

FCC TEST REPORT (PART 15)

REPORT NO.: RF951016L20

MODEL NO.: MC3574

RECEIVED: Oct. 16, 2006

TESTED: Oct. 16 ~ Nov. 13, 2006

ISSUED: Nov. 17, 2006

APPLICANT: Symbol Technologies, Inc.

ADDRESS: One Symbol Plaza Holtsville, NY United

States 11742-1300

ISSUED BY: Advance Data Technology Corporation

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R.O.C.

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Table of Contents

1.	CERTIFICATION	
2.	SUMMARY OF TEST RESULTS	5
2.1	MEASUREMENT UNCERTAINTY	5
3.	GENERAL INFORMATION	6
3.1	GENERAL DESCRIPTION OF EUT	6
3.2	DESCRIPTION OF TEST MODES	
3.2.1	CONFIGURATION OF SYSTEM UNDER TEST	8
3.2.2	TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL	
3.3	GENERAL DESCRIPTION OF APPLIED STANDARDS	
3.4	DESCRIPTION OF SUPPORT UNITS	
4.	TEST TYPES AND RESULTS	
4.1	CONDUCTED EMISSION MEASUREMENT	12
4.1.1	LIMITS OF CONDUCTED EMISSION MEASUREMENT	
4.1.2	TEST INSTRUMENTS	
4.1.3	TEST PROCEDURES.	
4.1.4	DEVIATION FROM TEST STANDARD	
4.1.5	TEST SETUP	
4.1.6	EUT OPERATING CONDITIONS	1 1
4.1.7	TEST RESULTS	
4.1.7	RADIATED EMISSION MEASUREMENT	13
4.2 4.2.1	LIMITS OF RADIATED EMISSION MEASUREMENT	
4.2.1	TEST INSTRUMENTS	
4.2.2	TEST PROCEDURES	
_	DEVIATION FROM TEST STANDARD	
4.2.4	TEST SETUP	29
4.2.5	TEST SETUP	30
4.2.6	EUT OPERATING CONDITIONS	
4.2.7	TEST RESULTS	
4.3	6dB BANDWIDTH MEASUREMENT	
4.3.1	LIMITS OF 6dB BANDWIDTH MEASUREMENT	
4.3.2	TEST INSTRUMENTS	
4.3.3	TEST PROCEDURE	
4.3.4	DEVIATION FROM TEST STANDARD	
4.3.5	TEST SETUP	
4.3.6	EUT OPERATING CONDITIONS	
4.3.7	TEST RESULTS	
4.4	MAXIMUM PEAK OUTPUT POWER	
4.4.1	LIMITS OF MAXIMUM PEAK OUTPUT POWER MEASUREMENT	
4.4.2	INSTRUMENTS	
4.4.1	TEST PROCEDURES	
4.4.2	DEVIATION FROM TEST STANDARD	
4.4.3	TEST SETUP	48
4.4.4	EUT OPERATING CONDITIONS	
4.4.3	TEST RESULTS	
4.5	POWER SPECTRAL DENSITY MEASUREMENT	
	LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT	
4.5.2	TEST INSTRUMENTS	50



4.5.3	TEST PROCEDURE	51
4.5.4	DEVIATION FROM TEST STANDARD	51
4.5.5	TEST SETUP	51
4.5.6	EUT OPERATING CONDITION	51
4.5.7	TEST RESULTS	52
4.6	BAND EDGES MEASUREMENT	58
4.6.1	LIMITS OF BAND EDGES MEASUREMENT	58
4.6.2	TEST INSTRUMENTS	
4.6.3	TEST PROCEDURE	58
4.6.4	DEVIATION FROM TEST STANDARD	58
4.6.5	EUT OPERATING CONDITION	58
4.6.6	TEST RESULTS	59
4.7	ANTENNA REQUIREMENT	67
4.7.1	STANDARD APPLICABLE	67
4.7.2	ANTENNA CONNECTED CONSTRUCTION	67
5.	INFORMATION ON THE TESTING LABORATORIES	68
APPE	:NDIX-A	



1. CERTIFICATION

PRODUCT: EDA (Enterprise Digital Assistant)

MODEL: MC3574
BRAND: Symbol

APPLICANT: Symbol Technologies, Inc.

TEST SAMPLE: ENGINEERING SAMPLE

TESTED: Oct. 16 ~ Nov. 13, 2006

STANDARDS: FCC Part 15, Subpart C (Section 15.247),

ANSI C63.4-2003

The above equipment has been tested by **Advance Data Technology Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY: Andrea A., DATE: Nov. 17, 2006

Andrea Hsia

TECHNICAL

ACCEPTANCE : Long Chen , DATE: Nov. 17, 2006

Responsible for RF

APPROVED BY : (**Approved DATE**: Nov. 17, 2006

Gary Chang / Supervisor



2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

AP	APPLIED STANDARD: FCC Part 15, Subpart C (Section 15.247)								
Standard Section	Test Type and Limit	Result	Remark						
15.207	AC Power Conducted Emission		Meet the requirement of limit. Minimum passing margin is –6.76dB at 0.213MHz						
15.247(a)(2)	Spectrum Bandwidth of a Direct Sequence Spread Spectrum System Limit: min. 500kHz	PASS	Meet the requirement of limit.						
15.247(b)	Maximum Peak Output Power Limit: max. 30dBm	PASS	Meet the requirement of limit.						
15.247(d)	Radiated Emissions Limit: Table 15.209		Meet the requirement of limit. Minimum passing margin is -1.02dB at 4924.00MHz						
15.247(e) Power Spectral Density Limit: max. 8dBm		PASS	Meet the requirement of limit.						
15.247(d)	Band Edge Measurement Limit: 20dB less than the peak value of fundamental frequency	PASS	Meet the requirement of limit.						

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4:

Measurement	Frequency	Uncertainty
Conducted emissions	9kHz~30MHz	2.44 dB
	30MHz ~ 200MHz	3.71 dB
Radiated emissions	200MHz ~1000MHz	3.73 dB
Radiated emissions	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	EDA (Enterprise Digital Assistant)
MODEL NO.	MC3574
FCC ID	H9PMC3574
	3.7Vdc from rechargeable lithium battery
POWER SUPPLY	5.0Vdc from power adapter
	5.0Vdc from host equipment
	Wireless LAN: CCK, DQPSK,DBPSK for DSSS
MODULATION TYPE	64QAM, 16QAM, QPSK, BPSK for OFDM
	Bluetooth: GFSK for FHSS
MODULATION TECHNOLOGY	DSSS, OFDM, FHSS
TRANSFER RATE	Wireless LAN: 802.11b:11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6Mbps
	Bluetooth: 723Kbps
FREQUENCY RANGE	Wireless LAN: 2.412 ~ 2.462GHz
FREQUENCT RANGE	Bluetooth: 2.402 ~ 2.480GHz
NUMBER OF CHANNEL	Wireless LAN: 11
NUMBER OF CHANNEL	Bluetooth: 79
CHANNEL SPACING	Wireless LAN: 5MHz
CHANNEL SPACING	Bluetooth: 1MHz
	Wireless LAN: 37.670mW for 802.11b
OUTPUT POWER	31.769mW for 802.11g
	Bluetooth: 2.223mW
ANTENNA TYPE	Wireless LAN: PIFA antenna with 1.48dBi gain
ANTENNA ITE	Bluetooth: PIFA antenna with -0.56dBi gain
DATA CABLE	1.6m USB shielded cable with one core
I/O PORTS	Refer to user's manual
ASSOCIATED DEVICES	USB cable, Adapter, 2 x lithium battery

NOTE:

- The EUT is a GSM850/ PCS1900 EDA (Enterprise Digital Assistant) with Wireless LAN, bluetooth, and GPS functions. This report is only covered the functions of wireless LAN. The bluetooth is covered in the other test report, which standards used also FCC Part 15. And the mobile phone function is covered in another two test reports, which standards used are FCC Part 24 and FCC Part 22.
- 2. The EUT have two different types, one is with CCD camera, but the other one is without. After pre-tested two types, the first one was the worst for final test.



3. The EUT have two lithium batteries listed as below:

THICK BATTERY:			
BRAND: Symbol			
MODEL:	BTRY-MC35EABO2		
RATING: 3.7Vdc, 2740mAh			

THIN BATTERY:				
BRAND: Symbol				
MODEL:	BTRY-35EABOE			
RATING:	3.7Vdc, 1370mAh			

NOTE: After pre-tested both batteries, found thick battery is worse, therefore all the test results came out from this.

4. The EUT was operated with following power adapter:

BRAND:	PHIHONG		
MODEL: PSM11R-050			
INPUT: 100-240Vac, 50-60Hz, 0.3A, 26-34VA			
OUTPUT: 5.0Vdc, 2A max.			
POWER LINE:	AC 1.85m non-shielded cable without core		

- 5. The EUT operates in the 2.4GHz frequency spectrum and complies with 802.11b & 802.11g techniques.
- 6. The above EUT information was declared by the manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.



3.2 DESCRIPTION OF TEST MODES

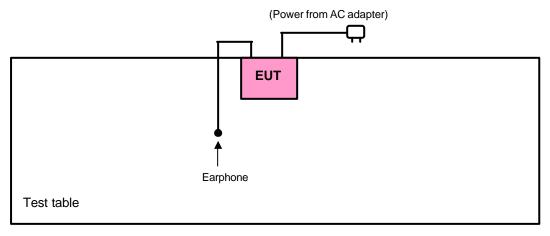
Operated in 2400 ~ 2483.5MHz band:

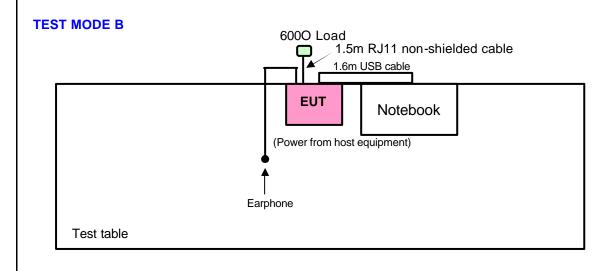
11 channels are provided to the EUT for wireless LAN function:

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2412 MHz	7	2442 MHz
2	2417 MHz	8	2447 MHz
3	2422 MHz	9	2452 MHz
4	2427 MHz	10	2457 MHz
5	2432 MHz	11	2462 MHz
6	2437 MHz		

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST

TEST MODE A







3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT configure		Applic	able to		Description
mode	PLC	RE<1G	RE ³ 1G	APCM	2000/ipiioii
А	٧	٧	-	-	Power from AC adapter
В	٧	٧	v Power from host equipm		Power from host equipment

Where **PLC:** Power Line Conducted Emission

RE<1G: Radiated Emission below 1GHz

APCM: Antenna Port Conducted Measurement

RE³1G: Radiated Emission above 1GHz

Note: "-" means no effect.

Power Line Conducted Emission Test:

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
А	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6
В	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6

Radiated Emission Test (Below 1 GHz):

☑? Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, antenna ports (if EUT with antenna diversity architecture), and X, Y and Z Axis.

Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	AXIS
А	802.11g	1 to 11	11	OFDM	BPSK	6	Х
В	802.11g	1 to 11	11	OFDM	BPSK	6	Х

Radiated Emission Test (Above 1 GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, antenna ports (if EUT with antenna diversity architecture), and X, Y and Z Axis.

Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	AXIS
802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1	Χ
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	Χ



Bandedge Measurement:

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
802.11b	1 to 11	1, 11	DSSS	DBPSK	1
802.11g	1 to 11	1, 11	OFDM	BPSK	6

Antenna Port Conducted Measurement:

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6



3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C. (15.247) ANSI C63.4-2003

All test items have been performed and recorded as per the above standards.

NOTE: The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NOTEBOOK COMPUTER	HP	nx6215	CND5390CMP	NA
2	600O LOAD	NA	NA	NA	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	NA

NOTE: All power cords of the above support units are non shielded (1.8m).



TEST TYPES AND RESULTS

4.1 **CONDUCTED EMISSION MEASUREMENT**

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBµV)			
	Quasi-peak	Average		
0.15-0.5 0.5-5 5-30	66 to 56 56 60	56 to 46 46 50		

NOTE:

- 1. The lower limit shall apply at the transition frequencies.
- 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
- 3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESCS30	100288	Sep. 25, 2007
RF signal cable Woken	5D-FB	Cable-HYCO3-01	Jan. 06, 2007
LISN ROHDE & SCHWARZ	ESH2-Z5	100100	Jan. 09, 2007
LISN ROHDE & SCHWARZ	ESH3-Z5	100311	Jan. 22, 2007
Software ADT	ADT_Cond_V3	NA	NA

- NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 - 2. The test was performed in HwaYa Shielded Room 2.
 - 3. The VCCI Site Registration No. is C-2047.



4.1.3 TEST PROCEDURES

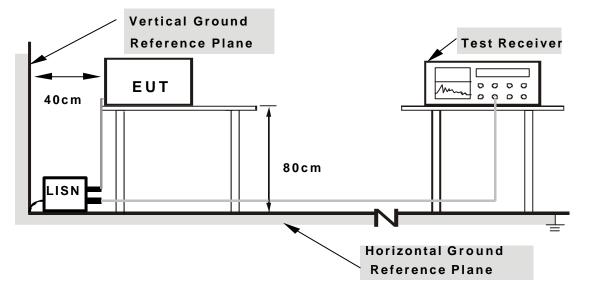
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit 20dB) was not recorded.

414	DE//IA	TION	FROM	TEST	STAND	ARD
4.1.4	DLVIA	\mathbf{I}		$I \perp \cup I$	o	$\Delta I \setminus D$

No deviation



4.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT OPERATING CONDITIONS

TEST MODE A

Enable EUT under transmitting condition continuously at specific channel frequency.

TEST MODE B

- a. Connected EUT with notebook system and placed on a testing table.
- b. The notebook system ran a test program (provided by manufacturer) to enable EUT under transmitting / receiving condition continuously at specific channel frequency.
- c. The necessary accessories enable the EUT in full functions.



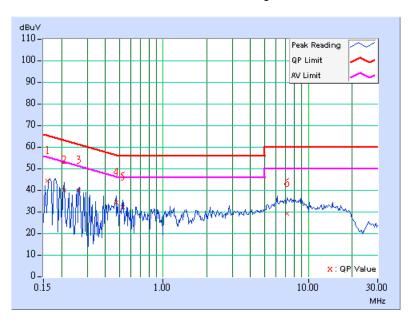
4.1.7 TEST RESULTS

Conducted Worst-Case Data

EUT TEST CONDIT	ION	MEASUREMENT DETAIL			
CHANNEL	Channel 1	PHASE	Line 1		
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz		
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	А		
TESTED BY	Match Tsui				

	Freq.	Corr.	Reading	y Value	Emis Lev		Lir	nit	Mar	gin
No		Factor	[dB (uV)]	[dB (uV)]	[dB ([uV)]	(dl	3)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.159	0.10	44.00	-	44.10	-	65.50	55.50	-21.40	-
2	0.209	0.10	39.48	-	39.58	-	63.26	53.26	-23.68	-
3	0.262	0.10	39.56	-	39.66	-	61.36	51.36	-21.70	-
4	0.474	0.10	34.13	-	34.23	-	56.44	46.44	-22.21	-
5	0.525	0.10	31.91	-	32.01	-	56.00	46.00	-23.99	-
6	7.133	0.36	29.03	-	29.39	-	60.00	50.00	-30.61	-

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
 - 6. Emission Level = Correction Factor + Reading Value.

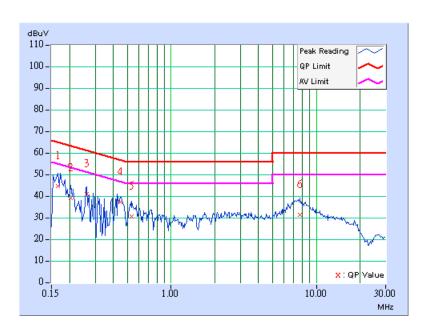




EUT TEST CONDIT	ION	MEASUREMENT DETAIL			
CHANNEL	Channel 1	PHASE	Line 2		
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz		
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	А		
TESTED BY	Match Tsui				

	Freq.	Corr.	Reading	g Value	Emis Le	ssion vel	Lir	nit	Mar	gin
No		Factor	[dB ((uV)]	[dB ((uV)]	[dB ((uV)]	(dl	B)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.166	0.10	44.38	-	44.48	-	65.17	55.17	-20.69	-
2	0.205	0.10	38.71	-	38.81	-	63.42	53.42	-24.61	-
3	0.263	0.10	40.86	-	40.96	-	61.33	51.33	-20.37	-
4	0.446	0.11	37.01	-	37.12	-	56.94	46.94	-19.82	-
5	0.537	0.12	30.24	-	30.36	-	56.00	46.00	-25.64	-
6	7.684	0.43	30.99	-	31.42	-	60.00	50.00	-28.58	-

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
 - 6. Emission Level = Correction Factor + Reading Value.

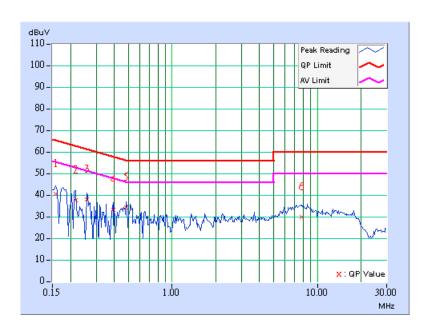




EUT TEST CONDIT	ION	MEASUREMENT DETAIL				
CHANNEL	Channel 6	PHASE	Line 1			
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz			
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa			
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	А			
TESTED BY	Match Tsui					

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin		
No		Factor	[dB ([dB (uV)]		(uV)]	[dB (uV)]		(dl	(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.158	0.10	40.55	-	40.65	-	65.58	55.58	-24.93	-	
2	0.216	0.10	37.26	-	37.36	-	62.96	52.96	-25.60	-	
3	0.259	0.10	37.92	-	38.02	-	61.45	51.45	-23.43	-	
4	0.392	0.10	32.84	-	32.94	-	58.02	48.02	-25.08	-	
5	0.482	0.10	34.16	-	34.26	-	56.30	46.30	-22.04	-	
6	7.770	0.36	29.49	-	29.85	-	60.00	50.00	-30.15	-	

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
 - 6. Emission Level = Correction Factor + Reading Value.

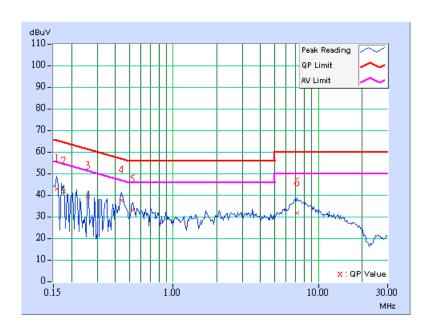




EUT TEST CONDIT	ION	MEASUREMENT DETAIL				
CHANNEL	Channel 6	PHASE	Line 2			
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz			
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa			
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	А			
TESTED BY	Match Tsui					

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin		
No		Factor	[dB ([dB (uV)]		(uV)]	[dB ([dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.158	0.10	42.51	-	42.61	-	65.58	55.58	-22.97	-	
2	0.177	0.10	41.25	-	41.35	-	64.61	54.61	-23.26	-	
3	0.259	0.10	39.05	-	39.15	-	61.45	51.45	-22.30	-	
4	0.443	0.11	37.30	-	37.41	-	57.01	47.01	-19.60	-	
5	0.525	0.12	32.78	-	32.90	-	56.00	46.00	-23.10	-	
6	7.172	0.42	31.53	-	31.95	-	60.00	50.00	-28.05	-	

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
 - 6. Emission Level = Correction Factor + Reading Value.

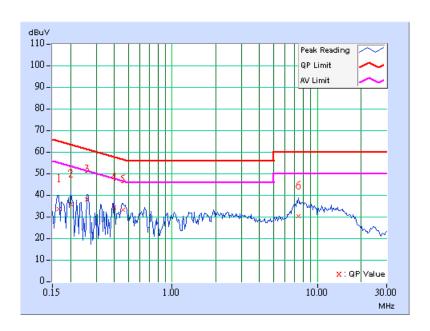




EUT TEST CONDIT	ION	MEASUREMENT DETAIL				
CHANNEL	Channel 11	PHASE	Line 1			
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz			
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa			
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	А			
TESTED BY	Match Tsui					

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB ([dB (uV)]		(uV)]	[dB (uV)]		(dl	3)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.166	0.10	33.31	-	33.41	-	65.18	55.18	-31.77	-
2	0.201	0.10	35.40	-	35.50	-	63.58	53.58	-28.08	-
3	0.259	0.10	37.72	-	37.82	-	61.45	51.45	-23.63	-
4	0.400	0.10	34.01	-	34.11	-	57.85	47.85	-23.74	-
5	0.459	0.10	32.85	-	32.95	-	56.72	46.72	-23.77	-
6	7.441	0.36	30.17	-	30.53	-	60.00	50.00	-29.47	-

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
- 6. Emission Level = Correction Factor + Reading Value.

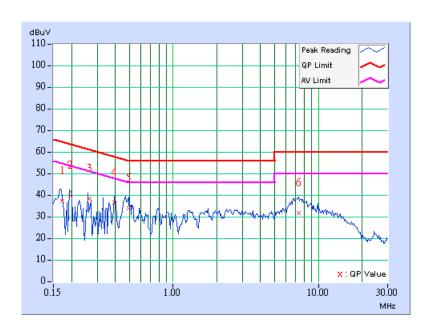




EUT TEST CONDIT	ION	MEASUREMENT DETAIL				
CHANNEL	Channel 11	PHASE	Line 2			
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz			
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa			
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	А			
TESTED BY	Match Tsui					

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB ([dB (uV)]		(uV)]	[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.172	0.10	36.88	-	36.98	-	64.86	54.86	-27.88	-
2	0.197	0.10	39.50	-	39.60	-	63.74	53.74	-24.14	-
3	0.264	0.10	38.21	-	38.31	-	61.29	51.29	-22.98	-
4	0.392	0.10	36.34	-	36.44	-	58.02	48.02	-21.58	-
5	0.494	0.12	33.60	-	33.72	-	56.10	46.10	-22.39	-
6	7.332	0.42	31.33	-	31.75	-	60.00	50.00	-28.25	-

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
 - 6. Emission Level = Correction Factor + Reading Value.

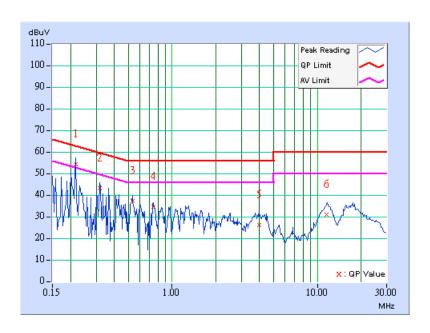




EUT TEST CONDIT	ION	MEASUREMENT DETAIL				
CHANNEL	Channel 1	PHASE	Line 1			
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz			
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa			
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	В			
TESTED BY	Match Tsui					

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB ([dB (uV)]		(uV)]	[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.216	0.10	54.11	44.44	54.21	44.54	62.96	52.96	-8.75	-8.42
2	0.318	0.10	43.02	-	43.12	-	59.76	49.76	-16.64	-
3	0.533	0.10	36.91	-	37.01	-	56.00	46.00	-18.99	-
4	0.742	0.10	34.31	-	34.41	-	56.00	46.00	-21.59	-
5	3.977	0.37	25.96	-	26.33	-	56.00	46.00	-29.67	-
6	11.613	0.45	30.50	-	30.95	-	60.00	50.00	-29.05	-

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
 - 6. Emission Level = Correction Factor + Reading Value.

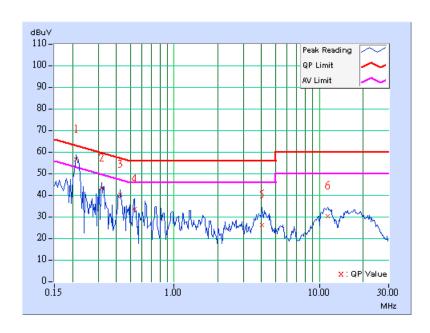




EUT TEST CONDIT	ION	MEASUREMENT DETAIL				
CHANNEL	Channel 1	PHASE	Line 2			
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz			
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa			
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	В			
TESTED BY	Match Tsui					

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin		
No		Factor	[dB ((uV)]	[dB ((uV)]	[dB ([dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.213	0.10	56.25	45.68	56.35	45.78	63.11	53.11	-6.76	-7.33	
2	0.318	0.10	42.82	-	42.92	-	59.76	49.76	-16.84	-	
3	0.427	0.10	39.82	-	39.92	-	57.30	47.30	-17.38	-	
4	0.533	0.12	33.23	-	33.35	-	56.00	46.00	-22.65	-	
5	4.047	0.37	25.68	-	26.05	-	56.00	46.00	-29.95	-	
6	11.402	0.51	29.92	-	30.43	-	60.00	50.00	-29.57	-	

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
 - 6. Emission Level = Correction Factor + Reading Value.

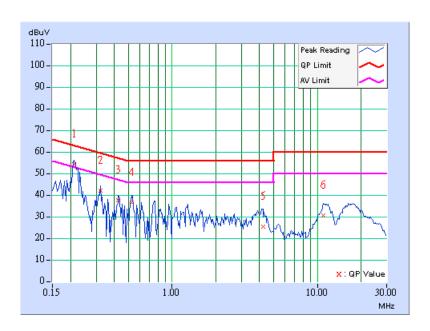




EUT TEST CONDIT	ION	MEASUREMENT DETAIL			
CHANNEL	Channel 6	PHASE	Line 1		
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz		
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	В		
TESTED BY	Match Tsui				

	Freq.	Corr.	Reading	g Value	Emis Le	ssion vel	Lit	nit	Mar	gin
No		Factor	[dB ((uV)]	[dB ((uV)]	[dB	(uV)]	(dl	В)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.213	0.10	54.15	44.60	54.25	44.70	63.11	53.11	-8.86	-8.41
2	0.322	0.10	41.79	-	41.89	-	59.66	49.66	-17.77	-
3	0.427	0.10	37.39	-	37.49	-	57.30	47.30	-19.81	-
4	0.525	0.10	36.13	-	36.23	-	56.00	46.00	-19.77	-
5	4.215	0.37	25.14	-	25.51	-	56.00	46.00	-30.49	-
6	11.039	0.42	30.24	-	30.66	-	60.00	50.00	-29.34	-

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
 - 6. Emission Level = Correction Factor + Reading Value.

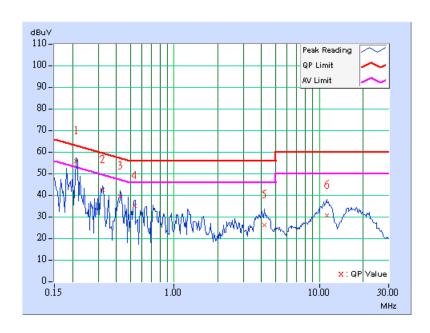




EUT TEST CONDIT	ION	MEASUREMENT DETAIL			
CHANNEL	Channel 6		Line 2		
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz		
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	В		
TESTED BY	Match Tsui				

	Freq.	Corr.	Reading	g Value	_	ssion vel	Limit		Margin		
No		Factor	[dB ((uV)]	[dB	(uV)]	[dB	[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.213	0.10	55.39	41.54	55.49	41.64	63.11	53.11	-7.62	-11.47	
2	0.322	0.10	41.99	-	42.09	-	59.66	49.66	-17.57	-	
3	0.427	0.10	38.95	-	39.05	-	57.30	47.30	-18.25	-	
4	0.532	0.12	34.68	-	34.80	-	56.00	46.00	-21.20	-	
5	4.184	0.37	25.78	-	26.15	-	56.00	46.00	-29.85	-	
6	11.254	0.50	30.13	-	30.63	-	60.00	50.00	-29.37	-	

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
 - 6. Emission Level = Correction Factor + Reading Value.

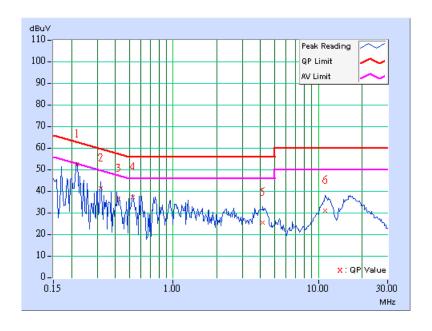




EUT TEST CONDIT	ION	MEASUREMENT DETAIL			
CHANNEL Channel 11		PHASE	Line 1		
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz		
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	В		
TESTED BY	Match Tsui				

	Freq.	Corr.	Reading	g Value	Emis Le	ssion vel	Lir	nit	Mar	gin
No		Factor	[dB ((uV)]	[dB ((uV)]	[dB ((uV)]	(dl	B)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.216	0.10	52.21	-	52.31	-	62.96	52.96	-10.65	-
2	0.318	0.10	40.94	-	41.04	-	59.76	49.76	-18.72	-
3	0.421	0.10	36.29	-	36.39	-	57.44	47.44	-21.05	-
4	0.525	0.10	36.93	-	37.03	-	56.00	46.00	-18.97	-
5	4.145	0.37	25.23	-	25.60	-	56.00	46.00	-30.40	-
6	11.191	0.42	30.79	-	31.21	-	60.00	50.00	-28.79	-

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
 - 6. Emission Level = Correction Factor + Reading Value.

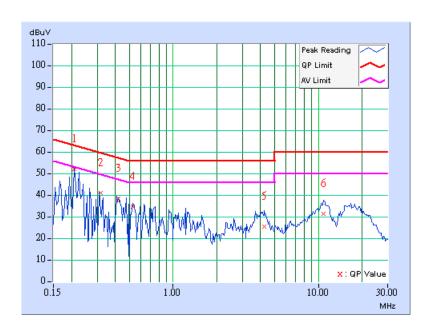




EUT TEST CONDIT	ION	MEASUREMENT DETAIL			
CHANNEL Channel 11		PHASE	Line 2		
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz		
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	20deg. C, 60%RH, 991hPa		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	В		
TESTED BY	Match Tsui				

	Freq.	Corr.	Reading Value		Emission Limit Margin		Limit		gin	
No		Factor	[dB ((uV)]	[dB ((uV)]	[dB ((uV)]	(dl	3)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.209	0.10	51.72	-	51.82	-	63.26	53.26	-11.44	-
2	0.317	0.10	40.47	-	40.57	-	59.80	49.80	-19.23	-
3	0.421	0.10	38.13	-	38.23	-	57.44	47.44	-19.20	-
4	0.525	0.12	34.14	-	34.26	-	56.00	46.00	-21.74	-
5	4.262	0.37	25.22	-	25.59	-	56.00	46.00	-30.41	-
6	10.883	0.49	31.08	-	31.57	-	60.00	50.00	-28.43	-

- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. The emission levels of other frequencies were very low against the limit.
- 4. Margin value = Emission level Limit value
- 5. Correction factor = Insertion loss + Cable loss
 - 6. Emission Level = Correction Factor + Reading Value.





4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequencies (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

NOTE:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.
- 3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.



4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESI7	100033	May. 22, 2007
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100025	Dec. 05, 2006
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	May 31, 2007
HORN Antenna SCHWARZBECK	9120D	9120D-408	Jan. 08, 2007
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170243	Jan. 19, 2007
Preamplifier Agilent	8447D	2944A10633	Oct. 26, 2007
Preamplifier Agilent	8449B	3008A01964	Oct. 26, 2007
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	214377/4	Dec. 13, 2006
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	219272/4	Dec. 13, 2006
Software ADT.	ADT_Radiated_V5.14	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA
Turn Table ADT.	TT100.	TT93021703	NA
Turn Table Controller ADT.	SC100.	SC93021703	NA

NOTE:

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

- 2. The test was performed in HwaYa Chamber 3.
- 3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
- 4. The VCCI Site Registration No. is R-237.
- 5. The IC Site Registration No. is IC4924-3.



4.2.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTE:

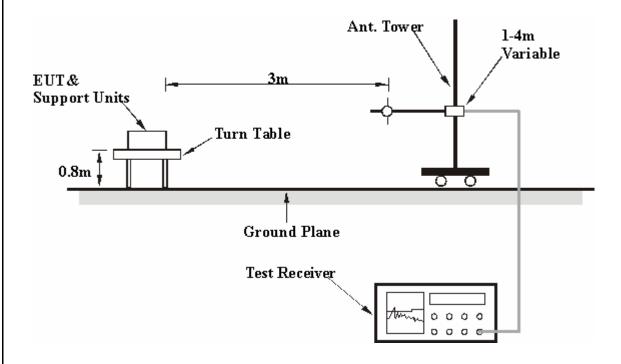
- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10Hz for Average detection (AV) at frequency above 1GHz.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation



4.2.5 TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6



4.2.7 TEST RESULTS

Below 1GHz Worst-Case Data

EUT TEST CONDITIO	N	MEASUREMENT DETAIL		
CHANNEL	IANNEL Channel 11		Below 1000MHz	
MODULATION TYPE	BPSK	DETECTOR FUNCTION	Quasi-Peak	
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH, 991hPa	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	А	
TESTED BY	Morgan Chen			

	ANT	ENNA POLAF	RITY & TE	ST DISTA	NCE: HO	RIZONTAL	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	31.94	20.80 QP	40.00	-19.20	1.00 H	292	7.25	13.55
2	84.43	21.71 QP	40.00	-18.29	1.25 H	28	11.89	9.83
3	125.25	24.23 QP	43.50	-19.27	1.25 H	202	11.29	12.93
4	238.00	35.23 QP	46.00	-10.77	1.00 H	106	22.27	12.95
5	286.59	27.89 QP	46.00	-18.11	1.25 H	40	13.07	14.83
6	747.29	26.72 QP	46.00	-19.28	1.25 H	40	1.35	25.37
7	825.05	26.53 QP	46.00	-19.47	1.00 H	106	0.34	26.19
8	863.93	26.62 QP	46.00	-19.38	1.25 H	163	-0.22	26.84
9	896.97	28.58 QP	46.00	-17.42	1.00 H	13	1.34	27.23
10	912.53	28.17 QP	46.00	-17.83	1.25 H	217	0.74	27.43
11	949.46	29.42 QP	46.00	-16.58	1.00 H	106	1.52	27.90

	Al	NTENNA POLA	ARITY & T	EST DIST	ANCE: VE	RTICAL	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	45.55	34.41 QP	40.00	-5.59	1.00 V	289	20.17	14.24
2	84.43	30.77 QP	40.00	-9.23	1.00 V	106	20.95	9.83
3	125.25	27.26 QP	43.50	-16.24	1.00 V	277	14.33	12.93
4	185.51	23.58 QP	43.50	-19.92	1.00 V	232	11.06	12.52
5	550.96	26.66 QP	46.00	-19.34	1.00 V	226	5.55	21.10
6	747.29	26.40 QP	46.00	-19.60	1.00 V	226	1.03	25.37
7	813.39	26.55 QP	46.00	-19.45	1.00 V	277	0.58	25.96
8	838.66	26.47 QP	46.00	-19.53	1.00 V	232	0.01	26.46
9	863.93	27.92 QP	46.00	-18.08	1.00 V	172	1.08	26.84
10	906.69	27.08 QP	46.00	-18.92	1.00 V	277	-0.28	27.36

- 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.



EUT TEST CONDITIO	N	MEASUREMENT DETAIL			
CHANNEL	Channel 11	FREQUENCY RANGE	Below 1000MHz		
MODULATION TYPE	BPSK	DETECTOR FUNCTION	Quasi-Peak		
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TEST MODE	В		
TESTED BY	Morgan Chen				

	ANT	ENNA POLAF	RITY & TE	ST DISTA	NCE: HOP	RIZO NTAL	. 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	84.43	23.04 QP	40.00	-16.96	1.50 H	52	13.21	9.83
2	119.42	31.31 QP	43.50	-12.19	1.50 H	160	18.74	12.57
3	158.30	29.17 QP	43.50	-14.33	1.50 H	226	14.72	14.45
4	164.13	29.57 QP	43.50	-13.93	1.25 H	169	15.38	14.20
5	199.12	28.33 QP	43.50	-15.17	1.50 H	271	16.99	11.34
6	238.00	32.36 QP	46.00	-13.64	1.50 H	124	19.40	12.95
7	729.80	30.37 QP	46.00	-15.63	1.50 H	154	5.49	24.88
8	867.82	32.19 QP	46.00	-13.81	1.50 H	52	5.30	26.89
9	957.23	28.61 QP	46.00	-17.39	1.00 H	247	0.66	27.95

	ΙA	NTENNA POLA	ARITY & T	EST DIST	ANCE: VE	RTICAL A	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	45.55	34.33 QP	40.00	-5.67	1.00 V	280	20.08	14.24
2	84.43	31.19 QP	40.00	-8.81	1.00 V	301	21.36	9.83
3	109.70	28.27 QP	43.50	-15.23	1.00 V	124	16.89	11.38
4	162.18	26.31 QP	43.50	-17.19	1.00 V	94	11.96	14.35
5	199.12	27.86 QP	43.50	-15.64	1.00 V	307	16.52	11.34
6	731.74	30.10 QP	46.00	-15.90	1.00 V	13	5.16	24.94
7	865.87	34.40 QP	46.00	-11.60	1.00 V	160	7.54	26.87
8	941.68	28.26 QP	46.00	-17.74	1.00 V	322	0.46	27.80

- 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.



802.11b DSSS modulation

EUT TEST CONDITIO	N	MEASUREMENT DETAIL			
CHANNEL	RANGE		1 ~ 25GHz		
MODULATION TYPE	DBPSK	DETECTOR FUNCTION	Peak(PK) Average (AV)		
TRANSFER RATE	1Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Morgan Chen		

	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	58.87 PK	74.00	-15.13	1.05 H	345	27.34	31.53		
1	2390.00	49.08 AV	54.00	-4.92	1.05 H	345	17.55	31.53		
2	*2412.00	107.22 PK			1.07 H	168	75.59	31.63		
2	*2412.00	102.51 AV			1.07 H	168	70.88	31.63		
3	4824.00	55.36 PK	74.00	-18.64	1.02 H	136	17.16	38.20		
3	4824.00	52.00 AV	54.00	-2.00	1.02 H	136	13.80	38.20		

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	48.45 PK	74.00	-25.55	1.12 V	46	16.92	31.53		
1	2390.00	38.52 AV	54.00	-15.48	1.12 V	46	6.99	31.53		
2	*2412.00	97.05 PK			1.08 V	63	65.42	31.63		
2	*2412.00	92.18 AV			1.08 V	63	60.55	31.63		
3	4824.00	56.74 PK	74.00	-17.26	1.19 V	7	18.54	38.20		
3	4824.00	52.81 AV	54.00	-1.19	1.19 V	7	14.61	38.20		

- Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 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 6	RANGE			
MODULATION TYPE	DBPSK	DETECTOR FUNCTION	Peak(PK) Average (AV)		
TRANSFER RATE	1Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Morgan Chen		

	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	107.09 PK			1.06 H	175	75.35	31.74		
1	*2437.00	102.21 AV			1.06 H	175	70.47	31.74		
2	4874.00	55.45 PK	74.00	-18.55	1.03 H	129	17.19	38.26		
2	4874.00	51.97 AV	54.00	-2.03	1.03 H	129	13.71	38.26		

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	97.23 PK			1.05 V	52	65.49	31.74	
1	*2437.00	92.35 AV			1.05 V	52	60.61	31.74	
2	4874.00	56.82 PK	74.00	-17.18	1.15 V	4	18.56	38.26	
2	4874.00	52.87 AV	54.00	-1.13	1.15 V	4	14.61	38.26	

- 1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
- The other emission levels were very low against the limit.
 Margin value = Emission level Limit value.
 " * ": Fundamental frequency.



EUT TEST CONDITION	I	MEASUREMENT DETAIL			
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz		
MODULATION TYPE	DBPSK	DETECTOR FUNCTION	Peak(PK) Average (AV)		
TRANSFER RATE	1Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa		
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Morgan Chen		

	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	*2462.00	106.74 PK			1.05 H	159	74.89	31.85		
1	*2462.00	102.23 AV			1.05 H	159	70.38	31.85		
2	2483.50	59.35 PK	74.00	-14.65	1.08 H	339	27.41	31.94		
2	2483.50	49.56 AV	54.00	-4.44	1.08 H	339	17.62	31.94		
3	4924.00	55.58 PK	74.00	-18.42	1.08 H	130	17.26	38.32		
3	4924.00	52.32 AV	54.00	-1.68	1.08 H	130	14.00	38.32		

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	*2462.00	96.13 PK			1.13 V	52	64.28	31.85
1	*2462.00	91.03 AV			1.13 V	52	59.18	31.85
2	2483.50	47.89 PK	74.00	-26.11	1.18 V	56	15.95	31.94
2	2483.50	38.02 AV	54.00	-15.98	1.18 V	56	6.08	31.94
3	4924.00	56.94 PK	74.00	-17.06	1.05 V	171	18.62	38.32
3	4924.00	52.98 AV	54.00	-1.02	1.05 V	171	14.66	38.32

- 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.



802.11g OFDM modulation

EUT TEST CONDITIO	N	MEASUREMENT DETAIL		
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz	
MODULATION TYPE	BPSK	DETECTOR FUNCTION	Peak(PK) Average (AV)	
TRANSFER RATE	6Mbps ENVIRONMENTAL CONDITIONS		25deg. C, 65%RH, 991hPa	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Morgan Chen	

	ANTENNA POLARITY & TEST DISTANCE: HORIZO NTAL 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	66.33 PK	74.00	-7.67	1.09 H	172	34.80	31.53
1	2390.00	51.58 AV	54.00	-2.42	1.09 H	172	20.05	31.53
2	*2412.00	106.19 PK			1.11 H	175	74.56	31.63
2	*2412.00	94.75 AV			1.11 H	175	63.12	31.63
3	4824.00	50.55 PK	74.00	-23.45	1.09 H	18	12.35	38.20
3	4824.00	37.65 AV	54.00	-16.35	1.09 H	18	-0.55	38.20

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	57.08 PK	74.00	-16.92	1.09 V	305	25.55	31.53
1	2390.00	47.86 AV	54.00	-6.14	1.09 V	305	16.33	31.53
2	*2412.00	96.68 PK			1.18 V	16	65.05	31.63
2	*2412.00	87.21 AV			1.18 V	16	55.58	31.63
3	4824.00	52.32 PK	74.00	-21.68	1.03 V	325	14.12	38.20
3	4824.00	40.15 AV	54.00	-13.85	1.03 V	325	1.95	38.20

- Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 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 6	FREQUENCY RANGE	1 ~ 25GHz	
MODULATION TYPE	BPSK	DETECTOR FUNCTION	Peak(PK) Average (AV)	
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Morgan Chen	

	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	106.03 PK			1.13 H	165	74.29	31.74	
1	*2437.00	94.65 AV			1.13 H	165	62.91	31.74	
2	4874.00	50.32 PK	74.00	-23.68	1.13 H	25	12.06	38.26	
2	4874.00	37.46 AV	54.00	-16.54	1.13 H	25	-0.80	38.26	

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL 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	96.56 PK			1.13 V	26	64.82	31.74	
1	*2437.00	87.09 AV			1.13 V	26	55.35	31.74	
2	4874.00	52.28 PK	74.00	-21.72	1.05 V	315	14.02	38.26	
2	4874.00	40.08 AV	54.00	-13.92	1.05 V	315	1.82	38.26	

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 CONDITIO	N	MEASUREMENT DETAIL		
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz	
MODULATION TYPE	BPSK	DETECTOR FUNCTION	Peak(PK) Average (AV)	
TRANSFER RATE	6Mbps	ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH, 991hPa	
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Morgan Chen	

	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	*2462.00	105.23 PK			1.13 H	169	73.38	31.85	
1	*2462.00	93.65 AV			1.13 H	169	61.80	31.85	
2	2483.50	66.12 PK	74.00	-7.88	1.05 H	185	34.18	31.94	
2	2483.50	51.03 AV	54.00	-2.97	1.05 H	185	19.09	31.94	
3	4924.00	50.12 PK	74.00	-23.88	1.05 H	25	11.80	38.32	
3	4924.00	37.52 AV	54.00	-16.48	1.05 H	25	-0.80	38.32	

	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M									
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (De gree)	Raw Value (dBuV)	Correction Factor (dB/m)		
1	*2462.00	95.71 PK			1.15 V	26	63.86	31.85		
1	*2462.00	86.35 AV			1.15 V	26	54.50	31.85		
2	2483.50	57.01 PK	74.00	-16.99	1.06 V	312	25.07	31.94		
2	2483.50	47.79 AV	54.00	-6.21	1.06 V	312	15.85	31.94		
3	4924.00	52.52 PK	74.00	-21.48	1.05 V	306	14.20	38.32		
3	4924.00	40.35 AV	54.00	-13.65	1.05 V	306	2.03	38.32		

REMARKS:

- Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 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.



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 & Manufacturer	Model No.	Serial No.	Calibrated Until
SPECTRUM ANALYZER	FSP40	100040	Jun. 07, 2007

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



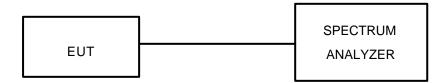
4.3.3 TEST PROCEDURE

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.



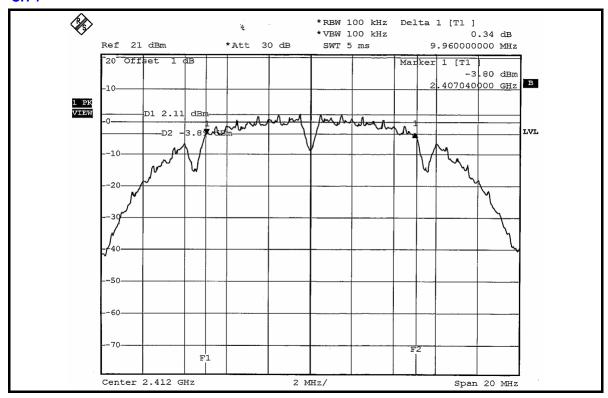
4.3.7 TEST RESULTS

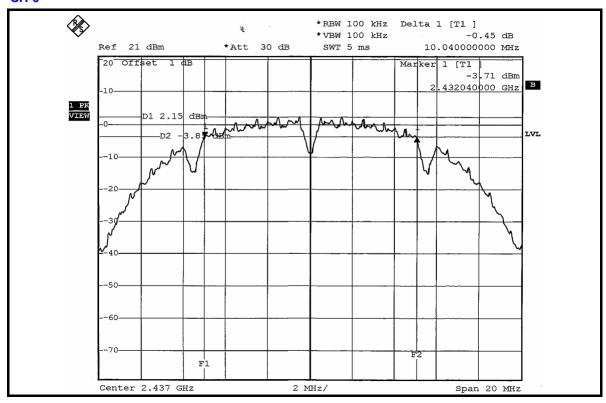
802.11b DSSS modulation

MODULATION TYPE	DBPSK	TRANSFER RATE	1Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 68%RH, 991hPa
TESTED BY	Match Tsui		

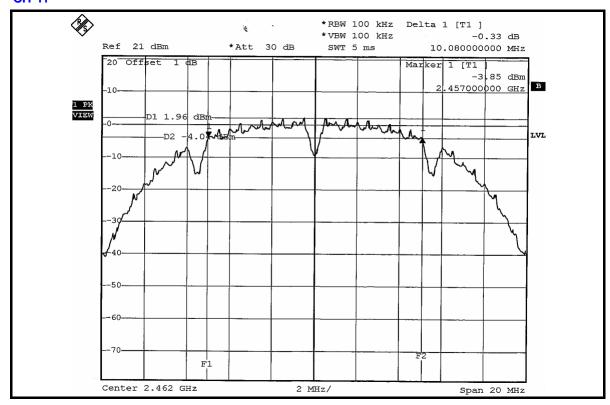
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	9.96	0.5	PASS
6	2437	10.04	0.5	PASS
11	2462	10.08	0.5	PASS











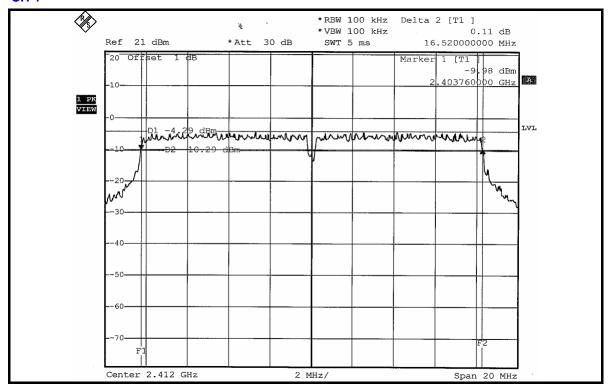


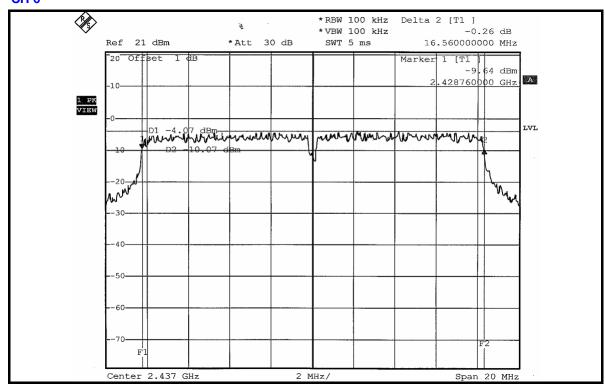
802.11g OFDM modulation

MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz		25deg.C, 68%RH, 991hPa
TESTED BY	Match Tsui		

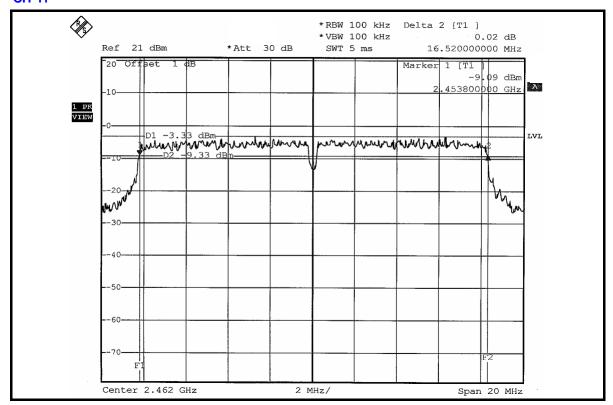
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	16.52	0.5	PASS
6	2437	16.56	0.5	PASS
11	2462	16.52	0.5	PASS













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 INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP40	100040	Jun. 07, 2007
AGILENT SIGNAL GENERATOR	E8257C	MY43320668	Dec. 30, 2006
TEKTRONIX OSCILLOSCOPE	TDS 1012	C019167	Jan. 16, 2007
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.



4.4.1 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.

4.4.2 DEVIATION FROM TEST STANDARD

No deviation

4.4.3 TEST SETUP



4.4.4 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 (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 68%RH, 991hPa
TESTED BY	Match Tsui		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	36.644	15.64	30	PASS
6	2437	36.475	15.62	30	PASS
11	2462	37.670	15.76	30	PASS

802.11g OFDM modulation

MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120\/ac 60 Hz		25deg.C, 68%RH, 991hPa
TESTED BY	Match Tsui		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	28.774	14.59	30	PASS
6	2437	28.510	14.55	30	PASS
11	2462	31.769	15.02	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	FSP40	100040	Jun. 07, 2007

NOTE:

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

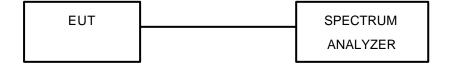
The transmitter output was connected to the spectrum analyzer through an attenuator, the bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3kHz RBW and 30kHz VBW, set sweep time = span/3kHz. The power spectral density was measured and recorded.

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 4.3.6



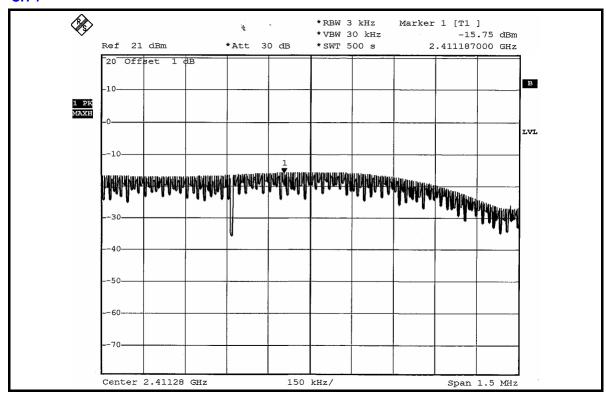
4.5.7 TEST RESULTS

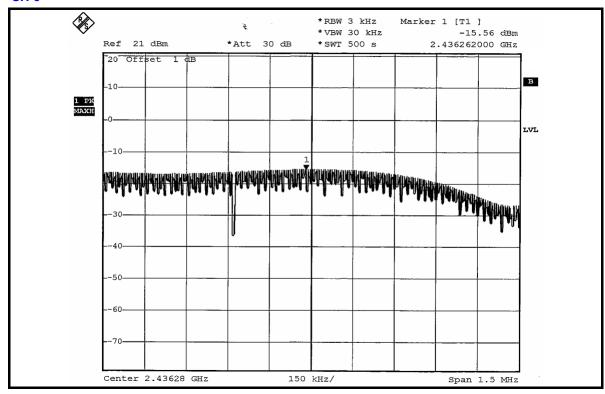
802.11b DSSS modulation

MODULATION TYPE	DBPSK	TRANSFER RATE	1Mbps
INPUT POWER (SYSTEM)	120\/ac 60 Hz		25deg.C, 68%RH, 991hPa
TESTED BY	Match Tsui		

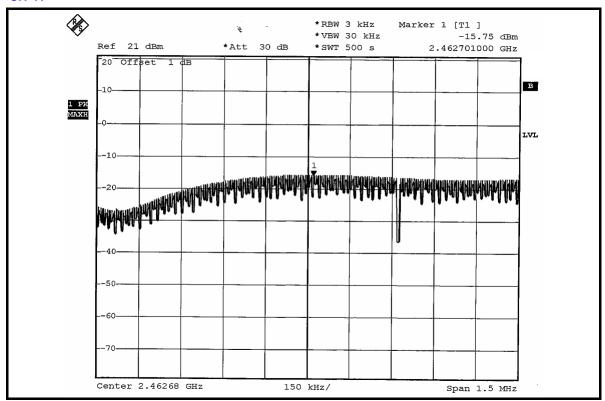
CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-15.75	8	PASS
6	2437	-15.56	8	PASS
11	2462	-15.75	8	PASS











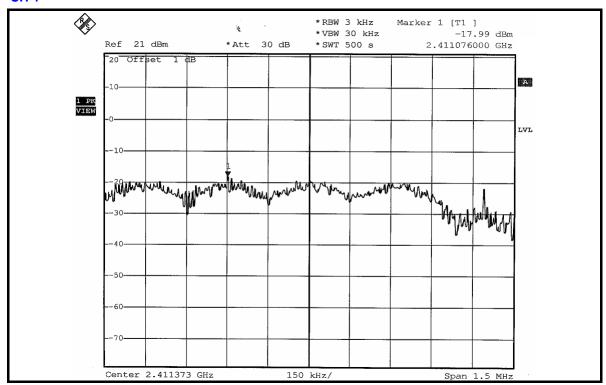


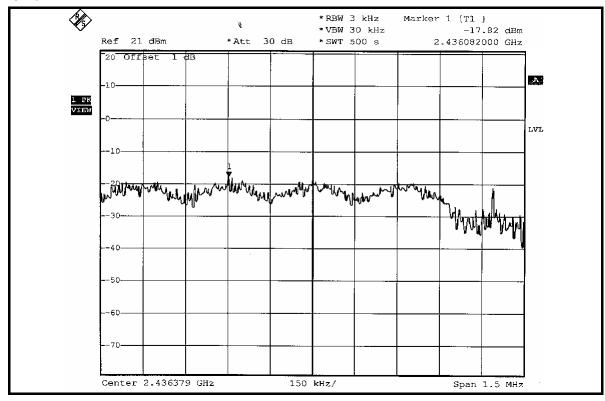
802.11g OFDM modulation

MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120\/ac 60 Hz		25deg.C, 68%RH, 991hPa
TESTED BY	Match Tsui		

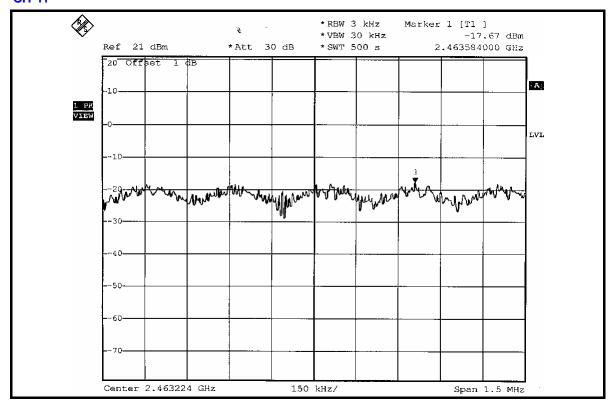
CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-17.99	8	PASS
6	2437	-17.82	8	PASS
11	2462	-17.67	8	PASS













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	FSP40	100040	Jun. 07, 2007

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

The spectrum plots (Peak RBW=VBW=100kHz; Average RBW=1MHz, VBW= 10Hz are attached on the following pages.

4.6.4 DEVIATION FROM TEST STANDARD

No deviation

4.6.5 EUT OPERATING CONDITION

Same as Item 4.3.6



4.6.6 TEST RESULTS

The spectrum plots are attached on the following 12 images. 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

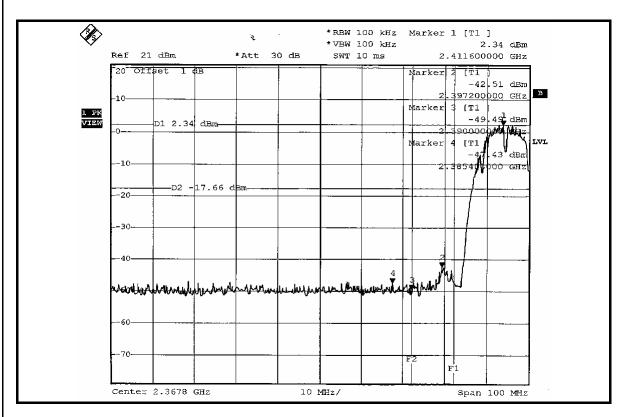
NOTE 1: The band edge emission plot on the next page shows 49.77dBc between carrier maximum power and local maximum emission in restrict band (2.3854GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 107.22dBuV/m (Peak), so the maximum field strength in restrict band is 107.22-49.77=57.45dBuV/m which is under 74dBuV/m limit.

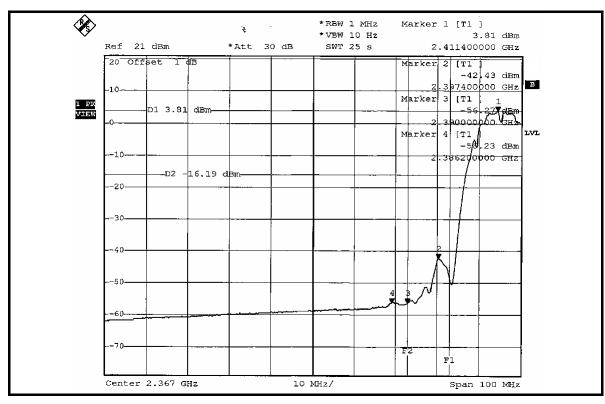
The band edge emission plot of on the next page shows 60.04dBc between carrier maximum power and local maximum emission in restrict band (2.3862GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 102.51dBuV/m (Average), so the maximum field strength in restrict band is 102.51-60.04=42.47dBuV/m which is under 54dBuV/m limit.

NOTE 2: The band edge emission plot on the next second page shows 49.71dBc between carrier maximum power and local maximum emission in restrict band (2.4857GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.7 is 106.74dBuV/m (Peak), so the maximum field strength in restrict band is 106.74-49.71=57.03dBuV/m which is under 74dBuV/m limit.

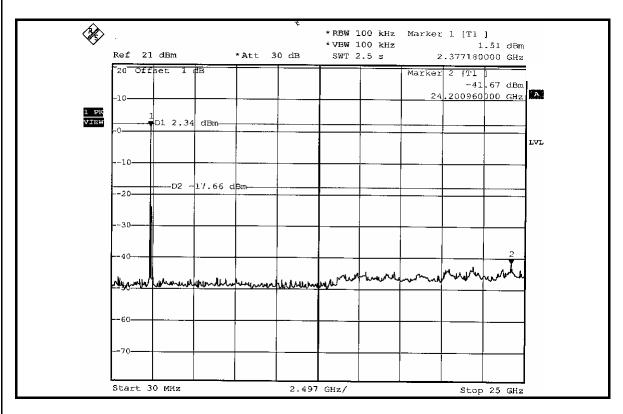
The band edge emission plot on the next third page shows 58.44dBc between carrier maximum power and local maximum emission in restrict band (2.4835GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.7 is 102.23dBuV/m (Average), so the maximum field strength in restrict band is 102.23-58.44=43.79dBuV/m which is under 54dBuV/m limit.

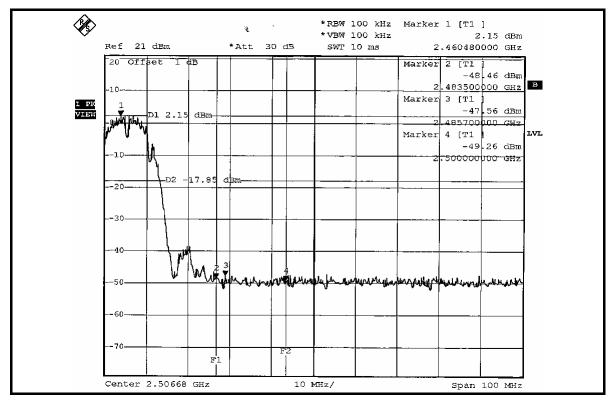




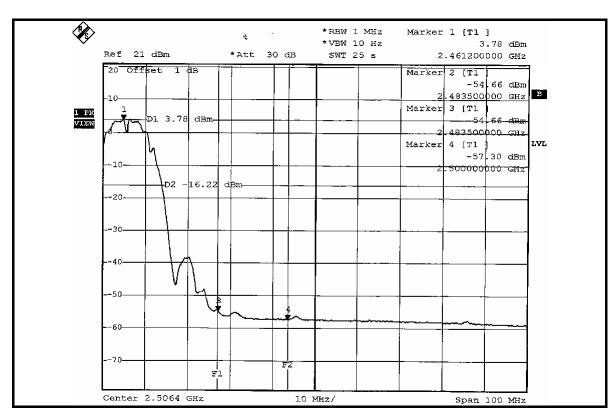


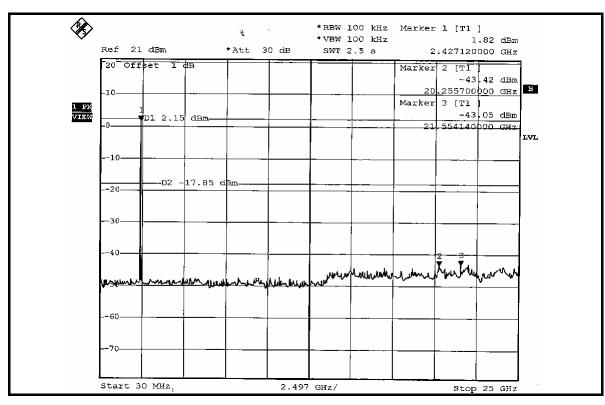














802.11g OFDM modulation

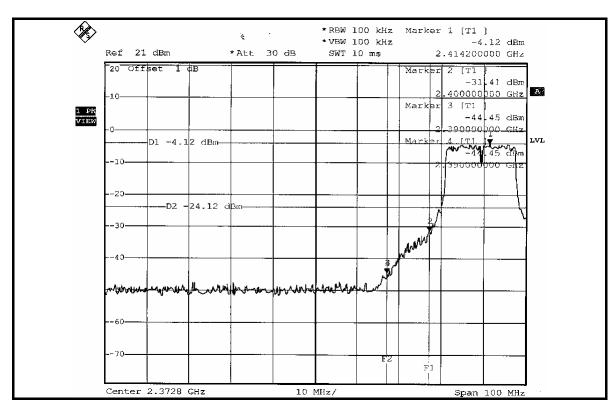
NOTE 1: The band edge emission plot on the next page shows 40.33dBc between carrier maximum power and local maximum emission in restrict band (2.3900GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 106.19dBuV/m (Peak), so the maximum field strength in restrict band is 106.19-40.33=65.86dBuV/m which is under 74dBuV/m limit.

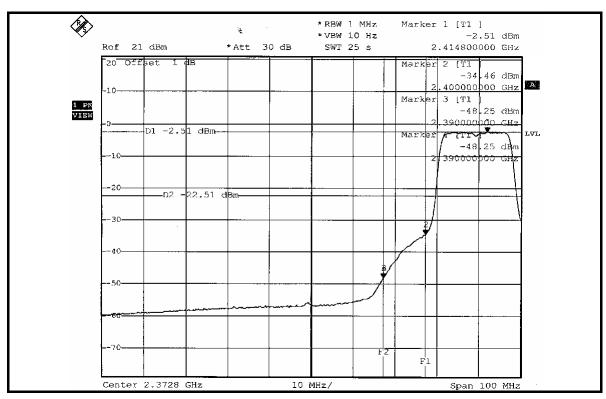
The band edge emission plot of on the next page shows 45.74dBc between carrier maximum power and local maximum emission in restrict band (2.3900GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 94.75dBuV/m (Average), so the maximum field strength in restrict band is 94.75-45.74=49.01dBuV/m which is under 54dBuV/m limit.

NOTE 2: The band edge emission plot on the next second page shows 38.78dBc 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 4.2.7 is 105.23dBuV/m (Peak), so the maximum field strength in restrict band is 105.23-38.78=66.45dBuV/m which is under 74dBuV/m limit.

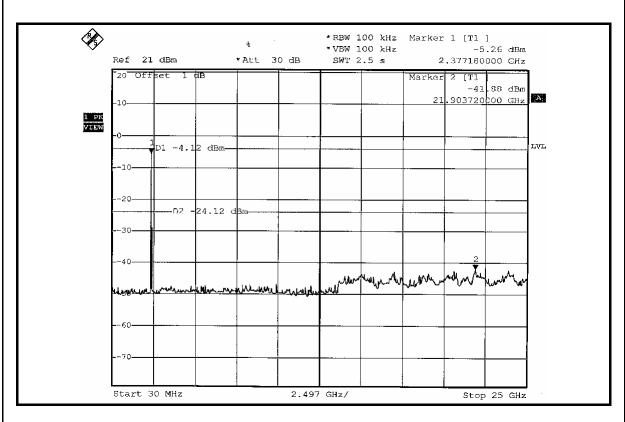
The band edge emission plot on the next third page shows 42.17dBc between carrier maximum power and local maximum emission in restrict band (2.4835GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.7 is 93.65dBuV/m (Average), so the maximum field strength in restrict band is 93.65-42.17=51.48dBuV/m which is under 54dBuV/m limit.

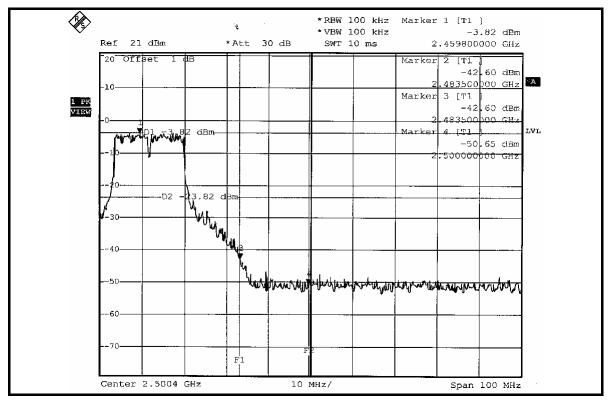




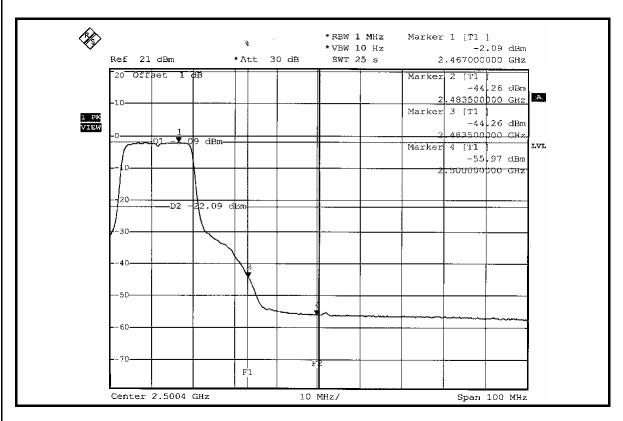


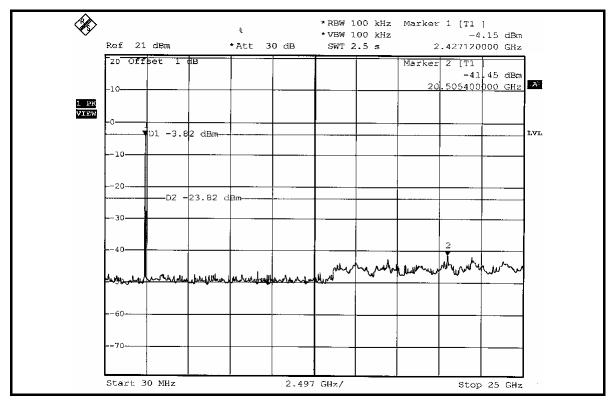














4.7 ANTENNA REQUIREMENT

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 with UFL connector. The maximum Gain of the antenna is 1.48dBi.



5. 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.

USA FCC, UL, A2LA TUV Rheinland

Japan VCCI Norway NEMKO

Canada INDUSTRY CANADA, CSA

R.O.C. CNLA, BSMI, NCC

Netherlands Telefication

Singapore PSB , 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: Hsin Chu EMC/RF Lab:

Tel: 886-2-26052180 Tel: 886-3-5935343 Fax: 886-2-26052943 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

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



APPENDIX-A

ALL ENDIX 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.		