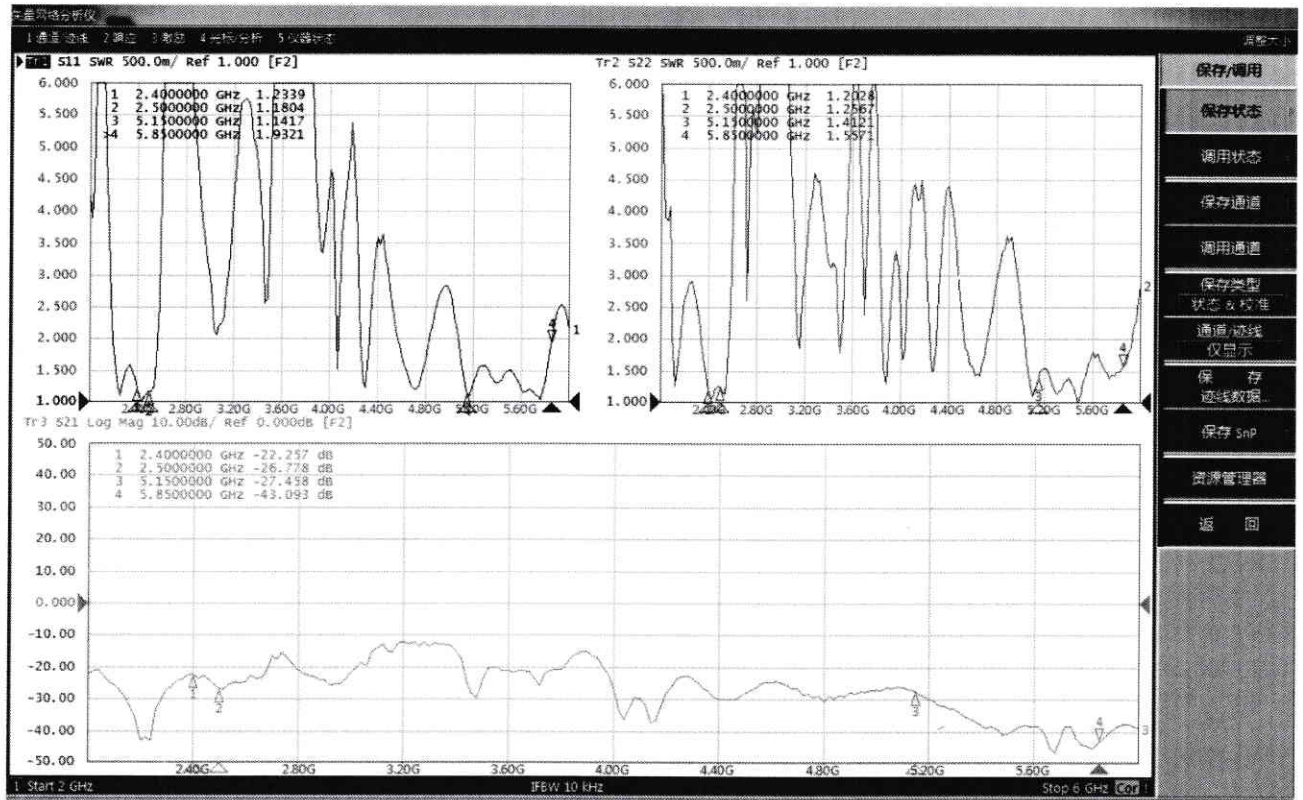


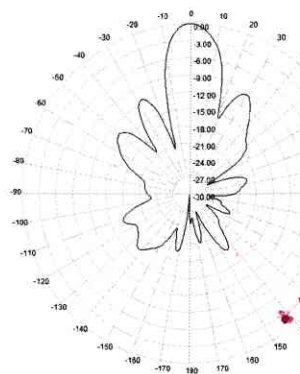
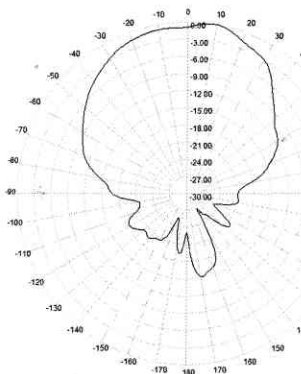
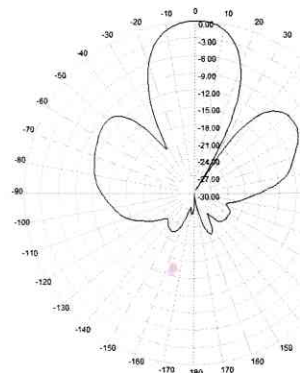
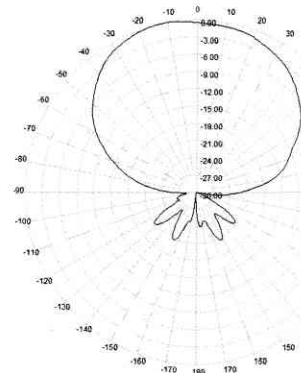
Finished product inspection report

Customer name	MAXON O.E.TECH.CO.,LTD	Product name	sector plate antenna	Produce odd numbers	310017	Examination date
Customer code	JS. 39	Product model	DB2458C-65D12A	Batch	10 pcs	2024.04.26
Acceptance standard		Sampling plan	Sampling quantity	Serious	Main	Light
Product specifications, customer requirements		GB/T2828.1-2012	3 pcs	0	1.0	2.5
Inspection content						
Inspection of packaging and accessories	Inspecting item		Inspection requirements and results		Result	
	Packaging inspection		Correct packaging, and good appearance		☒ Qualified ☐ Unqualified	
	Label logo		Label correct, clearly identified and correct		☒ Qualified ☐ Unqualified	
	The product is accompanied by information		The accessories and instructions are correct and complete		☒ Qualified ☐ Unqualified	
	Clip / installation		Plate clip code		☒ Qualified ☐ Unqualified	
Appearance and structure inspection	Antenna size		250*1 67*55mm		☒ Qualified ☐ Unqualified	
	joint categories		2-N		☒ Qualified ☐ Unqualified	
	Cover material		PVC(gray)		☒ Qualified ☐ Unqualified	
	Product appearance		Good appearance, with no obvious defects		☒ Qualified ☐ Unqualified	
Electrical performance inspection	Inspecting item	Index requirements	Test result (record 1-5 data)		Result	
	Frequency-MHz	5150- 5850	5150-5850		☒ Qualified ☐ Unqualified	
	Antenna gain(dbi)	6	6		☒ Qualified ☐ Unqualified	
	Nominal impedance- Q	50	50		☒ Qualified ☐ Unqualified	
	Port isolation-(db)	≥ 20	21 / 20 / 23		☒ Qualified ☐ Unqualified	
	Standing-wave ratio	2400-2500≤ 1.5 5150-5850≤2	40 / 1.42 / 1.49 1.85 / 1.92 / 1.95		☒ Qualified ☐ Unqualified	
Test result determination:		Meet the product specifications and customer requirements				

Attached standing wave ratio diagram :



Attached directional diagram :



Double frequency plate : 2400~2500/5150~5850

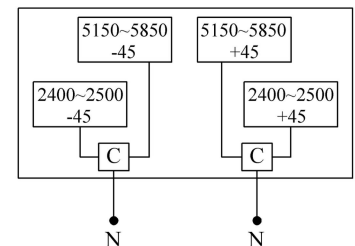
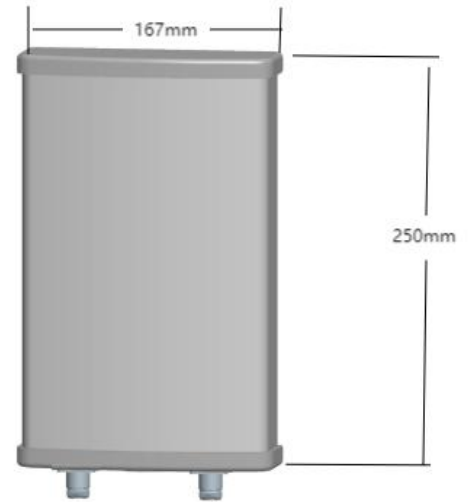
Dual polarization X

Half-power lobe width 65°

2400~2500/5150~5850MHz65°11.5/14.5dBi0° Electrical dip (integrated connector)

Electrical indicators	DB2458C-65D12A	
Frequency range (MHz)	2400~2500	5150~5850
Polarization mode	±45°	
Antenna gain(dBi)	6	6
Electric downward Angle(°)	0	
Half-power lobe width(°)	horizontal plane:65 vertical plane:30	horizontal plane:65 vertical plane:30
Port isolation(dB)	≥25	
front-to-back ratio(dB)	≥20	
input impedance (Ω)	50	
voltage standing-wave ratio	≤1.5	≤2
maximum power(W)	50	
Lightning protection	DC grounding	

Mechanical and environmental indicators	
joint categories	2×N
Joint position	bottom
Antenna size (length, width height:mm)	250×167×55
package size(mm)	295×180×125
Antenna weight(kg)	约 1.3
material for radome	UPVC
Antenna cover color	gray
Mechanical adjustable inclination(°)	0~30
working temperature (°C)	-40~60
Extreme wind speed(m/s)	60
Stick diameter(mm)	35~75
Installation parts model	MK003



ANT1													
Channel/frequency MHz	2412	2417	2422	2427	2432	2437	2442	2447	2452	2457	2462	2467	2472
Antenna gain dBi	5.32	5.87	5.69	6.12	5.86	5.33	5.1	5.63	6.03	6.17	5.98	6.21	5.59
Channel/frequency MHz	5150	5250	5350	5450	5550	5650	5750	5850					
Antenna gain dBi	5.98	6.00	5.88	6.11	5.95	5.76	6.00	5.69					
ANT2													
Channel/frequency MHz	2412	2417	2422	2427	2432	2437	2442	2447	2452	2457	2462	2467	2472
Antenna gain dBi	5.35	5.87	5.70	6.15	5.86	5.33	5.12	5.63	6.03	6.20	5.98	6.25	5.60
Channel/frequency MHz	5150	5250	5350	5450	5550	5650	5750	5850					
Antenna gain dBi	5.97	6.00	5.90	6.12	5.95	5.72	6.00	5.73					