

TP-LINK®

Antenna Specification



Product Number:

Product Name: Antenna

TP-LINK®

Specification For Approval

Date: _____

File No. : _____

Version: 1.0

Customer: _____ / _____

Customer P/N : _____ / _____

TP-LINK P/N: _____

Description: Archer AXE300(US)1.0

TP-LINK Checked By:

Customer Approved By:

TP-LINK®

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Product Number:
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Index

I. Specification	1
II. Antenna – Radiation Pattern Test Data	2

Product Number:

Product Name: Antenna

TP-LINK®

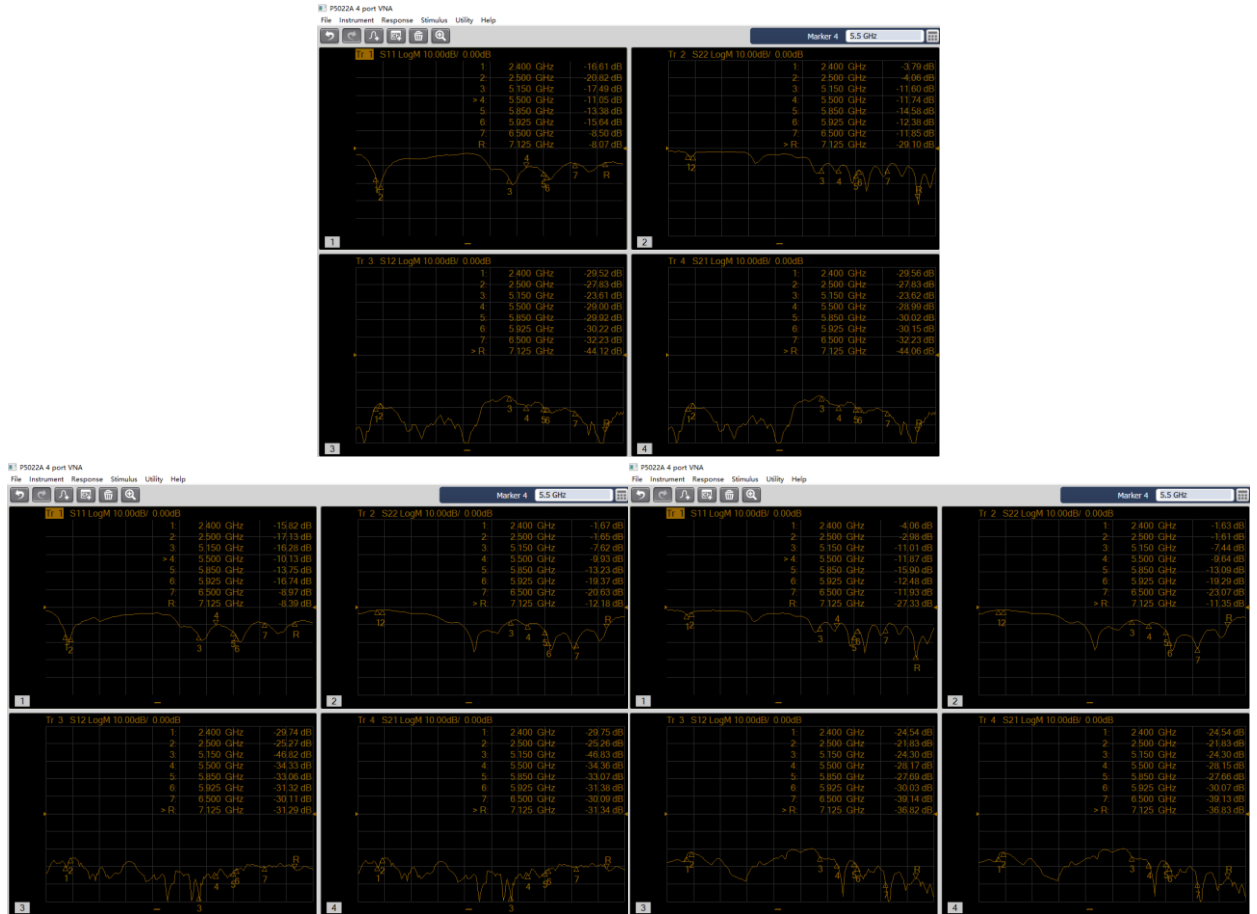
I. Specification

A. Electrical Characteristics	
Frequency	2400~2500MHz&5150~5850MHz&5925~7125MHz
Impedance	50 Ohm
S.W.R.	<= 2.0
Antenna Type	dipole
Antenna Gain	2.91dBi@2.4~2.5GHz&3.13dBi@5.15~5.85GHz &3.10dBi@5.925~7.125GHz
Polarization	Linear
Radiation pattern	Omni-Directional

II. Antenna – Radiation Pattern Test Data

Testing Equipment Specification	
Microwave Chamber	ETS
Testing Equipment	Agilent 5071B

S 参数



PeakGain

2G

Freq (MHz)	Peak Gain										
	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Ant1	1.53	1.28	1.41	1.58	1.73	1.61	1.68	2.09	2.49	2.78	2.65
Ant2	2.70	2.40	2.05	2.09	2.23	2.56	2.69	2.88	2.84	2.91	2.83
Ant3	1.57	1.94	2.05	1.99	2.36	2.73	2.91	2.91	2.75	2.45	1.96
Ant3	1.75	1.52	1.30	1.26	1.27	1.67	1.89	2.02	2.06	2.34	2.45

5G1

Peak Gain							
Freq	5150	5200	5250	5300	5350	5400	5450
Ant1	3.02	2.99	2.92	3.07	3.07	2.71	2.68
Ant2	2.97	2.85	2.81	2.99	2.32	2.33	2.45
Ant3	2.86	3.01	3.01	2.83	2.29	1.93	2.59
Ant4	2.97	2.88	3.05	3.08	2.99	2.64	2.90

5G2

Peak Gain								
Freq	5500	5550	5600	5650	5700	5750	5800	5850
Ant5	2.55	2.70	3.13	2.57	2.22	2.62	2.47	2.97
Ant6	2.22	2.28	3.01	3.13	2.83	2.64	2.80	2.76
Ant7	2.73	2.97	2.62	2.97	2.87	2.67	2.36	2.38
Ant8	2.71	3.06	2.99	2.94	3.02	2.66	2.83	2.87

6G

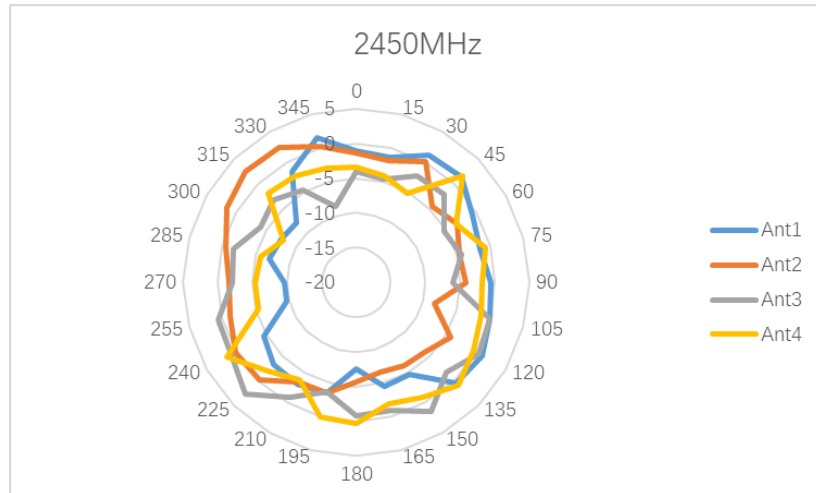
5925~6525MHz

Peak Gain													
Freq	5925	5975	6025	6075	6125	6175	6225	6275	6325	6375	6425	6475	6525
Ant5	1.91	2.69	2.00	2.20	2.81	3.10	3.01	2.80	2.48	2.07	2.78	2.61	2.06
Ant6	2.26	3.10	2.71	2.78	2.93	2.91	2.34	2.86	2.64	2.46	2.93	2.52	1.80
Ant7	2.85	2.72	2.14	2.74	2.86	3.10	2.36	2.21	2.61	2.49	2.65	3.00	2.81
Ant8	2.01	1.82	1.61	2.53	2.52	2.88	2.85	3.07	3.10	2.99	3.01	3.03	2.55

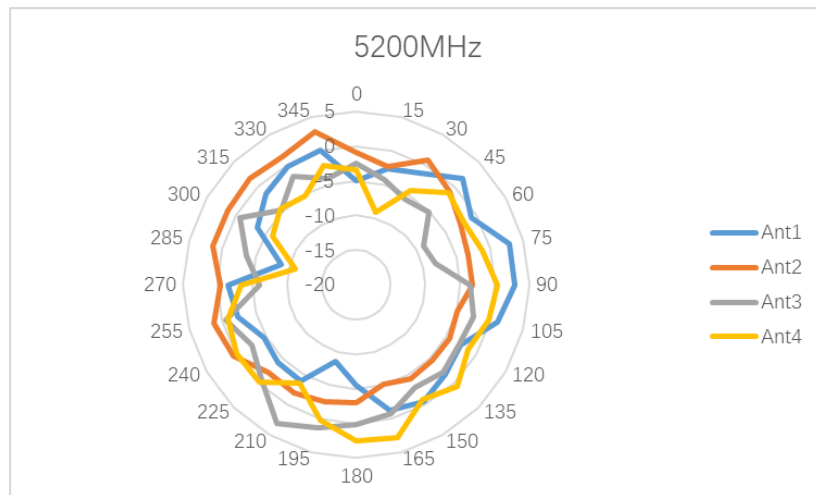
6575~7125MHz

Peak Gain												
Freq	6575	6625	6675	6725	6775	6825	6875	6925	6975	7025	7075	7125
Ant5	2.48	2.12	1.91	2.20	2.44	2.65	2.93	2.42	2.55	1.99	1.40	0.93
Ant6	2.34	2.71	1.54	1.63	1.42	2.16	2.17	1.91	2.24	2.93	2.80	2.80
Ant7	2.56	2.24	2.32	2.50	3.04	2.80	2.09	2.11	1.47	2.23	2.79	2.64
Ant8	2.18	2.03	2.09	1.94	1.72	2.22	2.93	2.29	2.52	2.26	1.72	1.52

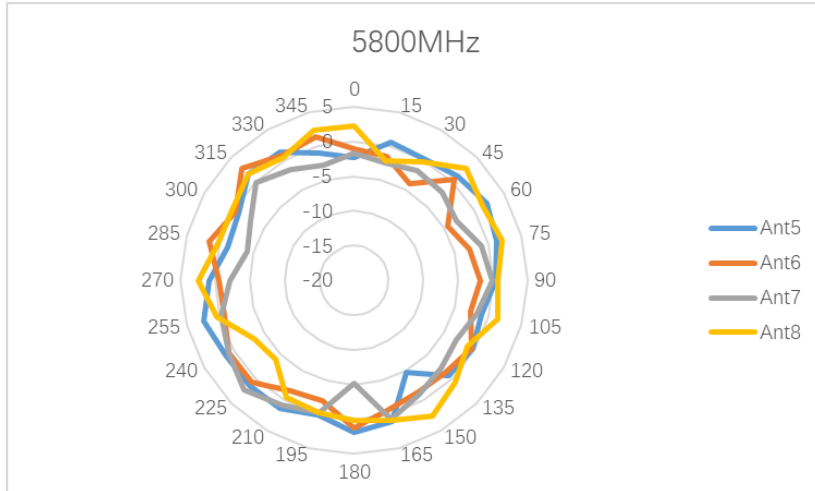
水平方向图
2450MHz



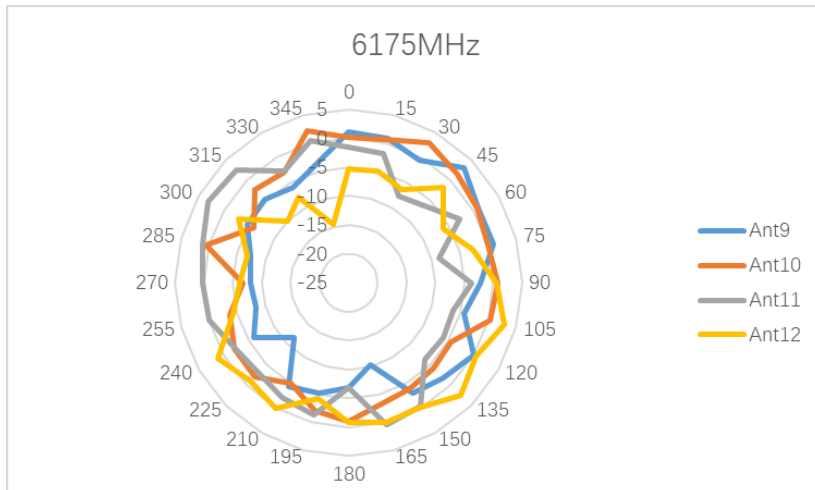
5200MHz



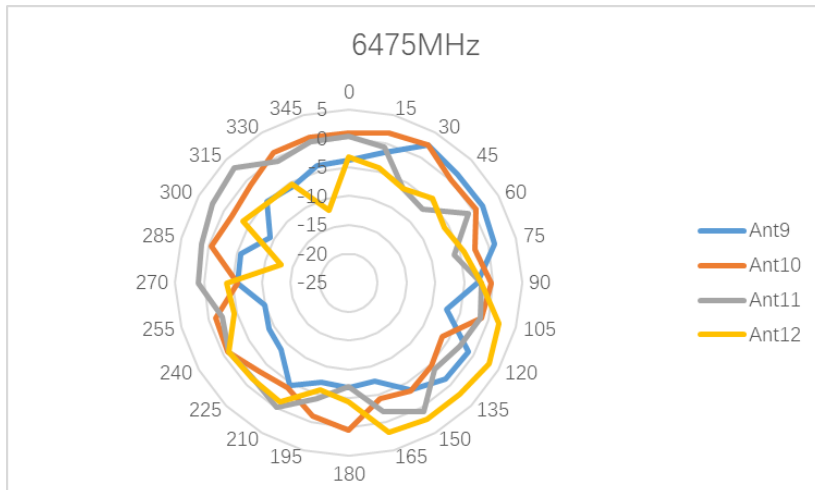
5800MHz



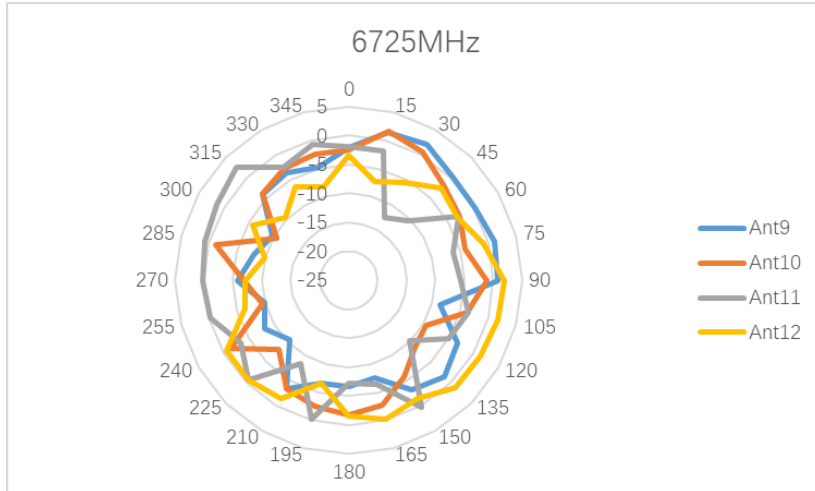
6175MHz



6475MHz



6725MHz



7025MHz

