

SPECIFICATION FOR APPROVAL

Customer: _____

Part Number: Y-DZL-TXL-0039

Supplier: _____

MPN: 304608001068

Part Name: NDM-X1-5G Antenna

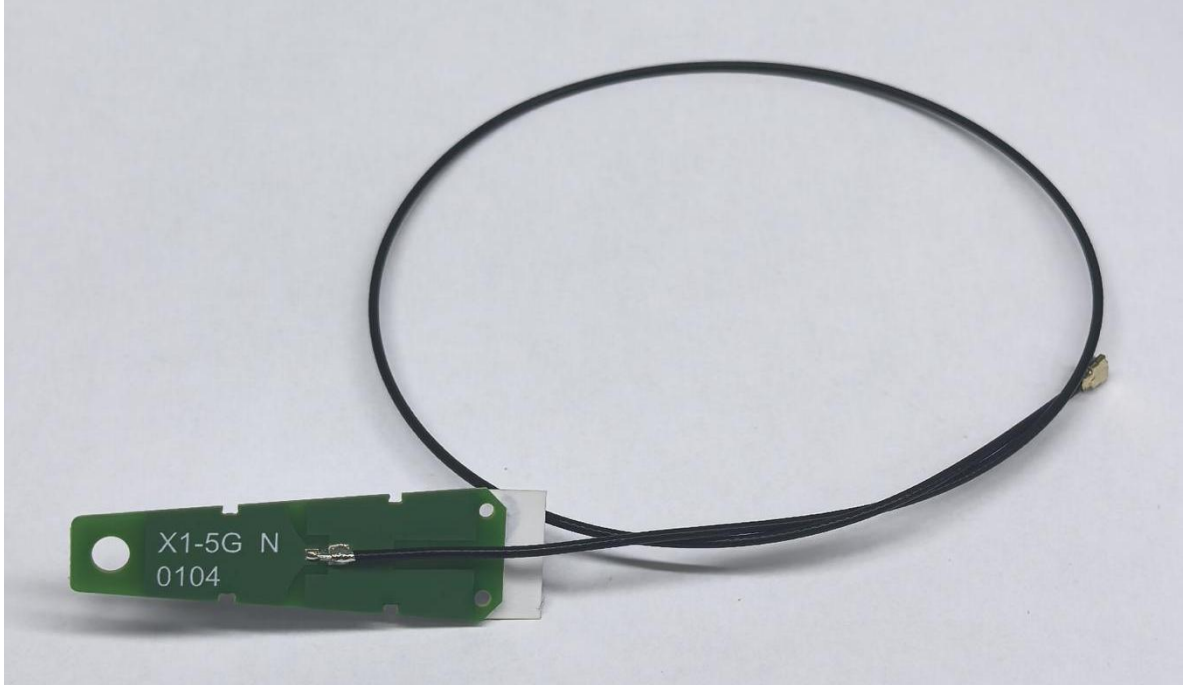
DESC: NDMD-X1-5G-V1.0

Date: 2026-03-31

Supplier Approval			
盖章	Approved	Checked	Prepared

ACP Approval			
盖章	Approved	QA	R&D

1 Antenna finished product image



2 Product parameters

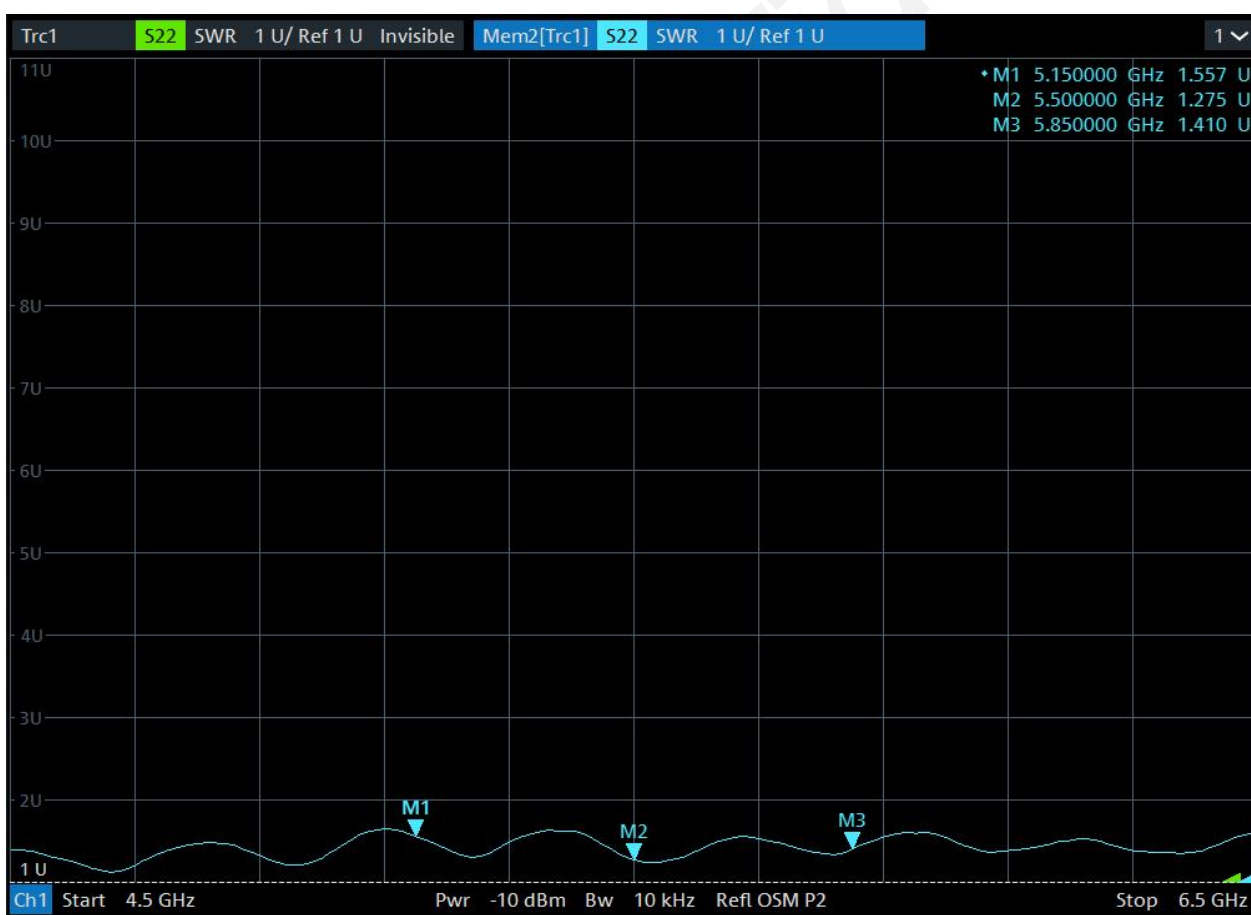
Name	NDM-X1-5G Antenna	Model Type	NDMD-X1-5G-V1.0
Frequency Range	5150-5850MHz	Dimensions	PCB: 42.10*13.66mm 线长: 340mm, Ø1.13mm
VSWR	≤ 2.5	Radome Color	PCB: green Cable: black
Efficiency	$\geq 35\%$	Cable	CableØ1.13
Impedance	50 Ω	Working Temperature	-40℃ - +85℃
Polarization	linear polarization	Materials	PCB+Cable
Radiation	omnidirectional		

3Parameter

3.1 VSWR

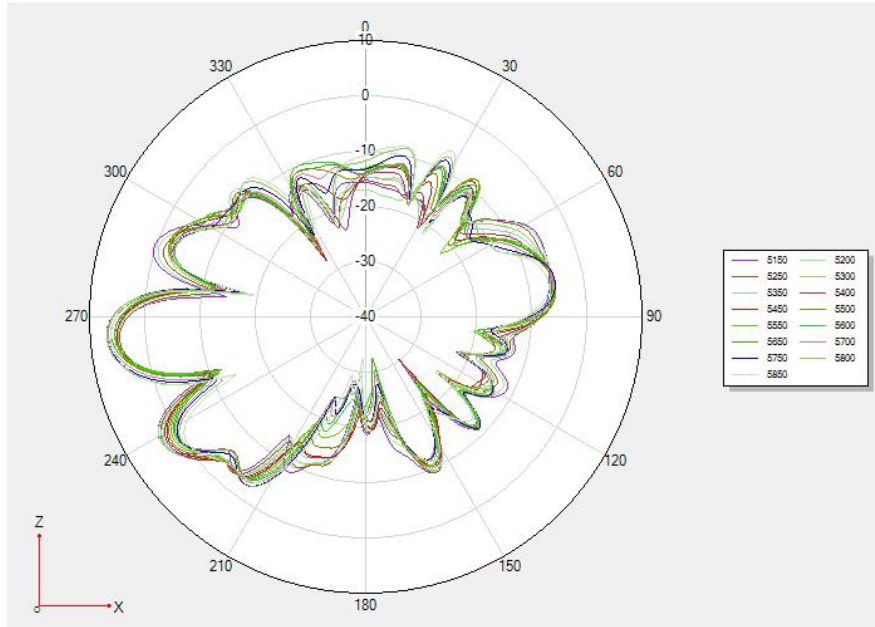
Frequency (MHZ)	5150	5500	5850
VSWR	1.557	1.275	1.410

3.2 Wavelet power spectrum

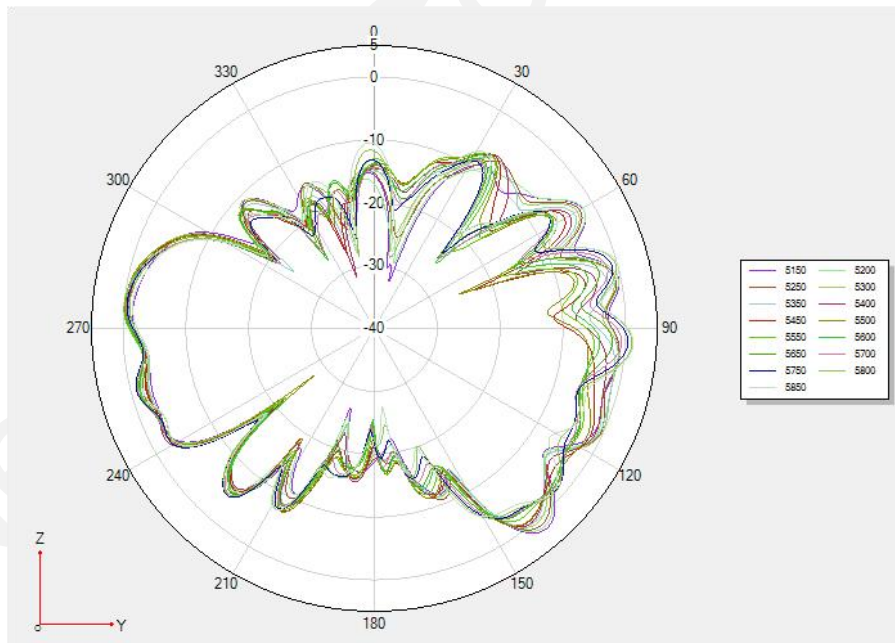


4 Antenna passive data

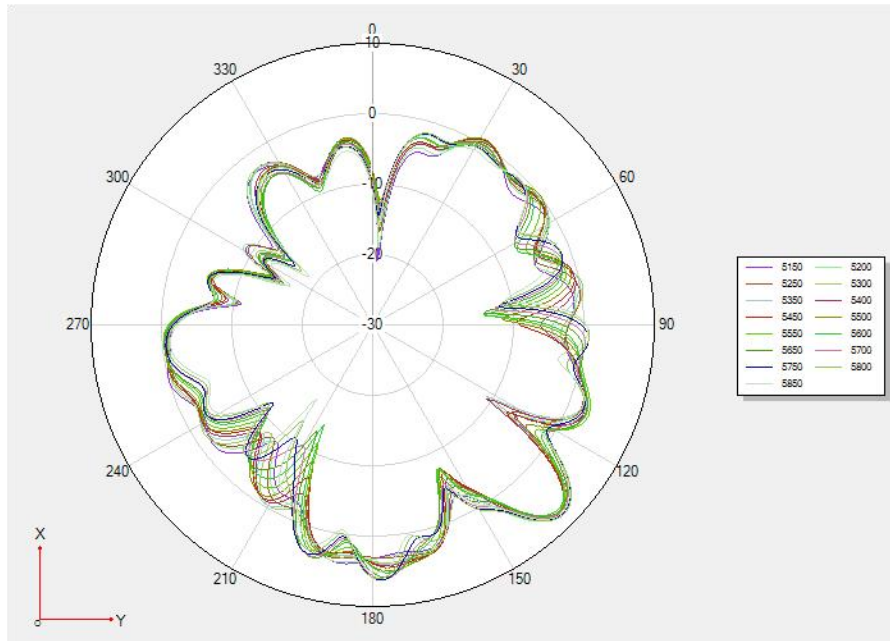
Frequency/Mhz	Efficiency / dB	Efficiency / %	Gain/dBi
5150	-3.92	40.55	2.26
5200	-3.92	40.55	2.84
5250	-4.06	39.26	2.21
5300	-4.16	38.37	2.3
5350	-4.26	37.5	2.14
5400	-4.33	36.9	2.23
5450	-4.35	36.73	2.19
5500	-4.37	36.56	2.14
5550	-4.64	34.36	2.7
5600	-4.94	32.06	3.01
5650	-4.74	33.57	3.22
5700	-4.85	32.73	3.03
5750	-4.8	33.11	3.08
5800	-4.81	33.04	3.03
5850	-5.03	31.41	3.15
5350	-4.26	37.5	2.26
5400	-4.33	36.9	2.84



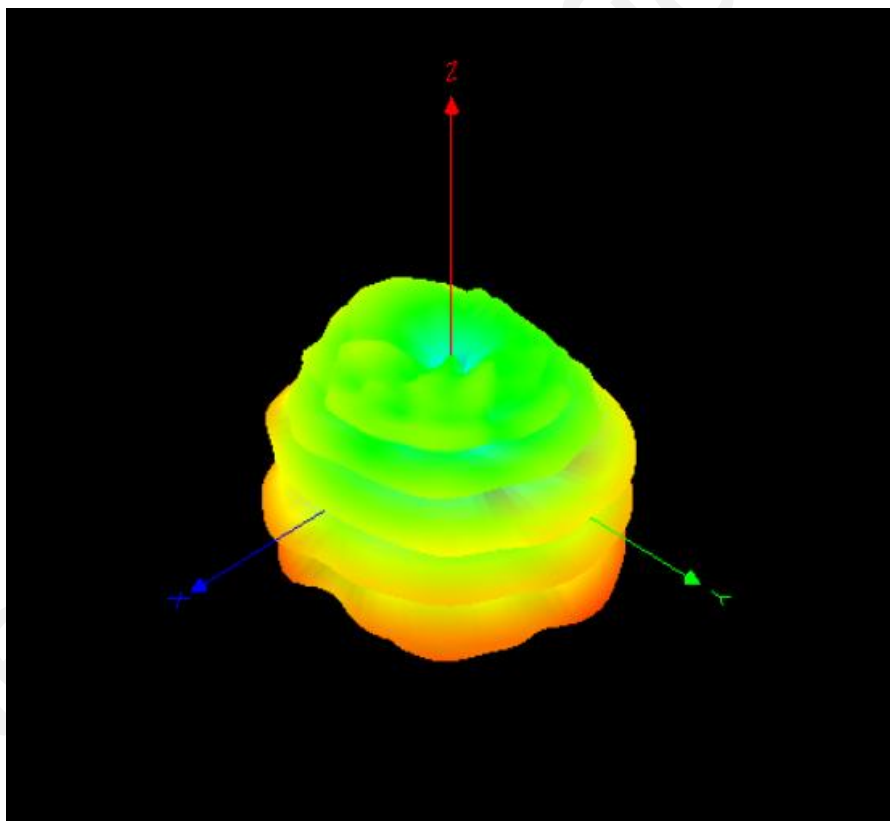
Phi 0 2D



Phi 90 2D



Theta 90 2D



3D Etotal

5 Antenna structure blueprint

