Antenna Specification
Test Report

PRODUCT : iGauge

Type designation : AF_14BT

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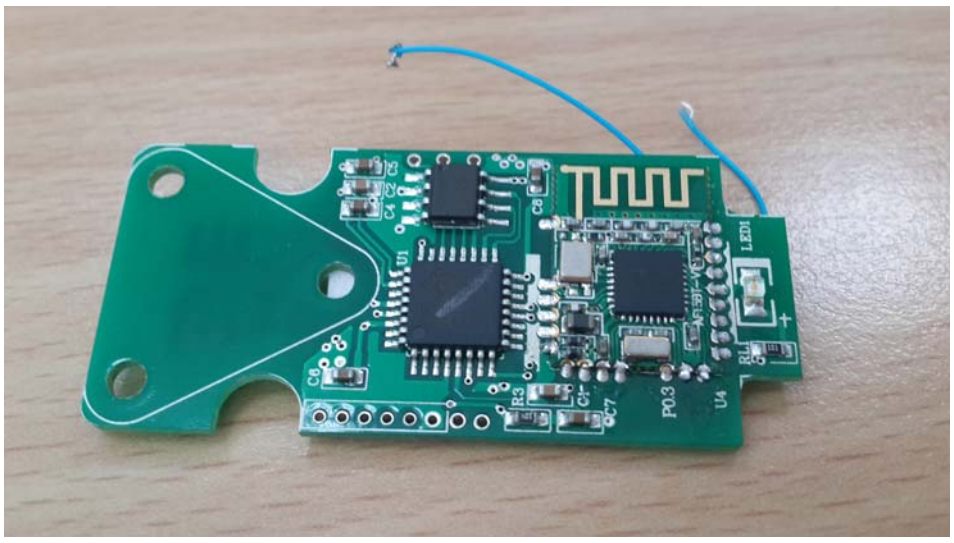


Airace Enterprise Co., Ltd.

TABALE OF CONTENTS

1. TEST RESULT CERTIFICATION

Applicant Name	Airace Enterprise Co., Ltd.
Manufacturer Name	Co-Luck enterprise Co., Ltd.
Product Designation	iGauge
Brand Name	N/A
Model Name	AF-14BT
Type of antenna	Pcb Antenna
Date of Test	Jun.29, 2014

2. TECHNICAL INFORMATION

2.1 EUT DESCRIPTION

	iGauge
Brand Name:	N/A
Model Name:	AF-14BT
Max Peak Gain	1.49dBi(Typical)
VSWR	2Max
Impedance	50ohm

3. DETAILS OF TEST

3.1 IDENTIFICATION OF THE RESPONSIBLE TESTING LOCATION

	Airace Enterprise Co., Ltd.

3.2 ENVIRONMENTAL CONDITIONS

-Temperature: 15-35ºC

-Humidity: 25-75 %

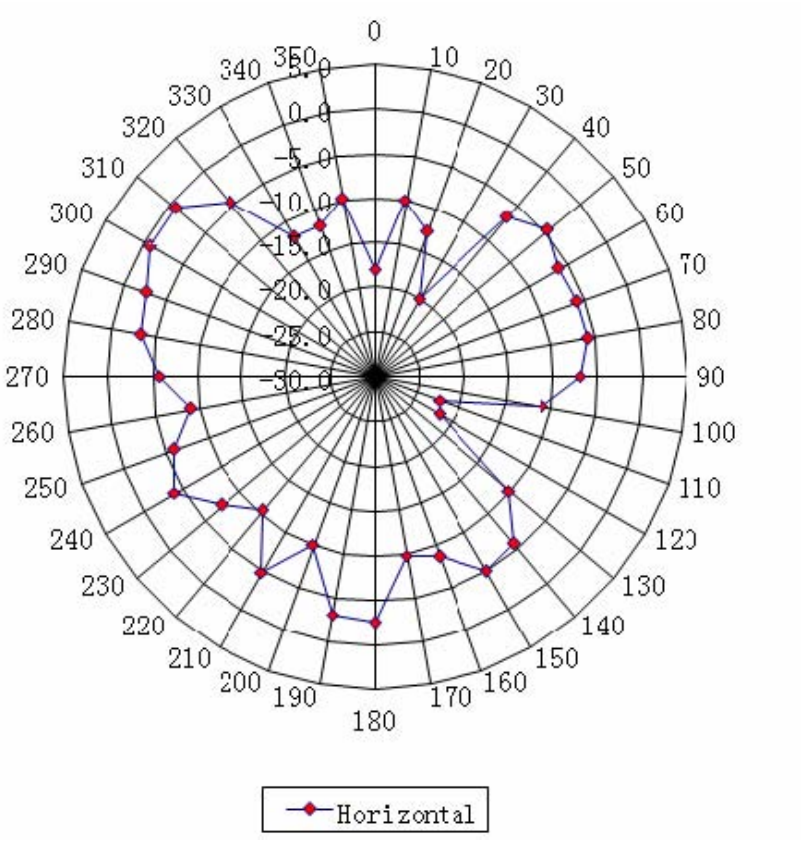
-Atmospheric pressure: 86-106 kPa

3.3 MEASUREMENT UNCERTAINTY The measurement uncertainty above 1GHz is defined as+/- 3.9dB

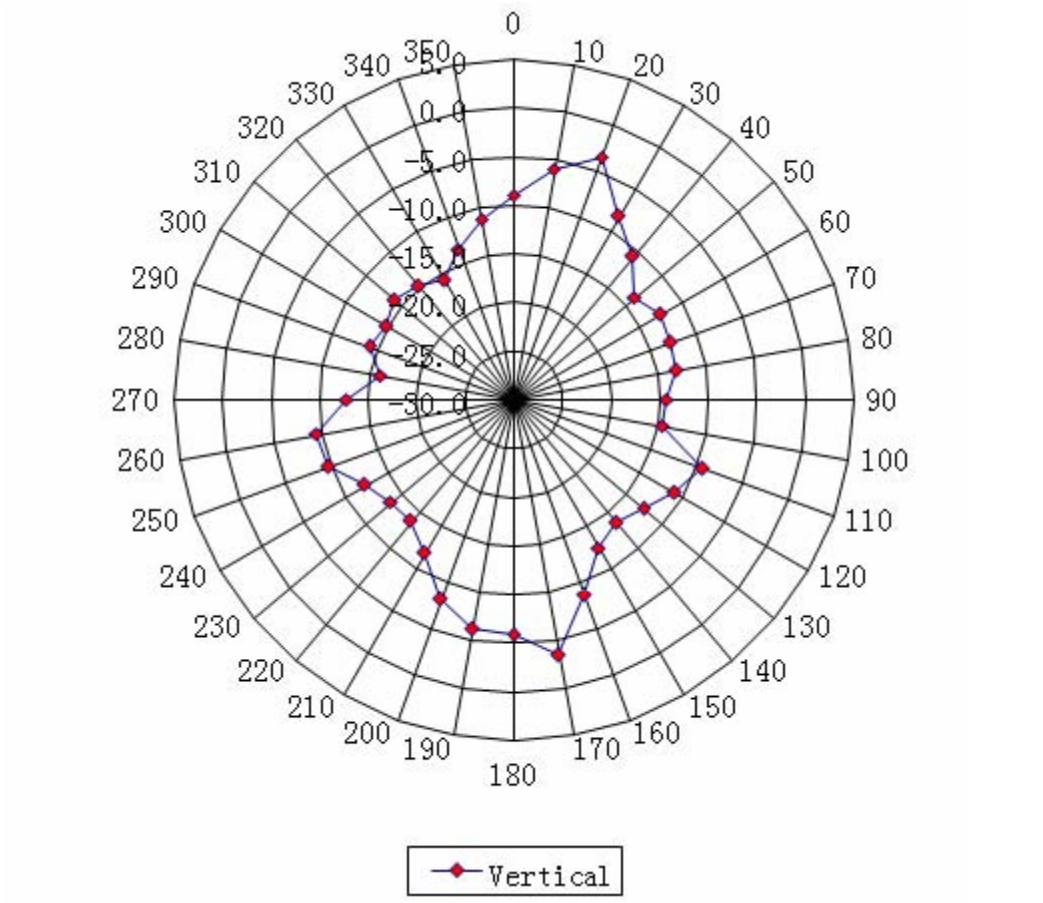
1GHz is defined as +/-3.8dB

4. TEST RESULTS

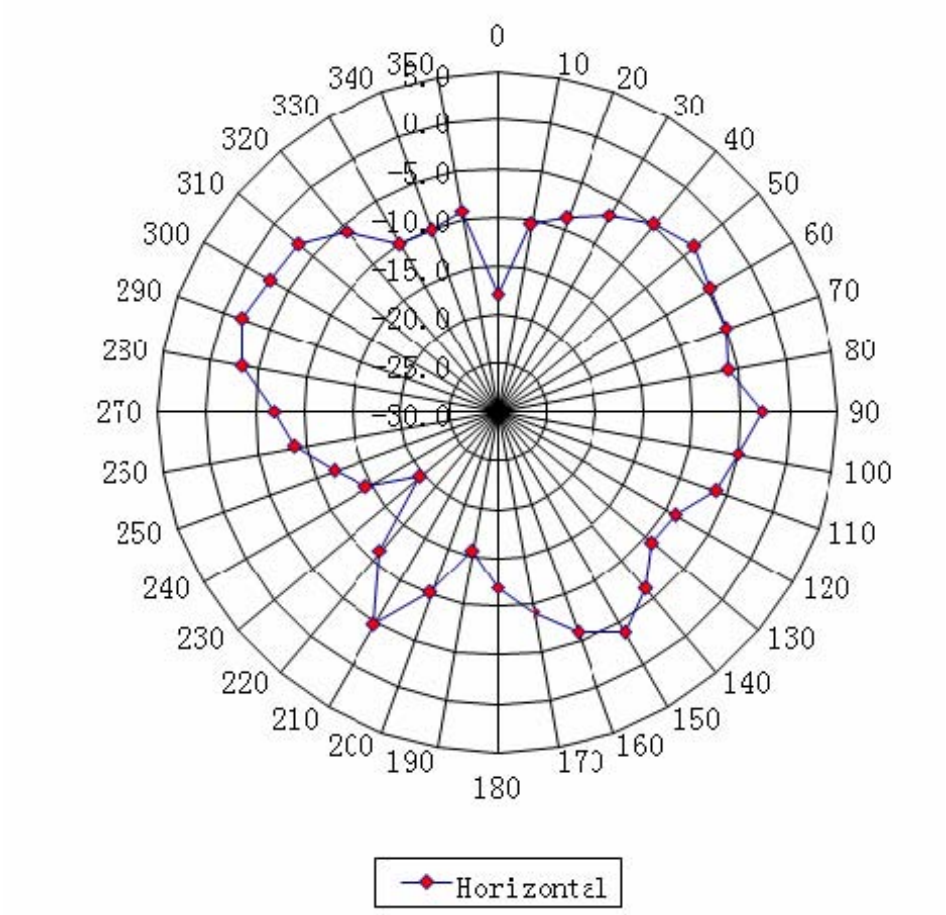
Mode:Transmit2440MHz (X Axis)-Horizontal					
Angel	Antenna Gain	Angel	Antenna Gain	Angel	Antenna Gain
0	-18.18	120	-21.62	240	-3.93
10	-9.97	130	-10.12	250	-5.98
20	-12.77	140	-5.55	260	-9.08
30	-20.10	150	-4.86	270	-5.89
40	-6.75	160	-8.56	280	-3.39
50	-4.50	170	-9.66	290	-2.76
60	-6.08	180	-2.51	300	-0.94
70	-5.73	190	-2.99	310	-0.81
80	-5.67	200	-9.99	320	-4.73
90	-6.88	210	-4.79	330	-12.08
100	-10.94	220	-10.53	340	-12.22
110	-22.14	230	-7.61	350	-9.84



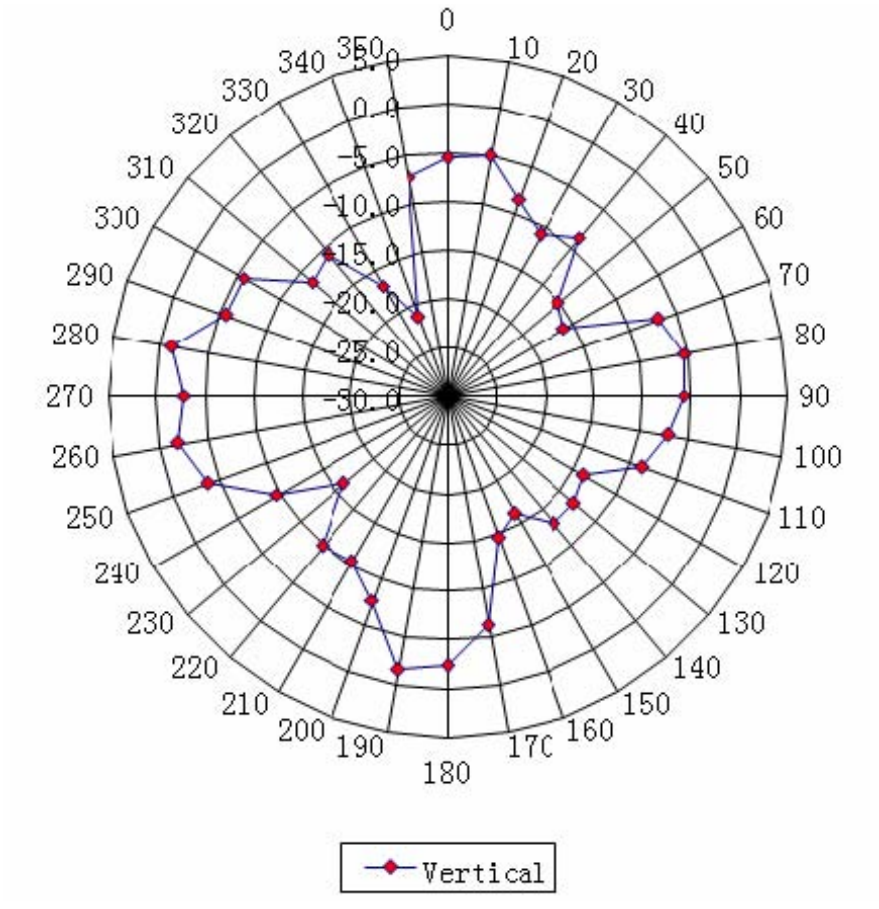
Mode:Transmit2440MHz (X Axis)-Vertical					
Angel	Antenna Gain	Angel	Antenna Gain	Angel	Antenna Gain
0	-9.01	120	-10.79	240	-12.30
10	-5.98	130	-12.48	250	-9.74
20	-3.50	140	-13.48	260	-9.49
30	-8.28	150	-12.33	270	-12.85
40	-10.81	160	-8.56	280	-16.14
50	-13.67	170	-3.25	290	-14.26
60	-12.49	180	-5.82	300	-14.91
70	-12.76	190	-6.06	310	-14.14
80	-12.97	200	-8.11	320	-14.78
90	-14.25	210	-11.72	330	-15.87
100	-14.35	220	-13.66	340	-13.61
110	-9.30	230	-13.59	350	-11.24



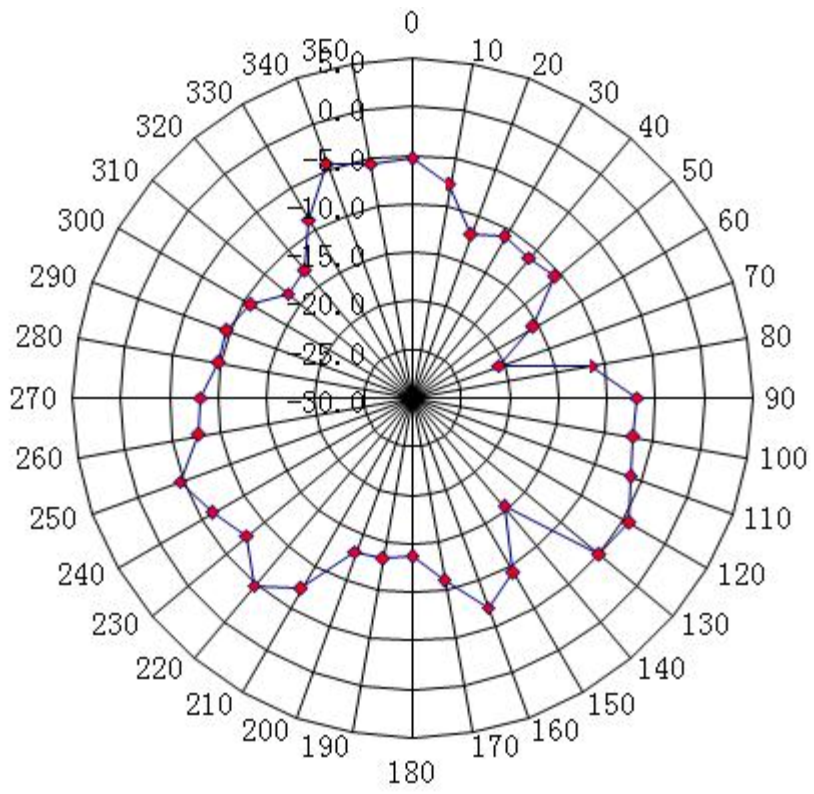
Mode:Transmit2440MHz (Y Axis)-Horizontal					
Angel	Antenna Gain	Angel	Antenna Gain	Angel	Antenna Gain
0	-18.01	120	-8.78	240	-14.54
10	-10.49	130	-9.07	250	-12.10
20	-8.96	140	-6.09	260	-8.81
30	-6.71	150	-3.64	270	-7.03
40	-4.85	160	-5.74	280	-3.35
50	-3.57	170	-9.07	290	-2.08
60	-4.62	180	-11.82	300	-3.13
70	-5.01	190	-15.48	310	-3.27
80	-5.85	200	-10.07	320	-5.82
90	-2.77	210	-4.62	330	-10.18
100	-4.91	220	-11.42	340	-10.15
110	-6.01	230	-19.64	350	-9.16



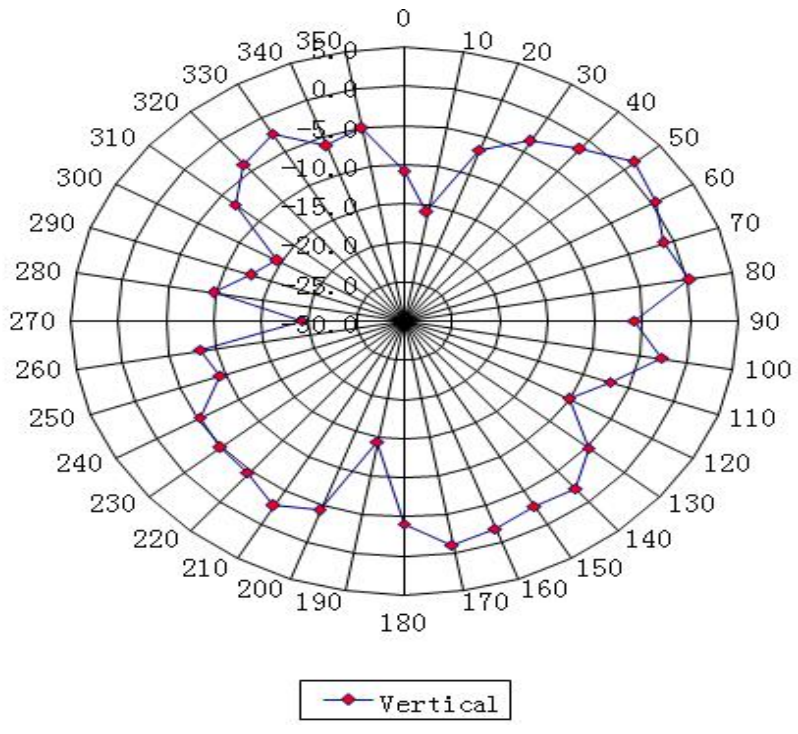
Mode:Transmit2440MHz (Y Axis)-Vertical					
Angel	Antenna Gain	Angel	Antenna Gain	Angel	Antenna Gain
0	-5.62	120	-13.69	240	-9.71
10	-5.06	130	-12.87	250	-3.90
20	-8.60	140	-12.96	260	-1.87
30	-10.95	150	-16.05	270	-2.91
40	-8.84	160	-14.56	280	-1.22
50	-15.06	170	-6.07	290	-5.79
60	-16.11	180	-2.24	300	-5.79
70	-6.83	190	-1.44	310	-11.77
80	-5.20	200	-7.63	320	-11.07
90	-5.64	210	-10.37	330	-16.94
100	-6.88	220	-9.91	340	-21.42
110	-8.64	230	-16.06	350	-7.37



Mode:Transmit2440MHz (Z Axis)- Horizontal					
Angel	Antenna Gain	Angel	Antenna Gain	Angel	Antenna Gain
0	-5.48	120	-4.09	240	-6.30
10	-7.76	130	-4.88	250	-4.62
20	-12.12	140	-15.24	260	-7.72
30	-10.98	150	-9.19	270	-8.31
40	-11.26	160	-6.95	280	-9.82
50	-10.71	170	-10.77	290	-9.79
60	-15.54	180	-13.64	300	-10.94
70	-20.46	190	-13.13	310	-13.39
80	-11.29	200	-13.12	320	-12.94
90	-6.84	210	-7.31	330	-8.91
100	-6.91	220	-4.72	340	-4.42
110	-6.05	230	-7.86	350	-5.56



Mode:Transmit2440MHz (Z Axis)-Vertical					
Angel	Antenna Gain	Angel	Antenna Gain	Angel	Antenna Gain
0	-10.93	120	-9.97	240	-5.28
10	-15.97	130	-4.66	250	-9.50
20	-6.79	140	-1.99	260	-8.34
30	-3.53	150	-2.66	270	-19.31
40	-1.38	160	-1.71	280	-9.77
50	1.49	170	-0.91	290	-12.94
60	0.44	180	-4.04	300	-14.74
70	-1.05	190	-14.31	310	-6.96
80	0.39	200	-4.18	320	-3.97
90	-5.75	210	-2.71	330	-2.43
100	-2.46	220	-4.65	340	-6.26
110	-6.99	230	-4.84	350	-5.07



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