



FCC RADIO TEST REPORT

Report Reference No.: POCE12041232RF

Compiled by (+ signature) Bill Jiang

Approved by (+ signature) Machael Mo

Applicant's name ALFA NETWORK Inc.

Address..... 4F-1 No.106, Rueiguang Rd., Neihu Distric, Taipei City 114

Manufacture's Name ALFA NETWORK Inc.

Address..... 4F-1 No.106, Rueiguang Rd., Neihu Distric, Taipei City 114

Test specification:

Standard FCC Part15.247, RSS-210 Issue 8

Test procedure ANSI C63.4-2003, RSS-Gen Issue 3

Test item description

Product name 802.11b/g/n AP/Router

FCC/IC ID UQ2121, 2279B-NOIRE010E

Trademark ALFA, NBSPS

Model and/or type reference : AP121U, AP121, EAP1124XS, Hornet, Hornet-UB, WISP-NSR, N2-SR, Solo-NSR, AWAP02O-NSR, WISP-NSRC, N2-SRC, Solo-NSRC, AWAP02O-NSRC Hornet-SHB, Tube2H, Tube2HSMA

Rating(s) DC 12V, 140mA, 1.68W

Testing Laboratory information:

Testing Laboratory Name Shenzhen POCE Technology Co., Ltd.

Address Room 501-502, Bldg. 1, Xinghua Garden, Bao'an Road, Xixiang, Bao'an District, Shenzhen, Guangdong, China

This device described above has been tested by Shenzhen POCE Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Testing

Date of receipt of test item Mar. 01, 2012

Date (s) of performance of tests Mar. 01, 2012 ~Mar. 17, 2012

Date of Issue Mar. 18, 2012

Test Result..... **Pass**

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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

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

1.1 TEST FACILITY

Shenzhen POCE Technology Co., Ltd.
 Add. : Room 501-502, Bldg. 1, Xinghua Garden, Bao'an Road, Xixiang, Bao'an District,
 Shenzhen, Guangdong, China
 FCC FRN Registration Nombre:222278

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission Test	$\pm 1.38\text{dB}$
2	Radiated Emission Test	$\pm 3.17\text{dB}$
3	RF power,conducted	$\pm 0.16\text{dB}$
4	Spurious emissions,conducted	$\pm 0.21\text{dB}$
5	All emissions,radiated(<1G)	$\pm 4.68\text{dB}$
6	All emissions,radiated(>1G)	$\pm 4.89\text{dB}$

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	802.11b/g/n AP/Router	
Model Name	AP121U, AP121, EAP1124XS, Hornet, Hornet-UB, WISP-NSR, N2-SR, Solo-NSR, AWAP02O-NSR, WISP-NSRC, N2-SRC, Solo-NSRC, AWAP02O-NSRC Hornet-SHB, Tube2H, Tube2HSMA	
OEM Brand/Model Name	N/A	
Model Difference	N/A	
Product Description	The EUT is a 802.11b/g/n AP/Router	
	Operation Frequency:	802.11b/g/n(20MHz): 2412~2462 MHz 802.11n(40MHz):2422~2452 MHz
	Modulation Type:	CCK/OFDM/DBPSK/DAPSK
	Bit Rate of Transmitter	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n(20MHz):54/144.44/130/117/115.56/104/86.67/78/52/6.5 Mbps 802.11n(40MHz):300/270/240/180/150/120/108/90/54 Mbps
	Number Of Channel	11 CH, Please see Note 2.
	Antenna Designation:	external Antenna
	Antenna Gain(Peak)	5dBi
	Output Power(EIRP):	802.11b: 19.87 dBm (Max.) 802.11g: 19.56 dBm (Max.) 802.11n(20M) : 20.68dBm (Max.) 802.11n (40M): 21.11 dBm (Max.)
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.		
Channel List	Please refer to the Note 2.	
Power Source	DC 12V, 140mA, 1.68W	
Connecting I/O Port(s)	Please refer to the User's Manual	
Products Covered	N/A	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.

Channel List for 802.11b/g/n(20MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

Channel List for 802.11b/g/n(40MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
03	2422	06	2437	09	2452		
04	2427	07	2442				
05	2432	08	2447				

2.2 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 Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n(20) CH1/ CH6/ CH11
Mode 4	802.11n(40) CH3/ CH6/ CH9

For Conducted Emission	
Final Test Mode	Description
Mode 5	NORMAL LINK

For Radiated Emission	
Final Test Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n(20) CH1/ CH6/ CH11
Mode 4	802.11n(40) CH3/ CH6/ CH9

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported

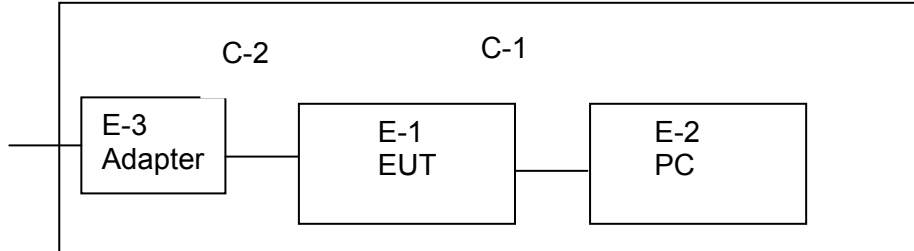
2.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

Test software Version	Test program: N/A		
802.11b	2412 MHz	2437 MHz	2462 MHz
802.11g	2412 MHz	2437 MHz	2462 MHz
802.11n(20MHz)	2412 MHz	2437 MHz	2462 MHz
802.11n(40MHz)	2422 MHz	2437 MHz	2452 MHz

2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated:



2.5 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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.	Series No.	Note
E-1	802.11b/g/n AP/Router	N/A	AP121	N/A	EUT
E-2	Notebook computer	IBM	2366	N/A	N/A
E-3	Adapter	N/A	PAS12AA-W01201000		

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	100cm	net cable
C-2	NO	YES	120cm	DC 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.

2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	Agilent	E4407B	160400005	Jul. 06, 2012
2	Test Receiver	R&S	ESPI	101318	Jul. 06, 2012
3	Bilog Antenna	TESEQ	CBL6111D	31216	Jul. 06, 2012
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	Jul. 06, 2012
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	Jul. 06, 2012
6	Horn Antenna	EM	EM-AH-10180	2011071402	Jul. 06, 2012
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	Jul. 06, 2012
8	Amplifier	EM	EM-30180	060538	Jul. 06, 2012
9	Loop Antenna	ARA	PLA-1030/B	1029	Jul. 06, 2012
10	Power Meter	R&S	NRVS	100696	Jul. 06, 2012

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Test Receiver	R&S	ESCI	101160	Jul. 06, 2012
2	LISN	R&S	ENV216	101313	Jul. 06, 2012
3	LISN	EMCO	3816/2	00042990	Jul. 06, 2012
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	Jul. 06, 2012
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	Jul. 06, 2012
6	Absorbing clamp	R&S	MOS-21	100423	Jul. 06, 2012

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

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

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

0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

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.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

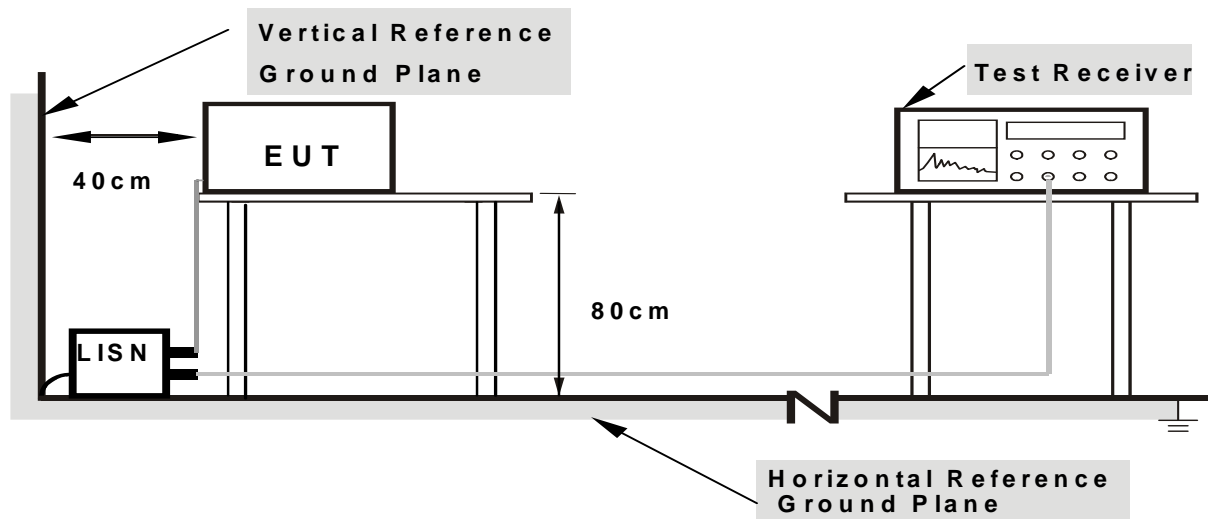
3.1.2 TEST PROCEDURE

- The EUT was placed 0.4 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.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 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.

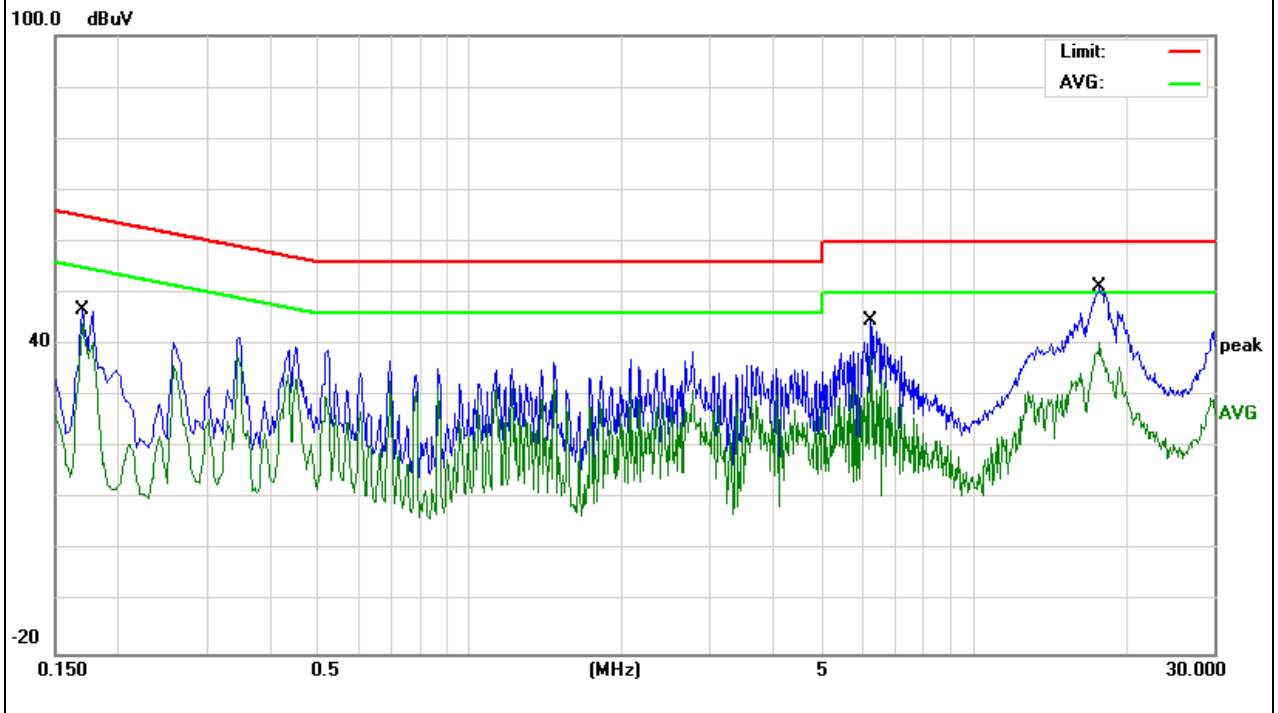
3.1.6 TEST RESULTS

EUT :	802.11b/g/n AP/Router	Model Name. :	AP121
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2012-04-05
Test Mode :	Normal Link	Phase :	L
Test Voltage :	DC 12V		

Freq. (MHz)	Reading (dBuV)	Factor (dBuV)	Measurement (dBuV)	Limit (dBuV)	Over (dB)	Detector
0.17	36.32	10.45	46.77	64.96	-18.19	QP
0.17	33.71	10.45	44.16	54.96	-10.8	AVG
6.226	34.06	10.66	44.72	60	-15.28	QP
6.226	27.4	10.66	38.06	50	-11.94	AVG
17.814	40.68	10.72	51.4	60	-8.6	QP
17.814	29.65	10.72	40.37	50	-9.63	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

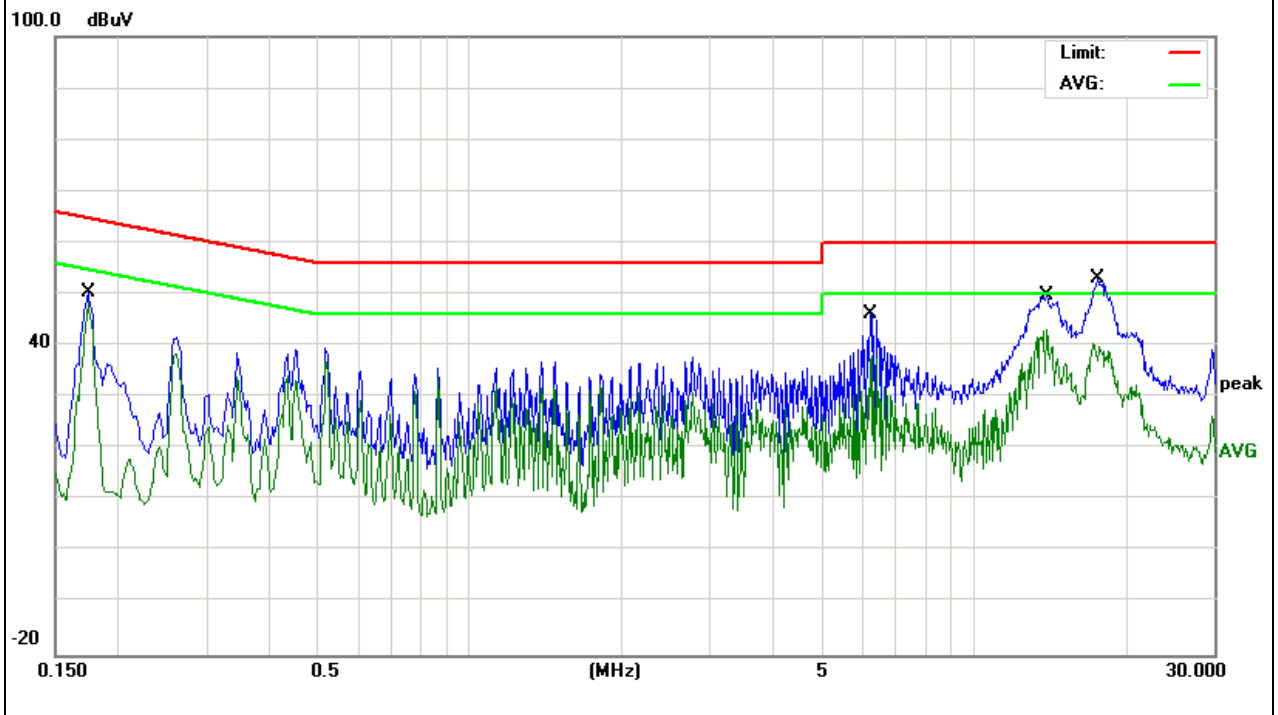


EUT :	802.11b/g/n AP/Router	Model Name. :	AP121
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2012-04-05
Test Mode :	Normal Link	Phase :	N
Test Voltage :	DC 12V		

Freq. (MHz)	Reading (dBuV)	Factor (dBuV)	Measurement (dBuV)	Limit (dBuV)	Over (dB)	Detector
0.1737	40.02	10.36	50.38	64.78	-14.4	QP
0.1737	38.19	10.36	48.55	54.78	-6.23	AVG
6.2259	35.52	10.68	46.2	60	-13.8	QP
6.3098	27.46	10.67	38.13	50	-11.87	AVG
13.9177	32.37	10.72	43.09	50	-6.91	AVG
17.6377	42.34	10.75	53.09	60	-6.91	QP

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 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 on 15.205(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 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2.2 TEST PROCEDURE

- a. The measuring distance of at 3 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 3 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.

Note:

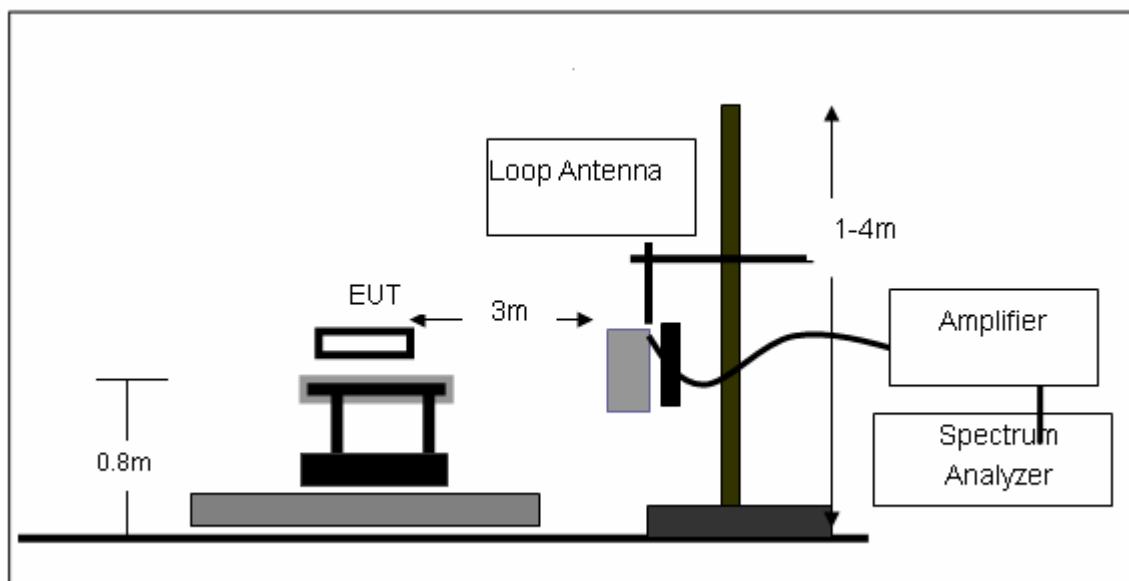
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

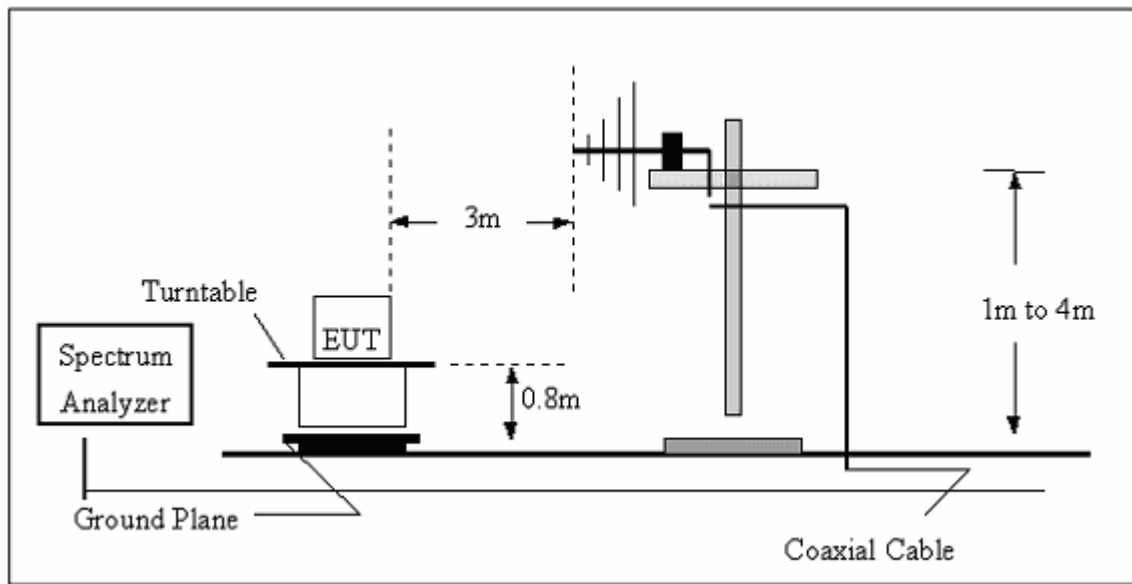
No deviation

3.2.4 TEST SETUP

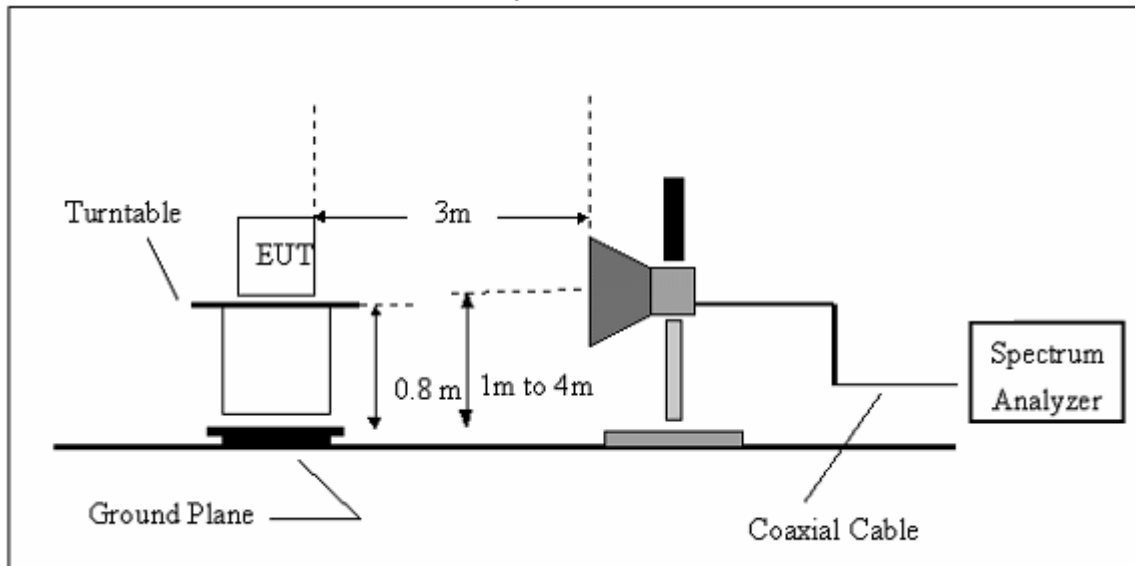
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.6 TEST RESULTS (BETWEEN 9KHZ – 30 MHZ)

EUT :	802.11b/g/n AP/Router	Model Name. :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	TX	Polarization :	--

Freq. (MHz)	Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	State P/F
--	--	--	--	PASS
--	--	--	--	PASS

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = 20 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.

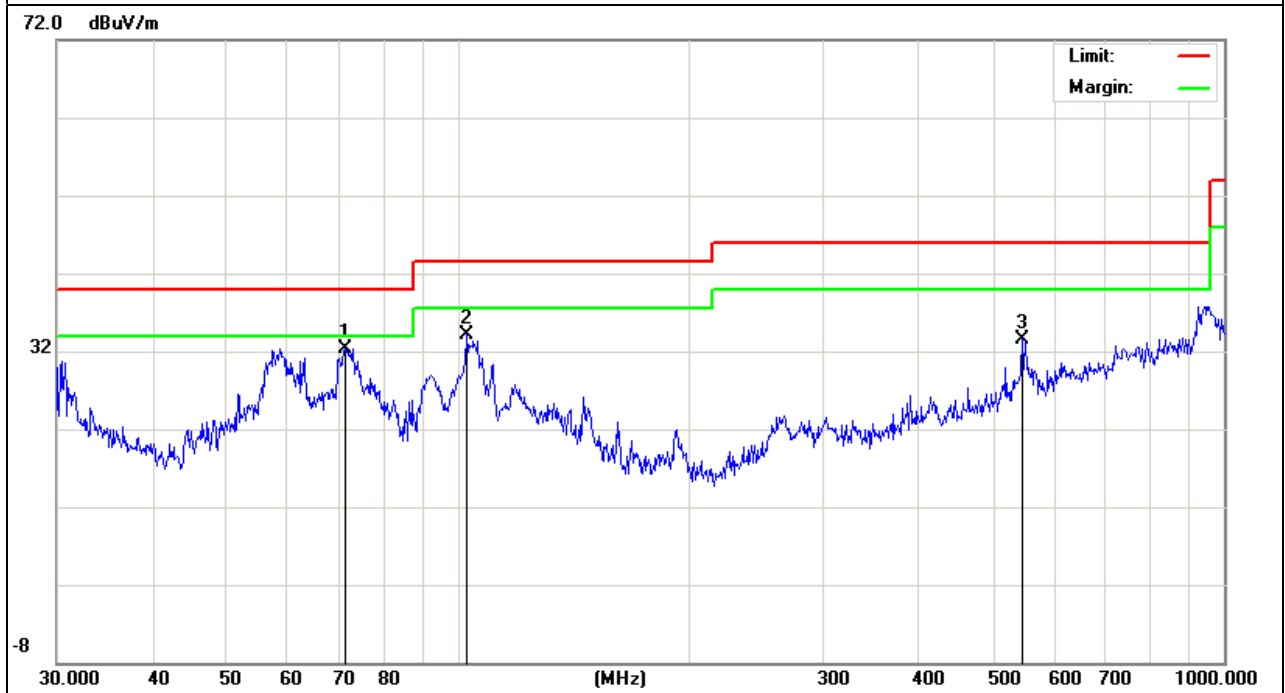
3.2.7 TEST RESULTS (BETWEEN 30MHZ – 1GHZ)

EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	TX	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
71.3298	26.21	6.19	32.4	40	-7.6	QP
102.7192	23.4	10.8	34.2	43.5	-9.3	QP
545.1825	10.13	23.47	33.6	46	-12.4	QP

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

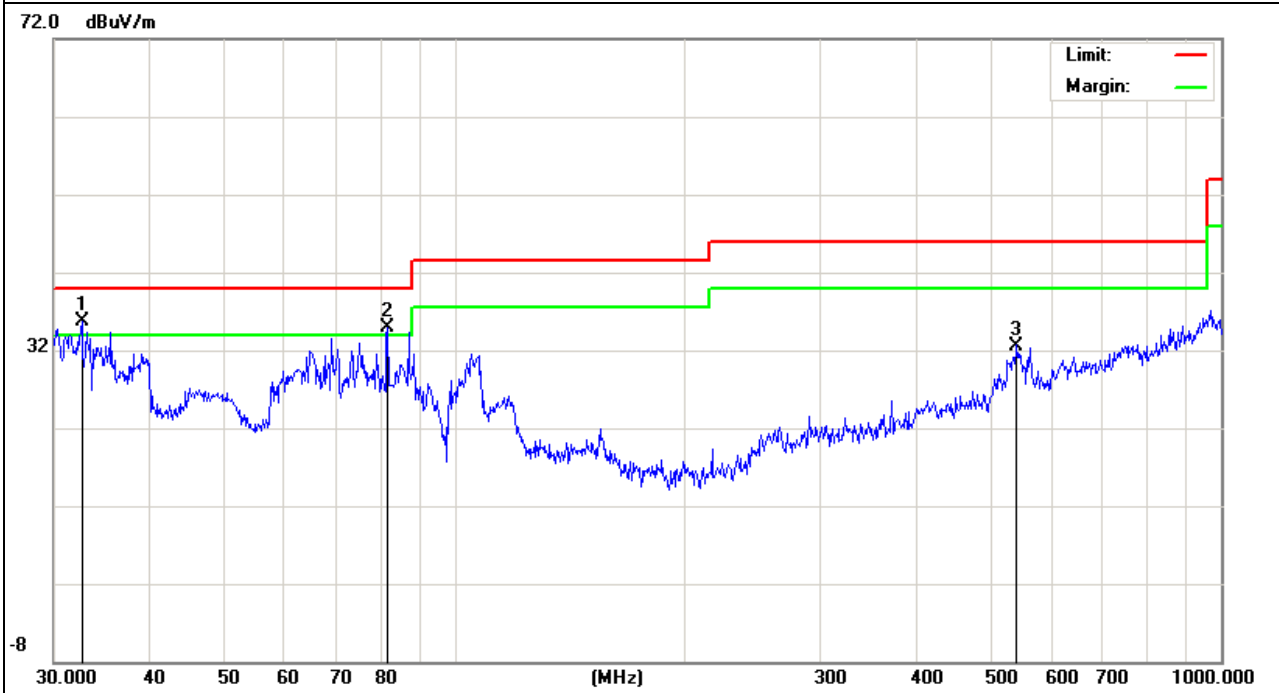


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	TX	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
32.634	18.71	16.99	35.7	40	-4.3	QP
81.7831	26.95	8.05	35	40	-5	QP
541.3721	9.14	23.46	32.6	46	-13.4	QP

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

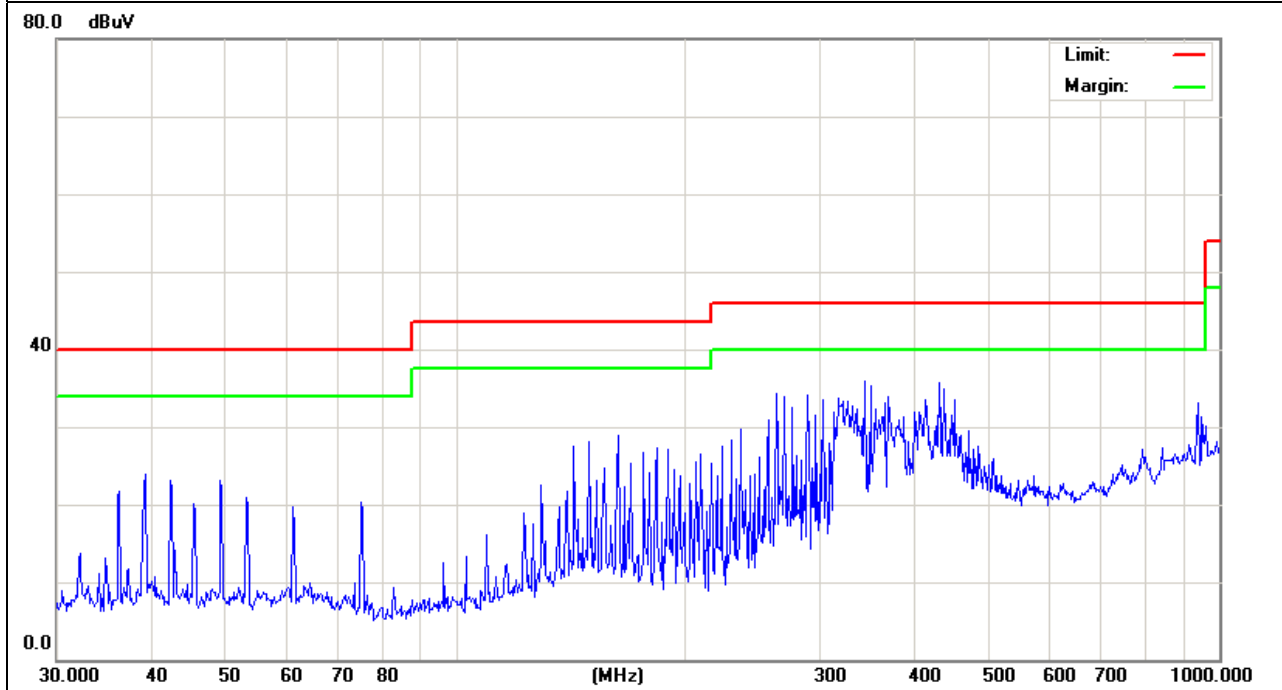


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	RX	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
49.1865	36.65	-13.45	23.20	40.00	-16.80	Quasi-Peak
149.4857	39.03	-11.00	28.03	43.50	-15.47	Quasi-Peak
169.5988	36.69	-11.34	25.35	43.50	-18.15	Quasi-Peak
235.8163	42.19	-12.52	29.67	46.00	-16.33	Quasi-Peak
262.8955	45.78	-11.55	34.23	46.00	-11.77	Quasi-Peak
343.1800	45.01	-9.08	35.93	46.00	-10.07	Quasi-Peak

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

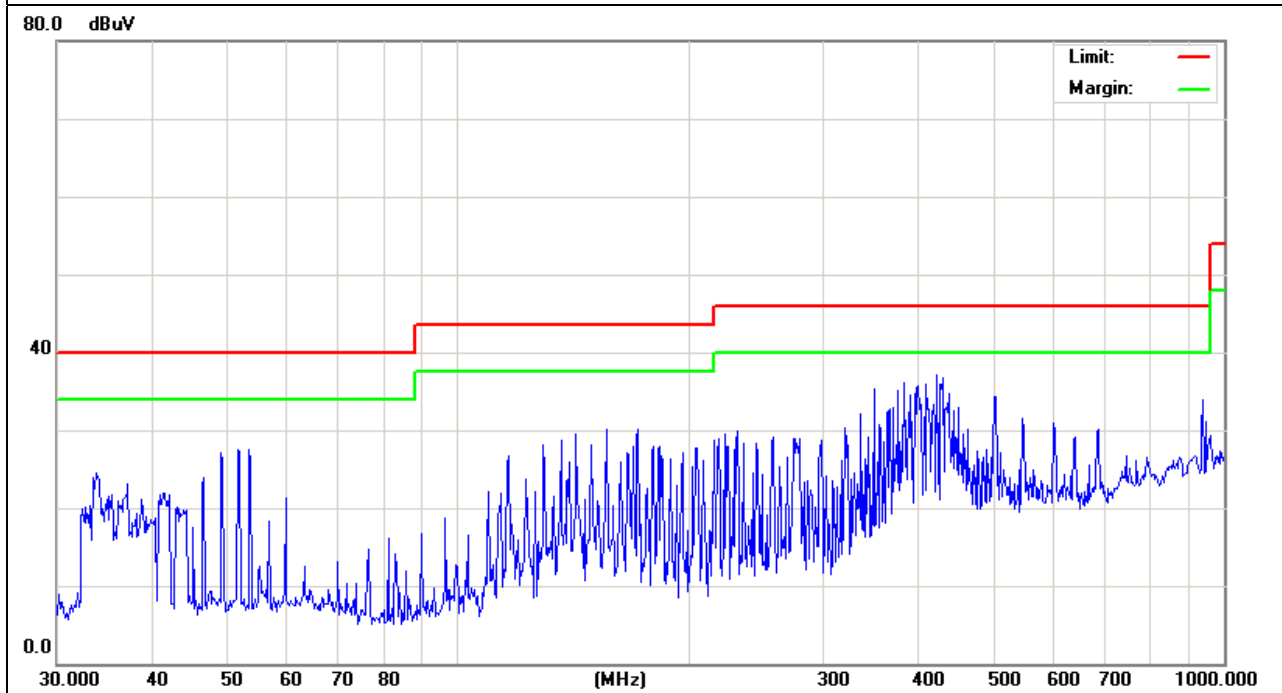


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	RX	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
49.1865	40.55	-13.45	27.10	40.00	-12.90	Quasi-Peak
149.4857	39.04	-11.00	28.04	43.50	-15.46	Quasi-Peak
231.7178	42.56	-12.76	29.80	46.00	-16.20	Quasi-Peak
349.2500	44.26	-8.93	35.33	46.00	-10.67	Quasi-Peak
382.5878	43.97	-7.90	36.07	46.00	-9.93	Quasi-Peak
501.1788	39.45	-5.05	34.40	46.00	-11.60	Quasi-Peak

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.



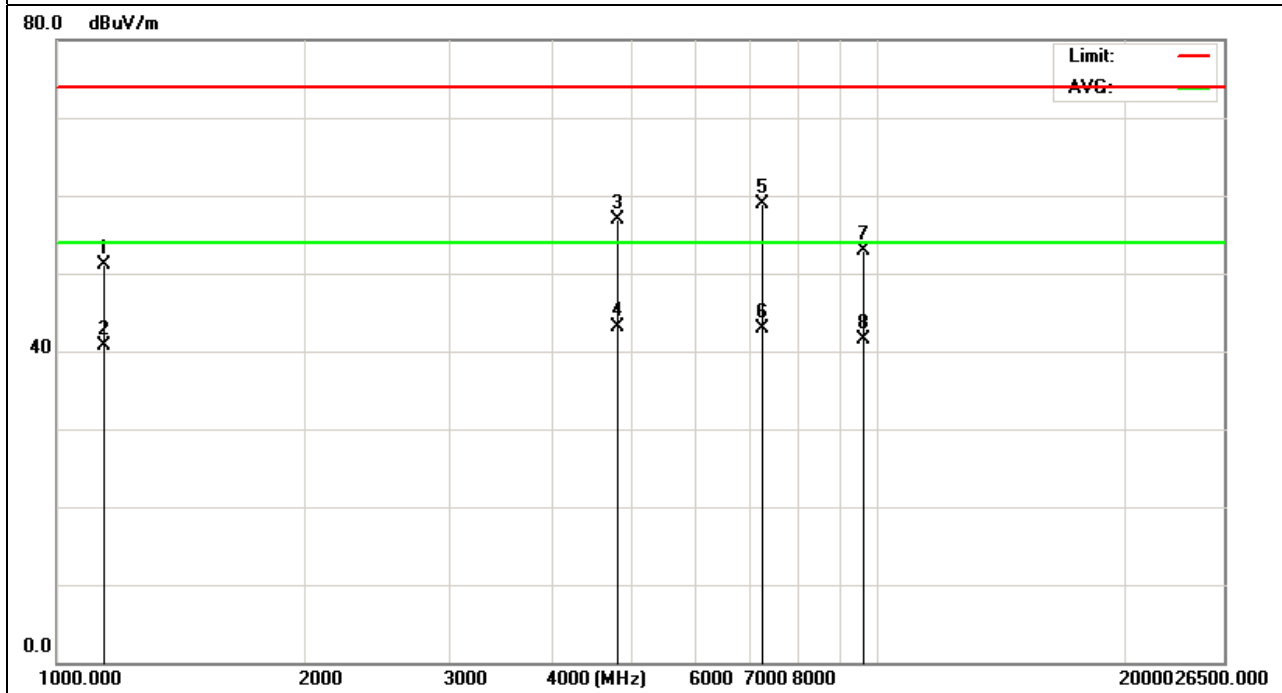
3.2.8 TEST RESULTS (ABOVE 1000 MHZ)

EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH1 (802.11b Mode)/2412	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1143.2	55.85	-4.69	51.16	74	-22.84	peak
1143.2	45.33	-4.69	40.64	54	-13.36	AVG
4810.62	46.52	10.41	56.93	74	-17.07	peak
4810.62	32.74	10.41	43.15	54	-10.85	AVG
7215.94	46.52	12.39	58.91	74	-15.09	peak
7215.94	30.48	12.39	42.87	54	-11.13	AVG
9623.14	36.88	16.06	52.94	74	-21.06	peak
9623.14	25.45	16.06	41.51	54	-12.49	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

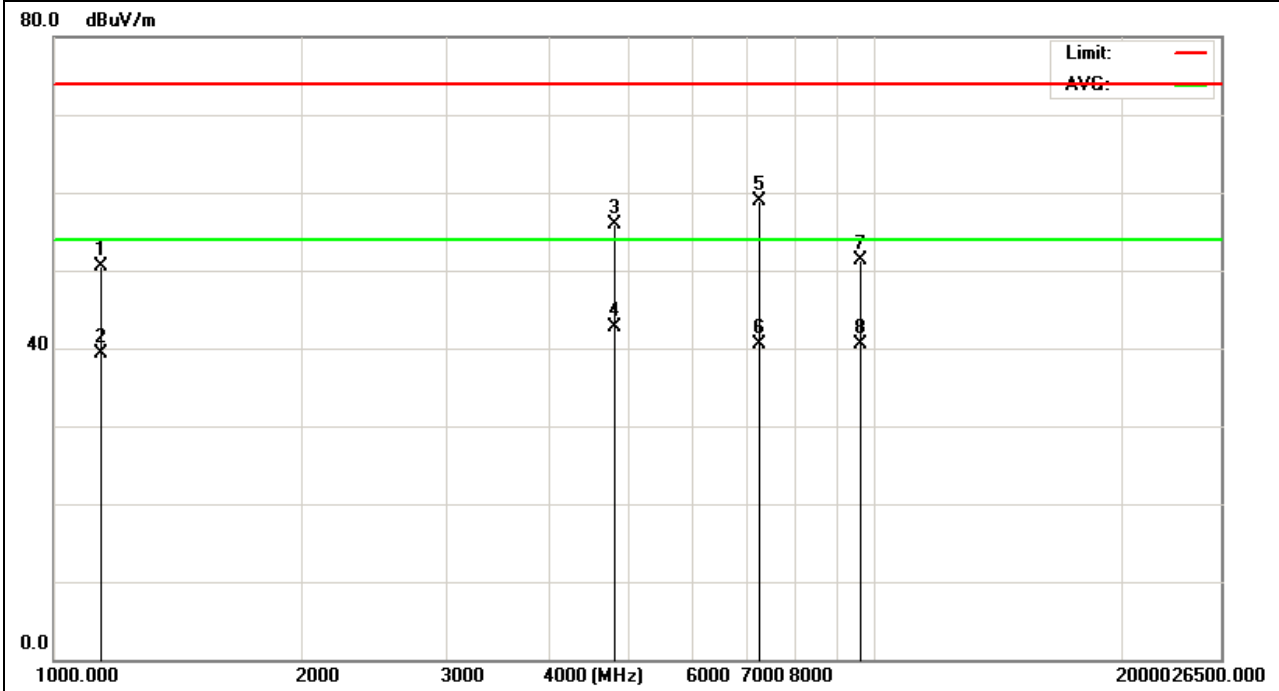


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH1 (802.11b Mode)/2412	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1143.2	55.1	-4.69	50.41	74	-23.59	peak
1143.2	44.03	-4.69	39.34	54	-14.66	AVG
4810.62	45.53	10.41	55.94	74	-18.06	peak
4810.62	32.23	10.41	42.64	54	-11.36	AVG
7215.94	46.52	12.39	58.91	74	-15.09	peak
7215.94	28.09	12.39	40.48	54	-13.52	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

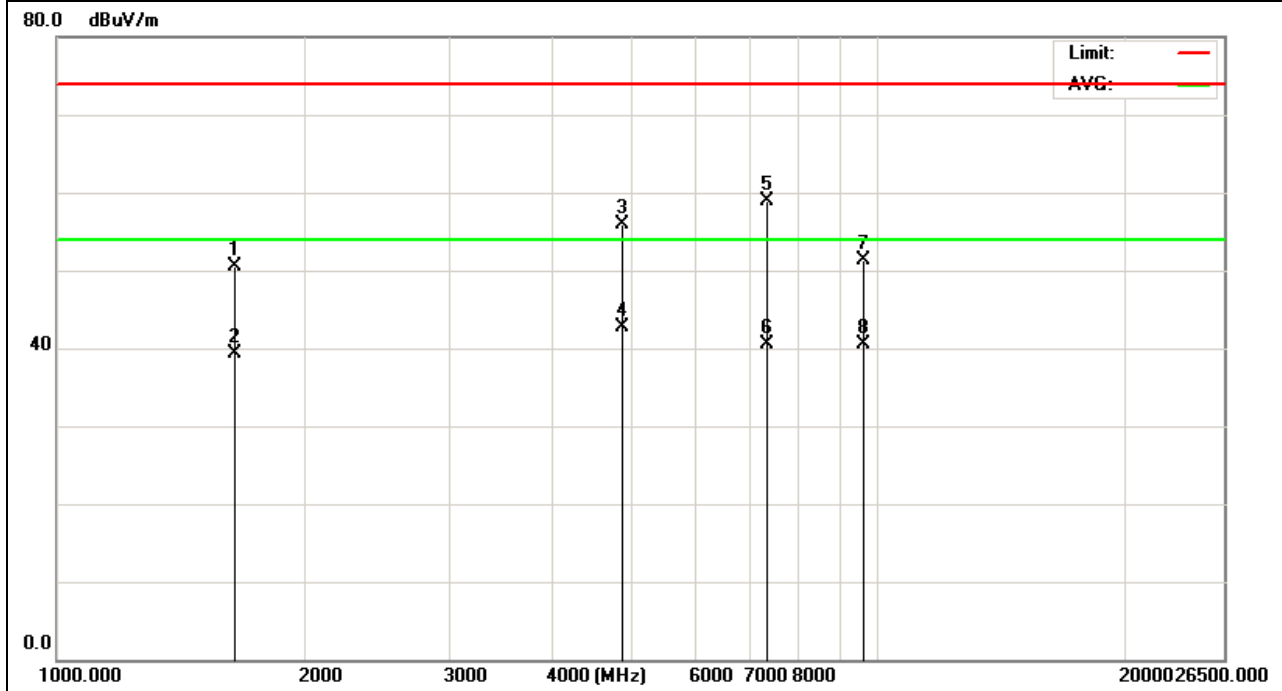


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH6 (802.11b Mode)/2437	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1645.32	53.46	-3.05	50.41	74	-23.59	peak
1645.32	42.39	-3.05	39.34	54	-14.66	AVG
4882.16	45.58	10.36	55.94	74	-18.06	peak
4882.16	32.28	10.36	42.64	54	-11.36	AVG
7323.45	46.14	12.77	58.91	74	-15.09	peak
7323.45	27.71	12.77	40.48	54	-13.52	AVG

Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- No emission detected above 18GHz

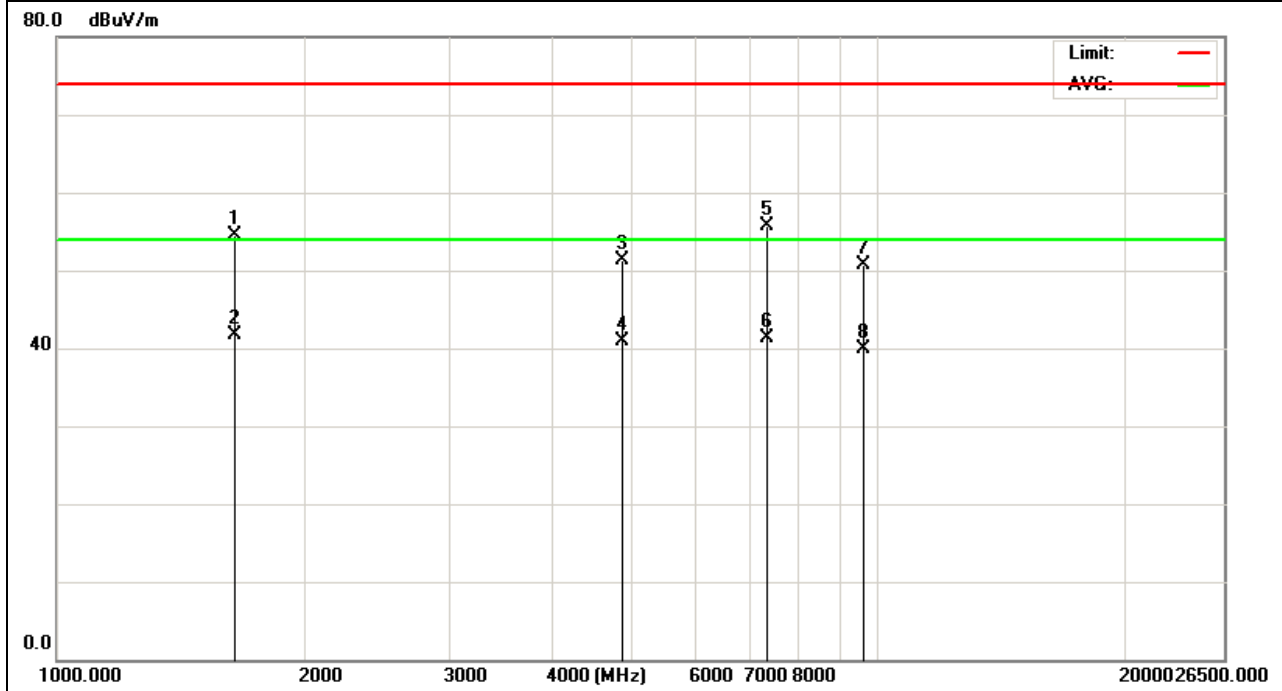


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH6 (802.11b Mode)/2437	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector Type
1645.32	57.61	-3.05	54.56	74	-19.44	peak
1645.32	44.83	-3.05	41.78	54	-12.22	AVG
4882.16	40.88	10.36	51.24	74	-22.76	peak
4882.16	30.61	10.36	40.97	54	-13.03	AVG
7323.45	42.97	12.77	55.74	74	-18.26	peak
7323.45	28.51	12.77	41.28	54	-12.72	AVG
9623.14	34.58	16.06	50.64	74	-23.36	peak
9623.14	23.81	16.06	39.87	54	-14.13	AVG

Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- No emission detected above 18GHz

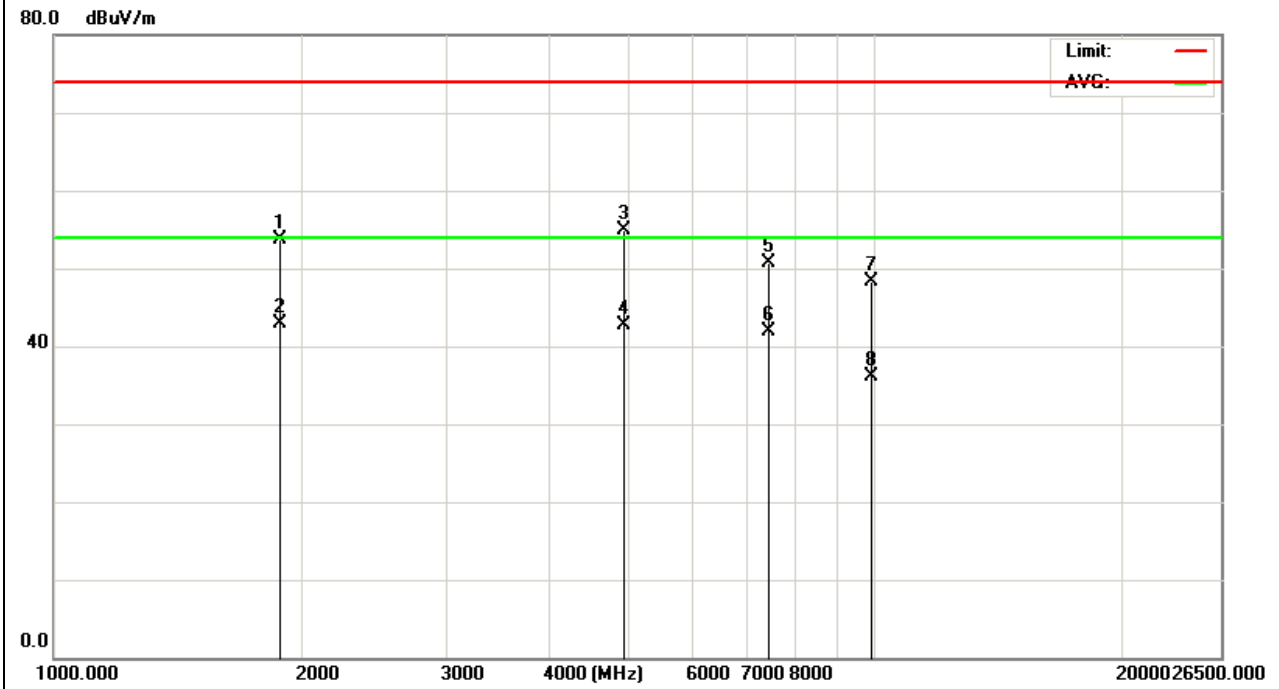


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH11 (802.11b Mode)/2462	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1884.32	55.55	-1.89	53.66	74	-20.34	peak
1884.32	44.86	-1.89	42.97	54	-11.03	AVG
4954.81	44.48	10.49	54.97	74	-19.03	peak
4954.81	32.26	10.49	42.75	54	-11.25	AVG
7431.66	37.63	13.03	50.66	74	-23.34	peak
7431.66	28.88	13.03	41.91	54	-12.09	AVG
9911.54	32.08	16.2	48.28	74	-25.72	peak
9911.54	19.91	16.2	36.11	54	-17.89	AVG

Remark:

- 3. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- 4. No emission detected above 18GHz

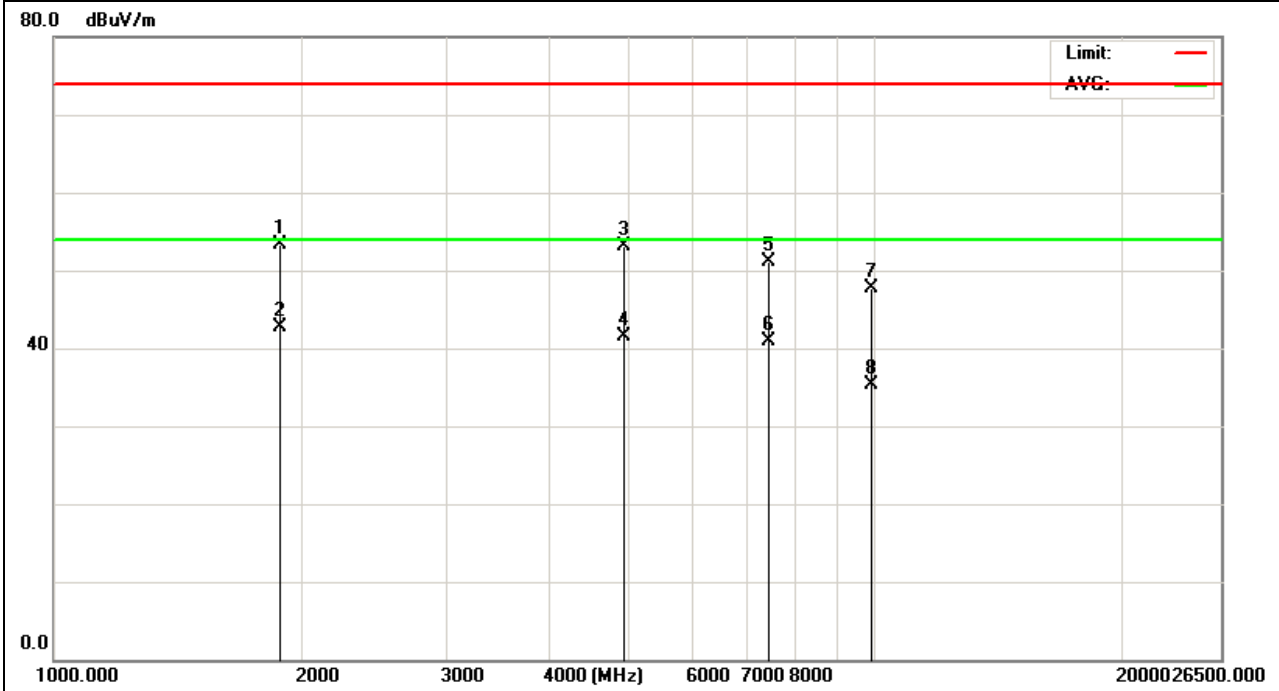


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH11 (802.11b Mode)/2462	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1884.32	55.17	-1.89	53.28	74	-20.72	peak
1884.32	44.5	-1.89	42.61	54	-11.39	AVG
4954.81	42.67	10.49	53.16	74	-20.84	peak
4954.81	30.92	10.49	41.41	54	-12.59	AVG
7431.66	37.99	13.03	51.02	74	-22.98	peak
7431.66	27.94	13.03	40.97	54	-13.03	AVG
9911.54	31.44	16.2	47.64	74	-26.36	peak
9911.54	19.14	16.2	35.34	54	-18.66	AVG

Remark:

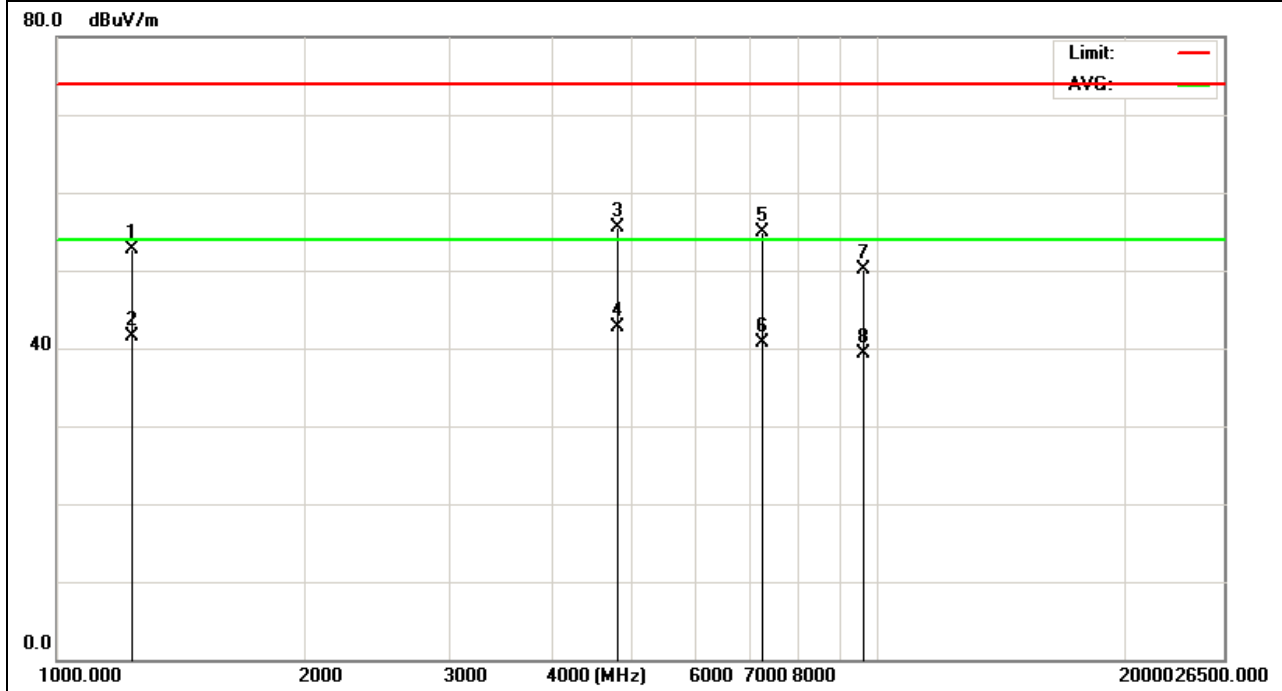
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH1 (802.11g Mode)/2412	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1231.15	56.52	-3.88	52.64	74	-21.36	peak
1231.15	45.37	-3.88	41.49	54	-12.51	AVG
4810.62	45.13	10.41	55.54	74	-18.46	peak
4810.62	32.23	10.41	42.64	54	-11.36	AVG
7215.94	42.59	12.39	54.98	74	-19.02	peak
7215.94	28.28	12.39	40.67	54	-13.33	AVG
9623.14	34.05	16.06	50.11	74	-23.89	peak
9623.14	23.29	16.06	39.35	54	-14.65	AVG

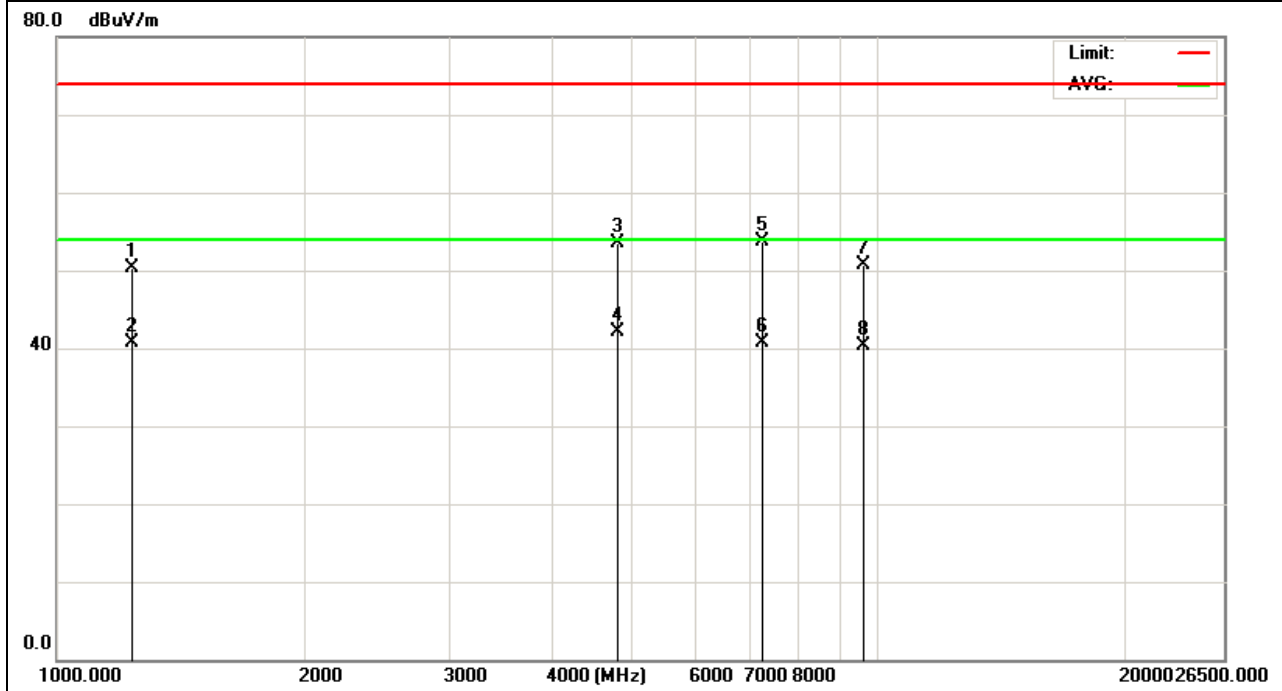
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH1 (802.11g Mode)/2412	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1231.64	54.23	-3.88	50.35	74	-23.65	peak
1231.64	44.54	-3.88	40.66	54	-13.34	AVG
4810.62	43.12	10.41	53.53	74	-20.47	peak
4810.62	31.7	10.41	42.11	54	-11.89	AVG
7215.94	41.27	12.39	53.66	74	-20.34	peak
7215.94	28.29	12.39	40.68	54	-13.32	AVG
9623.14	34.72	16.06	50.78	74	-23.22	peak
9623.14	24.17	16.06	40.23	54	-13.77	AVG

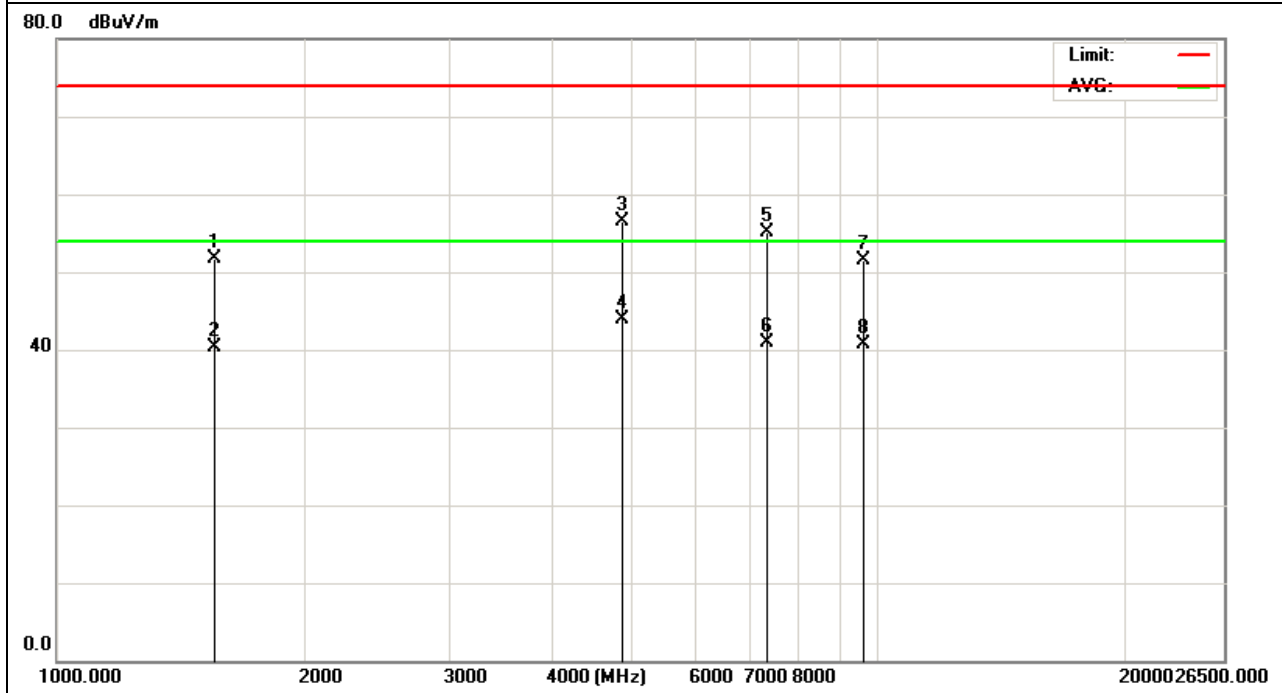
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH6 (802.11g Mode)/2437	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1556.24	55.32	-3.68	51.64	74	-22.36	peak
1556.24	44.01	-3.68	40.33	54	-13.67	AVG
4882.16	46.2	10.36	56.56	74	-17.44	peak
4882.16	33.45	10.36	43.81	54	-10.19	AVG
7323.45	42.4	12.77	55.17	74	-18.83	peak
7323.45	28.2	12.77	40.97	54	-13.03	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

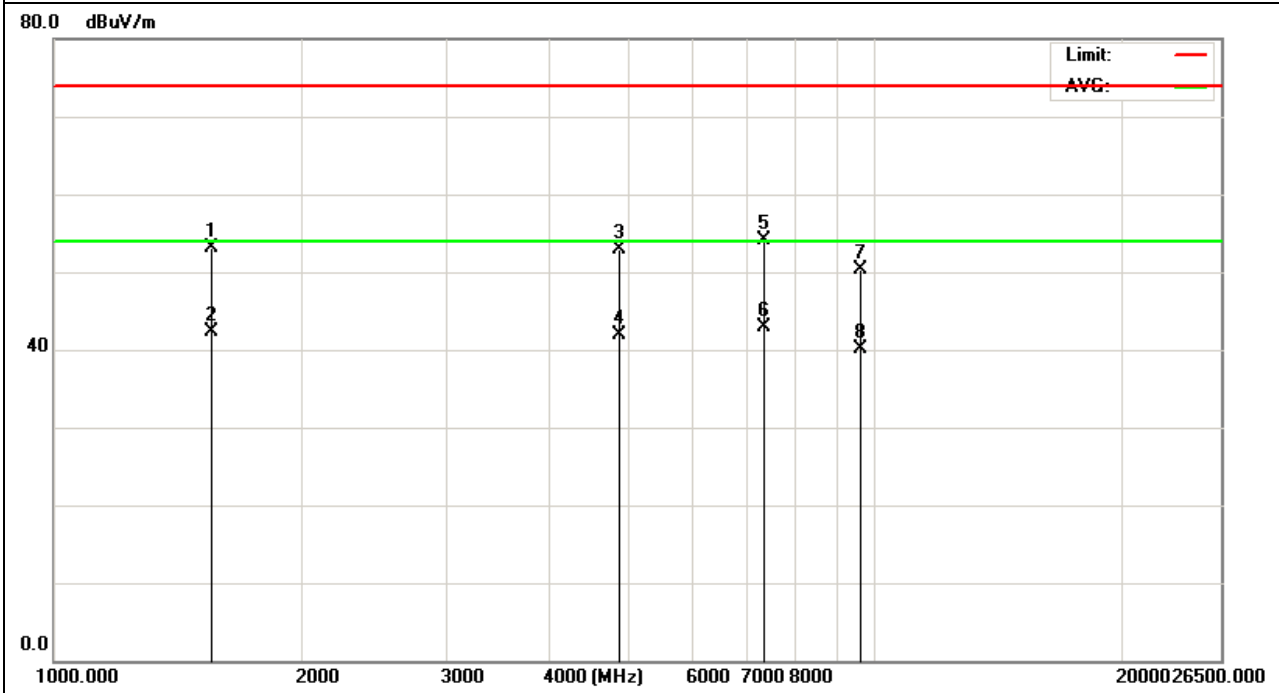


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH6 (802.11g Mode)/2437	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1556.24	56.87	-3.68	53.19	74	-20.81	peak
1556.24	46.02	-3.68	42.34	54	-11.66	AVG
4882.16	42.61	10.36	52.97	74	-21.03	peak
4882.16	31.48	10.36	41.84	54	-12.16	AVG
7323.45	41.42	12.77	54.19	74	-19.81	peak
7323.45	30.07	12.77	42.84	54	-11.16	AVG

Remark:

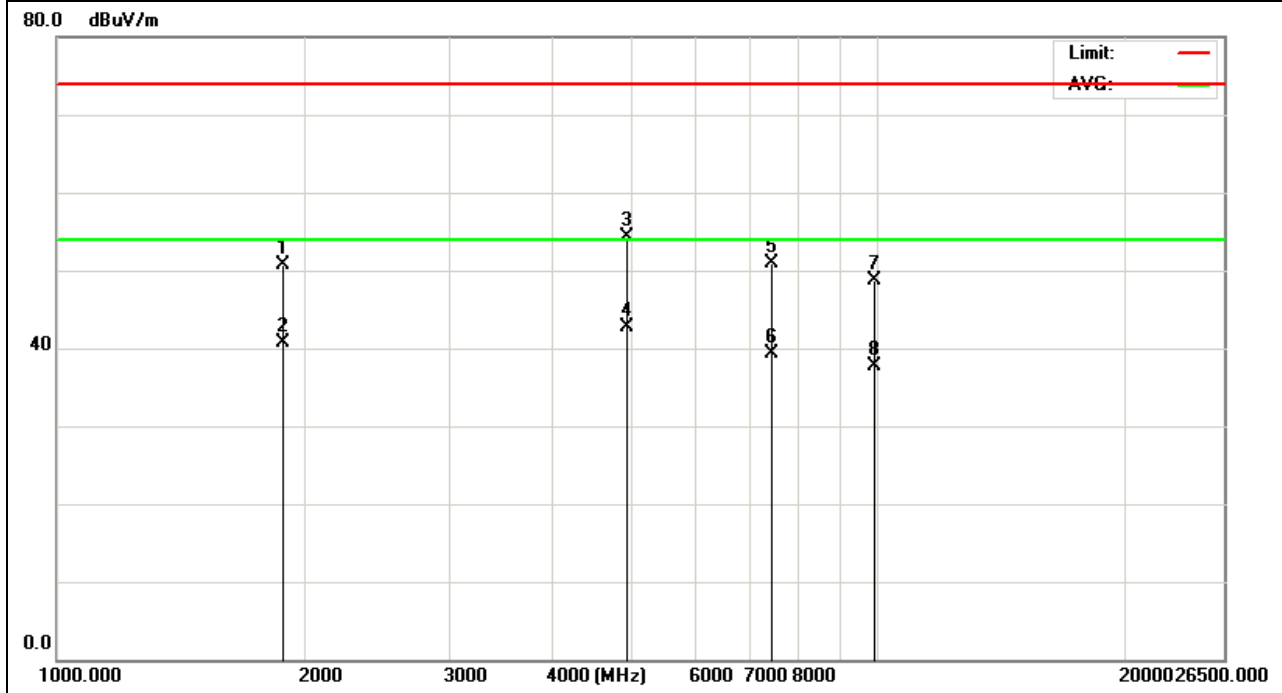
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH11 (802.11g Mode)/2462	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1884.32	52.55	-1.89	50.66	74	-23.34	peak
1884.32	42.68	-1.89	40.79	54	-13.21	AVG
4954.81	43.82	10.49	54.31	74	-19.69	peak
4954.81	32.3	10.49	42.79	54	-11.21	AVG
7431.66	37.96	13.03	50.99	74	-23.01	peak
7431.66	26.33	13.03	39.36	54	-14.64	AVG
9911.54	32.49	16.2	48.69	74	-25.31	peak
9911.54	21.44	16.2	37.64	54	-16.36	AVG

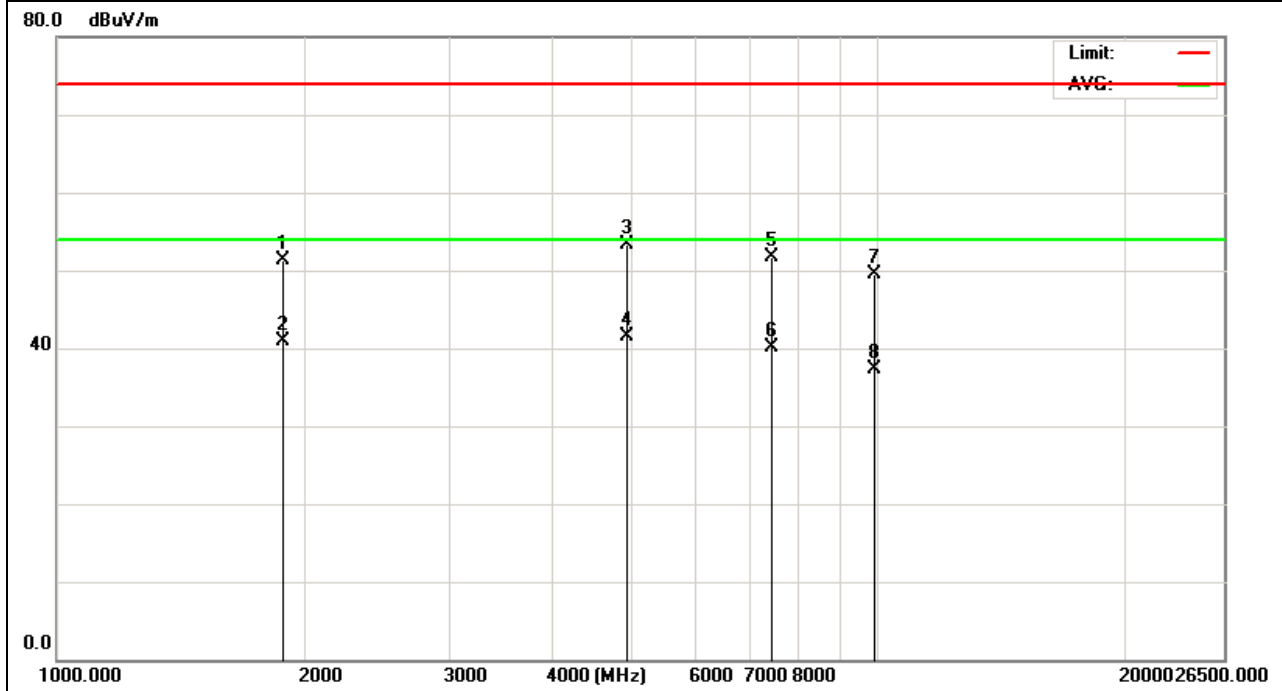
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH11(802.11g Mode)/2462	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1884.32	53.15	-1.89	51.26	74	-22.74	peak
1884.32	42.77	-1.89	40.88	54	-13.12	AVG
4954.81	42.8	10.49	53.29	74	-20.71	peak
4954.81	31.1	10.49	41.59	54	-12.41	AVG
7431.66	38.63	13.03	51.66	74	-22.34	peak
7431.66	27.15	13.03	40.18	54	-13.82	AVG
9911.54	33.27	16.2	49.47	74	-24.53	peak
9911.54	21.09	16.2	37.29	54	-16.71	AVG

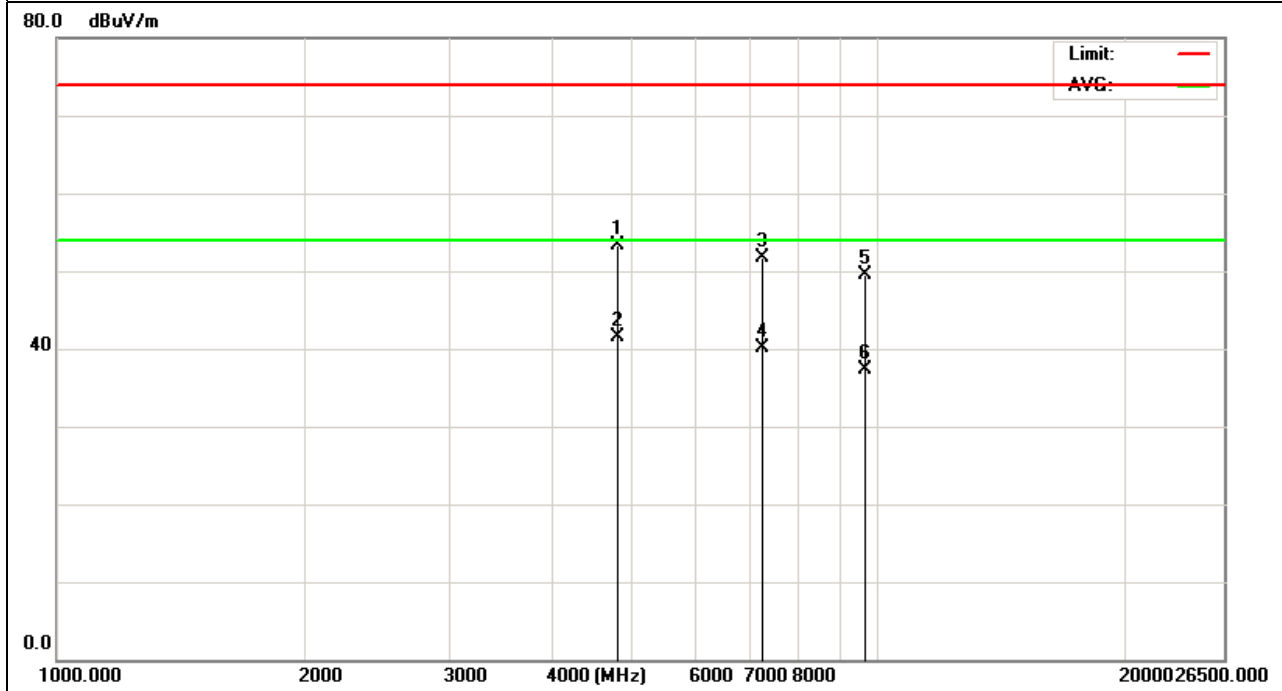
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH1(802.11n Mode)/20MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.14	42.85	10.44	53.29	74	-20.71	peak
4824.14	31.15	10.44	41.59	54	-12.41	AVG
7239.35	39.27	12.39	51.66	74	-22.34	peak
7239.35	27.79	12.39	40.18	54	-13.82	AVG
9648.23	33.8	15.67	49.47	74	-24.53	peak
9648.23	21.62	15.67	37.29	54	-16.71	AVG

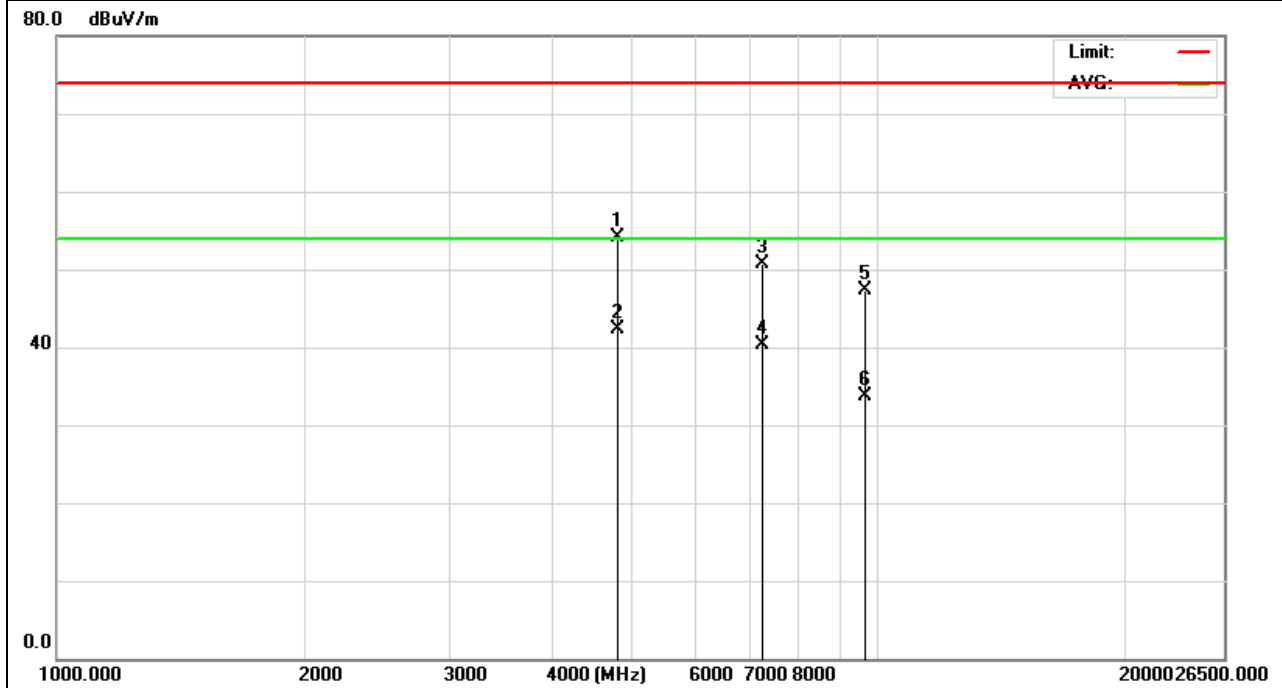
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH1(802.11n Mode)/20MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824.14	43.68	10.44	54.12	74	-19.88	peak
4824.14	31.91	10.44	42.35	54	-11.65	AVG
7239.35	38.35	12.39	50.74	74	-23.26	peak
7239.35	27.94	12.39	40.33	54	-13.67	AVG
9648.23	31.58	15.67	47.25	74	-26.75	peak
9648.23	18.11	15.67	33.78	54	-20.22	AVG

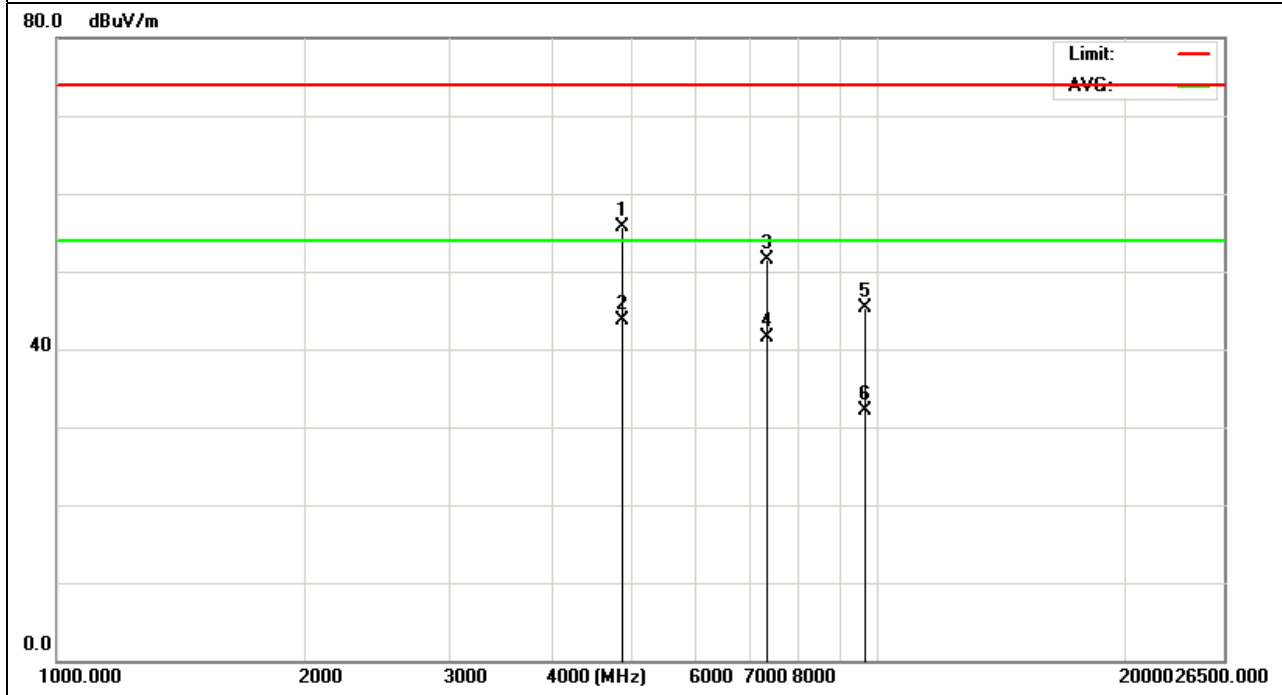
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH6(802.11n Mode)/20MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.33	45.24	10.4	55.64	74	-18.36	peak
4874.33	33.27	10.4	43.67	54	-10.33	AVG
7311.84	38.79	12.75	51.54	74	-22.46	peak
7311.84	28.73	12.75	41.48	54	-12.52	AVG
9648.23	29.66	15.67	45.33	74	-28.67	peak
9648.23	16.45	15.67	32.12	54	-21.88	AVG

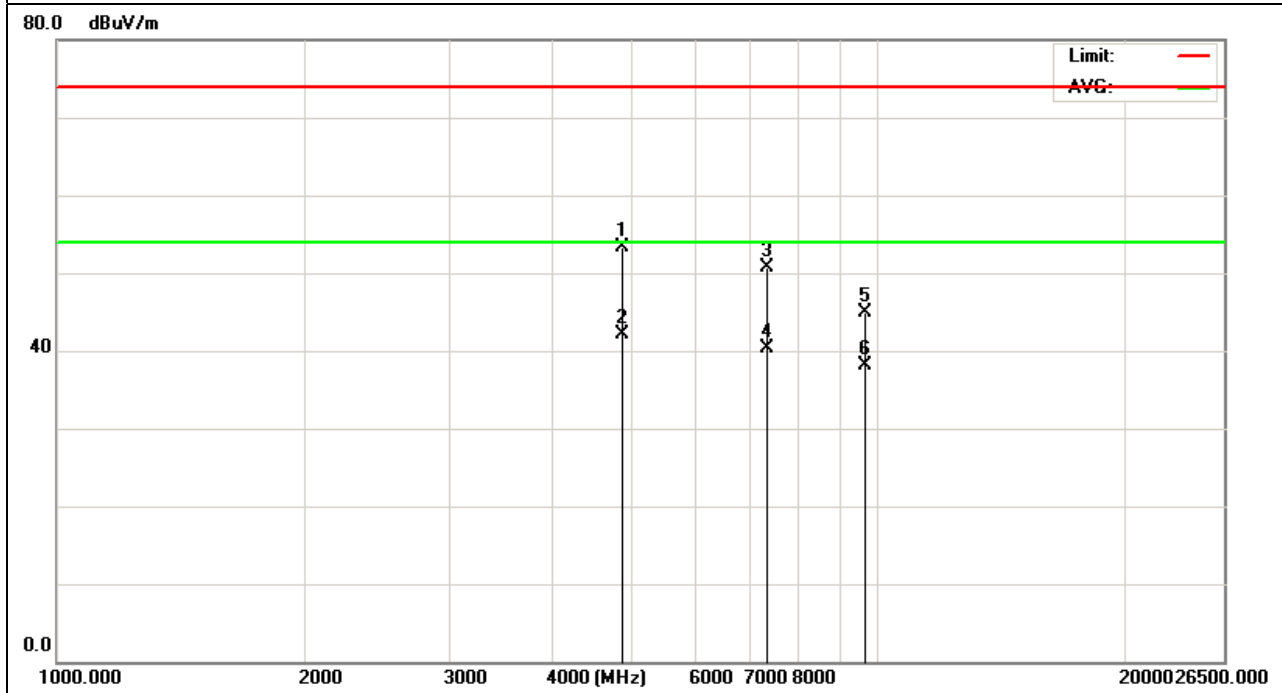
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH6(802.11n Mode)/20MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.33	42.86	10.4	53.26	74	-20.74	peak
4874.33	31.79	10.4	42.19	54	-11.81	AVG
7311.84	37.94	12.75	50.69	74	-23.31	peak
7311.84	27.56	12.75	40.31	54	-13.69	AVG
9648.23	29.3	15.67	44.97	74	-29.03	peak
9648.23	22.52	15.67	38.19	54	-15.81	AVG

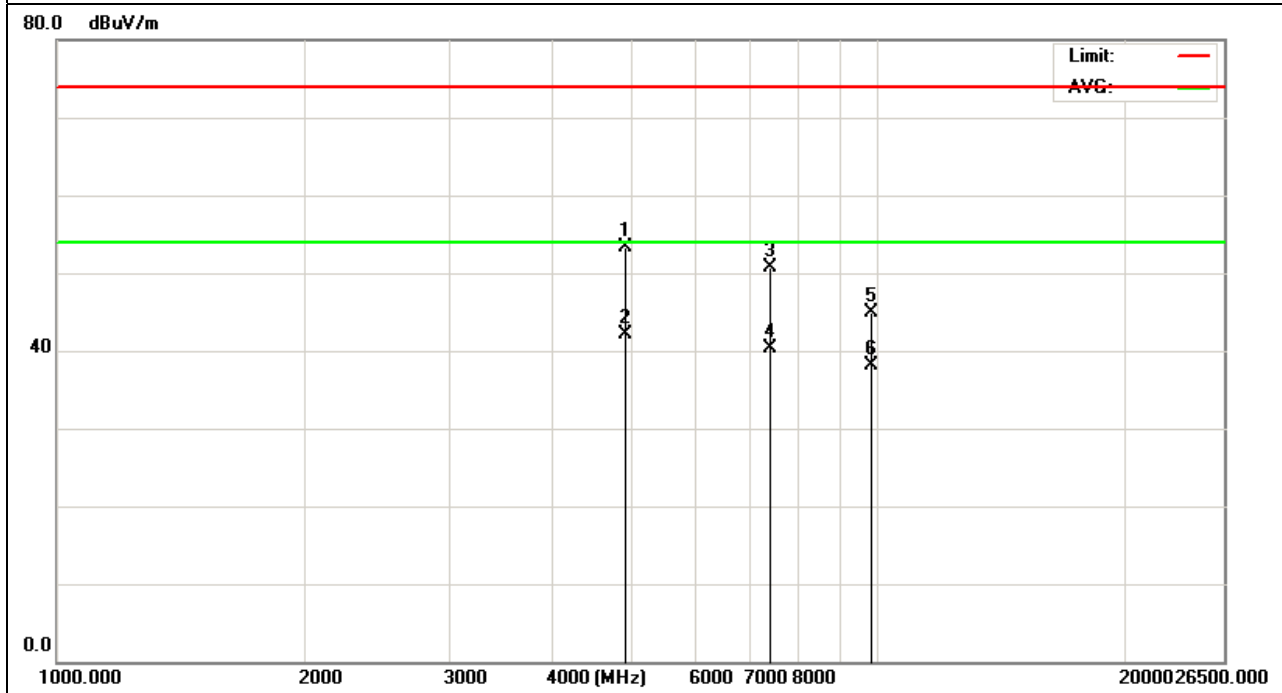
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH11(802.11n Mode)/20MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.11	42.87	10.39	53.26	74	-20.74	peak
4924.11	31.8	10.39	42.19	54	-11.81	AVG
7386.19	38.01	12.68	50.69	74	-23.31	peak
7386.19	27.63	12.68	40.31	54	-13.69	AVG
9848.95	29.04	15.93	44.97	74	-29.03	peak
9848.95	22.26	15.93	38.19	54	-15.81	AVG

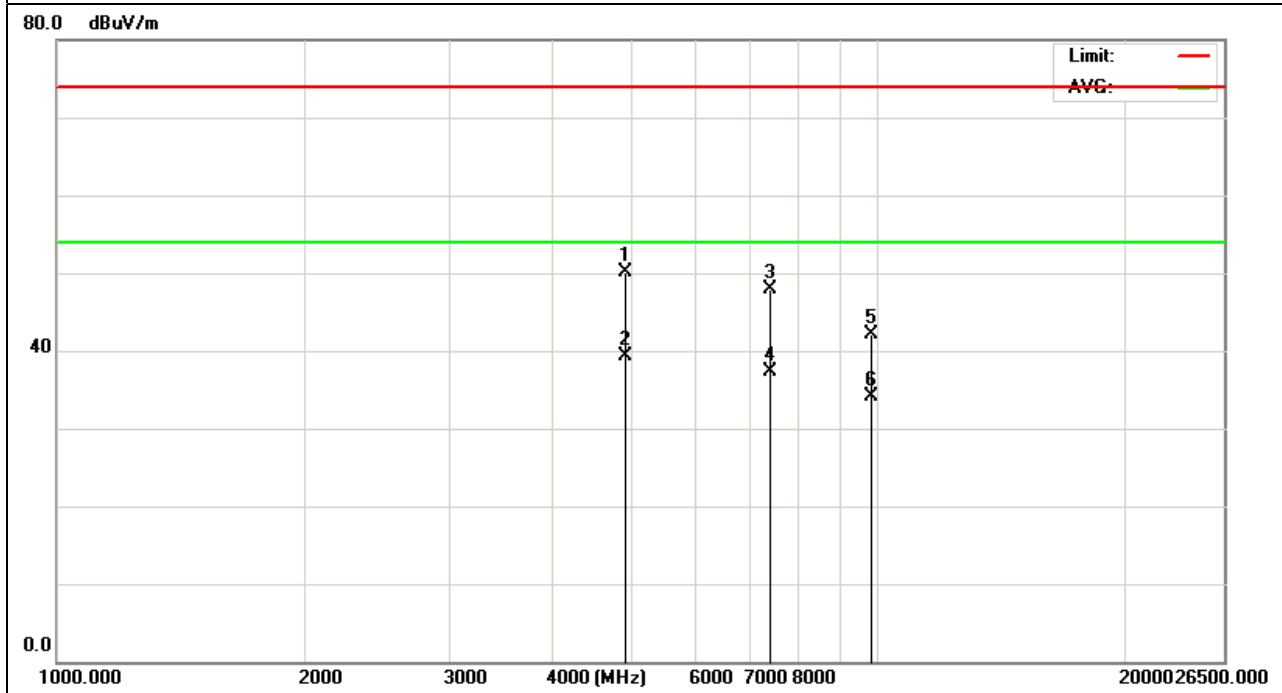
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH11(802.11n Mode)/20MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924.11	39.62	10.39	50.01	74	-23.99	peak
4924.11	28.99	10.39	39.38	54	-14.62	AVG
7386.19	35.26	12.68	47.94	74	-26.06	peak
7386.19	24.7	12.68	37.38	54	-16.62	AVG
9848.95	26.23	15.93	42.16	74	-31.84	peak
9848.95	18.23	15.93	34.16	54	-19.84	AVG

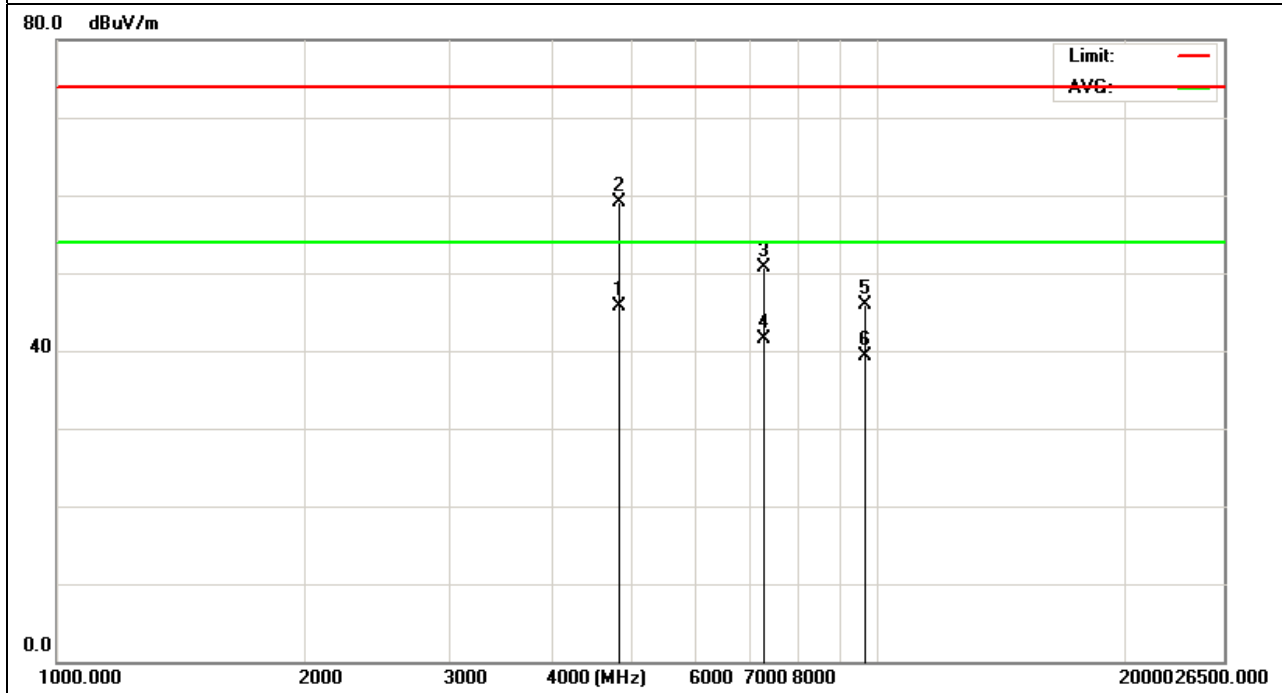
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH3(802.11n Mode)/40MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844.45	35.15	10.5	45.65	54	-8.35	AVG
4844.54	48.69	10.5	59.19	74	-14.81	peak
7266.95	38.17	12.5	50.67	74	-23.33	peak
7266.95	28.92	12.5	41.42	54	-12.58	AVG
9688.26	29.98	15.99	45.97	74	-28.03	peak
9688.26	23.39	15.99	39.38	54	-14.62	AVG

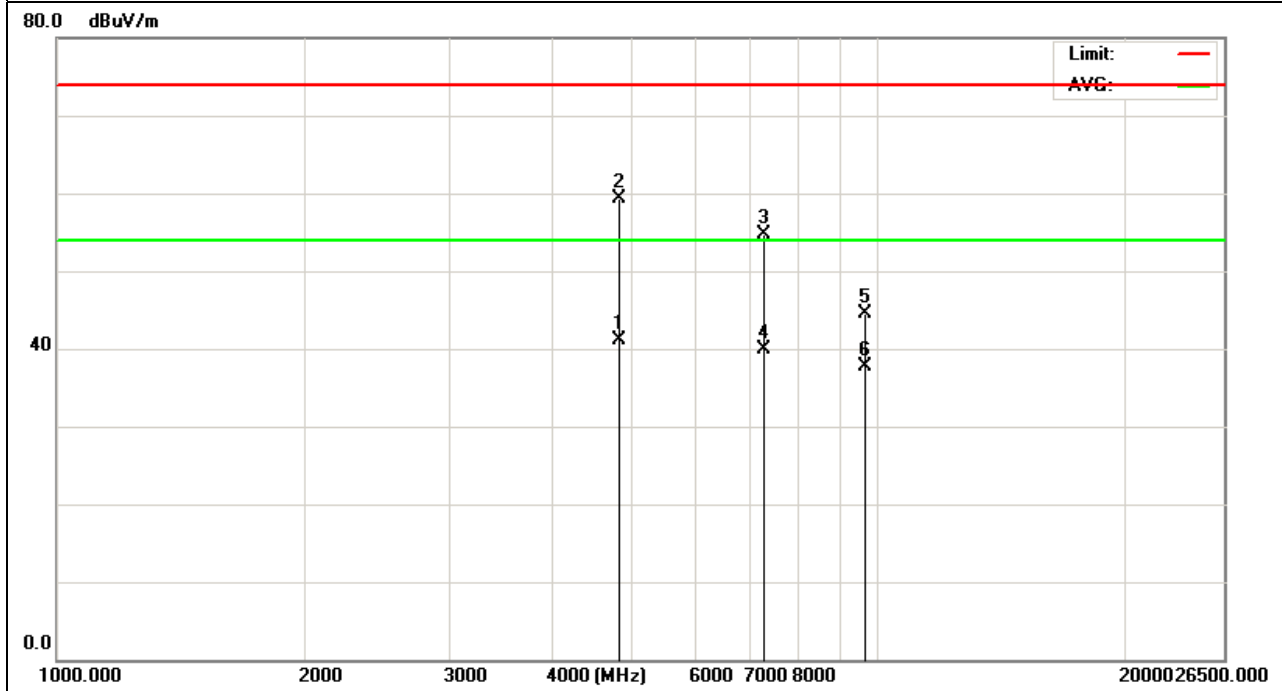
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH3(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4844.45	30.66	10.5	41.16	54	-12.84	AVG
4844.54	48.76	10.5	59.26	74	-14.74	peak
7266.95	42.17	12.5	54.67	74	-19.33	peak
7266.95	27.44	12.5	39.94	54	-14.06	AVG
9688.26	28.49	15.99	44.48	74	-29.52	peak
9688.26	21.7	15.99	37.69	54	-16.31	AVG

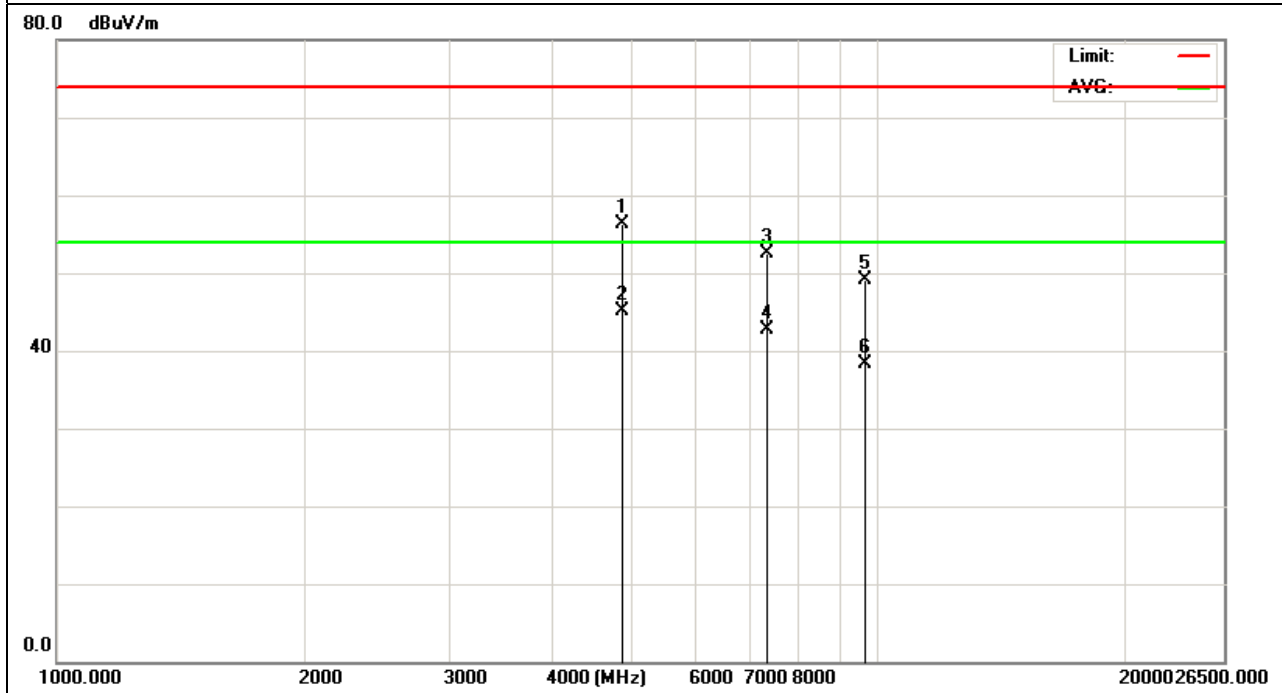
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH6(802.11n Mode)/40MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.33	45.86	10.4	56.26	74	-17.74	peak
4874.33	34.79	10.4	45.19	54	-8.81	AVG
7311.84	39.79	12.75	52.54	74	-21.46	peak
7311.84	29.92	12.75	42.67	54	-11.33	AVG
9648.23	33.51	15.67	49.18	74	-24.82	peak
9648.23	22.62	15.67	38.29	54	-15.71	AVG

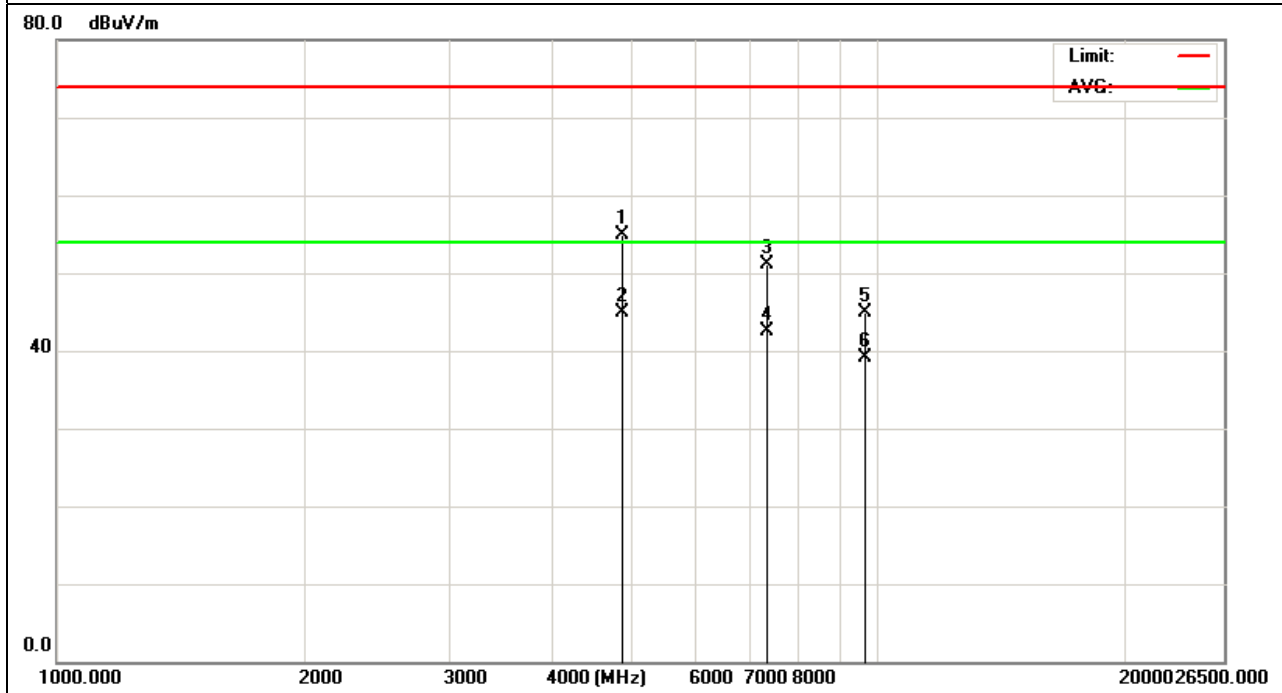
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH6(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874.33	44.57	10.4	54.97	74	-19.03	peak
4874.33	34.57	10.4	44.97	54	-9.03	AVG
7311.84	38.44	12.75	51.19	74	-22.81	peak
7311.84	29.72	12.75	42.47	54	-11.53	AVG
9648.23	29.3	15.67	44.97	74	-29.03	peak
9648.23	23.51	15.67	39.18	54	-14.82	AVG

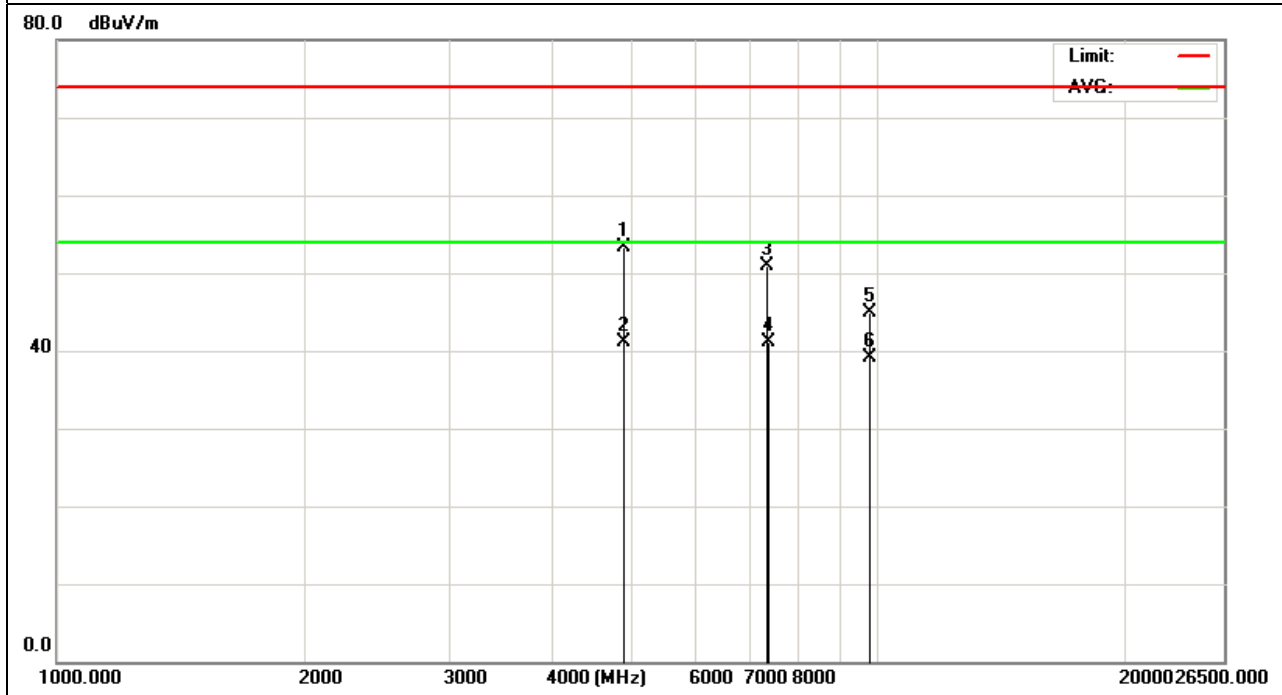
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH9(802.11n Mode)/40MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4904.18	42.97	10.29	53.26	74	-20.74	peak
4904.18	30.9	10.29	41.19	54	-12.81	AVG
7356.29	38.1	12.79	50.89	74	-23.11	peak
7359.29	28.38	12.79	41.17	54	-12.83	AVG
9808.54	28.86	16.11	44.97	74	-29.03	peak
9808.54	23.07	16.11	39.18	54	-14.82	AVG

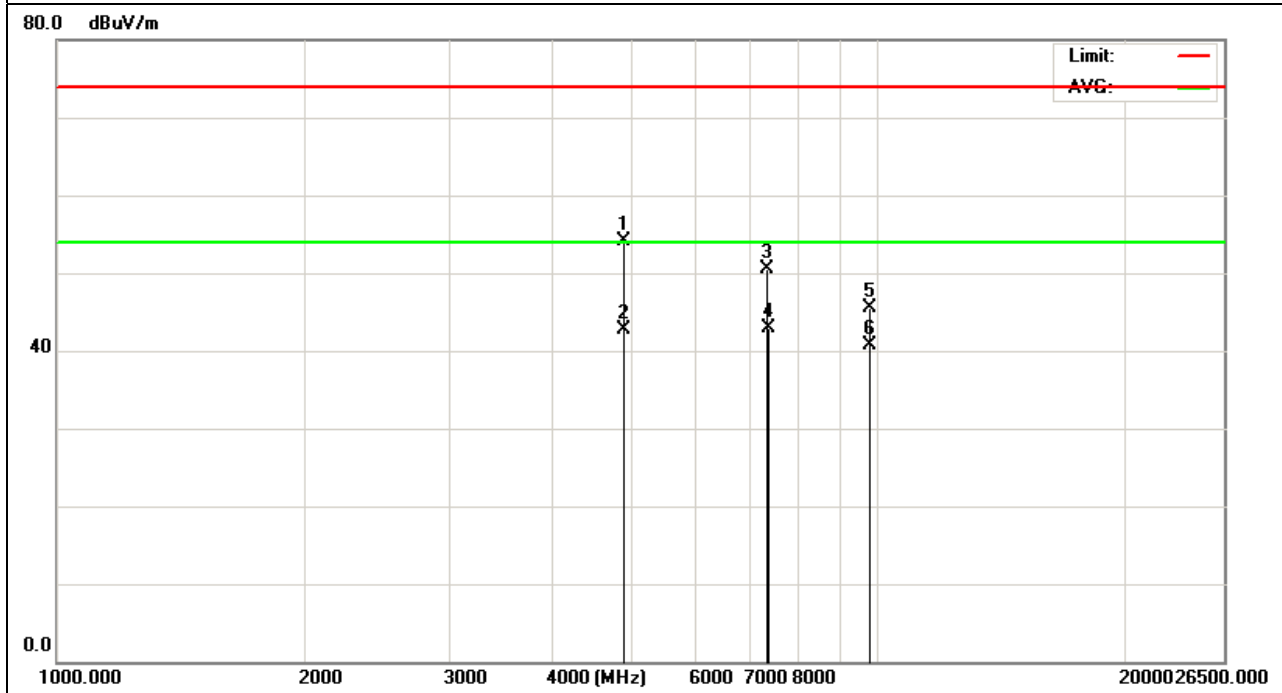
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH9(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4904.18	43.82	10.29	54.11	74	-19.89	peak
4904.18	32.35	10.29	42.64	54	-11.36	AVG
7356.29	37.77	12.79	50.56	74	-23.44	peak
7359.29	30.19	12.79	42.98	54	-11.02	AVG
9808.54	29.33	16.11	45.44	74	-28.56	peak
9808.54	24.63	16.11	40.74	54	-13.26	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

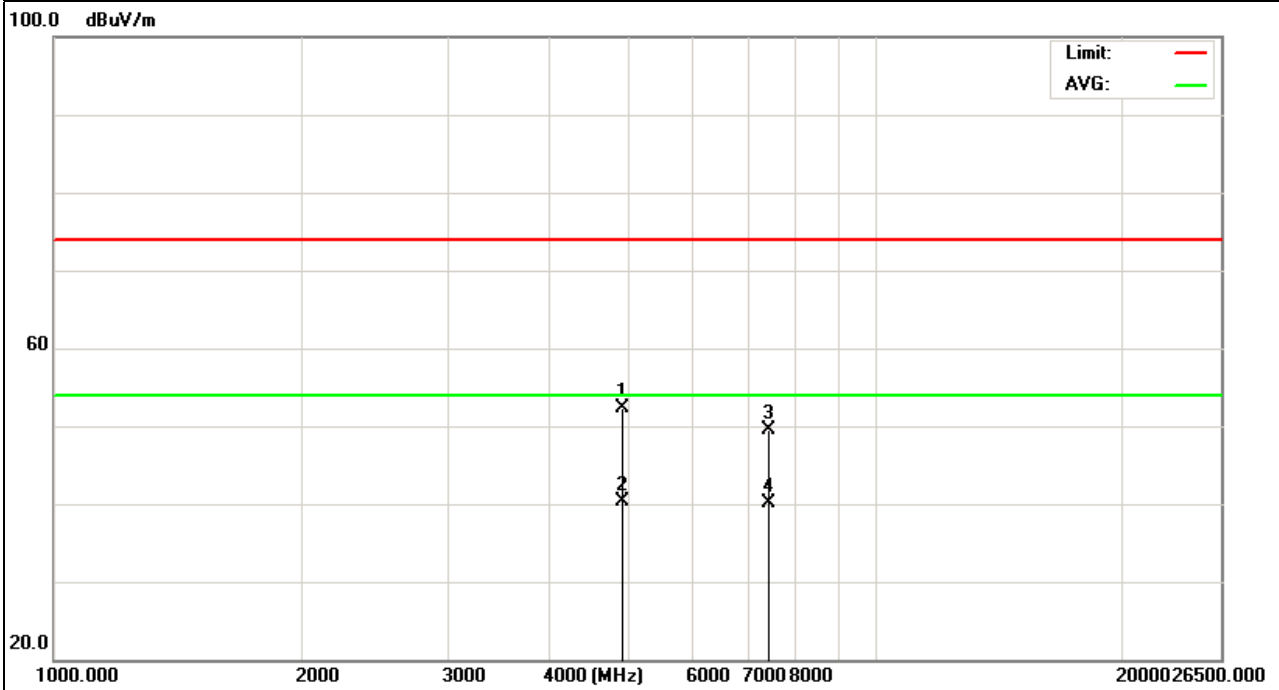


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	RX (802.11B Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924	42.15	10.21	52.36	74	-21.64	peak
4924	30.17	10.21	40.38	54	-13.62	AVG
7386	37.62	11.87	49.49	74	-24.51	peak
7386	28.31	11.87	40.18	54	-13.82	AVG

Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.

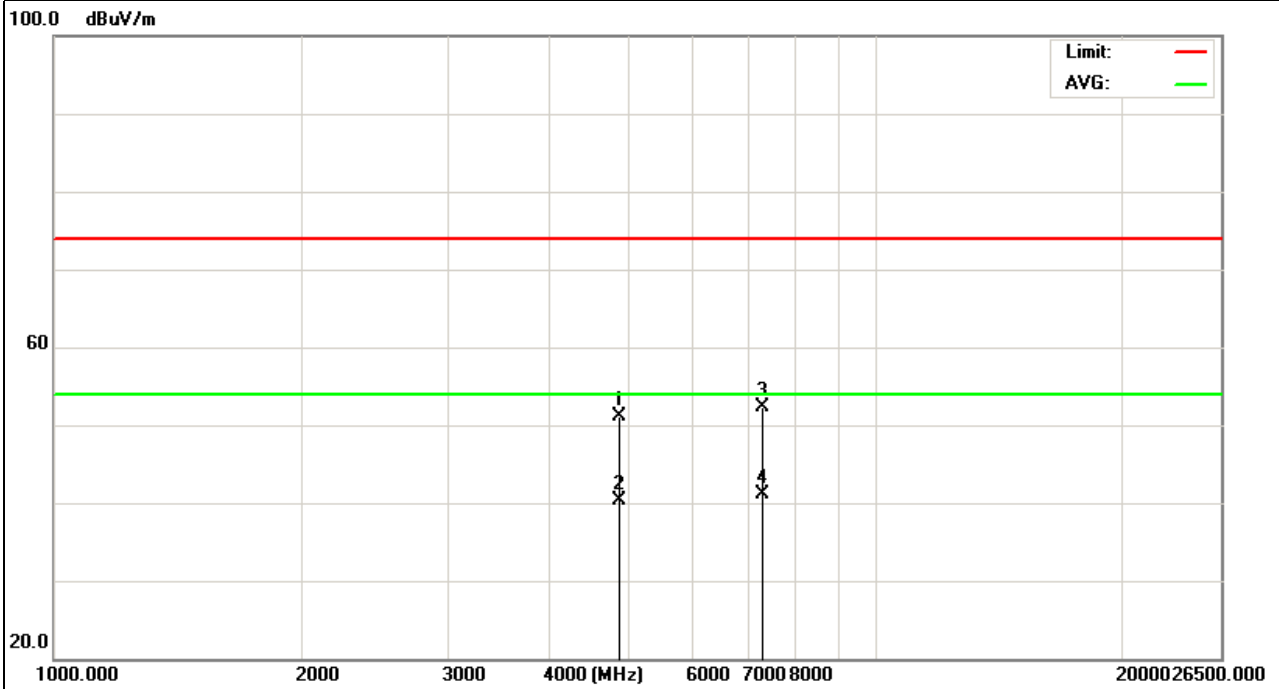


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	RX (802.11B Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874	40.95	10.23	51.18	74	-22.82	peak
4874	30.03	10.32	40.35	54	-13.65	AVG
7311	40.44	11.89	52.33	74	-21.67	peak
7311	29.29	11.89	41.18	54	-12.82	AVG

Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.

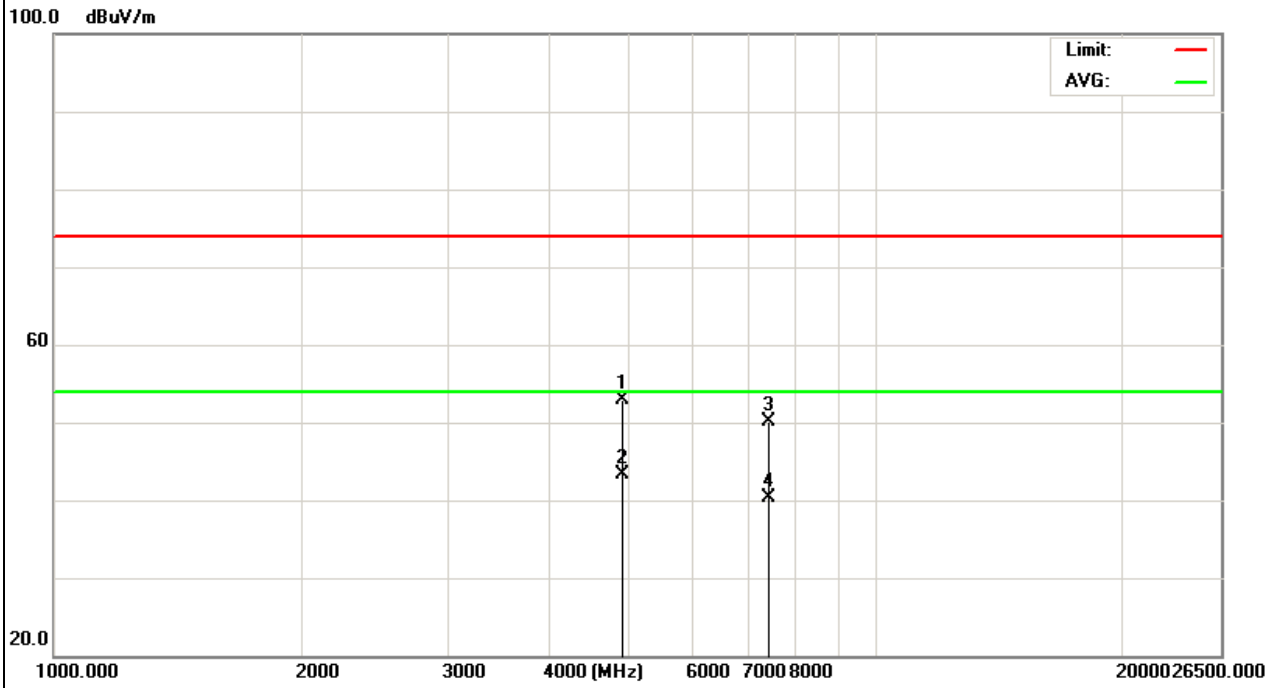


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	RX (802.11g Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924	42.33	10.65	52.98	74	-21.02	peak
4924	32.64	10.65	43.29	54	-10.71	AVG
7386	38.06	12.12	50.18	74	-23.82	peak
7386	28.25	12.12	40.37	54	-13.63	AVG

Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.

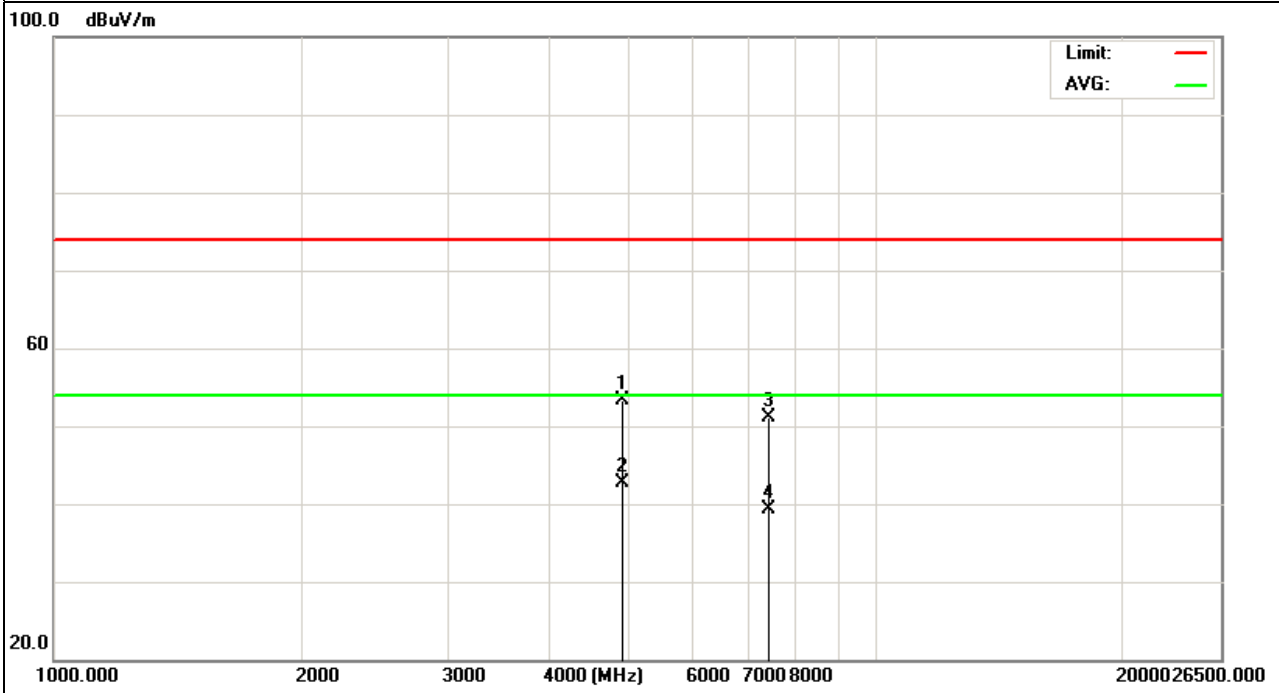


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	RX (802.11g Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924	42.74	10.55	53.29	74	-20.71	peak
4924	32.13	10.55	42.68	54	-11.32	AVG
7386	38.94	12.22	51.16	74	-22.84	peak
7386	27.16	12.22	39.38	54	-14.62	AVG

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

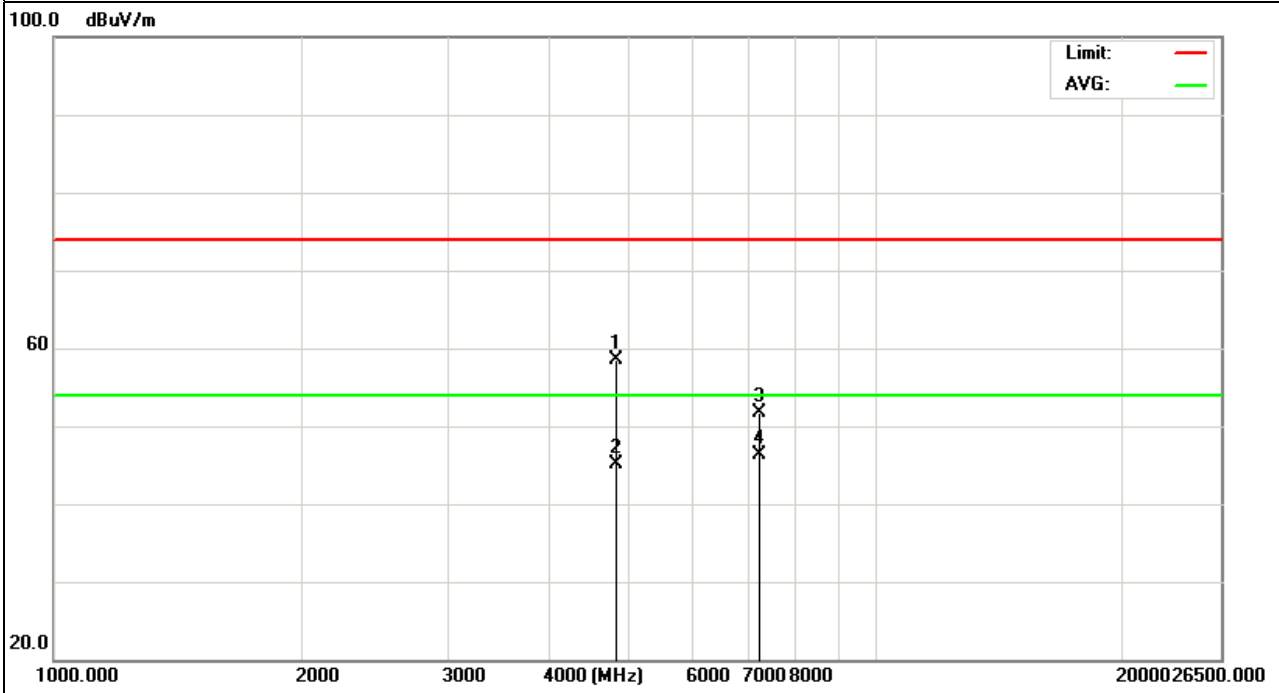


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	RX (802.11n Mode)/20MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	48.34	10.23	58.57	74	-15.43	peak
4824	34.94	10.23	45.17	54	-8.83	AVG
7239	39.56	12.11	51.67	74	-22.33	peak
7239	34.25	12.11	46.36	54	-7.64	AVG

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

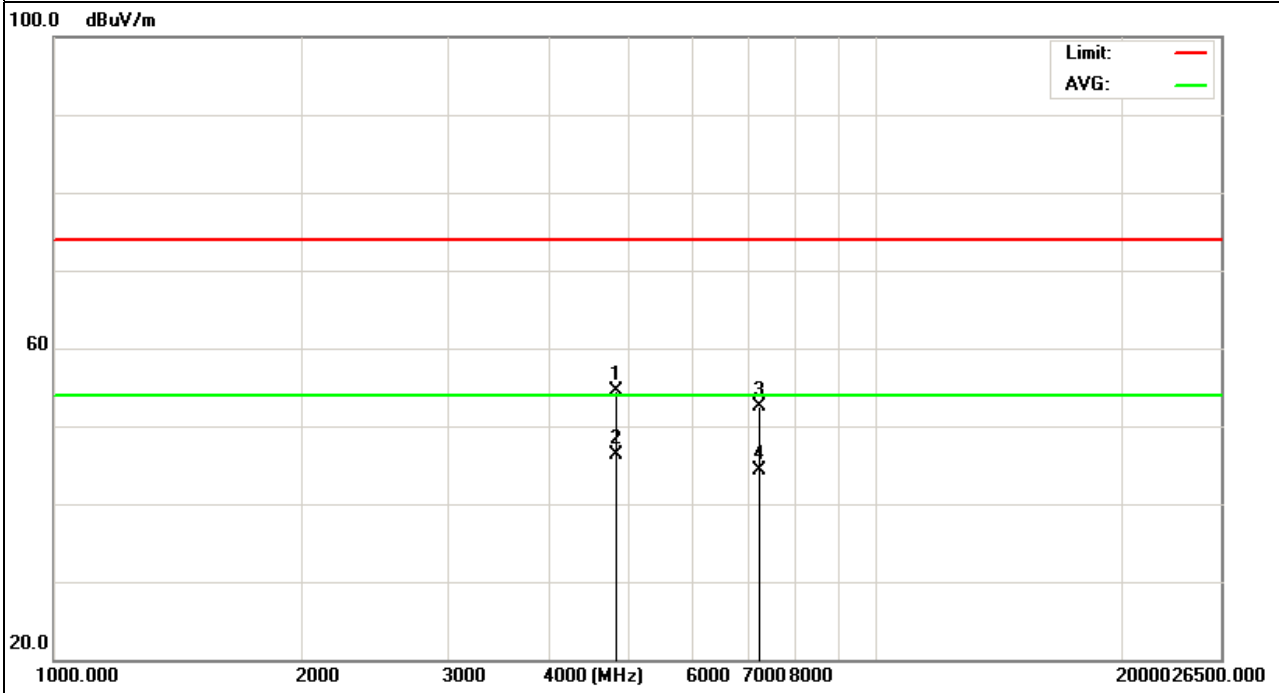


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	RX (802.11n Mode)/20MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4824	44.36	10.23	54.59	74	-19.41	peak
4824	36.12	10.23	46.35	54	-7.65	AVG
7239	40.45	12.11	52.56	74	-21.44	peak
7239	32.26	12.11	44.37	54	-9.63	AVG

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

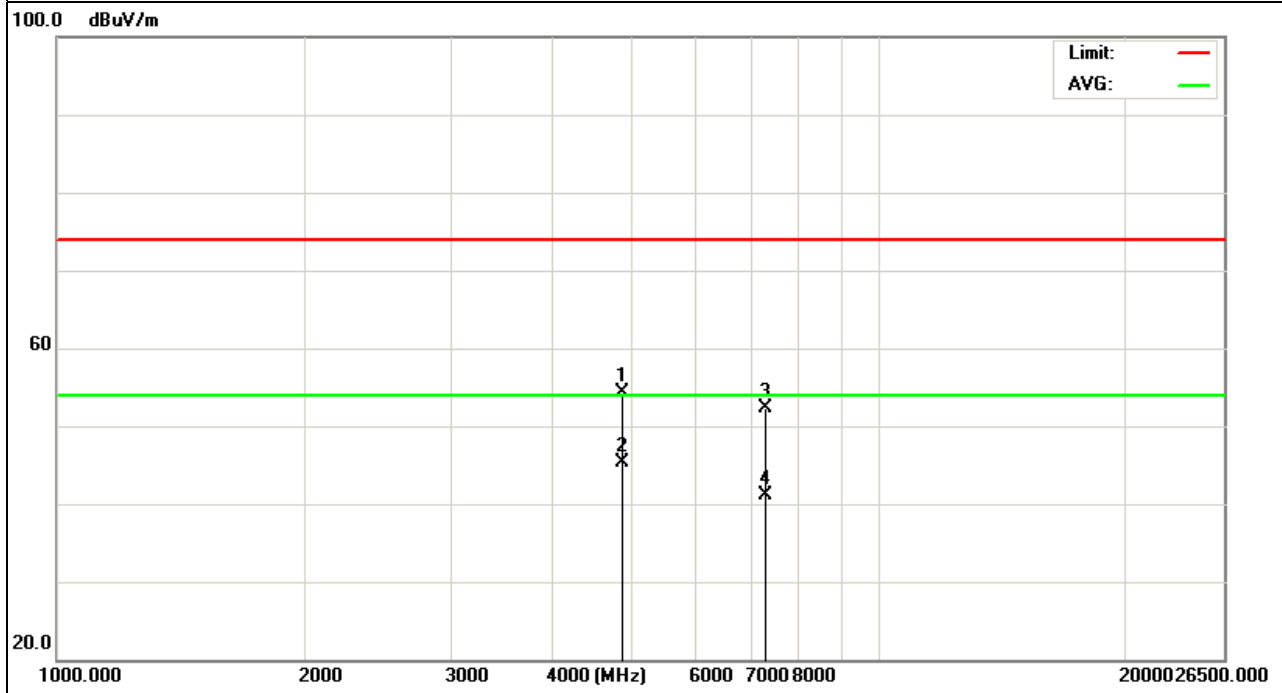


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	RX (802.11n Mode)/40MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4874	44	10.31	54.31	74	-19.69	peak
4874	35.04	10.31	45.35	54	-8.65	AVG
7311	39.84	12.47	52.31	74	-21.69	peak
7311	28.71	12.47	41.18	54	-12.82	AVG

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

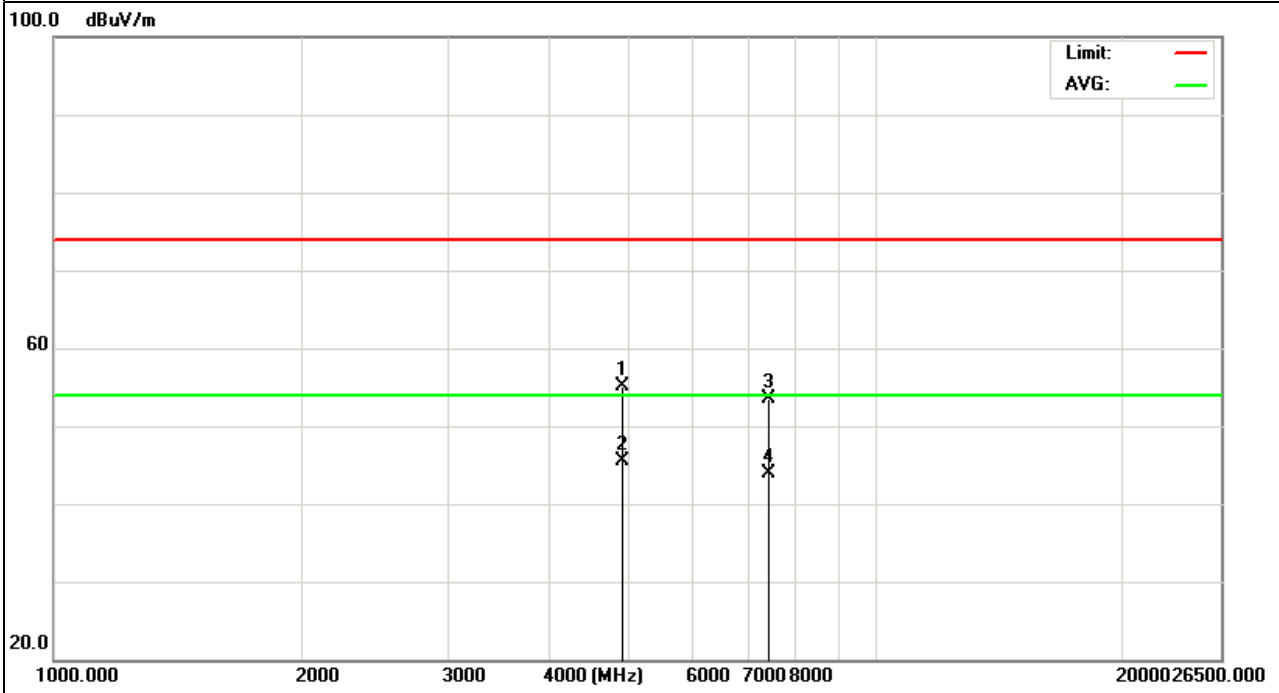


EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	RX (802.11n Mode)/40MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
4924	44.76	10.31	55.07	74	-18.93	peak
4924	35.24	10.31	45.55	54	-8.45	AVG
7386	41.11	12.47	53.58	74	-20.42	peak
7386	31.47	12.47	43.94	54	-10.06	AVG

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

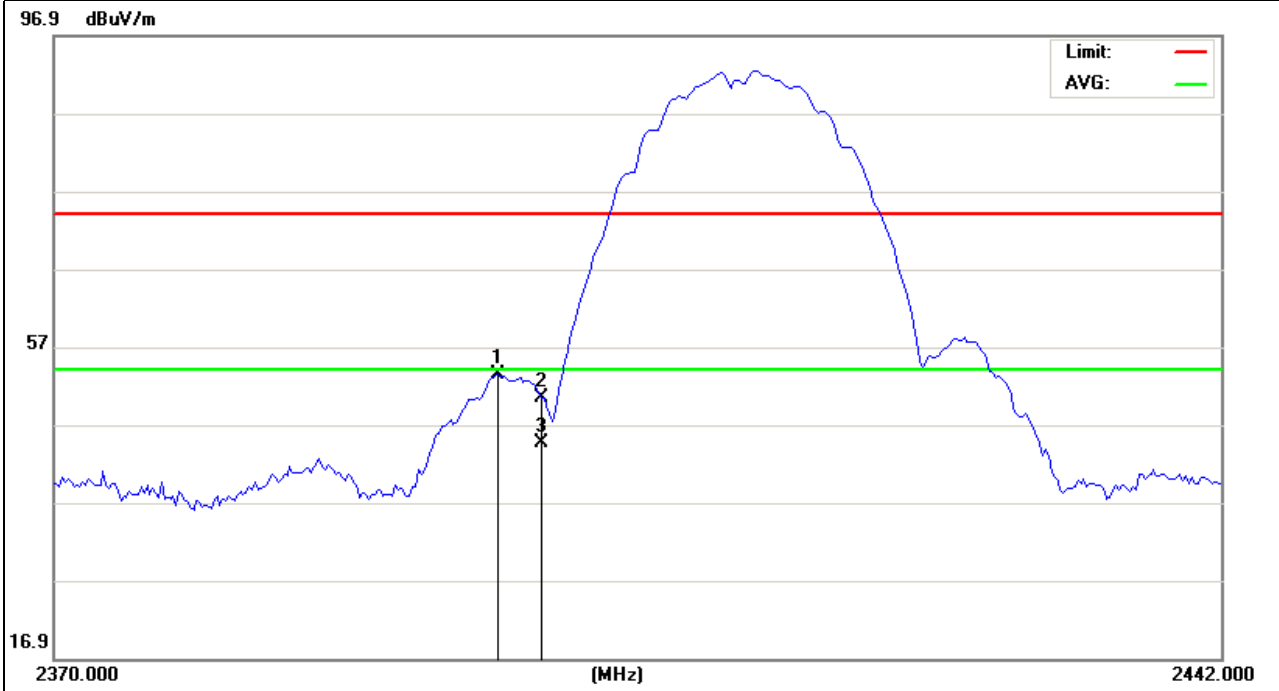


4.BAND EDGE EMISSION

EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH1(802.11b Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400	41.18	-0.69	40.49	74	-33.51	peak
2400	37.94	-0.69	37.25	54	-16.75	AVG

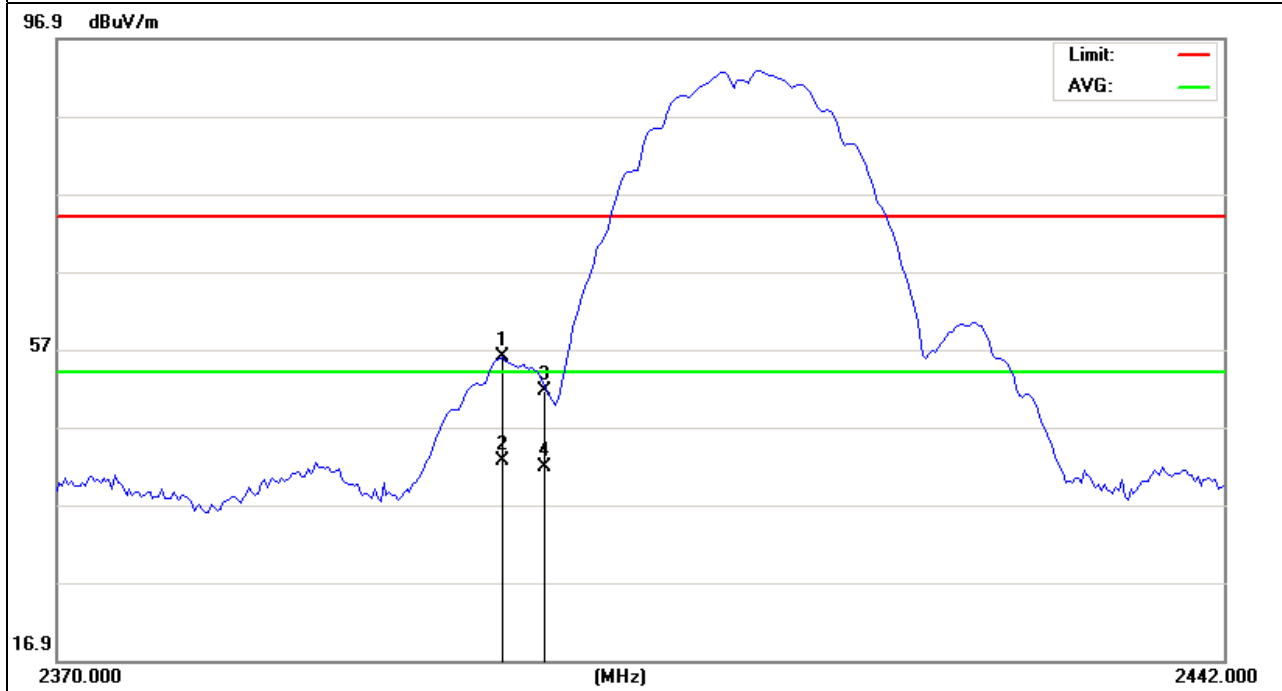
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH1(802.11b Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2439.12	56.19	-0.69	55.5	74	-18.5	peak
2439.12	40.97	-0.69	40.28	54	-13.72	AVG

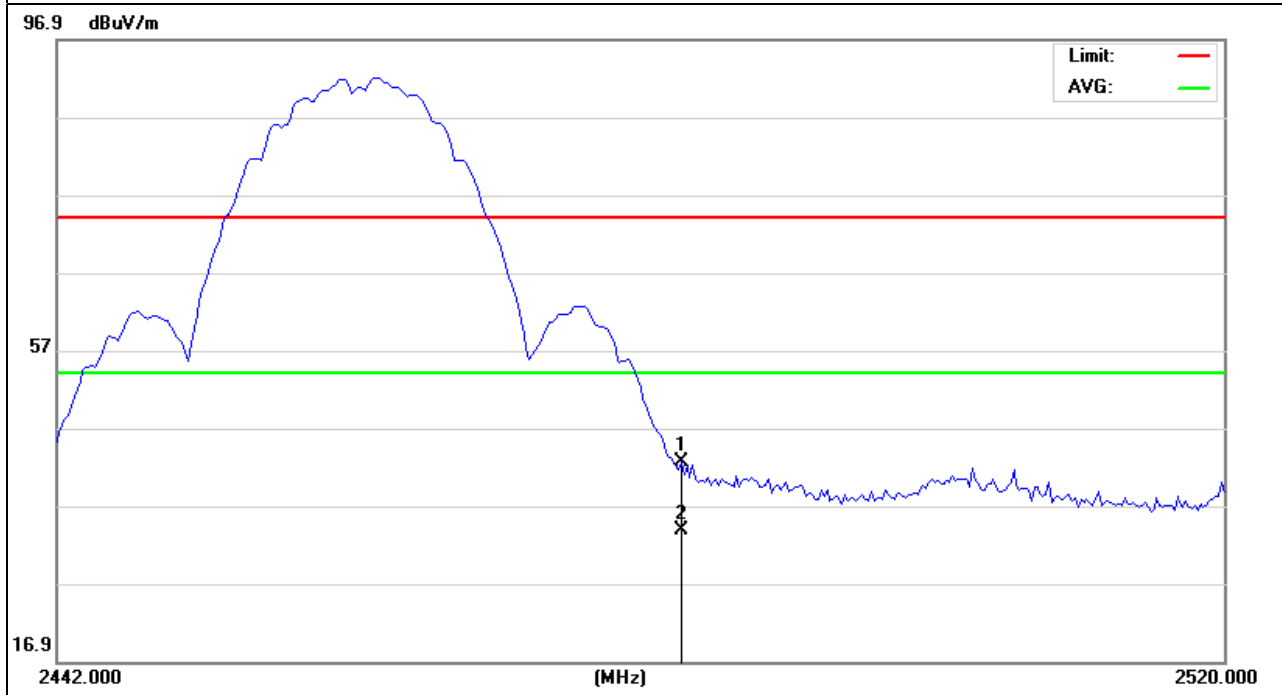
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH11(802.11b Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	41.16	-0.47	40.69	74	-33.31	peak
2483.5	34.11	-0.47	33.64	54	-20.36	AVG

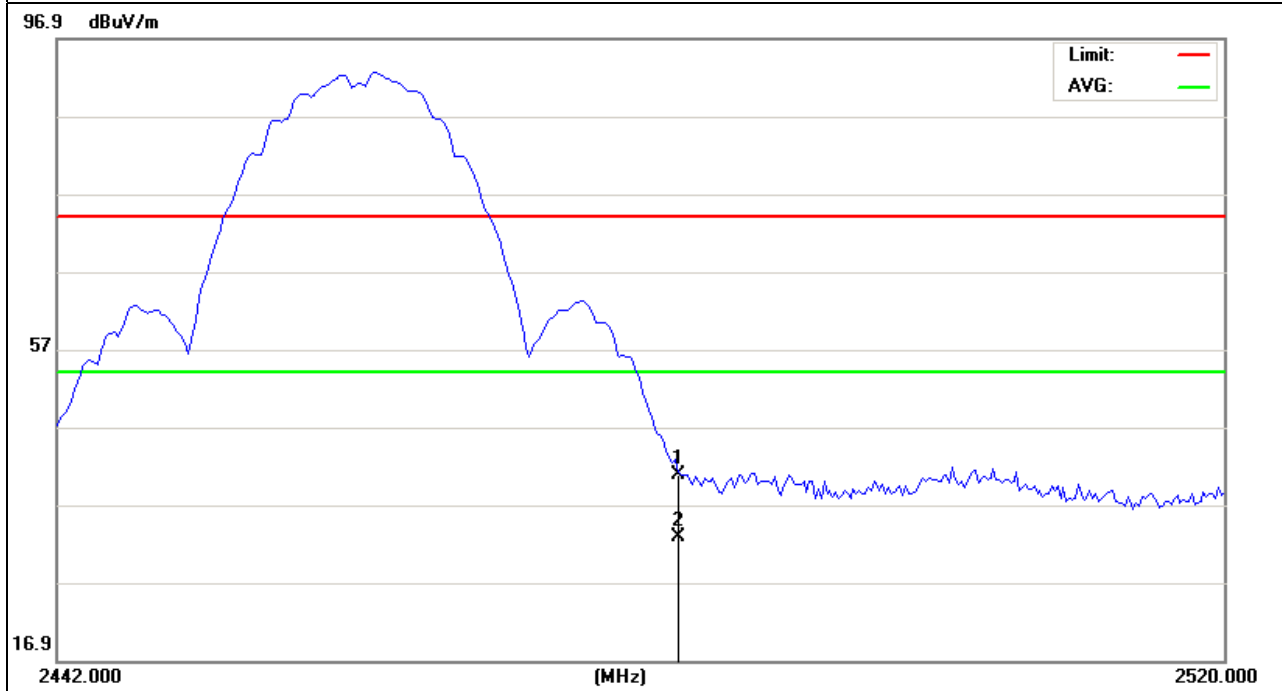
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH11(802.11b Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	40.16	-0.47	39.69	74	-34.31	peak
2483.5	33.11	-0.47	32.64	54	-21.36	AVG

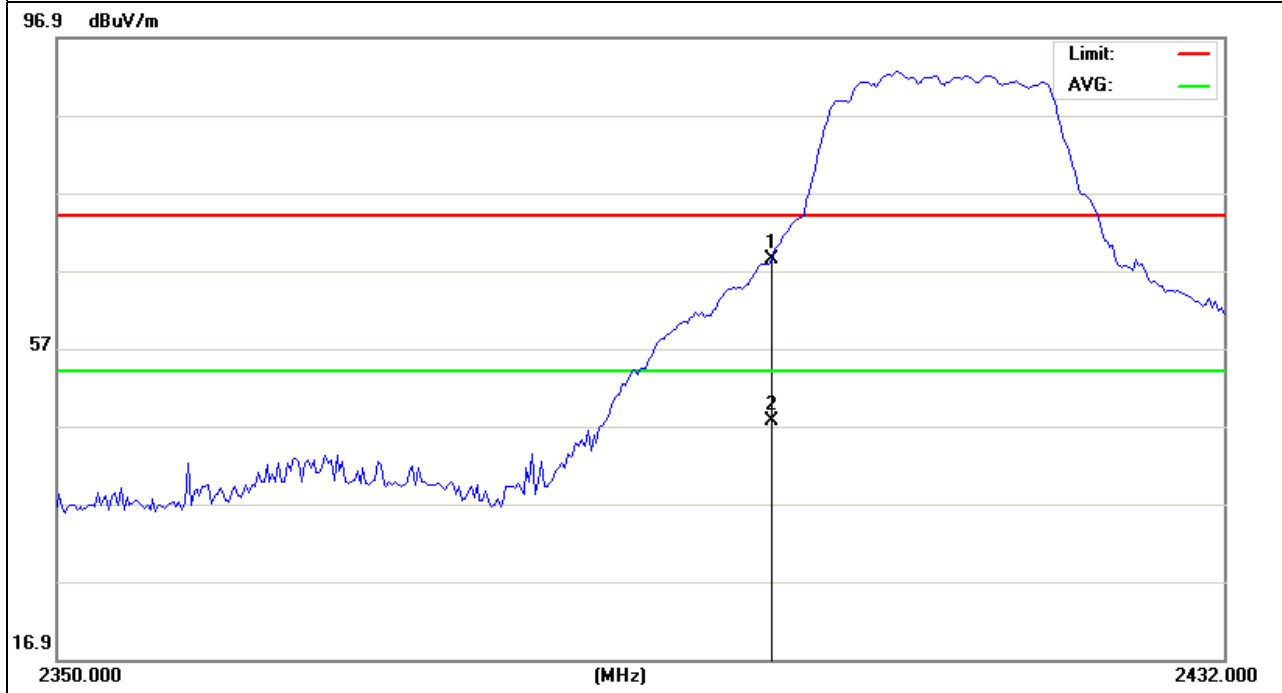
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH1(802.11g Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400	66.94	-0.69	66.25	74	-7.75	peak
2400	48.19	-0.69	47.5	54	-6.5	AVG

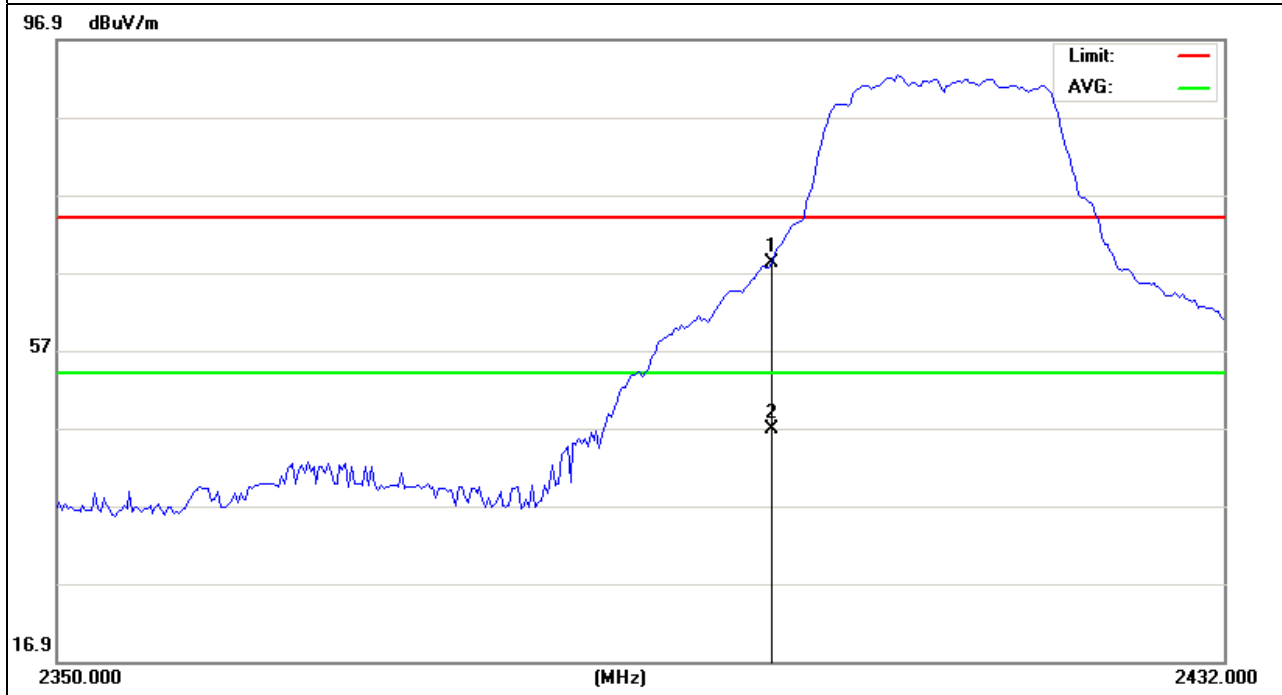
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH1(802.11gMode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400	68.54	-0.69	67.85	74	-6.15	peak
2400	46.68	-0.69	45.99	54	-8.01	AVG

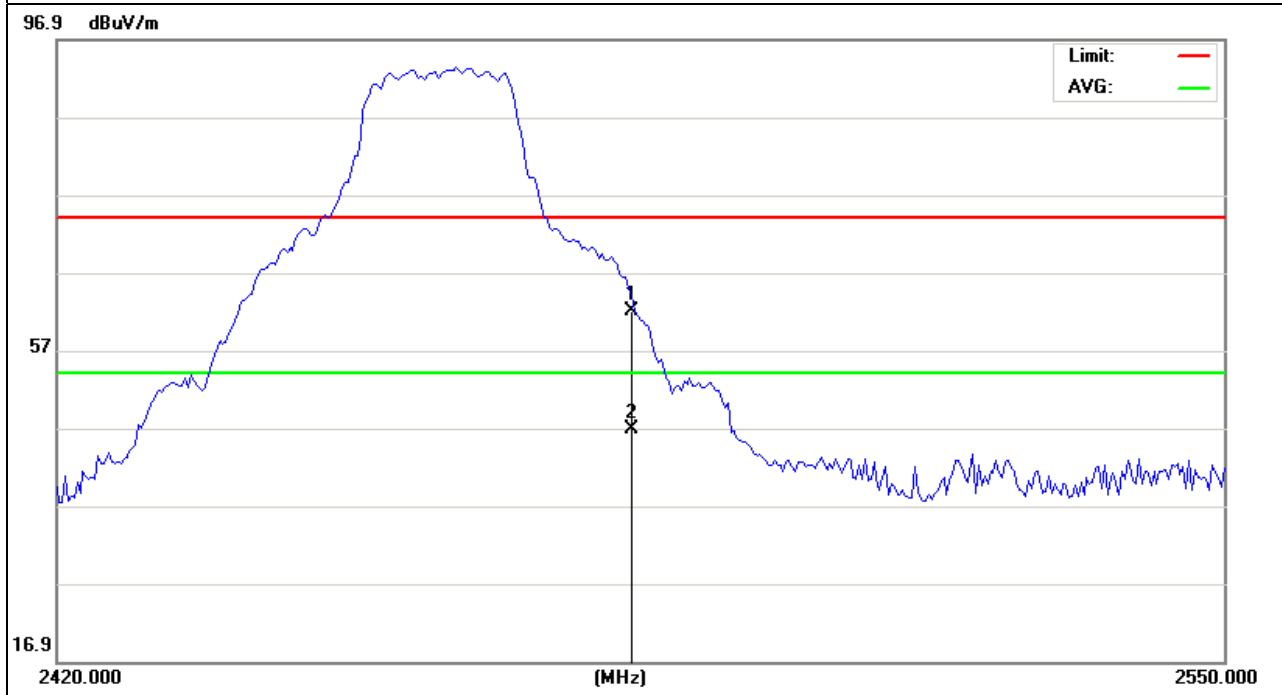
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH11(802.11g Mode)	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	62.38	-0.47	61.91	74	-12.09	peak
2483.5	47.24	-0.47	46.77	54	-7.23	AVG

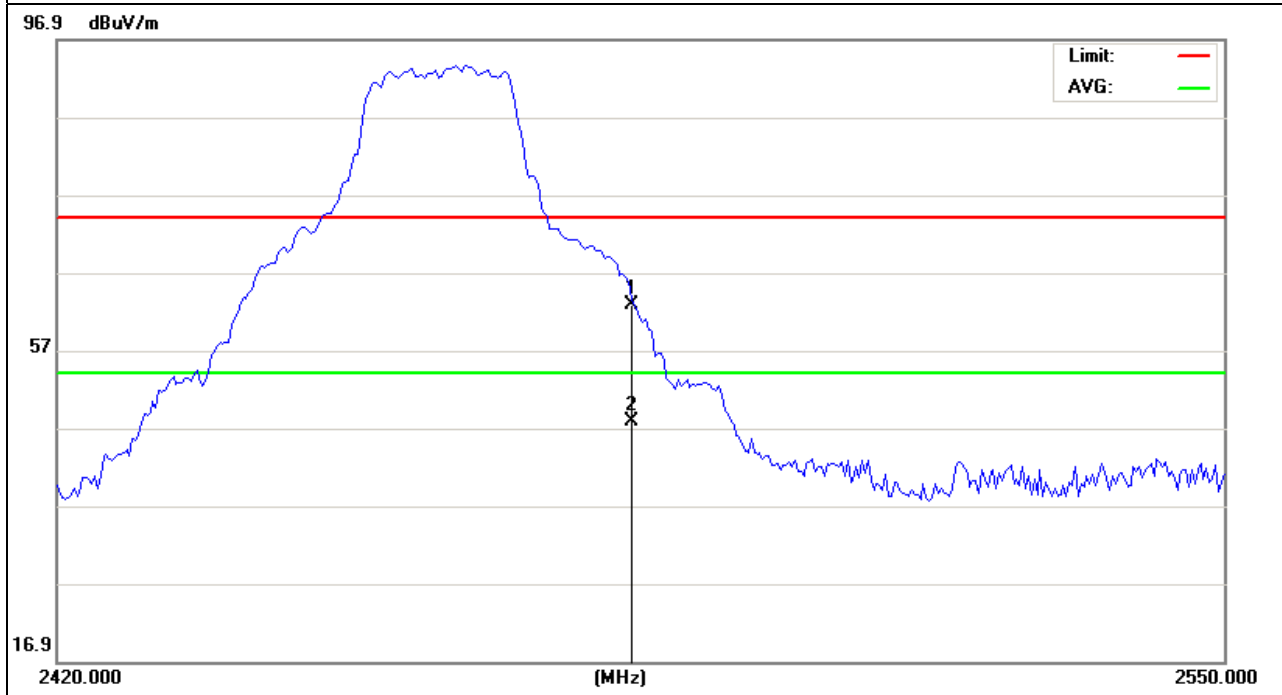
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH11(802.11g Mode)	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	63.3	-0.47	62.83	74	-11.17	peak
2483.5	48.27	-0.47	47.8	54	-6.2	AVG

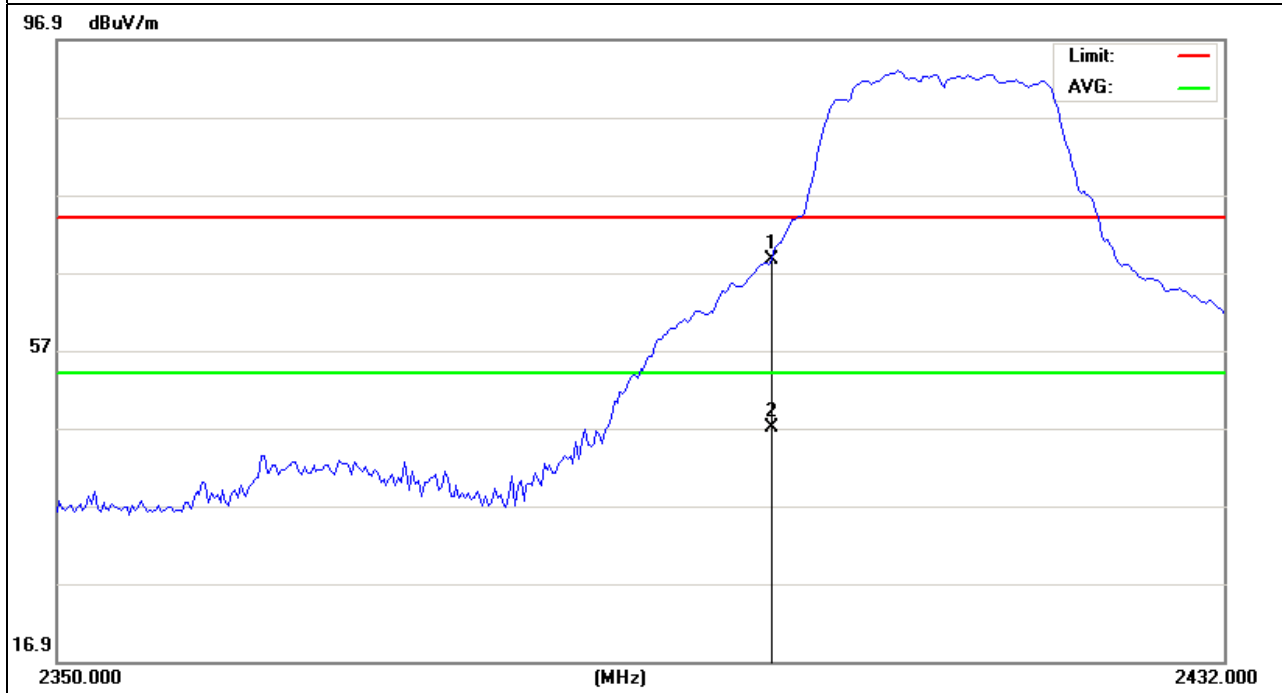
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH1(802.11N Mode)/20MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400	69.37	-0.69	68.68	74	-5.32	peak
2400	49.66	-0.69	48.97	54	-5.03	AVG

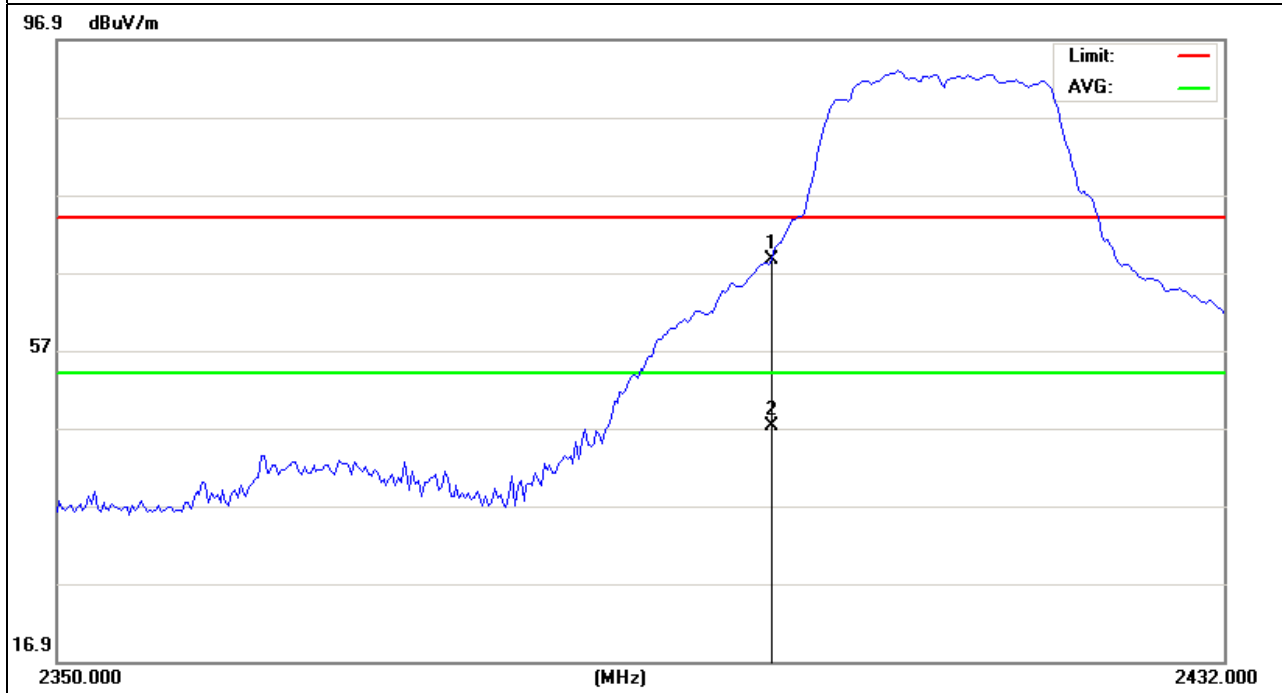
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH1(802.11N Mode)/20MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400	69.37	-0.69	68.68	74	-5.32	peak
2400	48.88	-0.69	48.19	54	-5.81	AVG

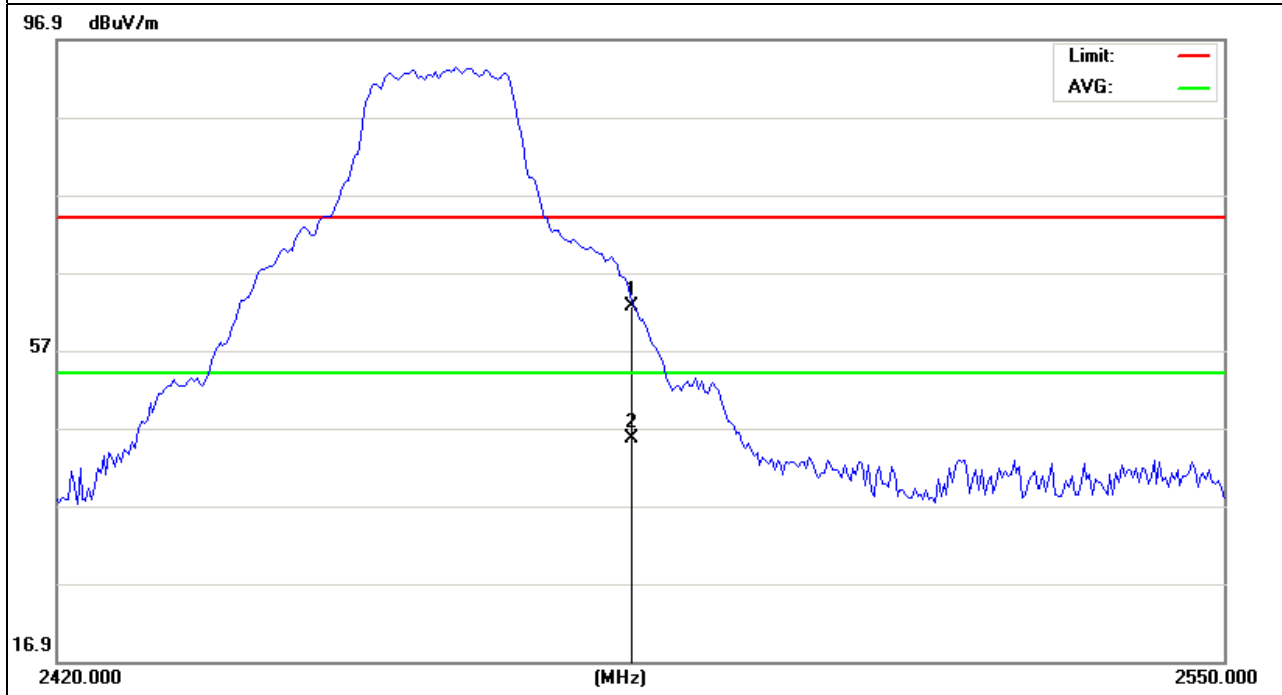
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH11(802.11N Mode)/20MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	65.03	-0.47	64.56	74	-9.44	peak
2483.5	47.12	-0.47	46.65	54	-7.35	AVG

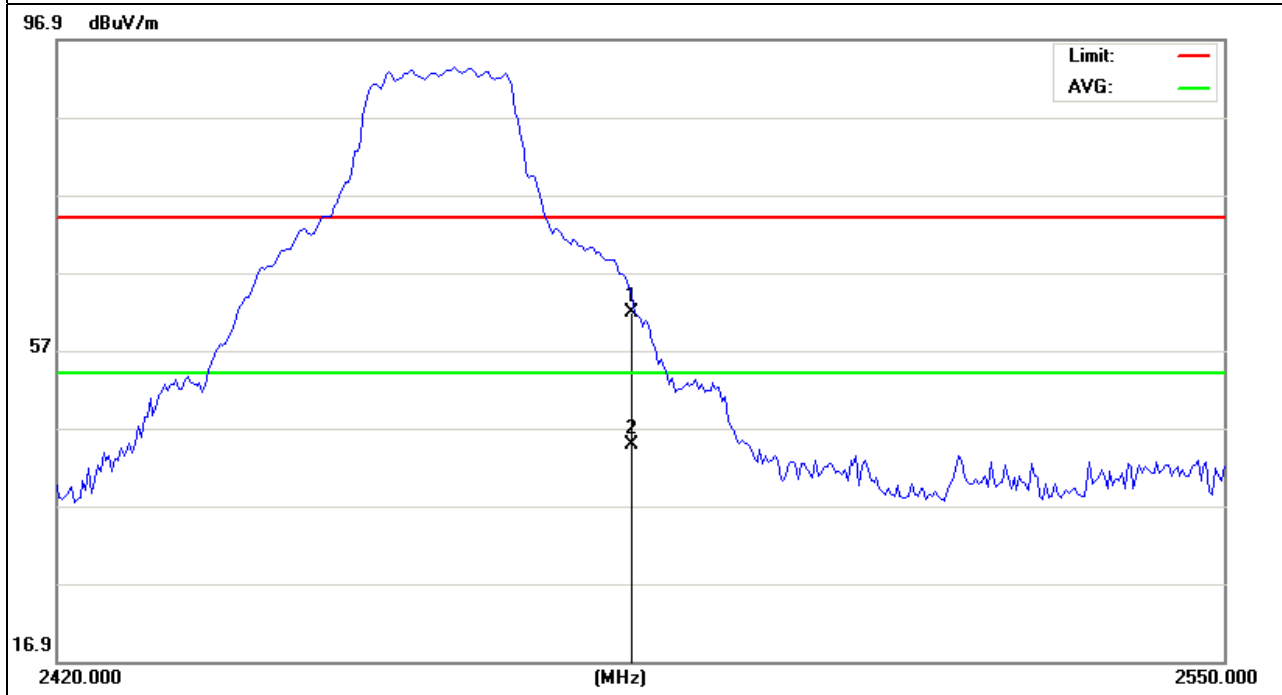
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH11(802.11N Mode)/20MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	64.33	-0.47	63.86	74	-10.14	peak
2483.5	47.29	-0.47	46.82	54	-7.18	AVG

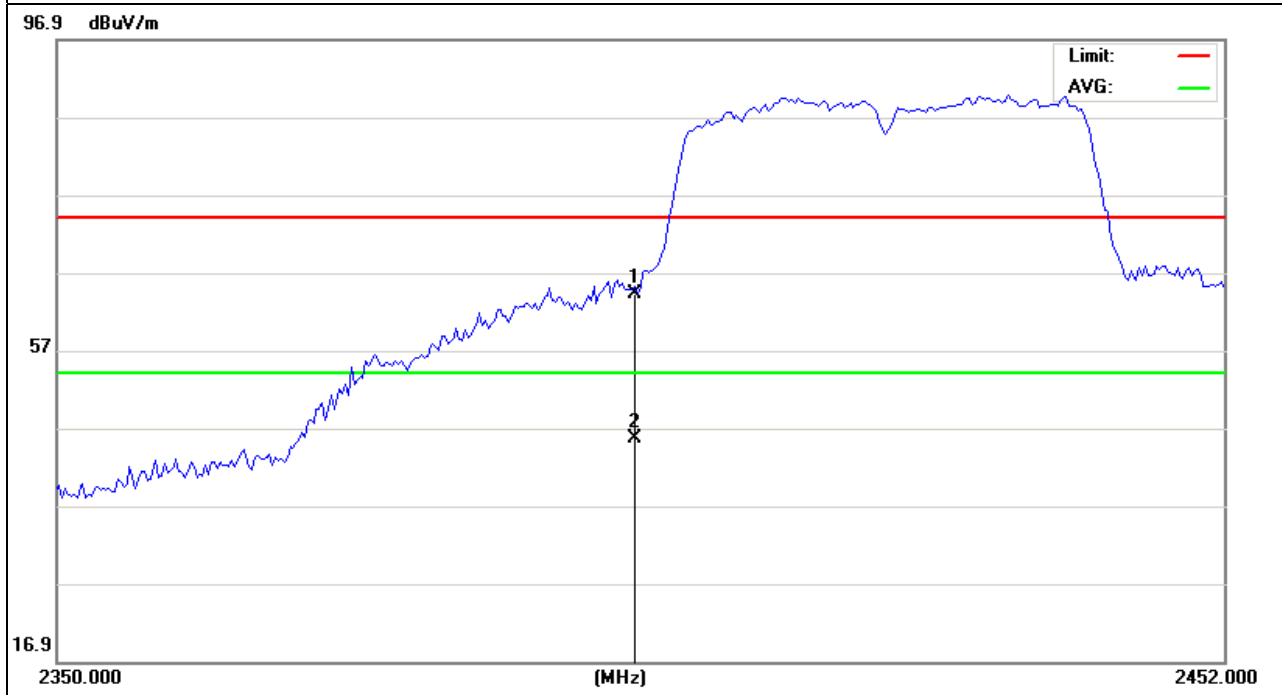
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH3(802.11n Mode)/40M	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2400	83.86	-0.47	66.4	74	-7.6	peak
2400	65.25	-0.47	47.79	54	-7.21	AVG

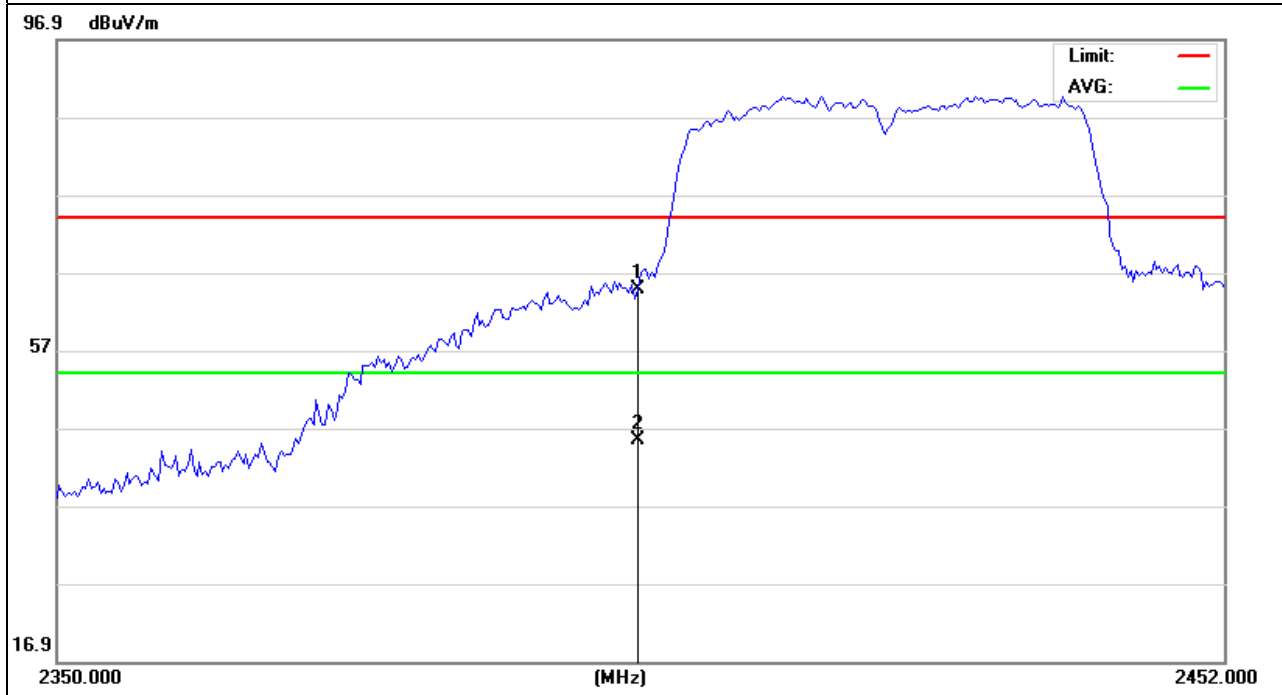
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH3(802.11n Mode)/40M	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	67.47	-0.47	67	74	-7	peak
2483.5	47.12	-0.47	46.65	54	-7.35	AVG

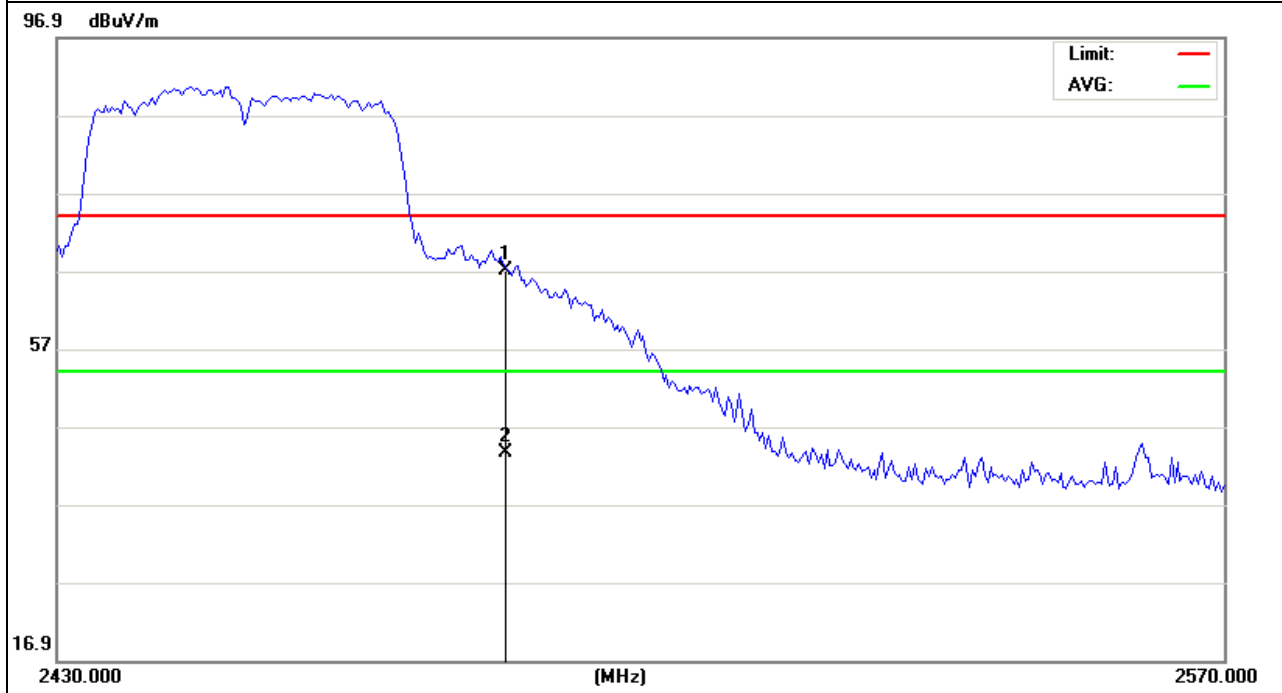
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH9(802.11n Mode)/40MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	68.32	-0.47	67.85	74	-6.15	peak
2483.5	48.31	-0.47	47.84	54	-6.16	AVG

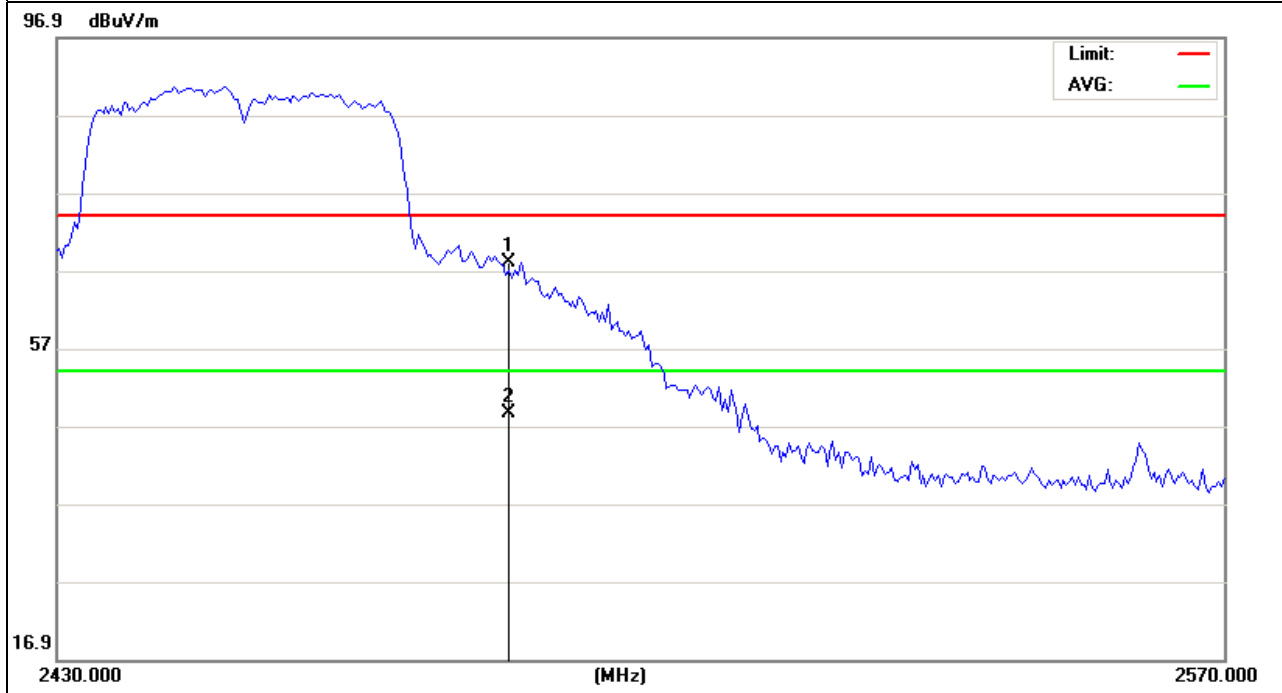
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	20 °C	Relative Humidity :	48%
Pressure :	1010 hPa	Test Voltage :	DC 12V
Test Mode :	CH9(802.11n Mode)/40MHz	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2483.5	68.69	-0.47	68.22	74	-5.78	peak
2483.5	48.78	-0.47	48.31	54	-5.69	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



5. POWER SPECTRAL DENSITY TEST

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> Operating Frequency Range
RB	3 kHz
VB	30 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	500s

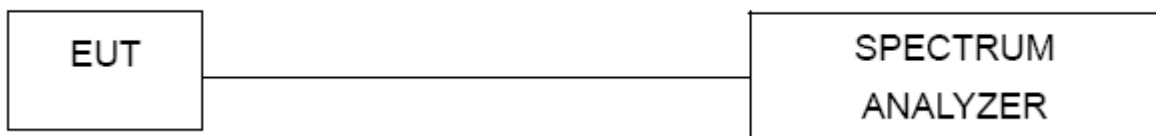
5.1.1 TEST PROCEDURE

- 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.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



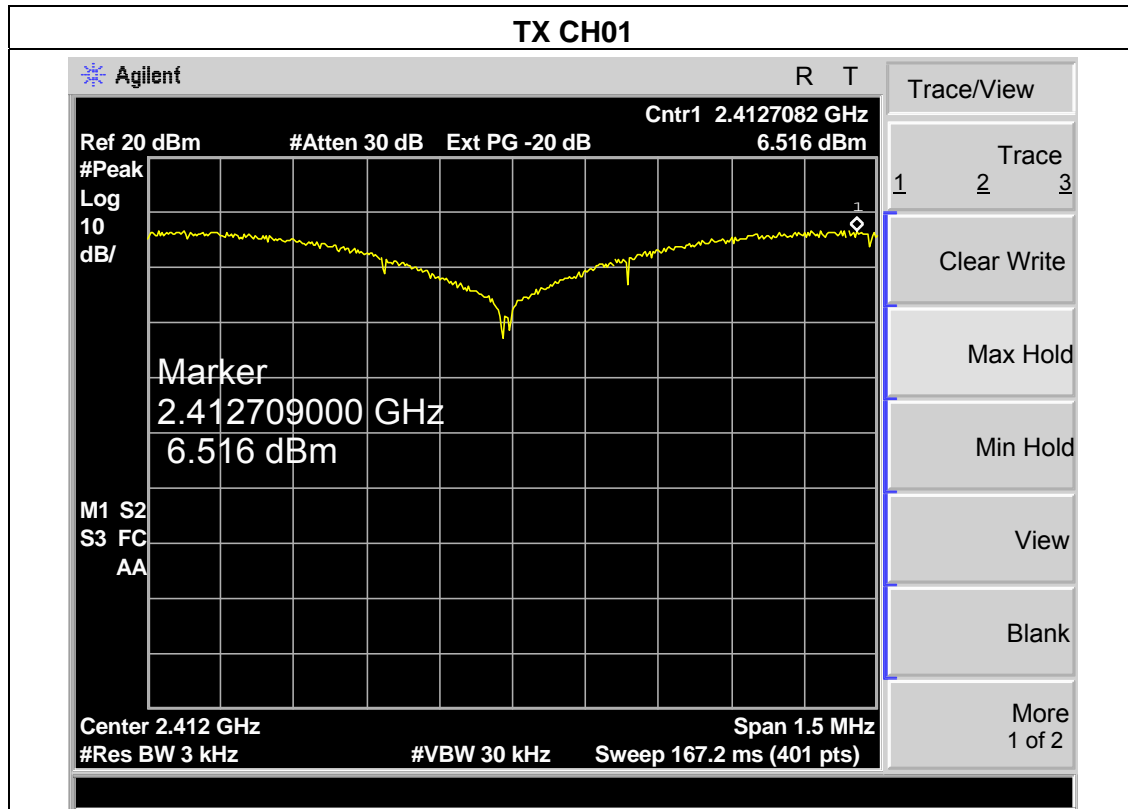
5.1.4 EUT OPERATION CONDITIONS

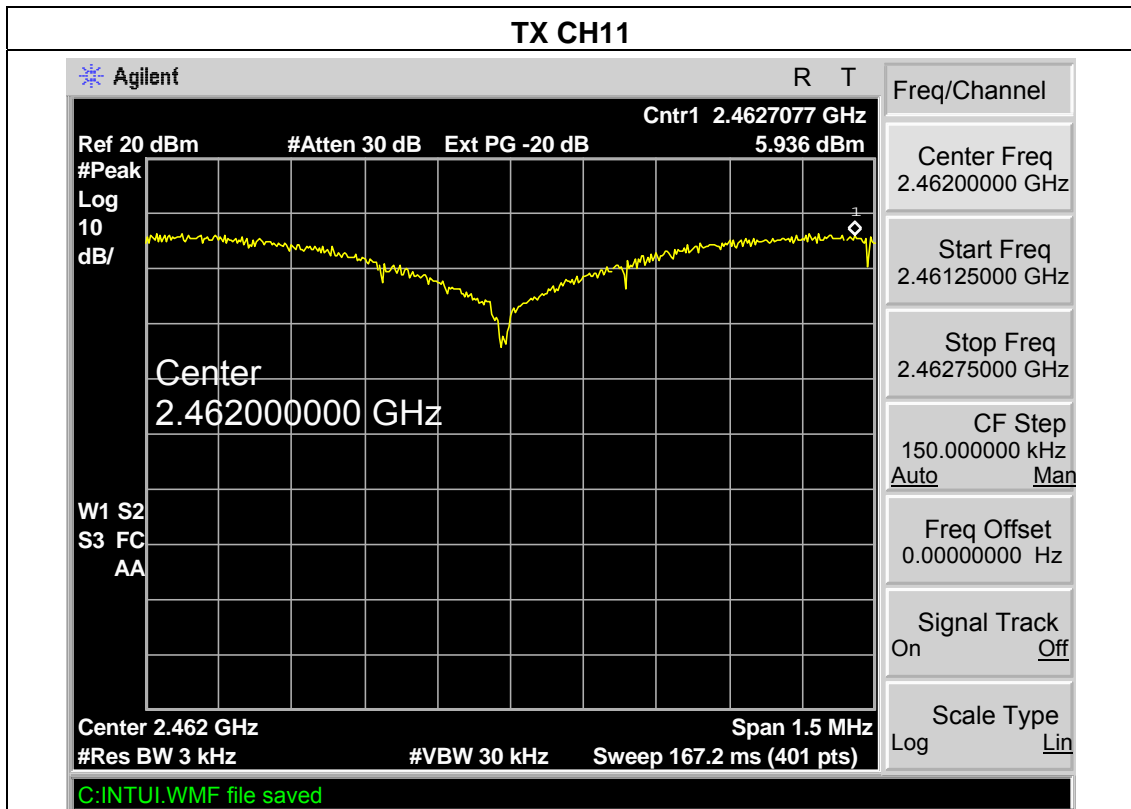
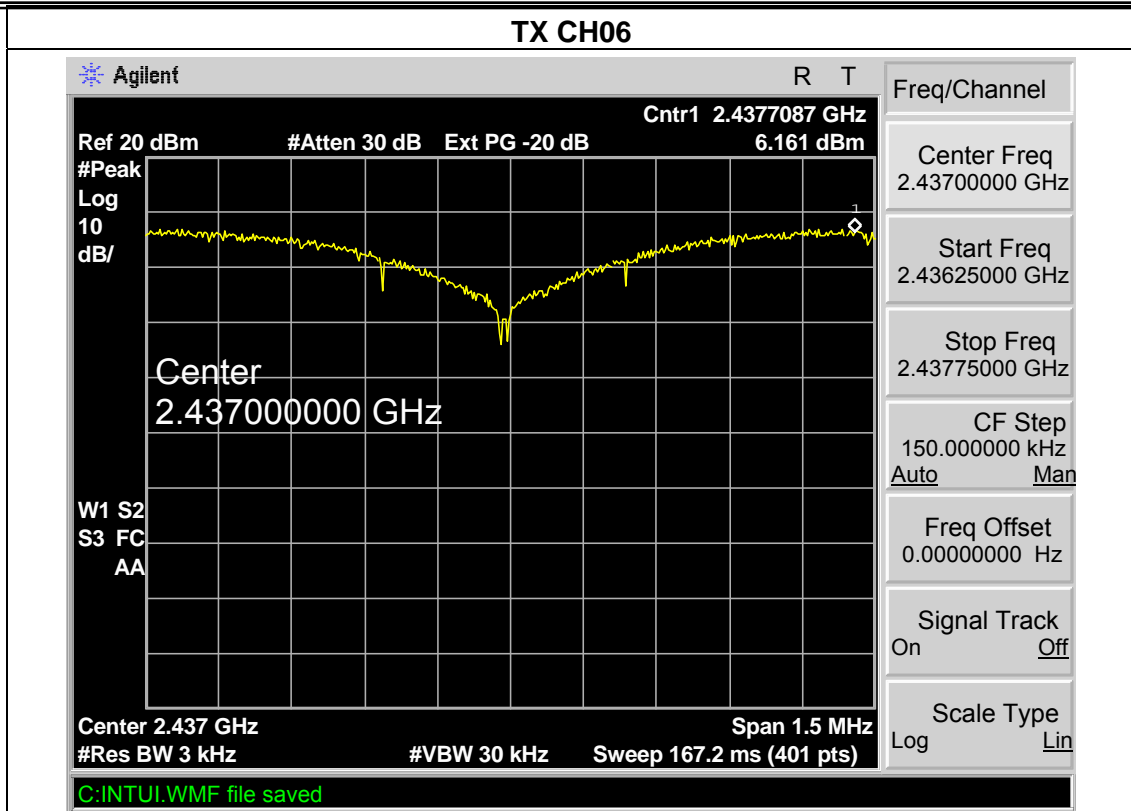
The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 TEST RESULTS

EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1015 hPa	Test Voltage :	DC 12V
Test Mode :	TX B MODE /CH01, CH06, CH11		

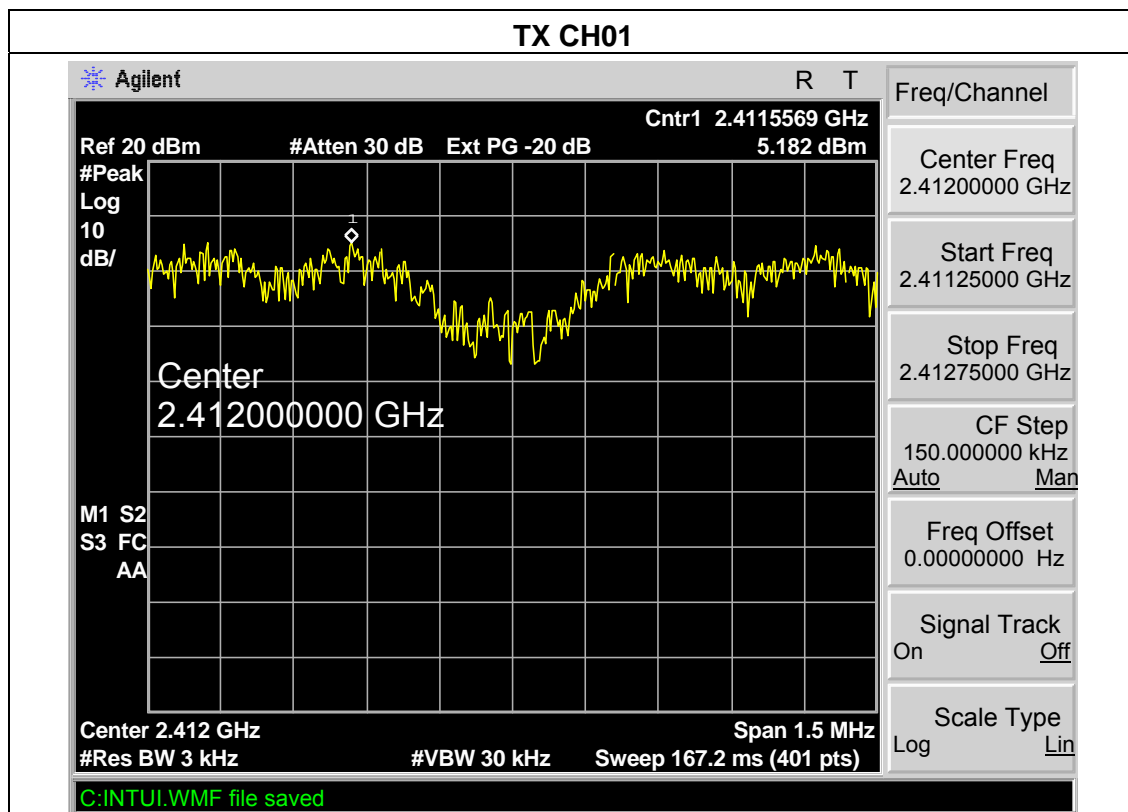
Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	6.516	8	PASS
2437MHz	6.161	8	PASS
2462 MHz	5.936	8	PASS

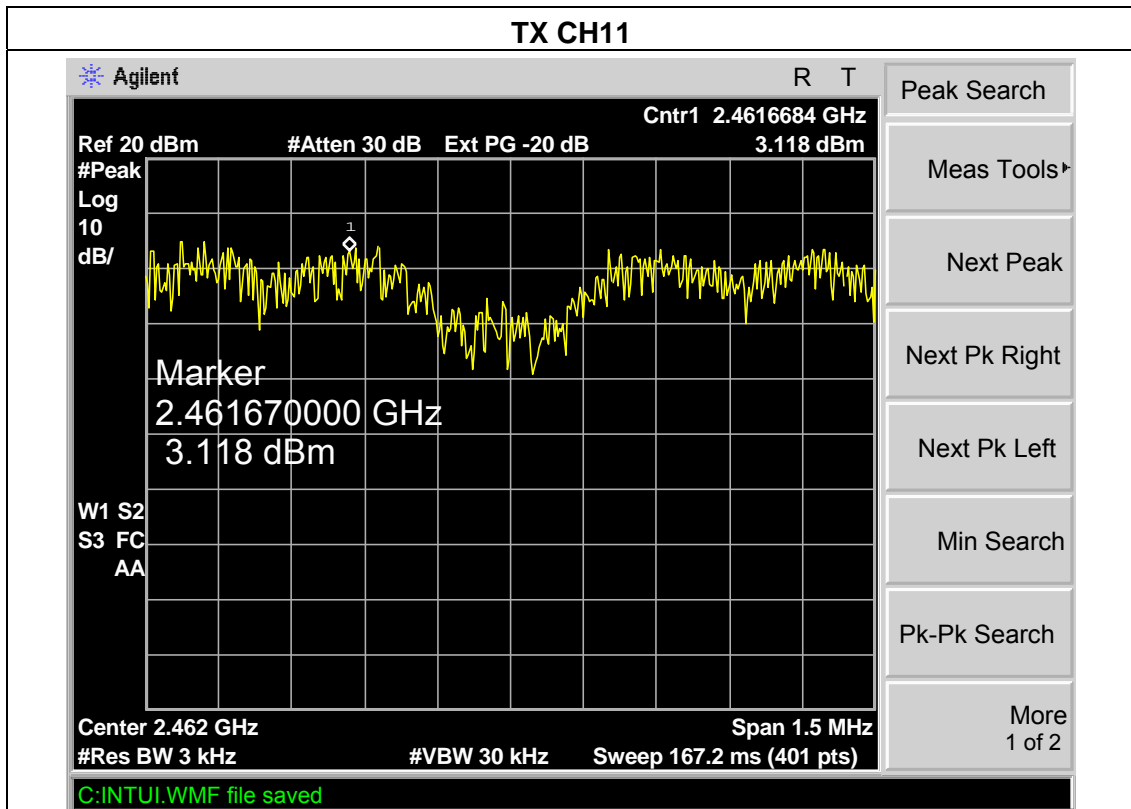
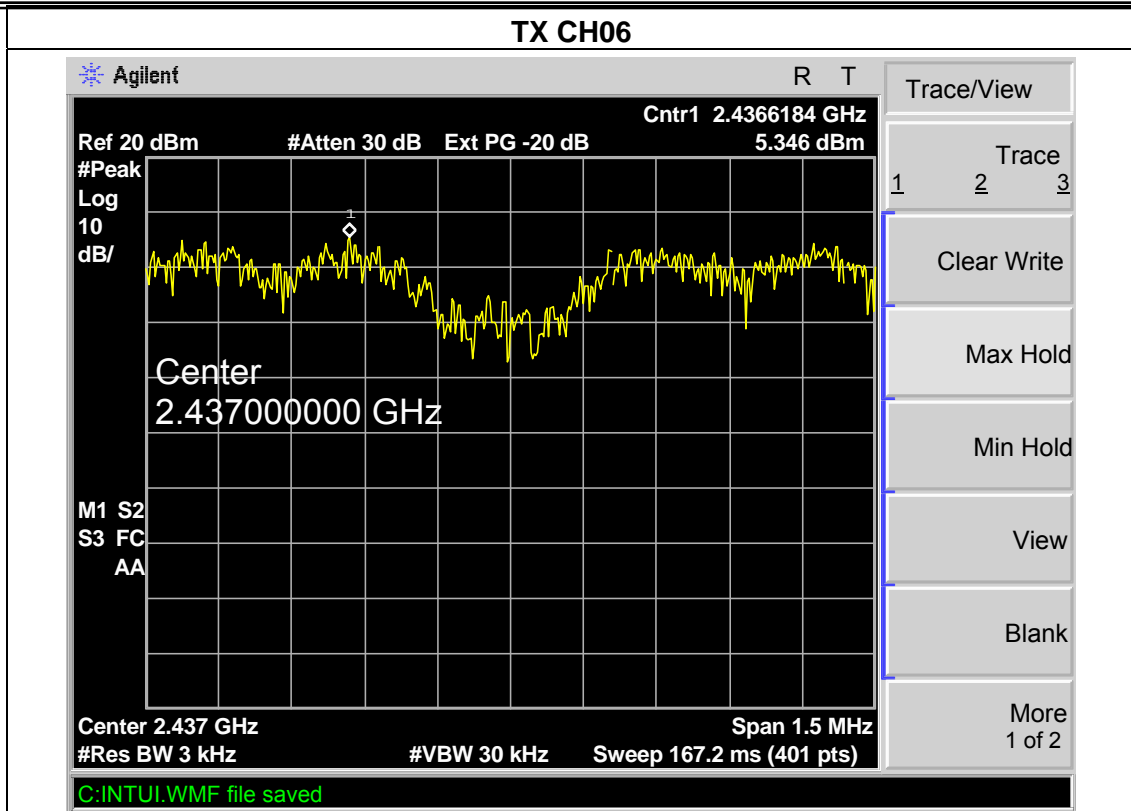




EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1015 hPa	Test Voltage :	DC 12V
Test Mode :	TX G MODE /CH01, CH06, CH11		

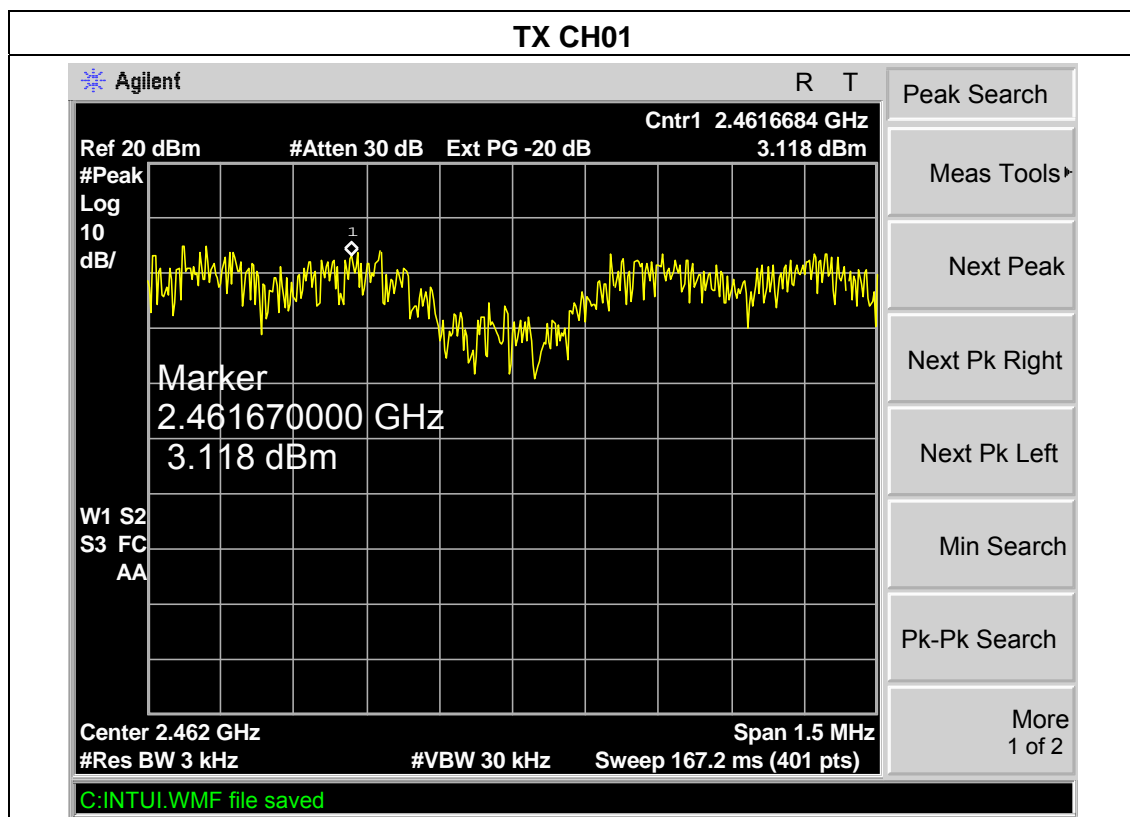
Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	5.182	8	PASS
2437MHz	5.346	8	PASS
2462 MHz	3.118	8	PASS

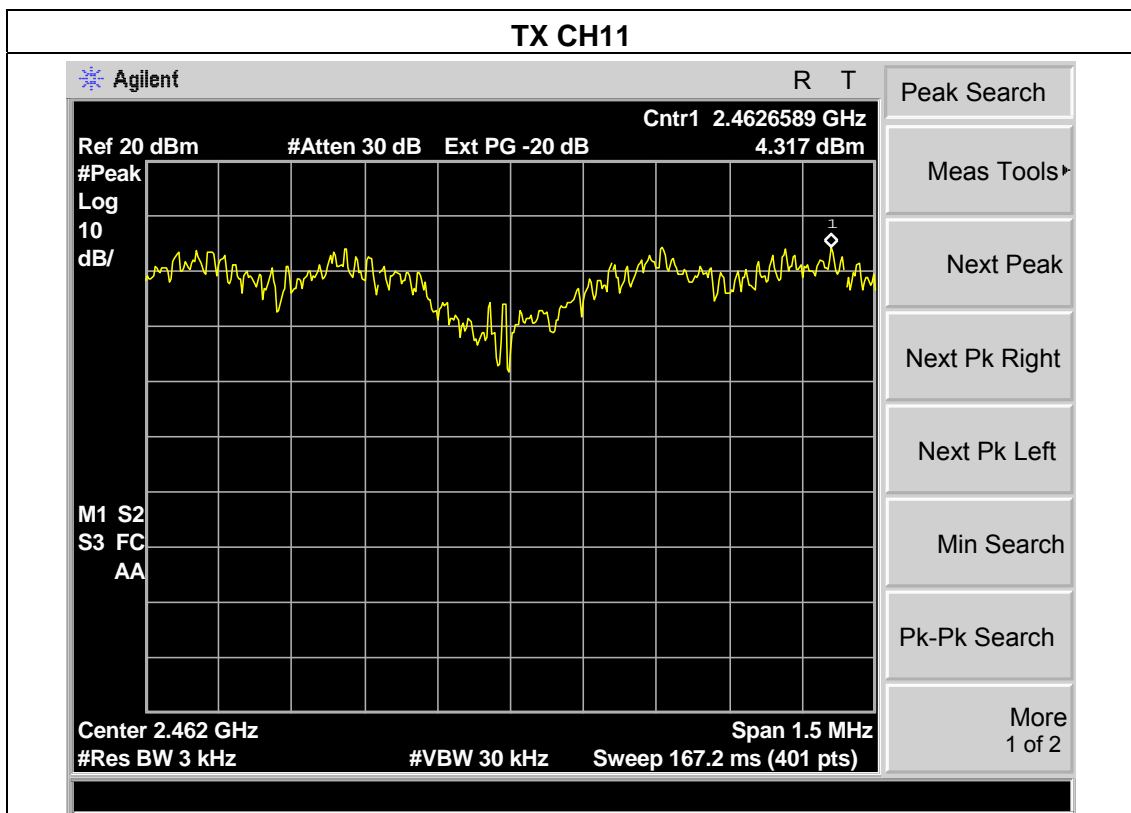
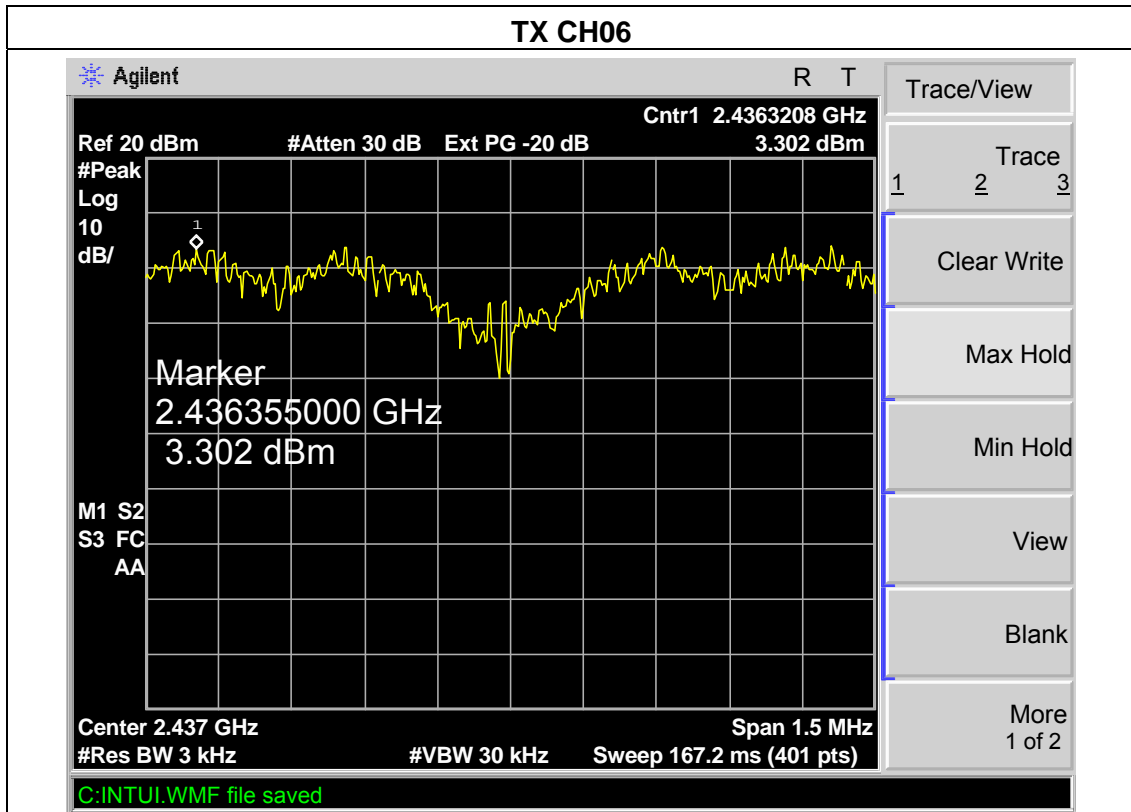




EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1015 hPa	Test Voltage :	DC 12V
Test Mode :	TX n MODE /CH01, CH06, CH11		

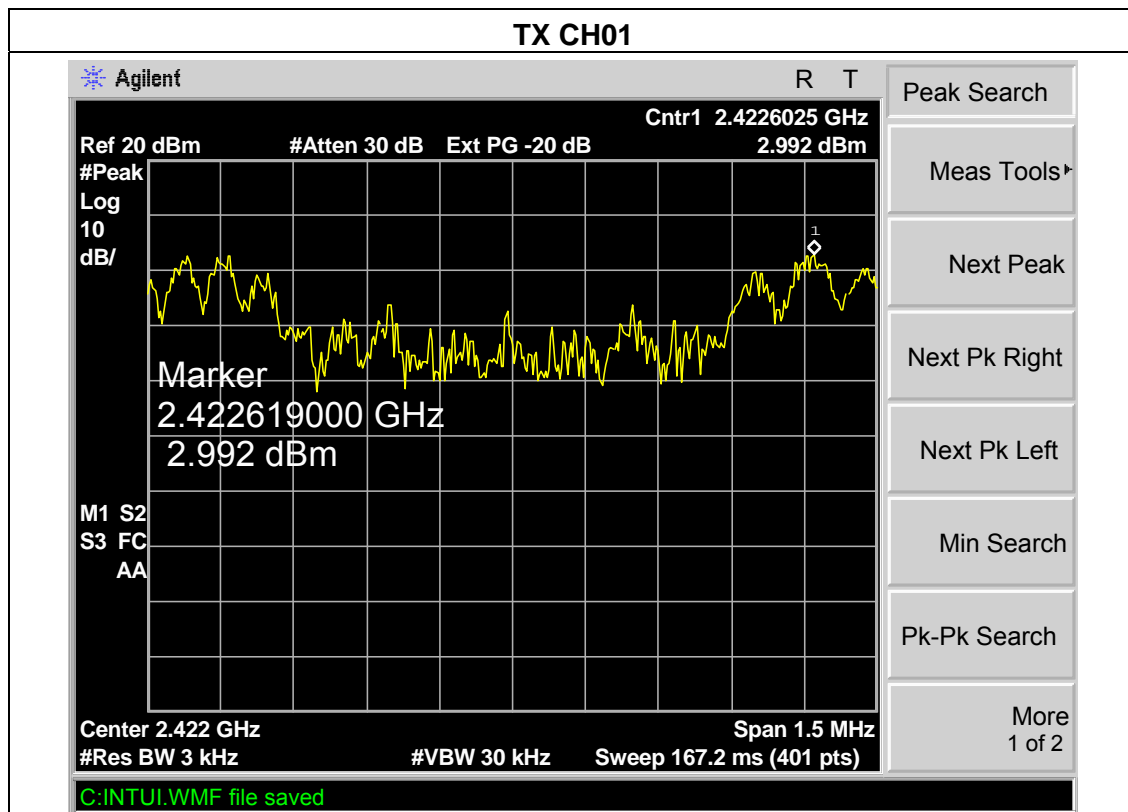
Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	3.118	8	PASS
2437MHz	3.302	8	PASS
2462 MHz	4.317	8	PASS

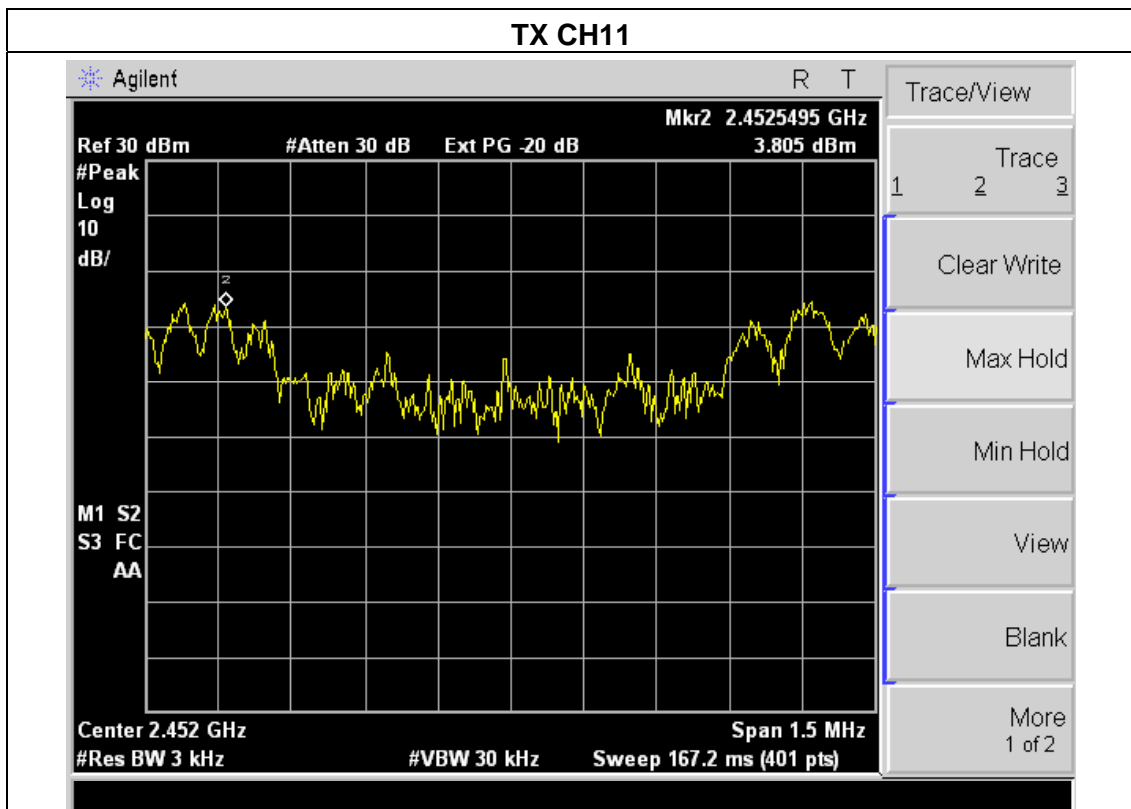
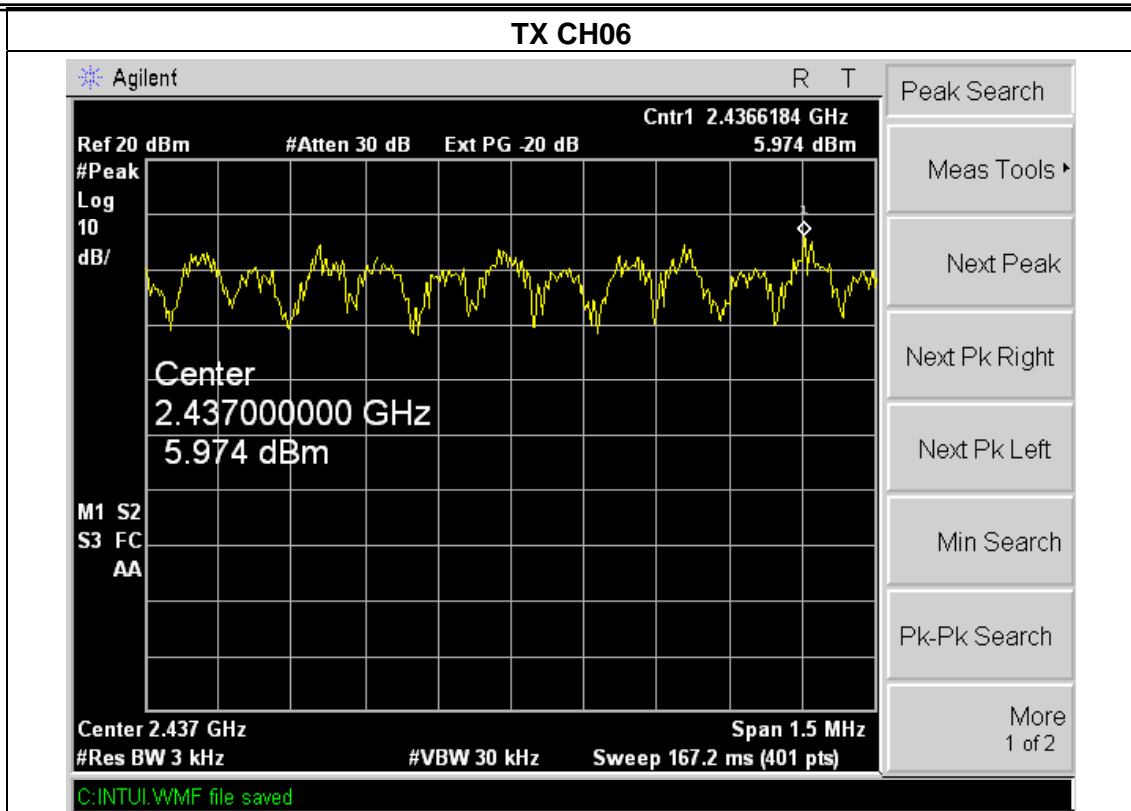




EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1015 hPa	Test Voltage :	DC 12V
Test Mode :	TX n MODE /CH03, CH06, CH09/40MHz		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	2.992	8	PASS
2437MHz	5.974	8	PASS
2462 MHz	3.805	8	PASS





6. BANDWIDTH TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C& RSS-210 Annex 8				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RB	30 kHz (20dB Bandwidth) / 100 kHz (Channel Separation)
VB	100 kHz (20dB Bandwidth) / 300 kHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

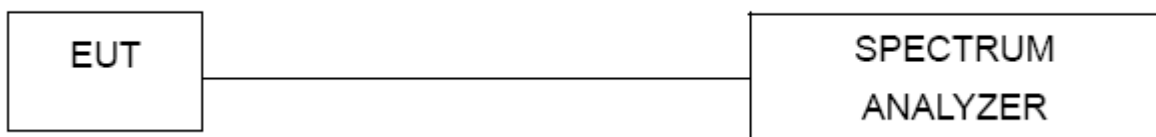
6.1.1 TEST PROCEDURE

- 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.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



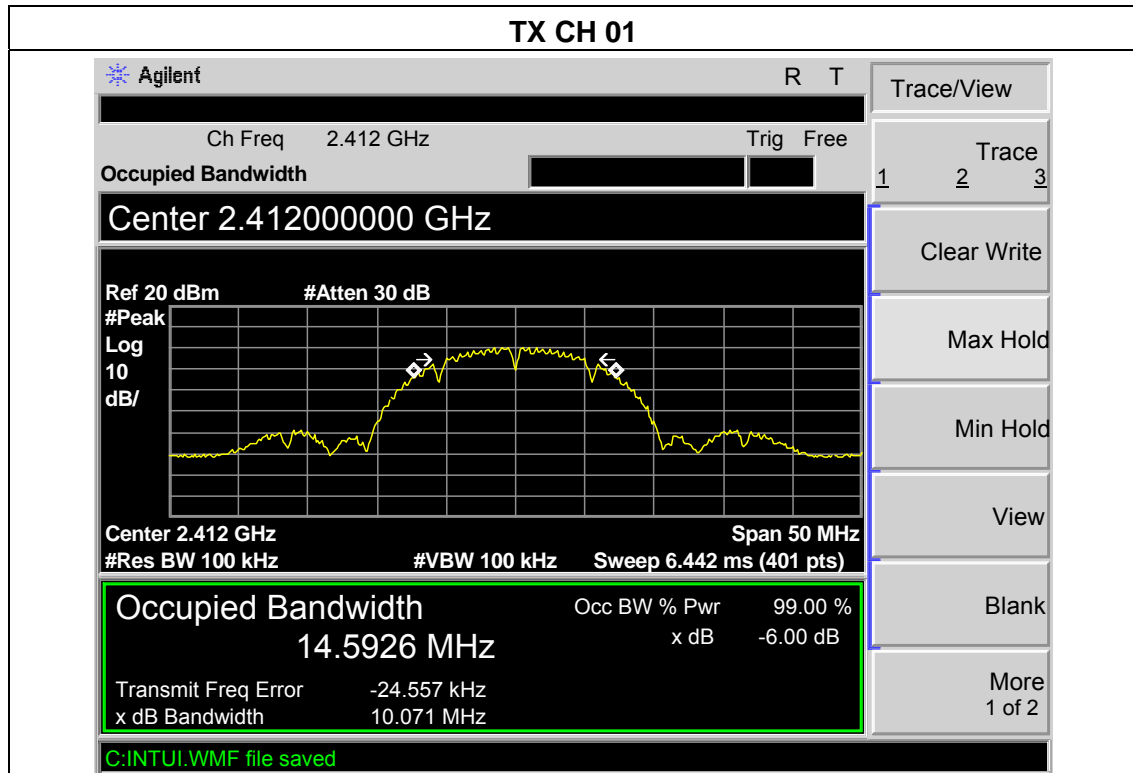
6.1.4 EUT OPERATION CONDITIONS

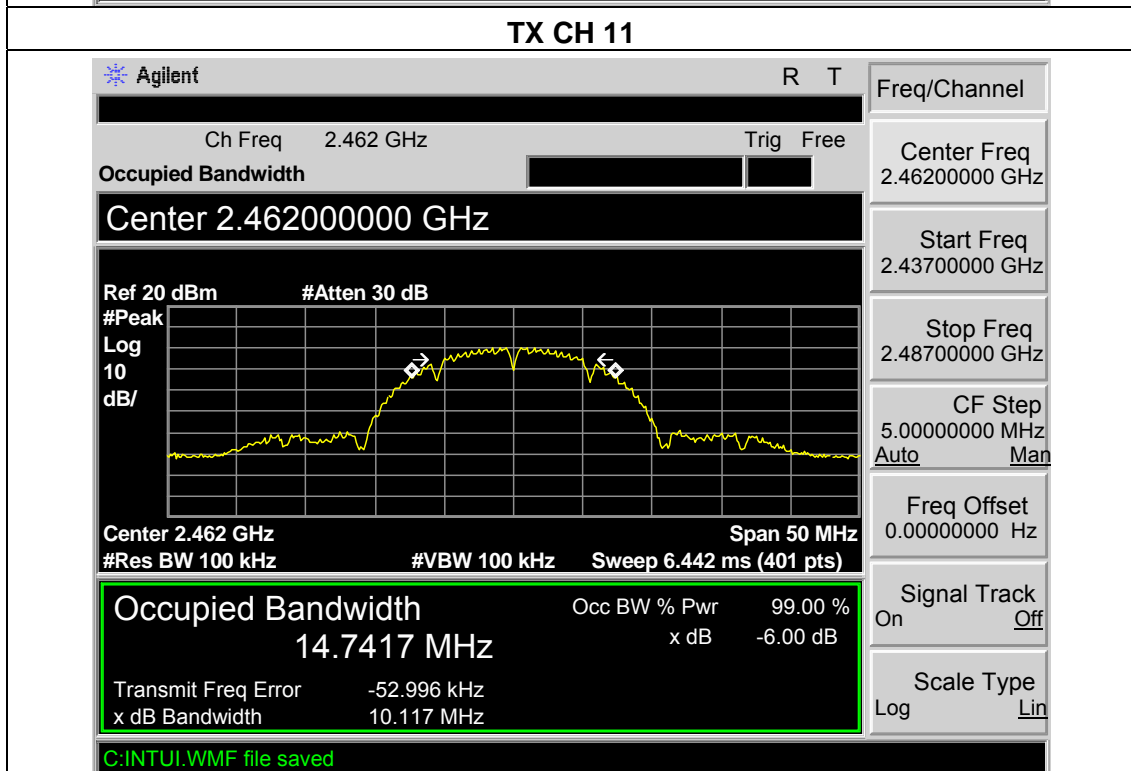
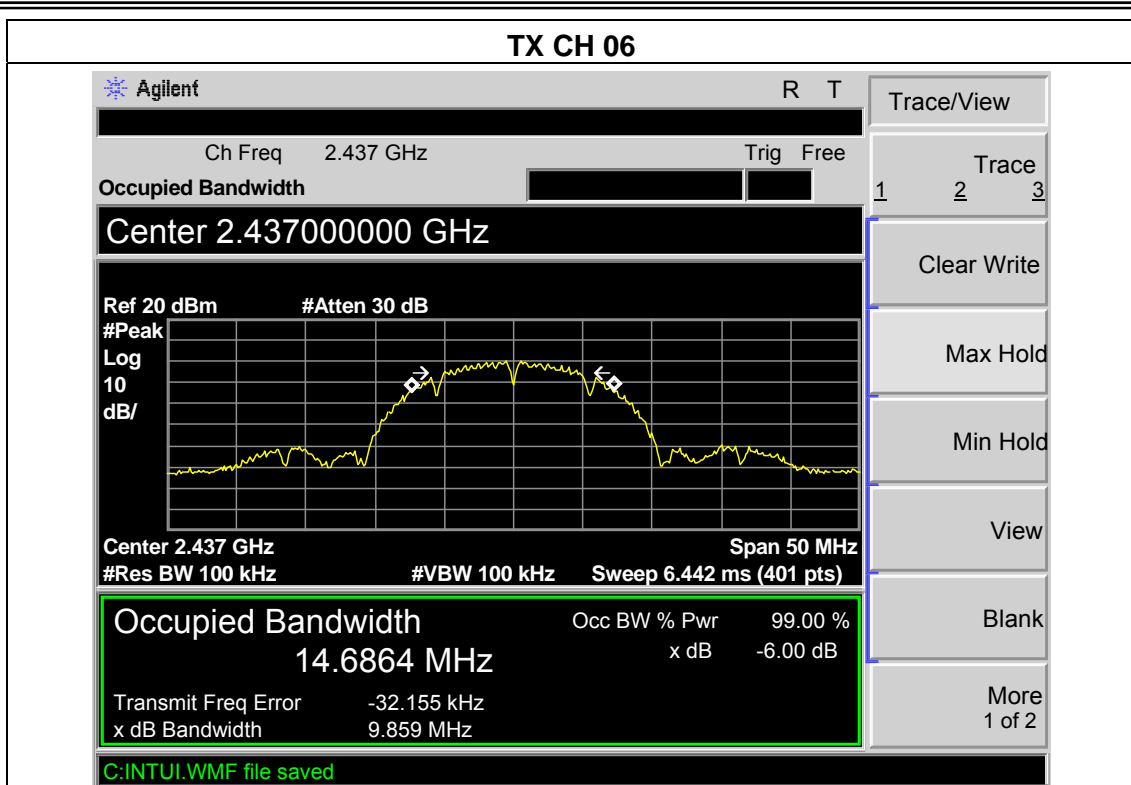
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

6.1.5 TEST RESULTS

EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 12V
Test Mode :	TX B MODE /CH01, CH06, CH11		

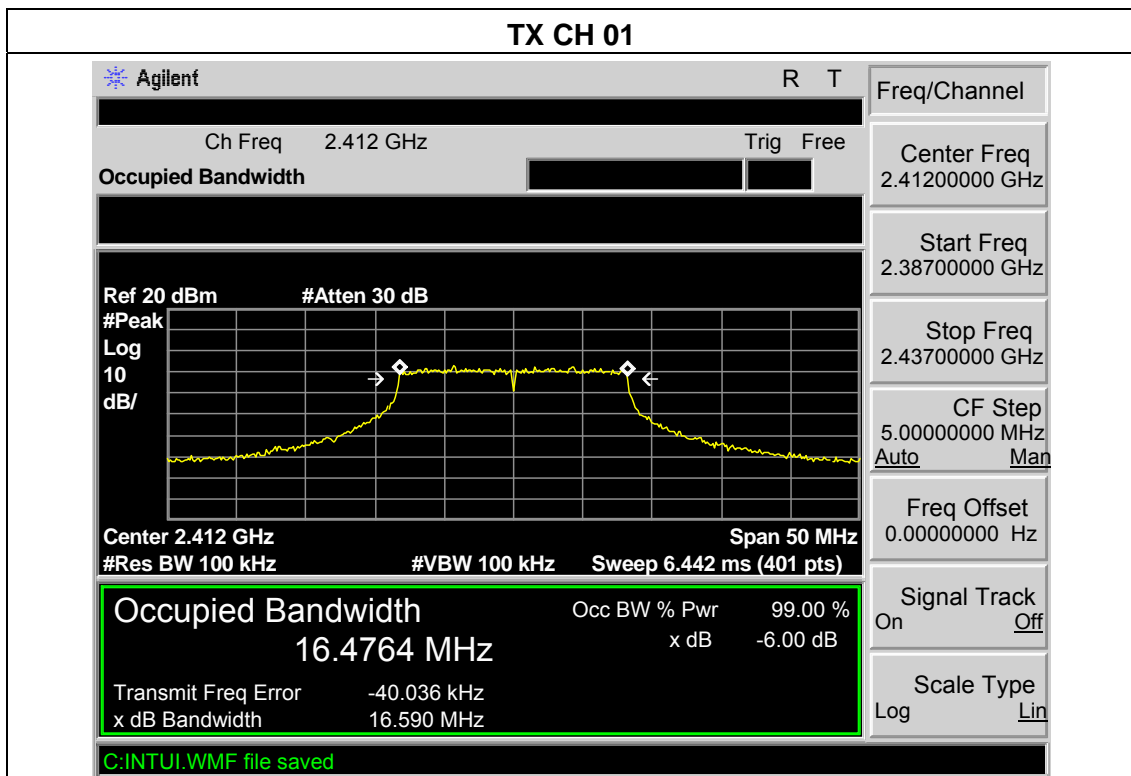
Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2412 MHz	10.07	14.59	>=500KHz	PASS
2437 MHz	9.85	14.68	>=500KHz	PASS
2462 MHz	10.11	14.74	>=500KHz	PASS

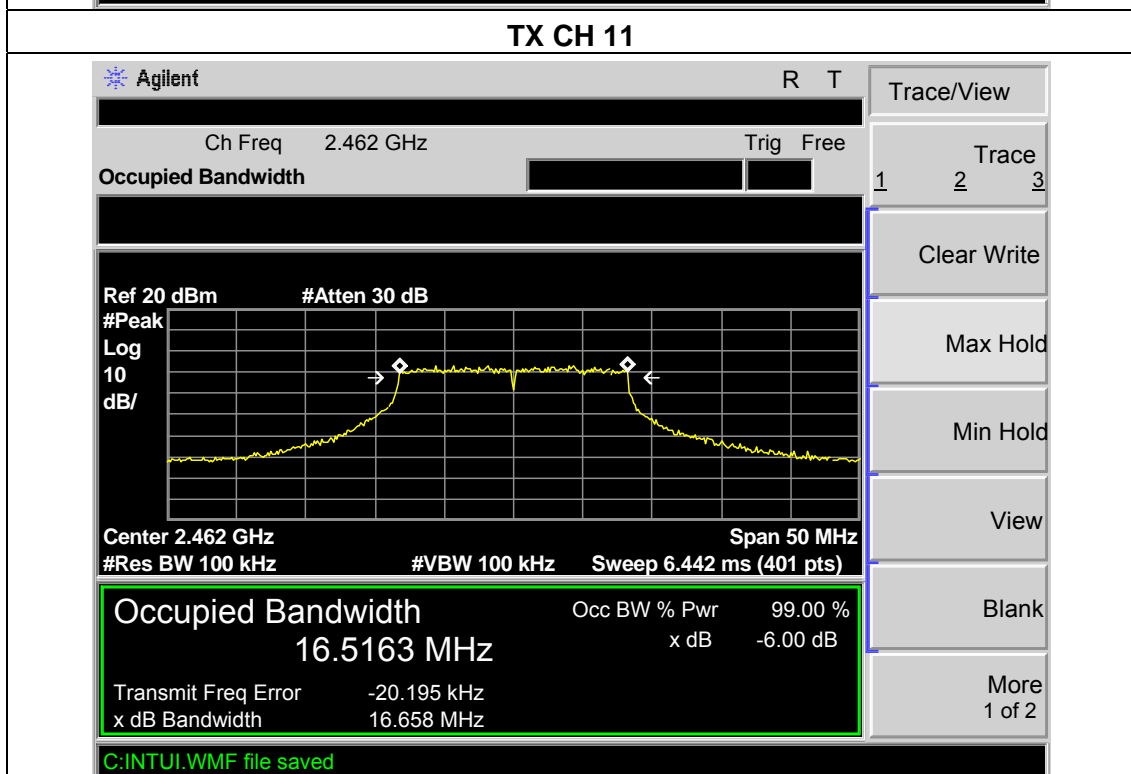
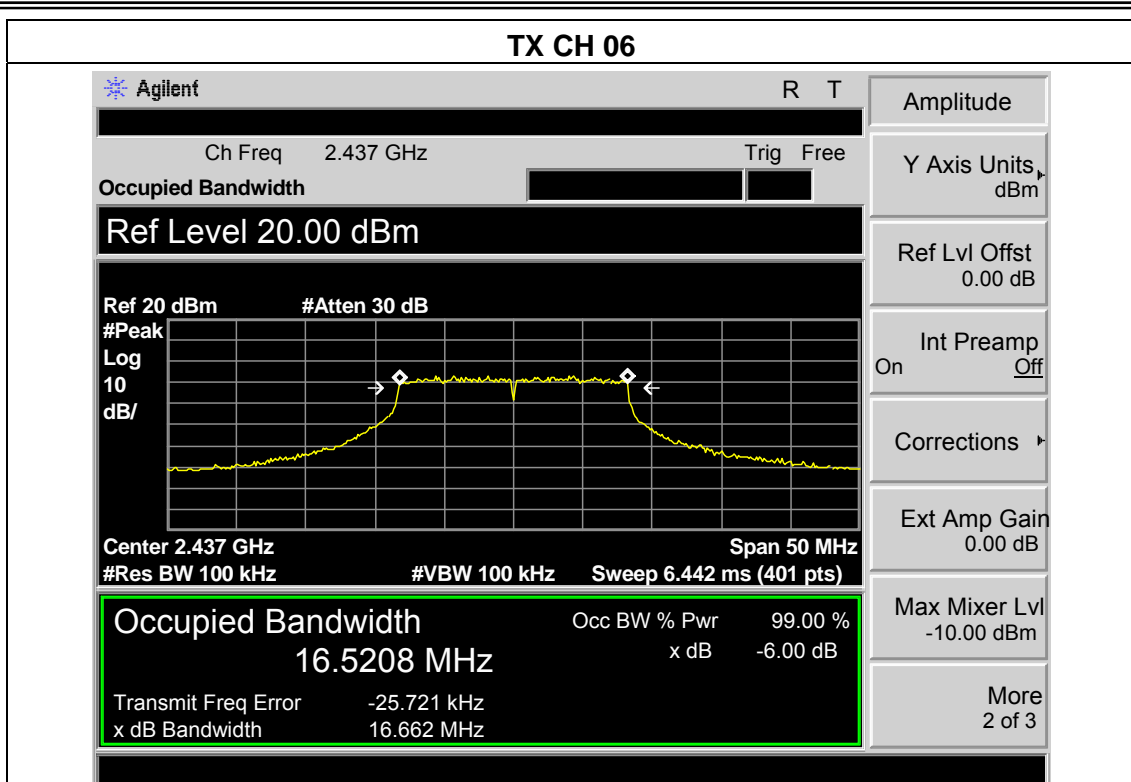




EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 12V
Test Mode :	TX G MODE /CH01, CH06, CH11		

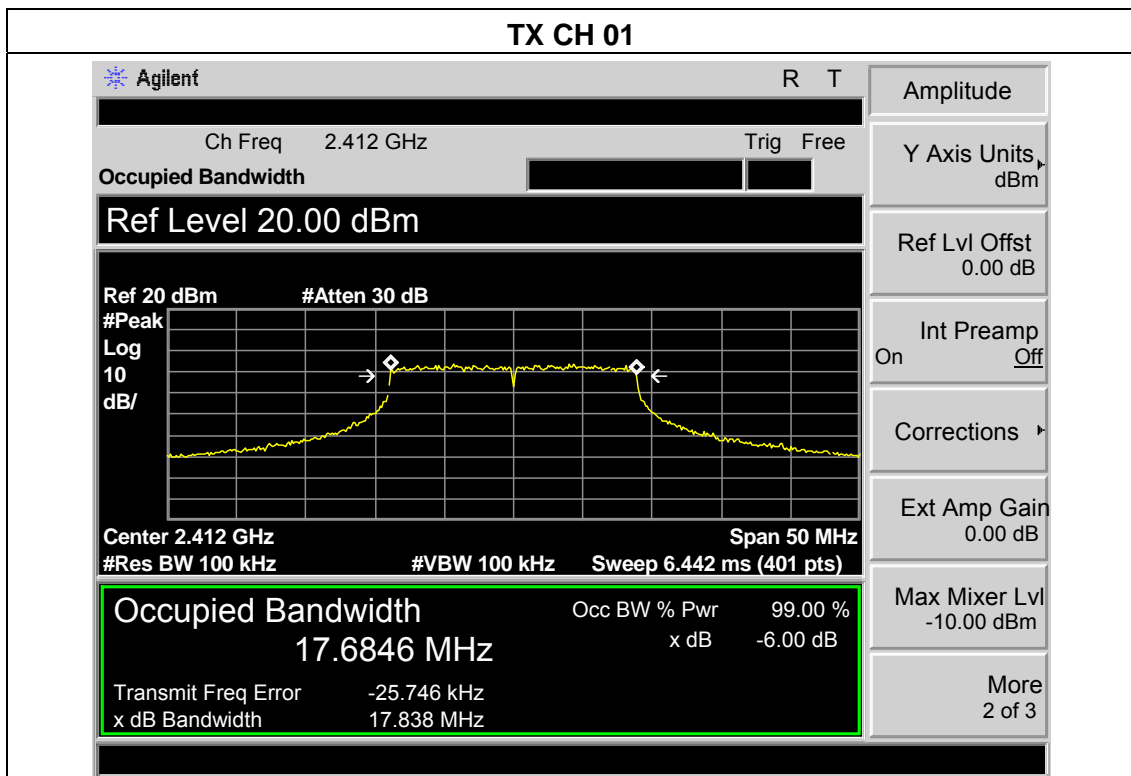
Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2412 MHz	16.59	16.47	>=500KHz	PASS
2437 MHz	16.66	16.52	>=500KHz	PASS
2462 MHz	16.65	16.51	>=500KHz	PASS

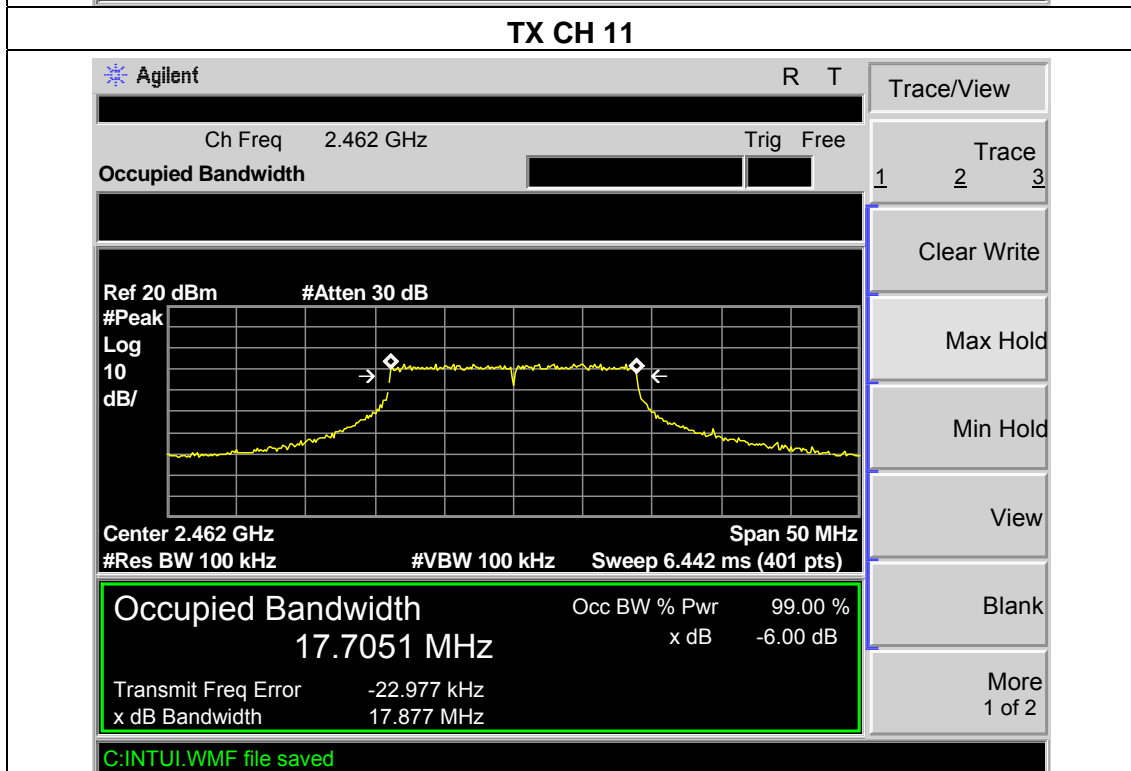
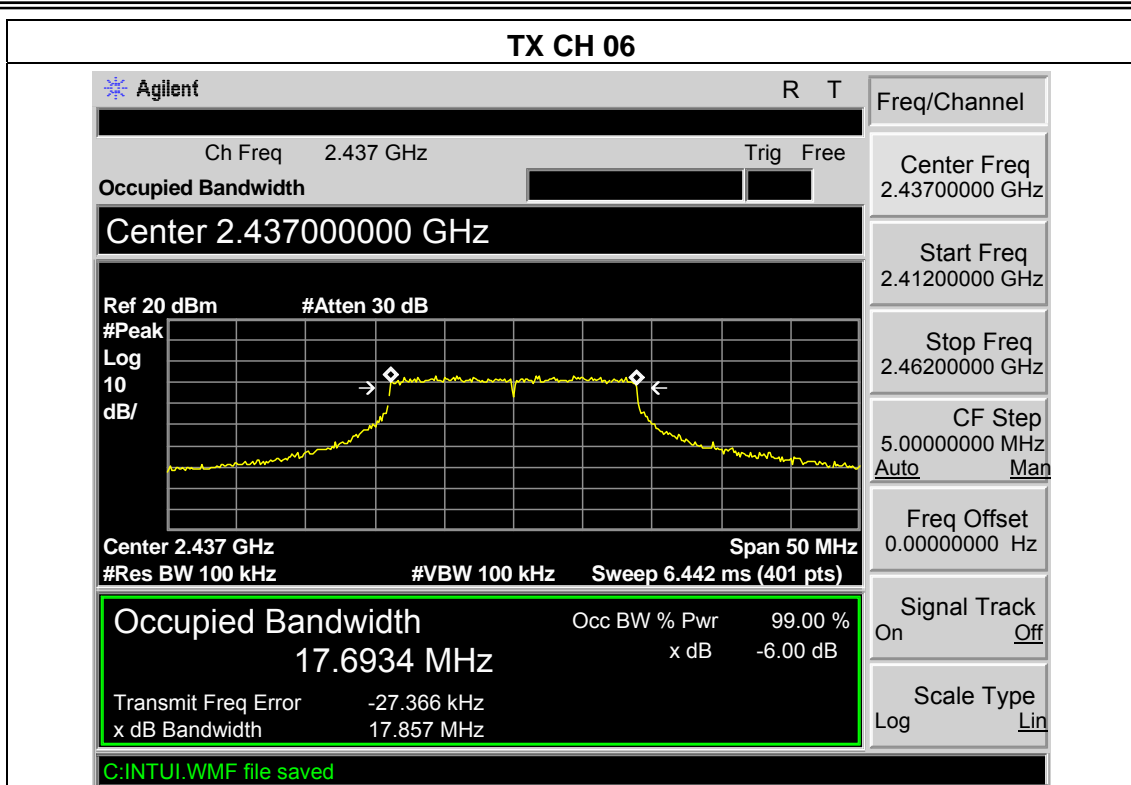




EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 12V
Test Mode :	TX n MODE /CH01, CH06, CH11/20MHz		

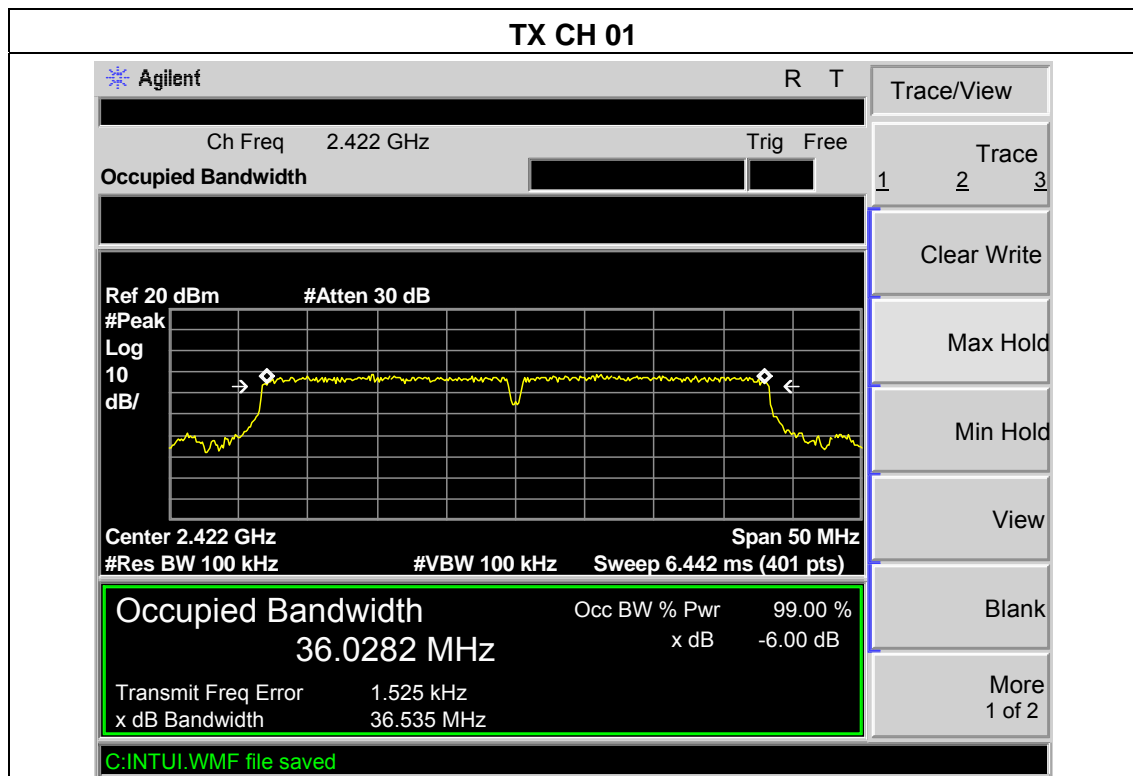
Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2412 MHz	17.83	17.68	>=500KHz	PASS
2437 MHz	17.86	17.69	>=500KHz	PASS
2462 MHz	17.87	17.70	>=500KHz	PASS

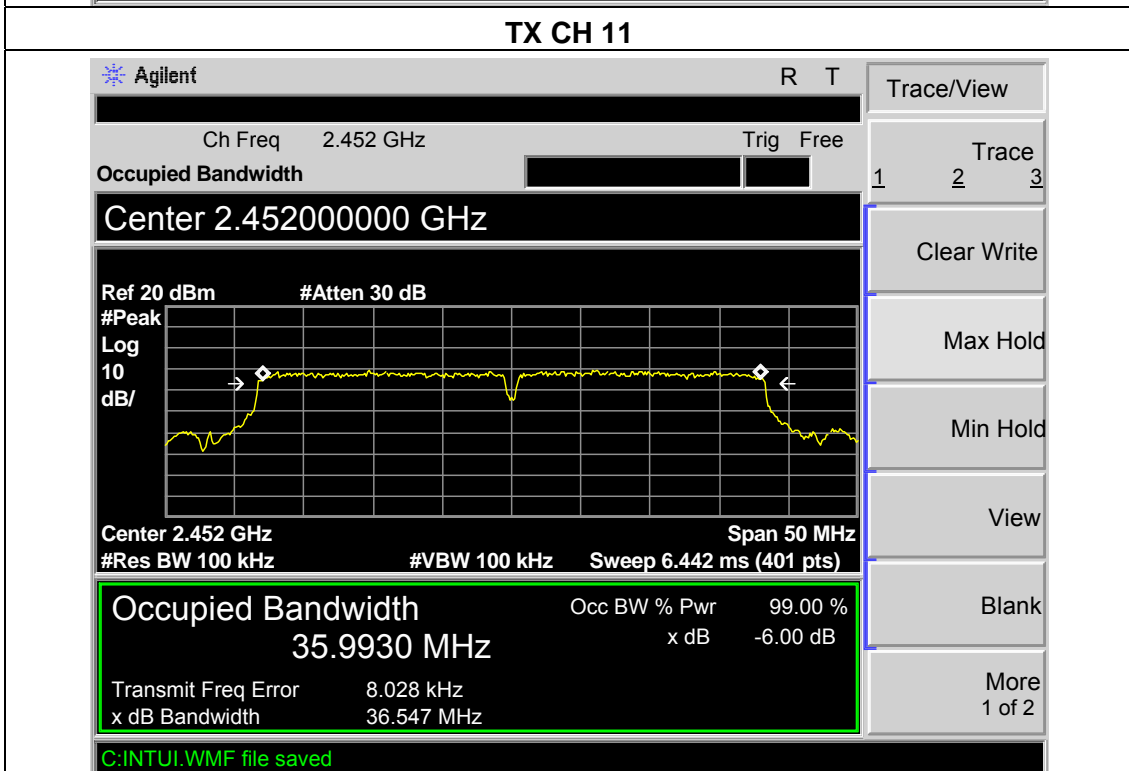
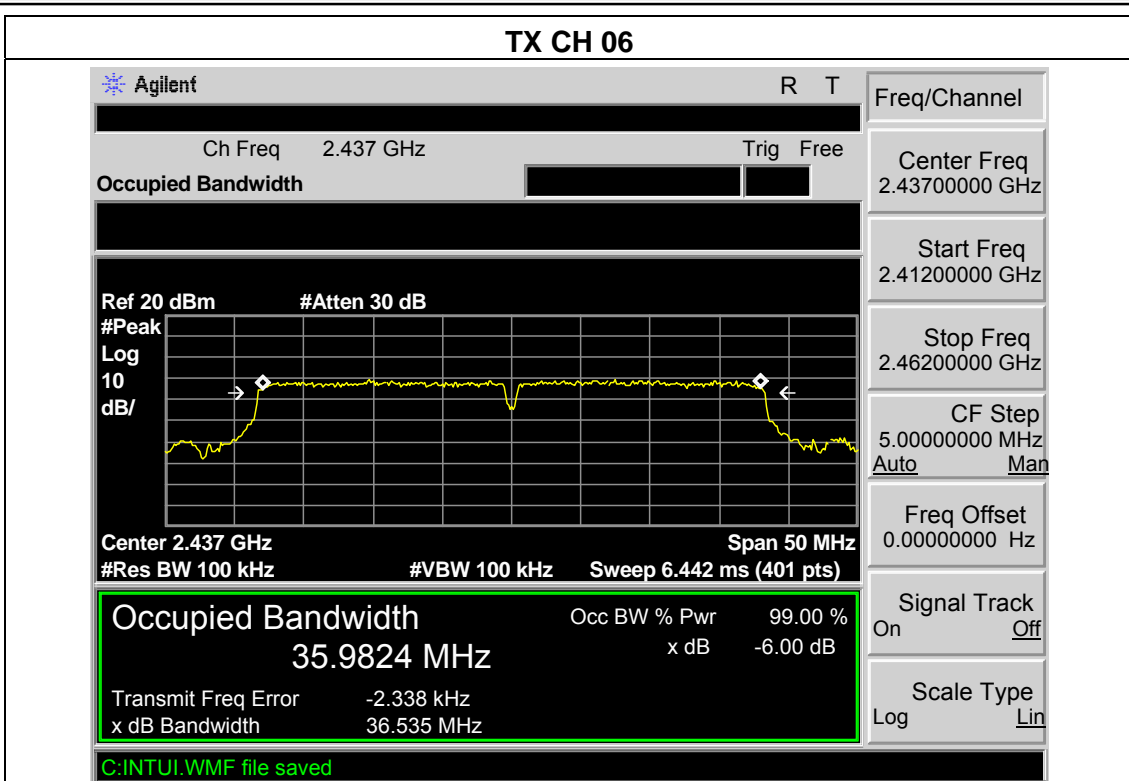




EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 12V
Test Mode :	TX n MODE /CH03, CH06, CH09/40MHz		

Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2412 MHz	36.53	36.02	>=500KHz	PASS
2437 MHz	36.53	35.98	>=500KHz	PASS
2452 MHz	36.54	35.99	>=500KHz	PASS





7. PEAK OUTPUT POWER TEST

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C& RSS-210 Annex 8				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(1)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

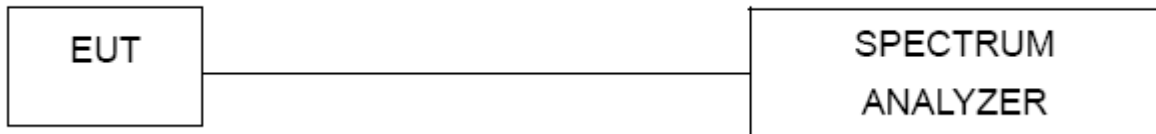
7.1.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer.

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

7.1.5 TEST RESULTS

EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 12V
Test Mode :	TX B MODE /CH01, CH06, CH11		

Test Channel	Frequency	Peak output power. Antenna B	Antenna Gain A(B)	Max. Power	LIMIT
	(MHz)	dBm	dBi	dBm	dBm
CH01	2412	14.87	5	19.87	30
CH06	2437	13.66	5	18.66	30
CH11	2462	13.67	5	18.67	30

EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 12V
Test Mode :	TX G MODE /CH01, CH06, CH11		

Test Channel	Frequency	Peak output power. Antenna B	Antenna Gain A(B)	Max. Power	LIMIT
	(MHz)	dBm	dBi	dBm	dBm
CH01	2412	14.56	5	19.56	30
CH06	2437	14.36	5	19.36	30
CH11	2462	13.65	5	18.65	30

EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 12V
Test Mode :	TX N MODE /CH01, CH06, CH11/20MHz		

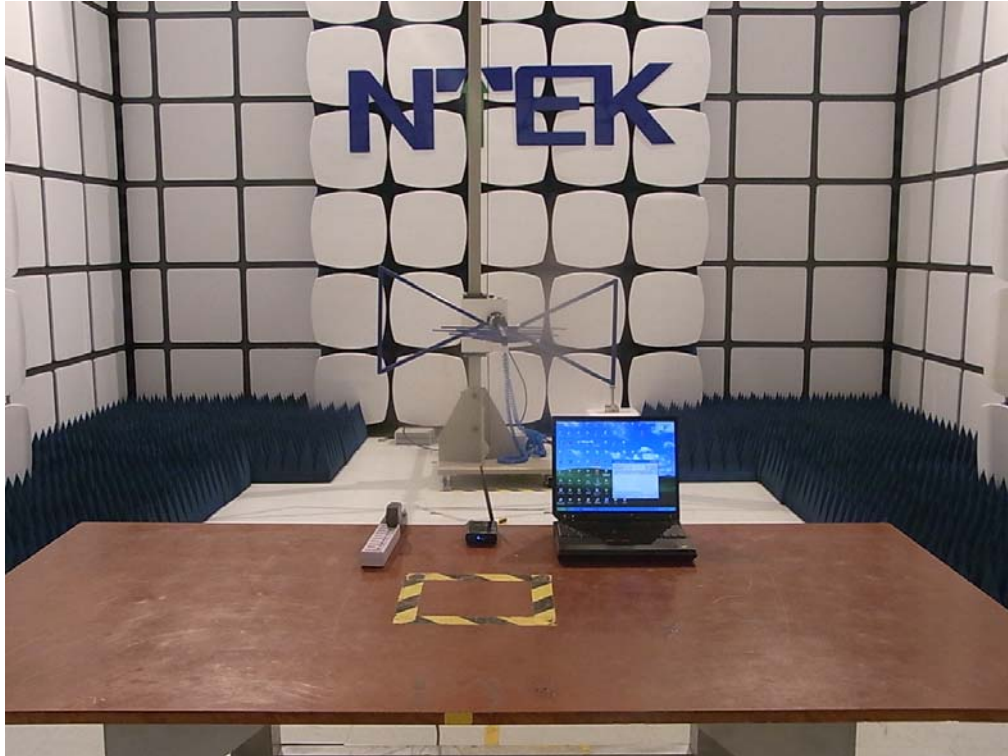
Test Channel	Frequency	Peak output power. Antenna B	Antenna Gain A(B)	Max. Power	LIMIT
	(MHz)	dBm	dBi	dBm	dBm
CH01	2412	15.31	5	20.31	30
CH06	2437	15.42	5	20.42	30
CH11	2462	15.68	5	20.68	30

EUT :	802.11b/g/n AP/Router	Model Name :	AP121
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1012 hPa	Test Voltage :	DC 12V
Test Mode :	TX N MODE /CH03, CH06, CH09/40MHz		

Test Channel	Frequency	Peak output power. Antenna A(B)	Antenna Gain A(B)	Max. Power	LIMIT
	(MHz)	(dBm)	dBi	dBm	dBm
CH03	2422	15.89	5	20.89	30
CH06	2437	15.78	5	20.78	30
CH09	2452	16.11	5	21.11	30

8. EUT TEST PHOTO

Radiated Measurement Photos



Conducted Measurement Photos

