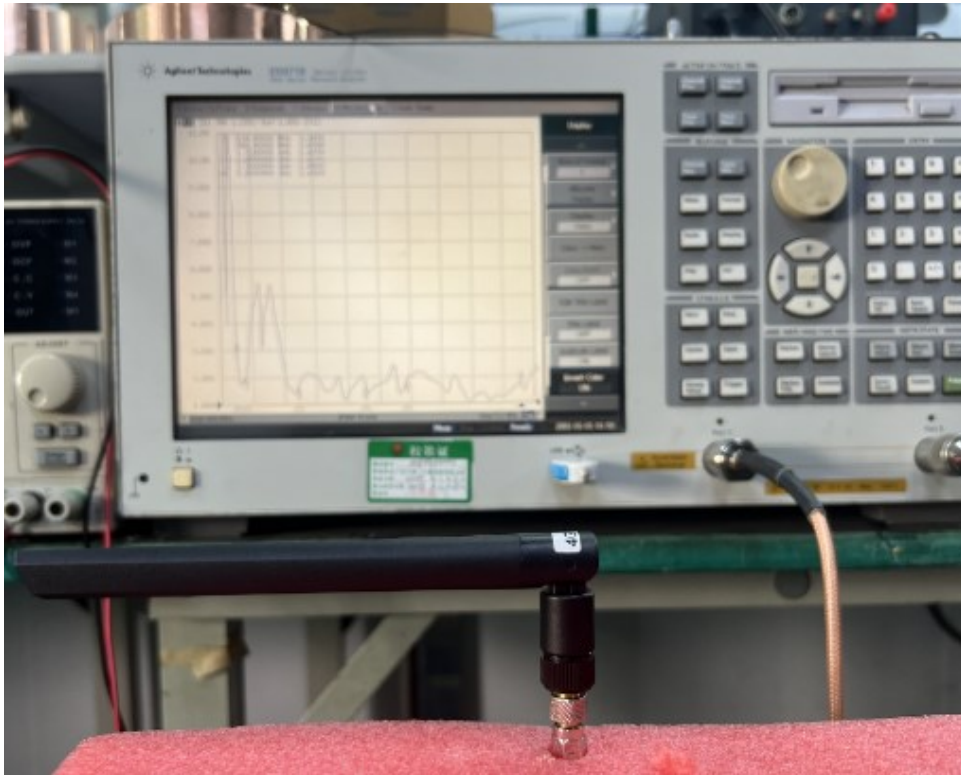
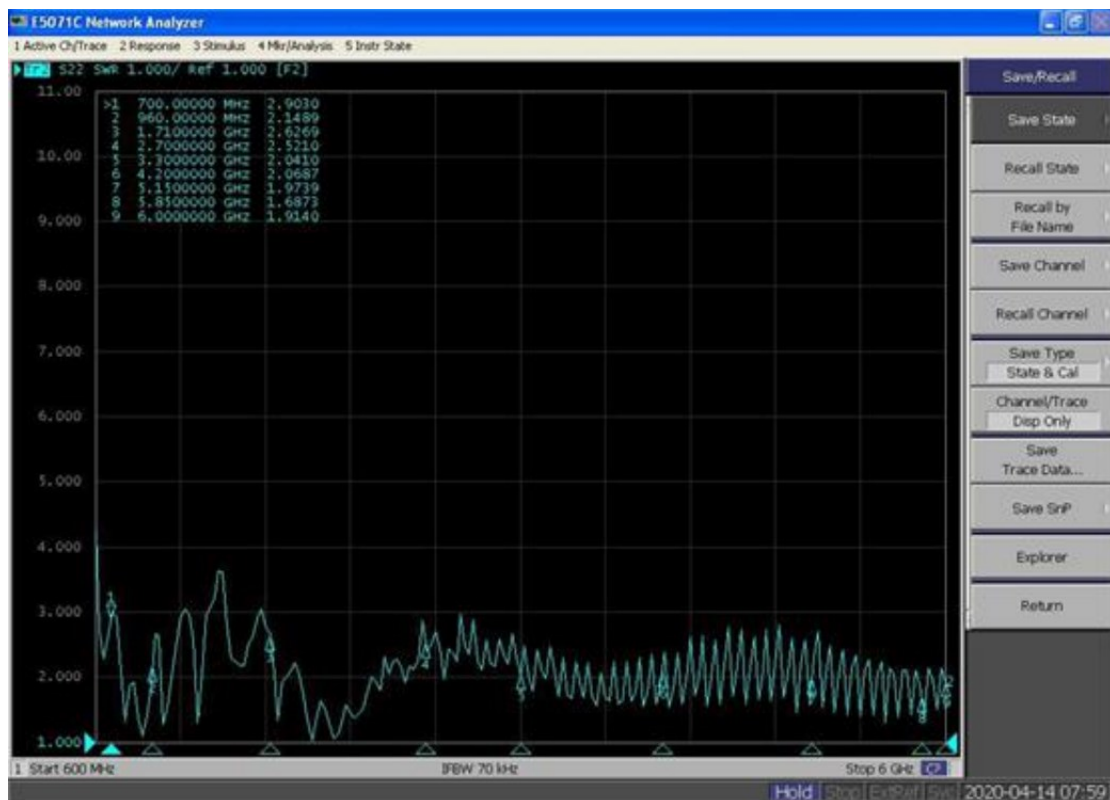


Customer	TIAMAES
Project	<i>/</i>
Antenna Revision	X/0
Product Description	4G rubber rod antenna
Company	VLG
Address	Taohuayuan Science and Technology Innovation Eco-Park, Xixiang, Bao'an District, Shenzhen

1. Test system connection



2. VSWR test diagram:



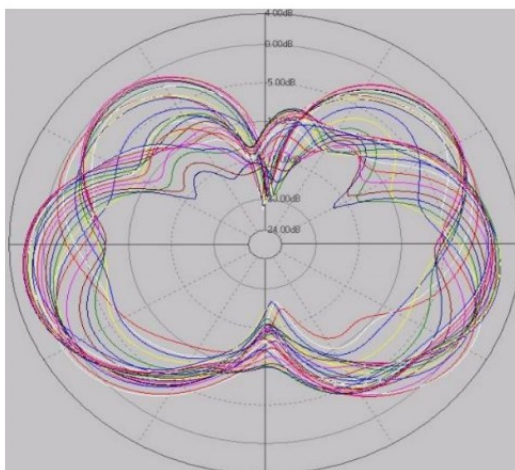
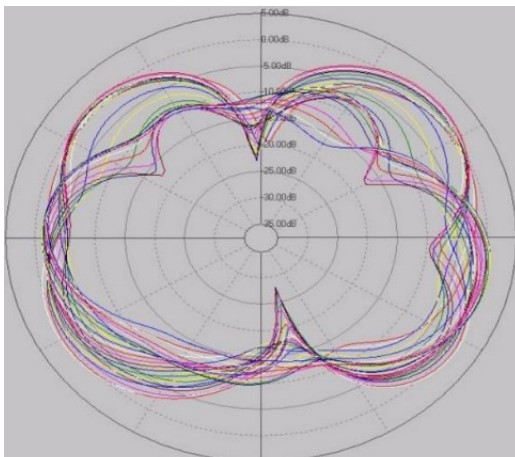
3. OTA passive test data:

Frequency (MHz)	Efficiency(%)	Gain (dBi)
700	45%	0.5
710	42%	0.2
720	35%	-0.6
730	35%	-0.6
740	43%	0.4
750	48%	0.8
760	51%	0.9
770	62%	1.4
780	70%	1.6
790	69%	1.9
800	49%	0.7
810	44%	0.5
820	42%	0.7
830	43%	1.1
840	45%	1.4
850	50%	2.0
860	55%	2.4
870	59%	2.7
880	61%	2.7
890	61%	2.7
900	60%	2.5
910	59%	2.5
920	57%	2.5
930	53%	2.4
940	50%	2.2
950	47%	1.8
960	43%	1.3
1700	26%	-1.0
1725	25%	-0.5
1750	27%	-0.3
1775	33%	0.7
1800	33%	1.0
1825	33%	0.9
1850	34%	1.1
1875	32%	1.0
1900	34%	1.6
1925	36%	2.5
1950	36%	3.1
1975	34%	2.5
2000	33%	1.3
2025	34%	1.5
2050	38%	1.8

2075	43%	2. 1
2100	47%	2. 8
2125	49%	3. 1
2150	49%	3. 0
2175	47%	2. 8
2200	46%	3. 4
2225	47%	4. 0
2250	46%	4. 0
2275	45%	4. 0
2300	43%	4. 5
2325	38%	3. 6
2350	38%	2. 9
2375	38%	2. 5
2400	37%	2. 2
2425	37%	2. 2
2450	36%	2. 5
2475	34%	2. 5
2500	37%	2. 8
2525	35%	2. 9
2550	32%	2. 5
2575	34%	2. 2
2600	35%	2. 8
2625	35%	2. 6
2650	33%	2. 4
2675	32%	2. 4
2700	33%	2. 4

4. OTA Direction Pattern

700-900MHZ 方向图:



1701-2700MHZ 方向图:

