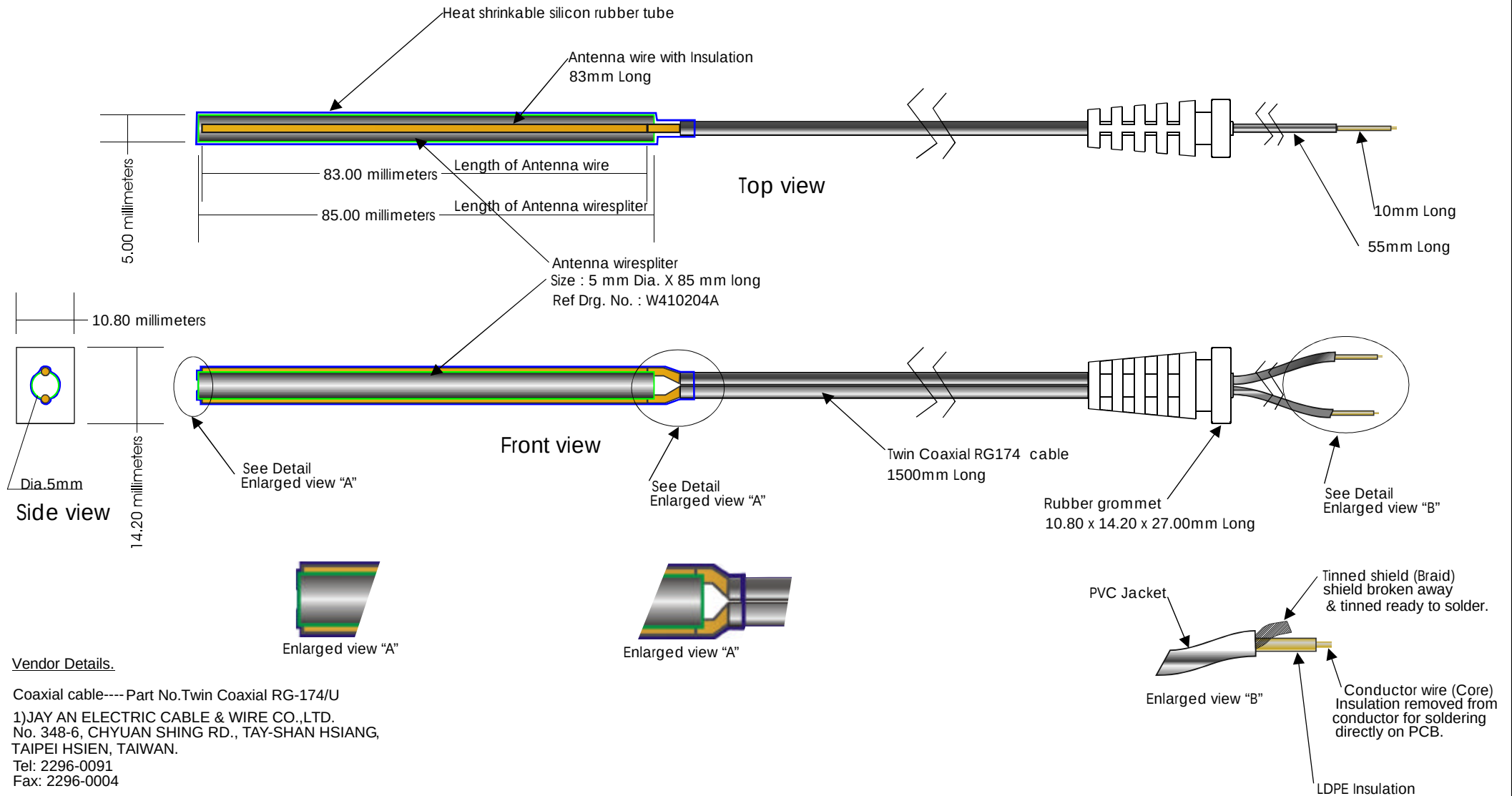




Vendor Details.

Coaxial cable---- Part No.Twin Coaxial RG-174/U
 1)JAY AN ELECTRIC CABLE & WIRE CO.,LTD.
 No. 348-6, CHYUAN SHING RD., TAY-SHAN HSIANG,
 TAIPEI HSIEN, TAIWAN.
 Tel: 2296-0091
 Fax: 2296-0004

D	Changed Vendor Details.
C	Shown Enlarged detail view "B"
B	Added Vendor Details & Enlarged detail view "A" 2xRG17 Coaxial cable replaced by twin Coaxial RG174 cable. & Silicon heat shrinkable tube removed from Coaxial cable.
Rev	Description

V&V Design Pvt. Ltd. 1st Fl.,H. Kantilal Compound, M. V. Road, Sakinaka, Andheri(E), Mumbai-72, INDIA				NO: W410205D
MODEL: RG4102	TITLE: Antenna Cable Assembly	REV: D	ECO: 0	
PROJ:	MATERIAL:			
SCALE: NTS	UNIT:MM	TREATMENT:		
SHEET: 1 of 1	TOL: ±2 MM	DESIGN BY: DEEPM	CHECKED BY:	APPROVED BY: MANOJ KANUM
				DATE: 2004/06/01

Antenna Pattern Measurement

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Antenna Under Test(AUT): RG4102

ET93C-05-388-01

Test Date: May.28.2004

Test Frequency: 915 MHz

Test Polarization: Horizontal

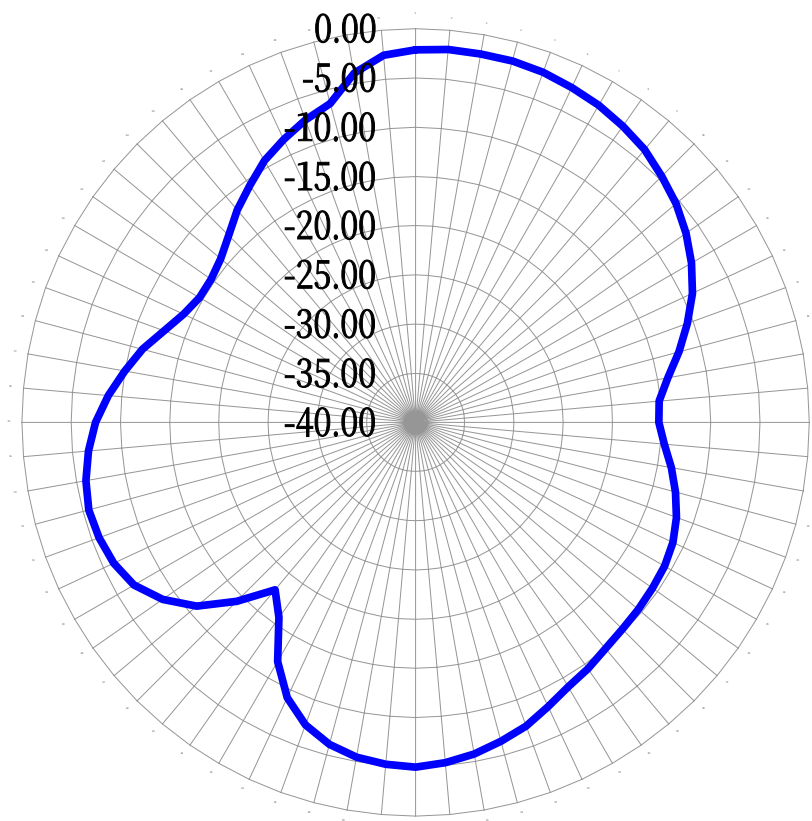
Test Step Degree: 5 degree

Tester:

Max.Gain: -1.97 dBi

Min.Gain: -17.80 dBi

Average Gain: -8.70 dBi



Step : 5dB

Degree	Reading/Aut	Reading/Std	Gain/Std(dBi)	Gain/Aut(dBi)
0.0	-31.17	-22.83	6.2	-2.14
5.0	-31.00	-22.83	6.2	-1.97
10.0	-31.00	-22.83	6.2	-1.97
15.0	-31.00	-22.83	6.2	-1.97
20.0	-31.17	-22.83	6.2	-2.14
25.0	-31.50	-22.83	6.2	-2.47
30.0	-31.83	-22.83	6.2	-2.80
35.0	-32.33	-22.83	6.2	-3.30
40.0	-32.83	-22.83	6.2	-3.80
45.0	-33.67	-22.83	6.2	-4.64
50.0	-34.50	-22.83	6.2	-5.47
55.0	-35.50	-22.83	6.2	-6.47
60.0	-36.67	-22.83	6.2	-7.64
65.0	-38.00	-22.83	6.2	-8.97
70.0	-39.67	-22.83	6.2	-10.64
75.0	-41.33	-22.83	6.2	-12.30
80.0	-43.00	-22.83	6.2	-13.97
85.0	-44.17	-22.83	6.2	-15.14
90.0	-44.33	-22.83	6.2	-15.30
95.0	-43.67	-22.83	6.2	-14.64
100.0	-42.67	-22.83	6.2	-13.64
105.0	-41.67	-22.83	6.2	-12.64
110.0	-40.83	-22.83	6.2	-11.80
115.0	-40.17	-22.83	6.2	-11.14
120.0	-39.83	-22.83	6.2	-10.80
125.0	-39.67	-22.83	6.2	-10.64
130.0	-39.50	-22.83	6.2	-10.47
135.0	-39.33	-22.83	6.2	-10.30
140.0	-39.00	-22.83	6.2	-9.97
145.0	-38.50	-22.83	6.2	-9.47
150.0	-38.00	-22.83	6.2	-8.97
155.0	-37.17	-22.83	6.2	-8.14
160.0	-36.17	-22.83	6.2	-7.14
165.0	-35.50	-22.83	6.2	-6.47
170.0	-34.83	-22.83	6.2	-5.80
175.0	-34.33	-22.83	6.2	-5.30
180.0	-34.00	-22.83	6.2	-4.97
185.0	-34.17	-22.83	6.2	-5.14
190.0	-34.50	-22.83	6.2	-5.47
195.0	-35.17	-22.83	6.2	-6.14
200.0	-36.33	-22.83	6.2	-7.30

205.0	-38.17	-22.83	6.2	-9.14
210.0	-41.00	-22.83	6.2	-11.97
215.0	-44.83	-22.83	6.2	-15.80
220.0	-46.83	-22.83	6.2	-17.80
225.0	-43.33	-22.83	6.2	-14.30
230.0	-40.00	-22.83	6.2	-10.97
235.0	-37.67	-22.83	6.2	-8.64
240.0	-36.00	-22.83	6.2	-6.97
245.0	-35.17	-22.83	6.2	-6.14
250.0	-34.83	-22.83	6.2	-5.80
255.0	-34.67	-22.83	6.2	-5.64
260.0	-35.00	-22.83	6.2	-5.97
265.0	-35.67	-22.83	6.2	-6.64
270.0	-36.50	-22.83	6.2	-7.47
275.0	-37.67	-22.83	6.2	-8.64
280.0	-39.00	-22.83	6.2	-9.97
285.0	-40.33	-22.83	6.2	-11.30
290.0	-41.83	-22.83	6.2	-12.80
295.0	-43.00	-22.83	6.2	-13.97
300.0	-43.67	-22.83	6.2	-14.64
305.0	-43.67	-22.83	6.2	-14.64
310.0	-43.17	-22.83	6.2	-14.14
315.0	-42.17	-22.83	6.2	-13.14
320.0	-40.83	-22.83	6.2	-11.80
325.0	-39.67	-22.83	6.2	-10.64
330.0	-38.33	-22.83	6.2	-9.30
335.0	-37.33	-22.83	6.2	-8.30
340.0	-36.33	-22.83	6.2	-7.30
345.0	-35.50	-22.83	6.2	-6.47
350.0	-33.00	-22.83	6.2	-3.97
355.0	-31.60	-22.83	6.2	-2.57

Antenna Pattern Measurement

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Antenna Under Test(AUT): RG4102

ET93C-05-388-01

Test Date: May.28.2004

Test Frequency: 915 MHz

Test Polarization: Vertical

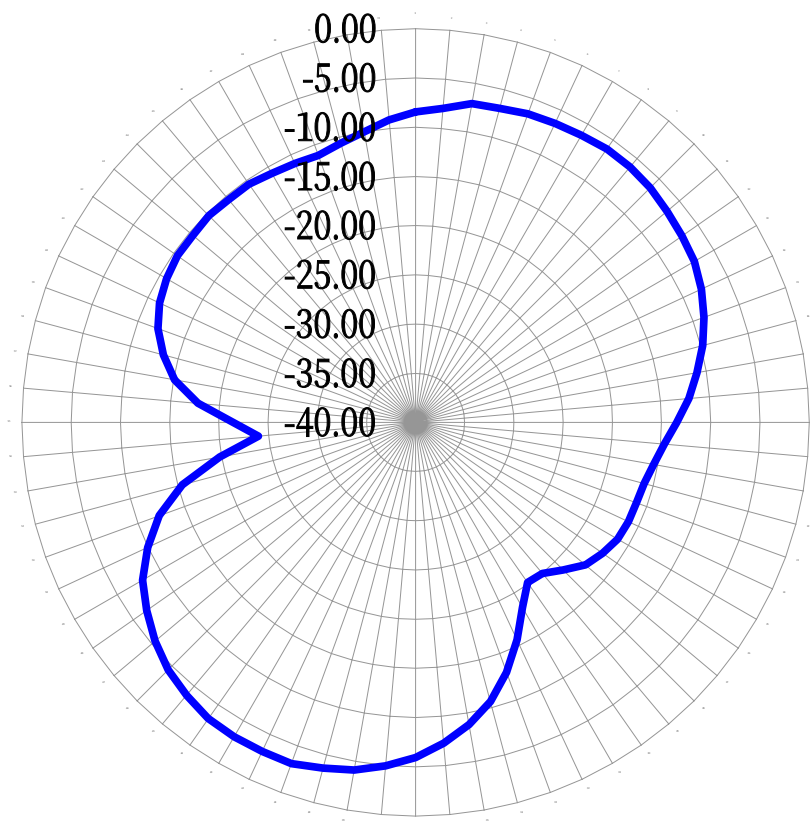
Test Step Degree: 5 degree

Tester:

Max.Gain: -3.13 dBi

Min.Gain: -23.96 dBi

Average Gain: -10.72 dBi



Step : 5dB

Degree	Reading/Aut	Reading/Std	Gain/Std(dBi)	Gain/Aut(dBi)
0.0	-36.33	-21.67	6.2	-8.46
5.0	-35.83	-21.67	6.2	-7.96
10.0	-35.00	-21.67	6.2	-7.13
15.0	-34.83	-21.67	6.2	-6.96
20.0	-34.50	-21.67	6.2	-6.63
25.0	-34.33	-21.67	6.2	-6.46
30.0	-34.17	-21.67	6.2	-6.30
35.0	-34.00	-21.67	6.2	-6.13
40.0	-34.00	-21.67	6.2	-6.13
45.0	-34.17	-21.67	6.2	-6.30
50.0	-34.50	-21.67	6.2	-6.63
55.0	-34.83	-21.67	6.2	-6.96
60.0	-35.17	-21.67	6.2	-7.30
65.0	-35.83	-21.67	6.2	-7.96
70.0	-36.67	-21.67	6.2	-8.80
75.0	-37.67	-21.67	6.2	-9.80
80.0	-38.83	-21.67	6.2	-10.96
85.0	-40.00	-21.67	6.2	-12.13
90.0	-41.33	-21.67	6.2	-13.46
95.0	-42.50	-21.67	6.2	-14.63
100.0	-43.33	-21.67	6.2	-15.46
105.0	-43.83	-21.67	6.2	-15.96
110.0	-44.00	-21.67	6.2	-16.13
115.0	-44.00	-21.67	6.2	-16.13
120.0	-44.17	-21.67	6.2	-16.30
125.0	-44.67	-21.67	6.2	-16.80
130.0	-45.33	-21.67	6.2	-17.46
135.0	-46.67	-21.67	6.2	-18.80
140.0	-47.83	-21.67	6.2	-19.96
145.0	-48.00	-21.67	6.2	-20.13
150.0	-46.17	-21.67	6.2	-18.30
155.0	-43.50	-21.67	6.2	-15.63
160.0	-40.83	-21.67	6.2	-12.96
165.0	-38.50	-21.67	6.2	-10.63
170.0	-36.67	-21.67	6.2	-8.80
175.0	-35.17	-21.67	6.2	-7.30
180.0	-33.83	-21.67	6.2	-5.96
185.0	-32.83	-21.67	6.2	-4.96
190.0	-32.00	-21.67	6.2	-4.13
195.0	-31.50	-21.67	6.2	-3.63
200.0	-31.00	-21.67	6.2	-3.13

205.0	-31.00	-21.67	6.2	-3.13
210.0	-31.00	-21.67	6.2	-3.13
215.0	-31.17	-21.67	6.2	-3.30
220.0	-31.67	-21.67	6.2	-3.80
225.0	-32.33	-21.67	6.2	-4.46
230.0	-33.33	-21.67	6.2	-5.46
235.0	-34.50	-21.67	6.2	-6.63
240.0	-35.83	-21.67	6.2	-7.96
245.0	-37.83	-21.67	6.2	-9.96
250.0	-40.17	-21.67	6.2	-12.30
255.0	-43.33	-21.67	6.2	-15.46
260.0	-47.67	-21.67	6.2	-19.80
265.0	-51.83	-21.67	6.2	-23.96
270.0	-49.33	-21.67	6.2	-21.46
275.0	-45.67	-21.67	6.2	-17.80
280.0	-43.00	-21.67	6.2	-15.13
285.0	-41.33	-21.67	6.2	-13.46
290.0	-40.00	-21.67	6.2	-12.13
295.0	-39.17	-21.67	6.2	-11.30
300.0	-38.67	-21.67	6.2	-10.80
305.0	-38.33	-21.67	6.2	-10.46
310.0	-38.33	-21.67	6.2	-10.46
315.0	-38.17	-21.67	6.2	-10.30
320.0	-38.33	-21.67	6.2	-10.46
325.0	-38.33	-21.67	6.2	-10.46
330.0	-38.67	-21.67	6.2	-10.80
335.0	-38.83	-21.67	6.2	-10.96
340.0	-39.00	-21.67	6.2	-11.13
345.0	-38.50	-21.67	6.2	-10.63
350.0	-37.90	-21.67	6.2	-10.03
355.0	-37.00	-21.67	6.2	-9.13