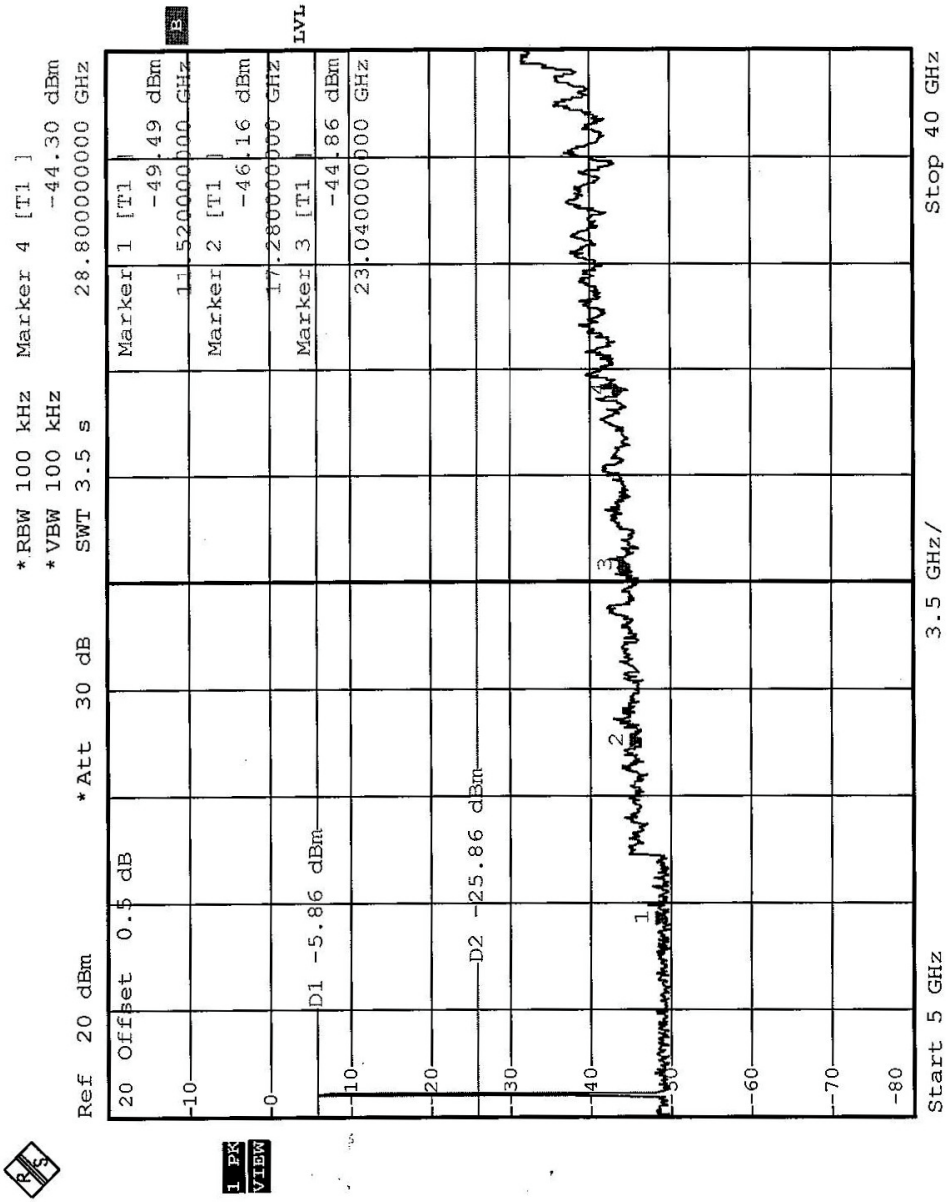
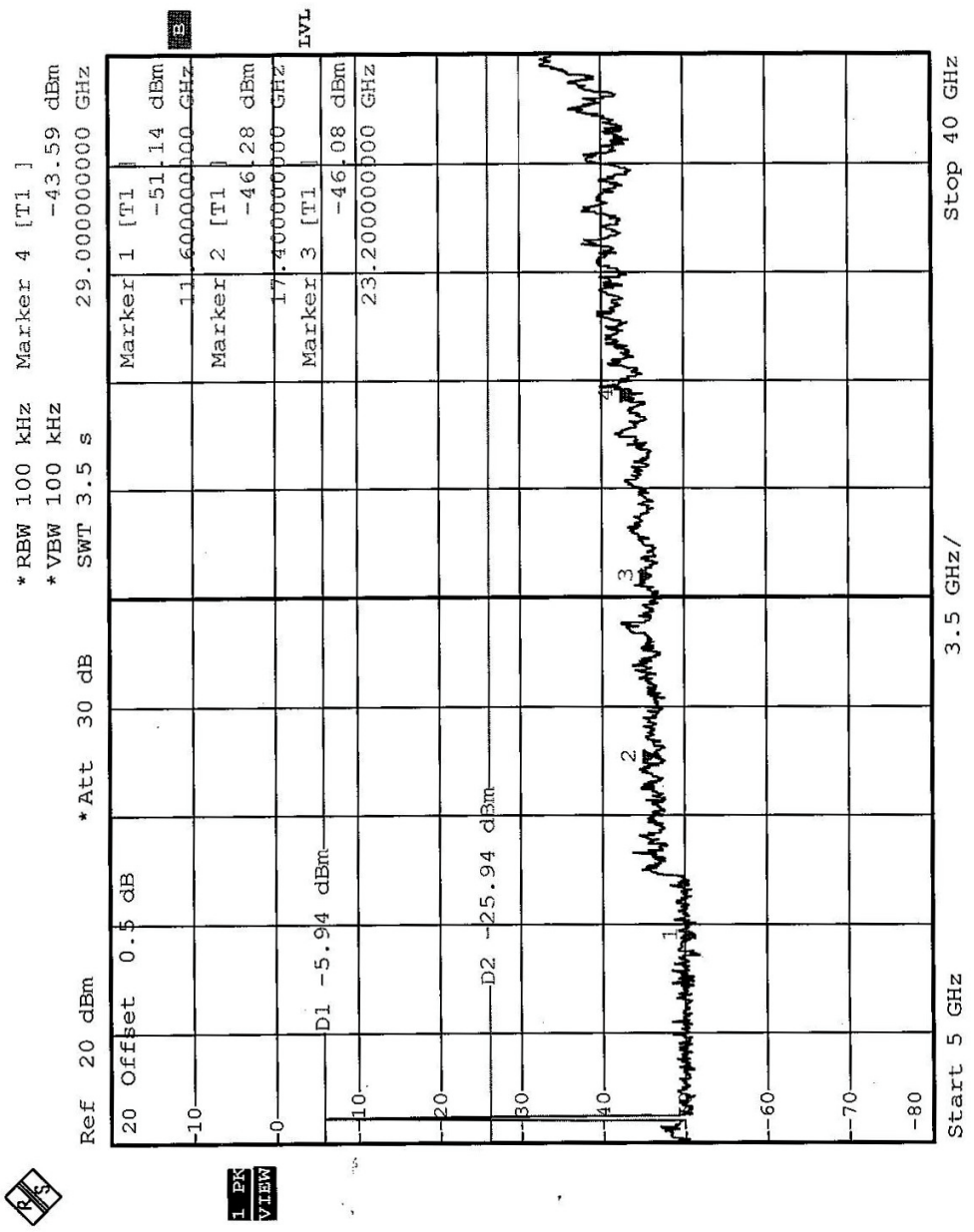




Turbo CH 1



Turbo CH 2





**5.7 ANTENNA REQUIREMENT**

**5.7.1 STANDARD APPLICABLE**

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247(a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

**5.7.2 ANTENNA CONNECTED CONSTRUCTION**

The antennas used in this product are as following:

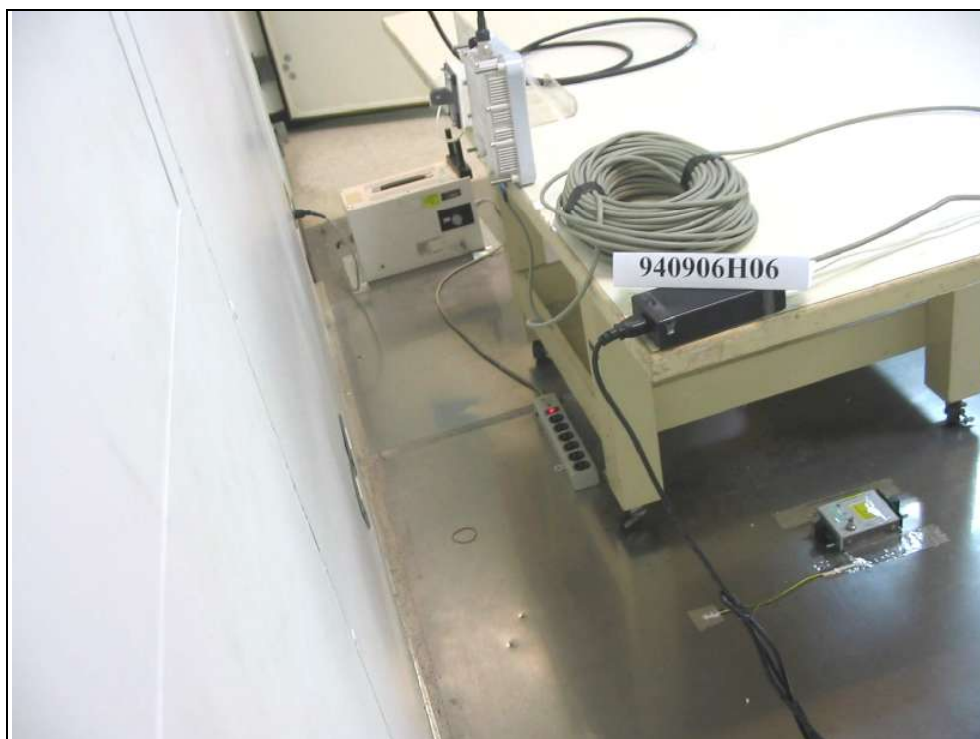
| No. | Model No. | Gain (dBi) | Cable Loss (dB) | Antenna Type                                | Antenna Connector |
|-----|-----------|------------|-----------------|---|-------------------|
| 1   | AP-ANT-86 | 9.0dBi     | 1.36dB          | Omnidirectional (Dipole)                    | N-type            |
| 2   | AP-ANT-87 | 7.0dBi     |                 | Wide-Angle (H-Plane)60° Patch               |                   |
| 3   | AP-ANT-88 | 10.0dBi    |                 | 120° Sector, typical with 36" cable         |                   |
| 4   | AP-ANT-89 | 14.0dBi    |                 | Wide-Angle, High Gain, Directional Panel,   |                   |
| 5   | ANT05535  | 17.0dBi    | NA              | Directional, Patch Panel (Internal Antenna) | Probe Pin         |

## 6. PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST (For 2.4GHz)

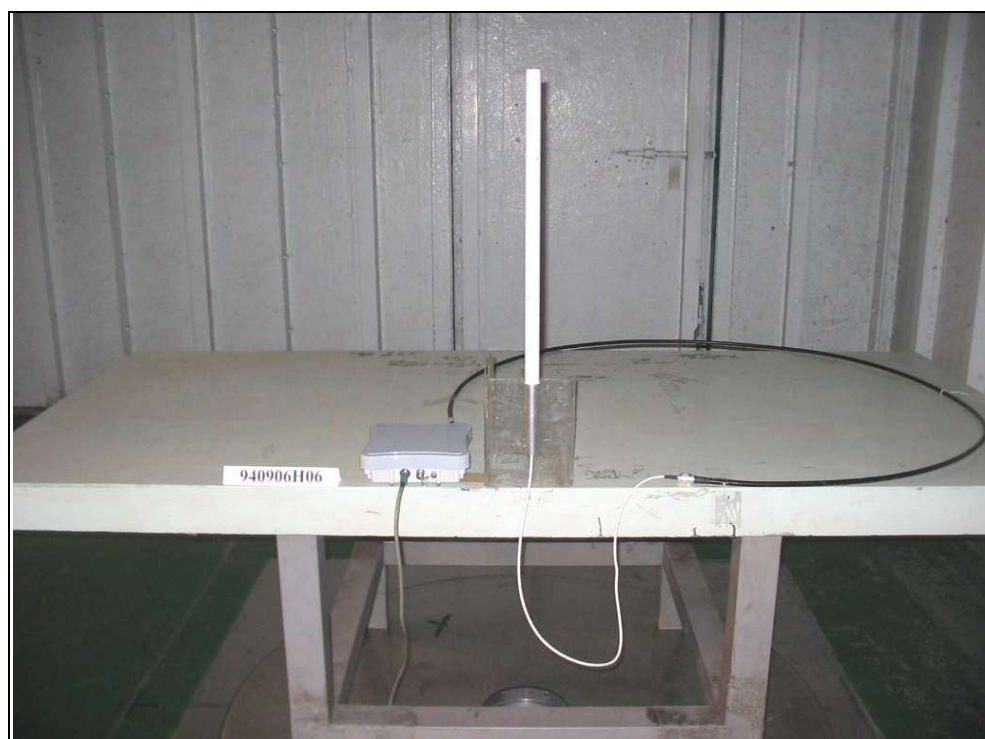


CONDUCTED EMISSION TEST (For 5GHz)

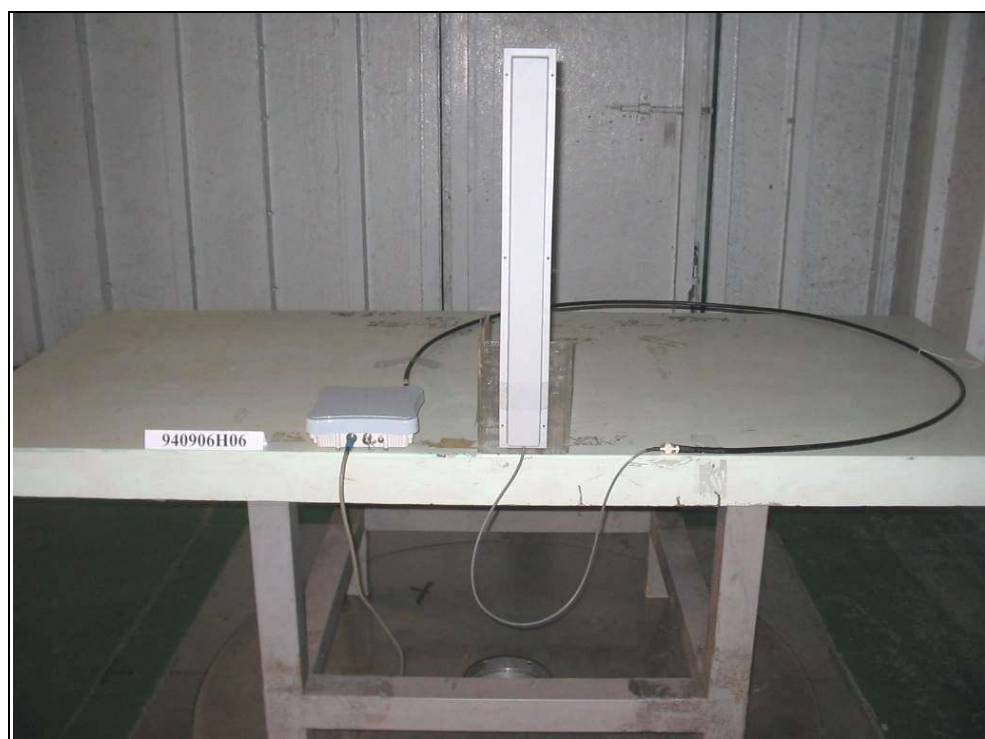




RADIATED EMISSION TEST (Antenna: AP-ANT-80)



RADIATED EMISSION TEST (Antenna: AP-ANT-82)



RADIATED EMISSION TEST (Antenna: AP-ANT-84)





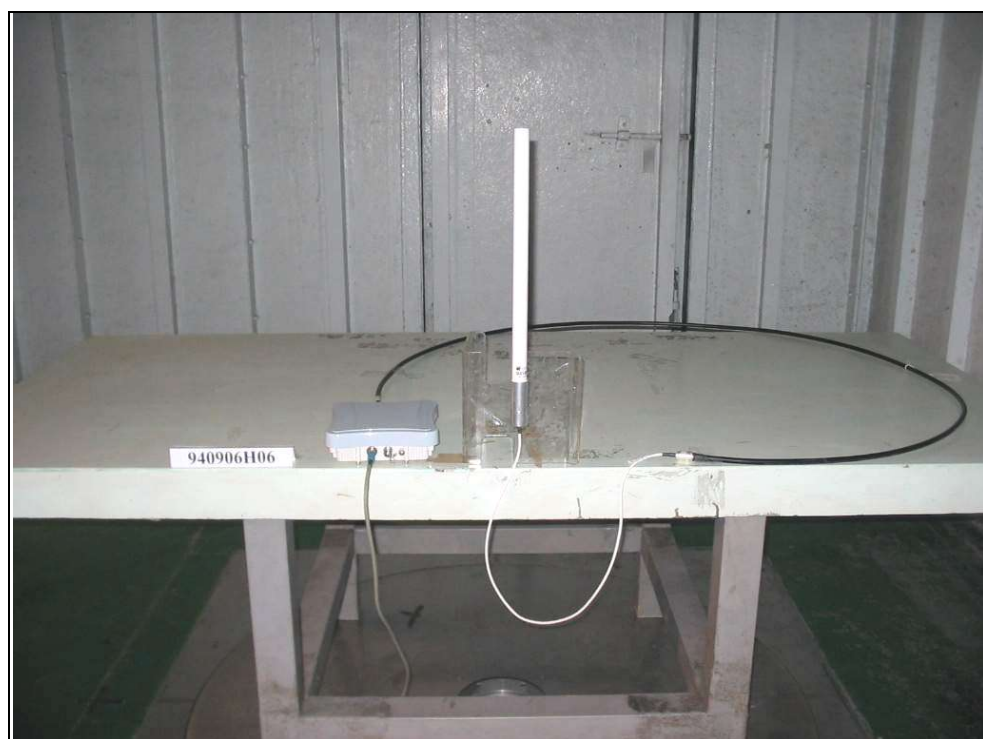
RADIATED EMISSION TEST (Antenna: AP-ANT-85)



RADIATED EMISSION TEST (Antenna: AP-ANT-87)



RADIATED EMISSION TEST (Antenna: AP-ANT-86)





RADIATED EMISSION TEST (Antenna: AP-ANT-88)



RADIATED EMISSION TEST (Antenna: AP-ANT-89)





RADIATED EMISSION TEST (Antenna: ANT05535)





## 7. INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

|                    |                       |
|--------------------|-----------------------|
| <b>USA</b>         | FCC, NVLAP, UL, A2LA  |
| <b>Germany</b>     | TUV Rheinland         |
| <b>Japan</b>       | VCCI                  |
| <b>Norway</b>      | NEMKO                 |
| <b>Canada</b>      | INDUSTRY CANADA , CSA |
| <b>R.O.C.</b>      | CNLA, BSMI, DGT       |
| <b>Netherlands</b> | Telefication          |
| <b>Singapore</b>   | PSB , GOST-ASIA(MOU)  |
| <b>Russia</b>      | CERTIS(MOU)           |

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site:

[www.adt.com.tw/index.5/phtml](http://www.adt.com.tw/index.5/phtml). If you have any comments, please feel free to contact us at the following:

**Linko EMC/RF Lab:**

Tel: 886-2-26052180

Fax: 886-2-26052943

**Hsin Chu EMC/RF Lab:**

Tel: 886-3-5935343

Fax: 886-3-5935342

**Hwa Ya EMC/RF/Safety Telecom Lab:**

Tel: 886-3-3183232

Fax: 886-3-3185050

**Web Site:** [www.adt.com.tw](http://www.adt.com.tw)

The address and road map of all our labs can be found in our web site also



## **APPENDIX-A**

### **MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB**

No any modifications are made to the EUT by the lab during the test.