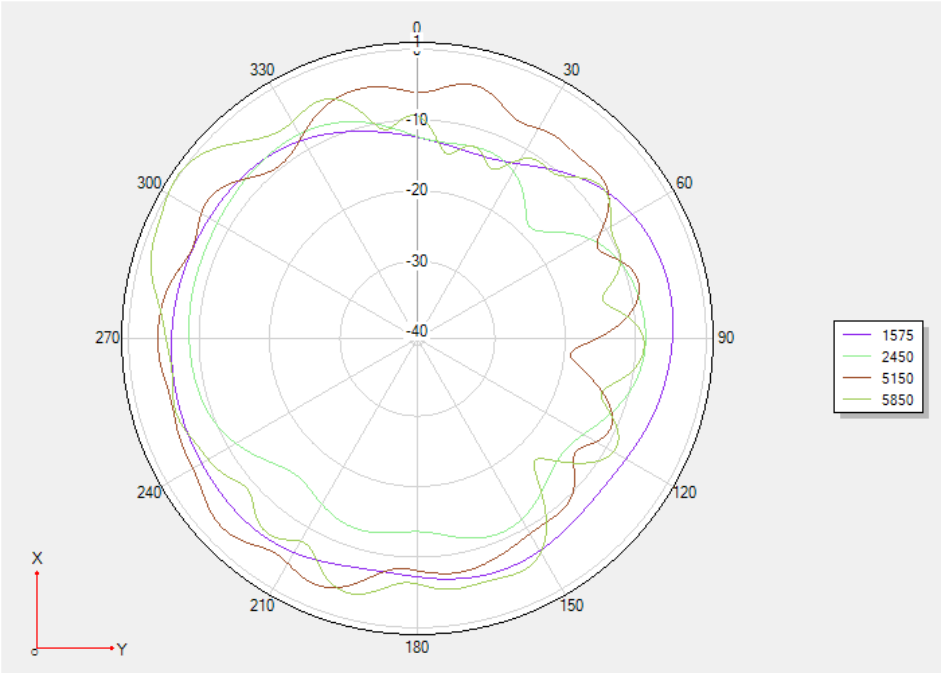
2.2 Dimensions (Unit: mm) 28.98 x 27.78

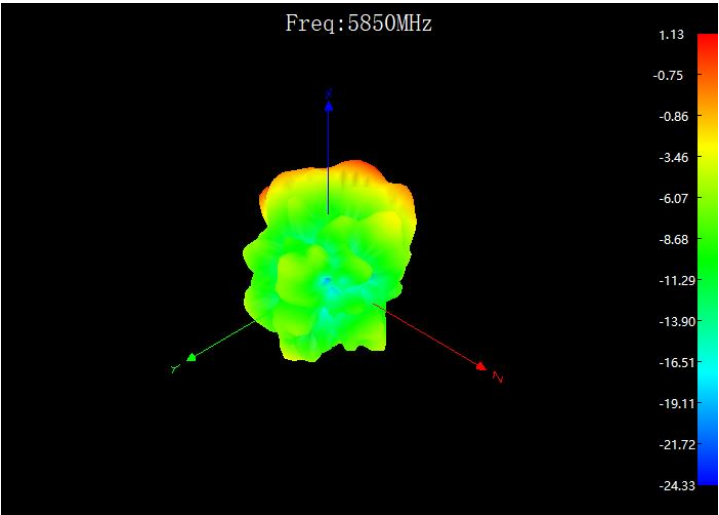
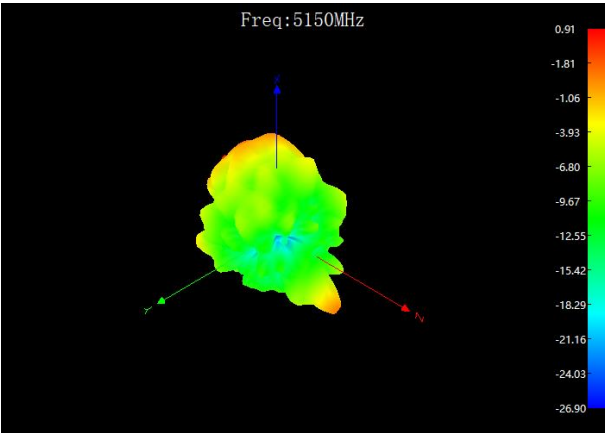
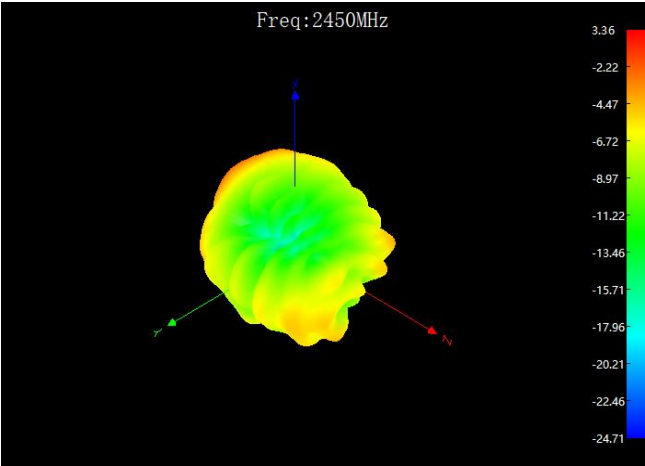


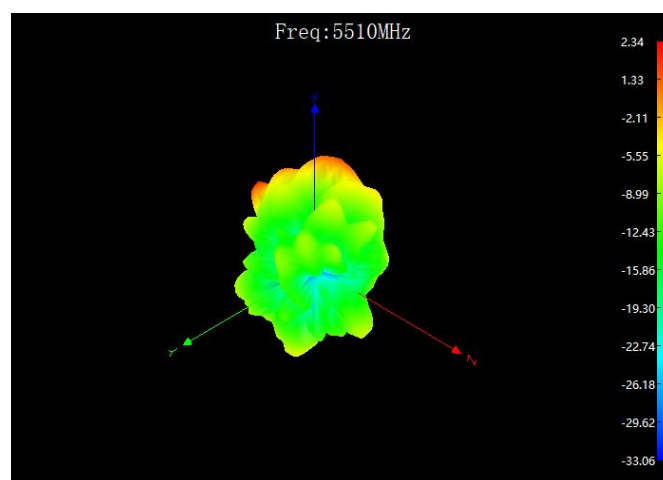
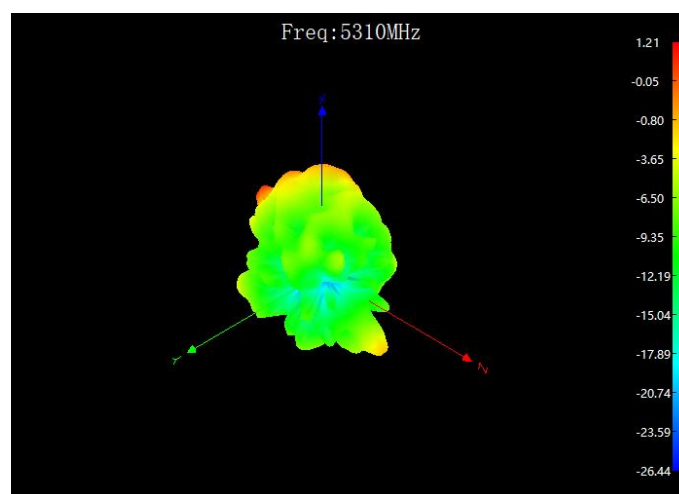
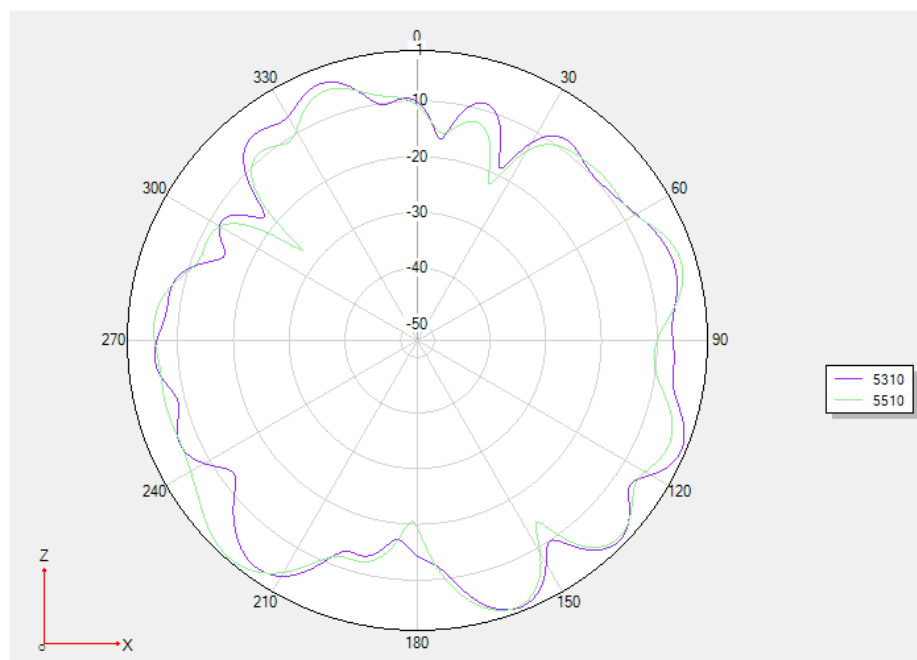
2.3 VSWR



2.4 Antenna Gain:







Frequency/Mhz	Efficiency / %	MaxGain/dBi
1550	37,82	0,33
1555	38,68	0,87
1560	40,59	1,59
1565	38,5	1,8
1570	39,18	1,65
1575	36,65	1,63
1580	35,69	1,65
1585	34,79	1,49
1590	34,29	1,28
1595	31,67	0,87
1600	30,54	0,84
1605	29,58	0,18
1610	29,11	0,06
1615	27,16	0,04
1620	24,81	0,8
1574	32,12	-0,81
1575	32,59	-0,77
2400	33,52	2,87
2410	33,35	3,29
2420	35,94	3,36
2430	35,36	3,36
2440	35,79	2,69
2450	36,16	3,17
2460	36,35	3
2470	37,05	3,25
2480	38,38	3,27
2490	37,36	3,36
2500	35,28	2,29
5150	24,95	0,91
5250	22,57	0,55
5300	21,99	1,02
5310	21,55	1,21
5400	21,35	1,38
5450	19,01	1,47
5510	17,82	2,34
5550	18,96	1,96
5600	22,89	1,36
5650	22,82	1,73
5700	20,75	1,16
5750	20,75	0,99
5800	22,39	0,46
5850	20,97	1,13
5900	22,59	1,29

2.5 Manufacturer

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