

Product Number: 3101504747

Product Name: Antenna

TP-LINK®

TP-LINK®

Antenna Specification



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Product Number: 3101504747

Product Name: Antenna

TP-LINK®

Specification for Approval

Date: _____

File No.: _____

Version: 1.0

Customer: _____ / _____

Customer P/N: _____ / _____

TP-LINK P/N: 3101504747

Description:

Antenna|2.4-2.5GHz&5.15-5.85GHz|2.0dBi&3.0dBi|LP|Omni|2W|I-
PEX|62mm|D1.37mm|EAP650-Outdoor|无|213886-J1062REV1.0|无|不防水|用于
EAP650-Outdoor(EU)1.0 机型/自制件]

TP-LINK Checked By:
Customer Approved By:

TP-LINK®

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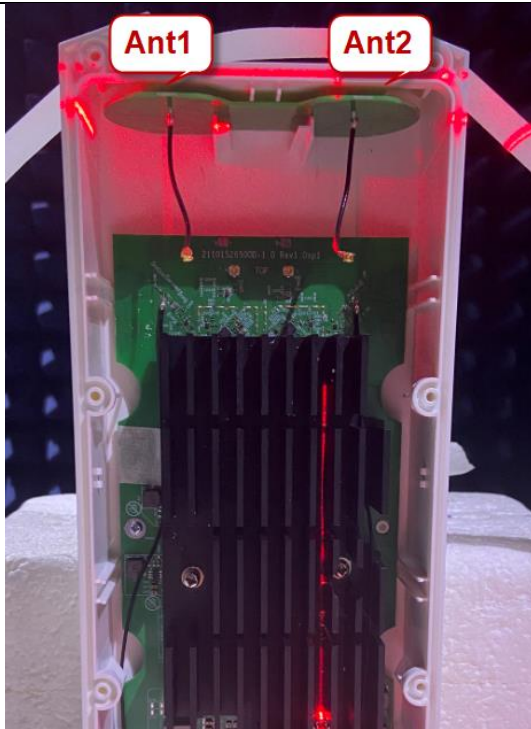
+ 86 755 26504400

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I. Specification

Sample Photo



A. Electrical Characteristics

Frequency	2400~2500MHz&5150~5850MHz
Impedance	50 Ohm
VSWR	≤ 2.0
Antenna Gain	2.0dBi@2.4~2.5GHz 3.0dBi@5.15~5.85GHz
Max Input Power	≤ 2W
Polarization	Linear
Radiation pattern	Omni-Directional

B. Material & Mechanical Characteristics

Material of Radiator	PCB(FR-4+Cu)
Cable Type	O.D. 1.37mm (Black)
Connector Type	I-PEX
Connector Pull Test	1.2 kg

C. Environmental Characteristics

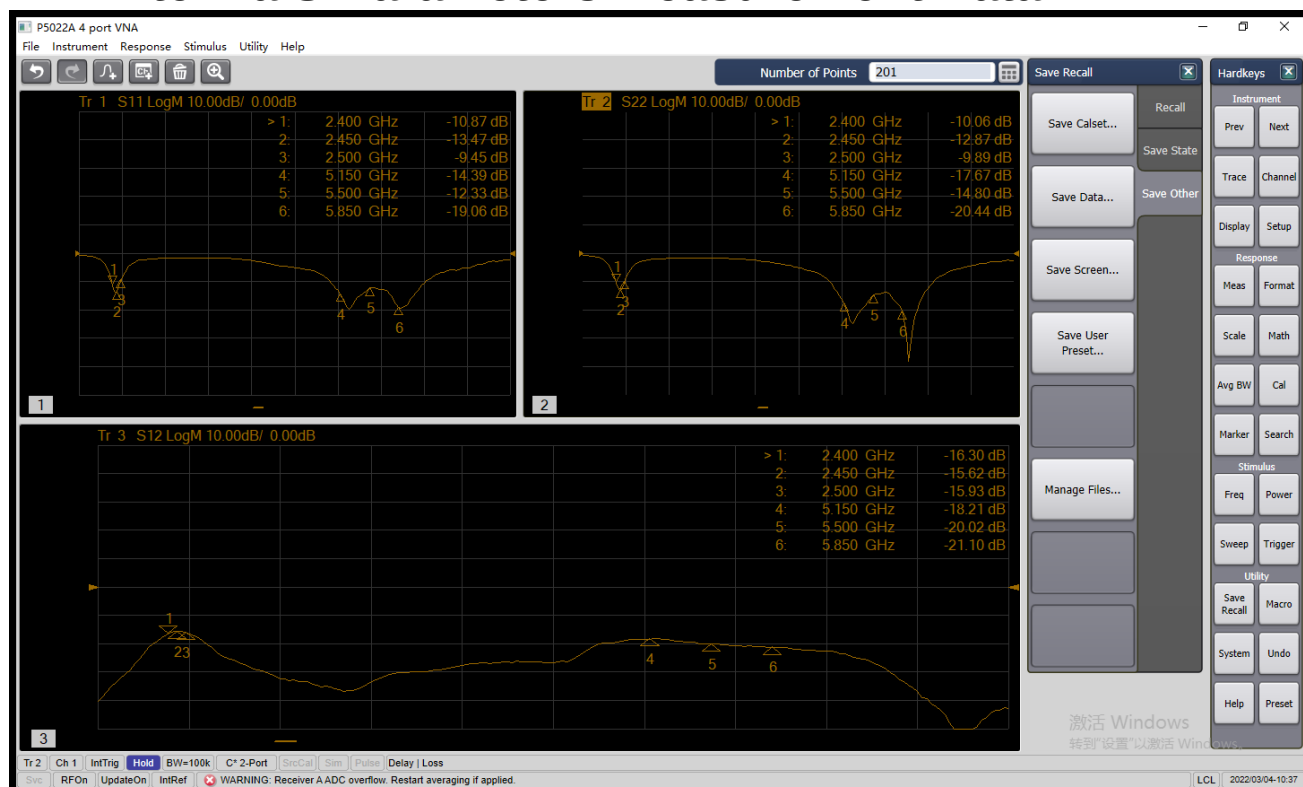
Operation Temperature	-10°C ~ +60°C
Storage Temperature	-40°C ~ +70°C

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II. Antenna S-Parameters Measurement Data



III. Antenna Radiation Pattern Measurement Data

Measurement Equipment Specification	
Microwave Chamber	ETS AMS-8923
Vector Network Analyzer	Agilent E5080C

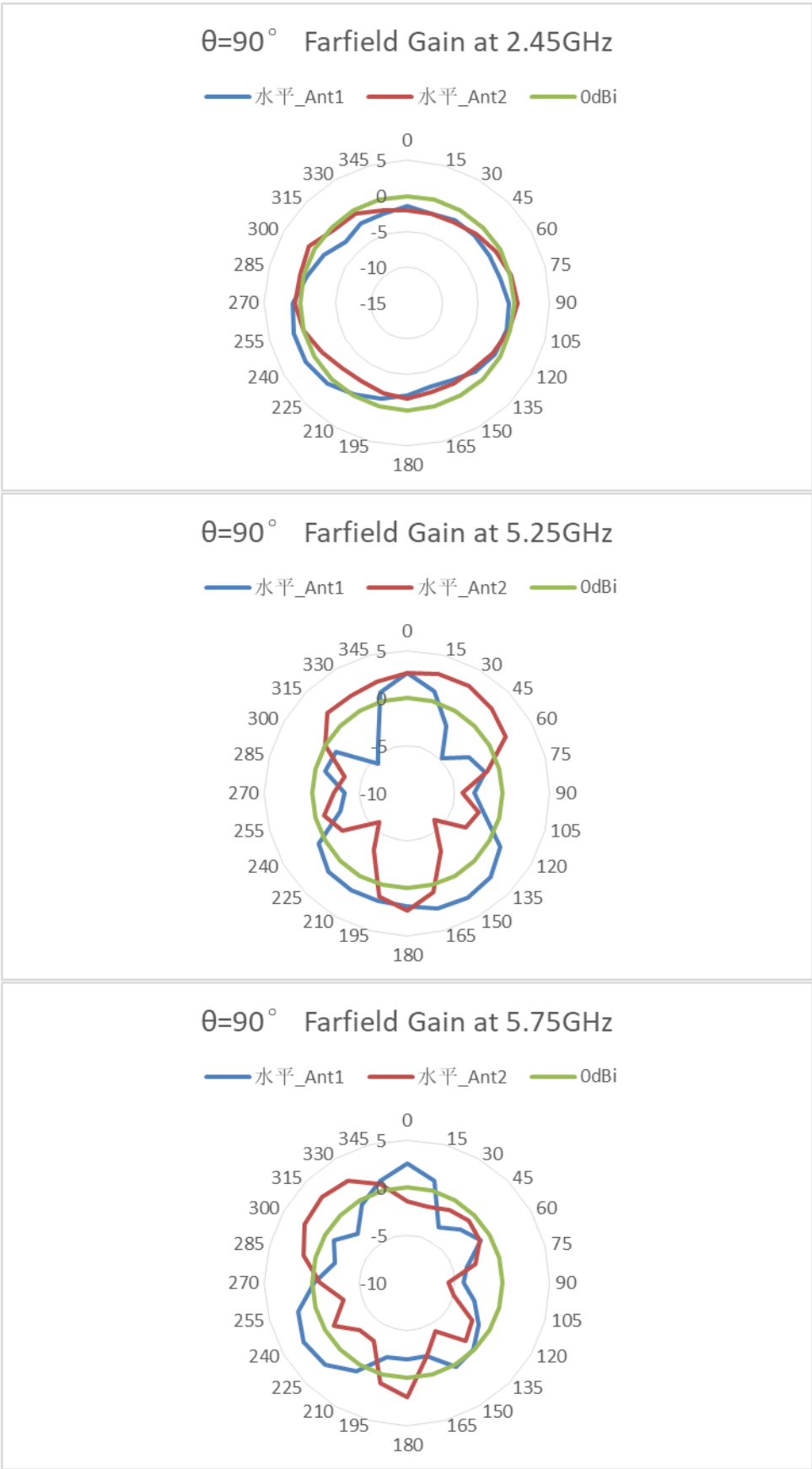
Peak Gain @2400~2500 MHz:

Frequency	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
ant1	1.58	1.35	1.18	1.24	2.00	1.53	1.35	1.87	1.32	1.93	1.07
ant2	1.99	1.87	1.63	1.60	1.91	1.72	2.00	1.95	1.43	1.82	1.37

Peak Gain @5150~5850 MHz:

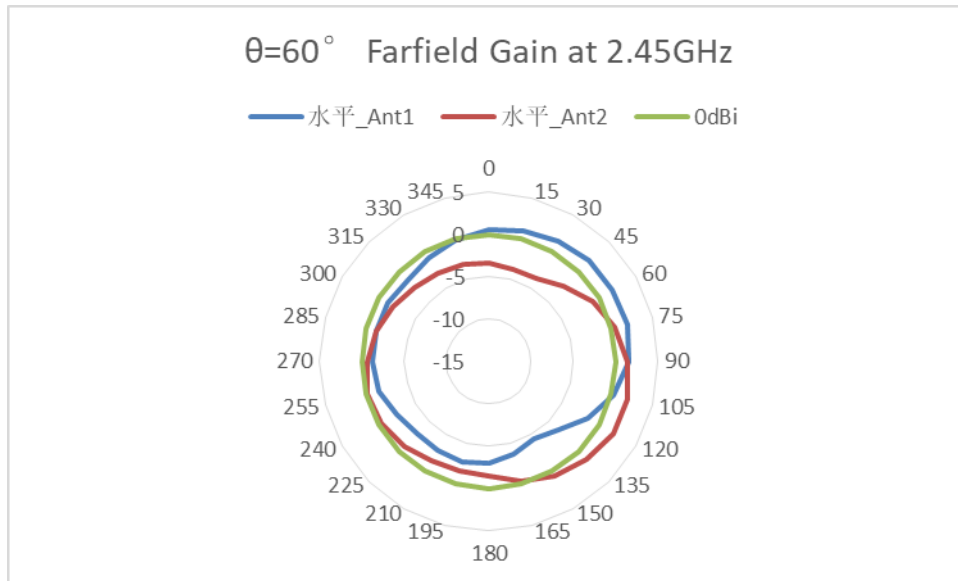
Frequency	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600
ant1	2.90	2.63	2.68	2.84	2.19	2.36	2.10	3.00	2.73	2.48
ant2	2.87	2.89	2.93	2.86	2.72	3.00	2.99	2.82	3.00	2.16
Frequency	5650	5700	5750	5800	5850					
ant1	2.06	2.67	3.00	2.51	2.54					
ant2	3.00	2.76	2.52	2.33	2.93					

Theta=90°

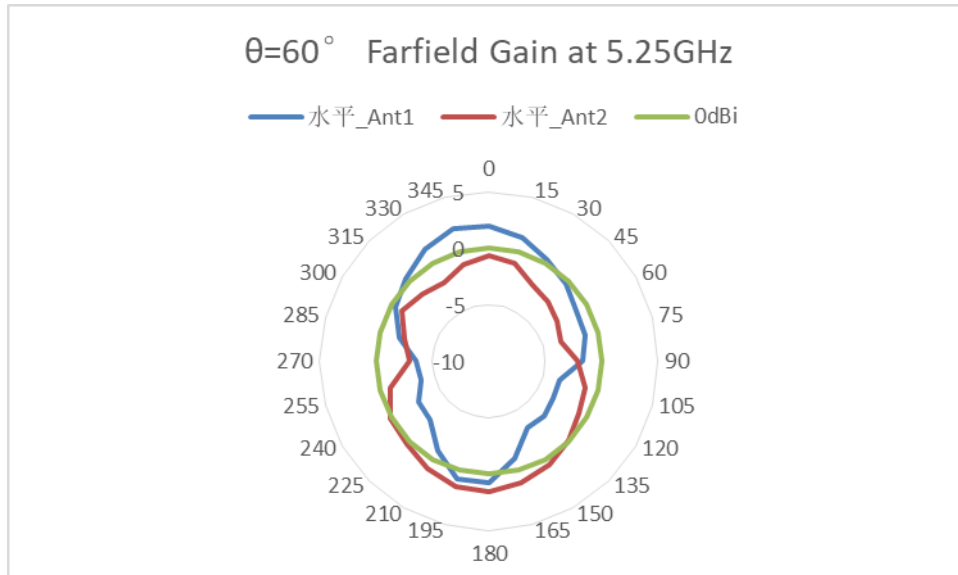


Theta=120°

PeakGain=1.97dBi



PeakGain=2.2dBi



PeakGain=2.06dBi

