FCC TEST REPORT (15.247)

REPORT NO.:	RF110506D14
MODEL NO.:	AV-3352A
FCC ID:	XKIPPDW3011-3
RECEIVED:	May 10, 2011
TESTED:	May 11 ~ 25, 2011
ISSUED:	May 27, 2011

APPLICANT:	AVerMedia INFORMATION, Inc
ADDRESS:	5F., No.135, Jian 1st Rd., Zhonghe Dist., New Taipei City 23585, Taiwan (R.O.C.)

ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
LAB LOCATION :	No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou Hsiang, Taipei Hsien 244, Taiwan, R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF110506D14	Original release	May 27, 2011

1. CERTIFICATION

PRODUCT:	300N Wireless LAN INIC Module (IEEE 802.11b/g/n, 2T2R)
BRAND NAME:	AVerMedia
MODEL NO.:	AV-3352A
APPLICANT:	AVerMedia INFORMATION, Inc
TEST ITEM:	ENGINEERING SAMPLE
TESTED:	May 11 ~ 25, 2011
STANDARDS:	**FCC Part 15, Subpart C (Section 15.247)** ANSI C63.4-2003 ANSI C63.10-2009

The above equipment 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 : Celia Chen , **DATE:** May 27, 2011
(Celia Chen / Senior Specialist)

APPROVED BY : Ken Liu , **DATE:** May 27, 2011
(Ken Liu / Manager)

2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.247)			
STANDARD SECTION	**TEST TYPE AND LIMIT**	**RESULT**	**REMARK**
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -12.97dB at 0.166MHz
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 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 -0.6dB at 4824.00MHz
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.
15.203	Antenna Requirement	PASS	Antenna connector is IPEX.

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:

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	150kHz~30MHz	2.41 dB
Radiated emissions	30MHz ~ 1GHz	3.87 dB
	Above 1GHz	2.89 dB

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	300N Wireless LAN INIC Module (IEEE 802.11b/g/n, 2T2R)
MODEL NO.	AV-3352A
FCC ID	XKIPPDW3011-3
NOMINAL VOLTAGE	5Vdc from host equipment
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 300.0Mbps
OPERATING FREQUENCY	2412.0 ~ 2462.0MHz
NUMBER OF CHANNEL	11 for 802.11b, 802.11g, 802.11n (20MHz) 7 for 802.11n (40MHz)
OUTPUT POWER	325.0mW
ANTENNA TYPE	Refer to note below
ANTENNA CONNECTER	Refer to note below
DATA CABLE	NA
I/O PORTS	Refer to User's manual
ACCESSORY DEVICES	NA

NOTE:

1. The EUT is a 300N Wireless LAN INIC Module (IEEE 802.11b/g/n, 2T2R).

2. The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers.

MODULATION MODE	TX FUNCTION
802.11b	1TX
802.11g	1TX
802.11n (20MHz)	2TX
802.11n (40MHz)	2TX

3. The following antennas were applied to the EUT:

	Antenna	Type	Connector	Gain (dBi)
External	A	Dipole	IPEX	5
	B	Dipole	IPEX	3
Internal	C	PCB	IPEX	4.5

During the test, the maximum gain of external **antenna A** and internal **antenna C** (**NOTE***) were selected as representative antennas and therefore only their test data were recorded in this report.

NOTE*: The antenna C was pre-tested XYZ Axis and the worst emission level was found on X Axis, therefore only its test data was recorded in this report.

4. The above EUT information is 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

11 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		

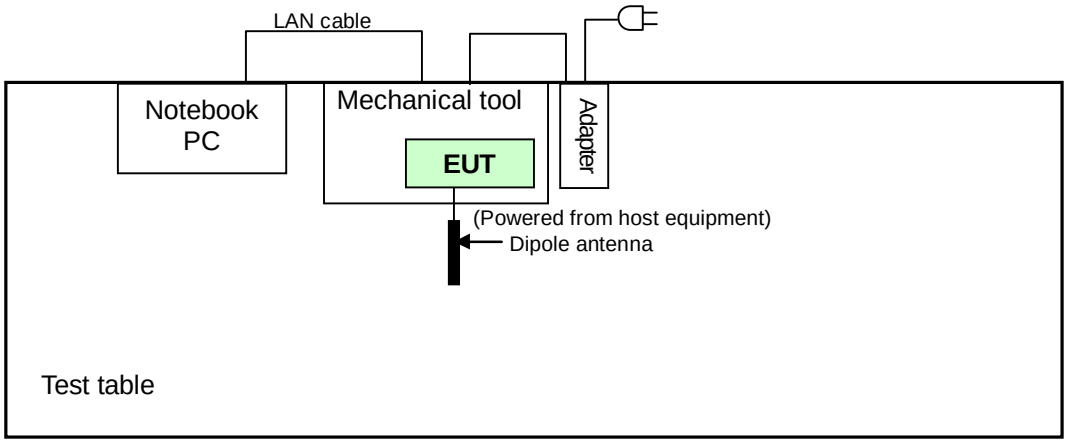
7 channels are provided for 802.11n (40MHz):

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

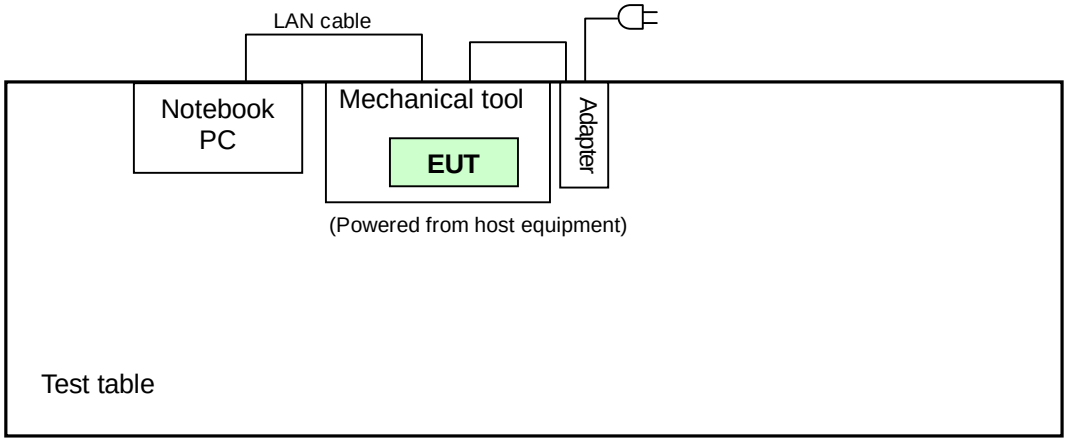
3.2.1 CONFIGURATION OF SYSTEM UNDER TEST

For AC Power Conducted Emission Test only

MODE A:

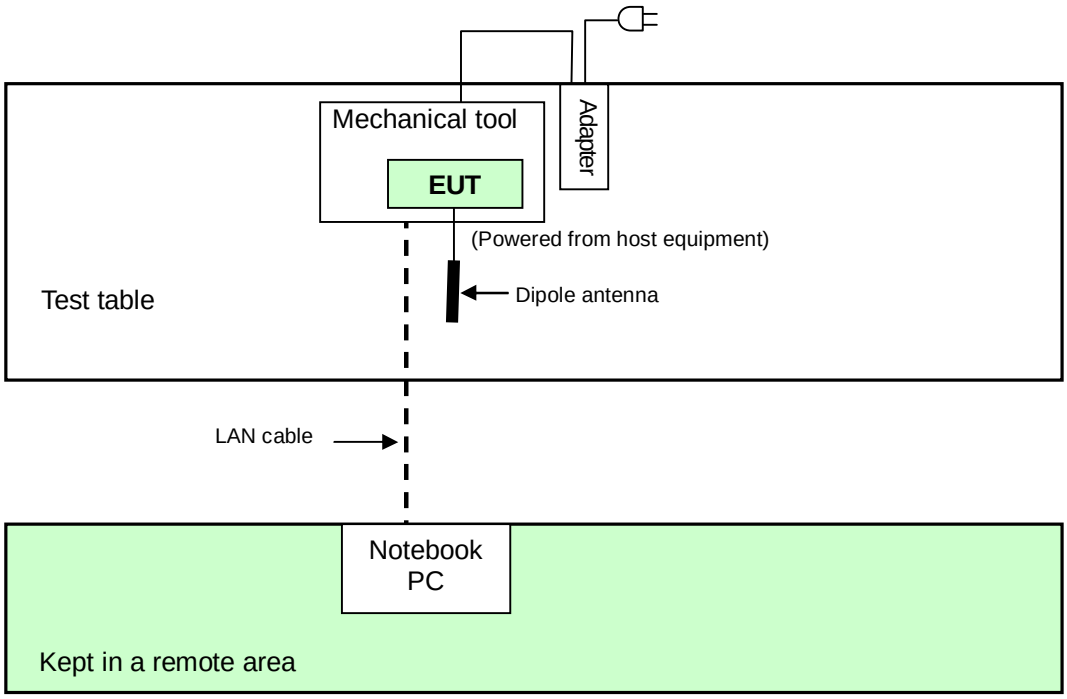


MODE B:

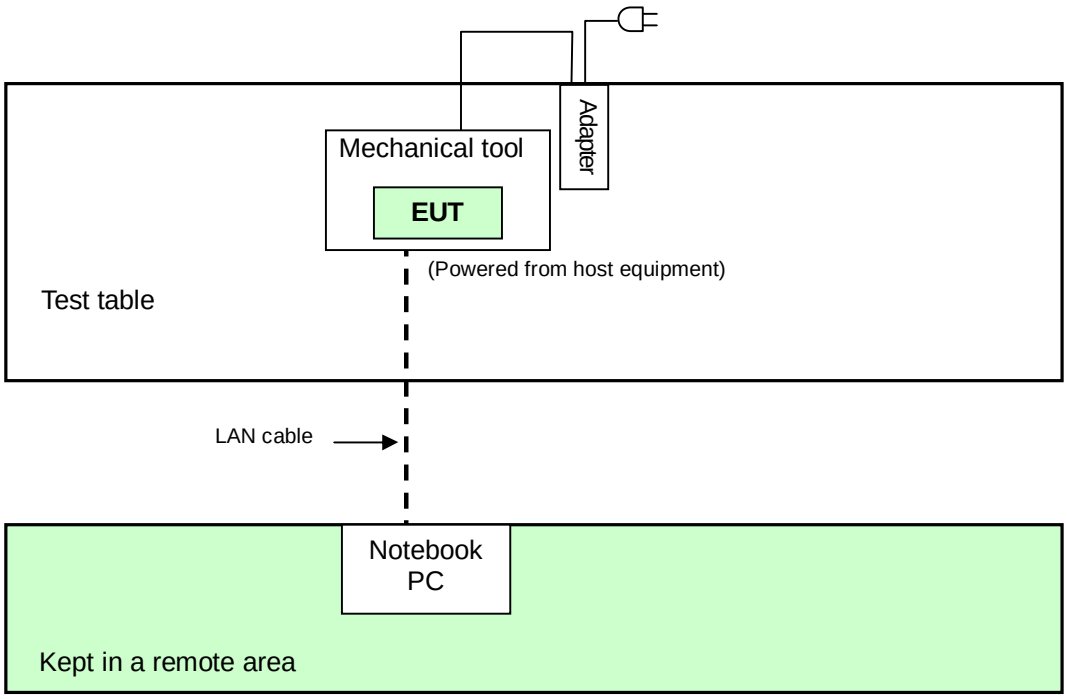


Except for AC Power Conducted Emission Test

MODE A:



MODE B:



3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	APCM	
A	√	√	√	√	EUT with External antenna A
B	√	√	√	-	EUT with Internal antenna C

Where **RE≥1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz
PLC: Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

RADIATED EMISSION TEST (ABOVE 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ Axis 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)	AXIS
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	13.0	-
A	802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	27.0	-
B	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0	X
B	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0	X
B	802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	13.0	X
B	802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	27.0	X

RADIATED EMISSION TEST (BELOW 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ Axis 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)	AXIS
A	802.11g	1 to 11	1	OFDM	BPSK	6.0	-
B	802.11g	1 to 11	1	OFDM	BPSK	6.0	X

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	1	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	13.0
A & B	802.11n (40MHz)	1 to 7	1, 7	OFDM	BPSK	27.0

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	13.0
A	802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	27.0

TEST CONDITION:

APPLICABLE TO	EUT CONFIGURE MODE	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE[3] 1G	A & B	25deg. C, 68% RH, 1004hPa	120Vac, 60Hz	Chad Lee
RE <1G	A & B	25deg. C, 68% RH, 1003hPa	120Vac, 60Hz	Chad Lee
PLC	A & B	23deg. C, 70% RH, 1009hPa	120Vac, 60Hz	Chad Lee
APCM	A	24deg. C, 78% RH, 1009hPa	120Vac, 60Hz	Chad Lee

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
ANSI C63.10-2009

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	20375526736	FCC DoC Approved
2	Mechanical tool	N/A	N/A	N/A	N/A
3	Adapter	APD	DA-36J12	N/A	FCC DoC Approved

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	1.0m UTP LAN cable - **For AC Power Conducted Emission Test only** 10m UTP LAN cable - **Except for AC Power Conducted Emission Test**
2	N/A
3	AC I/P: 100-240V, 50-60Hz, 0.9A DC O/P: 12V, 3.0A

NOTE: 1. All power cords of the above support units are non shielded (1.8m).

2. The support units 2 & 3 were provided by client.

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.	CALIBRATED DATE	CALIBRATED UNTIL
HP Preamplifier	8447D	2432A03504	Mar. 04, 2011	Mar. 03, 2012
HP Preamplifier	8449B	3008A01924	Mar. 04, 2011	Mar. 03, 2012
HP Preamplifier	8449B	3008A01292	Mar. 04, 2011	Mar. 03, 2012
ROHDE & SCHWARZ TEST RECEIVER	ESU26	100005	Jun. 10, 2010	Jun. 09, 2011
Schwarzbeck Antenna	VULB 9168	137	Apr. 12, 2011	Apr. 11, 2012
Schwarzbeck Antenna	VHBA 9123	480	May 06, 2011	May 05, 2012
ADT. Turn Table	TT100	0306	NA	NA
ADT. Tower	AT100	0306	NA	NA
Software	ADT_Radiated_V 7.6.15.9.2	NA	NA	NA
SUHNER RF cable	SF102	CABLE-CH6	Aug. 20, 2010	Aug. 19, 2011
EMCO Horn Antenna	3115	6714	Oct. 26, 2010	Oct. 25, 2011
EMCO Horn Antenna	3115	9312-4192	Apr. 22, 2011	Apr. 21, 2012
Highpass filter Wainwright Instruments	WHK 3.1/18G-10SS	SN 8	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 horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
3. The test was performed in Chamber No. 6.
4. The Industry Canada Reference No. IC 7450E-6.
5. The FCC Site Registration No. is 447212.

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.

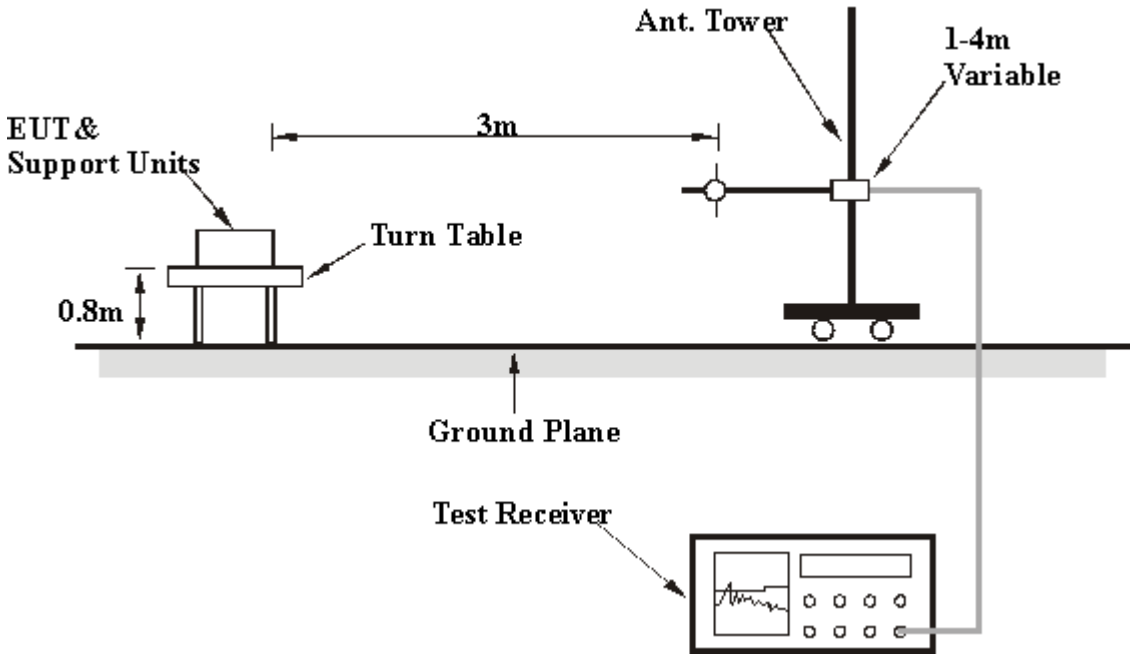
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 100kHz and video bandwidth is 300kHz 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. Turn on the power of all equipment.
b. Notebook PC ran a test program (provided by manufacture) to enable EUT under transmitting condition at specific channel continuously.

4.1.7 TEST RESULTS

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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	51.2 PK	74.0	-22.8	1.00 H	279	18.73	32.47
2	2390.00	41.6 AV	54.0	-12.4	1.00 H	279	9.10	32.47
3	*2412.00	96.5 PK			1.00 H	279	63.99	32.55
4	*2412.00	93.0 AV			1.00 H	279	60.47	32.55
5	#3216.00	40.9 PK	76.5	-35.7	1.00 H	63	5.19	35.69
6	#3216.00	35.7 AV	73.0	-37.3	1.00 H	63	0.05	35.69
7	4824.00	51.2 PK	74.0	-22.8	1.14 H	237	11.24	39.92
8	4824.00	45.9 AV	54.0	-8.1	1.14 H	237	5.99	39.92
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	56.5 PK	74.0	-17.5	1.00 V	248	24.07	32.47
2	2390.00	47.0 AV	54.0	-7.0	1.00 V	248	14.56	32.47
3	*2412.00	103.2 PK			1.00 V	248	70.66	32.55
4	*2412.00	99.6 AV			1.00 V	248	67.08	32.55
5	#3216.00	46.5 PK	83.2	-36.7	1.00 V	274	10.79	35.69
6	#3216.00	43.1 AV	79.6	-36.6	1.00 V	274	7.37	35.69
7	4824.00	56.3 PK	74.0	-17.7	1.14 V	151	16.38	39.92
8	**4824.00**	**53.4 AV**	**54.0**	**-0.6**	**1.14 V**	**151**	**13.47**	**39.92**

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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	97.9 PK			1.00 H	278	65.28	32.64
2	*2437.00	93.9 AV			1.00 H	278	61.21	32.64
3	#3249.00	43.7 PK	77.9	-34.2	1.00 H	62	7.98	35.76
4	#3249.00	36.1 AV	73.9	-37.7	1.00 H	62	0.35	35.76
5	4874.00	52.2 PK	74.0	-21.8	1.00 H	235	12.12	40.08
6	4874.00	47.0 AV	54.0	-7.0	1.00 H	235	6.94	40.08
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	103.3 PK			1.00 V	250	70.66	32.64
2	*2437.00	99.4 AV			1.00 V	250	66.73	32.64
3	#3249.00	46.6 PK	83.3	-36.7	1.00 V	274	10.88	35.76
4	#3249.00	42.9 AV	79.4	-36.4	1.00 V	274	7.17	35.76
5	4874.00	56.0 PK	74.0	-18.0	1.00 V	318	15.95	40.08
6	4874.00	52.9 AV	54.0	-1.1	1.00 V	318	12.78	40.08

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. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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	96.0 PK			1.00 H	279	63.28	32.73
2	*2462.00	92.6 AV			1.00 H	279	59.88	32.73
3	2483.50	51.7 PK	74.0	-22.4	1.00 H	279	18.84	32.81
4	2483.50	41.8 AV	54.0	-12.2	1.00 H	279	8.96	32.81
5	#3282.00	42.9 PK	76.0	-33.1	1.00 H	163	7.05	35.83
6	#3282.00	34.1 AV	72.6	-38.6	1.00 H	163	-1.77	35.83
7	4924.00	50.6 PK	74.0	-23.5	1.00 H	202	10.31	40.24
8	4924.00	44.2 AV	54.0	-9.8	1.00 H	202	3.98	40.24
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	100.2 PK			1.00 V	248	67.47	32.73
2	*2462.00	96.4 AV			1.00 V	248	63.67	32.73
3	2483.50	54.5 PK	74.0	-19.5	1.00 V	248	21.70	32.81
4	2483.50	41.8 AV	54.0	-12.2	1.00 V	248	8.96	32.81
5	#3282.00	44.1 PK	80.2	-36.1	1.00 V	10	8.30	35.83
6	#3282.00	40.4 AV	76.4	-36.0	1.00 V	10	4.58	35.83
7	4924.00	56.2 PK	74.0	-17.8	1.00 V	203	16.00	40.24
8	4924.00	53.0 AV	54.0	-1.0	1.00 V	203	12.80	40.24

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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	55.2 PK	74.0	-18.8	1.00 H	340	22.47	32.74
2	2390.00	42.9 AV	54.0	-11.1	1.00 H	340	10.18	32.74
3	*2412.00	100.7 PK			1.00 H	340	67.84	32.81
4	*2412.00	96.8 AV			1.00 H	340	63.99	32.81
5	#3216.00	44.9 PK	80.7	-35.8	1.00 H	21	8.48	36.41
6	#3216.00	36.6 AV	76.8	-40.2	1.00 H	21	0.19	36.41
7	4824.00	52.1 PK	74.0	-21.9	1.00 H	31	11.87	40.25
8	4824.00	41.6 AV	54.0	-12.4	1.00 H	31	1.39	40.25
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	53.6 PK	74.0	-20.4	1.04 V	235	20.82	32.74
2	2390.00	41.5 AV	54.0	-12.5	1.04 V	235	8.76	32.74
3	*2412.00	93.8 PK			1.04 V	235	60.96	32.81
4	*2412.00	90.0 AV			1.04 V	235	57.21	32.81
5	#3216.00	48.0 PK	73.8	-25.8	1.00 V	142	11.57	36.41
6	#3216.00	40.8 AV	70.0	-29.2	1.00 V	142	4.39	36.41
7	4824.00	57.7 PK	74.0	-16.3	1.03 V	160	17.47	40.25
8	4824.00	53.2 AV	54.0	-0.8	1.03 V	160	12.96	40.25

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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			1.00 H	339	68.44	32.88
2	*2437.00	99.7 AV			1.00 H	339	66.78	32.88
3	#3249.00	45.9 PK	81.3	-35.4	1.00 H	352	9.37	36.51
4	#3249.00	31.5 AV	79.7	-48.2	1.00 H	352	-5.06	36.51
5	4874.00	52.2 PK	74.0	-21.8	1.00 H	139	11.76	40.43
6	4874.00	45.8 AV	54.0	-8.2	1.00 H	139	5.37	40.43
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	94.2 PK			1.00 V	87	61.34	32.88
2	*2437.00	89.3 AV			1.00 V	87	56.44	32.88
3	#3249.00	45.3 PK	74.2	-29.0	1.00 V	260	8.76	36.51
4	#3249.00	40.4 AV	69.3	-29.0	1.00 V	260	3.85	36.51
5	4874.00	58.7 PK	74.0	-15.3	1.00 V	174	18.31	40.43
6	4874.00	53.4 AV	54.0	-0.7	1.00 V	174	12.92	40.43

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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	100.4 PK			1.00 H	341	67.39	32.96
2	*2462.00	96.3 AV			1.00 H	341	63.33	32.96
3	2483.50	55.3 PK	74.0	-18.7	1.00 H	341	22.27	33.02
4	2483.50	43.3 AV	54.0	-10.7	1.00 H	341	10.26	33.02
5	#3282.00	44.2 PK	80.4	-36.1	1.00 H	16	7.64	36.60
6	#3282.00	31.8 AV	76.3	-44.5	1.00 H	16	-4.80	36.60
7	4924.00	52.0 PK	74.0	-22.0	1.00 H	129	11.42	40.61
8	4924.00	41.5 AV	54.0	-12.5	1.00 H	129	0.92	40.61
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	93.6 PK			1.00 V	237	60.62	32.96
2	*2462.00	90.0 AV			1.00 V	237	57.01	32.96
3	2483.50	54.3 PK	74.0	-19.7	1.00 V	237	21.27	33.02
4	2483.50	42.0 AV	54.0	-12.0	1.00 V	237	8.99	33.02
5	#3282.00	46.4 PK	73.6	-27.2	1.00 V	92	9.77	36.60
6	#3282.00	40.3 AV	70.0	-29.7	1.00 V	92	3.71	36.60
7	4924.00	57.8 PK	74.0	-16.2	1.00 V	271	17.23	40.61
8	4924.00	53.1 AV	54.0	-0.9	1.00 V	271	12.50	40.61

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.
6. "#":The radiated frequency is out the restricted band.

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EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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	56.6 PK	74.0	-17.4	1.00 H	276	24.15	32.47
2	2390.00	42.5 AV	54.0	-11.5	1.00 H	276	10.07	32.47
3	*2412.00	100.6 PK			1.00 H	276	68.09	32.55
4	*2412.00	81.5 AV			1.00 H	276	48.97	32.55
5	#3216.00	42.5 PK	80.6	-38.1	1.00 H	6	6.83	35.69
6	#3216.00	36.4 AV	61.5	-25.2	1.00 H	6	0.66	35.69
7	4824.00	55.6 PK	74.0	-18.4	1.00 H	60	15.71	39.92
8	4824.00	44.2 AV	54.0	-9.8	1.00 H	60	4.24	39.92
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	65.9 PK	74.0	-8.1	1.01 V	249	33.45	32.47
2	2390.00	48.9 AV	54.0	-5.2	1.01 V	249	16.38	32.47
3	*2412.00	107.5 PK			1.01 V	249	74.91	32.55
4	*2412.00	90.2 AV			1.01 V	249	57.60	32.55
5	#3216.00	45.6 PK	87.5	-41.9	1.00 V	71	9.88	35.69
6	#3216.00	43.7 AV	70.2	-26.5	1.00 V	71	8.00	35.69
7	4824.00	53.1 PK	74.0	-20.9	1.00 V	300	13.21	39.92
8	4824.00	48.2 AV	54.0	-5.8	1.00 V	300	8.30	39.92

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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	100.6 PK			1.00 H	230	67.94	32.64
2	*2437.00	81.1 AV			1.00 H	230	48.41	32.64
3	#3249.00	45.0 PK	80.6	-35.5	1.06 H	7	9.28	35.76
4	#3249.00	37.8 AV	61.1	-23.2	1.06 H	7	2.05	35.76
5	4874.00	56.0 PK	74.0	-18.0	1.13 H	69	15.93	40.08
6	4874.00	42.4 AV	54.0	-11.7	1.13 H	69	2.27	40.08
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	109.2 PK			1.06 V	165	76.60	32.64
2	*2437.00	89.0 AV			1.06 V	165	56.40	32.64
3	#3249.00	47.7 PK	89.2	-41.6	1.00 V	68	11.91	35.76
4	#3249.00	43.9 AV	69.0	-25.1	1.00 V	68	8.17	35.76
5	4874.00	64.1 PK	74.0	-9.9	1.00 V	300	24.00	40.08
6	4874.00	48.2 AV	54.0	-5.8	1.00 V	300	8.15	40.08

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. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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	103.3 PK			1.00 H	231	70.54	32.73
2	*2462.00	88.8 AV			1.00 H	231	56.06	32.73
3	2483.50	62.9 PK	74.0	-11.1	1.00 H	231	30.11	32.81
4	2483.50	46.6 AV	54.0	-7.4	1.00 H	231	13.75	32.81
5	#3282.00	41.4 PK	83.3	-41.8	1.00 H	64	5.61	35.83
6	#3282.00	31.0 AV	68.8	-37.8	1.00 H	64	-4.80	35.83
7	4924.00	52.5 PK	74.0	-21.5	1.00 H	30	12.27	40.24
8	4924.00	41.3 AV	54.0	-12.7	1.00 H	30	1.07	40.24
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	106.6 PK			1.10 V	18	73.82	32.73
2	*2462.00	89.4 AV			1.10 V	18	56.62	32.73
3	2483.50	70.9 PK	74.0	-3.1	1.10 V	18	38.13	32.81
4	2483.50	49.5 AV	54.0	-4.5	1.10 V	18	16.71	32.81
5	#3282.00	43.7 PK	86.6	-42.9	1.00 V	268	7.86	35.83
6	#3282.00	40.0 AV	69.4	-29.4	1.00 V	268	4.14	35.83
7	4924.00	65.2 PK	74.0	-8.8	1.00 V	203	24.99	40.24
8	4924.00	50.9 AV	54.0	-3.1	1.00 V	203	10.62	40.24

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 81%RH 1004 hPa	TESTED BY	Chad Lee
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	62.5 PK	74.0	-11.5	1.00 H	357	30.03	32.47
2	2390.00	47.7 AV	54.0	-6.3	1.00 H	357	15.21	32.47
3	*2412.00	105.2 PK			1.00 H	357	72.61	32.55
4	*2412.00	87.5 AV			1.00 H	357	54.95	32.55
5	#3216.00	41.4 PK	85.2	-43.8	1.00 H	22	5.67	35.69
6	#3216.00	32.6 AV	67.5	-34.9	1.00 H	22	-3.10	35.69
7	4824.00	55.3 PK	74.0	-18.7	1.00 H	133	15.34	39.92
8	4824.00	40.7 AV	54.0	-13.3	1.00 H	133	0.77	39.92
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	54.3 PK	74.0	-19.7	1.09 V	94	21.82	32.47
2	2390.00	41.3 AV	54.0	-12.7	1.09 V	94	8.84	32.47
3	*2412.00	98.8 PK			1.09 V	94	66.23	32.55
4	*2412.00	81.4 AV			1.09 V	94	48.87	32.55
5	#3216.00	43.7 PK	78.8	-35.1	1.05 V	94	8.04	35.69
6	#3216.00	39.8 AV	61.4	-21.7	1.05 V	94	4.06	35.69
7	4824.00	63.5 PK	74.0	-10.5	1.18 V	307	23.54	39.92
8	4824.00	48.7 AV	54.0	-5.3	1.18 V	307	8.81	39.92

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 81%RH 1004 hPa	TESTED BY	Chad Lee
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	108.6 PK			1.00 H	6	76.00	32.64
2	*2437.00	87.1 AV			1.00 H	6	54.43	32.64
3	#3249.00	43.9 PK	88.6	-44.7	1.00 H	56	8.16	35.76
4	#3249.00	35.0 AV	67.1	-32.1	1.00 H	56	-0.75	35.76
5	4874.00	58.1 PK	74.0	-15.9	1.04 H	225	18.01	40.08
6	4874.00	42.8 AV	54.0	-11.2	1.04 H	225	2.71	40.08
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	99.3 PK			1.04 V	90	66.70	32.64
2	*2437.00	80.7 AV			1.04 V	90	48.07	32.64
3	#3249.00	45.6 PK	79.3	-33.7	1.03 V	137	9.88	35.76
4	#3249.00	38.0 AV	60.7	-22.7	1.03 V	137	2.28	35.76
5	4874.00	64.9 PK	74.0	-9.1	1.03 V	148	24.83	40.08
6	4874.00	48.4 AV	54.0	-5.7	1.03 V	148	8.27	40.08

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. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 81%RH 1004 hPa	TESTED BY	Chad Lee
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	105.4 PK			1.00 H	344	72.67	32.73
2	*2462.00	86.1 AV			1.05 V	94	53.41	32.73
3	2483.50	63.1 PK	74.0	-11.0	1.00 H	344	30.24	32.81
4	2483.50	43.7 AV	54.0	-10.3	1.00 H	344	10.89	32.81
5	#3282.00	43.8 PK	85.4	-41.6	1.00 H	16	7.96	35.83
6	#3282.00	35.2 AV	66.1	-30.9	1.00 H	16	-0.59	35.83
7	4924.00	55.3 PK	74.0	-18.7	1.00 H	42	15.03	40.24
8	4924.00	41.2 AV	54.0	-12.8	1.00 H	42	0.99	40.24
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	102.0 PK			1.05 V	94	69.31	32.73
2	*2462.00	84.1 AV			1.00 H	344	51.37	32.73
3	2483.50	59.7 PK	74.0	-14.3	1.05 V	94	26.93	32.81
4	2483.50	46.4 AV	54.0	-7.6	1.05 V	94	13.61	32.81
5	#3282.00	45.3 PK	82.0	-36.8	1.00 V	41	9.45	35.83
6	#3282.00	37.7 AV	64.1	-26.4	1.00 V	41	1.84	35.83
7	4924.00	62.0 PK	74.0	-12.0	1.04 V	350	21.77	40.24
8	4924.00	47.7 AV	54.0	-6.3	1.04 V	350	7.47	40.24

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.
6. "#":The radiated frequency is out the restricted band.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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	56.0 PK	74.0	-18.0	1.00 H	277	23.55	32.47
2	2390.00	42.6 AV	54.0	-11.5	1.00 H	277	10.08	32.47
3	*2412.00	99.9 PK			1.00 H	277	67.38	32.55
4	*2412.00	81.2 AV			1.00 H	277	48.65	32.55
5	#3216.00	43.2 PK	79.9	-36.7	1.00 H	33	7.53	35.69
6	#3216.00	36.7 AV	61.2	-24.5	1.00 H	33	0.98	35.69
7	4824.00	56.1 PK	74.0	-17.9	1.00 H	292	16.15	39.92
8	4824.00	41.5 AV	54.0	-12.6	1.00 H	292	1.53	39.92
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	67.0 PK	74.0	-7.0	1.29 V	188	34.53	32.47
2	2390.00	48.4 AV	54.0	-5.6	1.29 V	188	15.94	32.47
3	*2412.00	107.6 PK			1.25 V	187	75.08	32.55
4	*2412.00	88.7 AV			1.25 V	187	56.14	32.55
5	#3216.00	46.1 PK	87.6	-41.5	1.00 V	70	10.41	35.69
6	#3216.00	43.5 AV	68.7	-25.2	1.00 V	70	7.83	35.69
7	4824.00	64.5 PK	74.0	-9.5	1.00 V	272	24.57	39.92
8	4824.00	47.9 AV	54.0	-6.1	1.00 V	272	7.95	39.92

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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	99.2 PK			1.00 H	234	66.56	32.64
2	*2437.00	80.6 AV			1.00 H	234	47.99	32.64
3	#3249.00	43.3 PK	79.2	-35.9	1.00 H	358	7.53	35.76
4	#3249.00	37.2 AV	60.6	-23.4	1.00 H	358	1.48	35.76
5	4874.00	55.5 PK	74.0	-18.5	1.00 H	13	15.44	40.08
6	4874.00	42.8 AV	54.0	-11.2	1.00 H	13	2.72	40.08
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	109.0 PK			1.00 V	18	76.36	32.64
2	*2437.00	89.6 AV			1.00 V	18	56.95	32.64
3	#3249.00	46.5 PK	89.0	-42.5	1.00 V	10	10.71	35.76
4	#3249.00	42.5 AV	69.6	-27.1	1.00 V	10	6.74	35.76
5	4874.00	67.0 PK	74.0	-7.0	1.02 V	263	26.95	40.08
6	4874.00	50.0 AV	54.0	-4.0	1.02 V	263	9.90	40.08

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. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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	97.7 PK			1.00 H	16	64.93	32.73
2	*2462.00	80.6 AV			1.00 H	16	47.88	32.73
3	2483.50	53.2 PK	74.0	-20.9	1.00 H	16	20.34	32.81
4	2483.50	41.8 AV	54.0	-12.2	1.00 H	16	8.96	32.81
5	#3282.00	43.7 PK	77.7	-34.0	1.00 H	15	7.84	35.83
6	#3282.00	36.8 AV	60.6	-23.8	1.00 H	15	0.96	35.83
7	4924.00	58.2 PK	74.0	-15.8	1.00 H	198	17.93	40.24
8	4924.00	39.1 AV	54.0	-14.9	1.00 H	198	-1.16	40.24
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	108.8 PK			1.28 V	23	76.08	32.73
2	*2462.00	89.5 AV			1.28 V	23	56.79	32.73
3	2483.50	66.0 PK	74.0	-8.0	1.28 V	25	33.15	32.81
4	2483.50	48.7 AV	54.0	-5.3	1.28 V	25	15.86	32.81
5	#3282.00	45.8 PK	88.8	-43.0	1.00 V	11	10.01	35.83
6	#3282.00	42.1 AV	69.5	-27.4	1.00 V	11	6.29	35.83
7	4924.00	63.4 PK	74.0	-10.6	1.00 V	269	23.14	40.24
8	4924.00	46.8 AV	54.0	-7.2	1.00 V	269	6.59	40.24

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 81%RH 1004 hPa	TESTED BY	Chad Lee
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	66.9 PK	74.0	-7.1	1.26 H	359	34.40	32.47
2	2390.00	46.9 AV	54.0	-7.1	1.26 H	359	14.45	32.47
3	*2412.00	106.6 PK			1.26 H	359	74.05	32.55
4	*2412.00	86.8 AV			1.26 H	359	54.23	32.55
5	#3216.00	42.0 PK	86.6	-44.6	1.00 H	57	6.35	35.69
6	#3216.00	34.7 AV	66.8	-32.1	1.00 H	57	-1.03	35.69
7	4824.00	59.5 PK	74.0	-14.5	1.00 H	182	19.60	39.92
8	4824.00	42.9 AV	54.0	-11.1	1.00 H	182	2.97	39.92
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	107	23.25	32.47
2	2390.00	44.1 AV	54.0	-9.9	1.00 V	107	11.61	32.47
3	*2412.00	97.1 PK			1.00 V	107	64.59	32.55
4	*2412.00	78.3 AV			1.00 V	107	45.75	32.55
5	#3216.00	46.7 PK	77.1	-30.5	1.00 V	353	10.96	35.69
6	#3216.00	36.5 AV	58.3	-21.8	1.00 V	353	0.82	35.69
7	4824.00	64.1 PK	74.0	-9.9	1.00 V	22	24.19	39.92
8	4824.00	49.1 AV	54.0	-5.0	1.00 V	22	9.13	39.92

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 81%RH 1004 hPa	TESTED BY	Chad Lee
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	108.3 PK			1.00 H	6	75.66	32.64
2	*2437.00	87.5 AV			1.00 H	6	54.88	32.64
3	#3249.00	45.0 PK	88.3	-43.3	1.00 H	337	9.25	35.76
4	#3249.00	32.8 AV	67.5	-34.7	1.00 H	337	-2.95	35.76
5	4874.00	56.3 PK	74.0	-17.7	1.00 H	225	16.18	40.08
6	4874.00	39.7 AV	54.0	-14.3	1.00 H	225	-0.39	40.08
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	98.7 PK			1.00 V	108	66.09	32.64
2	*2437.00	78.9 AV			1.00 V	108	46.26	32.64
3	#3249.00	47.0 PK	78.7	-31.8	1.00 V	103	11.19	35.76
4	#3249.00	41.1 AV	58.9	-17.8	1.00 V	103	5.38	35.76
5	4874.00	62.4 PK	74.0	-11.6	1.00 V	269	22.31	40.08
6	4874.00	43.9 AV	54.0	-10.1	1.00 V	269	3.86	40.08

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. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 81%RH 1004 hPa	TESTED BY	Chad Lee
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	107.3 PK			1.00 H	333	74.52	32.73
2	*2462.00	88.1 AV			1.00 H	333	55.34	32.73
3	2483.50	65.8 PK	74.0	-8.2	1.00 H	334	33.03	32.81
4	2483.50	46.5 AV	54.0	-7.5	1.00 H	334	13.68	32.81
5	#3282.00	44.9 PK	87.3	-42.3	1.00 H	16	9.11	35.83
6	#3282.00	35.9 AV	68.1	-32.1	1.00 H	16	0.10	35.83
7	4924.00	49.6 PK	74.0	-24.4	1.00 H	134	9.35	40.24
8	4924.00	37.3 AV	54.0	-16.7	1.00 H	134	-2.92	40.24
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	96.0 PK			1.00 V	117	63.31	32.73
2	*2462.00	76.8 AV			1.00 V	117	44.05	32.73
3	2483.50	52.5 PK	74.0	-21.5	1.00 V	117	19.71	32.81
4	2483.50	42.9 AV	54.0	-11.1	1.00 V	117	10.09	32.81
5	#3282.00	46.7 PK	76.0	-29.3	1.00 V	38	10.89	35.83
6	#3282.00	39.2 AV	56.8	-17.6	1.00 V	38	3.32	35.83
7	4924.00	59.4 PK	74.0	-14.6	1.00 V	266	19.14	40.24
8	4924.00	42.0 AV	54.0	-12.0	1.00 V	266	1.74	40.24

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.
6. "#":The radiated frequency is out the restricted band.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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	70.3 PK	74.0	-3.7	1.00 H	28	37.85	32.47
2	2390.00	50.6 AV	54.0	-3.4	1.00 H	28	18.17	32.47
3	*2422.00	95.2 PK			1.00 H	28	62.57	32.59
4	*2422.00	73.3 AV			1.00 H	28	40.74	32.59
5	#3229.00	42.2 PK	75.2	-33.0	1.00 H	1	6.46	35.71
6	#3229.00	34.3 AV	53.3	-19.0	1.00 H	1	-1.42	35.71
7	4844.00	58.1 PK	74.0	-15.9	1.00 H	232	18.08	39.99
8	4844.00	41.7 AV	54.0	-12.3	1.00 H	232	1.73	39.99
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	72.7 PK	74.0	-1.3	1.33 V	16	40.26	32.47
2	2390.00	53.3 AV	54.0	-0.7	1.33 V	16	20.81	32.47
3	*2422.00	106.3 PK			1.33 V	16	73.73	32.59
4	*2422.00	81.7 AV			1.33 V	16	49.09	32.59
5	#3229.00	45.4 PK	86.3	-40.9	1.00 V	266	9.70	35.71
6	#3229.00	42.0 AV	61.7	-19.7	1.00 V	266	6.29	35.71
7	4844.00	64.0 PK	74.0	-10.0	1.00 V	90	24.01	39.99
8	4844.00	47.0 AV	54.0	-7.0	1.00 V	90	7.01	39.99

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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			1.00 H	16	62.09	32.64
2	*2437.00	73.0 AV			1.00 H	16	40.38	32.64
3	#3249.00	42.8 PK	74.7	-32.0	1.00 H	6	7.02	35.76
4	#3249.00	35.7 AV	53.0	-17.3	1.00 H	6	-0.04	35.76
5	4874.00	58.2 PK	74.0	-15.8	1.12 H	225	18.09	40.08
6	4874.00	41.2 AV	54.0	-12.9	1.12 H	225	1.07	40.08
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	105.4 PK			1.00 V	16	72.75	32.64
2	*2437.00	80.7 AV			1.00 V	16	48.03	32.64
3	#3249.00	47.1 PK	85.4	-38.3	1.00 V	7	11.29	35.76
4	#3249.00	43.3 AV	60.7	-17.4	1.00 V	7	7.52	35.76
5	4874.00	61.9 PK	74.0	-12.1	1.00 V	83	21.84	40.08
6	4874.00	45.1 AV	54.0	-8.9	1.00 V	83	4.98	40.08

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. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1004 hPa	TESTED BY	Chad Lee
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	94.2 PK			1.00 H	28	61.47	32.70
2	*2452.00	74.2 AV			1.00 H	28	41.45	32.70
3	2483.50	61.8 PK	74.0	-12.2	1.00 H	28	28.96	32.81
4	2483.50	43.4 AV	54.0	-10.6	1.00 H	28	10.59	32.81
5	#3269.00	42.9 PK	74.2	-31.3	1.00 H	2	7.10	35.80
6	#3269.00	35.3 AV	54.2	-18.8	1.00 H	2	-0.48	35.80
7	4904.00	53.3 PK	74.0	-20.7	1.00 H	16	13.12	40.18
8	4904.00	39.6 AV	54.0	-14.4	1.00 H	16	-0.55	40.18
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	104.5 PK			1.00 V	24	71.75	32.70
2	*2452.00	79.5 AV			1.00 V	24	46.83	32.70
3	2483.50	72.7 PK	74.0	-1.3	1.00 V	24	39.90	32.81
4	2483.50	48.5 AV	54.0	-5.5	1.00 V	24	15.71	32.81
5	#3269.00	45.9 PK	84.5	-38.6	1.00 V	5	10.10	35.80
6	#3269.00	42.4 AV	59.5	-17.2	1.00 V	5	6.56	35.80
7	4904.00	60.2 PK	74.0	-13.8	1.00 V	83	20.04	40.18
8	4904.00	43.3 AV	54.0	-10.7	1.00 V	83	3.13	40.18

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 81%RH 1004 hPa	TESTED BY	Chad Lee
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	72.0 PK	74.0	-2.0	1.00 H	6	39.53	32.47
2	2390.00	52.3 AV	54.0	-1.7	1.00 H	6	19.80	32.47
3	*2422.00	105.8 PK			1.00 H	6	73.21	32.59
4	*2422.00	81.1 AV			1.00 H	6	48.50	32.59
5	#3229.00	43.8 PK	85.8	-42.0	1.00 H	341	8.07	35.71
6	#3229.00	31.4 AV	61.1	-29.7	1.00 H	341	-4.31	35.71
7	4844.00	52.7 PK	74.0	-21.3	1.00 H	139	12.74	39.99
8	4844.00	41.6 AV	54.0	-12.4	1.00 H	139	1.62	39.99
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	59.1 PK	74.0	-14.9	1.00 V	239	26.64	32.47
2	2390.00	43.8 AV	54.0	-10.2	1.00 V	239	11.29	32.47
3	*2422.00	94.1 PK			1.00 V	239	61.47	32.59
4	*2422.00	72.6 AV			1.00 V	239	40.05	32.59
5	#3229.00	45.1 PK	74.1	-29.0	1.00 V	142	9.38	35.71
6	#3229.00	39.9 AV	52.6	-12.7	1.00 V	142	4.23	35.71
7	4844.00	60.8 PK	74.0	-13.2	1.00 V	166	20.84	39.99
8	4844.00	41.7 AV	54.0	-12.3	1.00 V	166	1.71	39.99

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.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 81%RH 1004 hPa	TESTED BY	Chad Lee
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	103.3 PK			1.00 H	342	70.69	32.64
2	*2437.00	81.6 AV			1.00 H	342	48.97	32.64
3	#3249.00	42.4 PK	83.3	-40.9	1.00 H	16	6.67	35.76
4	#3249.00	35.1 AV	61.6	-26.6	1.00 H	16	-0.70	35.76
5	4874.00	54.4 PK	74.0	-19.6	1.00 H	42	14.29	40.08
6	4874.00	40.5 AV	54.0	-13.5	1.00 H	42	0.38	40.08
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	93.6 PK			1.04 V	97	60.99	32.64
2	*2437.00	69.9 AV			1.04 V	97	37.24	32.64
3	#3249.00	44.5 PK	73.6	-29.1	1.00 V	184	8.77	35.76
4	#3249.00	36.8 AV	49.9	-13.1	1.00 V	184	1.07	35.76
5	4874.00	62.8 PK	74.0	-11.2	1.00 V	265	22.68	40.08
6	4874.00	50.1 AV	54.0	-3.9	1.00 V	265	10.03	40.08

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. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 81%RH 1004 hPa	TESTED BY	Chad Lee
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	103.7 PK			1.00 H	352	71.01	32.70
2	*2452.00	79.2 AV			1.00 H	352	46.51	32.70
3	2483.50	67.9 PK	74.0	-6.2	1.00 H	352	35.04	32.81
4	2483.50	48.2 AV	54.0	-5.8	1.00 H	352	15.40	32.81
5	#3269.00	44.3 PK	83.7	-39.4	1.00 H	77	8.49	35.80
6	#3269.00	35.7 AV	59.2	-23.6	1.00 H	77	-0.14	35.80
7	4904.00	47.1 PK	74.0	-26.9	1.00 H	6	6.88	40.18
8	4904.00	37.5 AV	54.0	-16.5	1.00 H	6	-2.72	40.18
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	93.9 PK			1.06 V	95	61.16	32.70
2	*2452.00	71.9 AV			1.06 V	95	39.18	32.70
3	2483.50	59.6 PK	74.0	-14.4	1.06 V	95	26.77	32.81
4	2483.50	47.6 AV	54.0	-6.4	1.06 V	95	14.75	32.81
5	#3269.00	47.4 PK	73.9	-26.4	1.00 V	183	11.64	35.80
6	#3269.00	37.7 AV	51.9	-14.2	1.00 V	183	1.85	35.80
7	4904.00	54.2 PK	74.0	-19.8	1.00 V	309	14.02	40.18
8	4904.00	38.2 AV	54.0	-15.8	1.00 V	309	-1.94	40.18

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.
6. "#":The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA：802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH 1003 hPa	TESTED BY	Chad Lee
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	765.97	35.2 QP	46.0	-10.8	1.08 H	46	9.59	25.63
2	798.25	36.8 QP	46.0	-9.2	1.69 H	106	10.39	26.41
3	835.37	36.5 QP	46.0	-9.5	1.17 H	82	9.61	26.91
4	864.43	44.3 QP	46.0	-1.7	1.84 H	283	17.06	27.24
5	891.86	44.9 QP	46.0	-1.1	1.62 H	10	17.41	27.52
6	932.21	42.5 QP	46.0	-3.5	1.00 H	256	14.38	28.09
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	599.73	44.1 QP	46.0	-1.9	1.55 V	352	21.05	23.02
2	615.87	40.6 QP	46.0	-5.4	1.74 V	10	17.36	23.20
3	798.25	36.7 QP	46.0	-9.3	1.85 V	94	10.28	26.41
4	861.20	43.3 QP	46.0	-2.7	1.63 V	10	16.12	27.21
5	893.48	42.2 QP	46.0	-3.8	1.12 V	199	14.64	27.53
6	904.78	40.9 QP	46.0	-5.1	1.30 V	358	13.22	27.67

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
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	23deg. C, 81%RH 1003 hPa	TESTED BY	Chad Lee
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	643.31	36.3 QP	46.0	-9.7	1.67 H	112	12.79	23.48
2	665.91	33.6 QP	46.0	-12.5	1.82 H	121	9.84	23.71
3	696.57	37.6 QP	46.0	-8.4	1.33 H	148	13.63	24.01
4	733.69	37.9 QP	46.0	-8.1	1.35 H	109	13.03	24.85
5	798.25	39.6 QP	46.0	-6.4	1.48 H	112	13.23	26.41
6	830.53	35.8 QP	46.0	-10.2	1.50 H	97	8.97	26.85
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	598.12	37.6 QP	46.0	-8.4	1.12 V	199	14.58	22.99
2	628.79	36.3 QP	46.0	-9.7	1.63 V	181	12.98	23.33
3	665.91	31.6 QP	46.0	-14.4	1.56 V	187	7.91	23.71
4	699.80	33.9 QP	46.0	-12.1	1.87 V	235	9.83	24.04
5	732.08	32.6 QP	46.0	-13.4	1.13 V	10	7.76	24.81
6	798.25	34.7 QP	46.0	-11.3	1.03 V	238	8.28	26.41

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 0.50MHz.
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.	CALIBRATED DATE	CALIBRATED UNTIL
ROHDE & SCHWARZ Test Receiver	ESCS 30	100276	Dec. 31, 2010	Dec. 30, 2011
ROHDE & SCHWARZ Artificial Mains Network (for EUT)	ESH3-Z5	100219	Nov. 24, 2010	Nov. 23, 2011
LISN With Adapter (for EUT)	AD10	C10Ada-001	Nov. 24, 2010	Nov. 23, 2011
ROHDE & SCHWARZ Artificial Mains Network (for peripherals)	ESH3-Z5	100218	Nov. 24, 2010	Nov. 23, 2011
Software	ADT_Cond_V7.3.7	NA	NA	NA
Software	ADT_ISN_V7.3.7	NA	NA	NA
RF cable (JYEBAO)	5D-FB	Cable-C10.01	Feb. 22, 2011	Feb. 21, 2012
SUHNER Terminator (For ROHDE & SCHWARZ LISN)	65BNC-5001	E1-010773	Feb. 26, 2011	Feb. 25, 2012

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 Shielded Room No. 10.
3. The VCCI Site Registration No. C-1852.

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.

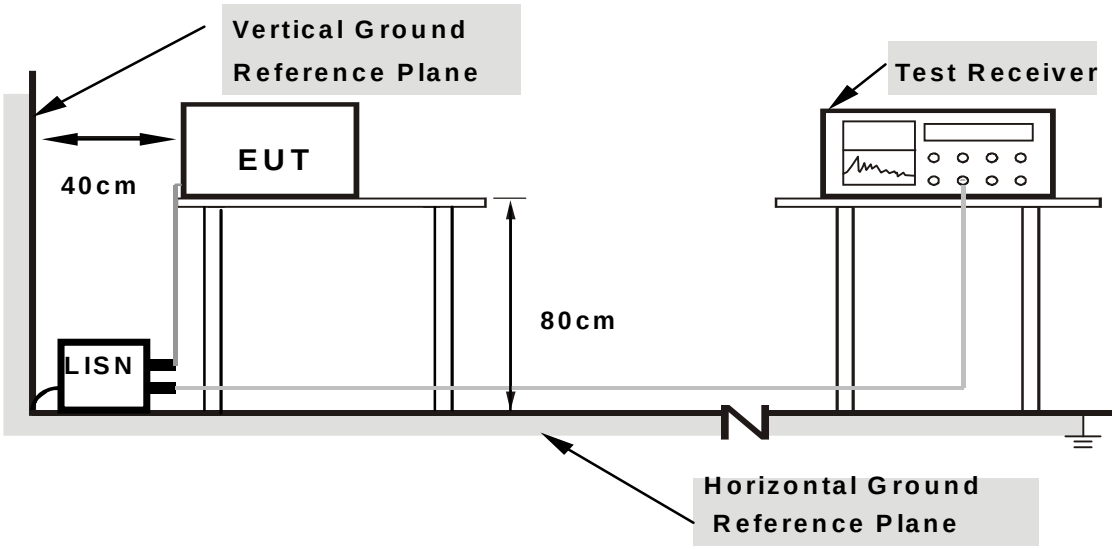
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

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 item 4.1.6.

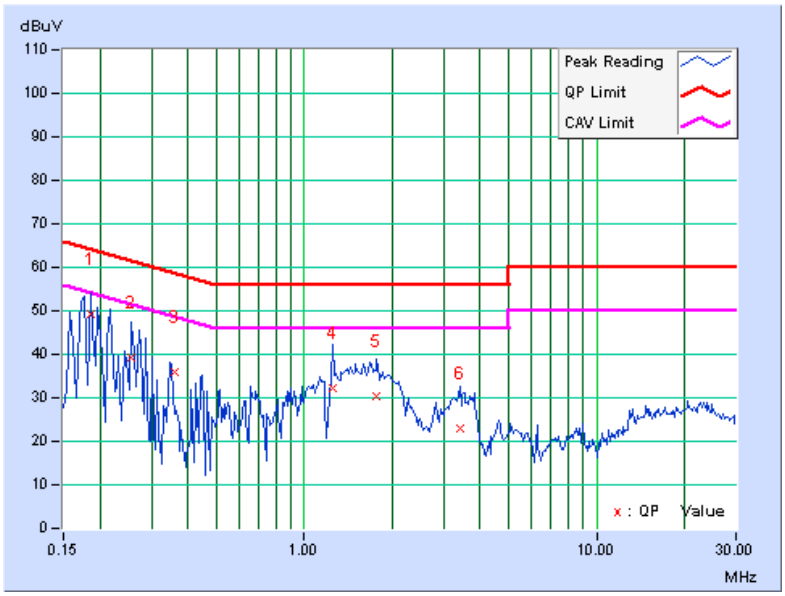
4.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA： 802.11g

TEST MODE	A		
PHASE	Line 1	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.185	0.17	49.00	-	49.17	-	64.25	54.25	-15.08	-
2	0.255	0.19	39.22	-	39.41	-	61.58	51.58	-22.17	-
3	0.361	0.23	35.57	-	35.80	-	58.72	48.72	-22.92	-
4	1.258	0.29	31.96	-	32.25	-	56.00	46.00	-23.75	-
5	1.770	0.32	29.90	-	30.22	-	56.00	46.00	-25.78	-
6	3.410	0.44	22.43	-	22.87	-	56.00	46.00	-33.13	-

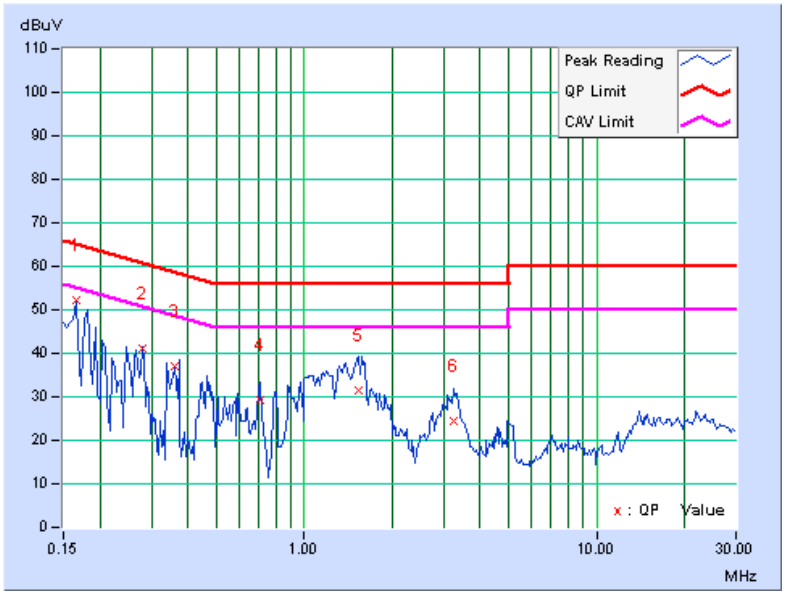
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



TEST MODE	A		
PHASE	Line 2	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.166**	**0.18**	**52.03**	**-**	**52.21**	**-**	**65.18**	**55.18**	**-12.97**	**-**
2	0.279	0.21	40.91	-	41.12	-	60.85	50.85	-19.73	-
3	0.361	0.24	36.64	-	36.88	-	58.70	48.70	-21.82	-
4	0.705	0.27	29.11	-	29.38	-	56.00	46.00	-26.62	-
5	1.539	0.31	31.31	-	31.62	-	56.00	46.00	-24.38	-
6	3.266	0.42	24.06	-	24.48	-	56.00	46.00	-31.52	-

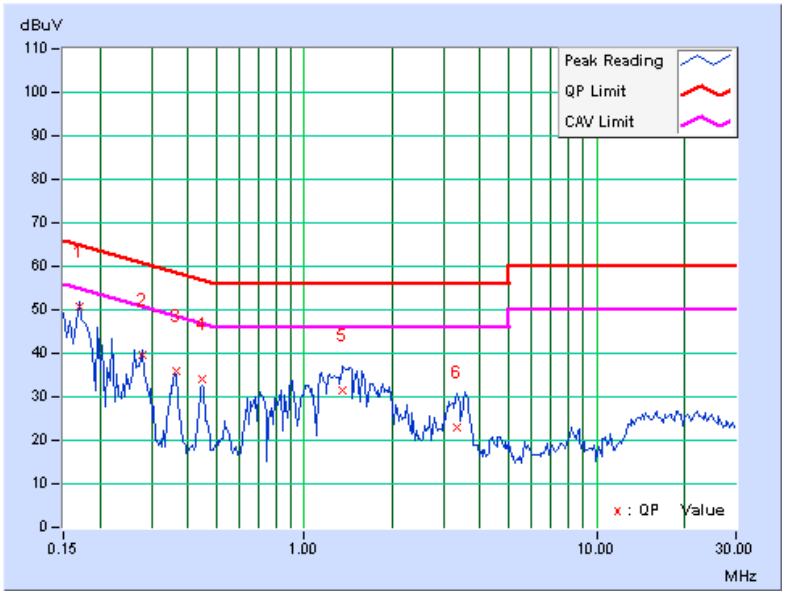
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



TEST MODE	B		
PHASE	Line 1	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.170	0.17	50.40	-	50.57	-	64.98	54.98	-14.42	-
2	0.279	0.20	39.52	-	39.72	-	60.85	50.85	-21.13	-
3	0.365	0.23	35.68	-	35.91	-	58.62	48.62	-22.71	-
4	0.447	0.24	33.65	-	33.89	-	56.93	46.93	-23.04	-
5	1.355	0.29	31.20	-	31.49	-	56.00	46.00	-24.51	-
6	3.328	0.44	22.66	-	23.10	-	56.00	46.00	-32.90	-

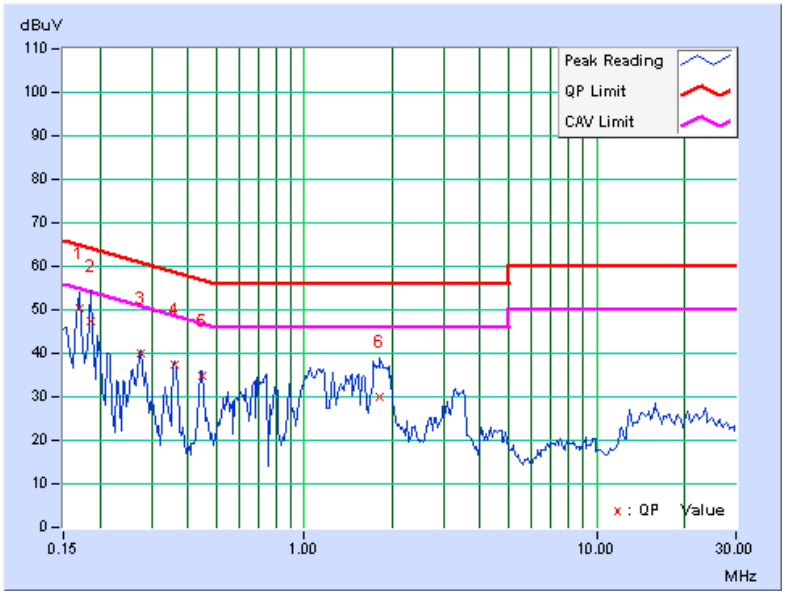
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



TEST MODE	B		
PHASE	Line 2	6dB BANDWIDTH	9kHz

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.170	0.18	50.26	-	50.44	-	64.98	54.98	-14.55	-
2	0.185	0.18	47.14	-	47.32	-	64.25	54.25	-16.93	-
3	0.275	0.21	39.64	-	39.85	-	60.97	50.97	-21.12	-
4	0.361	0.24	37.11	-	37.35	-	58.71	48.71	-21.36	-
5	0.447	0.25	34.54	-	34.79	-	56.93	46.93	-22.14	-
6	1.816	0.32	29.56	-	29.88	-	56.00	46.00	-26.12	-

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.



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	100036	Apr. 29, 2011	Apr. 28, 2012

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

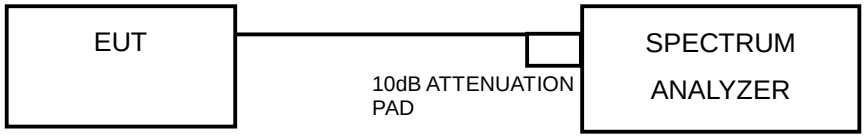
4.3.3 TEST PROCEDURE

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 300kHz 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.

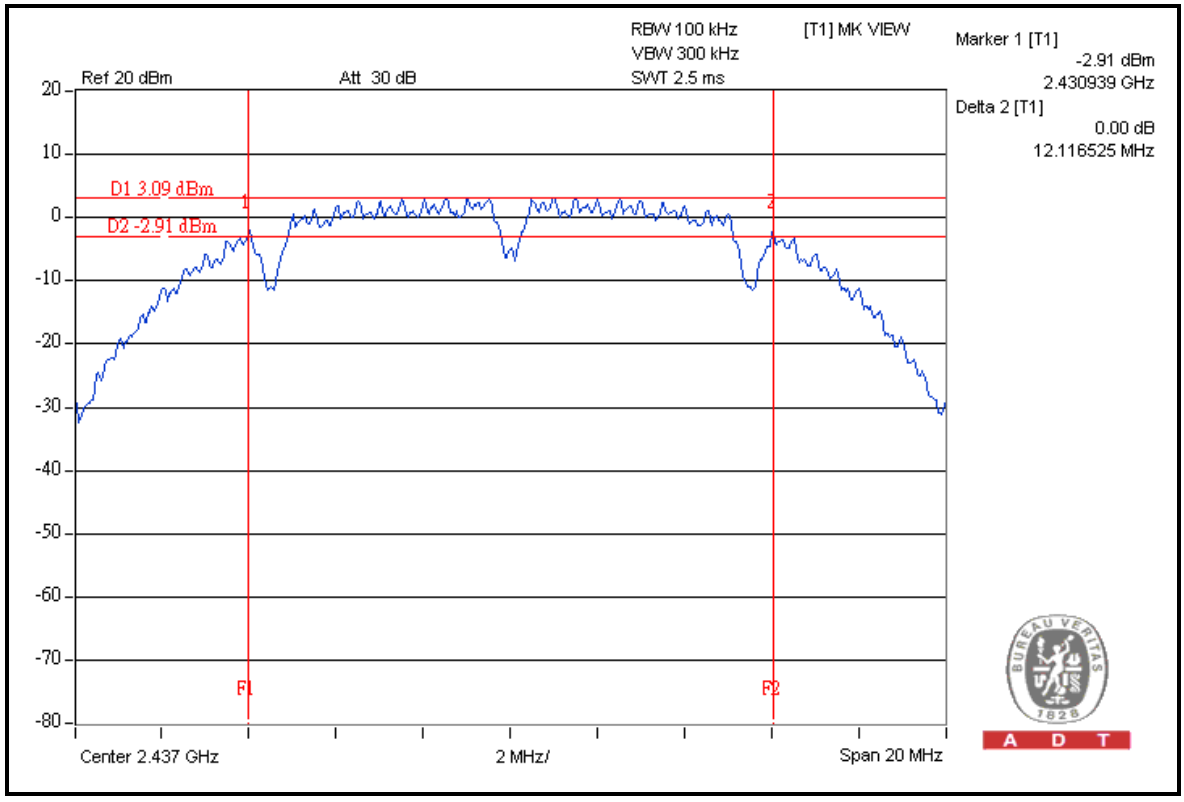
4.3.7 TEST RESULTS

TEST MODE A:

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	12.09	0.5	PASS
6	2437	12.11	0.5	PASS
11	2462	12.08	0.5	PASS

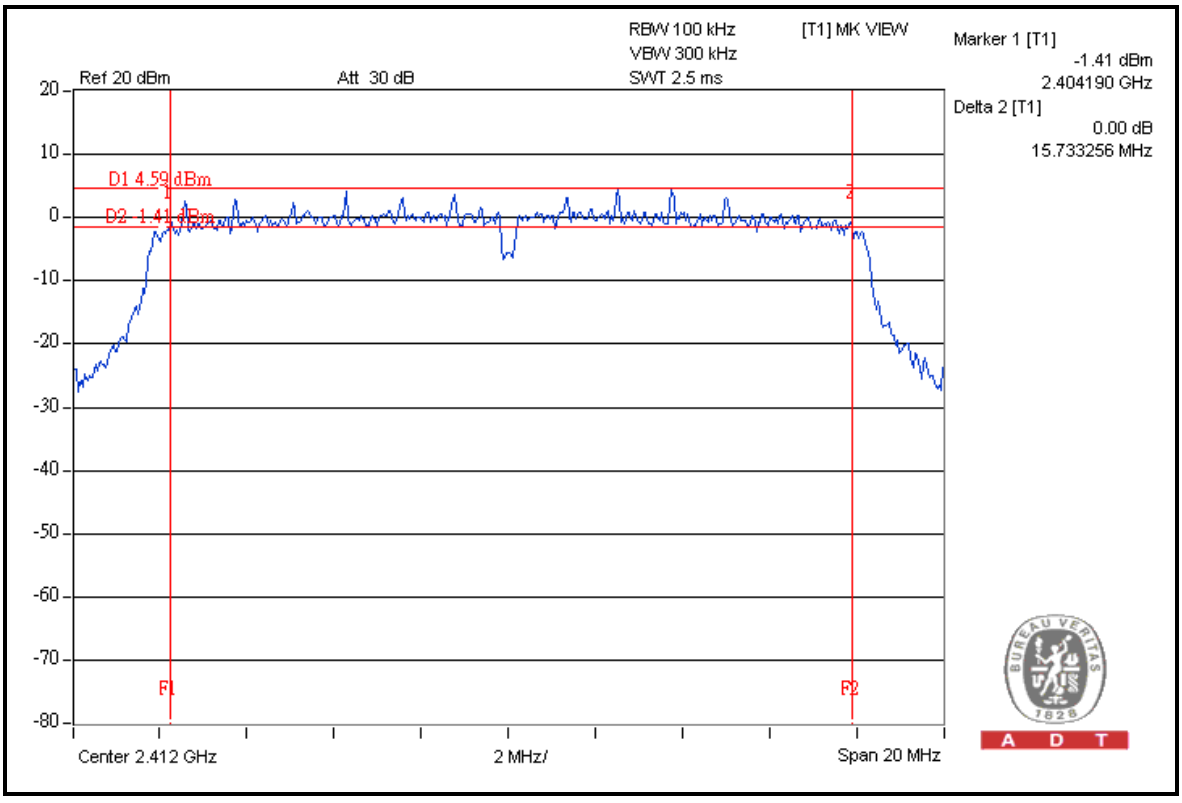
CH 6



802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	15.73	0.5	PASS
6	2437	15.47	0.5	PASS
11	2462	15.69	0.5	PASS

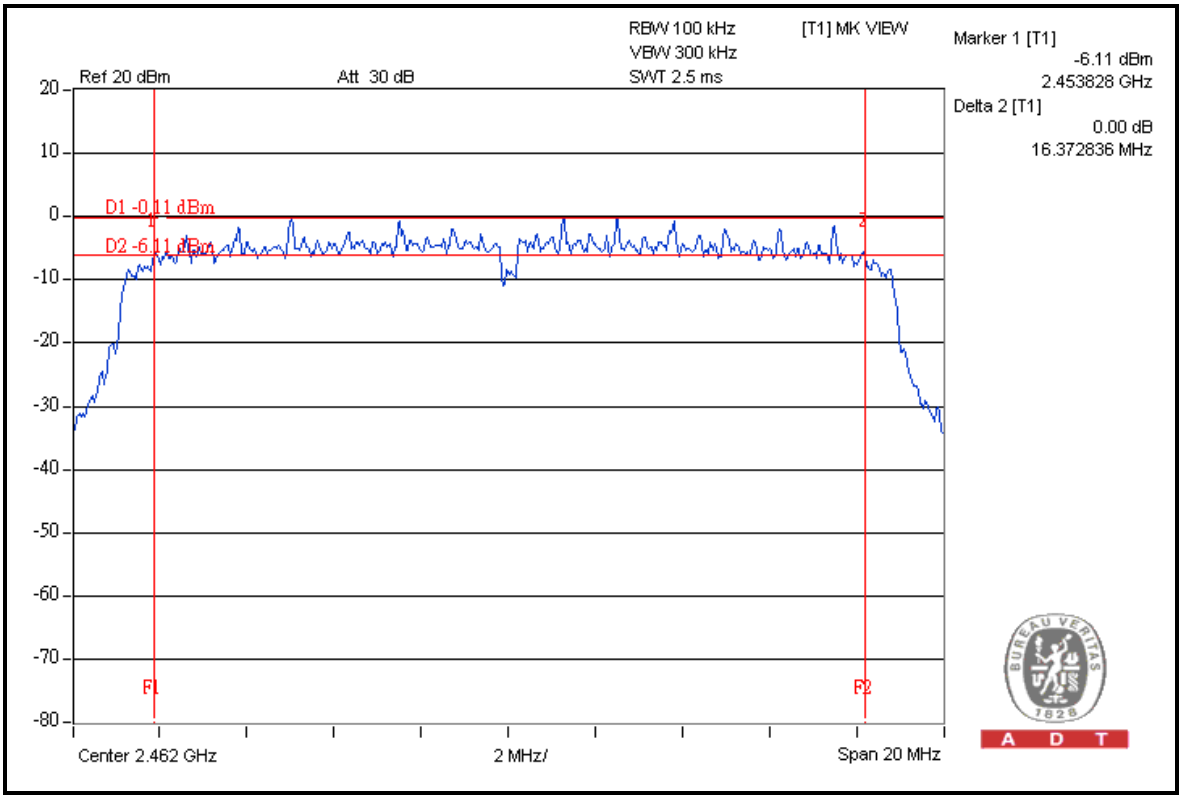
CH 1



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
1	2412	16.33	16.35	0.5	PASS
6	2437	16.29	16.36	0.5	PASS
11	2462	15.69	16.37	0.5	PASS

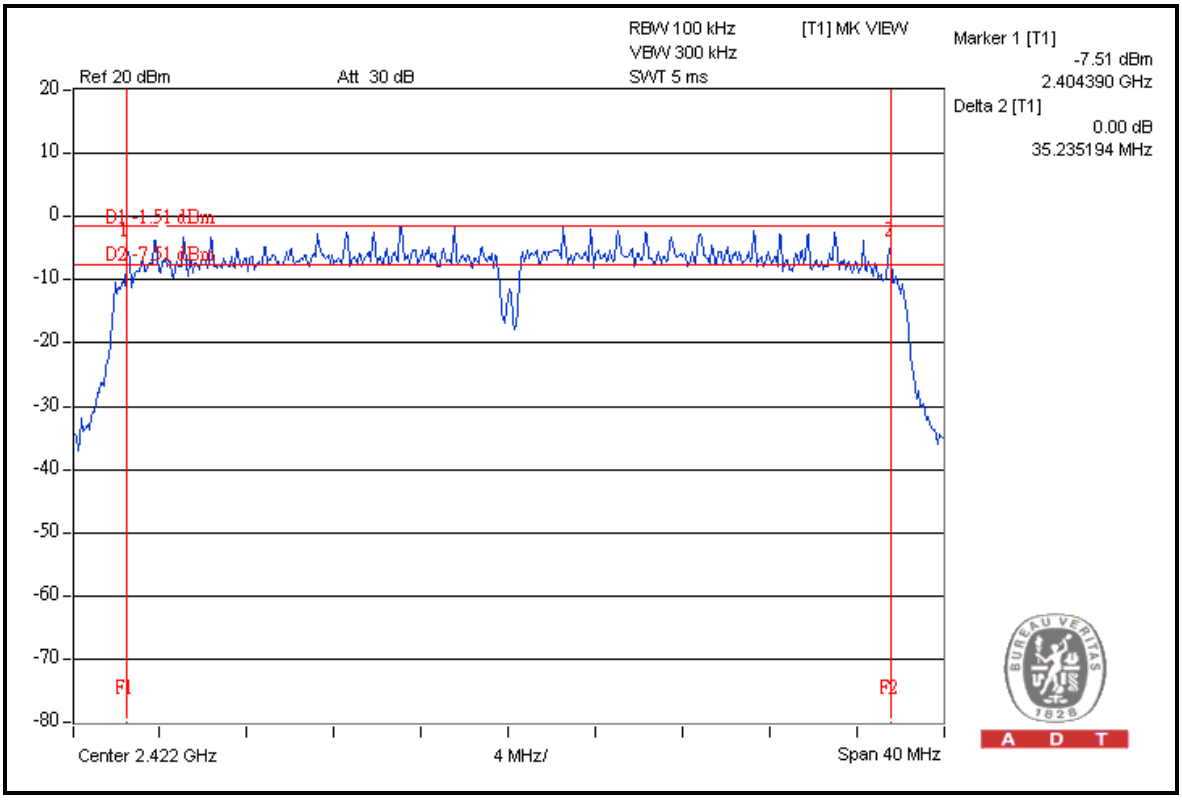
FOR CHAIN 1: CH 11



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
1	2422	34.02	35.23	0.5	PASS
4	2437	35.19	35.18	0.5	PASS
7	2452	35.20	35.16	0.5	PASS

FOR CHAIN 1: CH 1



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
Anritsu Power Sensor	MA2411B	0738404	Apr. 26, 2011	Apr. 25, 2012
Anritsu Power Meter	ML2495A	0842014	Apr. 26, 2011	Apr. 25, 2012

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.

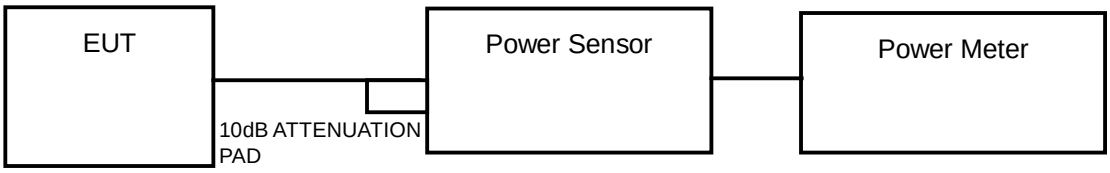
4.4.3 TEST PROCEDURES

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

TEST MODE A:

802.11b

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)	POWER OUTPUT (mW)	POWER LIMIT (dBm)	PASS / FAIL
1	2412	18.4	69.3	30	PASS
6	2437	18.7	74.6	30	PASS
11	2462	18.5	71.0	30	PASS

802.11g

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)	POWER OUTPUT (mW)	POWER LIMIT (dBm)	PASS / FAIL
1	2412	24.1	256.4	30	PASS
6	2437	24.0	251.8	30	PASS
11	2462	24.0	249.5	30	PASS

802.11n (20MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1				
1	2412	20.0	20.9	223.4	23.5	30	PASS
6	2437	19.7	21.7	239.2	23.8	30	PASS
11	2462	20.3	21.1	235.0	23.7	30	PASS

802.11n (40MHz)

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1				
1	2422	21.5	22.7	**325.0**	25.1	30	PASS
4	2437	21.6	22.3	313.5	25.0	30	PASS
7	2452	21.5	21.7	290.2	24.6	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	100036	Apr. 29, 2011	Apr. 28, 2012

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.

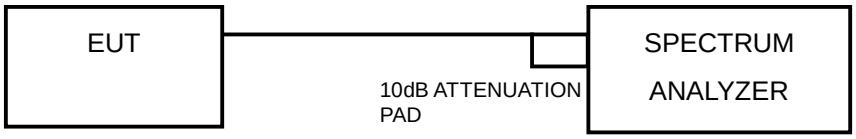
The sweep time is allowed to be longer than span/3kHz for a full response of the mixer in the spectrum analyzer.

Follow method 2 of KDB 662911 D01 Multiple Transmitter Output v01 to calculate total power density of 2 TX port.

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

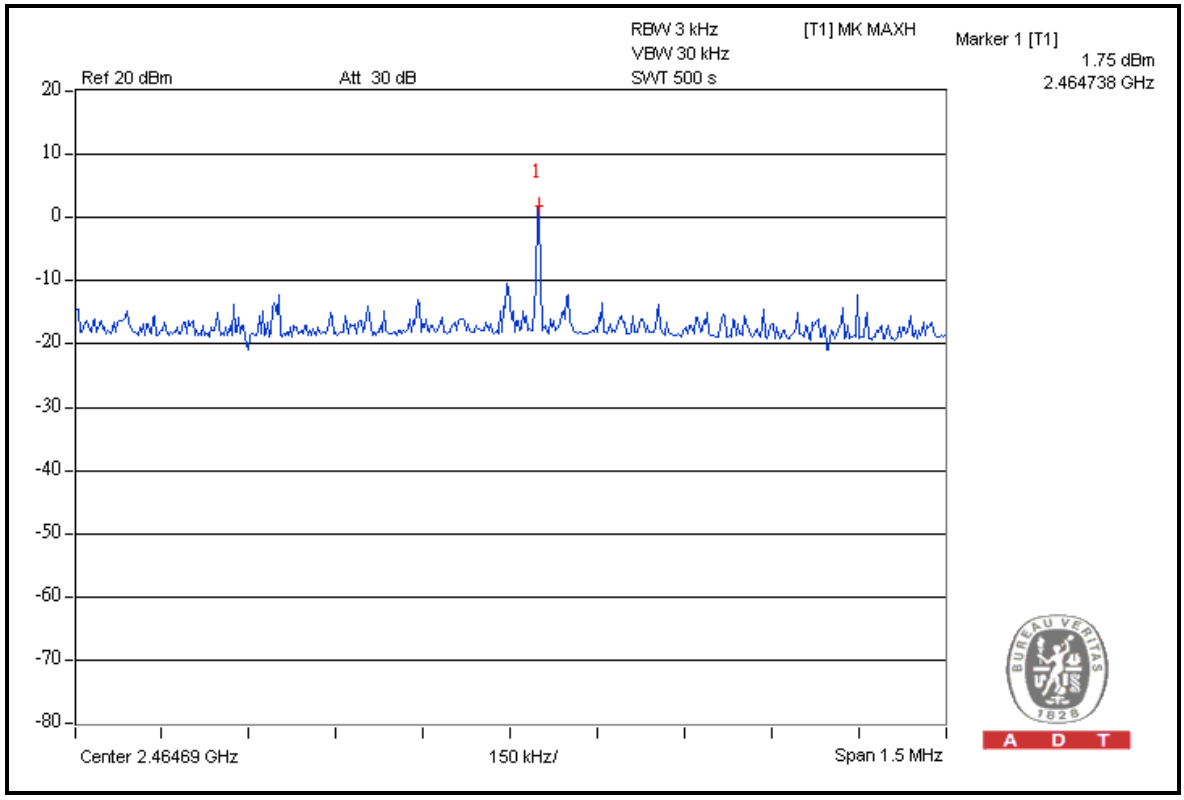
4.5.7 TEST RESULTS

TEST MODE A:

802.11b

CHANNEL	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
1	2412	-0.4	8	PASS
6	2437	0.9	8	PASS
11	2462	1.8	8	PASS

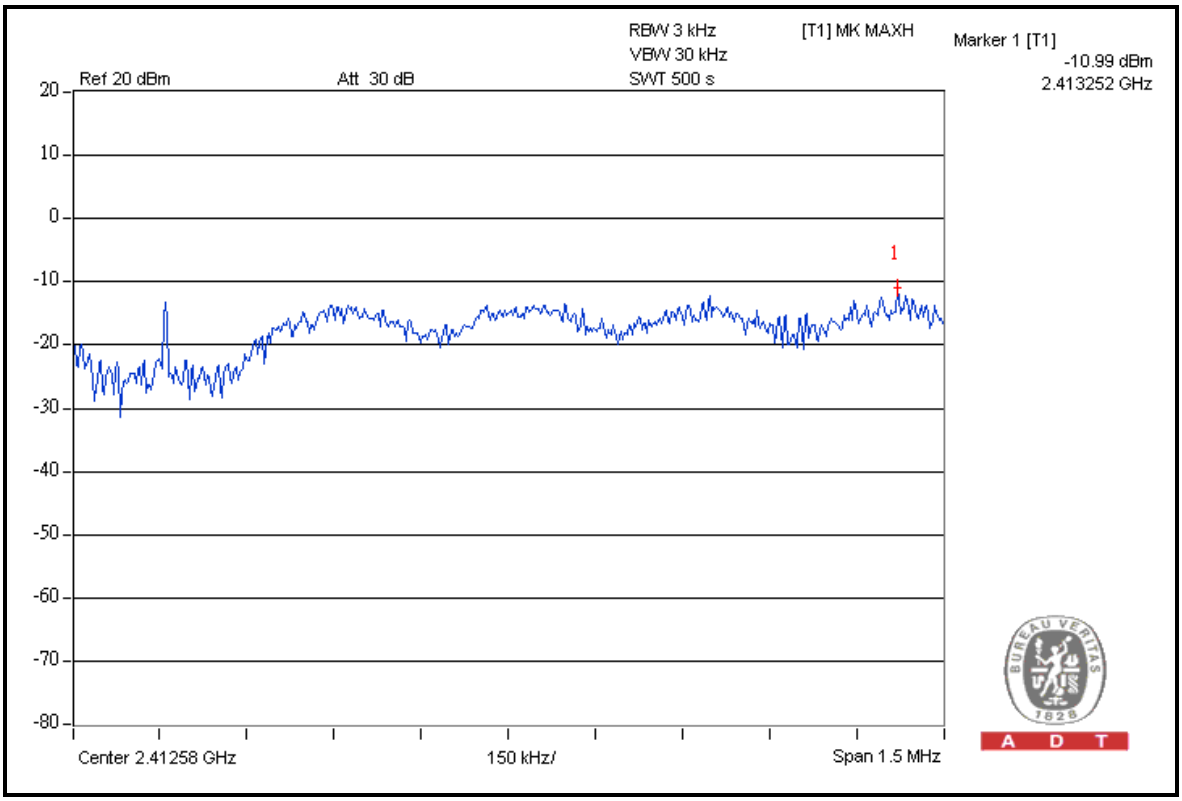
CH 11



802.11g

CHANNEL	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
1	2412	-11.0	8	PASS
6	2437	-12.8	8	PASS
11	2462	-12.2	8	PASS

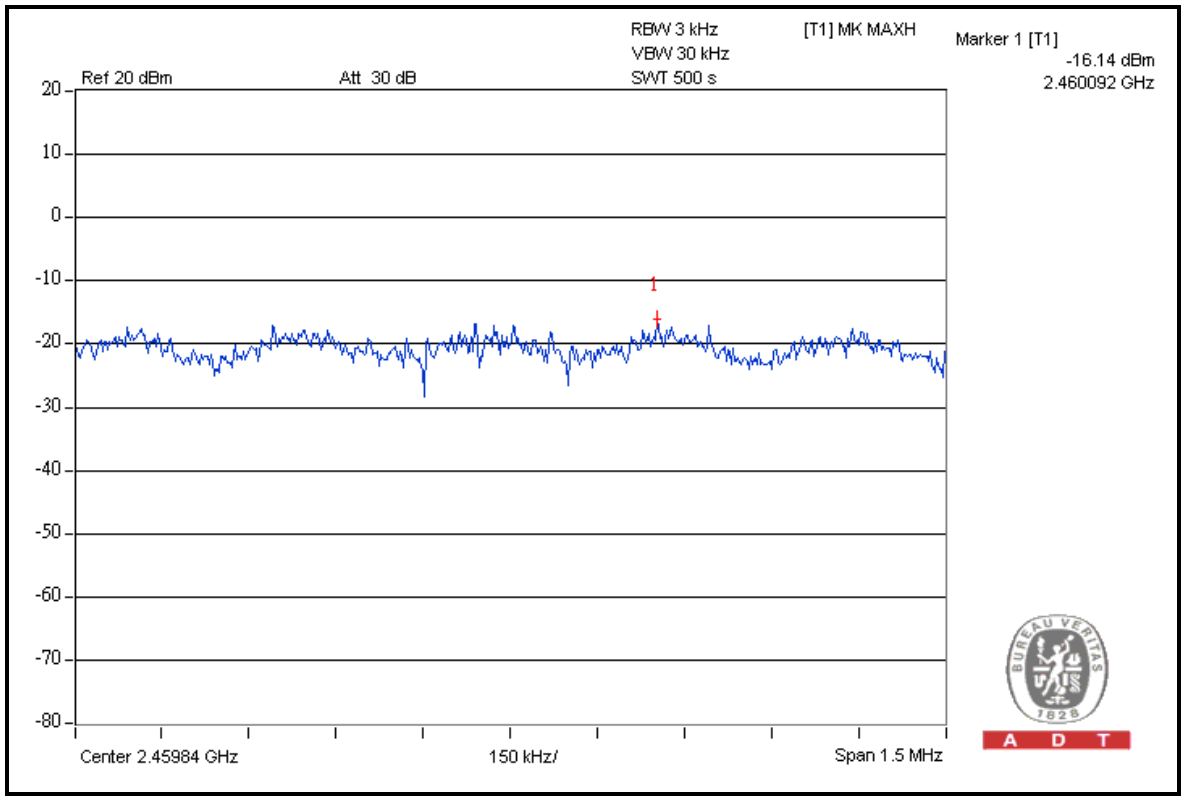
CH 1



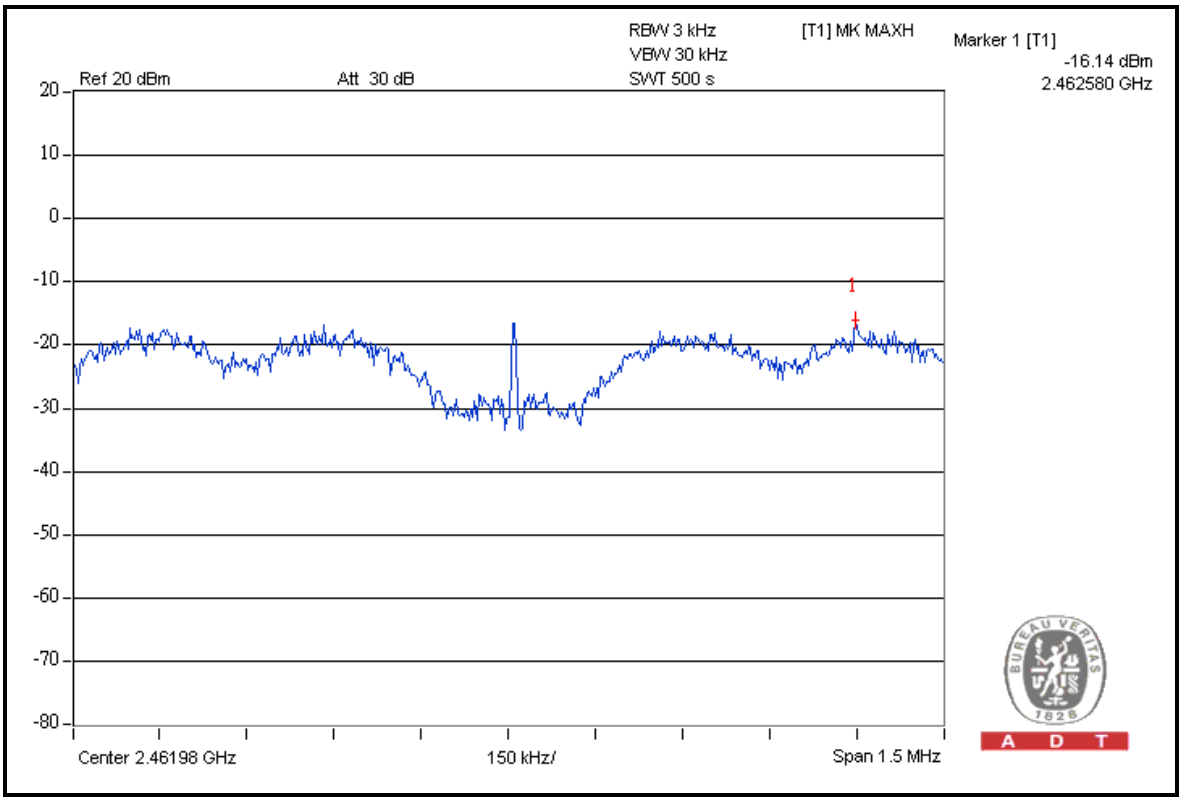
802.11n (20MHz)

CHAIN	CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
			MEASURED	10 log (N=2) dB			
0	1	2412	-16.6	3.01	-13.6	8	PASS
	6	2437	-16.8	3.01	-13.8	8	PASS
	11	2462	-16.1	3.01	-13.1	8	PASS
1	1	2412	-16.5	3.01	-13.5	8	PASS
	6	2437	-16.8	3.01	-13.8	8	PASS
	11	2462	-16.1	3.01	-13.1	8	PASS

FOR CHAIN 0: CH 11



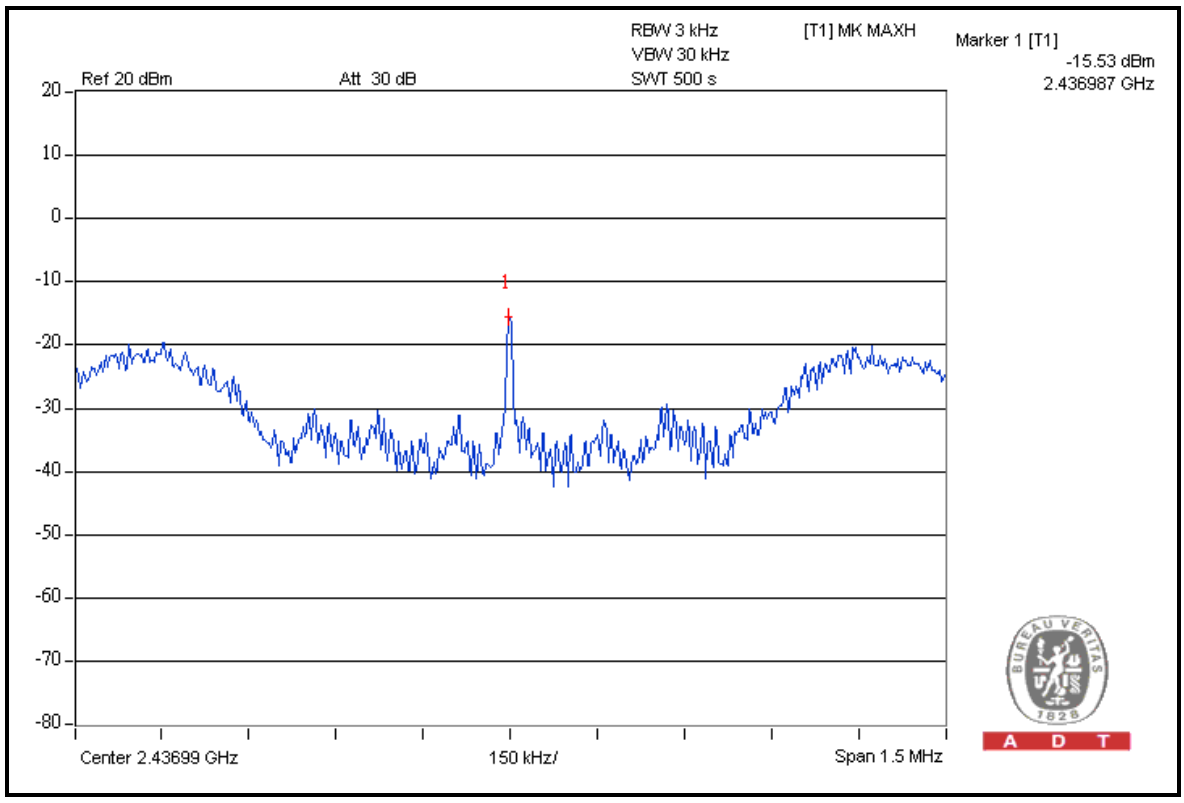
FOR CHAIN 1: CH 11



802.11n (40MHz)

CHAIN	CHAN.	CHAN. FREQ. (MHz)	RF POWER LEVEL IN 3kHz BW (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
			MEASURED	10 log (N=2) dB			
0	1	2422	-17.6	3.01	-14.6	8	PASS
	4	2437	-15.5	3.01	-12.5	8	PASS
	7	2452	-18.5	3.01	-15.5	8	PASS
1	1	2422	-16.0	3.01	-13.0	8	PASS
	4	2437	-16.6	3.01	-13.6	8	PASS
	7	2452	-18.2	3.01	-15.2	8	PASS

FOR CHAIN 0: 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	CALIBRATED UNTIL
FOR CONDUCTED MEASUREMENT:				
R&S SPECTRUM ANALYZER	FSP 40	100036	Apr. 29, 2011	Apr. 28, 2012
FOR RADIATED MEASUREMENT:				
HP Preamplifier	8447D	2432A03504	Mar. 04, 2011	Mar. 03, 2012
HP Preamplifier	8449B	3008A01924	Mar. 04, 2011	Mar. 03, 2012
HP Preamplifier	8449B	3008A01292	Mar. 04, 2011	Mar. 03, 2012
ROHDE & SCHWARZ TEST RECEIVER	ESU26	100005	Jun. 10, 2010	Jun. 09, 2011
Schwarzbeck Antenna	VULB 9168	137	Apr. 12, 2011	Apr. 11, 2012
Schwarzbeck Antenna	VHBA 9123	480	May 06, 2011	May 05, 2012
ADT. Turn Table	TT100	0306	NA	NA
ADT. Tower	AT100	0306	NA	NA
Software	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
SUHNER RF cable	SF102	CABLE-CH6	Aug. 20, 2010	Aug. 19, 2011
EMCO Horn Antenna	3115	6714	Oct. 26, 2010	Oct. 25, 2011
EMCO Horn Antenna	3115	9312-4192	Apr. 22, 2011	Apr. 21, 2012
Highpass filter Wainwright Instruments	WHK 3.1/18G-10SS	SN 8	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

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 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) are attached on the following pages.

NOTE: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz for Average detection (AV) at frequency above 1GHz.

4.6.4 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 pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement in part 15.247(d).

802.11b

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)	103.2	49.3	53.9	74.00
2412.00 (AV)	99.6	55.5	44.1	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	51.3	48.9	74.00
2462.00 (AV)	96.4	57.8	38.6	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)

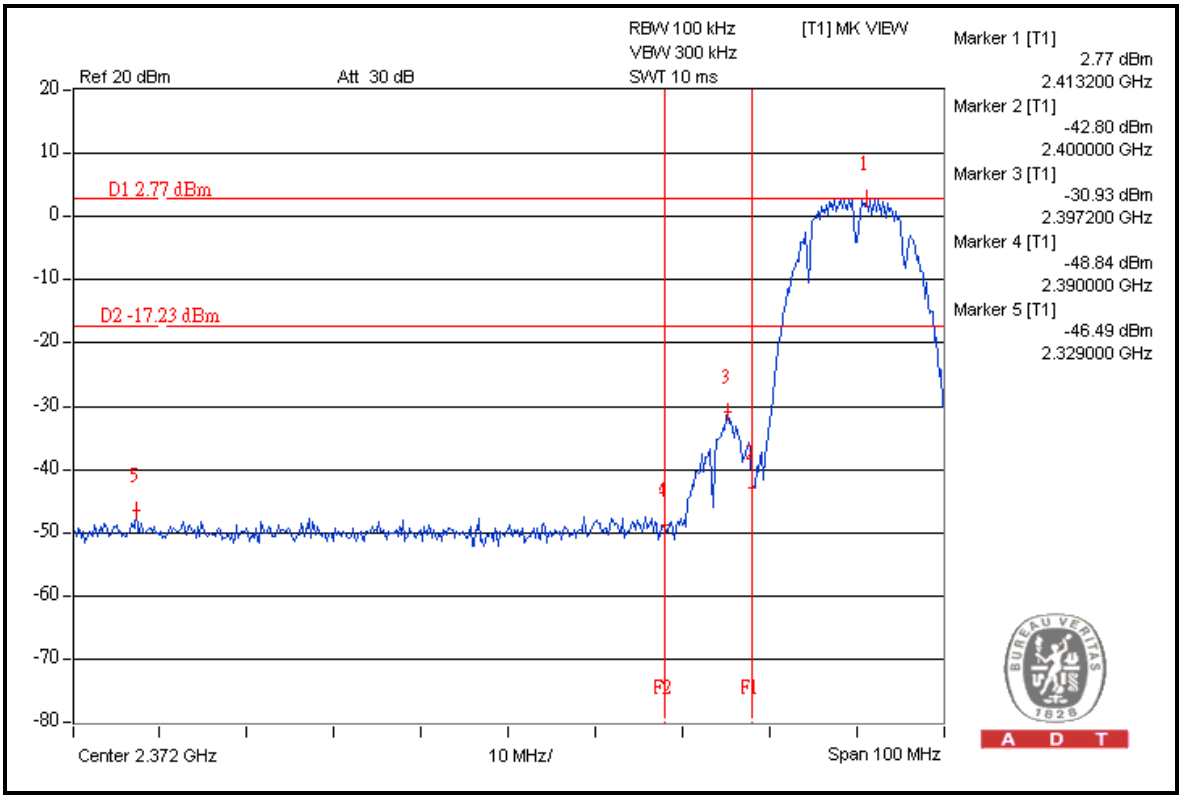
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	100.7	49.3	51.4	74.00
2412.00 (AV)	96.8	55.5	41.3	54.00

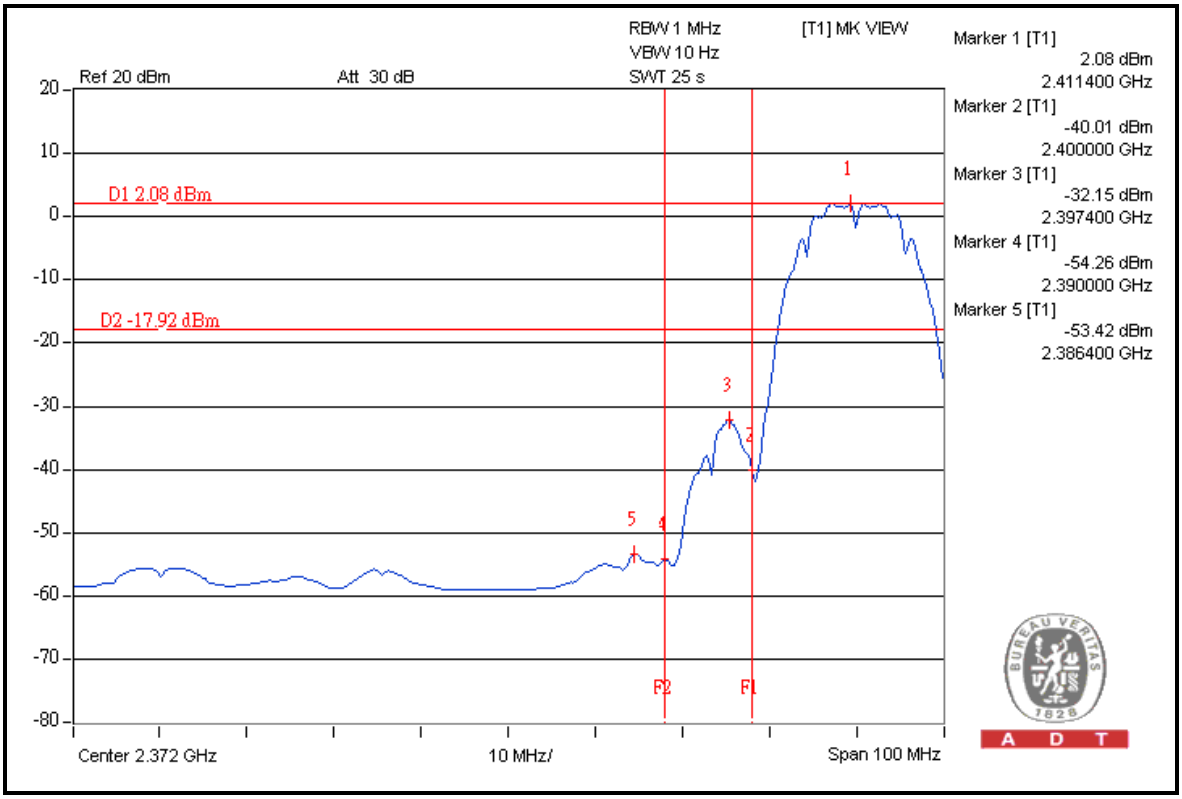
RESTRICT BAND (2483.5 ~ 2500 MHz)

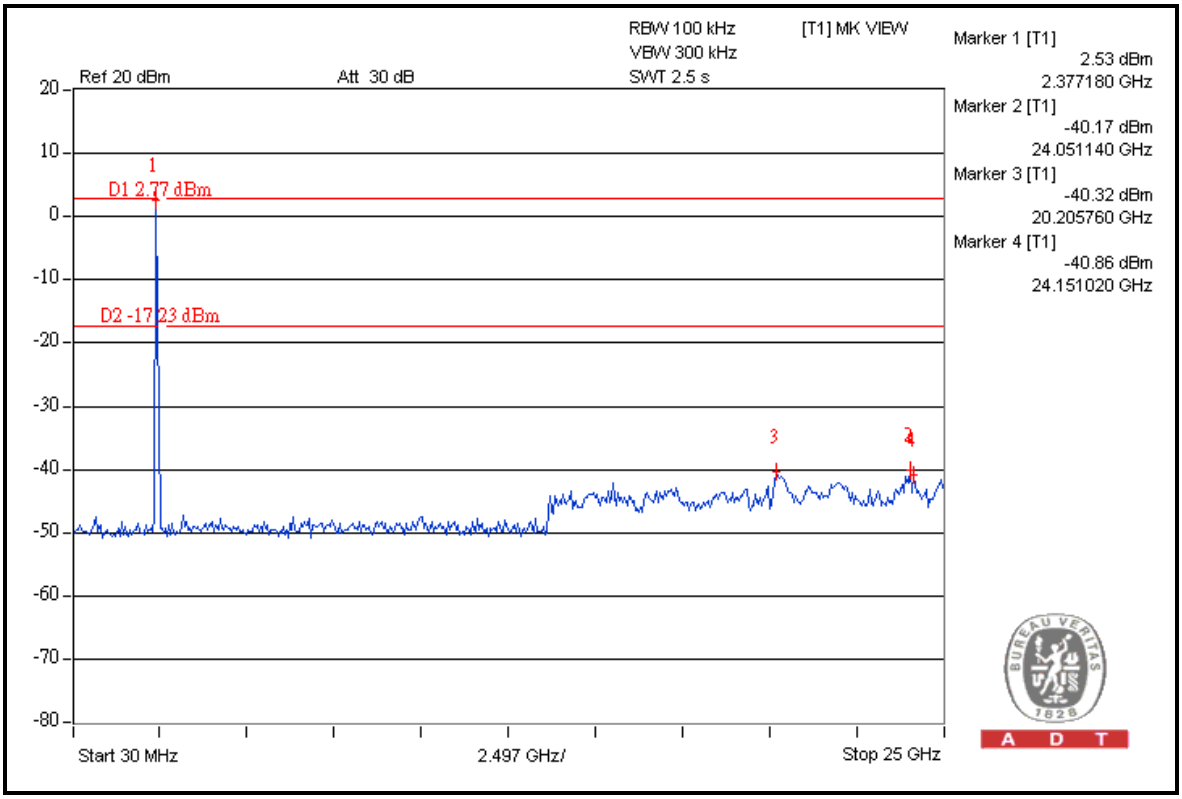
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	100.4	51.3	49.1	74.00
2462.00 (AV)	96.3	57.8	38.5	54.00

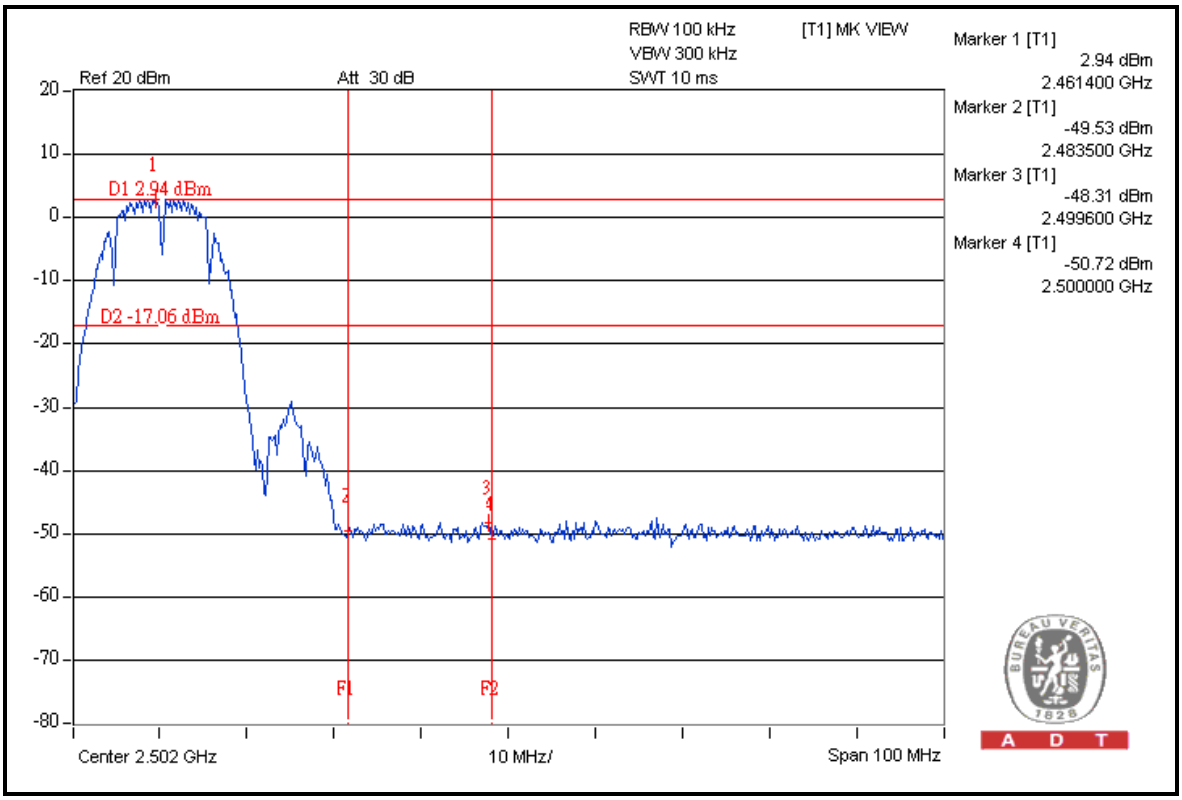
NOTE:

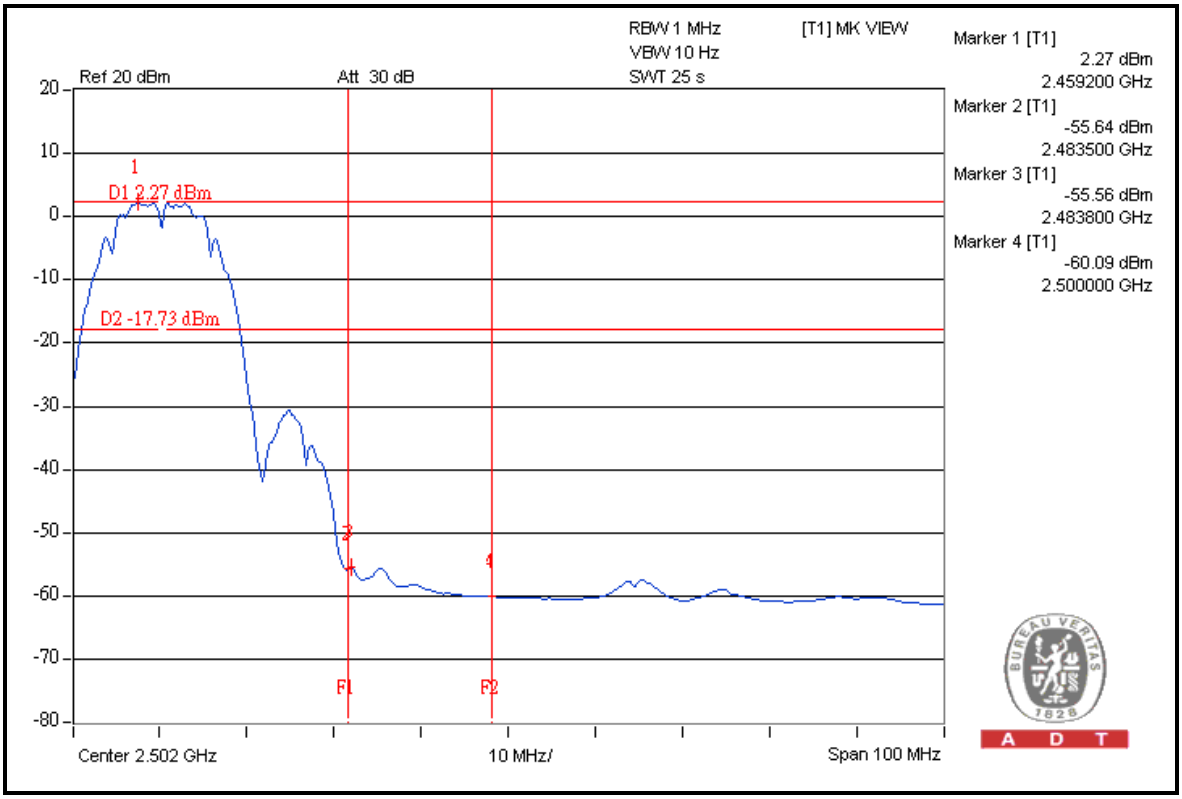
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

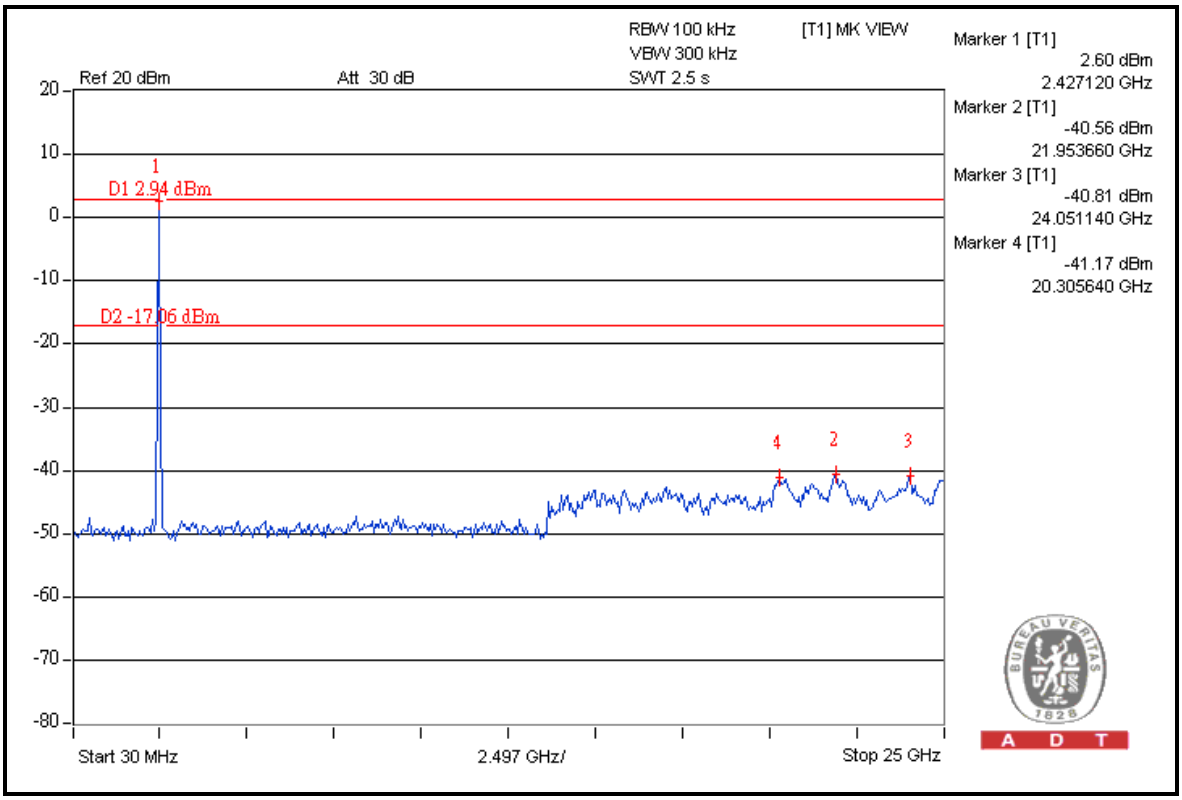

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
D1 2.77 dBm
D2 -17.23 dBm
Marker 1 [T1]
2.77 dBm
2.413200 GHz
Marker 2 [T1]
-42.80 dBm
2.400000 GHz
Marker 3 [T1]
-30.93 dBm
2.397200 GHz
Marker 4 [T1]
-48.84 dBm
2.390000 GHz
Marker 5 [T1]
-46.49 dBm
2.329000 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
D1 2.08 dBm
D2 -17.92 dBm
Marker 1 [T1]
2.08 dBm
2.411400 GHz
Marker 2 [T1]
-40.01 dBm
2.400000 GHz
Marker 3 [T1]
-32.15 dBm
2.397400 GHz
Marker 4 [T1]
-54.26 dBm
2.390000 GHz
Marker 5 [T1]
-53.42 dBm
2.386400 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
D1 2.77 dBm
D2 -17.23 dBm
Marker 1 [T1]
2.53 dBm
2.377180 GHz
Marker 2 [T1]
-40.17 dBm
24.051140 GHz
Marker 3 [T1]
-40.32 dBm
20.205760 GHz
Marker 4 [T1]
-40.86 dBm
24.151020 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
D1 2.94 dBm
D2 -17.06 dBm
Marker 1 [T1]
2.94 dBm
2.461400 GHz
Marker 2 [T1]
-49.53 dBm
2.483500 GHz
Marker 3 [T1]
-48.31 dBm
2.499600 GHz
Marker 4 [T1]
-50.72 dBm
2.500000 GHz
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
2.27 dBm
2.459200 GHz
Marker 2 [T1]
-55.64 dBm
2.483500 GHz
Marker 3 [T1]
-55.56 dBm
2.483800 GHz
Marker 4 [T1]
-60.09 dBm
2.500000 GHz
D1 2.27 dBm
D2 -17.73 dBm
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
2.60 dBm
2.427120 GHz
Marker 2 [T1]
-40.56 dBm
21.953660 GHz
Marker 3 [T1]
-40.81 dBm
24.051140 GHz
Marker 4 [T1]
-41.17 dBm
20.305640 GHz
D1 2.94 dBm
D2 -17.06 dBm
Start 30 MHz
2.497 GHz/
Stop 25 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)	107.5	43.4	64.1	74.00
2412.00 (AV)	90.2	37.9	52.3	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)	106.6	42.4	64.2	74.00
2462.00 (AV)	89.4	37.7	51.7	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)

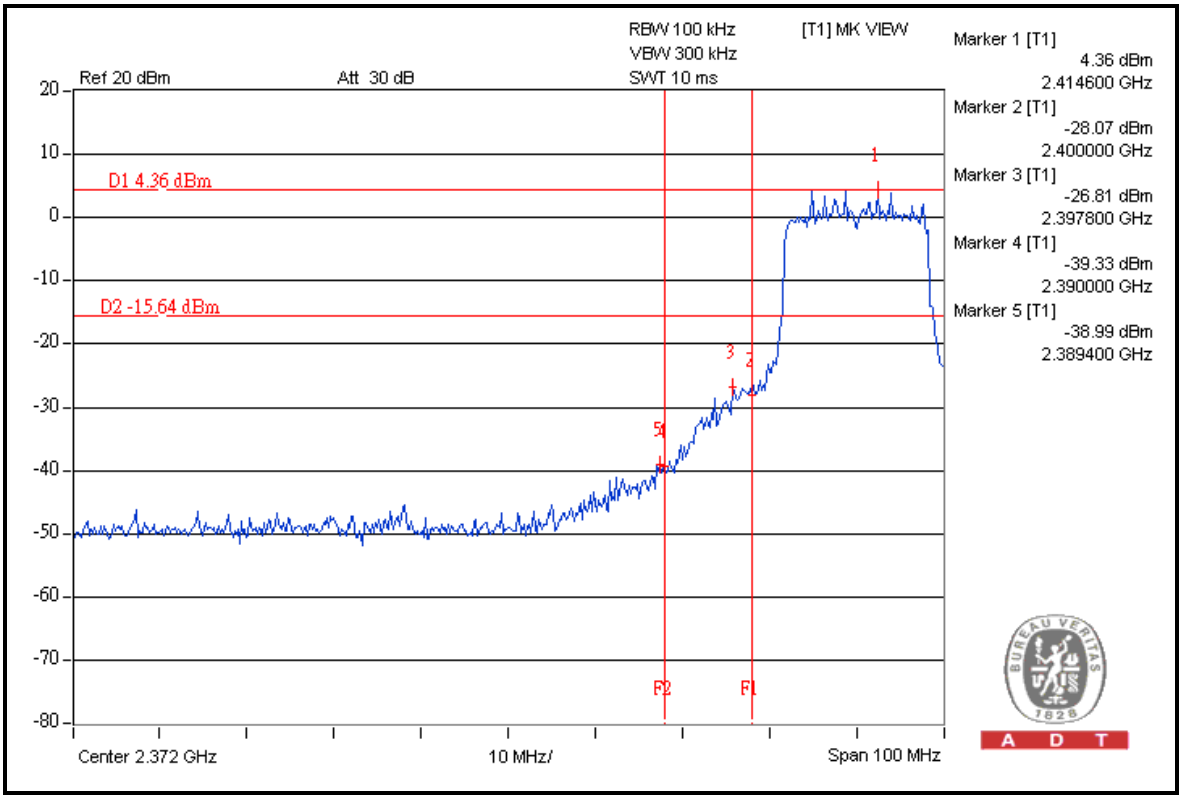
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	105.2	43.4	61.8	74.00
2412.00 (AV)	87.5	37.9	49.6	54.00

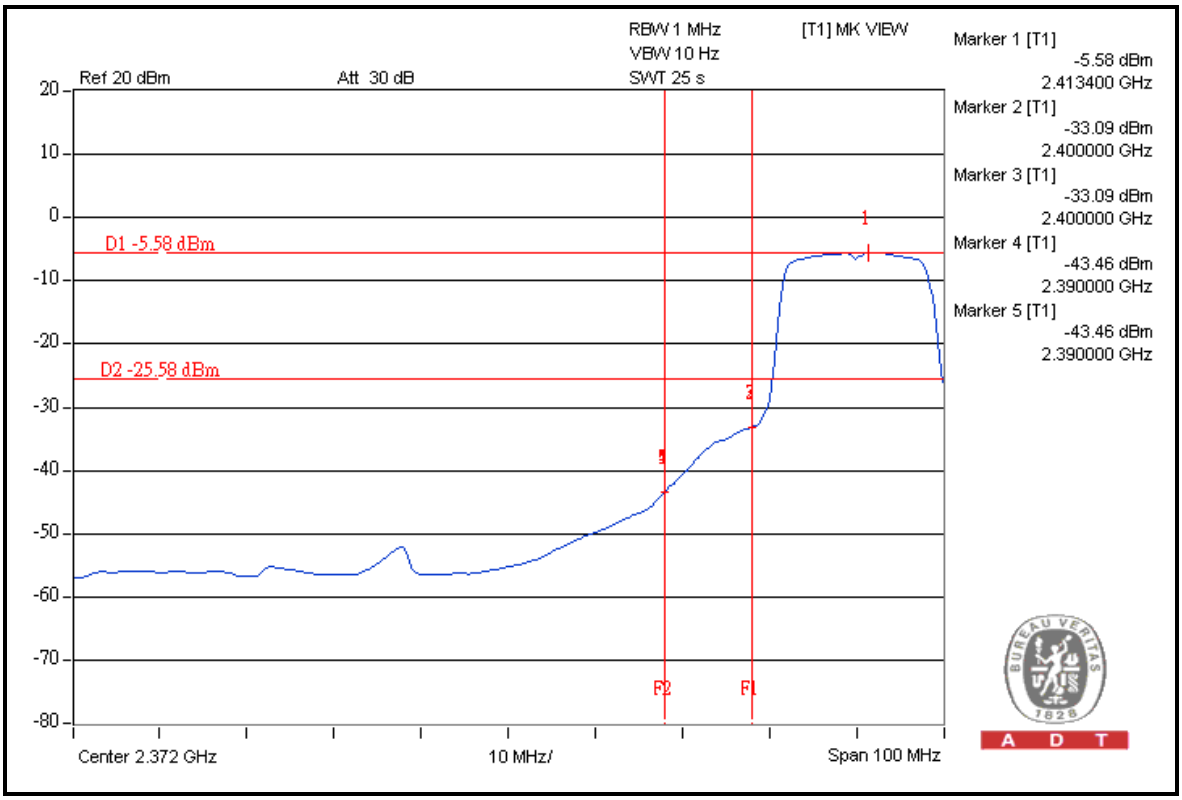
RESTRICT BAND (2483.5 ~ 2500 MHz)

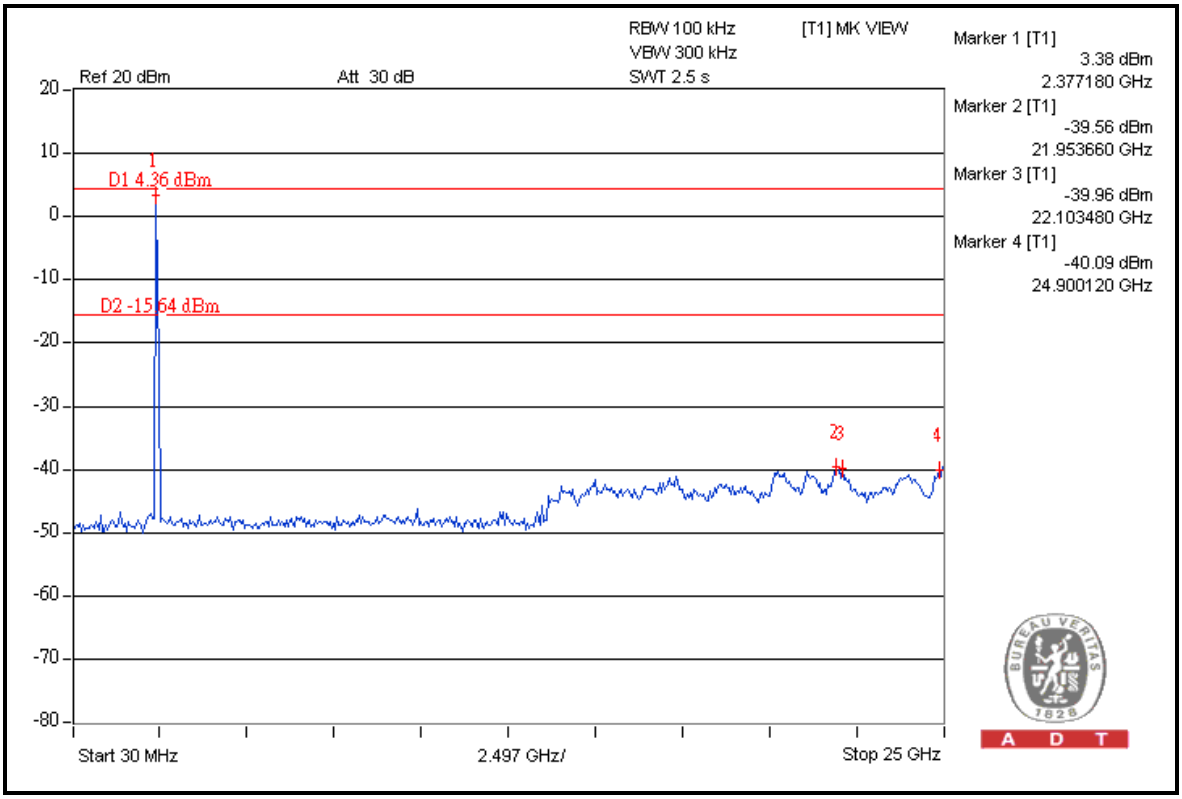
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	105.4	42.4	63.0	74.00
2462.00 (AV)	86.1	37.7	48.4	54.00

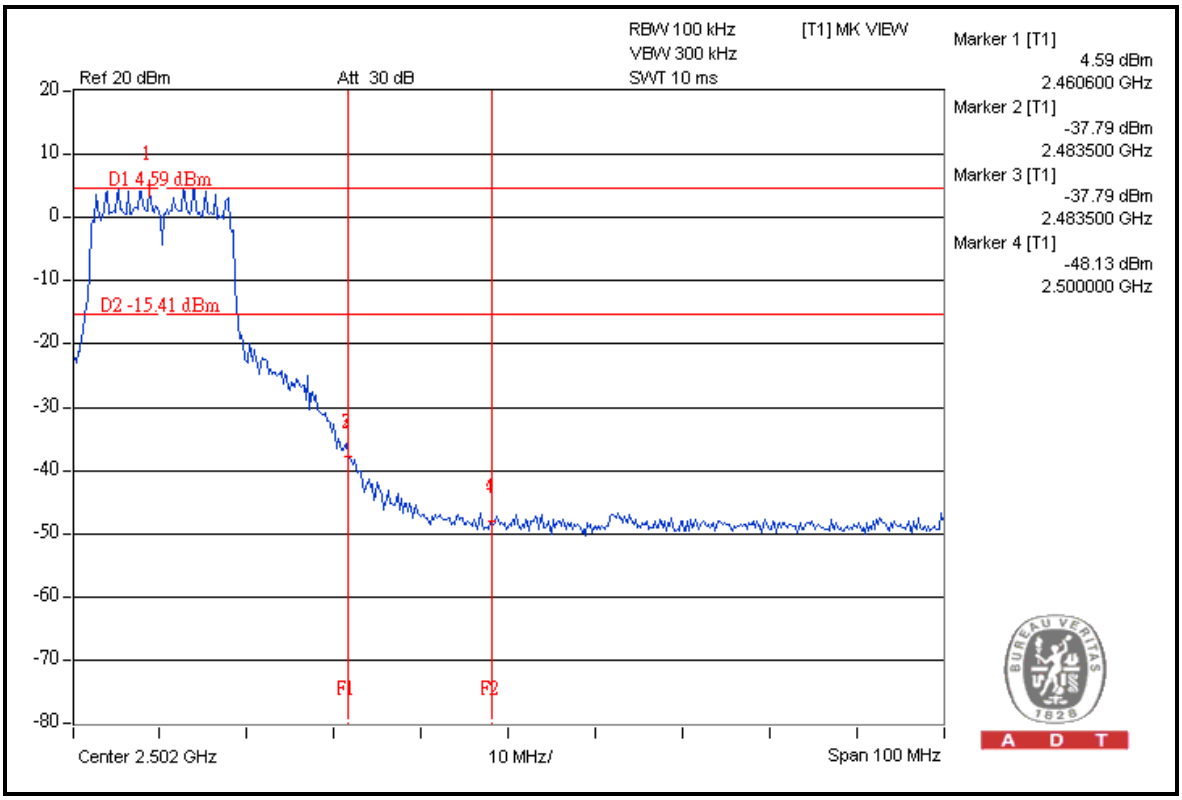
NOTE:

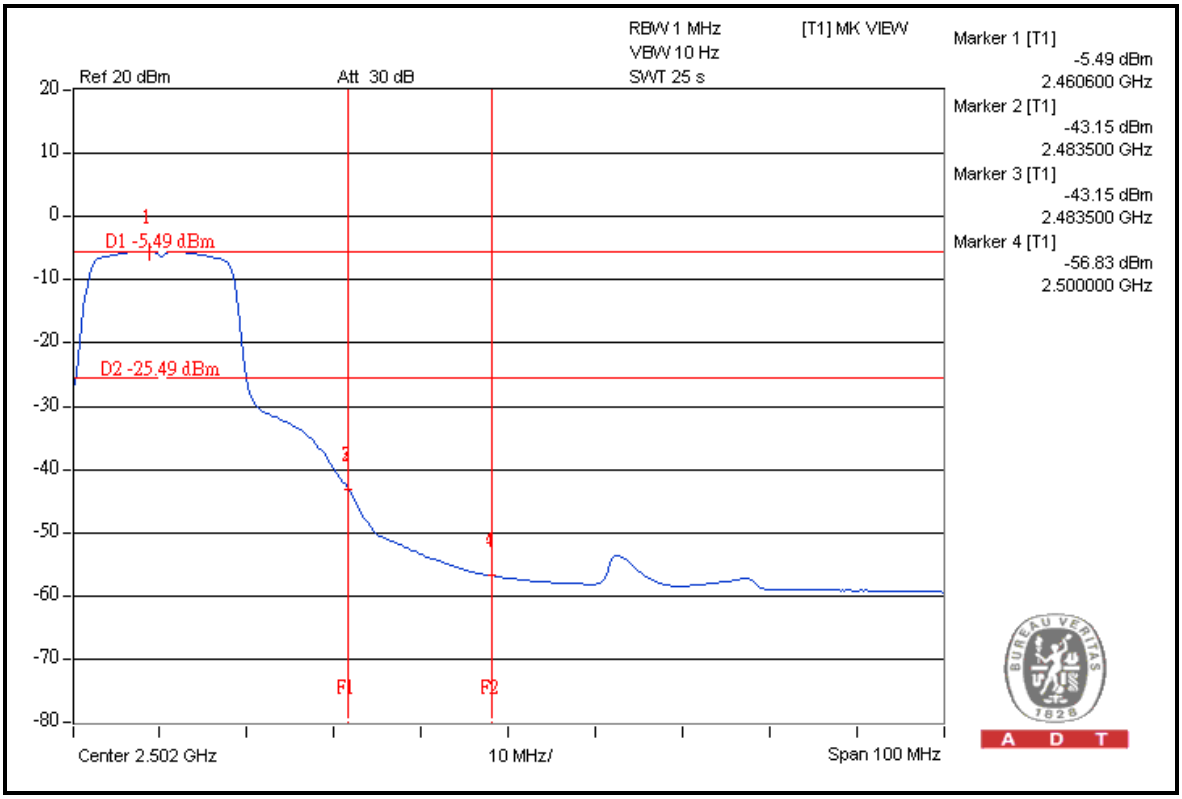
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

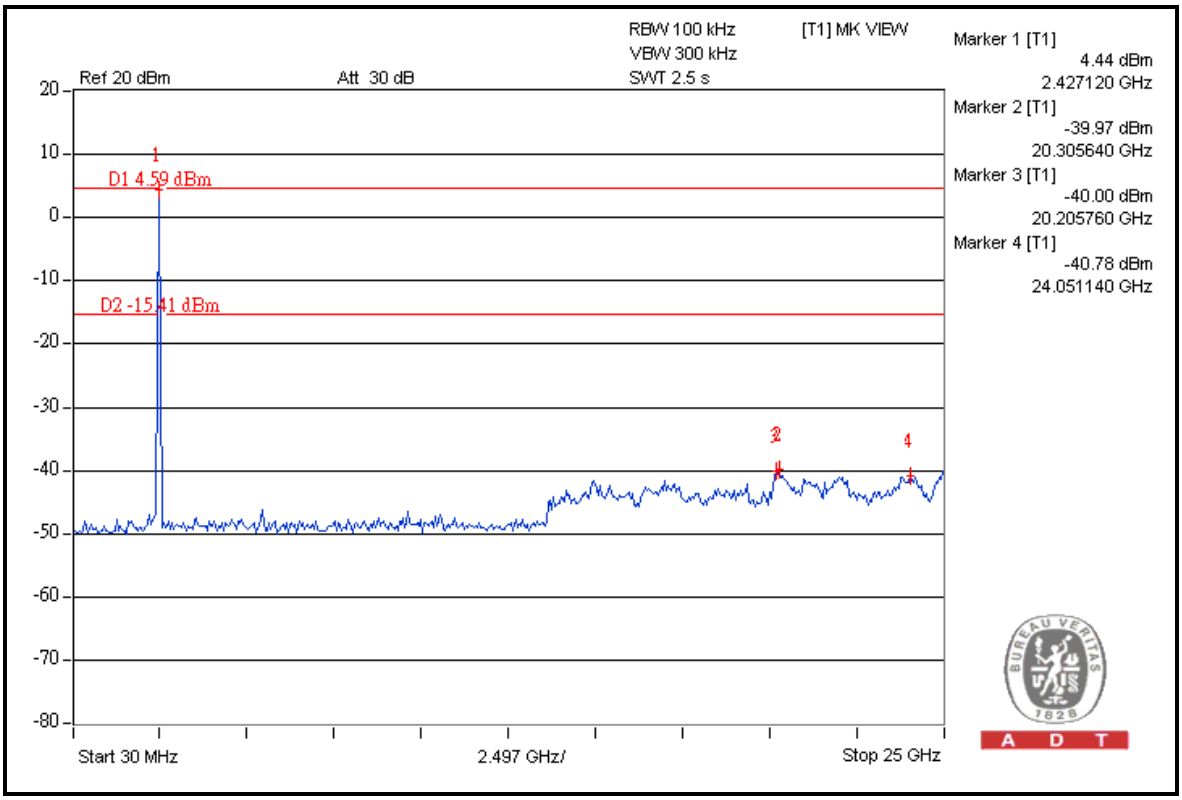

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
D1 4.36 dBm
D2 -15.64 dBm
Marker 1 [T1]
4.36 dBm
2.414600 GHz
Marker 2 [T1]
-28.07 dBm
2.400000 GHz
Marker 3 [T1]
-26.81 dBm
2.397800 GHz
Marker 4 [T1]
-39.33 dBm
2.390000 GHz
Marker 5 [T1]
-38.99 dBm
2.389400 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
D1 -5.58 dBm
D2 -25.58 dBm
Marker 1 [T1]
-5.58 dBm
2.413400 GHz
Marker 2 [T1]
-33.09 dBm
2.400000 GHz
Marker 3 [T1]
-33.09 dBm
2.400000 GHz
Marker 4 [T1]
-43.46 dBm
2.390000 GHz
Marker 5 [T1]
-43.46 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 20 dBm
Att 30 dB
D1 4.36 dBm
D2 -15.64 dBm
Marker 1 [T1]
3.38 dBm
2.377180 GHz
Marker 2 [T1]
-39.56 dBm
21.953660 GHz
Marker 3 [T1]
-39.96 dBm
22.103480 GHz
Marker 4 [T1]
-40.09 dBm
24.900120 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
D1 4.59 dBm
D2 -15.41 dBm
Marker 1 [T1]
4.59 dBm
2.460600 GHz
Marker 2 [T1]
-37.79 dBm
2.483500 GHz
Marker 3 [T1]
-37.79 dBm
2.483500 GHz
Marker 4 [T1]
-48.13 dBm
2.500000 GHz
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-5.49 dBm
2.460600 GHz
Marker 2 [T1]
-43.15 dBm
2.483500 GHz
Marker 3 [T1]
-43.15 dBm
2.483500 GHz
Marker 4 [T1]
-56.83 dBm
2.500000 GHz
D1 -5.49 dBm
D2 -25.49 dBm
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
4.44 dBm
2.427120 GHz
Marker 2 [T1]
-39.97 dBm
20.305640 GHz
Marker 3 [T1]
-40.00 dBm
20.205760 GHz
Marker 4 [T1]
-40.78 dBm
24.051140 GHz
D1 4.59 dBm
D2 -15.41 dBm
Start 30 MHz
2.497 GHz/
Stop 25 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)	107.6	50.5	57.1	74.00
2412.00 (AV)	88.7	37.9	50.8	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)	108.8	52.3	56.5	74.00
2462.00 (AV)	89.5	39.8	49.7	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 2 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)	106.6	47.8	58.8	74.00
2412.00 (AV)	86.8	36.8	50.0	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

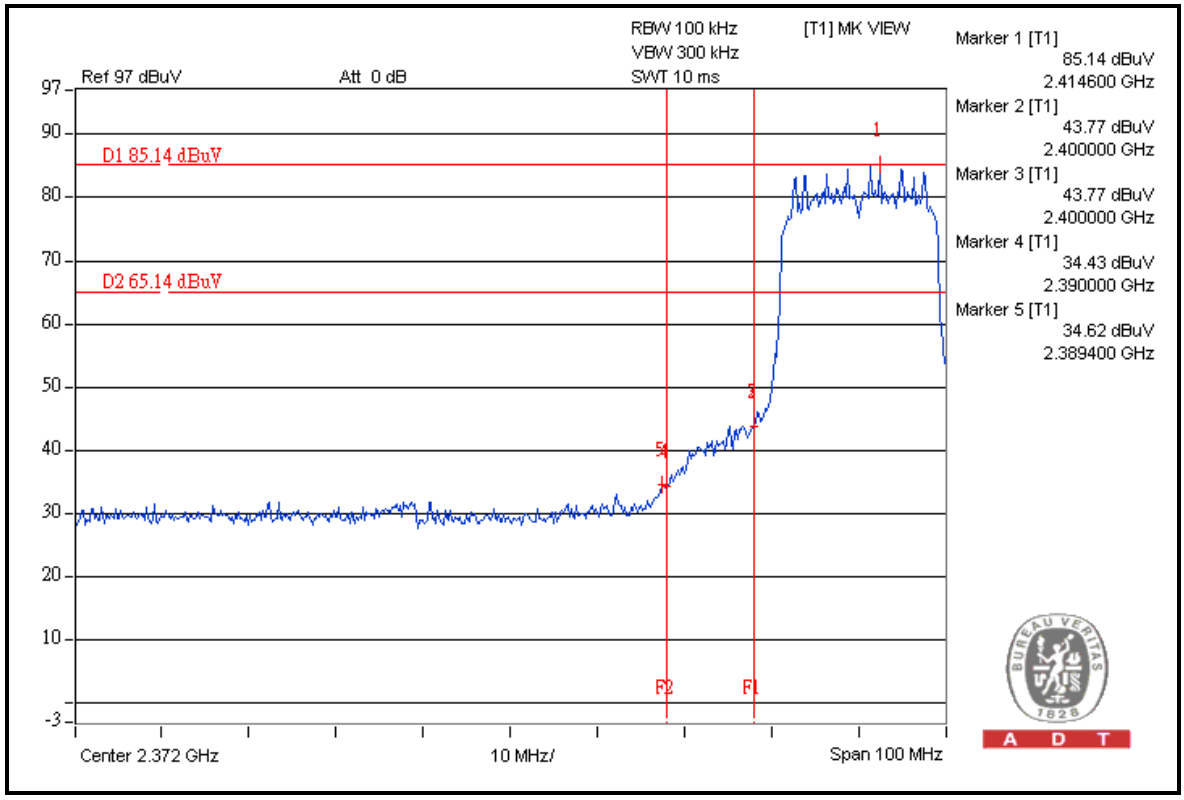
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	107.3	51.6	55.7	74.00
2462.00 (AV)	88.1	41.4	46.7	54.00

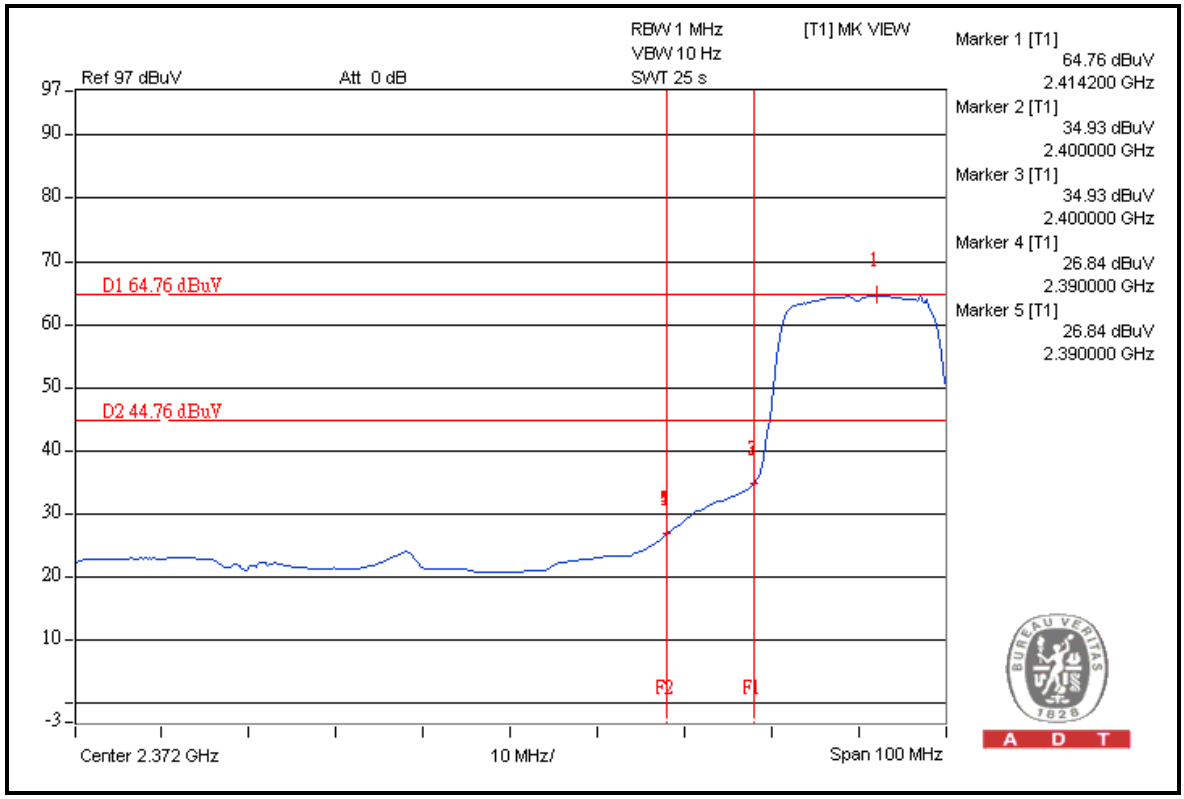
NOTE:

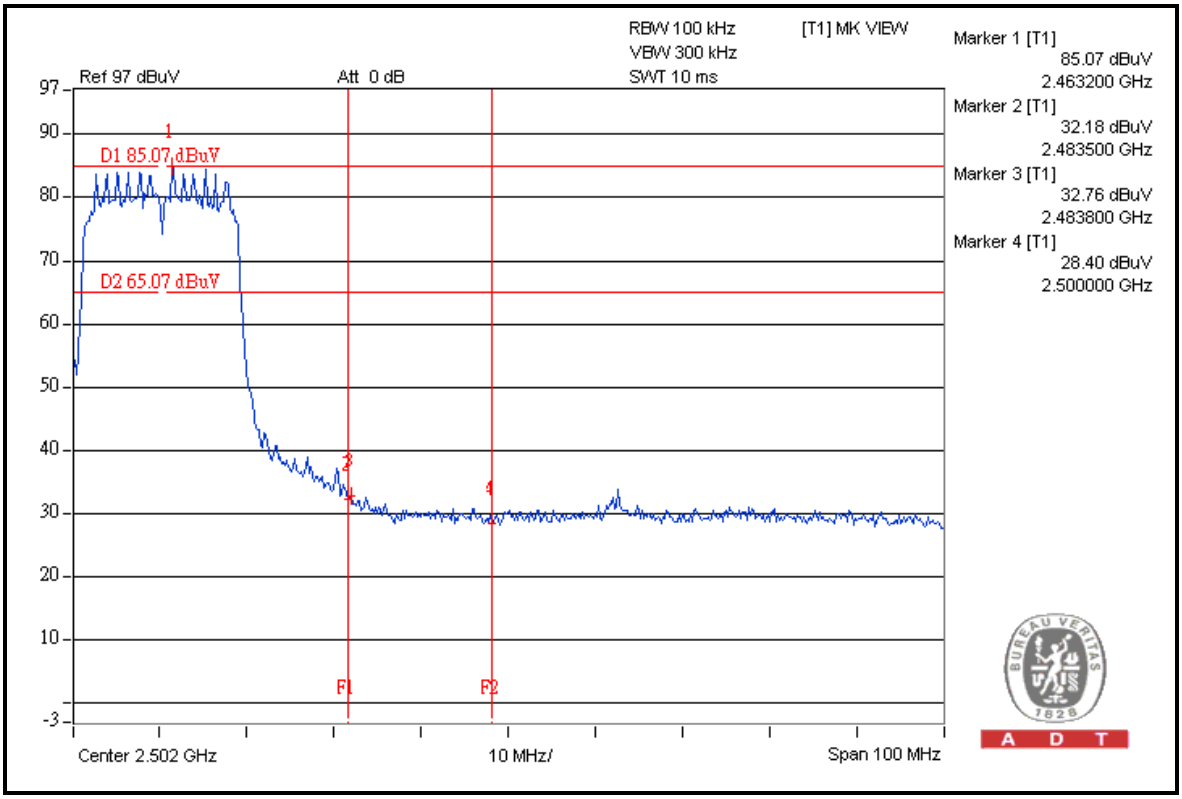
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 2 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

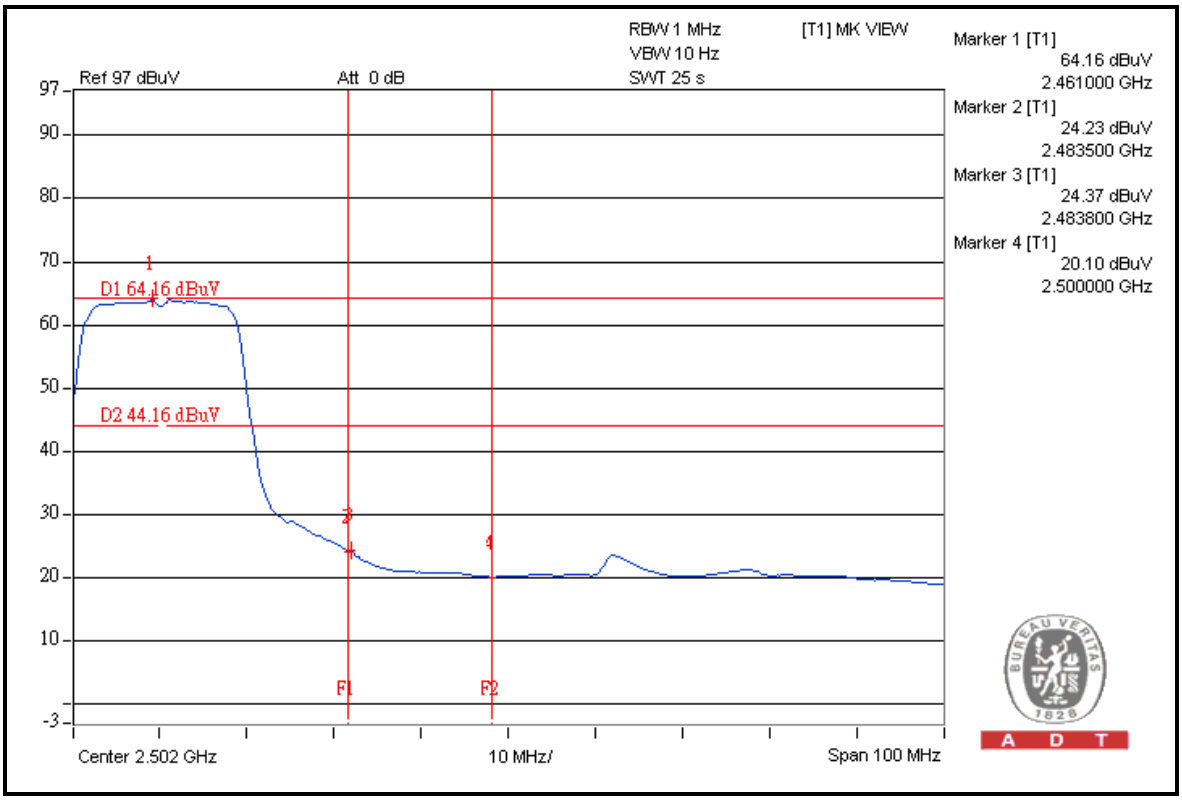
FOR RADIATED MEASURED (TWO CHAINS ON)

TEST MODE A:

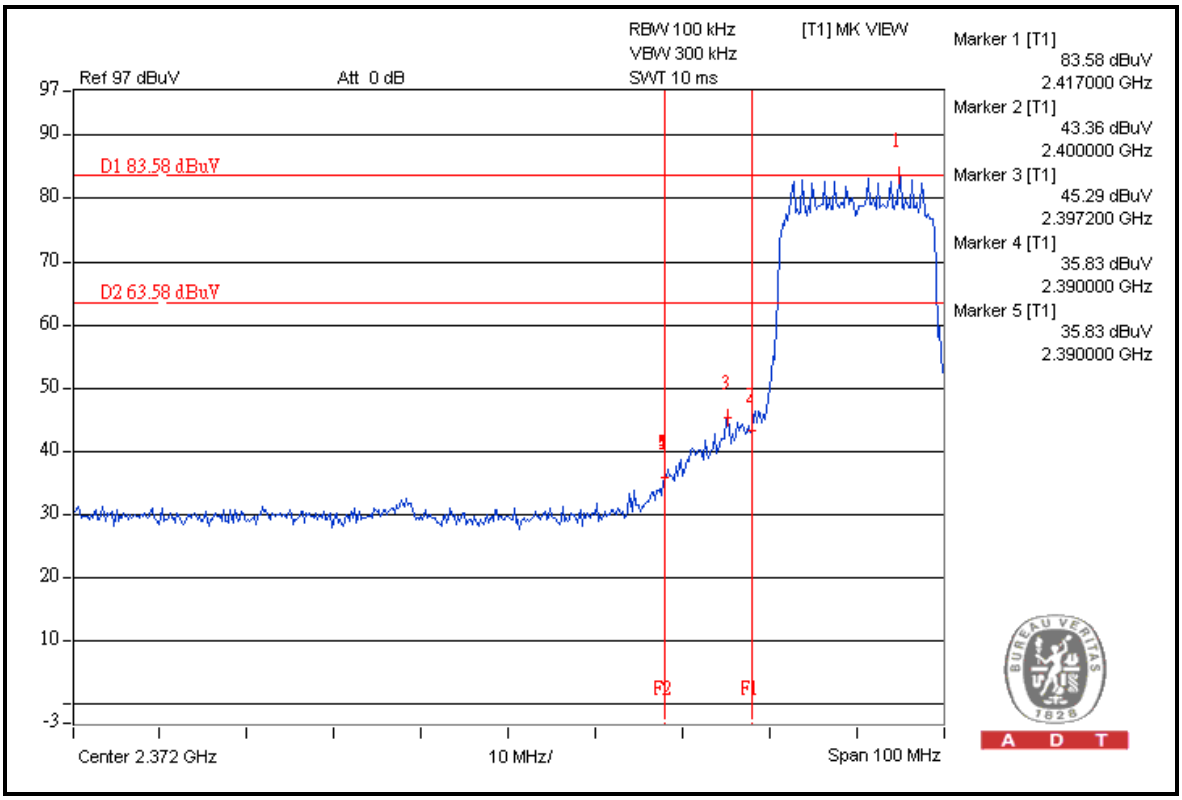


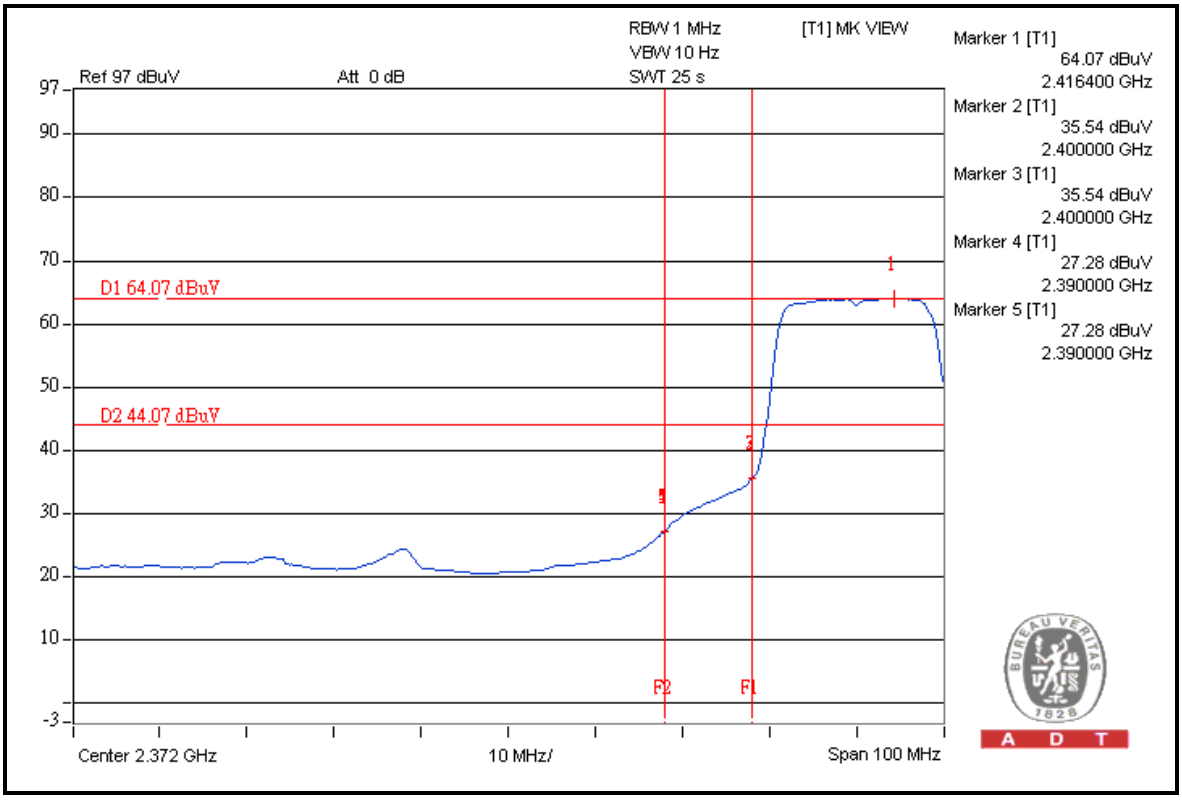


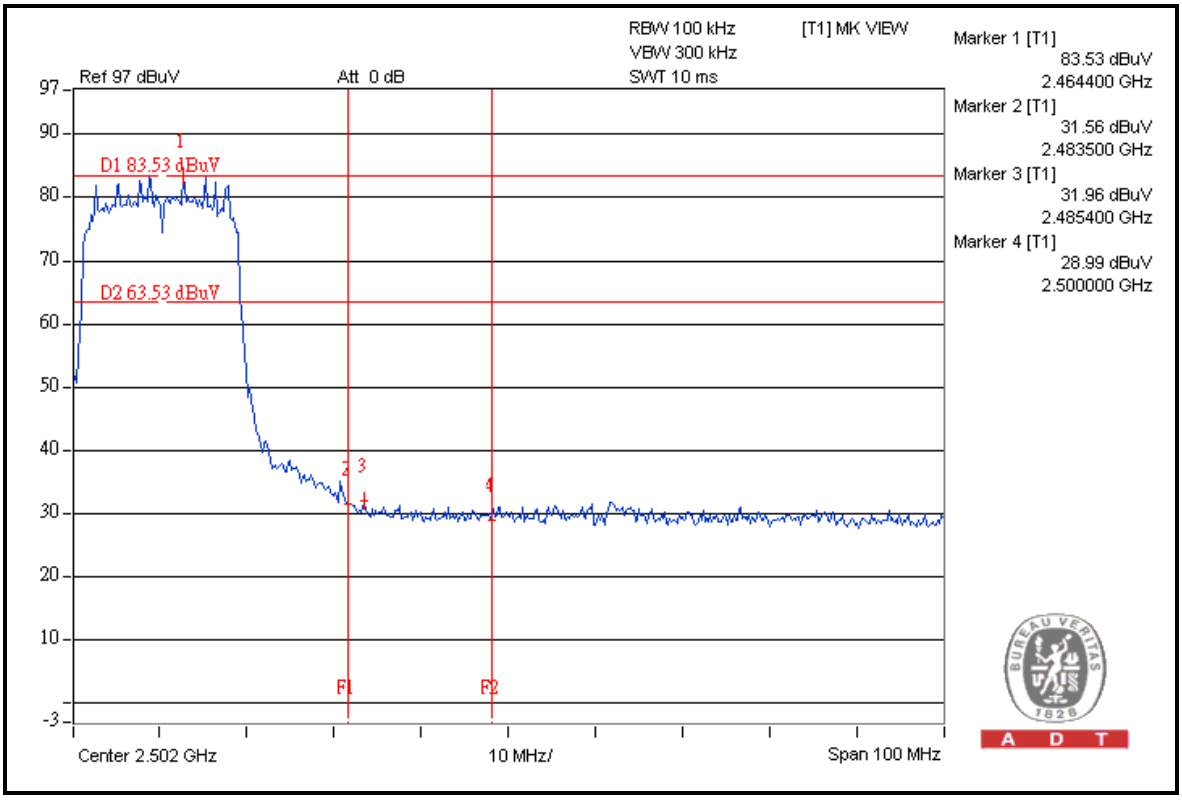

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 85.07 dBuV
D2 65.07 dBuV
Marker 1 [T1]
85.07 dBuV
2.463200 GHz
Marker 2 [T1]
32.18 dBuV
2.483500 GHz
Marker 3 [T1]
32.76 dBuV
2.483800 GHz
Marker 4 [T1]
28.40 dBuV
2.500000 GHz
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz

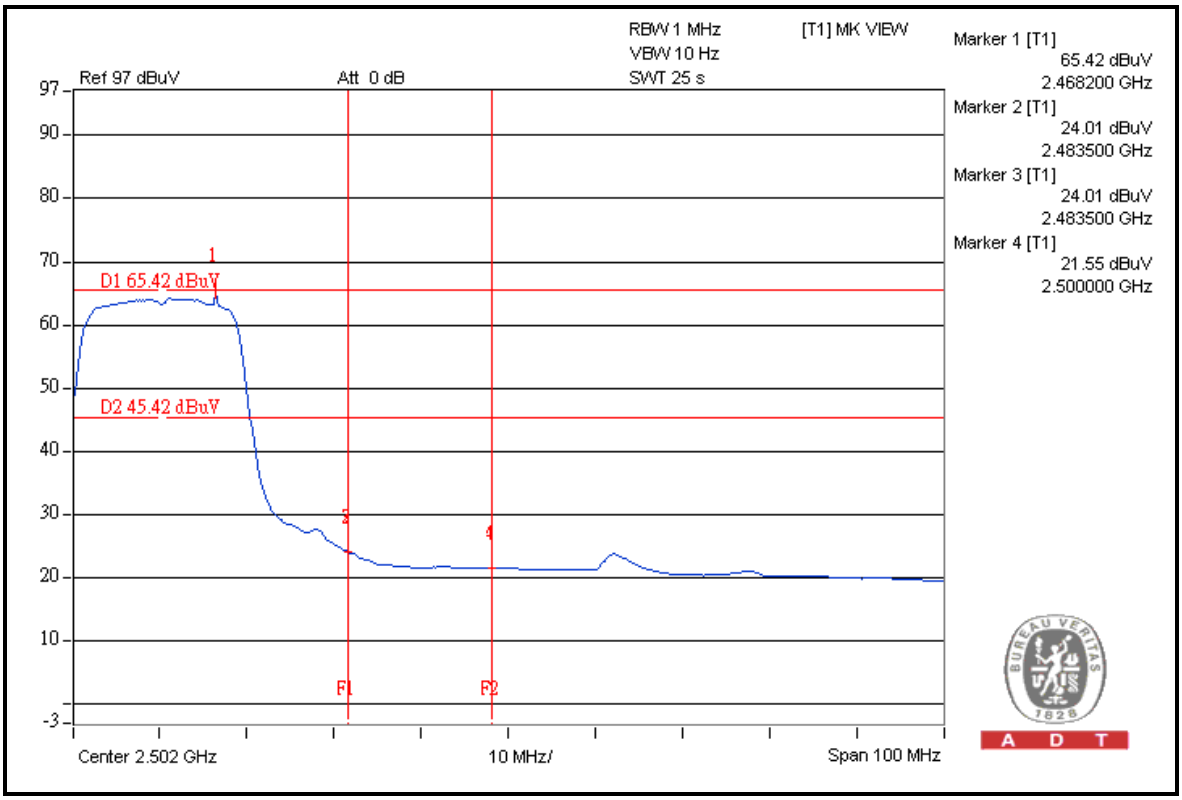

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 64.16 dBuV
D2 44.16 dBuV
Marker 1 [T1]
64.16 dBuV
2.461000 GHz
Marker 2 [T1]
24.23 dBuV
2.483500 GHz
Marker 3 [T1]
24.37 dBuV
2.483800 GHz
Marker 4 [T1]
20.10 dBuV
2.500000 GHz
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz

TEST MODE B:


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 83.58 dBuV
D2 63.58 dBuV
Marker 1 [T1]
83.58 dBuV
2.417000 GHz
Marker 2 [T1]
43.36 dBuV
2.400000 GHz
Marker 3 [T1]
45.29 dBuV
2.397200 GHz
Marker 4 [T1]
35.83 dBuV
2.390000 GHz
Marker 5 [T1]
35.83 dBuV
2.390000 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz

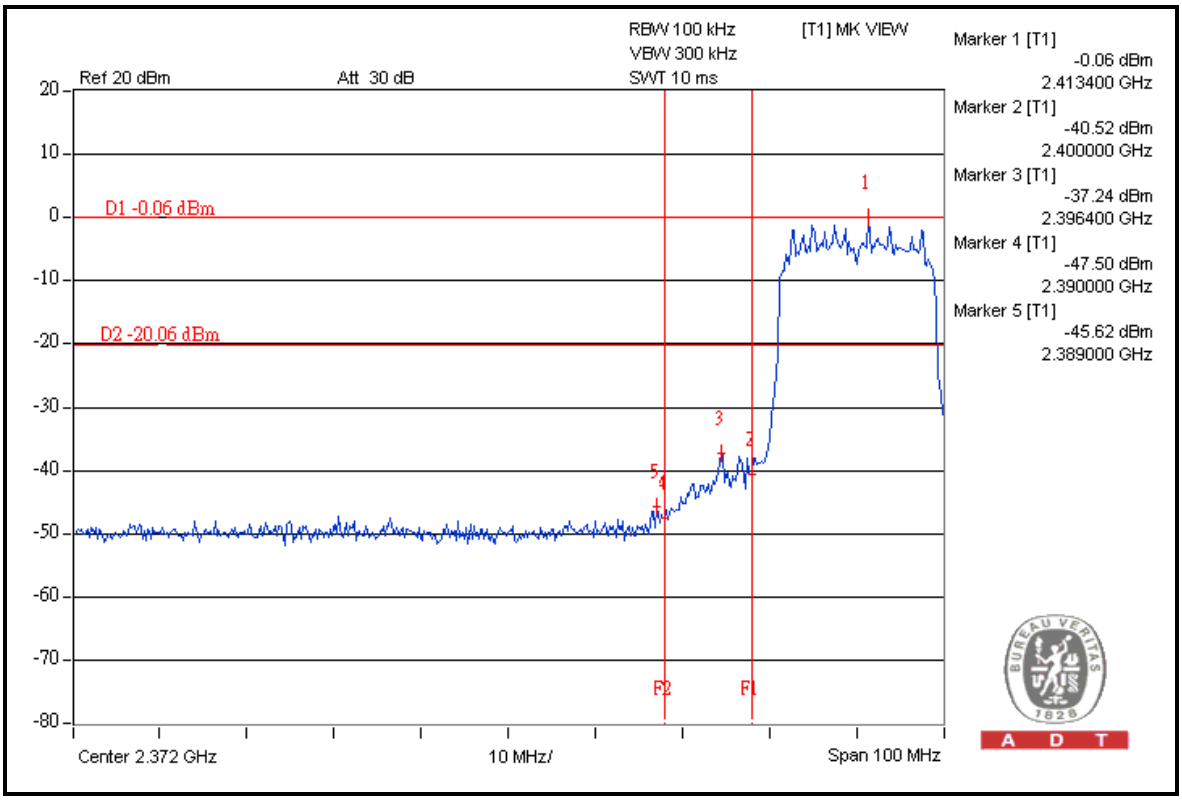

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 64.07 dBuV
D2 44.07 dBuV
Marker 1 [T1]
64.07 dBuV
2.416400 GHz
Marker 2 [T1]
35.54 dBuV
2.400000 GHz
Marker 3 [T1]
35.54 dBuV
2.400000 GHz
Marker 4 [T1]
27.28 dBuV
2.390000 GHz
Marker 5 [T1]
27.28 dBuV
2.390000 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz

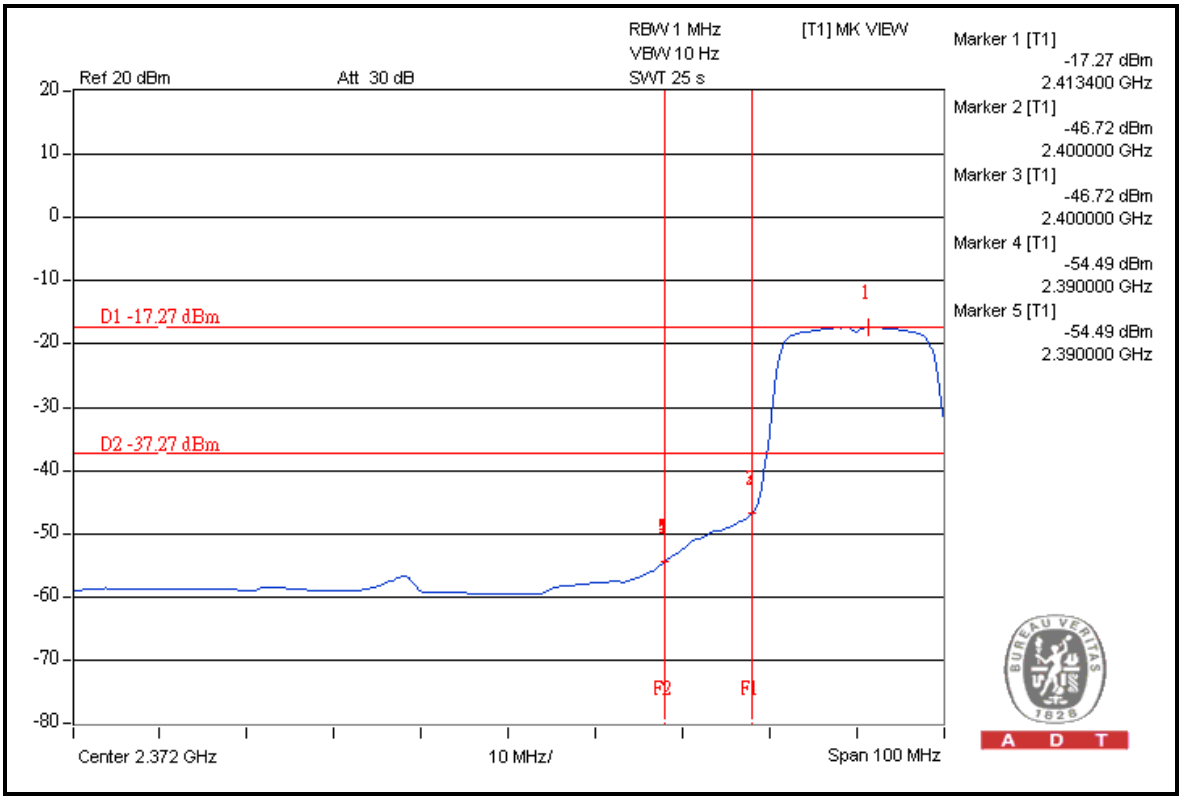

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 83.53 dBuV
D2 63.53 dBuV
Marker 1 [T1]
83.53 dBuV
2.464400 GHz
Marker 2 [T1]
31.56 dBuV
2.483500 GHz
Marker 3 [T1]
31.96 dBuV
2.485400 GHz
Marker 4 [T1]
28.99 dBuV
2.500000 GHz
Center 2.502 GHz
10 MHz/
Span 100 MHz

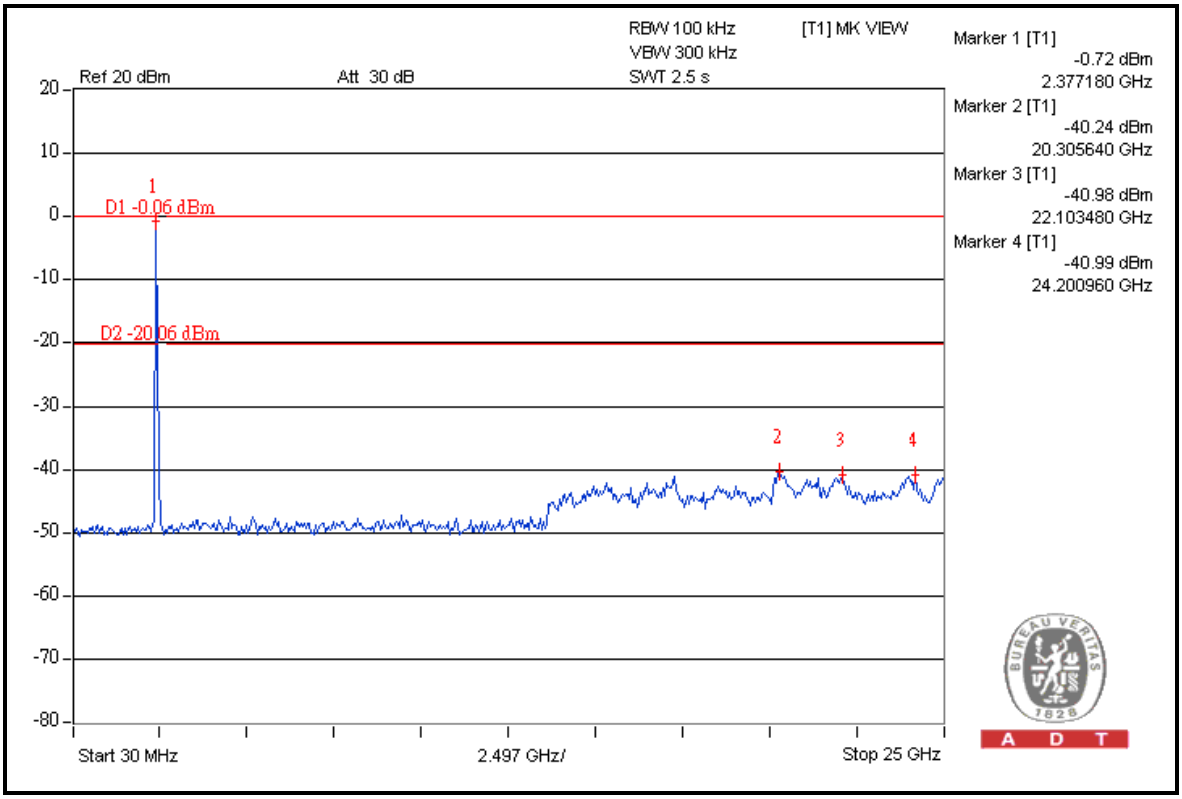

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 65.42 dBuV
D2 45.42 dBuV
Marker 1 [T1]
65.42 dBuV
2.468200 GHz
Marker 2 [T1]
24.01 dBuV
2.483500 GHz
Marker 3 [T1]
24.01 dBuV
2.483500 GHz
Marker 4 [T1]
21.55 dBuV
2.500000 GHz
Center 2.502 GHz
10 MHz/
Span 100 MHz

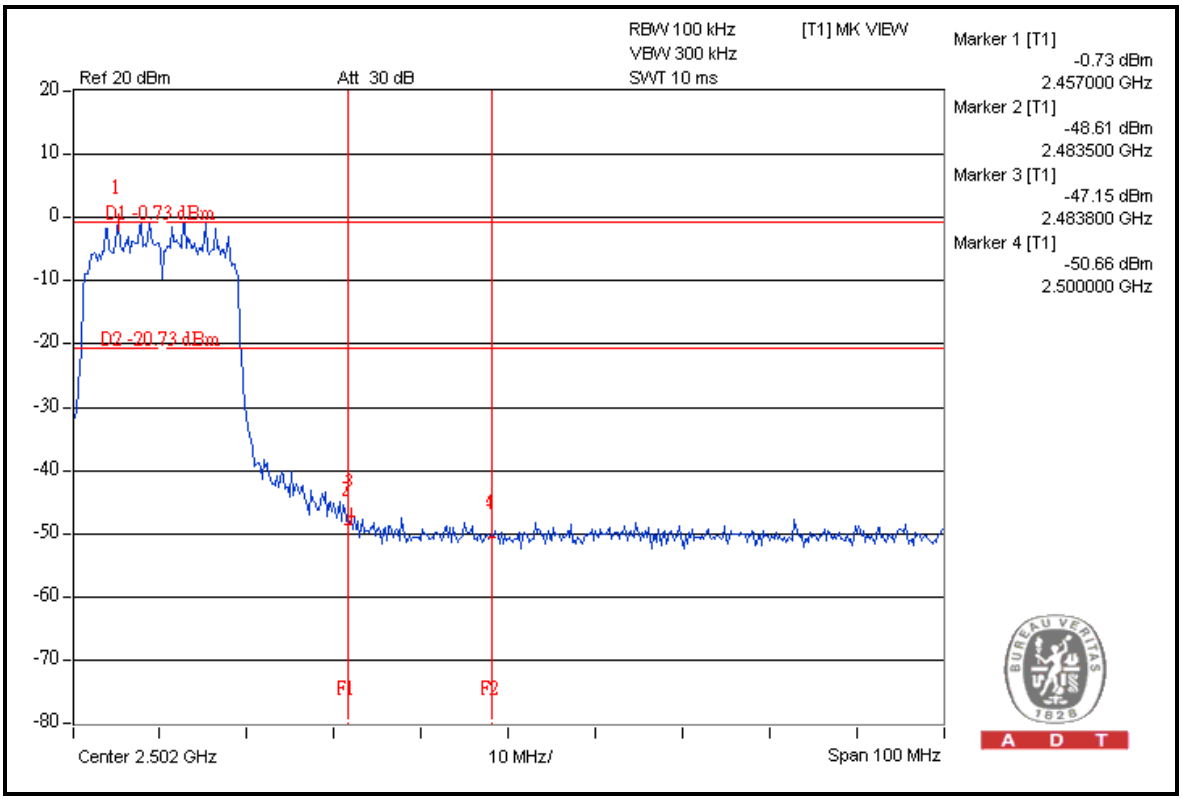
FOR CONDUCTED MEASURED

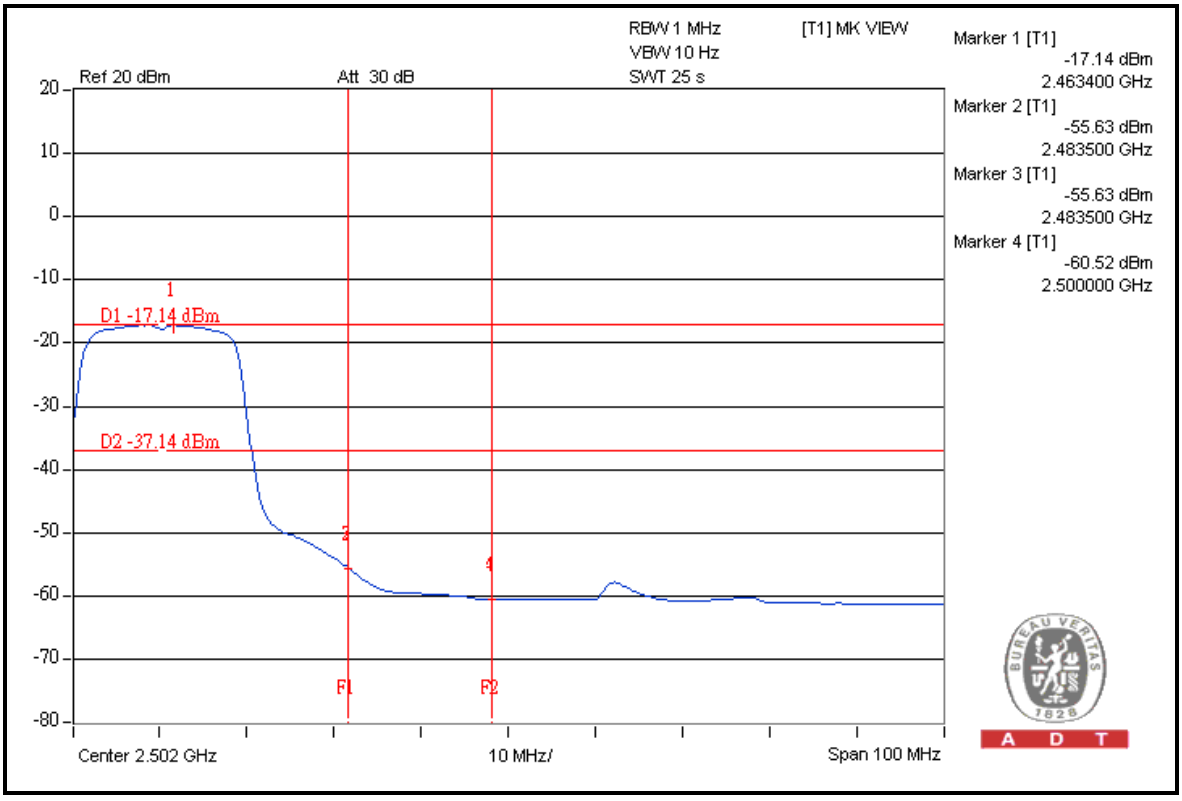
TEST MODE A: CHAIN 0

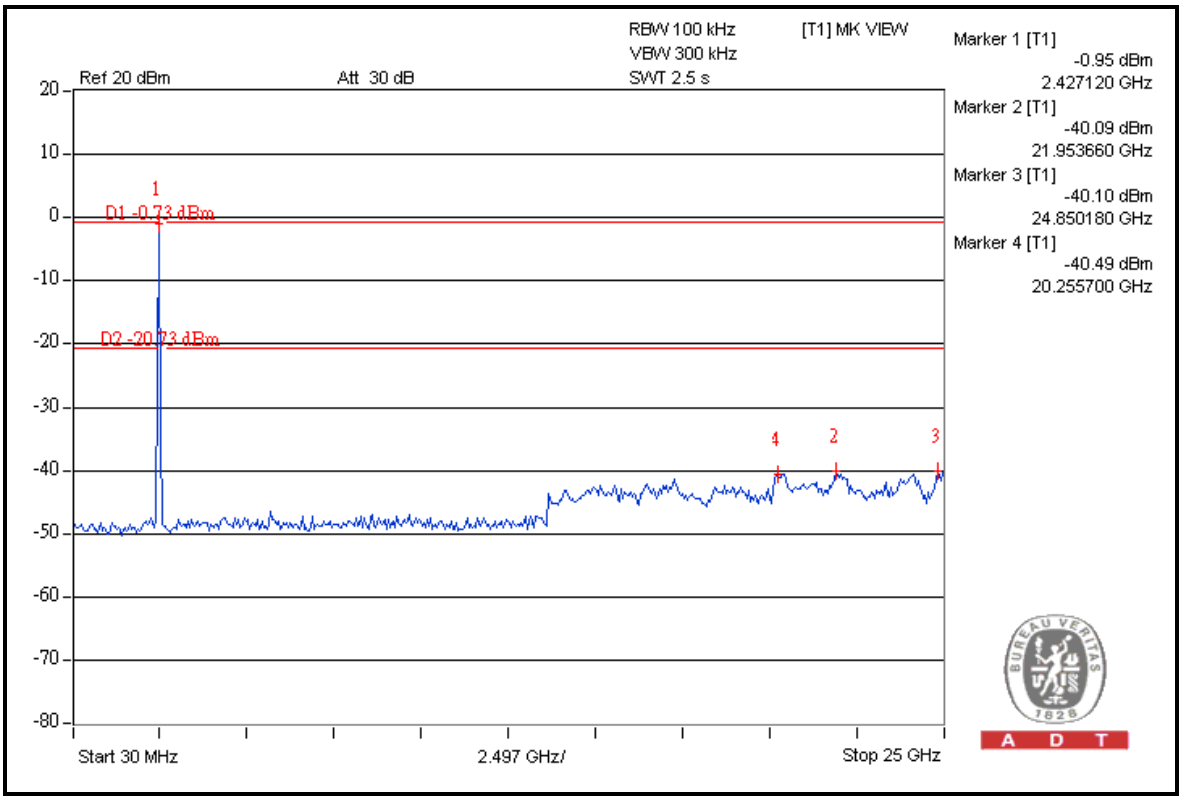




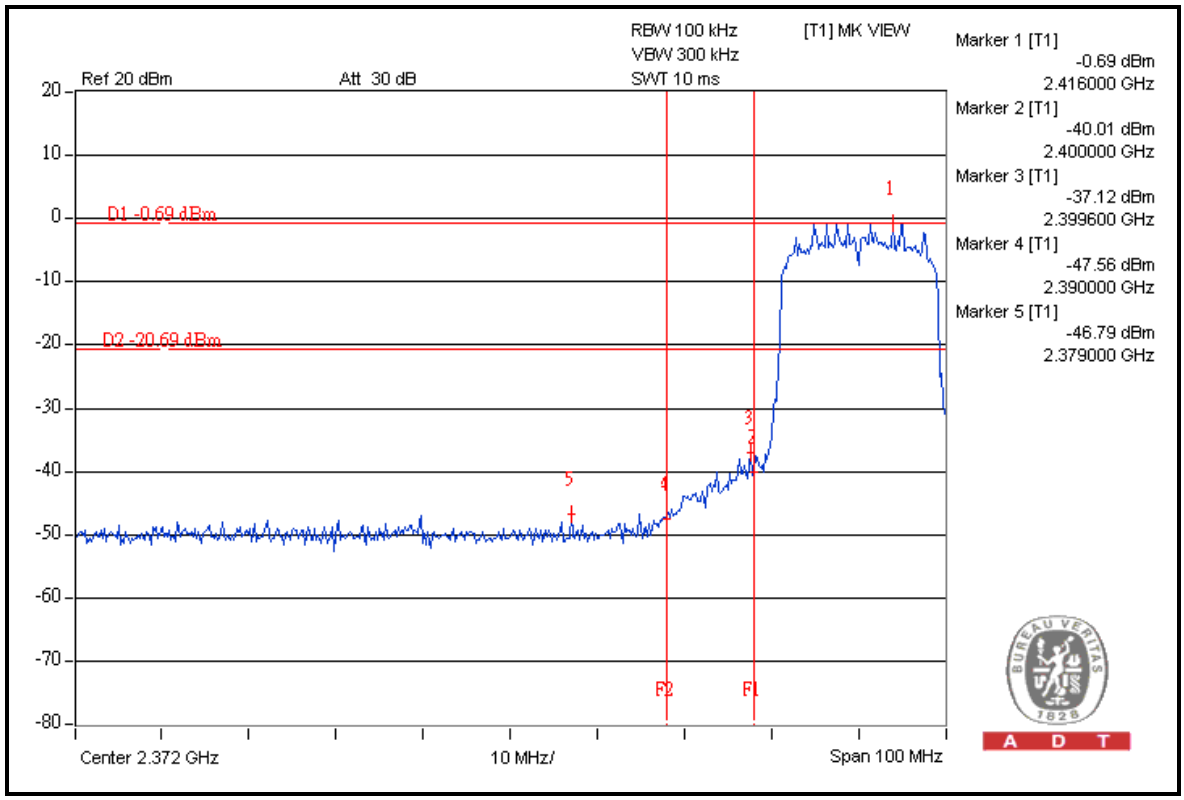

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-0.72 dBm
2.377180 GHz
Marker 2 [T1]
-40.24 dBm
20.305640 GHz
Marker 3 [T1]
-40.98 dBm
22.103480 GHz
Marker 4 [T1]
-40.99 dBm
24.200960 GHz
D1 -0.06 dBm
D2 -20.06 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

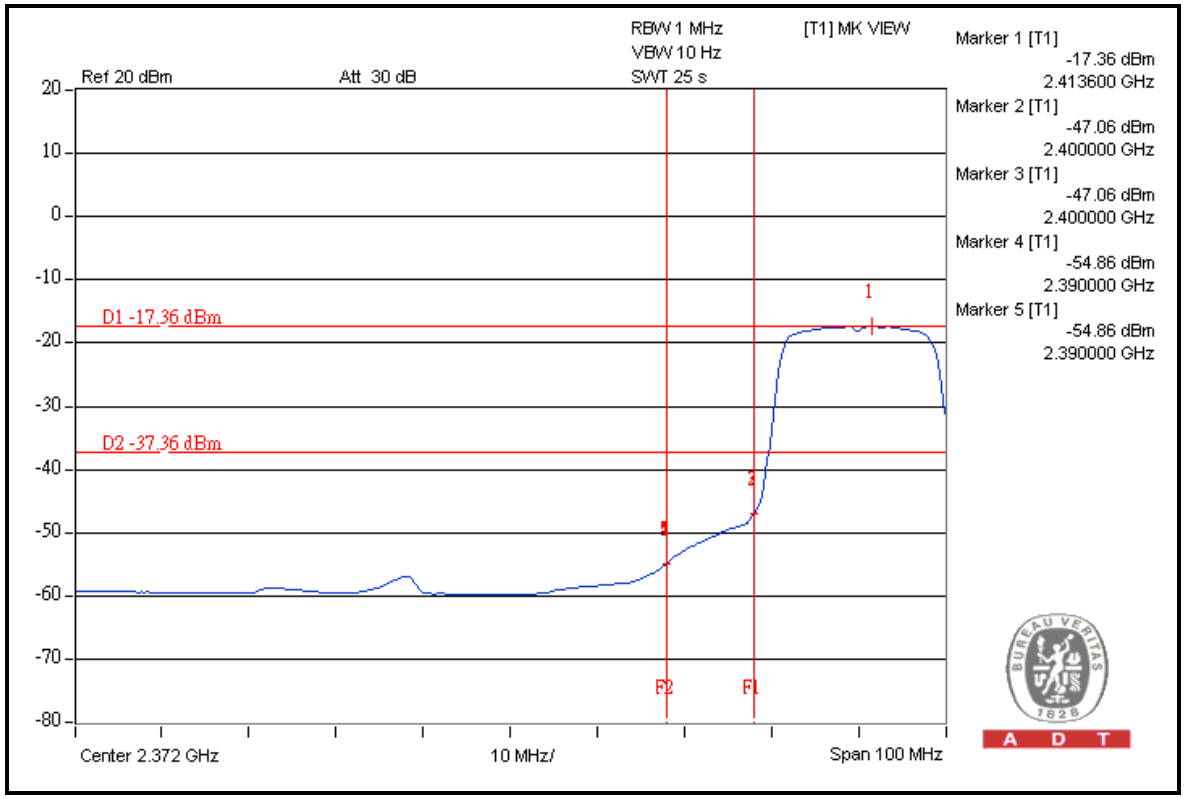

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-0.73 dBm
2.457000 GHz
Marker 2 [T1]
-48.61 dBm
2.483500 GHz
Marker 3 [T1]
-47.15 dBm
2.483800 GHz
Marker 4 [T1]
-50.66 dBm
2.500000 GHz
D1 -0.73 dBm
D2 -20.73 dBm
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz

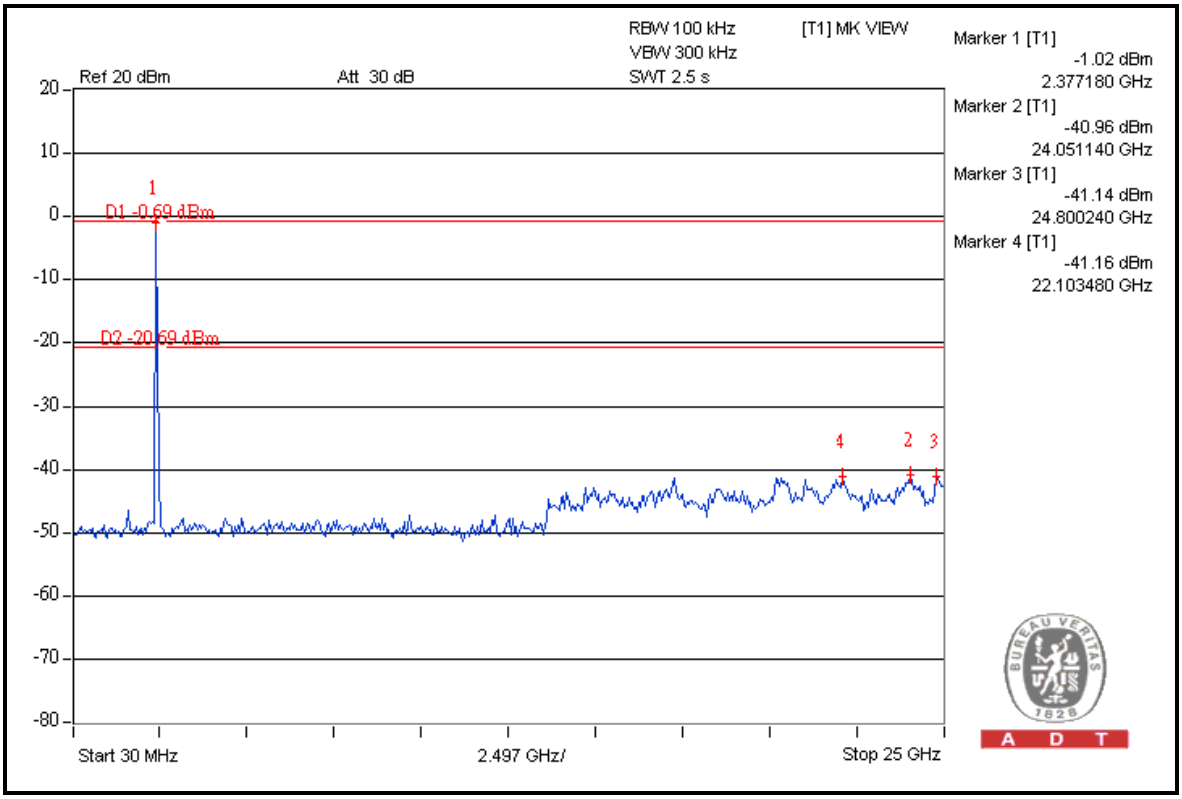

RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-17.14 dBm
2.463400 GHz
Marker 2 [T1]
-55.63 dBm
2.483500 GHz
Marker 3 [T1]
-55.63 dBm
2.483500 GHz
Marker 4 [T1]
-60.52 dBm
2.500000 GHz
D1 -17.14 dBm
D2 -37.14 dBm
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz

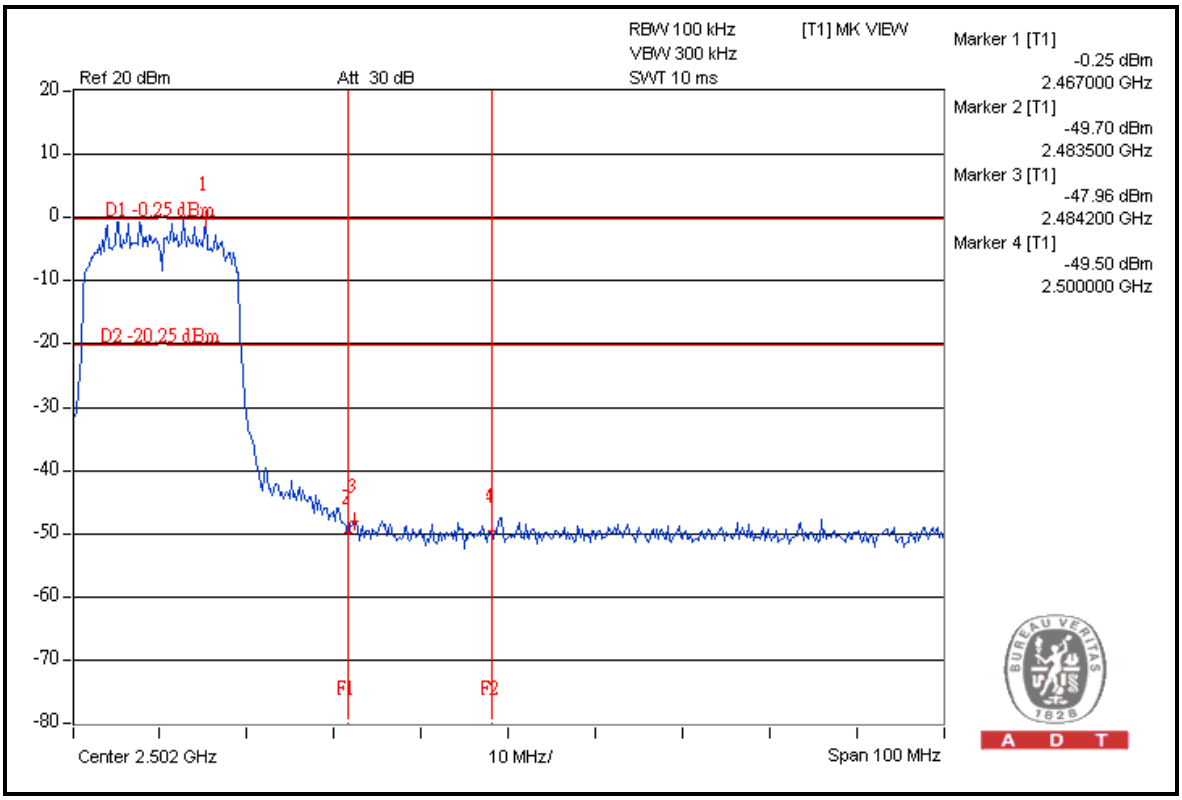

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-0.95 dBm
2.427120 GHz
Marker 2 [T1]
-40.09 dBm
21.953660 GHz
Marker 3 [T1]
-40.10 dBm
24.850180 GHz
Marker 4 [T1]
-40.49 dBm
20.255700 GHz
D1 -0.73 dBm
D2 -20.73 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

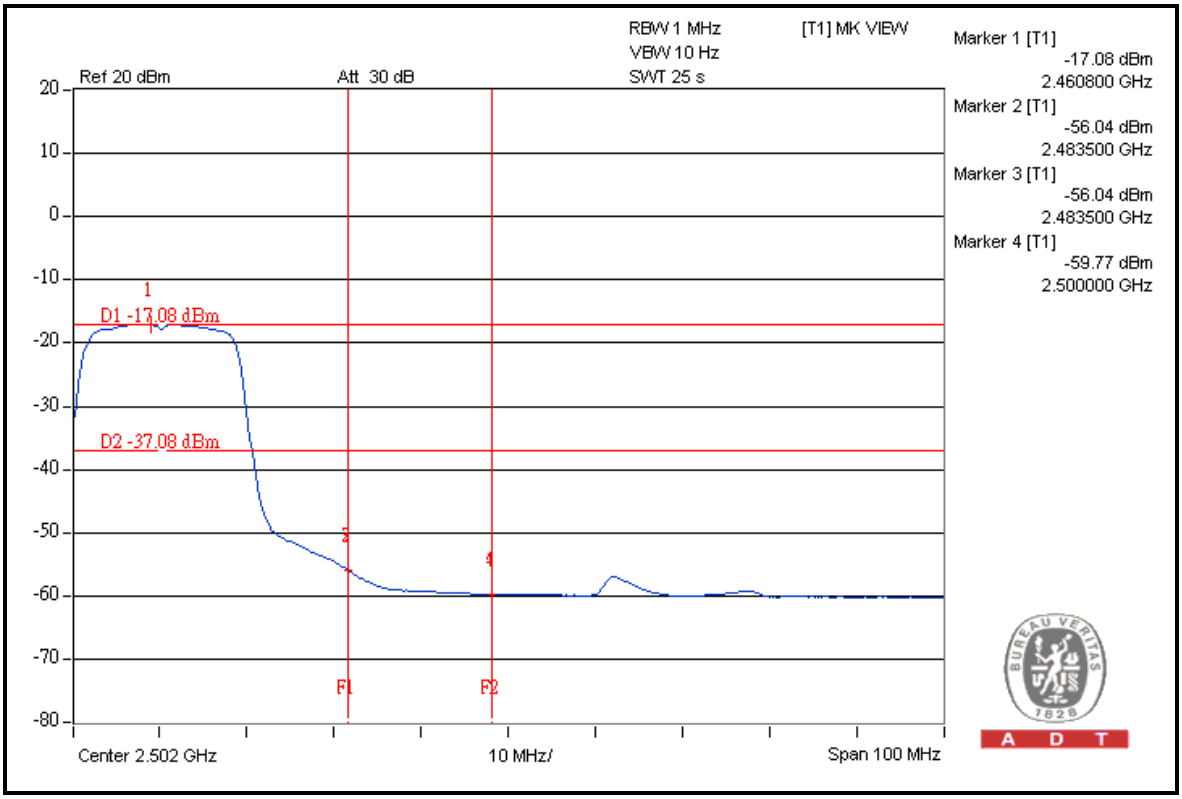
CHAIN 1

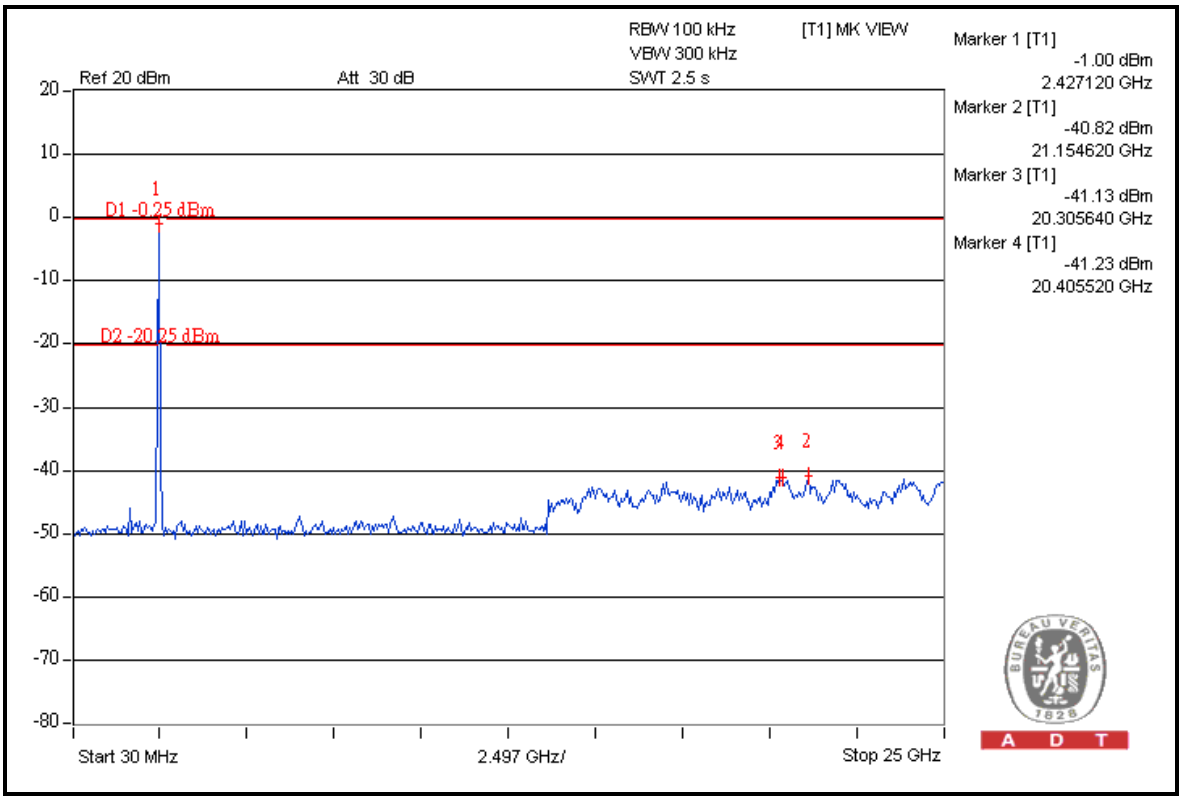

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
D1 -0.69 dBm
D2 -20.69 dBm
Marker 1 [T1]
-0.69 dBm
2.416000 GHz
Marker 2 [T1]
-40.01 dBm
2.400000 GHz
Marker 3 [T1]
-37.12 dBm
2.399600 GHz
Marker 4 [T1]
-47.56 dBm
2.390000 GHz
Marker 5 [T1]
-46.79 dBm
2.379000 GHz
F2
F1
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
D1 -17.36 dBm
D2 -37.36 dBm
Marker 1 [T1]
-17.36 dBm
2.413600 GHz
Marker 2 [T1]
-47.06 dBm
2.400000 GHz
Marker 3 [T1]
-47.06 dBm
2.400000 GHz
Marker 4 [T1]
-54.86 dBm
2.390000 GHz
Marker 5 [T1]
-54.86 dBm
2.390000 GHz
F2
F1
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-1.02 dBm
2.377180 GHz
Marker 2 [T1]
-40.96 dBm
24.051140 GHz
Marker 3 [T1]
-41.14 dBm
24.800240 GHz
Marker 4 [T1]
-41.16 dBm
22.103480 GHz
D1 -0.69 dBm
D2 -20.69 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-0.25 dBm
2.467000 GHz
Marker 2 [T1]
-49.70 dBm
2.483500 GHz
Marker 3 [T1]
-47.96 dBm
2.484200 GHz
Marker 4 [T1]
-49.50 dBm
2.500000 GHz
D1 -0.25 dBm
D2 -20.25 dBm
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 25 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-17.08 dBm
2.460800 GHz
Marker 2 [T1]
-56.04 dBm
2.483500 GHz
Marker 3 [T1]
-56.04 dBm
2.483500 GHz
Marker 4 [T1]
-59.77 dBm
2.500000 GHz
D1 -17.08 dBm
D2 -37.08 dBm
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-1.00 dBm
2.427120 GHz
Marker 2 [T1]
-40.82 dBm
21.154620 GHz
Marker 3 [T1]
-41.13 dBm
20.305640 GHz
Marker 4 [T1]
-41.23 dBm
20.405520 GHz
D1 -0.25 dBm
D2 -20.25 dBm
Start 30 MHz
2.497 GHz/
Stop 25 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)	106.3	34.3	72.0	74.00
2422.00 (AV)	81.7	28.3	53.4	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)	104.5	41.1	63.4	74.00
2452.00 (AV)	79.5	32.2	47.3	54.00

NOTE:

1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 2 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)	105.8	35.9	69.9	74.00
2422.00 (AV)	81.1	32.2	48.9	54.00

RESTRICT BAND (2483.5 ~ 2500 MHz)

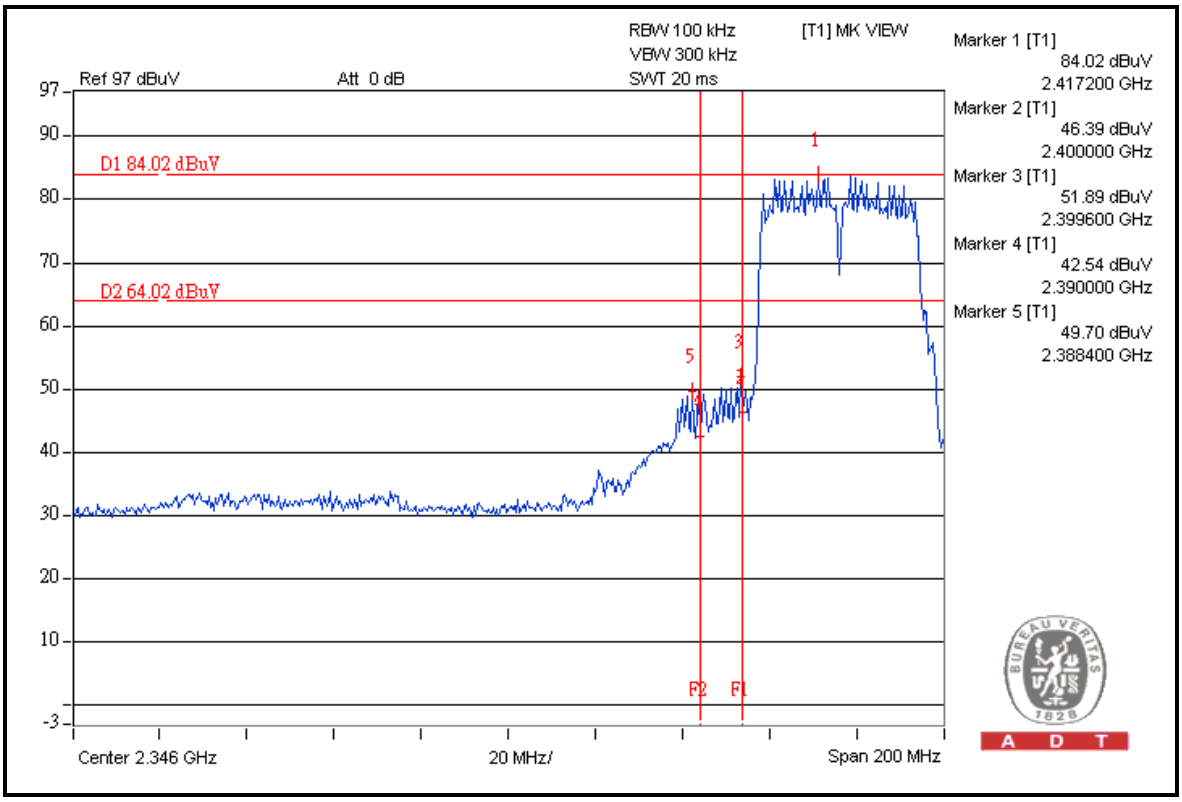
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	103.7	38.1	65.6	74.00
2452.00 (AV)	79.2	34.3	44.9	54.00

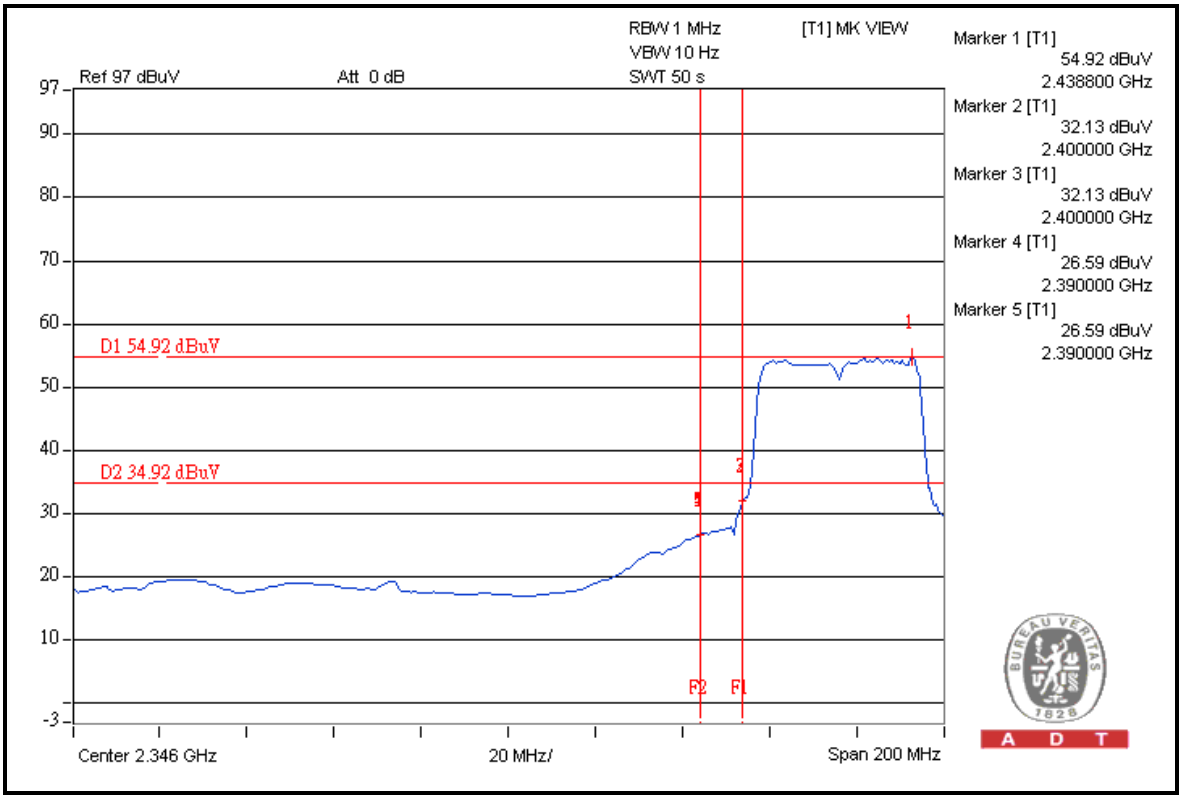
NOTE:

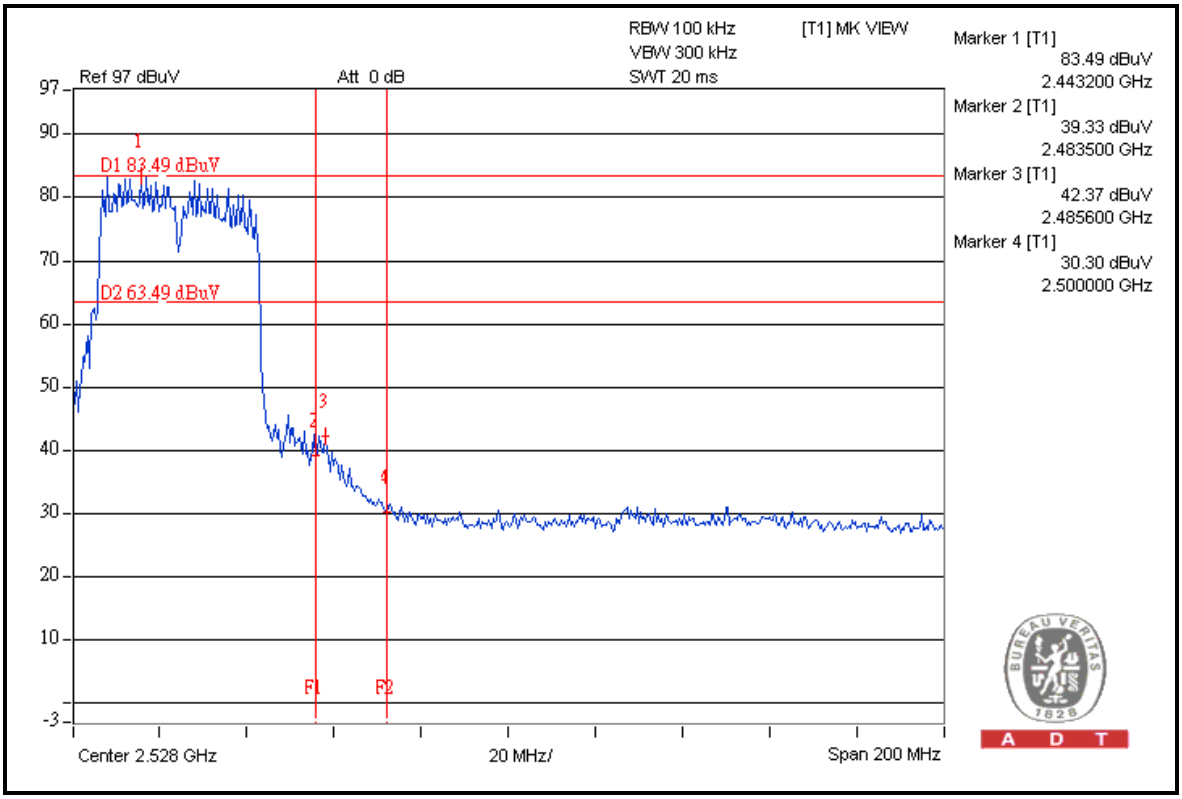
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 2 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

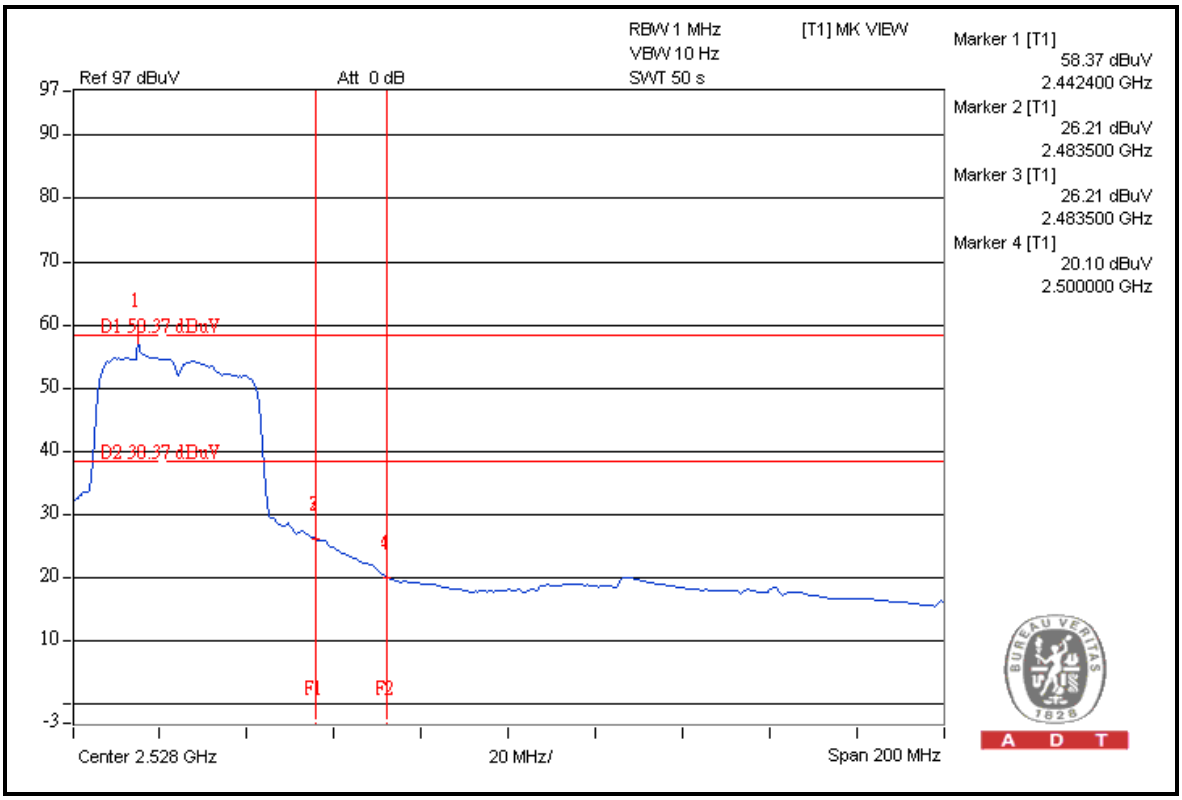
FOR RADIATED MEASURED (TWO CHAINS ON)

TEST MODE A:

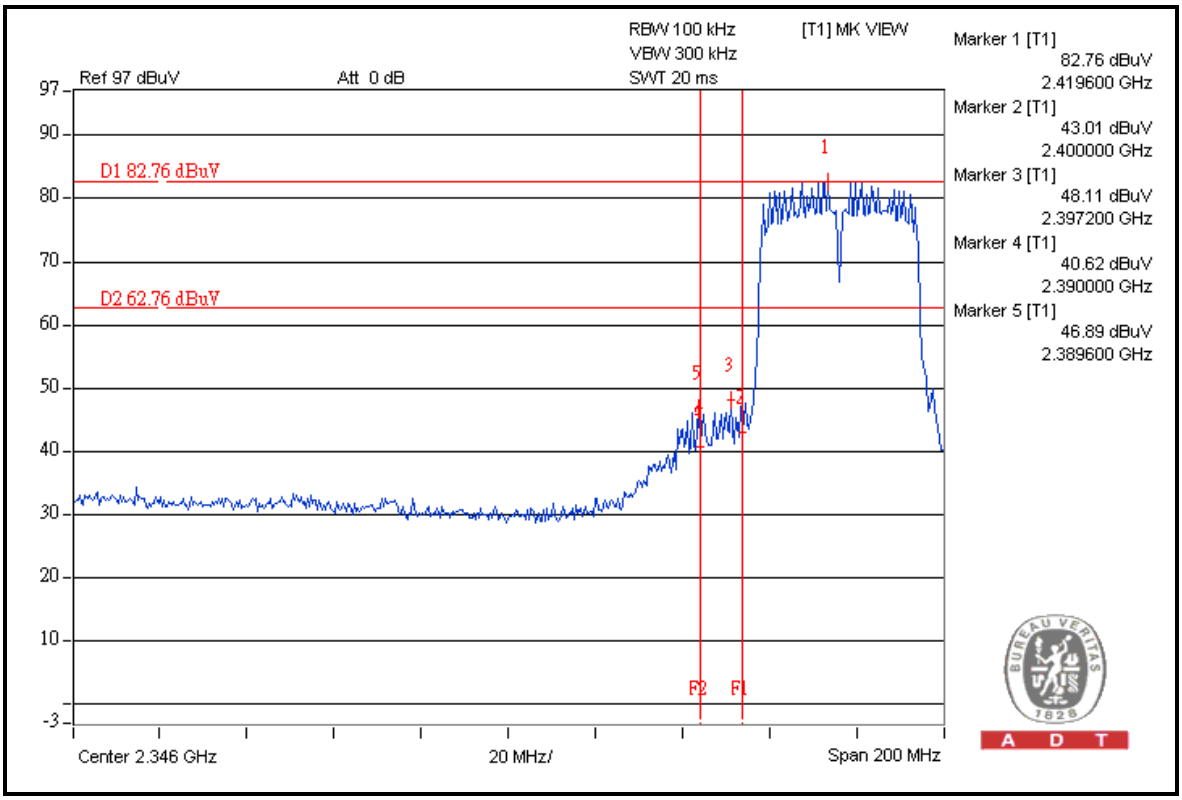


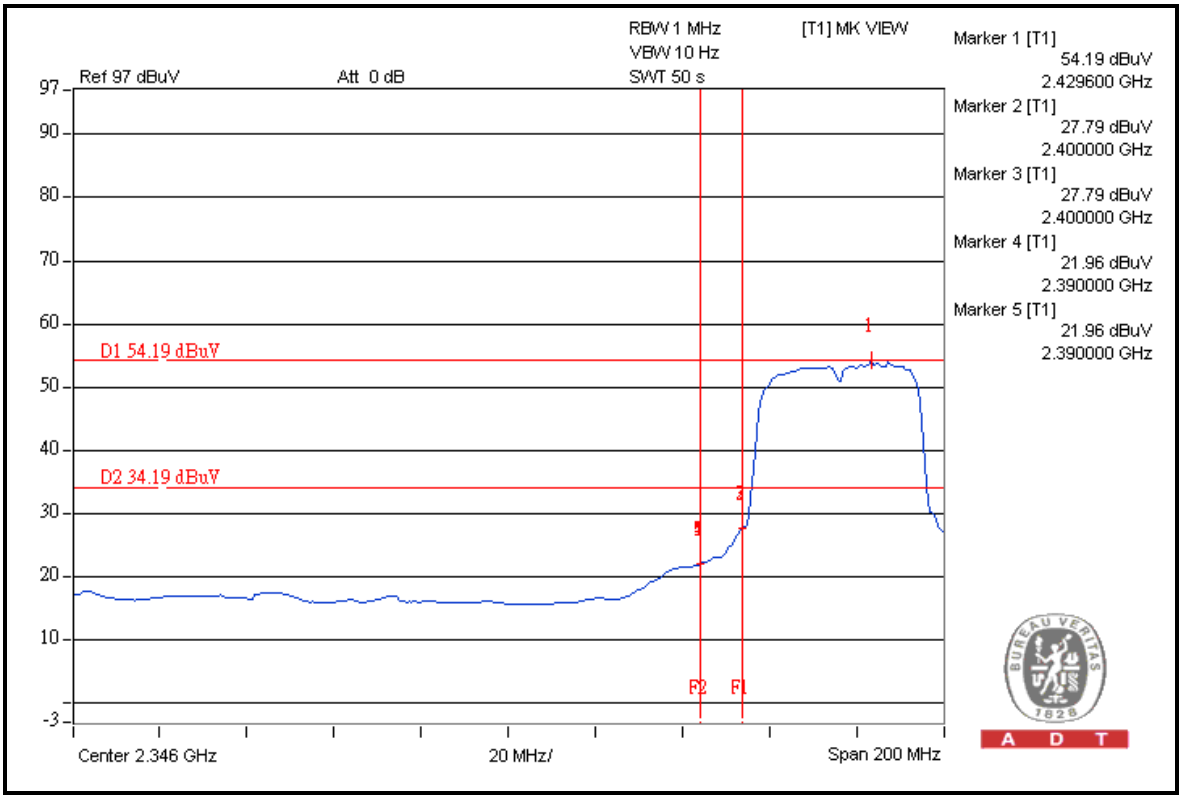


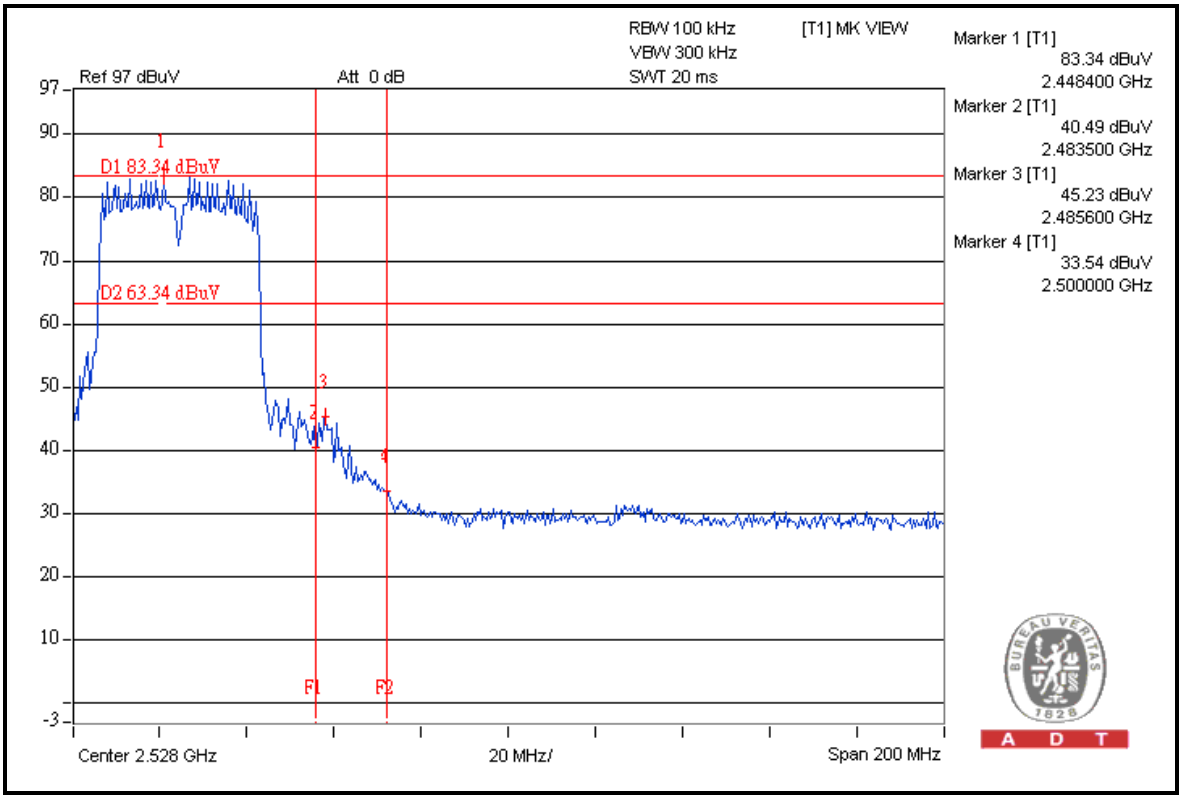

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 83.49 dBuV
D2 63.49 dBuV
Marker 1 [T1]
83.49 dBuV
2.443200 GHz
Marker 2 [T1]
39.33 dBuV
2.483500 GHz
Marker 3 [T1]
42.37 dBuV
2.485600 GHz
Marker 4 [T1]
30.30 dBuV
2.500000 GHz
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz

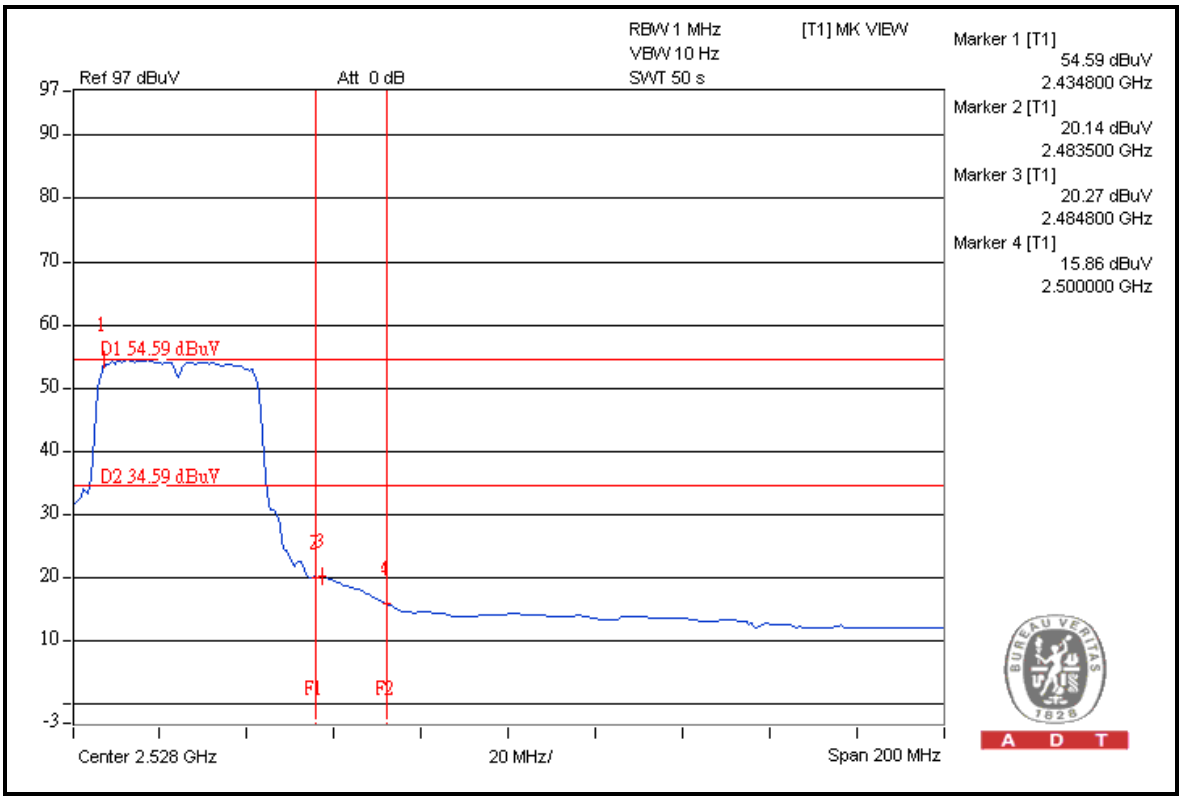

RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 50.37 dBuV
D2 30.37 dBuV
Marker 1 [T1]
58.37 dBuV
2.442400 GHz
Marker 2 [T1]
26.21 dBuV
2.483500 GHz
Marker 3 [T1]
26.21 dBuV
2.483500 GHz
Marker 4 [T1]
20.10 dBuV
2.500000 GHz
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz

TEST MODE B:


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 82.76 dBuV
D2 62.76 dBuV
Marker 1 [T1]
82.76 dBuV
2.419600 GHz
Marker 2 [T1]
43.01 dBuV
2.400000 GHz
Marker 3 [T1]
48.11 dBuV
2.397200 GHz
Marker 4 [T1]
40.62 dBuV
2.390000 GHz
Marker 5 [T1]
46.89 dBuV
2.389600 GHz
Center 2.346 GHz
20 MHz/
Span 200 MHz

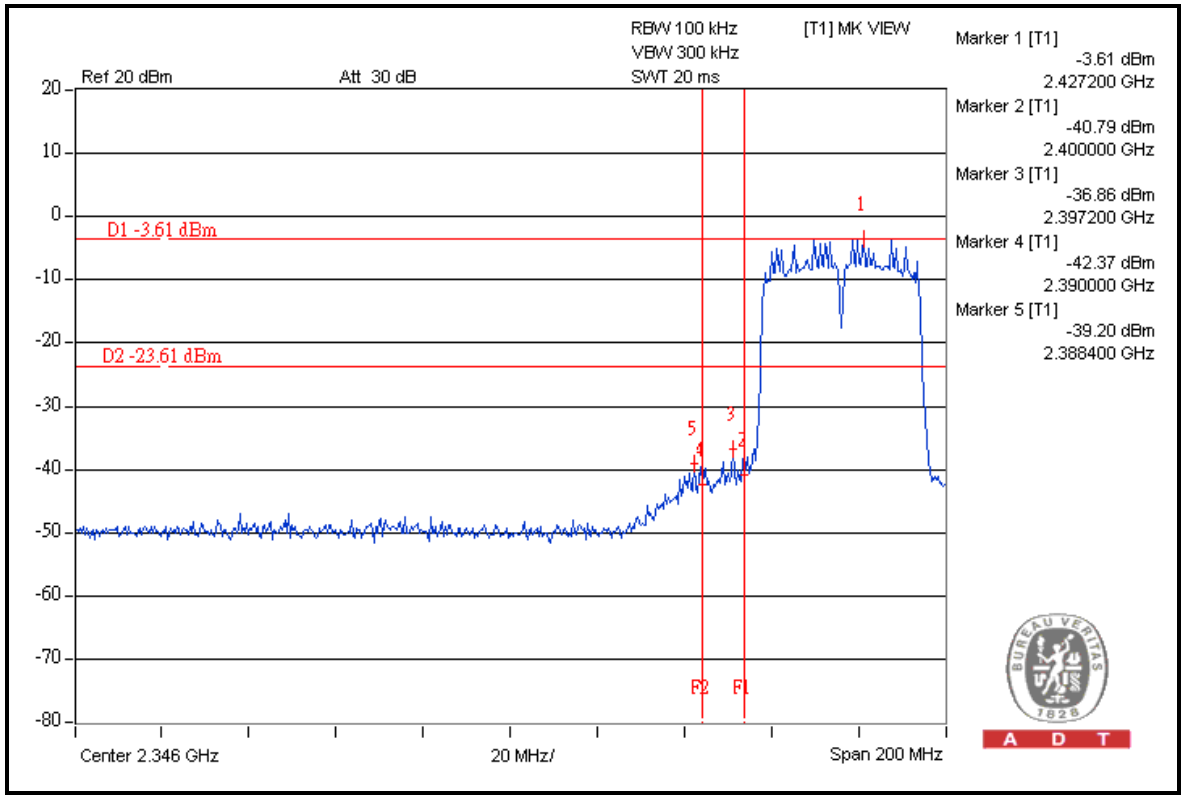

RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 54.19 dBuV
D2 34.19 dBuV
Marker 1 [T1]
54.19 dBuV
2.429600 GHz
Marker 2 [T1]
27.79 dBuV
2.400000 GHz
Marker 3 [T1]
27.79 dBuV
2.400000 GHz
Marker 4 [T1]
21.96 dBuV
2.390000 GHz
Marker 5 [T1]
21.96 dBuV
2.390000 GHz
Center 2.346 GHz
20 MHz/
Span 200 MHz

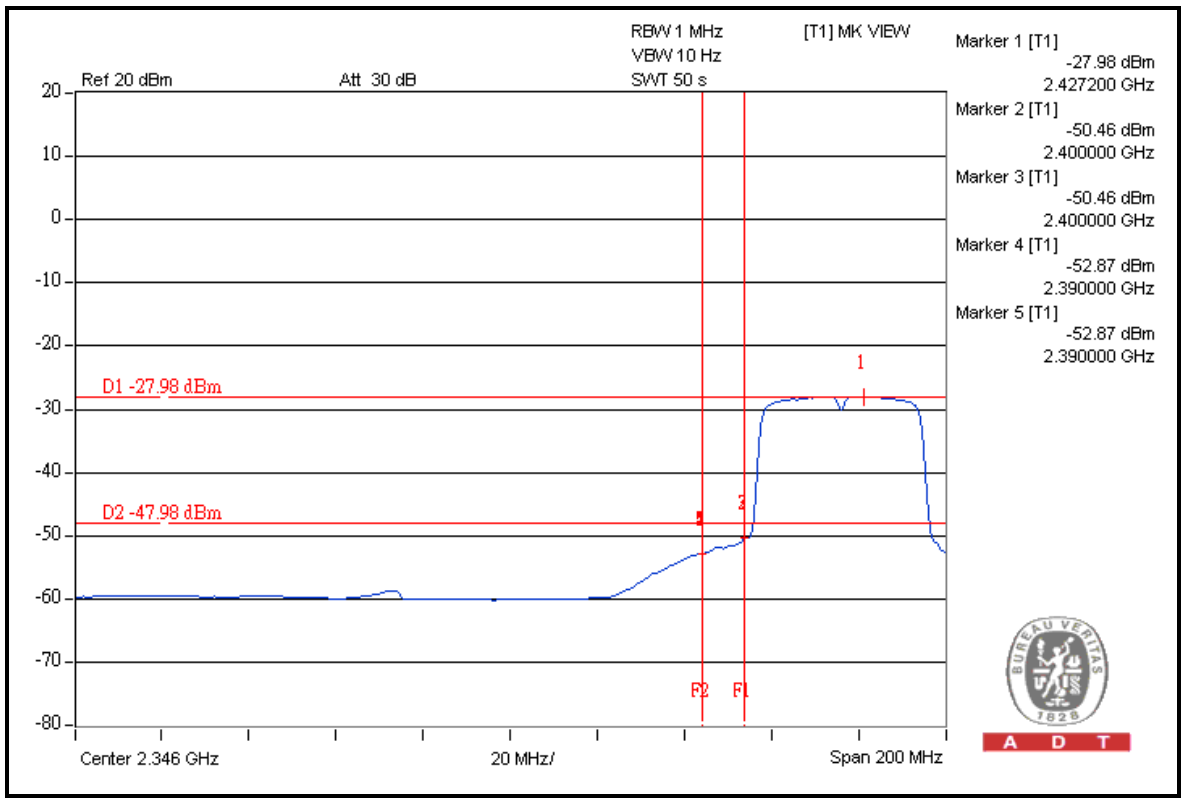

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 83.34 dBuV
D2 63.34 dBuV
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz
Marker 1 [T1]
83.34 dBuV
2.448400 GHz
Marker 2 [T1]
40.49 dBuV
2.483500 GHz
Marker 3 [T1]
45.23 dBuV
2.485600 GHz
Marker 4 [T1]
33.54 dBuV
2.500000 GHz

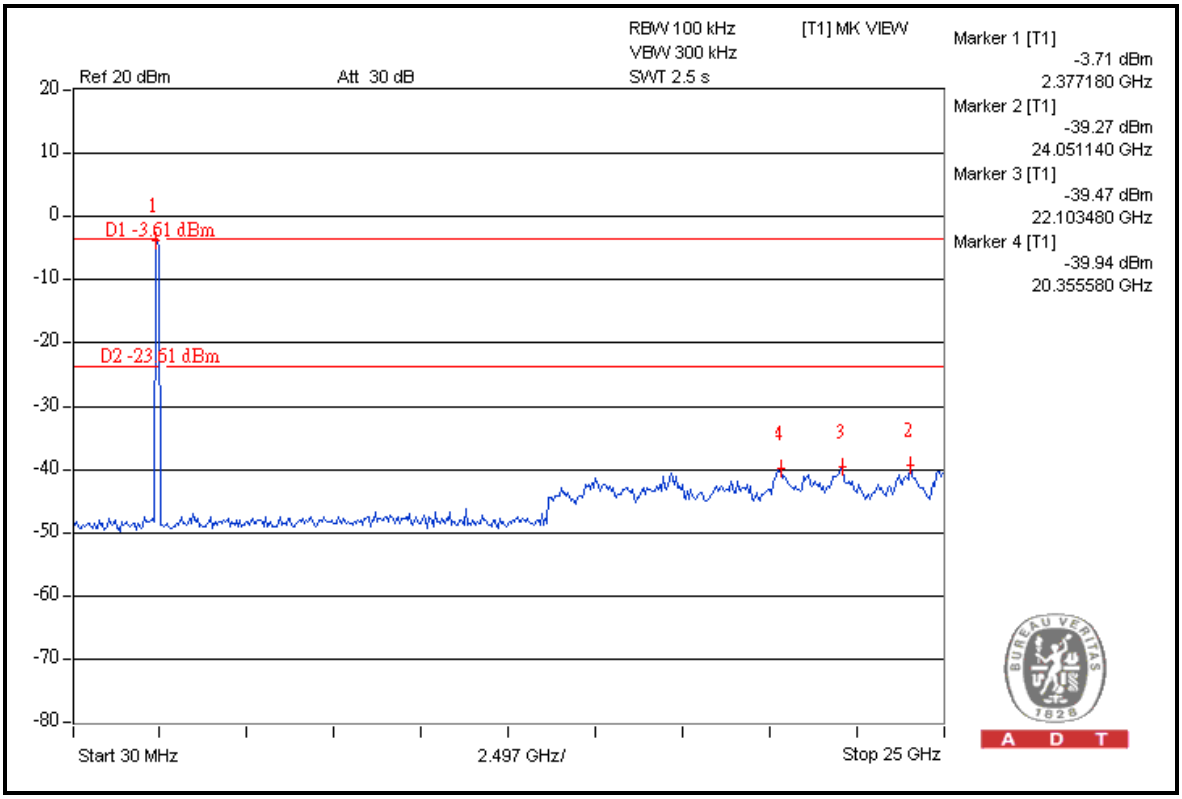

RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 54.59 dBuV
D2 34.59 dBuV
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz
Marker 1 [T1]
54.59 dBuV
2.434800 GHz
Marker 2 [T1]
20.14 dBuV
2.483500 GHz
Marker 3 [T1]
20.27 dBuV
2.484800 GHz
Marker 4 [T1]
15.86 dBuV
2.500000 GHz

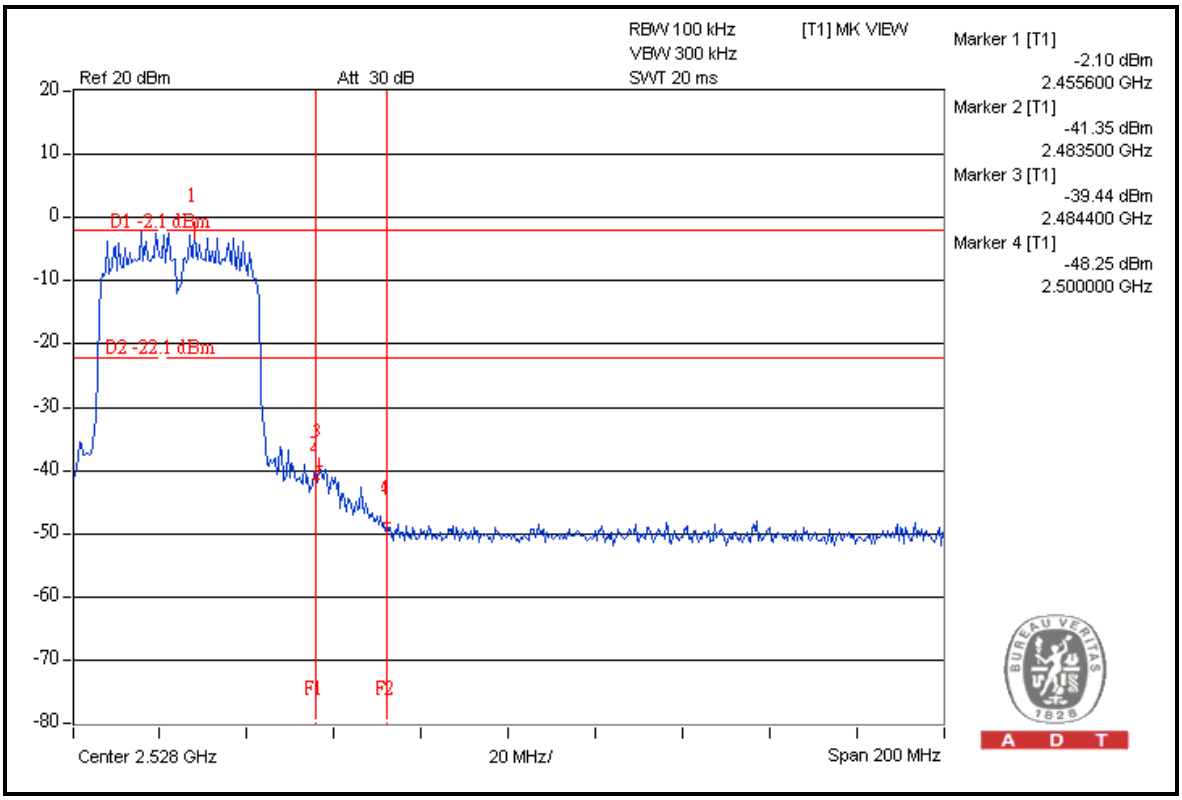
FOR CONDUCTED MEASURED

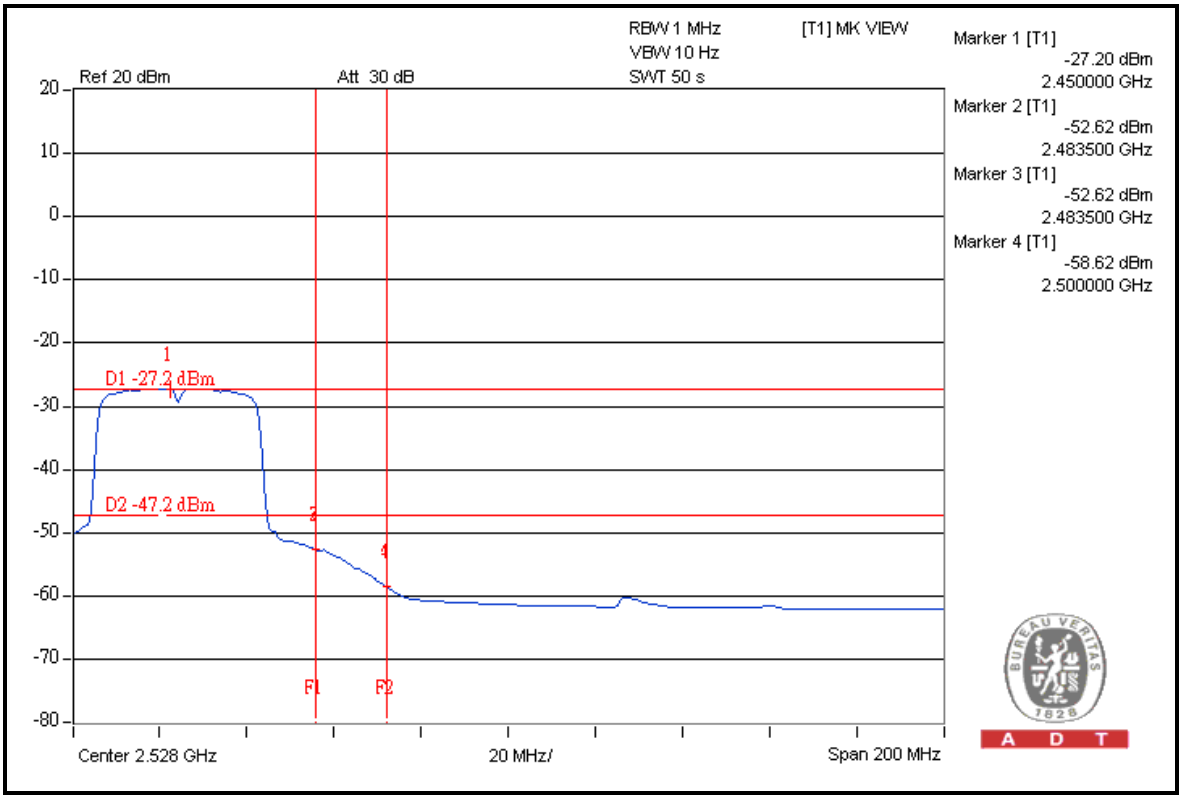
TEST MODE A: CHAIN 0

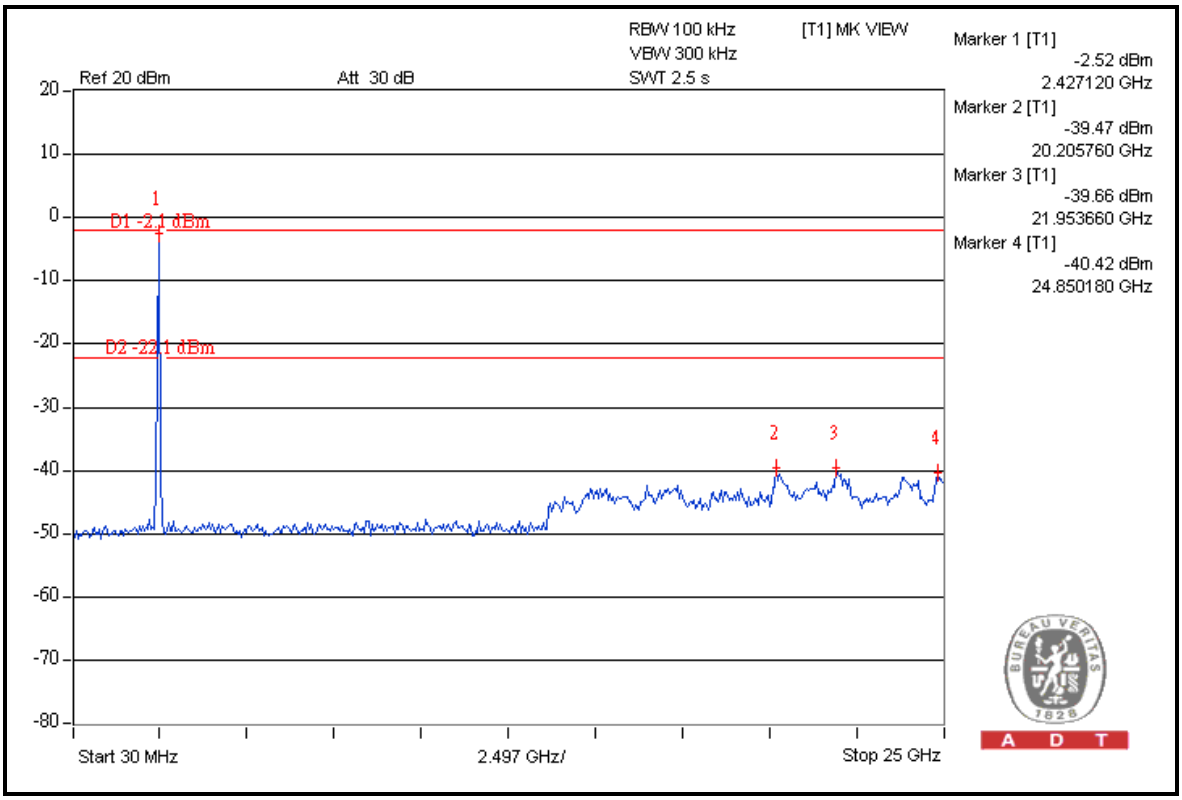




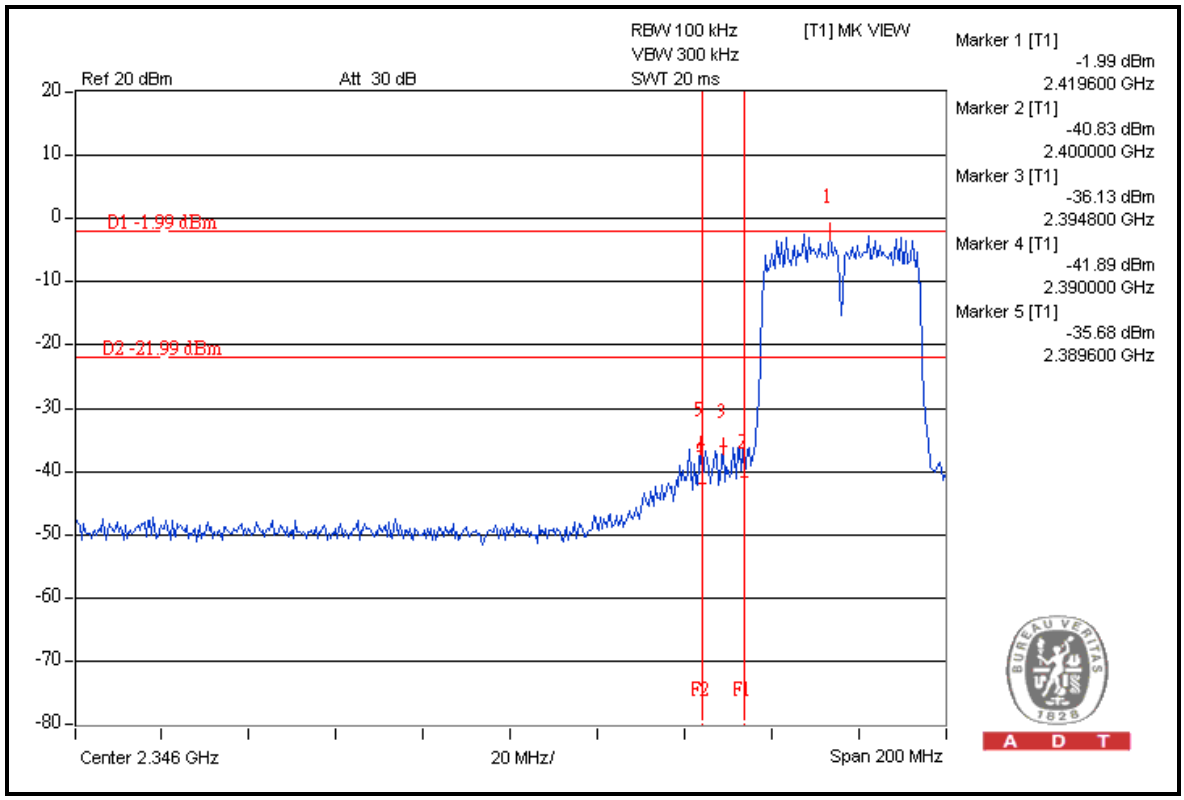

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-3.71 dBm
2.377180 GHz
Marker 2 [T1]
-39.27 dBm
24.051140 GHz
Marker 3 [T1]
-39.47 dBm
22.103480 GHz
Marker 4 [T1]
-39.94 dBm
20.355580 GHz
D1 -3.61 dBm
D2 -23.61 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

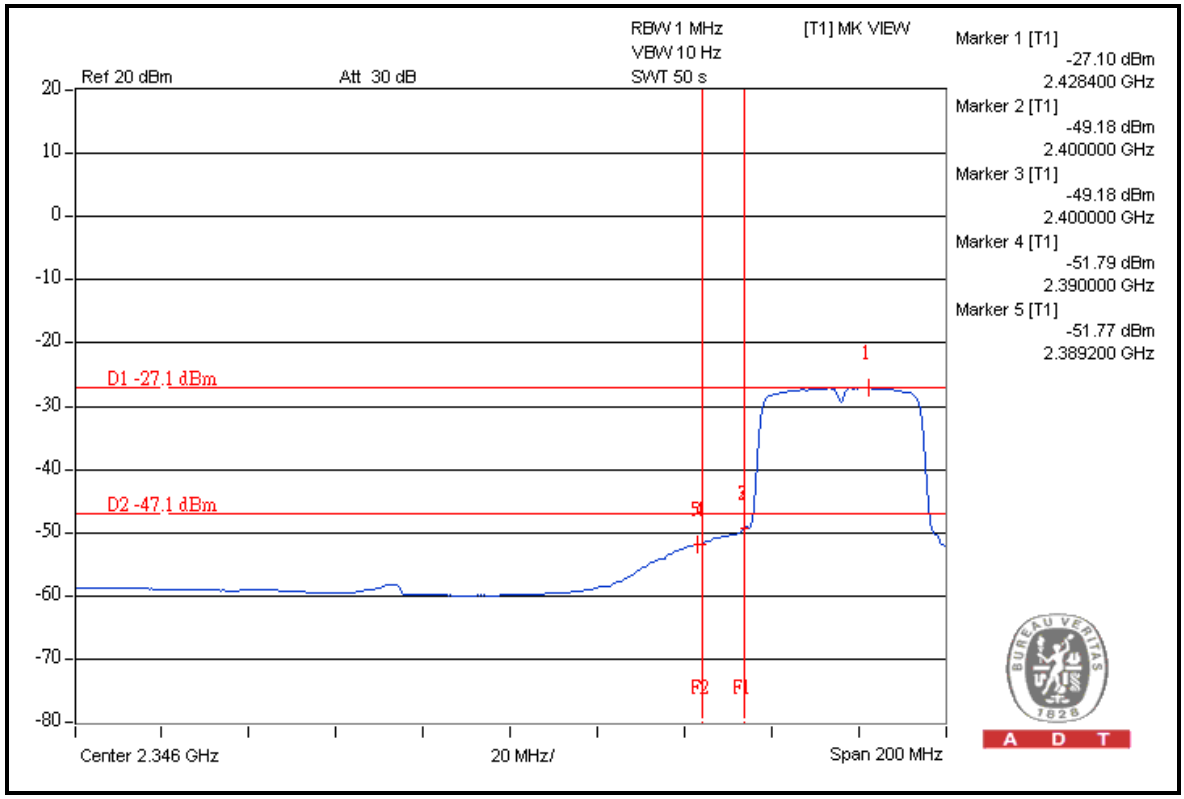

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-2.10 dBm
2.455600 GHz
Marker 2 [T1]
-41.35 dBm
2.483500 GHz
Marker 3 [T1]
-39.44 dBm
2.484400 GHz
Marker 4 [T1]
-48.25 dBm
2.500000 GHz
D1 -2.1 dBm
D2 -22.1 dBm
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz

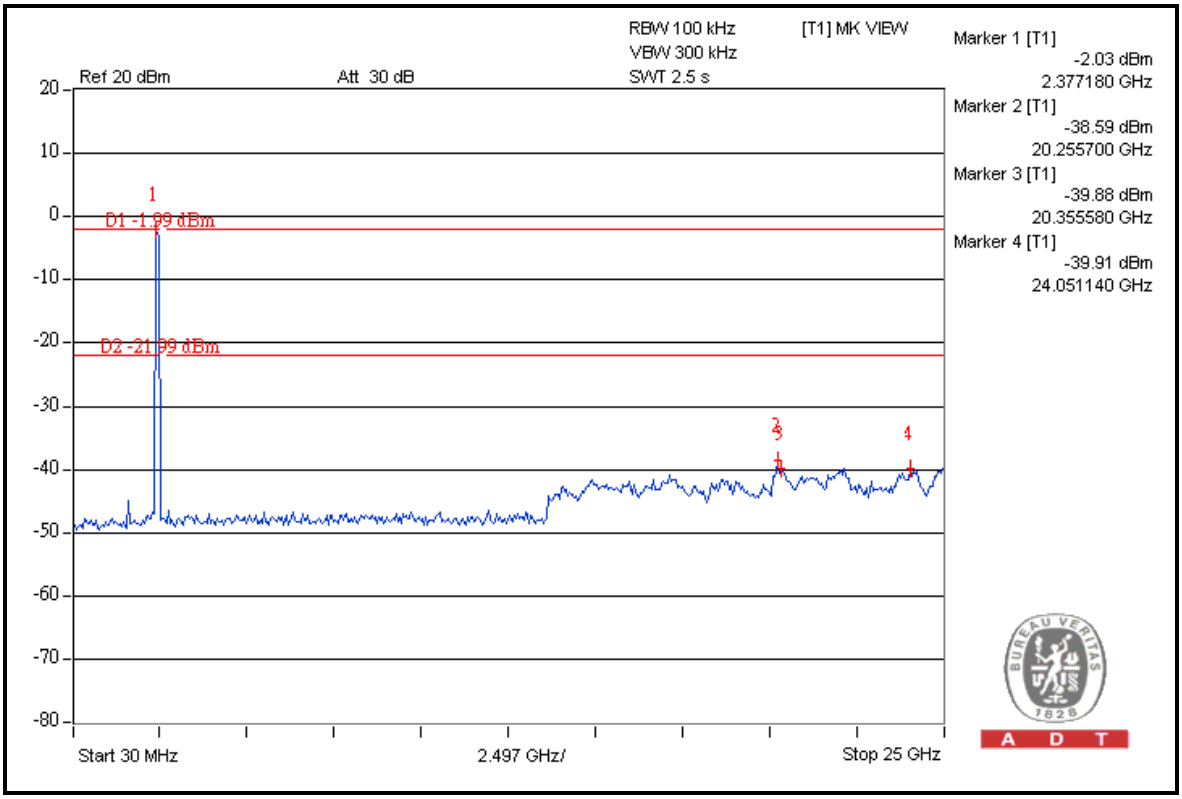

RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-27.20 dBm
2.450000 GHz
Marker 2 [T1]
-52.62 dBm
2.483500 GHz
Marker 3 [T1]
-52.62 dBm
2.483500 GHz
Marker 4 [T1]
-58.62 dBm
2.500000 GHz
D1 -27.2 dBm
D2 -47.2 dBm
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz

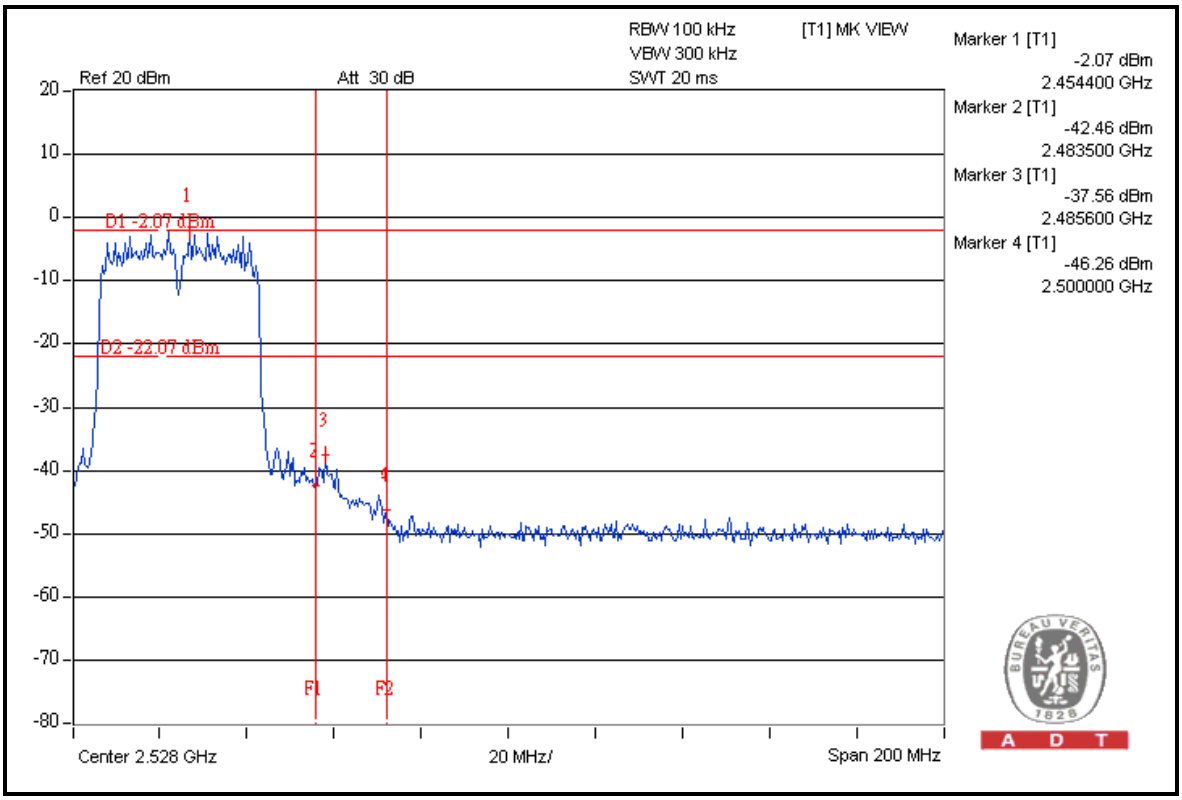

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-2.52 dBm
2.427120 GHz
Marker 2 [T1]
-39.47 dBm
20.205760 GHz
Marker 3 [T1]
-39.66 dBm
21.953660 GHz
Marker 4 [T1]
-40.42 dBm
24.850180 GHz
D1 -2.1 dBm
D2 -22.1 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

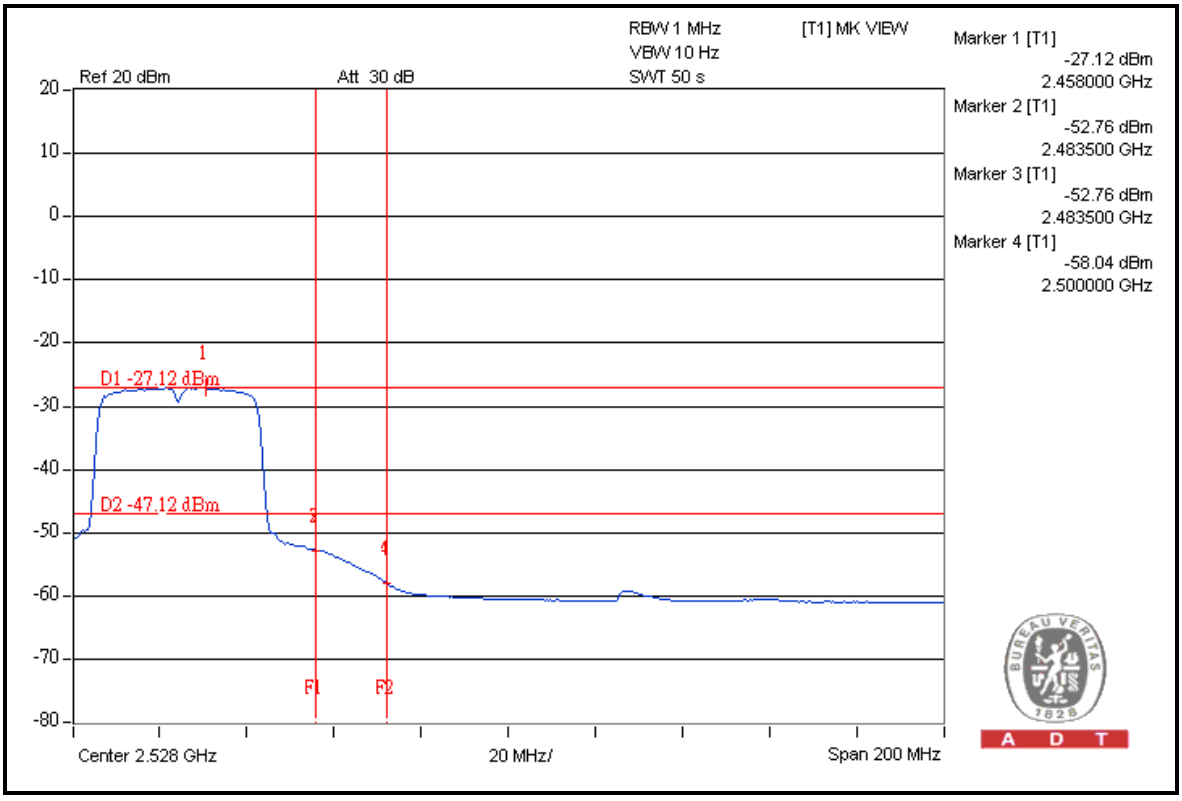
CHAIN 1

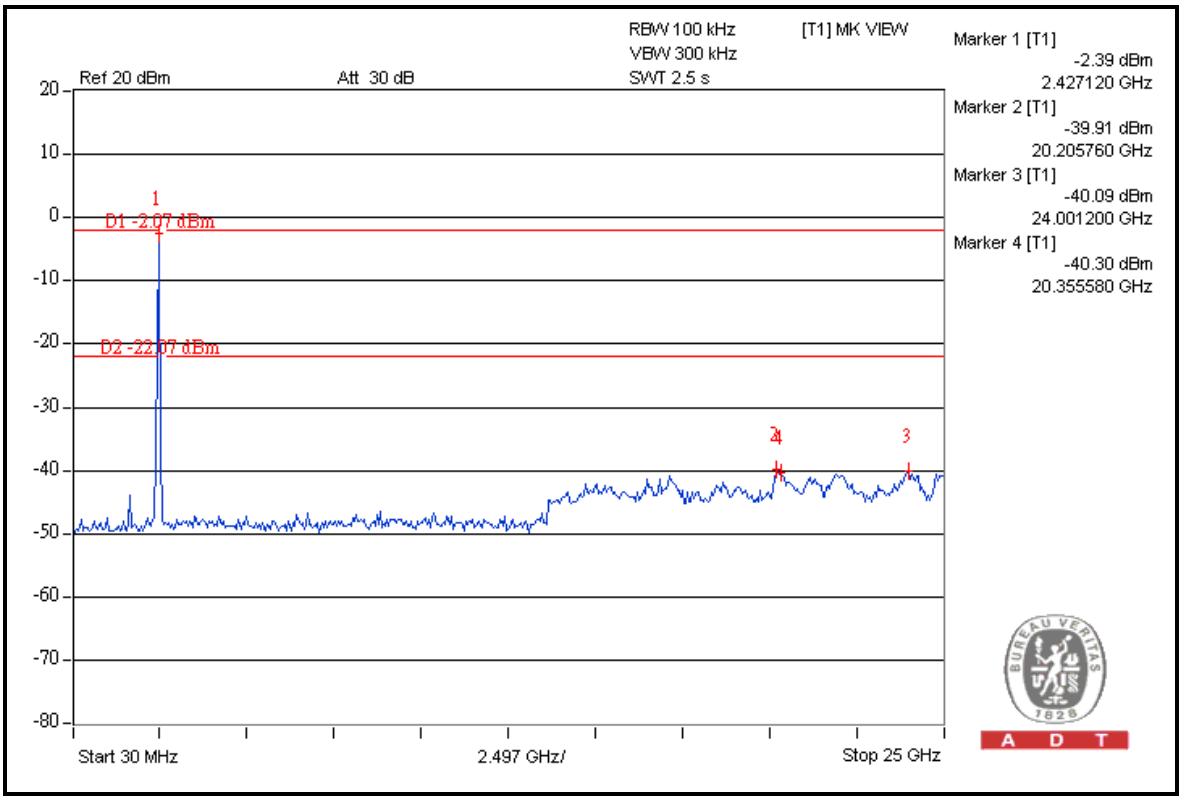

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
D1 -1.99 dBm
D2 -21.99 dBm
Marker 1 [T1]
-1.99 dBm
2.419600 GHz
Marker 2 [T1]
-40.83 dBm
2.400000 GHz
Marker 3 [T1]
-36.13 dBm
2.394800 GHz
Marker 4 [T1]
-41.89 dBm
2.390000 GHz
Marker 5 [T1]
-35.68 dBm
2.389600 GHz
Center 2.346 GHz
20 MHz/
Span 200 MHz


RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
D1 -27.1 dBm
D2 -47.1 dBm
Marker 1 [T1]
-27.10 dBm
2.428400 GHz
Marker 2 [T1]
-49.18 dBm
2.400000 GHz
Marker 3 [T1]
-49.18 dBm
2.400000 GHz
Marker 4 [T1]
-51.79 dBm
2.390000 GHz
Marker 5 [T1]
-51.77 dBm
2.389200 GHz
Center 2.346 GHz
20 MHz/
Span 200 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-2.03 dBm
2.377180 GHz
Marker 2 [T1]
-38.59 dBm
20.255700 GHz
Marker 3 [T1]
-39.88 dBm
20.355580 GHz
Marker 4 [T1]
-39.91 dBm
24.051140 GHz
D1 -1.99 dBm
D2 -21.99 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-2.07 dBm
2.454400 GHz
Marker 2 [T1]
-42.46 dBm
2.483500 GHz
Marker 3 [T1]
-37.56 dBm
2.485600 GHz
Marker 4 [T1]
-46.26 dBm
2.500000 GHz
D1 -2.07 dBm
D2 -22.07 dBm
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz


RBW 1 MHz
VBW 10 Hz
SWT 50 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-27.12 dBm
2.458000 GHz
Marker 2 [T1]
-52.76 dBm
2.483500 GHz
Marker 3 [T1]
-52.76 dBm
2.483500 GHz
Marker 4 [T1]
-58.04 dBm
2.500000 GHz
D1 -27.12 dBm
D2 -47.12 dBm
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 20 dBm
Att 30 dB
Marker 1 [T1]
-2.39 dBm
2.427120 GHz
Marker 2 [T1]
-39.91 dBm
20.205760 GHz
Marker 3 [T1]
-40.09 dBm
24.001200 GHz
Marker 4 [T1]
-40.30 dBm
20.355580 GHz
D1 -2.07 dBm
D2 -22.07 dBm
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---