FCC Radio Test Report

FCC ID: Y2RFCPRO

This report concerns (check one) : ■ **Original Grant** □ **Class I Change**

Issued Date	:	May 13, 2011
Project No.	:	R1007008
Equipment	:	FLUCARD pro
Model Name	:	FLUCARD pro 8GB; FLUCARD pro 4GB
Applicant	:	Trek Technology (S) Pte Ltd
Address	:	30, Loyang Way #07-13/14/15 Loyang Industrial Estate Singapore 508769

Tested by: Neutron Engineering Inc. EMC Laboratory

Date of Receipt: Jul. 21, 2010

Date of Test: Jul. 21, 2010 ~ May 06, 2011

Testing Engineer : Rush Kao
(Rush Kao)

Technical Manager : Jeff Yang
(Jeff Yang)

Authorized Signatory : Andy Chiu
(Andy Chiu)

Neutron Engineering Inc.
B1, No. 37, Lane 365, YangGuang St.,
NeiHu District 114, Taipei, Taiwan.
TEL: +886-2-2657-3299
FAX: +886-2-2657-3331

NVLAP Lab Code: 200145-0 ilac-MRA TAF Testing Laboratory 0659

Declaration

Neutron represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C**., or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

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1. CERTIFICATION

Equipment : FLUCARD pro
Brand Name : Trek
Model Name : FLUCARD pro 8GB; FLUCARD pro 4GB
Applicant : Trek Technology (S) Pte Ltd
Date of Test : Jul. 21, 2010 ~ May 06, 2011
Standards : FCC Part15, Subpart C / ANCI C63.4 : 2003

The above equipment has been tested and found compliance with the requirement of the relative standards by Neutron Engineering Inc. EMC Laboratory.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCP-1-R1007008) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP and TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15, Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247 (c)	Antenna conducted Spurious Emission	PASS	
15.247 (a)(2)	6dB Bandwidth	PASS	
15.247 (b)	Peak Output Power	PASS	
15.247 (c)	Radiated Spurious Emission	PASS	
15.247 (d)	Power Spectral Density	PASS	
15.203	Antenna Requirement	PASS	
1.1307 1.1310 2.1091 2.1093	RF Exposure Compliance	PASS	

NOTE:

(1)” N/A” denotes test is not applicable in this Test Report

2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

C02: (VCCI RN: C-3477; FCC RN: 614388; FCC DN: TW1054)
1F., No. 61, Ln. 77, Sing-ai Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

CB08: (VCCI RN: G-91; FCC RN: 614388; FCC DN: TW1054;
IC Assigned Code: 4428C-1)
1F., No. 61, Ln. 77, Sing-ai Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ± **U**，where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**，providing a level of confidence of approximately **95**%.
The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2.
A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U，(dB)	NOTE
C02	ANSI	150 kHz ~ 30 MHz	2.59	

B. Radiated Measurement :

Test Site	Item	Measurement Frequency Range		Uncertainty	NOTE
CB08	Radiated Emission at 3m	Horizontal Polarization	30 - 200MHz	3.35 dB	
			200 - 1000MHz	3.11 dB	
			1 - 18GHz	3.97 dB	
			18 - 40GHz	4.01 dB	
		Vertical Polarization	30 - 200MHz	3.22 dB	
			200 - 1000MHz	3.24 dB	
			1 - 18GHz	4.05 dB	
			18 - 40GHz	4.04 dB	

Our calculated Measurement Instrumentation Uncertainty is shown in the tables above. These are our U_{lab} values in CISPR 16-4-2 terminology.
Since Table 1 of CISPR 16-4-2 has values of measurement instrumentation uncertainty, called U_{CISPR}, as follows:

Conducted Disturbance (mains port) – 150 kHz – 30 MHz : 3.6 dB
Radiated Disturbance (electric field strength on an open area test site or alternative test site) – 30 MHz – 1000 MHz : 5.2 dB

It can be seen that our U_{lab} values are smaller than U_{CISPR}.

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

<table>
<tr><td>Equipment</td><td>FLUCARD pro</td></tr>
<tr><td>Brand Name</td><td>Trek</td></tr>
<tr><td>Model Name</td><td>FLUCARD pro 8GB; FLUCARD pro 4GB</td></tr>
<tr><td>OEM Brand/Model Name</td><td>N/A</td></tr>
<tr><td>Model Difference</td><td>All models are based on similar electrical circuit except the difference of list below:
<table>
<tr><td>Model Name</td><td>SD Memory Capacity</td></tr>
<tr><td>FLUCARD pro 8GB</td><td>8GB</td></tr>
<tr><td>FLUCARD pro 4GB</td><td>4GB</td></tr>
</table>
All the above models were tested, and the model: FLUCARD pro 8GB was found to be the worst case during the pre-scanning test. This model of the worst case was used for final testing and collecting test data included in this report.</td></tr>
<tr><td>Product Description</td><td>The EUT is a FLUCARD pro.
<table>
<tr><td>Operation Frequency:</td><td>2412~2462 MHz</td></tr>
<tr><td>Modulation Type:</td><td>802.11b:CCK, DQPSK, DBPSK
802.11g:OFDM
802.11n:OFDM</td></tr>
<tr><td>Bit Rate of Transmitter:</td><td>802.11b:
11/5.5/2/1 Mbps
802.11g:
54/48/36/24/18/12/9/6 Mbps
802.11n up to 65 Mbps</td></tr>
<tr><td>Number Of Channel:</td><td>Please see Note 2.</td></tr>
<tr><td>Antenna Designation:</td><td>Please see Note 3.</td></tr>
<tr><td>Antenna Gain(Peak):</td><td>Please see Note 3.</td></tr>
<tr><td>Peak Output Power(Max):</td><td>802.11b: 12.17 dBm Max.
802.11g: 13.82 dBm Max.
802.11n(20MHz): 12.68 dBm Max.
802.11n(40MHz): 12.35 dBm Max.</td></tr>
</table>
Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.</td></tr>
<tr><td>Power Source</td><td>Supplied from SD Card Reader.</td></tr>
<tr><td>Power Rating</td><td>Please refer to the User's Manual</td></tr>
<tr><td>Products Covered</td><td>N/A</td></tr>
<tr><td>Connecting I/O Port(s)</td><td>Please refer to the User's Manual</td></tr>
</table>

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. CH 01 – CH 11 for 802.11b, 802.11g, 802.11n(20MHz)
   CH 03 – CH 09 for 802.11n(40MHz)

Channel List					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	06	2437	11	2462
02	2417	07	2442		
03	2422	08	2447		
04	2427	09	2452		
05	2432	10	2457		

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Printed	N/A	-7.9

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Test Mode	Description
Mode 1	802.11b/CH01, CH06, CH11
Mode 2	802.11g/CH01, CH06, CH11
Mode 3	802.11n/20M/CH01, CH06, CH11
Mode 4	802.11n/40M/CH03, CH06, CH09

For Conducted Test	
Final Test Mode	Description
Mode 1	802.11b/CH06

For Radiated Test	
Final Test Mode	Description
Mode 1	802.11b/CH01, CH06, CH11
Mode 2	802.11g/CH01, CH06, CH11
Mode 3	802.11n/20M/CH01, CH06, CH11
Mode 4	802.11n/40M/CH03, CH06, CH09

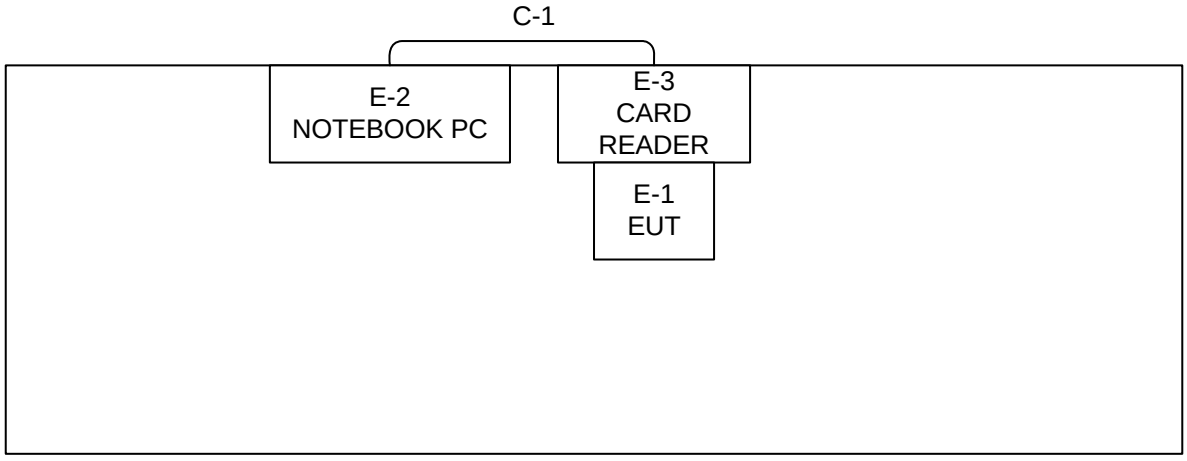
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product

Test software Version	RT3052QA		
Frequency (MHz)	2412 MHz	2442 MHz	2462 MHz
IEEE 802.11b DSSS	17	17	17
IEEE 802.11g OFDM	17	17	17

Test software Version	RT3052QA		
Frequency (MHz)	2412 MHz	2442 MHz	2462 MHz
IEEE 802.11n (20MHz)	17	17	17
Frequency (MHz)	2422 MHz	2437MHz	2452 MHz
IEEE 802.11n (40MHz)	17	17	17

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF RADIATED EMISSION TESTED



C-1 USB CABLE

3.5 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.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
E-1	FLUCARD pro	Trek	FLUCARD pro 8GB	Y2RFCPRO	N/A	EUT
E-2	Notebook PC	DELL	D600	DOC	7T390 A03	
E-3	CARD READER	N/A	N/A	N/A	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	0.6M	

Note:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in『Length』column.
(3) " ※ " denotes the support equipment by applicant.

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

(3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
Margin Level = Measurement Value – Limit Value

4.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TWO-LINE V-NETWORK	R&S	ENV216	101050	Jun. 07, 2011
2	Test Cable	TIMES	CFD300-NL	130	Jun. 17, 2011
3	EMI Test Receiver	R&S	ESCI	100080	Mar. 09, 2012

Remark: ” N/A” denotes No Model Name , Serial No. or No Calibration specified.

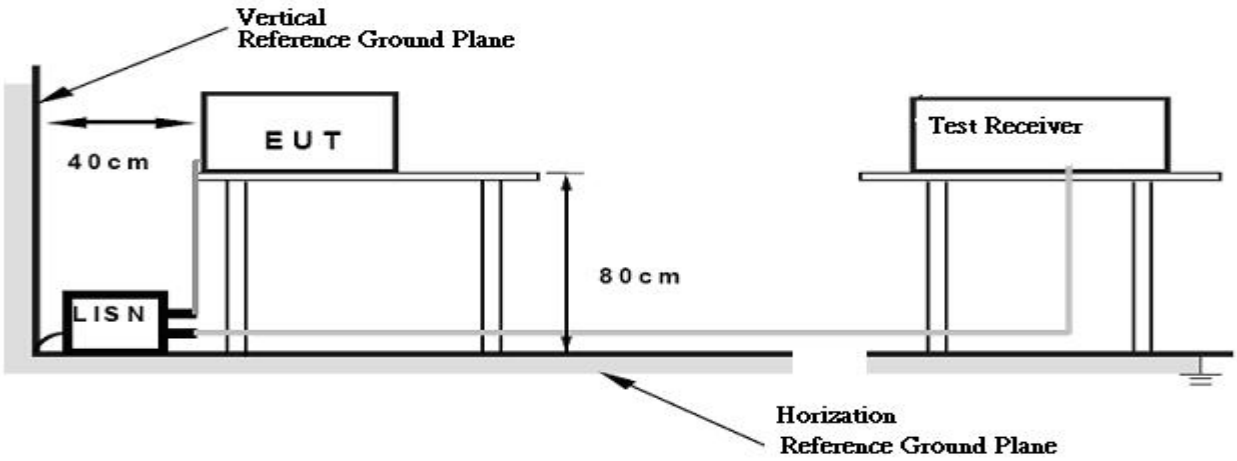
4.1.3 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



4.1.6 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

4.1.7 TEST RESULTS

EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity：	36%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11b/CH06		

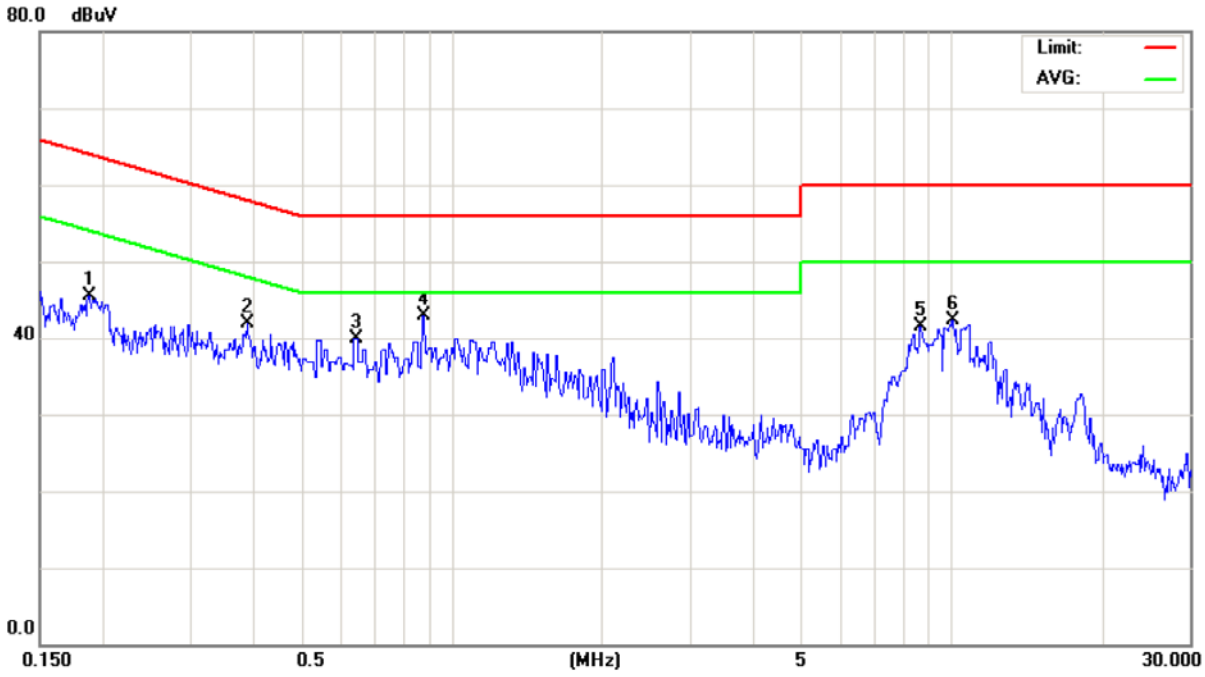
Freq.	Terminal	Reading Level(dBuV)		Correct	Measurement(dBuV)		Limit(dBuV)		Margin	Note
(MHz)	L/N	QP-Mode	AV-Mode	Factor(dB)	QP-Mode	AV-Mode	QP-Mode	AV-Mode	(dB)	
0.1877	Line	35.80	*	9.69	45.49	*	64.14	54.14	-18.65	(QP)
0.3885	Line	32.25	*	9.69	41.94	*	58.10	48.10	-16.16	(QP)
0.6438	Line	30.28	*	9.72	40.00	*	56.00	46.00	-16.00	(QP)
0.8780	Line	33.06	*	9.77	42.83	*	56.00	46.00	-13.17	(QP)
8.6499	Line	31.85	*	9.75	41.60	*	60.00	50.00	-18.40	(QP)
10.0500	Line	32.46	*	9.76	42.22	*	60.00	50.00	-17.78	(QP)

Remark

(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9 kHz; SPA setting in RBW=10 kHz, VBW =10 kHz, Swp. Time = 0.2 sec./ MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10 kHz, VBW=10 kHz, Swp. Time =0.2 sec./ MHz.

(2) All readings are QP Mode value unless otherwise stated AVG in column of Note. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.

(3) In the "Note" column, QP means the margin value of QP is higher than Average and the "Margin" column shows the margin value of QP; AV means the margin value of Average is higher than QP and the "Margin" column shows the margin value of Average.



EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity：	36%
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11b/CH06		

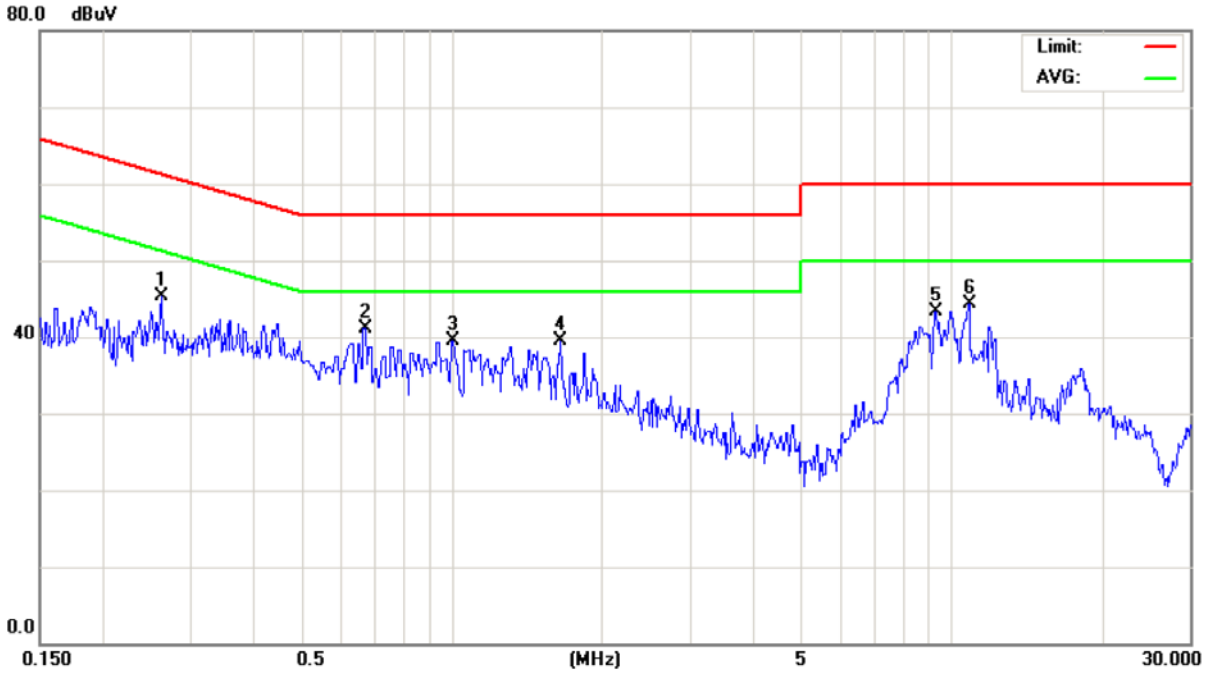
Freq. (MHz)	Terminal L/N	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV)		Limit(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
0.2626	Neutral	35.66	*	9.68	45.34	*	61.35	51.35	-16.01	(QP)
0.6710	Neutral	31.39	*	9.71	41.10	*	56.00	46.00	-14.90	(QP)
1.0039	Neutral	29.73	*	9.78	39.51	*	56.00	46.00	-16.49	(QP)
1.6519	Neutral	29.73	*	9.73	39.46	*	56.00	46.00	-16.54	(QP)
9.3000	Neutral	33.61	*	9.76	43.37	*	60.00	50.00	-16.63	(QP)
10.8000	Neutral	34.58	*	9.79	44.37	*	60.00	50.00	-15.63	(QP)

Remark

(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9 kHz; SPA setting in RBW=10 kHz, VBW =10 kHz, Swp. Time = 0.2 sec./ MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10 kHz, VBW=10 kHz, Swp. Time =0.2 sec./ MHz.

(2) All readings are QP Mode value unless otherwise stated AVG in column of Note. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.

(3) In the "Note" column, QP means the margin value of QP is higher than Average and the "Margin" column shows the margin value of QP; AV means the margin value of Average is higher than QP and the "Margin" column shows the margin value of Average.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80	60	74	54

Notes:

(1) The limit for radiated test was performed according to FCC PART 15B.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

(4) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain(if use)
Margin Level = Measurement Value – Limit Value

4.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Aug. 31, 2011
2	Horn Antenna	Schwarzbeck	BBHA 9120	D-325	Dec. 08, 2011
3	Microwave Pre_amplifier	Agilent	8449B	3008A01714	Apr. 19, 2012
4	Microflex Cable	N/A	N/A	1m	May. 19, 2011
5	Microflex Cable	AISI	S104-SMAP-1	10m	Aug. 22, 2011
6	Microflex Cable	N/A	N/A	3m	Aug. 22, 2011
7	Test Cable	N/A	LMR-400	966_12m	Jun. 17, 2011
8	Test Cable	N/A	LMR-400	966_3m	Jun. 17, 2011
9	Pre-Amplifier	EMC	EMC-330	980001	Jun. 03, 2011
10	Log-Bicon Antenna	Schwarzbeck	VULB9168-352	9168-352	Jun. 17, 2011

Remark: ” N/A” denotes No Model Name / Serial No. and No Calibration specified.

4.2.3 TEST PROCEDURE

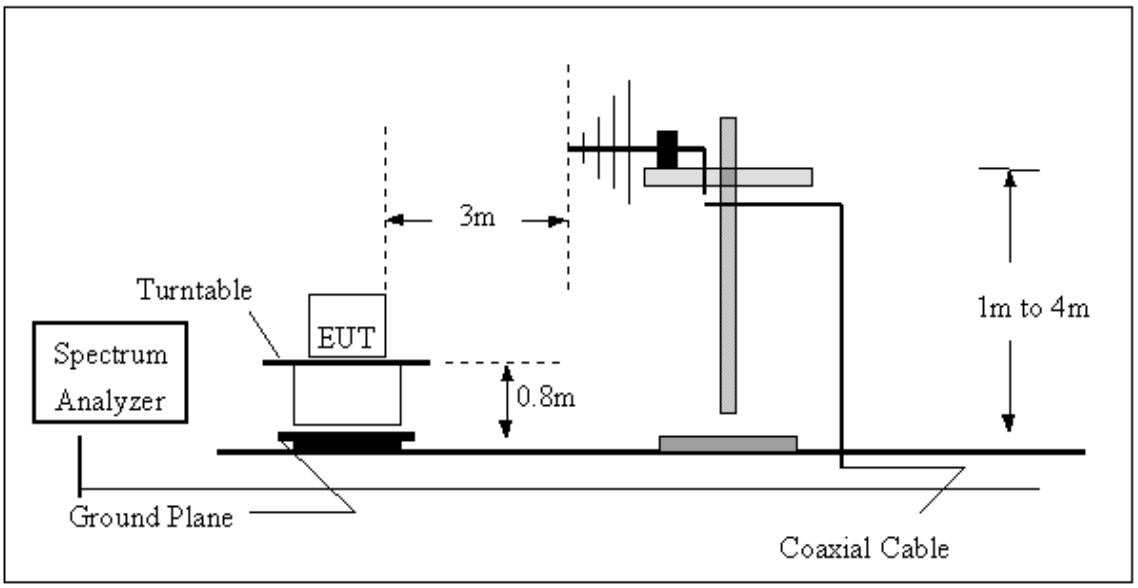
a. The measuring distance of at 10 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m or 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.4 DEVIATION FROM TEST STANDARD

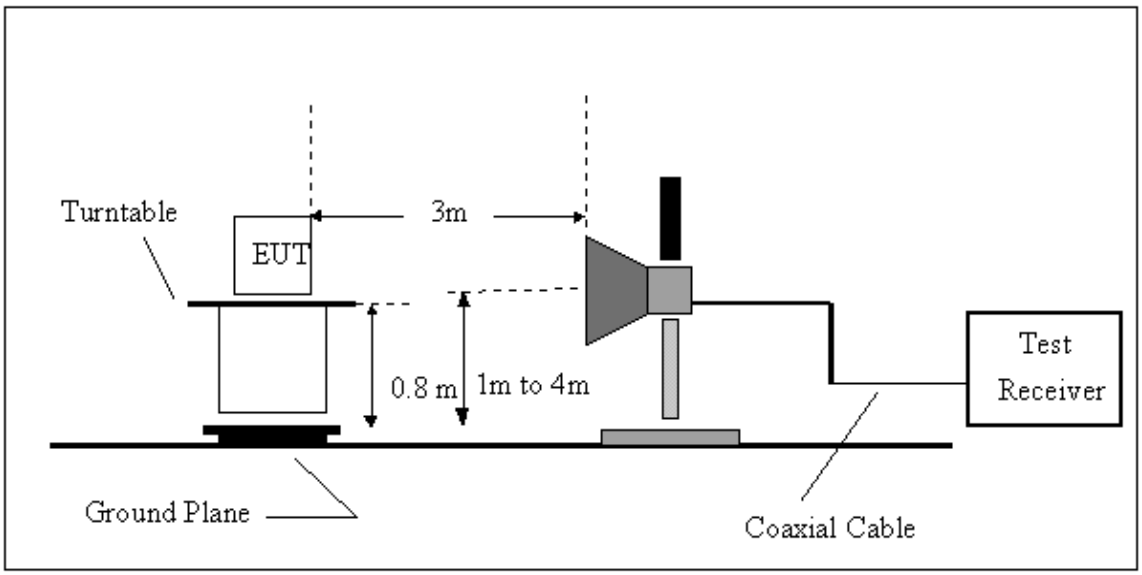
No deviation

4.2.5 TEST SETUP

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(B) Radiated Emission Test Set-UP Frequency Over 1 GHz



4.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.6** Unless otherwise a special operating condition is specified in the follows during the testing.

4.2.7 TEST RESULTS-BETWEEN 30MHZ - 1000MHZ

EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity：	31%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11g/CH06		

Freq. (MHz)	Polarization H/V	Reading Level (dBuV)	Correct Factor(dB)	Measurement (dBuV/m)	Limit(Quasi-Peak) (dBuV/m)	Margin (dB)	Note
53.2800	V	46.19	-16.95	29.24	40.00	- 10.76	
365.6200	V	48.12	-14.14	33.98	46.00	- 12.02	
433.5200	V	46.66	-12.34	34.32	46.00	- 11.68	
499.4800	V	47.60	-11.02	36.58	46.00	- 9.42	
528.5800	V	47.49	-10.44	37.05	46.00	- 8.95	
567.3800	V	43.73	-9.55	34.18	46.00	- 11.82	

Remark：

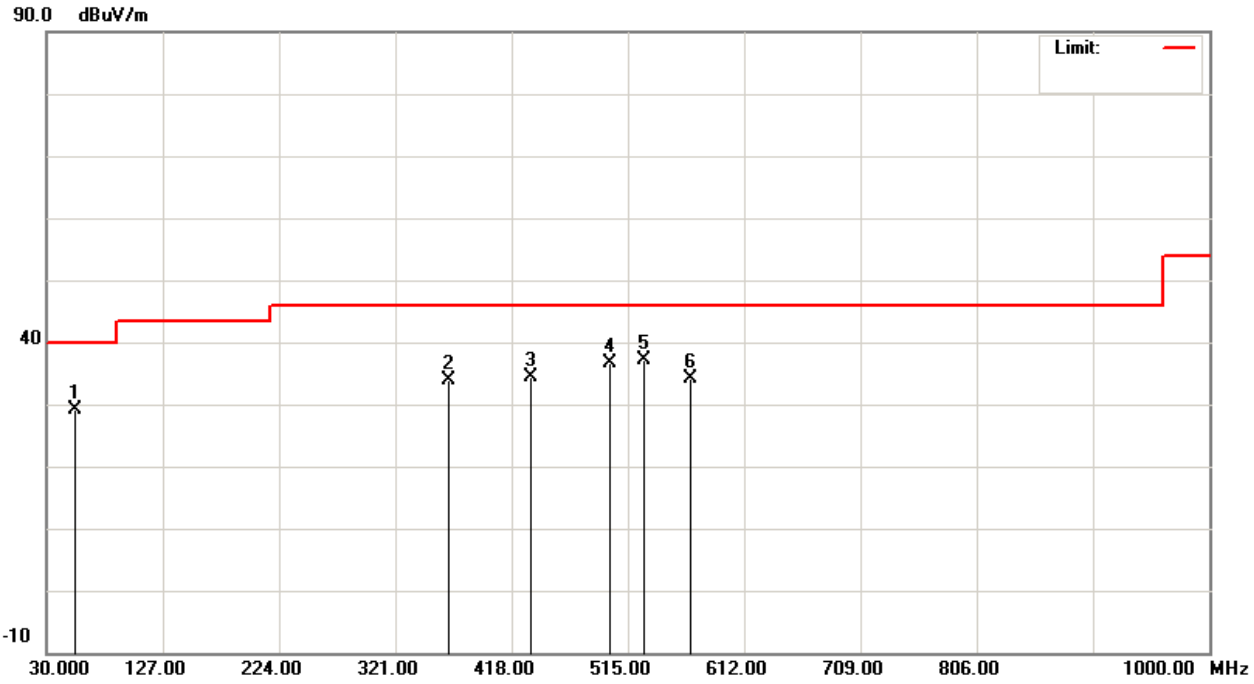
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform。

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; " H" denotes spurious frequency. "E" denotes band edge frequency.

(4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity：	31%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11g/CH06		

Freq. (MHz)	Polarization H/V	Reading Level (dBuV)	Correct Factor(dB)	Measurement (dBuV/m)	Limit(Quasi-Peak) (dBuV/m)	Margin (dB)	Note
156.1000	H	51.00	-16.66	34.34	43.50	- 9.16	
239.5200	H	55.61	-17.96	37.65	46.00	- 8.35	
299.6600	H	52.19	-15.82	36.37	46.00	- 9.63	
499.4800	H	48.81	-11.02	37.79	46.00	- 8.21	
528.5800	H	48.71	-10.44	38.27	46.00	- 7.73	
567.3800	H	44.78	-9.55	35.23	46.00	- 10.77	

Remark：

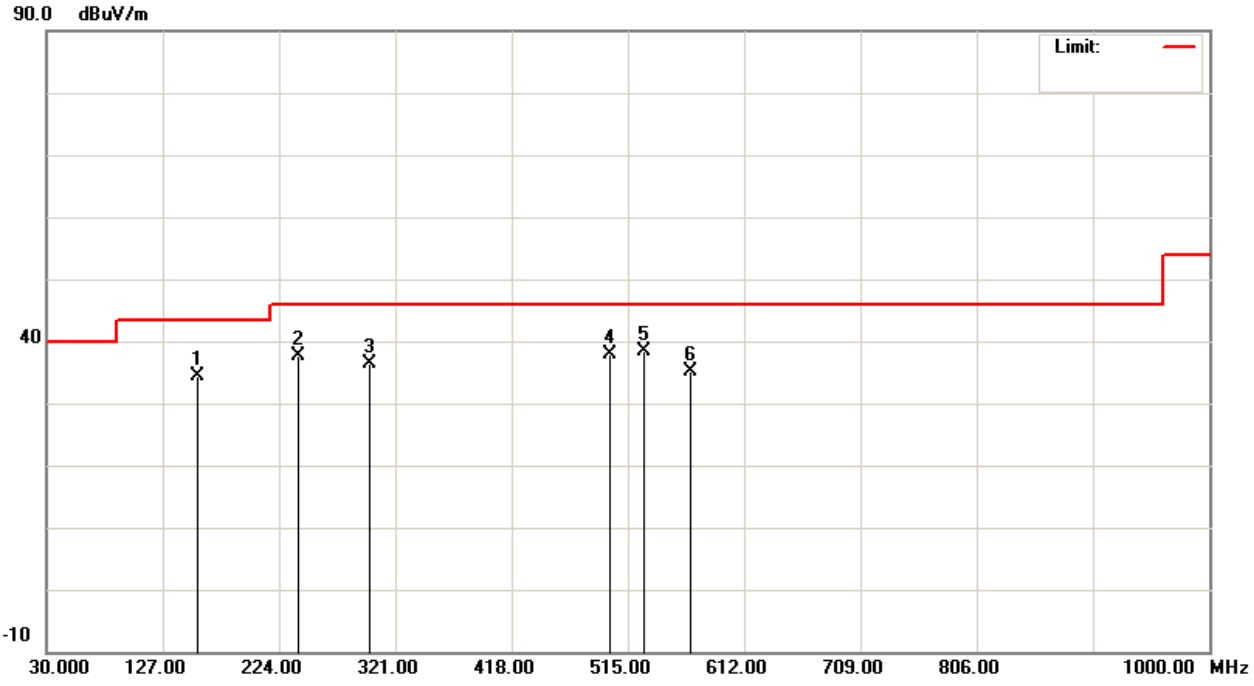
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform。

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; " H" denotes spurious frequency. "E" denotes band edge frequency.

(4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



4.2.8 TEST RESULTS - ABOVE 1000MHZ

EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11b/CH01		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV) Peak	Reading Level(dBuV) AV	Correct Factor(dB)	Measurement(dBuV/m) Peak	Measurement(dBuV/m) AV	Limit(dBuV/m) Peak	Limit(dBuV/m) AV	Margin (dB)	Note
E	2390.000	V	21.94	11.53	30.89	52.83	42.42	74.00	54.00	- 11.58	AV
F	2411.400	V	63.88	59.29	30.98	94.86	90.27				
H	4823.840	V	40.73	30.77	2.55	43.28	33.32	74.00	54.00	- 20.68	AV
H	7236.360	V	42.11	31.55	8.09	50.20	39.64	74.00	54.00	- 14.36	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

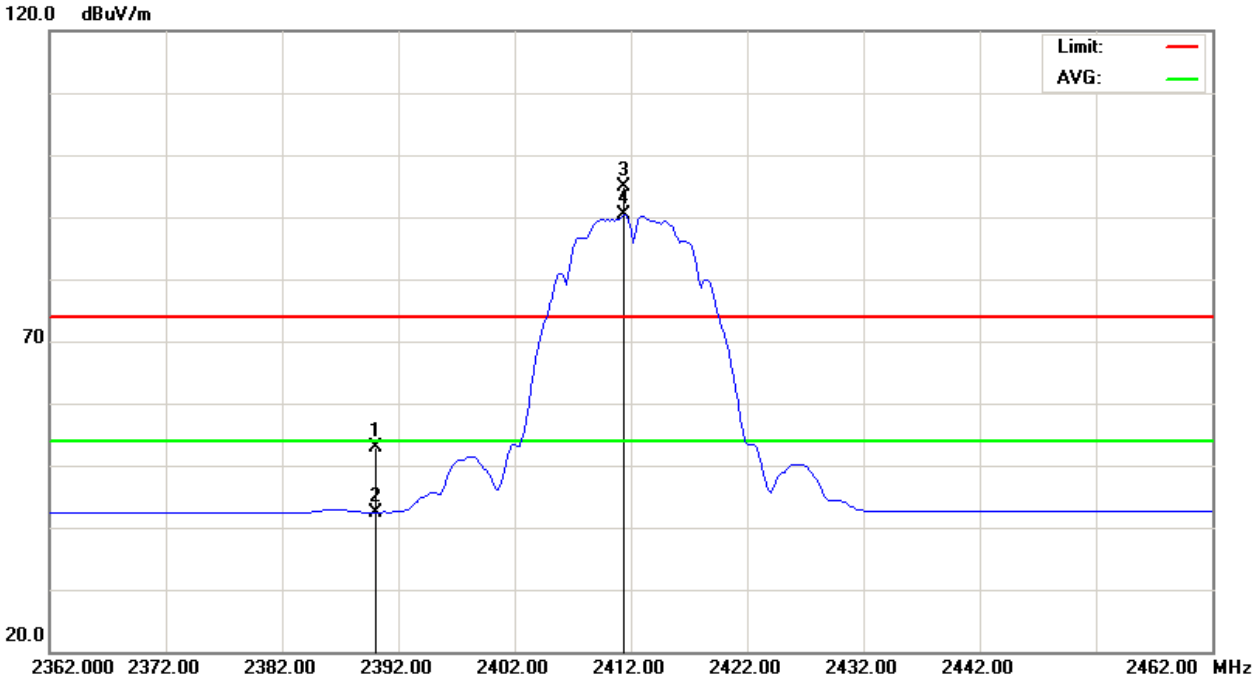
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

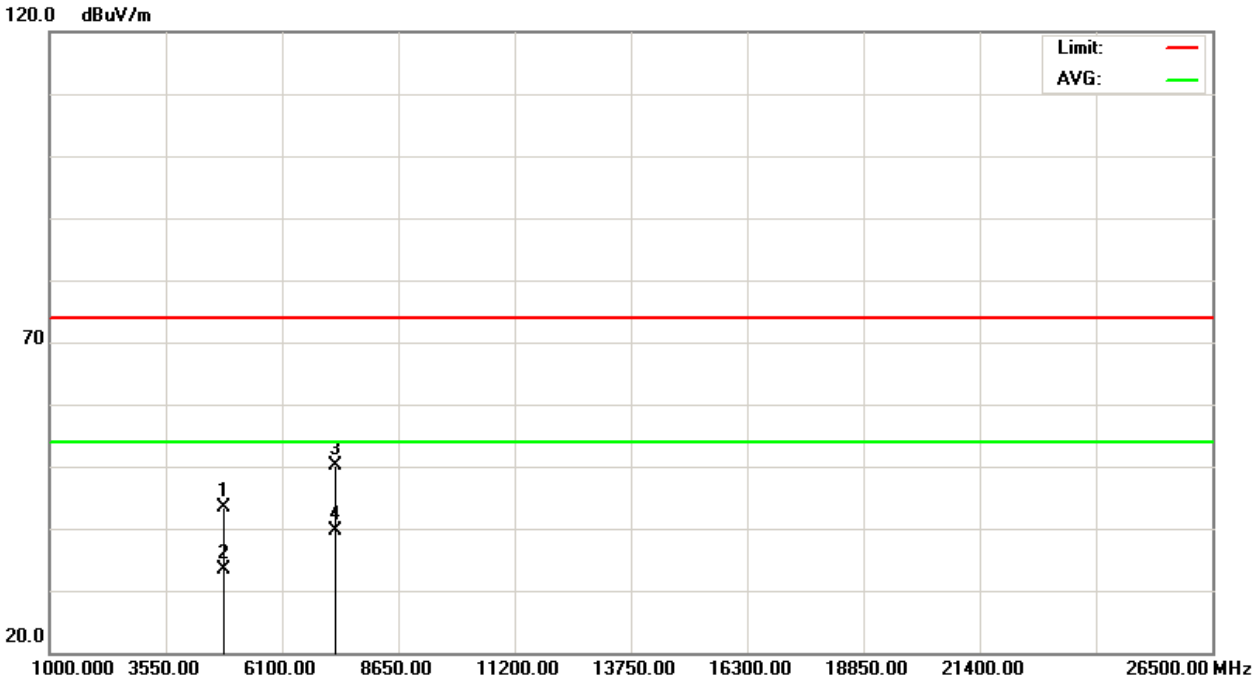
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11b/CH01(Above 1000 MHz, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11b/CH01		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
E	2386.800	H	22.74	12.14	30.87	53.61	43.01	74.00	54.00	- 10.99	AV
F	2413.000	H	60.58	65.09	30.98	91.56	96.07				
H	4823.680	H	41.92	30.65	2.55	44.47	33.20	74.00	54.00	- 20.80	AV
H	7236.320	H	42.85	31.46	8.09	50.94	39.55	74.00	54.00	- 14.45	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

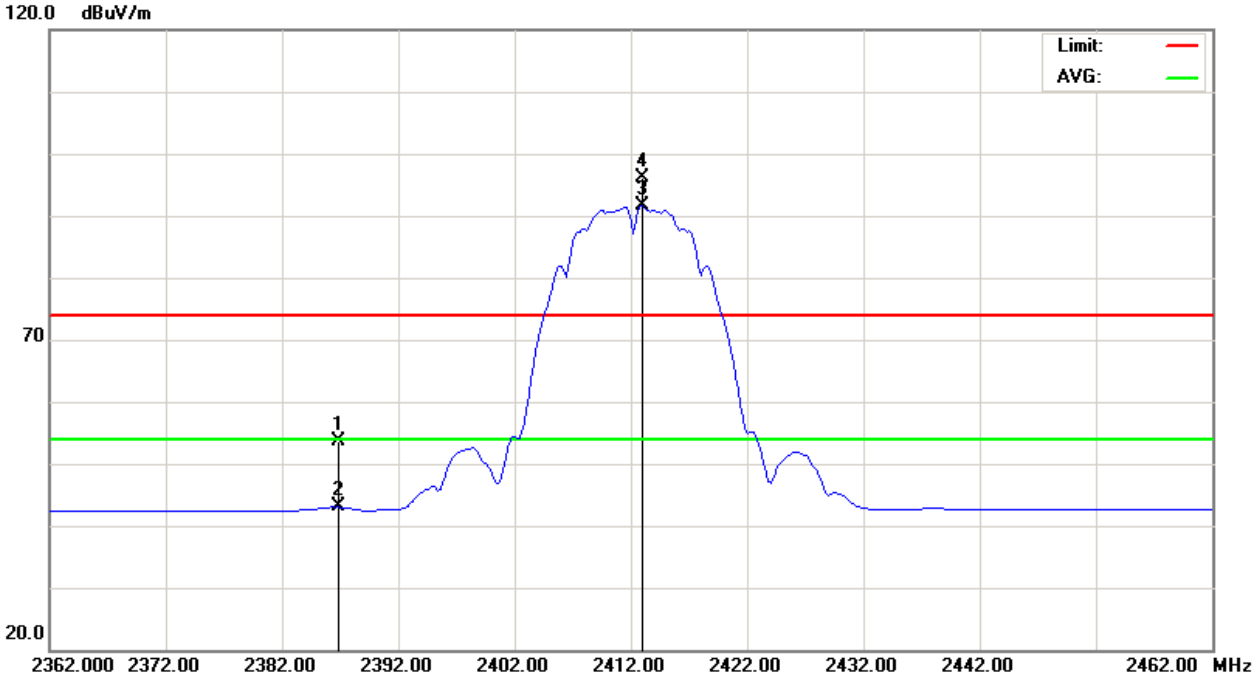
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

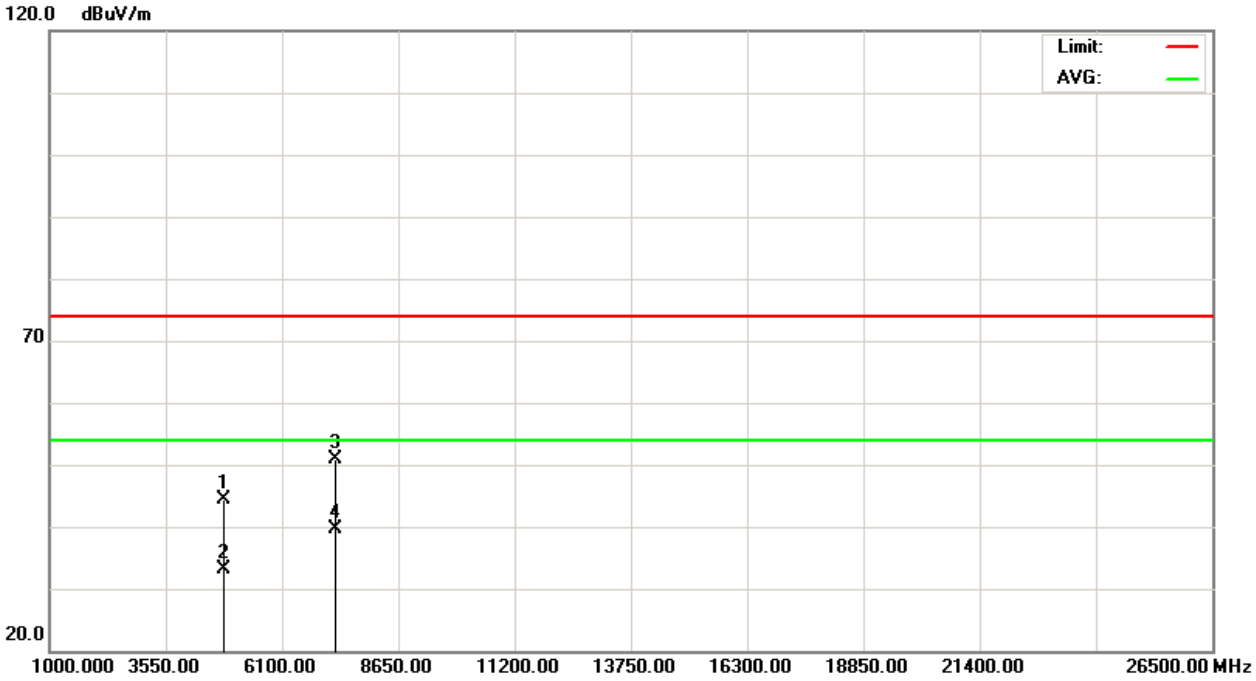
(7) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11b/CH01(Above 1000 MHz, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11b/CH06		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
F	2438.000	V	62.56	58.41	31.09	93.65	89.50				
H	4873.960	V	41.12	31.09	2.69	43.81	33.78	74.00	54.00	- 20.22	AV
H	7311.400	V	41.88	30.79	8.22	50.10	39.01	74.00	54.00	- 14.99	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of 『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

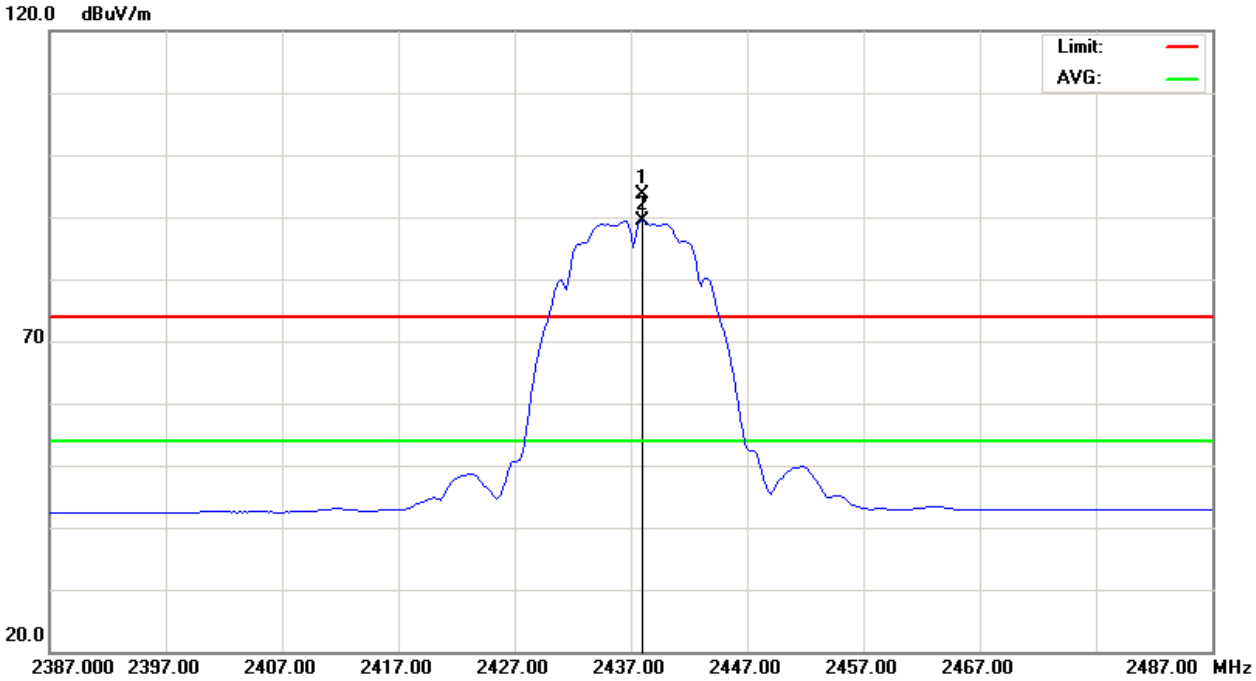
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

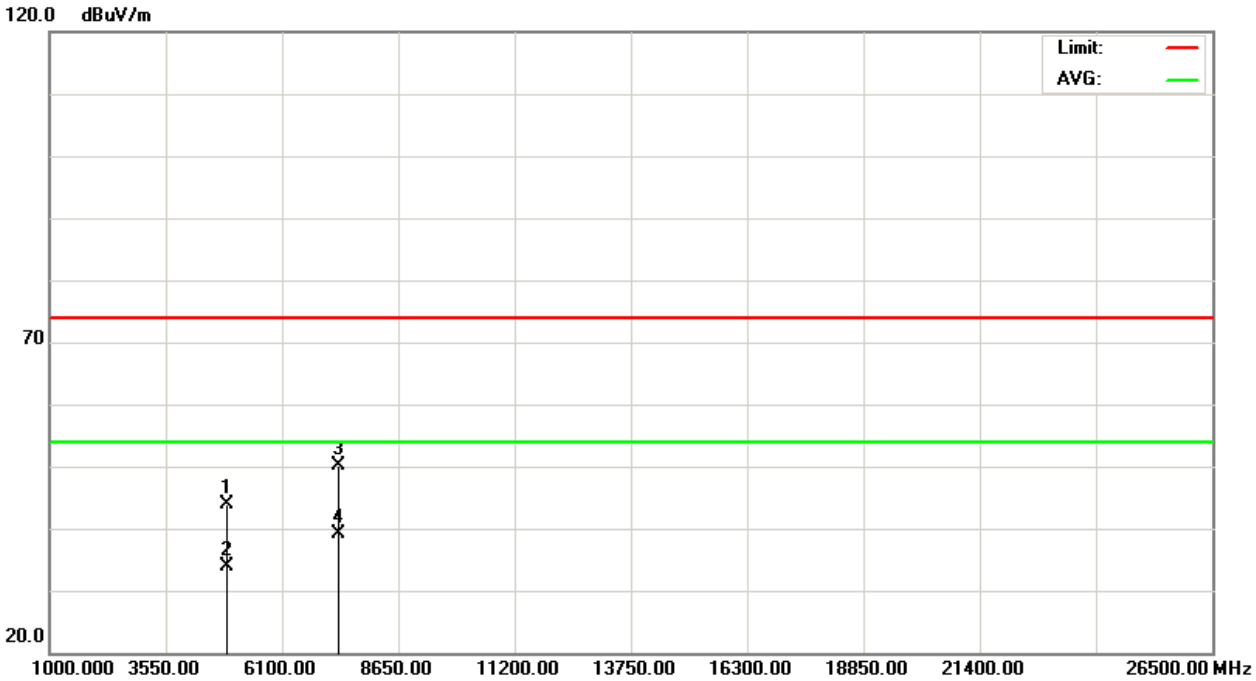
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11b/CH06(Above 1000 MHz, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11b/CH06		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
F	2436.400	H	63.15	59.50	31.08	94.23	90.58				
H	4874.280	H	42.19	30.97	2.69	44.88	33.66	74.00	54.00	- 20.34	AV
H	7310.680	H	40.16	30.83	8.22	48.38	39.05	74.00	54.00	- 14.95	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

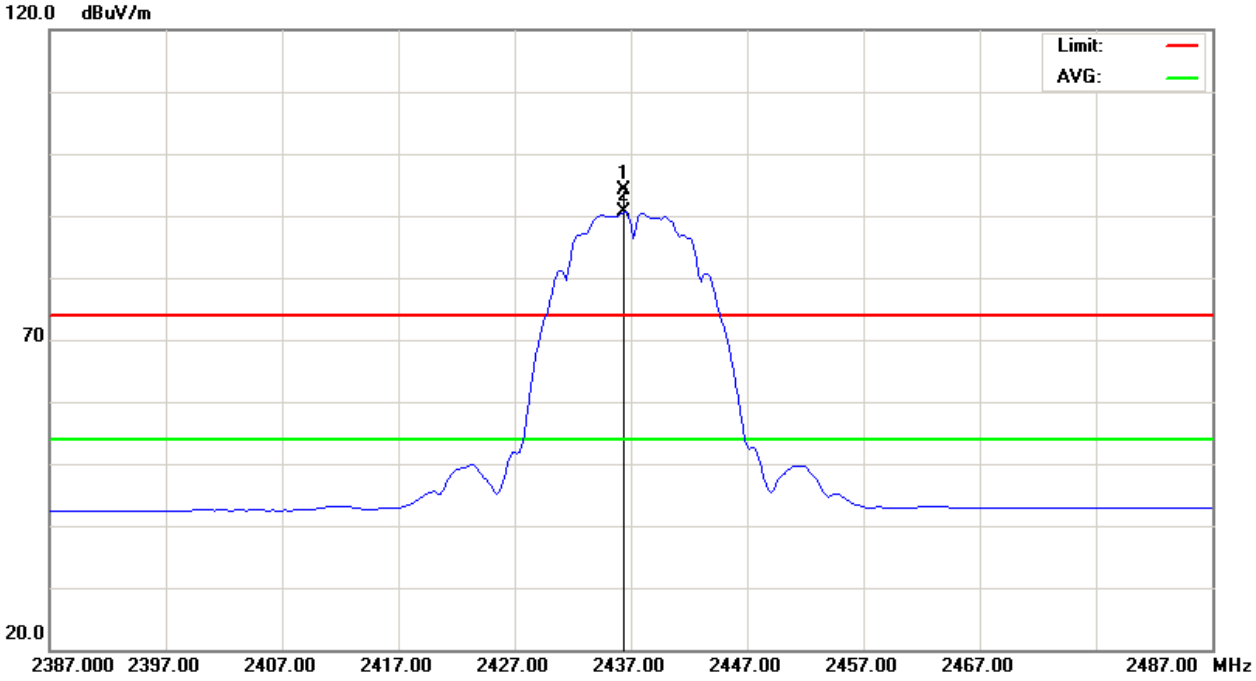
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

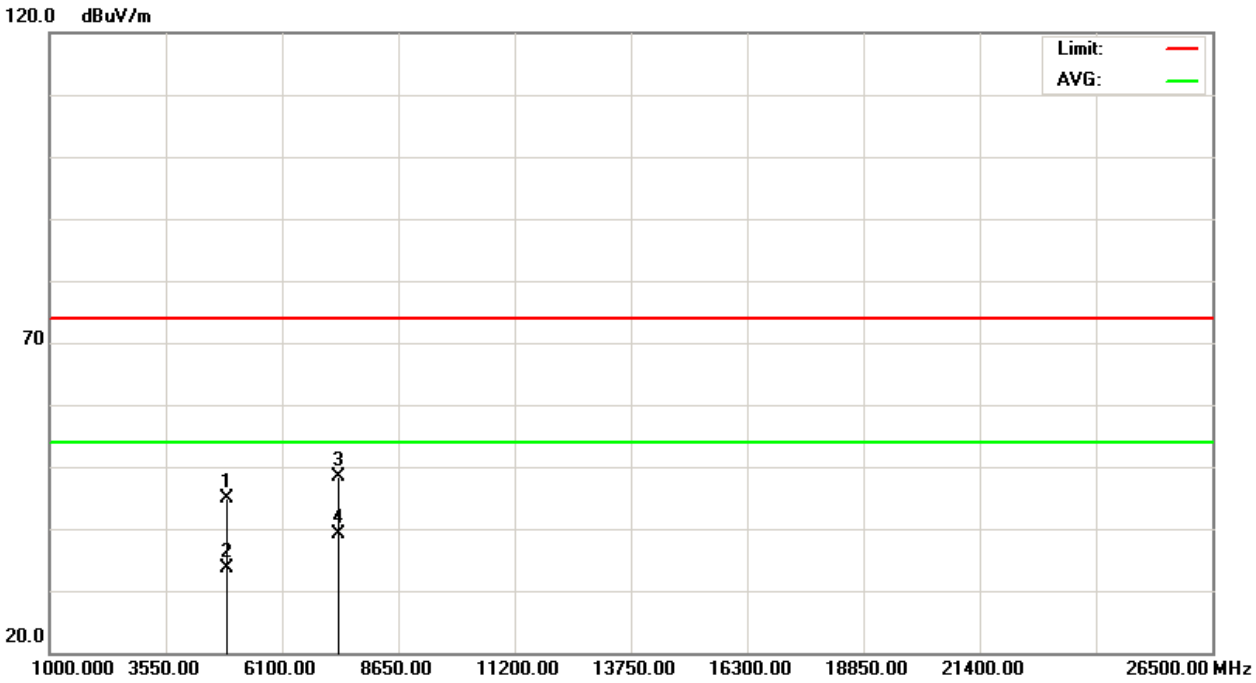
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11b/CH06(Above 1000 MHz, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11b/CH11		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV) Peak	Reading Level(dBuV) AV	Correct Factor(dB)	Measurement(dBuV/m) Peak	Measurement(dBuV/m) AV	Limit(dBuV/m) Peak	Limit(dBuV/m) AV	Margin (dB)	Note
F	2463.000	V	64.56	59.67	31.19	95.75	90.86				
E	2483.500	V	21.84	12.00	31.28	53.12	43.28	74.00	54.00	- 10.72	AV
H	4924.100	V	43.47	34.97	2.83	46.30	37.80	74.00	54.00	- 16.20	AV
H	7385.940	V	41.98	31.38	8.35	50.33	39.73	74.00	54.00	- 14.27	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

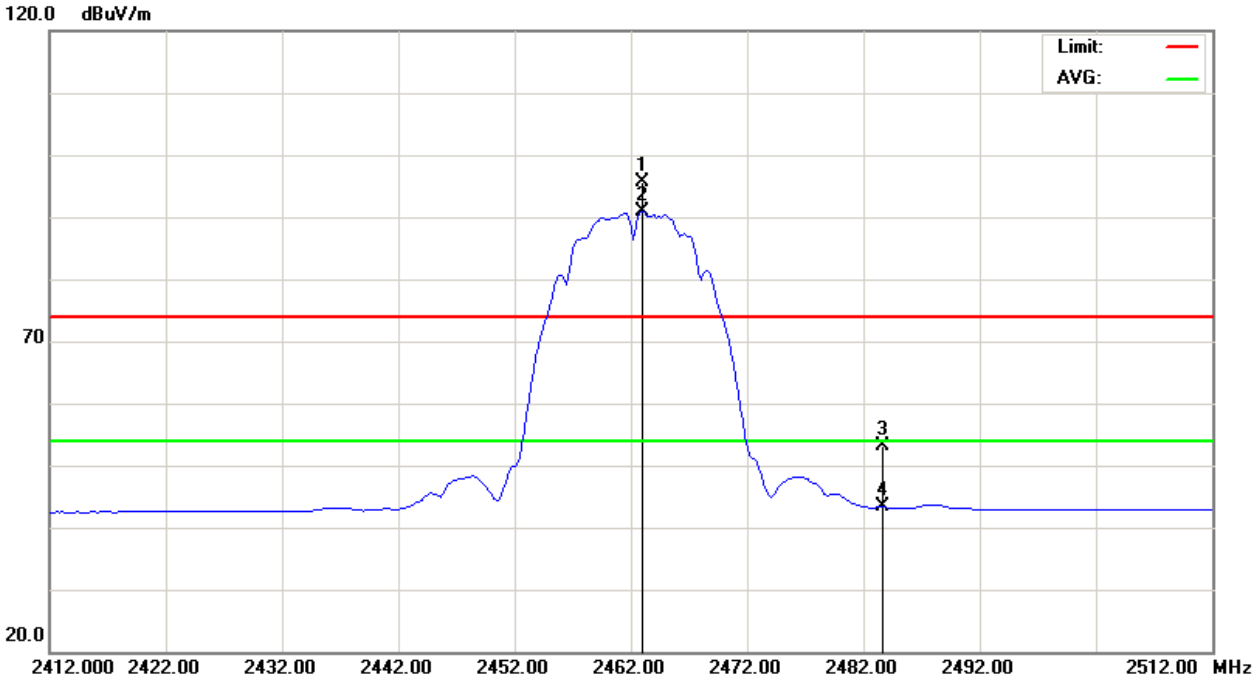
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

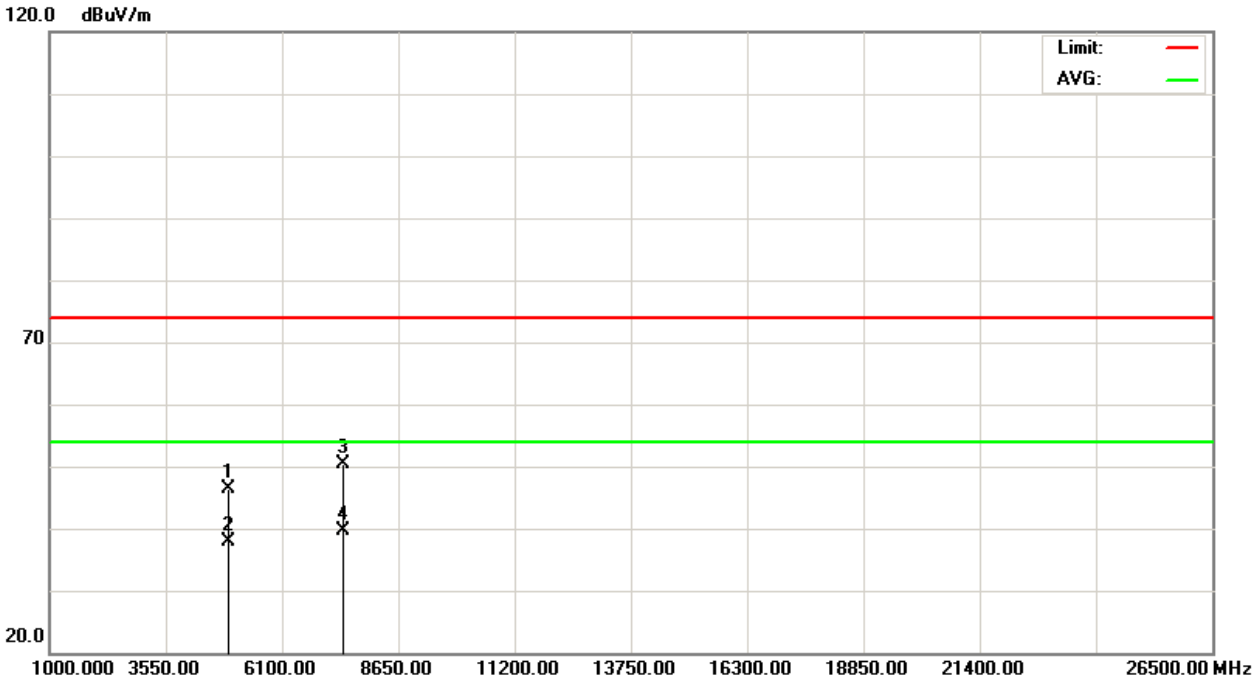
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11b/CH11(Above 1000 MHz, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11b/CH11		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
F	2463.000	H	60.54	56.87	31.19	91.73	88.06				
E	2483.500	H	20.37	11.75	31.28	51.65	43.03	74.00	54.00	- 10.97	AV
H	4924.140	H	42.44	32.86	2.83	45.27	35.69	74.00	54.00	- 18.31	AV
H	7386.140	H	43.77	31.39	8.35	52.12	39.74	74.00	54.00	- 14.26	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

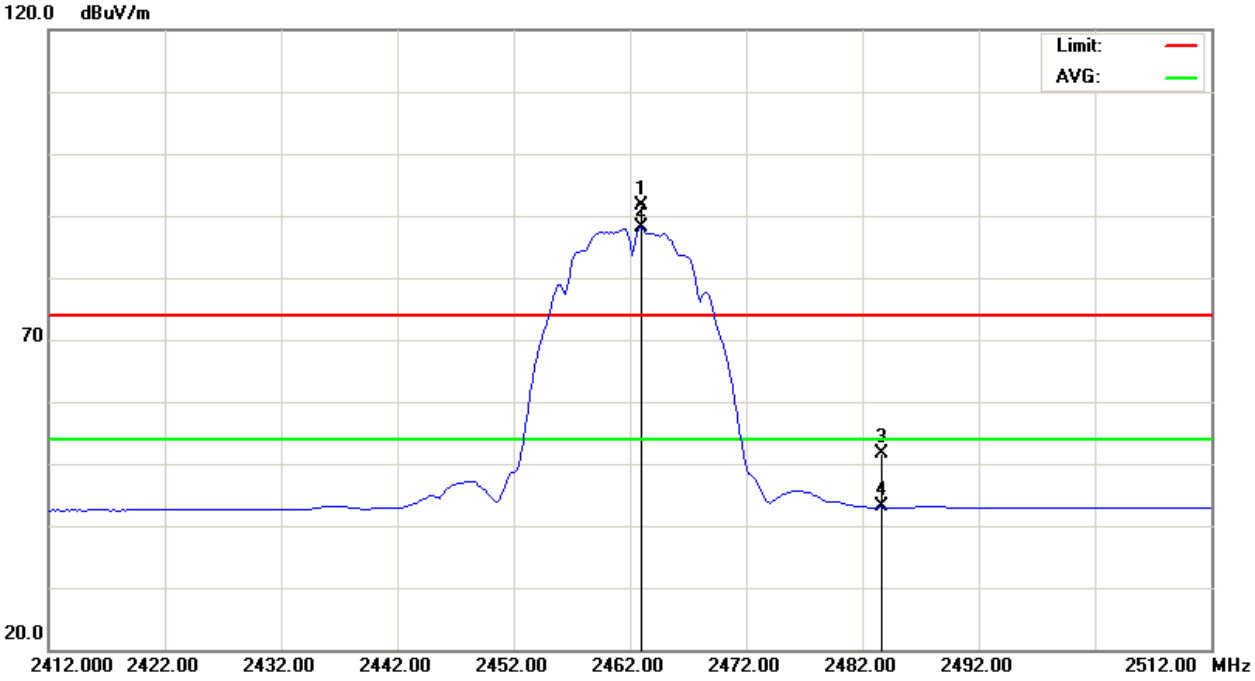
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

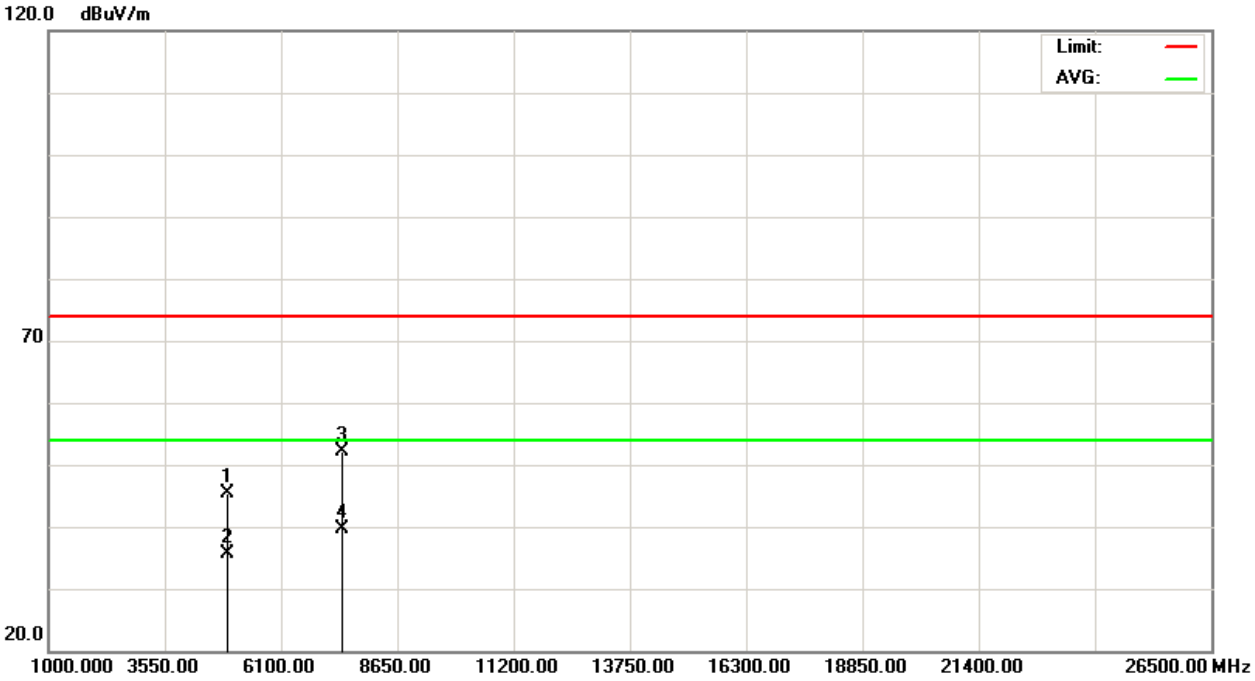
(7) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11b/CH11(Above 1000 MHz, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11g/CH01		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV) Peak	Reading Level(dBuV) AV	Correct Factor(dB)	Measurement(dBuV/m) Peak	Measurement(dBuV/m) AV	Limit(dBuV/m) Peak	Limit(dBuV/m) AV	Margin (dB)	Note
E	2390.000	V	20.08	11.52	30.89	50.97	42.41	74.00	54.00	- 11.59	AV
F	2414.200	V	57.34	47.76	30.99	88.33	78.75				
H	4824.320	V	43.02	30.64	2.56	45.58	33.20	74.00	54.00	- 20.80	AV
H	7236.240	V	42.52	31.48	8.09	50.61	39.57	74.00	54.00	- 14.43	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

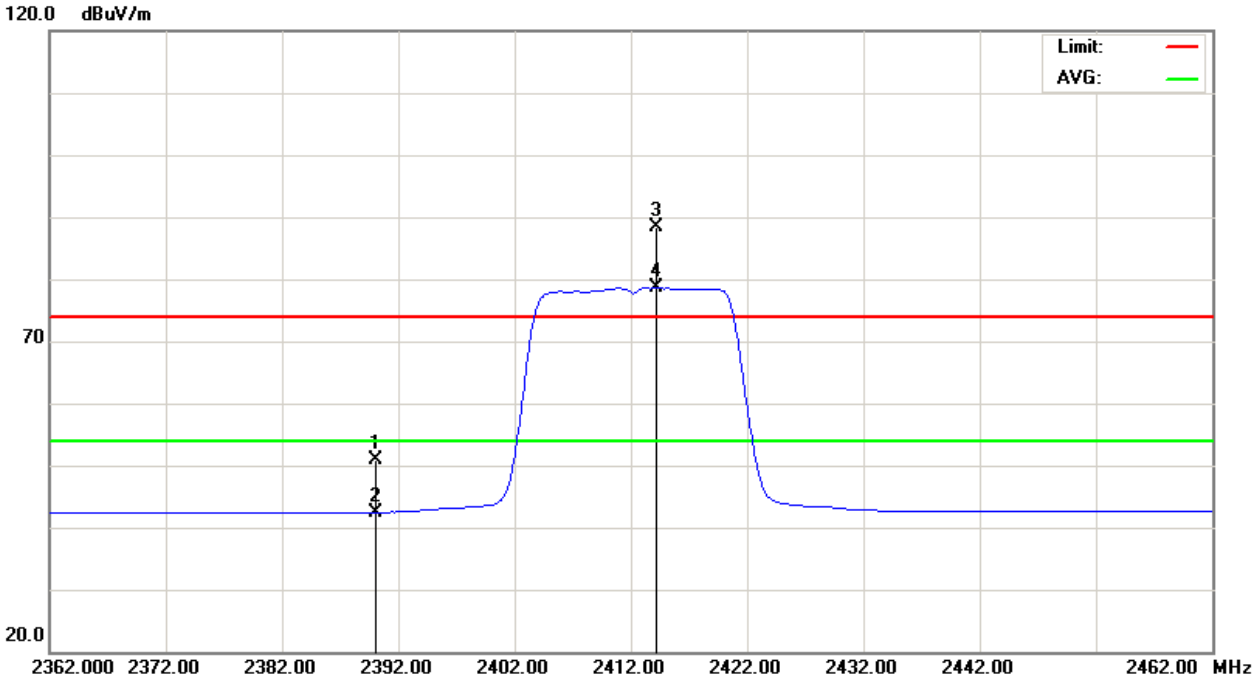
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

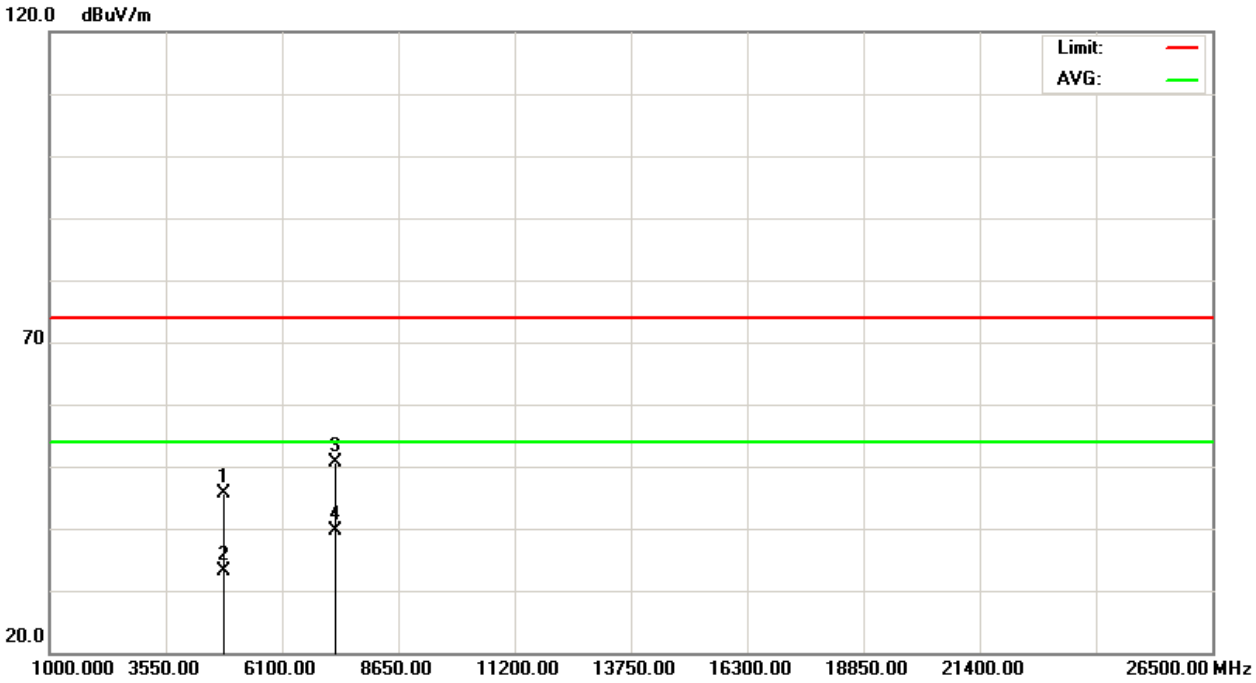
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11g/CH01(Above 1000 MHz, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11g/CH01		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
E	2390.000	H	22.03	11.57	30.89	52.92	42.46	74.00	54.00	- 11.54	AV
F	2414.000	H	59.11	48.94	30.99	90.10	79.93				
H	4824.000	H	42.31	28.42	2.70	45.01	31.12	74.00	54.00	- 22.88	AV
H	7236.120	H	41.93	30.87	8.31	50.24	39.18	74.00	54.00	- 14.82	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

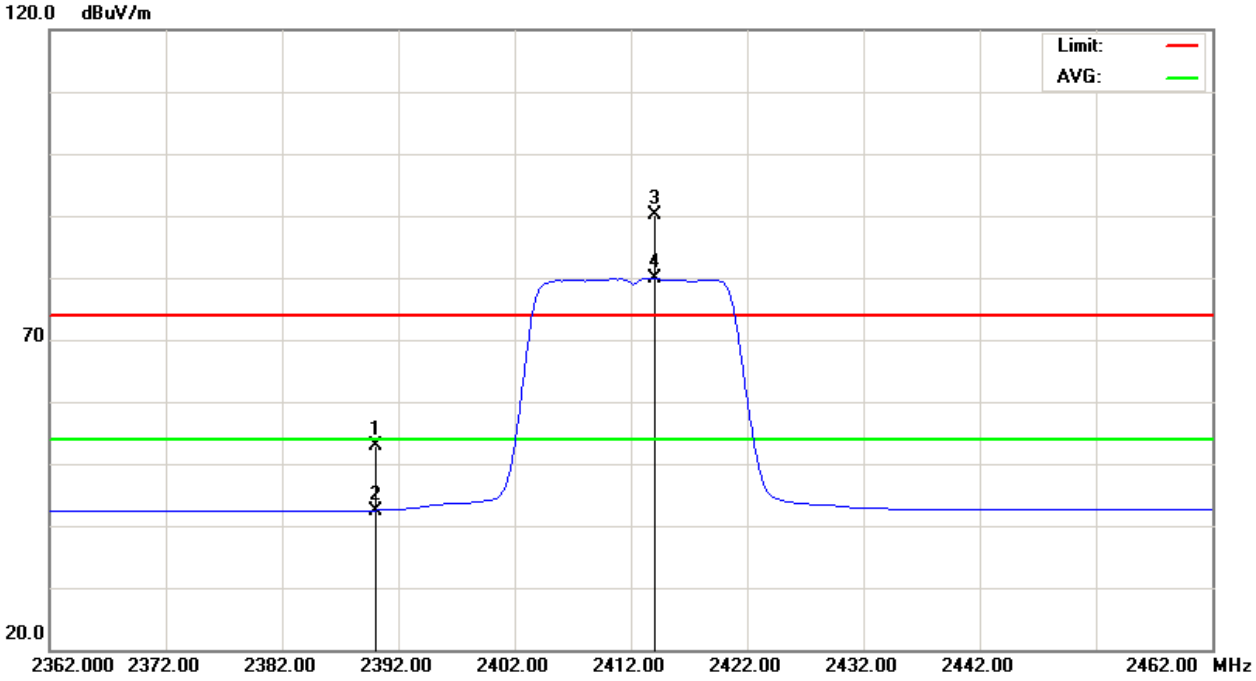
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

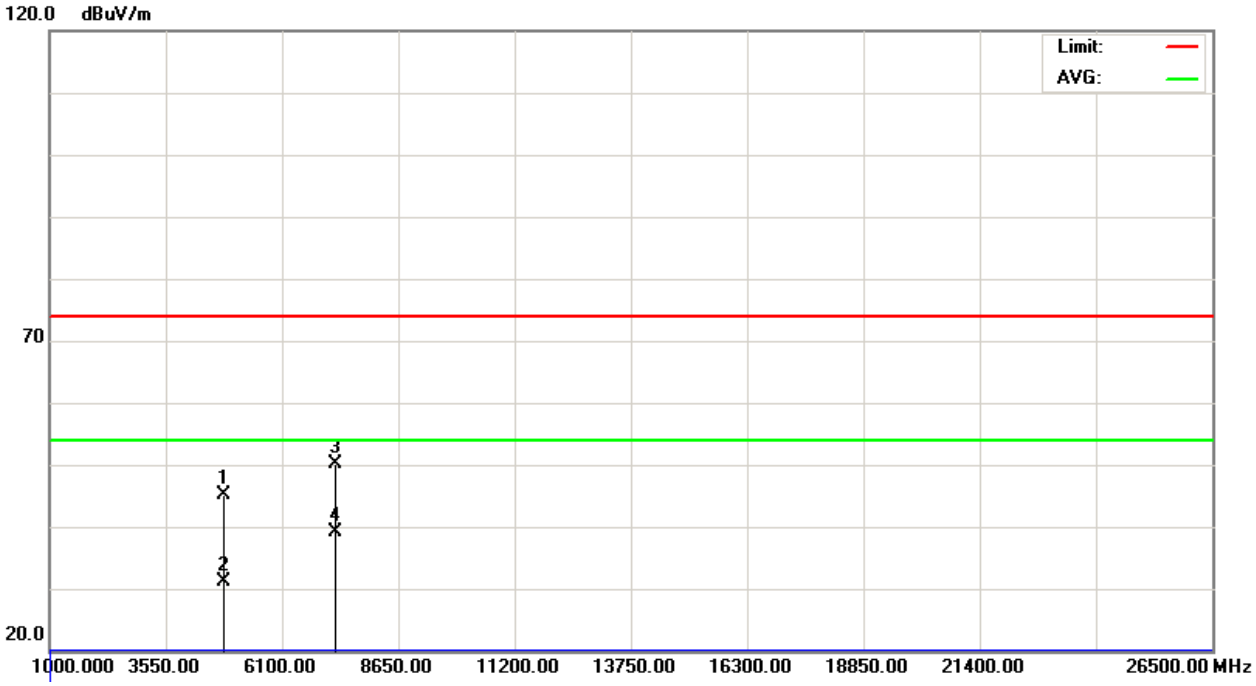
(7) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11g/CH01(Above 1000 MHz, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11g/CH06		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV) Peak	Reading Level(dBuV) AV	Correct Factor(dB)	Measurement(dBuV/m) Peak	Measurement(dBuV/m) AV	Limit(dBuV/m) Peak	Limit(dBuV/m) AV	Margin (dB)	Note
F	2434.800	V	57.29	48.29	31.07	88.36	79.36				
H	4874.320	V	41.92	31.02	2.69	44.61	33.71	74.00	54.00	- 20.29	AV
H	7311.280	V	42.22	30.81	8.22	50.44	39.03	74.00	54.00	- 14.97	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of 『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

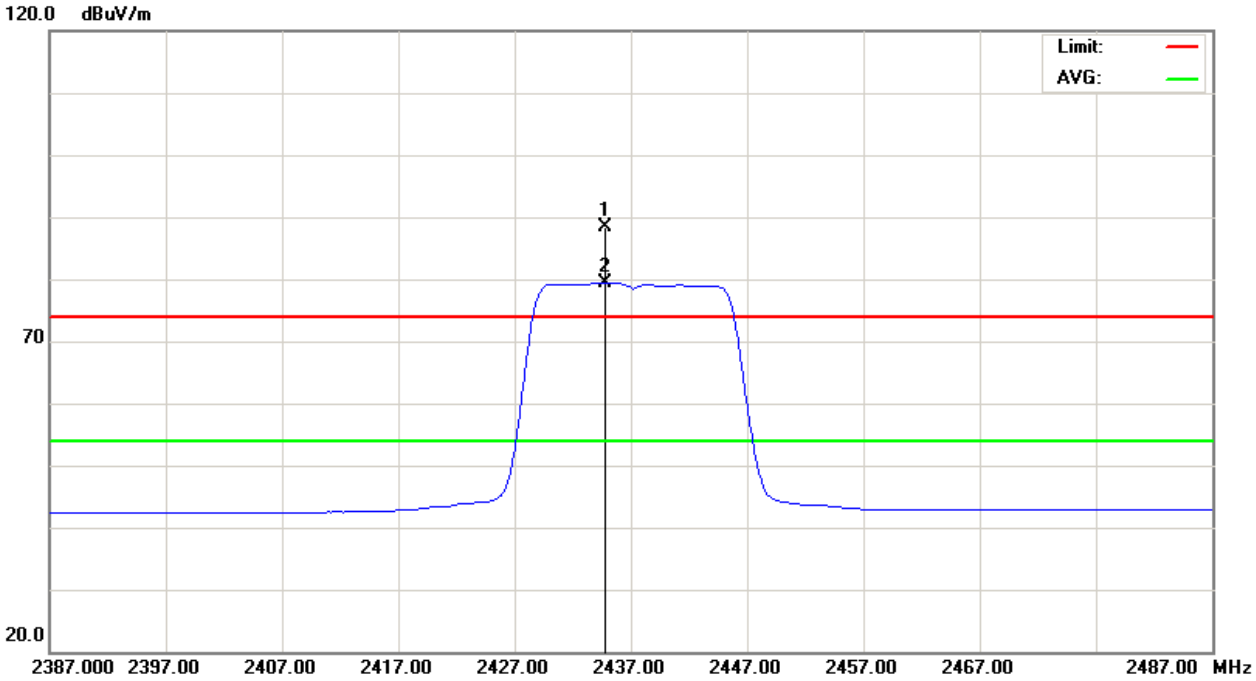
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

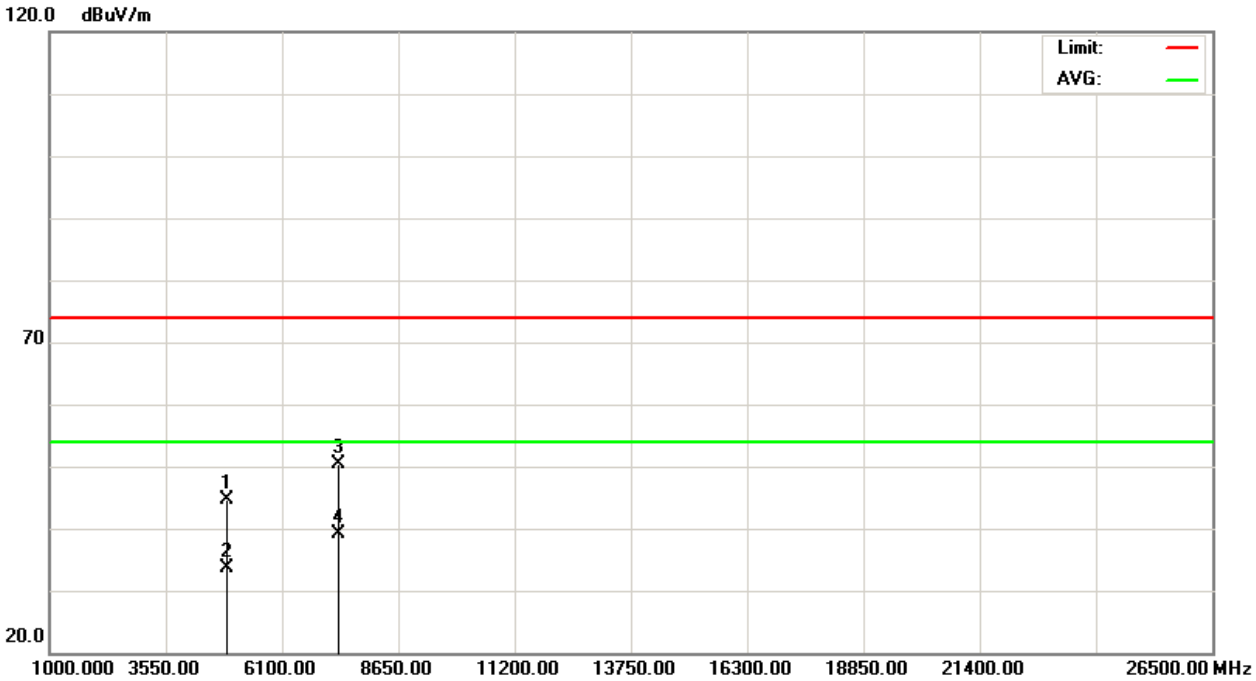
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11g/CH06(Above 1000 MHz, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11g/CH06		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
F	2434.600	H	57.46	48.75	31.07	88.53	79.82				
H	4874.240	H	41.51	30.88	2.69	44.20	33.57	74.00	54.00	- 20.43	AV
H	7310.680	H	41.71	30.79	8.22	49.93	39.01	74.00	54.00	- 14.99	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

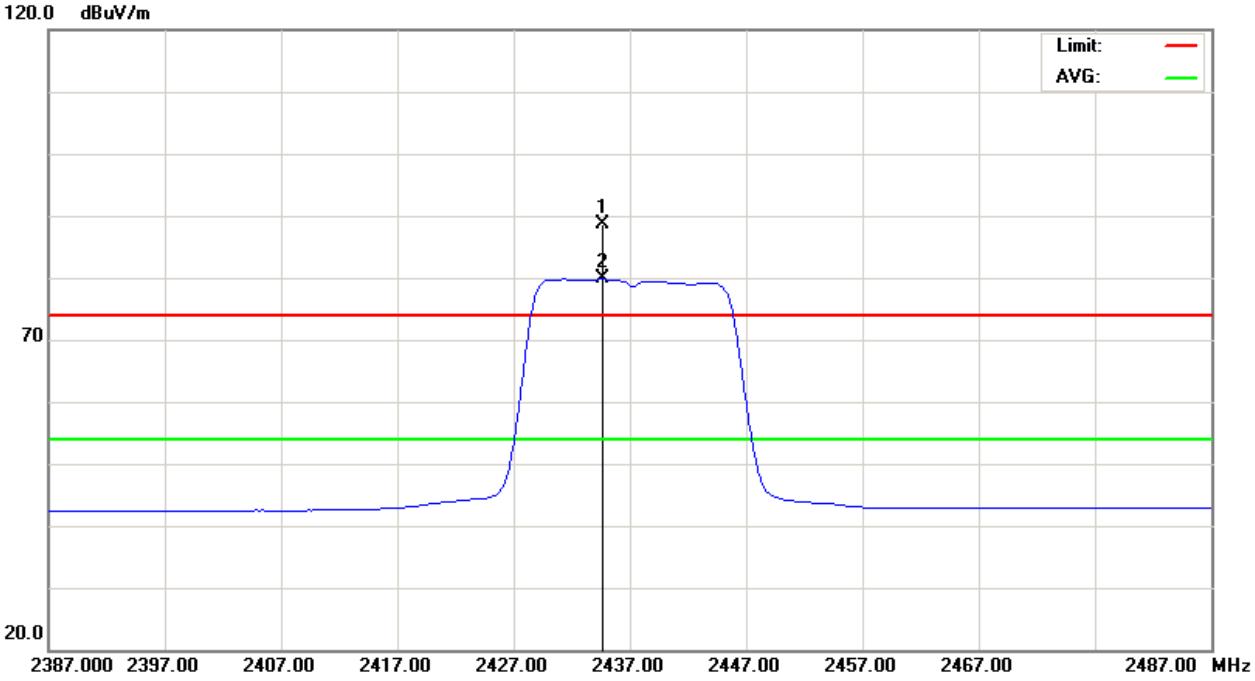
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

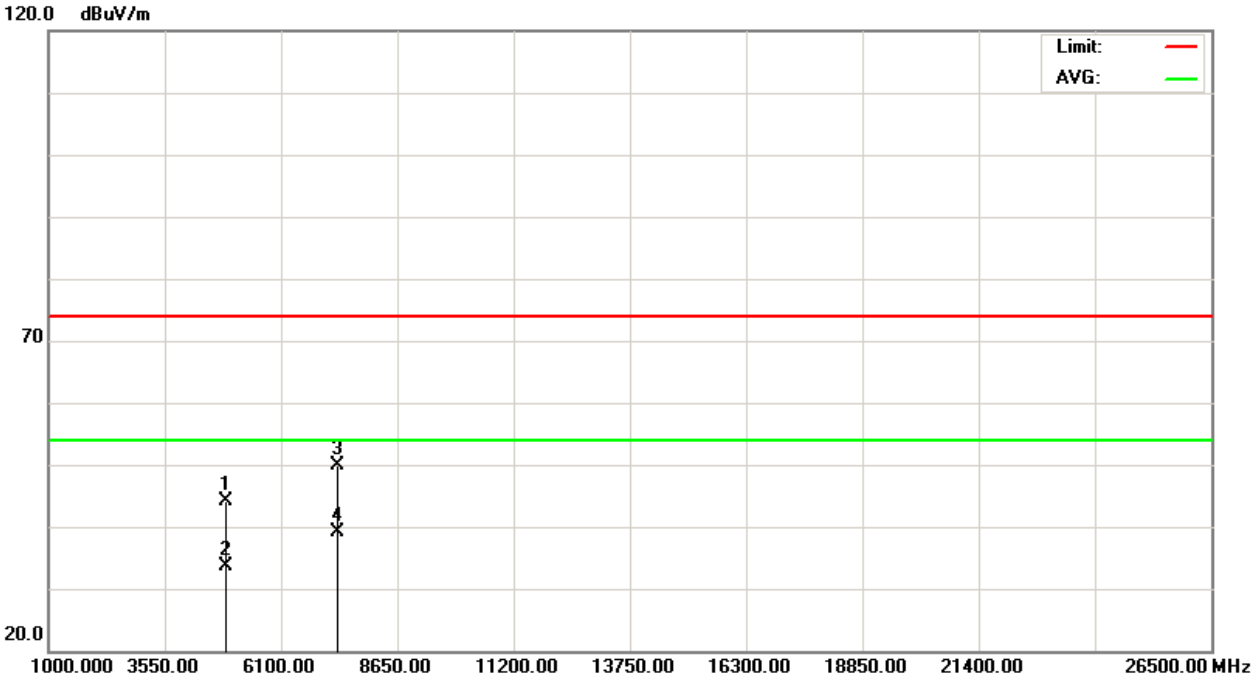
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11g/CH06(Above 1000 MHz, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11g/CH11		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV) Peak	Reading Level(dBuV) AV	Correct Factor(dB)	Measurement(dBuV/m) Peak	Measurement(dBuV/m) AV	Limit(dBuV/m) Peak	Limit(dBuV/m) AV	Margin (dB)	Note
F	2464.000	V	58.11	48.89	31.20	89.31	80.09				
E	2483.500	V	20.38	11.82	31.28	51.66	43.10	74.00	54.00	- 10.90	AV
H	4923.680	V	41.40	30.65	2.82	44.22	33.47	74.00	54.00	- 20.53	AV
H	7386.360	V	43.11	31.52	8.35	51.46	39.87	74.00	54.00	- 14.13	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

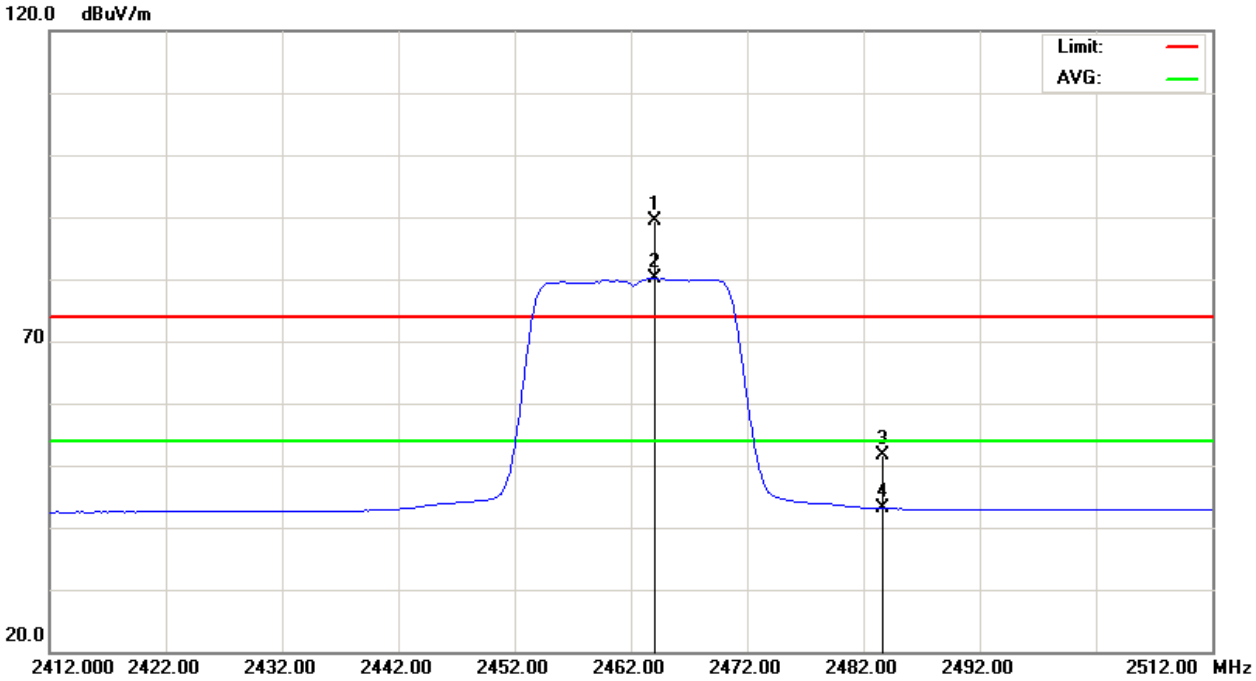
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

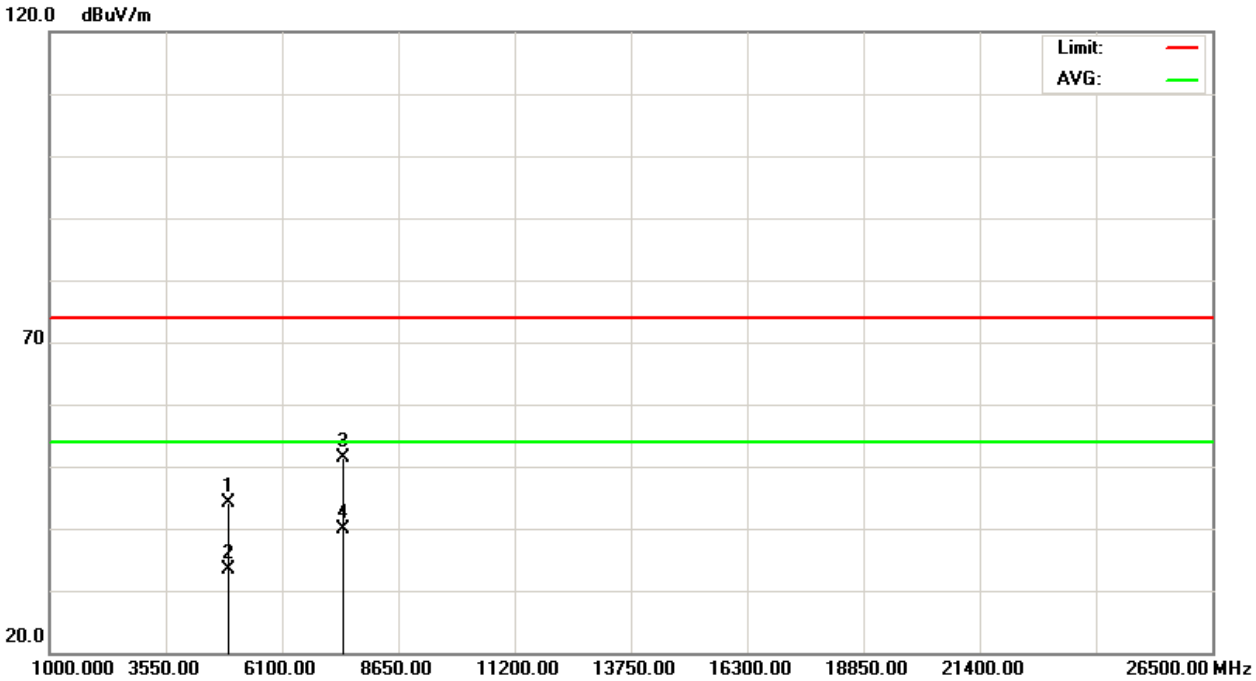
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11g/CH11(Above 1000 MHz, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11g/CH11		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
F	2455.200	H	56.81	46.91	31.16	87.97	78.07				
E	2483.500	H	22.86	11.66	31.28	54.14	42.94	74.00	54.00	- 11.06	AV
H	4923.360	H	42.24	30.52	2.82	45.06	33.34	74.00	54.00	- 20.66	AV
H	7385.800	H	42.33	31.52	8.35	50.68	39.87	74.00	54.00	- 14.13	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

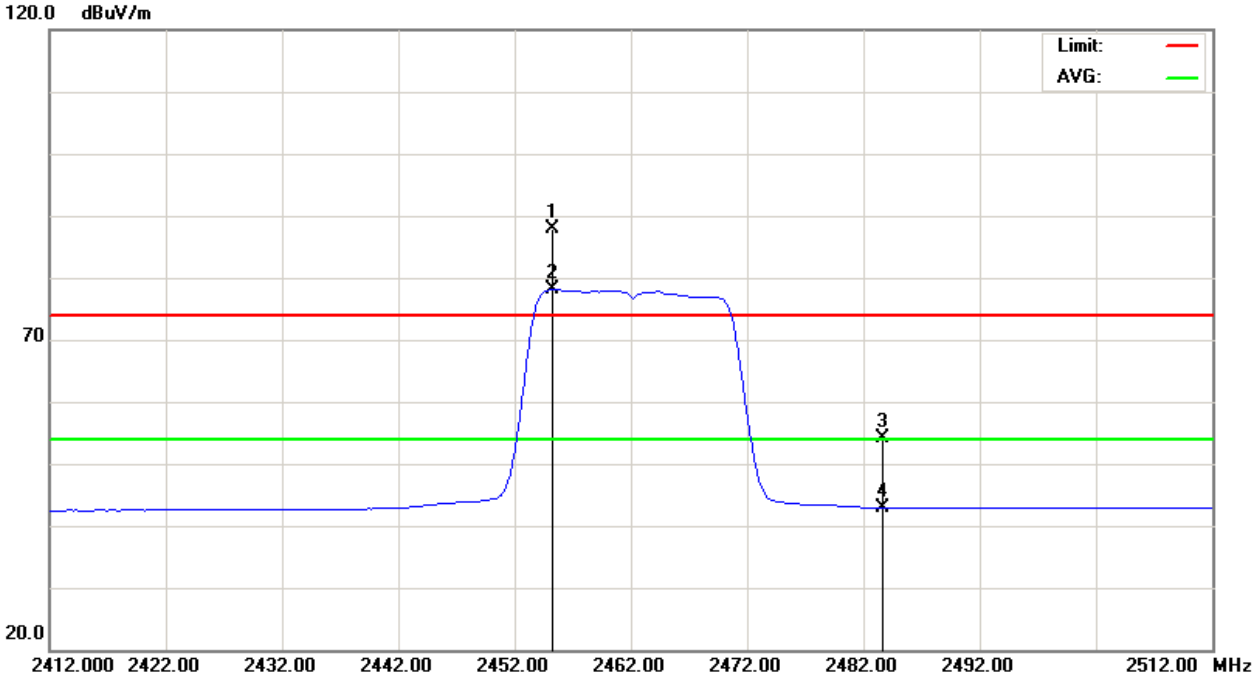
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

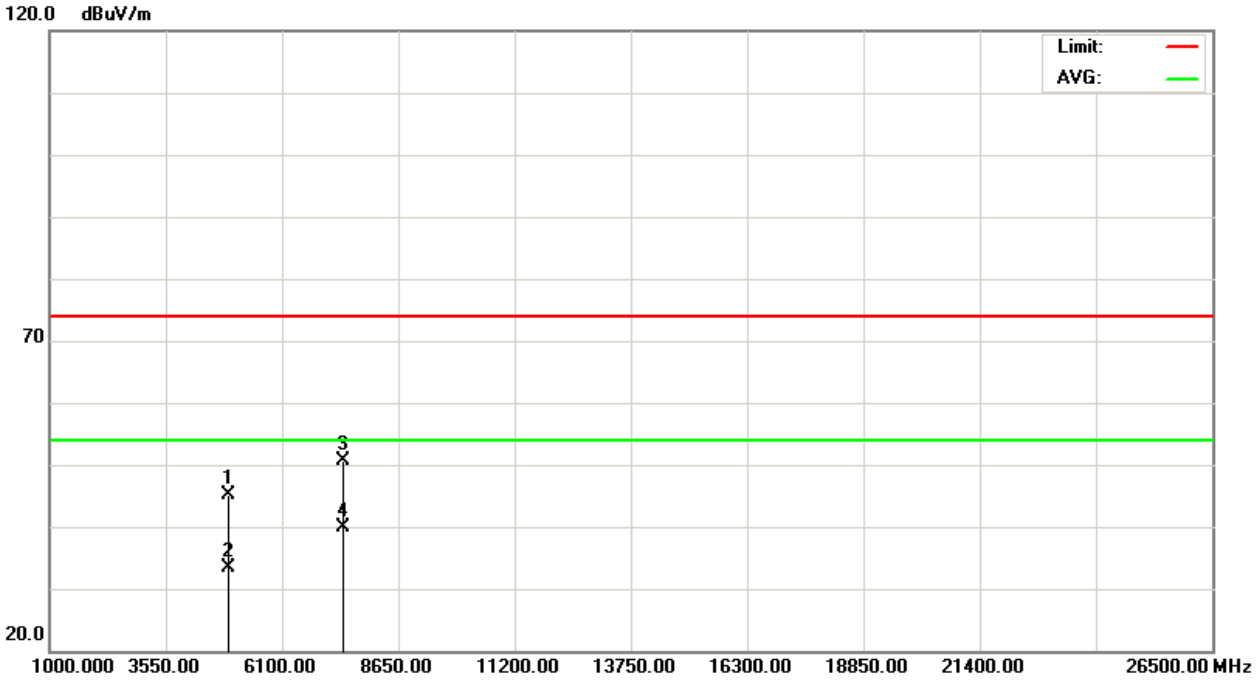
(7) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11g/CH11(Above 1000 MHz, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/20M/CH01		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV) Peak	Reading Level(dBuV) AV	Correct Factor(dB)	Measurement(dBuV/m) Peak	Measurement(dBuV/m) AV	Limit(dBuV/m) Peak	Limit(dBuV/m) AV	Margin (dB)	Note
E	2390.000	V	21.68	11.89	30.89	52.57	42.78	74.00	54.00	- 11.22	AV
F	2414.200	V	59.32	49.61	30.99	90.31	80.60				
H	4823.960	V	41.66	31.15	2.70	44.36	33.85	74.00	54.00	- 20.15	AV
H	7236.220	V	43.10	31.06	8.31	51.41	39.37	74.00	54.00	- 14.63	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

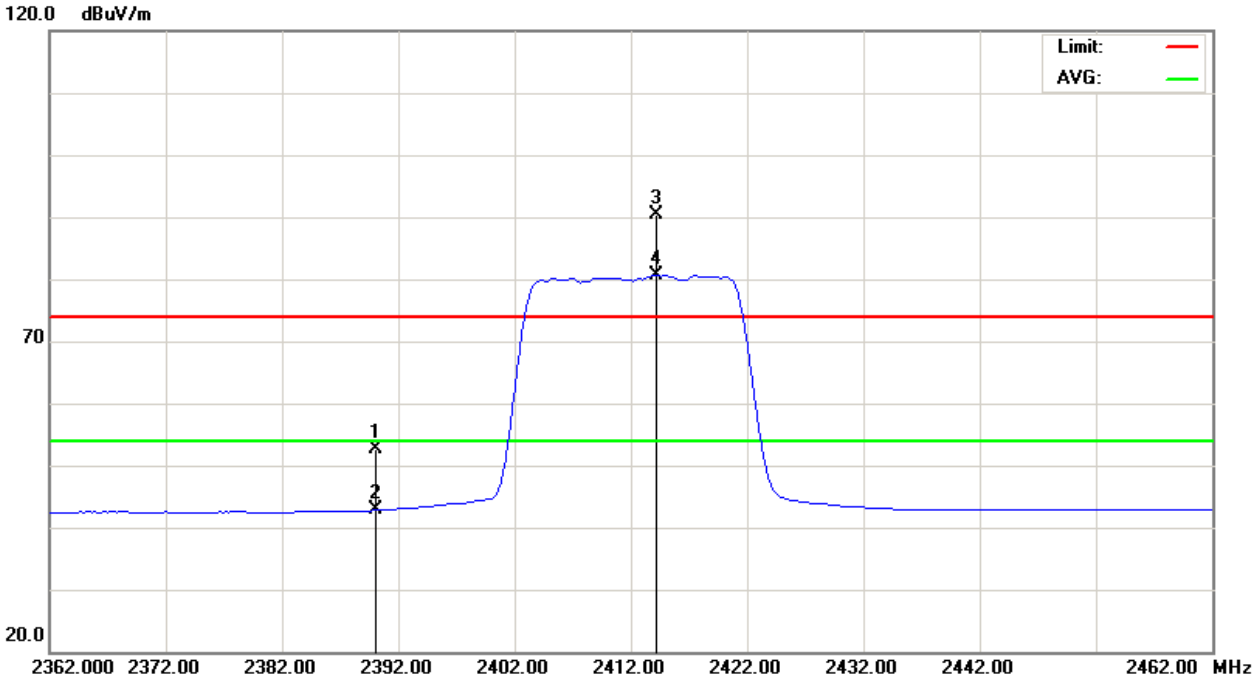
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

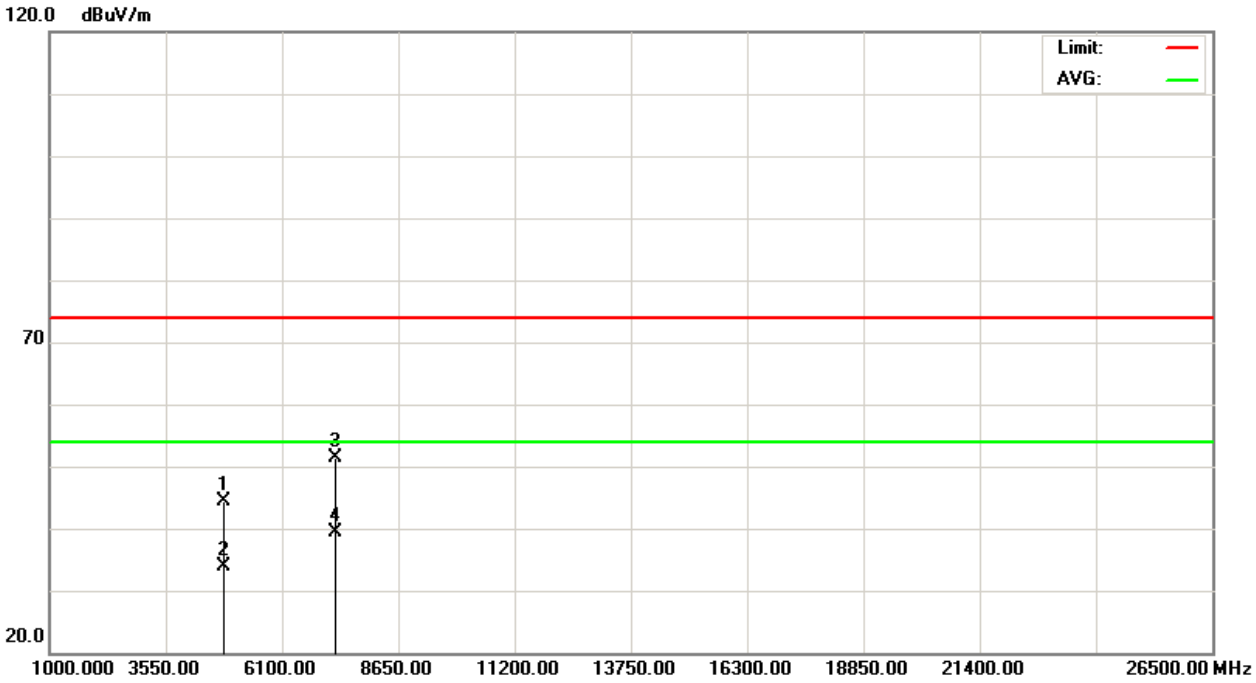
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11n/20M/CH01(Above 1000 MHz, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/20M/CH01		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
E	2390.000	H	21.10	12.07	30.89	51.99	42.96	74.00	54.00	- 11.04	AV
F	2413.800	H	60.12	50.49	30.99	91.11	81.48				
H	4823.920	H	41.75	31.14	2.70	44.45	33.84	74.00	54.00	- 20.16	AV
H	7235.960	H	41.23	31.05	8.31	49.54	39.36	74.00	54.00	- 14.64	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

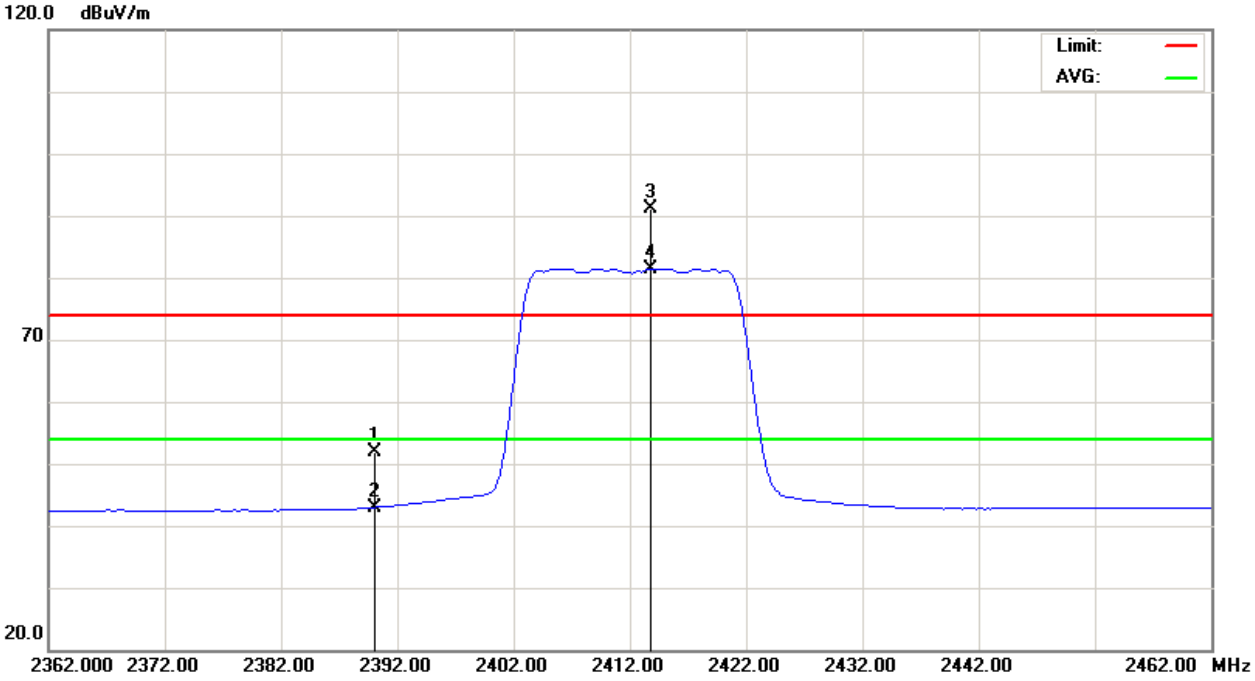
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

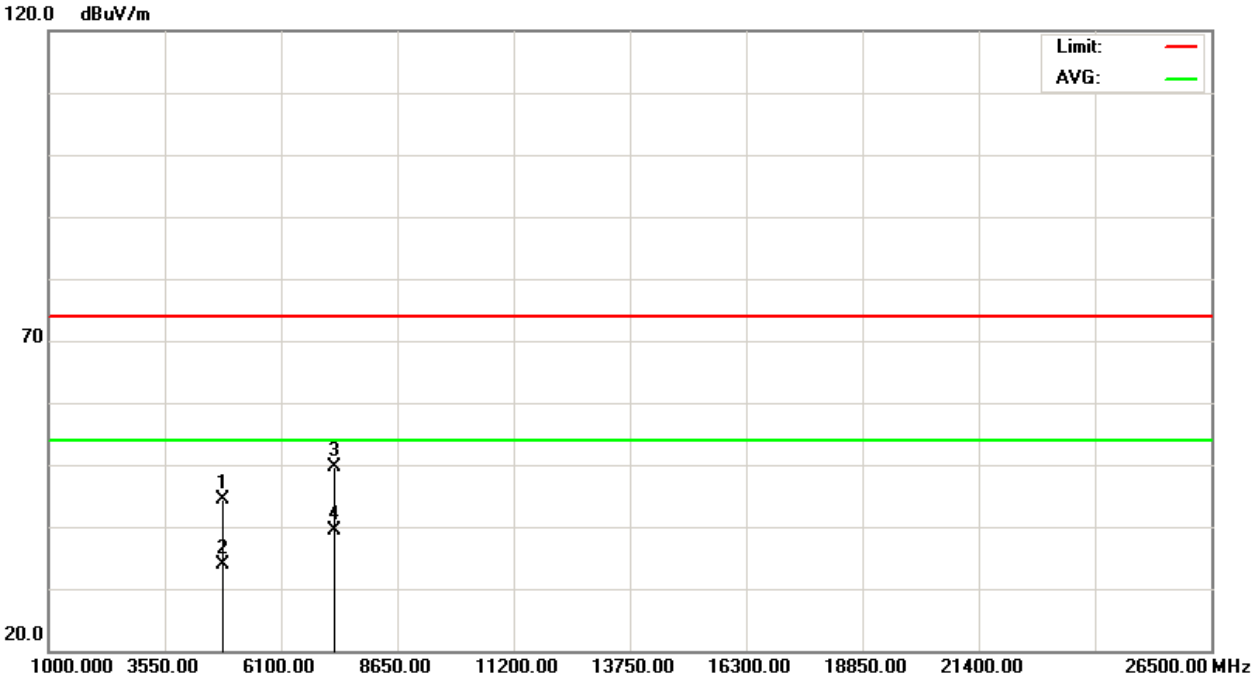
(7) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11n/20M/CH01(Above 1000 MHz, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/20M/CH06		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV) Peak	Reading Level(dBuV) AV	Correct Factor(dB)	Measurement(dBuV/m) Peak	Measurement(dBuV/m) AV	Limit(dBuV/m) Peak	Limit(dBuV/m) AV	Margin (dB)	Note
F	2431.600	V	59.80	50.11	31.06	90.86	81.17				
H	4874.160	V	41.35	31.01	2.87	44.22	33.88	74.00	54.00	- 20.12	AV
H	7311.120	V	43.01	31.22	8.41	51.42	39.63	74.00	54.00	- 14.37	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of 『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

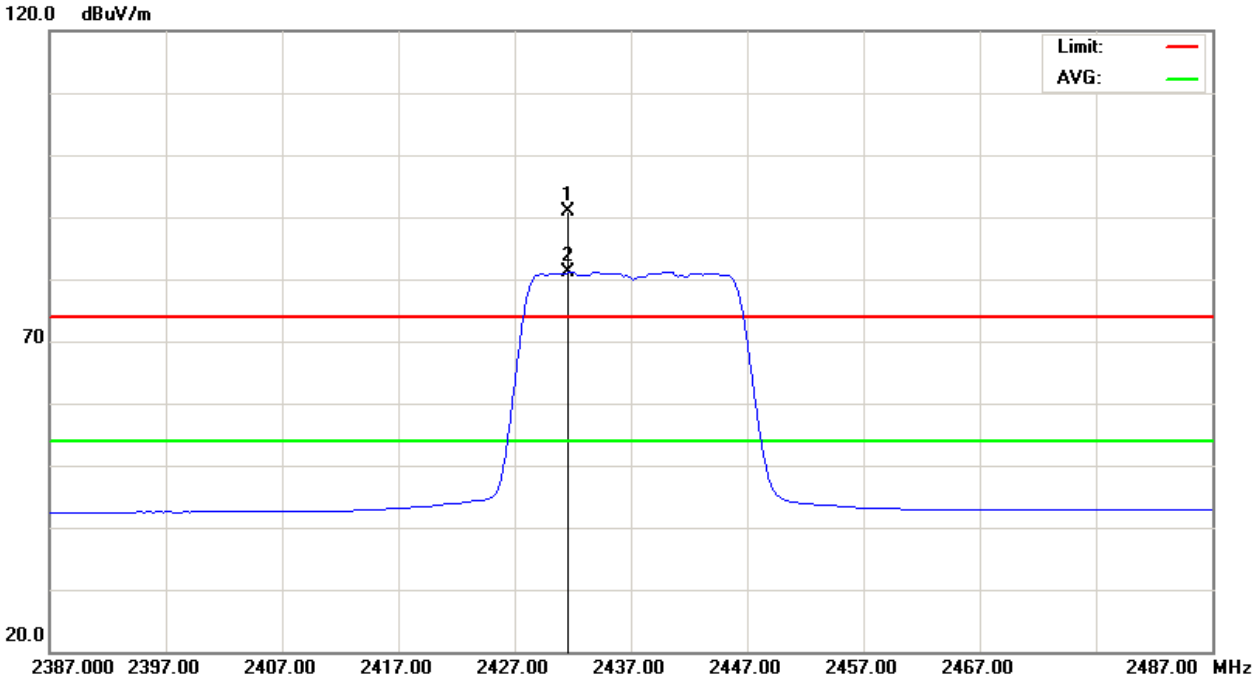
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

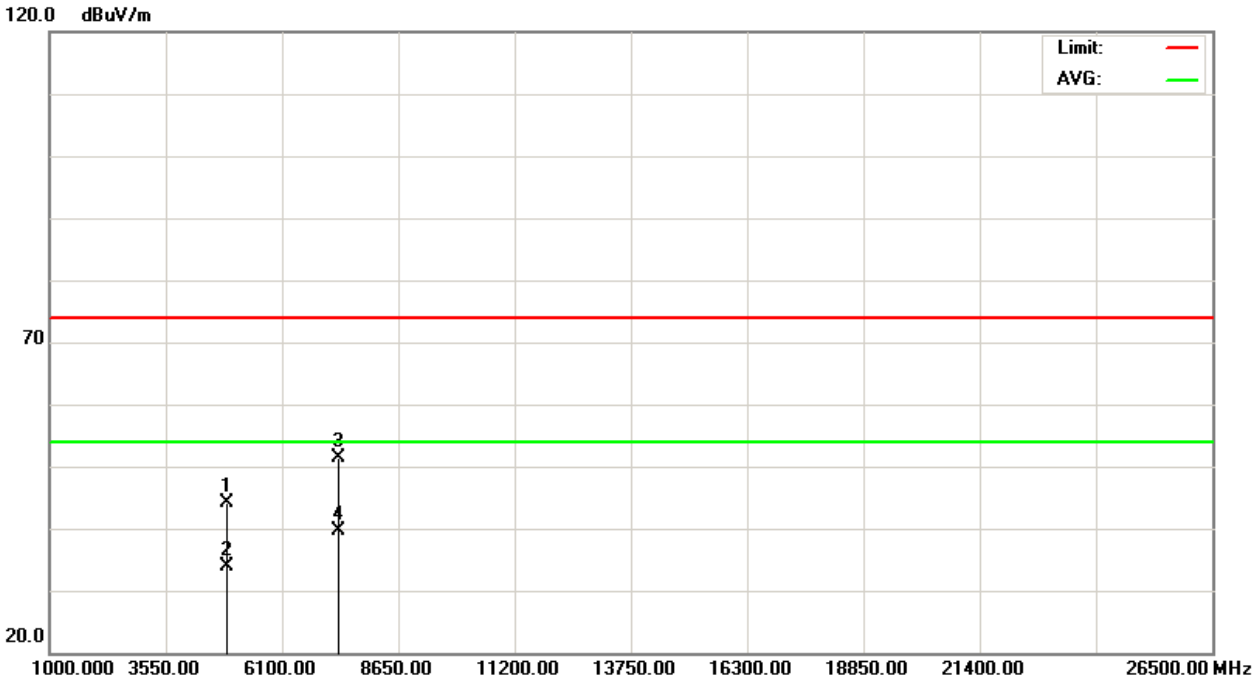
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11n/20M/CH06(Above 1000 MHz, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/20M/CH06		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
F	2431.800	H	57.88	48.80	31.06	88.94	79.86				
H	4873.900	H	41.98	30.91	2.87	44.85	33.78	74.00	54.00	- 20.22	AV
H	7310.820	H	41.91	31.18	8.41	50.32	39.59	74.00	54.00	- 14.41	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

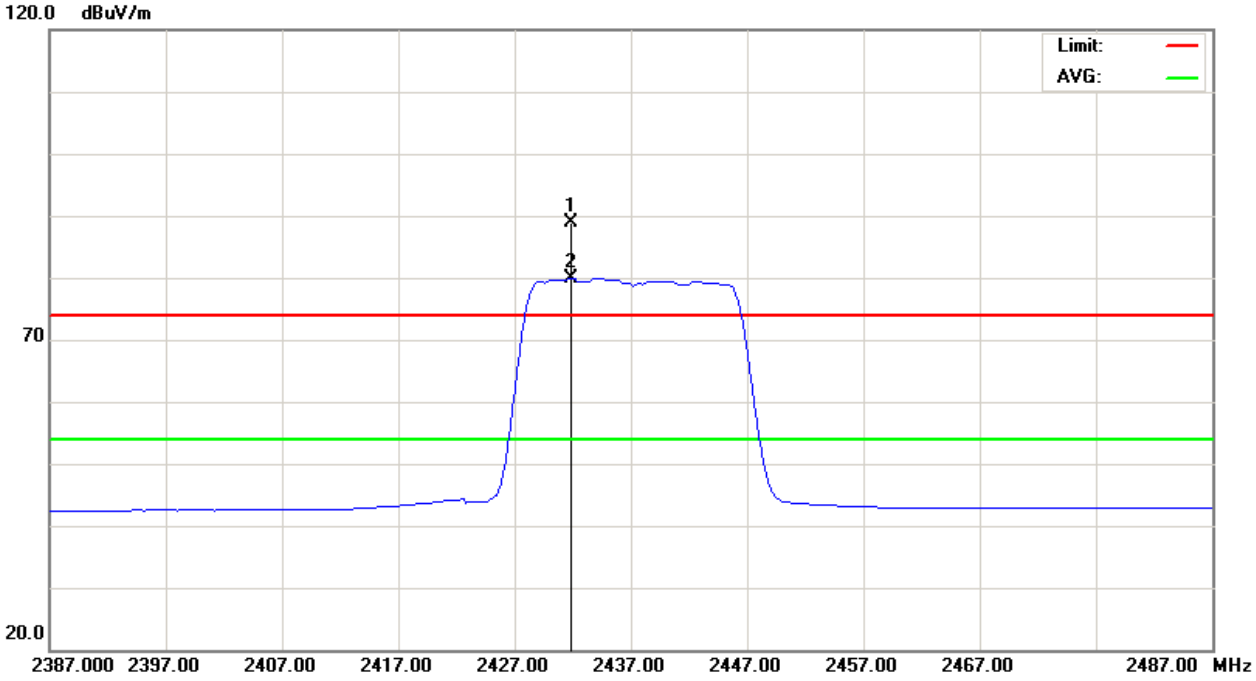
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

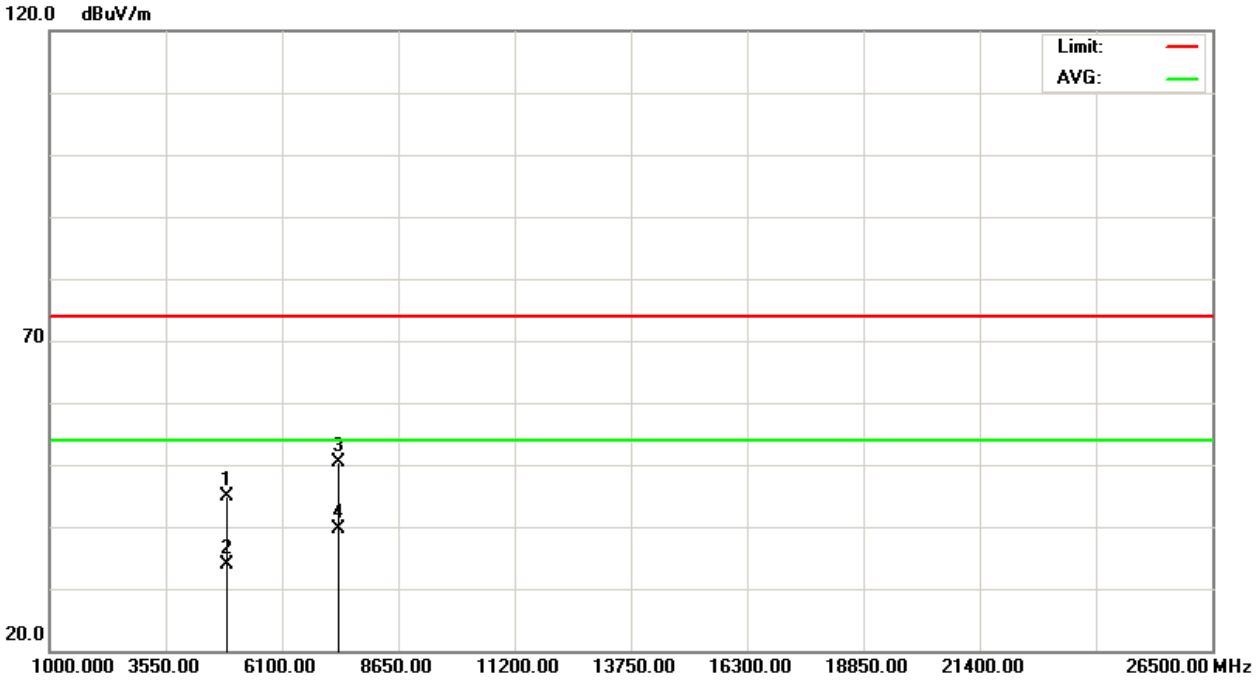
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11n/20M/CH06(Above 1000 MHz, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/20M/CH11		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
F	2463.600	V	60.07	50.55	31.20	91.27	81.75				
E	2483.500	V	21.24	12.17	31.28	52.52	43.45	74.00	54.00	- 10.55	AV
H	4923.940	V	41.74	30.92	3.03	44.77	33.95	74.00	54.00	- 20.05	AV
H	7386.120	V	42.41	31.64	8.51	50.92	40.15	74.00	54.00	- 13.85	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

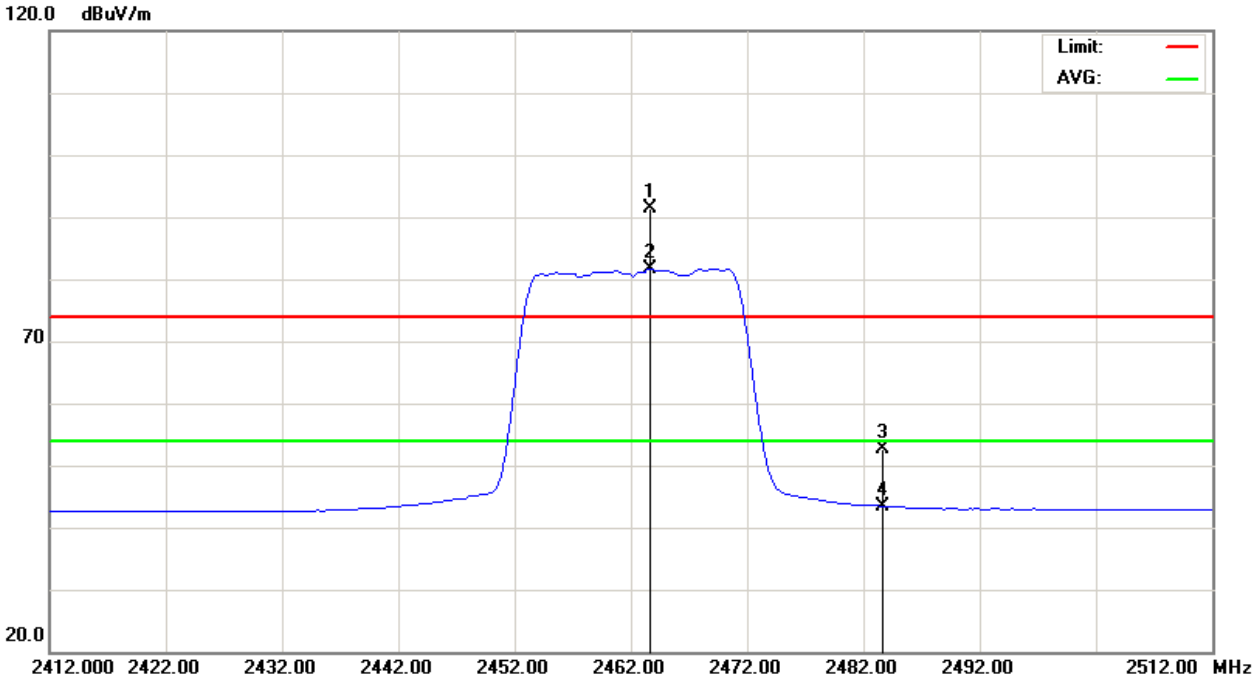
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

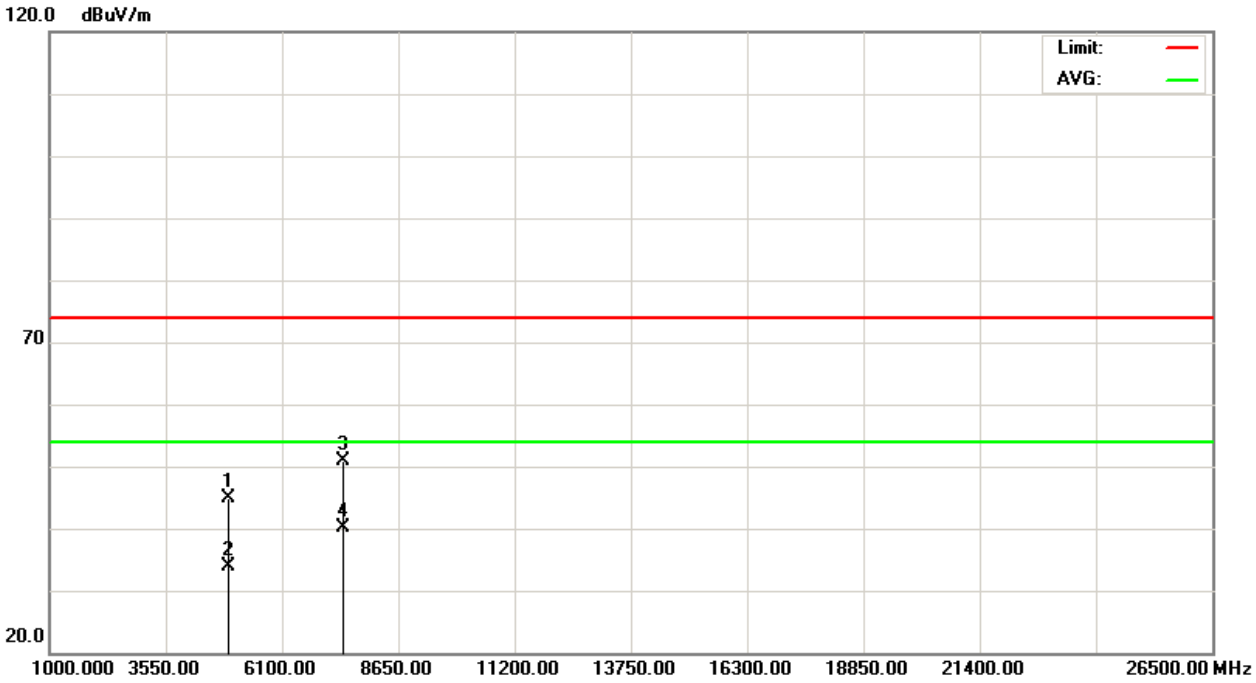
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11n/20M/CH11(Above 1000 MHz, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/20M/CH11		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
F	2455.200	H	58.80	47.83	31.16	89.96	78.99				
E	2483.500	H	21.14	11.83	31.28	52.42	43.11	74.00	54.00	- 10.89	AV
H	4924.160	H	41.35	30.93	3.03	44.38	33.96	74.00	54.00	- 20.04	AV
H	7385.900	H	43.04	31.61	8.51	51.55	40.12	74.00	54.00	- 13.88	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

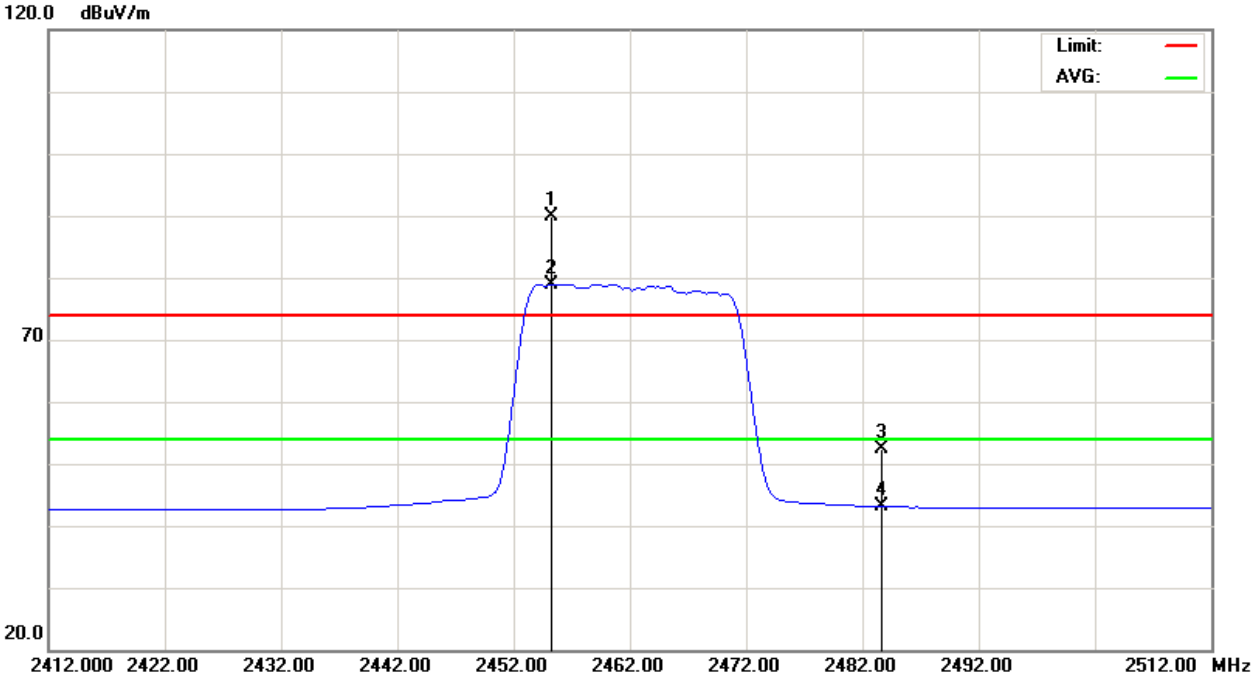
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

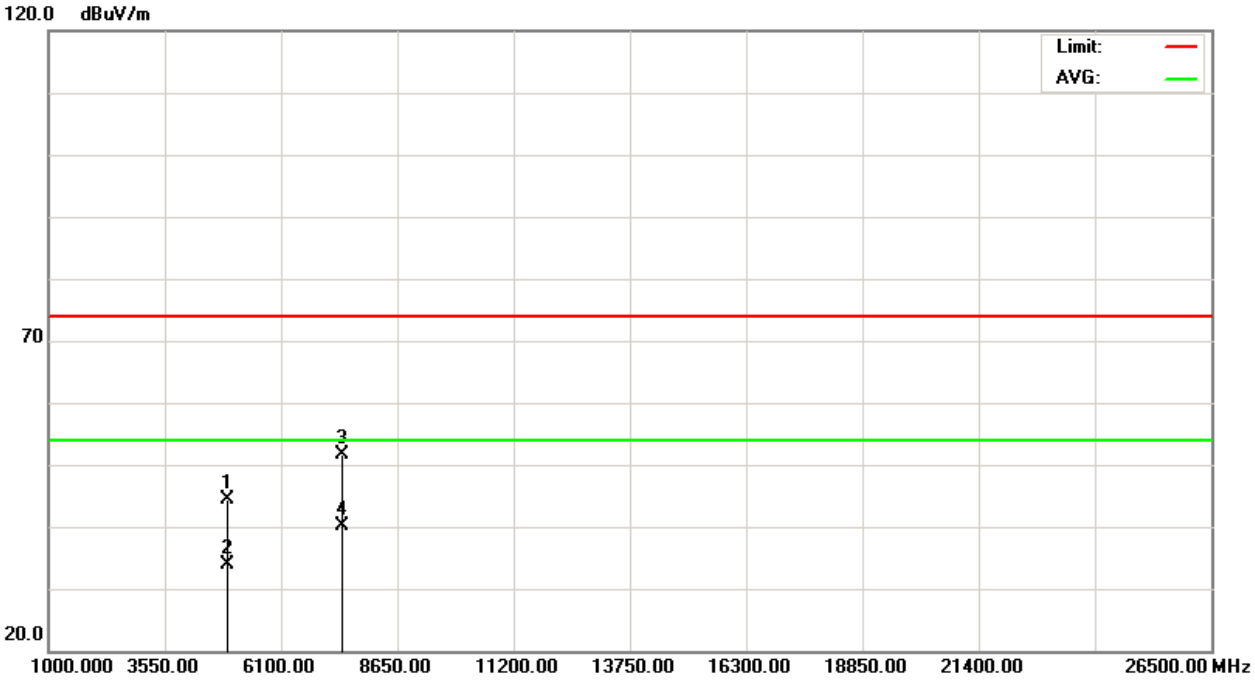
(7) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11n/20M/CH11(Above 1000 MHz, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity：	31%
Test Voltage：	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/40M/CH03		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
E	2390.000	V	22.75	12.61	30.89	53.64	43.50	74.00	54.00	- 10.50	AV
F	2420.000	V	56.45	47.19	31.01	87.46	78.20				
H	4843.840	V	40.72	31.01	2.77	43.49	33.78	74.00	54.00	- 20.22	AV
H	7265.720	V	41.99	31.45	8.35	50.34	39.80	74.00	54.00	- 14.20	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

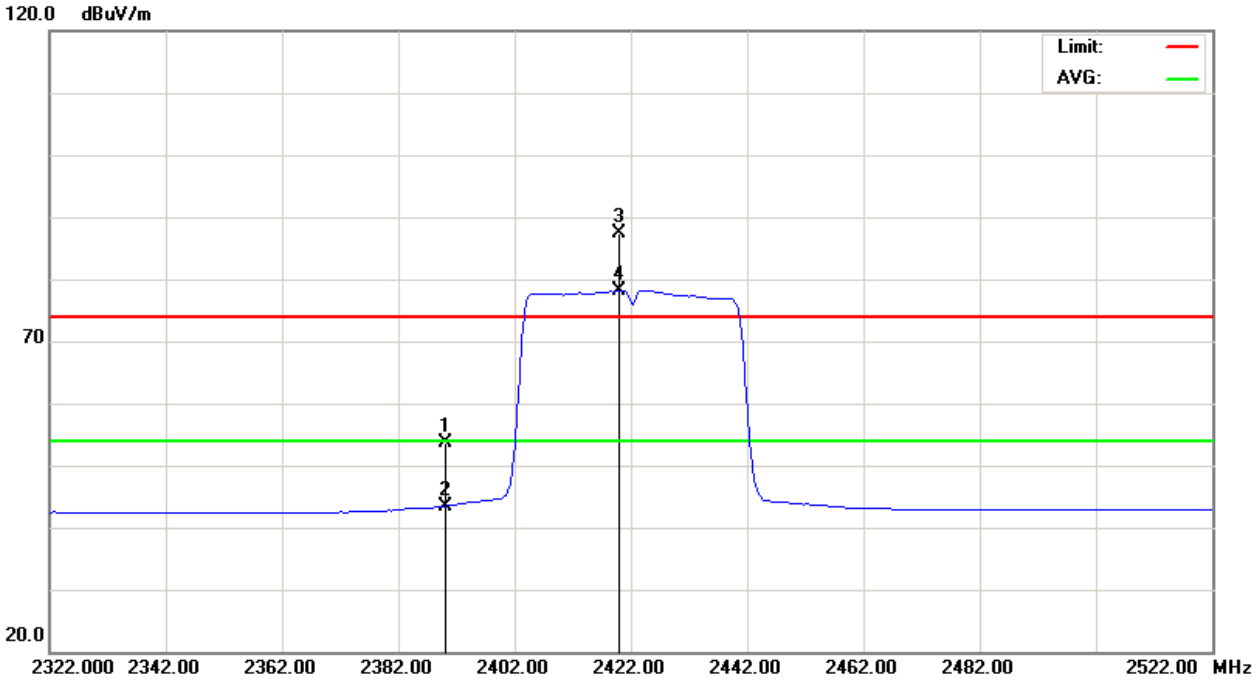
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

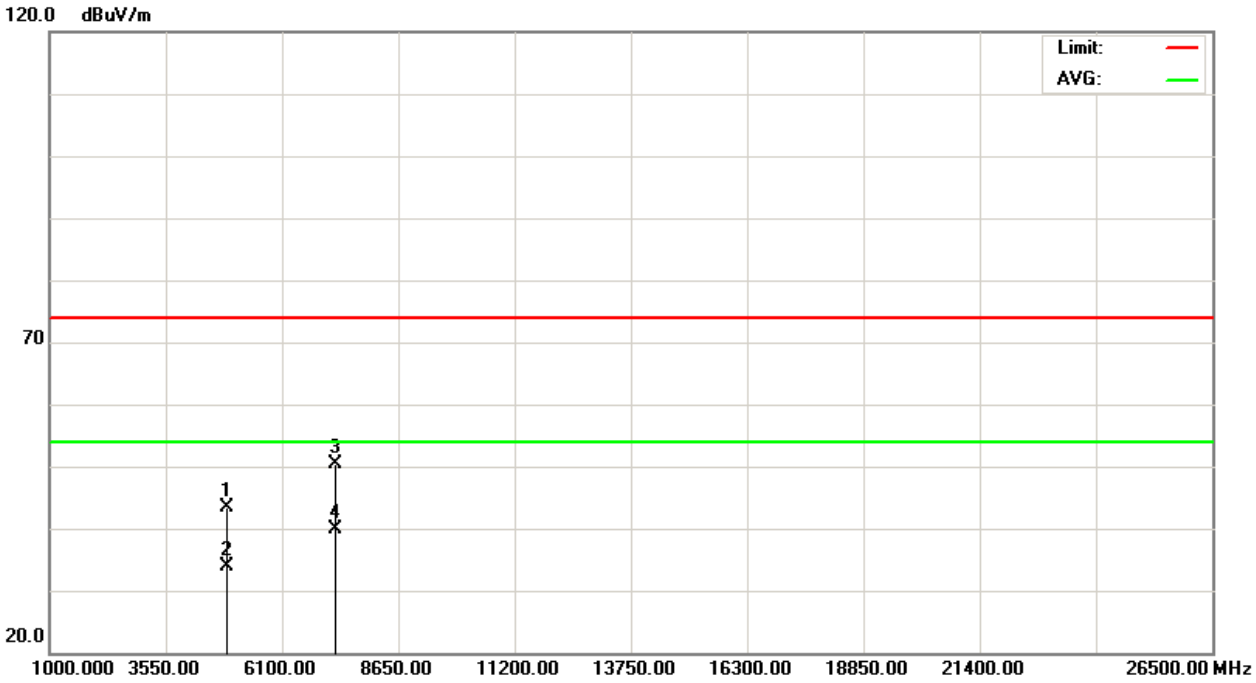
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11n/40M/CH03(Above 1000 MHz, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/40M/CH03		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
E	2390.000	H	22.25	12.55	30.89	53.14	43.44	74.00	54.00	- 10.56	AV
F	2420.400	H	56.89	47.51	31.01	87.90	78.52				
H	4844.120	H	41.48	30.90	2.77	44.25	33.67	74.00	54.00	- 20.33	AV
H	7265.720	H	42.44	31.39	8.35	50.79	39.74	74.00	54.00	- 14.26	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

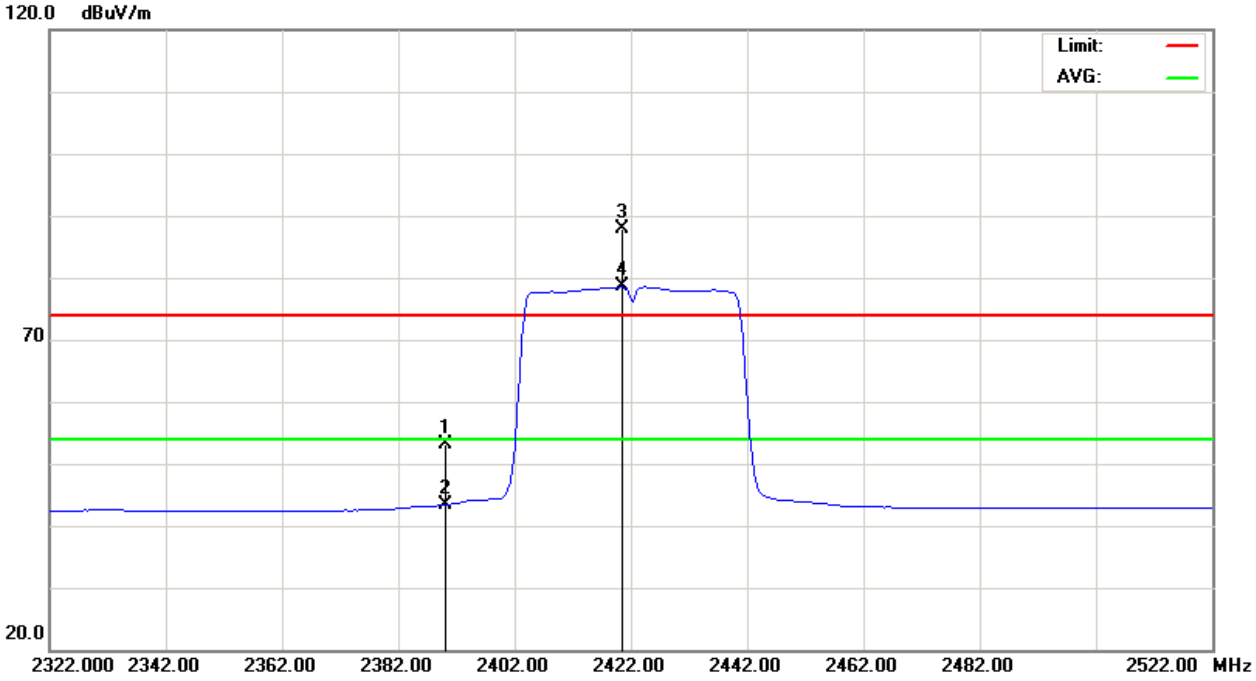
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

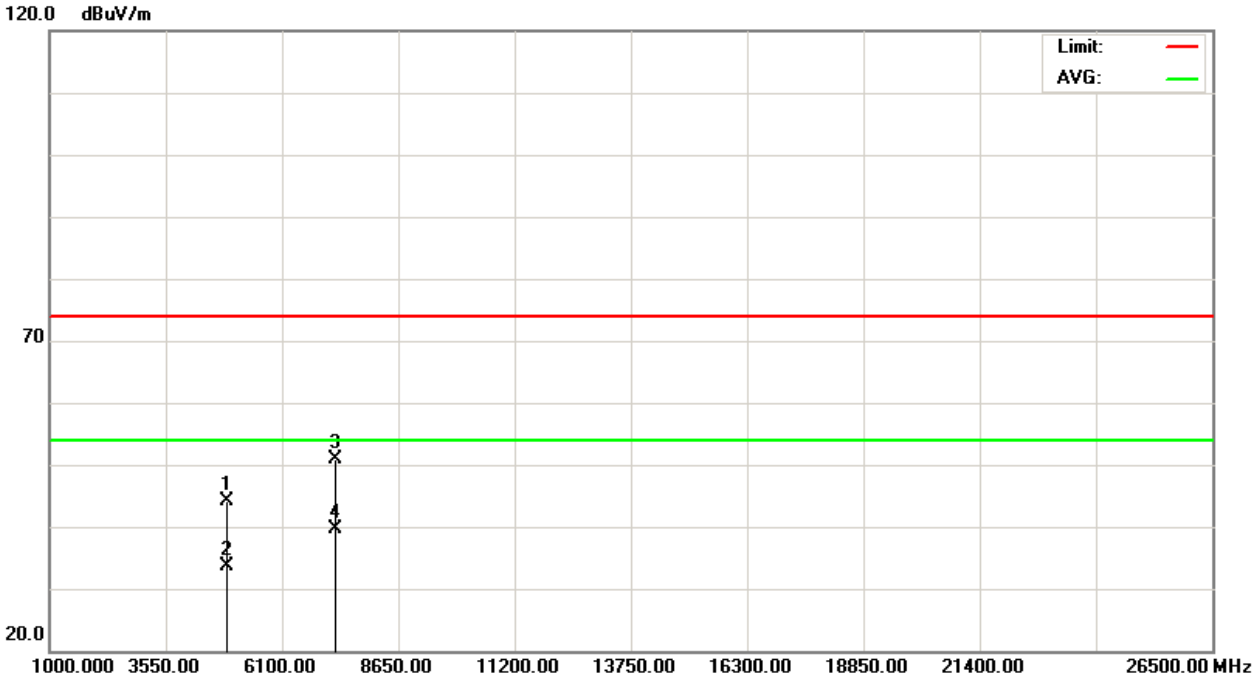
(7) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11n/40M/CH03(Above 1000 MHz, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/40M/CH06		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
F	2451.400	V	55.40	46.07	31.14	86.54	77.21				
H	4873.920	V	42.23	30.82	2.87	45.10	33.69	74.00	54.00	- 20.31	AV
H	7310.880	V	42.54	30.71	8.41	50.95	39.12	74.00	54.00	- 14.88	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

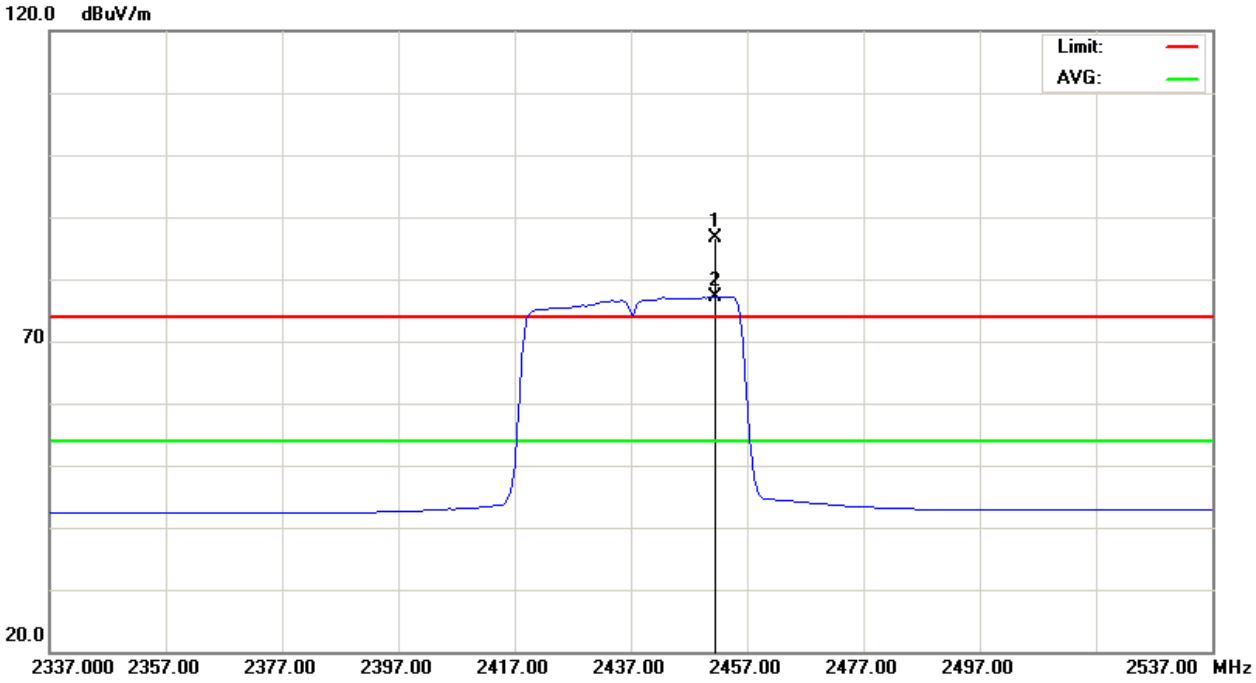
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

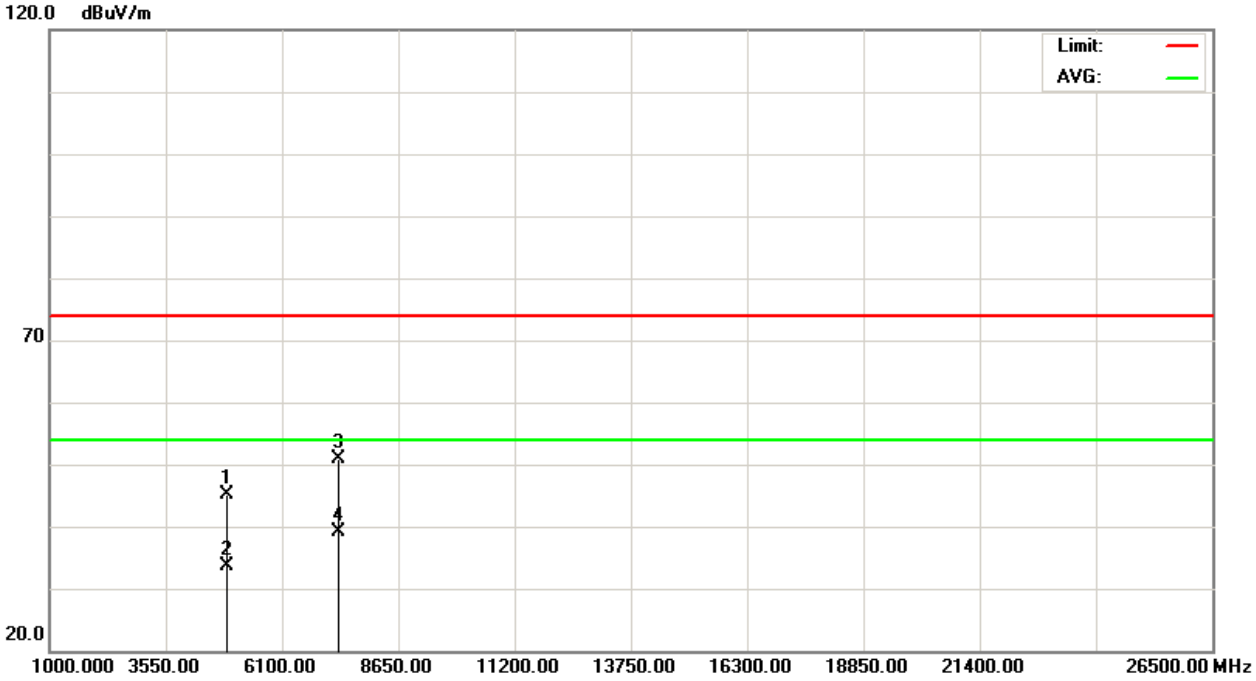
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11n/40M/CH06(Above 1000 MHz, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/40M/CH06		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
F	2421.400	H	56.19	46.96	31.02	87.21	77.98				
H	4873.880	H	42.17	30.79	2.87	45.04	33.66	74.00	54.00	- 20.34	AV
H	7311.240	H	42.25	30.71	8.41	50.66	39.12	74.00	54.00	- 14.88	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

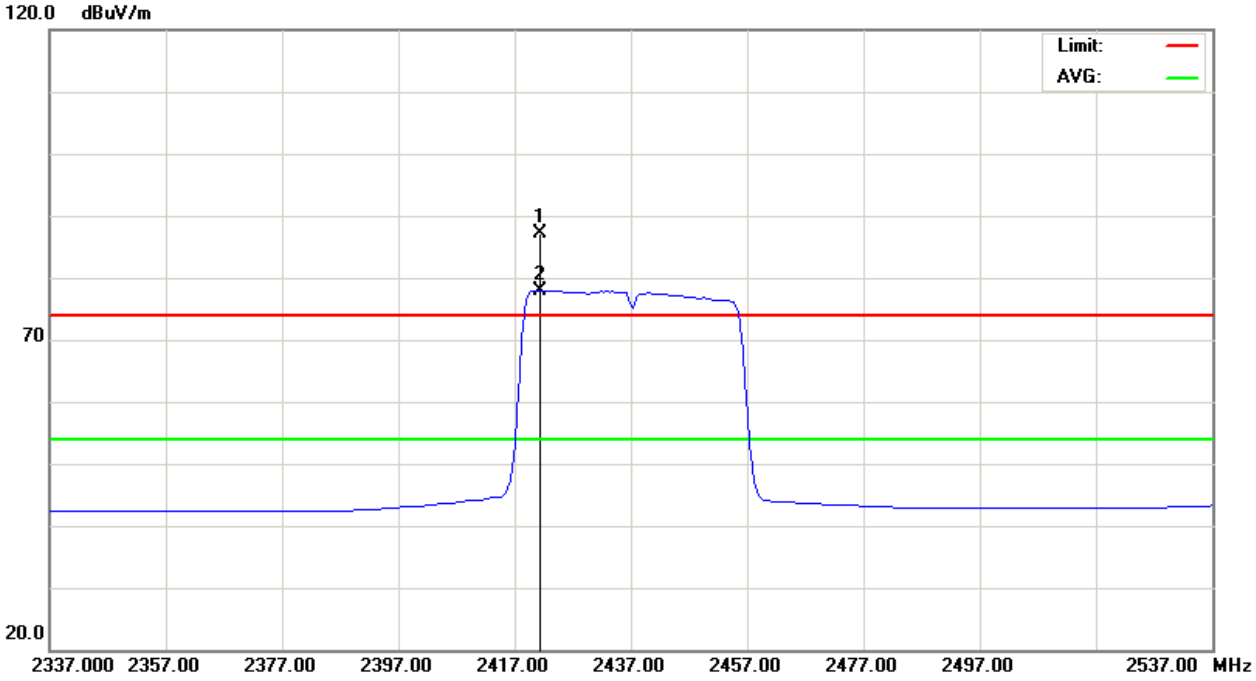
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

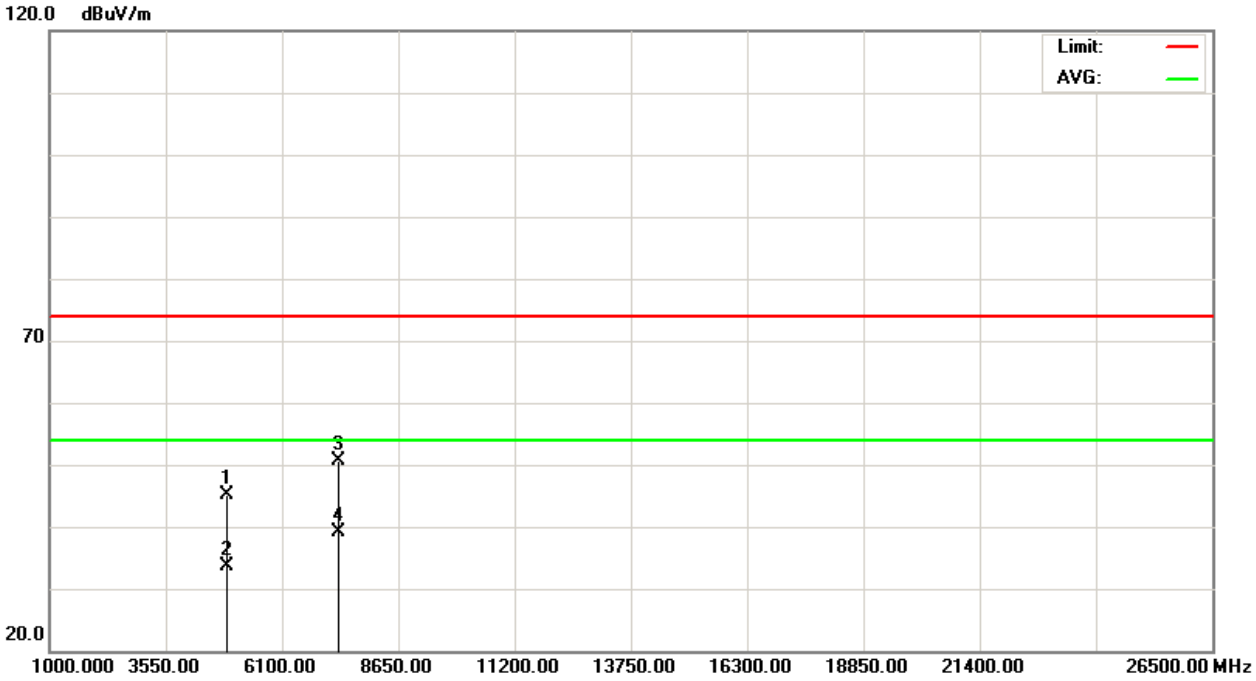
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11n/40M/CH06(Above 1000 MHz, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/40M/CH09		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
F	2462.800	V	57.12	46.79	31.19	88.31	77.98				
E	2483.500	V	25.40	13.01	31.28	56.68	44.29	74.00	54.00	- 9.71	AV
H	4903.840	V	41.75	30.57	2.96	44.71	33.53	74.00	54.00	- 20.47	AV
H	7356.600	V	41.51	30.97	8.47	49.98	39.44	74.00	54.00	- 14.56	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

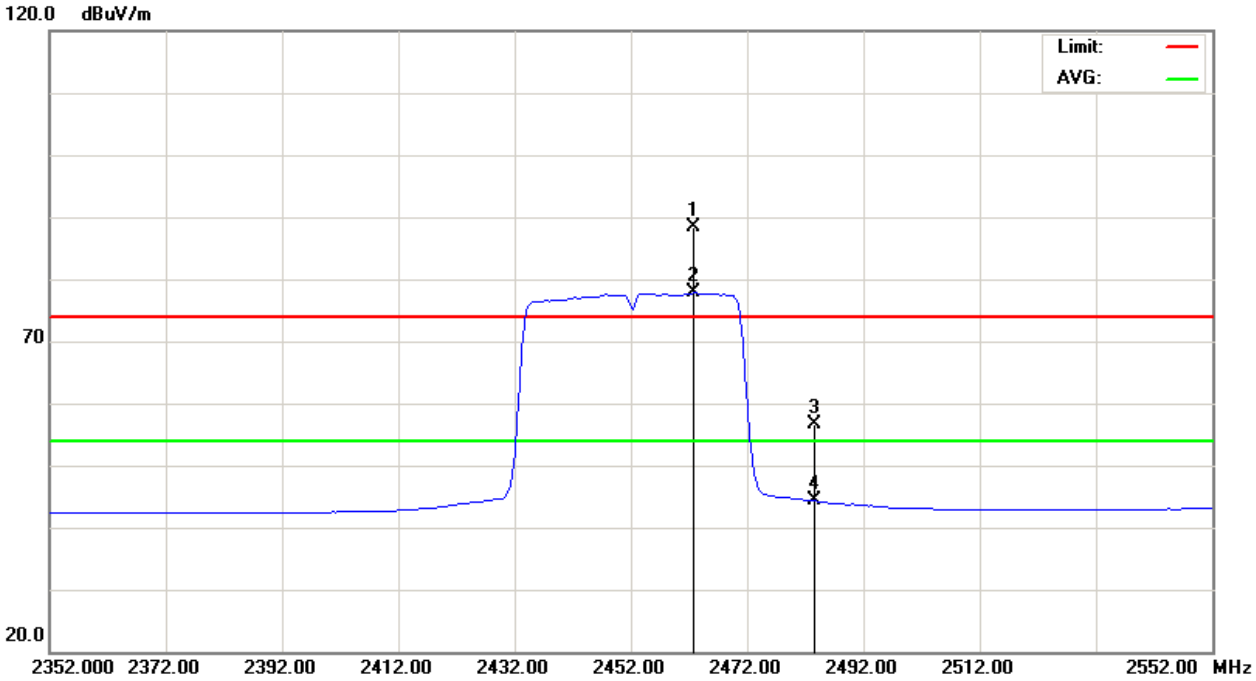
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

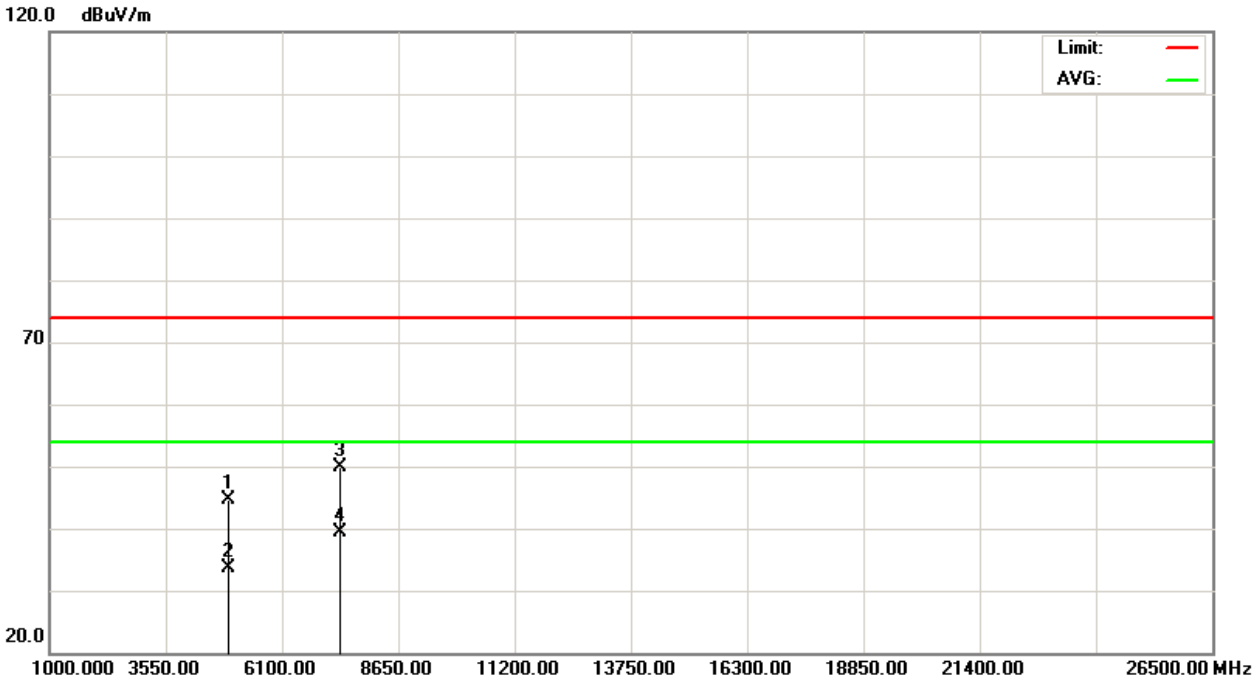
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11n/40M/CH09(Above 1000 MHz, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/40M/CH09		

Type F/H/E	Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
			Peak	AV		Peak	AV	Peak	AV		
F	2435.200	H	54.97	45.97	31.08	86.05	77.05				
E	2483.500	H	21.36	12.30	31.28	52.64	43.58	74.00	54.00	- 10.42	AV
H	4903.720	H	42.75	30.40	2.96	45.71	33.36	74.00	54.00	- 20.64	AV
H	7355.880	H	41.99	30.89	8.47	50.46	39.36	74.00	54.00	- 14.64	AV

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(2) All readings are Peak unless otherwise stated AV in column of『Note』. Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.

(3) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

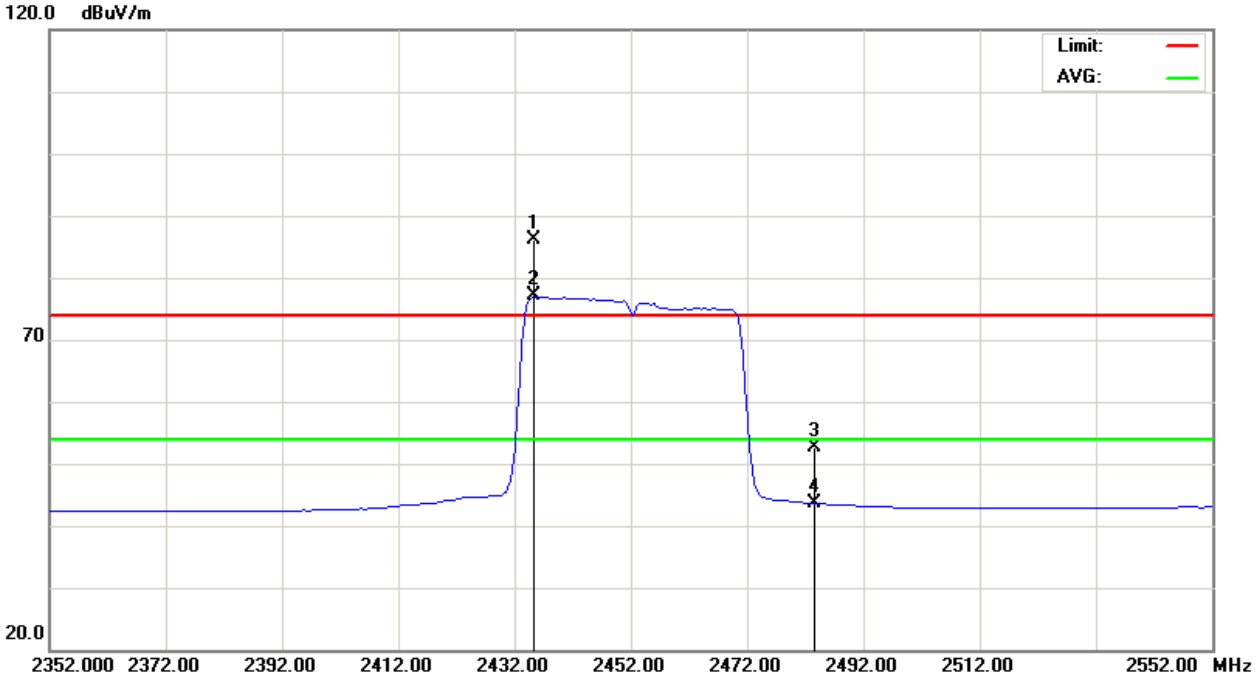
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

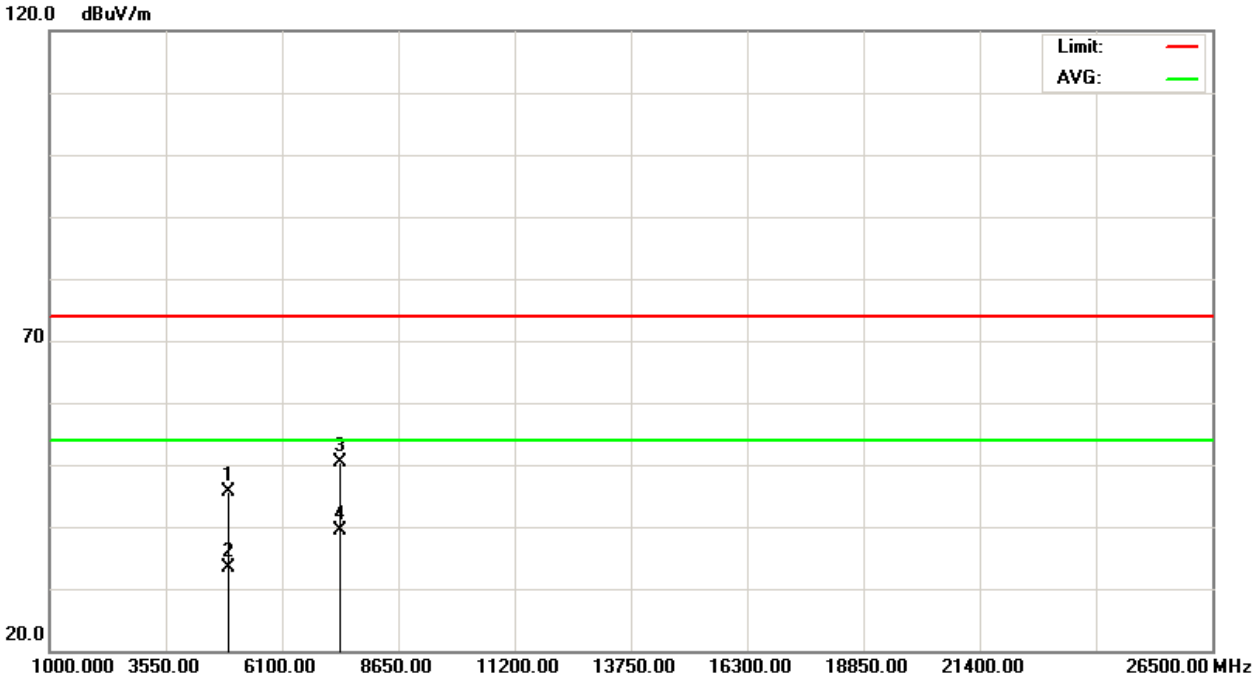
(7) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

Orthogonal Axis：X
802.11n/40M/CH09(Above 1000 MHz, Horizontal)





4.2.9 TEST RESULTS-RESTRICTED BANDS REQUIREMENTS

EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11b(Vertical)		
Note：	The emission of the carrier radiated field strength is measured for CH01/CH11 (Peak and AV) as following: 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz.		

Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
		Peak	AV		Peak	AV	Peak	AV		
2390.000	V	21.94	11.53	30.89	52.83	42.42	74.00	54.00	- 11.58	AV
2483.500	V	21.84	12.00	31.28	53.12	43.28	74.00	54.00	- 10.72	AV

Remark：

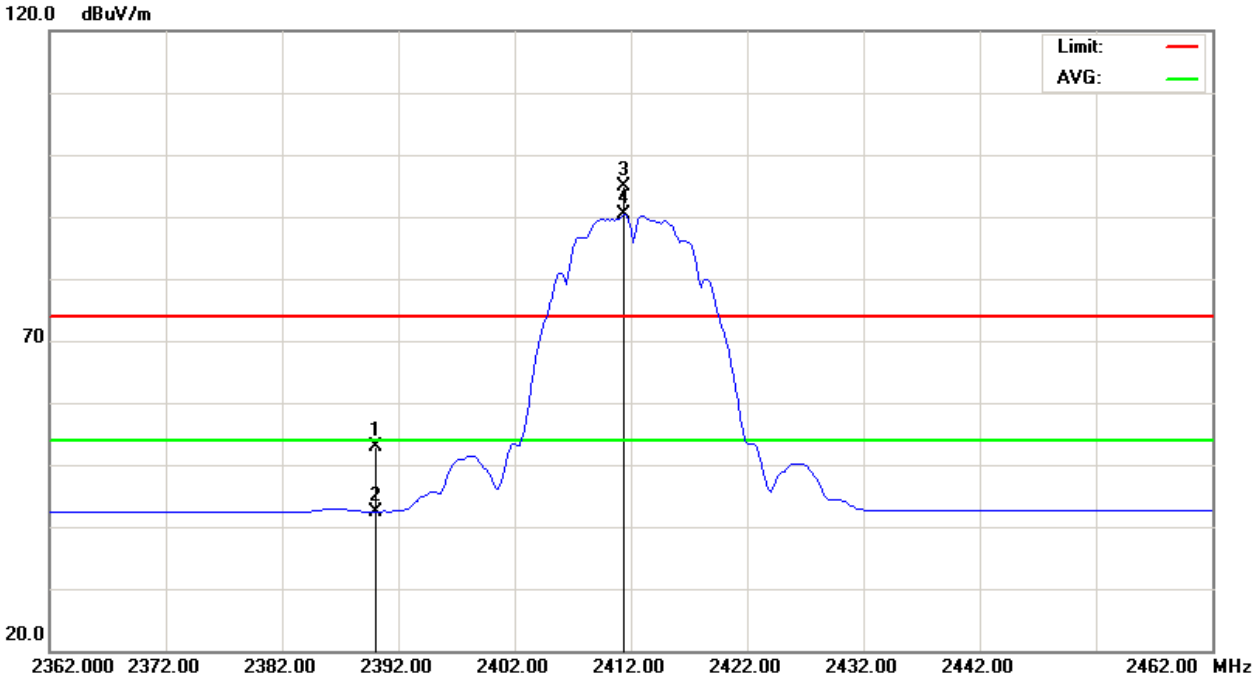
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

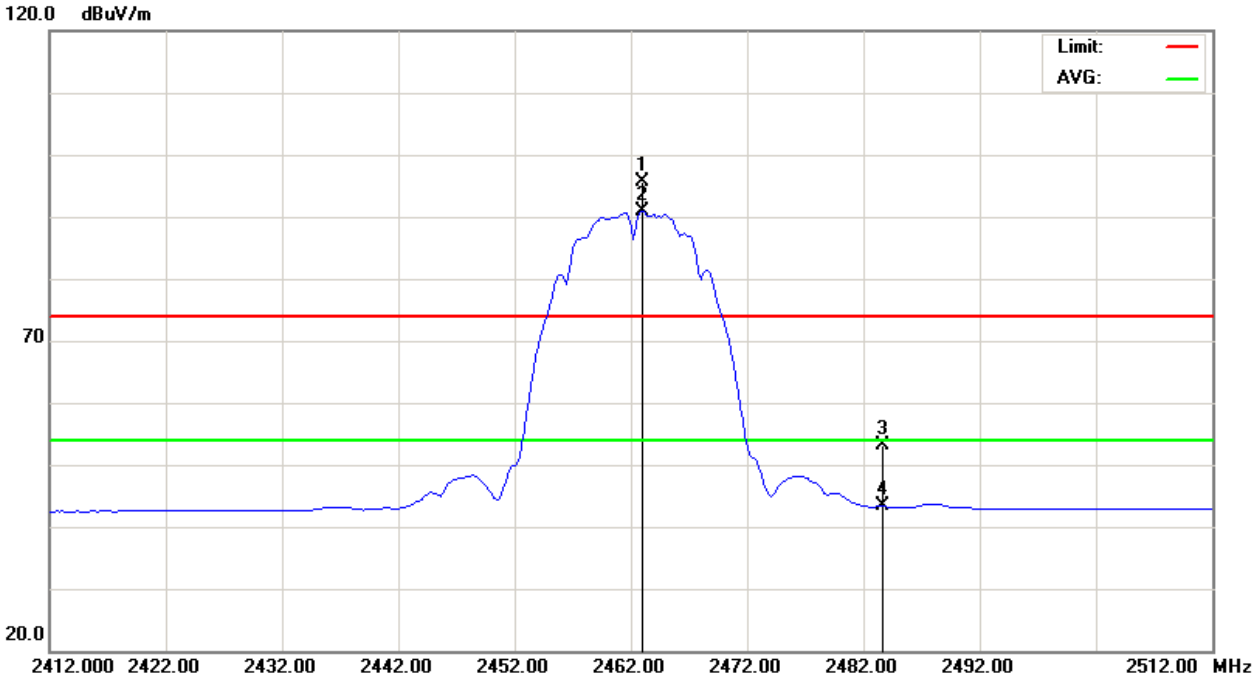
(2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(3) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

802.11b (Restricted Bands Requirements, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity：	31%
Test Voltage：	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11b(Horizontal)		
Note：	The emission of the carrier radiated field strength is measured for CH01/CH11 (Peak and AV) as following: 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz.		

Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
		Peak	AV		Peak	AV	Peak	AV		
2386.800	H	22.74	12.14	30.87	53.61	43.01	74.00	54.00	- 10.99	AV
2483.500	H	20.37	11.75	31.28	51.65	43.03	74.00	54.00	- 10.97	AV

Remark：

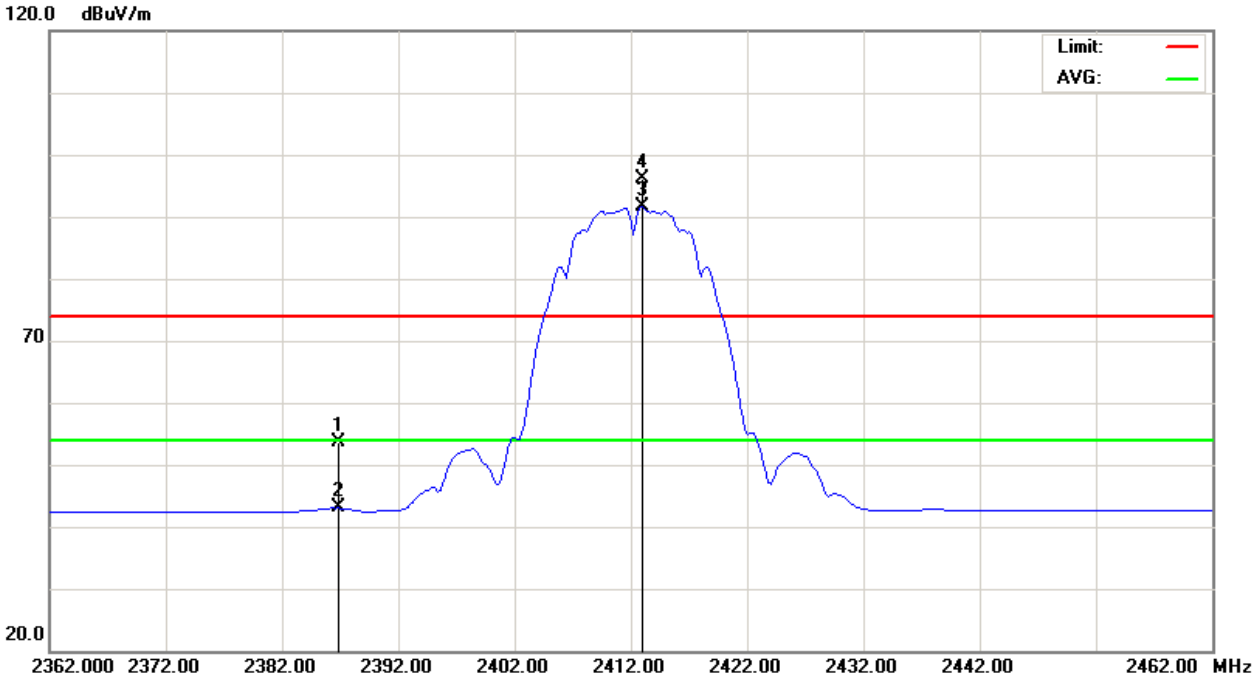
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

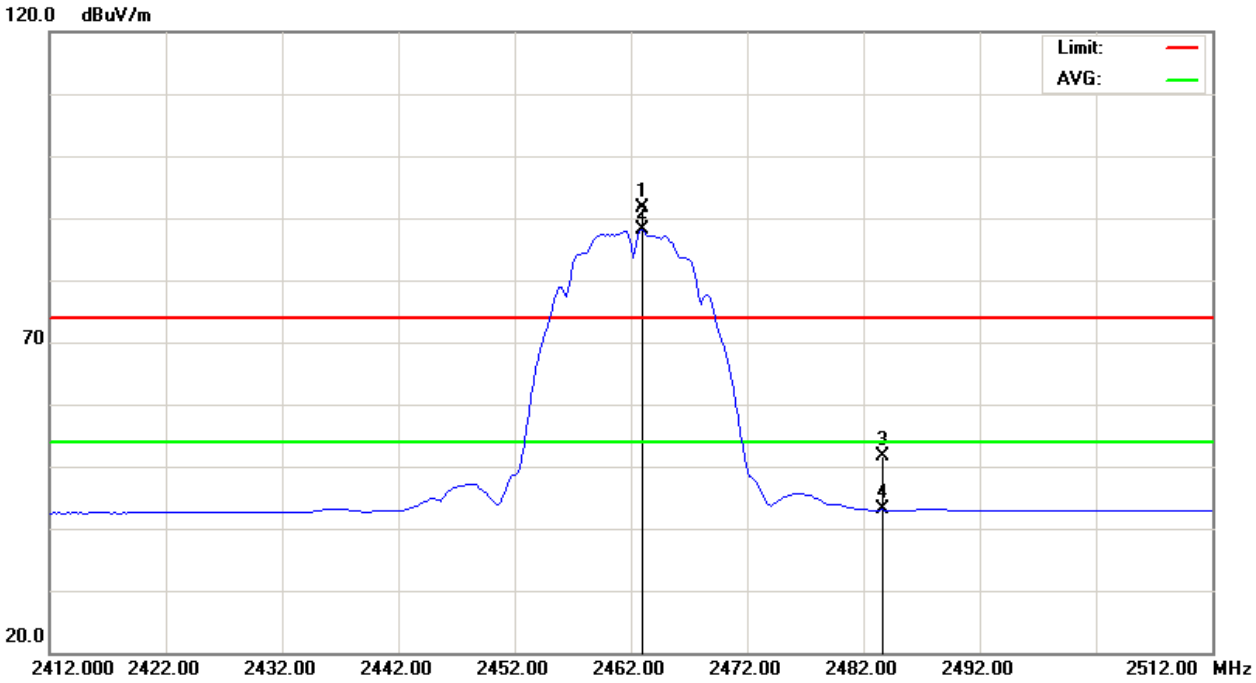
(2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(3) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

802.11b (Restricted Bands Requirements, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11g(Vertical)		
Note：	The emission of the carrier radiated field strength is measured for CH01/CH11 (Peak and AV) as following: 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz.		

Freq.	Polarization	Reading Level(dBuV)		Correct	Measurement(dBuV/m)		Limit(dBuV/m)		Margin	Note
(MHz)	H/V	Peak	AV	Factor(dB)	Peak	AV	Peak	AV	(dB)	
2390.000	V	20.08	11.52	30.89	50.97	42.41	74.00	54.00	- 11.59	AV
2483.500	V	20.38	11.82	31.28	51.66	43.10	74.00	54.00	- 10.90	AV

Remark：

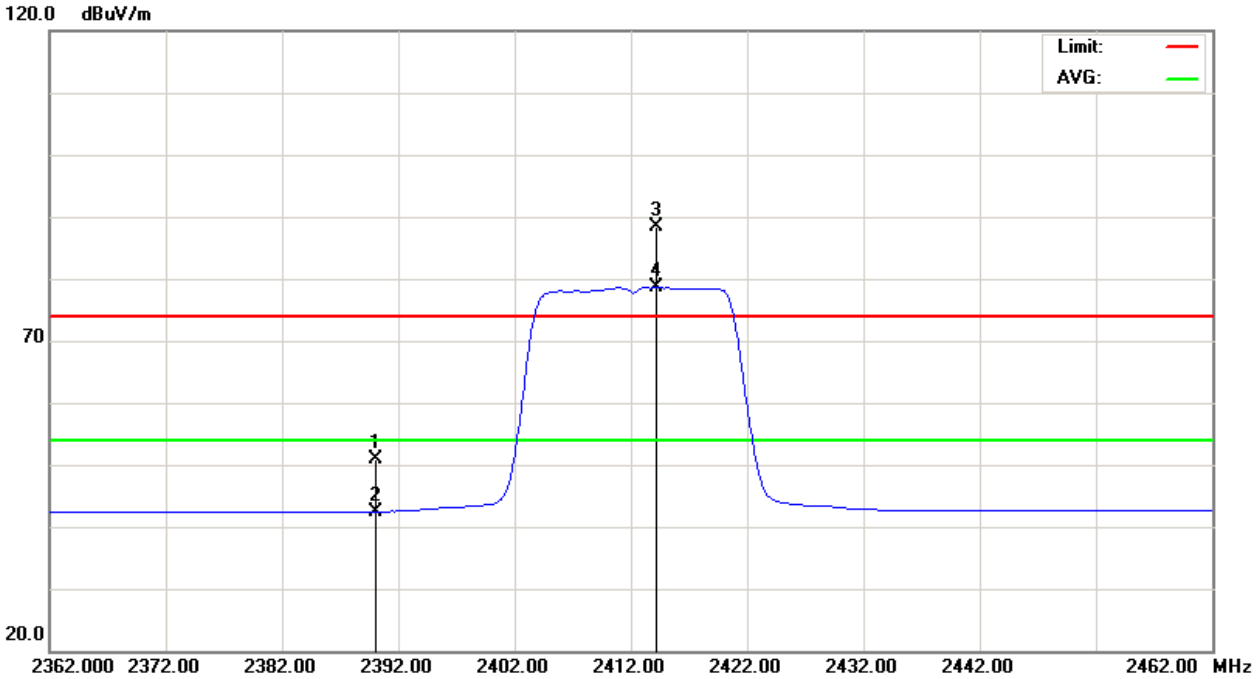
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

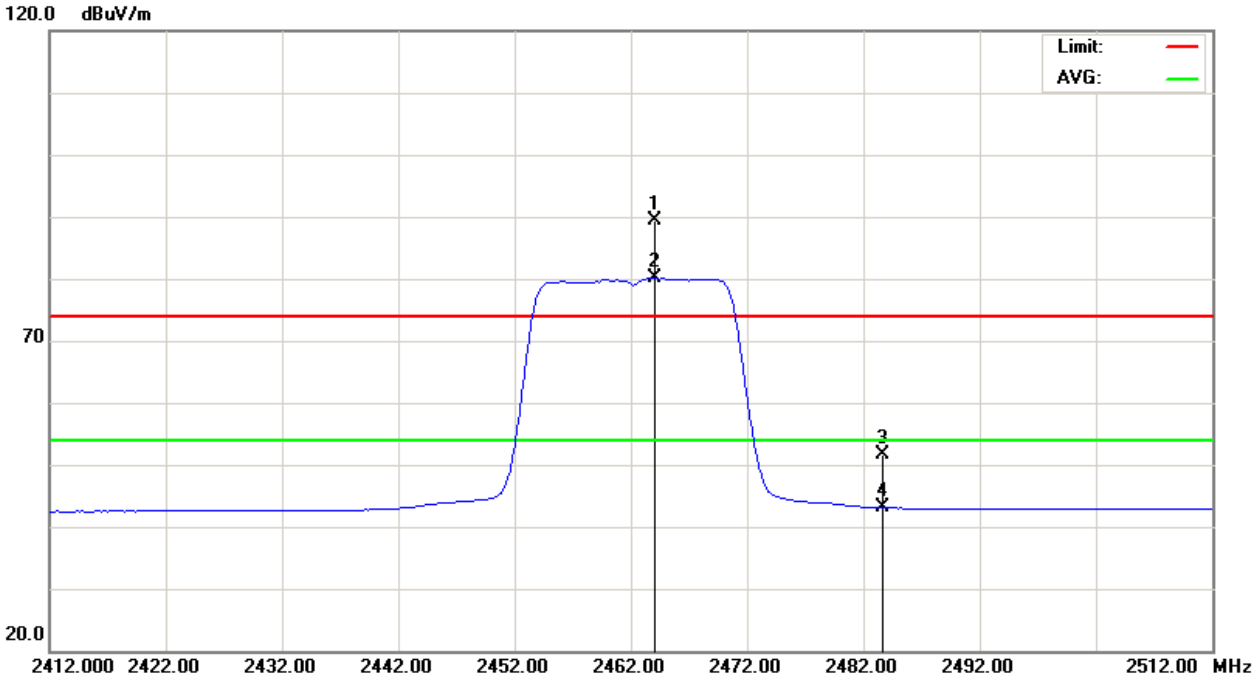
(2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(3) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

802.11g (Restricted Bands Requirements, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity：	31%
Test Voltage：	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11g(Horizontal)		
Note：	The emission of the carrier radiated field strength is measured for CH01/CH11 (Peak and AV) as following: 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz.		

Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
		Peak	AV		Peak	AV	Peak	AV		
2390.000	H	22.03	11.57	30.89	52.92	42.46	74.00	54.00	- 11.54	AV
2483.500	H	22.86	11.66	31.28	54.14	42.94	74.00	54.00	- 11.06	AV

Remark：

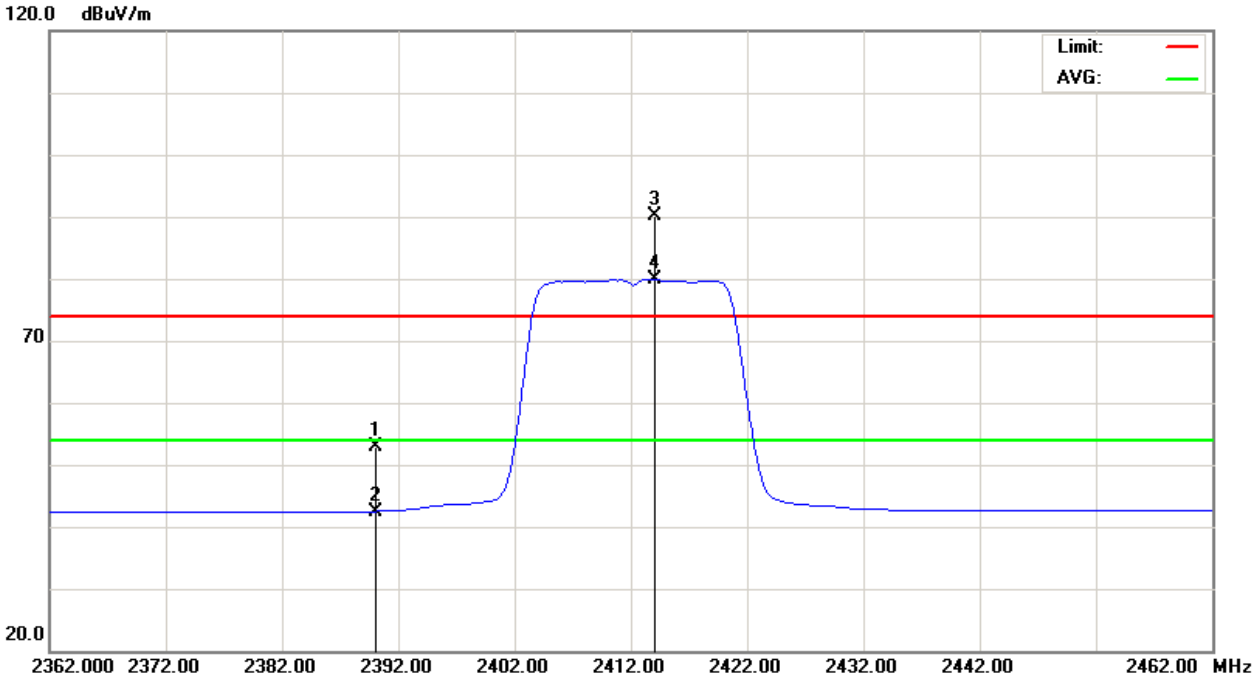
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

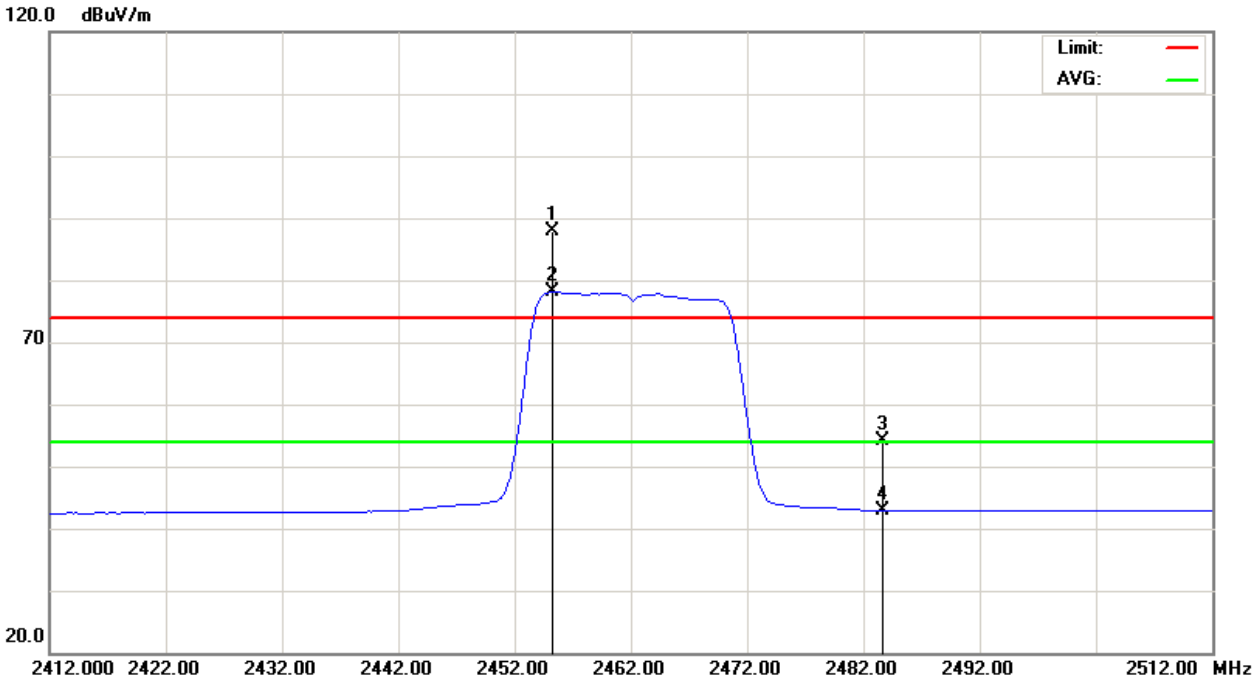
(2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(3) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

802.11g (Restricted Bands Requirements, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/20M(Vertical)		
Note：	The emission of the carrier radiated field strength is measured for CH01/CH11 (Peak and AV) as following: 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz.		

Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
		Peak	AV		Peak	AV	Peak	AV		
2390.000	V	21.68	11.89	30.89	52.57	42.78	74.00	54.00	- 11.22	AV
2483.500	V	21.24	12.17	31.28	52.52	43.45	74.00	54.00	- 10.55	AV

Remark：

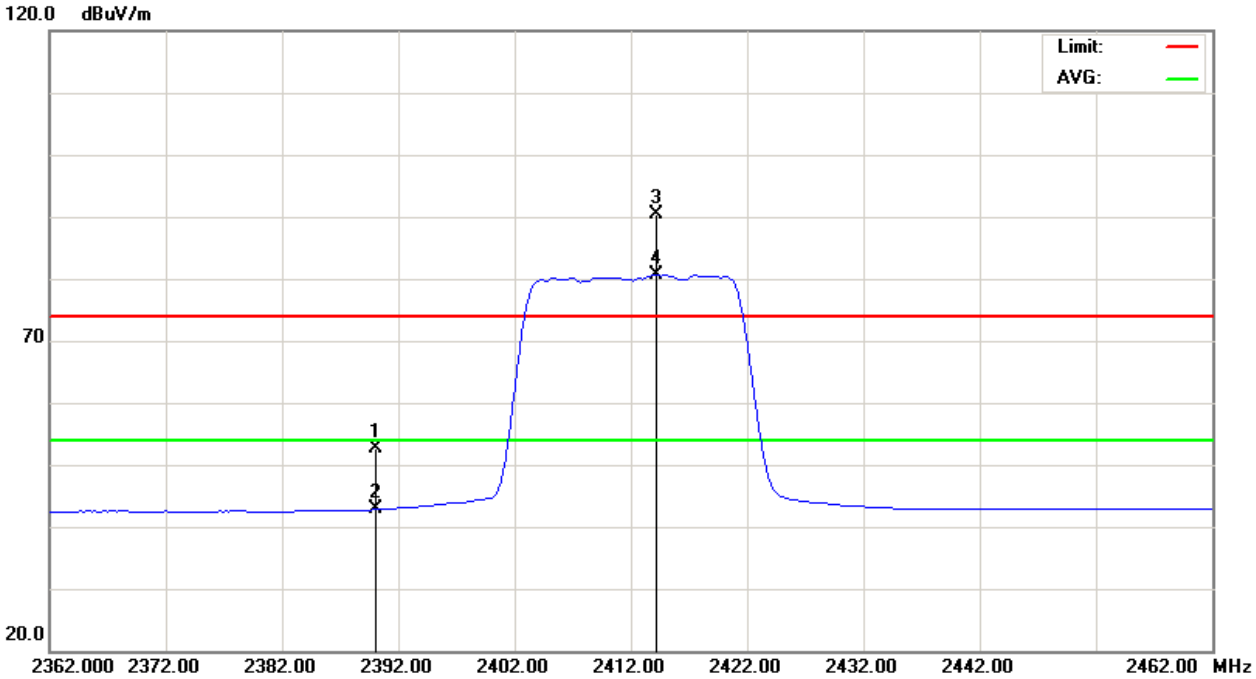
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

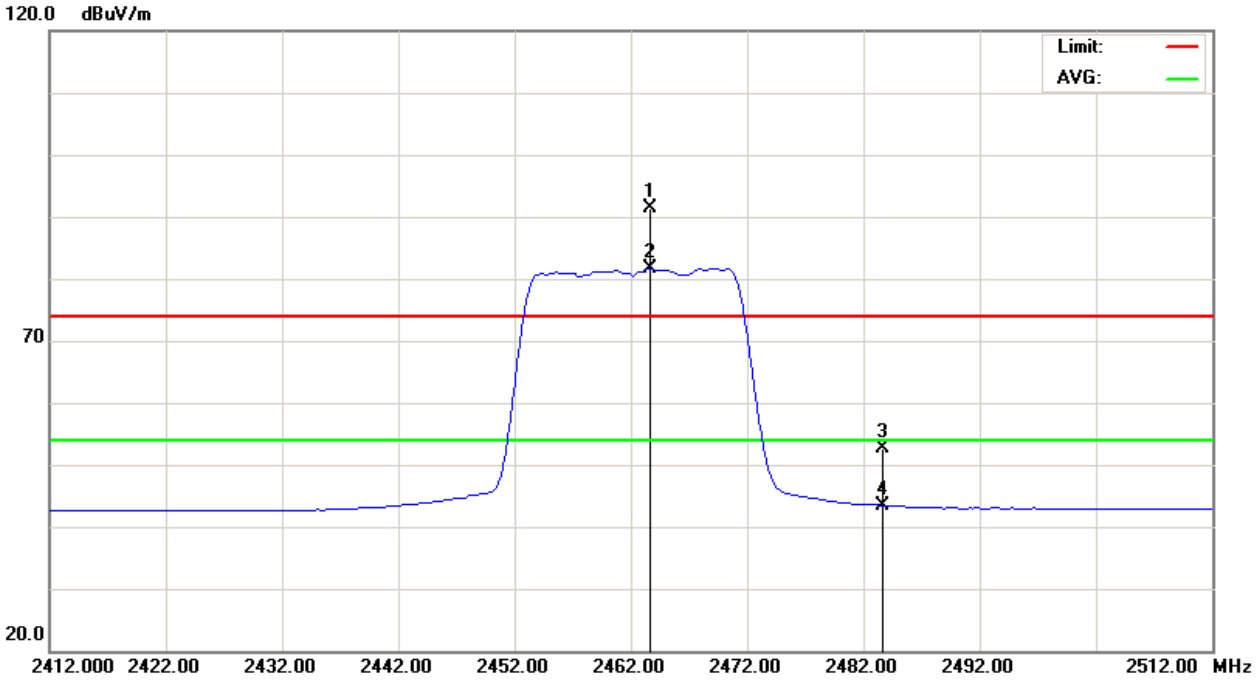
(2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(3) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

802.11n/20M (Restricted Bands Requirements, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity：	31%
Test Voltage：	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/20M(Horizontal)		
Note：	The emission of the carrier radiated field strength is measured for CH01/CH11 (Peak and AV) as following: 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz.		

Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
		Peak	AV		Peak	AV	Peak	AV		
2390.000	H	21.10	12.07	30.89	51.99	42.96	74.00	54.00	- 11.04	AV
2483.500	H	21.14	11.83	31.28	52.42	43.11	74.00	54.00	- 10.89	AV

Remark：

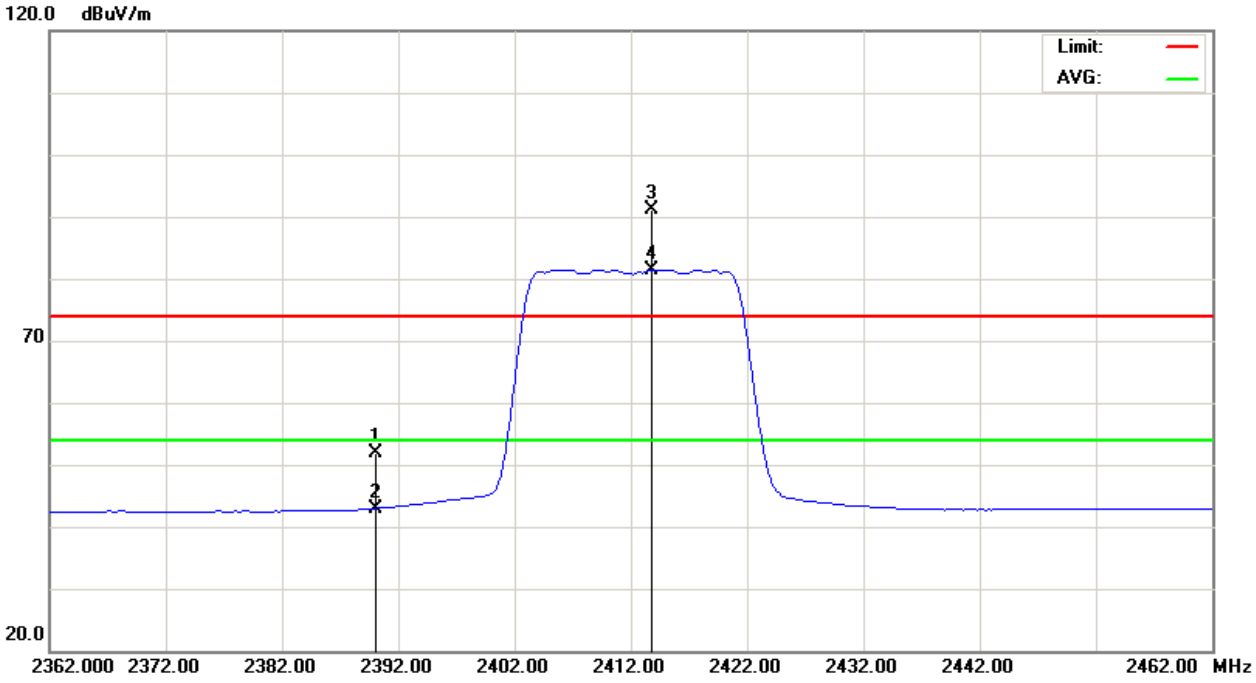
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

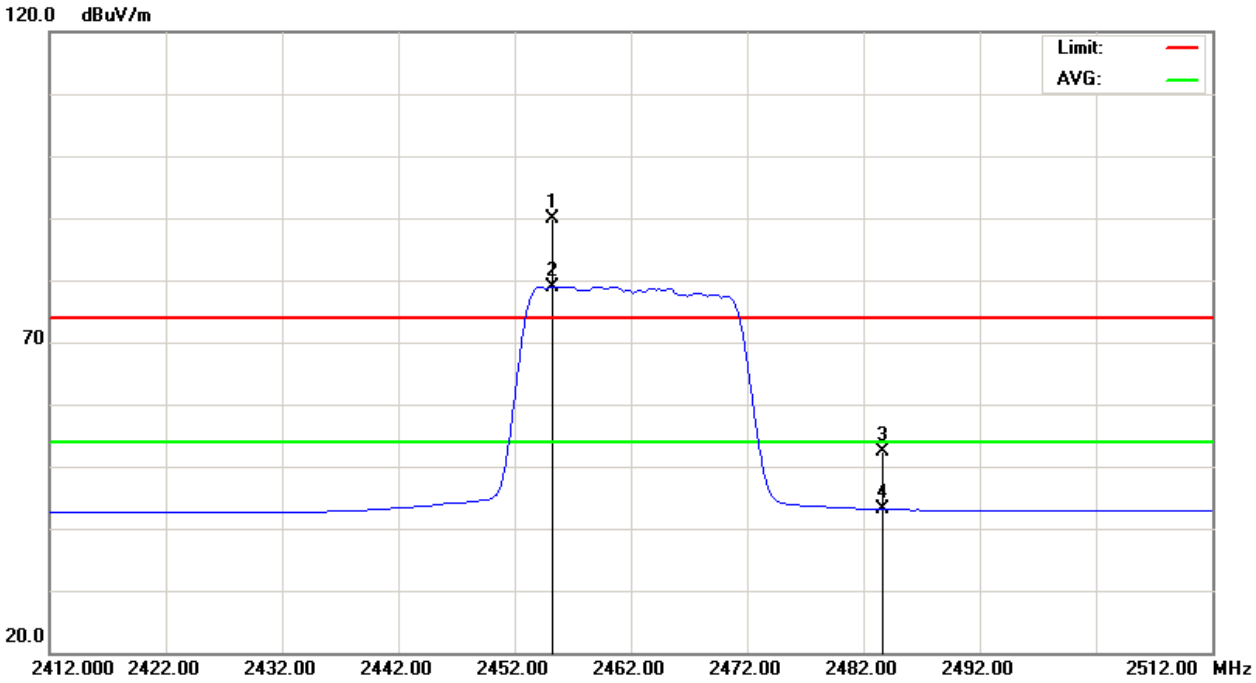
(2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(3) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

802.11n/20M (Restricted Bands Requirements, Horizontal)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity :	31%
Test Voltage :	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/40M(Vertical)		
Note：	The emission of the carrier radiated field strength is measured for CH03/CH09 (Peak and AV) as following: 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH03). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH09). Then the field strength was measured at 2483.5-2500 MHz.		

Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
		Peak	AV		Peak	AV	Peak	AV		
2390.000	V	22.75	12.61	30.89	53.64	43.50	74.00	54.00	- 10.50	AV
2483.500	V	25.40	13.01	31.28	56.68	44.29	74.00	54.00	- 9.71	AV

Remark：

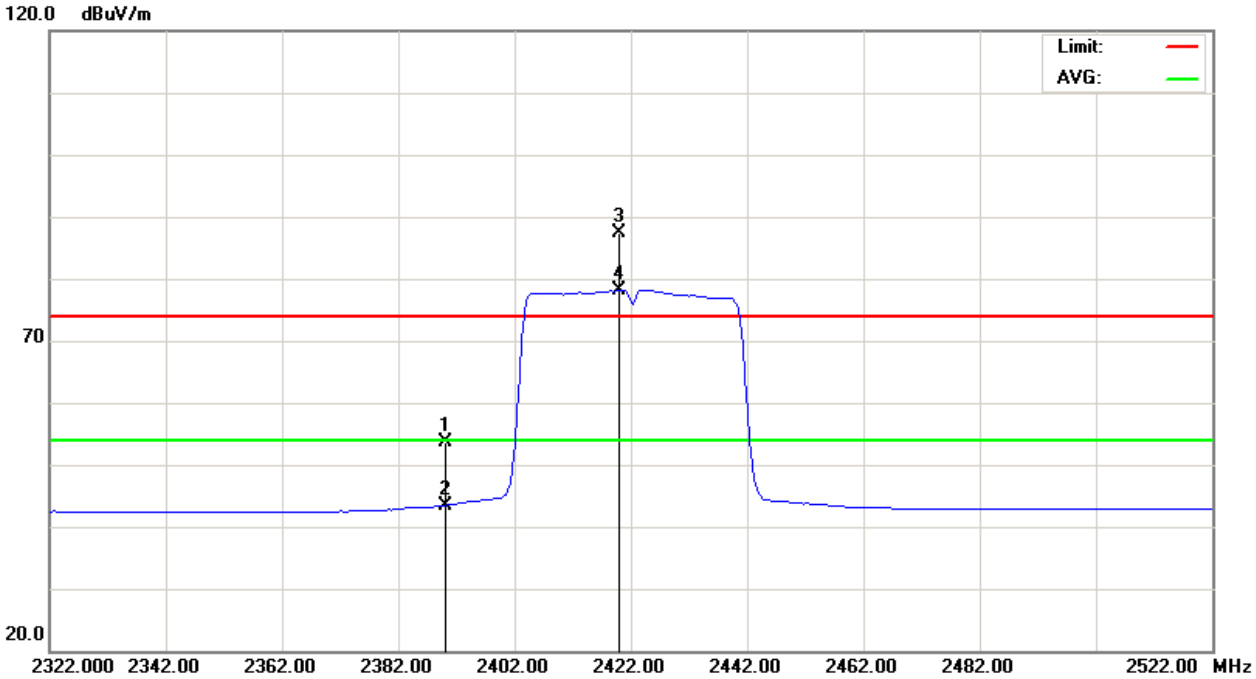
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

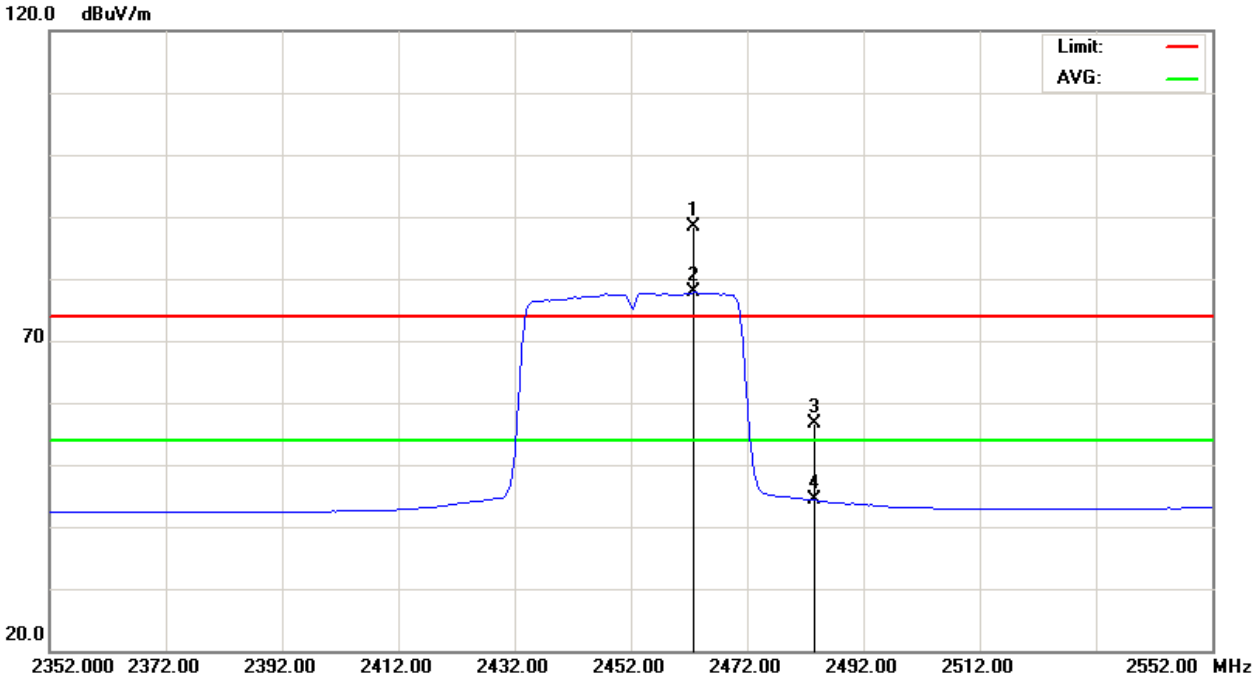
(2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(3) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

802.11n/40M (Restricted Bands Requirements, Vertical)





EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	25°C	Relative Humidity：	31%
Test Voltage：	AC 120V/60Hz (System)	Orthogonal Axes:	X
Test Mode ：	802.11n/40M(Horizontal)		
Note：	The emission of the carrier radiated field strength is measured for CH03/CH09 (Peak and AV) as following: 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH03). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH09). Then the field strength was measured at 2483.5-2500 MHz.		

Freq. (MHz)	Polarization H/V	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV/m)		Limit(dBuV/m)		Margin (dB)	Note
		Peak	AV		Peak	AV	Peak	AV		
2390.000	H	22.25	12.55	30.89	53.14	43.44	74.00	54.00	- 10.56	AV
2483.500	H	21.36	12.30	31.28	52.64	43.58	74.00	54.00	- 10.42	AV

Remark：

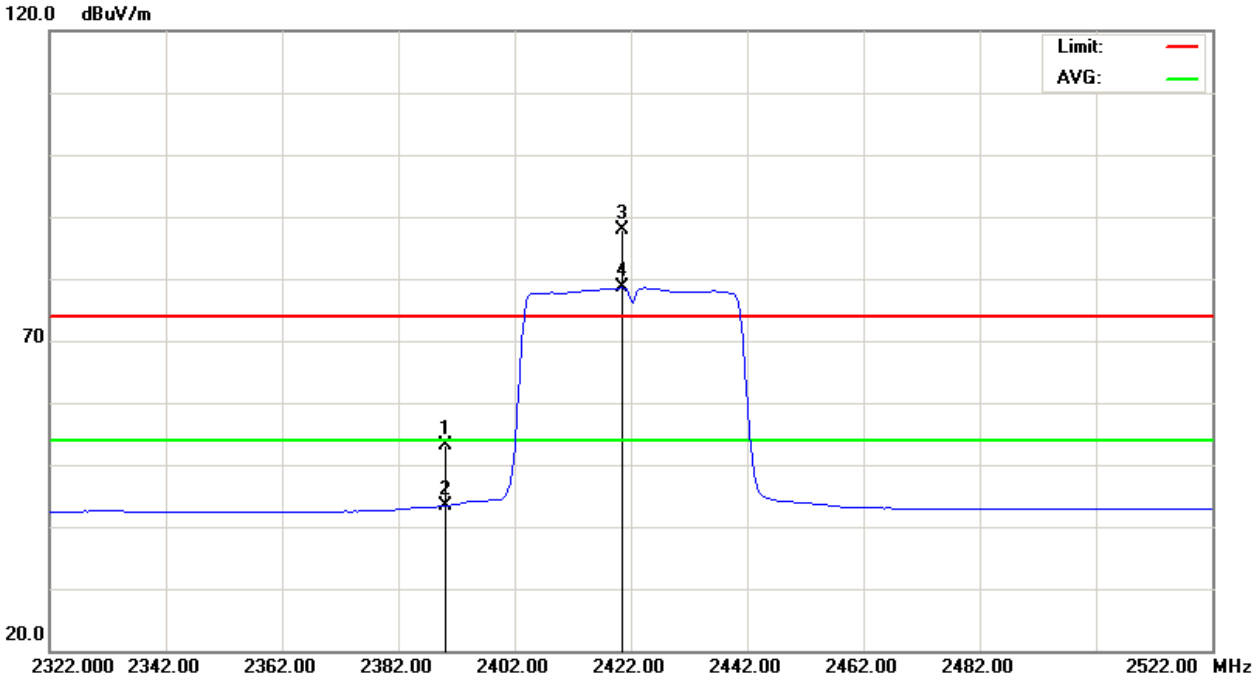
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

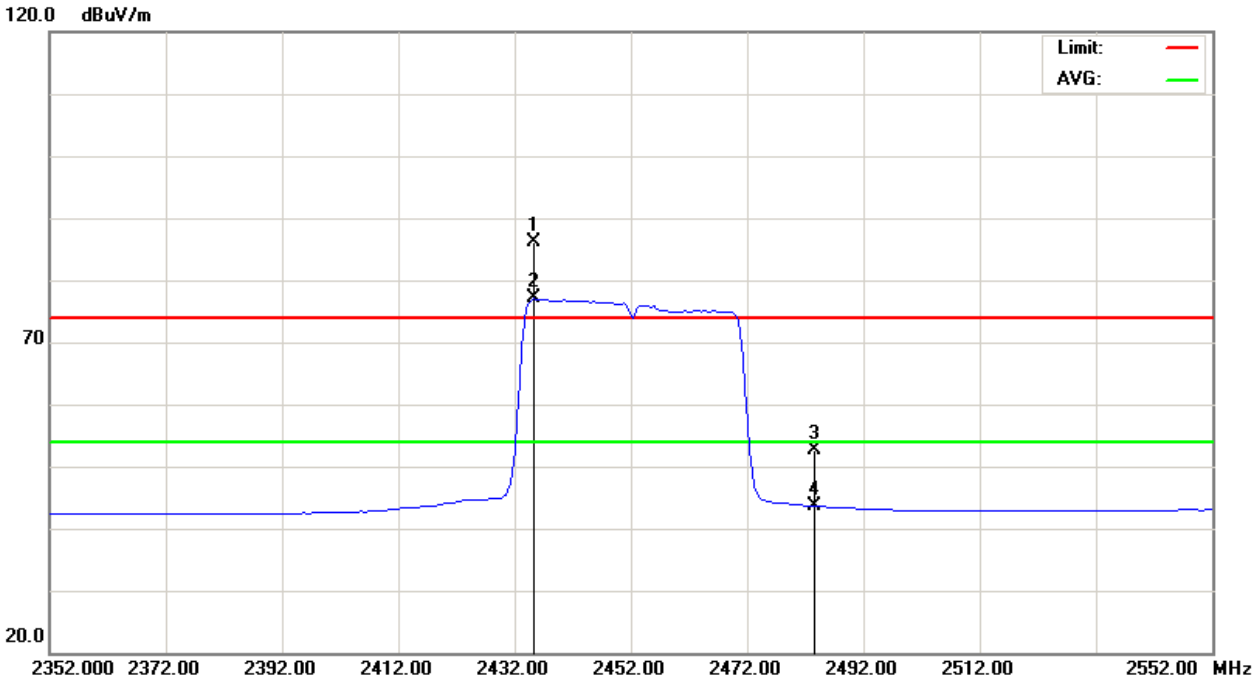
(2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(3) EUT Orthogonal Axes：

"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

802.11n/40M (Restricted Bands Requirements, Horizontal)





5. BANDWITH TEST

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart C			
Test Item	Limit	Frequency Range (MHz)	Result
Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	PASS

5.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Aug. 31, 2011

Remark: ” N/A” denotes No Model Name , Serial No. or No Calibration specified.

5.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 100KHz, VBW=100KHz, Sweep time = Auto.

5.1.3 DEVIATION FROM STANDARD

No deviation.

5.1.4 TEST SETUP

5.1.5 EUT OPERATION CONDITIONS

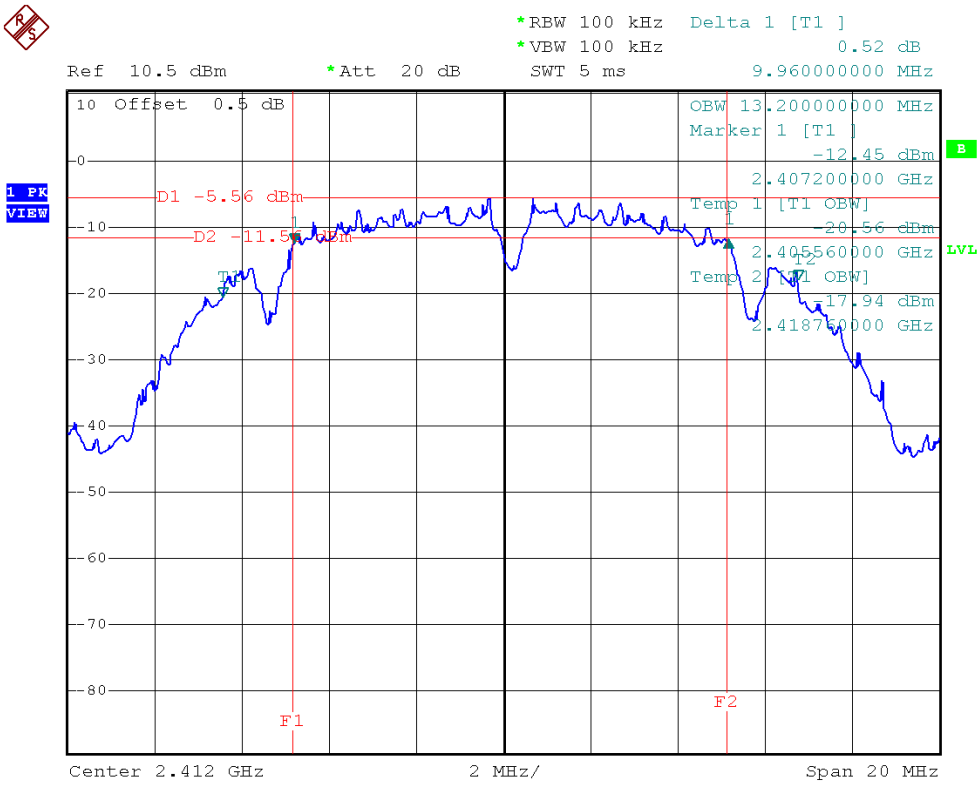
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.6 TEST RESULTS

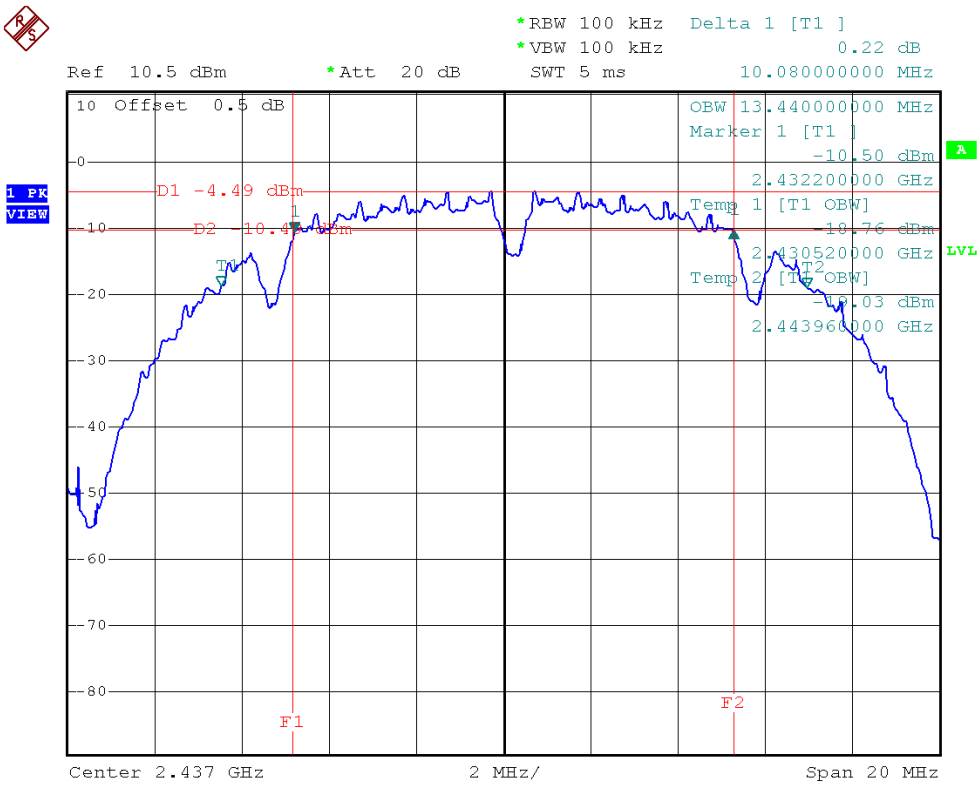
EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11b/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH01	2412	9.96	>=500KHz
CH06	2437	10.08	>=500KHz
CH11	2462	10.04	>=500KHz

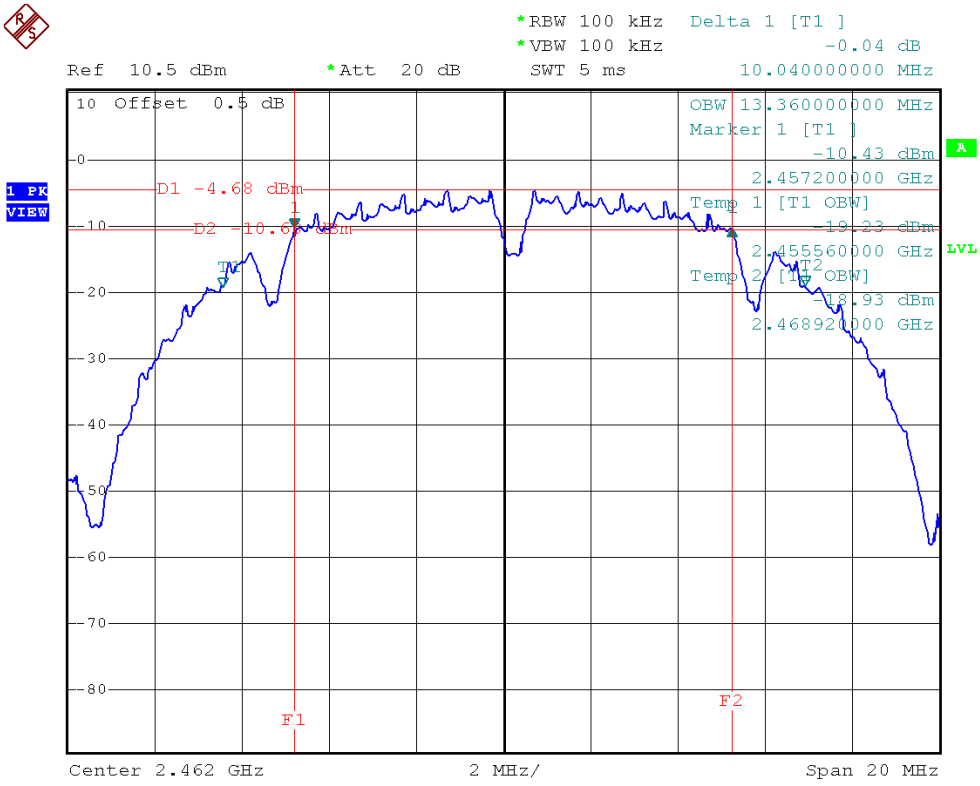
CH01



CH06


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 5 ms
Delta 1 [T1]
0.22 dB
10.080000000 MHz
10 Offset 0.5 dB
OBW 13.440000000 MHz
Marker 1 [T1]
-10.50 dBm
2.432200000 GHz
D1 -4.49 dBm
Temp 1 [T1 OBW]
-10.76 dBm
2.430520000 GHz
Temp 2 [T2 OBW]
-10.03 dBm
2.443960000 GHz
1 PK VIEW
A
LVL
F1
F2
Center 2.437 GHz
2 MHz/
Span 20 MHz

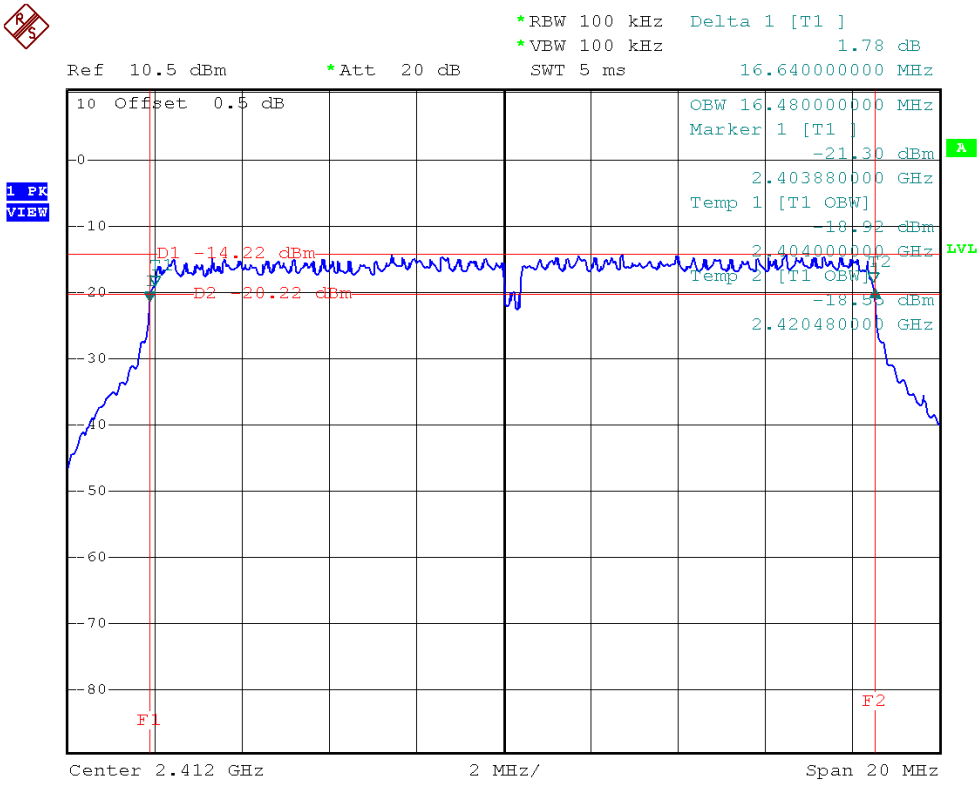
CH11


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 5 ms
Delta 1 [T1]
-0.04 dB
10.040000000 MHz
10 Offset 0.5 dB
OBW 13.360000000 MHz
Marker 1 [T1]
-10.43 dBm
2.457200000 GHz
D1 -4.68 dBm
Temp 1 [T1 OBW]
-19.23 dBm
2.455560000 GHz
Temp 2 [T2 OBW]
-18.93 dBm
2.468920000 GHz
1 PK VIEW
A
LVL
F1
F2
Center 2.462 GHz
2 MHz/
Span 20 MHz

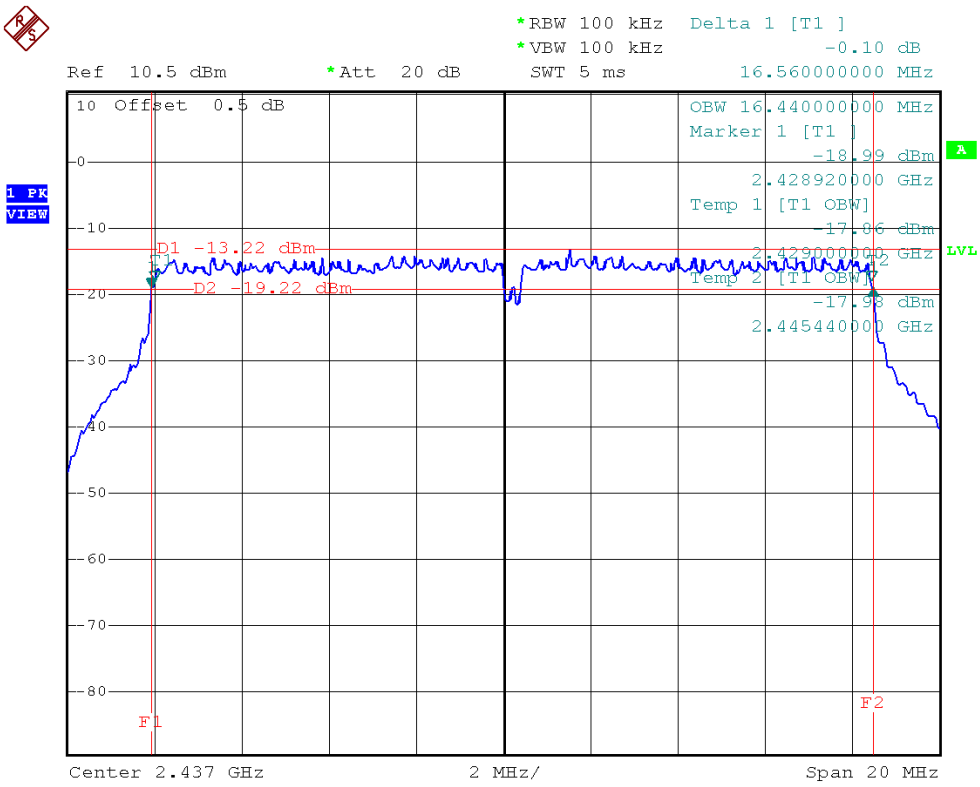
EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11g/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH01	2412	16.64	>=500KHz
CH06	2437	16.56	>=500KHz
CH11	2462	16.60	>=500KHz

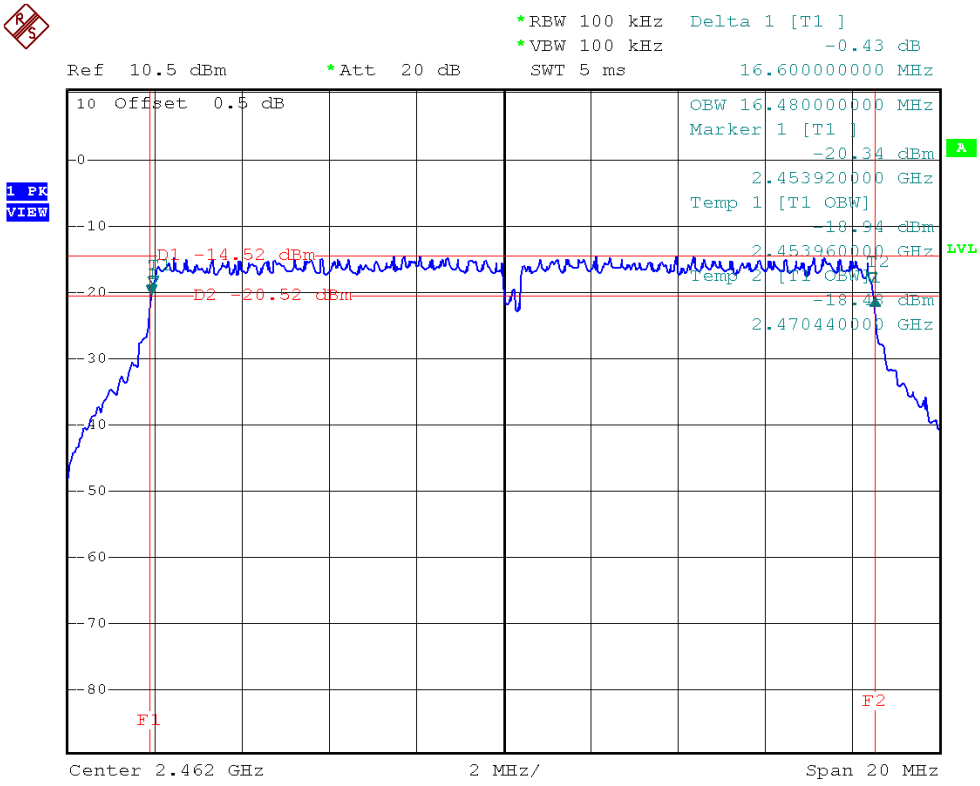
CH01



CH06


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 5 ms
Delta 1 [T1]
-0.10 dB
16.560000000 MHz
10 Offset 0.5 dB
OBW 16.440000000 MHz
Marker 1 [T1]
-18.99 dBm
2.428920000 GHz
Temp 1 [T1 OBW]
-17.06 dBm
2.429000000 GHz
Temp 2 [T1 OBW]
-17.93 dBm
2.445440000 GHz
D1 -13.22 dBm
D2 -19.22 dBm
1 PK
VIEW
A
LVL
F1
F2
Center 2.437 GHz
2 MHz/
Span 20 MHz

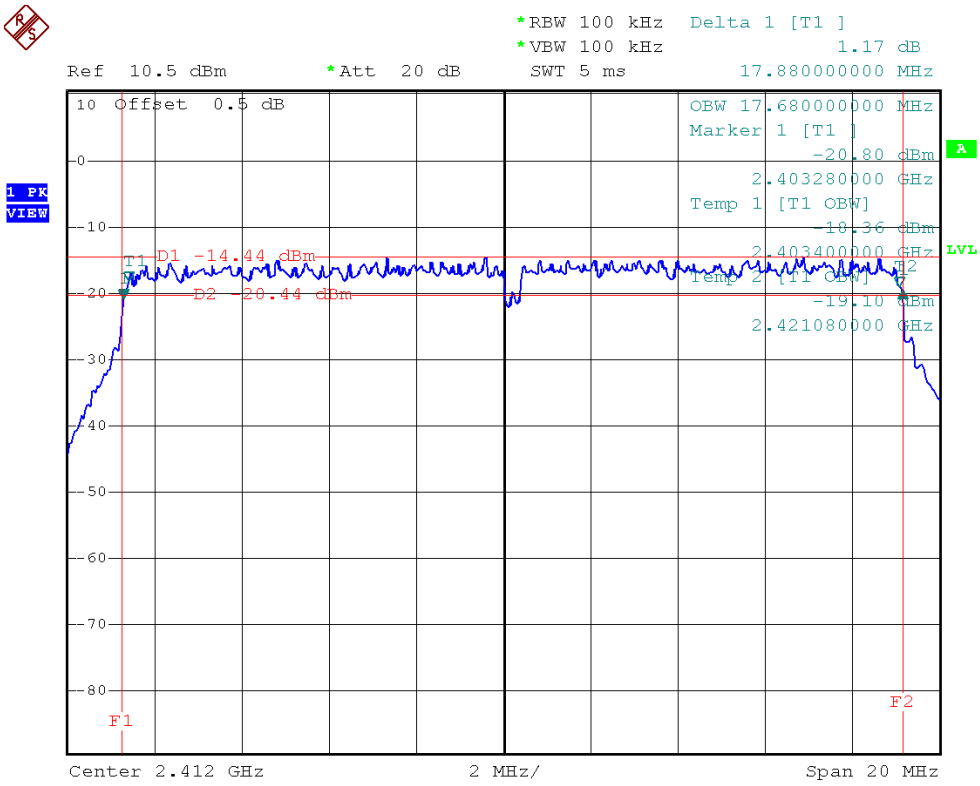
CH11


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 5 ms
Delta 1 [T1]
-0.43 dB
16.600000000 MHz
10 Offset 0.5 dB
OBW 16.480000000 MHz
Marker 1 [T1]
-20.34 dBm
2.453920000 GHz
Temp 1 [T1 OBW]
-18.94 dBm
2.453960000 GHz
Temp 2 [T1 OBW]
-18.46 dBm
2.470440000 GHz
D1 -14.52 dBm
D2 -20.52 dBm
1 PK
VIEW
A
LVL
F1
F2
Center 2.462 GHz
2 MHz/
Span 20 MHz

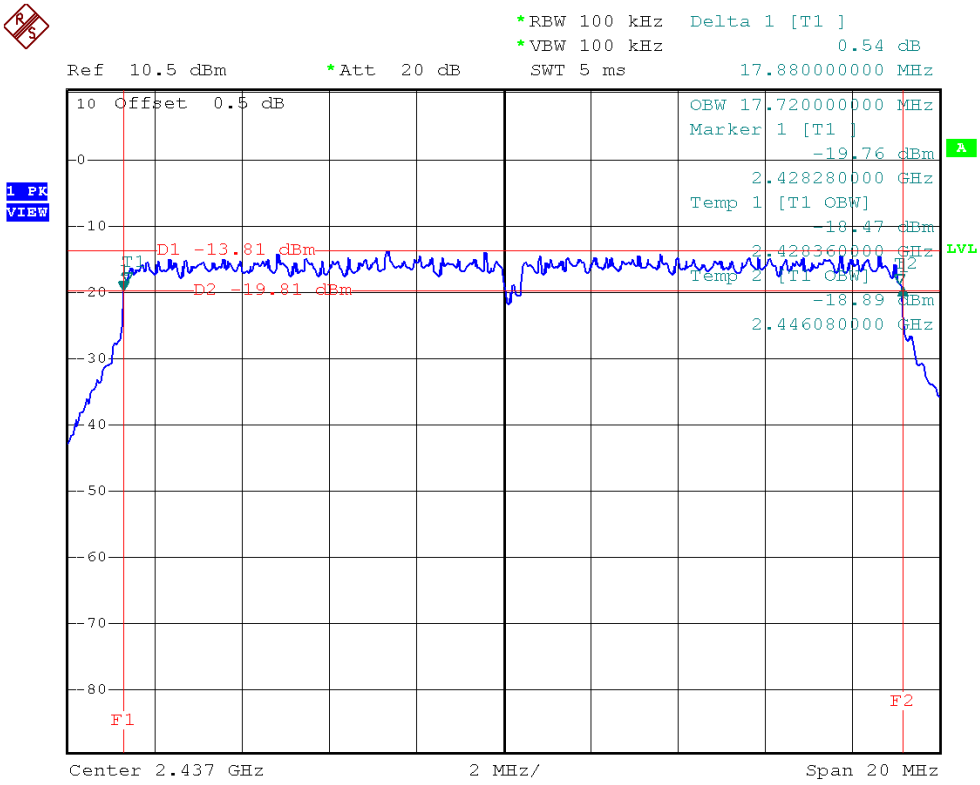
EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11n/20M/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH01	2412	17.88	>=500KHz
CH06	2437	17.88	>=500KHz
CH11	2462	17.80	>=500KHz

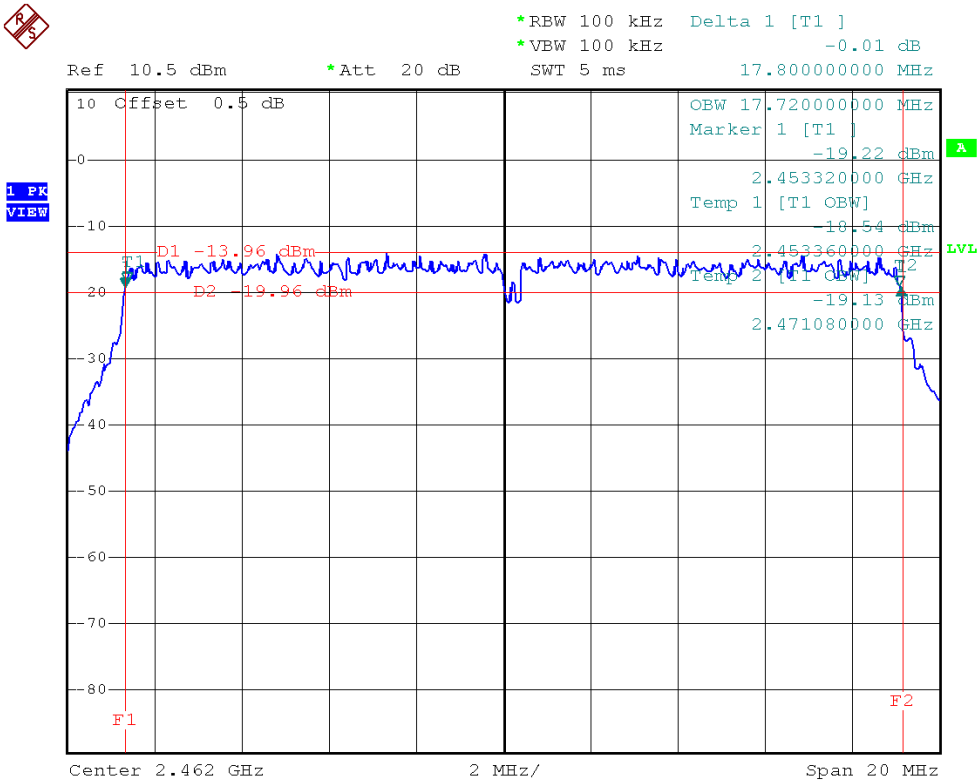
CH01



CH06


*RBW 100 kHz
*VBW 100 kHz
Delta 1 [T1]
0.54 dB
Ref 10.5 dBm
*Att 20 dB
SWT 5 ms
17.880000000 MHz
10 Offset 0.5 dB
OBW 17.720000000 MHz
Marker 1 [T1]
-19.76 dBm
2.428280000 GHz
Temp 1 [T1 OBW]
-18.47 dBm
2.428360000 GHz
Temp 2 [T1 OBW]
-18.89 dBm
2.446080000 GHz
D1 -13.81 dBm
D2 -19.81 dBm
1 PK
VIEW
A
LVL
F1
F2
Center 2.437 GHz
2 MHz/
Span 20 MHz

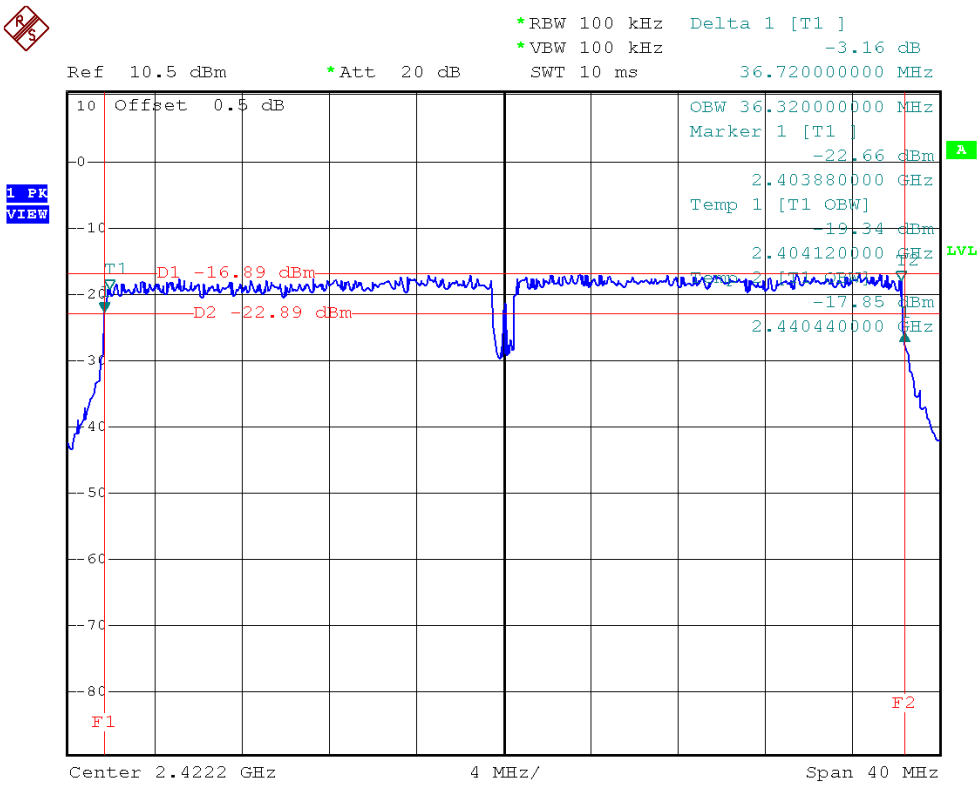
CH11


*RBW 100 kHz
*VBW 100 kHz
Delta 1 [T1]
-0.01 dB
Ref 10.5 dBm
*Att 20 dB
SWT 5 ms
17.800000000 MHz
10 Offset 0.5 dB
OBW 17.720000000 MHz
Marker 1 [T1]
-19.22 dBm
2.453320000 GHz
Temp 1 [T1 OBW]
-18.54 dBm
2.453360000 GHz
Temp 2 [T1 OBW]
-19.13 dBm
2.471080000 GHz
D1 -13.96 dBm
D2 -19.96 dBm
1 PK
VIEW
A
LVL
F1
F2
Center 2.462 GHz
2 MHz/
Span 20 MHz

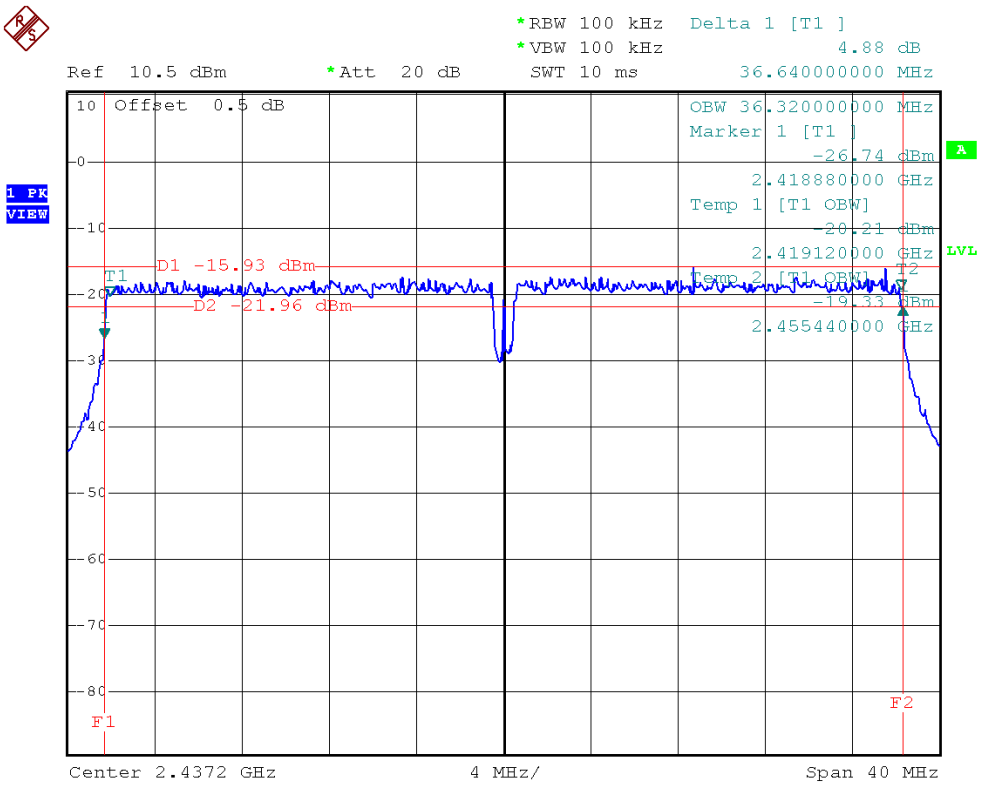
EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11n/40M/CH03, CH06, CH09		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH03	2422	36.72	>=500KHz
CH06	2437	36.64	>=500KHz
CH09	2452	36.64	>=500KHz

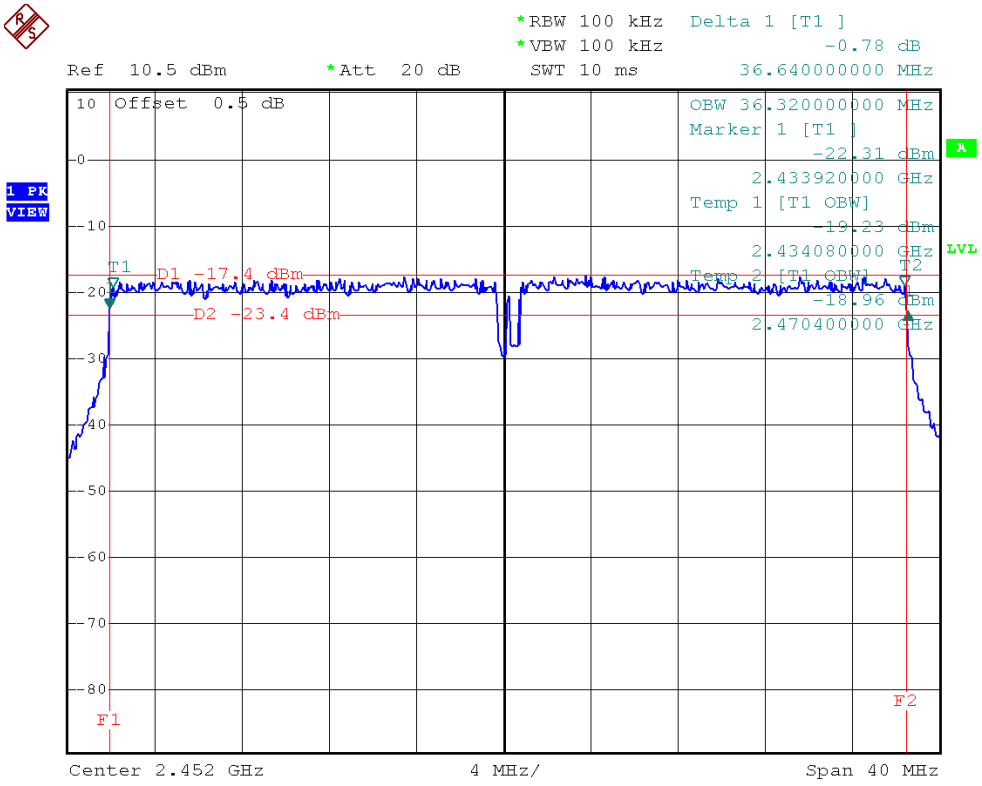
CH03



CH06


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 10 ms
Delta 1 [T1]
4.88 dB
36.640000000 MHz
10 Offset 0.5 dB
OBW 36.320000000 MHz
Marker 1 [T1]
-26.74 dBm
2.418880000 GHz
Temp 1 [T1 OBW]
-20.21 dBm
2.419120000 GHz
Temp 2 [T1 OBW]
-19.33 dBm
2.455440000 GHz
1 PK
VIEW
A
LVL
T1
D1 -15.93 dBm
D2 -21.96 dBm
T2
F1
F2
Center 2.4372 GHz
4 MHz/
Span 40 MHz

CH09


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 10 ms
Delta 1 [T1]
-0.78 dB
36.640000000 MHz
10 Offset 0.5 dB
OBW 36.320000000 MHz
Marker 1 [T1]
-22.31 dBm
2.433920000 GHz
Temp 1 [T1 OBW]
-19.23 dBm
2.434080000 GHz
Temp 2 [T1 OBW]
-18.96 dBm
2.470400000 GHz
1 PK
VIEW
A
LVL
T1
D1 -17.4 dBm
D2 -23.4 dBm
T2
F1
F2
Center 2.452 GHz
4 MHz/
Span 40 MHz

6. PEAK OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart C			
Test Item	Limit	Frequency Range (MHz)	Result
Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

6.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter Sensor	Anritsu	MA2491A	34138	Feb. 17, 2012

Remark: ” N/A” denotes No Model Name , Serial No. or No Calibration specified.

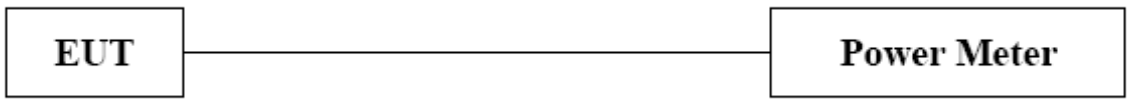
6.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 1MHz, VBW= 1MHz, Sweep time = Auto.

6.1.3 DEVIATION FROM STANDARD

No deviation.

6.1.4 TEST SETUP



6.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

6.1.6 TEST RESULTS

EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11b/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2412	12.17	30	1
CH06	2437	12.06	30	1
CH11	2462	11.86	30	1

EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11g/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2412	13.82	30	1
CH06	2437	13.21	30	1
CH11	2462	12.48	30	1

EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11n/20M/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2412	12.68	30	1
CH06	2437	12.61	30	1
CH11	2462	11.22	30	1

EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11n/40M/CH03, CH06, CH09		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH03	2422	12.03	30	1
CH06	2437	12.35	30	1
CH09	2452	11.62	30	1

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart C			
Test Item	Limit	Frequency Range (MHz)	Result
Antenna conducted Spurious Emission	20dB less than the peak value of fundamental frequency	30-25000	PASS

7.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Aug. 31, 2011

Remark: ” N/A” denotes No Model Name , Serial No. or No Calibration specified.

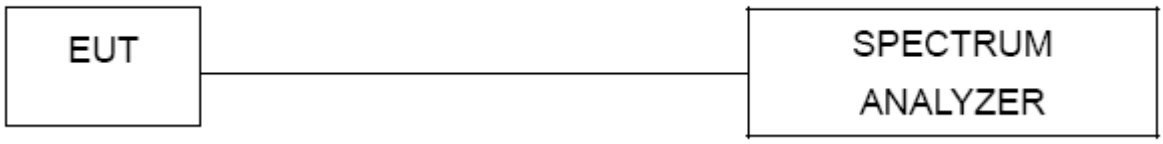
7.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 100KHz, VBW=100KHz, Sweep time = Auto.

7.1.3 DEVIATION FROM STANDARD

No deviation.

7.1.4 TEST SETUP



7.1.5 EUT OPERATION CONDITIONS

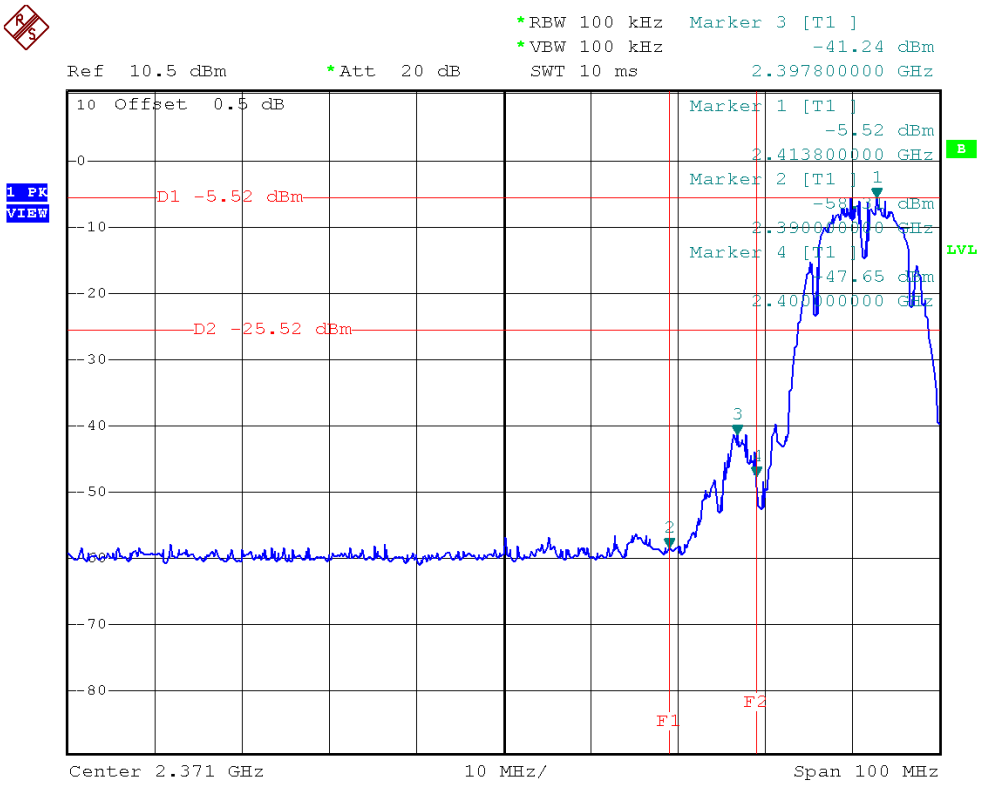
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

7.1.6 TEST RESULTS

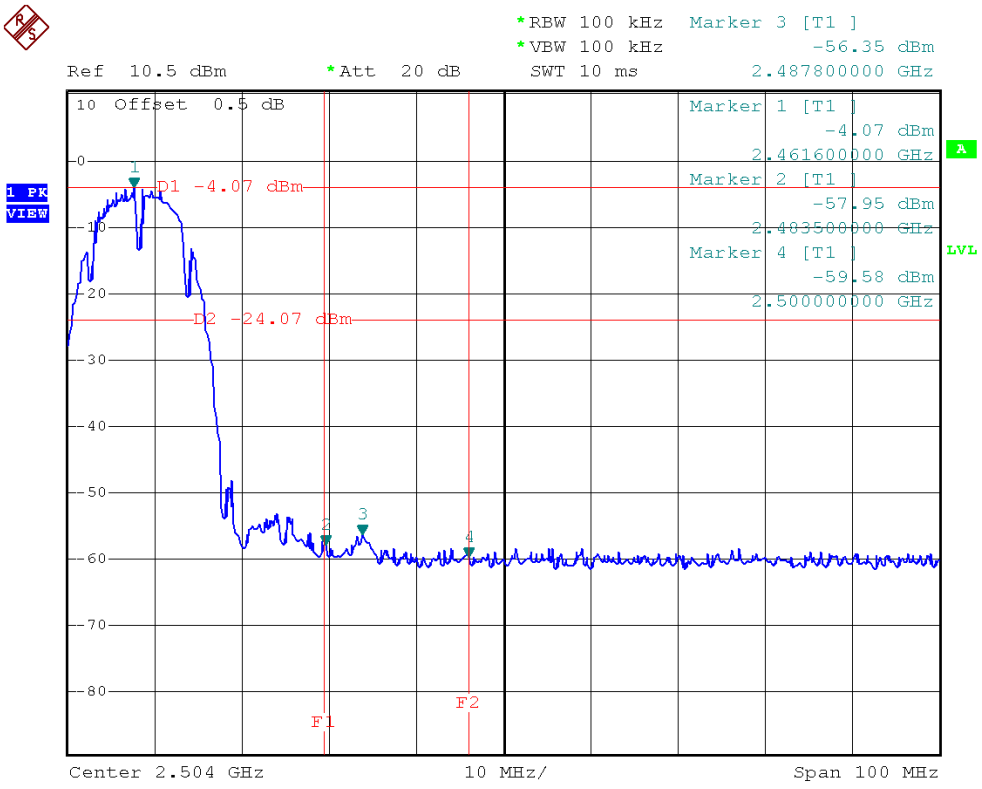
EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11b/CH01, CH11		

Channel of Worst Data: CH1,CH11			
The max. radio frequency power in any 100kHz bandwidth outside the frequency band		The max. radio frequency power in any 100 kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
2397.80	-41.24	2487.80	-56.35
Result			
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.			

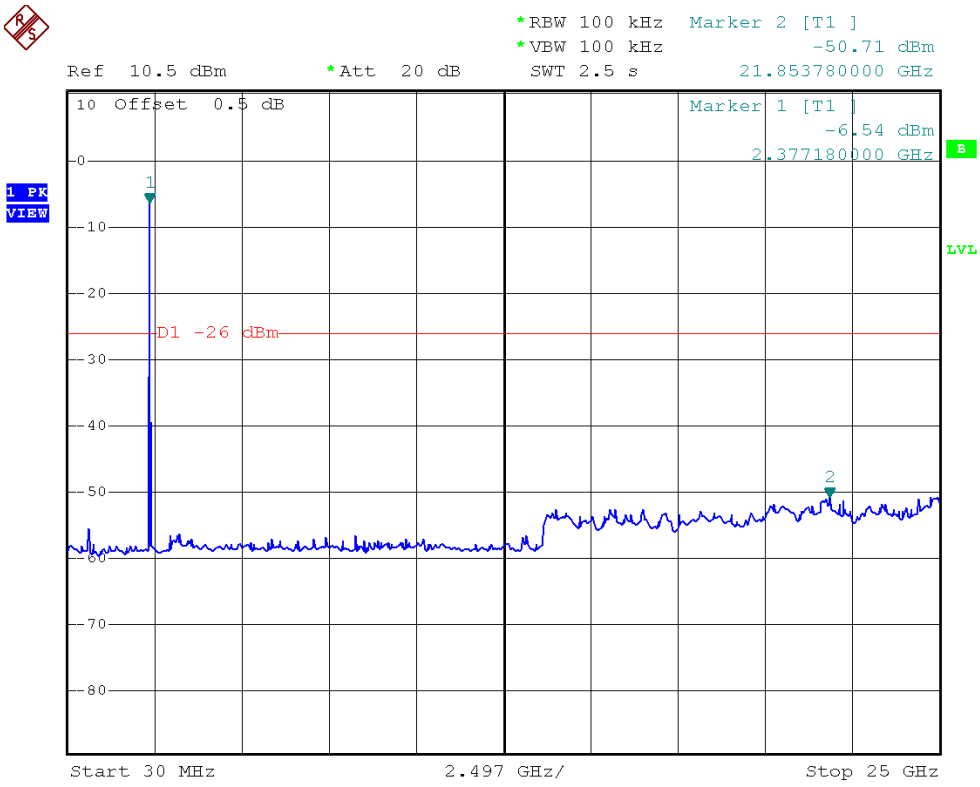
CH01


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 10 ms
Marker 3 [T1]
-41.24 dBm
2.397800000 GHz
10 Offset 0.5 dB
Marker 1 [T1]
-5.52 dBm
2.413800000 GHz
Marker 2 [T1]
Marker 4 [T1]
2.400000000 GHz
D1 -5.52 dBm
D2 -25.52 dBm
1 PK VIEW
B
LVL
F1
F2
Center 2.371 GHz
10 MHz/
Span 100 MHz

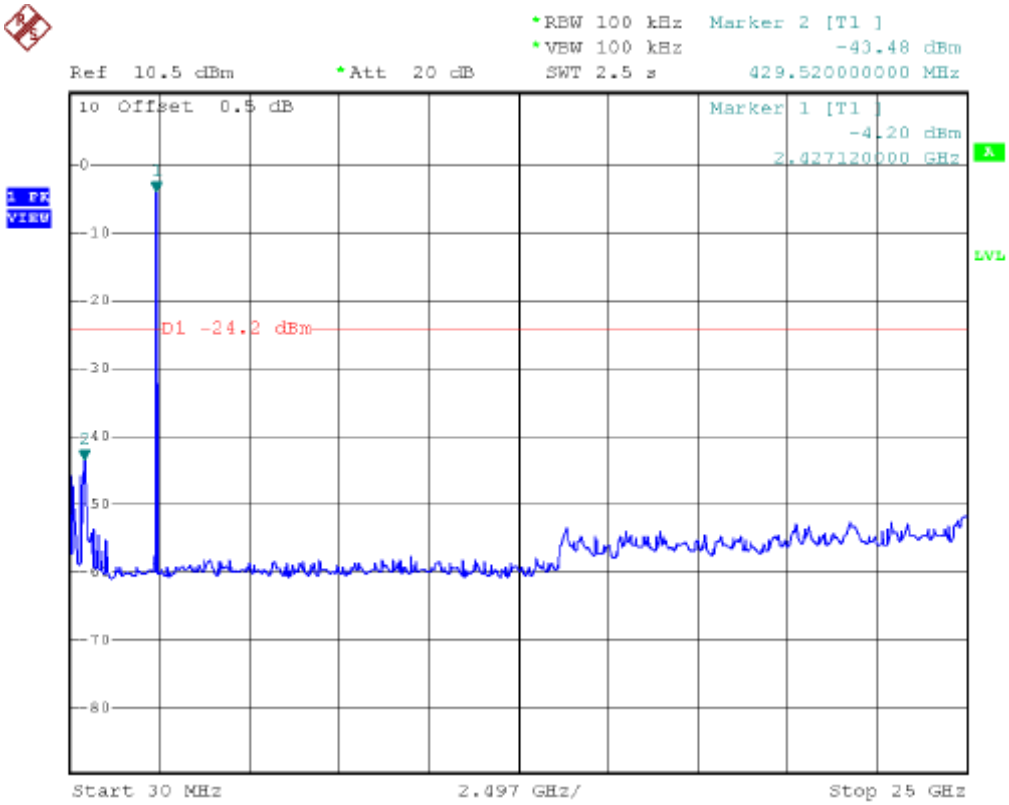
CH11


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 10 ms
Marker 3 [T1]
-56.35 dBm
2.487800000 GHz
10 Offset 0.5 dB
Marker 1 [T1]
-4.07 dBm
2.461600000 GHz
Marker 2 [T1]
-57.95 dBm
2.483500000 GHz
Marker 4 [T1]
-59.58 dBm
2.500000000 GHz
D1 -4.07 dBm
D2 -24.07 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.504 GHz
10 MHz/
Span 100 MHz

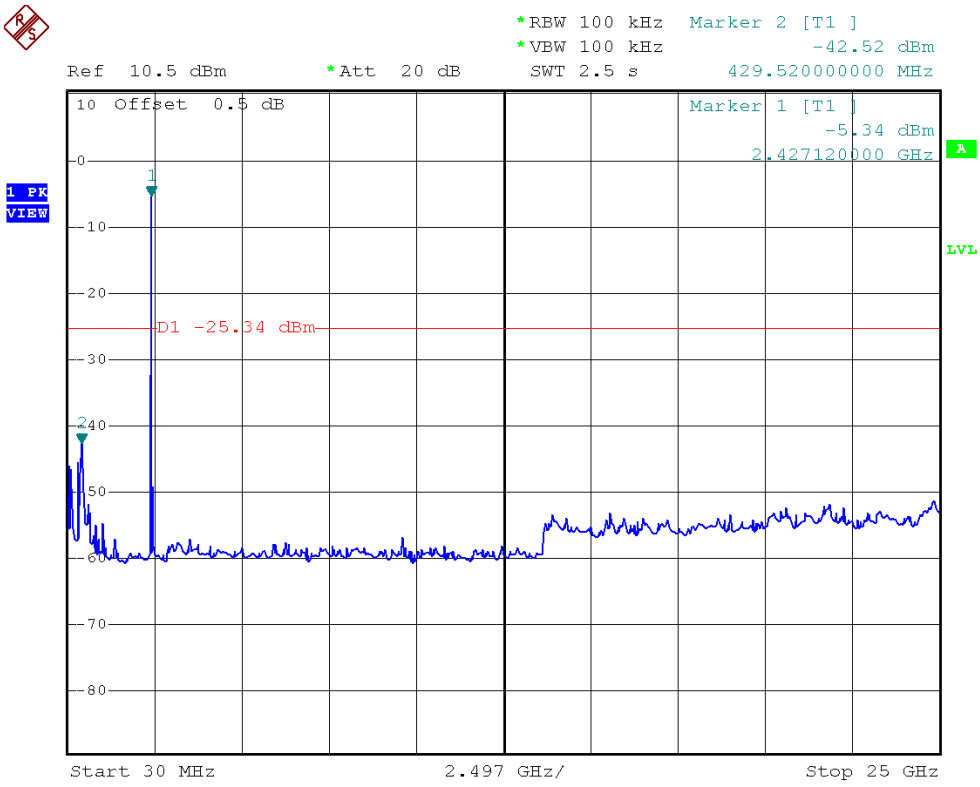
CH01


*RBW 100 kHz
*VBW 100 kHz
SWT 2.5 s
Marker 2 [T1]
-50.71 dBm
21.853780000 GHz
Ref 10.5 dBm
*Att 20 dB
10 Offset 0.5 dB
Marker 1 [T1]
-6.54 dBm
2.377180000 GHz
1 PK VIEW
B
LVL
D1 -26 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

CH06


*RBW 100 kHz
*VBW 100 kHz
SWT 2.5 s
Marker 2 [T1]
-43.48 dBm
429.520000000 MHz
Ref 10.5 dBm
*Att 20 dB
10 Offset 0.5 dB
Marker 1 [T1]
-4.20 dBm
2.427120000 GHz
1 PK VIEW
A
LVL
D1 -24.2 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

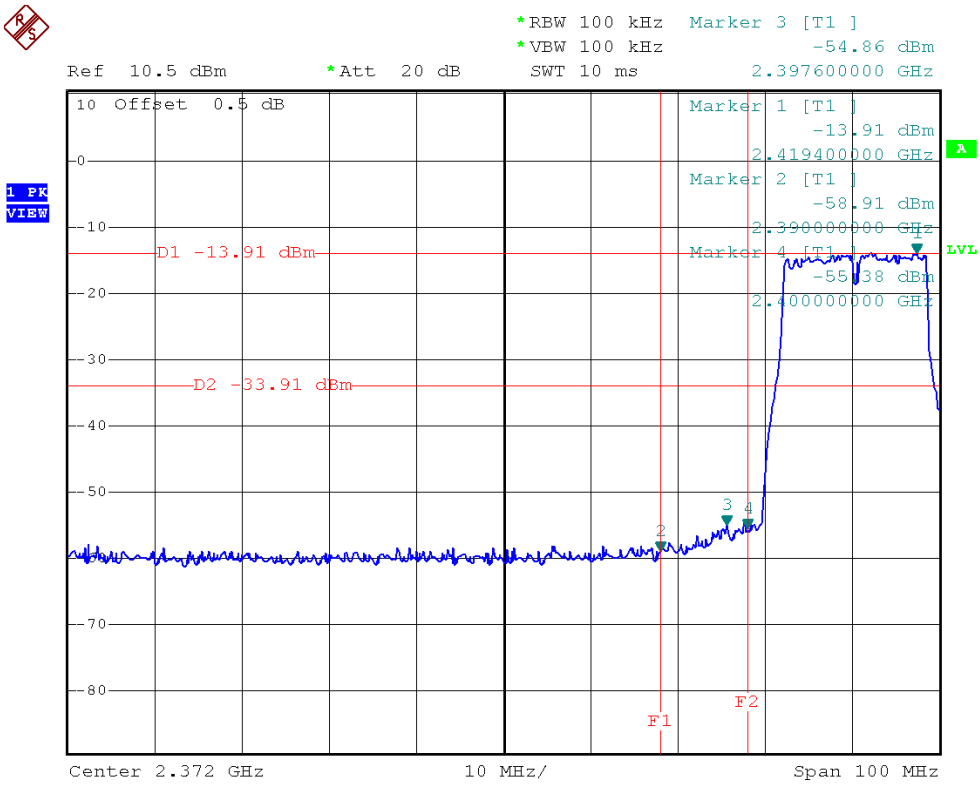
CH11


*RBW 100 kHz
*VBW 100 kHz
SWT 2.5 s
Marker 2 [T1]
-42.52 dBm
429.520000000 MHz
Ref 10.5 dBm
*Att 20 dB
10 Offset 0.5 dB
Marker 1 [T1]
-5.34 dBm
2.427120000 GHz
1 PK
VIEW
A
LVL
D1 -25.34 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

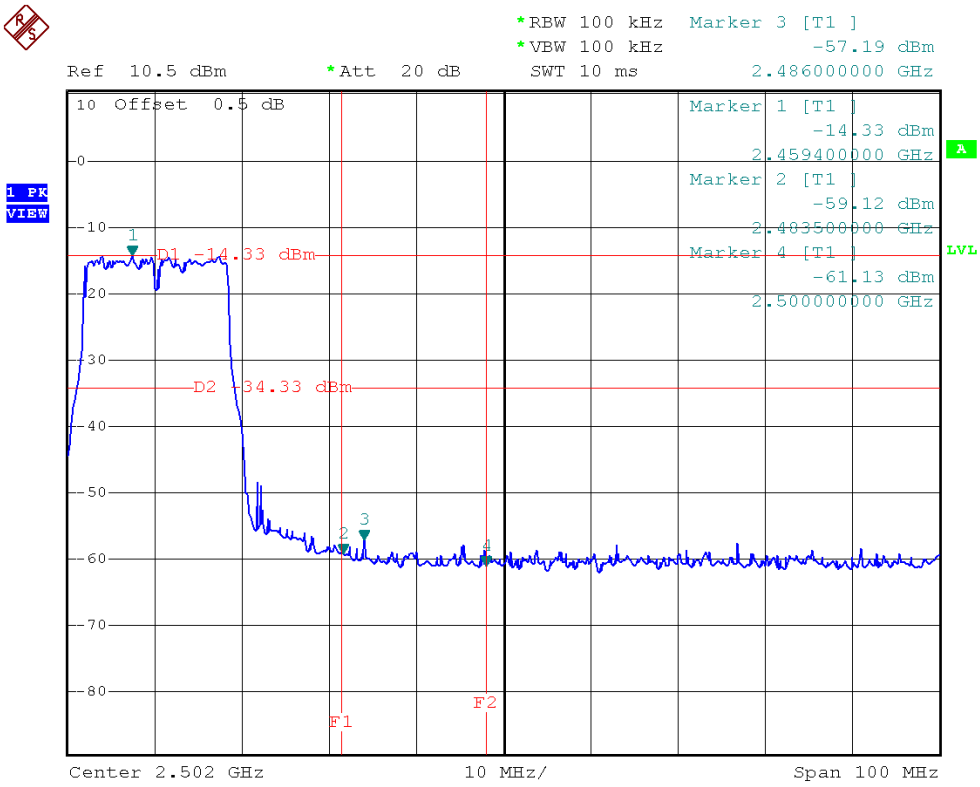
EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11g/CH01, CH11		

Channel of Worst Data: CH1,CH11			
The max. radio frequency power in any 100kHz bandwidth outside the frequency band		The max. radio frequency power in any 100 kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
2397.60	-54.86	2486.00	-57.19
Result			
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.			

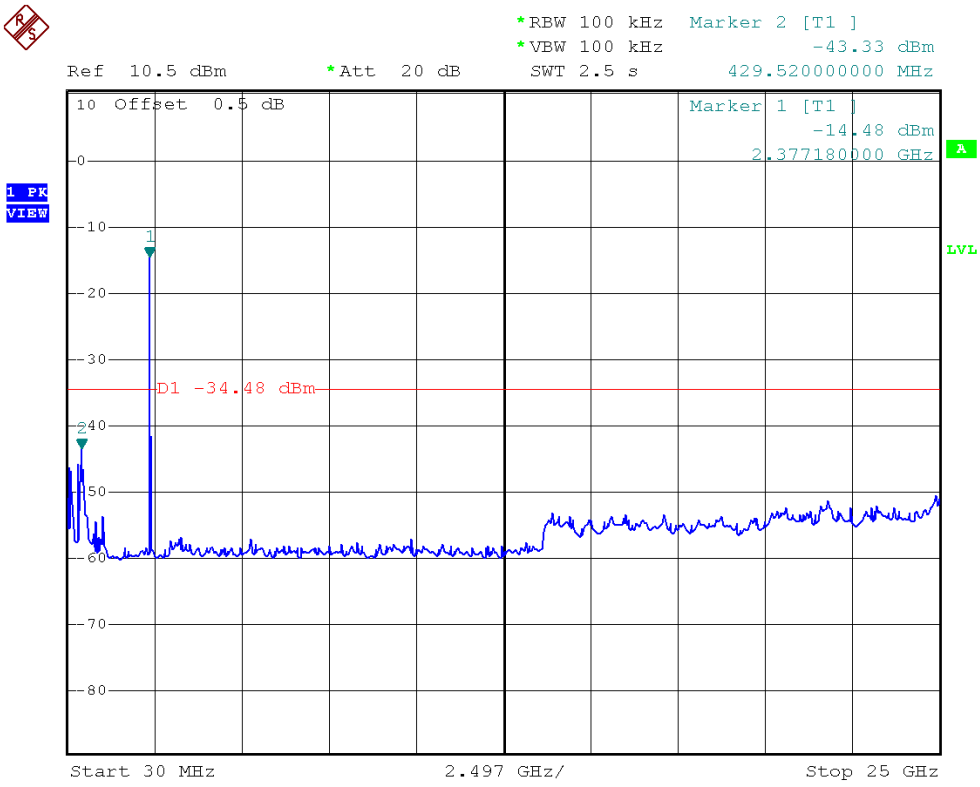
CH01


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 10 ms
Marker 3 [T1]
-54.86 dBm
2.397600000 GHz
10 Offset 0.5 dB
Marker 1 [T1]
-13.91 dBm
2.419400000 GHz
Marker 2 [T1]
-58.91 dBm
2.390000000 GHz
Marker 4 [T1]
-55.38 dBm
2.400000000 GHz
1 PK VIEW
A
LVL
D1 -13.91 dBm
D2 -33.91 dBm
F1
F2
Center 2.372 GHz
10 MHz/
Span 100 MHz

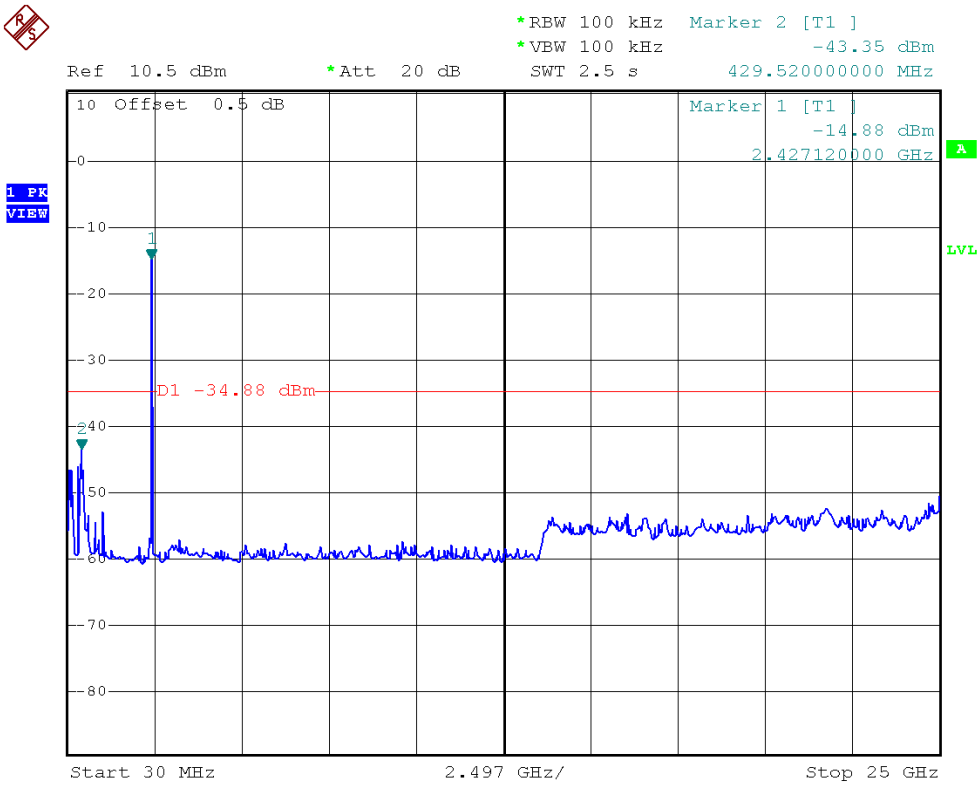
CH11


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 10 ms
Marker 3 [T1]
-57.19 dBm
2.486000000 GHz
10 Offset 0.5 dB
Marker 1 [T1]
-14.33 dBm
2.459400000 GHz
Marker 2 [T1]
-59.12 dBm
2.403500000 GHz
Marker 4 [T1]
-61.13 dBm
2.500000000 GHz
1 PK VIEW
A
LVL
D1 -14.33 dBm
D2 -34.33 dBm
F1
F2
Center 2.502 GHz
10 MHz/
Span 100 MHz

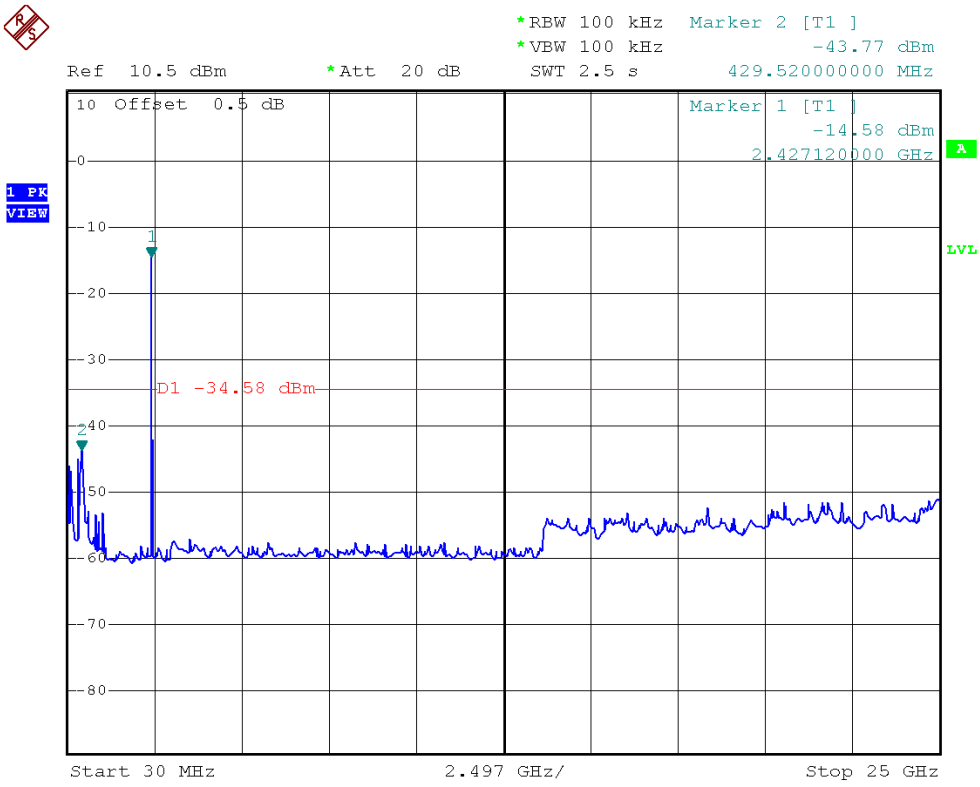
CH01


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 2.5 s
Marker 2 [T1]
-43.33 dBm
429.520000000 MHz
10 Offset 0.5 dB
Marker 1 [T1]
-14.48 dBm
2.377180000 GHz
1 PK
VIEW
A
LVL
D1 -34.48 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

CH06


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 2.5 s
Marker 2 [T1]
-43.35 dBm
429.520000000 MHz
10 Offset 0.5 dB
Marker 1 [T1]
-14.88 dBm
2.427120000 GHz
1 PK
VIEW
A
LVL
D1 -34.88 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

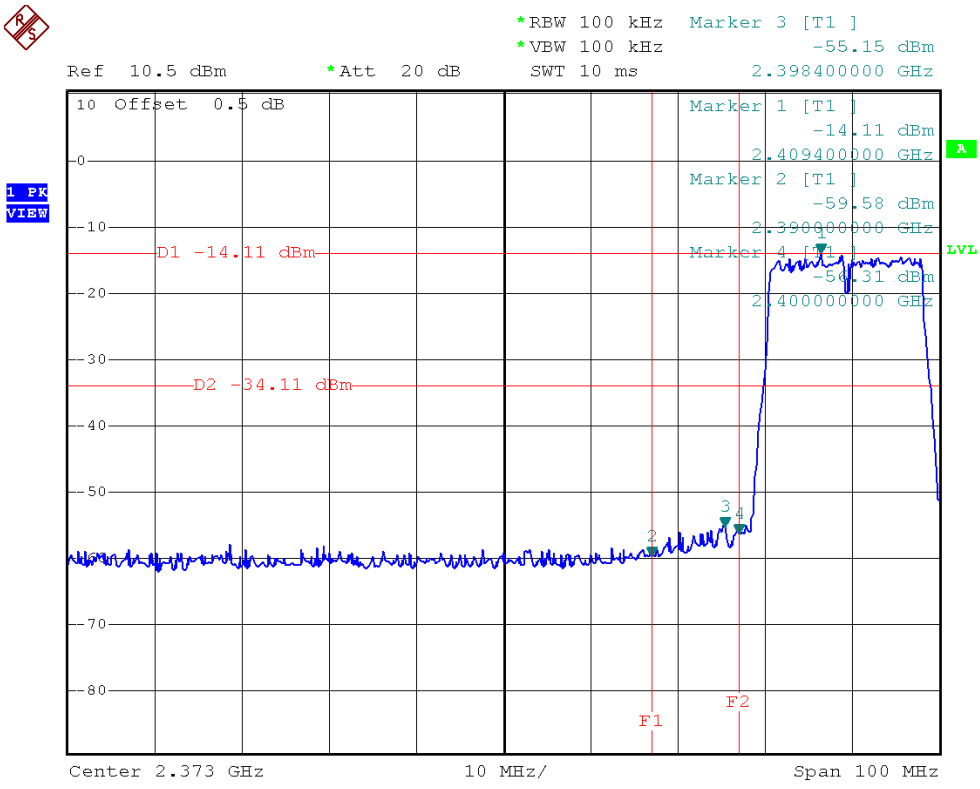
CH11


*RBW 100 kHz
*VBW 100 kHz
SWT 2.5 s
Marker 2 [T1]
-43.77 dBm
429.520000000 MHz
Ref 10.5 dBm
*Att 20 dB
10 Offset 0.5 dB
Marker 1 [T1]
-14.58 dBm
2.427120000 GHz
1 PK
VIEW
A
LVL
D1 -34.58 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

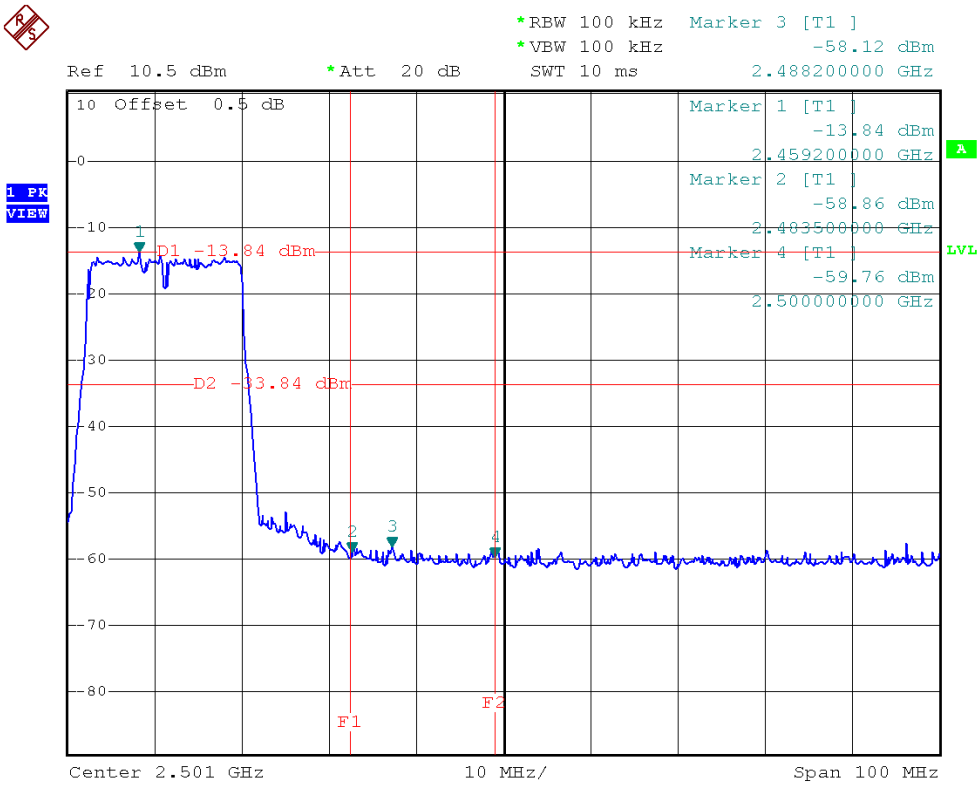
EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11n/20M/CH01, CH11		

Channel of Worst Data: CH1,CH11			
The max. radio frequency power in any 100kHz bandwidth outside the frequency band		The max. radio frequency power in any 100 kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
2398.40	-55.15	2488.20	-58.12
Result			
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.			

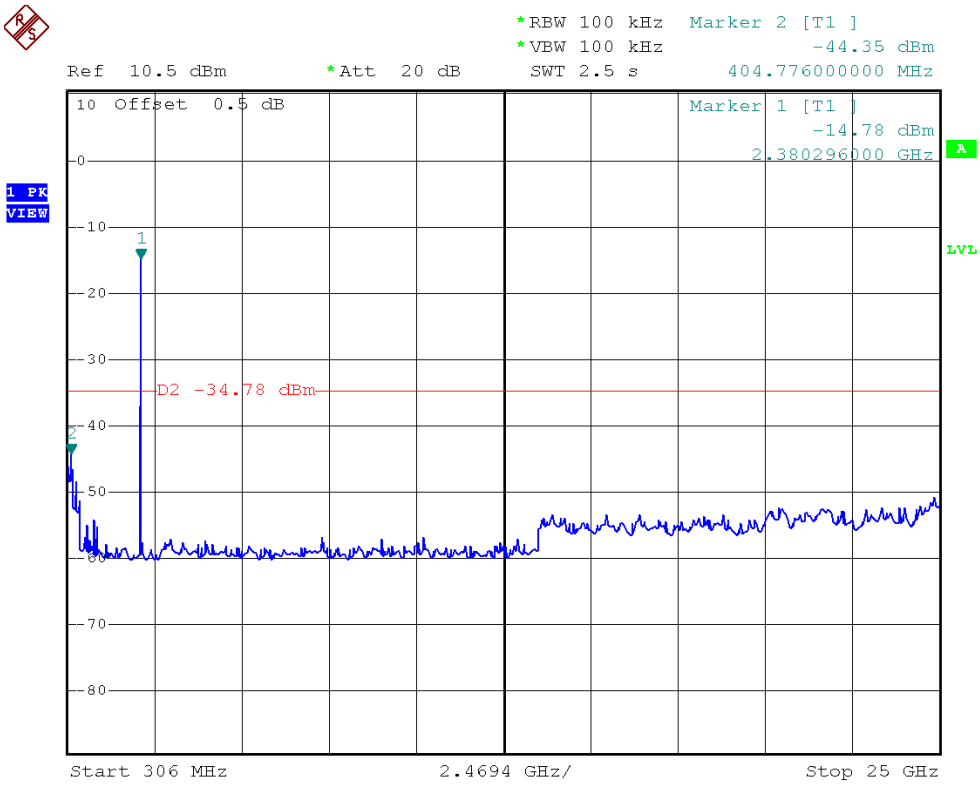
CH01


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 10 ms
Marker 3 [T1]
-55.15 dBm
2.398400000 GHz
10 Offset 0.5 dB
Marker 1 [T1]
-14.11 dBm
2.409400000 GHz
Marker 2 [T1]
-59.58 dBm
2.390000000 GHz
Marker 4 [T1]
-56.31 dBm
2.400000000 GHz
1 PK
VIEW
A
LVL
D1 -14.11 dBm
D2 -34.11 dBm
F1
F2
Center 2.373 GHz
10 MHz/
Span 100 MHz

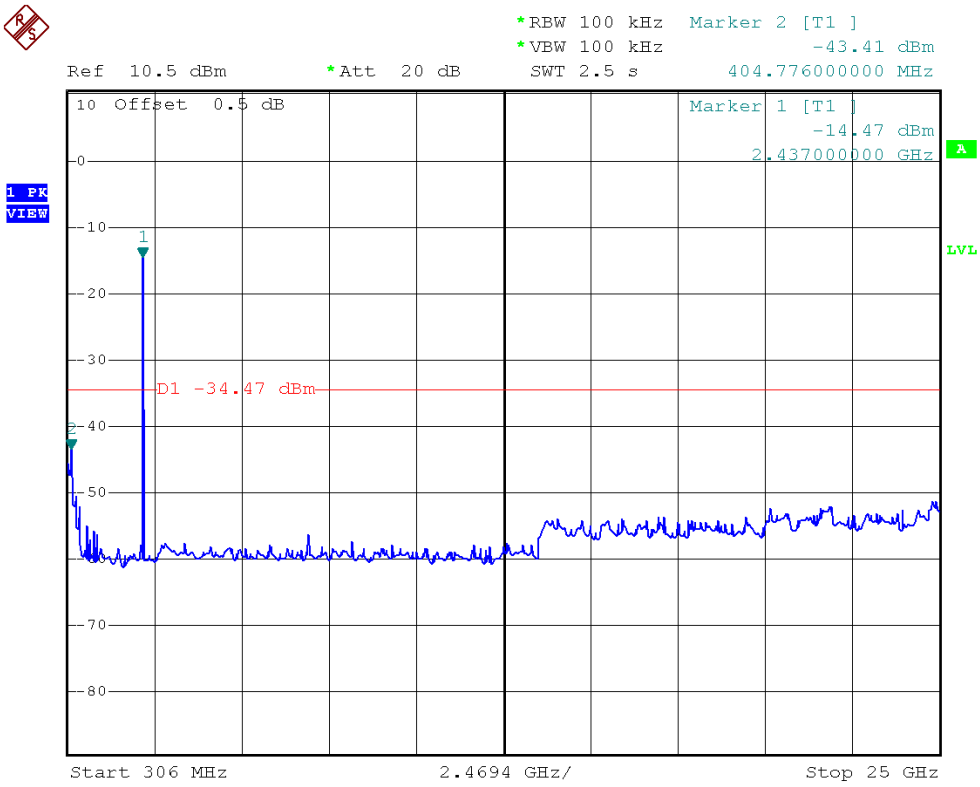
CH11


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 10 ms
Marker 3 [T1]
-58.12 dBm
2.488200000 GHz
10 Offset 0.5 dB
Marker 1 [T1]
-13.84 dBm
2.459200000 GHz
Marker 2 [T1]
-58.86 dBm
2.403500000 GHz
Marker 4 [T1]
-59.76 dBm
2.500000000 GHz
1 PK
VIEW
A
LVL
D1 -13.84 dBm
D2 -33.84 dBm
F1
F2
Center 2.501 GHz
10 MHz/
Span 100 MHz

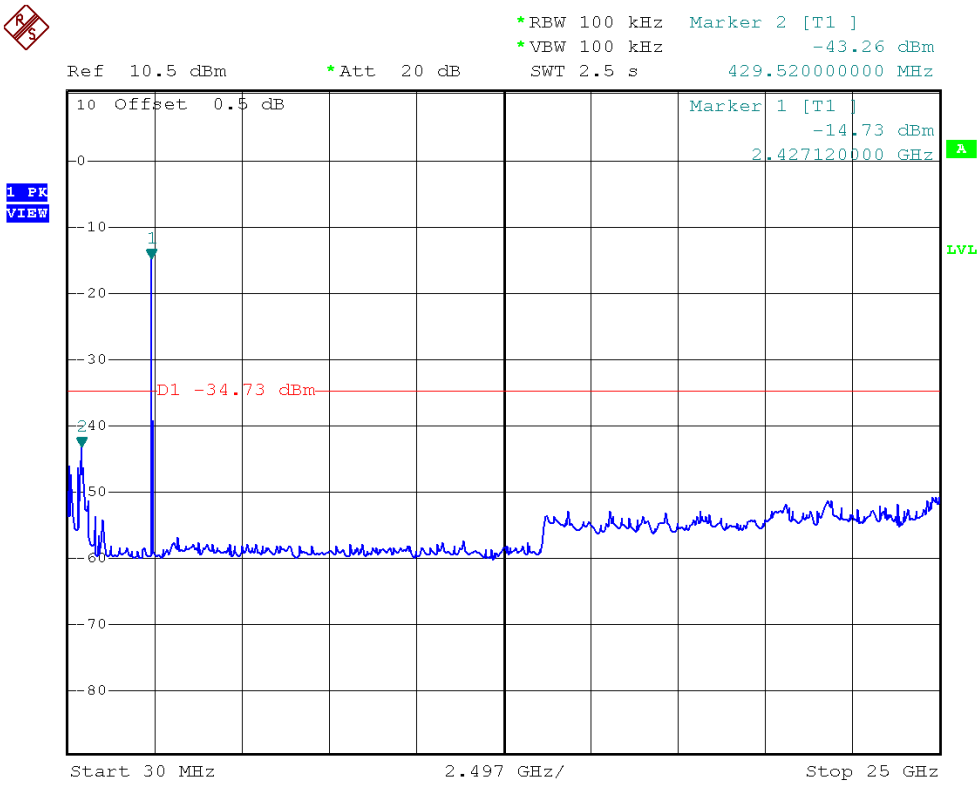
CH01


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 2.5 s
Marker 2 [T1]
-44.35 dBm
404.776000000 MHz
10 Offset 0.5 dB
Marker 1 [T1]
-14.78 dBm
2.380296000 GHz
1 PK
VIEW
A
LVL
D2 -34.78 dBm
Start 306 MHz
2.4694 GHz/
Stop 25 GHz

CH06


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 2.5 s
Marker 2 [T1]
-43.41 dBm
404.776000000 MHz
10 Offset 0.5 dB
Marker 1 [T1]
-14.47 dBm
2.437000000 GHz
1 PK
VIEW
A
LVL
D1 -34.47 dBm
Start 306 MHz
2.4694 GHz/
Stop 25 GHz

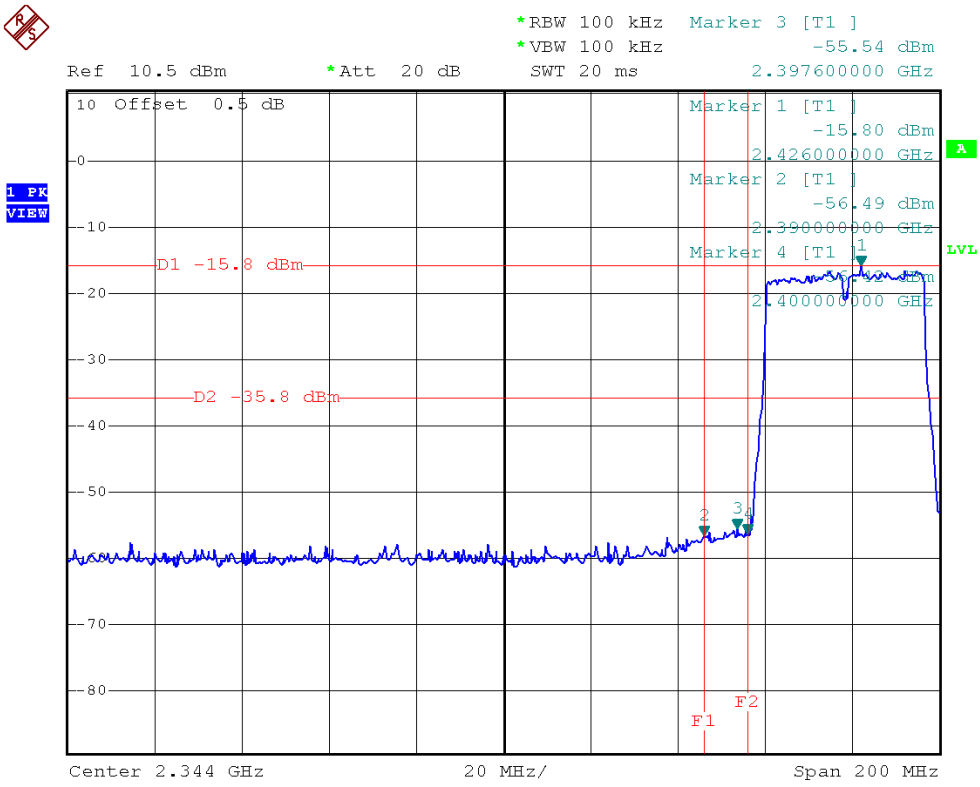
CH11


*RBW 100 kHz
*VBW 100 kHz
SWT 2.5 s
Marker 2 [T1]
-43.26 dBm
429.520000000 MHz
Ref 10.5 dBm
*Att 20 dB
10 Offset 0.5 dB
Marker 1 [T1]
-14.73 dBm
2.427120000 GHz
1 PK
VIEW
A
LVL
D1 -34.73 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

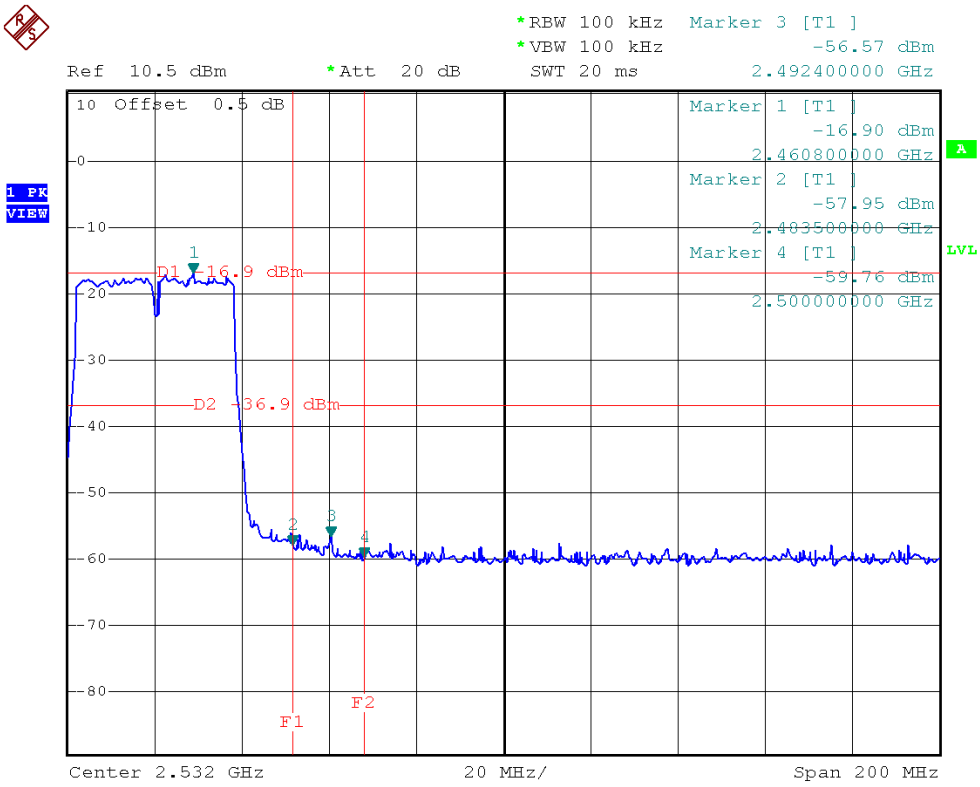
EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11n/40M/CH03, CH09		

Channel of Worst Data: CH03,CH09			
The max. radio frequency power in any 100kHz bandwidth outside the frequency band		The max. radio frequency power in any 100 kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
2397.60	-55.54	2492.40	-56.57
Result			
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.			

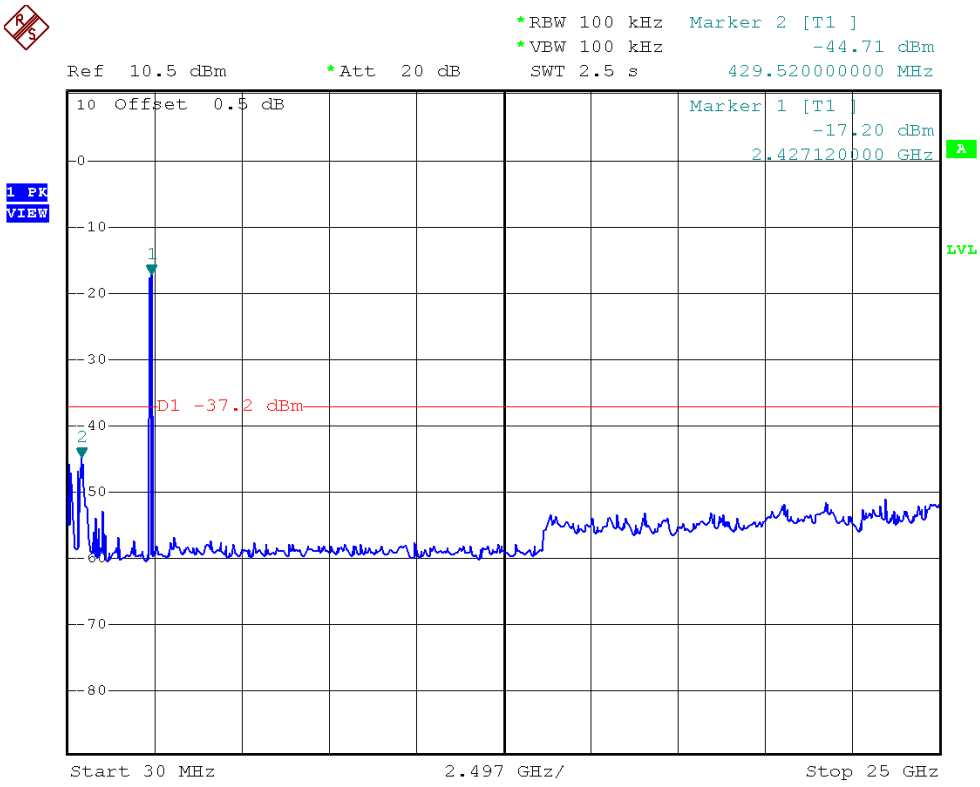
CH03


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 20 ms
Marker 3 [T1]
-55.54 dBm
2.397600000 GHz
10 Offset 0.5 dB
Marker 1 [T1]
-15.80 dBm
2.426000000 GHz
Marker 2 [T1]
-56.49 dBm
2.390000000 GHz
Marker 4 [T1]
2.400000000 GHz
D1 -15.8 dBm
D2 -35.8 dBm
1 PK
VIEW
A
LVL
F1
F2
Center 2.344 GHz
20 MHz/
Span 200 MHz

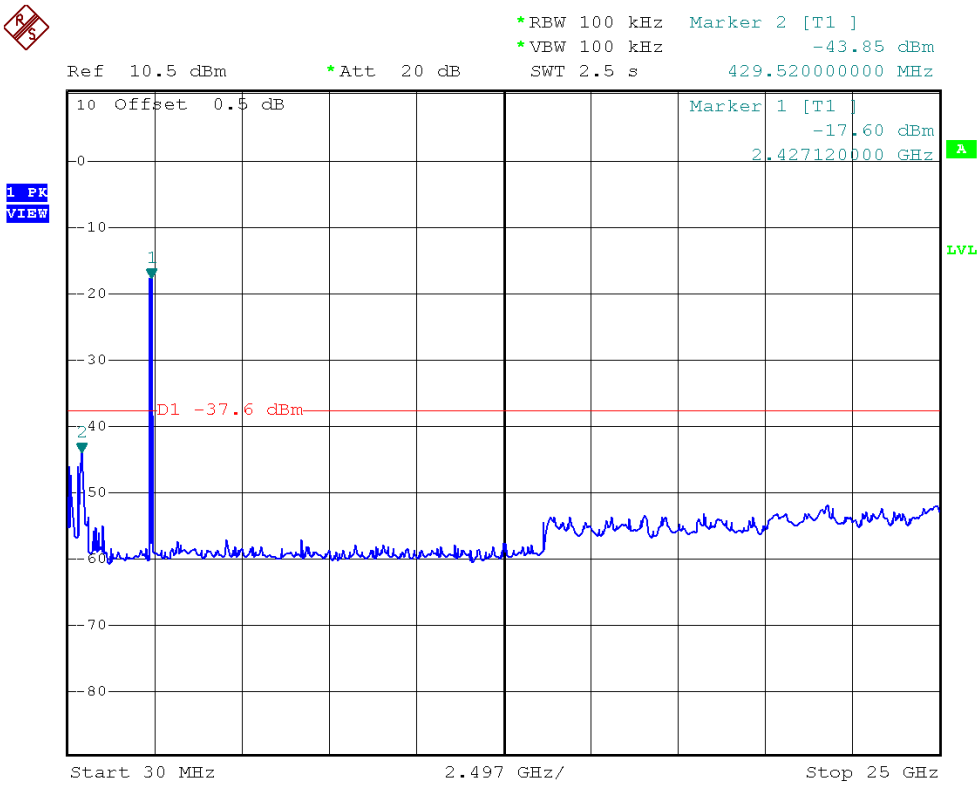
CH09


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 20 ms
Marker 3 [T1]
-56.57 dBm
2.492400000 GHz
10 Offset 0.5 dB
Marker 1 [T1]
-16.90 dBm
2.460800000 GHz
Marker 2 [T1]
-57.95 dBm
2.403500000 GHz
Marker 4 [T1]
-59.76 dBm
2.500000000 GHz
D1 -16.9 dBm
D2 -36.9 dBm
1 PK
VIEW
A
LVL
F1
F2
Center 2.532 GHz
20 MHz/
Span 200 MHz

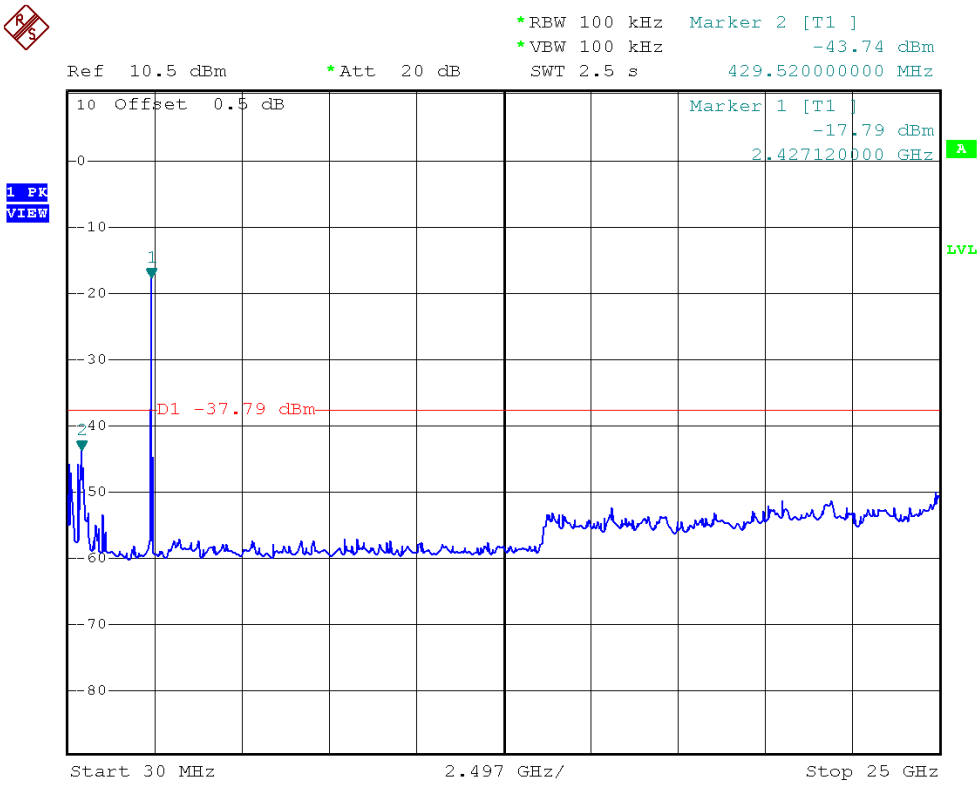
CH03


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 2.5 s
Marker 2 [T1]
-44.71 dBm
429.520000000 MHz
10 Offset 0.5 dB
Marker 1 [T1]
-17.20 dBm
2.427120000 GHz
1 PK
VIEW
A
LVL
D1 -37.2 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

CH06


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 2.5 s
Marker 2 [T1]
-43.85 dBm
429.520000000 MHz
10 Offset 0.5 dB
Marker 1 [T1]
-17.60 dBm
2.427120000 GHz
1 PK
VIEW
A
LVL
D1 -37.6 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

CH09


*RBW 100 kHz
*VBW 100 kHz
Ref 10.5 dBm
*Att 20 dB
SWT 2.5 s
Marker 2 [T1]
-43.74 dBm
429.520000000 MHz
10 Offset 0.5 dB
Marker 1 [T1]
-17.79 dBm
2.427120000 GHz
1 PK
VIEW
A
LVL
D1 -37.79 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart C			
Test Item	Limit	Frequency Range (MHz)	Result
Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

8.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Aug. 31, 2011

Remark: ” N/A” denotes No Model Name, Serial No. or No Calibration specified.

8.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW=3KHz, VBW=30KHz, Sweep time = 500s.

8.1.3 DEVIATION FROM STANDARD

No deviation.

8.1.4 TEST SETUP

8.1.5 EUT OPERATION CONDITIONS

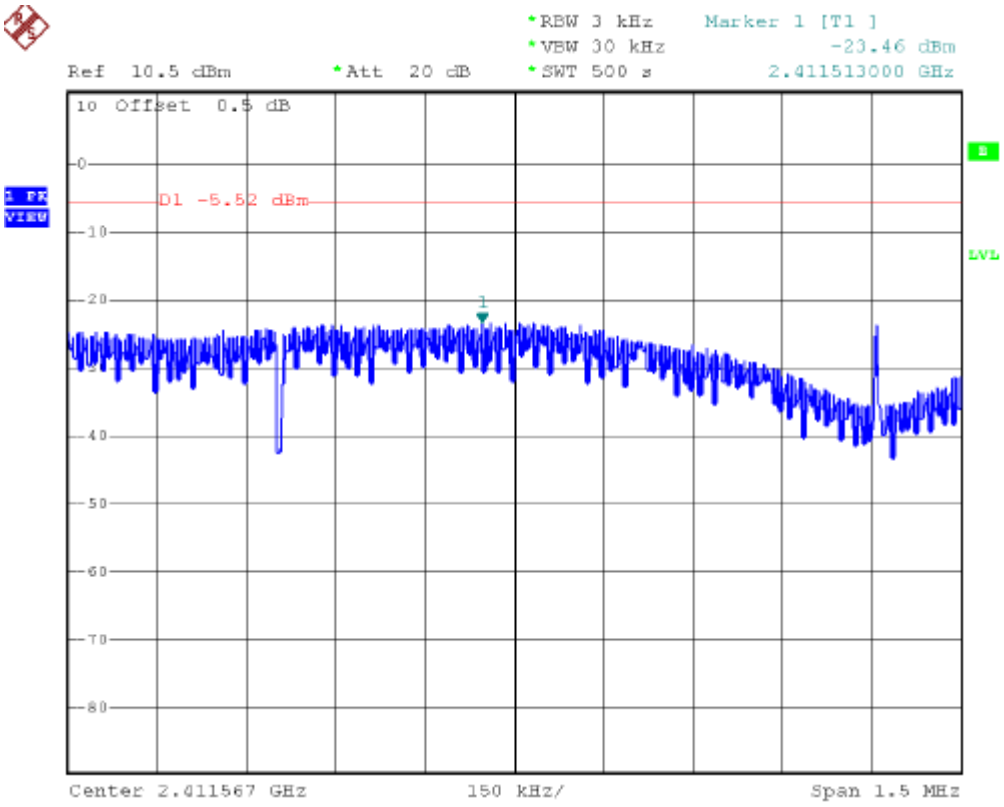
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

8.1.6 TEST RESULTS

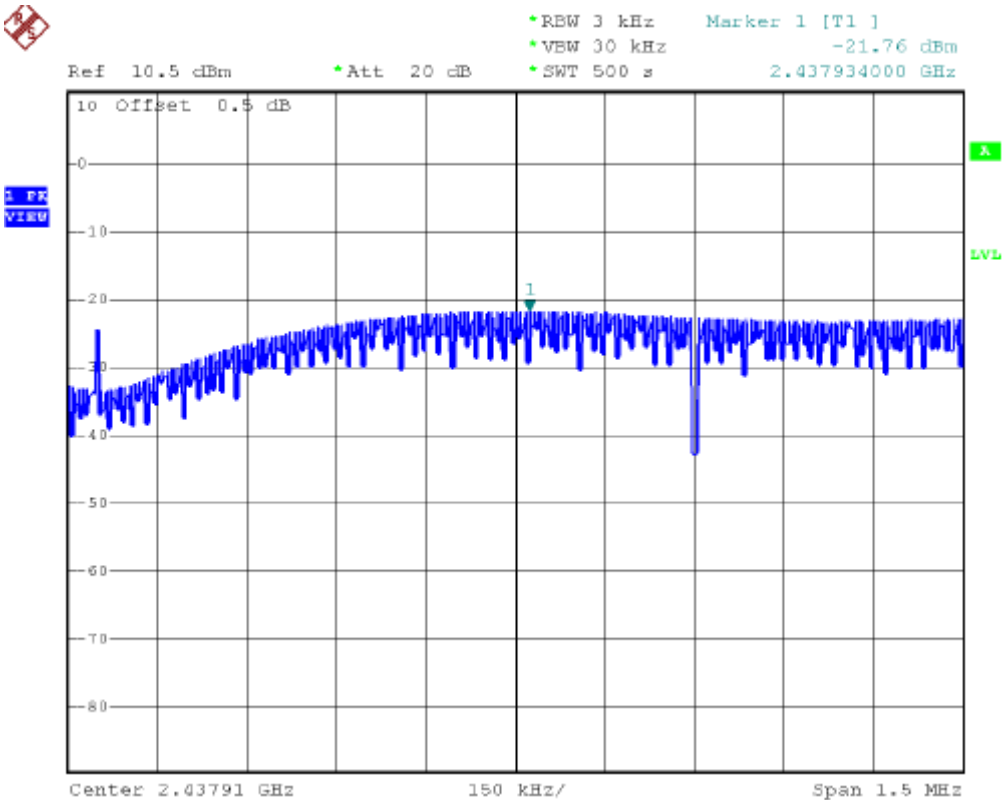
EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11b/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412	-23.46	8
CH06	2437	-21.76	8
CH11	2462	-21.72	8

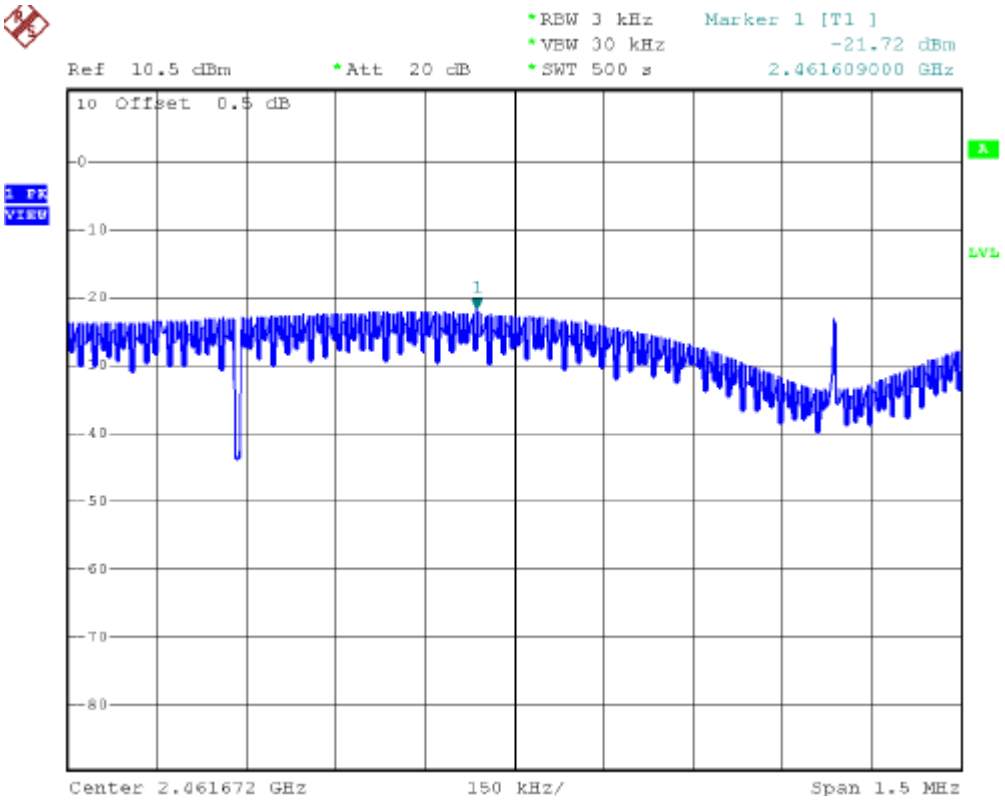
CH01



CH06


*RBW 3 kHz
Marker 1 [T1]
*VBW 30 kHz
-21.76 dBm
Ref 10.5 dBm
*Att 20 dB
*SWT 500 s
2.437934000 GHz
10 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 2.43791 GHz
150 kHz/
Span 1.5 MHz

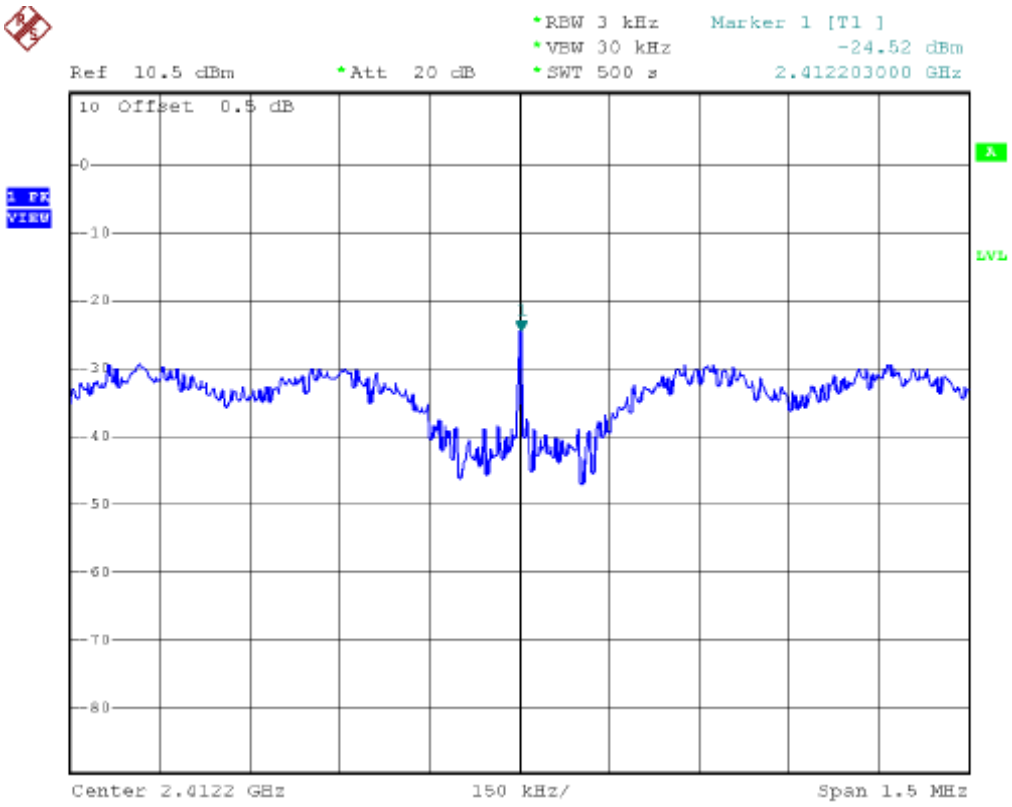
CH11


*RBW 3 kHz
Marker 1 [T1]
*VBW 30 kHz
-21.72 dBm
Ref 10.5 dBm
*Att 20 dB
*SWT 500 s
2.461609000 GHz
10 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 2.461672 GHz
150 kHz/
Span 1.5 MHz

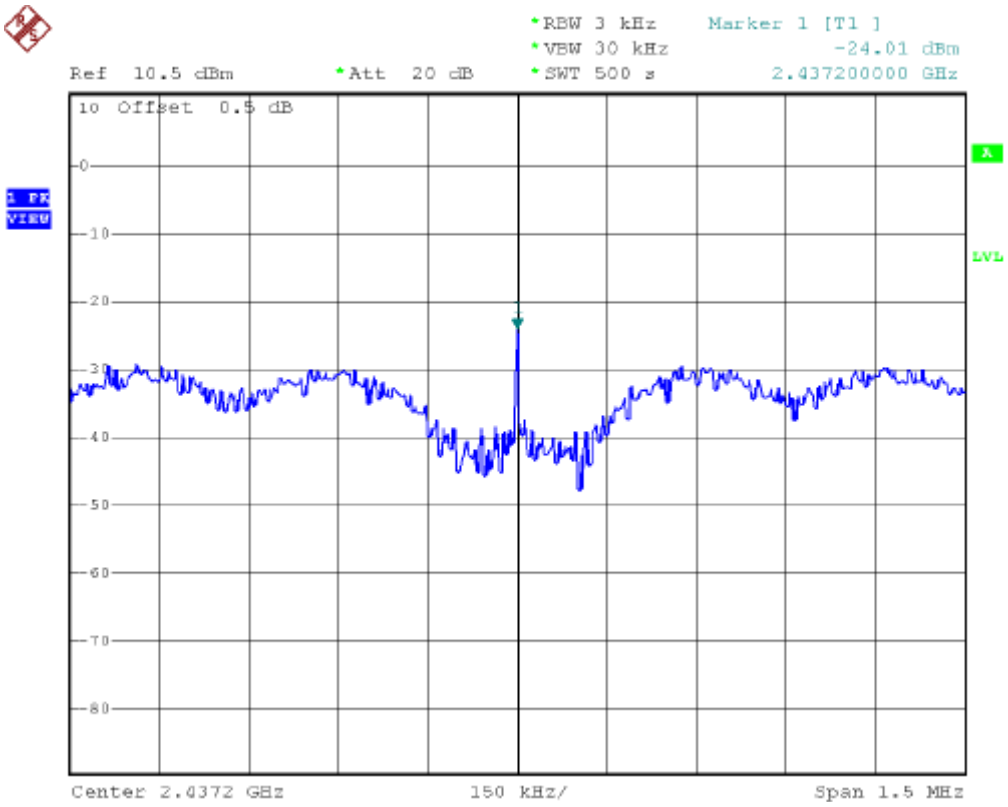
EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11g/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412	-24.52	8
CH06	2437	-24.01	8
CH11	2462	-24.32	8

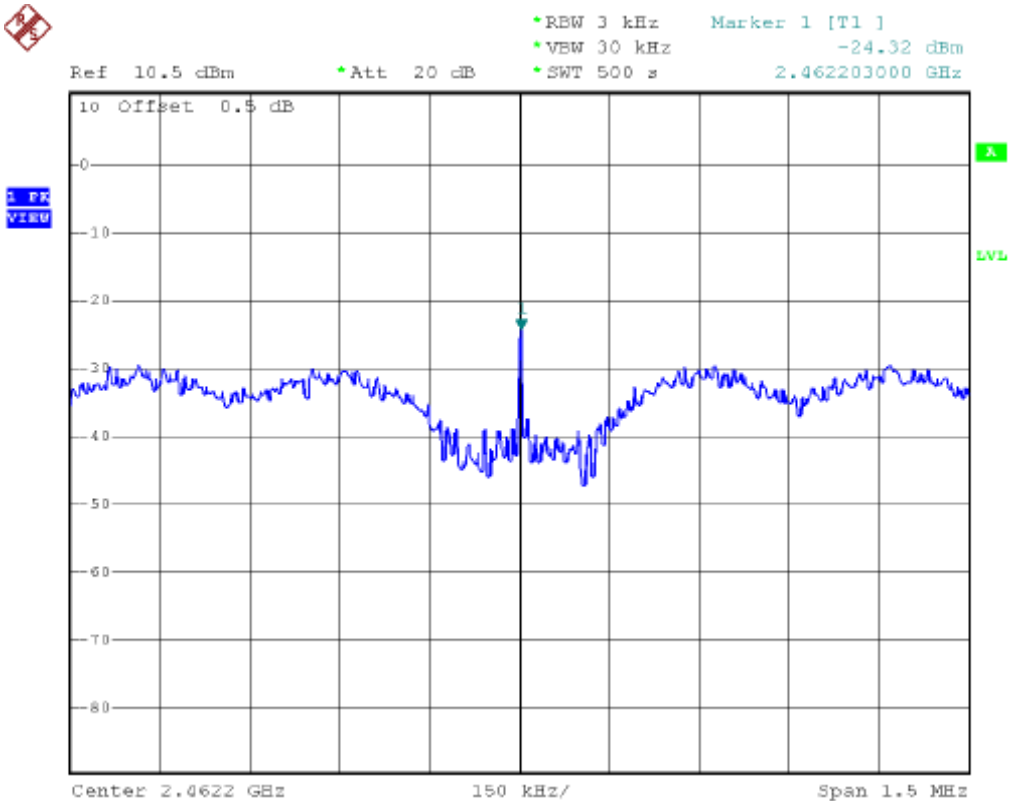
CH01



CH06


RBW 3 kHz
VBW 30 kHz
SWT 500 s
Marker 1 [T1]
-24.01 dBm
2.437200000 GHz
Ref 10.5 dBm
Att 20 dB
10 Offset 0.5 dB
0
10
20
30
40
50
60
70
80
A
LVL
1 PK VIEW
Center 2.4372 GHz
150 kHz/
Span 1.5 MHz

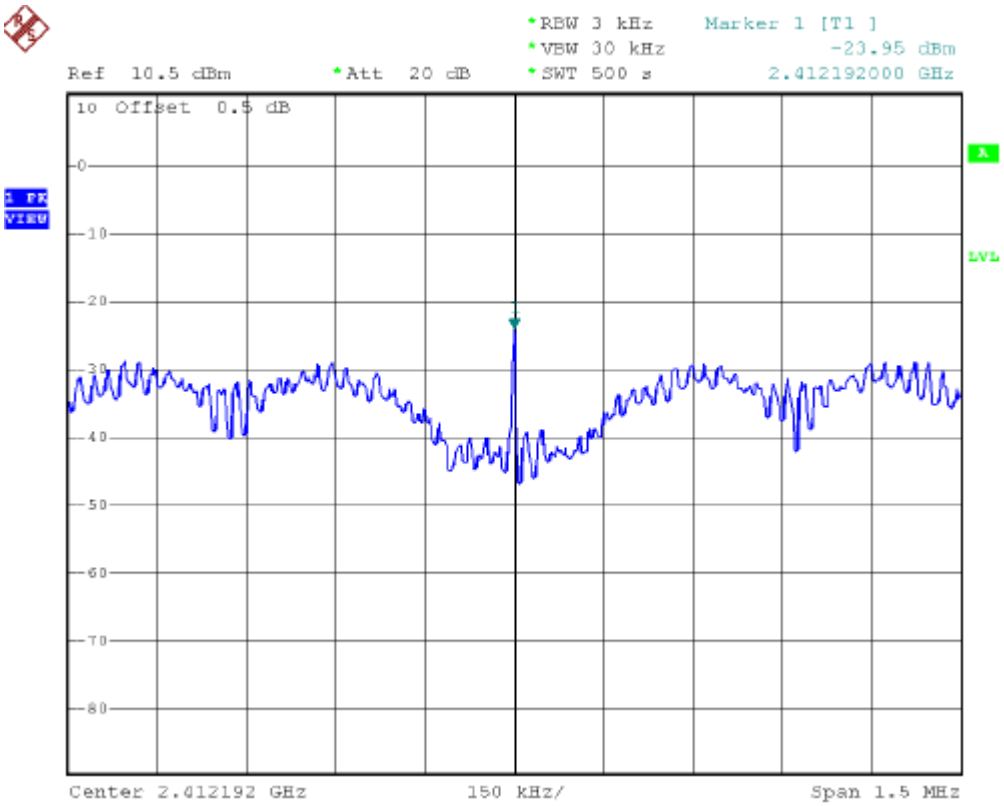
CH11


RBW 3 kHz
VBW 30 kHz
SWT 500 s
Marker 1 [T1]
-24.32 dBm
2.462203000 GHz
Ref 10.5 dBm
Att 20 dB
10 Offset 0.5 dB
0
10
20
30
40
50
60
70
80
A
LVL
1 PK VIEW
Center 2.4622 GHz
150 kHz/
Span 1.5 MHz

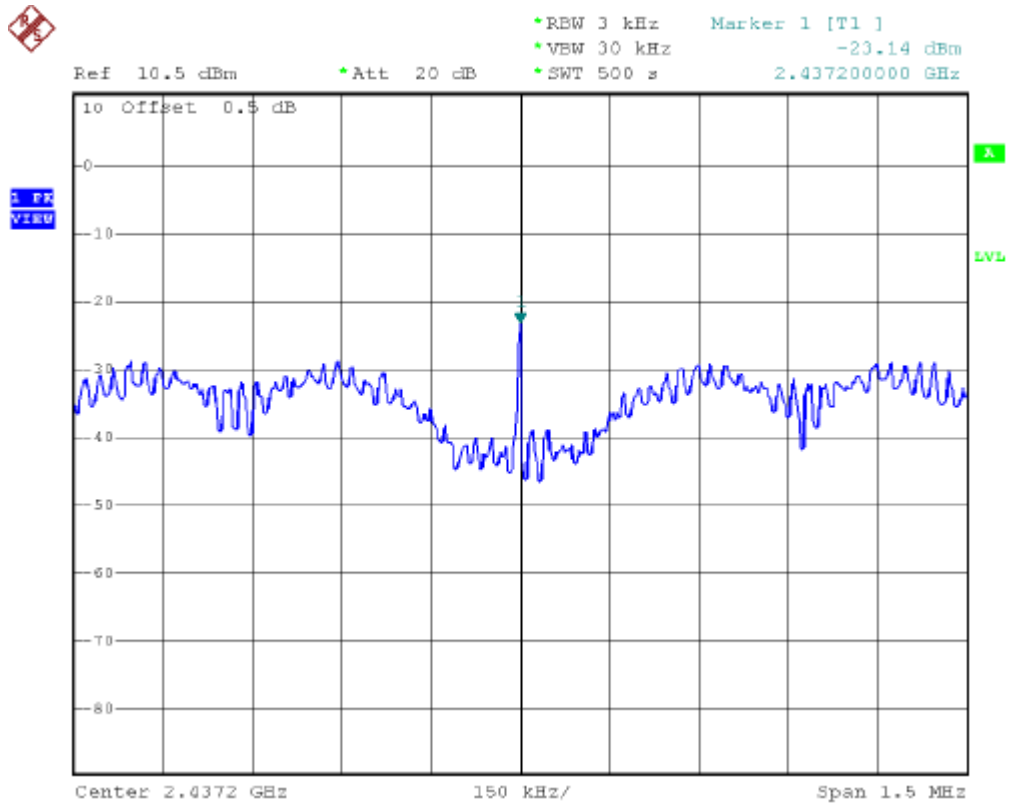
EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11n/20M/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	LIMIT (dBm)
CH01	2412	-23.95	0.00	8
CH06	2437	-23.14	0.00	8
CH11	2462	-22.19	0.01	8

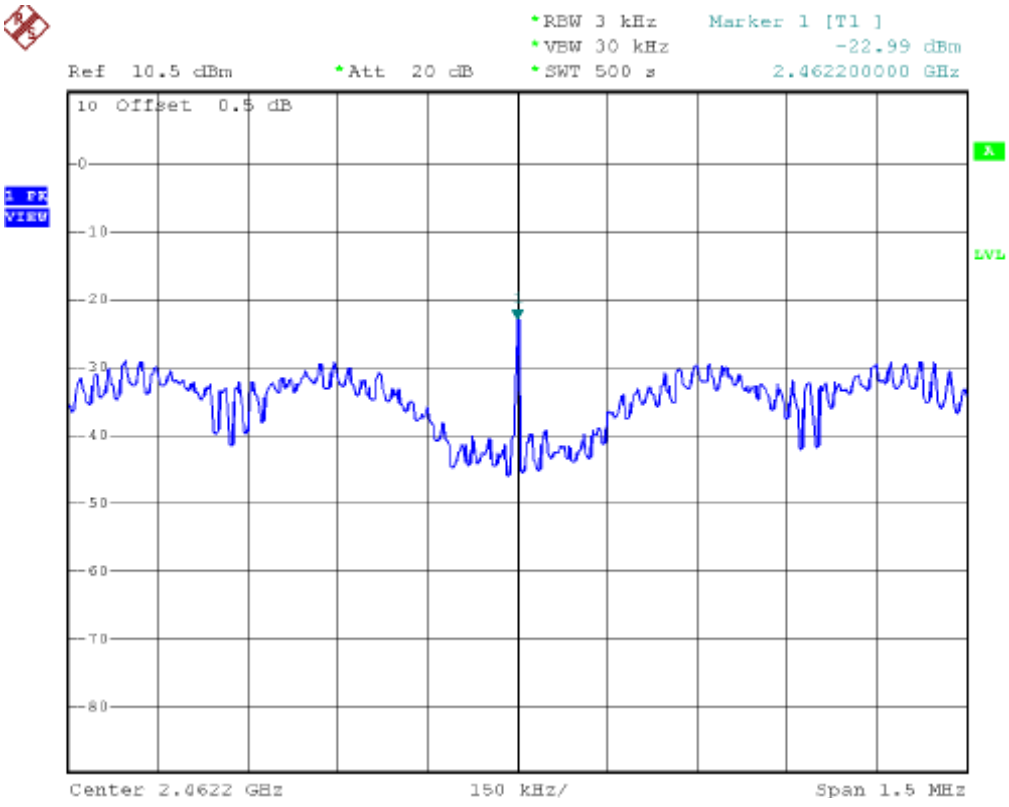
CH01



CH06


*RBW 3 kHz
Marker 1 [T1]
*VBW 30 kHz
-23.14 dBm
Ref 10.5 dBm
*Att 20 dB
*SWT 500 s
2.437200000 GHz
10 Offset 0.5 dB
-0
-10
-20
-30
-40
-50
-60
-70
-80
1 PK
VIEW
A
LVL
Center 2.4372 GHz
150 kHz/
Span 1.5 MHz

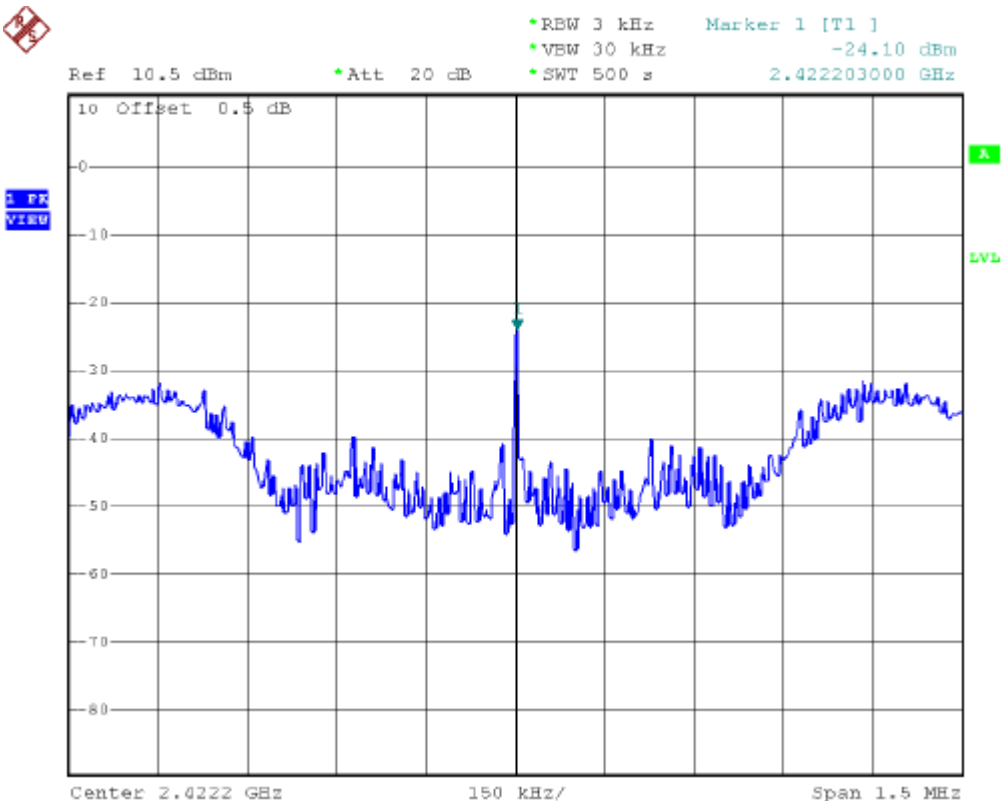
CH11


*RBW 3 kHz
Marker 1 [T1]
*VBW 30 kHz
-22.99 dBm
Ref 10.5 dBm
*Att 20 dB
*SWT 500 s
2.462200000 GHz
10 Offset 0.5 dB
-0
-10
-20
-30
-40
-50
-60
-70
-80
1 PK
VIEW
A
LVL
Center 2.4622 GHz
150 kHz/
Span 1.5 MHz

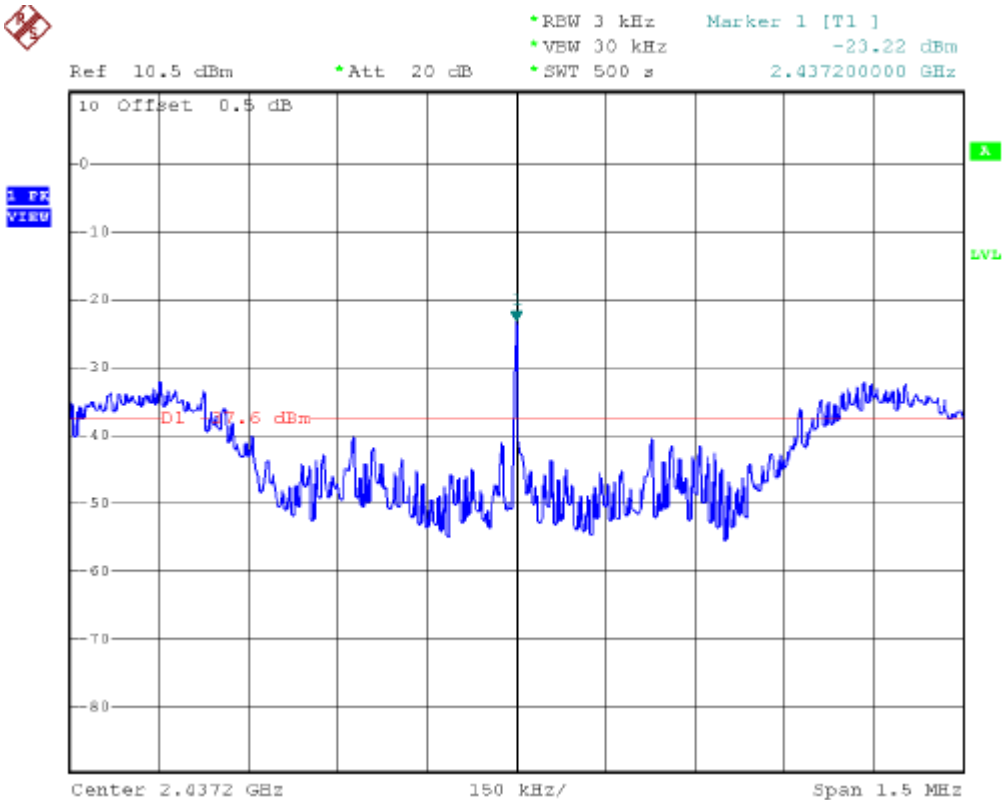
EUT：	FLUCARD pro	Model Name ：	FLUCARD pro 8GB
Temperature：	13°C	Relative Humidity：	64%
Test Voltage：	AC 120V/60Hz (System)		
Test Mode ：	802.11n/40M/CH03, CH06, CH09		

Test Channel	Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	LIMIT (dBm)
CH03	2422	-24.10	0.00	8
CH06	2437	-23.22	0.00	8
CH09	2452	-23.05	0.00	8

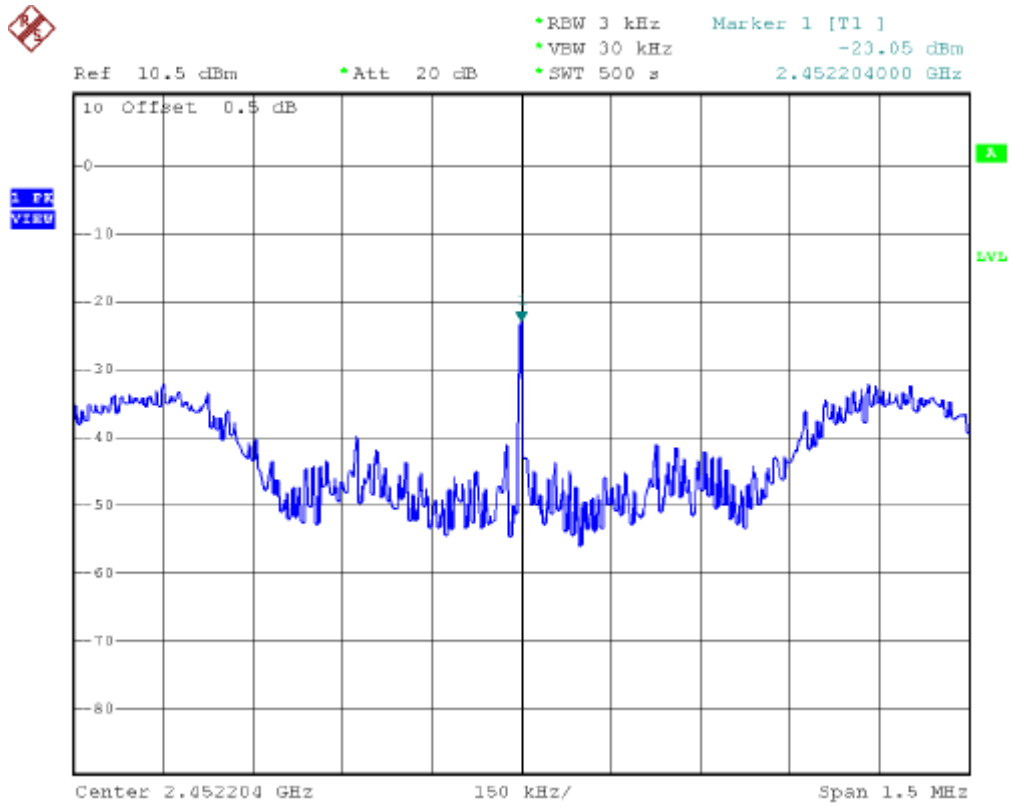
CH03



CH06


*RBW 3 kHz
Marker 1 [T1]
*VBW 30 kHz
-23.22 dBm
Ref 10.5 dBm
*Att 20 dB
*SWT 500 s
2.437200000 GHz
10 Offset 0.5 dB
D1 -7.5 dBm
Center 2.4372 GHz
150 kHz/
Span 1.5 MHz

CH09


*RBW 3 kHz
Marker 1 [T1]
*VBW 30 kHz
-23.05 dBm
Ref 10.5 dBm
*Att 20 dB
*SWT 500 s
2.452204000 GHz
10 Offset 0.5 dB
Center 2.452204 GHz
150 kHz/
Span 1.5 MHz

9. RF EXPOSURE TEST

9.1 APPLIED PROCEDURES / LIMIT

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure.

(A) Limits for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm^2)	Averaging Time $\|E\|^2$,$\|H\|^2$or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm^2)	Averaging Time $\|E\|^2$,$\|H\|^2$ or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

9.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Anritsu	ML2487A	6K00004714	Feb. 17, 2012
2	Power Meter Sensor	Anritsu	MA2491A	34138	Feb. 17, 2012

Remark: ” N/A” denotes No Model Name , Serial No. or No Calibration specified.

9.1.2 MPE CALCULATION METHOD

The power is too low, so no RF calculations are needed.

11. HISTORY

Original Issue Date:	
Report No.:	
■ No additional attachment	
☐ Additional attachment were issued as following record:	

Attachment No.	Issue Date	Description