



No. : ZJ-2023081701

TEST REPORT

Product Name: Dual Band Omni Antenna

Model: TQJ-2458D9

Test Sort: Type inspection

Client: PD

Test date: August 17 2023

Kenbotong Technology Co., Ltd.
Testing Center

KBT-OP-10026-2/00-1

Test Report

Sample name	Dual Band Omni Antenna	Sample Amount	1
Model	TQJ-2458D9	Product Trademark	KBT
Client	PD		
Product department	The PD of Kenbotong Technology Co., Ltd.		
Test place.	The testing center of Kenbotong Technology Co., Ltd.		
Date Received	August 17 2023	Test date	August 17 2023
Test Conditions	Temperature: 22	Relative Humidity: 55%	Atmospheric pressure:/
Test Items	Frequency range ,Gain ,Antenna 2D pattern ,VSWR		
Testing Regulations	GB/T 9410-2008 General specification for antennas used in mobile communications Kenbotong Technology Co., Ltd. Omni Antenna Specifications.		
Test Profile and Analysis	According to the standard and the requirements from the client , the performance of Omni Antenna of TQJ-2458D9 at normal temperature have been tested.		
Testing Conclusion	☒ Passed ☐ Failed Test Appropriate cachet		
Test by:	Checked by:	Approved by:	
Hongliang Fan Date: 2023.8.17	Zhihui Ou Date: 2023.8.17	ze ji Luo Date: 2023.8.17	



Performance of the Antenna at Normal Temperature

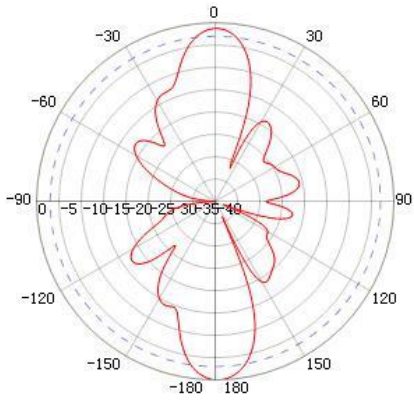
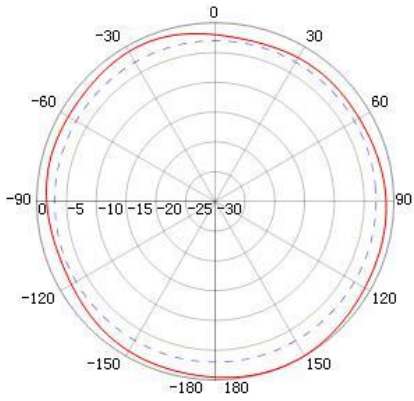
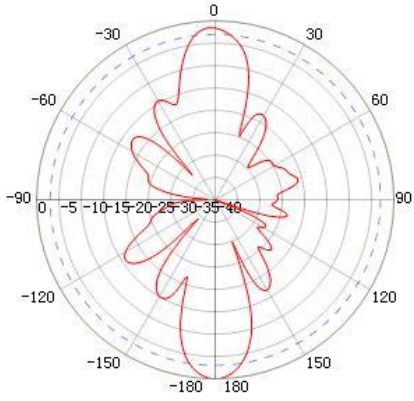
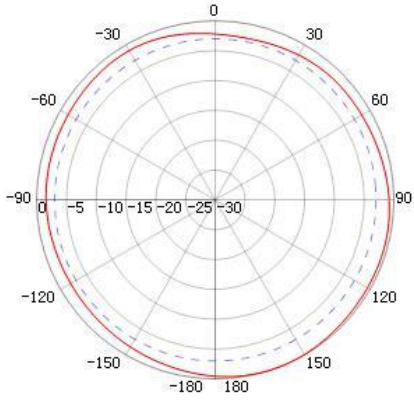
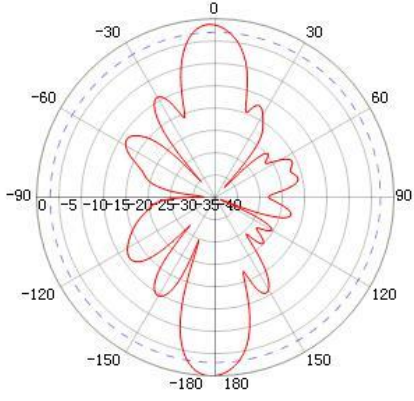
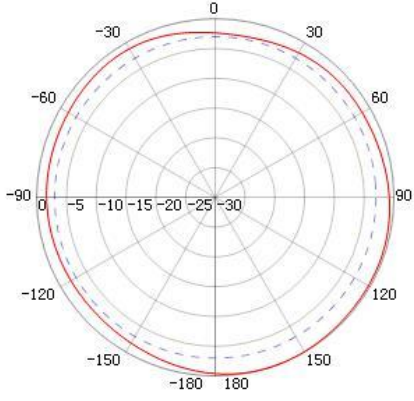
No.	Examination item	Requests of index	Units	Test results		Decide
1	Frequency range	2400-2500/5150-5350/ 5350-5850	MHz	2400-2500/5150-5350/ 5350-5850		Passed
2	Gain	9/6/8	dBi	2400	8.86	Passed
				2450	9.05	
				2500	9.23	
				5150	7.27	
				5450	9.92	
				5850	9.4	
3	VSWR	≤2	/	≤1.78(Chart1)		Passed
4	Vertical Beam width	10/22/10	°	2400	11.1	Passed
				2450	10.07	
				2500	10.95	
				5150	21.56	
				5450	10.43	
				5850	10.59	
5	Horizontal Beam width	Omni-directional	/	Omni-directional		Passed
6	pattern	/	/	patterns		Passed
7	Polarization	Vertical	/	Vertical		Passed
Decide; Requests by the client , All specifications under test are passed.						

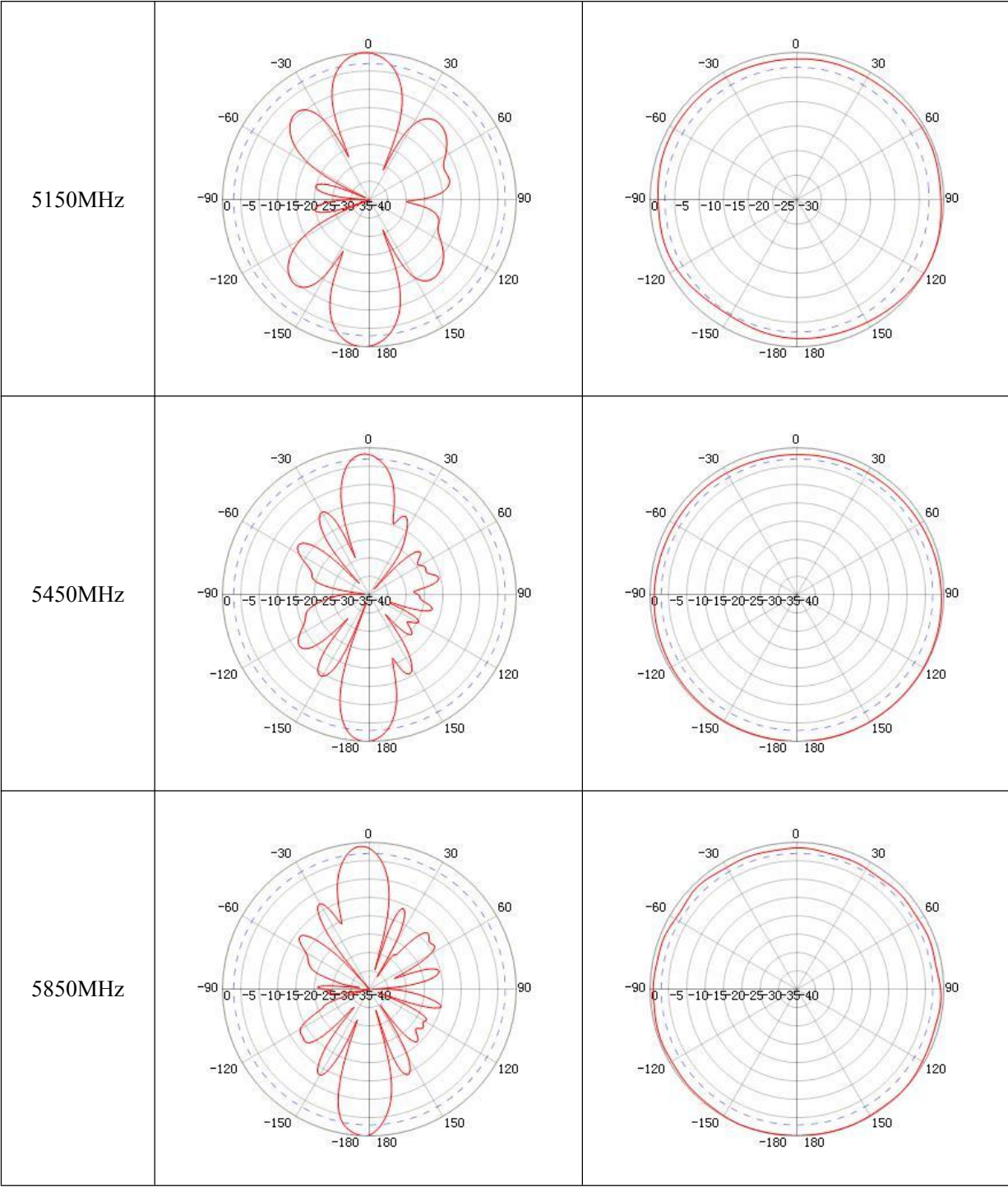
The VSWR at Normal Temperature



Chart1

The Pattern at Normal Temperature

Freq	E Pattern	H Pattern
2400MHz		
2450MHz		
2500MHz		



Devices been used

No.	Name	Model	Period of Validity
1	Test Systems	SG64	Within Effective Date
2	Standard Gain Antenna	SH-400	Within Effective Date