

Antenna Regulatory Information

• Product type	• UWB antenna
• Model number	• Corsica / Sapporo
• Revision	• A01
• Manufacturer Part No. :	• ANT0578 (ANTP0103-C0097-0)
• Dell Part No. :	• DQ6NT057800

NISSEI ELECTRIC CO., LTD

1509 Okubo-Cho, Hamamatsu-City, Shizuoka-Pref, 432-8006 Japan

TEL +81-53-485-4705 / FAX +81-53-485-5109

1. Specifications

Antenna Specifications

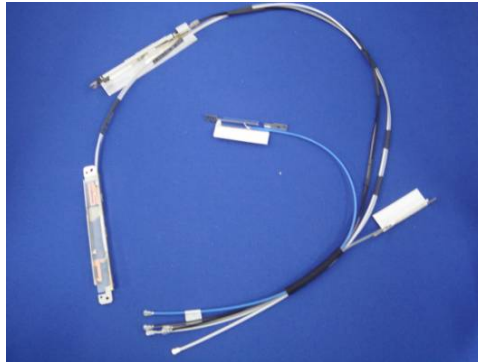
Antenna Type (Material, Technology)	IFA
Antenna Model Number	ANT0578
Operating Frequency Range(s)	BG1: 3.168~4.752 GHz
Peak Gain (dBi)	BG1: 2.81dBi
	BG3: N/A
Radio Connector Type	Hirose U.FL-LP-88
Mid-Line Connector Type (If Applicable)	N/A

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

Cable Specifications

Cable Parameters	UWB antenna		
	LCD Side	Base Side	Total
Length (mm)	N/A	N/A	249
Loss (Including Connectors) (dB, 4GHz)			0.88
Description (Color, Diameter, Manufacturer)	Color: Blue OD: 1.37 mm NISSEI ELECTRIC CO., LTD.		

2. Antenna Assembly

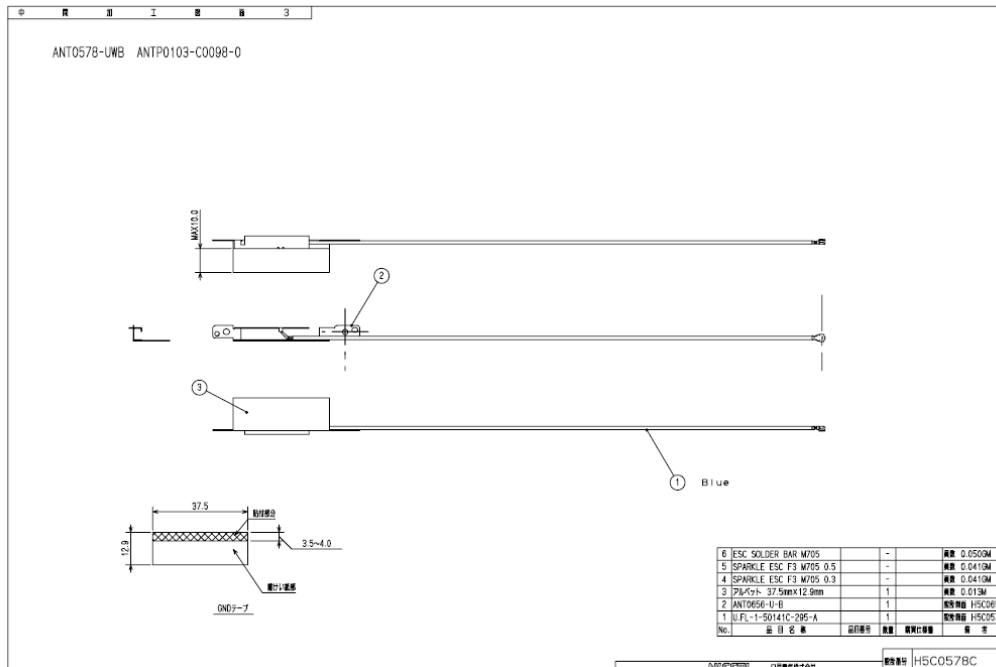
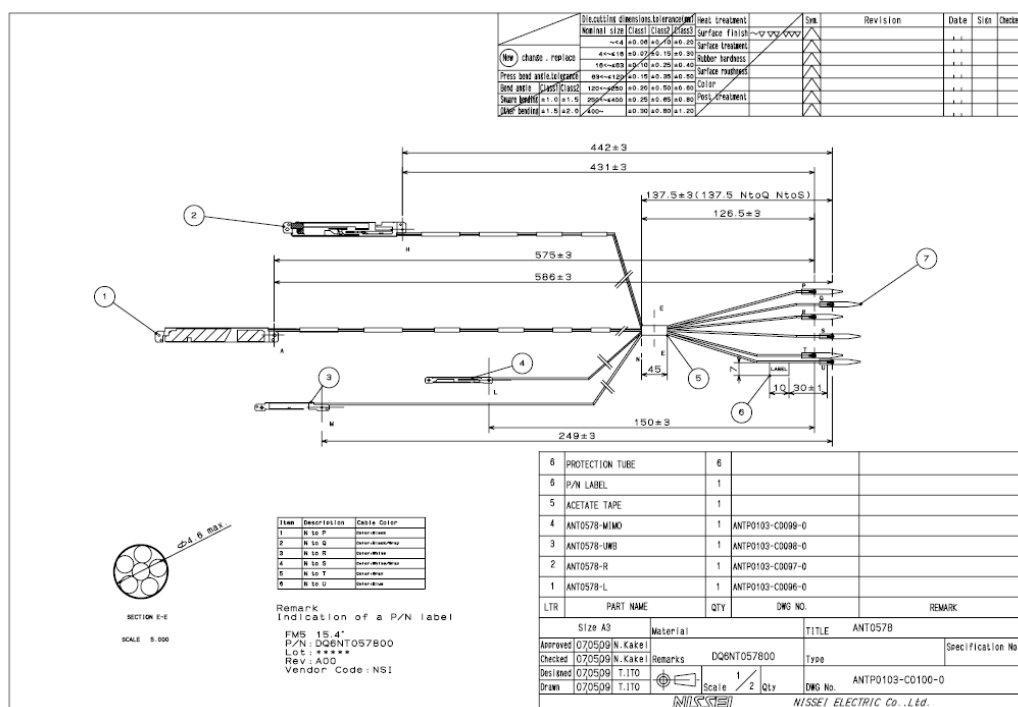


3. Antenna Assembly Installed in The Notebook



UWB Antenna

4. Mechanical Drawing of Antennas



5. Gain Patternms

- BG1:

Frequency	3168 MHz	3432 MHz	3696 MHz	3960 MHz	4224 MHz	4488 MHz	4752 MHz	0 MHz	0 MHz	0 MHz	0 MHz	0 MHz
Horizontal peak gain (dBi)	-2.41	-4.68	-2.61	-4.09	-4.52	-0.56	-2.94	0.00	0.00	0.00	0.00	0.00
Vertical peak gain (dBi)	-1.02	1.91	2.12	2.81	2.78	2.81	2.04	0.00	0.00	0.00	0.00	0.00
Hori+Vert peak gain (dBi)	0.01	2.37	2.50	2.90	2.85	3.80	2.09	3.01	3.01	3.01	3.01	3.01
Horizontal Ave gain (dBi)	-9.63	-10.44	-8.34	-10.87	-10.05	-7.89	-10.84	0.00	0.00	0.00	0.00	0.00
Vertical Ave gain (dBi)	-5.22	-3.78	-3.16	-3.14	-1.27	-2.24	-3.52	0.00	0.00	0.00	0.00	0.00
Hori+Vert Ave gain (dBi)	-3.88	-2.93	-2.01	-2.47	-0.73	-1.20	-2.78	3.01	3.01	3.01	3.01	3.01

