FCC TEST REPORT

REPORT NO.:	RF110307C15B
MODEL NO.:	TG582n
BULK CODE:	DSLWBC582US DSLWBC582PA
FCC ID:	RSE-TG582N
RECEIVED:	Apr. 11, 2011
TESTED:	Apr. 13 ~ May 10, 2011
ISSUED:	May 13, 2011

APPLICANT:	Thomson Telecom Belgium
ADDRESS:	Prins Boudewijnlaan 47 B-2650 Edegem - Belgium

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	N/A	May 13, 2011

1. CERTIFICATION

PRODUCT:	ADSL MODEM
MODEL NO.:	TG582n
BULK CODE:	DSLWBC582US DSLWBC582PA
BRAND:	THOMSON
APPLICANT:	Thomson Telecom Belgium
TEST SAMPLE:	PEM2a
SOFTWARE VERSION:	Batch #6 (File name: dant-t_AA_linux_BB_qual_0703.bli.zip)
BOOT LOADER VERSION:	1.0.3
WIRELESS VERSION:	unknow
TESTED:	Apr. 13 ~ May 10, 2011
STANDARDS:	**FCC Part 15, Subpart C (Section 15.247)** ANSI C63.4-2003 ANSI C63.10-2009

The above equipment (Model: TG582n) 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 : May 13, 2011
Joanna Wang / Senior Specialist

APPROVED BY : _____ , DATE : May 13, 2011
Gary Chang / Assistant 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 -15.98dB at 0.197MHz.
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 -1.1dB at 4824.00MHz, 2390.00MHz and 2483.50MHz
15.247(e)	Power Spectral Density Limit: max. 8dBm	PASS	Meet the requirement of limit.
15.247(d)	Band Edge Measurement Limit: 20dB less than the peak value of fundamental frequency	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	No antenna connector is used.

2.1 MEASUREMENT UNCERTAINTY

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.44dB
Radiated emissions	30MHz ~ 200MHz	3.34dB
	200MHz ~1000MHz	3.35dB
	1GHz ~ 18GHz	2.26dB
	18GHz ~ 40GHz	1.94dB

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	ADSL MODEM
MODEL NO.	TG582n
BULK CODE	DSLWBC582US DSLWBC582PA
FCC ID	RSE-TG582N
NOMINAL VOLTAGE	12Vdc (adapter)
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	544.6mW
ANTENNA TYPE	Refer to NOTE as below
ANTENNA CONNECTER	NA
DATA CABLE	NA
I/O PORTS	RJ45, RJ11, USB
ACCESSORY DEVICES	Adapter

NOTE:

1. DSLWBC582US is similar to DSLWBC582PA except the software.
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 EUT uses following adapter:

BRAND:	PHIHONG
MODEL:	PSM12A-120
INPUT:	100-240Vac, 50/60Hz, 0.35A Max.
OUTPUT:	12Vdc, 1.0A
P/N:	DSL36847660
POWER LINE:	1.44m non-shielded cable without core

4. The EUT comes with following antennas:

ANTENNA TYPE	GAIN (dBi)							
	2400MHz	2412MHz	2422MHz	2442MHz	2462MHz	2472MHz	2483.5MHz	2500MHz
Chip (Antenna 0)	2.91	2.86	2.80	2.63	2.60	2.67	2.59	2.30
Chip (Antenna 1)	2.80	3.06	3.17	3.22	3.20	3.19	3.08	2.72

5. 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

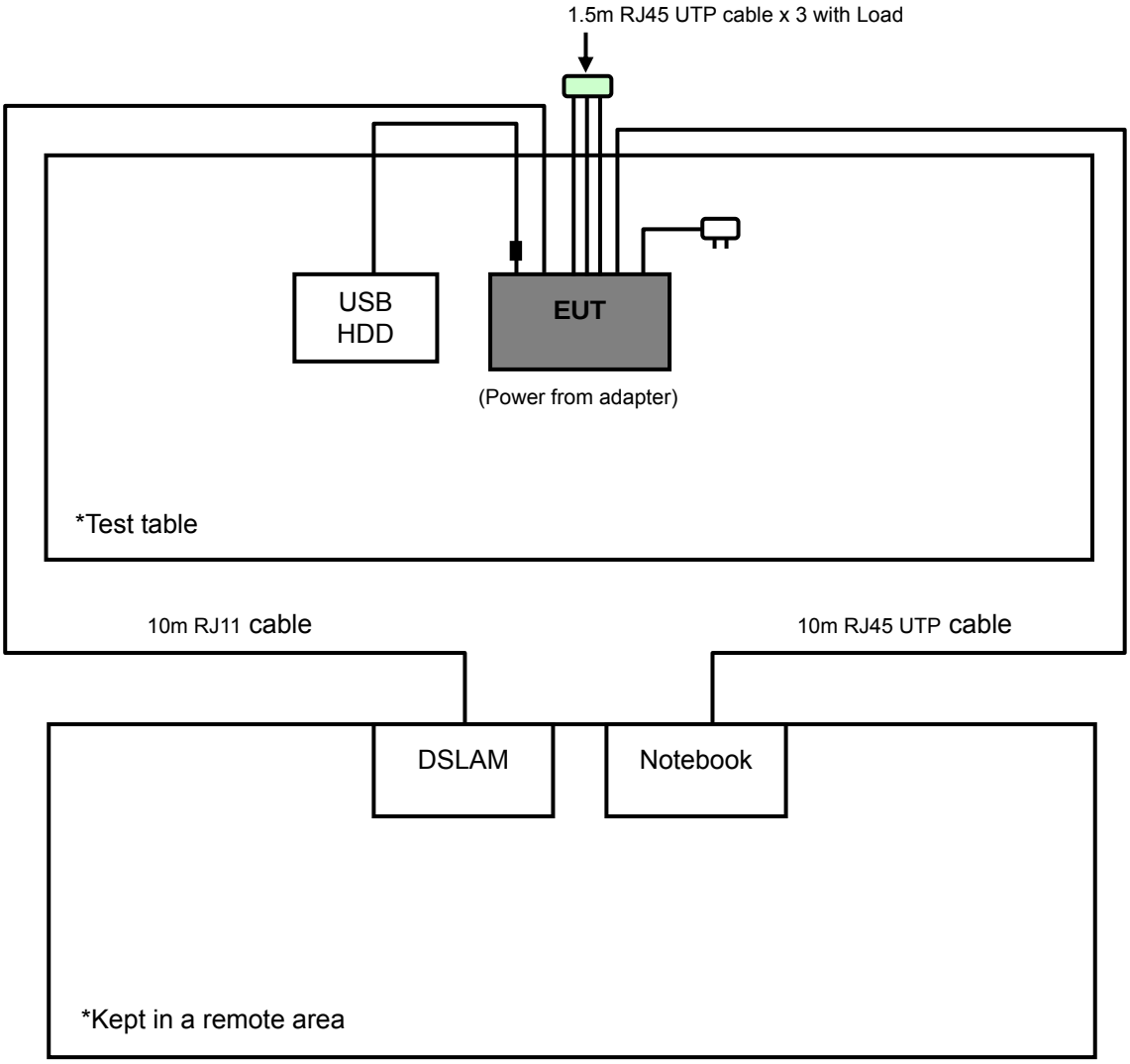
11 channels are provided for 802.11b, 802.11g and 802.11n (20MHz):

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
3	2422MHz	7	2442MHz
4	2427MHz	8	2447MHz
5	2432MHz	9	2452MHz
6	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, XYZ axis and antenna ports (if EUT with antenna diversity architecture).
☒ Following channel(s) was (were) selected for the final test as listed below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX FUNCTION	AXIS
802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0	1TX	Z
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0	1TX	Z
802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2	1TX	Z
802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	14.4	2TX	Z
802.11n (40MHz)	3 to 9	3, 6, 9	OFDM	BPSK	15.0	1TX	Z
802.11n (40MHz)	3 to 9	3, 6, 9	OFDM	BPSK	30.0	2TX	Z

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.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX FUNCTION	AXIS
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0	1TX	Z
802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	14.4	2TX	Z

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.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX FUNCTION
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0	1TX
802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	14.4	2TX

BANDEDGE MEASUREMENT:

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

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

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX FUNCTION
802.11b	1 to 11	1, 11	DSSS	DBPSK	1.0	1TX
802.11g	1 to 11	1, 11	OFDM	BPSK	6.0	1TX
802.11n (20MHz)	1 to 11	1, 11	OFDM	BPSK	7.2	1TX
802.11n (20MHz)	1 to 11	1, 11	OFDM	BPSK	14.4	2TX
802.11n (40MHz)	3 to 9	3, 9	OFDM	BPSK	15.0	1TX
802.11n (40MHz)	3 to 9	3, 9	OFDM	BPSK	30.0	2TX

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.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	TX FUNCTION
802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0	1TX
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0	1TX
802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2	1TX
802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	14.4	2TX
802.11n (40MHz)	3 to 9	3, 6, 9	OFDM	BPSK	15.0	1TX
802.11n (40MHz)	3 to 9	3, 6, 9	OFDM	BPSK	30.0	2TX

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER
RE≥1G	25deg. C, 65%RH, 1018 hPa	120Vac, 60Hz
RE<1G	22deg. C, 61%RH, 1016 hPa	120Vac, 60Hz
PLC	22deg. C, 63%RH, 1013 hPa (for Ant 0)	120Vac, 60Hz
	25deg. C, 68%RH, 1005 hPa (for Ant 1)	120Vac, 60Hz
APCM	22deg. C, 61%RH, 1011 hPa (for 1TX)	120Vac, 60Hz
	25deg. C, 63%RH, 1011 hPa (for 2TX)	120Vac, 60Hz

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	USB HDD	DELL	RD1000	CN-0F088R-70561-96D-0005-A00	NA
2	NOTEBOOK	DELL	D600	N09-00319	QDS-BRCM1005-D
3	DSLAM	Alcatel	7300ASAM	NA	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	1.8m shielded USB cable with one core.
2	10m RJ45 UTP cable.
3	10m RJ11 cable.

NOTE: 1. All power cords of the above support units are non shielded (1.8m).
2. Item 2~3 acts as a communication partner to transfer data.
3. Item 3 was provided by the 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.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESIB7	100212	Jul. 22, 2010	Jul. 21, 2011
Spectrum Analyzer Agilent	E4446A	MY48250266	Aug. 11, 2010	Aug. 10, 2011
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Apr. 13, 2011	Apr. 12, 2012
HORN Antenna SCHWARZBECK	9120D	9120D-405	Feb. 08, 2011	Feb. 07, 2012
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170243	Dec. 27, 2010	Dec. 26, 2011
Preamplifier Agilent	8447D	2944A10633	Nov. 02, 2010	Nov. 01, 2011
Preamplifier Agilent	8449B	3008A01964	Nov. 02, 2010	Nov. 01, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	238141/4	May 14, 2010	May 13, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	12738/6	May 14, 2010	May 13, 2011
Software ADT.	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA	NA
Turn Table ADT.	TT100.	TT93021703	NA	NA
Turn Table Controller ADT.	SC100.	SC93021703	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 3.

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

4. The FCC Site Registration No. is 988962.

5. The IC Site Registration No. is IC 7450F-3.

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.

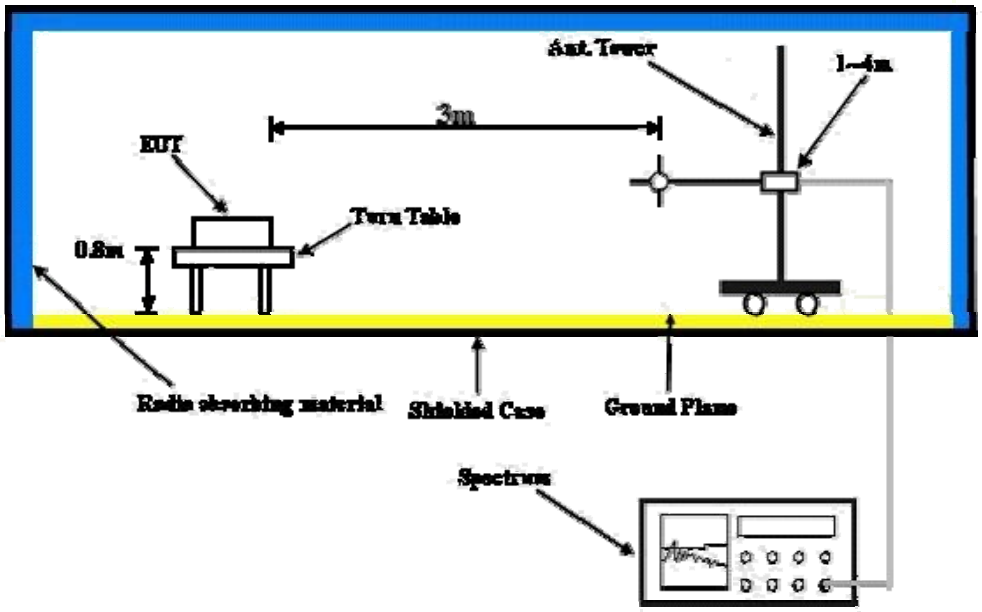
NOTE:

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 related item – Photographs of the Test Configuration.

4.1.6 EUT OPERATING CONDITIONS

a. Placed the EUT on the testing table.
b. Prepared notebook to act as communication partner and placed it outside of testing area.
c. The communication partner connected with EUT via a RJ45 cable and run a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.
d. The necessary accessories enable the EUT in full functions.

4.1.7 TEST RESULTS

ABOVE 1GHz WORST-CASE DATA：

802.11b: 1TX (Ant 0)

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, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	52.7 PK	74.0	-21.3	1.32 H	239	22.40	30.30
2	2390.00	41.9 AV	54.0	-12.1	1.32 H	239	11.60	30.30
3	*2412.00	100.1 PK			1.32 H	239	69.80	30.30
4	*2412.00	94.9 AV			1.32 H	239	64.60	30.30
5	4824.00	58.2 PK	74.0	-15.8	1.00 H	340	22.00	36.20
6	4824.00	52.8 AV	54.0	-1.2	1.00 H	340	16.60	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	56.2 PK	74.0	-17.8	1.24 V	141	25.90	30.30
2	2390.00	45.7 AV	54.0	-8.3	1.24 V	141	15.40	30.30
3	*2412.00	107.5 PK			1.24 V	141	77.20	30.30
4	*2412.00	102.2 AV			1.24 V	141	71.90	30.30
5	4824.00	58.4 PK	74.0	-15.6	1.06 V	8	22.20	36.20
6	**4824.00**	**52.9 AV**	**54.0**	**-1.1**	**1.06 V**	**8**	**16.70**	**36.20**

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	99.0 PK			1.33 H	238	68.60	30.40
2	*2437.00	93.8 AV			1.33 H	238	63.40	30.40
3	4874.00	56.4 PK	74.0	-17.6	1.01 H	335	20.20	36.20
4	4874.00	52.5 AV	54.0	-1.5	1.01 H	335	16.30	36.20
5	7311.00	56.2 PK	74.0	-17.8	1.01 H	18	14.00	42.20
6	7311.00	49.8 AV	54.0	-4.2	1.01 H	18	7.60	42.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	106.4 PK			1.01 V	164	76.00	30.40
2	*2437.00	101.2 AV			1.01 V	164	70.80	30.40
3	4874.00	53.8 PK	74.0	-20.2	1.24 V	302	17.60	36.20
4	4874.00	48.6 AV	54.0	-5.4	1.24 V	302	12.40	36.20
5	7311.00	56.6 PK	74.0	-17.4	1.10 V	165	14.40	42.20
6	7311.00	49.5 AV	54.0	-4.5	1.10 V	165	7.30	42.20

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	99.3 PK			1.32 H	240	68.80	30.50
2	*2462.00	94.1 AV			1.32 H	240	63.60	30.50
3	2483.50	53.4 PK	74.0	-20.6	1.28 H	238	22.80	30.60
4	2483.50	43.1 AV	54.0	-10.9	1.28 H	238	12.50	30.60
5	4924.00	56.9 PK	74.0	-17.1	1.19 H	304	20.60	36.30
6	4924.00	52.1 AV	54.0	-1.9	1.19 H	304	15.80	36.30
7	7386.00	55.2 PK	74.0	-18.8	1.00 H	2	12.80	42.40
8	7386.00	47.5 AV	54.0	-6.5	1.00 H	2	5.10	42.40
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	106.6 PK			1.00 V	161	76.10	30.50
2	*2462.00	101.4 AV			1.00 V	161	70.90	30.50
3	2483.50	57.0 PK	74.0	-17.0	1.00 V	161	26.40	30.60
4	2483.50	47.8 AV	54.0	-6.2	1.00 V	161	17.20	30.60
5	4924.00	54.6 PK	74.0	-19.4	1.13 V	319	18.30	36.30
6	4924.00	49.3 AV	54.0	-4.7	1.13 V	319	13.00	36.30
7	7386.00	57.1 PK	74.0	-16.9	1.24 V	162	14.70	42.40
8	7386.00	50.2 AV	54.0	-3.8	1.24 V	162	7.80	42.40

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.

802.11b: 1TX (Ant 1)

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, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	52.0 PK	74.0	-22.0	1.21 H	266	21.70	30.30
2	2390.00	41.1 AV	54.0	-12.9	1.21 H	266	10.80	30.30
3	*2412.00	99.8 PK			1.32 H	239	69.50	30.30
4	*2412.00	93.6 AV			1.21 H	266	63.30	30.30
5	4824.00	57.3 PK	74.0	-16.7	1.05 H	302	21.10	36.20
6	4824.00	52.0 AV	54.0	-2.0	1.05 H	302	15.80	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	55.1 PK	74.0	-18.9	1.20 V	133	24.80	30.30
2	2390.00	44.5 AV	54.0	-9.5	1.20 V	133	14.20	30.30
3	*2412.00	106.8 PK			1.20 V	133	76.50	30.30
4	*2412.00	101.4 AV			1.20 V	133	71.10	30.30
5	4824.00	57.5 PK	74.0	-16.5	1.13 V	91	21.30	36.20
6	4824.00	51.6 AV	54.0	-2.4	1.13 V	91	15.40	36.20

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	98.3 PK			1.20 H	210	67.90	30.40
2	*2437.00	93.2 AV			1.20 H	210	62.80	30.40
3	4874.00	55.1 PK	74.0	-18.9	1.17 H	312	18.90	36.20
4	4874.00	51.4 AV	54.0	-2.6	1.17 H	312	15.20	36.20
5	7311.00	55.8 PK	74.0	-18.2	1.08 H	54	13.60	42.20
6	7311.00	49.4 AV	54.0	-4.6	1.08 H	54	7.20	42.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	105.4 PK			1.09 V	222	75.00	30.40
2	*2437.00	100.3 AV			1.09 V	222	69.90	30.40
3	4874.00	53.1 PK	74.0	-20.9	1.09 V	222	16.90	36.20
4	4874.00	48.2 AV	54.0	-5.8	1.09 V	222	12.00	36.20
5	7311.00	55.8 PK	74.0	-18.2	1.22 V	310	13.60	42.20
6	7311.00	48.8 AV	54.0	-5.2	1.22 V	310	6.60	42.20

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	97.9 PK			1.24 H	200	67.40	30.50
2	*2462.00	93.1 AV			1.24 H	200	62.60	30.50
3	2483.50	52.1 PK	74.0	-21.9	1.20 H	199	21.50	30.60
4	2483.50	42.0 AV	54.0	-12.0	1.20 H	199	11.40	30.60
5	4924.00	55.3 PK	74.0	-18.7	1.08 H	254	19.00	36.30
6	4924.00	51.2 AV	54.0	-2.8	1.08 H	254	14.90	36.30
7	7386.00	54.1 PK	74.0	-19.9	1.05 H	76	11.70	42.40
8	7386.00	46.1 AV	54.0	-7.9	1.05 H	76	3.70	42.40
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	105.6 PK			1.07 V	124	75.10	30.50
2	*2462.00	100.2 AV			1.07 V	124	69.70	30.50
3	2483.50	56.3 PK	74.0	-17.7	1.08 V	111	25.70	30.60
4	2483.50	47.6 AV	54.0	-6.4	1.08 V	111	17.00	30.60
5	4924.00	54.0 PK	74.0	-20.0	1.07 V	302	17.70	36.30
6	4924.00	49.2 AV	54.0	-4.8	1.07 V	302	12.90	36.30
7	7386.00	56.7 PK	74.0	-17.3	1.18 V	154	14.30	42.40
8	7386.00	50.0 AV	54.0	-4.0	1.18 V	154	7.60	42.40

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: 1TX (Ant 0)

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, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	59.5 PK	74.0	-14.5	1.12 H	212	29.20	30.30
2	2390.00	45.1 AV	54.0	-8.9	1.12 H	212	14.80	30.30
3	*2412.00	101.3 PK			1.12 H	212	71.00	30.30
4	*2412.00	90.2 AV			1.12 H	212	59.90	30.30
5	4824.00	55.2 PK	74.0	-18.8	1.06 H	154	19.00	36.20
6	4824.00	40.0 AV	54.0	-14.0	1.06 H	154	3.80	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.4 PK	74.0	-5.6	1.03 V	163	38.10	30.30
2	**2390.00**	**52.9 AV**	**54.0**	**-1.1**	**1.03 V**	**163**	**22.60**	**30.30**
3	*2412.00	107.2 PK			1.02 V	158	76.90	30.30
4	*2412.00	94.6 AV			1.02 V	158	64.30	30.30
5	4824.00	54.8 PK	74.0	-19.2	1.10 V	175	18.60	36.20
6	4824.00	39.6 AV	54.0	-14.4	1.10 V	175	3.40	36.20

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	1.09 H	208	25.70	30.30
2	2390.00	40.9 AV	54.0	-13.1	1.09 H	208	10.60	30.30
3	*2437.00	104.2 PK			1.09 H	208	73.80	30.40
4	*2437.00	93.1 AV			1.09 H	208	62.70	30.40
5	2483.50	56.5 PK	74.0	-17.5	1.09 H	208	25.90	30.60
6	2483.50	41.3 AV	54.0	-12.7	1.09 H	208	10.70	30.60
7	4874.00	55.1 PK	74.0	-18.9	1.10 H	42	18.90	36.20
8	4874.00	39.6 AV	54.0	-14.4	1.10 H	42	3.40	36.20
9	7311.00	56.8 PK	74.0	-17.2	1.14 H	21	14.60	42.20
10	7311.00	43.4 AV	54.0	-10.6	1.14 H	21	1.20	42.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	62.7 PK	74.0	-11.3	1.01 V	161	32.40	30.30
2	2390.00	45.7 AV	54.0	-8.3	1.01 V	161	15.40	30.30
3	*2437.00	110.2 PK			1.01 V	161	79.80	30.40
4	*2437.00	98.0 AV			1.01 V	161	67.60	30.40
5	2483.50	64.8 PK	74.0	-9.2	1.01 V	161	34.20	30.60
6	2483.50	45.9 AV	54.0	-8.1	1.01 V	161	15.30	30.60
7	4874.00	55.6 PK	74.0	-18.4	1.12 V	38	19.40	36.20
8	4874.00	40.2 AV	54.0	-13.8	1.12 V	38	4.00	36.20
9	7311.00	56.5 PK	74.0	-17.5	1.05 V	228	14.30	42.20
10	7311.00	43.0 AV	54.0	-11.0	1.05 V	228	0.80	42.20

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	101.6 PK			1.10 H	210	71.10	30.50
2	*2462.00	90.5 AV			1.10 H	210	60.00	30.50
3	2483.50	59.2 PK	74.0	-14.8	1.10 H	210	28.60	30.60
4	2483.50	44.8 AV	54.0	-9.2	1.10 H	210	14.20	30.60
5	4924.00	55.6 PK	74.0	-18.4	1.05 H	160	19.30	36.30
6	4924.00	40.2 AV	54.0	-13.8	1.05 H	160	3.90	36.30
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	*2462.00	107.6 PK			1.00 V	165	77.10	30.50
2	*2462.00	95.1 AV			1.00 V	165	64.60	30.50
3	2483.50	70.8 PK	74.0	-3.2	1.20 V	161	40.20	30.60
4	2483.50	52.2 AV	54.0	-1.8	1.20 V	161	21.60	30.60
5	4924.00	55.4 PK	74.0	-18.6	1.04 V	182	19.10	36.30
6	4924.00	40.1 AV	54.0	-13.9	1.04 V	182	3.80	36.30

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.

802.11g: 1TX (Ant 1)

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, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	58.1 PK	74.0	-15.9	1.17 H	225	27.80	30.30
2	2390.00	44.1 AV	54.0	-9.9	1.17 H	225	13.80	30.30
3	*2412.00	100.3 PK			1.09 H	256	70.00	30.30
4	*2412.00	89.5 AV			1.09 H	256	59.20	30.30
5	4824.00	55.2 PK	74.0	-18.8	1.18 H	67	19.00	36.20
6	4824.00	40.0 AV	54.0	-14.0	1.18 H	67	3.80	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	65.1 PK	74.0	-8.9	1.06 V	141	34.80	30.30
2	2390.00	51.6 AV	54.0	-2.4	1.06 V	141	21.30	30.30
3	*2412.00	106.2 PK			1.05 V	175	75.90	30.30
4	*2412.00	94.1 AV			1.05 V	175	63.80	30.30
5	4824.00	54.2 PK	74.0	-19.8	1.14 V	188	18.00	36.20
6	4824.00	39.0 AV	54.0	-15.0	1.14 V	188	2.80	36.20

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	55.0 PK	74.0	-19.0	1.19 H	210	24.70	30.30
2	2390.00	40.2 AV	54.0	-13.8	1.19 H	210	9.90	30.30
3	*2437.00	103.1 PK			1.19 H	210	72.70	30.40
4	*2437.00	92.4 AV			1.19 H	210	62.00	30.40
5	2483.50	55.2 PK	74.0	-18.8	1.19 H	210	24.60	30.60
6	2483.50	40.0 AV	54.0	-14.0	1.19 H	210	9.40	30.60
7	4874.00	54.7 PK	74.0	-19.3	1.22 H	74	18.50	36.20
8	4874.00	39.2 AV	54.0	-14.8	1.22 H	74	3.00	36.20
9	7311.00	56.5 PK	74.0	-17.5	1.12 H	36	14.30	42.20
10	7311.00	43.1 AV	54.0	-10.9	1.12 H	36	0.90	42.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	61.6 PK	74.0	-12.4	1.05 V	143	31.30	30.30
2	2390.00	45.2 AV	54.0	-8.8	1.05 V	143	14.90	30.30
3	*2437.00	109.2 PK			1.05 V	143	78.80	30.40
4	*2437.00	97.0 AV			1.05 V	143	66.60	30.40
5	2483.50	65.9 PK	74.0	-8.1	1.05 V	143	35.30	30.60
6	2483.50	45.0 AV	54.0	-9.0	1.05 V	143	14.40	30.60
7	4874.00	55.2 PK	74.0	-18.8	1.22 V	66	19.00	36.20
8	4874.00	39.8 AV	54.0	-14.2	1.22 V	66	3.60	36.20
9	7311.00	56.2 PK	74.0	-17.8	1.07 V	301	14.00	42.20
10	7311.00	42.6 AV	54.0	-11.4	1.07 V	301	0.40	42.20

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	100.8 PK			1.05 H	223	70.30	30.50
2	*2462.00	89.2 AV			1.05 H	223	58.70	30.50
3	2483.50	58.2 PK	74.0	-15.8	1.05 H	223	27.60	30.60
4	2483.50	44.2 AV	54.0	-9.8	1.05 H	223	13.60	30.60
5	4924.00	55.3 PK	74.0	-18.7	1.13 H	180	19.00	36.30
6	4924.00	40.0 AV	54.0	-14.0	1.13 H	180	3.70	36.30
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	*2462.00	106.3 PK			1.05 V	154	75.80	30.50
2	*2462.00	94.2 AV			1.05 V	154	63.70	30.50
3	2483.50	70.0 PK	74.0	-4.0	1.15 V	144	39.40	30.60
4	2483.50	51.6 AV	54.0	-2.4	1.15 V	144	21.00	30.60
5	4924.00	55.1 PK	74.0	-18.9	1.08 V	146	18.80	36.30
6	4924.00	39.7 AV	54.0	-14.3	1.08 V	146	3.40	36.30

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.

802.11n (20MHz): 1TX (Ant 0)

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, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	59.2 PK	74.0	-14.8	1.10 H	210	28.90	30.30
2	2390.00	44.9 AV	54.0	-9.1	1.10 H	210	14.60	30.30
3	*2412.00	101.1 PK			1.10 H	210	70.80	30.30
4	*2412.00	90.0 AV			1.10 H	210	59.70	30.30
5	4824.00	55.0 PK	74.0	-19.0	1.05 H	38	18.80	36.20
6	4824.00	39.6 AV	54.0	-14.4	1.05 H	38	3.40	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	69.2 PK	74.0	-4.8	1.25 V	132	38.90	30.30
2	**2390.00**	**52.9 AV**	**54.0**	**-1.1**	**1.25 V**	**132**	**22.60**	**30.30**
3	*2412.00	106.9 PK			1.21 V	132	76.60	30.30
4	*2412.00	94.8 AV			1.21 V	132	64.50	30.30
5	4824.00	54.6 PK	74.0	-19.4	1.09 V	181	18.40	36.20
6	4824.00	39.3 AV	54.0	-14.7	1.09 V	181	3.10	36.20

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	55.8 PK	74.0	-18.2	1.10 H	211	25.50	30.30
2	2390.00	40.6 AV	54.0	-13.4	1.10 H	211	10.30	30.30
3	*2437.00	104.0 PK			1.10 H	211	73.60	30.40
4	*2437.00	92.9 AV			1.10 H	211	62.50	30.40
5	2483.50	56.2 PK	74.0	-17.8	1.10 H	211	25.60	30.60
6	2483.50	41.0 AV	54.0	-13.0	1.10 H	211	10.40	30.60
7	4874.00	54.8 PK	74.0	-19.2	1.06 H	91	18.60	36.20
8	4874.00	39.5 AV	54.0	-14.5	1.06 H	91	3.30	36.20
9	7311.00	56.5 PK	74.0	-17.5	1.10 H	40	14.30	42.20
10	7311.00	43.2 AV	54.0	-10.8	1.10 H	40	1.00	42.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	62.3 PK	74.0	-11.7	1.05 V	161	32.00	30.30
2	2390.00	45.1 AV	54.0	-8.9	1.05 V	161	14.80	30.30
3	*2437.00	110.0 PK			1.05 V	161	79.60	30.40
4	*2437.00	97.8 AV			1.05 V	161	67.40	30.40
5	2483.50	64.3 PK	74.0	-9.7	1.05 V	161	33.70	30.60
6	2483.50	45.6 AV	54.0	-8.4	1.05 V	161	15.00	30.60
7	4874.00	55.3 PK	74.0	-18.7	1.08 V	66	19.10	36.20
8	4874.00	39.8 AV	54.0	-14.2	1.08 V	66	3.60	36.20
9	7311.00	56.2 PK	74.0	-17.8	1.06 V	230	14.00	42.20
10	7311.00	42.8 AV	54.0	-11.2	1.06 V	230	0.60	42.20

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	101.4 PK			1.09 H	208	70.90	30.50
2	*2462.00	90.3 AV			1.09 H	208	59.80	30.50
3	2483.50	59.0 PK	74.0	-15.0	1.09 H	208	28.40	30.60
4	2483.50	44.5 AV	54.0	-9.5	1.09 H	208	13.90	30.60
5	4924.00	55.2 PK	74.0	-18.8	1.04 H	111	18.90	36.30
6	4924.00	40.1 AV	54.0	-13.9	1.04 H	111	3.80	36.30
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	*2462.00	107.4 PK			1.00 V	160	76.90	30.50
2	*2462.00	94.9 AV			1.00 V	160	64.40	30.50
3	2483.50	70.6 PK	74.0	-3.4	1.16 V	143	40.00	30.60
4	2483.50	52.1 AV	54.0	-1.9	1.16 V	143	21.50	30.60
5	4924.00	55.2 PK	74.0	-18.8	1.05 V	189	18.90	36.30
6	4924.00	39.8 AV	54.0	-14.2	1.05 V	189	3.50	36.30

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.

802.11n (20MHz): 1TX (Ant 1)

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, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	58.2 PK	74.0	-15.8	1.05 H	201	27.90	30.30
2	2390.00	44.2 AV	54.0	-9.8	1.05 H	201	13.90	30.30
3	*2412.00	100.0 PK			1.12 H	223	69.70	30.30
4	*2412.00	89.4 AV			1.12 H	223	59.10	30.30
5	4824.00	54.7 PK	74.0	-19.3	1.12 H	48	18.50	36.20
6	4824.00	39.1 AV	54.0	-14.9	1.12 H	48	2.90	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.1 PK	74.0	-5.9	1.18 V	147	37.80	30.30
2	2390.00	52.0 AV	54.0	-2.0	1.18 V	147	21.70	30.30
3	*2412.00	106.2 PK			1.28 V	105	75.90	30.30
4	*2412.00	94.4 AV			1.28 V	105	64.10	30.30
5	4824.00	54.1 PK	74.0	-19.9	1.04 V	122	17.90	36.20
6	4824.00	39.0 AV	54.0	-15.0	1.04 V	122	2.80	36.20

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	55.5 PK	74.0	-18.5	1.18 H	184	25.20	30.30
2	2390.00	40.2 AV	54.0	-13.8	1.18 H	184	9.90	30.30
3	*2437.00	103.0 PK			1.18 H	184	72.60	30.40
4	*2437.00	92.1 AV			1.18 H	184	61.70	30.40
5	2483.50	55.8 PK	74.0	-18.2	1.18 H	184	25.20	30.60
6	2483.50	40.5 AV	54.0	-13.5	1.18 H	184	9.90	30.60
7	4874.00	54.5 PK	74.0	-19.5	1.04 H	63	18.30	36.20
8	4874.00	39.1 AV	54.0	-14.9	1.04 H	63	2.90	36.20
9	7311.00	56.1 PK	74.0	-17.9	1.20 H	165	13.90	42.20
10	7311.00	42.8 AV	54.0	-11.2	1.20 H	165	0.60	42.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	62.0 PK	74.0	-12.0	1.10 V	158	31.70	30.30
2	2390.00	44.7 AV	54.0	-9.3	1.10 V	158	14.40	30.30
3	*2437.00	108.8 PK			1.10 V	158	78.40	30.40
4	*2437.00	96.9 AV			1.10 V	158	66.50	30.40
5	2483.50	64.0 PK	74.0	-10.0	1.10 V	158	33.40	30.60
6	2483.50	45.1 AV	54.0	-8.9	1.10 V	158	14.50	30.60
7	4874.00	54.8 PK	74.0	-19.2	1.15 V	97	18.60	36.20
8	4874.00	39.6 AV	54.0	-14.4	1.15 V	97	3.40	36.20
9	7311.00	55.8 PK	74.0	-18.2	1.02 V	201	13.60	42.20
10	7311.00	42.4 AV	54.0	-11.6	1.02 V	201	0.20	42.20

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

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			1.12 H	152	70.10	30.50
2	*2462.00	90.0 AV			1.12 H	152	59.50	30.50
3	2483.50	58.1 PK	74.0	-15.9	1.12 H	152	27.50	30.60
4	2483.50	43.8 AV	54.0	-10.2	1.12 H	152	13.20	30.60
5	4924.00	54.8 PK	74.0	-19.2	1.19 H	58	18.50	36.30
6	4924.00	39.9 AV	54.0	-14.1	1.19 H	58	3.60	36.30
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	*2462.00	106.4 PK			1.08 V	122	75.90	30.50
2	*2462.00	94.2 AV			1.08 V	122	63.70	30.50
3	2483.50	69.4 PK	74.0	-4.6	1.24 V	199	38.80	30.60
4	2483.50	51.8 AV	54.0	-2.2	1.24 V	199	21.20	30.60
5	4924.00	54.8 PK	74.0	-19.2	1.10 V	152	18.50	36.30
6	4924.00	39.3 AV	54.0	-14.7	1.10 V	152	3.00	36.30

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.

802.11n (20MHz): 2TX

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, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	59.6 PK	74.0	-14.4	1.03 H	168	29.30	30.30
2	2390.00	45.3 AV	54.0	-8.7	1.03 H	168	15.00	30.30
3	*2412.00	101.5 PK			1.03 H	168	71.20	30.30
4	*2412.00	89.5 AV			1.03 H	168	59.20	30.30
5	4824.00	55.4 PK	74.0	-18.6	1.01 H	52	19.20	36.20
6	4824.00	40.1 AV	54.0	-13.9	1.01 H	52	3.90	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	71.2 PK	74.0	-2.8	1.00 V	80	40.90	30.30
2	**2390.00**	**52.9 AV**	**54.0**	**-1.1**	**1.00 V**	**80**	**22.60**	**30.30**
3	*2412.00	108.6 PK			1.00 V	164	78.30	30.30
4	*2412.00	96.4 AV			1.00 V	164	66.10	30.30
5	4824.00	54.9 PK	74.0	-19.1	1.06 V	54	18.70	36.20
6	4824.00	39.6 AV	54.0	-14.4	1.06 V	54	3.40	36.20

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	56.1 PK	74.0	-17.9	1.04 H	165	25.80	30.30
2	2390.00	40.9 AV	54.0	-13.1	1.04 H	165	10.60	30.30
3	*2437.00	105.2 PK			1.04 H	165	74.80	30.40
4	*2437.00	93.0 AV			1.04 H	165	62.60	30.40
5	2483.50	56.5 PK	74.0	-17.5	1.04 H	165	25.90	30.60
6	2483.50	41.3 AV	54.0	-12.7	1.04 H	165	10.70	30.60
7	4874.00	56.8 PK	74.0	-17.2	1.06 H	234	20.60	36.20
8	4874.00	43.4 AV	54.0	-10.6	1.06 H	234	7.20	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	62.5 PK	74.0	-11.5	1.00 V	150	32.20	30.30
2	2390.00	45.9 AV	54.0	-8.1	1.00 V	150	15.60	30.30
3	*2437.00	112.4 PK			1.00 V	150	82.00	30.40
4	*2437.00	100.2 AV			1.00 V	150	69.80	30.40
5	2483.50	64.4 PK	74.0	-9.6	1.00 V	150	33.80	30.60
6	2483.50	46.2 AV	54.0	-7.8	1.00 V	150	15.60	30.60
7	4874.00	55.6 PK	74.0	-18.4	1.10 V	54	19.40	36.20
8	4874.00	40.2 AV	54.0	-13.8	1.10 V	54	4.00	36.20

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	102.5 PK			1.05 H	166	72.00	30.50
2	*2462.00	90.4 AV			1.05 H	166	59.90	30.50
3	2483.50	59.3 PK	74.0	-14.7	1.05 H	166	28.70	30.60
4	2483.50	44.8 AV	54.0	-9.2	1.05 H	166	14.20	30.60
5	4924.00	55.9 PK	74.0	-18.1	1.14 H	215	19.60	36.30
6	4924.00	40.3 AV	54.0	-13.7	1.14 H	215	4.00	36.30
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	*2462.00	109.5 PK			1.21 V	160	79.00	30.50
2	*2462.00	97.3 AV			1.21 V	160	66.80	30.50
3	2483.50	70.9 PK	74.0	-3.1	1.00 V	151	40.30	30.60
4	**2483.50**	**52.9 AV**	**54.0**	**-1.1**	**1.00 V**	**151**	**22.30**	**30.60**
5	4924.00	55.6 PK	74.0	-18.4	1.01 V	83	19.30	36.30
6	4924.00	40.2 AV	54.0	-13.8	1.01 V	83	3.90	36.30

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.

802.11n (40MHz): 1TX (Ant 0)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 3	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	61.0 PK	74.0	-13.0	1.06 H	218	30.70	30.30
2	2390.00	44.2 AV	54.0	-9.8	1.06 H	218	13.90	30.30
3	*2422.00	95.3 PK			1.06 H	218	64.90	30.40
4	*2422.00	84.2 AV			1.06 H	218	53.80	30.40
5	4844.00	52.1 PK	74.0	-21.9	1.08 H	91	15.90	36.20
6	4844.00	38.3 AV	54.0	-15.7	1.08 H	91	2.10	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	69.3 PK	74.0	-4.7	1.02 V	162	39.00	30.30
2	**2390.00**	**52.9 AV**	**54.0**	**-1.1**	**1.02 V**	**162**	**22.60**	**30.30**
3	*2422.00	101.5 PK			1.02 V	162	71.10	30.40
4	*2422.00	89.3 AV			1.02 V	162	58.90	30.40
5	4844.00	51.8 PK	74.0	-22.2	1.08 V	66	15.60	36.20
6	4844.00	38.0 AV	54.0	-16.0	1.08 V	66	1.80	36.20

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	64.2 PK	74.0	-9.8	1.05 H	220	33.90	30.30
2	2390.00	47.1 AV	54.0	-6.9	1.05 H	220	16.80	30.30
3	*2437.00	97.8 PK			1.05 H	220	67.40	30.40
4	*2437.00	86.7 AV			1.05 H	220	56.30	30.40
5	2483.50	63.8 PK	74.0	-10.2	1.05 H	220	33.20	30.60
6	2483.50	46.2 AV	54.0	-7.8	1.05 H	220	15.60	30.60
7	4874.00	53.4 PK	74.0	-20.6	1.05 H	66	17.20	36.20
8	4874.00	39.2 AV	54.0	-14.8	1.05 H	66	3.00	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.9 PK	74.0	-3.1	1.01 V	161	40.60	30.30
2	2390.00	52.8 AV	54.0	-1.2	1.01 V	161	22.50	30.30
3	*2437.00	104.0 PK			1.00 V	162	73.60	30.40
4	*2437.00	91.5 AV			1.00 V	162	61.10	30.40
5	2483.50	70.1 PK	74.0	-3.9	1.20 V	161	39.50	30.60
6	2483.50	51.7 AV	54.0	-2.3	1.20 V	161	21.10	30.60
7	4874.00	53.8 PK	74.0	-20.2	1.05 V	22	17.60	36.20
8	4874.00	39.5 AV	54.0	-14.5	1.05 V	22	3.30	36.20

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 9	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	96.1 PK			1.05 H	221	65.60	30.50
2	*2452.00	85.0 AV			1.05 H	221	54.50	30.50
3	2483.50	60.6 PK	74.0	-13.4	1.05 H	221	30.00	30.60
4	2483.50	43.9 AV	54.0	-10.1	1.05 H	221	13.30	30.60
5	4904.00	52.3 PK	74.0	-21.7	1.09 H	82	16.00	36.30
6	4904.00	38.5 AV	54.0	-15.5	1.09 H	82	2.20	36.30
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	*2452.00	102.1 PK			1.00 V	161	71.60	30.50
2	*2452.00	89.8 AV			1.00 V	161	59.30	30.50
3	2483.50	68.8 PK	74.0	-5.2	1.00 V	161	38.20	30.60
4	2483.50	52.1 AV	54.0	-1.9	1.00 V	161	21.50	30.60
5	4904.00	52.2 PK	74.0	-21.8	1.04 V	36	15.90	36.30
6	4904.00	38.4 AV	54.0	-15.6	1.04 V	36	2.10	36.30

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.

802.11n (40MHz): 1TX (Ant 1)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 3	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	60.2 PK	74.0	-13.8	1.02 H	184	29.90	30.30
2	2390.00	44.0 AV	54.0	-10.0	1.02 H	184	13.70	30.30
3	*2422.00	94.5 PK			1.02 H	184	64.10	30.40
4	*2422.00	83.7 AV			1.02 H	184	53.30	30.40
5	4844.00	51.7 PK	74.0	-22.3	1.19 H	58	15.50	36.20
6	4844.00	38.0 AV	54.0	-16.0	1.19 H	58	1.80	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.6 PK	74.0	-5.4	1.10 V	69	38.30	30.30
2	2390.00	52.4 AV	54.0	-1.6	1.10 V	69	22.10	30.30
3	*2422.00	100.7 PK			1.10 V	69	70.30	30.40
4	*2422.00	88.5 AV			1.10 V	69	58.10	30.40
5	4844.00	51.4 PK	74.0	-22.6	1.24 V	99	15.20	36.20
6	4844.00	37.6 AV	54.0	-16.4	1.22 V	99	1.40	36.20

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

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	63.0 PK	74.0	-11.0	1.12 H	210	32.70	30.30
2	2390.00	46.4 AV	54.0	-7.6	1.12 H	210	16.10	30.30
3	*2437.00	97.1 PK			1.13 H	200	66.70	30.40
4	*2437.00	86.4 AV			1.13 H	200	56.00	30.40
5	2483.50	63.0 PK	74.0	-11.0	1.05 H	166	32.40	30.60
6	2483.50	45.4 AV	54.0	-8.6	1.05 H	166	14.80	30.60
7	4874.00	53.1 PK	74.0	-20.9	1.18 H	156	16.90	36.20
8	4874.00	38.8 AV	54.0	-15.2	1.18 H	156	2.60	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.0 PK	74.0	-4.0	1.06 V	174	39.70	30.30
2	2390.00	52.3 AV	54.0	-1.7	1.06 V	174	22.00	30.30
3	*2437.00	103.2 PK			1.02 V	201	72.80	30.40
4	*2437.00	91.0 AV			1.02 V	201	60.60	30.40
5	2483.50	69.5 PK	74.0	-4.5	1.15 V	193	38.90	30.60
6	2483.50	51.6 AV	54.0	-2.4	1.15 V	193	21.00	30.60
7	4874.00	53.4 PK	74.0	-20.6	1.10 V	63	17.20	36.20
8	4874.00	39.2 AV	54.0	-14.8	1.10 V	63	3.00	36.20

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 9	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	95.1 PK			1.15 H	152	64.60	30.50
2	*2452.00	84.2 AV			1.15 H	152	53.70	30.50
3	2483.50	60.0 PK	74.0	-14.0	1.15 H	152	29.40	30.60
4	2483.50	44.3 AV	54.0	-9.7	1.15 H	152	13.70	30.60
5	4904.00	52.0 PK	74.0	-22.0	1.16 H	93	15.70	36.30
6	4904.00	38.1 AV	54.0	-15.9	1.16 H	93	1.80	36.30
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	*2452.00	101.2 PK			1.04 V	152	70.70	30.50
2	*2452.00	89.3 AV			1.04 V	152	58.80	30.50
3	2483.50	68.1 PK	74.0	-5.9	1.01 V	210	37.50	30.60
4	2483.50	51.9 AV	54.0	-2.1	1.01 V	210	21.30	30.60
5	4904.00	51.8 PK	74.0	-22.2	1.10 V	67	15.50	36.30
6	4904.00	38.0 AV	54.0	-16.0	1.10 V	67	1.70	36.30

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.

802.11n (40MHz): 2TX

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 3	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	60.8 PK	74.0	-13.2	1.04 H	169	30.50	30.30
2	2390.00	43.9 AV	54.0	-10.1	1.04 H	169	13.60	30.30
3	*2422.00	95.2 PK			1.04 H	169	64.80	30.40
4	*2422.00	83.9 AV			1.04 H	169	53.50	30.40
5	4844.00	51.6 PK	74.0	-22.4	1.04 H	26	15.40	36.20
6	4844.00	37.9 AV	54.0	-16.1	1.04 H	26	1.70	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	67.1 PK	74.0	-6.9	1.02 V	159	36.80	30.30
2	**2390.00**	**52.9 AV**	**54.0**	**-1.1**	**1.02 V**	**159**	**22.60**	**30.30**
3	*2422.00	104.5 PK			1.02 V	159	74.10	30.40
4	*2422.00	91.4 AV			1.02 V	159	61.00	30.40
5	4844.00	51.4 PK	74.0	-22.6	1.05 V	211	15.20	36.20
6	4844.00	37.5 AV	54.0	-16.5	1.05 V	211	1.30	36.20

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

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	61.2 PK	74.0	-12.8	1.05 H	171	30.90	30.30
2	2390.00	44.3 AV	54.0	-9.7	1.05 H	171	14.00	30.30
3	*2437.00	96.9 PK			1.05 H	171	66.50	30.40
4	*2437.00	85.6 AV			1.05 H	171	55.20	30.40
5	2483.50	61.5 PK	74.0	-12.5	1.05 H	171	30.90	30.60
6	2483.50	44.8 AV	54.0	-9.2	1.05 H	171	14.20	30.60
7	4874.00	52.1 PK	74.0	-21.9	1.05 H	34	15.90	36.20
8	4874.00	38.4 AV	54.0	-15.6	1.05 H	34	2.20	36.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	69.9 PK	74.0	-4.1	1.02 V	160	39.60	30.30
2	2390.00	52.7 AV	54.0	-1.3	1.02 V	160	22.40	30.30
3	*2437.00	106.6 PK			1.00 V	149	76.20	30.40
4	*2437.00	93.1 AV			1.00 V	149	62.70	30.40
5	2483.50	68.8 PK	74.0	-5.2	1.00 V	149	38.20	30.60
6	2483.50	52.8 AV	54.0	-1.2	1.00 V	149	22.20	30.60
7	4874.00	52.6 PK	74.0	-21.4	1.13 V	84	16.40	36.20
8	4874.00	38.5 AV	54.0	-15.5	1.13 V	84	2.30	36.20

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

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

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

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 9	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1018 hPa	TESTED BY	Brad Wu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	95.4 PK			1.05 H	165	64.90	30.50
2	*2452.00	84.2 AV			1.05 H	165	53.70	30.50
3	2483.50	61.1 PK	74.0	-12.9	1.05 H	165	30.50	30.60
4	2483.50	44.3 AV	54.0	-9.7	1.05 H	165	13.70	30.60
5	4904.00	51.9 PK	74.0	-22.1	1.08 H	76	15.60	36.30
6	4904.00	38.2 AV	54.0	-15.8	1.08 H	76	1.90	36.30
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	*2452.00	104.8 PK			1.00 V	149	74.30	30.50
2	*2452.00	91.6 AV			1.00 V	149	61.10	30.50
3	2483.50	70.1 PK	74.0	-3.9	1.00 V	149	39.50	30.60
4	**2483.50**	**52.9 AV**	**54.0**	**-1.1**	**1.00 V**	**149**	**22.30**	**30.60**
5	4904.00	52.0 PK	74.0	-22.0	1.03 V	24	15.70	36.30
6	4904.00	38.1 AV	54.0	-15.9	1.03 V	24	1.80	36.30

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.

BELOW 1GHz WORST-CASE DATA：

802.11g: 1TX (Ant 0)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 61%RH 1016 hPa	TESTED BY	Chad Lee

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	249.60	39.5 QP	46.0	-6.5	1.00 H	88	26.50	13.00
2	374.04	32.5 QP	46.0	-13.5	1.00 H	214	15.70	16.80
3	500.42	38.7 QP	46.0	-7.3	1.50 H	202	18.40	20.30
4	624.85	35.8 QP	46.0	-10.2	1.00 H	145	12.90	22.90
5	751.23	41.3 QP	46.0	-4.7	1.00 H	148	16.60	24.70
6	875.67	41.9 QP	46.0	-4.1	1.00 H	157	15.30	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	57.12	34.5 QP	40.0	-5.5	1.00 V	10	20.90	13.60
2	249.60	38.6 QP	46.0	-7.4	1.00 V	241	25.60	13.00
3	436.26	40.0 QP	46.0	-6.0	1.50 V	223	21.50	18.50
4	624.85	37.1 QP	46.0	-8.9	1.00 V	265	14.20	22.90
5	751.23	36.1 QP	46.0	-9.9	1.50 V	184	11.40	24.70
6	875.67	41.3 QP	46.0	-4.7	1.00 V	229	14.70	26.60

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 61%RH 1016 hPa	TESTED BY	Chad Lee

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	92.12	32.7 QP	43.5	-10.8	2.00 H	40	23.70	9.00
2	249.60	39.2 QP	46.0	-6.8	1.00 H	91	26.20	13.00
3	500.42	38.0 QP	46.0	-8.0	1.50 H	199	17.70	20.30
4	624.85	36.5 QP	46.0	-9.5	1.00 H	148	13.60	22.90
5	751.23	41.3 QP	46.0	-4.7	1.00 H	154	16.60	24.70
6	875.67	42.2 QP	46.0	-3.8	1.00 H	175	15.60	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	57.12	34.2 QP	40.0	-5.8	1.00 V	10	20.60	13.60
2	136.84	36.5 QP	43.5	-7.0	1.00 V	298	22.60	13.90
3	249.60	38.6 QP	46.0	-7.4	1.00 V	259	25.60	13.00
4	500.42	37.5 QP	46.0	-8.5	1.00 V	94	17.20	20.30
5	624.85	37.2 QP	46.0	-8.8	1.00 V	253	14.30	22.90
6	875.67	42.5 QP	46.0	-3.5	1.00 V	232	15.90	26.60

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 61%RH 1016 hPa	TESTED BY	Chad Lee

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	249.60	38.9 QP	46.0	-7.1	1.00 H	94	25.90	13.00
2	374.04	32.7 QP	46.0	-13.3	1.00 H	202	15.90	16.80
3	500.42	38.7 QP	46.0	-7.3	1.50 H	202	18.40	20.30
4	624.85	35.0 QP	46.0	-11.0	1.50 H	148	12.10	22.90
5	751.23	41.6 QP	46.0	-4.4	1.00 H	148	16.90	24.70
6	875.67	41.6 QP	46.0	-4.4	1.00 H	160	15.00	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	33.79	34.0 QP	40.0	-6.0	1.50 V	223	21.60	12.40
2	68.79	31.3 QP	40.0	-8.7	1.00 V	136	19.10	12.20
3	249.60	39.6 QP	46.0	-6.4	1.00 V	250	26.60	13.00
4	500.42	37.7 QP	46.0	-8.3	1.00 V	103	17.40	20.30
5	624.85	36.9 QP	46.0	-9.1	1.00 V	262	14.00	22.90
6	875.67	42.8 QP	46.0	-3.2	1.00 V	229	16.20	26.60

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.

802.11g: 1TX (Ant 1)

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 61%RH 1016 hPa	TESTED BY	Chad Lee

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	101.22	29.4 QP	43.5	-14.1	1.75 H	57	19.00	10.40
2	249.42	38.2 QP	46.0	-7.8	1.25 H	97	25.20	13.00
3	374.99	33.2 QP	46.0	-12.8	1.25 H	115	16.40	16.80
4	500.91	39.2 QP	46.0	-6.8	1.75 H	196	18.90	20.30
5	751.23	40.5 QP	46.0	-5.5	1.25 H	35	15.80	24.70
6	875.32	42.2 QP	46.0	-3.8	1.25 H	105	15.60	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	103.45	33.8 QP	43.5	-9.7	1.50 V	32	24.10	9.70
2	249.90	38.2 QP	46.0	-7.8	1.25 V	102	25.60	12.60
3	436.08	39.7 QP	46.0	-6.3	1.00 V	53	22.00	17.70
4	500.71	38.5 QP	46.0	-7.5	1.25 V	102	19.30	19.20
5	624.09	37.9 QP	46.0	-8.1	1.25 V	118	16.20	21.70
6	875.67	41.7 QP	46.0	-4.3	1.25 V	47	16.60	25.10

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 61%RH 1016 hPa	TESTED BY	Chad Lee

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	249.43	39.7 QP	46.0	-6.3	1.25 H	107	26.70	13.00
2	374.04	34.4 QP	46.0	-11.6	1.25 H	117	17.60	16.80
3	500.69	37.6 QP	46.0	-8.4	1.75 H	157	17.30	20.30
4	624.85	35.8 QP	46.0	-10.2	1.25 H	147	12.90	22.90
5	751.78	40.9 QP	46.0	-5.1	1.25 H	165	16.20	24.70
6	875.92	42.5 QP	46.0	-3.5	1.25 H	47	15.90	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	57.47	35.6 QP	40.0	-4.4	1.25 V	77	22.10	13.50
2	103.99	35.8 QP	43.5	-7.7	1.25 V	107	25.10	10.70
3	500.42	38.5 QP	46.0	-7.5	1.25 V	148	18.20	20.30
4	624.62	38.7 QP	46.0	-7.3	1.25 V	122	15.80	22.90
5	751.23	35.9 QP	46.0	-10.1	1.25 V	58	11.20	24.70
6	875.67	42.2 QP	46.0	-3.8	1.25 V	205	15.60	26.60

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 61%RH 1016 hPa	TESTED BY	Chad Lee

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	249.22	39.2 QP	46.0	-6.8	1.75 H	155	26.20	13.00
2	374.91	35.2 QP	46.0	-10.8	1.25 H	155	18.40	16.80
3	500.22	39.2 QP	46.0	-6.8	1.25 H	152	18.90	20.30
4	624.85	34.6 QP	46.0	-11.4	1.75 H	107	11.70	22.90
5	751.23	41.8 QP	46.0	-4.2	1.25 H	152	17.10	24.70
6	875.12	41.7 QP	46.0	-4.3	1.25 H	88	15.10	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	33.22	35.8 QP	40.0	-4.2	1.75 V	253	23.30	12.50
2	103.12	34.9 QP	43.5	-8.6	1.00 V	105	24.30	10.60
3	249.47	40.2 QP	46.0	-5.8	1.25 V	135	27.20	13.00
4	500.03	37.5 QP	46.0	-8.5	1.25 V	52	17.20	20.30
5	751.23	37.2 QP	46.0	-8.8	1.00 V	105	12.50	24.70
6	875.67	42.6 QP	46.0	-3.4	1.25 V	235	16.00	26.60

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.

802.11n (20MHz): 2TX

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 61%RH 1016 hPa	TESTED BY	Chad Lee

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	68.79	23.4 QP	40.0	-16.6	1.50 H	31	11.20	12.20
2	193.22	27.1 QP	43.5	-16.4	1.00 H	79	15.90	11.20
3	249.60	33.5 QP	46.0	-12.5	1.00 H	223	20.50	13.00
4	640.41	35.1 QP	46.0	-10.9	1.00 H	172	11.90	23.20
5	751.23	31.9 QP	46.0	-14.1	1.00 H	55	7.20	24.70
6	875.67	38.7 QP	46.0	-7.3	1.00 H	64	12.10	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	53.23	32.7 QP	40.0	-7.3	1.00 V	331	18.60	14.10
2	64.90	30.8 QP	40.0	-9.2	1.00 V	244	18.20	12.60
3	101.84	31.5 QP	43.5	-12.0	1.00 V	55	21.00	10.50
4	249.60	33.3 QP	46.0	-12.7	1.00 V	247	20.30	13.00
5	751.23	33.7 QP	46.0	-12.3	1.50 V	142	9.00	24.70
6	875.67	41.7 QP	46.0	-4.3	1.00 V	46	15.10	26.60

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 6	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 61%RH 1016 hPa	TESTED BY	Chad Lee

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	68.79	23.5 QP	40.0	-16.5	1.00 H	172	11.30	12.20
2	249.60	32.9 QP	46.0	-13.1	1.00 H	211	19.90	13.00
3	640.41	34.3 QP	46.0	-11.7	1.00 H	184	11.10	23.20
4	751.23	32.8 QP	46.0	-13.2	1.00 H	52	8.10	24.70
5	790.12	30.0 QP	46.0	-16.0	1.00 H	319	4.80	25.20
6	875.67	38.3 QP	46.0	-7.7	1.50 H	202	11.70	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	33.79	33.2 QP	40.0	-6.8	1.00 V	220	20.80	12.40
2	101.84	30.9 QP	43.5	-12.6	1.00 V	67	20.40	10.50
3	249.60	32.7 QP	46.0	-13.3	1.00 V	229	19.70	13.00
4	640.41	29.7 QP	46.0	-16.3	1.00 V	82	6.50	23.20
5	751.23	32.4 QP	46.0	-13.6	1.00 V	154	7.70	24.70
6	875.67	41.7 QP	46.0	-4.3	1.00 V	40	15.10	26.60

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.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 11	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	22deg. C, 61%RH 1016 hPa	TESTED BY	Chad Lee

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	62.95	24.6 QP	40.0	-15.4	1.00 H	10	11.70	12.90
2	249.60	33.1 QP	46.0	-12.9	1.00 H	265	20.10	13.00
3	500.42	33.3 QP	46.0	-12.7	1.50 H	184	13.00	20.30
4	640.41	35.1 QP	46.0	-10.9	1.00 H	184	11.90	23.20
5	751.23	43.3 QP	46.0	-2.7	1.00 H	133	18.60	24.70
6	875.67	44.0 QP	46.0	-2.0	1.00 H	166	17.40	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	57.12	33.9 QP	40.0	-6.1	1.50 V	292	20.30	13.60
2	249.60	35.0 QP	46.0	-11.0	1.00 V	109	22.00	13.00
3	500.42	38.0 QP	46.0	-8.0	1.00 V	178	17.70	20.30
4	624.85	36.2 QP	46.0	-9.8	1.00 V	82	13.30	22.90
5	751.23	39.1 QP	46.0	-6.9	1.50 V	64	14.40	24.70
6	875.67	41.9 QP	46.0	-4.1	1.00 V	157	15.30	26.60

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.

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	ESH3-Z5	100311	Jul. 08, 2010	Jul. 07, 2011
V-LISN SCHWARZBECK	NNBL 8226-2	8226-142	Jul. 12, 2010	Jul. 11, 2011
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.

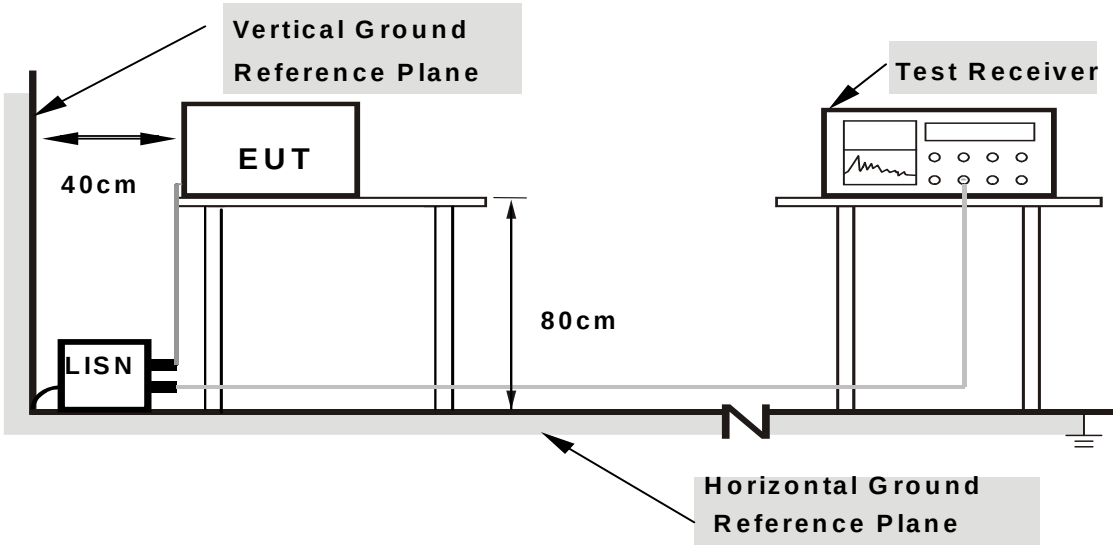
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

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 related item – Photographs of the Test Configuration.

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6.

4.2.7 TEST RESULTS

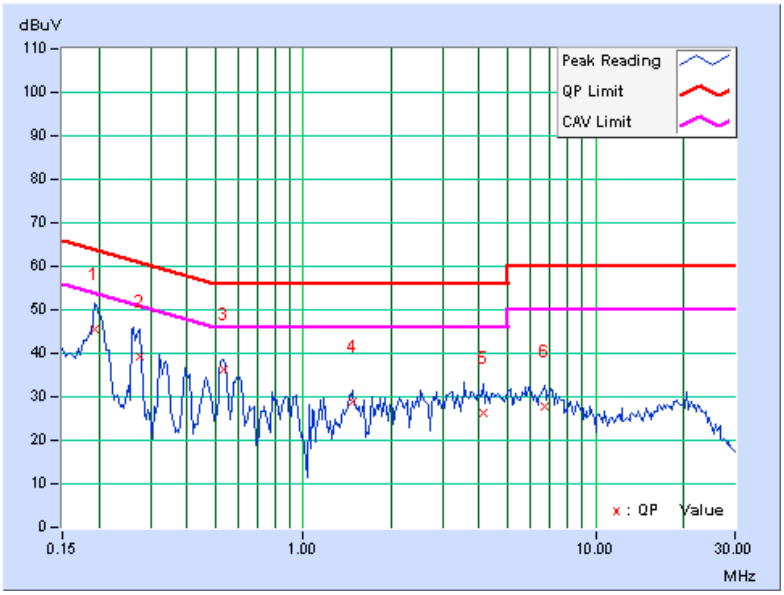
CONDUCTED WORST-CASE DATA：

802.11g: 1TX (Ant 0)

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 1		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	0.15	45.44	-	45.59	-	63.91	53.91	-18.32	-
2	0.275	0.16	39.02	-	39.18	-	60.97	50.97	-21.79	-
3	0.533	0.17	36.22	-	36.39	-	56.00	46.00	-19.61	-
4	1.473	0.20	28.63	-	28.83	-	56.00	46.00	-27.17	-
5	4.117	0.32	25.87	-	26.19	-	56.00	46.00	-29.81	-
6	6.707	0.43	27.29	-	27.72	-	60.00	50.00	-32.28	-

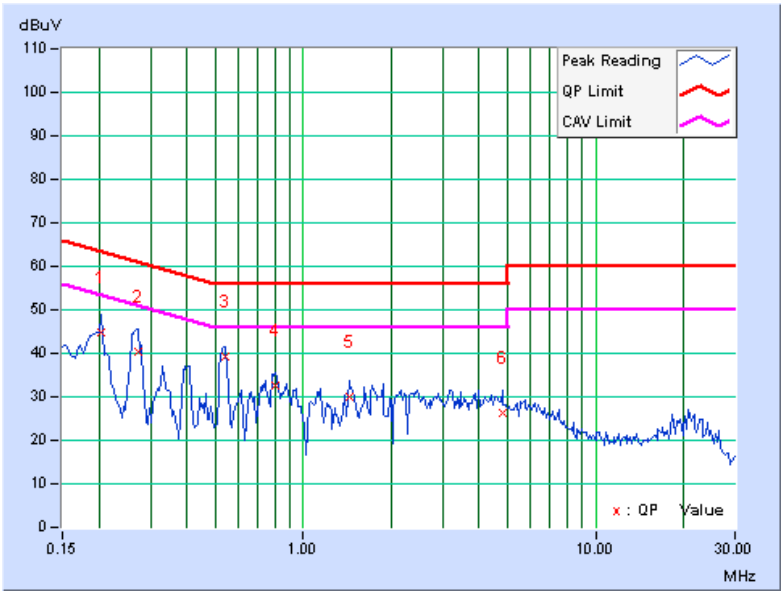
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 1		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.205	0.17	44.76	-	44.93	-	63.42	53.42	-18.49	-
2	0.271	0.18	40.17	-	40.35	-	61.08	51.08	-20.74	-
3	0.541	0.19	39.00	-	39.19	-	56.00	46.00	-16.81	-
4	0.806	0.20	32.38	-	32.58	-	56.00	46.00	-23.42	-
5	1.434	0.22	29.83	-	30.05	-	56.00	46.00	-25.95	-
6	4.789	0.34	25.82	-	26.16	-	56.00	46.00	-29.84	-

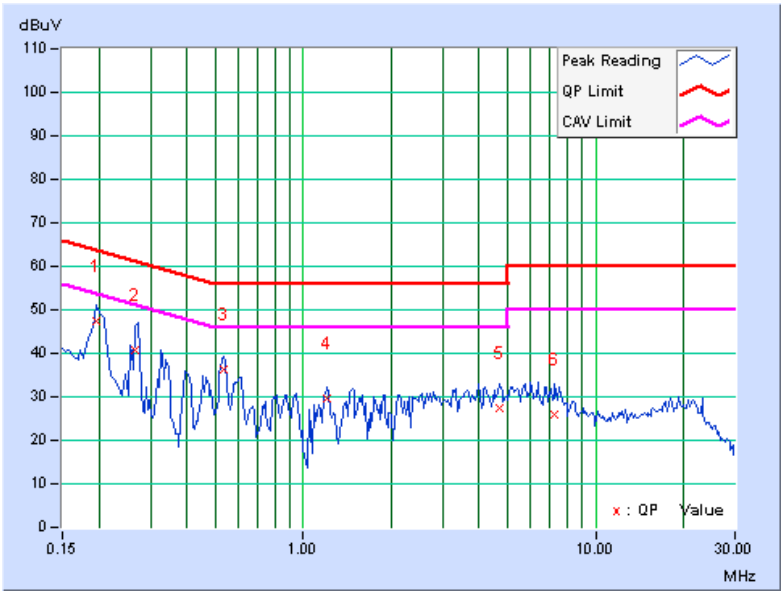
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 6		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	0.15	47.37	-	47.52	-	63.74	53.74	-16.22	-
2	0.267	0.16	40.74	-	40.90	-	61.20	51.20	-20.31	-
3	0.533	0.17	36.22	-	36.39	-	56.00	46.00	-19.61	-
4	1.211	0.20	29.30	-	29.50	-	56.00	46.00	-26.50	-
5	4.672	0.35	27.10	-	27.45	-	56.00	46.00	-28.55	-
6	7.273	0.45	25.42	-	25.87	-	60.00	50.00	-34.13	-

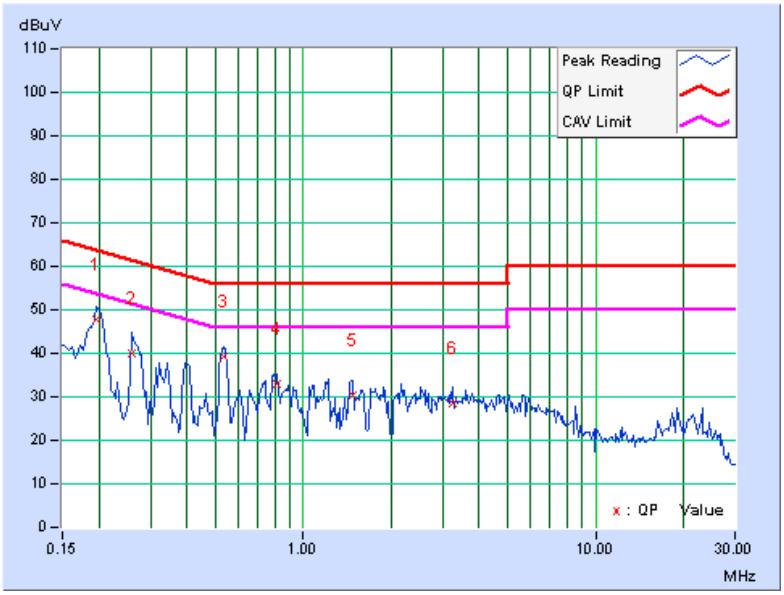
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 6		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	0.17	47.47	-	47.64	-	63.74	53.74	-16.10	-
2	0.259	0.18	39.66	-	39.84	-	61.45	51.45	-21.62	-
3	0.537	0.19	39.05	-	39.24	-	56.00	46.00	-16.76	-
4	0.810	0.20	32.61	-	32.81	-	56.00	46.00	-23.19	-
5	1.473	0.22	30.21	-	30.43	-	56.00	46.00	-25.57	-
6	3.238	0.29	28.27	-	28.56	-	56.00	46.00	-27.44	-

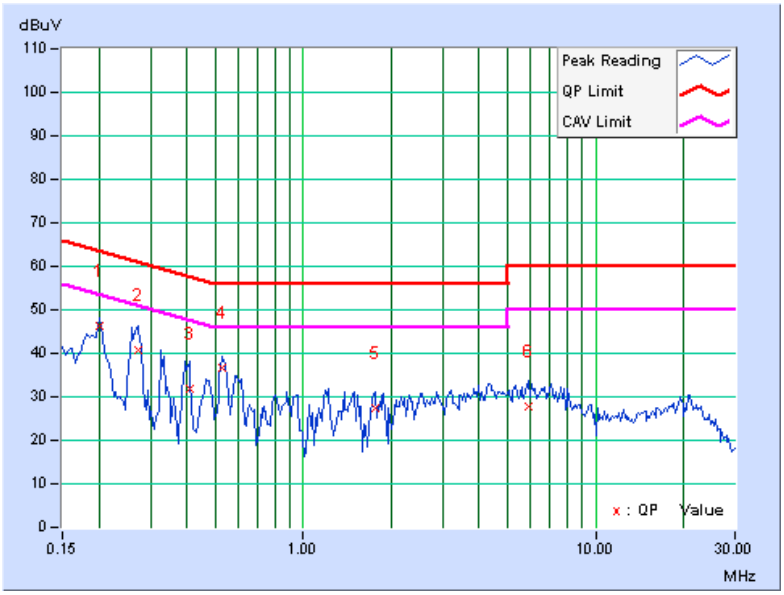
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 11		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.201	0.15	46.09	-	46.24	-	63.58	53.58	-17.34	-
2	0.271	0.16	40.59	-	40.75	-	61.08	51.08	-20.34	-
3	0.408	0.17	31.72	-	31.89	-	57.69	47.69	-25.80	-
4	0.525	0.17	36.41	-	36.58	-	56.00	46.00	-19.42	-
5	1.754	0.21	27.27	-	27.48	-	56.00	46.00	-28.52	-
6	5.922	0.40	27.33	-	27.73	-	60.00	50.00	-32.27	-

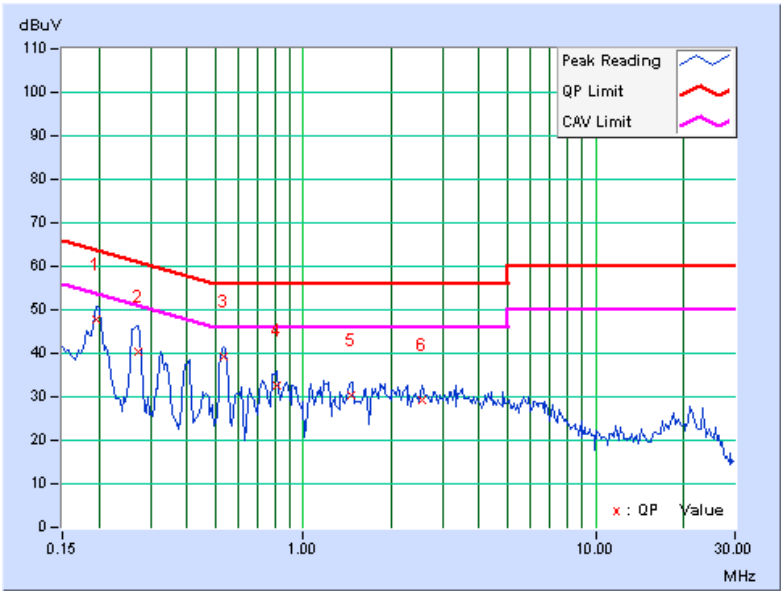
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 11		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	0.17	47.53	-	47.70	-	63.74	53.74	-16.04	-
2	0.271	0.18	40.19	-	40.37	-	61.08	51.08	-20.72	-
3	0.533	0.19	39.25	-	39.44	-	56.00	46.00	-16.56	-
4	0.814	0.20	32.46	-	32.66	-	56.00	46.00	-23.34	-
5	1.457	0.22	30.25	-	30.47	-	56.00	46.00	-25.53	-
6	2.563	0.26	29.01	-	29.27	-	56.00	46.00	-26.73	-

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

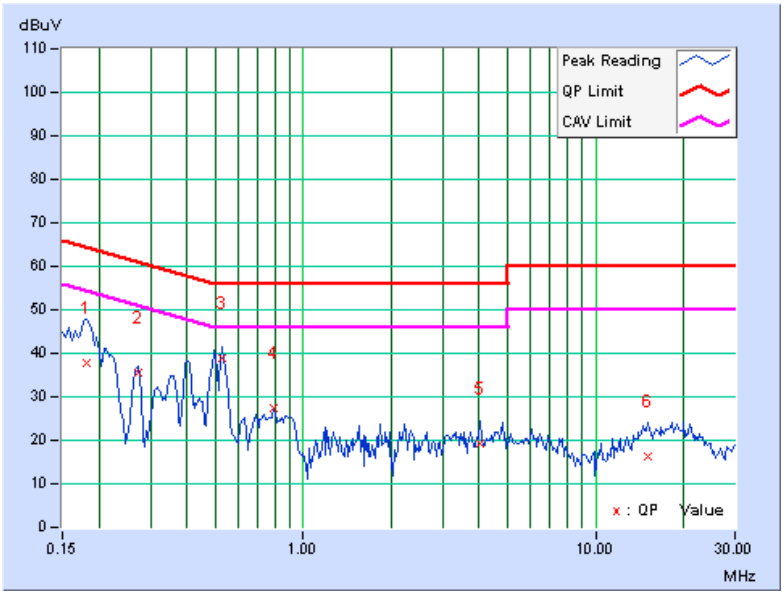


802.11g: 1TX (Ant 1)

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 1		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.15	37.48	-	37.63	-	64.43	54.43	-26.80	-
2	0.271	0.16	35.46	-	35.62	-	61.08	51.08	-25.47	-
3	0.525	0.17	38.71	-	38.88	-	56.00	46.00	-17.12	-
4	0.795	0.18	27.13	-	27.31	-	56.00	46.00	-28.69	-
5	4.051	0.32	19.06	-	19.38	-	56.00	46.00	-36.62	-
6	15.145	0.88	15.58	-	16.46	-	60.00	50.00	-43.54	-

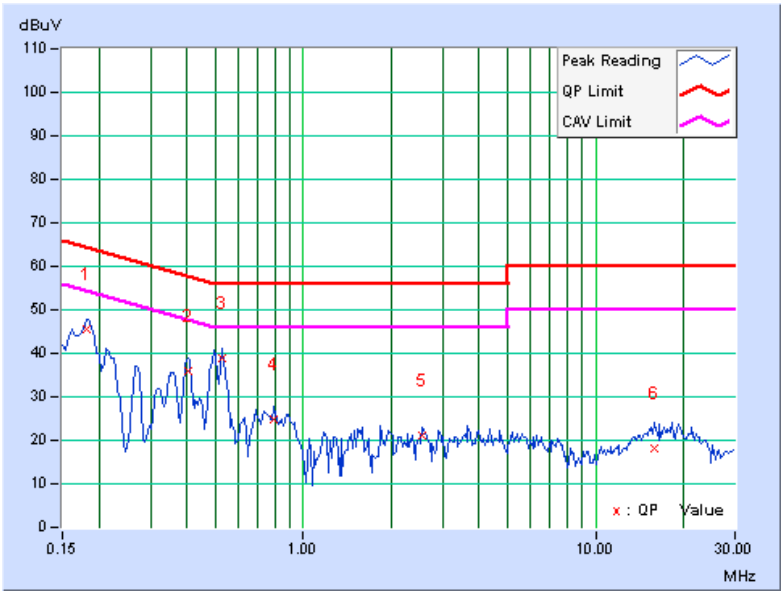
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 1		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.16	45.30	-	45.46	-	64.43	54.43	-18.96	-
2	0.404	0.19	35.80	-	35.99	-	57.77	47.77	-21.78	-
3	0.525	0.19	38.77	-	38.96	-	56.00	46.00	-17.04	-
4	0.791	0.20	24.60	-	24.80	-	56.00	46.00	-31.20	-
5	2.555	0.25	20.79	-	21.04	-	56.00	46.00	-34.96	-
6	15.863	0.76	17.49	-	18.25	-	60.00	50.00	-41.75	-

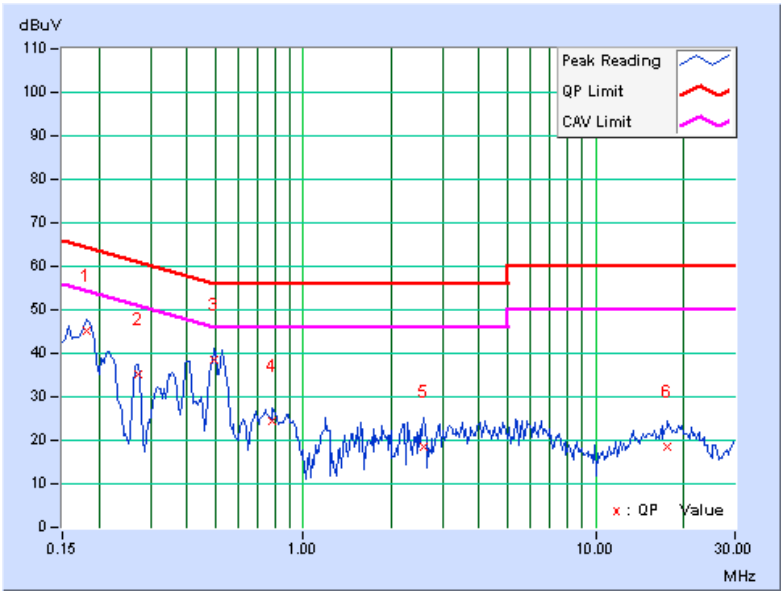
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 6		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.15	45.16	-	45.31	-	64.43	54.43	-19.12	-
2	0.271	0.16	34.86	-	35.02	-	61.08	51.08	-26.07	-
3	0.498	0.17	38.19	-	38.36	-	56.04	46.04	-17.68	-
4	0.787	0.18	24.12	-	24.30	-	56.00	46.00	-31.70	-
5	2.570	0.25	18.31	-	18.56	-	56.00	46.00	-37.44	-
6	17.664	1.01	17.49	-	18.50	-	60.00	50.00	-41.50	-

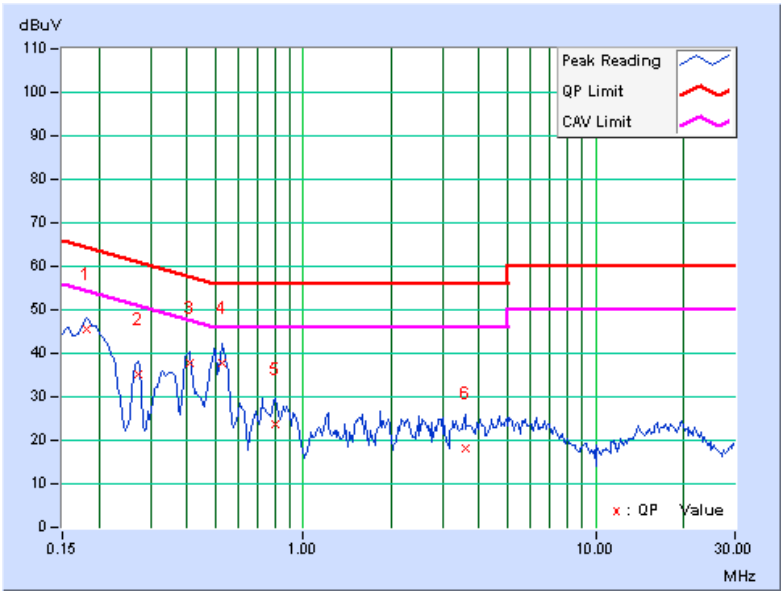
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 6		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.16	45.22	-	45.38	-	64.43	54.43	-19.04	-
2	0.271	0.18	34.94	-	35.12	-	61.08	51.08	-25.97	-
3	0.408	0.19	37.44	-	37.63	-	57.69	47.69	-20.06	-
4	0.529	0.19	37.76	-	37.95	-	56.00	46.00	-18.05	-
5	0.798	0.20	23.53	-	23.73	-	56.00	46.00	-32.27	-
6	3.574	0.30	17.95	-	18.25	-	56.00	46.00	-37.75	-

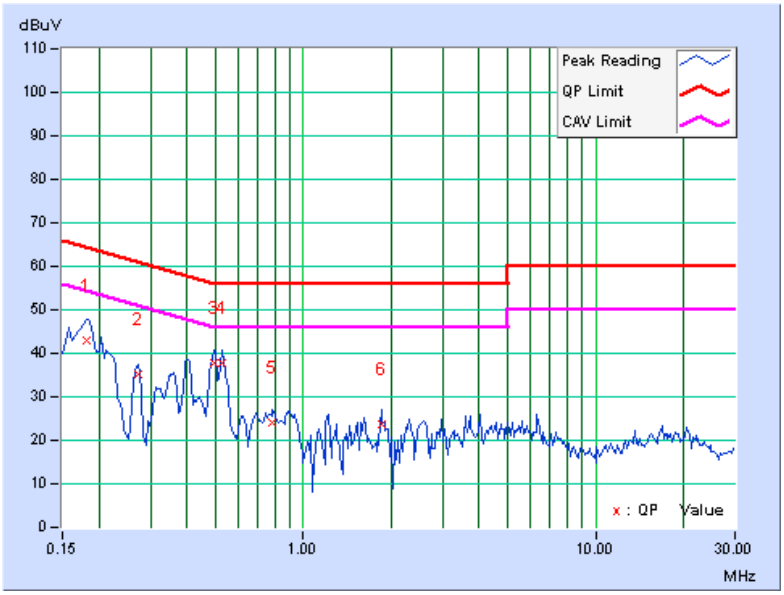
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 11		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.15	42.87	-	43.02	-	64.43	54.43	-21.41	-
2	0.271	0.16	34.98	-	35.14	-	61.08	51.08	-25.95	-
3	0.494	0.17	37.73	-	37.90	-	56.10	46.10	-18.20	-
4	0.525	0.17	37.58	-	37.75	-	56.00	46.00	-18.25	-
5	0.787	0.18	23.91	-	24.09	-	56.00	46.00	-31.91	-
6	1.855	0.22	23.49	-	23.71	-	56.00	46.00	-32.29	-

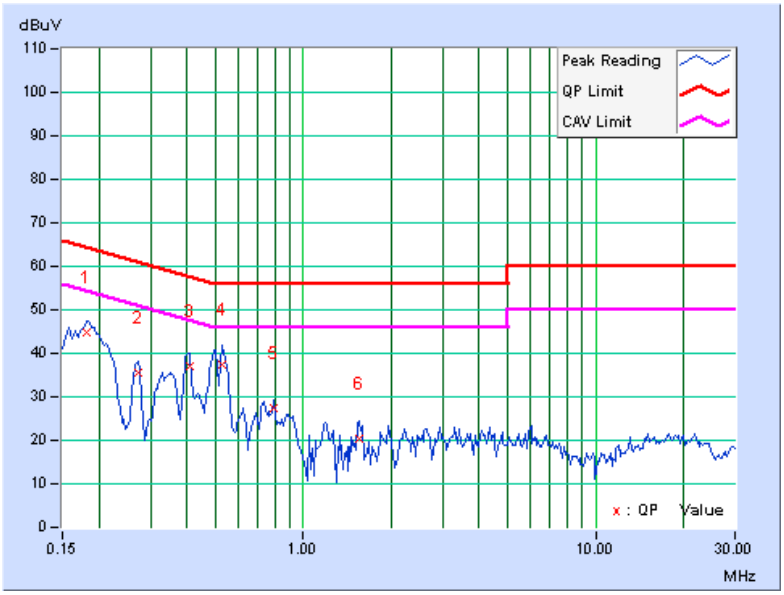
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 11		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.181	0.16	44.80	-	44.96	-	64.43	54.43	-19.46	-
2	0.271	0.18	35.38	-	35.56	-	61.08	51.08	-25.53	-
3	0.408	0.19	36.83	-	37.02	-	57.69	47.69	-20.67	-
4	0.525	0.19	37.24	-	37.43	-	56.00	46.00	-18.57	-
5	0.791	0.20	27.03	-	27.23	-	56.00	46.00	-28.77	-
6	1.555	0.22	20.17	-	20.39	-	56.00	46.00	-35.61	-

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.

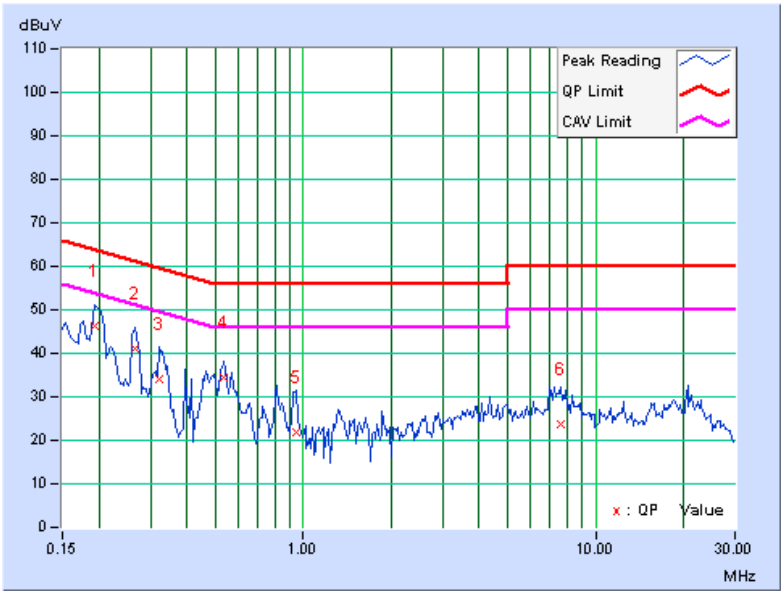


802.11n (20MHz): 2TX

PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 1		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	0.15	46.03	-	46.18	-	63.91	53.91	-17.73	-
2	0.267	0.16	41.08	-	41.24	-	61.20	51.20	-19.97	-
3	0.322	0.16	34.05	-	34.21	-	59.66	49.66	-25.45	-
4	0.537	0.17	34.21	-	34.38	-	56.00	46.00	-21.62	-
5	0.951	0.19	21.82	-	22.01	-	56.00	46.00	-33.99	-
6	7.648	0.47	23.12	-	23.59	-	60.00	50.00	-36.41	-

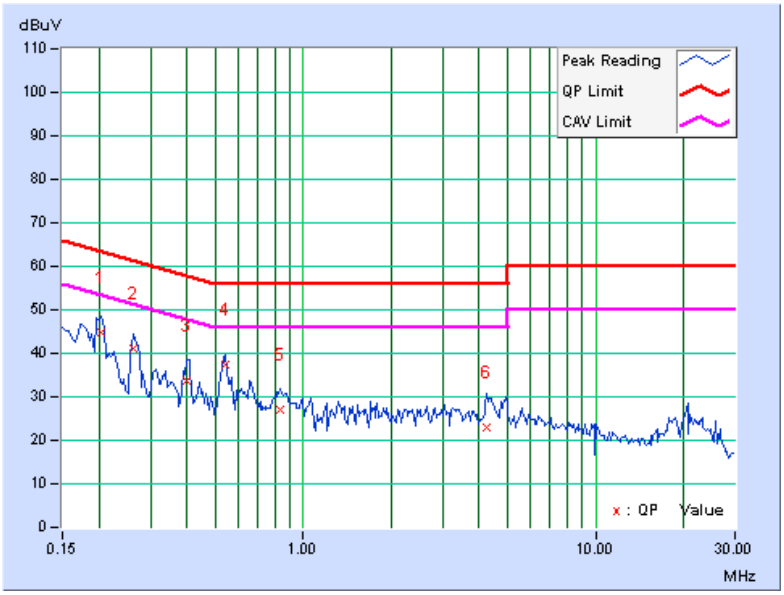
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 1		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.205	0.17	44.53	-	44.70	-	63.42	53.42	-18.72	-
2	0.263	0.18	40.79	-	40.97	-	61.33	51.33	-20.36	-
3	0.400	0.19	33.49	-	33.68	-	57.85	47.85	-24.17	-
4	0.541	0.19	37.31	-	37.50	-	56.00	46.00	-18.50	-
5	0.830	0.20	26.89	-	27.09	-	56.00	46.00	-28.91	-
6	4.230	0.33	22.52	-	22.85	-	56.00	46.00	-33.15	-

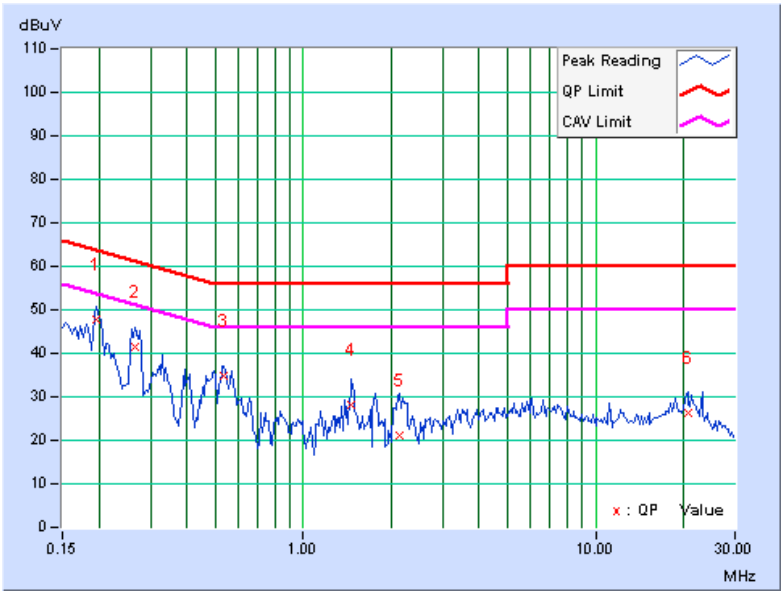
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 6		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	0.15	47.53	-	47.68	-	63.74	53.74	-16.06	-
2	0.267	0.16	41.26	-	41.42	-	61.20	51.20	-19.79	-
3	0.537	0.17	34.70	-	34.87	-	56.00	46.00	-21.13	-
4	1.465	0.20	27.90	-	28.10	-	56.00	46.00	-27.90	-
5	2.148	0.23	20.87	-	21.10	-	56.00	46.00	-34.90	-
6	20.652	1.15	25.28	-	26.43	-	60.00	50.00	-33.57	-

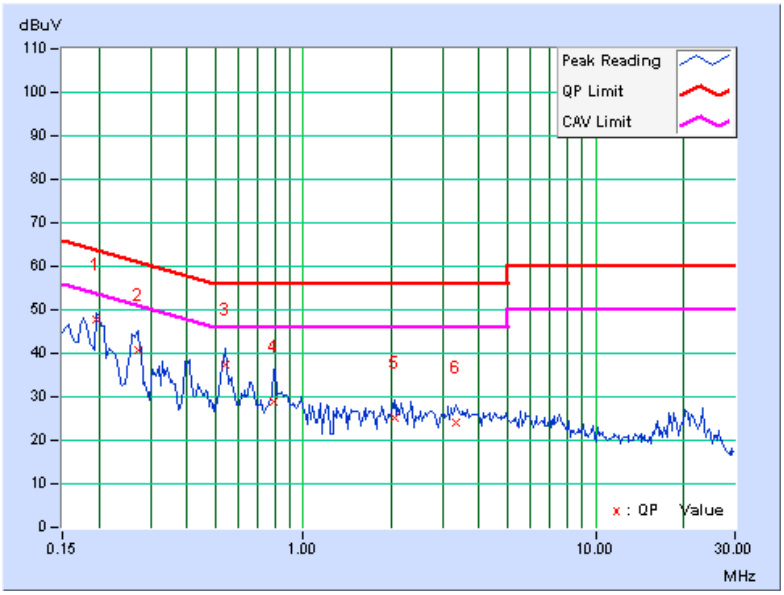
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 6		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.197**	**0.17**	**47.59**	**-**	**47.76**	**-**	**63.74**	**53.74**	**-15.98**	**-**
2	0.271	0.18	40.57	-	40.75	-	61.08	51.08	-20.34	-
3	0.541	0.19	37.39	-	37.58	-	56.00	46.00	-18.42	-
4	0.795	0.20	28.55	-	28.75	-	56.00	46.00	-27.25	-
5	2.051	0.23	25.08	-	25.31	-	56.00	46.00	-30.69	-
6	3.352	0.29	23.73	-	24.02	-	56.00	46.00	-31.98	-

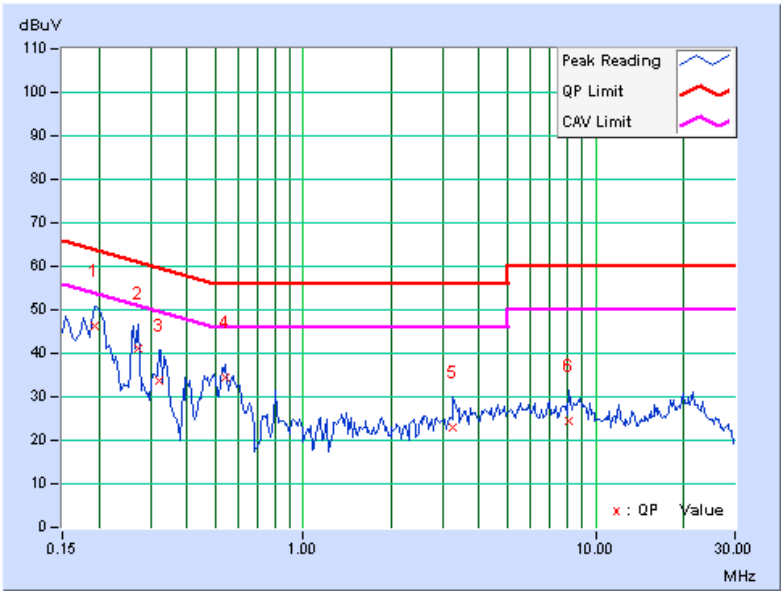
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 1	6dB BANDWIDTH	9kHz
CHANNEL	Channel 11		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	0.15	46.14	-	46.29	-	63.91	53.91	-17.62	-
2	0.271	0.16	41.06	-	41.22	-	61.08	51.08	-19.87	-
3	0.322	0.16	33.70	-	33.86	-	59.66	49.66	-25.80	-
4	0.541	0.17	34.16	-	34.33	-	56.00	46.00	-21.67	-
5	3.262	0.28	22.67	-	22.95	-	56.00	46.00	-33.05	-
6	8.148	0.49	23.81	-	24.30	-	60.00	50.00	-35.70	-

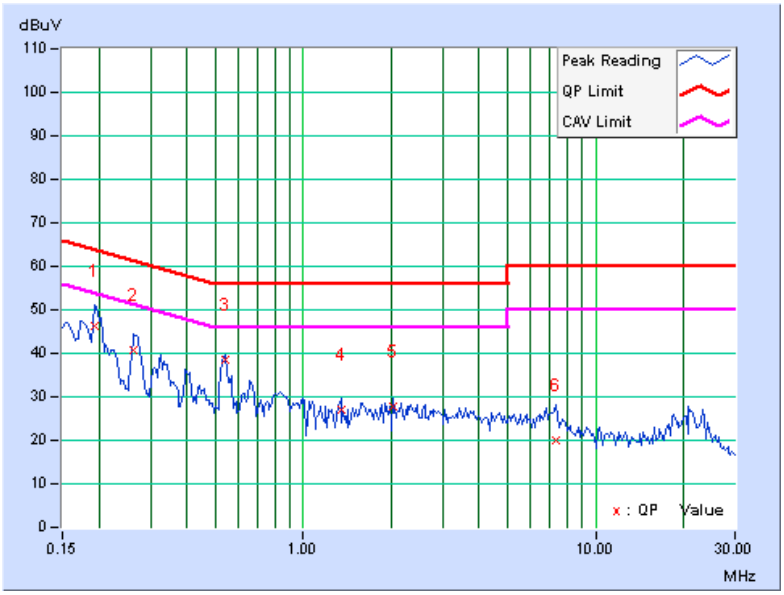
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission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



PHASE	Line 2	6dB BANDWIDTH	9kHz
CHANNEL	Channel 11		

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	0.17	46.17	-	46.34	-	63.91	53.91	-17.57	-
2	0.263	0.18	40.64	-	40.82	-	61.33	51.33	-20.51	-
3	0.541	0.19	38.15	-	38.34	-	56.00	46.00	-17.66	-
4	1.344	0.22	26.94	-	27.16	-	56.00	46.00	-28.84	-
5	2.027	0.23	27.39	-	27.62	-	56.00	46.00	-28.38	-
6	7.285	0.42	19.41	-	19.83	-	60.00	50.00	-40.17	-

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



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	100039	Feb. 23, 2011	Feb. 22, 2012

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

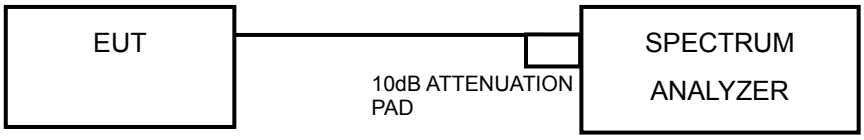
4.3.3 TEST PROCEDURE

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

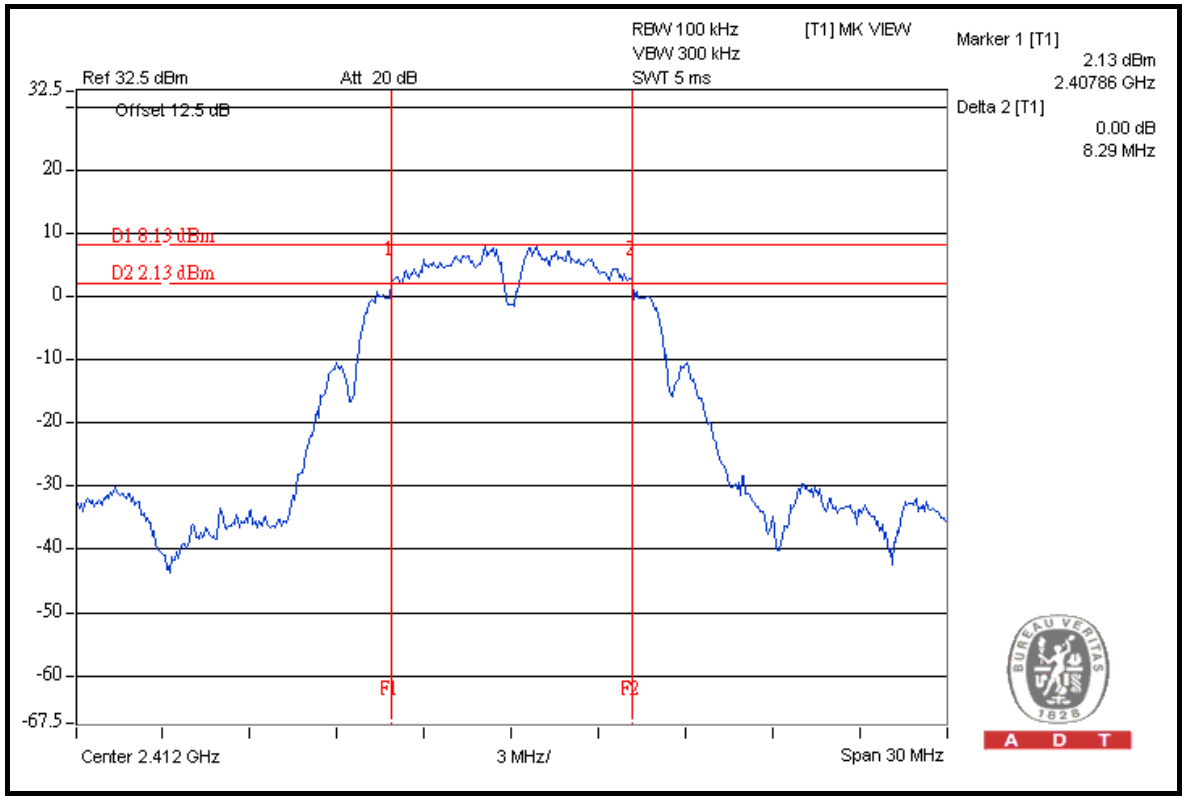
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 TEST RESULTS

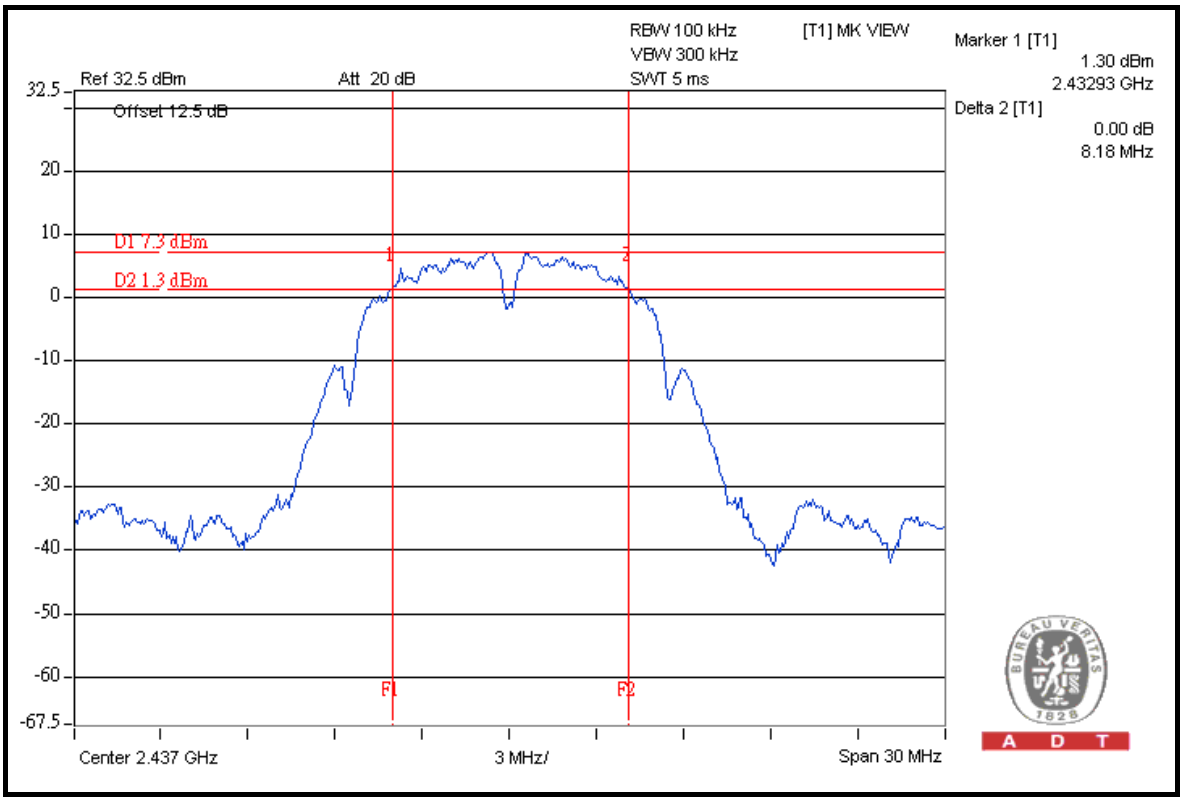
802.11b: 1TX (Ant 0)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	8.29	0.5	PASS
6	2437	8.18	0.5	PASS
11	2462	8.13	0.5	PASS

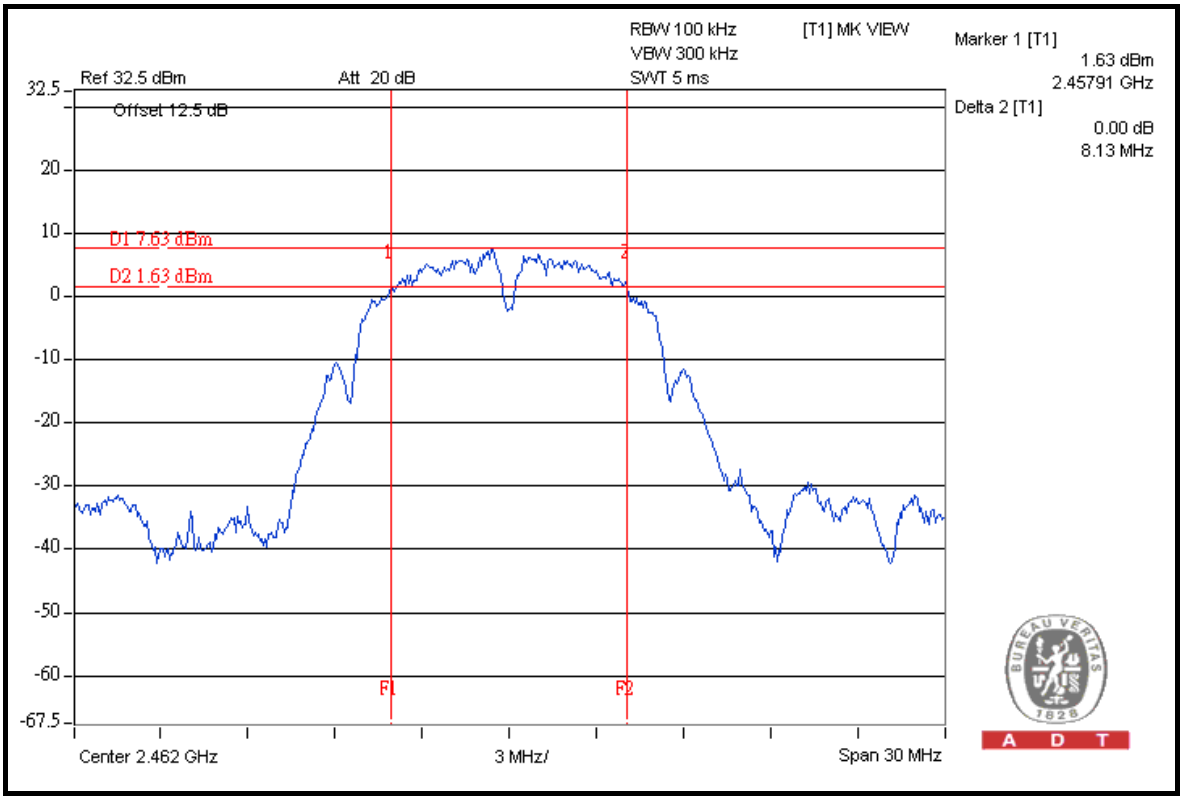
CH 1



CH 6


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
1.30 dBm
2.43293 GHz
Delta 2 [T1]
0.00 dB
8.18 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 7.3 dBm
D2 1.3 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.437 GHz
3 MHz/
Span 30 MHz

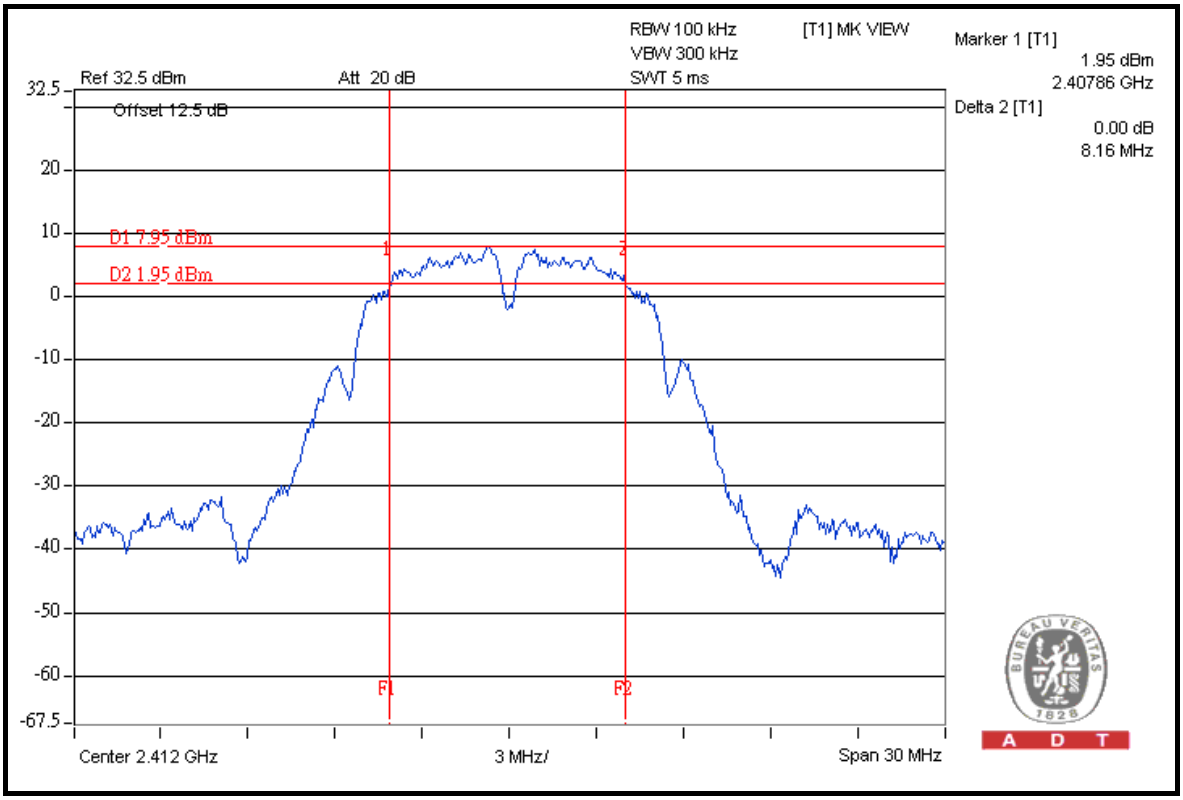
CH 11


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
1.63 dBm
2.45791 GHz
Delta 2 [T1]
0.00 dB
8.13 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 7.63 dBm
D2 1.63 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.462 GHz
3 MHz/
Span 30 MHz

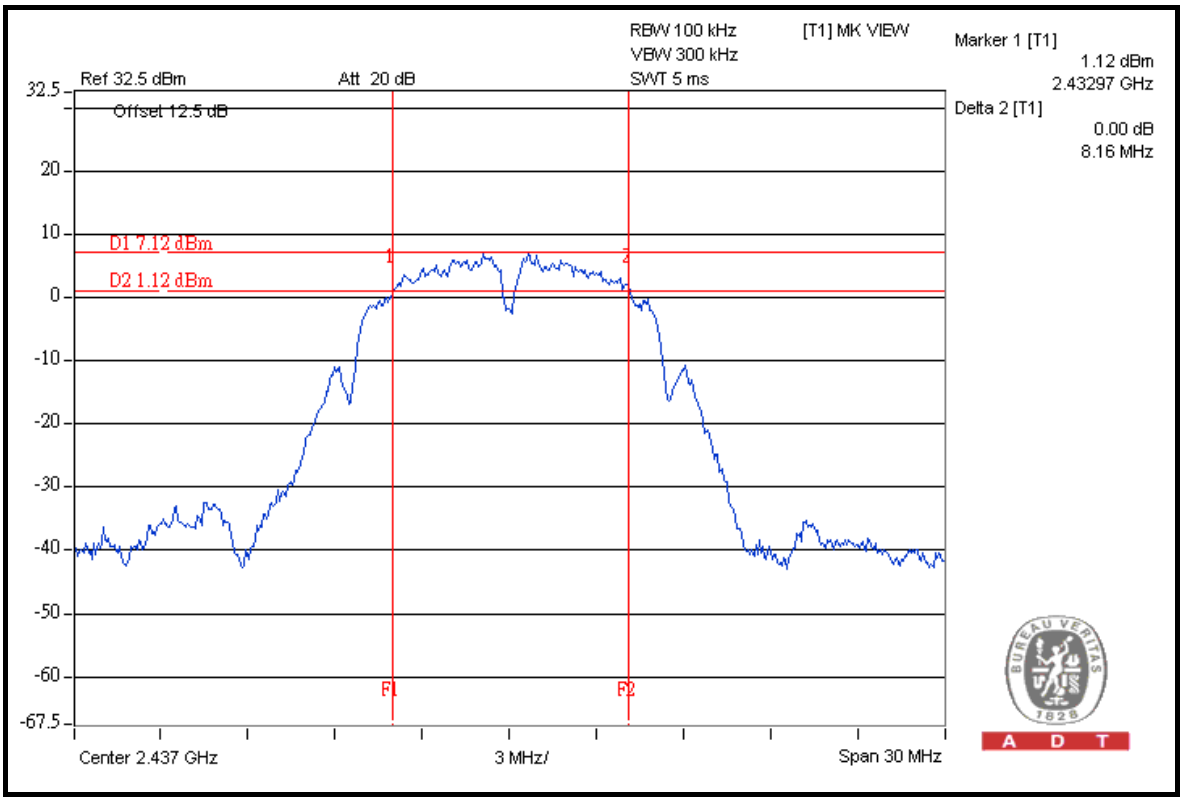
802.11b: 1TX (Ant 1)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	8.16	0.5	PASS
6	2437	8.16	0.5	PASS
11	2462	8.09	0.5	PASS

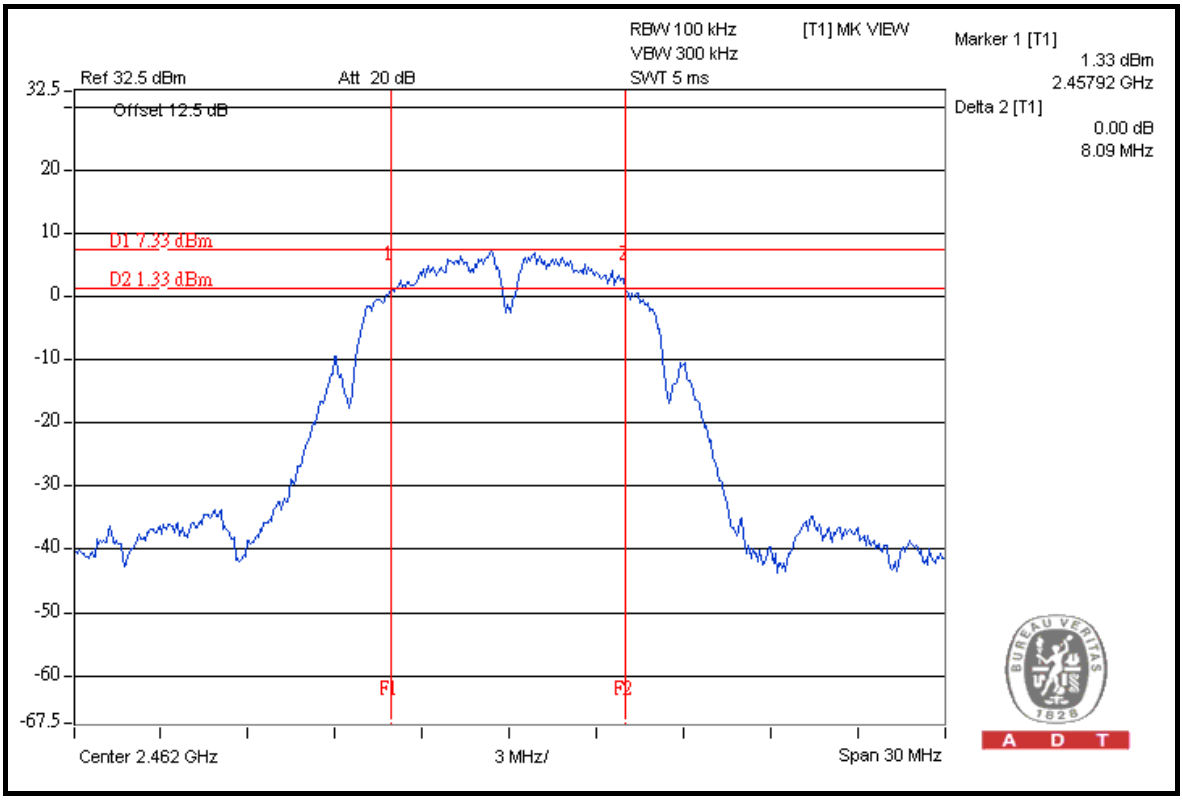
CH 1



CH 6


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
1.12 dBm
2.43297 GHz
Delta 2 [T1]
0.00 dB
8.16 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 7.12 dBm
D2 1.12 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.437 GHz
3 MHz/
Span 30 MHz

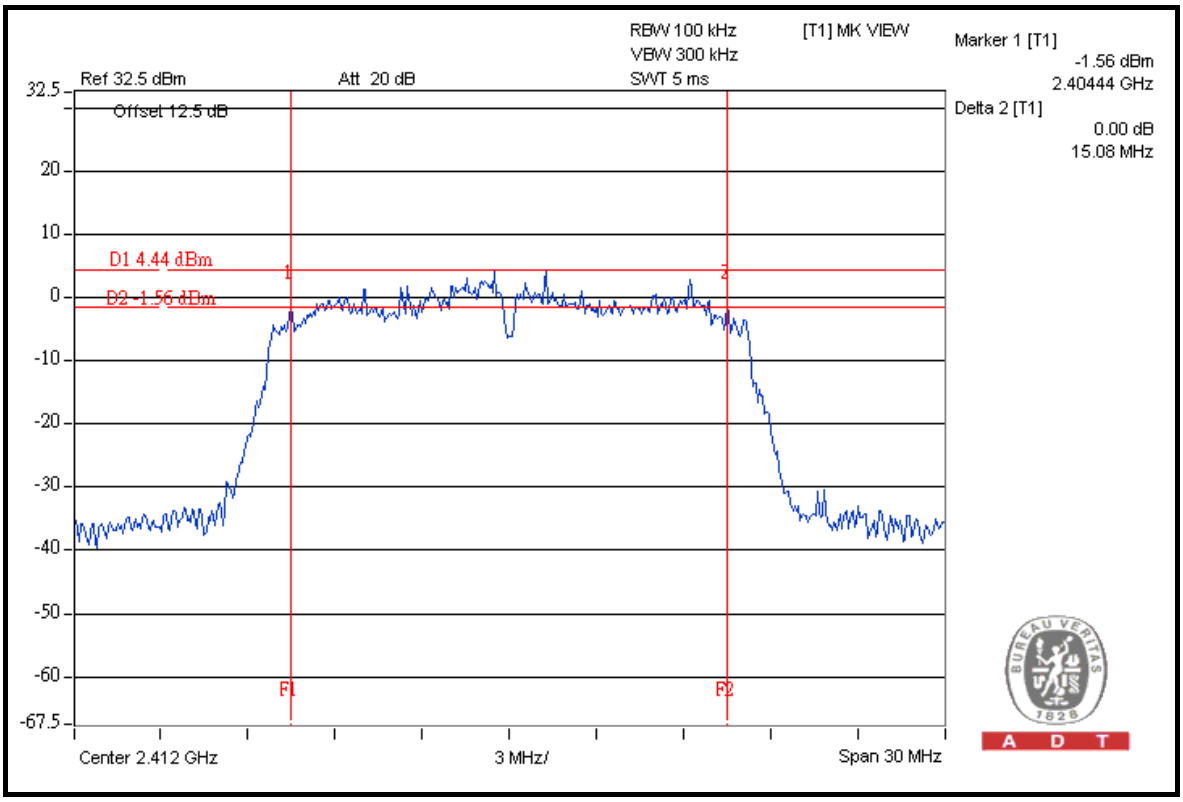
CH 11


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
1.33 dBm
2.45792 GHz
Delta 2 [T1]
0.00 dB
8.09 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 7.33 dBm
D2 1.33 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.462 GHz
3 MHz/
Span 30 MHz

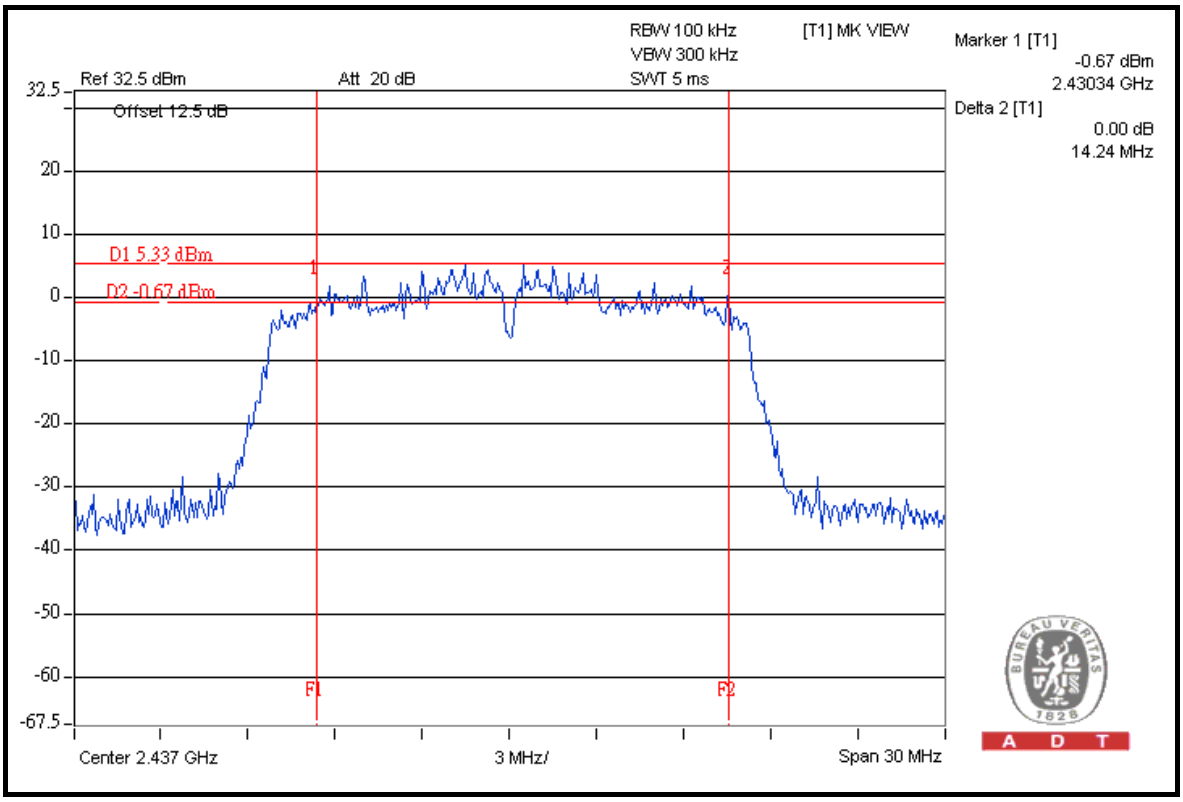
802.11g: 1TX (Ant 0)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	15.08	0.5	PASS
6	2437	14.24	0.5	PASS
11	2462	15.11	0.5	PASS

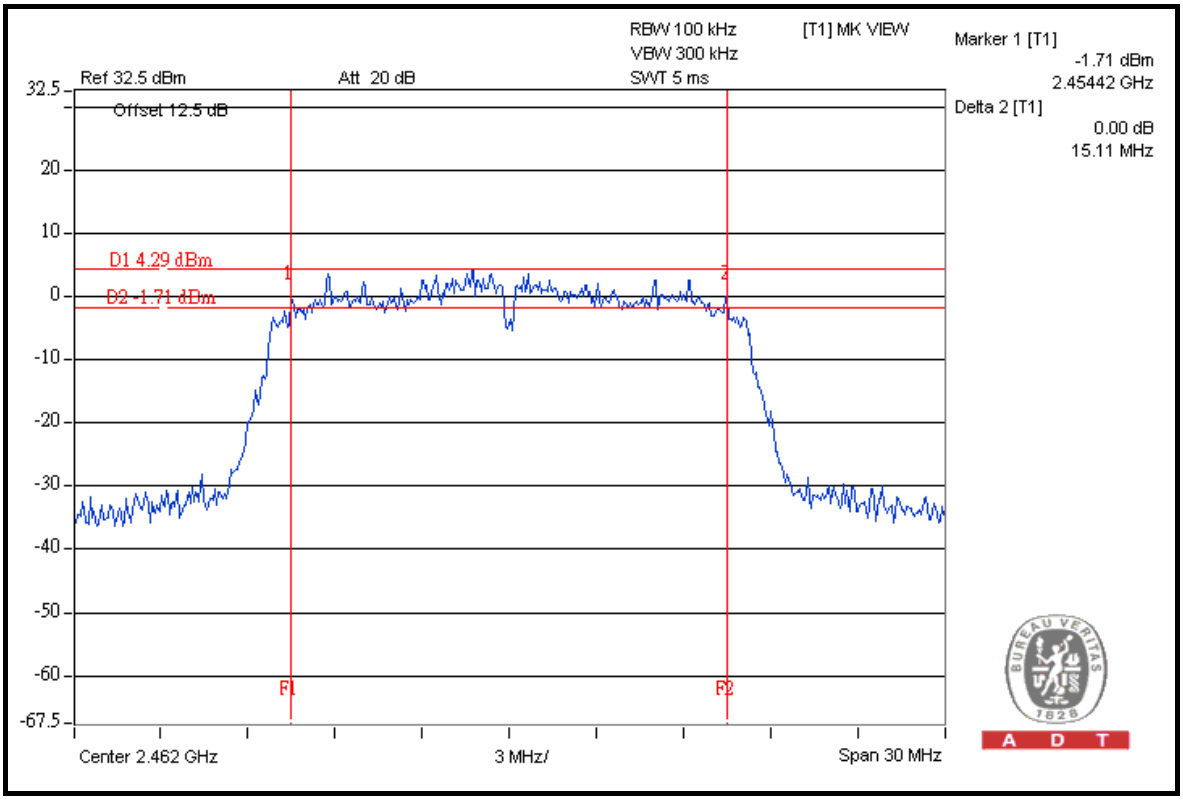
CH 1



CH 6


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
-0.67 dBm
2.43034 GHz
Delta 2 [T1]
0.00 dB
14.24 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 5.33 dBm
D2 -0.67 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.437 GHz
3 MHz/
Span 30 MHz

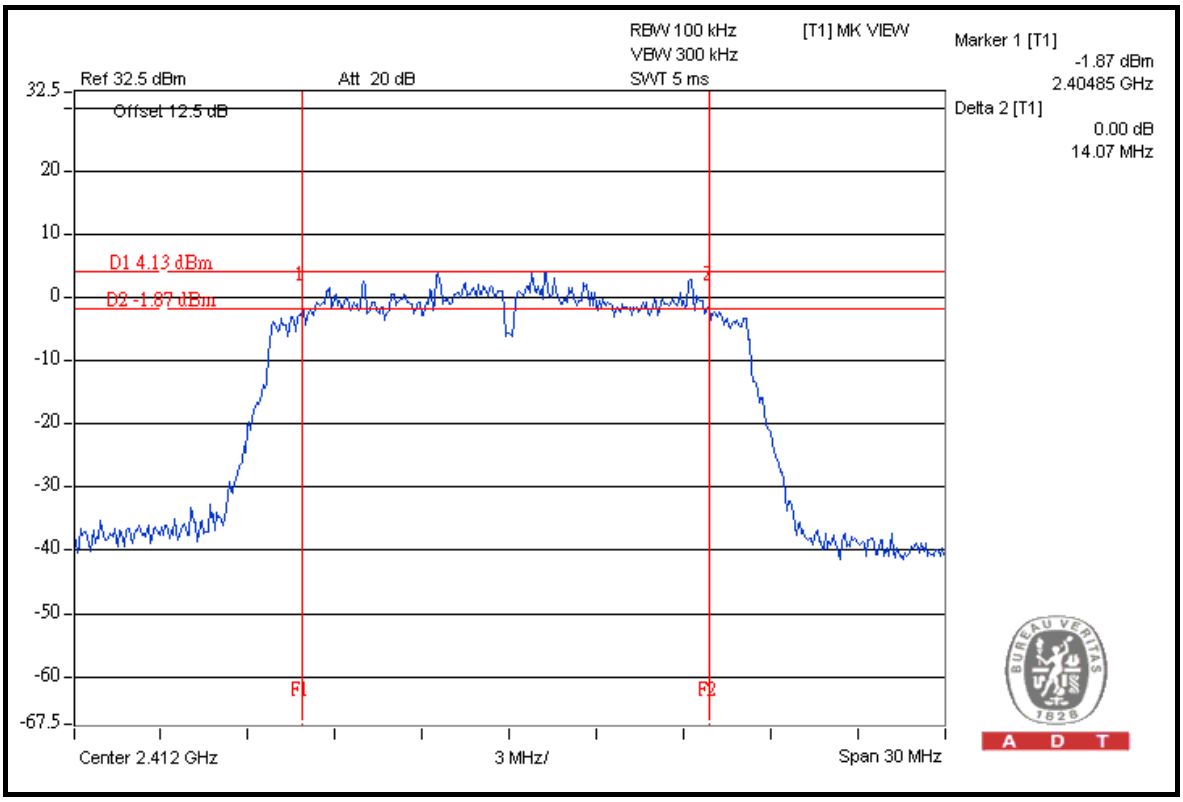
CH 11


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
-1.71 dBm
2.45442 GHz
Delta 2 [T1]
0.00 dB
15.11 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.29 dBm
D2 -1.71 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.462 GHz
3 MHz/
Span 30 MHz

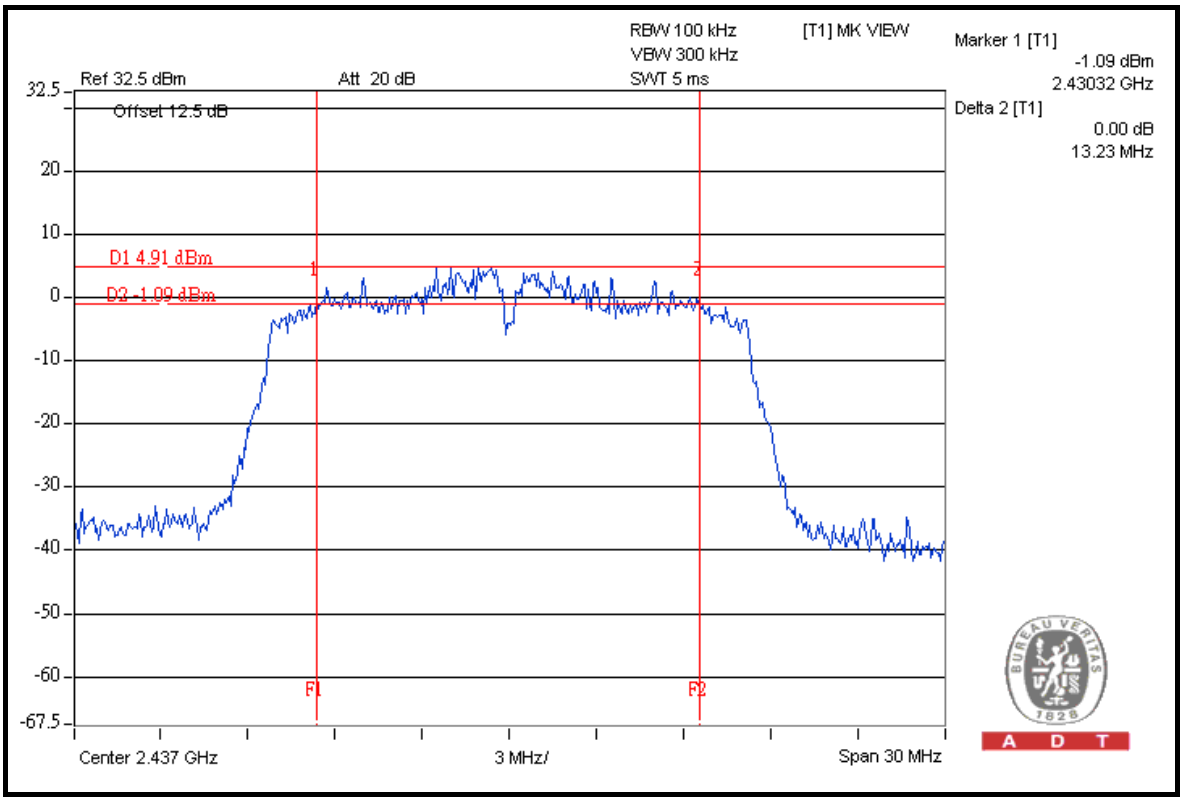
802.11g: 1TX (Ant 1)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	14.07	0.5	PASS
6	2437	13.23	0.5	PASS
11	2462	14.23	0.5	PASS

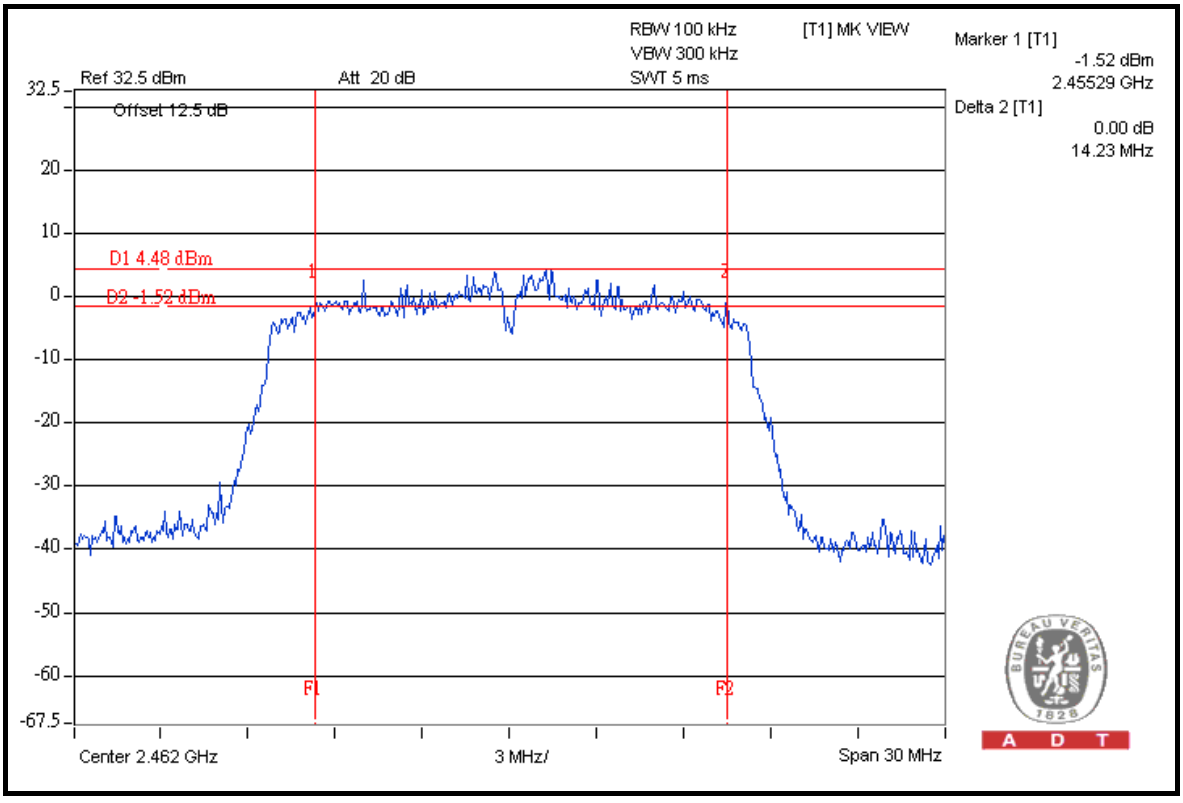
CH 1



CH 6


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
-1.09 dBm
2.43032 GHz
Delta 2 [T1]
0.00 dB
13.23 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.91 dBm
D2 -1.09 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.437 GHz
3 MHz/
Span 30 MHz

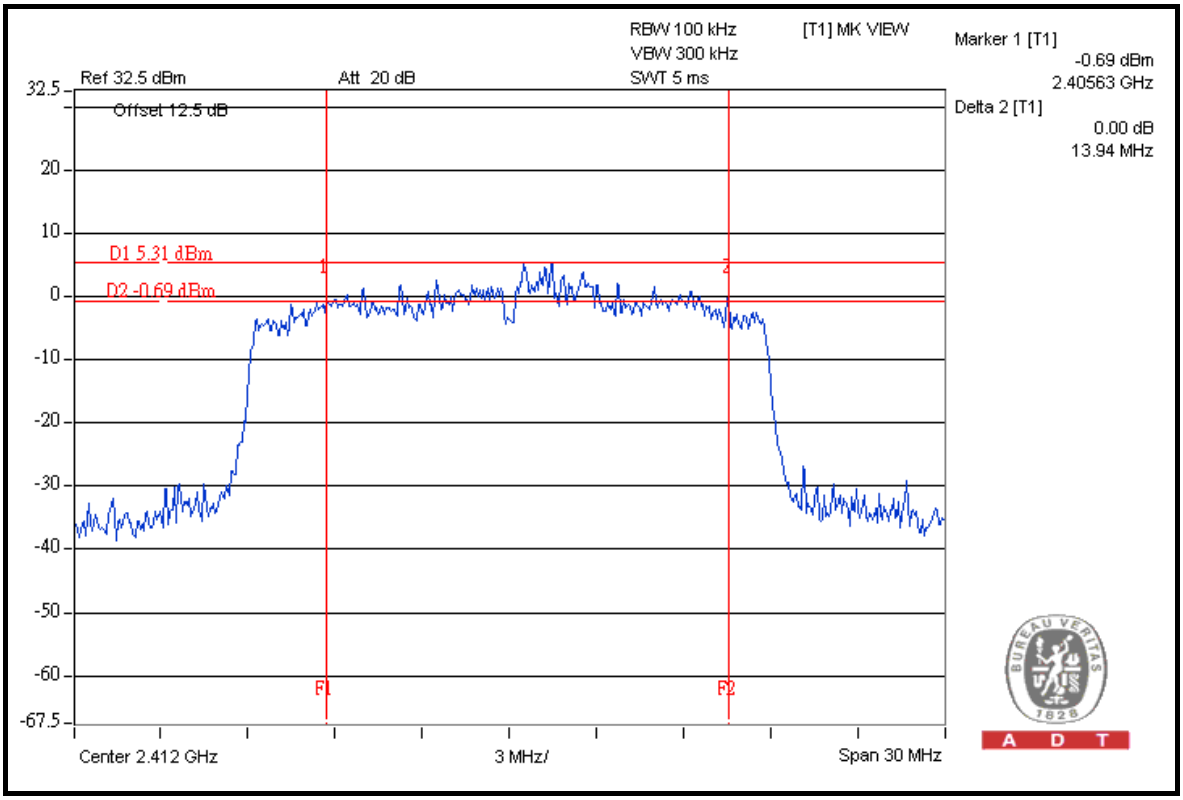
CH 11


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
-1.52 dBm
2.45529 GHz
Delta 2 [T1]
0.00 dB
14.23 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.48 dBm
D2 -1.52 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.462 GHz
3 MHz/
Span 30 MHz

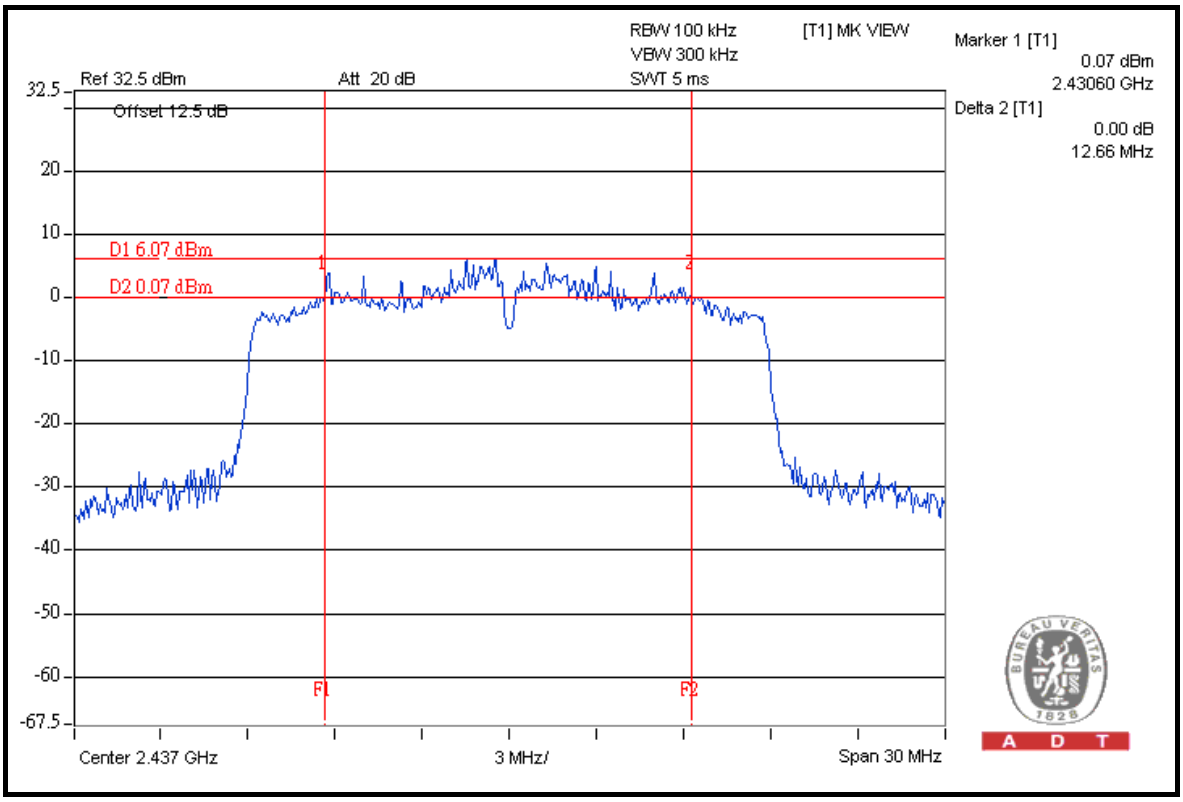
802.11n (20MHz): 1TX (Ant 0)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	13.94	0.5	PASS
6	2437	12.66	0.5	PASS
11	2462	13.92	0.5	PASS

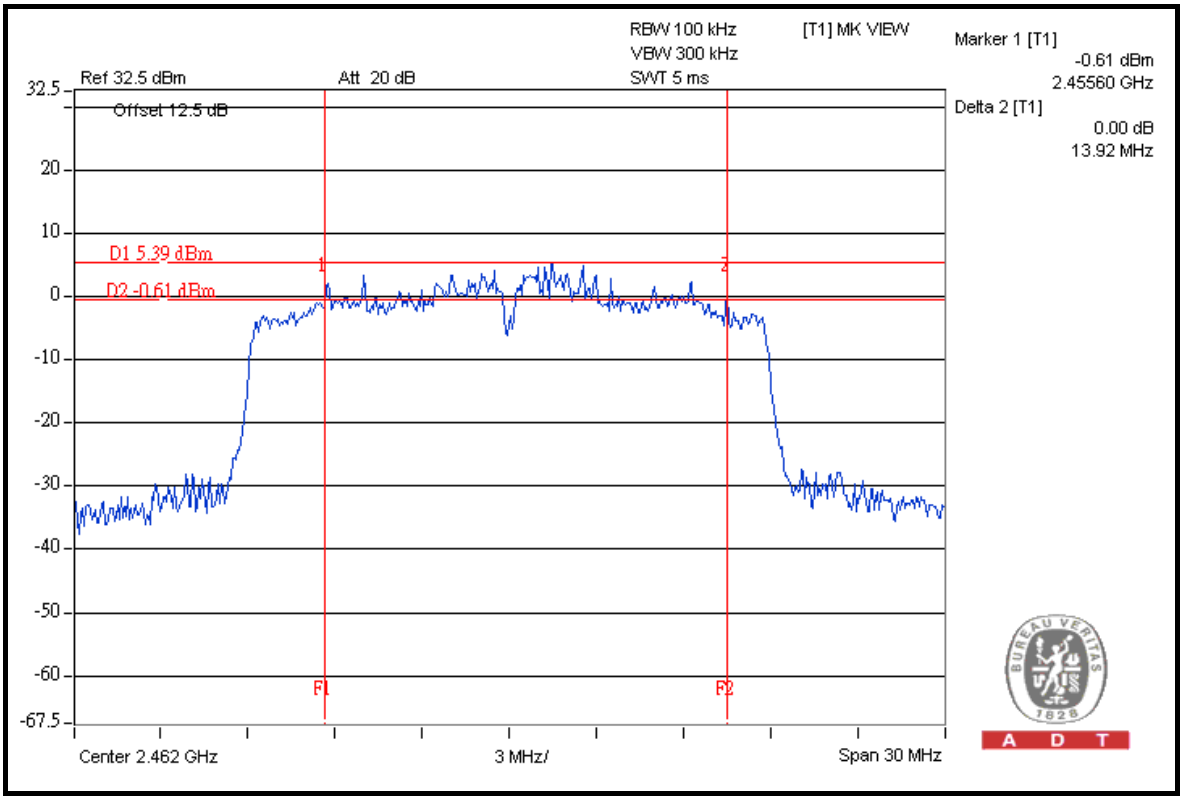
CH 1



CH 6


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
0.07 dBm
2.43060 GHz
Delta 2 [T1]
0.00 dB
12.66 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 6.07 dBm
D2 0.07 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.437 GHz
3 MHz/
Span 30 MHz

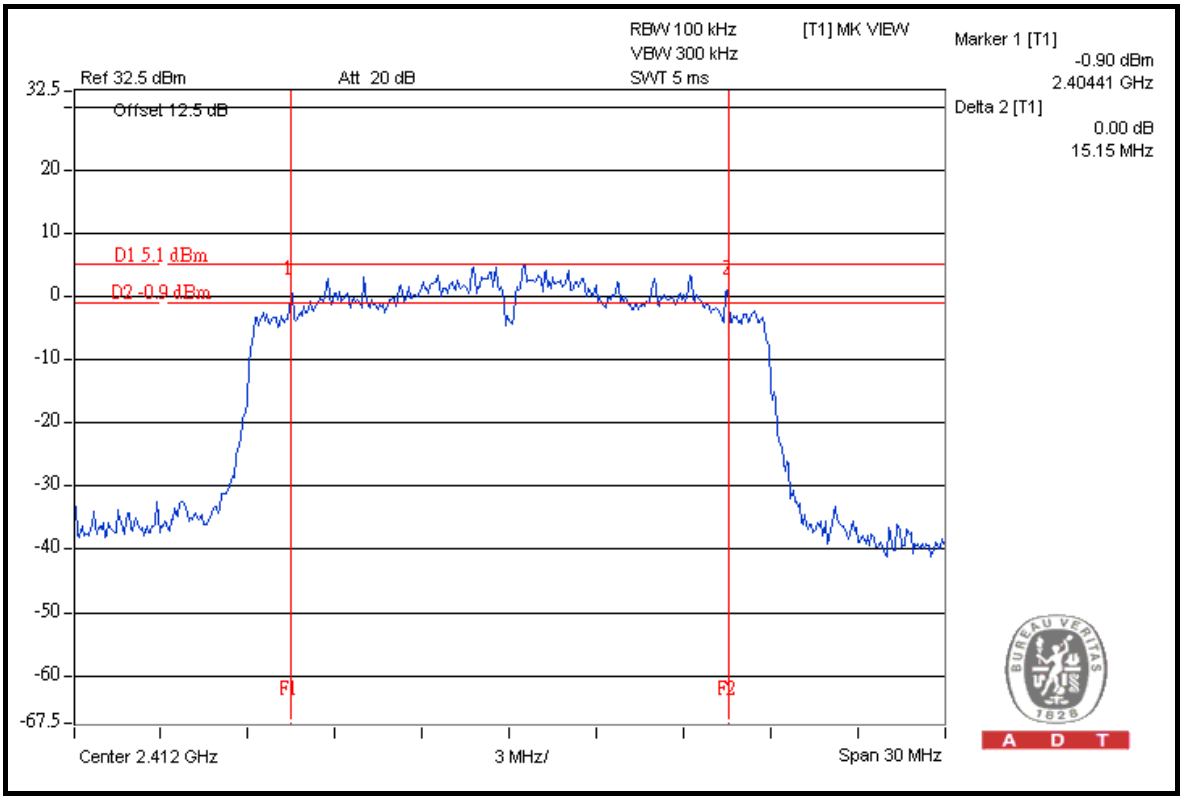
CH 11


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
-0.61 dBm
2.45560 GHz
Delta 2 [T1]
0.00 dB
13.92 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 5.39 dBm
D2 -0.61 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.462 GHz
3 MHz/
Span 30 MHz

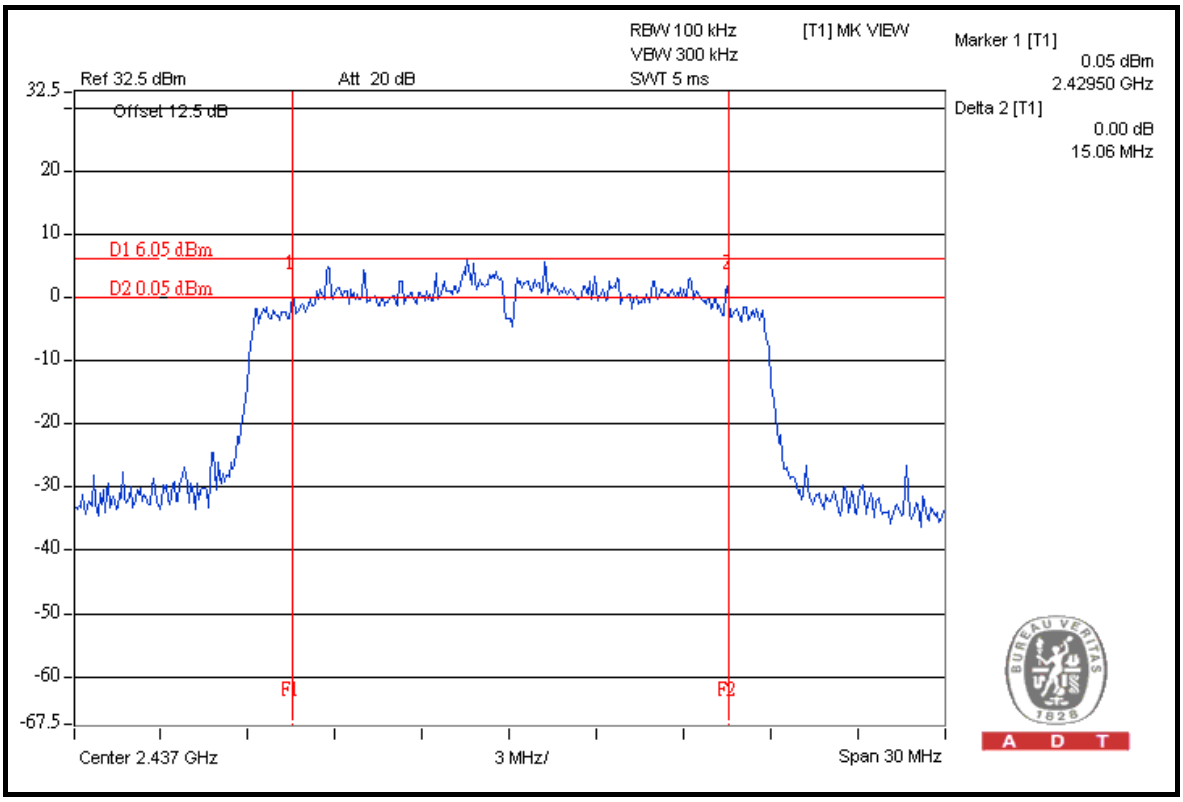
802.11n (20MHz): 1TX (Ant 1)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	15.15	0.5	PASS
6	2437	15.06	0.5	PASS
11	2462	15.13	0.5	PASS

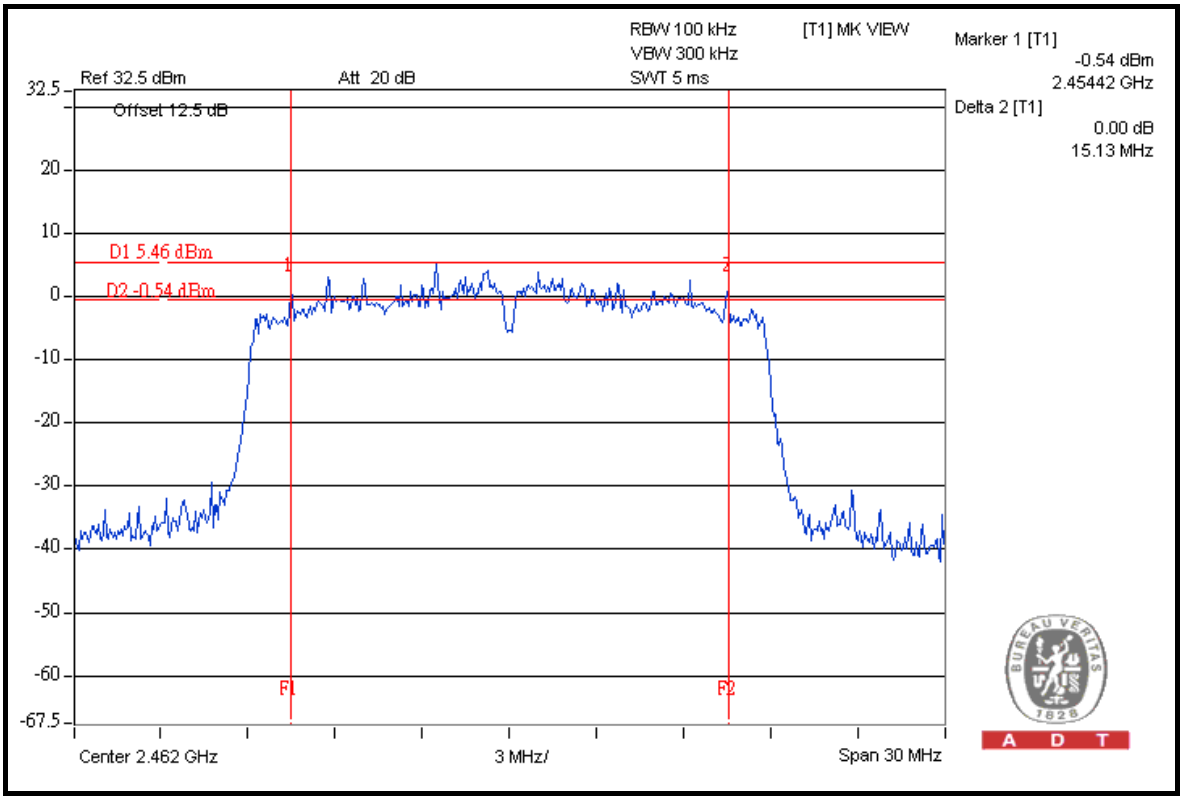
CH 1



CH 6


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
0.05 dBm
2.42950 GHz
Delta 2 [T1]
0.00 dB
15.06 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 6.05 dBm
D2 0.05 dBm
F1
F2
Center 2.437 GHz
3 MHz/
Span 30 MHz

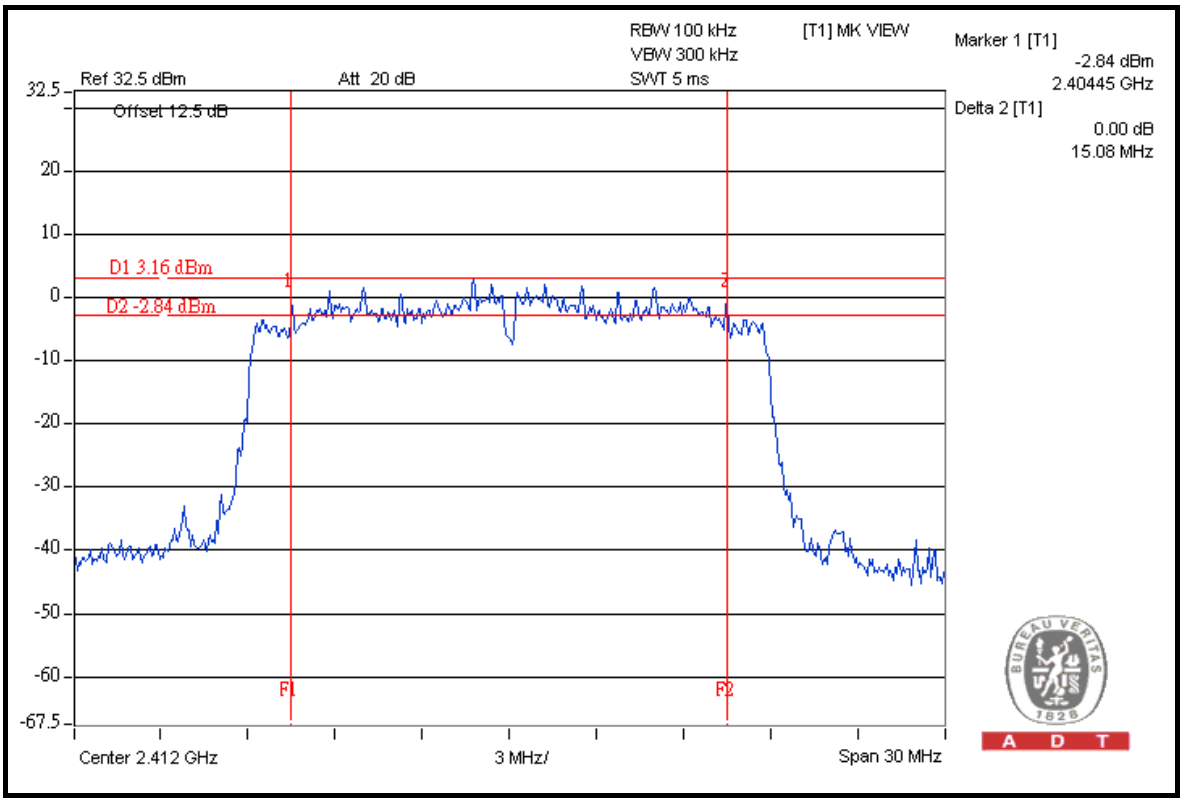
CH 11


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
-0.54 dBm
2.45442 GHz
Delta 2 [T1]
0.00 dB
15.13 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 5.46 dBm
D2 -0.54 dBm
F1
F2
Center 2.462 GHz
3 MHz/
Span 30 MHz

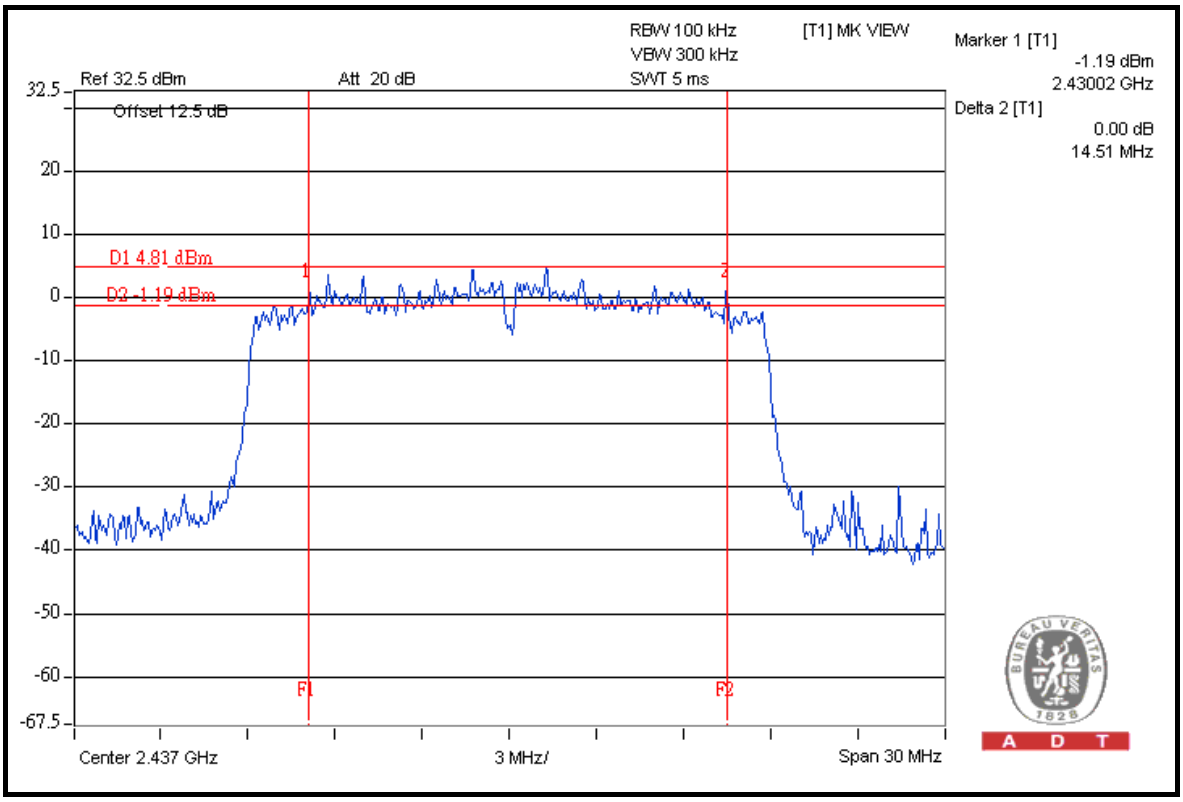
802.11n (20MHz): 2TX

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
		ANT 0		
1	2412	15.08	0.5	PASS
6	2437	14.51	0.5	PASS
11	2462	15.16	0.5	PASS

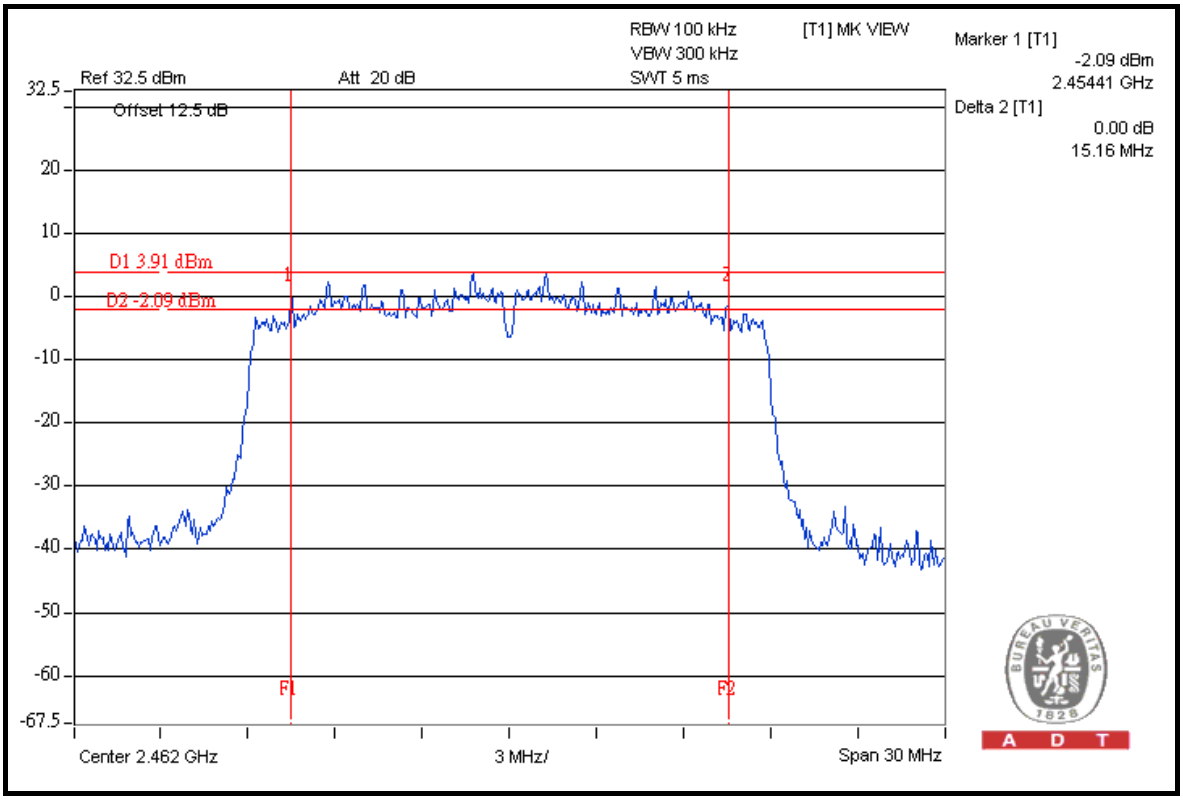
FOR ANT 0: CH 1



FOR ANT 0: CH 6



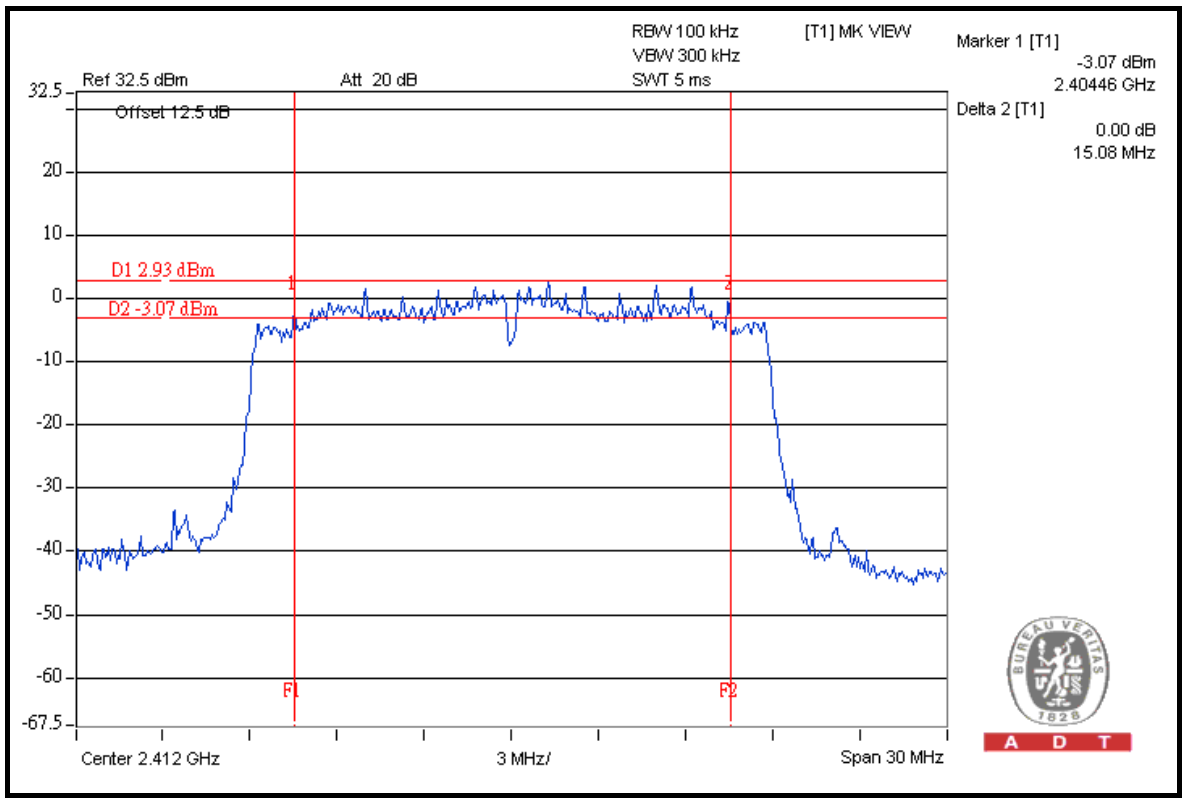
FOR ANT 0: CH 11



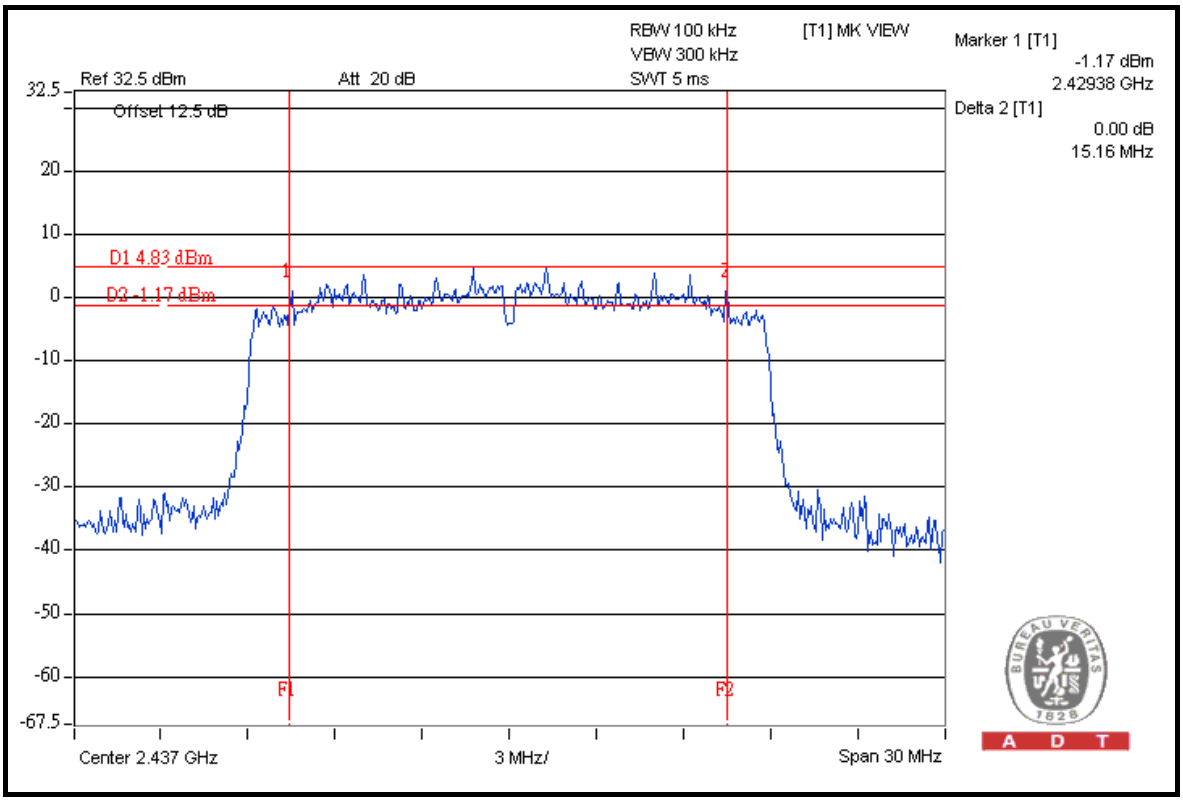
802.11n (20MHz): 2TX

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
		ANT 1		
1	2412	15.08	0.5	PASS
6	2437	15.16	0.5	PASS
11	2462	15.15	0.5	PASS

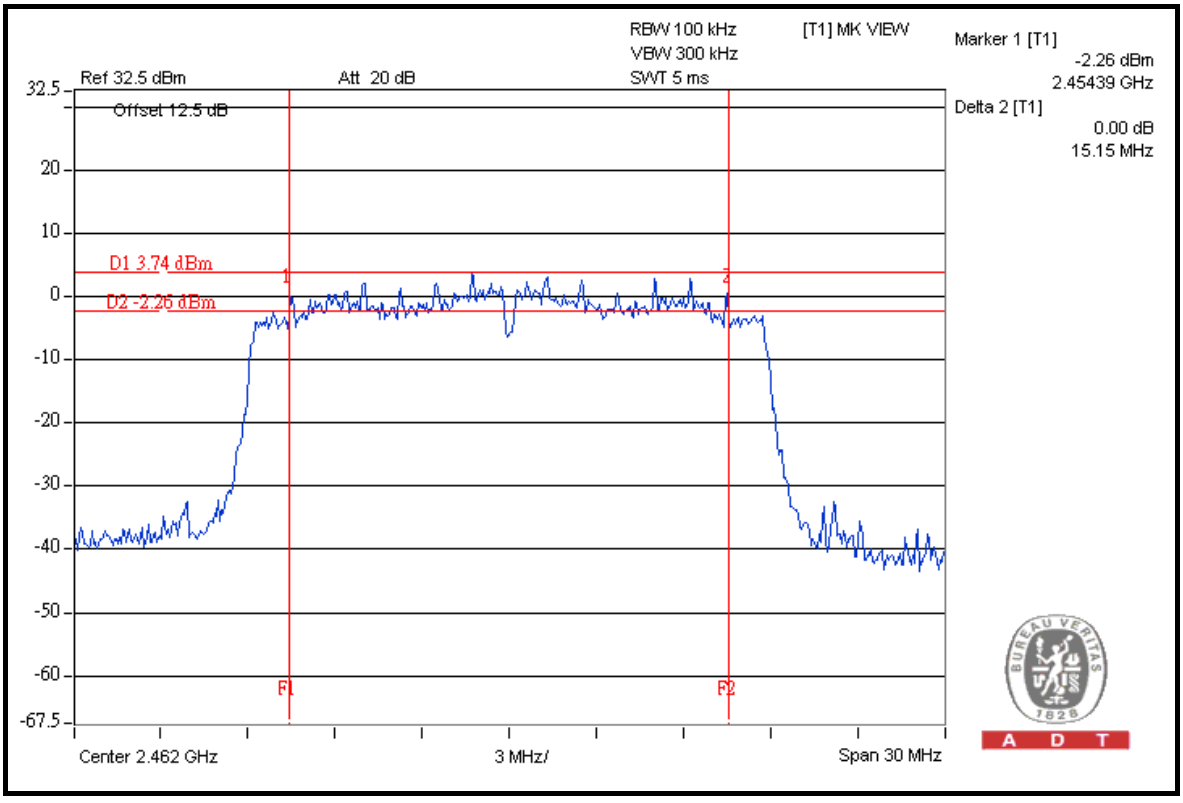
FOR ANT 1: CH 1



FOR ANT 1: CH 6



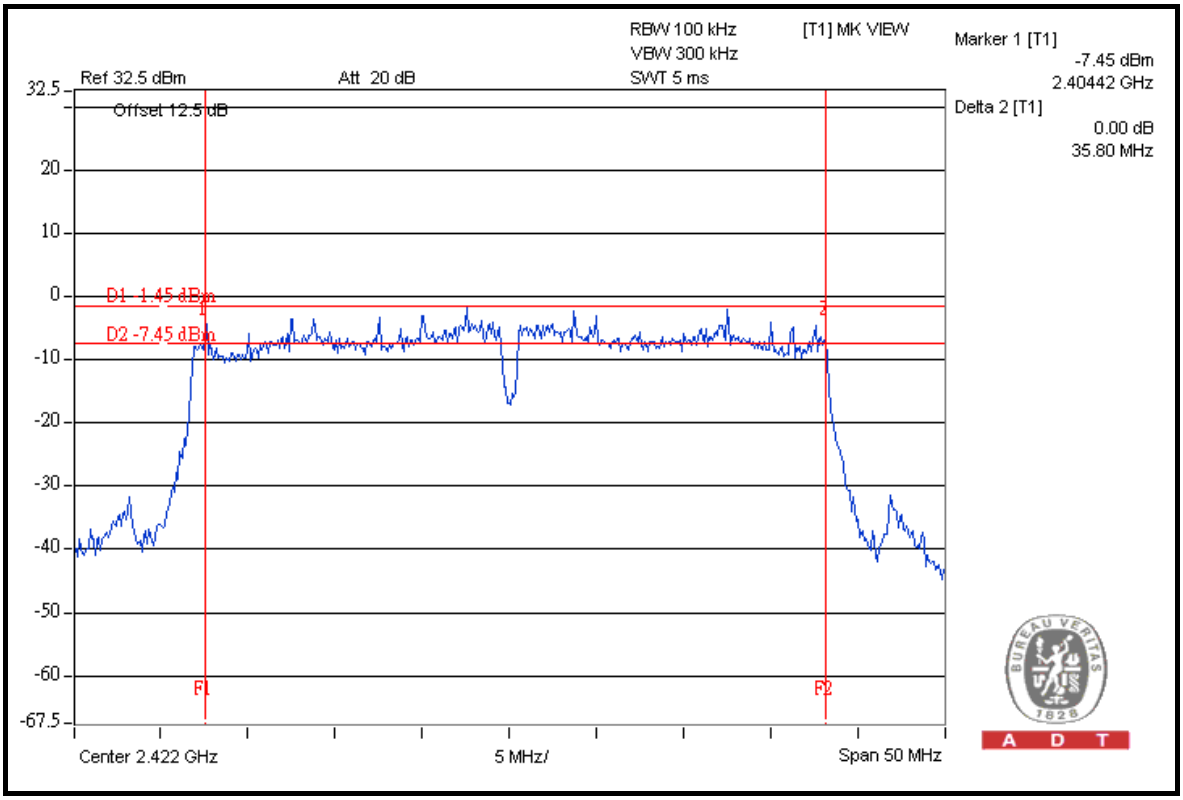
FOR ANT 1: CH 11



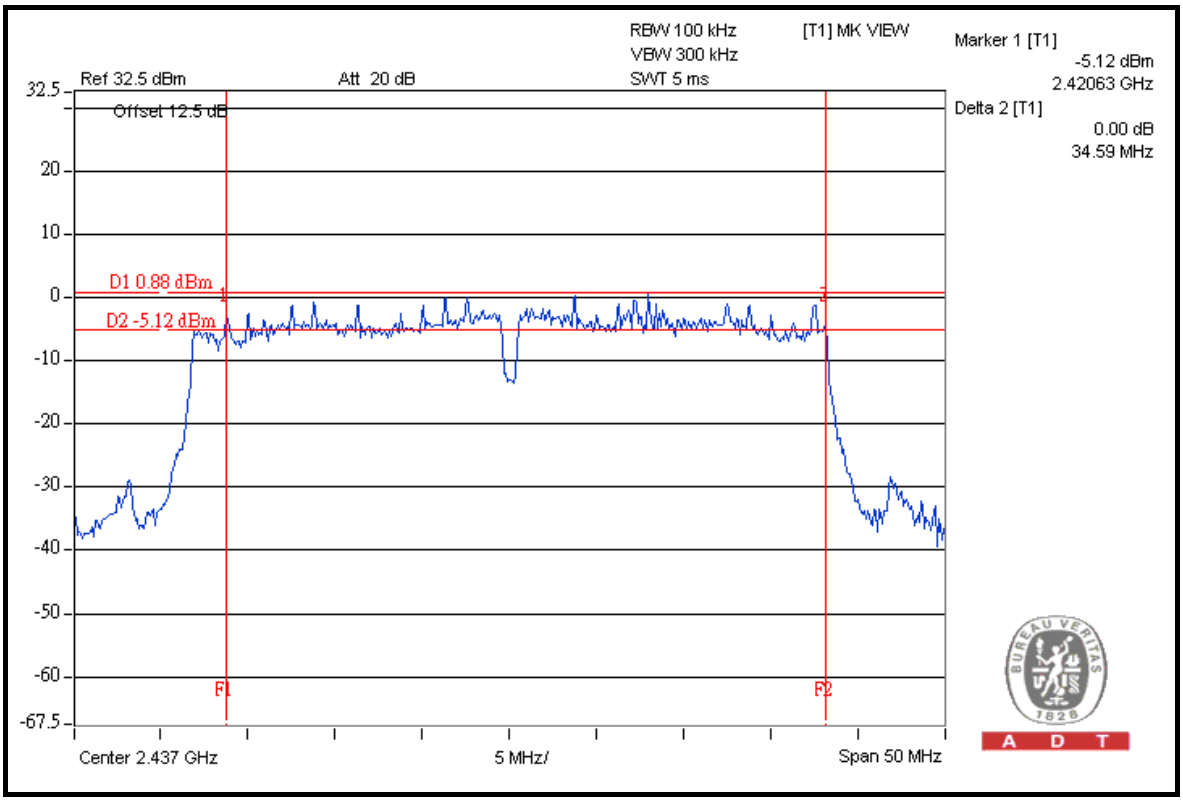
802.11n (40MHz): 1TX (Ant 0)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
3	2422	35.80	0.5	PASS
6	2437	34.59	0.5	PASS
9	2452	36.50	0.5	PASS

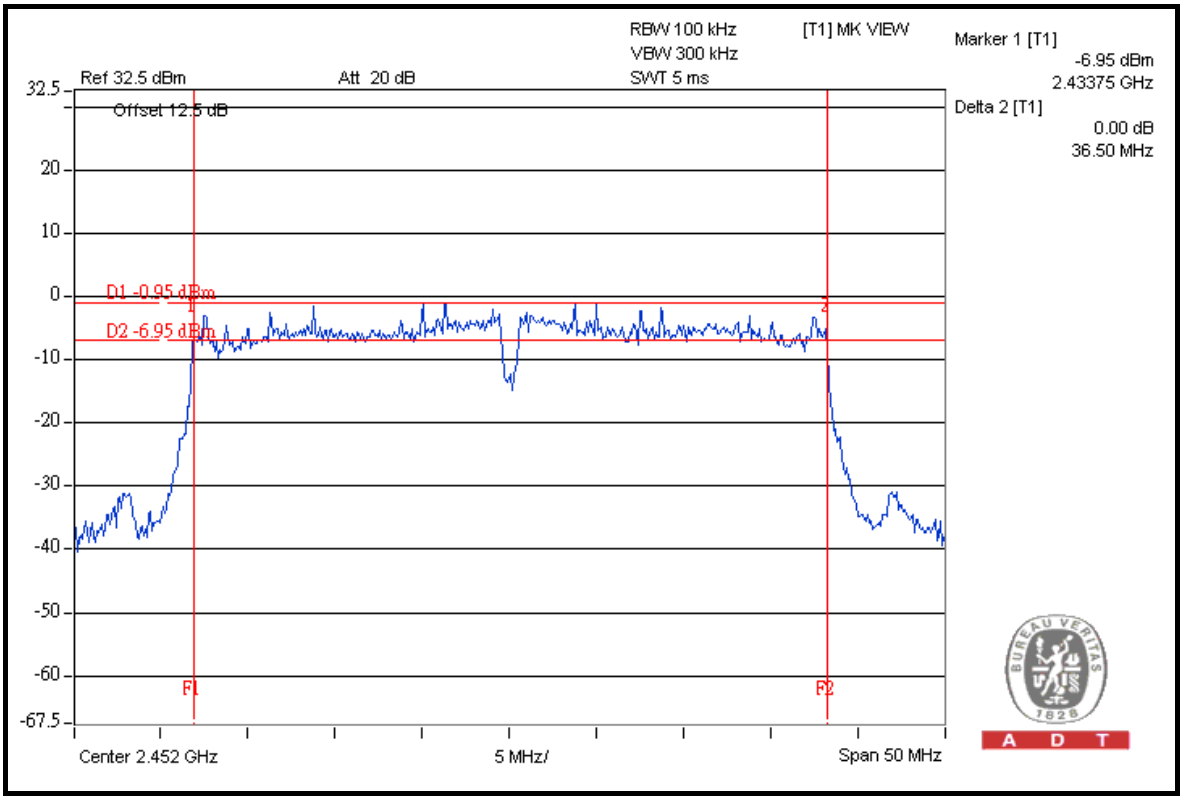
CH 3



CH 6


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
-5.12 dBm
2.42063 GHz
Delta 2 [T1]
0.00 dB
34.59 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 0.88 dBm
D2 -5.12 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.437 GHz
5 MHz/
Span 50 MHz

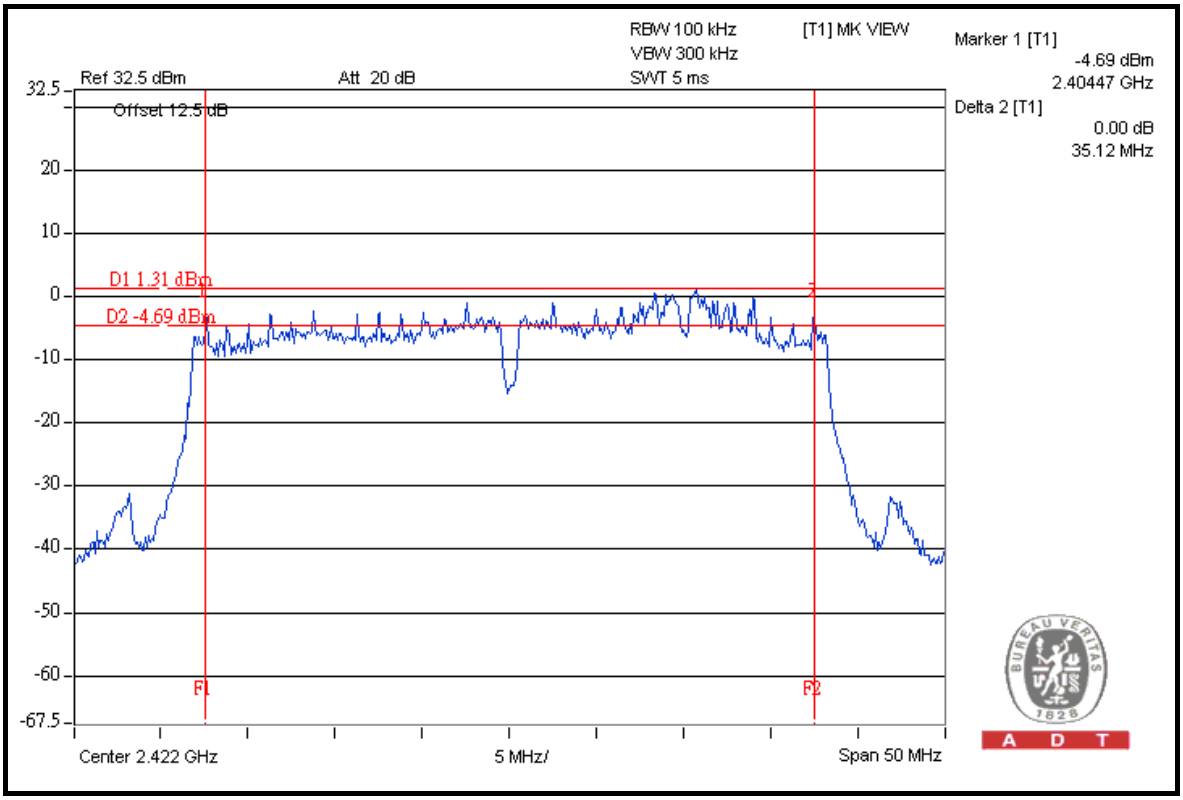
CH 9


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
-6.95 dBm
2.43375 GHz
Delta 2 [T1]
0.00 dB
36.50 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -0.95 dBm
D2 -6.95 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.452 GHz
5 MHz/
Span 50 MHz

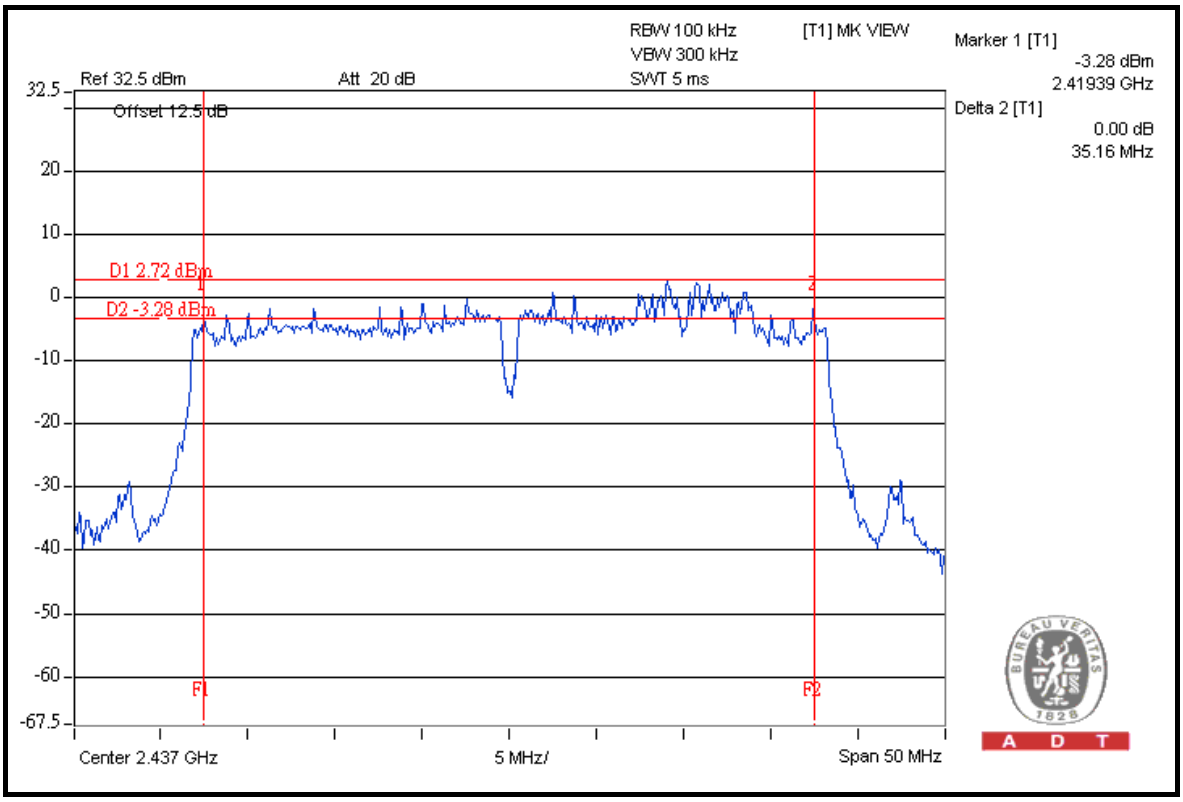
802.11n (40MHz): 1TX (Ant 1)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
3	2422	35.12	0.5	PASS
6	2437	35.16	0.5	PASS
9	2452	35.26	0.5	PASS

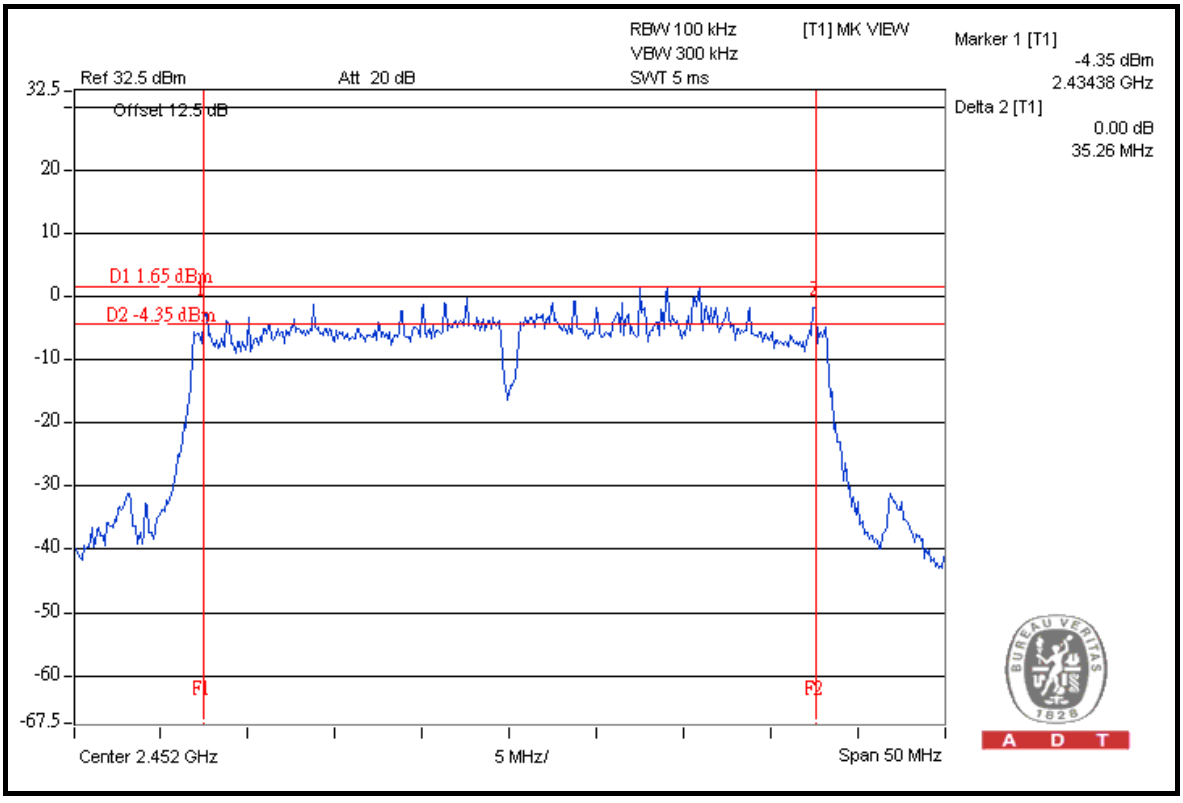
CH 3



CH 6


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
-3.28 dBm
2.41939 GHz
Delta 2 [T1]
0.00 dB
35.16 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 2.72 dBm
D2 -3.28 dBm
F1
F2
Center 2.437 GHz
5 MHz/
Span 50 MHz

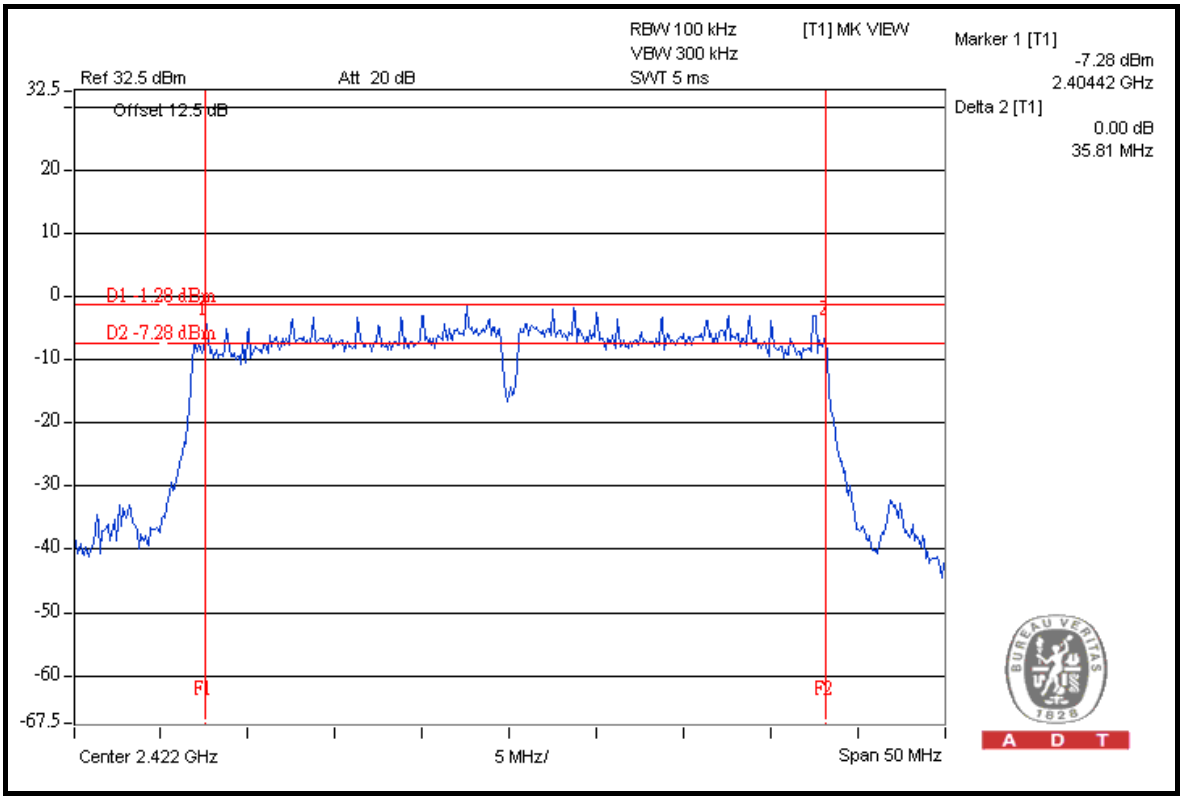
CH 9


RBW 100 kHz
VBW 300 kHz
SWT 5 ms
[T1] MK VIEW
Marker 1 [T1]
-4.35 dBm
2.43438 GHz
Delta 2 [T1]
0.00 dB
35.26 MHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 1.65 dBm
D2 -4.35 dBm
F1
F2
Center 2.452 GHz
5 MHz/
Span 50 MHz

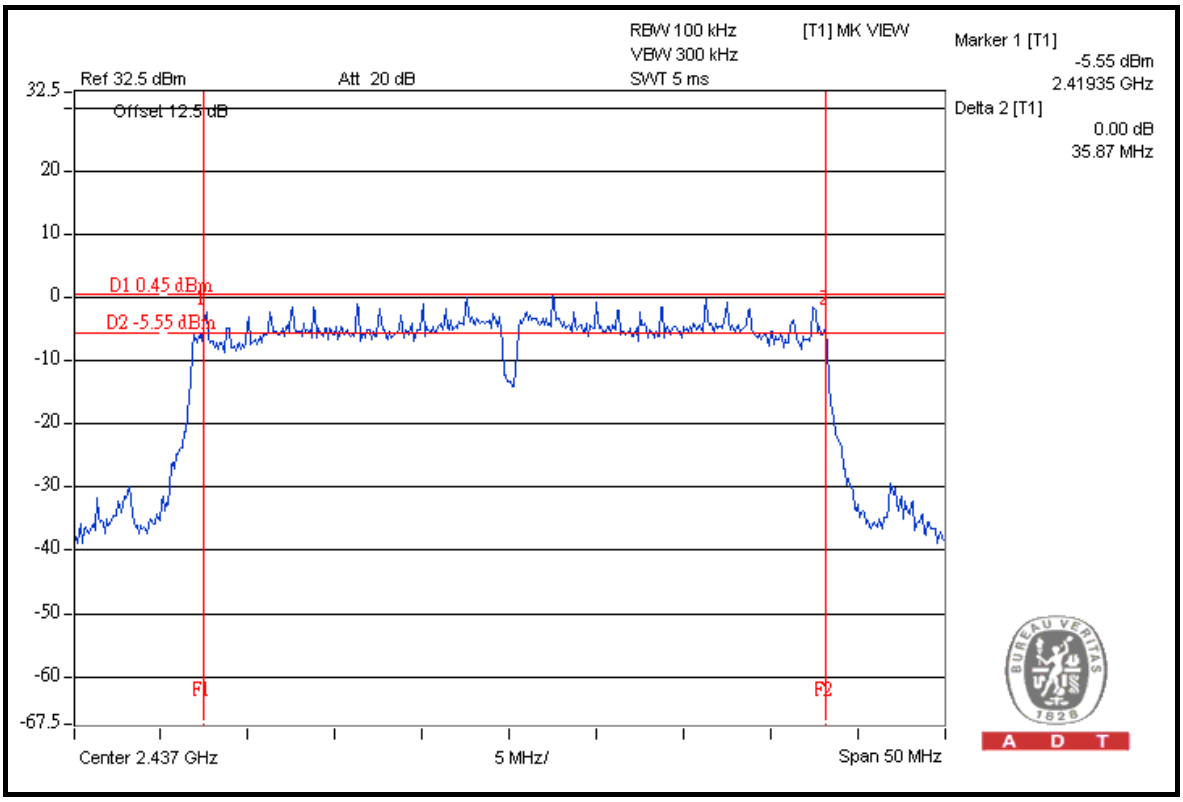
802.11n (40MHz): 2TX

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
		ANT 0		
3	2422	35.81	0.5	PASS
6	2437	35.87	0.5	PASS
9	2452	36.44	0.5	PASS

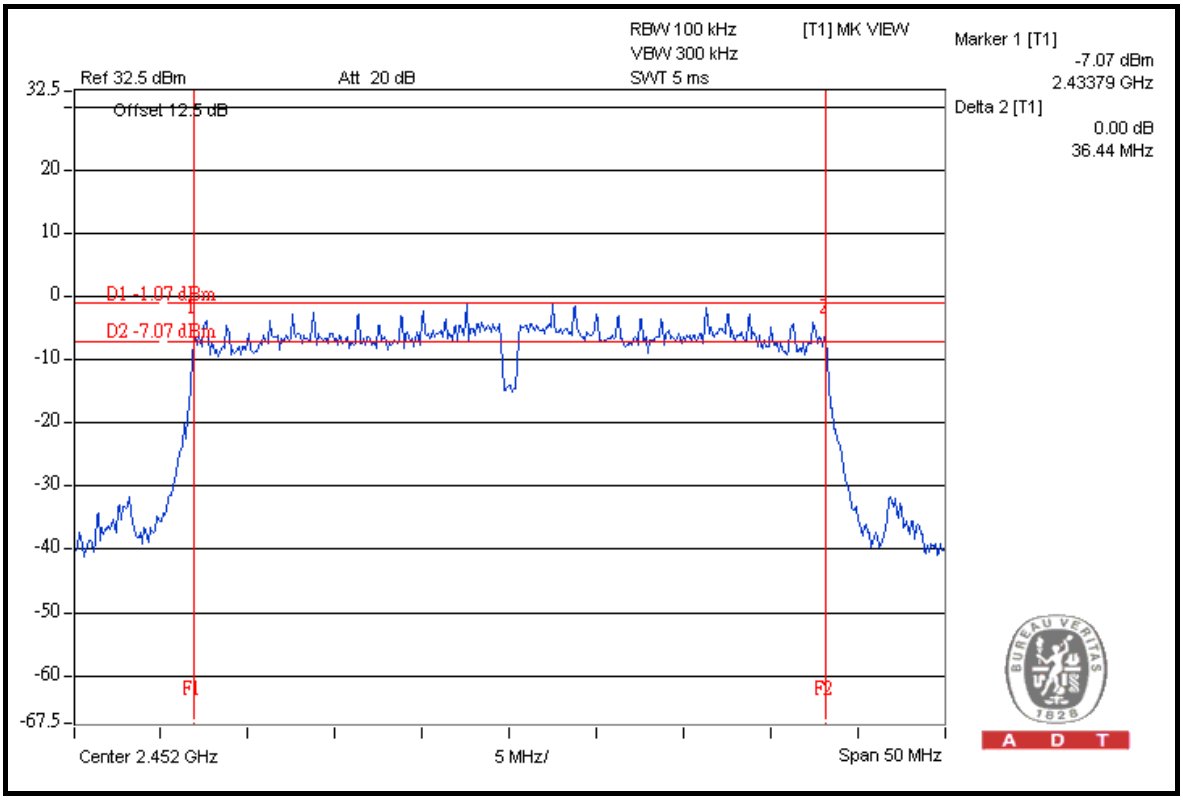
FOR ANT 0: CH 3



FOR ANT 0: CH 6



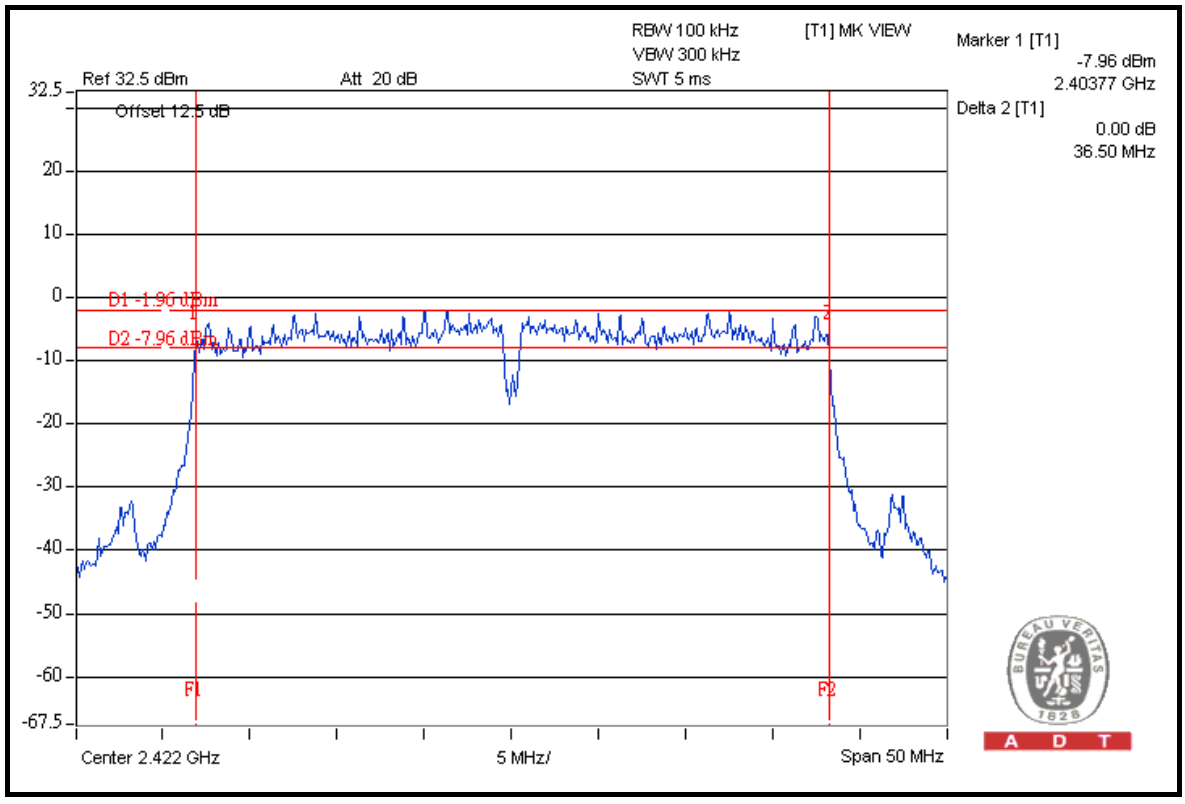
FOR ANT 0: CH 9



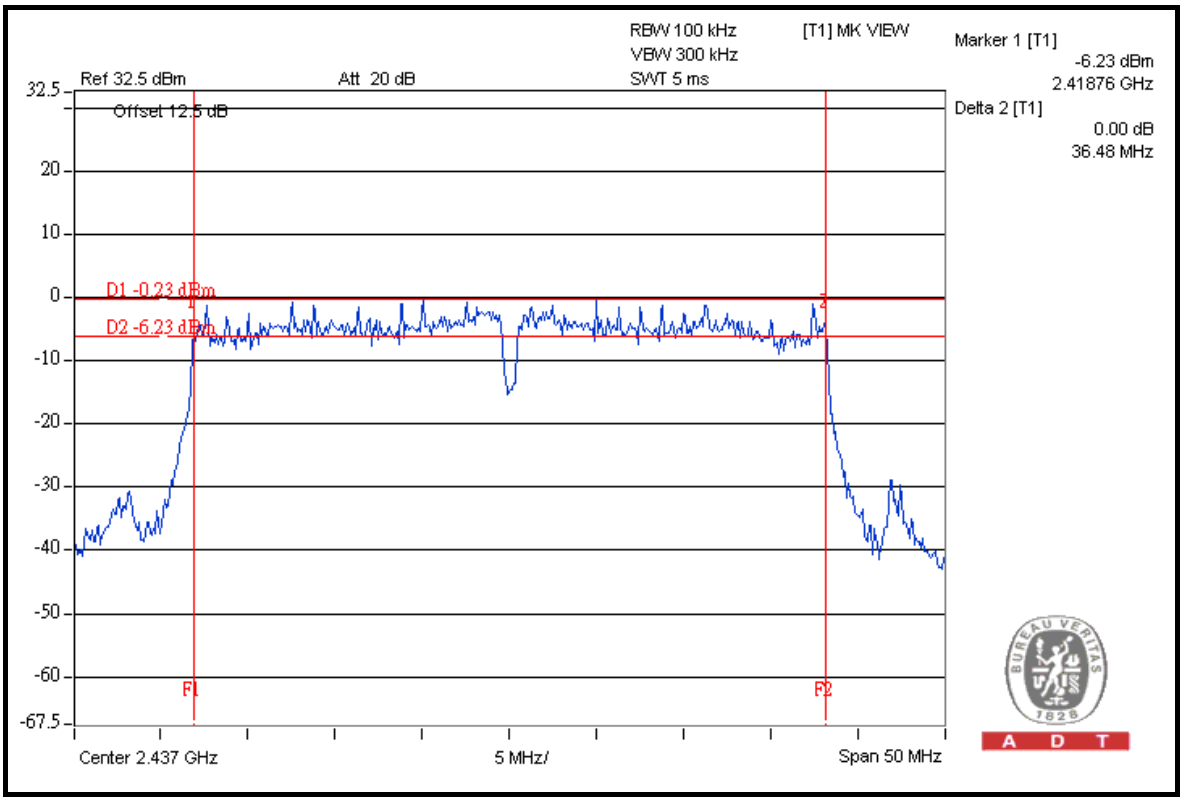
802.11n (40MHz): 2TX

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
		ANT 1		
3	2422	36.50	0.5	PASS
6	2437	36.48	0.5	PASS
9	2452	36.47	0.5	PASS

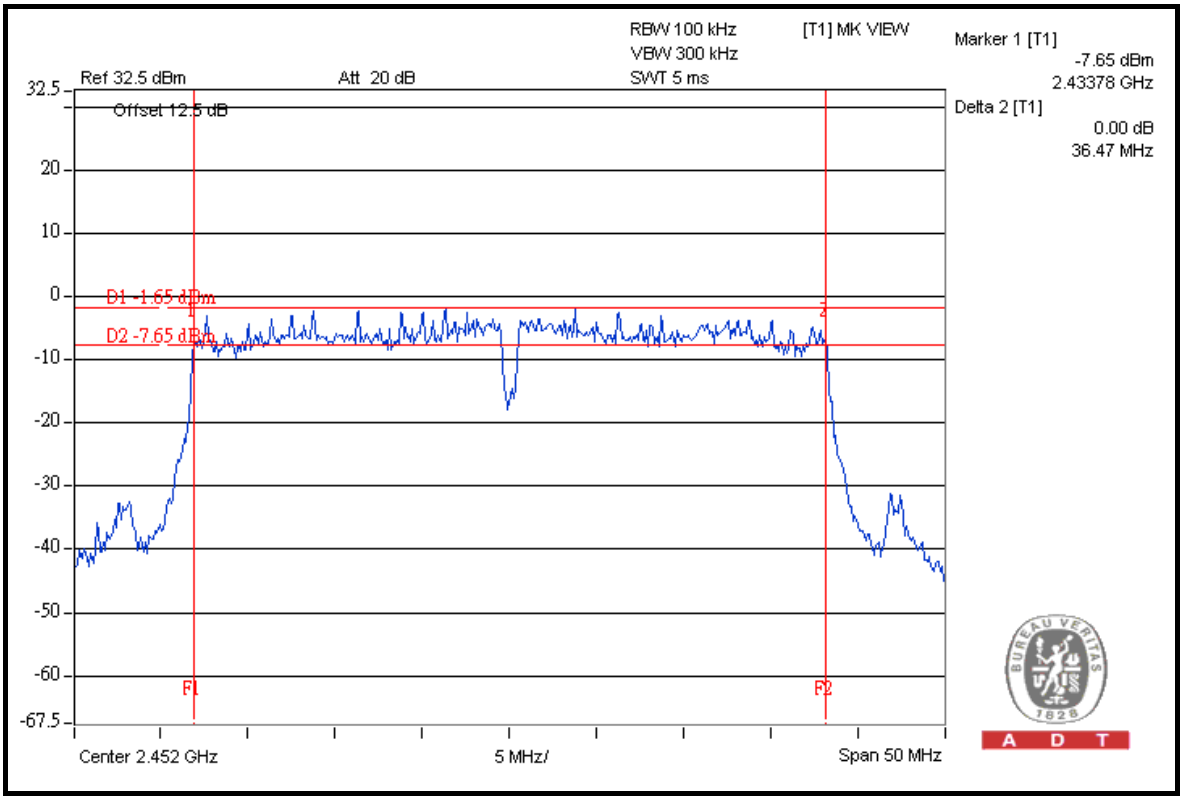
FOR ANT 1: CH 3



FOR ANT 1: CH 6



FOR ANT 1: CH 9



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 Anritsu	ML2495A	0824011	Aug. 02, 2010	Aug. 01, 2011
Power Sensor Anritsu	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.

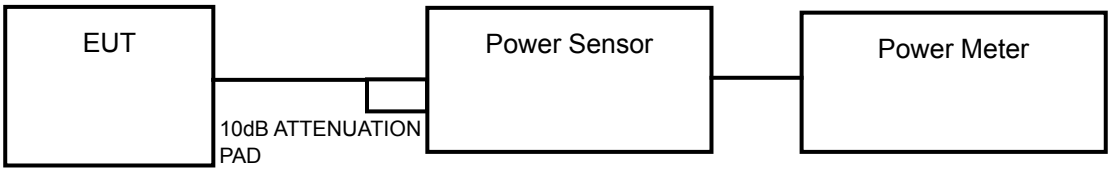
4.4.3 TEST PROCEDURES

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: 1TX (Ant 0)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	125.9	21.0	30	PASS
6	2437	107.2	20.3	30	PASS
11	2462	107.2	20.3	30	PASS

802.11b: 1TX (Ant 1)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	120.2	20.8	30	PASS
6	2437	104.7	20.2	30	PASS
11	2462	102.3	20.1	30	PASS

802.11g: 1TX (Ant 0)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	218.8	23.4	30	PASS
6	2437	257.0	24.1	30	PASS
11	2462	223.9	23.5	30	PASS

802.11g: 1TX (Ant 1)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	208.9	23.2	30	PASS
6	2437	251.2	24.0	30	PASS
11	2462	218.8	23.4	30	PASS

802.11n (20MHz): 1TX (Ant 0)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	204.2	23.1	30	PASS
6	2437	251.2	24.0	30	PASS
11	2462	218.8	23.4	30	PASS

802.11n (20MHz): 1TX (Ant 1)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
1	2412	199.5	23.0	30	PASS
6	2437	245.5	23.9	30	PASS
11	2462	208.9	23.2	30	PASS

802.11n (20MHz): 2TX

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		ANT 0	ANT 1				
1	2412	22.6	22.5	359.8	25.6	30	PASS
6	2437	24.3	24.4	**544.6**	27.4	30	PASS
11	2462	23.2	23.4	427.7	26.3	30	PASS

802.11n (40MHz): 1TX (Ant 0)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
3	2422	147.9	21.7	30	PASS
6	2437	204.2	23.1	30	PASS
9	2452	162.2	22.1	30	PASS

802.11n (40MHz): 1TX (Ant 1)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (mW)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	PASS/FAIL
3	2422	144.5	21.6	30	PASS
6	2437	199.5	23.0	30	PASS
9	2452	158.5	22.0	30	PASS

802.11n (40MHz): 2TX

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		ANT 0	ANT 1				
3	2422	21.2	21.9	286.7	24.6	30	PASS
6	2437	22.7	23.6	415.3	26.2	30	PASS
9	2452	21.6	22.0	303.0	24.8	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	100039	Feb. 23, 2011	Feb. 22, 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.

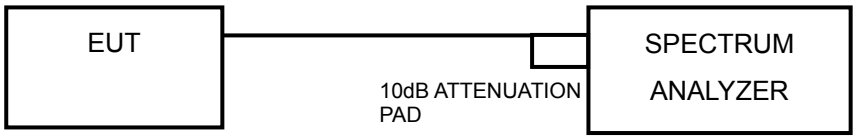
The sweep time is allowed to be longer than span/3kHz for a full response of the mixer in the spectrum analyzer.

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

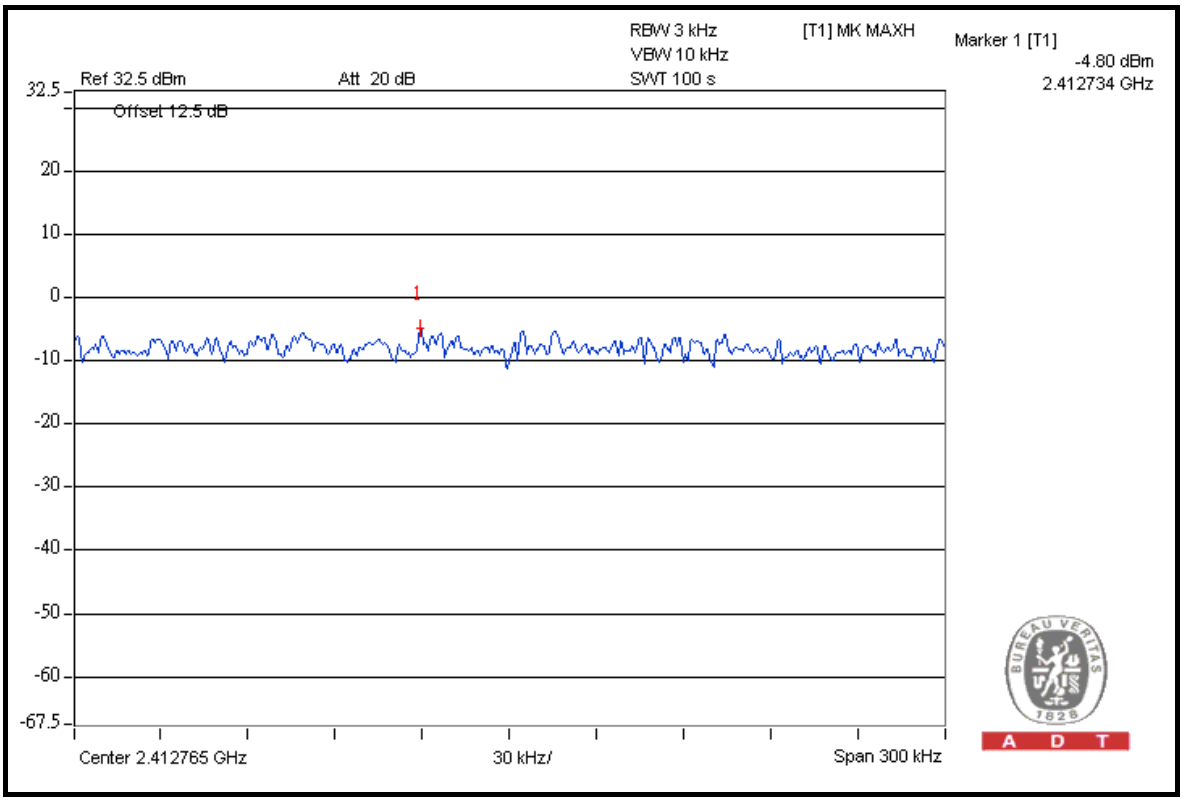
Same as Item 4.3.6.

4.5.7 TEST RESULTS

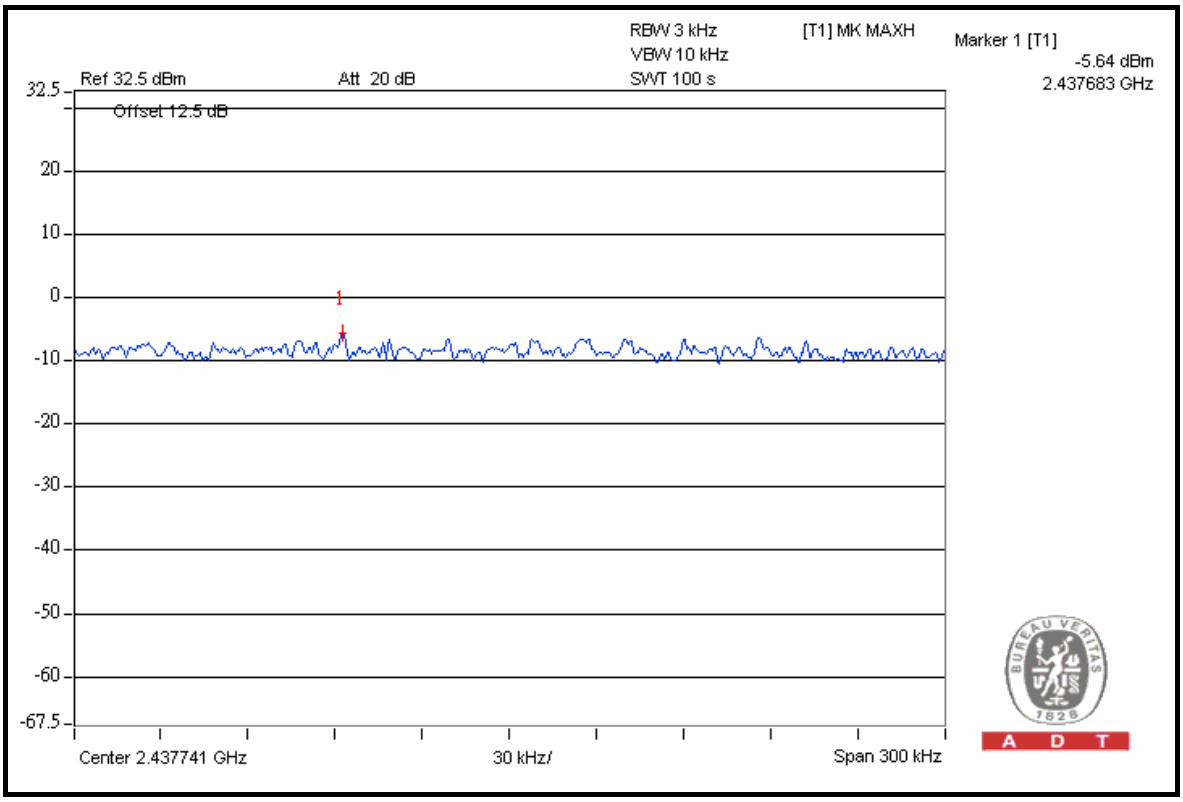
802.11b: 1TX (Ant 0)

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-4.8	8	PASS
6	2437	-5.6	8	PASS
11	2462	-5.3	8	PASS

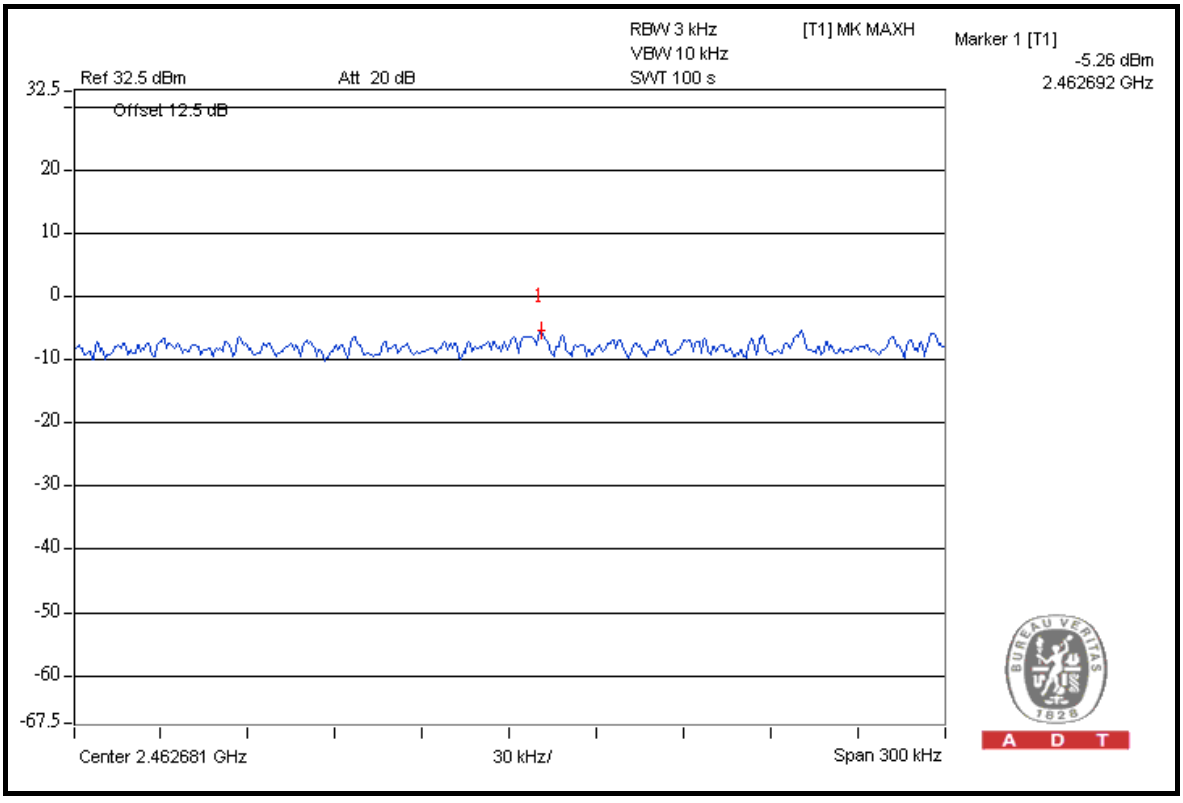
CH 1



CH 6


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-5.64 dBm
2.437683 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Center 2.437741 GHz
30 kHz/
Span 300 kHz

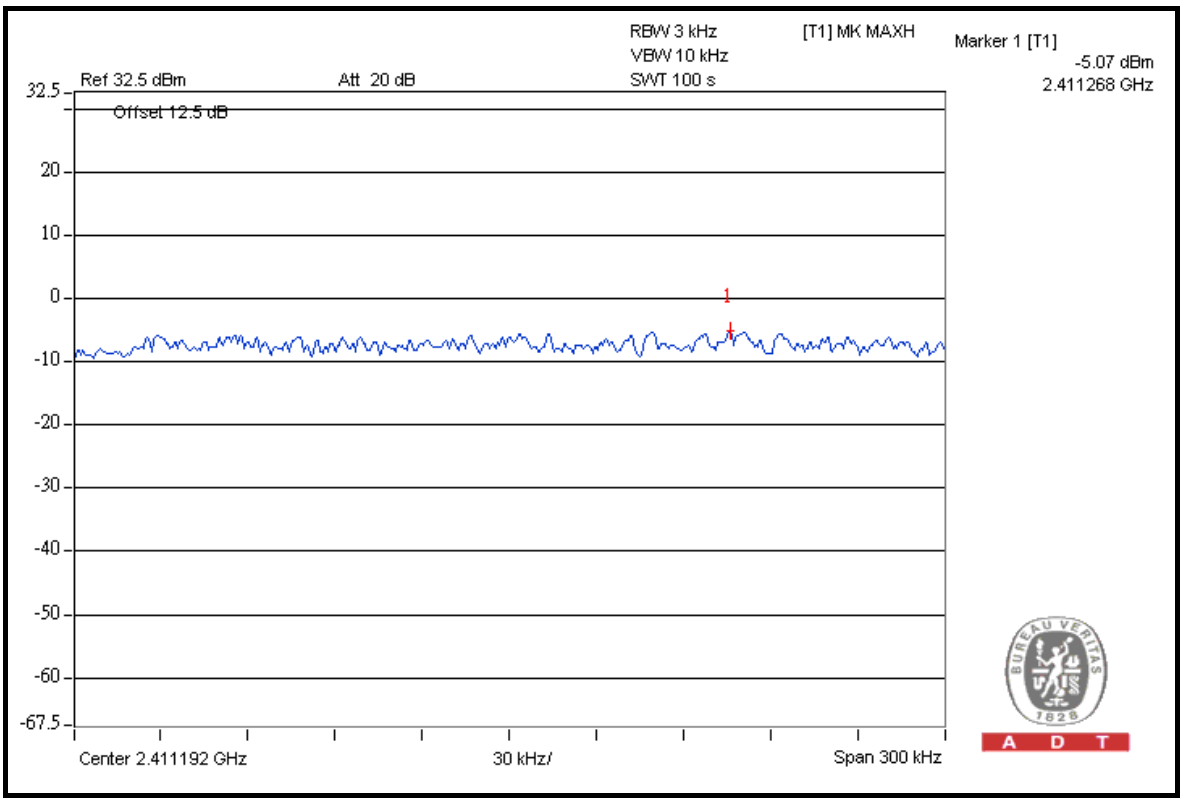
CH 11


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-5.26 dBm
2.462692 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Center 2.462681 GHz
30 kHz/
Span 300 kHz

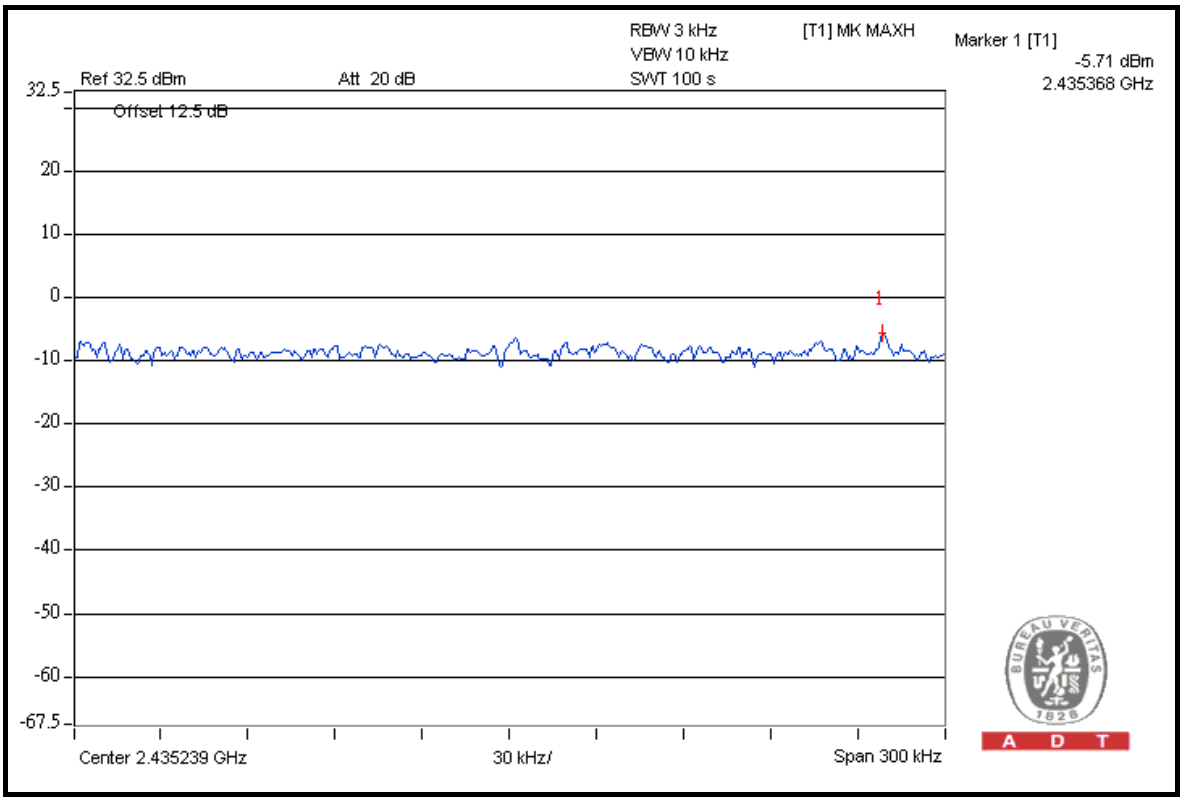
802.11b: 1TX (Ant 1)

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-5.1	8	PASS
6	2437	-5.7	8	PASS
11	2462	-5.8	8	PASS

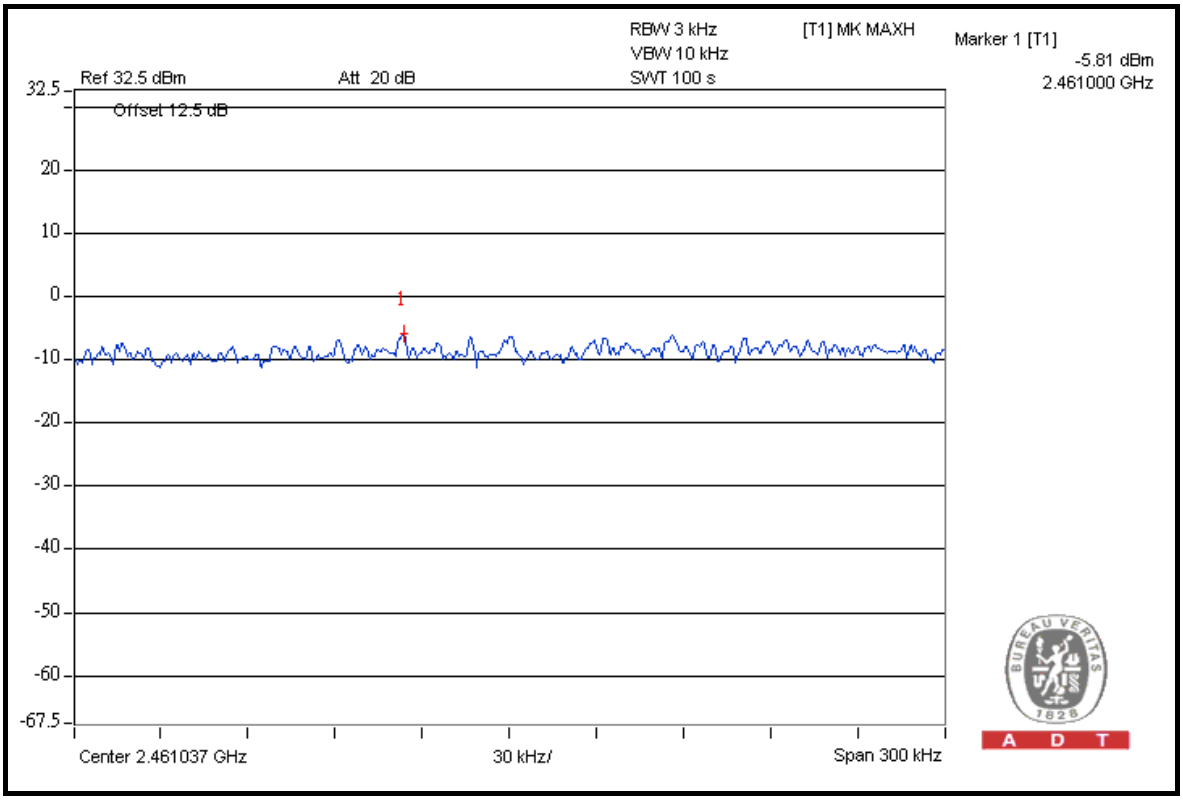
CH 1



CH 6


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-5.71 dBm
2.435368 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Center 2.435239 GHz
30 kHz/
Span 300 kHz

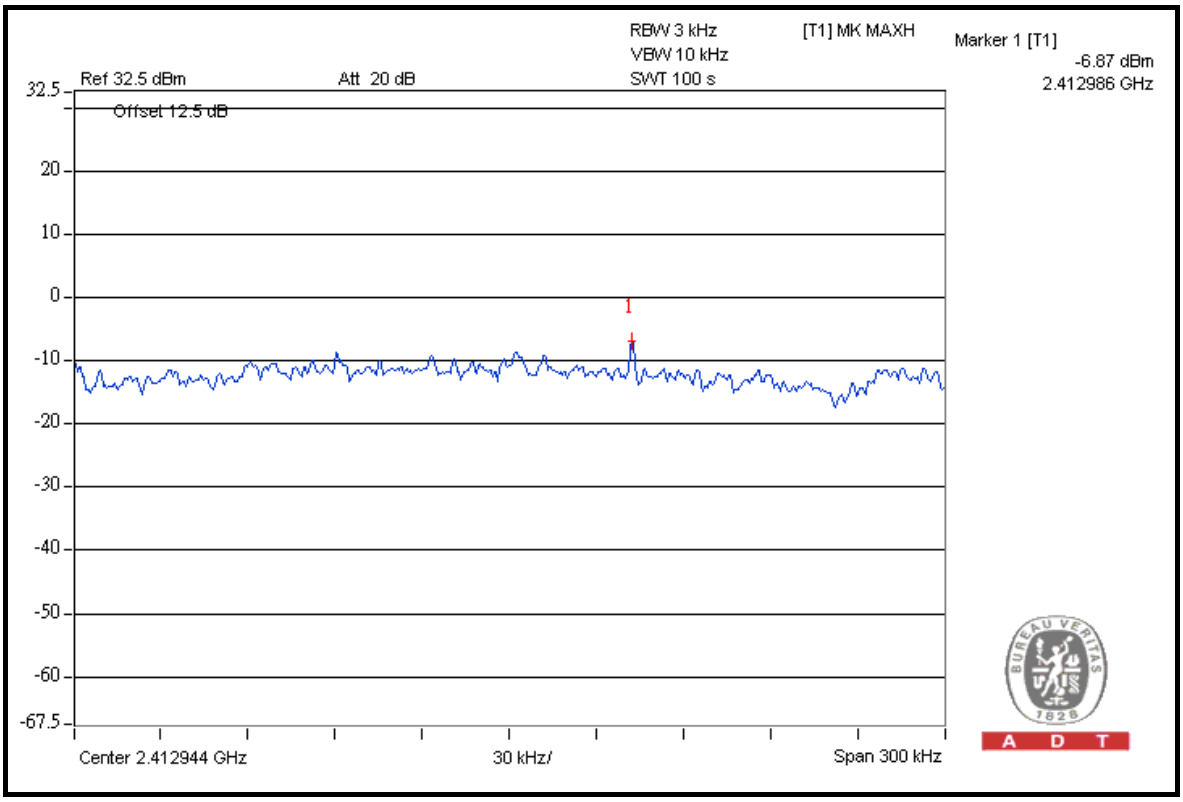
CH 11


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-5.81 dBm
2.461000 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Center 2.461037 GHz
30 kHz/
Span 300 kHz

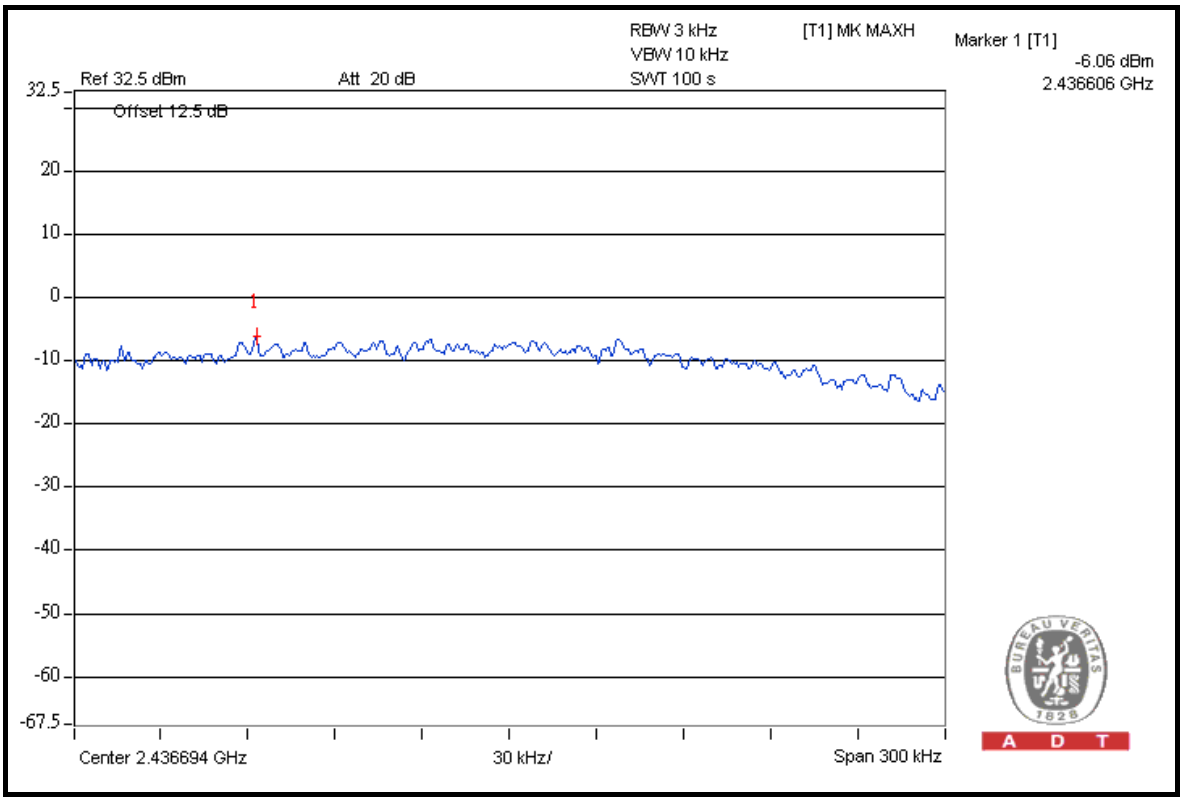
802.11g: 1TX (Ant 0)

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-6.9	8	PASS
6	2437	-6.1	8	PASS
11	2462	-6.9	8	PASS

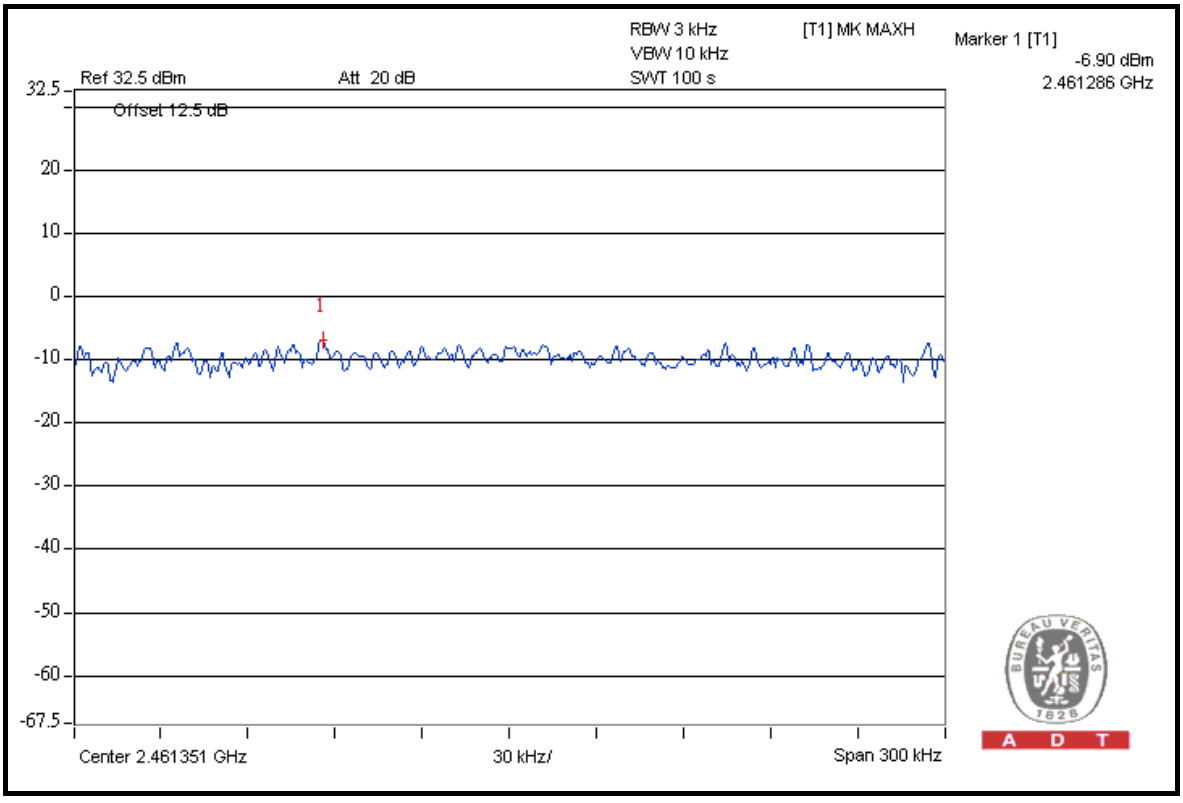
CH 1



CH 6


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-6.06 dBm
2.436606 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Center 2.436694 GHz
30 kHz/
Span 300 kHz

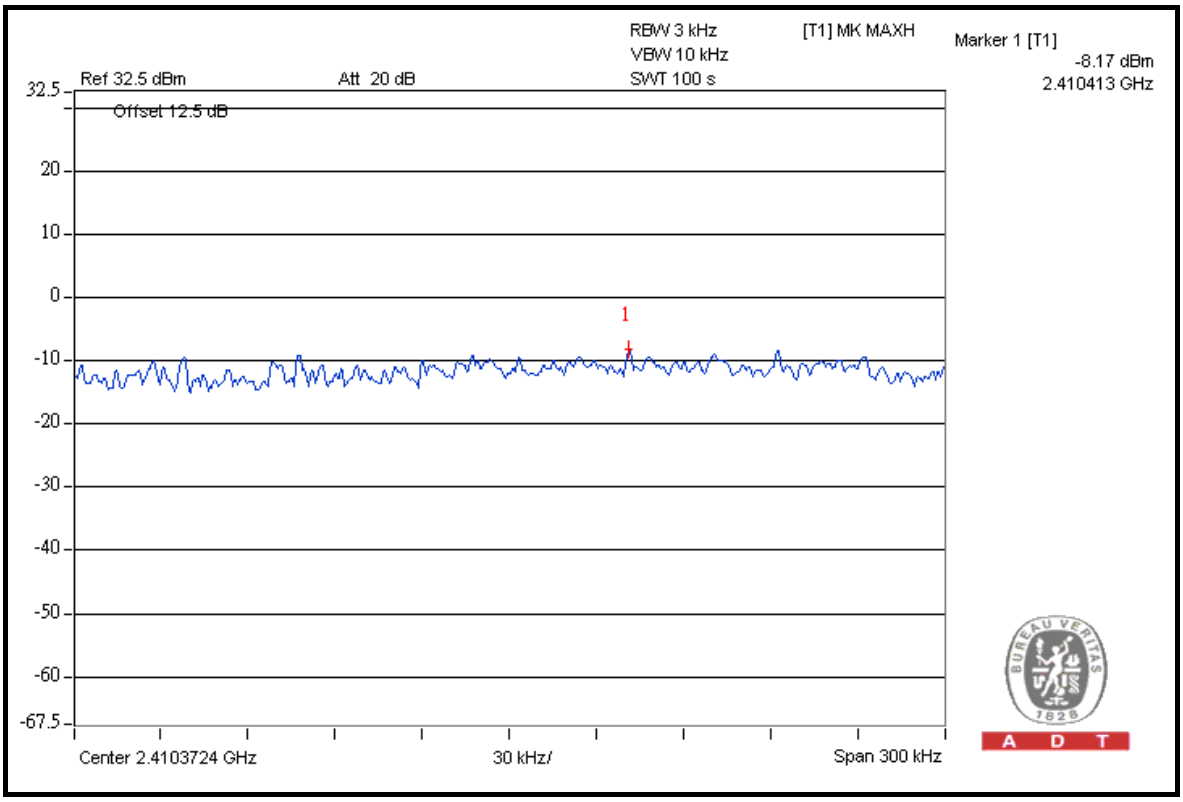
CH 11


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-6.90 dBm
2.461286 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Center 2.461351 GHz
30 kHz/
Span 300 kHz

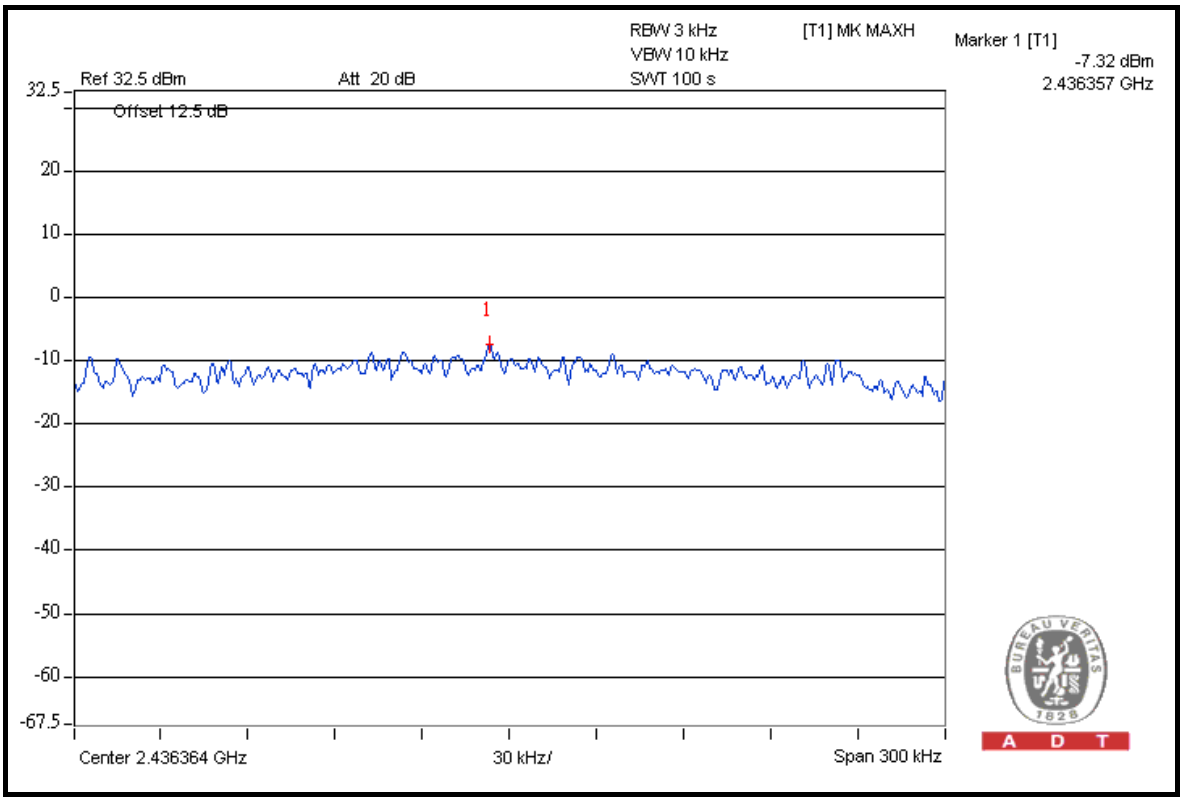
802.11g: 1TX (Ant 1)

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-8.2	8	PASS
6	2437	-7.3	8	PASS
11	2462	-7.9	8	PASS

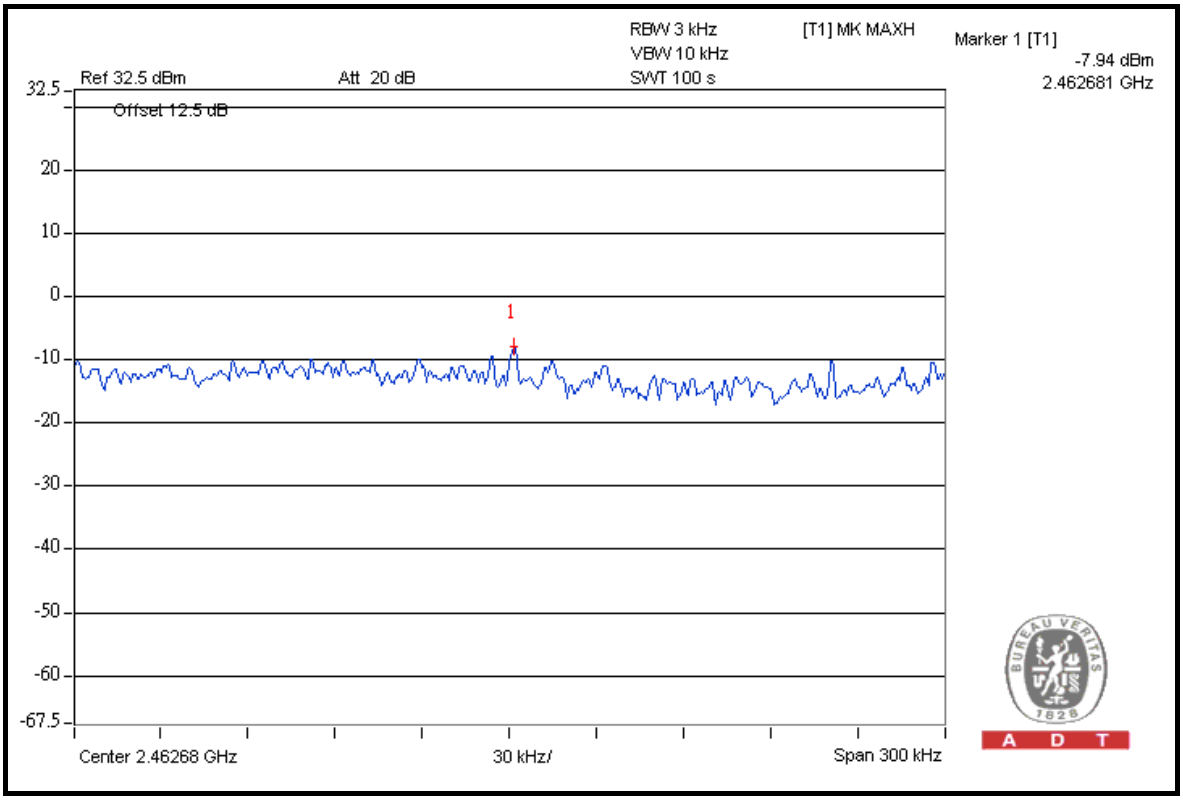
CH 1



CH 6


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-7.32 dBm
2.436357 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
1
Center 2.436364 GHz
30 kHz/
Span 300 kHz

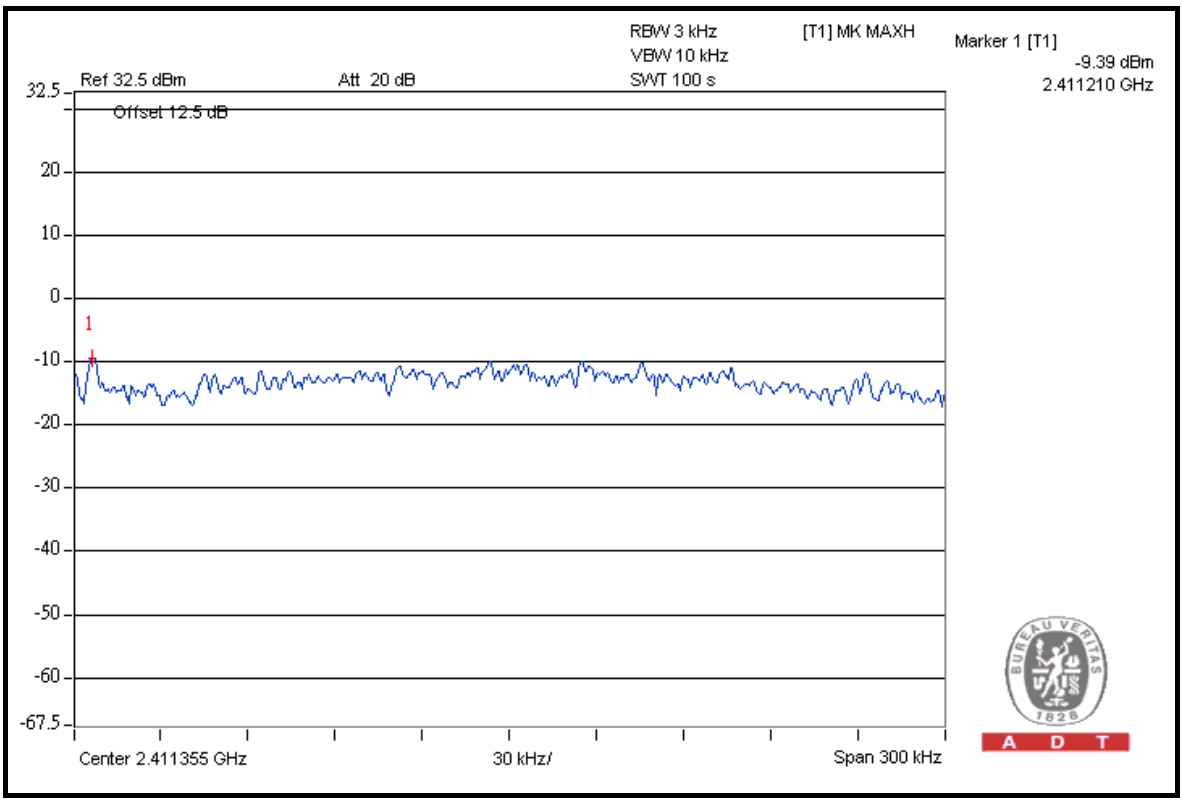
CH 11


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-7.94 dBm
2.462681 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
1
Center 2.46268 GHz
30 kHz/
Span 300 kHz

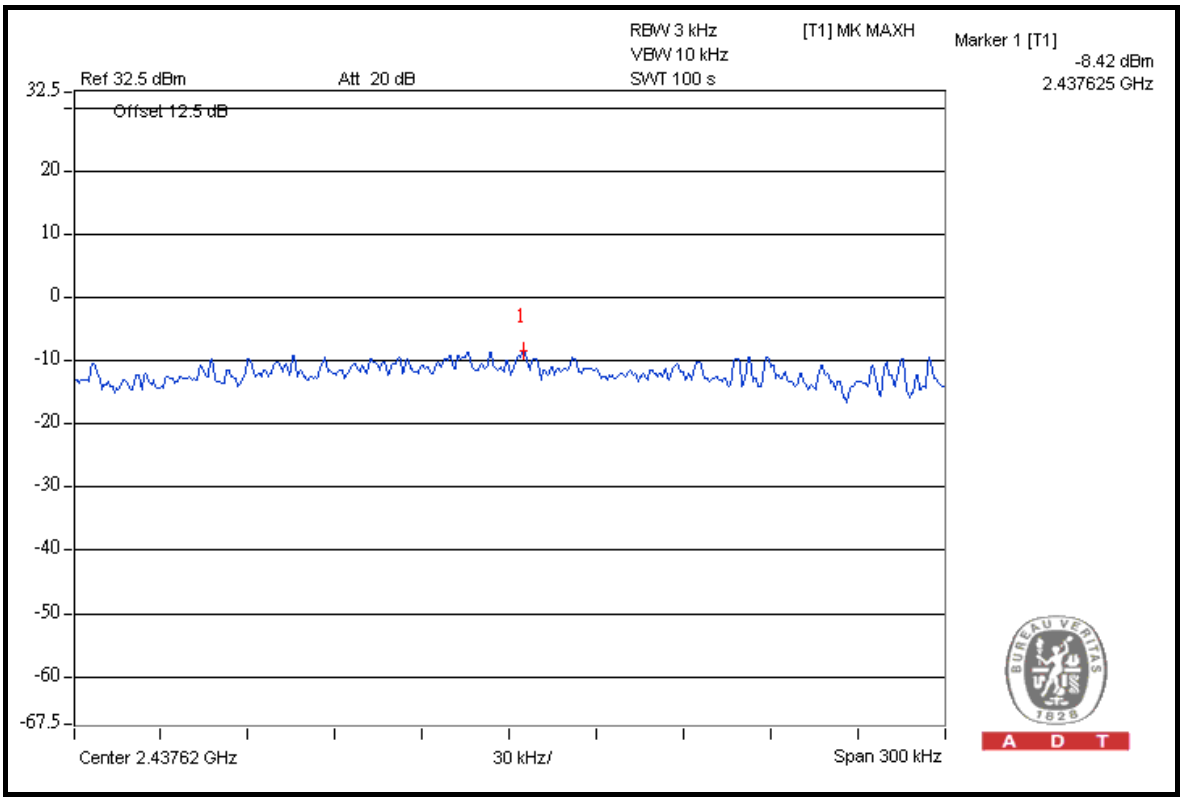
802.11n (20MHz): 1TX (Ant 0)

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-9.4	8	PASS
6	2437	-8.4	8	PASS
11	2462	-9.1	8	PASS

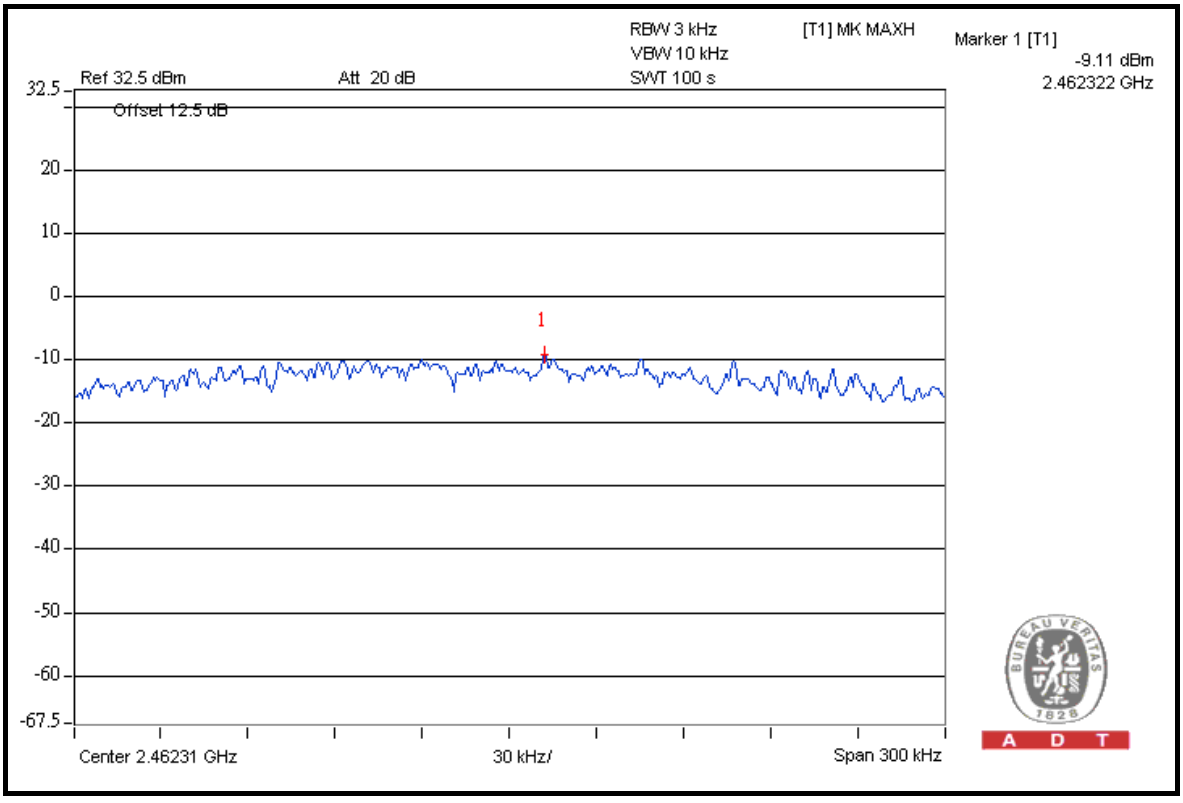
CH 1



CH 6


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-8.42 dBm
2.437625 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
1
Center 2.43762 GHz
30 kHz/
Span 300 kHz

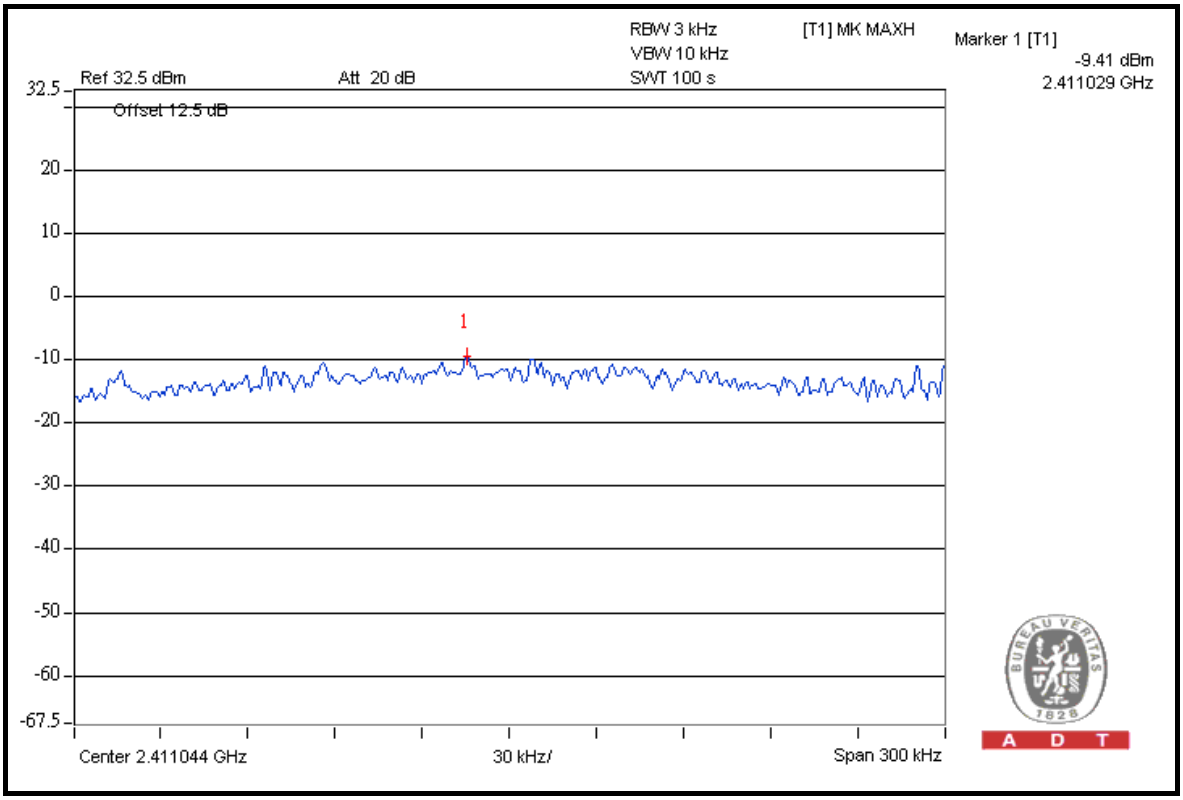
CH 11


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-9.11 dBm
2.462322 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
1
Center 2.46231 GHz
30 kHz/
Span 300 kHz

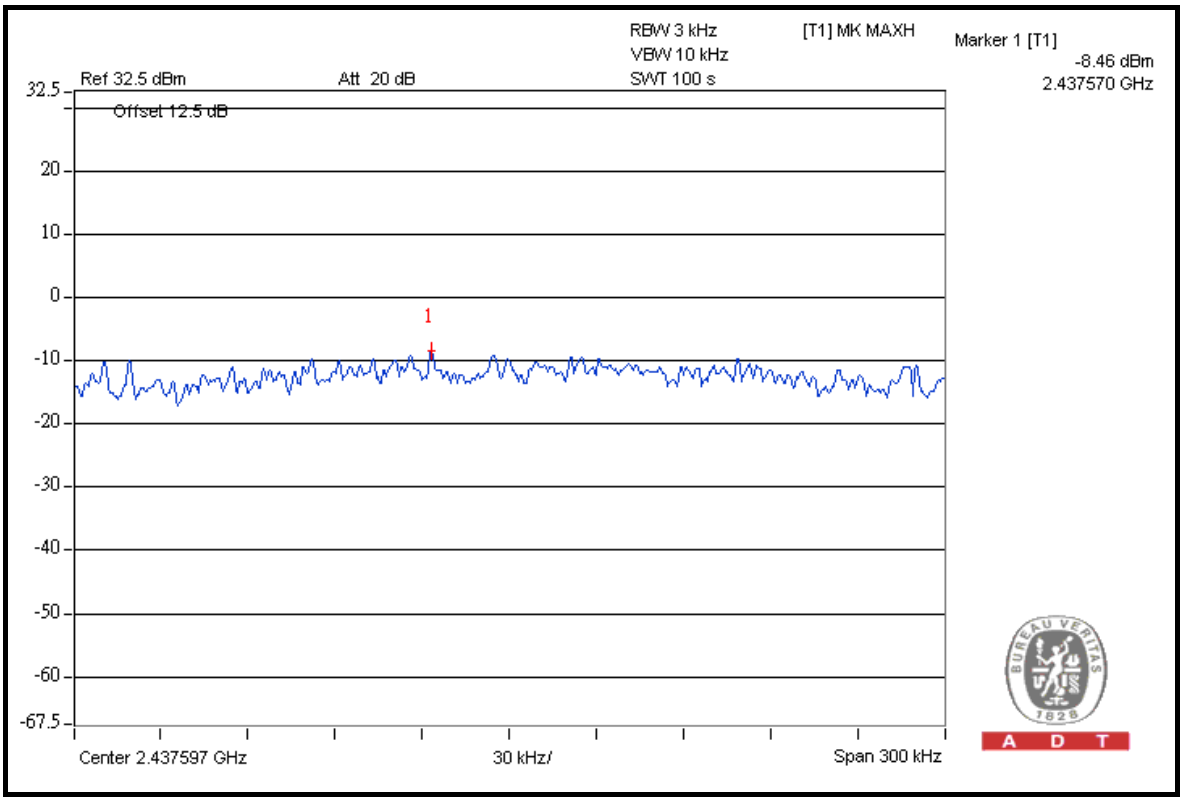
802.11n (20MHz): 1TX (Ant 1)

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	2412	-9.4	8	PASS
6	2437	-8.5	8	PASS
11	2462	-9.5	8	PASS

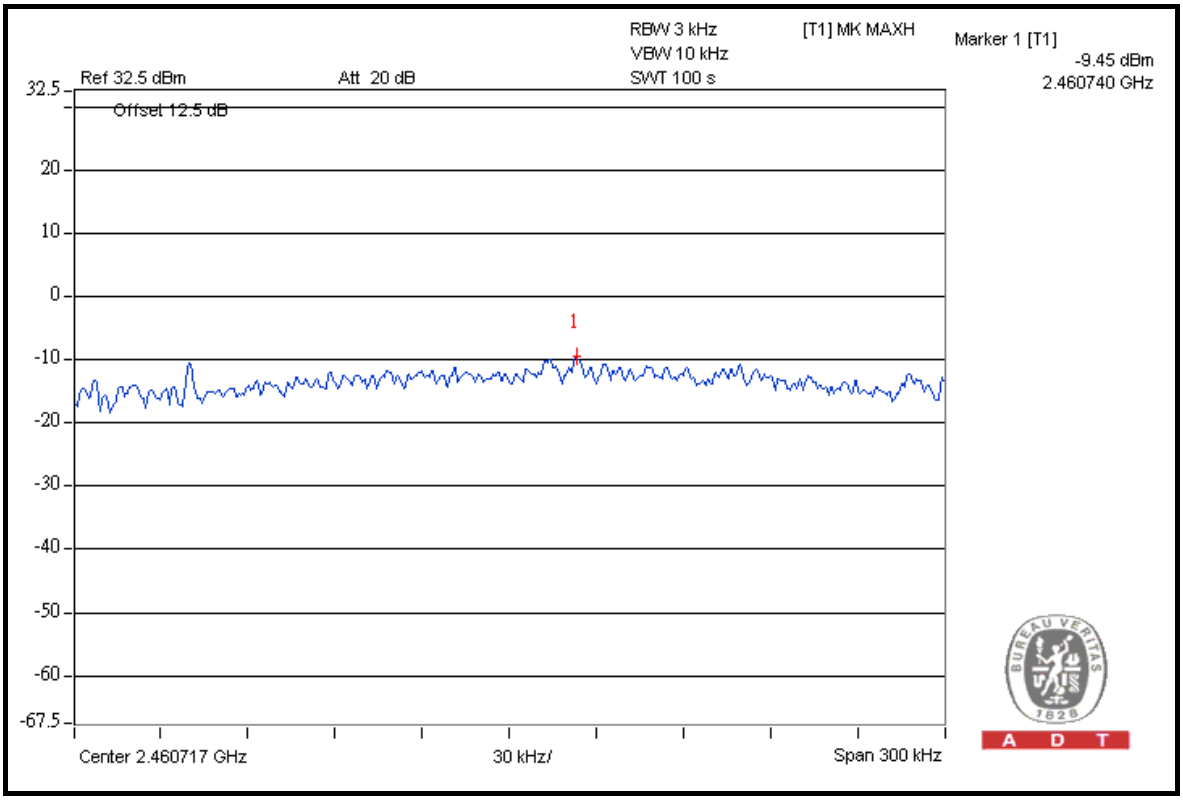
CH 1



CH 6


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-8.46 dBm
2.437570 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
1
Center 2.437597 GHz
30 kHz/
Span 300 kHz

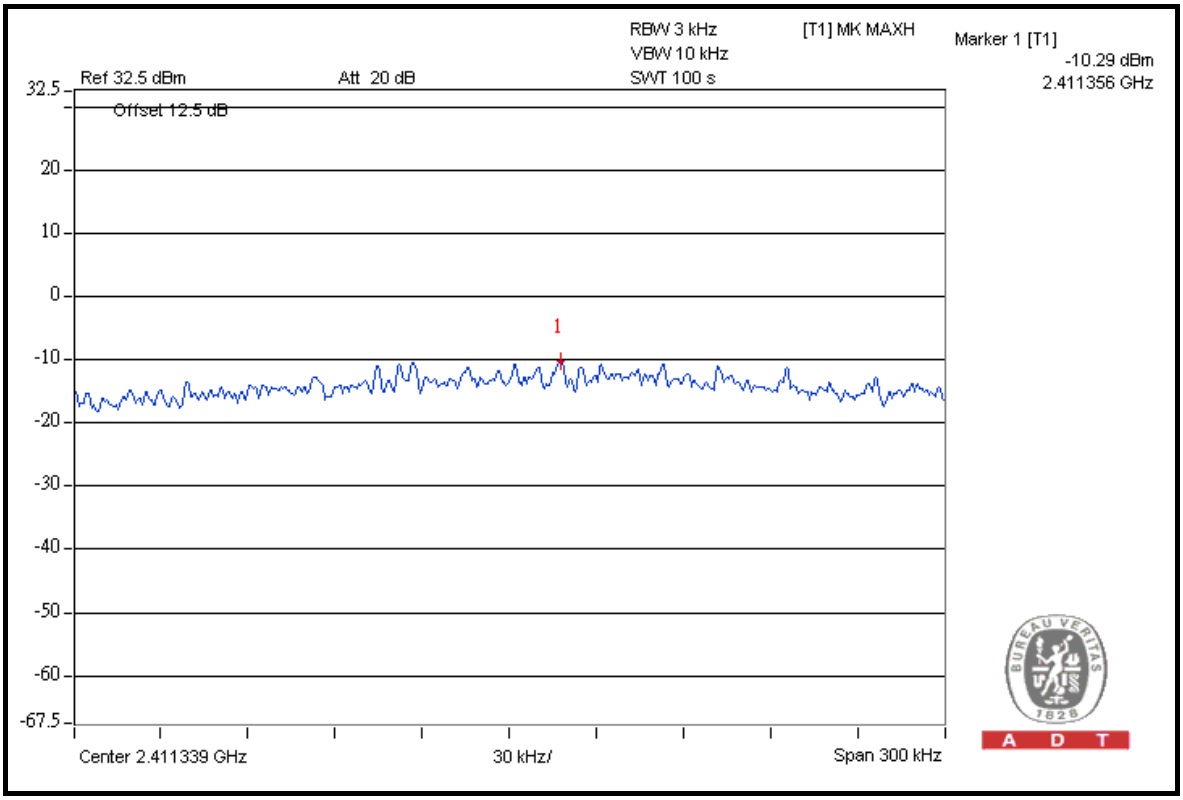
CH 11


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-9.45 dBm
2.460740 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
1
Center 2.460717 GHz
30 kHz/
Span 300 kHz

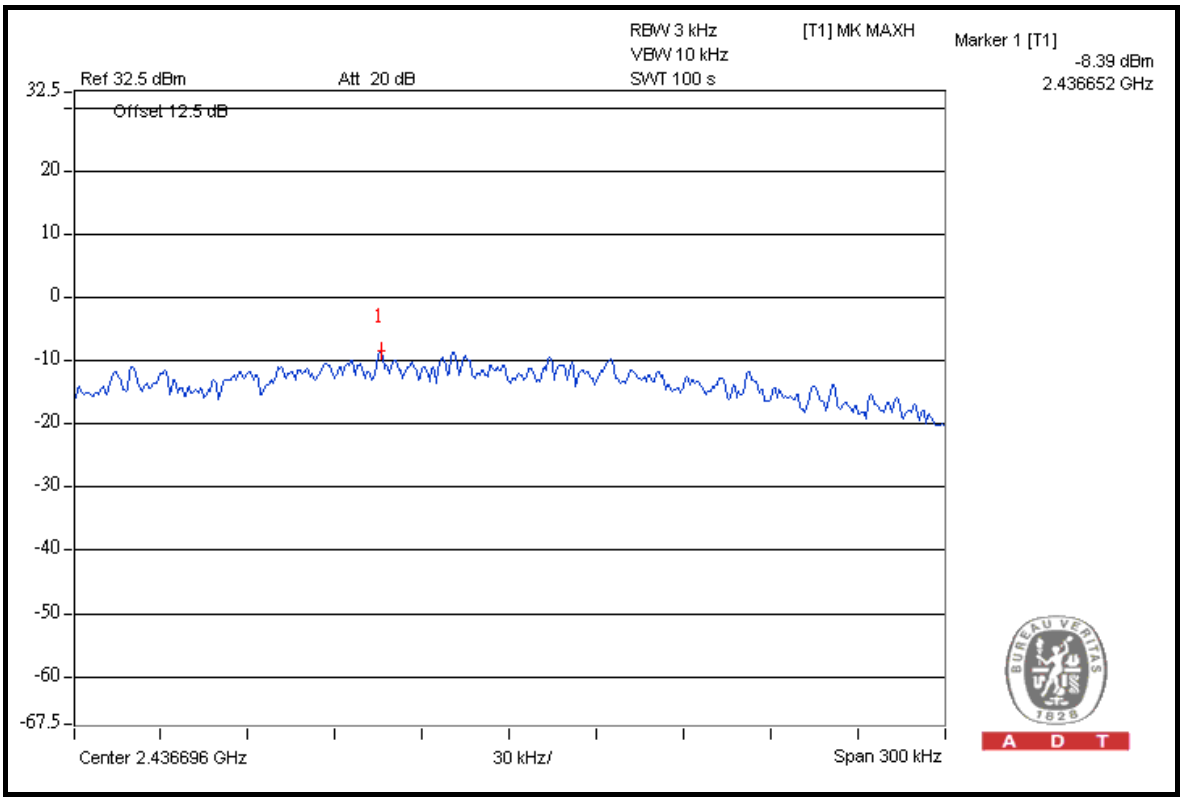
802.11n (20MHz): 2TX

ANT	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	-10.3	3.01	-7.3	8	PASS
	6	2437	-8.4	3.01	-5.4	8	PASS
	11	2462	-9.9	3.01	-6.9	8	PASS

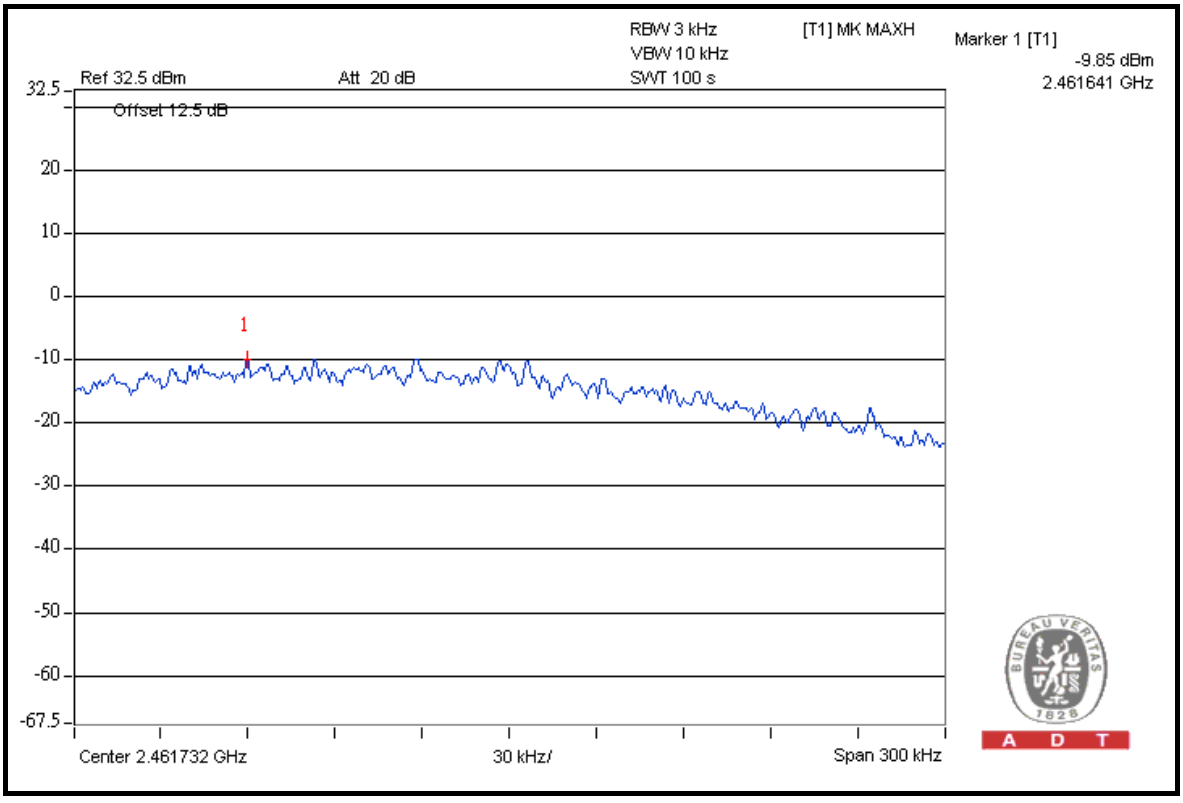
FOR ANT 0: CH 1



FOR ANT 0: CH 6



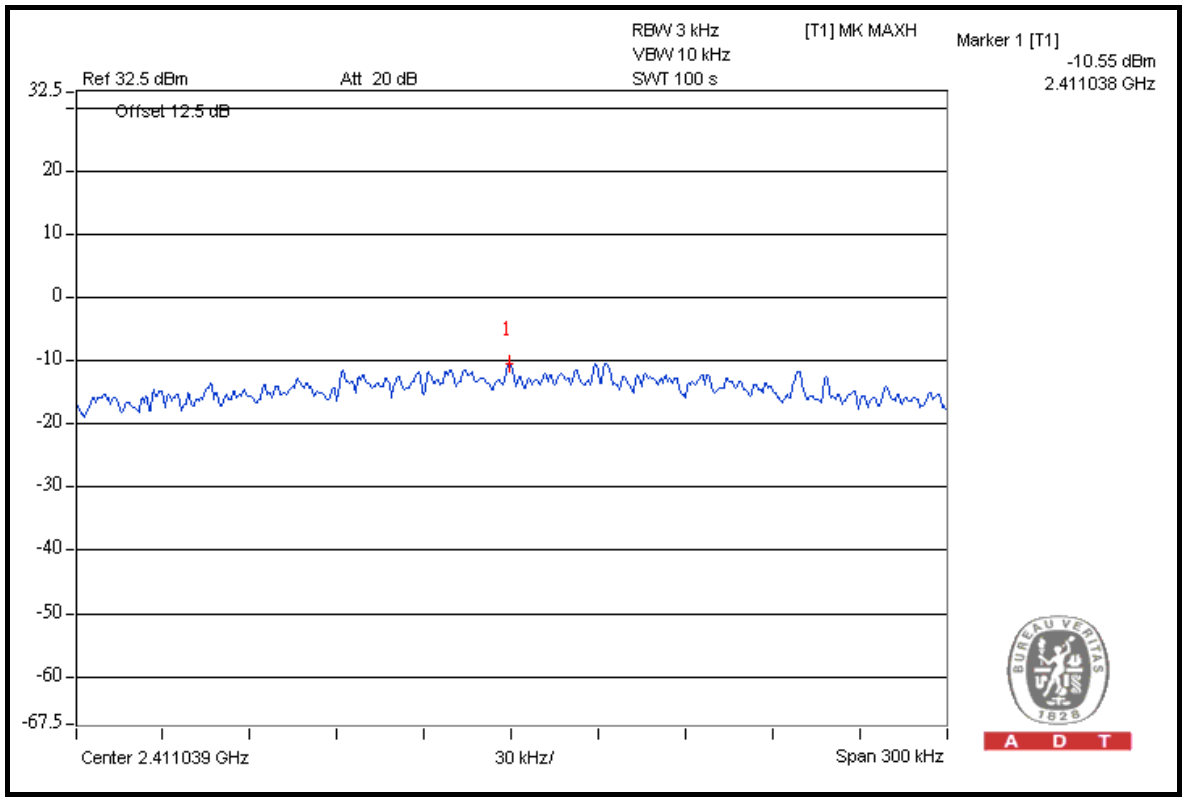
FOR ANT 0: CH 11



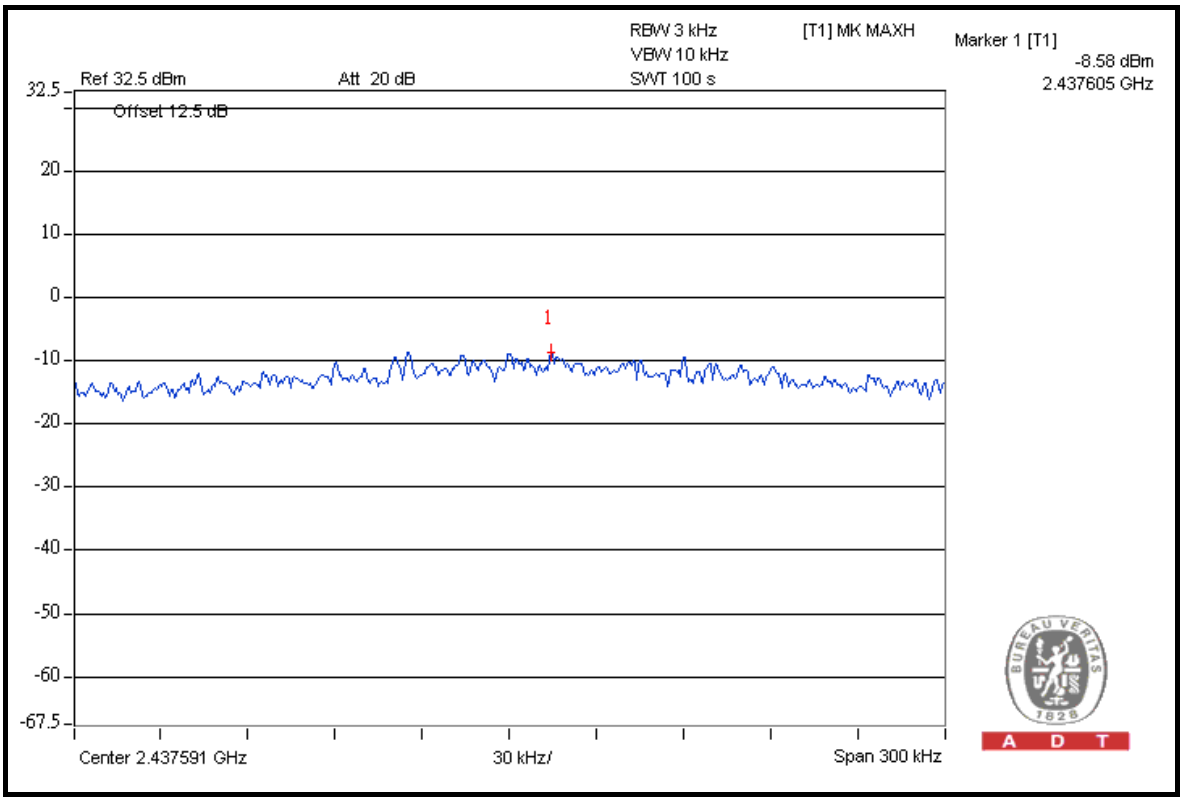
802.11n (20MHz): 2TX

ANT	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			
1	1	2412	-10.6	3.01	-7.6	8	PASS
	6	2437	-8.6	3.01	-5.6	8	PASS
	11	2462	-9.7	3.01	-6.7	8	PASS

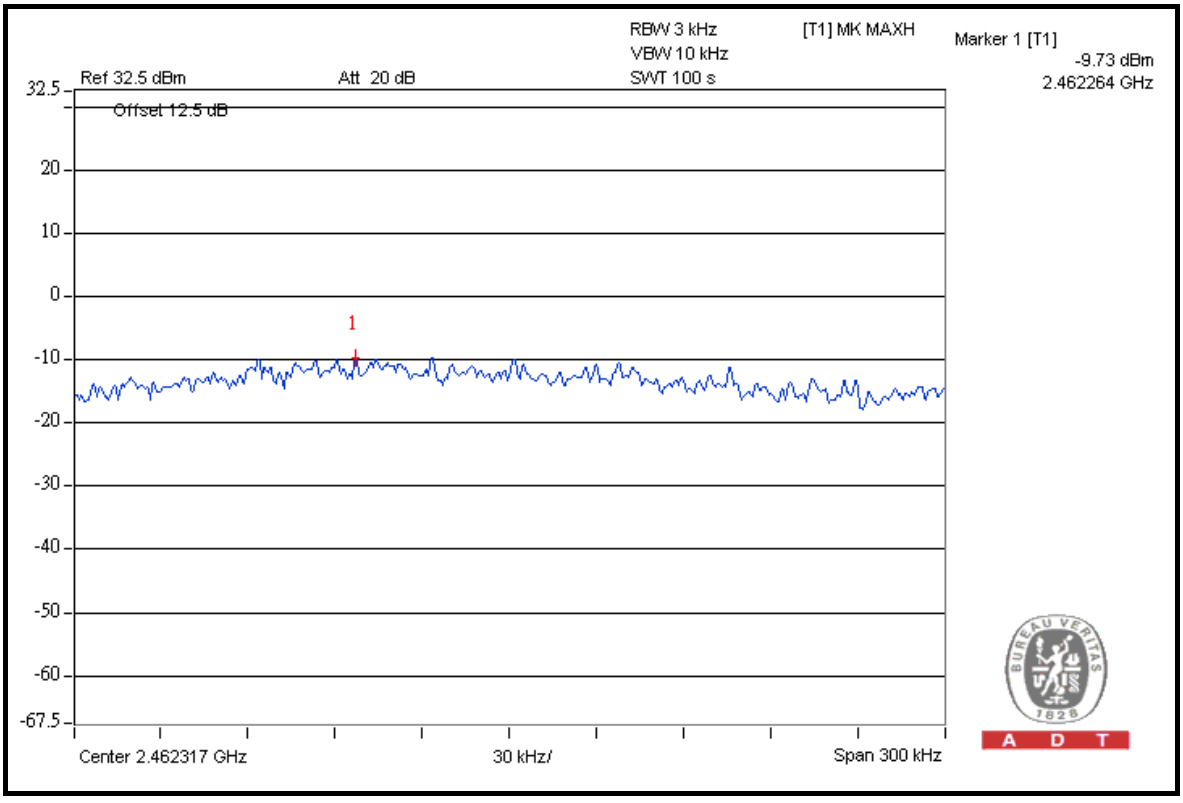
FOR ANT 1: CH 1



FOR ANT 1: CH 6



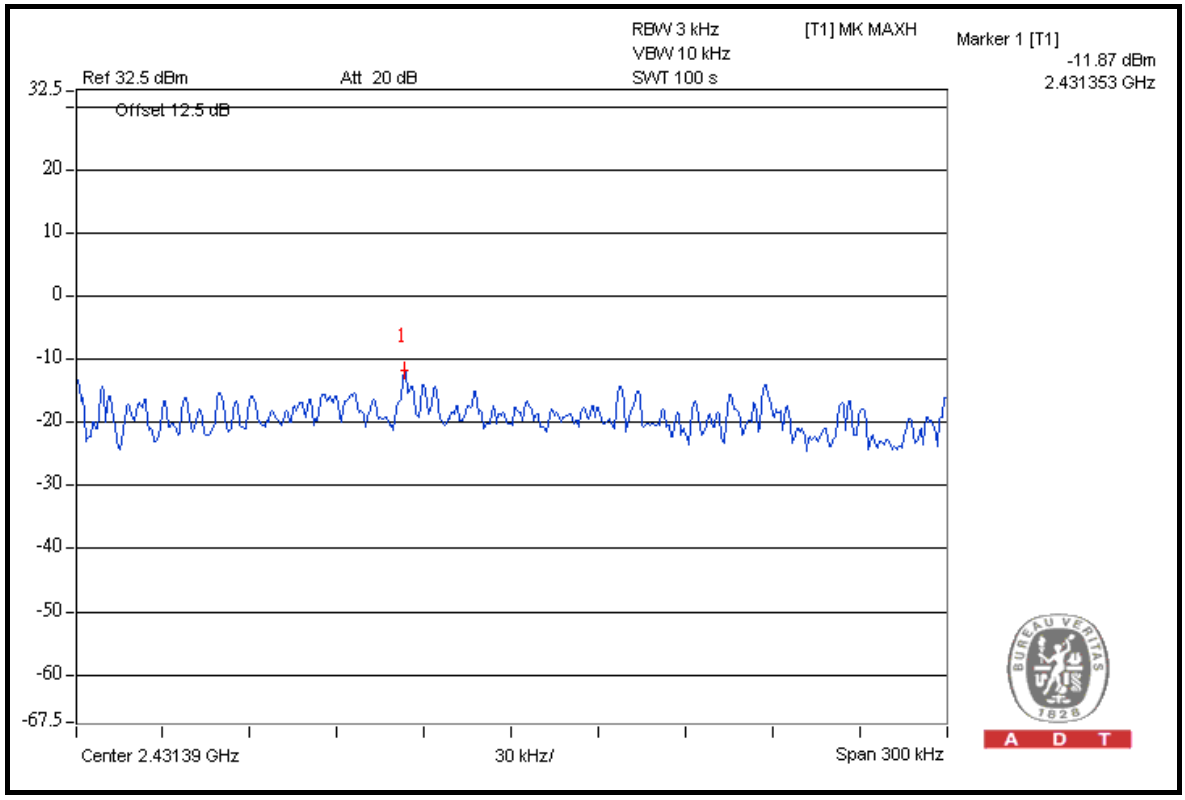
FOR ANT 1: CH 11



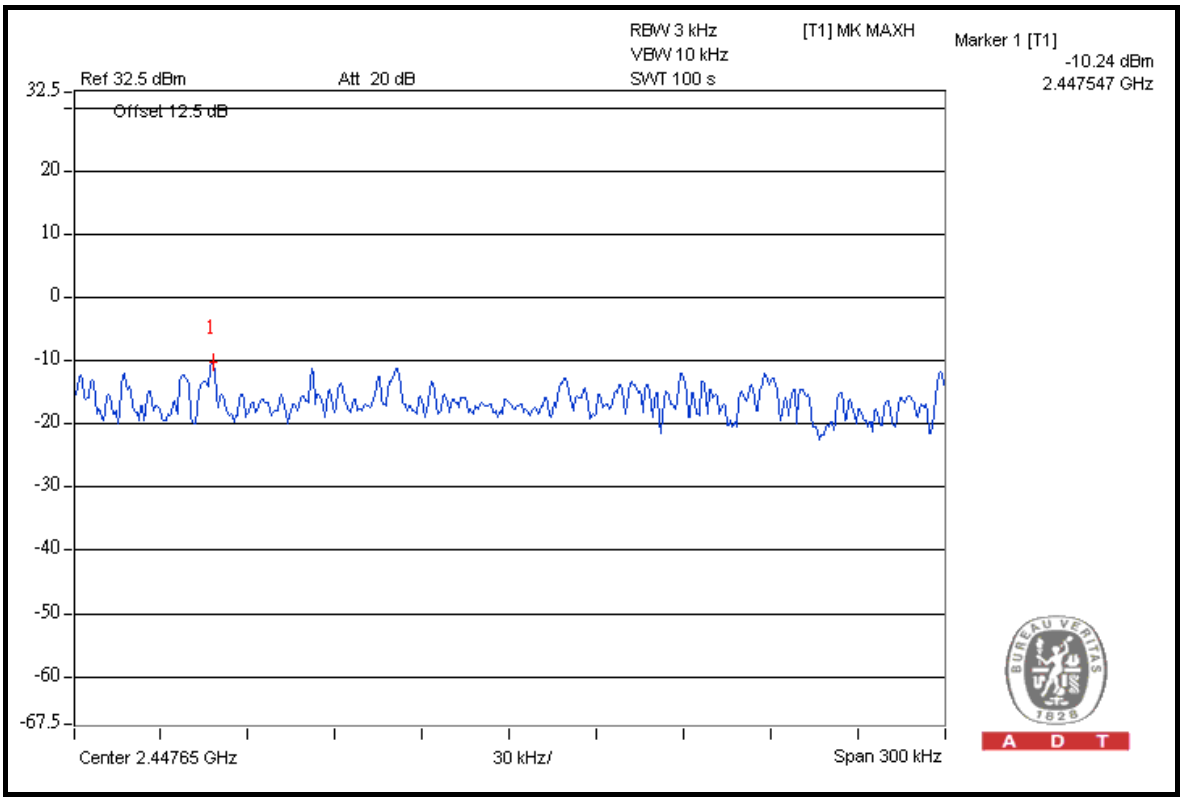
802.11n (40MHz): 1TX (Ant 0)

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
3	2422	-11.9	8	PASS
6	2437	-10.2	8	PASS
9	2452	-11.3	8	PASS

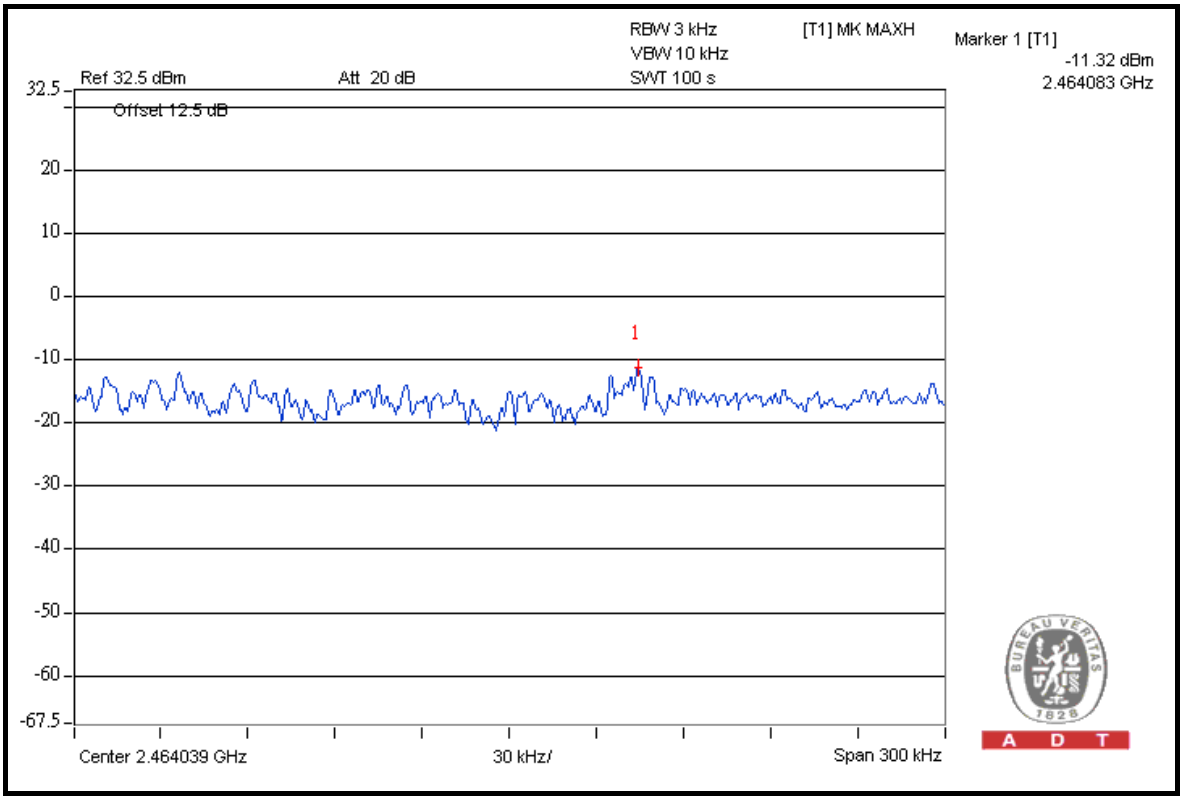
CH 3



CH 6


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-10.24 dBm
2.447547 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
1
Center 2.44765 GHz
30 kHz/
Span 300 kHz

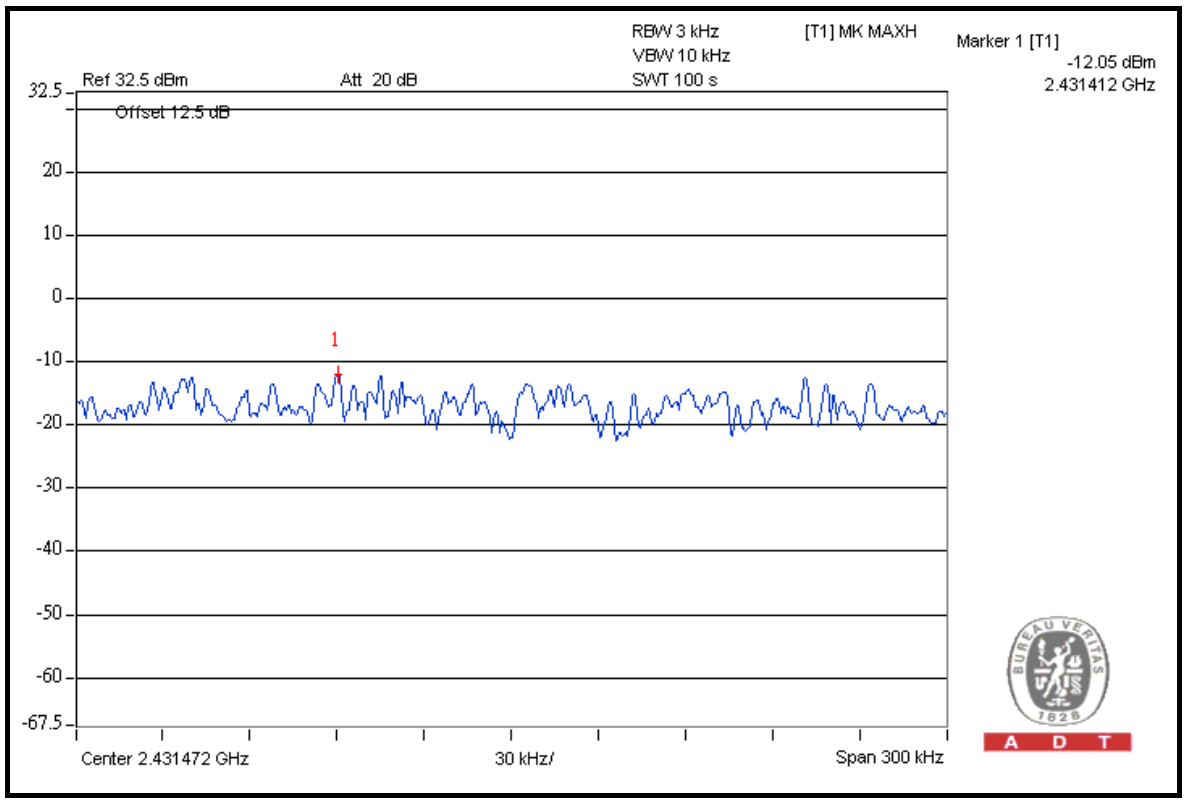
CH 9


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-11.32 dBm
2.464083 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
1
Center 2.464039 GHz
30 kHz/
Span 300 kHz

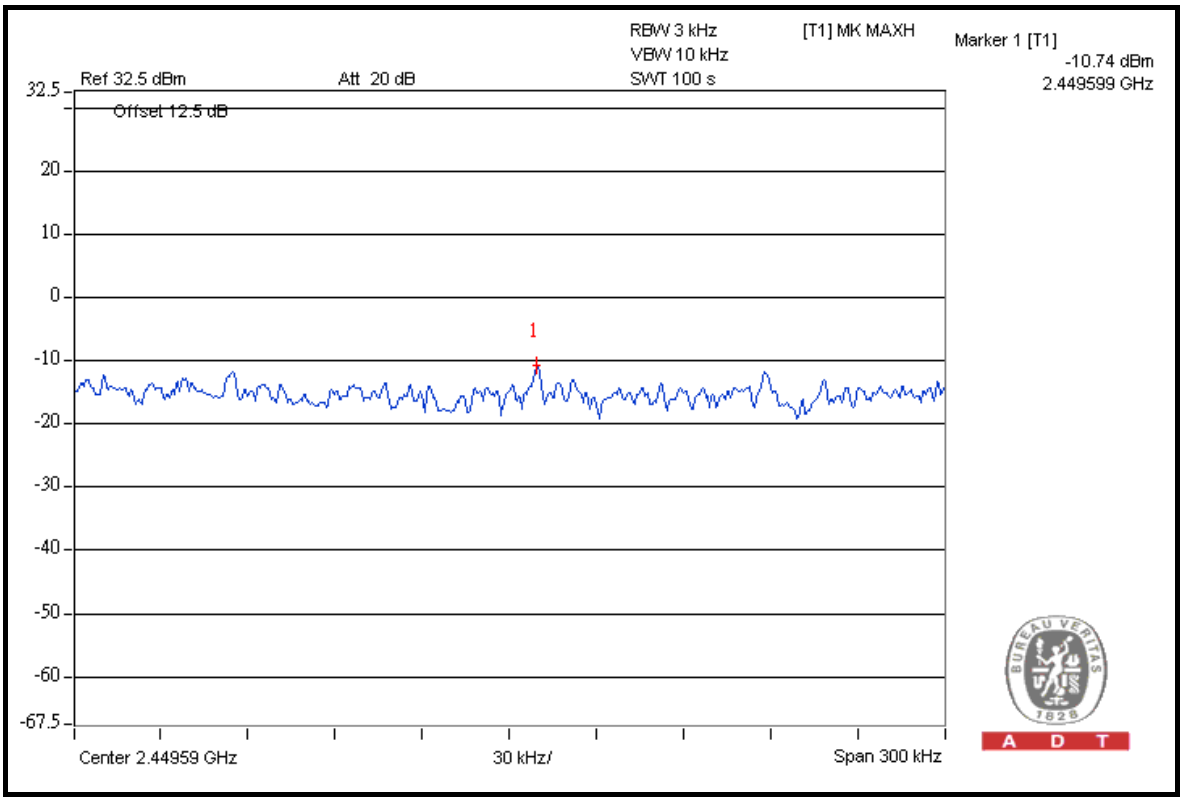
802.11n (40MHz): 1TX (Ant 1)

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
3	2422	-12.1	8	PASS
6	2437	-10.7	8	PASS
9	2452	-11.6	8	PASS

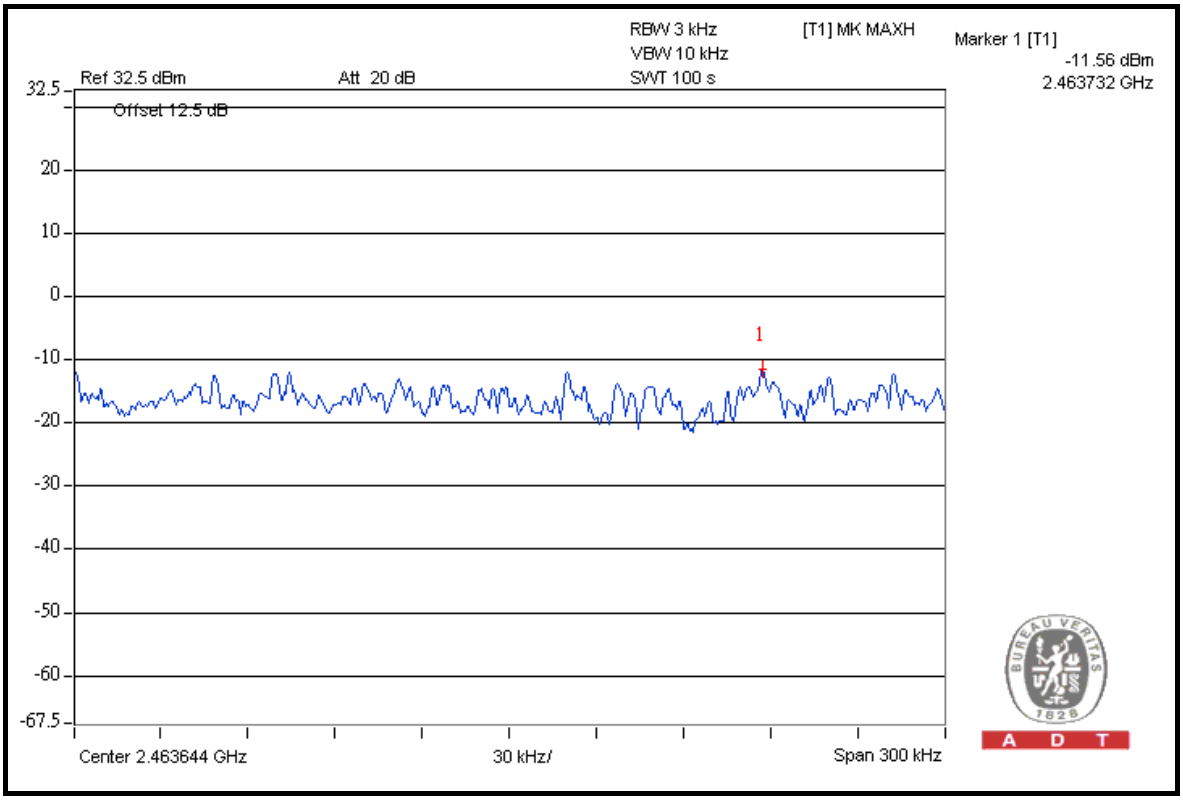
CH 3



CH 6


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-10.74 dBm
2.449599 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
1
Center 2.44959 GHz
30 kHz/
Span 300 kHz

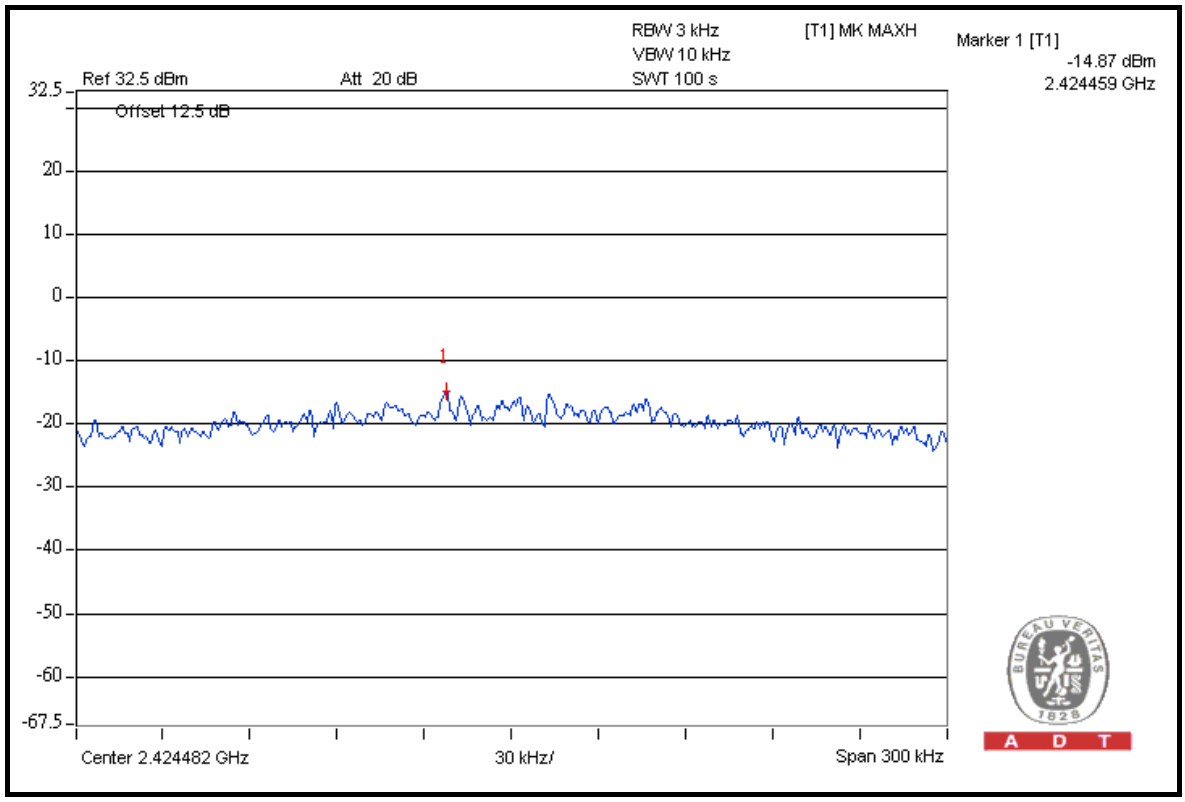
CH 9


RBW 3 kHz
VBW 10 kHz
SWT 100 s
[T1] MK MAXH
Marker 1 [T1]
-11.56 dBm
2.463732 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
1
Center 2.463644 GHz
30 kHz/
Span 300 kHz

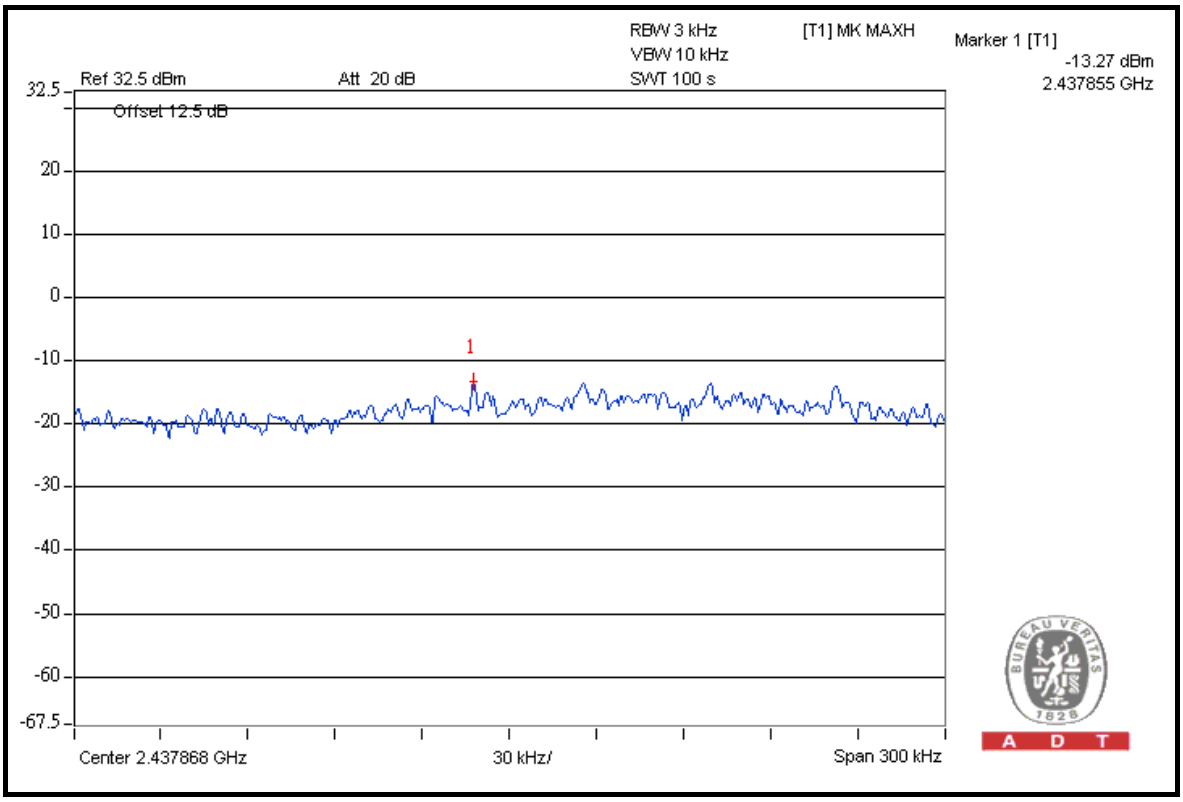
802.11n (40MHz): 2TX

ANT	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	3	2422	-14.9	3.01	-11.9	8	PASS
	6	2437	-13.3	3.01	-10.3	8	PASS
	9	2452	-14.7	3.01	-11.7	8	PASS

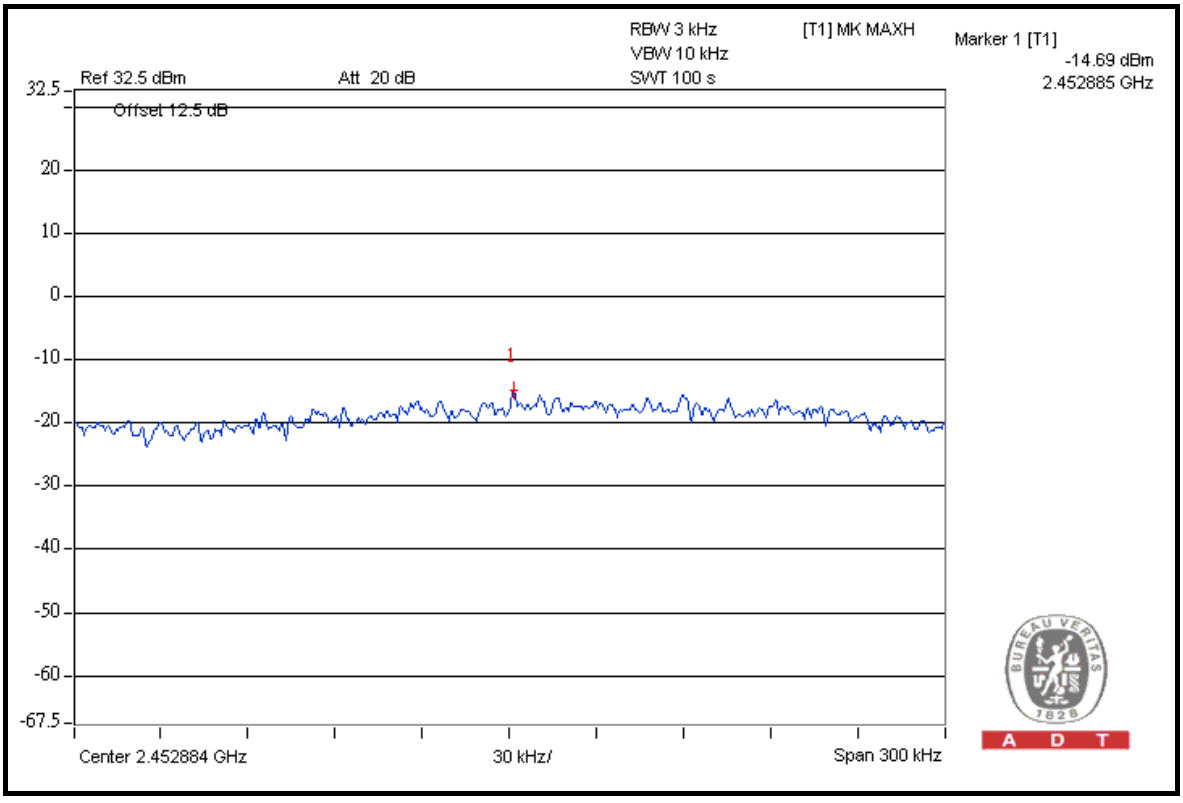
FOR ANT 0: CH 3



FOR ANT 0: CH 6



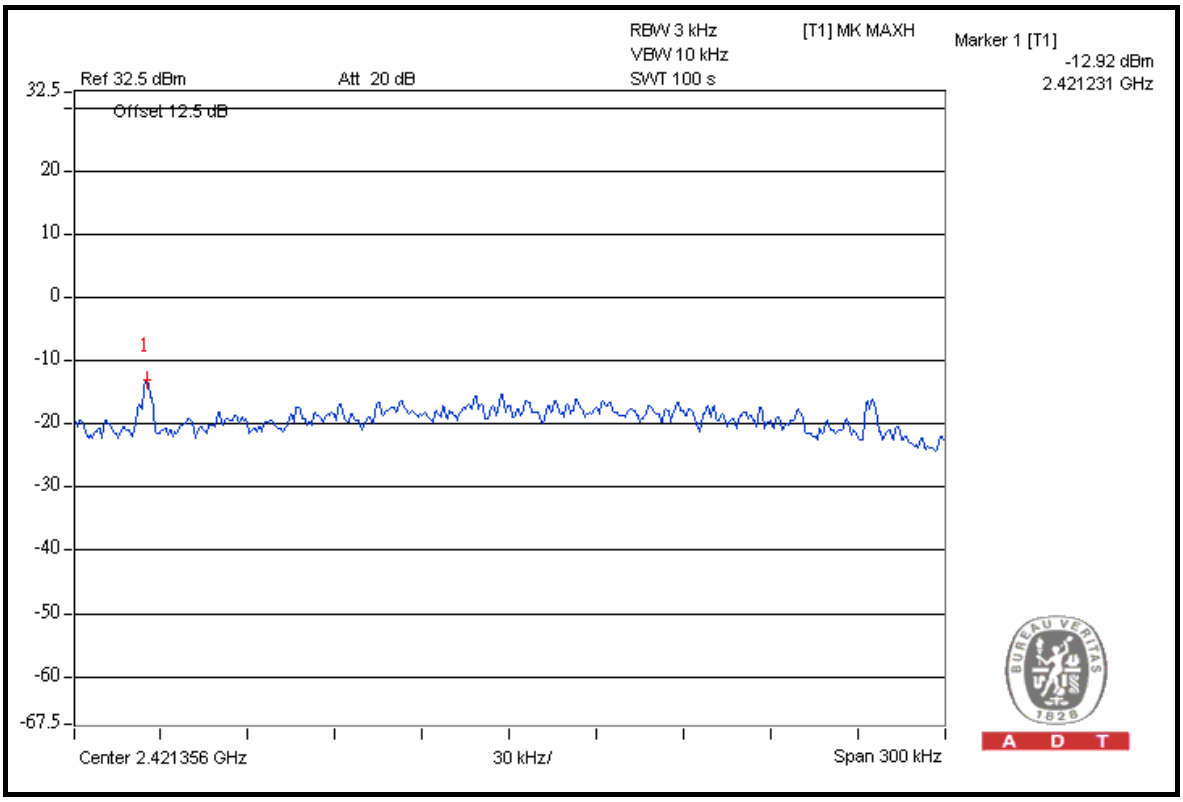
FOR ANT 0: CH 9



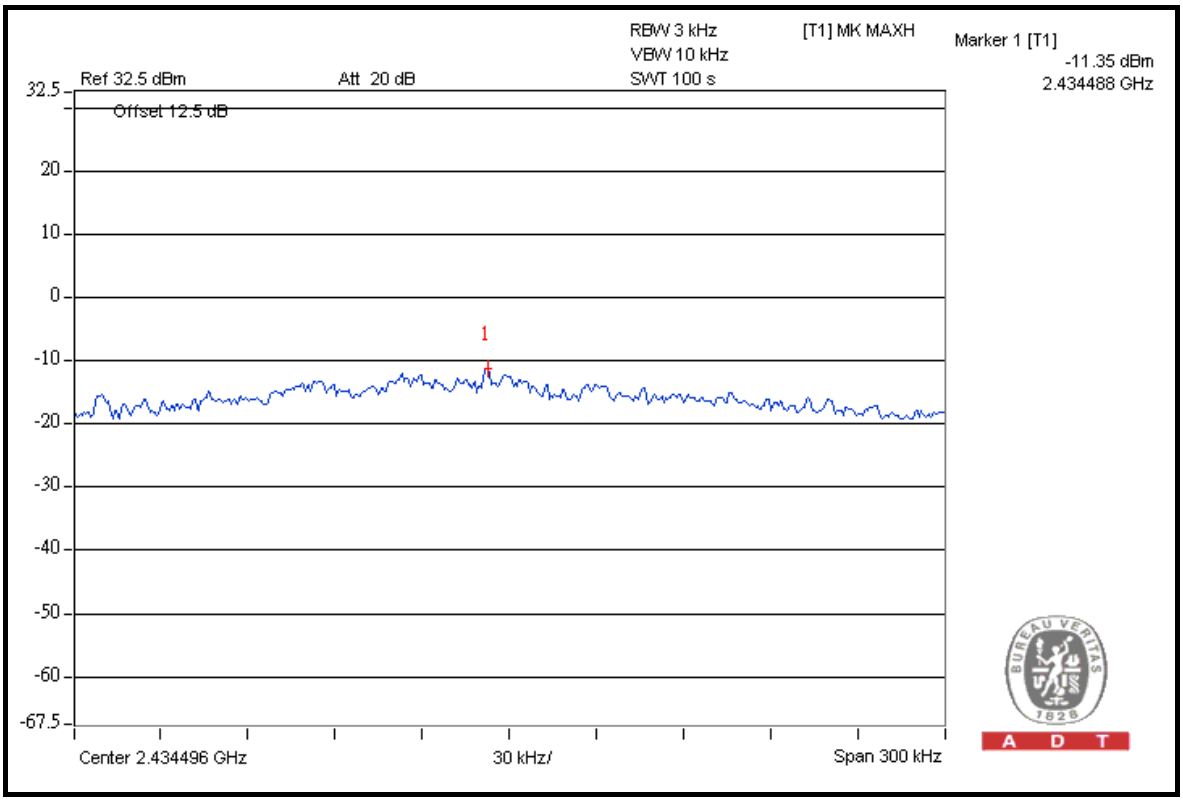
802.11n (40MHz): 2TX

ANT	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			
1	3	2422	-12.9	3.01	-9.9	8	PASS
	6	2437	-11.4	3.01	-8.4	8	PASS
	9	2452	-12.9	3.01	-9.9	8	PASS

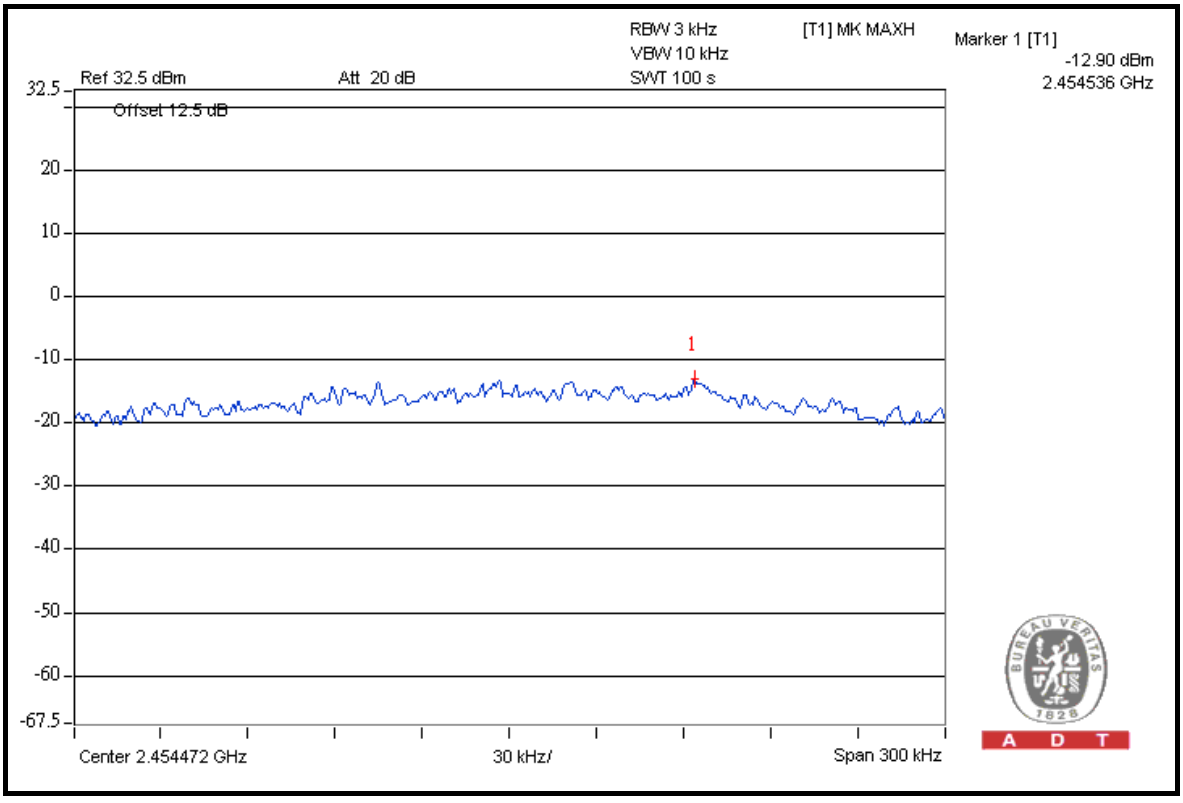
FOR ANT 1: CH 3



FOR ANT 1: CH 6



FOR ANT 1: CH 9



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	100039	Feb. 23, 2011	Feb. 22, 2012
FOR RADIATED MEASUREMENT				
Test Receiver ROHDE & SCHWARZ	ESIB7	100212	Jul. 22, 2010	Jul. 21, 2011
Spectrum Analyzer Agilent	E4446A	MY48250266	Aug. 11, 2010	Aug. 10, 2011
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Apr. 13, 2011	Apr. 12, 2012
HORN Antenna SCHWARZBECK	9120D	9120D-405	Feb. 08, 2011	Feb. 07, 2012
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170243	Dec. 27, 2010	Dec. 26, 2011
Preamplifier Agilent	8447D	2944A10633	Nov. 02, 2010	Nov. 01, 2011
Preamplifier Agilent	8449B	3008A01964	Nov. 02, 2010	Nov. 01, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	238141/4	May 14, 2010	May 13, 2011
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	12738/6	May 14, 2010	May 13, 2011
Software ADT.	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA	NA
Turn Table ADT.	TT100.	TT93021703	NA	NA
Turn Table Controller ADT.	SC100.	SC93021703	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: 1TX (Ant 0)

RESTRICT BAND (2310 ~ 2390 MHz)

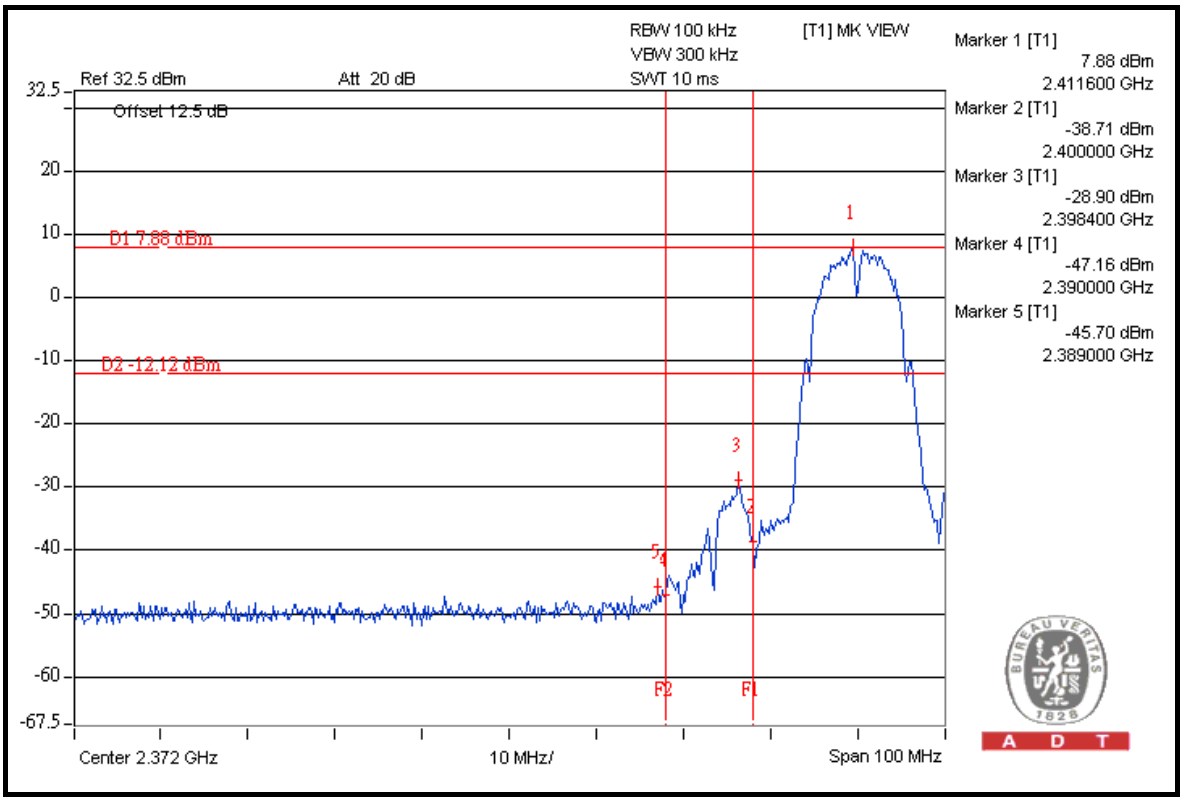
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	107.50	53.58	53.92	74.00
2412.00 (AV)	102.20	54.27	47.93	54.00

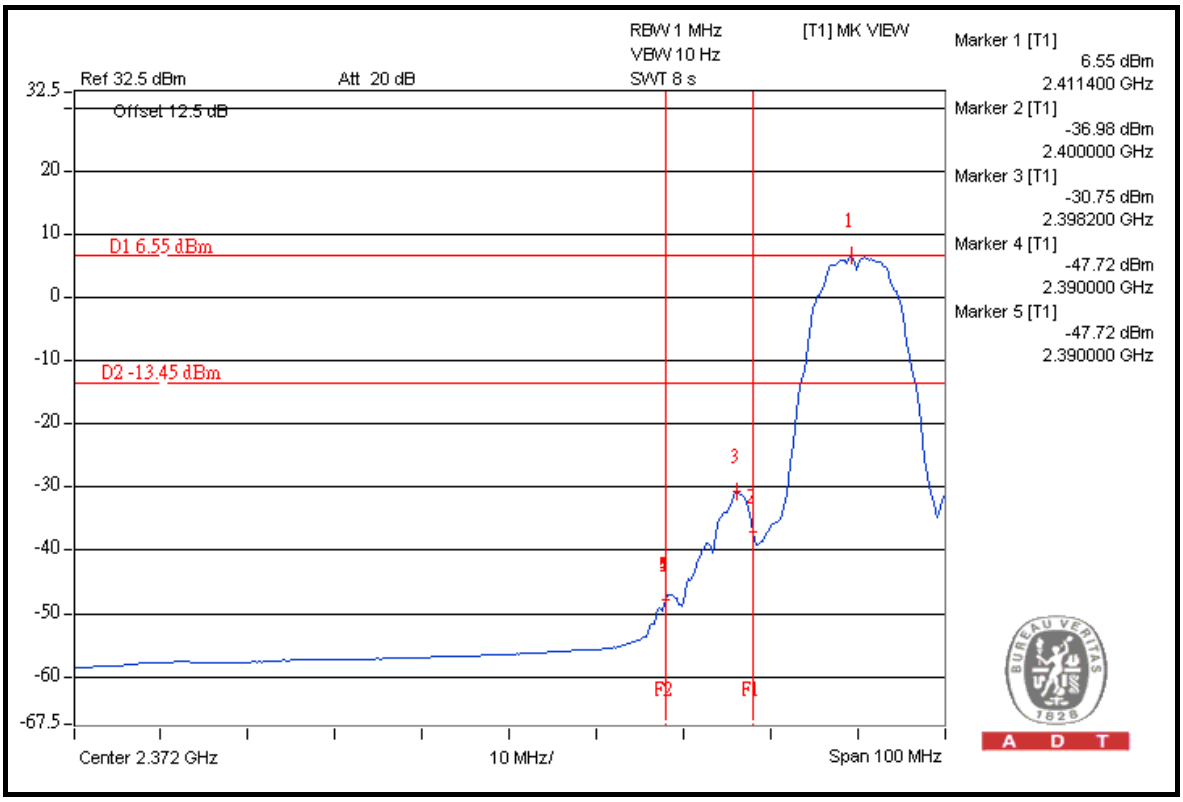
RESTRICT BAND (2483.5 ~ 2500 MHz)

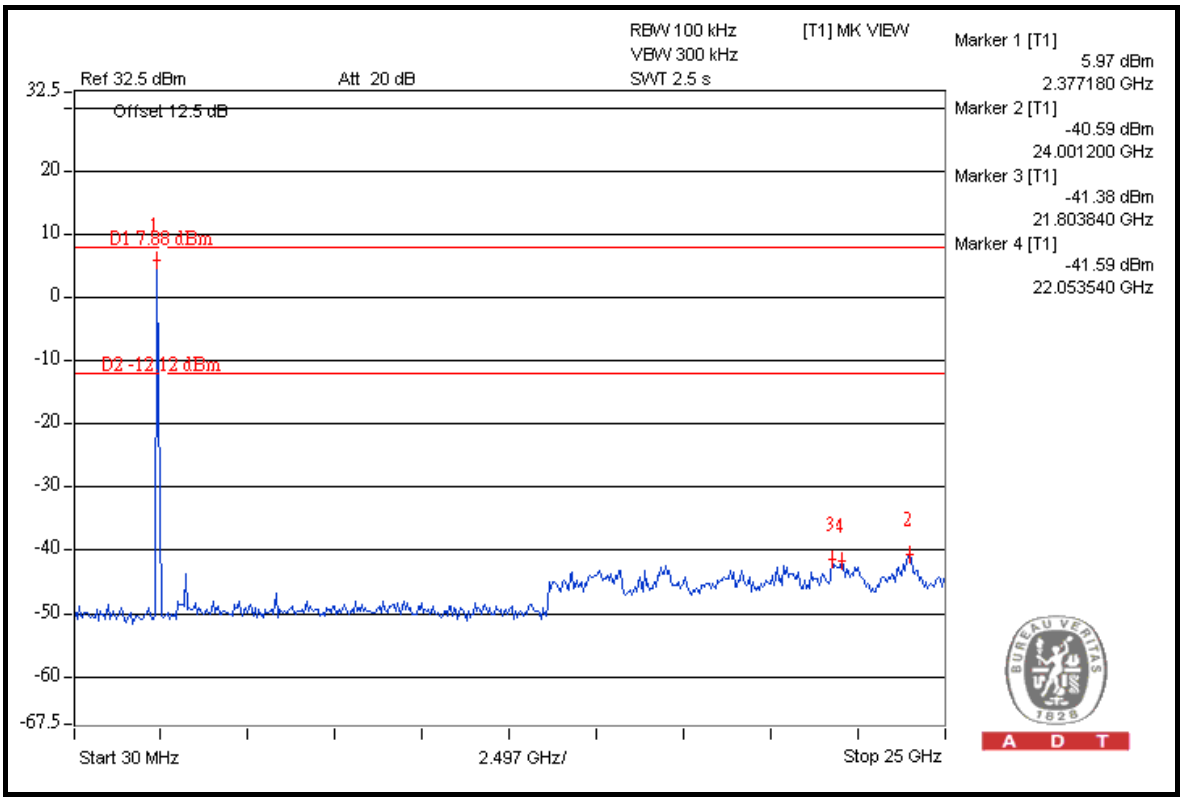
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	106.60	49.94	56.66	74.00
2462.00 (AV)	101.40	51.07	50.33	54.00

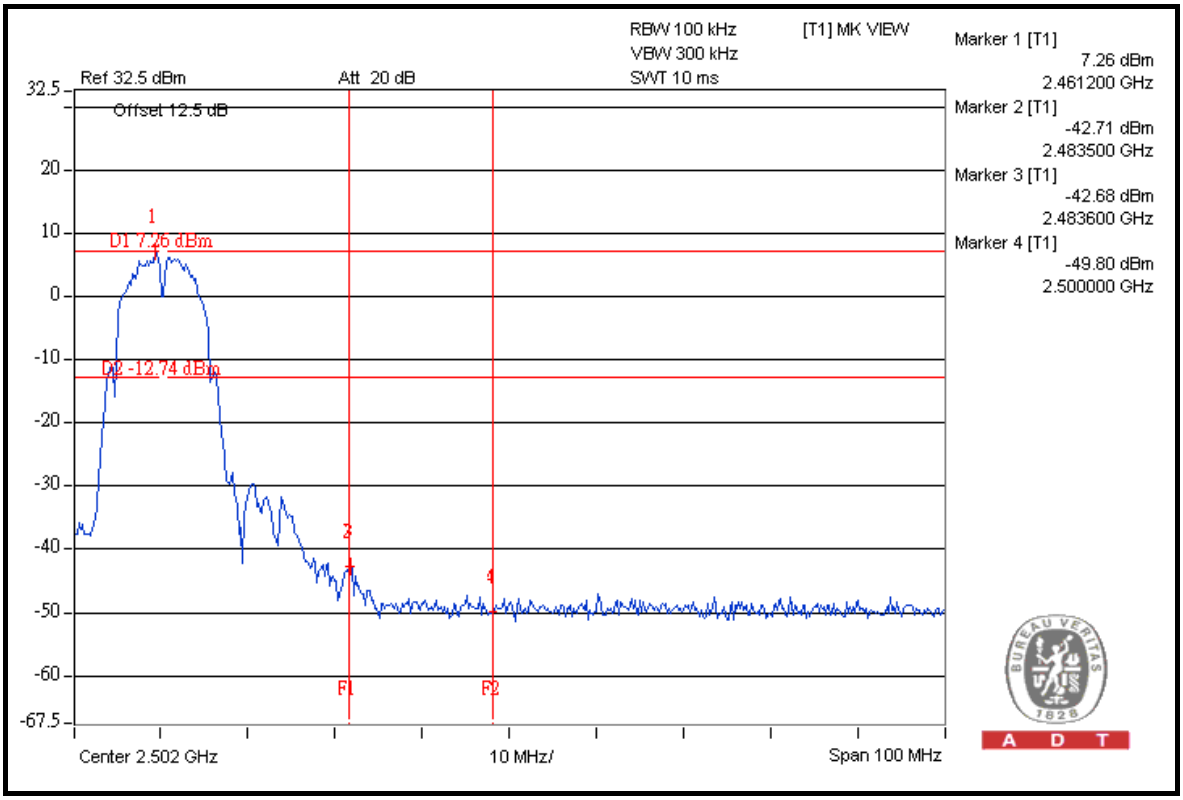
NOTE:

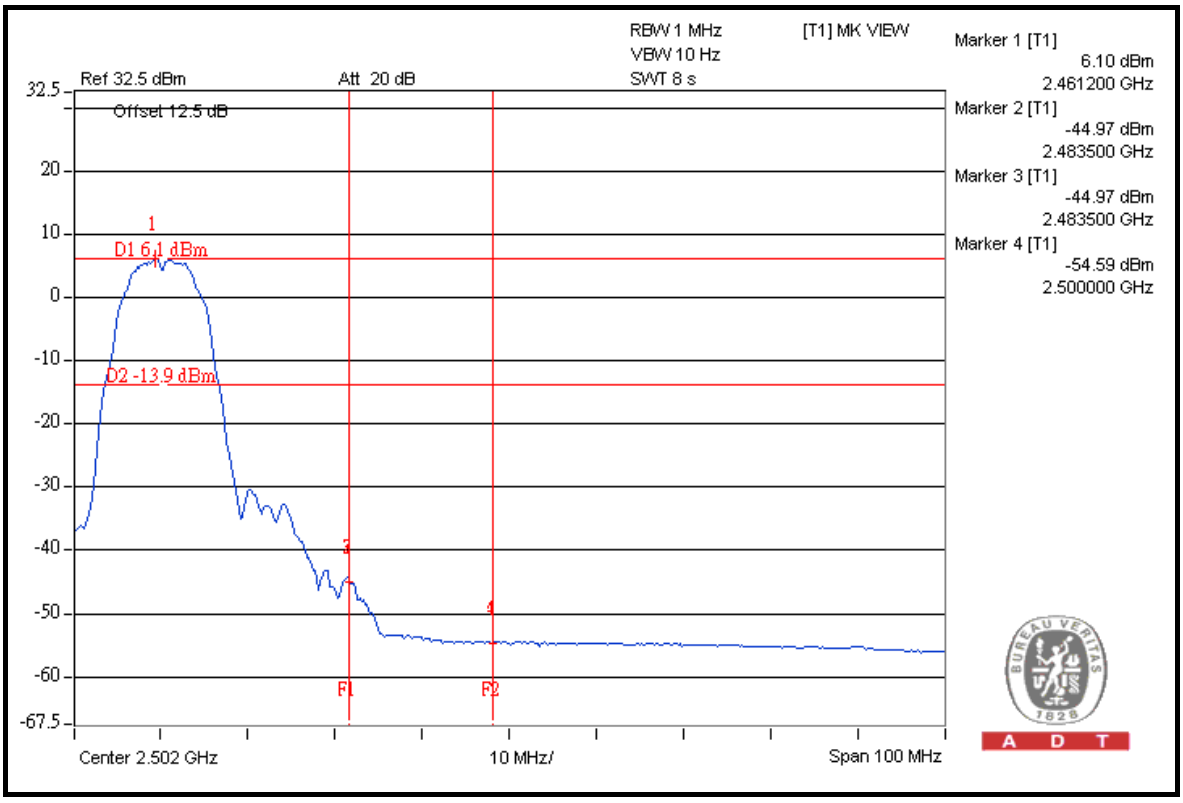
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

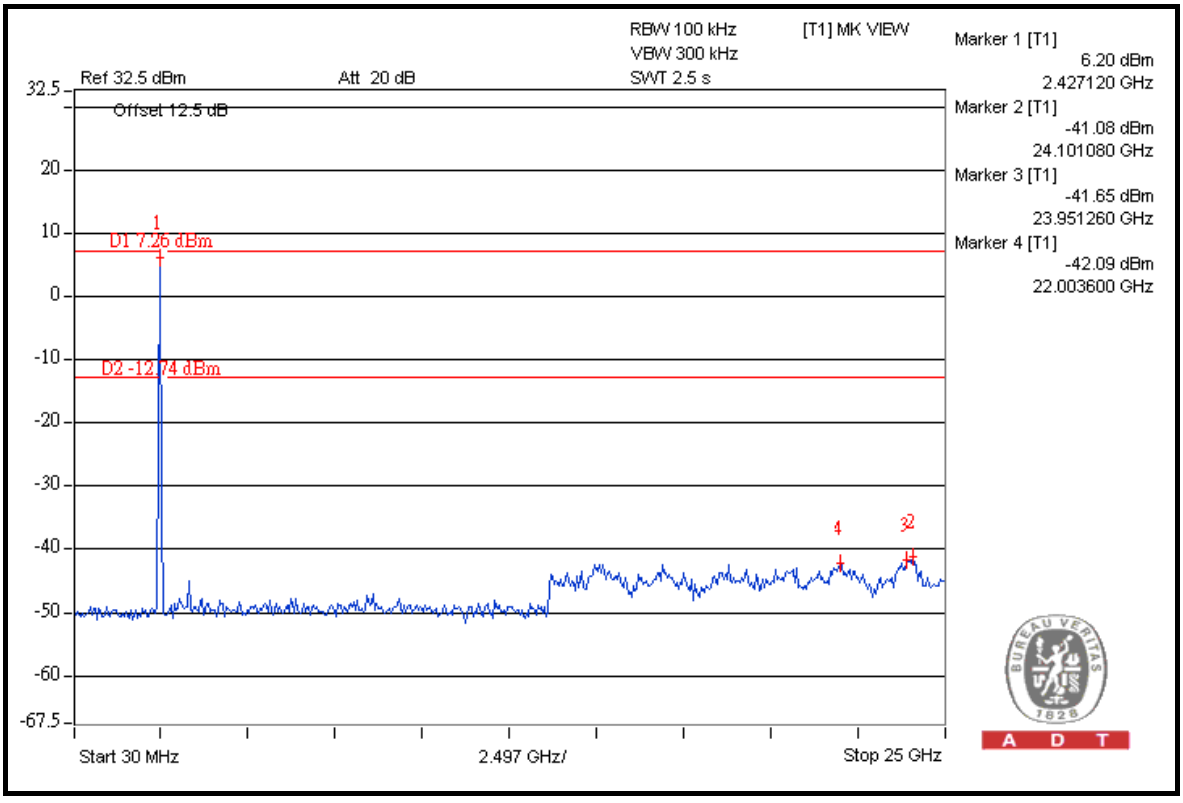

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 7.88 dBm
D2 -12.12 dBm
Marker 1 [T1]
7.88 dBm
2.411600 GHz
Marker 2 [T1]
-38.71 dBm
2.400000 GHz
Marker 3 [T1]
-28.90 dBm
2.398400 GHz
Marker 4 [T1]
-47.16 dBm
2.390000 GHz
Marker 5 [T1]
-45.70 dBm
2.389000 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 6.55 dBm
D2 -13.45 dBm
Marker 1 [T1]
6.55 dBm
2.411400 GHz
Marker 2 [T1]
-36.98 dBm
2.400000 GHz
Marker 3 [T1]
-30.75 dBm
2.398200 GHz
Marker 4 [T1]
-47.72 dBm
2.390000 GHz
Marker 5 [T1]
-47.72 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 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 7.86 dBm
D2 -12.12 dBm
Marker 1 [T1]
5.97 dBm
2.377180 GHz
Marker 2 [T1]
-40.59 dBm
24.001200 GHz
Marker 3 [T1]
-41.38 dBm
21.803840 GHz
Marker 4 [T1]
-41.59 dBm
22.053540 GHz
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 7.26 dBm
D2 -12.74 dBm
Marker 1 [T1]
7.26 dBm
2.461200 GHz
Marker 2 [T1]
-42.71 dBm
2.483500 GHz
Marker 3 [T1]
-42.68 dBm
2.483600 GHz
Marker 4 [T1]
-49.80 dBm
2.500000 GHz
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Marker 1 [T1]
6.10 dBm
2.461200 GHz
Marker 2 [T1]
-44.97 dBm
2.483500 GHz
Marker 3 [T1]
-44.97 dBm
2.483500 GHz
Marker 4 [T1]
-54.59 dBm
2.500000 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 6.1 dBm
D2 -13.9 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
Marker 1 [T1]
6.20 dBm
2.427120 GHz
Marker 2 [T1]
-41.08 dBm
24.101080 GHz
Marker 3 [T1]
-41.65 dBm
23.951260 GHz
Marker 4 [T1]
-42.09 dBm
22.003600 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 7.26 dBm
D2 -12.74 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

802.11b: 1TX (Ant 1)

RESTRICT BAND (2310 ~ 2390 MHz)

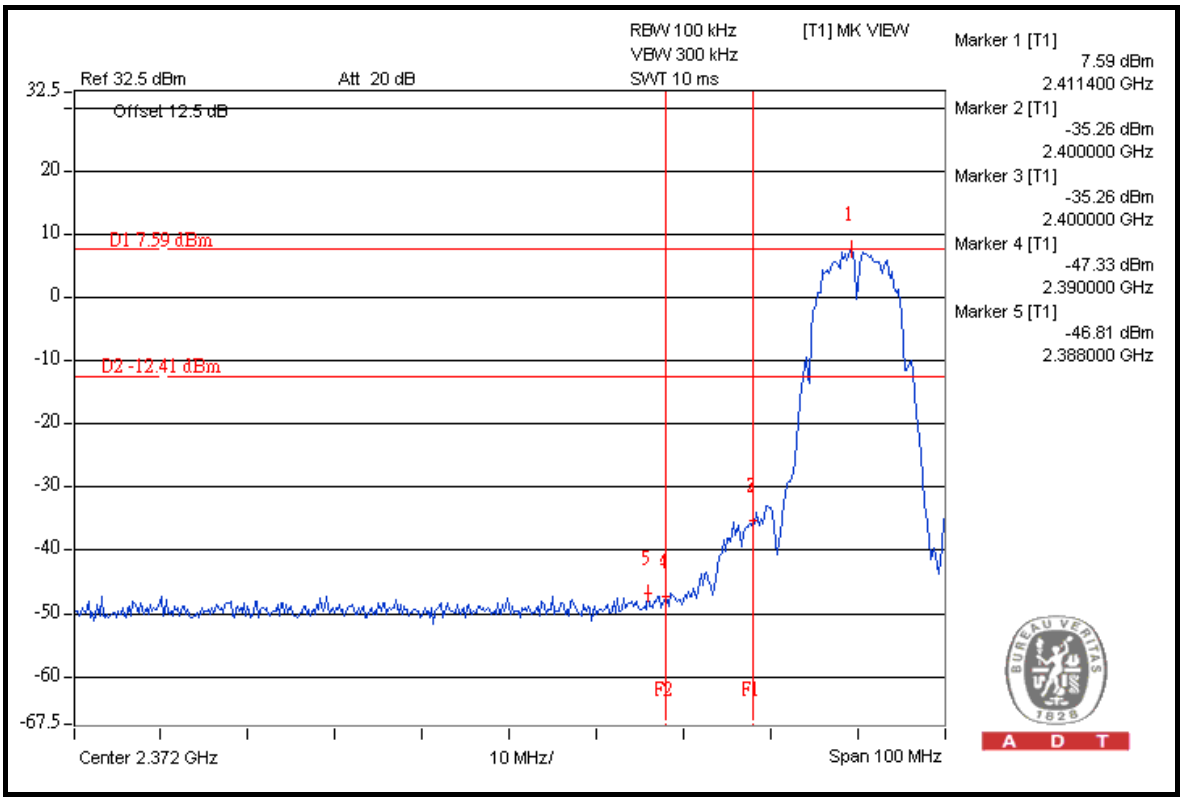
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	106.80	54.40	52.40	74.00
2412.00 (AV)	101.40	58.28	43.12	54.00

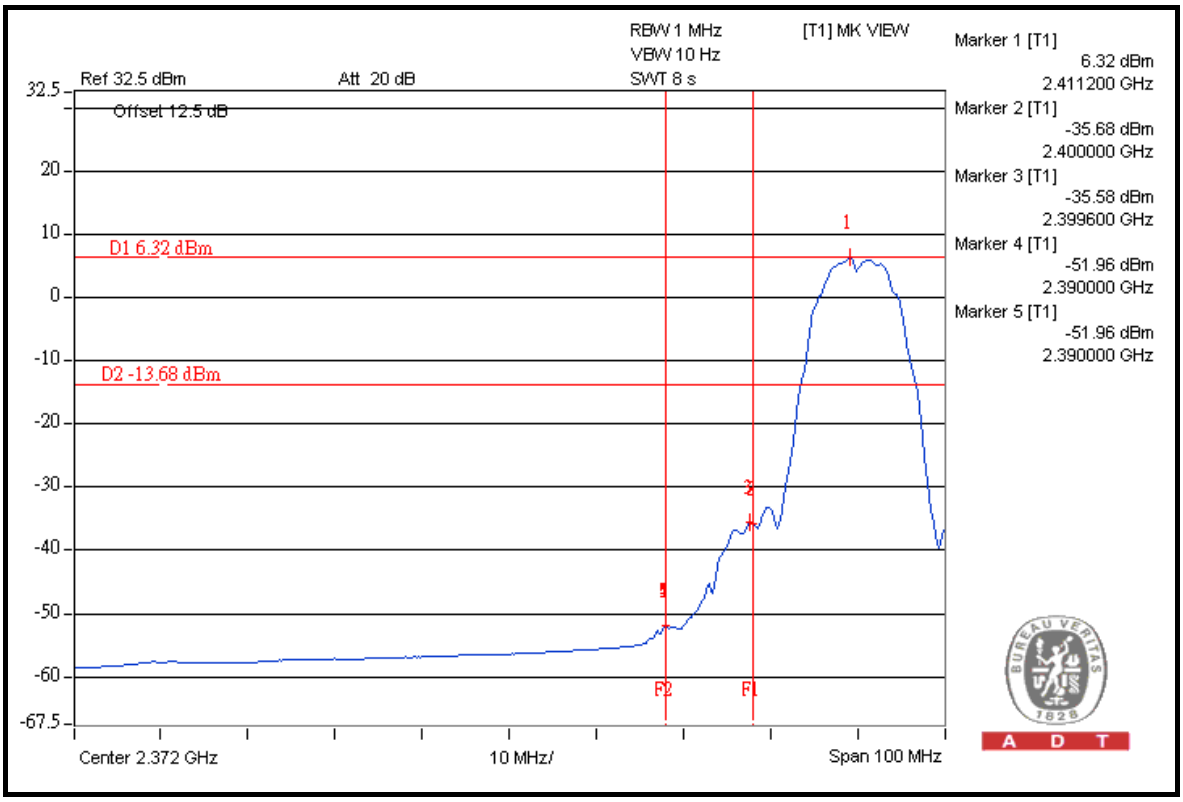
RESTRICT BAND (2483.5 ~ 2500 MHz)

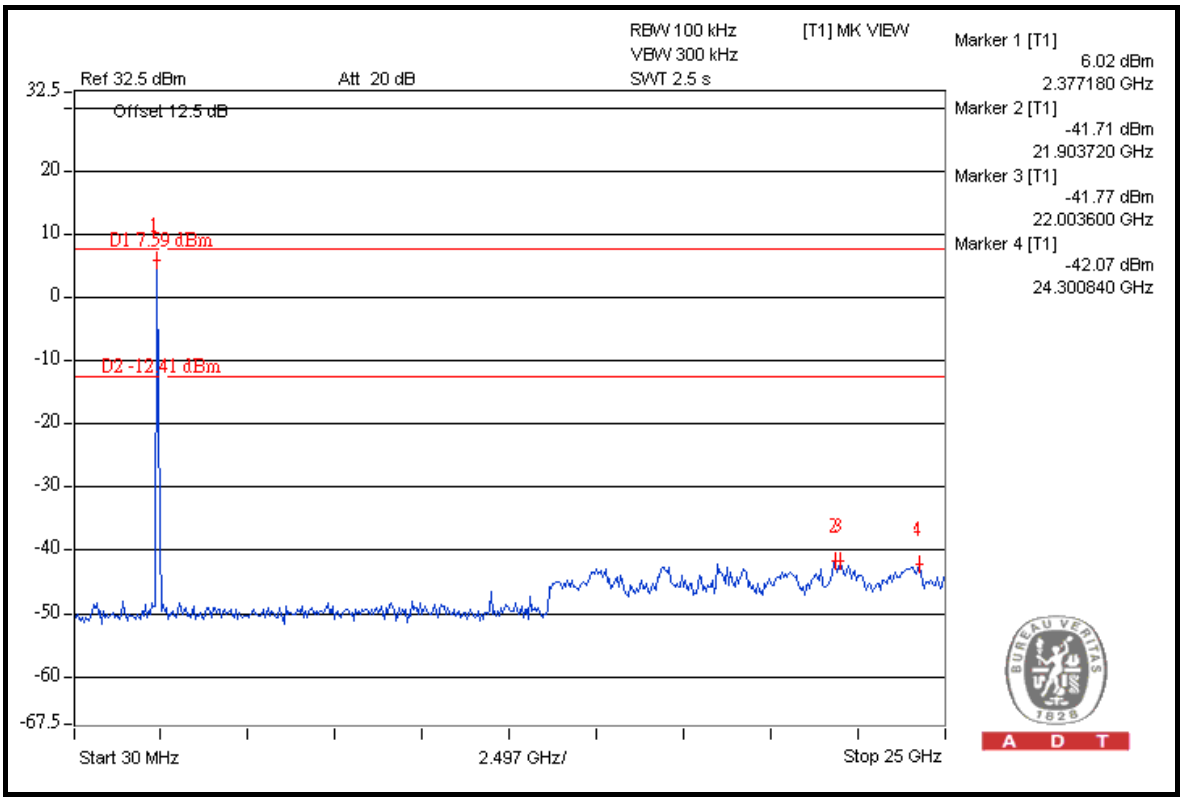
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	105.60	52.79	52.81	74.00
2462.00 (AV)	100.20	56.96	43.24	54.00

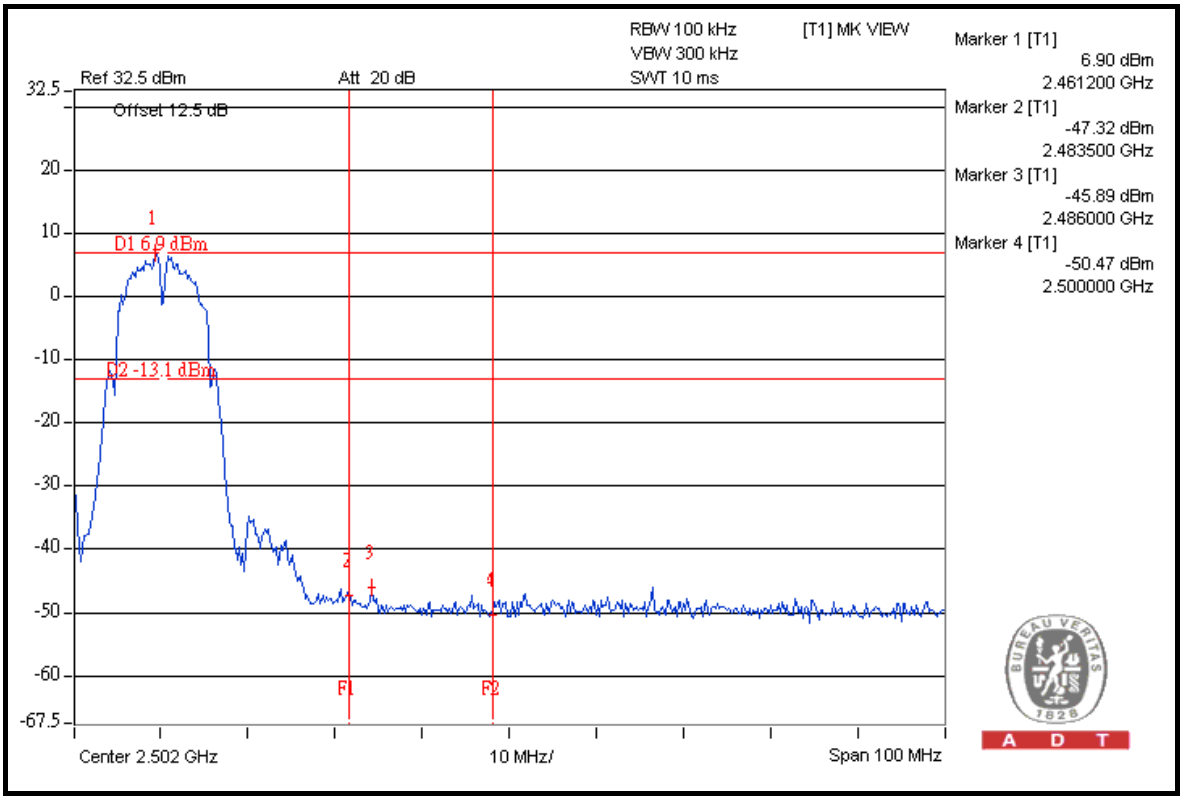
NOTE:

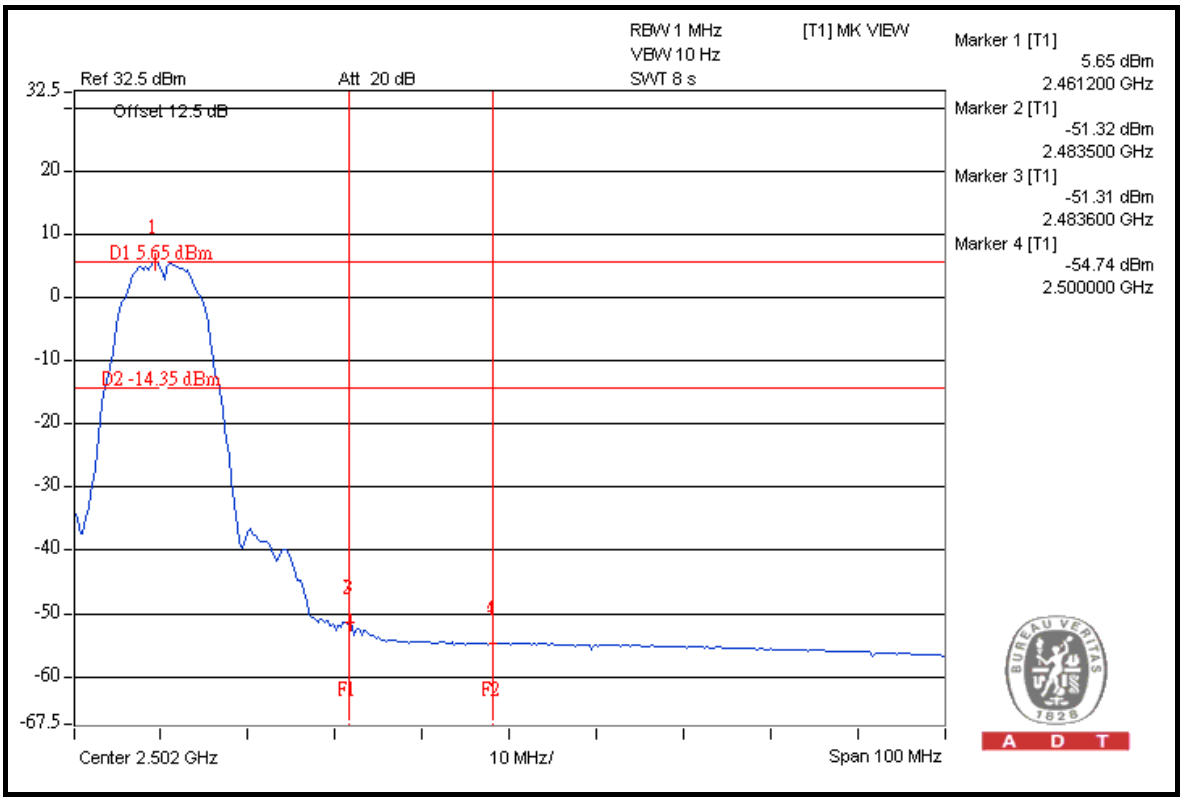
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

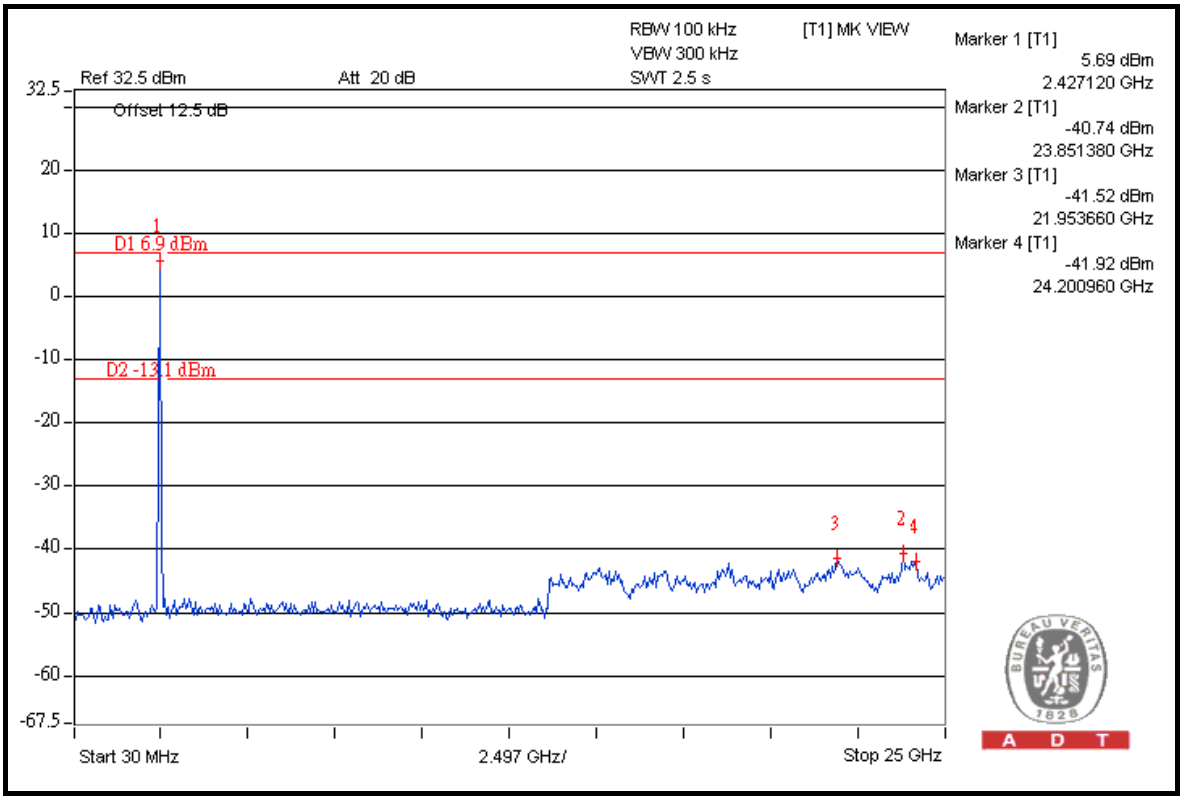

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 7.59 dBm
D2 -12.41 dBm
Marker 1 [T1]
7.59 dBm
2.411400 GHz
Marker 2 [T1]
-35.26 dBm
2.400000 GHz
Marker 3 [T1]
-35.26 dBm
2.400000 GHz
Marker 4 [T1]
-47.33 dBm
2.390000 GHz
Marker 5 [T1]
-46.81 dBm
2.388000 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 6.32 dBm
D2 -13.68 dBm
Marker 1 [T1]
6.32 dBm
2.411200 GHz
Marker 2 [T1]
-35.68 dBm
2.400000 GHz
Marker 3 [T1]
-35.58 dBm
2.399600 GHz
Marker 4 [T1]
-51.96 dBm
2.390000 GHz
Marker 5 [T1]
-51.96 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 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 7.59 dBm
D2 -12.41 dBm
Marker 1 [T1]
6.02 dBm
2.377180 GHz
Marker 2 [T1]
-41.71 dBm
21.903720 GHz
Marker 3 [T1]
-41.77 dBm
22.003600 GHz
Marker 4 [T1]
-42.07 dBm
24.300840 GHz
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 6.9 dBm
D2 -13.1 dBm
Marker 1 [T1]
6.90 dBm
2.461200 GHz
Marker 2 [T1]
-47.32 dBm
2.483500 GHz
Marker 3 [T1]
-45.89 dBm
2.486000 GHz
Marker 4 [T1]
-50.47 dBm
2.500000 GHz
F1
F2
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Marker 1 [T1]
5.65 dBm
2.461200 GHz
Marker 2 [T1]
-51.32 dBm
2.483500 GHz
Marker 3 [T1]
-51.31 dBm
2.483600 GHz
Marker 4 [T1]
-54.74 dBm
2.500000 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 5.65 dBm
D2 -14.35 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
Marker 1 [T1]
5.69 dBm
2.427120 GHz
Marker 2 [T1]
-40.74 dBm
23.851380 GHz
Marker 3 [T1]
-41.52 dBm
21.953660 GHz
Marker 4 [T1]
-41.92 dBm
24.200960 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 6.9 dBm
D2 -13.1 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

802.11g: 1TX (Ant 0)

RESTRICT BAND (2310 ~ 2390 MHz)

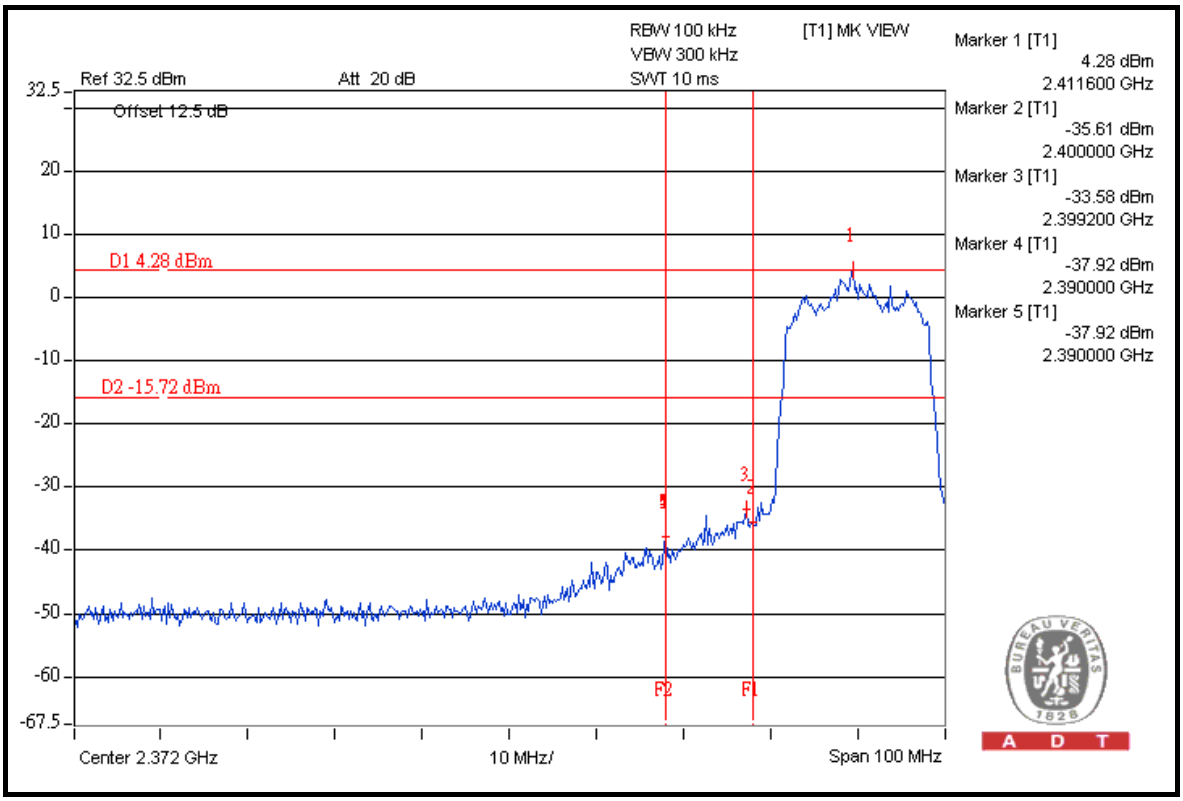
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	107.20	42.20	65.00	74.00
2412.00 (AV)	94.60	44.16	50.44	54.00

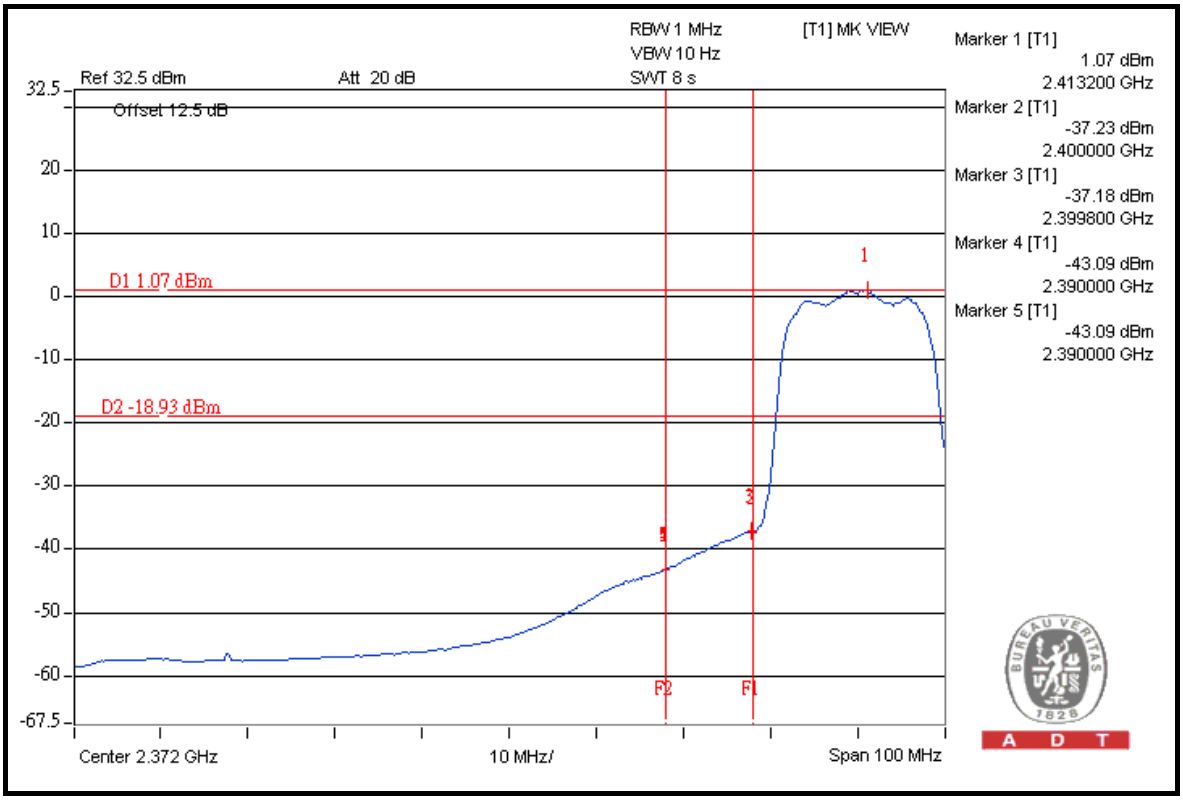
RESTRICT BAND (2483.5 ~ 2500 MHz)

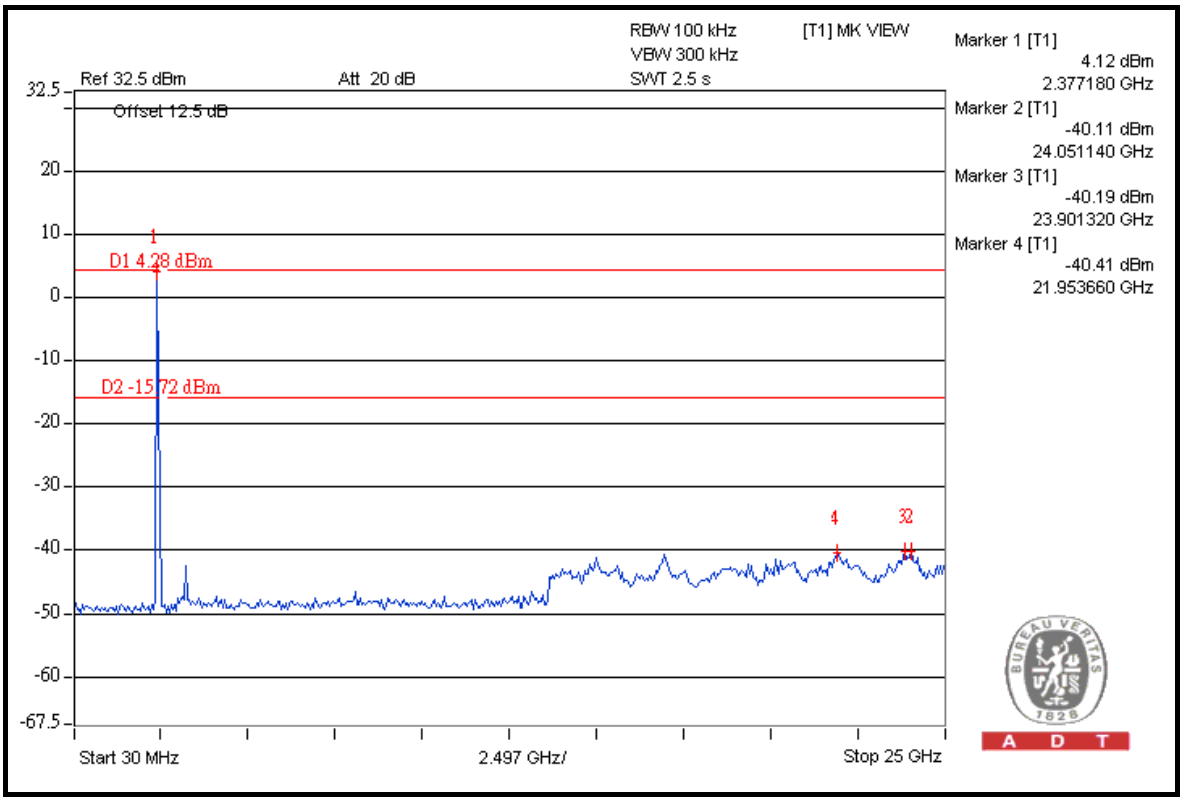
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	107.60	42.11	65.49	74.00
2462.00 (AV)	95.10	43.36	51.74	54.00

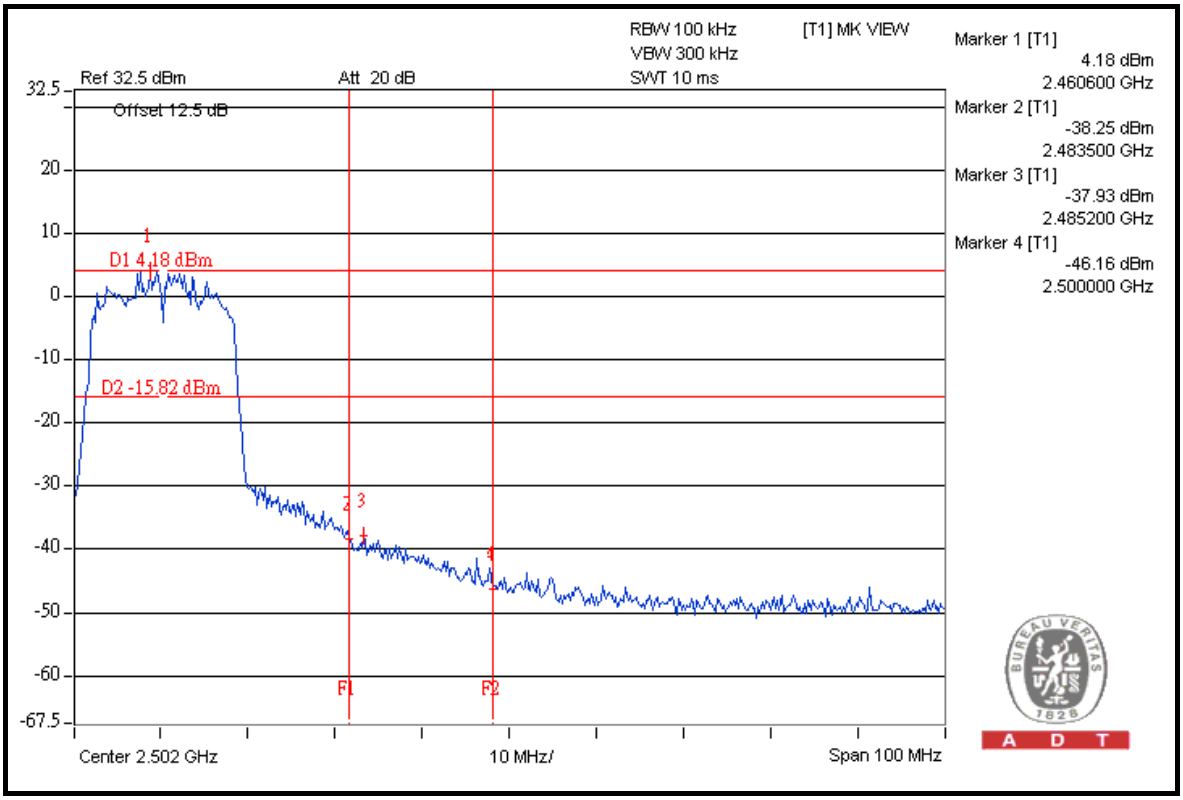
NOTE:

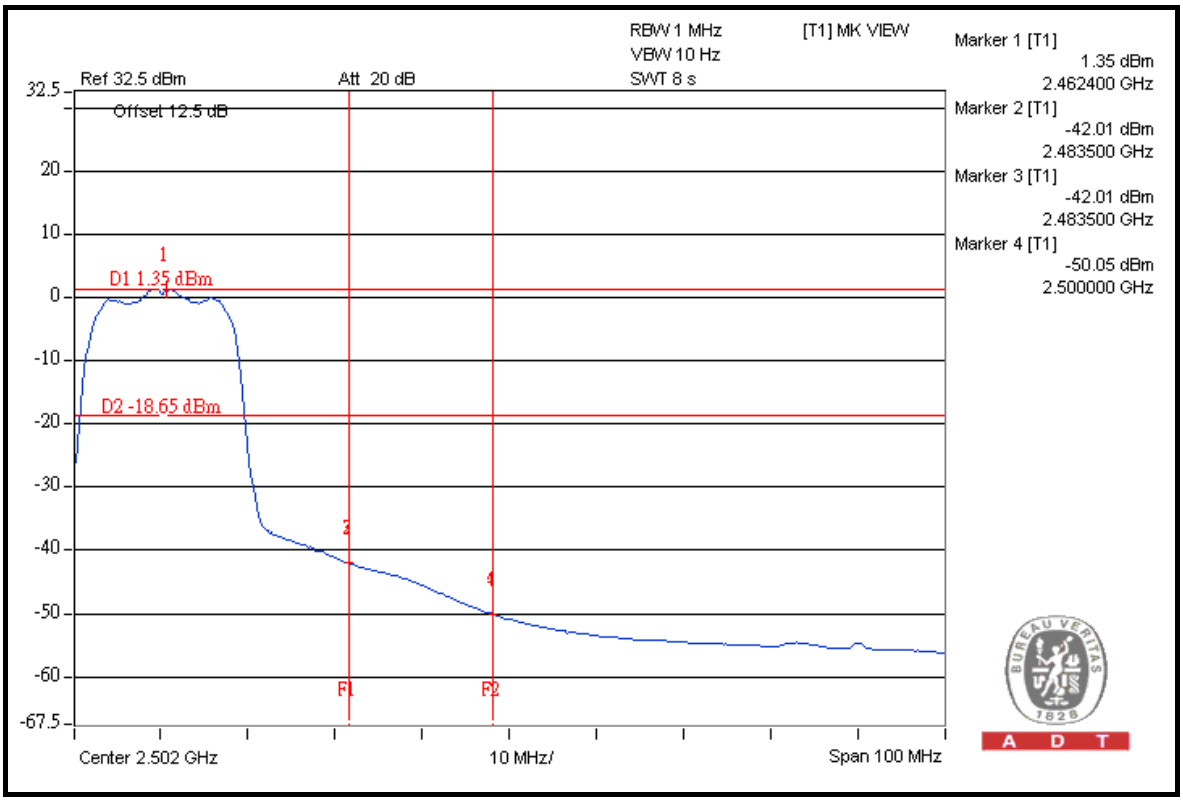
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

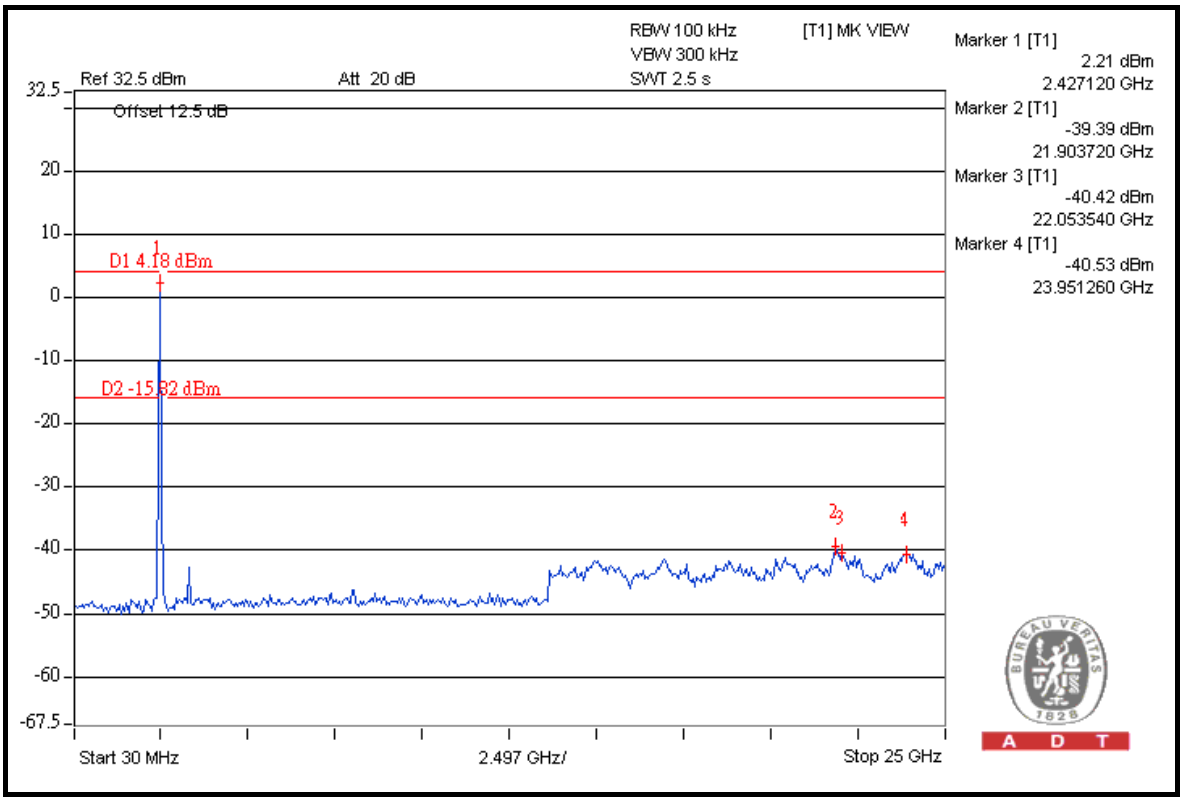

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.28 dBm
D2 -15.72 dBm
Marker 1 [T1]
4.28 dBm
2.411600 GHz
Marker 2 [T1]
-35.61 dBm
2.400000 GHz
Marker 3 [T1]
-33.58 dBm
2.399200 GHz
Marker 4 [T1]
-37.92 dBm
2.390000 GHz
Marker 5 [T1]
-37.92 dBm
2.390000 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 1.07 dBm
D2 -18.93 dBm
Marker 1 [T1]
1.07 dBm
2.413200 GHz
Marker 2 [T1]
-37.23 dBm
2.400000 GHz
Marker 3 [T1]
-37.18 dBm
2.399800 GHz
Marker 4 [T1]
-43.09 dBm
2.390000 GHz
Marker 5 [T1]
-43.09 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 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.28 dBm
D2 -15.72 dBm
Marker 1 [T1]
4.12 dBm
2.377180 GHz
Marker 2 [T1]
-40.11 dBm
24.051140 GHz
Marker 3 [T1]
-40.19 dBm
23.901320 GHz
Marker 4 [T1]
-40.41 dBm
21.953660 GHz
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.18 dBm
D2 -15.82 dBm
Marker 1 [T1]
4.18 dBm
2.460600 GHz
Marker 2 [T1]
-38.25 dBm
2.483500 GHz
Marker 3 [T1]
-37.93 dBm
2.485200 GHz
Marker 4 [T1]
-46.16 dBm
2.500000 GHz
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Marker 1 [T1]
1.35 dBm
2.462400 GHz
Marker 2 [T1]
-42.01 dBm
2.483500 GHz
Marker 3 [T1]
-42.01 dBm
2.483500 GHz
Marker 4 [T1]
-50.05 dBm
2.500000 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 1.35 dBm
D2 -18.65 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
Marker 1 [T1]
2.21 dBm
2.427120 GHz
Marker 2 [T1]
-39.39 dBm
21.903720 GHz
Marker 3 [T1]
-40.42 dBm
22.053540 GHz
Marker 4 [T1]
-40.53 dBm
23.951260 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 4.18 dBm
D2 -15.82 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

802.11g: 1TX (Ant 1)

RESTRICT BAND (2310 ~ 2390 MHz)

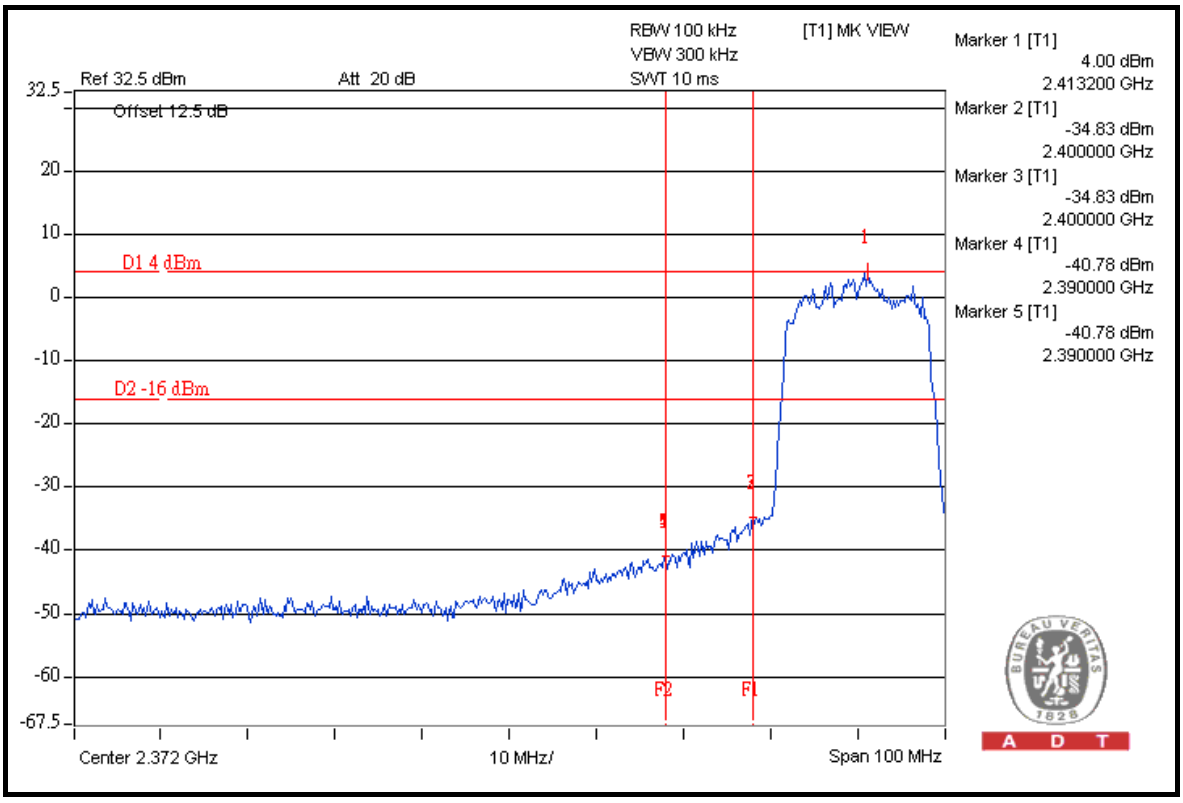
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	106.20	44.78	61.42	74.00
2412.00 (AV)	94.10	45.67	48.43	54.00

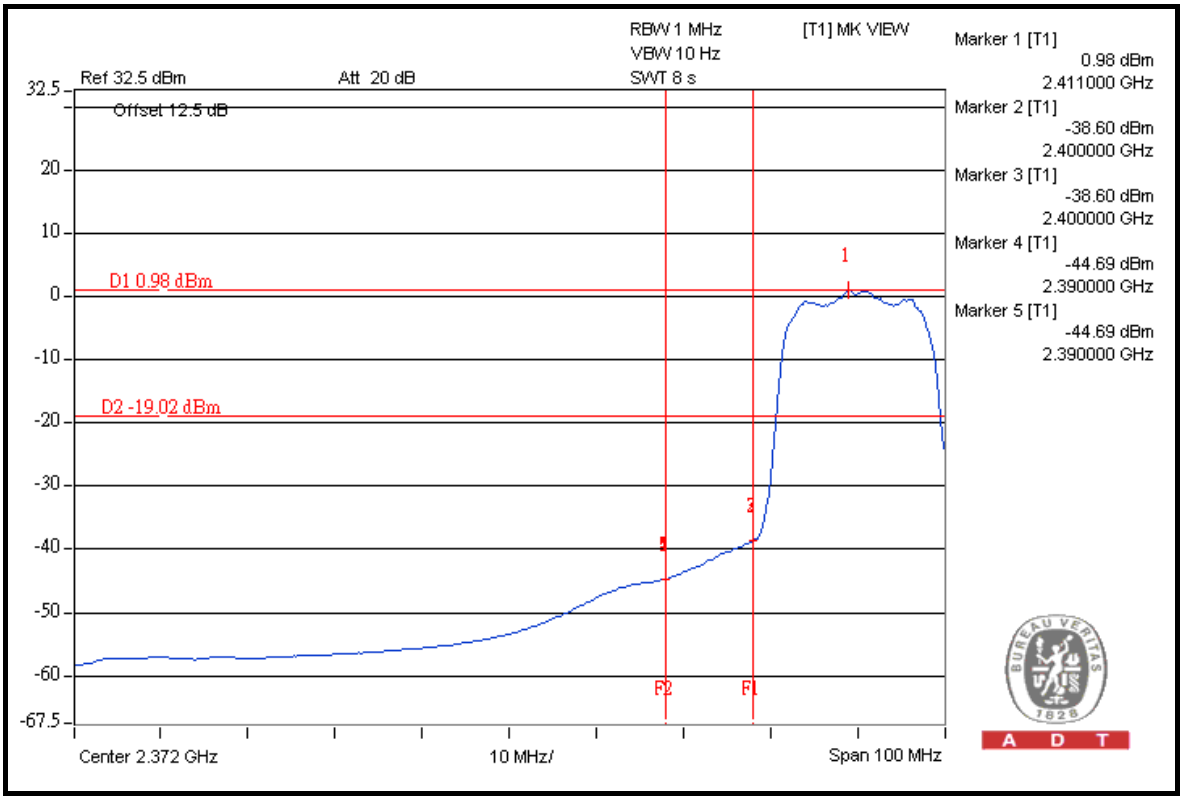
RESTRICT BAND (2483.5 ~ 2500 MHz)

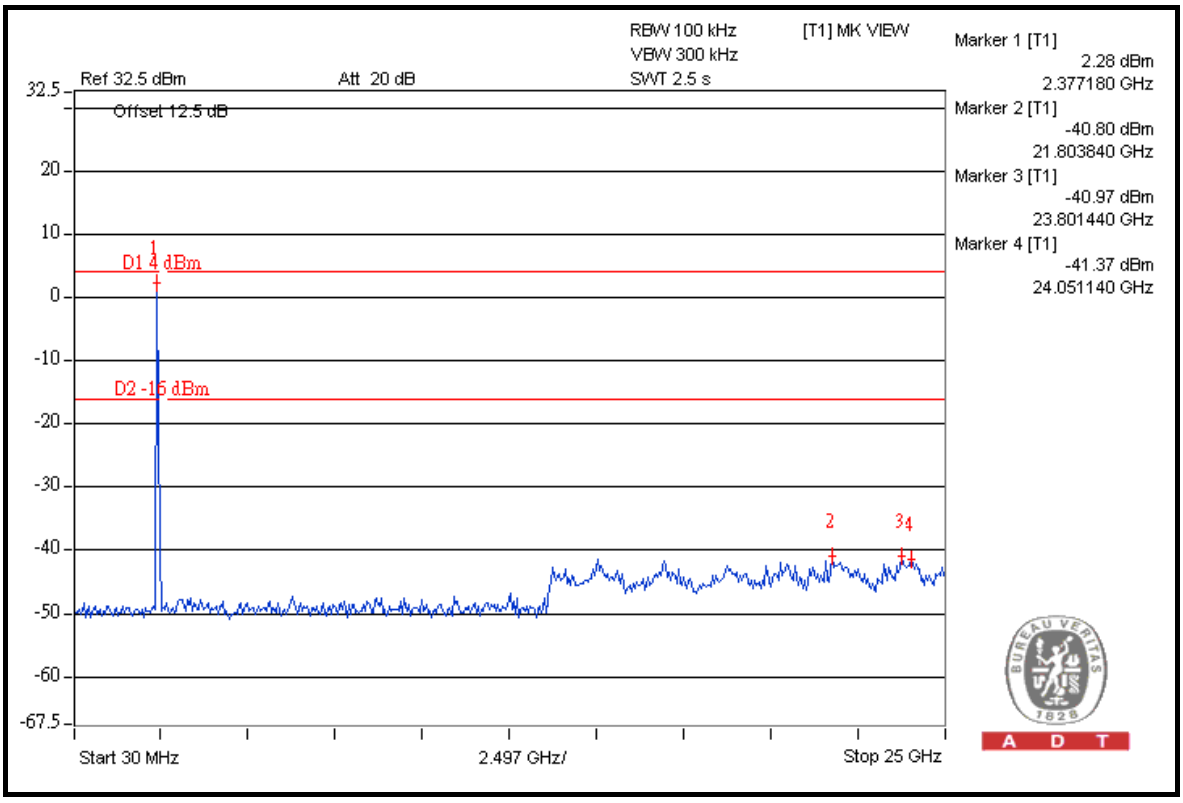
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	106.30	43.71	62.59	74.00
2462.00 (AV)	94.20	45.43	48.77	54.00

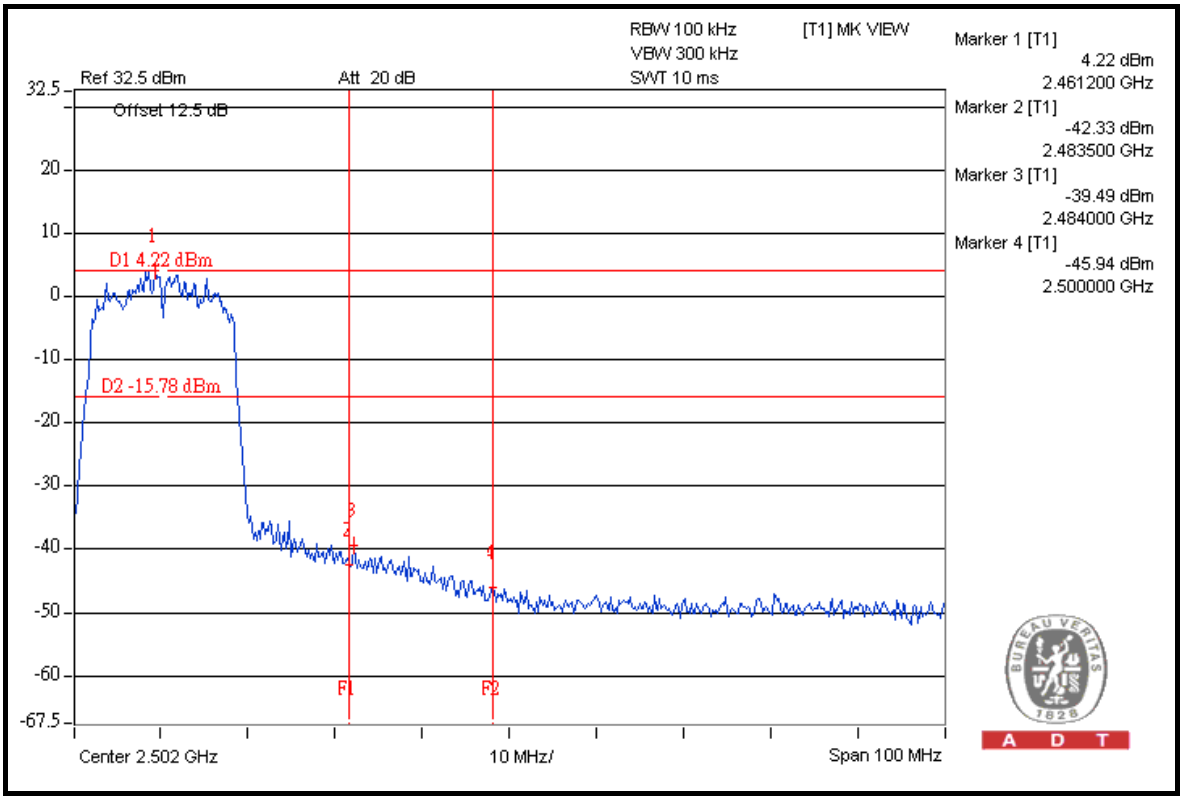
NOTE:

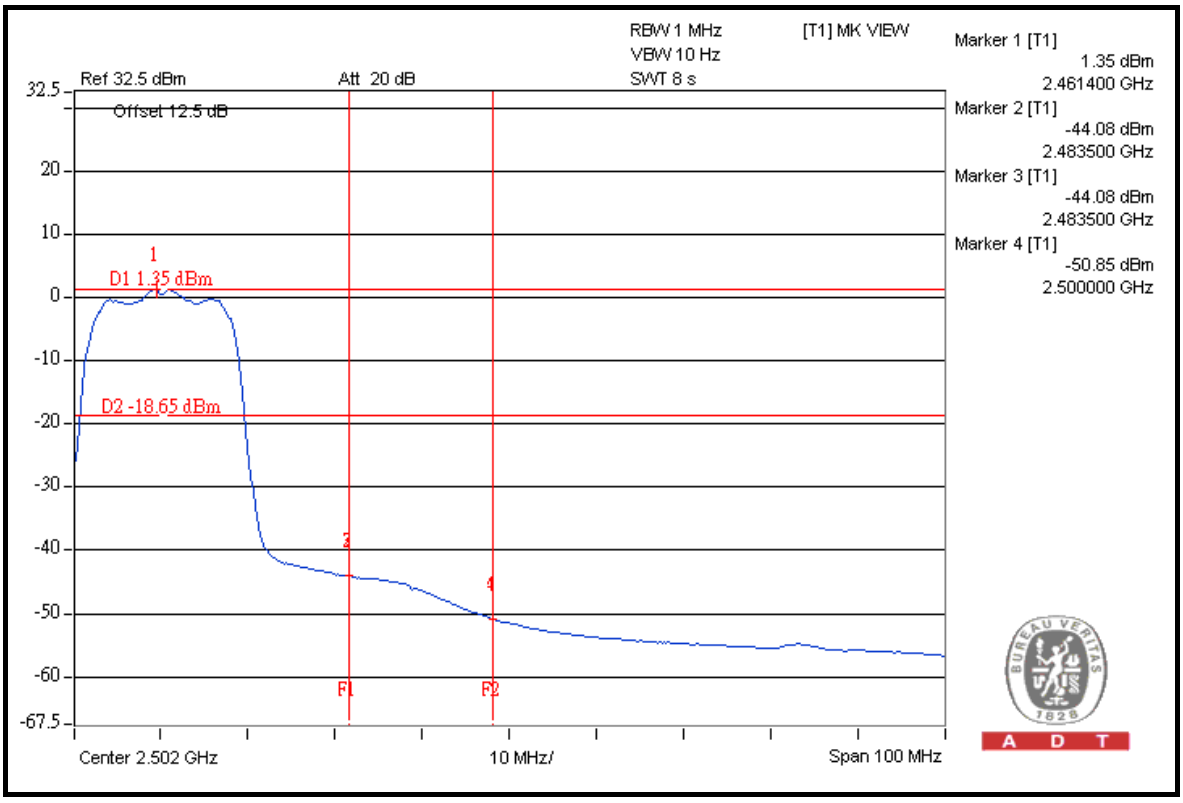
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

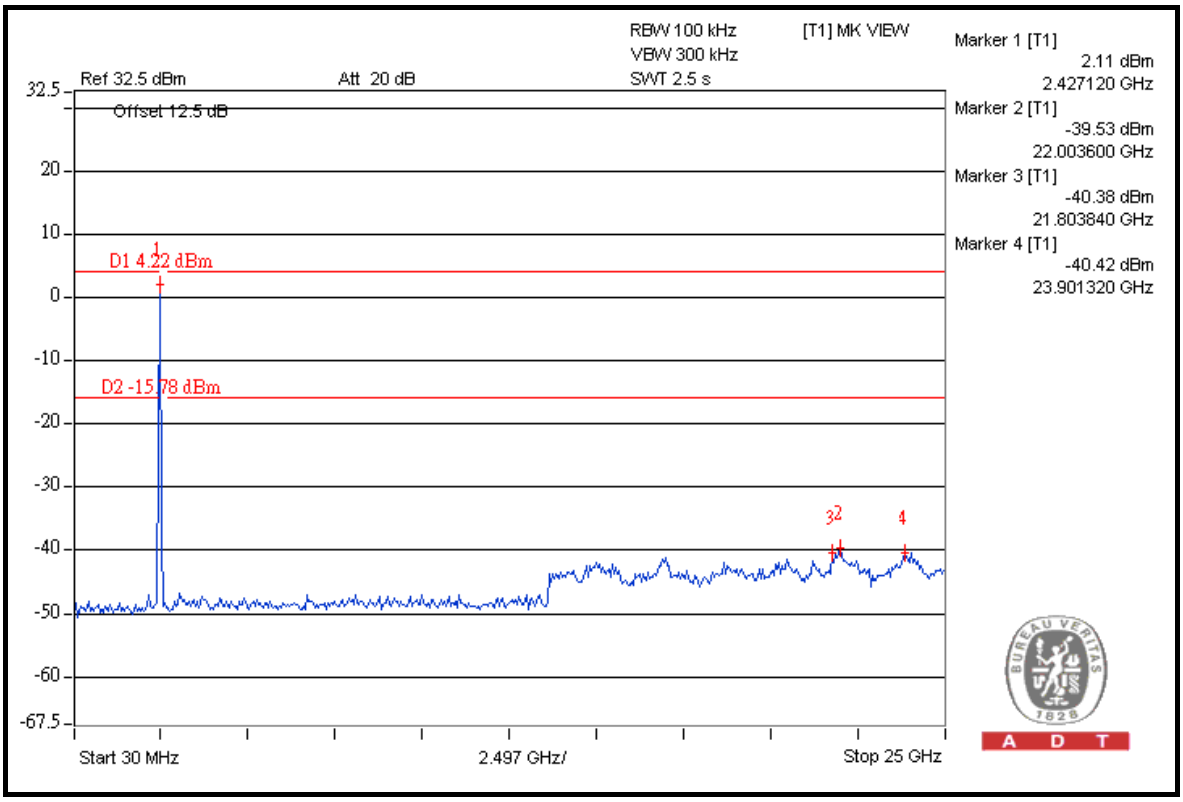

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4 dBm
D2 -16 dBm
Marker 1 [T1]
4.00 dBm
2.413200 GHz
Marker 2 [T1]
-34.83 dBm
2.400000 GHz
Marker 3 [T1]
-34.83 dBm
2.400000 GHz
Marker 4 [T1]
-40.78 dBm
2.390000 GHz
Marker 5 [T1]
-40.78 dBm
2.390000 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 0.98 dBm
D2 -19.02 dBm
Marker 1 [T1]
0.98 dBm
2.411000 GHz
Marker 2 [T1]
-38.60 dBm
2.400000 GHz
Marker 3 [T1]
-38.60 dBm
2.400000 GHz
Marker 4 [T1]
-44.69 dBm
2.390000 GHz
Marker 5 [T1]
-44.69 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
Marker 1 [T1]
2.28 dBm
2.377180 GHz
Marker 2 [T1]
-40.80 dBm
21.803840 GHz
Marker 3 [T1]
-40.97 dBm
23.801440 GHz
Marker 4 [T1]
-41.37 dBm
24.051140 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4 dBm
D2 -16 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Marker 1 [T1]
4.22 dBm
2.461200 GHz
Marker 2 [T1]
-42.33 dBm
2.483500 GHz
Marker 3 [T1]
-39.49 dBm
2.484000 GHz
Marker 4 [T1]
-45.94 dBm
2.500000 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.22 dBm
D2 -15.78 dBm
F1
F2
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Center 2.502 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Marker 1 [T1]
1.35 dBm
2.461400 GHz
Marker 2 [T1]
-44.08 dBm
2.483500 GHz
Marker 3 [T1]
-44.08 dBm
2.483500 GHz
Marker 4 [T1]
-50.85 dBm
2.500000 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 1.35 dBm
D2 -18.65 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
Marker 1 [T1]
2.11 dBm
2.427120 GHz
Marker 2 [T1]
-39.53 dBm
22.003600 GHz
Marker 3 [T1]
-40.38 dBm
21.803840 GHz
Marker 4 [T1]
-40.42 dBm
23.901320 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 4.22 dBm
D2 -15.78 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

802.11n (20MHz): 1TX (Ant 0)

RESTRICT BAND (2310 ~ 2390 MHz)

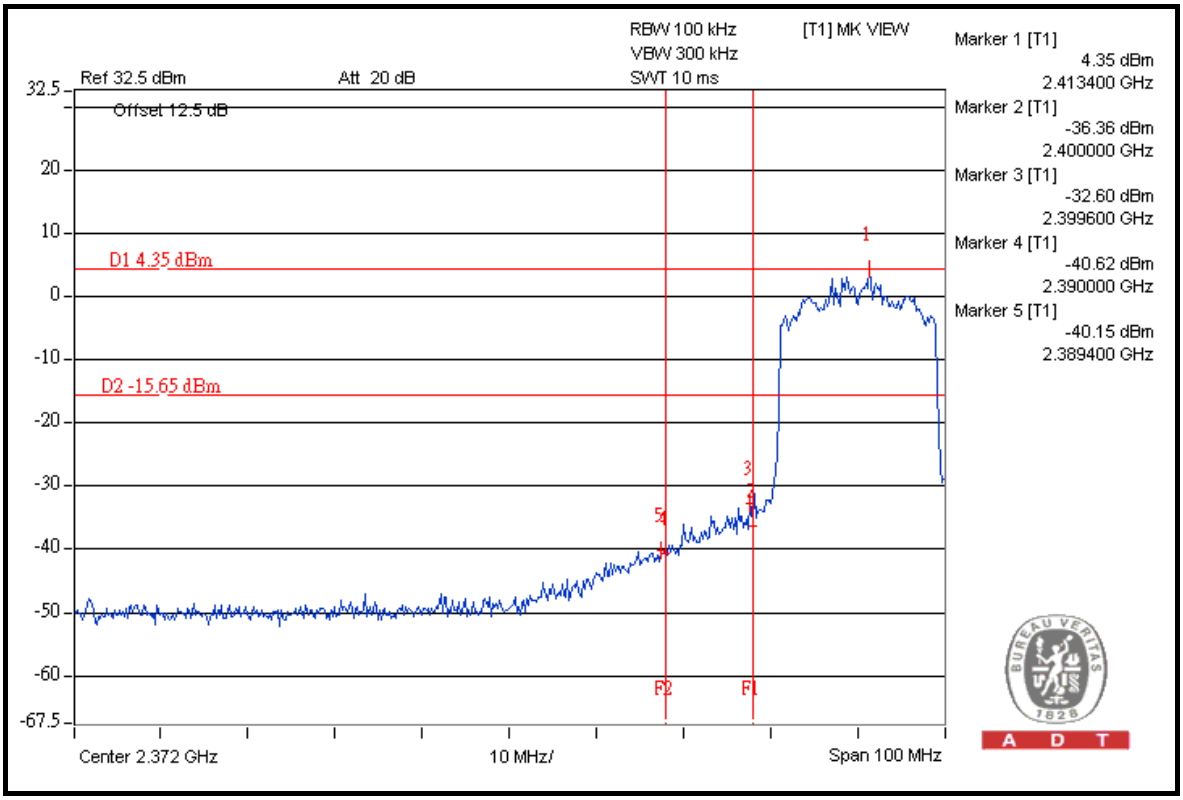
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	106.90	44.50	62.40	74.00
2412.00 (AV)	94.80	43.03	51.77	54.00

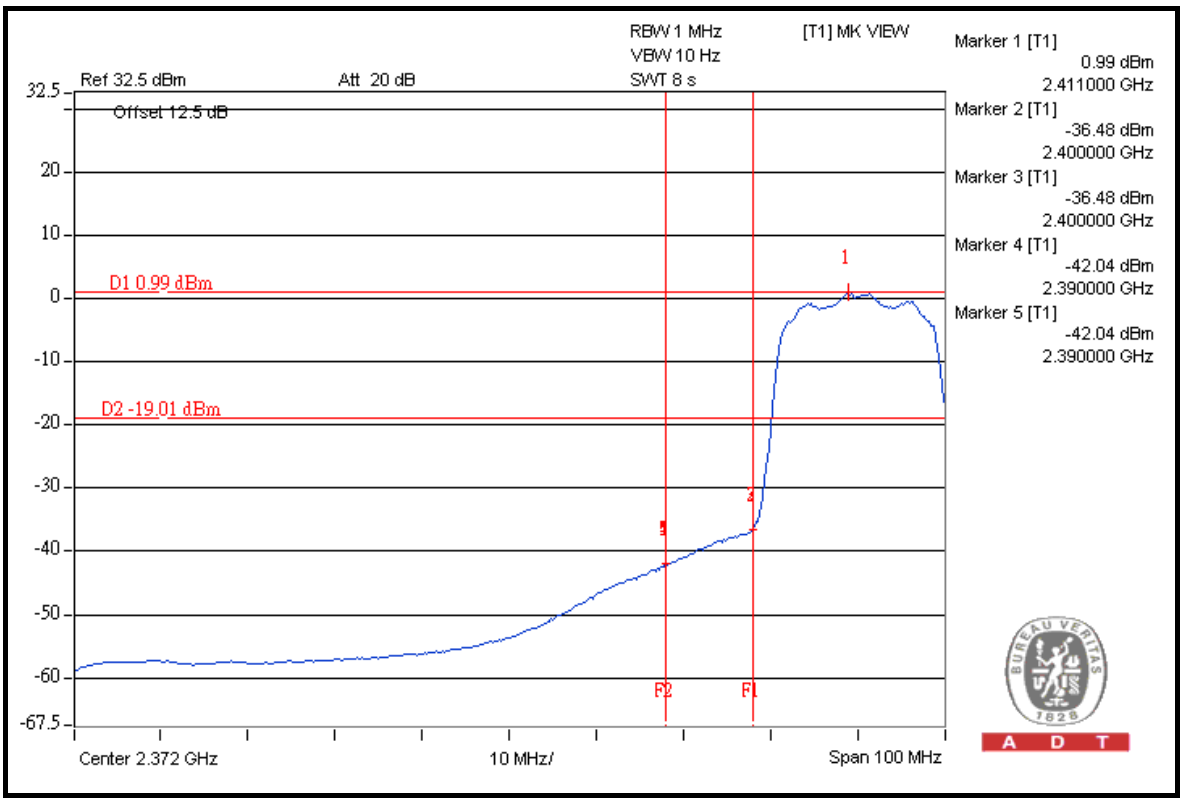
RESTRICT BAND (2483.5 ~ 2500 MHz)

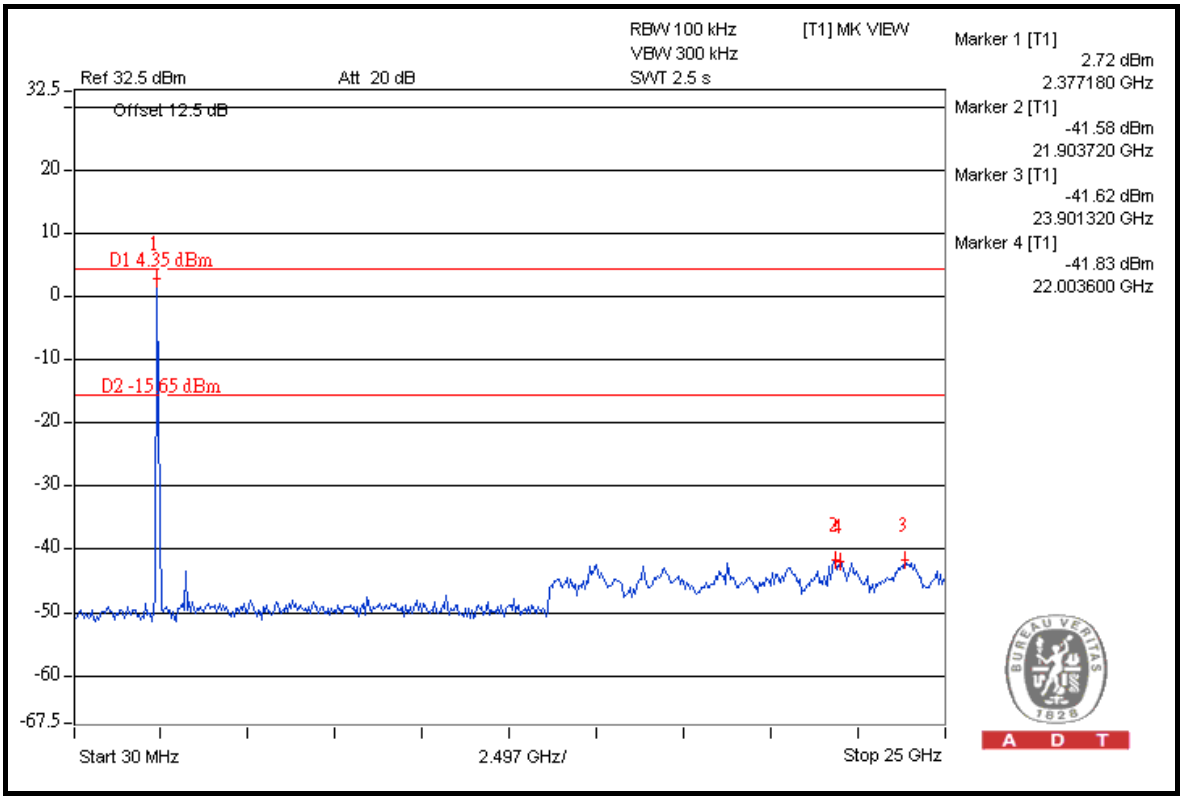
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	107.40	40.07	67.33	74.00
2462.00 (AV)	94.90	42.30	52.60	54.00

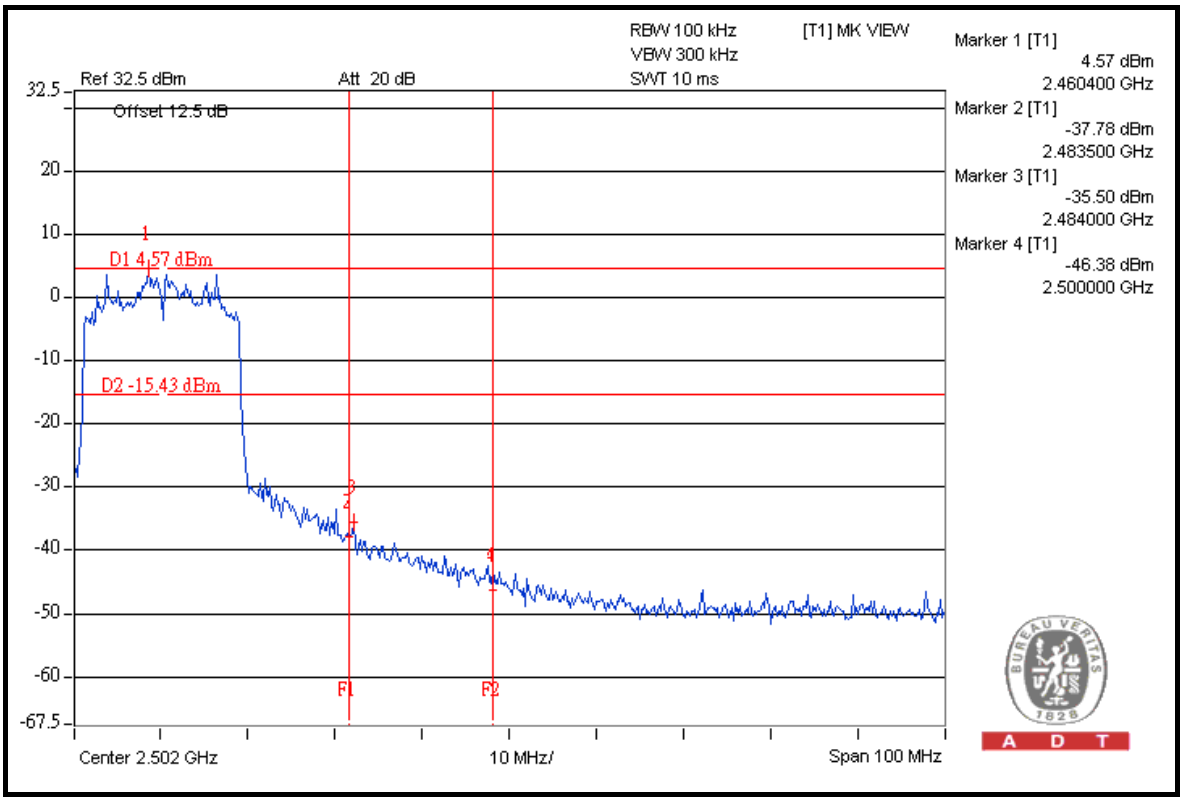
NOTE:

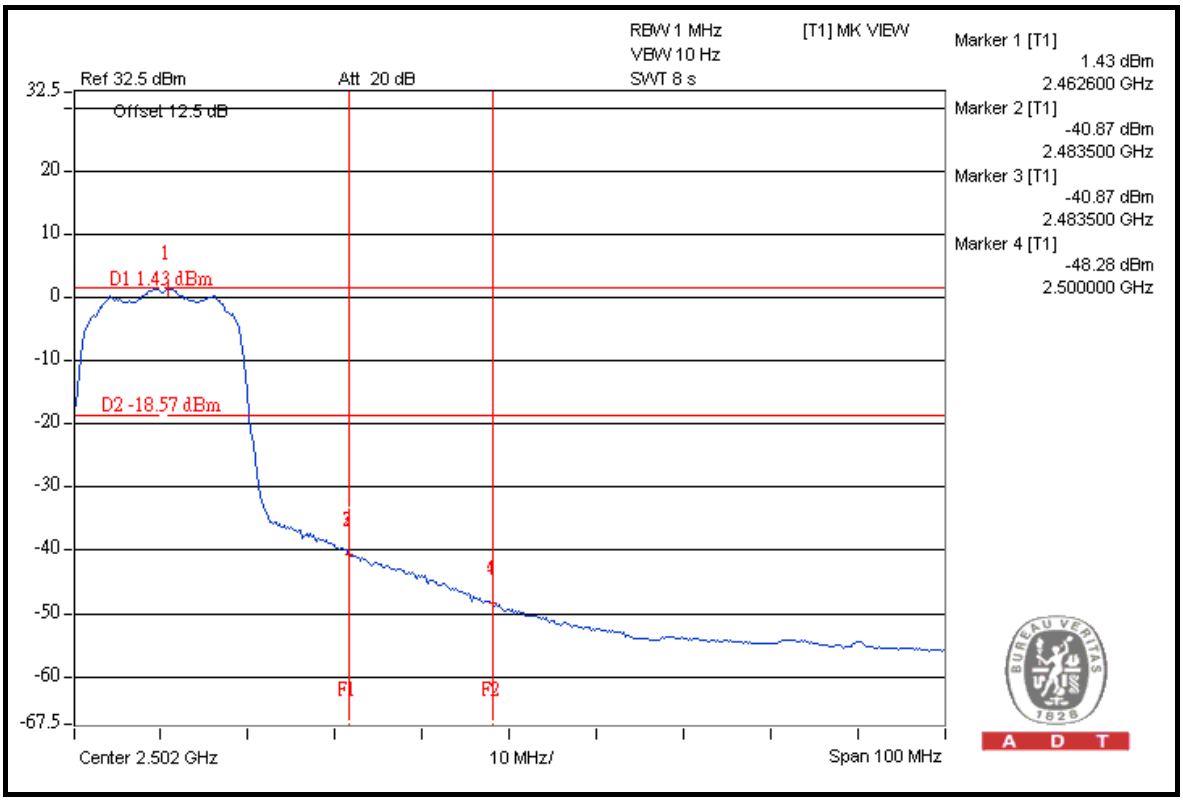
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

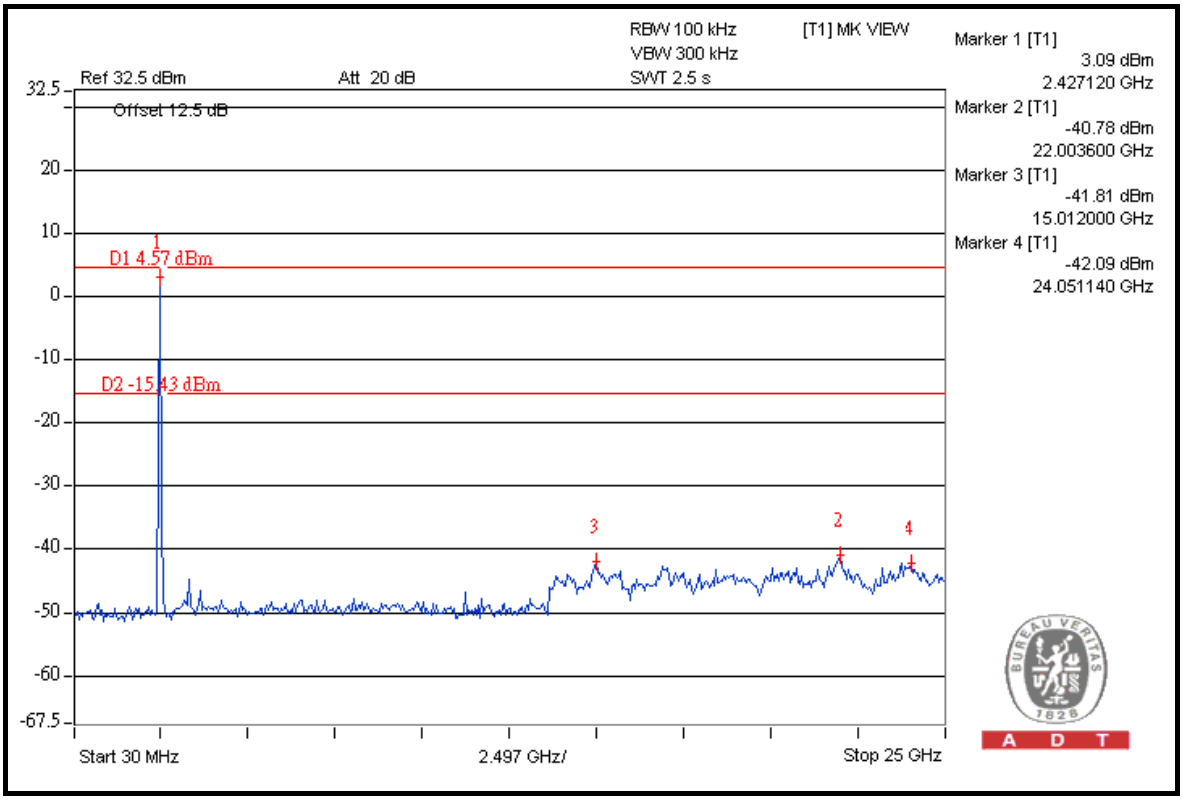

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.35 dBm
D2 -15.65 dBm
Marker 1 [T1]
4.35 dBm
2.413400 GHz
Marker 2 [T1]
-36.36 dBm
2.400000 GHz
Marker 3 [T1]
-32.60 dBm
2.399600 GHz
Marker 4 [T1]
-40.62 dBm
2.390000 GHz
Marker 5 [T1]
-40.15 dBm
2.389400 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 0.99 dBm
D2 -19.01 dBm
Marker 1 [T1]
0.99 dBm
2.411000 GHz
Marker 2 [T1]
-36.48 dBm
2.400000 GHz
Marker 3 [T1]
-36.48 dBm
2.400000 GHz
Marker 4 [T1]
-42.04 dBm
2.390000 GHz
Marker 5 [T1]
-42.04 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 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.35 dBm
D2 -15.65 dBm
Marker 1 [T1]
2.72 dBm
2.377180 GHz
Marker 2 [T1]
-41.58 dBm
21.903720 GHz
Marker 3 [T1]
-41.62 dBm
23.901320 GHz
Marker 4 [T1]
-41.83 dBm
22.003600 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.57 dBm
D2 -15.43 dBm
Marker 1 [T1]
4.57 dBm
2.460400 GHz
Marker 2 [T1]
-37.78 dBm
2.483500 GHz
Marker 3 [T1]
-35.50 dBm
2.484000 GHz
Marker 4 [T1]
-46.38 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
Marker 1 [T1]
1.43 dBm
2.462600 GHz
Marker 2 [T1]
-40.87 dBm
2.483500 GHz
Marker 3 [T1]
-40.87 dBm
2.483500 GHz
Marker 4 [T1]
-48.28 dBm
2.500000 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 1.43 dBm
D2 -18.57 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
Marker 1 [T1]
3.09 dBm
2.427120 GHz
Marker 2 [T1]
-40.78 dBm
22.003600 GHz
Marker 3 [T1]
-41.81 dBm
15.012000 GHz
Marker 4 [T1]
-42.09 dBm
24.051140 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.57 dBm
D2 -15.43 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

802.11n (20MHz): 1TX (Ant 1)

RESTRICT BAND (2310 ~ 2390 MHz)

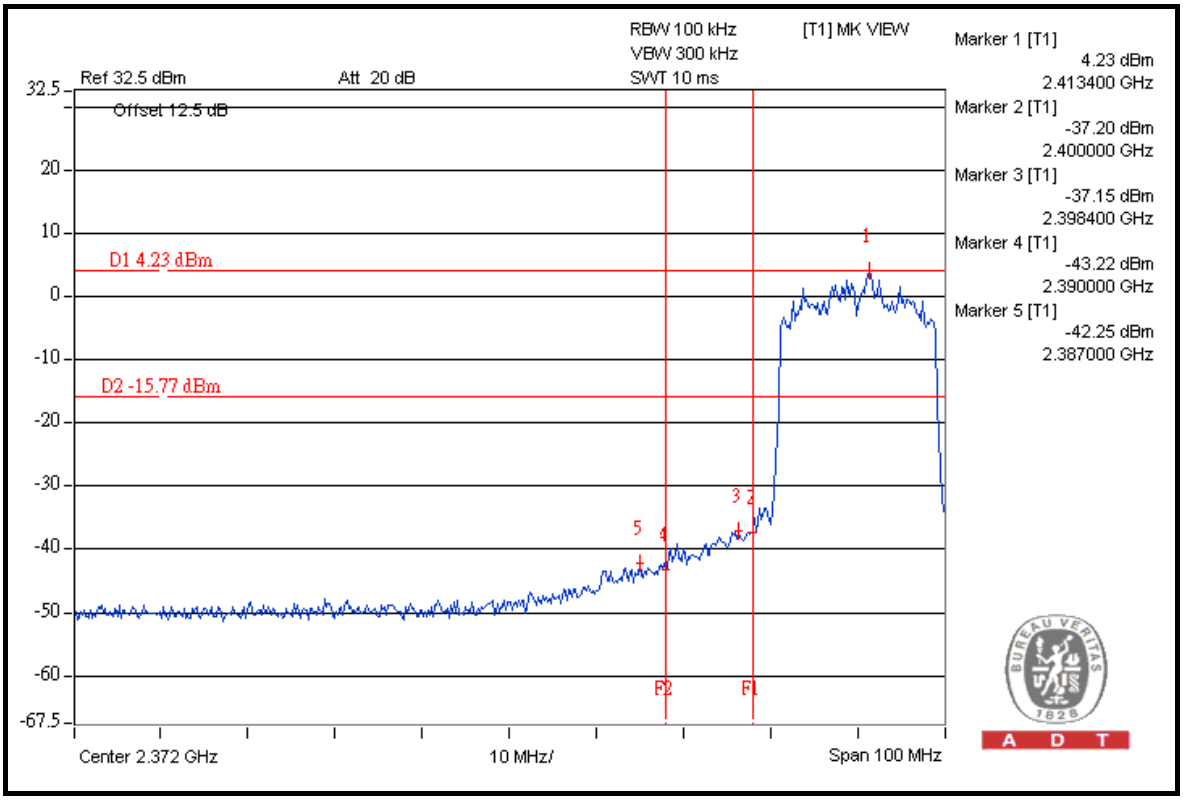
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2412.00 (PK)	106.20	46.48	59.72	74.00
2412.00 (AV)	94.40	45.16	49.24	54.00

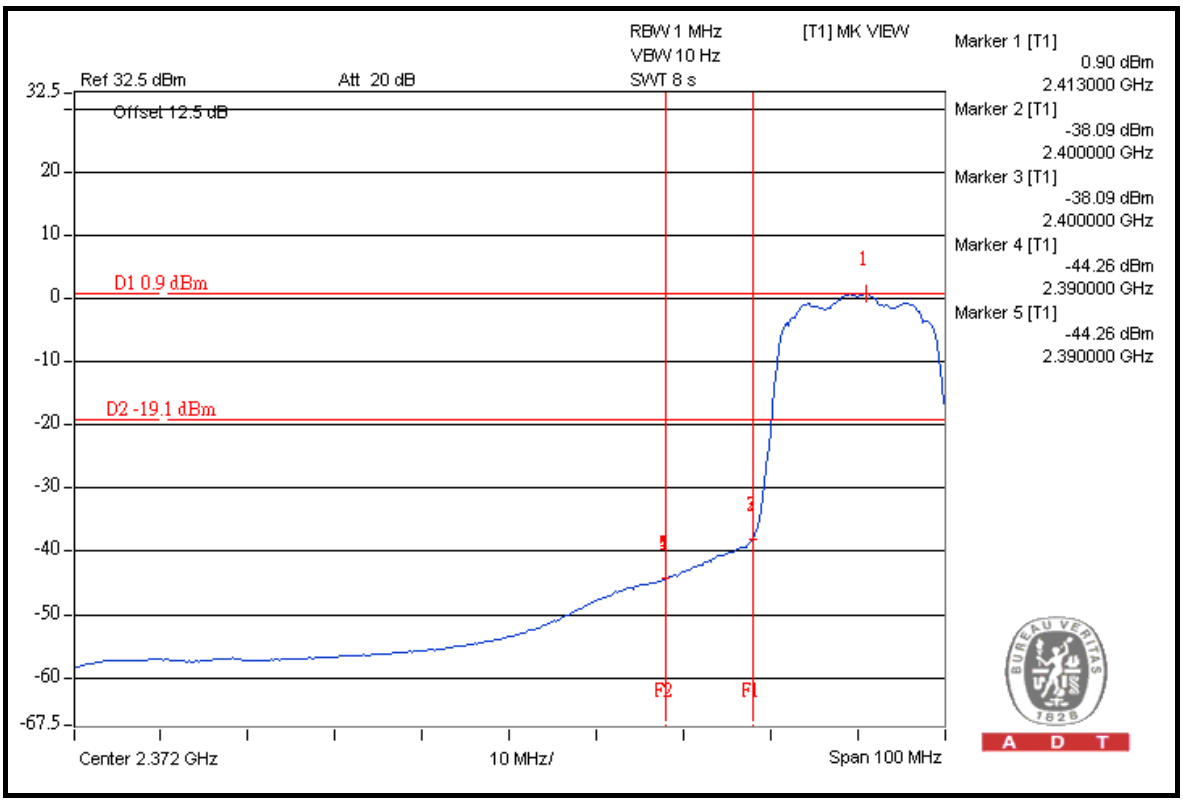
RESTRICT BAND (2483.5 ~ 2500 MHz)

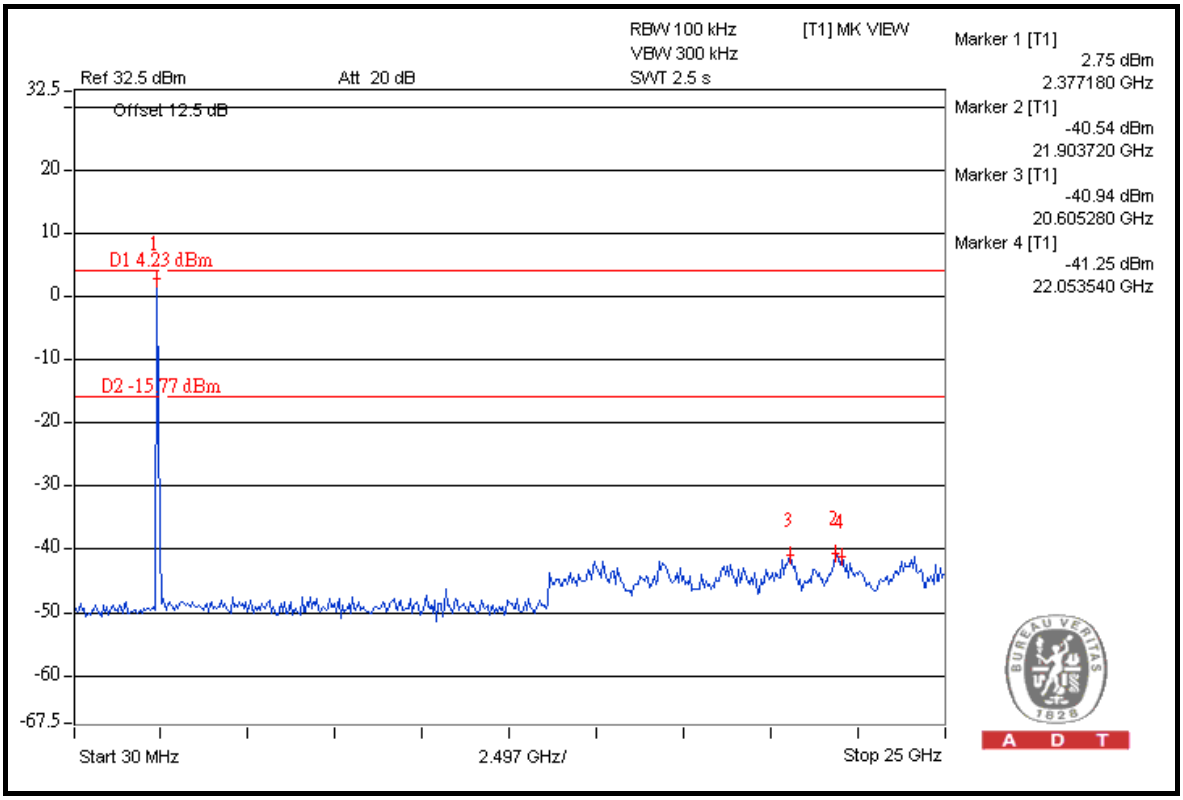
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	106.40	46.03	60.37	74.00
2462.00 (AV)	94.20	44.70	49.50	54.00

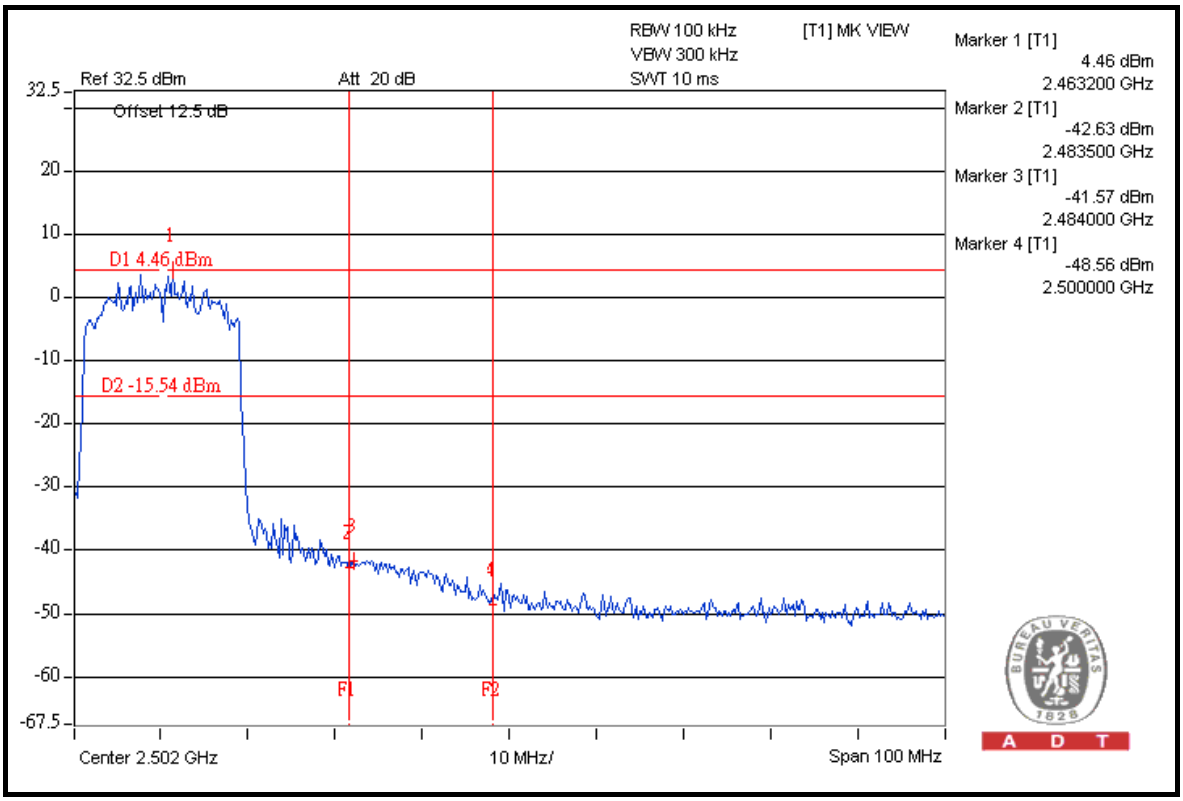
NOTE:

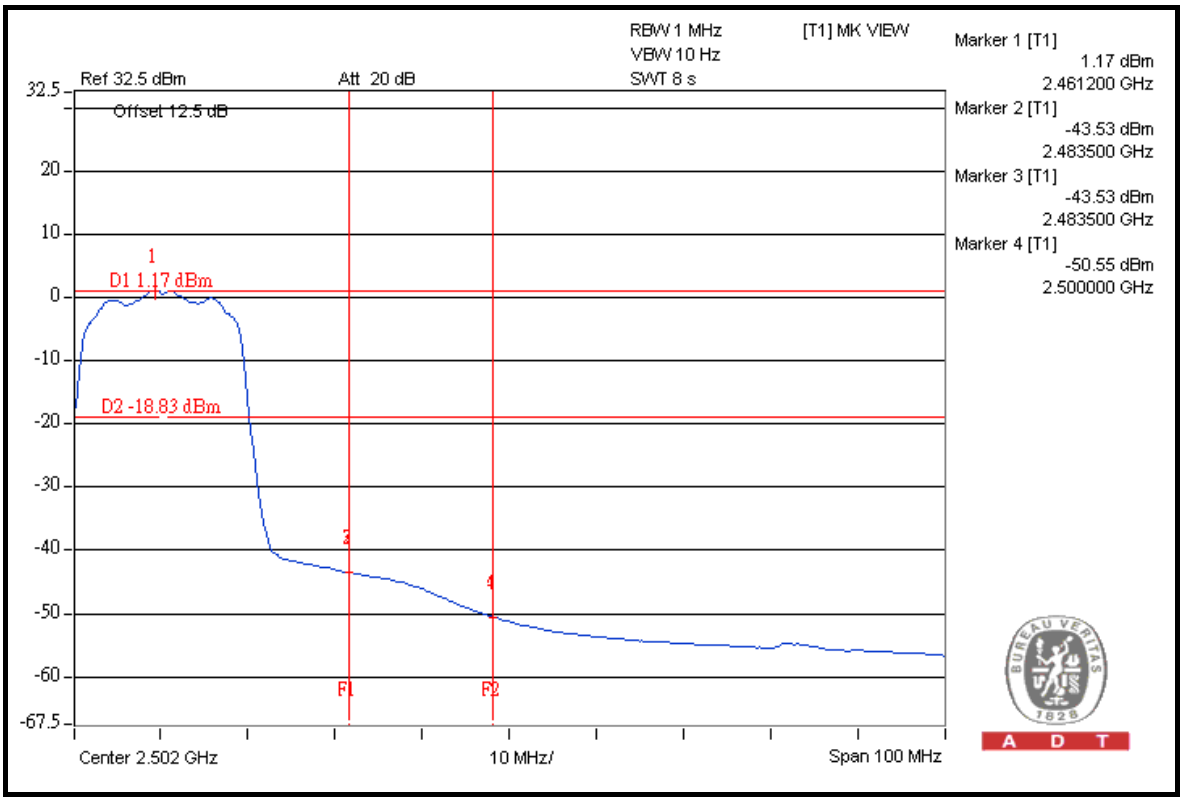
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

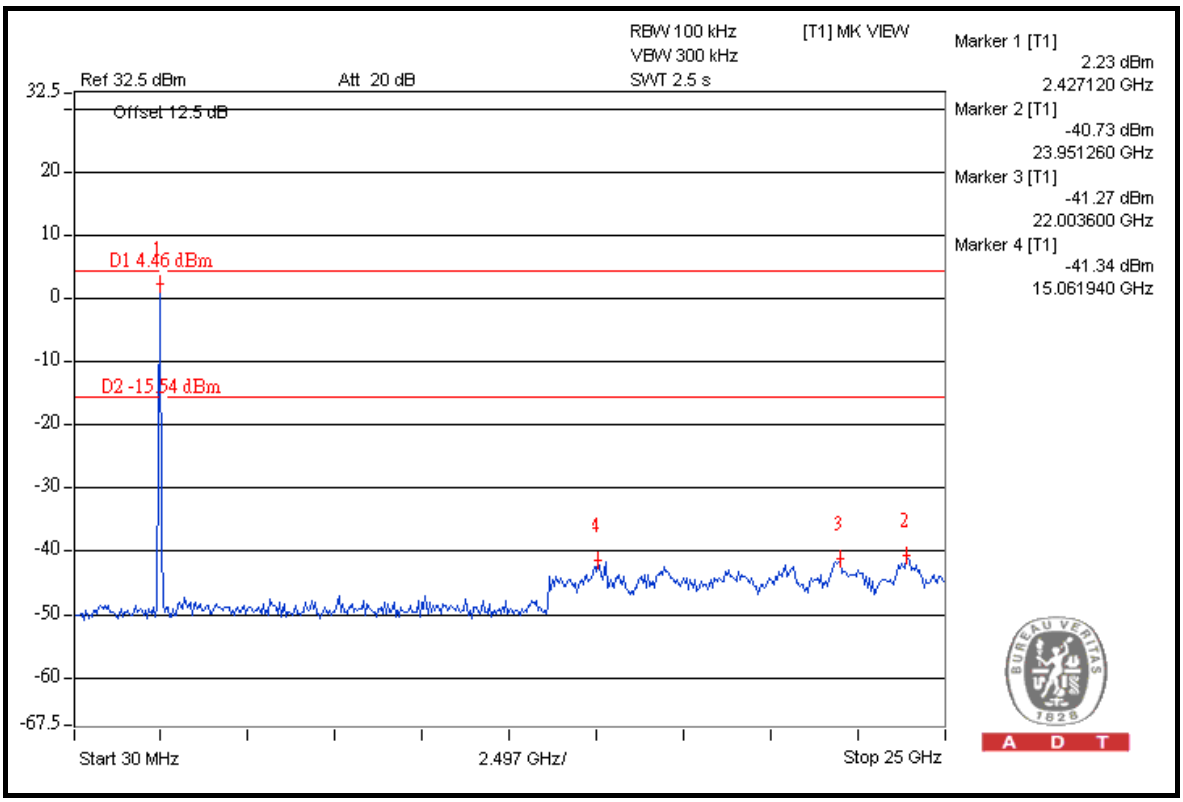

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.23 dBm
D2 -15.77 dBm
Marker 1 [T1]
4.23 dBm
2.413400 GHz
Marker 2 [T1]
-37.20 dBm
2.400000 GHz
Marker 3 [T1]
-37.15 dBm
2.398400 GHz
Marker 4 [T1]
-43.22 dBm
2.390000 GHz
Marker 5 [T1]
-42.25 dBm
2.387000 GHz
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 0.9 dBm
D2 -19.1 dBm
Marker 1 [T1]
0.90 dBm
2.413000 GHz
Marker 2 [T1]
-38.09 dBm
2.400000 GHz
Marker 3 [T1]
-38.09 dBm
2.400000 GHz
Marker 4 [T1]
-44.26 dBm
2.390000 GHz
Marker 5 [T1]
-44.26 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 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.23 dBm
D2 -15.77 dBm
Marker 1 [T1]
2.75 dBm
2.377180 GHz
Marker 2 [T1]
-40.54 dBm
21.903720 GHz
Marker 3 [T1]
-40.94 dBm
20.605280 GHz
Marker 4 [T1]
-41.25 dBm
22.053540 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.46 dBm
D2 -15.54 dBm
Marker 1 [T1]
4.46 dBm
2.463200 GHz
Marker 2 [T1]
-42.63 dBm
2.483500 GHz
Marker 3 [T1]
-41.57 dBm
2.484000 GHz
Marker 4 [T1]
-48.56 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 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 1.17 dBm
D2 -18.83 dBm
Marker 1 [T1]
1.17 dBm
2.461200 GHz
Marker 2 [T1]
-43.53 dBm
2.483500 GHz
Marker 3 [T1]
-43.53 dBm
2.483500 GHz
Marker 4 [T1]
-50.55 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 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.46 dBm
D2 -15.54 dBm
Marker 1 [T1]
2.23 dBm
2.427120 GHz
Marker 2 [T1]
-40.73 dBm
23.951260 GHz
Marker 3 [T1]
-41.27 dBm
22.003600 GHz
Marker 4 [T1]
-41.34 dBm
15.061940 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz

802.11n (20MHz): 2TX

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)	108.60	42.76	65.84	74.00
2412.00 (AV)	96.40	44.39	52.01	54.00

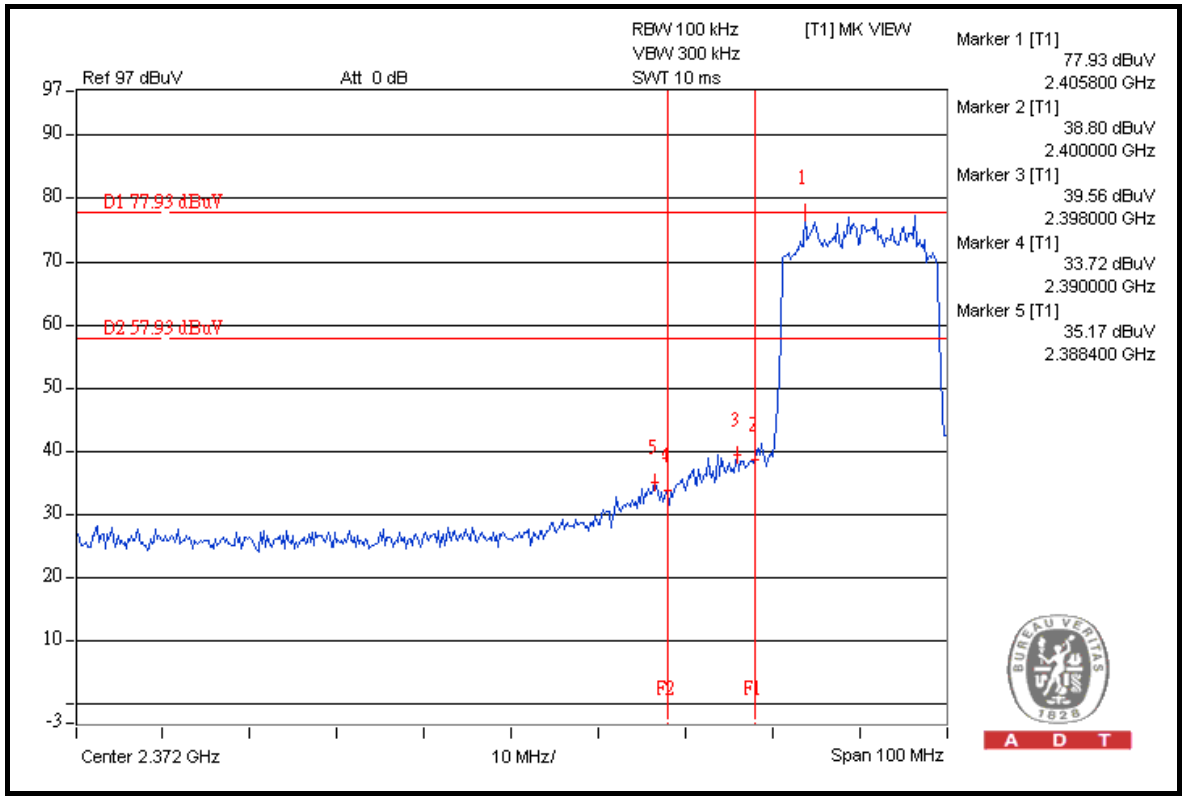
RESTRICT BAND (2483.5 ~ 2500 MHz)

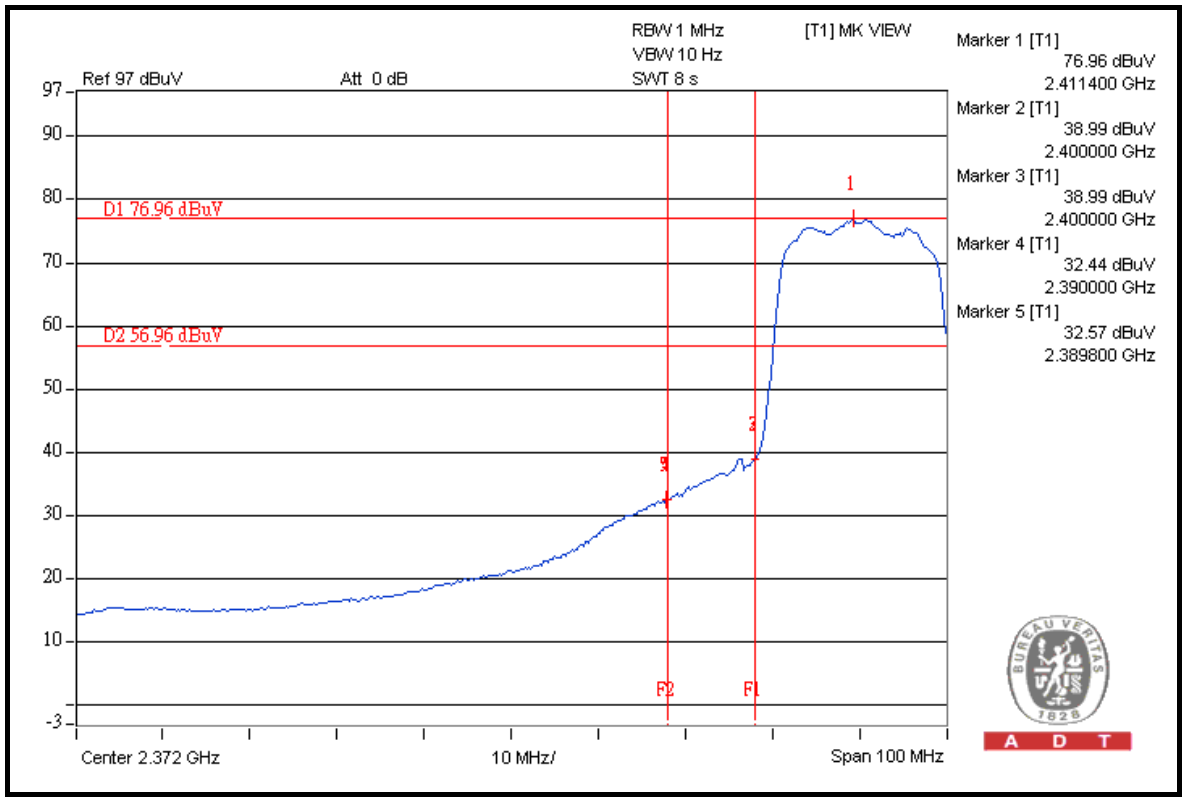
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2462.00 (PK)	109.50	44.03	65.47	74.00
2462.00 (AV)	97.30	44.56	52.74	54.00

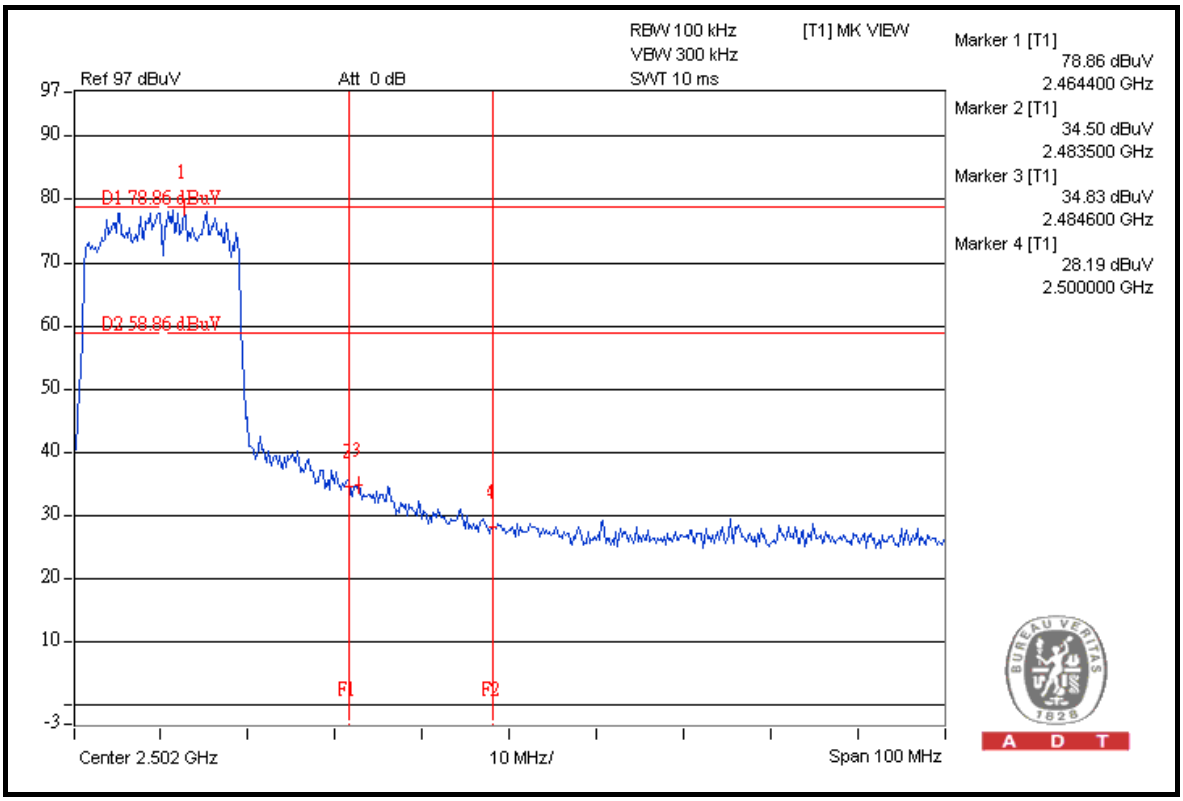
NOTE:

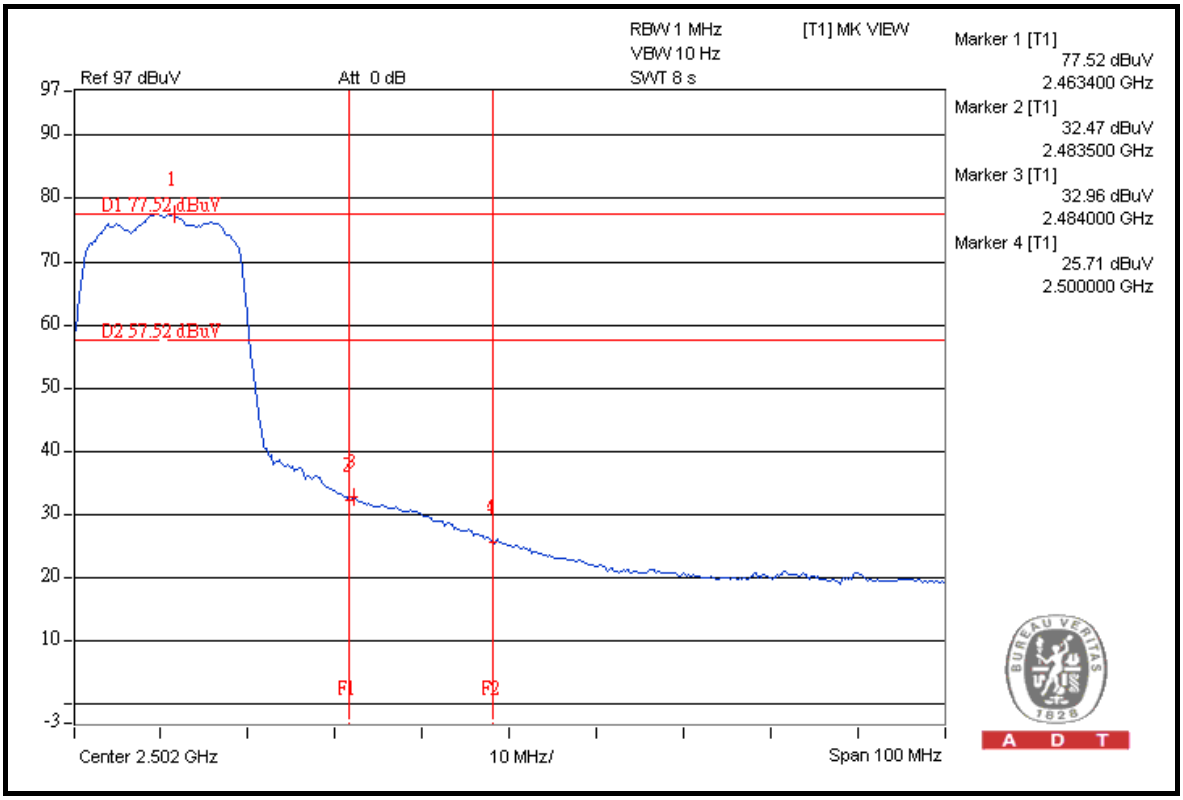
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

FOR RADIATED MEASURED (TWO CHAINS ON)



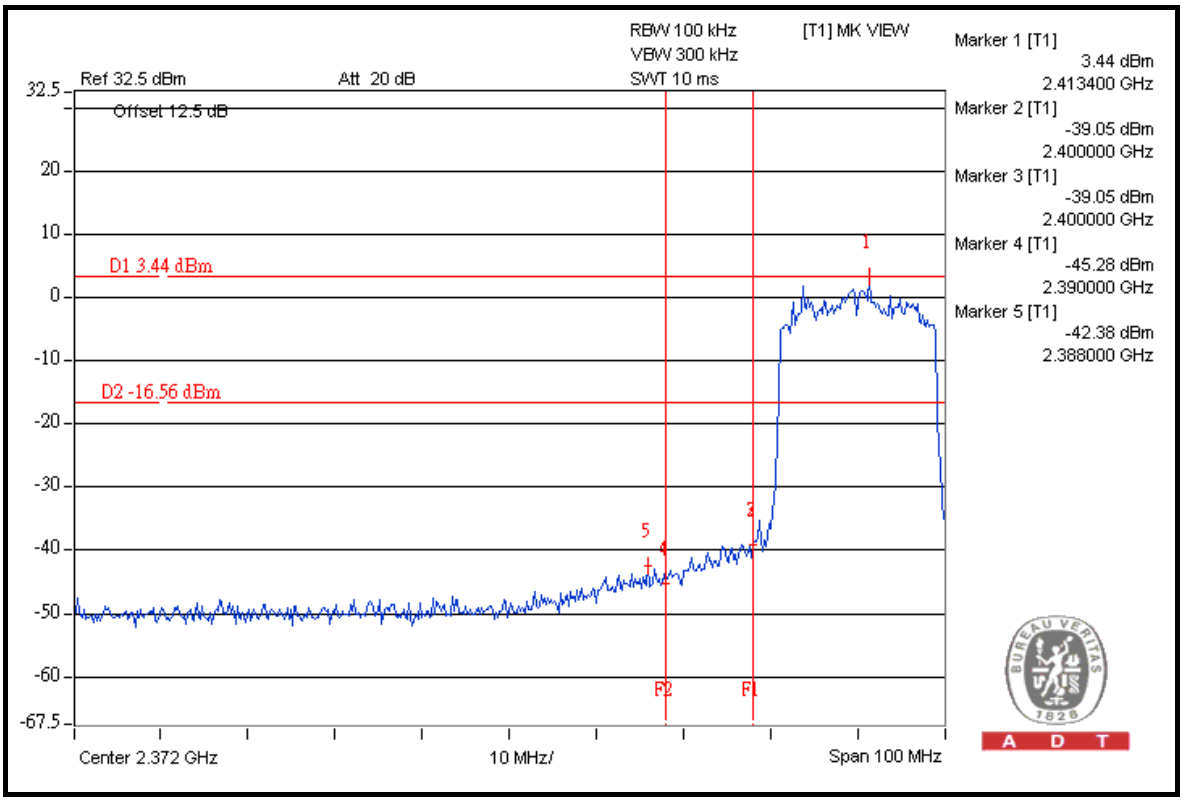


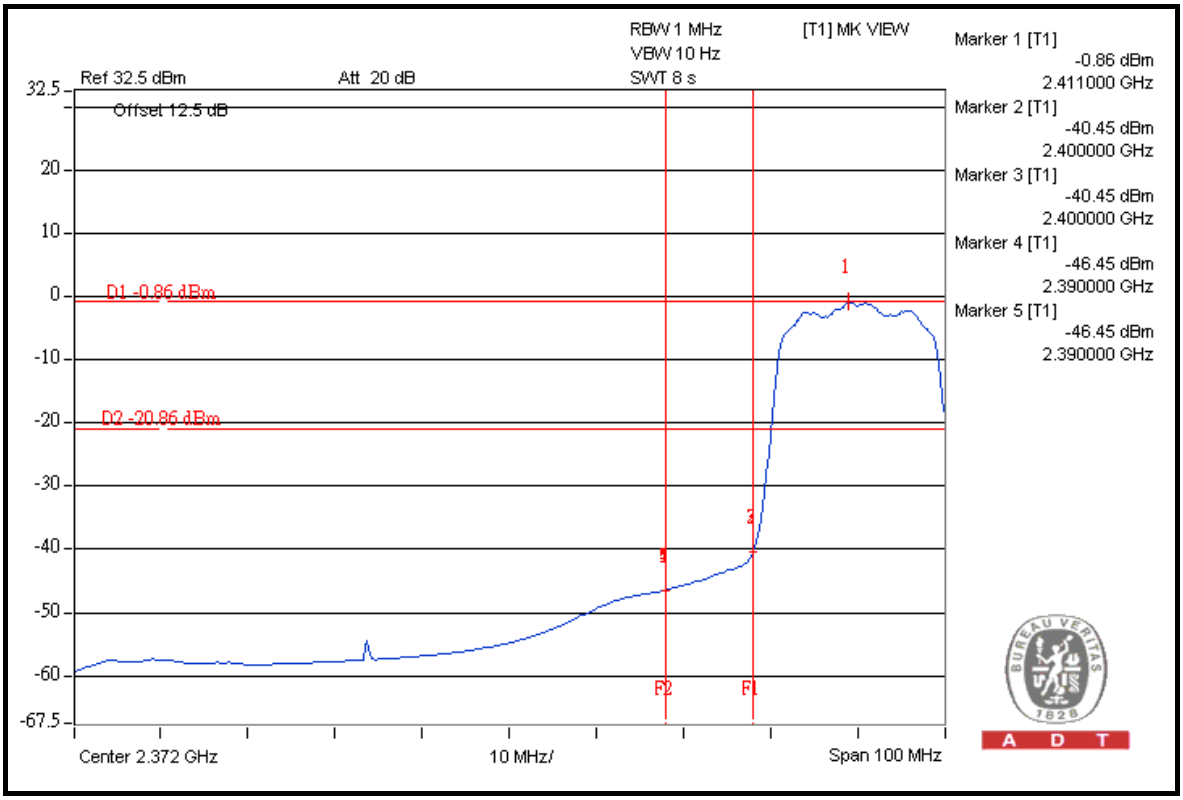

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
78.86 dBuV
2.464400 GHz
Marker 2 [T1]
34.50 dBuV
2.483500 GHz
Marker 3 [T1]
34.83 dBuV
2.484600 GHz
Marker 4 [T1]
28.19 dBuV
2.500000 GHz
D1 78.86 dBuV
D2 58.86 dBuV
97
90
80
70
60
50
40
30
20
10
-3
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz

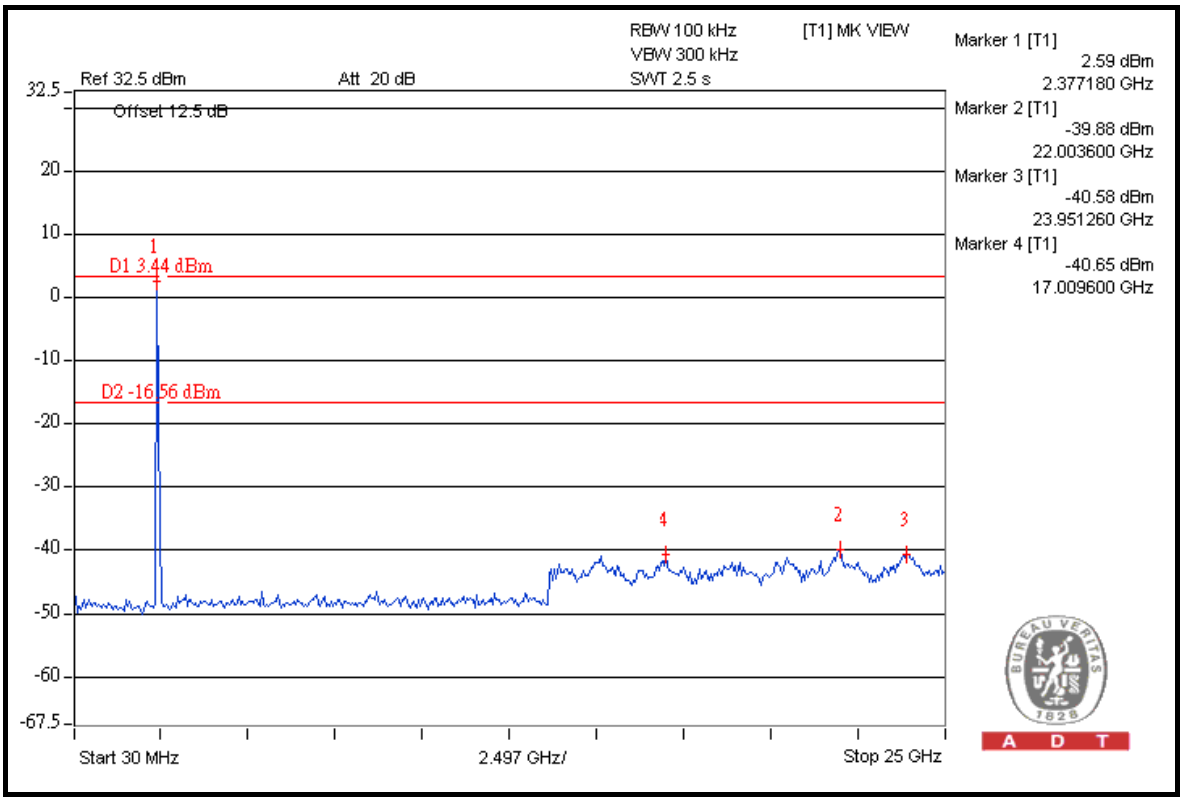

RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
Marker 1 [T1]
77.52 dBuV
2.463400 GHz
Marker 2 [T1]
32.47 dBuV
2.483500 GHz
Marker 3 [T1]
32.96 dBuV
2.484000 GHz
Marker 4 [T1]
25.71 dBuV
2.500000 GHz
D1 77.52 dBuV
D2 57.52 dBuV
97
90
80
70
60
50
40
30
20
10
-3
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz

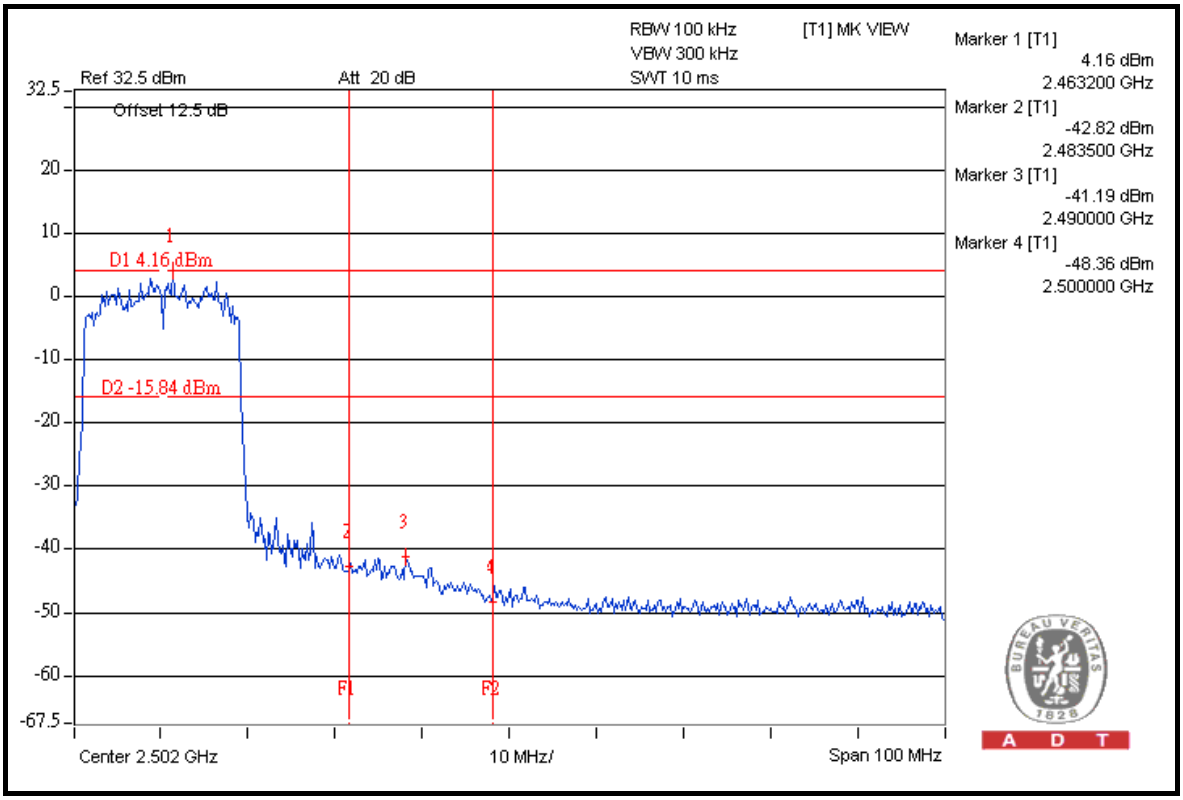
FOR CONDUCTED MEASURED

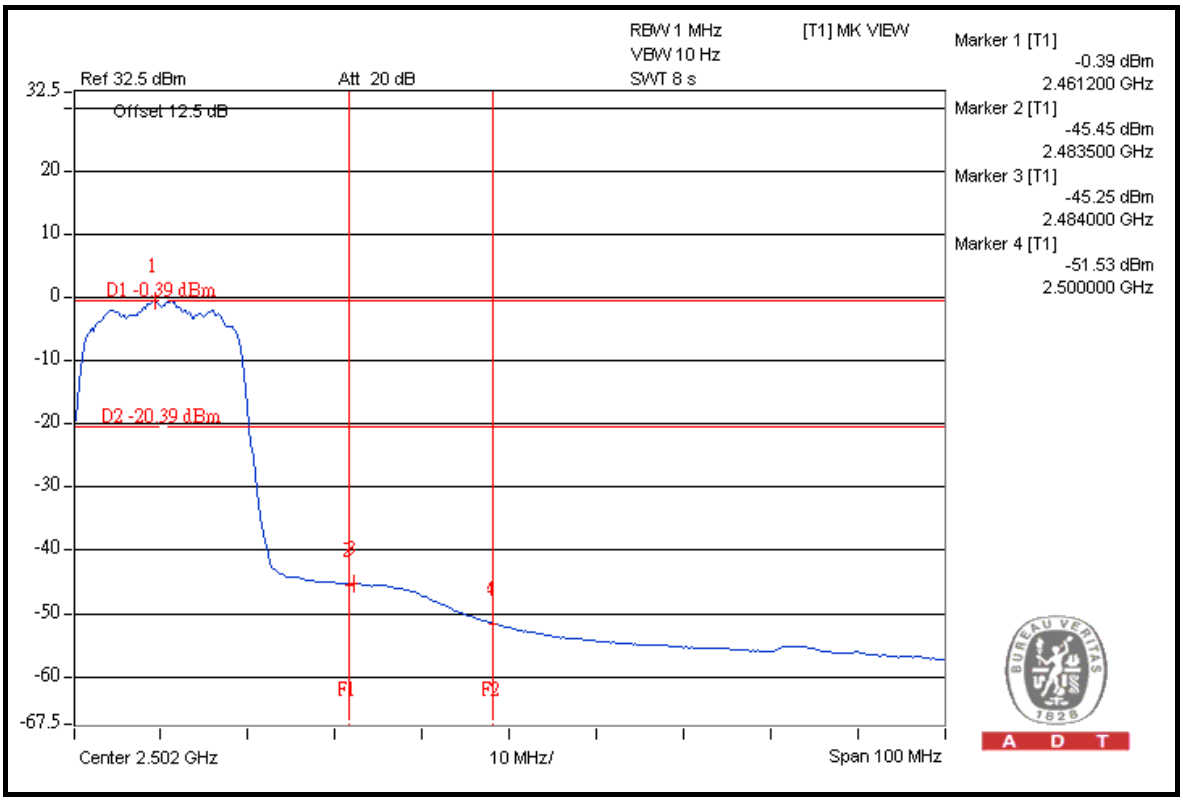
ANT 0

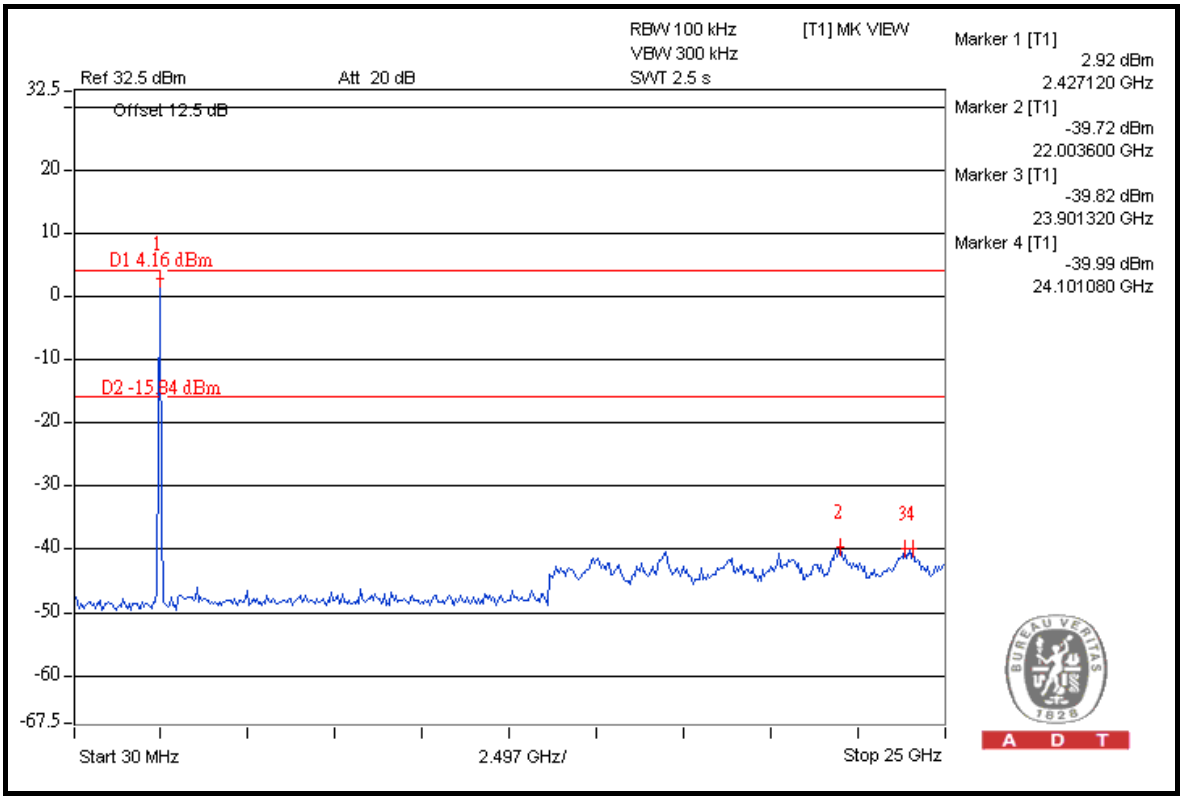




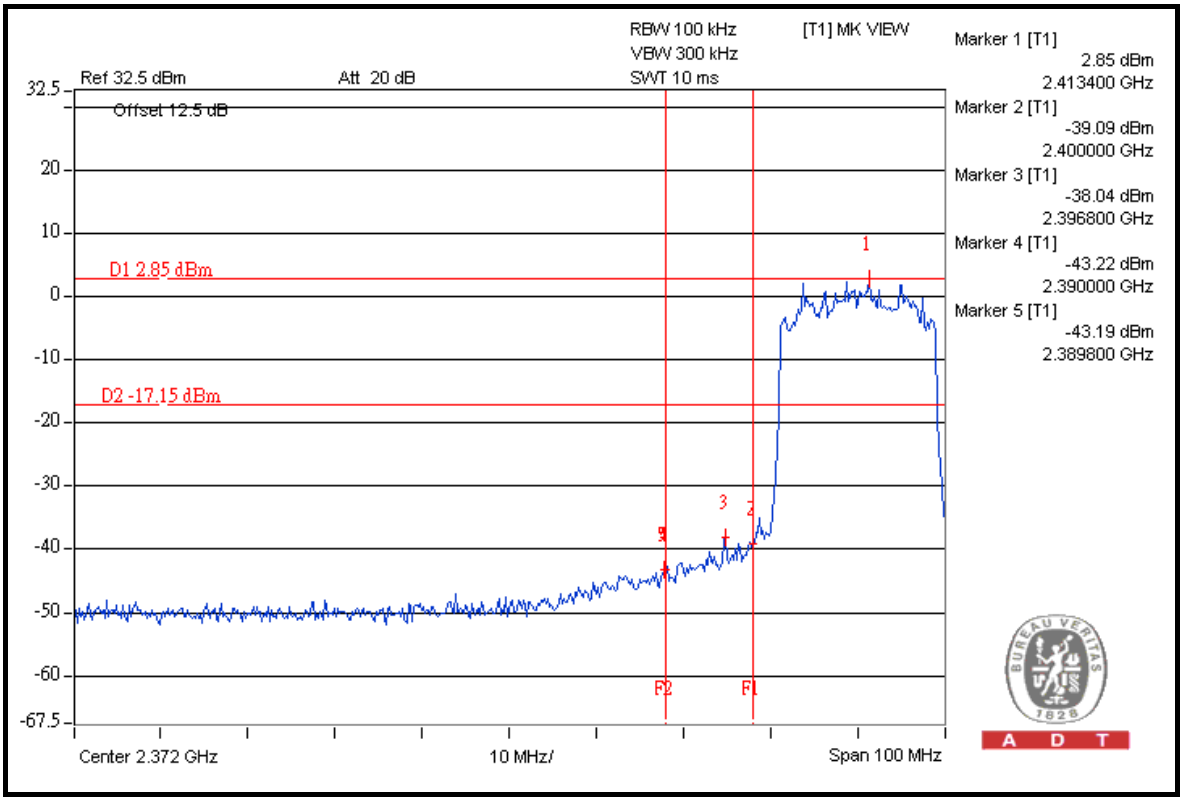

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 3.44 dBm
D2 -16.56 dBm
Marker 1 [T1]
2.59 dBm
2.377180 GHz
Marker 2 [T1]
-39.88 dBm
22.003600 GHz
Marker 3 [T1]
-40.58 dBm
23.951260 GHz
Marker 4 [T1]
-40.65 dBm
17.009600 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz

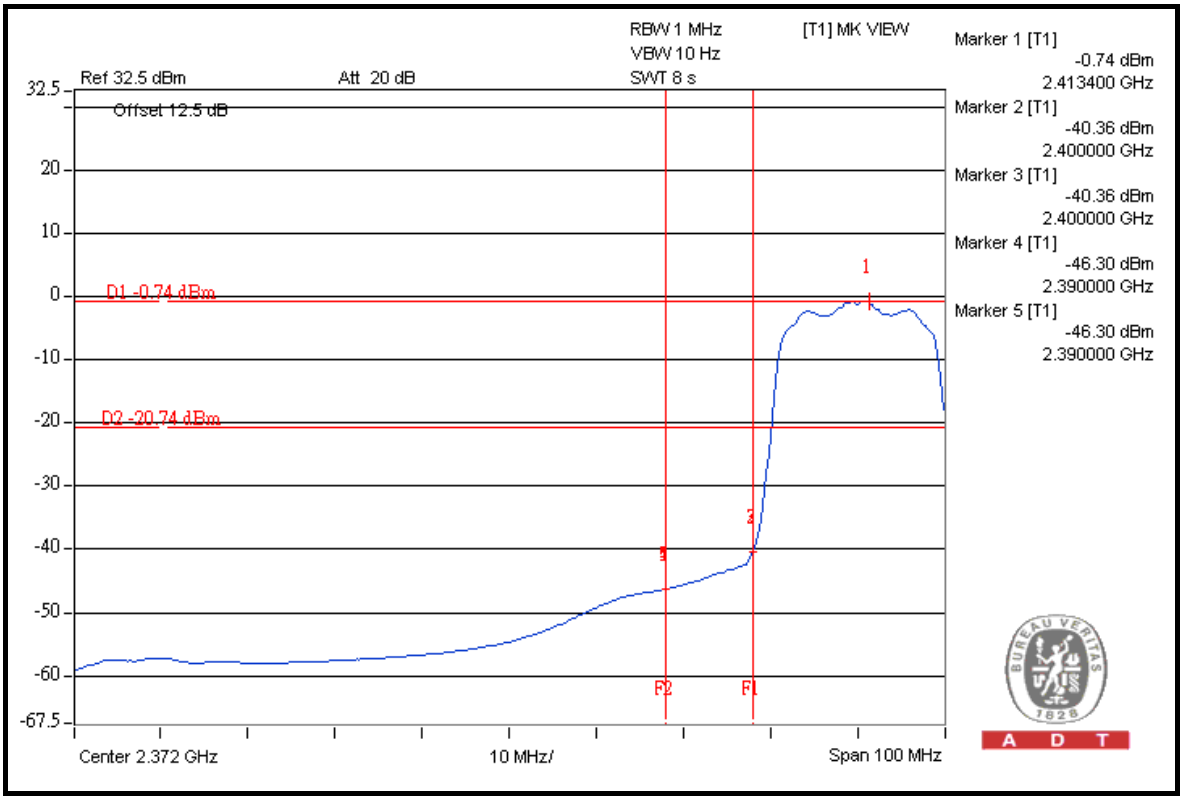

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 4.16 dBm
D2 -15.84 dBm
Marker 1 [T1]
4.16 dBm
2.463200 GHz
Marker 2 [T1]
-42.82 dBm
2.483500 GHz
Marker 3 [T1]
-41.19 dBm
2.490000 GHz
Marker 4 [T1]
-48.36 dBm
2.500000 GHz
Center 2.502 GHz
10 MHz/
Span 100 MHz

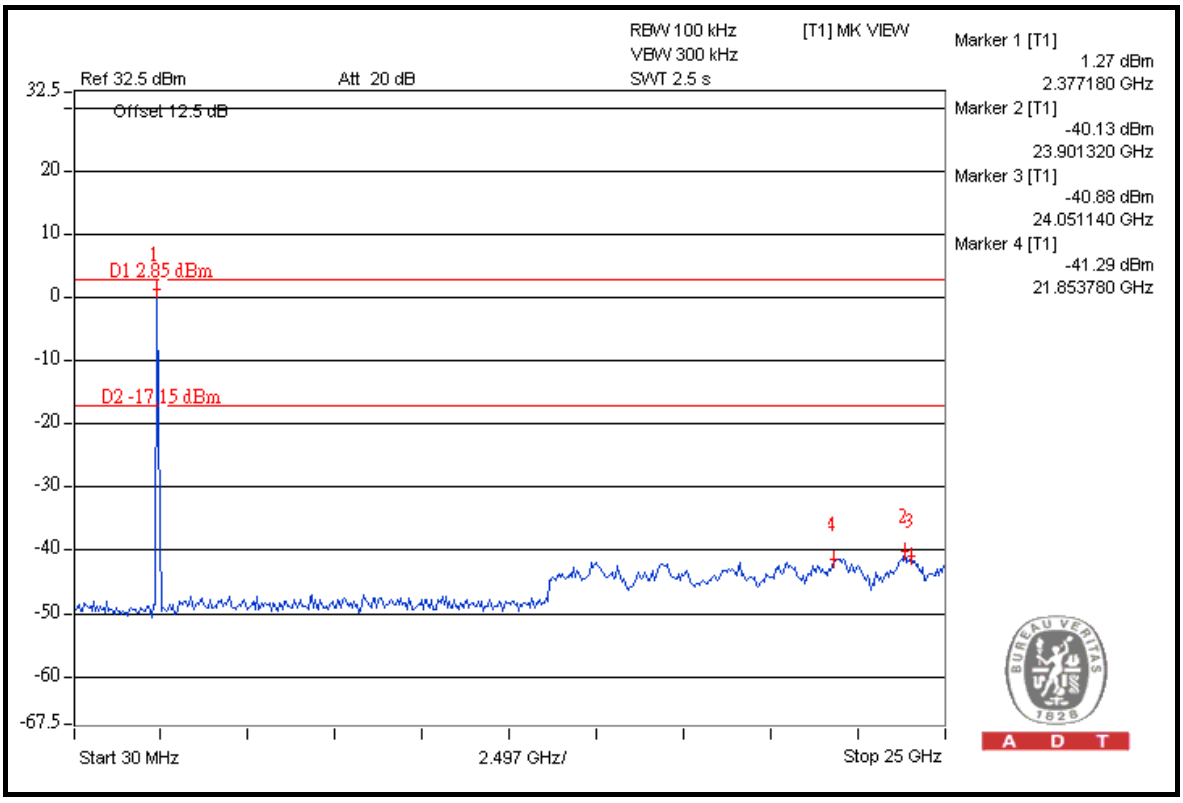

RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
Marker 1 [T1]
-0.39 dBm
2.461200 GHz
Marker 2 [T1]
-45.45 dBm
2.483500 GHz
Marker 3 [T1]
-45.25 dBm
2.484000 GHz
Marker 4 [T1]
-51.53 dBm
2.500000 GHz
D1 -0.39 dBm
D2 -20.39 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz

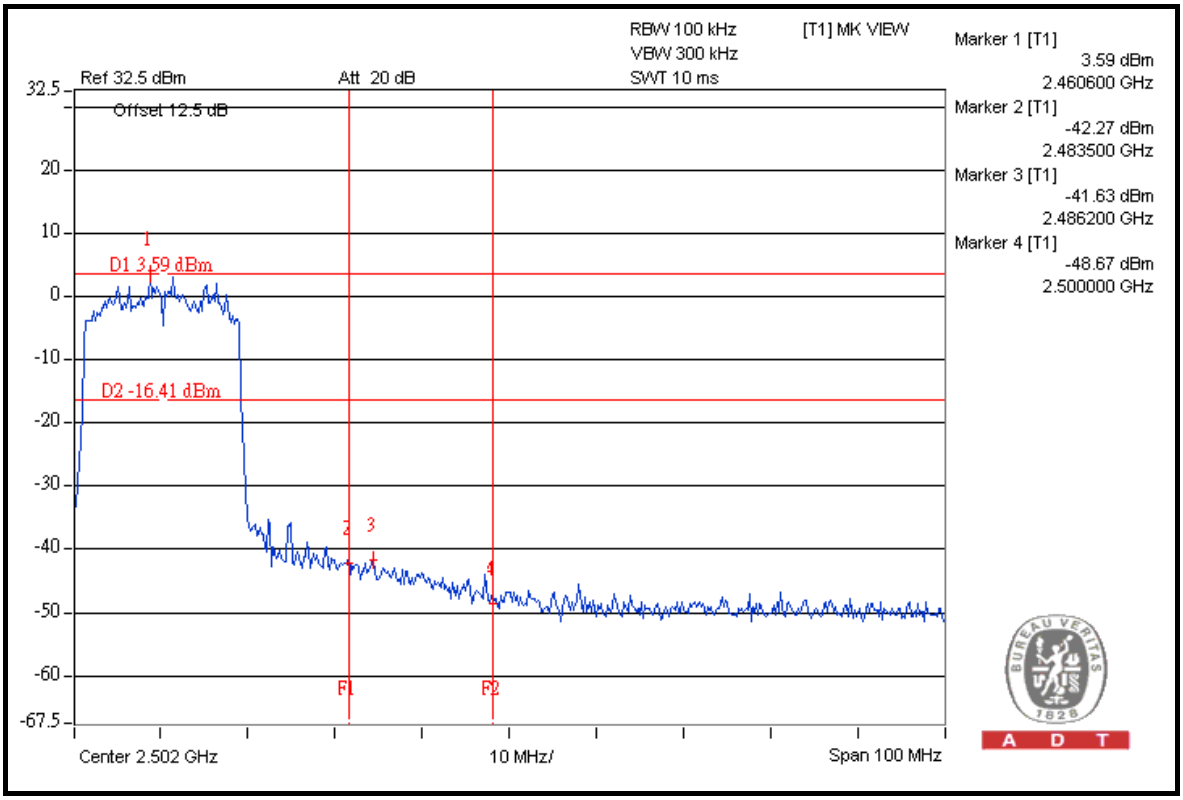

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
Marker 1 [T1]
2.92 dBm
2.427120 GHz
Marker 2 [T1]
-39.72 dBm
22.003600 GHz
Marker 3 [T1]
-39.82 dBm
23.901320 GHz
Marker 4 [T1]
-39.99 dBm
24.101080 GHz
D1 4.16 dBm
D2 -15.84 dBm
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Start 30 MHz
2.497 GHz/
Stop 25 GHz

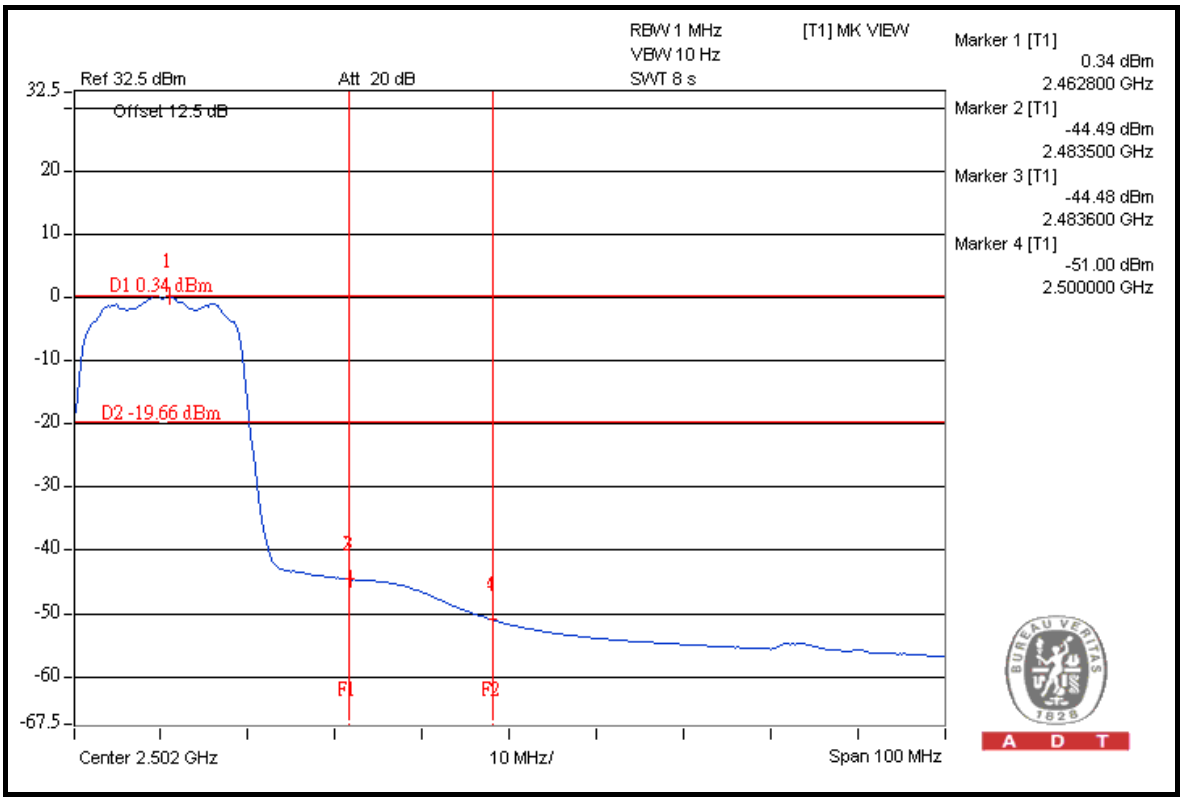
ANT 1

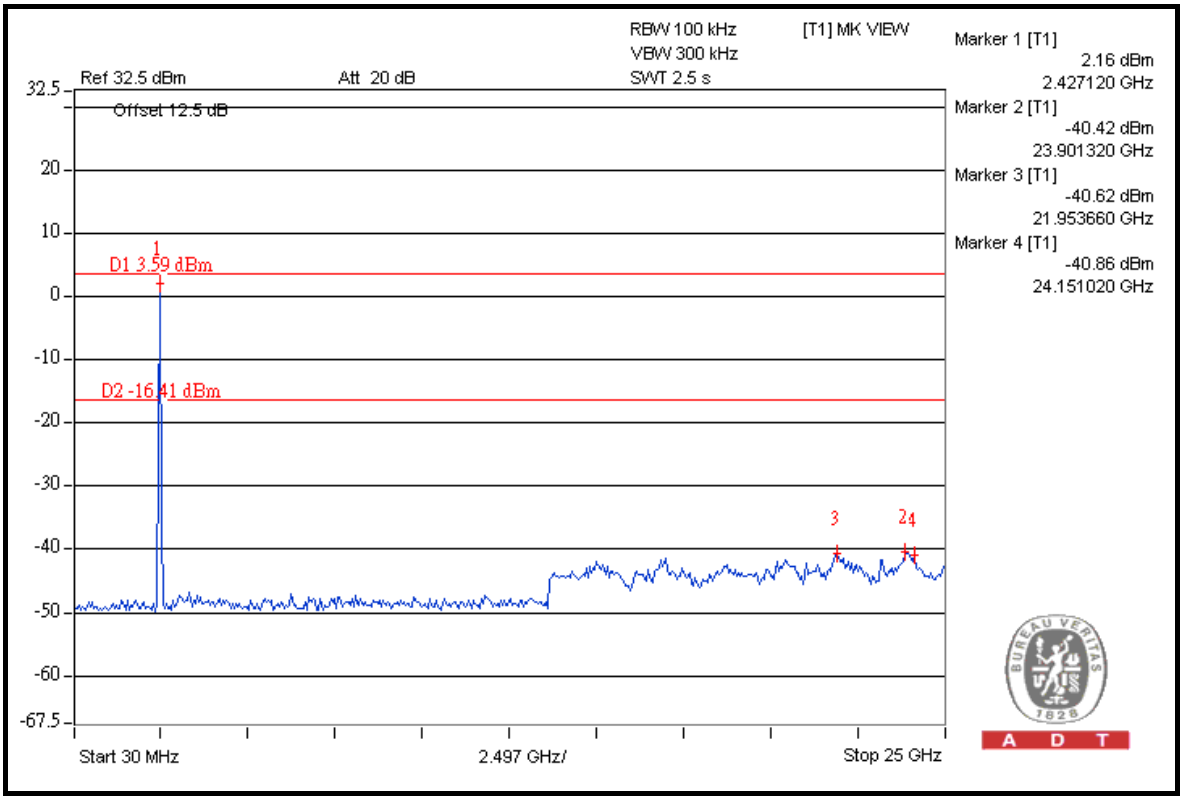

RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 2.85 dBm
D2 -17.15 dBm
Marker 1 [T1]
2.85 dBm
2.413400 GHz
Marker 2 [T1]
-39.09 dBm
2.400000 GHz
Marker 3 [T1]
-38.04 dBm
2.396800 GHz
Marker 4 [T1]
-43.22 dBm
2.390000 GHz
Marker 5 [T1]
-43.19 dBm
2.389800 GHz
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
F2
F1
Center 2.372 GHz
10 MHz/
Span 100 MHz


RBW 1 MHz
VBW 10 Hz
SWT 8 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -0.74 dBm
D2 -20.74 dBm
Marker 1 [T1]
-0.74 dBm
2.413400 GHz
Marker 2 [T1]
-40.36 dBm
2.400000 GHz
Marker 3 [T1]
-40.36 dBm
2.400000 GHz
Marker 4 [T1]
-46.30 dBm
2.390000 GHz
Marker 5 [T1]
-46.30 dBm
2.390000 GHz
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
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 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 2.85 dBm
D2 -17.15 dBm
Marker 1 [T1]
1.27 dBm
2.377180 GHz
Marker 2 [T1]
-40.13 dBm
23.901320 GHz
Marker 3 [T1]
-40.88 dBm
24.051140 GHz
Marker 4 [T1]
-41.29 dBm
21.853780 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 3.59 dBm
D2 -16.41 dBm
Marker 1 [T1]
3.59 dBm
2.460600 GHz
Marker 2 [T1]
-42.27 dBm
2.483500 GHz
Marker 3 [T1]
-41.63 dBm
2.486200 GHz
Marker 4 [T1]
-48.67 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
Marker 1 [T1]
0.34 dBm
2.462800 GHz
Marker 2 [T1]
-44.49 dBm
2.483500 GHz
Marker 3 [T1]
-44.48 dBm
2.483600 GHz
Marker 4 [T1]
-51.00 dBm
2.500000 GHz
Ref 32.5 dBm
Offset 12.5 dB
Att 20 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 0.34 dBm
D2 -19.66 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
Marker 1 [T1]
2.16 dBm
2.427120 GHz
Marker 2 [T1]
-40.42 dBm
23.901320 GHz
Marker 3 [T1]
-40.62 dBm
21.953660 GHz
Marker 4 [T1]
-40.86 dBm
24.151020 GHz
Ref 32.5 dBm
Offset 12.5 dB
Att 20 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 3.59 dBm
D2 -16.41 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

802.11n (40MHz): 1TX (Ant 0)

RESTRICT BAND (2310 ~ 2390 MHz)

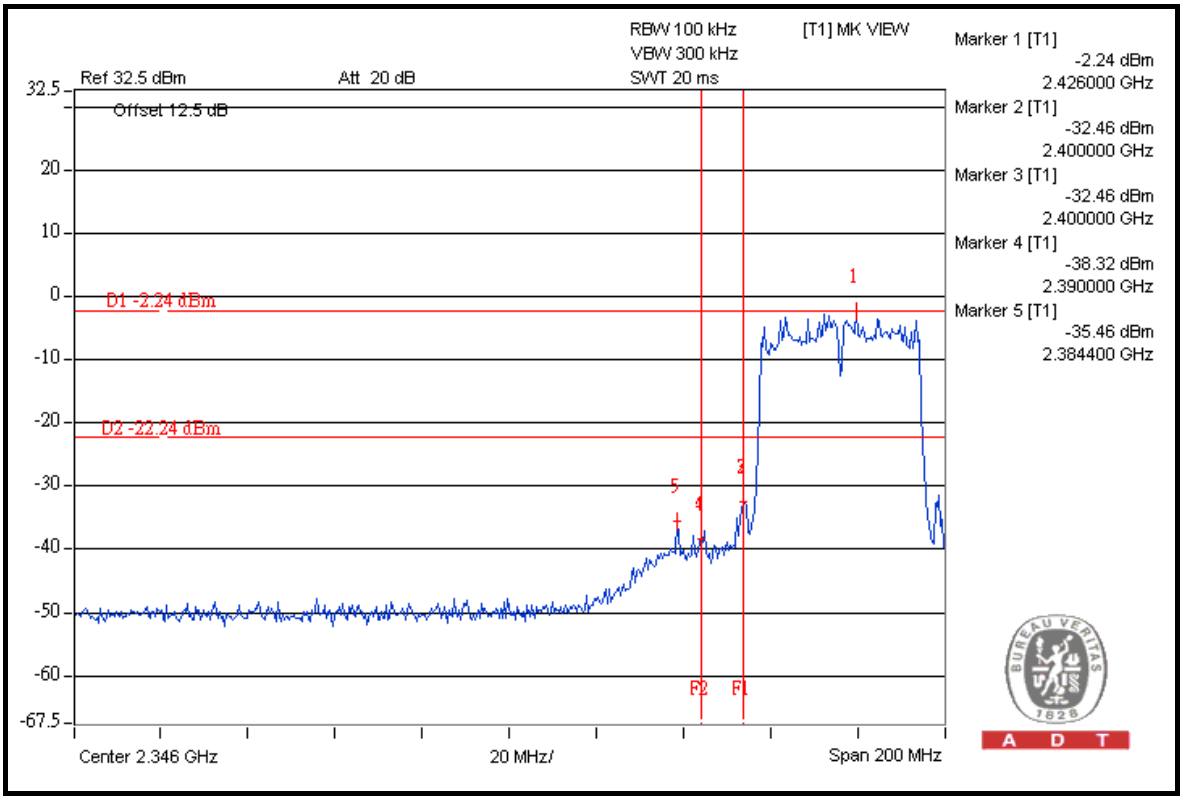
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	101.50	33.22	68.28	74.00
2422.00 (AV)	89.30	37.39	51.91	54.00

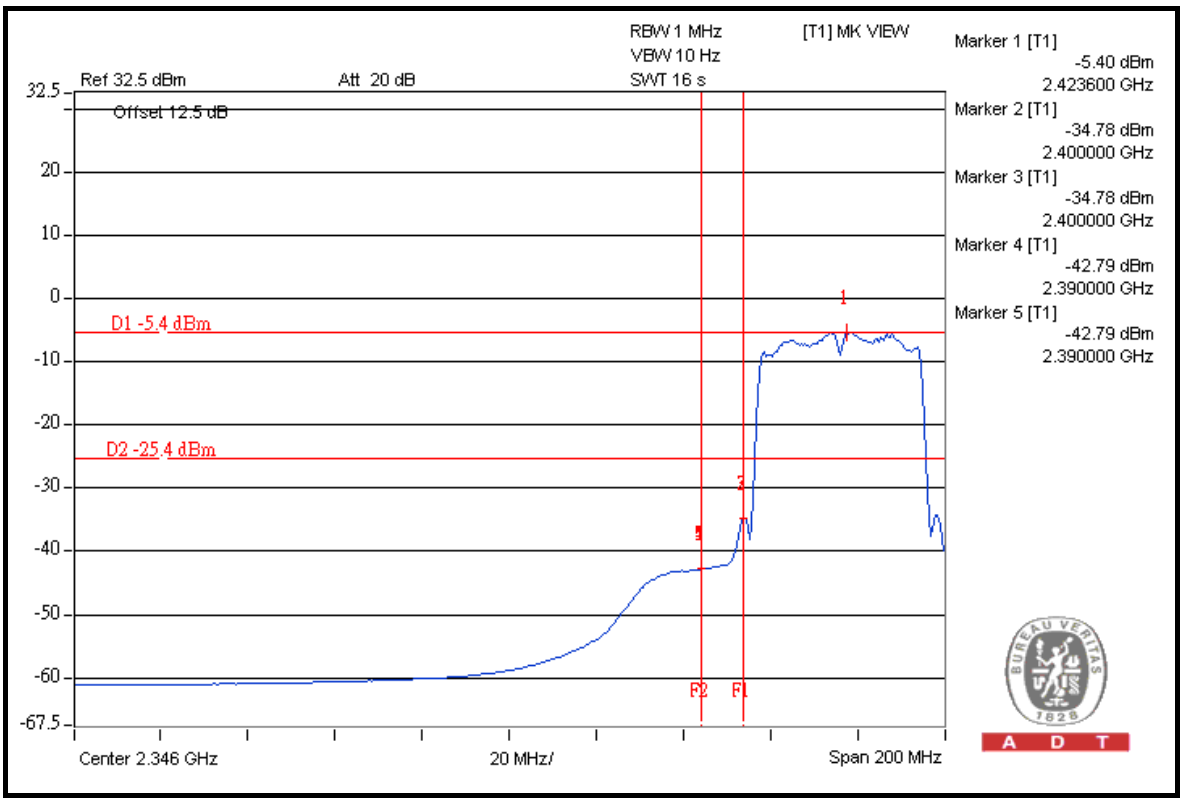
RESTRICT BAND (2483.5 ~ 2500 MHz)

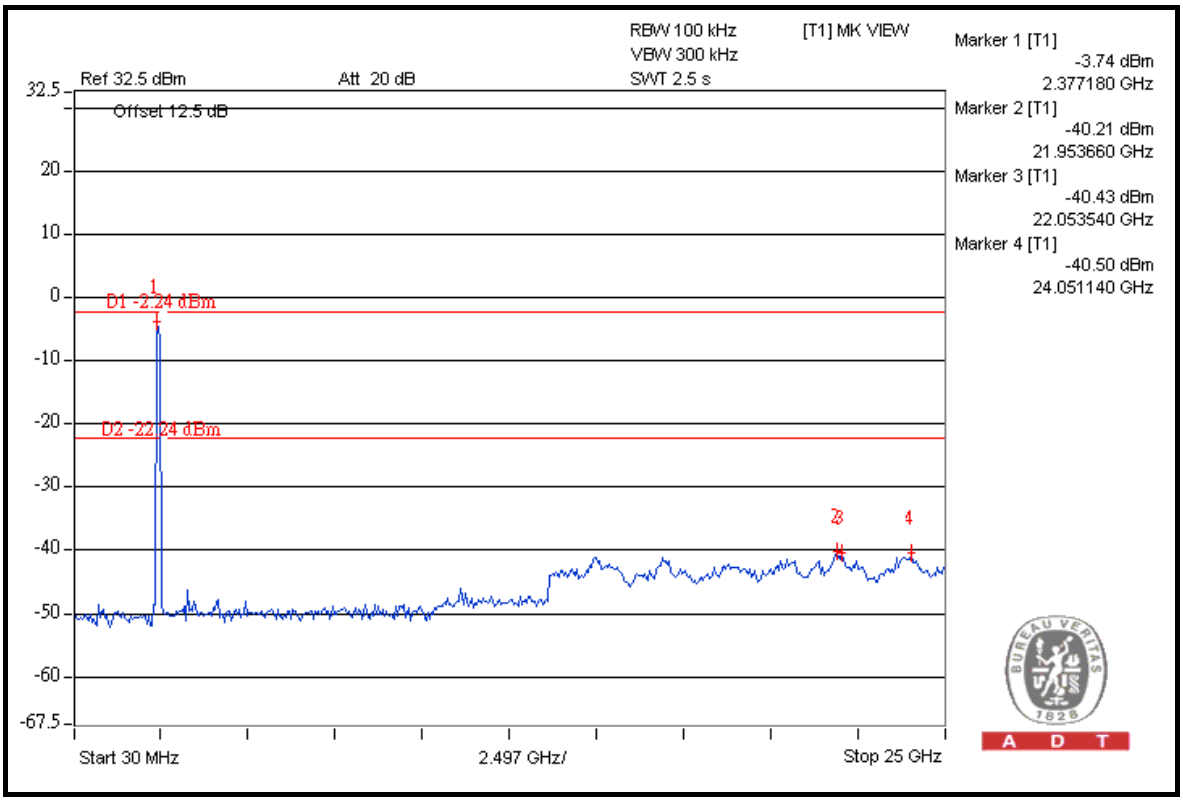
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	102.10	34.18	67.92	74.00
2452.00 (AV)	89.80	40.81	48.99	54.00

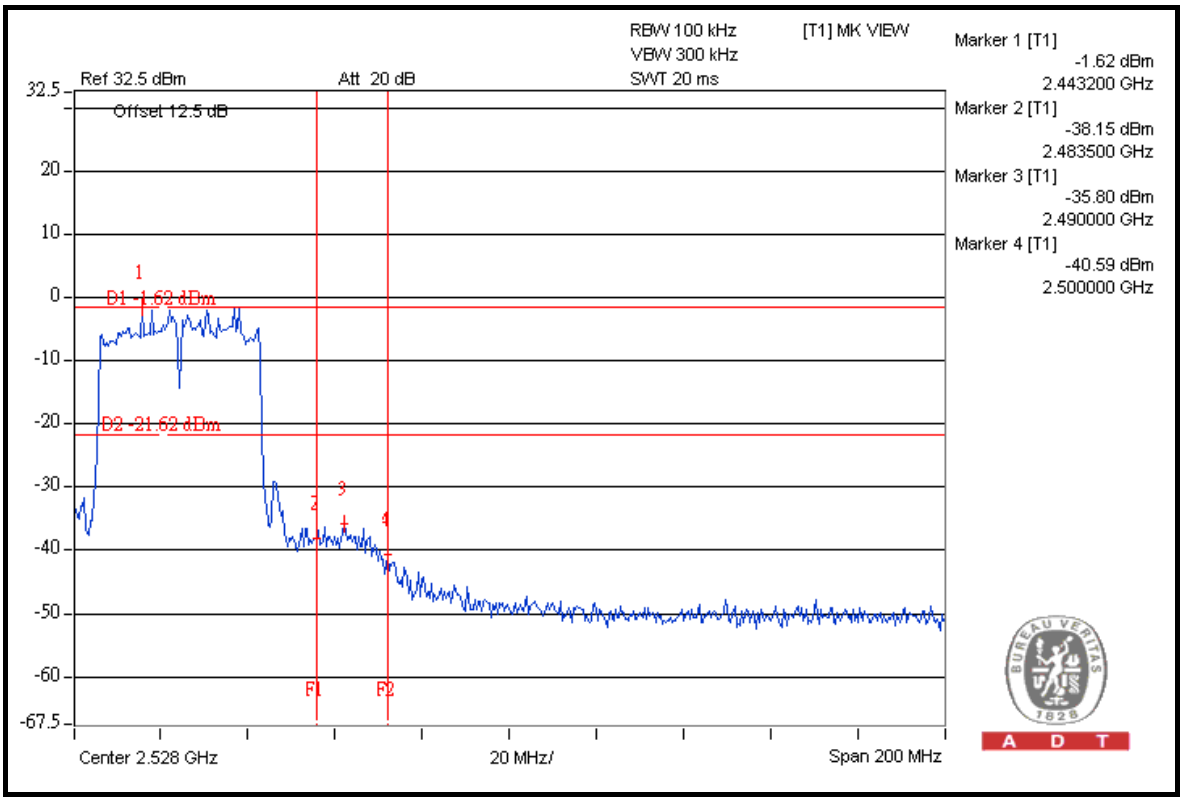
NOTE:

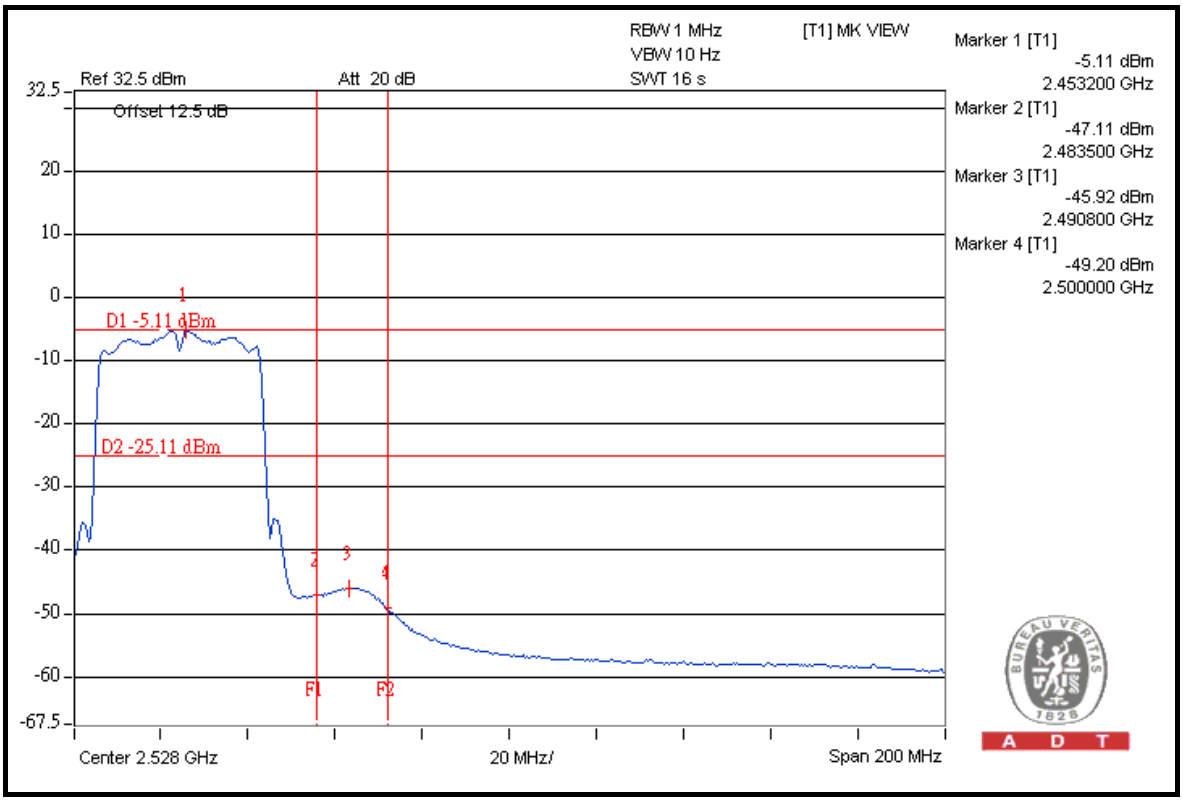
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

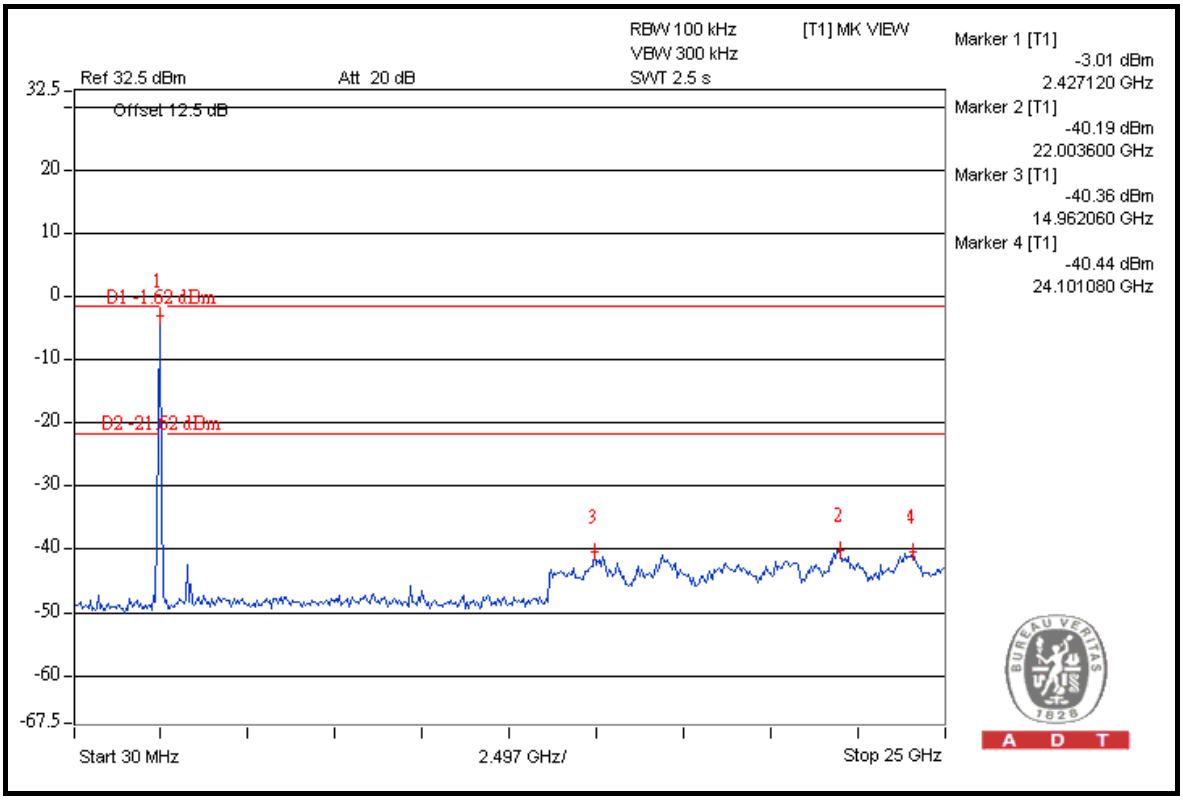

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -2.24 dBm
D2 -22.24 dBm
Marker 1 [T1]
-2.24 dBm
2.426000 GHz
Marker 2 [T1]
-32.46 dBm
2.400000 GHz
Marker 3 [T1]
-32.46 dBm
2.400000 GHz
Marker 4 [T1]
-38.32 dBm
2.390000 GHz
Marker 5 [T1]
-35.46 dBm
2.384400 GHz
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Center 2.346 GHz
20 MHz/
Span 200 MHz


RBW 1 MHz
VBW 10 Hz
SWT 16 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -5.4 dBm
D2 -25.4 dBm
Marker 1 [T1]
-5.40 dBm
2.423600 GHz
Marker 2 [T1]
-34.78 dBm
2.400000 GHz
Marker 3 [T1]
-34.78 dBm
2.400000 GHz
Marker 4 [T1]
-42.79 dBm
2.390000 GHz
Marker 5 [T1]
-42.79 dBm
2.390000 GHz
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Center 2.346 GHz
20 MHz/
Span 200 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -2.24 dBm
D2 -22.24 dBm
Marker 1 [T1]
-3.74 dBm
2.377180 GHz
Marker 2 [T1]
-40.21 dBm
21.953660 GHz
Marker 3 [T1]
-40.43 dBm
22.053540 GHz
Marker 4 [T1]
-40.50 dBm
24.051140 GHz
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -1.62 dBm
D2 -21.62 dBm
Marker 1 [T1]
-1.62 dBm
2.443200 GHz
Marker 2 [T1]
-38.15 dBm
2.483500 GHz
Marker 3 [T1]
-35.80 dBm
2.490000 GHz
Marker 4 [T1]
-40.59 dBm
2.500000 GHz
F1
F2
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Center 2.528 GHz
20 MHz/
Span 200 MHz


RBW 1 MHz
VBW 10 Hz
SWT 16 s
[T1] MK VIEW
Marker 1 [T1]
-5.11 dBm
2.453200 GHz
Marker 2 [T1]
-47.11 dBm
2.483500 GHz
Marker 3 [T1]
-45.92 dBm
2.490800 GHz
Marker 4 [T1]
-49.20 dBm
2.500000 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 -5.11 dBm
D2 -25.11 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
Marker 1 [T1]
-3.01 dBm
2.427120 GHz
Marker 2 [T1]
-40.19 dBm
22.003600 GHz
Marker 3 [T1]
-40.36 dBm
14.962060 GHz
Marker 4 [T1]
-40.44 dBm
24.101080 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 -1.62 dBm
D2 -21.62 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

802.11n (40MHz): 1TX (Ant 1)

RESTRICT BAND (2310 ~ 2390 MHz)

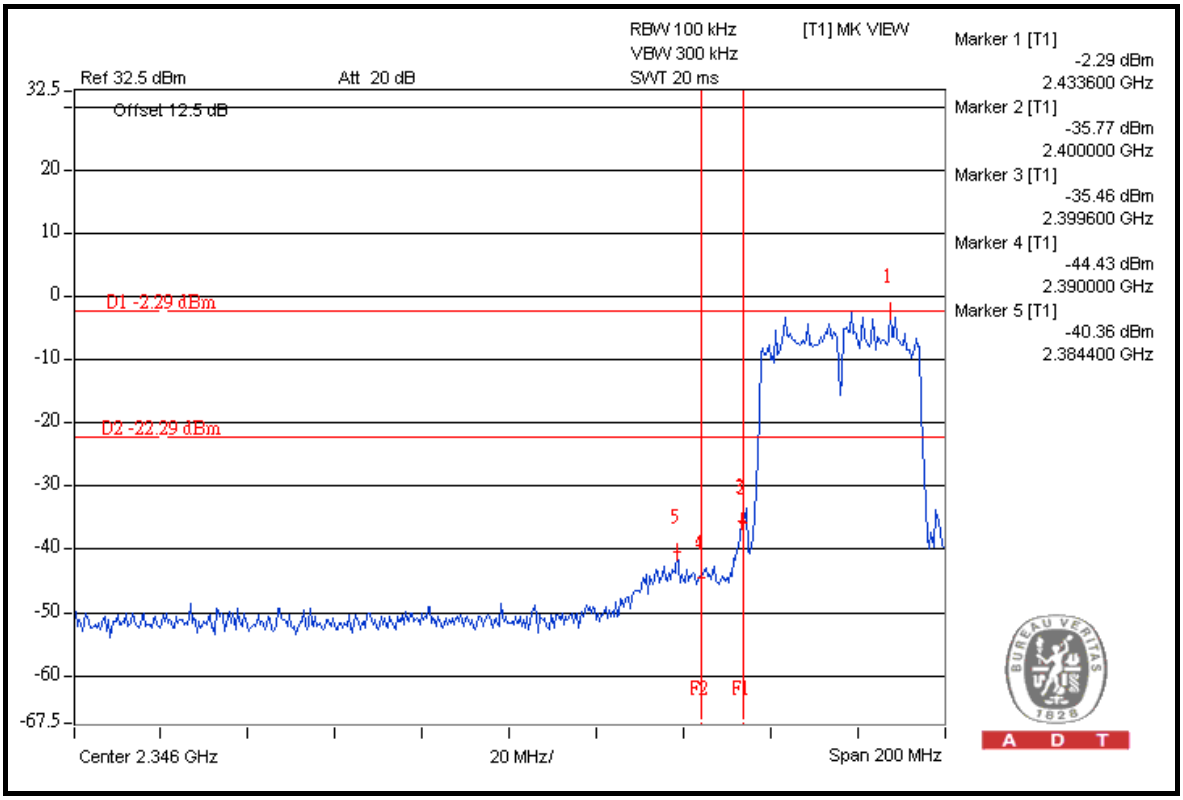
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2422.00 (PK)	100.70	38.07	62.63	74.00
2422.00 (AV)	88.50	39.51	48.99	54.00

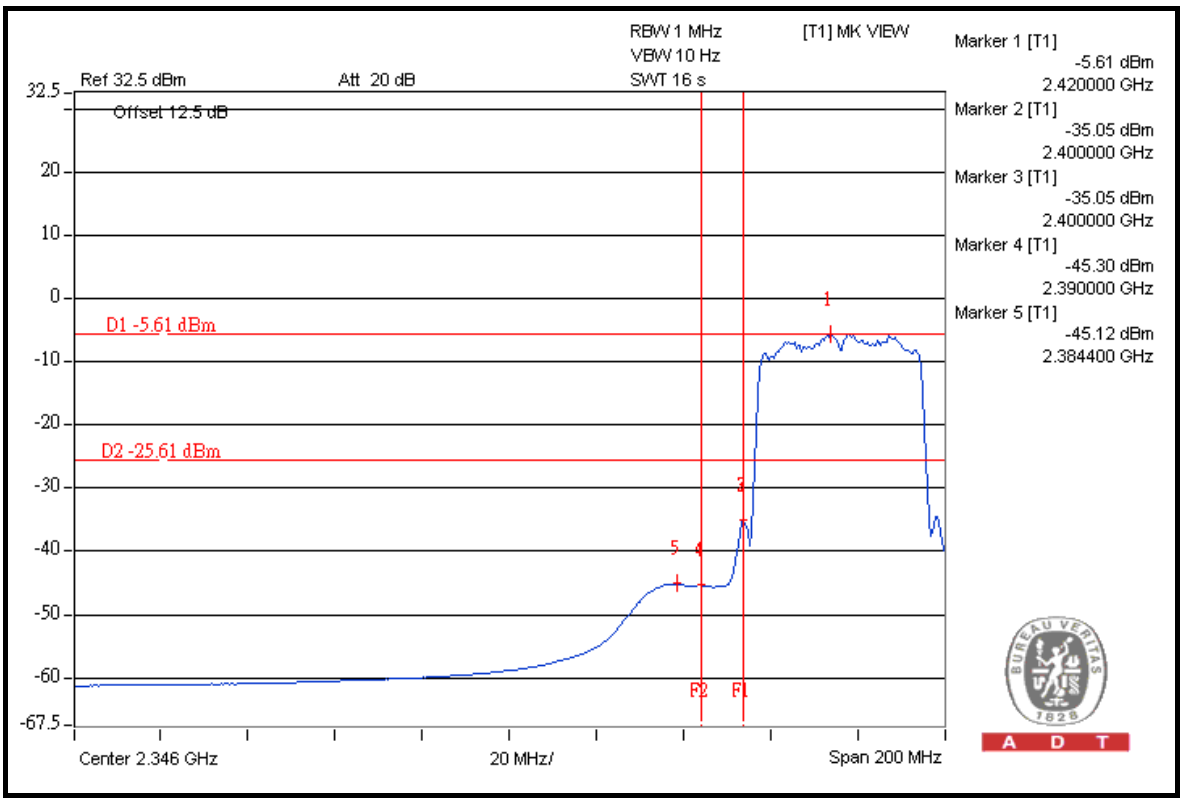
RESTRICT BAND (2483.5 ~ 2500 MHz)

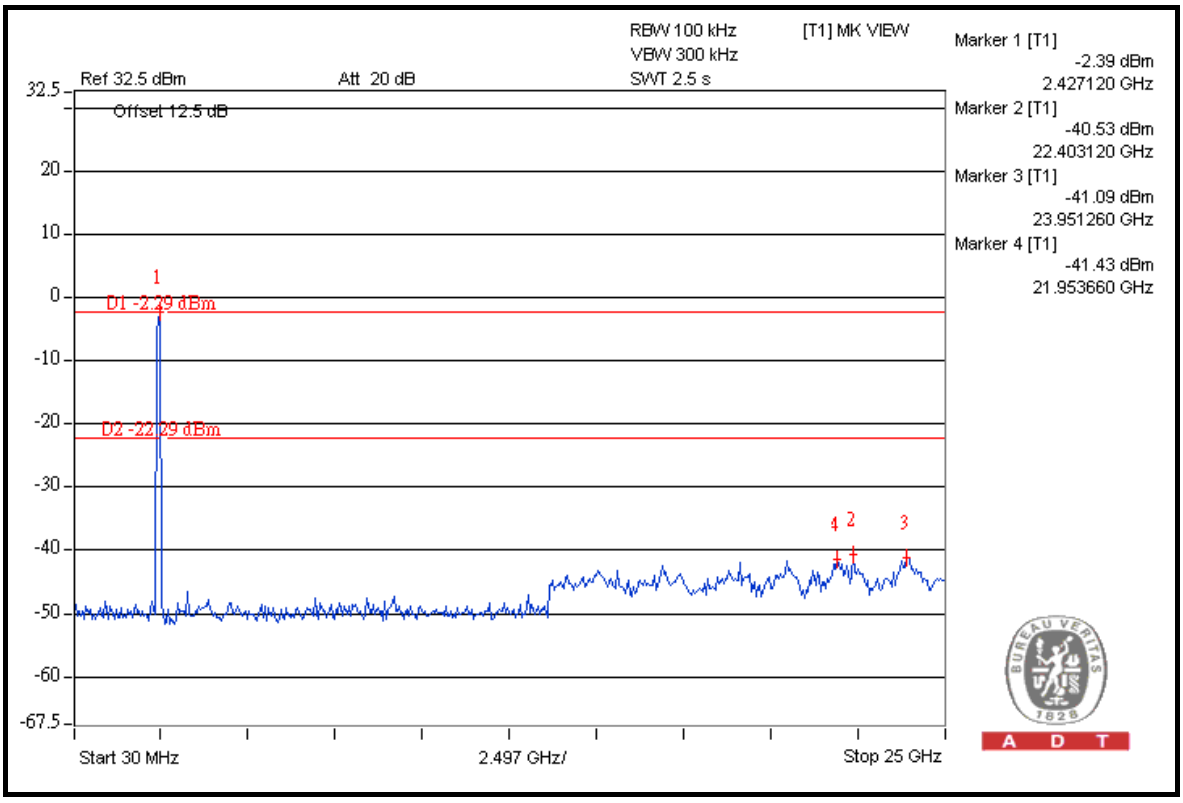
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	101.20	36.85	64.35	74.00
2452.00 (AV)	89.30	38.41	50.89	54.00

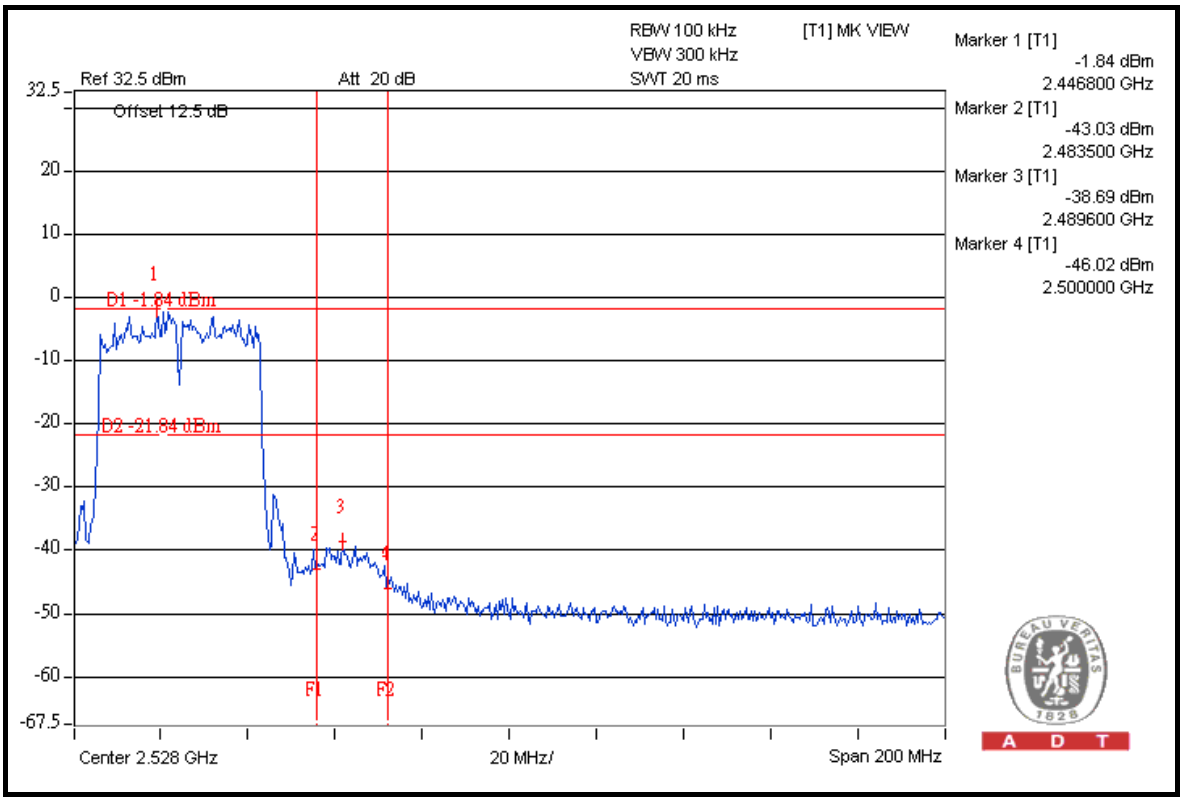
NOTE:

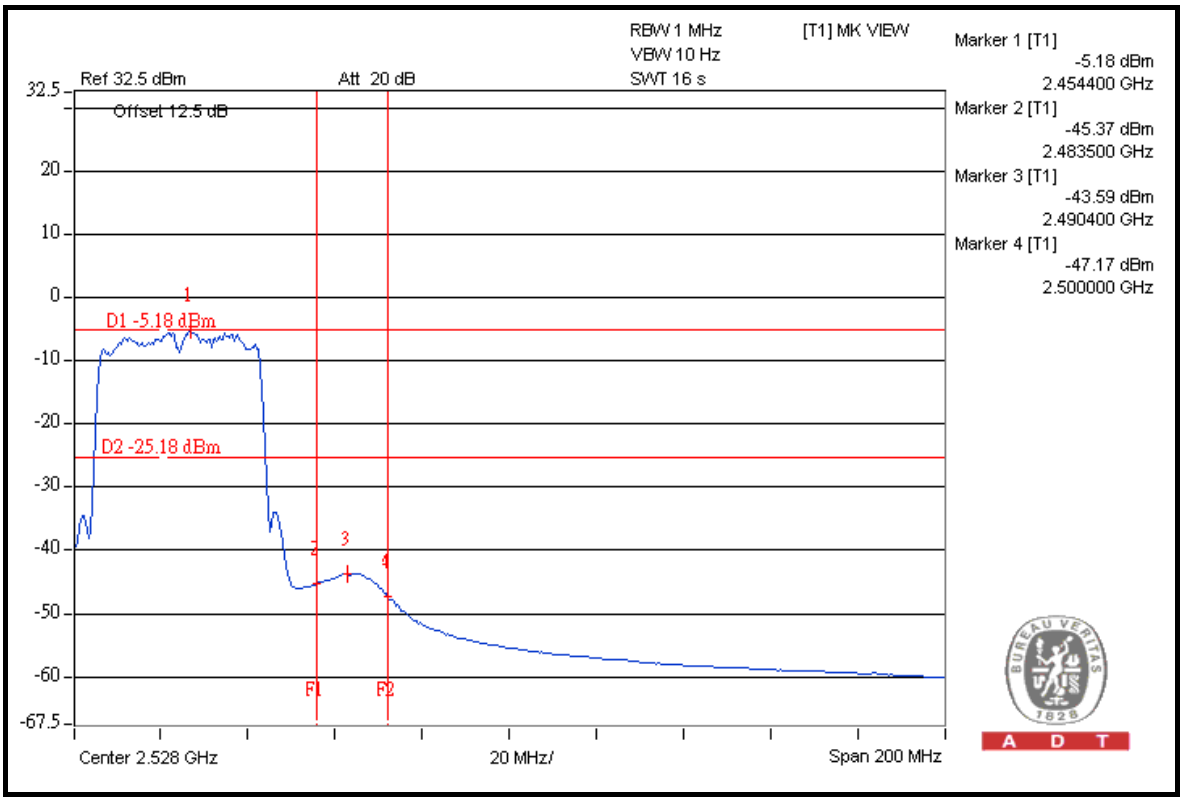
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

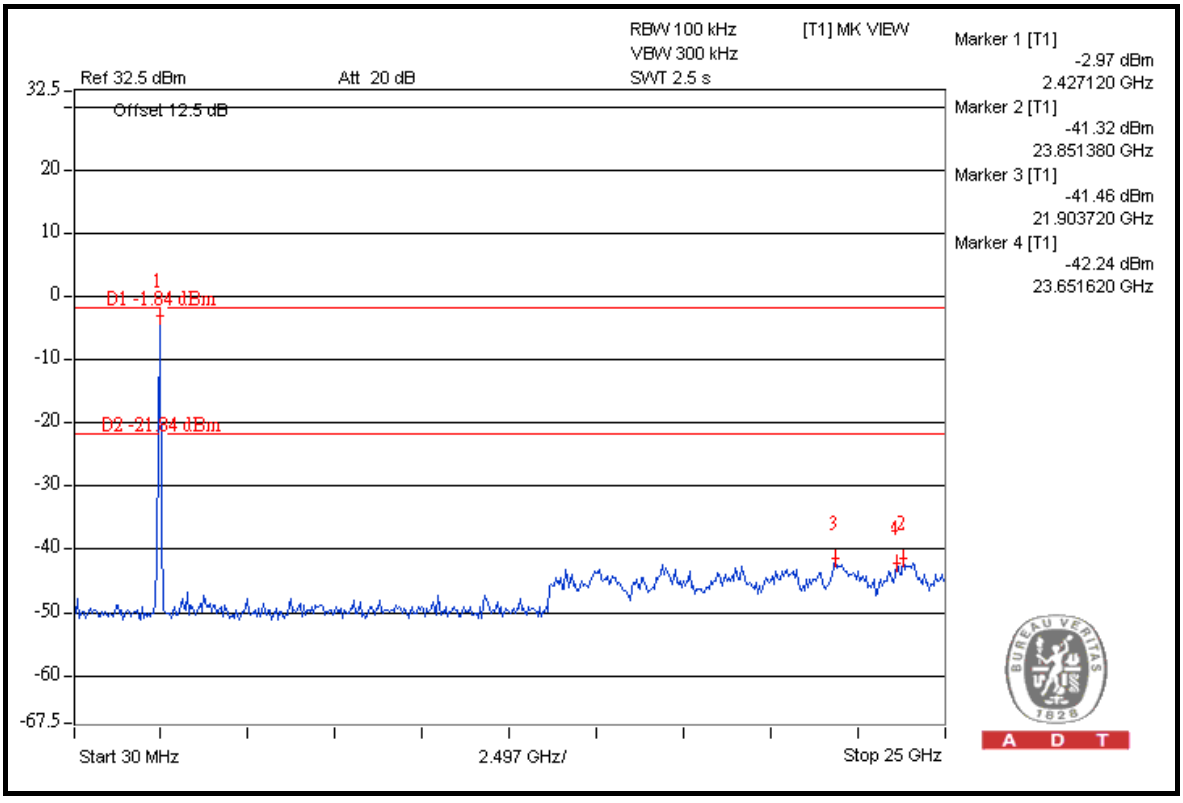

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -2.29 dBm
D2 -22.29 dBm
Marker 1 [T1]
-2.29 dBm
2.433600 GHz
Marker 2 [T1]
-35.77 dBm
2.400000 GHz
Marker 3 [T1]
-35.46 dBm
2.399600 GHz
Marker 4 [T1]
-44.43 dBm
2.390000 GHz
Marker 5 [T1]
-40.36 dBm
2.384400 GHz
Center 2.346 GHz
20 MHz/
Span 200 MHz


RBW 1 MHz
VBW 10 Hz
SWT 16 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -5.61 dBm
D2 -25.61 dBm
Marker 1 [T1]
-5.61 dBm
2.420000 GHz
Marker 2 [T1]
-35.05 dBm
2.400000 GHz
Marker 3 [T1]
-35.05 dBm
2.400000 GHz
Marker 4 [T1]
-45.30 dBm
2.390000 GHz
Marker 5 [T1]
-45.12 dBm
2.384400 GHz
Center 2.346 GHz
20 MHz/
Span 200 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -2.39 dBm
D2 -22.39 dBm
Marker 1 [T1]
-2.39 dBm
2.427120 GHz
Marker 2 [T1]
-40.53 dBm
22.403120 GHz
Marker 3 [T1]
-41.09 dBm
23.951260 GHz
Marker 4 [T1]
-41.43 dBm
21.953660 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -1.84 dBm
D2 -21.84 dBm
Marker 1 [T1]
-1.84 dBm
2.446800 GHz
Marker 2 [T1]
-43.03 dBm
2.483500 GHz
Marker 3 [T1]
-38.69 dBm
2.489600 GHz
Marker 4 [T1]
-46.02 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
Marker 1 [T1]
-5.18 dBm
2.454400 GHz
Marker 2 [T1]
-45.37 dBm
2.483500 GHz
Marker 3 [T1]
-43.59 dBm
2.490400 GHz
Marker 4 [T1]
-47.17 dBm
2.500000 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 -5.18 dBm
D2 -25.18 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
Marker 1 [T1]
-2.97 dBm
2.427120 GHz
Marker 2 [T1]
-41.32 dBm
23.851380 GHz
Marker 3 [T1]
-41.46 dBm
21.903720 GHz
Marker 4 [T1]
-42.24 dBm
23.651620 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 -1.84 dBm
D2 -21.84 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

802.11n (40MHz): 2TX

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)	104.50	38.37	66.13	74.00
2422.00 (AV)	91.40	39.88	51.52	54.00

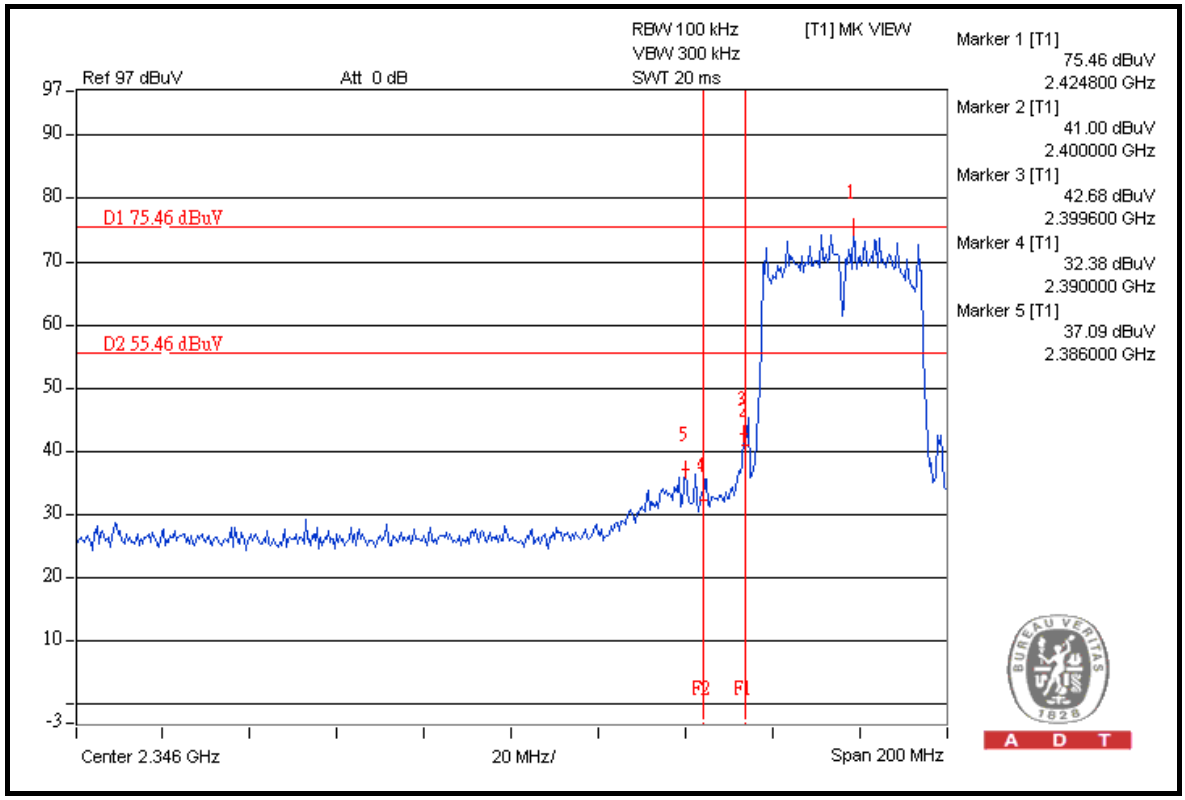
RESTRICT BAND (2483.5 ~ 2500 MHz)

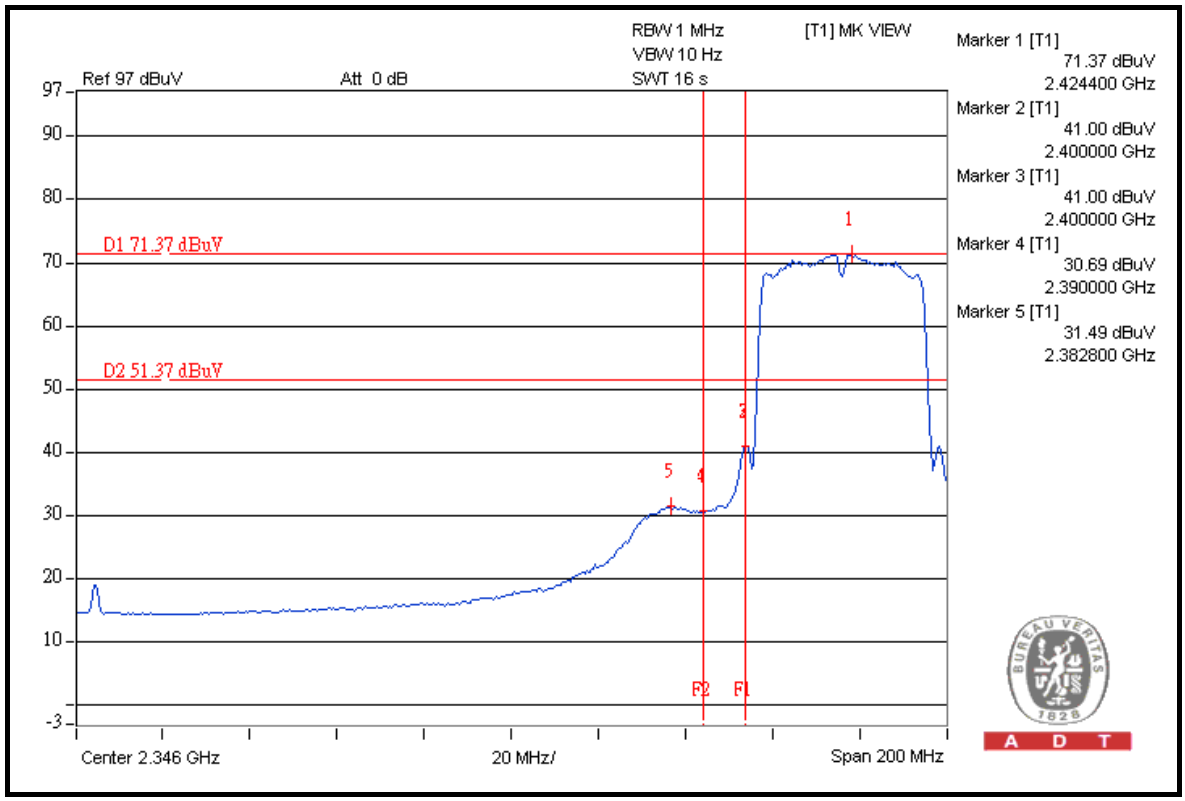
FREQUENCY (MHz)	FUNDAMENTAL EMISSION (dBuV/m)	DELTA (dB)	MAXIMUM FIELD STRENGTH IN RESTRICT BAND (dBuV/m)	LIMIT (dBuV/m)
2452.00 (PK)	104.80	36.03	68.77	74.00
2452.00 (AV)	91.60	40.21	51.39	54.00

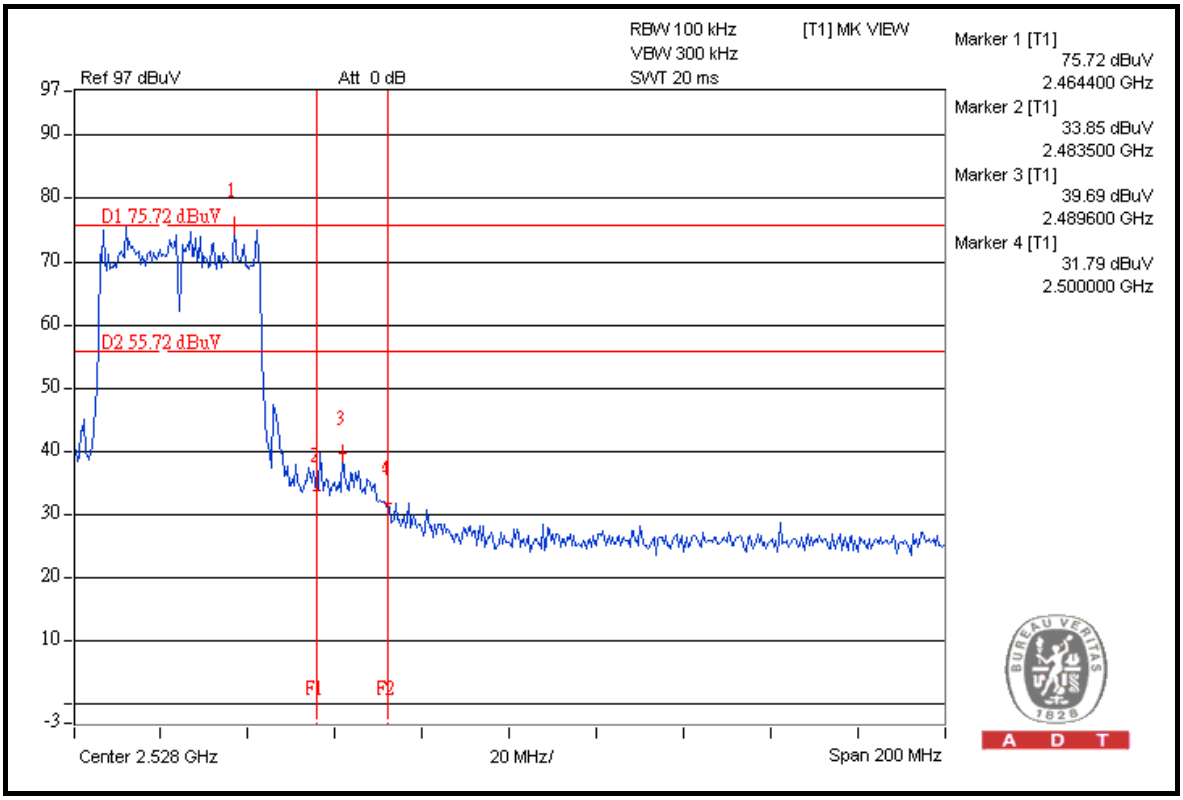
NOTE:

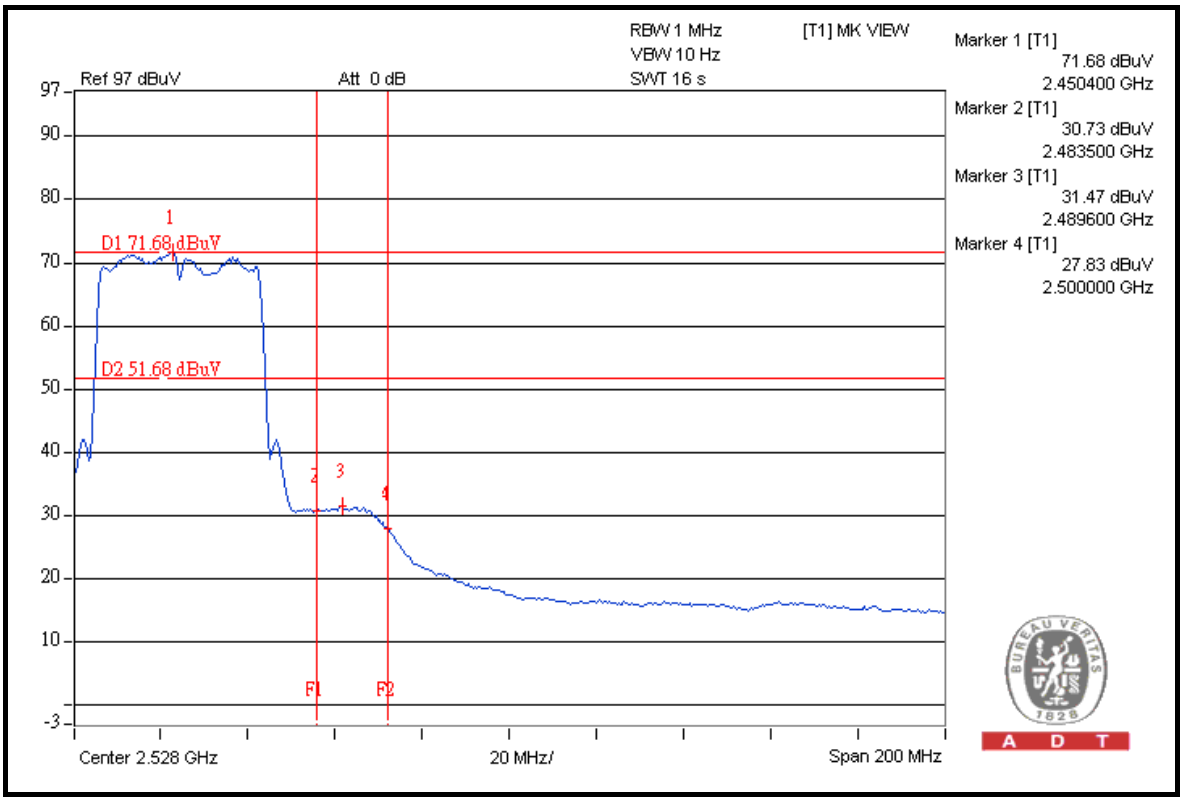
1. Delta = Amplitude between the peak of the fundamental and the peak of the band edge emission. Please check following 3 pages.
2. Maximum field strength in restrict band = Fundamental emission – Delta.

FOR RADIATED MEASURED (TWO CHAINS ON)



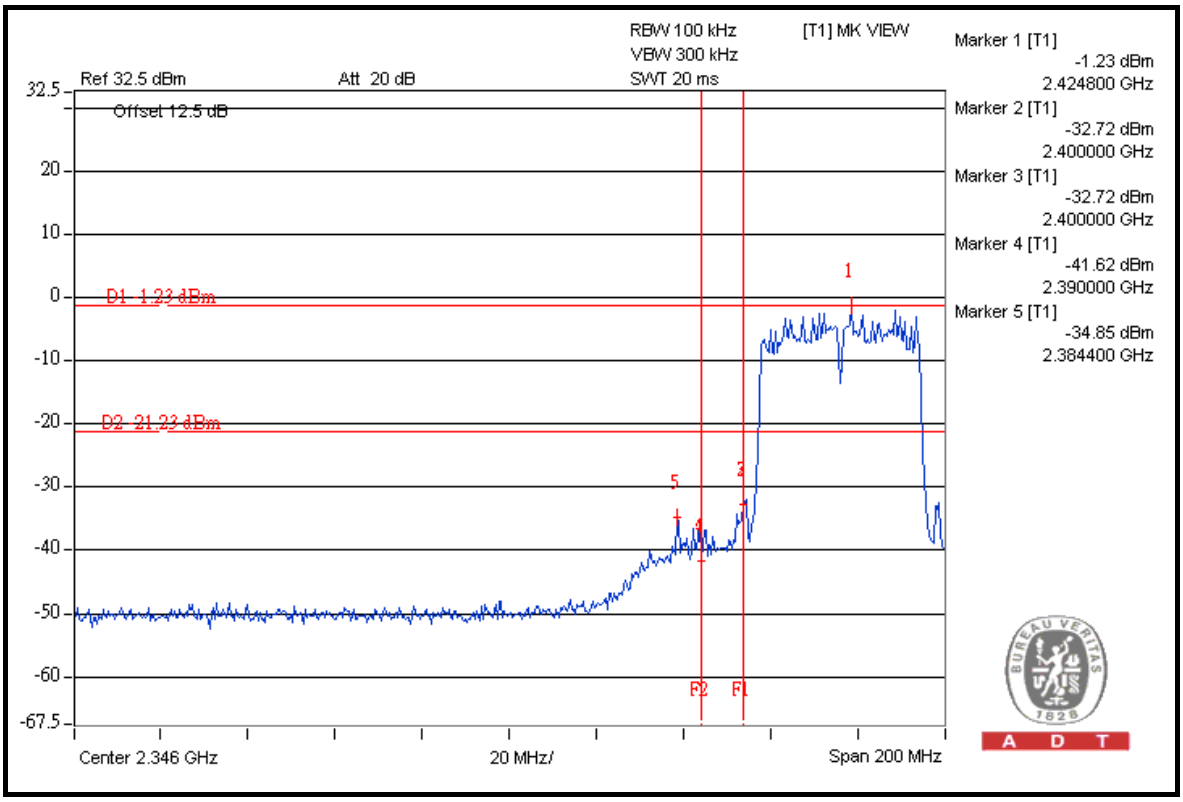


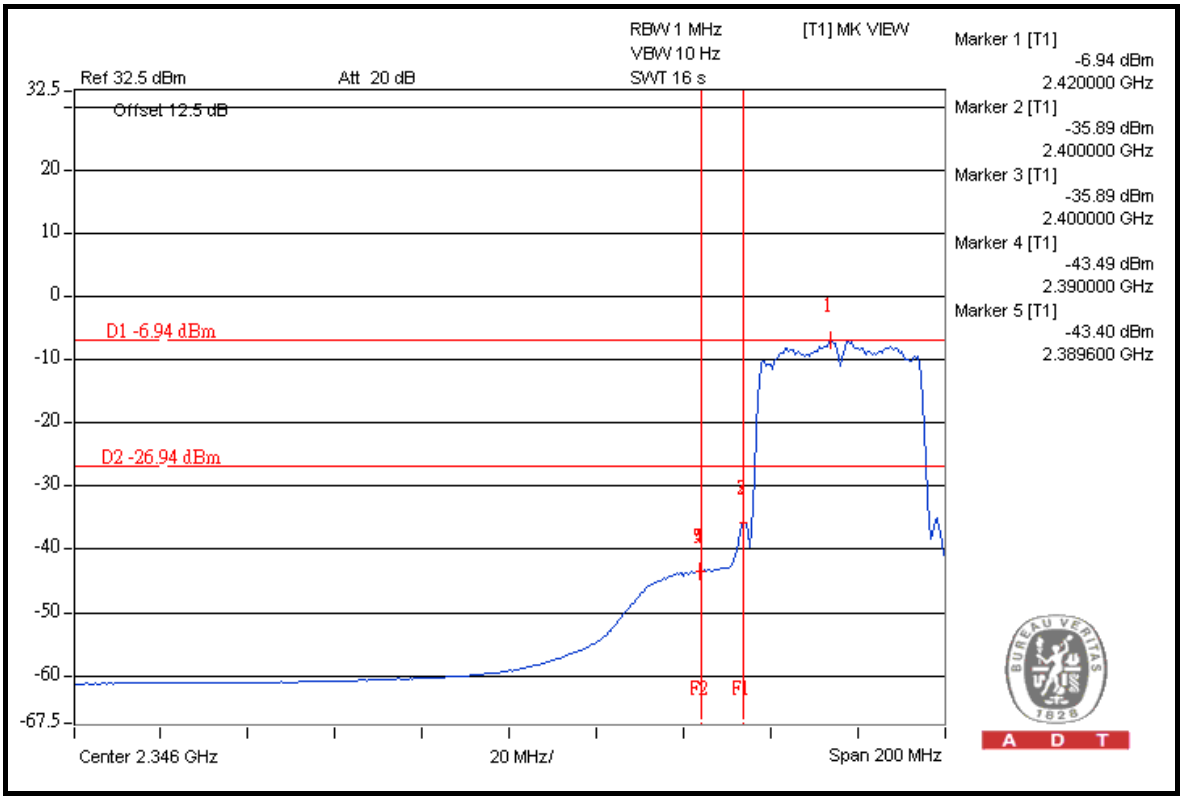

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 75.72 dBuV
D2 55.72 dBuV
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz
Marker 1 [T1]
75.72 dBuV
2.464400 GHz
Marker 2 [T1]
33.85 dBuV
2.483500 GHz
Marker 3 [T1]
39.69 dBuV
2.489600 GHz
Marker 4 [T1]
31.79 dBuV
2.500000 GHz

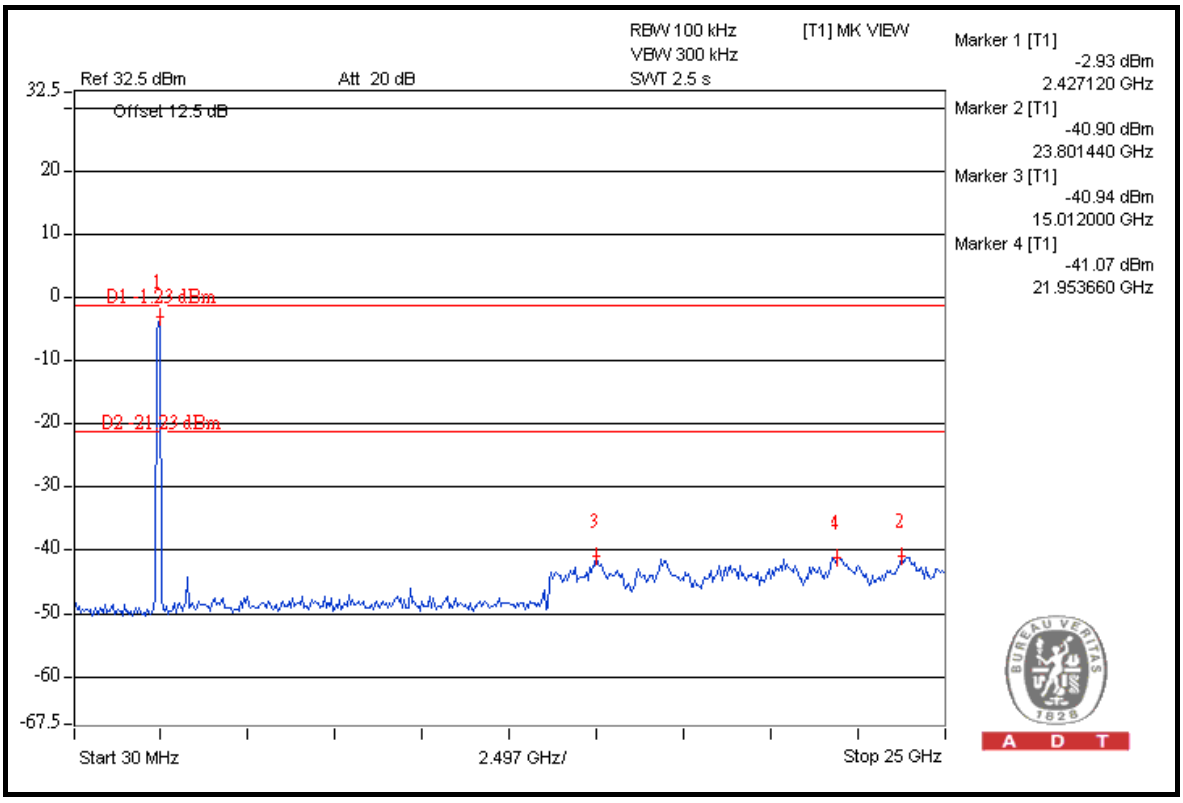

RBW 1 MHz
VBW 10 Hz
SWT 16 s
[T1] MK VIEW
Ref 97 dBuV
Att 0 dB
D1 71.68 dBuV
D2 51.68 dBuV
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz
Marker 1 [T1]
71.68 dBuV
2.450400 GHz
Marker 2 [T1]
30.73 dBuV
2.483500 GHz
Marker 3 [T1]
31.47 dBuV
2.489600 GHz
Marker 4 [T1]
27.83 dBuV
2.500000 GHz

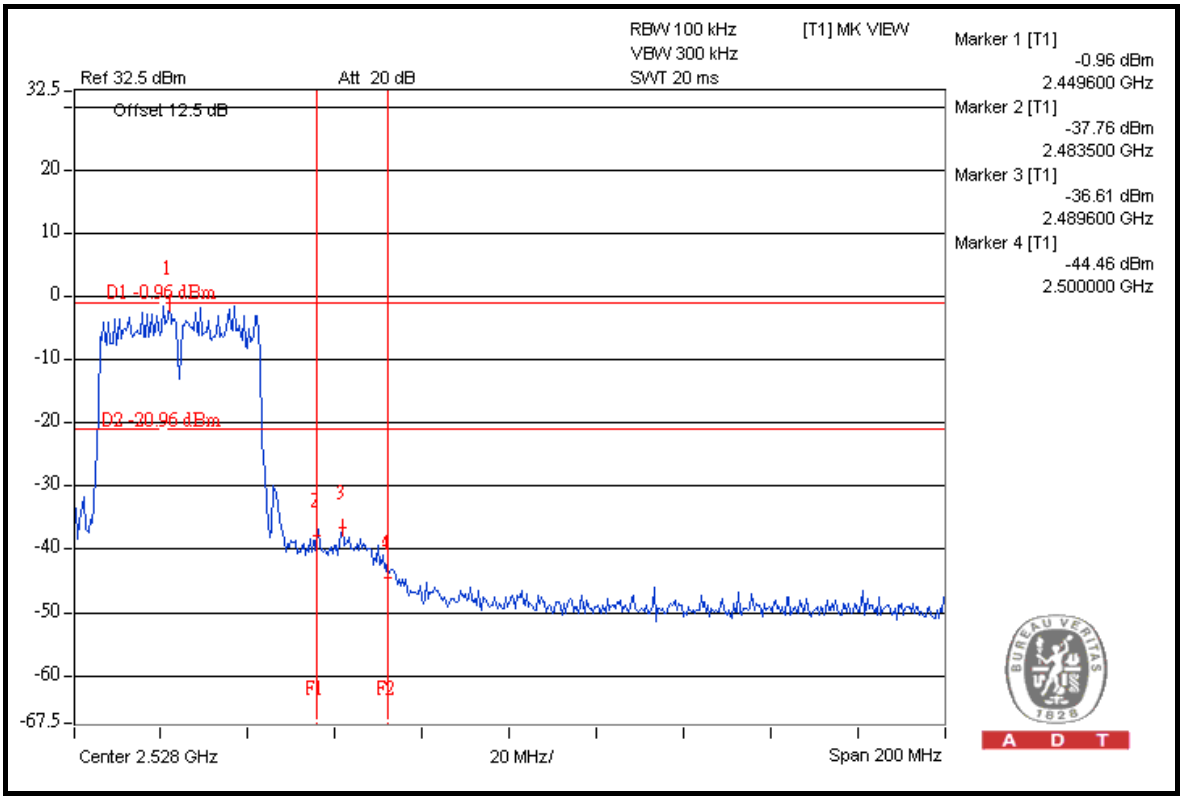
FOR CONDUCTED MEASURED

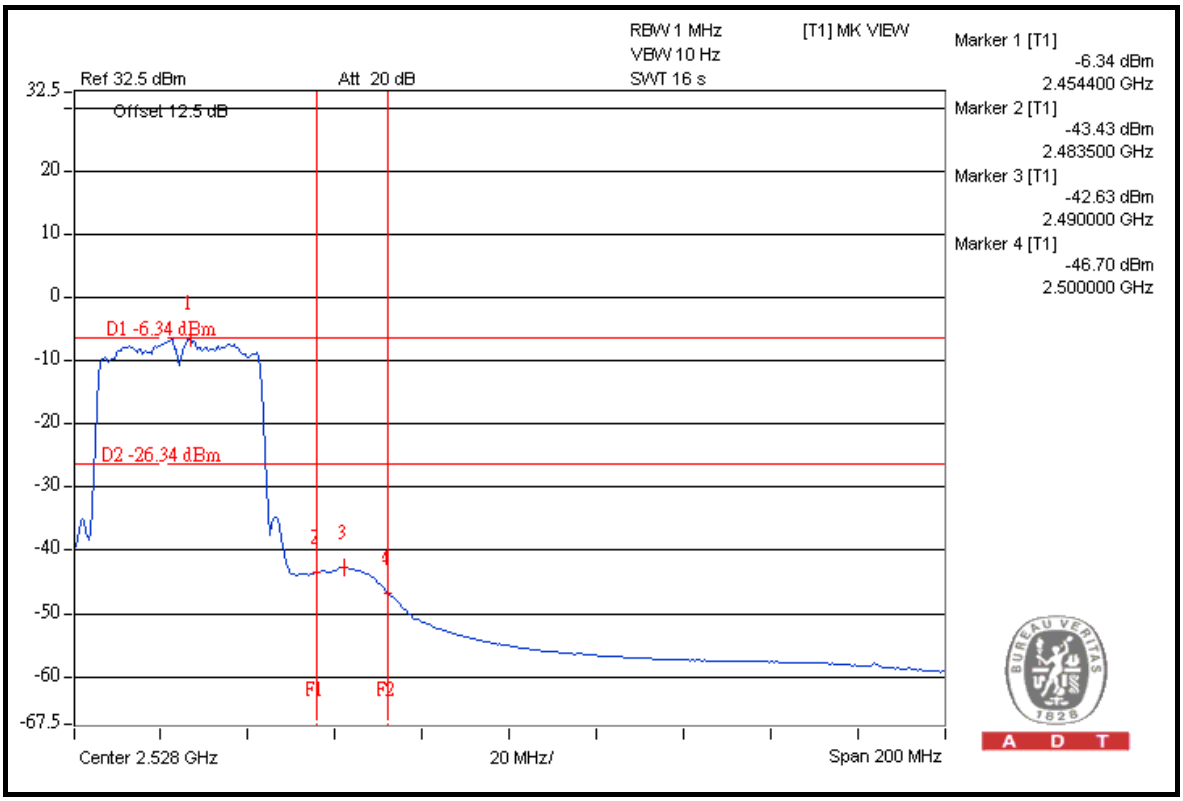
ANT 0

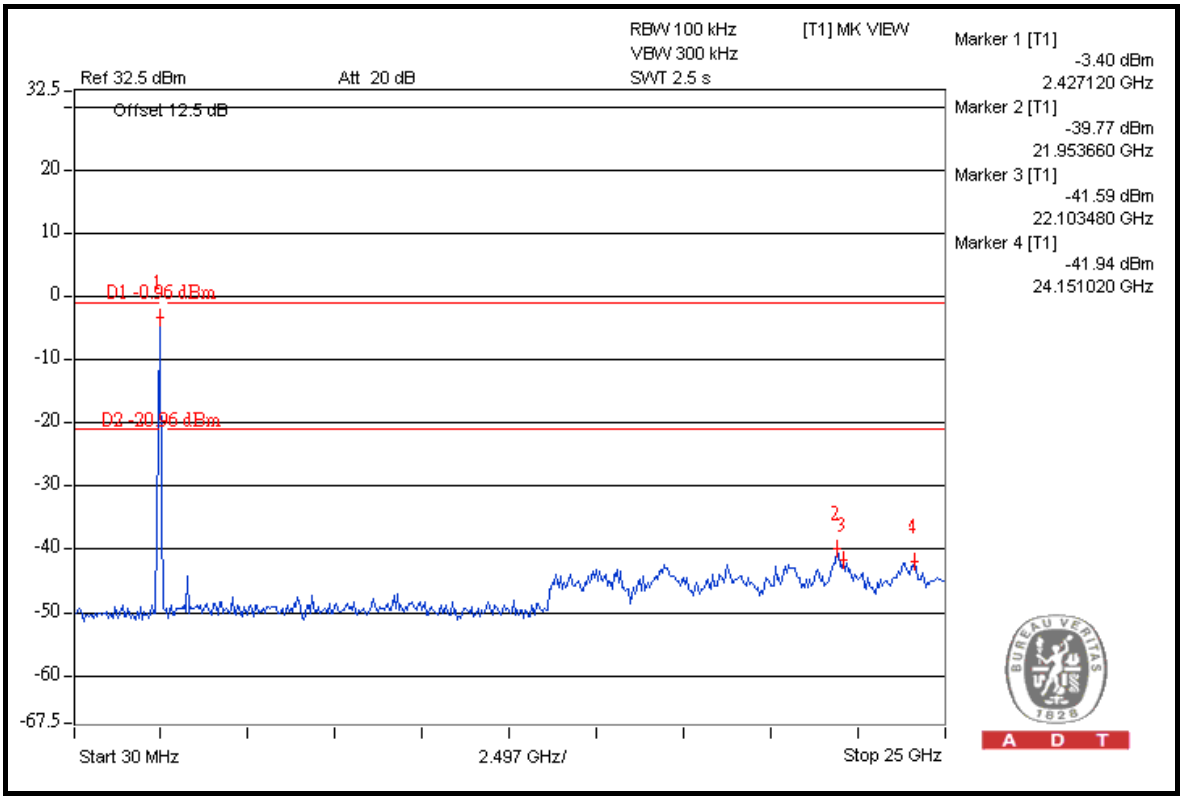




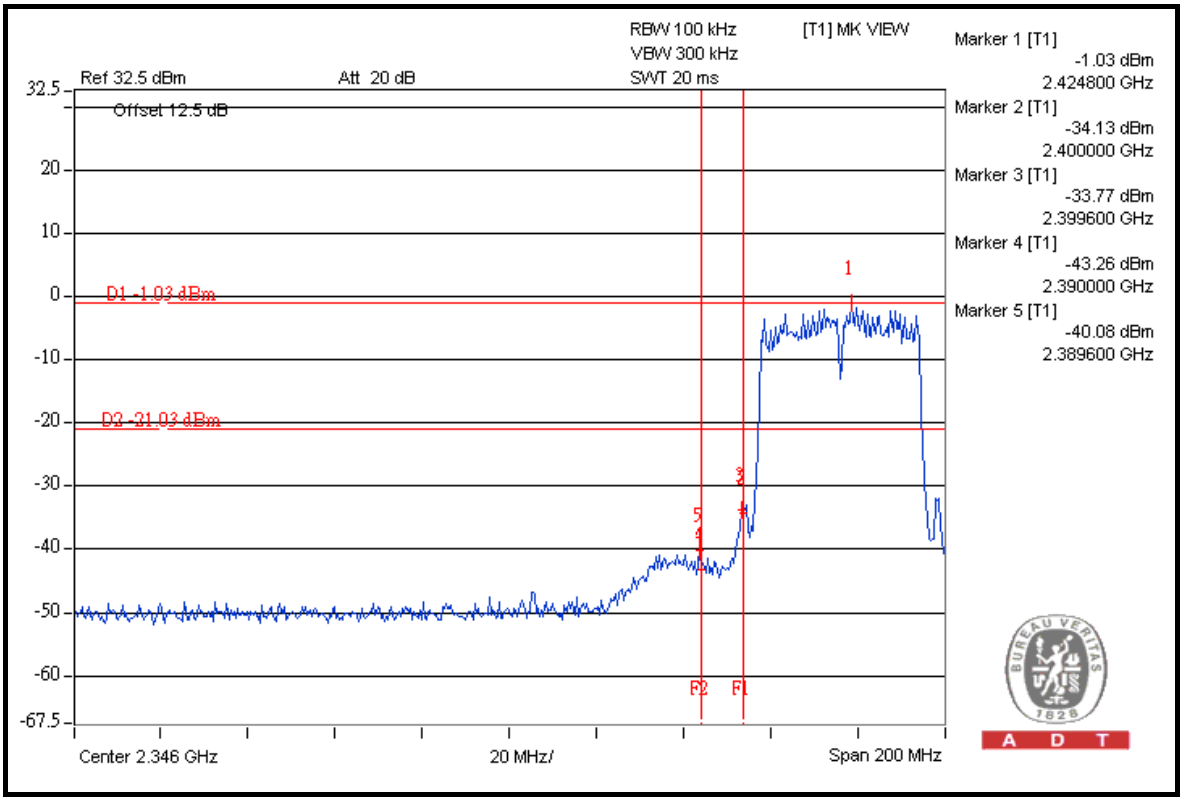

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 1.23 dBm
D2 21.23 dBm
Marker 1 [T1]
-2.93 dBm
2.427120 GHz
Marker 2 [T1]
-40.90 dBm
23.801440 GHz
Marker 3 [T1]
-40.94 dBm
15.012000 GHz
Marker 4 [T1]
-41.07 dBm
21.953660 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz

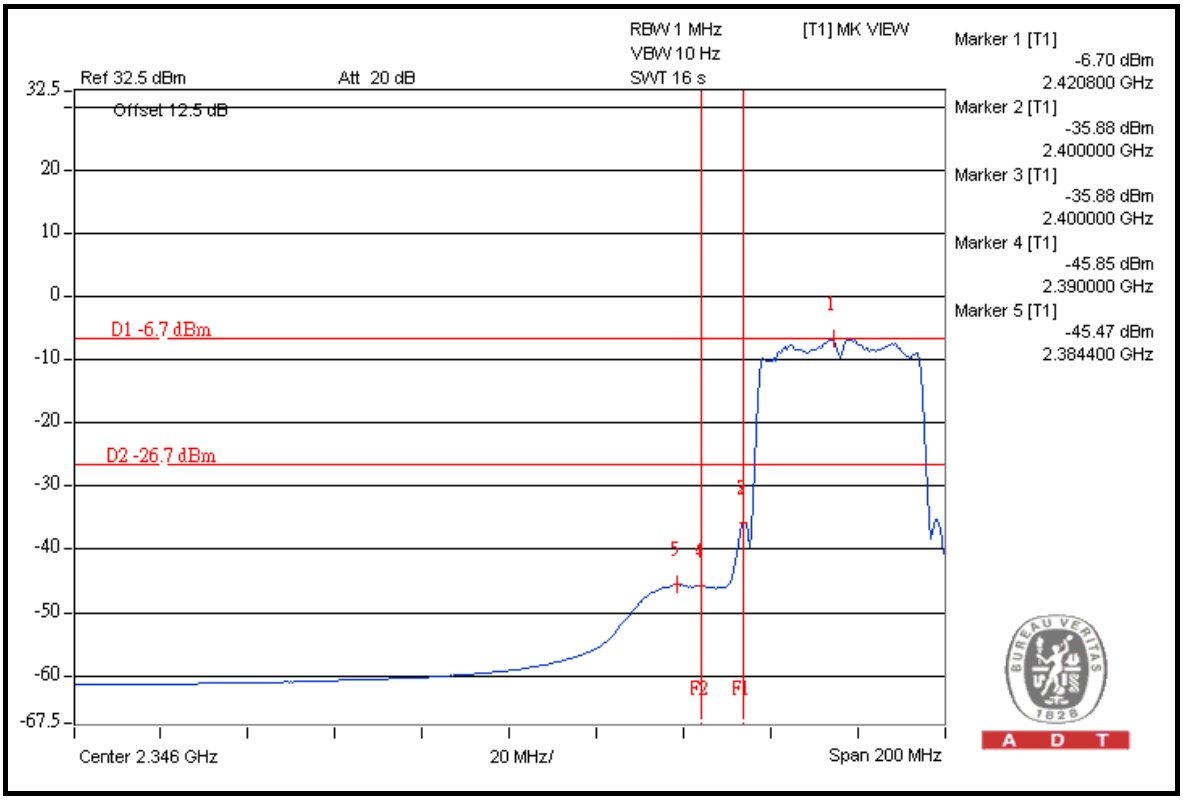

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -0.96 dBm
D2 -20.96 dBm
Marker 1 [T1]
-0.96 dBm
2.449600 GHz
Marker 2 [T1]
-37.76 dBm
2.483500 GHz
Marker 3 [T1]
-36.61 dBm
2.489600 GHz
Marker 4 [T1]
-44.46 dBm
2.500000 GHz
Center 2.528 GHz
20 MHz/
Span 200 MHz

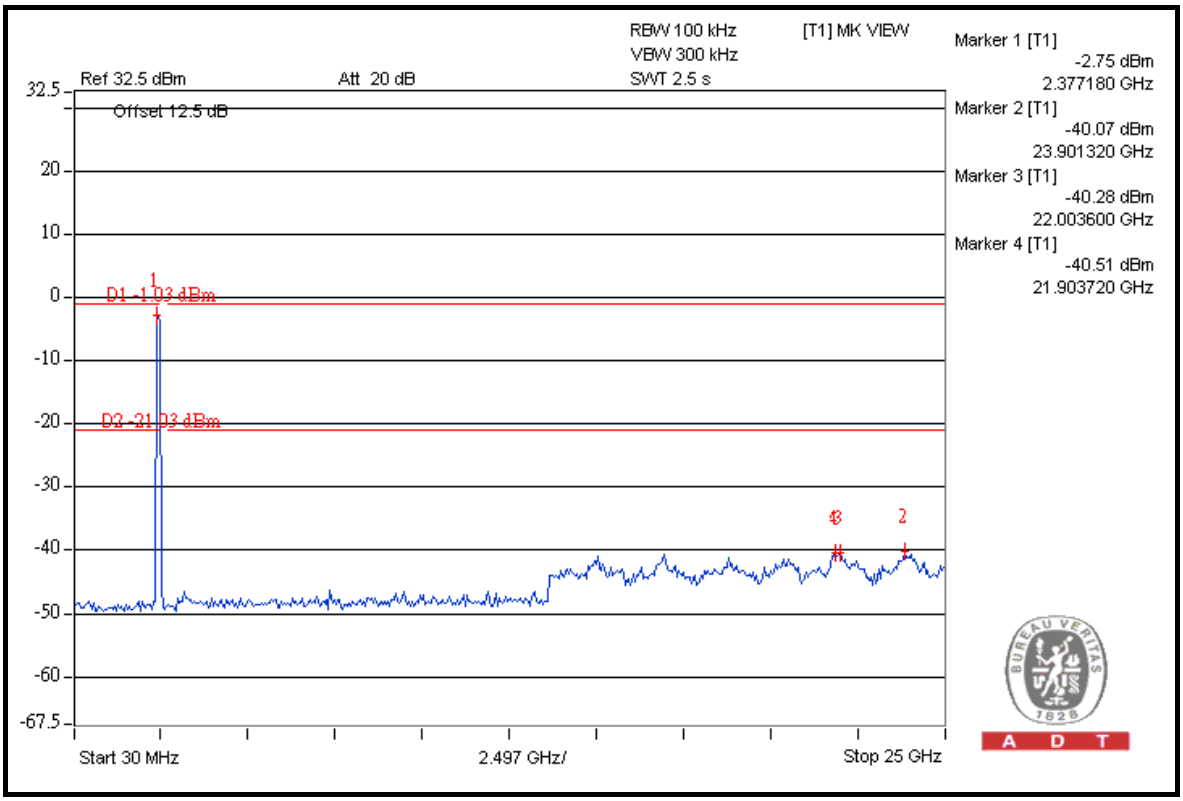

RBW 1 MHz
VBW 10 Hz
SWT 16 s
[T1] MK VIEW
Marker 1 [T1]
-6.34 dBm
2.454400 GHz
Marker 2 [T1]
-43.43 dBm
2.483500 GHz
Marker 3 [T1]
-42.63 dBm
2.490000 GHz
Marker 4 [T1]
-46.70 dBm
2.500000 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 -6.34 dBm
D2 -26.34 dBm
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz

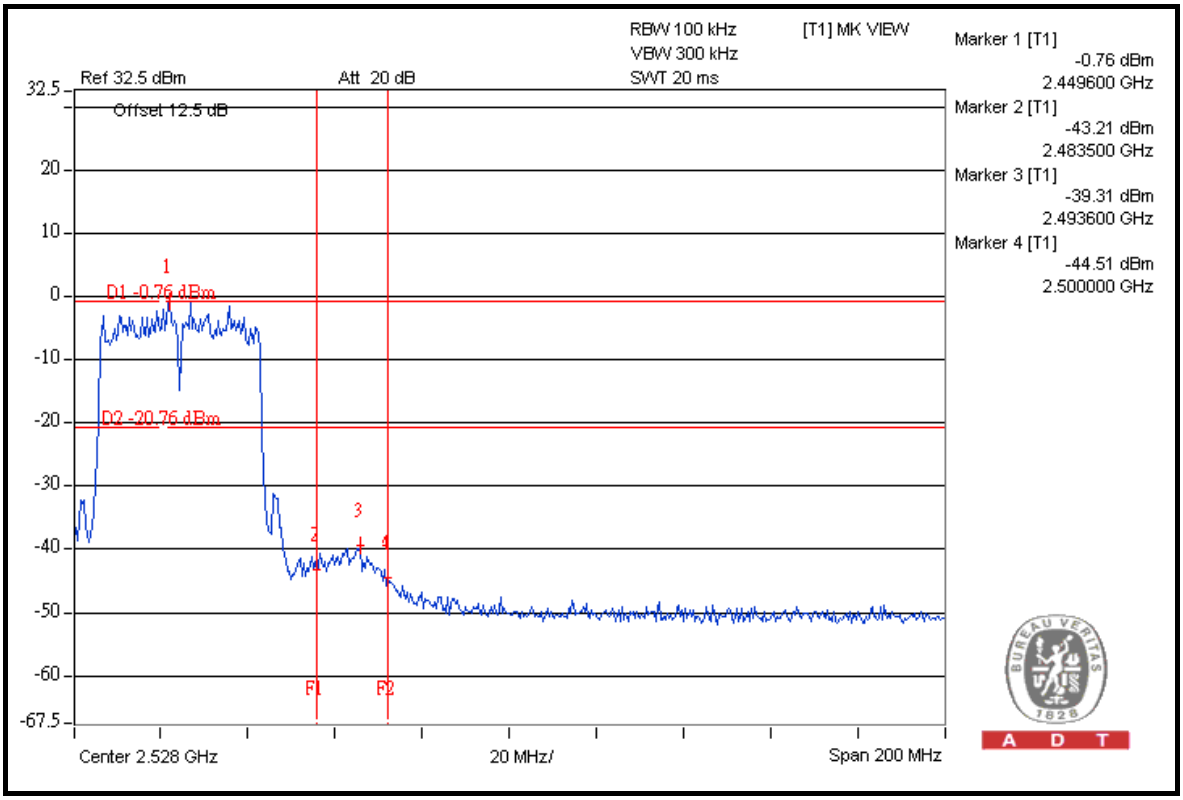

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Marker 1 [T1]
-3.40 dBm
2.427120 GHz
Marker 2 [T1]
-39.77 dBm
21.953660 GHz
Marker 3 [T1]
-41.59 dBm
22.103480 GHz
Marker 4 [T1]
-41.94 dBm
24.151020 GHz
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
D1 -0.96 dBm
D2 -20.96 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

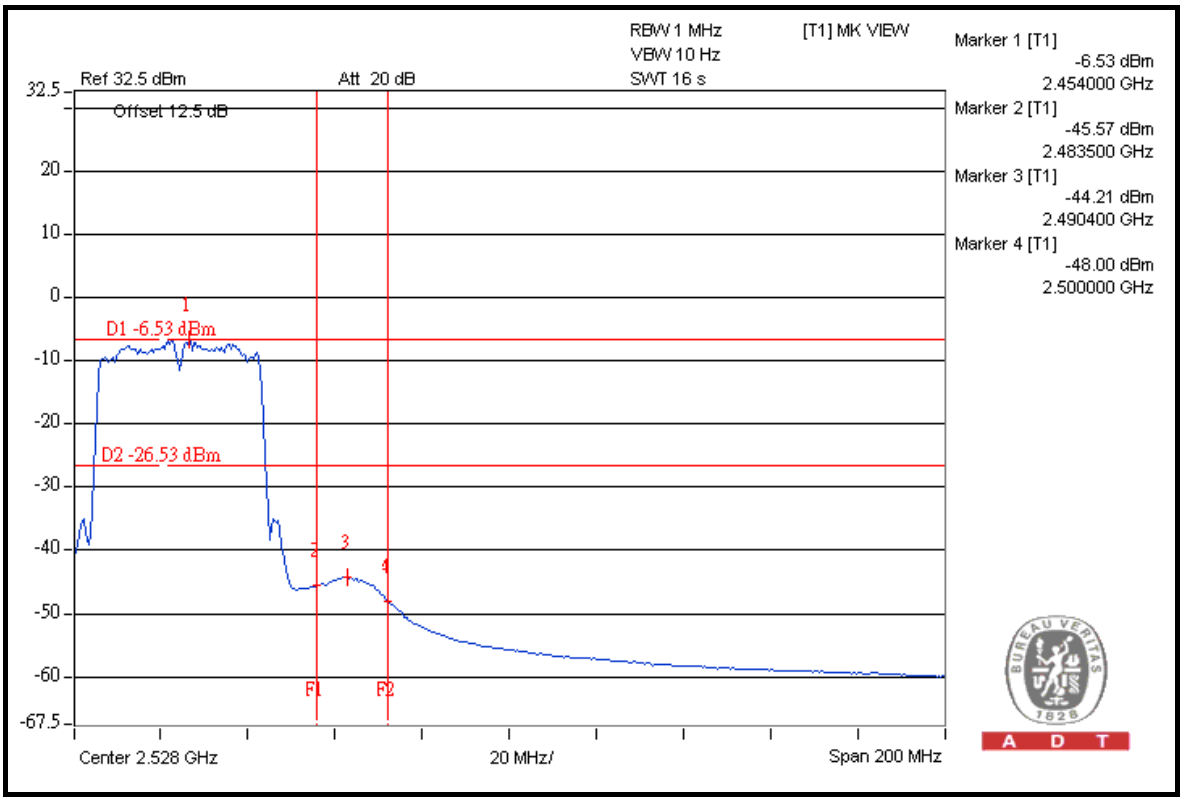
ANT 1

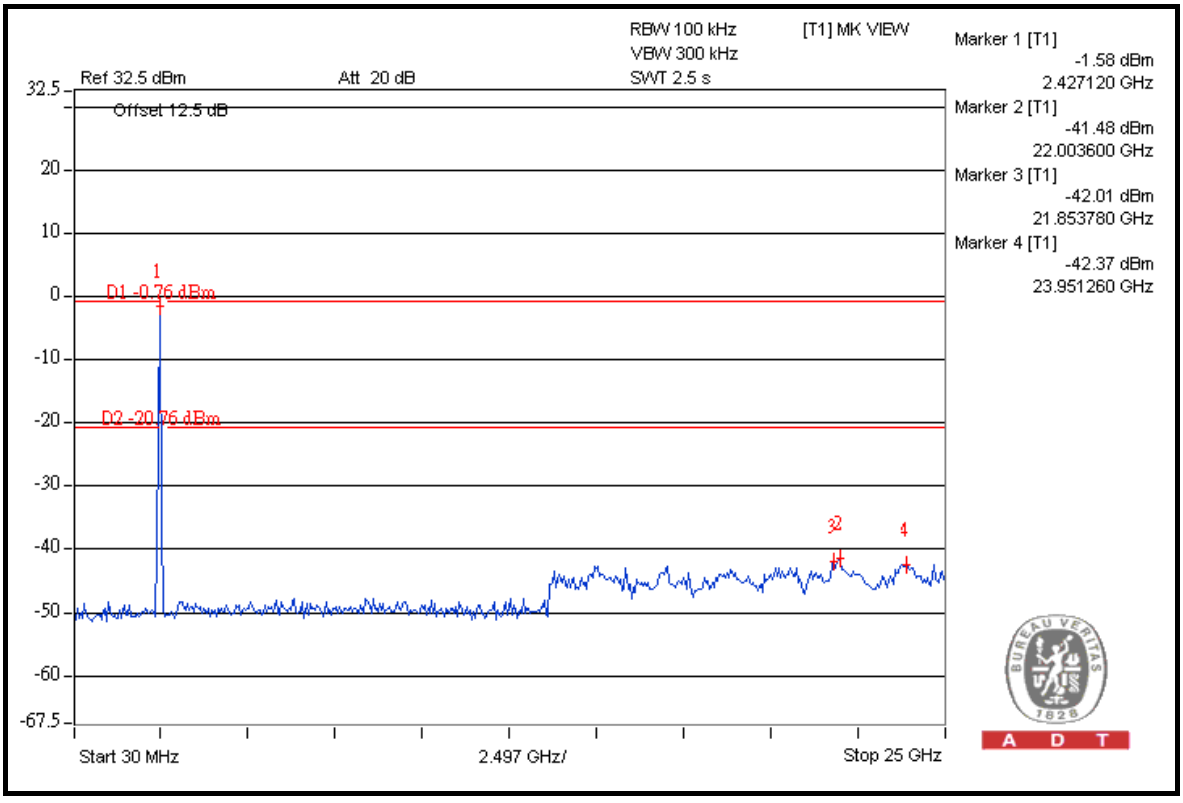

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -1.03 dBm
D2 -21.03 dBm
Marker 1 [T1]
-1.03 dBm
2.424800 GHz
Marker 2 [T1]
-34.13 dBm
2.400000 GHz
Marker 3 [T1]
-33.77 dBm
2.399600 GHz
Marker 4 [T1]
-43.26 dBm
2.390000 GHz
Marker 5 [T1]
-40.08 dBm
2.389600 GHz
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Center 2.346 GHz
20 MHz/
Span 200 MHz


RBW 1 MHz
VBW 10 Hz
SWT 16 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -6.7 dBm
D2 -26.7 dBm
Marker 1 [T1]
-6.70 dBm
2.420800 GHz
Marker 2 [T1]
-35.88 dBm
2.400000 GHz
Marker 3 [T1]
-35.88 dBm
2.400000 GHz
Marker 4 [T1]
-45.85 dBm
2.390000 GHz
Marker 5 [T1]
-45.47 dBm
2.384400 GHz
32.5
20
10
0
-10
-20
-30
-40
-50
-60
-67.5
Center 2.346 GHz
20 MHz/
Span 200 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -1.03 dBm
D2 -21.03 dBm
Marker 1 [T1]
-2.75 dBm
2.377180 GHz
Marker 2 [T1]
-40.07 dBm
23.901320 GHz
Marker 3 [T1]
-40.28 dBm
22.003600 GHz
Marker 4 [T1]
-40.51 dBm
21.903720 GHz
Start 30 MHz
2.497 GHz/
Stop 25 GHz

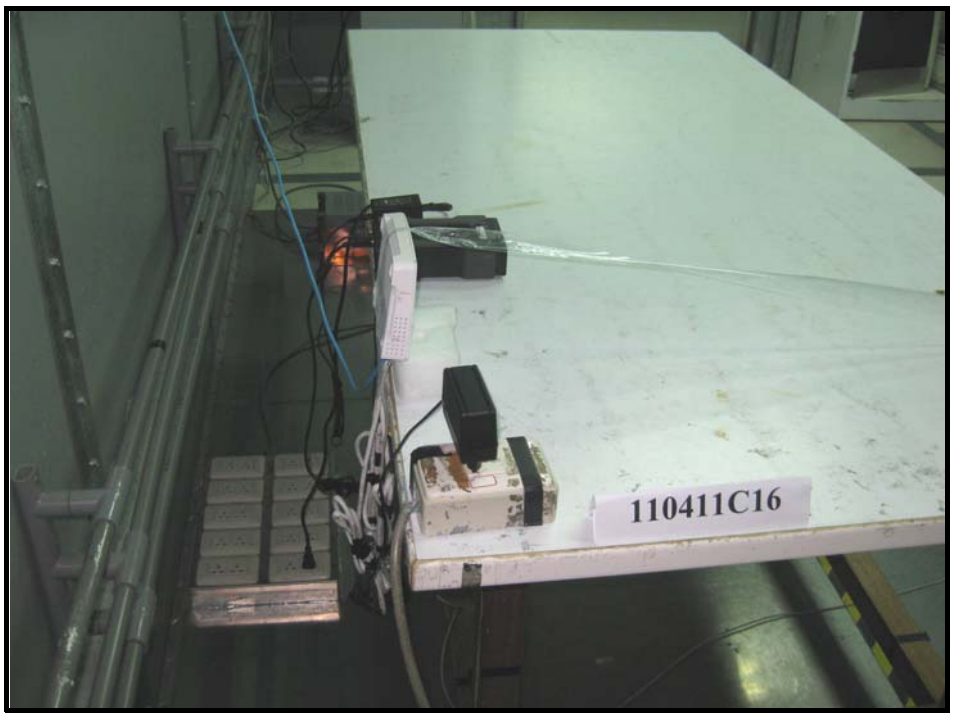

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
[T1] MK VIEW
Ref 32.5 dBm
Att 20 dB
Offset 12.5 dB
D1 -0.76 dBm
D2 -20.76 dBm
Marker 1 [T1]
-0.76 dBm
2.449600 GHz
Marker 2 [T1]
-43.21 dBm
2.483500 GHz
Marker 3 [T1]
-39.31 dBm
2.493600 GHz
Marker 4 [T1]
-44.51 dBm
2.500000 GHz
Center 2.528 GHz
20 MHz/
Span 200 MHz


RBW 1 MHz
VBW 10 Hz
SWT 16 s
[T1] MK VIEW
Marker 1 [T1]
-6.53 dBm
2.454000 GHz
Marker 2 [T1]
-45.57 dBm
2.483500 GHz
Marker 3 [T1]
-44.21 dBm
2.490400 GHz
Marker 4 [T1]
-48.00 dBm
2.500000 GHz
Ref 32.5 dBm
Offset 12.5 dB
Att 20 dB
D1 -6.53 dBm
D2 -26.53 dBm
F1
F2
Center 2.528 GHz
20 MHz/
Span 200 MHz

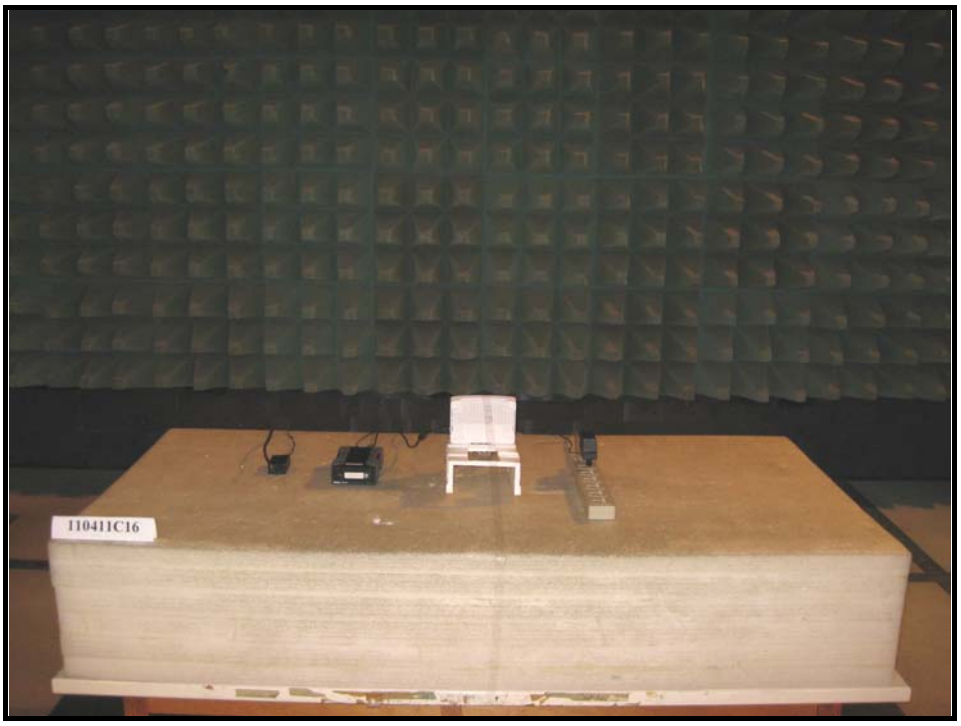

RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Marker 1 [T1]
-1.58 dBm
2.427120 GHz
Marker 2 [T1]
-41.48 dBm
22.003600 GHz
Marker 3 [T1]
-42.01 dBm
21.853780 GHz
Marker 4 [T1]
-42.37 dBm
23.951260 GHz
Ref 32.5 dBm
Offset 12.5 dB
Att 20 dB
D1 -0.76 dBm
D2 -20.76 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

5. PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST



RADIATED EMISSION TEST



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---

APPENDIX- The EEPROM Parameter from the CLI command that provided by the applicant

---

{Administrator}=>:wireless qual caldata radio_id 0 cmd dump

ERIP Data:

00->0F: BC0103FF 8181FFFF 81818181 81000001

10->1F: 00010101 01FFFFFF FFFFFFFF FFFFFFFF

20->2F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

30->3F: 81810081 00000001 01010101 01FFFFFF

40->4F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

50->5F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

60->6F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

70->7F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

80->8F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

90->9F: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

A0->AF: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

B0->BF: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

C0->CF: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

D0->DF: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

E0->EF: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

F0->FF: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
