

Antenna Regulatory Information

• Product type	• UWB antenna
• Model number	• Corsica/ Sapporo
• Revision	• A00
• Manufacturer Part No. :	• QT0391-11-000-R
• Dell Part No. :	•

Amphenol

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Template Revision 052107

1. Specifications

Antenna Specifications

Antenna Type (Material, Technology)	IFA Flex, Inverted-F Antenna (IFA)
Antenna Model Number	DELL Corsica/ Sapporo
Operating Frequency Range(s)	BG1: 3.168~4.752 GHz
Peak Gain (dBi)	BG1: 2.78 dBi
	BG3: N/A
Radio Connector Type	Hirose U.FL-LP-88 or IPEX 20308-111R-32/ 20363-111R-37 or equivalent connector
Mid-Line Connector Type (If Applicable)	N/A

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

Cable Specifications

Cable Parameters	UWB antenna		
	LCD Side	Base Side	Total
Length (mm)	111.5 mm	137.5 mm	249 mm
Loss (Including Connectors) (dB, 4GHz)			0.75 dB
Description (Color, Diameter, Manufacturer)	Color: Blue OD: 1.32~1.37 mm Vendor: GBE R4		

2. Antenna Assembly

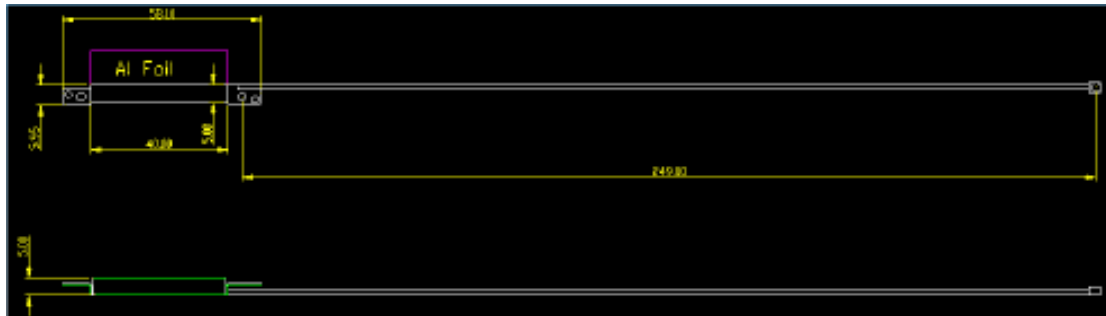


3. Antenna Assembly Installed in The Notebook



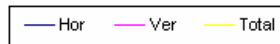
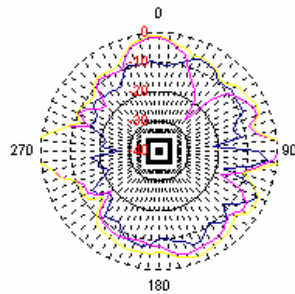
UWB

4. Mechanical Drawing of Antennas

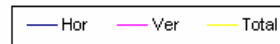
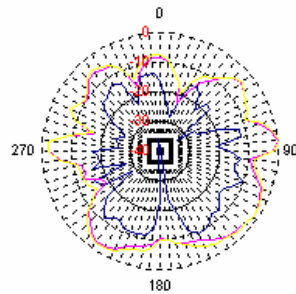


5. Gain Patterns

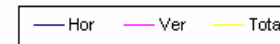
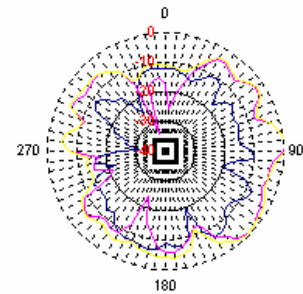
- BG1:



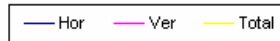
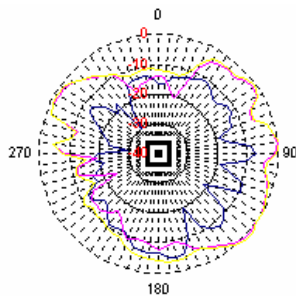
Centre Frequency	3168 MHz
Horizontal peak gain (dBi)	-3.21
Vertical peak gain (dBi)	2.78
Hori + Vert peak gain (dBi)	2.79



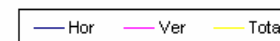
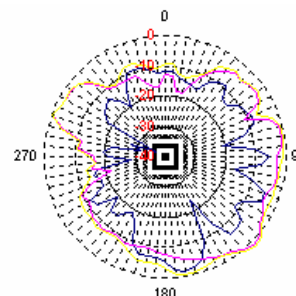
Centre Frequency	3300 MHz
Horizontal peak gain (dBi)	-8.79
Vertical peak gain (dBi)	0.26
Hori + Vert peak gain (dBi)	0.30



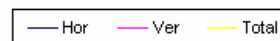
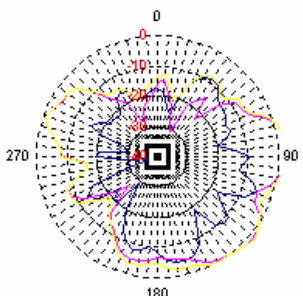
Centre Frequency	3432 MHz
Horizontal peak gain (dBi)	-6.21
Vertical peak gain (dBi)	1.17
Hori + Vert peak gain (dBi)	1.29



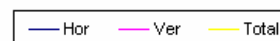
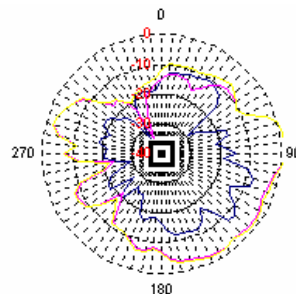
Centre Frequency	3564 MHz
Horizontal peak gain (dBi)	-4.64
Vertical peak gain (dBi)	0.56
Hori + Vert peak gain (dBi)	0.99



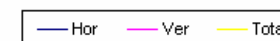
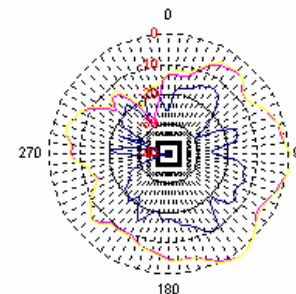
Centre Frequency	3696 MHz
Horizontal peak gain (dBi)	-1.75
Vertical peak gain (dBi)	1.28
Hori + Vert peak gain (dBi)	1.93



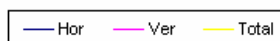
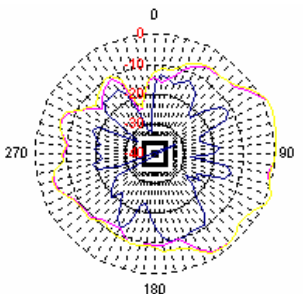
Centre Frequency	3828 MHz
Horizontal peak gain (dBi)	-4.48
Vertical peak gain (dBi)	1.87
Hori + Vert peak gain (dBi)	2.01



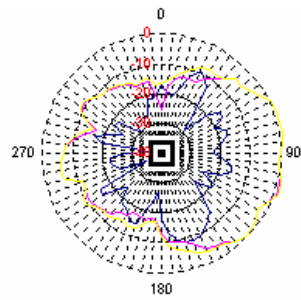
Centre Frequency	3960 MHz
Horizontal peak gain (dBi)	-7.87
Vertical peak gain (dBi)	1.47
Hori + Vert peak gain (dBi)	1.57



Centre Frequency	4092 MHz
Horizontal peak gain (dBi)	-10.11
Vertical peak gain (dBi)	1.48
Hori + Vert peak gain (dBi)	1.72

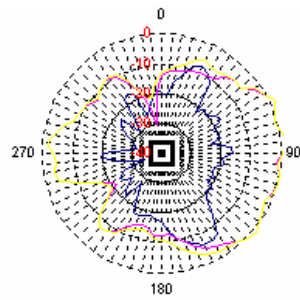


Centre Frequency	4224 MHz
Horizontal peak gain (dBi)	-10.37
Vertical peak gain (dBi)	2.05
Hori + Vert peak gain (dBi)	2.06



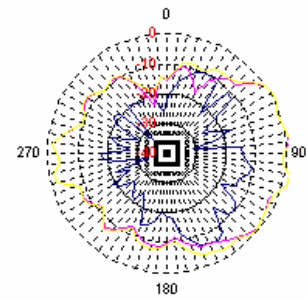
— Hor — Ver — Total

Centre Frequency	4356 MHz
Horizontal peak gain (dBi)	-8.63
Vertical peak gain (dBi)	1.28
Hori + Vert peak gain (dBi)	1.32



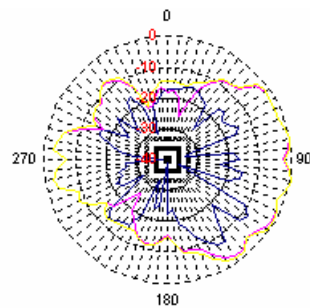
— Hor — Ver — Total

Centre Frequency	4488 MHz
Horizontal peak gain (dBi)	-6.01
Vertical peak gain (dBi)	1.82
Hori + Vert peak gain (dBi)	1.88



— Hor — Ver — Total

Centre Frequency	4620 MHz
Horizontal peak gain (dBi)	-6.12
Vertical peak gain (dBi)	1.44
Hori + Vert peak gain (dBi)	1.69



— Hor — Ver — Total

Centre Frequency	4752 MHz
Horizontal peak gain (dBi)	-8.05
Vertical peak gain (dBi)	0.36
Hori + Vert peak gain (dBi)	0.48