

Application Note AN_Nano Dongle

2.4 GHz Antenna Radiation Pattern (Test in ADT)



Document Title

Application Note AN_A8000-12 nano dongle VER 01-2(A7105 COB)

Revision History

<u>Rev.</u> 0.0	<u>History</u> Initial issue	<u>Issue Date</u> January, 2009	<u>Remark</u> Preliminary



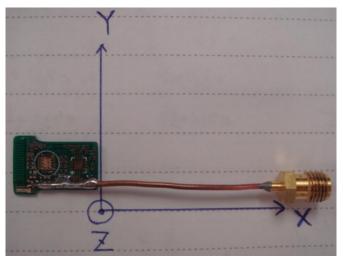
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1. A8000-12 nano dongle VER 01-2(A7105 COB)

1.1 A8000-12 nano dongle VER 01-2(A7105 COB)Antenna Picture



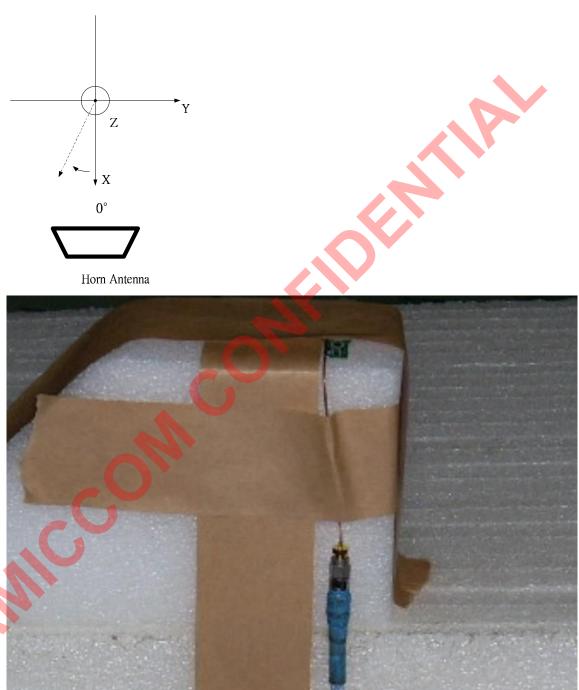
1.2 Antenna S11





1.3 Antenna Pattern (2-D)

1.3.1 XY plane





XY plane, Horizontal



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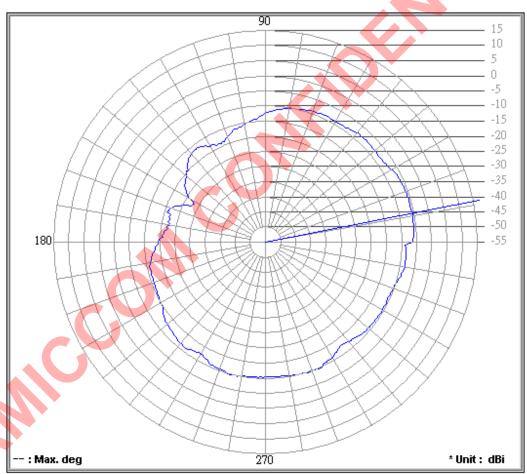
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Brand / Model : NAMO DONGLE(10mil)

Remark: X-Y Plan Sample No. Tested by: Nick

Time: 上午 10:38:37 Location: RF Chamer E Date: 2009/8/11

Temperature (℃): 27 Humidity (%): 67 Approved by:



Average Value (dBi): -10.64 Frequency (MHz): 2440.00 Antenna Polarity: Horizontal

Maximum Value (dBi): -5.53 Maximum Value (degree): 11

Minimum Value (dBi): -28.37 Minimum Value (degree): 152

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V6.2



XY plane, Vertical



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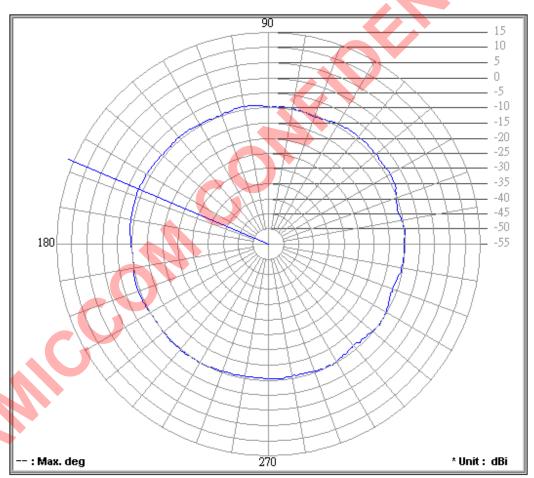
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Brand / Model: NAMO DONGLE(10mil)

Remark: X-Y Plan Sample No. Tested by: Nick

Location: RF Charmer E Date: 2009/8/11 Time: 上午10:35:49

Temperature (°C): 27 Humidity (%): 67 Approved by:



Frequency (MHz): 2440.00 Antenna Polarity: Vertical Average Value (dBi): -9.64

Maximum Value (dBi): -8.36 Maximum Value (degree): 157

Minimum Value (dBi): -11.62 Minimum Value (degree): 338

V6.2

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1.3.2 YZ plane





YZ plane, Horizontal



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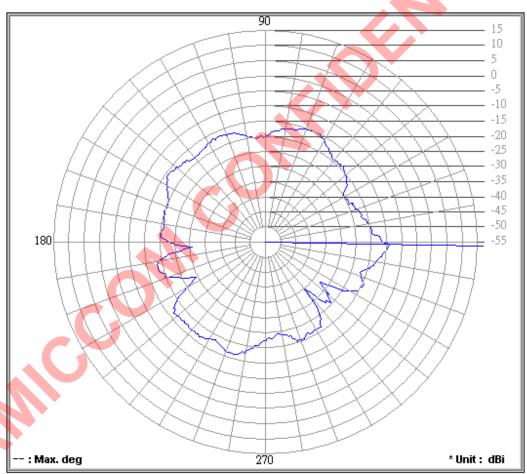
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Brand / Model : NAMO DONGLE(10mil)

Remark : X-Y Plan Sample No. Tested by : Nick

Location: RF Charner E Date: 2009/8/11 Time: 上午 10:42:34

Temperature (°C): 27 Humidity (%): 67 Approved by:



Frequency (MHz): 2440.00 Antenna Polarity: Horizontal Average Value (dBi): -19.09

Maximum Value (dBi): -13.79 Maximum Value (degree): 359

Minimum Value (dBi): -35.25 Minimum Value (degree): 310

V6.2

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YZ plane, Vertical



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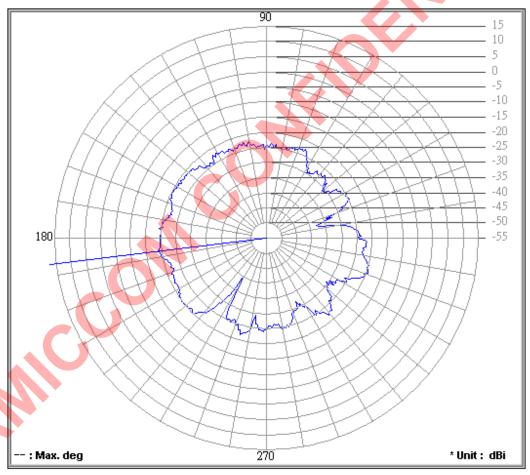
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Brand / Model: NAMO DONGLE(10mil)

Remark : YZ Plan Sample No. Tested by : Nick

Location: RF Charmer E Date: 2009/8/11 Time: 上午10:45:13

Temperature (°C): 27 Humidity (%): 67 Approved by:



Frequency (MHz): 2440.00 Antenna Polarity: Vertical Average Value (dBi): -23.44

Maximum Value (dBi): -18.96 Maximum Value (degree): 187

Minimum Value (dBi): -39.43 Minimum Value (degree): 239

V6.2

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1.3.3 XZ plane





XZ plane, Horizontal



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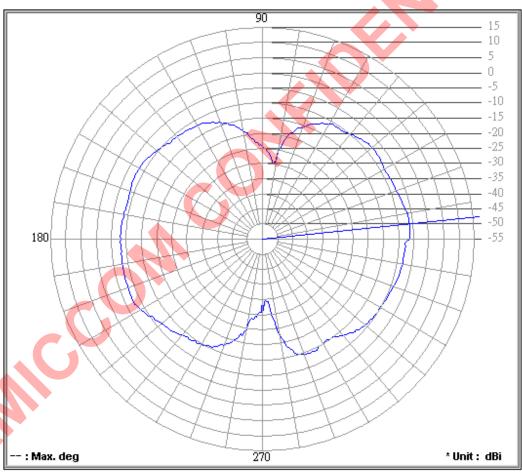
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Brand / Model : NAMO DONGLE(10mil)

Remark : X-Z Plan Sample No. Tested by : Nick

Location: RF Chamer E Date: 2009/8/11 Time: 上午 11:19:07

Temperature (°C): 27 Humidity (%): 67 Approved by:



Frequency (MHz): 2440.00 Antenna Polarity: Horizontal Average Value (dBi): -10.42

Maximum Value (dBi): -6.03 Maximum Value (degree): 6

Minimum Value (dBi): -35.24 Minimum Value (degree): 270

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V6.2



XZ plane, Vertical



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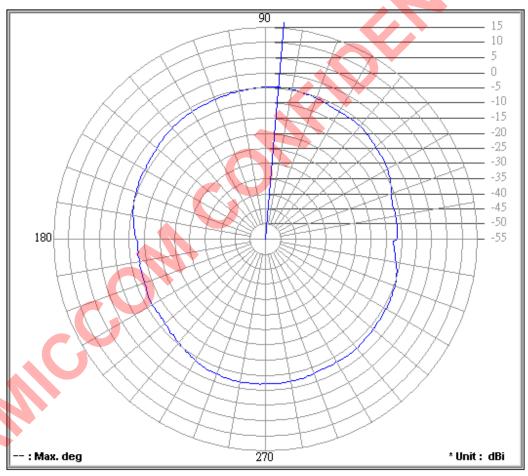
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Brand / Model : NAMO DONGLE(10mil)

Remark : X-Z Plan Sample No. Tested by : Nick

Location: RF Charner E Date: 2009/8/11 Time: 上午11:21:49

Temperature (°C): 27 Humidity (%): 67 Approved by:



Frequency (MHz): 2440.00 Antenna Polarity: Vertical Average Value (dBi): -8.06

Maximum Value (dBi): -4.52 Maximum Value (degree): 85

Minimum Value (dBi): -12.82 Minimum Value (degree): 191

V6.2

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