



## APPROVAL SHEET

TO: Data Ltd., Inc.

SHEET NO: \_\_\_\_\_ DATE: 16-Jul-10

PRODUCT NAME: DLI8500 WIFI-R AUX ANTENNA

SPEED TECH P/N

DMLP198-00002-H

CUSTOMER P/N

34850026020

AUTHORIZED SIGNATURE		
NAME		
DATE		

宣德科技股份有限公司

**SPEED TECH CORP.**

桃園縣 33393 龜山鄉民生北路一段 568 號

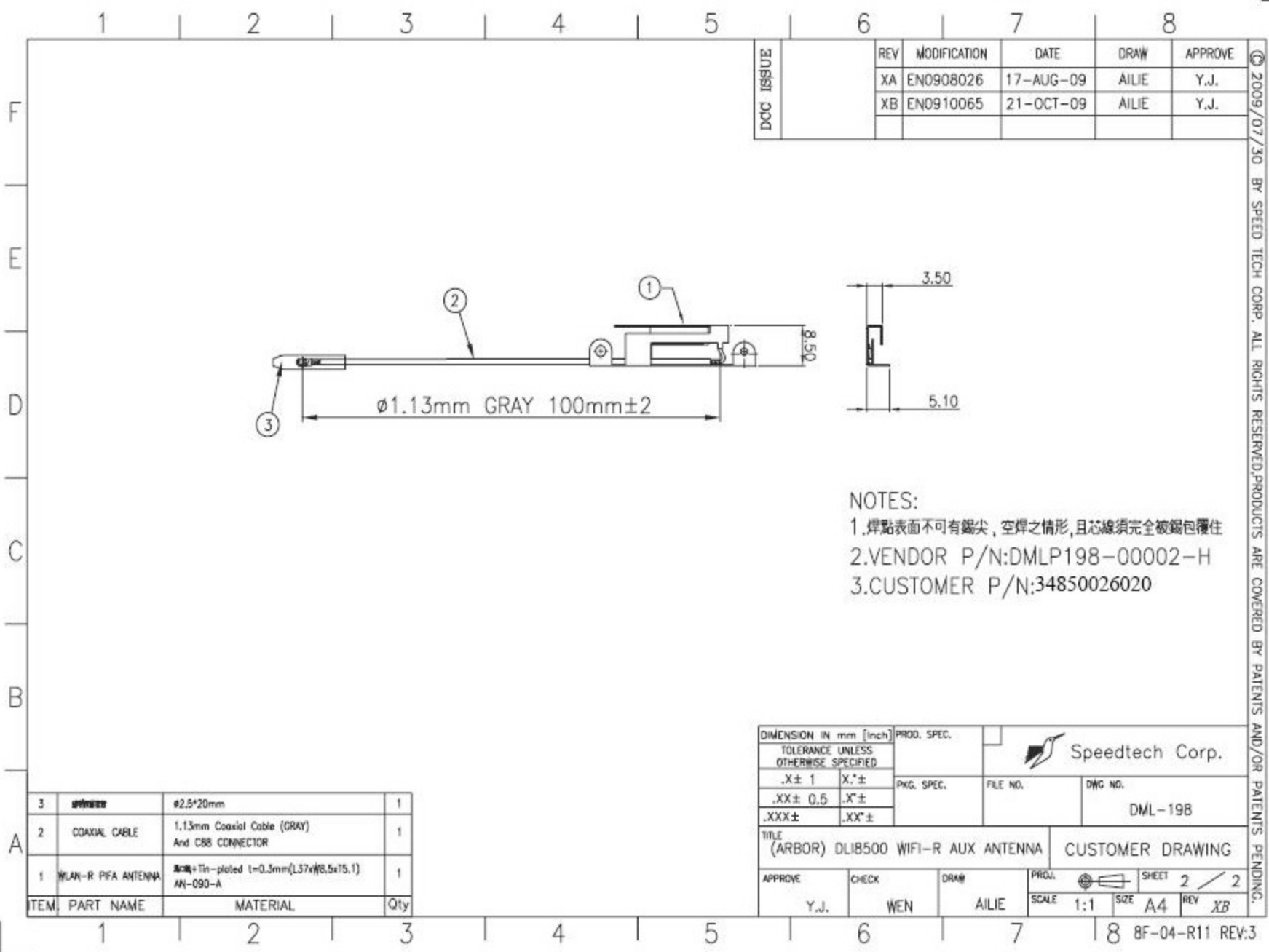
NO. 568, Sec.1, Min-Sheng Road,

Kwei-Shan Hsiang, Taoyuan Hsien, Taiwan

TEL : 886-3-2120088

# I. DRAWING ASSEMBLY & BOM

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NOTES:  
 1. 焊點表面不可有錫尖, 空焊之情形, 且芯線須完全被錫包覆住  
 2. VENDOR P/N: DMLP198-00002-H  
 3. CUSTOMER P/N: 34850026020

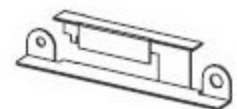
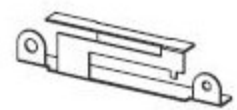
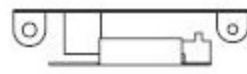
ITEM	PART NAME	MATERIAL	Qty
3	焊料	#2.5*20mm	1
2	COAXIAL CABLE	1.13mm Coaxial Cable (GRAY) And CS8 CONNECTOR	1
1	WiFi-R PIFA ANTENNA	銅鍍+Tin-plated L=0.3mm(L37x(8.5x75.1)) AN-090-A	1

DIMENSION IN mm [inch]		PROD. SPEC.		Speedtech Corp.	
TOLERANCE UNLESS OTHERWISE SPECIFIED		PVG. SPEC.		FILE NO.	DWG NO.
.X ± 1	.X' ±			DML-198	
.XX ± 0.5	.X' ±				
.XXX ±	.XX' ±				
TITLE				CUSTOMER DRAWING	
(ARBOR) DL1B500 WiFi-R AUX ANTENNA					
APPROVE	CHECK	DRAW	PROJ.	SHEET	2 / 2
Y.J.	WEN	AILIE	SCALE 1:1	SIZE A4	REV XB

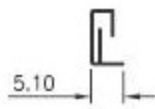
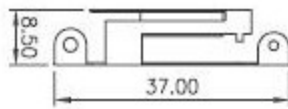
1 2 3 4 5 6 7 8

F  
E  
D  
C  
B  
A

REV	MODIFICATION	DATE	DRAW	APPROVE
A	EN0906048	30-JUL-09	AILIE	Y.J.
B	EN0908014	05-AUG-09	AILIE	Y.J.
C			AILIE	Y.J.



NOTES:  
 1.MATERIAL:SPCC  
 2.THICKNESS:0.3±0.02mm  
 3.BURR:0.05mm MAX  
 4.FINGER-PRINT, RUSTINESS AND SCRATCHES ARE NOT ALLOWED  
 5.HALOGEN FREE PRODUCT P/N: DMLP425-00001-H  
 6.PLATING:100u" TIN OVERALL



AN-090-A

RANGE	TOLERANCE
0.5-10	±0.05
11-50	±0.10
51-100	±0.15
101-	±0.20

QC : inspection item Cp/Cpk and SPC Control item	DIMENSION IN mm [Inch]		宜德科技股份有限公司 Speedtech Corp.	
	TOLERANCE UNLESS OTHERWISE SPECIFIED		圖號 FILE NO.	零件號 DML-425
	.X±	X." ± 1"	名稱 TITLE AN-090-A	
	.XX±	.X" ±	製圖 DRAW AILIE	校核 CHECK DYLAN
	.XXX±	.XX" ±	方法 PROJ. SCALE 1:1	圖號 SHEET 1 / 1
審核 APPROVE Y.J.	校對 CHECK		圖號 SCALE 1:1	圖號 SHEET A4

1 2 3 4 5 6 7 8 8F-04-R10 REV:4

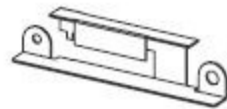
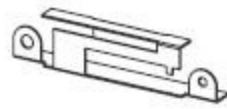
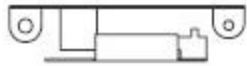
THIS INFORMATION IS CONFIDENTIAL AND IS RELEASED TO YOU ON CONDITION THAT NO FURTHER DISCLOSURE IS MADE BY YOU TO OTHER THAN SPEED TECH PERSONNEL WITHOUT AUTHORIZATION FROM SPEED TECH CORP.

1 2 3 4 5 6 7 8

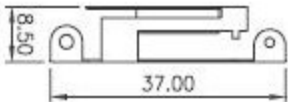
F  
E  
D  
C  
B  
A

DCC ISSUE	更改 REV	變更內容 MODIFICATION	日期 DATE	製圖 DRAW	核准 APPROVE
	A	EN0906048	30-JUL-09	AILIE	Y.J.
	B	EN0908014	05-AUG-09	AILIE	Y.J.
	C			AILIE	Y.J.

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AN-090-A

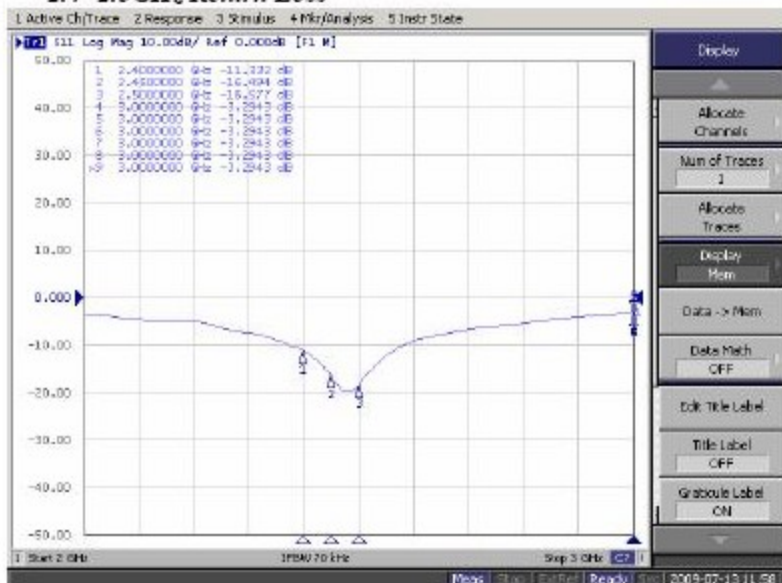
RANGE	TOLERANCE
0.5-10	±0.05
11-50	±0.10
51-100	±0.15
101-	±0.20

QC Inspection Item Cp/Cpk and SPC Control Item	DIMENSION IN mm [Inch]		宜德科技股份有限公司 Speedtech Corp.	
	TOLERANCE UNLESS OTHERWISE SPECIFIED		案號 FILE NO.	圖號 DWG NO. DML-425
	.X±	X."± 1"	名稱 TITLE AN-090-A	
	.XX±	.X"±	製圖 DRAW AILIE	核准 PROJ. SOLE 1:1
.XXX±	.XX"±	審核 APPROVE Y.J.	製圖 DRAW DYLAN	圖號 SHEET 1 / 1
		圖號 SIZE A4	核准 REV C	

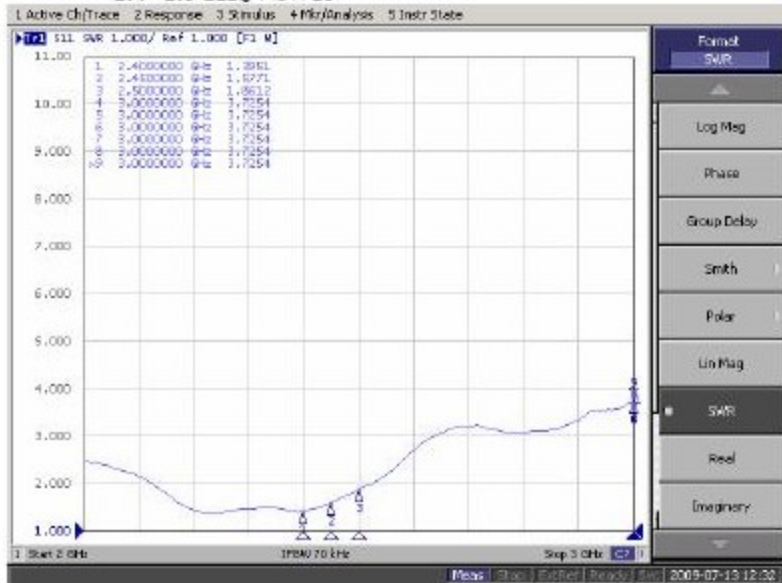
1 2 3 4 5 6 7 8 8F-04-R10 REV:4

#### IV. BT Ant.

##### 2.4~2.5GHz Return Loss



##### 2.4~2.5GHz VSWR

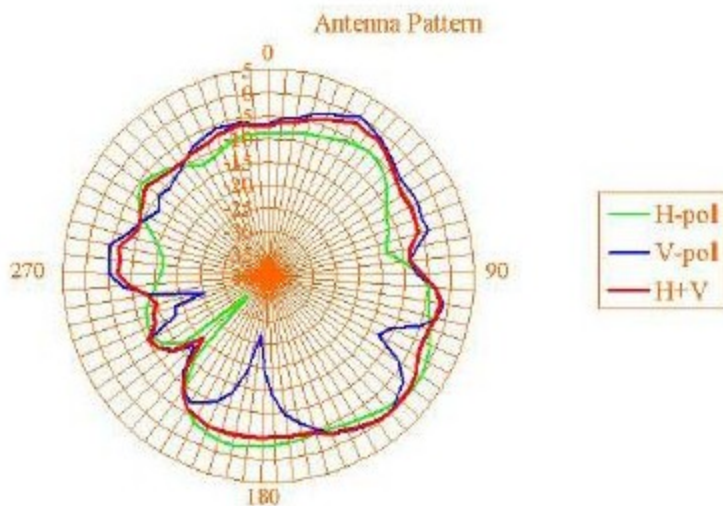


## V. Gain & Pattern - BT

### a. 2.4GHz



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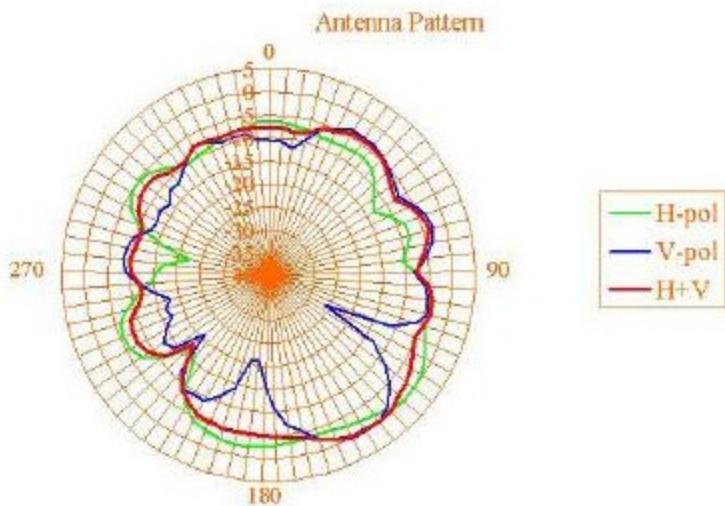


	H-Pol	V-Pol	H+V
Average Gain	-6.83	-6.66	-3.74
Peak Gain	-1.09	-1.36	1.16

b. 2.45GHz



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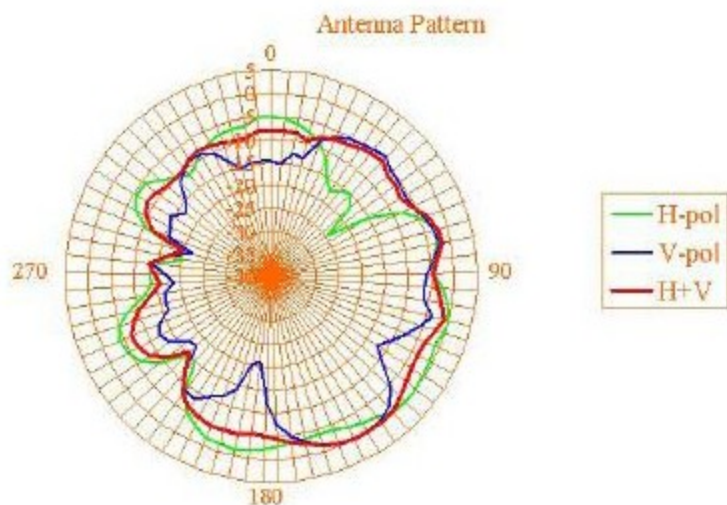


	H-Pol	V-Pol	H+V
Average Gain	-6.68	-6.75	-3.70
Peak Gain	-1.19	-0.10	1.78

c. 2.5GHz



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	H-Pol	V-Pol	H+V
Average Gain	-6.83	-6.69	-3.75
Peak Gain	-2.11	0.12	1.35