FCC Radio Test Report

FCC ID: TGN-AN0100

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

Issued Date : Aug. 20, 2009
Project No. : R0907003
Equipment : Wireless 11n AP
Model Name : AN0100

Applicant : TiVo Inc.
Address : 2160 Gold St., Alviso, CA 95002 USA

Tested by:
Neutron Engineering Inc. EMC Laboratory
Date of Test:
Jun. 08, 2009 ~ Aug. 05, 2009

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.**

Neutron's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **Neutron** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **Neutron** issued reports.

Neutron's reports must not be used by the client to claim product endorsement by the authorities or any agency of the Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and **Neutron-self**, extracts from the test report shall not be reproduced except in full with **Neutron**'s authorized written approval.

Neutron's laboratory quality assurance procedures are in compliance with the **ISO Guide 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

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.

Table of Contents Page

Table of Contents Page

1. CERTIFICATION

Equipment : Wireless 11n AP
Brand Name : TiVo
Model Name : AN0100
Applicant : TiVo Inc.
Date of Test : Jun. 08, 2009 ~ Aug. 05, 2009
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-R0907003) 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)(e)	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)This test report covers EUT radio function only. Its receive function testing is covered in another DOC test report: NEI-FCCE-1-R0907003.

(3)This test report only covers radio function 802.11 b, g, n and 802.11a and n (Band IV). Its radio function 802.11a (Band I, II and III) testing is covered in another test report: NEI-FCCP-2-R0907003.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **CB08(FCC R.N.: 614388)** at the location of 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**%。

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U，(dB)	NOTE
C01	ANSI	150 KHz ~ 30MHz	1.94	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U，(dB)	NOTE
OS-01	ANSI	30MHz ~ 200MHz	V	2.86	
		30MHz ~ 200MHz	H	2.56	
		200MHz ~ 1,000MHz	V	2.88	
		200MHz ~ 1,000MHz	H	2.98	
OS-02	ANSI	30MHz ~ 200MHz	V	2.48	
		30MHz ~ 200MHz	H	2.16	
		200MHz ~ 1,000MHz	V	2.50	
		200MHz ~ 1,000MHz	H	2.66	

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

<table>
<tr><td>Equipment</td><td>Wireless 11n AP</td></tr>
<tr><td>Brand Name</td><td>TiVo</td></tr>
<tr><td>Model Name</td><td>AN0100</td></tr>
<tr><td>OEM Brand/Model Name</td><td>N/A</td></tr>
<tr><td>Model Difference</td><td>N/A</td></tr>
<tr><td>Product Description</td><td>The EUT is a Wireless 11n AP.
<table>
<tr><td>Operation Frequency:</td><td>802.11b/g/n: 2412-2462MHz
802.11a/n: 5725-5850MHz</td></tr>
<tr><td>Modulation Type:</td><td>OFDM: BPSK, QPSK, 16QAM and 64QAM
DSSS: DBPSK, DQPSK and CCK
MIMO: HT20 and HT40</td></tr>
<tr><td>Bit Rate of Transmitter:</td><td>802.11a: 6,9,12,18,24,36,48,54Mbps
802.11b: 1, 2, 5.5 and 11Mbps
802.11g: 6,9,12,18,24,36,48,54Mbps
802.11n (MIMO): HT20 up to 130Mbps
HT40 up to 300Mbps</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 Power(Max):</td><td>Please see Note 4.</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>
</table>

Channel List	Please refer to the Note 3.
Power Source	DC Voltage supplied from I.T.E.POWER SUPPLY.
Power Rating	I/P: AC 100-240V 50/60Hz 0.3A / O/P: DC 12V 0.5A
Connecting I/O Port(s)	Please refer to the User's Manual
Products Covered	I.T.E.POWER SUPPLY: UNIFIVE / UN305-1205

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**	05	2432	**09**	**2452**
02	2417	**06**	**2437**	10	2457
03	**2422**	07	2442	**11**	**2462**
04	2427	08	2447		

CH 149, CH 153, CH 157, CH 161, CH 165 for 802.11a, 802.11n(20MHz)
CH 151, CH 159 for 802.11n(40MHz)

Channel List					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	**5745**	**157**	**5785**	**165**	**5825**
151	**5755**	**159**	**5795**		
153	5765	161	5805		

3. Table for Filed Antenna

2.4G

Brand	Model Name	Antenna Type	Connector	Gain (dBi)
N/A	N/A	Printed	On-board	2.04
N/A	N/A	Printed	On-board	1.83

5G

Brand	Model Name	Antenna Type	Connector	Gain (dBi)
N/A	N/A	Printed	On-board	2.67
N/A	N/A	Printed	On-board	1.8

4

For 2.4 GHz Band		**For 5 GHz Band**	
Modulation Type	Max. Peak Power (dBm)	Modulation Type	Max. Peak Power (dBm)
802.11b	20.1	802.11a	22.3
802.11g	25.6	802.11n(20MHz)	25.31
802.11n(20MHz)	28.51	802.11n(40MHz)	25.27
802.11n(40MHz)	28.11		

5 The EUT incorporates MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R)

Modulated type	TX Function
For 2.4 GHz Band	
802.11b	1TX
802.11g	1TX
802.11n(20MHz)	2TX
802.11n(40MHz)	2TX
For 5 GHz Band	
802.11a	1TX
802.11n(20MHz)	2TX
802.11n(40MHz)	2TX

3.2 DESCRIPTION OF TEST MODES

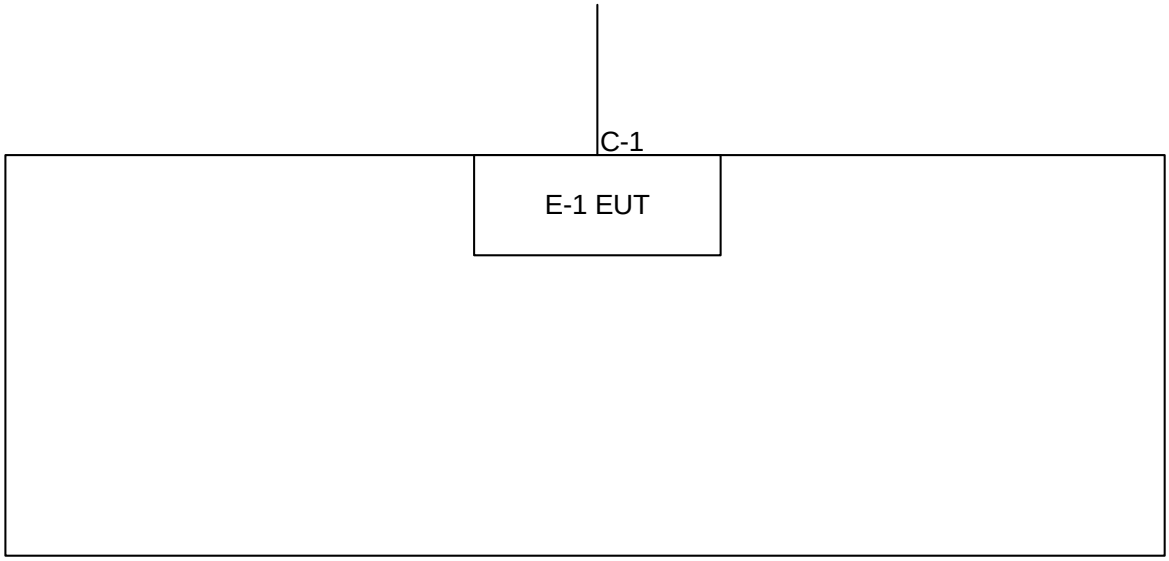
To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration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

Pretest Test Mode	Description
Mode 1	802.11b/CH01, CH06, CH11 (Port 0)
Mode 2	802.11g/CH01, CH06, CH11(Port 0)
Mode 3	802.11n/20M/CH01, CH06, CH11 (Port. 0 + Port. 1)
Mode 4	802.11n/40M/CH03, CH6, CH9 (Port. 0 + Port. 1)
Mode 5	802.11a/CH0149, CH157, CH165 (Port 0)
Mode 6	802.11n/20M/ CH0149, CH157, CH165 (Port. 0 + Port. 1)
Mode 7	802.11n/40M/CH151, CH159 (Port. 0 + Port. 1)

For Conducted Test	
Final Test Mode	Description
Mode 1	802.11b/CH06
Mode 2	802.11a CH157

For Radiated Test	
Final Test Mode	Description
Mode 1	802.11b/CH01, CH06, CH11 (Port 0)
Mode 2	802.11g/CH01, CH06, CH11(Port 0)
Mode 3	802.11n/20M/CH01, CH06, CH11 (Port. 0 + Port. 1)
Mode 4	802.11n/40M/CH03, CH6, CH9 (Port. 0 + Port. 1)
Mode 5	802.11a/CH0149, CH157, CH165 (Port 0)
Mode 6	802.11n/20M/ CH0149, CH157, CH165 (Port. 0 + Port. 1)
Mode 7	802.11n/40M/CH151, CH159 (Port. 0 + Port. 1)

3.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
E-1	Wireless 11n AP	TiVo	AN0100	TGN-AN0100	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	10.0M	RJ-45 Line

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.

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.

4.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Test Cable	N/A	SR03_C_01 &02	N/A	Aug. 19, 2009
2	LISN	EMCO	3816/2	00042991	Jan. 21, 2010
3	Pulse Limiter	Electro-Metrics	EM-7600	112644	Dec. 28, 2009
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 17, 2010

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

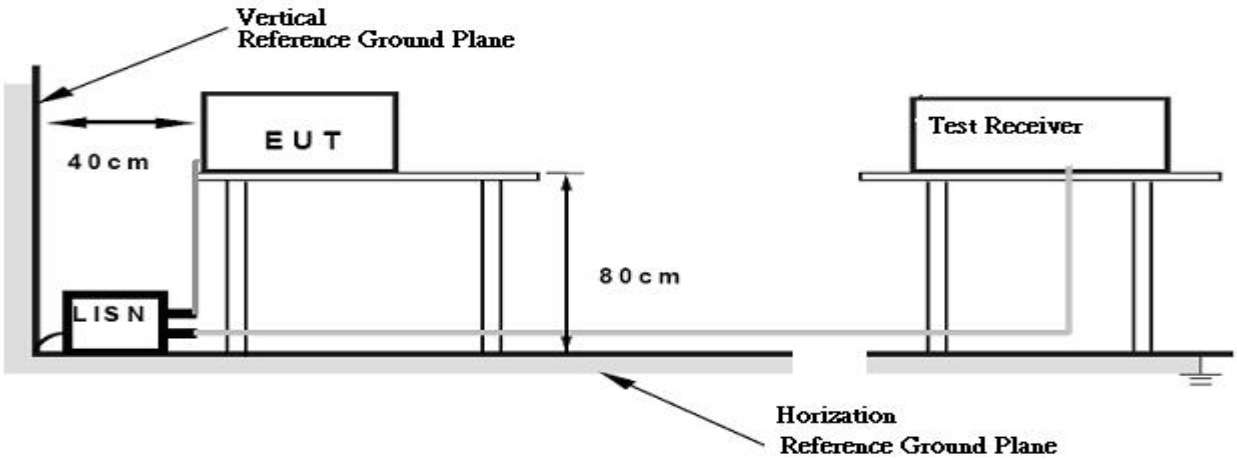
4.1.3 TEST PROCEDURE

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：	Wireless 11n AP	Model Name :	AN0100
Temperature :	28°C	Relative Humidity :	50%
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11b CH6		

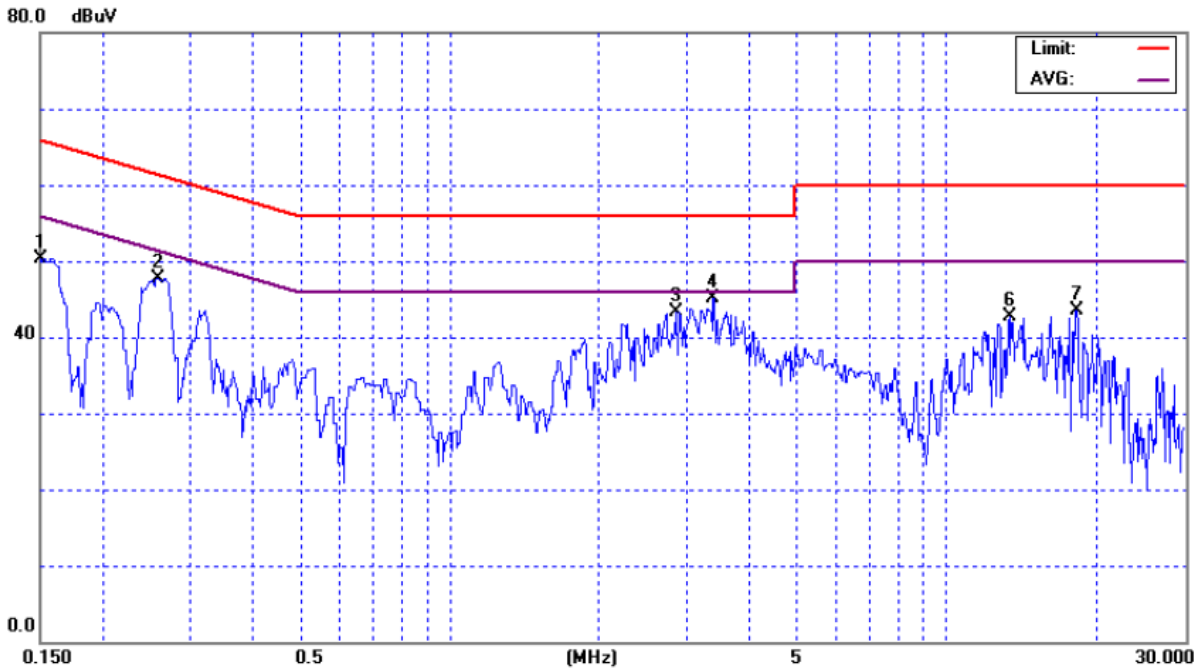
Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
0.15	Line	50.33	*	66.00	56.00	-15.67	(QP)
0.26	Line	47.79	*	61.50	51.50	-13.71	(QP)
2.85	Line	43.27	*	56.00	46.00	-12.73	(QP)
3.40	Line	45.07	26.19	56.00	46.00	-10.93	(QP)
13.40	Line	42.63	*	60.00	50.00	-17.37	(QP)
18.25	Line	43.41	*	60.00	50.00	-16.59	(QP)

Remark

(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz；SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.2 sec./MHz。Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, 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) Measuring frequency range from 150KHz to 30MHz。



E.U.T :	Wireless 11n AP	Model Name :	AN0100
Temperature :	28°C	Relative Humidity :	50%
Test Voltage :	AC 120V/60Hz		
Test Mode :	802.11b CH6		

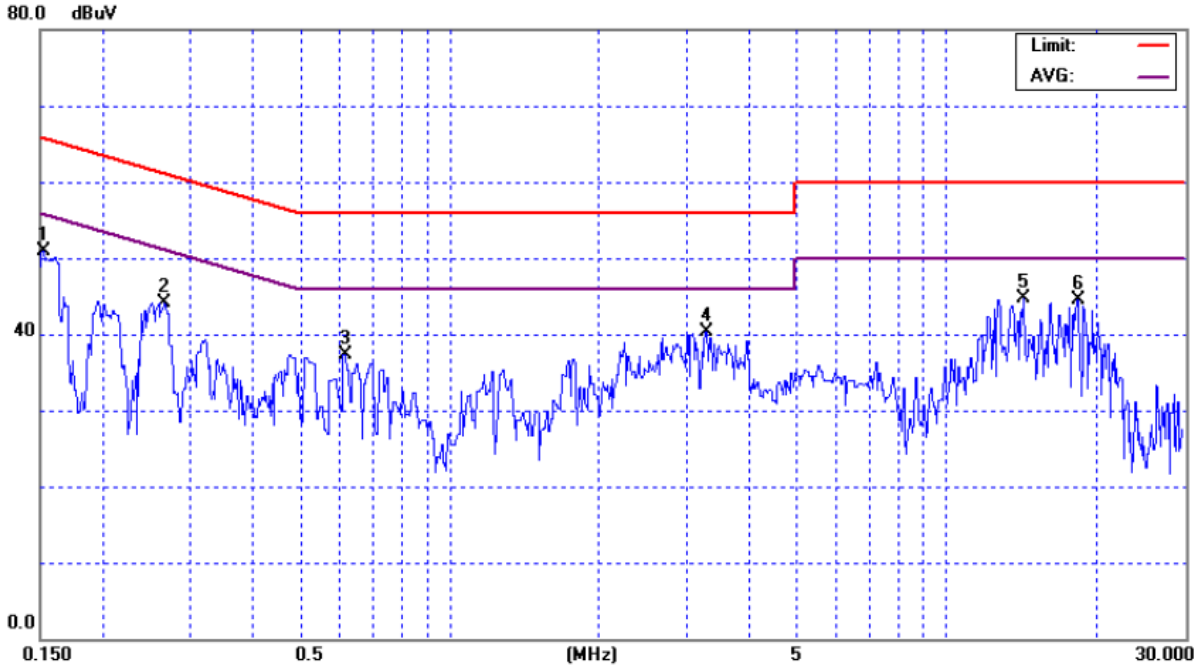
Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
0.15	Neutral	50.85	*	65.88	55.88	-15.03	(QP)
0.27	Neutral	44.15	*	61.21	51.21	-17.06	(QP)
0.62	Neutral	37.32	*	56.00	46.00	-18.68	(QP)
3.28	Neutral	40.40	*	56.00	46.00	-15.60	(QP)
14.35	Neutral	44.66	*	60.00	50.00	-15.34	(QP)
18.35	Neutral	44.47	*	60.00	50.00	-15.53	(QP)

Remark

(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz；SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.2 sec./MHz。Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, 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) Measuring frequency range from 150KHz to 30MHz。



EUT：	Wireless 11n AP	Model Name :	AN0100
Temperature :	28°C	Relative Humidity :	50%
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11a CH157		

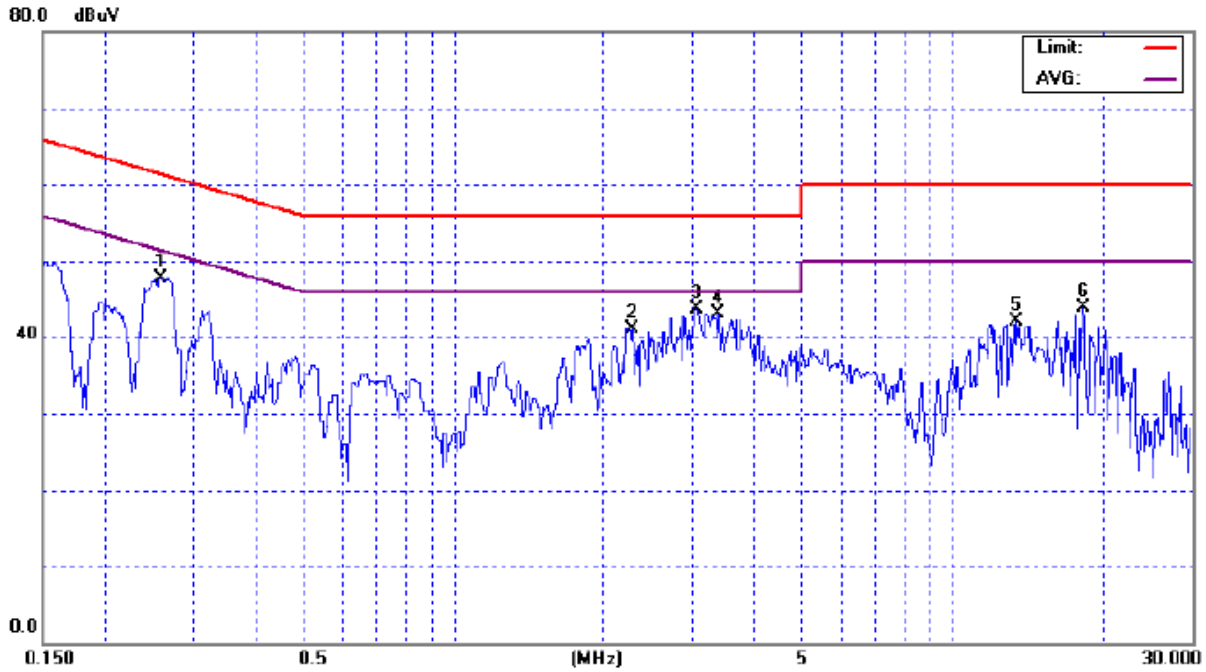
Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
0.26	Line	47.79	*	61.50	51.50	-13.71	(QP)
2.28	Line	41.12	*	56.00	46.00	-14.88	(QP)
3.07	Line	43.71	*	56.00	46.00	-12.29	(QP)
3.40	Line	43.07	*	56.00	46.00	-12.93	(QP)
13.40	Line	42.13	*	60.00	50.00	-17.87	(QP)
18.25	Line	43.91	*	60.00	50.00	-16.09	(QP)

Remark

(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz；SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.2 sec./MHz。Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, 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) Measuring frequency range from 150KHz to 30MHz。



E.U.T :	Wireless 11n AP	Model Name :	AN0100
Temperature :	28°C	Relative Humidity :	50%
Test Voltage :	AC 120V/60Hz		
Test Mode :	802.11a CH157		

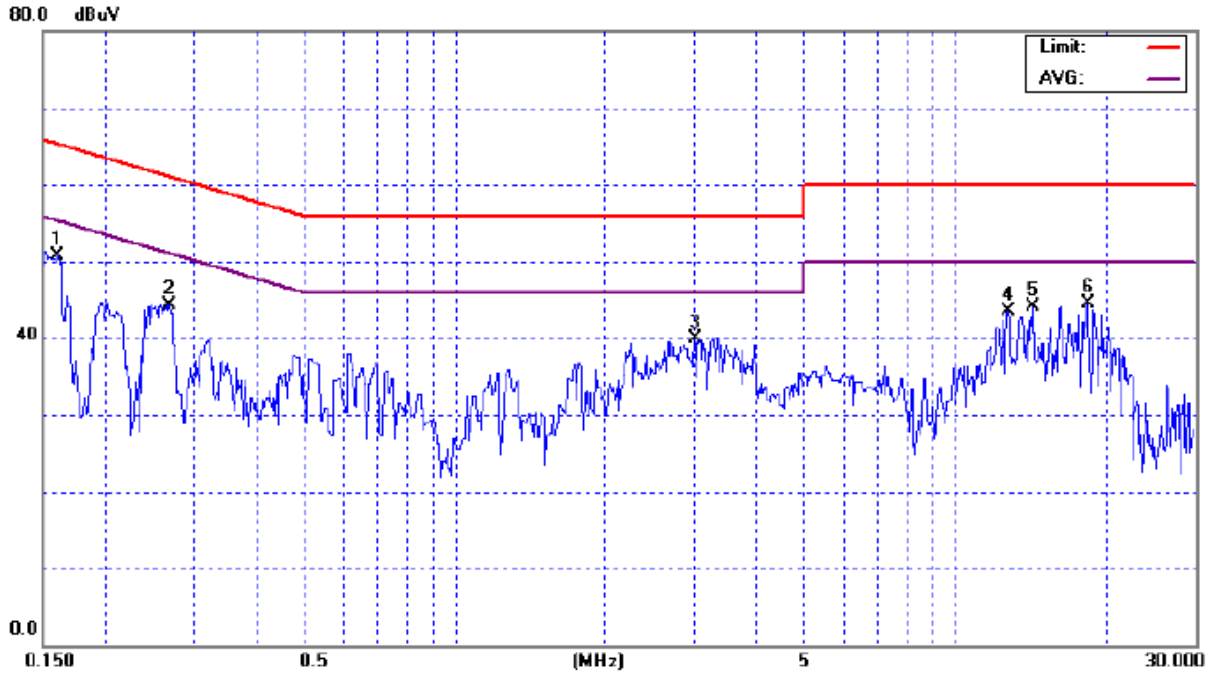
Freq. (MHz)	Terminal L/N	Measured(dBuV)		Limits(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
0.16	Neutral	50.64	*	65.44	55.44	-14.80	(QP)
0.27	Neutral	44.40	*	61.19	51.19	-16.79	(QP)
3.01	Neutral	39.92	*	56.00	46.00	-16.08	(QP)
12.75	Neutral	43.52	*	60.00	50.00	-16.48	(QP)
14.35	Neutral	44.16	*	60.00	50.00	-15.84	(QP)
18.35	Neutral	44.47	*	60.00	50.00	-15.53	(QP)

Remark

(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz；SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.2 sec./MHz。Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, 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) Measuring frequency range from 150KHz to 30MHz。



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).

4.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Sep. 09, 2010
2	Horn Antenna	Schwarzbeck	BBHA 9120 D	546	May 19, 2010
3	Microwave Pre_amplifier	Agilent	8449B	3008A01714	Apr. 20, 2010
4	Microflex Cable	NA	NA	1m	May. 20, 2010
5	Microflex Cable	NA	NA	10M	Mar. 04, 2010
6	Log-Bicon Antenna	Schwarzbeck	VULB 9168	352	Jun. 17, 2010
7	Test Cable	N/A	LMR-400(3M)	N/A	Jun. 18, 2010
8	Test Cable	N/A	LMR-400(12M)	N/A	Jun. 18, 2010
9	Pre-Amplifier	EMC	EMC330	980001	Jun. 03, 2010
10	Turn Table r	Chance Most	CM100	N/A	N/A
11	Positioning Controller	Chance Most	CM100	N/A	N/A

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

4.2.3 TEST PROCEDURE

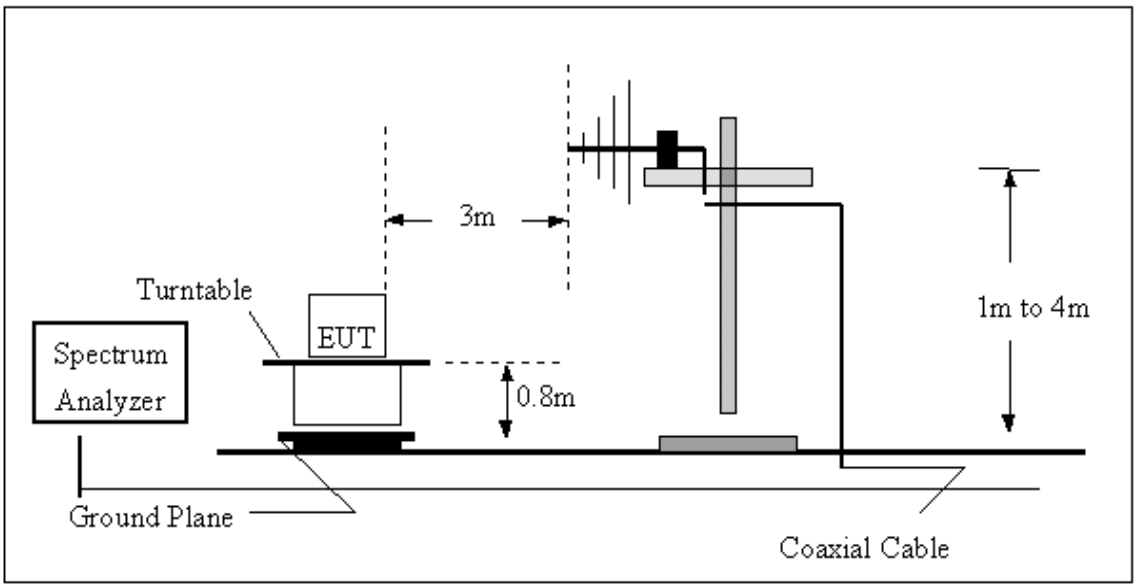
a. The measuring distance of at 10 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m or 10 meter open area test site. The table was 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

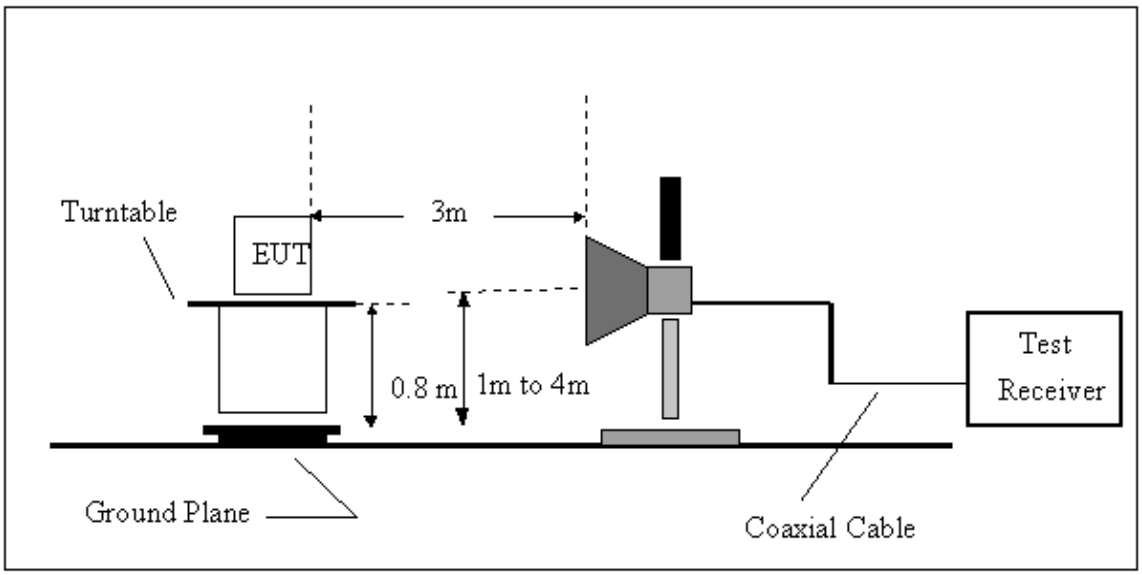
No deviation

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：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	23°C	Relative Humidity：	42%
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11b CH6		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
39.70	V	56.82	-20.27	36.55	40.00	- 3.45	
350.10	V	60.57	-19.42	41.15	46.00	- 4.85	
600.36	V	51.20	-14.17	37.03	46.00	- 8.97	
625.58	V	53.54	-13.76	39.78	46.00	- 6.22	
701.24	V	54.83	-12.54	42.29	46.00	- 3.71	
800.18	V	43.48	-11.30	32.18	46.00	- 13.82	

Remark：

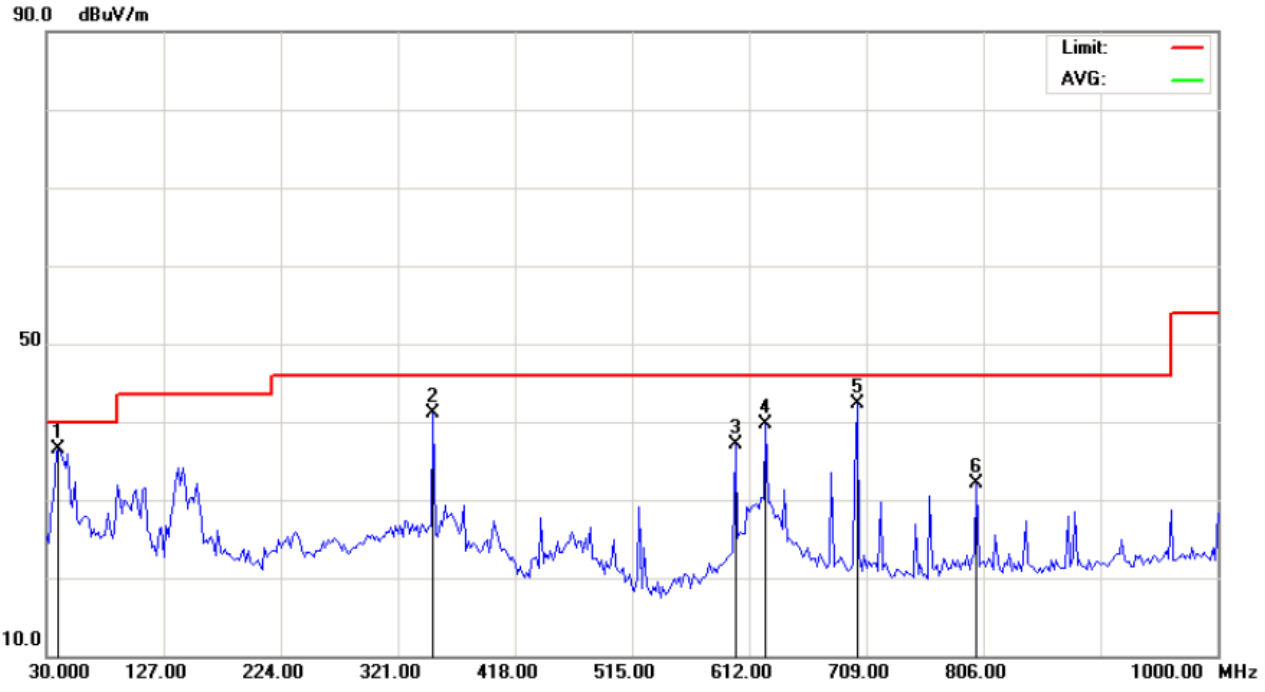
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(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：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	23°C	Relative Humidity：	42%
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11b CH6		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
138.64	H	53.49	-20.48	33.01	43.50	- 10.49	
350.10	H	64.22	-19.42	44.80	46.00	- 1.20	
600.36	H	53.20	-14.17	39.03	46.00	- 6.97	
625.58	H	54.08	-13.76	40.32	46.00	- 5.68	
701.24	H	53.68	-12.54	41.14	46.00	- 4.86	
755.56	H	53.05	-11.82	41.23	46.00	- 4.77	

Remark：

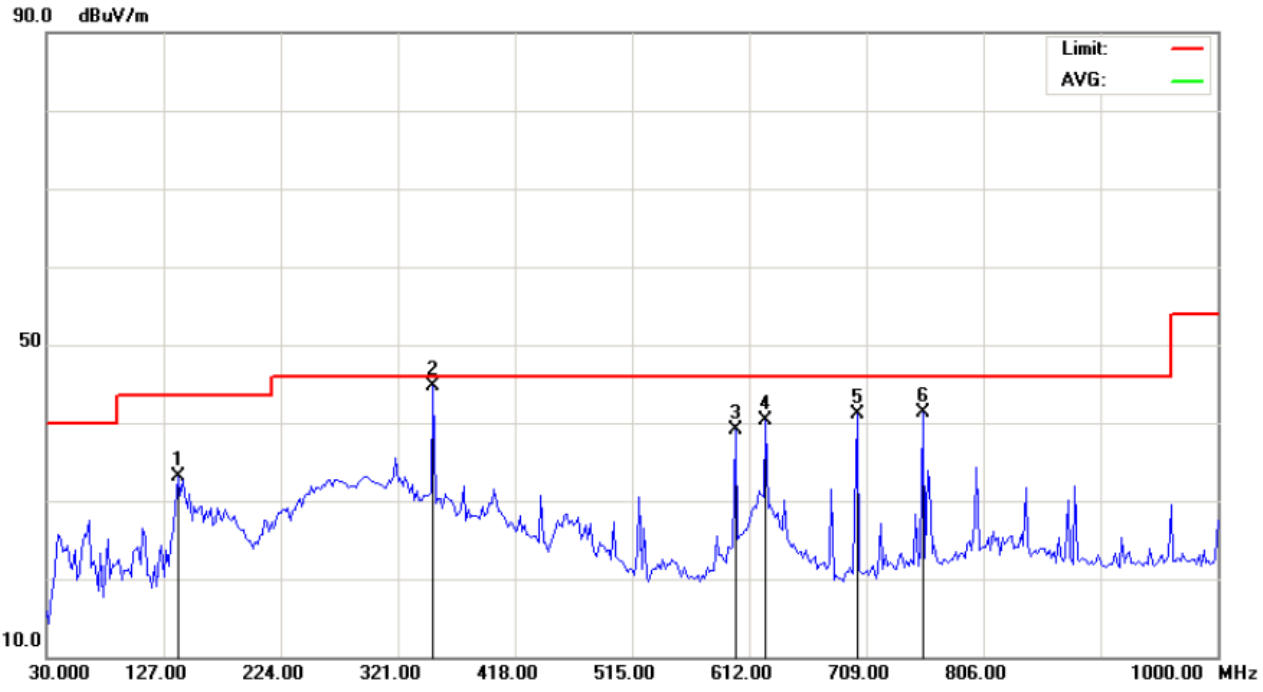
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(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.



EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity：	44%
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11a CH157		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
80.44	V	63.60	-24.90	38.70	40.00	- 1.30	
249.22	V	55.67	-22.00	33.67	46.00	- 12.33	
365.62	V	56.19	-19.09	37.10	46.00	- 8.90	
433.52	V	54.48	-17.37	37.11	46.00	- 8.89	
528.58	V	52.45	-15.70	36.75	46.00	- 9.25	
701.24	V	48.42	-12.54	35.88	46.00	- 10.12	

Remark：

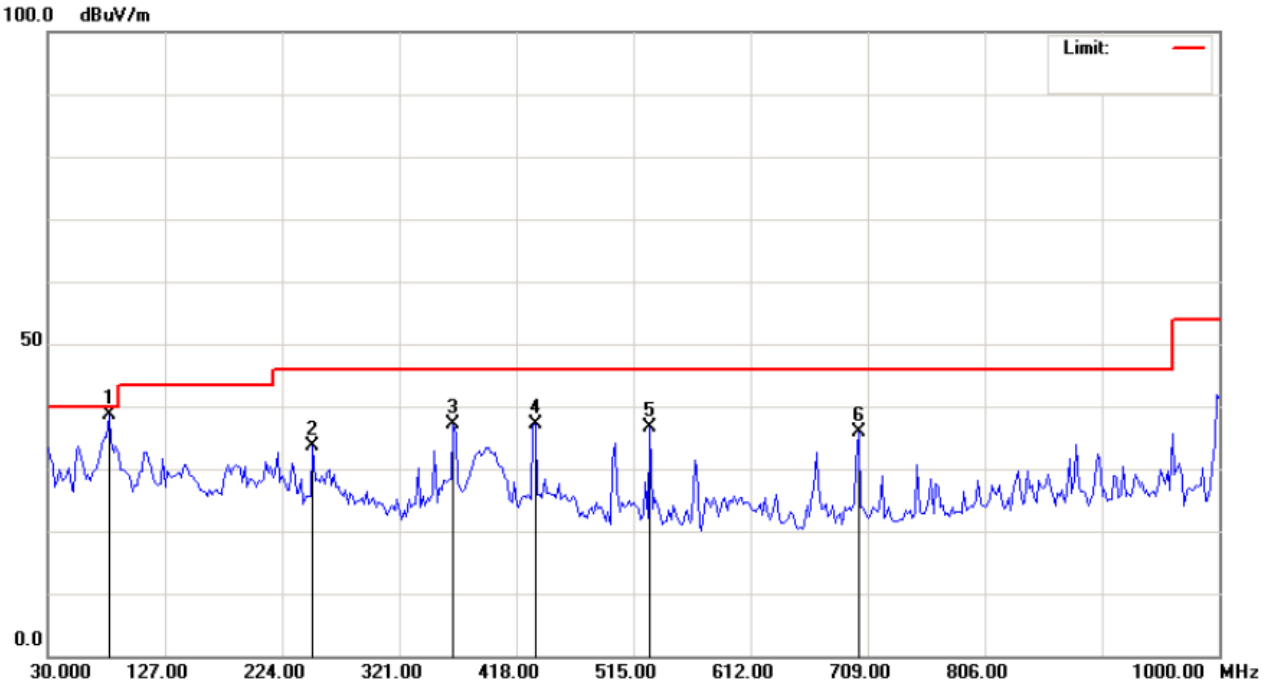
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(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：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity：	44%
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11a CH157		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
76.56	H	61.64	-24.38	37.26	40.00	- 2.74	
249.22	H	64.74	-22.00	42.74	46.00	- 3.26	
350.10	H	60.16	-19.42	40.74	46.00	- 5.26	
365.62	H	62.00	-19.09	42.91	46.00	- 3.09	
499.48	H	54.45	-16.30	38.15	46.00	- 7.85	
701.24	H	51.22	-12.54	38.68	46.00	- 7.32	

Remark：

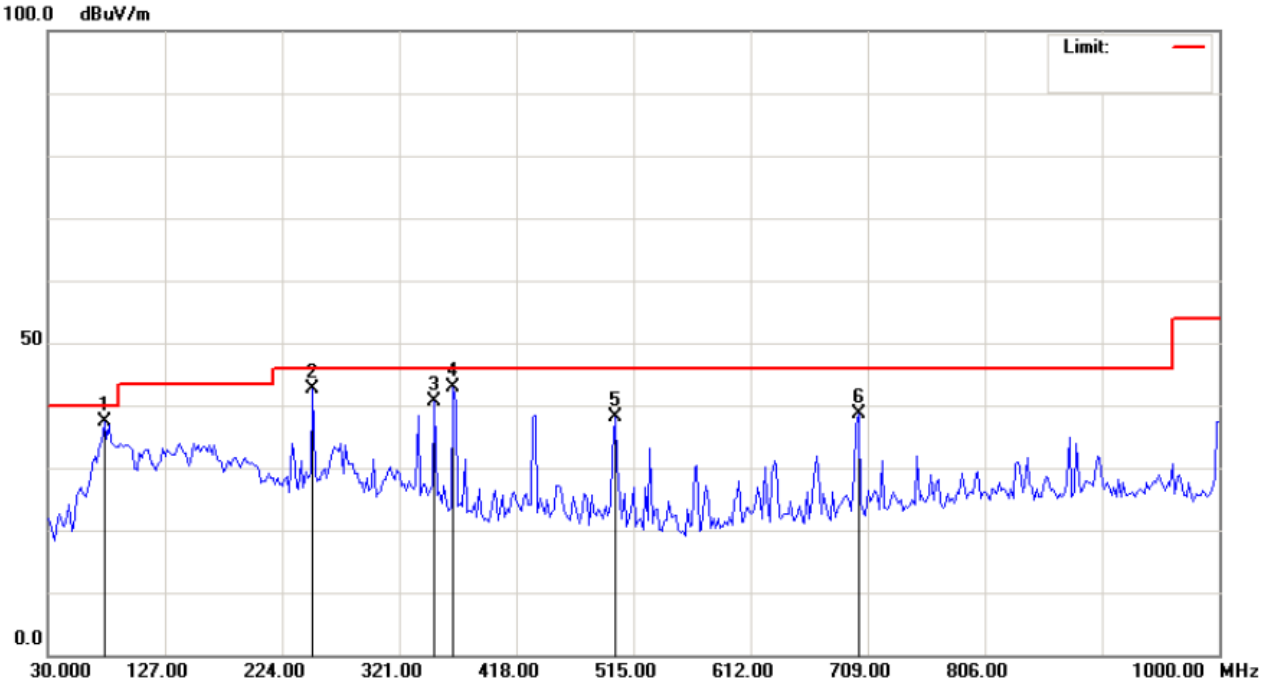
(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto

(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：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11b/CH01		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2385.60	V	24.14	5.91	32.37	56.51	38.28	74.00	54.00	Y/E
2414.80	V	74.60	70.47	32.48	107.08	102.95			Y/F
4823.96	V	45.63	35.71	4.44	50.07	40.15	74.00	54.00	Y/H
7236.03	V	45.37	32.69	10.76	56.13	43.45	74.00	54.00	Y/H

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 。

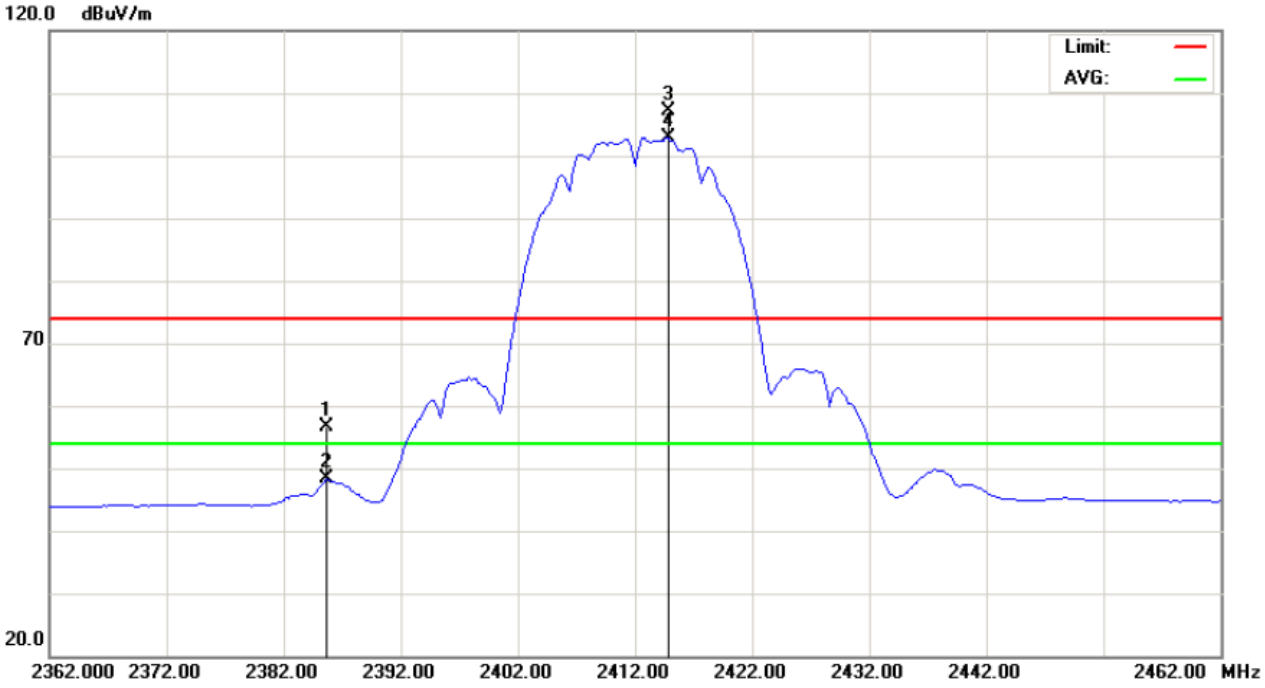
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

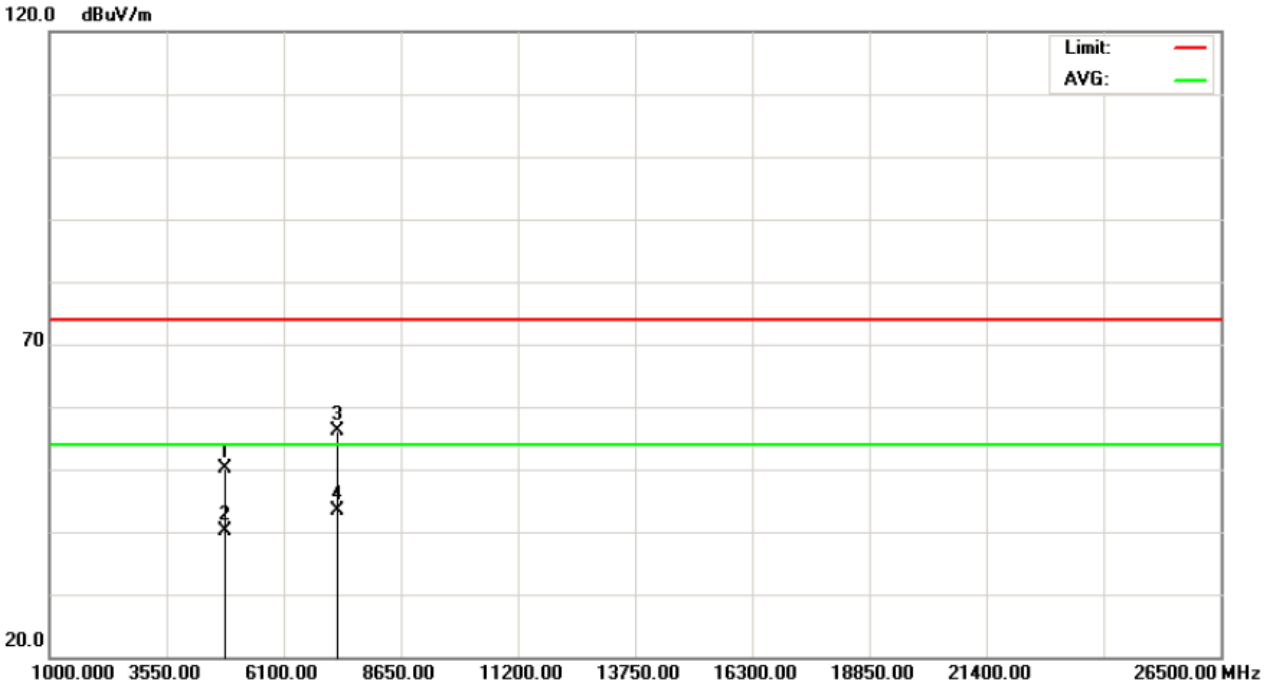
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11b/CH01(Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11b/CH01		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2386.40	H	26.90	18.07	32.37	59.27	50.44	74.00	54.00	Y/E
2414.80	H	76.63	72.37	32.48	109.11	104.85			Y/F
4823.88	H	41.85	31.94	4.44	46.29	36.38	74.00	54.00	Y/H
7235.99	H	45.21	32.56	10.76	55.97	43.32	74.00	54.00	Y/H

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 。

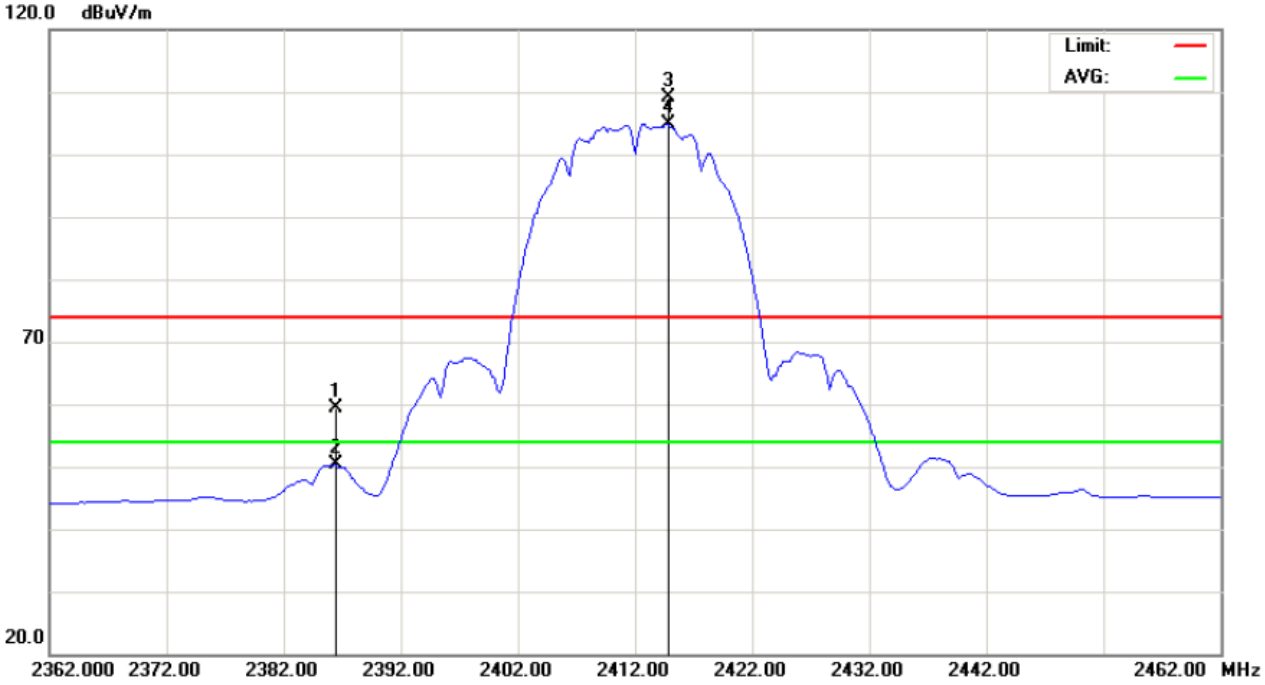
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

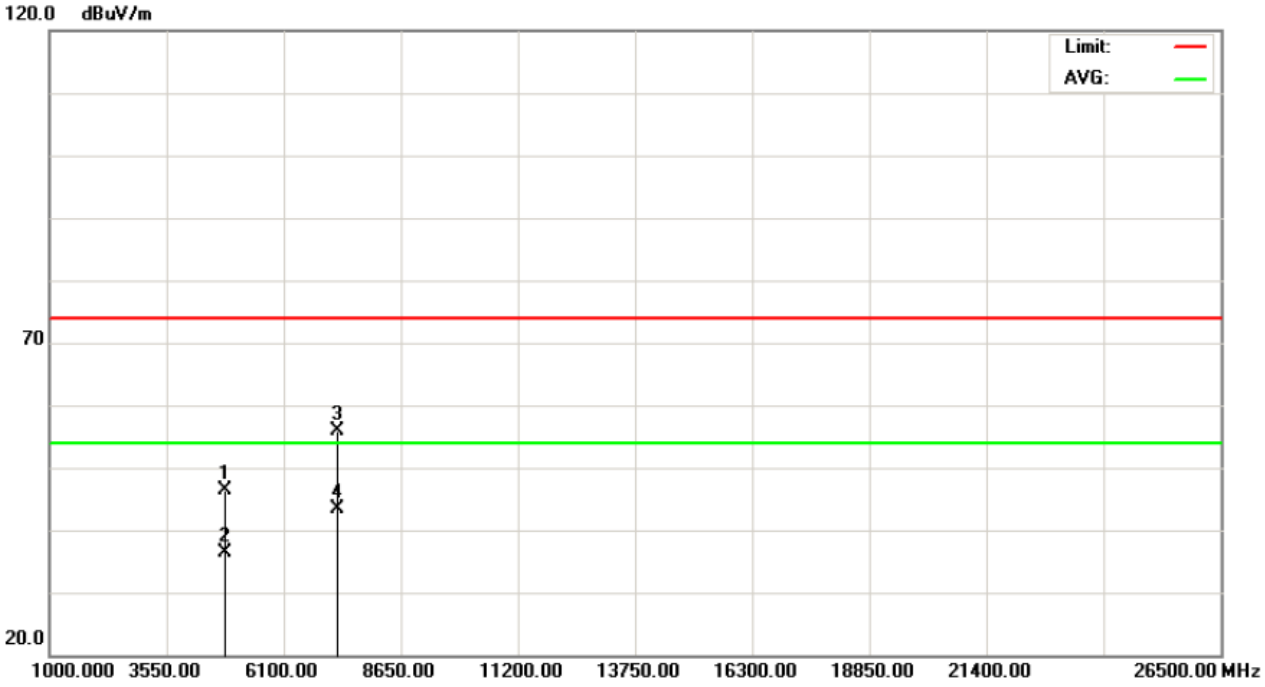
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11b/CH01(Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11b/CH06		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2439.80	V	73.68	69.95	32.57	106.25	102.52			Y/F
4874.01	V	45.80	37.54	4.57	50.37	42.11	74.00	54.00	Y/H
7313.80	V	46.20	36.42	10.98	57.18	47.40	74.00	54.00	Y/H

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 。

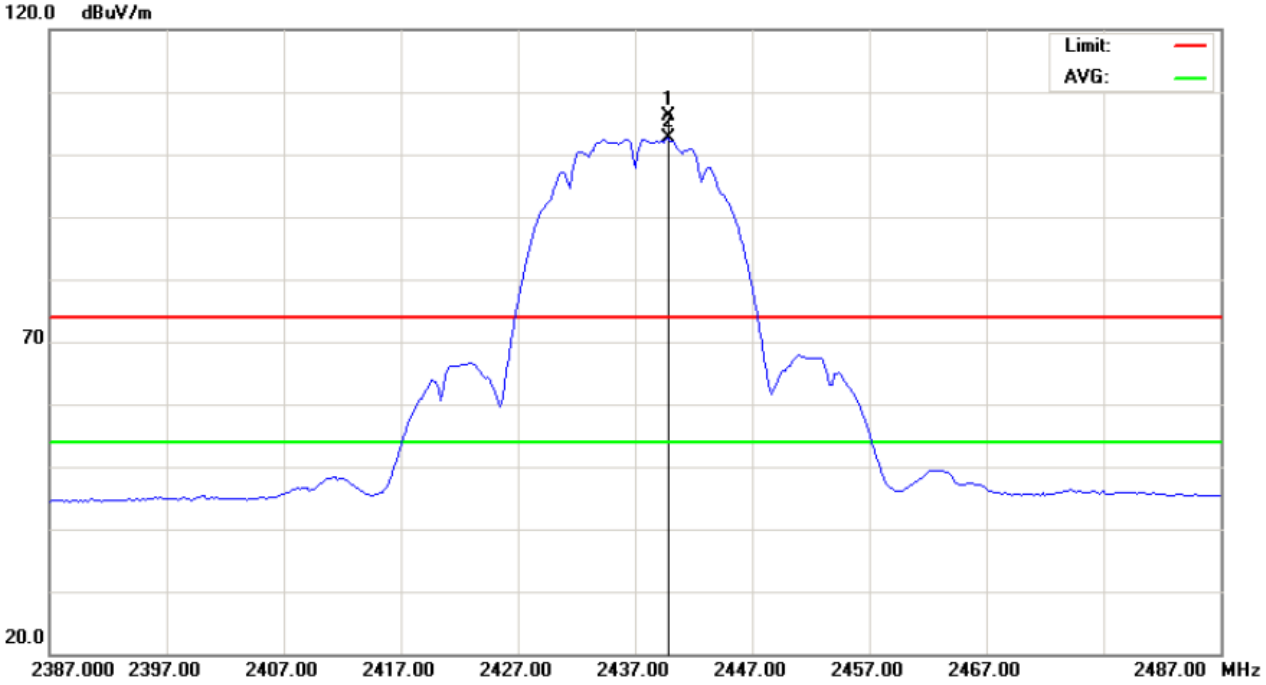
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

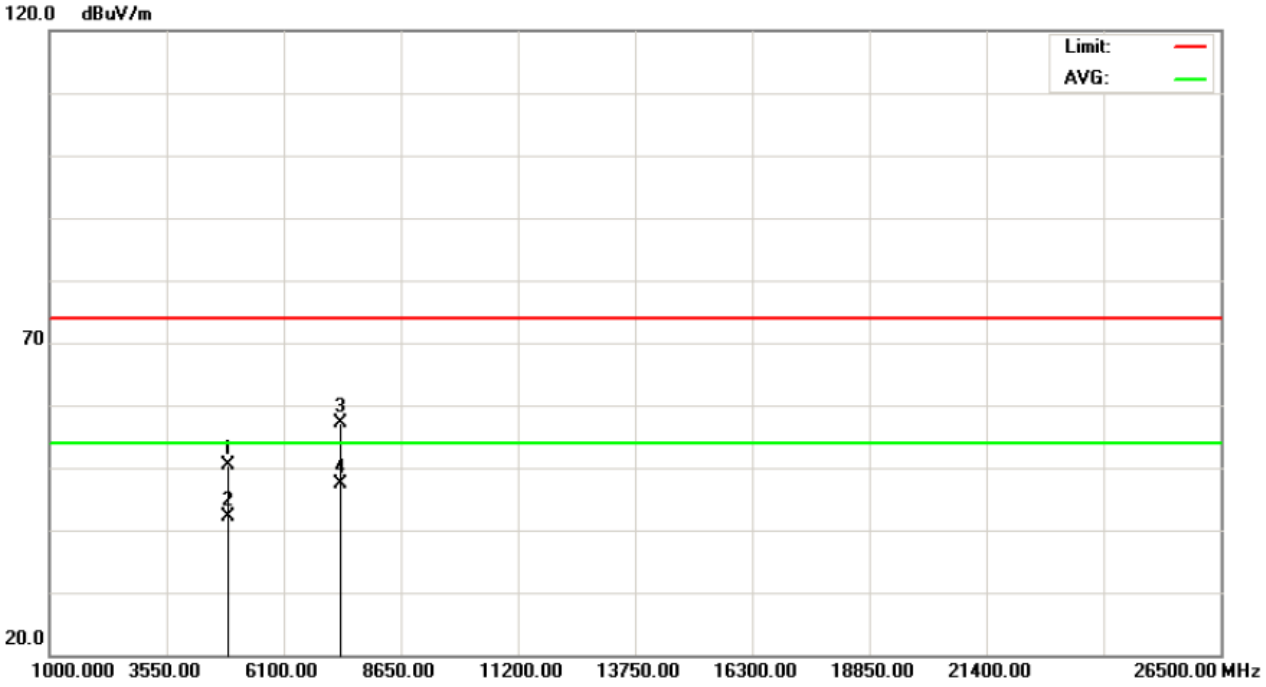
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11b/CH06(Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11b/CH06		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2434.40	H	75.45	71.80	32.55	108.00	104.35			Y/F
4873.95	H	43.29	31.89	4.57	47.86	36.46	74.00	54.00	Y/H
7313.88	H	44.28	32.69	10.98	55.26	43.67	74.00	54.00	Y/H

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 。

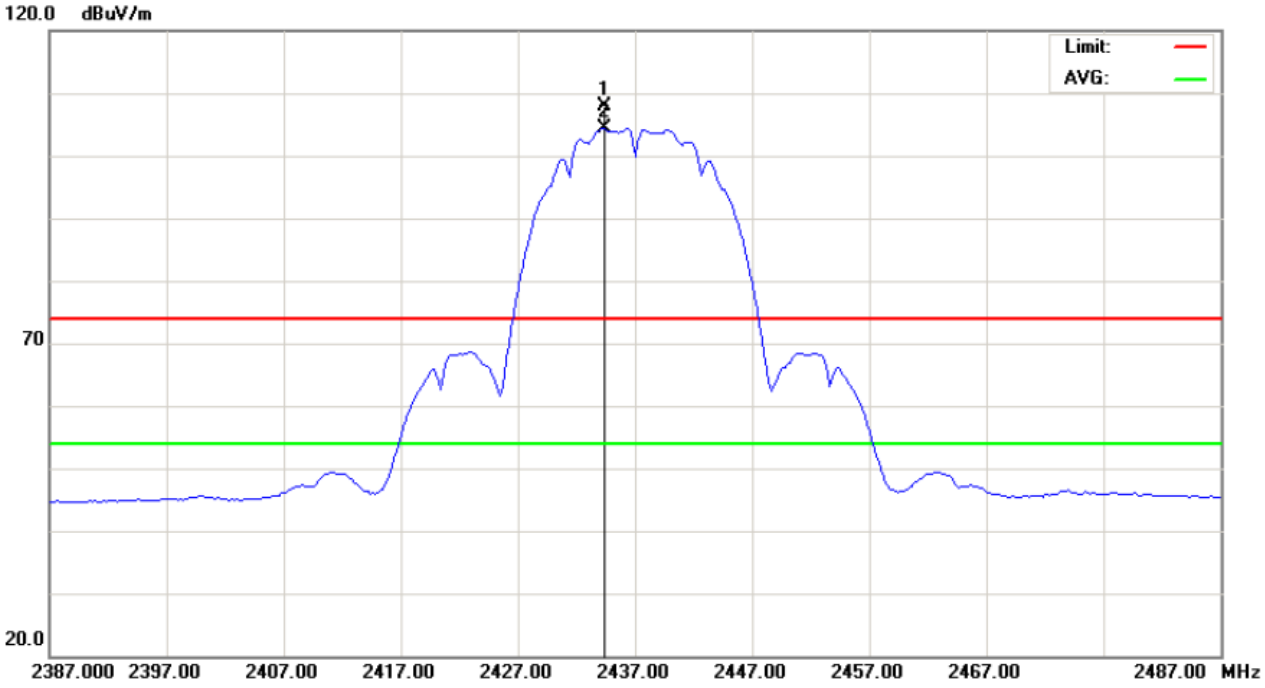
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

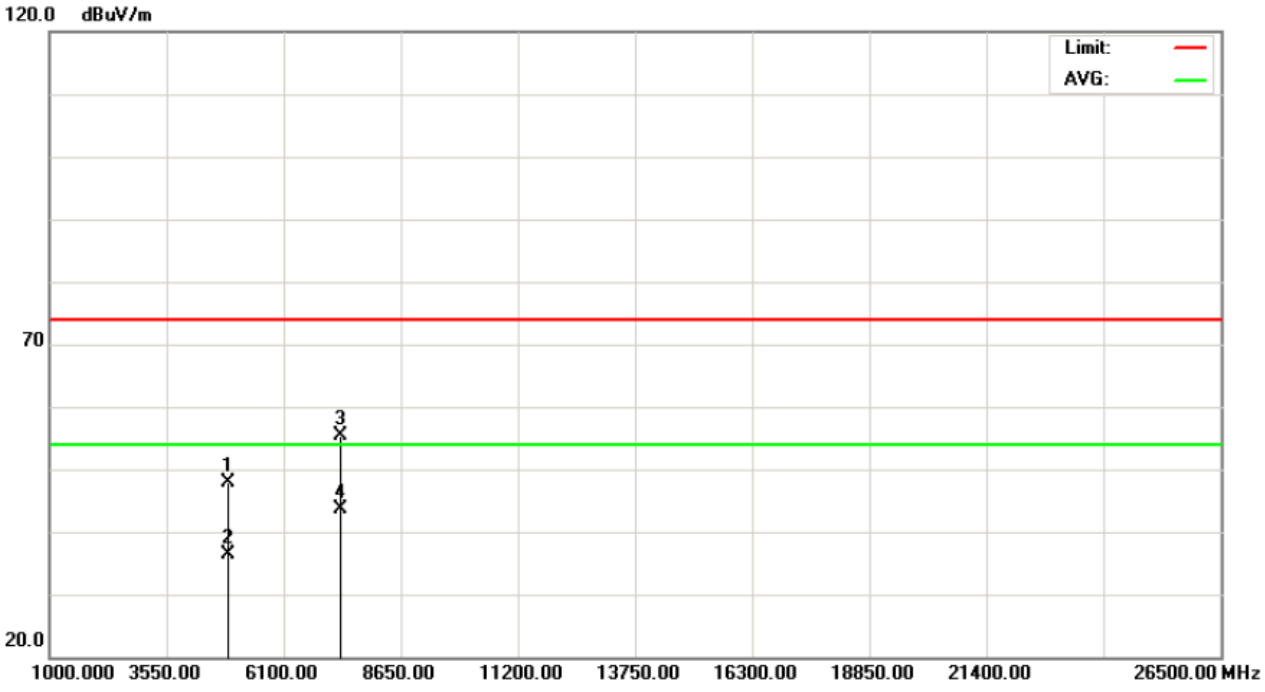
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11b/CH06(Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11b/CH11		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2461.20	V	75.15	71.12	32.65	107.80	103.77			Y/F
2487.80	V	28.44	17.24	32.75	61.19	49.99	74.00	54.00	Y/E
4924.00	V	46.25	39.34	4.70	50.95	44.04	74.00	54.00	Y/H
7385.88	V	44.96	32.15	11.18	56.14	43.33	74.00	54.00	Y/H

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 。

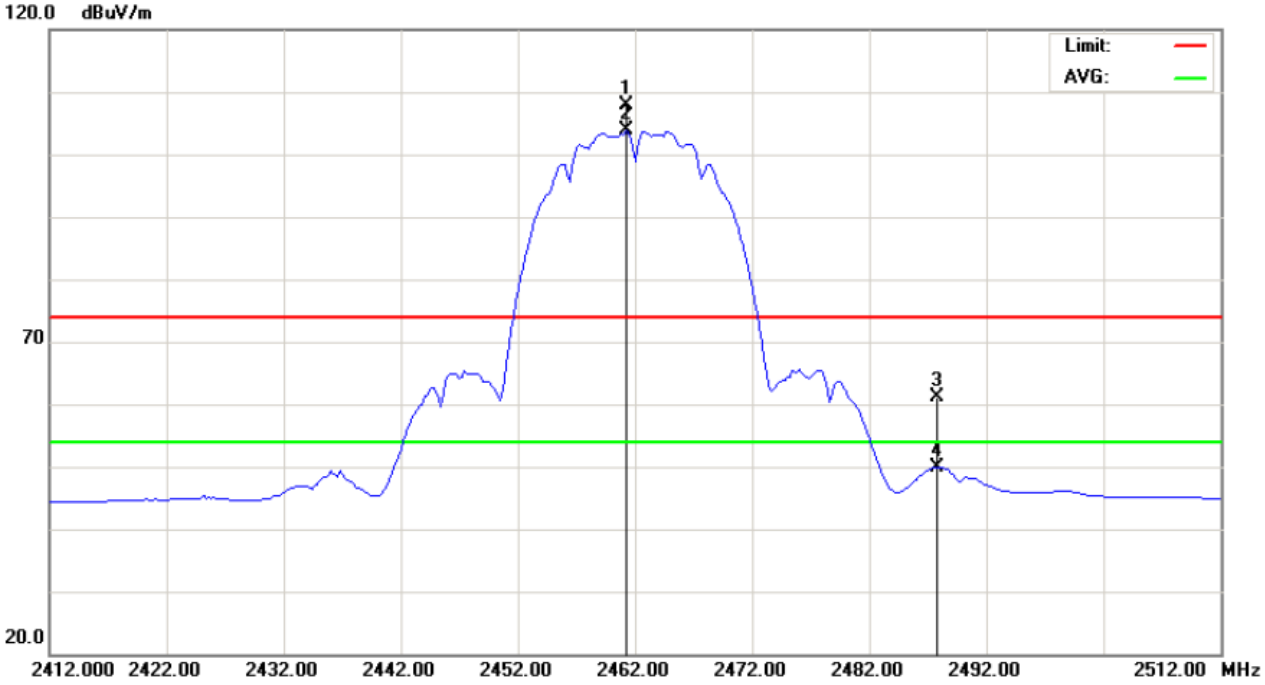
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

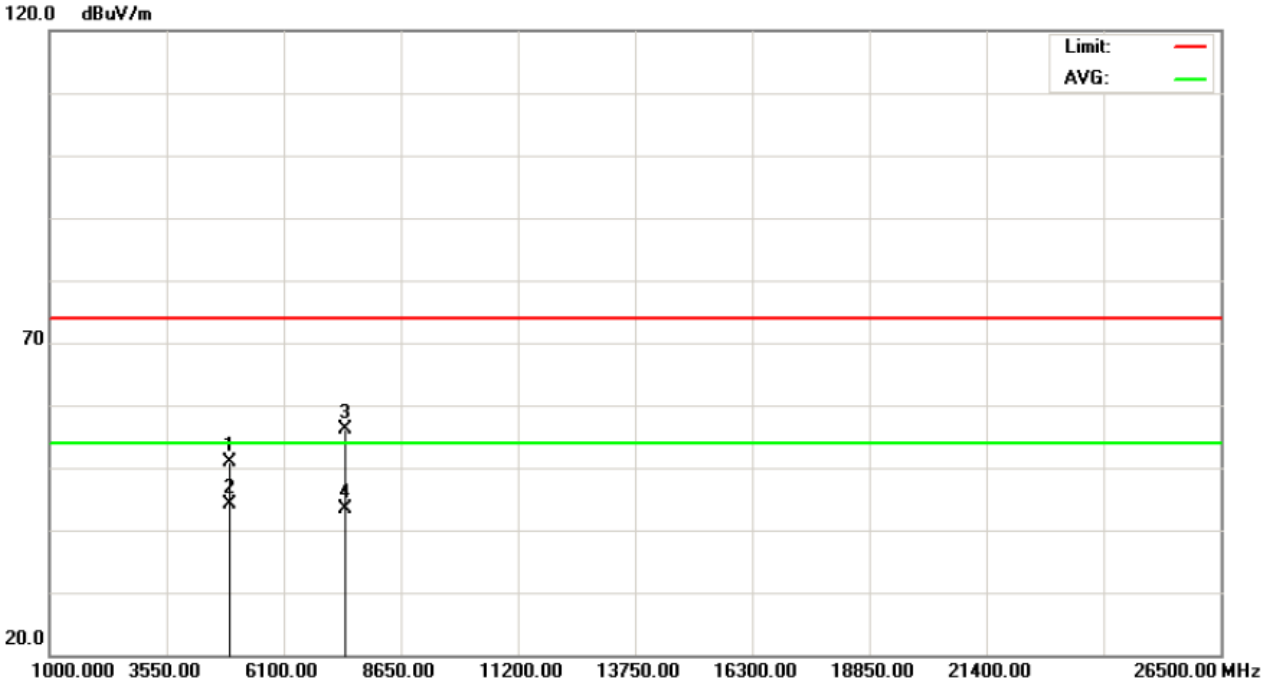
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11b/CH11(Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11b/CH11		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2462.80	H	76.72	72.46	32.66	109.38	105.12			Y/F
2487.70	H	25.95	17.35	32.75	58.70	50.10	74.00	54.00	Y/E
4923.88	H	44.29	34.54	4.70	48.99	39.24	74.00	54.00	Y/H
7386.04	H	44.57	32.56	11.18	55.75	43.74	74.00	54.00	Y/H

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 。

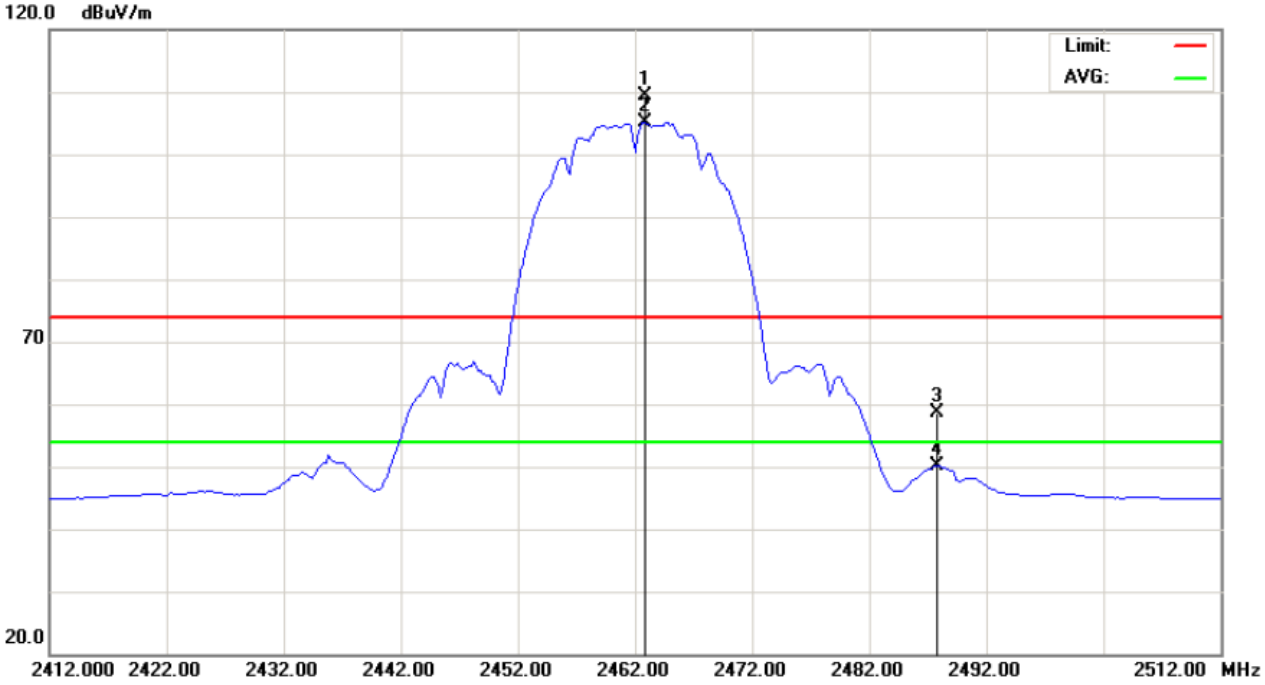
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

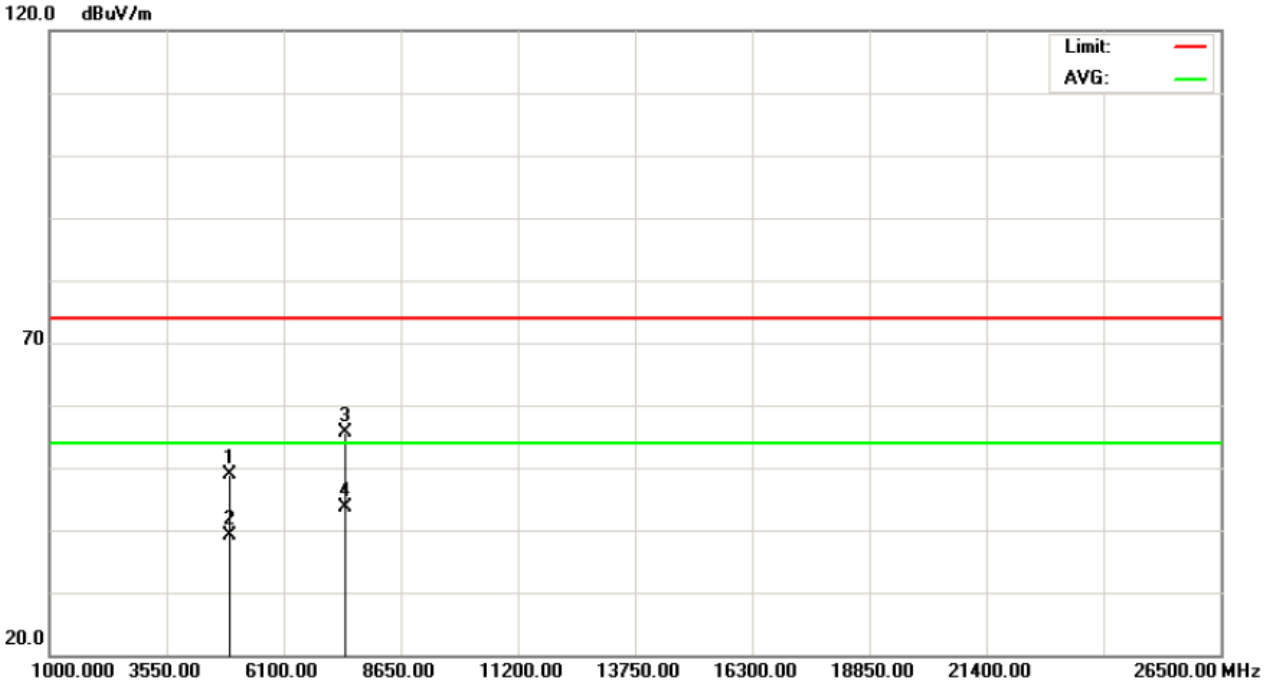
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11b/CH11(Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11g/CH01		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	V	29.96	16.73	32.38	62.34	49.11	74.00	54.00	Y/E
2417.40	V	74.91	66.06	32.49	107.40	98.55			Y/F
4824.08	V	42.76	33.39	4.44	47.20	37.83	74.00	54.00	Y/H
7236.08	V	43.90	31.54	10.76	54.66	42.30	74.00	54.00	Y/H

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 。

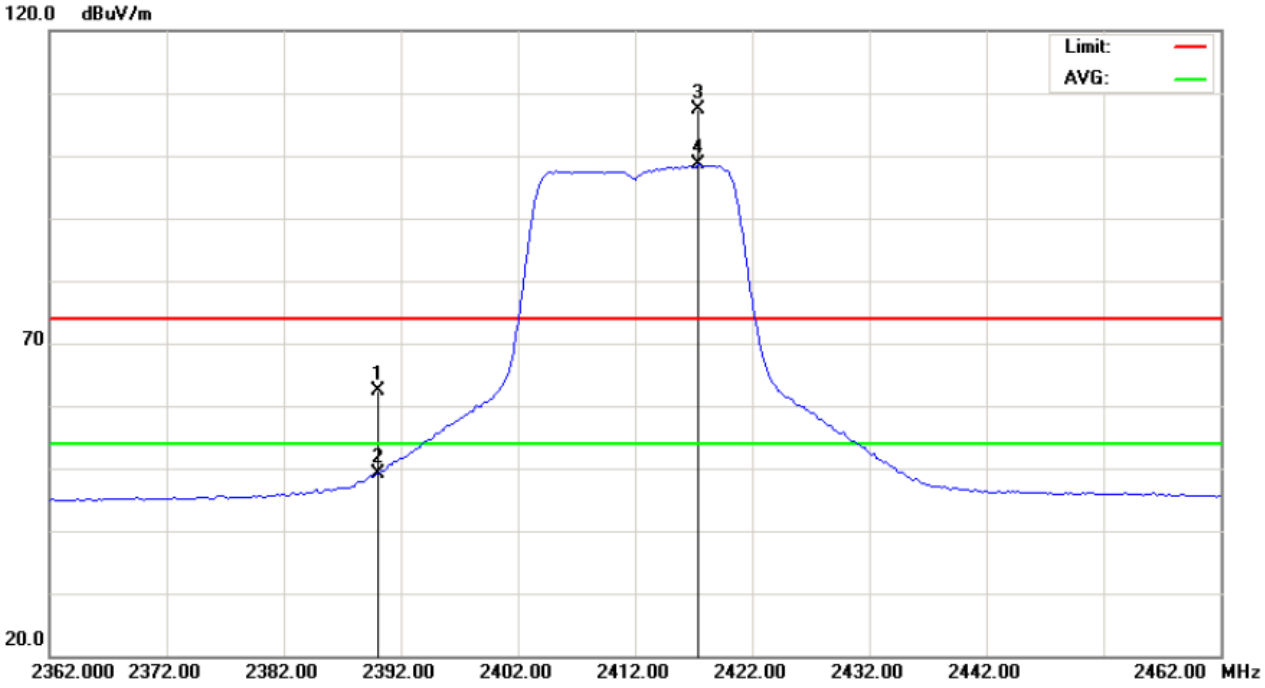
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

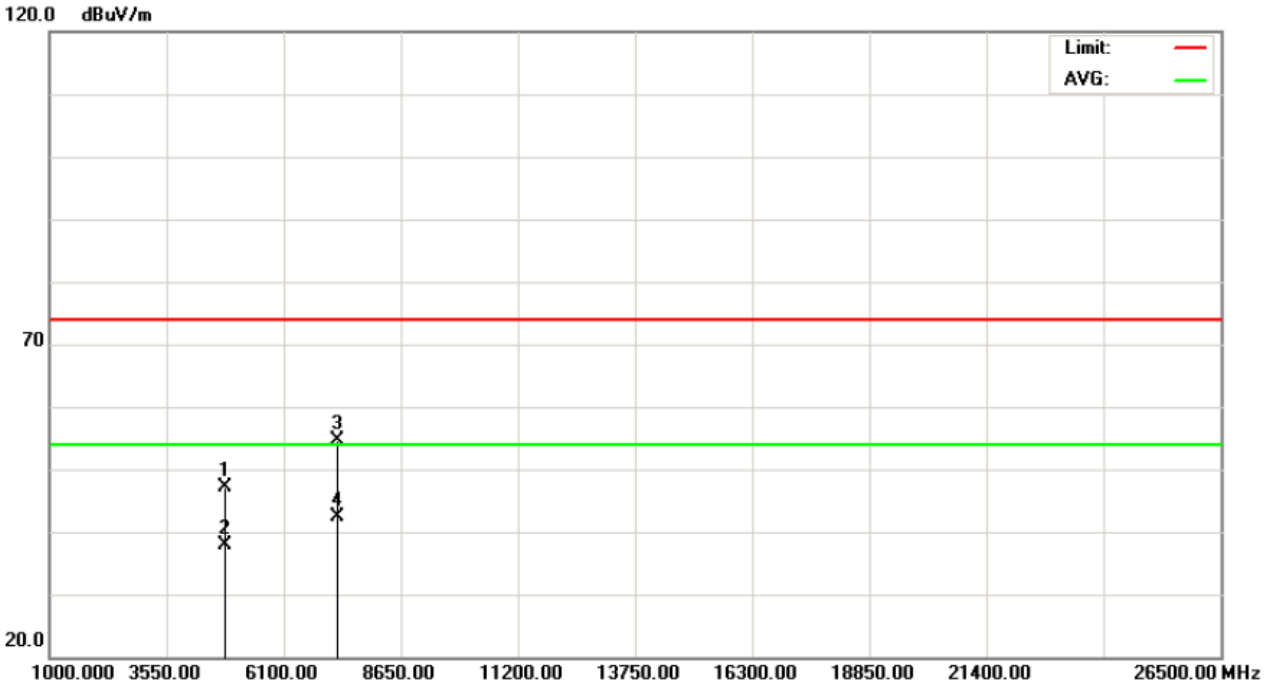
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11g/CH01(Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11g/CH01		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	H	29.45	16.67	32.38	61.83	49.05	74.00	54.00	Y/E
2414.20	H	73.02	64.94	32.47	105.49	97.41			Y/F
4824.00	H	42.23	31.60	4.44	46.67	36.04	74.00	54.00	Y/H
7235.96	H	43.43	31.41	10.76	54.19	42.17	74.00	54.00	Y/H

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 。

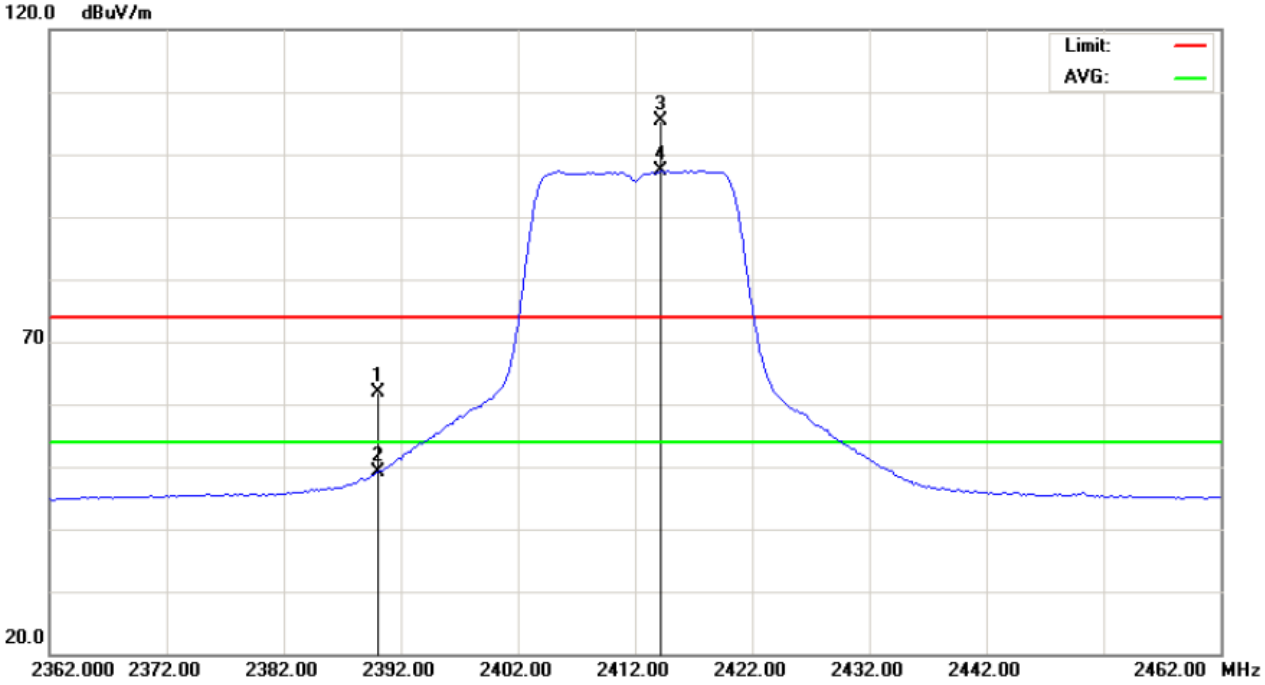
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

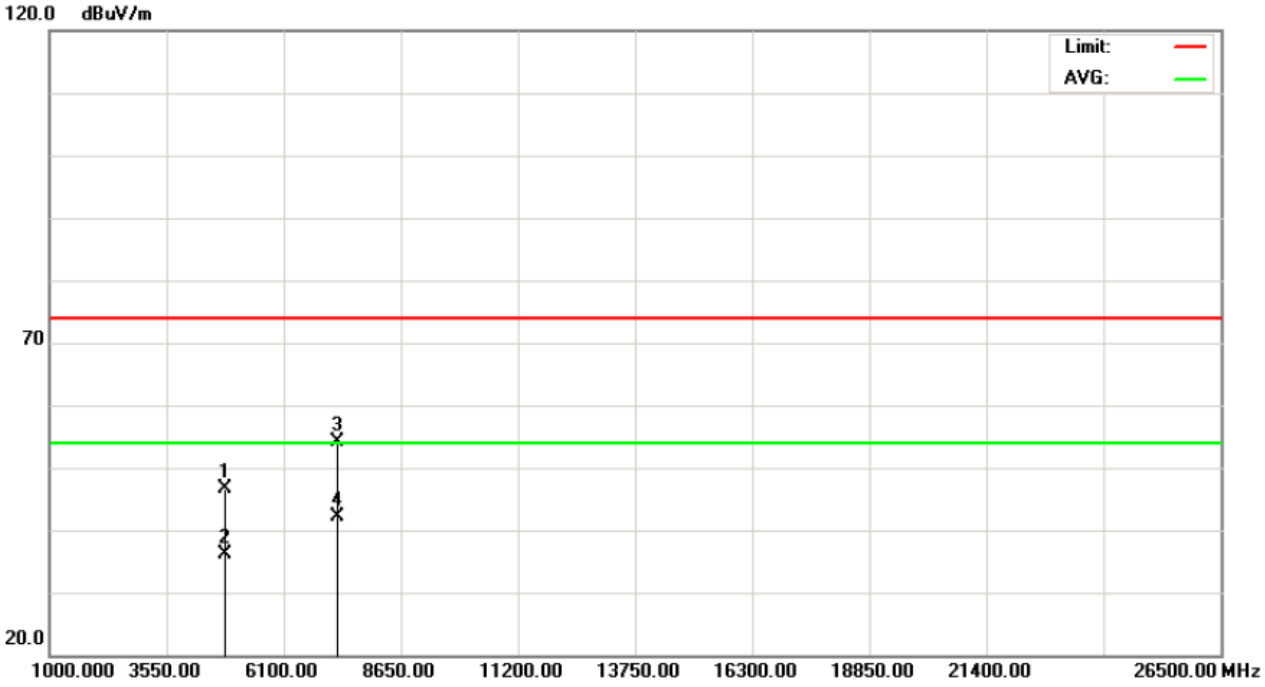
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11g/CH01(Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11g/CH06		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2442.60	V	76.44	67.22	32.58	109.02	99.80			Y/F
4873.60	V	43.24	31.38	4.57	47.81	35.95	74.00	54.00	Y/H
7311.00	V	45.22	33.44	10.97	56.19	44.41	74.00	54.00	Y/H

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 。

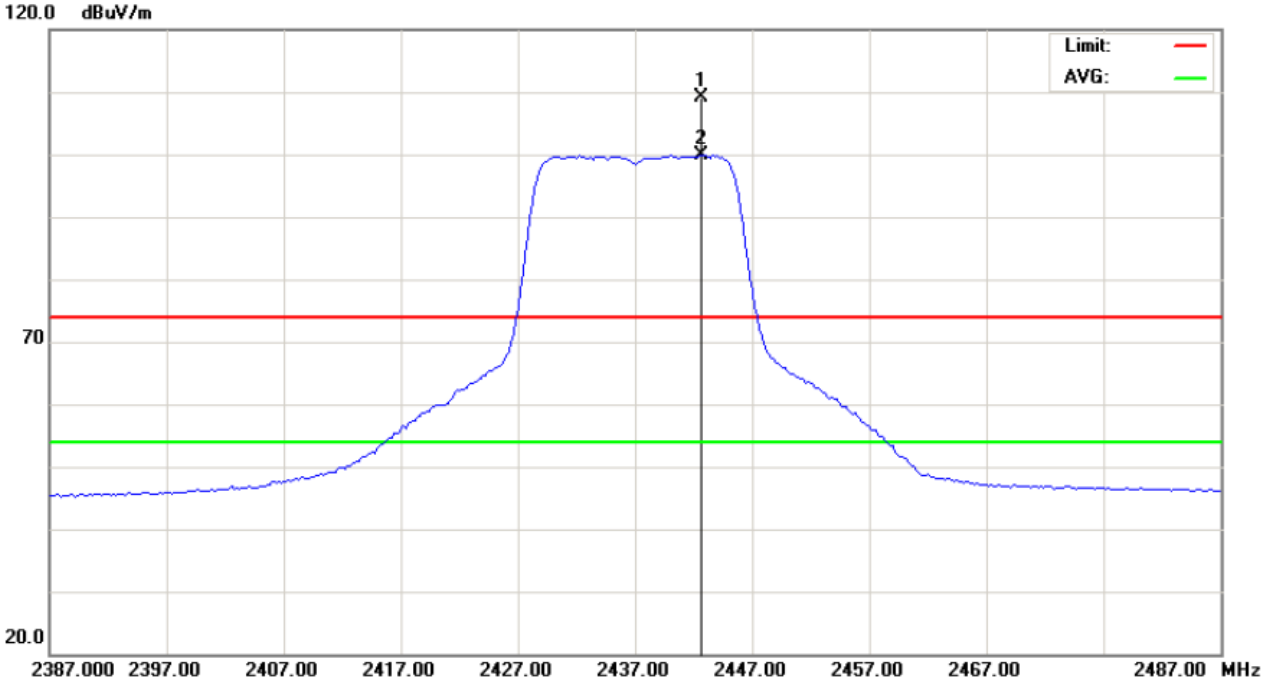
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

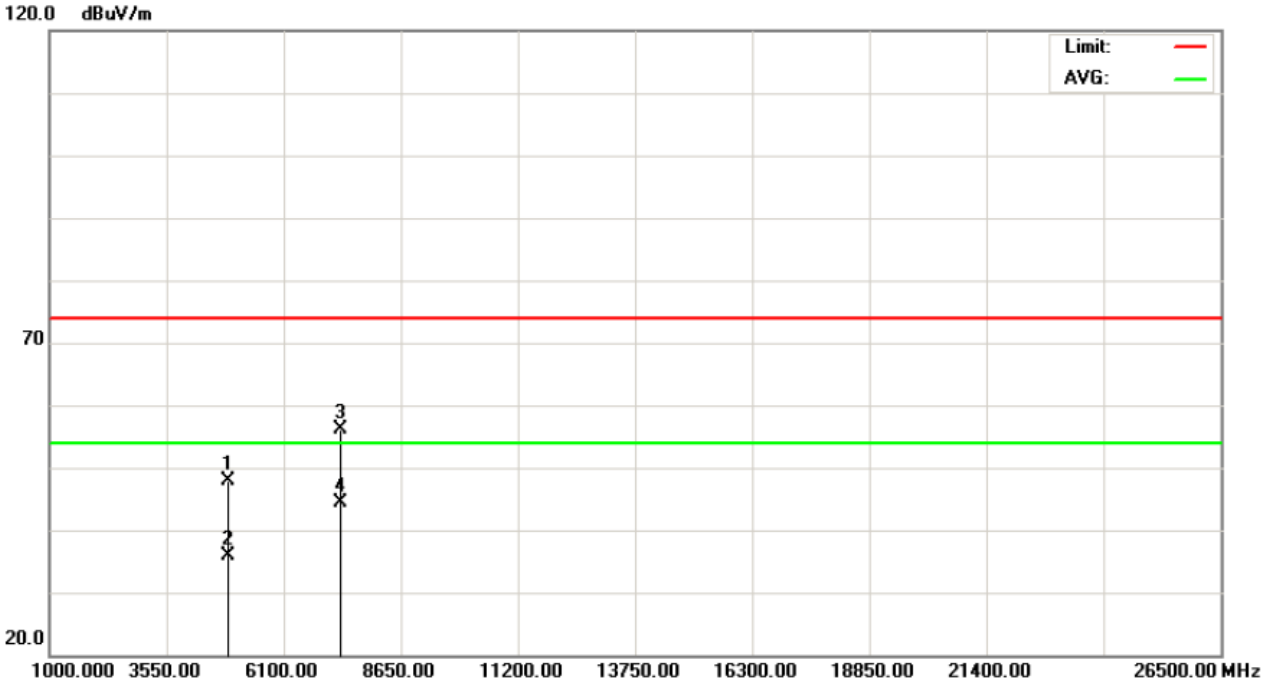
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11g/CH06(Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11g/CH06		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2430.00	H	77.44	68.43	32.53	109.97	100.96			Y/F
4874.20	H	46.52	32.45	4.57	51.09	37.02	74.00	54.00	Y/H
7310.80	H	44.09	31.81	10.97	55.06	42.78	74.00	54.00	Y/H

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 。

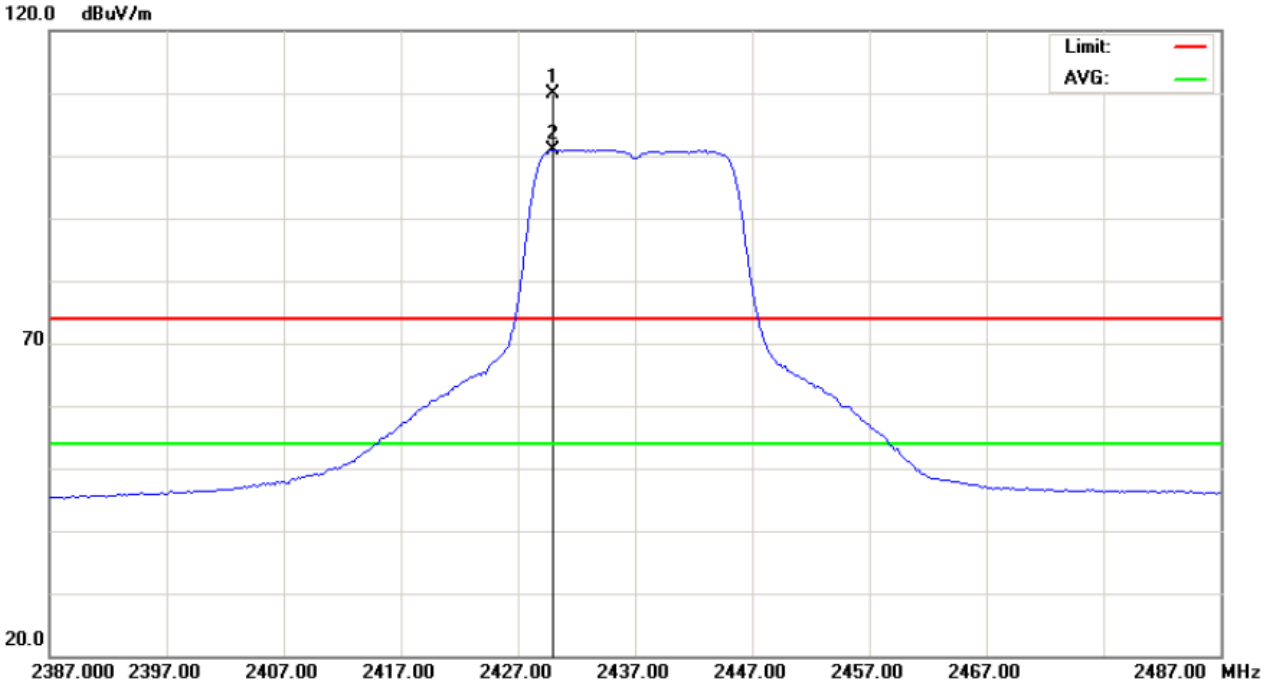
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

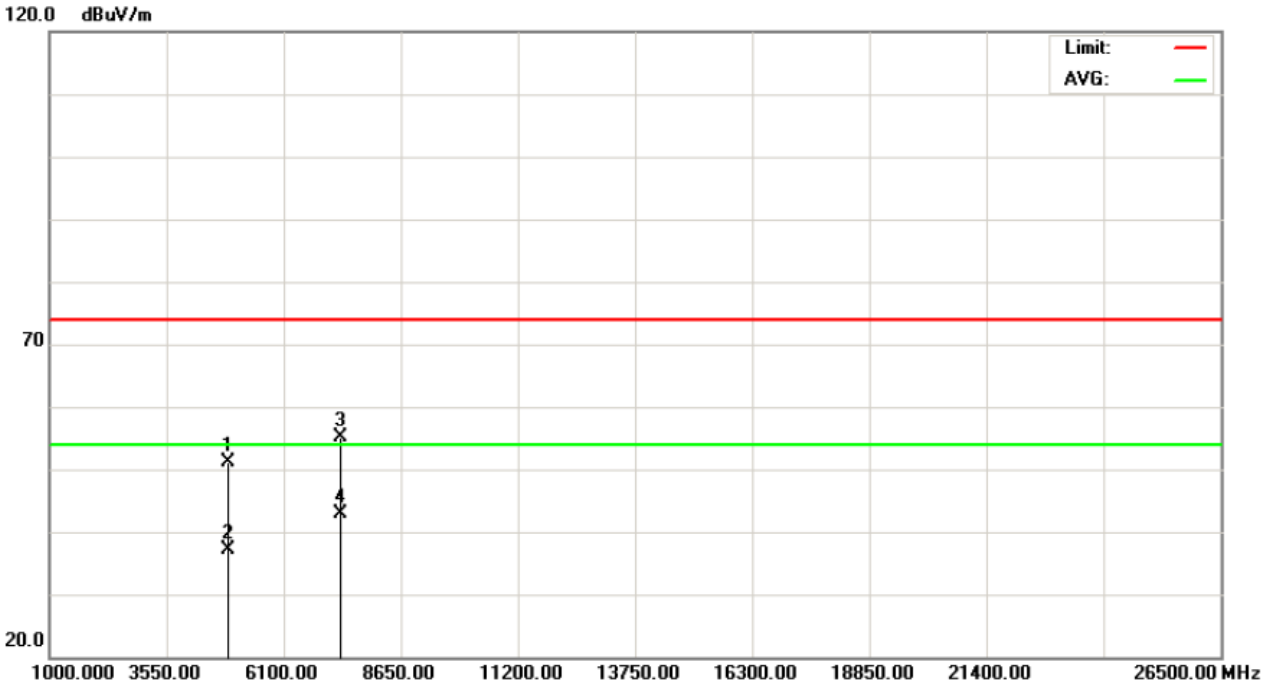
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11g/CH06(Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11g/CH11		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2455.40	V	74.88	66.44	32.63	107.51	99.07			Y/F
2483.50	V	31.06	18.56	32.74	63.80	51.30	74.00	54.00	Y/E
4924.10	V	42.54	31.24	4.70	47.24	35.94	74.00	54.00	Y/H
7386.04	V	43.70	31.21	11.18	54.88	42.39	74.00	54.00	Y/H

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 。

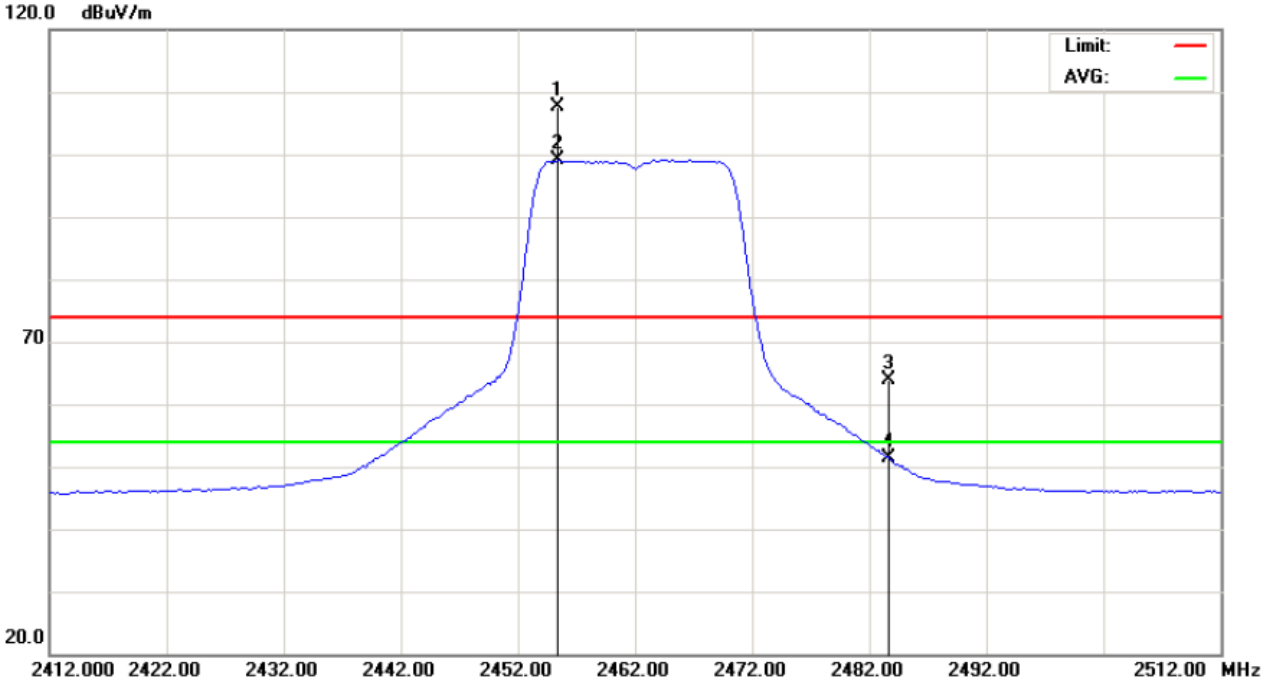
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

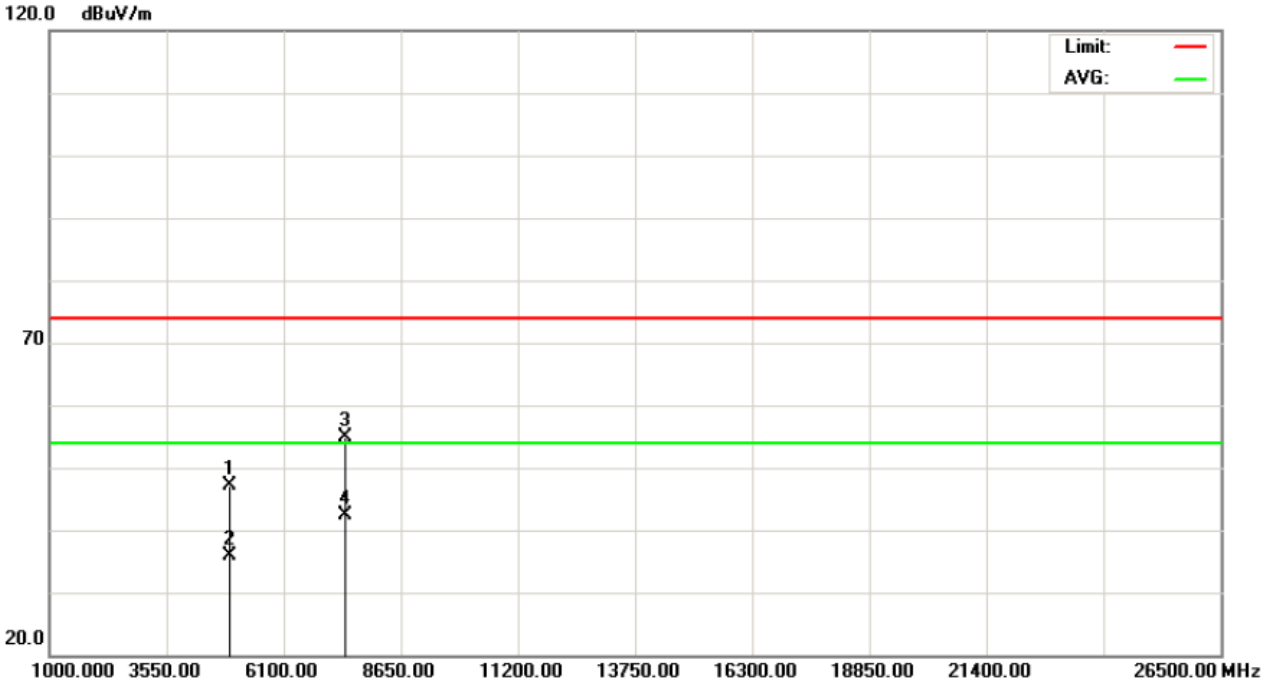
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11g/CH11(Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11g/CH11		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2459.00	H	75.81	66.92	32.64	108.45	99.56			Y/F
2483.50	H	32.16	18.95	32.74	64.90	51.69	74.00	54.00	Y/E
4924.80	H	42.60	31.38	4.70	47.30	36.08	74.00	54.00	Y/H
7386.04	H	43.84	31.45	11.18	55.02	42.63	74.00	54.00	Y/H

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 。

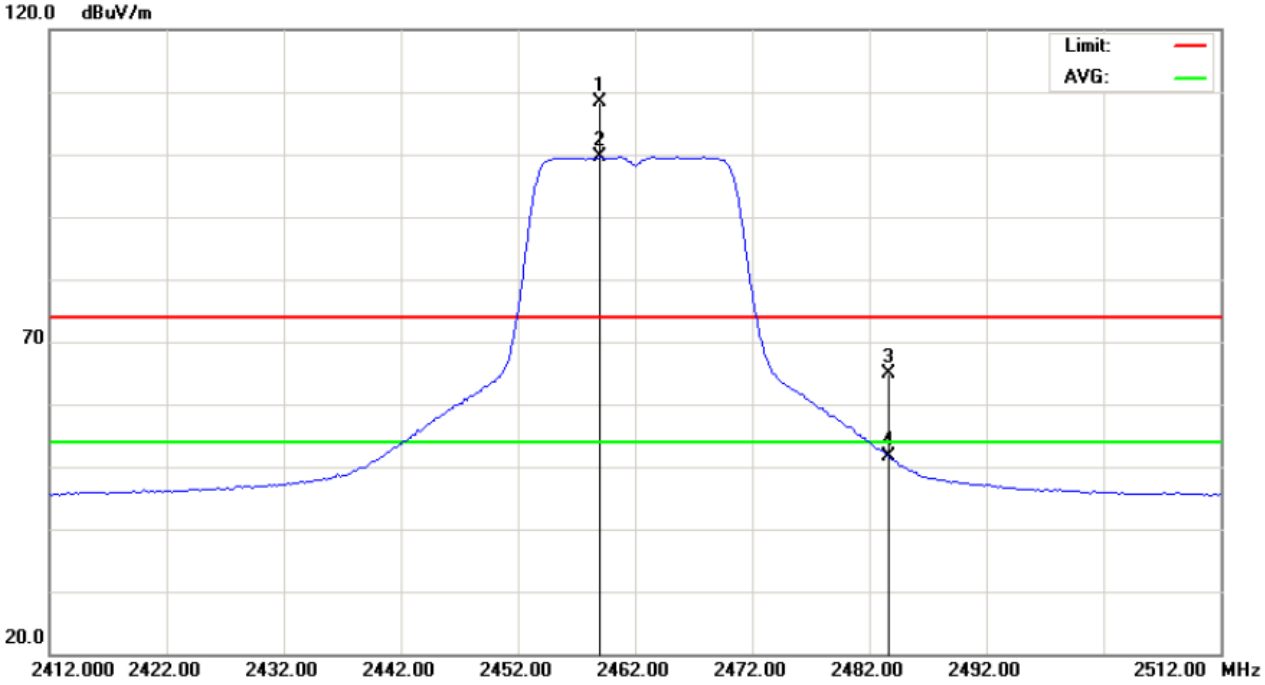
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

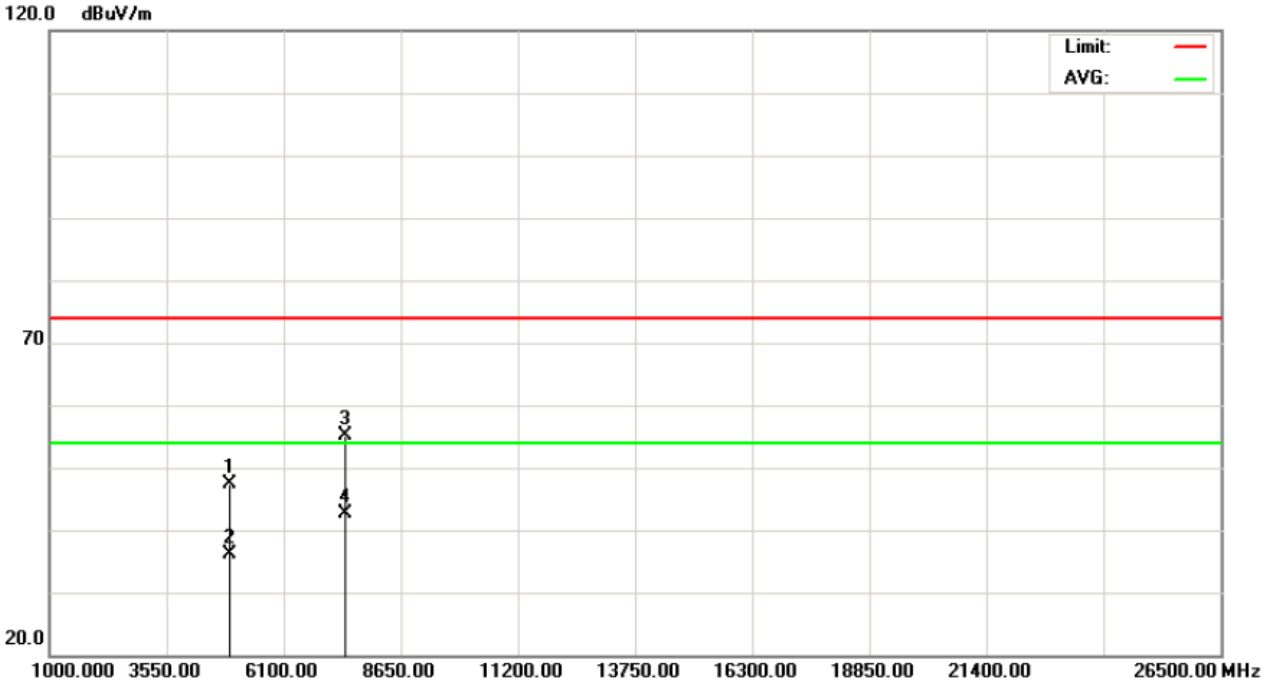
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11g/CH11(Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH01(Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	V	33.15	19.67	32.38	65.53	52.05	74.00	54.00	Y/E
2417.00	V	77.14	67.39	32.48	109.62	99.87			Y/F
4824.04	V	44.33	31.53	4.44	48.77	35.97	74.00	54.00	Y/H
7235.70	V	44.87	32.05	10.76	55.63	42.81	74.00	54.00	Y/H

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 。

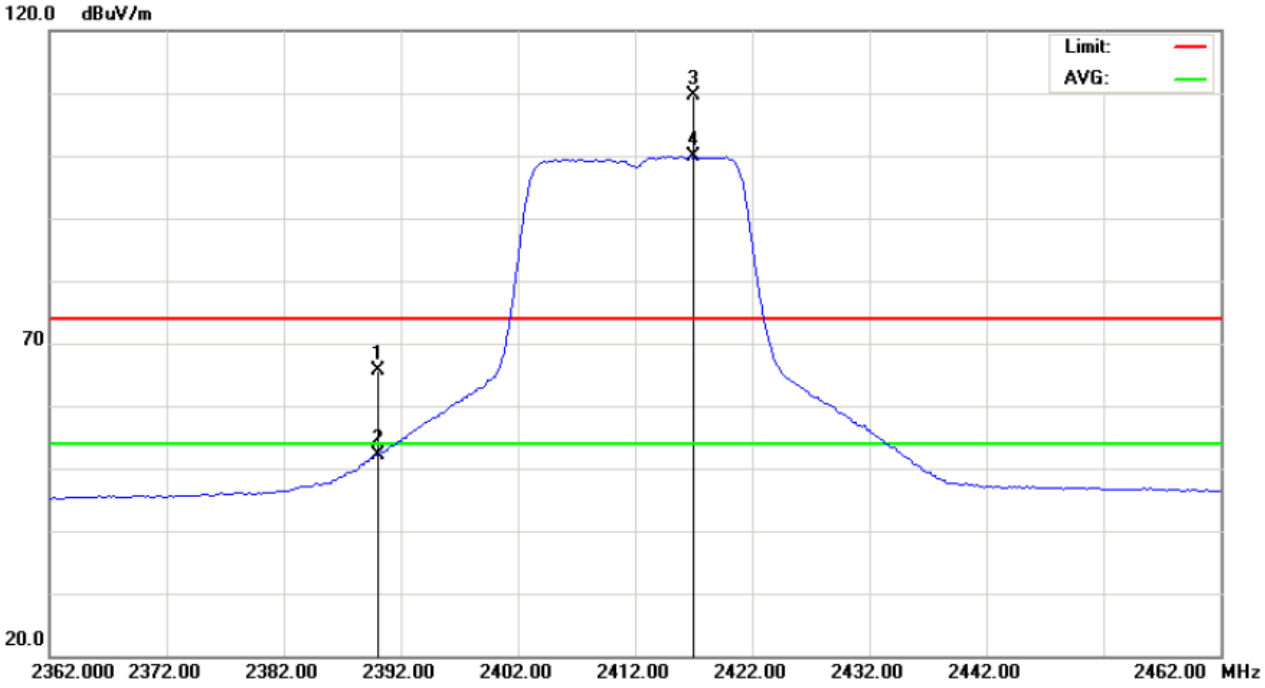
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

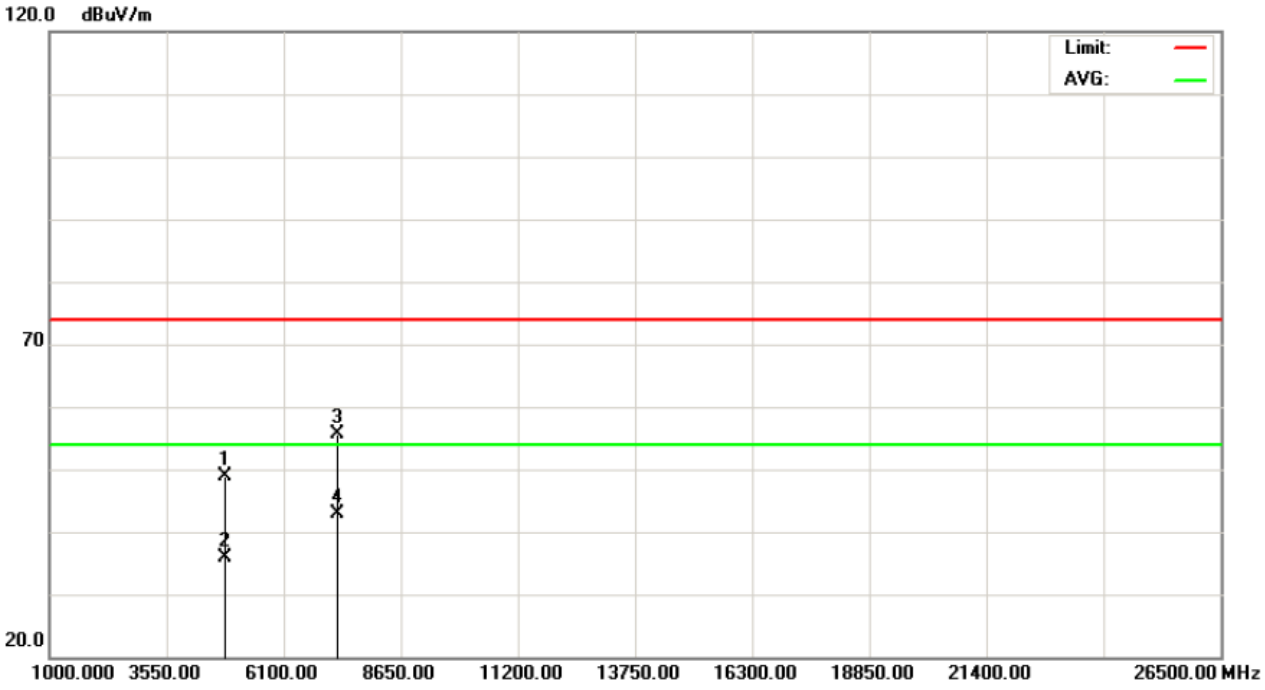
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11n/20M/CH01(Port 0 + Port 1) (Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH01(Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	H	32.02	19.42	32.38	64.40	51.80	74.00	54.00	Y/E
2417.40	H	75.96	66.97	32.49	108.45	99.46			Y/F
4824.00	H	45.26	31.43	4.44	49.70	35.87	74.00	54.00	Y/H
7236.40	H	44.70	31.66	10.76	55.46	42.42	74.00	54.00	Y/H

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.

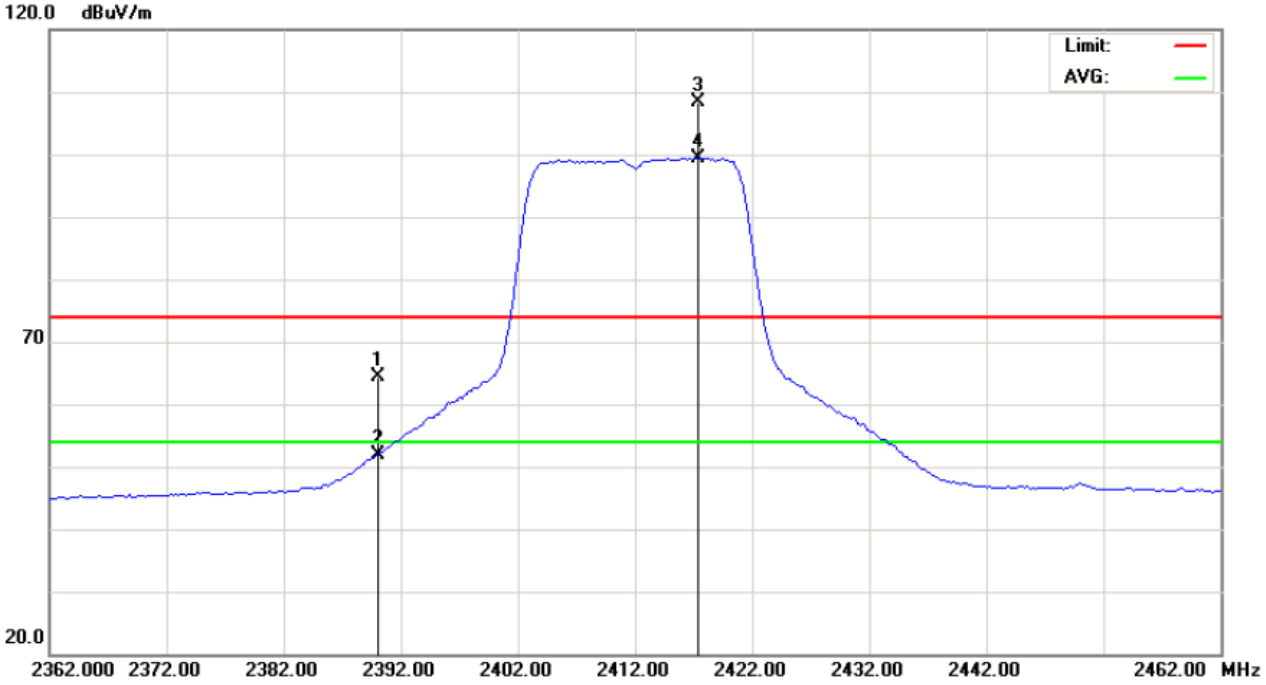
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

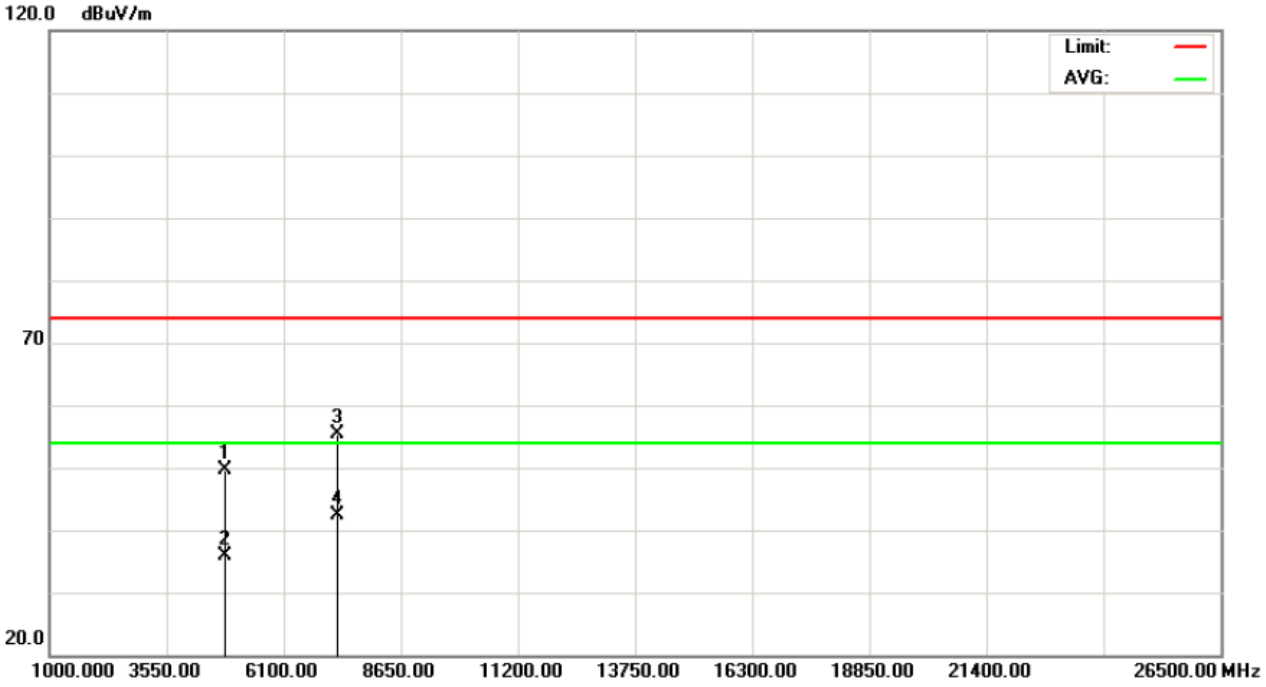
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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：Y

802.11n/20M/CH01(Port 0 + Port 1) (Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH06 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2441.80	V	81.33	70.65	32.58	113.91	103.23			Y/F
4874.12	V	44.01	31.61	4.57	48.58	36.18	74.00	54.00	Y/H
7311.12	V	44.48	31.73	10.97	55.45	42.70	74.00	54.00	Y/H

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.

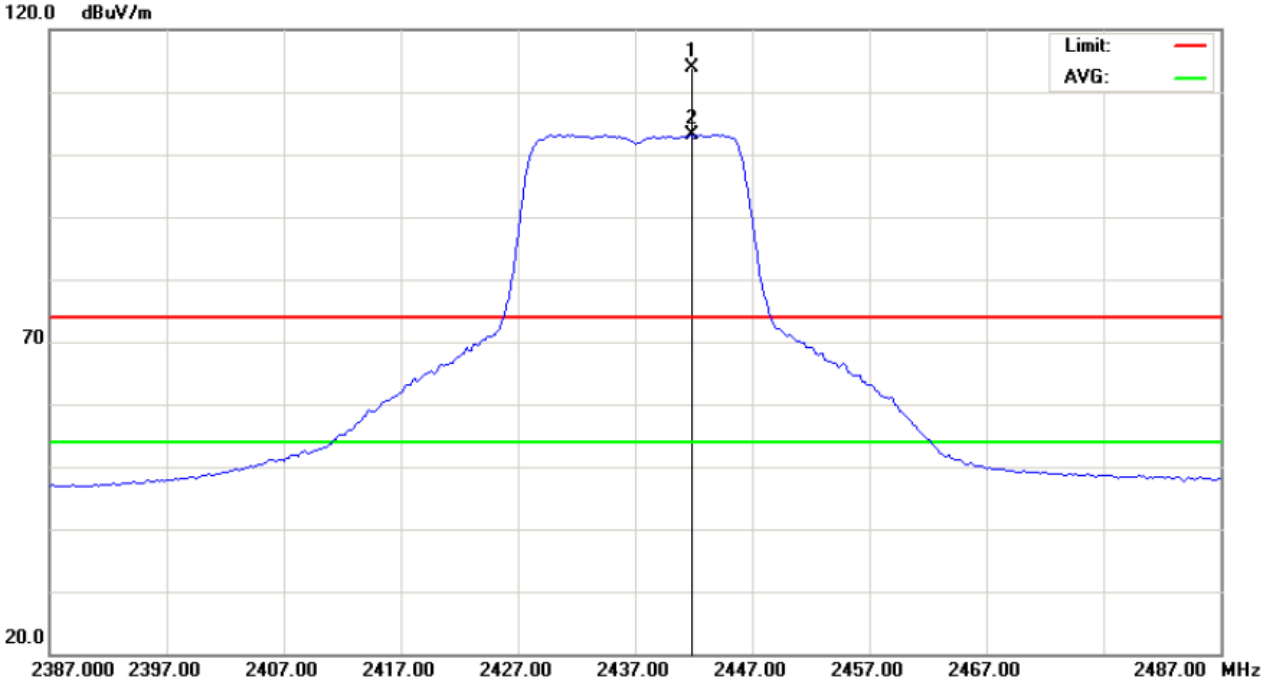
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

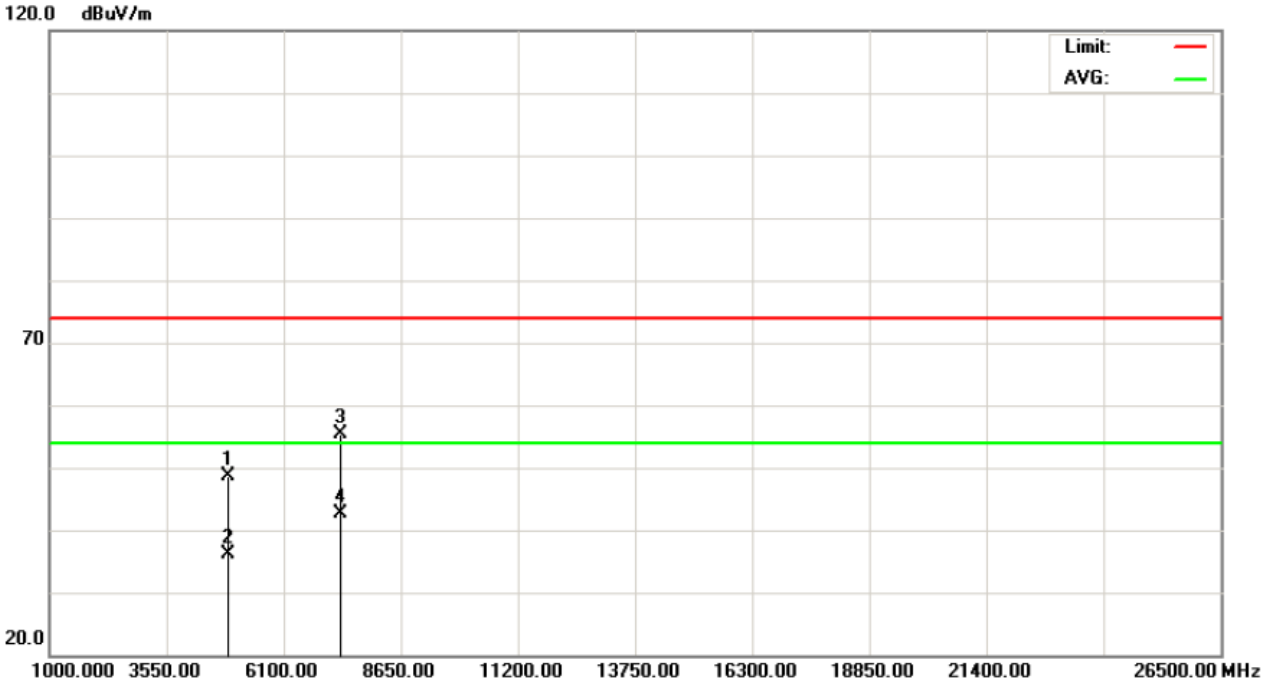
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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：Y

802.11n/20M/CH06(Port 0 + Port 1) (Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH06(Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2433.40	H	81.26	70.61	32.55	113.81	103.16			Y/F
4873.72	H	43.52	32.93	4.57	48.09	37.50	74.00	54.00	Y/H
7310.84	H	45.26	33.03	10.97	56.23	44.00	74.00	54.00	Y/H

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.

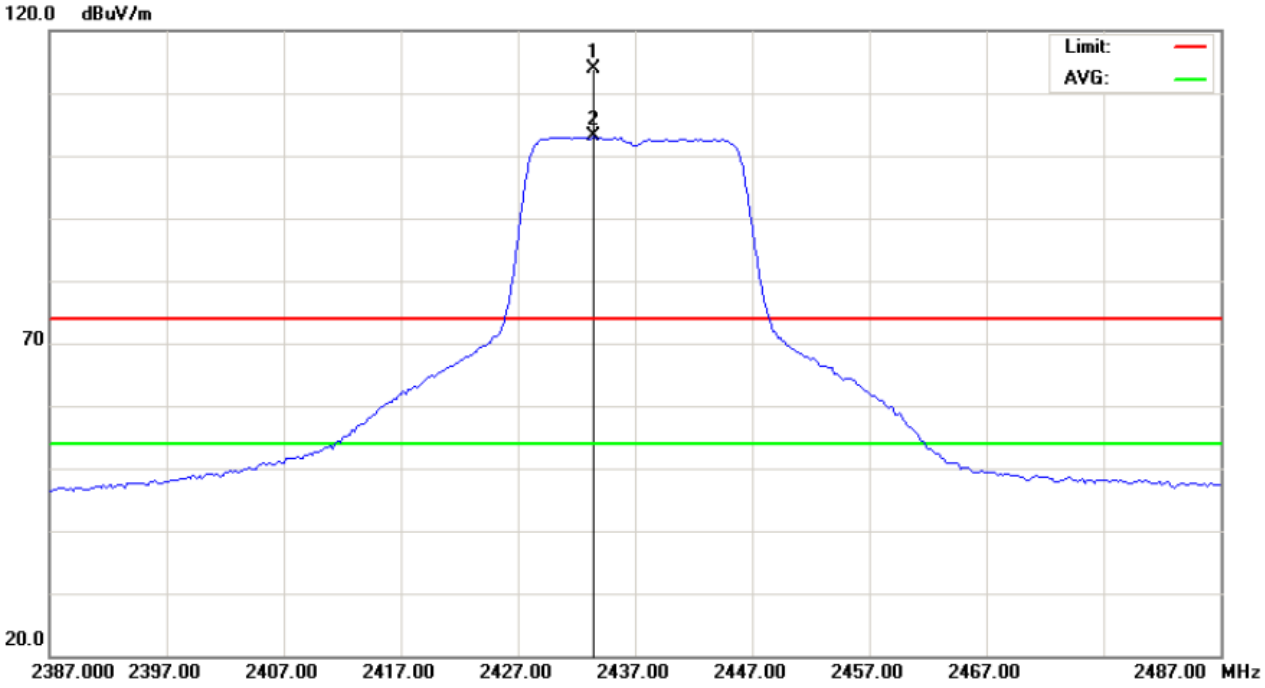
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

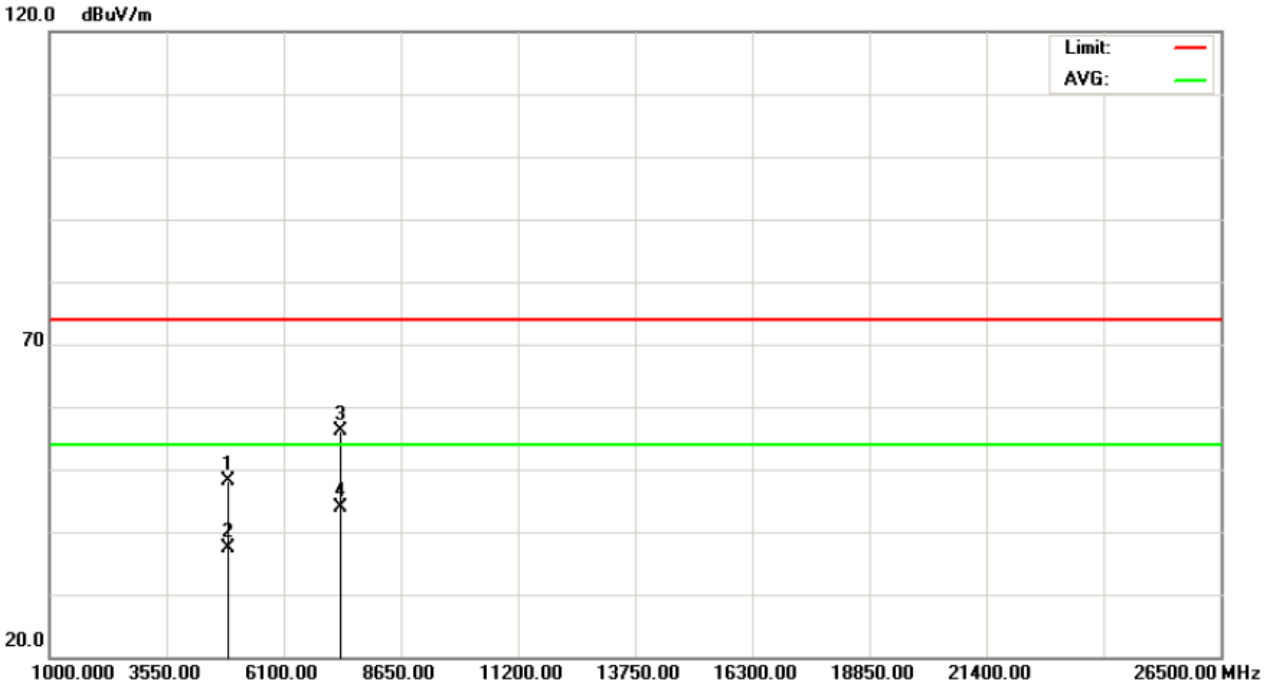
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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：Y

802.11n/20M/CH06(Port 0 + Port 1) (Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH11(Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2455.60	V	75.71	65.96	32.63	108.34	98.59			Y/F
2483.50	V	37.37	20.03	32.74	70.11	52.77	74.00	54.00	Y/E
4923.60	V	43.53	32.19	4.70	48.23	36.89	74.00	54.00	Y/H
7385.70	V	44.61	31.68	11.18	55.79	42.86	74.00	54.00	Y/H

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.

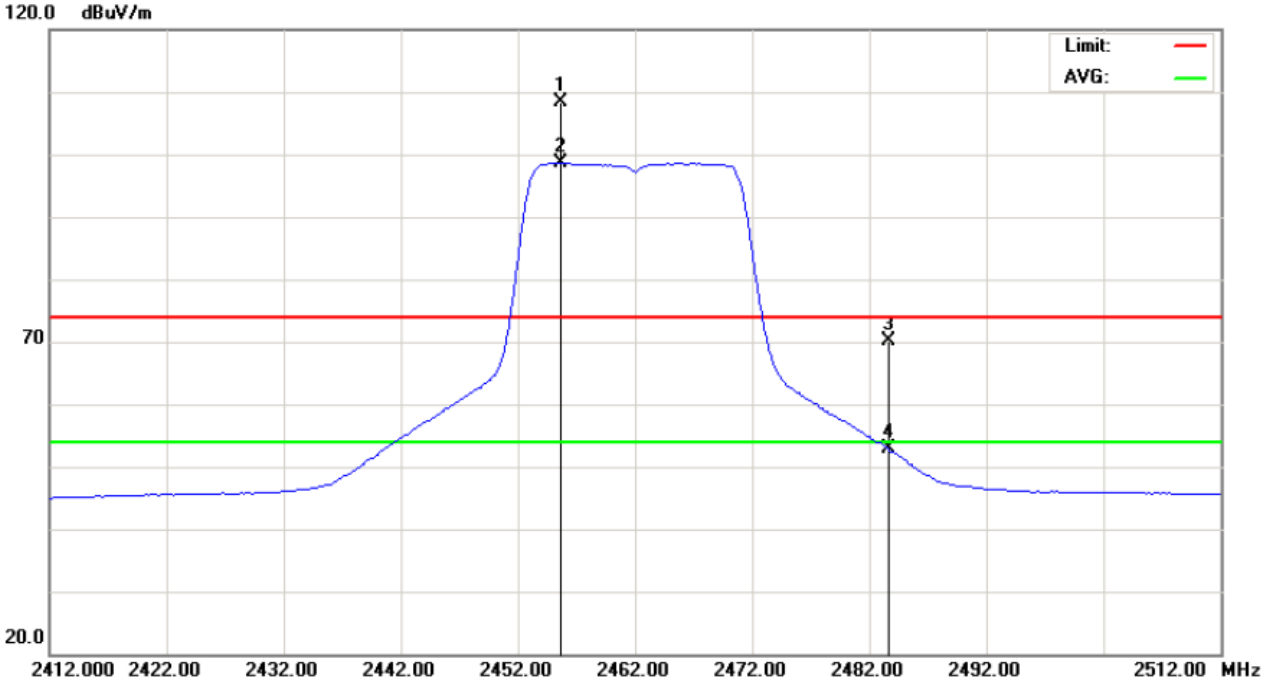
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

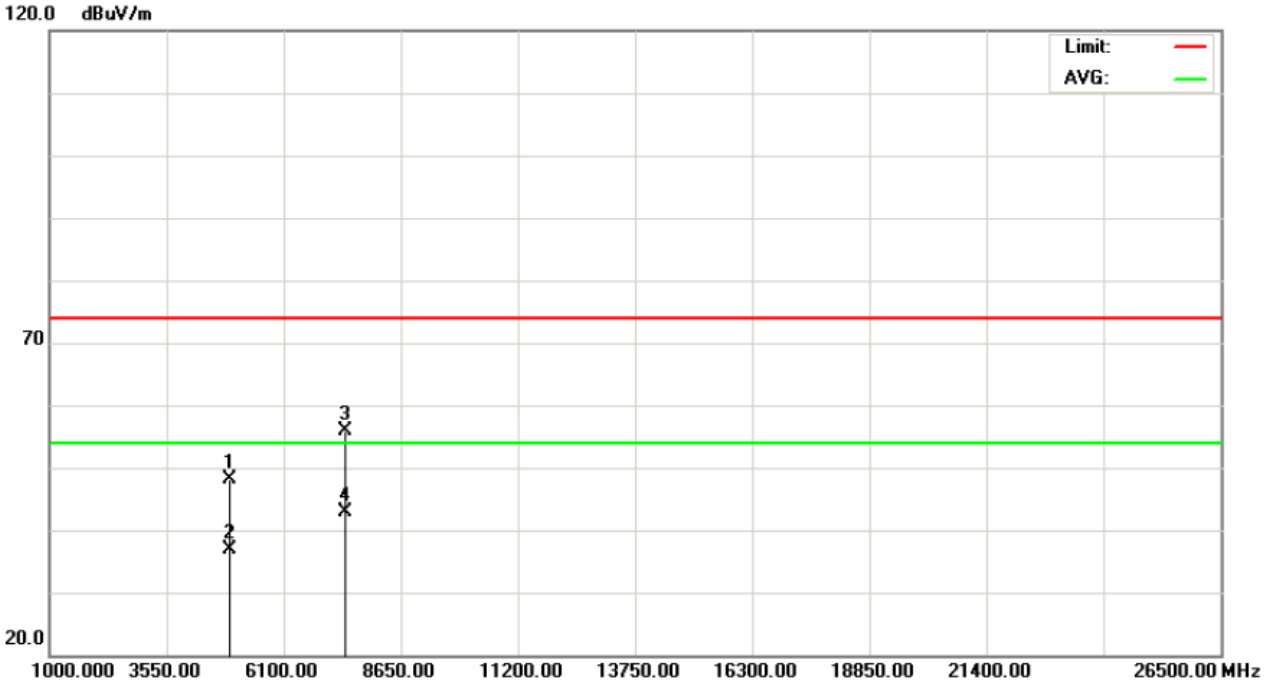
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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：Y

802.11n/20M/CH11(Port 0 + Port 1) (Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH11 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2464.00	H	77.20	66.44	32.66	109.86	99.10			Y/F
2483.50	H	34.47	20.12	32.74	67.21	52.86	74.00	54.00	Y/E
4924.00	H	43.66	31.16	4.70	48.36	35.86	74.00	54.00	Y/H
7385.70	H	44.40	31.88	11.18	55.58	43.06	74.00	54.00	Y/H

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.

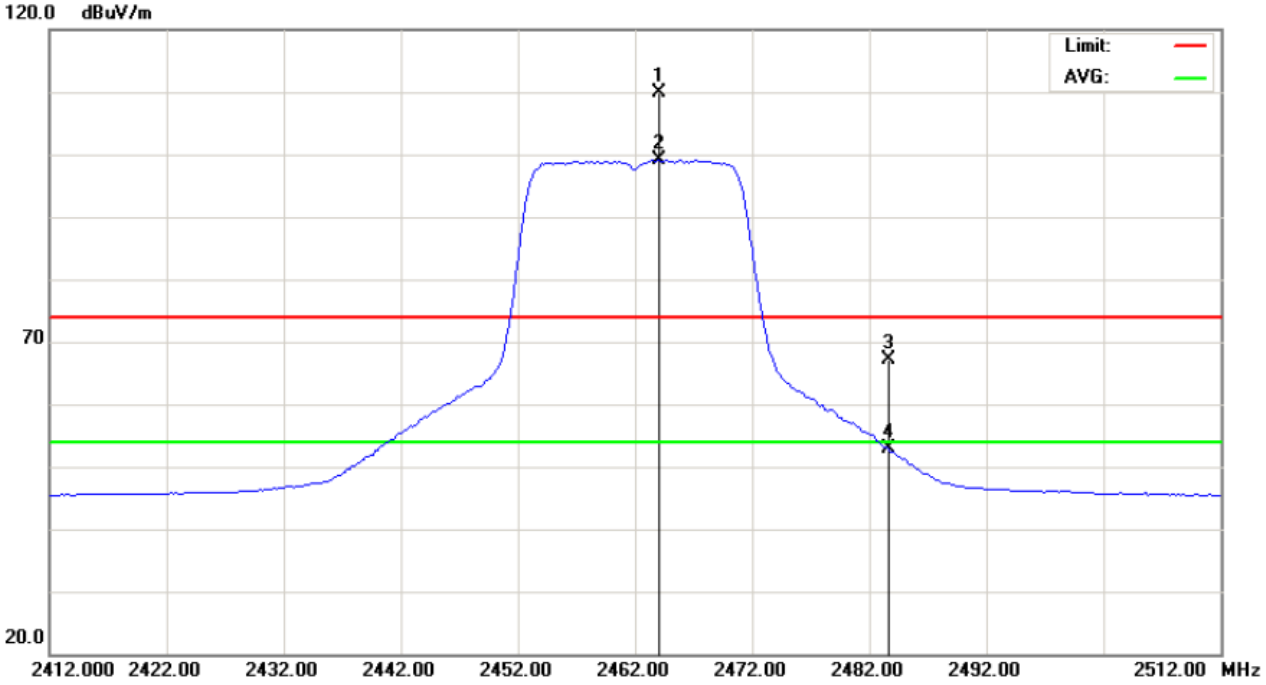
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

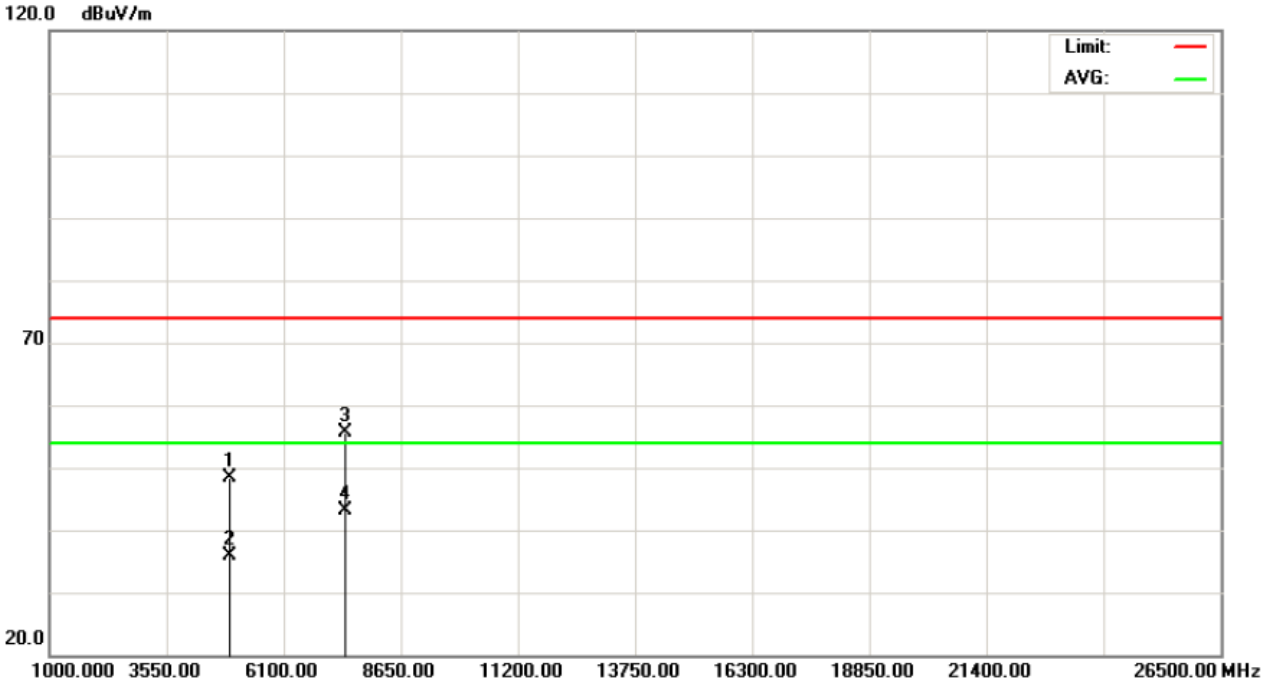
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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：Y

802.11n/20M/CH11(Port 0 + Port 1) (Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH03 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	V	33.12	19.99	32.38	65.50	52.37	74.00	54.00	Y/E
2417.20	V	70.70	60.81	32.49	103.19	93.30			Y/F
4843.80	V	41.86	31.57	4.49	46.35	36.06	74.00	54.00	Y/H
7266.40	V	43.78	31.65	10.85	54.63	42.50	74.00	54.00	Y/H

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 。

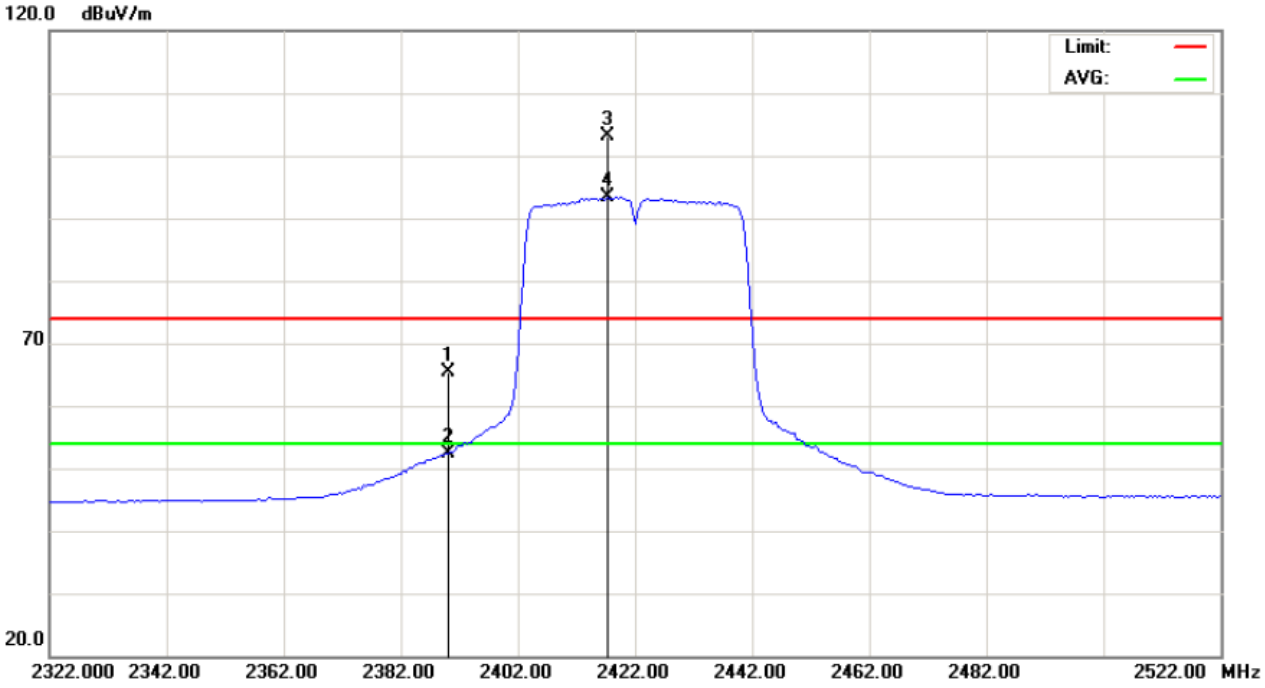
(5) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

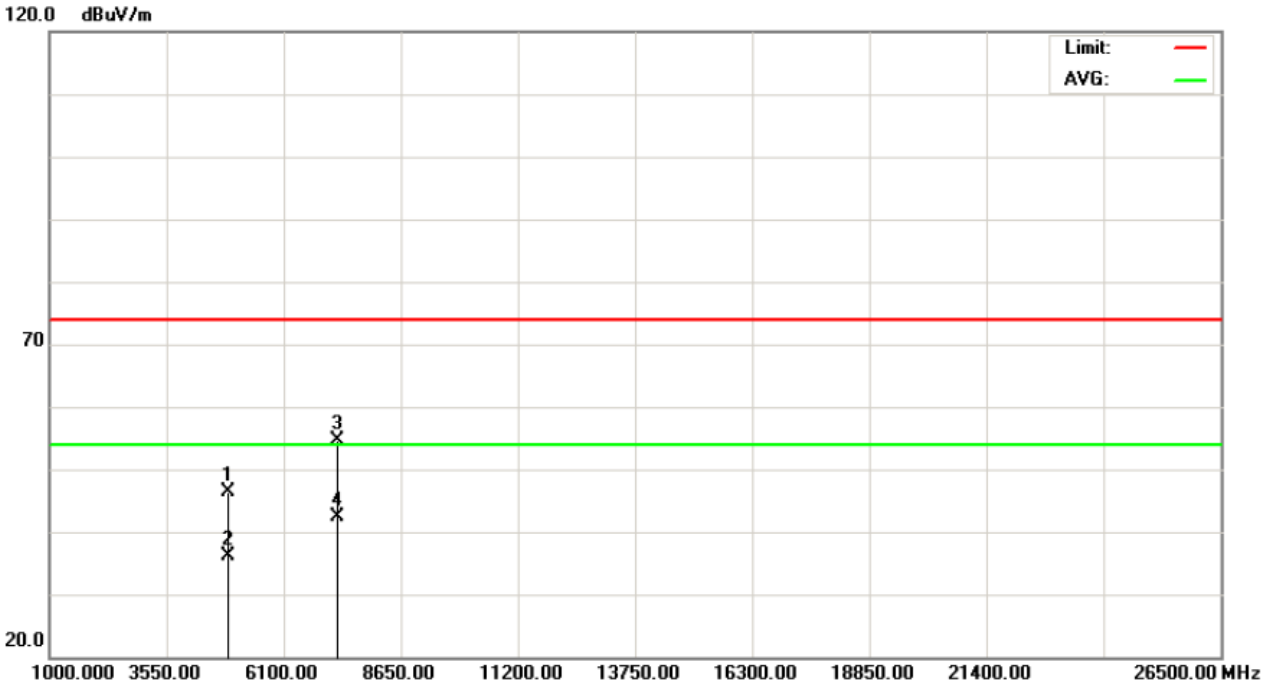
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(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：Y
802.11n/40M/CH03(Port 0 + Port 1) (Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH03 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	H	33.56	19.26	32.38	65.94	51.64	74.00	54.00	Y/E
2432.00	H	72.37	62.19	32.54	104.91	94.73			Y/F
4843.80	H	42.21	31.46	4.49	46.70	35.95	74.00	54.00	Y/H
7266.30	H	44.69	30.80	10.85	55.54	41.65	74.00	54.00	Y/H

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.

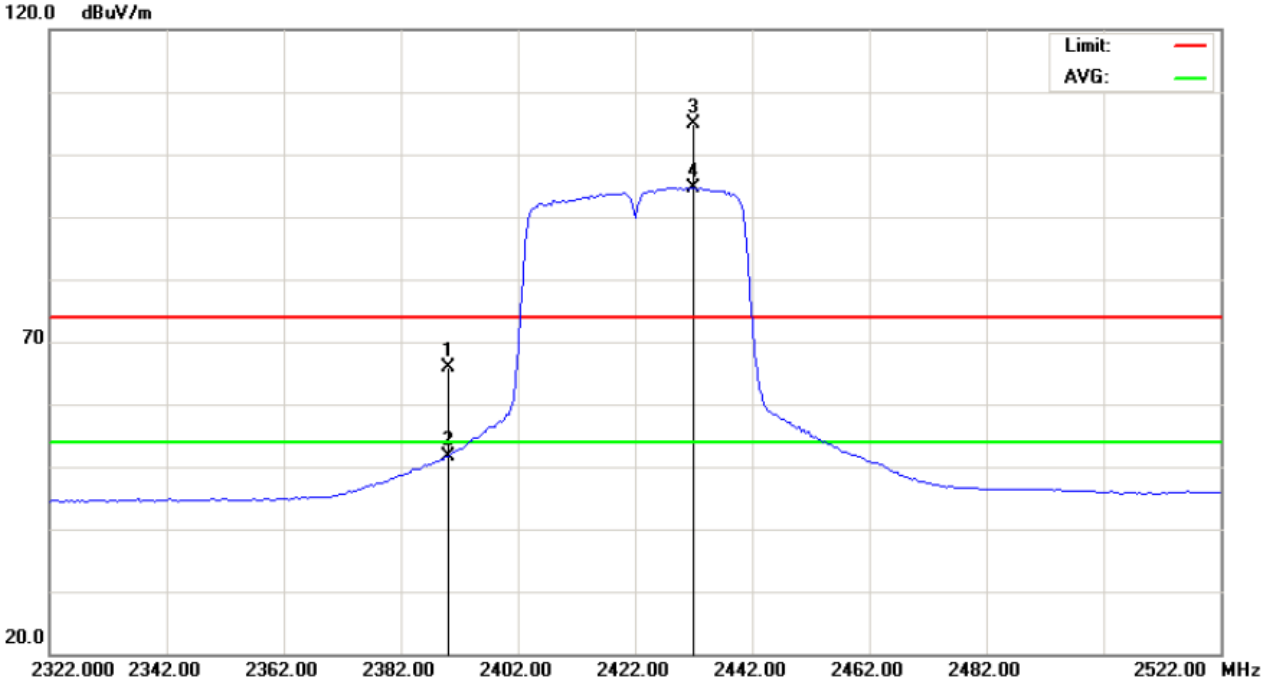
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

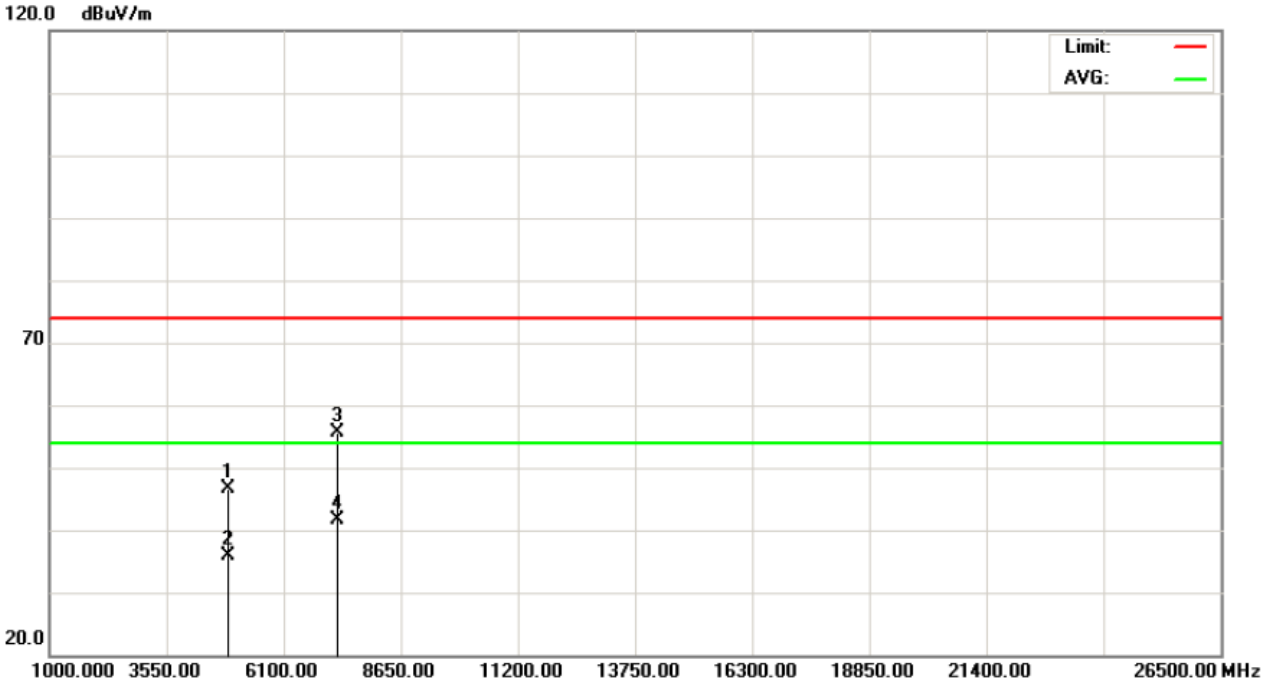
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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：Y

802.11n/40M/CH03(Port 0 + Port 1) (Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH06 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	V	30.91	17.02	32.38	63.29	49.40	74.00	54.00	Y/H
2451.80	V	74.85	64.01	32.62	107.47	96.63			Y/F
2483.50	V	34.21	19.66	32.74	66.95	52.40	74.00	54.00	Y/H
4875.00	V	44.72	32.73	4.58	49.30	37.31	74.00	54.00	Y/H
7312.00	V	47.98	34.01	10.97	58.95	44.98	74.00	54.00	Y/H

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.

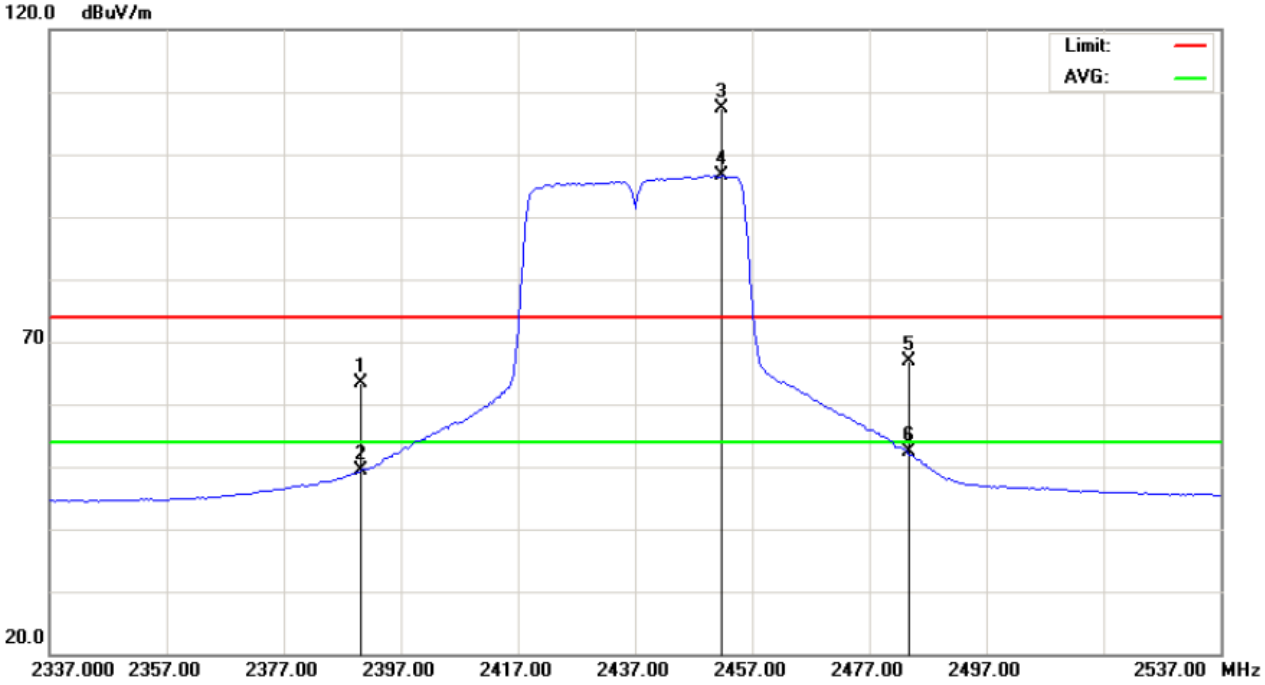
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

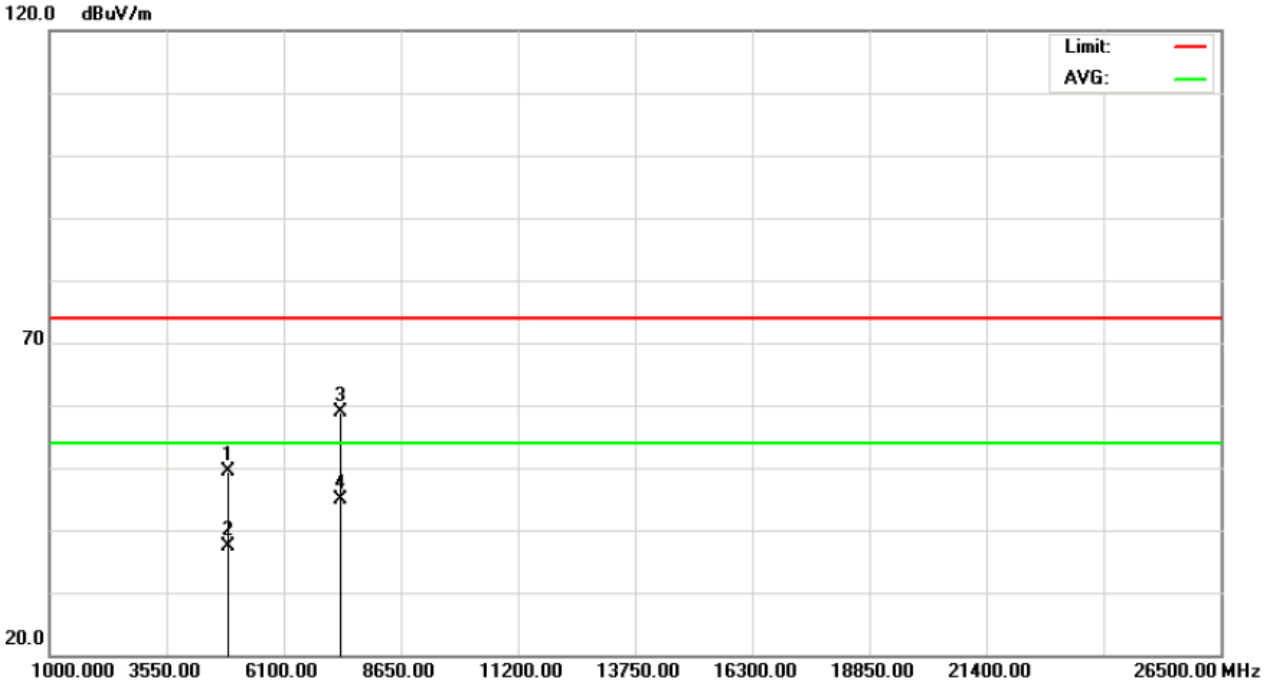
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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：Y

802.11n/40M/CH06(Port 0 + Port 1) (Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH06 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	H	33.44	19.49	32.38	65.82	51.87	74.00	54.00	Y/H
2431.00	H	76.46	65.23	32.54	109.00	97.77			Y/F
2483.50	H	34.14	19.81	32.74	66.88	52.55	74.00	54.00	Y/H
4874.00	H	44.50	32.15	4.57	49.07	36.72	74.00	54.00	Y/H
7311.40	H	46.12	33.48	10.97	57.09	44.45	74.00	54.00	Y/H

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.

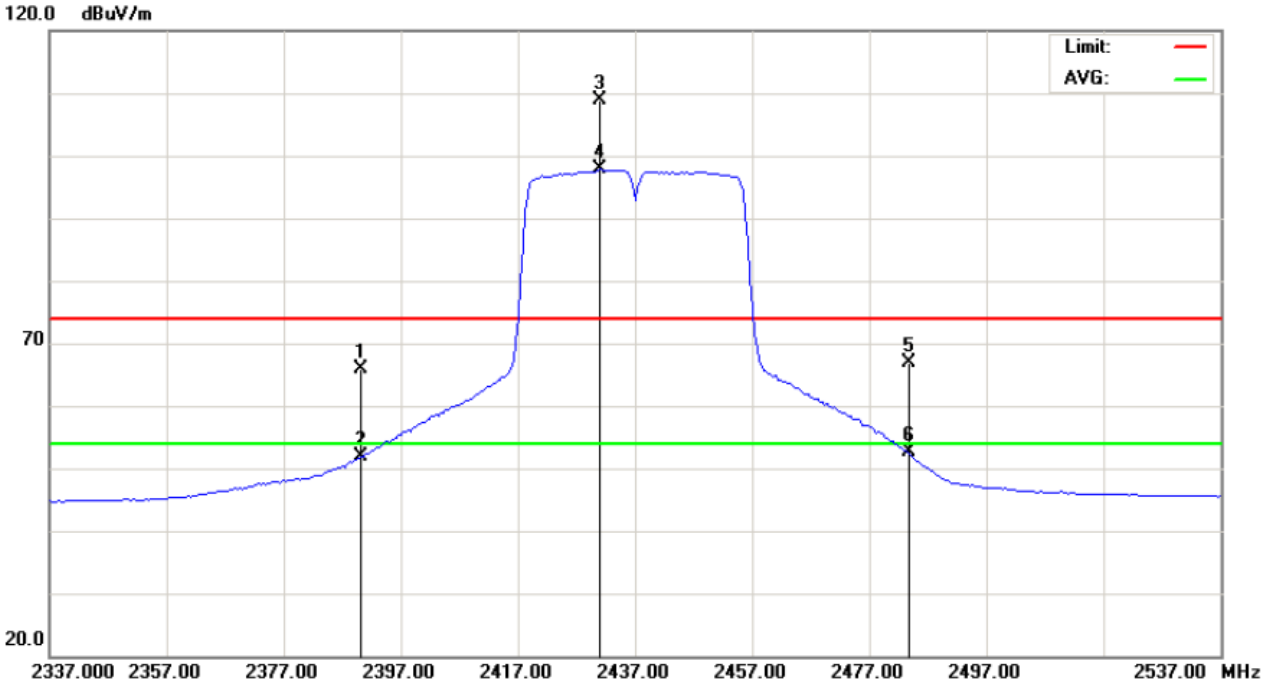
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

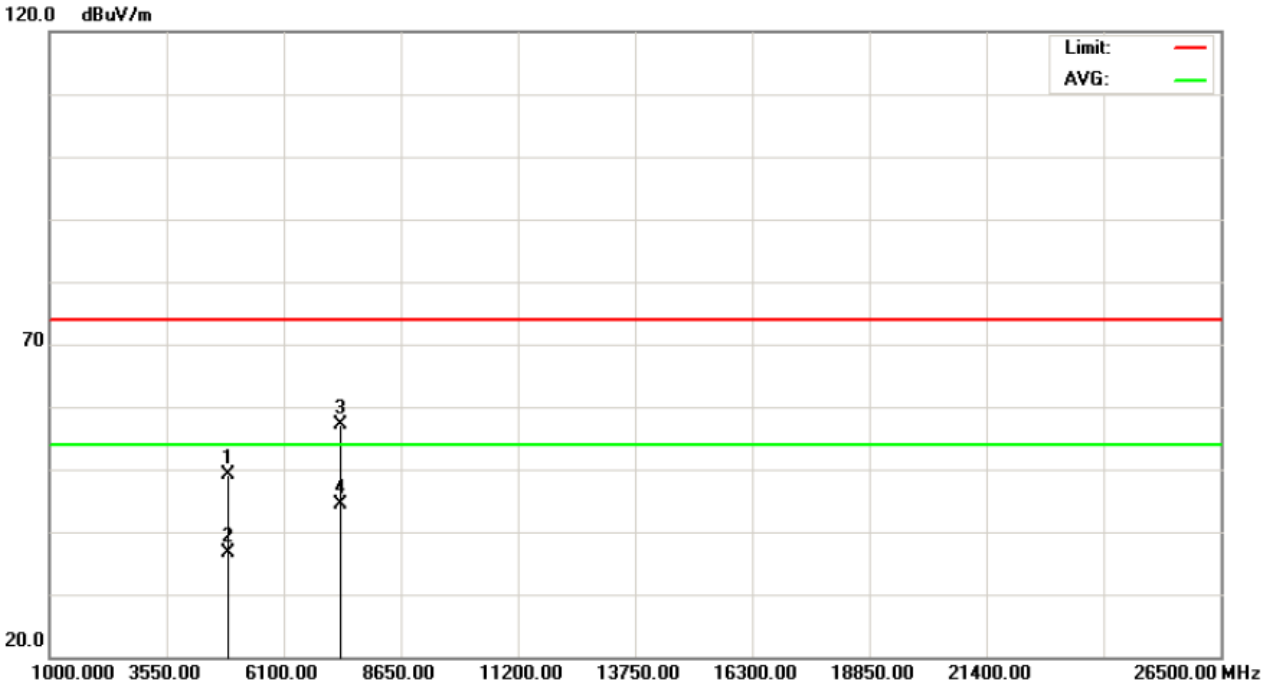
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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：Y

802.11n/40M/CH06(Port 0 + Port 1) (Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH09 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2449.20	V	70.59	59.39	32.61	103.20	92.00			Y/F
2483.50	V	35.19	20.16	32.74	67.93	52.90	74.00	54.00	Y/E
4903.90	V	41.64	31.45	4.65	46.29	36.10	74.00	54.00	Y/H
7355.90	V	43.85	31.27	11.10	54.95	42.37	74.00	54.00	Y/H

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.

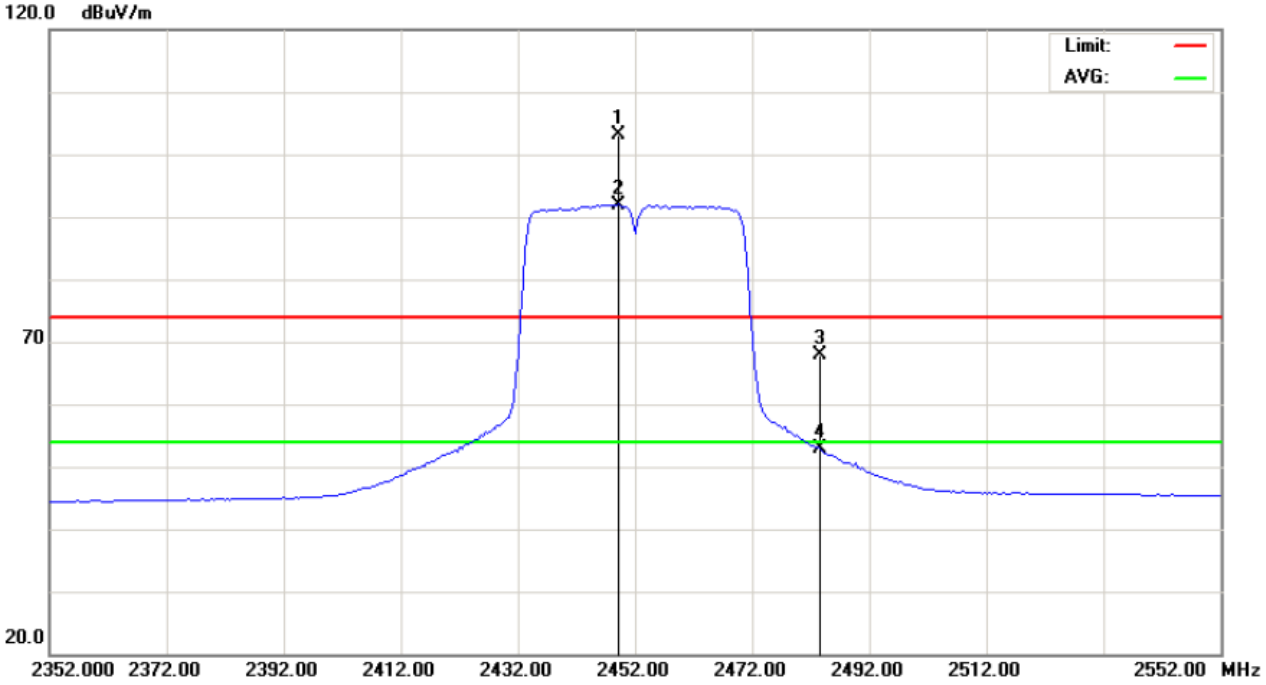
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

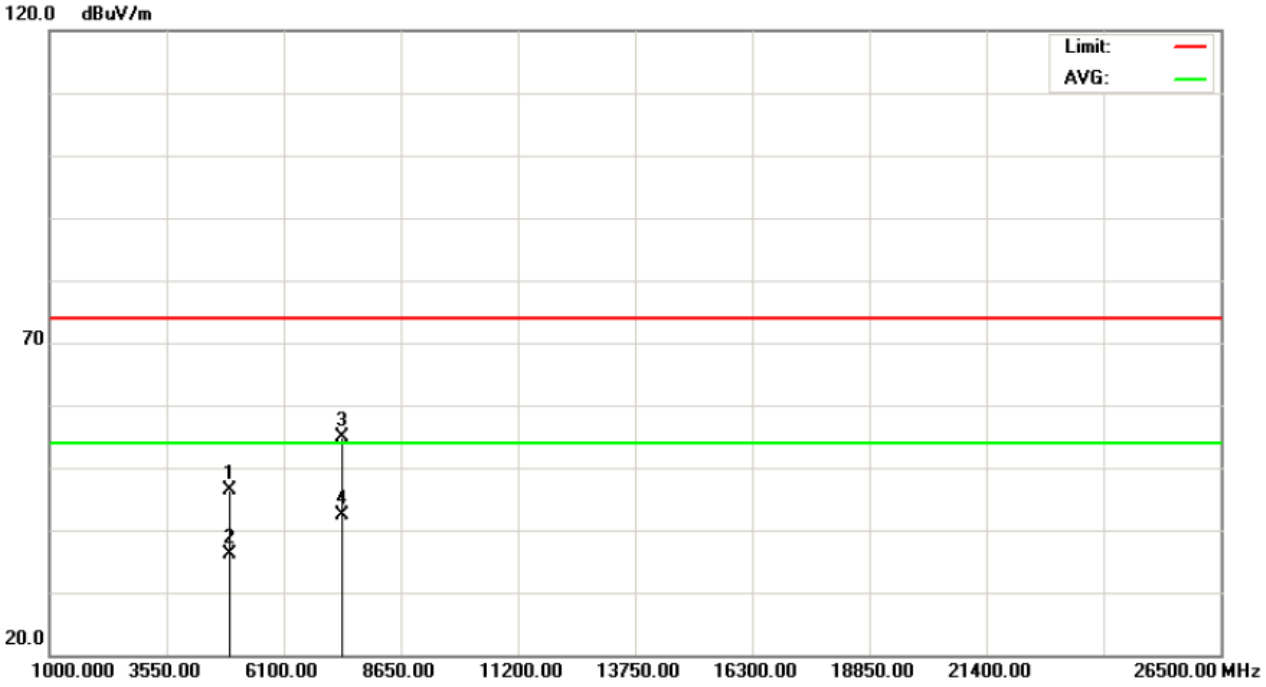
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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：Y

802.11n/40M/CH09(Port 0 + Port 1) (Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH09 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2463.60	H	69.89	59.65	32.66	102.55	92.31			Y/F
2483.50	H	36.26	20.20	32.74	69.00	52.94	74.00	54.00	Y/E
4904.10	H	41.86	31.18	4.65	46.51	35.83	74.00	54.00	Y/H
7356.00	H	41.87	31.37	11.10	52.97	42.47	74.00	54.00	Y/H

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.

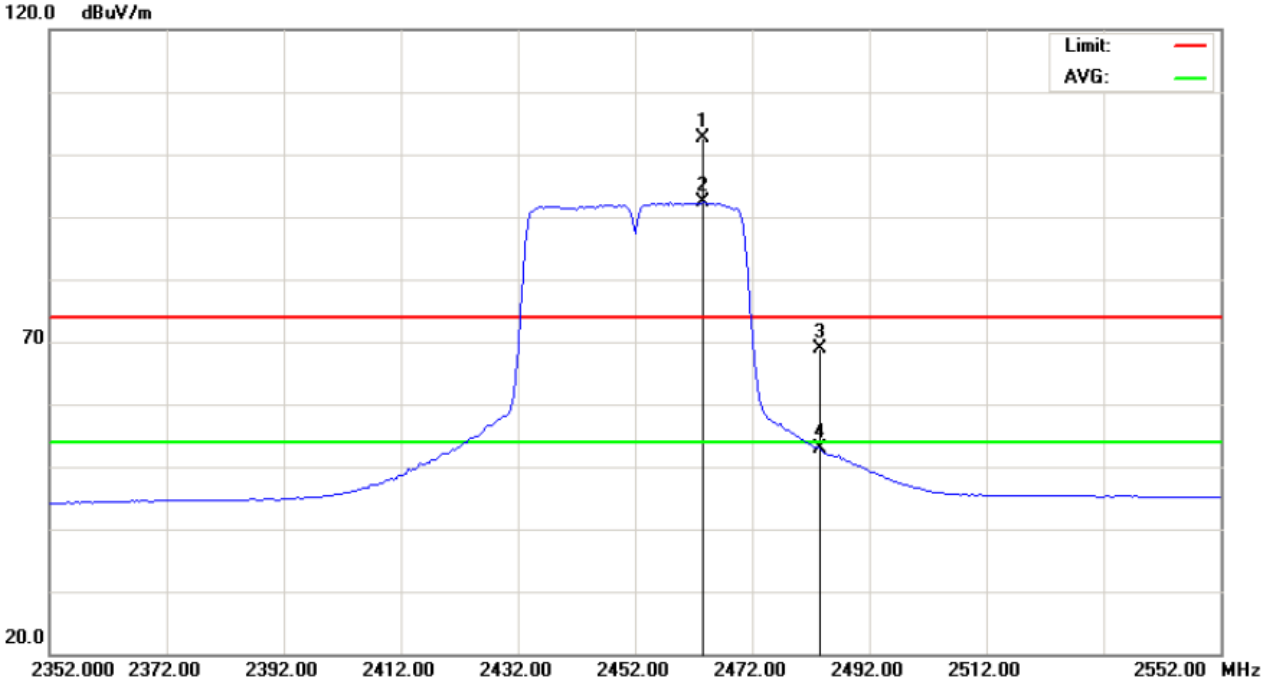
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

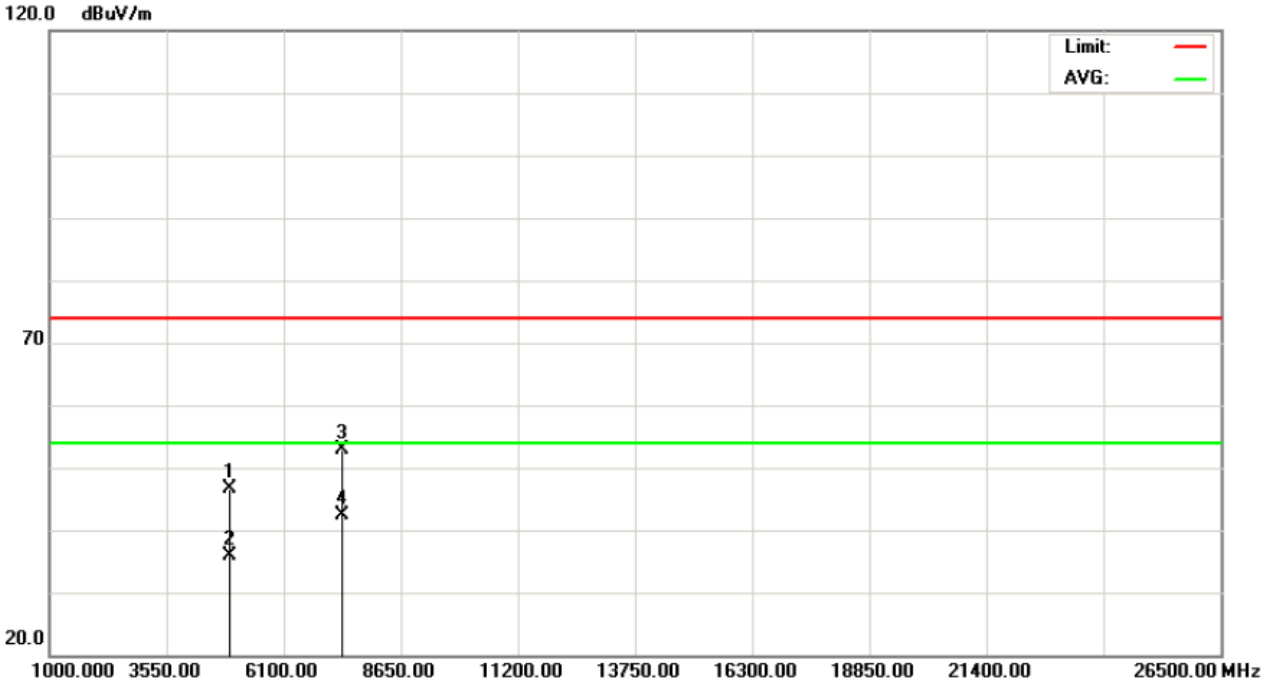
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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：Y

802.11n/40M/CH09(Port 0 + Port 1) (Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11a/CH149		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5738.40	V	72.48	61.83	41.22	113.70	103.05			Y/F
11489.92	V	47.73	32.48	17.99	65.72	50.47	74.00	54.00	Y/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

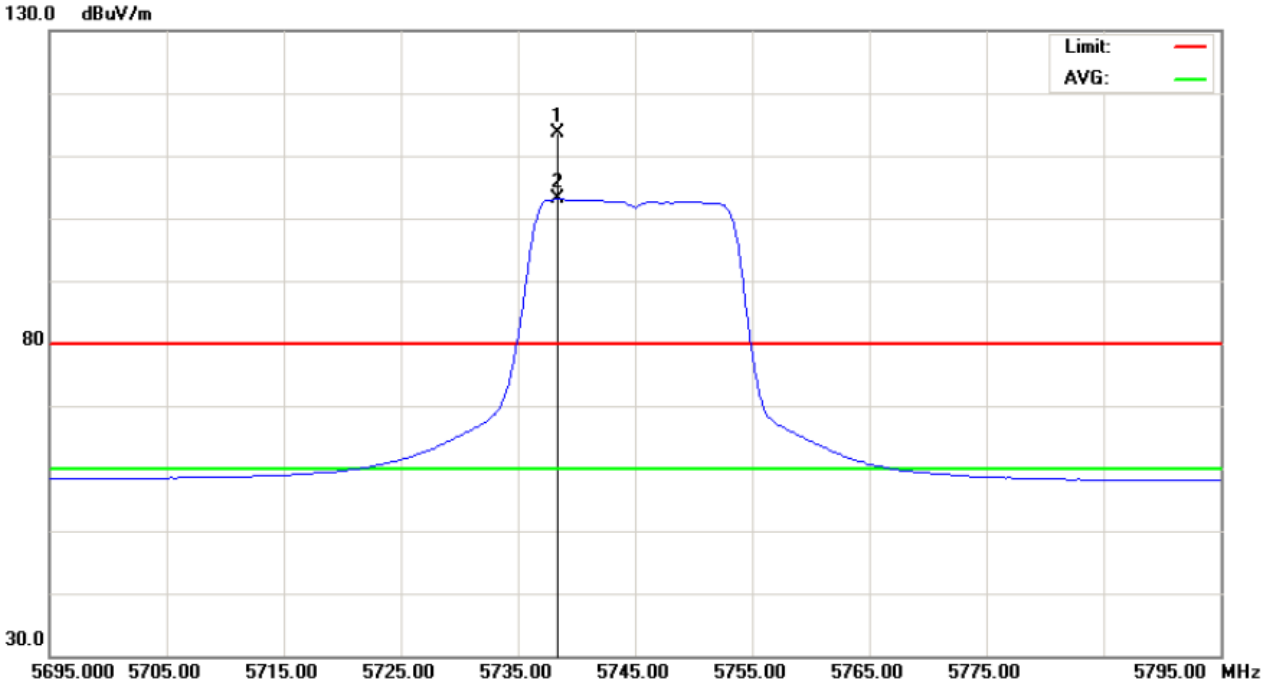
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

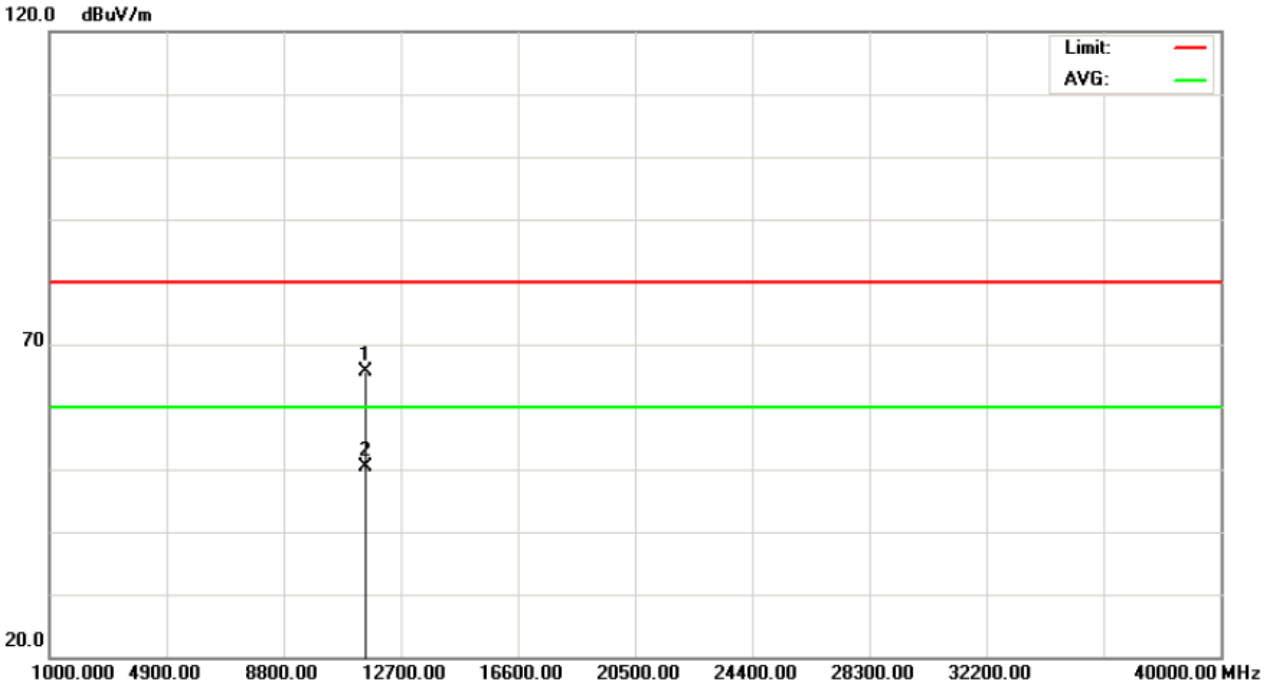
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y
802.11a/CH149(Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11a/CH149		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5738.60	H	64.44	54.29	41.22	105.66	95.51			Y/F
11489.36	H	44.16	32.49	17.99	62.15	50.48	74.00	54.00	Y/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

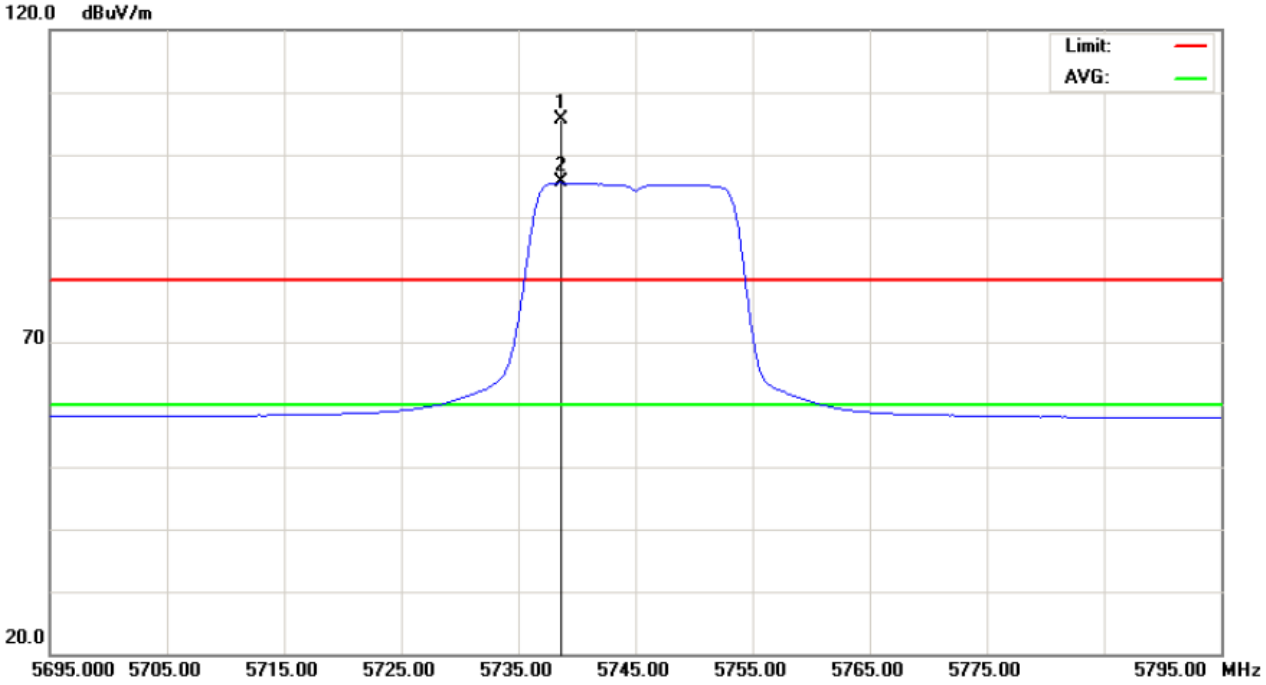
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

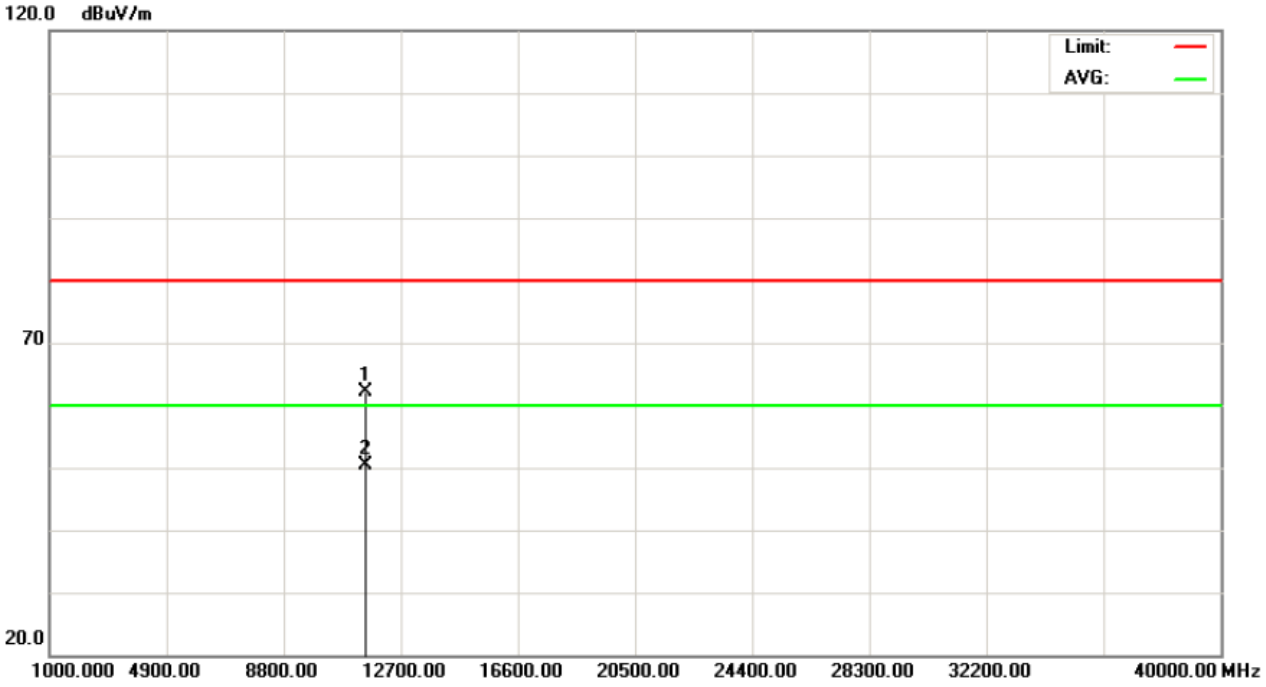
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y
802.11a/CH149(Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11a/CH157		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5778.40	V	70.13	61.04	41.32	111.45	102.36			Y/F
11570.00	V	43.76	31.98	17.90	61.66	49.88	74.00	54.00	Y/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

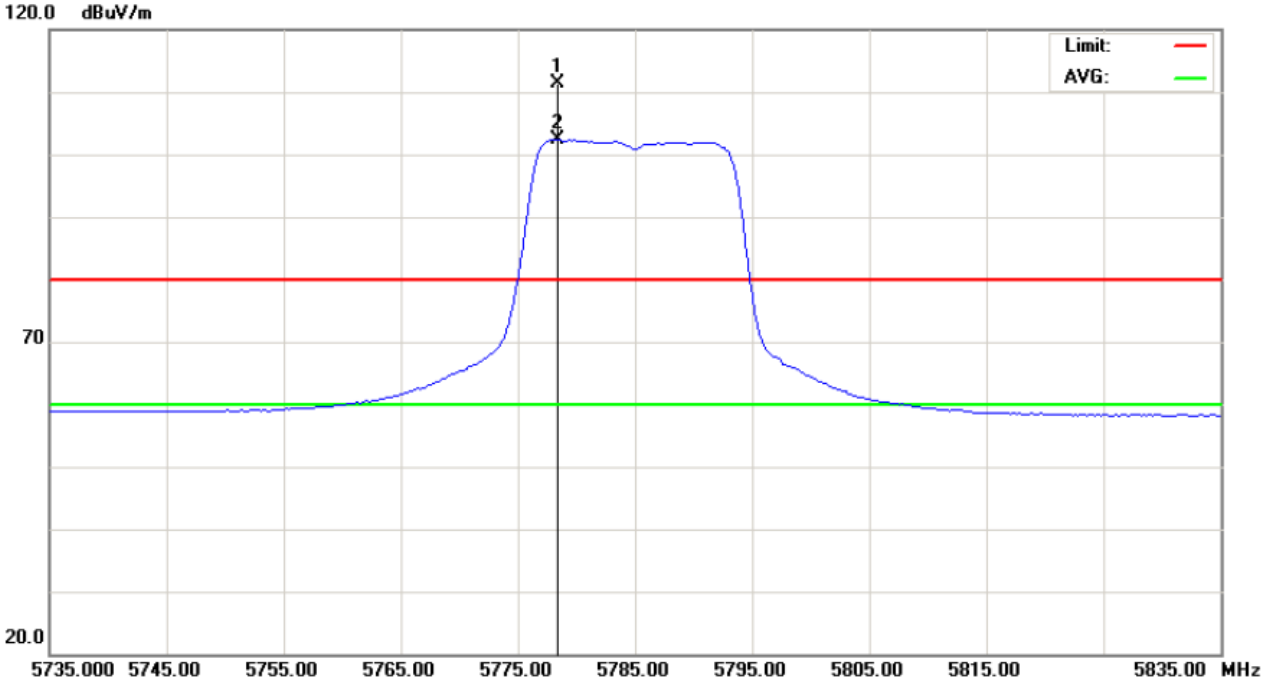
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

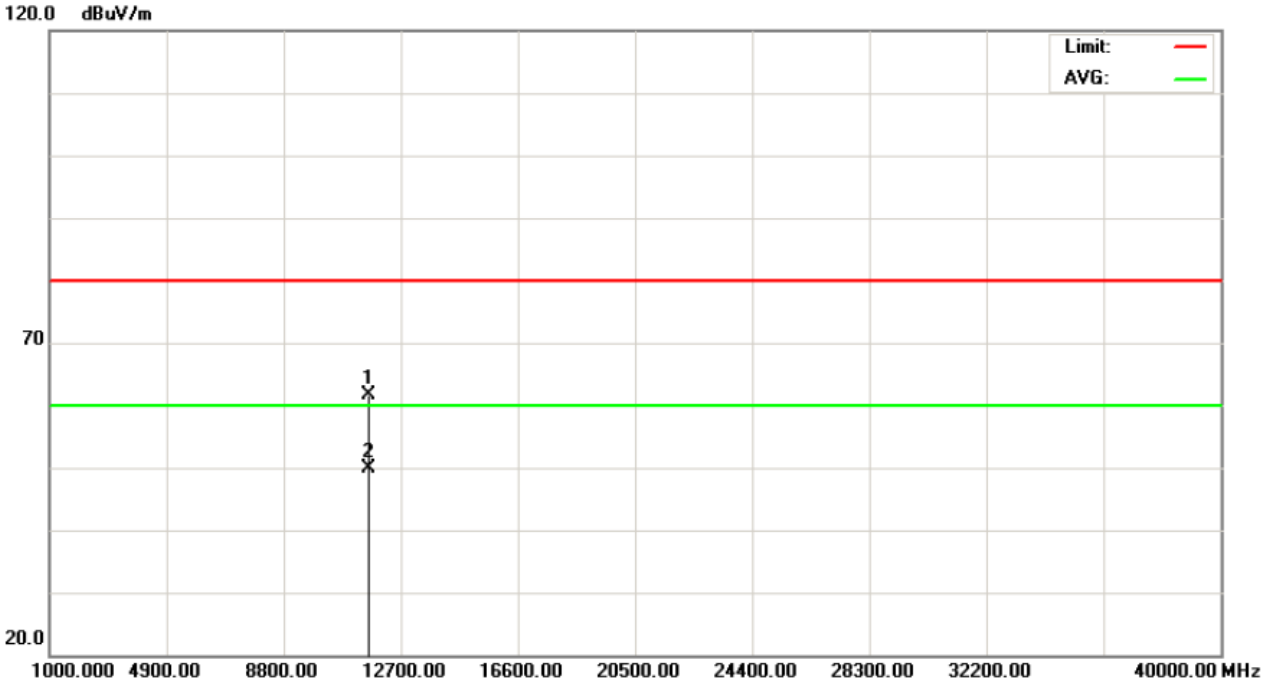
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y
802.11a/CH157(Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11a/CH157		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5778.80	H	62.44	53.23	41.32	103.76	94.55			Y/F
11570.00	H	42.14	31.56	17.90	60.04	49.46	74.00	54.00	Y/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

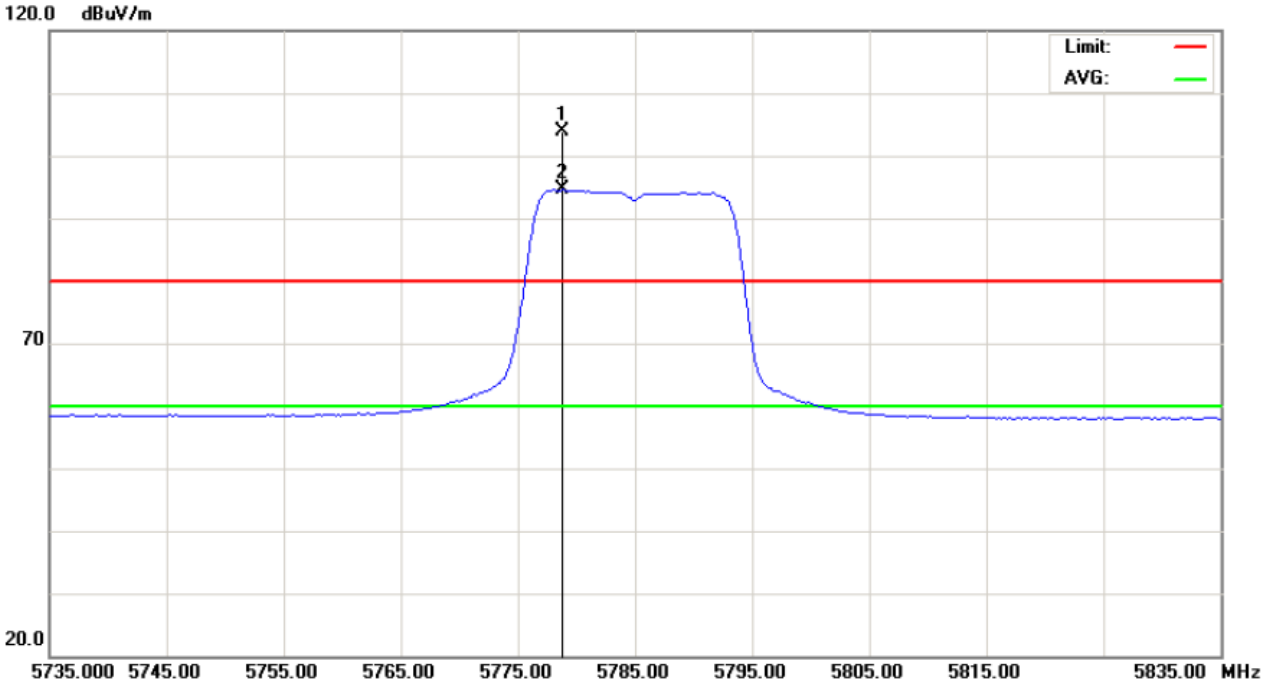
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

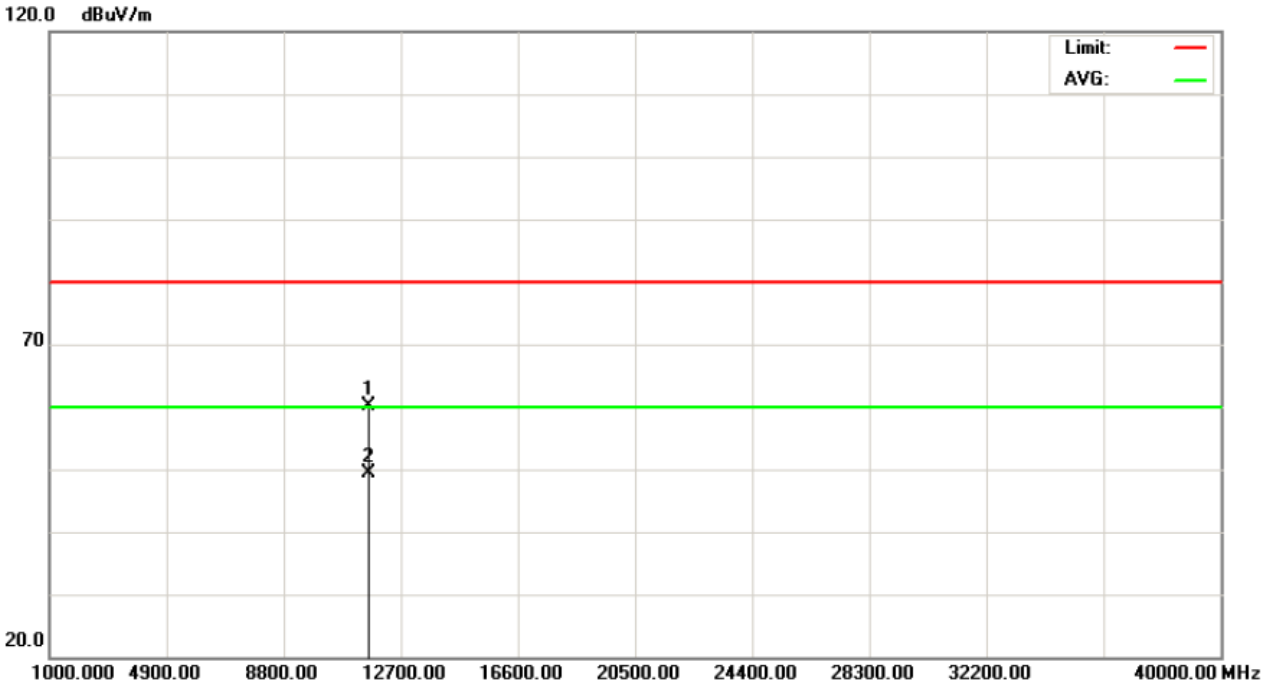
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y
802.11a/CH157 (Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11a/CH165		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5818.40	V	70.27	61.10	41.43	111.70	102.53			Y/F
11650.00	V	41.89	31.82	17.79	59.68	49.61	74.00	54.00	Y/E

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

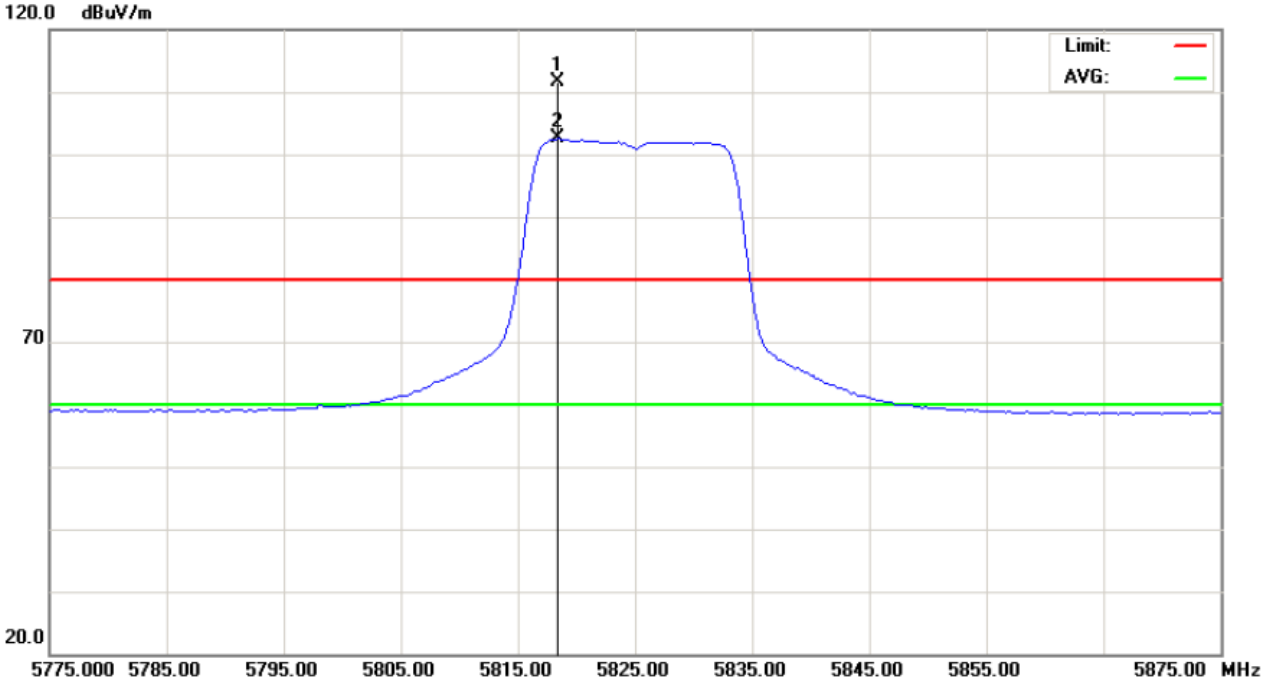
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

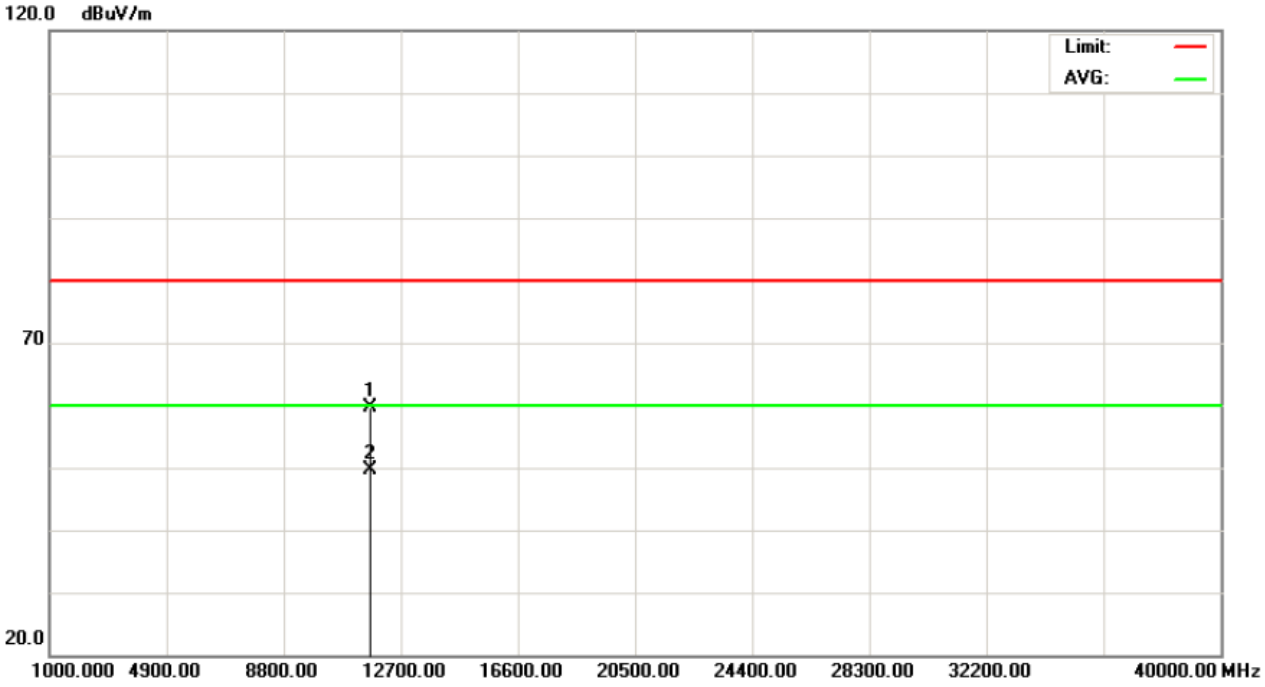
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y
802.11a/CH165(Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11a/CH165		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5818.80	H	63.92	54.83	41.43	105.35	96.26			Y/F
11650.00	H	42.91	31.25	17.79	60.70	49.04	74.00	54.00	Y/E

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

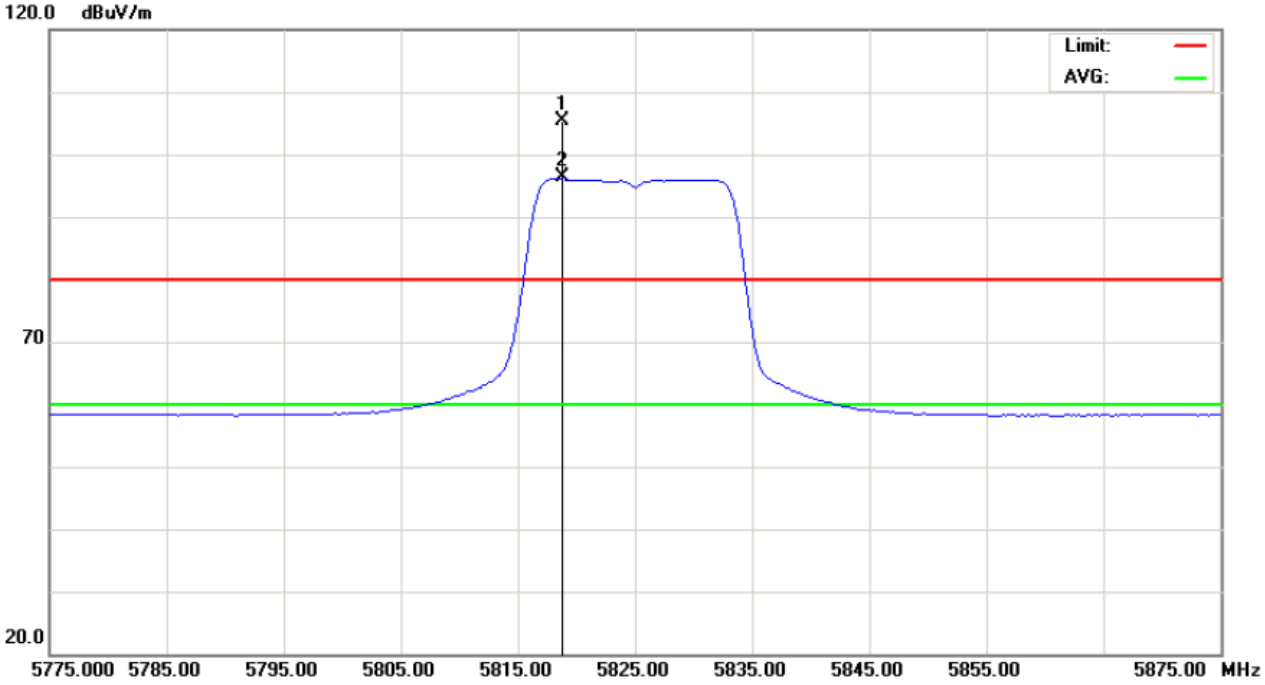
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

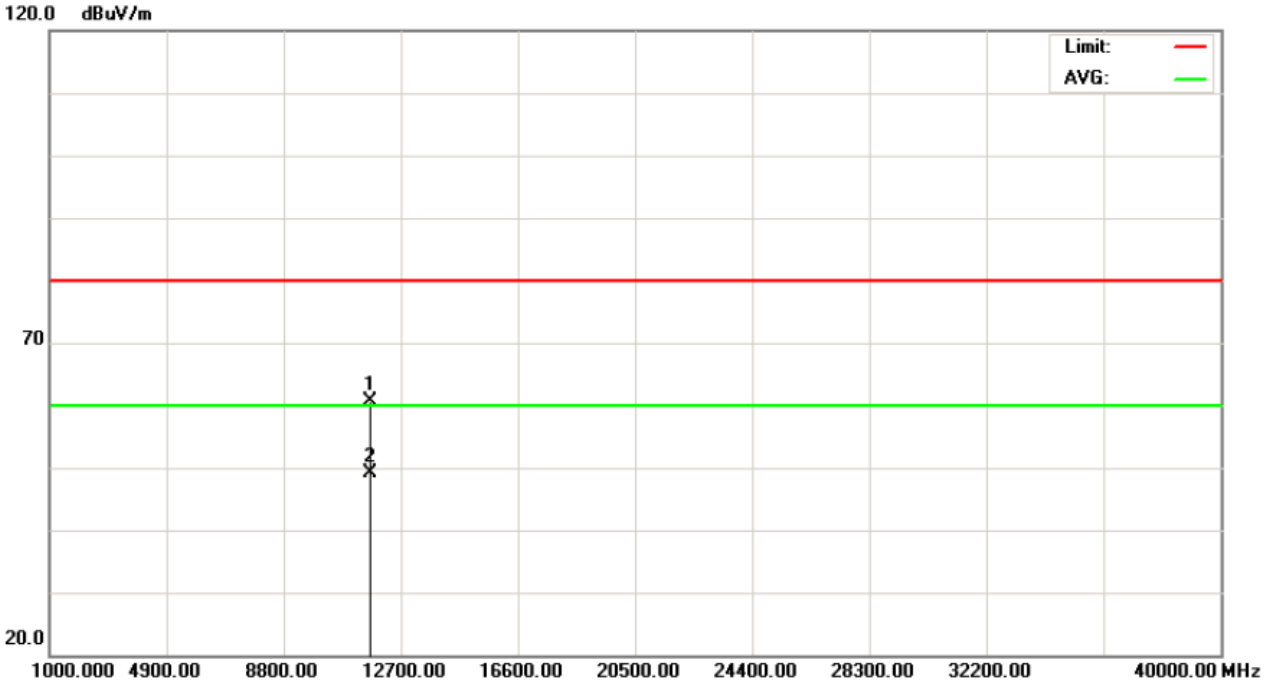
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y
802.11a/CH165 (Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH149(Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5740.80	V	73.18	62.17	41.23	114.41	103.40			Y/F
11489.98	V	42.55	30.93	17.99	60.54	48.92	74.00	54.00	Y/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

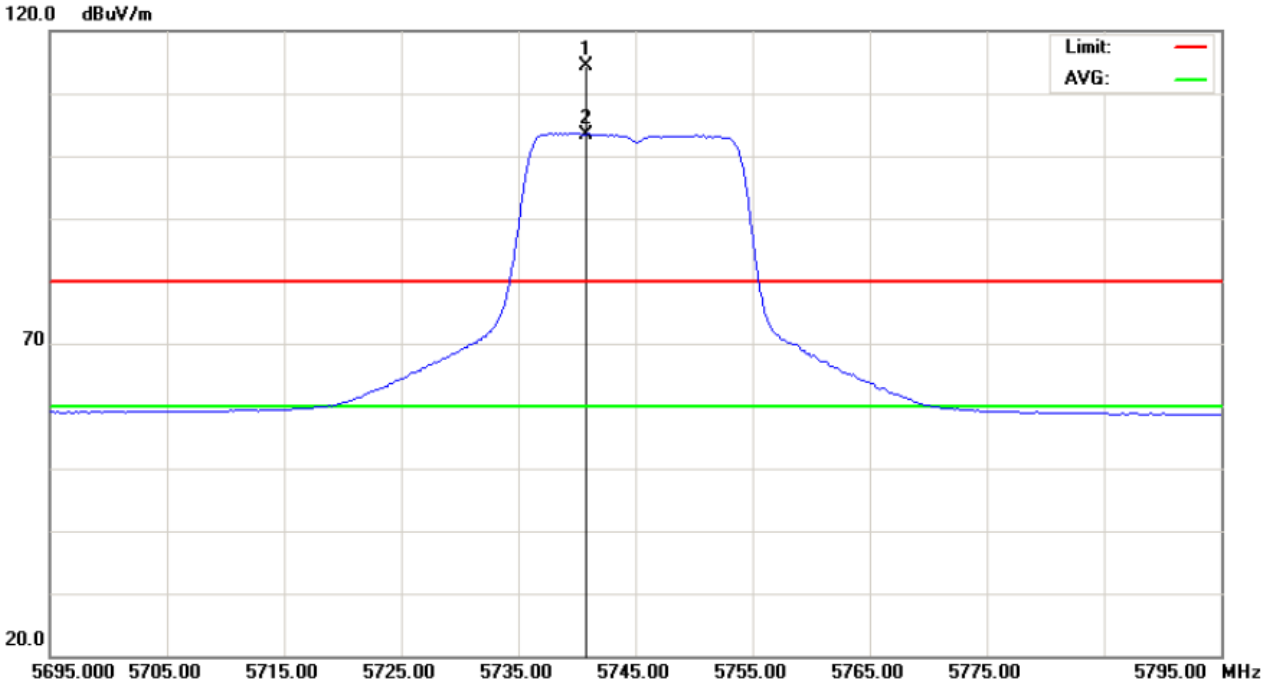
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

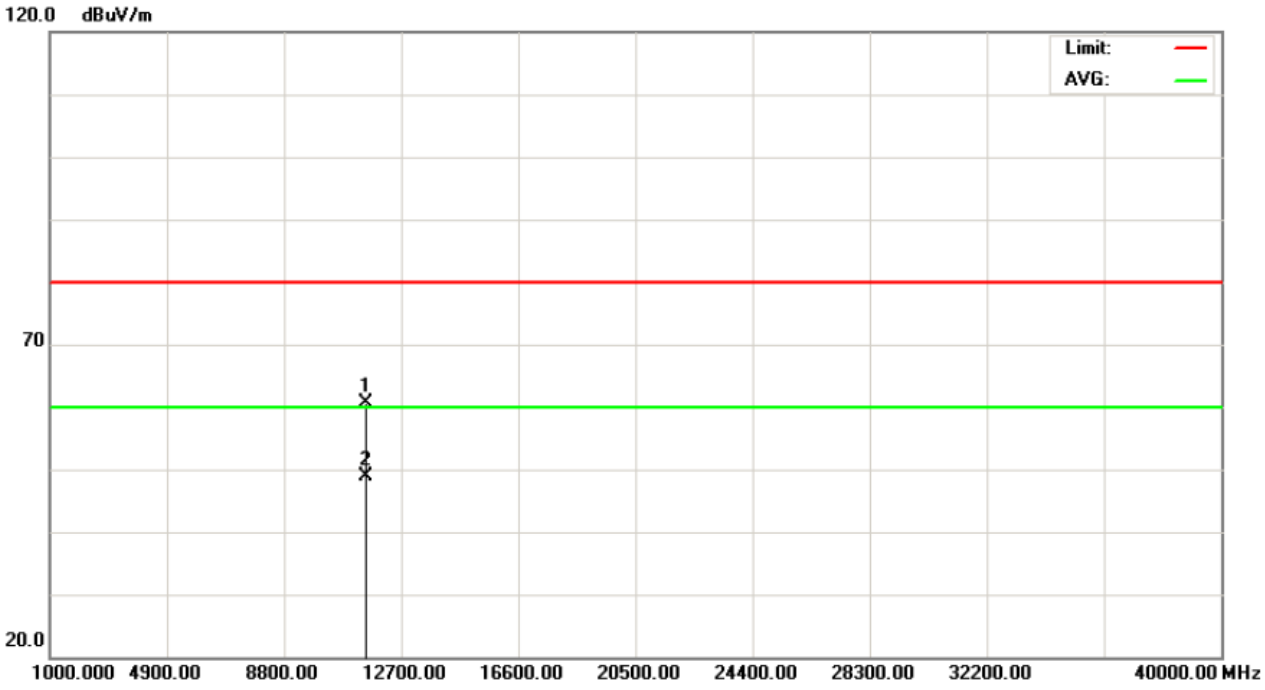
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y
802.11n/20M/CH149(Port 0 + Port 1) (Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH149(Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5738.00	H	64.77	54.83	41.22	105.99	96.05			Y/F
11489.98	H	42.29	30.99	17.99	60.28	48.98	74.00	54.00	Y/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

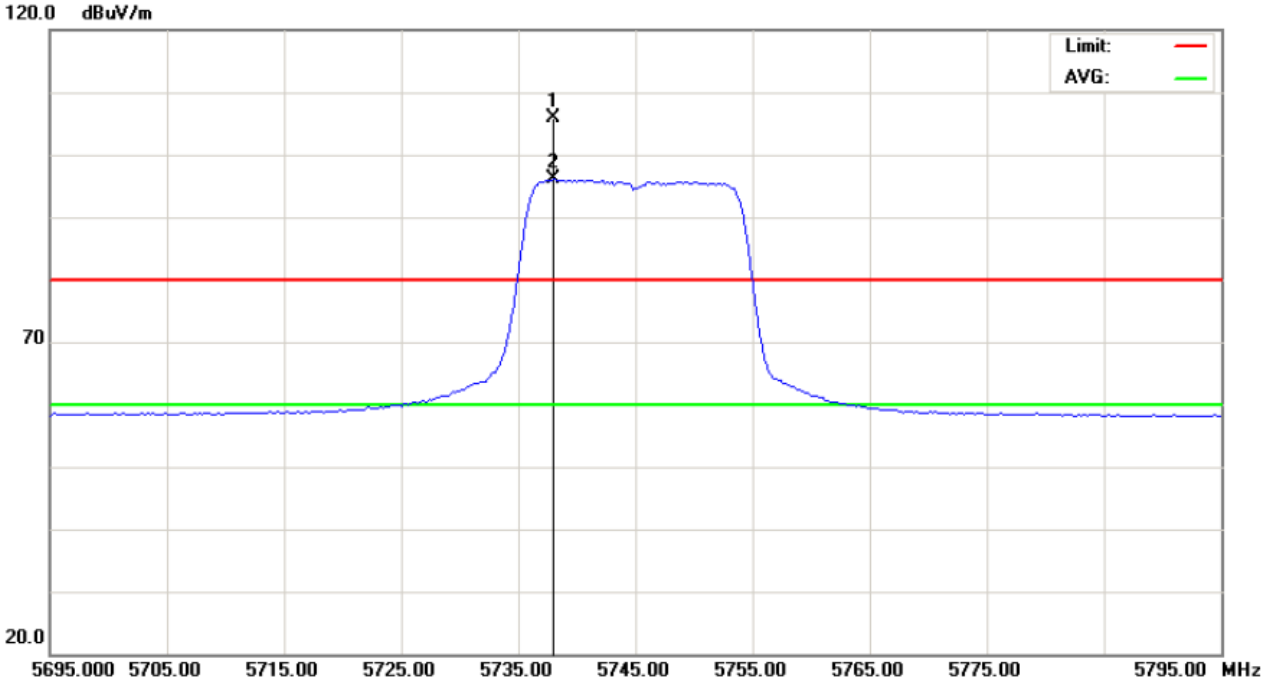
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

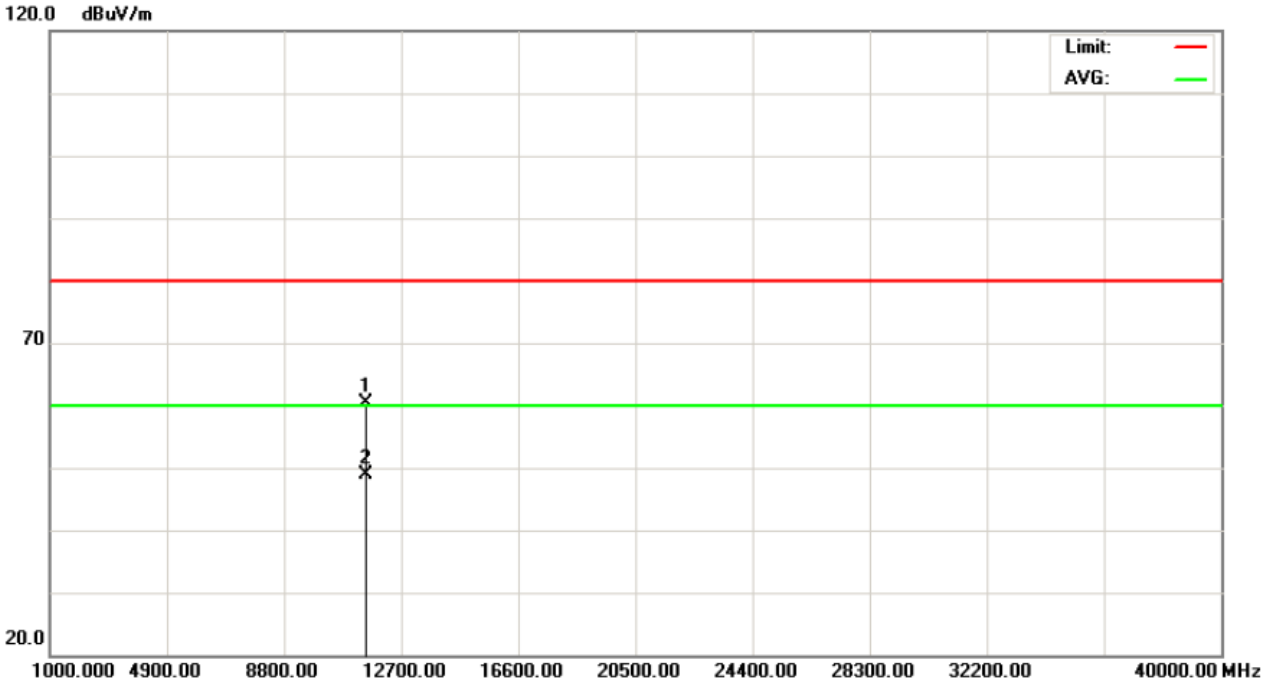
(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y

802.11n/20M/CH149 (Port 0 + Port 1) (Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH157 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5777.20	V	71.20	61.68	41.32	112.52	103.00			Y/F
11570.00	V	43.15	31.19	17.90	61.05	49.09	74.00	54.00	Y/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

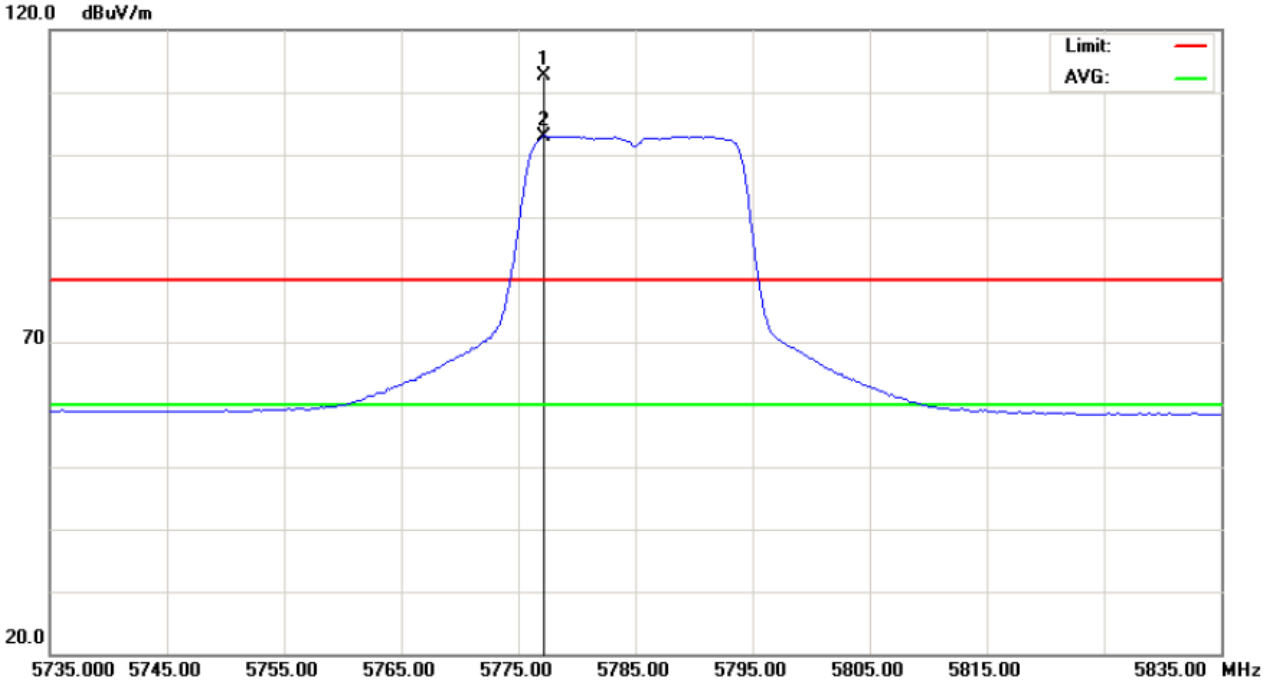
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

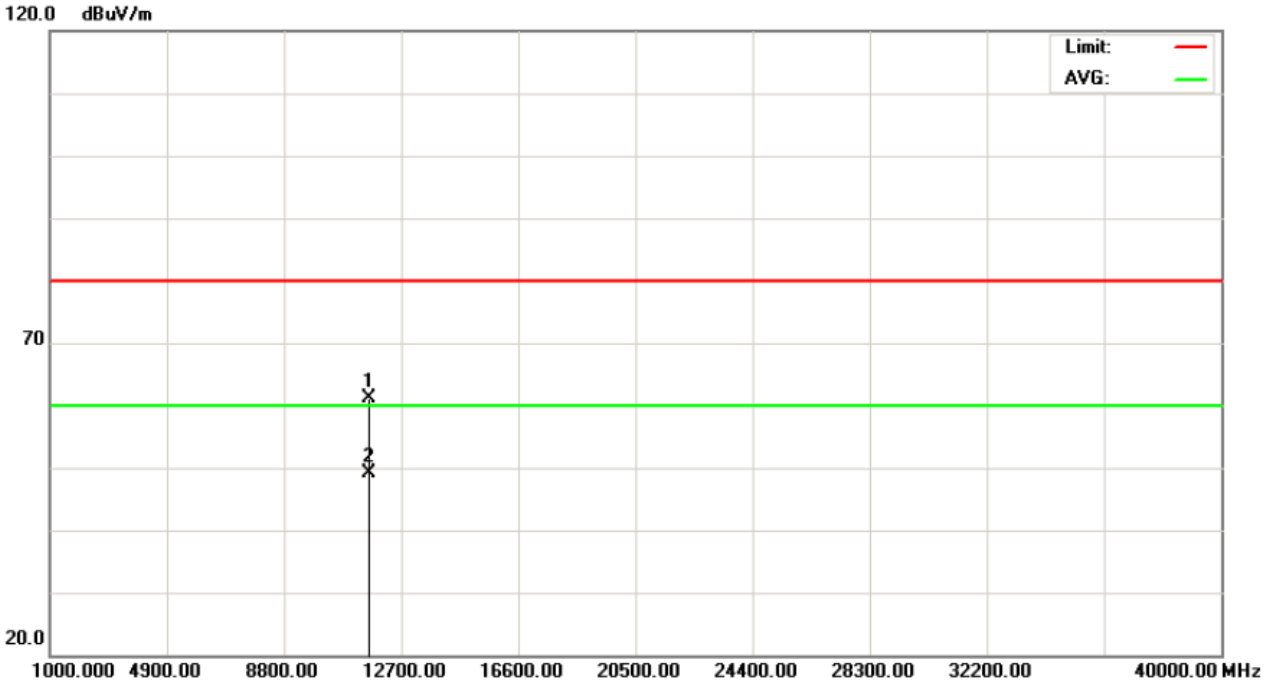
(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y

802.11n/20M/CH157(Port 0 + Port 1) (Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH157(Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5778.20	H	65.66	54.91	41.32	106.98	96.23			Y/F
11570.00	H	41.69	30.98	17.90	59.59	48.88	74.00	54.00	Y/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

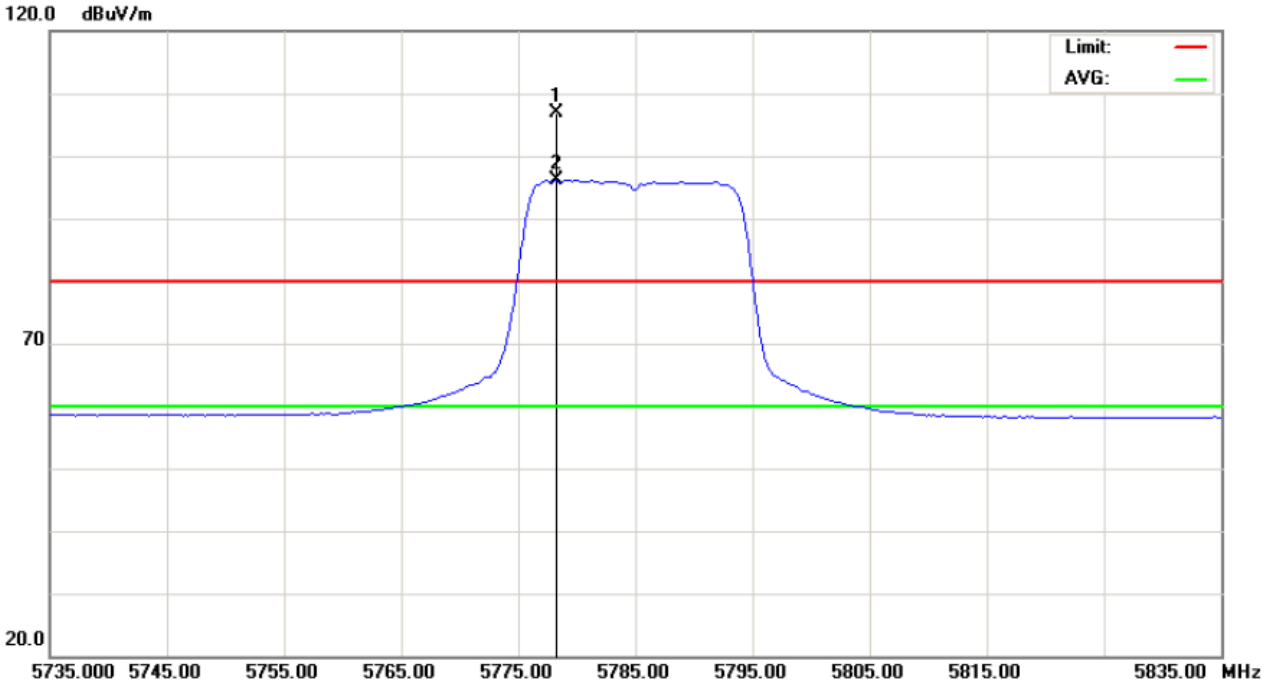
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

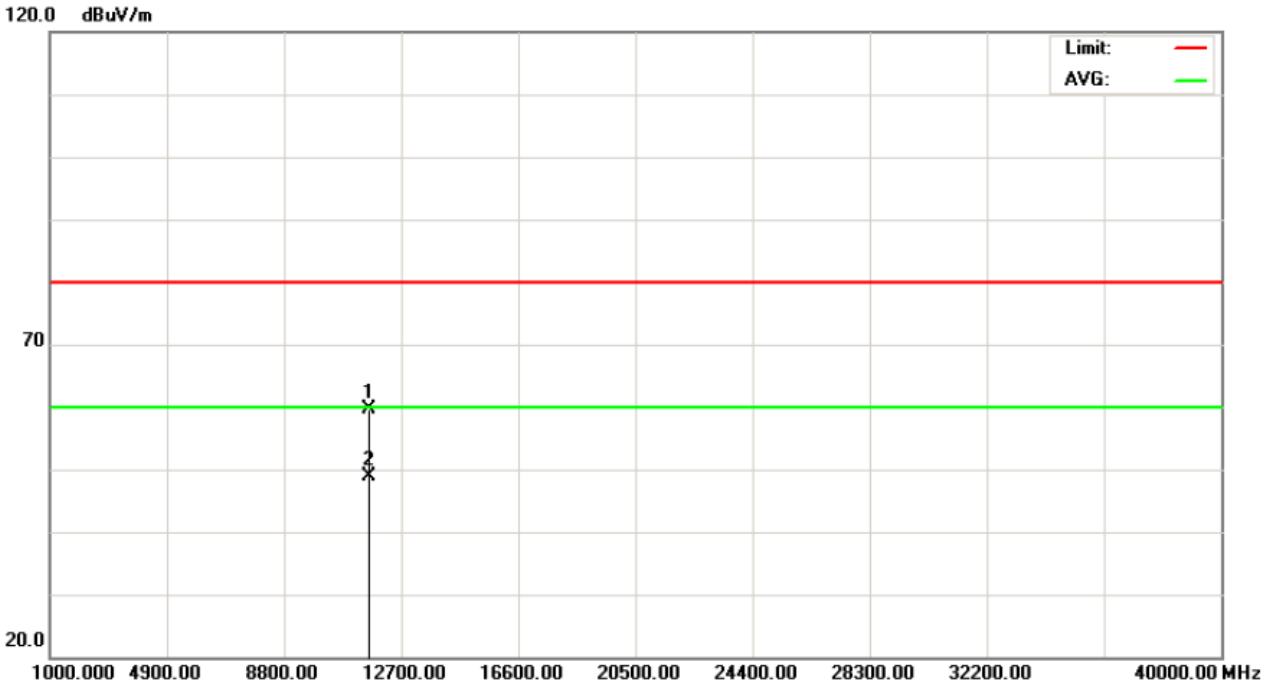
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y
802.11n/20M/CH157 (Port 0 + Port 1) (Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH165(Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5818.80	V	73.06	62.78	41.43	114.49	104.21			Y/F
11650.20	V	42.58	31.59	17.79	60.37	49.38	74.00	54.00	Y/E

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

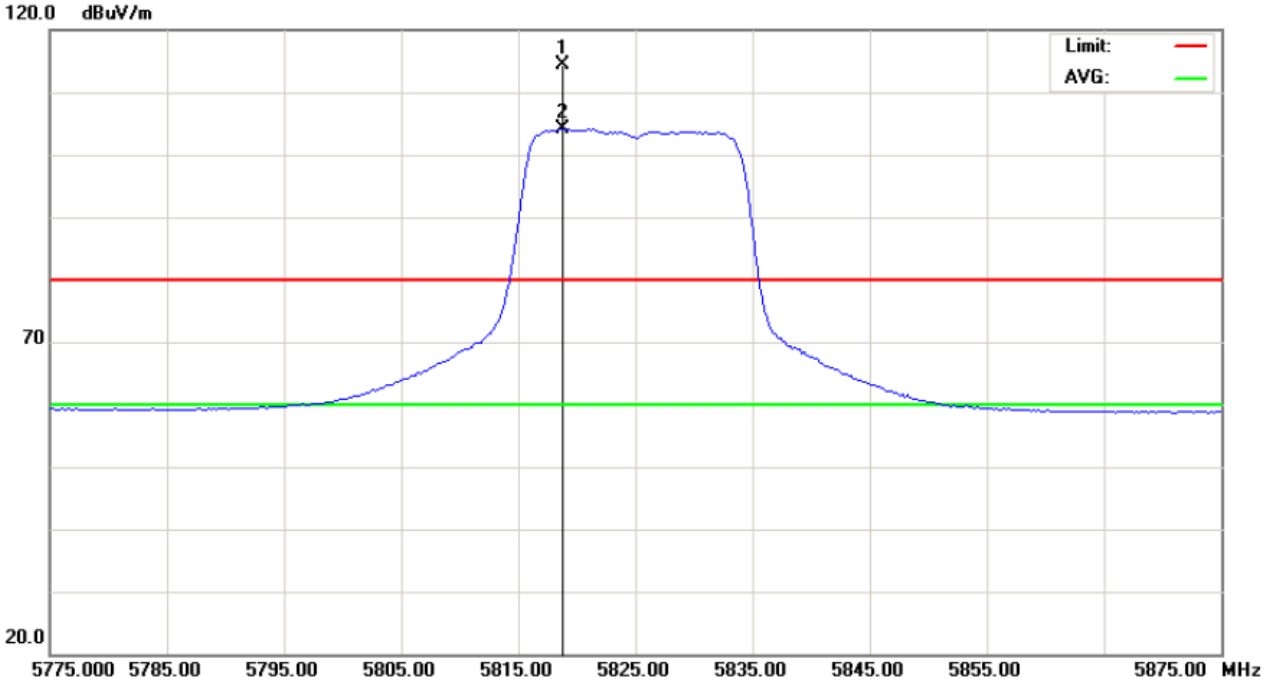
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

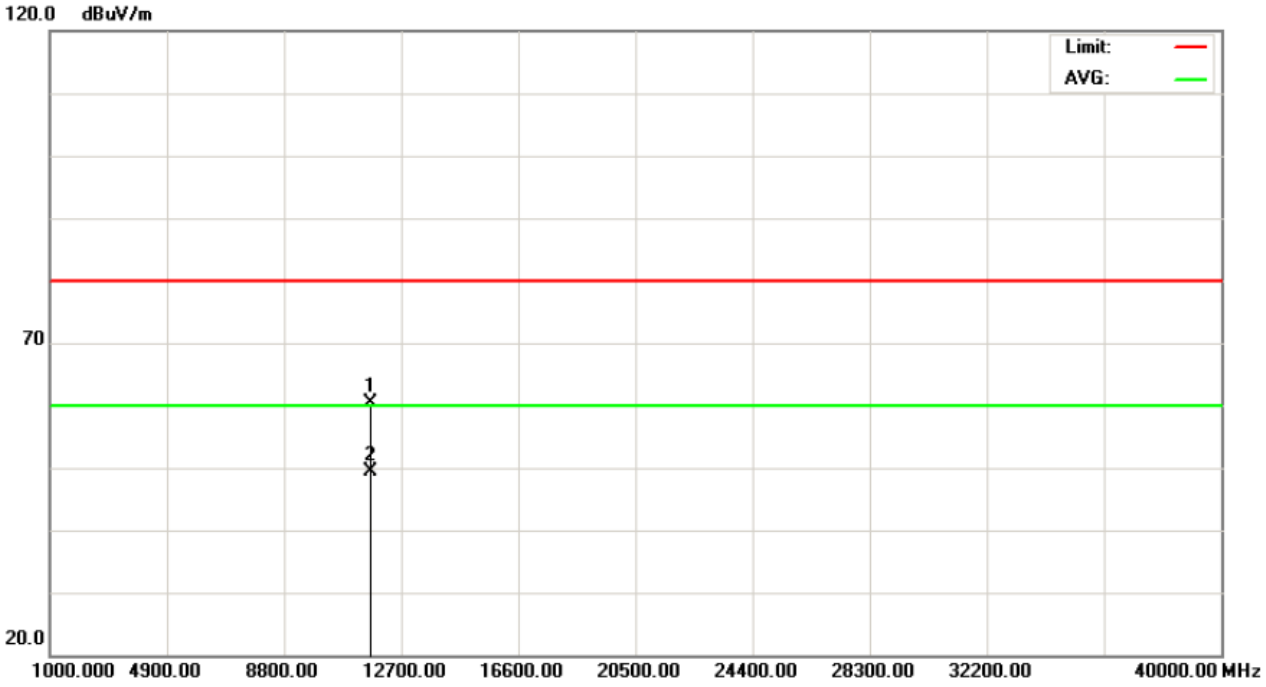
(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y

802.11n/20M/CH165(Port 0 + Port 1) (Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH165 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5818.80	H	66.02	54.96	41.43	107.45	96.39			Y/F
11650.40	H	42.39	31.33	17.79	60.18	49.12	74.00	54.00	Y/E

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

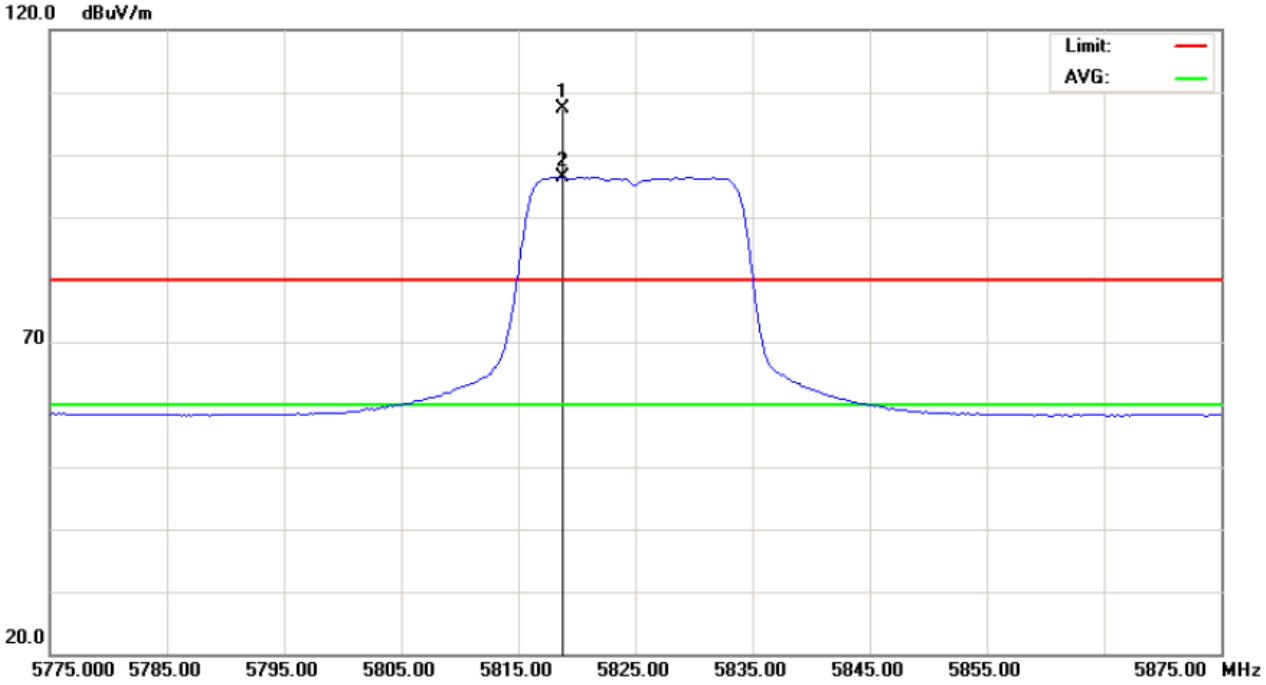
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

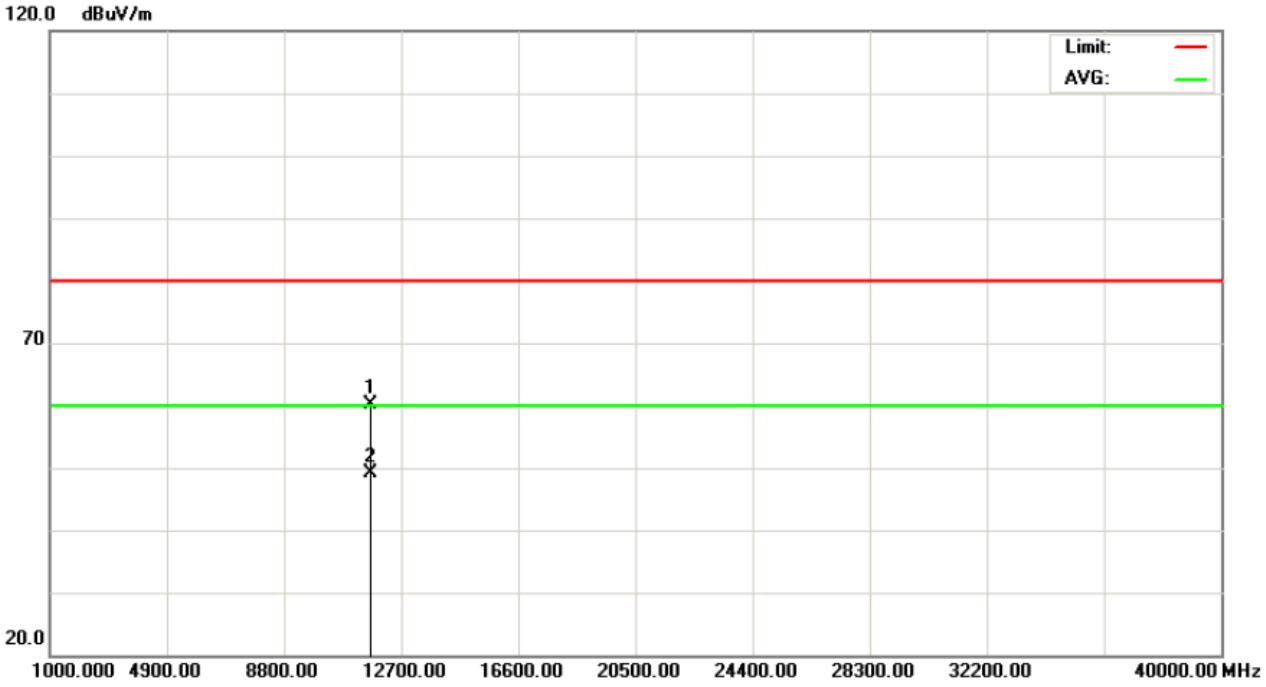
(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y

802.11n/20M/CH165 (Port 0 + Port 1) (Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH151 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5762.60	V	68.48	58.78	32.37	100.85	91.15			Y/F
11510.20	V	42.85	32.52	17.99	60.84	50.51	74.00	54.00	Y/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

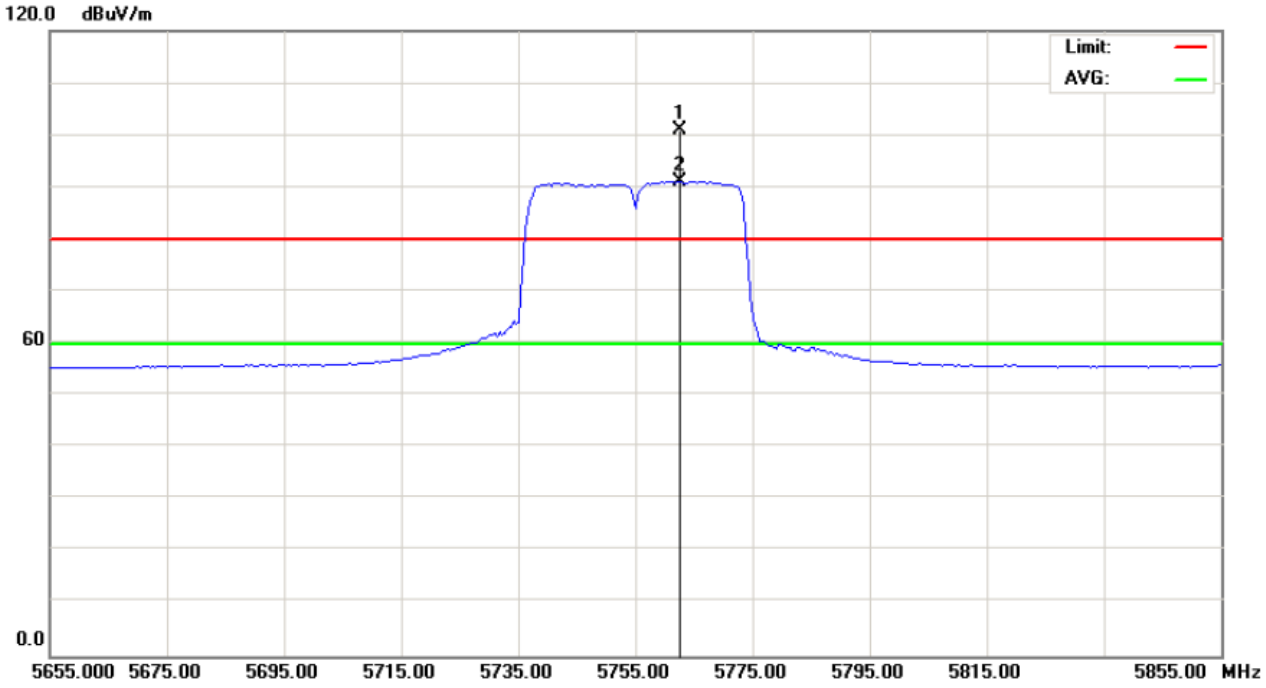
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

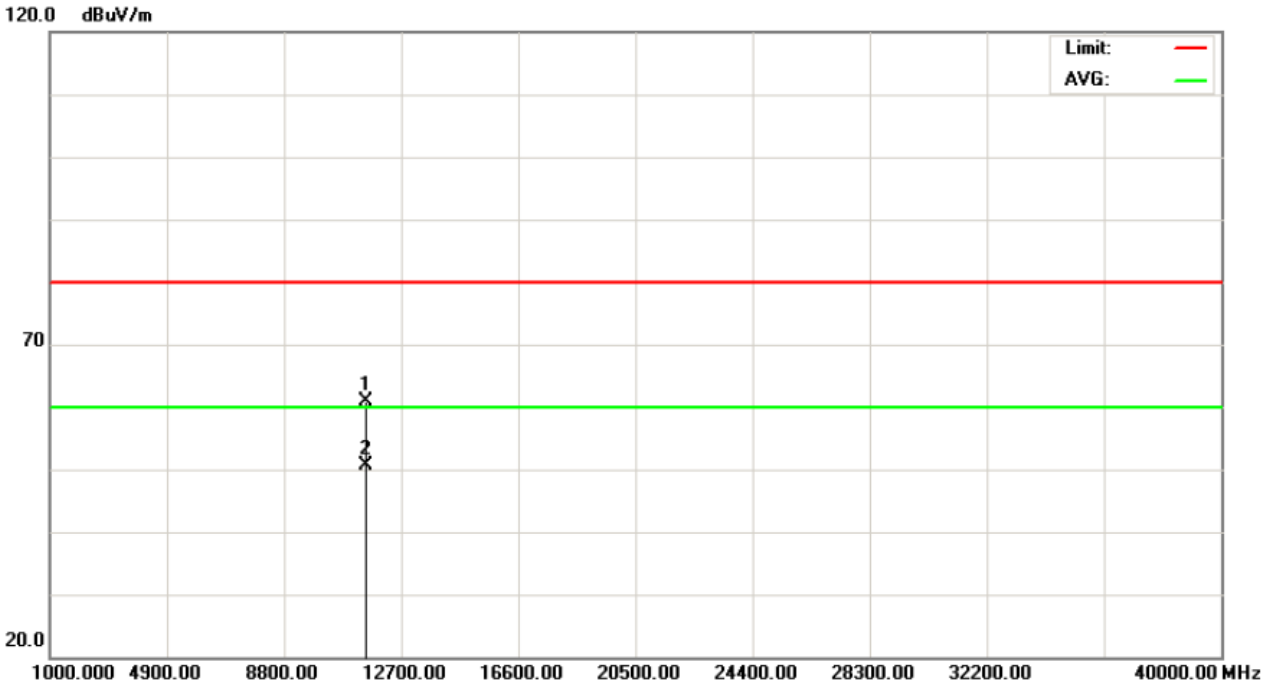
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y
802.11n/40M/CH151(Port 0 + Port 1) (Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH151 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5766.60	H	62.22	51.35	32.37	94.59	83.72			Y/F
11510.10	H	42.17	31.42	17.99	60.16	49.41	74.00	54.00	Y/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

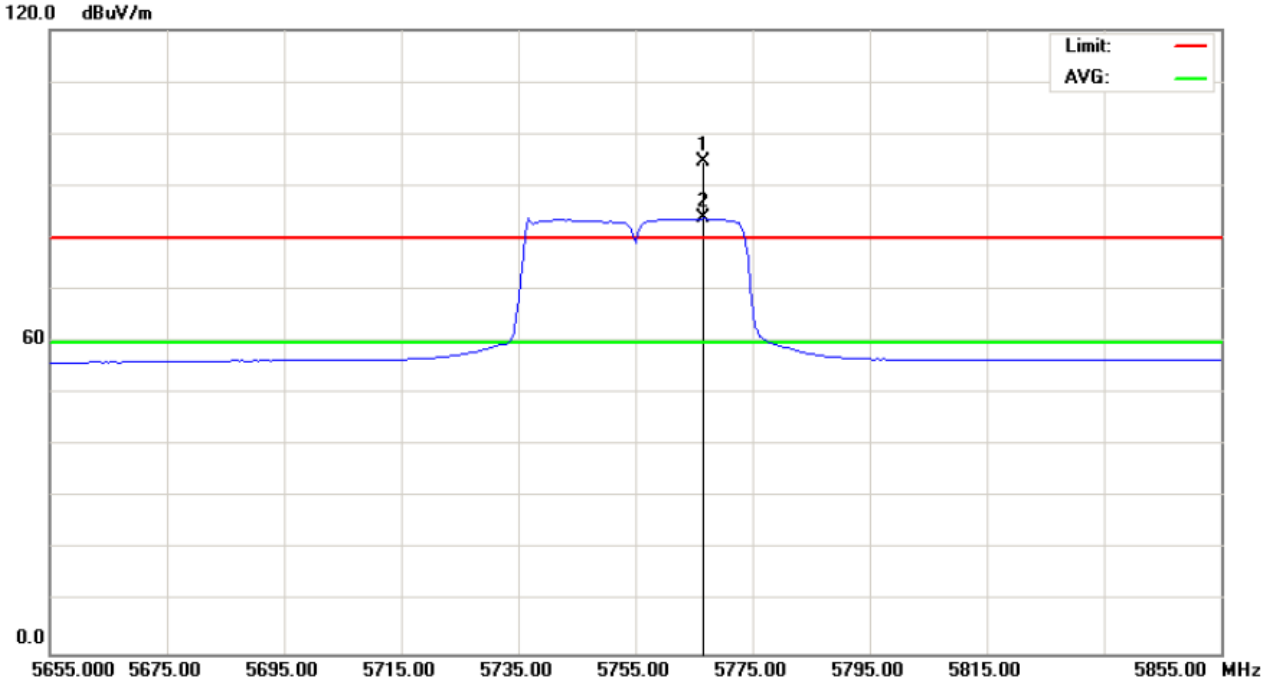
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

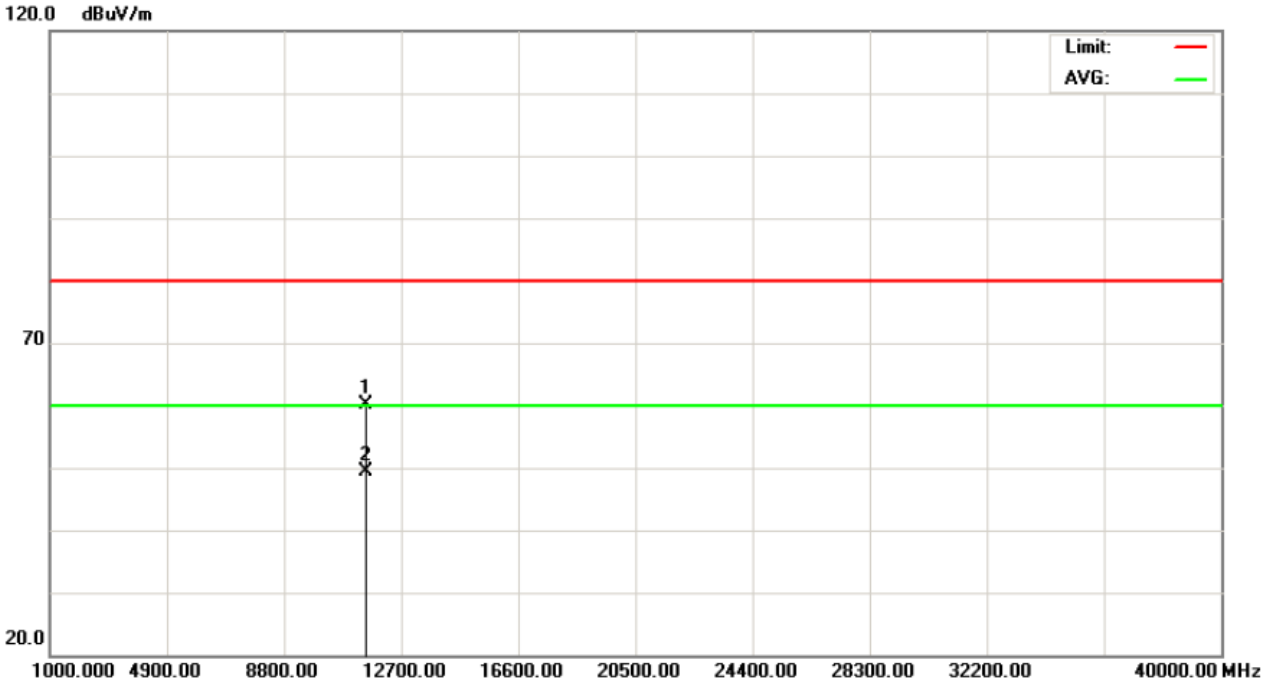
(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y

802.11n/40M/CH151 (Port 0 + Port 1) (Above 1000 MHz, Horizontal)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH159 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5792.60	V	68.73	58.20	32.41	101.14	90.61			Y/F
11590.02	V	42.12	31.54	17.87	59.99	49.41	74.00	54.00	Y/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

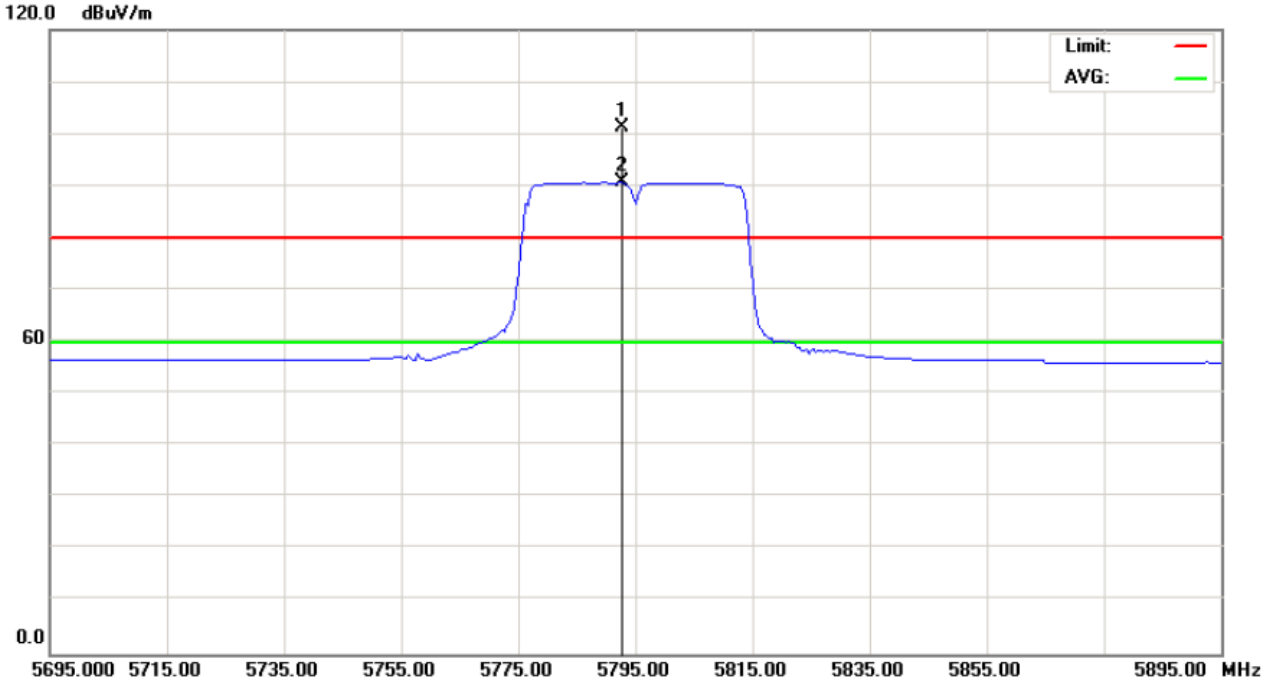
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

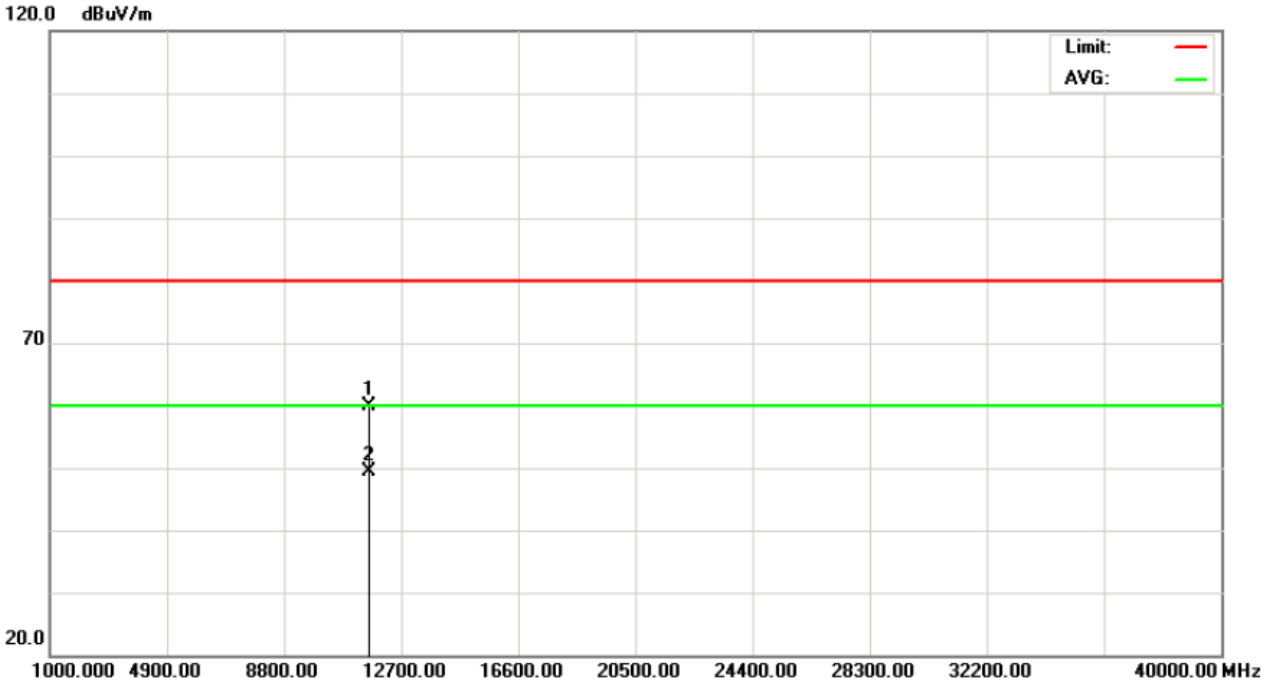
(8) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y

802.11n/40M/CH159(Port 0 + Port 1) (Above 1000 MHz, Vertical)





EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	22°C	Relative Humidity :	44 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH159 (Port. 0 + Port. 1)		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		Note
		Peak	AV		Peak	AV	Peak	AV	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
5792.60	H	62.38	51.84	32.41	94.79	84.25			Y/F
11590.02	H	43.07	32.63	17.87	60.94	50.50	74.00	54.00	Y/H

Remark：

(1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, 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.

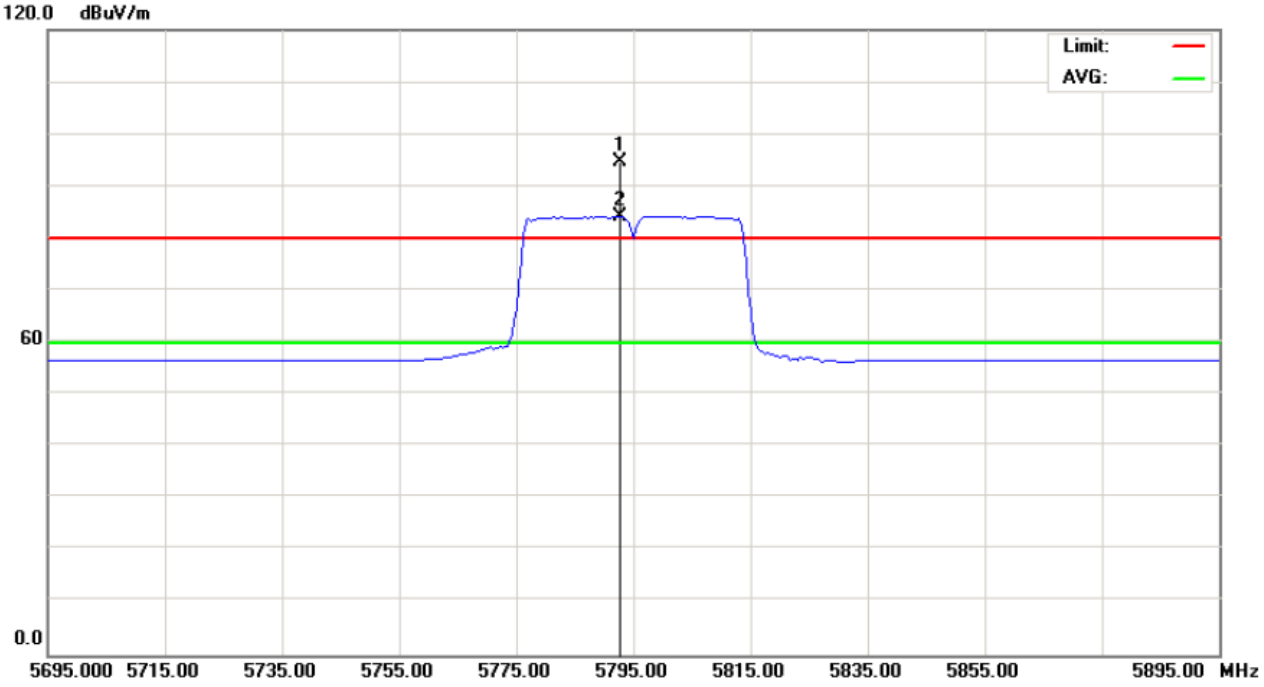
(6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

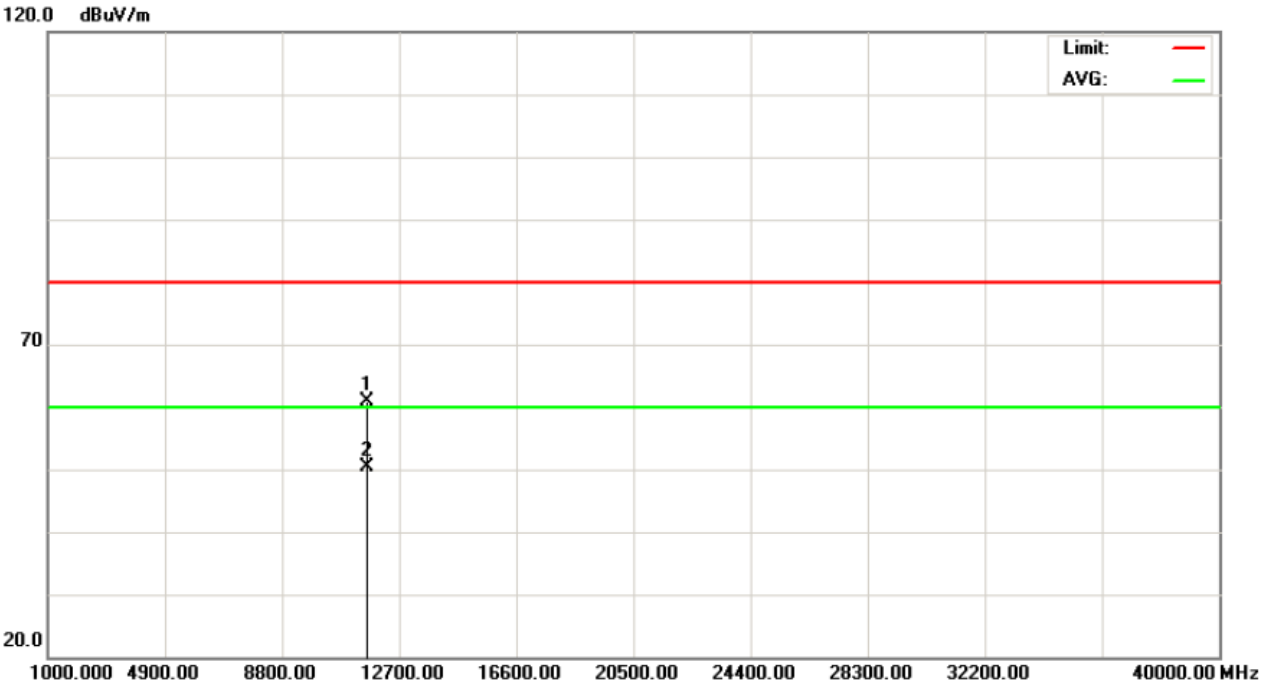
(7) EUT Orthogonal Axes：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(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.

(9) The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade form 3m to 1.5m
Distance extrapolation factor = 20 log (3m/1.5m) dB ;
Limit line = specific limits (dBuV) + 6 dB

Orthogonal Axis：Y
802.11n/40M/CH159(Port 0 + Port 1) (Above 1000 MHz, 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	Sep. 09, 2010

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

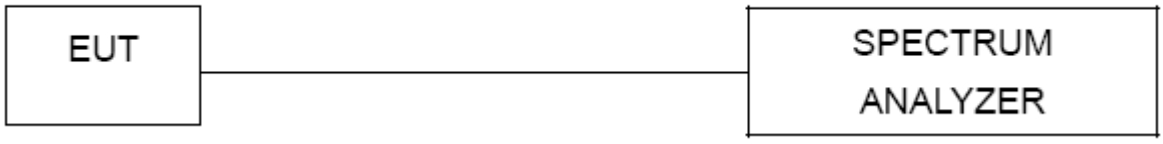
5.1.2 TEST PROCEDURE

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

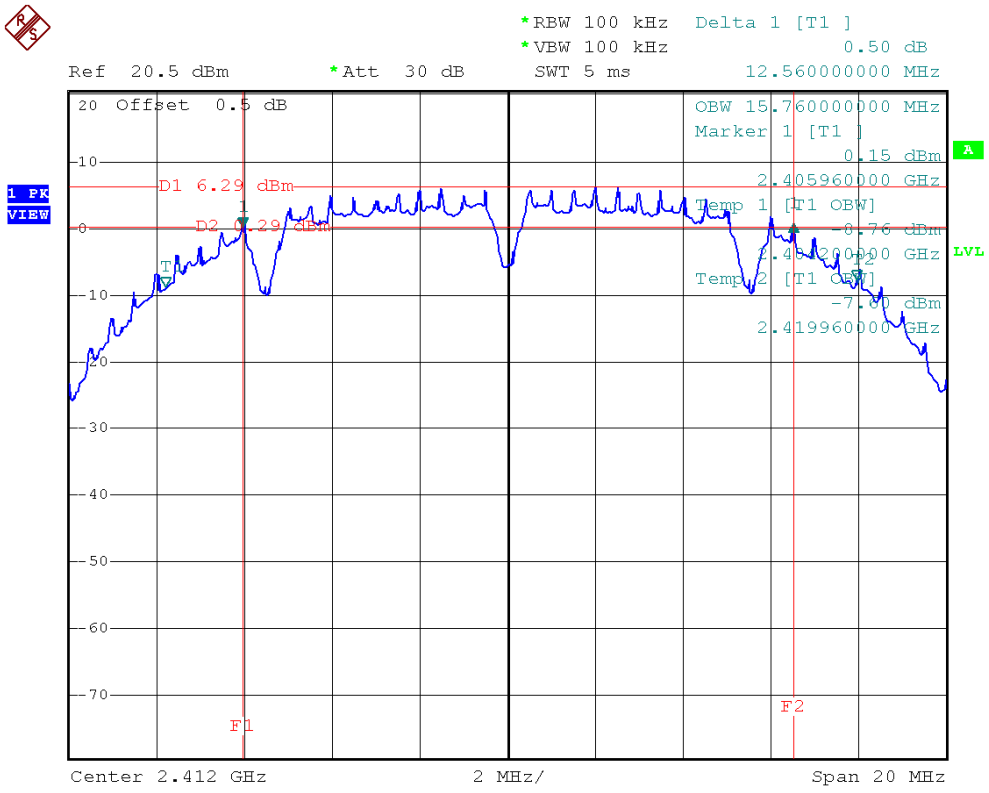
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.6 TEST RESULTS

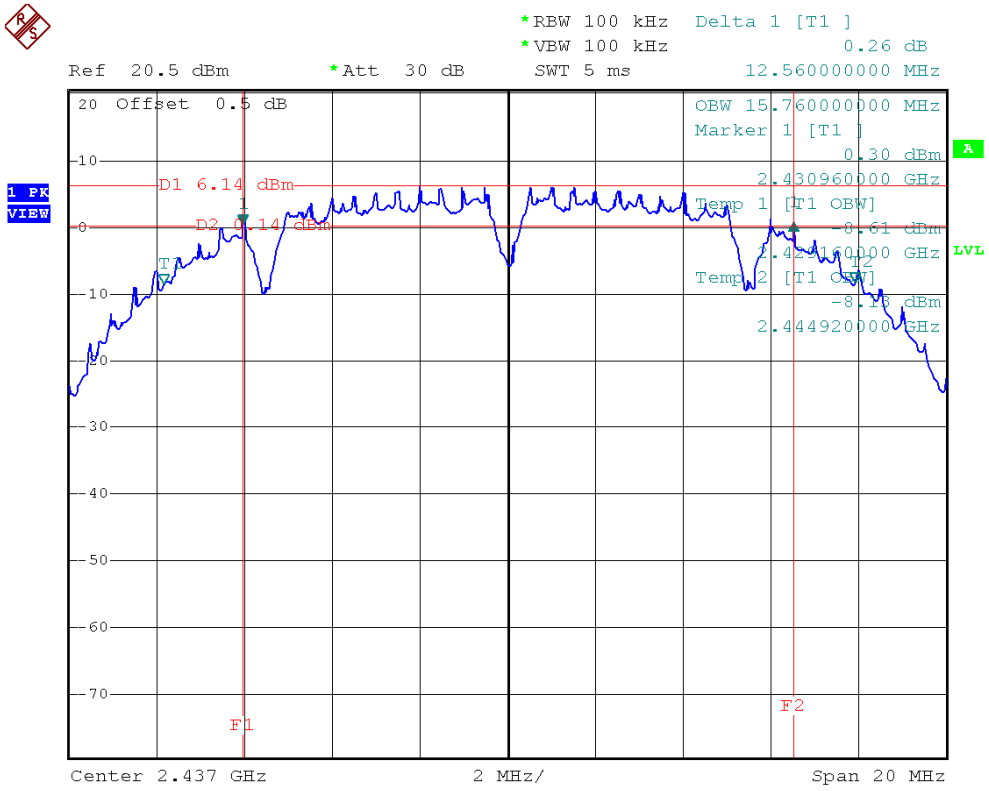
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11b/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH01	2412	12.56	>=500KHz
CH06	2437	12.56	>=500KHz
CH11	2462	13.04	>=500KHz

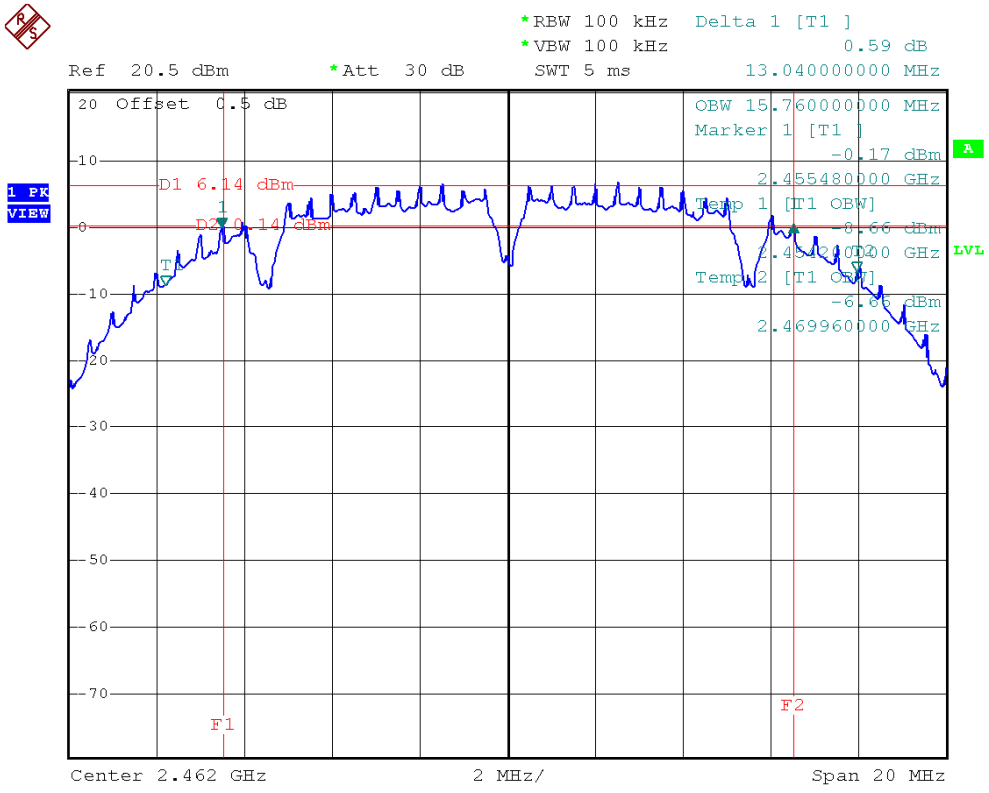
CH01



CH06


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 5 ms
Delta 1 [T1]
0.26 dB
12.560000000 MHz
20 Offset 0.5 dB
OBW 15.760000000 MHz
Marker 1 [T1]
0.30 dBm
2.430960000 GHz
Temp 1 [T1 OBW]
-0.61 dBm
2.444920000 GHz
D1 6.14 dBm
D2 0.14 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.437 GHz
2 MHz/
Span 20 MHz

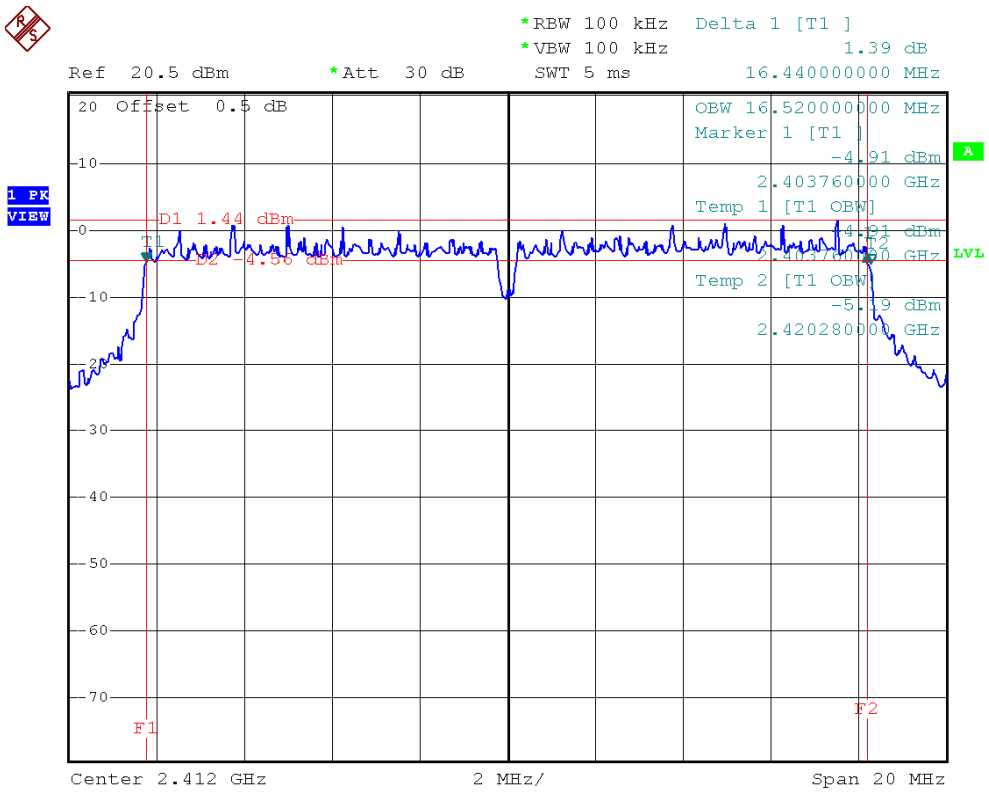
CH11


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 5 ms
Delta 1 [T1]
0.59 dB
13.040000000 MHz
20 Offset 0.5 dB
OBW 15.760000000 MHz
Marker 1 [T1]
-0.17 dBm
2.455480000 GHz
Temp 1 [T1 OBW]
-0.66 dBm
2.469960000 GHz
D1 6.14 dBm
D2 0.14 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.462 GHz
2 MHz/
Span 20 MHz

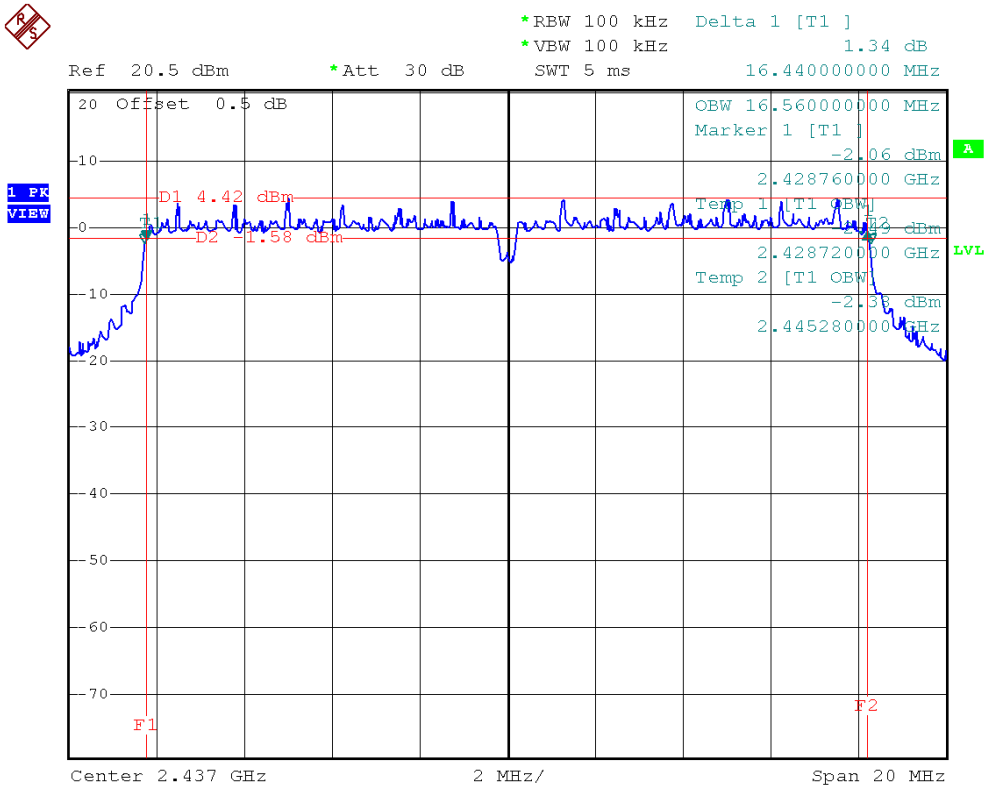
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11g/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH01	2412	16.44	>=500KHz
CH06	2437	16.44	>=500KHz
CH11	2462	16.40	>=500KHz

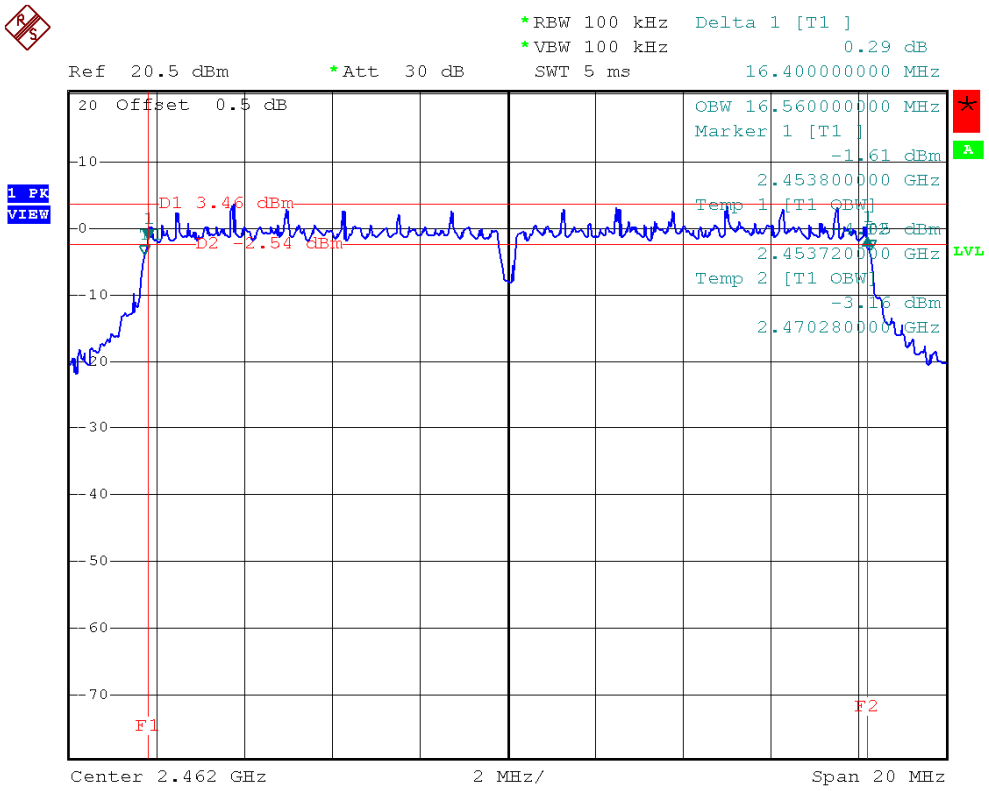
CH01



CH06


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 5 ms
Delta 1 [T1]
1.34 dB
16.440000000 MHz
20 Offset 0.5 dB
OBW 16.560000000 MHz
Marker 1 [T1]
-2.06 dBm
2.428760000 GHz
Temp 1 [T1 OBW]
-2.72 dBm
2.428720000 GHz
Temp 2 [T1 OBW
-2.38 dBm
2.445280000 GHz
D1 4.42 dBm
D2 -1.58 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.437 GHz
2 MHz/
Span 20 MHz

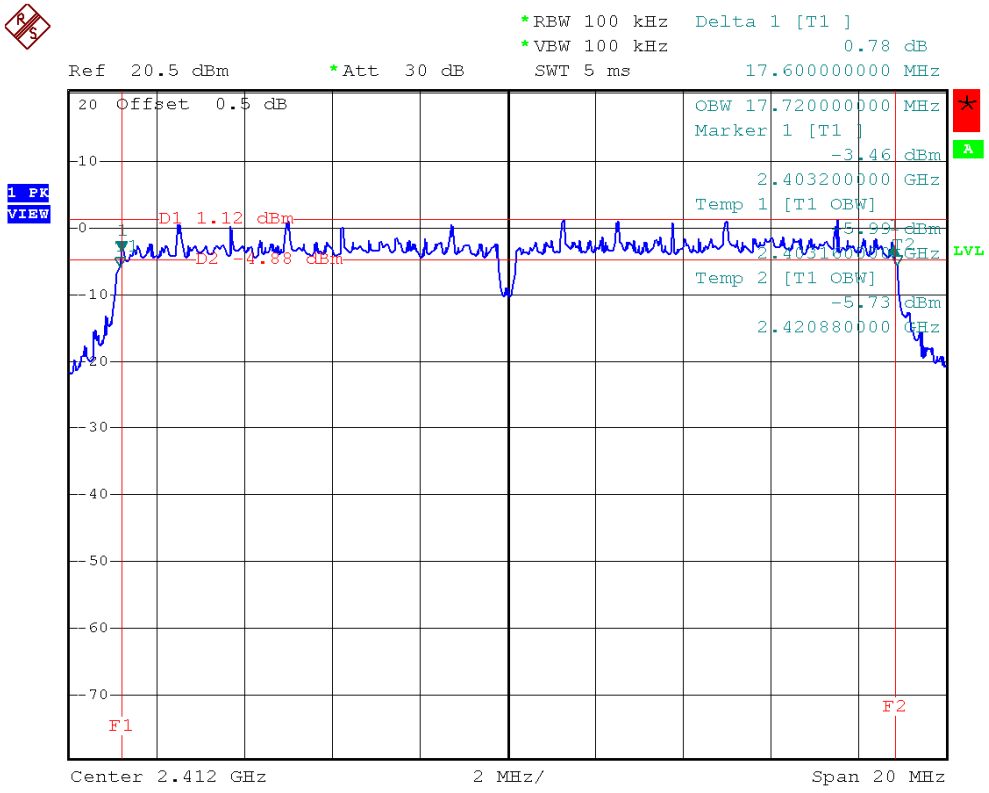
CH11


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 5 ms
Delta 1 [T1]
0.29 dB
16.400000000 MHz
20 Offset 0.5 dB
OBW 16.560000000 MHz
Marker 1 [T1]
-1.61 dBm
2.453800000 GHz
Temp 1 [T1 OBW]
-2.25 dBm
2.453720000 GHz
Temp 2 [T1 OBW
-3.16 dBm
2.470280000 GHz
D1 3.46 dBm
D2 -2.54 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.462 GHz
2 MHz/
Span 20 MHz

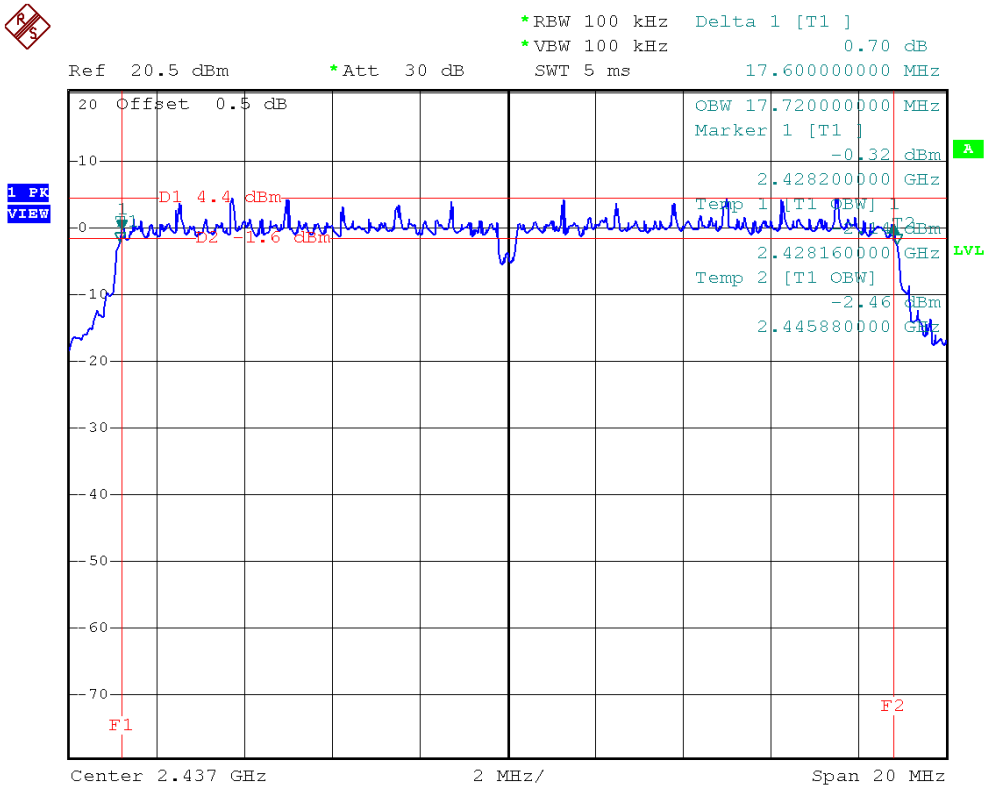
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH01, CH06, CH11 (Port. 0)		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH01	2412	17.60	>=500KHz
CH06	2437	17.60	>=500KHz
CH11	2462	17.60	>=500KHz

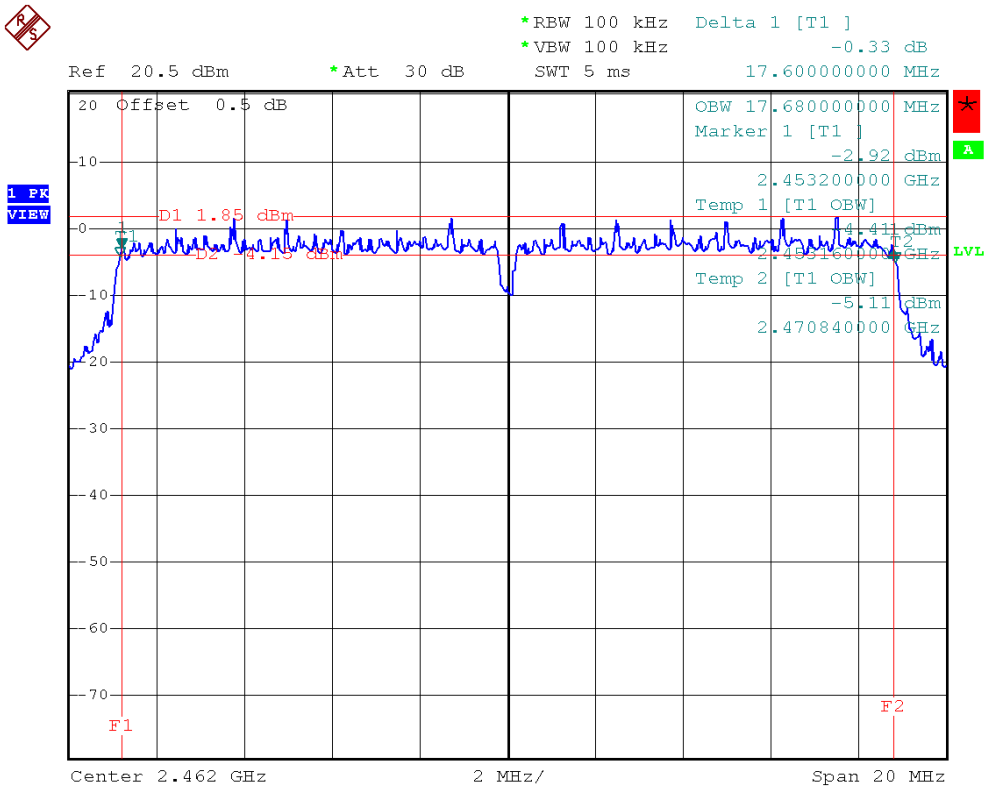
CH01



CH06


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 5 ms
Delta 1 [T1]
0.70 dB
17.600000000 MHz
Offset 0.5 dB
OBW 17.720000000 MHz
Marker 1 [T1]
-0.32 dBm
2.428200000 GHz
Temp 1 [T1 OBW]
2.428160000 GHz
Temp 2 [T1 OBW]
-2.46 dBm
2.445880000 GHz
D1 4.4 dBm
D2 -1.6 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.437 GHz
2 MHz/
Span 20 MHz

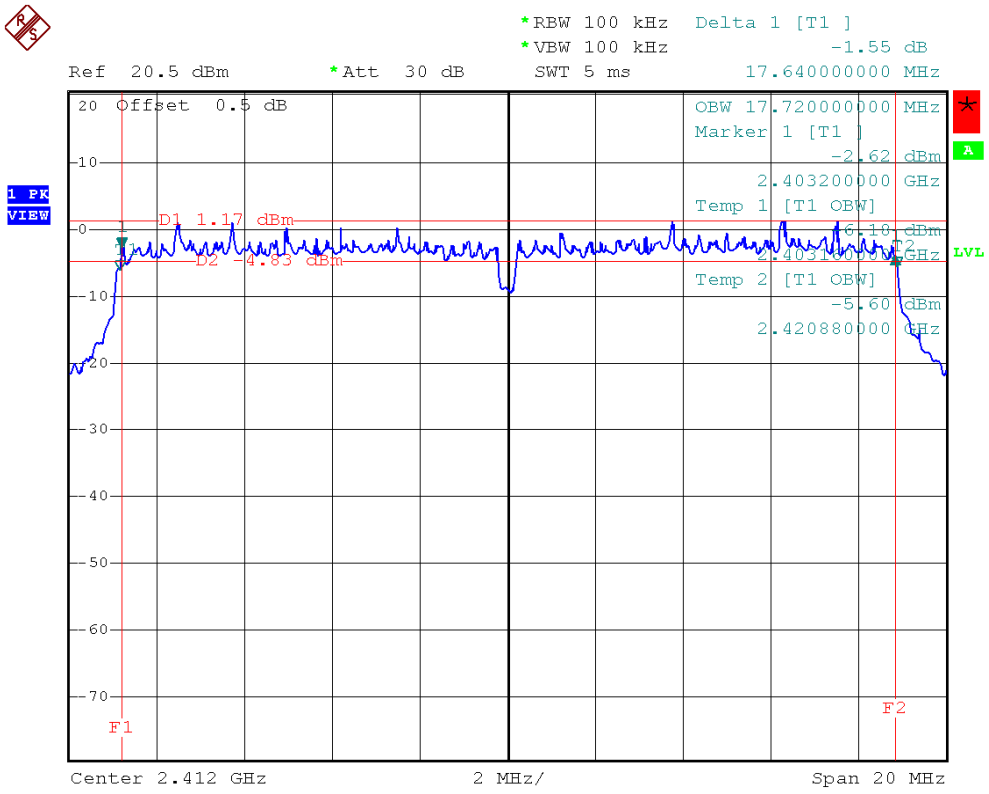
CH11


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 5 ms
Delta 1 [T1]
-0.33 dB
17.600000000 MHz
Offset 0.5 dB
OBW 17.680000000 MHz
Marker 1 [T1]
-2.92 dBm
2.453200000 GHz
Temp 1 [T1 OBW]
Temp 2 [T1 OBW]
-5.11 dBm
2.470840000 GHz
D1 1.85 dBm
D2 -4.15 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.462 GHz
2 MHz/
Span 20 MHz

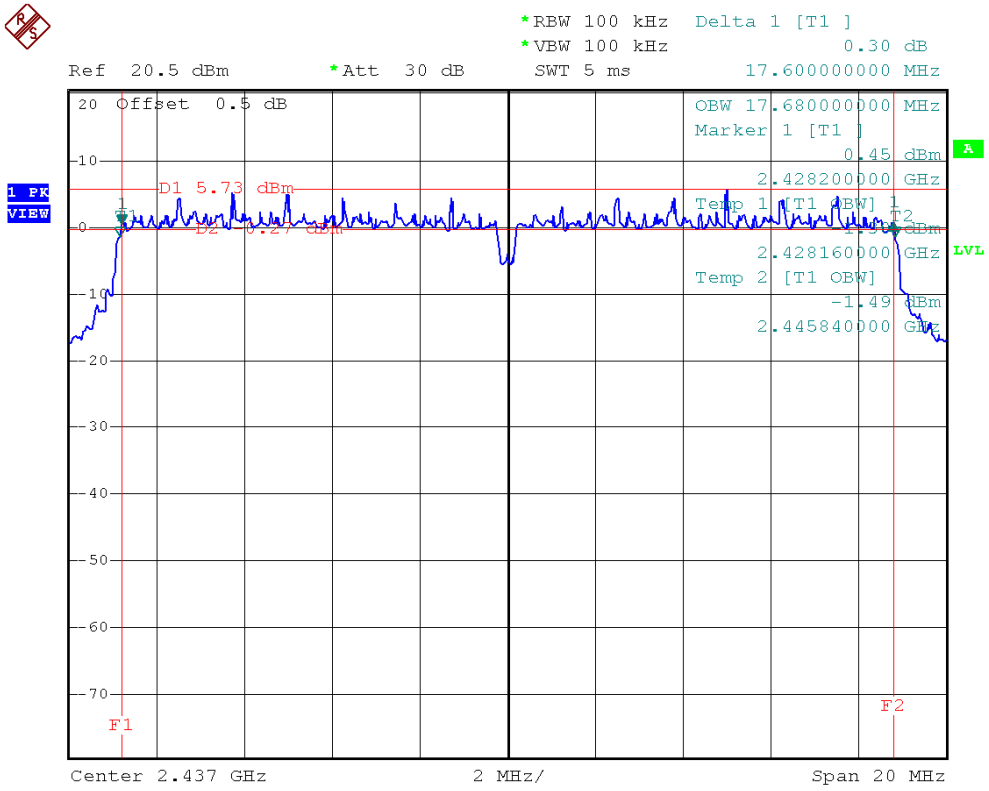
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH01, CH06, CH11 (Port. 1)		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH01	2412	17.64	>=500KHz
CH06	2437	17.60	>=500KHz
CH11	2462	17.60	>=500KHz

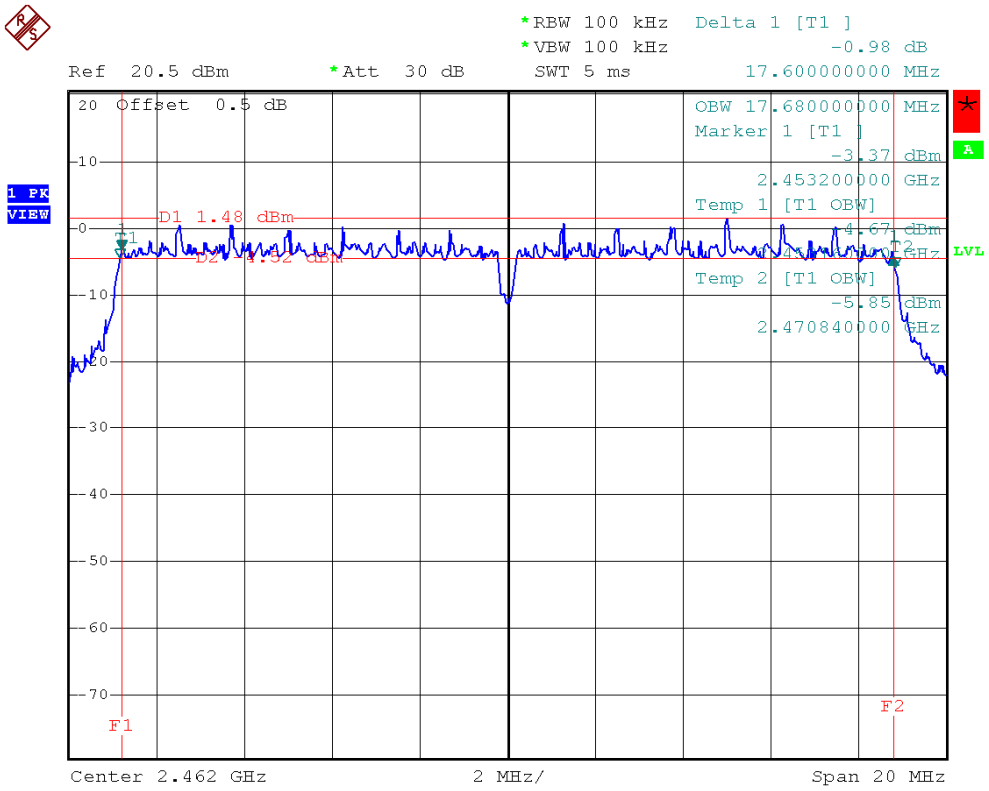
CH01



CH06


*RBW 100 kHz
*VBW 100 kHz
Delta 1 [T1]
0.30 dB
17.600000000 MHz
Ref 20.5 dBm
*Att 30 dB
SWT 5 ms
20 Offset 0.5 dB
OBW 17.680000000 MHz
Marker 1 [T1]
0.45 dBm
2.428200000 GHz
Temp 1 [T1 OBW]
-1.49 dBm
2.428160000 GHz
Temp 2 [T1 OBW]
-1.49 dBm
2.445840000 GHz
D1 5.73 dBm
D2 0.27 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.437 GHz
2 MHz/
Span 20 MHz

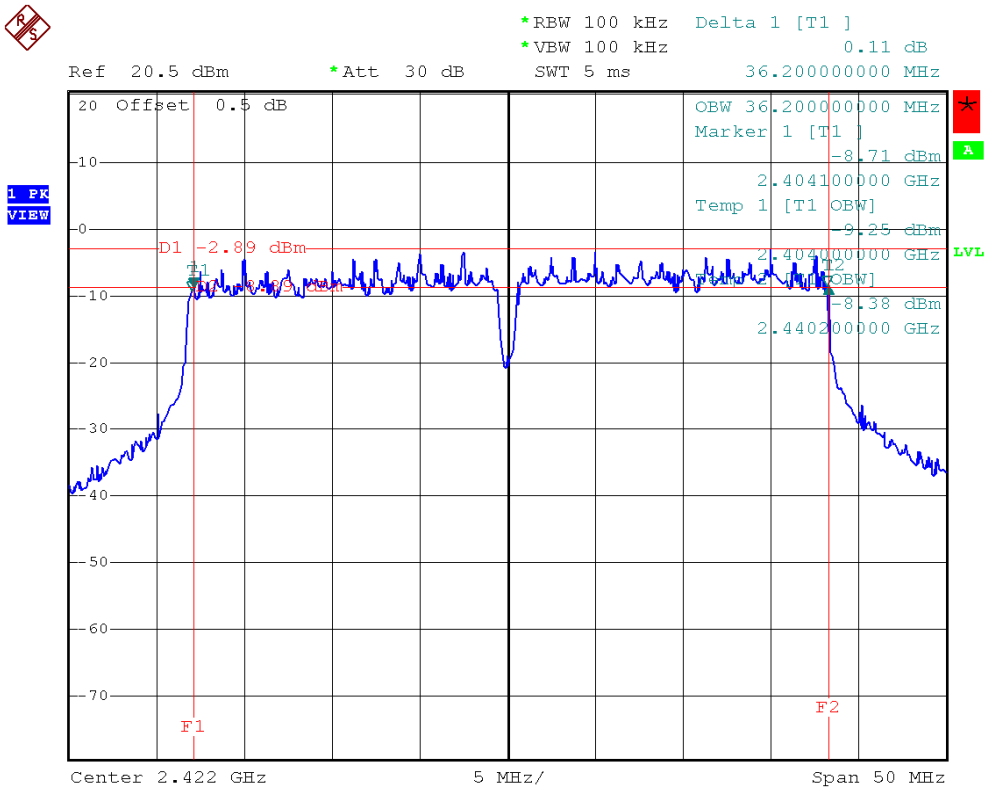
CH11


*RBW 100 kHz
*VBW 100 kHz
Delta 1 [T1]
-0.98 dB
17.600000000 MHz
Ref 20.5 dBm
*Att 30 dB
SWT 5 ms
20 Offset 0.5 dB
OBW 17.680000000 MHz
Marker 1 [T1]
-3.37 dBm
2.453200000 GHz
Temp 1 [T1 OBW]
-4.67 dBm
2.453160000 GHz
Temp 2 [T1 OBW]
-5.85 dBm
2.470840000 GHz
D1 1.48 dBm
D2 -4.52 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.462 GHz
2 MHz/
Span 20 MHz

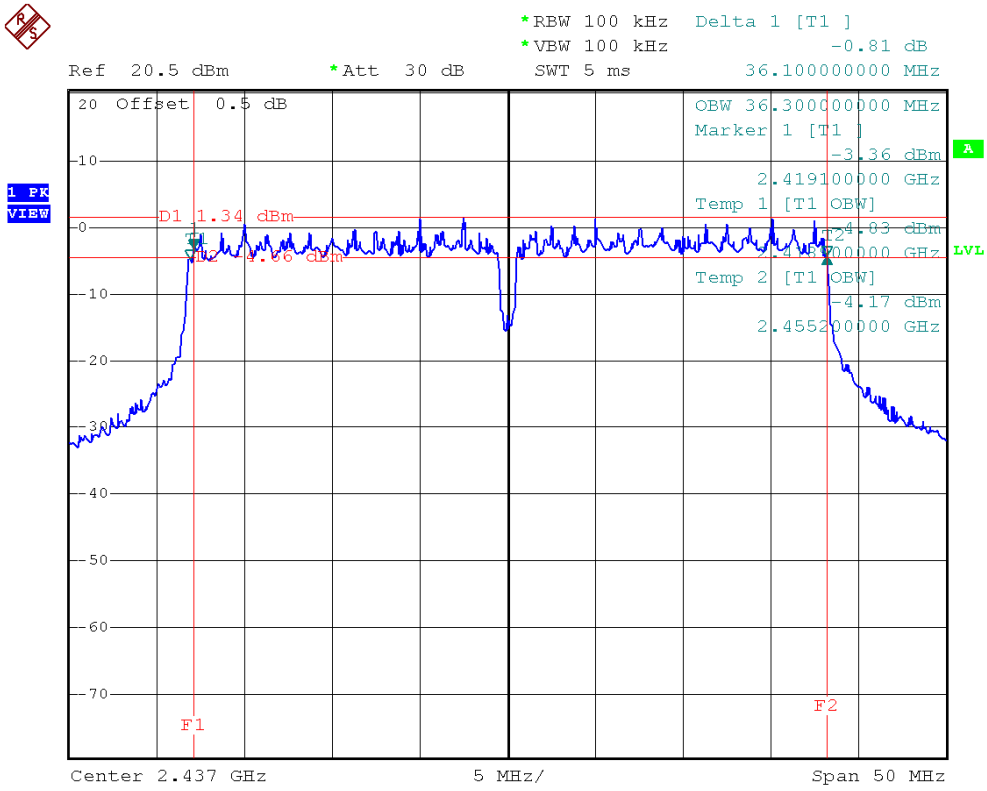
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH03, CH06, CH09 (Port. 0)		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH03	2422	36.20	>=500KHz
CH06	2437	36.10	>=500KHz
CH09	2452	36.30	>=500KHz

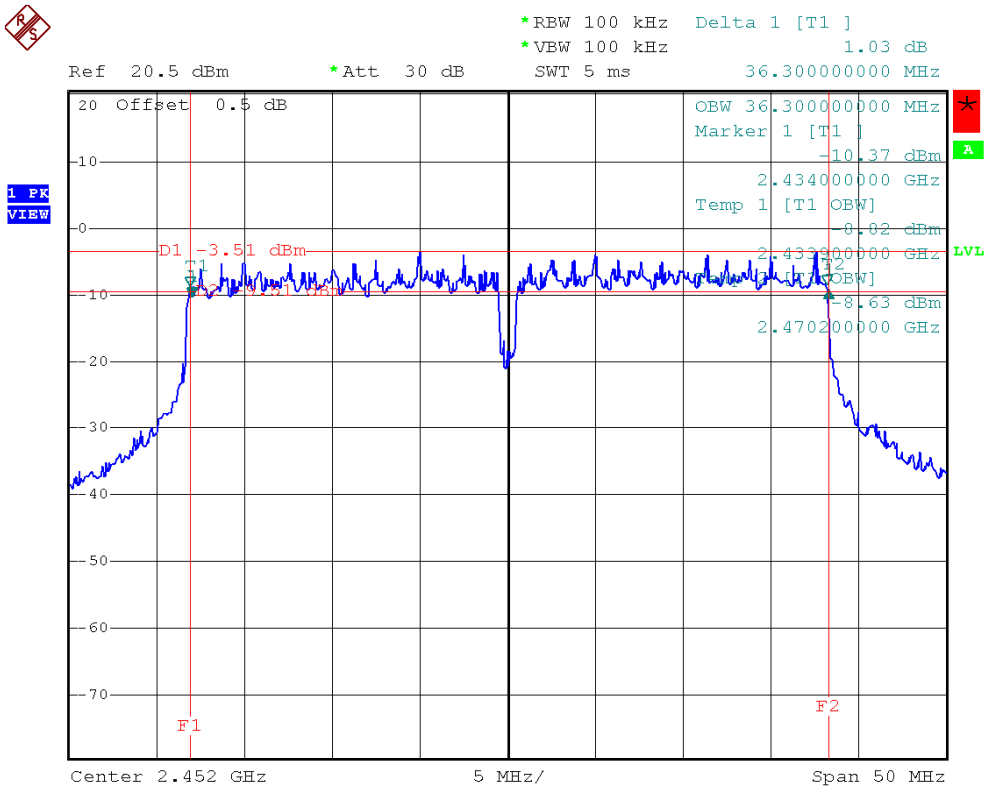
CH03



CH06


*RBW 100 kHz
*VBW 100 kHz
Delta 1 [T1]
-0.81 dB
Ref 20.5 dBm
*Att 30 dB
SWT 5 ms
36.100000000 MHz
20 Offset 0.5 dB
OBW 36.300000000 MHz
Marker 1 [T1]
-3.36 dBm
2.419100000 GHz
Temp 1 [T1 OBW]
-4.03 dBm
Temp 2 [T1 OBW]
-4.17 dBm
2.455200000 GHz
D1 1.34 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.437 GHz
5 MHz/
Span 50 MHz

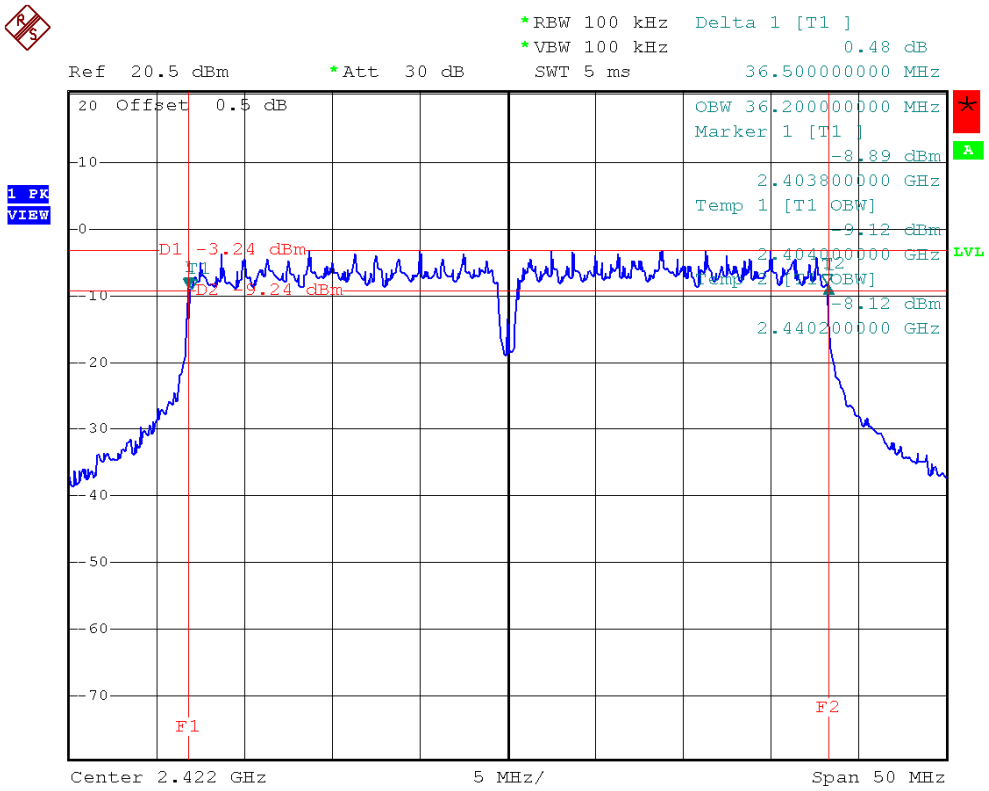
CH09


*RBW 100 kHz
*VBW 100 kHz
Delta 1 [T1]
1.03 dB
Ref 20.5 dBm
*Att 30 dB
SWT 5 ms
36.300000000 MHz
20 Offset 0.5 dB
OBW 36.300000000 MHz
Marker 1 [T1]
-10.37 dBm
2.434000000 GHz
Temp 1 [T1 OBW]
-0.82 dBm
Temp 2 [T1 OBW]
-8.63 dBm
2.470200000 GHz
D1 -3.51 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.452 GHz
5 MHz/
Span 50 MHz

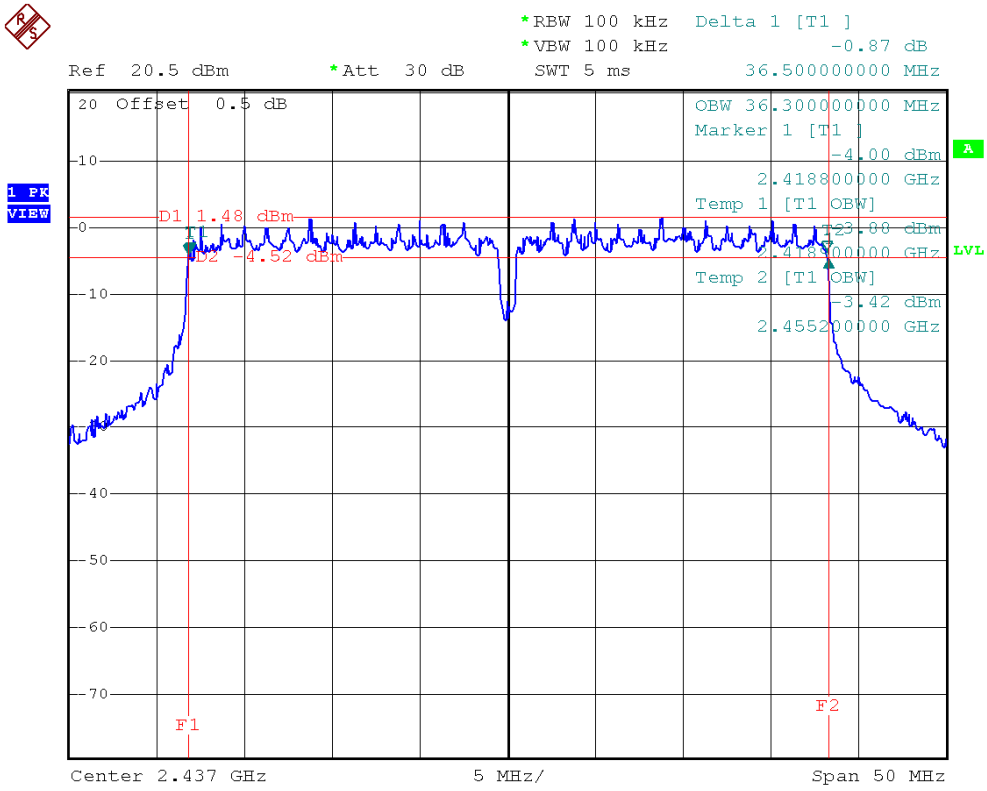
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH03, CH06, CH09 (Port. 1)		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH03	2422	36.50	>=500KHz
CH06	2437	36.50	>=500KHz
CH09	2452	36.40	>=500KHz

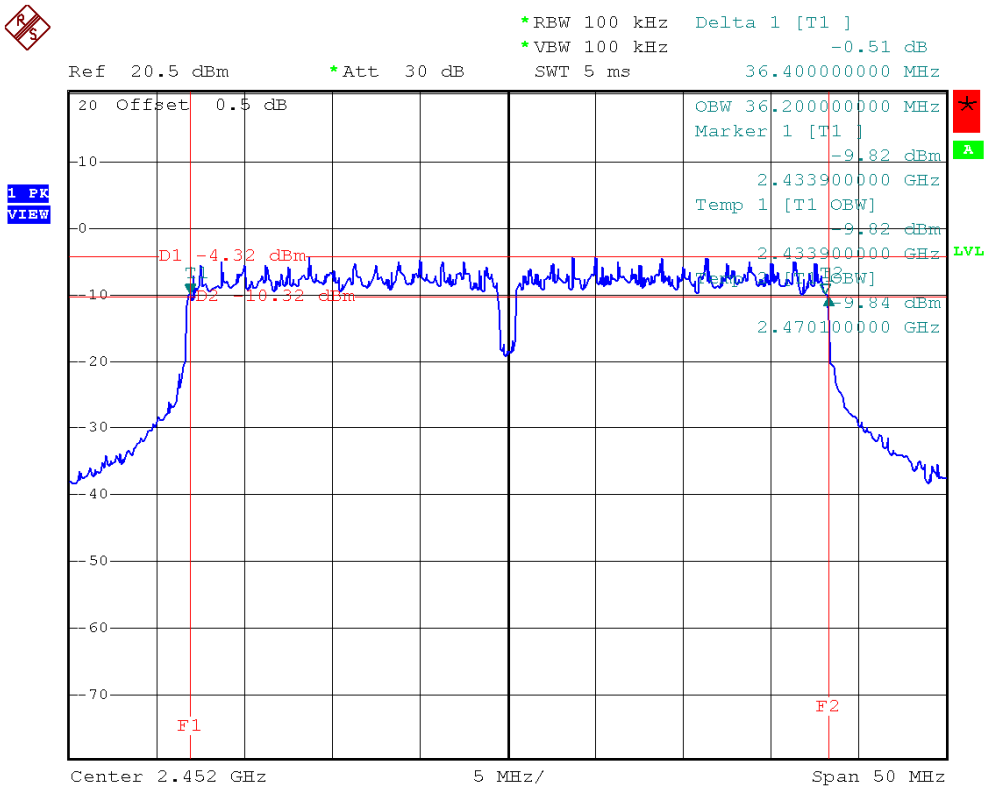
CH03



CH06


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 5 ms
Delta 1 [T1]
-0.87 dB
36.500000000 MHz
20 Offset 0.5 dB
OBW 36.300000000 MHz
Marker 1 [T1]
-4.00 dBm
2.418800000 GHz
Temp 1 [T1 OBW]
-3.88 dBm
2.418800000 GHz
Temp 2 [T1 OBW]
-3.42 dBm
2.455200000 GHz
1 PK VIEW
D1 1.48 dBm
D2 -4.52 dBm
F1
F2
Center 2.437 GHz
5 MHz/
Span 50 MHz

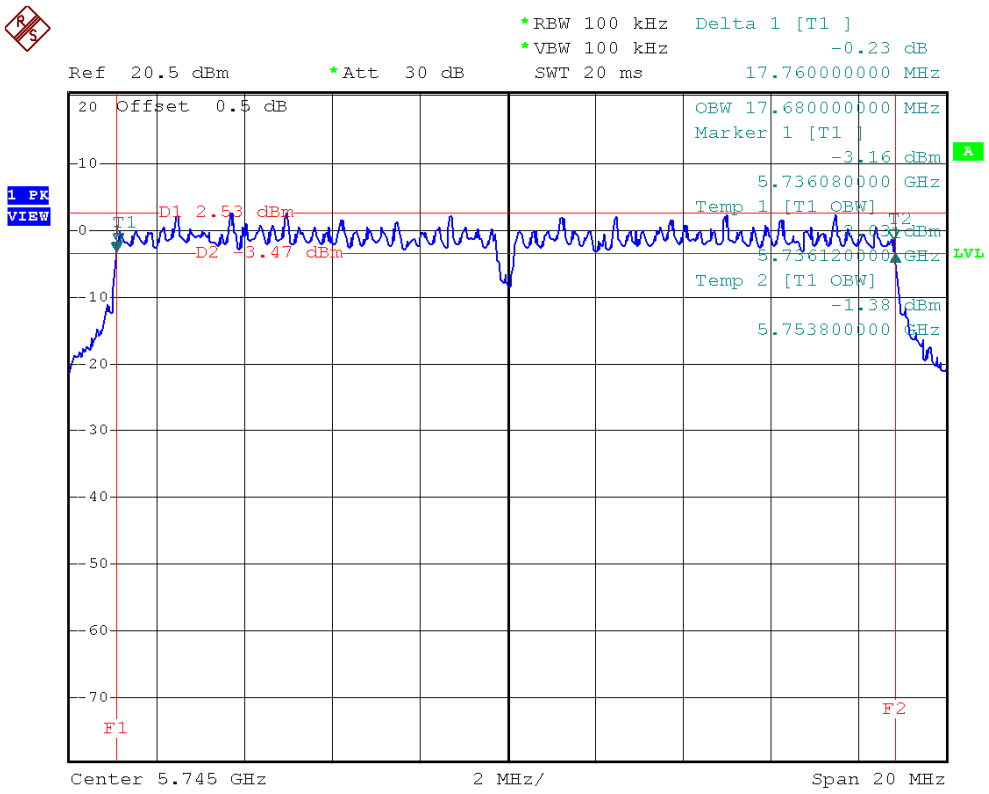
CH09


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 5 ms
Delta 1 [T1]
-0.51 dB
36.400000000 MHz
20 Offset 0.5 dB
OBW 36.200000000 MHz
Marker 1 [T1]
-9.82 dBm
2.433900000 GHz
Temp 1 [T1 OBW]
-9.82 dBm
2.433900000 GHz
Temp 2 [T1 OBW]
-9.84 dBm
2.470100000 GHz
1 PK VIEW
D1 -4.32 dBm
D2 -10.32 dBm
F1
F2
Center 2.452 GHz
5 MHz/
Span 50 MHz

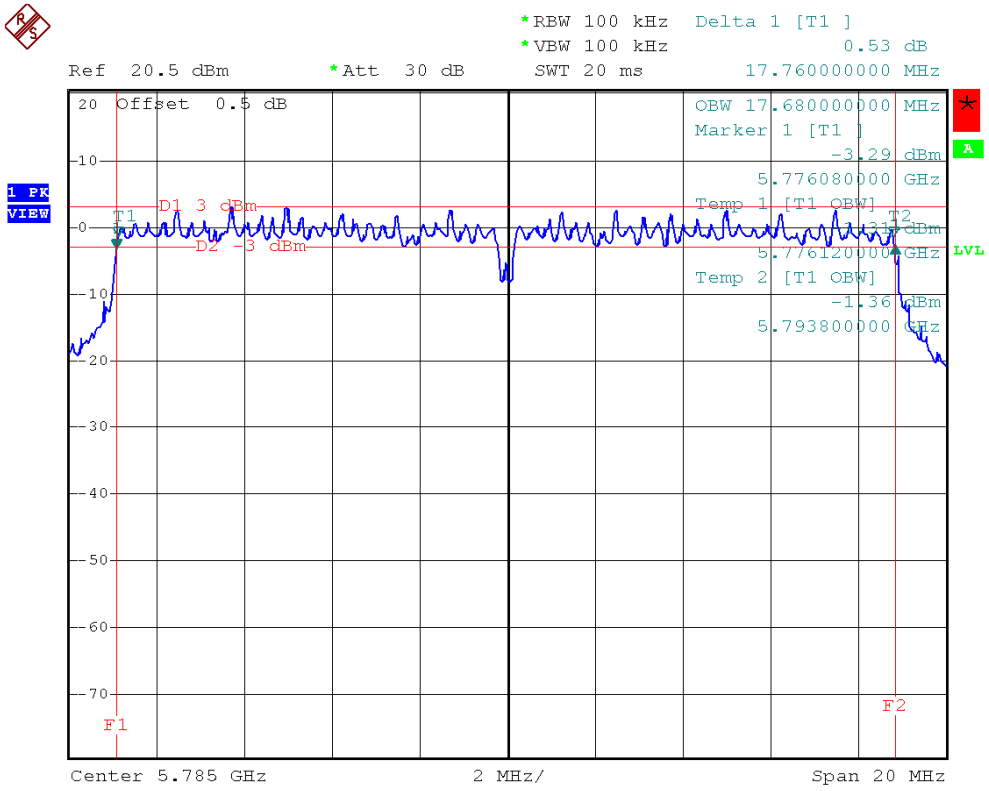
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11a/CH149, CH157, CH165		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH149	5745	17.76	>=500KHz
CH157	5785	17.76	>=500KHz
CH165	5825	17.76	>=500KHz

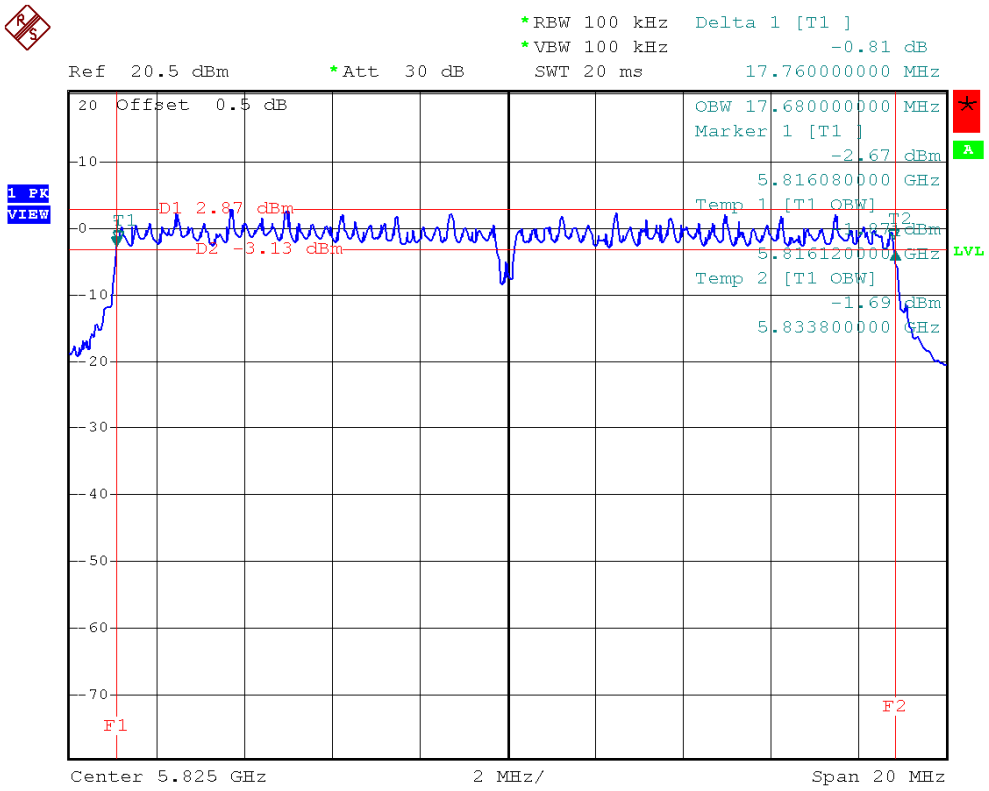
CH149



CH157


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 20 ms
Delta 1 [T1]
0.53 dB
17.760000000 MHz
20 Offset 0.5 dB
OBW 17.680000000 MHz
Marker 1 [T1]
-3.29 dBm
5.776080000 GHz
Temp 1 [T1 OBW]
1 PK VIEW
T1
D1 3 dBm
D2 -3 dBm
T2
5.776120000 GHz
Temp 2 [T1 OBW]
-1.36 dBm
5.793800000 GHz
LVL
F1
F2
Center 5.785 GHz
2 MHz/
Span 20 MHz

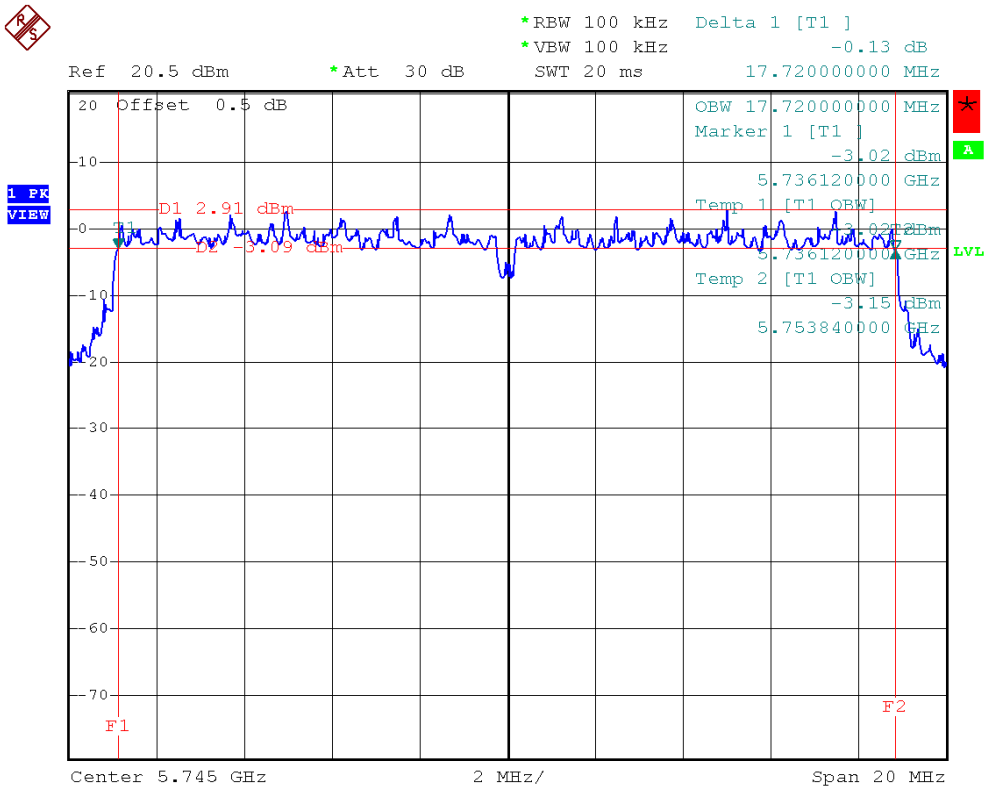
CH165


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 20 ms
Delta 1 [T1]
-0.81 dB
17.760000000 MHz
20 Offset 0.5 dB
OBW 17.680000000 MHz
Marker 1 [T1]
-2.67 dBm
5.816080000 GHz
Temp 1 [T1 OBW]
1 PK VIEW
T1
D1 2.87 dBm
D2 -3.13 dBm
T2
5.816120000 GHz
Temp 2 [T1 OBW]
-1.69 dBm
5.833800000 GHz
LVL
F1
F2
Center 5.825 GHz
2 MHz/
Span 20 MHz

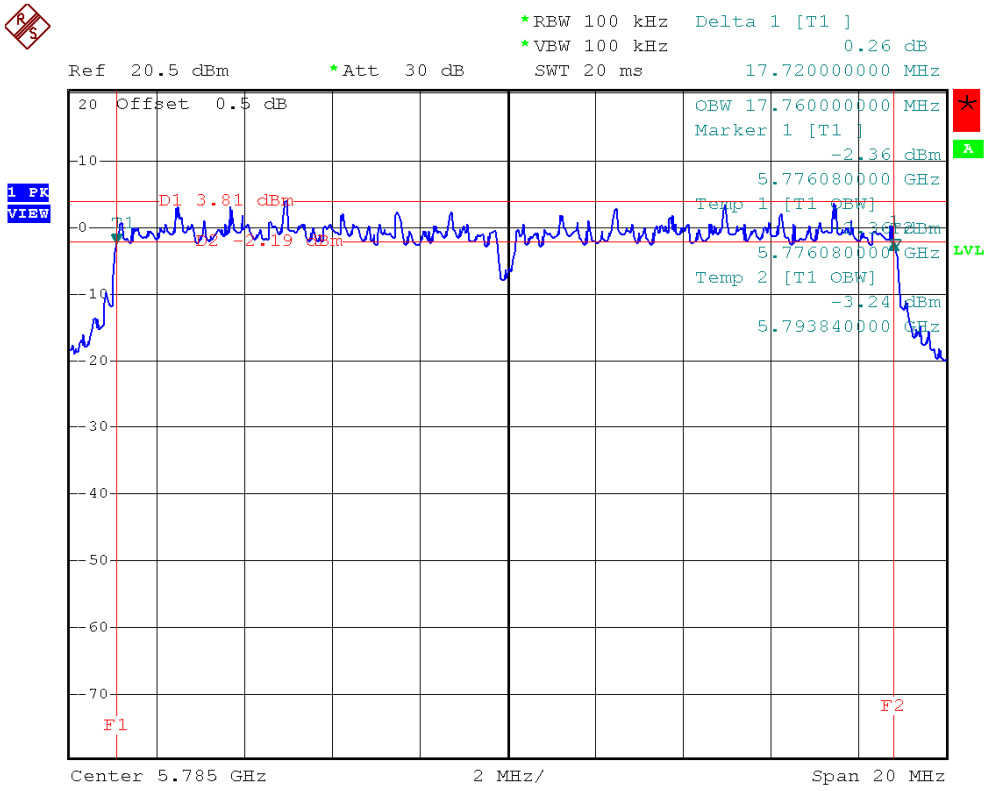
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH149, CH157, CH165 (Port. 0)		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH149	5745	17.72	>=500KHz
CH157	5785	17.72	>=500KHz
CH165	5825	17.60	>=500KHz

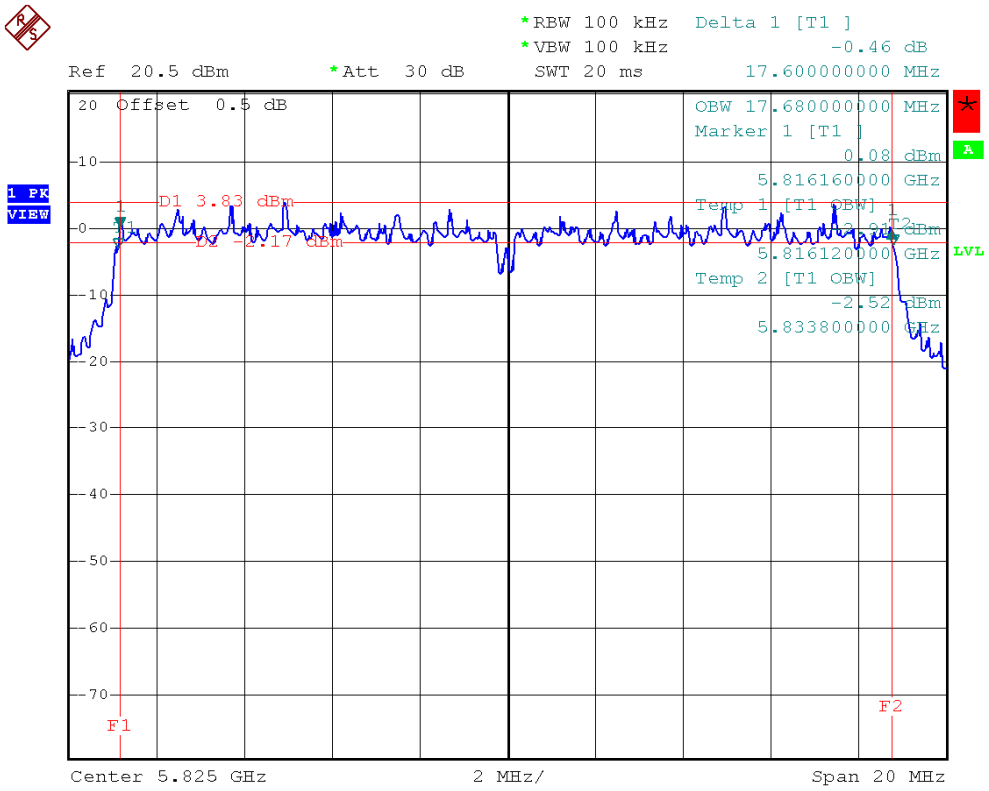
CH149



CH157


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 20 ms
Delta 1 [T1]
0.26 dB
17.720000000 MHz
20 Offset 0.5 dB
OBW 17.760000000 MHz
Marker 1 [T1]
-2.36 dBm
5.776080000 GHz
Temp 1 [T1 OBW]
Temp 2 [T1 OBW]
-3.24 dBm
5.793840000 GHz
D1 3.81 dBm
D2 -2.19 dBm
1 PK VIEW
LVL
F1
F2
Center 5.785 GHz
2 MHz/
Span 20 MHz

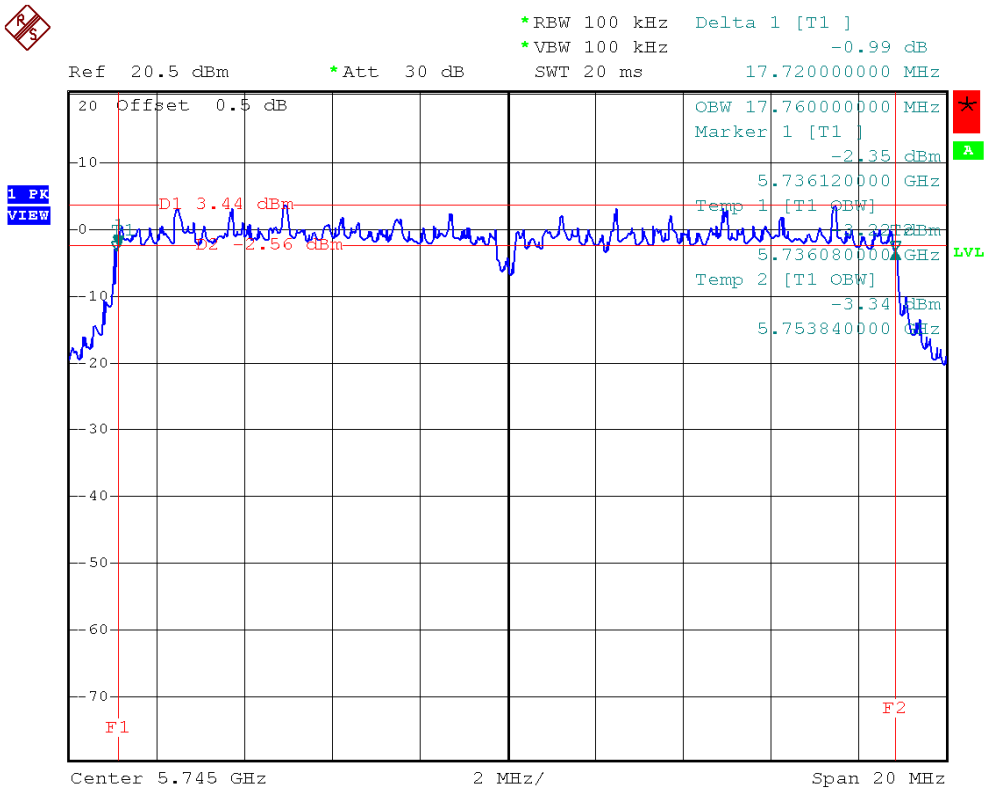
CH165


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 20 ms
Delta 1 [T1]
-0.46 dB
17.600000000 MHz
20 Offset 0.5 dB
OBW 17.680000000 MHz
Marker 1 [T1]
0.08 dBm
5.816160000 GHz
Temp 1 [T1 OBW]
Temp 2 [T1 OBW]
-2.52 dBm
5.833800000 GHz
D1 3.83 dBm
D2 -2.17 dBm
1 PK VIEW
LVL
F1
F2
Center 5.825 GHz
2 MHz/
Span 20 MHz

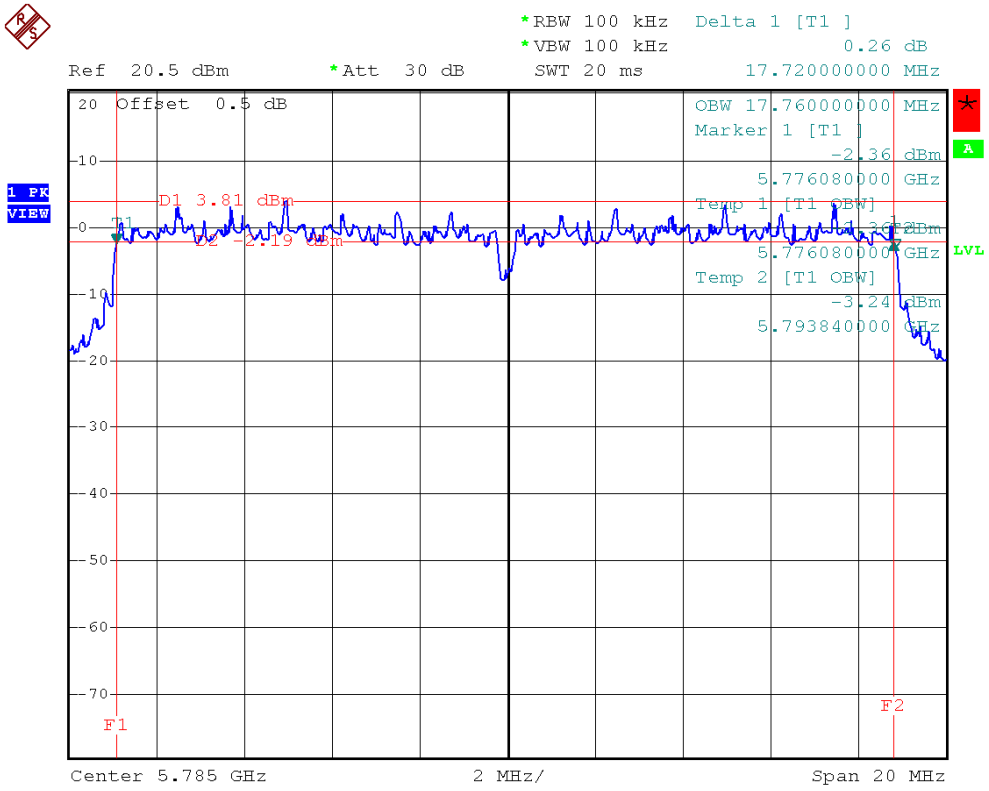
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/ CH149, CH157, CH165 (Port. 1)		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH149	5745	17.72	>=500KHz
CH157	5785	17.84	>=500KHz
CH165	5825	17.84	>=500KHz

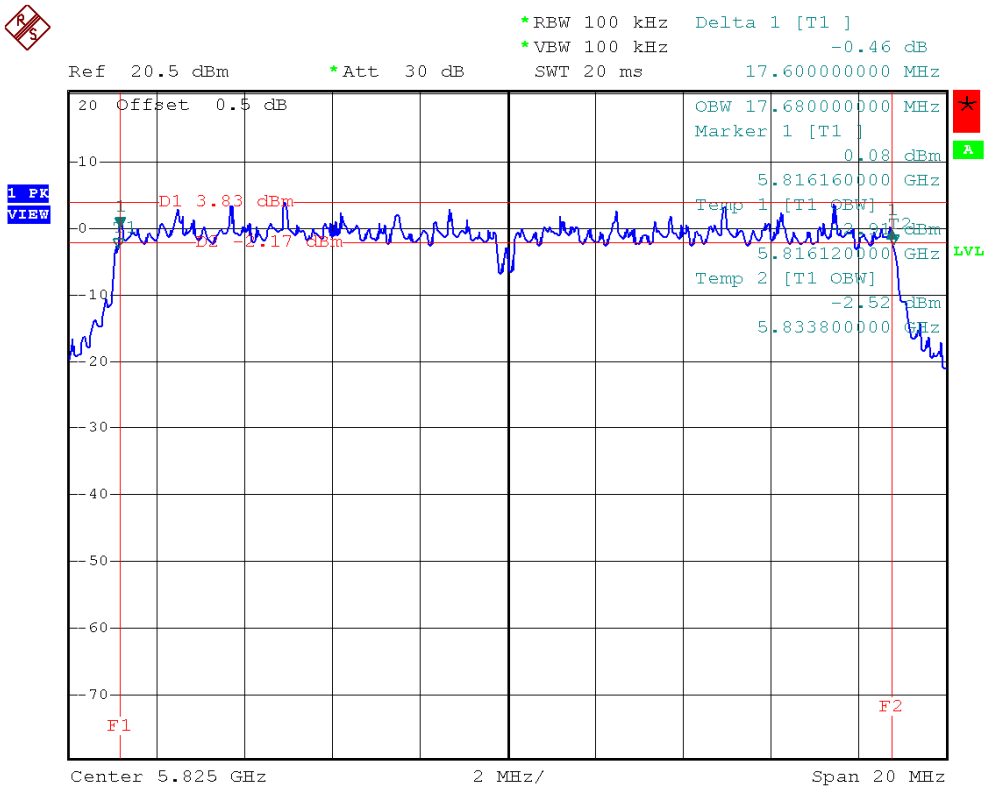
CH149



CH157


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 20 ms
Delta 1 [T1]
0.26 dB
17.720000000 MHz
20 Offset 0.5 dB
OBW 17.760000000 MHz
Marker 1 [T1]
-2.36 dBm
5.776080000 GHz
Temp 1 [T1 OBW]
5.776080000 GHz
Temp 2 [T1 OBW]
-3.24 dBm
5.793840000 GHz
D1 3.81 dBm
D2 -2.19 dBm
1 PK VIEW
LVL
F1
F2
Center 5.785 GHz
2 MHz/
Span 20 MHz

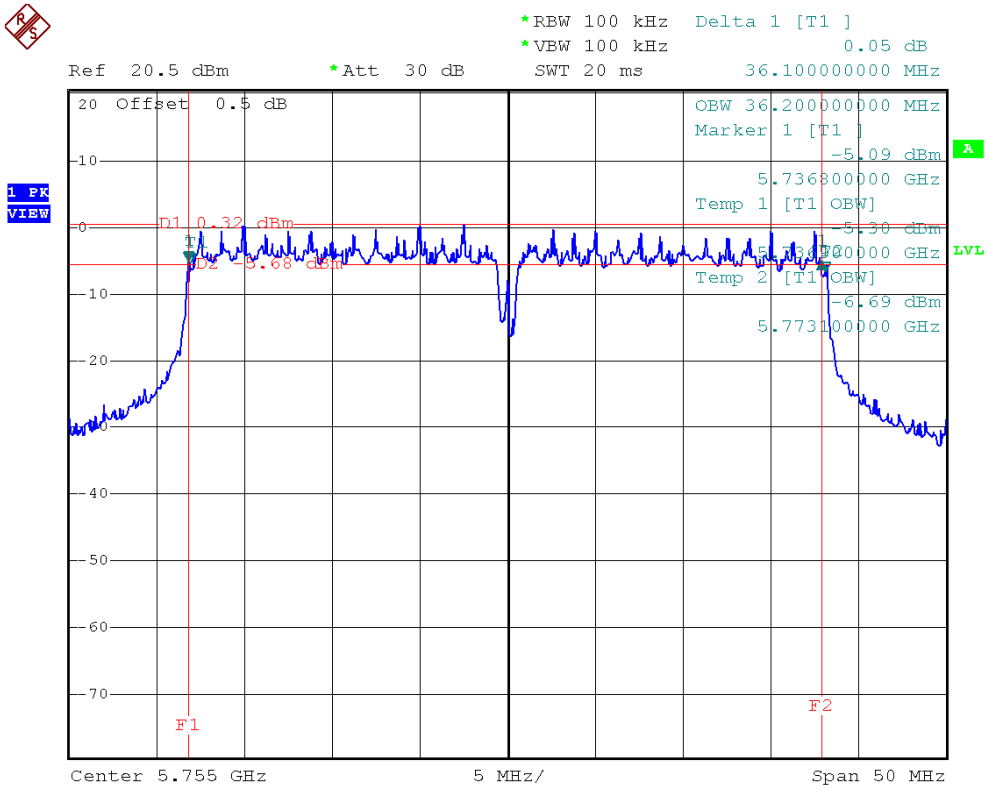
CH165


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 20 ms
Delta 1 [T1]
-0.46 dB
17.600000000 MHz
20 Offset 0.5 dB
OBW 17.680000000 MHz
Marker 1 [T1]
0.08 dBm
5.816160000 GHz
Temp 1 [T1 OBW]
5.816120000 GHz
Temp 2 [T1 OBW]
-2.52 dBm
5.833800000 GHz
D1 3.83 dBm
D2 -2.17 dBm
1 PK VIEW
LVL
F1
F2
Center 5.825 GHz
2 MHz/
Span 20 MHz

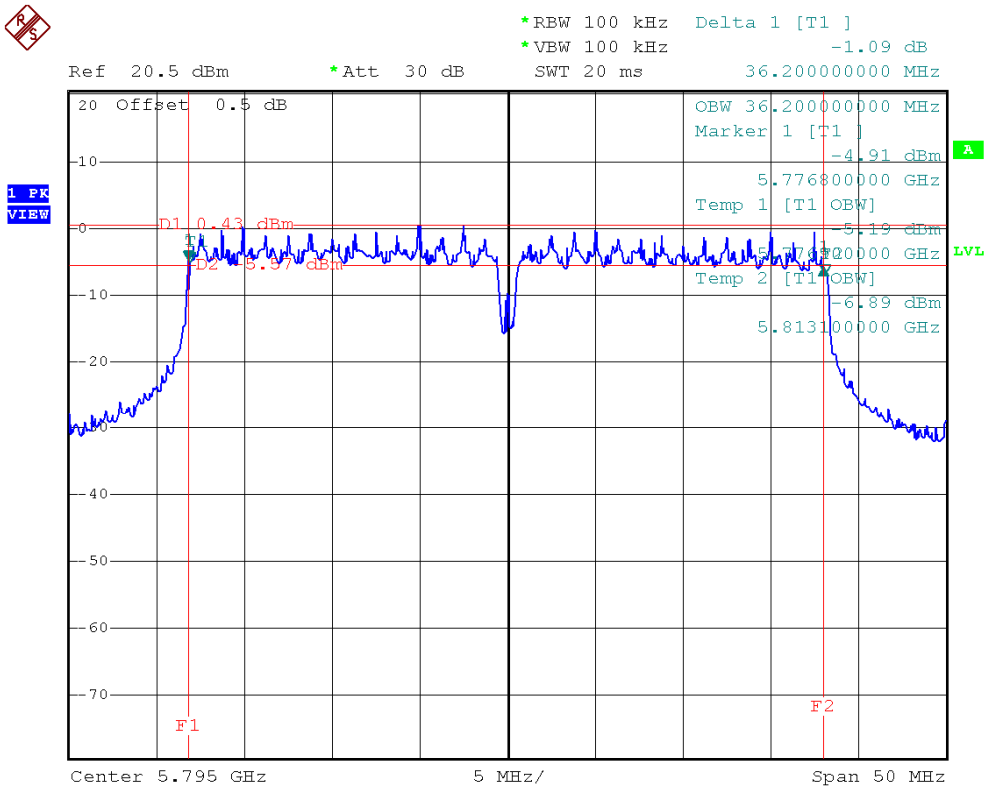
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH151, CH159 (Port. 0)		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH151	5755	36.10	>=500KHz
CH159	5795	36.20	>=500KHz

CH151


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 20 ms
Delta 1 [T1]
0.05 dB
36.100000000 MHz
20 Offset 0.5 dB
OBW 36.200000000 MHz
Marker 1 [T1]
-5.09 dBm
5.736800000 GHz
Temp 1 [T1 OBW]
-5.30 dBm
Temp 2 [T1 OBW]
-6.69 dBm
5.773100000 GHz
1 PK VIEW
A
LVL
D1 0.32 dBm
D2 -5.68 dBm
F1
F2
Center 5.755 GHz
5 MHz/
Span 50 MHz

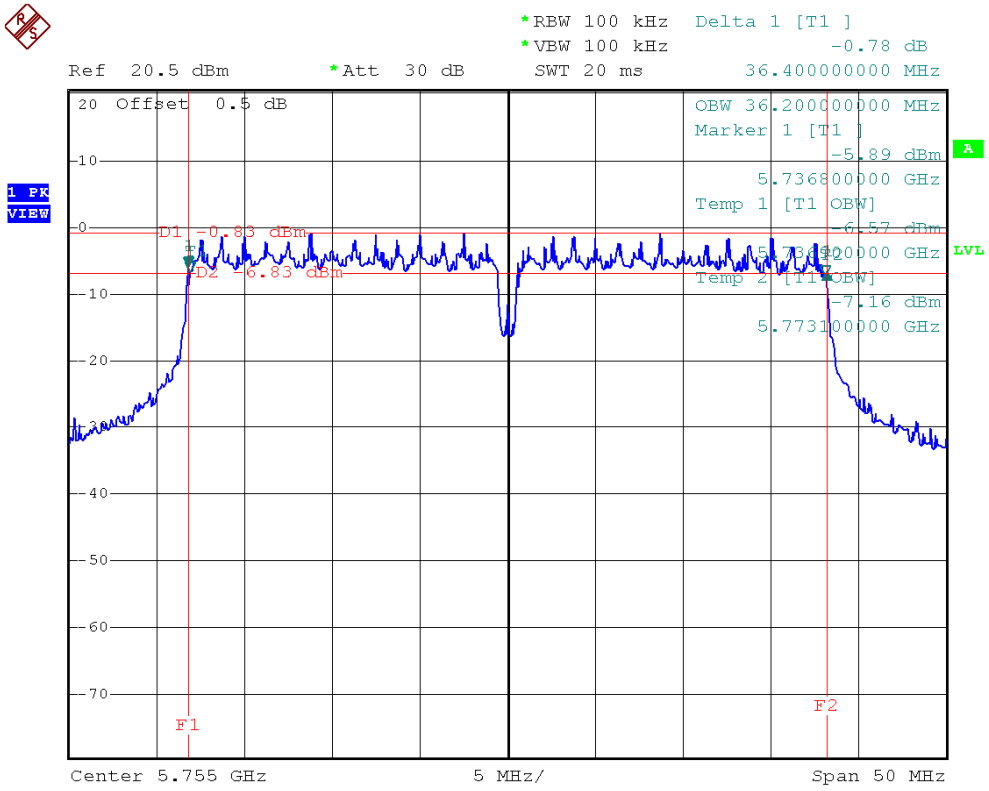
CH159


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 20 ms
Delta 1 [T1]
-1.09 dB
36.200000000 MHz
20 Offset 0.5 dB
OBW 36.200000000 MHz
Marker 1 [T1]
-4.91 dBm
5.776800000 GHz
Temp 1 [T1 OBW]
-5.19 dBm
Temp 2 [T1 OBW]
-6.89 dBm
5.813100000 GHz
1 PK VIEW
A
LVL
D1 0.43 dBm
D2 -5.57 dBm
F1
F2
Center 5.795 GHz
5 MHz/
Span 50 MHz

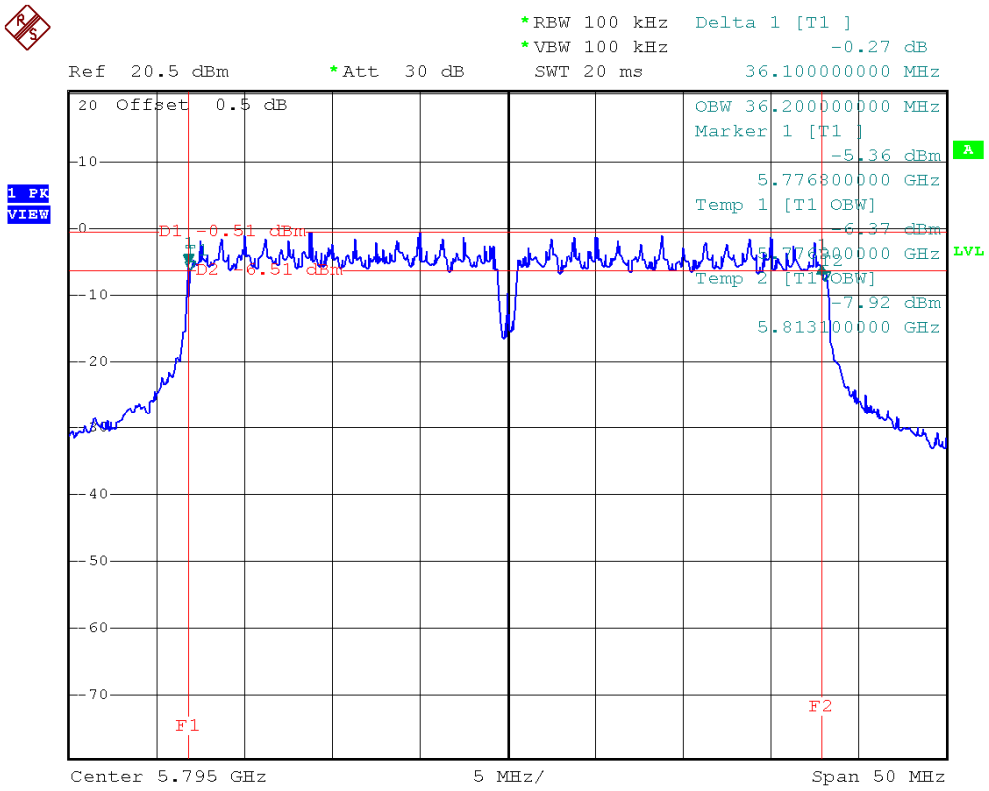
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/ CH151, CH159 (Port. 1)		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	LIMIT (MHz)
CH151	5755	36.40	>=500KHz
CH159	5795	36.10	>=500KHz

CH151


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 20 ms
Delta 1 [T1]
-0.78 dB
36.400000000 MHz
20 Offset 0.5 dB
OBW 36.200000000 MHz
Marker 1 [T1]
-5.89 dBm
5.736800000 GHz
Temp 1 [T1 OBW]
-6.57 dBm
Temp 2 [T1 OBW]
-7.16 dBm
5.773100000 GHz
1 PK VIEW
A
LVL
D1 -0.83 dBm
D2 -6.83 dBm
F1
F2
Center 5.755 GHz
5 MHz/
Span 50 MHz

CH159


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 20 ms
Delta 1 [T1]
-0.27 dB
36.100000000 MHz
20 Offset 0.5 dB
OBW 36.200000000 MHz
Marker 1 [T1]
-5.36 dBm
5.776800000 GHz
Temp 1 [T1 OBW]
-6.37 dBm
Temp 2 [T1 OBW]
-7.92 dBm
5.813100000 GHz
1 PK VIEW
A
LVL
D1 -0.51 dBm
D2 -6.51 dBm
F1
F2
Center 5.795 GHz
5 MHz/
Span 50 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	Anritsu	ML2487A	6K00004714	Feb. 10, 2010
2	Power Meter Sensor	Anritsu	MA2491A	34138	Feb. 10, 2010

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

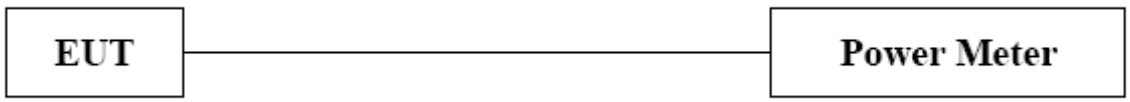
6.1.2 TEST PROCEDURE

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：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11b/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2412	19.70	30	1
CH06	2437	19.70	30	1
CH11	2462	20.10	30	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11g/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2412	23.60	30	1
CH06	2437	25.60	30	1
CH11	2462	24.97	30	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH01, CH06, CH11		

Port. 0					
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	(W)	LIMIT (dBm)	LIMIT (W)
CH01	2412	23.60	0.2291	30	1
CH06	2437	25.30	0.3388	30	1
CH11	2462	23.80	0.2399	30	1

Port. 1					
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	(W)	LIMIT (dBm)	LIMIT (W)
CH01	2412	23.70	0.2344	30	1
CH06	2437	25.70	0.3715	30	1
CH11	2462	23.80	0.2399	30	1

Total (Port. 0 + Port. 1)					
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	(W)	LIMIT (dBm)	LIMIT (W)
CH01	2412	26.66	0.4635	30	1
CH06	2437	28.51	0.7104	30	1
CH11	2462	26.81	0.4798	30	1

Remark：

(1) **The MIMO test requirement, RF conducted output power shall measure each transmitter chain by using channel power method.**
And after obtain each individual transmitter chain power, then sum the output power by using the following formula:
((dBm/Chain 1)/10^Log) + ((dBm/Chain 2)/10^log) + ((dBm/ChainN)/10^log) = Combined peak output power in mW.

(2) **Antenna Gain=2 dBi.**

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH03, CH06, CH09		

Port. 0					
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	(W)	LIMIT (dBm)	LIMIT (W)
CH03	2422	21.00	0.1259	29.42	0.8750
CH06	2437	24.90	0.3090	29.42	0.8750
CH09	2452	21.30	0.1349	29.42	0.8750

Port. 1					
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	(W)	LIMIT (dBm)	LIMIT (W)
CH03	2422	22.46	0.1762	29.42	0.8750
CH06	2437	25.30	0.3388	29.42	0.8750
CH09	2452	21.40	0.1380	29.42	0.8750

Total (Port. 0 + Port. 1)					
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	(W)	LIMIT (dBm)	LIMIT (W)
CH03	2422	24.80	0.3021	30	1
CH06	2437	28.11	0.6479	30	1
CH09	2452	24.36	0.2729	30	1

Remark：

(1) **The MIMO test requirement, RF conducted output power shall measure each transmitter chain by using channel power method.**
And after obtain each individual transmitter chain power, then sum the output power by using the following formula:
((dBm/Chain 1)/10^Log) + ((dBm/Chain 2)/10^log) + ((dBm/ChainN)/10^log) = Combined peak output power in mW.

(2) **Antenna Gain=2 dBi.**

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11a/CH149, CH157, CH165		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH149	5745	22.20	30	1
CH157	5785	22.30	30	1
CH165	5825	22.10	30	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/ CH149, CH157, CH165		

Port. 0					
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	(W)	LIMIT (dBm)	LIMIT (W)
CH149	5745	21.90	0.1549	30	1
CH157	5785	22.20	0.1660	30	1
CH165	5825	21.90	0.1549	30	1

Port. 1					
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	(W)	LIMIT (dBm)	LIMIT (W)
CH149	5745	22.40	0.1738	30	1
CH157	5785	22.40	0.1738	30	1
CH165	5825	22.60	0.1820	30	1

Total (Port. 0 + Port. 1)					
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	(W)	LIMIT (dBm)	LIMIT (W)
CH149	5745	25.17	0.3287	30	1
CH157	5785	25.31	0.3397	30	1
CH165	5825	25.27	0.3369	30	1

Remark：

(1) **The MIMO test requirement, RF conducted output power shall measure each transmitter chain by using channel power method.**
And after obtain each individual transmitter chain power, then sum the output power by using the following formula:
((dBm/Chain 1)/10^Log) + ((dBm/Chain 2)/10^log) + ((dBm/ChainN)/10^log) = Combined peak output power in mW.

(2) **Antenna Gain=2 dBi.**

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH151, CH159		

Port. 0					
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	(W)	LIMIT (dBm)	LIMIT (W)
CH151	5755	21.90	0.1549	29.42	0.8750
CH159	5795	21.90	0.1549	29.42	0.8750

Port. 1					
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	(W)	LIMIT (dBm)	LIMIT (W)
CH151	5755	22.60	0.1820	29.42	0.8750
CH159	5795	22.30	0.1698	29.42	0.8750

Total (Port. 0 + Port. 1)					
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	(W)	LIMIT (dBm)	LIMIT (W)
CH151	5755	25.27	0.3369	30	1
CH159	5795	25.11	0.3247	30	1

Remark：

(1) **The MIMO test requirement, RF conducted output power shall measure each transmitter chain by using channel power method.**
And after obtain each individual transmitter chain power, then sum the output power by using the following formula:
((dBm/Chain 1)/10^Log) + ((dBm/Chain 2)/10^log) + ((dBm/ChainN)/10^log) = Combined peak output power in mW.

(2) **Antenna Gain=2 dBi.**

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	Sep. 09, 2010

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

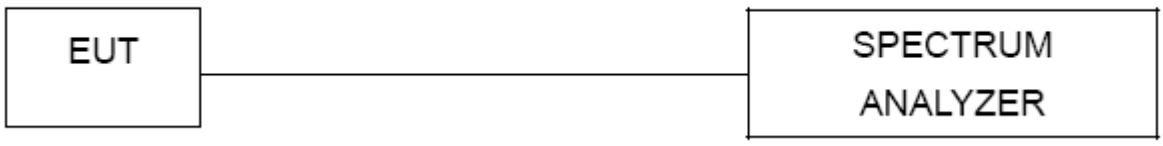
7.1.2 TEST PROCEDURE

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

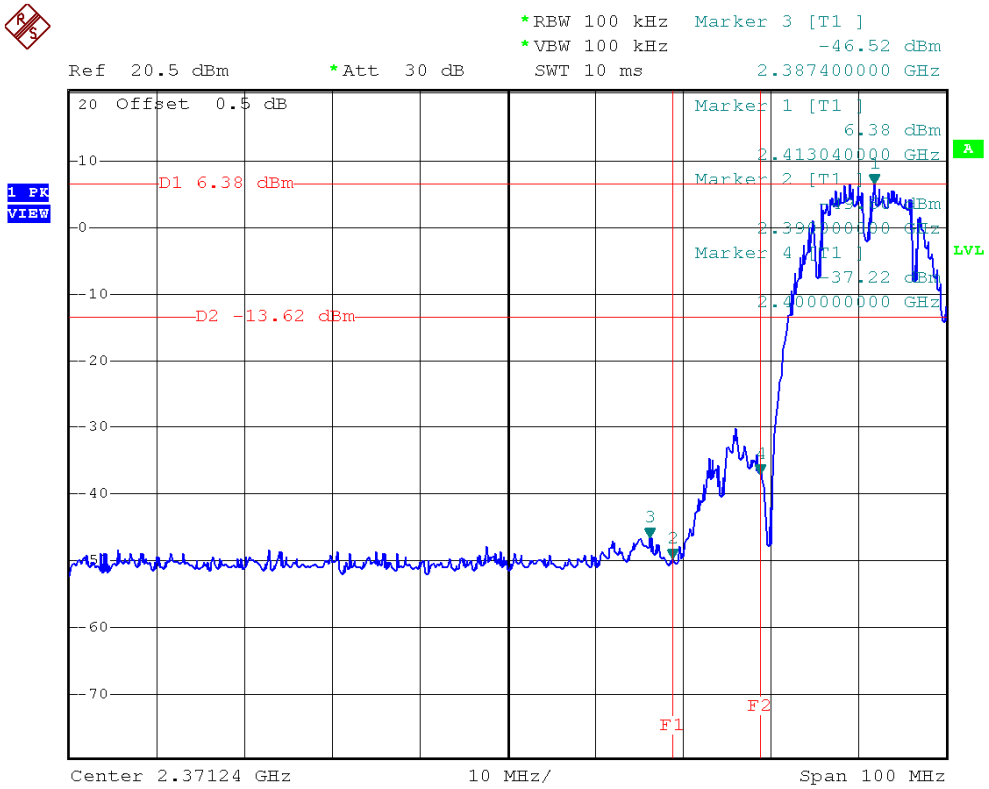
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

7.1.6 TEST RESULTS

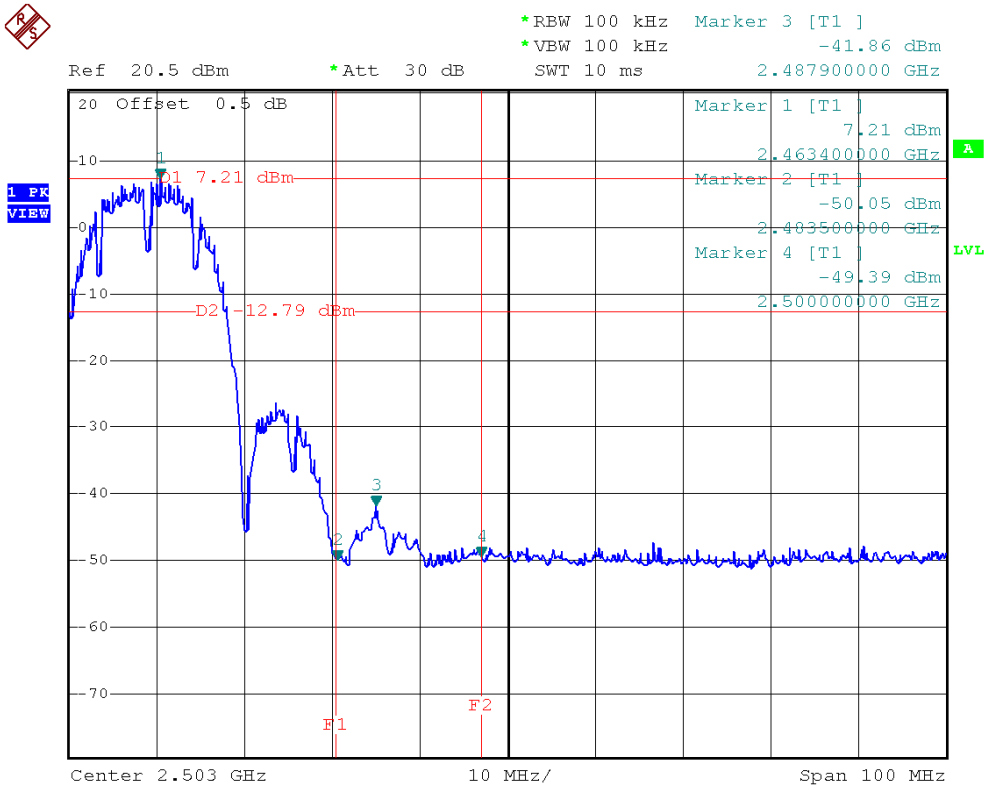
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11b/CH01, CH11		

Channel of Worst Data: CH01,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)
2387.4	-46.52	2487.9	-41.86
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 20.5 dBm
*Att 30 dB
SWT 10 ms
Marker 3 [T1]
-46.52 dBm
2.387400000 GHz
20 Offset 0.5 dB
Marker 1 [T1]
6.38 dBm
2.413040000 GHz
Marker 2 [T1]
Marker 4 [T1]
-37.22 dBm
2.400000000 GHz
D1 6.38 dBm
D2 -13.62 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.37124 GHz
10 MHz/
Span 100 MHz

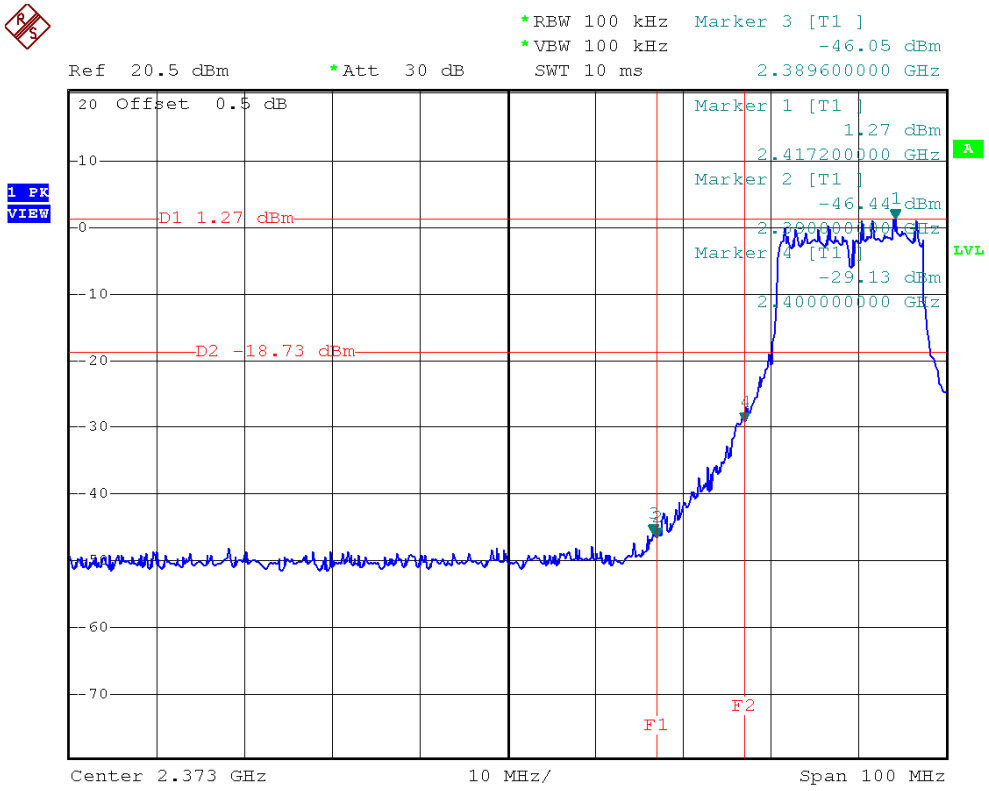
CH11


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 10 ms
Marker 3 [T1]
-41.86 dBm
2.487900000 GHz
20 Offset 0.5 dB
Marker 1 [T1]
7.21 dBm
2.463400000 GHz
Marker 2 [T1]
-50.05 dBm
2.483500000 GHz
Marker 4 [T1]
-49.39 dBm
2.500000000 GHz
D1 7.21 dBm
D2 -12.79 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.503 GHz
10 MHz/
Span 100 MHz

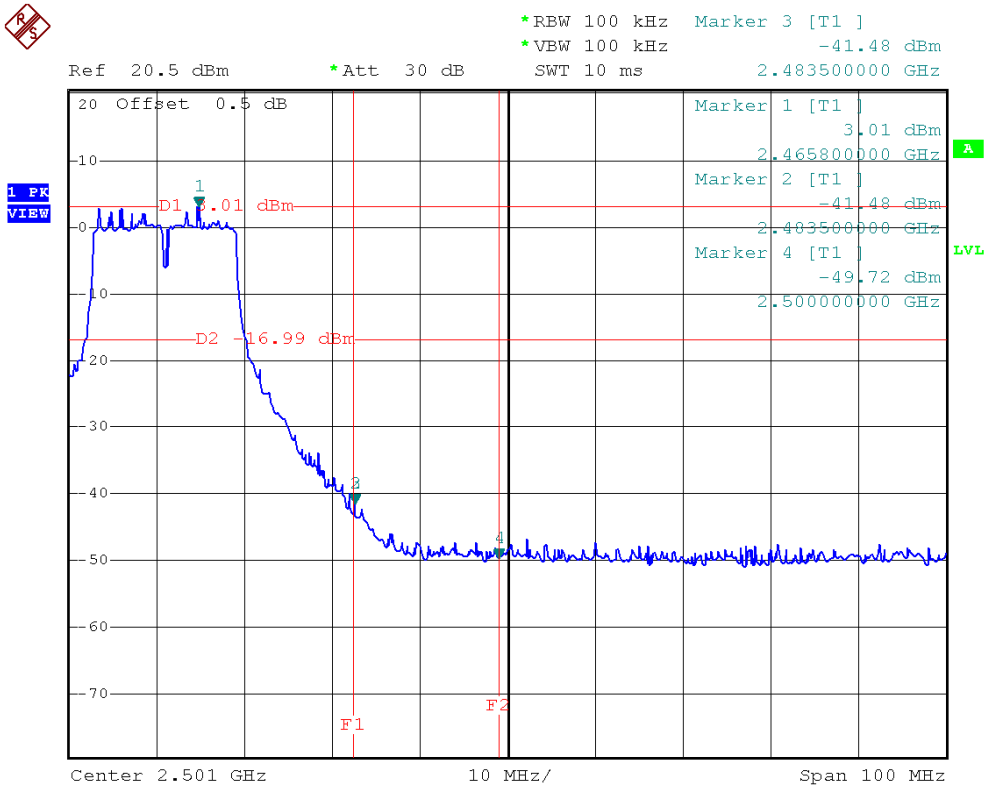
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11g/CH01, CH11		

Channel of Worst Data: CH01,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)
2389.6	-46.05	2483.5	-41.48
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 20.5 dBm
*Att 30 dB
SWT 10 ms
Marker 3 [T1]
-46.05 dBm
2.389600000 GHz
20 Offset 0.5 dB
Marker 1 [T1]
1.27 dBm
2.417200000 GHz
Marker 2 [T1]
-46.44 dBm
Marker 4 [T1]
-29.13 dBm
2.400000000 GHz
D1 1.27 dBm
D2 -18.73 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.373 GHz
10 MHz/
Span 100 MHz

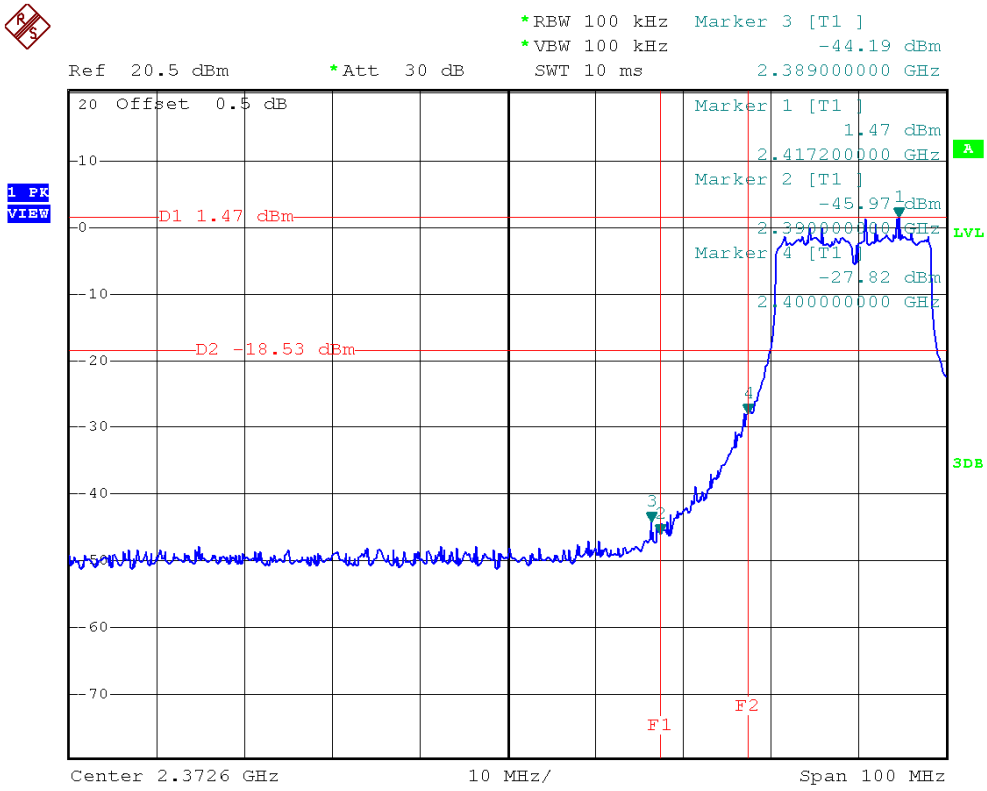
CH11


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 10 ms
Marker 3 [T1]
-41.48 dBm
2.483500000 GHz
20 Offset 0.5 dB
Marker 1 [T1]
3.01 dBm
2.465800000 GHz
Marker 2 [T1]
-41.48 dBm
2.483500000 GHz
Marker 4 [T1]
-49.72 dBm
2.500000000 GHz
D1 3.01 dBm
D2 -16.99 dBm
1 PK VIEW
A
LVL
F1
F2
Center 2.501 GHz
10 MHz/
Span 100 MHz

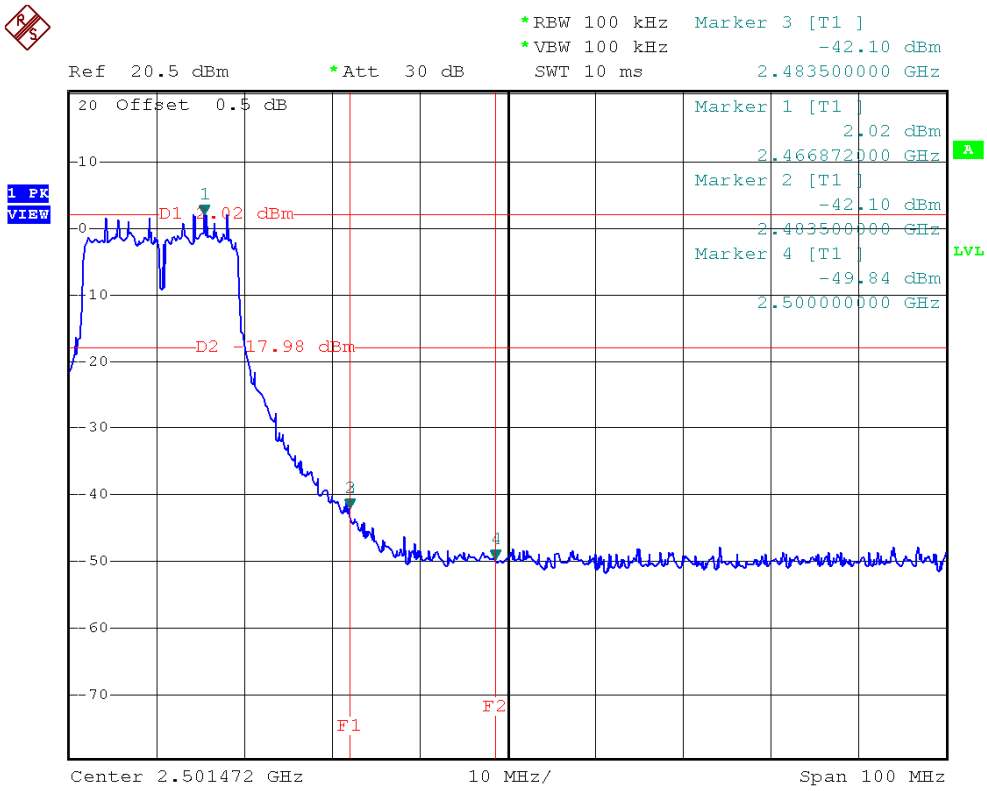
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH01, CH11 (Port 0)		

Channel of Worst Data: CH01,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)
2389.0	-44.19	2483.5	-42.10
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(Port 0)



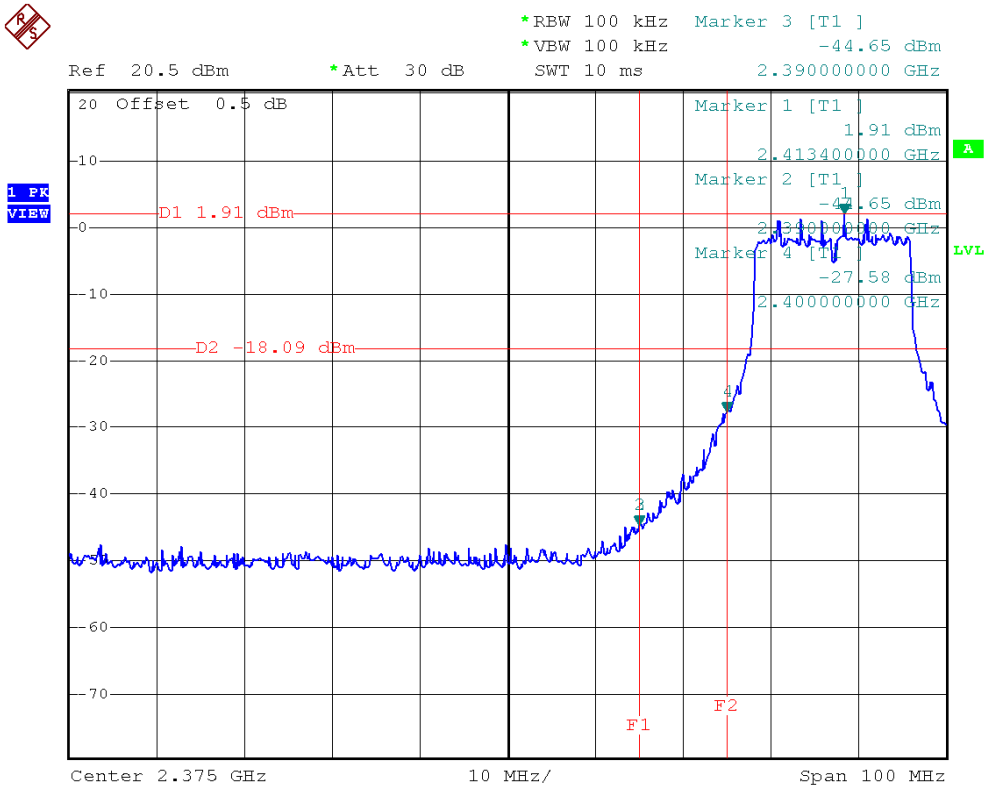
CH11(Port 0)



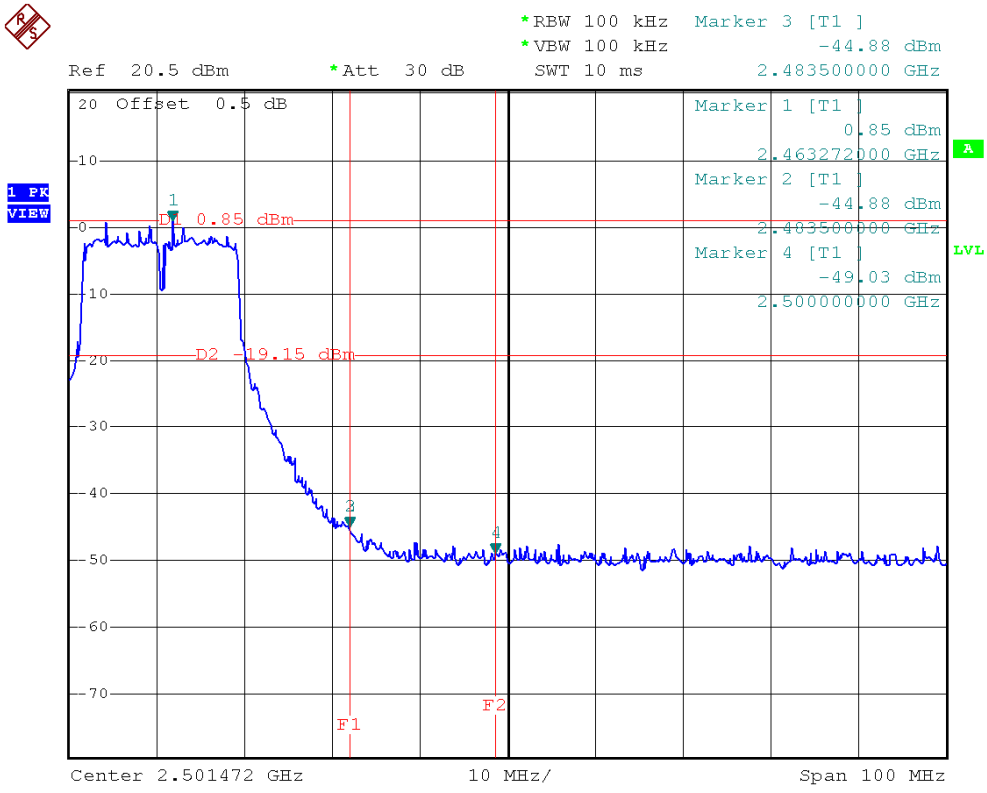
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH01, CH11 (Port 1)		

Channel of Worst Data: CH01,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)
2390.0	-44.65	2483.5	-44.88
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(Port 1)



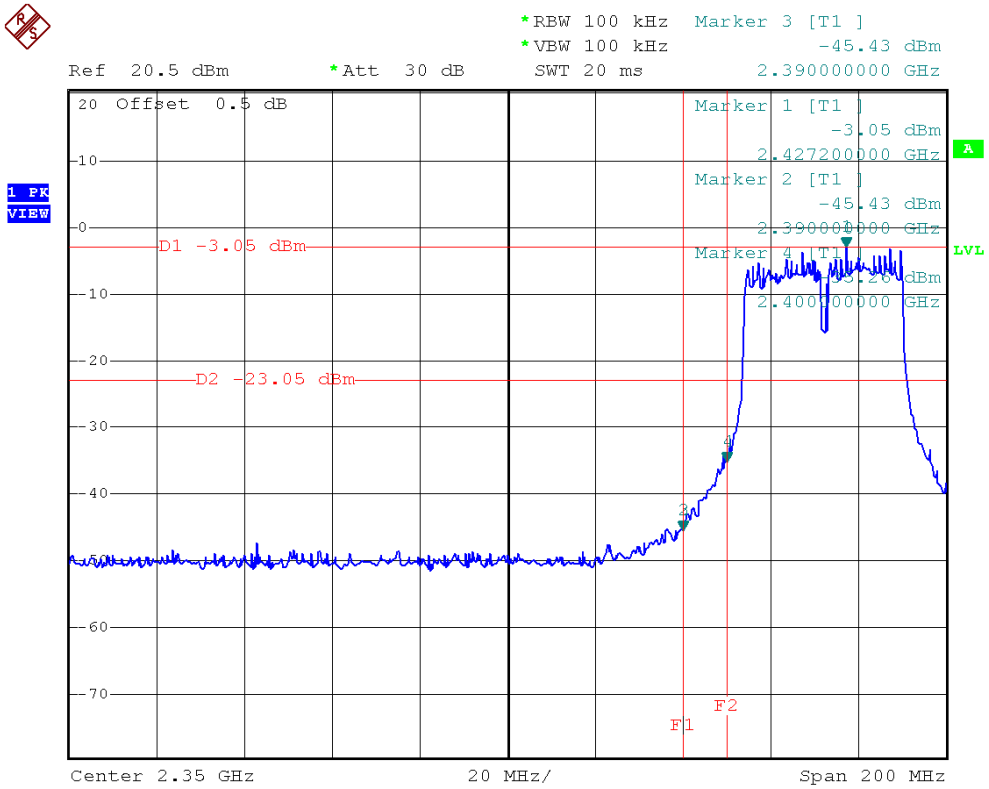
CH11(Port 1)



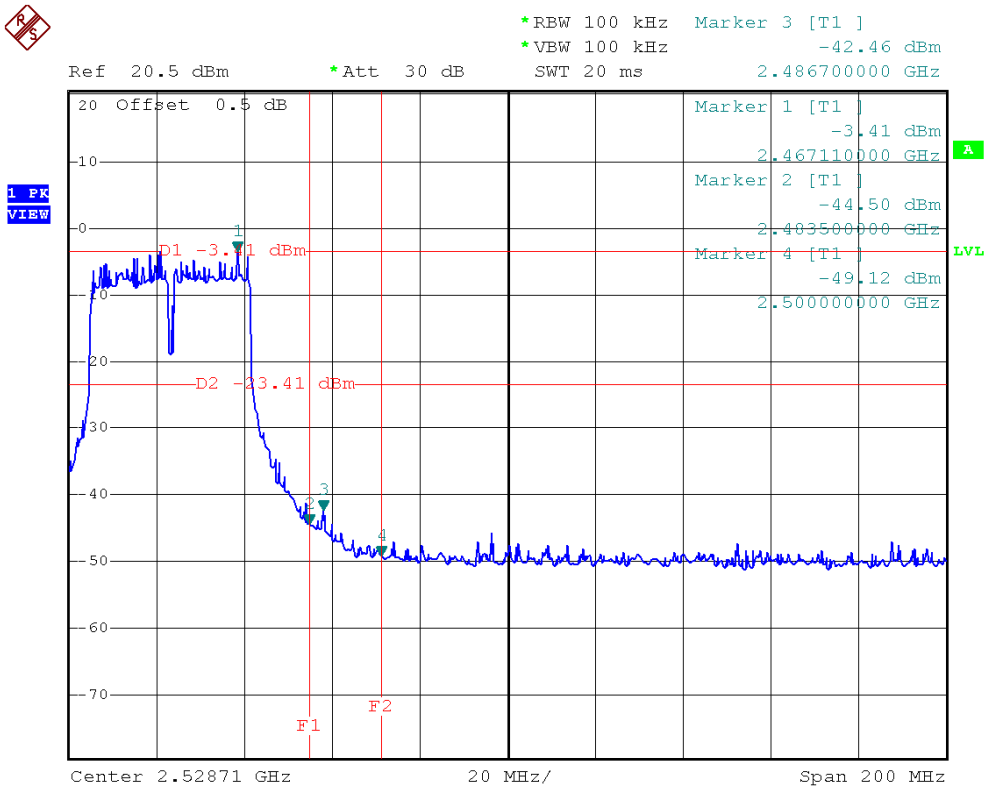
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH03, CH09 (Port 0)		

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)
2390.0	-45.473	2486.7	-42.46
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(Port 0)



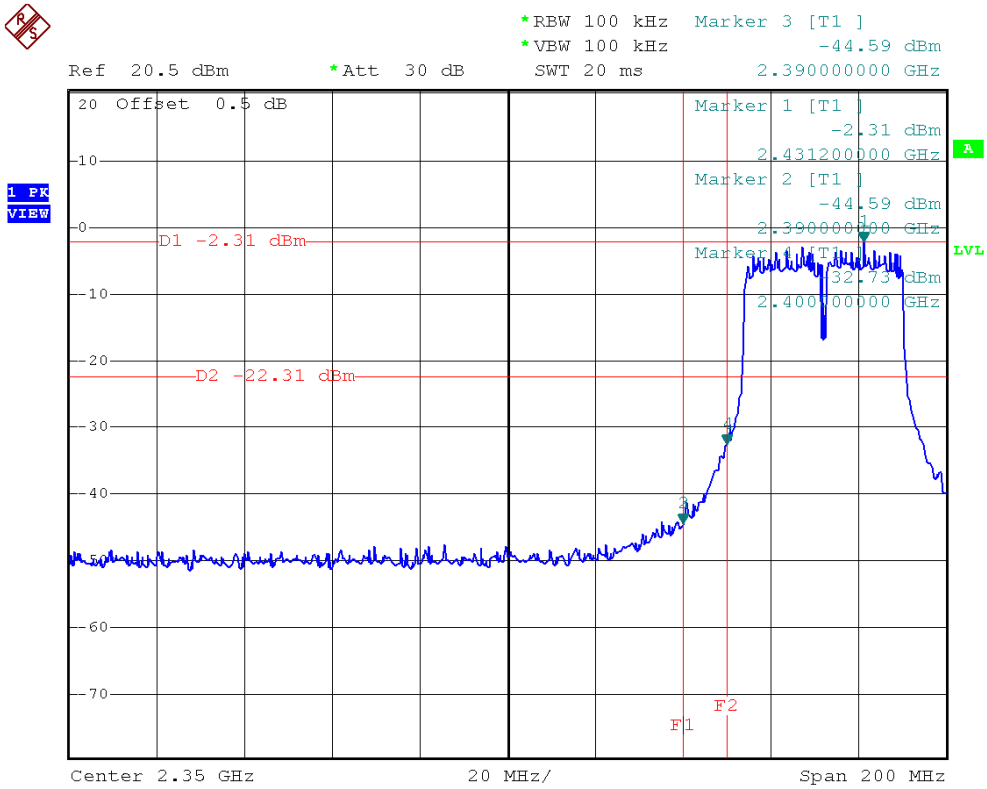
CH09(Port 0)



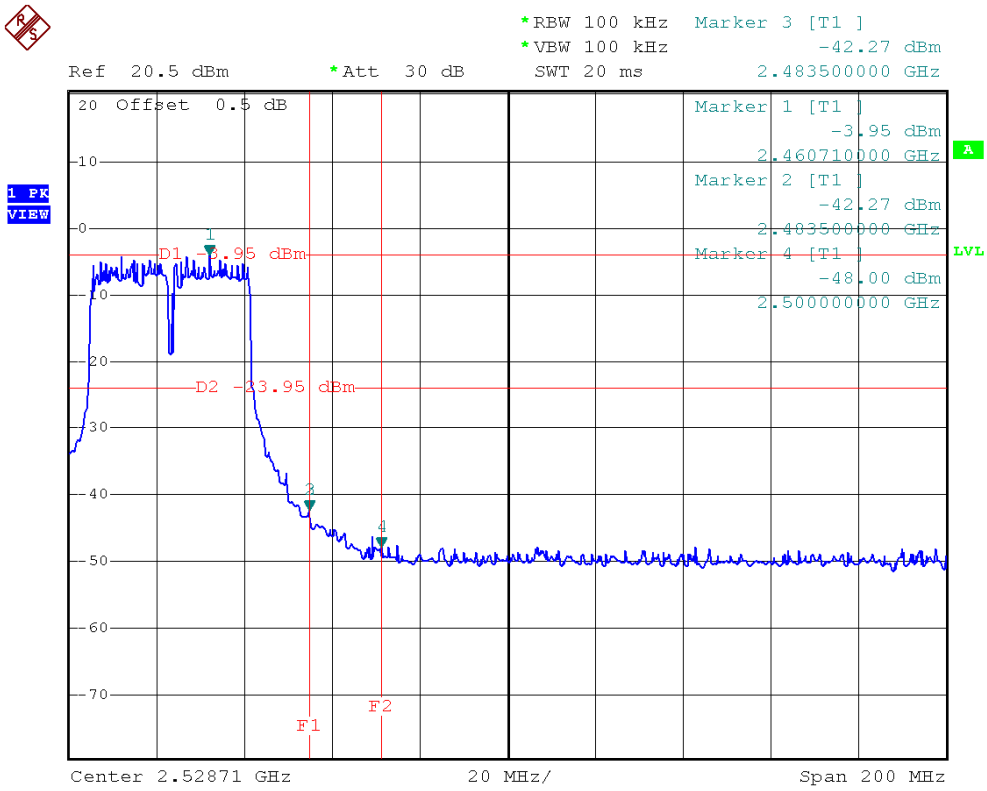
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH03, CH09 (Port 1)		

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)
2390.0	-44.59	2483.5	-42.27
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(Port 1)



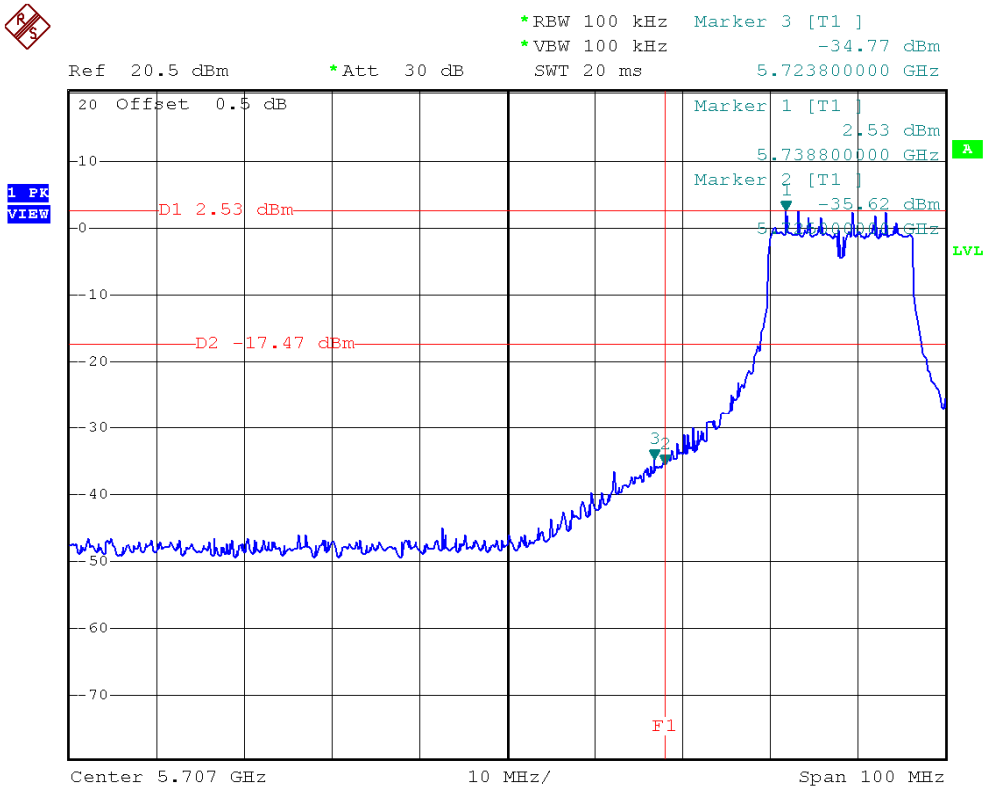
CH09(Port 1)



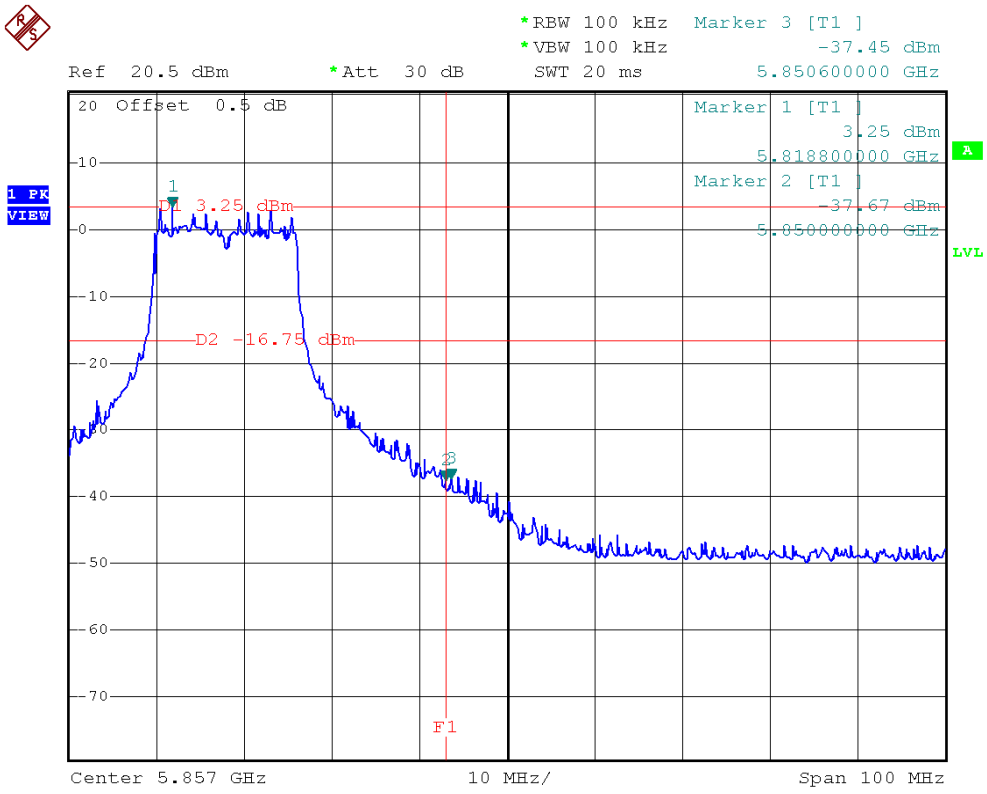
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11a/CH149, CH165		

Channel of Worst Data: CH149,CH165			
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)
5723.8	-34.77	5850.6	-37.45
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.			

CH149


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 20 ms
Marker 3 [T1]
-34.77 dBm
5.723800000 GHz
20 Offset 0.5 dB
Marker 1 [T1]
2.53 dBm
5.738800000 GHz
Marker 2 [T1]
-35.62 dBm
1 PK VIEW
D1 2.53 dBm
D2 -17.47 dBm
A
LVL
F1
Center 5.707 GHz
10 MHz/
Span 100 MHz

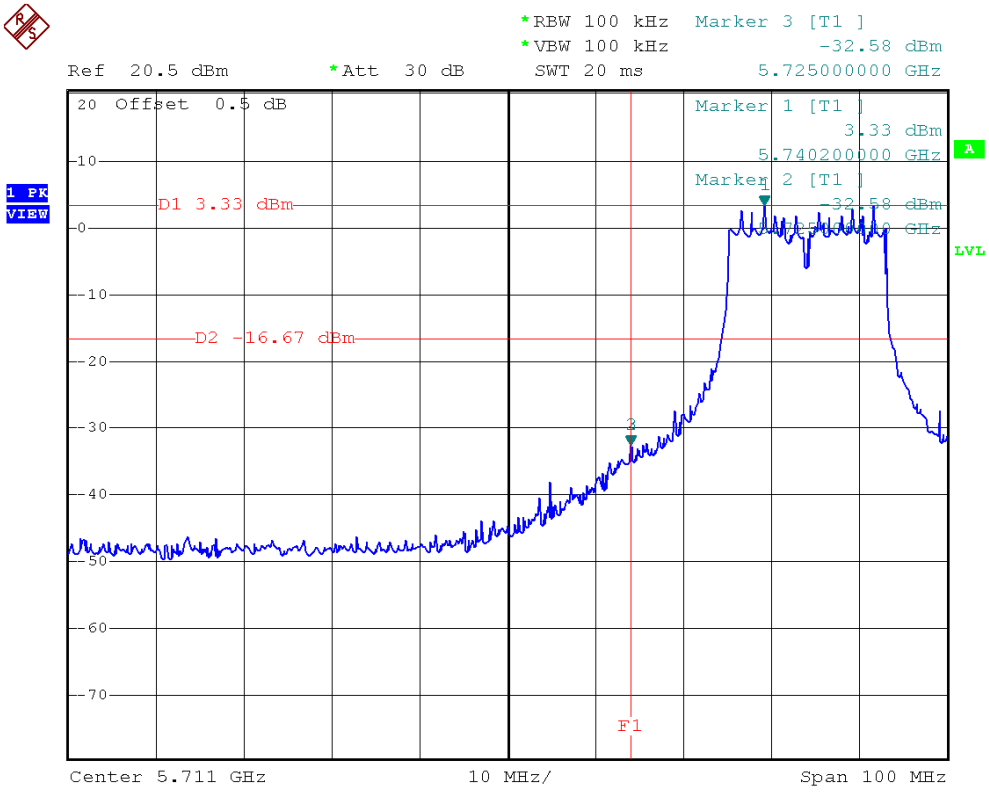
CH165


*RBW 100 kHz
*VBW 100 kHz
Ref 20.5 dBm
*Att 30 dB
SWT 20 ms
Marker 3 [T1]
-37.45 dBm
5.850600000 GHz
20 Offset 0.5 dB
Marker 1 [T1]
3.25 dBm
5.818800000 GHz
Marker 2 [T1]
-37.67 dBm
5.850000000 GHz
1 PK VIEW
D1 3.25 dBm
D2 -16.75 dBm
A
LVL
F1
Center 5.857 GHz
10 MHz/
Span 100 MHz

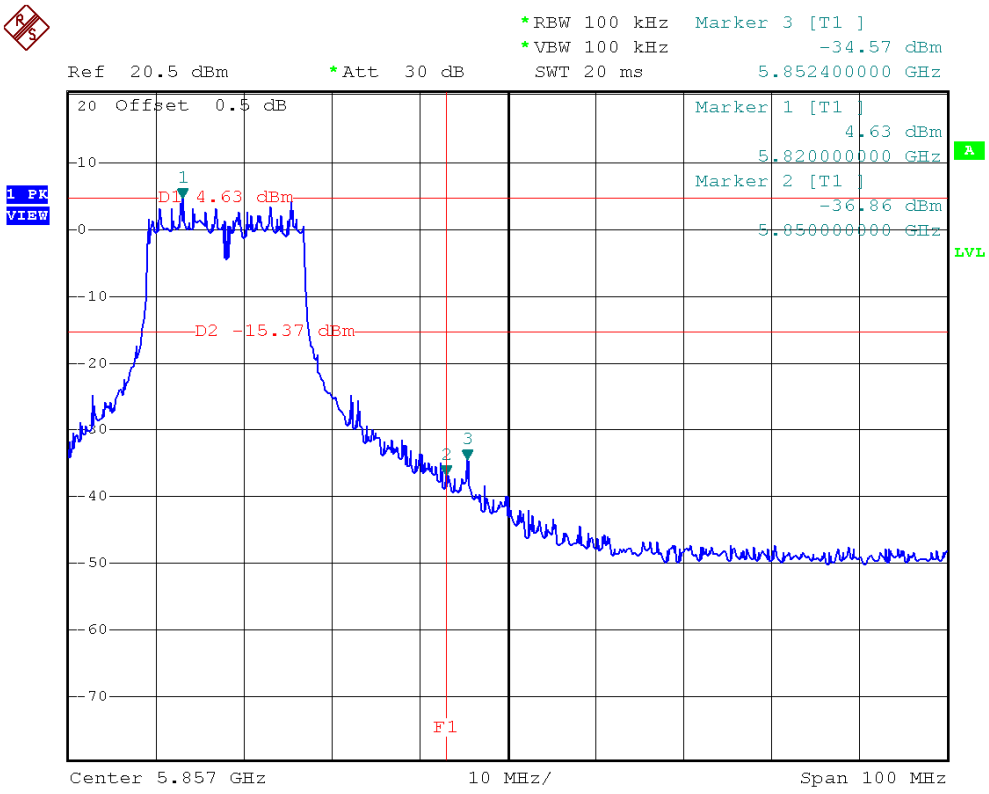
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH149, CH165 (Port 0)		

Channel of Worst Data: CH01,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)
5725.0	-32.58	5852.4	-34.57
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.			

CH149(Port 0)



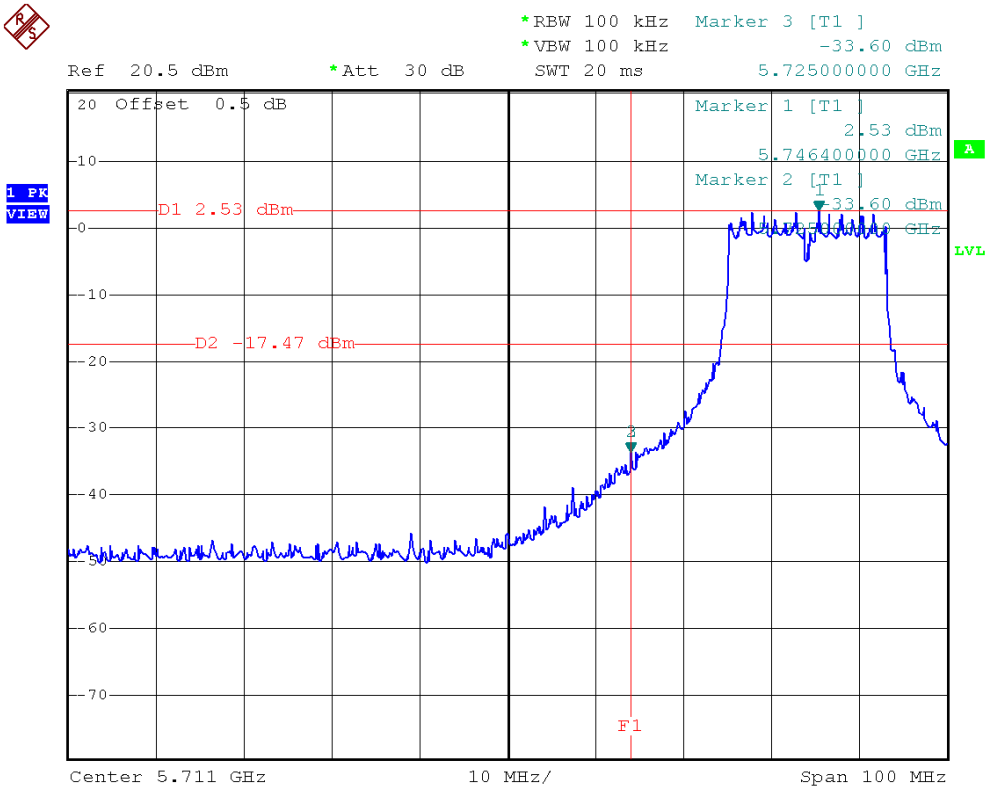
CH165(Port 0)



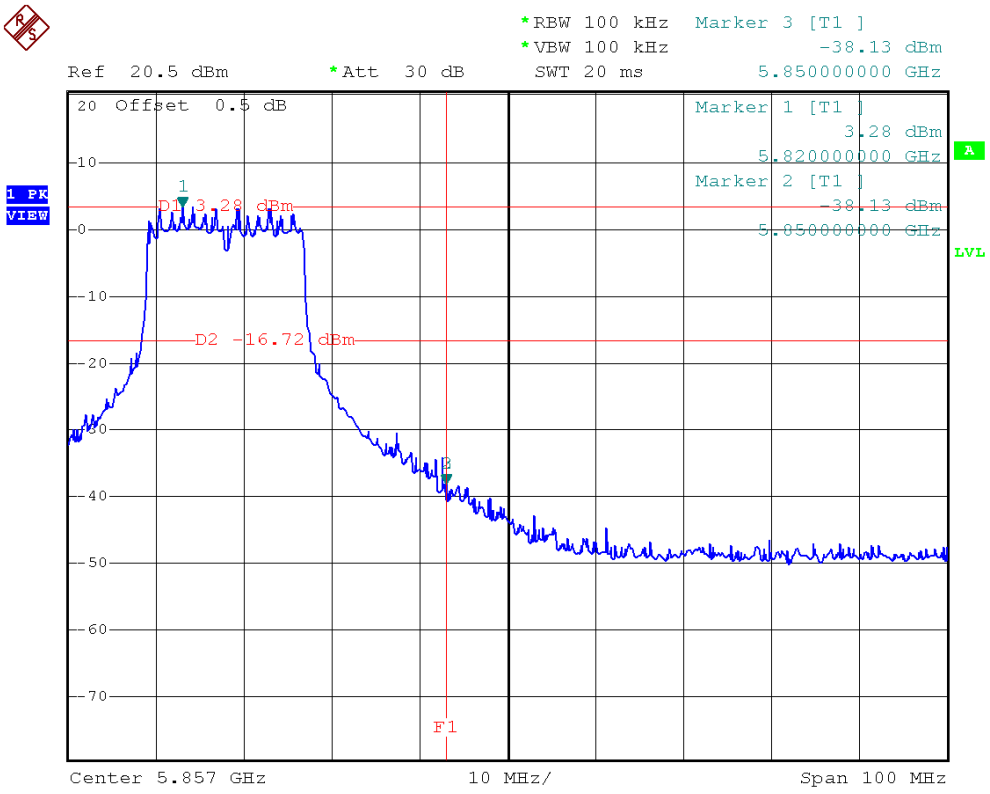
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH149, CH165 (Port 1)		

Channel of Worst Data: CH149,CH165			
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)
5725	-33.6	5850.0	-38.13
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.			

CH149(Port 1)



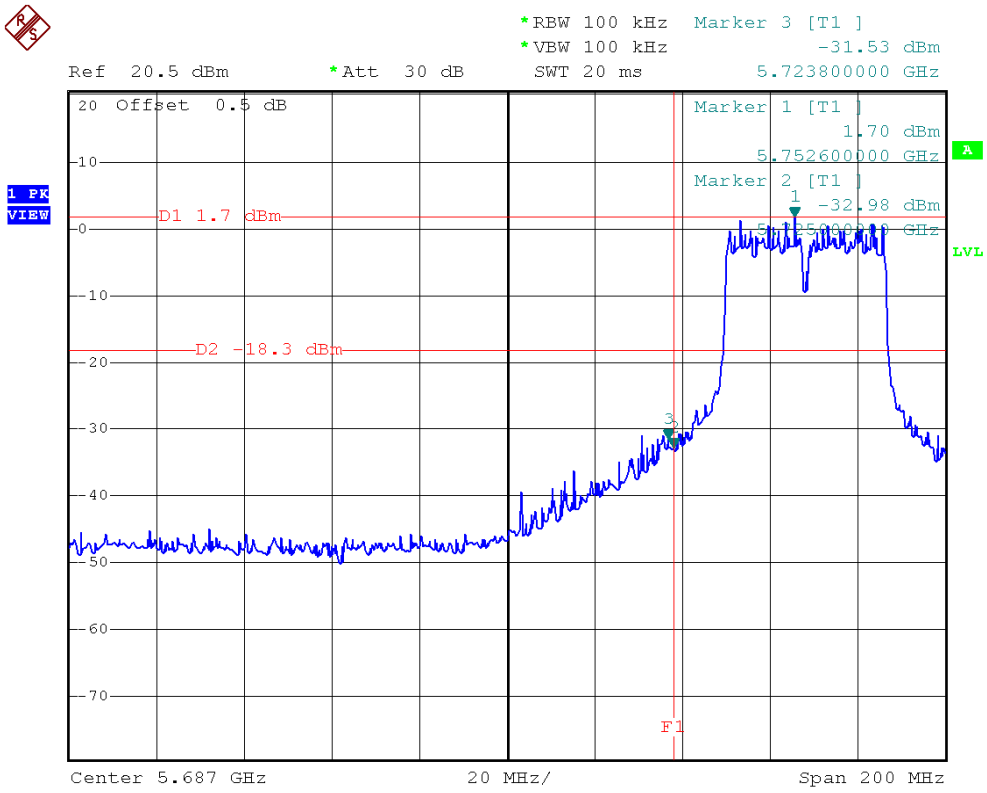
CH165(Port 1)



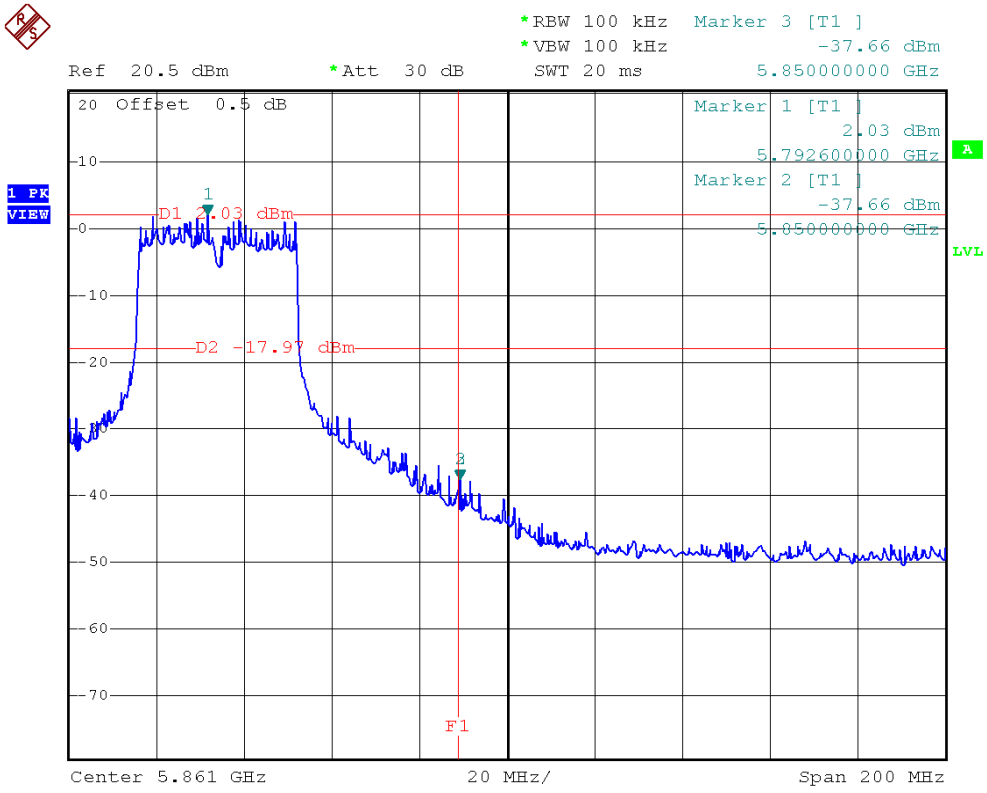
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH151, CH159 (Port 0)		

Channel of Worst Data: CH151,CH159			
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)
5723.8	-31.53	5850.0	-37.66
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.			

CH151(Port 0)



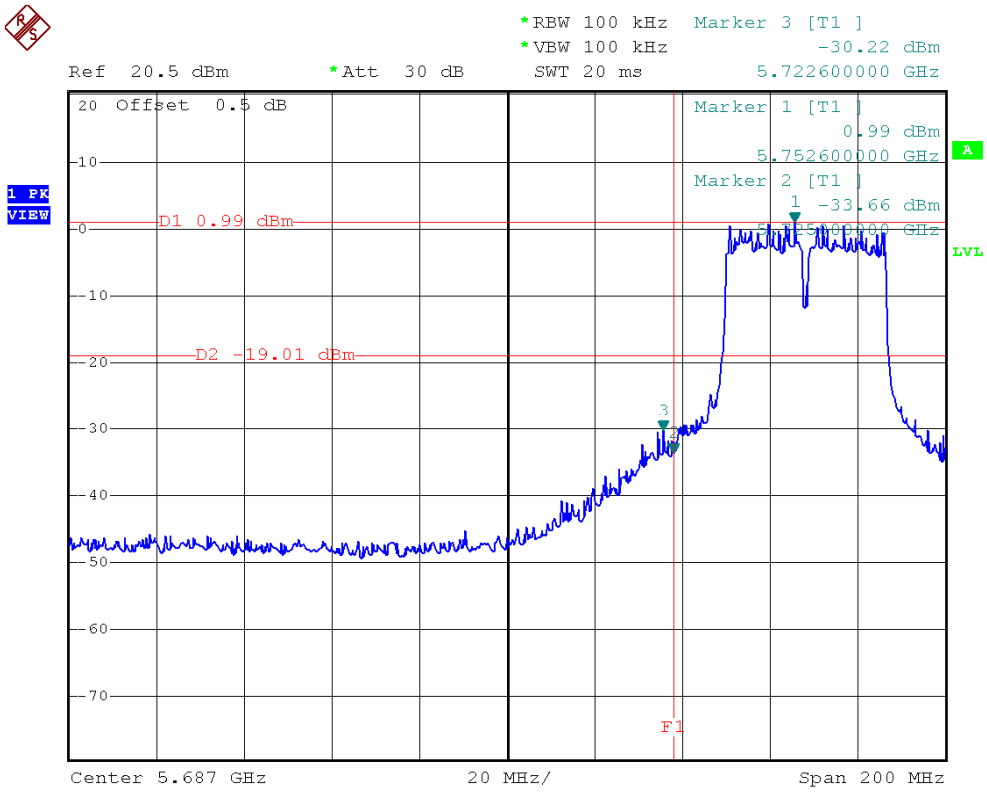
CH159(Port 0)



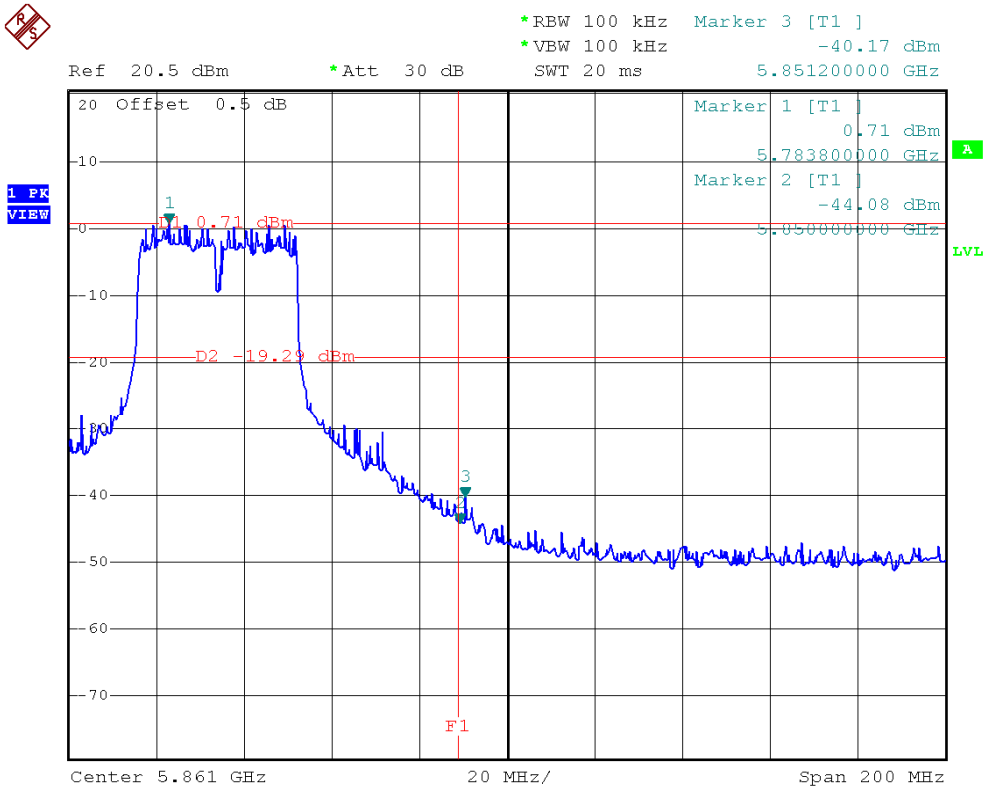
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH151, CH159 (Port 1)		

Channel of Worst Data: CH151,CH159			
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)
5722.6	-30.22	5851.2	-40.17
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.			

CH151(Port 1)



CH159(Port 1)



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	Sep. 09, 2010

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

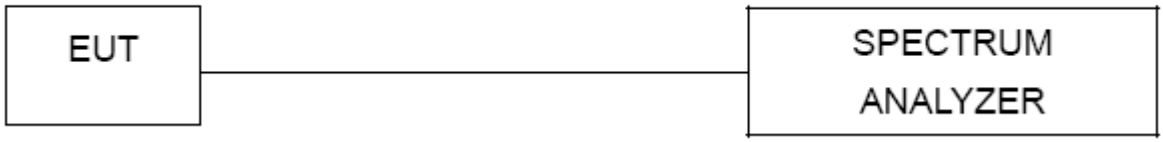
8.1.2 TEST PROCEDURE

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

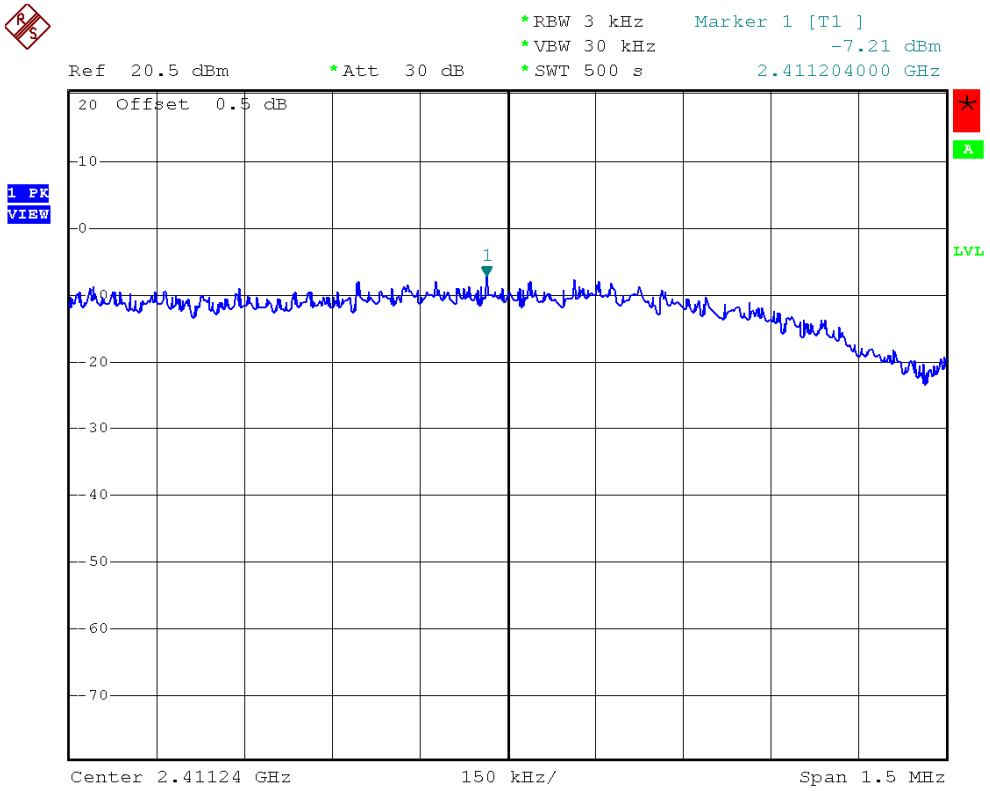
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

8.1.6 TEST RESULTS

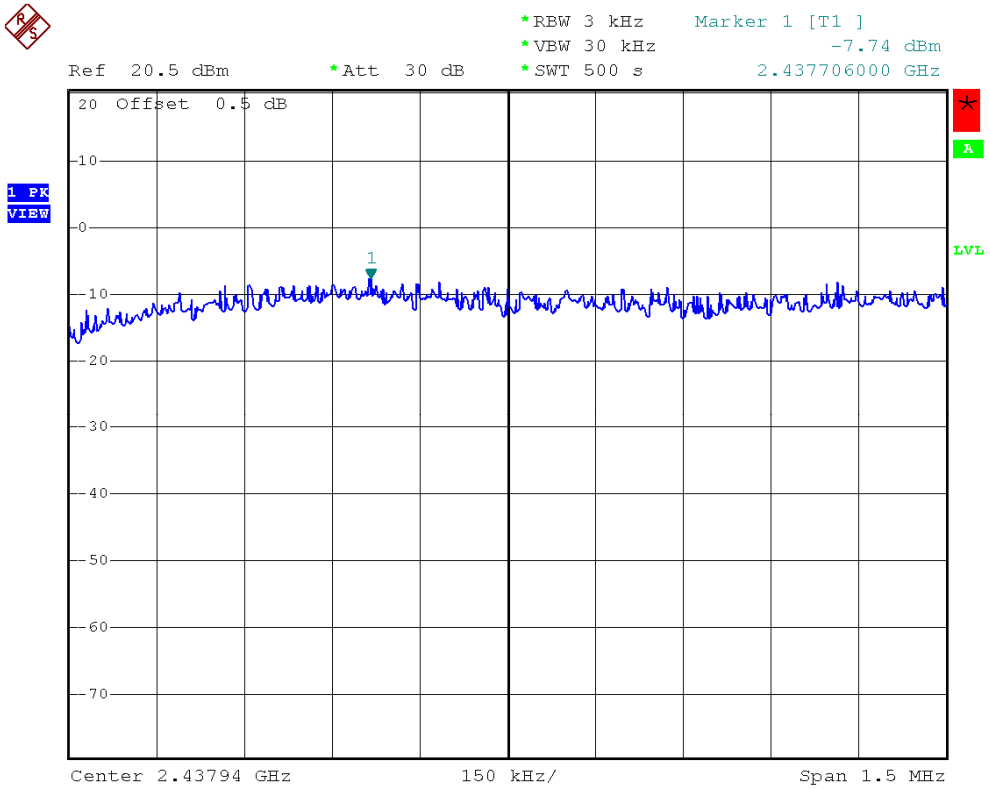
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11b/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412	-7.21	8
CH06	2437	-7.74	8
CH11	2462	-7.69	8

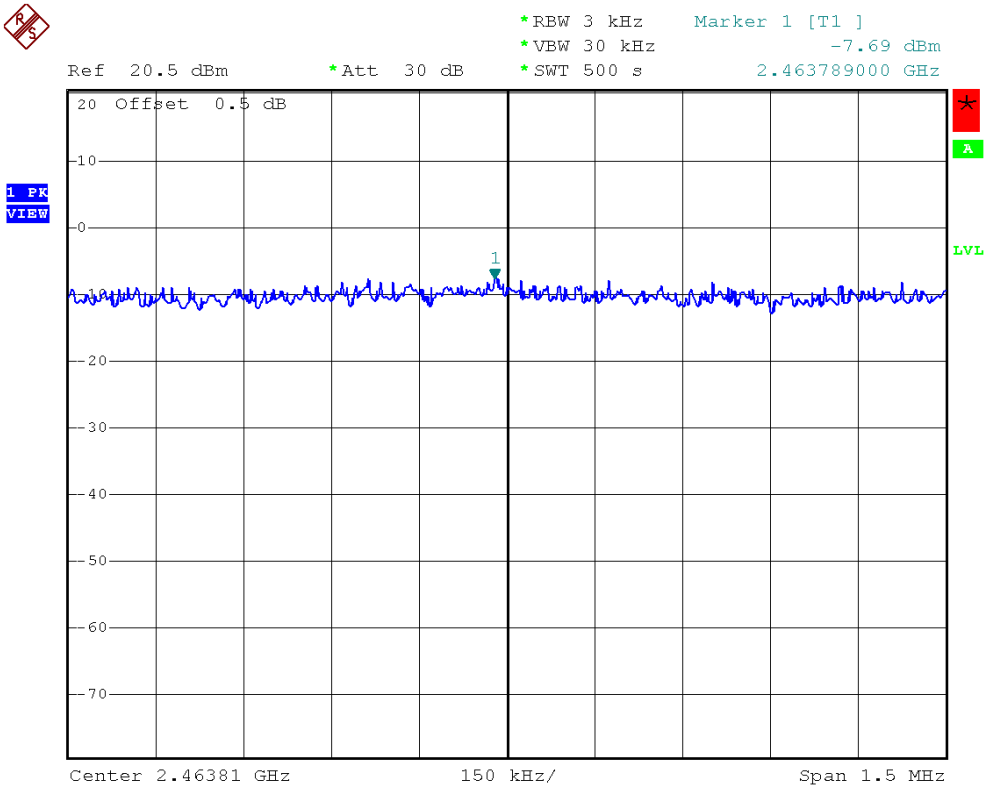
CH01



CH06


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-7.74 dBm
2.437706000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK
VIEW
LVL
A
Center 2.43794 GHz
150 kHz/
Span 1.5 MHz

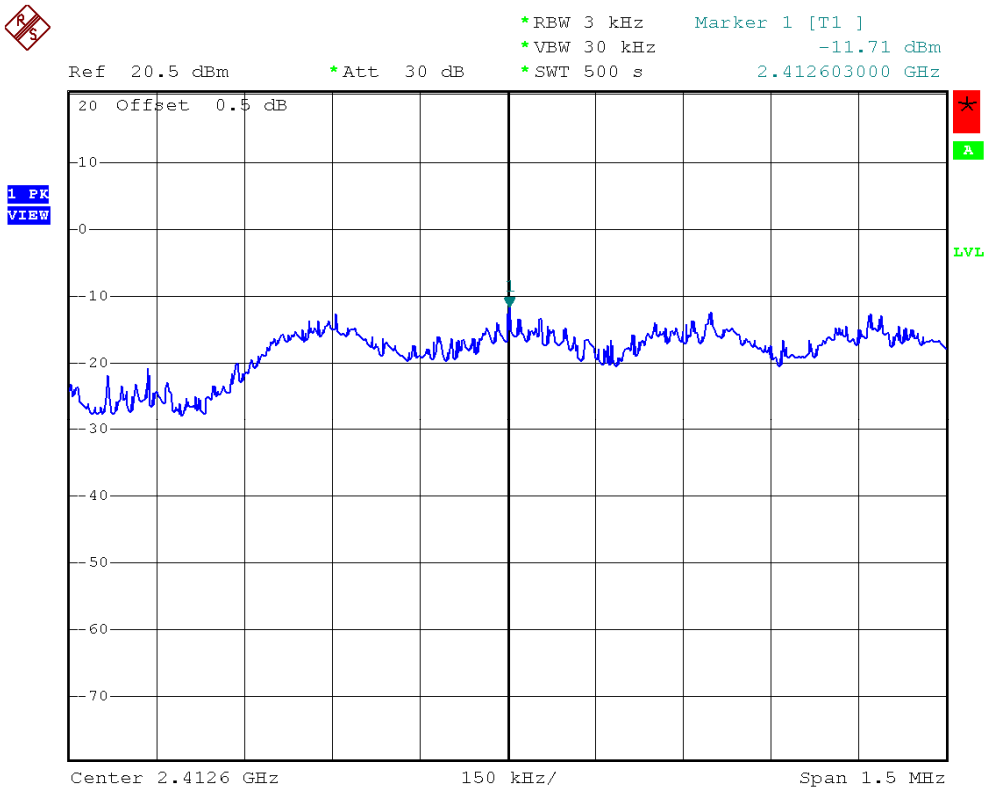
CH11


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-7.69 dBm
2.463789000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK
VIEW
LVL
A
Center 2.46381 GHz
150 kHz/
Span 1.5 MHz

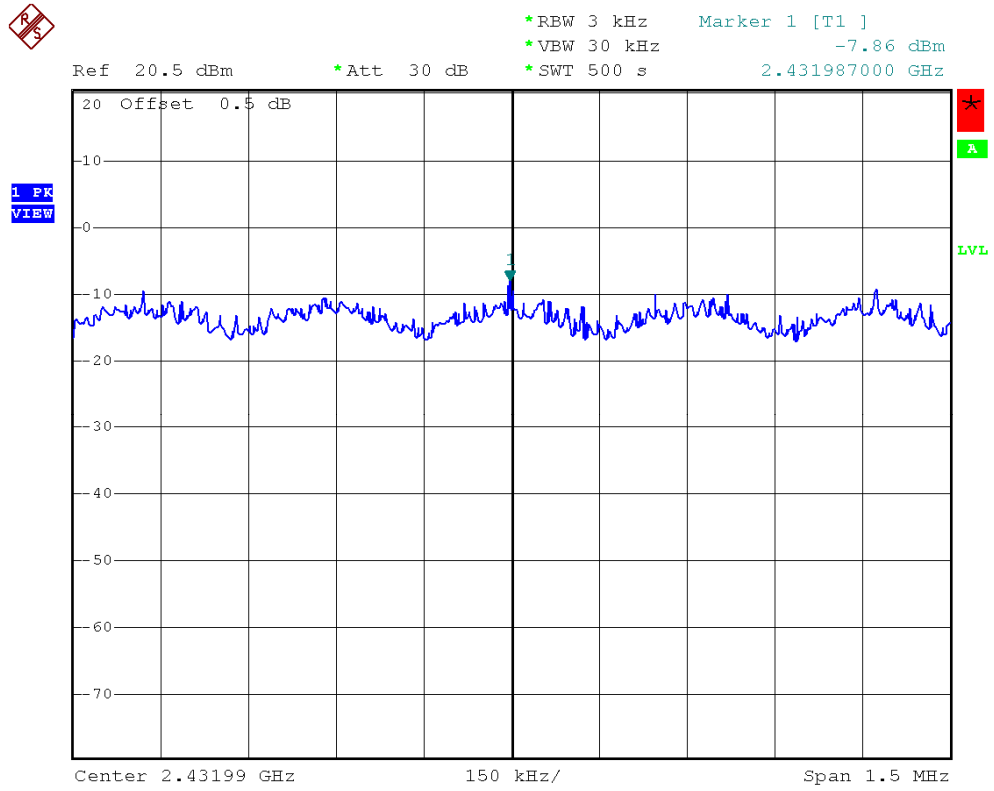
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11g/CH01, CH06, CH11		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412	-11.71	8
CH06	2437	-7.86	8
CH11	2462	-10.41	8

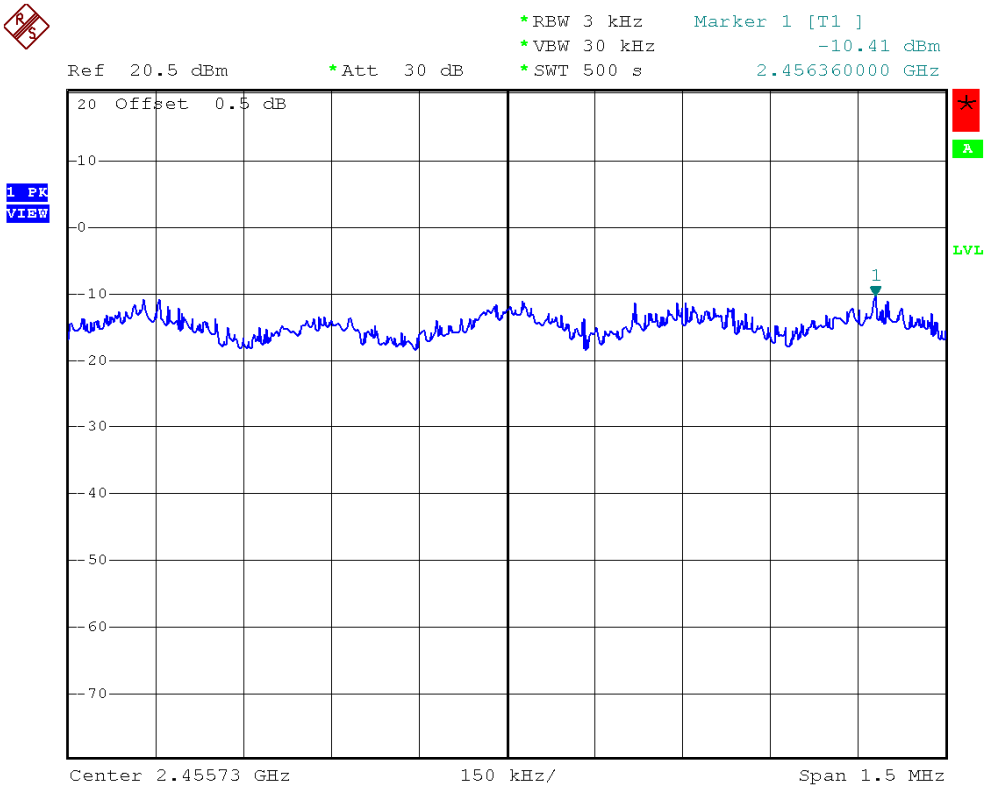
CH01



CH06


RBW 3 kHz
VBW 30 kHz
SWT 500 s
Marker 1 [T1]
-7.86 dBm
2.431987000 GHz
Ref 20.5 dBm
Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 2.43199 GHz
150 kHz/
Span 1.5 MHz

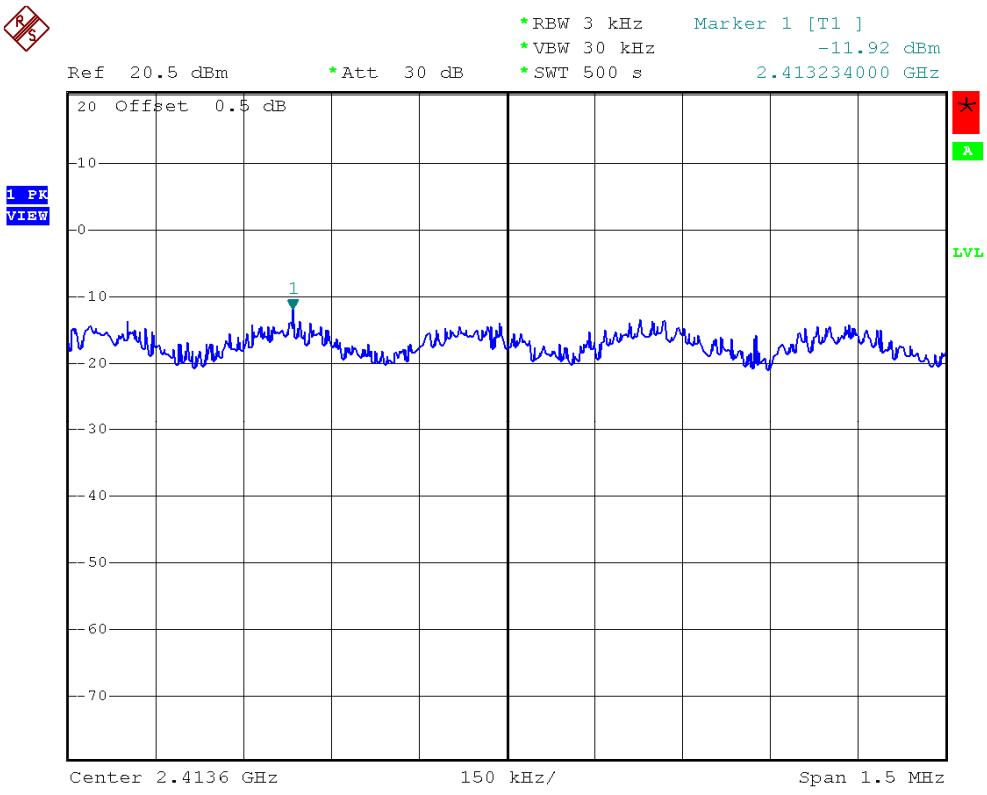
CH11


RBW 3 kHz
VBW 30 kHz
SWT 500 s
Marker 1 [T1]
-10.41 dBm
2.456360000 GHz
Ref 20.5 dBm
Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 2.45573 GHz
150 kHz/
Span 1.5 MHz

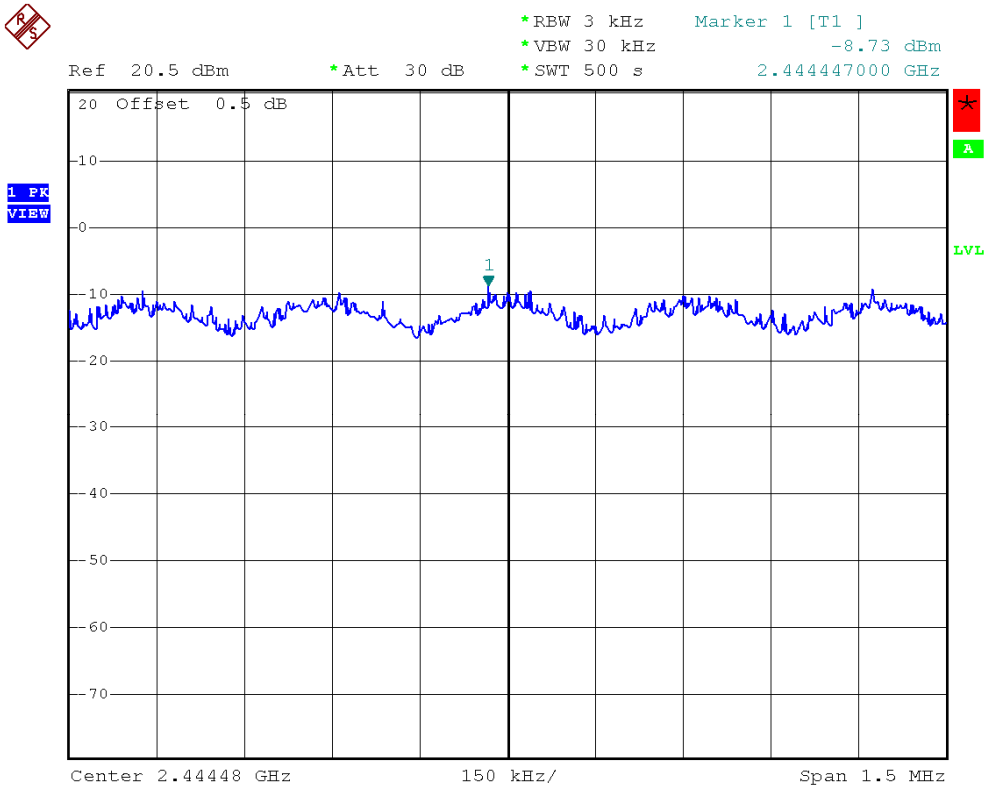
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH01, CH06, CH11(Port. 0)		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412	-11.92	8
CH06	2437	-8.73	8
CH11	2462	-12.30	8

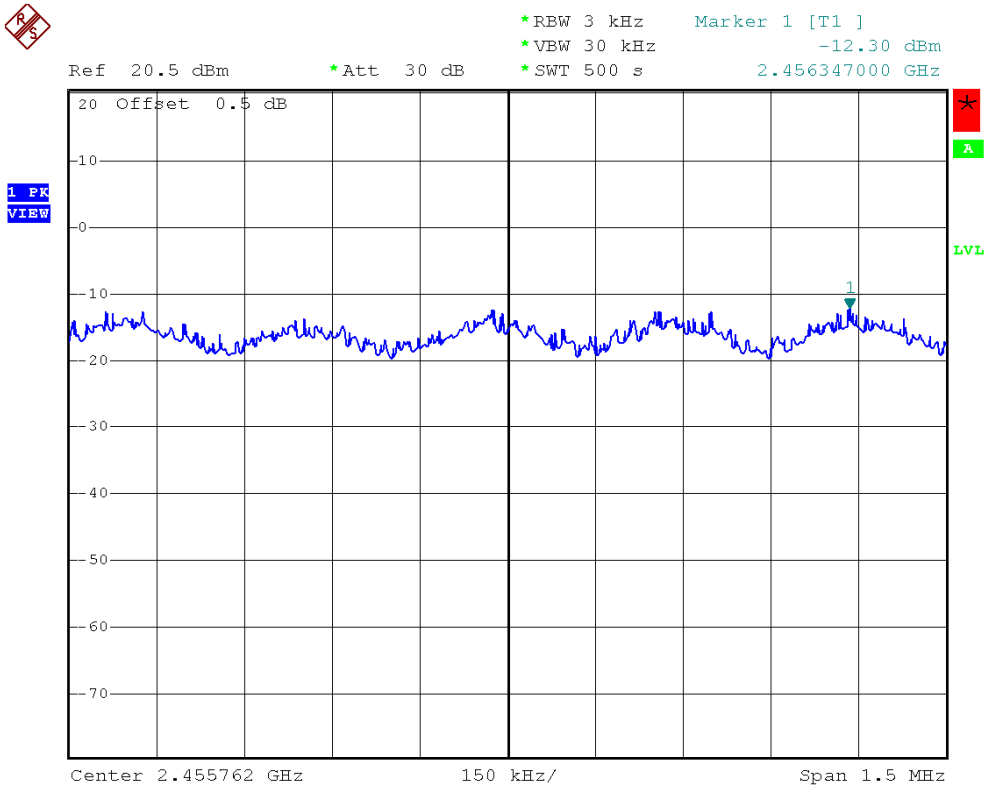
CH01



CH06


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-8.73 dBm
2.444447000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK
VIEW
A
LVL
10
0
-10
-20
-30
-40
-50
-60
-70
Center 2.44448 GHz
150 kHz/
Span 1.5 MHz

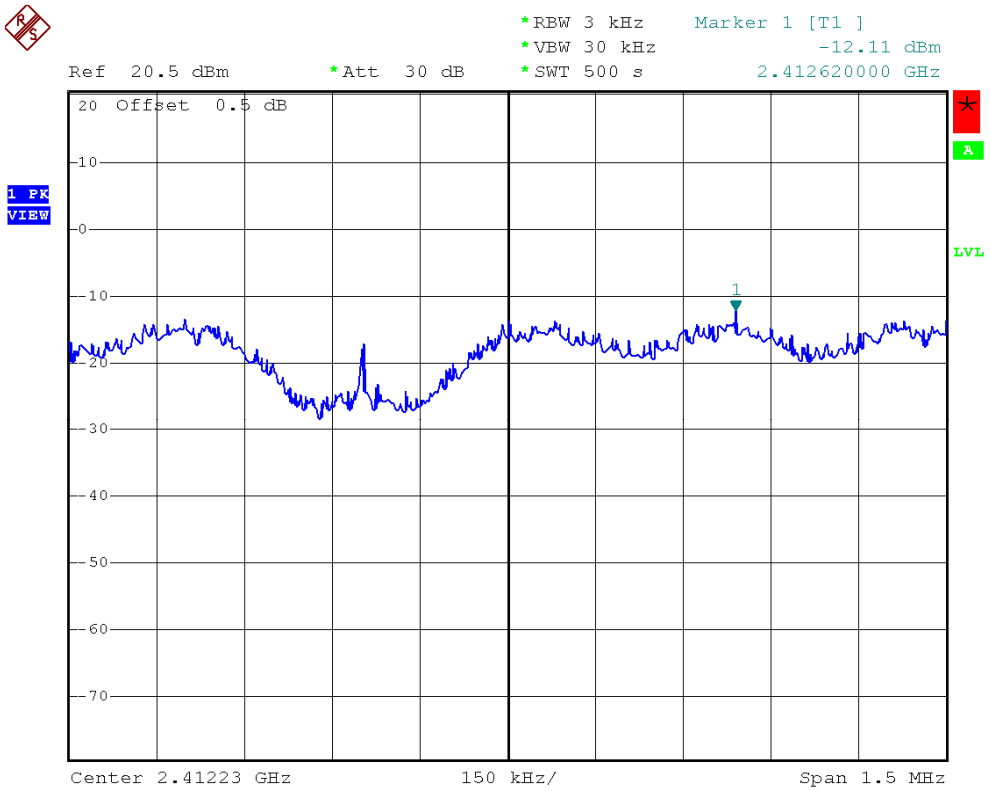
CH11


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-12.30 dBm
2.456347000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK
VIEW
A
LVL
10
0
-10
-20
-30
-40
-50
-60
-70
Center 2.455762 GHz
150 kHz/
Span 1.5 MHz

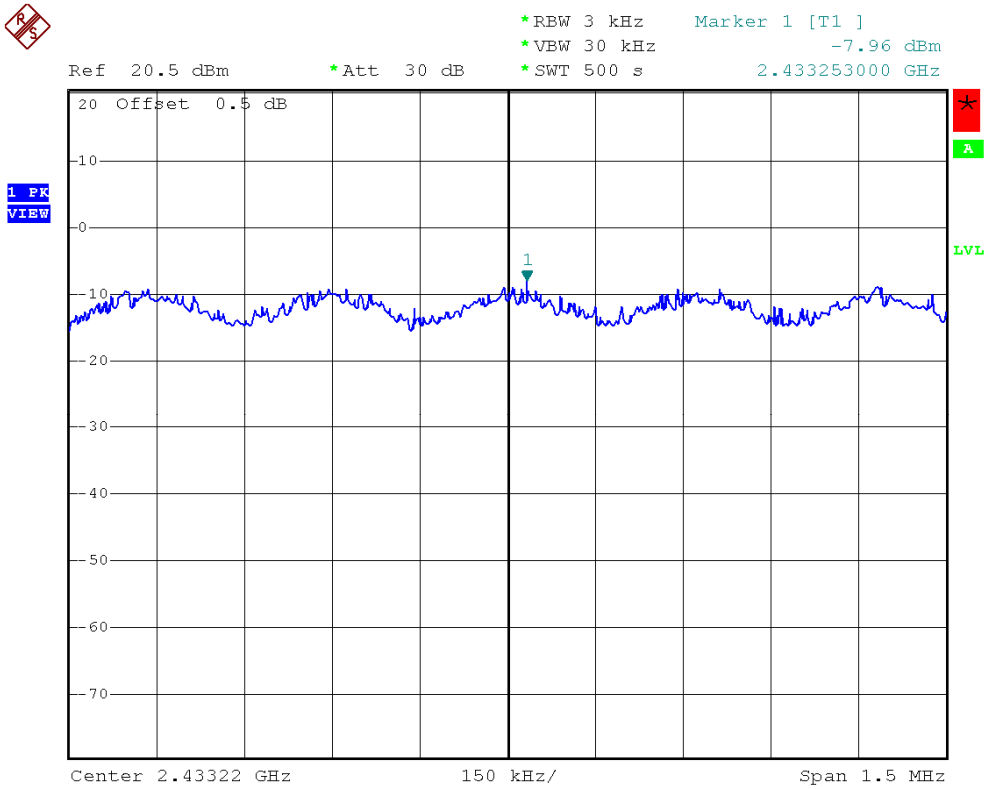
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/CH01, CH06, CH11(Port. 1)		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412	-12.11	8
CH06	2437	-7.96	8
CH11	2462	-12.15	8

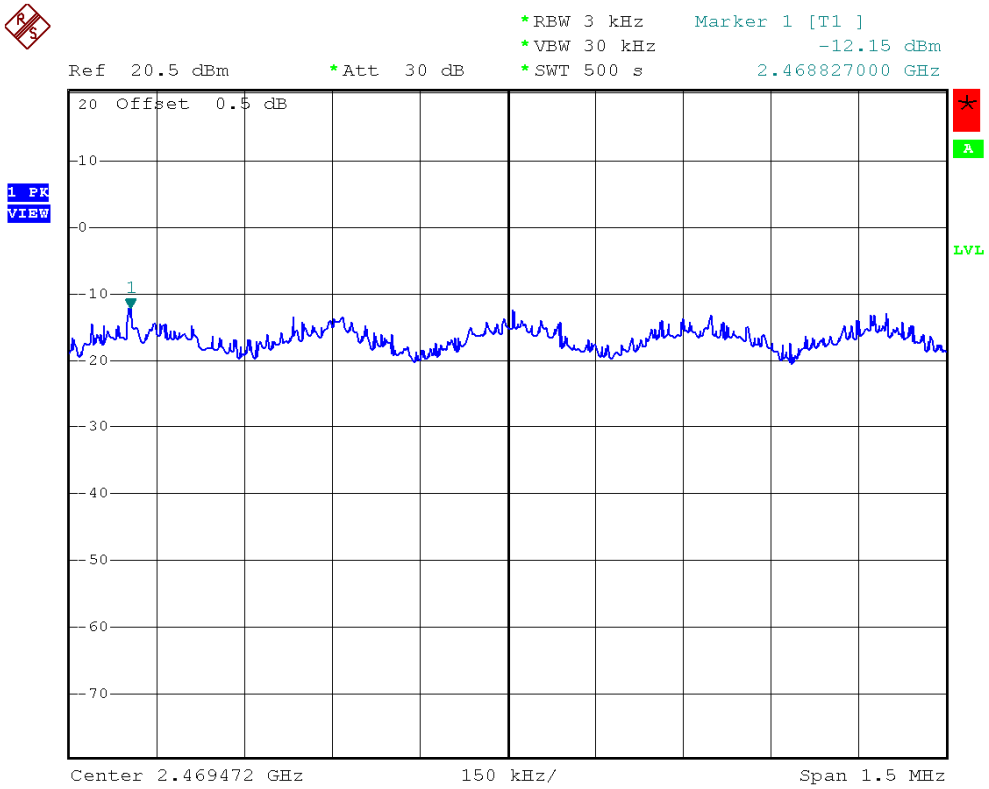
CH01



CH06


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-7.96 dBm
2.433253000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 2.43322 GHz
150 kHz/
Span 1.5 MHz

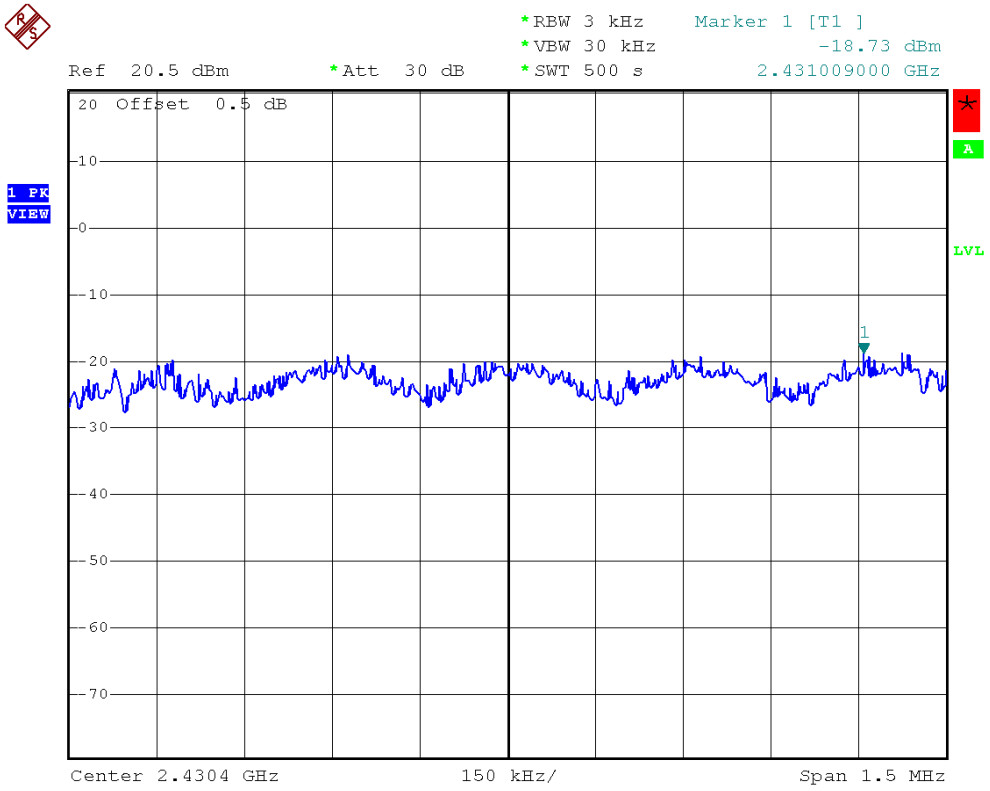
CH11


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-12.15 dBm
2.468827000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 2.469472 GHz
150 kHz/
Span 1.5 MHz

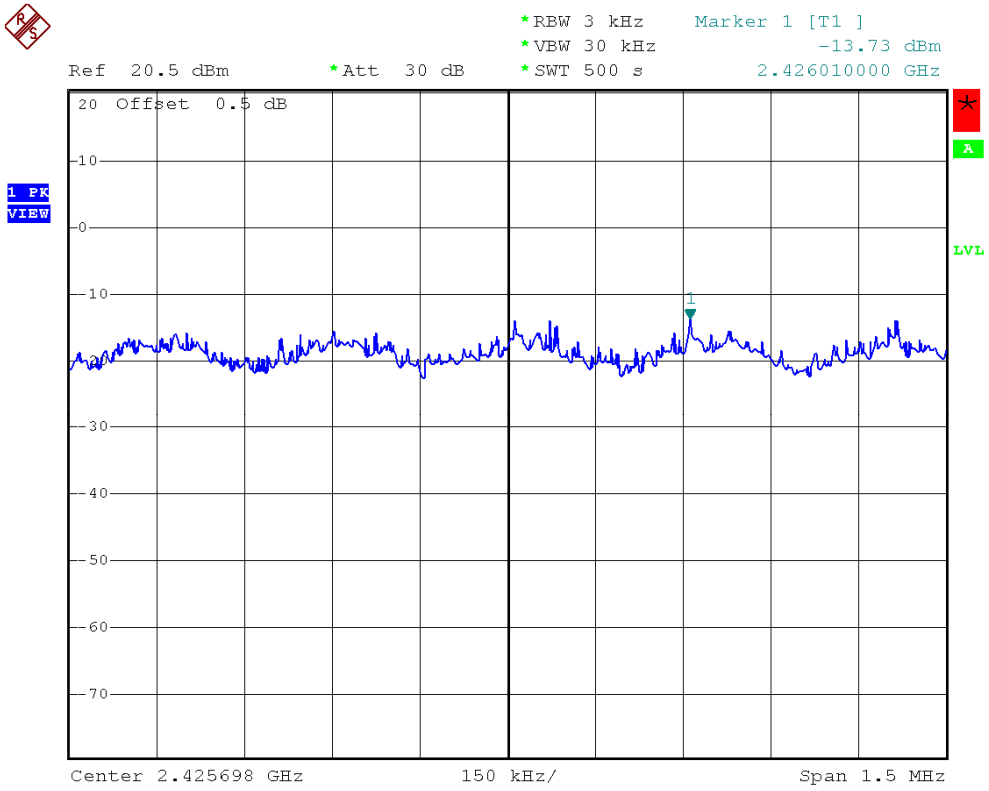
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH03, CH06, CH09(Port. 0)		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH03	2422	-18.73	8
CH06	2437	-13.73	8
CH09	2452	-18.46	8

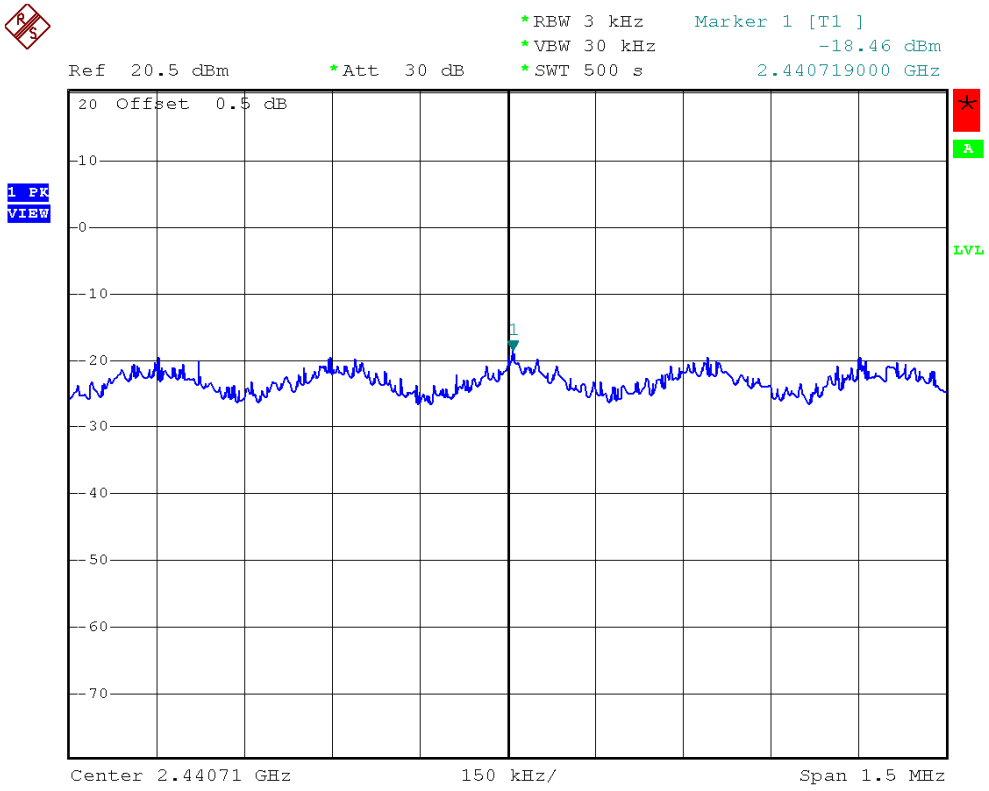
CH03



CH06


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-13.73 dBm
2.426010000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK
VIEW
A
LVL
Center 2.425698 GHz
150 kHz/
Span 1.5 MHz

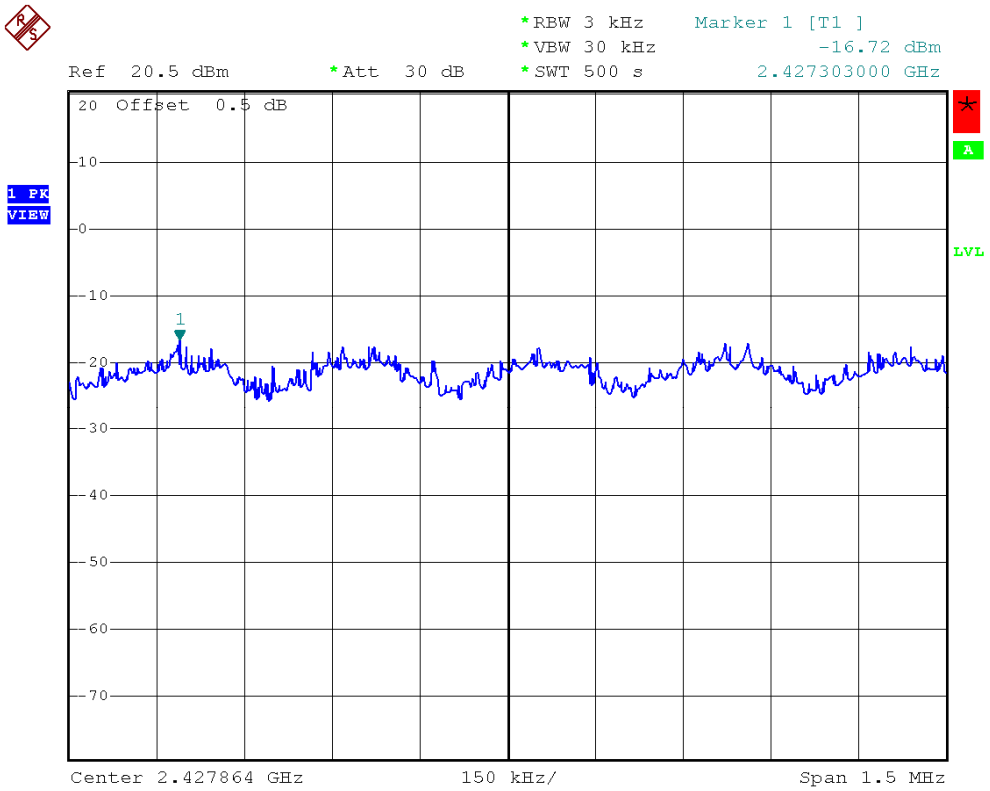
CH09


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-18.46 dBm
2.440719000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK
VIEW
A
LVL
Center 2.44071 GHz
150 kHz/
Span 1.5 MHz

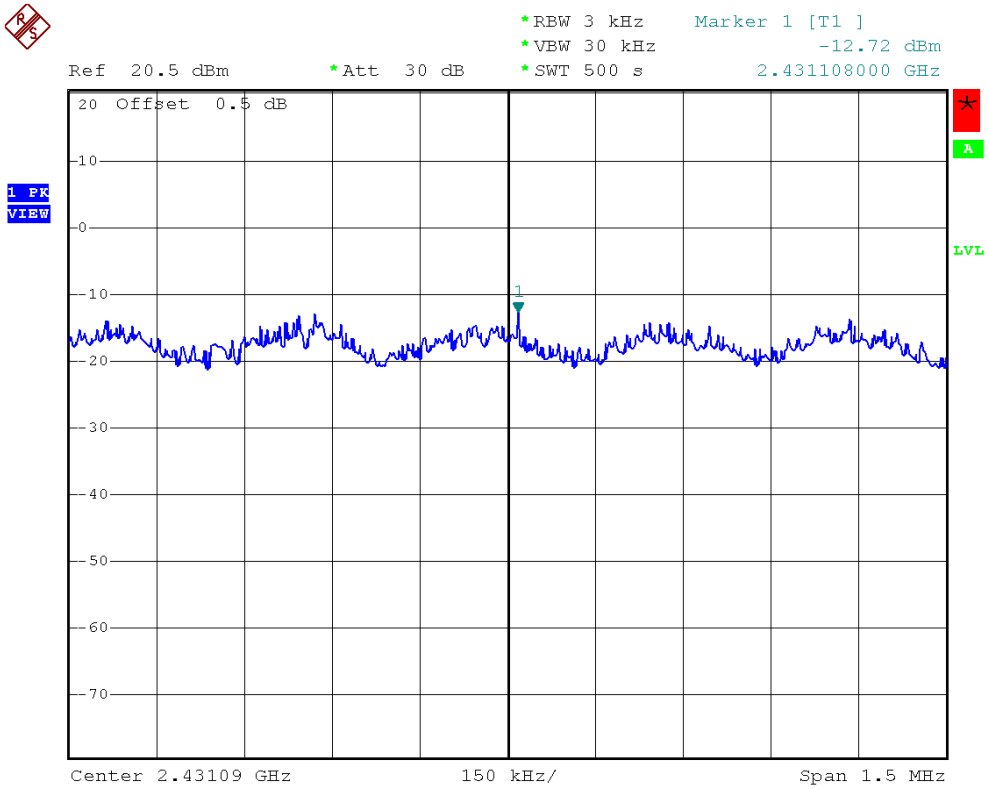
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13˚C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH03, CH06, CH09(Port. 1)		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH03	2422	-16.72	8
CH06	2437	-12.72	8
CH09	2452	-19.10	8

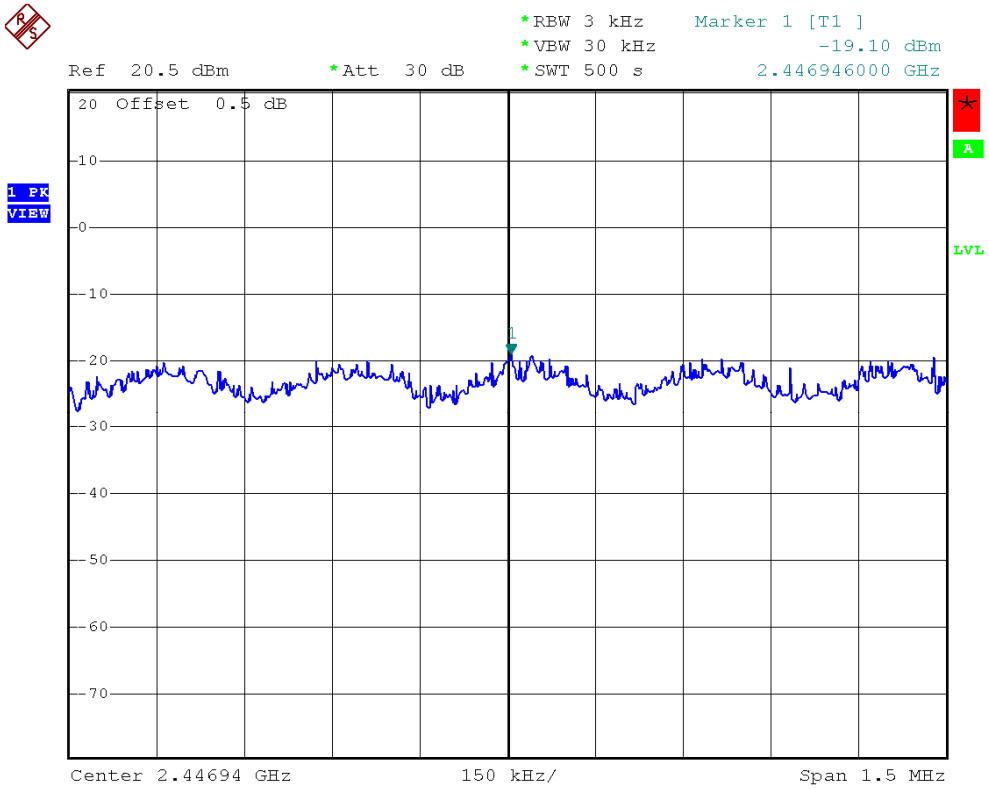
CH03



CH06


RBW 3 kHz
VBW 30 kHz
SWT 500 s
Marker 1 [T1]
-12.72 dBm
2.431108000 GHz
Ref 20.5 dBm
Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 2.43109 GHz
150 kHz/
Span 1.5 MHz

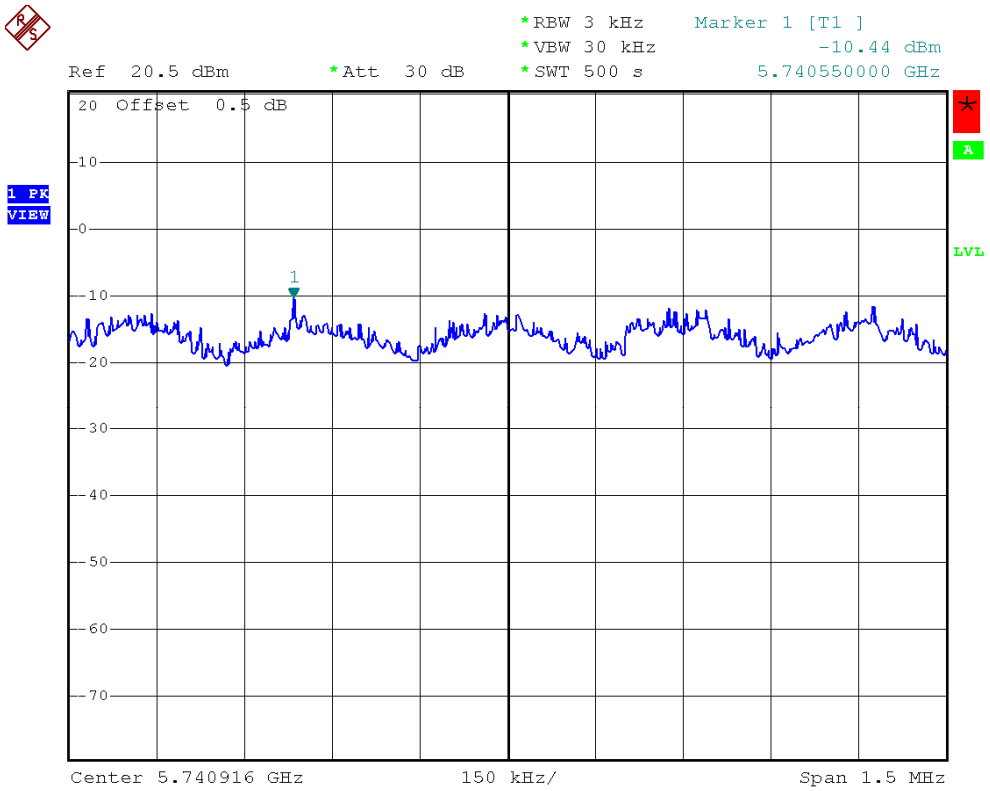
CH09


RBW 3 kHz
VBW 30 kHz
SWT 500 s
Marker 1 [T1]
-19.10 dBm
2.446946000 GHz
Ref 20.5 dBm
Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 2.44694 GHz
150 kHz/
Span 1.5 MHz

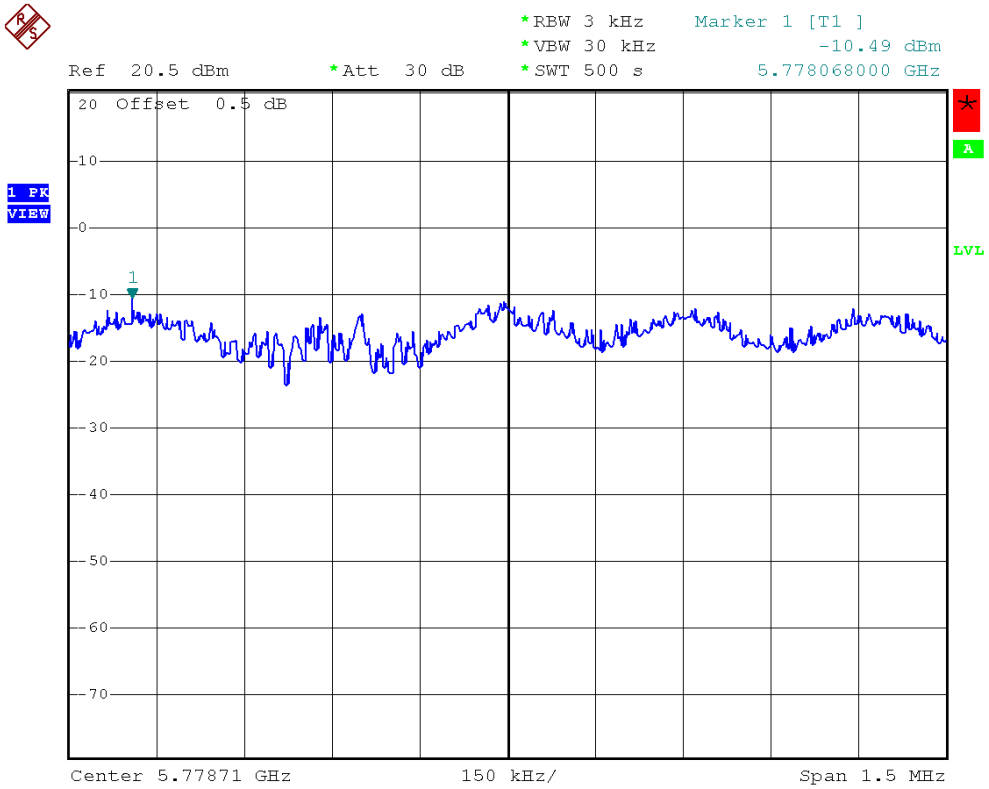
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11a/CH149, CH157, CH165		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH149	5745	-10.44	8
CH157	5785	-10.49	8
CH165	5825	-3.63	8

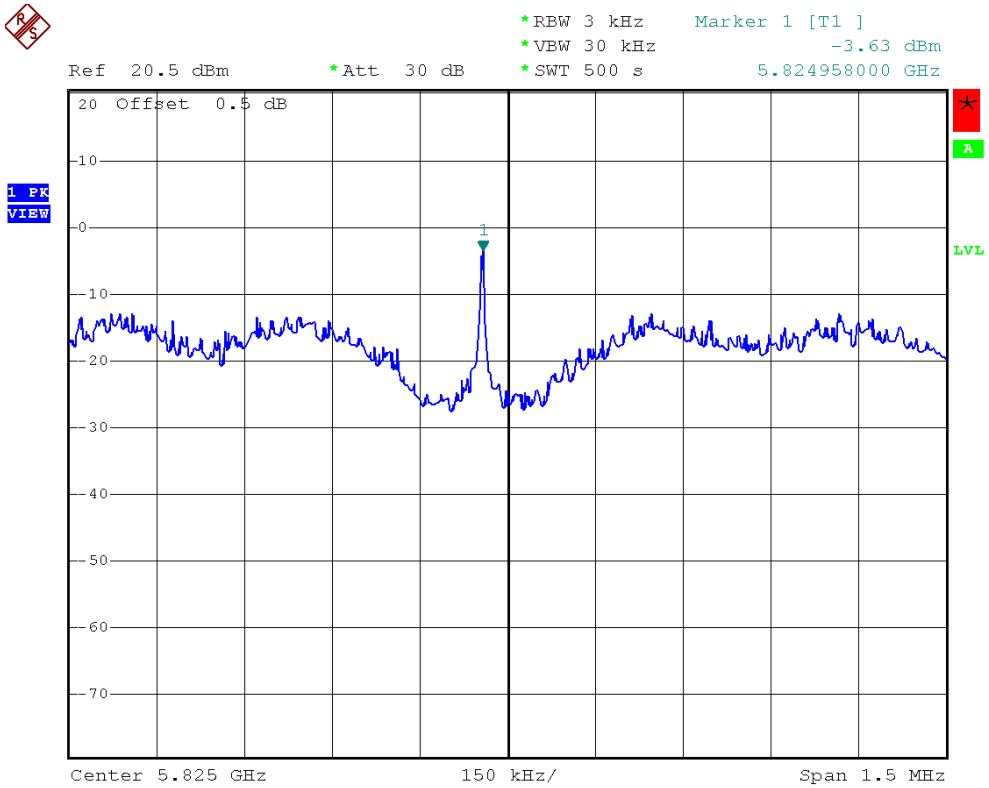
CH149



CH157


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-10.49 dBm
5.778068000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 5.77871 GHz
150 kHz/
Span 1.5 MHz

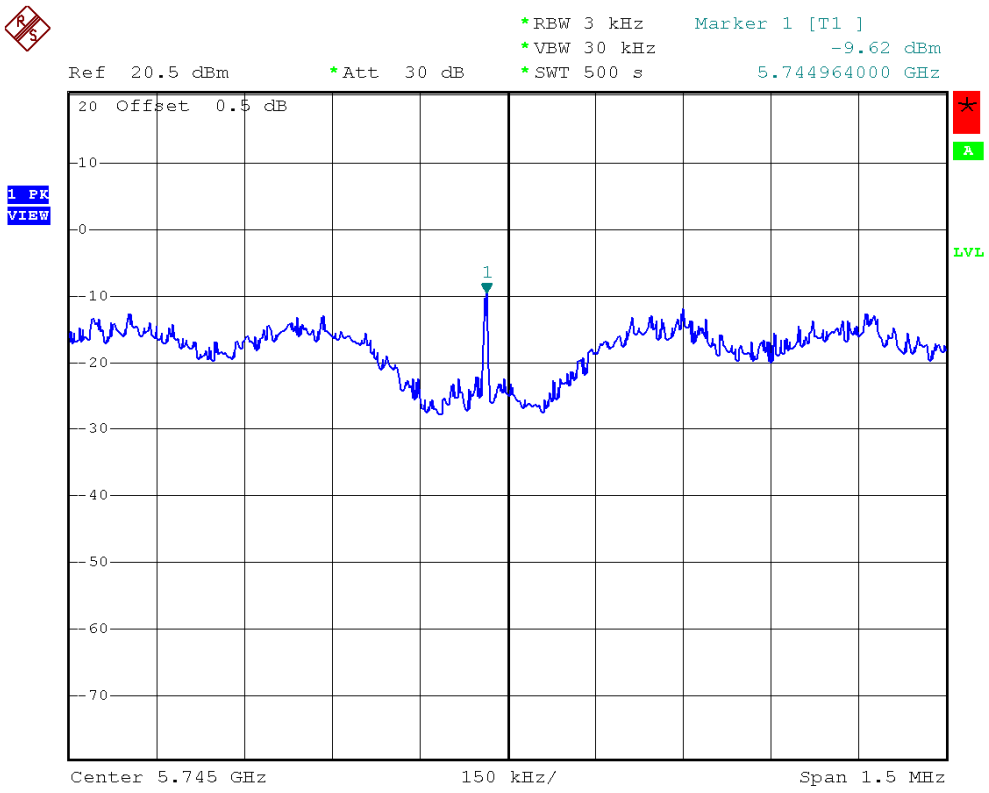
CH165


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-3.63 dBm
5.824958000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 5.825 GHz
150 kHz/
Span 1.5 MHz

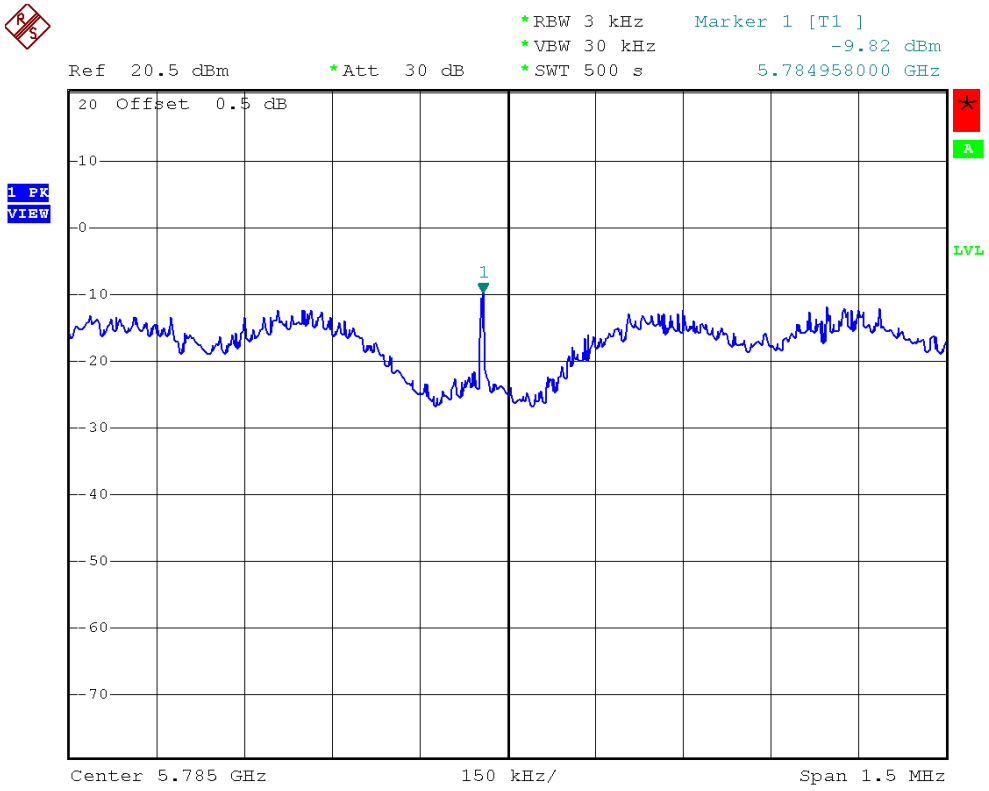
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/ CH149, CH157, CH165 (Port. 0)		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH149	5745	-9.62	8
CH157	5785	-9.82	8
CH165	5825	-4.88	8

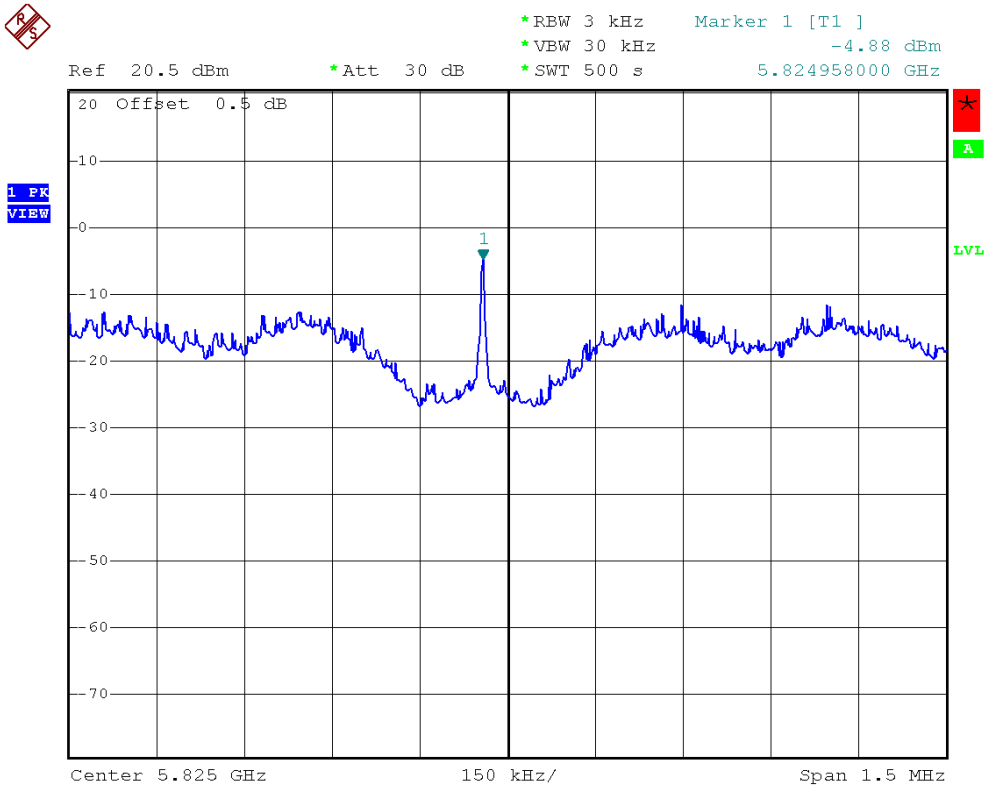
CH149



CH157


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-9.82 dBm
5.784958000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 5.785 GHz
150 kHz/
Span 1.5 MHz

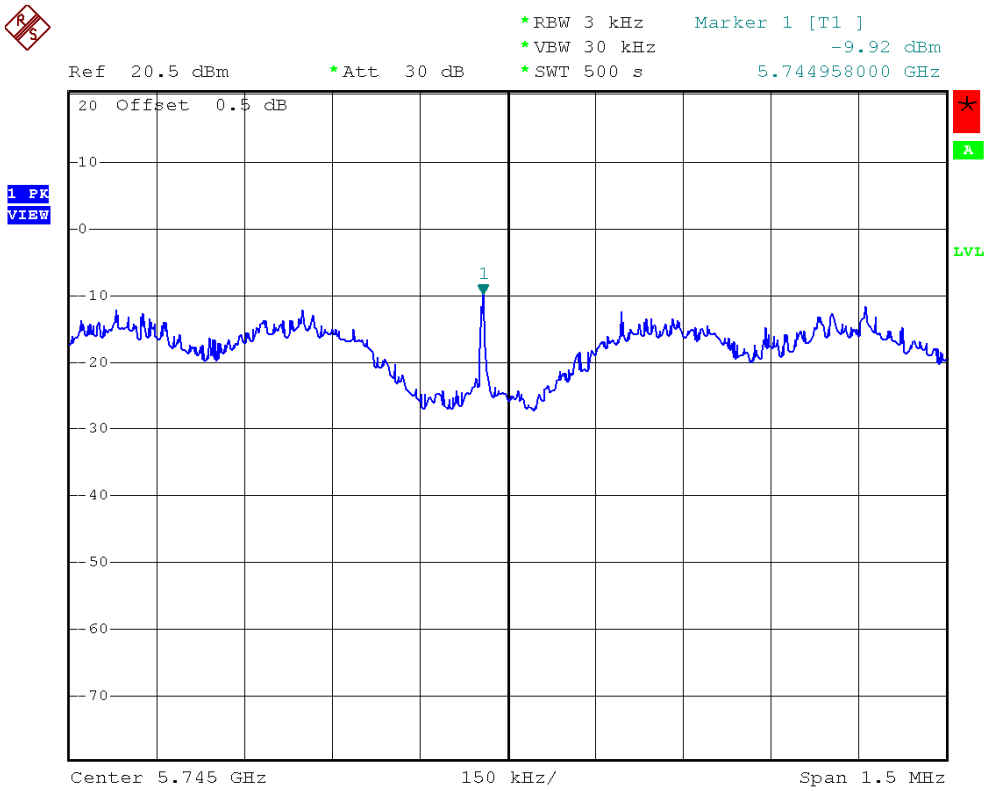
CH165


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-4.88 dBm
5.824958000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 5.825 GHz
150 kHz/
Span 1.5 MHz

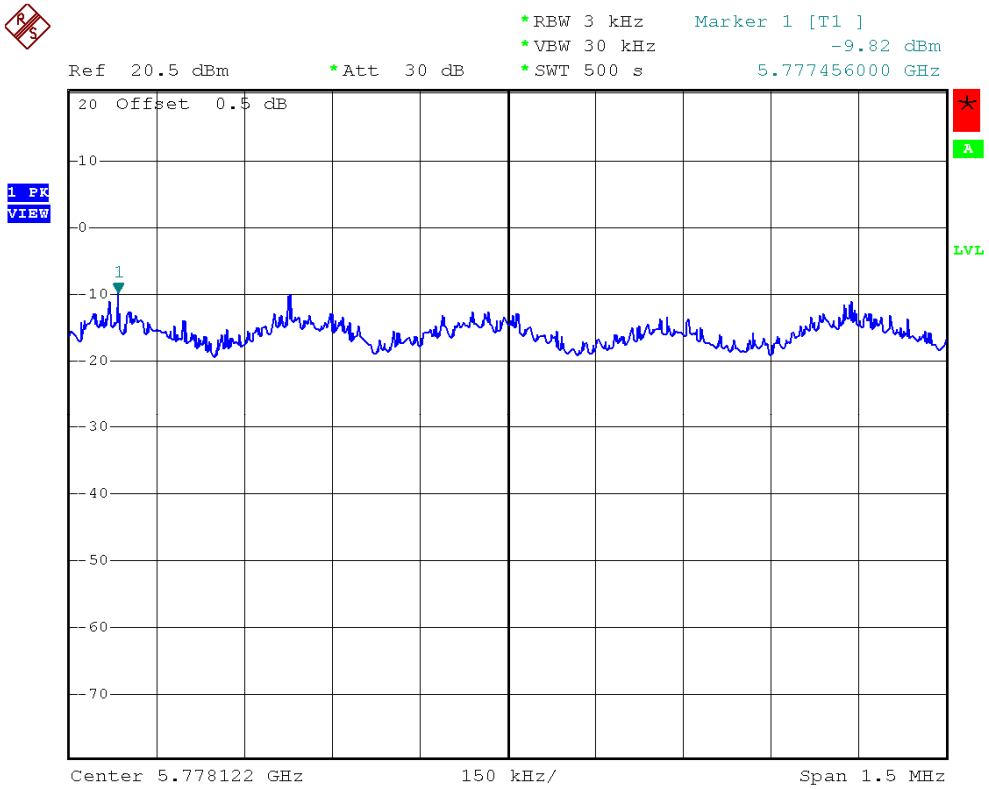
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/20M/ CH149, CH157, CH165 (Port. 1)		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH149	5745	-9.92	8
CH157	5785	-9.82	8
CH165	5825	-11.73	8

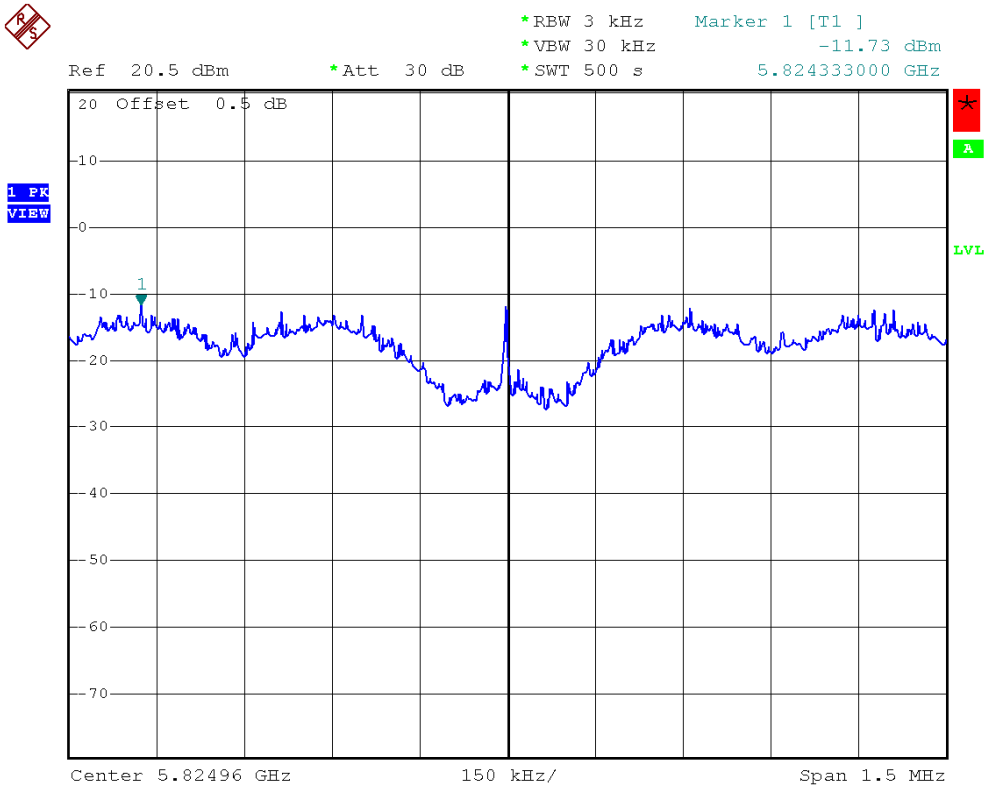
CH149



CH157


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-9.82 dBm
5.777456000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 5.778122 GHz
150 kHz/
Span 1.5 MHz

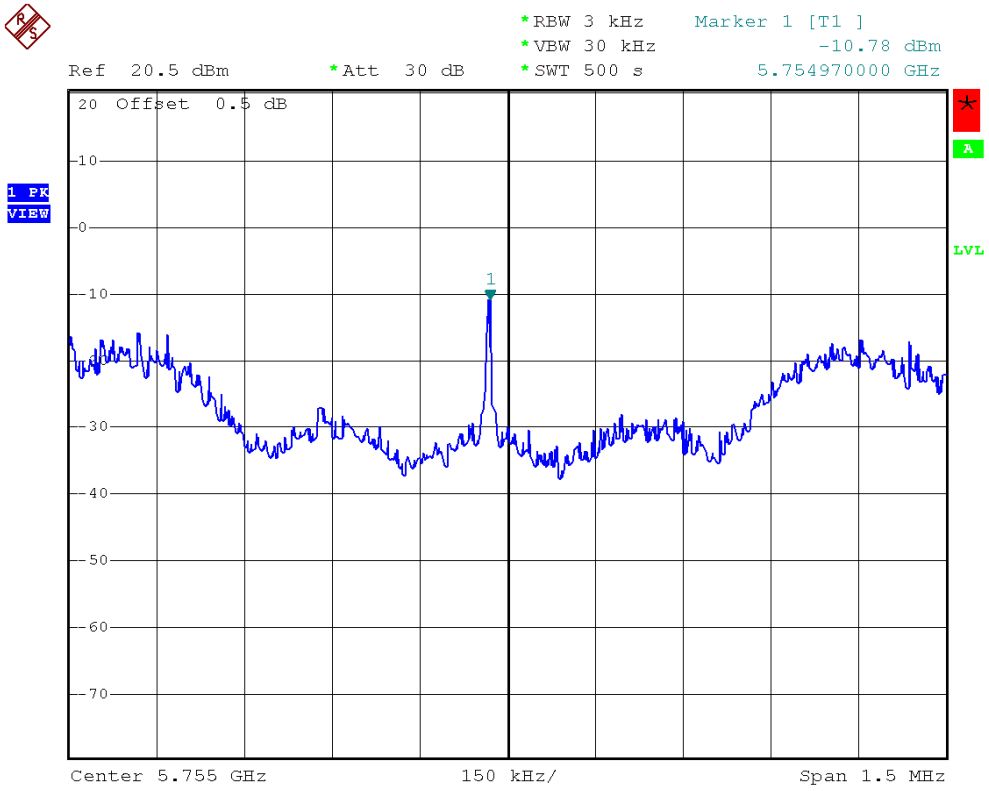
CH165


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-11.73 dBm
5.824333000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 5.82496 GHz
150 kHz/
Span 1.5 MHz

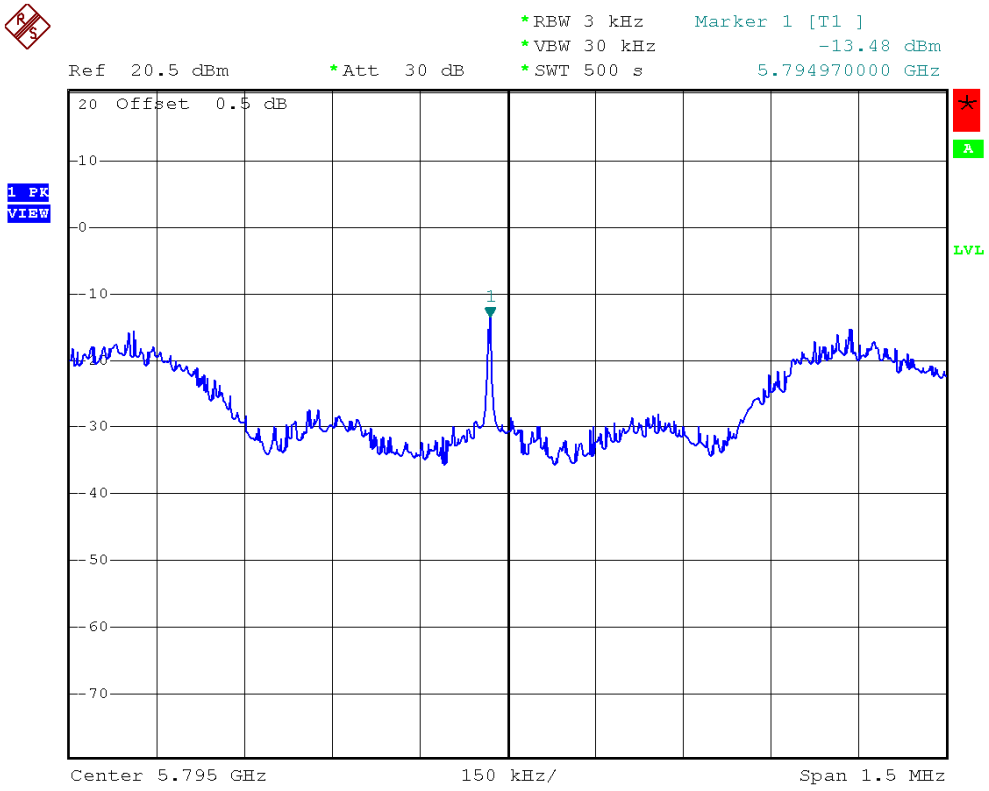
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/CH151, CH159(Port. 0)		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH151	5755	-10.78	8
CH159	5795	-13.48	8

CH151


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-10.78 dBm
5.754970000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 5.755 GHz
150 kHz/
Span 1.5 MHz

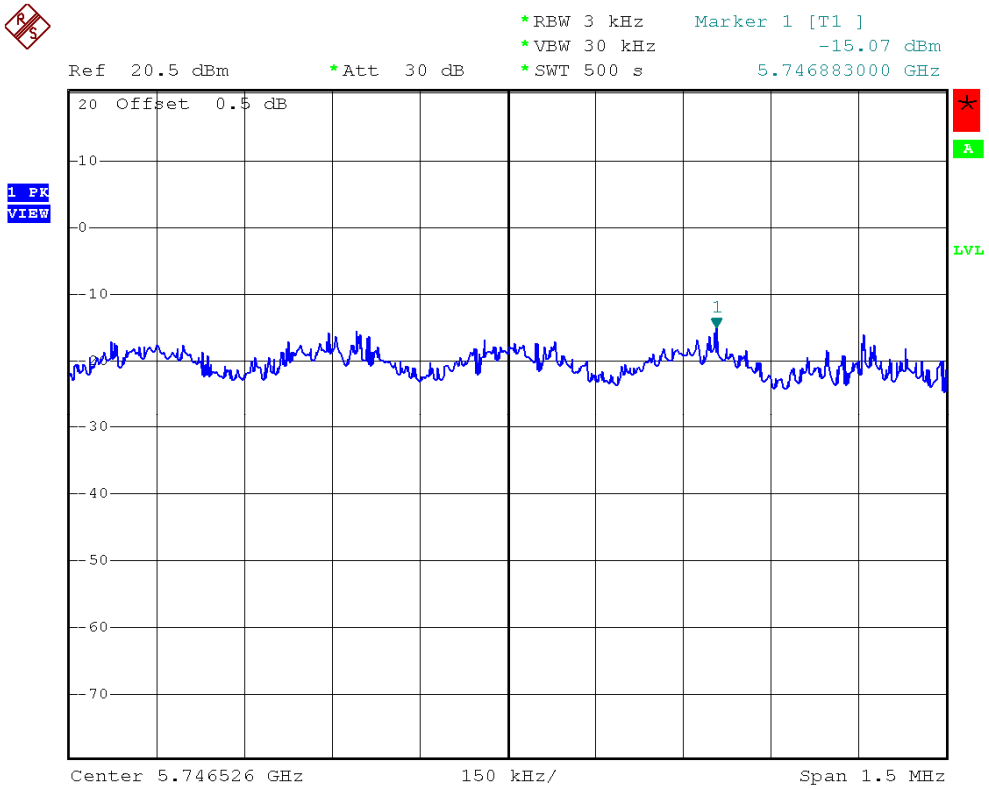
CH159


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-13.48 dBm
5.794970000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 5.795 GHz
150 kHz/
Span 1.5 MHz

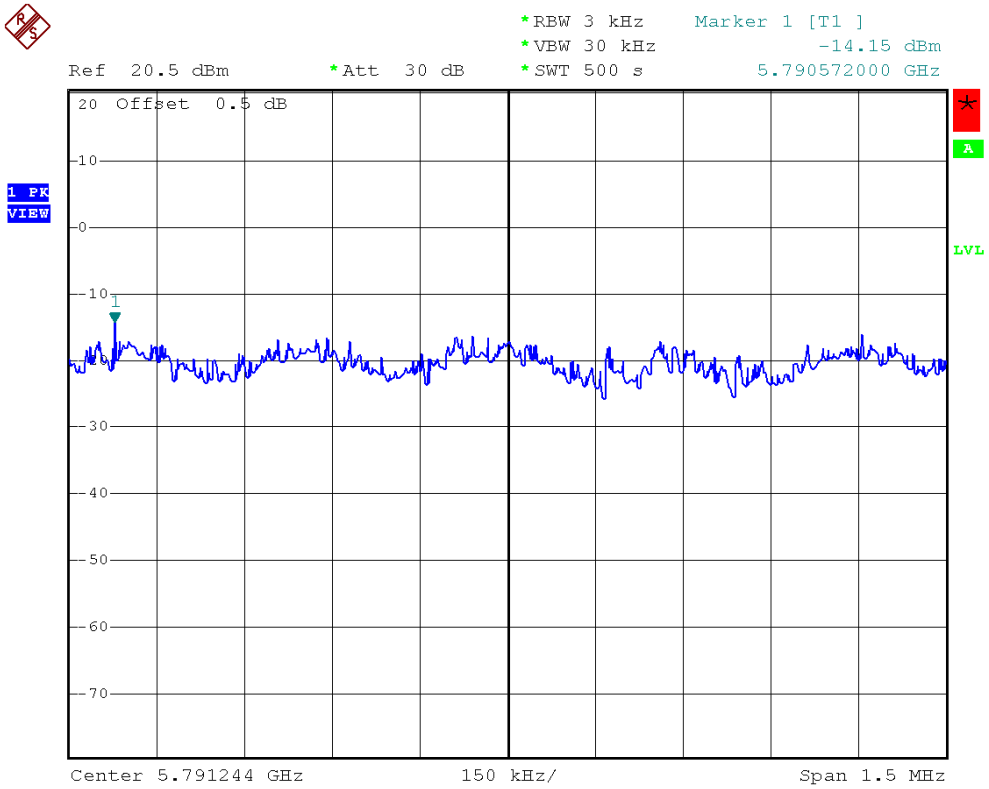
EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n/40M/ CH151, CH159 (Port. 1)		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH151	5755	-15.07	8
CH159	5795	-14.15	8

CH151


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-15.07 dBm
5.746883000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 5.746526 GHz
150 kHz/
Span 1.5 MHz

CH159


*RBW 3 kHz
*VBW 30 kHz
*SWT 500 s
Marker 1 [T1]
-14.15 dBm
5.790572000 GHz
Ref 20.5 dBm
*Att 30 dB
20 Offset 0.5 dB
1 PK VIEW
A
LVL
Center 5.791244 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. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

(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. 10, 2010
2	Power Meter Sensor	Anritsu	MA2491A	34138	Feb. 10, 2010

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

9.1.2 MPE CALCULATION METHOD

E (V/m) $= \frac{\sqrt{30 \times P \times G}}{d}$ Power Density: *Pd* (W/m²) $= \frac{E^2}{377}$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

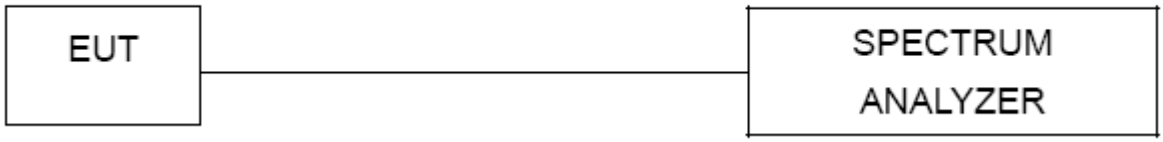
Pd $= \frac{30 \times P \times G}{377 \times d^2}$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

9.1.3 DEVIATION FROM STANDARD

No deviation.

9.1.4 TEST SETUP



9.1.5 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.

9.1.6 TEST RESULTS

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11b		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
2412	2.04	1.5996	19.7000	93.3254	0.029713	1
2437	2.04	1.5996	19.7000	93.3254	0.029713	1
2462	2.04	1.5996	20.1000	102.3293	0.032580	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11g		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
2412	2.04	1.5996	23.6000	229.0868	0.072937	1
2437	2.04	1.5996	25.6000	363.0781	0.115598	1
2462	2.04	1.5996	24.9700	314.0509	0.099989	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n HT20 Single TX Port. 0		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
2412	2.04	1.5996	23.6000	229.0868	0.072937	1
2437	2.04	1.5996	25.3000	338.8442	0.107882	1
2462	2.04	1.5996	23.8000	239.8833	0.076375	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n HT20 Single TX Port. 1		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
2412	1.83	1.5241	23.7000	234.4229	0.071113	1
2437	1.83	1.5241	25.7000	371.5352	0.112707	1
2462	1.83	1.5241	23.8000	239.8833	0.072770	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n HT20 Dual TX (Port. 0 + Port. 1)		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
2412	3.87	2.4378	26.6606	463.5096	0.224910	1
2437	3.87	2.4378	28.5149	710.3794	0.344700	1
2462	3.87	2.4378	26.8103	479.7666	0.232799	1

Remark：

(1) The MIMO test requirement, MPE shall measure by using the total sum power of each transmitter chain.

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n HT40 Single TX Port. 0		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
2422	2.04	1.5996	21.0000	125.8925	0.040082	1
2437	2.04	1.5996	24.9000	309.0295	0.098390	1
2452	2.04	1.5996	21.3000	134.8963	0.042949	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n HT40 Single TX Port. 1		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
2422	1.83	1.5241	22.4600	176.1976	0.053450	1
2437	1.83	1.5241	25.3000	338.8442	0.102790	1
2452	1.83	1.5241	21.4000	138.0384	0.041875	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n HT40 Dual TX (Port. 0 + Port. 1)		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
2422	3.87	2.4378	24.8014	302.0901	0.146584	1
2437	3.87	2.4378	28.1149	647.8737	0.314370	1
2452	3.87	2.4378	24.3606	272.9347	0.132437	1

Remark：

(1) The MIMO test requirement, MPE shall measure by using the total sum power of each transmitter chain.

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11a		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
5745	2.67	1.8493	22.2000	165.9587	0.061087	1
5785	2.67	1.8493	22.3000	169.8244	0.062510	1
5825	2.67	1.8493	22.1000	162.1810	0.059697	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n HT20(5.8G) Single TX Port. 0		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
5745	2.67	1.8493	21.9000	154.8817	0.057010	1
5785	2.67	1.8493	22.2000	165.9587	0.061087	1
5825	2.67	1.8493	21.9000	154.8817	0.057010	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n HT20(5.8G) Single TX Port. 1		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
5745	1.80	1.5136	22.4000	173.7801	0.052354	1
5785	1.80	1.5136	22.4000	173.7801	0.052354	1
5825	1.80	1.5136	22.6000	181.9701	0.054821	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n HT20(5.8G) Dual TX (Port. 0 + Port. 1)		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
5745	4.47	2.7990	25.1675	328.6617	0.183105	1
5785	4.47	2.7990	25.3115	339.7388	0.189276	1
5825	4.47	2.7990	25.2744	336.8517	0.187668	1

Remark：

(1) The MIMO test requirement, MPE shall measure by using the total sum power of each transmitter chain.

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n(5.8G) HT40 Single TX Port. 0		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
5755	2.67	1.8493	21.9000	154.8817	0.057010	1
5795	2.67	1.8493	21.9000	154.8817	0.057010	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n(5.8G) HT40 Single TX Port. 1		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
5755	1.80	1.5136	22.6000	181.9701	0.054821	1
5795	1.80	1.5136	22.3000	169.8244	0.51162	1

EUT：	Wireless 11n AP	Model Name ：	AN0100
Temperature：	13°C	Relative Humidity：	64 %
Test Voltage：	AC 120V/60Hz		
Test Mode ：	802.11n(5.8G) HT40 Dual TX (Port. 0 + Port. 1)		

Frequency (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)
5755	4.47	2.7990	25.2744	336.8517	0.187668	1
5795	4.47	2.7990	25.1149	324.7060	0.180901	1

Remark：

(1) The MIMO test requirement, MPE shall measure by using the total sum power of each transmitter chain.