

APULSETECHNOLOGY Co., Ltd

APPROVAL SHEET

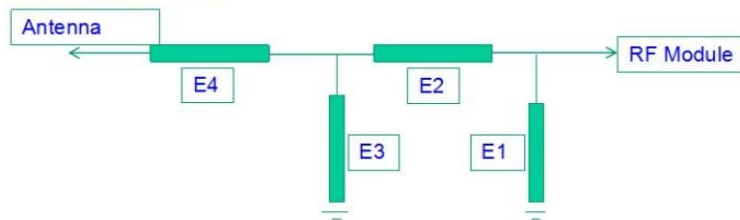
WLAN Antenna	
MODEL	FREQUENCY
a611-WIFI/BT	2400MHz ~ 2484MHz

ANTENNA SPECIFICATION

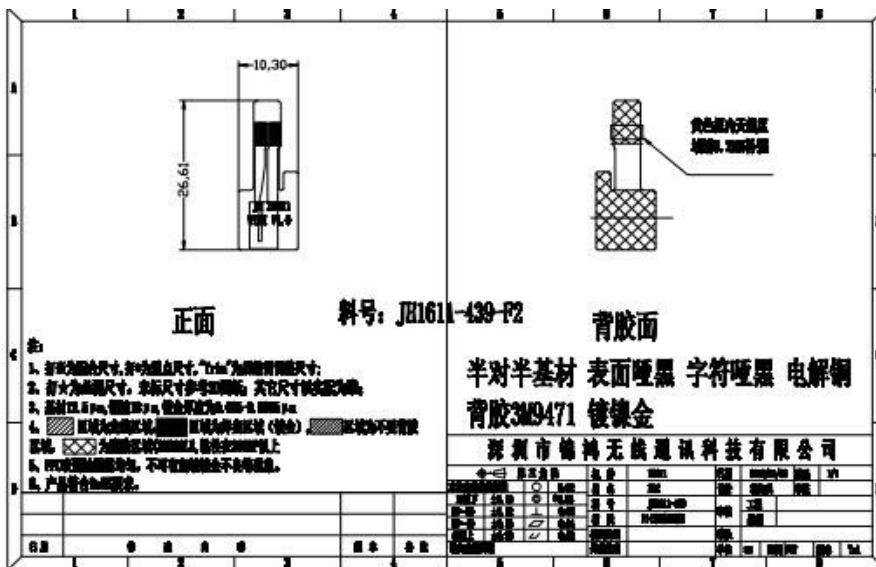
1. Model Name : a611-WIFI/BT
2. Antenna Type : PIFA Antenna
3. Features
 - For WLAN Application
4. Antenna Drawing



匹配电路: 否



主天线		分集天线		GPS三合一天线	
Element	Value	Element	Value	Element	Value
E1 (0402)		E1 (0402)		E1 (0402)	
E2 (0402)		E2 (0402)		E2 (0402)	
E3 (0402)		E3 (0402)		E3 (0402)	
E4 (0402)		E4 (0402)		E4 (0402)	



5. Electrical Properties

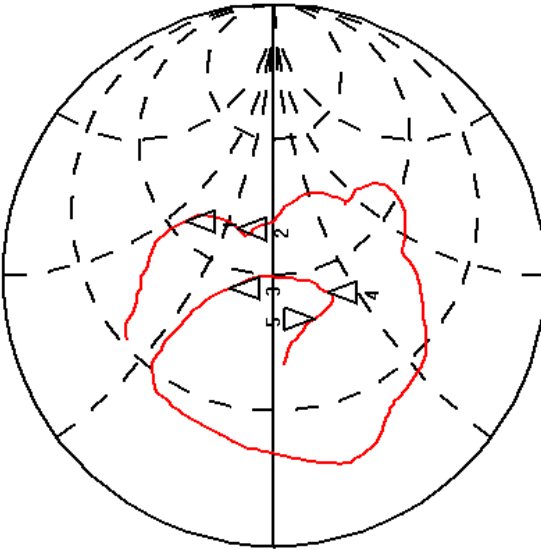
5. 2400MHz ~ 2484MHz

No.	ELECTRICAL DATA	SPECIFICATION	REMARK
1	Frequency Range	2400MHz ~ 2484MHz	
2	Impedance	50Ω	
3	V.S.W.R	Less Than 1:2.0	
4	Gain	0.07dBi	
5	Radiation Pattern	OMNI-Directional	
6	Polarization	VERTICAL	

6. VSWR

CH1 S11 1 U FS 23 Jan 2014 10:09:06
 5: 34.855 Ω -10.885 Ω 2.5210 pF 5 800.000 000 MHz

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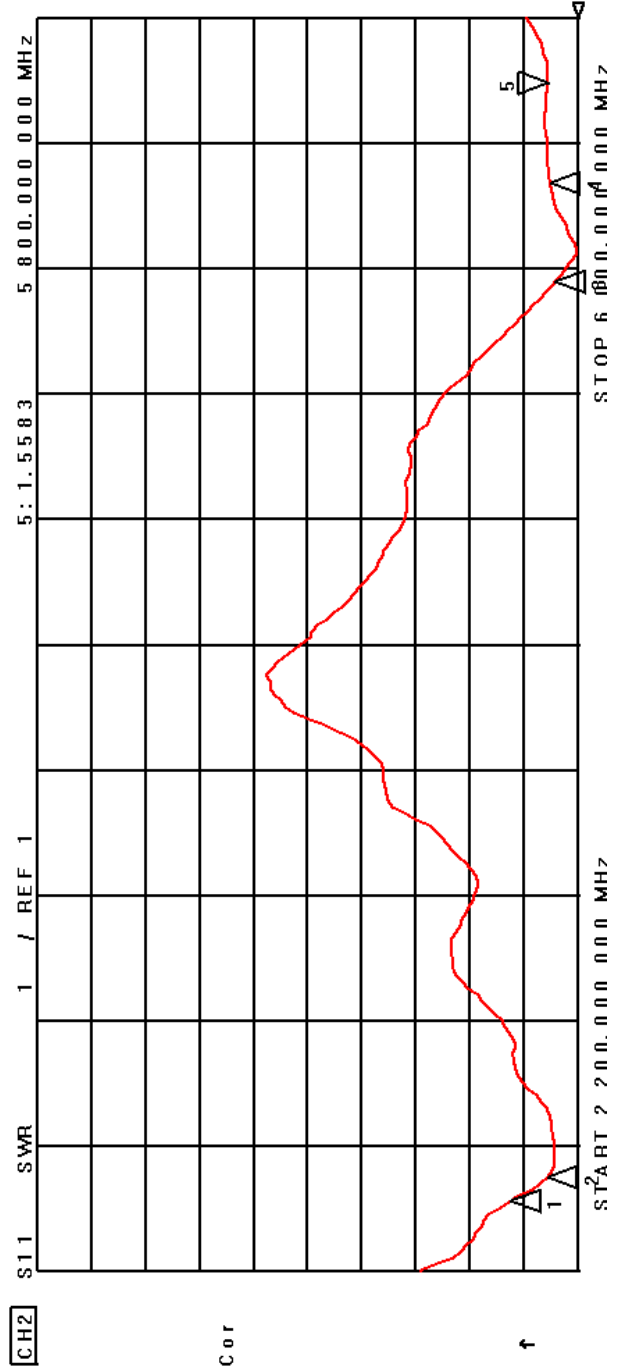


CH1 Markers
 1: 57.350 Ω
 43.859 Ω
 2.41200 GHz
 2: 67.539 Ω
 19.797 Ω
 2.48400 GHz
 3: 43.197 Ω
 14.801 Ω
 5.20000 GHz
 4: 41.098 Ω
 -16.932 Ω
 5.50000 GHz

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7. Radiation Pattern

7-1. 2400MHz ~ 2484MHz

Antenna Test Report (Passive-BW)

Date: **2018-02-22**

Comments:

This antenna is good. Yeah!

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dBi)	Efficiency (%)	Efficiency (dB)	Max (dBm)	Theta of Max	Phi of Max	Min (dBm)	Theta of Min	Phi of Min	AVG (dBm)	Max/Min (dB)	Max/AVG (dB)	Min/AVG (dB)
1	2400.0	2400.00	-1.05	3.88	32.2%	-4.93	-1.05	150	0	-95.99	0	0	-5.65	94.94	4.60	-90.34
2	2410.0	2410.00	-1.09	3.96	31.3%	-5.05	-1.09	150	0	-95.99	0	0	-5.73	94.90	4.64	-90.26
3	2420.0	2420.00	-0.65	4.18	32.9%	-4.83	-0.65	150	0	-95.99	0	0	-5.33	95.34	4.68	-90.66
4	2430.0	2430.00	-0.33	4.57	32.4%	-4.90	-0.33	150	0	-95.99	0	0	-4.94	95.66	4.61	-91.05
5	2440.0	2440.00	-0.49	4.64	30.7%	-5.13	-0.49	150	0	-95.99	0	0	-5.13	95.50	4.63	-90.86
6	2450.0	2450.00	0.07	4.51	36.0%	-4.44	0.07	150	0	-95.99	0	0	-4.42	96.06	4.49	-91.57
7	2460.0	2460.00	-0.50	4.42	32.2%	-4.92	-0.50	150	0	-95.99	0	0	-4.83	95.49	4.33	-91.16
8	2470.0	2470.00	-0.48	4.28	33.4%	-4.76	-0.48	150	0	-95.99	0	0	-4.74	95.51	4.26	-91.25
9	2480.0	2480.00	-0.27	4.13	36.3%	-4.40	-0.27	150	210	-95.99	0	0	-4.29	95.72	4.02	-91.70
10	2490.0	2490.00	0.02	4.46	36.0%	-4.44	0.02	150	210	-95.99	0	0	-4.40	96.01	4.42	-91.59
11	2500.0	2500.00	-0.32	4.07	36.4%	-4.39	-0.32	150	210	-95.99	0	0	-4.69	95.67	4.37	-91.30

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APPROVAL SHEET

RFID Antenna	
MODEL	FREQUENCY
a611-RFID	902.75 ~ 927.25 MHz

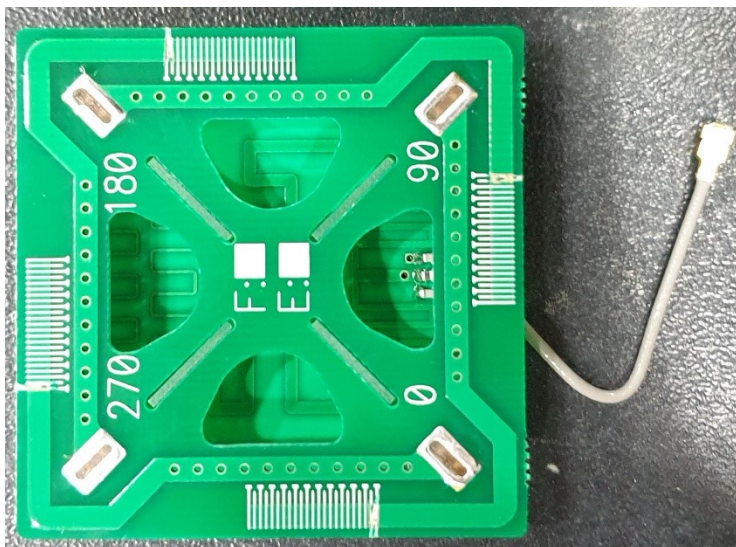


CIRCULARLY POLARIZED ANTENNA AP44-RFID-915UHF DATA SHEET

FEATURES

- FOR UHF RFID APPLICATIONS IN USA
- EXCELLENT AXIAL RATIO
- WIDE BANDWIDTH
- COMPACT SIZE AND LIGHT WEIGHT

MODEL	AP44-RFID-915UHF
Manufacture	Apulsetech
Type	PCB Patch
Polarization	LHCP
Frequency Range	902 – 928 MHz
Gain (Circular Polarization)	0.89dBi (Max)
Beam Width (°)	Hor:120, Ver :130
VSWR	1.5 : 1 MAX
Power Handling	3W MAX
SIZE	44(L)X44(W)X8(T)mm
LENGTH	10cm



RADIATION PATTERN

