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.
16, West 3rd Street, N.E.P.Z Kaohsiung, 811 Taiwan, R.O.C

Yegeo Electronics (China) Co, Ltd
No. 10, Zhu Yuan Road, Suzhou New District, Suzhou, PRC

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

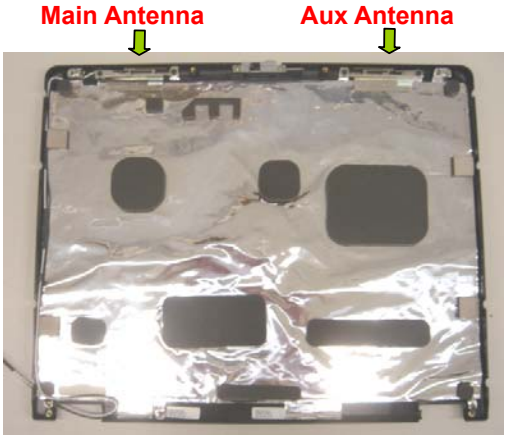
Remark: Peak Gains include all system losses (connector, cable, etc)

Cable Specifications

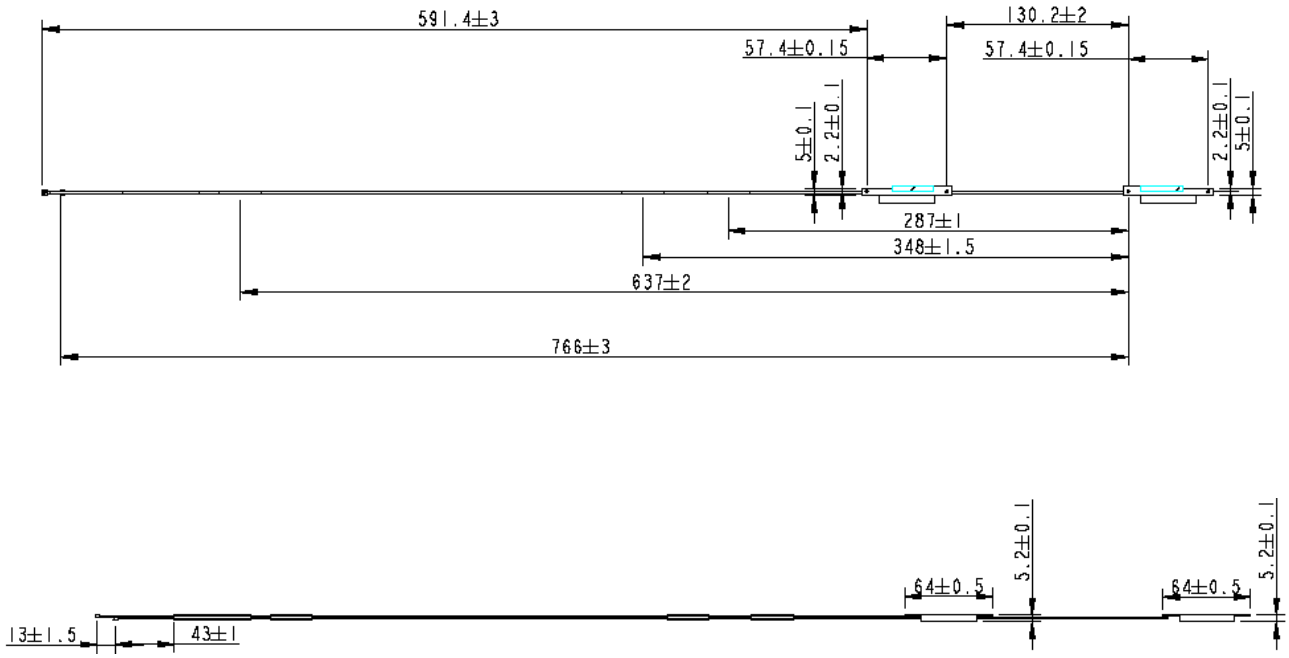
Cable Parameters	**Main**			**Aux**		
	LCD Side	**Base Side**	**Total**	**LCD Side**	**Base Side**	**Total**
Length (mm)	N/A	N/A	591.4	N/A	N/A	766.3
Loss (Including Connectors) (dB)			1.30/ 2.32			1.64/ 2.53
Description (Color, Diameter, Manufacturer)	Color: White OD: 1.32~1.37 mm Vendor: Kurabe or equivalent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



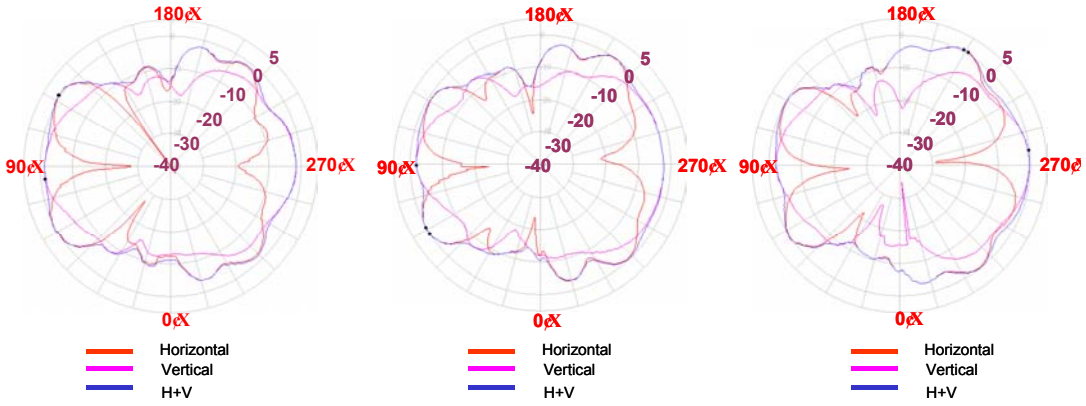
4. Mechanical Drawing of Antennas



Remark: Antenna patches follow “Dell Standard Antenna Dimension”

5. Gain Patterms

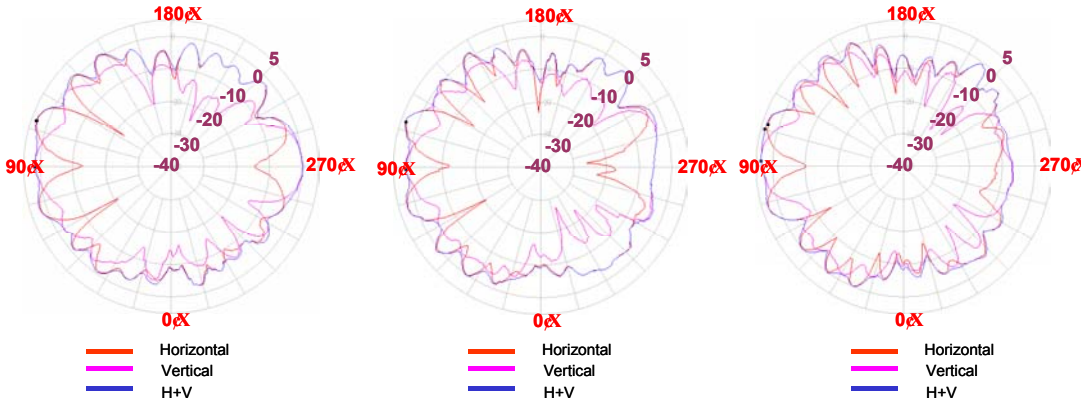
- Main Antenna



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

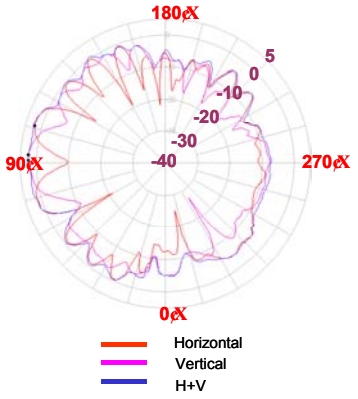
Center Frequency	2483.5MHz
Horizontal peak gain (dBi)	0.57
Vertical peak Gain (dBi)	-0.43
Hori + Vert Peak gain (dBi)	0.64
Hori + Vert Ave. gain (dBi)	-2.73



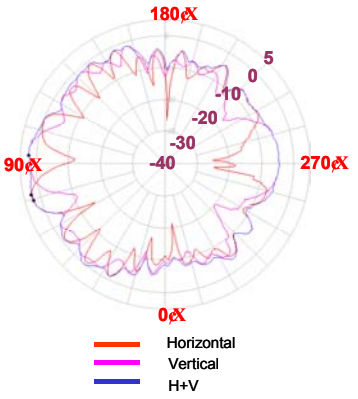
Center Frequency	4900 MHz
Horizontal peak gain (dBi)	3.36
Vertical peak Gain (dBi)	1.52
Hori + Vert Peak gain (dBi)	3.46
Hori + Vert Ave. gain (dBi)	-1.95

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

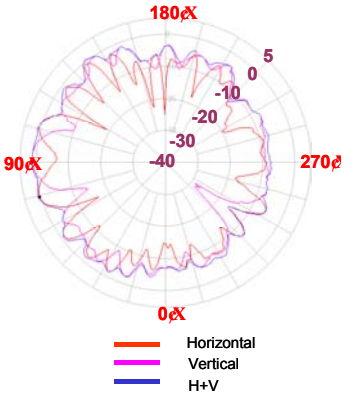
Center Frequency	5350 MHz
Horizontal peak gain (dBi)	3.23
Vertical peak Gain (dBi)	3.56
Hori + Vert Peak gain (dBi)	3.74
Hori + Vert Ave. gain (dBi)	-1.96



Center Frequency	5470 MHz
Horizontal peak gain (dBi)	2.17
Vertical peak Gain (dBi)	2.50
Hori + Vert Peak gain (dBi)	2.52
Hori + Vert Ave. gain (dBi)	-2.87

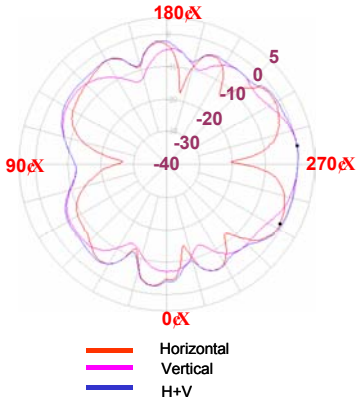


Center Frequency	5672.5 MHz
Horizontal peak gain (dBi)	2.36
Vertical peak Gain (dBi)	2.36
Hori + Vert Peak gain (dBi)	2.57
Hori + Vert Ave. gain (dBi)	-3.05

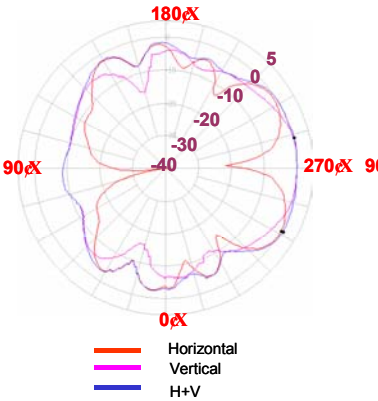


Center Frequency	5875 MHz
Horizontal peak gain (dBi)	0.49
Vertical peak Gain (dBi)	1.33
Hori + Vert Peak gain (dBi)	1.39
Hori + Vert Ave. gain (dBi)	-3.69

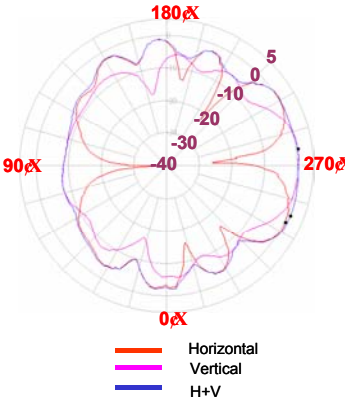
- Aux Antenna



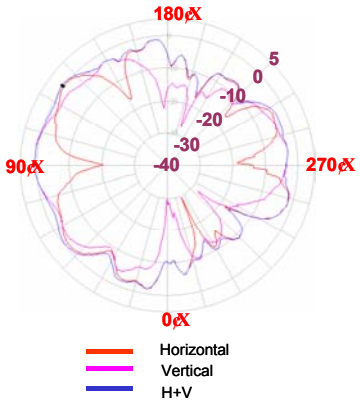
Center Frequency	2400 MHz
Horizontal peak gain (dBi)	-0.95
Vertical peak Gain (dBi)	0.20
Hori + Vert Peak gain (dBi)	0.22
Hori + Vert Ave gain (dBi)	-3.59



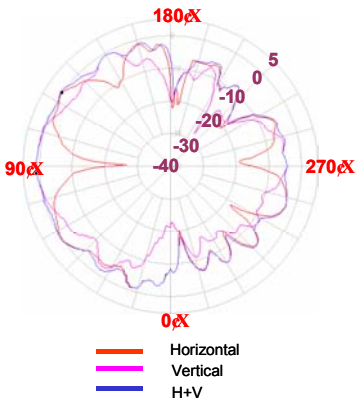
Center Frequency	2450 MHz
Horizontal peak gain (dBi)	0.15
Vertical peak Gain (dBi)	0.25
Hori + Vert Peak gain (dBi)	0.73
Hori + Vert Ave. gain (dBi)	-3.28



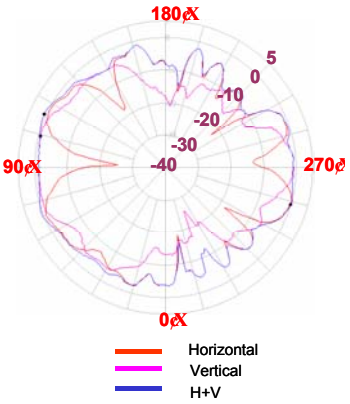
Center Frequency	2483.5MHz
Horizontal peak gain (dBi)	0.40
Vertical peak Gain (dBi)	0.57
Hori + Vert Peak gain (dBi)	1.01
Hori + Vert Ave. gain (dBi)	-3.21



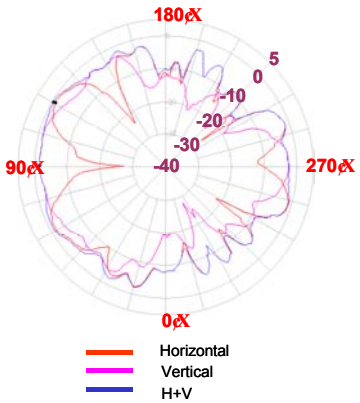
Center Frequency	4900 MHz
Horizontal peak gain (dBi)	0.19
Vertical peak Gain (dBi)	0.69
Hori + Vert Peak gain (dBi)	0.71
Hori + Vert Ave. gain (dBi)	-3.22



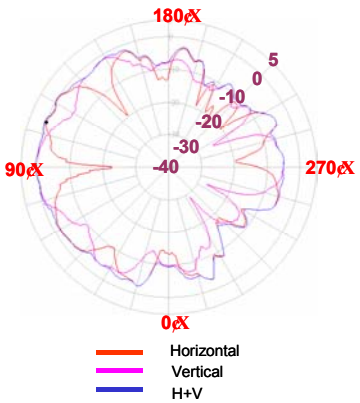
Center Frequency	5125 MHz
Horizontal peak gain (dBi)	0.22
Vertical peak Gain (dBi)	0.89
Hori + Vert Peak gain (dBi)	0.90
Hori + Vert Ave. gain (dBi)	-3.10



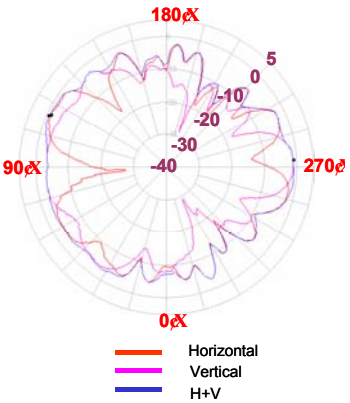
Center Frequency	5350 MHz
Horizontal peak gain (dBi)	-0.10
Vertical peak Gain (dBi)	-0.60
Hori + Vert Peak gain (dBi)	0.60
Hori + Vert Ave. gain (dBi)	-2.90



Center Frequency	5470 MHz
Horizontal peak gain (dBi)	-1.00
Vertical peak Gain (dBi)	-1.50
Hori + Vert Peak gain (dBi)	-0.36
Hori + Vert Ave. gain (dBi)	-3.79



Center Frequency	5672.5 MHz
Horizontal peak gain (dBi)	-0.14
Vertical peak Gain (dBi)	0.69
Hori + Vert Peak gain (dBi)	0.69
Hori + Vert Ave. gain (dBi)	-3.81



Center Frequency	5875 MHz
Horizontal peak gain (dBi)	-1.34
Vertical peak Gain (dBi)	-1.01
Hori + Vert Peak gain (dBi)	-0.82
Hori + Vert Ave. gain (dBi)	-4.17