



Antenna Report for DMVQ-AD01 DVT Sample

Nov. 25 2025

Ver.3

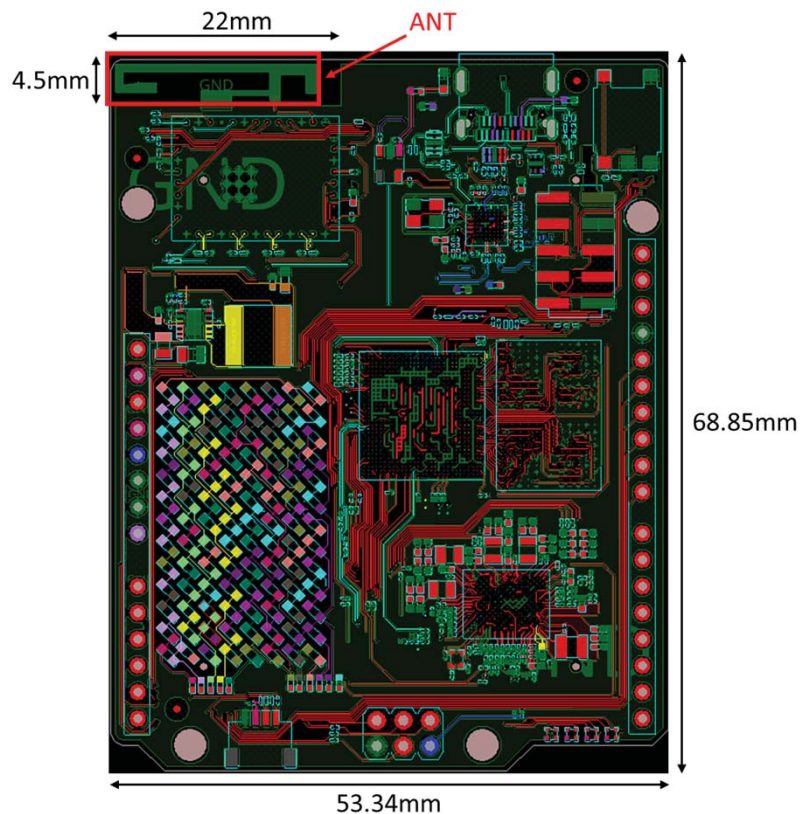
Antenna Type Information

Ant. Type	Brand	Part No.	Freq.(MHz)	Peak Gain(dBi)
PCB	WNC	DMVQ-AD01_SGD	2400~2483.5	4.8 @ 2.45

WNC Corporation
20 Park Avenue II Hsinchu Science Park, Hsinchu 300, Taiwan

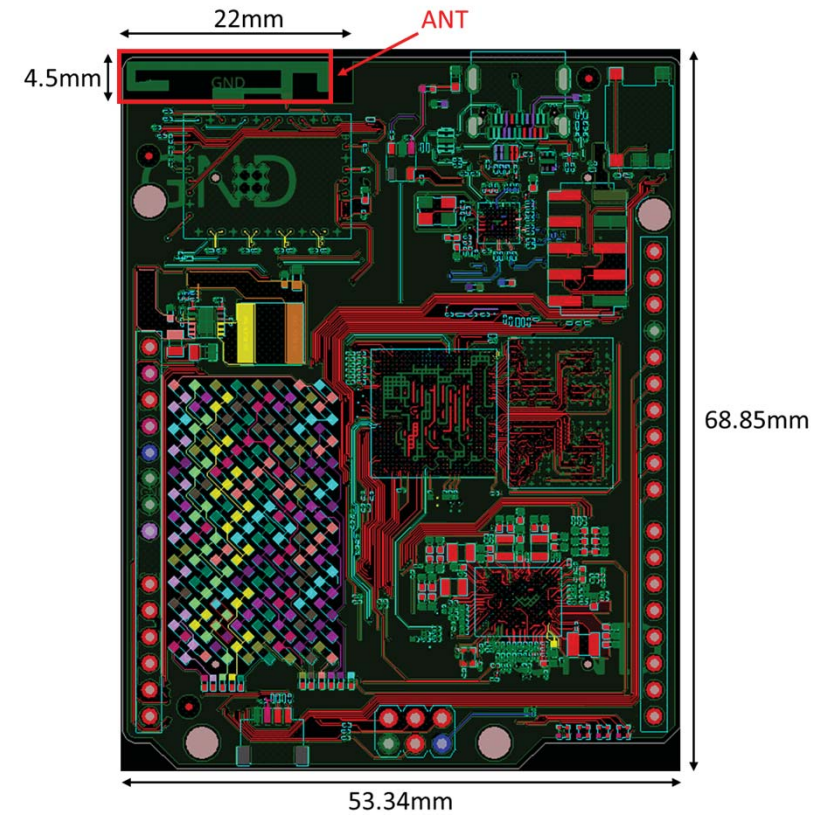
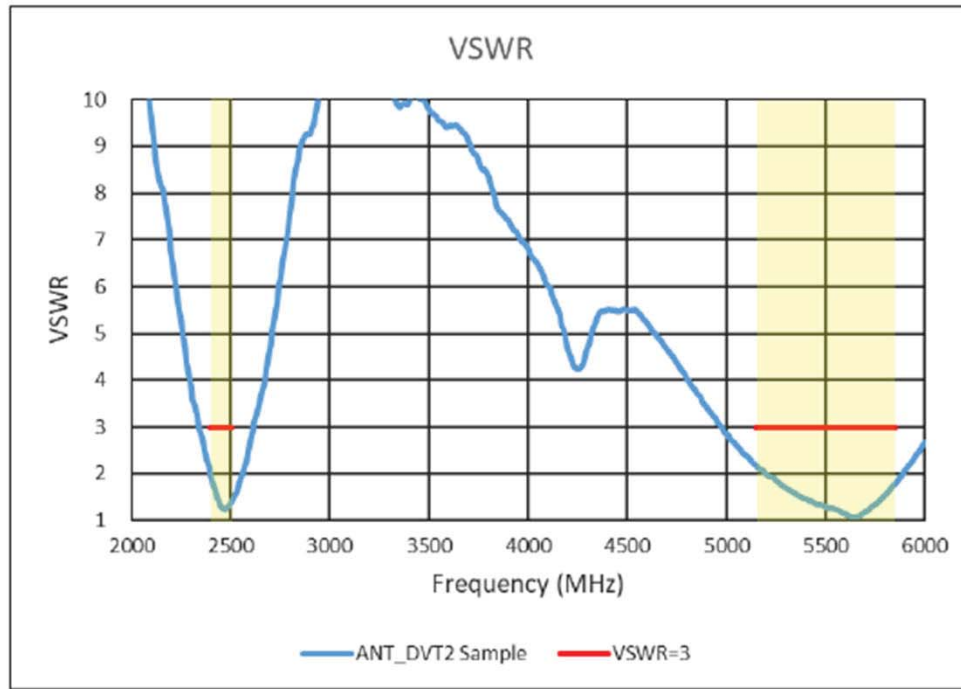
Summary_(Antenna Area Size: 22mm x 4.5mm)

VSWR	Expected Specification	Result
Wi-Fi_ 2G / 5G	< 3.0 / < 3.0	< 2.0 / < 2.1
Average Radiation Efficiency	Expected Specification	Result
Wi-Fi_ 2G / 5G	> 40% / > 40%	~ 60.3% / ~ 66.2%
Peak Gain	Expected Specification	Result
Wi-Fi_ 2G / 5G		Max 4.8dBi / 3.1dBi



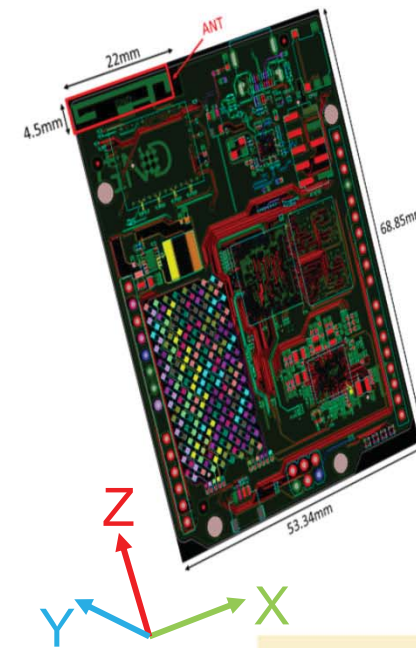
- ✓ Carrier board size: 68.85mm x 53.34mm
- ✓ Antenna area size: 22mm x 4.5mm
- ✓ Carrier board thickness: 1.0 mm

VSWR, Efficiency and Peak Gain



<i>ANT_DVT2 Sample</i>	2400	2450	2500	avg.	5150	5350	5550	5750	5850	avg.
Eff.	57.9%	63.4%	59.7%	60.3%	61.1%	68.4%	68.1%	69.2%	63.9%	66.2%
Eff. dB	-2.38	-1.98	-2.24		-2.14	-1.65	-1.67	-1.60	-1.95	
Peak Gain	4.26	4.80	4.64		1.15	1.67	1.70	3.12	2.58	

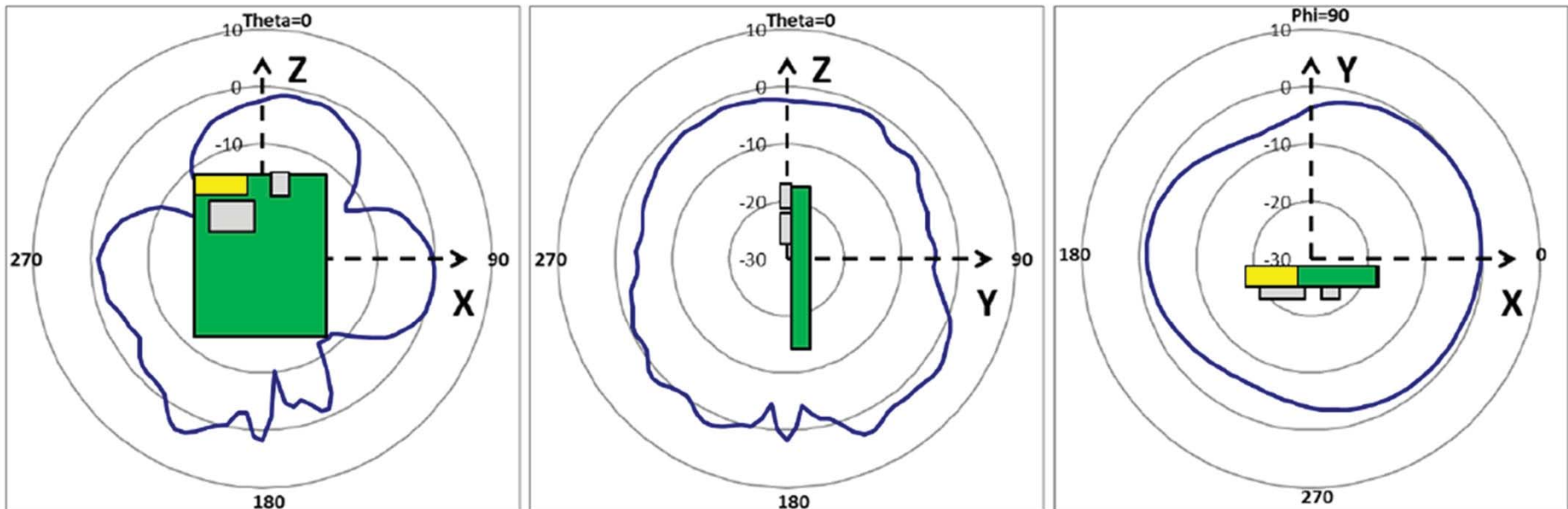
Radiation Pattern for 2.4GHz



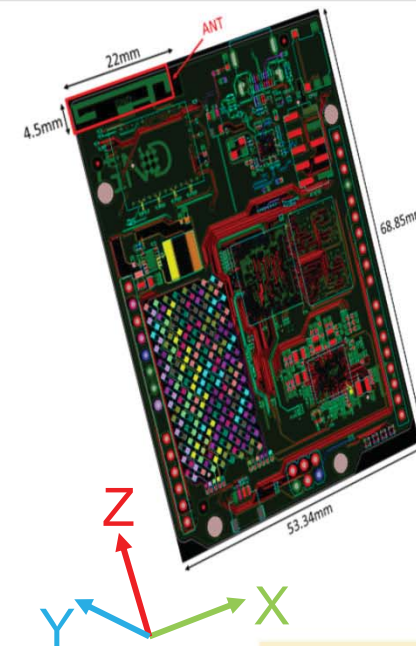
✓ Free space test

2GHz Radiation Pattern

— ANT_2G for DVT2 Sample



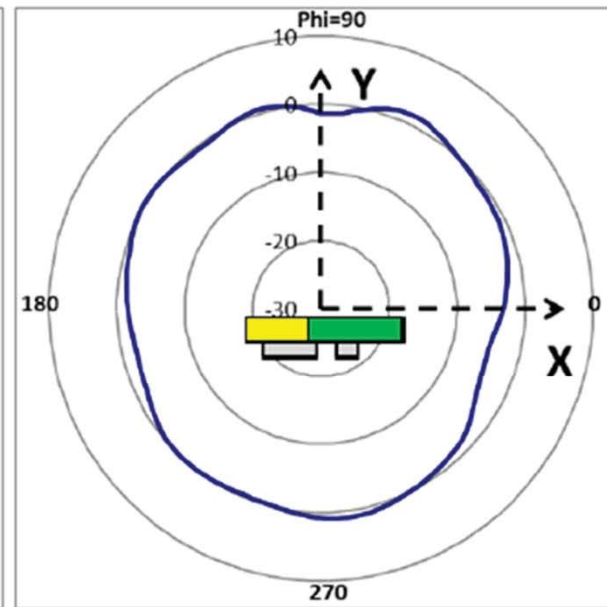
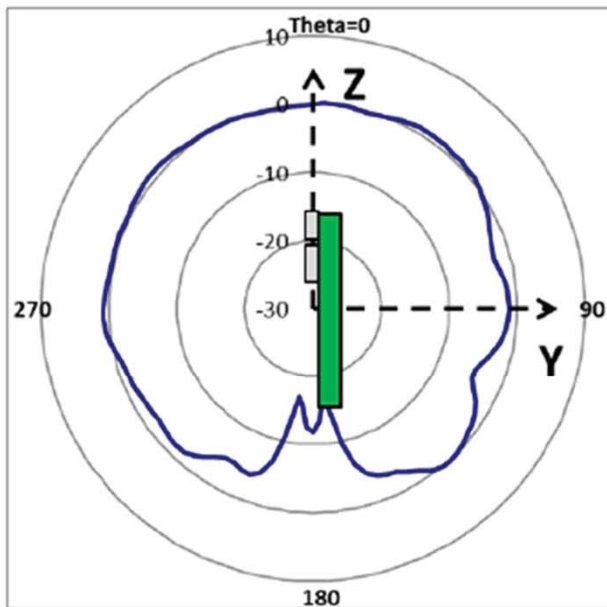
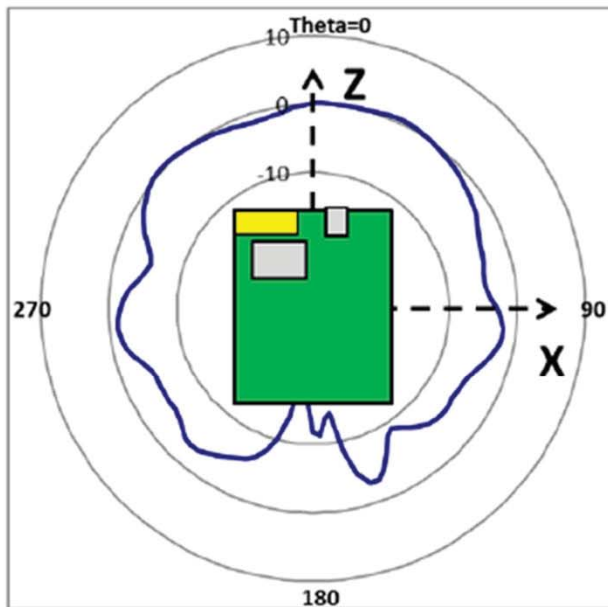
Radiation Pattern for 5GHz



✓ Free space test

5GHz Radiation Pattern

— ANT_5G for DVT2 Sample





WNC

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Thank You!