

SPECIFICATION FOR APPROVAL

Customer _____

Part Number: Y-DZL-TXL-0042

Supplier _____

MPN 304608001071

Part Name NDMDX12.4G-BT Antenna

DESC NDMD-X1-2.4G-B-V1.0

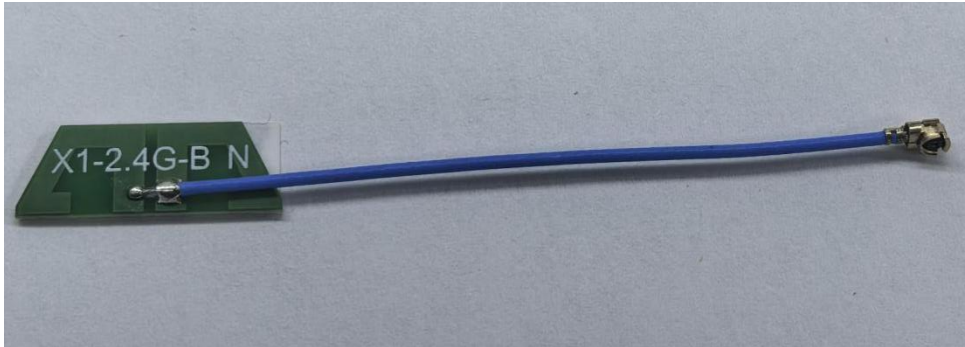
Date 2026-03-31

Supplier Approval			
	Approved	Checked	Prepared

ACP Approval			
	Approved	QA	R&D

Shenzhen Neoway Technology Co., Ltd.
Room 4401, Building 1, Huide Mansion, Beizhan Community, Minzhi
Street, Longhua District, Shenzhen.

1 Antenna finished product image



2 Product Parameters

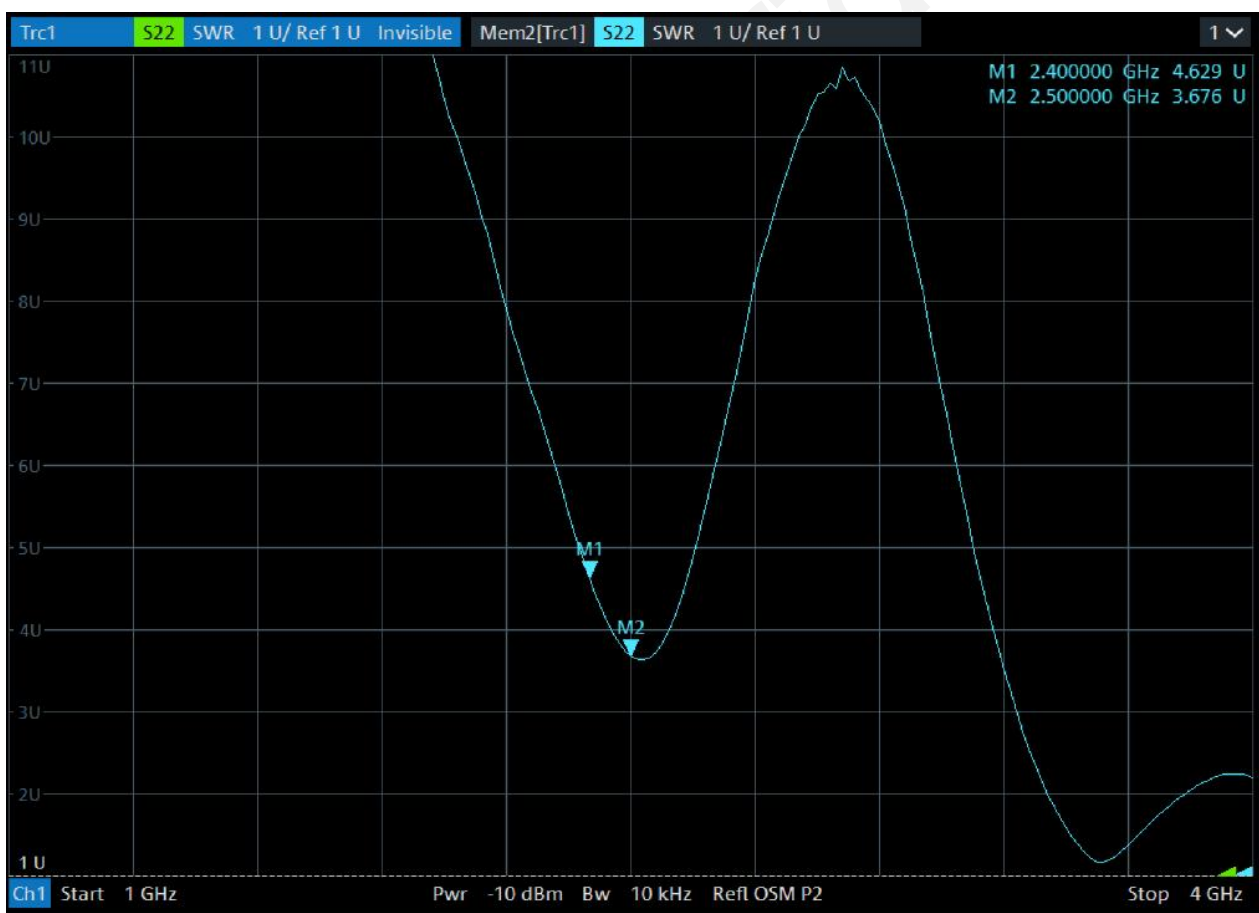
Name	NDMDX12.4G-BT Antenna	Model Type	NDMD-X1-2.4G-B-V1.0
Frequency Range	2400-2500MHz	Dimensions	PCB 22.00*8.00mm 68mm Ø1.13mm
VSWR	≤ 5.0	Radome Color	PCB green Cable blue
Efficiency	$\geq 25\%$	Cable	Cable Ø1.13
Impedance	50 Ω	Working Temperature	-40°C - +85°C
Polarization	linear polarization	Materials	PCB+Cable
Radiation	omnidirectional		

3 Parameter

3.1 VSWR

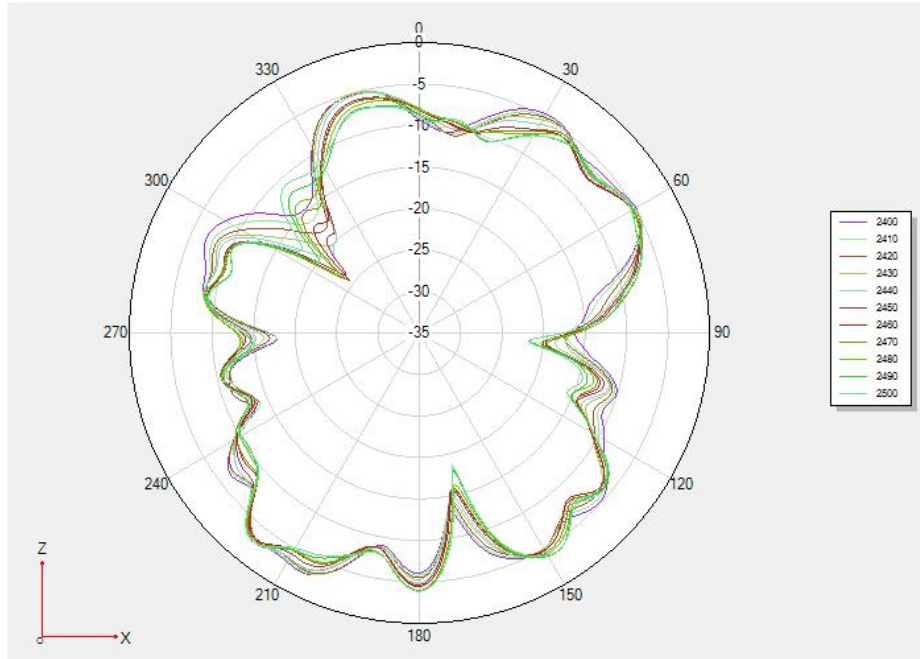
Frequency (MHZ)	2400	2450	2500
VSWR	4.629	/	3.676

3.2

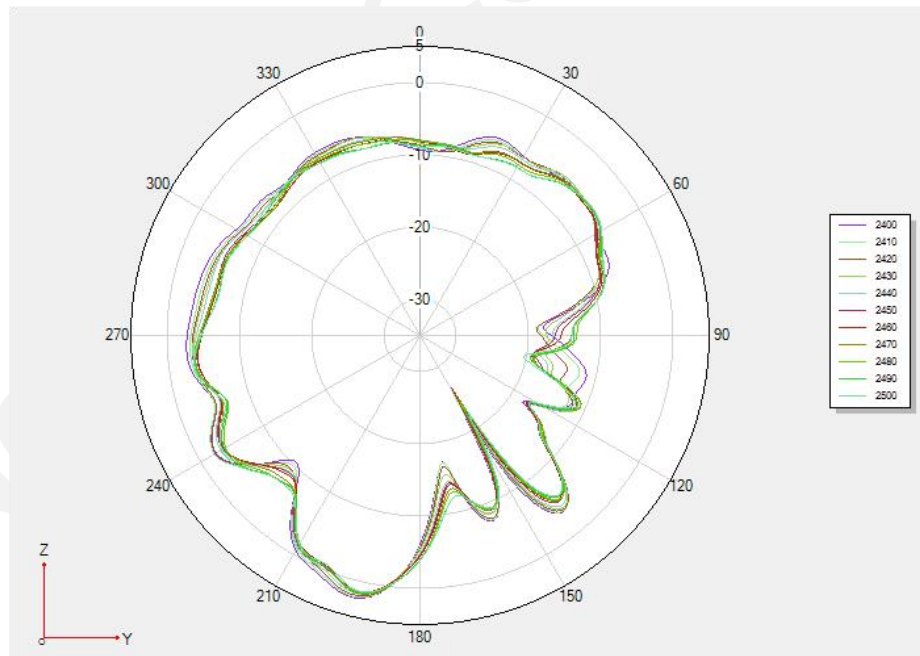


4 Antenna passive data

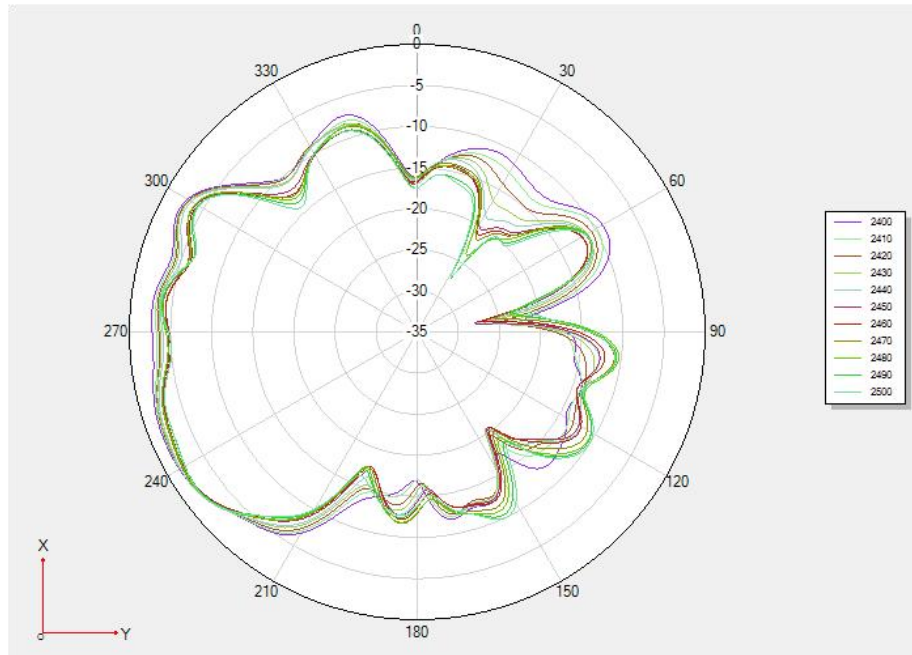
Frequency/Mhz	Efficiency / dB	Efficiency / %	Gain/dBi
2400	-5.48	28.31	2.43
2410	-5.69	26.98	2.29
2420	-5.91	25.64	2.18
2430	-6.16	24.21	1.89
2440	-5.8	26.3	2.05
2450	-6.11	24.49	1.85
2460	-6.33	23.28	1.81
2470	-6.23	23.82	1.89
2480	-6.31	23.39	1.81
2490	-6.28	23.55	1.94
2500	-6.34	23.23	1.82



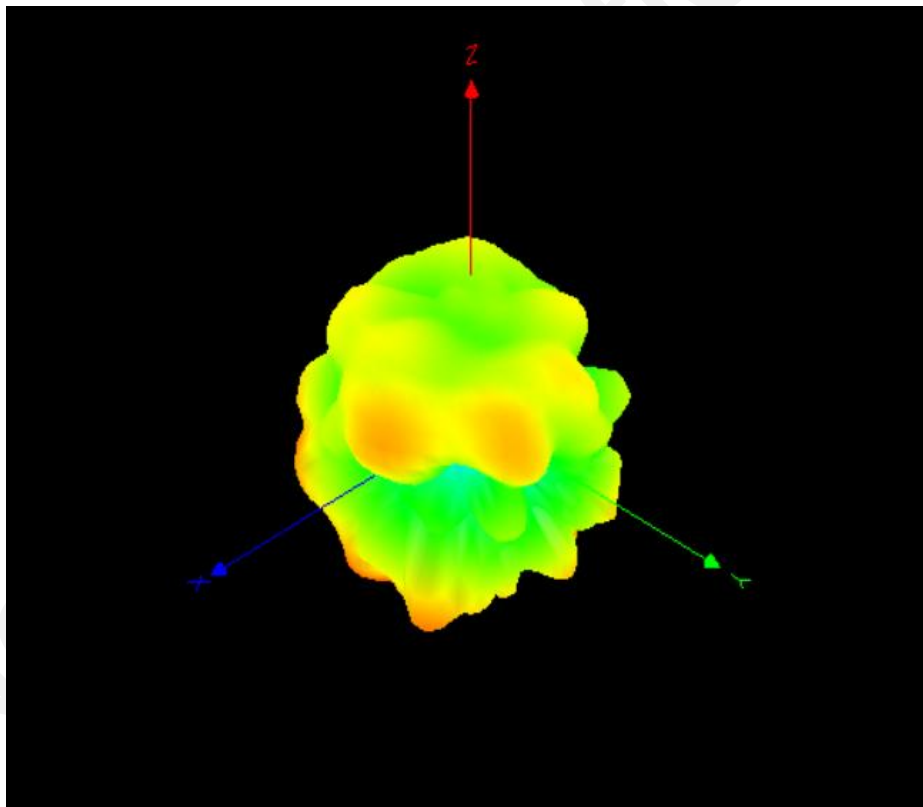
Phi 0 2D



Phi 90 2D



Theta 90 2D



3D Etotal

:0.8dBm

5 Antenna structure blueprint

