

RF - TEST REPORT

Report Number : **64.790.11.04620.01- FCC** Date of Issue: 2012-03-09

Model : NS2

Product Type : Air Monitors

FCC ID : A48-NS2AM

Applicant : Nocs AB

Manufacturer : Hansong (Nanjing) Technology Ltd.

Address : 8 Kangping Road, Jianggning Econ. and Tech. Dev. Zone,
Nanjing, 211100, China

License Holder : Nocs AB

Address : Frejgatan 17, 113 49 Stockholm, Sweden.

Test Result : ☒ Positive ☐ Negative



Total pages including
Appendices : 77

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1. DETAILS ABOUT THE TEST LABORATORY

Details about the Test Laboratory

Company name: Neutron Engineering Inc.
No.3.JinShaGang 1st Road,
ShiXia, DaLang Town,
DongGuan, China

Telephone: 86 769 83183000
Fax: 86 769 83196000

January 24, 2005 File on
Federal Communications Commission
Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046

Registration
Number: 319330

2. DESCRIPTION OF THE EQUIPMENT UNDER TEST

Test Standards	
FCC Part 15 Subpart C	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators

Equipment	Air Monitors	
Brand Name	NOCS	
Model Name.	NS2	
OEM Brand/Model Name	N/A	
Model Difference	N/A	
Product Description	The EUT is a wireless speaker which designed to offer a simple and convenient AirPlay solution.	
	Product Type	Air Monitors
	Operation Frequency:	2400~2483.5 MHz
	modulation Type:	802.11b: DSSS(CCK/QPSK/BPSK) 802.11g: OFDM(BPSK/QPSK/16QAM/64QAM)
	Date rate:	802.11b :1M/2M/5.5M/11M bps 802.11g :6M/9M/12M/18M/24M/36M/48M/54M bps
	Number Of Channel	11CH .Please see note 2.
	Antenna Designation:	Coaxial-cable
	Antenna Gain(Peak)	2 dBi max.
	Output Power:	17.04dBm(conducted)
	More details of EUT technical specification. Please refer to the User's Manual.	
Channel List	Please refer to the Note 2.	
Power Source	100-240VAC, 50/60Hz	
Power Rating	70W	
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.

Frequency Band	Channel No.	Frequency
2400~2483.5MHz	1	2412 MHz
	2	2417 MHz
	3	2422 MHz
	4	2427 MHz
	5	2432 MHz
	6	2437MHz
	7	2442 MHz
	8	2447 MHz
	9	2452 MHz
	10	2457 MHz
	11	2462 MHz

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Coaxial-cable	N/A	2

3. SUMMARY OF TEST RESULTS

Technical Requirements			
Transmit mode			
Test Items	Test Result		
	Pass	Fail	N/A
15.247(b)(4) Antenna Requirement	☒	☐	☐
15.207 Conducted Emission AC Power Port	☒	☐	☐
15.247 (a)(2) 6dB Bandwidth	☒	☐	☐
15.247(b)(3) Maximum Peak Output Power	☒	☐	☐
15.247(e) Peak Power Spectral Density	☒	☐	☐
15.209 &15.247(d) Conducted Spurious Emission (30MHz to 25GHz)	☒	☐	☐
15.247 (d) &15.205 Band Edges Measurement	☒	☐	☐
15.209 &15.247(d) Radiated Spurious Emission (30MHz to 25GHz)	☒	☐	☐

4. GENERAL REMARKS

This submittal(s) (test report) is intended for

FCC ID:A48-NS2AM

filing to comply with

- Section 15.205, 15.207, 15.209, 15.247 of the FCC Part 15, Subpart C Rules. Tests have been carried out in accordance with FCC rules Part 15 Subpart C, ANSI C63.4 (2009), Public Notice DA 00-705 and DTS procedures KDB 558074.

SUMMARY:

All tests according to the regulations cited on page 7 were

☒ - Performed

☐ - **Not** Performed

The Equipment Under Test

☒ - **Fulfills** the general approval requirements.

☐ - **Does not** fulfill the general approval requirements.

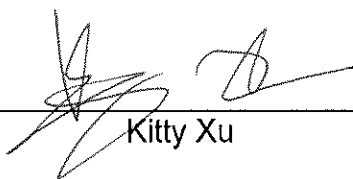
Testing Start Date: 2011-12-28

Testing End Date: 2012-02-26

- JIANGSU TÜV PRODUCT SERVICE LTD. GUANGZHOU BRANCH-

Reviewed by:

Prepared by:



Kitty Xu



Celia Xiang

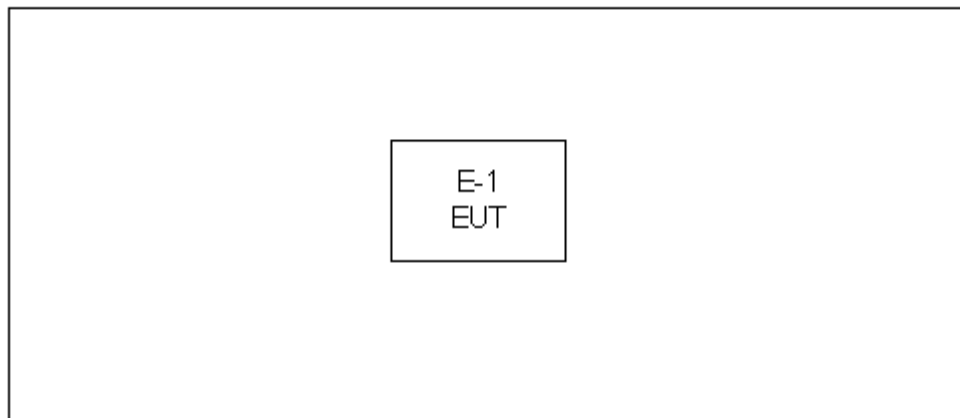
5. DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based 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	Transmitting in 802.11b/g mode at 2412MHz with different data rate.
Mode 2	Transmitting in 802.11b/g mode at 2437MHz with different data rate.
Mode 3	Transmitting in 802.11b/g mode at 2462MHz with different data rate.

Final Test Mode	Description
Mode 1	Transmitting in 802.11b mode at 2412MHz with data rate is 1Mbps.
Mode 2	Transmitting in 802.11g mode at 2412MHz with data rate is 6Mbps.
Mode 3	Transmitting in 802.11b mode at 2437MHz with data rate is 1Mbps.
Mode 4	Transmitting in 802.11g mode at 2437MHz with data rate is 6Mbps.
Mode 5	Transmitting in 802.11b mode at 2462MHz with data rate is 1Mbps.
Mode 6	Transmitting in 802.11g mode at 2462MHz with data rate is 6Mbps.

5.1 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



5.2 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

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in m in 『Length』 column.

6. TEST RESULTS

6.1 MEASUREMENT UNCERTAINTY

For a 95% confidence level($k=2$), the measurement expanded uncertainties for defined systems accordance with the recommendations of ISO 17025 as following:

Test item		expanded uncertainty
Conducted emission	Voltage(dBuV)	U= 0.83dB
Bandwidth	Magnitude (%)	U= 0.5%
Maximum peak power	Power (dBm)	U= 0.1dB
Power spectral density	Power (dBm)	U= 0.1dB
Conducted spurious emission and band edge	Power (dBm)	U= 0.1dB
Radiated spurious emission	Filed strength (dBuV/m)	U= 2.61dB(30MH~1GHz) U= 2.6dB(above 1GHz)

6.2 ANTENNA REQUIRMENT

6.1.1 STANDARD REQUIRMENTS

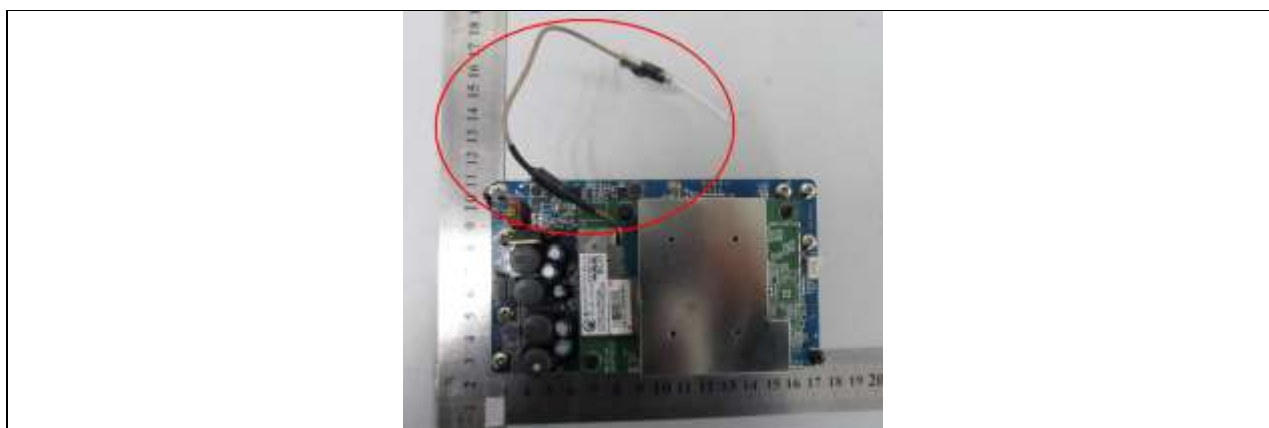
15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

6.1.2 EUT ANTENNA

The max antenna gain of Coaxial-cable antenna for EUT is 2dBi.

6.1.3 ANTENNA PHOTO



6.1.4 RESULT

Complies.

6.3 CONDUCTED EMISSION MEASUREMENT

6.3.1 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 *	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.

6.3.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00052765	May.26.2012
2	LISN	R&S	ENV216	100087	May.26.2012
3	Test Cable	N/A	C_17	N/A	Mar.30.2012
4	EMI TEST RECEIVER	R&S	ESCS30	826547/022	May.26.2012
5	50Ω Terminator	SHX	TF2-3G-A	08122902	May.26.2012

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

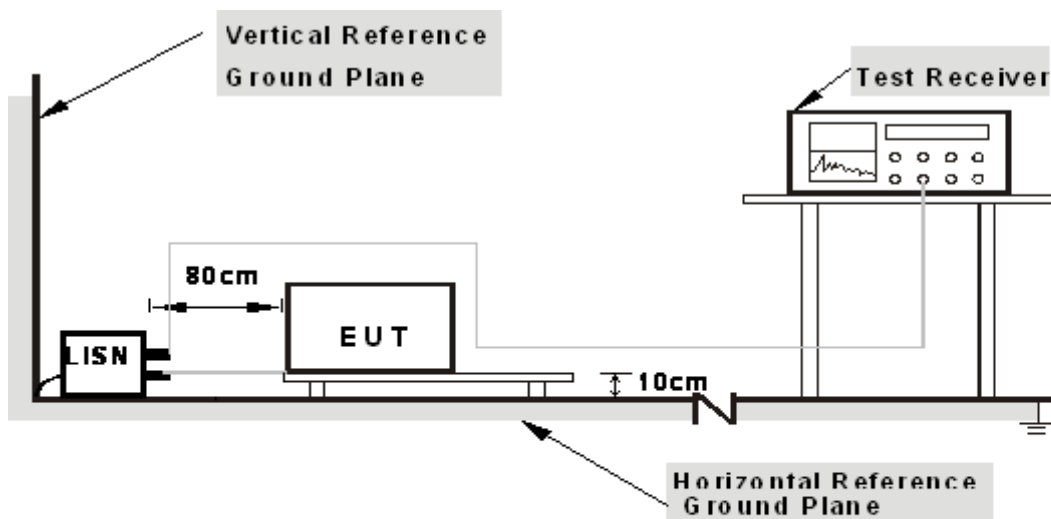
6.3.3 TEST PROCEDURE

- The EUT was placed 0.1 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.

6.3.4 DEVIATION FROM TEST STANDARD

No deviation

6.3.5 TEST SETUP PHOTO



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

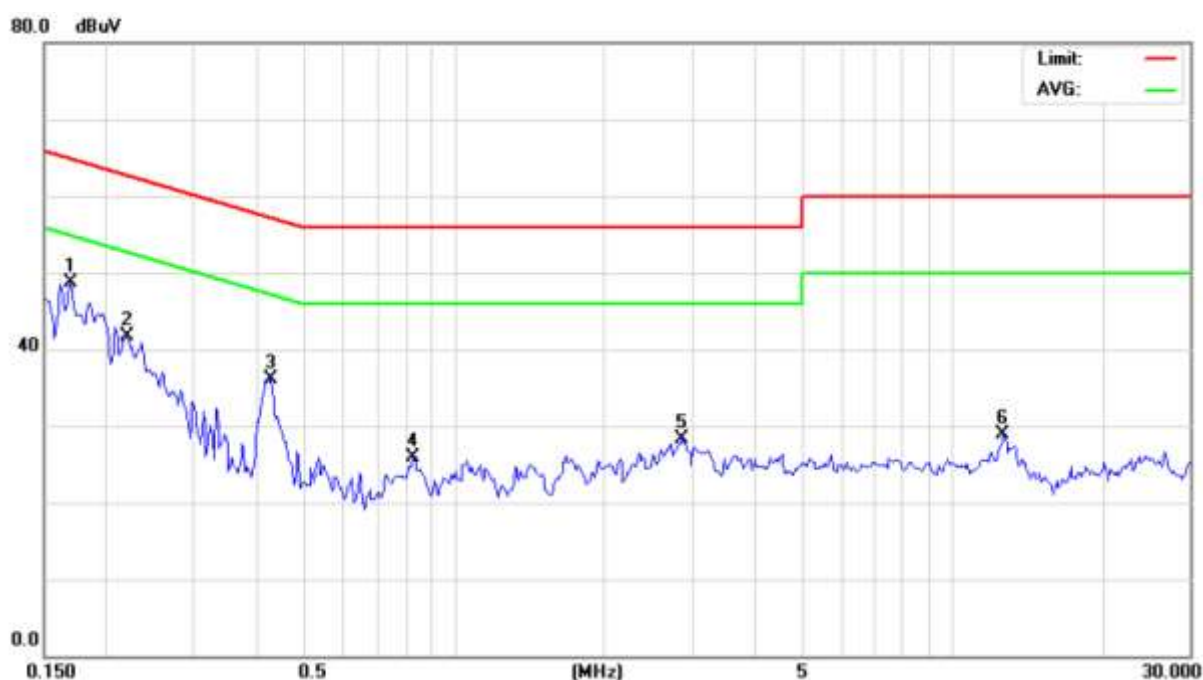
6.3.6 EUT OPERATING CONDITIONS

Test EUT with WIFI function on to play music.

6.3.7 TEST RESULTS

Model Name. :	NS2	Conducted Line/Port:	L
Temperature:	25 °C	Relative Humidity:	50%
Pressure:	1003mBar	Test voltage:	120Vac
Test Mode :	Test EUT with WIFI function on to play music.		

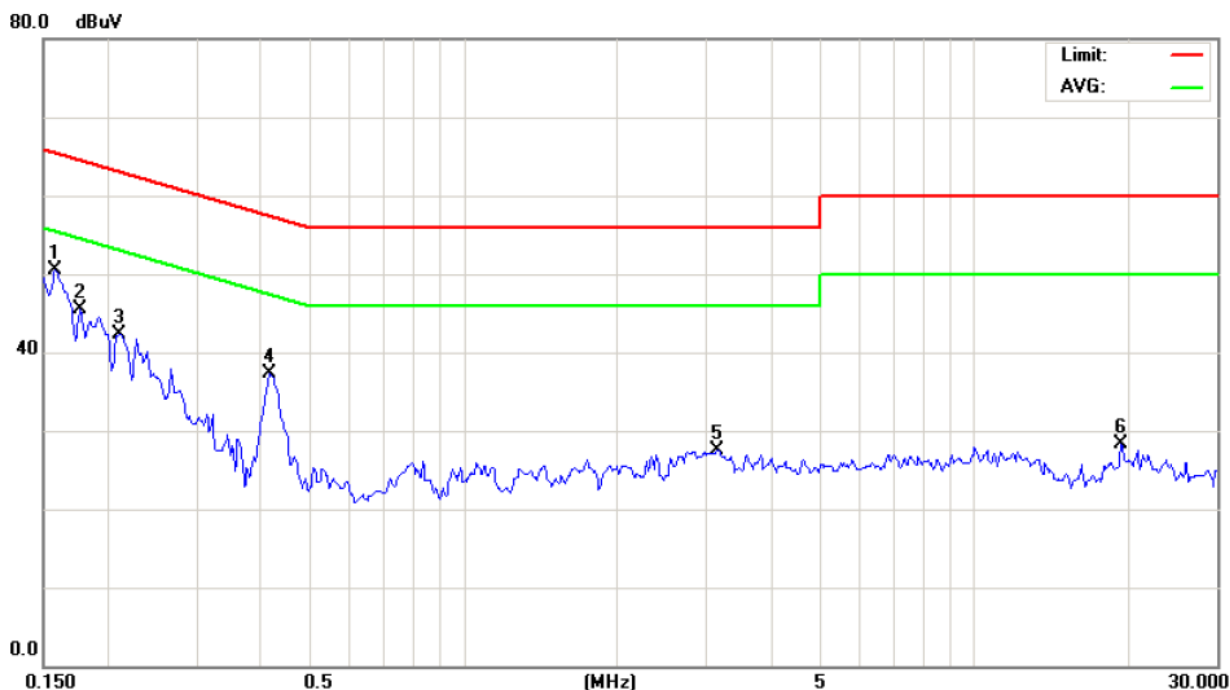
Test data:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1695	39.01	9.79	48.80	64.98	-16.18	peak
2		0.2202	31.83	9.78	41.61	62.81	-21.20	peak
3		0.4282	26.38	9.78	36.16	57.29	-21.13	peak
4		0.8296	16.07	9.79	25.86	56.00	-30.14	peak
5		2.8843	18.40	9.97	28.37	56.00	-27.63	peak
6		12.7147	18.55	10.36	28.91	60.00	-31.09	peak

Model Name. :	NS2	Conducted Line/Port:	N
Temperature:	25 °C	Relative Humidity:	50%
Pressure:	1003mBar	Test voltage:	120Vac
Test Mode :	Test EUT with WIFI function on to play music.		

Test data:



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1582	40.77	9.79	50.56	65.56	-15.00	peak
2		0.1773	35.77	9.78	45.55	64.61	-19.06	peak
3		0.2124	32.49	9.78	42.27	63.11	-20.84	peak
4		0.4156	27.49	9.78	37.27	57.54	-20.27	peak
5		3.1562	17.67	9.83	27.50	56.00	-28.50	peak
6		19.4960	17.11	11.29	28.40	60.00	-31.60	peak

6.4 RADIATED EMISSION MEASUREMENT

6.4.1 Radiated Emission Limits (FCC 15.209)

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

Harmonic emissions limits comply with below 54 dBuV/m at 3m. Other emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or comply with the radiated emissions limits specified in section 15.209(a) limit in the table below has to be followed.

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RADIATED EMISSION MEASUREMENT (FCC 15.209)

FREQUENCY (MHz)	(dBuV/m) (at 3m)	
	PEAK	AVERAGE
Above 1000	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).

6.4.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Jun .04.2012
2	Amplifier	HP	8447D	2944A09673	May.26.2012
3	Test Receiver	R&S	ESCI	100382	May.26.2012
4	Test Cable	N/A	C-01_CB03	N/A	Jul.06.2012
5	Controller	CT	SC100	N/A	N/A
6	Antenna	ETS	3115	00075789	May.26.2012
7	Amplifier	Agilent	8449B	3008A02274	May.26.2012
8	Spectrum	Agilent	E4408B	US39240143	Nov.26.2012
9	Test Cable	HUBER+SUHNER	C-45	N/A	May.04.2012

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

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1GHz
Stop Frequency	10th carrier harmonic
RBW / VBW (emission in restricted band)	1 MHz / 1 MHz for Peak, 1MHz/10Hz for average

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

6.4.3 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 3m meter semi-anechoic chamber. 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.

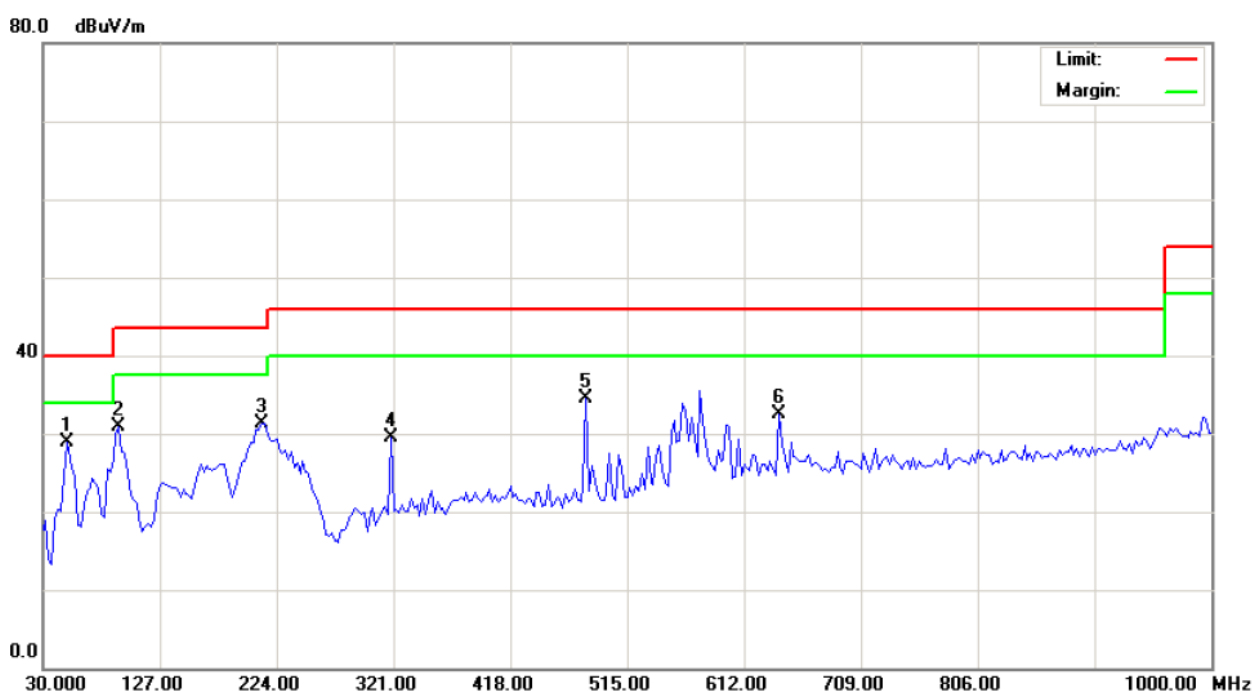
6.4.4 DEVIATION FROM TEST STANDARD

No deviation

6.4.7 TEST RESULTS

Below 1GHz:

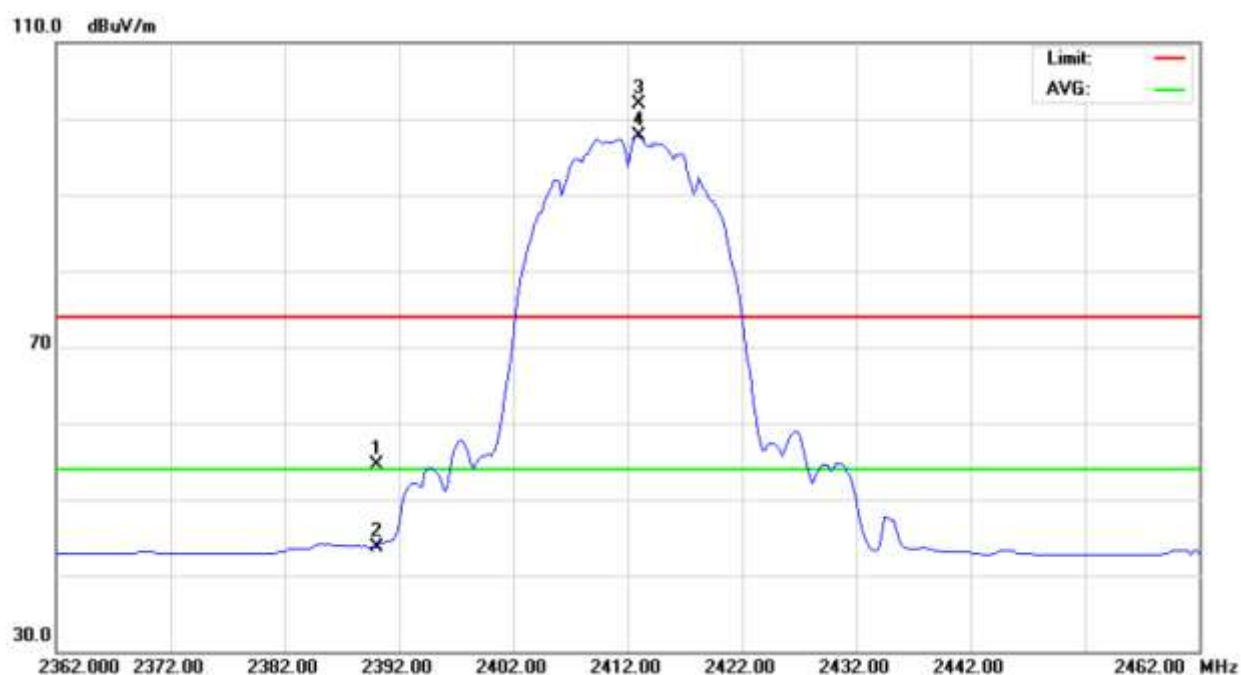
Model:	NS2	Result:	PASS
Temperature:	23°C	Relative Humidity:	51 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11b/2412MHz)	Antenna polarity:	Vertical



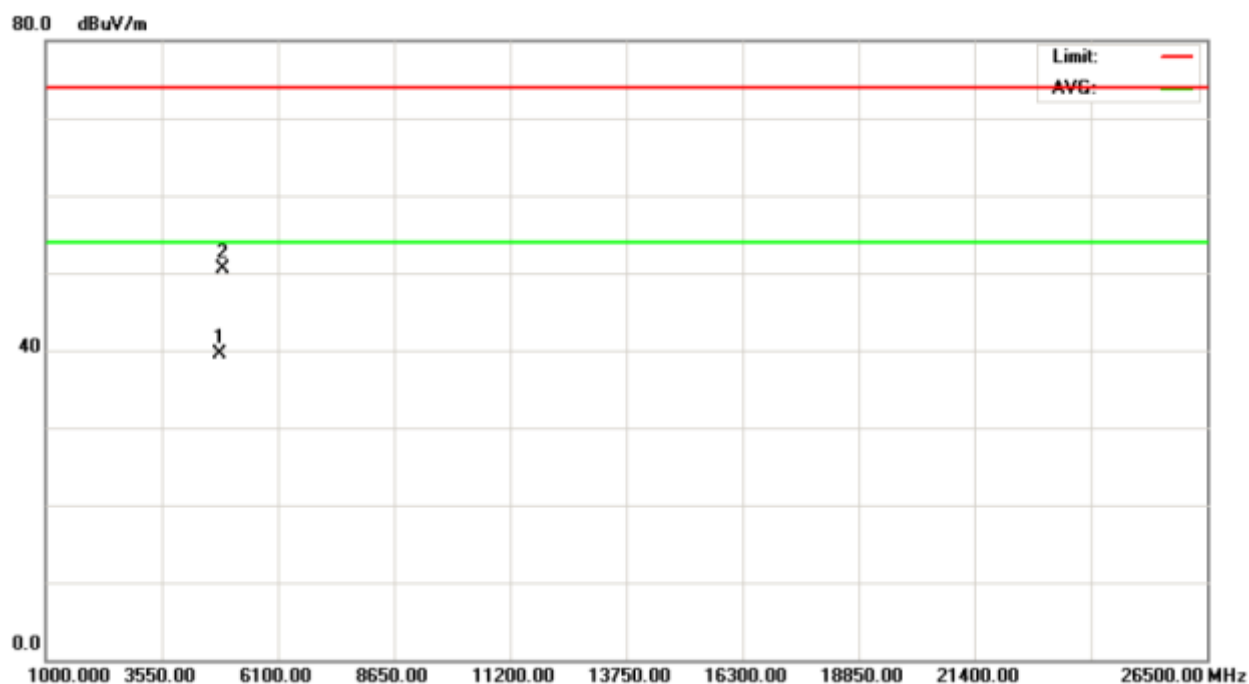
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	49.4000	46.15	-17.27	28.88	40.00	-11.12	peak
2		93.0500	49.64	-18.71	30.93	43.50	-12.57	peak
3		211.8750	47.56	-16.22	31.34	43.50	-12.16	peak
4		318.5750	41.09	-11.61	29.48	46.00	-16.52	peak
5		481.0500	42.16	-7.64	34.52	46.00	-11.48	peak
6		641.1000	35.97	-3.51	32.46	46.00	-13.54	peak

Above 1GHz:

Model:	NS2	Result:	PASS
Temperature:	25°C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11b/2412MHz)	Antenna polarity:	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		2390.000	22.52	31.91	54.43	74.00	-19.57	peak
2		2390.000	11.88	31.91	43.79	54.00	-10.21	AVG
3	X	2413.000	70.12	31.88	102.00	74.00	28.00	peak
4	*	2413.000	65.79	31.88	97.67	54.00	43.67	AVG



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	*	4823.950	34.24	5.29	39.53	54.00	-14.47	AVG
2		4831.080	45.26	5.31	50.57	74.00	-23.43	peak

Below 1GHz:

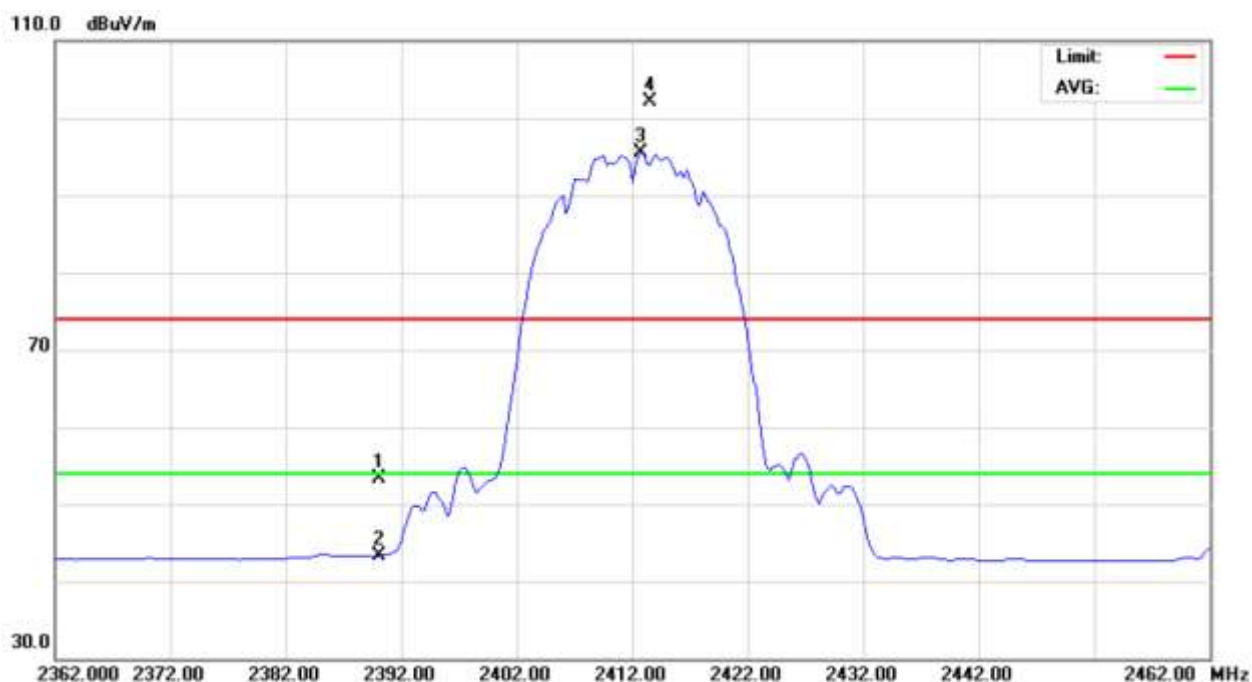
Model:	NS2	Result:	PASS
Temperature:	23°C	Relative Humidity:	51 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11b/2412MHz)	Antenna polarity:	Horizontal



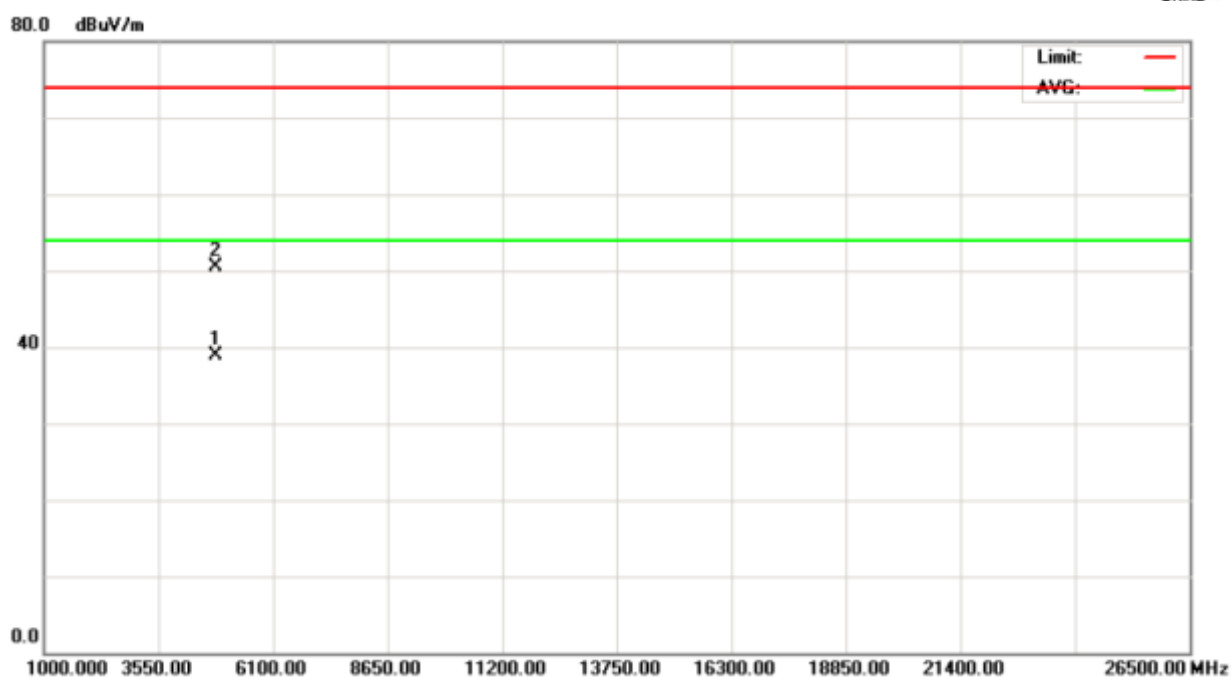
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		146.4000	43.93	-17.63	26.30	43.50	-17.20	peak
2	*	214.3000	50.62	-16.11	34.51	43.50	-8.99	peak
3		318.5750	47.51	-11.61	35.90	46.00	-10.10	peak
4		461.6500	35.04	-7.93	27.11	46.00	-18.89	peak
5		481.0500	43.22	-7.64	35.58	46.00	-10.42	peak
6		561.0750	41.76	-5.22	36.54	46.00	-9.46	peak

Above 1GHz:

Model:	NS2	Result:	PASS
Temperature:	25°C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11b/2412MHz)	Antenna polarity:	Horizontal



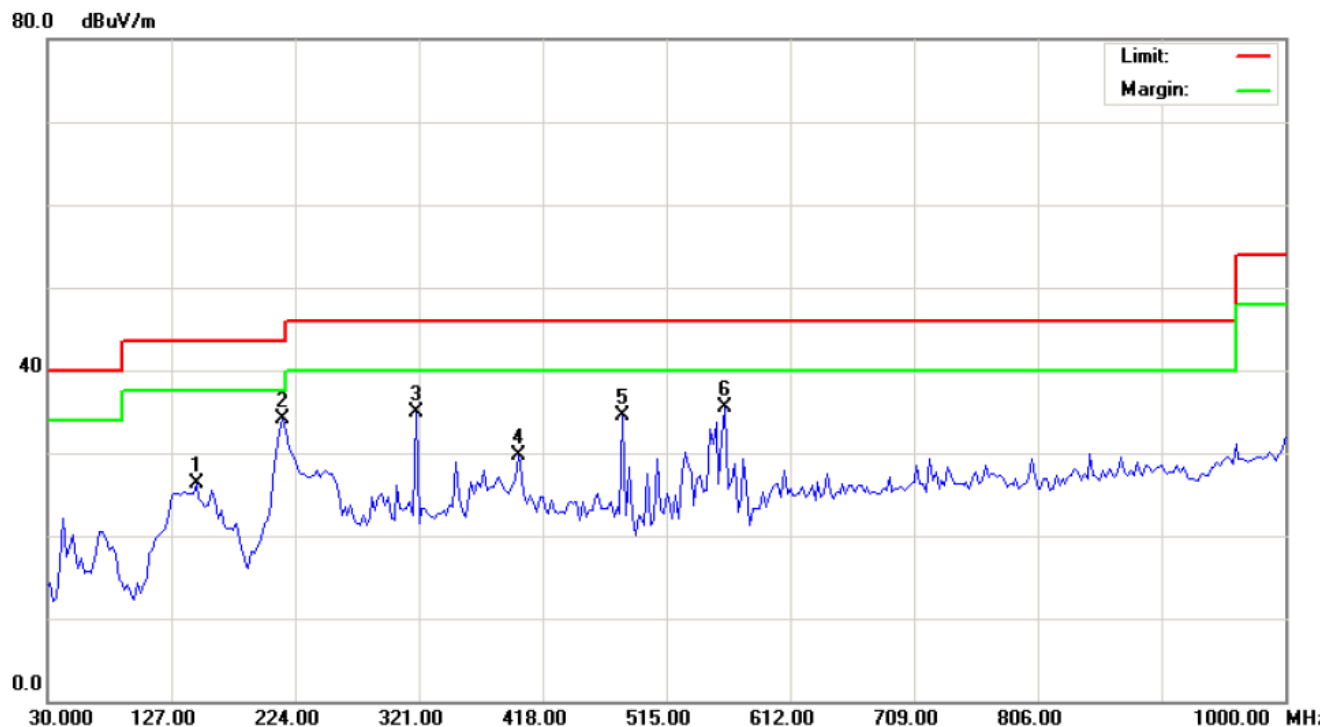
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	21.32	31.91	53.23	74.00	-20.77	peak
2		2390.000	11.31	31.91	43.22	54.00	-10.78	AVG
3	*	2412.750	63.53	31.88	95.41	54.00	41.41	AVG
4	X	2413.500	70.19	31.88	102.07	74.00	28.07	peak



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	4823.850	33.64	5.29	38.93	54.00	-15.07	AVG
2		4824.275	45.16	5.29	50.45	74.00	-23.55	peak

Below 1GHz:

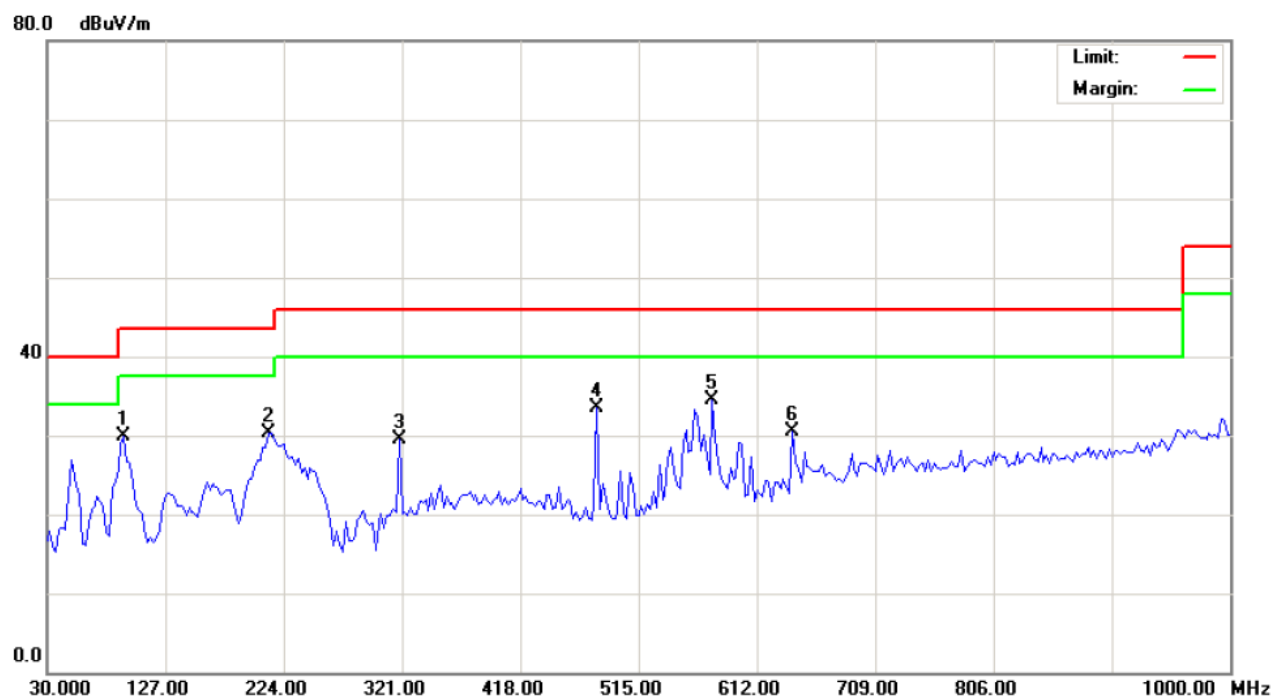
Model:	NS2	Result:	PASS
Temperature:	23°C	Relative Humidity:	51 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11b/2437MHz)	Antenna polarity:	Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		146.4000	43.93	-17.63	26.30	43.50	-17.20	peak
2	*	214.3000	50.12	-16.11	34.01	43.50	-9.49	peak
3		318.5750	46.51	-11.61	34.90	46.00	-11.10	peak
4		398.6000	38.74	-9.07	29.67	46.00	-16.33	peak
5		481.0500	42.22	-7.64	34.58	46.00	-11.42	peak
6		561.0750	40.76	-5.22	35.54	46.00	-10.46	peak

Below 1GHz:

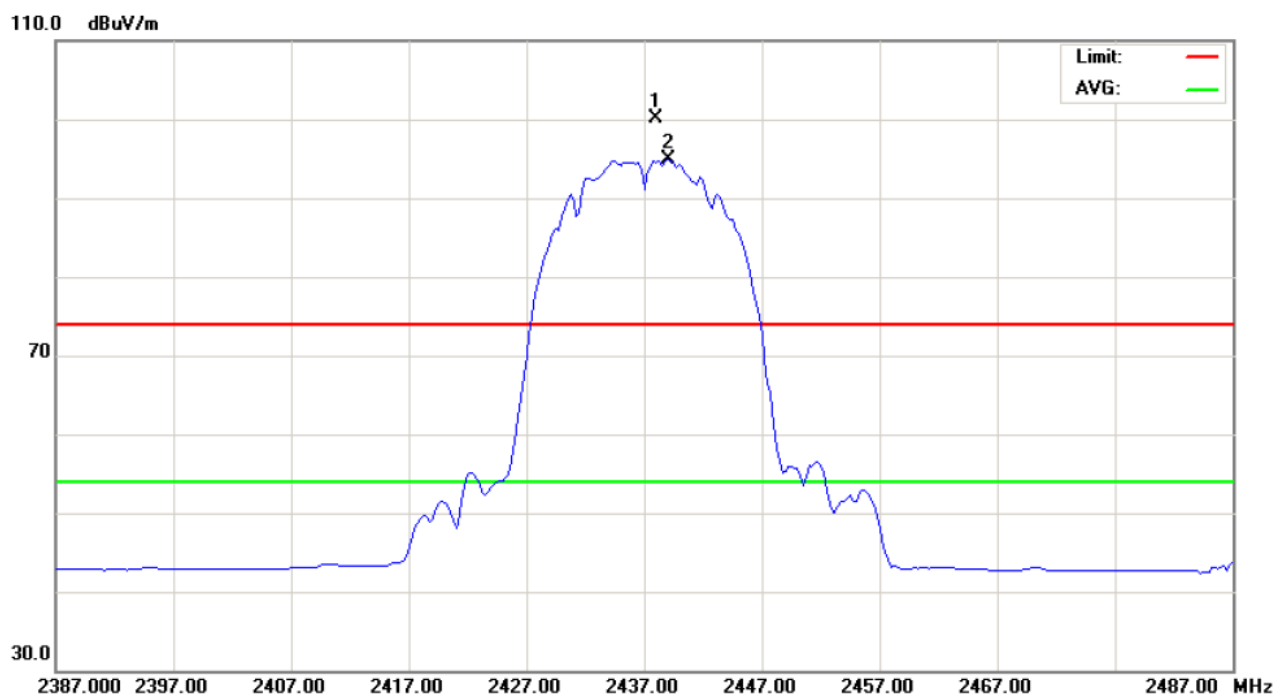
Model:	NS2	Result:	PASS
Temperature:	23°C	Relative Humidity:	51 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11b/2437MHz)	Antenna polarity:	Vertical



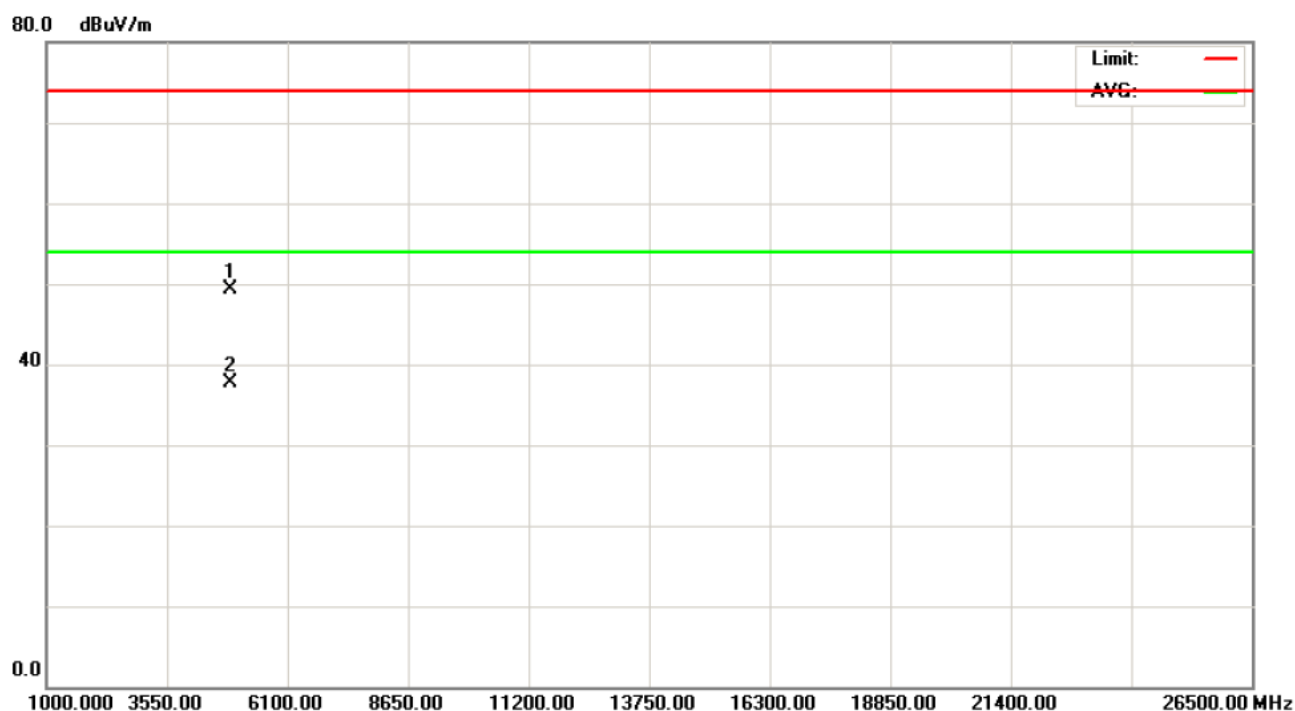
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		93.0500	48.64	-18.71	29.93	43.50	-13.57	peak
2		211.8750	46.56	-16.22	30.34	43.50	-13.16	peak
3		318.5750	41.09	-11.61	29.48	46.00	-16.52	peak
4		481.0500	41.16	-7.64	33.52	46.00	-12.48	peak
5	*	575.6250	39.36	-4.87	34.49	46.00	-11.51	peak
6		641.1000	33.97	-3.51	30.46	46.00	-15.54	peak

Above 1GHz:

Model:	NS2	Result:	PASS
Temperature:	25°C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11b/2437MHz)	Antenna polarity:	Horizontal



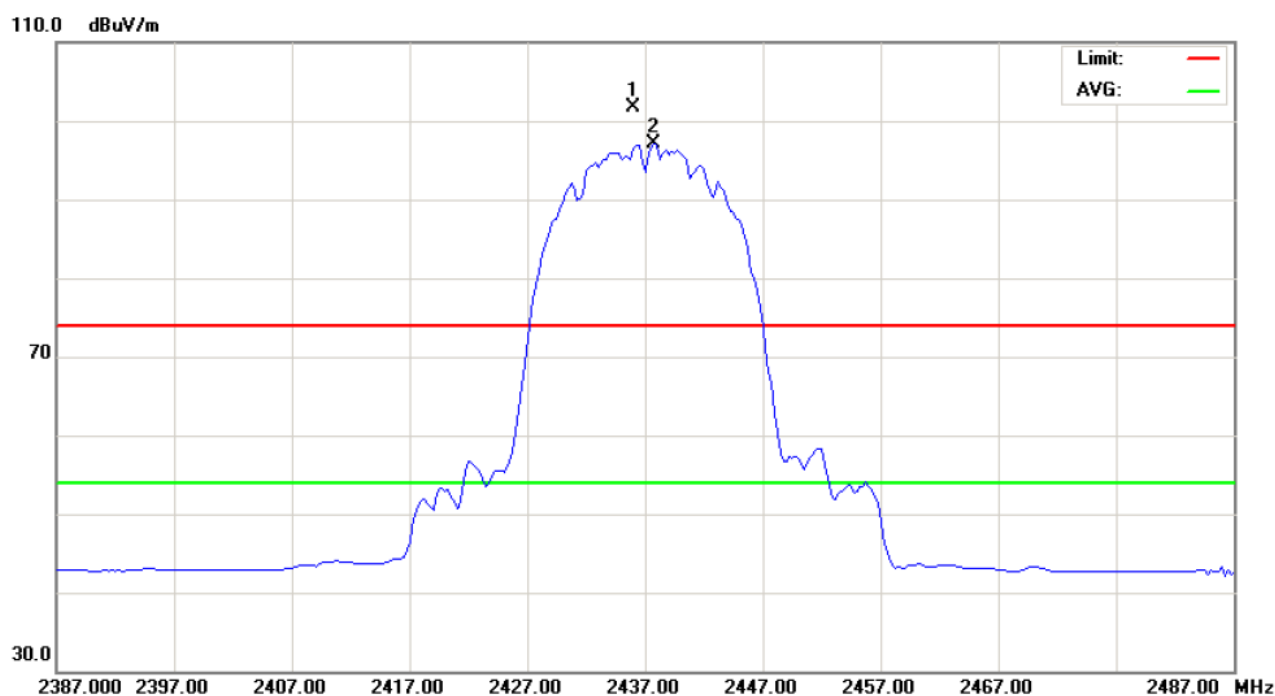
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	X	2438.000	68.20	31.85	100.05	74.00	26.05	peak
2	*	2439.000	62.98	31.85	94.83	54.00	40.83	AVG



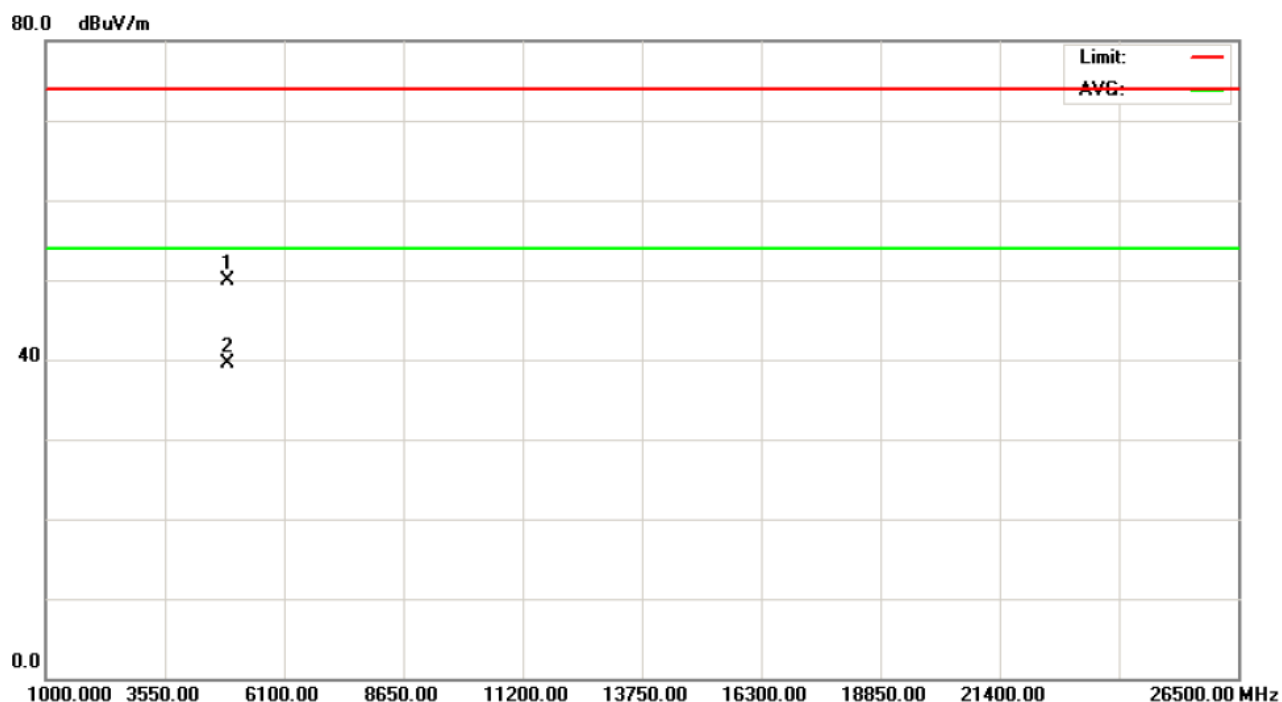
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4873.910	43.84	5.47	49.31	74.00	-24.69	peak
2	*	4874.010	32.18	5.47	37.65	54.00	-16.35	AVG

Above 1GHz:

Model:	NS2	Result:	PASS
Temperature:	25°C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11b/2437MHz)	Antenna polarity:	Vertical



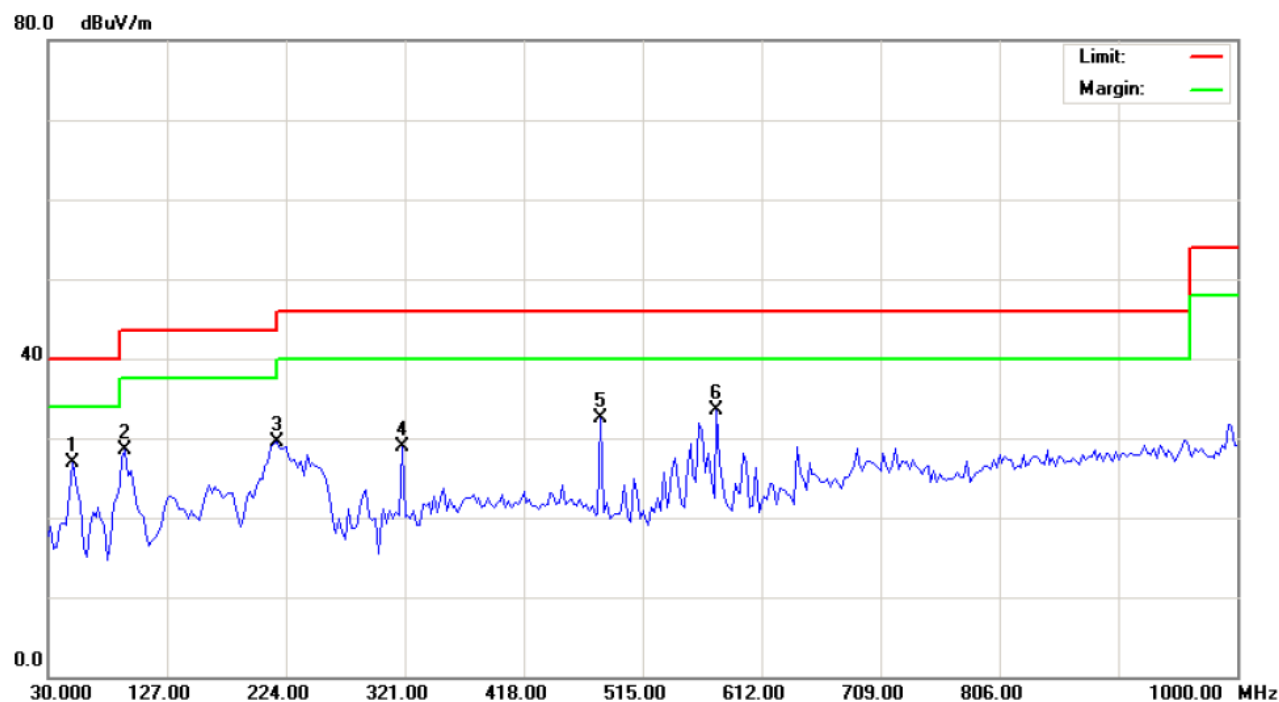
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	X	2436.000	69.93	31.86	101.79	74.00	27.79	peak
2	*	2437.750	65.23	31.85	97.08	54.00	43.08	AVG



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		4874.130	44.52	5.47	49.99	74.00	-24.01	peak
2	*	4874.210	33.97	5.47	39.44	54.00	-14.56	AVG

Below 1GHz:

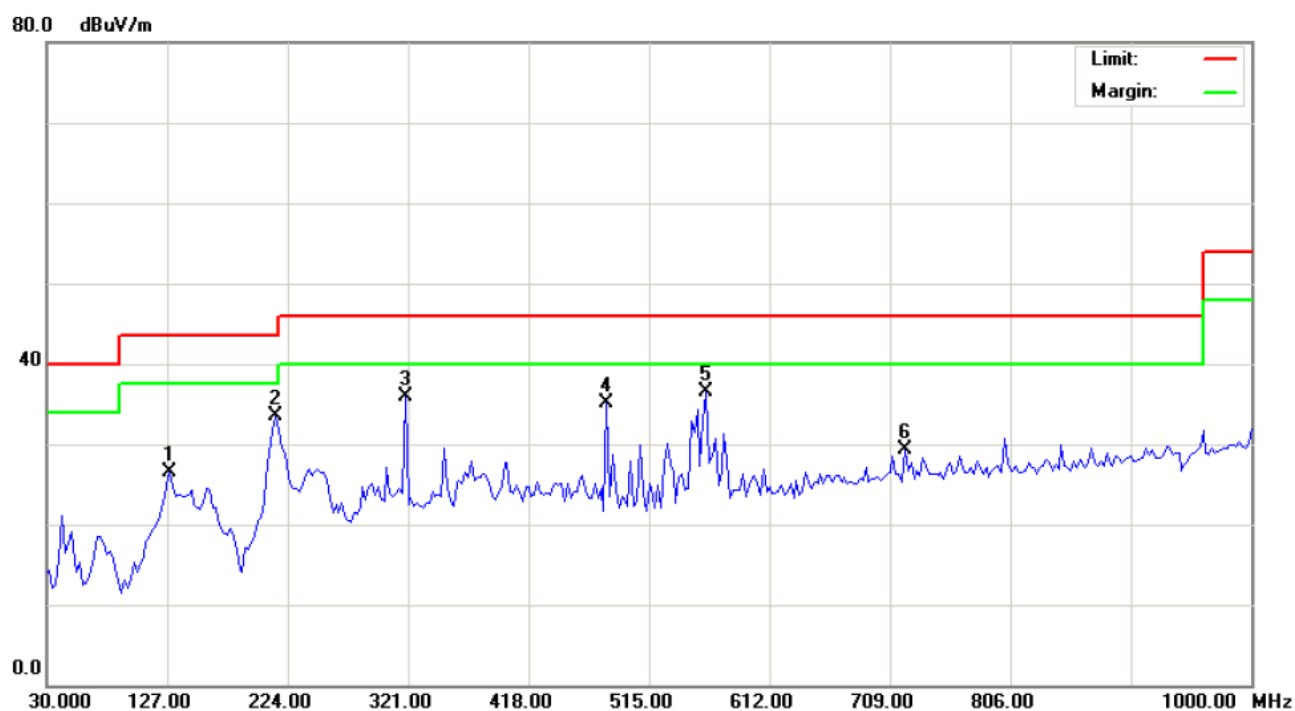
Model:	NS2	Result:	PASS
Temperature:	23°C	Relative Humidity:	51 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11b/2462MHz)	Antenna polarity:	Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		49.4000	44.15	-17.27	26.88	40.00	-13.12	peak
2		93.0500	47.14	-18.71	28.43	43.50	-15.07	peak
3		216.7250	45.47	-16.00	29.47	46.00	-16.53	peak
4		318.5750	40.59	-11.61	28.98	46.00	-17.02	peak
5		481.0500	40.16	-7.64	32.52	46.00	-13.48	peak
6	*	575.6250	38.36	-4.87	33.49	46.00	-12.51	peak

Below 1GHz:

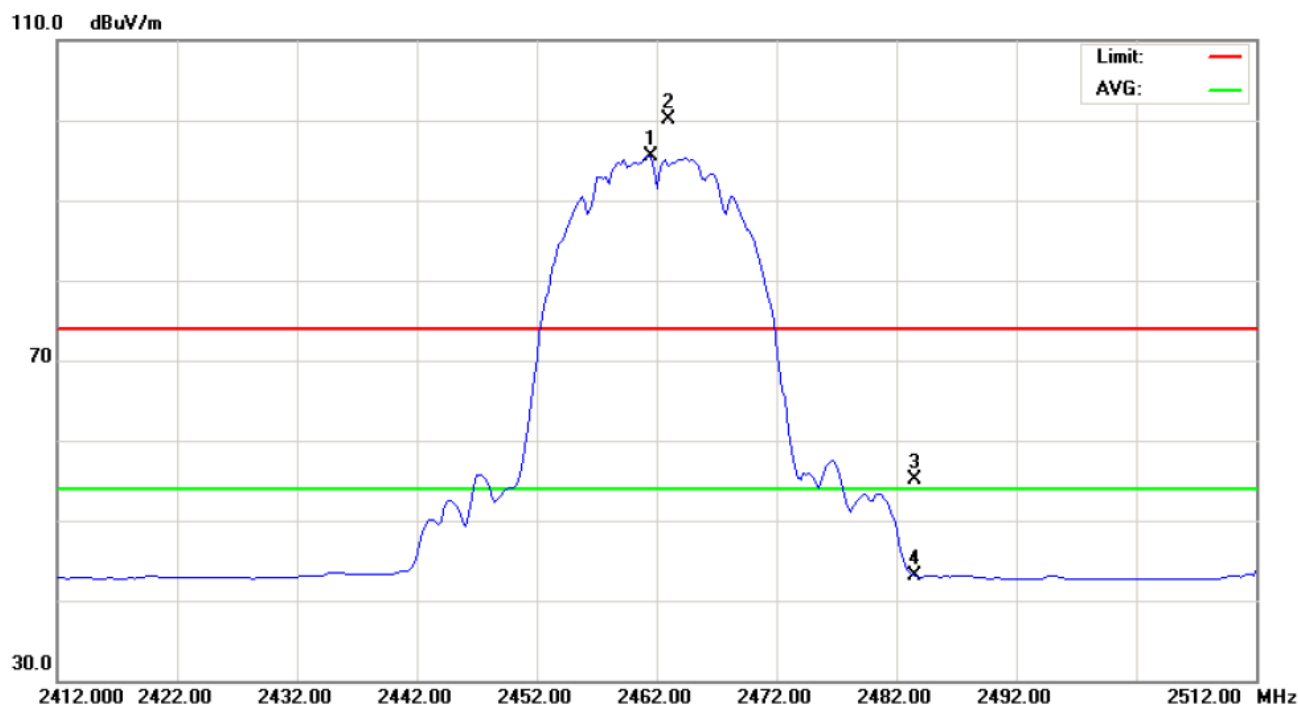
Model:	NS2	Result:	PASS
Temperature:	23°C	Relative Humidity:	51 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11b/2462MHz)	Antenna polarity:	Horizontal



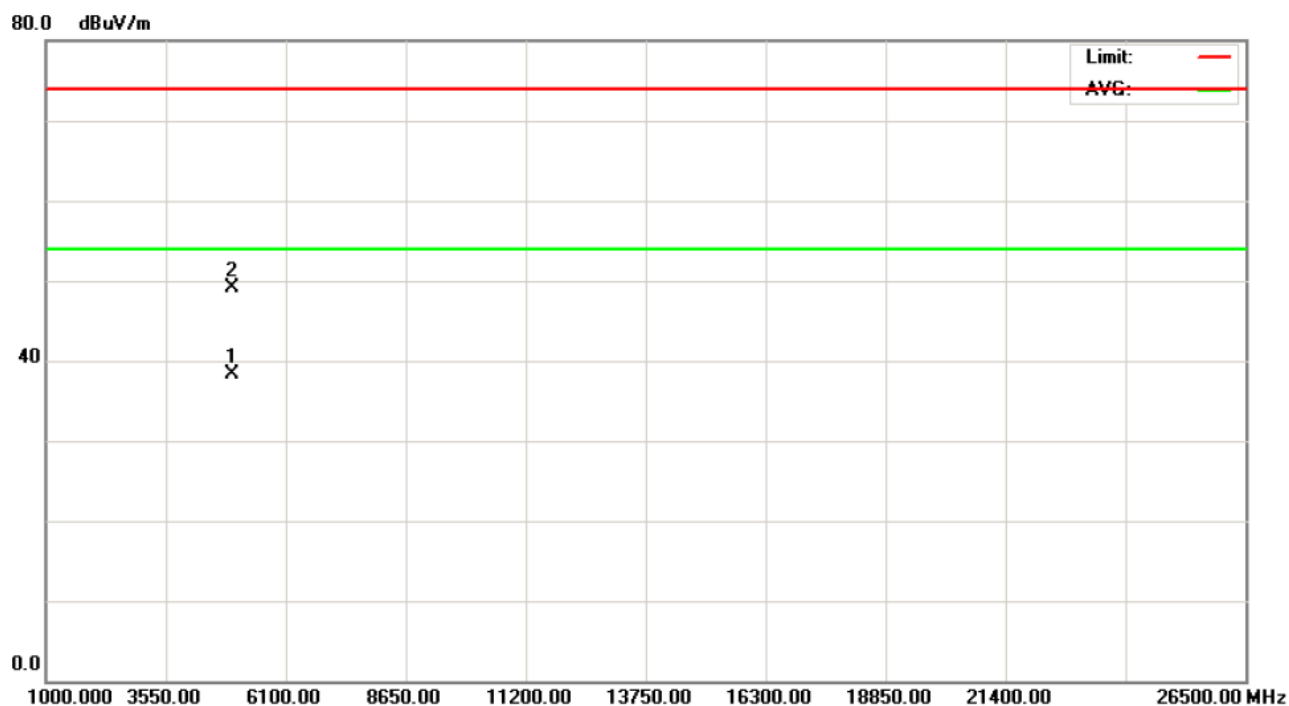
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		129.4250	44.65	-18.12	26.53	43.50	-16.97	peak
2		214.3000	49.62	-16.11	33.51	43.50	-9.99	peak
3		318.5750	47.51	-11.61	35.90	46.00	-10.10	peak
4		481.0500	42.72	-7.64	35.08	46.00	-10.92	peak
5	*	561.0750	41.76	-5.22	36.54	46.00	-9.46	peak
6		721.1250	32.13	-2.92	29.21	46.00	-16.79	peak

Above 1GHz:

Model:	NS2	Result:	PASS
Temperature:	25°C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11b/2462MHz)	Antenna polarity:	Horizontal



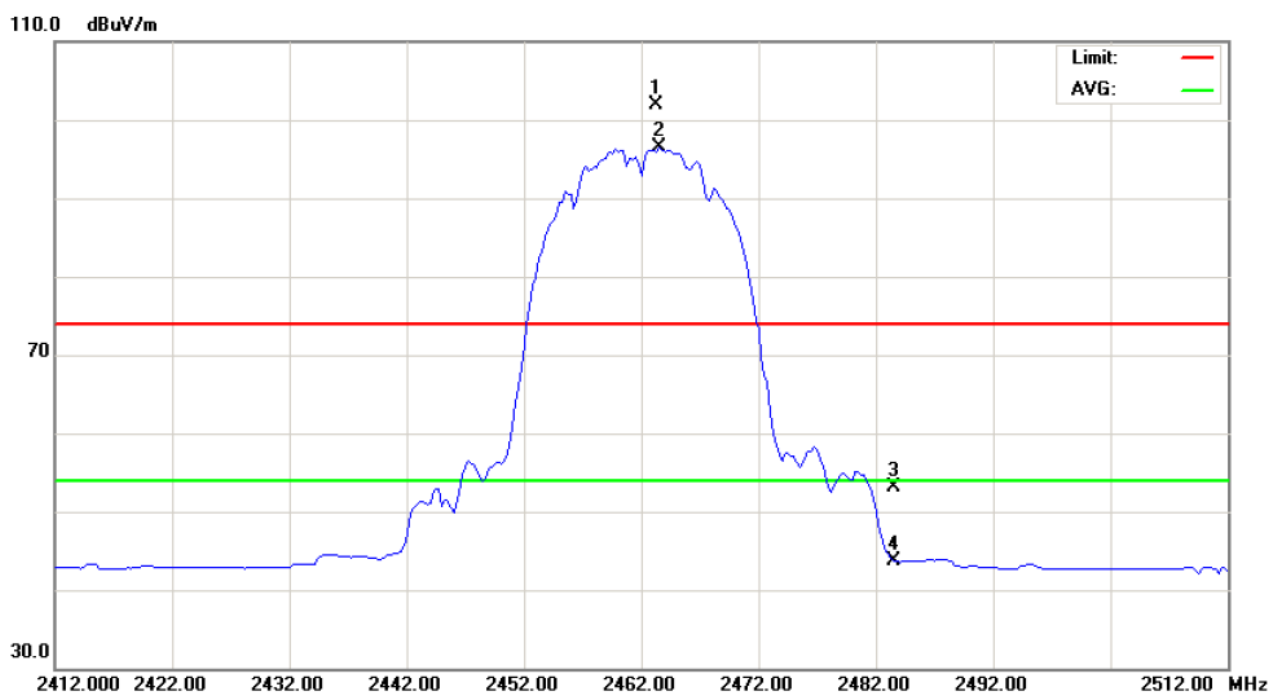
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2461.500	63.73	31.83	95.56	54.00	41.56	AVG
2	X	2463.000	68.27	31.82	100.09	74.00	26.09	peak
3		2483.500	23.30	31.80	55.10	74.00	-18.90	peak
4		2483.500	11.25	31.80	43.05	54.00	-10.95	AVG



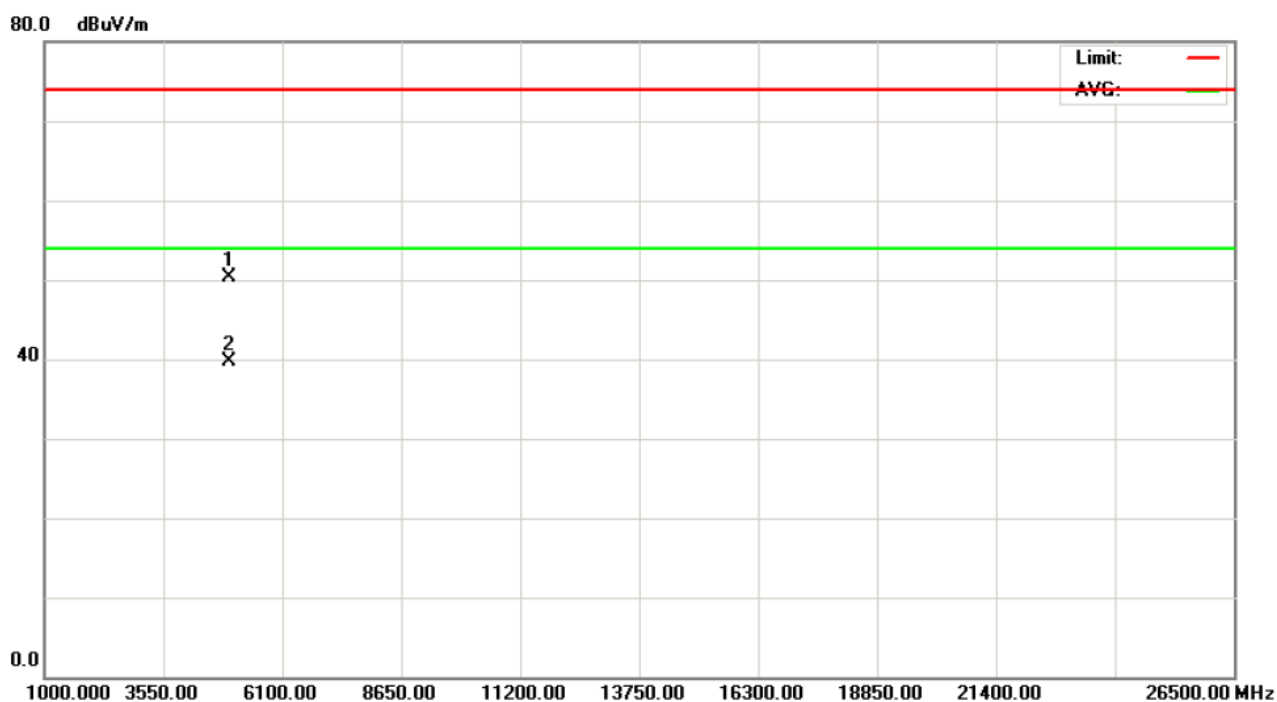
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	4924.130	32.68	5.65	38.33	54.00	-15.67	AVG
2		4924.170	43.50	5.65	49.15	74.00	-24.85	peak

Above 1GHz:

Model:	NS2	Result:	PASS
Temperature:	25°C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11b/2462MHz)	Antenna polarity:	Vertical



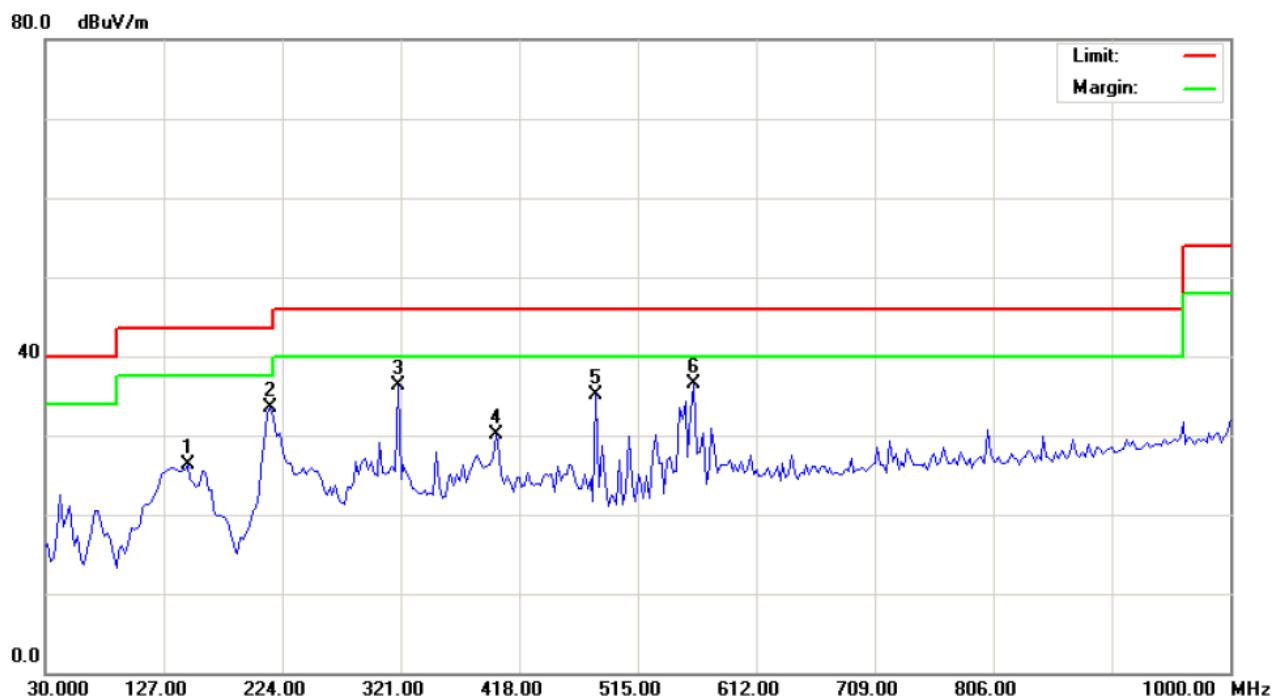
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	X	2463.250	70.04	31.82	101.86	74.00	27.86	peak
2	*	2463.500	64.61	31.82	96.43	54.00	42.43	AVG
3		2483.500	21.28	31.80	53.08	74.00	-20.92	peak
4		2483.500	11.98	31.80	43.78	54.00	-10.22	AVG



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4924.140	44.67	5.65	50.32	74.00	-23.68	peak
2	*	4924.260	34.06	5.65	39.71	54.00	-14.29	AVG

Below 1GHz:

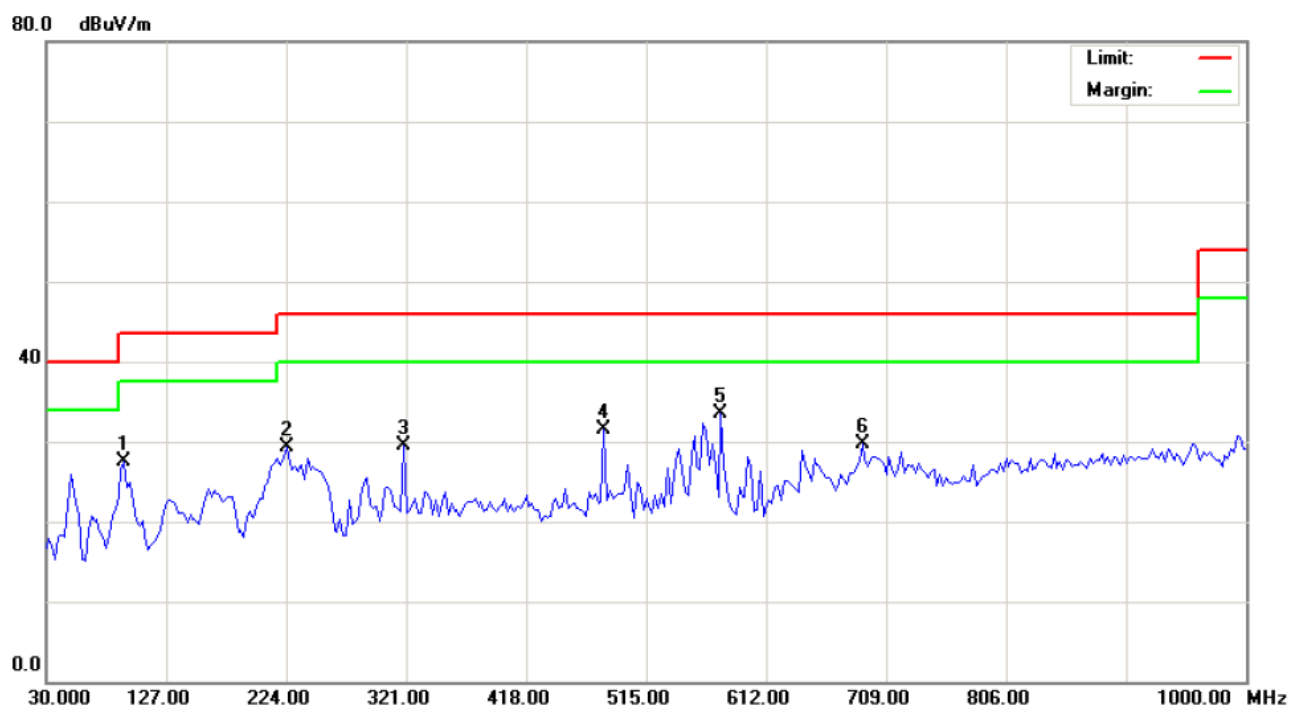
Model:	NS2	Result:	PASS
Temperature:	23°C	Relative Humidity:	51 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11g/2412MHz)	Antenna polarity:	Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		146.4000	43.93	-17.63	26.30	43.50	-17.20	peak
2		214.3000	49.62	-16.11	33.51	43.50	-9.99	peak
3		318.5750	48.01	-11.61	36.40	46.00	-9.60	peak
4		398.6000	39.24	-9.07	30.17	46.00	-15.83	peak
5		481.0500	42.72	-7.64	35.08	46.00	-10.92	peak
6	*	561.0750	41.76	-5.22	36.54	46.00	-9.46	peak

Below 1GHz:

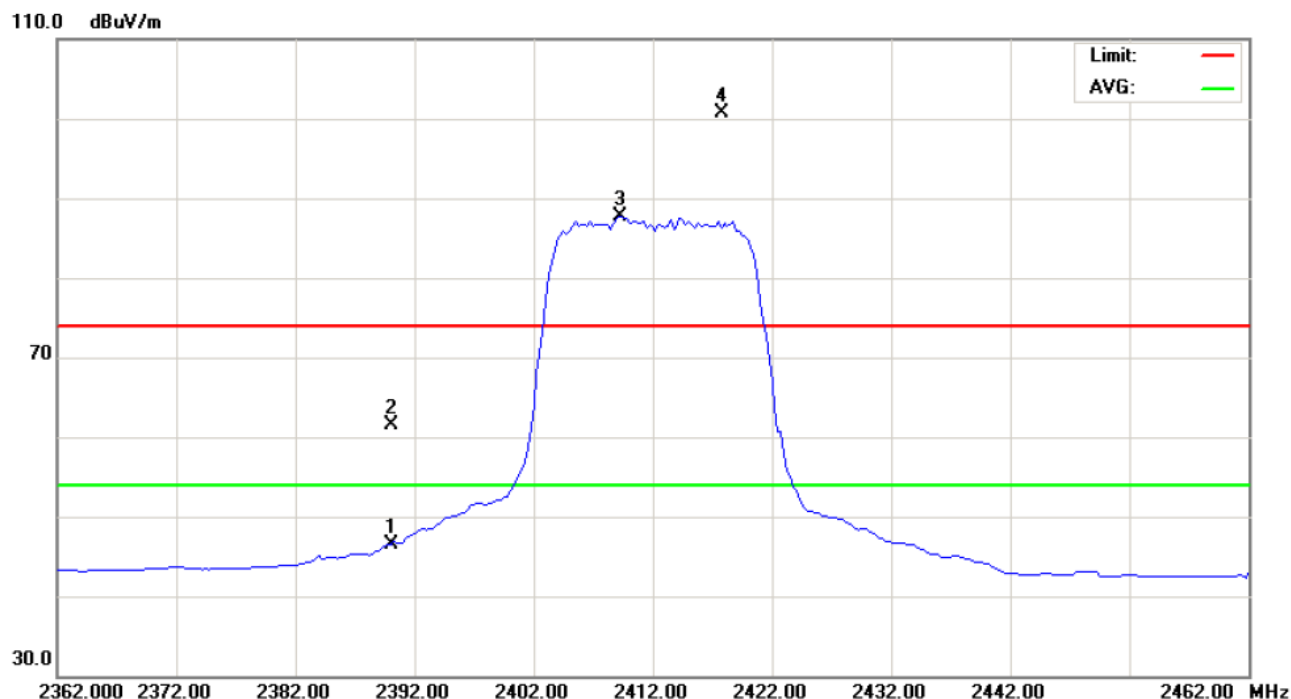
Model:	NS2	Result:	PASS
Temperature:	23°C	Relative Humidity:	51 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11g/2412MHz)	Antenna polarity:	Vertical



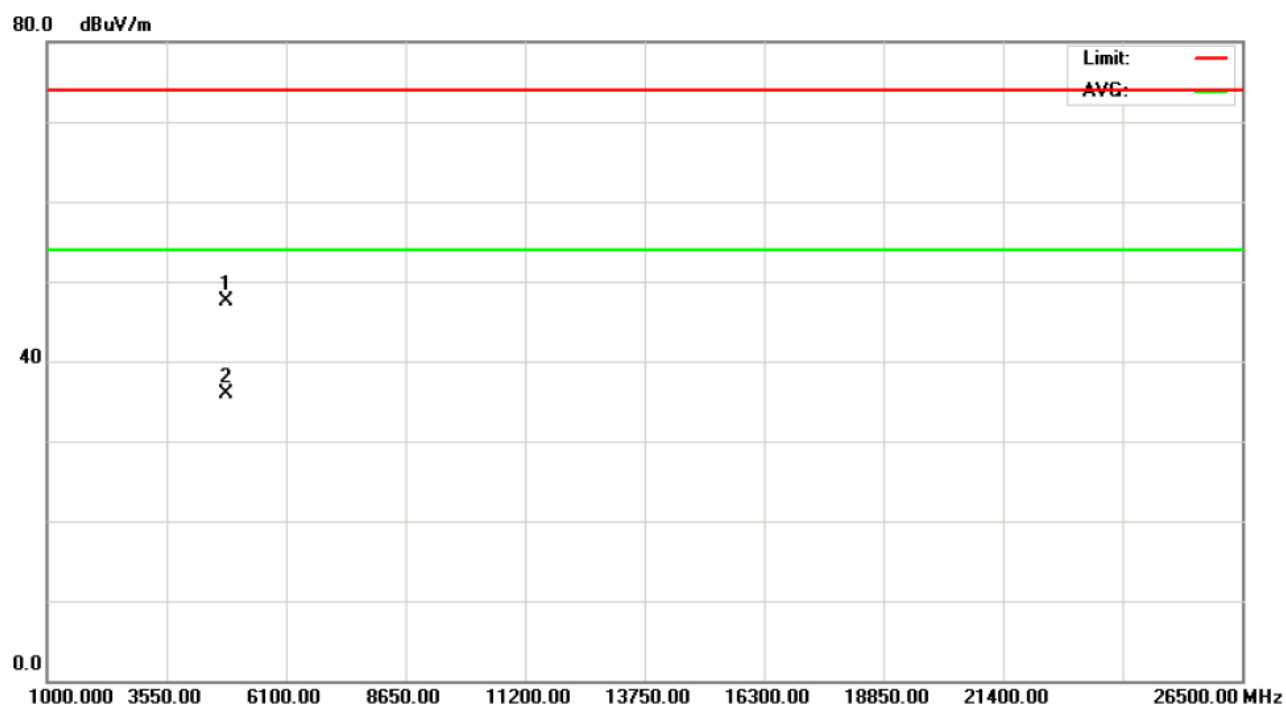
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		93.0500	46.14	-18.71	27.43	43.50	-16.07	peak
2		224.0000	45.08	-15.76	29.32	46.00	-16.68	peak
3		318.5750	41.09	-11.61	29.48	46.00	-16.52	peak
4		481.0500	39.16	-7.64	31.52	46.00	-14.48	peak
5	*	575.6250	38.36	-4.87	33.49	46.00	-12.51	peak
6		689.6000	33.01	-3.21	29.80	46.00	-16.20	peak

Above 1GHz:

Model:	NS2	Result:	PASS
Temperature:	25°C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11g/2412MHz)	Antenna polarity:	Horizontal



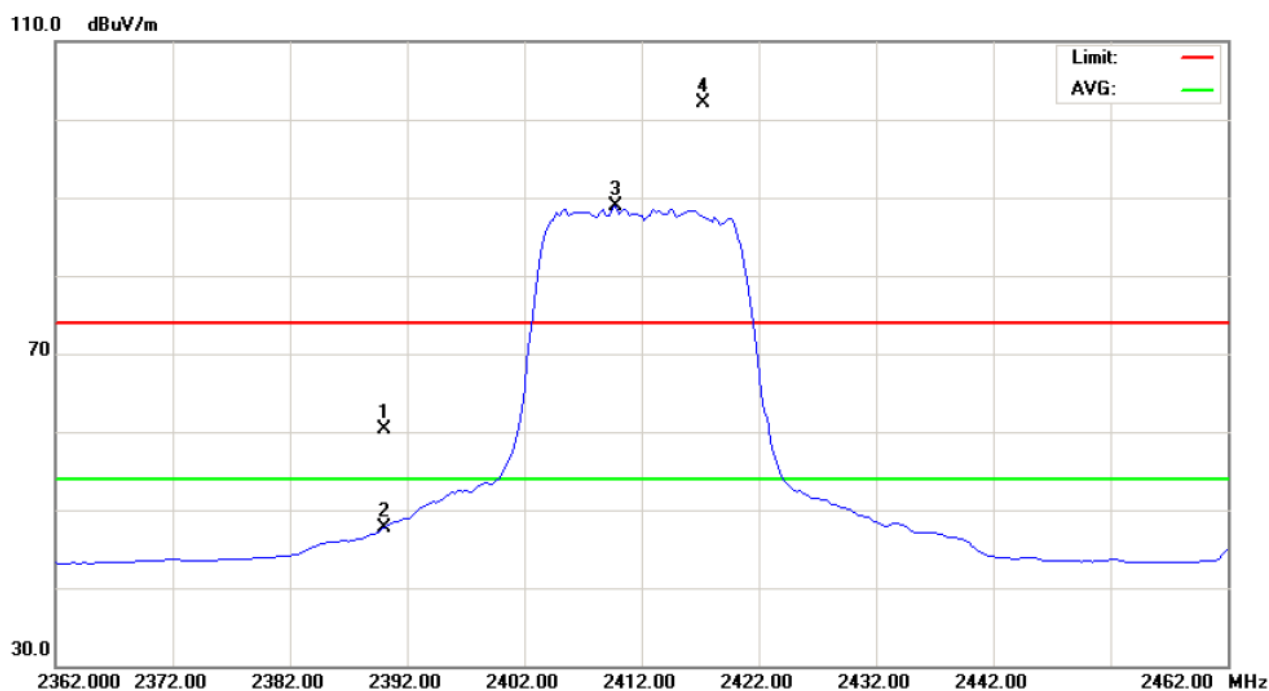
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	14.68	31.91	46.59	74.00	-27.41	peak
2		2390.000	29.50	31.91	61.41	74.00	-12.59	peak
3	X	2409.250	55.74	31.89	87.63	74.00	13.63	peak
4	*	2417.750	68.86	31.88	100.74	74.00	26.74	peak



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4823.920	42.29	5.29	47.58	74.00	-26.42	peak
2	*	4824.130	30.57	5.29	35.86	54.00	-18.14	AVG

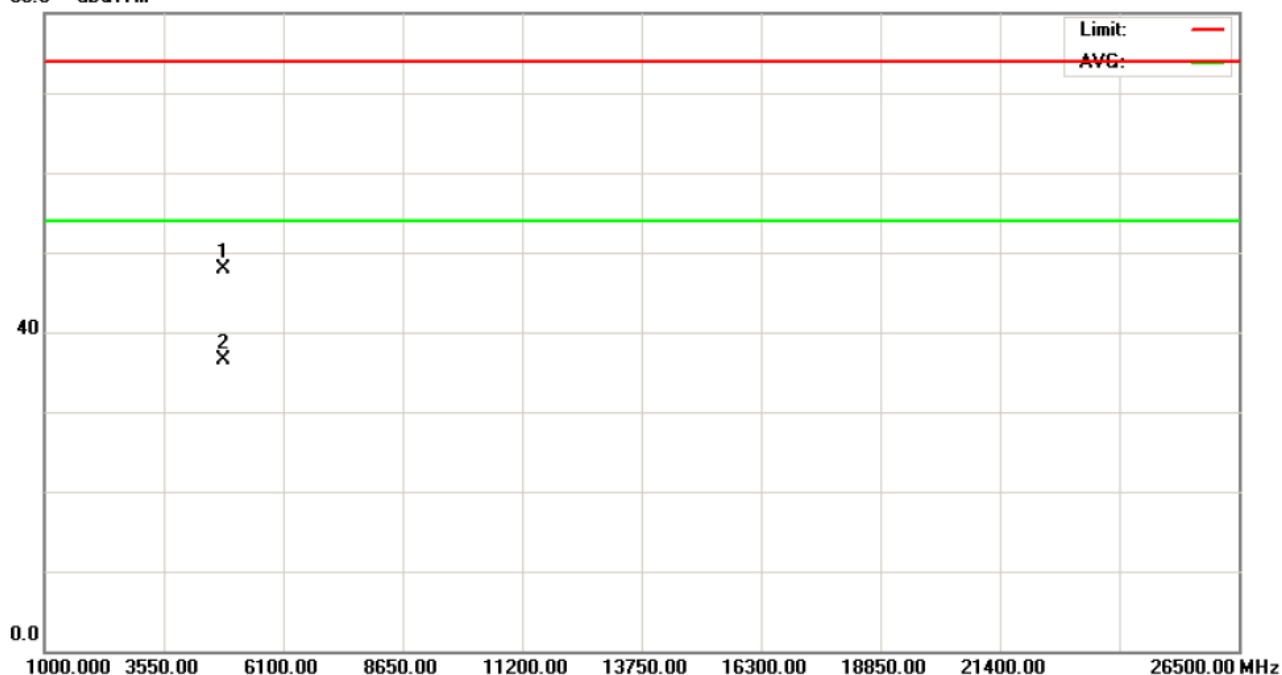
Above 1GHz:

Model:	NS2	Result:	PASS
Temperature:	25°C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11g/2412MHz)	Antenna polarity:	Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	28.39	31.91	60.30	74.00	-13.70	peak
2		2390.000	15.85	31.91	47.76	54.00	-6.24	AVG
3	*	2409.750	56.99	31.89	88.88	54.00	34.88	AVG
4	X	2417.250	70.24	31.89	102.13	74.00	28.13	peak

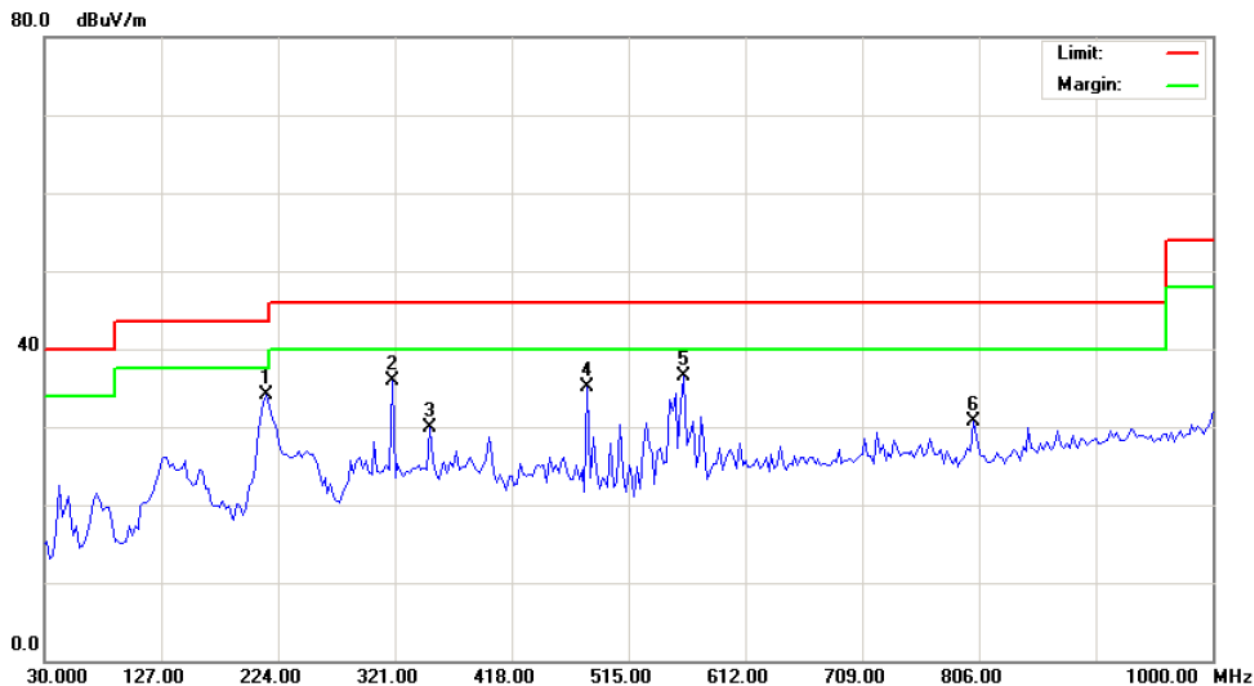
80.0 dBuV/m



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		4823.990	42.66	5.29	47.95	74.00	-26.05	peak
2	*	4824.010	31.23	5.29	36.52	54.00	-17.48	AVG

Below 1GHz:

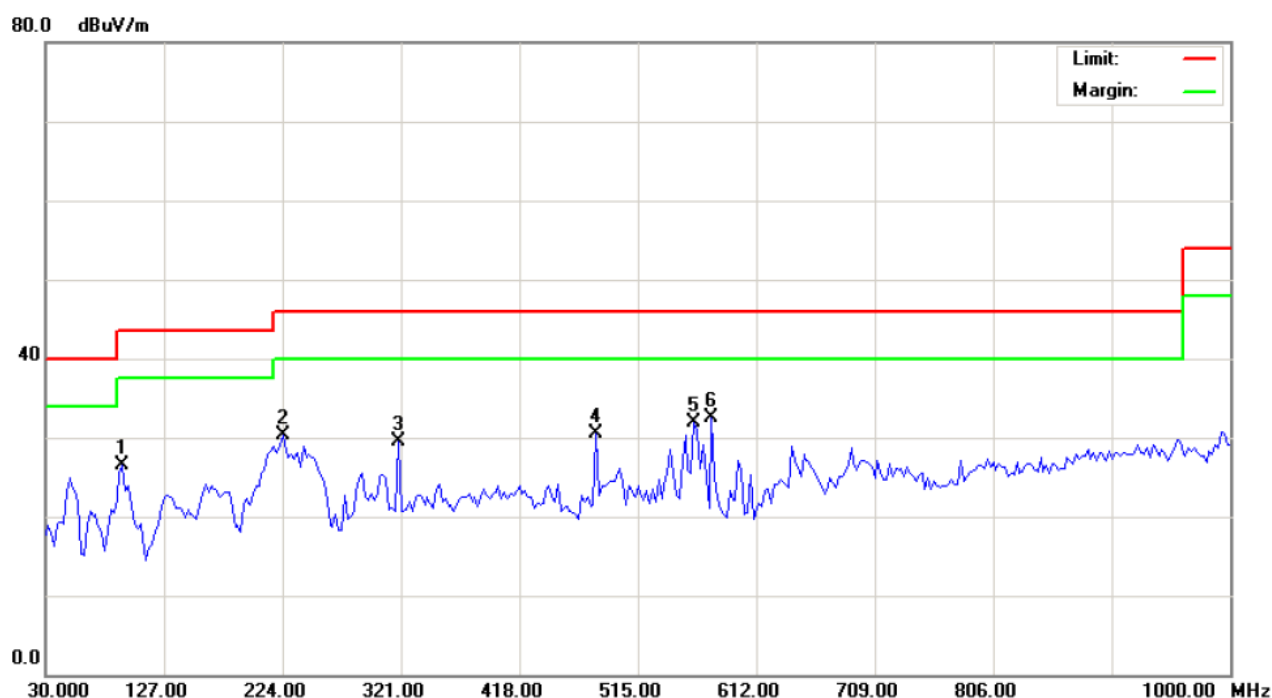
Model:	NS2	Result:	PASS
Temperature:	23°C	Relative Humidity:	51 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11g/2437MHz)	Antenna polarity:	Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		214.3000	50.12	-16.11	34.01	43.50	-9.49	peak
2		318.5750	47.51	-11.61	35.90	46.00	-10.10	peak
3		350.1000	40.81	-10.84	29.97	46.00	-16.03	peak
4		481.0500	42.72	-7.64	35.08	46.00	-10.92	peak
5	*	561.0750	41.76	-5.22	36.54	46.00	-9.46	peak
6		801.1500	32.60	-1.86	30.74	46.00	-15.26	peak

Below 1GHz:

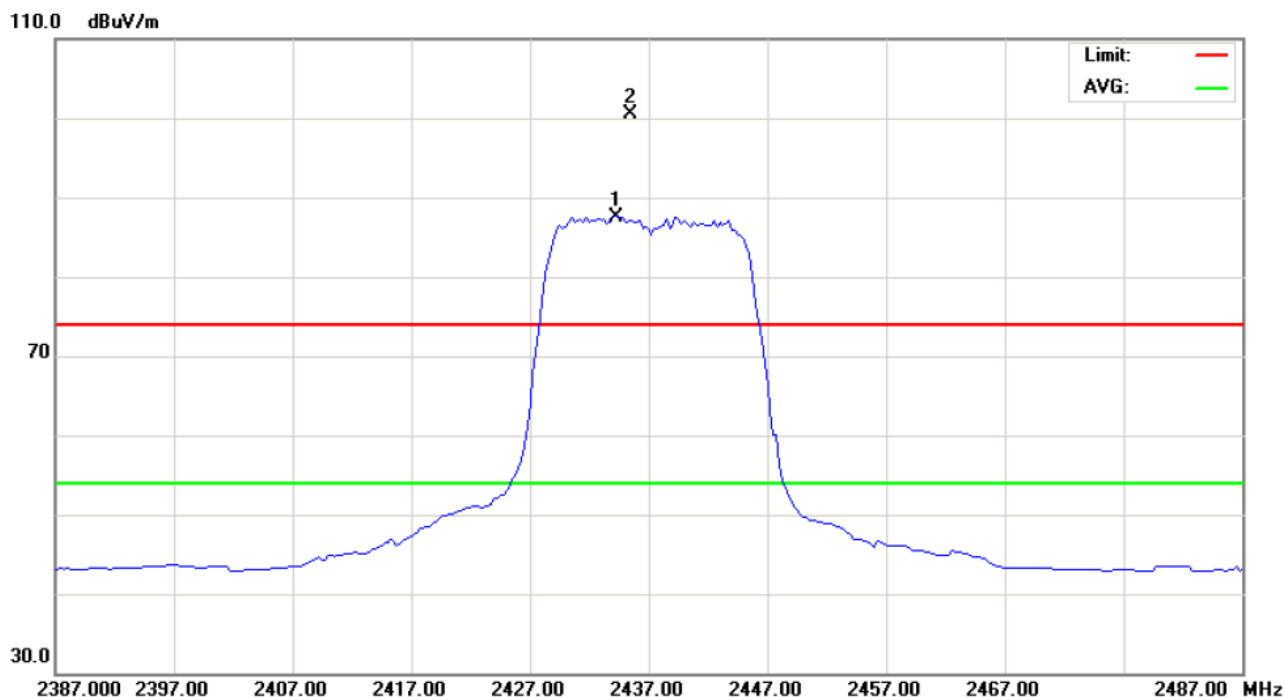
Model:	NS2	Result:	PASS
Temperature:	23°C	Relative Humidity:	51 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11g/2437MHz)	Antenna polarity:	Vertical



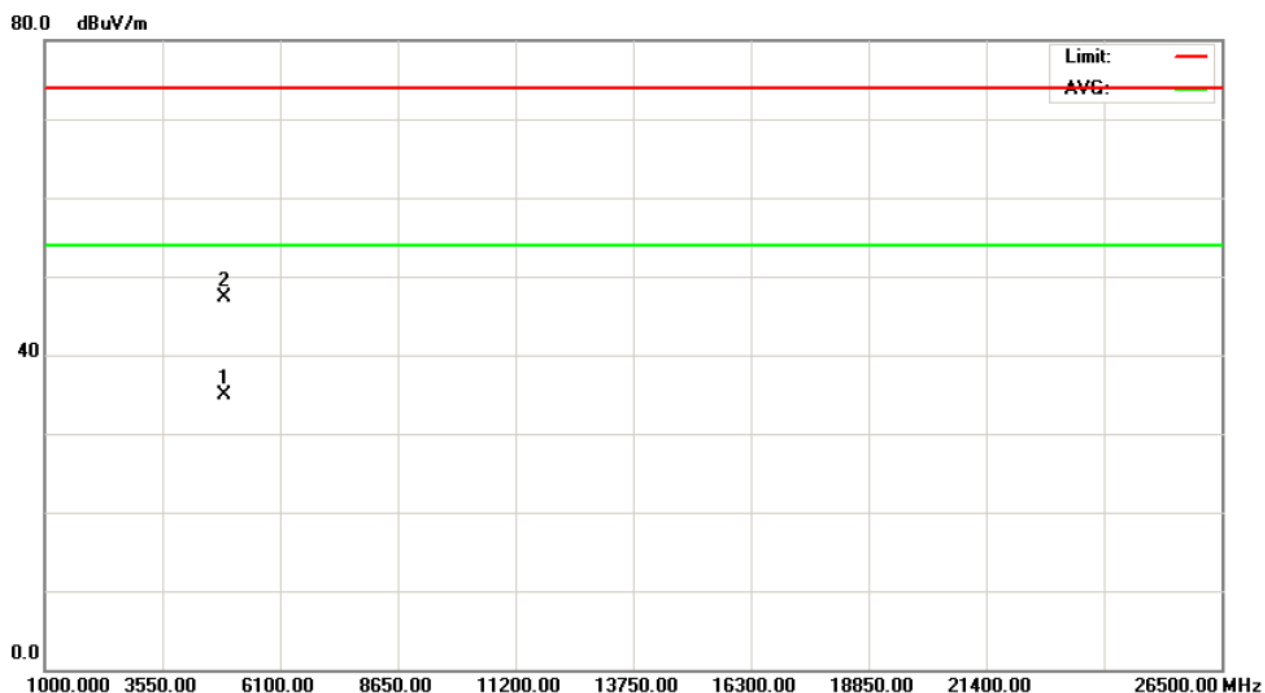
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		93.0500	45.14	-18.71	26.43	43.50	-17.07	peak
2		224.0000	46.08	-15.76	30.32	46.00	-15.68	peak
3		318.5750	41.09	-11.61	29.48	46.00	-16.52	peak
4		481.0500	38.16	-7.64	30.52	46.00	-15.48	peak
5		561.0750	37.08	-5.22	31.86	46.00	-14.14	peak
6	*	575.6250	37.36	-4.87	32.49	46.00	-13.51	peak

Above 1GHz:

Model:	NS2	Result:	PASS
Temperature:	25°C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11g/2437MHz)	Antenna polarity:	Horizontal



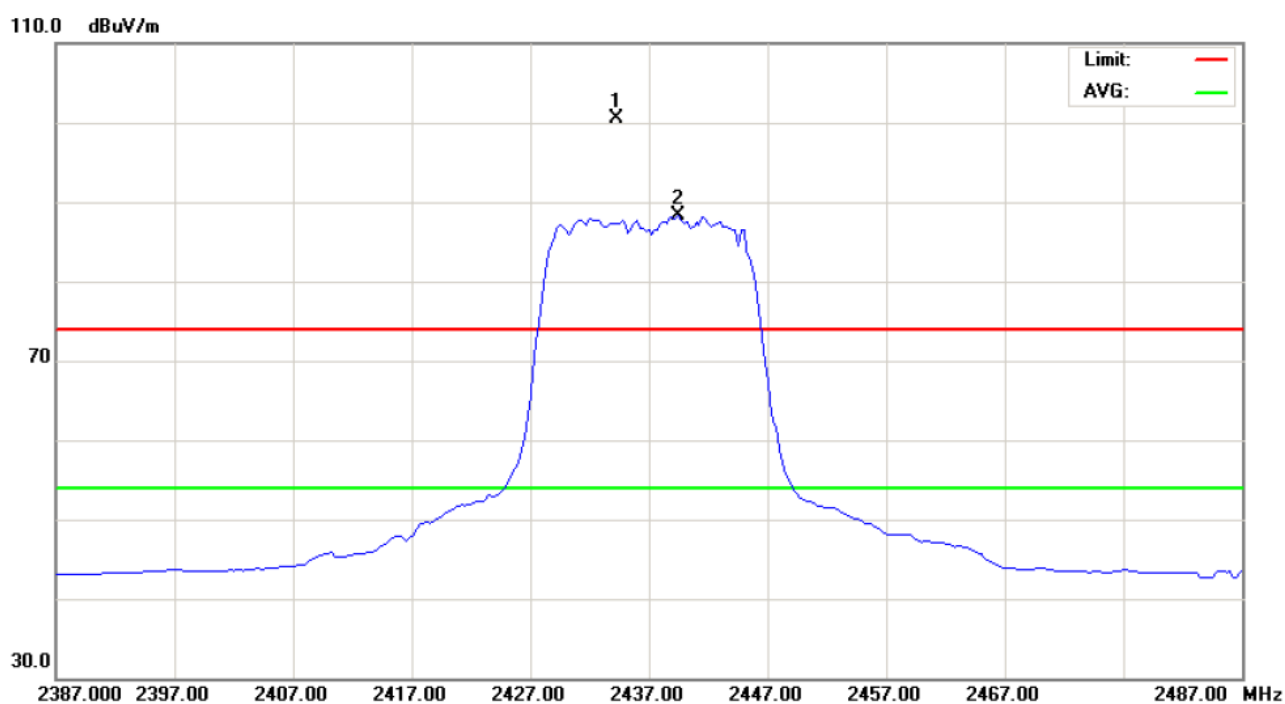
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	X	2434.250	55.74	31.86	87.60	74.00	13.60	peak
2	*	2435.500	68.55	31.86	100.41	74.00	26.41	peak



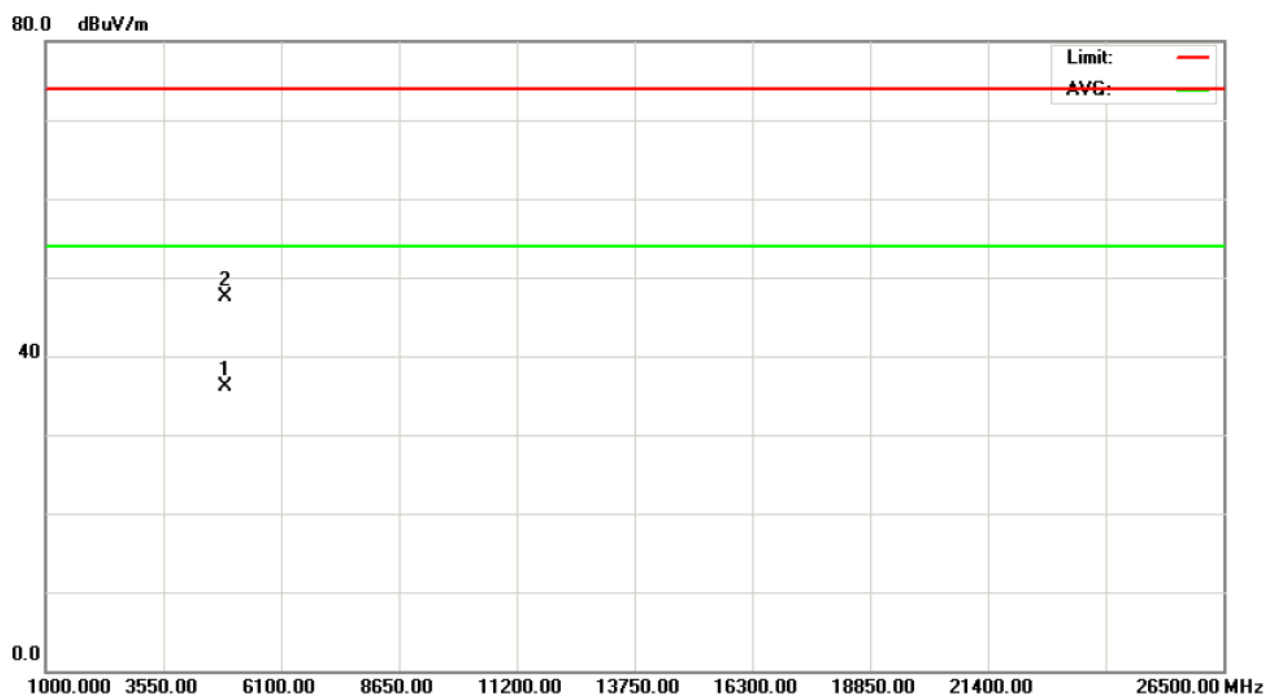
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	4874.280	29.38	5.47	34.85	54.00	-19.15	AVG
2		4874.300	41.86	5.47	47.33	74.00	-26.67	peak

Above 1GHz:

Model:	NS2	Result:	PASS
Temperature:	25°C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11g/2437MHz)	Antenna polarity:	Vertical



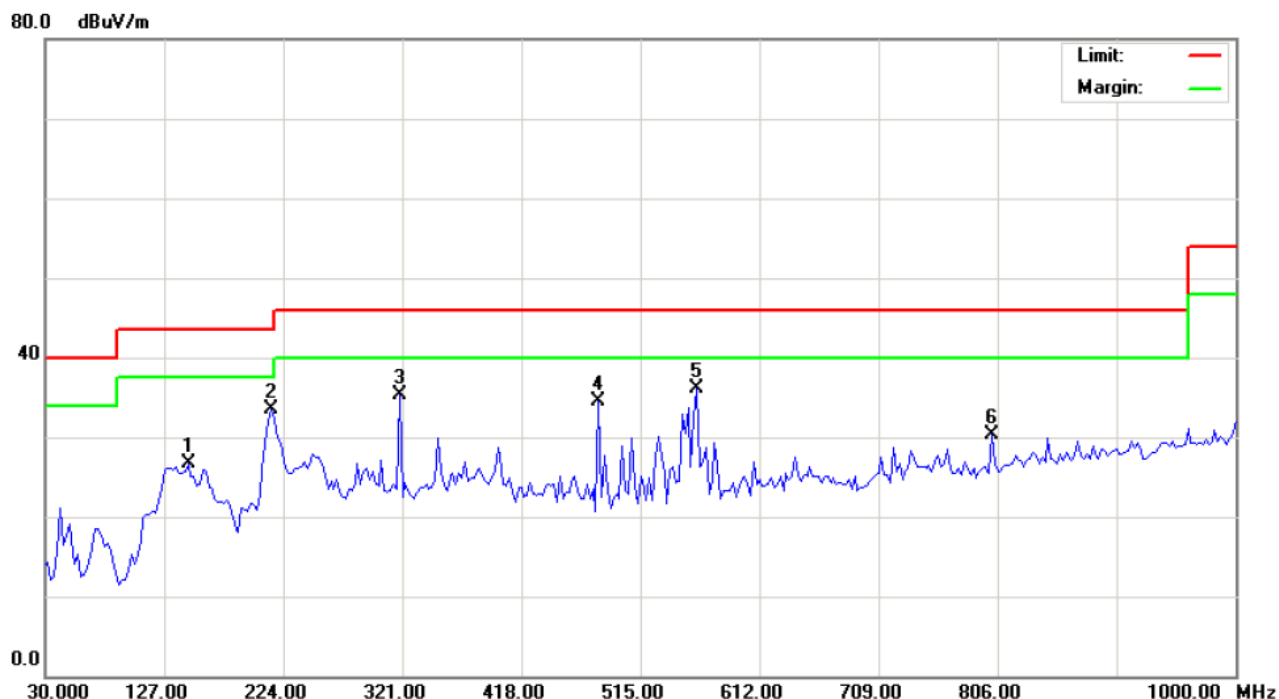
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	X	2434.140	68.64	31.86	100.50	74.00	26.50	peak
2	*	2439.500	56.40	31.85	88.25	54.00	34.25	AVG



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1	*	4874.080	30.64	5.47	36.11	54.00	-17.89	AVG
2		4874.310	42.04	5.47	47.51	74.00	-26.49	peak

Below 1GHz:

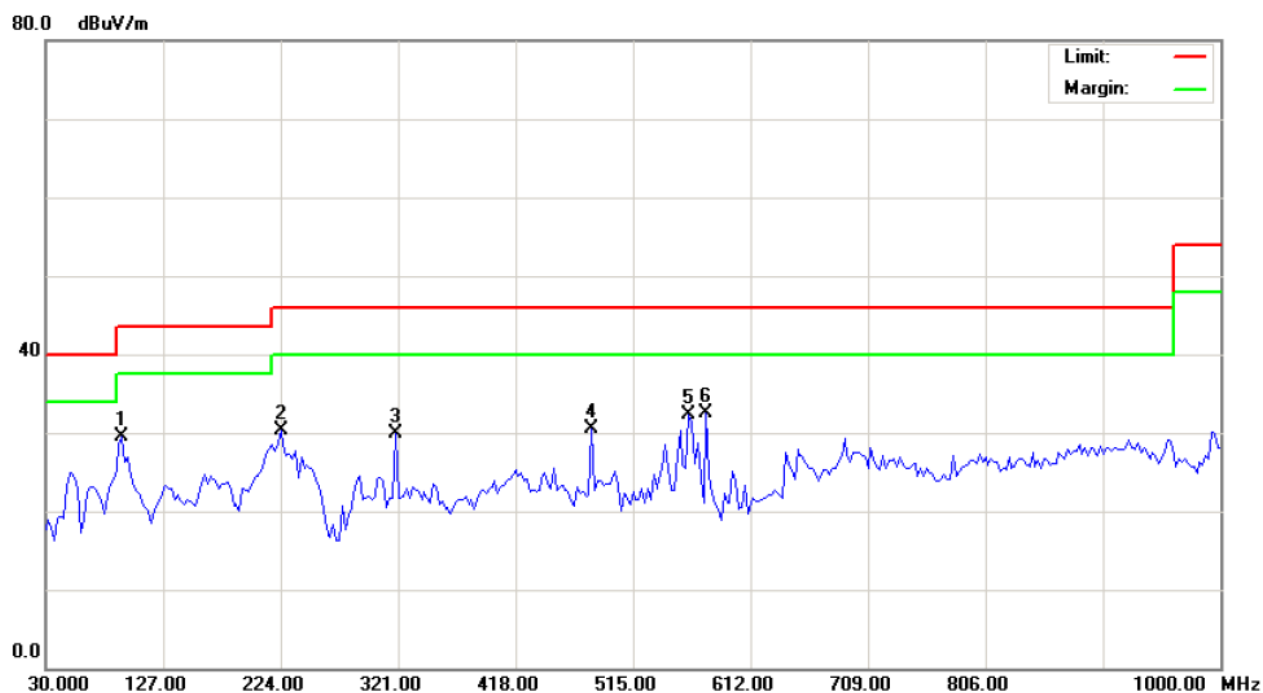
Model:	NS2	Result:	PASS
Temperature:	23°C	Relative Humidity:	51 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11g/2462MHz)	Antenna polarity:	Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		146.4000	44.43	-17.63	26.80	43.50	-16.70	peak
2		214.3000	49.62	-16.11	33.51	43.50	-9.99	peak
3		318.5750	47.01	-11.61	35.40	46.00	-10.60	peak
4		481.0500	42.22	-7.64	34.58	46.00	-11.42	peak
5	*	561.0750	41.26	-5.22	36.04	46.00	-9.96	peak
6		801.1500	32.10	-1.86	30.24	46.00	-15.76	peak

Below 1GHz:

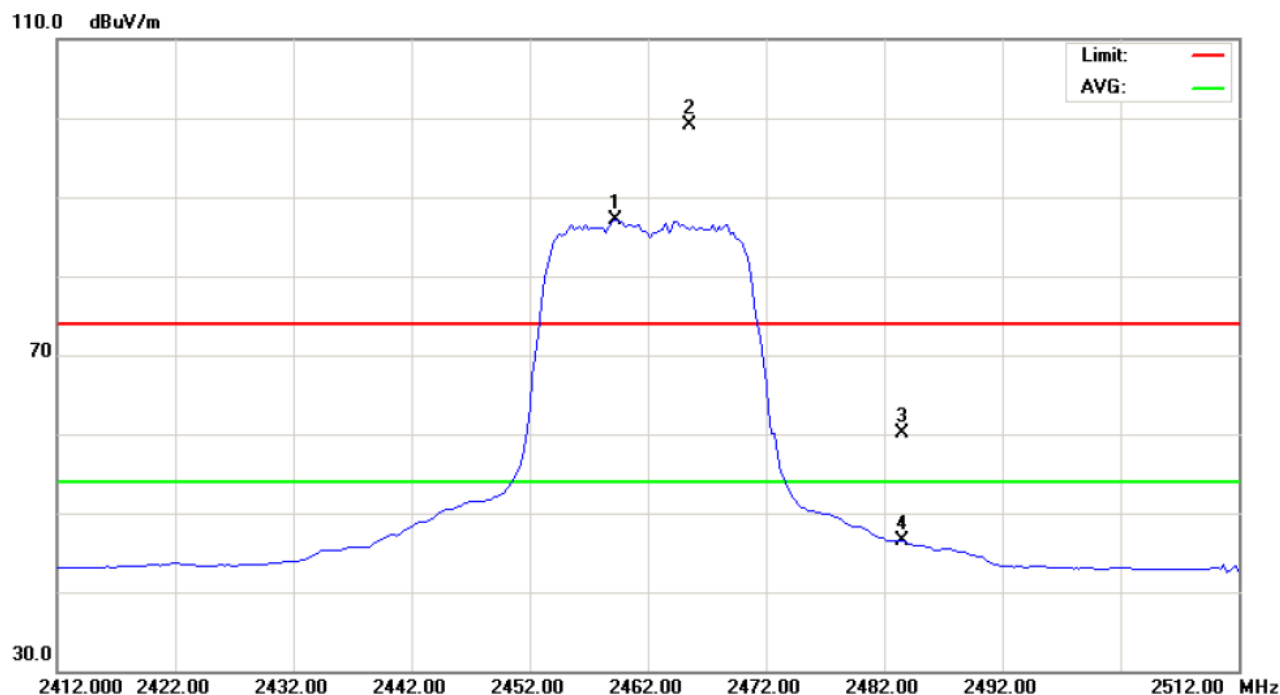
Model:	NS2	Result:	PASS
Temperature:	23°C	Relative Humidity:	51 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11g/2462MHz)	Antenna polarity:	Vertical



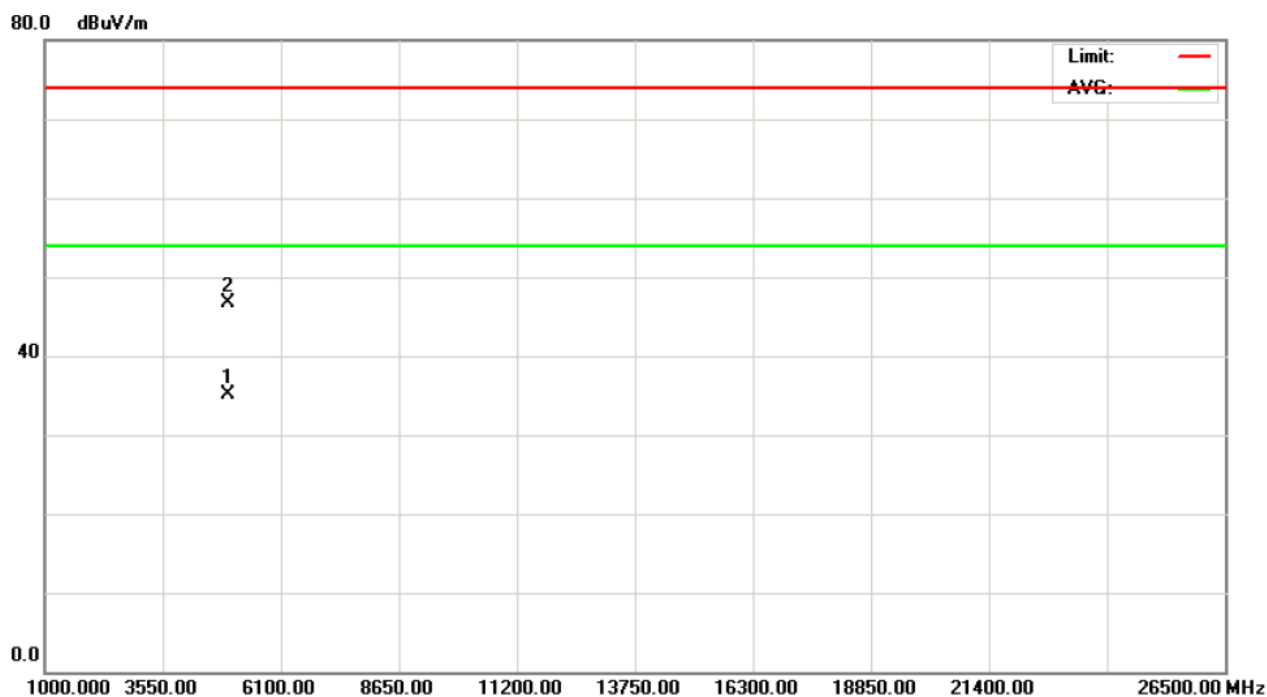
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		93.0500	48.14	-18.71	29.43	43.50	-14.07	peak
2		224.0000	46.08	-15.76	30.32	46.00	-15.68	peak
3		318.5750	41.59	-11.61	29.98	46.00	-16.02	peak
4		481.0500	38.16	-7.64	30.52	46.00	-15.48	peak
5		561.0750	37.58	-5.22	32.36	46.00	-13.64	peak
6	*	575.6250	37.36	-4.87	32.49	46.00	-13.51	peak

Above 1GHz:

Model:	NS2	Result:	PASS
Temperature:	25°C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11g/2462MHz)	Antenna polarity:	Horizontal



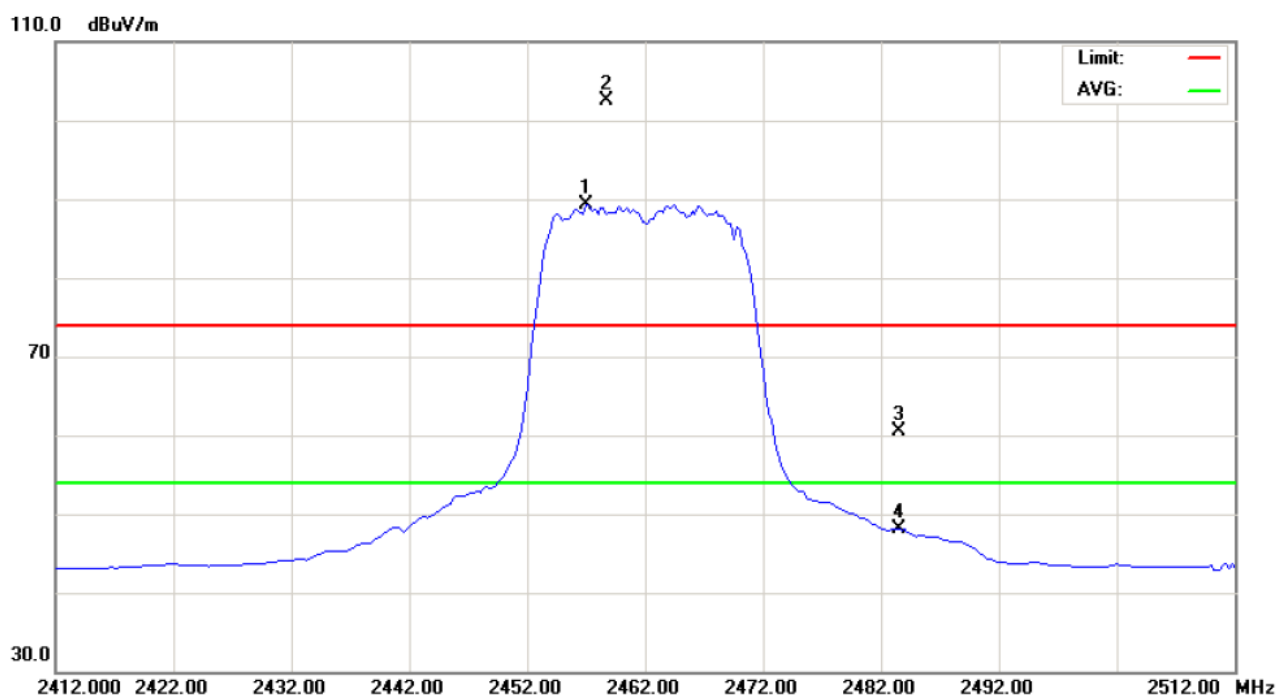
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	2459.250	55.24	31.83	87.07	54.00	33.07	AVG
2	X	2465.500	67.21	31.82	99.03	74.00	25.03	peak
3		2483.500	28.33	31.80	60.13	74.00	-13.87	peak
4		2483.500	14.70	31.80	46.50	54.00	-7.50	AVG



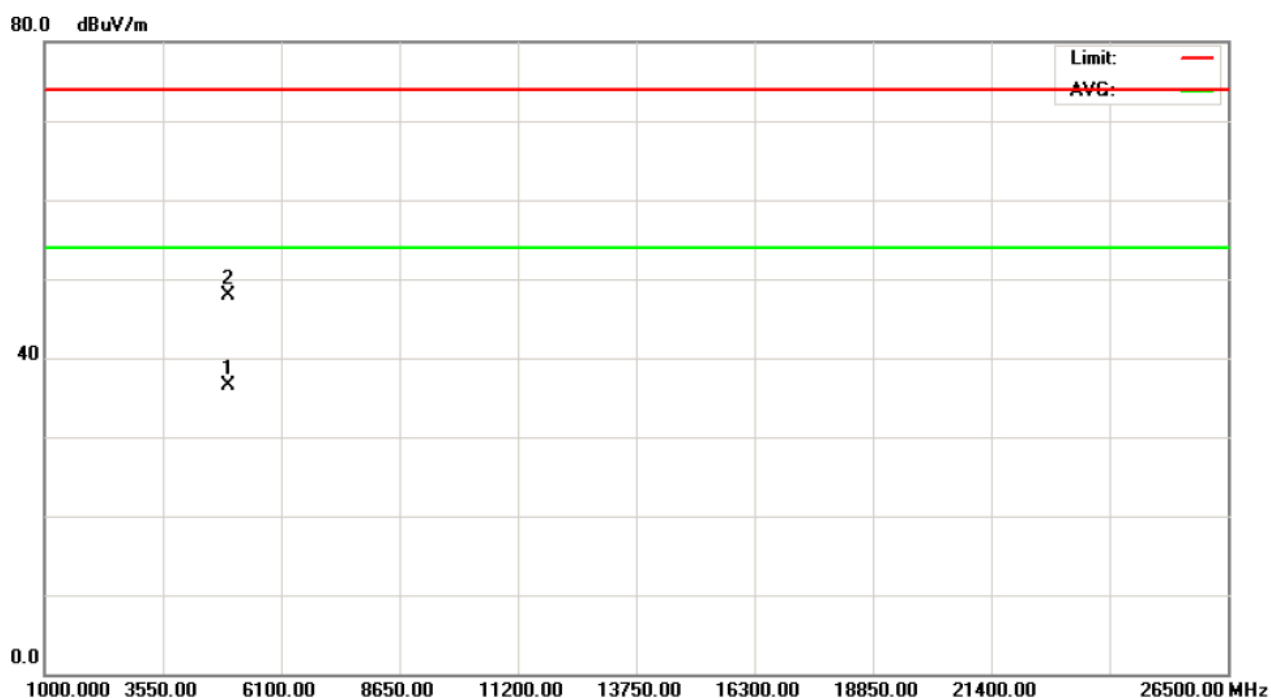
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	4924.035	29.40	5.65	35.05	54.00	-18.95	AVG
2		4924.240	41.12	5.65	46.77	74.00	-27.23	peak

Above 1GHz:

Model:	NS2	Result:	PASS
Temperature:	25°C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test voltage:	120Vac
Test Mode :	Transmitting mode (802.11g/2462MHz)	Antenna polarity:	Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2457.000	57.45	31.84	89.29	54.00	35.29	AVG
2	X	2458.750	70.72	31.83	102.55	74.00	28.55	peak
3		2483.500	28.79	31.80	60.59	74.00	-13.41	peak
4		2483.500	16.29	31.80	48.09	54.00	-5.91	AVG



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	4924.055	30.81	5.65	36.46	54.00	-17.54	AVG
2		4924.130	42.17	5.65	47.82	74.00	-26.18	peak

Remark:

- (1) 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.
- (2) 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.)
From 30MHz to 1GHz, read the field strength of the emissions with RBW=120KHz.
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission .
Read the Peak field strength through RBW=1MHz, VBW=3MHz in spectrum analyzer setting.
Read the Average field strength through RBW=1MHz, VBW=10Hz in spectrum analyzer setting.
- (4) 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.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

6.5 6dB BANDWIDTH TEST

6.5.1 APPLIED PROCEDURES / LIMIT

Systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725 - 5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

6.5.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSL6	100425	Nov.26.2012

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

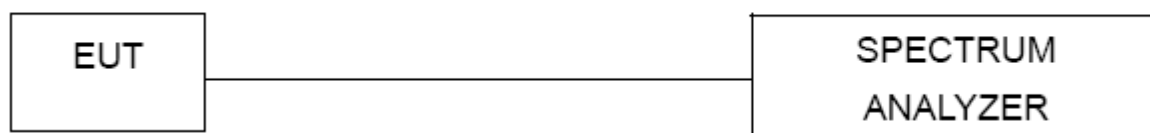
6.5.3 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting : RBW= 100KHz, VBW=100KHz, Sweep time = 5 ms.

6.5.4 DEVIATION FROM STANDARD

No deviation.

6.5.5 TEST SETUP



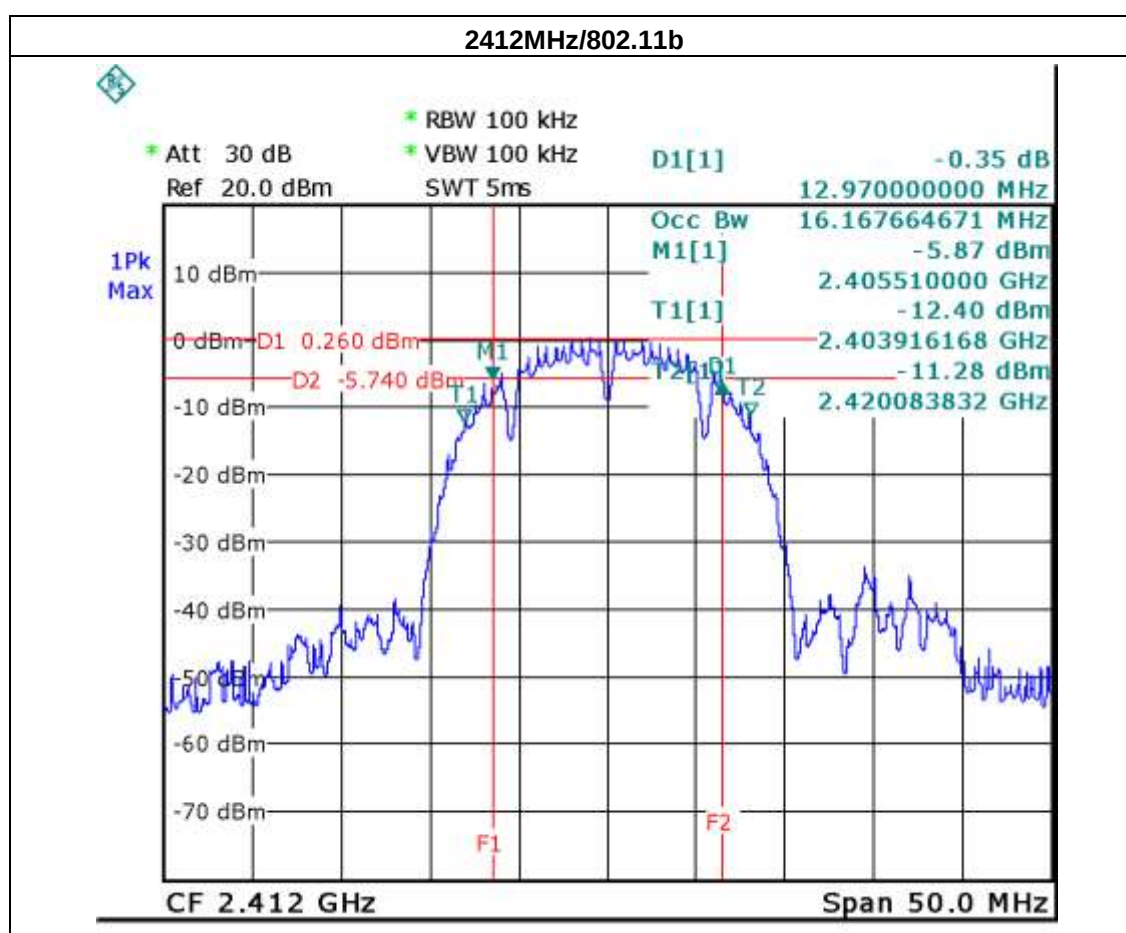
6.5.6 EUT OPERATION CONDITIONS

The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

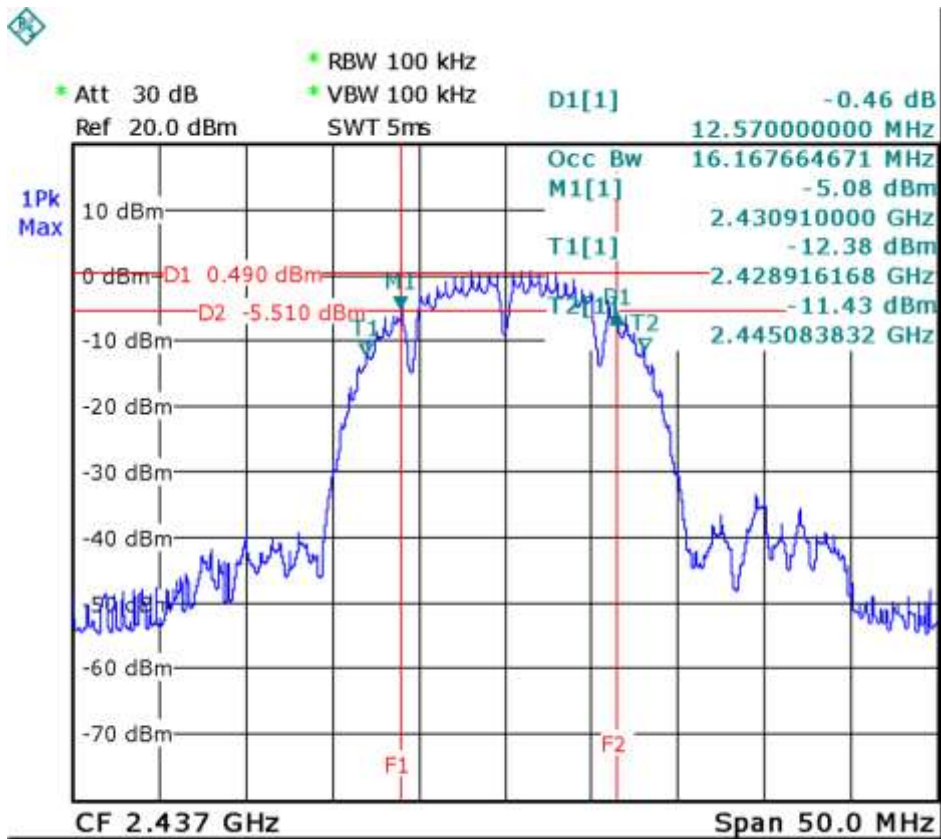
6.5.7 TEST RESULTS

Model:	NS2	Result:	PASS
Temperature:	20°C	Relative Humidity:	55 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Continuously transmitting mode.		

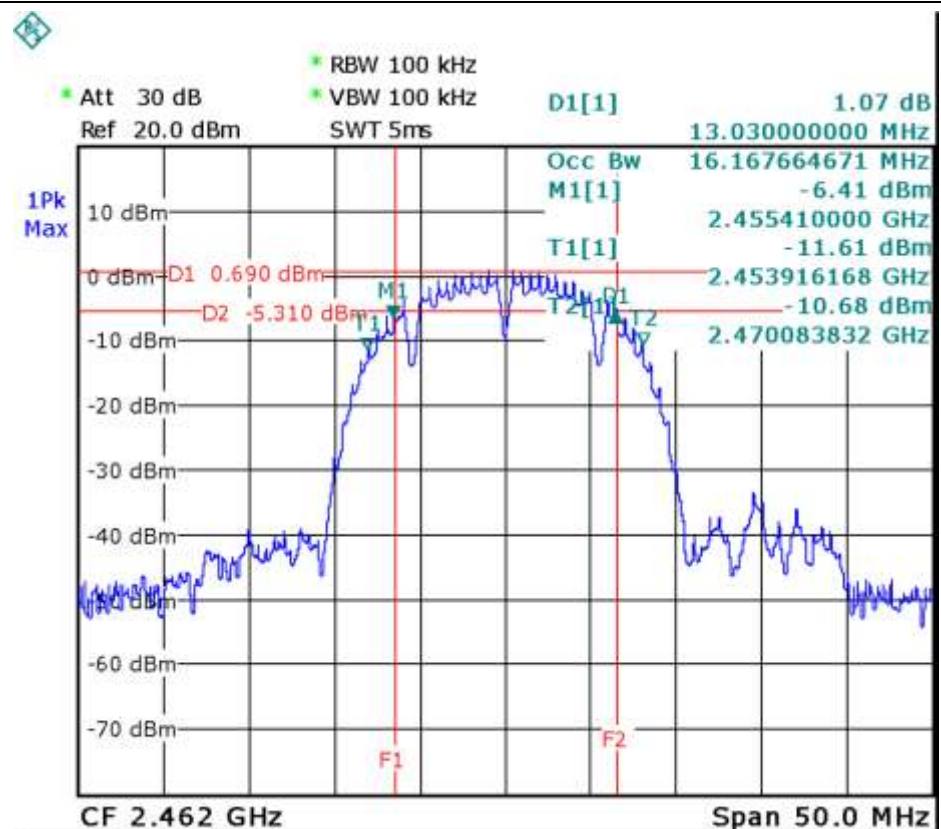
Frequency (MHz)	Mode	Bandwidth	Data Rate	Measurement (MHz)	Limit	Result
2412	802.11b	6dB	1 Mbps	12.97	≥500KHz	Pass
2437		6dB	1 Mbps	12.57		Pass
2462		6dB	1 Mbps	13.03		Pass
2412	802.11g	6dB	6 Mbps	16.47	≥500KHz	Pass
2437		6dB	6 Mbps	16.51		Pass
2462		6dB	6 Mbps	16.37		Pass



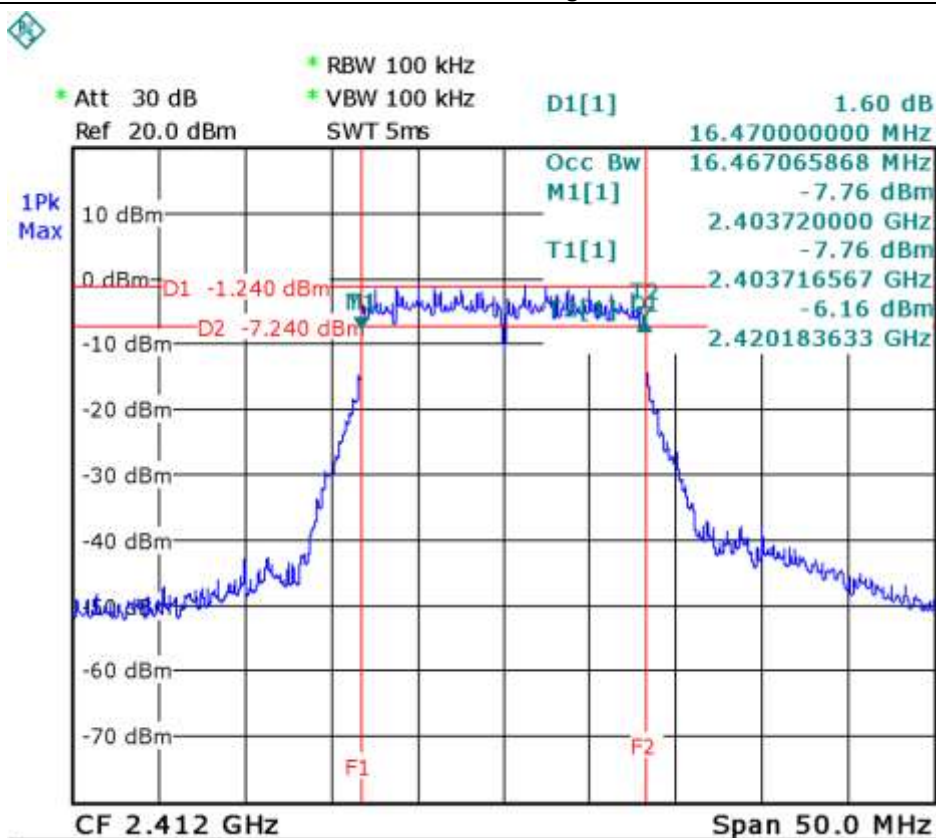
2437MHz/802.11b



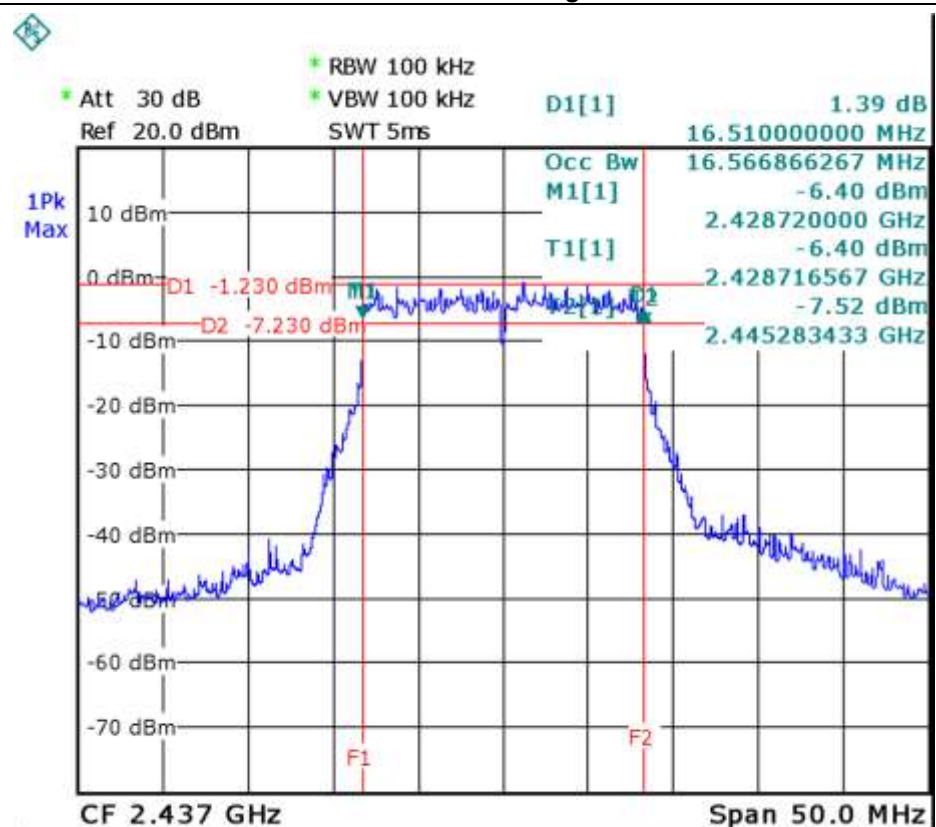
2462MHz/802.11b

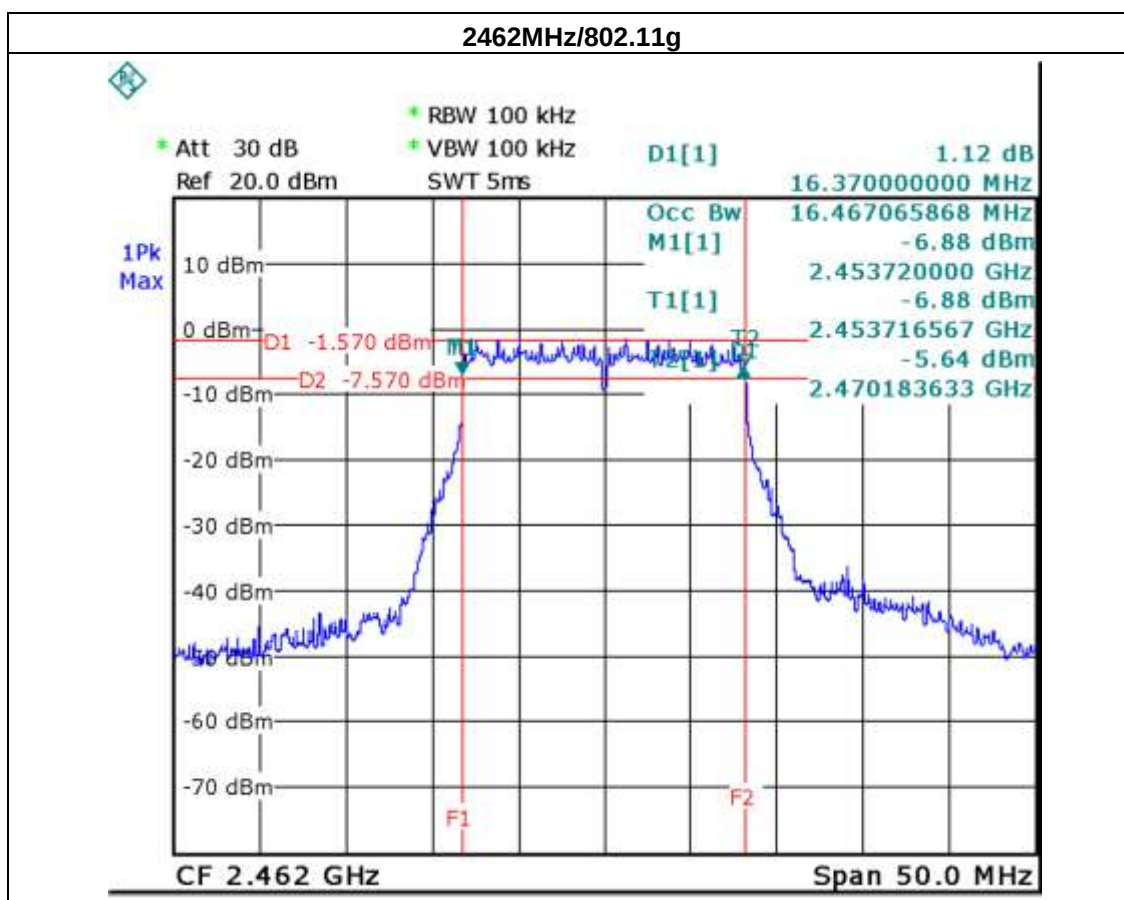


2412MHz/802.11g



2437MHz/802.11g





6.6 MAXIMUN PEAK OUTPUT POWER

6.6.1 APPLIED PROCEDURES / LIMIT

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.

6.6.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSL6	100425	Nov.26.2012

6.6.3 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting : RBW= 1MHz, VBW=3MHz, Sweep time = 5 ms.

6.6.4 DEVIATION FROM STANDARD

No deviation.

6.6.5 TEST SETUP



6.6.6 EUT OPERATION CONDITIONS

The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

6.6.7 TEST RESULTS

Model:	NS2	Result:	PASS
Temperature:	20°C	Relative Humidity:	55 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Continuously transmitting mode.		

Frequency (MHz)	Mode	Data Rate	Measurement (dBm)	Limit	Result
2412	802.11b	1 Mbps	13.60	≤ 30dBm	Pass
2437		1 Mbps	13.75		Pass
2462		1 Mbps	13.73		Pass
2412	802.11g	6 Mbps	17.04		Pass
2437		6 Mbps	16.99		Pass
2462		6 Mbps	16.91		Pass

6.7 PEAK POWER SPECTRAL DENSITY

6.7.1 APPLIED PROCEDURES / LIMIT

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

6.7.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSL6	100425	Nov.26.2012

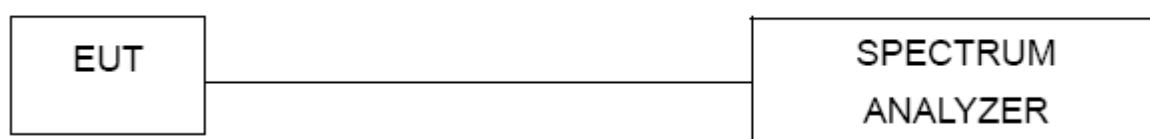
6.7.3 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW= 3kHz, VBW=30kHz, Span=1.5MHz, Sweep time = 500s.

6.7.4 DEVIATION FROM STANDARD

No deviation.

6.7.5 TEST SETUP



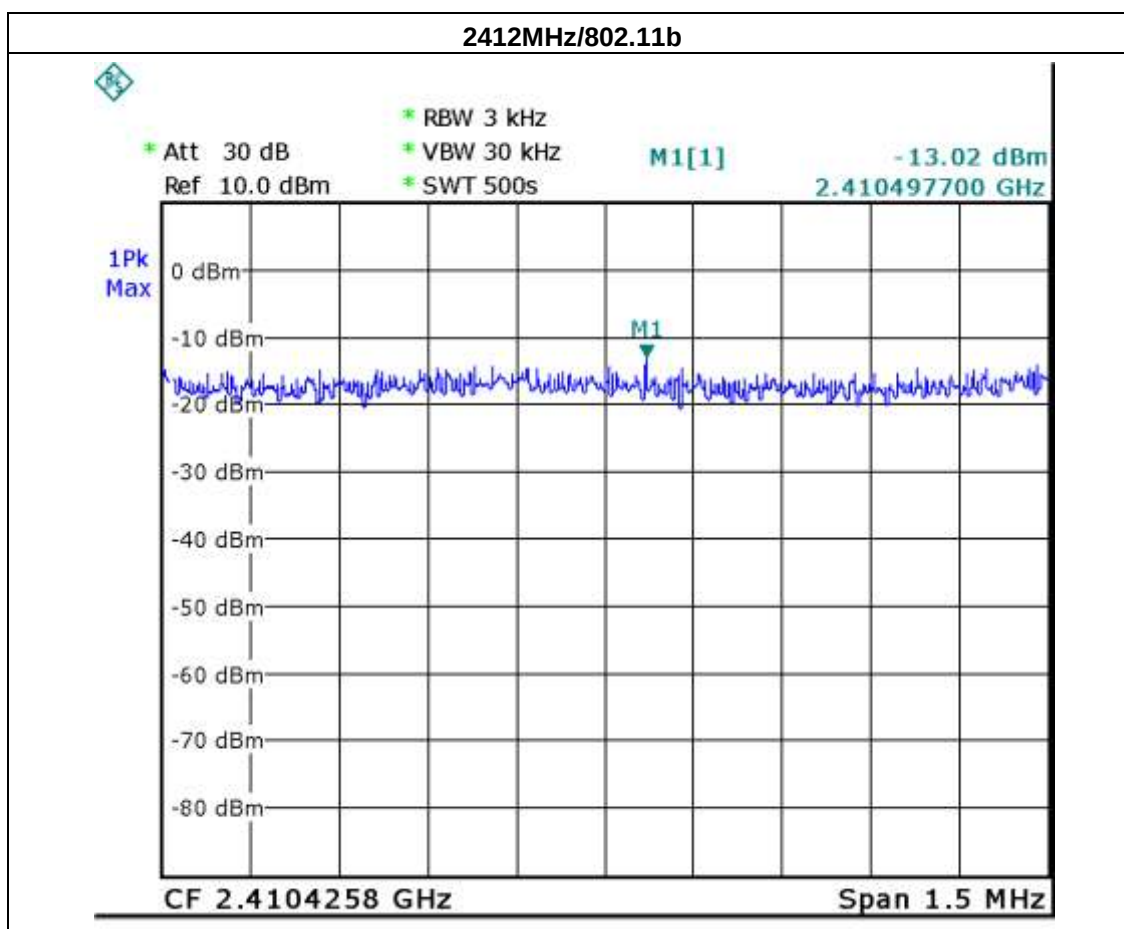
6.7.6 EUT OPERATION CONDITIONS

The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

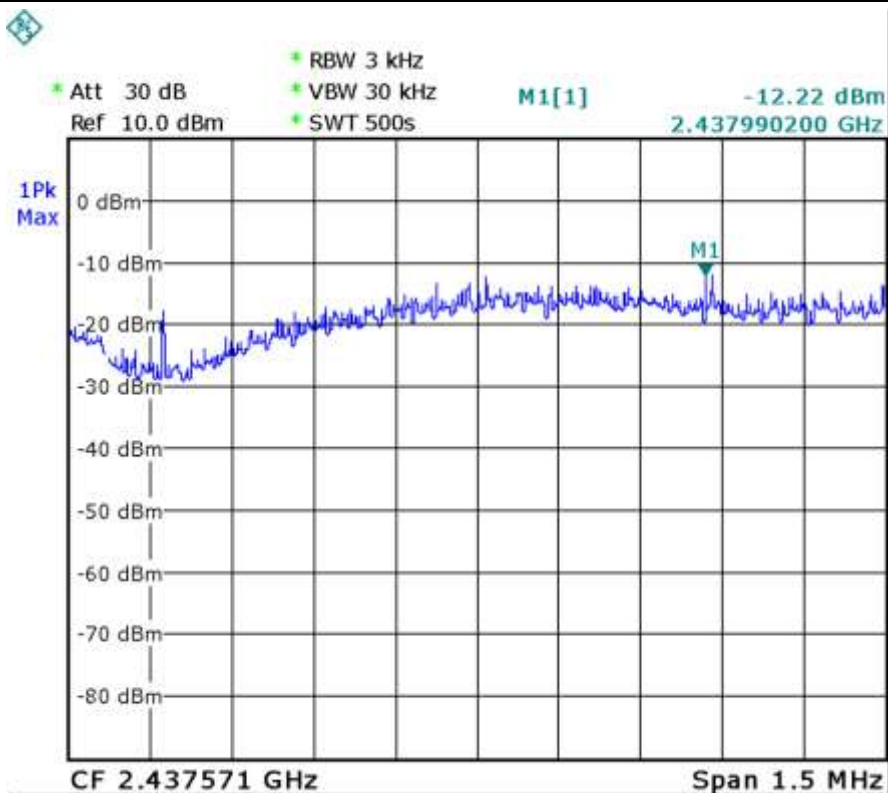
6.7.7 TEST RESULTS

Model:	NS2	Result:	PASS
Temperature:	20°C	Relative Humidity:	55 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Continuously transmitting mode.		

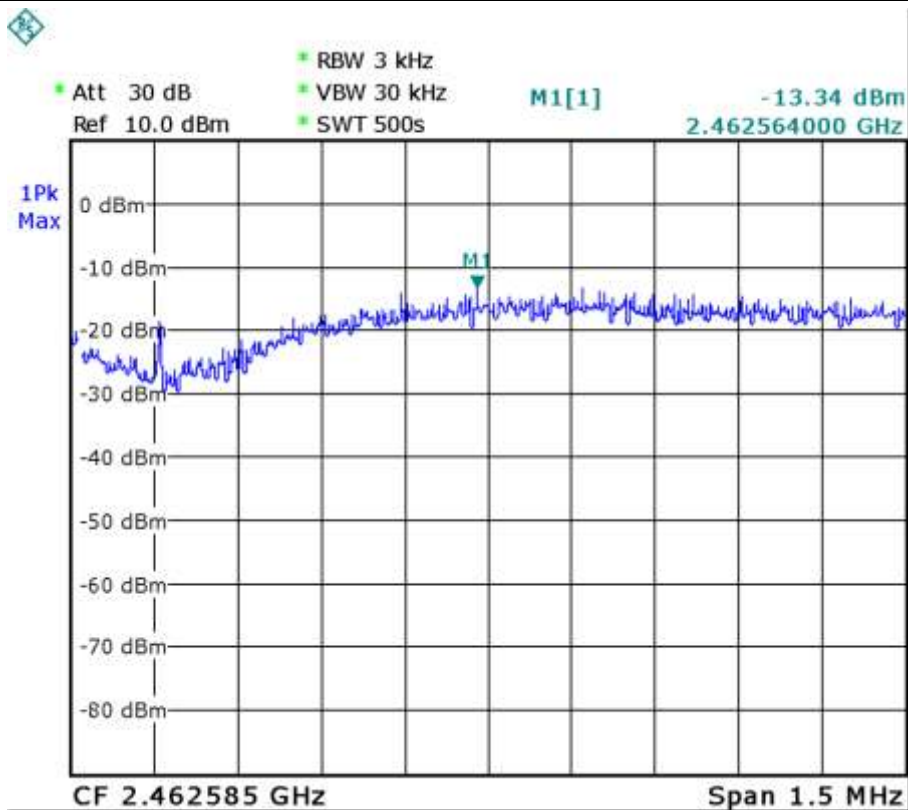
Frequency (MHz)	Mode	Data Rate	Measurement (dBm/3KHz)	Limit	Result
2412	802.11b	1 Mbps	-13.02	≤ 8dBm/3KHz	Pass
2437		1 Mbps	-12.22		Pass
2462		1 Mbps	-13.34		Pass
2412	802.11g	6 Mbps	-15.99		Pass
2437		6 Mbps	-15.79		Pass
2462		6 Mbps	-15.96		Pass



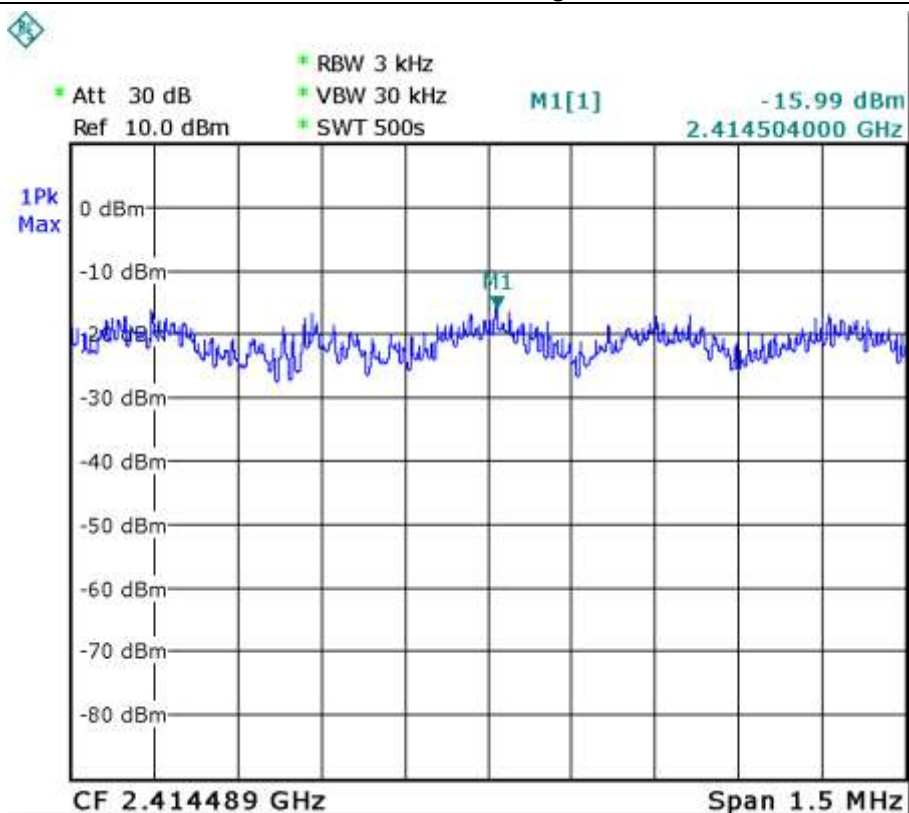
2437MHz/802.11b



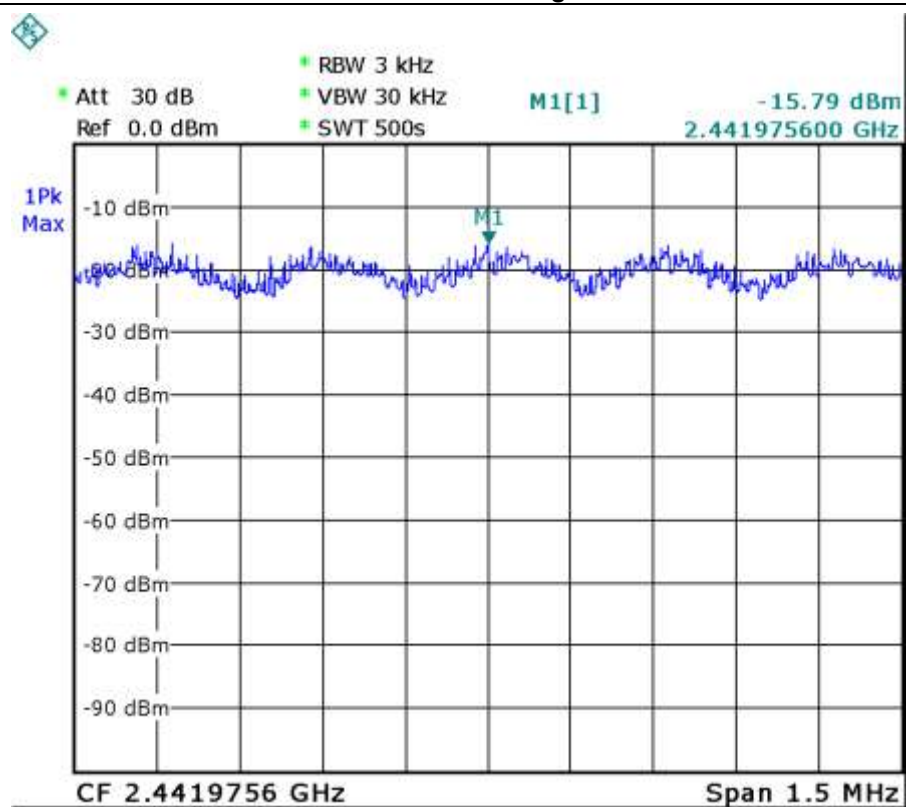
2462MHz/802.11b

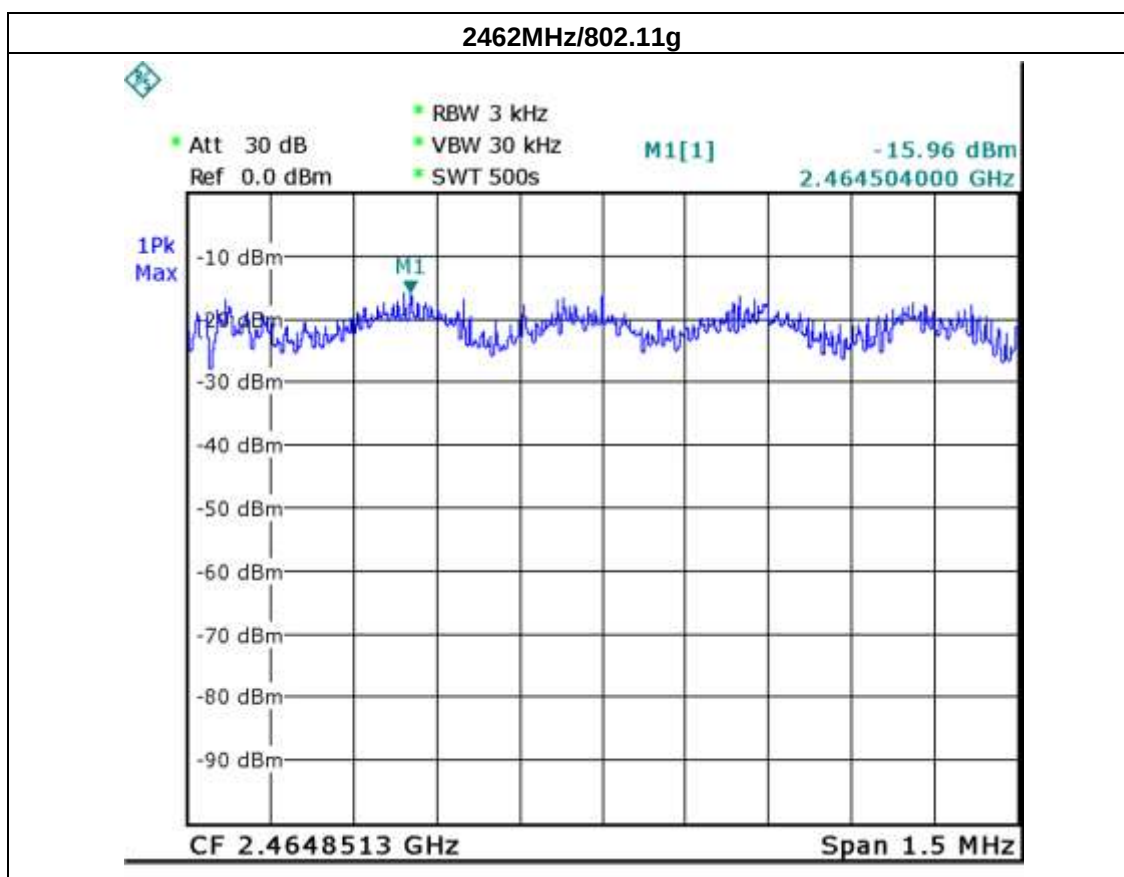


2412MHz/802.11g



2437MHz/802.11g





6.8 CONDUCTED SPURIOUS EMISSION

6.8.1 APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) .

6.8.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.26.2012
2	Spectrum Analyzer	R&S	FSL6	100425	Nov.26.2012

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

6.8.3 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.

6.8.4 DEVIATION FROM STANDARD

No deviation.

6.8.5 TEST SETUP



6.8.6 EUT OPERATION CONDITIONS

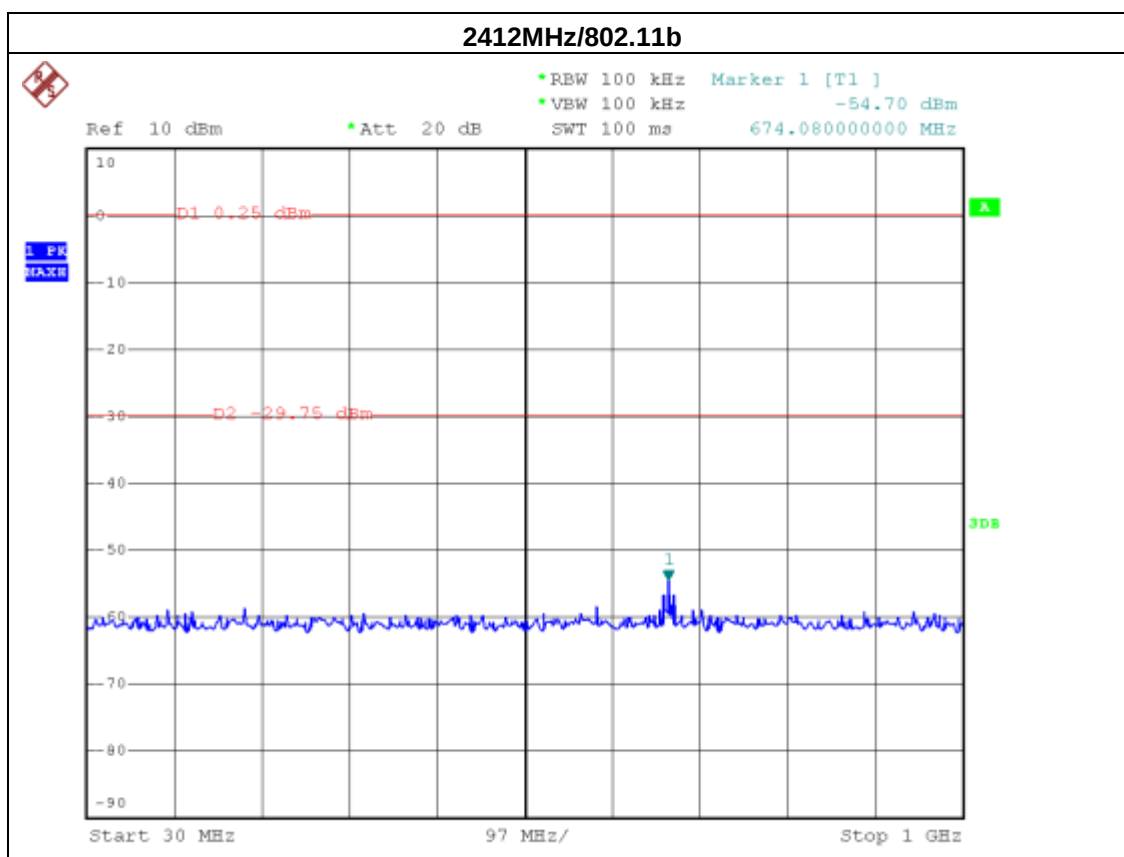
The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

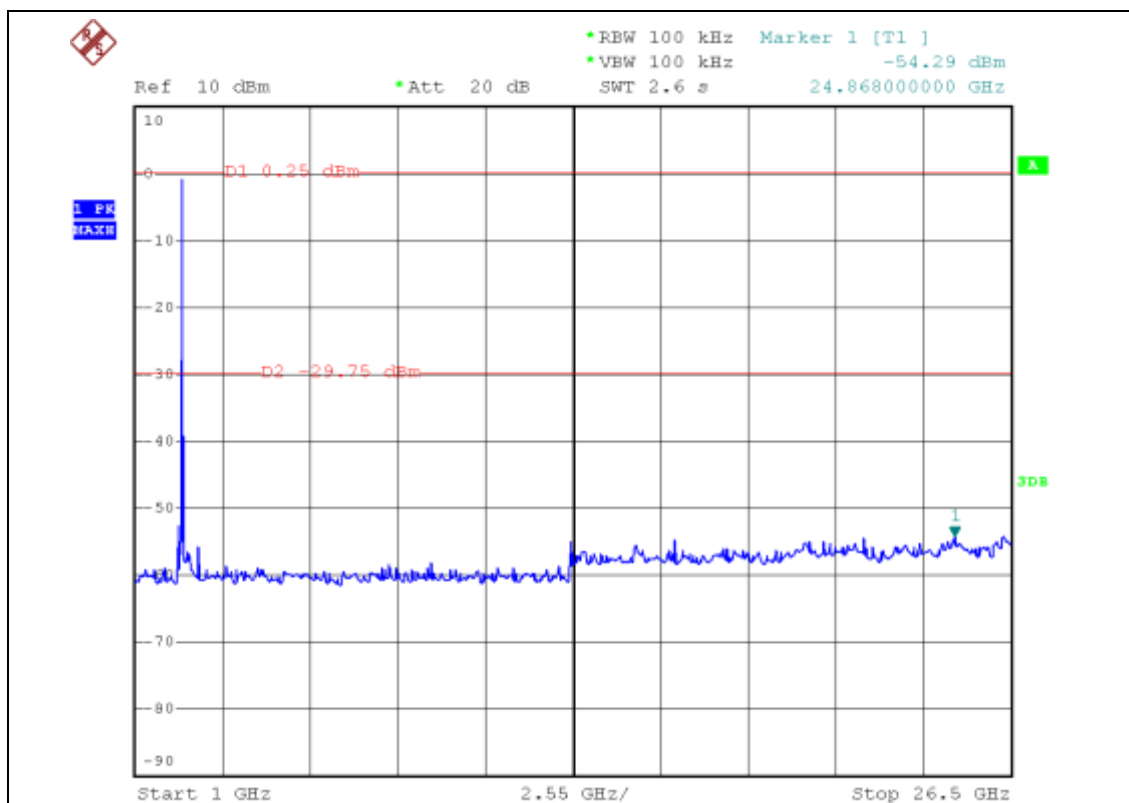
6.8.7 TEST RESULTS

Model:	NS2	Result:	PASS
Temperature:	20°C	Relative Humidity:	55 %
Pressure:	1001 hPa	Test voltage:	120Vac
Test Mode :	Continuously transmitting mode.		

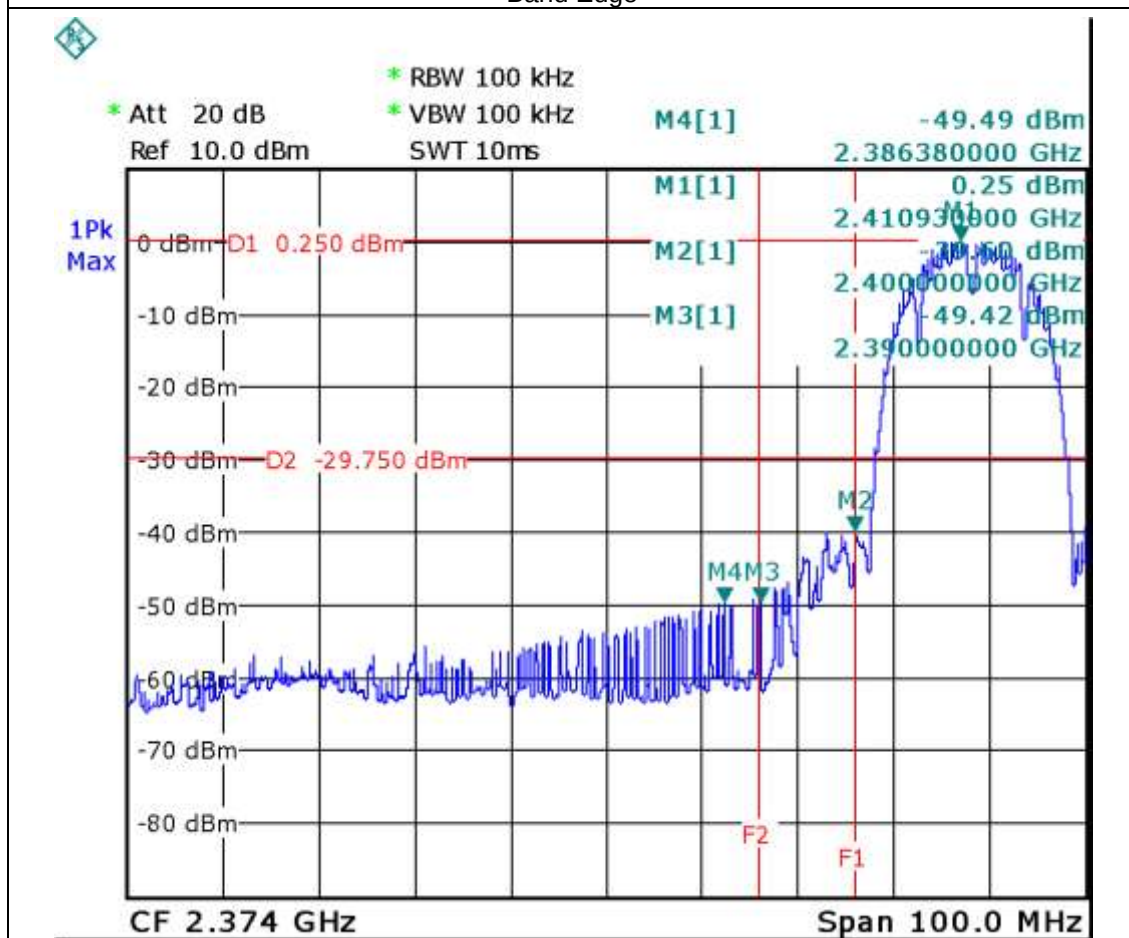
Result

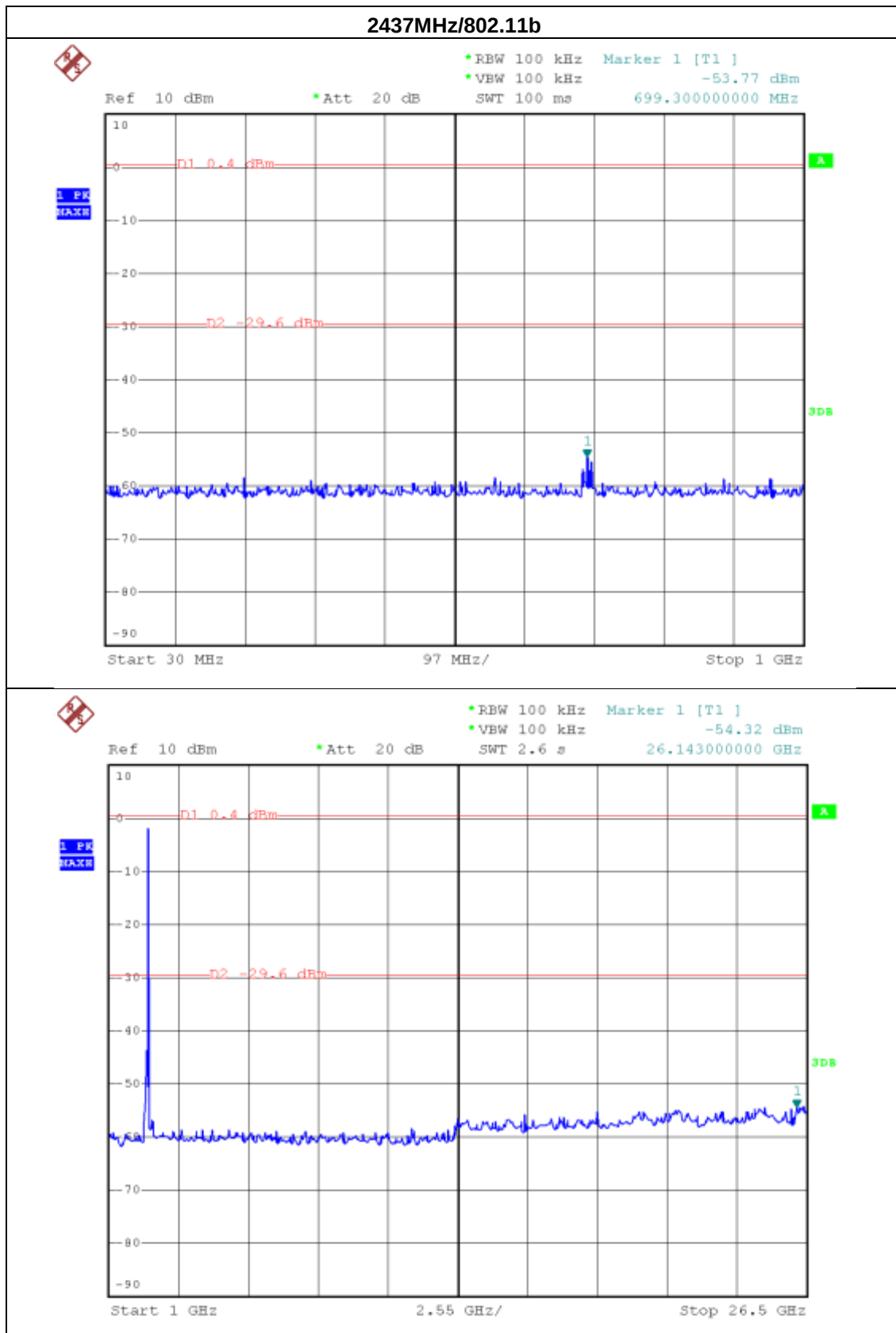
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

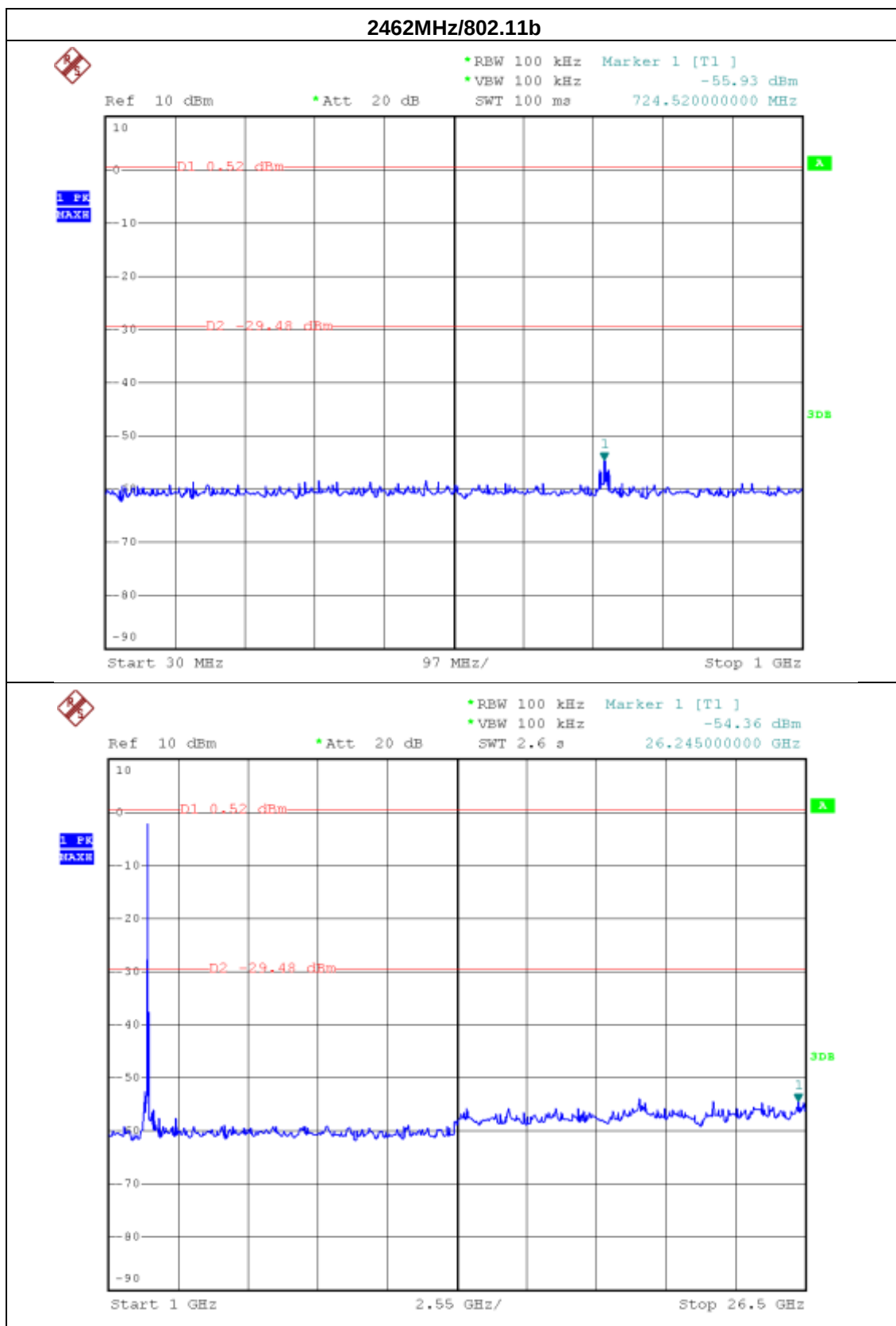




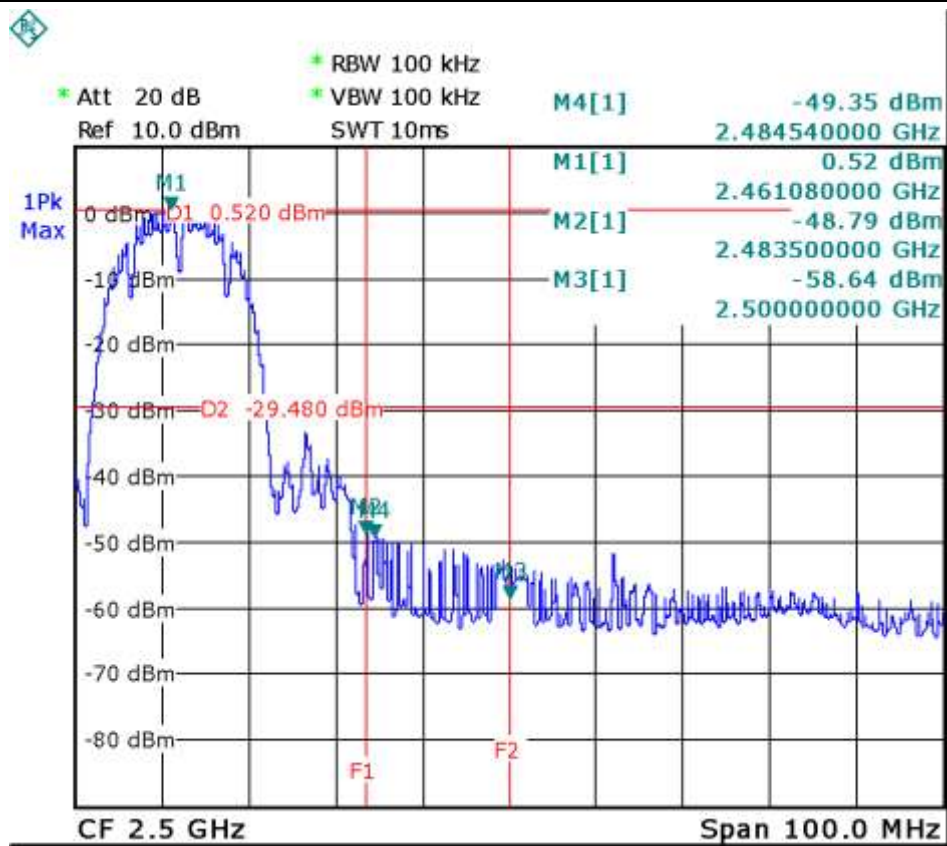
Band Edge



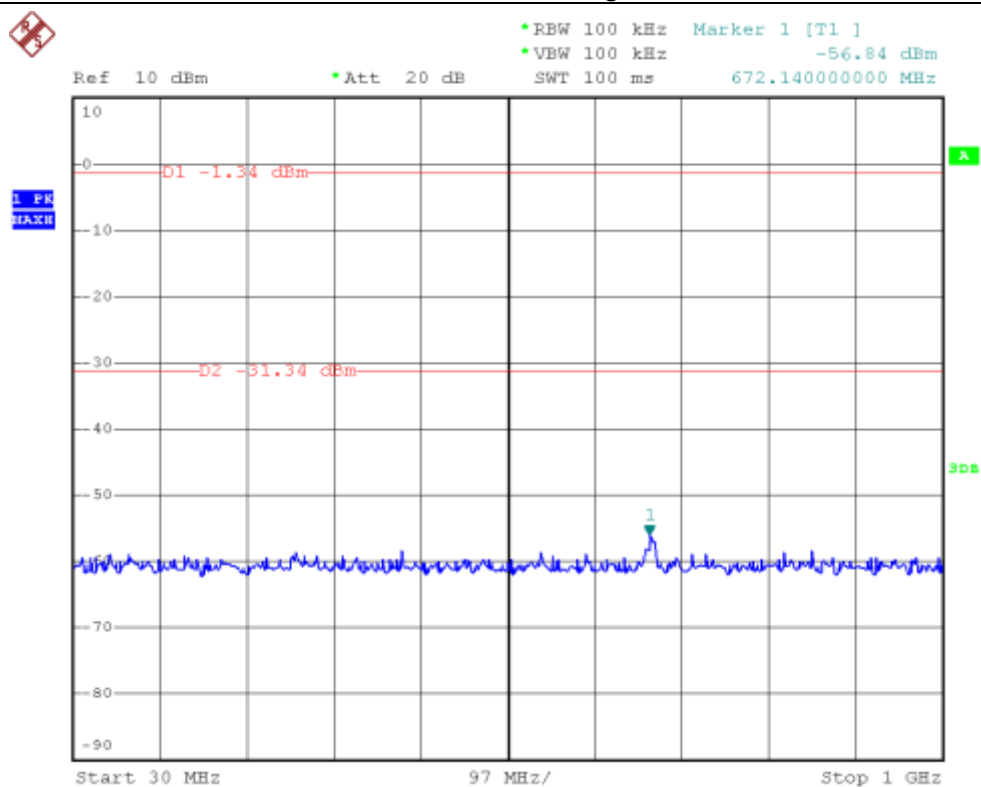


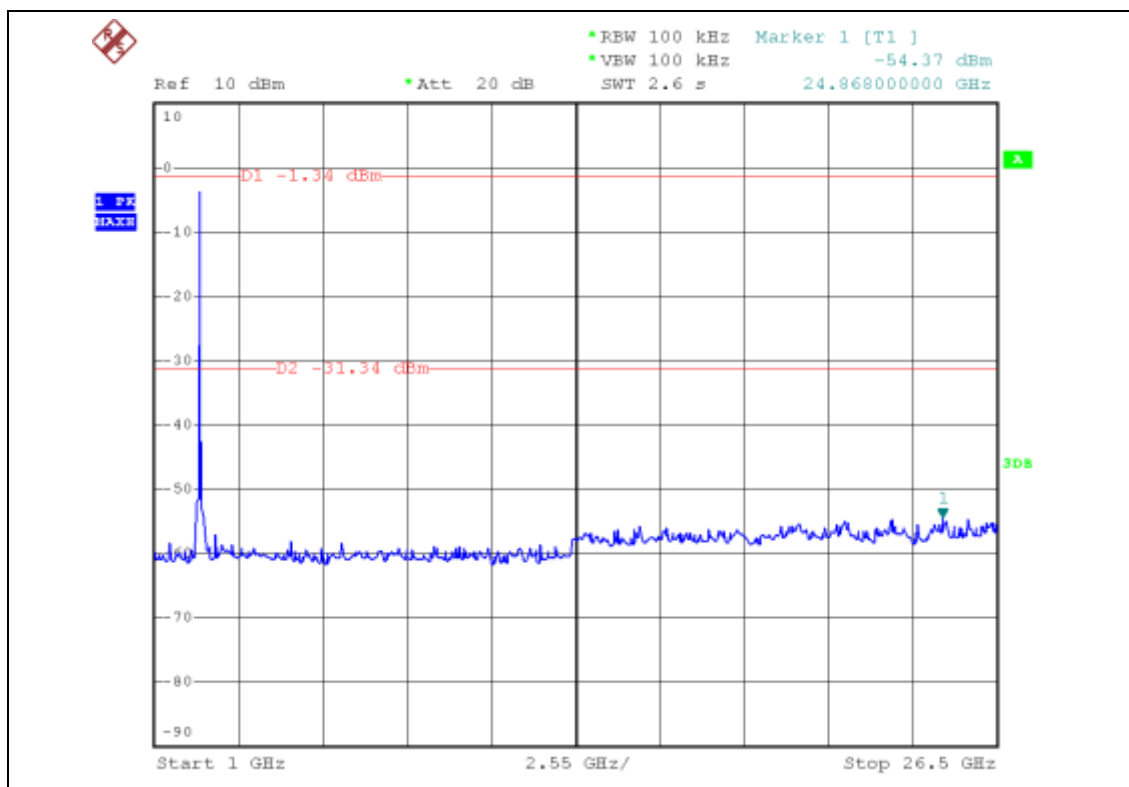


Band Edge



2412MHz/802.11g





Band Edge

