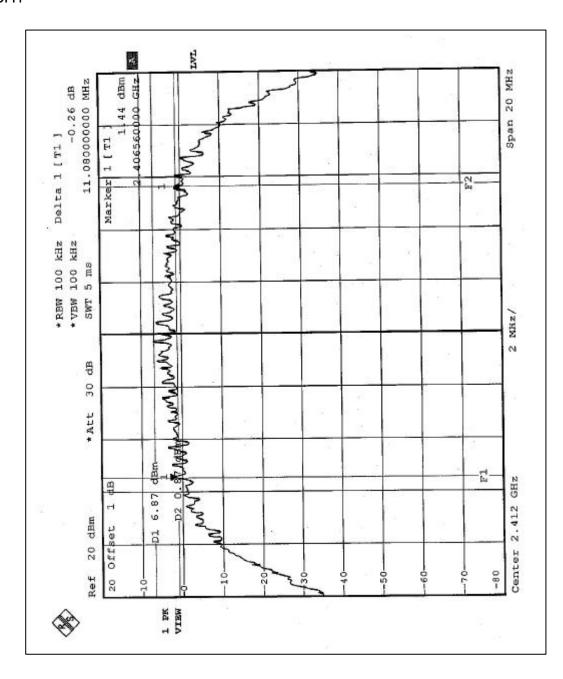


4.3.6 TEST RESULTS-DSSS

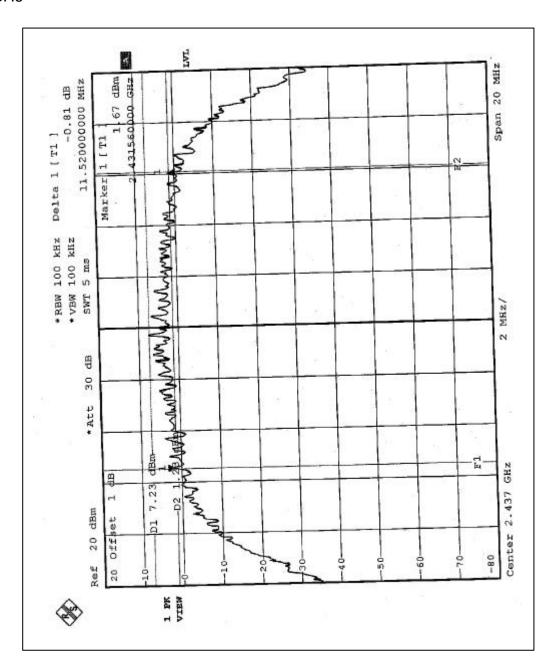
| EUT | OfficeConnect Wireless 11g Access Point | MODEL | 3CRWE454G72 |
|----------------------|---|--------------------------|-------------------------------|
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | ENVIRONMENTAL CONDITIONS | 27 deg. C, 56 %RH, 964 hPa |
| TESTED BY | Tony Chen | | |

| CHANNEL | CHANNEL FREQUENCY (MHz) | 6 dB BANDWIDTH (MHz) | MINIMUM LIMIT (MHz) | PASS/FAIL |
|---------|-------------------------------|-------------------------|---------------------------|-----------|
| 1 | 2412 | 11.08 | 0.5 | PASS |
| 6 | 2437 | 11.52 | 0.5 | PASS |
| 11 | 2462 | 11.48 | 0.5 | PASS |

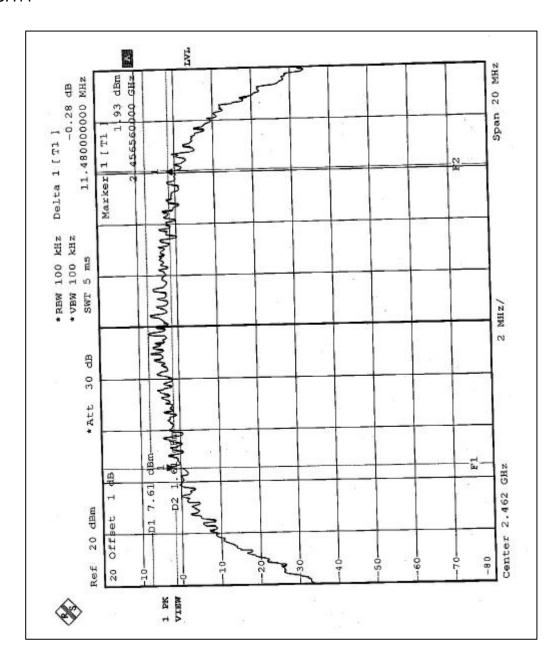












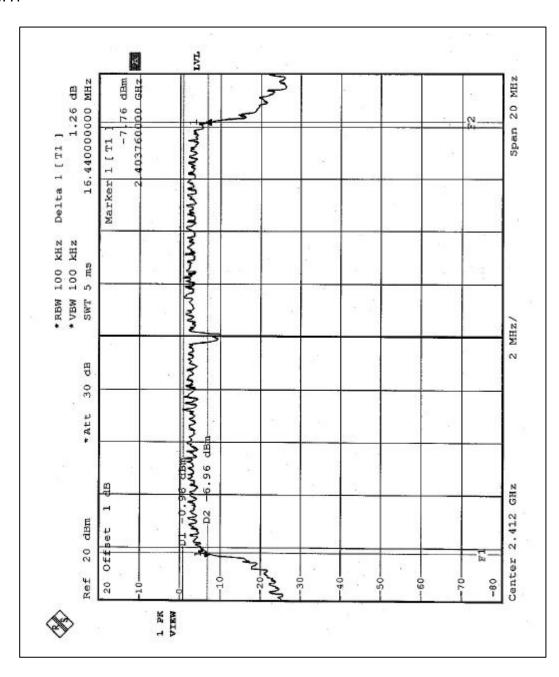


4.3.7 TEST RESULTS-OFDM

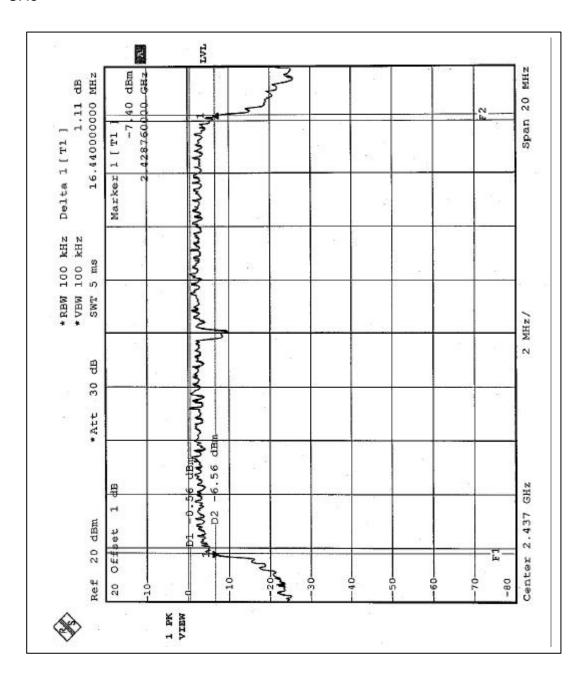
| EUT | OfficeConnect Wireless 11g Access Point | MODEL | 3CRWE454G72 |
|----------------------|---|---------------|--------------------|
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | ENVIRONMENTAL | 27 deg. C, 56 %RH, |
| (STSTEINI) | | CONDITIONS | 964 hPa |
| TESTED BY | Tony Chen | | |

| CHANNEL | CHANNEL FREQUENCY (MHz) | 6 dB BANDWIDTH (MHz) | MINIMUM LIMIT (MHz) | PASS/FAIL |
|---------|-------------------------------|-------------------------|---------------------------|-----------|
| 1 | 2412 | 16.44 | 0.5 | PASS |
| 6 | 2437 | 16.44 | 0.5 | PASS |
| 11 | 2462 | 16.44 | 0.5 | PASS |

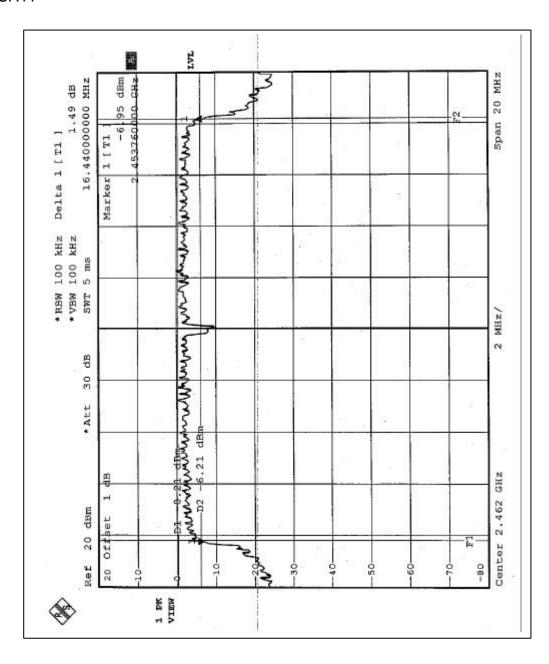














4.4 MAXIMUM PEAK OUTPUT POWER

4.4.1 LIMITS OF MAXIMUM PEAK OUTPUT POWER MEASUREMENT

The Maximum Peak Output Power Measurement is 30dBm.

4.4.2 TEST INSTRUMENTS

| Description & Manufacturer | Model No. | Serial No. | Calibrated Until |
|----------------------------|-----------|------------|------------------|
| R&S SPECTRUM ANALYZER | FSEK30 | 100049 | Jul. 24, 2003 |
| R&S SIGNAL GENERATOR | SMP04 | 100011 | May 28, 2004 |
| TEKTRONIX OSCILLOSCOPE | TDS 220 | B048470 | Mar. 05, 2004 |
| NARDA DETECTOR | 4503A | FSCM99899 | NA |

NOTE:

The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.



4.4.3 TEST PROCEDURES

- 1. A detector was used on the output port of the EUT. An oscilloscope was used to read the response of the detector.
- 2. Replaced the EUT by the signal generator. The center frequency of the S.G was adjusted to the center frequency of the measured channel.
- 3. Adjusted the power to have the same reading on oscilloscope. Record the power level.

4.4.4 TEST SETUP



4.4.5 EUT OPERATING CONDITIONS

Same as Item 4.3.5



4.4.6 TEST RESULTS-DSSS

| EUT | OfficeConnect Wireless 11g Access Point | MODEL | 3CRWE454G72 |
|----------------------|--|--------------------------|-------------------------------|
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | ENVIRONMENTAL CONDITIONS | 27 deg. C, 56 %RH, 964 hPa |
| TESTED BY | Tony Chen | | |

| CHANNEL | CHANNEL FREQUENCY (MHz) | PEAK POWER OUTPUT (dBm) | PEAK POWER LIMIT (dBm) | PASS/FAIL |
|---------|-------------------------------|-------------------------------|------------------------------|-----------|
| 1 | 2412 | 17.74 | 30 | PASS |
| 6 | 2437 | 17.86 | 30 | PASS |
| 11 | 2462 | 18.04 | 30 | PASS |

4.4.7 TEST RESULTS-OFDM

| EUT | OfficeConnect Wireless 11g Access Point | MODEL | 3CRWE454G72 |
|----------------------|--|--------------------------|-------------------------------|
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | ENVIRONMENTAL CONDITIONS | 27 deg. C, 56 %RH, 964 hPa |
| TESTED BY | Tony Chen | | |

| CHANNEL | CHANNEL FREQUENCY (MHz) | PEAK POWER OUTPUT (dBm) | PEAK POWER LIMIT (dBm) | PASS/FAIL |
|---------|-------------------------------|-------------------------------|------------------------------|-----------|
| 1 | 2412 | 17.44 | 30 | PASS |
| 6 | 2437 | 17.74 | 30 | PASS |
| 11 | 2462 | 17.80 | 30 | PASS |



4.5 POWER SPECTRAL DENSITY MEASUREMENT

4.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm.

4.5.2 TEST INSTRUMENTS

| Description & Manufacturer | Model No. | Serial No. | Calibrated Until |
|----------------------------|-----------|--------------|------------------|
| R&S SPECTRUM ANALYZER | FSP | 1093.4495.30 | Dec. 19, 2003 |

NOTE:

- 1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
- 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

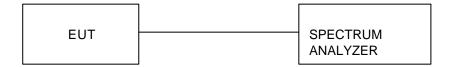


4.5.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator, the bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3 kHz RBW and 30 kHz VBW, set sweep time=span/3kHz. The power spectral density was measured and recorded.

The sweep time is allowed to be longer than span/3KHz for a full response of the mixer in the spectrum analyzer.

4.5.4 TEST SETUP



4.5.5 EUT OPERATING CONDITIONS

Same as 4.3.5



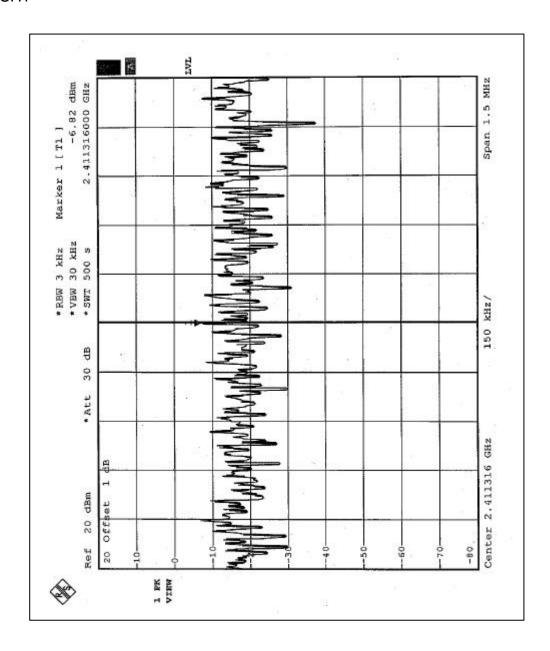
Issued: Jun. 27, 2003

4.5.6 TEST RESULTS-DSSS

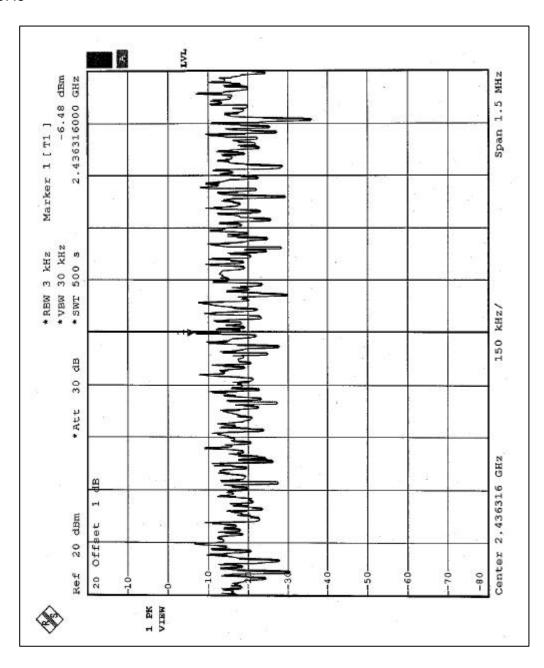
| EUT | OfficeConnect Wireless 11g Access Point | MODEL | 3CRWE454G72 |
|----------------------|--|--------------------------|-------------------------------|
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | ENVIRONMENTAL CONDITIONS | 27 deg. C, 56 %RH, 964 hPa |
| TESTED BY | Tony Chen | | |

| CHANNEL NUMBER | CHANNEL FREQUENCY (MHz) | RF POWER LEVEL IN 3 KHz BW (dBm) | MAXIMUM LIMIT (dBm) | PASS/FAIL |
|-------------------|--------------------------------|--|---------------------------|-----------|
| 1 | 2412 | -6.82 | 8 | PASS |
| 6 | 2437 | -6.48 | 8 | PASS |
| 11 | 2462 | -6.16 | 8 | PASS |

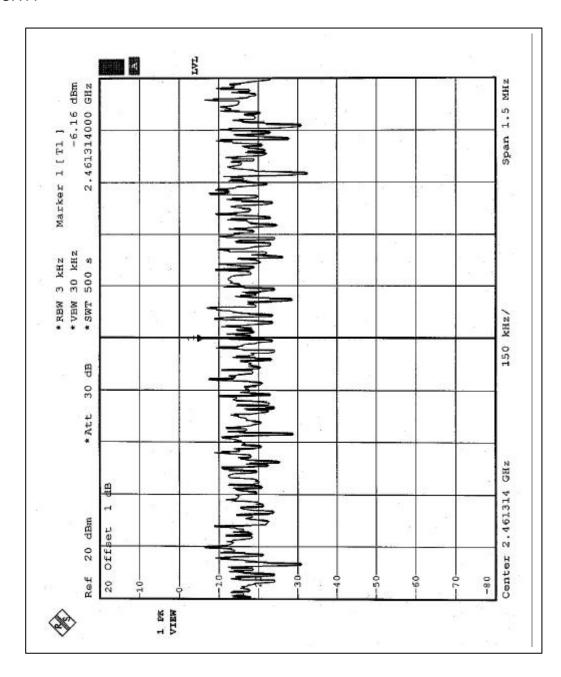














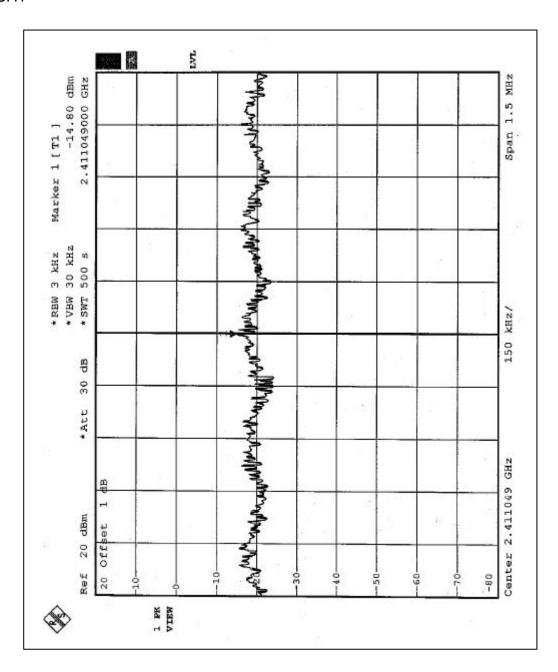
Issued: Jun. 27, 2003

4.5.7 TEST RESULTS-OFDM

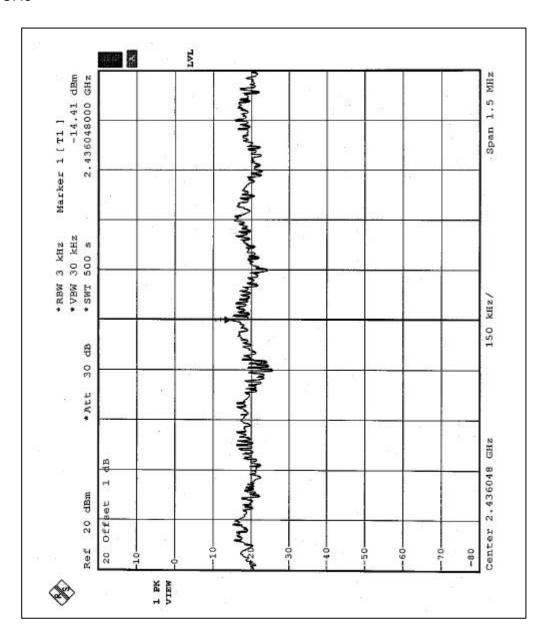
| EUT | OfficeConnect Wireless 11g Access Point | MODEL | 3CRWE454G72 |
|----------------------|---|--------------------------|-------------------------------|
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | ENVIRONMENTAL CONDITIONS | 27 deg. C, 56 %RH, 964 hPa |
| TESTED BY | Tony Chen | | |

| CHANNEL NUMBER | CHANNEL FREQUENCY (MHz) | RF POWER LEVEL IN 3 KHz BW (dBm) | MAXIMUM LIMIT (dBm) | PASS/FAIL |
|-------------------|--------------------------------|--|---------------------------|-----------|
| 1 | 2412 | -14.80 | 8 | PASS |
| 6 | 2437 | -14.41 | 8 | PASS |
| 11 | 2462 | -14.41 | 8 | PASS |

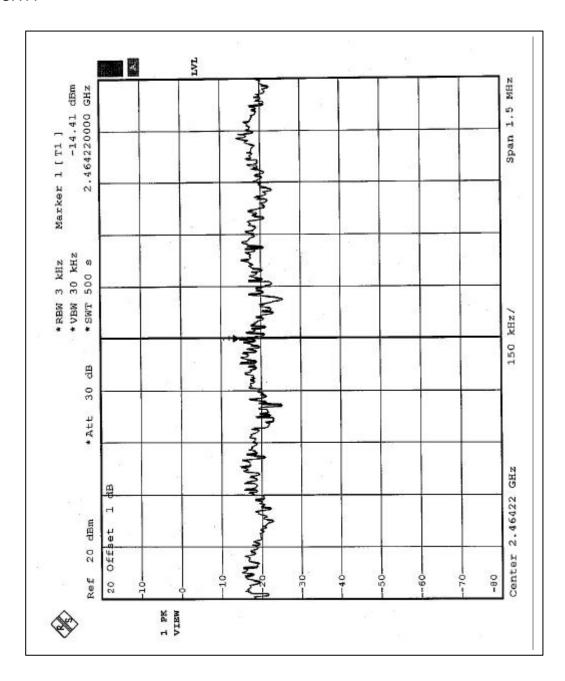














4.6 BAND EDGES MEASUREMENT

4.6.1 LIMITS OF BAND EDGES MEASUREMENT

Below –20dB of the highest emission level of operating band (in 100KHz Resolution Bandwidth).

4.6.2 TEST INSTRUMENTS

| Description & Manufacturer | Model No. | Serial No. | Calibrated Until |
|----------------------------|-----------|--------------|------------------|
| R&S SPECTRUM ANALYZER | FSP | 1093.4495.30 | Dec. 19, 2003 |

NOTE:

- 1.The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
- 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.6.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low lose cable. Set both RBW and VBW of spectrum analyzer to 100 kHz with suitable frequency span including 100 kHz bandwidth from band edge. The band edges was measured and recorded.

4.6.4 EUT OPERATING CONDITION

Same as Item 4.3.5



4.6.5 TEST RESULTS - DSSS

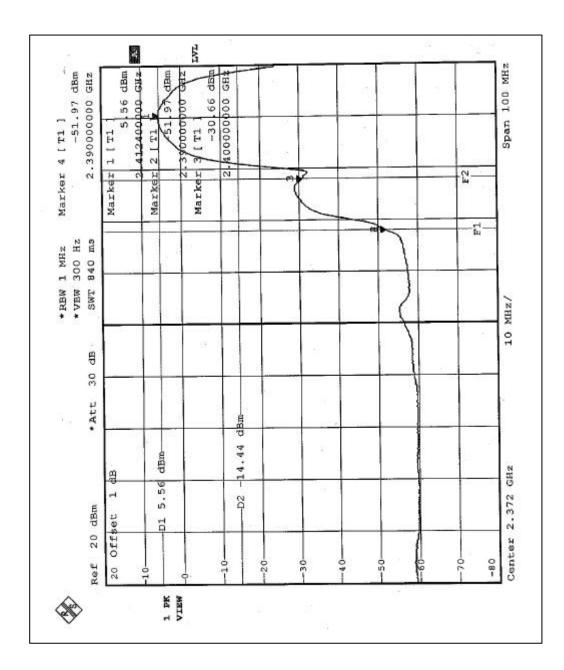
The spectrum plots are attached on the following 2 pages. D1 line indicates the highest level, D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(C).

NOTE (1): The band edge emission plot on the following first page shows 57.53dB delta between carrier maximum power and local maximum emission in restrict band (2.390GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2 is 103.7dBuV/m, so the maximum field strength in restrict band is 103.7-57.53=46.17dBuV/m which is under 54 dBuV/m limit.

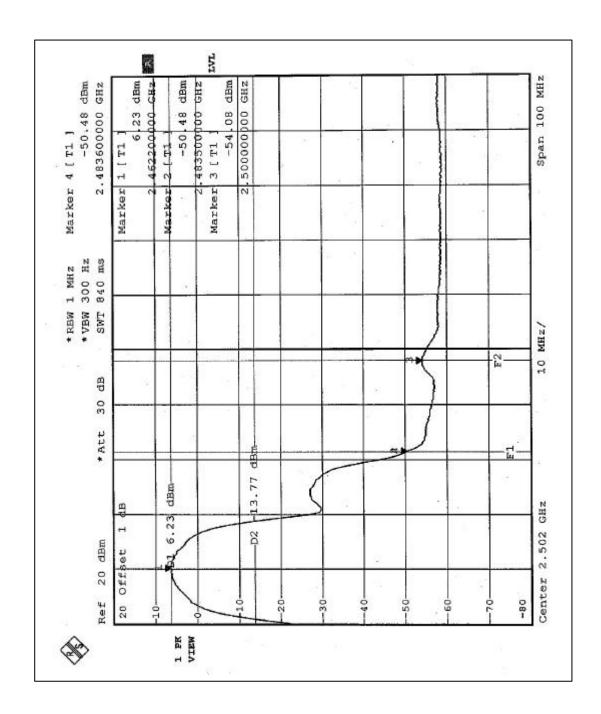
NOTE (2): The band edge emission plot on the following second page shows 56.71 dB delta between carrier maximum power and local maximum emission in restrict band (2.4835GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2 is 104.1dBuV/m, so the maximum field strength in restrict band is 104.1-56.71=47.39dBuV/m which is under 54 dBuV/m limit.

FCC ID: HED3CRWE454G72











4.6.6 TEST RESULTS-OFDM

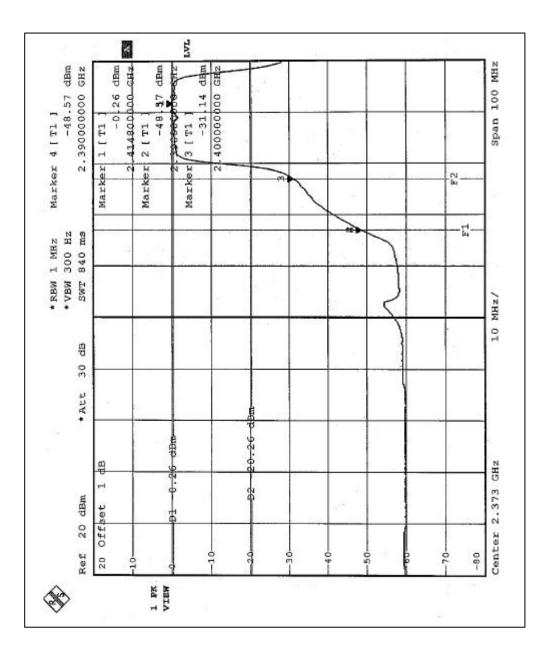
The spectrum plots are attached on the following 2 pages. D1 line indicates the highest level, D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(C).

NOTE (1): The band edge emission plot on the following first page shows 48.31dB delta between carrier maximum power and local maximum emission in restrict band (2.390GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2 is 100.1dBuV/m, so the maximum field strength in restrict band is 100.1-48.31=51.79dBuV/m which is under 54 dBuV/m limit.

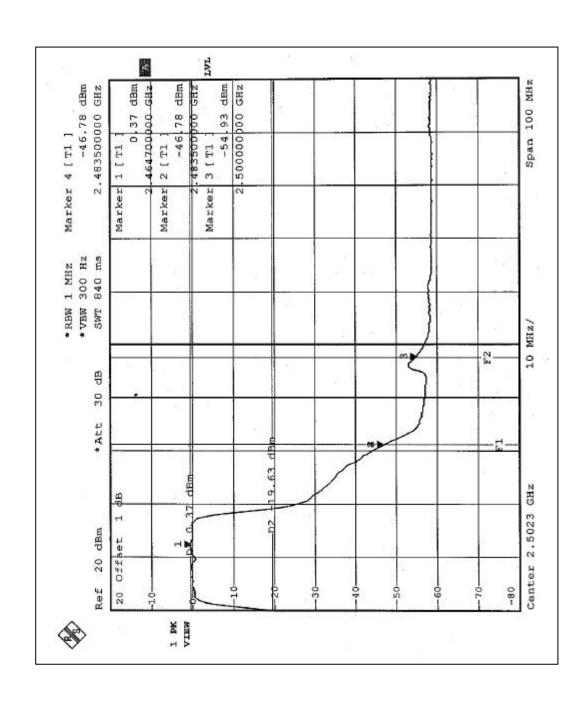
NOTE (2): The band edge emission plot on the following second page shows 47.15dB delta between carrier maximum power and local maximum emission in restrict band (2.4835GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2 is 100.4dBuV/m, so the maximum field strength in restrict band is 100.4-47.15=53.25dBuV/m which is under 54 dBuV/m limit.

FCC ID: HED3CRWE454G72











4.7 ANTENNA REQUIREMENT

4.7.1 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 (b), 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.

4.7.2 ANTENNA CONNECTED CONSTRUCTION

The antenna type used in this product is Integral Dipole antenna without connector. And the maximum Gain of this antenna is only 1.8dBi.



5 PHOTOGRAPHS OF THE TEST CONFIGURATION

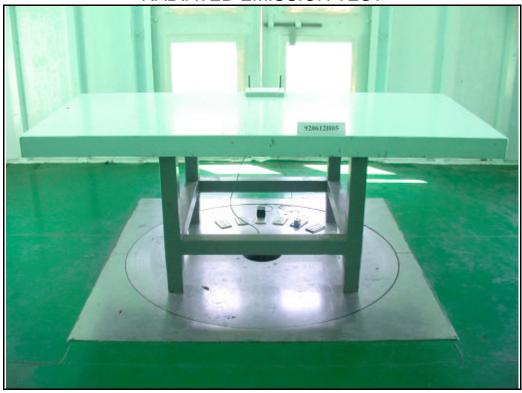
CONDUCTED EMISSION TEST







RADIATED EMISSION TEST







6 INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC and Safety consultation. Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025, Guide 25 or EN 45001:

USA FCC, NVLAP, UL TUV Rheinland

Japan VCCI
New Zealand MoC
Norway NEMKO

Canada INDUSTRY CANADA

R.O.C. CNLA, BSMI

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.

If you have any comments, please feel free to contact us at the following:

Lin Kou EMC Lab:Hsin Chu EMC Lab:Tel: 886-2-26052180Tel: 886-35-935343Fax: 886-2-26052943Fax: 886-35-935342

Lin Kou Safety Lab: Lin Kou RF&Telecom Lab

Tel: 886-2-26093195 Tel: 886-3-3270910 Fax: 886-2-26093184 Fax: 886-3-3270892

Email: service@adt.com.tw
Web Site: www.adt.com.tw

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