

TP-LINK®

Antenna Specification



Product Number:

Product Name: Antenna

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Product Number:

Product Name: Antenna

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Specification For Approval

Date: _____

File No. : _____

Version: 1.0

Customer: _____ / _____

Customer P/N : _____ / _____

TP-LINK P/N: _____

Description: RE815X(US) 1.0

TP-LINK Checked By:
Customer Approved By:

TP-LINK®

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I. Specification

A. Electrical Characteristics	
Frequency	2400~2500MHz&5150~5850MHz
Impedance	50 Ohm
S.W.R.	<= 2.0
Antenna Type	Dipole
Antenna Gain	3.0dBi@2.4~2.5GHz 3.0dBi@5.15~5.85GHz
Polarization	Linear
Radiation pattern	Omni-Directional

II. Antenna – Radiation Pattern Test Data

Testing Equipment Specification	
Microwave Chamber	ETS AMS-8923
Testing Equipment	Agilent E5071C

PeakGain

2GHz Peak Gain											
Freq (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Ant1	2.47	2.57	2.51	2.37	2.41	2.62	2.54	2.63	2.79	2.68	3.00
Ant2	2.80	3.00	2.72	2.46	2.39	2.38	2.28	2.29	2.02	1.94	1.95

5G Peak Gain								
Freq (MHz)	5150	5200	5250	5300	5350	5400	5450	5500
Ant1	2.58	2.69	2.57	2.54	2.35	2.44	2.59	2.54
Ant2	2.22	2.92	2.48	2.55	2.24	2.77	2.87	2.45
Freq (MHz)	5550	5600	5650	5700	5750	5800	5850	
Ant3	2.65	2.75	2.39	2.02	2.49	2.00	2.05	
Ant4	2.71	2.24	2.46	3.00	2.65	2.23	2.63	

Efficiency

2GHz Efficiency											
Freq (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Ant1	74.68	74.94	74.67	73.59	73.77	74.06	73.37	72.99	72.49	71.44	71.21
Ant2	76.91	77.85	78.07	77.51	78.12	78.69	78.36	77.84	77.02	75.51	74.73

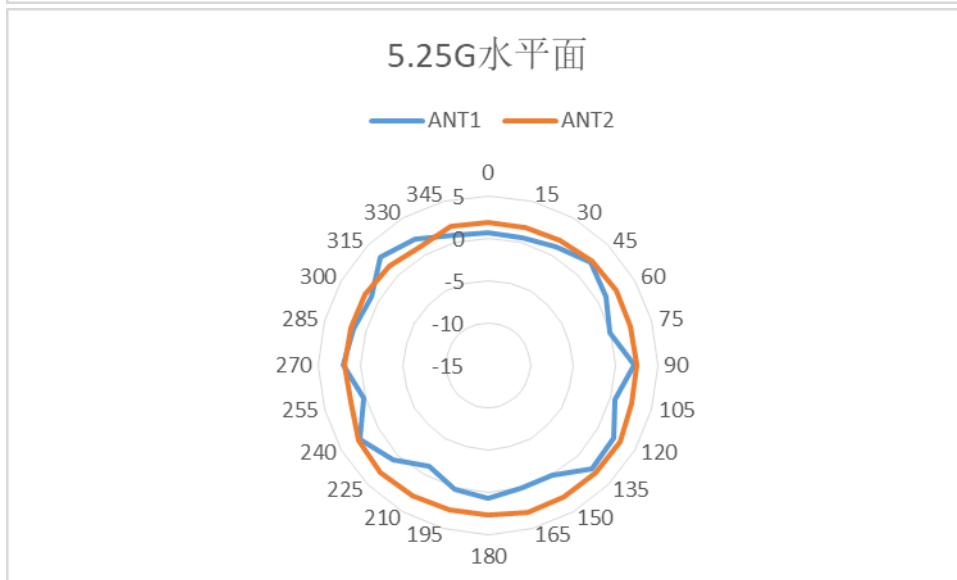
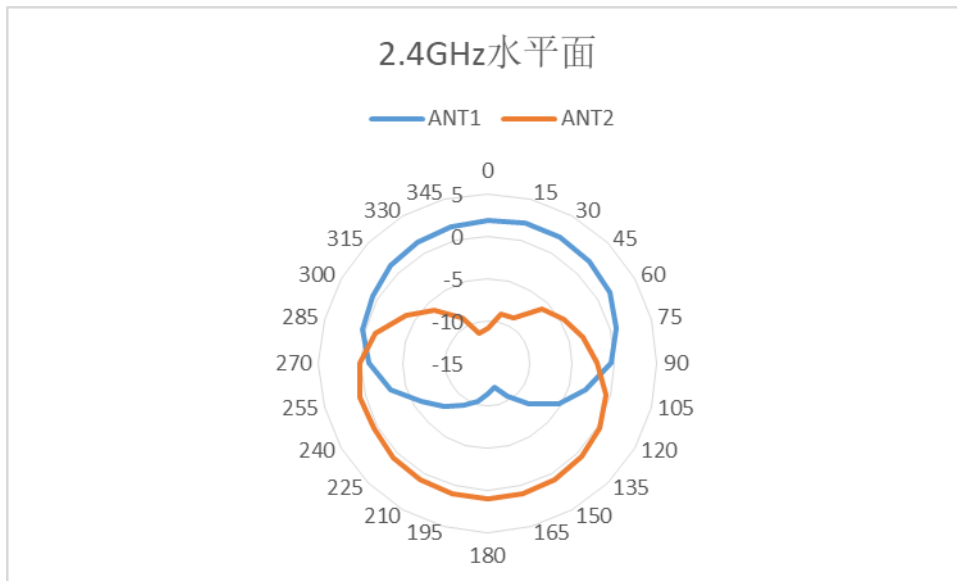
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5G Efficiency								
Freq (MHz)	5150	5200	5250	5300	5350	5400	5450	5500
Ant1	67.39	67.28	66.19	66.61	65.34	66.53	68.09	69.31
Ant2	70.85	69.75	66.72	66.60	65.33	65.32	66.79	68.53
Freq (MHz)	5550	5600	5650	5700	5750	5800	5850	
Ant3	70.24	70.88	73.05	75.68	73.77	73.26	72.57	
Ant4	71.49	71.73	73.88	77.65	78.09	77.27	74.70	

Theta=90°



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