

Regulatory

• Product type	• WLAN antenna
• Model number	• Dell / Quanta / T2
• Revision	• A00-P
• Part No. / Yageo / Main / Aux	• CAN4313 384 012501B
• Part No. / Dell/ Quanta / Main / Aux	• DQ600125004

Yageo (Taiwan) Ltd.

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Yegeo Electronics (China) Co, Ltd

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1. Specifications

Antenna Specifications

Antenna Type (Material, Technology)	Material: Phosphor Bronze Stamping Inverted-F Metal Antenna Technology Lead Free Technology
Antenna Model Number	Yageo T2 Antenna Yageo P/N: CAN 4313 384 012501B Dell/ Quanta P/N: DQ 600125004
Operating Frequency Range(s)	2.4GHz ~ 2.5GHz and 4.9GHz ~ 5.9GHz
Peak Gain (802.11b/g / 2.4GHz Band) (dBi)	0.57
Peak Gain (802.11a / 5GHz Band) (dBi)	3.56
Radio Connector Type	Hirose U.FL-LP-88 or IPEX 20308-111R-32/ 20363-111R-37 or Compatible Mini-PCI Connector
Mid-Line Connector Type (If Applicable)	N/A

Remark: Peak Gains include all system losses (connector, cable, etc)

Cable Specifications

Cable Parameters	Main			Aux		
	LCD Side	Base Side	Total	LCD Side	Base Side	Total
Length (mm)	N/A	N/A	591.4	N/A	N/A	766.3
Loss (Including Connectors) (dB)			1.30/ 2.32			1.64/ 2.53
Description (Color, Diameter, Manufacturer)	Color: White OD: 1.32~1.37 mm Vendor: Kurabe or equivalent performance cables			Color: Black OD: 1.32~1.37 mm Vendor: Kurabe or equivalent performance cables		

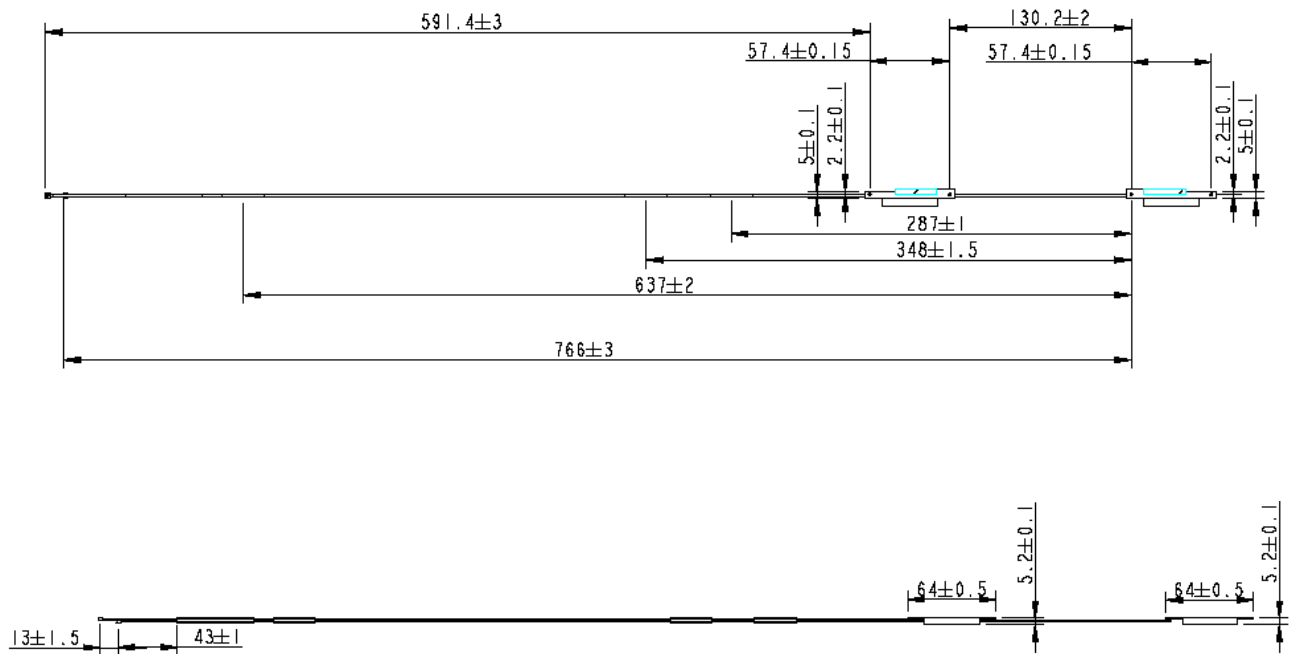
2. Antenna Assembly



3. Antenna Assembly Installed in The Notebook



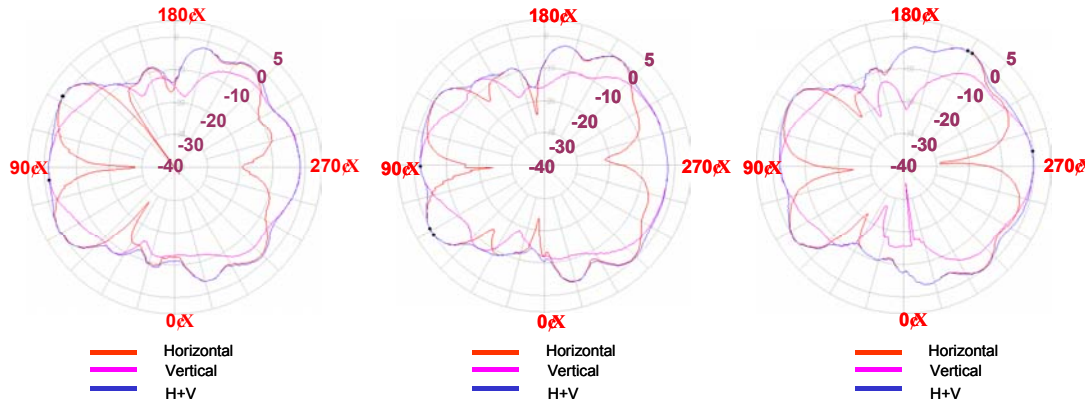
4. Mechanical Drawing of Antennas



Remark: Antenna patches follow “Dell Standard Antenna Dimension”

5. Gain Patterns

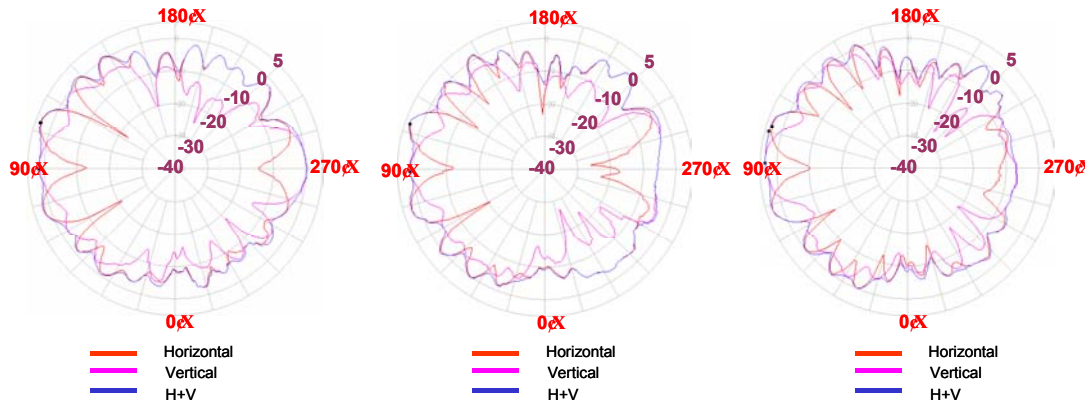
- Main Antenna



Center Frequency	2400 MHz
Horizontal peak gain (dBi)	0.54
Vertical peak Gain (dBi)	-1.46
Hori + Vert Peak gain (dBi)	0.68
Hori + Vert Ave. gain (dBi)	-3.31

Center Frequency	2450 MHz
Horizontal peak gain (dBi)	0.15
Vertical peak Gain (dBi)	-2.02
Hori + Vert Peak gain (dBi)	0.18
Hori + Vert Ave. gain (dBi)	-3.20

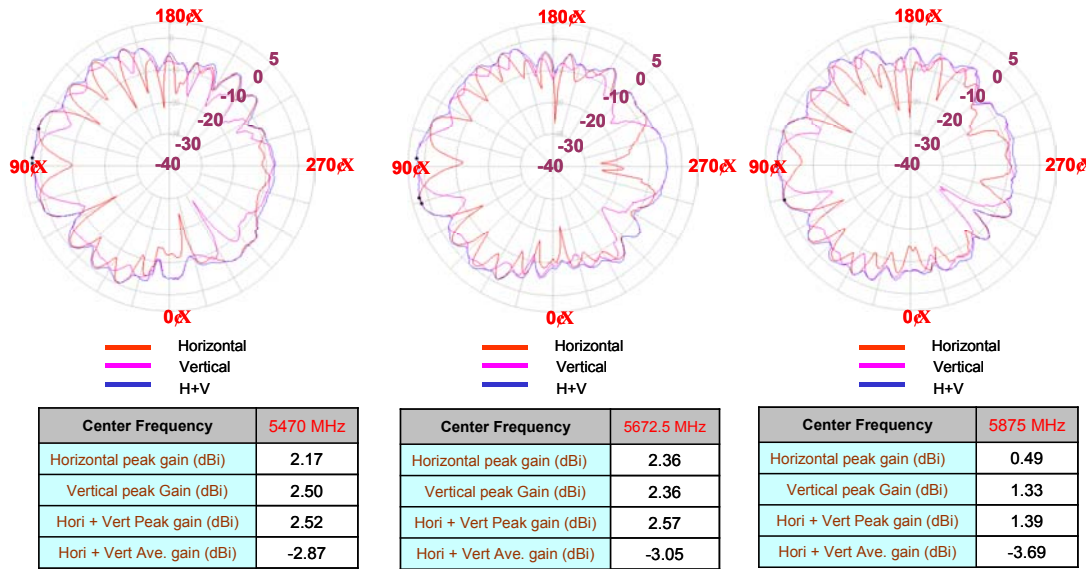
Center Frequency	2483.5MHz
Horizontal peak gain (dBi)	0.57
Vertical peak Gain (dBi)	-0.43
Hori + Vert Peak gain (dBi)	0.64
Hori + Vert Ave. gain (dBi)	-2.73



Center Frequency	4900 MHz
Horizontal peak gain (dBi)	3.36
Vertical peak Gain (dBi)	1.52
Hori + Vert Peak gain (dBi)	3.46
Hori + Vert Ave. gain (dBi)	-1.95

Center Frequency	5125 MHz
Horizontal peak gain (dBi)	3.39
Vertical peak Gain (dBi)	1.05
Hori + Vert Peak gain (dBi)	3.43
Hori + Vert Ave. gain (dBi)	-2.39

Center Frequency	5350 MHz
Horizontal peak gain (dBi)	3.23
Vertical peak Gain (dBi)	3.56
Hori + Vert Peak gain (dBi)	3.74
Hori + Vert Ave. gain (dBi)	-1.96



- Aux Antenna

