

DRAFT 802.11n (40MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL		
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)	
ENVIRONMENTAL CONDITIONS	30deg. C, 55%RH 960hPa	TESTED BY	Wen Yu	

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	64.36 PK	74.00	-9.64	1.52 H	177	34.08	30.28
2	2390.00	51.26 AV	54.00	-2.74	1.52 H	177	20.98	30.28
3	*2422.00	110.43 PK			1.50 H	278	80.03	30.40
4	*2422.00	98.65 AV			1.50 H	278	68.25	30.40
5	4844.00	54.45 PK	74.00	-19.55	1.26 H	45	17.61	36.84
6	4844.00	41.26 AV	54.00	-12.74	1.26 H	45	4.42	36.84
		ANTENNA	POLARIT	Y & TEST DI	STANCE: V	ERTICAL A	T 3 M	
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2389.00	57.97 PK	74.00	-16.03	1.29 V	167	27.69	30.28
2	2389.00	45.99 AV	54.00	-8.01	1.29 V	167	15.71	30.28
3	*2422.00	101.40 PK			1.29 V	167	71.00	30.40
4	*2422.00	90.60 AV			1.29 V	167	60.20	30.40
5	4844 00	52 57 PK	74.00	-21.43	1.44 V	355	15.73	36.84
_		02:0: : : :						

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.



EUT TEST CONDITION		MEASUREMENT DETAIL		
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)	
ENVIRONMENTAL CONDITIONS	30deg. C, 55%RH 960hPa	TESTED BY	Wen Yu	

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	112.05 PK			1.48 H	282	81.59	30.46
2	*2437.00	100.83 AV			1.48 H	282	70.37	30.46
3	4874.00	54.62 PK	74.00	-19.38	1.21 H	41	17.70	36.92
4	4874.00	41.36 AV	54.00	-12.64	1.21 H	41	4.44	36.92
5	7311.00	52.83 PK	74.00	-21.17	1.02 H	32	9.69	43.14
6	7311.00	39.03 AV	54.00	-14.97	1.02 H	32	-4.11	43.14
		ANTENNA	POLARIT	Y & TEST DI	STANCE: V	ERTICAL A	T 3 M	
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	103.34 PK			1.28 V	167	72.88	30.46
2	*2437.00	92.30 AV			1.28 V	167	61.84	30.46
3	4874.00	52.60 PK	74.00	-21.40	1.00 V	356	15.68	36.92
4	4874.00	39.21 AV	54.00	-14.79	1.00 V	356	2.29	36.92
5	7311.00	52.63 PK	74.00	-21.37	1.16 V	311	9.49	43.14
	7044.00	20.47.41/	E4 00	15 02	1.16.1/	211	4.07	12 14

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.



EUT TEST CONDITION		MEASUREMENT DETAIL		
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)	
ENVIRONMENTAL CONDITIONS	30deg. C, 55%RH 960hPa	TESTED BY	Wen Yu	

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	Correction Factor (dB/m)
1	*2452.00	111.69 PK			1.51 H	269	81.18	30.51
2	*2452.00	97.38 AV			1.51 H	269	66.87	30.51
3	2483.50	71.90 PK	74.00	-2.10	1.51 H	288	41.27	30.63
4	2483.50	51.46 AV	54.00	-2.54	1.51 H	288	20.83	30.63
5	4904.00	54.58 PK	74.00	-19.42	1.30 H	35	17.58	37.00
6	4904.00	41.36 AV	54.00	-12.64	1.30 H	35	4.36	37.00
7	7356.00	52.81 PK	74.00	-21.19	1.00 H	32	9.68	43.13
8	7356.00	38.92 AV	54.00	-15.08	1.00 H	32	-4.21	43.13
		ANTENNA	A POLARITY	Y & TEST DI	STANCE: V	ERTICAL A	T 3 M	
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	Correction Factor (dB/m)
1	*2452.00	101.80 PK			1.29 V	166	71.29	30.51
2	*2452.00	91.10 AV			1.29 V	166	60.59	30.51
3	2484.00	61.11 PK	74.00	-12.89	1.29 V	166	30.48	30.63
4	2484.00	46.44 AV	54.00	-7.56	1.29 V	166	15.81	30.63
5	4904.00	52.77 PK	74.00	-21.23	1.10 V	351	15.77	37.00
6	4004.00	00.40.414	F4 00	14 59	1 10 1/	351	2 4 2	37.00
-	4904.00	39.42 AV	54.00	-14.00	1.10 V	551	2.72	57.00
7	7356.00	39.42 AV 52.83 PK	54.00 74.00	-14.58	1.10 V 1.33 V	344	9.70	43.13

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.









RESTRICTED BANDEDGE (DRAFT 802.11n (40MHz) MODE, CH7, HORIZONTAL)





4.3 6dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.3.2 TEST INSTRUMENTS

DESCRIPTION &	MODEL NO.	SERIAL	CALIBRATED	CALIBRATED
MANUFACTURER		NO.	DATE	UNTIL
R&S SPECTRUM ANALYZER	FSP40	100036	Dec. 09, 2008	Dec. 08, 2009

NOTE:

1.The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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

4.3.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 100kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation



4.3.5 TEST SETUP



4.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.



4.3.7 TEST RESULTS

802.11b DSSS MODULATION:

MODULATION TYPE	DBPSK	TRANSFER RATE	1Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 963hPa
TESTED BY	Frank Liu		

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	11.629	0.5	PASS
6	2437	10.674	0.5	PASS
11	2462	10.818	0.5	PASS











802.11g OFDM MODULATION:

MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 963hPa
TESTED BY	Frank Liu		

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	16.449	0.5	PASS
6	2437	16.459	0.5	PASS
11	2462	16.445	0.5	PASS











DRAFT 802.11n (20MHz) OFDM MODULATION:

MODULATION TYPE	BPSK	TRANSFER RATE	13Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 963hPa
TESTED BY	Frank Liu		

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN(0)	CHAIN(1)		
1	2412	17.664	17.651	0.5	PASS
6	2437	17.687	17.678	0.5	PASS
11	2462	17.661	17.698	0.5	PASS

For Chain(0): CH1











For CHAIN(1): CH1











DRAFT 802.11n (40MHz) OFDM MODULATION:

MODULATION TYPE	BPSK	TRANSFER RATE	27Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 963hPa
TESTED BY	Frank Liu		

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL	
		CHAIN(0)	CHAIN(1)	,		
1	2422	35.456	35.833	0.5	PASS	
4	2437	36.434	36.440	0.5	PASS	
7	2452	36.415	36.417	0.5	PASS	

For Chain (0): CH1









For Chain (1): CH1









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 INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
R&S SPECTRUM ANALYZER	FSP40	100037	Aug. 13, 2008	Aug. 12, 2009
Agilent SIGNAL GENERATOR	E8257C	MY43320668	Dec. 26, 2007	May 07, 2009
Anritsu Power Meter	ML2495A	0824006	June 14, 2008	June 13, 2009
Pulse Power Sensor	MA2411B	0738172	April 17, 2009	April 16, 2010

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. The transmitter output was connected to the power meter through an attenuator; the bandwidth of the fundamental frequency was measured with the power meter.
- 2. Record the power level.

4.4.4 DEVIATION FROM TEST STANDARD

No deviation

4.4.5 TEST SETUP



4.4.6 EUT OPERATING CONDITIONS

Same as Item 4.3.6



4.4.3 TEST RESULTS

802.11b DSSS MODULATION:

MODULATION TYPE	DBPSK	TRANSFER RATE	1Mbps
INPUT POWER	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 96hPa
TESTED BY	Rex Huang		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS / FAIL
1	2412	134.9	21.3	30	PASS
6	2437	131.8	21.2	30	PASS
11	2462	128.8	21.1	30	PASS

802.11g OFDM MODULATION:

MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 965hPa
TESTED BY	Wen Yu		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS / FAIL
1	2412	269.2	24.3	30	PASS
6	2437	309.0	24.9	30	PASS
11	2462	295.1	24.7	30	PASS



DRAFT 802.11n (20MHz) OFDM MODULATION:

MODULATION TYPE	BPSK	TRANSFER RATE	13Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 963hPa
TESTED BY	Frank Liu		

CHANNEL CHANNEL FREQUENCY	CHANNEL FREQUENCY	PEAK POWER OUTPUT (dBm)			TOTAL PEAK POWER	PEAK POWER	PASS /
	(MHz)	CHAIN(0) CHAIN(1) POWER (mW)	(dBm)	LIMIT (dBm)	FAIL		
1	2412	25.7	25.7	743.1	28.7	30	PASS
6	2437	25.5	25.7	726.3	28.6	30	PASS
11	2462	25.41	25.5	701.6	28.5	30	PASS

DRAFT 802.11n (40MHz) OFDM MODULATION:

MODULATION TYPE	BPSK	TRANSFER RATE	27Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 963hPa
TESTED BY	Frank Liu		

CHANNEL	CHANNEL PEAK POWER OUTPUT (dBm) TOTAL PE			TOTAL PEAK POWER	PEAK POWER	PASS /	
	(MHz)	CHAIN(0)	CHAIN(1)	POWER (MW)	(dBm)) LIMIT (dBm)	FAIL
1	2422	24.6	25.9	677.4	28.3	30	PASS
4	2437	25.	26.2	805.9	29.1	30	PASS
7	2452	24.5	25.8	662.0	28.2	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 DATE	CALIBRATED UNTIL
R&S SPECTRUM ANALYZER	FSP40	100036	Dec. 09, 2008	Dec. 08, 2009

NOTE:

1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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 3kHz RBW and 30kHz 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 DEVIATION FROM TEST STANDARD

No deviation



4.5.5 TEST SETUP



4.5.6 EUT OPERATING CONDITION

Same as Item 4.1.6



4.5.7 TEST RESULTS

802.11b DSSS MODULATION:

MODULATION TYPE	DBPSK	TRANSFER RATE	1Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 963hPa
TESTED BY	Frank Liu		

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS / FAIL
1	2412	-7.4	8	PASS
6	2437	-8.0	8	PASS
11	2462	-6.1	8	PASS







802.11g OFDM MODULATION:

MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 963hPa
TESTED BY	Frank Liu		

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS / FAIL
1	2412	-11.9	8	PASS
6	2437	-11.2	8	PASS
11	2462	-11.8	8	PASS







DRAFT 802.11n (20MHz) OFDM MODULATION:

MODULATION TYPE	BPSK	TRANSFER RATE	13Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 963hPa
TESTED BY	Frank Liu		

CHANNEL	CHANNEL CHANNEL FREQUENCY		/EL IN 3kHz BW 3m)	3W TOTAL POWER TOTAL POW		W TOTAL POWER TOTAL POWER MAXIMUM LIMIT		PASS /
	(MHz)	CHAIN(0)	CHAIN(1)	DENSITY (mW)	DENSITY (aBm)	(abm)	FAIL	
1	2412	-11.5	-10.5	0.2	-7.0	8	PASS	
6	2437	-11.0	-11.2	0.2	-7.0	8	PASS	
11	2462	-11.1	-14.1	0.1	-10.	8	PASS	

For Chain(0): CH1











For Chain (1): CH1











DRAFT 802.11n (40MHz) OFDM MODULATION:

MODULATION TYPE	BPSK	TRANSFER RATE	27Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 60%RH, 963hPa
TESTED BY	Frank Liu		

CHANNEL CHANNEL FREQUENCY		RF POWER LEV (de	/EL IN 3kHz BW 3m)	TOTAL POWER TOTAL POWER MAXIMUM		PASS /	
	(MHz)	CHAIN(0)	CHAIN(1)	DENSITY (mW)	DENSITY (dBm)	LIMIT (abm)	FAIL
1	2422	-14.7	-15.4	0.1	-10.0	8	PASS
4	2437	-15.1	-13.8	0.1	-10.0	8	PASS
7	2452	-17.3	-16.3	0.04	-14.0	8	PASS

For Chain (0): CH1









For Chain (1): CH1









4.6 CONDUCTED EMISSION AND BAND EDGES MEASUREMENT

4.6.1 LIMITS OF CONDTCTED EMISSION AND 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 DATE	CALIBRATED UNTIL
R&S SPECTRUM ANALYZER	FSP40	100036	Dec. 09, 2008	Dec. 08, 2009

NOTE:

1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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 100kHz and 300kHz with suitable frequency span including 100 MHz bandwidth from band edge. The band edges was measured and recorded.

The spectrum plots (RBW = 100kHz and VBW = 300kHz) are attached on the following pages.



4.6.4 DEVIATION FROM TEST STANDARD

No deviation

4.6.5 EUT OPERATING CONDITION

Same as Item 4.1.6

4.6.6 TEST RESULTS

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



802.11b DSSS MODULATION:















802.11g OFDM MODULATION:









DRAFT 802.11n (20MHz) OFDM MODULATION:

For Chain (0):CH1











For Chain (1):CH1











DRAFT 802.11n (40MHz) OFDM MODULATION:

For Chain (0):CH1











For Chain (1):CH1









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 used in this product is Pifa antenna without Connector. The maximum Gain of the antenna is 1.5dBi.



5. INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, 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.

USA	FCC, NVLAP
Germany	TUV Rheinland
Japan	VCCI
Norway	NEMKO
Canada	INDUSTRY CANADA, CSA
R.O.C.	TAF, BSMI, NCC
Netherlands	Telefication
Singapore	GOST-ASIA(MOU)
Russia	CERTIS(MOU)

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

<u>www.adt.com.tw/index.5/phtml</u>. 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: <u>www.adt.com.tw</u>

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



6. 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.

---- END ----