



FCC TEST REPORT

REPORT NO.: RF960514L01

MODEL NO.: DIR-615 (refer to item 3.1 for more detail)

RECEIVED: May 11, 2007

TESTED: May 11 ~ May 18, 2007

ISSUED: Jun. 11, 2007

APPLICANT: D-Link Corporation

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ISSUED BY: Advance Data Technology Corporation

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1. CERTIFICATION

PRODUCT: D-Link DIR-615 Wireless N™ Router (refer to item 3.1 for more detail)

MODEL: DIR-615 (refer to item 3.1 for more detail)

BRAND: D-Link

APPLICANT: D-Link Corporation

TESTED: May 11 ~ May 18, 2007

TEST SAMPLE: ENGINEERING SAMPLE

STANDARDS: **FCC Part 15, Subpart C (Section 15.247),**
ANSI C63.4-2003

The above equipment (Model: DIR-615, DIR-625) 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 Hsia , **DATE:** Jun. 11, 2007
Andrea Hsia / Specialist

TECHNICAL
ACCEPTANCE : Long Chen , **DATE:** Jun. 11, 2007
Responsible for RF Long Chen / Senior Engineer

APPROVED BY : Gary Chang , **DATE:** Jun. 11, 2007
Gary Chang / Supervisor

2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart C			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -7.18dB at 0.162MHz.
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)	Transmitter Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit. Minimum passing margin is -1.87dB at 2390.00MHz.
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 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	3.59 dB
	200MHz ~ 1000MHz	3.61 dB
	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

PRODUCT	D-Link DIR-615 Wireless N™ Router (refer to note as below for more detail)
MODEL NO.	DIR-615 (refer to note as below for more detail)
FCC ID	KA2DIR615B2
POWER SUPPLY	5Vdc from AC Adapter
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
MODULATION TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	802.11b: 11/ 5.5/ 2/ 1Mbps 802.11g: 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6Mbps Draft 802.11n (20MHz): 144.444/ 130.000/ 115.556/ 86.667/ 57.778/ 43.333/ 28.889/ 14.444/ 72.2/ 65.0/ 57.8/ 43.3/ 28.9/ 21.7/ 14.4/ 7.2Mbps Draft 802.11n (40MHz): 300/ 270/ 240/ 180/ 120/ 90/ 60/ 30/ 150/ 135/ 120/ 90/ 60/ 45/ 30/ 15Mbps
FREQUENCY RANGE	2400MHz ~ 2483.5MHz
NUMBER OF CHANNEL	11 for 802.11b, 802.11g, draft 802.11n (20MHz) 7 for draft 802.11n (40MHz)
MAXIMUM OUTPUT POWER	96.134mW
ANTENNA TYPE	Dipole antenna with 2.0dBi gain
DATA CABLE	NA
I/O PORTS	USB console port, RJ45
ACCESSORY DEVICES	Adapter

NOTE:

1. The details of model no. listed as below:

BRAND	Product name	Model	Remark
D-Link	D-Link DIR-615 Wireless N™ Router	DIR-615	EUT without USB console port
	D-Link DIR-625 RangeBooster N™ Router	DIR-625	EUT with USB console port

2. The EUT were operated with following power adapters:

ADAPTER 1: (For DIR-615 & DIR-625)	
BRAND:	D-Link
MODEL:	AF1805-A
INPUT:	100-120Vac, 50-60Hz, 0.4A
OUTPUT:	5.0Vdc, 2.5A
POWER LINE:	1.8m non-shielded cable without core

ADAPTER 2: (For DIR-625 only)	
BRAND:	D-Link
MODEL:	AF1805-A
INPUT:	100-120Vac, 50-60Hz, 0.4A
OUTPUT:	5.0Vdc, 3.0A
POWER LINE:	1.8m non-shielded cable without core

3. The EUT incorporates a MIMO function with. Physically, the card provides two completed transmitters and two receivers.
4. The EUT is 2 * 2 spatial MIMO (2Tx & 2Rx) without beam forming function that only operate dual chain configuration (both chain 0 and chain 1 transceivers are operational).
5. When the EUT operating in 802.11b & 802.11g is for single Tx.
6. When the EUT operating in draft 802.11n, the software operation, which is defined by manufacturer, only set 0 ~ 15 of "MCS" (MCS: Modulation and Coding Schemes) for dual Tx.
7. The EUT complies with draft 802.11n standards and backwards compatible with 802.11b, 802.11g products.
8. The EUT operates in the 2.4GHz frequency spectrum with throughput of up to 300Mbps.
9. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 DESCRIPTION OF TEST MODES

Eleven channels are provided for 802.11b, 802.11g, draft 802.11n (20MHz):

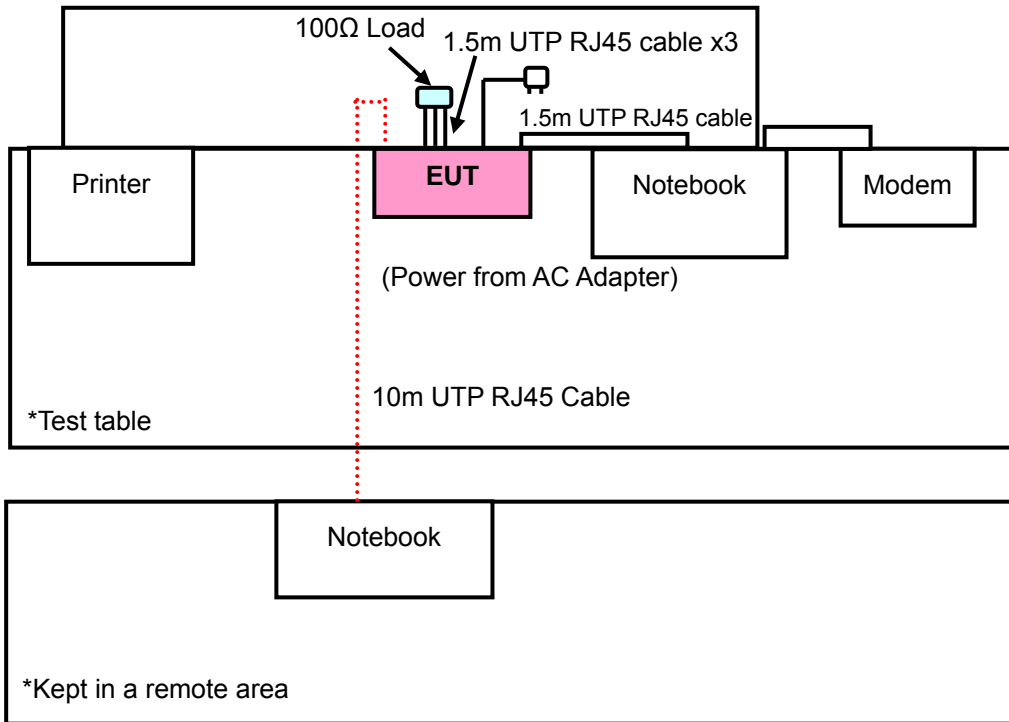
CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2412MHz	7	2442MHz
2	2417MHz	8	2447MHz
3	2422MHz	9	2452MHz
4	2427MHz	10	2457MHz
5	2432MHz	11	2462MHz
6	2437MHz		

Seven channels are provided for draft 802.11n (40MHz):

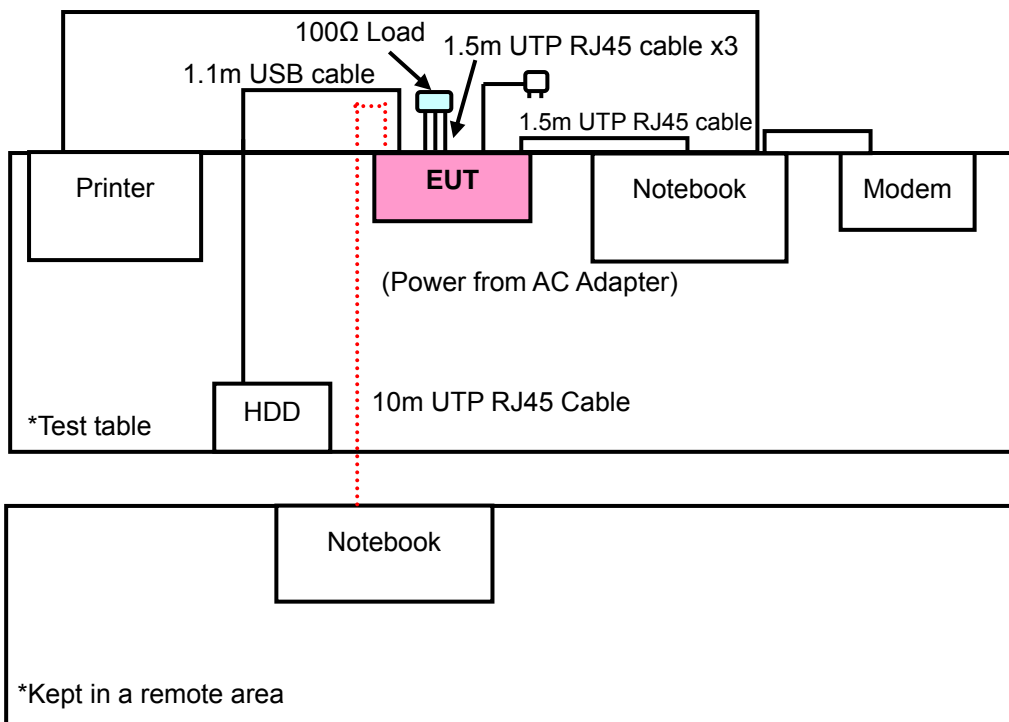
CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2422MHz	5	2442MHz
2	2427MHz	6	2447MHz
3	2432MHz	7	2452MHz
4	2437MHz		

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST

TEST MODE A



TEST MODE B & C



3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	PLC	RE < 1G	RE ≥ 1G	APCM	
A	√	√	-	-	Model: DIR-615
B	√	√	√	√	Model: DIR-625 (Adapter 1)
C	√	√	-	-	Model: DIR-625 (Adapter 2)

Where **PLC**: Power Line Conducted Emission

RE < 1G: Radiated Emission below 1GHz

RE ≥ 1G: Radiated Emission above 1GHz

APCM: Antenna Port Conducted Measurement

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)	TX CONDITION
A	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	Single
B	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	Single
C	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	Single
A	Draft 802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2	Dual
B	Draft 802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2	Dual
C	Draft 802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2	Dual
A	Draft 802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	15	Dual
B	Draft 802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	15	Dual
C	Draft 802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	15	Dual

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 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)	TX CONDITION
A	802.11g	1 to 11	1	OFDM	BPSK	6	Single
B	802.11g	1 to 11	1	OFDM	BPSK	6	Single
C	802.11g	1 to 11	1	OFDM	BPSK	6	Single
A	Draft 802.11n (20MHz)	1 to 11	1	OFDM	BPSK	7.2	Dual
B	Draft 802.11n (20MHz)	1 to 11	1	OFDM	BPSK	7.2	Dual
C	Draft 802.11n (20MHz)	1 to 11	1	OFDM	BPSK	7.2	Dual
A	Draft 802.11n (40MHz)	1 to 7	1	OFDM	BPSK	15	Dual
B	Draft 802.11n (40MHz)	1 to 7	1	OFDM	BPSK	15	Dual
C	Draft 802.11n (40MHz)	1 to 7	1	OFDM	BPSK	15	Dual

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 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)	TX CONDITION
B	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1	Single
B	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	Single
B	Draft 802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2	Dual
B	Draft 802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	15	Dual

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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX CONDITION
B	802.11b	1 to 11	1, 11	DSSS	DBPSK	1	Single
B	802.11g	1 to 11	1, 11	OFDM	BPSK	6	Single
B	Draft 802.11n (20MHz)	1 to 11	1, 11	OFDM	BPSK	7.2	Dual
B	Draft 802.11n (40MHz)	1 to 7	1, 7	OFDM	BPSK	15	Dual

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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX CONDITION
B	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1	Single
B	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6	Single
B	Draft 802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2	Dual
B	Draft 802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	15	Dual

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	DELL	PP05L	16484462992	E2K24CLNS
2	PRINTER	EPSON	LQ-300+	DCGY054147	FCC DoC Approved
3	MODEM	ACEEX	1414V/3	0401008269	IFAXDM1414
4	FIREWIRE HARD DRIVE	Terasys	F12-UF	A0100222-4A60001	FCC DoC Approved
5	100Ω LOAD	NA	NA	NA	NA
6	NOTEBOOK COMPUTER	DELL	PP05L	12130898320	E2K24CLNS

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	1.5m UTP RJ45 cable
2	1.2m shielded cable
3	1.3m shielded cable
4	1.1m shielded cable
5	1.5m UTP RJ45 cable x 3
6	10m UTP RJ45 cable

NOTE: 1. All power cords of the above support units are non shielded (1.8m).
2. Item 6 acted as communication partners to transfer data.

4. TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	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	100289	Dec. 07, 2007
RF signal cable Woken	5D-FB	Cable-HYC01-01	Jan. 06, 2008
LISN ROHDE & SCHWARZ	ESH3-Z5	100312	Feb. 13, 2008
LISN ROHDE & SCHWARZ	ESH2-Z5	100104	Sep. 14, 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 1.
 3. The VCCI Site Registration No. is C-2040.

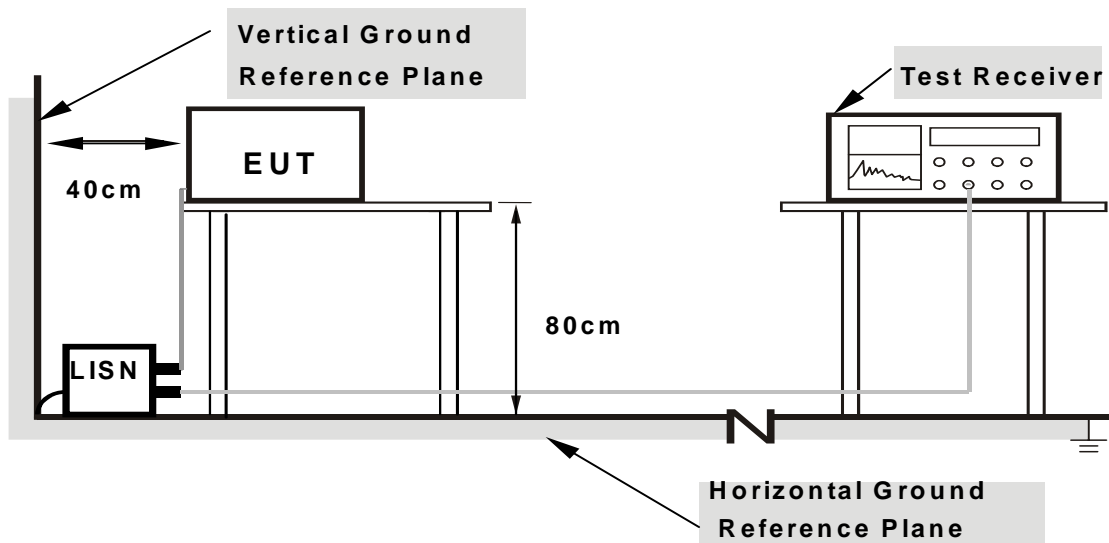
4.1.3 TEST PROCEDURES

- 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.

4.1.4 DEVIATION FROM TEST STANDARD

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

- a. Connected the EUT to the Notebook system and placed on a testing table.
- b. Prepared a notebook computer and placed it outside of testing area to act as communication partner for EUT.
- c. The Notebook system ran a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.
- d. The necessary accessories enable the EUT in full functions.

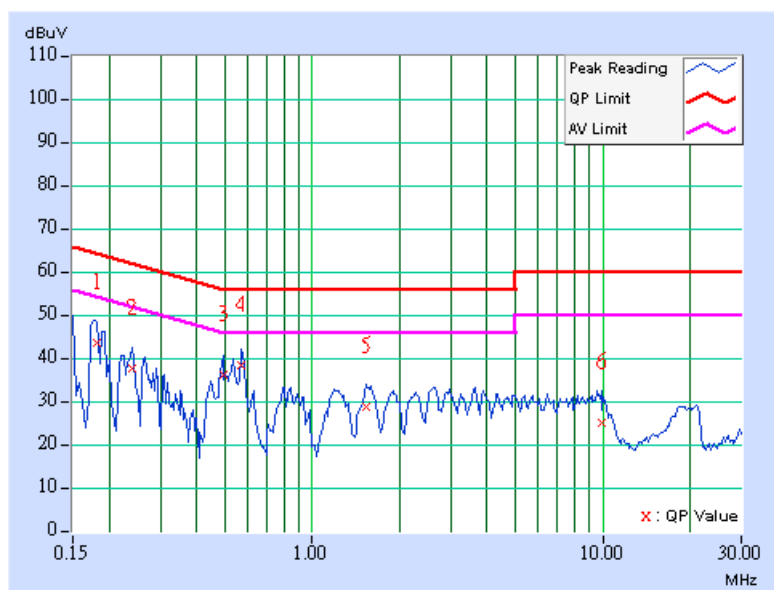
4.1.7 TEST RESULTS

CONDUCTED WORST-CASE DATA: 802.11g OFDM MODULATION: SINGLE TX:

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.182	0.21	43.25	-	43.46	-	64.37	54.37	-20.91	-
2	0.240	0.21	37.40	-	37.61	-	62.10	52.10	-24.49	-
3	0.494	0.21	35.75	-	35.96	-	56.10	46.10	-20.14	-
4	0.572	0.22	38.11	-	38.33	-	56.00	46.00	-17.67	-
5	1.543	0.25	28.45	-	28.70	-	56.00	46.00	-27.30	-
6	9.973	0.54	24.68	-	25.22	-	60.00	50.00	-34.78	-

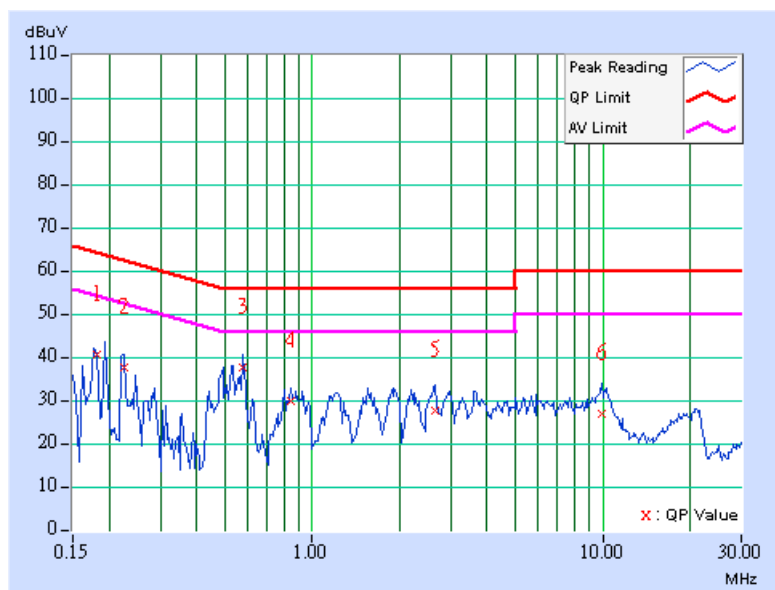
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.21	40.02	-	40.23	-	64.45	54.45	-24.23	-
2	0.224	0.21	37.16	-	37.37	-	62.66	52.66	-25.29	-
3	0.580	0.22	37.26	-	37.48	-	56.00	46.00	-18.52	-
4	0.841	0.23	29.47	-	29.70	-	56.00	46.00	-26.30	-
5	2.641	0.30	27.15	-	27.45	-	56.00	46.00	-28.55	-
6	9.949	0.54	26.60	-	27.14	-	60.00	50.00	-32.86	-

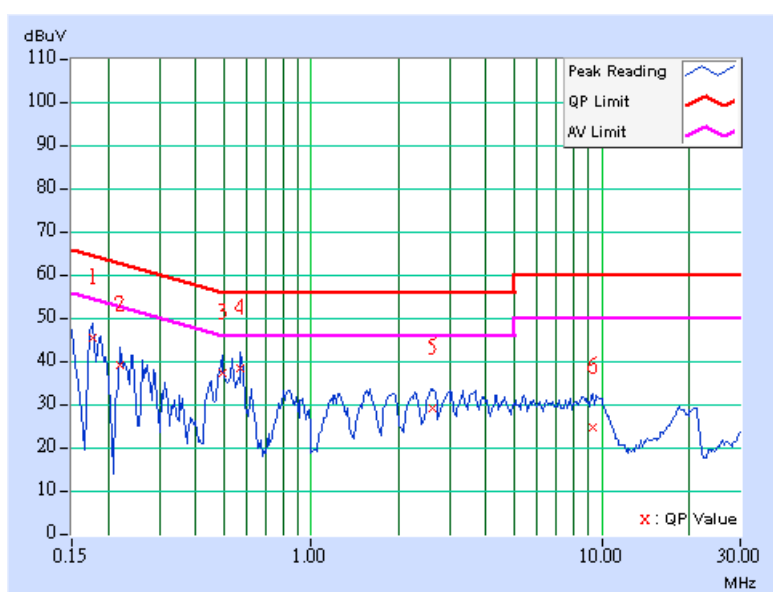
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.21	45.21	-	45.42	-	64.61	54.61	-19.19	-
2	0.220	0.21	38.77	-	38.98	-	62.81	52.81	-23.83	-
3	0.494	0.21	36.84	-	37.05	-	56.10	46.10	-19.05	-
4	0.572	0.22	37.82	-	38.04	-	56.00	46.00	-17.96	-
5	2.613	0.30	28.63	-	28.93	-	56.00	46.00	-27.07	-
6	9.270	0.52	24.15	-	24.67	-	60.00	50.00	-35.33	-

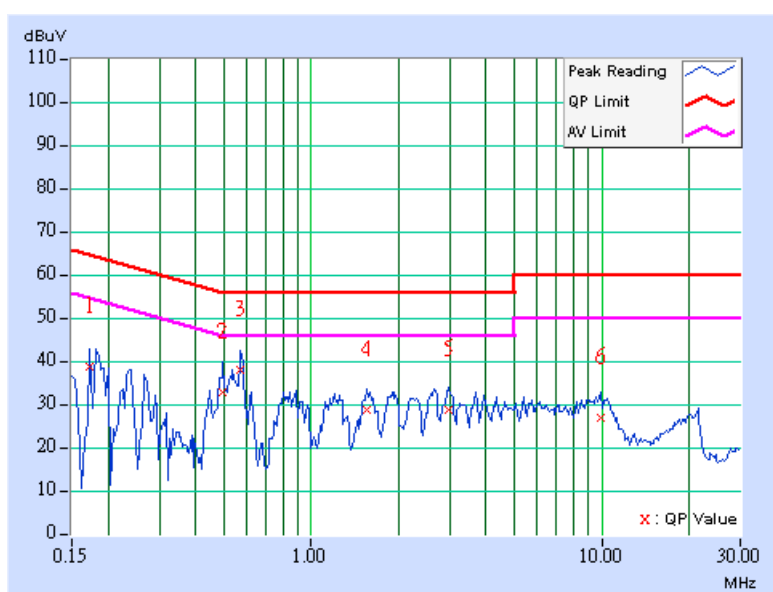
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.173	0.21	38.26	-	38.47	-	64.79	54.79	-26.33	-
2	0.498	0.21	32.42	-	32.63	-	56.04	46.04	-23.40	-
3	0.572	0.22	37.68	-	37.90	-	56.00	46.00	-18.10	-
4	1.547	0.25	28.39	-	28.64	-	56.00	46.00	-27.36	-
5	2.973	0.32	28.25	-	28.57	-	56.00	46.00	-27.43	-
6	9.922	0.54	26.54	-	27.08	-	60.00	50.00	-32.92	-

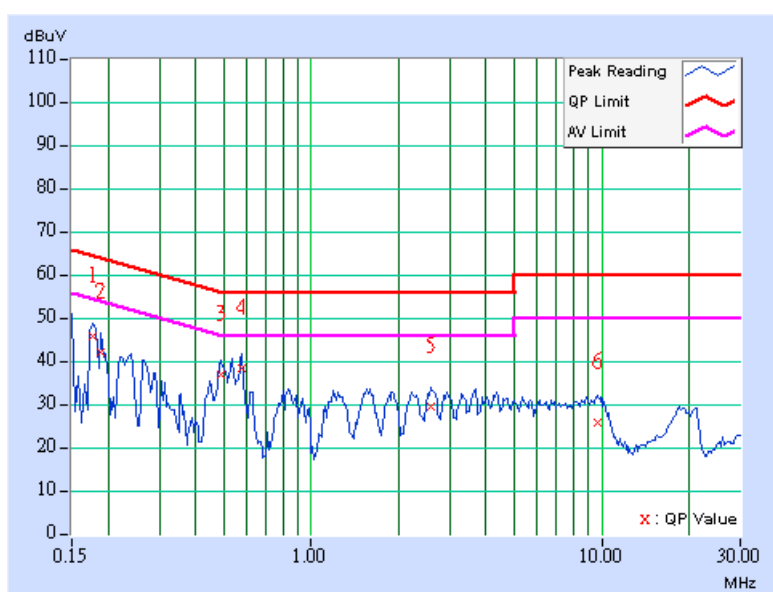
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.21	45.35	-	45.56	-	64.61	54.61	-19.05	-
2	0.189	0.21	41.60	-	41.81	-	64.08	54.08	-22.27	-
3	0.490	0.21	36.48	-	36.69	-	56.17	46.17	-19.48	-
4	0.580	0.22	37.92	-	38.14	-	56.00	46.00	-17.86	-
5	2.578	0.30	28.97	-	29.27	-	56.00	46.00	-26.73	-
6	9.633	0.53	25.30	-	25.83	-	60.00	50.00	-34.17	-

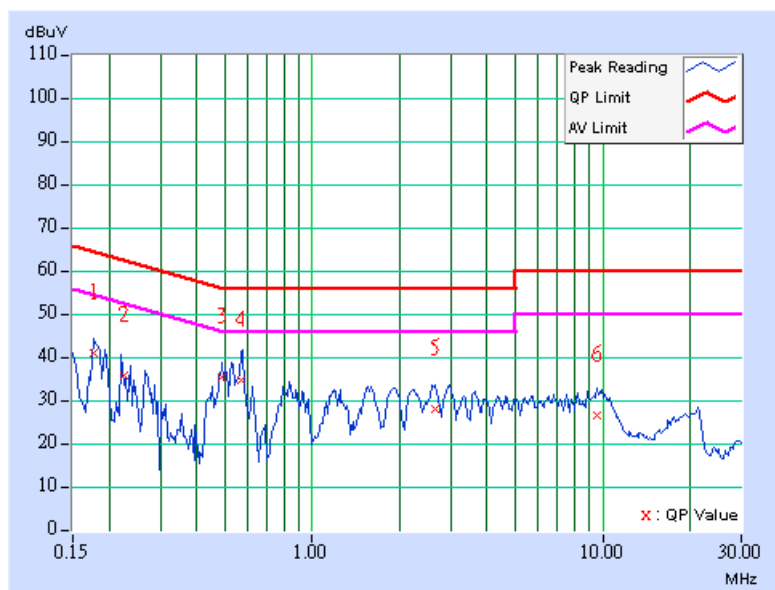
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.21	40.75	-	40.96	-	64.61	54.61	-23.65	-
2	0.226	0.21	35.41	-	35.62	-	62.59	52.59	-26.97	-
3	0.490	0.21	34.86	-	35.07	-	56.17	46.17	-21.10	-
4	0.568	0.22	34.47	-	34.69	-	56.00	46.00	-21.31	-
5	2.656	0.30	27.60	-	27.90	-	56.00	46.00	-28.10	-
6	9.570	0.53	26.08	-	26.61	-	60.00	50.00	-33.39	-

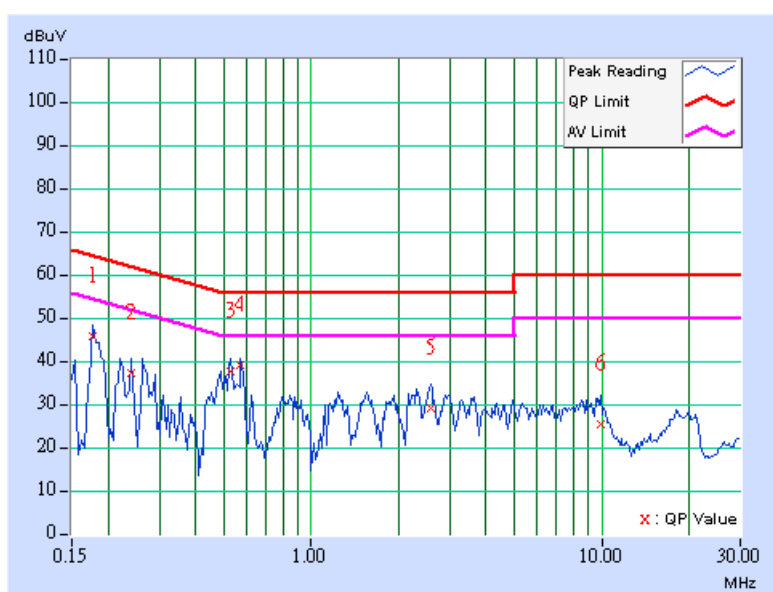
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.21	45.27	-	45.48	-	64.61	54.61	-19.13	-
2	0.240	0.21	36.96	-	37.17	-	62.10	52.10	-24.93	-
3	0.529	0.22	37.07	-	37.29	-	56.00	46.00	-18.71	-
4	0.572	0.22	38.81	-	39.03	-	56.00	46.00	-16.97	-
5	2.574	0.30	28.89	-	29.19	-	56.00	46.00	-26.81	-
6	9.902	0.54	25.18	-	25.72	-	60.00	50.00	-34.28	-

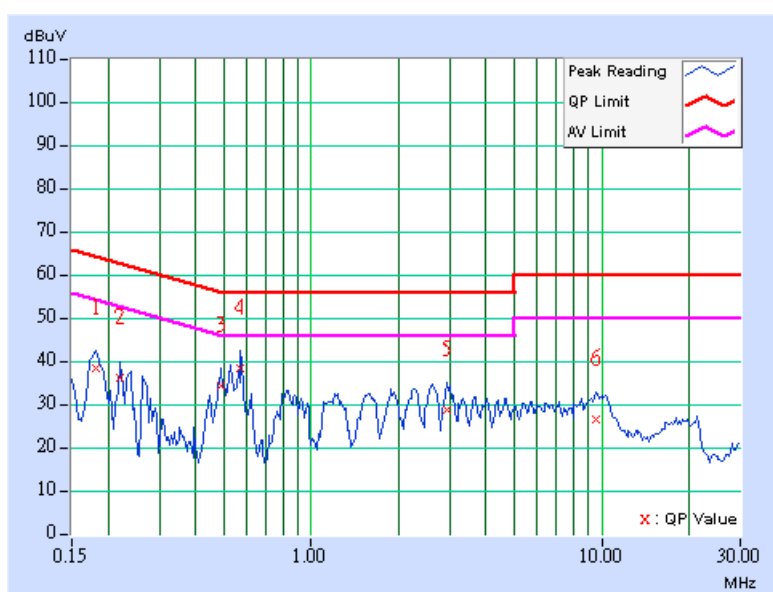
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.21	38.09	-	38.30	-	64.43	54.43	-26.13	-
2	0.220	0.21	35.62	-	35.83	-	62.81	52.81	-26.98	-
3	0.490	0.21	33.91	-	34.12	-	56.17	46.17	-22.05	-
4	0.572	0.22	37.94	-	38.16	-	56.00	46.00	-17.84	-
5	2.934	0.32	28.39	-	28.71	-	56.00	46.00	-27.29	-
6	9.574	0.53	26.27	-	26.80	-	60.00	50.00	-33.20	-

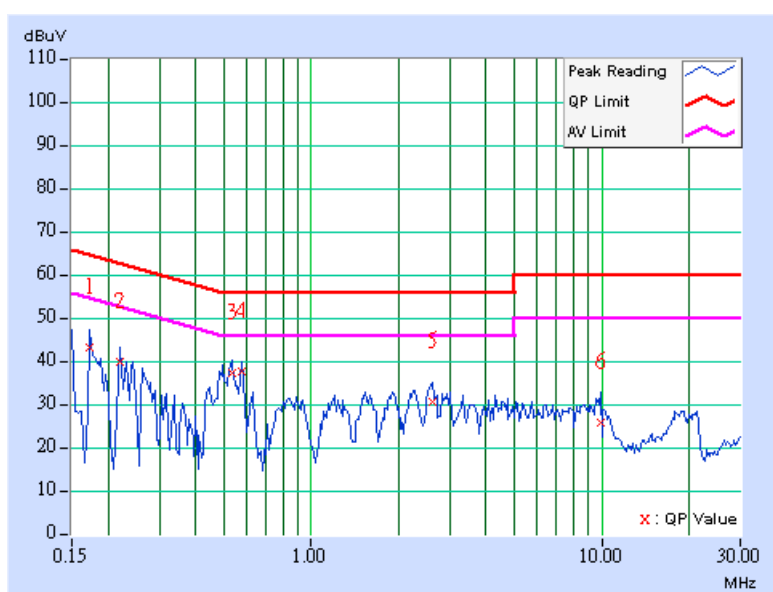
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.173	0.21	42.79	-	43.00	-	64.79	54.79	-21.80	-
2	0.220	0.21	39.32	-	39.53	-	62.81	52.81	-23.28	-
3	0.533	0.22	36.73	-	36.95	-	56.00	46.00	-19.05	-
4	0.580	0.22	37.40	-	37.62	-	56.00	46.00	-18.38	-
5	2.613	0.30	30.16	-	30.46	-	56.00	46.00	-25.54	-
6	9.957	0.54	25.30	-	25.84	-	60.00	50.00	-34.16	-

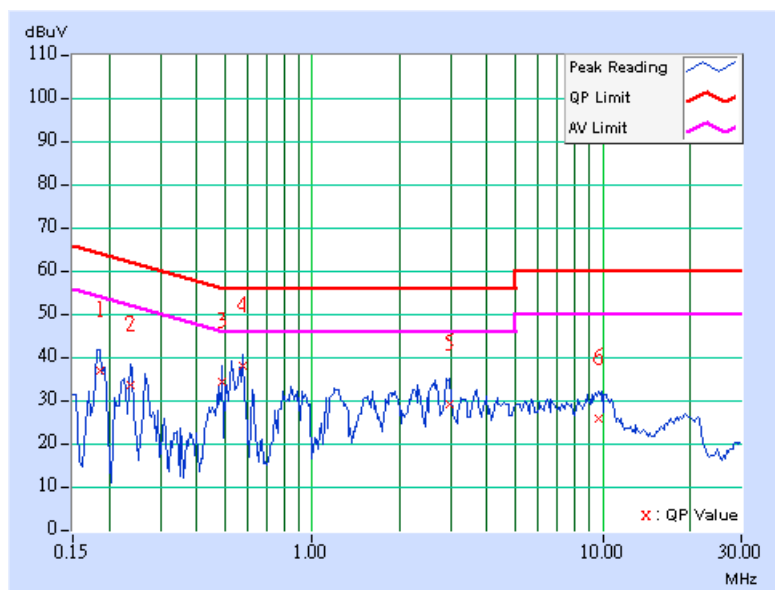
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.185	0.21	36.33	-	36.54	-	64.25	54.25	-27.71	-
2	0.236	0.21	33.20	-	33.41	-	62.24	52.24	-28.83	-
3	0.490	0.21	33.89	-	34.10	-	56.17	46.17	-22.07	-
4	0.576	0.22	37.64	-	37.86	-	56.00	46.00	-18.14	-
5	2.973	0.32	28.65	-	28.97	-	56.00	46.00	-27.03	-
6	9.680	0.53	25.35	-	25.88	-	60.00	50.00	-34.12	-

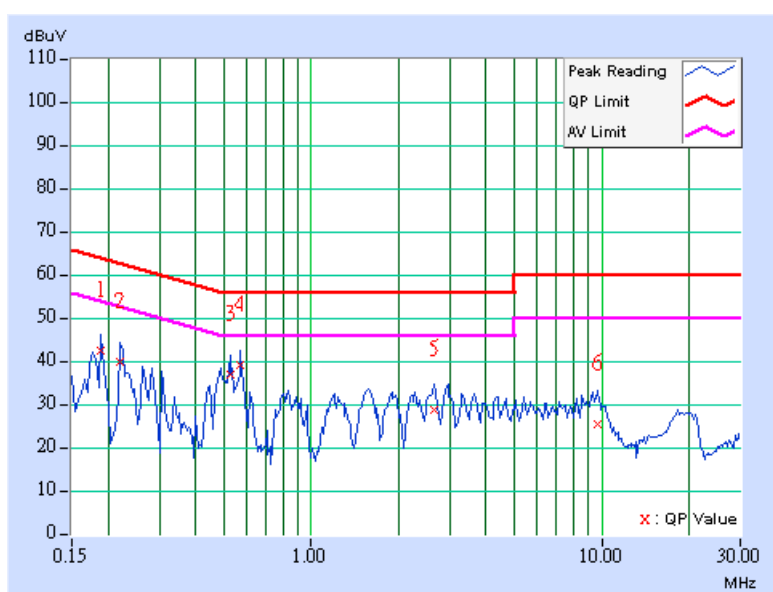
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.189	0.21	41.99	-	42.20	-	64.08	54.08	-21.88	-
2	0.220	0.21	39.48	-	39.69	-	62.81	52.81	-23.12	-
3	0.525	0.22	36.47	-	36.69	-	56.00	46.00	-19.31	-
4	0.572	0.22	38.69	-	38.91	-	56.00	46.00	-17.09	-
5	2.633	0.30	28.32	-	28.62	-	56.00	46.00	-27.38	-
6	9.656	0.53	25.03	-	25.56	-	60.00	50.00	-34.44	-

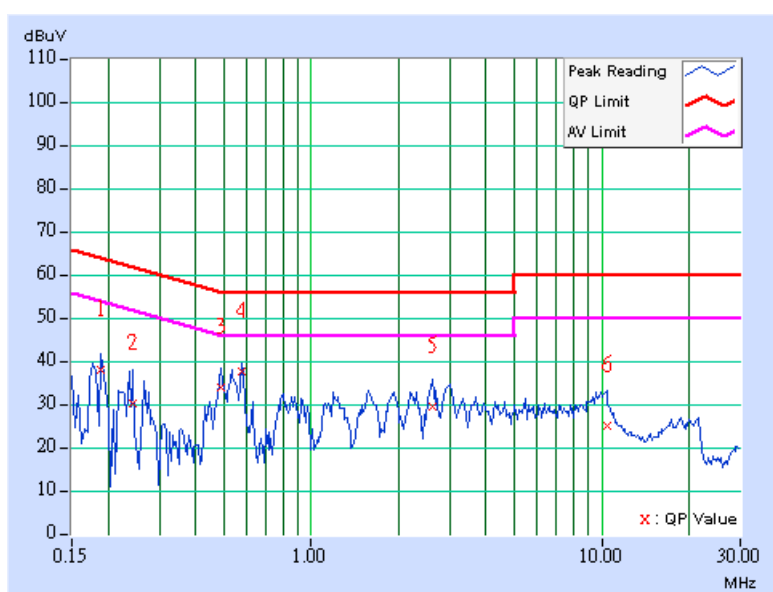
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.189	0.21	37.55	-	37.76	-	64.08	54.08	-26.32	-
2	0.244	0.21	29.81	-	30.02	-	61.97	51.97	-31.95	-
3	0.490	0.21	33.47	-	33.68	-	56.17	46.17	-22.49	-
4	0.576	0.22	37.40	-	37.62	-	56.00	46.00	-18.38	-
5	2.605	0.30	29.17	-	29.47	-	56.00	46.00	-26.53	-
6	10.391	0.53	24.70	-	25.23	-	60.00	50.00	-34.77	-

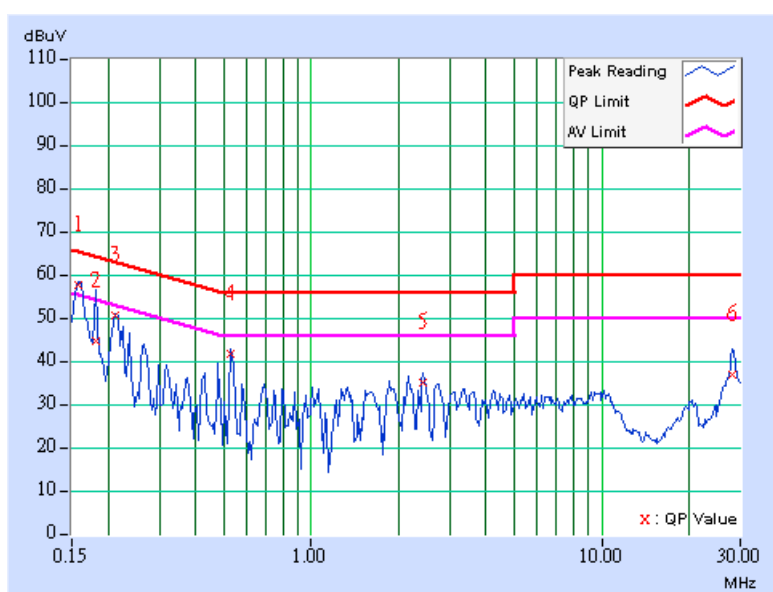
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6.0Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.21	56.06	44.04	56.27	44.25	65.58	55.58	-9.31	-11.33
2	0.181	0.21	43.00	-	43.21	-	64.43	54.43	-21.22	-
3	0.213	0.21	48.81	-	49.02	-	63.11	53.11	-14.09	-
4	0.530	0.22	40.16	-	40.38	-	56.00	46.00	-15.62	-
5	2.438	0.29	33.33	-	33.62	-	56.00	46.00	-22.38	-
6	28.246	1.78	35.33	-	37.11	-	60.00	50.00	-22.89	-

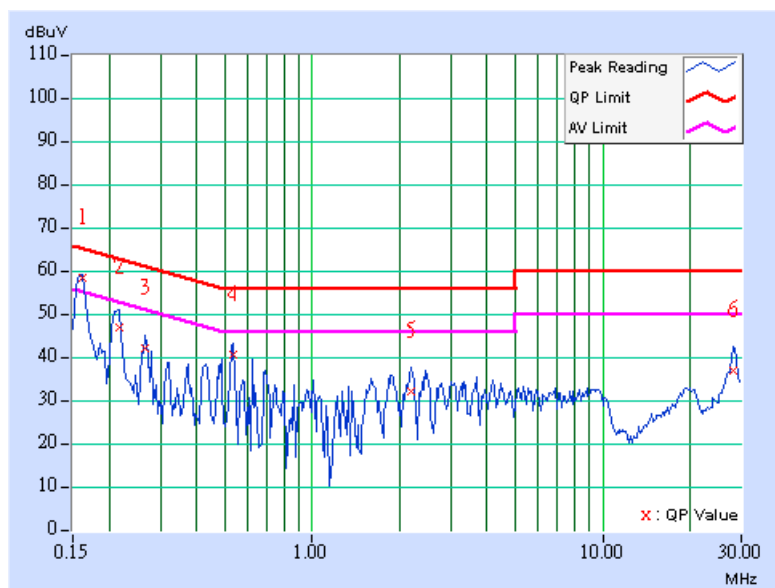
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6.0Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.162	0.21	57.99	44.75	58.20	44.96	65.38	55.38	-7.18	-10.42
2	0.216	0.21	46.39	-	46.60	-	62.96	52.96	-16.36	-
3	0.267	0.21	41.70	-	41.91	-	61.20	51.20	-19.29	-
4	0.533	0.22	40.06	-	40.28	-	56.00	46.00	-15.72	-
5	2.191	0.27	31.63	-	31.90	-	56.00	46.00	-24.10	-
6	28.160	0.56	36.50	-	37.06	-	60.00	50.00	-22.94	-

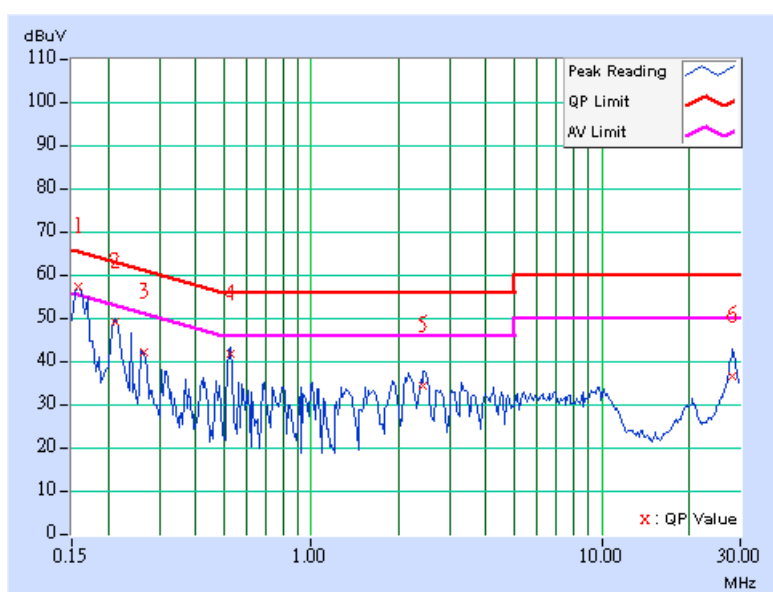
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6.0Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.21	55.45	43.67	55.66	43.88	65.58	55.58	-9.92	-11.70
2	0.213	0.21	47.44	-	47.65	-	63.11	53.11	-15.46	-
3	0.264	0.21	40.28	-	40.49	-	61.29	51.29	-20.80	-
4	0.529	0.22	40.18	-	40.40	-	56.00	46.00	-15.60	-
5	2.422	0.29	32.50	-	32.79	-	56.00	46.00	-23.21	-
6	28.258	1.78	34.99	-	36.77	-	60.00	50.00	-23.23	-

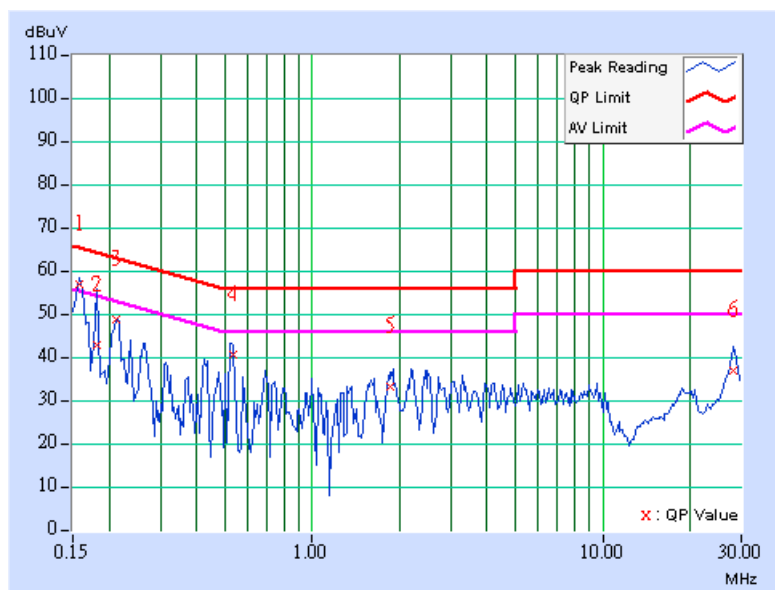
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6.0Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.21	56.31	45.61	56.52	45.82	65.58	55.58	-9.06	-9.76
2	0.181	0.21	42.47	-	42.68	-	64.43	54.43	-21.75	-
3	0.212	0.21	48.24	-	48.45	-	63.12	53.12	-14.67	-
4	0.533	0.22	40.18	-	40.40	-	56.00	46.00	-15.60	-
5	1.855	0.26	32.92	-	33.18	-	56.00	46.00	-22.82	-
6	28.137	0.56	36.54	-	37.10	-	60.00	50.00	-22.90	-

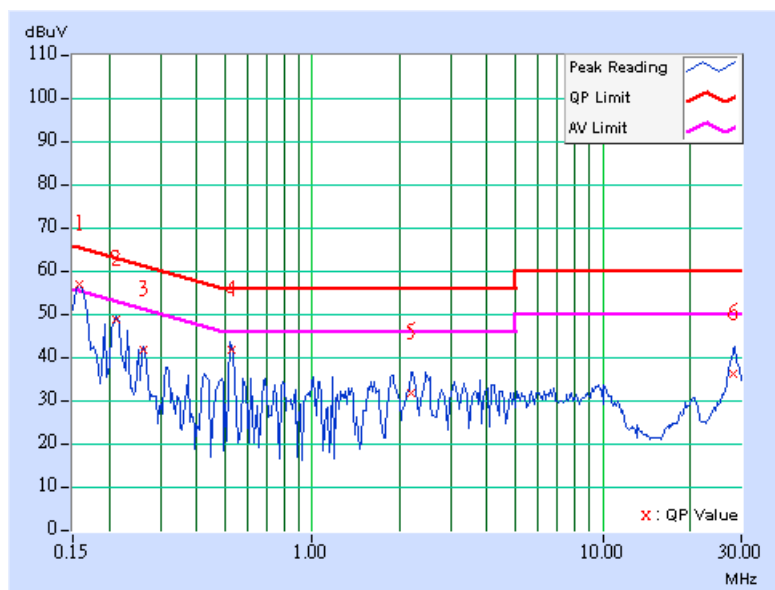
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6.0Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin [dB]	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.21	55.09	-	55.30	-	65.58	55.58	-10.28	-
2	0.213	0.21	46.96	-	47.17	-	63.11	53.11	-15.94	-
3	0.263	0.21	40.23	-	40.44	-	61.33	51.33	-20.89	-
4	0.529	0.22	40.14	-	40.36	-	56.00	46.00	-15.64	-
5	2.191	0.27	30.07	-	30.34	-	56.00	46.00	-25.66	-
6	28.145	1.77	34.63	-	36.40	-	60.00	50.00	-23.60	-

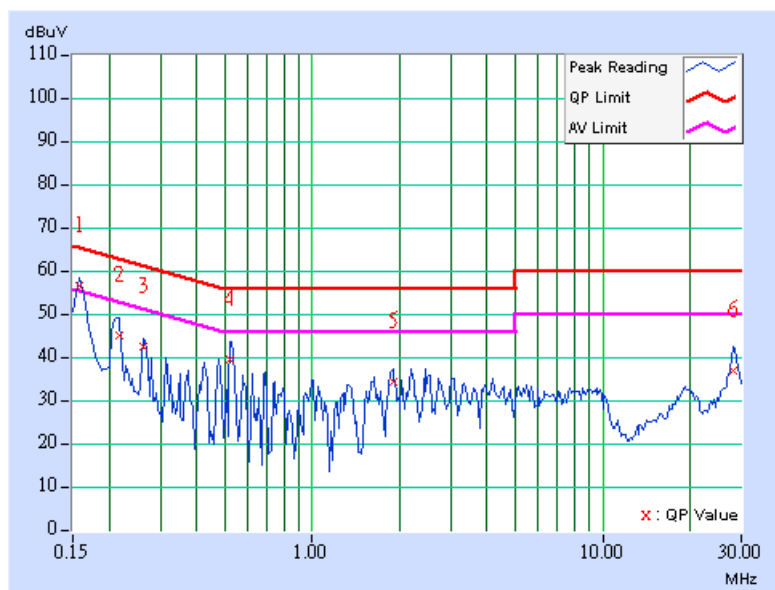
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	6.0Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.21	56.27	45.52	56.48	45.73	65.58	55.58	-9.10	-9.85
2	0.216	0.21	44.60	-	44.81	-	62.96	52.96	-18.15	-
3	0.263	0.21	42.09	-	42.30	-	61.33	51.33	-19.03	-
4	0.521	0.22	39.01	-	39.23	-	56.00	46.00	-16.77	-
5	1.902	0.26	34.04	-	34.30	-	56.00	46.00	-21.70	-
6	28.219	0.56	36.48	-	37.04	-	60.00	50.00	-22.96	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 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.

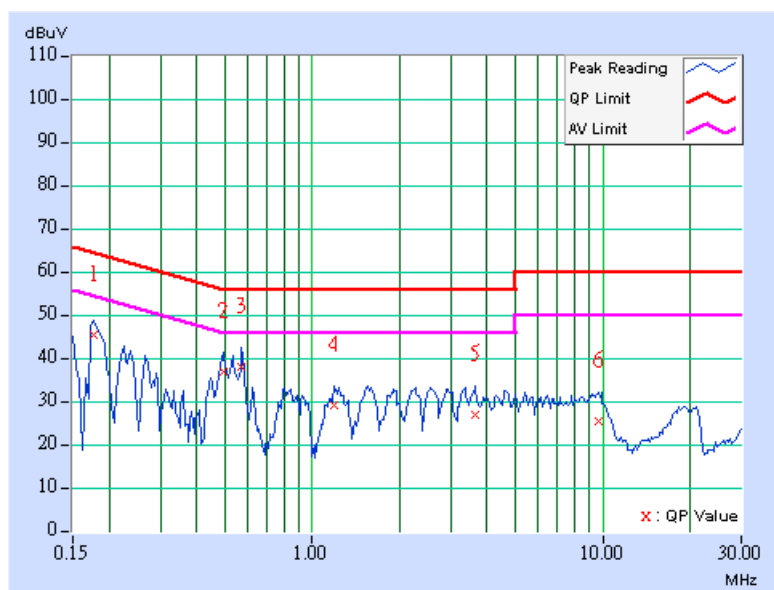


DRAFT 802.11n (20MHz) OFDM MODULATION: DUAL TX:

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.21	45.06	-	45.27	-	64.61	54.61	-19.34	-
2	0.494	0.21	36.48	-	36.69	-	56.10	46.10	-19.41	-
3	0.572	0.22	37.80	-	38.02	-	56.00	46.00	-17.98	-
4	1.191	0.24	28.55	-	28.79	-	56.00	46.00	-27.21	-
5	3.660	0.37	26.64	-	27.01	-	56.00	46.00	-28.99	-
6	9.633	0.53	24.85	-	25.38	-	60.00	50.00	-34.62	-

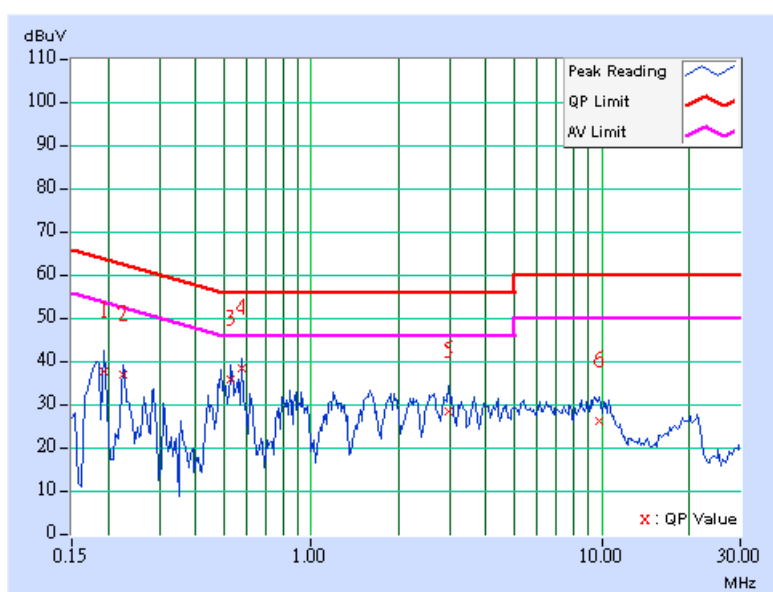
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	0.21	37.36	-	37.57	-	63.91	53.91	-26.34	-
2	0.224	0.21	36.33	-	36.54	-	62.66	52.66	-26.12	-
3	0.529	0.22	35.27	-	35.49	-	56.00	46.00	-20.51	-
4	0.576	0.22	38.03	-	38.25	-	56.00	46.00	-17.75	-
5	2.965	0.32	27.96	-	28.28	-	56.00	46.00	-27.72	-
6	9.820	0.54	25.68	-	26.22	-	60.00	50.00	-33.78	-

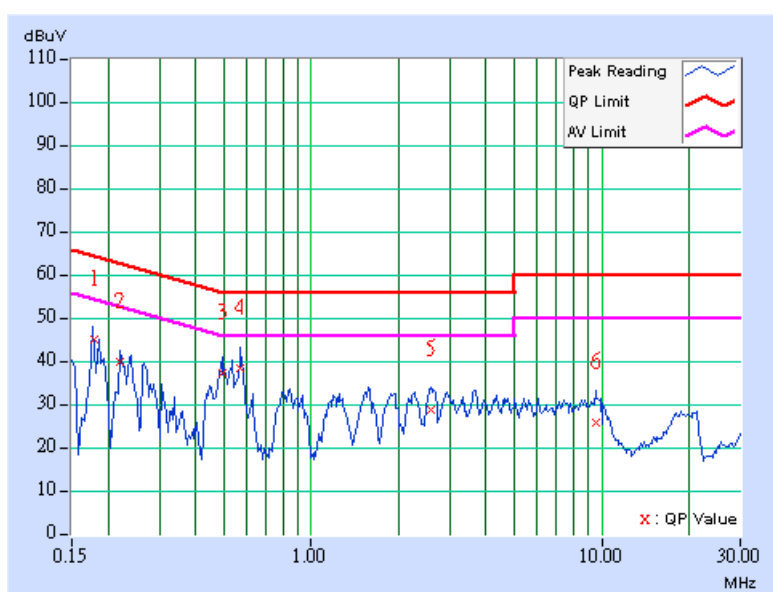
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.179	0.21	44.77	-	44.98	-	64.55	54.55	-19.57	-
2	0.220	0.21	39.47	-	39.68	-	62.81	52.81	-23.13	-
3	0.494	0.21	36.74	-	36.95	-	56.10	46.10	-19.15	-
4	0.572	0.22	38.01	-	38.23	-	56.00	46.00	-17.77	-
5	2.582	0.30	28.44	-	28.74	-	56.00	46.00	-27.26	-
6	9.535	0.53	25.25	-	25.78	-	60.00	50.00	-34.22	-

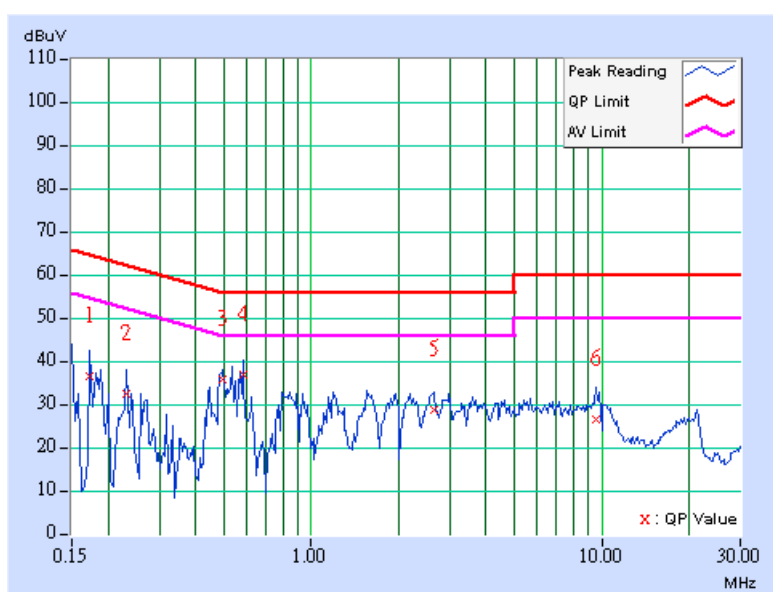
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.173	0.21	36.25	-	36.46	-	64.79	54.79	-28.34	-
2	0.232	0.21	32.08	-	32.29	-	62.38	52.38	-30.09	-
3	0.494	0.21	35.30	-	35.51	-	56.10	46.10	-20.59	-
4	0.584	0.22	36.33	-	36.55	-	56.00	46.00	-19.45	-
5	2.633	0.30	28.48	-	28.78	-	56.00	46.00	-27.22	-
6	9.586	0.53	26.14	-	26.67	-	60.00	50.00	-33.33	-

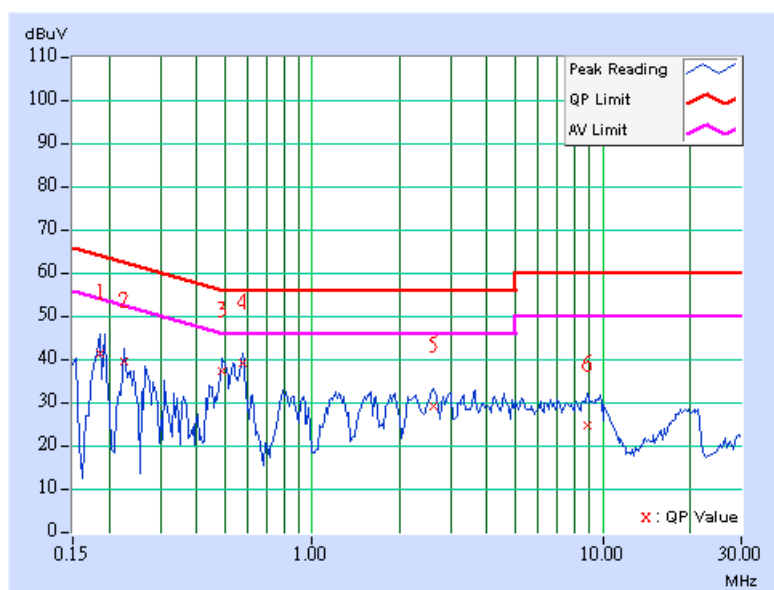
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.185	0.21	40.99	-	41.20	-	64.25	54.25	-23.05	-
2	0.224	0.21	39.23	-	39.44	-	62.66	52.66	-23.22	-
3	0.490	0.21	36.82	-	37.03	-	56.17	46.17	-19.14	-
4	0.576	0.22	38.75	-	38.97	-	56.00	46.00	-17.03	-
5	2.621	0.30	28.86	-	29.16	-	56.00	46.00	-26.84	-
6	8.840	0.51	24.37	-	24.88	-	60.00	50.00	-35.12	-

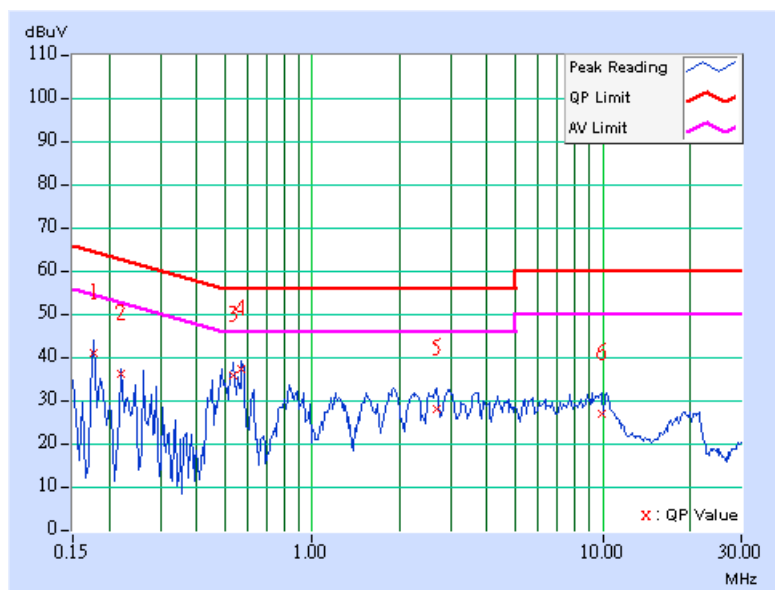
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.21	40.42	-	40.63	-	64.61	54.61	-23.98	-
2	0.220	0.21	35.70	-	35.91	-	62.81	52.81	-26.90	-
3	0.537	0.22	35.36	-	35.58	-	56.00	46.00	-20.42	-
4	0.572	0.22	36.69	-	36.91	-	56.00	46.00	-19.09	-
5	2.676	0.30	27.66	-	27.96	-	56.00	46.00	-28.04	-
6	9.887	0.54	26.37	-	26.91	-	60.00	50.00	-33.09	-

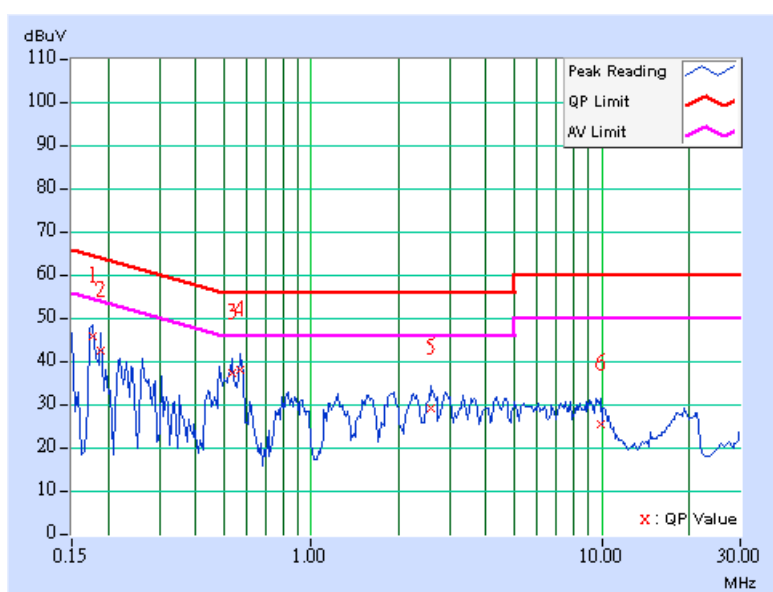
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.21	45.27	-	45.48	-	64.61	54.61	-19.13	-
2	0.189	0.21	41.93	-	42.14	-	64.08	54.08	-21.94	-
3	0.533	0.22	36.69	-	36.91	-	56.00	46.00	-19.09	-
4	0.568	0.22	37.50	-	37.72	-	56.00	46.00	-18.28	-
5	2.582	0.30	28.57	-	28.87	-	56.00	46.00	-27.13	-
6	9.922	0.54	25.02	-	25.56	-	60.00	50.00	-34.44	-

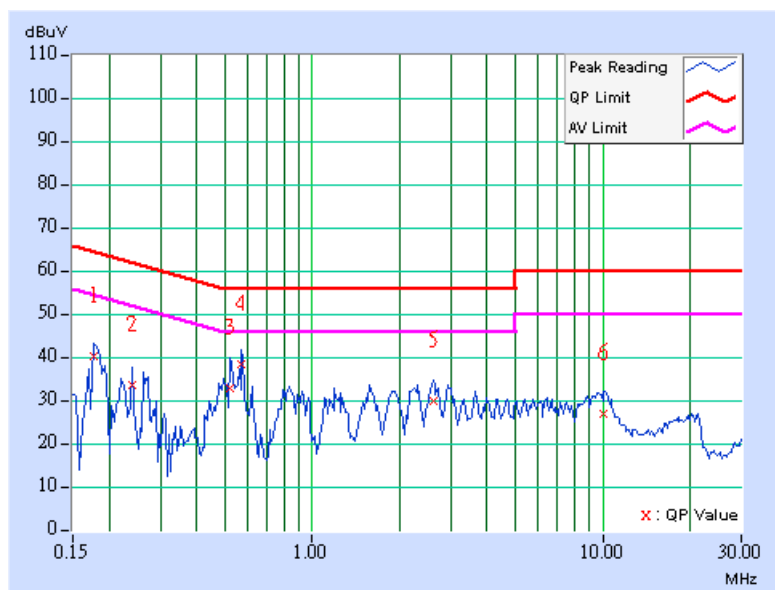
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.21	40.00	-	40.21	-	64.61	54.61	-24.40	-
2	0.240	0.21	33.10	-	33.31	-	62.10	52.10	-28.79	-
3	0.521	0.22	32.39	-	32.61	-	56.00	46.00	-23.39	-
4	0.572	0.22	37.98	-	38.20	-	56.00	46.00	-17.80	-
5	2.617	0.30	29.50	-	29.80	-	56.00	46.00	-26.20	-
6	10.000	0.54	26.32	-	26.86	-	60.00	50.00	-33.14	-

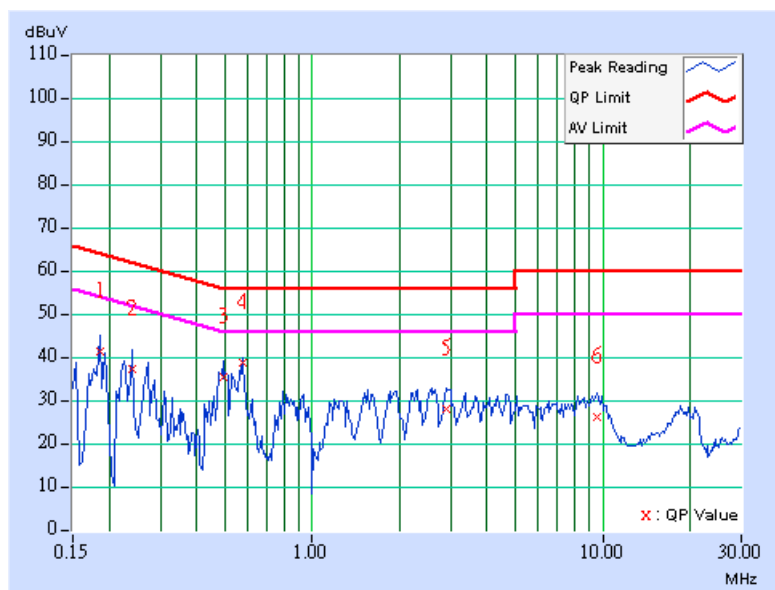
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.185	0.21	40.77	-	40.98	-	64.25	54.25	-23.27	-
2	0.240	0.21	36.96	-	37.17	-	62.10	52.10	-24.93	-
3	0.494	0.21	35.10	-	35.31	-	56.10	46.10	-20.79	-
4	0.576	0.22	38.45	-	38.67	-	56.00	46.00	-17.33	-
5	2.906	0.32	27.80	-	28.12	-	56.00	46.00	-27.88	-
6	9.621	0.53	25.72	-	26.25	-	60.00	50.00	-33.75	-

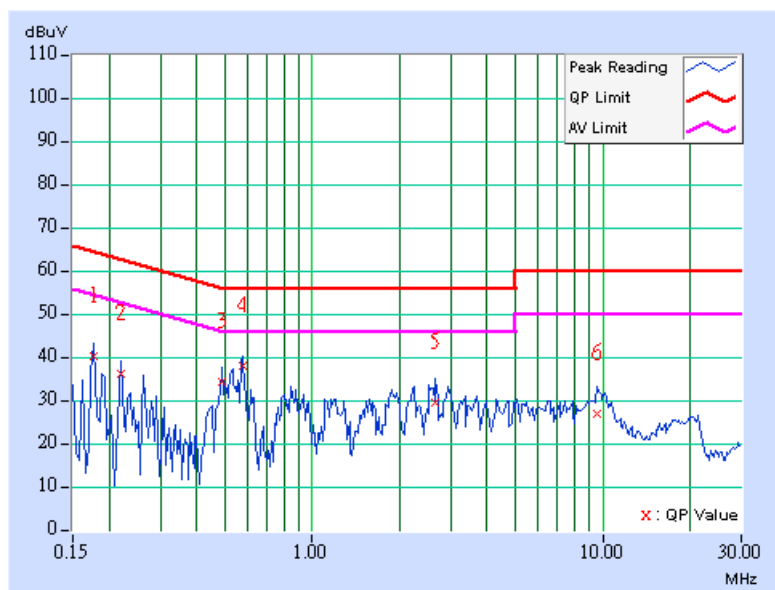
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.21	39.86	-	40.07	-	64.61	54.61	-24.54	-
2	0.220	0.21	35.68	-	35.89	-	62.81	52.81	-26.92	-
3	0.490	0.21	33.83	-	34.04	-	56.17	46.17	-22.13	-
4	0.576	0.22	37.54	-	37.76	-	56.00	46.00	-18.24	-
5	2.660	0.30	29.01	-	29.31	-	56.00	46.00	-26.69	-
6	9.570	0.53	26.39	-	26.92	-	60.00	50.00	-33.08	-

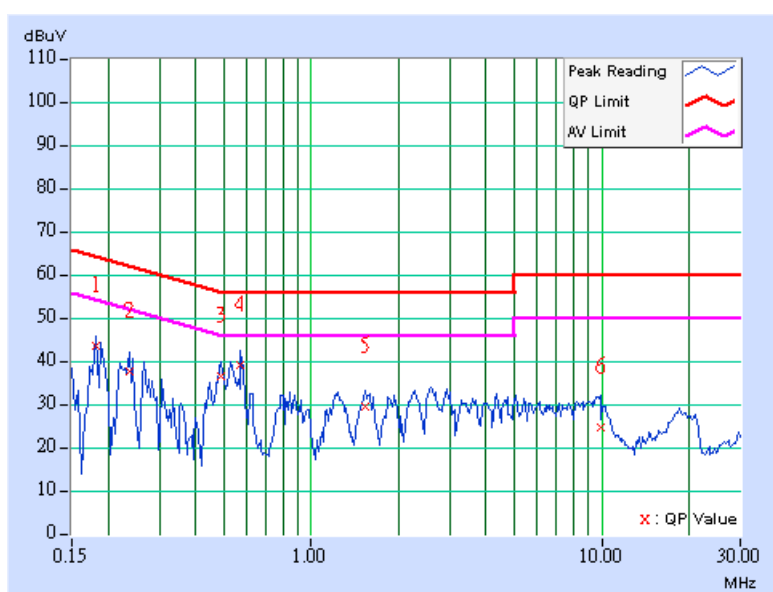
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.21	43.12	-	43.33	-	64.43	54.43	-21.10	-
2	0.236	0.21	37.21	-	37.42	-	62.24	52.24	-24.82	-
3	0.490	0.21	36.30	-	36.51	-	56.17	46.17	-19.66	-
4	0.572	0.22	38.73	-	38.95	-	56.00	46.00	-17.05	-
5	1.539	0.25	28.99	-	29.24	-	56.00	46.00	-26.76	-
6	9.875	0.54	24.40	-	24.94	-	60.00	50.00	-35.06	-

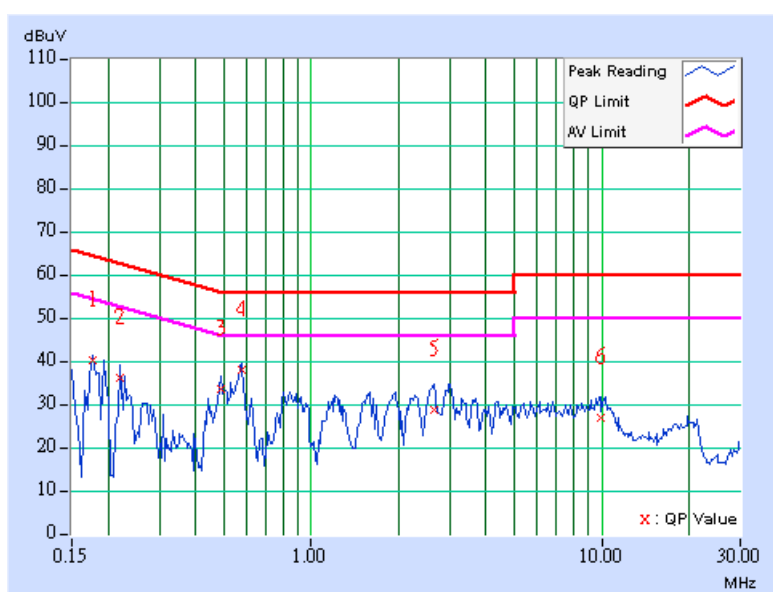
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.21	39.92	-	40.13	-	64.61	54.61	-24.48	-
2	0.220	0.21	35.74	-	35.95	-	62.81	52.81	-26.86	-
3	0.486	0.21	33.32	-	33.53	-	56.24	46.24	-22.70	-
4	0.576	0.22	37.58	-	37.80	-	56.00	46.00	-18.20	-
5	2.637	0.30	28.46	-	28.76	-	56.00	46.00	-27.24	-
6	9.875	0.54	26.49	-	27.03	-	60.00	50.00	-32.97	-

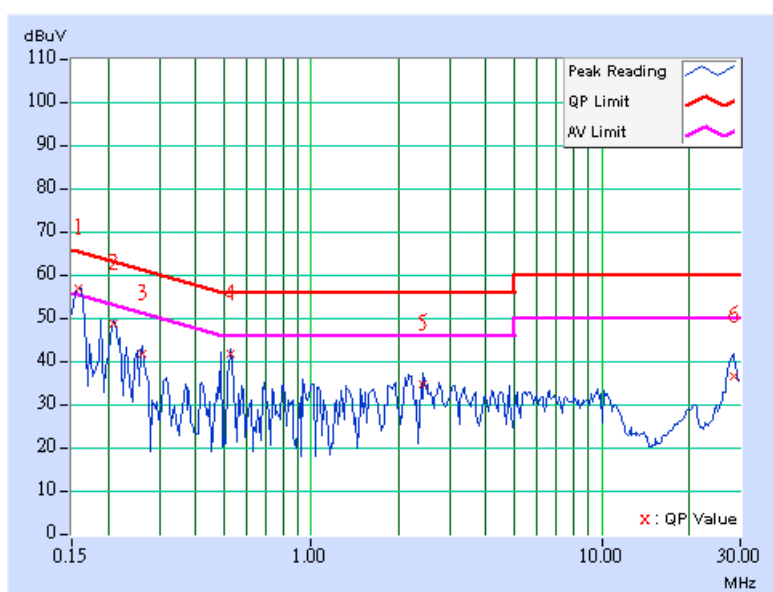
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.21	55.15	-	55.36	-	65.58	55.58	-10.22	-
2	0.209	0.21	47.03	-	47.24	-	63.26	53.26	-16.02	-
3	0.263	0.21	40.17	-	40.38	-	61.33	51.33	-20.95	-
4	0.529	0.22	40.12	-	40.34	-	56.00	46.00	-15.66	-
5	2.422	0.29	32.90	-	33.19	-	56.00	46.00	-22.81	-
6	28.414	1.80	34.80	-	36.60	-	60.00	50.00	-23.40	-

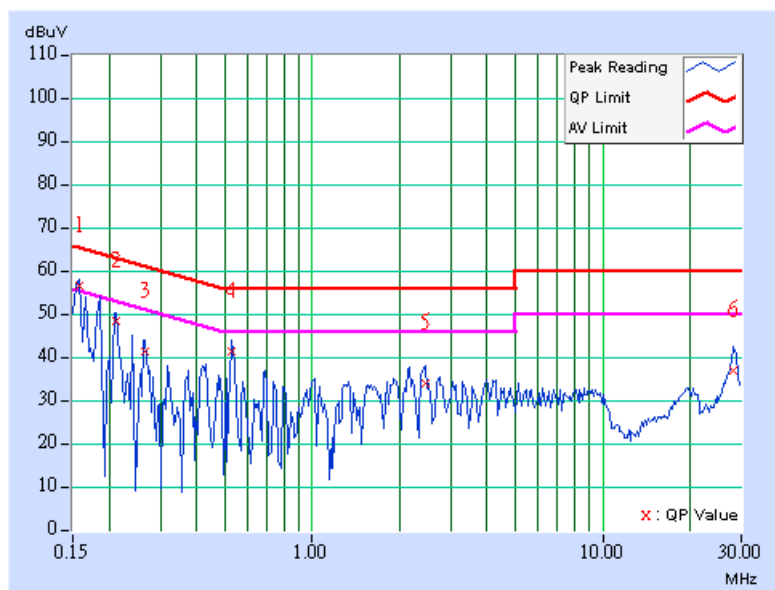
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.158	0.21	56.01	45.47	56.22	45.68	65.58
2	0.213	0.21	48.10	-	48.31	-	63.11	53.11	-14.80	-
3	0.267	0.21	40.79	-	41.00	-	61.20	51.20	-20.20	-
4	0.529	0.22	40.88	-	41.10	-	56.00	46.00	-14.90	-
5	2.441	0.29	33.49	-	33.78	-	56.00	46.00	-22.22	-
6	28.215	0.56	36.39	-	36.95	-	60.00	50.00	-23.05	-

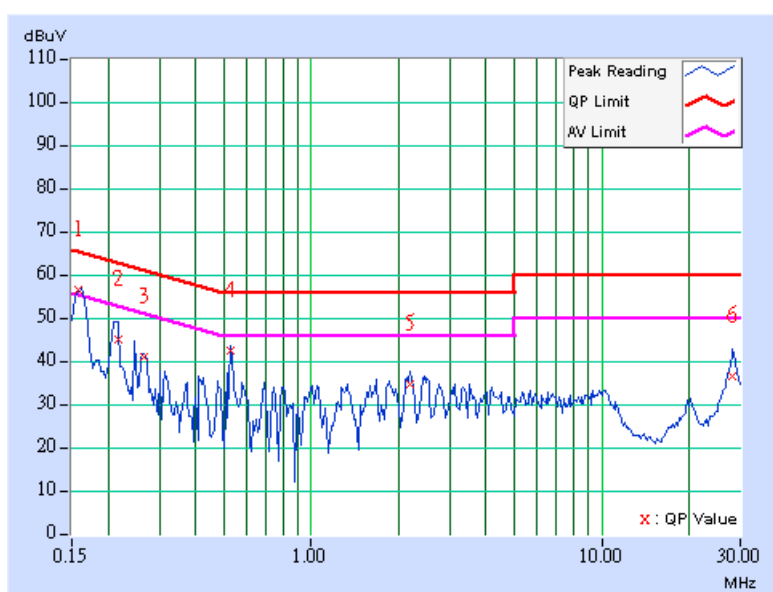
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.21	54.93	-	55.14	-	65.58	55.58	-10.45	-
2	0.216	0.21	43.35	-	43.56	-	62.96	52.96	-19.40	-
3	0.266	0.21	39.35	-	39.56	-	61.25	51.25	-21.69	-
4	0.525	0.22	40.83	-	41.05	-	56.00	46.00	-14.95	-
5	2.180	0.27	32.88	-	33.15	-	56.00	46.00	-22.85	-
6	28.250	1.78	34.85	-	36.63	-	60.00	50.00	-23.37	-

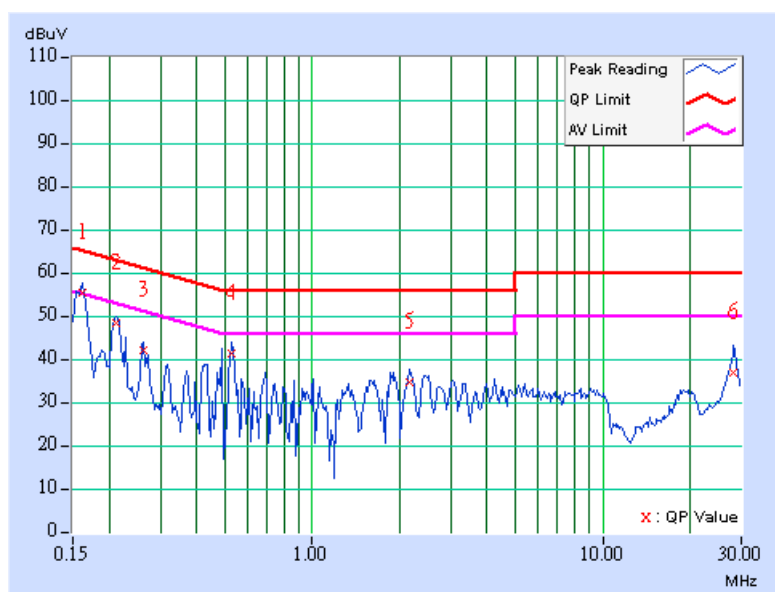
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.162	0.21	55.01	-	55.22	-	65.38
2	0.213	0.21	47.97	-	48.18	-	63.11	53.11	-14.93	-
3	0.263	0.21	41.78	-	41.99	-	61.33	51.33	-19.34	-
4	0.525	0.22	40.81	-	41.03	-	56.00	46.00	-14.97	-
5	2.176	0.27	34.24	-	34.51	-	56.00	46.00	-21.49	-
6	28.133	0.56	36.47	-	37.03	-	60.00	50.00	-22.97	-

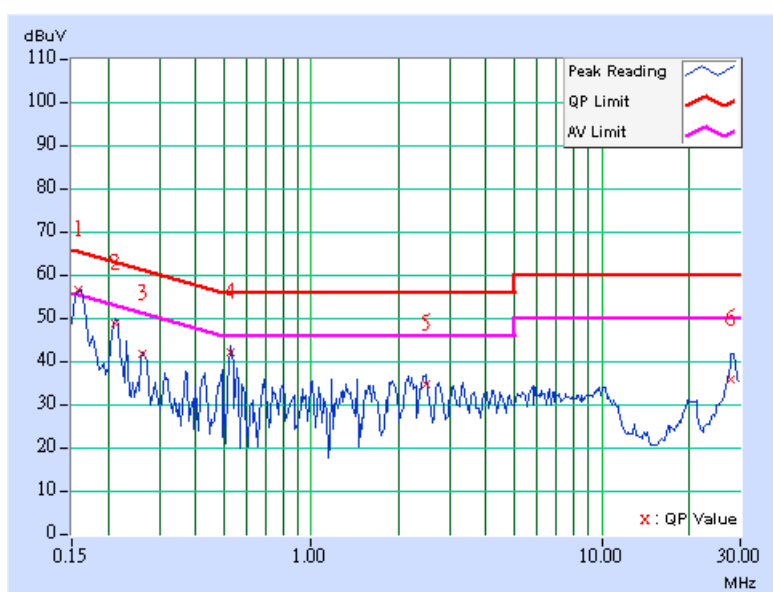
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
	[MHz]	Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
		(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.21	54.91	-	55.12	-	65.58	55.58	-10.46	-
2	0.213	0.21	47.22	-	47.43	-	63.11	53.11	-15.68	-
3	0.263	0.21	40.01	-	40.22	-	61.33	51.33	-21.11	-
4	0.525	0.22	40.56	-	40.78	-	56.00	46.00	-15.22	-
5	2.488	0.29	32.99	-	33.28	-	56.00	46.00	-22.72	-
6	27.961	1.75	34.24	-	35.99	-	60.00	50.00	-24.01	-

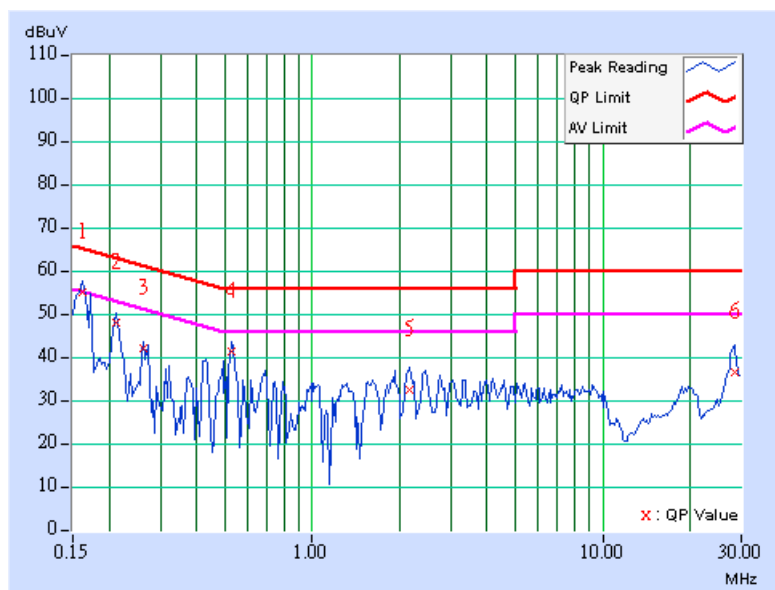
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	7.2Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.162	0.21	54.51	-	54.72	-	65.38	55.38	-10.66	-
2	0.213	0.21	47.71	-	47.92	-	63.11	53.11	-15.19	-
3	0.263	0.21	41.60	-	41.81	-	61.33	51.33	-19.52	-
4	0.525	0.22	40.97	-	41.19	-	56.00	46.00	-14.81	-
5	2.160	0.27	31.90	-	32.17	-	56.00	46.00	-23.83	-
6	28.391	0.56	35.99	-	36.55	-	60.00	50.00	-23.45	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 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.

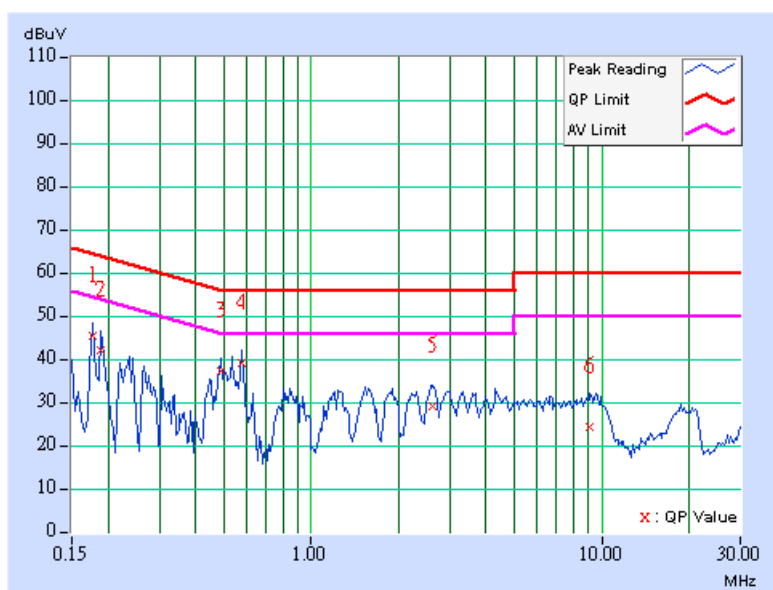


DRAFT 802.11n (40MHz) OFDM MODULATION: DUAL TX:

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.21	45.08	-	45.29	-	64.61	54.61	-19.32	-
2	0.189	0.21	41.70	-	41.91	-	64.08	54.08	-22.17	-
3	0.490	0.21	36.86	-	37.07	-	56.17	46.17	-19.10	-
4	0.576	0.22	38.71	-	38.93	-	56.00	46.00	-17.07	-
5	2.625	0.30	28.86	-	29.16	-	56.00	46.00	-26.84	-
6	9.145	0.52	24.04	-	24.56	-	60.00	50.00	-35.44	-

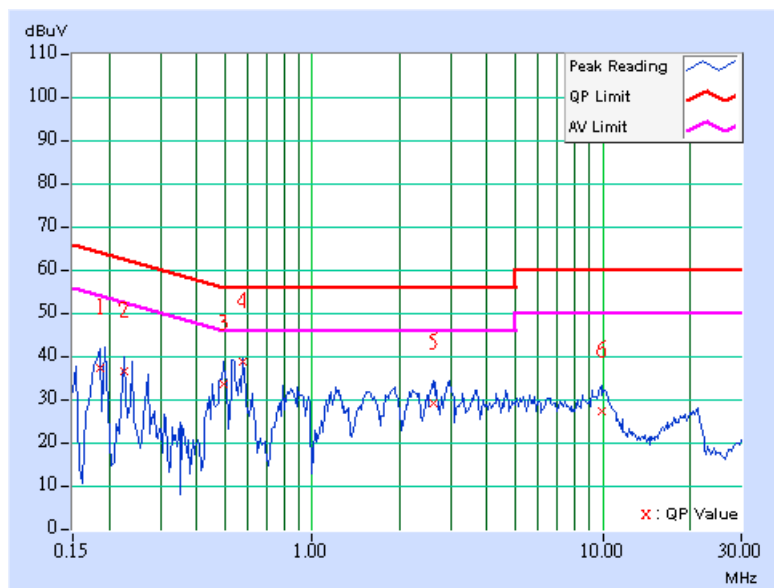
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.185	0.21	36.95	-	37.16	-	64.25	54.25	-27.09	-
2	0.224	0.21	36.31	-	36.52	-	62.66	52.66	-26.14	-
3	0.498	0.21	33.13	-	33.34	-	56.04	46.04	-22.69	-
4	0.576	0.22	38.19	-	38.41	-	56.00	46.00	-17.59	-
5	2.621	0.30	28.76	-	29.06	-	56.00	46.00	-26.94	-
6	9.934	0.54	26.87	-	27.41	-	60.00	50.00	-32.59	-

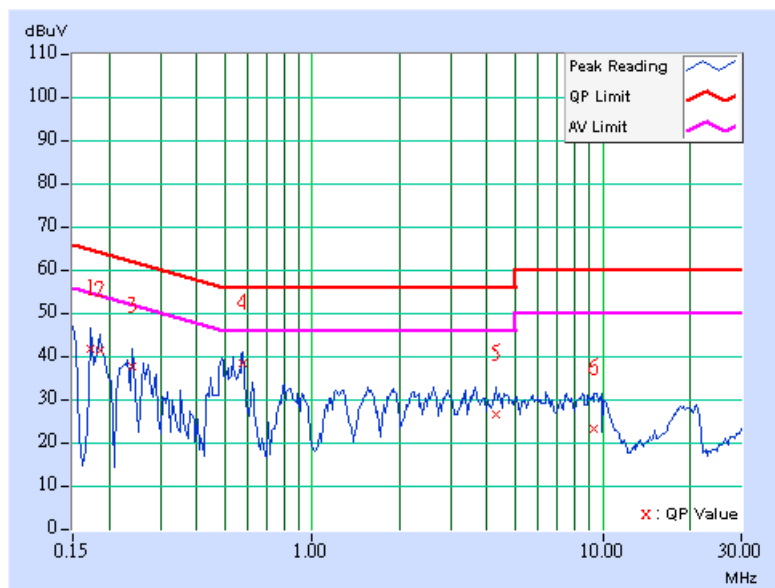
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.173	0.21	41.42	-	41.63	-	64.79	54.79	-23.17	-
2	0.185	0.21	40.87	-	41.08	-	64.25	54.25	-23.17	-
3	0.240	0.21	37.12	-	37.33	-	62.10	52.10	-24.77	-
4	0.580	0.22	38.03	-	38.25	-	56.00	46.00	-17.75	-
5	4.309	0.40	26.28	-	26.68	-	56.00	46.00	-29.32	-
6	9.371	0.52	22.94	-	23.46	-	60.00	50.00	-36.54	-

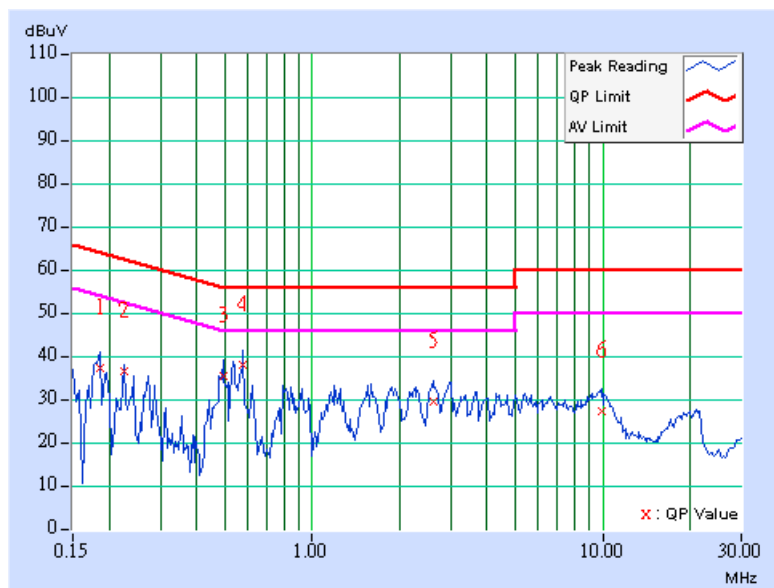
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.185	0.21	36.83	-	37.04	-	64.25	54.25	-27.21	-
2	0.224	0.21	36.27	-	36.48	-	62.66	52.66	-26.18	-
3	0.494	0.21	34.88	-	35.09	-	56.10	46.10	-21.01	-
4	0.580	0.22	37.48	-	37.70	-	56.00	46.00	-18.30	-
5	2.621	0.30	29.02	-	29.32	-	56.00	46.00	-26.68	-
6	9.895	0.54	26.88	-	27.42	-	60.00	50.00	-32.58	-

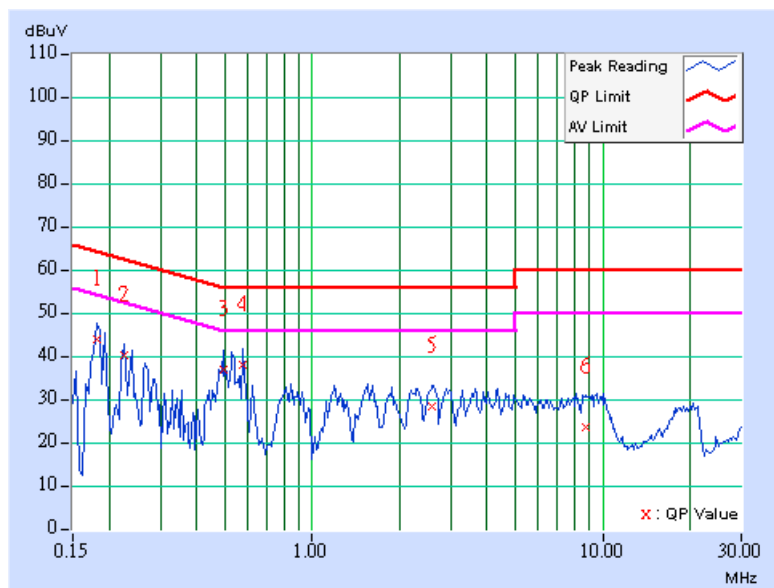
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.21	43.73	-	43.94	-	64.43	54.43	-20.49	-
2	0.224	0.21	40.03	-	40.24	-	62.66	52.66	-22.42	-
3	0.494	0.21	36.62	-	36.83	-	56.10	46.10	-19.27	-
4	0.580	0.22	37.62	-	37.84	-	56.00	46.00	-18.16	-
5	2.598	0.30	28.15	-	28.45	-	56.00	46.00	-27.55	-
6	8.738	0.51	23.09	-	23.60	-	60.00	50.00	-36.40	-

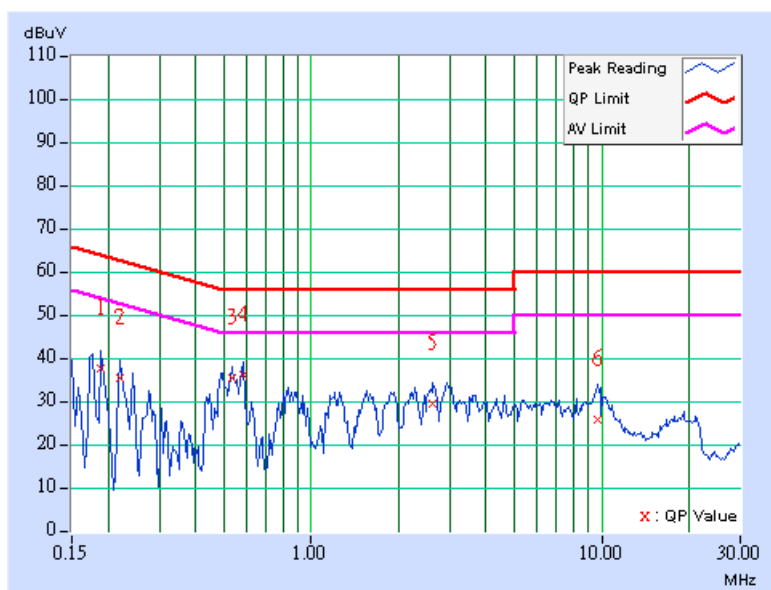
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.189	0.21	37.28	-	37.49	-	64.08	54.08	-26.59	-
2	0.220	0.21	34.99	-	35.20	-	62.81	52.81	-27.61	-
3	0.533	0.22	34.85	-	35.07	-	56.00	46.00	-20.93	-
4	0.584	0.22	35.68	-	35.90	-	56.00	46.00	-20.10	-
5	2.629	0.30	29.27	-	29.57	-	56.00	46.00	-26.43	-
6	9.648	0.53	25.27	-	25.80	-	60.00	50.00	-34.20	-

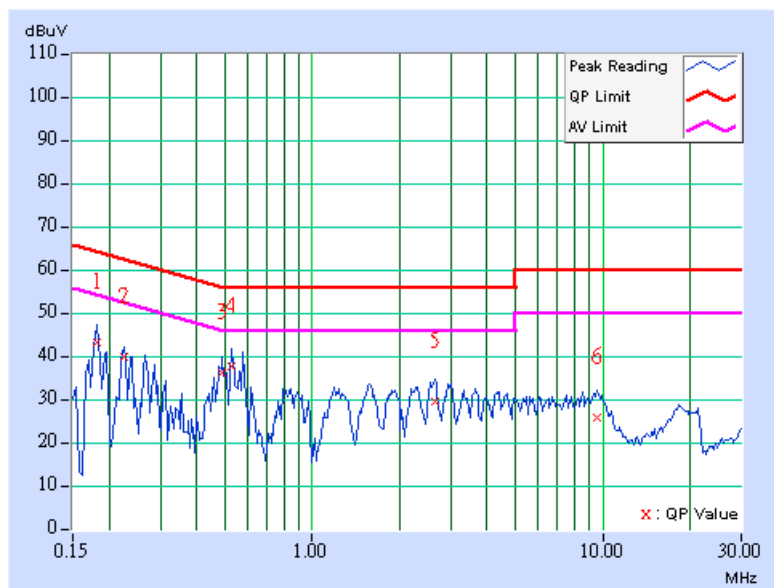
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.21	42.77	-	42.98	-	64.43	54.43	-21.45	-
2	0.224	0.21	39.41	-	39.62	-	62.66	52.66	-23.04	-
3	0.490	0.21	35.71	-	35.92	-	56.17	46.17	-20.25	-
4	0.525	0.22	37.09	-	37.31	-	56.00	46.00	-18.69	-
5	2.648	0.30	29.17	-	29.47	-	56.00	46.00	-26.53	-
6	9.559	0.53	25.43	-	25.96	-	60.00	50.00	-34.04	-

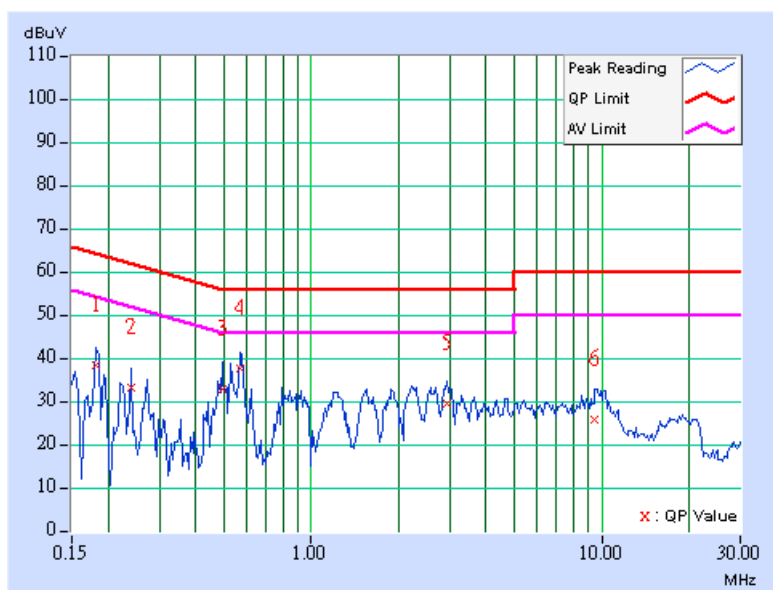
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.21	38.13	-	38.34	-	64.43	54.43	-26.09	-
2	0.240	0.21	32.80	-	33.01	-	62.10	52.10	-29.09	-
3	0.494	0.21	32.29	-	32.50	-	56.10	46.10	-23.60	-
4	0.568	0.22	37.33	-	37.55	-	56.00	46.00	-18.45	-
5	2.945	0.32	28.98	-	29.30	-	56.00	46.00	-26.70	-
6	9.500	0.53	25.31	-	25.84	-	60.00	50.00	-34.16	-

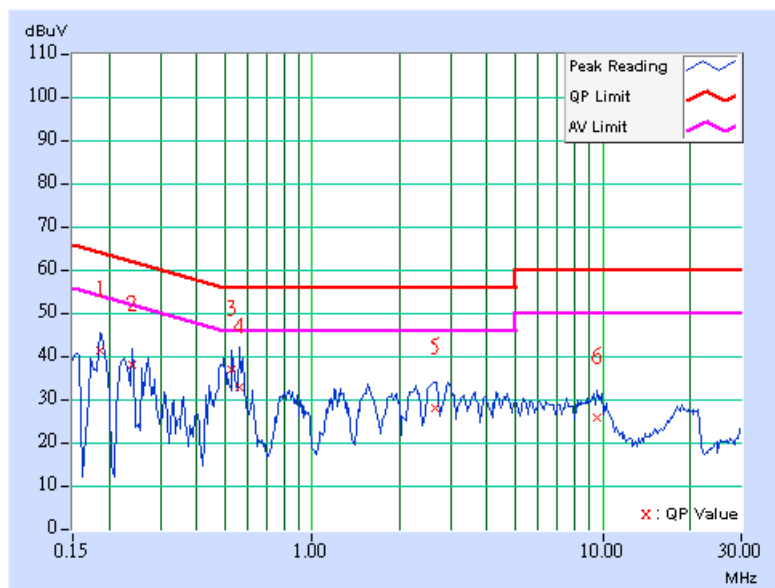
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.185	0.21	41.02	-	41.23	-	64.25	54.25	-23.02	-
2	0.240	0.21	37.73	-	37.94	-	62.10	52.10	-24.16	-
3	0.529	0.22	36.49	-	36.71	-	56.00	46.00	-19.29	-
4	0.564	0.22	32.60	-	32.82	-	56.00	46.00	-23.18	-
5	2.637	0.30	27.66	-	27.96	-	56.00	46.00	-28.04	-
6	9.602	0.53	25.45	-	25.98	-	60.00	50.00	-34.02	-

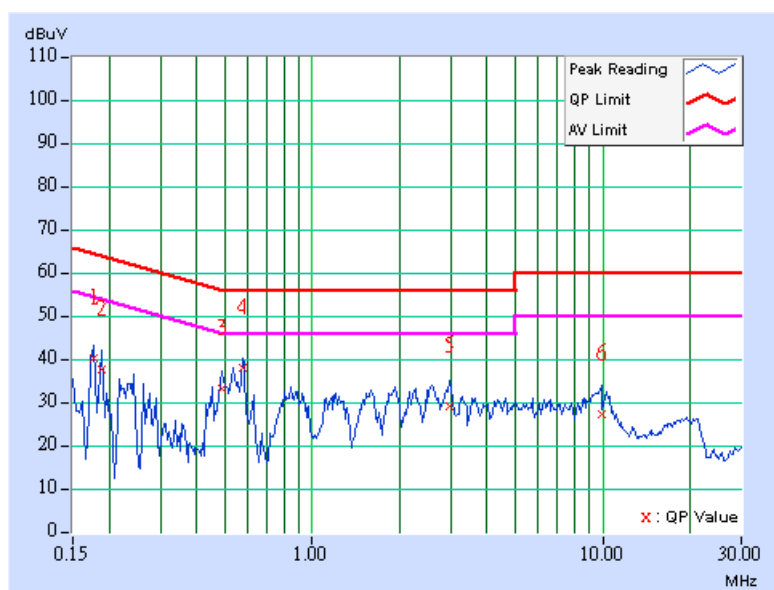
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.21	39.92	-	40.13	-	64.61	54.61	-24.48	-
2	0.189	0.21	37.32	-	37.53	-	64.08	54.08	-26.55	-
3	0.486	0.21	32.95	-	33.16	-	56.24	46.24	-23.07	-
4	0.576	0.22	37.68	-	37.90	-	56.00	46.00	-18.10	-
5	2.973	0.32	28.63	-	28.95	-	56.00	46.00	-27.05	-
6	9.879	0.54	26.73	-	27.27	-	60.00	50.00	-32.73	-

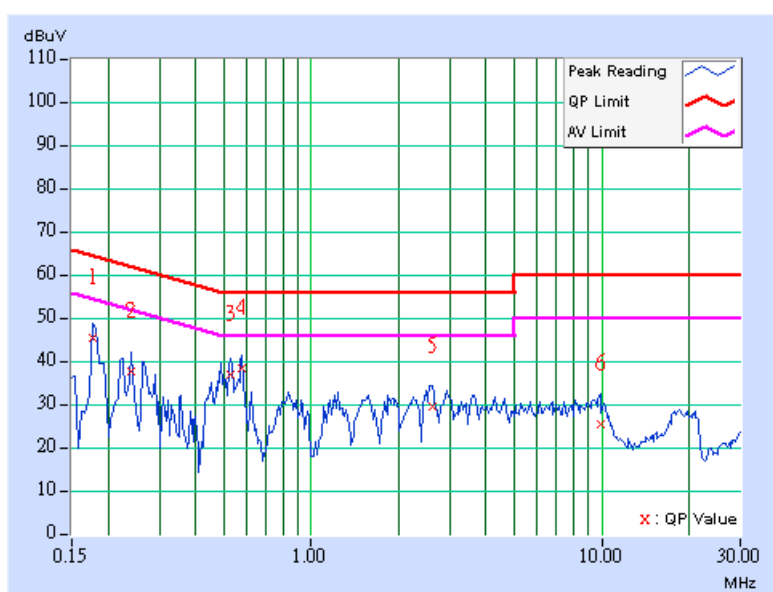
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.177	0.21	45.17	-	45.38	-	64.61	54.61	-19.23	-
2	0.240	0.21	37.24	-	37.45	-	62.10	52.10	-24.65	-
3	0.529	0.22	36.47	-	36.69	-	56.00	46.00	-19.31	-
4	0.580	0.22	37.88	-	38.10	-	56.00	46.00	-17.90	-
5	2.613	0.30	29.16	-	29.46	-	56.00	46.00	-26.54	-
6	9.922	0.54	25.18	-	25.72	-	60.00	50.00	-34.28	-

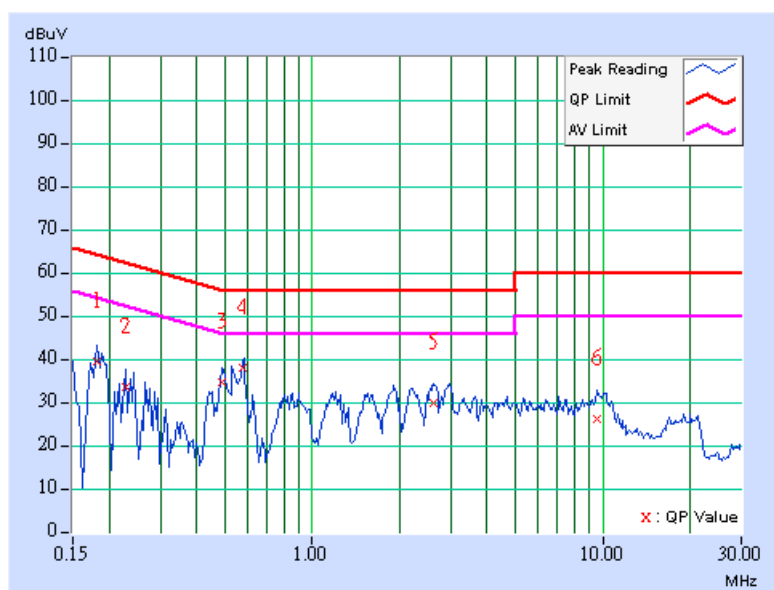
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.21	38.95	-	39.16	-	64.43	54.43	-25.27	-
2	0.228	0.21	33.02	-	33.23	-	62.52	52.52	-29.29	-
3	0.490	0.21	34.32	-	34.53	-	56.17	46.17	-21.64	-
4	0.576	0.22	37.62	-	37.84	-	56.00	46.00	-18.16	-
5	2.625	0.30	29.35	-	29.65	-	56.00	46.00	-26.35	-
6	9.621	0.53	25.74	-	26.27	-	60.00	50.00	-33.73	-

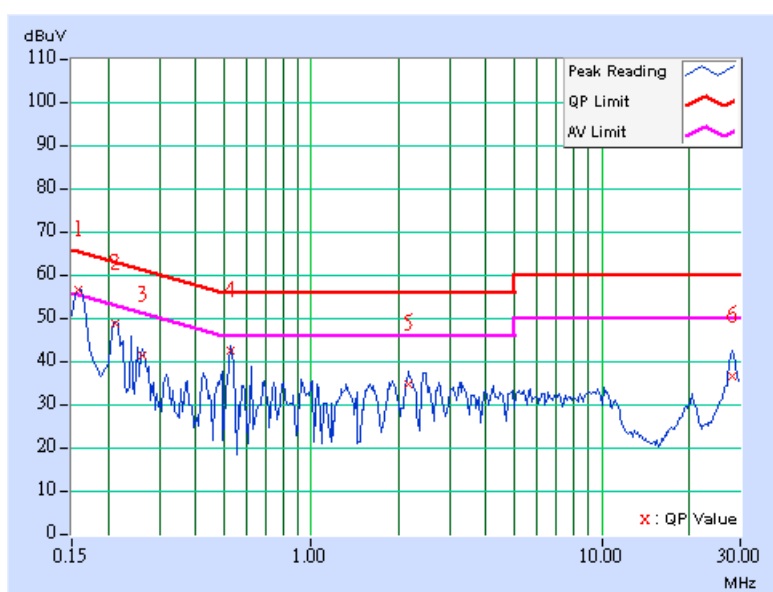
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15.0Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.21	54.77	-	54.98	-	65.58	55.58	-10.60	-
2	0.213	0.21	47.10	-	47.31	-	63.11	53.11	-15.80	-
3	0.263	0.21	39.81	-	40.02	-	61.33	51.33	-21.31	-
4	0.525	0.22	40.75	-	40.97	-	56.00	46.00	-15.03	-
5	2.164	0.27	33.12	-	33.39	-	56.00	46.00	-22.61	-
6	28.316	1.79	34.93	-	36.72	-	60.00	50.00	-23.28	-

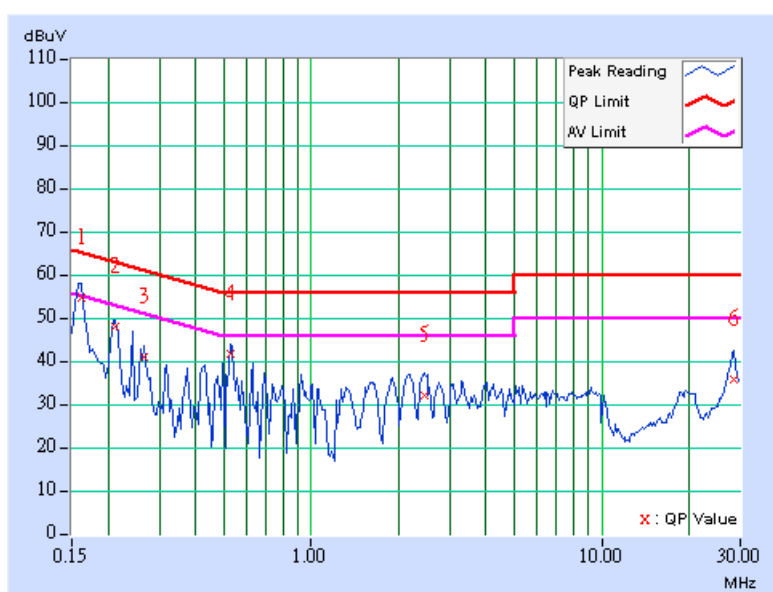
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15.0Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.162	0.21	54.37	-	54.58	-	65.38	55.38	-10.80	-
2	0.213	0.21	47.64	-	47.85	-	63.11	53.11	-15.26	-
3	0.267	0.21	40.53	-	40.74	-	61.20	51.20	-20.46	-
4	0.525	0.22	41.13	-	41.35	-	56.00	46.00	-14.65	-
5	2.449	0.29	31.56	-	31.85	-	56.00	46.00	-24.15	-
6	28.531	0.56	35.44	-	36.00	-	60.00	50.00	-24.00	-

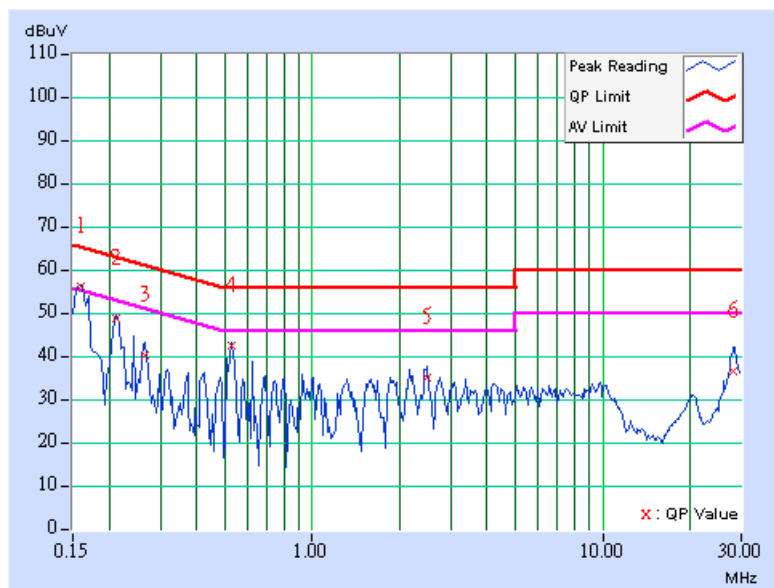
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15.0Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.160	0.21	54.55	-	54.76	-	65.47	55.47	-10.71	-
2	0.213	0.21	47.08	-	47.29	-	63.11	53.11	-15.82	-
3	0.267	0.21	38.42	-	38.63	-	61.20	51.20	-22.57	-
4	0.525	0.22	40.89	-	41.11	-	56.00	46.00	-14.89	-
5	2.488	0.29	33.25	-	33.54	-	56.00	46.00	-22.46	-
6	28.285	1.79	35.05	-	36.84	-	60.00	50.00	-23.16	-

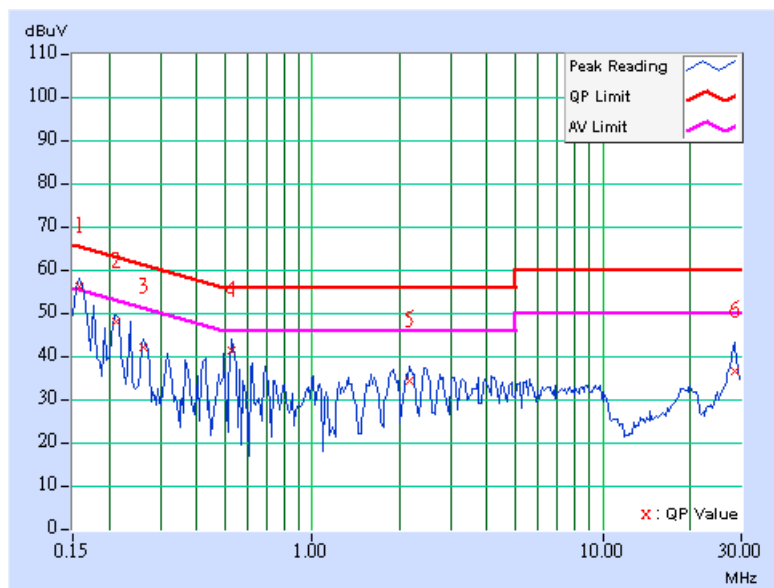
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15.0Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.21	55.77	45.31	55.98	45.52	65.58	55.58	-9.60	-10.06
2	0.213	0.21	47.64	-	47.85	-	63.11	53.11	-15.26	-
3	0.263	0.21	41.60	-	41.81	-	61.33	51.33	-19.52	-
4	0.529	0.22	41.01	-	41.23	-	56.00	46.00	-14.77	-
5	2.176	0.27	33.72	-	33.99	-	56.00	46.00	-22.01	-
6	28.402	0.56	36.06	-	36.62	-	60.00	50.00	-23.38	-

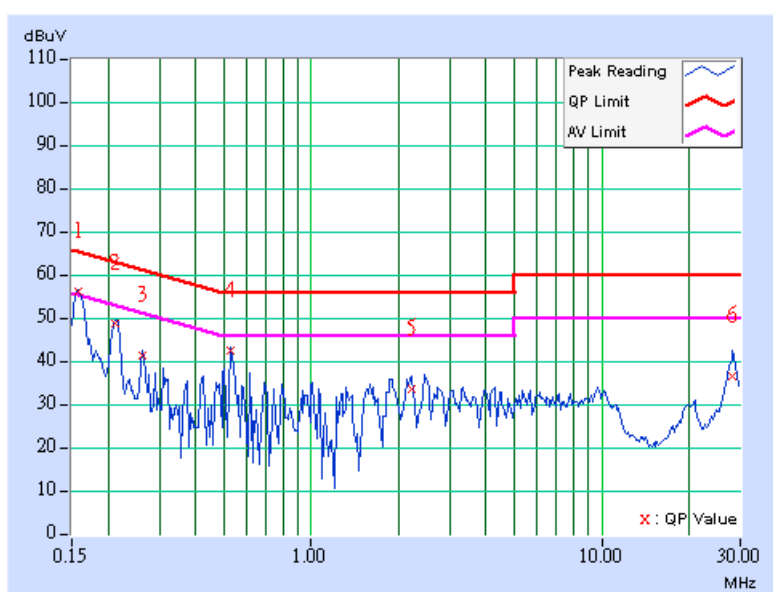
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	PHASE	Line 1
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15.0Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.21	54.69	-	54.90	-	65.58	55.58	-10.68	-
2	0.213	0.21	47.20	-	47.41	-	63.11	53.11	-15.70	-
3	0.263	0.21	39.88	-	40.09	-	61.33	51.33	-21.24	-
4	0.525	0.22	40.84	-	41.06	-	56.00	46.00	-14.94	-
5	2.230	0.27	31.82	-	32.09	-	56.00	46.00	-23.91	-
6	28.180	1.77	34.80	-	36.57	-	60.00	50.00	-23.43	-

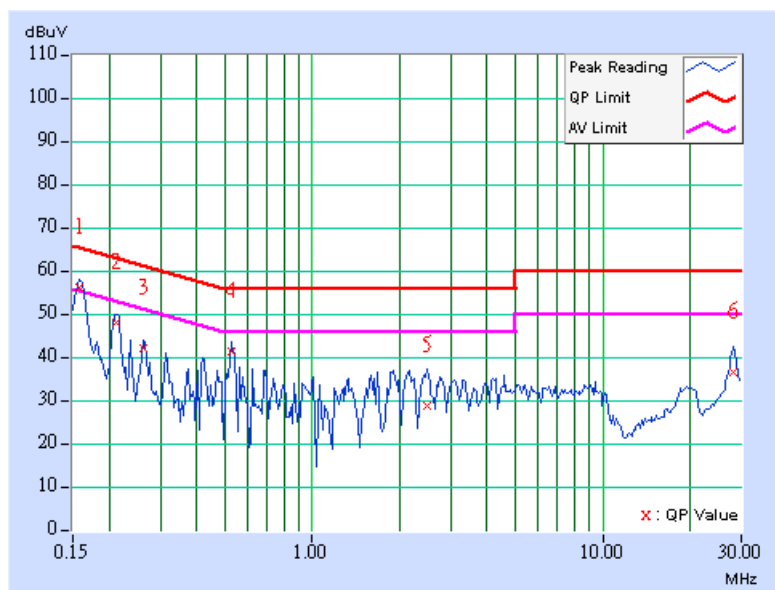
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	PHASE	Line 2
MODULATION TYPE	BPSK	6dB BANDWIDTH	9 kHz
TRANSFER RATE	15.0Mbps	INPUT POWER (SYSTEM)	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	20deg. C, 65% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

No	Freq. [MHz]	Corr. Factor [dB]	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.158	0.21	55.83	45.42	56.04	45.63	65.58	55.58	-9.54	-9.95
2	0.213	0.21	47.68	-	47.89	-	63.11	53.11	-15.22	-
3	0.263	0.21	41.60	-	41.81	-	61.33	51.33	-19.52	-
4	0.525	0.22	41.09	-	41.31	-	56.00	46.00	-14.69	-
5	2.496	0.29	28.33	-	28.62	-	56.00	46.00	-27.38	-
6	28.313	0.56	36.26	-	36.82	-	60.00	50.00	-23.18	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 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	ESCI	100424	Aug. 04, 2007
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Aug. 07, 2007
BILOG Antenna SCHWARZBECK	VULB9168	9168-153	Jan. 04, 2008
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-563	Jul. 26, 2007
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170242	Jan. 16, 2008
Preamplifier Agilent	8449B	3008A01911	Sep. 13, 2007
Preamplifier Agilent	8447D	2944A10638	Dec. 20, 2007
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	218188/218189	Nov. 14, 2007
RF signal cable Worken	8D-FB	Cable-HYCH9-01	Aug. 16, 2007
Software	ADT_Radiated_V7.6	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA
Turn Table EMCO	2087-2.03	NA	NA
Antenna Tower & Turn Table Controller EMCO	2090	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 Chamber 9.
 3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
 4. The IC Site Registration No. is IC3789B-9.

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.

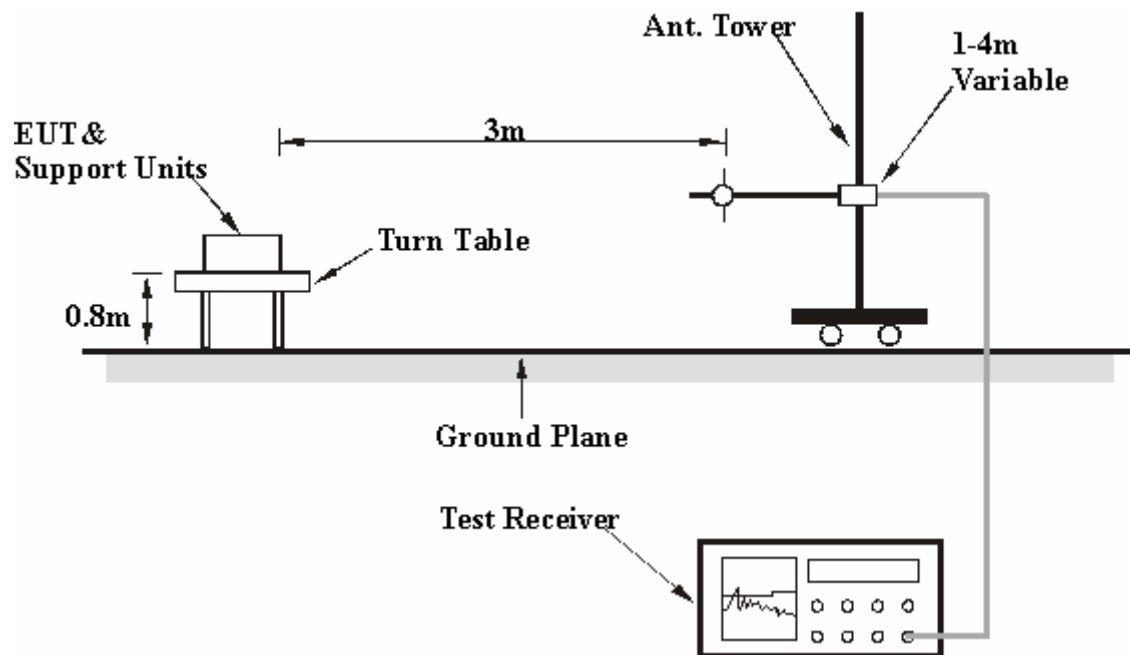
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) 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 1MHz 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 item 4.1.6.



4.2.7 TEST RESULTS

BELOW 1GHz WORST-CASE DATA: 802.11g OFDM MODULATION: SINGLE TX:

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	24deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

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	138.78	31.14 QP	43.50	-12.36	2.00 H	259	18.87	12.26
2	249.60	33.59 QP	46.00	-12.41	1.00 H	238	21.06	12.54
3	352.65	36.87 QP	46.00	-9.13	1.00 H	163	22.25	14.62
4	399.31	34.79 QP	46.00	-11.21	1.00 H	10	19.09	15.69
5	500.42	35.37 QP	46.00	-10.63	2.50 H	13	16.60	18.76
6	599.58	36.79 QP	46.00	-9.21	1.50 H	163	15.70	21.09
7	799.84	33.62 QP	46.00	-12.38	1.00 H	250	9.26	24.36

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	51.29	31.66 QP	40.00	-8.34	1.50 V	199	18.02	13.64
2	84.34	34.41 QP	40.00	-5.59	1.00 V	202	26.03	8.39
3	97.95	33.75 QP	43.50	-9.75	1.50 V	232	24.63	9.12
4	249.60	38.41 QP	46.00	-7.59	1.00 V	319	25.87	12.54
5	500.42	35.20 QP	46.00	-10.80	1.00 V	145	16.44	18.76
6	599.58	35.34 QP	46.00	-10.66	1.50 V	178	14.25	21.09

- 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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	24deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

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	107.67	34.99 QP	43.50	-8.51	1.50 H	214	24.92	10.08
2	352.65	36.92 QP	46.00	-9.08	1.00 H	169	22.30	14.62
3	399.31	34.58 QP	46.00	-11.42	2.00 H	184	18.89	15.69
4	500.42	35.56 QP	46.00	-10.44	1.50 H	178	16.79	18.76
5	599.58	37.68 QP	46.00	-8.32	1.50 H	154	16.59	21.09
6	799.84	35.25 QP	46.00	-10.75	1.00 H	118	10.89	24.36

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	55.18	35.59 QP	40.00	-4.41	1.00 V	340	22.13	13.47
2	84.34	31.56 QP	40.00	-8.44	1.00 V	220	23.17	8.39
3	111.56	37.04 QP	43.50	-6.46	1.00 V	211	26.50	10.55
4	249.60	36.71 QP	46.00	-9.29	1.00 V	328	24.17	12.54
5	352.65	35.89 QP	46.00	-10.11	1.50 V	118	21.27	14.62
6	500.42	35.31 QP	46.00	-10.69	1.00 V	301	16.55	18.76
7	599.58	35.25 QP	46.00	-10.75	1.50 V	172	14.17	21.09
8	799.84	35.19 QP	46.00	-10.81	1.50 V	94	10.83	24.36

- 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.



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	BPSK for 802.11g	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6.0Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	24deg. C, 70% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

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	29.90	28.00 QP	40.00	-12.00	1.50 H	10	15.91	12.09
2	109.62	30.82 QP	43.50	-12.68	1.50 H	193	20.51	10.31
3	352.65	34.34 QP	46.00	-11.66	1.00 H	355	19.71	14.62
4	360.43	32.59 QP	46.00	-13.41	1.00 H	172	17.79	14.80
5	399.31	32.06 QP	46.00	-13.94	1.00 H	352	16.37	15.69
6	500.42	34.62 QP	46.00	-11.38	2.00 H	31	15.85	18.76
7	599.58	36.17 QP	46.00	-9.83	1.50 H	175	15.08	21.09
8	799.84	34.75 QP	46.00	-11.25	1.00 H	127	10.39	24.36

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	55.18	34.28 QP	40.00	-5.72	1.50 V	358	20.81	13.47
2	84.34	30.39 QP	40.00	-9.61	1.00 V	160	22.00	8.39
3	109.62	33.08 QP	43.50	-10.42	1.00 V	223	22.77	10.31
4	249.60	35.63 QP	46.00	-10.37	1.00 V	73	23.09	12.54
5	599.58	35.00 QP	46.00	-11.00	2.00 V	43	13.92	21.09
6	799.84	34.01 QP	46.00	-11.99	1.50 V	130	9.65	24.36

- 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.



DRAFT 802.11n (20MHz) OFDM MODULATION: DUAL TX:

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	7.2Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

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	29.90	31.42 QP	40.00	-8.58	1.50 H	79	4.91	26.51
2	92.12	34.19 QP	43.50	-9.31	2.50 H	238	7.68	26.51
3	136.84	33.46 QP	43.50	-10.04	2.00 H	334	6.95	26.51
4	216.55	39.49 QP	46.00	-6.51	1.50 H	181	12.98	26.51
5	232.11	37.20 QP	46.00	-8.80	1.50 H	187	10.69	26.51
6	352.65	37.26 QP	46.00	-8.74	1.50 H	172	10.75	26.51
7	360.43	35.06 QP	46.00	-10.94	2.50 H	172	8.55	26.51

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	55.18	33.95 QP	40.00	-6.05	1.00 V	109	20.48	13.47
2	92.12	35.44 QP	43.50	-8.06	1.50 V	229	26.39	9.05
3	140.72	31.57 QP	43.50	-11.93	1.00 V	73	19.16	12.40
4	249.60	40.59 QP	46.00	-5.41	1.00 V	229	28.06	12.54
5	352.65	34.26 QP	46.00	-11.74	1.50 V	79	19.64	14.62
6	500.42	38.51 QP	46.00	-7.49	1.00 V	244	19.75	18.76
7	599.58	34.95 QP	46.00	-11.05	1.50 V	175	13.86	21.09

- 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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	7.2Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

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	115.45	35.04 QP	43.50	-8.46	1.50 H	205	24.02	11.02
2	352.65	37.17 QP	46.00	-8.83	1.00 H	175	22.55	14.62
3	399.31	34.74 QP	46.00	-11.26	2.50 H	199	19.05	15.69
4	500.42	35.17 QP	46.00	-10.83	1.00 H	10	16.40	18.76
5	599.58	37.41 QP	46.00	-8.59	1.50 H	151	16.33	21.09
6	799.84	34.84 QP	46.00	-11.16	1.00 H	112	10.48	24.36

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	43.51	33.68 QP	40.00	-6.32	1.00 V	94	21.36	12.32
2	111.56	36.72 QP	43.50	-6.78	1.00 V	199	26.17	10.55
3	249.60	37.07 QP	46.00	-8.93	1.00 V	313	24.53	12.54
4	352.65	36.18 QP	46.00	-9.82	1.50 V	139	21.56	14.62
5	500.42	35.23 QP	46.00	-10.77	1.00 V	286	16.46	18.76
6	599.58	35.93 QP	46.00	-10.07	1.50 V	172	14.84	21.09
7	799.84	35.25 QP	46.00	-10.75	1.50 V	103	10.89	24.36

- 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.



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	7.2Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	24deg. C, 70% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

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	352.65	36.12 QP	46.00	-9.88	1.00 H	163	21.50	14.62
2	360.43	34.06 QP	46.00	-11.94	1.00 H	160	19.26	14.80
3	399.31	35.07 QP	46.00	-10.93	2.00 H	184	19.38	15.69
4	500.42	37.00 QP	46.00	-9.00	1.50 H	181	18.24	18.76
5	539.30	33.19 QP	46.00	-12.81	1.50 H	94	13.52	19.68
6	599.58	35.40 QP	46.00	-10.60	1.50 H	64	14.32	21.09
7	799.84	34.21 QP	46.00	-11.79	1.00 H	124	9.85	24.36

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	51.29	36.30 QP	40.00	-3.70	1.00 V	10	22.66	13.64
2	84.34	32.84 QP	40.00	-7.16	1.00 V	229	24.45	8.39
3	97.95	33.60 QP	43.50	-9.90	1.00 V	256	24.48	9.12
4	144.61	31.89 QP	43.50	-11.61	1.00 V	274	18.95	12.93
5	249.60	37.57 QP	46.00	-8.43	1.00 V	319	25.04	12.54
6	352.65	34.49 QP	46.00	-11.51	1.50 V	145	19.87	14.62
7	500.42	36.75 QP	46.00	-9.25	1.00 V	151	17.99	18.76
8	599.58	35.75 QP	46.00	-10.25	1.50 V	172	14.66	21.09

- 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.



DRAFT 802.11n (40MHz) OFDM MODULATION: DUAL TX:

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	15Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 69%RH, 991hPa	TEST MODE	A
TESTED BY	Lori Chiu		

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	29.90	30.82 QP	40.00	-9.18	1.50 H	55	4.31	26.51
2	92.12	35.25 QP	43.50	-8.25	2.00 H	238	8.74	26.51
3	138.78	33.99 QP	43.50	-9.51	2.00 H	337	7.48	26.51
4	214.61	38.22 QP	43.50	-5.28	1.00 H	298	11.71	26.51
5	234.05	37.58 QP	46.00	-8.42	1.50 H	208	11.07	26.51
6	352.65	37.27 QP	46.00	-8.73	1.00 H	163	10.76	26.51

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	55.18	32.52 QP	40.00	-7.48	1.50 V	211	19.06	13.47
2	92.12	35.12 QP	43.50	-8.38	1.00 V	241	26.07	9.05
3	249.60	41.48 QP	46.00	-4.52	1.00 V	265	28.95	12.54
4	500.42	37.43 QP	46.00	-8.57	1.00 V	109	18.66	18.76
5	599.58	35.12 QP	46.00	-10.88	1.50 V	178	14.03	21.09
6	799.84	35.80 QP	46.00	-10.20	1.50 V	109	11.44	24.36

- 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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	15Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 69%RH, 991hPa	TEST MODE	B
TESTED BY	Lori Chiu		

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	115.45	34.95 QP	43.50	-8.55	1.50 H	220	23.94	11.02
2	352.65	36.99 QP	46.00	-9.01	1.00 H	169	22.36	14.62
3	360.43	34.02 QP	46.00	-11.98	1.00 H	172	19.21	14.80
4	399.31	35.20 QP	46.00	-10.80	1.50 H	190	19.51	15.69
5	500.42	35.55 QP	46.00	-10.45	2.00 H	169	16.79	18.76
6	599.58	37.33 QP	46.00	-8.67	1.50 H	151	16.24	21.09
7	799.84	34.85 QP	46.00	-11.15	1.00 H	115	10.49	24.36

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	55.18	33.76 QP	40.00	-6.24	1.50 V	352	20.29	13.47
2	84.34	31.91 QP	40.00	-8.09	1.00 V	232	23.52	8.39
3	111.56	36.50 QP	43.50	-7.00	1.00 V	187	25.96	10.55
4	249.60	37.31 QP	46.00	-8.69	1.00 V	310	24.77	12.54
5	352.65	35.92 QP	46.00	-10.08	1.50 V	136	21.30	14.62
6	500.42	36.18 QP	46.00	-9.82	1.00 V	286	17.42	18.76
7	599.58	35.02 QP	46.00	-10.98	1.50 V	172	13.93	21.09
8	799.84	35.15 QP	46.00	-10.85	1.50 V	100	10.79	24.36

- 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.



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	15.0Mbps	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	24deg. C, 70% RH, 991hPa	TEST MODE	C
TESTED BY	Lori Chiu		

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	352.65	36.36 QP	46.00	-9.64	1.00 H	169	21.74	14.62
2	360.43	34.15 QP	46.00	-11.85	1.00 H	169	19.35	14.80
3	399.31	34.78 QP	46.00	-11.22	2.00 H	181	19.09	15.69
4	500.42	38.93 QP	46.00	-7.07	1.50 H	202	20.17	18.76
5	599.58	35.84 QP	46.00	-10.16	1.50 H	79	14.75	21.09
6	799.84	34.61 QP	46.00	-11.39	1.00 H	121	10.25	24.36

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	51.29	36.05 QP	40.00	-3.95	1.50 V	331	22.41	13.64
2	84.34	32.92 QP	40.00	-7.08	1.50 V	220	24.53	8.39
3	97.95	33.18 QP	43.50	-10.32	1.50 V	277	24.06	9.12
4	144.61	31.41 QP	43.50	-12.09	1.00 V	256	18.48	12.93
5	249.60	36.99 QP	46.00	-9.01	1.00 V	310	24.46	12.54
6	352.65	34.76 QP	46.00	-11.24	1.50 V	148	20.13	14.62
7	500.42	35.20 QP	46.00	-10.80	1.00 V	109	16.44	18.76
8	599.58	34.93 QP	46.00	-11.07	1.00 V	10	13.85	21.09
9	700.68	33.14 QP	46.00	-12.86	1.50 V	331	11.13	22.01

- 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.

802.11b DSSS MODULATION: SINGLE TX:

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	DBPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	1Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 69%RH, 991hPa	TESTED BY	Lori Chiu

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	2386.00	57.69 PK	74.00	-16.31	1.36 H	48	26.47	31.22
2	2386.00	46.55 AV	54.00	-7.45	1.36 H	48	15.33	31.22
3	*2412.00	103.24 PK			1.34 H	43	72.03	31.21
4	*2412.00	98.78 AV			1.34 H	43	67.57	31.21
5	4824.00	48.25 PK	74.00	-25.75	1.04 H	165	11.77	36.48
6	4824.00	41.81 AV	54.00	-12.19	1.04 H	165	5.33	36.48

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	2386.00	60.99 PK	74.00	-13.01	1.10 V	213	29.77	31.22
2	2386.00	49.30 AV	54.00	-4.70	1.10 V	213	18.08	31.22
3	*2412.00	112.62 PK			1.08 V	171	81.41	31.21
4	*2412.00	107.91 AV			1.08 V	171	76.70	31.21
5	4824.00	51.80 PK	74.00	-22.20	1.00 V	211	15.32	36.48
6	4824.00	48.01 AV	54.00	-5.99	1.00 V	211	11.53	36.48
7	7236.00	58.66 PK	74.00	-15.34	1.63 V	228	15.71	42.95
8	7236.00	50.68 AV	54.00	-3.32	1.63 V	228	7.73	42.95

- 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. The limit value is defined as per 15.247.
 6. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	DBPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	1Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 69%RH, 991hPa	TESTED BY	Lori Chiu

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	103.11 PK			1.02 H	200	71.89	31.22
2	*2437.00	98.50 AV			1.02 H	200	67.28	31.22
3	4874.00	47.89 PK	74.00	-26.11	1.10 H	242	11.31	36.58
4	4874.00	42.52 AV	54.00	-11.48	1.10 H	242	5.94	36.58

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	111.65 PK			1.06 V	174	80.43	31.22
2	*2437.00	106.94 AV			1.06 V	174	75.72	31.22
3	4874.00	52.41 PK	74.00	-21.59	1.06 V	137	15.83	36.58
4	4874.00	49.59 AV	54.00	-4.41	1.06 V	137	13.01	36.58
5	7311.00	57.90 PK	74.00	-16.10	1.05 V	221	14.89	43.02
6	7311.00	50.37 AV	54.00	-3.63	1.05 V	221	7.36	43.02

- 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. The limit value is defined as per 15.247.
 6. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	DBPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	1Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 69%RH, 991hPa	TESTED BY	Lori Chiu

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	102.93 PK			1.00 H	195	71.70	31.23
2	*2462.00	98.31 AV			1.00 H	195	67.08	31.23
3	2483.50	57.37 PK	74.00	-16.63	1.00 H	193	26.13	31.24
4	2483.50	45.81 AV	54.00	-8.19	1.00 H	193	14.57	31.24
5	4924.00	50.02 PK	74.00	-23.98	1.00 H	209	13.34	36.68
6	4924.00	45.45 AV	54.00	-8.55	1.00 H	209	8.77	36.68

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	111.78 PK			1.07 V	174	80.55	31.23
2	*2462.00	107.18 AV			1.07 V	174	75.95	31.23
3	2483.50	61.62 PK	74.00	-12.38	1.04 V	171	30.38	31.24
4	2483.50	50.77 AV	54.00	-3.23	1.04 V	171	19.53	31.24
5	4924.00	54.44 PK	74.00	-19.56	1.06 V	234	17.76	36.68
6	4924.00	51.71 AV	54.00	-2.29	1.06 V	234	15.03	36.68
7	7386.00	59.33 PK	74.00	-14.67	1.82 V	228	16.26	43.08
8	7386.00	52.03 AV	54.00	-1.97	1.82 V	228	8.96	43.08

- 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. The limit value is defined as per 15.247.
 6. “ * “: Fundamental frequency.



802.11g OFDM MODULATION: SINGLE TX:

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 69%RH, 991hPa	TESTED BY	Lori Chiu

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	62.93 PK	74.00	-11.07	1.33 H	50	31.71	31.22
2	2390.00	47.64 AV	54.00	-6.36	1.33 H	50	16.42	31.22
3	*2412.00	103.24 PK			1.32 H	50	72.03	31.21
4	*2412.00	93.61 AV			1.32 H	50	62.40	31.21
5	4824.00	46.88 PK	74.00	-27.12	1.26 H	256	10.40	36.48
6	4824.00	33.52 AV	54.00	-20.48	1.26 H	256	-2.96	36.48

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	72.13 PK	74.00	-1.87	1.12 V	216	40.91	31.22
2	2390.00	51.96 AV	54.00	-2.04	1.12 V	216	20.74	31.22
3	*2412.00	111.10 PK			1.10 V	171	79.89	31.21
4	*2412.00	100.77 AV			1.10 V	171	69.56	31.21
5	4824.00	48.99 PK	74.00	-25.01	1.26 V	146	12.51	36.48
6	4824.00	34.48 AV	54.00	-19.52	1.26 V	146	-2.00	36.48

- 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. The limit value is defined as per 15.247.
 6. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 69%RH, 991hPa	TESTED BY	Lori Chiu

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	104.02 PK			1.07 H	246	72.80	31.22
2	*2437.00	94.23 AV			1.07 H	246	63.01	31.22
3	4874.00	49.67 PK	74.00	-24.33	1.00 H	64	13.09	36.58
4	4874.00	35.80 AV	54.00	-18.20	1.00 H	64	-0.78	36.58

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	112.34 PK			1.08 V	169	81.12	31.22
2	*2437.00	101.47 AV			1.08 V	169	70.25	31.22
3	4874.00	50.11 PK	74.00	-23.89	1.21 V	133	13.53	36.58
4	4874.00	36.28 AV	54.00	-17.72	1.21 V	133	-0.30	36.58

- 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. The limit value is defined as per 15.247.
 6. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	6Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 69%RH, 991hPa	TESTED BY	Lori Chiu

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	103.67 PK			1.25 H	166	72.44	31.23
2	*2462.00	93.80 AV			1.25 H	166	62.57	31.23
3	2483.50	64.70 PK	74.00	-9.30	1.25 H	165	33.46	31.24
4	2483.50	48.32 AV	54.00	-5.68	1.25 H	165	17.08	31.24
5	4924.00	47.68 PK	74.00	-26.32	1.02 H	211	11.00	36.68
6	4924.00	33.52 AV	54.00	-20.48	1.02 H	211	-3.16	36.68

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	111.50 PK			1.05 V	172	80.27	31.23
2	*2462.00	101.15 AV			1.05 V	172	69.92	31.23
3	2483.50	71.48 PK	74.00	-2.52	1.09 V	172	40.24	31.24
4	2483.50	52.12 AV	54.00	-1.88	1.09 V	172	20.88	31.24
5	4924.00	48.21 PK	74.00	-25.79	1.00 V	309	11.53	36.68
6	4924.00	34.60 AV	54.00	-19.40	1.00 V	309	-2.08	36.68

- 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. The limit value is defined as per 15.247.
 6. “ * “: Fundamental frequency.

DRAFT 802.11n (20MHz) OFDM MODULATION: DUAL TX:

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	7.2Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 71%RH, 991hPa	TESTED BY	Lori 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	60.93 PK	74.00	-13.07	1.06 H	161	29.71	31.22
2	2390.00	46.76 AV	54.00	-7.24	1.06 H	161	15.54	31.22
3	*2412.00	101.47 PK			1.08 H	161	70.26	31.21
4	*2412.00	92.05 AV			1.08 H	161	60.84	31.21
5	4824.00	45.74 PK	74.00	-28.26	1.13 H	257	9.26	36.48
6	4824.00	32.25 AV	54.00	-21.75	1.13 H	257	-4.23	36.48

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	69.46 PK	74.00	-4.54	1.08 V	170	38.24	31.22
2	2390.00	51.78 AV	54.00	-2.22	1.08 V	170	20.56	31.22
3	*2412.00	112.79 PK			1.08 V	169	81.58	31.21
4	*2412.00	102.72 AV			1.08 V	169	71.51	31.21
5	3216.00	43.02 PK	74.00	-30.98	1.13 V	268	10.69	32.33
6	3216.00	33.84 AV	54.00	-20.16	1.13 V	268	1.51	32.33
7	4824.00	47.52 PK	74.00	-26.48	1.20 V	170	11.04	36.48
8	4824.00	33.91 AV	54.00	-20.09	1.20 V	170	-2.57	36.48

- 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. The limit value is defined as per 15.247.
 6. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	7.2Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 71%RH, 991hPa	TESTED BY	Lori 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	102.33 PK			1.06 H	127	71.11	31.22
2	*2437.00	93.17 AV			1.06 H	127	61.95	31.22
3	4874.00	47.94 PK	74.00	-26.06	1.00 H	351	11.36	36.58
4	4874.00	34.88 AV	54.00	-19.12	1.00 H	351	-1.70	36.58

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	113.64 PK			1.07 V	190	82.42	31.22
2	*2437.00	103.25 AV			1.07 V	190	72.03	31.22
3	3282.00	44.90 PK	74.00	-29.10	1.23 V	249	12.80	32.10
4	3282.00	34.89 AV	54.00	-19.11	1.23 V	249	2.79	32.10
5	4874.00	48.16 PK	74.00	-25.84	1.23 V	16	11.58	36.58
6	4874.00	35.98 AV	54.00	-18.02	1.23 V	16	-0.60	36.58

- 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. The limit value is defined as per 15.247.
 6. “ * “: Fundamental frequency.



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	7.2Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 71%RH, 991hPa	TESTED BY	Lori 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	101.64 PK			1.05 H	43	70.41	31.23
2	*2462.00	92.57 AV			1.05 H	43	61.34	31.23
3	2483.50	59.08 PK	74.00	-14.92	1.05 H	42	27.84	31.24
4	2483.50	46.64 AV	54.00	-7.36	1.05 H	42	15.40	31.24
5	4924.00	47.08 PK	74.00	-26.92	1.01 H	124	10.40	36.68
6	4924.00	32.93 AV	54.00	-21.07	1.01 H	124	-3.75	36.68

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	112.87 PK			1.07 V	169	81.64	31.23
2	*2462.00	102.93 AV			1.07 V	169	71.70	31.23
3	2483.50	68.72 PK	74.00	-5.28	1.05 V	216	37.48	31.24
4	2483.50	51.53 AV	54.00	-2.47	1.05 V	216	20.29	31.24
5	3282.00	43.98 PK	74.00	-30.02	1.05 V	15	11.88	32.10
6	3282.00	33.31 AV	54.00	-20.69	1.05 V	15	1.21	32.10
7	4924.00	47.59 PK	74.00	-26.41	1.15 V	246	10.91	36.68
8	4924.00	34.07 AV	54.00	-19.93	1.15 V	246	-2.61	36.68

- 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. The limit value is defined as per 15.247.
 6. “ * “: Fundamental frequency.

DRAFT 802.11n (40MHz) OFDM MODULATION: DUAL TX:

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	15Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 71%RH, 991hPa	TESTED BY	Lori 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	64.74 PK	74.00	-9.26	1.16 H	261	33.52	31.22
2	2390.00	46.36 AV	54.00	-7.64	1.16 H	261	15.14	31.22
3	*2422.00	95.64 PK			1.16 H	260	64.42	31.22
4	*2422.00	85.37 AV			1.16 H	260	54.15	31.22
5	4844.00	45.76 PK	74.00	-28.24	1.32 H	329	9.24	36.52
6	4844.00	32.80 AV	54.00	-21.20	1.32 H	329	-3.72	36.52

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	71.39 PK	74.00	-2.61	1.06 V	208	40.17	31.22
2	2390.00	51.28 AV	54.00	-2.72	1.06 V	208	20.06	31.22
3	*2422.00	106.49 PK			1.08 V	168	75.27	31.22
4	*2422.00	96.42 AV			1.08 V	168	65.20	31.22
5	3229.00	42.89 PK	74.00	-31.11	1.10 V	159	10.61	32.28
6	3229.00	32.56 AV	54.00	-21.44	1.10 V	159	0.28	32.28
7	4844.00	46.97 PK	74.00	-27.03	1.00 V	21	10.45	36.52
8	4844.00	33.80 AV	54.00	-20.20	1.00 V	21	-2.72	36.52

- 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. The limit value is defined as per 15.247.
 6. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	15Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 71%RH, 991hPa	TESTED BY	Lori 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	64.06 PK	74.00	-9.94	1.21 H	233	32.84	31.22
2	2390.00	45.43 AV	54.00	-8.57	1.21 H	233	14.21	31.22
3	*2437.00	97.35 PK			1.20 H	234	66.13	31.22
4	*2437.00	87.90 AV			1.20 H	234	56.68	31.22
5	4874.00	47.55 PK	74.00	-26.45	1.06 H	321	10.97	36.58
6	4874.00	34.67 AV	54.00	-19.33	1.06 H	321	-1.91	36.58

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	65.26 PK	74.00	-8.74	1.12 V	230	34.04	31.22
2	2390.00	49.76 AV	54.00	-4.24	1.12 V	230	18.54	31.22
3	*2437.00	108.55 PK			1.09 V	212	77.33	31.22
4	*2437.00	98.64 AV			1.09 V	212	67.42	31.22
5	3249.00	44.80 PK	74.00	-29.20	1.02 V	88	12.59	32.21
6	3249.00	34.28 AV	54.00	-19.72	1.02 V	88	2.07	32.21
7	4874.00	48.67 PK	74.00	-25.33	1.12 V	318	12.09	36.58
8	4874.00	35.90 AV	54.00	-18.10	1.12 V	318	-0.68	36.58

- 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. The limit value is defined as per 15.247.
 6. “ * “: Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60 Hz
TRANSFER RATE	15Mbps	DETECTOR FUNCTION	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 71%RH, 991hPa	TESTED BY	Lori 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	*2452.00	96.88 PK			1.30 H	312	65.65	31.23
2	*2452.00	86.56 AV			1.30 H	312	55.33	31.23
3	2483.50	62.62 PK	74.00	-11.38	1.29 H	312	31.38	31.24
4	2483.50	46.97 AV	54.00	-7.03	1.29 H	312	15.73	31.24
5	4904.00	46.38 PK	74.00	-27.62	1.00 H	21	9.74	36.64
6	4904.00	33.75 AV	54.00	-20.25	1.00 H	21	-2.89	36.64

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	*2452.00	107.68 PK			1.07 V	175	76.45	31.23
2	*2452.00	97.33 AV			1.07 V	175	66.10	31.23
3	2483.50	71.31 PK	74.00	-2.69	1.05 V	232	40.07	31.24
4	2483.50	51.07 AV	54.00	-2.93	1.05 V	232	19.83	31.24
5	3269.00	43.87 PK	74.00	-30.13	1.05 V	36	11.72	32.15
6	3269.00	33.59 AV	54.00	-20.41	1.05 V	36	1.44	32.15
7	4904.00	47.82 PK	74.00	-26.18	1.20 V	246	11.18	36.64
8	4904.00	34.50 AV	54.00	-19.50	1.20 V	246	-2.14	36.64

- 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. The limit value is defined as per 15.247.
 6. “ * “: 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.

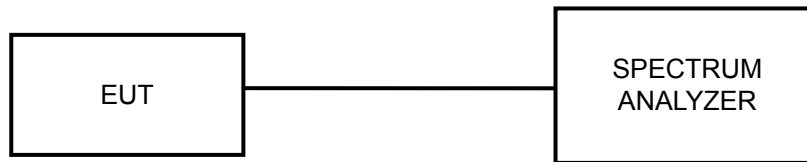
4.3.3 TEST PROCEDURE

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.



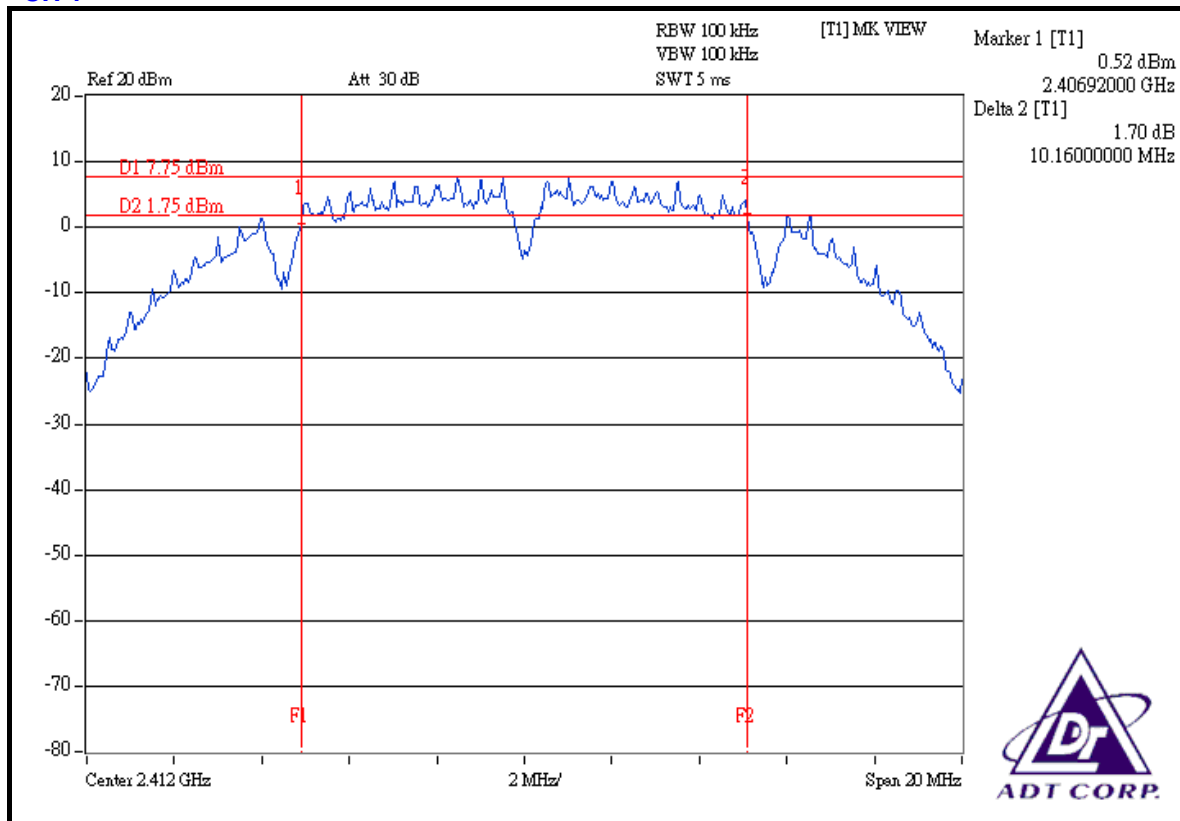
4.3.7 TEST RESULTS

802.11b DSSS MODULATION:

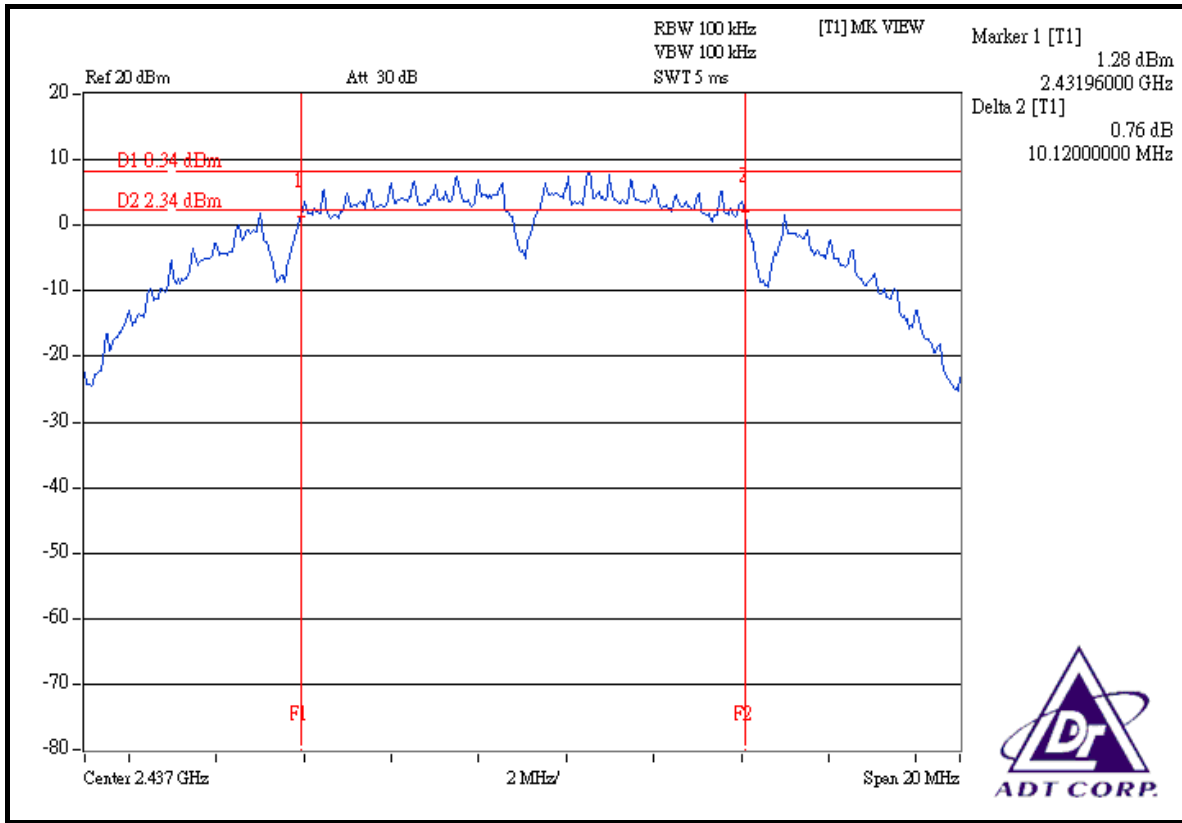
MODULATION TYPE	DBPSK	TRANSFER RATE	1Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 65%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	10.16	0.5	PASS
6	2437	10.12	0.5	PASS
11	2462	11.12	0.5	PASS

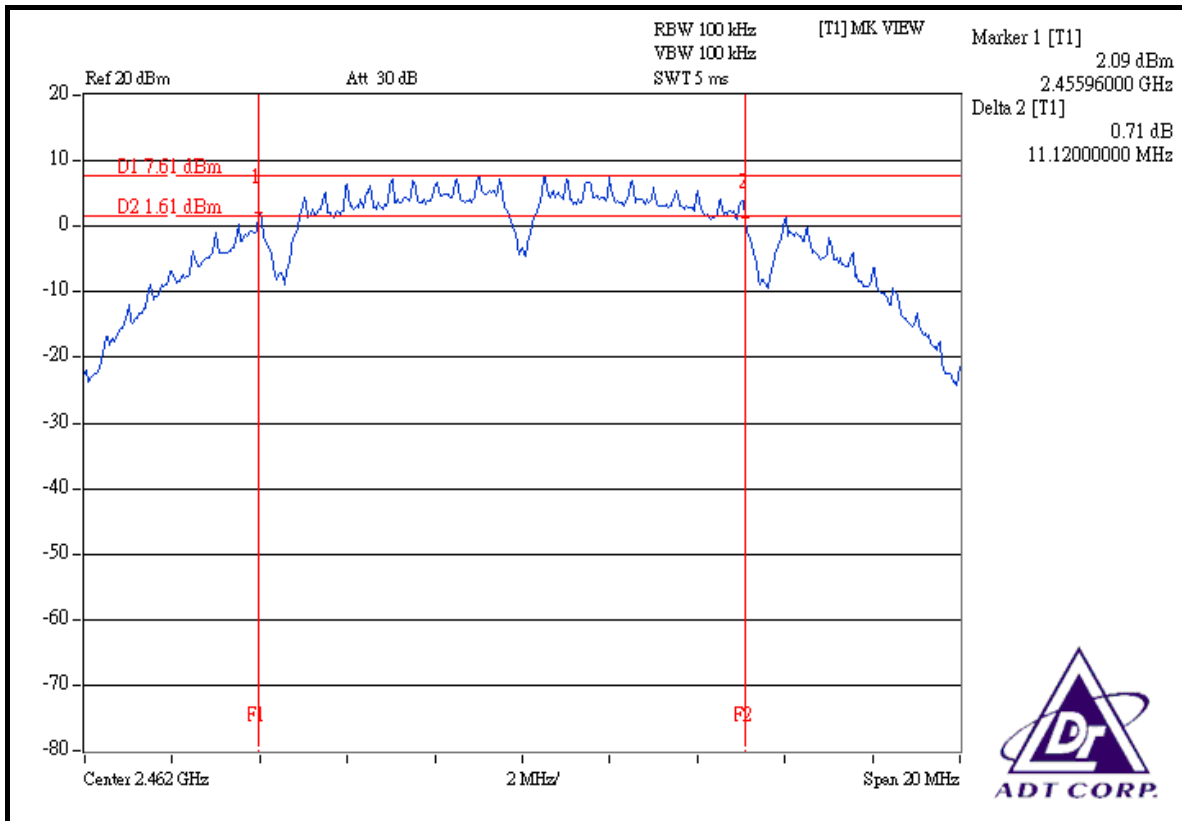
CH 1



CH 6



CH 11



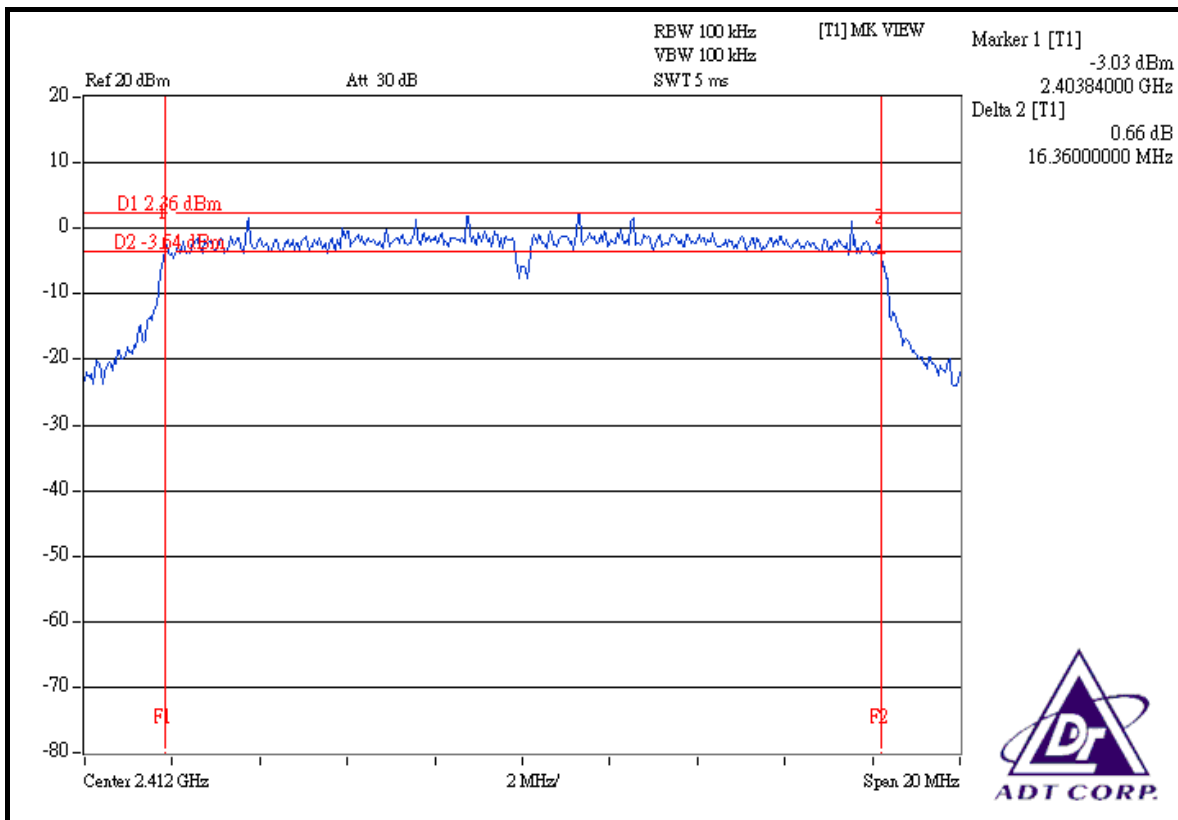


802.11g OFDM MODULATION:

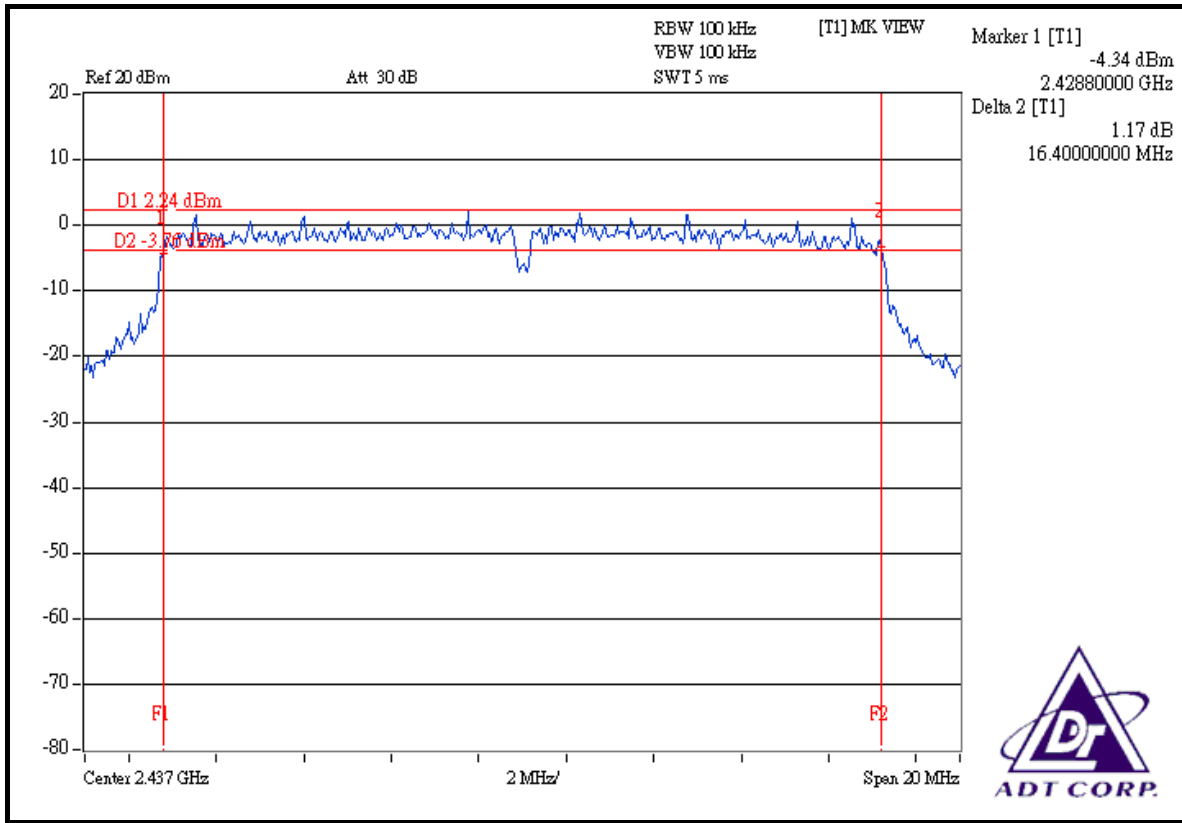
MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 65%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS/FAIL
1	2412	16.36	0.5	PASS
6	2437	16.40	0.5	PASS
11	2462	16.40	0.5	PASS

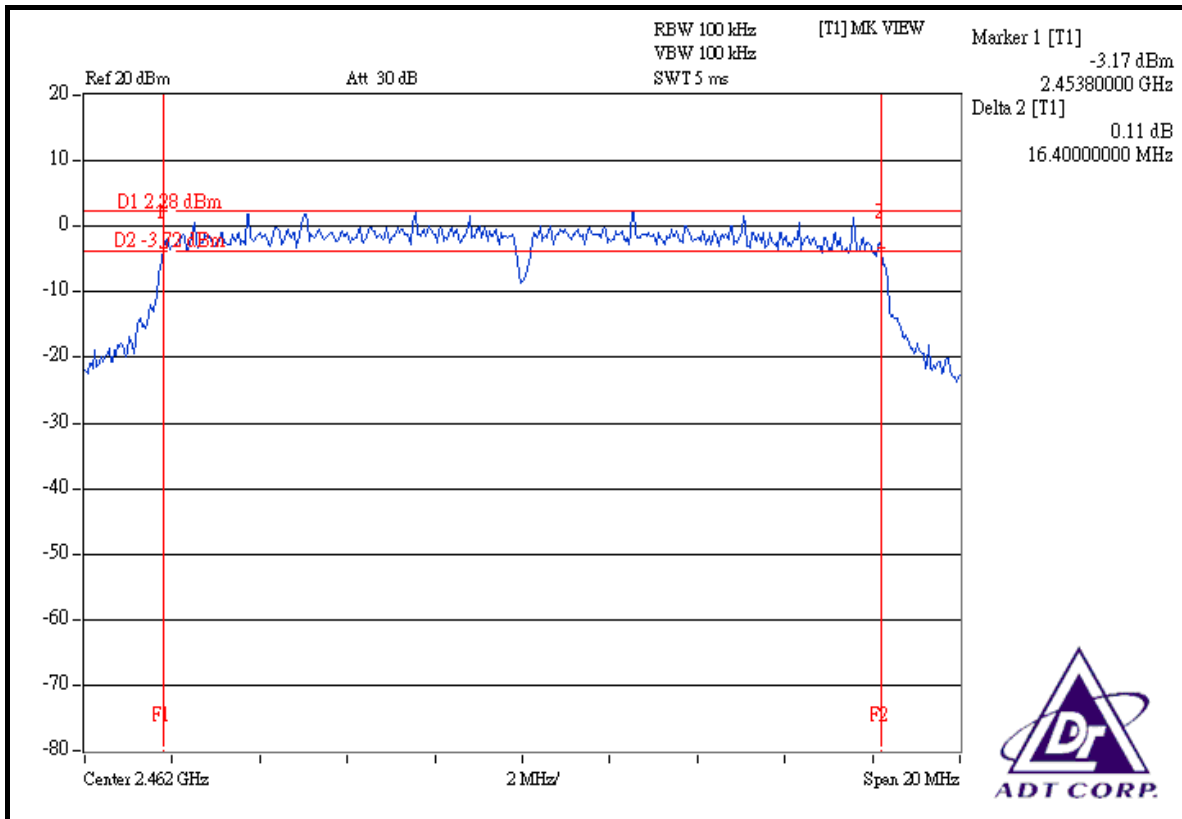
CH 1



CH 6



CH 11



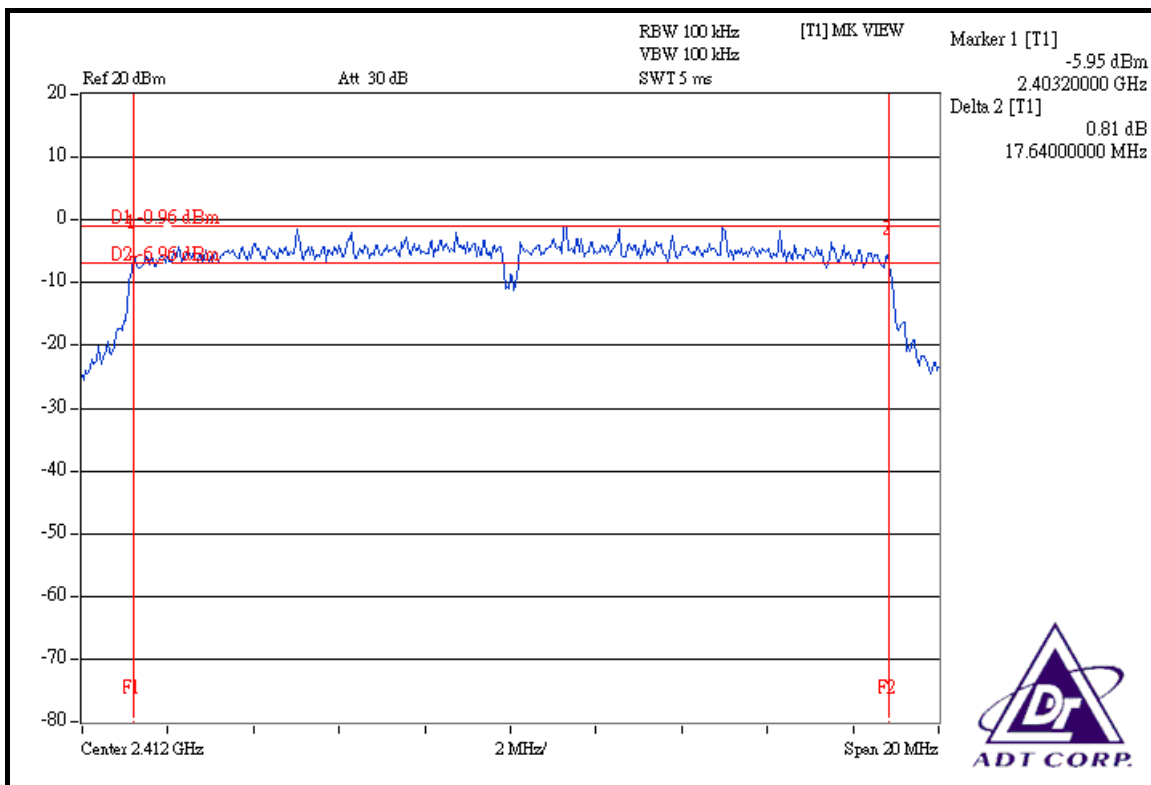


DRAFT 802.11n (20MHz) OFDM MODULATION: DUAL TX:

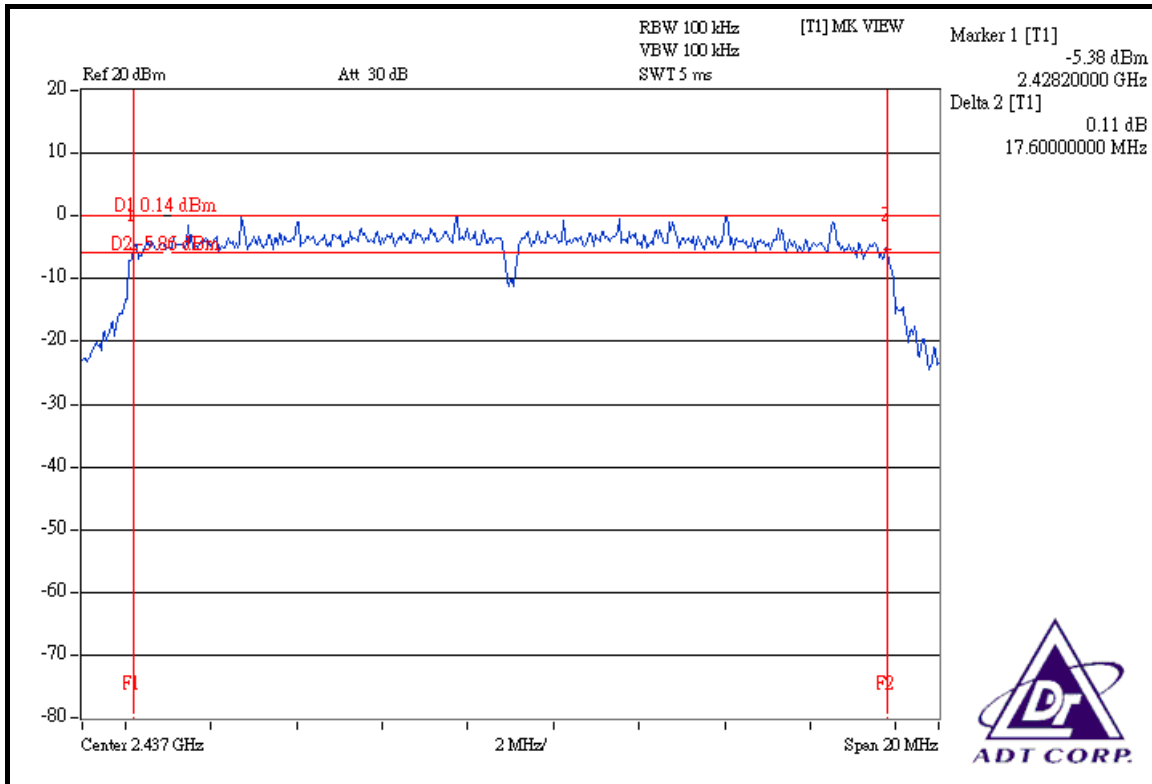
MODULATION TYPE	BPSK	TRANSFER RATE	7.2Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 65%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
1	2412	17.64	17.60	0.5	PASS
6	2437	17.60	17.60	0.5	PASS
11	2462	17.60	17.60	0.5	PASS

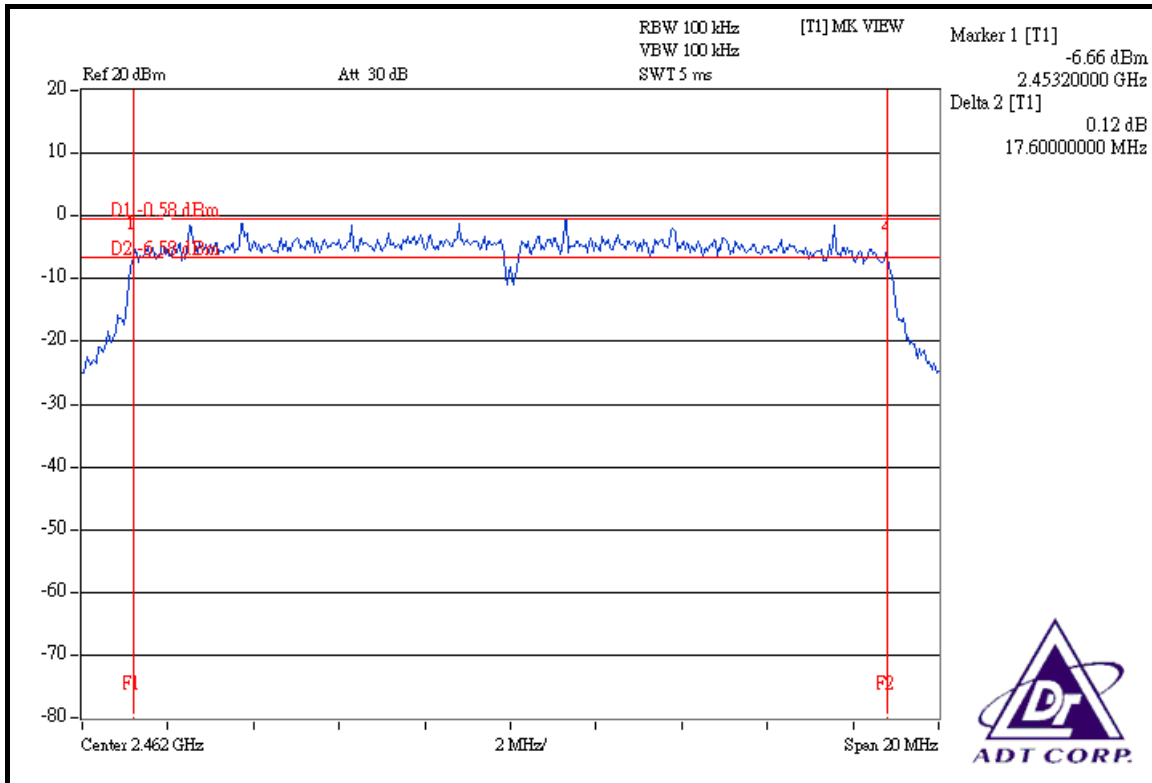
FOR CHAIN 0: CH 1



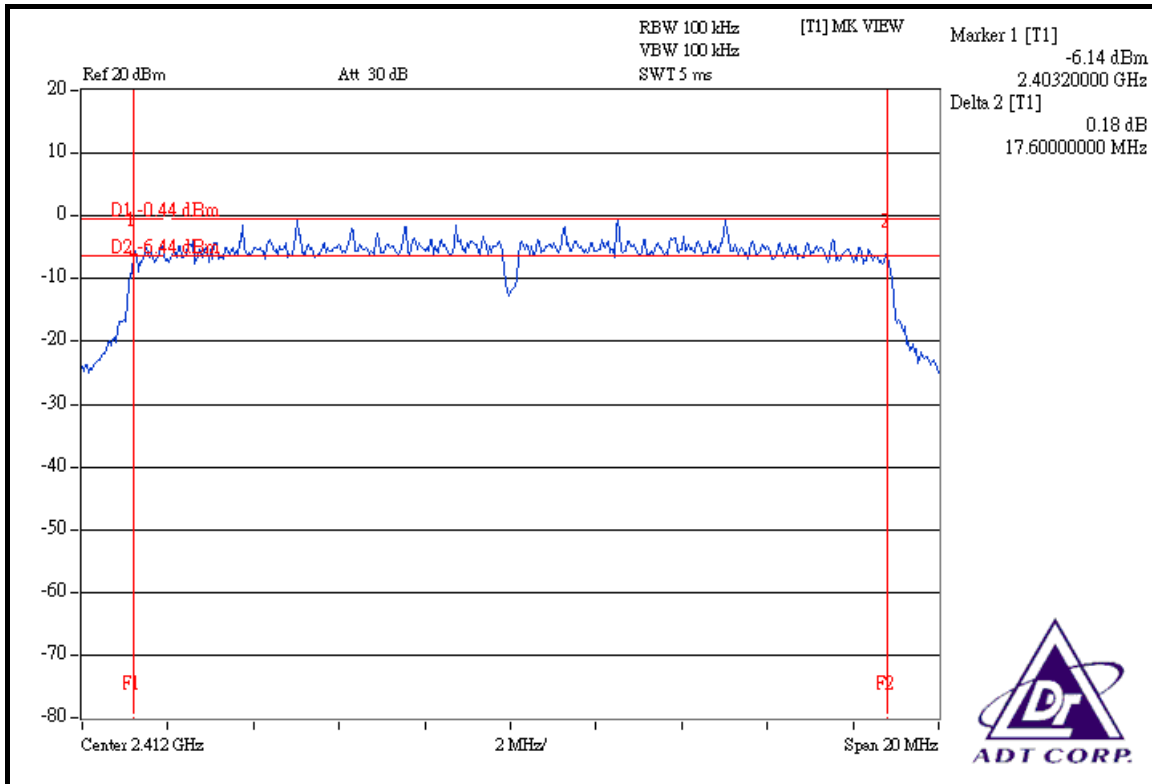
CH 6



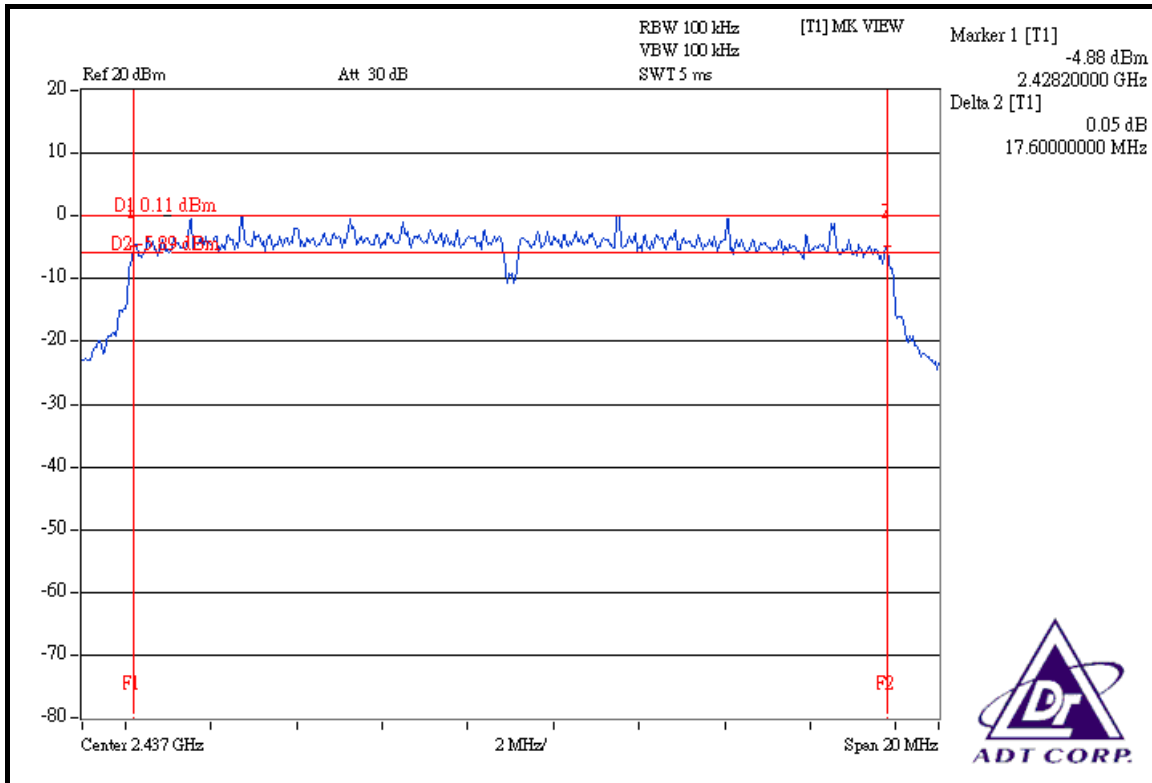
CH 11



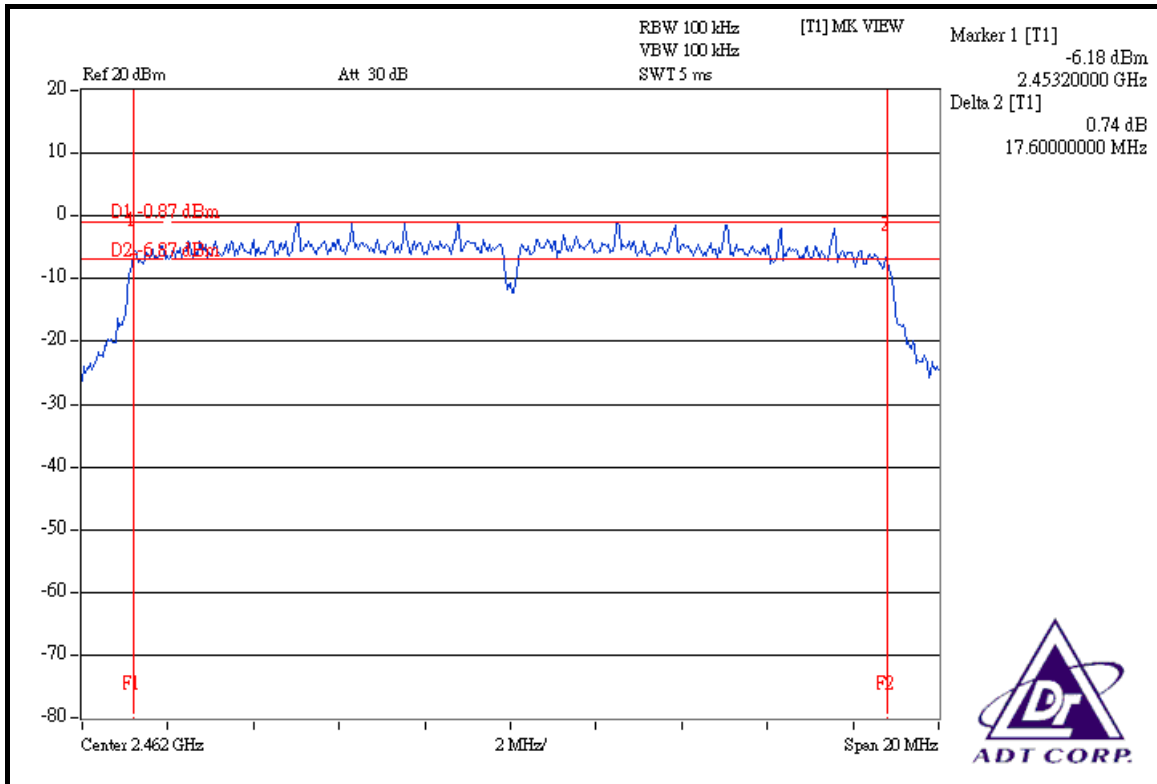
FOR CHAIN 1: CH 1



CH 6



CH 11



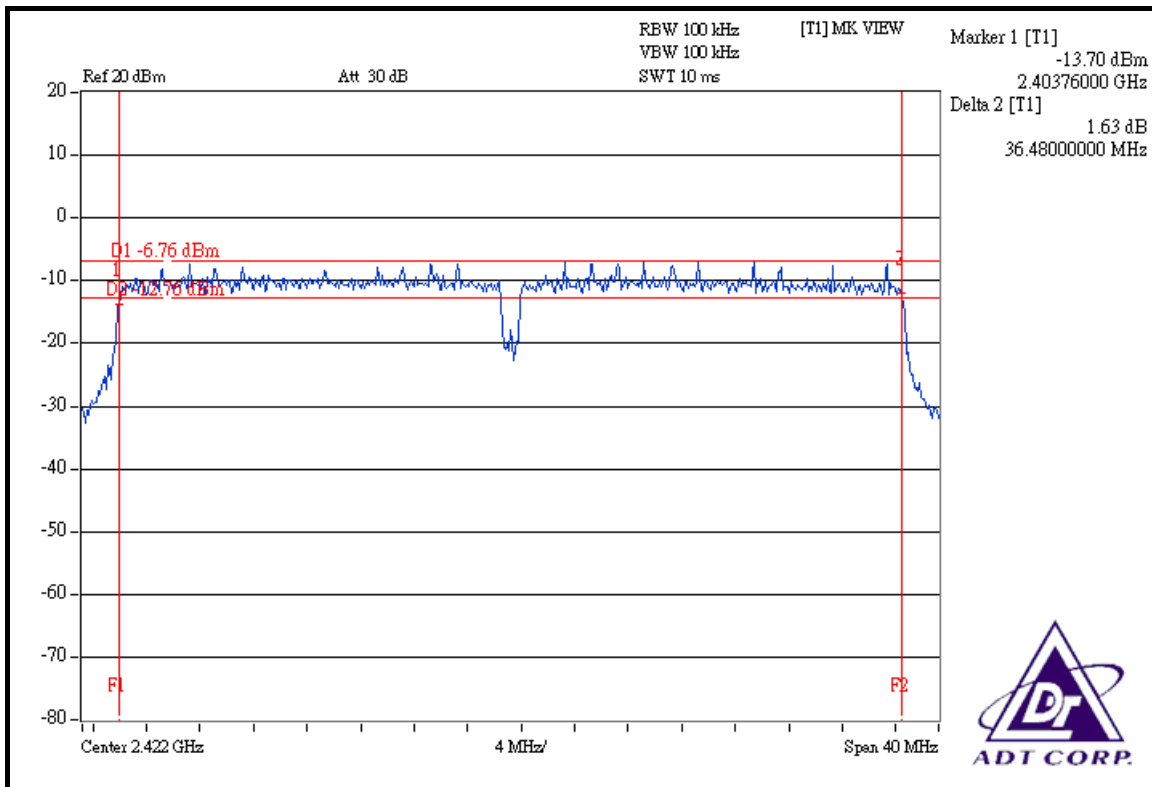


DRAFT 802.11n (40MHz) OFDM MODULATION: DUAL TX:

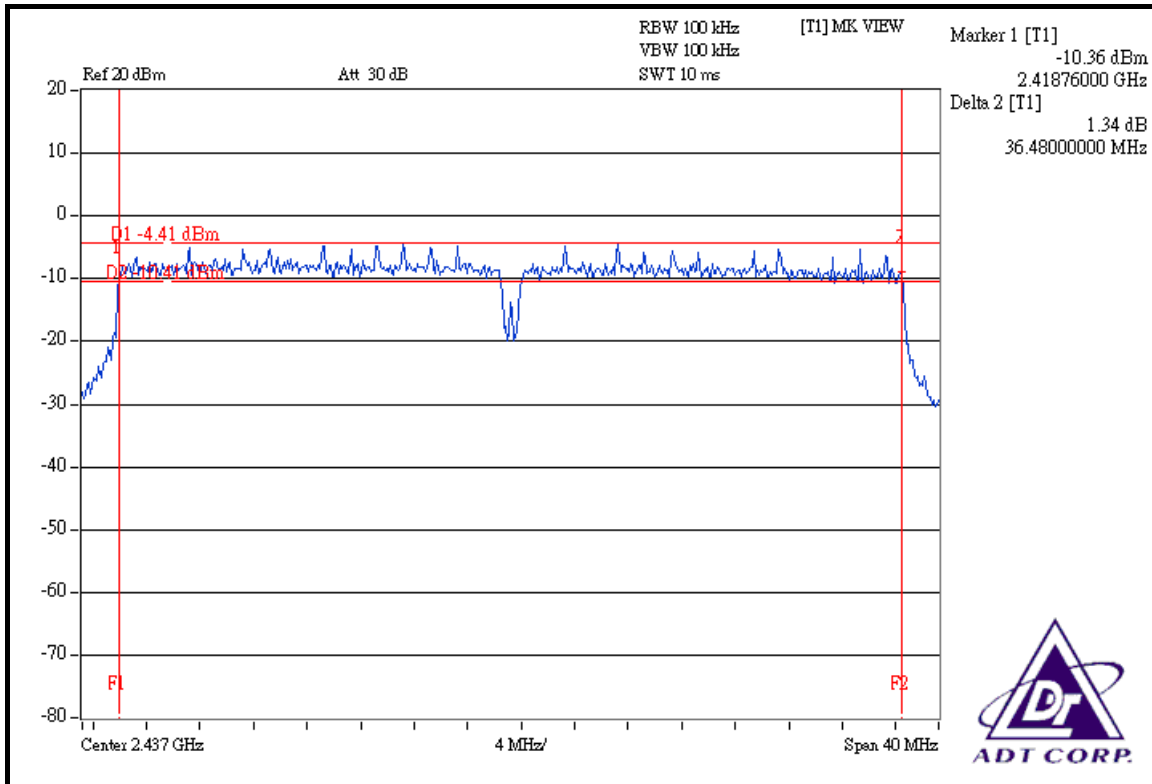
MODULATION TYPE	BPSK	TRANSFER RATE	15Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 65%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
1	2422	36.48	36.48	0.5	PASS
4	2437	36.48	36.48	0.5	PASS
7	2452	36.40	36.48	0.5	PASS

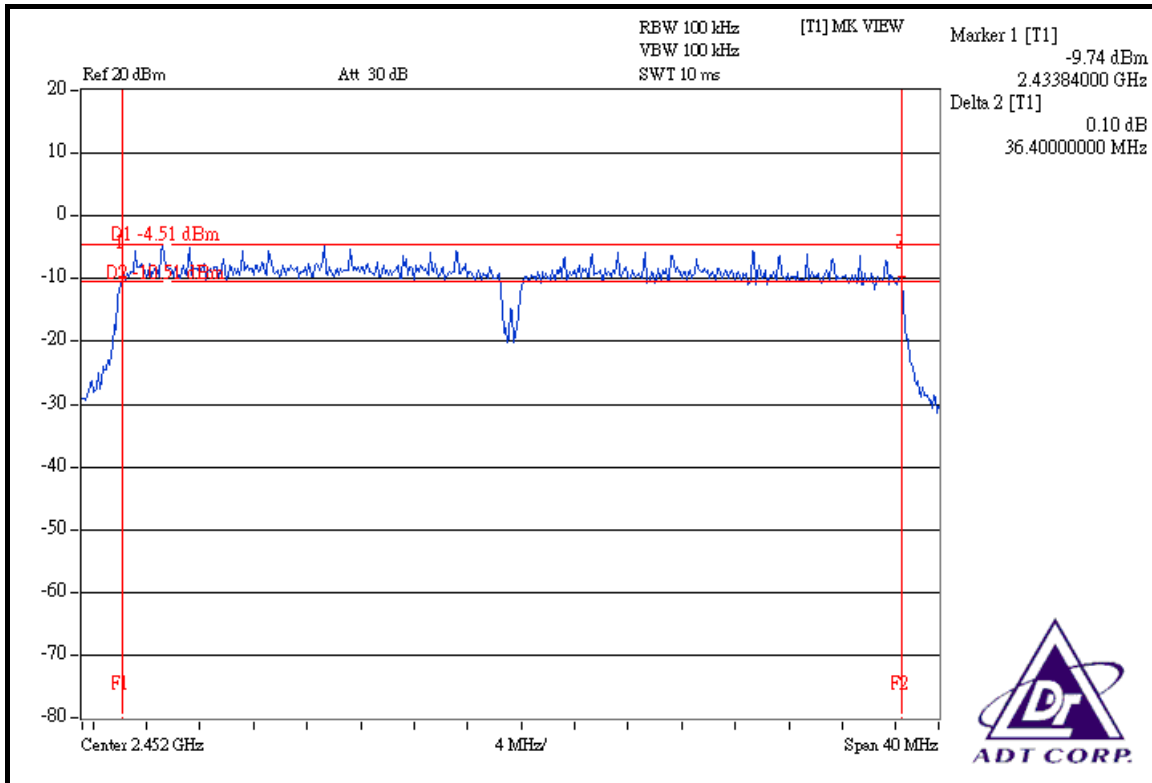
FOR CHAIN 0: CH 1



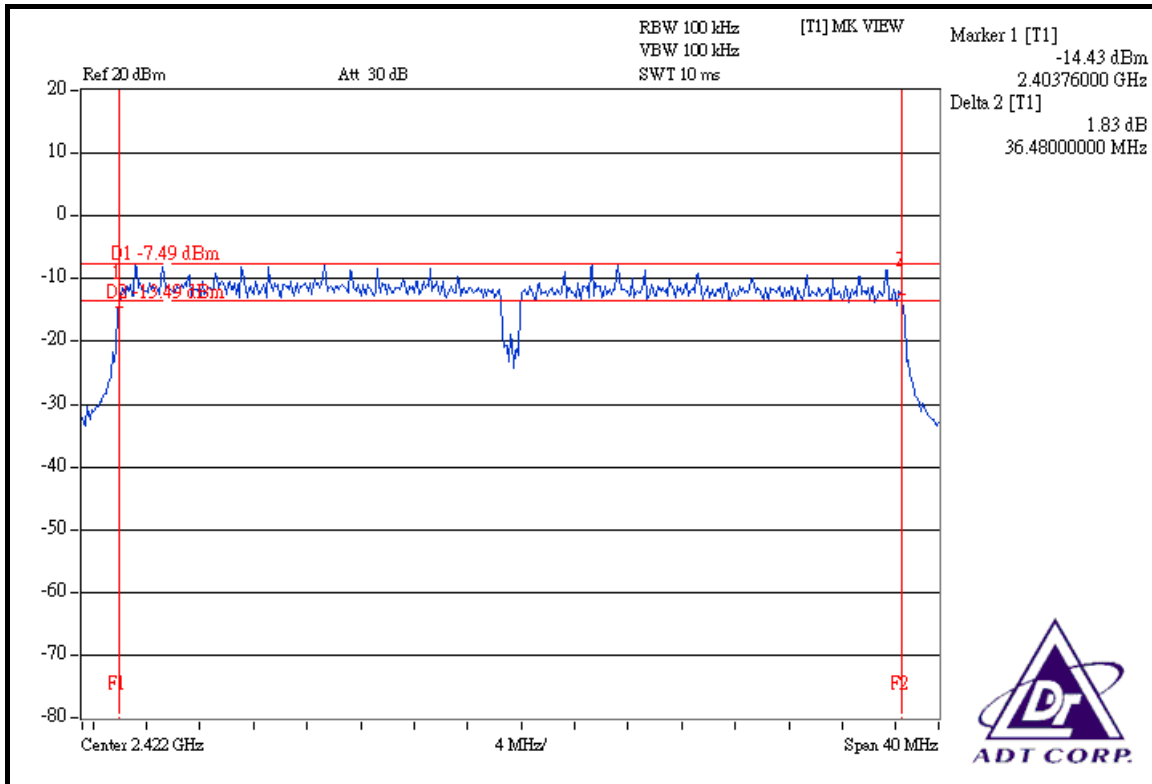
CH 4



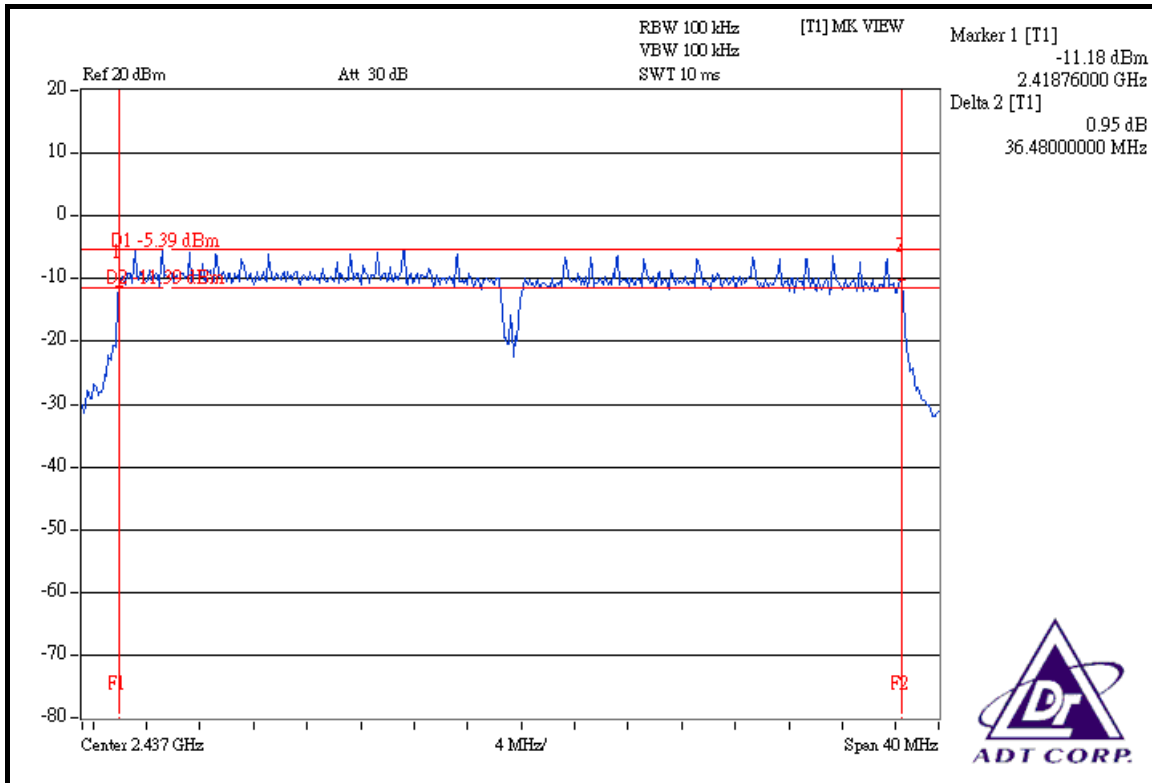
CH 7



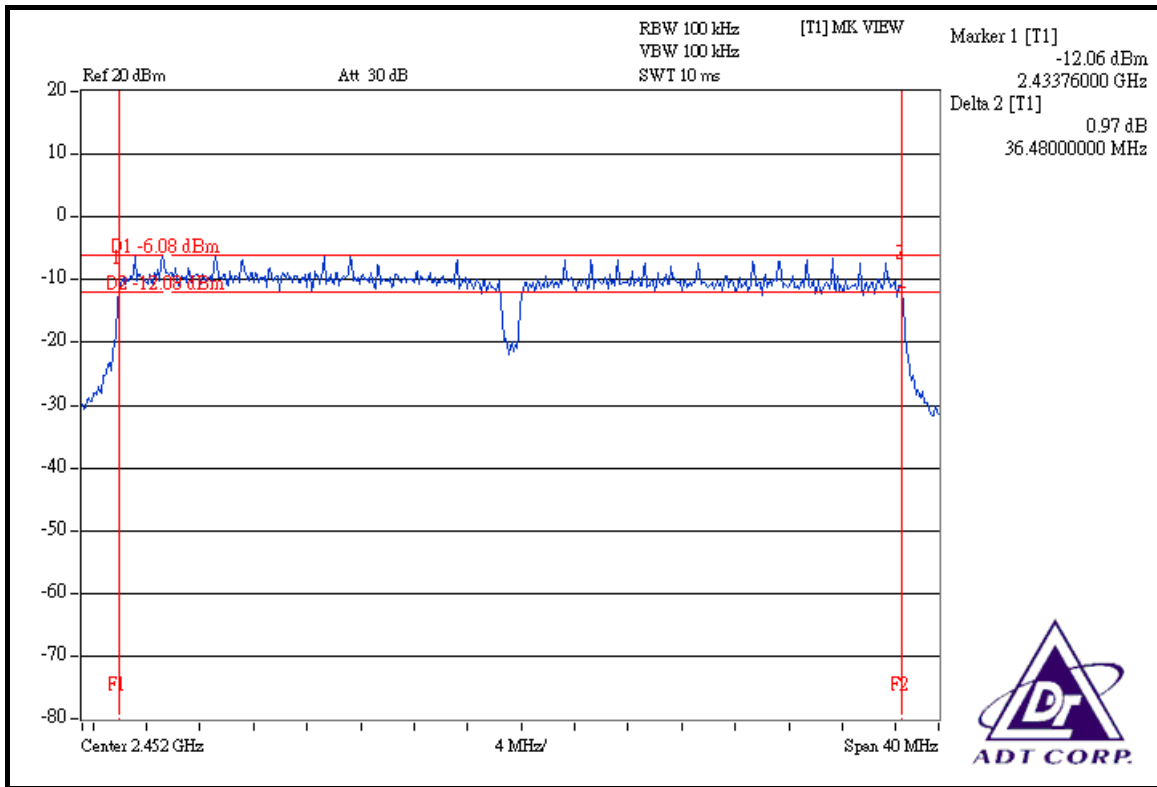
FOR CHAIN 1: CH 1



CH 4



CH 7



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
R&S SIGNAL GENERATOR	SML03	102843	Aug. 31, 2007
TEKTRONIX OSCILLOSCOPE	TDS1012	C037299	Nov. 27, 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.

4.4.3 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 DEVIATION FROM TEST STANDARD

No deviation

4.4.5 TEST SETUP



4.4.6 EUT OPERATING CONDITIONS

Same as Item 4.3.6.

4.4.7 TEST RESULTS

802.11b DSSS MODULATION:

MODULATION TYPE	DBPSK	TRANSFER RATE	1Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 65%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	82.985	19.19	30	PASS
6	2437	80.168	19.04	30	PASS
11	2462	80.538	19.06	30	PASS

802.11g OFDM MODULATION:

MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 65%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	72.111	18.58	30	PASS
6	2437	82.414	19.16	30	PASS
11	2462	72.611	18.61	30	PASS



DRAFT 802.11n (20MHz) OFDM MODULATION: DUAL TX:

MODULATION TYPE	BPSK	TRANSFER RATE	7.2Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 65%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)		PEAK POWER OUTPUT (dBm)		TOTAL PEAK POWER (mW)	TOTAL PEAK POWER (dBm)	PEAK POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
1	2412	40.272	35.645	16.05	15.52	76.917	18.86	30	PASS
6	2437	50.466	44.668	17.03	16.50	96.134	19.83	30	PASS
11	2462	41.687	38.726	16.20	15.88	81.413	19.11	30	PASS

DRAFT 802.11n (40MHz) OFDM MODULATION: DUAL TX:

MODULATION TYPE	BPSK	TRANSFER RATE	15Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 65%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)		PEAK POWER OUTPUT (dBm)		TOTAL PEAK POWER (mW)	TOTAL PEAK POWER (dBm)	PEAK POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
1	2422	17.824	15.922	12.51	12.02	34.746	15.41	30	PASS
4	2437	28.445	25.293	14.54	14.03	54.738	17.38	30	PASS
7	2452	25.527	22.491	14.07	13.52	49.018	16.90	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

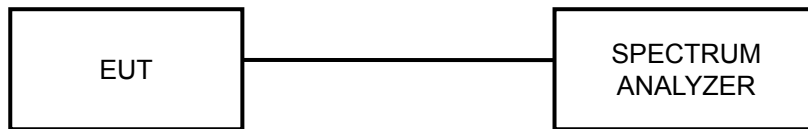
The transmitter output was connected to the spectrum analyzer through an attenuator, the bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3kHz RBW and 30kHz VBW, set sweep time = span/3kHz. The power spectral density was measured and recorded.

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.

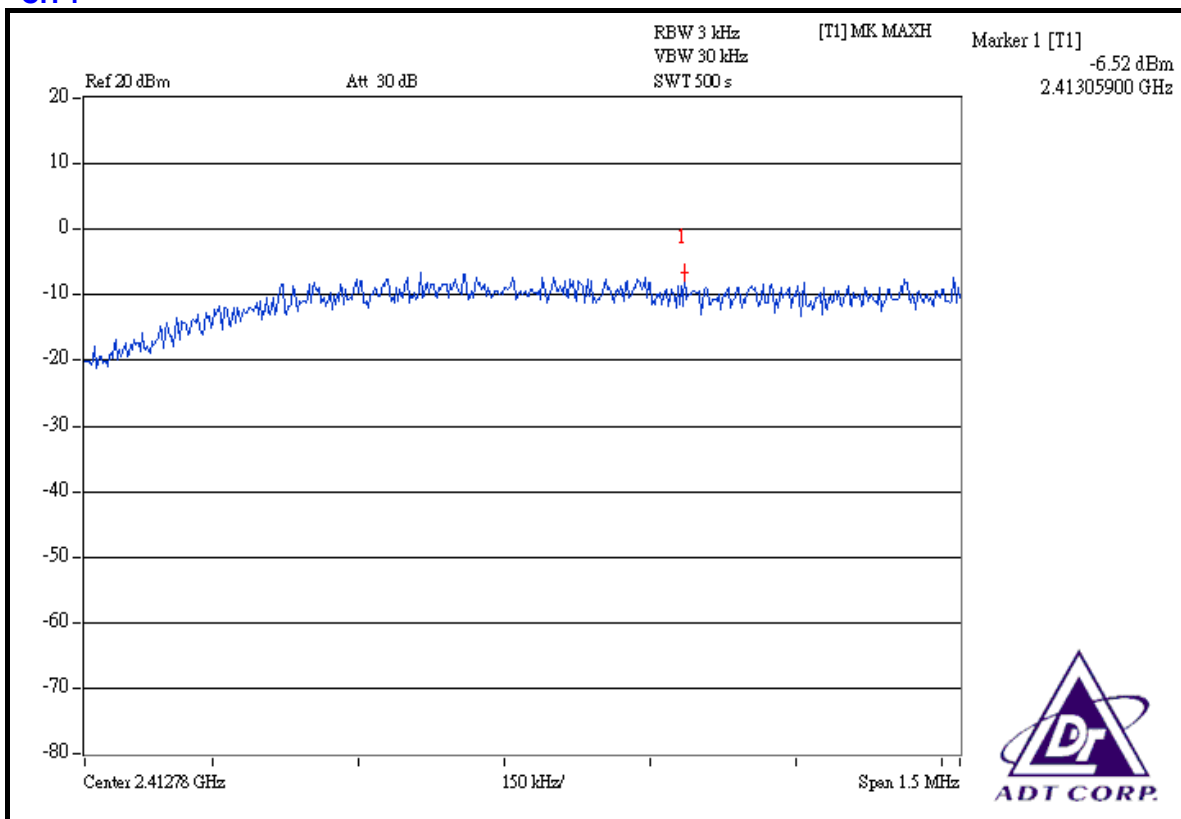
4.5.7 TEST RESULTS

802.11b DSSS MODULATION:

MODULATION TYPE	DBPSK	TRANSFER RATE	1Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 65%RH, 991hPa
TESTED BY	Morgan Chen		

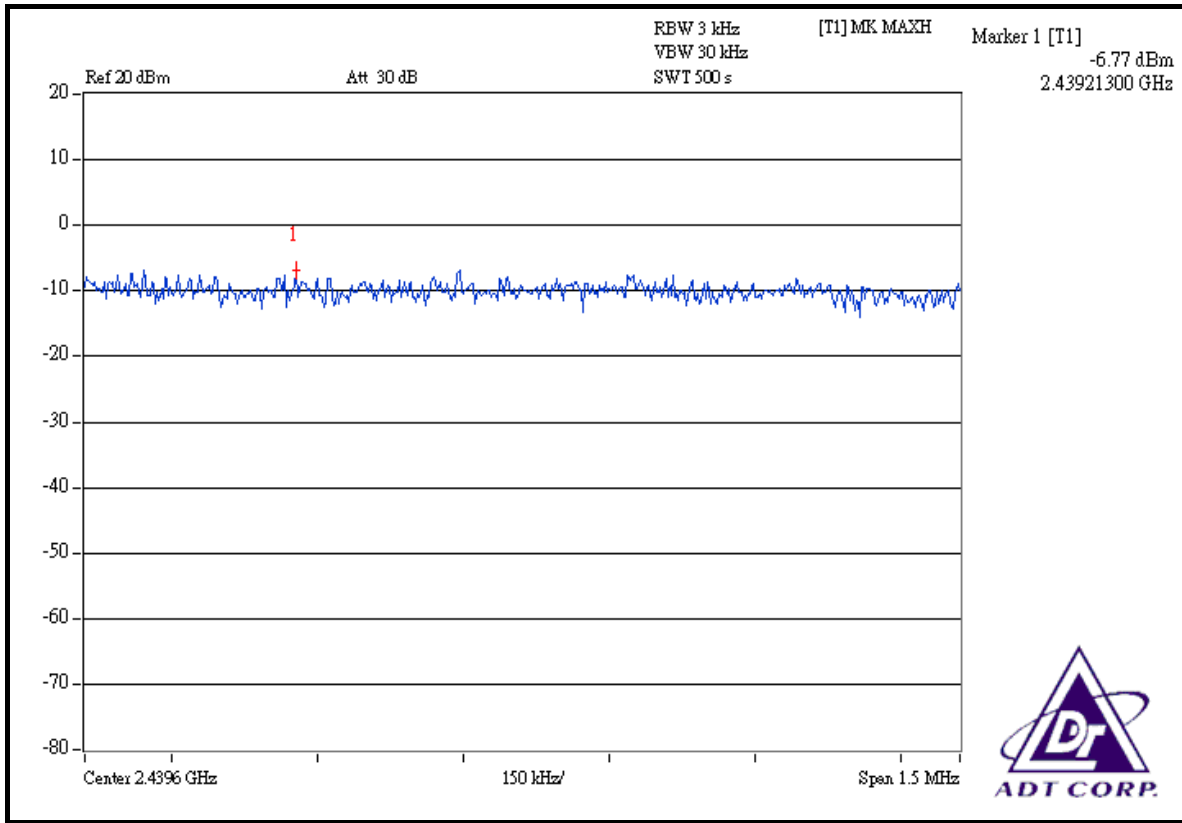
CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-6.52	8	PASS
6	2437	-6.77	8	PASS
11	2462	-6.75	8	PASS

CH 1

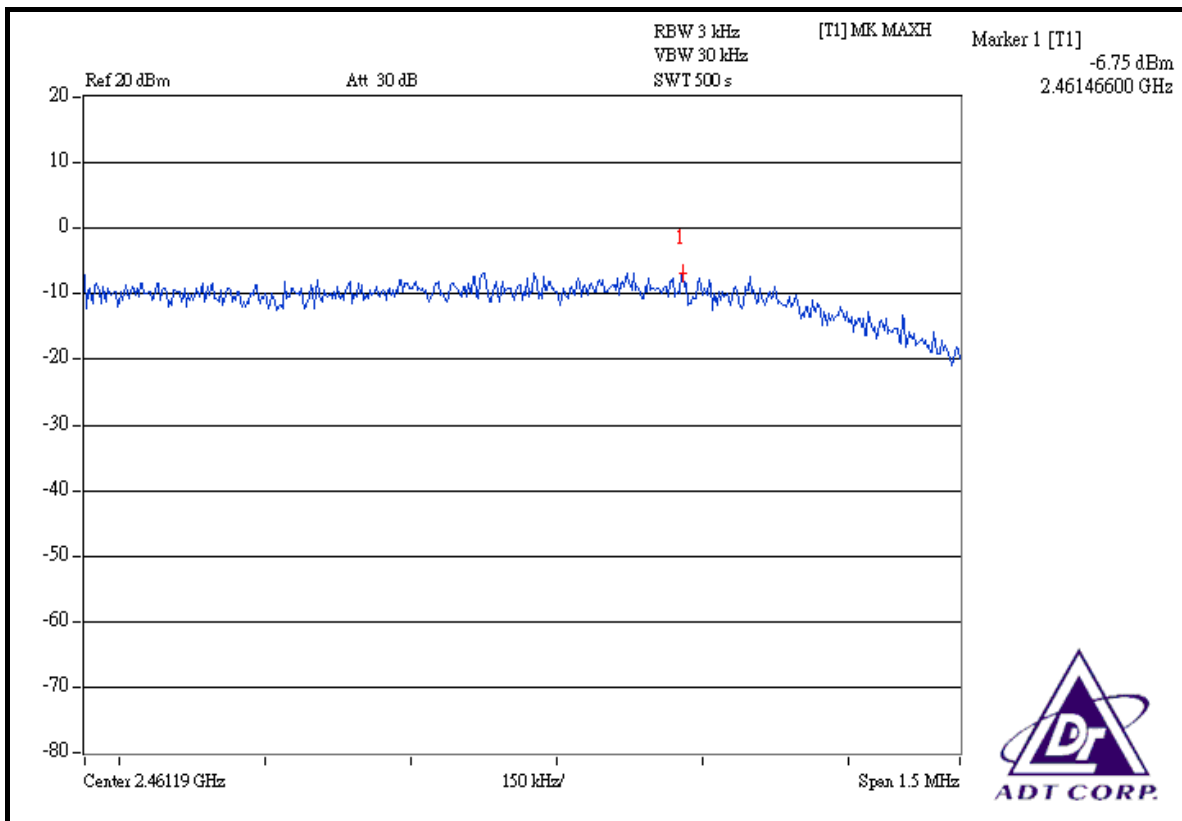




CH 6



CH 11



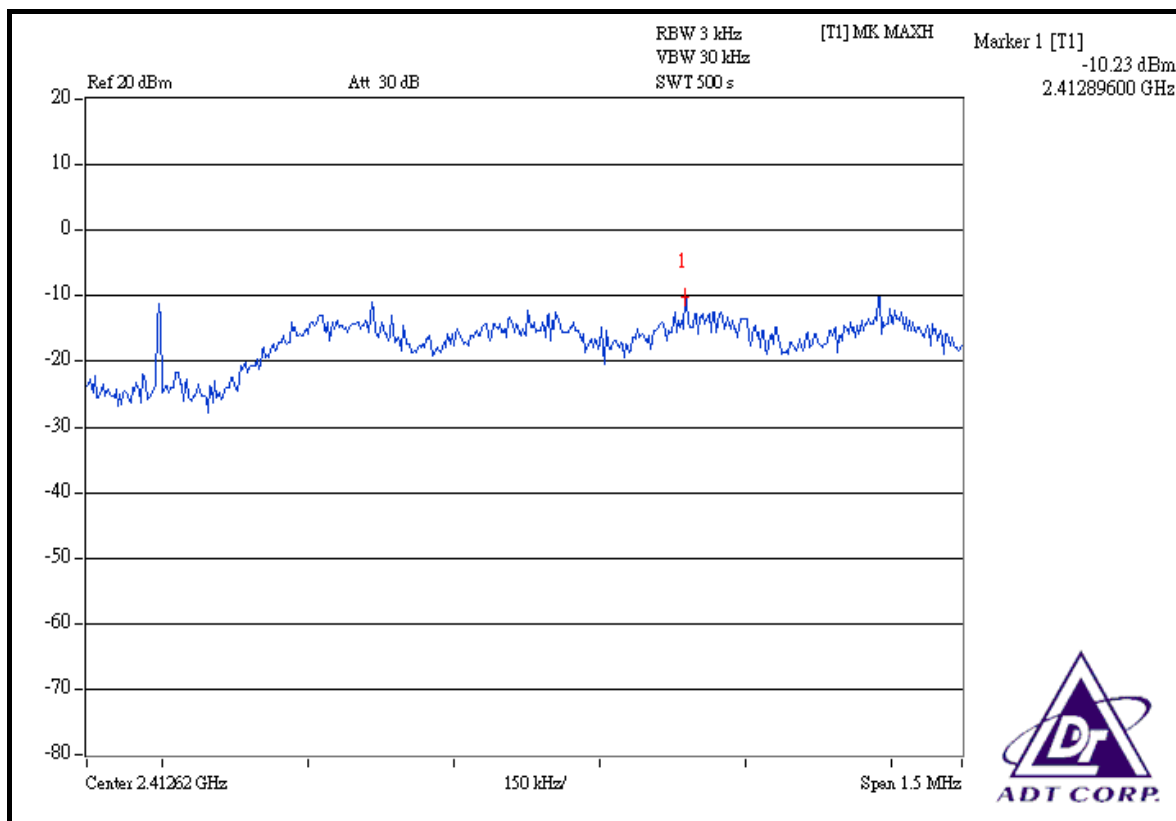


802.11g OFDM MODULATION:

MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 65%RH, 991hPa
TESTED BY	Morgan Chen		

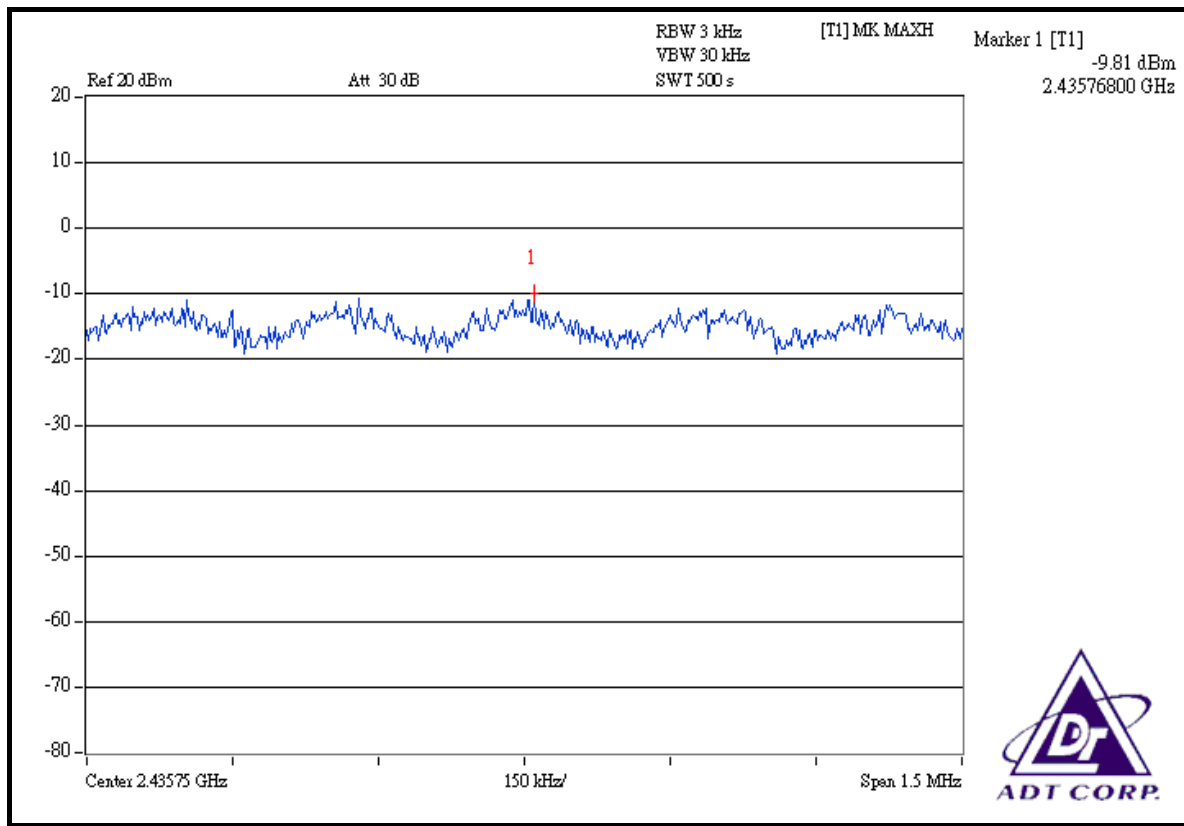
CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-10.23	8	PASS
6	2437	-9.81	8	PASS
11	2462	-10.05	8	PASS

CH 1

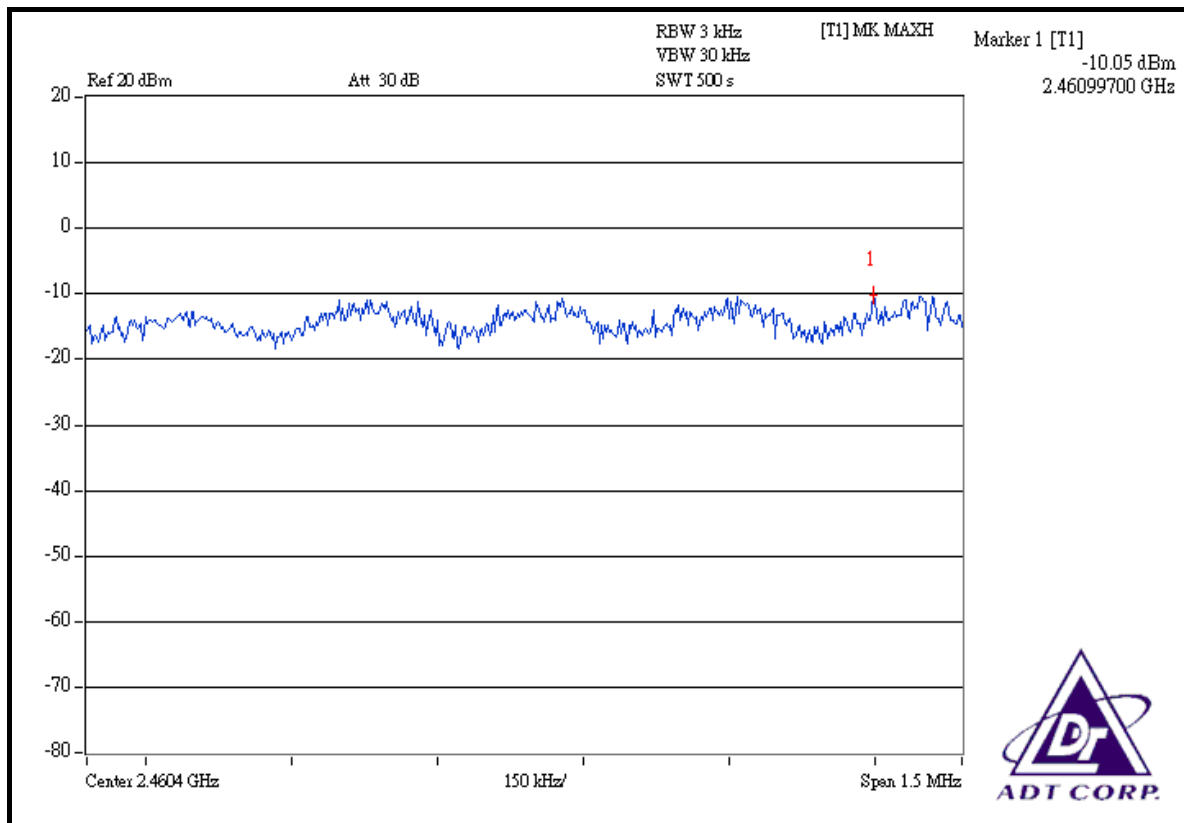




CH 6



CH 11



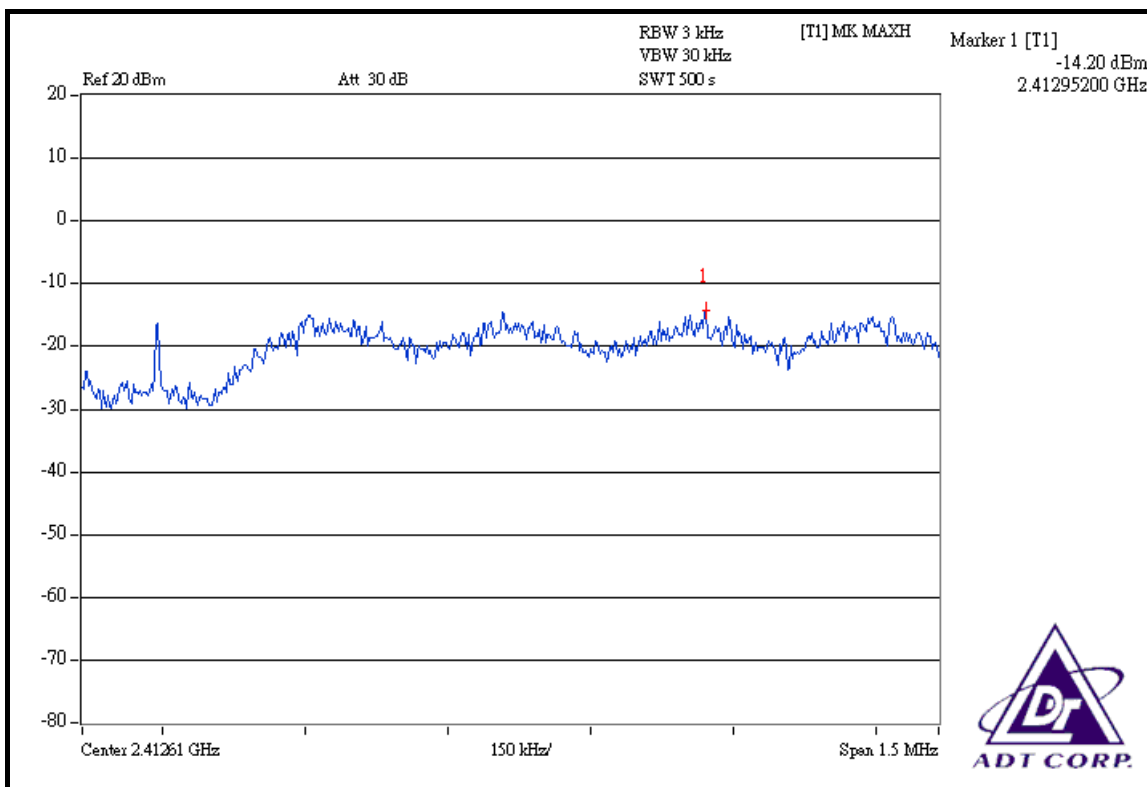


DRAFT 802.11n (20MHz) OFDM MODULATION: DUAL TX:

MODULATION TYPE	BPSK	TRANSFER RATE	7.2Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 65%RH, 991hPa
TESTED BY	Morgan Chen		

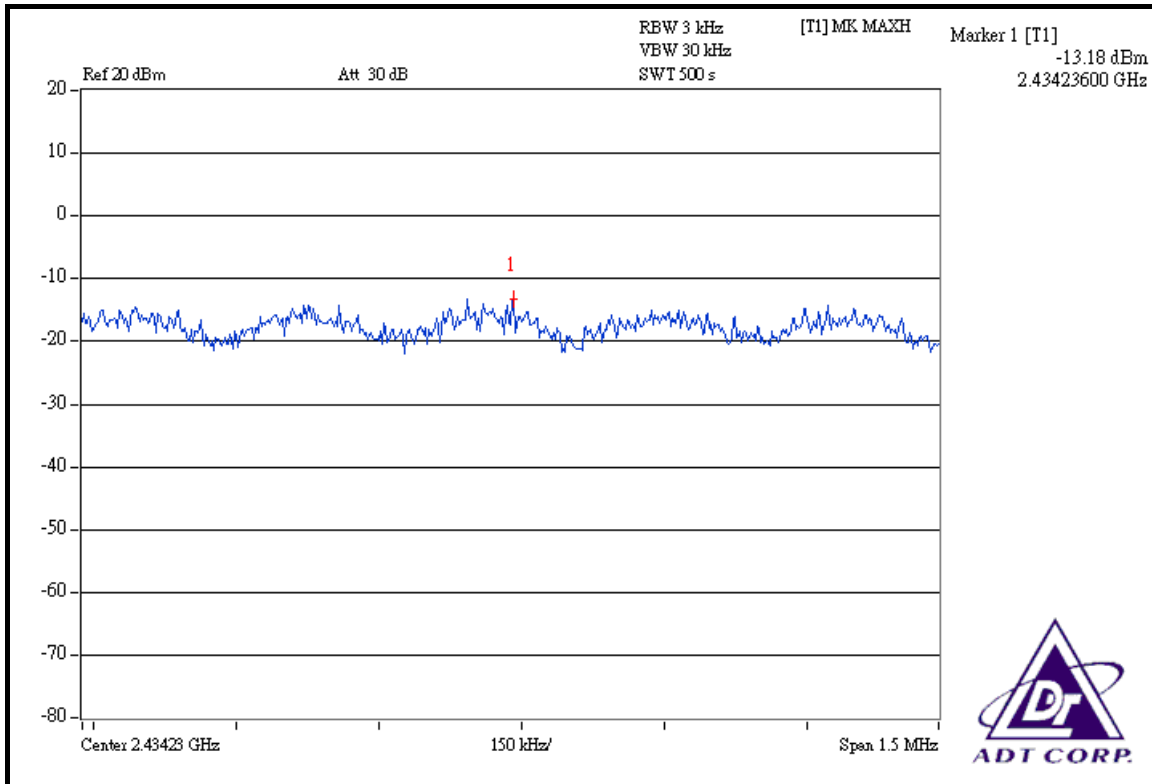
CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3kHz BW (mW)		RF POWER LEVEL IN 3kHz BW (dBm)		TOTAL POWER DENSITY (mW)	TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
1	2412	0.038	0.038	-14.20	-14.23	0.076	-11.192	8	PASS
6	2437	0.048	0.047	-13.18	-13.29	0.095	-10.223	8	PASS
11	2462	0.039	0.041	-14.08	-13.84	0.080	-10.969	8	PASS

FOR CHAIN 0: CH 1

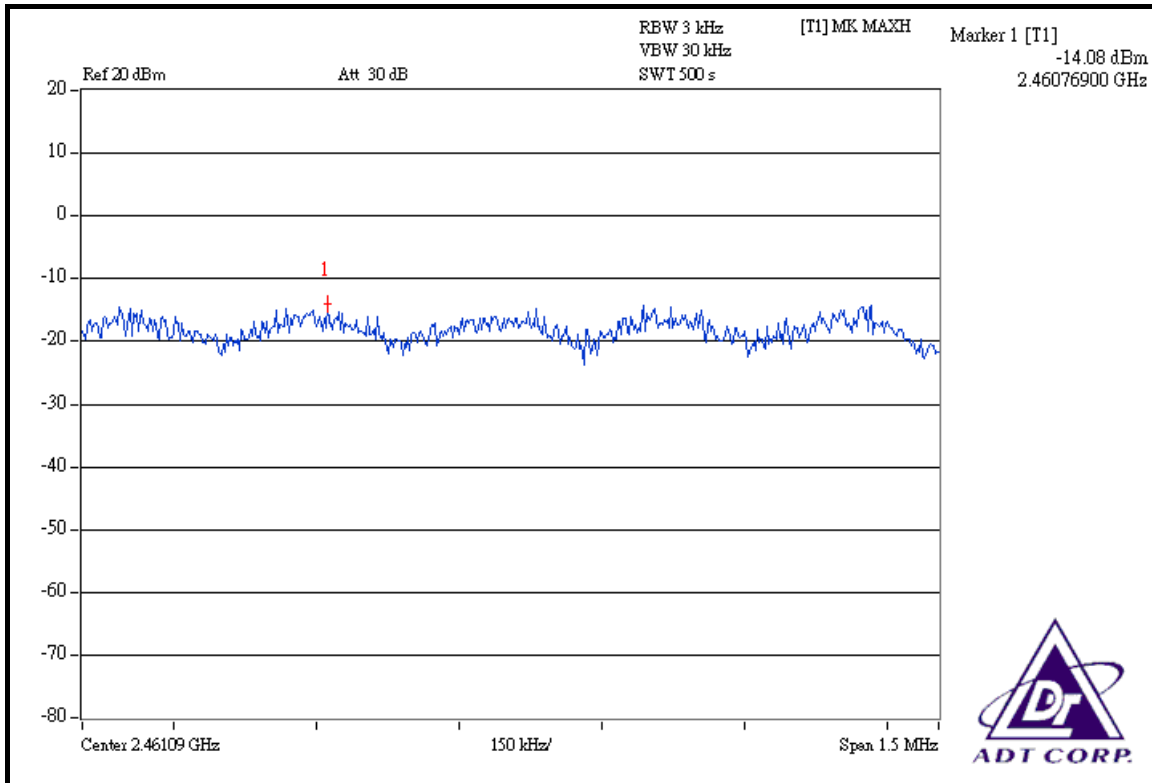




CH 6

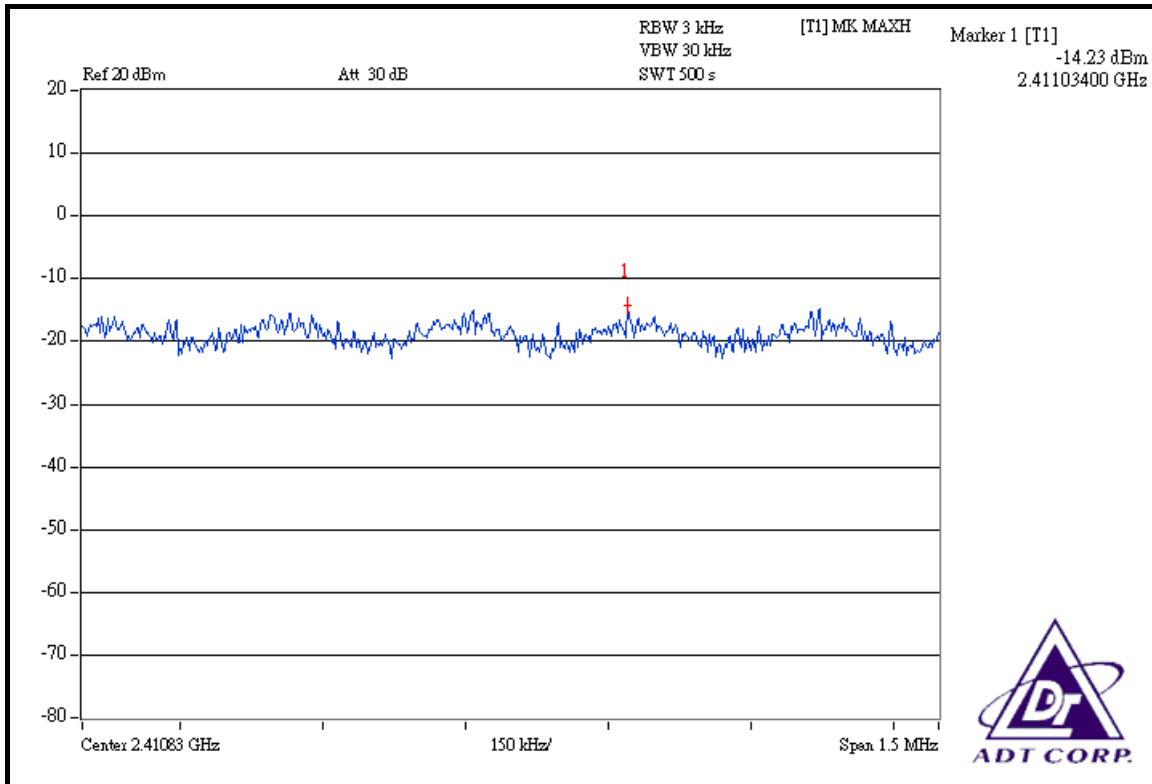


CH 11

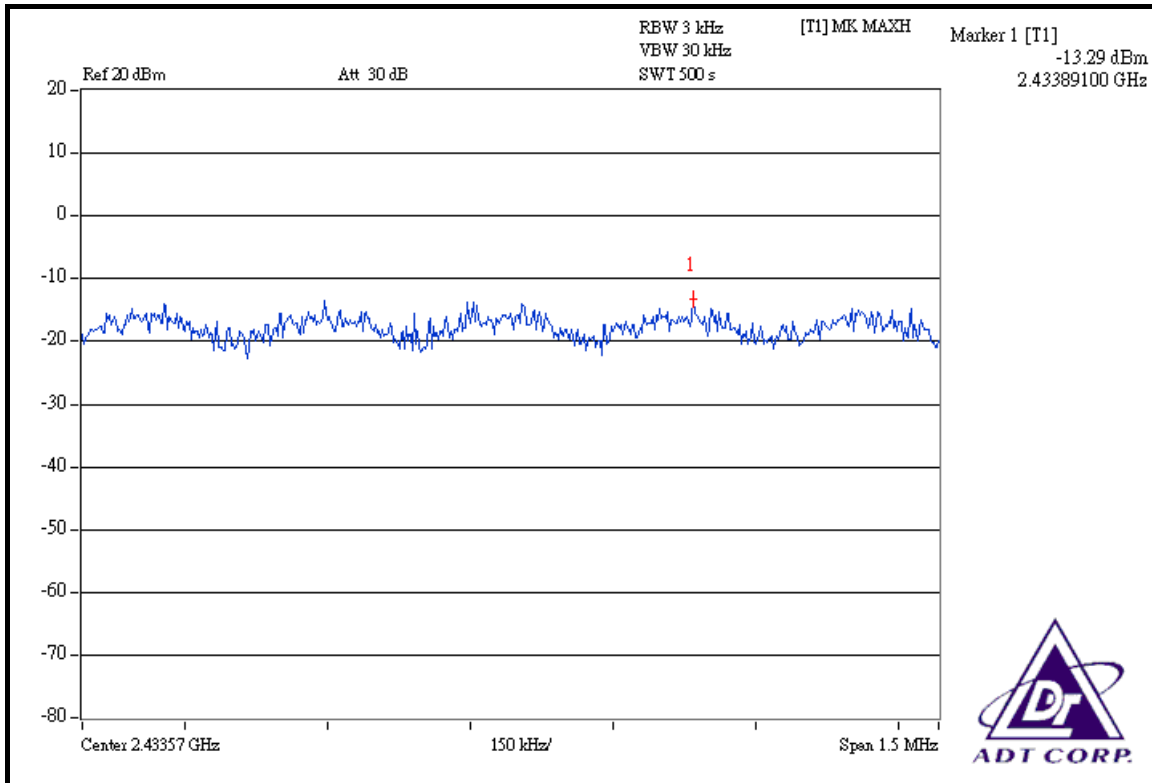




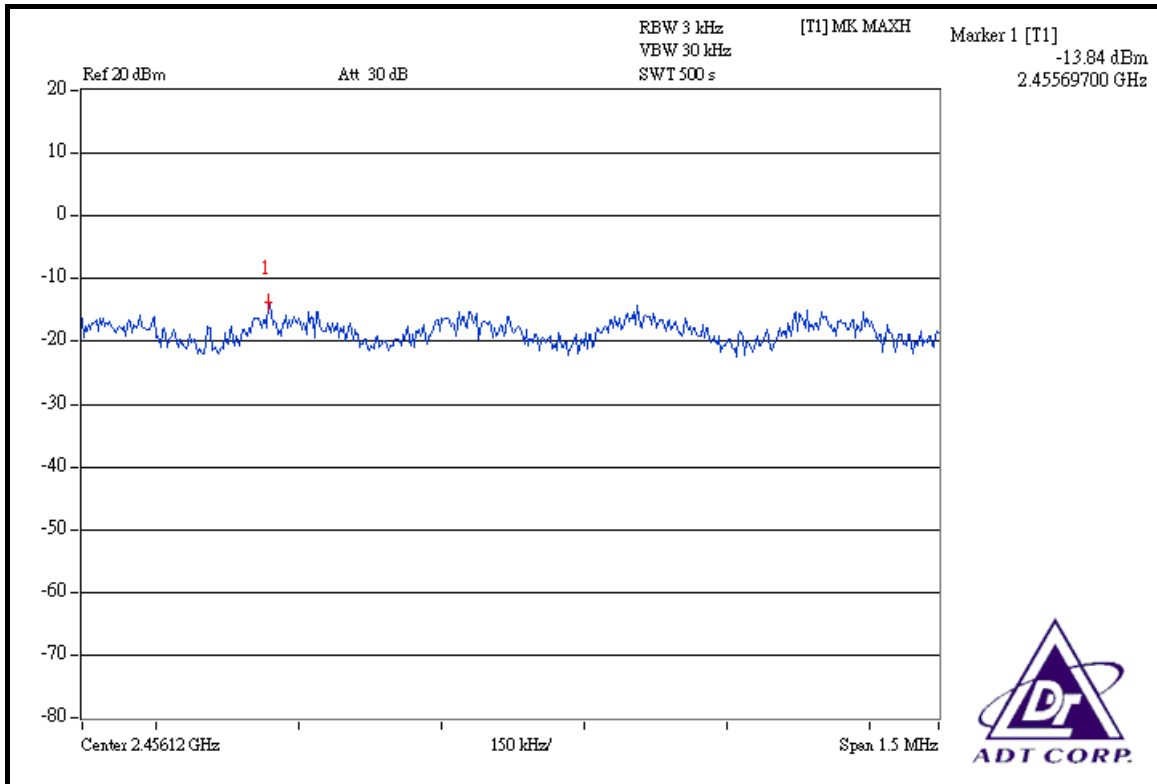
FOR CHAIN 1: CH 1



CH 6



CH 11



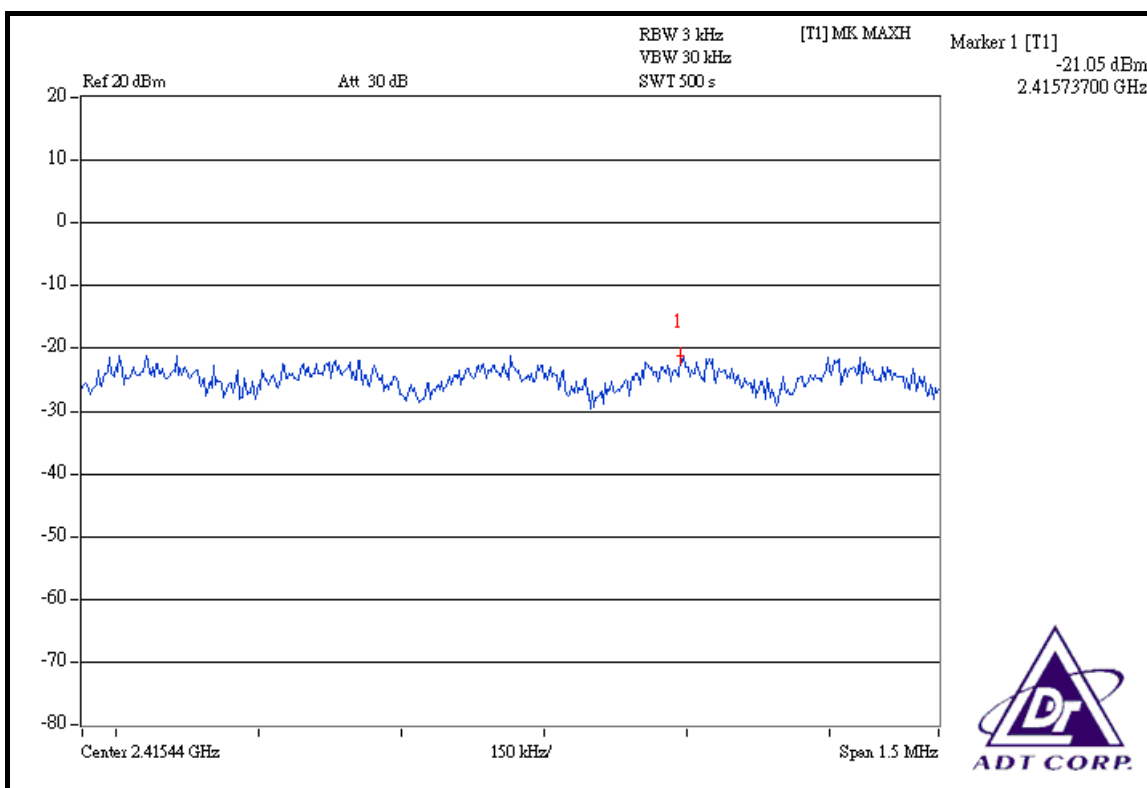


DRAFT 802.11n (40MHz) OFDM MODULATION: DUAL TX:

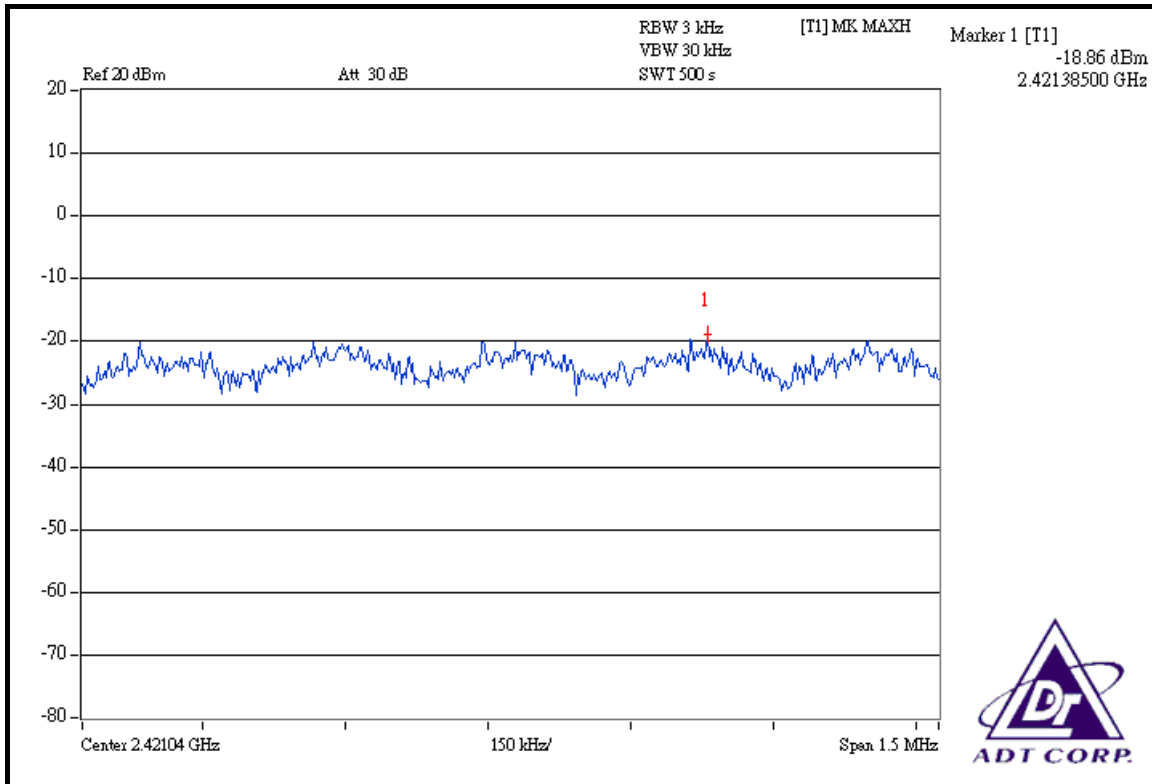
MODULATION TYPE	BPSK	TRANSFER RATE	15Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	25deg.C, 65%RH, 991hPa
TESTED BY	Morgan Chen		

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3kHz BW (mW)		RF POWER LEVEL IN 3kHz BW (dBm)		TOTAL POWER DENSITY (mW)	TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 0	CHAIN 1				
1	2422	0.008	0.007	-21.05	-21.69	0.015	-18.239	8	PASS
4	2437	0.013	0.010	-18.86	-19.89	0.023	-16.383	8	PASS
7	2452	0.011	0.010	-19.49	-20.06	0.021	-16.778	8	PASS

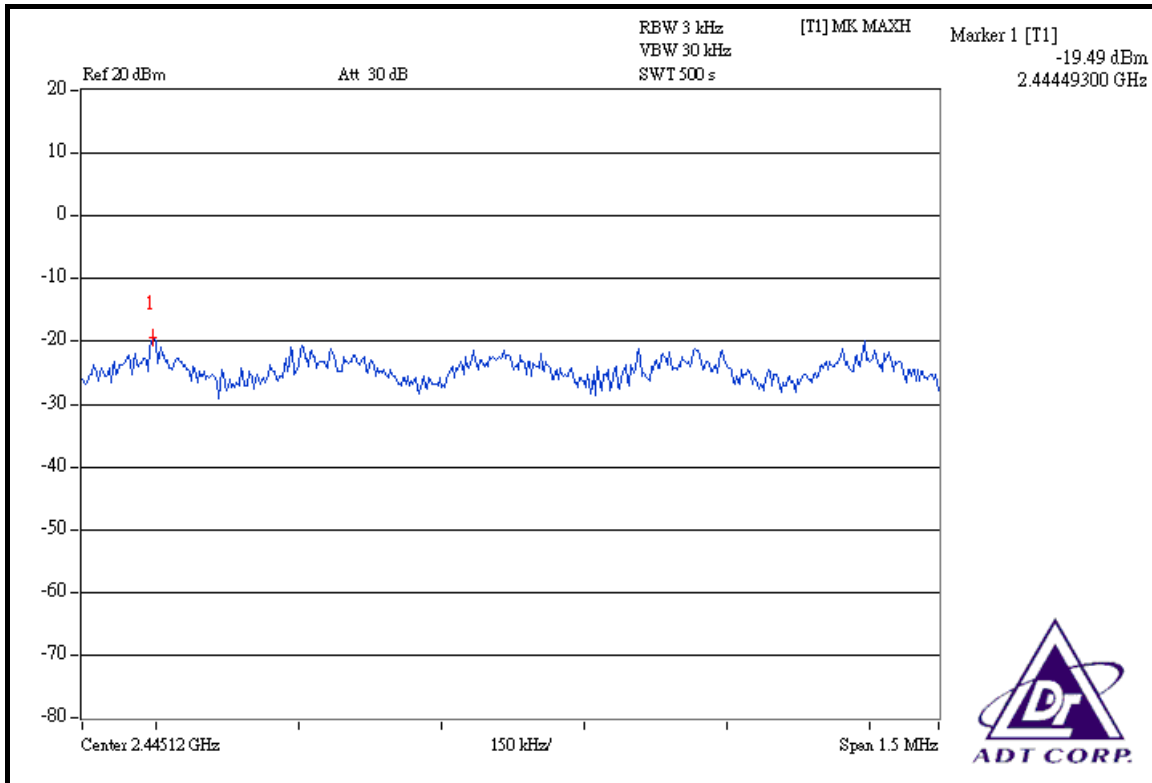
FOR CHAIN 0: CH 1



CH 4

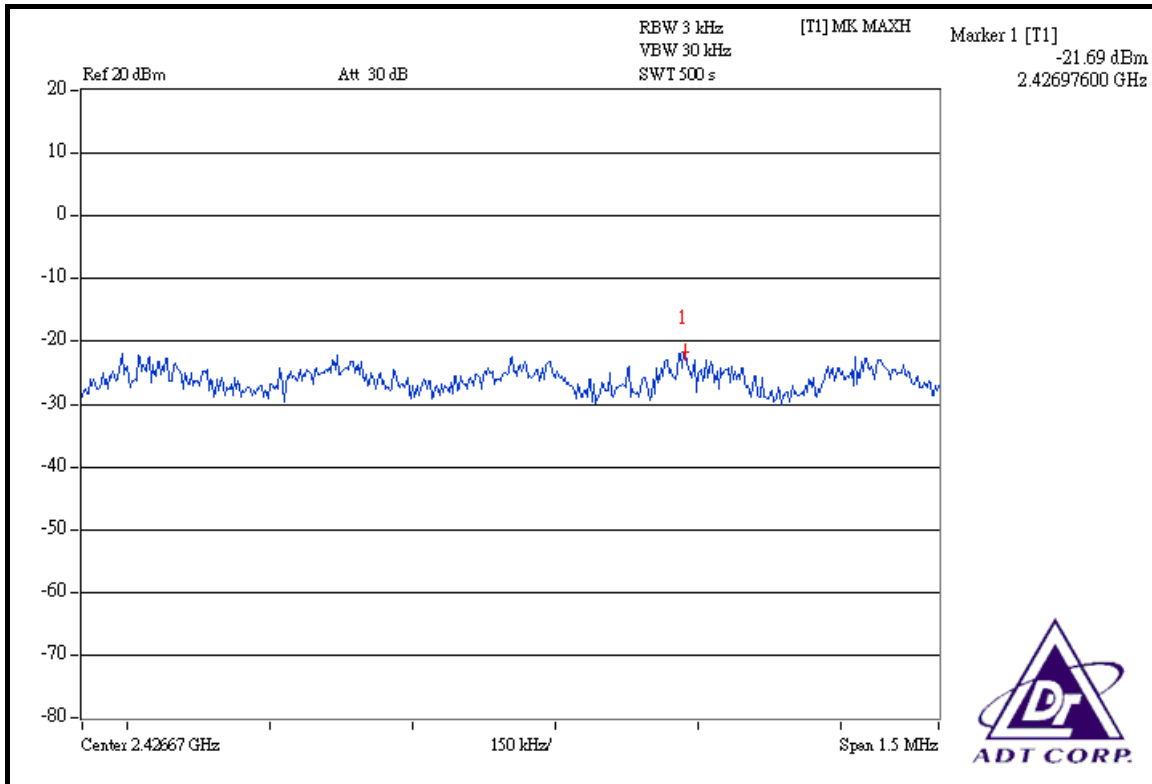


CH 7

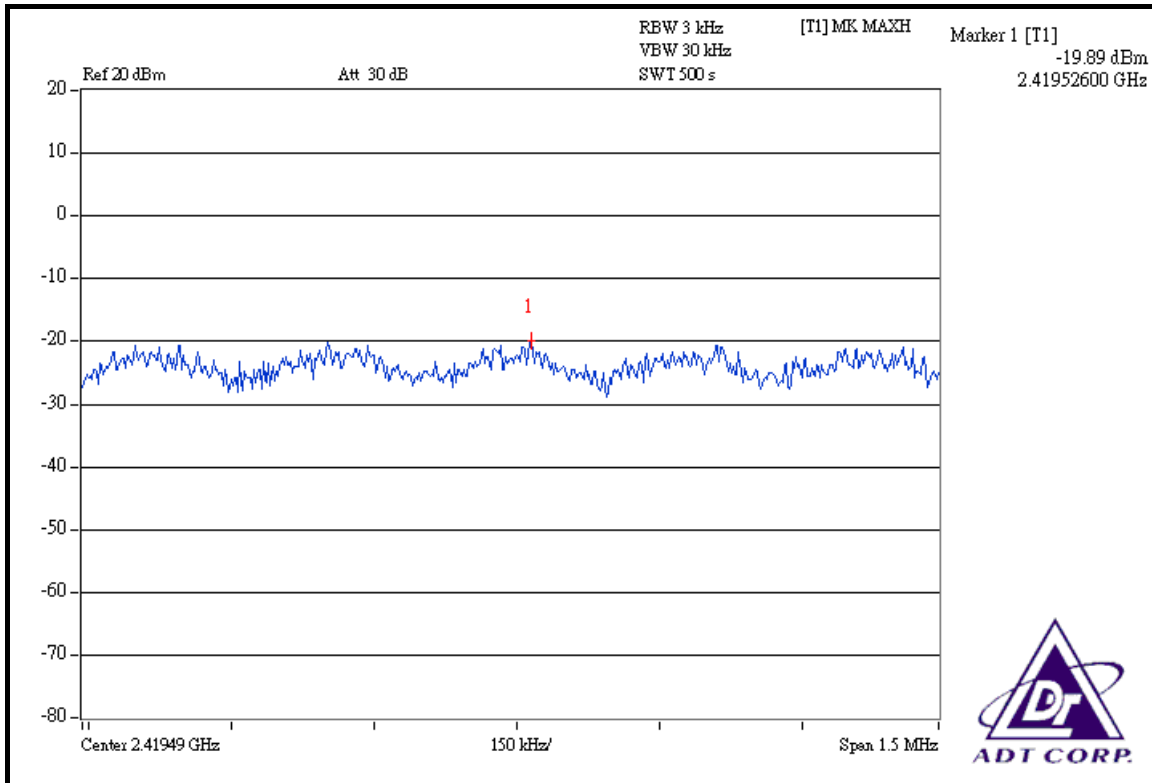




FOR CHAIN 1: CH 1

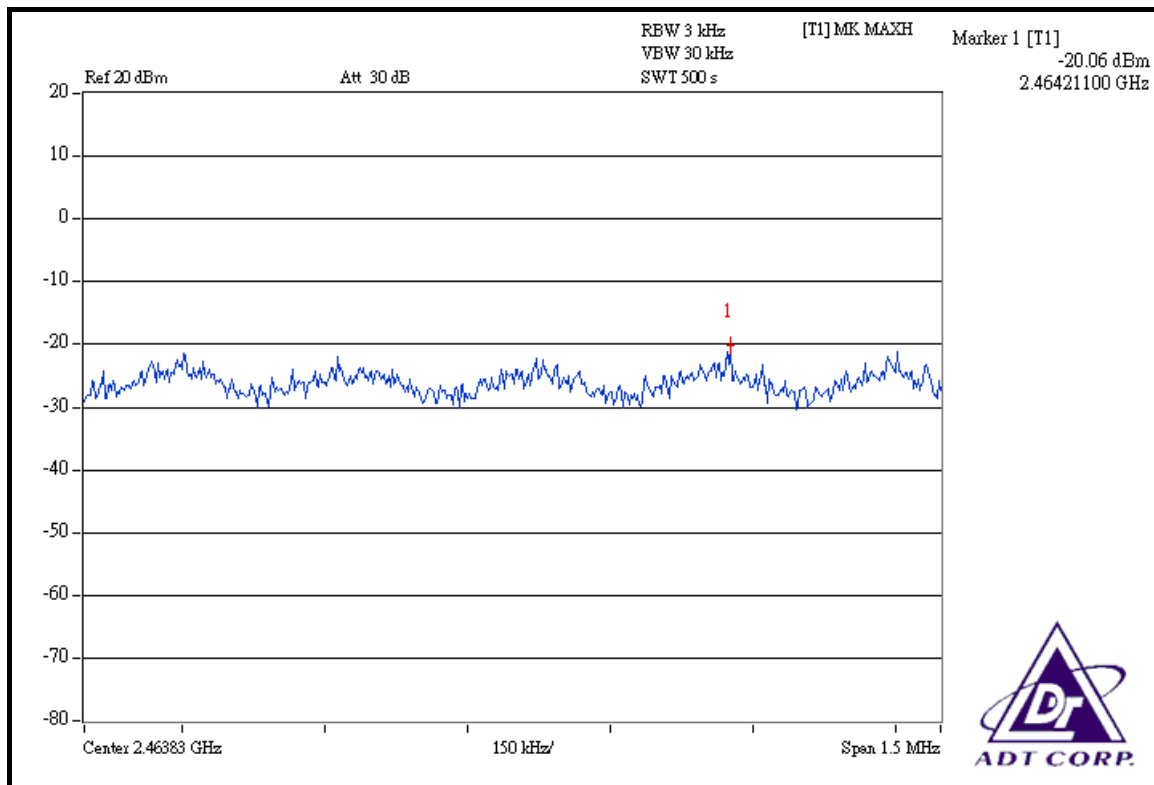


CH 4





CH 7



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
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Aug. 07, 2007
BILOG Antenna SCHWARZBECK	VULB9168	9168-153	Jan. 04, 2008
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-563	Jul. 26, 2007
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170242	Jan. 16, 2008
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	218188/218189	Nov. 14, 2007
RF signal cable Worken	8D-FB	Cable-HYCH9-01	Aug. 16, 2007
Software	ADT_Radiated_V7.6	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA
Turn Table EMCO	2087-2.03	NA	NA
Antenna Tower & Turn Table Controller EMCO	2090	NA	NA

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

4.6.3 TEST PROCEDURE

For Single TX:

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 10Hz 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.

For Dual TX:

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter 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. Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span including 100MHz bandwidth from band edge. The band edges was measured and recorded.

The spectrum plots (Peak RBW = VBW = 100kHz; Average RBW = 1MHz, VBW = 10Hz)

NOTE: 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.

4.6.4 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 24 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:

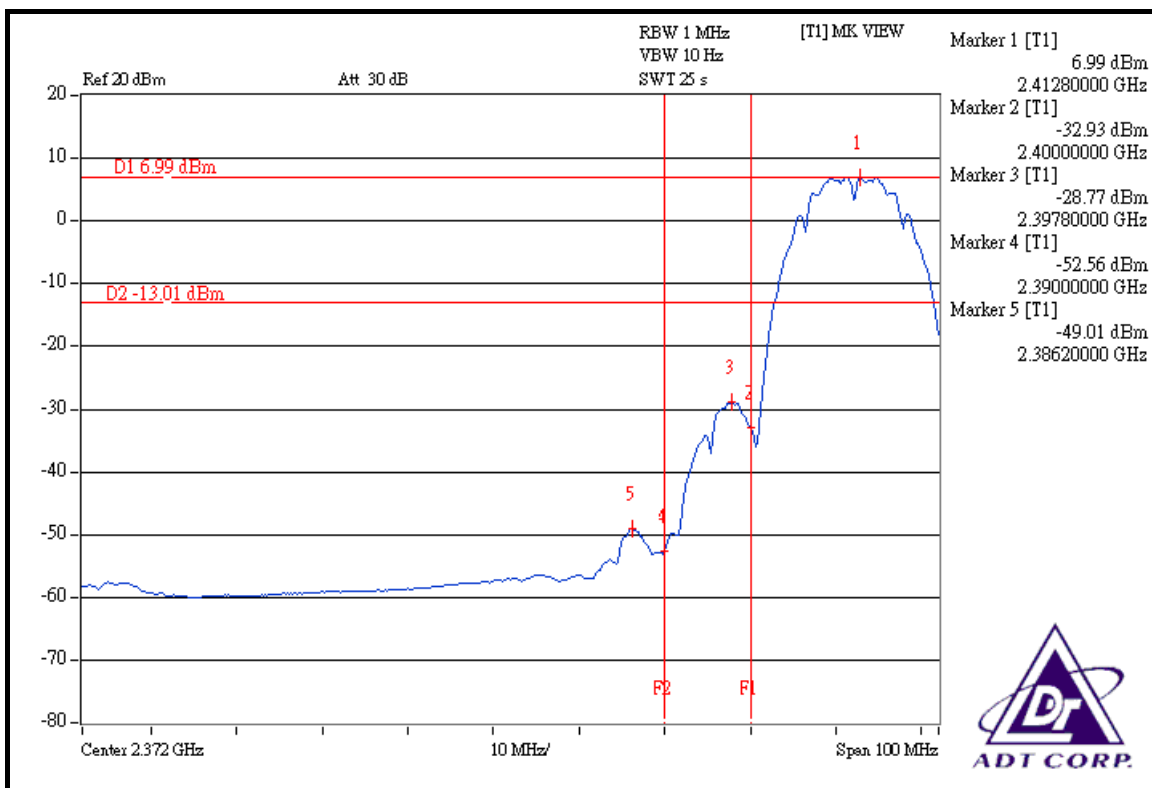
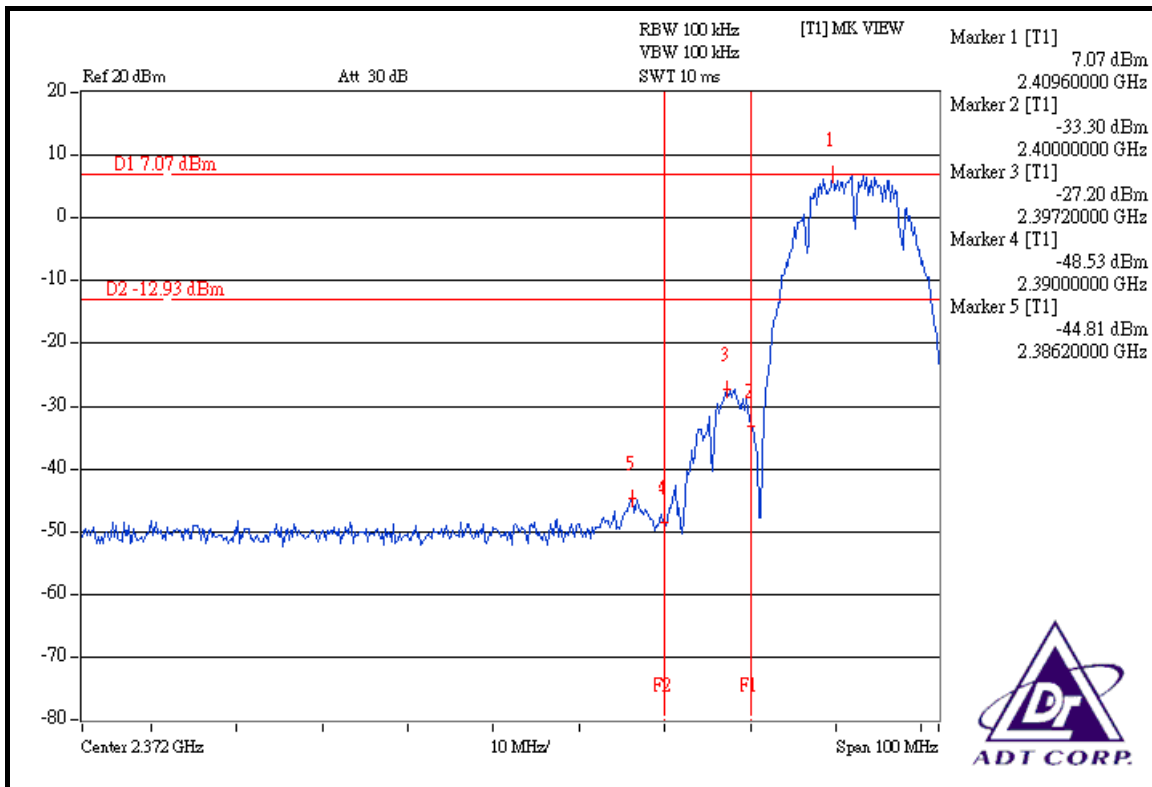
The band edge emission plot of DSSS technique on the next page shows 51.88dBc between carrier maximum power and local maximum emission in restrict band (2.3862GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 112.62dBuV/m (Peak), so the maximum field strength in restrict band is $112.62 - 51.88 = 60.74$ dBuV/m which is under 74dBuV/m limit.

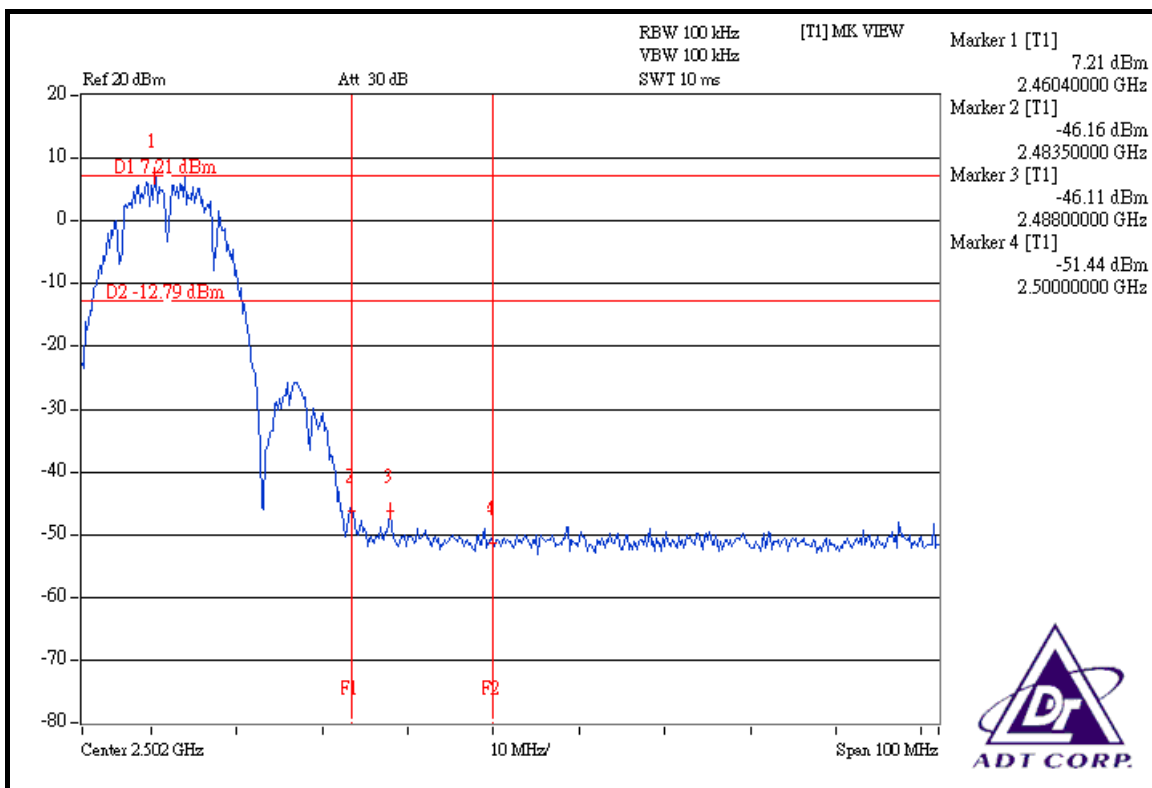
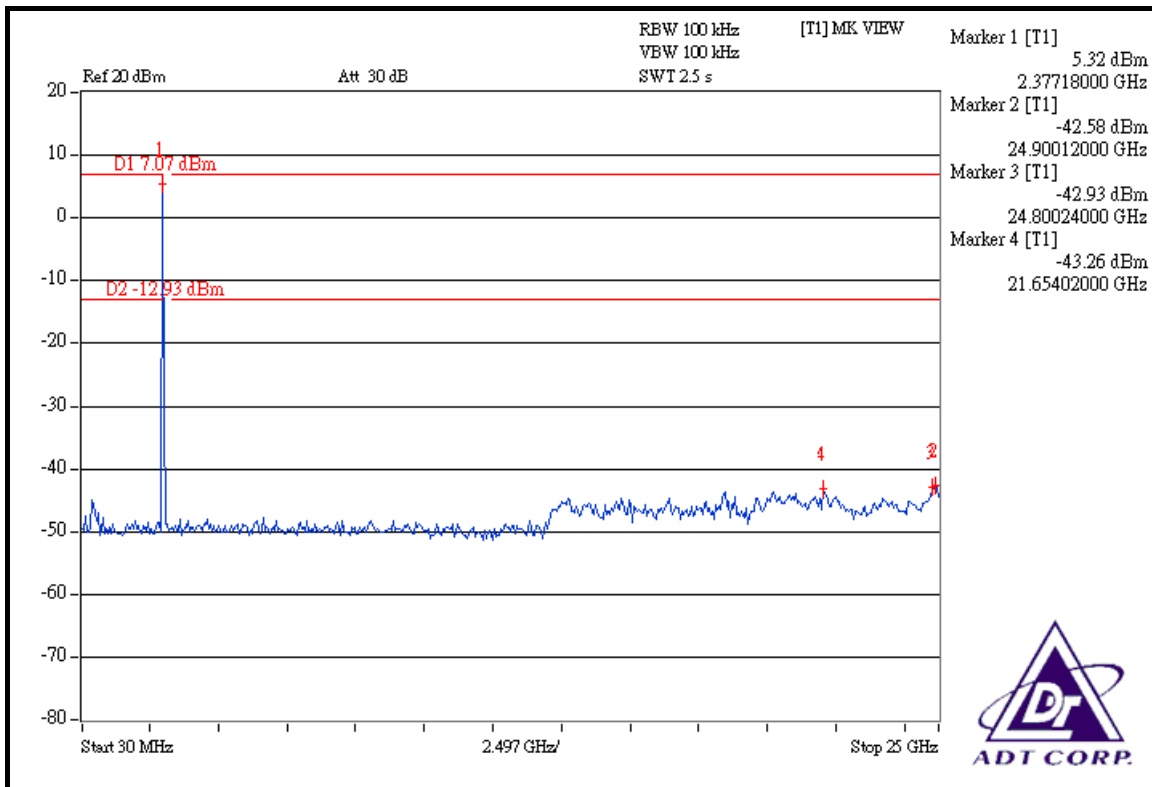
The band edge emission plot of DSSS technique on the next page shows 56.00dBc between carrier maximum power and local maximum emission in restrict band (2.3862GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 107.91dBuV/m (Average), so the maximum field strength in restrict band is $107.91 - 56.00 = 51.91$ dBuV/m which is under 54dBuV/m limit.

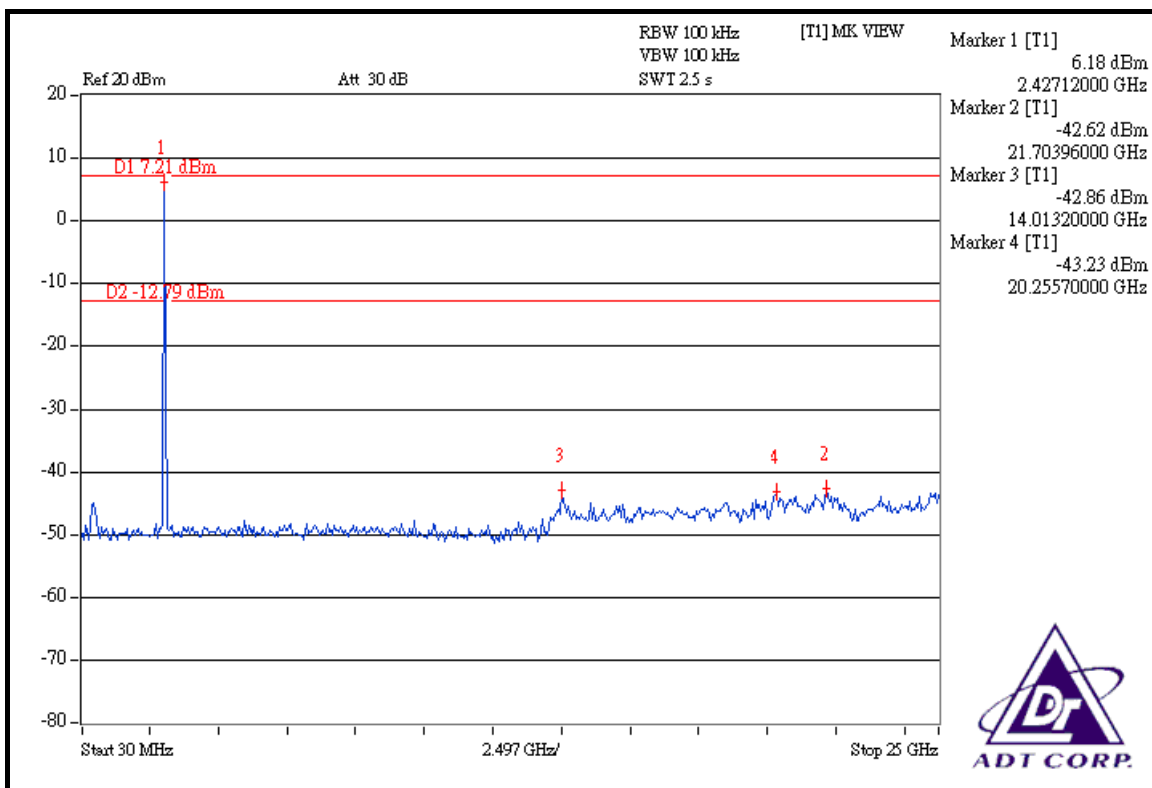
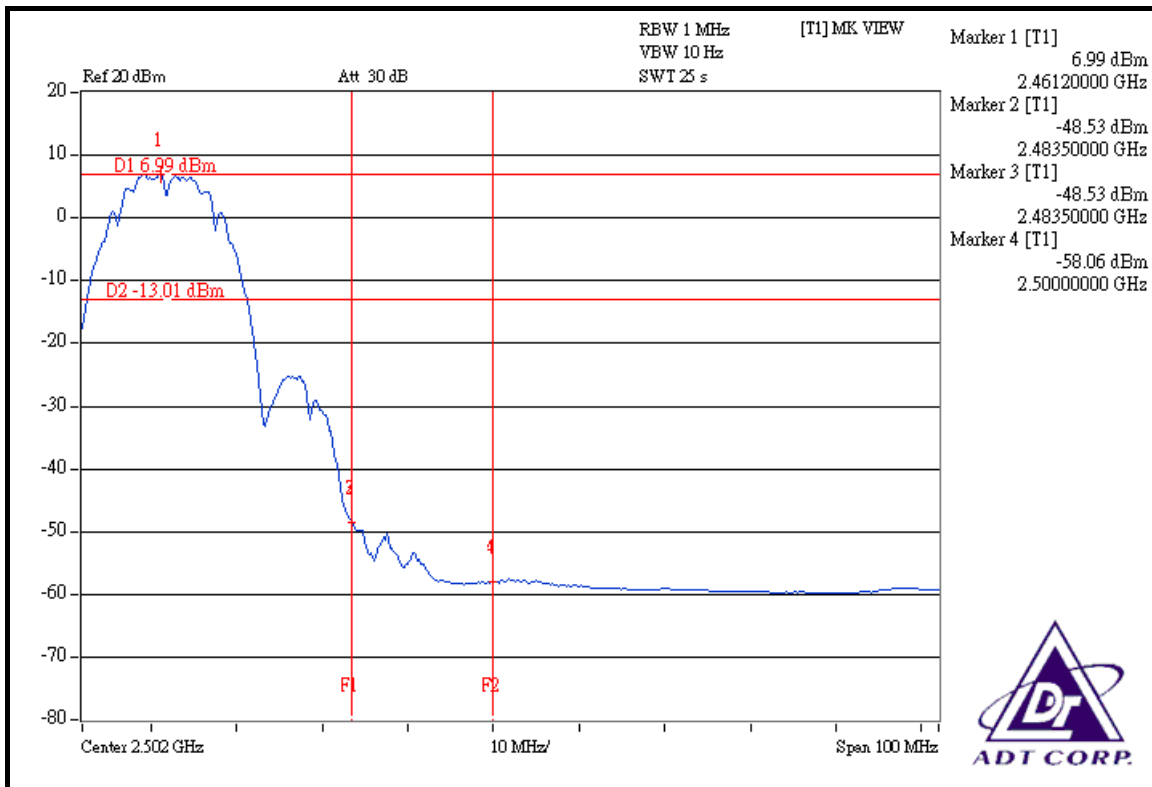
NOTE 2:

The band edge emission plot of DSSS technique on the next second page shows 53.32dBc between carrier maximum power and local maximum emission in restrict band (2.4880GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.7 is 111.78dBuV/m (Peak), so the maximum field strength in restrict band is $111.78 - 53.32 = 58.46$ dBuV/m which is under 74dBuV/m limit.

The band edge emission plot of DSSS technique on the next third page shows 55.52dBc 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 107.18dBuV/m (Average), so the maximum field strength in restrict band is $107.18 - 55.52 = 51.66$ dBuV/m which is under 54dBuV/m limit.







802.11g OFDM MODULATION:

NOTE 1:

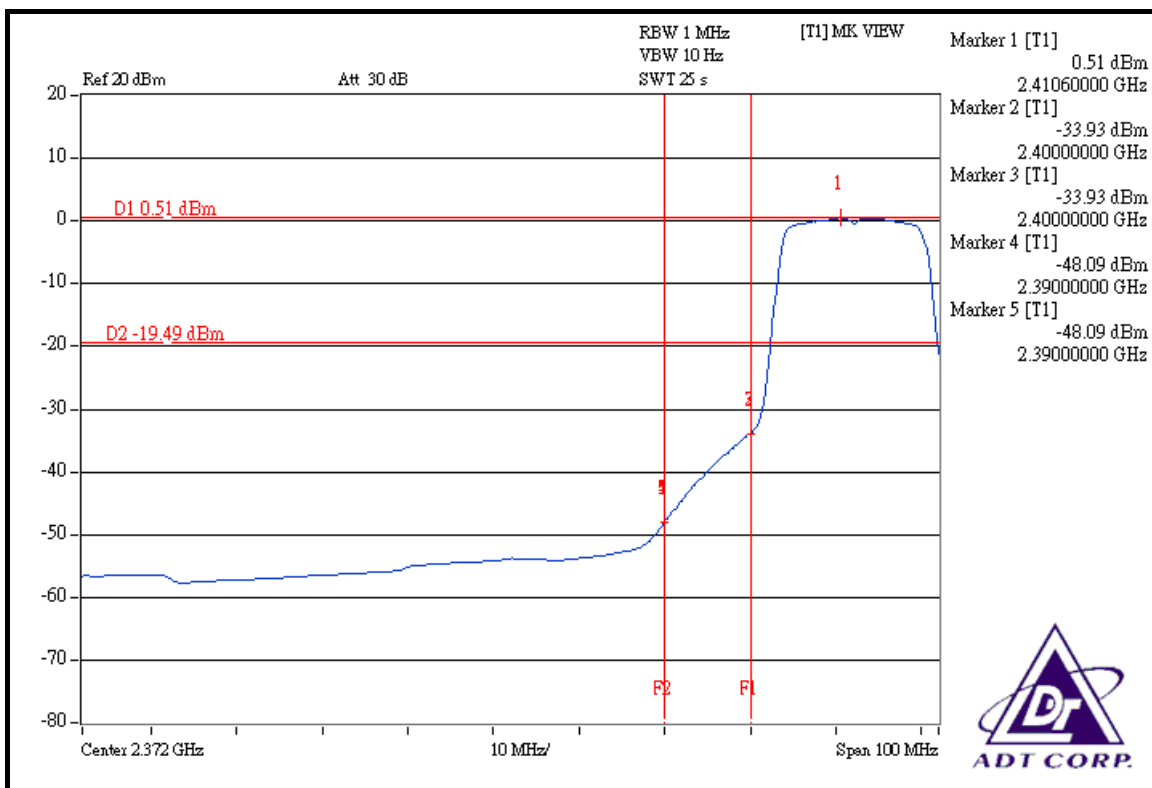
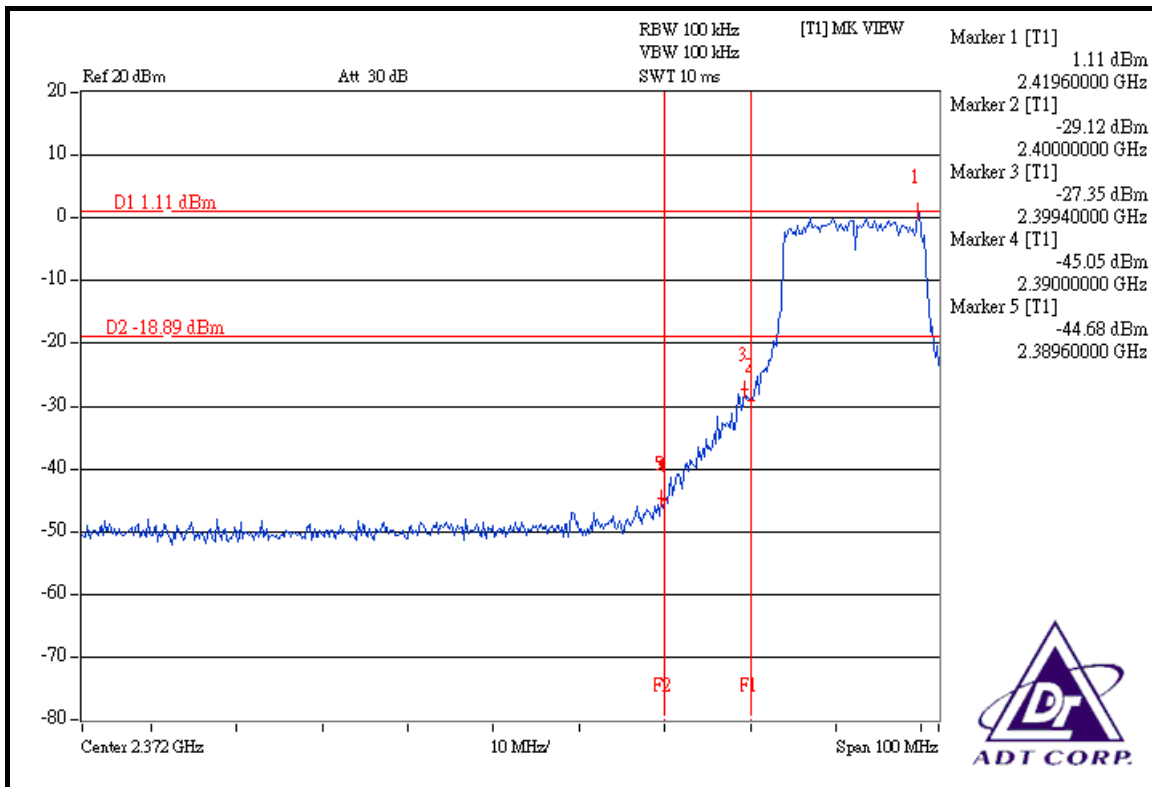
The band edge emission plot of OFDM technique on the next page shows 45.79dBc between carrier maximum power and local maximum emission in restrict band (2.3896GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 111.10dBuV/m (Peak), so the maximum field strength in restrict band is $111.10-45.79=65.31\text{dBuV/m}$ which is under 74dBuV/m limit.

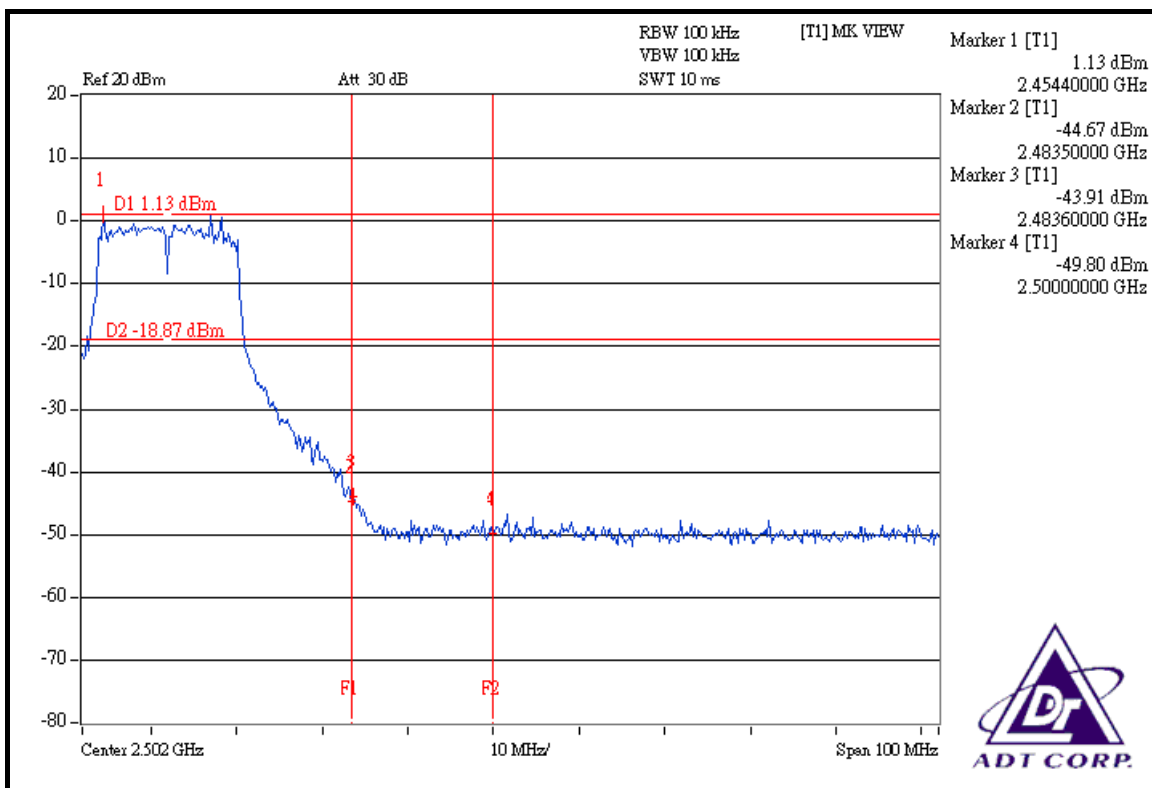
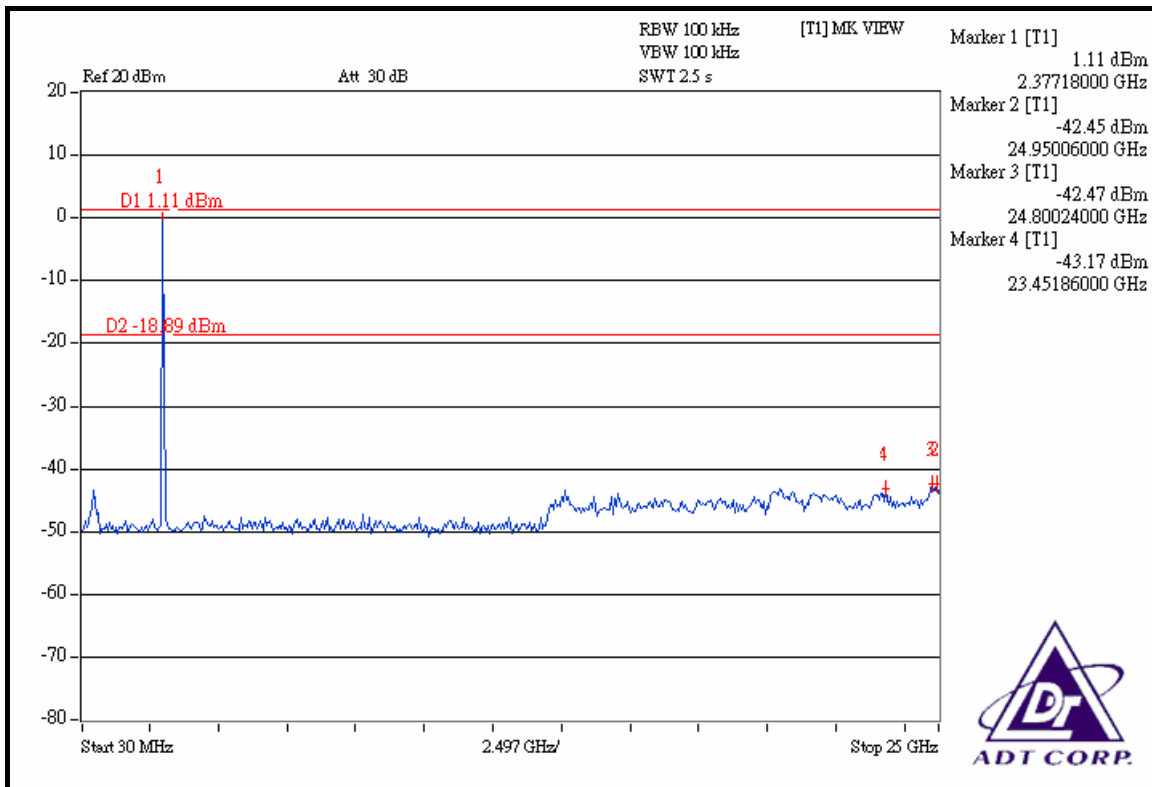
The band edge emission plot of OFDM technique on the next page shows 48.60dBc between carrier maximum power and local maximum emission in restrict band (2.3900GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 100.77dBuV/m (Average), so the maximum field strength in restrict band is $100.77-48.60=52.17\text{dBuV/m}$ which is under 54dBuV/m limit.

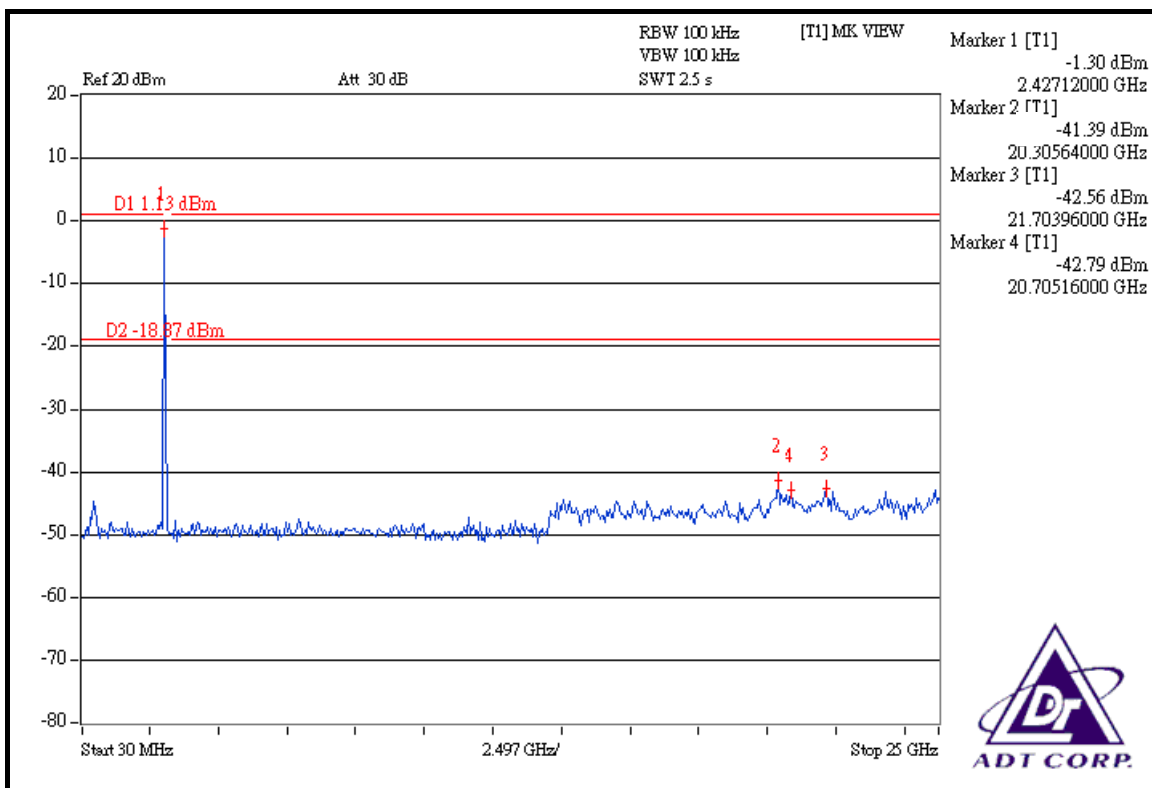
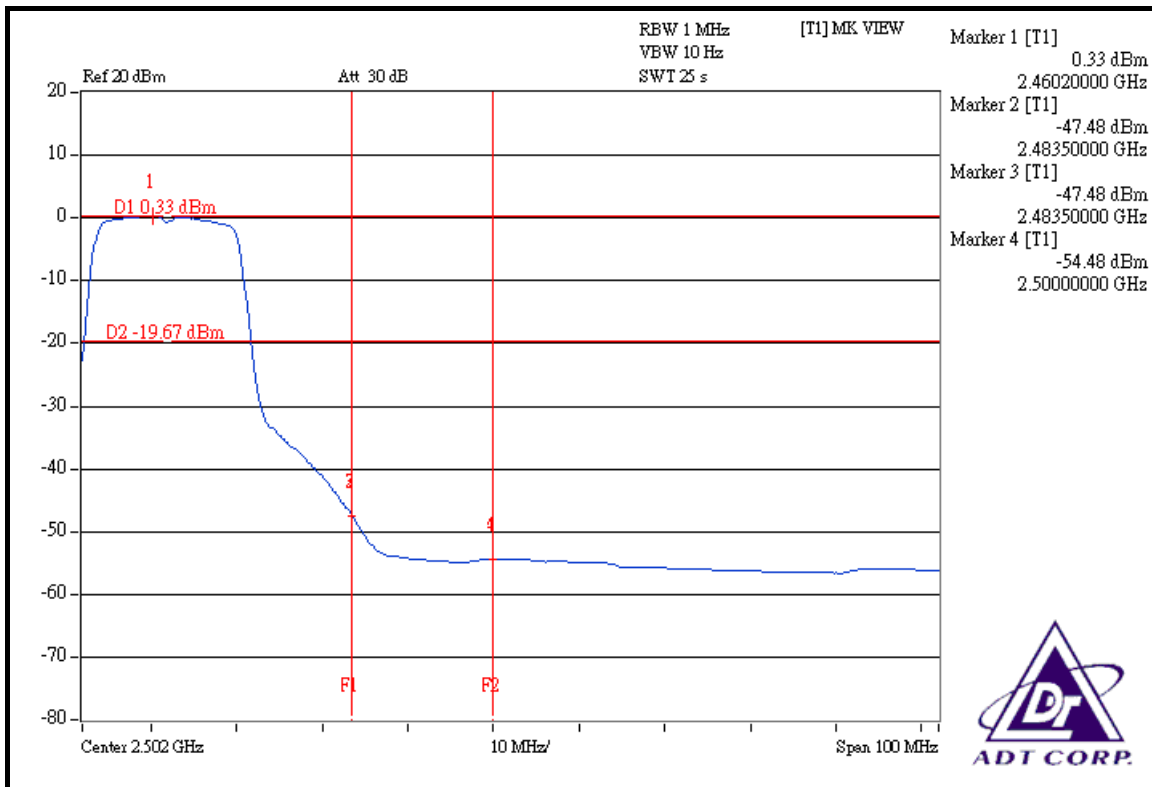
NOTE 2:

The band edge emission plot of OFDM technique on the next second page shows 45.04dBc between carrier maximum power and local maximum emission in restrict band (2.4836GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.7 is 111.50dBuV/m (Peak), so the maximum field strength in restrict band is $111.50-45.04=66.46\text{dBuV/m}$ which is under 74dBuV/m limit.

The band edge emission plot of OFDM technique on the next third page shows 47.81dBc 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 101.15dBuV/m (Average), so the maximum field strength in restrict band is $101.15-47.81=53.34\text{dBuV/m}$ which is under 54dBuV/m limit.







DRAFT 802.11n (20MHz) OFDM MODULATION: DUAL TX:

NOTE 1:

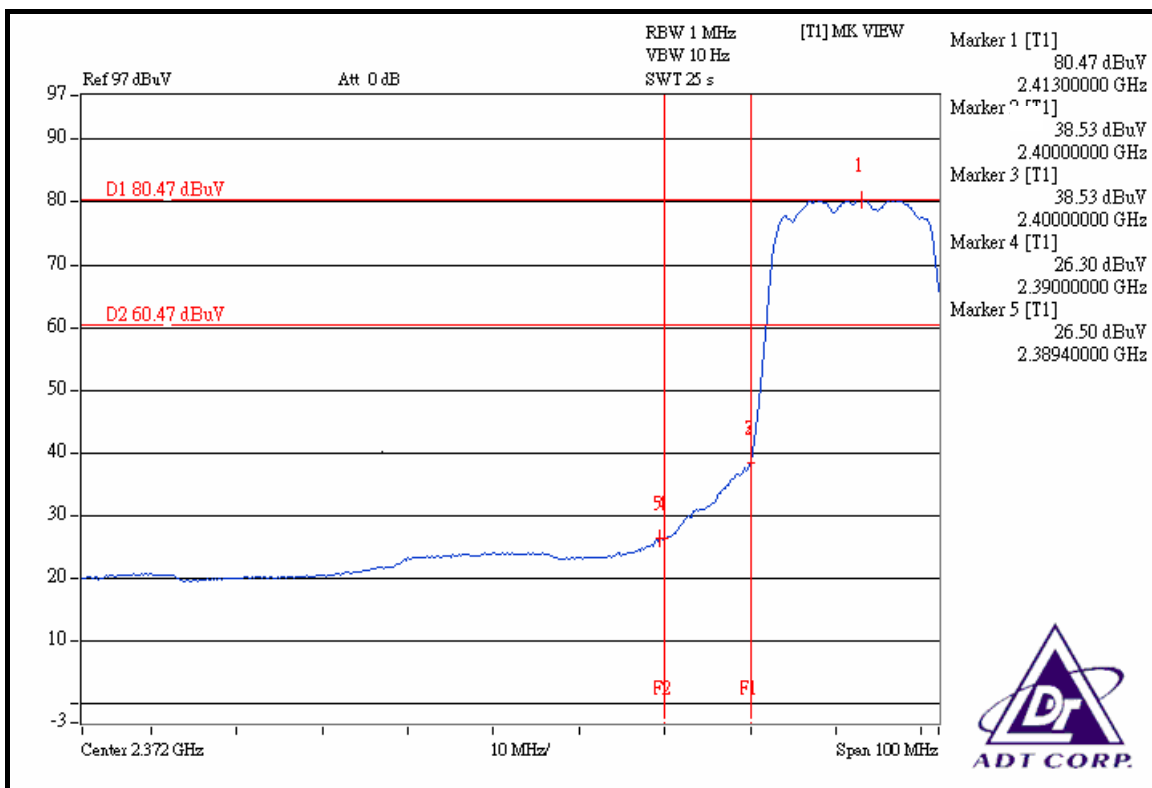
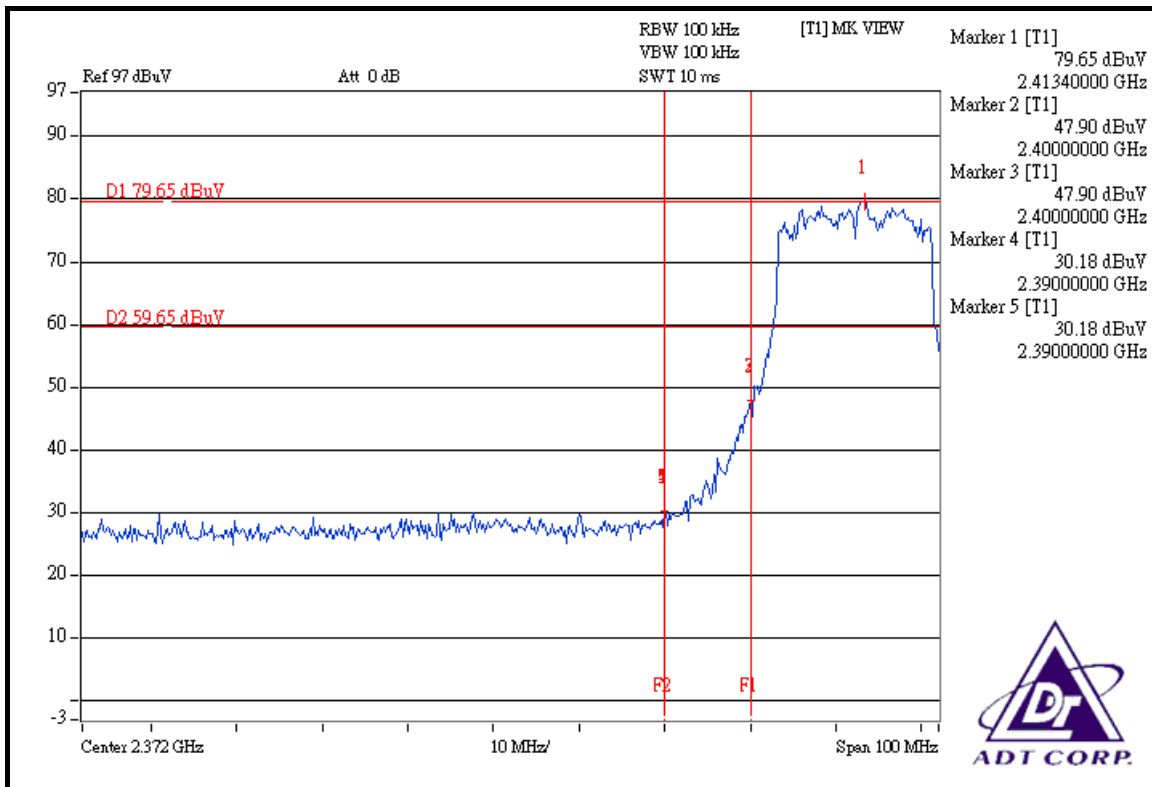
The band edge emission plot of OFDM technique on the next page shows 49.47dBc between carrier maximum power and local maximum emission in restrict band (2.3900GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 112.79dBuV/m (Peak), so the maximum field strength in restrict band is $112.79 - 49.47 = 63.32$ dBuV/m which is under 74dBuV/m limit.

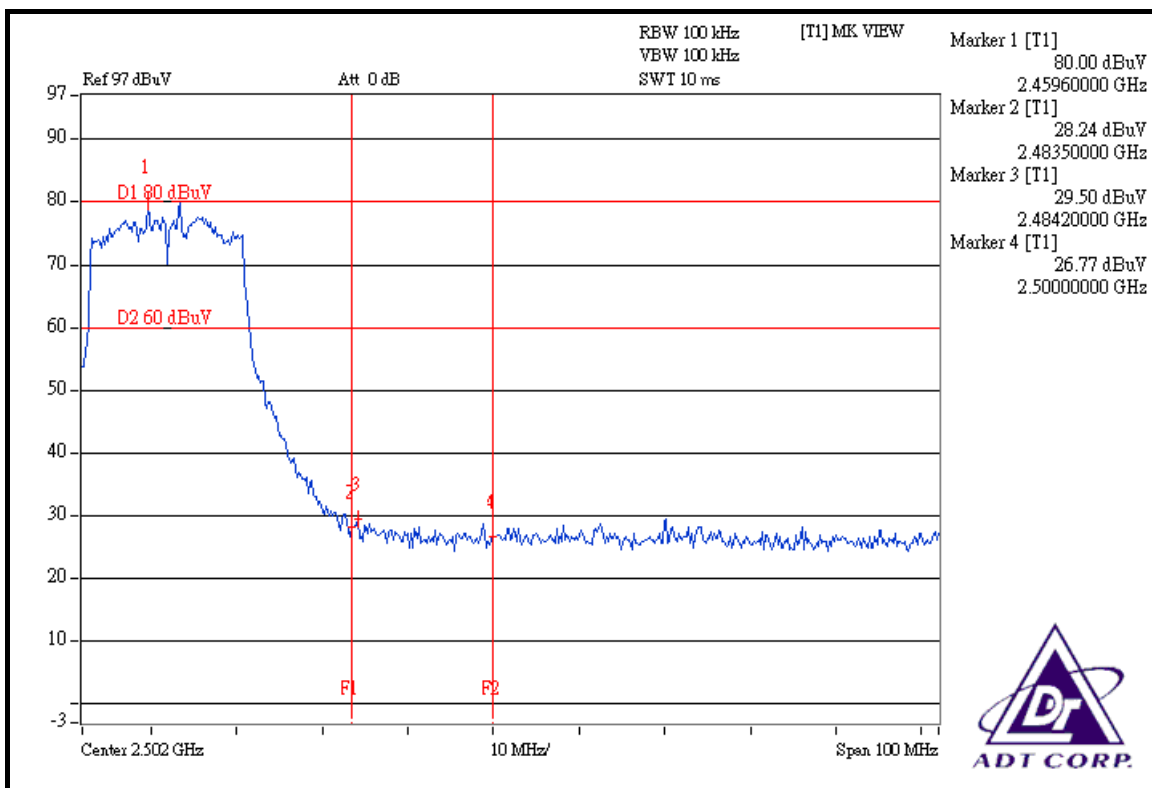
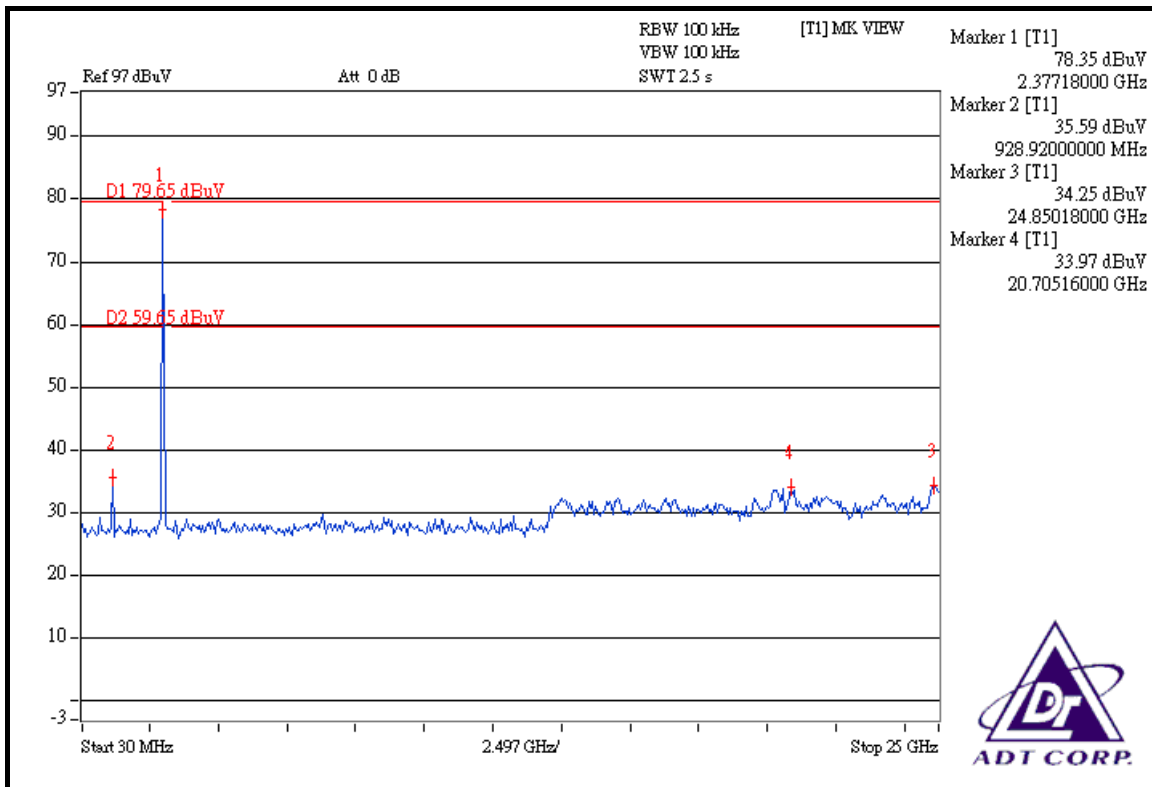
The band edge emission plot of OFDM technique on the next page shows 53.97dBc between carrier maximum power and local maximum emission in restrict band (2.3894GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 102.72dBuV/m (Average), so the maximum field strength in restrict band is $102.72 - 53.97 = 48.75$ dBuV/m which is under 54dBuV/m limit.

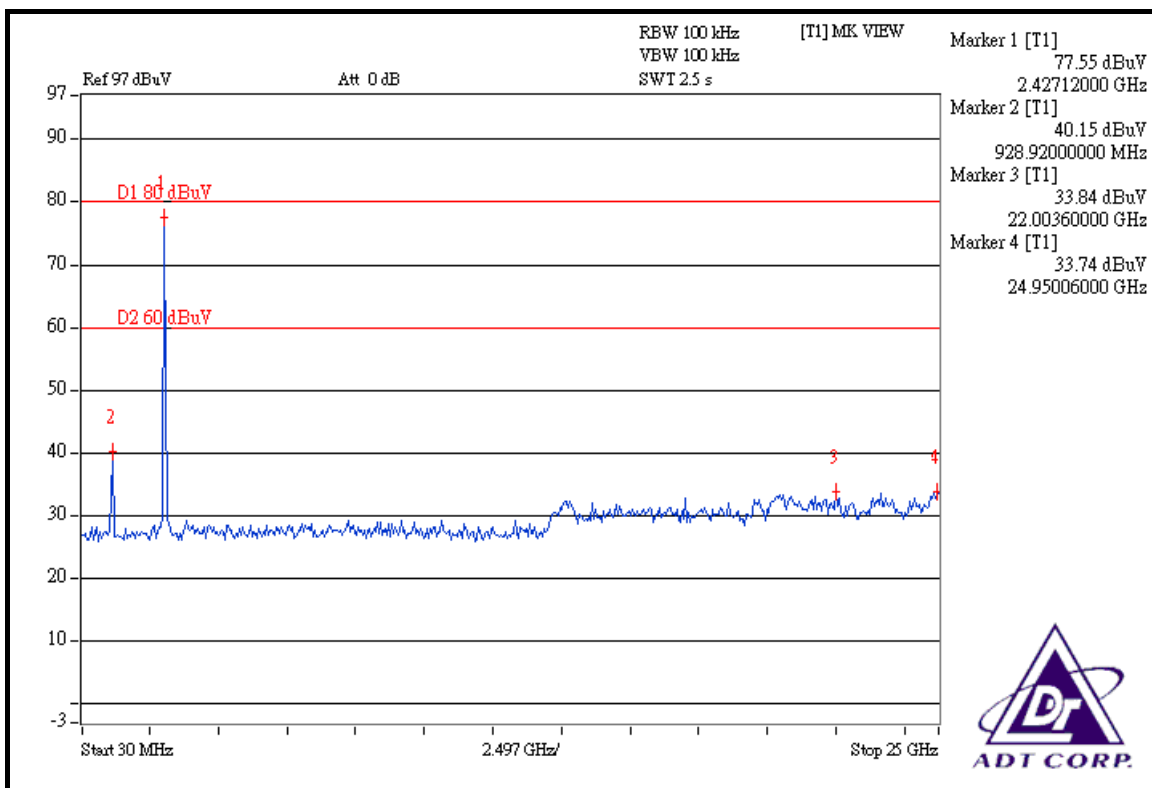
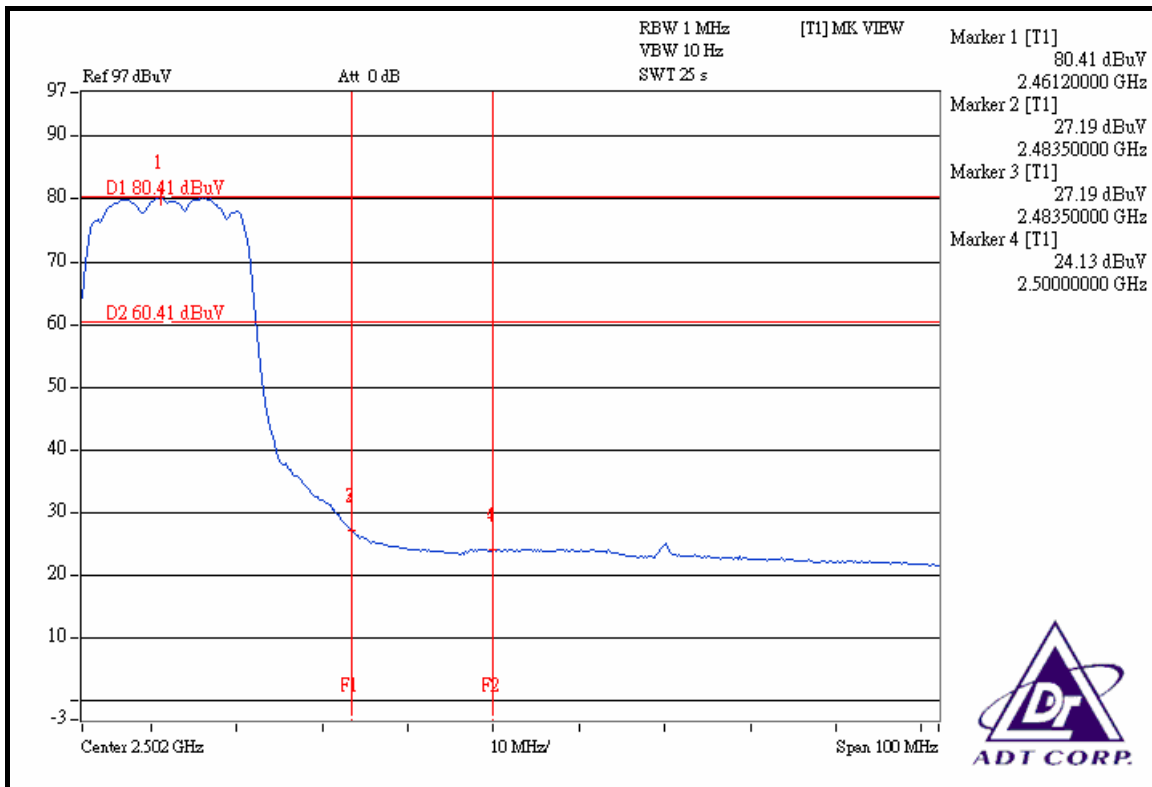
NOTE 2:

The band edge emission plot of OFDM technique on the next second page shows 50.50dBc between carrier maximum power and local maximum emission in restrict band (2.4842GHz). The emission of carrier strength list in the test result of channel 11 at the item 4.2.7 is 112.87dBuV/m (Peak), so the maximum field strength in restrict band is $112.87 - 50.50 = 62.37$ dBuV/m which is under 74dBuV/m limit.

The band edge emission plot of OFDM technique on the next third page shows 53.22dBc 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 102.93dBuV/m (Average), so the maximum field strength in restrict band is $102.93 - 53.22 = 49.71$ dBuV/m which is under 54dBuV/m limit.







DRAFT 802.11n (40MHz) OFDM MODULATION: DUAL TX:

NOTE 1:

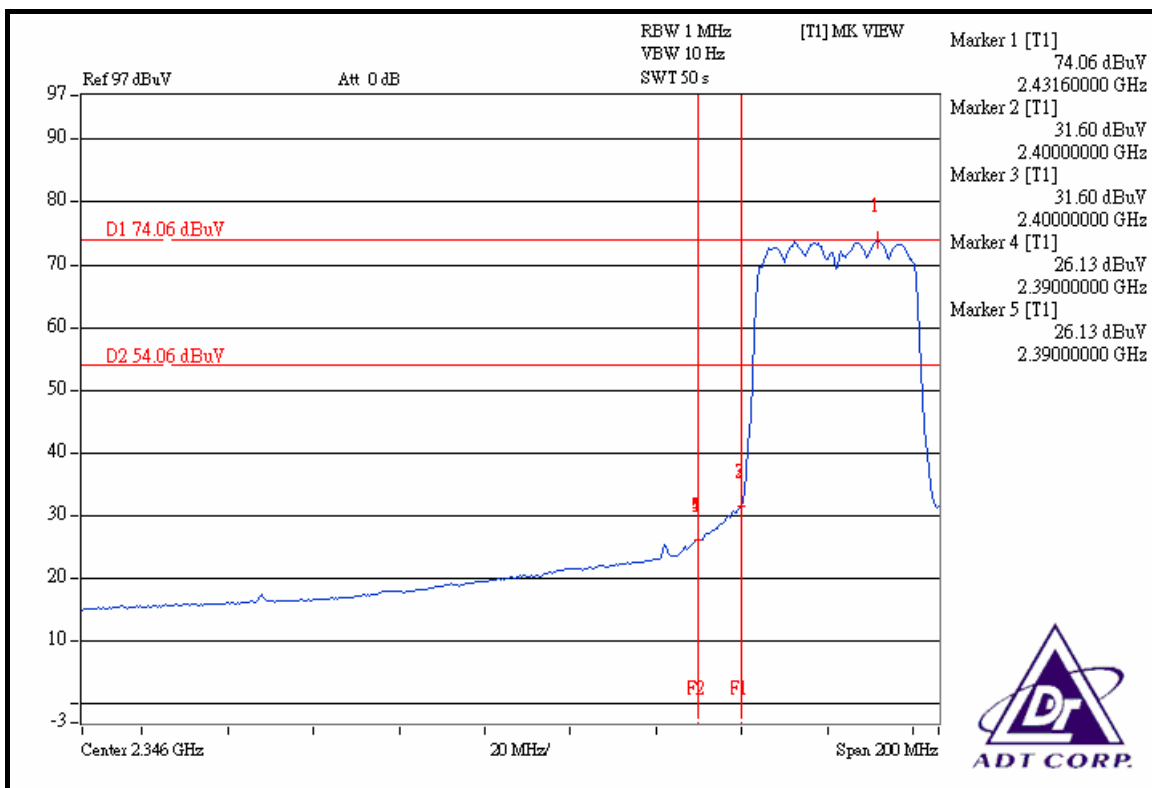
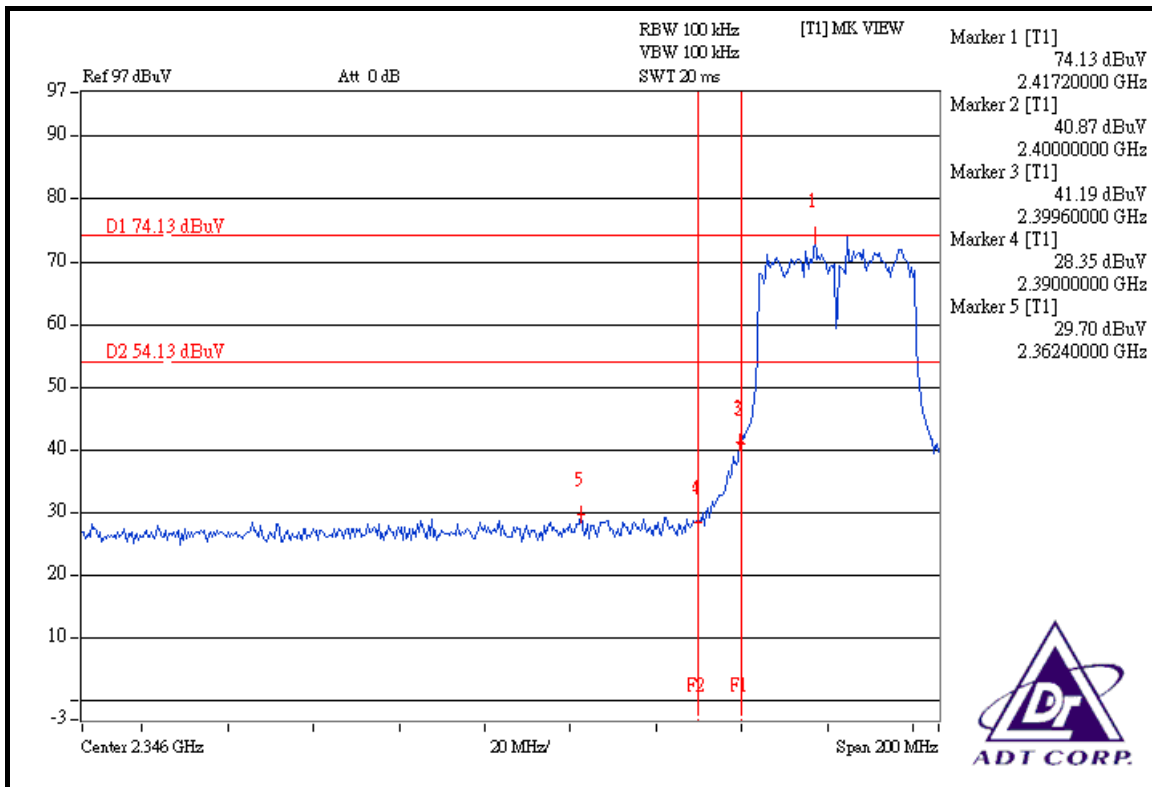
The band edge emission plot of OFDM technique on the next page shows 44.43dBc between carrier maximum power and local maximum emission in restrict band (2.3624GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 106.49dBuV/m (Peak), so the maximum field strength in restrict band is $106.49-44.43=62.06$ dBuV/m which is under 74dBuV/m limit.

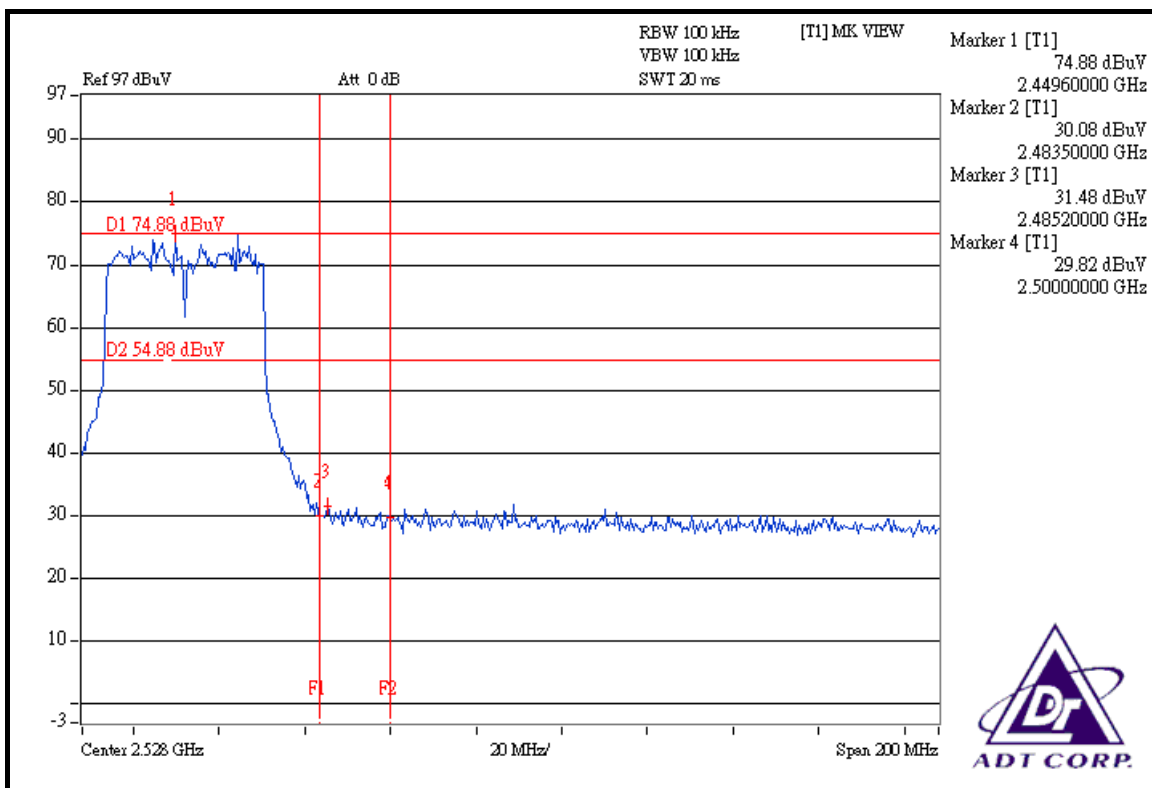
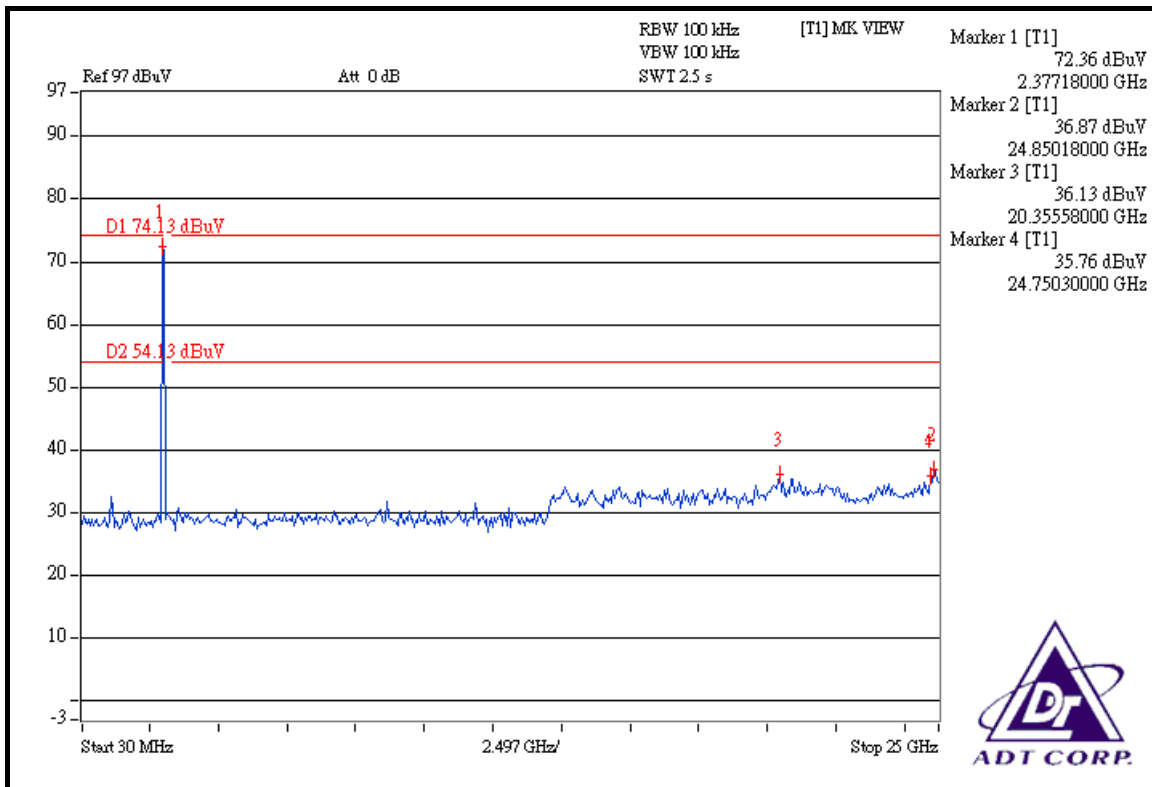
The band edge emission plot of OFDM technique on the next page shows 47.93dBc between carrier maximum power and local maximum emission in restrict band (2.3900GHz). The emission of carrier strength list in the test result of channel 1 at the item 4.2.7 is 96.42dBuV/m (Average), so the maximum field strength in restrict band is $96.42-47.93=48.49$ dBuV/m which is under 54dBuV/m limit.

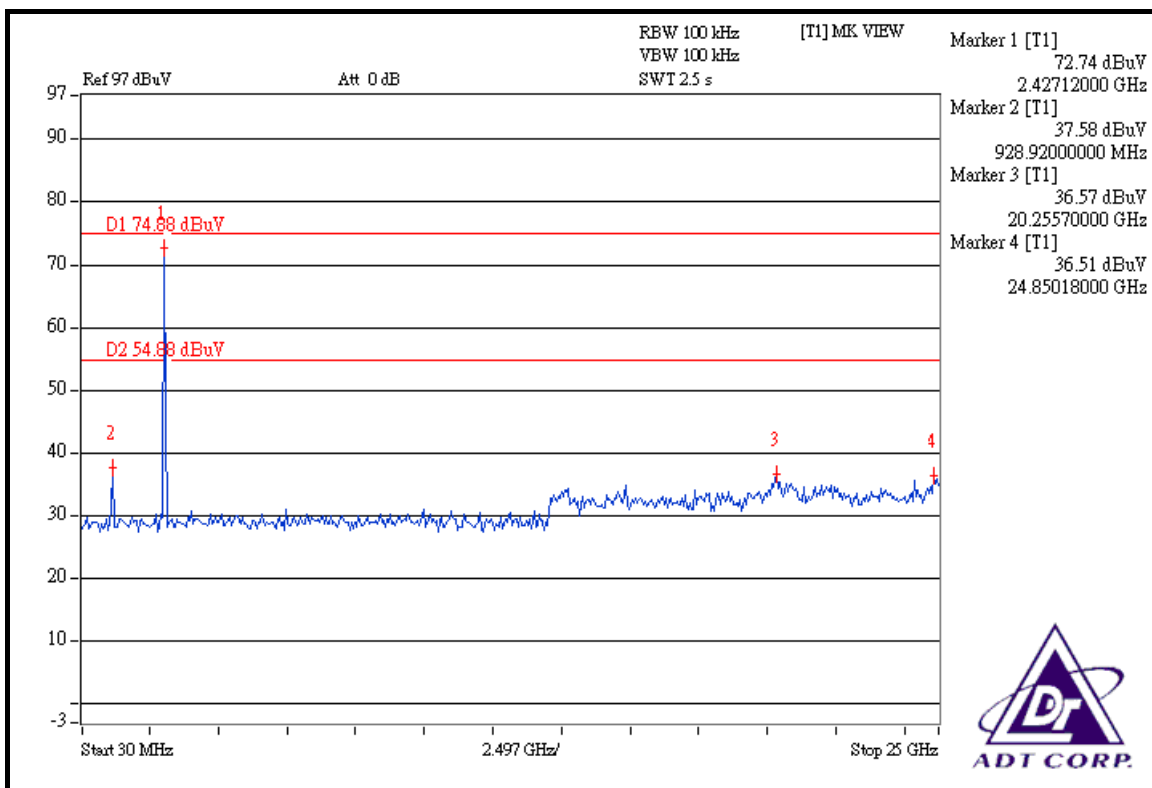
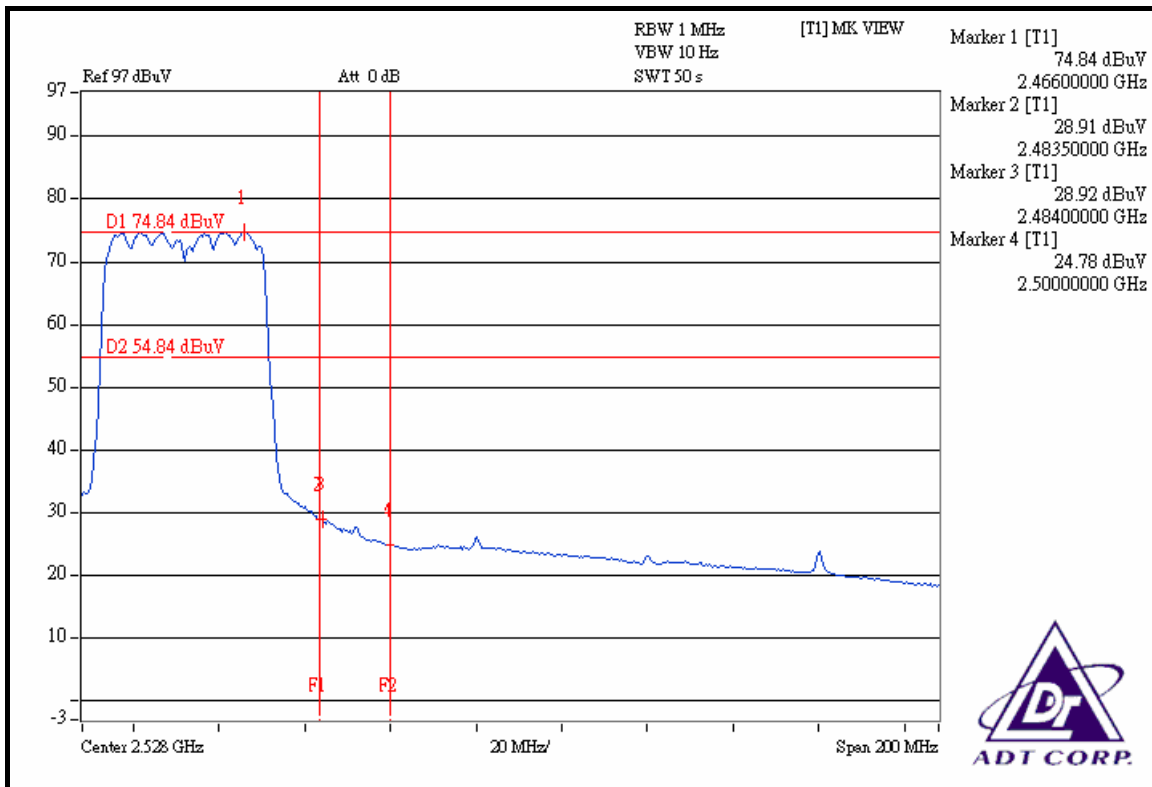
NOTE 2:

The band edge emission plot of OFDM technique on the next second page shows 43.40dBc between carrier maximum power and local maximum emission in restrict band (2.4852GHz). The emission of carrier strength list in the test result of channel 7 at the item 4.2.7 is 107.68dBuV/m (Peak), so the maximum field strength in restrict band is $107.68-43.40=64.28$ dBuV/m which is under 74dBuV/m limit.

The band edge emission plot of OFDM technique on the next third page shows 45.92dBc between carrier maximum power and local maximum emission in restrict band (2.4840GHz). The emission of carrier strength list in the test result of channel 7 at the item 4.2.7 is 97.33dBuV/m (Average), so the maximum field strength in restrict band is $97.33-45.92=51.41$ dBuV/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 Dipole antenna with R-SMA connector. The maximum Gain of the antenna is 2.0dBi.



5. PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

6. 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
Germany	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:

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

Linko EMC/RF Lab:

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF Lab:

Tel: 886-3-5935343

Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety Telecom Lab:

Tel: 886-3-3183232

Fax: 886-3-3185050

Web Site: www.adt.com.tw

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



APPENDIX-A

MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

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