FCC TEST REPORT

REPORT NO.: RF981218L14
MODEL NO.: F7D1101 v2
RECEIVED: Dec. 18, 2009
TESTED: Apr. 22 ~ May 03, 2010
ISSUED: May 14, 2010

APPLICANT: Belkin International, Inc.

ADDRESS: 12045 East Waterfront Drive, Playa Vista, CA 90094 USA

ISSUED BY: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou Hsiang, Taipei Hsien 244, Taiwan, R.O.C.

TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

TABLE OF CONTENTS

1. CERTIFICATION

PRODUCT: Basic Wireless USB Adapter
MODEL: F7D1101 v2
BRAND: Belkin
APPLICANT: Belkin International, Inc.
TESTED: Apr. 22 ~ May 03, 2010
TEST SAMPLE: ENGINEERING SAMPLE
STANDARDS: **FCC Part 15, Subpart C (Section 15.247)**
ANSI C63.4-2003

The above equipment (model: F7D1101 v2) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch,** 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	: Pettie Chen / Specialist	**, DATE :**	May 14, 2010
TECHNICAL ACCEPTANCE Responsible for RF	: Long Chen / Senior Engineer	**, DATE :**	May 14, 2010
APPROVED BY	: Gary Chang / Assistant Manager	**, DATE :**	May 14, 2010

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 -10.63dB at 0.528MHz.
15.247(a)(2)	Spectrum Bandwidth of a Direct Sequence Spread Spectrum System Limit: min. 500kHz	PASS	Meet the requirement of limit.
15.247(b)	Maximum Peak Output Power Limit: max. 30dBm	PASS	Meet the requirement of limit.
15.247(d)	Radiated Emissions Limit: Table 15.209	PASS	Meet the requirement of limit. Minimum passing margin is -1.0dB at 4824.0 MHz & 4924.0MHz.
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.
15.203	Antenna Requirement	PASS	No antenna connector is used.

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	150kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	3.19 dB
	200MHz ~1000MHz	3.21 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	Basic Wireless USB Adapter
MODEL NO.	F7D1101 v2
FCC ID	K7SF7D1101V2
POWER SUPPLY	5Vdc
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
MODULATION TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	802.11b: 11.0/ 5.5/ 2.0/ 1.0Mbps 802.11g: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 150Mbps
OPRTAING FREQUENCY	2412MHz ~ 2462MHz
NUMBER OF CHANNEL	11 for 802.11b, 802.11g, 802.11n (20MHz) 7 for 802.11n (40MHz)
MAXIMUM OUTPUT POWER	295.1mW
ANTENNA TYPE	Printed antenna with 1.53dBi gain
ANTENNA CONNECTOR	NA
DATA CABLE	NA
I/O PORTS	USB
ACCESSORY DEVICES	NA

NOTE:

1. The EUT provides one completed transmitter and one receiver.

MODULATION MODE	TX FUNCTION
802.11b	1TX
802.11g	1TX
802.11n (20MHz)	1TX
802.11n (40MHz)	1TX

2. There are two manufacturers of band pass filter for the EUT.

	Manufacturer
1	ACX
2	MagLayer

3. 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

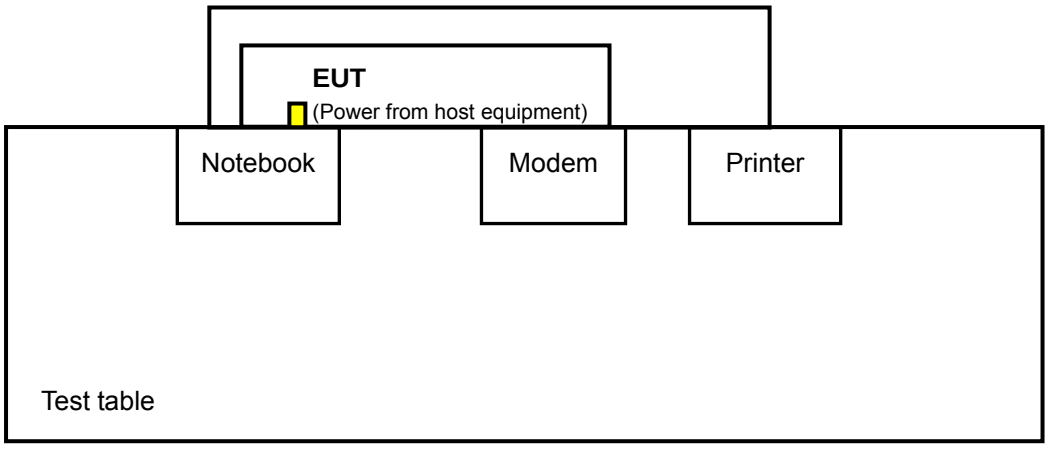
Eleven channels are provided for 802.11b, 802.11g and 802.11n (20MHz):

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 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



3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO					DESCRIPTION
	RE≥1G	RE<1G	PLC	BM	APCM	MANUFACTURER OF BAND PASS FILTER
A	√	√	√	√	√	ACX
B	√	√	√	√	-	MagLayer

Where **PLC:** Power Line Conducted Emission
RE≥1G: Radiated Emission above 1GHz
APCM: Antenna Port Conducted Measurement
RE<1G: Radiated Emission below 1GHz
BM: Bandedge Measurement
NOTE: "-" means no effect.

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)
A, B	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
A, B	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
A, B	802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	6.5
A, B	802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	13.5

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)
A, B	802.11g	1 to 11	6	OFDM	BPSK	6.0

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)
A, B	802.11g	1 to 11	6	OFDM	BPSK	6.0

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)
A, B	802.11b	1 to 11	1, 11	DSSS	DBPSK	1.0
A, B	802.11g	1 to 11	1, 11	OFDM	BPSK	6.0
A, B	802.11n (20MHz)	1 to 11	1, 11	OFDM	BPSK	6.5
A, B	802.11n (40MHz)	1 to 7	1, 7	OFDM	BPSK	13.5

ANTENNA PORT CONDUCTED MEASUREMENT:

☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.

☒ 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)
A	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
A	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
A	802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	6.5
A	802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	13.5

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER (SYSTEM)	TESTED BY
RE≥1G	23deg. C, 68%RH, 1008 hPa	120Vac, 60Hz	Sun Lin
RE<1G	23deg. C, 68%RH, 1008 hPa	120Vac, 60Hz	Sun Lin
PLC	20deg. C, 65%RH, 1007 hPa	120Vac, 60Hz	Daniel Lin
BM	20deg. C, 65%RH, 1007 hPa	120Vac, 60Hz	Sun Lin
APCM	23deg. C, 64%RH, 1008 hPa	120Vac, 60Hz	Sun Lin

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	DELL	D610	DRMTH1S	E2K5HCKT
2	PRINTER	EPSON	LQ-300+	DCGY054011	FCC DoC Approved
3	MODEM	ACEEX	1414V/3	0401008253	IFAXDM1414

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	1.8m braid shielded wire, DB25 connector, w/o core.
3	1.2m braid shielded wire, DB25 & DB9 connector, w/o core.

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

4. TEST TYPES AND RESULTS

4.1 RADIATED EMISSION MEASUREMENT

4.1.1 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.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESI7	838496/016	Dec. 29, 2009	Dec. 28, 2010
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100041	May 13, 2009	May 12, 2010
BILOG Antenna SCHWARZBECK	VULB9168	9168-359	Sep. 30, 2009	Sep. 29, 2010
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-209	Jul. 01, 2009	Jun. 30, 2010
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170242	Dec. 25, 2009	Dec. 24, 2010
Preamplifier Agilent	8449B	3008A01961	Nov. 04, 2009	Nov. 03, 2010
Preamplifier Agilent	8447D	2944A10738	Nov. 04, 2009	Nov. 03, 2010
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	274041/4	Aug. 28, 2009	Aug. 27, 2010
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	283397/4	Aug. 28, 2009	Aug. 27, 2010
Software ADT.	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	010303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	019303	NA	NA
Turn Table ADT.	TT100.	TT93021704	NA	NA
Turn Table Controller ADT.	SC100.	SC93021704	NA	NA
26GHz ~ 40GHz Amplifier	EM26400	07026401	Aug. 27, 2009	Aug. 26, 2010

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 4.
3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 988962.
5. The IC Site Registration No. is IC7450F-4.

4.1.3 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.

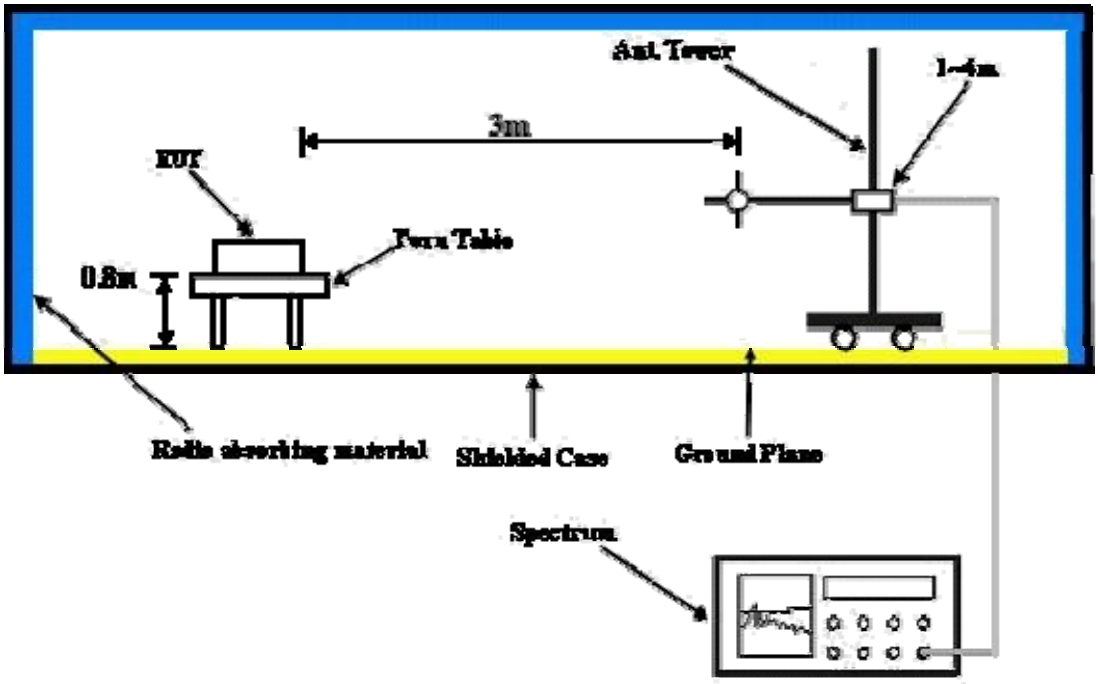
NOTE:

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. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

4.1.5 TEST SETUP



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

4.1.6 EUT OPERATING CONDITIONS

a. Plugged EUT into notebook and placed them on the testing table.
b. The notebook system ran a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.
c. The necessary accessories enable the system in full functions.

4.1.7 TEST RESULTS

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	A		

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	56.5 PK	74.0	-17.5	1.06 H	242	23.00	33.50
2	2390.00	47.4 AV	54.0	-6.6	1.06 H	242	13.90	33.50
3	*2412.00	98.2 PK			1.06 H	242	64.60	33.60
4	*2412.00	94.4 AV			1.06 H	242	60.80	33.60
5	4824.00	52.5 PK	74.0	-21.5	1.35 H	190	12.50	40.00
6	4824.00	47.3 AV	54.0	-6.7	1.35 H	190	7.30	40.00
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	55.7 PK	74.0	-18.3	1.00 V	278	22.20	33.50
2	2390.00	47.1 AV	54.0	-6.9	1.00 V	278	13.60	33.50
3	*2412.00	94.2 PK			1.00 V	278	60.60	33.60
4	*2412.00	90.6 AV			1.00 V	278	57.00	33.60
5	4824.00	50.8 PK	74.0	-23.2	1.31 V	97	10.80	40.00
6	4824.00	46.8 AV	54.0	-7.2	1.31 V	97	6.80	40.00

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	A		

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	98.6 PK			1.04 H	243	64.90	33.70
2	*2437.00	94.9 AV			1.04 H	243	61.20	33.70
3	4874.00	52.0 PK	74.0	-22.0	1.35 H	204	11.90	40.10
4	4874.00	47.6 AV	54.0	-6.4	1.35 H	204	7.50	40.10
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	94.5 PK			1.02 V	281	60.80	33.70
2	*2437.00	91.3 AV			1.02 V	281	57.60	33.70
3	4874.00	50.3 PK	74.0	-23.7	1.30 V	94	10.20	40.10
4	4874.00	46.9 AV	54.0	-7.1	1.30 V	94	6.80	40.10

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	A		

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	98.8 PK			1.03 H	249	65.00	33.80
2	*2462.00	95.2 AV			1.03 H	249	61.40	33.80
3	2483.50	58.0 PK	74.0	-16.0	1.03 H	249	24.20	33.80
4	2483.50	48.0 AV	54.0	-6.0	1.03 H	249	14.20	33.80
5	4924.00	52.7 PK	74.0	-21.3	1.32 H	189	12.50	40.20
6	4924.00	47.5 AV	54.0	-6.5	1.32 H	189	7.30	40.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	95.1 PK			1.05 V	296	61.30	33.80
2	*2462.00	91.7 AV			1.05 V	296	57.90	33.80
3	2483.50	56.4 PK	74.0	-17.6	1.05 V	296	22.60	33.80
4	2483.50	47.6 AV	54.0	-6.4	1.05 V	296	13.80	33.80
5	4924.00	50.5 PK	74.0	-23.5	1.26 V	94	10.30	40.20
6	4924.00	46.0 AV	54.0	-8.0	1.26 V	94	5.80	40.20

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	B		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	58.3 PK	74.0	-15.7	1.04 H	247	24.80	33.50
2	2390.00	47.4 AV	54.0	-6.6	1.04 H	247	13.90	33.50
3	*2412.00	101.9 PK			1.04 H	247	68.30	33.60
4	*2412.00	98.3 AV			1.04 H	247	64.70	33.60
5	4824.00	56.3 PK	74.0	-17.7	1.06 H	206	16.30	40.00
6	**4824.00**	**53.0 AV**	**54.0**	**-1.0**	**1.06 H**	**206**	**13.00**	**40.00**
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	56.8 PK	74.0	-17.2	2.08 V	277	23.30	33.50
2	2390.00	46.8 AV	54.0	-7.2	2.08 V	277	13.30	33.50
3	*2412.00	98.7 PK			2.08 V	277	65.10	33.60
4	*2412.00	94.9 AV			2.08 V	277	61.30	33.60
5	4824.00	55.3 PK	74.0	-18.7	1.00 V	281	15.30	40.00
6	4824.00	52.7 AV	54.0	-1.3	1.00 V	281	12.70	40.00

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	B		

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	101.3 PK			1.04 H	246	67.60	33.70
2	*2437.00	97.7 AV			1.04 H	246	64.00	33.70
3	4874.00	55.0 PK	74.0	-19.0	1.22 H	206	14.90	40.10
4	4874.00	52.5 AV	54.0	-1.5	1.22 H	206	12.40	40.10
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	98.1 PK			1.98 V	286	64.40	33.70
2	*2437.00	94.3 AV			1.98 V	286	60.60	33.70
3	4874.00	55.0 PK	74.0	-19.0	1.45 V	93	14.90	40.10
4	4874.00	52.0 AV	54.0	-2.0	1.45 V	93	11.90	40.10

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	B		

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	100.1 PK			1.02 H	246	66.30	33.80
2	*2462.00	96.5 AV			1.02 H	246	62.70	33.80
3	2483.50	58.4 PK	74.0	-15.6	1.02 H	246	24.60	33.80
4	2483.50	48.1 AV	54.0	-5.9	1.02 H	246	14.30	33.80
5	4924.00	56.0 PK	74.0	-18.0	1.06 H	204	15.80	40.20
6	**4924.00**	**53.0 AV**	**54.0**	**-1.0**	**1.06 H**	**204**	**12.80**	**40.20**
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	97.0 PK			1.78 V	259	63.20	33.80
2	*2462.00	93.2 AV			1.78 V	259	59.40	33.80
3	2483.50	56.1 PK	74.0	-17.9	1.78 V	259	22.30	33.80
4	2483.50	46.3 AV	54.0	-7.7	1.78 V	259	12.50	33.80
5	4924.00	54.4 PK	74.0	-19.6	1.49 V	123	14.20	40.20
6	4924.00	52.1 AV	54.0	-1.9	1.49 V	123	11.90	40.20

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

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	A		

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	60.7 PK	74.0	-13.3	1.06 H	243	27.20	33.50
2	2390.00	49.2 AV	54.0	-4.8	1.06 H	243	15.70	33.50
3	*2412.00	96.9 PK			1.06 H	243	63.30	33.60
4	*2412.00	89.0 AV			1.06 H	243	55.40	33.60
5	4824.00	55.8 PK	74.0	-18.2	1.35 H	186	15.80	40.00
6	4824.00	42.3 AV	54.0	-11.7	1.35 H	186	2.30	40.00
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	55.8 PK	74.0	-18.2	1.12 V	17	22.30	33.50
2	2390.00	44.9 AV	54.0	-9.1	1.12 V	17	11.40	33.50
3	*2412.00	94.7 PK			1.12 V	17	61.10	33.60
4	*2412.00	85.3 AV			1.12 V	17	51.70	33.60
5	4824.00	51.1 PK	74.0	-22.9	1.12 V	127	11.10	40.00
6	4824.00	37.3 AV	54.0	-16.7	1.12 V	127	-2.70	40.00

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	A		

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	98.3 PK			1.02 H	245	64.60	33.70
2	*2437.00	90.0 AV			1.02 H	245	56.30	33.70
3	4874.00	55.9 PK	74.0	-18.1	1.12 H	164	15.80	40.10
4	4874.00	43.4 AV	54.0	-10.6	1.12 H	164	3.30	40.10
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	95.9 PK			1.00 V	285	62.20	33.70
2	*2437.00	86.7 AV			1.00 V	285	53.00	33.70
3	4874.00	51.7 PK	74.0	-22.3	1.00 V	122	11.60	40.10
4	4874.00	38.0 AV	54.0	-16.0	1.00 V	122	-2.10	40.10

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	A		

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	97.2 PK			1.00 H	252	63.40	33.80
2	*2462.00	89.1 AV			1.00 H	252	55.30	33.80
3	2483.50	60.2 PK	74.0	-13.8	1.00 H	252	26.40	33.80
4	2483.50	49.4 AV	54.0	-4.6	1.00 H	252	15.60	33.80
5	4924.00	55.9 PK	74.0	-18.1	1.29 H	177	15.70	40.20
6	4924.00	43.5 AV	54.0	-10.5	1.29 H	177	3.30	40.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	94.9 PK			1.08 V	53	61.10	33.80
2	*2462.00	85.5 AV			1.08 V	53	51.70	33.80
3	2483.50	55.0 PK	74.0	-19.0	1.08 V	53	21.20	33.80
4	2483.50	45.3 AV	54.0	-8.7	1.08 V	53	11.50	33.80
5	4924.00	51.5 PK	74.0	-22.5	1.22 V	136	11.30	40.20
6	4924.00	38.1 AV	54.0	-15.9	1.22 V	136	-2.10	40.20

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	B		

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	56.5 PK	74.0	-17.5	1.01 H	223	23.00	33.50
2	2390.00	47.4 AV	54.0	-6.6	1.01 H	223	13.90	33.50
3	*2412.00	100.2 PK			1.01 H	223	66.60	33.60
4	*2412.00	91.5 AV			1.01 H	223	57.90	33.60
5	4824.00	50.3 PK	74.0	-23.7	1.06 H	203	10.30	40.00
6	4824.00	37.3 AV	54.0	-16.7	1.06 H	203	-2.70	40.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	57.7 PK	74.0	-16.3	1.80 V	286	24.20	33.50
2	2390.00	46.9 AV	54.0	-7.1	1.80 V	286	13.40	33.50
3	*2412.00	97.2 PK			1.80 V	286	63.60	33.60
4	*2412.00	88.5 AV			1.80 V	286	54.90	33.60
5	4824.00	48.1 PK	74.0	-25.9	1.29 V	276	8.10	40.00
6	4824.00	36.9 AV	54.0	-17.1	1.29 V	276	-3.10	40.00

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	B		

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	100.8 PK			1.29 H	254	67.10	33.70
2	*2437.00	91.8 AV			1.29 H	254	58.10	33.70
3	4874.00	55.9 PK	74.0	-18.1	1.33 H	335	15.80	40.10
4	4874.00	41.5 AV	54.0	-12.5	1.33 H	335	1.40	40.10
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	98.9 PK			1.77 V	288	65.20	33.70
2	*2437.00	89.9 AV			1.77 V	288	56.20	33.70
3	4874.00	48.5 PK	74.0	-25.5	1.09 V	213	8.40	40.10
4	4874.00	36.9 AV	54.0	-17.1	1.09 V	213	-3.20	40.10

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	B		

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	100.2 PK			1.04 H	249	66.40	33.80
2	*2462.00	91.3 AV			1.04 H	249	57.50	33.80
3	2483.50	71.2 PK	74.0	-2.8	1.04 H	249	37.40	33.80
4	2483.50	50.8 AV	54.0	-3.2	1.04 H	249	17.00	33.80
5	4924.00	54.5 PK	74.0	-19.5	1.05 H	206	14.30	40.20
6	4924.00	40.8 AV	54.0	-13.2	1.05 H	206	0.60	40.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	98.3 PK			1.69 V	296	64.50	33.80
2	*2462.00	89.1 AV			1.69 V	296	55.30	33.80
3	2483.50	58.3 PK	74.0	-15.7	1.69 V	296	24.50	33.80
4	2483.50	47.2 AV	54.0	-6.8	1.69 V	296	13.40	33.80
5	4924.00	53.5 PK	74.0	-20.5	1.05 V	125	13.30	40.20
6	4924.00	39.9 AV	54.0	-14.1	1.05 V	125	-0.30	40.20

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

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	A		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	58.5 PK	74.0	-15.5	1.08 H	251	25.00	33.50
2	2390.00	49.1 AV	54.0	-4.9	1.08 H	251	15.60	33.50
3	*2412.00	95.8 PK			1.08 H	251	62.20	33.60
4	*2412.00	87.9 AV			1.08 H	251	54.30	33.60
5	4824.00	55.0 PK	74.0	-19.0	1.32 H	259	15.00	40.00
6	4824.00	41.3 AV	54.0	-12.7	1.32 H	259	1.30	40.00
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	59.8 PK	74.0	-14.2	1.06 V	323	26.30	33.50
2	2390.00	45.8 AV	54.0	-8.2	1.06 V	323	12.30	33.50
3	*2412.00	93.8 PK			1.06 V	323	60.20	33.60
4	*2412.00	84.7 AV			1.06 V	323	51.10	33.60
5	4824.00	50.0 PK	74.0	-24.0	1.35 V	275	10.00	40.00
6	4824.00	36.9 AV	54.0	-17.1	1.35 V	275	-3.10	40.00

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	A		

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	96.0 PK			1.05 H	253	62.30	33.70
2	*2437.00	88.2 AV			1.05 H	253	54.50	33.70
3	4874.00	55.8 PK	74.0	-18.2	1.33 H	271	15.70	40.10
4	4874.00	41.7 AV	54.0	-12.3	1.33 H	271	1.60	40.10
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	94.0 PK			1.01 V	283	60.30	33.70
2	*2437.00	85.0 AV			1.01 V	283	51.30	33.70
3	4874.00	50.2 PK	74.0	-23.8	1.17 V	253	10.10	40.10
4	4874.00	37.2 AV	54.0	-16.8	1.17 V	253	-2.90	40.10

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	A		

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	96.2 PK			1.02 H	242	62.40	33.80
2	*2462.00	88.3 AV			1.02 H	242	54.50	33.80
3	2483.50	57.1 PK	74.0	-16.9	1.02 H	242	23.30	33.80
4	2483.50	49.2 AV	54.0	-4.8	1.02 H	242	15.40	33.80
5	4924.00	55.2 PK	74.0	-18.8	1.28 H	258	15.00	40.20
6	4924.00	41.2 AV	54.0	-12.8	1.28 H	258	1.00	40.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	94.3 PK			1.03 V	296	60.50	33.80
2	*2462.00	85.2 AV			1.03 V	296	51.40	33.80
3	2483.50	60.2 PK	74.0	-13.8	1.03 V	296	26.40	33.80
4	2483.50	46.0 AV	54.0	-8.0	1.03 V	296	12.20	33.80
5	4924.00	50.5 PK	74.0	-23.5	1.27 V	269	10.30	40.20
6	4924.00	37.1 AV	54.0	-16.9	1.27 V	269	-3.10	40.20

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	B		

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	65.4 PK	74.0	-8.6	1.09 H	259	31.90	33.50
2	2390.00	49.1 AV	54.0	-4.9	1.09 H	259	15.60	33.50
3	*2412.00	100.2 PK			1.09 H	259	66.60	33.60
4	*2412.00	91.3 AV			1.09 H	259	57.70	33.60
5	4824.00	50.7 PK	74.0	-23.3	1.08 H	201	10.70	40.00
6	4824.00	37.9 AV	54.0	-16.1	1.08 H	201	-2.10	40.00
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	63.6 PK	74.0	-10.4	1.79 V	285	30.10	33.50
2	2390.00	47.7 AV	54.0	-6.3	1.79 V	285	14.20	33.50
3	*2412.00	97.7 PK			1.79 V	285	64.10	33.60
4	*2412.00	88.2 AV			1.79 V	285	54.60	33.60
5	4824.00	49.2 PK	74.0	-24.8	1.15 V	219	9.20	40.00
6	4824.00	35.9 AV	54.0	-18.1	1.15 V	219	-4.10	40.00

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	B		

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	100.1 PK			1.07 H	248	66.40	33.70
2	*2437.00	91.0 AV			1.07 H	248	57.30	33.70
3	4874.00	50.2 PK	74.0	-23.8	1.03 H	217	10.10	40.10
4	4874.00	37.5 AV	54.0	-16.5	1.03 H	217	-2.60	40.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	97.2 PK			1.82 V	268	63.50	33.70
2	*2437.00	87.9 AV			1.82 V	268	54.20	33.70
3	4874.00	48.8 PK	74.0	-25.2	1.08 V	223	8.70	40.10
4	4874.00	35.1 AV	54.0	-18.9	1.08 V	223	-5.00	40.10

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	B		

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	99.8 PK			1.05 H	248	66.00	33.80
2	*2462.00	90.7 AV			1.05 H	248	56.90	33.80
3	2483.50	68.7 PK	74.0	-5.3	1.05 H	248	34.90	33.80
4	2483.50	49.8 AV	54.0	-4.2	1.05 H	248	16.00	33.80
5	4924.00	50.5 PK	74.0	-23.5	1.12 H	232	10.30	40.20
6	4924.00	38.1 AV	54.0	-15.9	1.12 H	232	-2.10	40.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	96.9 PK			1.65 V	277	63.10	33.80
2	*2462.00	87.2 AV			1.65 V	277	53.40	33.80
3	2483.50	62.9 PK	74.0	-11.1	1.65 V	277	29.10	33.80
4	2483.50	47.2 AV	54.0	-6.8	1.65 V	277	13.40	33.80
5	4924.00	49.3 PK	74.0	-24.7	1.03 V	221	9.10	40.20
6	4924.00	36.1 AV	54.0	-17.9	1.03 V	221	-4.10	40.20

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

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	A		

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	61.5 PK	74.0	-12.5	1.06 H	251	28.00	33.50
2	2390.00	49.1 AV	54.0	-4.9	1.06 H	251	15.60	33.50
3	*2422.00	94.4 PK			1.06 H	251	60.80	33.60
4	*2422.00	85.7 AV			1.06 H	251	52.10	33.60
5	4844.00	49.4 PK	74.0	-24.6	1.28 H	263	9.40	40.00
6	4844.00	37.8 AV	54.0	-16.2	1.28 H	263	-2.20	40.00
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	59.8 PK	74.0	-14.2	1.00 V	275	26.30	33.50
2	2390.00	47.8 AV	54.0	-6.2	1.00 V	275	14.30	33.50
3	*2422.00	92.1 PK			1.00 V	275	58.50	33.60
4	*2422.00	83.0 AV			1.00 V	275	49.40	33.60
5	4844.00	48.5 PK	74.0	-25.5	1.28 V	269	8.50	40.00
6	4844.00	36.0 AV	54.0	-18.0	1.28 V	269	-4.00	40.00

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	A		

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	94.7 PK			1.03 H	242	61.00	33.70
2	*2437.00	86.0 AV			1.03 H	242	52.30	33.70
3	4874.00	49.9 PK	74.0	-24.1	1.17 H	196	9.80	40.10
4	4874.00	38.1 AV	54.0	-15.9	1.17 H	196	-2.00	40.10
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	92.4 PK			1.00 V	277	58.70	33.70
2	*2437.00	83.4 AV			1.00 V	277	49.70	33.70
3	4874.00	48.3 PK	74.0	-25.7	1.35 V	217	8.20	40.10
4	4874.00	36.2 AV	54.0	-17.8	1.35 V	217	-3.90	40.10

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	A		

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	95.0 PK			1.02 H	247	61.30	33.70
2	*2452.00	86.2 AV			1.02 H	247	52.50	33.70
3	2483.50	62.0 PK	74.0	-12.0	1.02 H	247	28.20	33.80
4	2483.50	49.2 AV	54.0	-4.8	1.02 H	247	15.40	33.80
5	4904.00	49.3 PK	74.0	-24.7	1.32 H	208	9.10	40.20
6	4904.00	37.8 AV	54.0	-16.2	1.32 H	208	-2.40	40.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	92.8 PK			1.01 V	275	59.10	33.70
2	*2452.00	83.7 AV			1.01 V	275	50.00	33.70
3	2483.50	60.3 PK	74.0	-13.7	1.01 V	275	26.50	33.80
4	2483.50	48.3 AV	54.0	-5.7	1.01 V	275	14.50	33.80
5	4904.00	48.8 PK	74.0	-25.2	1.31 V	277	8.60	40.20
6	4904.00	36.3 AV	54.0	-17.7	1.31 V	277	-3.90	40.20

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	B		

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	63.2 PK	74.0	-10.8	1.07 H	247	29.70	33.50
2	2390.00	52.2 AV	54.0	-1.8	1.07 H	247	18.70	33.50
3	*2422.00	96.7 PK			1.07 H	247	63.10	33.60
4	*2422.00	87.6 AV			1.07 H	247	54.00	33.60
5	4844.00	50.2 PK	74.0	-23.8	1.05 H	197	10.20	40.00
6	4844.00	36.9 AV	54.0	-17.1	1.05 H	197	-3.10	40.00
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	63.7 PK	74.0	-10.3	1.79 V	288	30.20	33.50
2	2390.00	49.8 AV	54.0	-4.2	1.79 V	288	16.30	33.50
3	*2422.00	95.8 PK			1.79 V	288	62.20	33.60
4	*2422.00	86.4 AV			1.79 V	288	52.80	33.60
5	4844.00	47.3 PK	74.0	-26.7	1.09 V	225	7.30	40.00
6	4844.00	35.3 AV	54.0	-18.7	1.09 V	225	-4.70	40.00

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	B		

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	96.2 PK			1.07 H	249	62.50	33.70
2	*2437.00	87.1 AV			1.07 H	249	53.40	33.70
3	4874.00	49.7 PK	74.0	-24.3	1.07 H	179	9.60	40.10
4	4874.00	36.9 AV	54.0	-17.1	1.07 H	179	-3.20	40.10
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	95.5 PK			1.77 V	288	61.80	33.70
2	*2437.00	85.9 AV			1.77 V	288	52.20	33.70
3	4874.00	47.5 PK	74.0	-26.5	1.17 V	232	7.40	40.10
4	4874.00	35.8 AV	54.0	-18.2	1.17 V	232	-4.30	40.10

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	B		

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	95.7 PK			1.04 H	253	62.00	33.70
2	*2452.00	86.6 AV			1.04 H	253	52.90	33.70
3	2483.50	63.2 PK	74.0	-10.8	1.04 H	253	29.40	33.80
4	2483.50	50.5 AV	54.0	-3.5	1.04 H	253	16.70	33.80
5	4904.00	50.5 PK	74.0	-23.5	1.08 H	203	10.30	40.20
6	4904.00	37.3 AV	54.0	-16.7	1.08 H	203	-2.90	40.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	95.0 PK			1.69 V	278	61.30	33.70
2	*2452.00	85.3 AV			1.69 V	278	51.60	33.70
3	2483.50	63.0 PK	74.0	-11.0	1.69 V	278	29.20	33.80
4	2483.50	52.0 AV	54.0	-2.0	1.69 V	278	18.20	33.80
5	4904.00	47.9 PK	74.0	-26.1	1.25 V	247	7.70	40.20
6	4904.00	35.9 AV	54.0	-18.1	1.25 V	247	-4.30	40.20

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

BELOW 1GHz WORST-CASE DATA：802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	A		

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	47.40	23.0 QP	40.0	-17.0	1.25 H	13	9.40	13.60
2	66.84	27.4 QP	40.0	-12.6	1.50 H	187	14.70	12.70
3	232.11	29.4 QP	46.0	-16.6	1.50 H	229	16.80	12.60
4	331.26	29.5 QP	46.0	-16.5	1.50 H	163	13.20	16.30
5	479.03	28.8 QP	46.0	-17.2	1.00 H	10	8.60	20.20
6	720.12	35.5 QP	46.0	-10.5	1.00 H	271	10.60	24.90
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	66.84	29.7 QP	40.0	-10.3	1.00 V	274	17.00	12.70
2	99.89	28.3 QP	43.5	-15.2	1.25 V	145	18.80	9.50
3	228.22	21.9 QP	46.0	-24.1	1.00 V	211	9.40	12.50
4	333.21	25.5 QP	46.0	-20.5	2.00 V	127	9.10	16.40
5	564.58	26.8 QP	46.0	-19.2	1.00 V	292	4.40	22.40
6	720.12	29.1 QP	46.0	-16.9	1.25 V	295	4.20	24.90

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 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 68%RH 1006 hPa	TESTED BY	Sun Lin
TEST MODE	B		

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	319.60	26.2 QP	46.0	-19.8	1.00 H	235	10.10	16.10
2	479.03	25.0 QP	46.0	-21.0	1.00 H	10	4.80	20.20
3	550.97	31.2 QP	46.0	-14.8	1.00 H	268	9.10	22.10
4	720.12	34.4 QP	46.0	-11.6	1.00 H	262	9.50	24.90
5	797.89	38.5 QP	46.0	-7.5	1.00 H	235	12.10	26.40
6	869.83	33.7 QP	46.0	-12.3	2.00 H	22	5.90	27.80
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	31.84	31.0 QP	40.0	-9.0	1.00 V	211	18.20	12.80
2	86.28	27.7 QP	40.0	-12.3	1.00 V	136	18.70	9.00
3	339.04	28.2 QP	46.0	-17.8	1.50 V	241	11.70	16.50
4	634.57	28.2 QP	46.0	-17.8	1.00 V	136	4.60	23.60
5	720.12	30.2 QP	46.0	-15.8	1.25 V	283	5.30	24.90
6	797.89	39.6 QP	46.0	-6.4	1.25 V	295	13.20	26.40

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.

4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	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.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100288	Sep. 24, 2009	Sep. 23, 2010
RF signal cable Woken	5D-FB	Cable-HYCO2-01	Dec. 31, 2009	Dec. 30, 2010
LISN ROHDE & SCHWARZ	ESH2-Z5	100100	Aug. 24, 2009	Aug. 23, 2010
LISN ROHDE & SCHWARZ	ESH3-Z5	100311	Jul. 29, 2009	Jul. 28, 2010
Software ADT	ADT_Cond_ V7.3.7	NA	NA	NA

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

4.2.3 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.

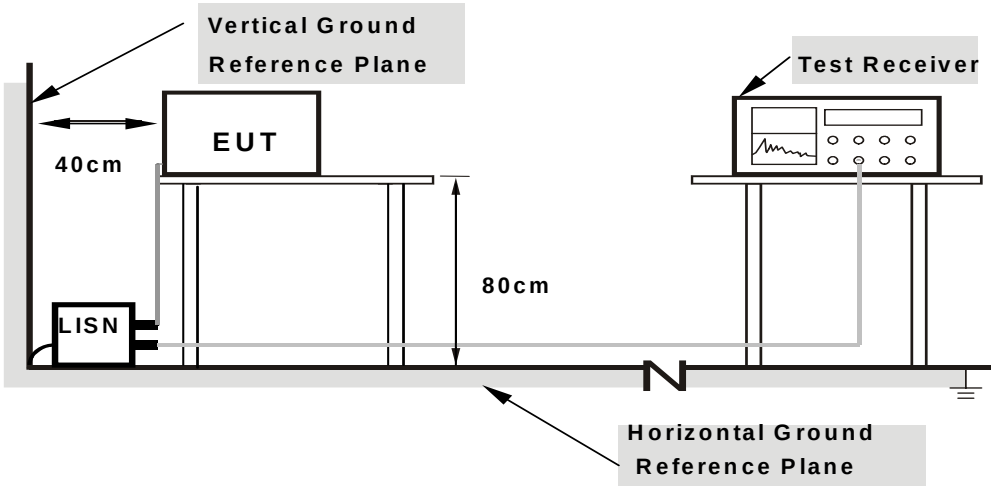
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation.

4.2.5 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).

4.2.6 EUT OPERATING CONDITIONS

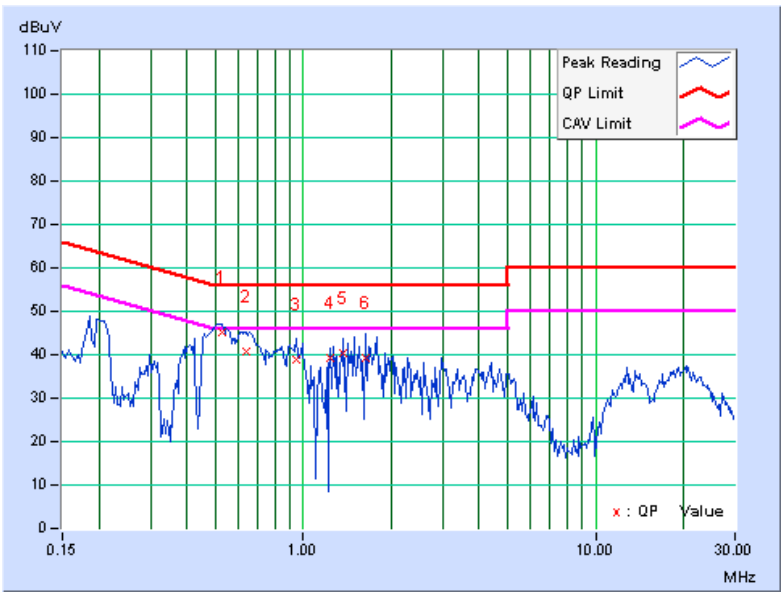
Same as 4.1.6.

4.2.7 TEST RESULTS

PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.525	0.19	44.94	-	45.13	-	56.00	46.00	-10.87	-
2	0.642	0.20	40.58	-	40.78	-	56.00	46.00	-15.22	-
3	0.951	0.23	38.66	-	38.89	-	56.00	46.00	-17.11	-
4	1.242	0.25	39.17	-	39.42	-	56.00	46.00	-16.58	-
5	1.375	0.26	40.24	-	40.50	-	56.00	46.00	-15.50	-
6	1.641	0.28	38.84	-	39.12	-	56.00	46.00	-16.88	-

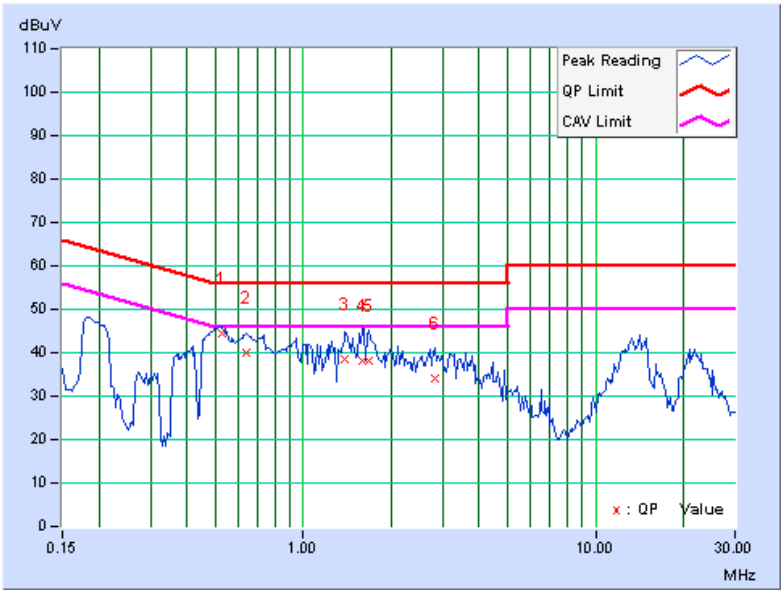
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 2	6dB BANDWIDTH	9kHz
TEST MODE	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.529	0.17	44.09	-	44.26	-	56.00	46.00	-11.74	-
2	0.638	0.18	39.88	-	40.06	-	56.00	46.00	-15.94	-
3	1.391	0.25	38.17	-	38.42	-	56.00	46.00	-17.58	-
4	1.586	0.27	37.88	-	38.15	-	56.00	46.00	-17.85	-
5	1.672	0.27	38.00	-	38.27	-	56.00	46.00	-17.73	-
6	2.824	0.32	33.77	-	34.09	-	56.00	46.00	-21.91	-

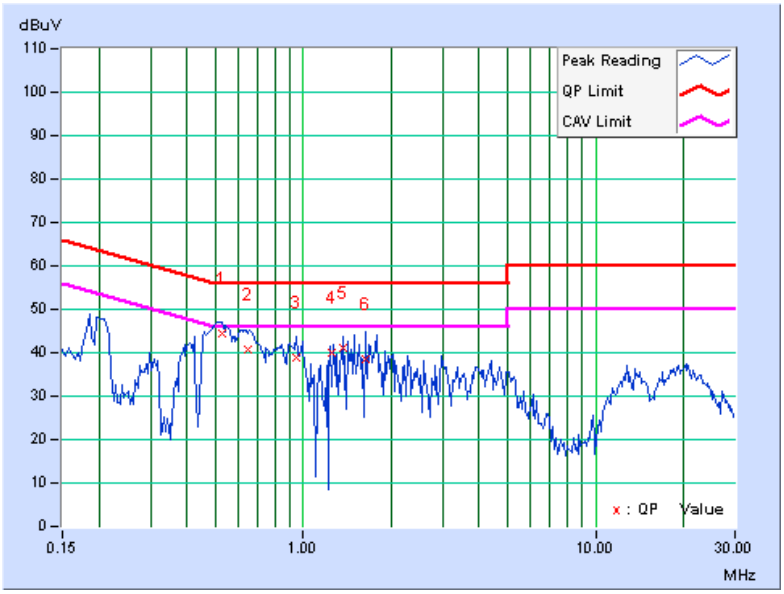
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 1	6dB BANDWIDTH	9kHz
TEST MODE	B		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.525	0.19	44.34	-	44.53	-	56.00	46.00	-11.47	-
2	0.644	0.20	40.69	-	40.89	-	56.00	46.00	-15.11	-
3	0.951	0.23	38.74	-	38.97	-	56.00	46.00	-17.03	-
4	1.245	0.25	39.84	-	40.09	-	56.00	46.00	-15.91	-
5	1.375	0.26	40.68	-	40.94	-	56.00	46.00	-15.06	-
6	1.641	0.28	38.12	-	38.40	-	56.00	46.00	-17.60	-

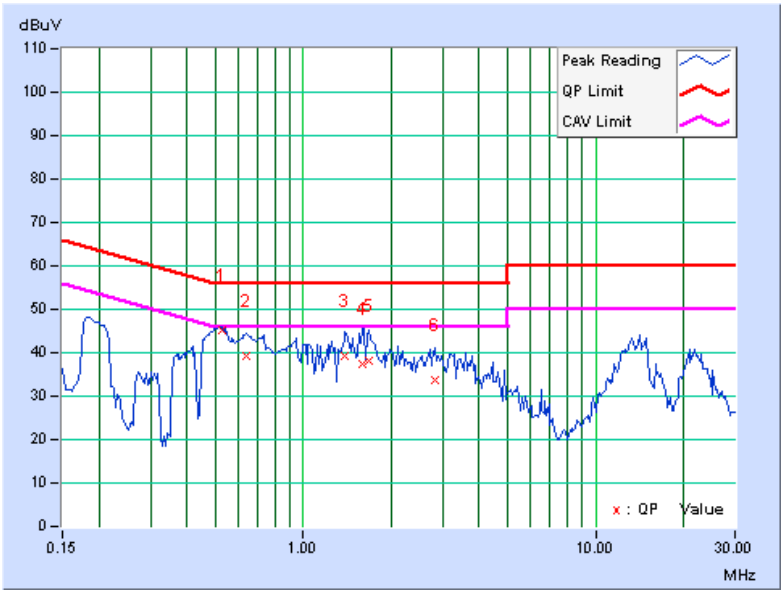
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 2	**6dB BANDWIDTH**	9kHz
TEST MODE	**B**		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.528**	**0.17**	**45.20**	**-**	**45.37**	**-**	**56.00**	**46.00**	**-10.63**	**-**
2	0.639	0.18	39.25	-	39.43	-	56.00	46.00	-16.57	-
3	1.391	0.25	38.84	-	39.09	-	56.00	46.00	-16.91	-
4	1.587	0.27	37.16	-	37.43	-	56.00	46.00	-18.57	-
5	1.672	0.27	38.00	-	38.27	-	56.00	46.00	-17.73	-
6	2.825	0.32	33.36	-	33.68	-	56.00	46.00	-22.32	-

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.



4.3 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.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
R&S SPECTRUM ANALYZER	FSP40	100040	Jul. 07, 2009	Jul. 06, 2010

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

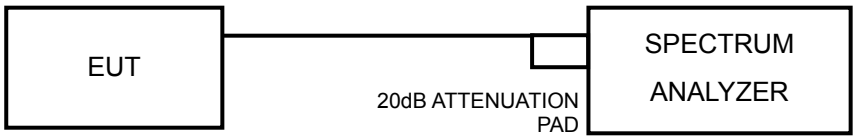
4.3.3 TEST PROCEDURE

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

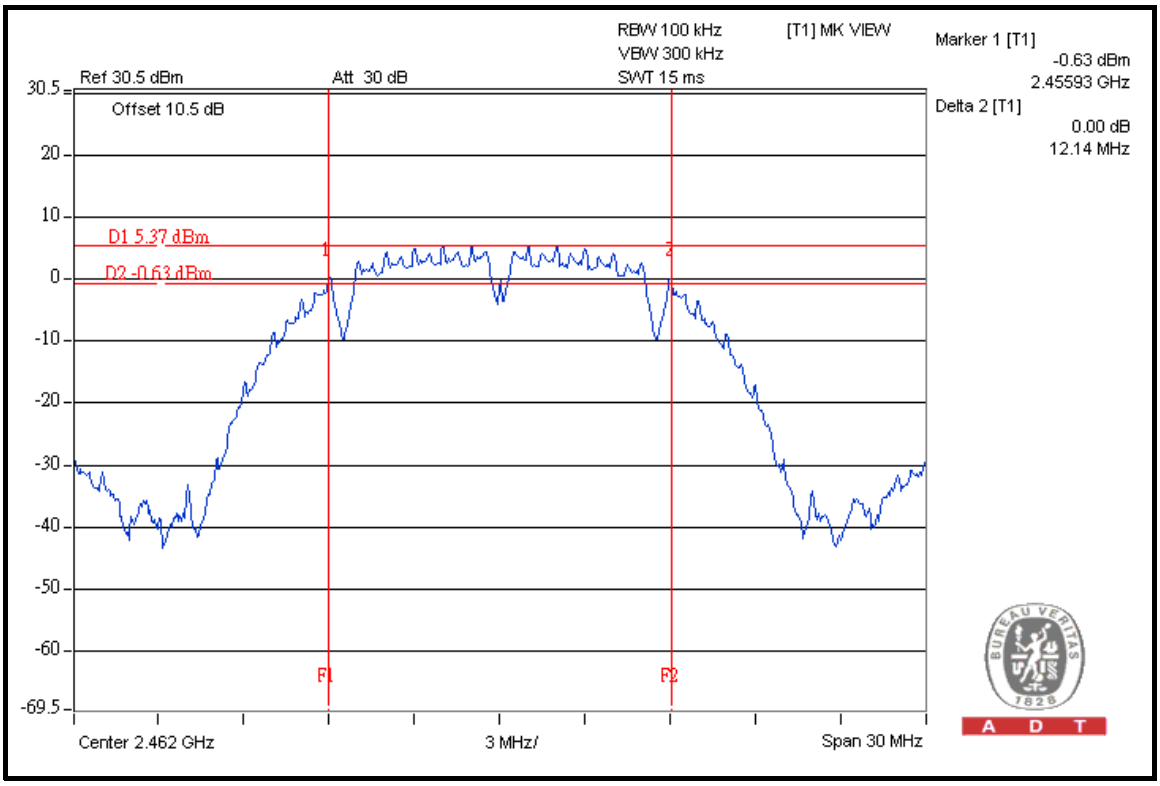
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 TEST RESULTS

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	12.14	0.5	PASS
6	2437	12.12	0.5	PASS
11	2462	12.14	0.5	PASS

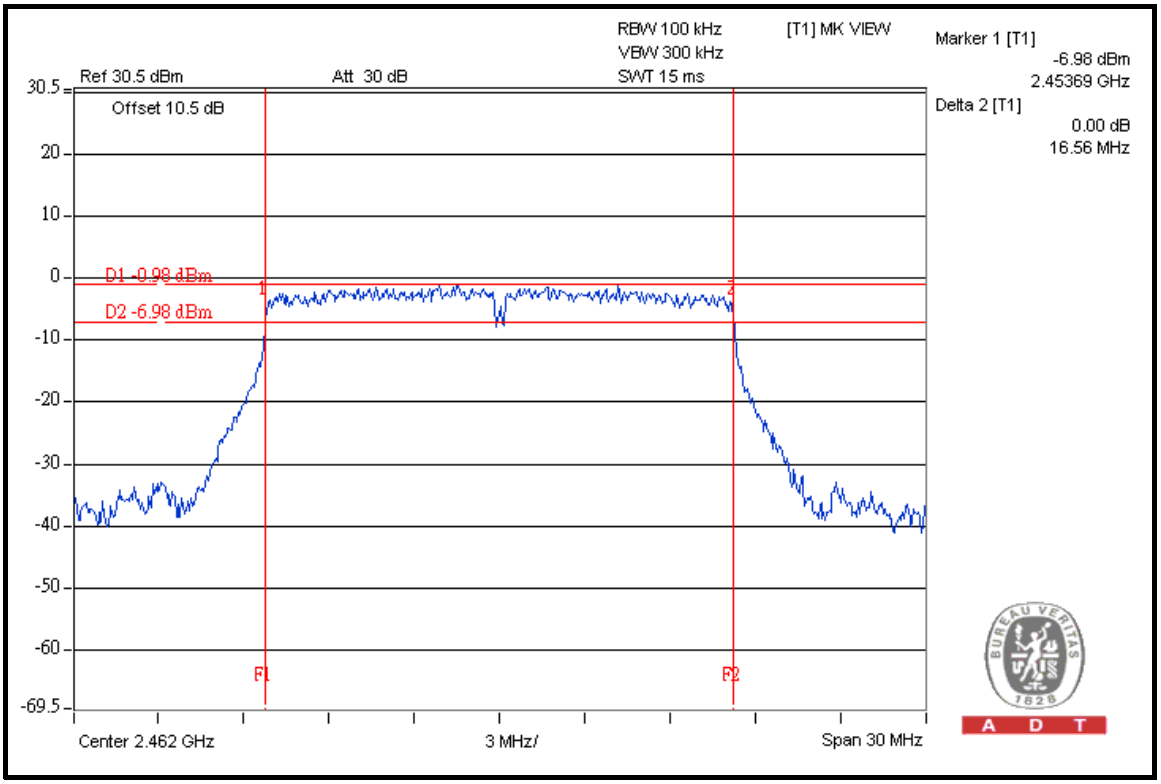
CH 11



802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	16.56	0.5	PASS
6	2437	16.54	0.5	PASS
11	2462	16.56	0.5	PASS

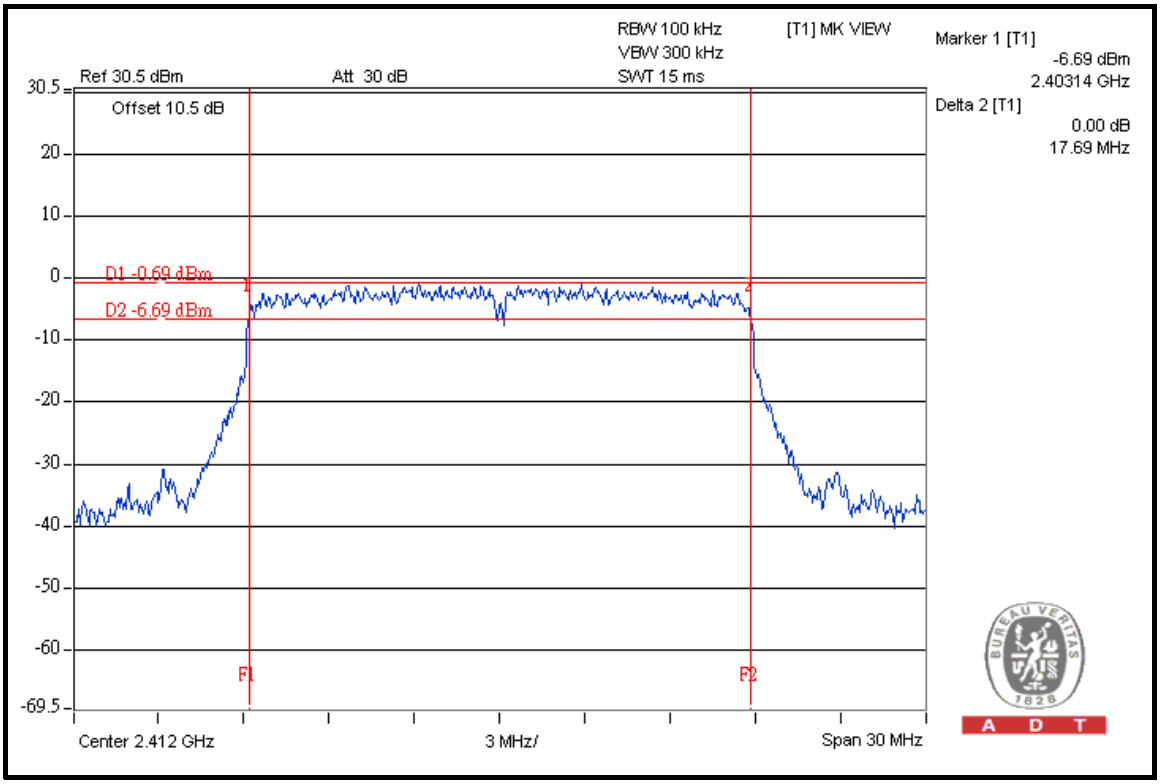
CH 11



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	17.69	0.5	PASS
6	2437	17.66	0.5	PASS
11	2462	17.68	0.5	PASS

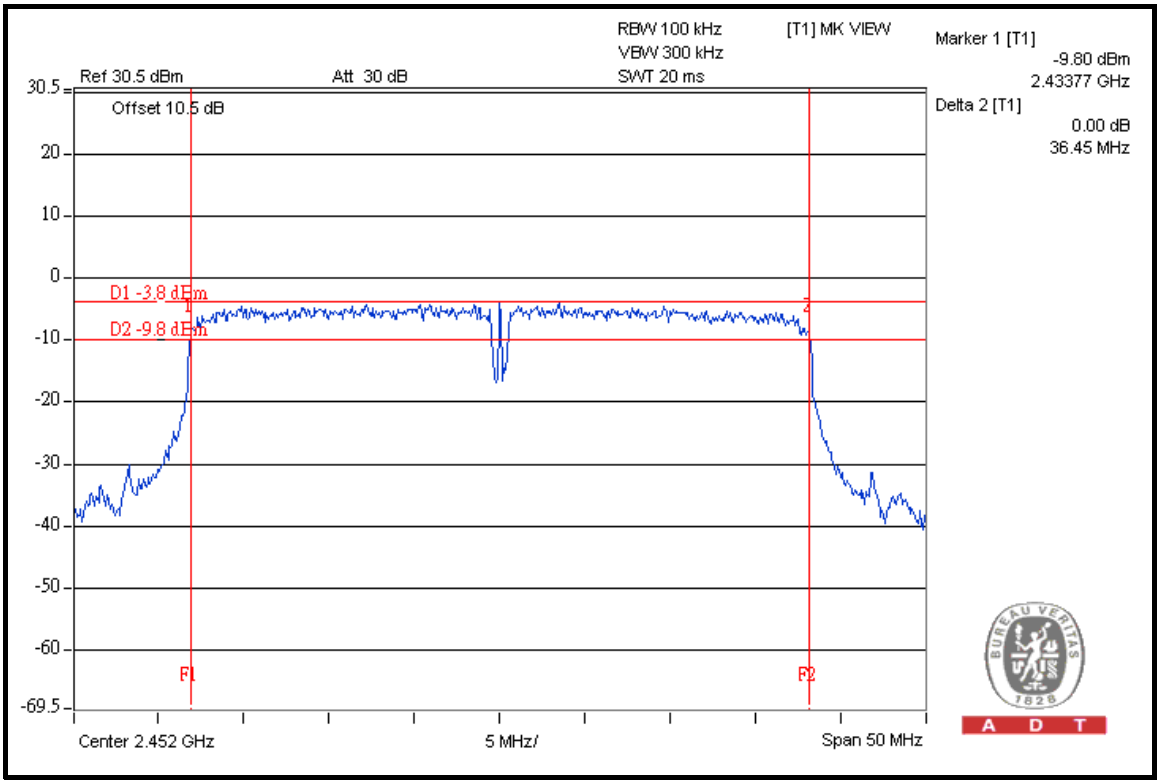
CH 1



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2422	36.44	0.5	PASS
4	2437	36.43	0.5	PASS
7	2452	36.45	0.5	PASS

CH 7



4.4 MAXIMUM OUTPUT POWER

4.4.1 LIMITS OF MAXIMUM OUTPUT POWER MEASUREMENT

The Maximum Output Power Measurement is 30dBm.

4.4.2 INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
High Speed Peak Power Meter	ML2495A	0824012	Aug. 10, 2009	Aug. 09, 2010
Power Sensor	MA2411B	0738138	Aug. 10, 2009	Aug. 09, 2010

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. Measurement Bandwidth of ML2495A is 65MHz greater than 6dB bandwidth of emission.

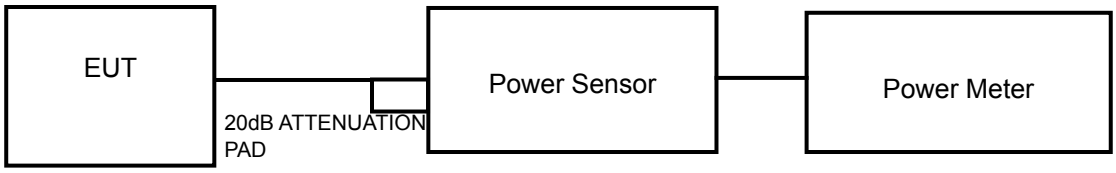
4.4.3 TEST PROCEDURES

A power sensor was used on the output port of the EUT. A power meter was used to read the response of the power sensor. 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

CHAN	CHANNEL FREQUENCY (MHz)	POWER OUTPUT (mW)	POWER OUTPUT (dBm)	POWER LIMIT (dBm)	PASS/FAIL
1	2412	70.8	18.5	30	PASS
6	2437	74.1	18.7	30	PASS
11	2462	67.6	18.3	30	PASS

802.11g

CHAN	CHANNEL FREQUENCY (MHz)	POWER OUTPUT (mW)	POWER OUTPUT (dBm)	POWER LIMIT (dBm)	PASS/FAIL
1	2412	208.9	23.2	30	PASS
6	2437	**295.1**	24.7	30	PASS
11	2462	223.9	23.5	30	PASS

802.11n (20MHz)

CHAN	CHANNEL FREQUENCY (MHz)	POWER OUTPUT (mW)	POWER OUTPUT (dBm)	POWER LIMIT (dBm)	PASS/FAIL
1	2412	204.2	23.1	30	PASS
6	2437	204.2	23.1	30	PASS
11	2462	195.0	22.9	30	PASS

802.11n (40MHz)

CHAN	CHANNEL FREQUENCY (MHz)	POWER OUTPUT (mW)	POWER OUTPUT (dBm)	POWER LIMIT (dBm)	PASS/FAIL
1	2422	166.0	22.2	30	PASS
4	2437	173.8	22.4	30	PASS
7	2452	173.8	22.4	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.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
R&S SPECTRUM ANALYZER	FSP40	100040	Jul. 07, 2009	Jul. 06, 2010

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

4.5.3 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

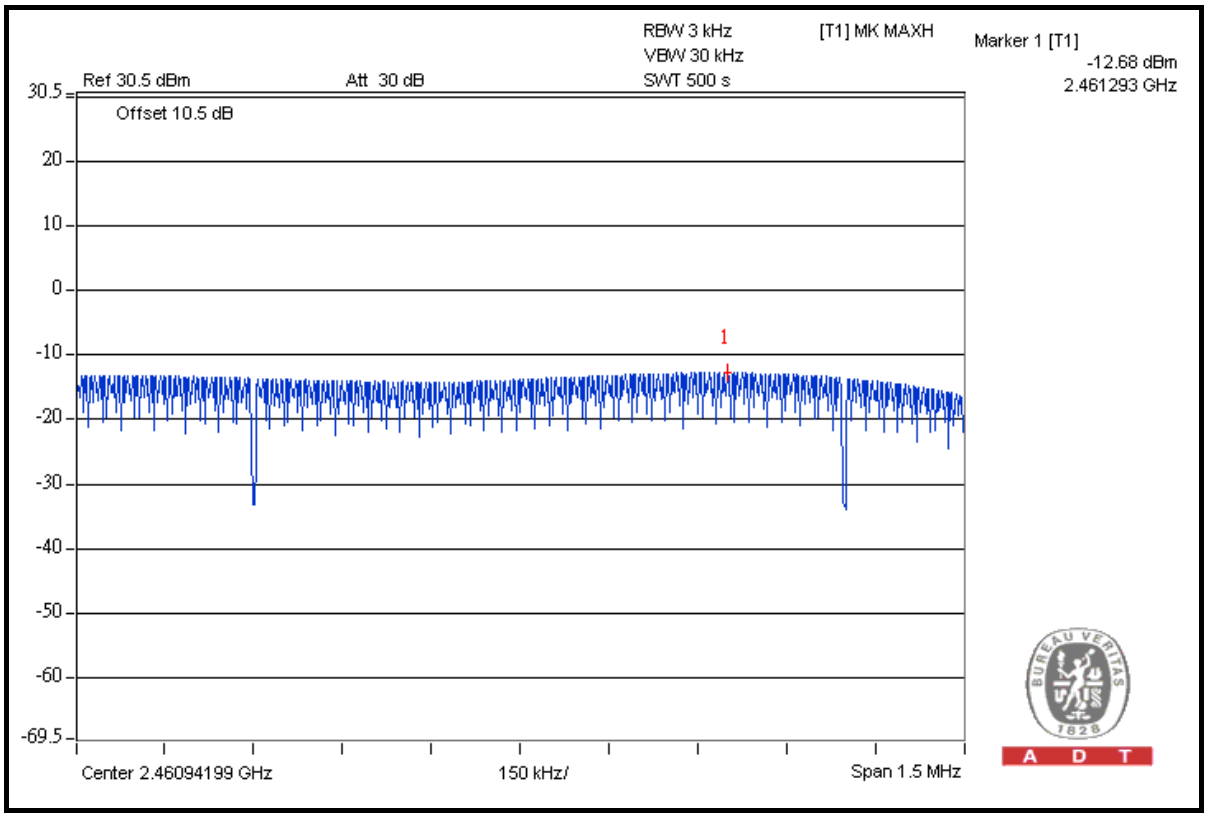
Same as Item 4.3.6.

4.5.7 TEST RESULTS

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-13.25	8	PASS
6	2437	-13.24	8	PASS
11	2462	-12.68	8	PASS

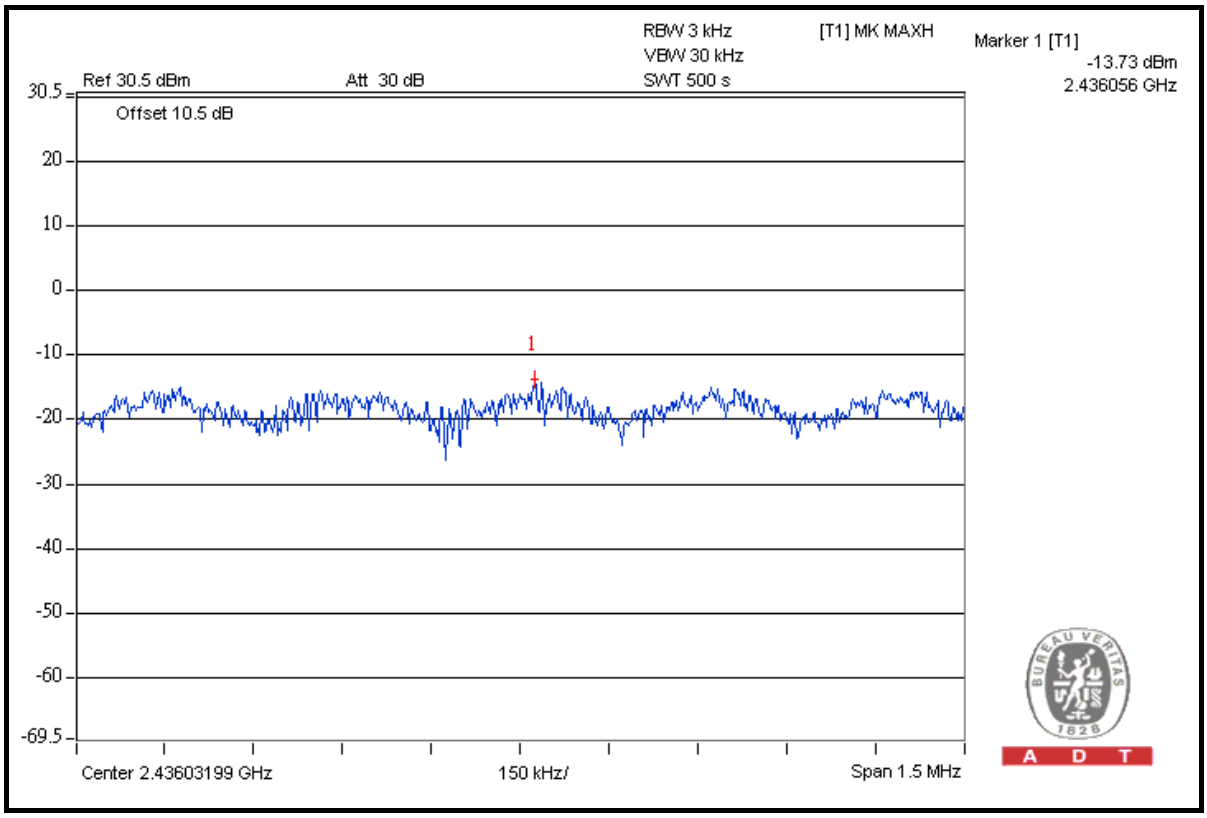
CH 11



802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-15.00	8	PASS
6	2437	-13.73	8	PASS
11	2462	-14.65	8	PASS

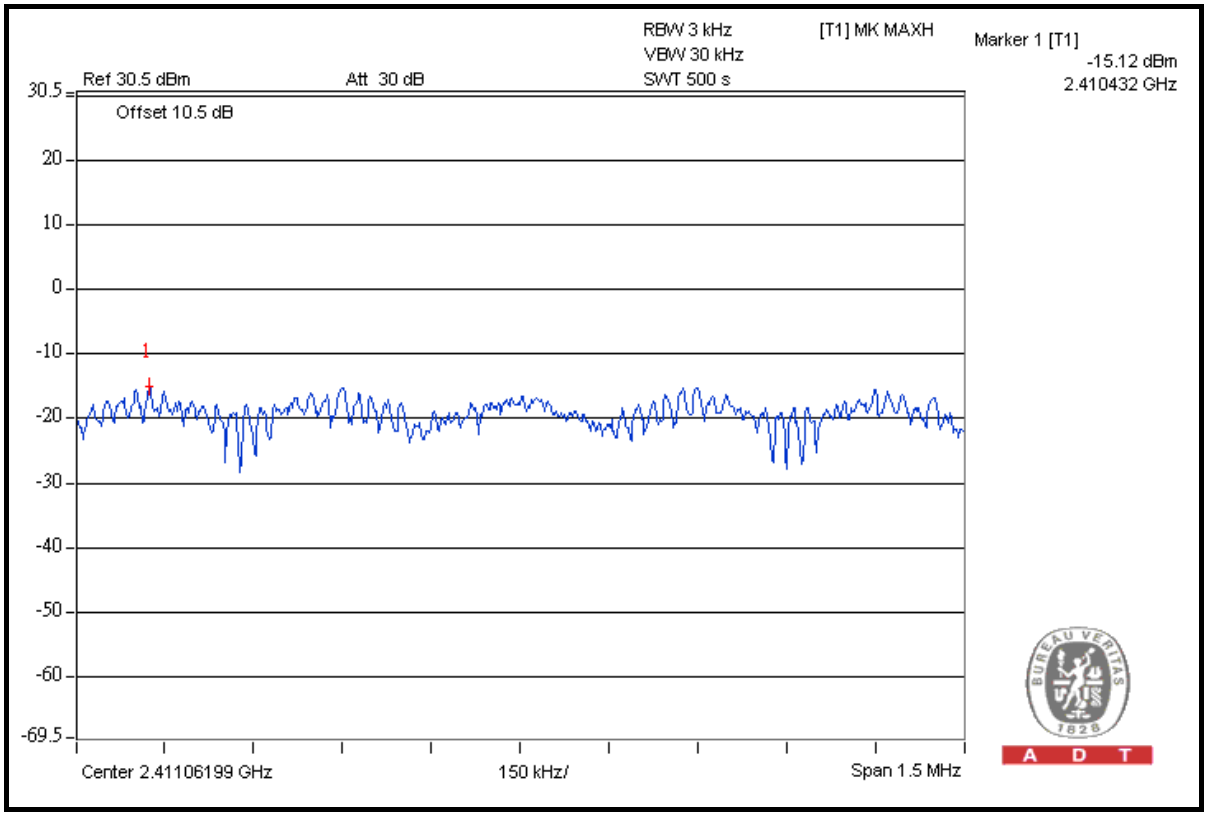
CH 6



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-15.12	8	PASS
6	2437	-15.13	8	PASS
11	2462	-15.51	8	PASS

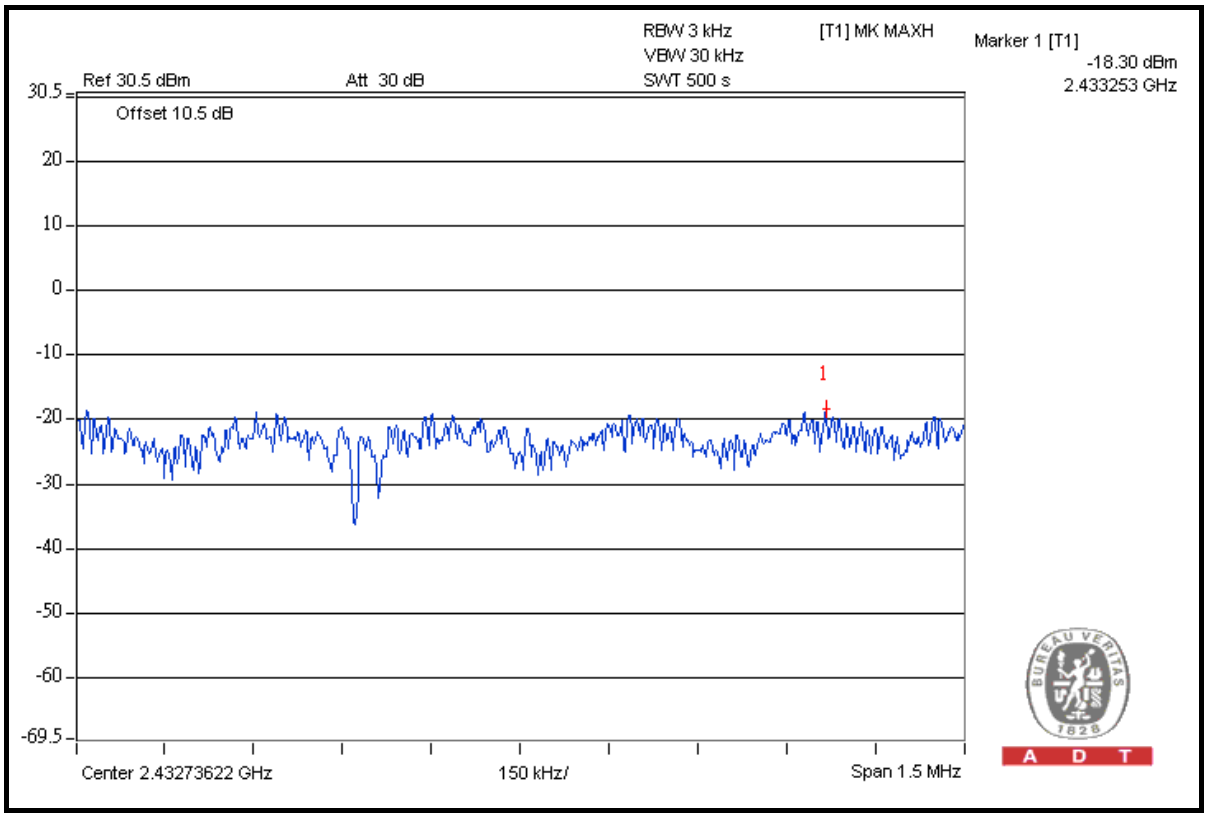
CH 1



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2422	-18.71	8	PASS
4	2437	-18.30	8	PASS
7	2452	-18.42	8	PASS

CH 4



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.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
R&S SPECTRUM ANALYZER	FSP40	100040	Jul. 07, 2009	Jul. 06, 2010

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

4.6.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low lose cable. Set both RBW and VBW of spectrum analyzer to 100kHz and 300kHz with suitable frequency span including 100MHz bandwidth from band edge. The band edges was measured and recorded.

The spectrum plots (Peak RBW = 100kHz, VBW = 300kHz; Average RBW = 1MHz, VBW = 10Hz) are attached on the following pages.

4.6.4 DEVIATION FROM TEST STANDARD

No deviation.

4.6.5 EUT OPERATING CONDITION

Same as Item 4.3.6.

4.6.6 TEST RESULTS

The spectrum plots are attached on the following 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

TEST MODE A

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	98.2	48.53	49.67	74.00
2412.00 (AV)	94.4	54.23	40.17	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	98.8	48.83	49.97	74.00
2462.00 (AV)	95.2	55.09	40.11	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

TEST MODE B

RESTRICT BAND (2310 ~ 2390 MHz)

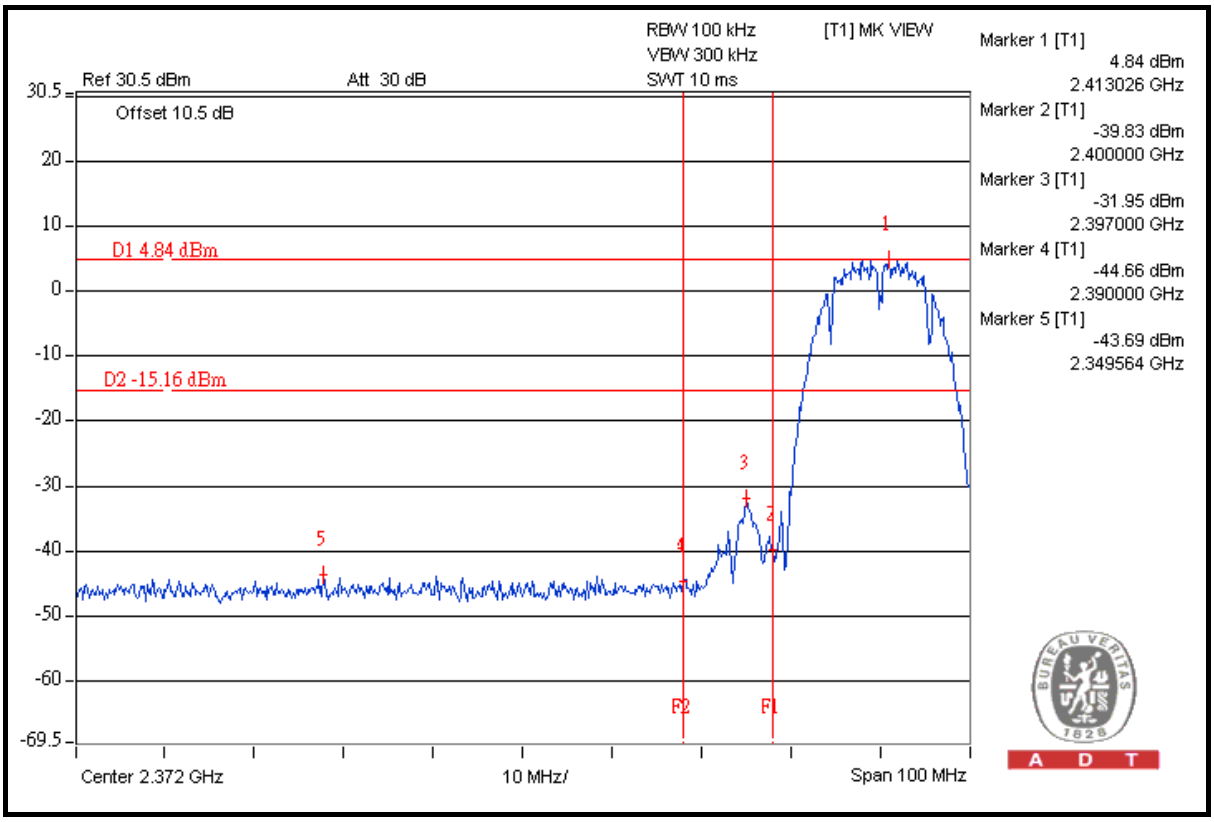
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	101.9	48.53	53.37	74.00
2412.00 (AV)	98.3	54.23	44.07	54.00

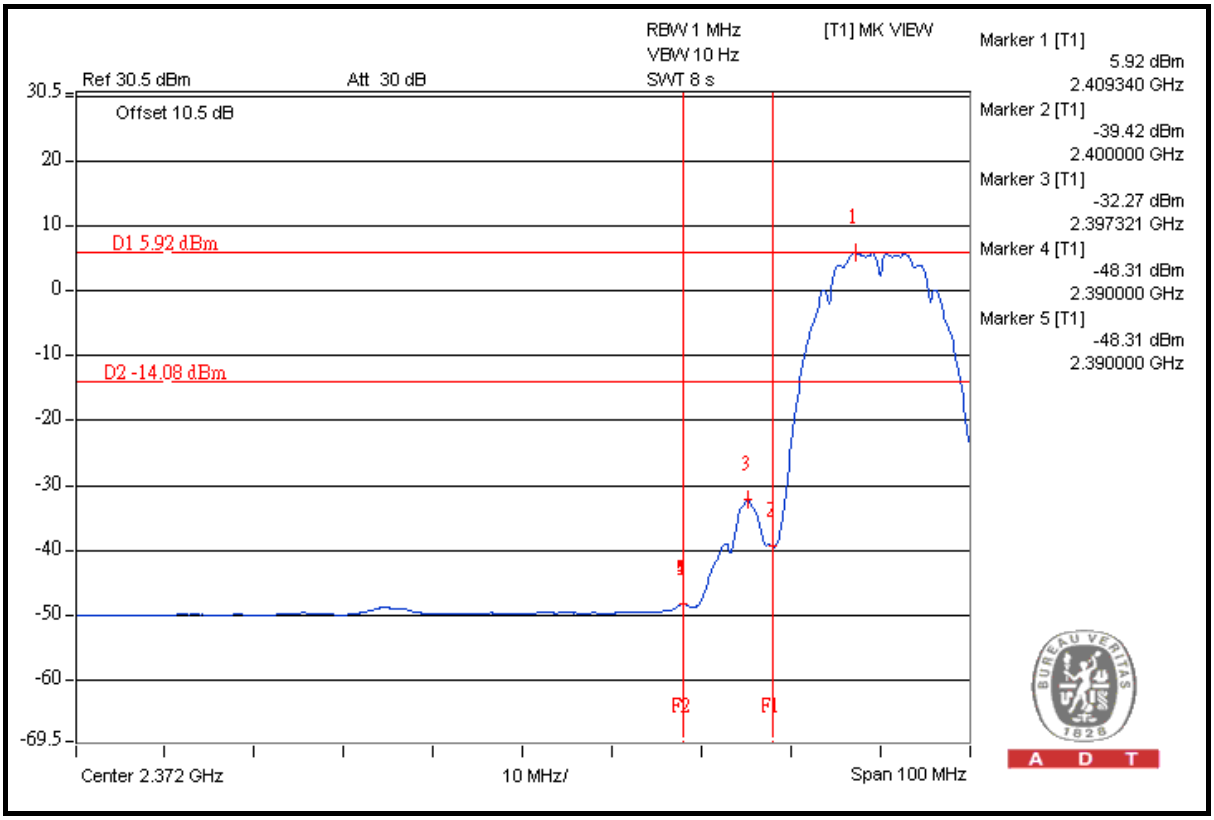
RESTRICT BAND (2483.5 ~ 2500 MHz)

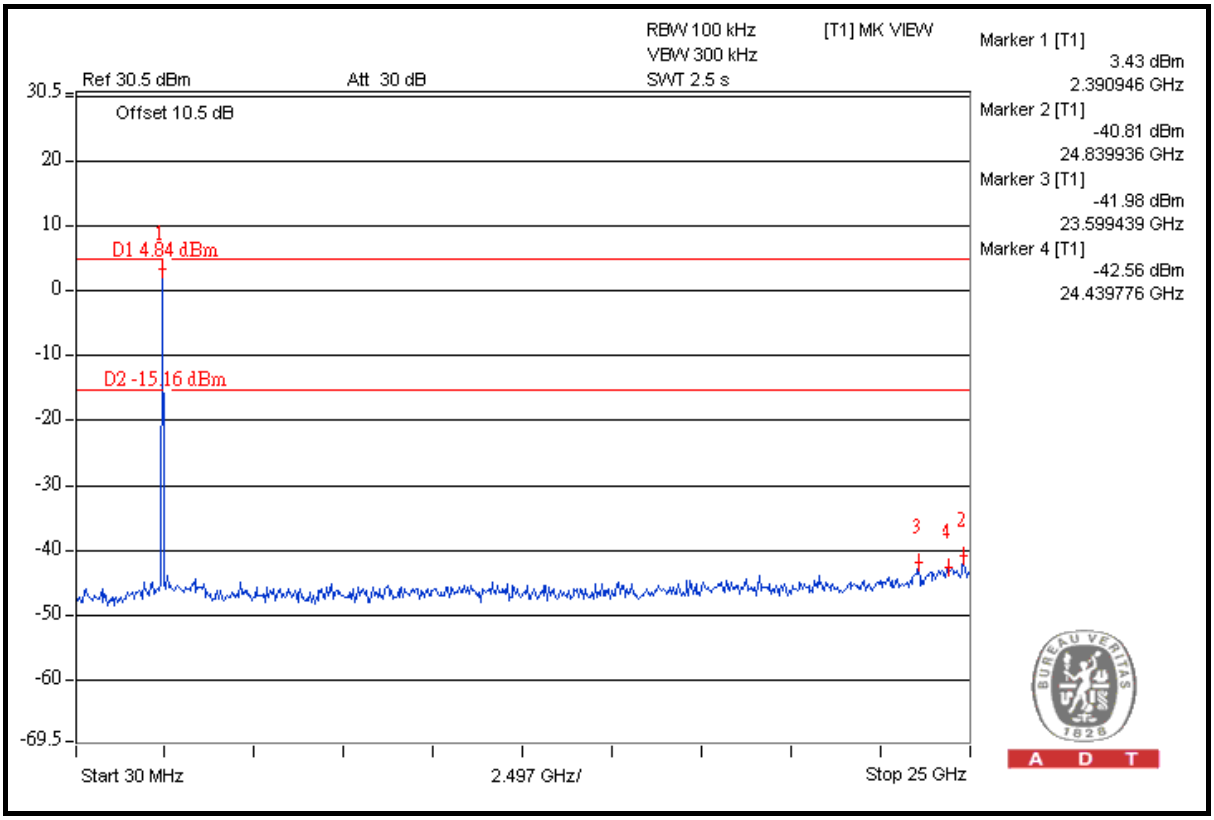
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	100.1	48.83	51.27	74.00
2462.00 (AV)	96.5	55.09	41.41	54.00

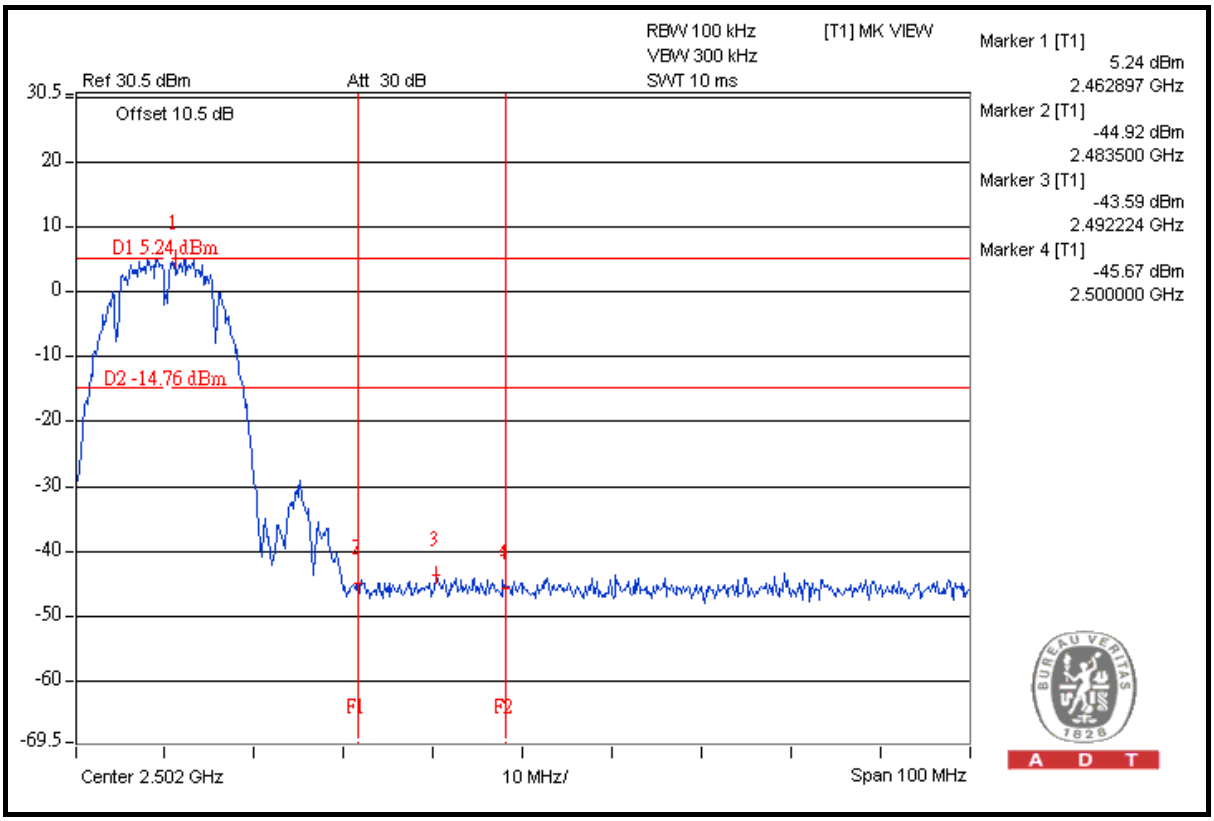
NOTE:

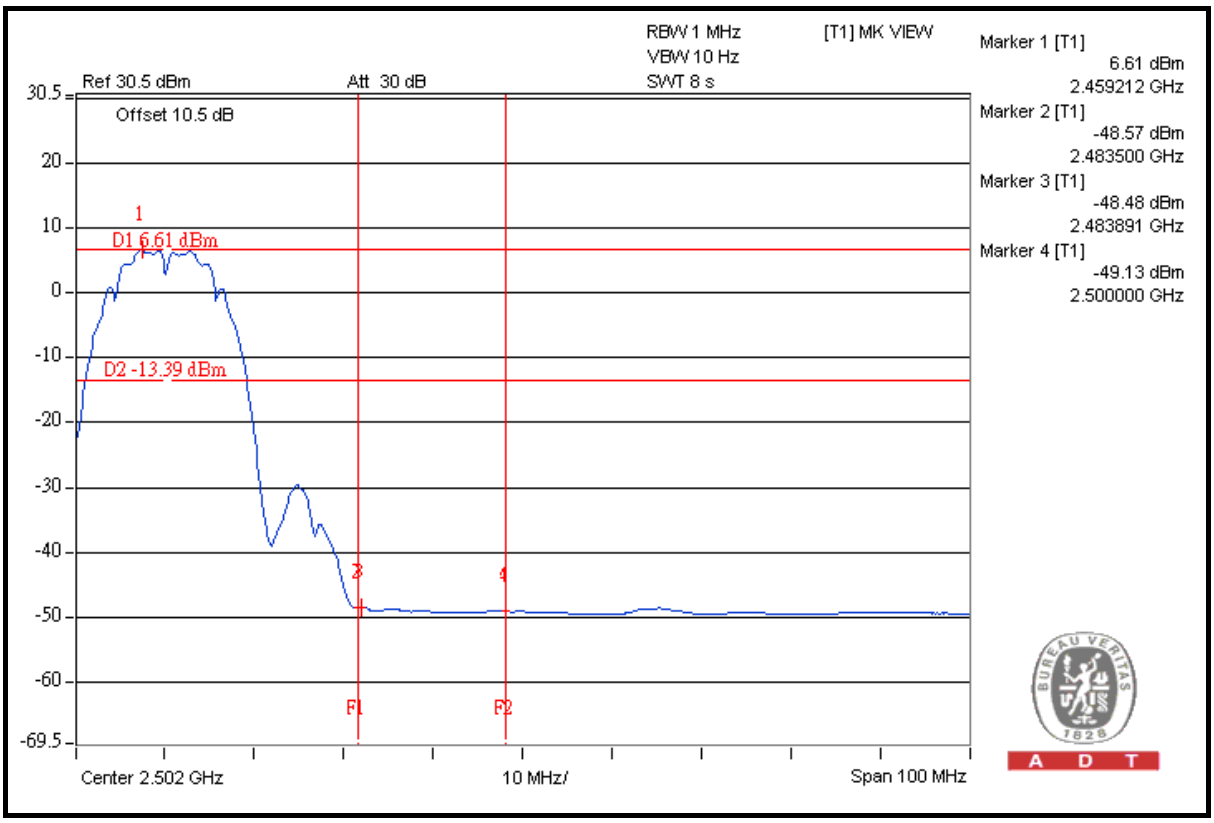
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

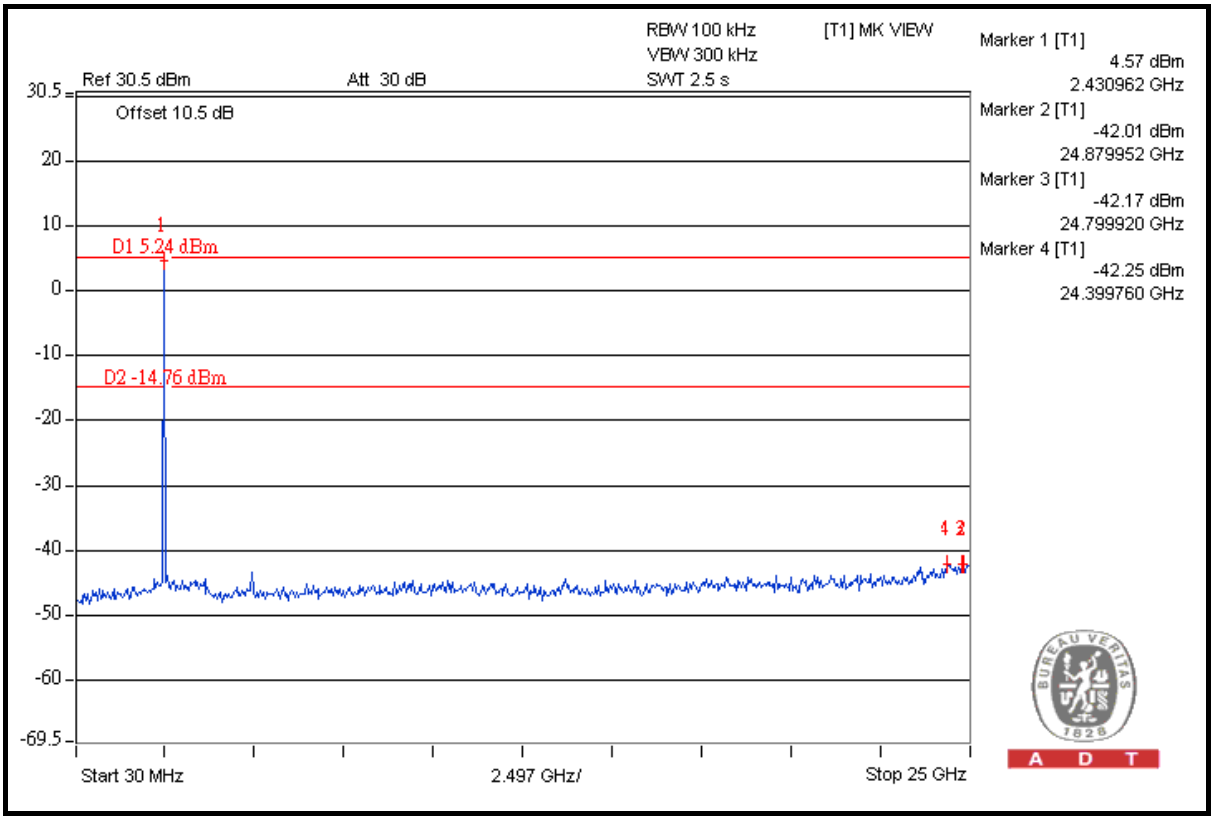

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 4.84 dBm
D2 -15.16 dBm
Marker 1 [T1]
4.84 dBm
2.413026 GHz
Marker 2 [T1]
-39.83 dBm
2.400000 GHz
Marker 3 [T1]
-31.95 dBm
2.397000 GHz
Marker 4 [T1]
-44.66 dBm
2.390000 GHz
Marker 5 [T1]
-43.69 dBm
2.349564 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 5.92 dBm
D2 -14.08 dBm
Marker 1 [T1]
5.92 dBm
2.409340 GHz
Marker 2 [T1]
-39.42 dBm
2.400000 GHz
Marker 3 [T1]
-32.27 dBm
2.397321 GHz
Marker 4 [T1]
-48.31 dBm
2.390000 GHz
Marker 5 [T1]
-48.31 dBm
2.390000 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 4.84 dBm
D2 -15.16 dBm
Marker 1 [T1]
3.43 dBm
2.390946 GHz
Marker 2 [T1]
-40.81 dBm
24.839936 GHz
Marker 3 [T1]
-41.98 dBm
23.599439 GHz
Marker 4 [T1]
-42.56 dBm
24.439776 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 5.24 dBm
D2 -14.76 dBm
Marker 1 [T1]
5.24 dBm
2.462897 GHz
Marker 2 [T1]
-44.92 dBm
2.483500 GHz
Marker 3 [T1]
-43.59 dBm
2.492224 GHz
Marker 4 [T1]
-45.67 dBm
2.500000 GHz
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 6.61 dBm
D2 -13.39 dBm
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz
Marker 1 [T1]
6.61 dBm
2.459212 GHz
Marker 2 [T1]
-48.57 dBm
2.483500 GHz
Marker 3 [T1]
-48.48 dBm
2.483891 GHz
Marker 4 [T1]
-49.13 dBm
2.500000 GHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 5.24 dBm
D2 -14.76 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz
Marker 1 [T1]
4.57 dBm
2.430962 GHz
Marker 2 [T1]
-42.01 dBm
24.879952 GHz
Marker 3 [T1]
-42.17 dBm
24.799920 GHz
Marker 4 [T1]
-42.25 dBm
24.399760 GHz

802.11g

TEST MODE A

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	96.9	42.51	54.39	74.00
2412.00 (AV)	89.0	47.55	41.45	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	97.2	41.18	56.02	74.00
2462.00 (AV)	89.1	47.14	41.96	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

TEST MODE B

RESTRICT BAND (2310 ~ 2390 MHz)

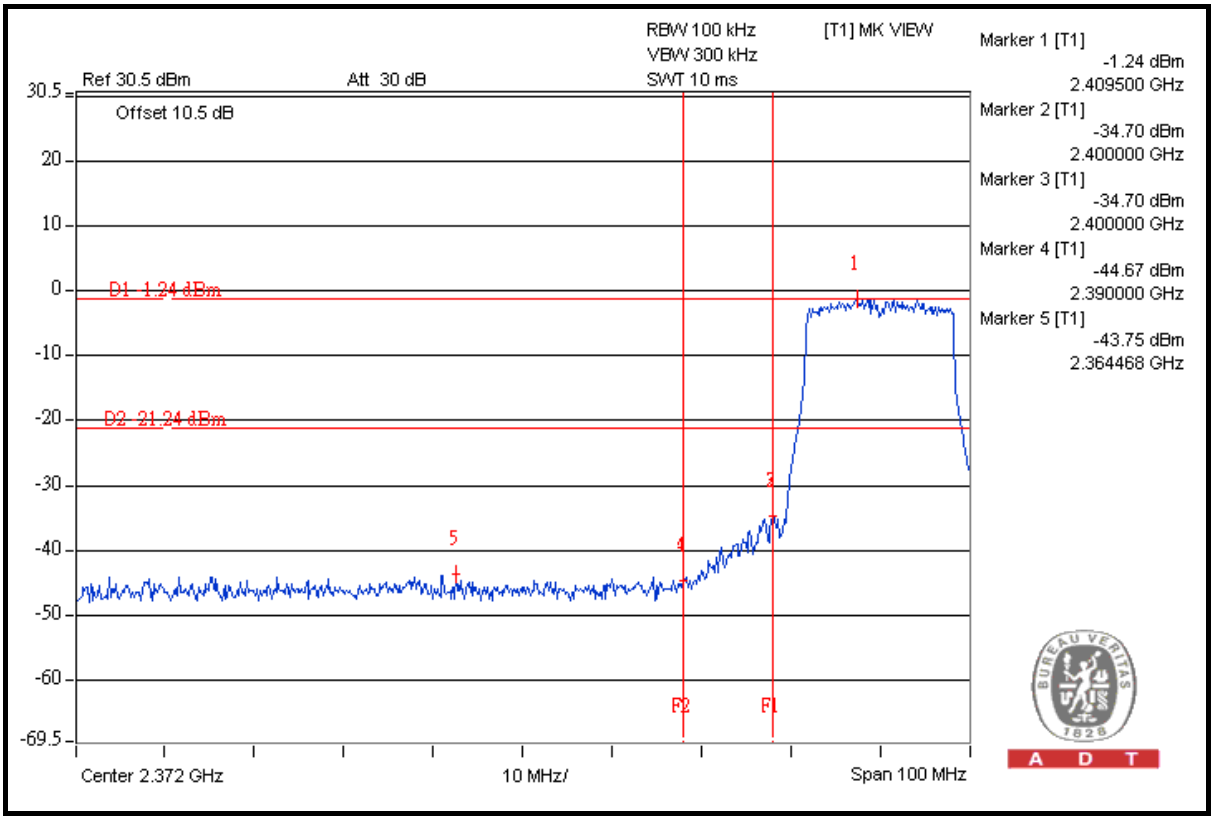
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	100.2	42.51	57.69	74.00
2412.00 (AV)	91.5	47.55	43.95	54.00

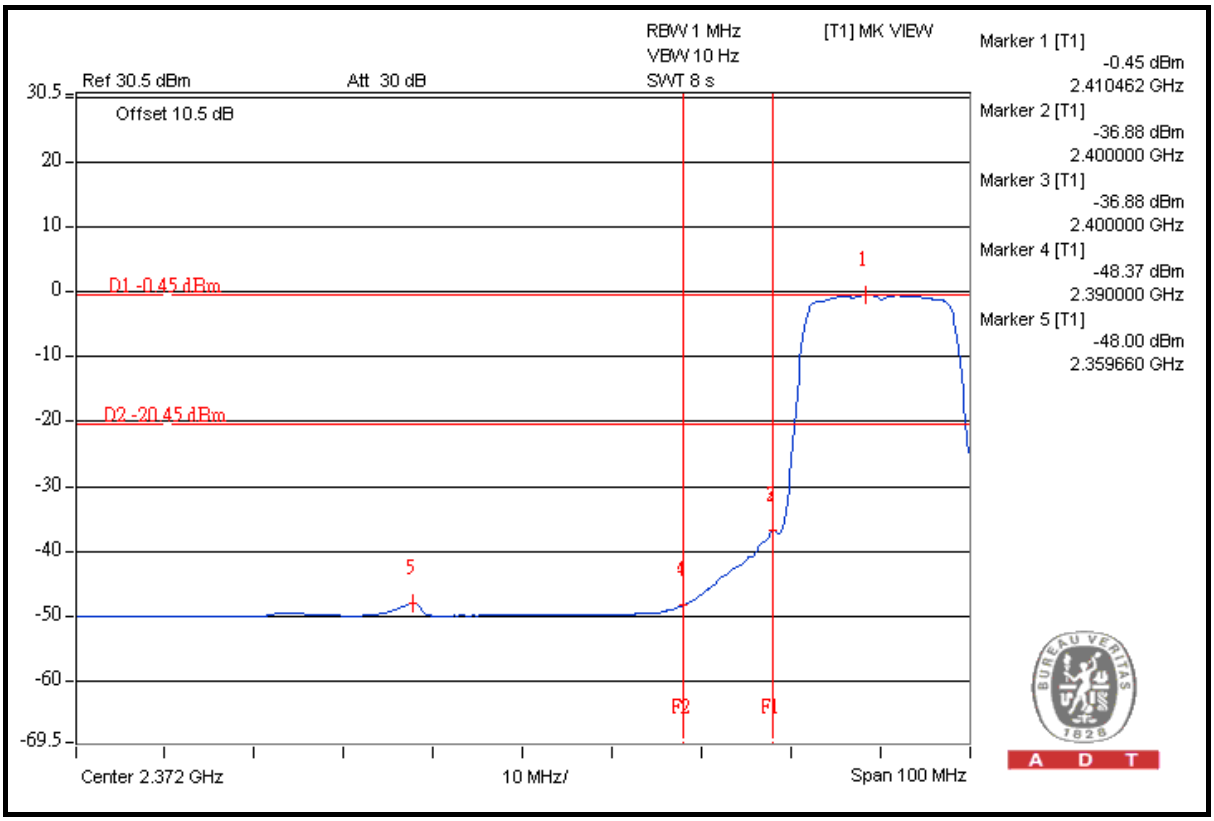
RESTRICT BAND (2483.5 ~ 2500 MHz)

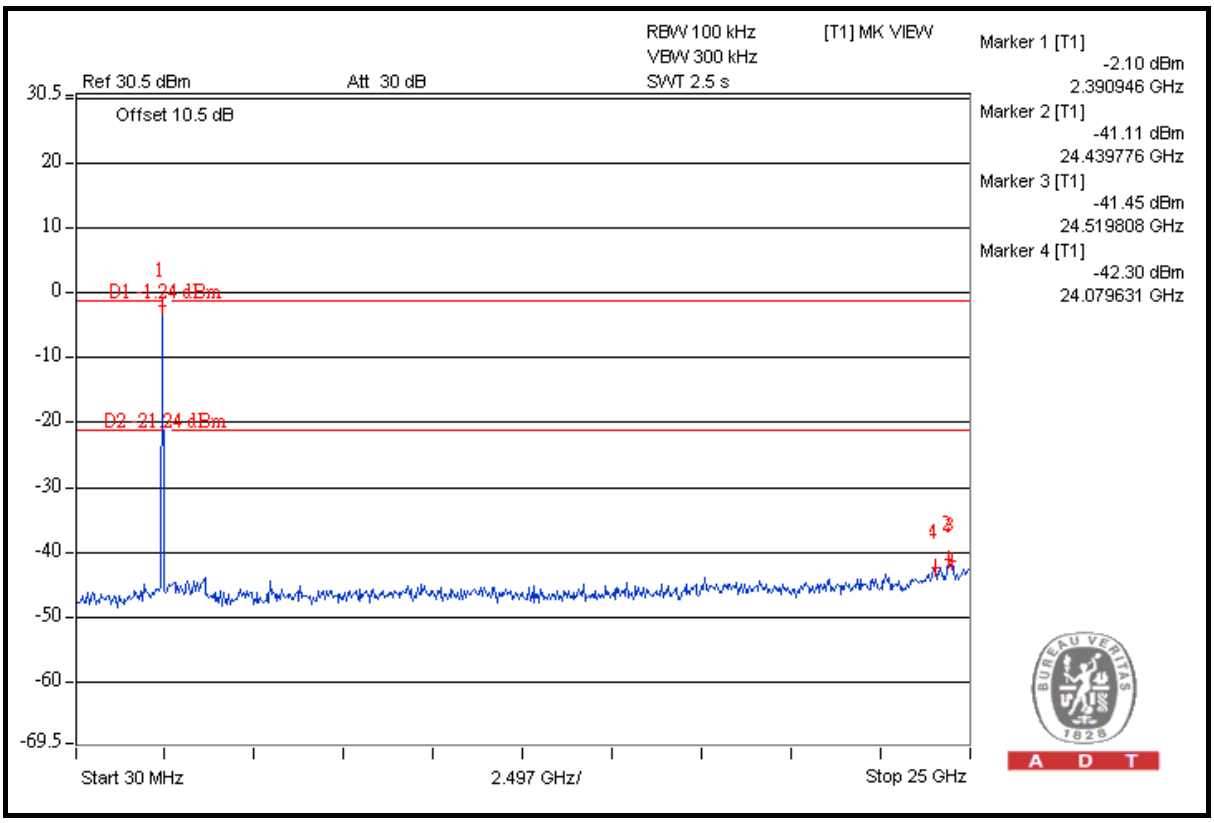
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	100.2	41.18	59.02	74.00
2462.00 (AV)	91.3	47.14	44.16	54.00

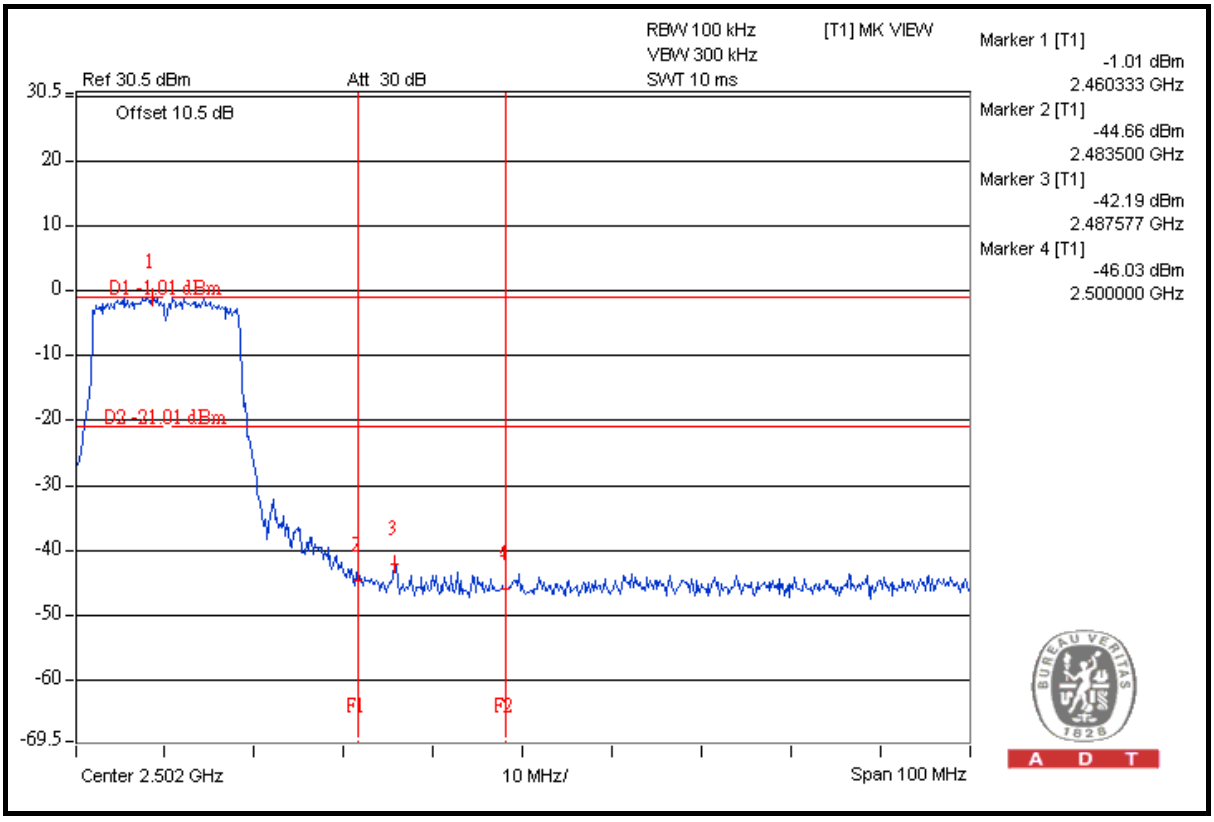
NOTE:

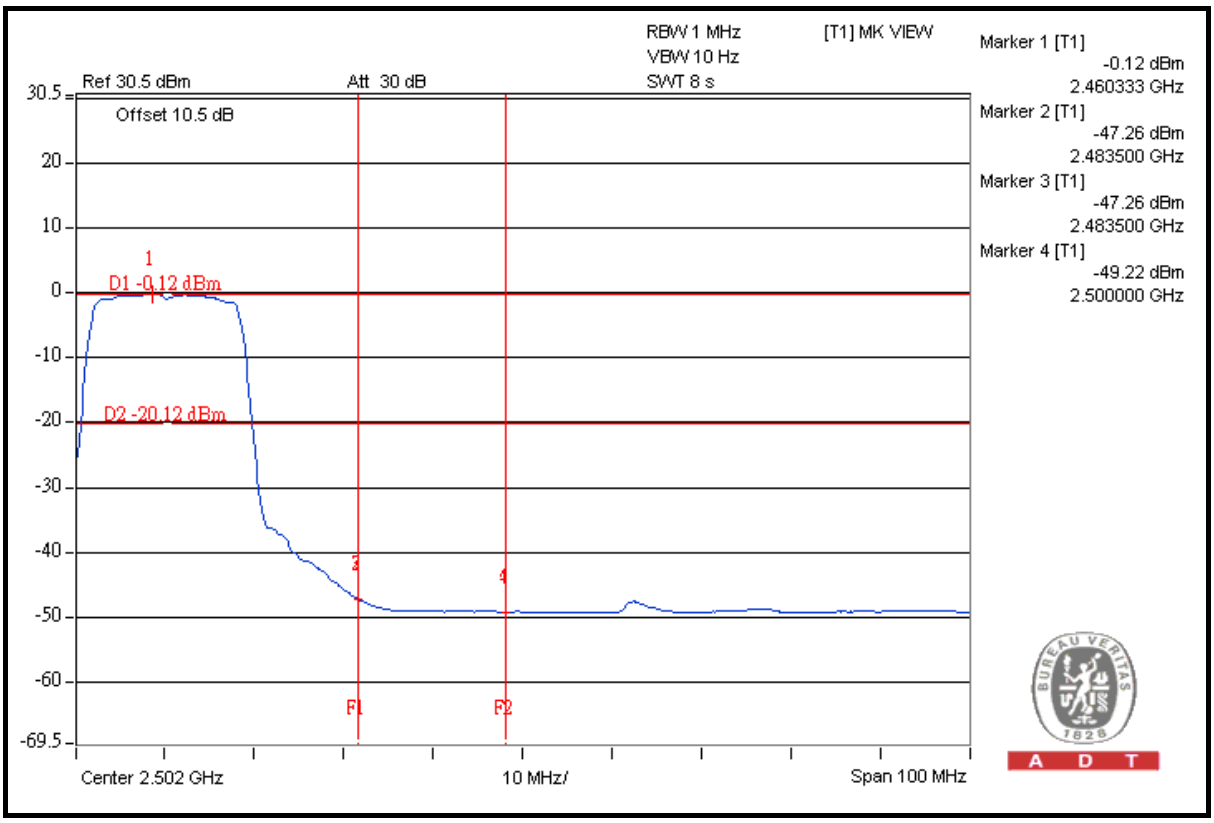
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

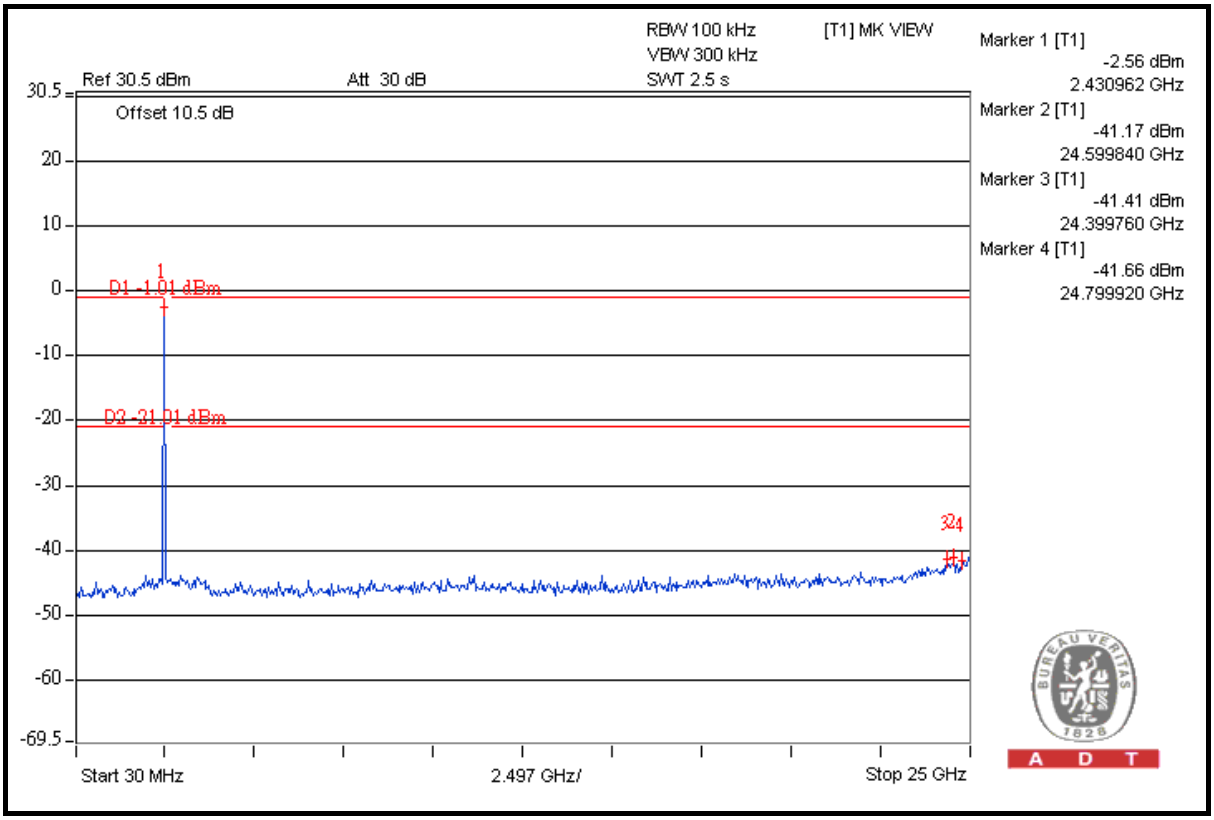

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 -1.24 dBm
D2 -21.24 dBm
Marker 1 [T1]
-1.24 dBm
2.409500 GHz
Marker 2 [T1]
-34.70 dBm
2.400000 GHz
Marker 3 [T1]
-34.70 dBm
2.400000 GHz
Marker 4 [T1]
-44.67 dBm
2.390000 GHz
Marker 5 [T1]
-43.75 dBm
2.364468 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 -0.45 dBm
D2 -20.45 dBm
Marker 1 [T1]
-0.45 dBm
2.410462 GHz
Marker 2 [T1]
-36.88 dBm
2.400000 GHz
Marker 3 [T1]
-36.88 dBm
2.400000 GHz
Marker 4 [T1]
-48.37 dBm
2.390000 GHz
Marker 5 [T1]
-48.00 dBm
2.359660 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 1.24 dBm
D2 -21.24 dBm
Marker 1 [T1]
-2.10 dBm
2.390946 GHz
Marker 2 [T1]
-41.11 dBm
24.439776 GHz
Marker 3 [T1]
-41.45 dBm
24.519808 GHz
Marker 4 [T1]
-42.30 dBm
24.079631 GHz
30.5
20
10
0
-10
-20
-30
-40
-50
-60
-69.5
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 -1.01 dBm
D2 -21.01 dBm
Marker 1 [T1]
-1.01 dBm
2.460333 GHz
Marker 2 [T1]
-44.66 dBm
2.483500 GHz
Marker 3 [T1]
-42.19 dBm
2.487577 GHz
Marker 4 [T1]
-46.03 dBm
2.500000 GHz
F1
F2
30.5
20
10
0
-10
-20
-30
-40
-50
-60
-69.5
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
30.5
20
10
0
-10
-20
-30
-40
-50
-60
-69.5
D1 -0.12 dBm
D2 -20.12 dBm
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz
Marker 1 [T1]
-0.12 dBm
2.460333 GHz
Marker 2 [T1]
-47.26 dBm
2.483500 GHz
Marker 3 [T1]
-47.26 dBm
2.483500 GHz
Marker 4 [T1]
-49.22 dBm
2.500000 GHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
30.5
20
10
0
-10
-20
-30
-40
-50
-60
-69.5
D1 -1.01 dBm
D2 -21.01 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz
Marker 1 [T1]
-2.56 dBm
2.430962 GHz
Marker 2 [T1]
-41.17 dBm
24.599840 GHz
Marker 3 [T1]
-41.41 dBm
24.399760 GHz
Marker 4 [T1]
-41.66 dBm
24.799920 GHz

802.11n (20MHz)

TEST MODE A

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	95.8	41.93	53.87	74.00
2412.00 (AV)	87.9	46.61	41.29	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	96.2	41.00	55.20	74.00
2462.00 (AV)	88.3	45.81	42.49	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

TEST MODE B

RESTRICT BAND (2310 ~ 2390 MHz)

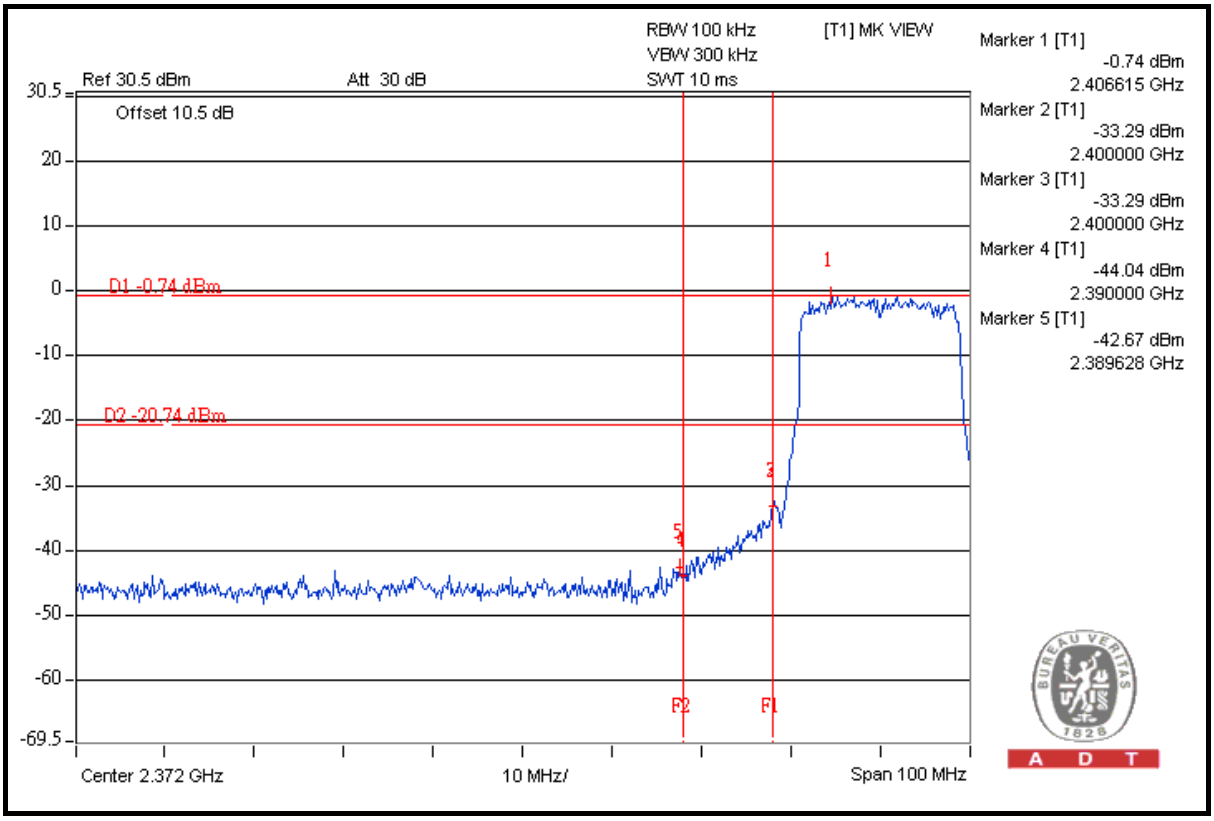
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	100.2	41.93	58.27	74.00
2412.00 (AV)	91.3	46.61	44.69	54.00

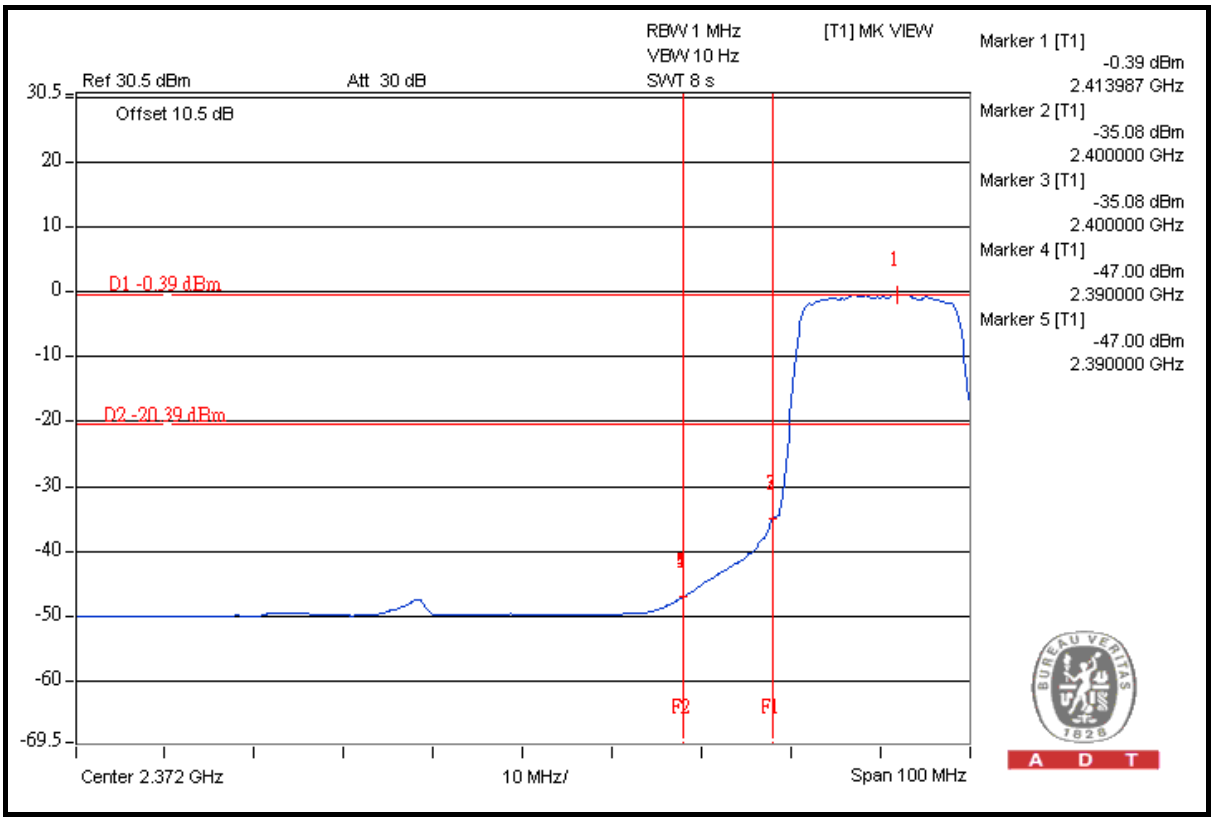
RESTRICT BAND (2483.5 ~ 2500 MHz)

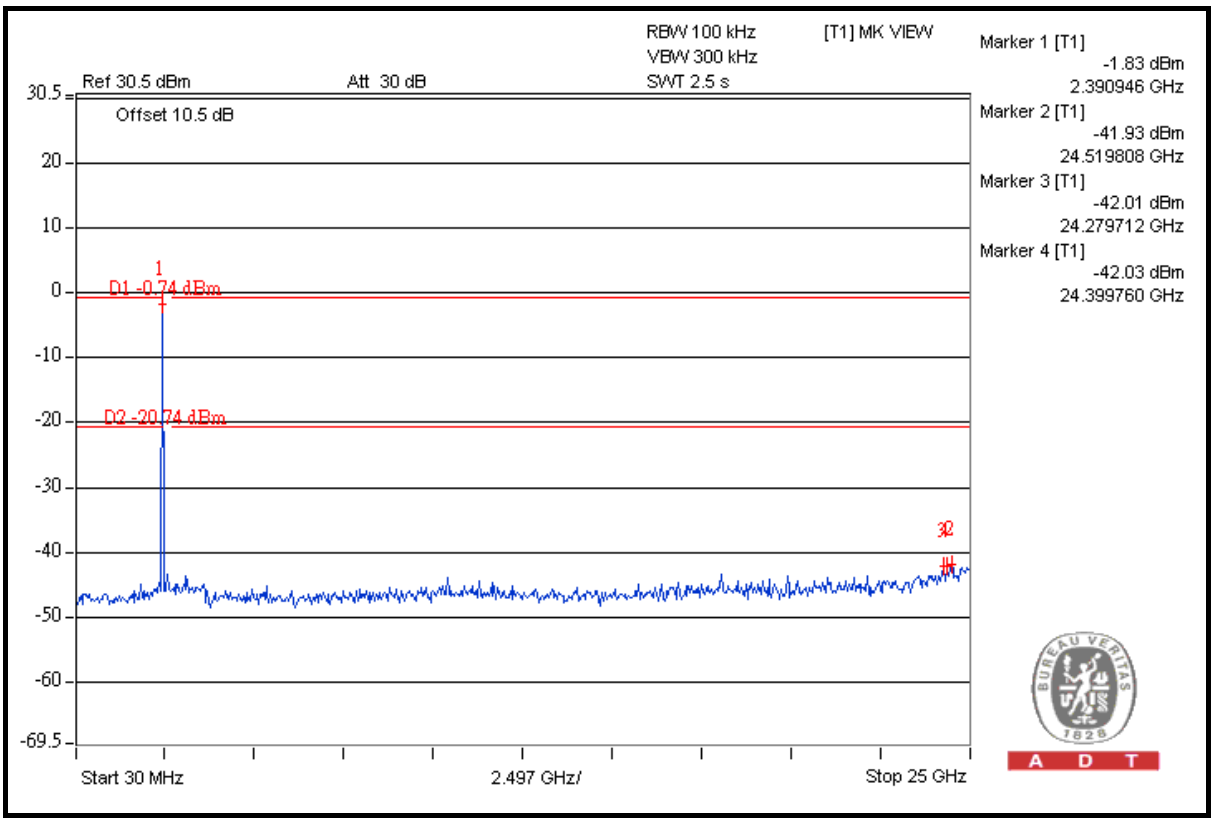
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	99.8	41.00	58.80	74.00
2462.00 (AV)	90.7	45.81	44.89	54.00

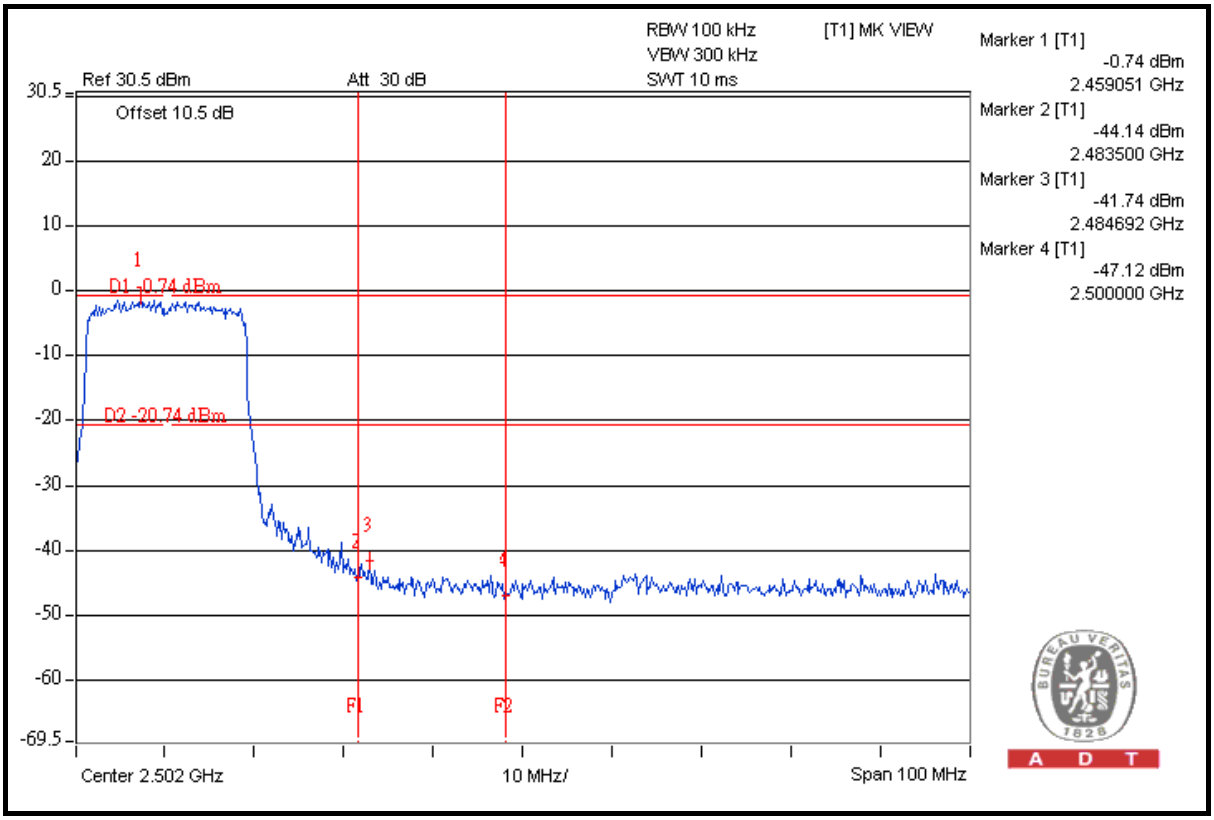
NOTE:

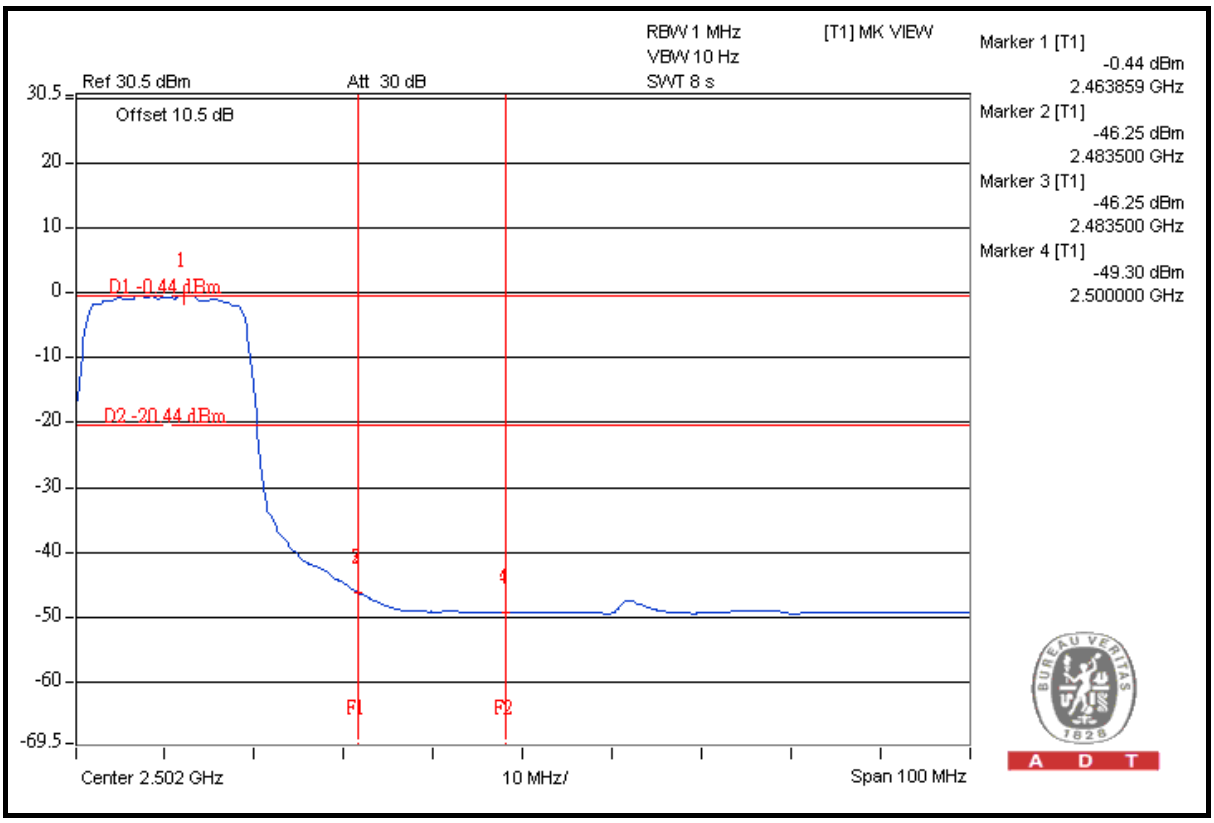
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

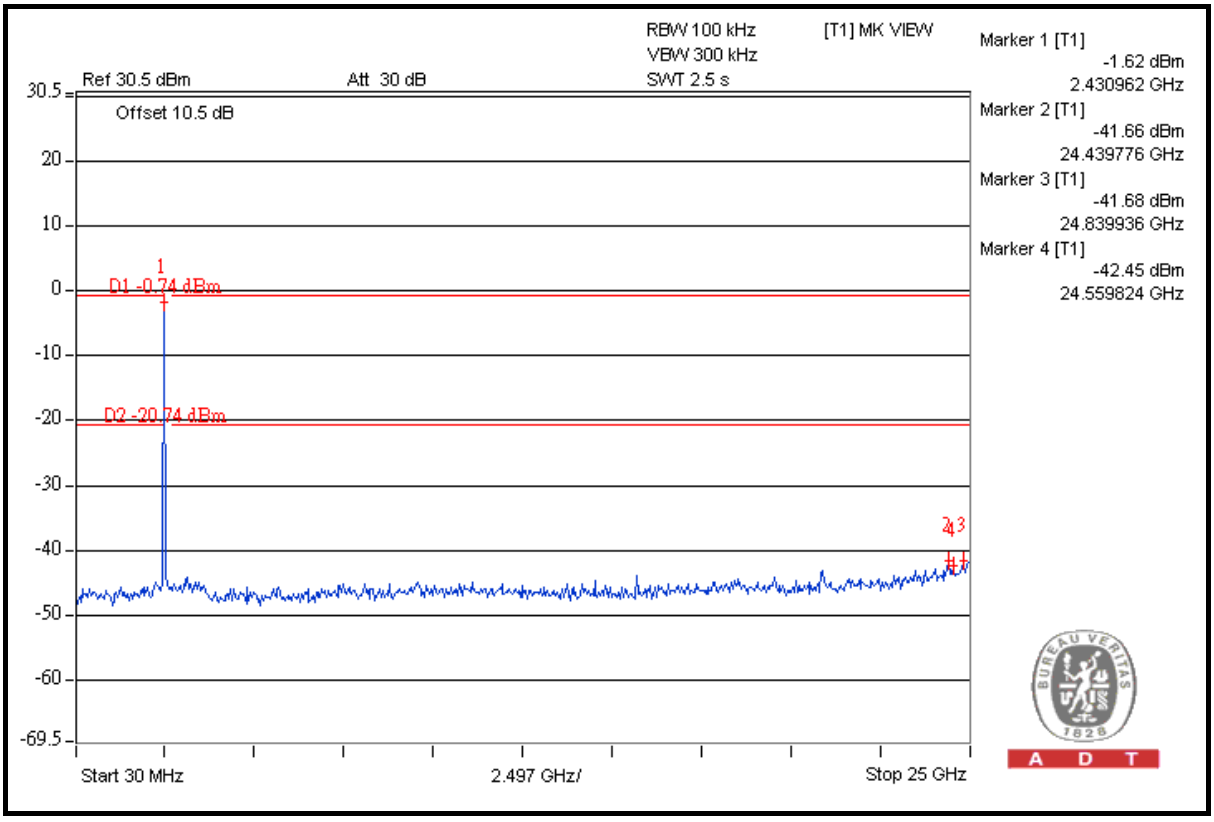

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 -0.74 dBm
D2 -20.74 dBm
Marker 1 [T1]
-0.74 dBm
2.406615 GHz
Marker 2 [T1]
-33.29 dBm
2.400000 GHz
Marker 3 [T1]
-33.29 dBm
2.400000 GHz
Marker 4 [T1]
-44.04 dBm
2.390000 GHz
Marker 5 [T1]
-42.67 dBm
2.389628 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 -0.39 dBm
D2 -20.39 dBm
Marker 1 [T1]
-0.39 dBm
2.413987 GHz
Marker 2 [T1]
-35.08 dBm
2.400000 GHz
Marker 3 [T1]
-35.08 dBm
2.400000 GHz
Marker 4 [T1]
-47.00 dBm
2.390000 GHz
Marker 5 [T1]
-47.00 dBm
2.390000 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 -0.74 dBm
D2 -20.74 dBm
Marker 1 [T1]
-1.83 dBm
2.390946 GHz
Marker 2 [T1]
-41.93 dBm
24.519808 GHz
Marker 3 [T1]
-42.01 dBm
24.279712 GHz
Marker 4 [T1]
-42.03 dBm
24.399760 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 -0.74 dBm
D2 -20.74 dBm
Marker 1 [T1]
-0.74 dBm
2.459051 GHz
Marker 2 [T1]
-44.14 dBm
2.483500 GHz
Marker 3 [T1]
-41.74 dBm
2.484692 GHz
Marker 4 [T1]
-47.12 dBm
2.500000 GHz
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
30.5
20
10
0
-10
-20
-30
-40
-50
-60
-69.5
D1 -0.44 dBm
D2 -20.44 dBm
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz
Marker 1 [T1]
-0.44 dBm
2.463859 GHz
Marker 2 [T1]
-46.25 dBm
2.483500 GHz
Marker 3 [T1]
-46.25 dBm
2.483500 GHz
Marker 4 [T1]
-49.30 dBm
2.500000 GHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
30.5
20
10
0
-10
-20
-30
-40
-50
-60
-69.5
D1 -0.74 dBm
D2 -20.74 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz
Marker 1 [T1]
-1.62 dBm
2.430962 GHz
Marker 2 [T1]
-41.66 dBm
24.439776 GHz
Marker 3 [T1]
-41.68 dBm
24.839936 GHz
Marker 4 [T1]
-42.45 dBm
24.559824 GHz

802.11n (40MHz)

TEST MODE A

RESTRICT BAND (2310 ~ 2390 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	94.4	36.61	57.79	74.00
2422.00 (AV)	85.7	39.24	46.46	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	95.0	35.91	59.09	74.00
2452.00 (AV)	86.2	39.74	46.46	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

TEST MODE B

RESTRICT BAND (2310 ~ 2390 MHz)

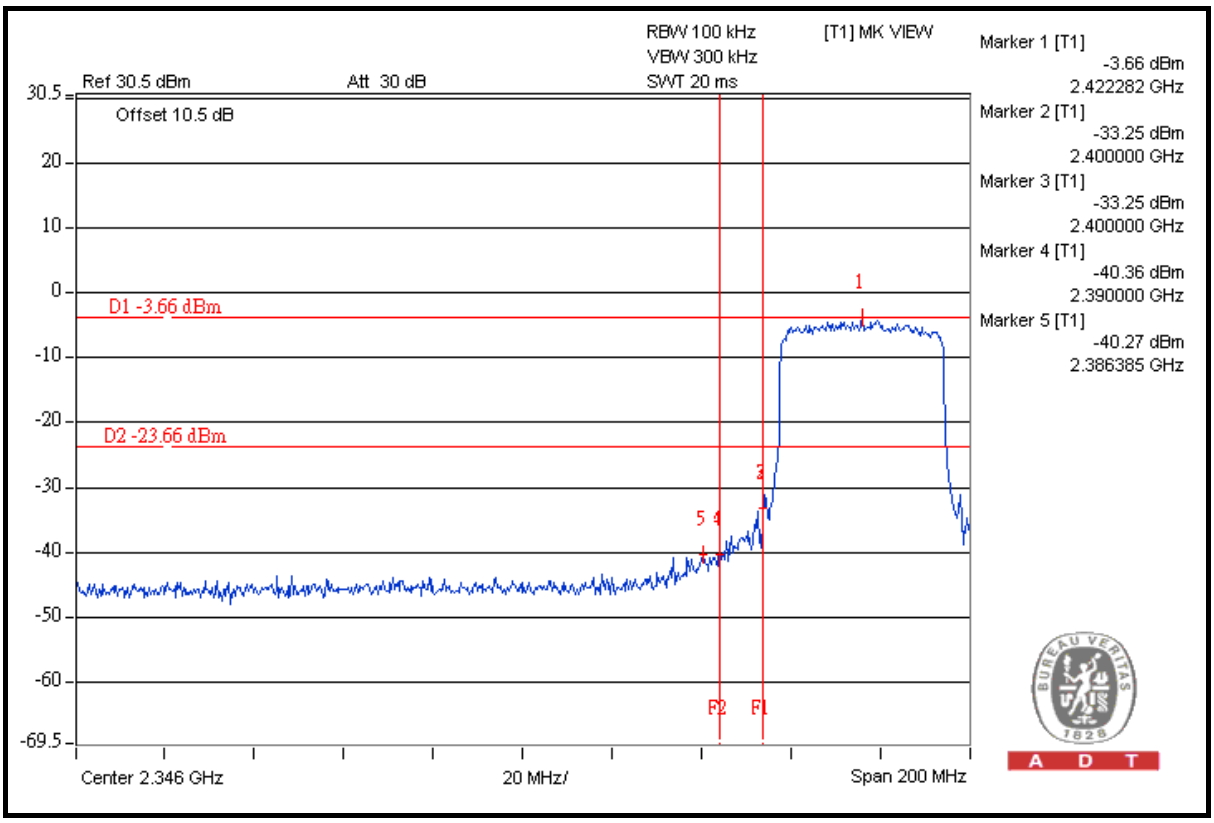
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	96.7	36.61	60.09	74.00
2422.00 (AV)	87.6	39.24	48.36	54.00

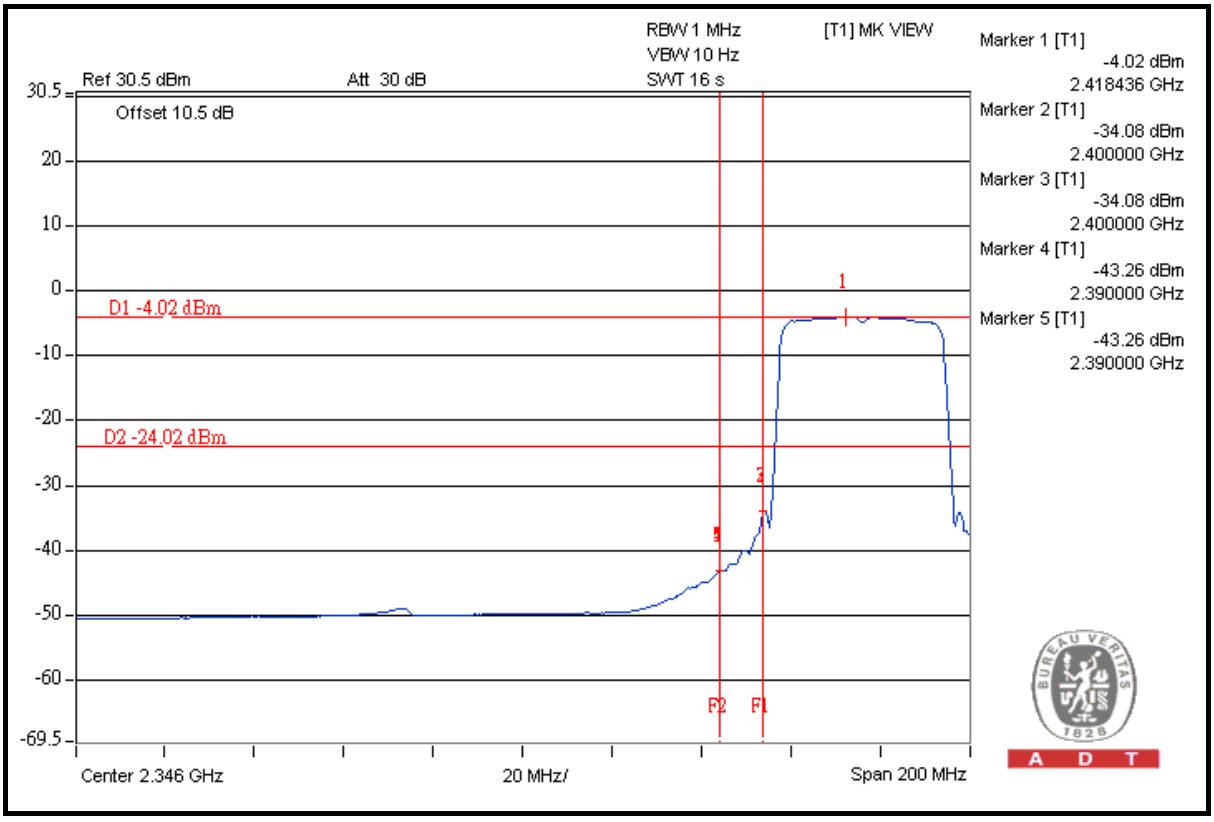
RESTRICT BAND (2483.5 ~ 2500 MHz)

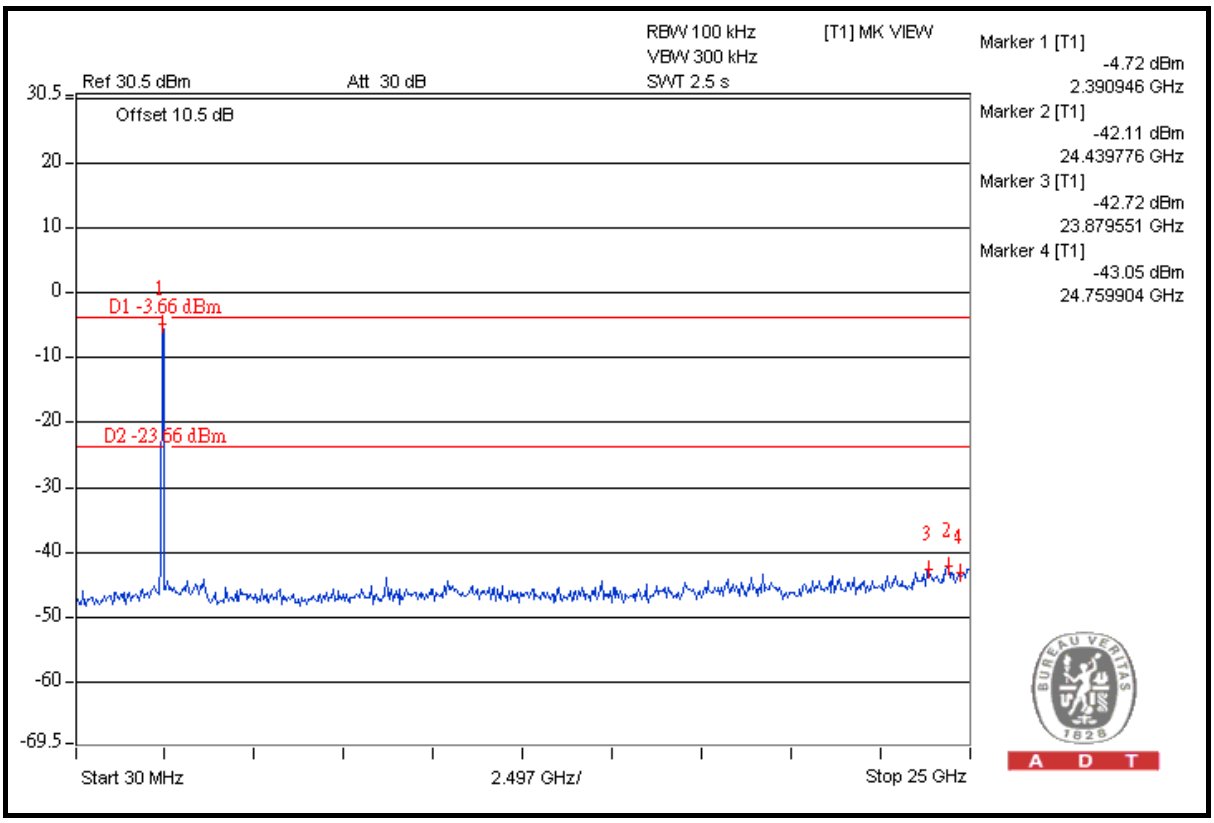
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	95.7	35.91	59.79	74.00
2452.00 (AV)	86.6	39.74	46.86	54.00

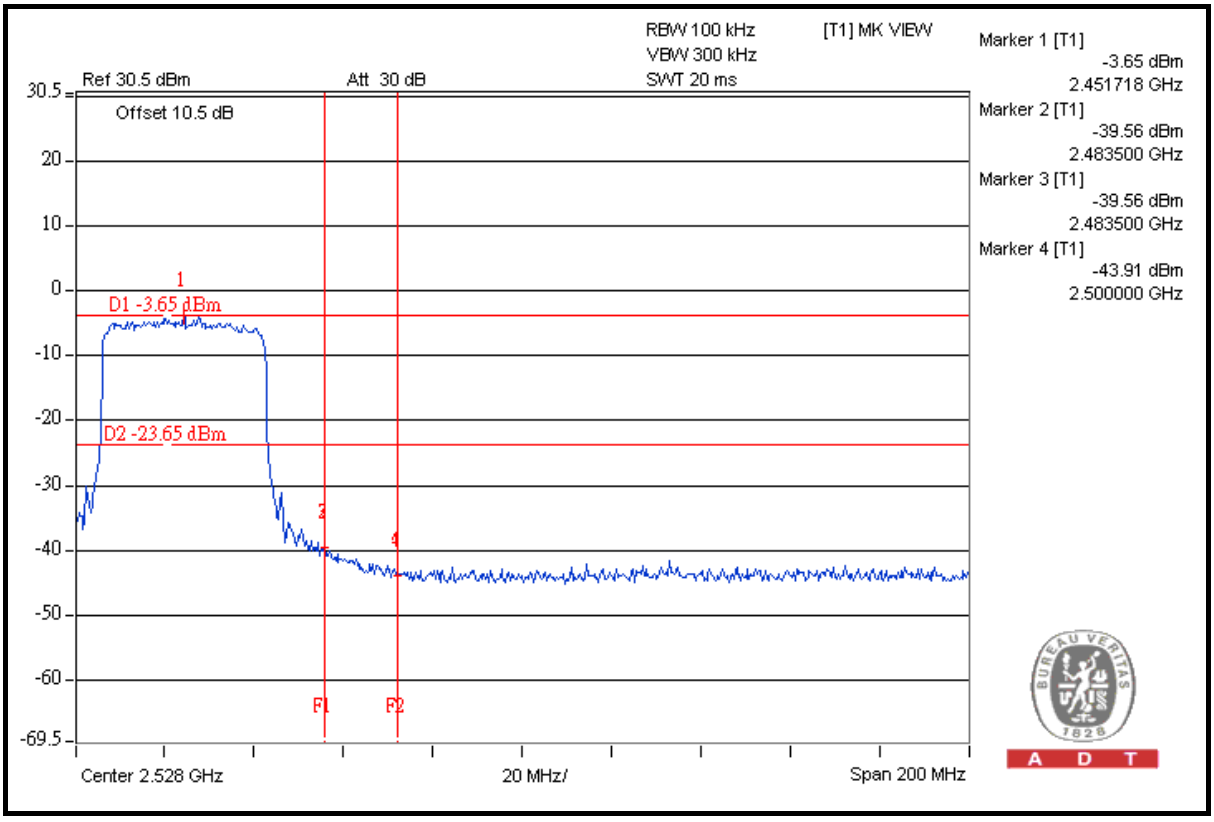
NOTE:

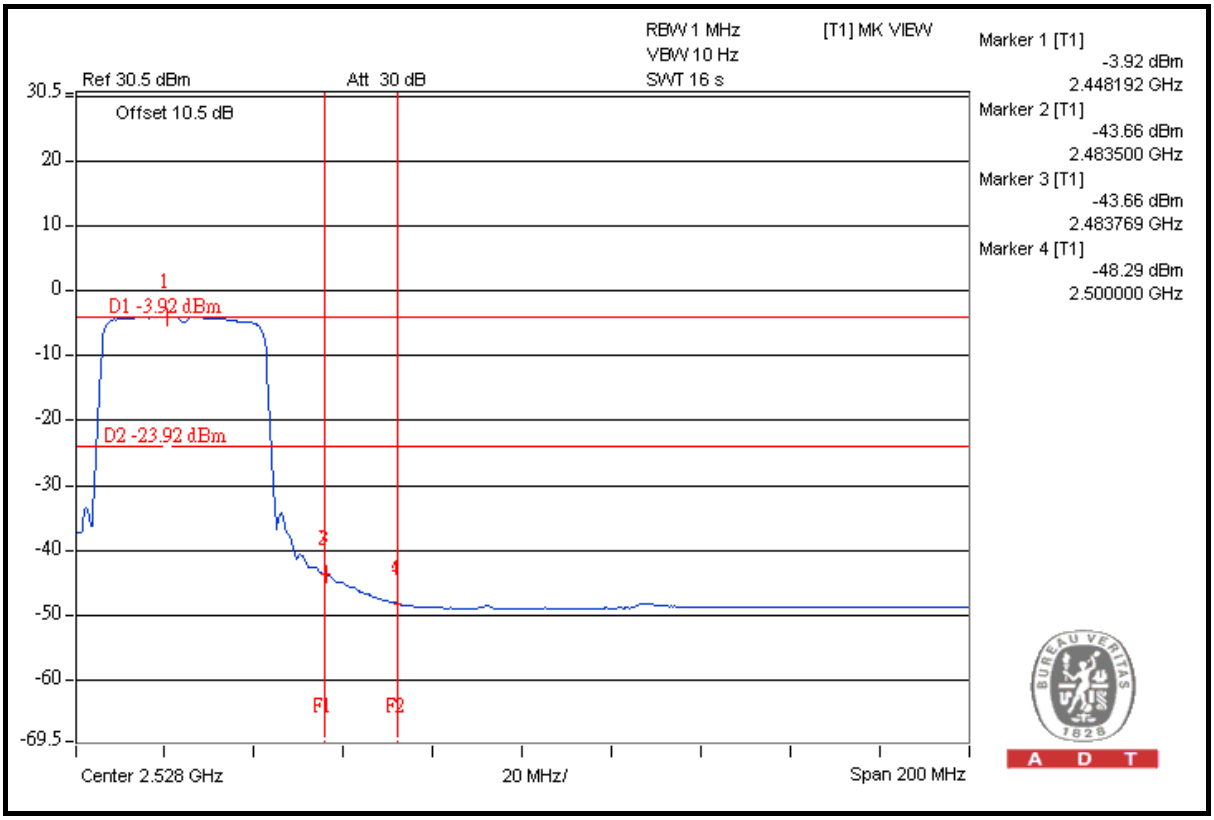
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

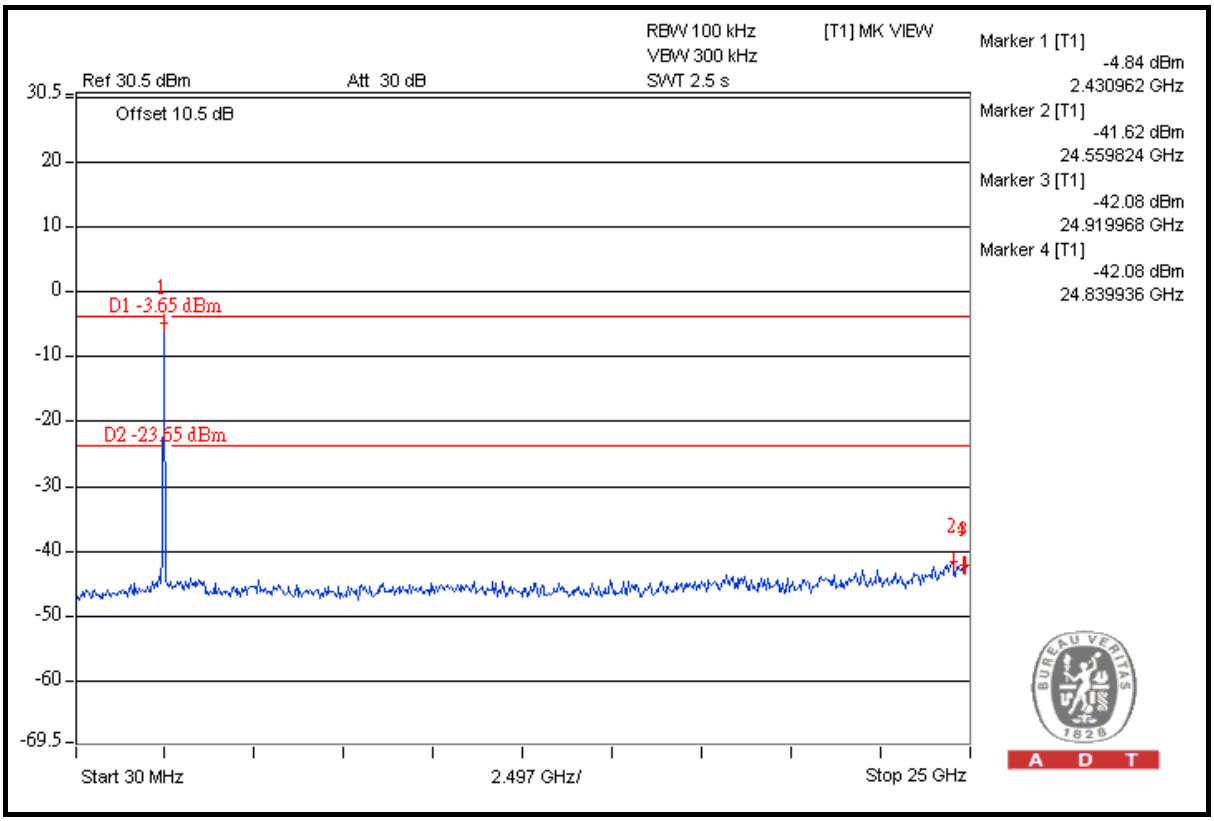

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
30.5
20
10
0
-10
-20
-30
-40
-50
-60
-69.5
D1 -3.66 dBm
D2 -23.66 dBm
Marker 1 [T1]
-3.66 dBm
2.422282 GHz
Marker 2 [T1]
-33.25 dBm
2.400000 GHz
Marker 3 [T1]
-33.25 dBm
2.400000 GHz
Marker 4 [T1]
-40.36 dBm
2.390000 GHz
Marker 5 [T1]
-40.27 dBm
2.386385 GHz
F2
F1
Center 2.346 GHz
20 MHz/
Span 200 MHz


RBW 1 MHz
VBW 10 Hz
SWT 16 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
30.5
20
10
0
-10
-20
-30
-40
-50
-60
-69.5
D1 -4.02 dBm
D2 -24.02 dBm
Marker 1 [T1]
-4.02 dBm
2.418436 GHz
Marker 2 [T1]
-34.08 dBm
2.400000 GHz
Marker 3 [T1]
-34.08 dBm
2.400000 GHz
Marker 4 [T1]
-43.26 dBm
2.390000 GHz
Marker 5 [T1]
-43.26 dBm
2.390000 GHz
F2
F1
Center 2.346 GHz
20 MHz/
Span 200 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
30.5
20
10
0
-10
-20
-30
-40
-50
-60
-69.5
D1 -3.66 dBm
D2 -23.66 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz
Marker 1 [T1]
-4.72 dBm
2.390946 GHz
Marker 2 [T1]
-42.11 dBm
24.439776 GHz
Marker 3 [T1]
-42.72 dBm
23.879551 GHz
Marker 4 [T1]
-43.05 dBm
24.759904 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
30.5
20
10
0
-10
-20
-30
-40
-50
-60
-69.5
D1 -3.65 dBm
D2 -23.65 dBm
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz
Marker 1 [T1]
-3.65 dBm
2.451718 GHz
Marker 2 [T1]
-39.56 dBm
2.483500 GHz
Marker 3 [T1]
-39.56 dBm
2.483500 GHz
Marker 4 [T1]
-43.91 dBm
2.500000 GHz


RBW 1 MHz
VBW 10 Hz
SWT 16 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 -3.92 dBm
D2 -23.92 dBm
Marker 1 [T1]
-3.92 dBm
2.448192 GHz
Marker 2 [T1]
-43.66 dBm
2.483500 GHz
Marker 3 [T1]
-43.66 dBm
2.483769 GHz
Marker 4 [T1]
-48.29 dBm
2.500000 GHz
Center 2.528 GHz
20 MHz/
Span 200 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 30.5 dBm
Att 30 dB
Offset 10.5 dB
D1 -3.65 dBm
D2 -23.65 dBm
Marker 1 [T1]
-4.84 dBm
2.430962 GHz
Marker 2 [T1]
-41.62 dBm
24.559824 GHz
Marker 3 [T1]
-42.08 dBm
24.919968 GHz
Marker 4 [T1]
-42.08 dBm
24.839936 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz

5. PHOTOGRAPHS OF THE TEST CONFIGURATION

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

6. INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

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.

7. APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

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

--- END ---