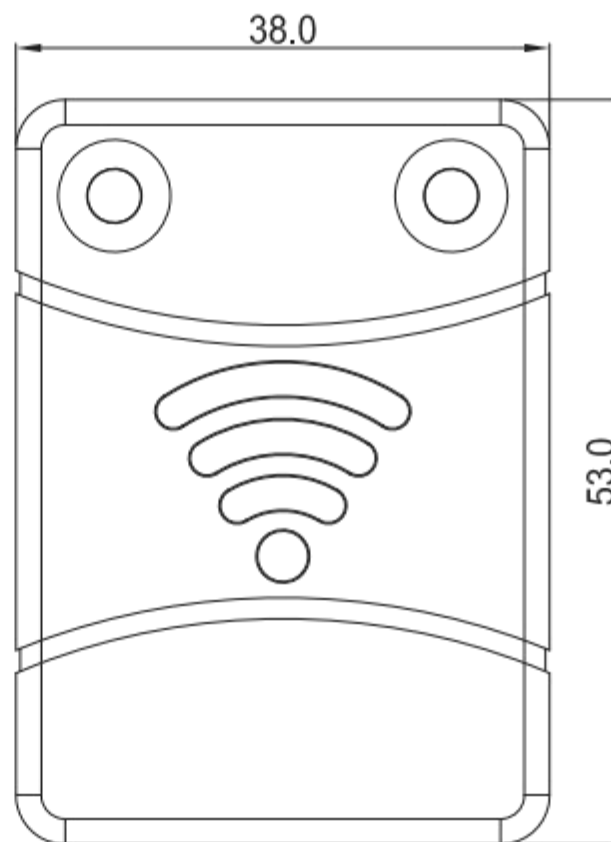
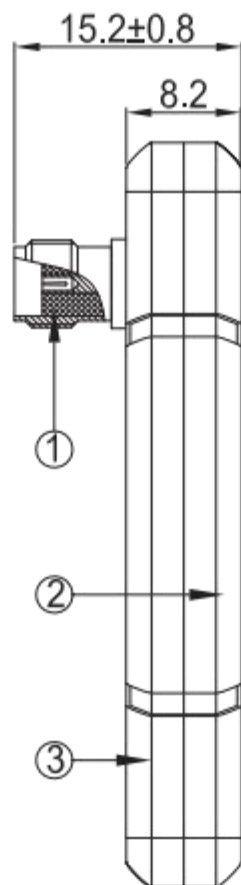


RoHS
Compliance

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2017.07.25



3	Lower Cabinet	53.0*38.0mm	ABS	PAL100XXA.P01	1
2	Top Cabinet	53.0*38.0mm	ABS	PAL100XXA.P01	1
1	SMA Female	Au Plated	Cu	CON100XXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY

PART NAME: RF Antenna					
PART NO.: YJ006A.100009.A01			DATE: 2017-07-25		
APPROVED BY	CHECKED BY	DESIGNED BY	 UNITS: mm SCALE: 1/1 REVISION: A	Tolerance	
陈国强	文雪	陈兴成		X.X ±0.50	
				X.XX±0.15	
					X° ±3°

天线规格

Antenna Specification

Electrical Properties	
Frequency	824-960MHz 1710-2690MHz
Impedance	50 Ohm Nominal
V.S.W.R	See Page 6
Return Loss	See Page 6
Radiation	Omni-directional
Gain (Peak)	See Page 9 ~ 11
Polarization	Linear
Connector	SMA Female
Physical Properties	
Antenna Material	ABS
Cable Type	None
Operating Temp.	-10 ~ +60。 C
Storage Temp.	-10 ~ +70。 C
Cable Color	Black

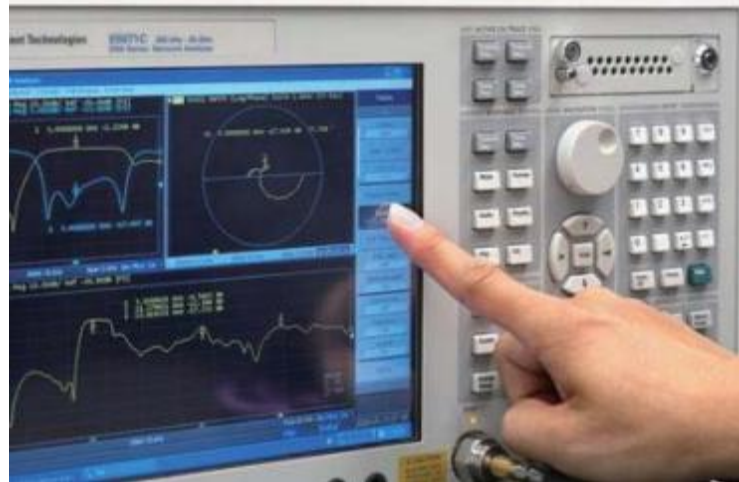
天线规格

Antenna Specification

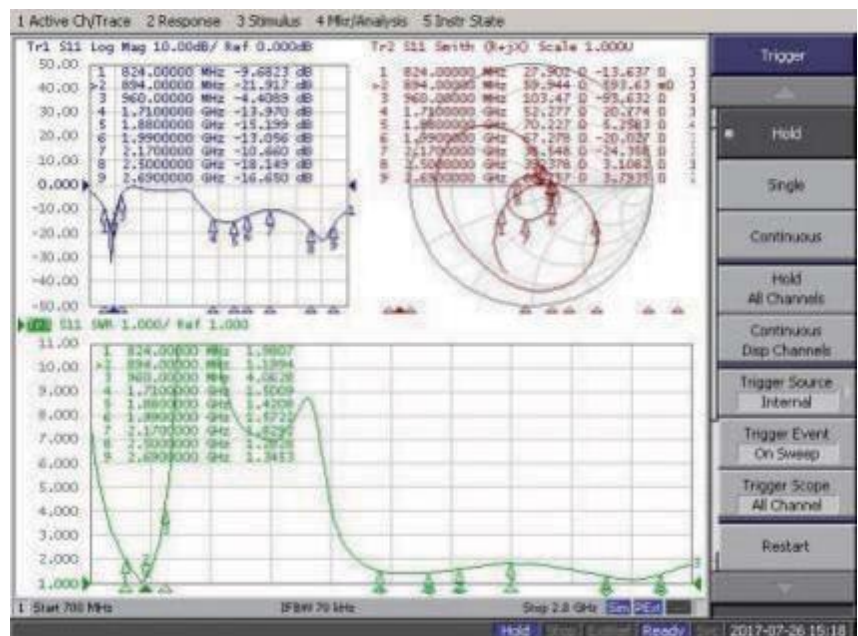
Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	See Page 7
Return Loss	See Page 7
Radiation	Omni-directional
Gain (Peak)	See Page 12~13
Polarization	Linear
Connector	SMA Female
Physical Properties	
Antenna Material	ABS
Cable Type	None
Operating Temp.	-10 ~ +60。 C
Storage Temp.	-10 ~ +70。 C
Cable Color	Black

Antenna Performance Test

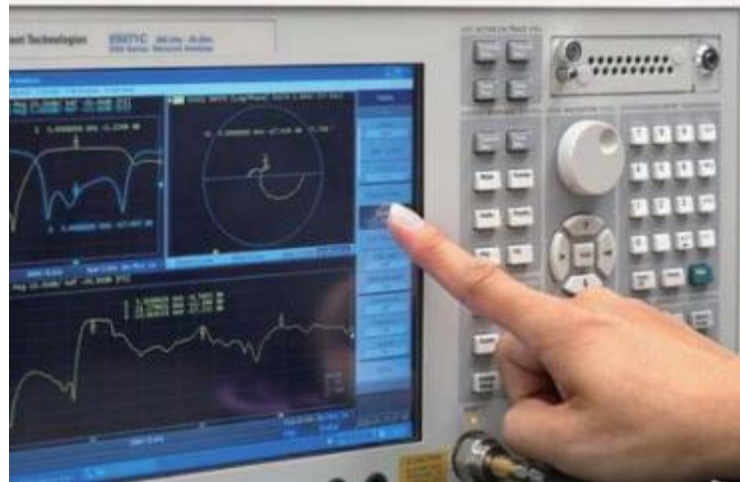
**Agilent
E5071B**



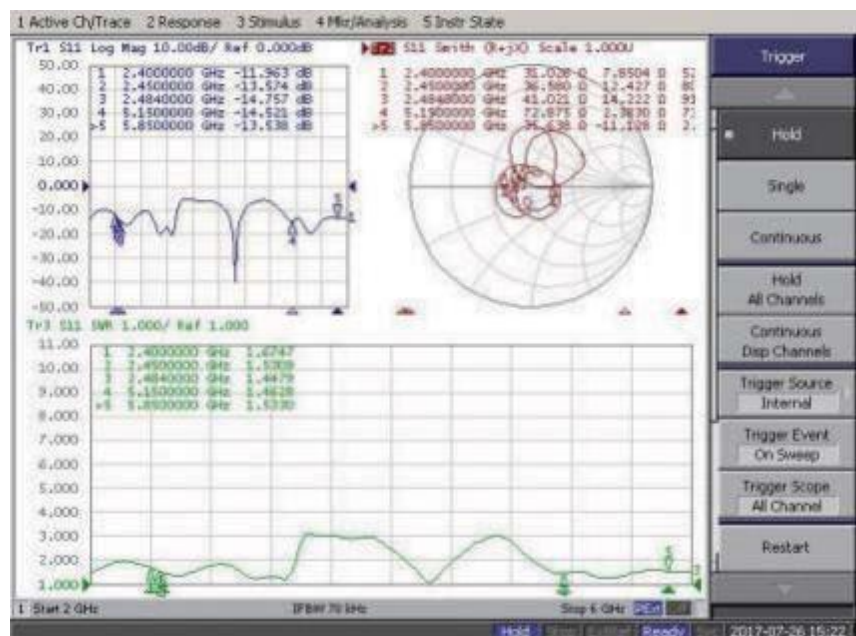
**S
Parameter
Test//
4G**



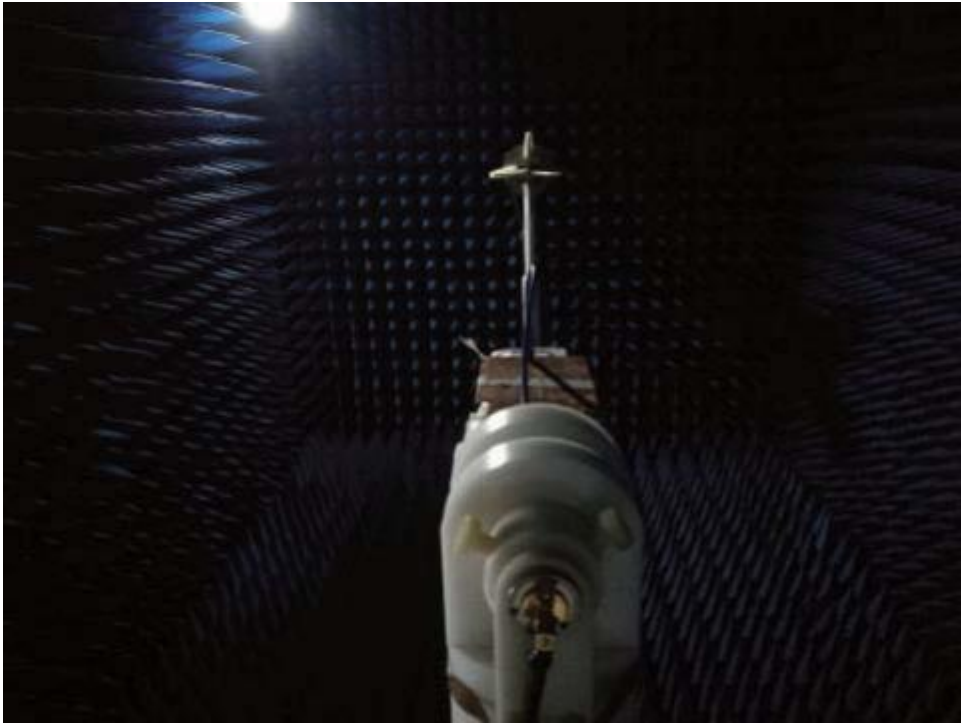
Agilent E5071B



S Parameter Test// WiFi



Antenna Passive Test



passive Test For LTE

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
820	32.0	-5.0	-2.6
830	33.4	-4.8	-2.7
840	36.1	-4.4	-2.3
850	37.4	-4.3	-2.1
860	37.6	-4.3	-1.8
870	38.8	-4.1	-1.4
880	40.1	-4.0	-1.0
890	41.1	-3.9	-0.8
900	43.3	-3.6	-0.6
910	45.1	-3.5	-0.6
920	45.1	-3.5	-0.8
930	43.5	-3.6	-0.8
940	38.4	-4.2	-1.1
950	32.6	-4.9	-1.7
960	25.0	-6.0	-3.1

passive Test For LTE

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
1700	44.8	-3.5	-0.2
1740	43.5	-3.6	-0.4
1780	42.9	-3.7	-0.5
1820	42.1	-3.8	-1.1
1860	42.1	-3.8	-1.0
1900	42.9	-3.7	-1.0
1940	40.1	-4.0	-1.4
1980	40.8	-3.9	-1.4
2020	38.3	-4.2	-2.1
2060	36.5	-4.4	-2.2
2100	37.1	-4.3	-2.0
2140	35.8	-4.5	-1.6
2180	36.1	-4.4	-0.8

passive Test For LTE

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2300	39.3	-4.1	0.5
2340	38.8	-4.1	0.3
2380	39.8	-4.0	-0.1
2420	41.7	-3.8	0.0
2460	41.2	-3.9	0.3
2500	40.7	-3.9	0.6
2540	40.5	-3.9	0.9
2580	39.8	-4.0	1.0
2620	38.1	-4.2	0.9
2660	41.6	-3.8	1.2
2700	35.0	-4.6	0.2

passive Test For wiFi (2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	41.1	-3.9	0.0
2410	41.2	-3.9	0.0
2420	41.3	-3.8	0.0
2430	41.0	-3.9	0.1
2440	41.9	-3.8	0.2
2450	41.9	-3.8	0.3
2460	40.9	-3.9	0.2
2470	40.8	-3.9	0.2
2480	40.0	-4.0	0.2
2490	39.7	-4.0	0.4
2500	40.5	-3.9	0.6

passive Test For W, F, (5.8G)

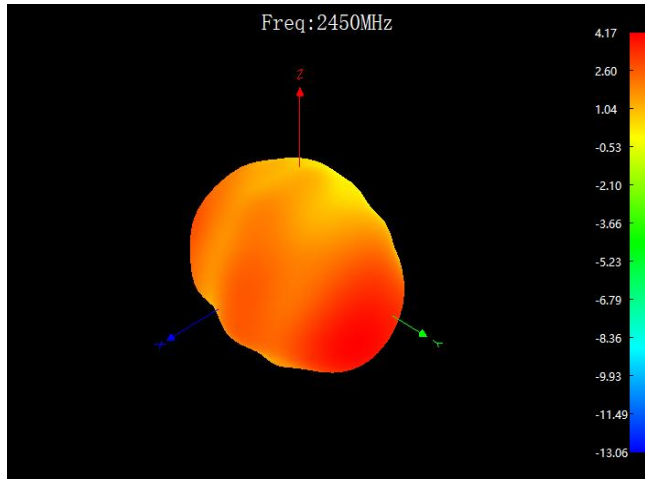
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	31.6	-5.0	0.0
5200	31.9	-5.0	0.2
5250	34.0	-4.7	-0.5
5300	35.0	-4.6	-0.6
5350	32.9	-4.8	-1.0
5400	35.6	-4.5	-0.8
5450	36.7	-4.4	-0.7
5500	36.5	-4.4	-0.7
5550	36.7	-4.4	-0.5
5600	35.0	-4.6	-0.5
5650	38.3	-4.2	0.3
5700	35.9	-4.4	0.5
5750	36.8	-4.3	0.1
5800	36.1	-4.4	-0.1
5850	37.8	-4.2	0.5

Antenna Profile

*Antenna
4G
& WiFi*



2.4G 3D



5.8G 3D

