FCC TEST REPORT

REPORT NO.:	RF110208C15A
MODEL NO.:	TEW-624UB
FCC ID:	XU8TEW624UBD1
RECEIVED:	Feb. 08, 2011
TESTED:	Feb. 11 ~ May 10, 2011
ISSUED:	Aug. 04, 2011

APPLICANT:	TRENDNET, Inc.
ADDRESS:	20675 Manhattan Place, Torrance, CA 90501, USA

ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
LAB ADDRESS:	No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou Hsiang, Taipei Hsien 244, Taiwan, R.O.C.
TEST LOCATION:	No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
Original release	NA	Aug. 04, 2011

1. CERTIFICATION

PRODUCT: 300Mbps Mini Wireless N USB Adapter
MODEL: TEW-624UB
BRAND: TRENDnet
APPLICANT: TRENDNET, Inc.
TESTED: Feb. 11 ~ May 10, 2011
TEST SAMPLE: ENGINEERING SAMPLE
STANDARDS: **FCC Part 15, Subpart C (Section 15.247)**
ANSI C63.4-2003
ANSI C63.10-2009

The above equipment (Model: TEW-624UB) 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 : _____, **DATE:** Aug. 04, 2011
Ivy Lin / Specialist

APPROVED BY : _____, **DATE:** Aug. 04, 2011
Gary Chang / Technical 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 -10.49dB at 0.175MHz.
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 -1.8dB at 82.40 MHz, 208.77 MHz & 4874.00MHz.
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 U.FL not a standard connector.

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	150kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	2.93 dB
	200MHz ~1000MHz	2.95 dB
	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	300Mbps Mini Wireless N USB Adapter
MODEL NO.	TEW-624UB
FCC ID	XU8TEW624UBD1
POWER SUPPLY	5Vdc (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 ~ 2462MHz
NUMBER OF CHANNEL	11 for 802.11b, 802.11g, 802.11n (20MHz) 7 for 802.11n (40MHz)
OUTPUT POWER	302.8mW
ANTENNA TYPE	PIFA antenna with 2dBi gain
ANTENNA CONNECTOR	UFL
DATA CABLE	NA
I/O PORTS	USB
ACCESSORY DEVICES	NA

NOTE:

1. This report is issued as a duplicate report to the original report no.: RF110208C15. The differences are changing the product name, model name, brand name and applicant.
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)	1TX / 2TX
802.11n (40MHz)	1TX / 2TX

3. 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

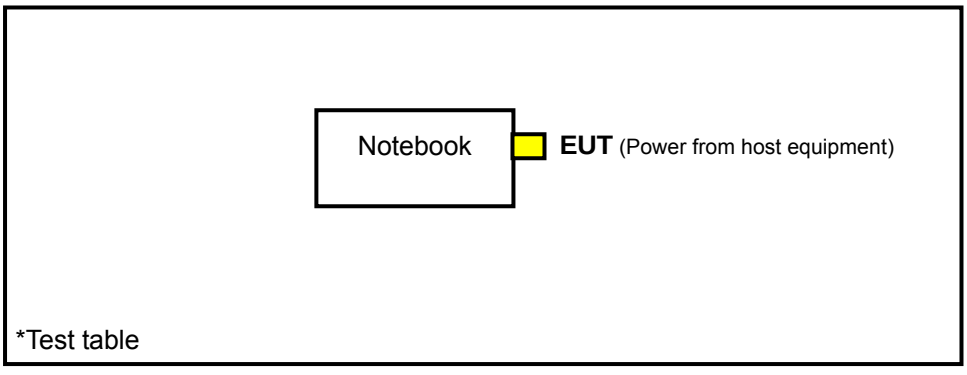
11 channels are provided for 802.11b, 802.11g and 802.11n (20MHz):

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



3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	APCM	
-	√	√	√	√	

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 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)
-	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
-	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
-	802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2
-	802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	15.0

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 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)
-	802.11n (20MHz)	1 to 11	6	OFDM	BPSK	7.2

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)
-	802.11n (20MHz)	1 to 11	6	OFDM	BPSK	7.2

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)
-	802.11b	1 to 11	1, 11	DSSS	DBPSK	1.0
-	802.11g	1 to 11	1, 11	OFDM	BPSK	6.0
-	802.11n (20MHz)	1 to 11	1, 11	OFDM	BPSK	7.2
-	802.11n (40MHz)	1 to 7	1, 7	OFDM	BPSK	15.0

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)
-	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
-	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
-	802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2
-	802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	15.0

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER (SYSTEM)	TESTED BY
RE≥1G	26deg. C, 66%RH, 23deg. C, 65%RH	120Vac, 60Hz	Match Tsui, Frank Wang
RE<1G	26deg. C, 66%RH	120Vac, 60Hz	Match Tsui
PLC	20deg. C, 60%RH	120Vac, 60Hz	Match Tsui
APCM	25deg. C, 65%RH	120Vac, 60Hz	Brad Wu

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	DELL	D820	21498926752	NA

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

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

4. TEST TYPES AND RESULTS

4.1 RADIATED EMISSION MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

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

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCI	100424	Aug. 04, 2010	Aug. 03, 2011
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100041	Jul. 09, 2010	Jul. 08, 2011
BILOG Antenna SCHWARZBECK	VULB9168	9168-156	Apr. 12, 2011	Apr. 11, 2012
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-209	Aug. 02, 2010	Aug. 01, 2011
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170243	Dec. 27, 2010	Dec. 26, 2011
Preamplifier Agilent	8449B	3008A01910	Sep. 09, 2010	Sep. 08, 2011
Preamplifier Agilent	8447D	2944A10638	Nov. 03, 2010	Nov. 02, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	218190/4 231241/4	May 14, 2010	May 13, 2011
RF signal cable Worken	8D-FB	Cable-HYCH9-01	Aug. 20, 2010	Aug. 19, 2011
Software	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower &Turn Table Controller EMCO	2090	NA	NA	NA

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

2. The test was performed in HwaYa Chamber 9.

3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.

4. The FCC Site Registration No. is 460141.

5. The IC Site Registration No. is IC 7450F-4.

4.1.3 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

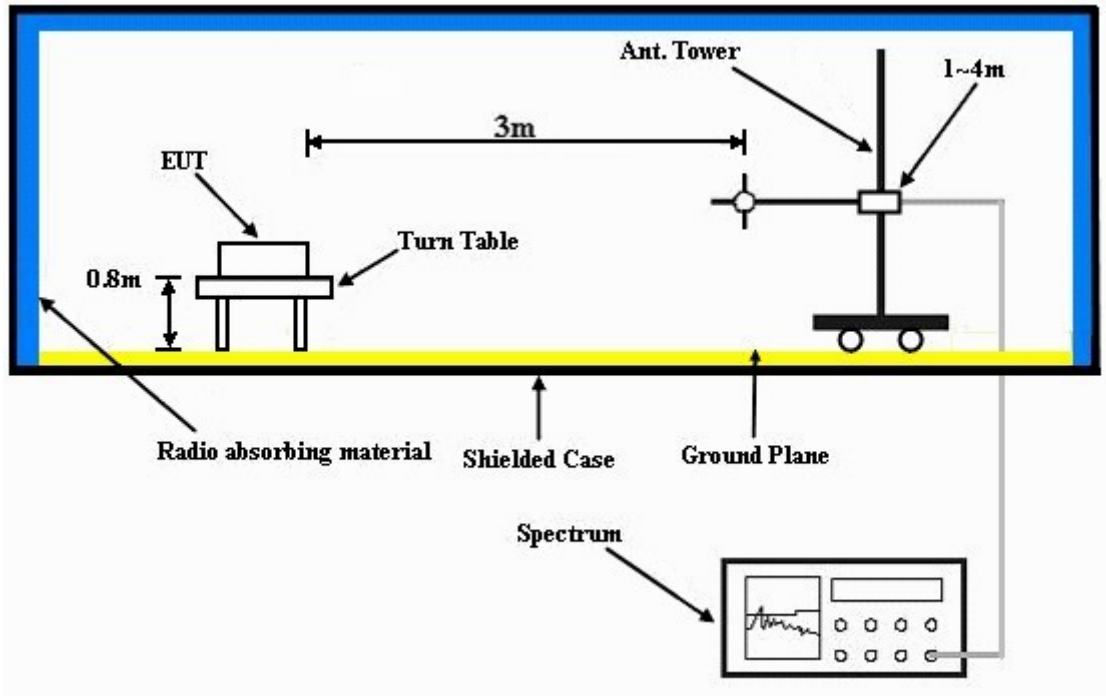
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

4.1.5 TEST SETUP



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

4.1.6 EUT OPERATING CONDITIONS

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

4.1.7 TEST RESULTS

802.11b

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH	TESTED BY	Match Tsui

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2386.00	54.8 PK	74.0	-19.2	1.42 H	107	24.30	30.50
2	2386.00	44.4 AV	54.0	-9.6	1.42 H	107	13.90	30.50
3	*2412.00	103.0 PK			1.36 H	103	72.40	30.60
4	*2412.00	99.2 AV			1.36 H	103	68.60	30.60
5	4824.00	53.6 PK	74.0	-20.4	1.06 H	19	17.00	36.60
6	4824.00	51.5 AV	54.0	-2.5	1.06 H	19	14.90	36.60
7	#7236.00	56.2 PK	83.0	-26.8	1.01 H	160	13.10	43.10
8	#7236.00	50.8 AV	79.2	-28.4	1.01 H	160	7.70	43.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2386.00	53.6 PK	74.0	-20.4	1.00 V	301	23.10	30.50
2	2386.00	42.5 AV	54.0	-11.5	1.00 V	301	12.00	30.50
3	*2412.00	93.0 PK			1.00 V	301	62.40	30.60
4	*2412.00	89.2 AV			1.00 V	301	58.60	30.60
5	4824.00	49.7 PK	74.0	-24.3	1.00 V	312	13.10	36.60
6	4824.00	46.2 AV	54.0	-7.8	1.00 V	312	9.60	36.60
7	#7236.00	56.9 PK	73.0	-16.1	1.01 V	354	13.80	43.10
8	#7236.00	50.3 AV	69.2	-18.9	1.01 V	354	7.20	43.10

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH	TESTED BY	Match Tsui

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	53.4 PK	74.0	-20.6	1.35 H	103	22.90	30.50
2	2390.00	43.0 AV	54.0	-11.0	1.35 H	103	12.50	30.50
3	*2437.00	102.7 PK			1.35 H	103	72.00	30.70
4	*2437.00	98.8 AV			1.35 H	103	68.10	30.70
5	4874.00	54.6 PK	74.0	-19.4	1.06 H	28	17.90	36.70
6	**4874.00**	**52.2 AV**	**54.0**	**-1.8**	**1.06 H**	**28**	**15.50**	**36.70**
7	7311.00	57.4 PK	74.0	-16.6	1.00 H	166	14.10	43.30
8	7311.00	51.7 AV	54.0	-2.3	1.00 H	166	8.40	43.30
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	52.2 PK	74.0	-21.8	1.00 V	300	21.70	30.50
2	2390.00	42.9 AV	54.0	-11.1	1.00 V	300	12.40	30.50
3	*2437.00	92.3 PK			1.00 V	300	61.60	30.70
4	*2437.00	88.8 AV			1.00 V	300	58.10	30.70
5	4874.00	50.8 PK	74.0	-23.2	1.00 V	348	14.10	36.70
6	4874.00	47.9 AV	54.0	-6.1	1.00 V	348	11.20	36.70
7	7311.00	57.0 PK	74.0	-17.0	1.00 V	355	13.70	43.30
8	7311.00	49.7 AV	54.0	-4.3	1.00 V	355	6.40	43.30

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH	TESTED BY	Match Tsui

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	102.2 PK			1.35 H	104	71.40	30.80
2	*2462.00	98.4 AV			1.35 H	104	67.60	30.80
3	2483.50	54.5 PK	74.0	-19.5	1.03 H	153	23.60	30.90
4	2483.50	43.5 AV	54.0	-10.5	1.03 H	153	12.60	30.90
5	4924.00	54.3 PK	74.0	-19.7	1.04 H	27	17.50	36.80
6	4924.00	52.0 AV	54.0	-2.0	1.04 H	27	15.20	36.80
7	7386.00	56.2 PK	74.0	-17.8	1.00 H	154	12.80	43.40
8	7386.00	51.6 AV	54.0	-2.4	1.00 H	154	8.20	43.40
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	92.0 PK			1.17 V	308	61.20	30.80
2	*2462.00	88.5 AV			1.17 V	308	57.70	30.80
3	2483.50	52.8 PK	74.0	-21.2	1.17 V	0	21.90	30.90
4	2483.50	42.4 AV	54.0	-11.6	1.17 V	0	11.50	30.90
5	4924.00	52.9 PK	74.0	-21.1	1.54 V	5	16.10	36.80
6	4924.00	50.6 AV	54.0	-3.4	1.54 V	5	13.80	36.80
7	7386.00	56.9 PK	74.0	-17.1	1.00 V	350	13.50	43.40
8	7386.00	49.2 AV	54.0	-4.8	1.00 V	350	5.80	43.40

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

802.11g

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH	TESTED BY	Match Tsui

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	65.2 PK	74.0	-8.8	1.42 H	104	34.70	30.50
2	2390.00	49.3 AV	54.0	-4.7	1.42 H	104	18.80	30.50
3	*2412.00	101.4 PK			1.37 H	105	70.80	30.60
4	*2412.00	92.1 AV			1.37 H	105	61.50	30.60
5	4824.00	54.5 PK	74.0	-19.5	1.05 H	17	17.90	36.60
6	4824.00	43.7 AV	54.0	-10.3	1.05 H	17	7.10	36.60
7	#7236.00	52.1 PK	81.4	-29.3	1.22 H	180	9.00	43.10
8	#7236.00	40.8 AV	72.1	-31.3	1.22 H	180	-2.30	43.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	58.3 PK	74.0	-15.7	1.00 V	287	27.80	30.50
2	2390.00	44.7 AV	54.0	-9.3	1.00 V	287	14.20	30.50
3	*2412.00	91.4 PK			1.00 V	300	60.80	30.60
4	*2412.00	82.5 AV			1.00 V	300	51.90	30.60
5	4824.00	50.4 PK	74.0	-23.6	1.00 V	349	13.80	36.60
6	4824.00	40.2 AV	54.0	-13.8	1.00 V	349	3.60	36.60
7	#7236.00	50.5 PK	71.4	-20.9	1.05 V	333	7.40	43.10
8	#7236.00	38.5 AV	62.5	-24.0	1.05 V	333	-4.60	43.10

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH	TESTED BY	Match Tsui

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	53.3 PK	74.0	-20.7	1.35 H	103	22.80	30.50
2	2390.00	41.7 AV	54.0	-12.3	1.35 H	103	11.20	30.50
3	*2437.00	102.0 PK			1.35 H	103	71.30	30.70
4	*2437.00	92.0 AV			1.35 H	103	61.30	30.70
5	2483.50	52.4 PK	74.0	-21.6	1.35 H	103	21.50	30.90
6	2483.50	42.2 AV	54.0	-11.8	1.35 H	103	11.30	30.90
7	4874.00	55.1 PK	74.0	-18.9	1.05 H	25	18.40	36.70
8	4874.00	43.1 AV	54.0	-10.9	1.05 H	25	6.40	36.70
9	7311.00	52.8 PK	74.0	-21.2	1.27 H	176	9.50	43.30
10	7311.00	40.0 AV	54.0	-14.0	1.27 H	176	-3.30	43.30
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	47.6 PK	74.0	-26.4	1.00 V	303	17.10	30.50
2	2390.00	37.0 AV	54.0	-17.0	1.00 V	303	6.50	30.50
3	*2437.00	92.9 PK			1.00 V	303	62.20	30.70
4	*2437.00	82.8 AV			1.00 V	303	52.10	30.70
5	2483.50	48.3 PK	74.0	-25.7	1.00 V	303	17.40	30.90
6	2483.50	39.5 AV	54.0	-14.5	1.00 V	303	8.60	30.90
7	4874.00	51.2 PK	74.0	-22.8	1.08 V	303	14.50	36.70
8	4874.00	40.9 AV	54.0	-13.1	1.08 V	303	4.20	36.70
9	7311.00	50.8 PK	74.0	-23.2	1.06 V	334	7.50	43.30
10	7311.00	39.2 AV	54.0	-14.8	1.06 V	334	-4.10	43.30

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 (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH	TESTED BY	Match Tsui

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	100.6 PK			1.36 H	108	69.80	30.80
2	*2462.00	91.3 AV			1.36 H	108	60.50	30.80
3	2483.50	66.3 PK	74.0	-7.7	1.34 H	106	35.40	30.90
4	2483.50	49.5 AV	54.0	-4.5	1.34 H	106	18.60	30.90
5	4924.00	54.1 PK	74.0	-19.9	1.05 H	27	17.30	36.80
6	4924.00	42.5 AV	54.0	-11.5	1.05 H	27	5.70	36.80
7	7386.00	51.9 PK	74.0	-22.1	1.00 H	161	8.50	43.40
8	7386.00	39.4 AV	54.0	-14.6	1.00 H	161	-4.00	43.40
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	90.4 PK			1.00 V	318	59.60	30.80
2	*2462.00	81.6 AV			1.00 V	318	50.80	30.80
3	2483.50	57.1 PK	74.0	-16.9	1.00 V	319	26.20	30.90
4	2483.50	42.6 AV	54.0	-11.4	1.00 V	319	11.70	30.90
5	4924.00	50.0 PK	74.0	-24.0	1.19 V	28	13.20	36.80
6	4924.00	40.1 AV	54.0	-13.9	1.19 V	28	3.30	36.80
7	7386.00	50.9 PK	74.0	-23.1	1.00 V	1	7.50	43.40
8	7386.00	38.9 AV	54.0	-15.1	1.00 V	1	-4.50	43.40

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	63.2 PK	74.0	-10.8	1.07 H	38	32.70	30.50
2	2390.00	48.7 AV	54.0	-5.3	1.07 H	38	18.20	30.50
3	*2412.00	104.4 PK			1.06 H	38	73.80	30.60
4	*2412.00	92.5 AV			1.06 H	38	61.90	30.60
5	4824.00	53.3 PK	74.0	-20.7	1.04 H	20	16.70	36.60
6	4824.00	41.9 AV	54.0	-12.1	1.04 H	20	5.30	36.60
7	#7236.00	52.8 PK	84.4	-31.6	1.32 H	55	9.70	43.10
8	#7236.00	40.3 AV	72.5	-32.2	1.32 H	55	-2.80	43.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	57.9 PK	74.0	-16.1	1.00 V	303	27.40	30.50
2	2390.00	43.5 AV	54.0	-10.5	1.00 V	303	13.00	30.50
3	*2412.00	96.5 PK			1.00 V	303	65.90	30.60
4	*2412.00	84.9 AV			1.00 V	303	54.30	30.60
5	4824.00	47.3 PK	74.0	-26.7	1.00 V	350	10.70	36.60
6	4824.00	38.5 AV	54.0	-15.5	1.00 V	350	1.90	36.60
7	#7236.00	52.4 PK	76.5	-24.1	1.00 V	21	9.30	43.10
8	#7236.00	38.2 AV	64.9	-26.7	1.00 V	21	-4.90	43.10

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH	TESTED BY	Frank Wang

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	104.6 PK			1.35 H	40	73.90	30.70
2	*2437.00	93.0 AV			1.35 H	40	62.30	30.70
3	4874.00	53.7 PK	74.0	-20.3	1.30 H	20	17.00	36.70
4	4874.00	42.3 AV	54.0	-11.7	1.30 H	20	5.60	36.70
5	7311.00	53.0 PK	74.0	-21.0	1.09 H	57	9.70	43.30
6	7311.00	40.3 AV	54.0	-13.7	1.09 H	57	-3.00	43.30
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	97.2 PK			1.00 V	300	66.50	30.70
2	*2437.00	85.2 AV			1.00 V	300	54.50	30.70
3	4874.00	47.8 PK	74.0	-26.2	1.00 V	180	11.10	36.70
4	4874.00	38.6 AV	54.0	-15.4	1.00 V	180	1.90	36.70
5	7311.00	52.2 PK	74.0	-21.8	1.00 V	26	8.90	43.30
6	7311.00	38.0 AV	54.0	-16.0	1.00 V	26	-5.30	43.30

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH	TESTED BY	Frank Wang

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	105.2 PK			1.30 H	107	74.40	30.80
2	*2462.00	93.7 AV			1.30 H	107	62.90	30.80
3	2483.50	64.4 PK	74.0	-9.6	1.30 H	104	33.50	30.90
4	2483.50	50.8 AV	54.0	-3.2	1.30 H	104	19.90	30.90
5	4924.00	52.4 PK	74.0	-21.6	1.00 H	26	15.60	36.80
6	4924.00	40.8 AV	54.0	-13.2	1.00 H	26	4.00	36.80
7	7386.00	51.5 PK	74.0	-22.5	1.09 H	56	8.10	43.40
8	7386.00	40.8 AV	54.0	-13.2	1.09 H	56	-2.60	43.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	97.6 PK			1.58 V	356	66.80	30.80
2	*2462.00	86.1 AV			1.58 V	356	55.30	30.80
3	2483.50	54.5 PK	74.0	-19.5	1.61 V	356	23.60	30.90
4	2483.50	42.2 AV	54.0	-11.8	1.61 V	356	11.30	30.90
5	4924.00	47.0 PK	74.0	-27.0	1.12 V	207	10.20	36.80
6	4924.00	38.2 AV	54.0	-15.8	1.12 V	207	1.40	36.80
7	7386.00	52.0 PK	74.0	-22.0	1.04 V	40	8.60	43.40
8	7386.00	38.0 AV	54.0	-16.0	1.04 V	40	-5.40	43.40

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

802.11n (40MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH	TESTED BY	Frank Wang

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	1.33 H	108	32.00	30.50
2	2390.00	50.7 AV	54.0	-3.3	1.33 H	108	20.20	30.50
3	*2422.00	100.1 PK			1.31 H	78	69.50	30.60
4	*2422.00	89.1 AV			1.31 H	78	58.50	30.60
5	4844.00	47.8 PK	74.0	-26.2	1.05 H	20	11.20	36.60
6	4844.00	40.3 AV	54.0	-13.7	1.05 H	20	3.70	36.60
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	55.1 PK	74.0	-18.9	1.00 V	302	24.60	30.50
2	2390.00	43.5 AV	54.0	-10.5	1.00 V	302	13.00	30.50
3	*2422.00	91.7 PK			1.00 V	302	61.10	30.60
4	*2422.00	81.1 AV			1.00 V	302	50.50	30.60
5	4844.00	47.0 PK	74.0	-27.0	1.00 V	196	10.40	36.60
6	4844.00	38.4 AV	54.0	-15.6	1.00 V	196	1.80	36.60

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

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 4	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH	TESTED BY	Frank Wang

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	57.0 PK	74.0	-17.0	1.31 H	104	26.50	30.50
2	2390.00	45.7 AV	54.0	-8.3	1.31 H	104	15.20	30.50
3	*2437.00	100.1 PK			1.05 H	36	69.40	30.70
4	*2437.00	89.1 AV			1.05 H	36	58.40	30.70
5	2483.50	57.7 PK	74.0	-16.3	1.31 H	104	26.80	30.90
6	2483.50	47.5 AV	54.0	-6.5	1.31 H	104	16.60	30.90
7	4874.00	47.3 PK	74.0	-26.7	1.02 H	22	10.60	36.70
8	4874.00	40.4 AV	54.0	-13.6	1.02 H	22	3.70	36.70
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	51.0 PK	74.0	-23.0	1.00 V	303	20.50	30.50
2	2390.00	41.8 AV	54.0	-12.2	1.00 V	303	11.30	30.50
3	*2437.00	91.4 PK			1.00 V	303	60.70	30.70
4	*2437.00	80.8 AV			1.00 V	303	50.10	30.70
5	2483.50	52.9 PK	74.0	-21.1	1.00 V	303	22.00	30.90
6	2483.50	42.3 AV	54.0	-11.7	1.00 V	303	11.40	30.90
7	4874.00	47.1 PK	74.0	-26.9	1.00 V	195	10.40	36.70
8	4874.00	38.0 AV	54.0	-16.0	1.00 V	195	1.30	36.70

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 7	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	23deg. C, 65%RH	TESTED BY	Frank Wang

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	99.9 PK			1.33 H	104	69.10	30.80
2	*2452.00	89.3 AV			1.33 H	104	58.50	30.80
3	2483.50	65.1 PK	74.0	-8.9	1.30 H	104	34.20	30.90
4	2483.50	50.5 AV	54.0	-3.5	1.30 H	104	19.60	30.90
5	4904.00	48.6 PK	74.0	-25.4	1.00 H	20	11.80	36.80
6	4904.00	40.8 AV	54.0	-13.2	1.00 H	20	4.00	36.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	92.2 PK			1.00 V	303	61.40	30.80
2	*2452.00	81.2 AV			1.00 V	303	50.40	30.80
3	2483.50	54.8 PK	74.0	-19.2	1.00 V	303	23.90	30.90
4	2483.50	43.4 AV	54.0	-10.6	1.00 V	303	12.50	30.90
5	4904.00	47.8 PK	74.0	-26.2	1.00 V	198	11.00	36.80
6	4904.00	38.6 AV	54.0	-15.4	1.00 V	198	1.80	36.80

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

BELOW 1GHz WORST-CASE DATA： 802.11n (20MHz)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120 Vac, 60Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH	TESTED BY	Frank Wang

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	84.34	32.0 QP	40.0	-8.0	2.00 H	205	23.40	8.60
2	150.45	39.8 QP	43.5	-3.7	1.50 H	286	25.90	13.90
3	175.72	40.4 QP	43.5	-3.1	2.00 H	226	27.80	12.60
4	**208.77**	**41.7 QP**	**43.5**	**-1.8**	**1.00 H**	**199**	**30.70**	**11.00**
5	488.75	39.2 QP	46.0	-6.8	2.00 H	334	20.30	18.90
6	955.38	37.7 QP	46.0	-8.3	1.50 H	184	11.10	26.60
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	**82.40**	**38.2 QP**	**40.0**	**-1.8**	**1.25 V**	**286**	**29.80**	**8.40**
2	179.61	40.4 QP	43.5	-3.1	1.00 V	355	28.10	12.30
3	195.16	36.9 QP	43.5	-6.6	1.00 V	10	25.90	11.00
4	337.10	39.9 QP	46.0	-6.1	1.50 V	139	25.30	14.60
5	776.51	40.0 QP	46.0	-6.0	2.00 V	139	15.30	24.70
6	799.84	41.1 QP	46.0	-4.9	2.00 V	124	15.70	25.40
7	930.11	40.4 QP	46.0	-5.6	1.00 V	184	14.00	26.40

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

4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

NOTE: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

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.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100289	Nov. 23, 2010	Nov. 22, 2011
RF signal cable Woken	5D-FB	Cable-HYCO2-01	Dec. 30, 2010	Dec. 29, 2011
LISN ROHDE & SCHWARZ	ESH2-Z5	100100	Jan. 06, 2011	Jan. 05, 2012
LISN ROHDE & SCHWARZ	ENV216	100072	Jun. 11, 2010	Jun. 10, 2011
Software ADT	ADT_Cond_ V7.3.7	NA	NA	NA

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

2. The test was performed in HwaYa Shielded Room 2.

3. The VCCI Site Registration No. is C-2047.

4.2.3 TEST PROCEDURES

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

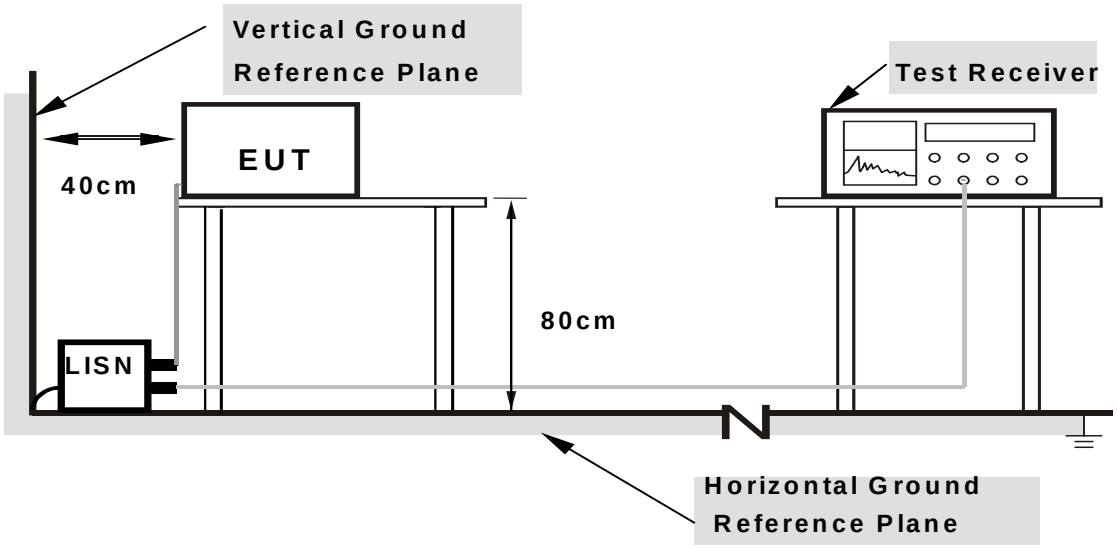
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

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

4.2.4 DEVIATION FROM TEST STANDARD

No deviation.

4.2.5 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6.

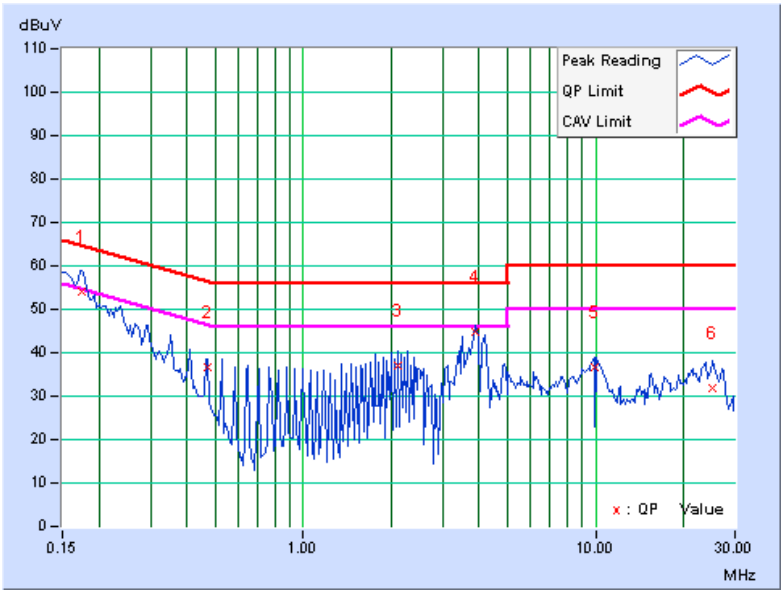
4.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA：802.11n (20MHz)

PHASE	Line 1	6dB BANDWIDTH	9kHz

No	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.175**	**0.15**	**54.09**	**-**	**54.24**	**-**	**64.73**	**54.73**	**-10.49**	**-**
2	0.470	0.17	36.42	-	36.59	-	56.51	46.51	-19.92	-
3	2.109	0.23	36.91	-	37.14	-	56.00	46.00	-18.86	-
4	3.859	0.31	44.50	-	44.81	-	56.00	46.00	-11.19	-
5	9.934	0.56	36.06	-	36.62	-	60.00	50.00	-23.38	-
6	25.234	1.23	30.78	-	32.01	-	60.00	50.00	-27.99	-

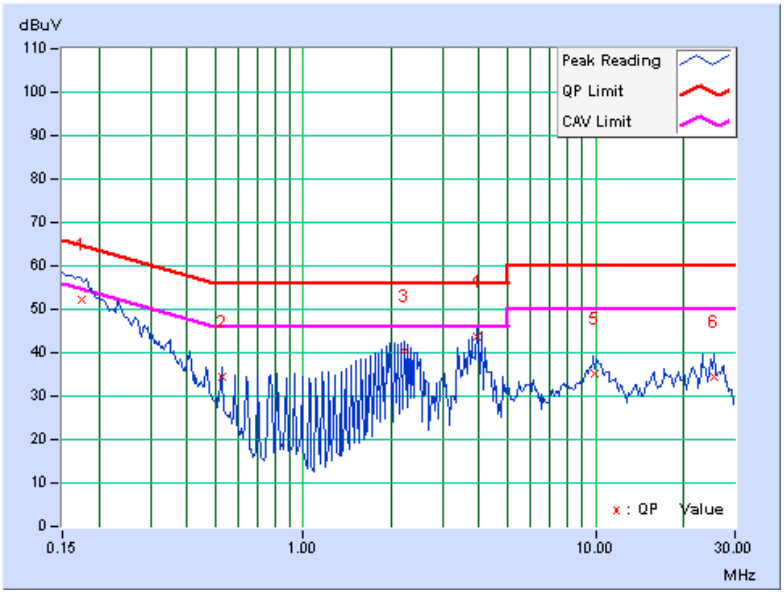
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 2	6dB BANDWIDTH	9kHz

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	0.175	0.16	52.23	-	52.39	-	64.72	54.72	-12.33	-
2	0.525	0.19	34.40	-	34.59	-	56.00	46.00	-21.41	-
3	2.219	0.24	39.99	-	40.23	-	56.00	46.00	-15.77	-
4	3.908	0.32	43.54	-	43.86	-	56.00	46.00	-12.14	-
5	9.903	0.50	34.73	-	35.23	-	60.00	50.00	-24.77	-
6	25.387	1.05	33.47	-	34.52	-	60.00	50.00	-25.48	-

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
SPECTRUM ANALYZER R&S	FSP40	100040	Jul. 17, 2010	Jul. 16, 2011

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

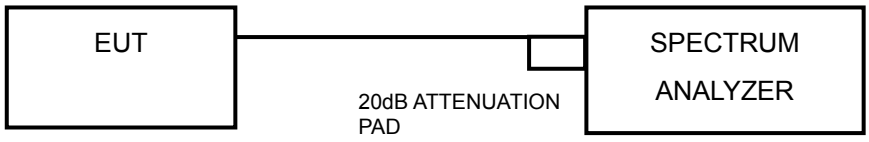
4.3.3 TEST PROCEDURE

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

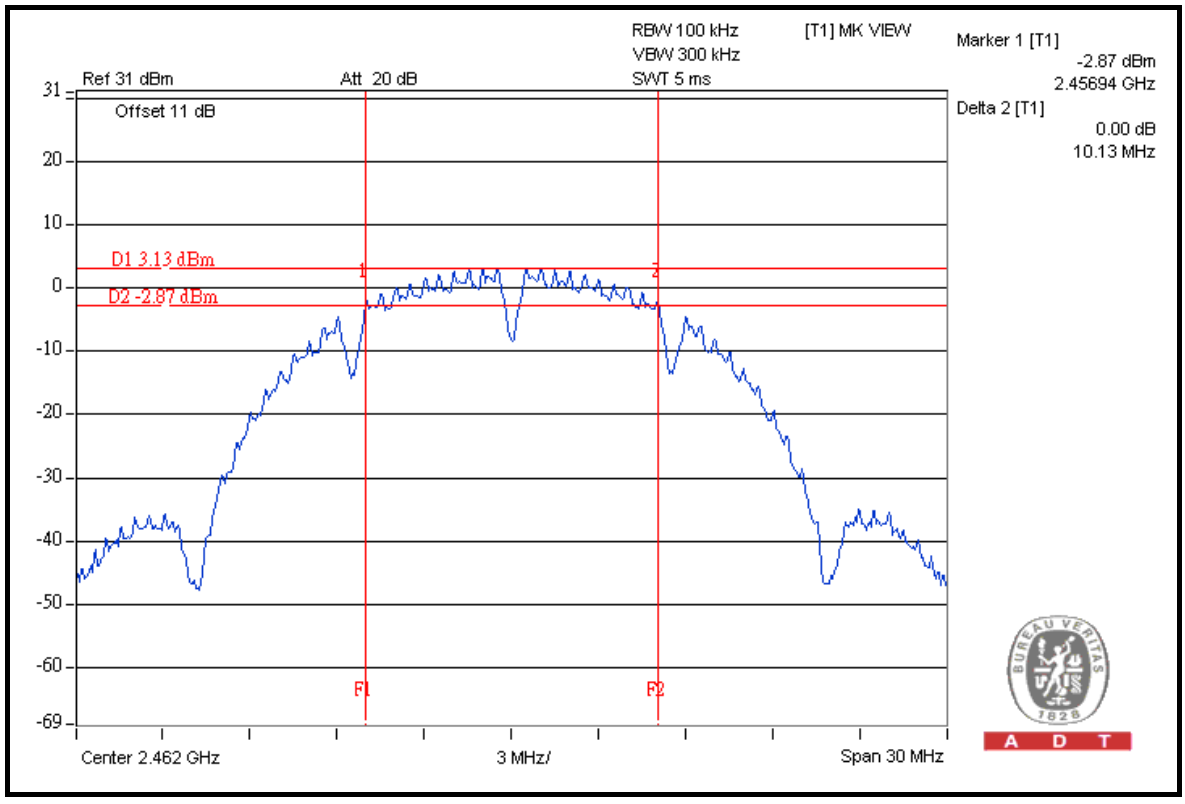
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 TEST RESULTS

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	10.12	0.5	PASS
6	2437	10.11	0.5	PASS
11	2462	10.13	0.5	PASS

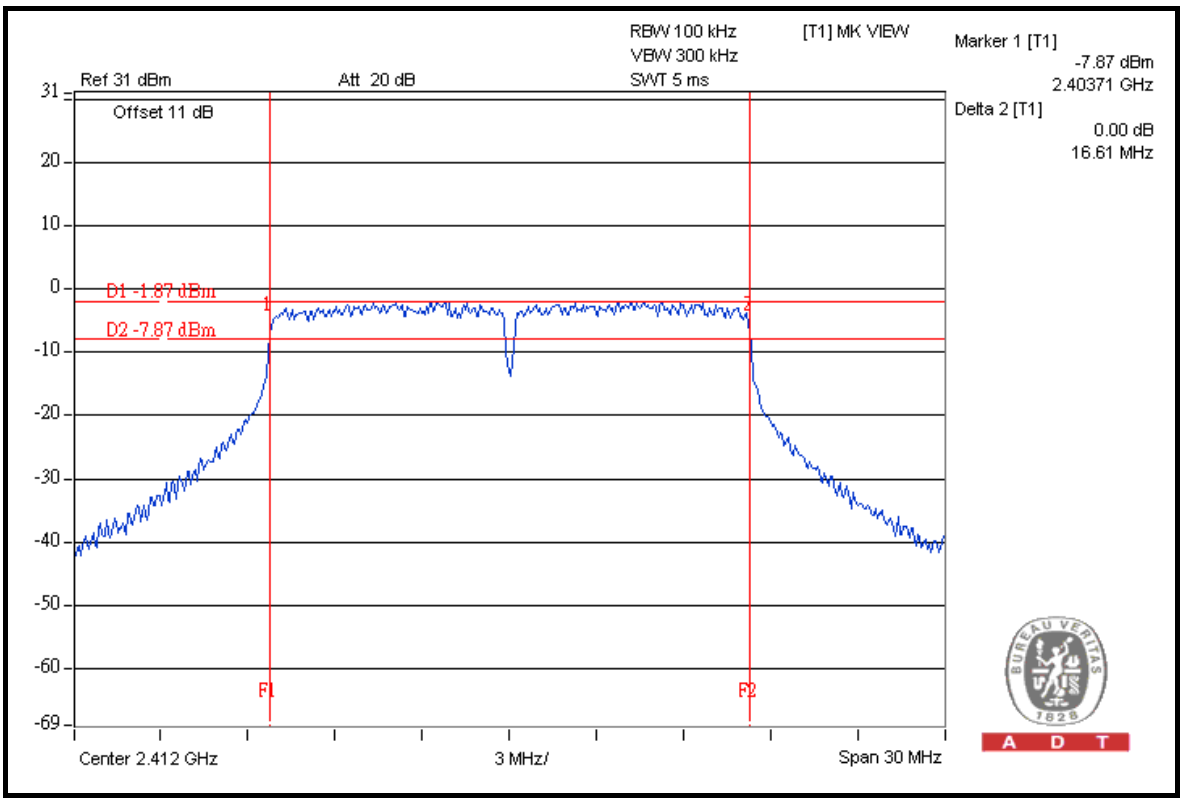
CH 11



802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	16.61	0.5	PASS
6	2437	16.59	0.5	PASS
11	2462	16.58	0.5	PASS

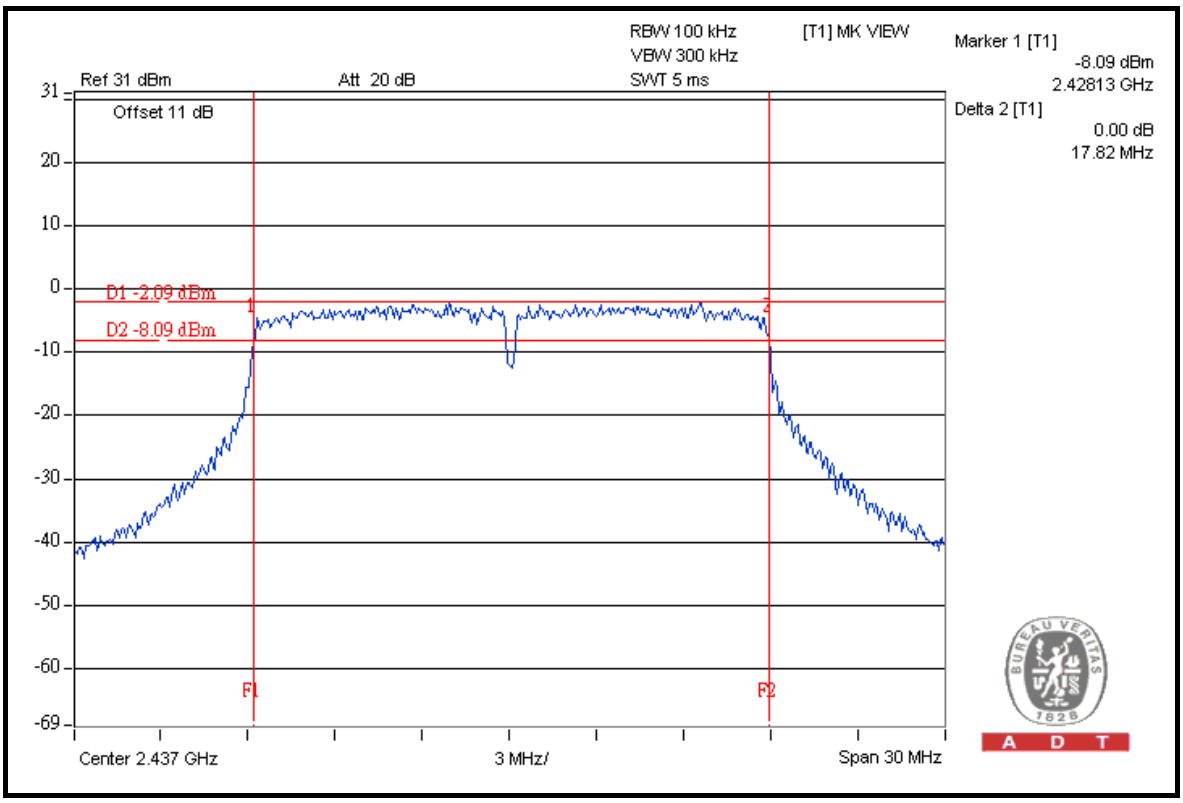
CH 1



802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
1	2412	17.82	17.74	0.5	PASS
6	2437	17.82	17.73	0.5	PASS
11	2462	17.78	17.76	0.5	PASS

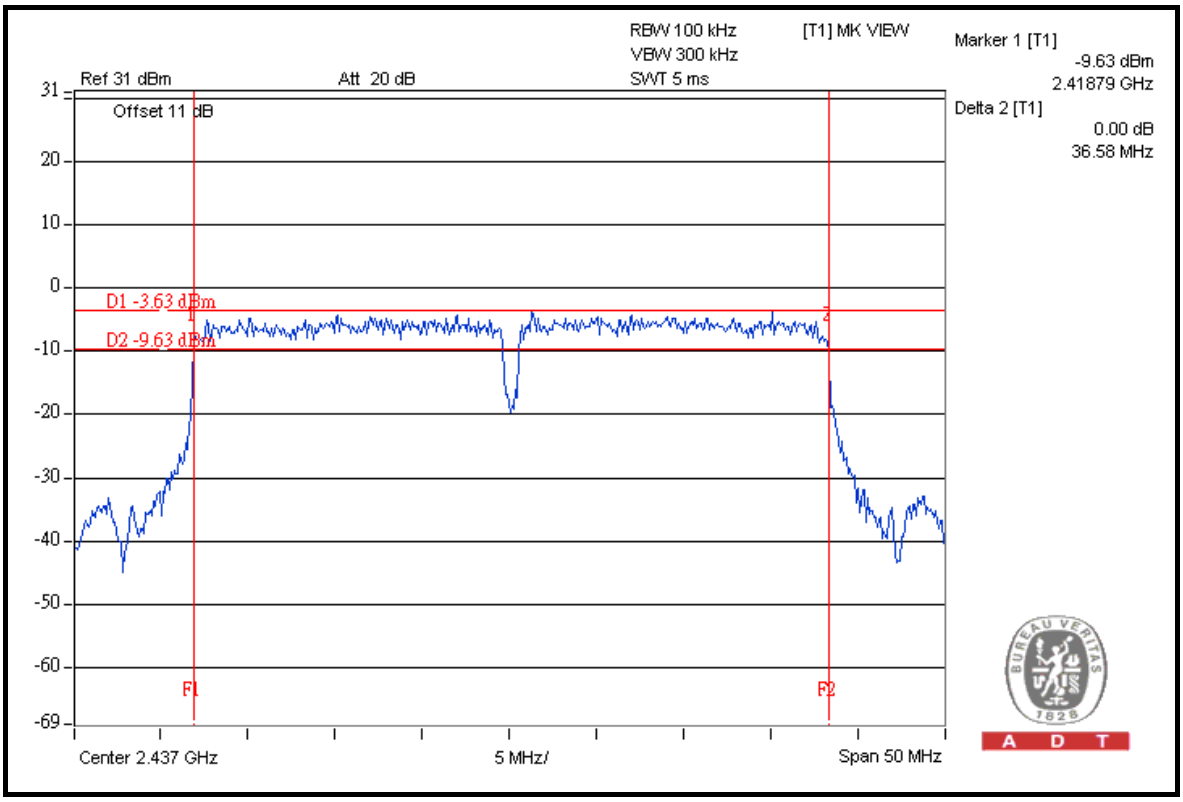
FOR CHAIN 0: CH 6



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)		MINIMUM LIMIT (MHz)	PASS / FAIL
		CHAIN 0	CHAIN 1		
1	2422	36.52	36.50	0.5	PASS
4	2437	36.53	36.58	0.5	PASS
7	2452	36.52	36.54	0.5	PASS

FOR CHAIN 1: CH 4



4.4 MAXIMUM OUTPUT POWER

4.4.1 LIMITS OF MAXIMUM OUTPUT POWER MEASUREMENT

The Maximum Output Power Measurement is 30dBm.

4.4.2 INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
High Speed Peak Power Meter	ML2495A	0824011	Aug. 02, 2010	Aug. 01, 2011
Power Sensor	MA2411B	0738171	Aug. 02, 2010	Aug. 01, 2011

NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. Measurement Bandwidth of ML2495A is 65MHz greater than 6dB bandwidth of emission.

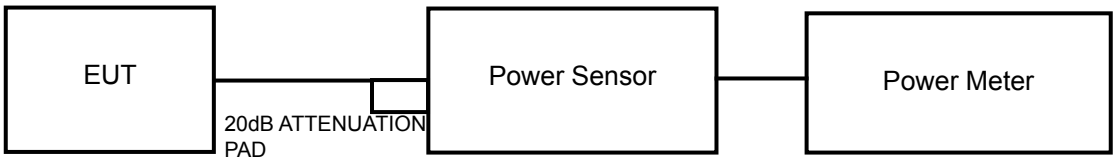
4.4.3 TEST PROCEDURES

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

4.4.4 DEVIATION FROM TEST STANDARD

No deviation.

4.4.5 TEST SETUP



4.4.6 EUT OPERATING CONDITIONS

Same as Item 4.3.6.

4.4.7 TEST RESULTS

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	POWER OUTPUT (mW)	POWER OUTPUT (dBm)	POWER LIMIT (dBm)	PASS/FAIL
1	2412	40.7	16.1	30	PASS
6	2437	37.2	15.7	30	PASS
11	2462	38.0	15.8	30	PASS

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	POWER OUTPUT (mW)	POWER OUTPUT (dBm)	POWER LIMIT (dBm)	PASS/FAIL
1	2412	162.2	22.1	30	PASS
6	2437	195.0	22.9	30	PASS
11	2462	182.0	22.6	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	20.7	21.2	249.3	24.0	30	PASS
6	2437	21.7	21.9	**302.8**	24.8	30	PASS
11	2462	21.2	21.6	276.4	24.4	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	20.7	21.5	258.7	24.1	30	PASS
4	2437	21.2	21.6	276.4	24.4	30	PASS
7	2452	21.3	21.5	276.2	24.4	30	PASS

4.5 POWER SPECTRAL DENSITY MEASUREMENT

4.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm.

4.5.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
SPECTRUM ANALYZER R&S	FSP40	100040	Jul. 17, 2010	Jul. 16, 2011

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.

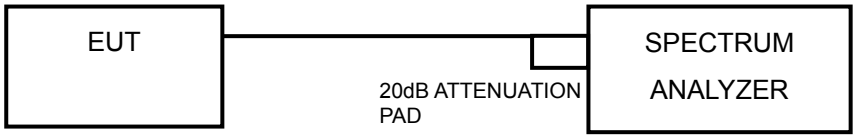
The sweep time is allowed to be longer than span/3kHz for a full response of the mixer in the spectrum analyzer.

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

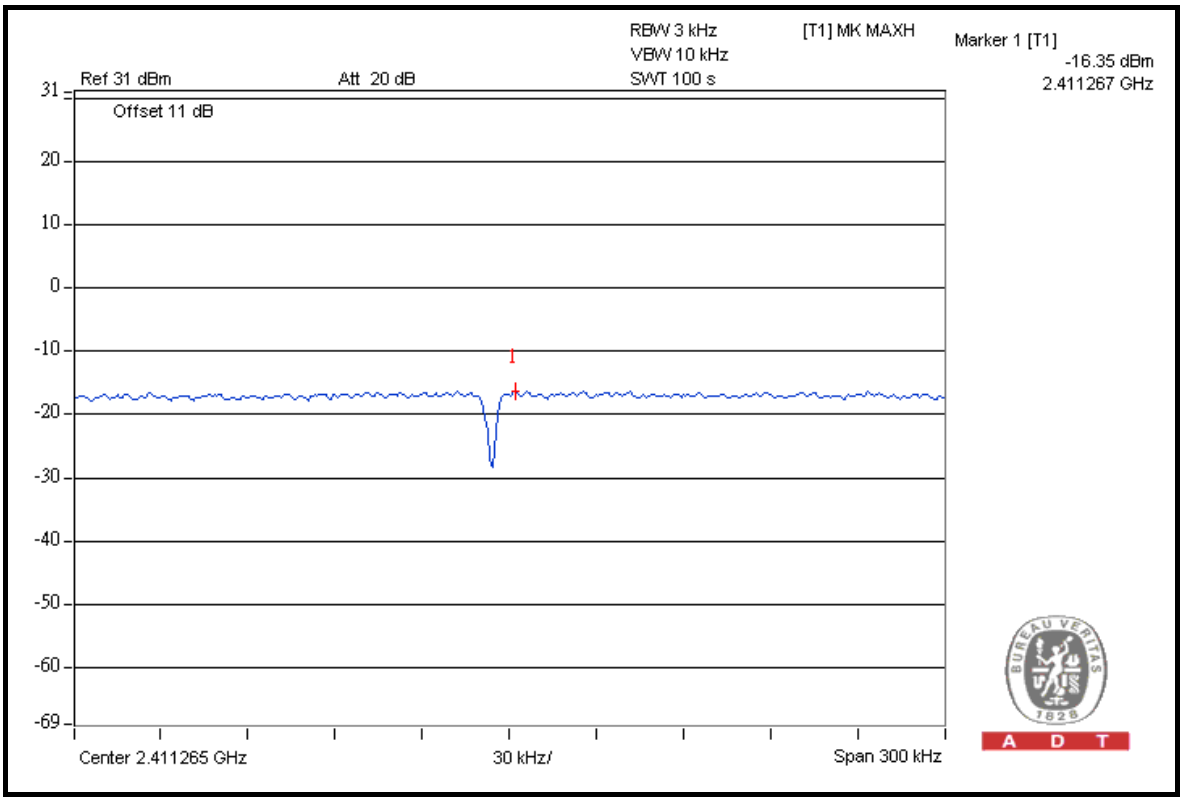
Same as Item 4.3.6

4.5.7 TEST RESULTS

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-16.4	8	PASS
6	2437	-16.8	8	PASS
11	2462	-16.6	8	PASS

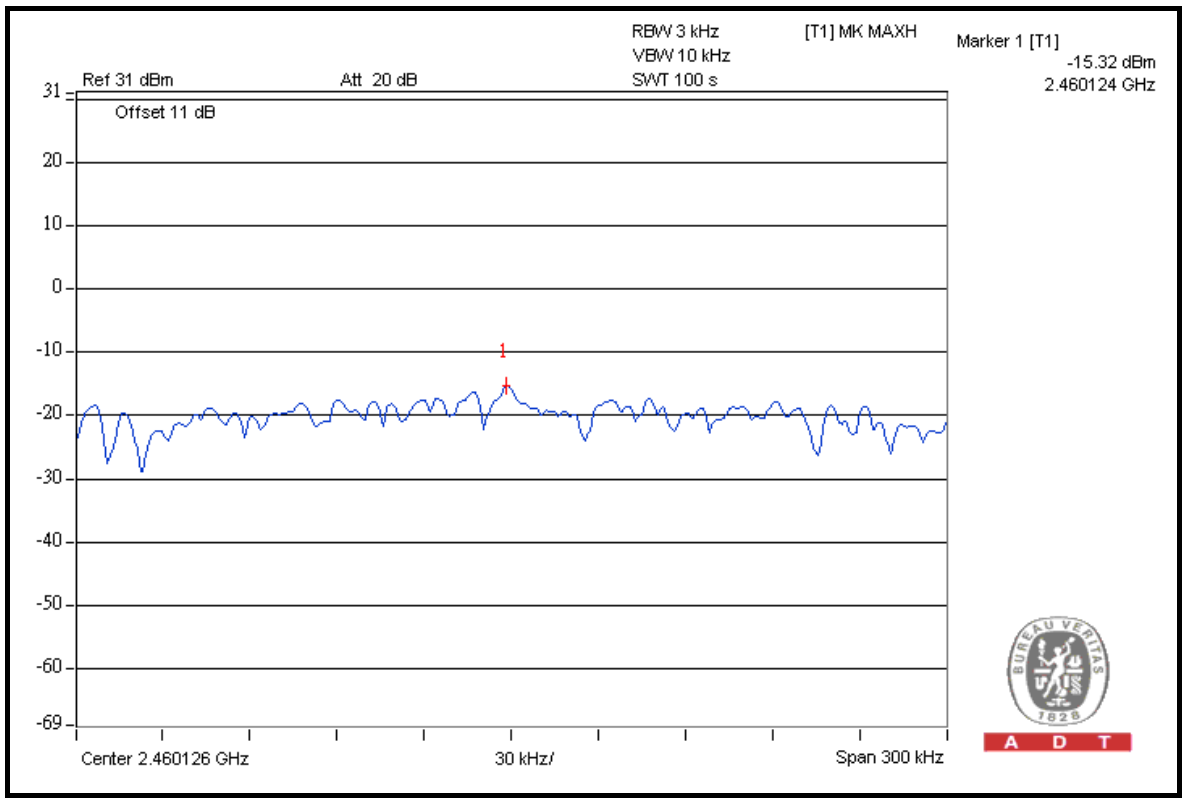
CH 1



802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-15.9	8	PASS
6	2437	-15.4	8	PASS
11	2462	-15.3	8	PASS

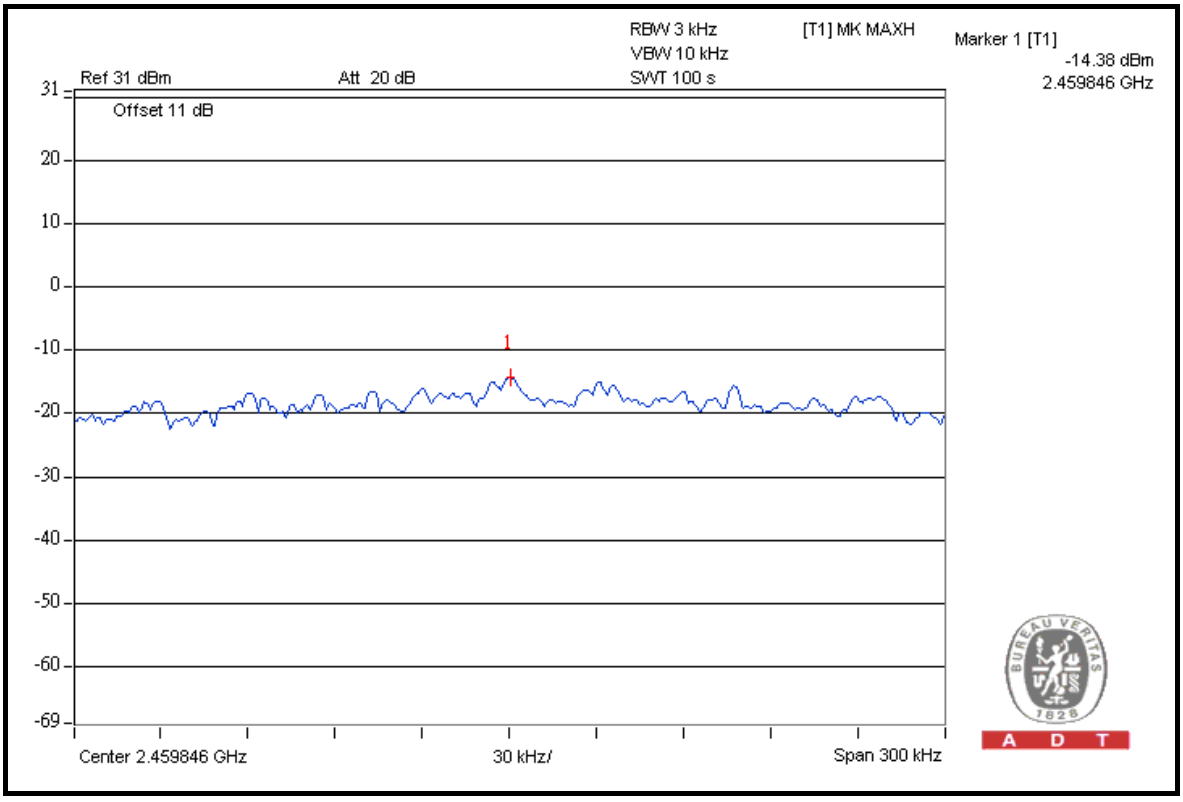
CH 11



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	-15.7	3.01	-12.7	8	PASS
	6	2437	-15.2	3.01	-12.2	8	PASS
	11	2462	-14.6	3.01	-11.5	8	PASS
1	1	2412	-15.2	3.01	-12.1	8	PASS
	6	2437	-14.6	3.01	-11.6	8	PASS
	11	2462	-14.4	3.01	-11.4	8	PASS

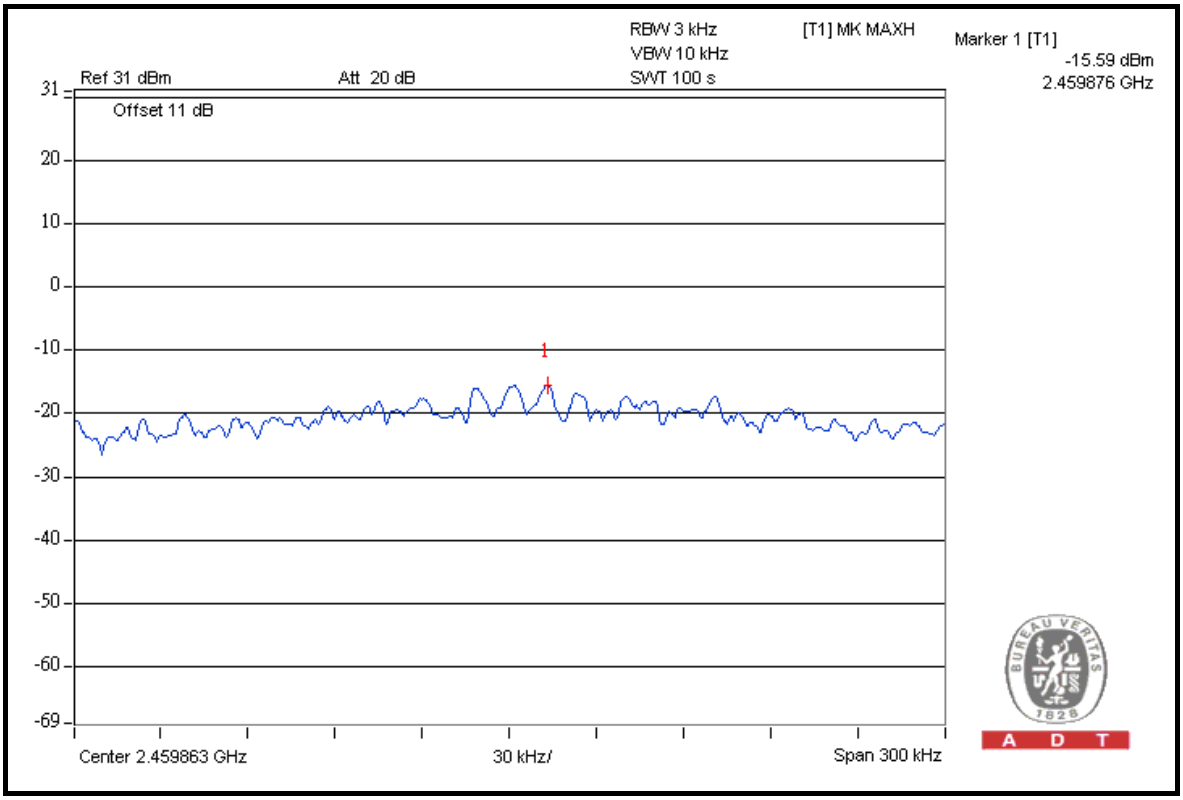
FOR CHAIN 1: CH 11



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	-16.6	3.01	-13.6	8	PASS
	4	2437	-16.1	3.01	-13.1	8	PASS
	7	2452	-15.6	3.01	-12.6	8	PASS
1	1	2422	-18.0	3.01	-15.0	8	PASS
	4	2437	-17.9	3.01	-14.9	8	PASS
	7	2452	-18.0	3.01	-15.0	8	PASS

FOR CHAIN 0: CH 7



4.6 BAND EDGES MEASUREMENT

4.6.1 LIMITS OF BAND EDGES MEASUREMENT

Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.6.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
FOR CONDUCTED MEASUREMENT				
SPECTRUM ANALYZER R&S	FSP40	100040	Jul. 17, 2010	Jul. 16, 2011
FOR RADIATED MEASUREMENT				
Test Receiver ROHDE & SCHWARZ	ESCI	100424	Aug. 04, 2010	Aug. 03, 2011
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100041	Jul. 09, 2010	Jul. 08, 2011
BILOG Antenna SCHWARZBECK	VULB9168	9168-156	Apr. 12, 2011	Apr. 11, 2012
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-209	Aug. 02, 2010	Aug. 01, 2011
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170243	Dec. 27, 2010	Dec. 26, 2011
Preamplifier Agilent	8449B	3008A01910	Sep. 09, 2010	Sep. 08, 2011
Preamplifier Agilent	8447D	2944A10638	Nov. 03, 2010	Nov. 02, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	218190/4 231241/4	May 14, 2010	May 13, 2011
RF signal cable Worken	8D-FB	Cable-HYCH9-01	Aug. 20, 2010	Aug. 19, 2011
Software	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower &Turn Table Controller EMCO	2090	NA	NA	NA

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

4.6.3 TEST PROCEDURE

FOR CONDUCTED MEASUREMENT:

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

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

FOR RADIATED MEASUREMENT:

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.

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

RESTRICT BAND (2310 ~ 2390 MHz)

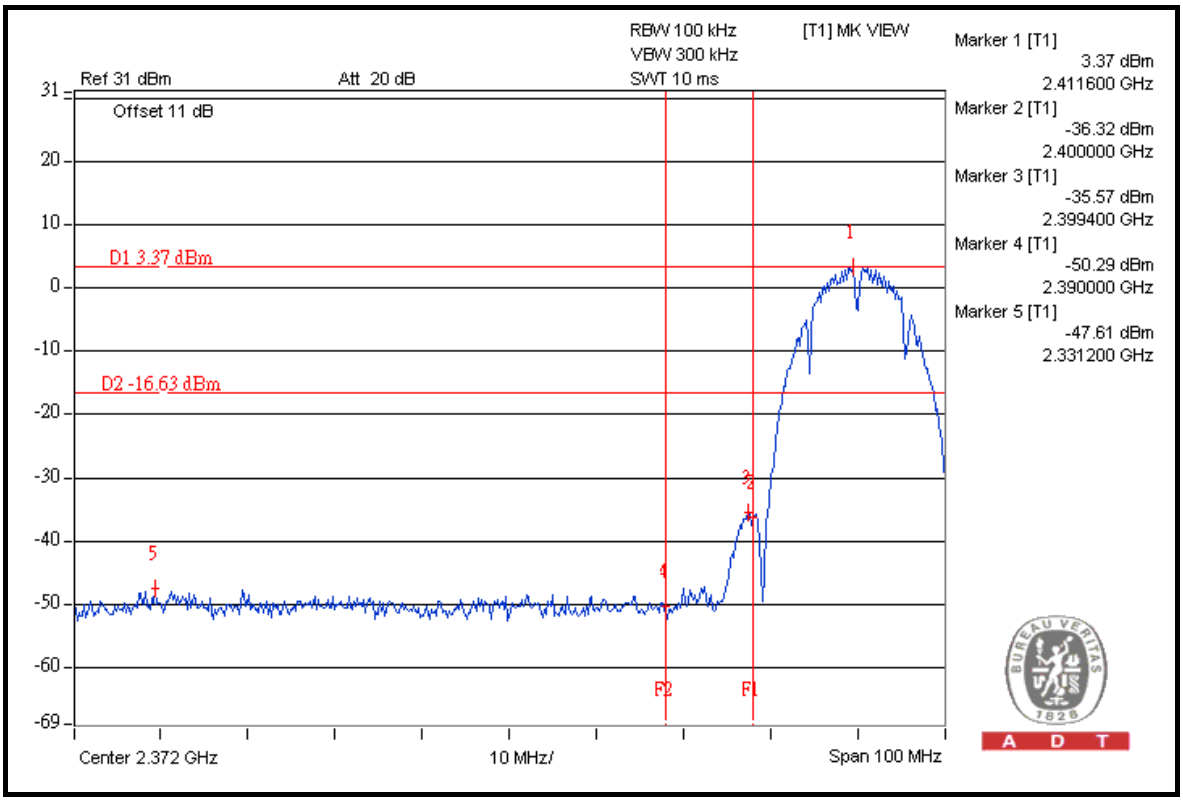
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	103.0	50.98	52.02	74.00
2412.00 (AV)	99.2	58.05	41.15	54.00

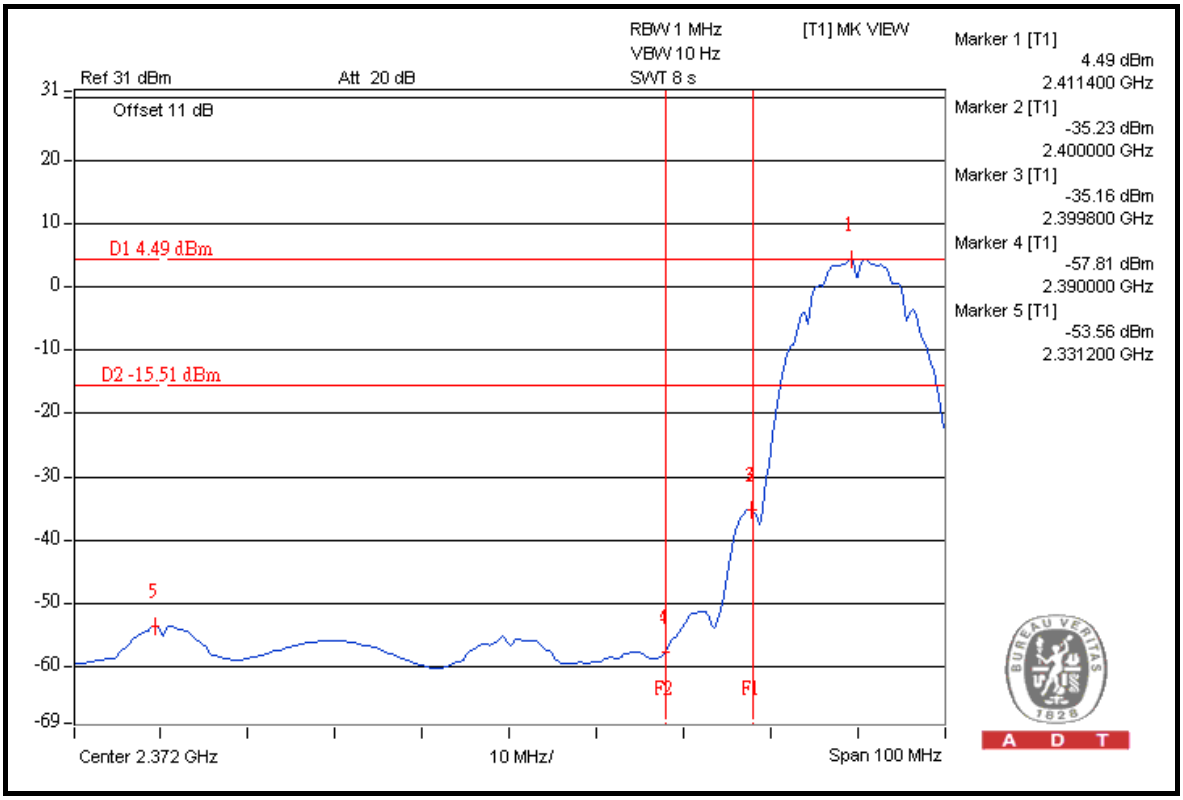
RESTRICT BAND (2483.5 ~ 2500 MHz)

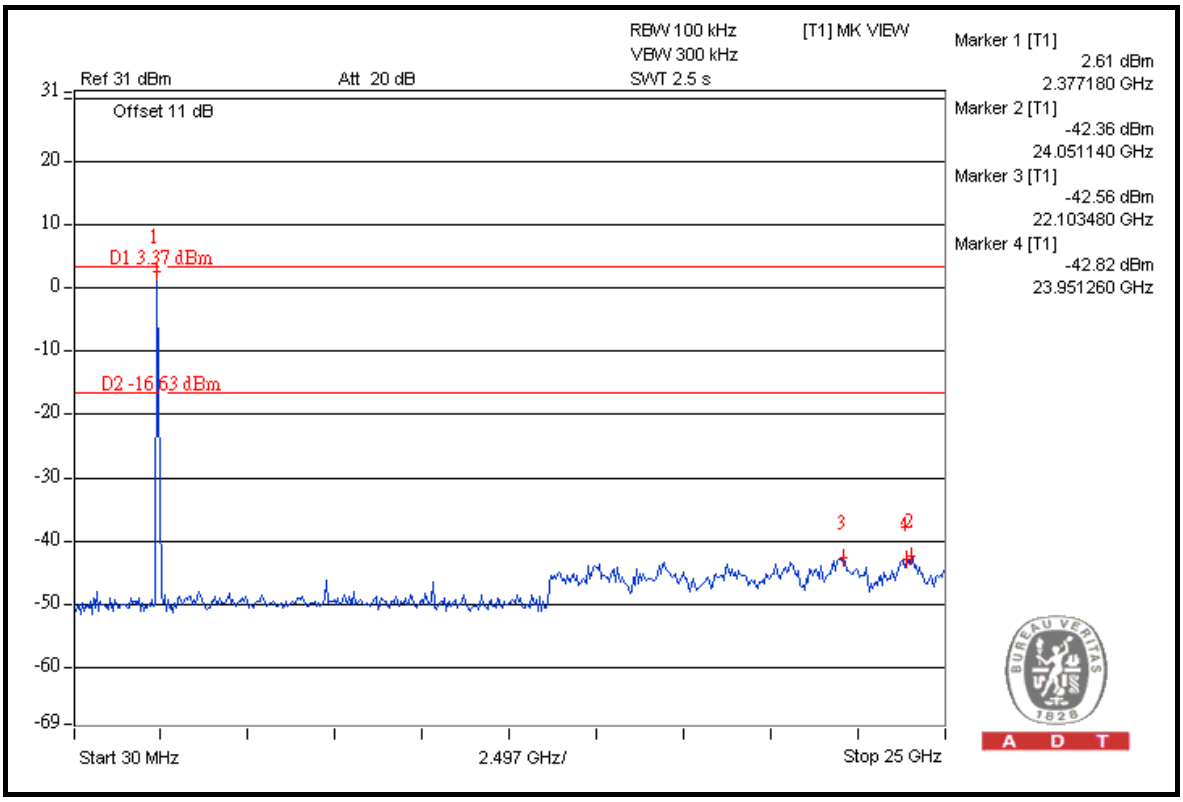
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	102.2	49.95	52.25	74.00
2462.00 (AV)	98.4	58.49	39.91	54.00

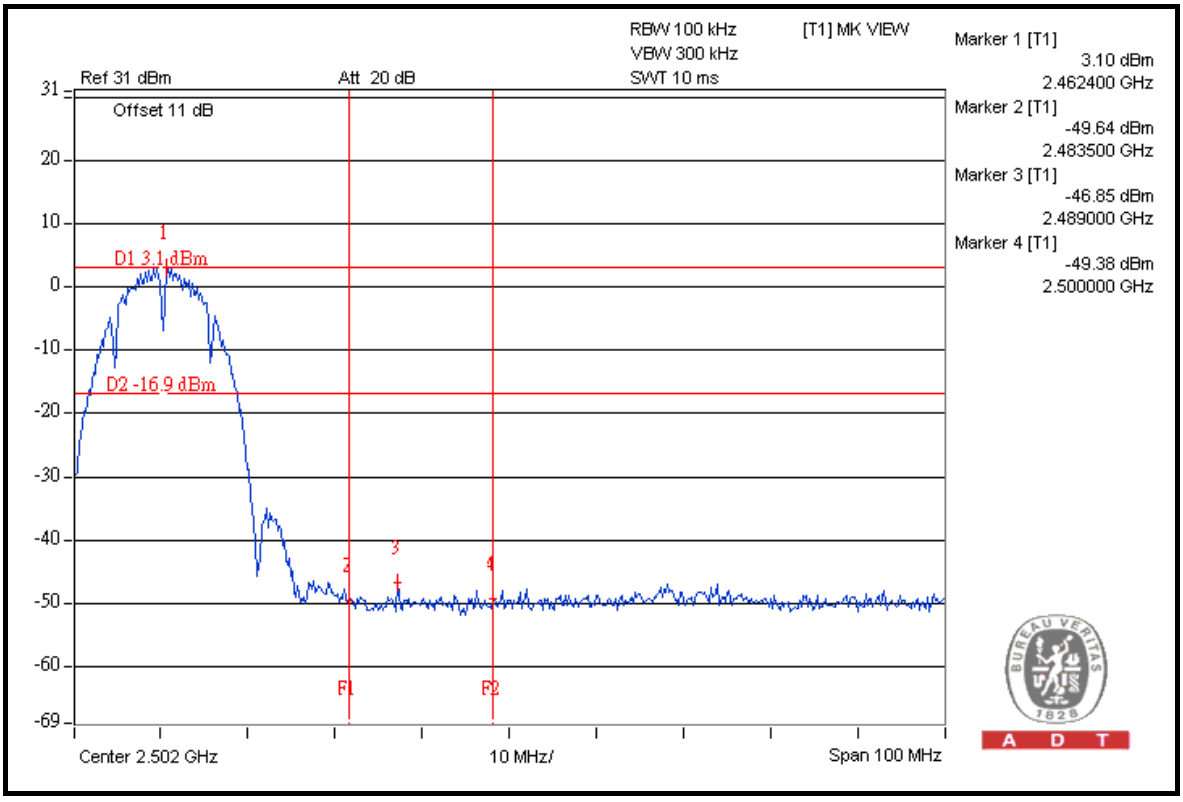
NOTE:

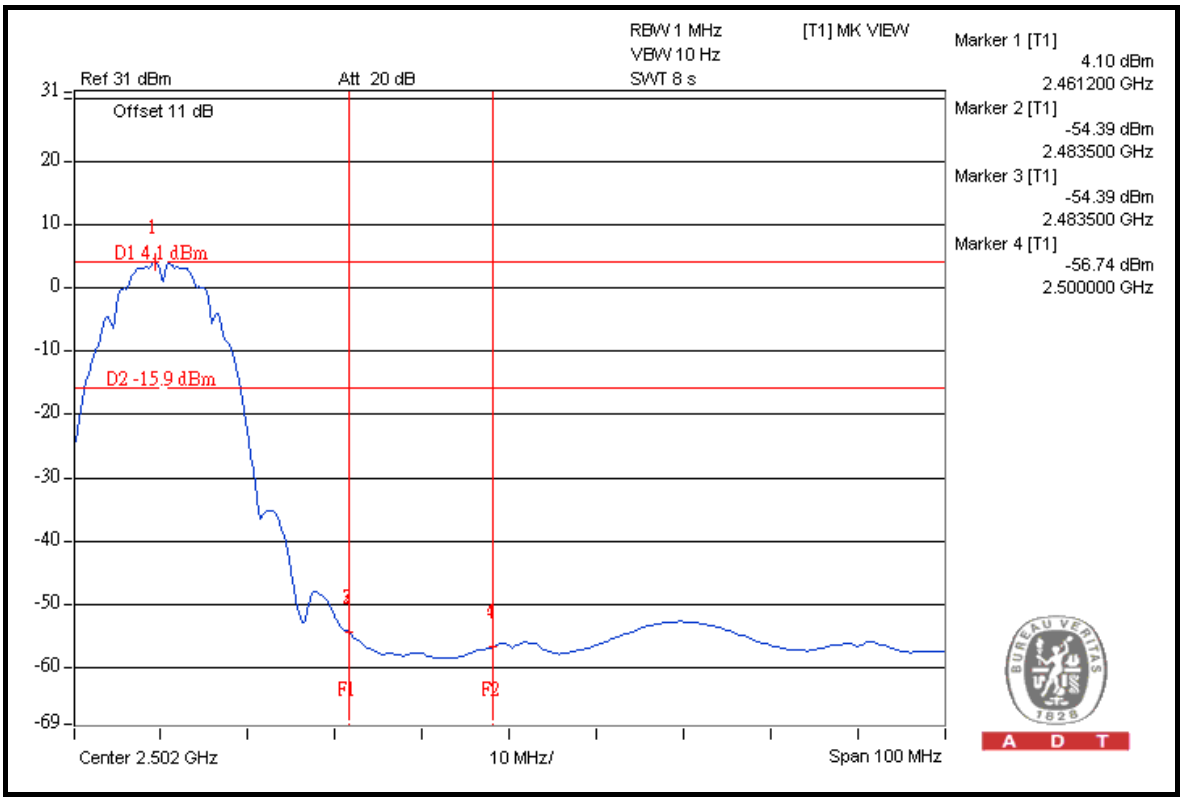
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

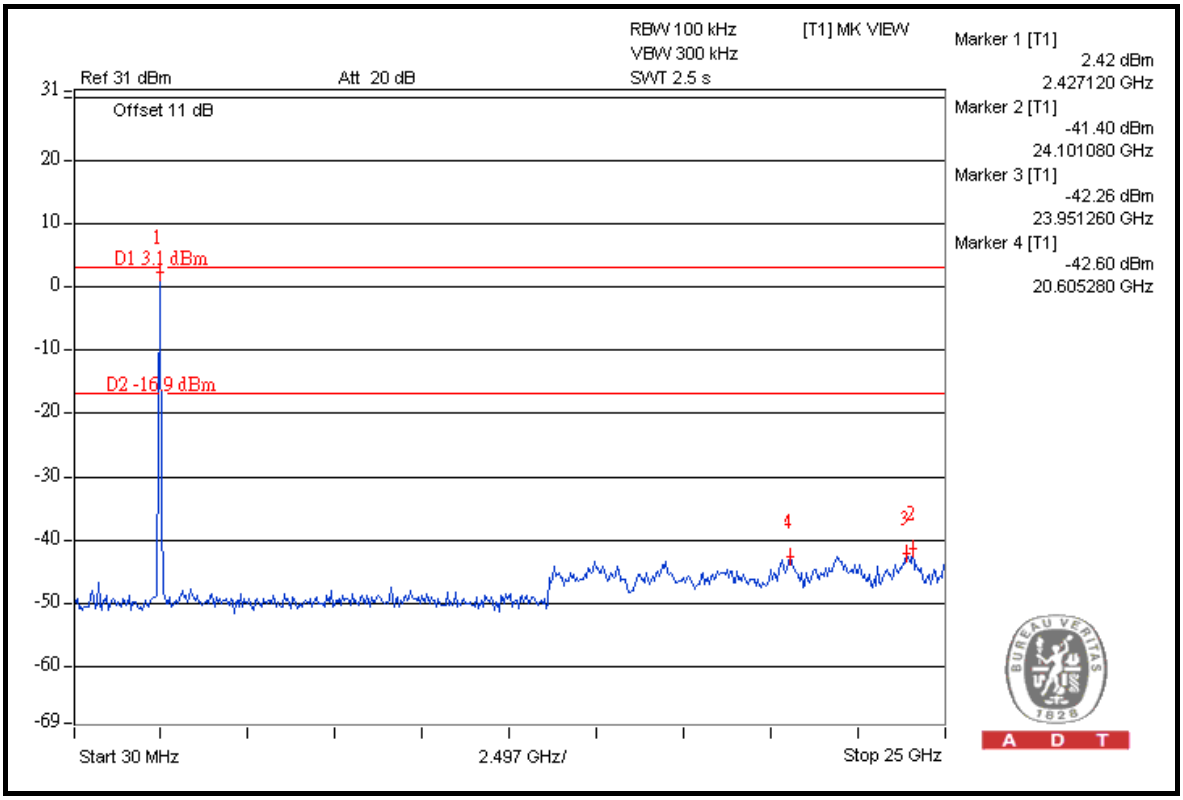

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 3.37 dBm
D2 -16.63 dBm
Marker 1 [T1]
3.37 dBm
2.411600 GHz
Marker 2 [T1]
-36.32 dBm
2.400000 GHz
Marker 3 [T1]
-35.57 dBm
2.399400 GHz
Marker 4 [T1]
-50.29 dBm
2.390000 GHz
Marker 5 [T1]
-47.61 dBm
2.331200 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 4.49 dBm
D2 -15.51 dBm
Marker 1 [T1]
4.49 dBm
2.411400 GHz
Marker 2 [T1]
-35.23 dBm
2.400000 GHz
Marker 3 [T1]
-35.16 dBm
2.399800 GHz
Marker 4 [T1]
-57.81 dBm
2.390000 GHz
Marker 5 [T1]
-53.56 dBm
2.331200 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 3.37 dBm
D2 -16.63 dBm
Marker 1 [T1]
2.61 dBm
2.377180 GHz
Marker 2 [T1]
-42.36 dBm
24.051140 GHz
Marker 3 [T1]
-42.56 dBm
22.103480 GHz
Marker 4 [T1]
-42.82 dBm
23.951260 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 3.1 dBm
D2 -16.9 dBm
Marker 1 [T1]
3.10 dBm
2.462400 GHz
Marker 2 [T1]
-49.64 dBm
2.483500 GHz
Marker 3 [T1]
-46.85 dBm
2.489000 GHz
Marker 4 [T1]
-49.38 dBm
2.500000 GHz
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 4.1 dBm
D2 -15.9 dBm
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz
Marker 1 [T1]
4.10 dBm
2.461200 GHz
Marker 2 [T1]
-54.39 dBm
2.483500 GHz
Marker 3 [T1]
-54.39 dBm
2.483500 GHz
Marker 4 [T1]
-56.74 dBm
2.500000 GHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 3.1 dBm
D2 -16.9 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz
Marker 1 [T1]
2.42 dBm
2.427120 GHz
Marker 2 [T1]
-41.40 dBm
24.101080 GHz
Marker 3 [T1]
-42.26 dBm
23.951260 GHz
Marker 4 [T1]
-42.60 dBm
20.605280 GHz

802.11g

RESTRICT BAND (2310 ~ 2390 MHz)

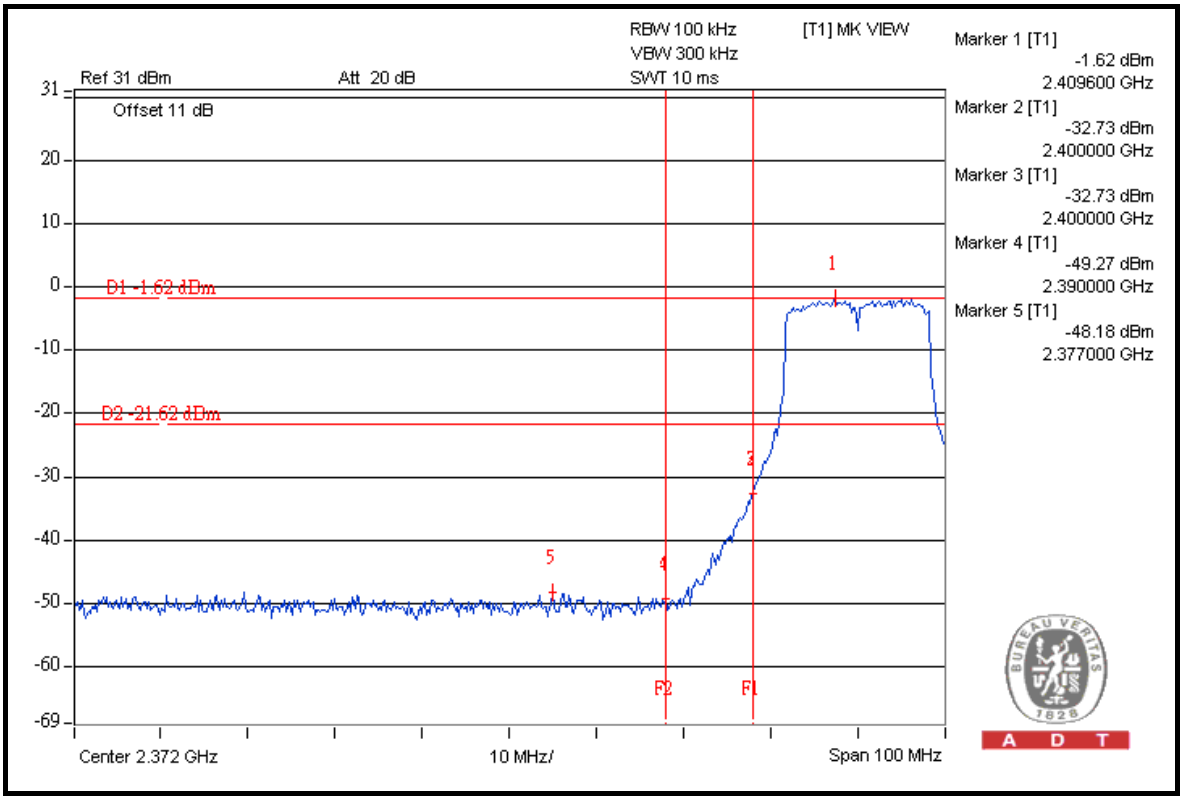
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	101.4	46.56	54.84	74.00
2412.00 (AV)	92.1	55.12	36.98	54.00

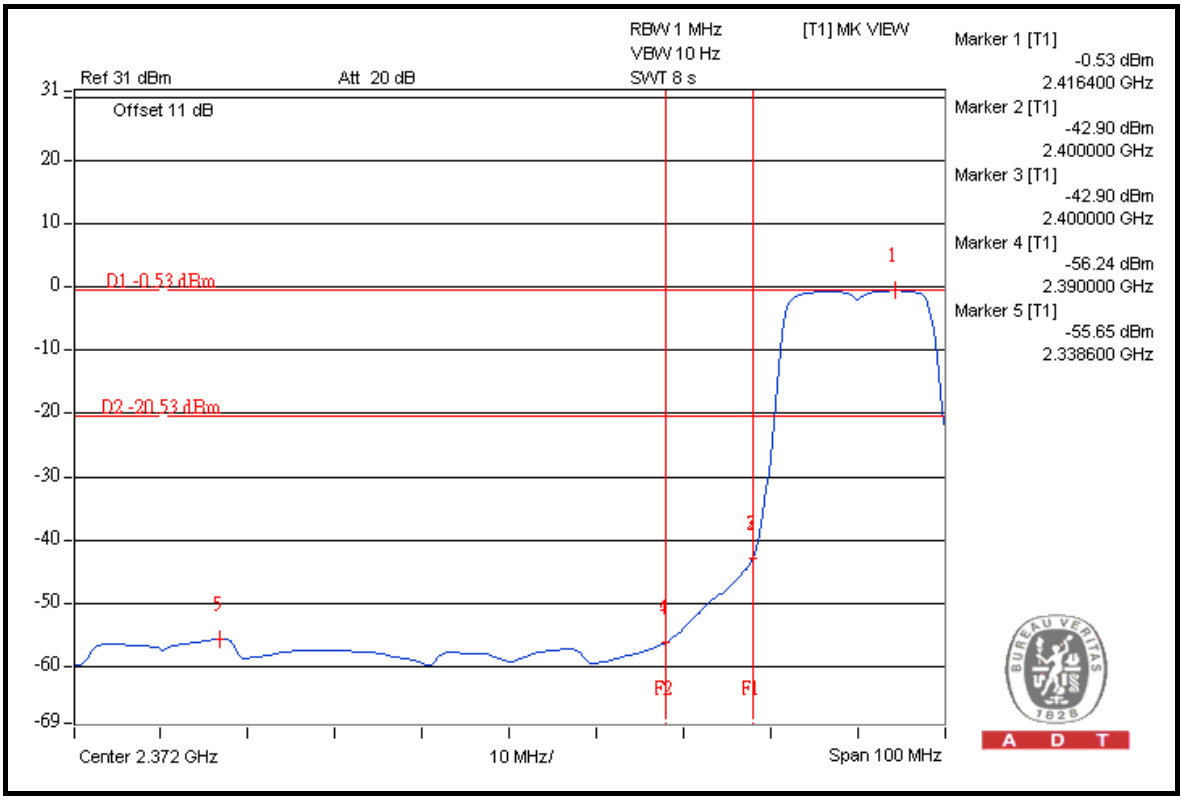
RESTRICT BAND (2483.5 ~ 2500 MHz)

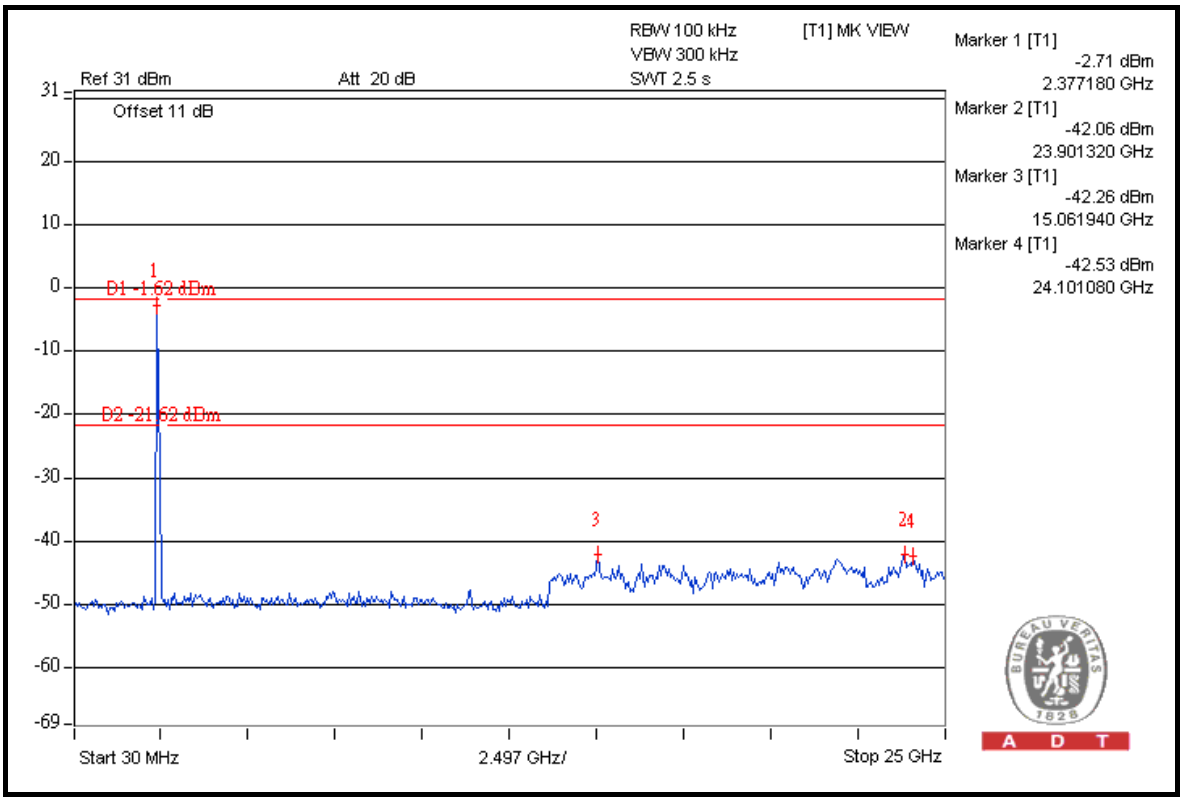
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	100.6	45.97	54.63	74.00
2462.00 (AV)	91.3	52.40	38.90	54.00

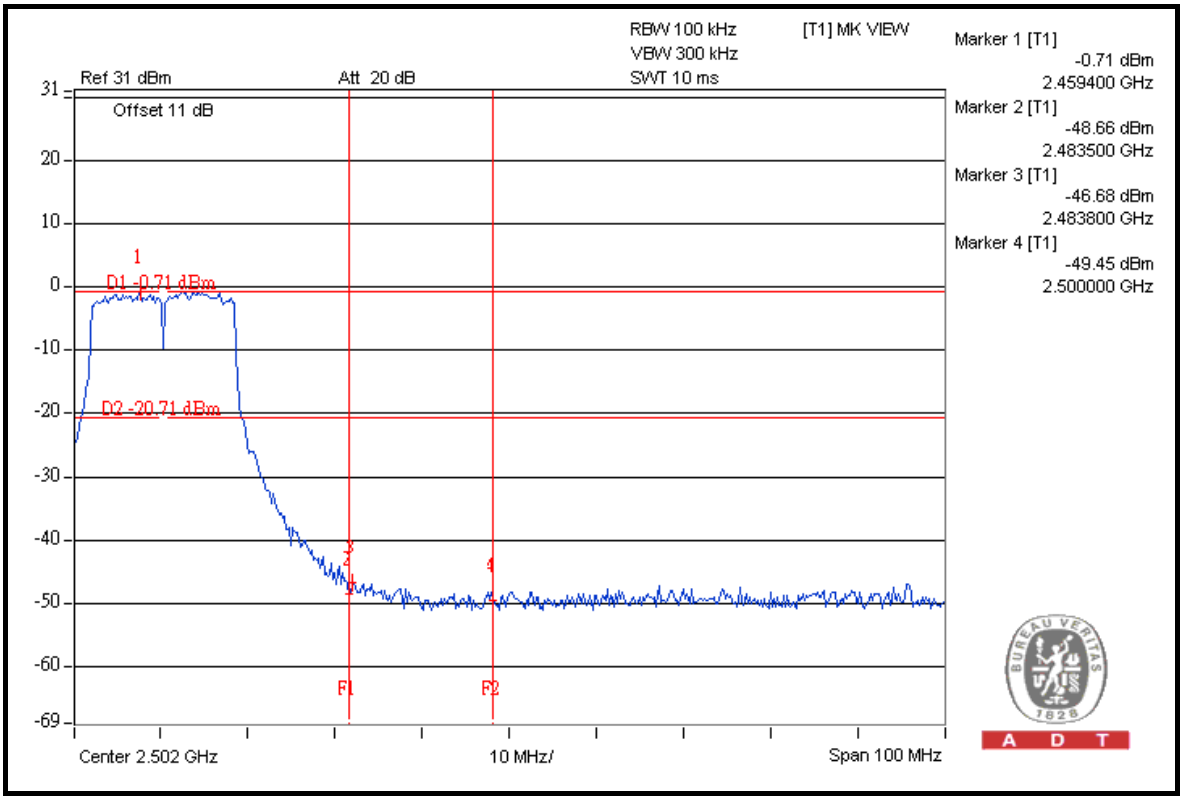
NOTE:

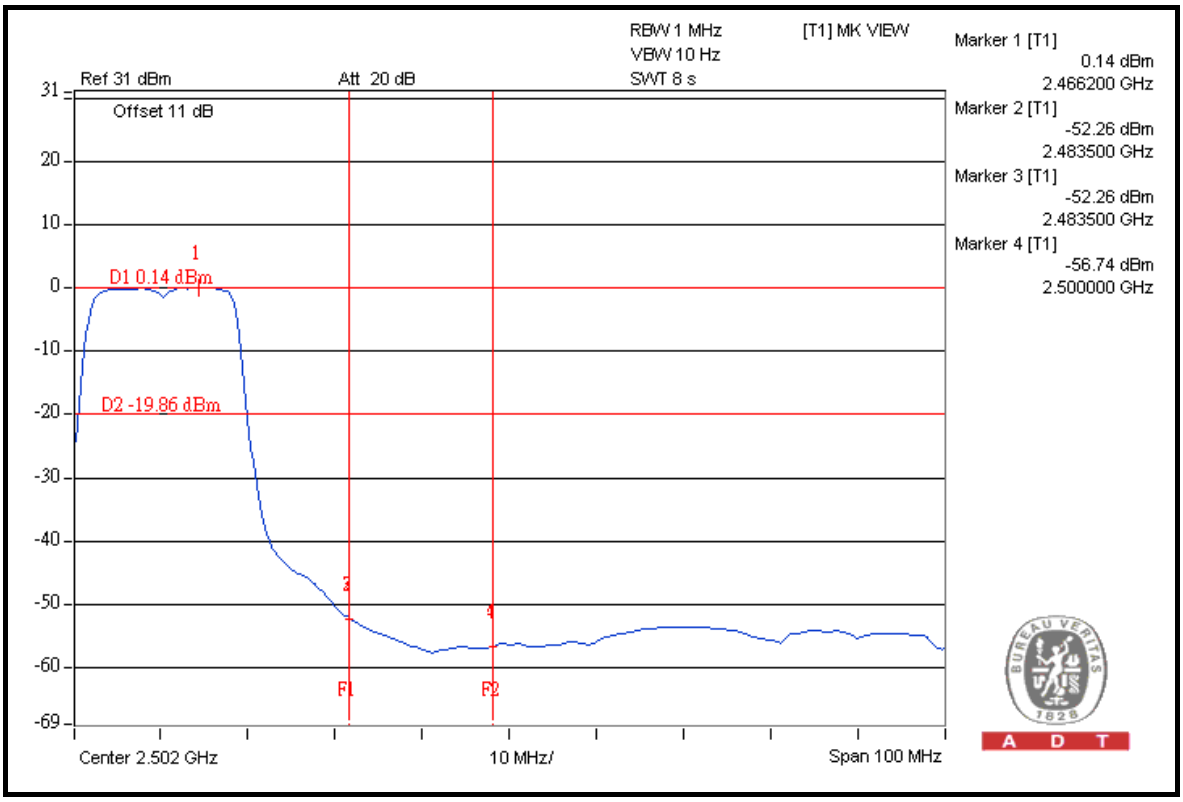
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

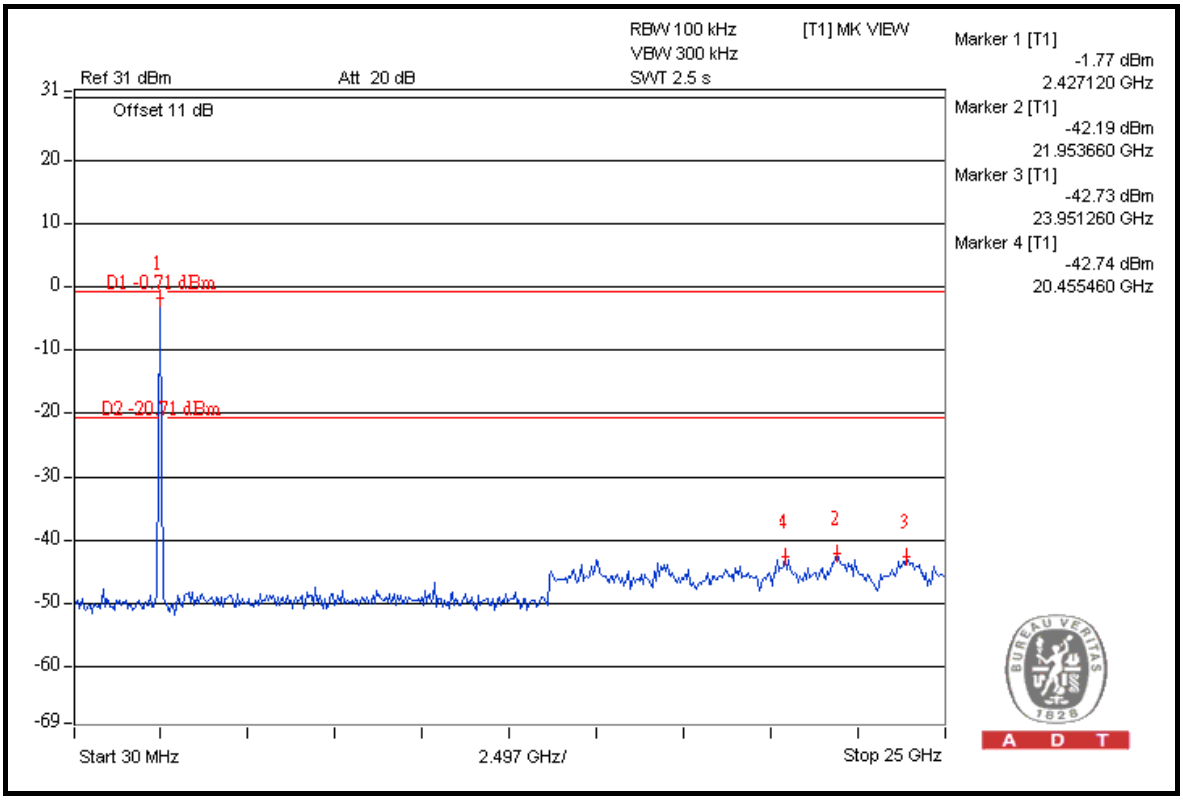

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -1.62 dBm
D2 -21.62 dBm
Marker 1 [T1]
-1.62 dBm
2.409600 GHz
Marker 2 [T1]
-32.73 dBm
2.400000 GHz
Marker 3 [T1]
-32.73 dBm
2.400000 GHz
Marker 4 [T1]
-49.27 dBm
2.390000 GHz
Marker 5 [T1]
-48.18 dBm
2.377000 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -0.53 dBm
D2 -20.53 dBm
Marker 1 [T1]
-0.53 dBm
2.416400 GHz
Marker 2 [T1]
-42.90 dBm
2.400000 GHz
Marker 3 [T1]
-42.90 dBm
2.400000 GHz
Marker 4 [T1]
-56.24 dBm
2.390000 GHz
Marker 5 [T1]
-55.65 dBm
2.338600 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -1.62 dBm
D2 -21.62 dBm
Marker 1 [T1]
-2.71 dBm
2.377180 GHz
Marker 2 [T1]
-42.06 dBm
23.901320 GHz
Marker 3 [T1]
-42.26 dBm
15.061940 GHz
Marker 4 [T1]
-42.53 dBm
24.101080 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -0.71 dBm
D2 -20.71 dBm
Marker 1 [T1]
-0.71 dBm
2.459400 GHz
Marker 2 [T1]
-48.66 dBm
2.483500 GHz
Marker 3 [T1]
-46.68 dBm
2.483800 GHz
Marker 4 [T1]
-49.45 dBm
2.500000 GHz
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 0.14 dBm
D2 -19.86 dBm
Marker 1 [T1]
0.14 dBm
2.466200 GHz
Marker 2 [T1]
-52.26 dBm
2.483500 GHz
Marker 3 [T1]
-52.26 dBm
2.483500 GHz
Marker 4 [T1]
-56.74 dBm
2.500000 GHz
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -0.71 dBm
D2 -20.71 dBm
Marker 1 [T1]
-1.77 dBm
2.427120 GHz
Marker 2 [T1]
-42.19 dBm
21.953660 GHz
Marker 3 [T1]
-42.73 dBm
23.951260 GHz
Marker 4 [T1]
-42.74 dBm
20.455460 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz

802.11n (20MHz)

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)	104.4	43.68	60.72	74.00
2412.00 (AV)	92.5	49.41	43.09	54.00

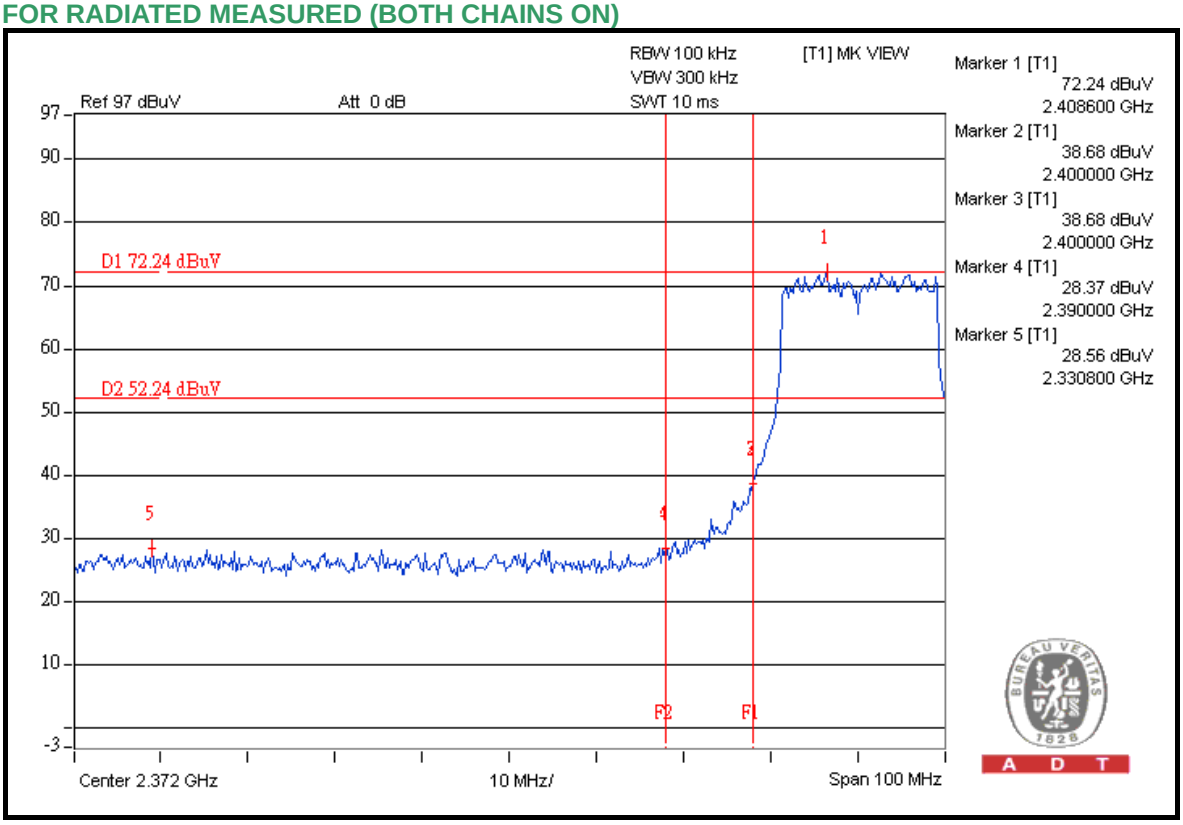
RESTRICT BAND (2483.5 ~ 2500 MHz)

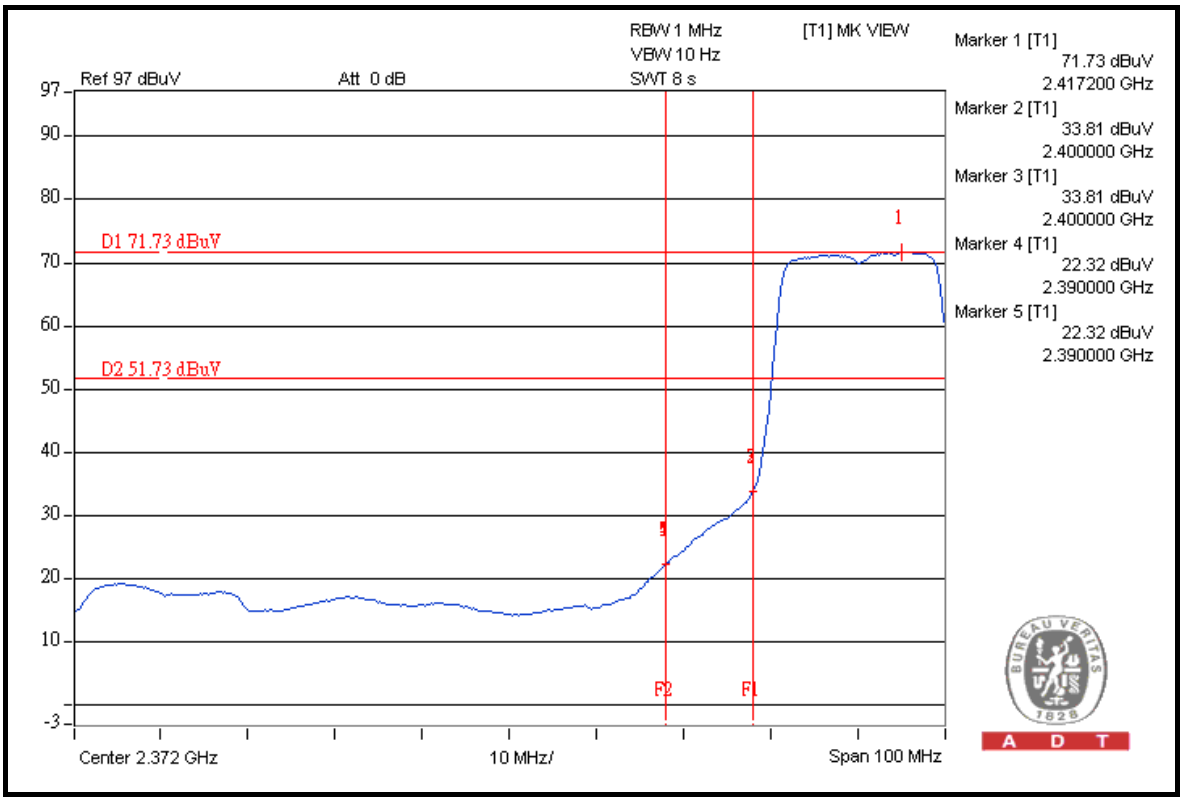
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	105.2	40.51	64.69	74.00
2462.00 (AV)	93.7	43.93	49.77	54.00

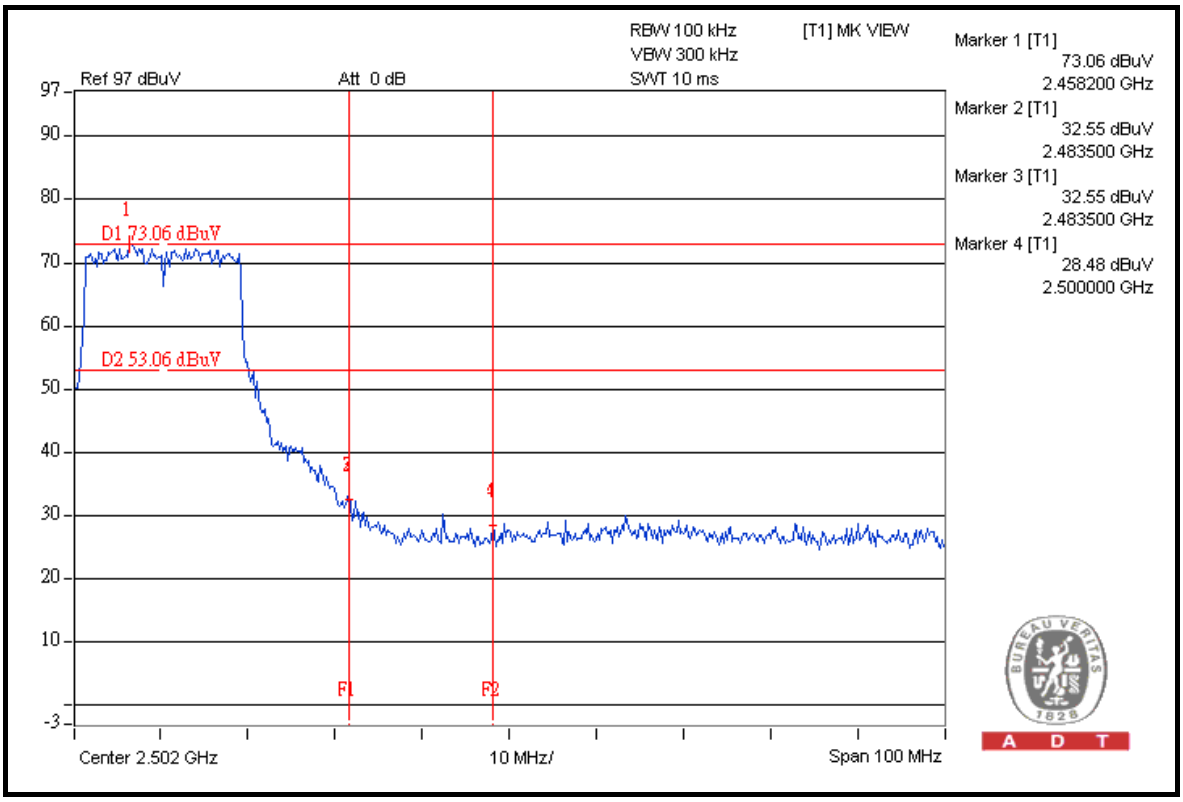
NOTE:

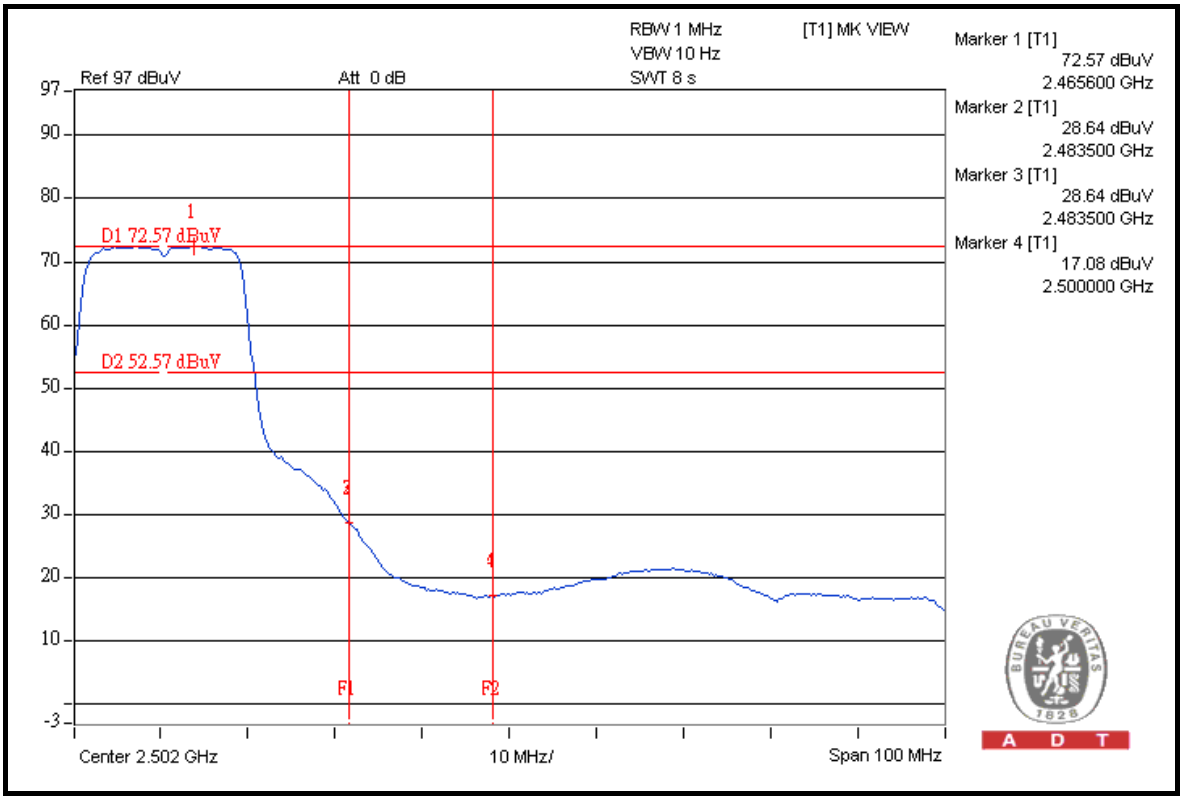
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

FOR RADIATED MEASURED (BOTH CHAINS ON)



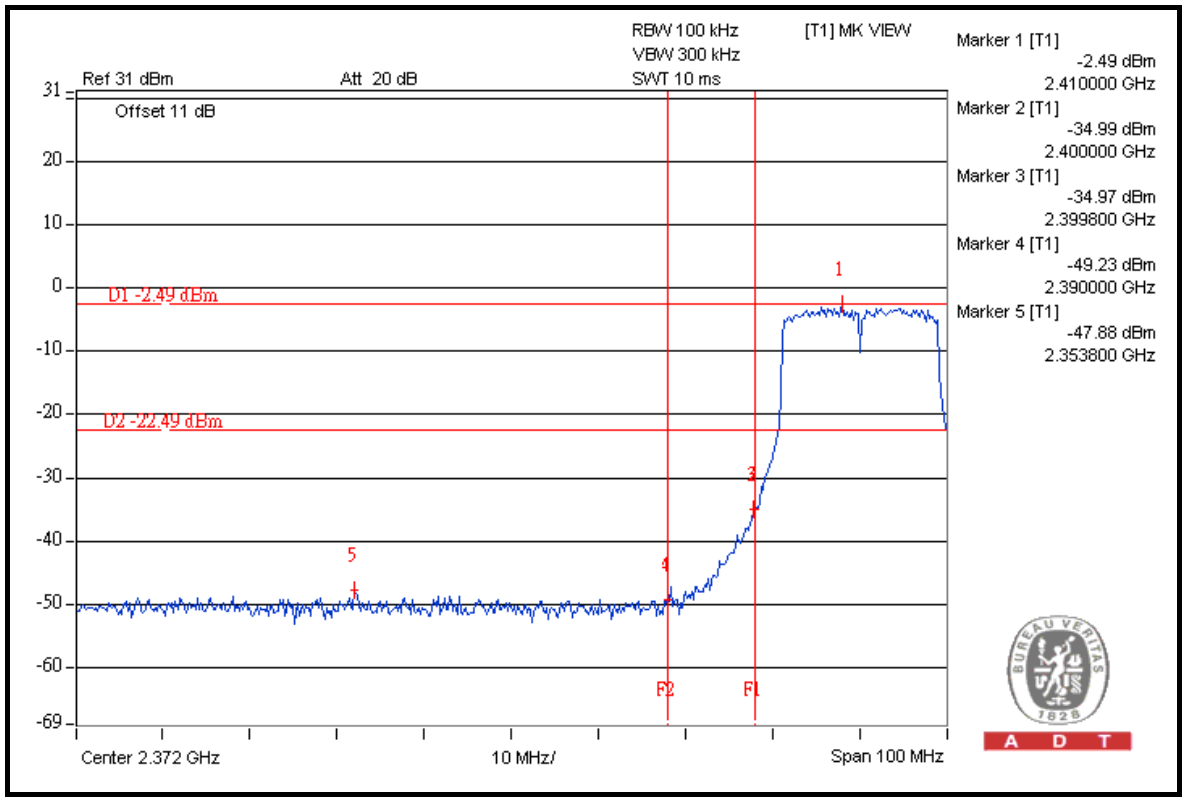


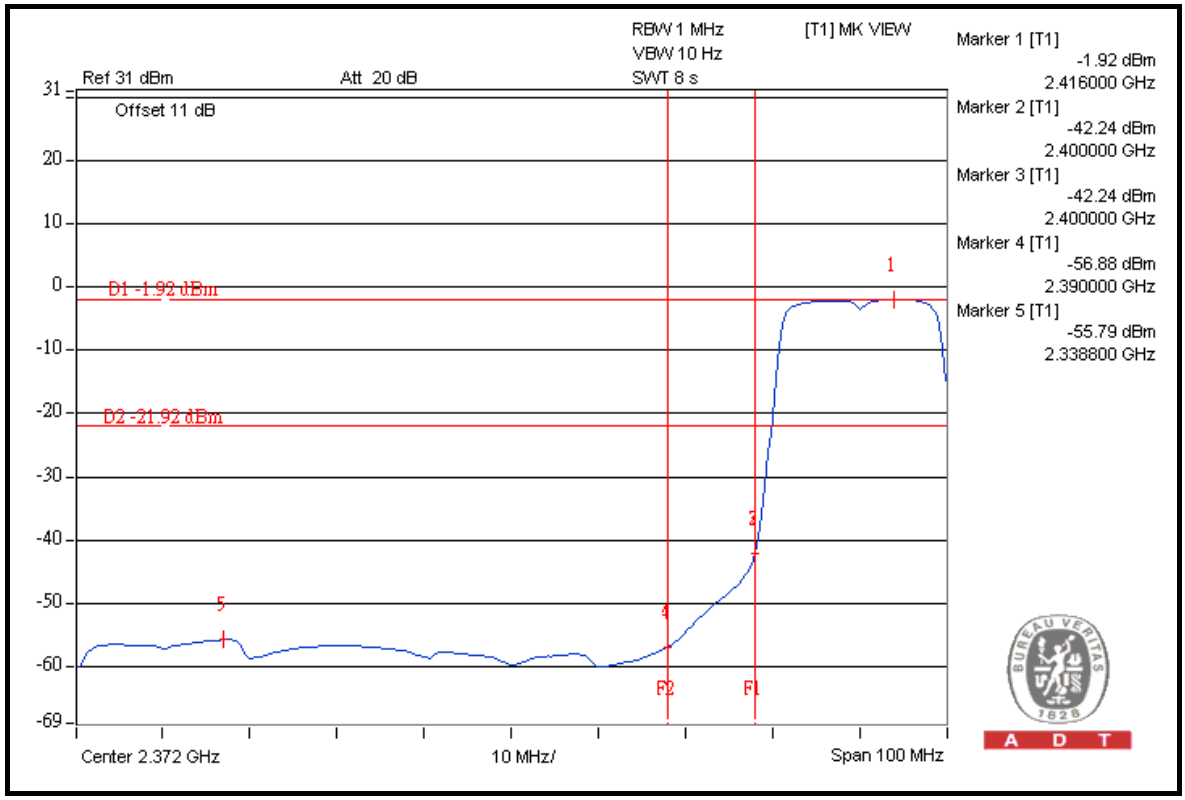

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
73.06 dBuV
2.458200 GHz
Marker 2 [T1]
32.55 dBuV
2.483500 GHz
Marker 3 [T1]
32.55 dBuV
2.483500 GHz
Marker 4 [T1]
28.48 dBuV
2.500000 GHz
D1 73.06 dBuV
D2 53.06 dBuV
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz

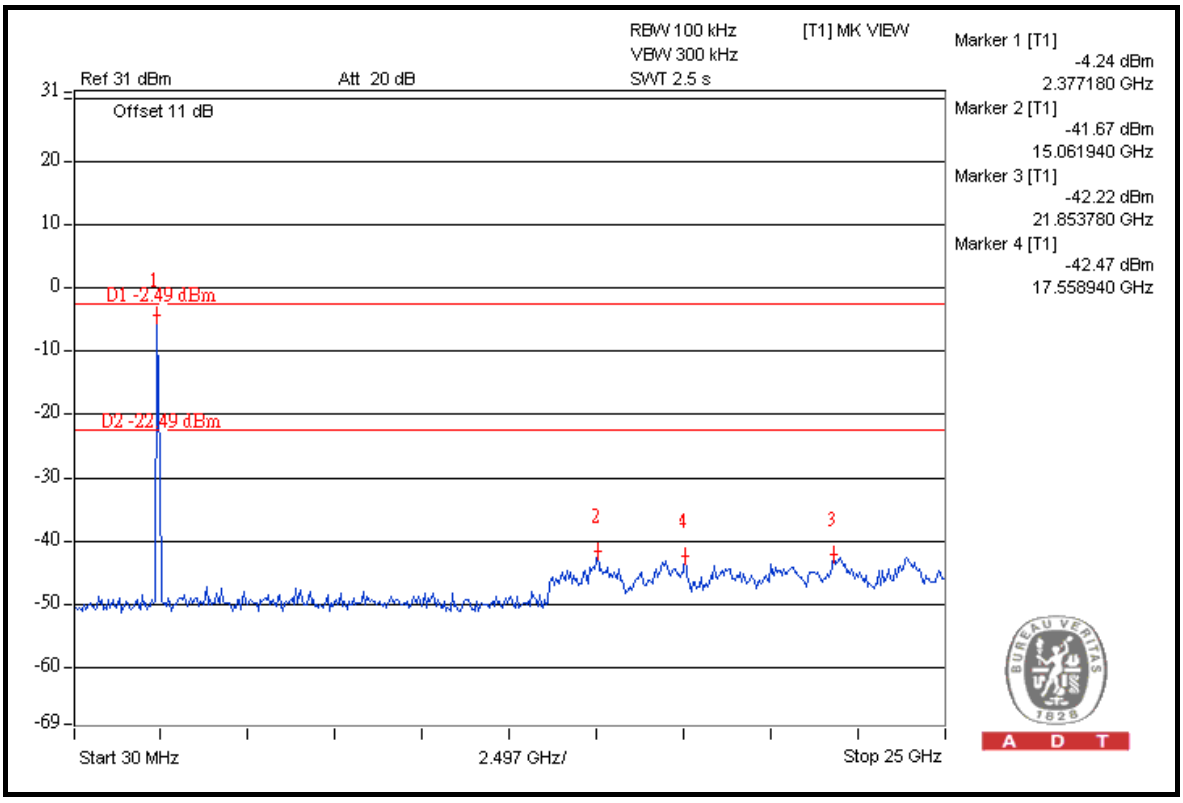

RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
72.57 dBuV
2.465600 GHz
Marker 2 [T1]
28.64 dBuV
2.483500 GHz
Marker 3 [T1]
28.64 dBuV
2.483500 GHz
Marker 4 [T1]
17.08 dBuV
2.500000 GHz
D1 72.57 dBuV
D2 52.57 dBuV
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz

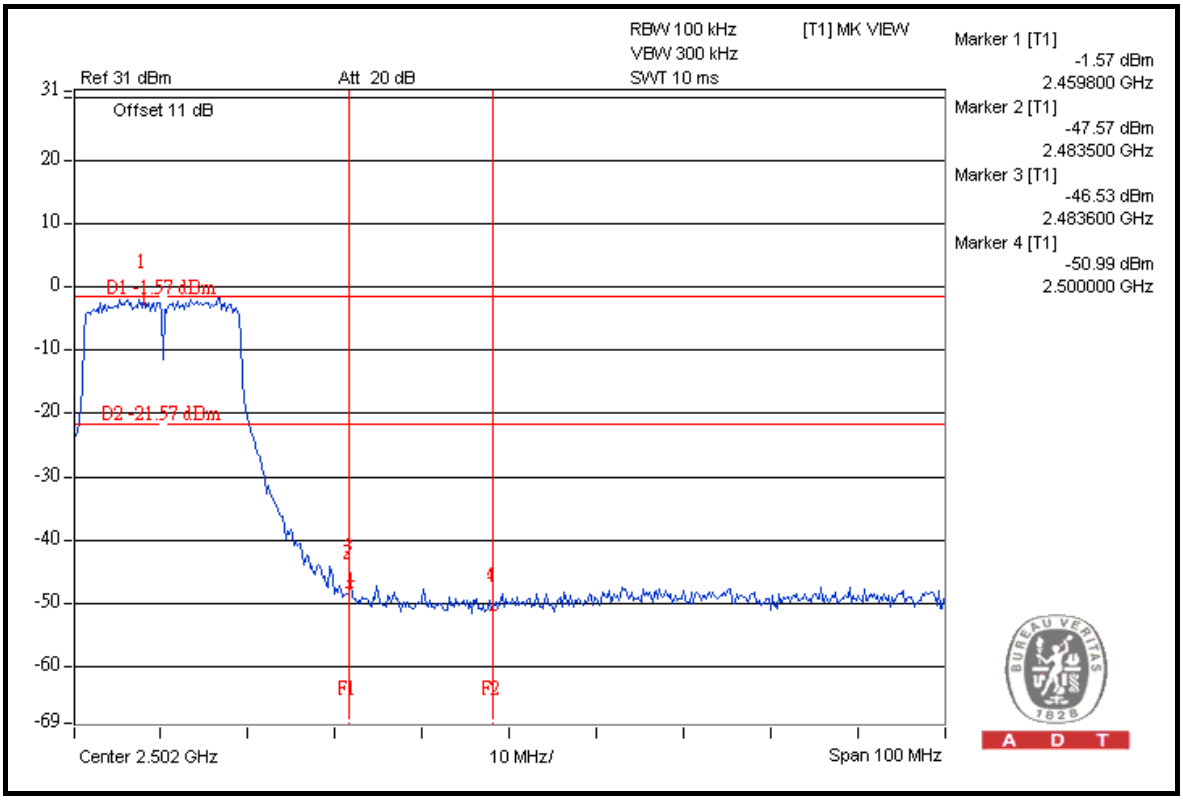
FOR CONDUCTED MEASURED

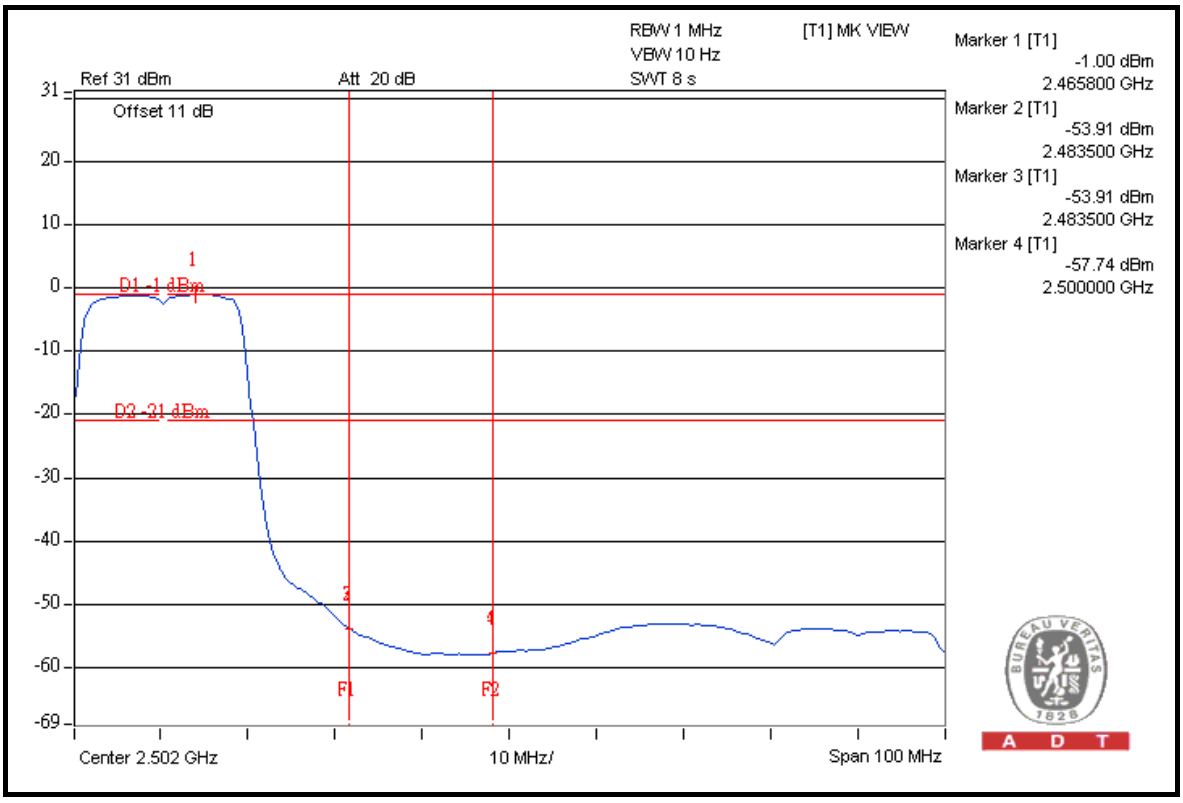
CHAIN 0

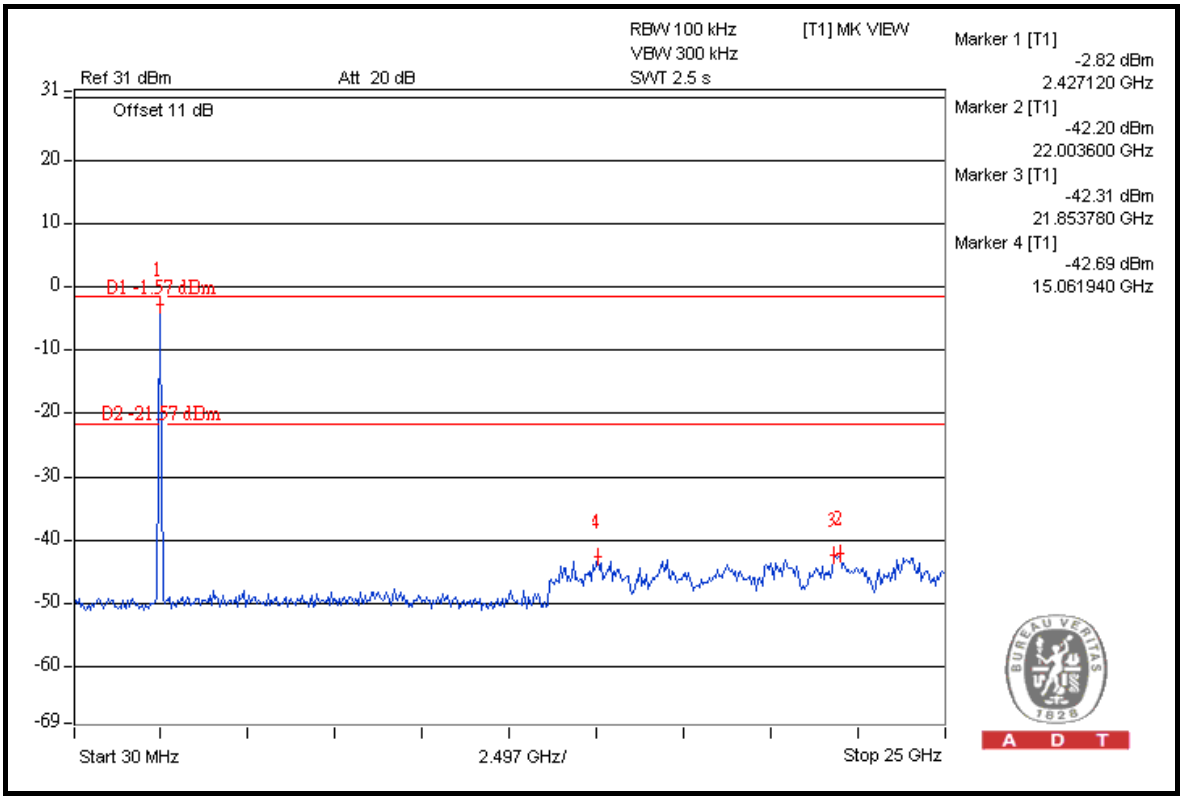




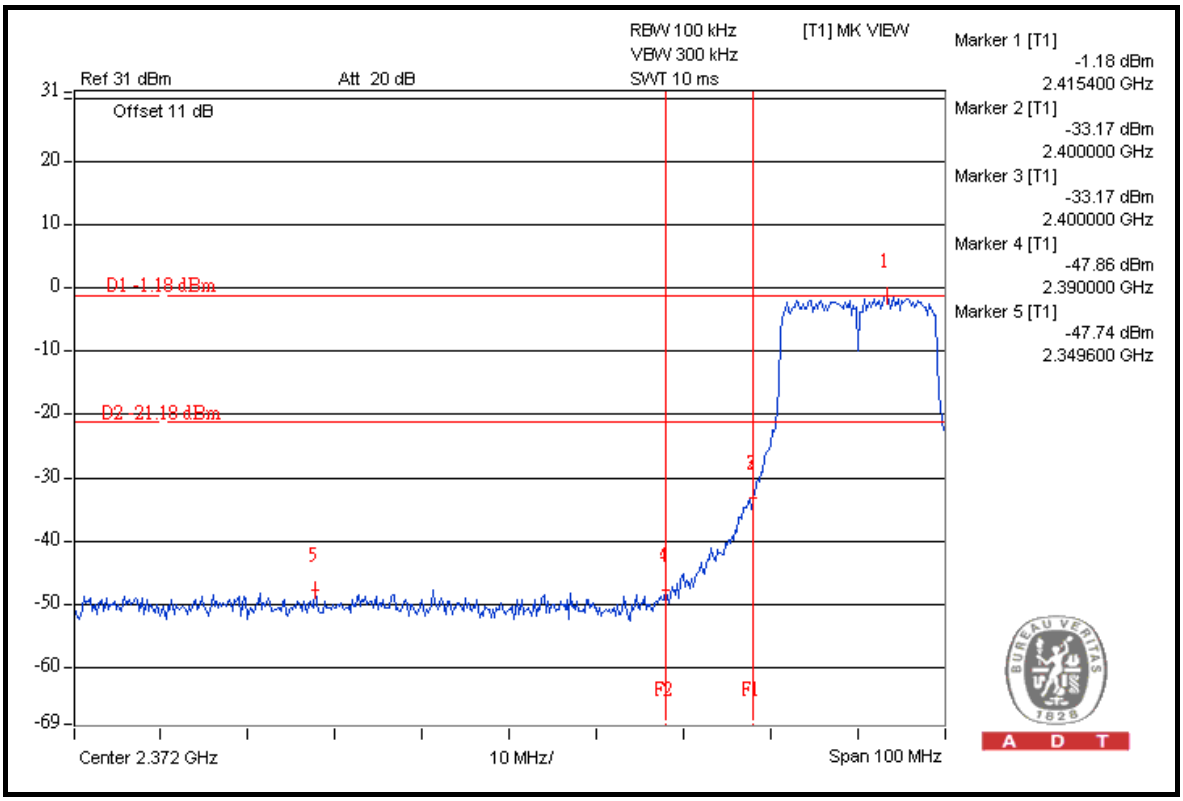

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -2.49 dBm
D2 -22.49 dBm
Marker 1 [T1]
-4.24 dBm
2.377180 GHz
Marker 2 [T1]
-41.67 dBm
15.061940 GHz
Marker 3 [T1]
-42.22 dBm
21.853780 GHz
Marker 4 [T1]
-42.47 dBm
17.558940 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz

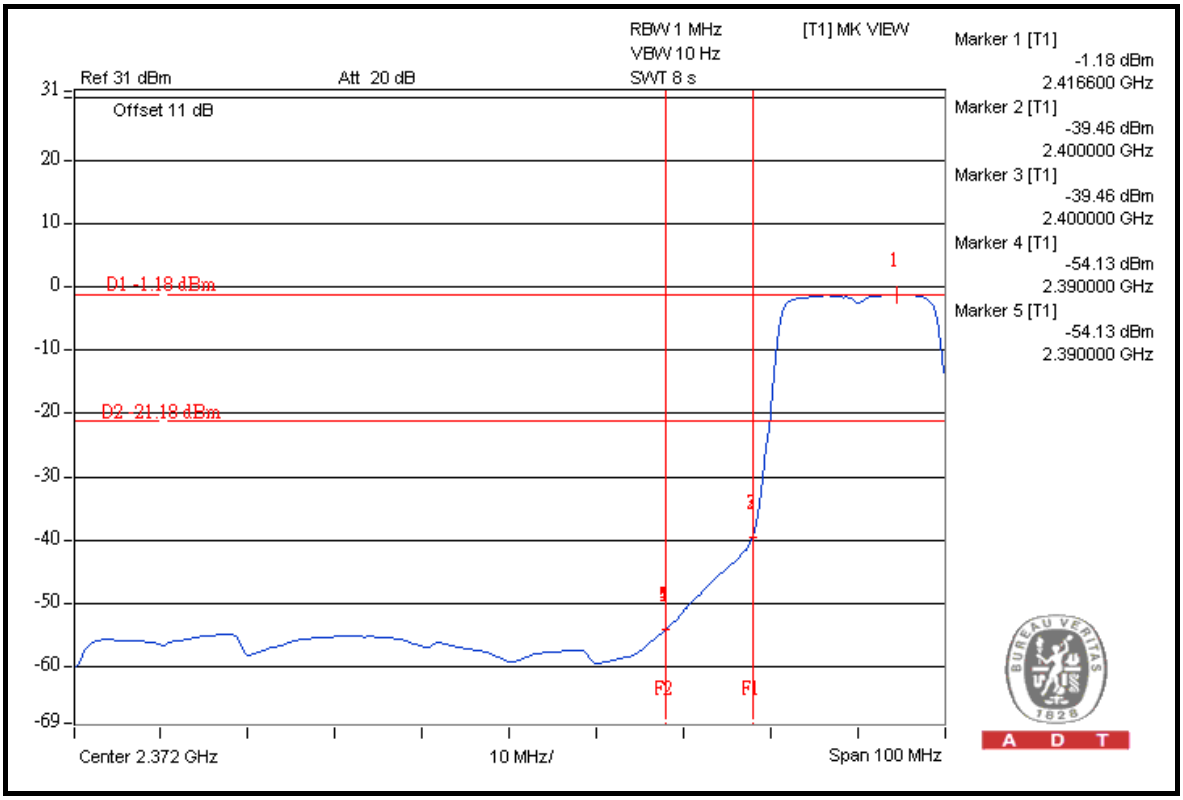

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -1.57 dBm
D2 -21.57 dBm
Marker 1 [T1]
-1.57 dBm
2.459800 GHz
Marker 2 [T1]
-47.57 dBm
2.483500 GHz
Marker 3 [T1]
-46.53 dBm
2.483600 GHz
Marker 4 [T1]
-50.99 dBm
2.500000 GHz
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz

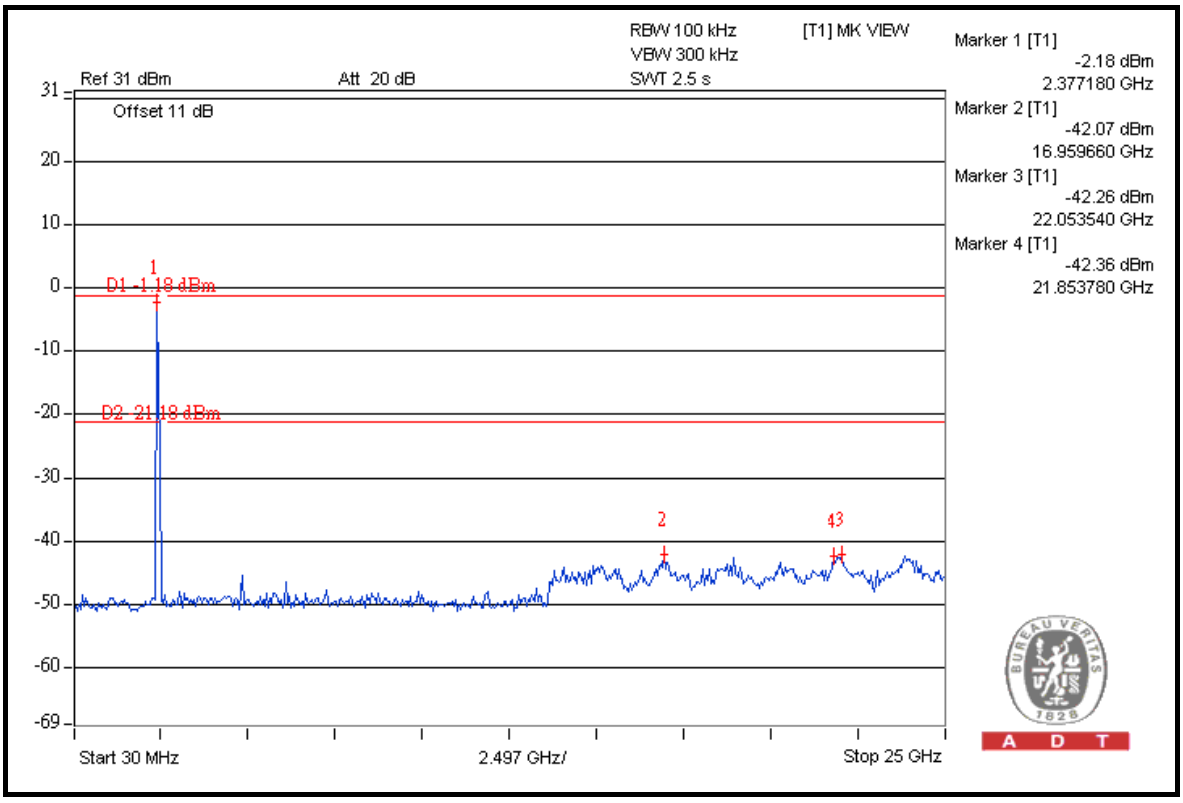

RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -1 dBm
D2 -21 dBm
Marker 1 [T1]
-1.00 dBm
2.465800 GHz
Marker 2 [T1]
-53.91 dBm
2.483500 GHz
Marker 3 [T1]
-53.91 dBm
2.483500 GHz
Marker 4 [T1]
-57.74 dBm
2.500000 GHz
Center 2.502 GHz
10 MHz/
Span 100 MHz

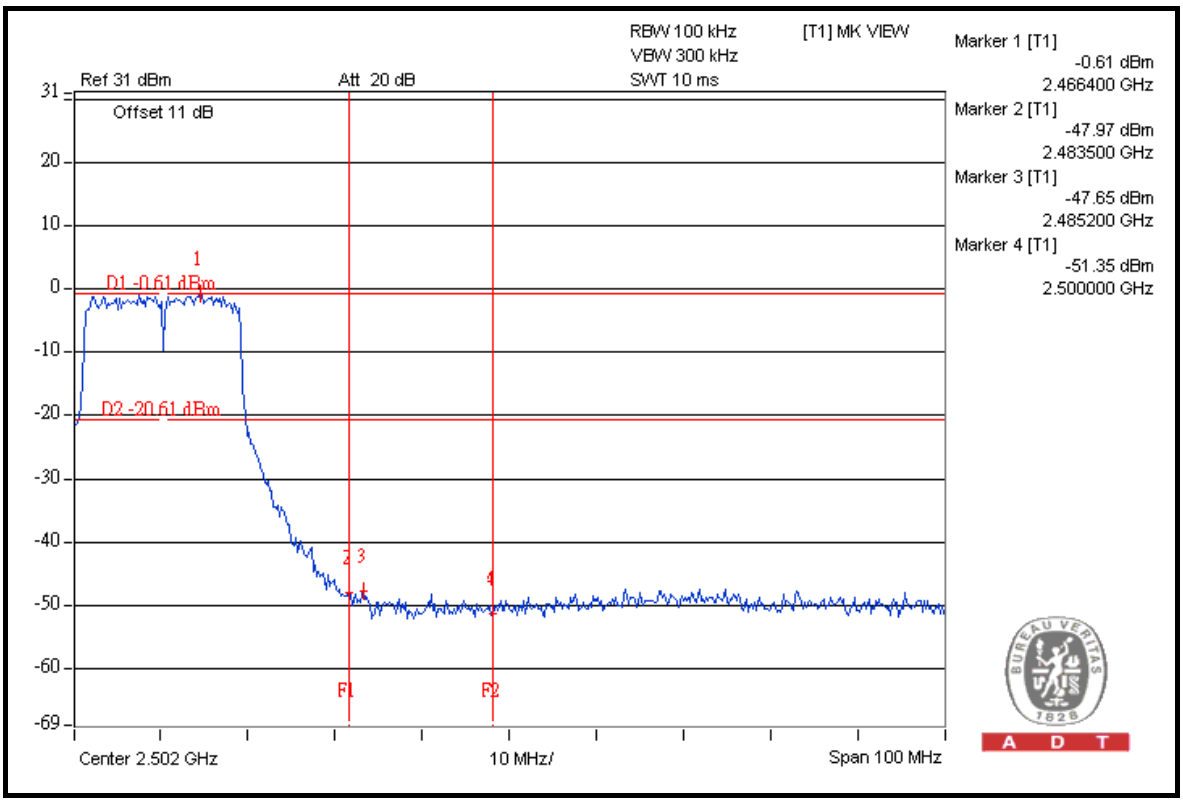

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -1.57 dBm
D2 -21.57 dBm
Marker 1 [T1]
-2.82 dBm
2.427120 GHz
Marker 2 [T1]
-42.20 dBm
22.003600 GHz
Marker 3 [T1]
-42.31 dBm
21.853780 GHz
Marker 4 [T1]
-42.69 dBm
15.061940 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz

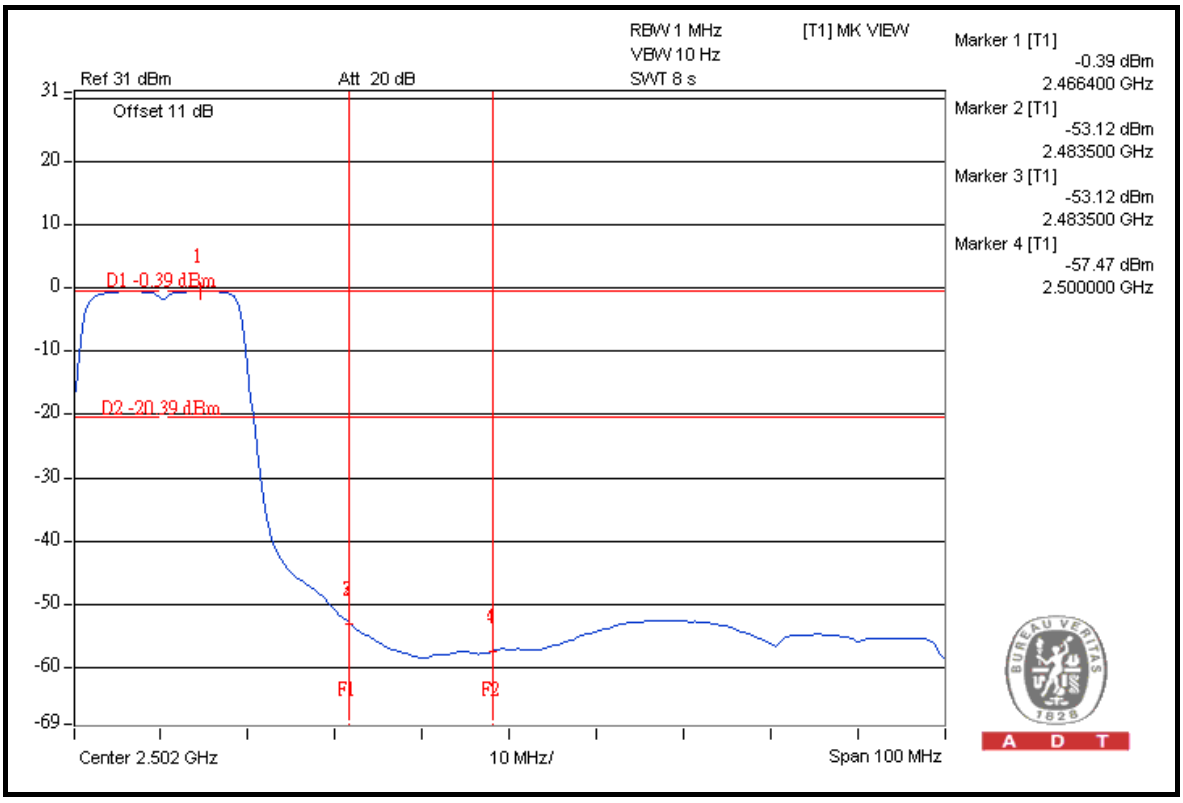
CHAIN 1

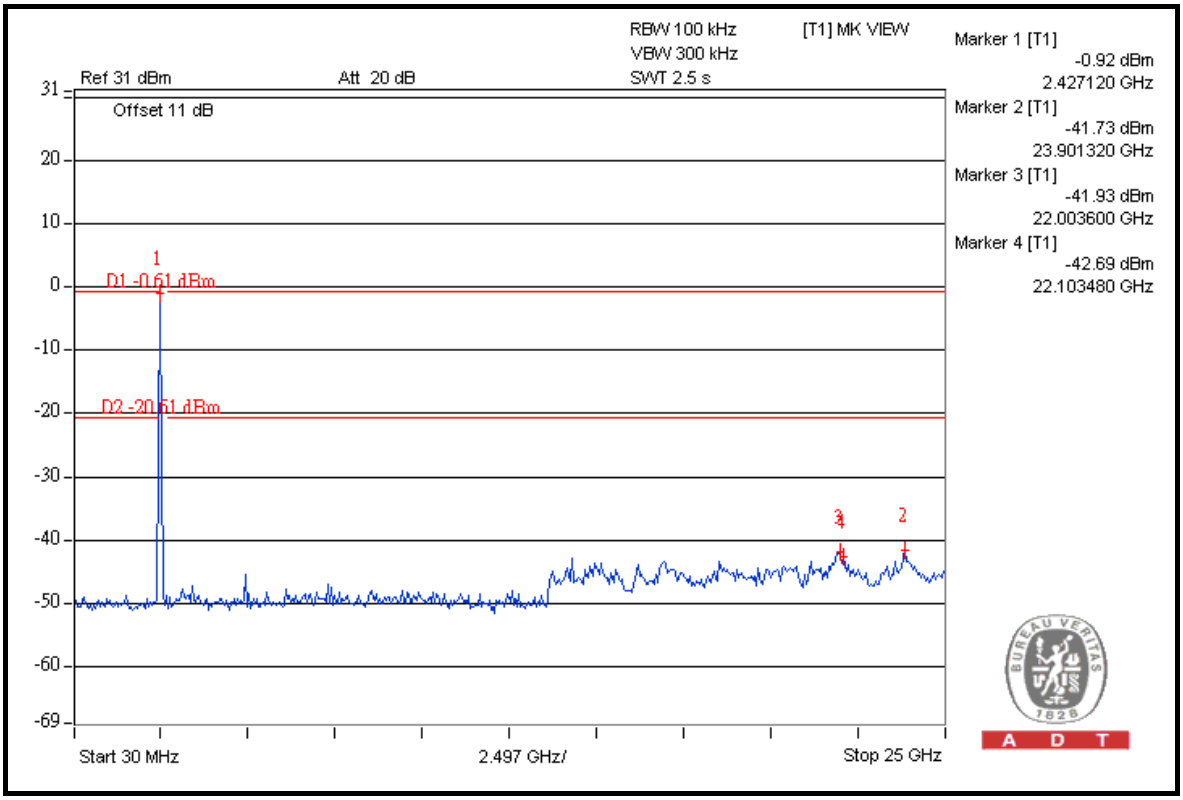

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -1.18 dBm
D2 -21.18 dBm
Marker 1 [T1]
-1.18 dBm
2.415400 GHz
Marker 2 [T1]
-33.17 dBm
2.400000 GHz
Marker 3 [T1]
-33.17 dBm
2.400000 GHz
Marker 4 [T1]
-47.86 dBm
2.390000 GHz
Marker 5 [T1]
-47.74 dBm
2.349600 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -1.18 dBm
D2 -21.18 dBm
Marker 1 [T1]
-1.18 dBm
2.416600 GHz
Marker 2 [T1]
-39.46 dBm
2.400000 GHz
Marker 3 [T1]
-39.46 dBm
2.400000 GHz
Marker 4 [T1]
-54.13 dBm
2.390000 GHz
Marker 5 [T1]
-54.13 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 31 dBm
Att 20 dB
Offset 11 dB
Marker 1 [T1]
-2.18 dBm
2.377180 GHz
Marker 2 [T1]
-42.07 dBm
16.959660 GHz
Marker 3 [T1]
-42.26 dBm
22.053540 GHz
Marker 4 [T1]
-42.36 dBm
21.853780 GHz
D1 -1.18 dBm
D2 -21.18 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
Marker 1 [T1]
-0.61 dBm
2.466400 GHz
Marker 2 [T1]
-47.97 dBm
2.483500 GHz
Marker 3 [T1]
-47.65 dBm
2.485200 GHz
Marker 4 [T1]
-51.35 dBm
2.500000 GHz
D1 -0.61 dBm
D2 -20.61 dBm
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -0.39 dBm
D2 -20.39 dBm
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz
Marker 1 [T1]
-0.39 dBm
2.466400 GHz
Marker 2 [T1]
-53.12 dBm
2.483500 GHz
Marker 3 [T1]
-53.12 dBm
2.483500 GHz
Marker 4 [T1]
-57.47 dBm
2.500000 GHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -0.61 dBm
D2 -20.61 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz
Marker 1 [T1]
-0.92 dBm
2.427120 GHz
Marker 2 [T1]
-41.73 dBm
23.901320 GHz
Marker 3 [T1]
-41.93 dBm
22.003600 GHz
Marker 4 [T1]
-42.69 dBm
22.103480 GHz

802.11n (40MHz)

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)	100.1	35.45	64.65	74.00
2422.00 (AV)	89.1	40.96	48.14	54.00

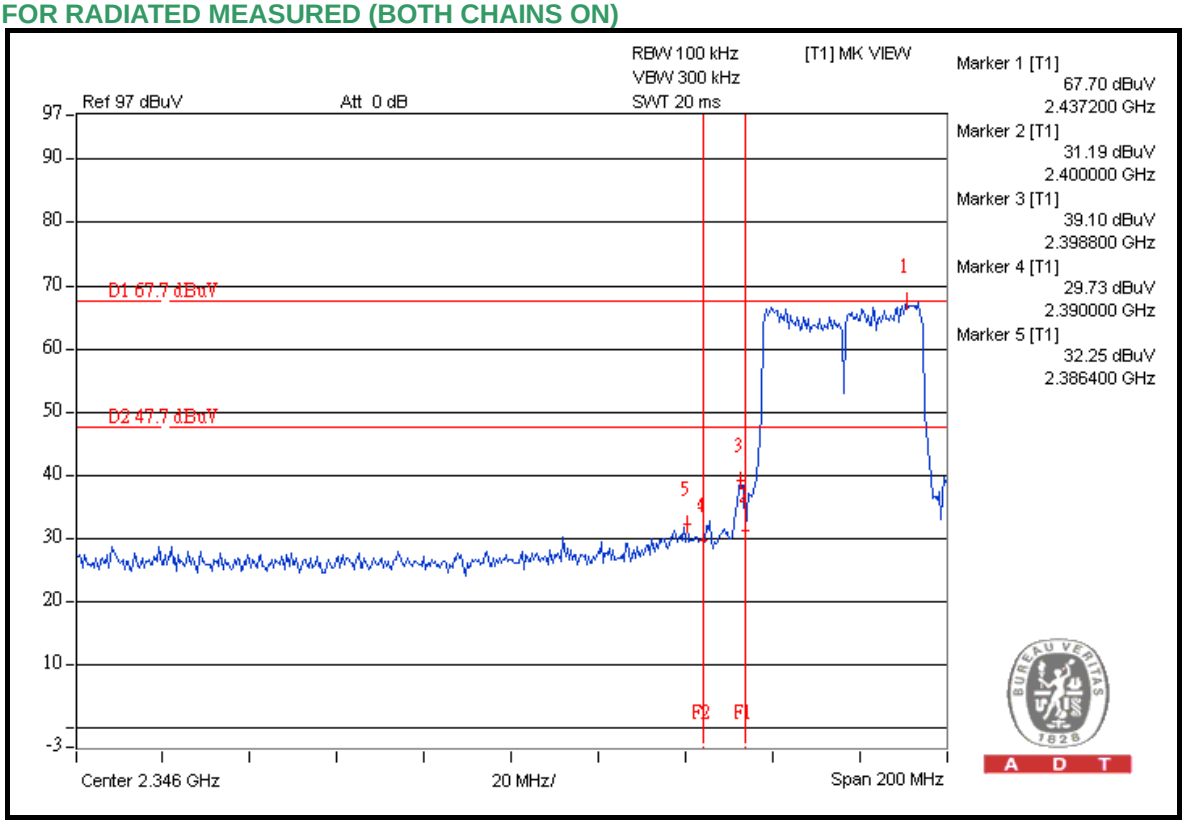
RESTRICT BAND (2483.5 ~ 2500 MHz)

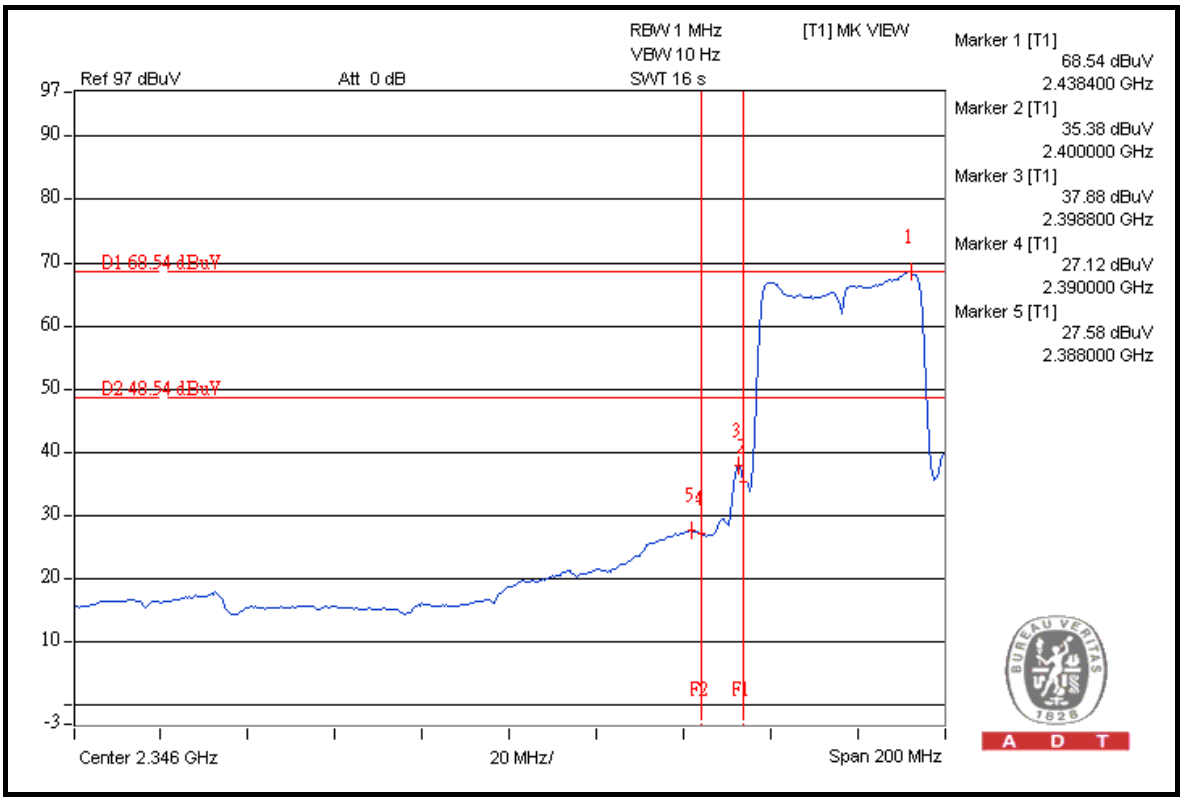
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	99.9	36.42	63.48	74.00
2452.00 (AV)	89.3	38.68	50.62	54.00

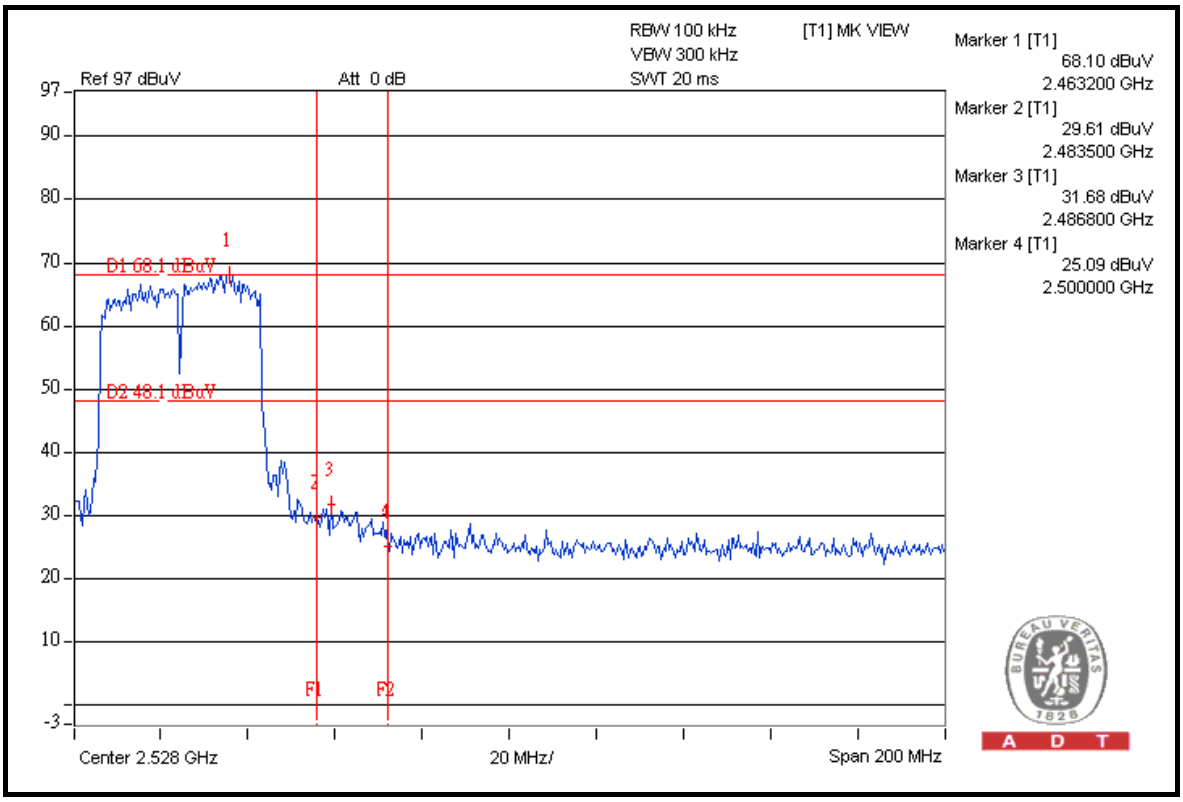
NOTE:

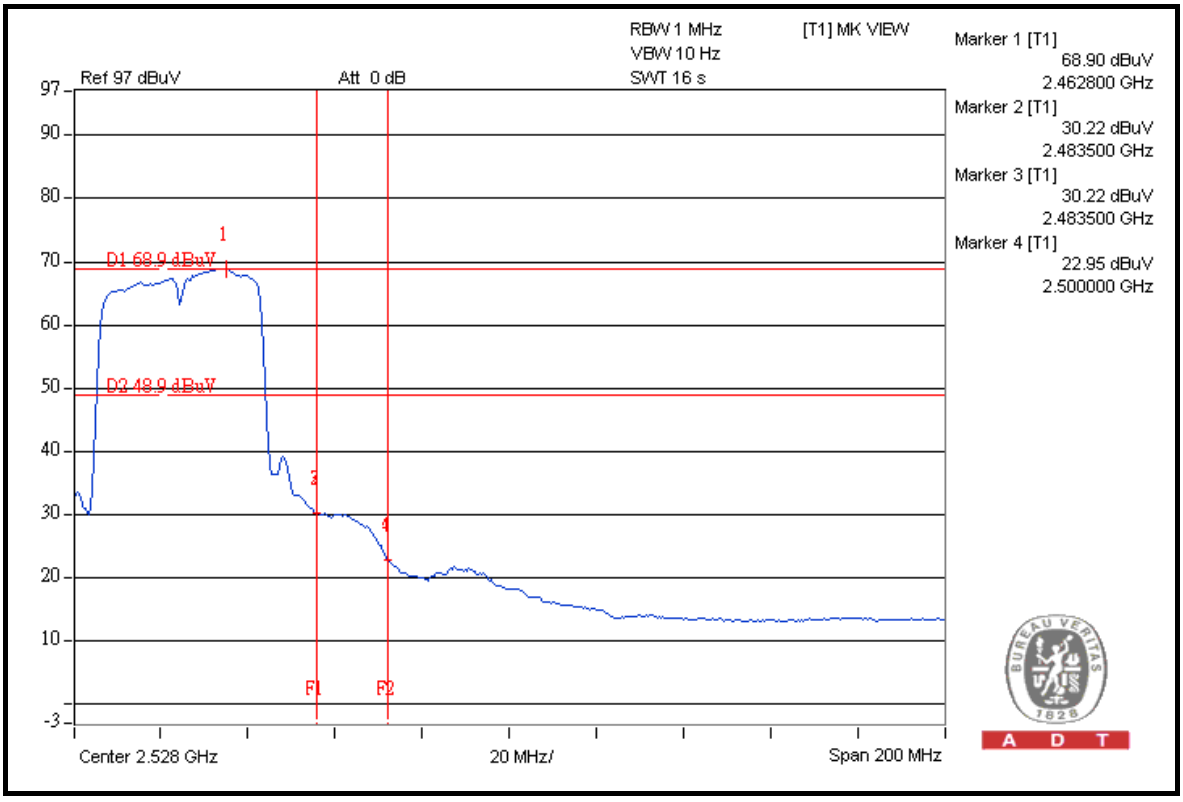
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

FOR RADIATED MEASURED (BOTH CHAINS ON)



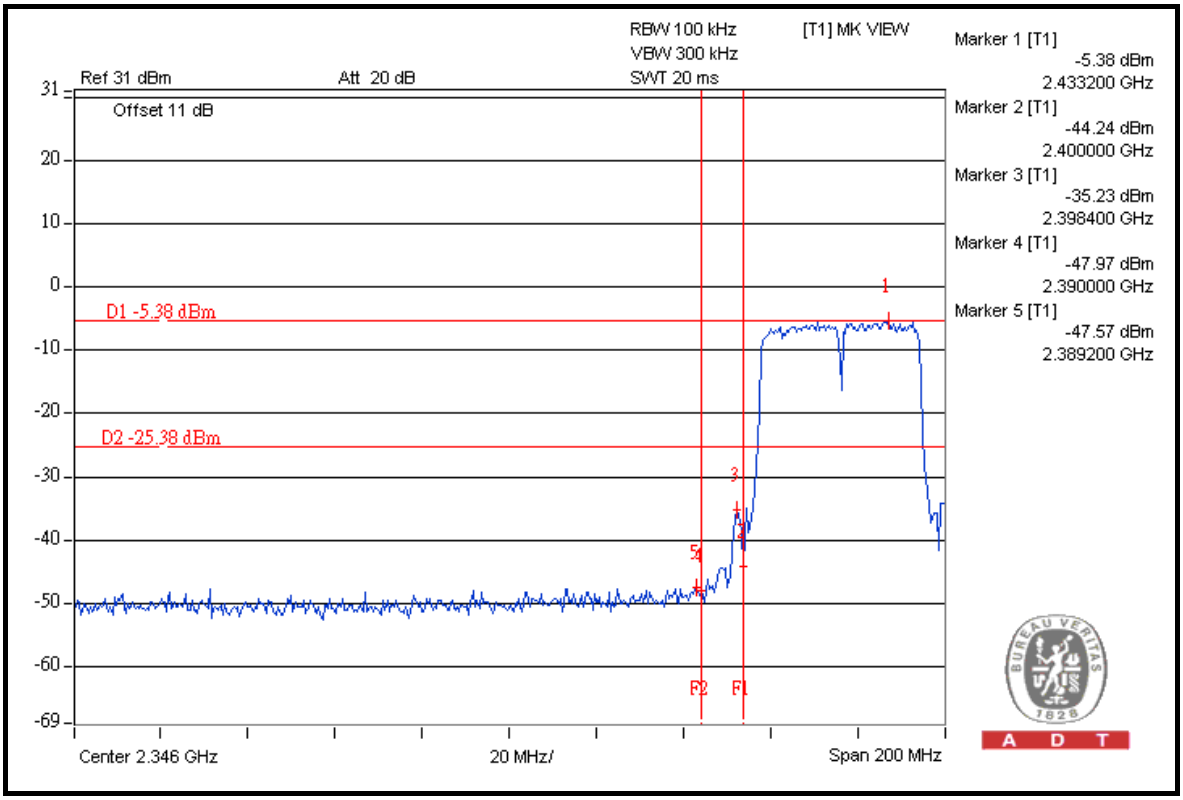


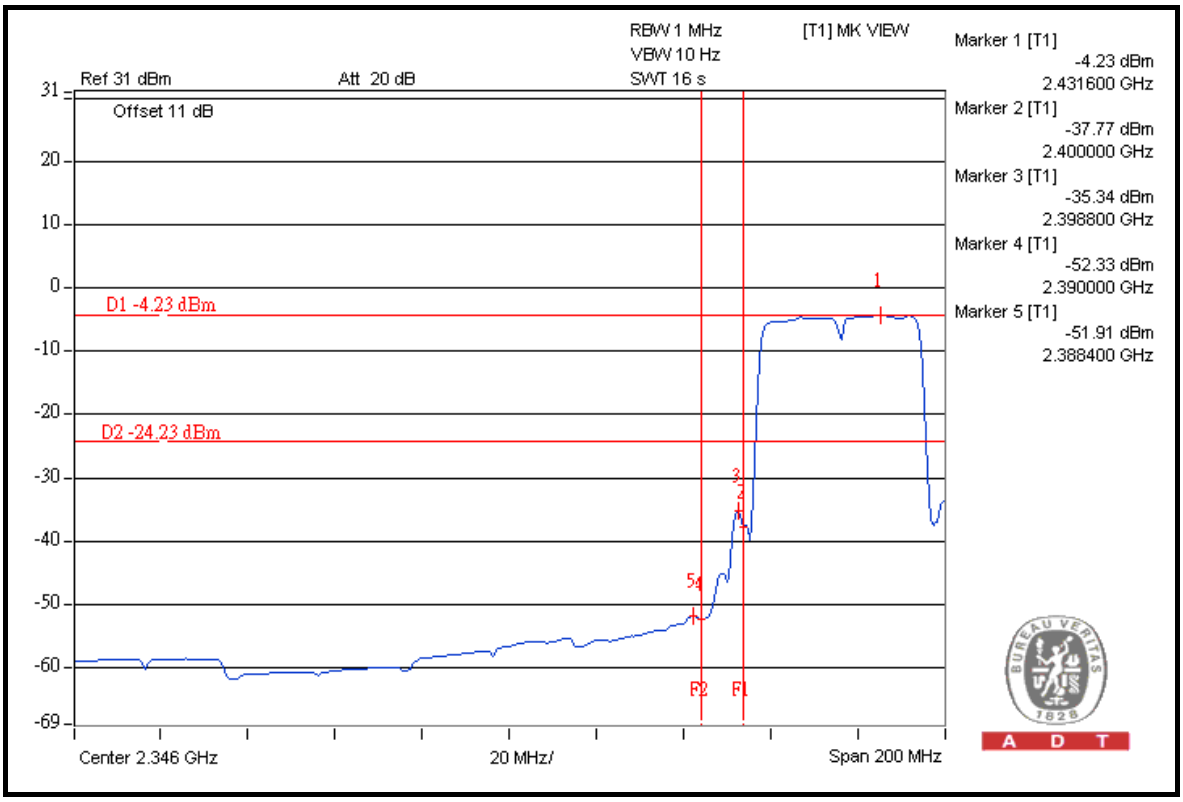

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
68.10 dBuV
2.463200 GHz
Marker 2 [T1]
29.61 dBuV
2.483500 GHz
Marker 3 [T1]
31.68 dBuV
2.486800 GHz
Marker 4 [T1]
25.09 dBuV
2.500000 GHz
D1 68.1 dBuV
D2 48.1 dBuV
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz

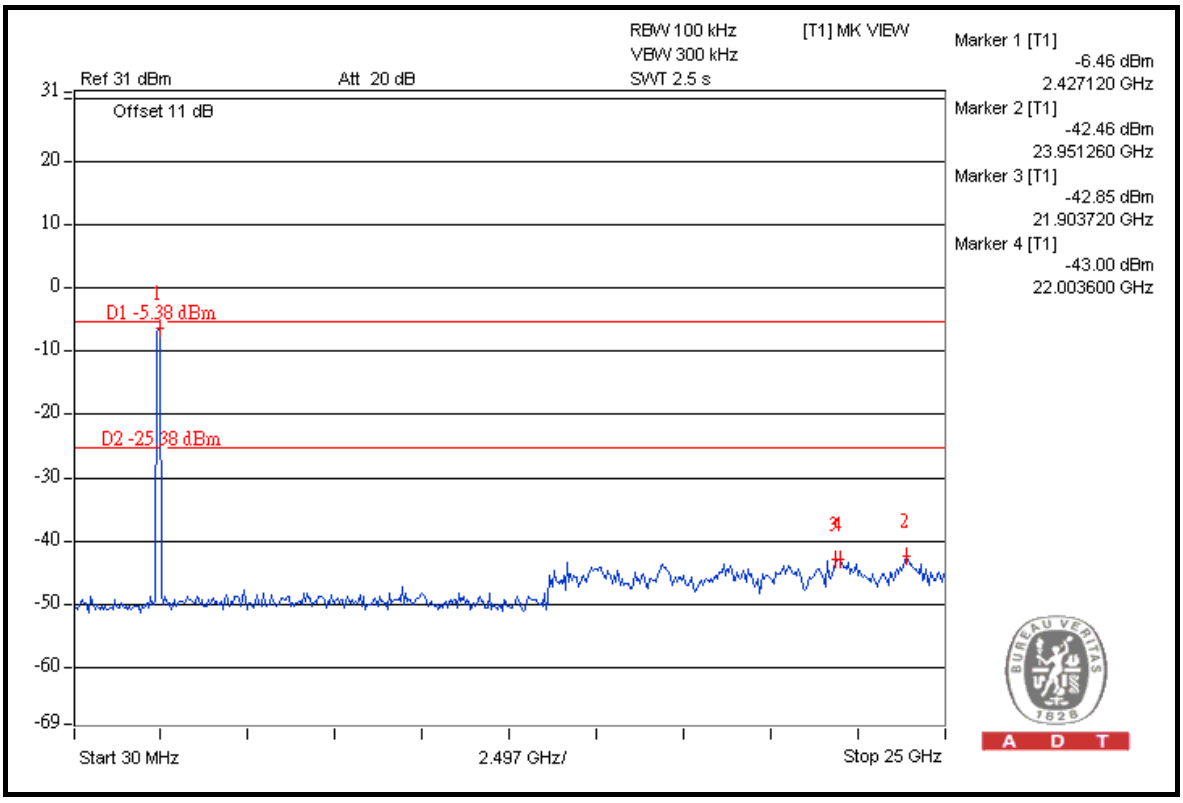

RBW 1 MHz
VBW 10 Hz
SWT 16 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
68.90 dBuV
2.462800 GHz
Marker 2 [T1]
30.22 dBuV
2.483500 GHz
Marker 3 [T1]
30.22 dBuV
2.483500 GHz
Marker 4 [T1]
22.95 dBuV
2.500000 GHz
D1 68.9 dBuV
D2 48.9 dBuV
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz

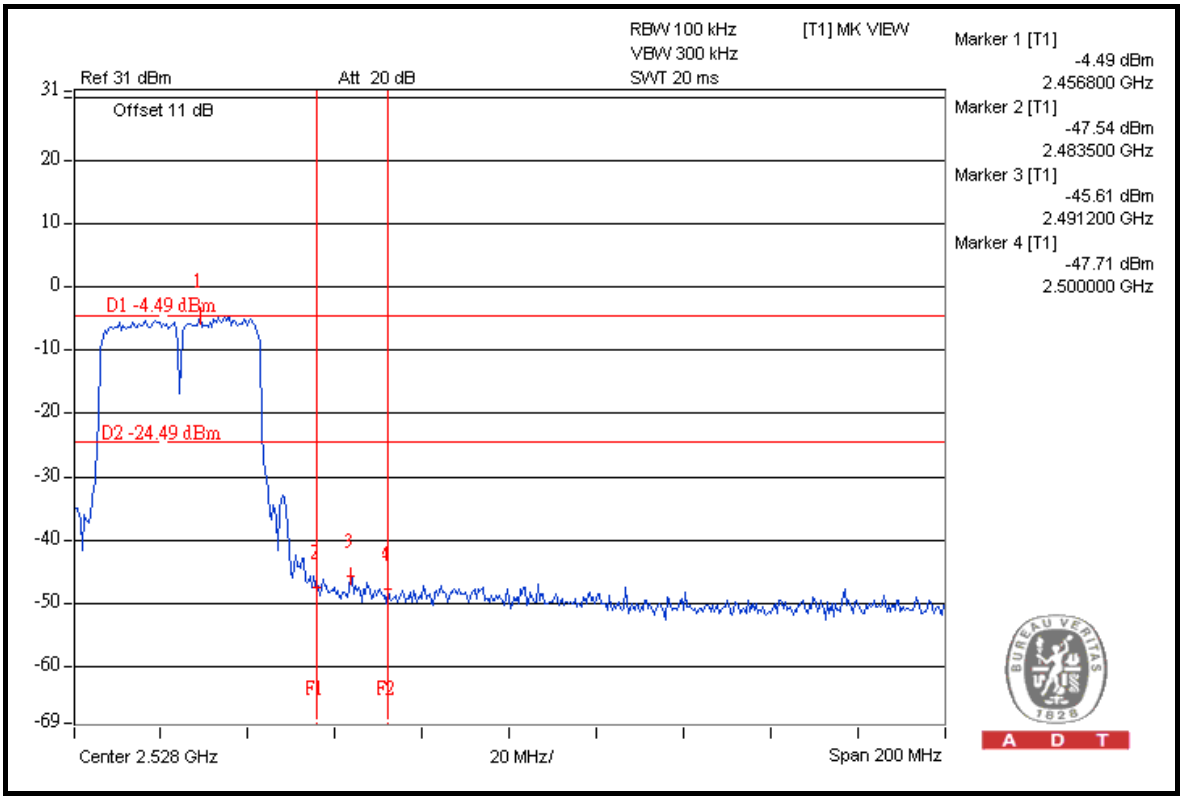
FOR CONDUCTED MEASURED

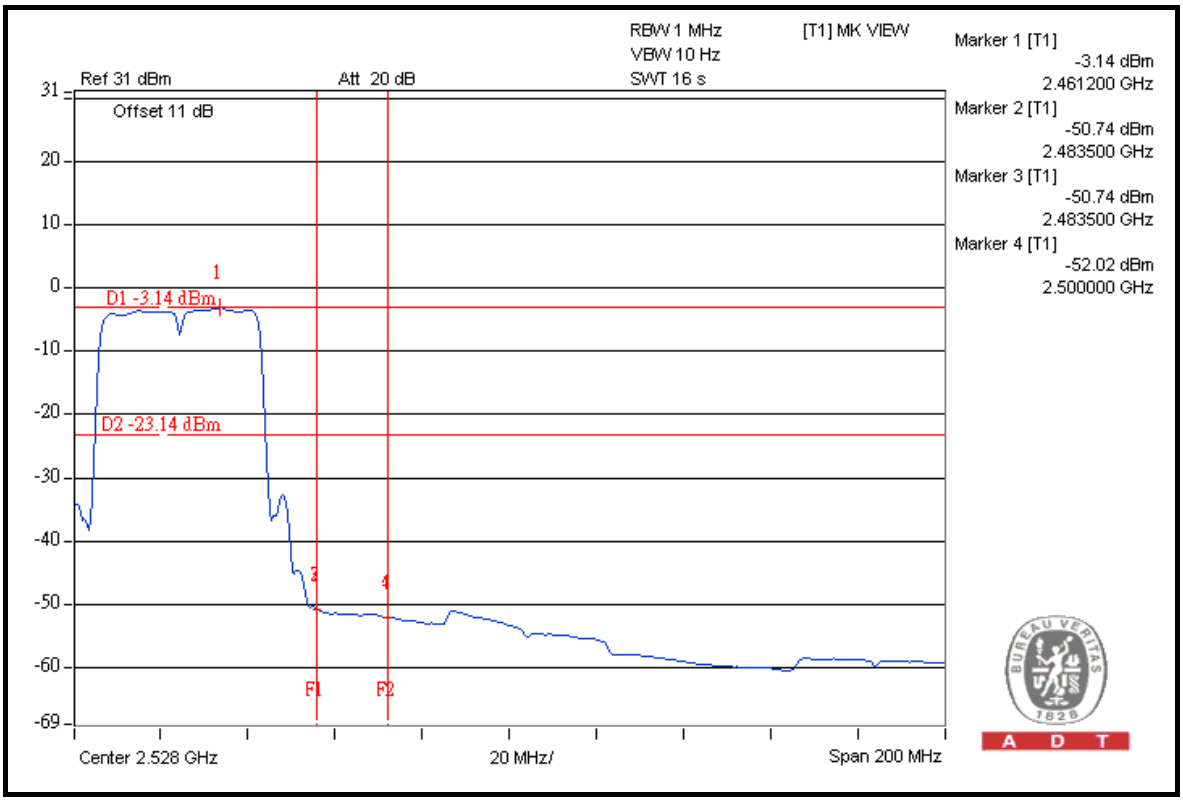
CHAIN 0

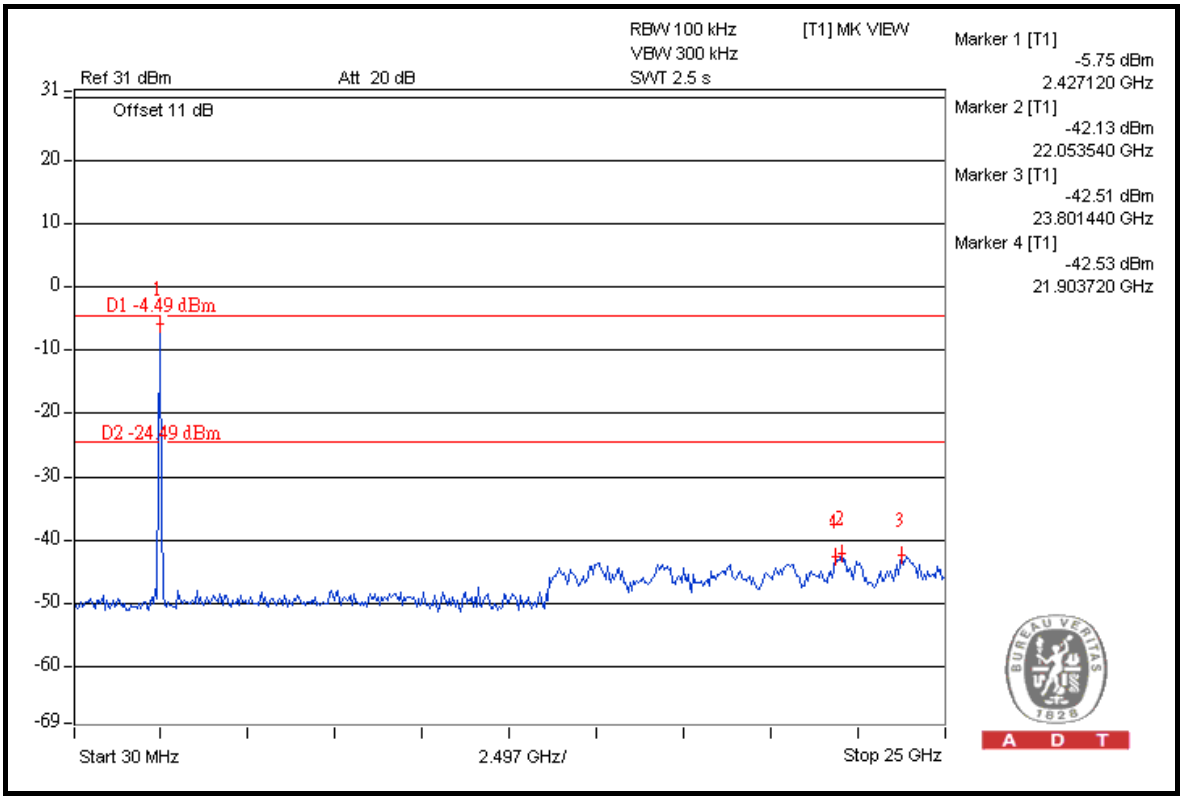




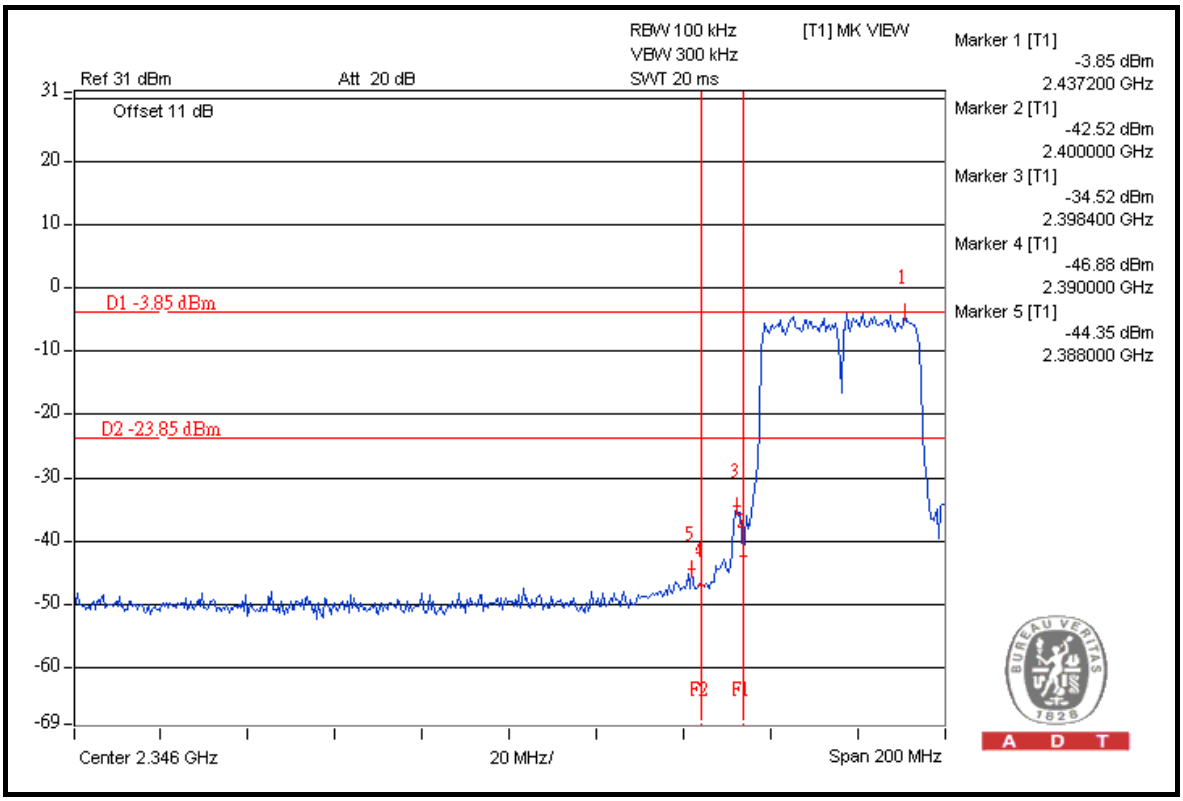

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -5.38 dBm
D2 -25.38 dBm
Marker 1 [T1]
-6.46 dBm
2.427120 GHz
Marker 2 [T1]
-42.46 dBm
23.951260 GHz
Marker 3 [T1]
-42.85 dBm
21.903720 GHz
Marker 4 [T1]
-43.00 dBm
22.003600 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz

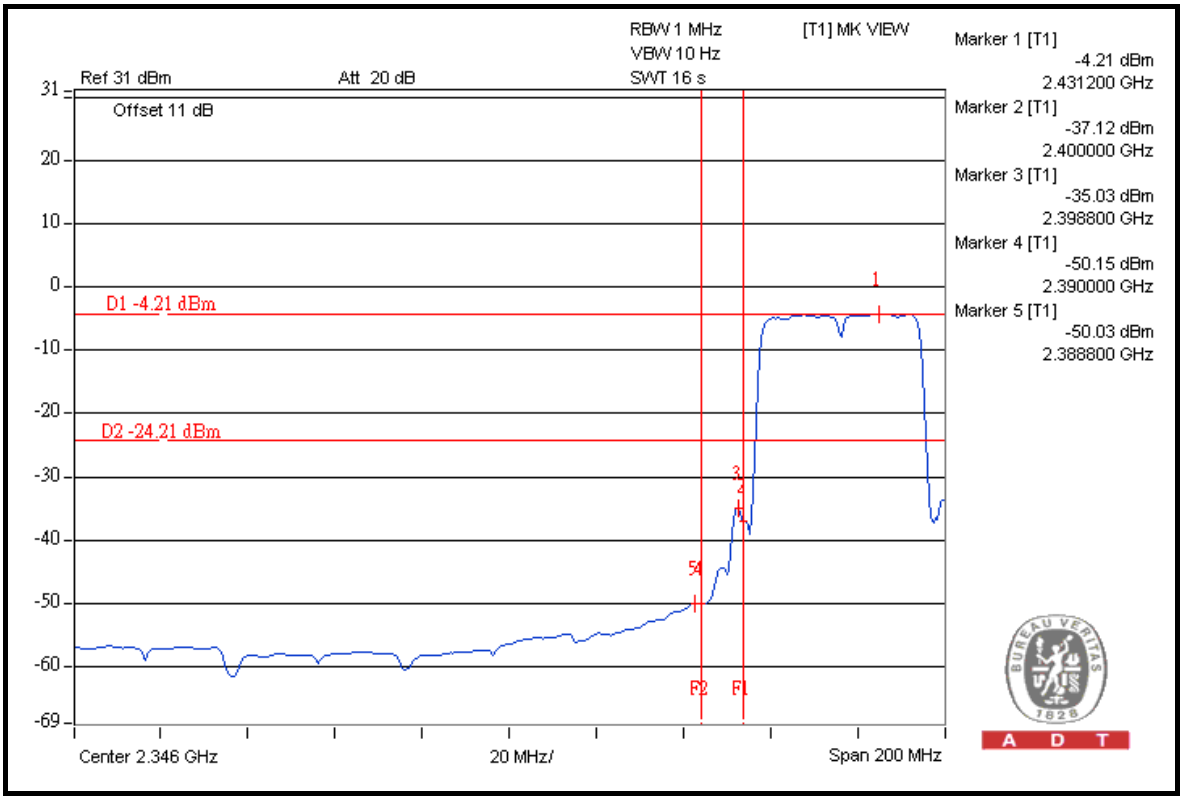

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -4.49 dBm
D2 -24.49 dBm
Marker 1 [T1]
-4.49 dBm
2.456800 GHz
Marker 2 [T1]
-47.54 dBm
2.483500 GHz
Marker 3 [T1]
-45.61 dBm
2.491200 GHz
Marker 4 [T1]
-47.71 dBm
2.500000 GHz
Center 2.528 GHz
20 MHz/
Span 200 MHz

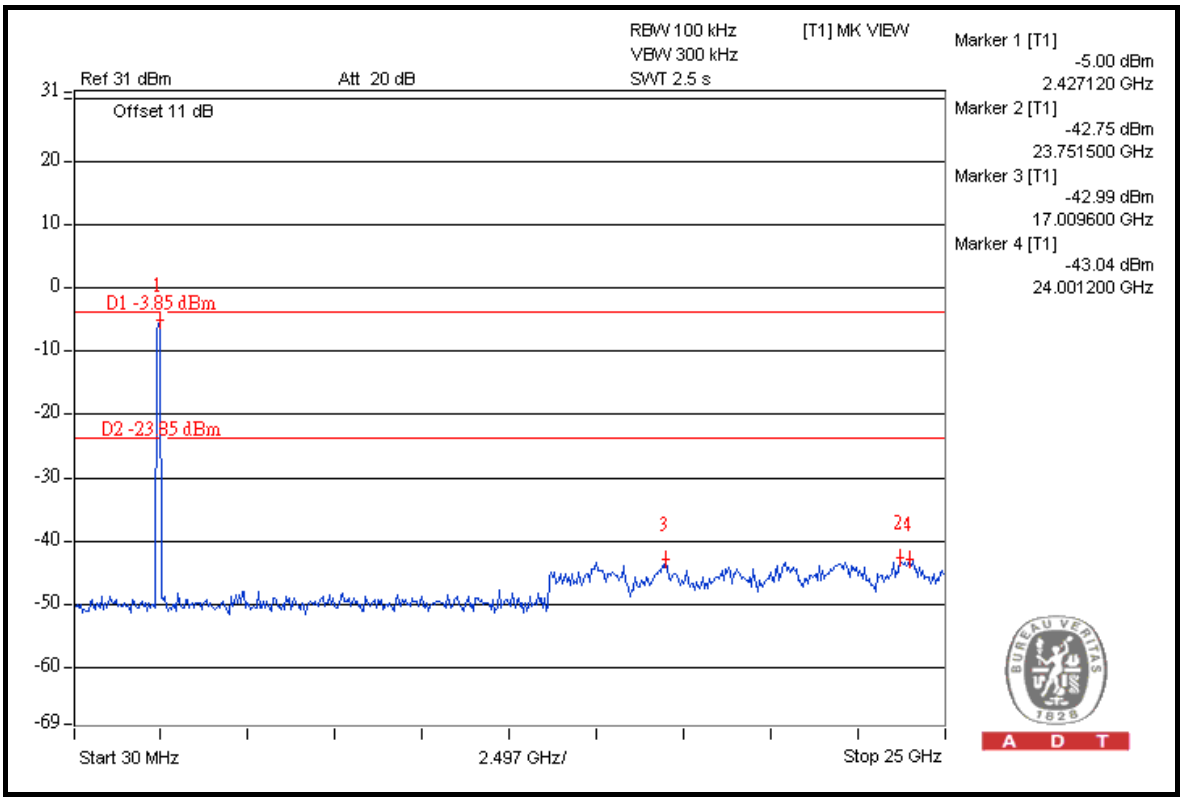

RBW 1 MHz
VBW 10 Hz
SWT 16 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -3.14 dBm
D2 -23.14 dBm
Marker 1 [T1]
-3.14 dBm
2.461200 GHz
Marker 2 [T1]
-50.74 dBm
2.483500 GHz
Marker 3 [T1]
-50.74 dBm
2.483500 GHz
Marker 4 [T1]
-52.02 dBm
2.500000 GHz
Center 2.528 GHz
20 MHz/
Span 200 MHz

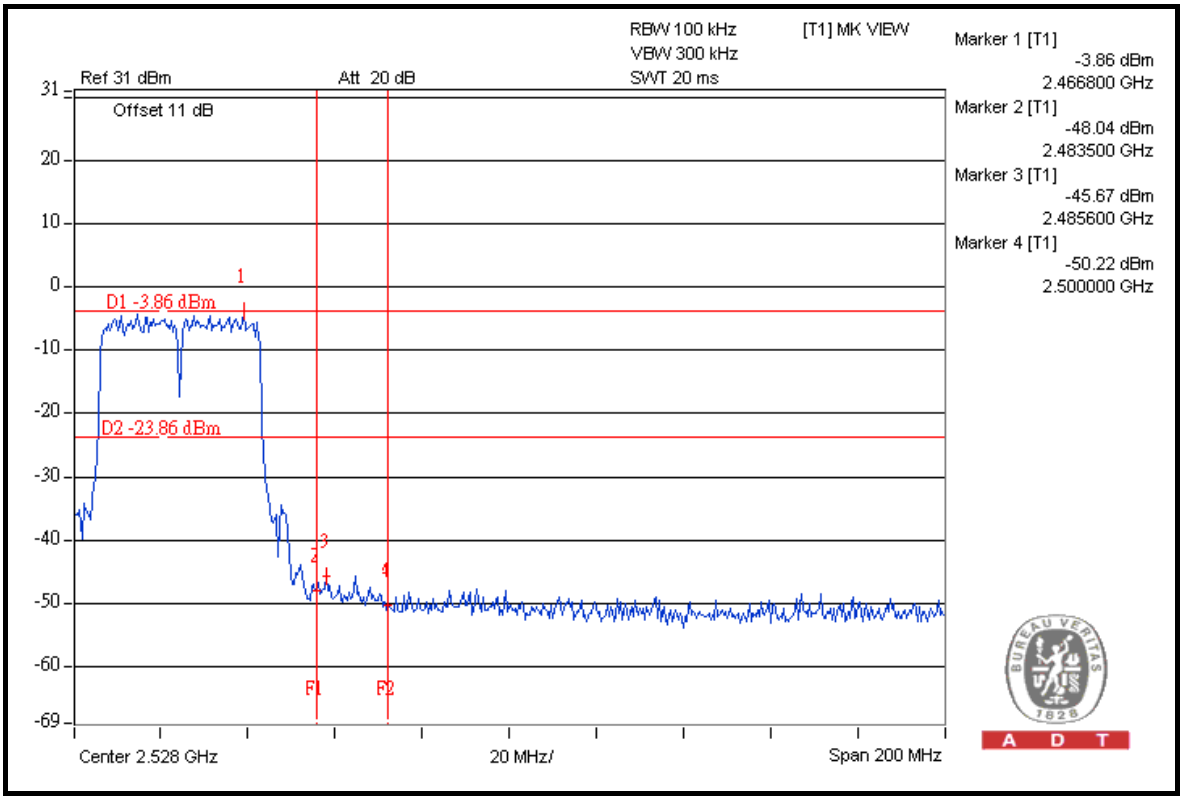

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -4.49 dBm
D2 -24.49 dBm
Marker 1 [T1]
-5.75 dBm
2.427120 GHz
Marker 2 [T1]
-42.13 dBm
22.053540 GHz
Marker 3 [T1]
-42.51 dBm
23.801440 GHz
Marker 4 [T1]
-42.53 dBm
21.903720 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz

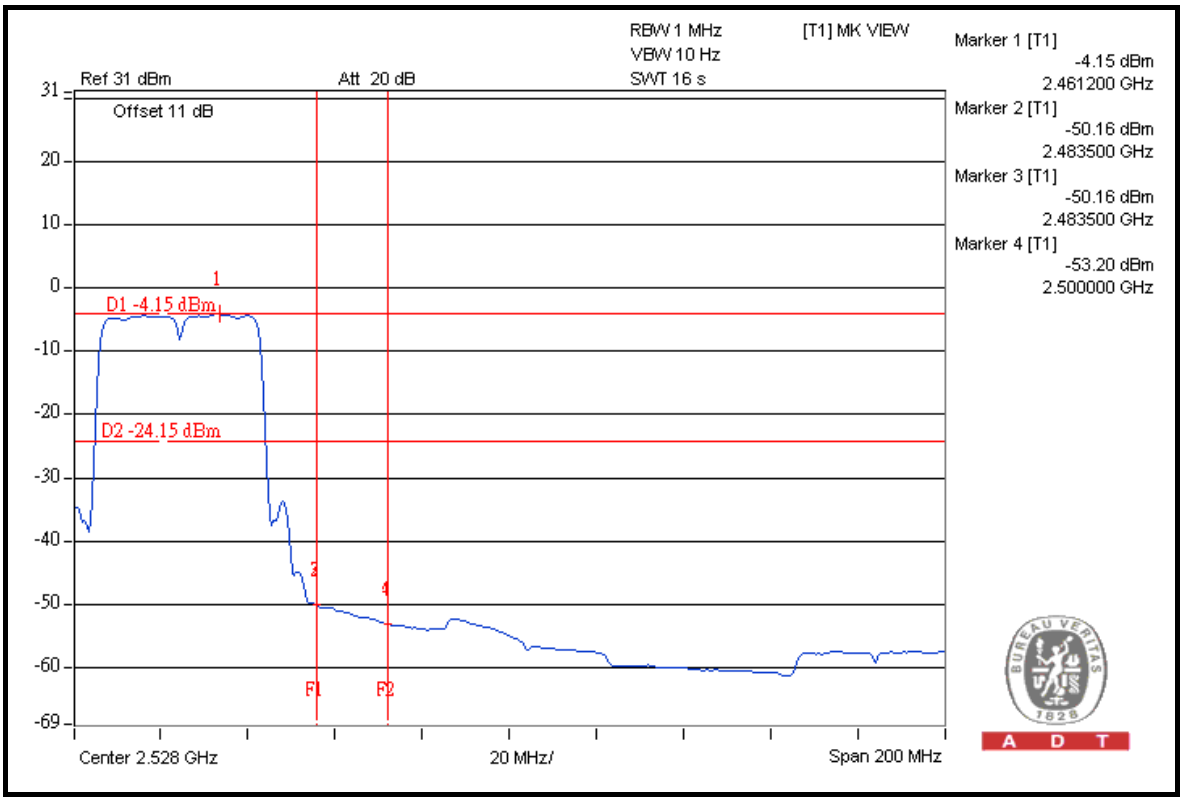
CHAIN 1

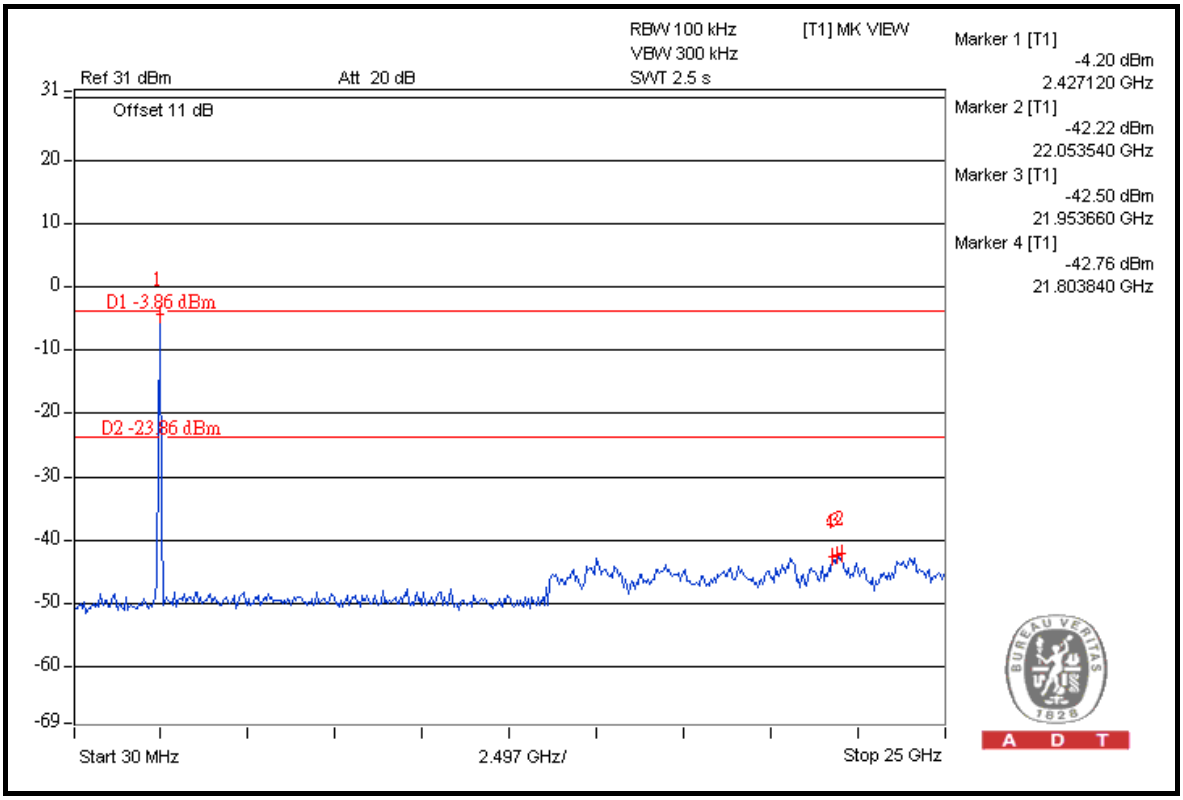

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -3.85 dBm
D2 -23.85 dBm
Marker 1 [T1]
-3.85 dBm
2.437200 GHz
Marker 2 [T1]
-42.52 dBm
2.400000 GHz
Marker 3 [T1]
-34.52 dBm
2.398400 GHz
Marker 4 [T1]
-46.88 dBm
2.390000 GHz
Marker 5 [T1]
-44.35 dBm
2.388000 GHz
Center 2.346 GHz
20 MHz/
Span 200 MHz


RBW 1 MHz
VBW 10 Hz
SWT 16 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -4.21 dBm
D2 -24.21 dBm
Marker 1 [T1]
-4.21 dBm
2.431200 GHz
Marker 2 [T1]
-37.12 dBm
2.400000 GHz
Marker 3 [T1]
-35.03 dBm
2.398800 GHz
Marker 4 [T1]
-50.15 dBm
2.390000 GHz
Marker 5 [T1]
-50.03 dBm
2.388800 GHz
Center 2.346 GHz
20 MHz/
Span 200 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -3.85 dBm
D2 -23.85 dBm
Marker 1 [T1]
-5.00 dBm
2.427120 GHz
Marker 2 [T1]
-42.75 dBm
23.751500 GHz
Marker 3 [T1]
-42.99 dBm
17.009600 GHz
Marker 4 [T1]
-43.04 dBm
24.001200 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -3.86 dBm
D2 -23.86 dBm
Marker 1 [T1]
-3.86 dBm
2.466800 GHz
Marker 2 [T1]
-48.04 dBm
2.483500 GHz
Marker 3 [T1]
-45.67 dBm
2.485600 GHz
Marker 4 [T1]
-50.22 dBm
2.500000 GHz
Center 2.528 GHz
20 MHz/
Span 200 MHz


RBW 1 MHz
VBW 10 Hz
SWT 16 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -4.15 dBm
D2 -24.15 dBm
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz
Marker 1 [T1]
-4.15 dBm
2.461200 GHz
Marker 2 [T1]
-50.16 dBm
2.483500 GHz
Marker 3 [T1]
-50.16 dBm
2.483500 GHz
Marker 4 [T1]
-53.20 dBm
2.500000 GHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 31 dBm
Att 20 dB
Offset 11 dB
D1 -3.86 dBm
D2 -23.86 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz
Marker 1 [T1]
-4.20 dBm
2.427120 GHz
Marker 2 [T1]
-42.22 dBm
22.053540 GHz
Marker 3 [T1]
-42.50 dBm
21.953660 GHz
Marker 4 [T1]
-42.76 dBm
21.803840 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:

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Fax: 886-3-3185050

Email: service.adt@tw.bureauveritas.com
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---