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Report No.: FCC13-RTE070605
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FCC REPORT

Applicant: Archos SA

Address of Applicant: 12 rue Ampere, 91430 Igny, France

Equipment Under Test (EUT)

Product Name: 9.7inch Tablet

Model No.: AC97BPL

Trade Mark: Qilive

FCC ID: SOVAC97BPL

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.249:2012

Date of sample receipt: 2013-07-09

Date of Test: 2013-07-12 to 2013-07-26

Date of report issued: 2013-07-27

Test Result : PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Kevin Yu
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the EBO product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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2 Version

| Version No. | Date | Description |
|-------------|---------------|-------------|
| 00 | July 27, 2013 | Original |
| | | |
| | | |
| | | |
| | | |

Prepared By:**Date:**

July 27, 2013

Project Engineer**Check By:****Date:**

July 27, 2013

Reviewer

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4 Test Summary

| Test Item | Section in CFR 47 | Result |
|------------------------------------------|-----------------------|--------|
| Antenna requirement | 15.203 | Pass |
| AC Power Line Conducted Emission | 15.207 | Pass |
| Field strength of the fundamental signal | 15.249 (a) | Pass |
| Spurious emissions | 15.249 (a) (d)/15.209 | Pass |
| Band edge | 15.249 (d)/15.205 | Pass |
| 20dB Occupied Bandwidth | 15.215 (c) | Pass |

Pass: The EUT complies with the essential requirements in the standard.

N/A: not applicable.

5 General Information

5.1 Client Information

| | |
|----------------------------------|-----------------------------------|
| Applicant: | Archos SA |
| Address of Applicant: | 12 rue Ampere, 91430 Igny, France |
| Manufacturer/Factory: | Archos SA |
| Address of Manufacturer/Factory: | 12 rue Ampere, 91430 Igny, France |

5.2 General Description of EUT

| | |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|
| Product Name: | 9.7inch Tablet |
| Model No.: | AC97BPL |
| Operation Frequency: | 2402- 2480 MHz |
| Channel numbers: | 79 |
| Channel separation: | 1MHz |
| Modulation type: | GFSK, Pi/4QPSK, 8DPSK |
| Antenna Type: | Integral |
| Antenna gain: | 2dBi (declare by Applicant) |
| Power supply: | Adapter: Model No.: HNO090250X Input: 100-240VAC, 50/60Hz, 0.6A MAX Output: 9VDC, 2.5A Or 7.4V Li-ion Battery |

| Operation Frequency each of channel | | | | | | | |
|--------------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1 | 2402MHz | 21 | 2422MHz | 41 | 2442MHz | 61 | 2462MHz |
| 2 | 2403MHz | 22 | 2423MHz | 42 | 2443MHz | 62 | 2463MHz |
| ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |
| 19 | 2420MHz | 39 | 2440MHz | 59 | 2460MHz | 79 | 2480MHz |
| 20 | 2421MHz | 40 | 2441MHz | 60 | 2461MHz | | |

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

| Channel | Frequency |
|---------------------|-----------|
| The lowest channel | 2402MHz |
| The middle channel | 2441MHz |
| The Highest channel | 2480MHz |

5.3 Test mode

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Transmitting mode | Keep the EUT in continuously transmitting mode with GFSK modulation. |
| <i>Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.</i> | |

Per-test mode.

We have verified the construction and function in typical operation, The EUT was placed on three different polar directions; i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows:

| Axis | X | Y | Z |
|------------------------|-------|-------|-------|
| Field Strength(dBuV/m) | 96.65 | 95.23 | 94.16 |

Final Test Mode:

According to ANSI C63.4 standards, the test results are both the "worst case" and "worst setup":
X axis (see the test setup photo)

5.4 Description of Support Units

None.

5.5 Test Facility

QuieTek Technology (Suzhou) Co., Ltd.
FCC Registered Test Site Number: 800392

5.6 Test Location

All tests were performed at:
No. 99 Hongye Rd., Suzhou Industrial Park Loufeng Hi-Tech Development Zone, Suzhou, China

5.7 Other Information Requested by the Customer

None.

6 Test Instruments list

| Instrument | Manufacturer | Model No. | Cali. Due Date |
|---------------------------------|--------------|-------------|----------------|
| EMI Test Receiver | R&S | ESCI | 2014.01.07 |
| Two-Line V-Network | R&S | ENV216 | 2014.04.18 |
| Two-Line V-Network | R&S | ENV216 | 2013.09.18 |
| V-Network | R&S | ESH3-Z6 | 2013.09.17 |
| V-Network | R&S | ESH3-Z6 | 2013.09.17 |
| Impedance Stabilization Network | Teseq GmbH | ISN T800 | 2014.02.24 |
| Impedance Stabilization Network | Teseq GmbH | ISN T8-Cat6 | 2014.02.24 |
| Current Probe | R&S | EZ-17 | 2014.04.18 |
| 50ohm Termination | SHX | TF2 | 2013.09.17 |
| 50ohm Termination | SHX | TF2 | 2013.09.17 |
| 50ohm Termination | SHX | TF2 | 2013.09.17 |
| 50ohm Coaxial Switch | Anritsu | MP59B | 2014.03.02 |
| Coaxial Cable | Suhner | RG 223 | 2014.03.02 |

Radiated disturbance Below 1G

| Instrument | Manufacturer | Model No. | Cali. Due Date |
|-------------------|--------------|--------------|----------------|
| EMI Test Receiver | R&S | ESCI | 2014.04.18 |
| Bilog Antenna | Teseq GmbH | CBL6112D | 2013.10.15 |
| Coaxial Cable | Huber+Suhner | SUCOFLEX 106 | 2014.03.02 |

Radiated disturbance Above 1G

| Instrument | Manufacturer | Model No. | Cali. Due Date |
|-------------------|--------------|--------------|----------------|
| Spectrum Analyzer | Agilent | N9010A | 2014.04.18 |
| Preamplifier | Miteq | NSP1800-25 | 2014.05.04 |
| DRG Horn | ETS-Lindgren | 3117 | 2014.01.21 |
| Coaxial Cable | Huber+Suhner | SUCOFLEX 106 | 2014.03.02 |

7 Test results and Measurement Data

7.1 Antenna requirement:

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Standard requirement: | FCC Part15 C Section 15.203 |
| 15.203 requirement: | |
| An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. | |
| E.U.T Antenna: | |
| <i>The antenna is Integral Antenna, the best case gain of the antenna is 2dBi.</i> | |

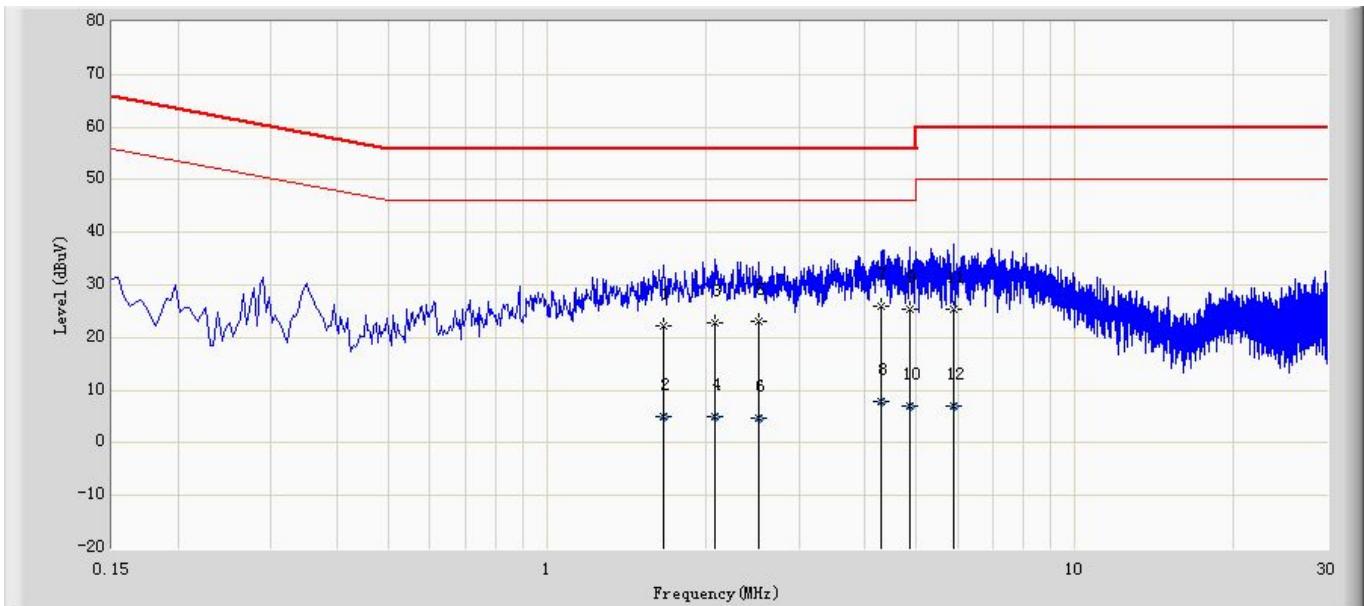
7.2 Conducted Emissions

| Test Requirement: | FCC Part15 C Section 15.207 | | | | | | | | | | | | | | | | |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--|-----------------------|--------------|--|------------|---------|----------|-----------|-----------|-------|----|----|------|----|----|
| Test Method: | ANSI C63.4:2003 | | | | | | | | | | | | | | | | |
| Test Frequency Range: | 150KHz to 30MHz | | | | | | | | | | | | | | | | |
| Class / Severity: | Class B | | | | | | | | | | | | | | | | |
| Receiver setup: | RBW=9KHz, VBW=30KHz, Sweep time=auto | | | | | | | | | | | | | | | | |
| Limit: | <table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table> | | | Frequency range (MHz) | Limit (dBuV) | | Quasi-peak | Average | 0.15-0.5 | 66 to 56* | 56 to 46* | 0.5-5 | 56 | 46 | 5-30 | 60 | 50 |
| Frequency range (MHz) | Limit (dBuV) | | | | | | | | | | | | | | | | |
| | Quasi-peak | Average | | | | | | | | | | | | | | | |
| 0.15-0.5 | 66 to 56* | 56 to 46* | | | | | | | | | | | | | | | |
| 0.5-5 | 56 | 46 | | | | | | | | | | | | | | | |
| 5-30 | 60 | 50 | | | | | | | | | | | | | | | |
| | * Decreases with the logarithm of the frequency. | | | | | | | | | | | | | | | | |
| Test setup: | <p>Reference Plane</p> <p>Test table/Insulation plane</p> <p>Remark E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p> | | | | | | | | | | | | | | | | |
| Test procedure: | <ol style="list-style-type: none"> 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement. | | | | | | | | | | | | | | | | |
| Test Instruments: | Refer to section 6.0 for details | | | | | | | | | | | | | | | | |
| Test mode: | Refer to section 5.3 for details | | | | | | | | | | | | | | | | |
| Test results: | Pass | | | | | | | | | | | | | | | | |

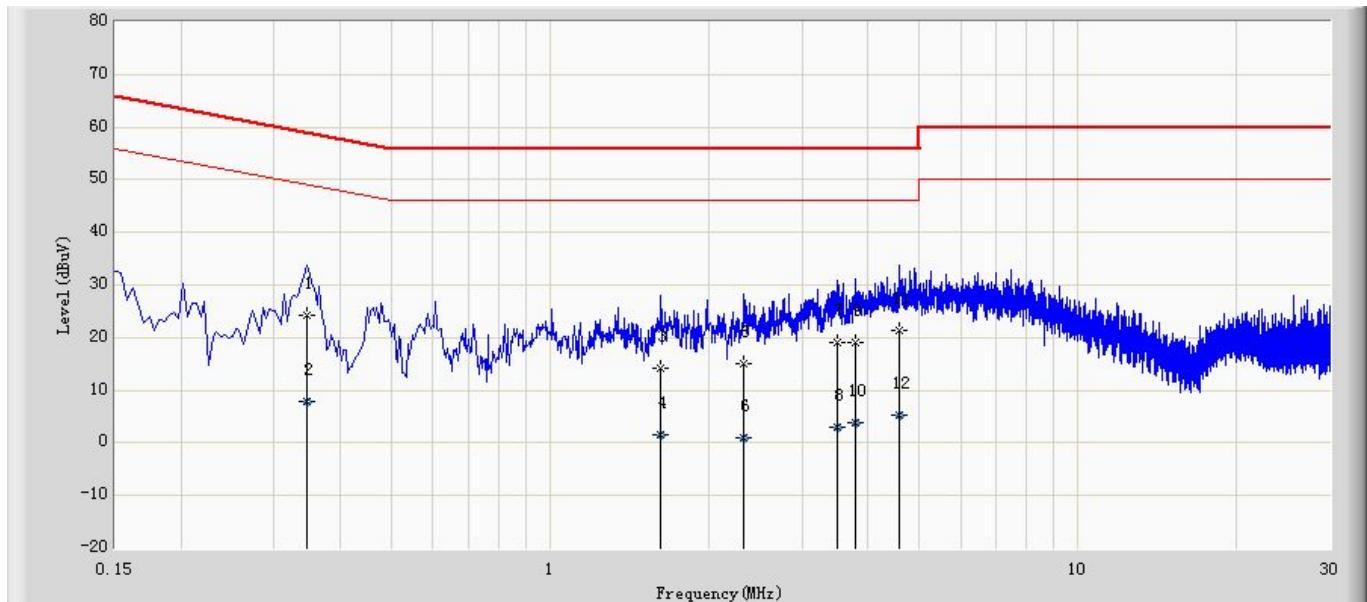
Measurement data:

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Line:



| No | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1 | 1.666 | 22.161 | 12.367 | -33.839 | 56.00 | 9.794 | QP |
| 2 | 1.666 | 5.105 | -4.689 | -40.895 | 46.00 | 9.794 | AV |
| 3 | 2.074 | 22.858 | 13.068 | -33.142 | 56.00 | 9.790 | QP |
| 4 | 2.074 | 5.077 | -4.713 | -40.923 | 46.00 | 9.790 | AV |
| 5 | 2.514 | 23.141 | 13.339 | -32.859 | 56.00 | 9.802 | QP |
| 6 | 2.514 | 4.780 | -5.022 | -41.220 | 46.00 | 9.802 | AV |
| 7 | 4.306 | 26.104 | 16.256 | -29.896 | 56.00 | 9.848 | QP |
| 8 | 4.306 | 7.837 | -2.011 | -38.163 | 46.00 | 9.848 | AV |
| 9 | 4.866 | 25.445 | 15.585 | -30.555 | 56.00 | 9.860 | QP |
| 10 | 4.866 | 7.147 | -2.713 | -38.853 | 46.00 | 9.860 | AV |
| 11 | 5.878 | 25.377 | 15.484 | -34.623 | 60.00 | 9.893 | QP |
| 12 | 5.878 | 6.894 | -2.999 | -43.106 | 50.00 | 9.893 | AV |

Neutral:

| No | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|----|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1 | 0.346 | 24.228 | 14.256 | -34.830 | 59.058 | 9.973 | QP |
| 2 | 0.346 | 7.932 | -2.040 | -41.126 | 49.058 | 9.973 | AV |
| 3 | 1.618 | 14.289 | 4.307 | -41.711 | 56.000 | 9.982 | QP |
| 4 | 1.618 | 1.456 | -8.526 | -44.544 | 46.000 | 9.982 | AV |
| 5 | 2.326 | 15.085 | 5.116 | -40.915 | 56.000 | 9.969 | QP |
| 6 | 2.326 | 1.099 | -8.870 | -44.901 | 46.000 | 9.969 | AV |
| 7 | 3.506 | 19.024 | 8.998 | -36.976 | 56.000 | 10.026 | QP |
| 8 | 3.506 | 3.103 | -6.923 | -42.897 | 46.000 | 10.026 | AV |
| 9 | 3.798 | 19.193 | 9.148 | -36.807 | 56.000 | 10.044 | QP |
| 10 | 3.798 | 3.838 | -6.206 | -42.162 | 46.000 | 10.044 | AV |
| 11 | 4.598 | 21.312 | 11.234 | -34.688 | 56.000 | 10.078 | QP |
| 12 | 4.598 | 5.211 | -4.867 | -40.789 | 46.000 | 10.078 | AV |

Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Reading Level + Factor

7.3 Radiated Emission Method

| | | | | | | | | | |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------|------------------|------------------|--|--|--|--|
| Test Requirement: | FCC Part15 C Section 15.209 | | | | | | | | |
| Test Method: | ANSI C63.4:2003 | | | | | | | | |
| Test Frequency Range: | 30MHz to 25GHz | | | | | | | | |
| Test site: | Measurement Distance: 3m | | | | | | | | |
| Receiver setup: | Frequency | Detector | RBW | VBW | Remark | | | | |
| | 30MHz-1GHz | Quasi-peak | 120KHz | 300KHz | Quasi-peak Value | | | | |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak Value | | | | |
| Limit: (Field strength of the fundamental signal) | Frequency | Limit (dBuV/m @3m) | | Remark | | | | | |
| | 2400MHz-2483.5MHz | | 94.00 | Average Value | | | | | |
| | | | 114.00 | Peak Value | | | | | |
| Limit: (Spurious Emissions) | Frequency | Limit (dBuV/m @3m) | | Remark | | | | | |
| | 30MHz-88MHz | 40.00 | | Quasi-peak Value | | | | | |
| | 88MHz-216MHz | 43.50 | | Quasi-peak Value | | | | | |
| | 216MHz-960MHz | 46.00 | | Quasi-peak Value | | | | | |
| | 960MHz-1GHz | 54.00 | | Quasi-peak Value | | | | | |
| | Above 1GHz | 54.00 | | Average Value | | | | | |
| Limit: (band edge) | Frequency | 74.00 | | Peak Value | | | | | |
| | 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 to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation. | | | | | | | | |
| | Test setup: | | | | | | | | |
| Below 1GHz | Turn Table | | | | | | | | |
| | EUT | | | | | | | | |
| Above 1GHz | Antenna Tower | | | | | | | | |
| | Search Antenna | | | | | | | | |
| | RF Test Receiver | | | | | | | | |
| | Ground Plane | | | | | | | | |

| | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | |
| Test Procedure: | <ol style="list-style-type: none"> 1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. |
| Test Instruments: | Refer to section 6.0 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Pass |

Measurement data:

7.3.1 Field Strength of The Fundamental Signal

Peak value:

| Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Antenna Polarization |
|-----------------|----------------------|----------------------|-----------------|--------------|-------------|----------------------|
| 2402.00 | 95.03 | 67.31 | -18.97 | 114.00 | 27.73 | Horizontal |
| 2402.00 | 94.21 | 66.48 | -19.79 | 114.00 | 27.73 | Vertical |
| 2441.00 | 95.76 | 67.88 | -18.24 | 114.00 | 27.88 | Horizontal |
| 2441.00 | 91.56 | 63.68 | -22.44 | 114.00 | 27.88 | Vertical |
| 2480.00 | 96.64 | 68.60 | -17.36 | 114.00 | 28.04 | Horizontal |
| 2480.00 | 93.83 | 65.79 | -20.17 | 114.00 | 28.04 | Vertical |

Average value:

| Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Antenna Polarization |
|-----------------|----------------------|----------------------|-----------------|--------------|-------------|----------------------|
| 2402.00 | 82.02 | 54.29 | -11.98 | 94.00 | 27.73 | Horizontal |
| 2402.00 | 81.61 | 53.88 | -12.39 | 94.00 | 27.73 | Vertical |
| 2441.00 | 81.42 | 53.54 | -12.58 | 94.00 | 27.88 | Horizontal |
| 2441.00 | 77.74 | 49.86 | -16.26 | 94.00 | 27.88 | Vertical |
| 2480.00 | 82.61 | 54.57 | -11.39 | 94.00 | 28.04 | Horizontal |
| 2480.00 | 78.86 | 50.82 | -15.14 | 94.00 | 28.04 | Vertical |

According to the follow transmitter output power (P_t) formula:

$$P_t = (E \times d)^2 / (30 \times g_t)$$

P_t = transmitter output power in watts

g_t = numeric gain of the transmitting antenna (unitless)

E = electric field strength in V/m

d = measurement distance in meters (m).

According to the above test data, $E_{max}=96.64\text{dBuV}/\text{m}=0.068\text{V}/\text{m}$, $d=3\text{m}$, $g_t=1.58$

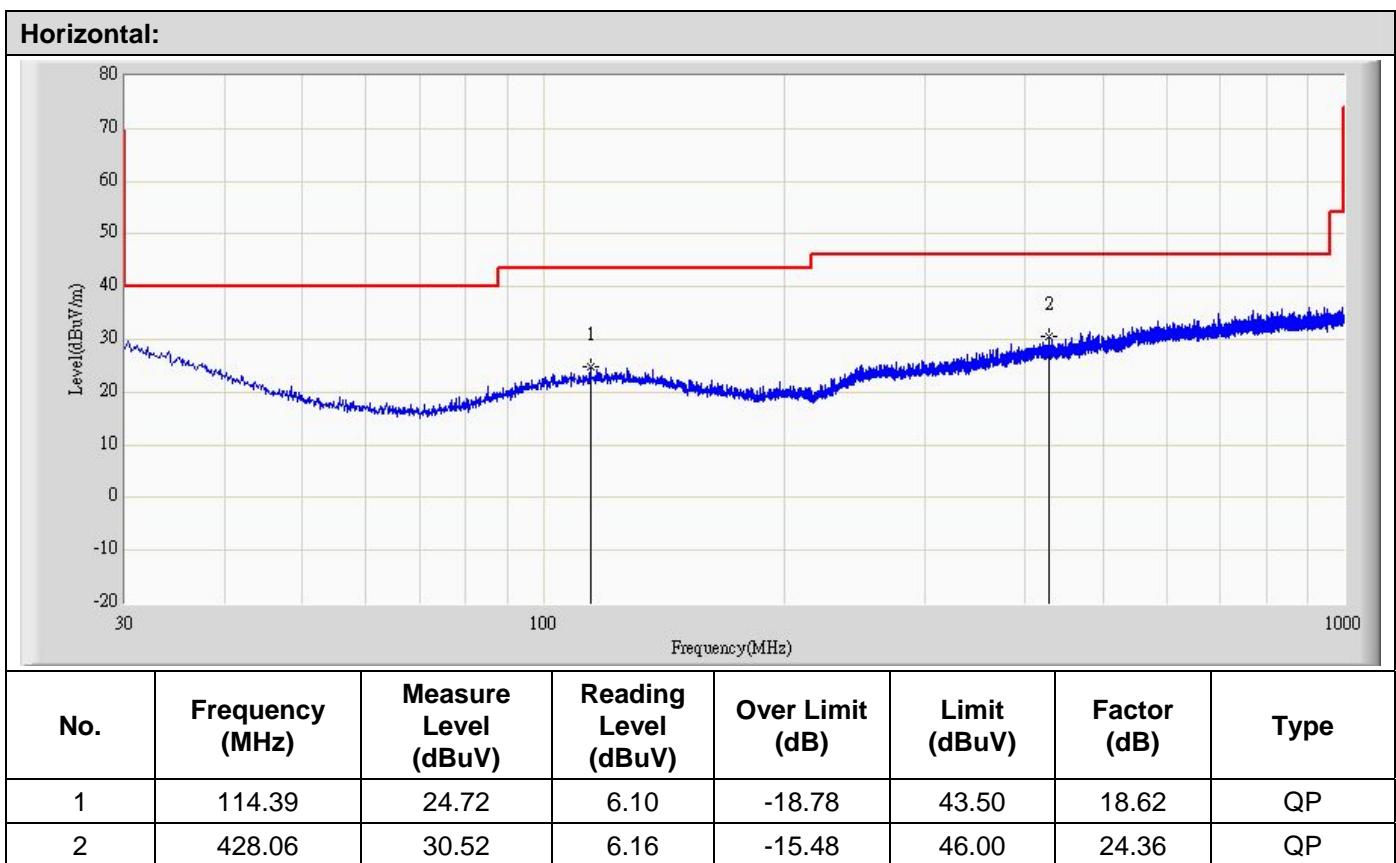
$$P_t = (E \times d)^2 / (30 \times g_t) = (0.068 \times 3)^2 / (30 \times 1.58) = 0.0008752\text{W} = 0.8752\text{mW}$$

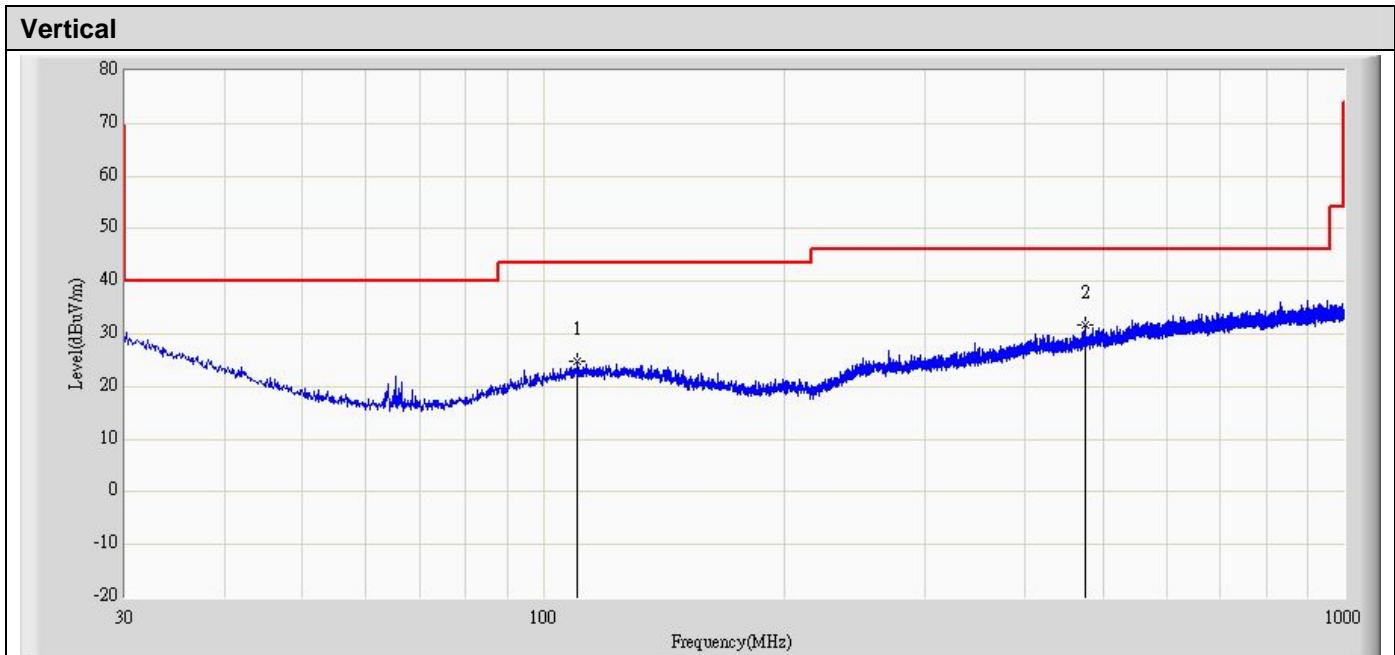
7.3.2 Spurious emissions

Measurement Data:

Below 1GHz

The lowest/middle/highest channels were tested. The worst case is middle channel mode. Only the worst case's data was showing in the report.





| No. | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|-----|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1 | 110.39 | 24.78 | 6.18 | -18.72 | 43.50 | 18.60 | QP |
| 2 | 474.38 | 31.74 | 6.60 | -14.26 | 46.00 | 25.14 | QP |

Above 1GHz:

| 802.11b mode | | | | | | | | |
|--------------|--------------|-----------------|---------------|--------|---------------|----------------|-------------|----------|
| CH. No. | Antenna Pol. | Frequency (MHz) | Reading Level | Factor | Measure Level | Limit (dBuV/m) | Margin (dB) | Detector |
| 00 | H | 4804.00 | 48.30 | -2.60 | 45.70 | 54(Note2) | -8.30 | PK |
| | V | 4804.00 | 47.00 | -2.60 | 44.40 | 54(Note2) | -9.60 | PK |
| | H | 7206.00 | 39.80 | 2.60 | 42.40 | 54(Note2) | -11.60 | PK |
| | V | 7206.00 | 39.70 | 2.60 | 42.30 | 54(Note2) | -11.70 | PK |
| | H | 9608.00 | 40.50 | 4.80 | 45.30 | 54(Note2) | -8.70 | PK |
| | V | 9608.00 | 40.80 | 4.80 | 45.60 | 54(Note2) | -8.40 | PK |
| 39 | H | 4882.00 | 45.80 | -2.30 | 43.50 | 54(Note2) | -10.50 | PK |
| | V | 4882.00 | 44.60 | -2.30 | 42.30 | 54(Note2) | -11.70 | PK |
| | H | 7323.00 | 40.40 | 2.70 | 43.10 | 54(Note2) | -10.90 | PK |
| | V | 7323.00 | 40.50 | 2.70 | 43.20 | 54(Note2) | -10.80 | PK |
| | H | 9764.00 | 40.90 | 4.70 | 45.60 | 54(Note2) | -8.40 | PK |
| | V | 9764.00 | 40.70 | 4.70 | 45.40 | 54(Note2) | -8.60 | PK |
| 78 | H | 4960.00 | 40.80 | -2.00 | 38.80 | 54(Note2) | -15.20 | PK |
| | V | 4960.00 | 41.80 | -2.00 | 39.80 | 54(Note2) | -14.20 | PK |
| | H | 7440.00 | 40.70 | 2.70 | 43.40 | 54(Note2) | -10.60 | PK |
| | V | 7440.00 | 40.60 | 2.70 | 43.30 | 54(Note2) | -10.70 | PK |
| | H | 9920.00 | 40.90 | 5.00 | 45.90 | 54(Note2) | -8.10 | PK |
| | V | 9920.00 | 41.10 | 5.00 | 46.10 | 54(Note2) | -7.90 | PK |

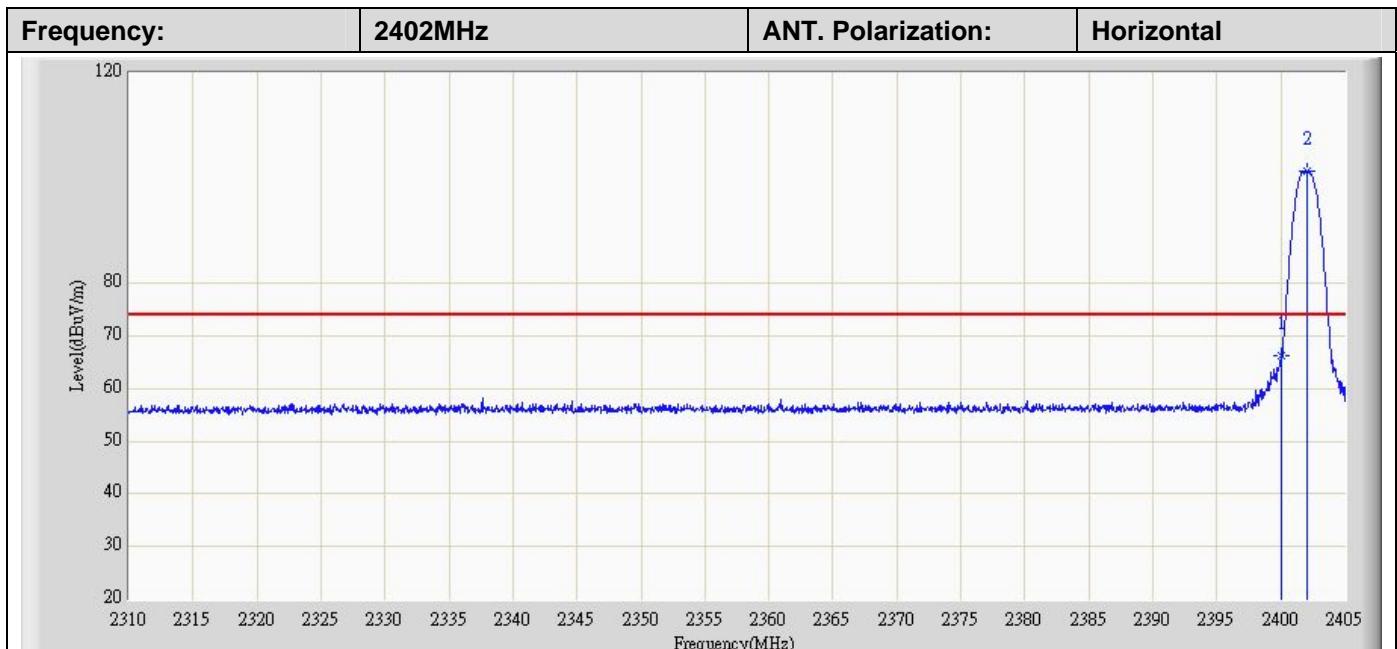
Note 1: The test trace is same as the ambient noise (the test frequency range:18GHz~25GHz), therefore no data appear in the report.

2: This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

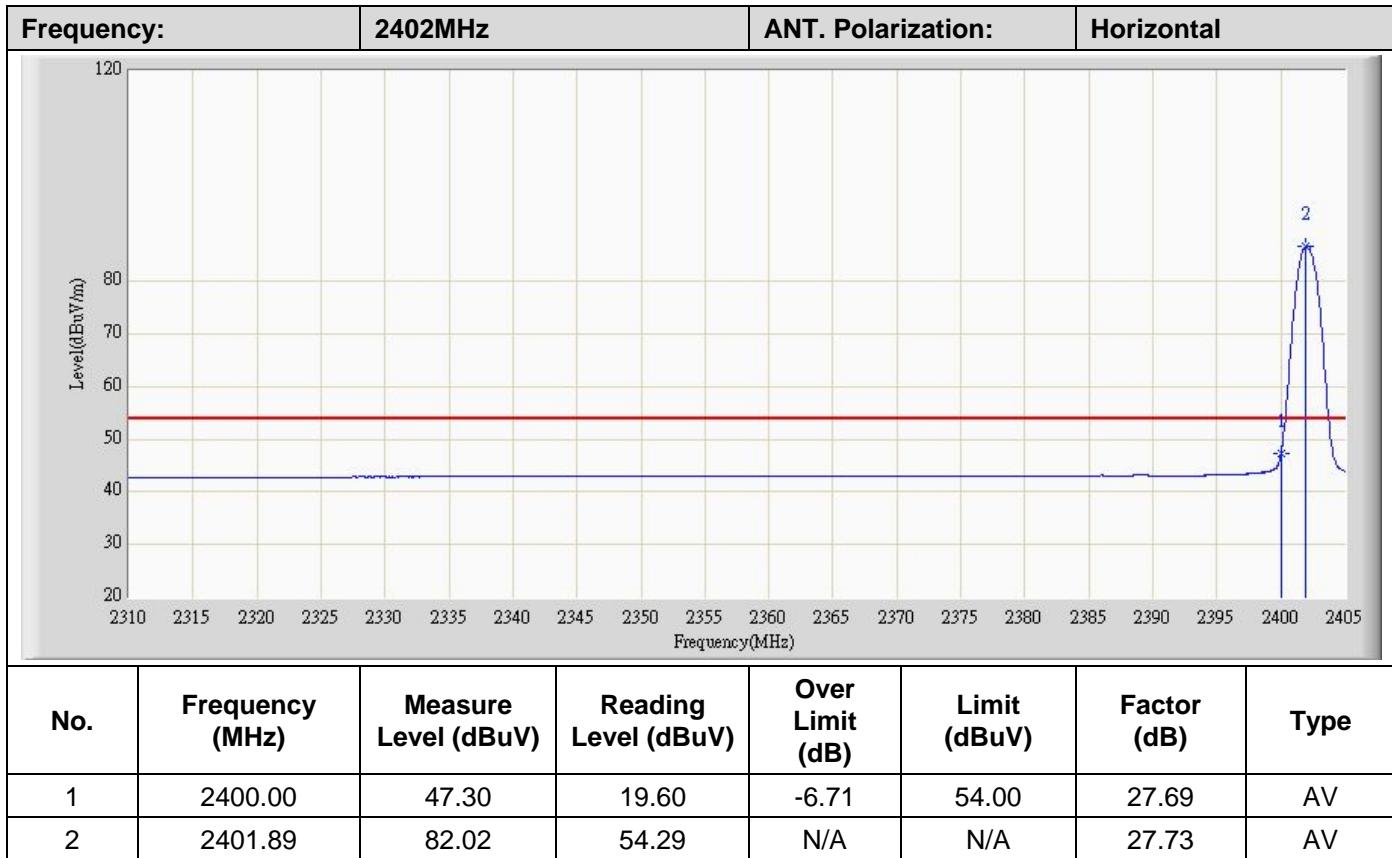
3: Measure Level = Reading Level + Factor.

7.3.3 Bandedge emissions

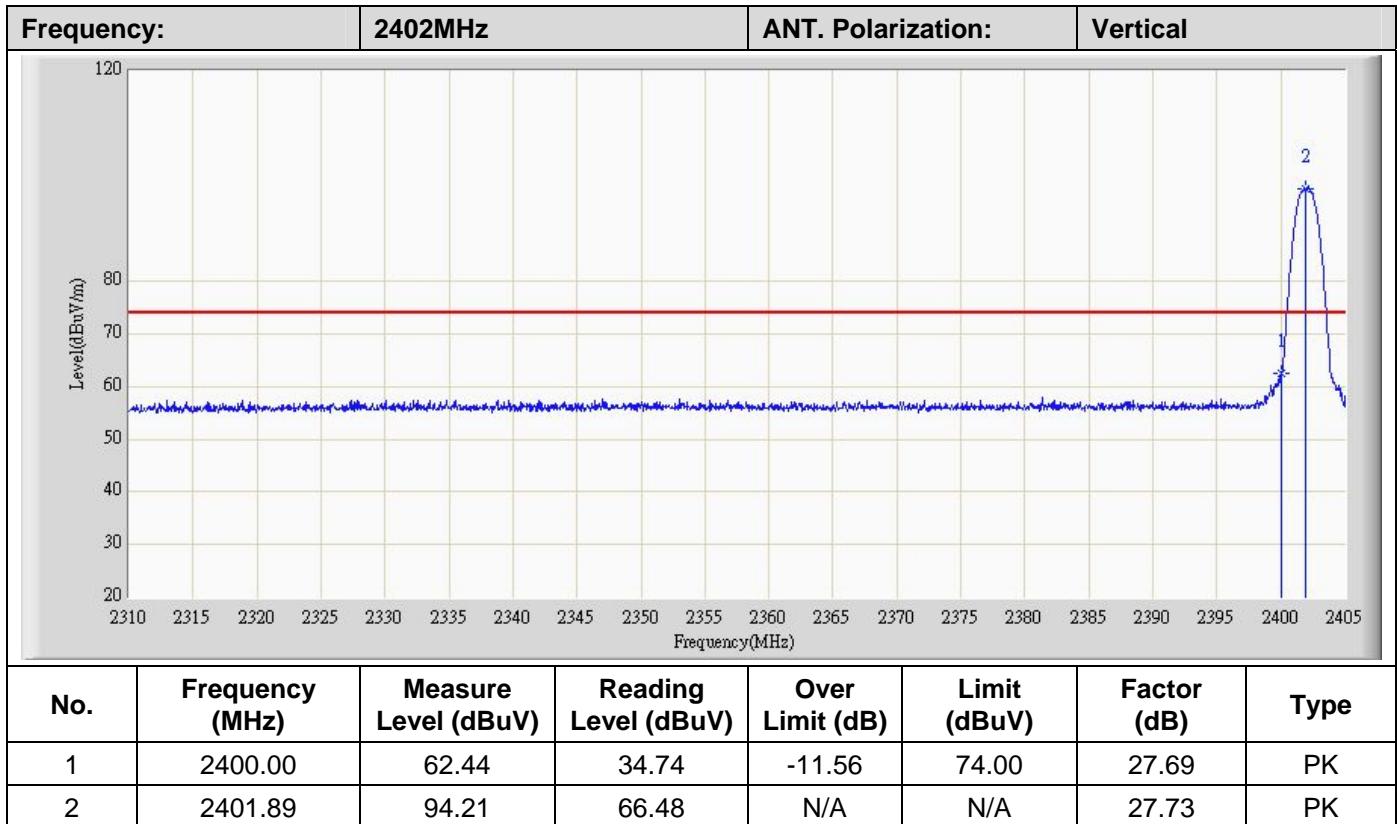
All of the restriction bands were tested, and only the data of worst case was exhibited.



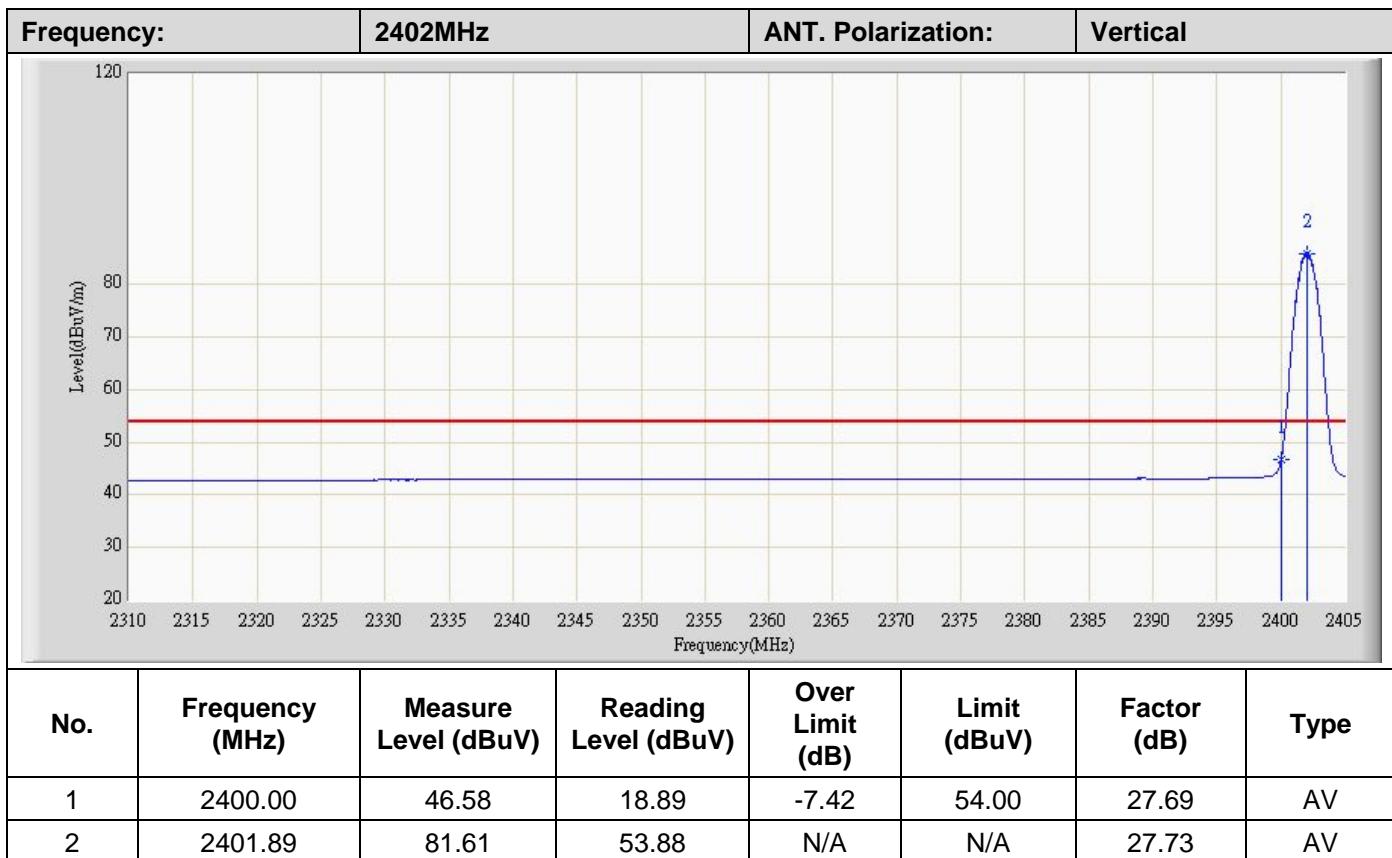
| No. | Frequency (MHz) | Measure Level (dBuV) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV) | Factor (dB) | Type |
|-----|-----------------|----------------------|----------------------|-----------------|--------------|-------------|------|
| 1 | 2400.00 | 66.22 | 38.53 | -7.78 | 74.00 | 27.69 | PK |
| 2 | 2401.89 | 95.03 | 67.31 | N/A | N/A | 27.73 | PK |



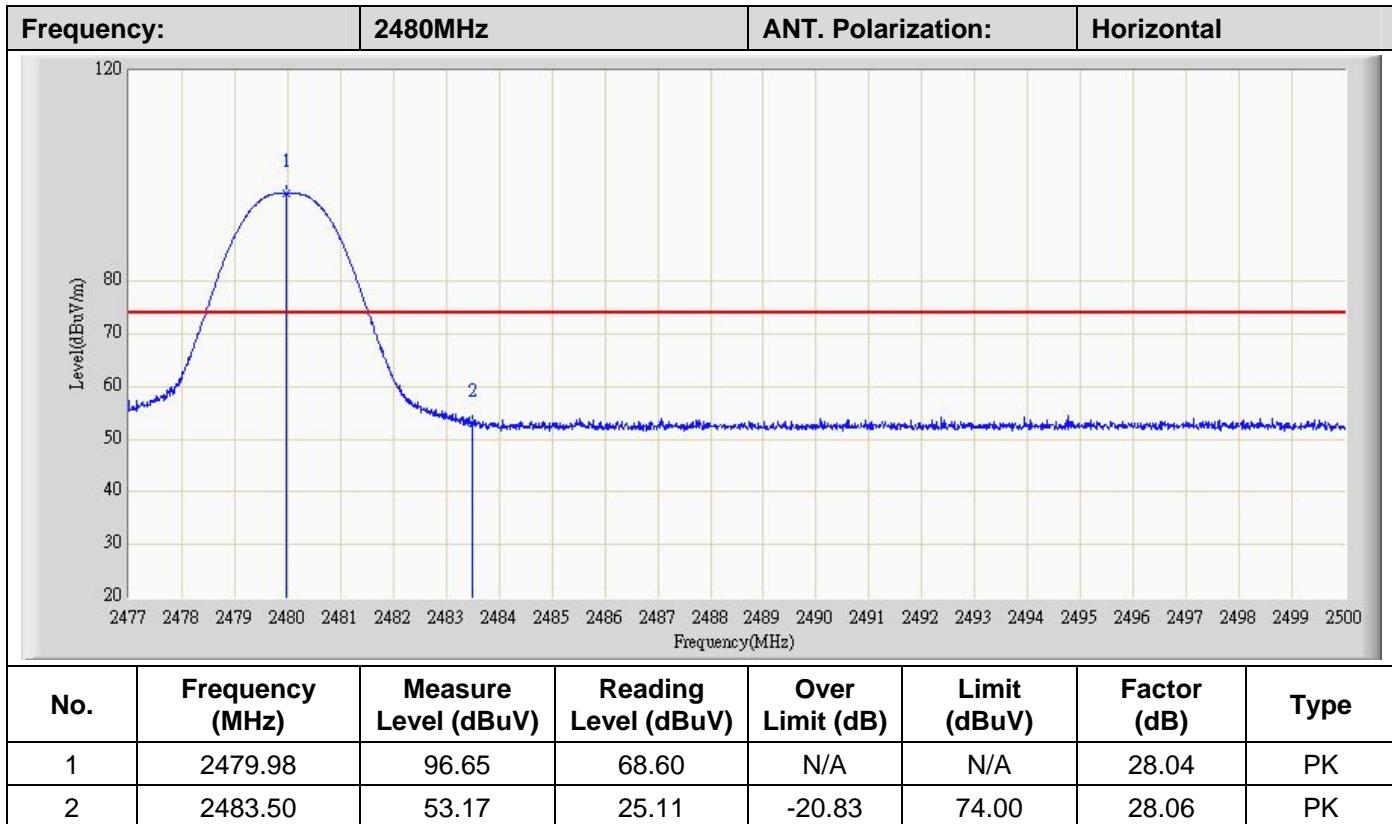
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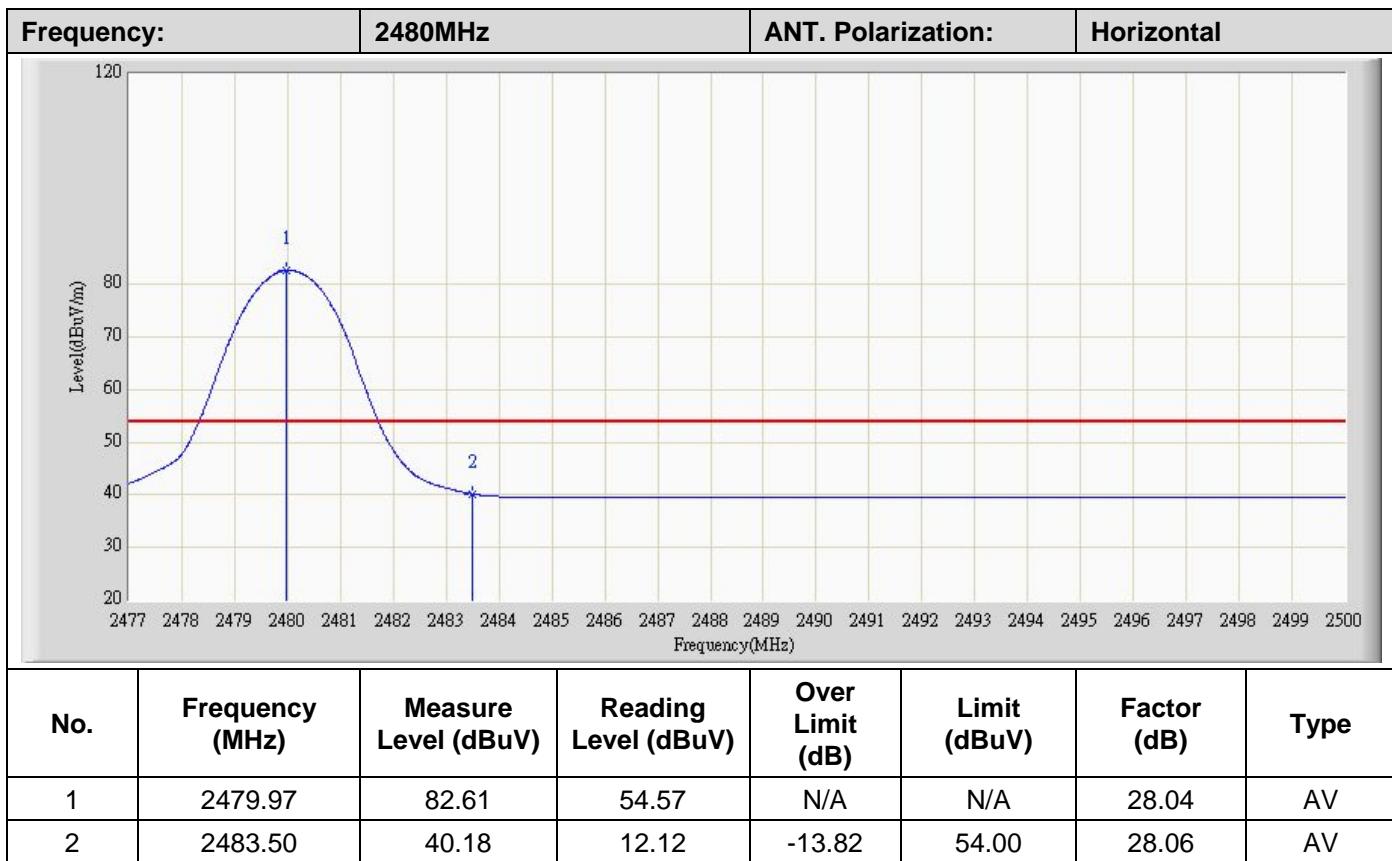
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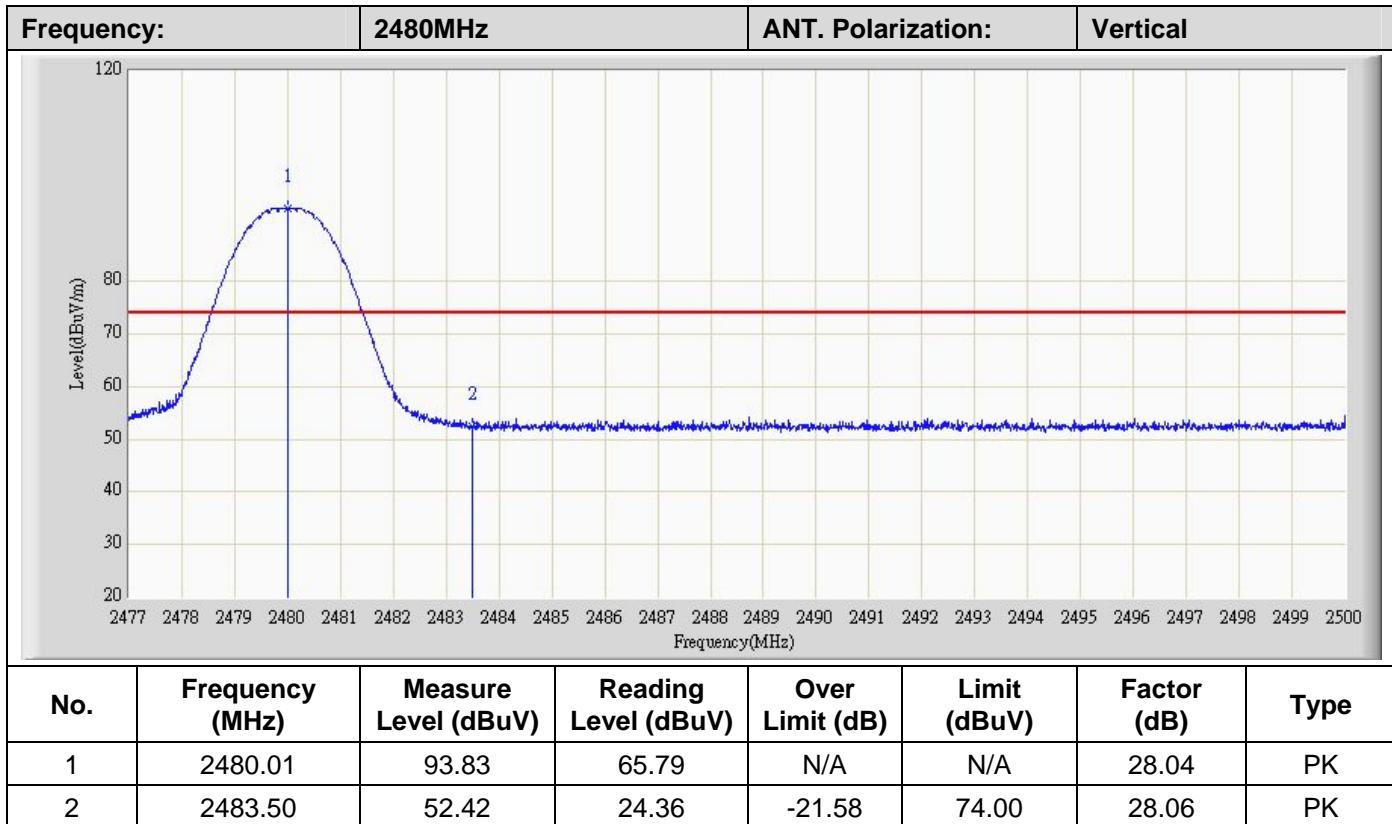
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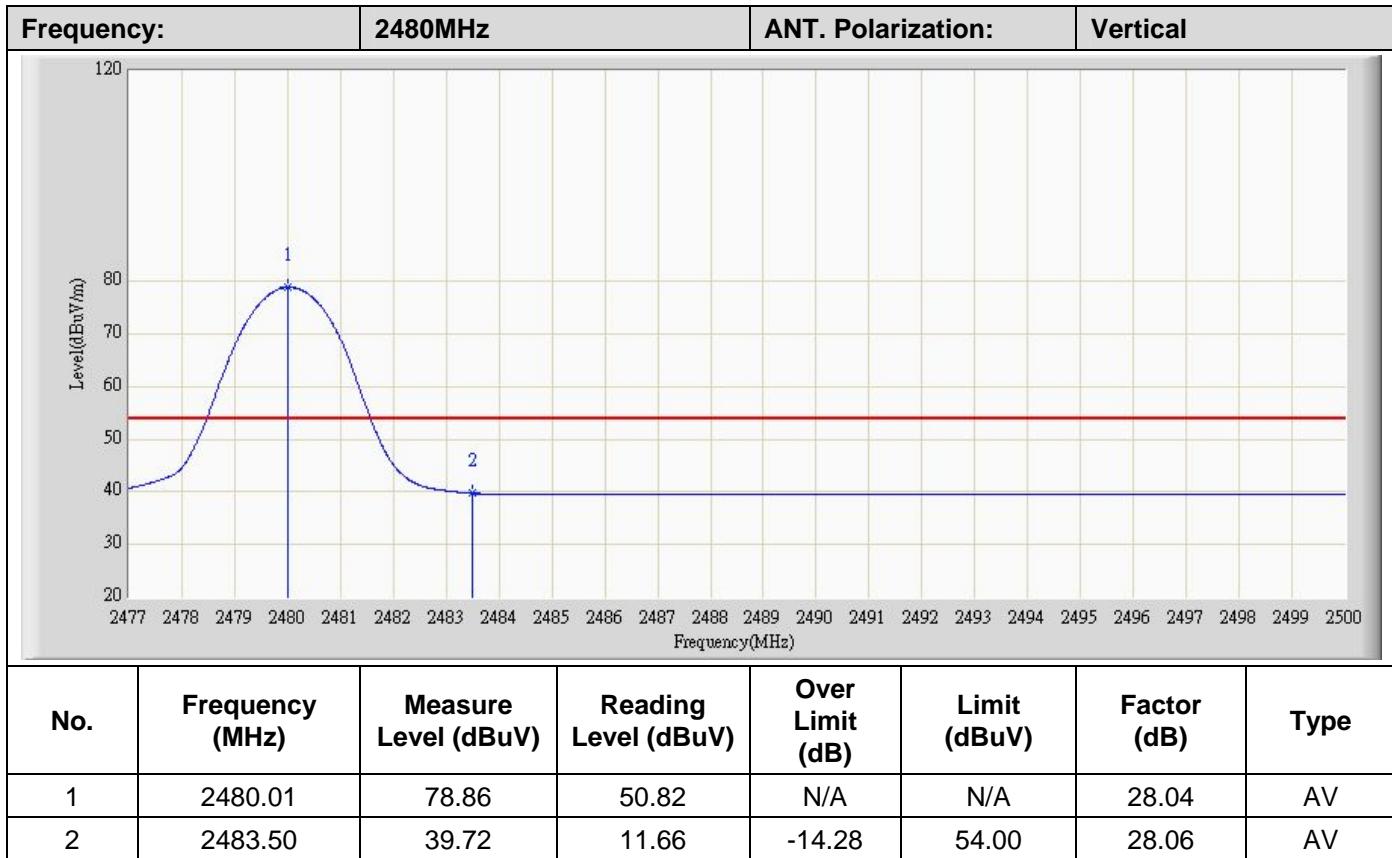
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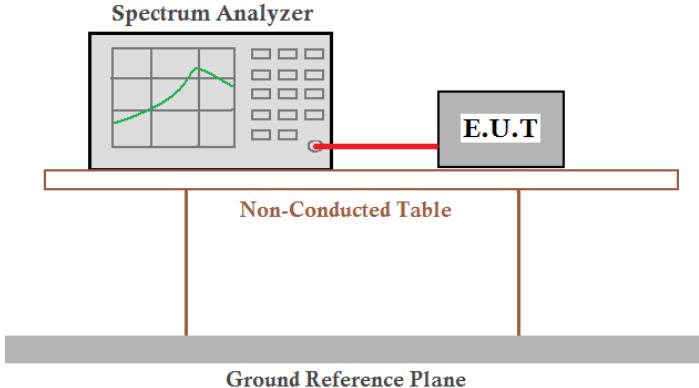
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7.4 20dB Occupy Bandwidth

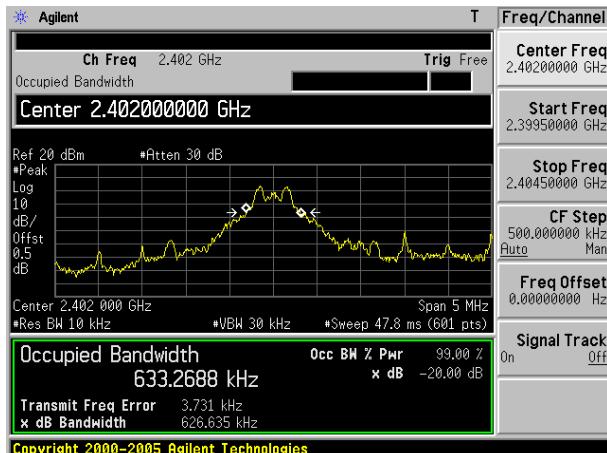
| | |
|-------------------|------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.249/15.215 |
| Test Method: | ANSI C63.4:2003 |
| Limit: | Operation Frequency range 2400MHz~2483.5MHz |
| Test setup: |  |
| Test Instruments: | Refer to section 6.0 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Pass |

Measurement Data

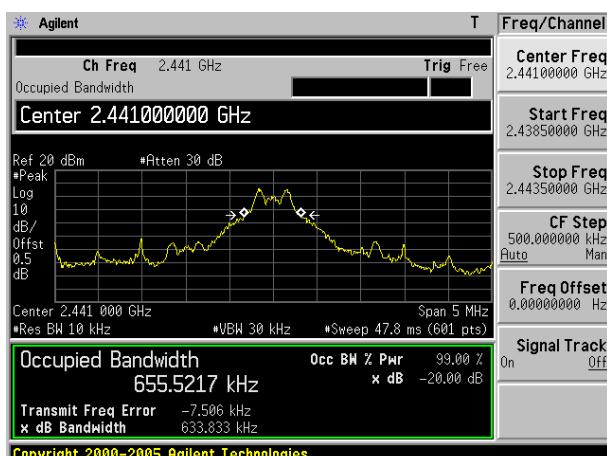
Worst case GFSK modulation

| Test channel | 20dB bandwidth(kHz) | Result |
|--------------|---------------------|--------|
| Lowest | 626.64 | Pass |
| Middle | 633.83 | Pass |
| Highest | 631.17 | Pass |

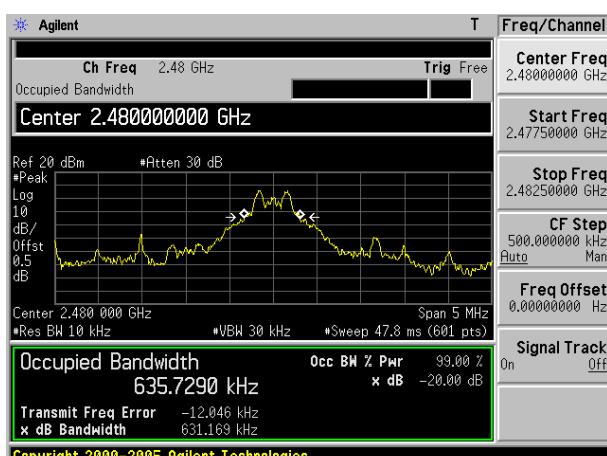
Test plot as follows:



Lowest channel



Middle channel



Highest channel

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