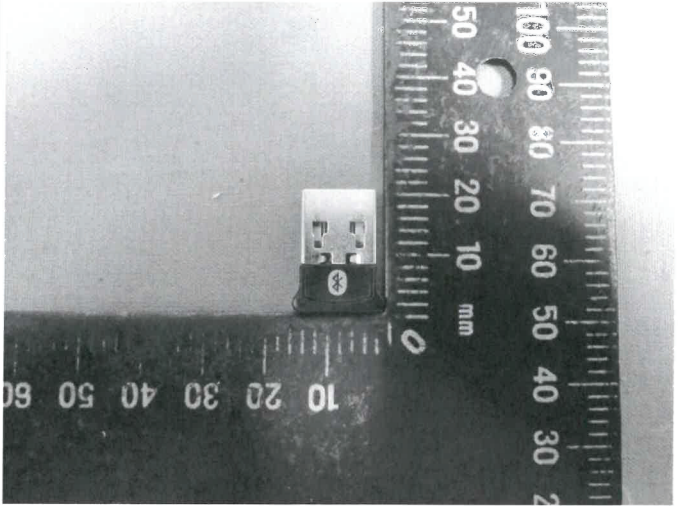


|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                        |                                                                                                                                                                                                             |                     |                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------|
| <b>Prüfbericht-Nr.:</b><br>Test Report No.:                                                                                                                                                                                                                                                                                                                                                                                                                | <b>10054925 001</b>                                                                                    | <b>Auftrags-Nr.:</b><br>Order No.:                                                                                                                                                                          | <b>114046469</b>    | Seite 1 von 22<br>Page 1 of 22 |
| <b>Kunden-Referenz-Nr.:</b><br>Client Reference No.:                                                                                                                                                                                                                                                                                                                                                                                                       | <b>392213</b>                                                                                          | <b>Auftragsdatum:</b><br>Order date.:                                                                                                                                                                       | <b>27 Jan. 2016</b> |                                |
| <b>Auftraggeber:</b><br>Client:                                                                                                                                                                                                                                                                                                                                                                                                                            | Acrox Technologies Co., Ltd.<br>4F., No. 89, Minshan St., Neihu Dist., Taipei City 114, Taiwan, R.O.C. |                                                                                                                                                                                                             |                     |                                |
| <b>Prüfgegenstand:</b><br>Test item:                                                                                                                                                                                                                                                                                                                                                                                                                       | USB Dongle                                                                                             |                                                                                                                                                                                                             |                     |                                |
| <b>Bezeichnung / Typ-Nr.:</b><br>Identification / Type No.:                                                                                                                                                                                                                                                                                                                                                                                                | NS-PCY5BMA2, NS-PCY5BMA2-C, XXXXXXPCY5BMAXXXXXX<br>(X= A-Z, a-z, 0-9, - or blank)                      |                                                                                                                                                                                                             |                     |                                |
| <b>Auftrags-Inhalt:</b><br>Order content:                                                                                                                                                                                                                                                                                                                                                                                                                  | TUV Rheinland - EMC service                                                                            |                                                                                                                                                                                                             |                     |                                |
| <b>Prüfgrundlage:</b><br>Test specification:                                                                                                                                                                                                                                                                                                                                                                                                               | FCC 47 CFR Part 15, Subpart B: 2015<br>ICES-003: Issue 6 (2016)                                        |                                                                                                                                                                                                             |                     |                                |
| <b>Wareneingangsdatum:</b><br>Date of receipt:                                                                                                                                                                                                                                                                                                                                                                                                             | <b>01 Mar. 2016</b>                                                                                    |                                                                                                                          |                     |                                |
| <b>Prüfmuster-Nr.:</b><br>Test sample No.:                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>A000323197-001</b>                                                                                  |                                                                                                                                                                                                             |                     |                                |
| <b>Prüfzeitraum:</b><br>Testing period:                                                                                                                                                                                                                                                                                                                                                                                                                    | Refer to test report                                                                                   |                                                                                                                                                                                                             |                     |                                |
| <b>Ort der Prüfung:</b><br>Place of testing:                                                                                                                                                                                                                                                                                                                                                                                                               | TÜV Rheinland Taiwan Ltd.                                                                              |                                                                                                                                                                                                             |                     |                                |
| <b>Prüflaboratorium:</b><br>Testing laboratory:                                                                                                                                                                                                                                                                                                                                                                                                            | TÜV Rheinland Taiwan Ltd.<br>Taichung Branch Office                                                    |                                                                                                                                                                                                             |                     |                                |
| <b>Prüfergebnis*:</b><br>Test result*:                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Pass</b>                                                                                            |                                                                                                                                                                                                             |                     |                                |
| <b>geprüft von / tested by:</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                        | <b>kontrolliert von / reviewed by:</b>                                                                                                                                                                      |                     |                                |
| <br>16 Mar. 2016 Neil J. N. Tsai/ Project Manager<br>Datum Name/Stellung Unterschrift<br>Date Name/Position Signature                                                                                                                                                                                                                                                   |                                                                                                        | <br>16 Mar. 2016 Max Y. C. Yao/ Department Manager<br>Datum Name/Stellung Unterschrift<br>Date Name/Position Signature |                     |                                |
| <b>Sonstiges / Other:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                        |                                                                                                                                                                                                             |                     |                                |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br>Condition of the test item at delivery:                                                                                                                                                                                                                                                                                                                                                            |                                                                                                        | <b>Prüfmuster vollständig und unbeschädigt</b><br>Test item complete and undamaged                                                                                                                          |                     |                                |
| * Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft<br>P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet<br>Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor<br>P(ass) = passed a.m. test specifications(s) F(ail) = failed a.m. test specifications(s) N/A = not applicable N/T = not tested                        |                                                                                                        |                                                                                                                                                                                                             |                     |                                |
| <b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b><br><i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i> |                                                                                                        |                                                                                                                                                                                                             |                     |                                |

V04

**Prüfbericht - Nr.:** 10054925 001  
*Test Report No.*

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## TEST SUMMARY

**5.1 CONDUCTED EMISSION PER SECTION 15.107, FCC 47 CFR PART 15 SUBPART B**

*RESULT: Pass*

**5.2 RADIATED EMISSION PER SECTION 15.109, FCC 47 CFR PART 15 SUBPART B**

*RESULT: Pass*

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# **1 General Remarks**

## **1.1 Complementary Materials**

All attachments are integral parts of this test report.

# **2 Test Sites**

## **2.1 Test Facilities**

Laboratory:

TUV Rheinland Taiwan Ltd. Taichung Branch Office  
No.9, Lane 36, Minsheng Rd., Sec. 3, Daya District, Taichung City 428, Taiwan, R.O.C.

Test Facility:

TÜV Rheinland Taiwan Ltd.  
11F., No.758, Sec. 4, Bade Rd., Songshan Dist., Taipei City 105, Taiwan, R.O.C.

The Federal Communications Commission has reviewed the technical characteristics of the radiated and conducted emission facilities and has found these test sites to be in compliance with the requirements under 47 CFR section 2.948. The registration number: 365730.

The Industry Canada has reviewed the technical characteristics of the radiated and conducted emission facilities and has found these test sites to be in compliance with the Canadian requirements. The filing number: 9465A.

The test facility is accredited by TAF (member of ILAC), under number 0759 according to ISO/IEC 17025:2005.

TÜV Rheinland Taiwan Ltd. is accredited by the Federal Communications Commission as a Conformity Assessment Body under Designation Number TW1065 and Test Firm Registration#: 799772.

## 2.2 List of Test and Measurement Instruments

**Table 1: List of Test and Measurement Equipment**

**For EMI/ Conduction Measurement (Taipei: Shield Room)**

| Item | Equipment                  | Manufacturer    | Model No.          | Serial No.  | Cal. Date  | Cal. Due Date |
|------|----------------------------|-----------------|--------------------|-------------|------------|---------------|
| 1    | Test Receiver              | Rohde & Schwarz | ESCI7              | 100797      | 2015/12/28 | 2016/12/28    |
| 2    | LISN                       | Rohde & Schwarz | ENV216             | 101243      | 2015/06/01 | 2016/06/01    |
| 3    | LISN                       | Rohde & Schwarz | ENV216             | 101262      | 2015/06/16 | 2016/06/16    |
| 4    | Telecom ISN 2 Line         | FCC             | FCC-TLISN-T2-02-09 | 101169      | 2015/08/26 | 2016/08/26    |
| 5    | Telecom ISN 8 Line         | FCC             | FCC-TLISN-T8-02-09 | 101167      | 2015/08/26 | 2016/08/26    |
| 6    | 4 balance telecom pair ISN | FCC             | F-070306-1057-1    | 101166      | 2015/08/26 | 2016/08/26    |
| 7    | Test Software              | Farad           | EZ EMC             | Ver. TUV3A1 | N/A        | N/A           |
| 8    | Test Software              | Audix           | e3                 | Ver. 9      | N/A        | N/A           |

**For EMI/Radiation Measurement (Taipei: Semi-Anechoic Chamber B)**

| Item | Equipment         | Manufacturer    | Model No. | Serial No. | Cal. Date  | Cal. Due Date |
|------|-------------------|-----------------|-----------|------------|------------|---------------|
| 1    | Test Receiver     | Rohde & Schwarz | ESR7      | 101549     | 2015/09/22 | 2016/09/22    |
| 2    | Spectrum Analyzer | Rohde & Schwarz | FSV-40    | 101112     | 2015/09/22 | 2016/09/22    |
| 3    | Pre-Amplifier     | Hewlett Packard | 8447D     | 2944A09270 | 2015/07/06 | 2016/07/06    |
| 4    | Pre-Amplifier     | Com-Power       | PAM-840   | 461257     | 2015/08/25 | 2016/08/25    |
| 5    | Pre-Amplifier     | EM Electronics  | EM01G18G  | 060649     | 2015/07/06 | 2016/07/06    |
| 6    | Bilog Antenna     | TESEQ           | CBL6111D  | 40101      | 2015/09/03 | 2016/09/03    |
| 7    | Horn Antenna      | ETS-Lindgren    | 3117      | 00201918   | 2015/08/03 | 2016/08/03    |
| 8    | Horn Antenna      | Com-Power       | AH-840    | 101029     | 2014/09/26 | 2016/09/26    |
| 9    | Loop Antenna      | Schwarzbeck     | FMZB 1513 | 1513-076   | 2014/10/21 | 2016/10/21    |
| 10   | Test Software     | Audix           | e3        | Ver. 9     | N/A        | N/A           |

Conformance of the used measurement and test equipment with the requirements of ISO/IEC 17025:2005 has been confirmed before testing.

## 2.3 Calibration

All equipment requiring calibration is calibrated periodically by the manufacturer or accredited calibration services according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

## 2.4 Abbreviations

|                                         |                                         |
|-----------------------------------------|-----------------------------------------|
| <b>PASS</b> : Complied with requirement | <b>N/A</b> : Not applicable             |
| <b>FAIL</b> : Not complied              | <b>N.C.R.</b> : No calibration required |

## 2.5 Measurement Uncertainty

**Table 2: Measurement Uncertainty**

| Testing Item                           | Frequency Range | Uncertainty |
|----------------------------------------|-----------------|-------------|
| Conducted Emission<br>(LISN)           | 9kHz - 30MHz    | 2.69 dB     |
| Radiated Emission<br>(966 Chamber: 3m) | 30MHz - 1000MHz | 2.82 dB     |
| Radiated Emission<br>(966 Chamber: 3m) | Above 1GHz      | 2.42 dB     |

**Note:**

The uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

### 3 General Product Information

#### 3.1 Product Function and Intended Use

The tested samples are "USB Dongle" with model numbers "NS-PCY5BMA2", "NS-PCY5BMA2-C" and "XXXXXXPCY5BMAXXXXXX" for new approval, which are intended to enable wireless connectivity with other wireless device.

Due to all electrical constructions are identical except for model number and market purpose, one representative model with number "NS-PCY5BMA2" was tested.

"NS-PCY5BMA2" for USA market, "NS-PCY5BMA2-C" for Canada market.

"XXXXXXPCY5BMAXXXXXX" (X= A-Z, a-z, 0-9, - or blank, all models are identical except the model name or color)

#### 3.2 Rating and Physical Characteristics

|                     |                                                     |
|---------------------|-----------------------------------------------------|
| Type Designation:   | NS-PCY5BMA2, NS-PCY5BMA2-C,<br>XXXXXXPCY5BMAXXXXXX  |
| Input Voltage:      | 5Vdc via USB                                        |
| Protection Class:   | Class III for USB Dongle; Class I for Host Notebook |
| Wireless Frequency: | 2.4GHz ~ 2.4835GHz                                  |

For details, refer to rating labels and user manual.

#### 3.3 Noise Generating or Sources of Interference

- 1) IC circuits
- 2) Crystal (X1: 20MHz)

Please refer to attachment documentation for details.

#### 3.4 Noise Suppressing Parts

Please refer to attachment documentation for details.

### **3.5 Submitted Documents**

- 1) User Guide
- 2) Rating Label
- 3) Block diagram
- 4) Quick Setup Guide
- 5) Circuit diagram

## **4 Test Set-up and Operation Modes**

### **4.1 Test Methodology**

The test methodology used is based on the requirement of 47 CFR PART 15, section 15.31, 15.33, 15.35, 15.107 and 15.109 or ICES-003.

The test methods, which have been used, are based on ANSI C63.4 or CAN/CSA-CEI/IEC CISPR 22.

The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the instructions for use.

### **4.2 Independent and Test Operation Modes**

The EUT was connected to a host Notebook via USB port, and enable wireless function to connect with 2.4GHz mouse. The host Notebook was run the software "EMCTEST" to display "H" in the screen.

#### **The basic operation mode:**

A. Normal link

The justification and manipulation of cables and equipment in order to simulate a worst-case behavior of the test setup has been carried out as prescribed in ANSI C 63.4 or in CAN/CSA-CEI/IEC CISPR22.

Refer to Test setup in chapter 4.5.

### 4.3 Special Accessories and Auxiliary Equipment

The EUT was tested as an independent unit with the following equipment:

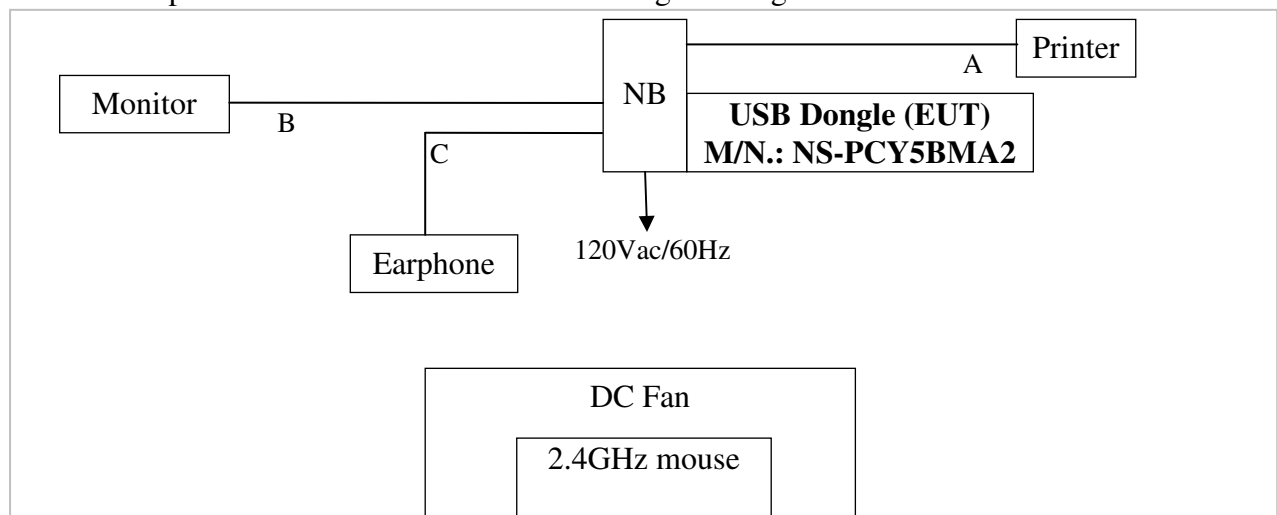
| Description     | Manufacturer | Model No.  | Remark           | Certification |
|-----------------|--------------|------------|------------------|---------------|
| Notebook(NB05)  | Lenovo       | TP00048A   | PB-01R3T5        | DoC           |
| Monitor         | CHIMEI       | 22VD       | 22VDAGIW50440109 | DoC           |
| Printer         | HP           | VCVRA-1004 | CN0C711HY9       | DoC           |
| Ear/Microphone  | i-Acon       | CW-010MV   | N/A              | N/A           |
| DC Fan          | SUNON        | KD1208PTS1 | N/A              | N/A           |
| Bluetooth Mouse | Microsoft    | 1497       | X822718-001      | DoC           |

### 4.4 Countermeasures to achieve EMC compliance

The test sample which has been tested contained the noise suppression parts as described in the constructional data form or technical construction file or refer to the attachment photo document of test report. No additional measures were employed to achieve compliance.

### 4.5 Test Setup

The test setup was realized on a table of 80-cm height during all tests as described herein.



| Signal Cable Type | Signal Cable Description |                         |
|-------------------|--------------------------|-------------------------|
| A                 | USB cable                | Shielded, 1.7m          |
| B                 | D-Sub cable              | Shielded, 1.8m, 2 cores |
| C                 | Audio cable              | Non shielded, 2m        |

## 5 Test Results EMISSION

### 5.1 Conducted Emission per section 15.107, 47 CFR part 15 subpart B

|                |             |
|----------------|-------------|
| <b>RESULT:</b> | <b>PASS</b> |
|----------------|-------------|

Port: AC Mains  
Test Procedure : ANSI C63.4 (2014) Clause 7.3  
Deviations from standard  
test procedure : None  
Frequency Range : 0.15 – 30MHz  
Limits : FCC Part 15 Subpart B Section 15.107 (a) class B  
Kind of Test Site : Conducted Room (Shield)

#### Test Setup

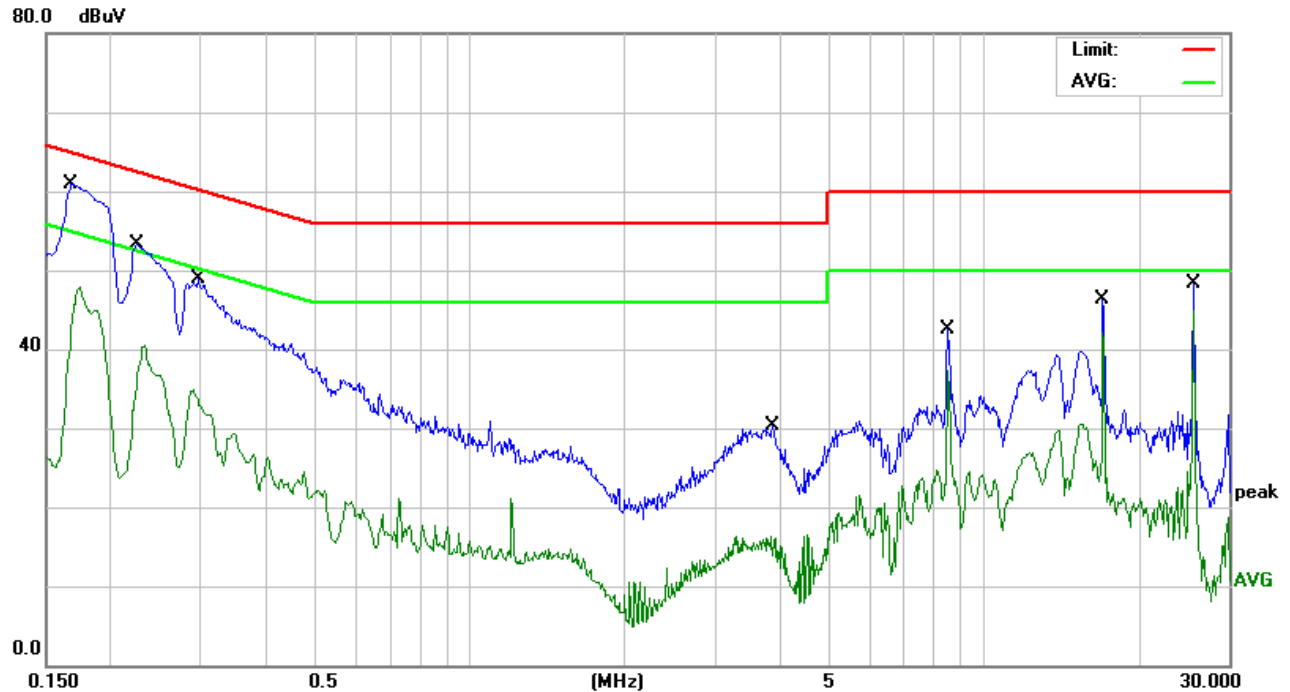
The following setup caused the highest disturbance:

Date of Testing : 03 Mar. 2016  
Input Voltage : See 3.2  
Operational Mode : See 4.2  
Temperature 22.5 °C  
Relative Humidity 41 %

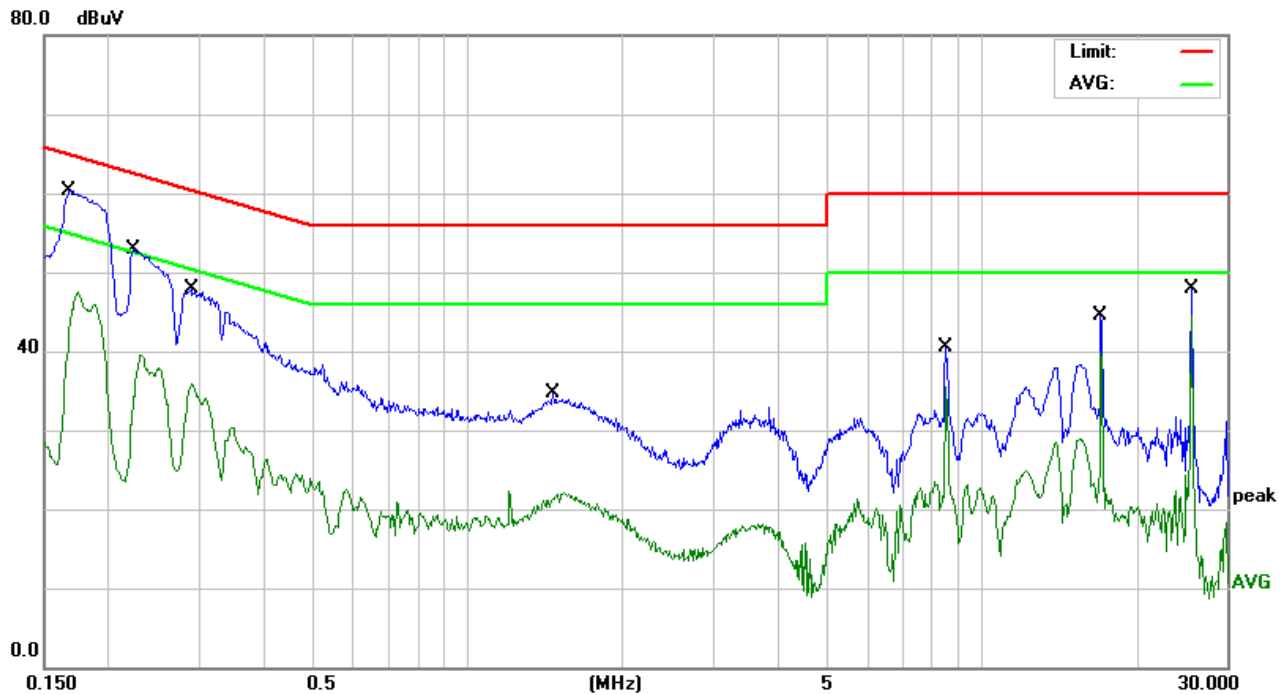
#### Note:

Level = Reading + Factor;

Margin = Level - Limit.

**Figure 1: Conducted Emission, AC Mains; 0.15 – 30 MHz**
**Phase L1**


| No. | Frequency (MHz) | Factor () | Reading (dBuV) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|-----------|----------------|--------------|--------------|-------------|----------|-----|--------|
| 1   | 0.1680          | 9.65      | 44.43          | 54.08        | 65.05        | -10.97      | QP       | P   |        |
| 2   | 0.1680          | 9.65      | 22.02          | 31.67        | 55.05        | -23.38      | AVG      | P   |        |
| 3   | 0.2265          | 9.63      | 37.26          | 46.89        | 62.57        | -15.68      | QP       | P   |        |
| 4   | 0.2265          | 9.63      | 19.27          | 28.90        | 52.57        | -23.67      | AVG      | P   |        |
| 5   | 0.2963          | 9.62      | 34.36          | 43.98        | 60.34        | -16.36      | QP       | P   |        |
| 6   | 0.2963          | 9.62      | 21.65          | 31.27        | 50.34        | -19.07      | AVG      | P   |        |
| 7   | 3.9007          | 9.66      | 9.54           | 19.20        | 56.00        | -36.80      | QP       | P   |        |
| 8   | 3.9007          | 9.66      | 1.31           | 10.97        | 46.00        | -35.03      | AVG      | P   |        |
| 9   | 8.5403          | 9.74      | 29.91          | 39.65        | 60.00        | -20.35      | QP       | P   |        |
| 10  | 8.5403          | 9.74      | 26.16          | 35.90        | 50.00        | -14.10      | AVG      | P   |        |
| 11  | 17.0813         | 9.87      | 34.82          | 44.69        | 60.00        | -15.31      | QP       | P   |        |
| 12  | 17.0813         | 9.87      | 30.76          | 40.63        | 50.00        | -9.37       | AVG      | P   |        |
| 13  | 25.6695         | 9.90      | 37.67          | 47.57        | 60.00        | -12.43      | QP       | P   |        |
| 14  | 25.6695         | 9.90      | 33.80          | 43.70        | 50.00        | -6.30       | AVG      | P   |        |

**Phase N**


| No. | Frequency (MHz) | Factor () | Reading (dBuV) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|-----------|----------------|--------------|--------------|-------------|----------|-----|--------|
| 1   | 0.1680          | 9.65      | 44.00          | 53.65        | 65.05        | -11.40      | QP       | P   |        |
| 2   | 0.1680          | 9.65      | 22.82          | 32.47        | 55.05        | -22.58      | AVG      | P   |        |
| 3   | 0.2243          | 9.63      | 35.58          | 45.21        | 62.65        | -17.44      | QP       | P   |        |
| 4   | 0.2243          | 9.63      | 17.45          | 27.08        | 52.65        | -25.57      | AVG      | P   |        |
| 5   | 0.2895          | 9.62      | 33.75          | 43.37        | 60.54        | -17.17      | QP       | P   |        |
| 6   | 0.2895          | 9.62      | 23.07          | 32.69        | 50.54        | -17.85      | AVG      | P   |        |
| 7   | 1.4707          | 9.63      | 20.43          | 30.06        | 56.00        | -25.94      | QP       | P   |        |
| 8   | 1.4707          | 9.63      | 10.10          | 19.73        | 46.00        | -26.27      | AVG      | P   |        |
| 9   | 8.5401          | 9.74      | 14.95          | 24.69        | 60.00        | -35.31      | QP       | P   |        |
| 10  | 8.5401          | 9.74      | 9.69           | 19.43        | 50.00        | -30.57      | AVG      | P   |        |
| 11  | 17.0812         | 9.87      | 14.24          | 24.11        | 60.00        | -35.89      | QP       | P   |        |
| 12  | 17.0812         | 9.87      | 8.86           | 18.73        | 50.00        | -31.27      | AVG      | P   |        |
| 13  | 25.6695         | 9.90      | 13.72          | 23.62        | 60.00        | -36.38      | QP       | P   |        |
| 14  | 25.6695         | 9.90      | 7.09           | 16.99        | 50.00        | -33.01      | AVG      | P   |        |

## 5.2 Radiated Emission

### per section 15.109, 47 CFR part 15 subpart B

**RESULT:****PASS**

Port: Enclosure  
Test Procedure : ANSI C63.4 (2014) Clause 8.3  
Deviations from standard  
test procedure : None  
Frequency Range : 30 – 1000MHz  
Limits : FCC Part 15 Subpart B Section 15.109 (a) class B  
Kind of Test Site : 966 Semi-anechoic chamber (3m distance)

**Test Setup**

The following setup caused the highest disturbance:

Date of Testing : 03 Mar. 2016  
Input Voltage : See 3.2  
Operational Mode : See 4.2  
Temperature 19 °C  
Relative Humidity 57 %

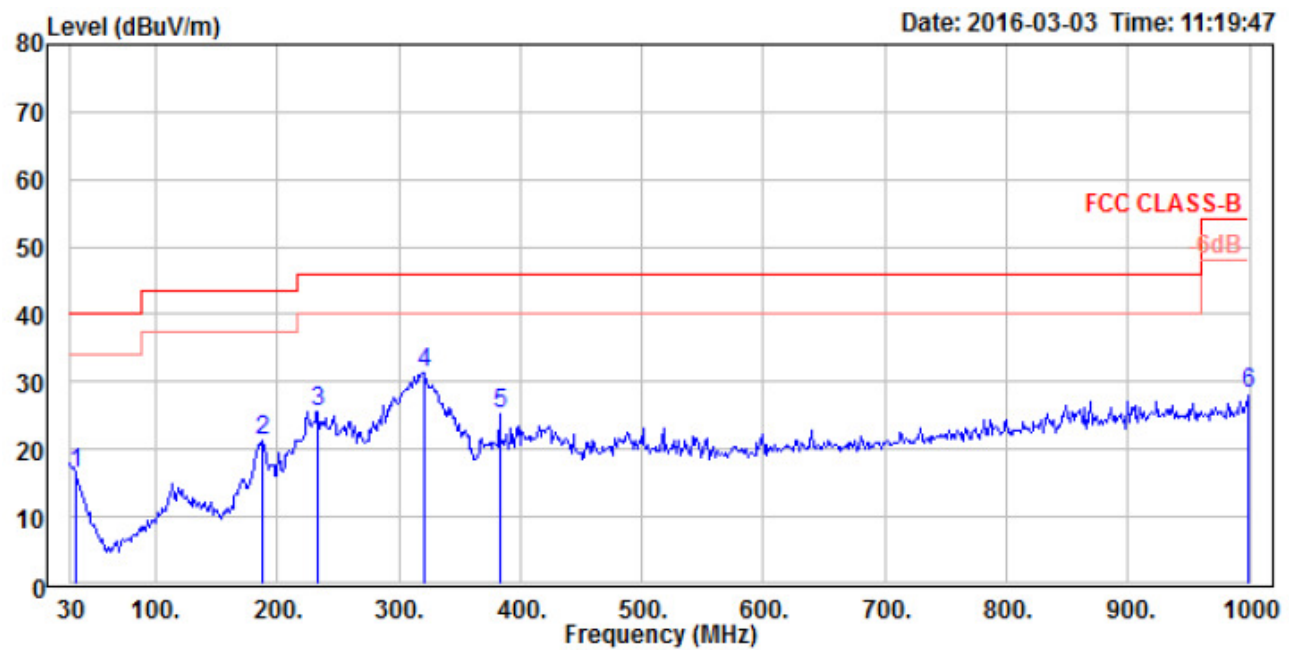
The highest frequency generated or used in the device or on which the operates or tunes of the EUT:

- ☐ below 1.705M, measuring up to 30MHz  
☐ 1.705-108M, measuring up to 1000MHz  
☐ 108-500MHz, measuring up to 2000MHz  
☐ 500-1000MHz, measuring up to 5000MHz  
☒ above 1000MHz, measuring up to 5<sup>th</sup> harmonic of the highest frequency or 40GHz, whichever is lower.

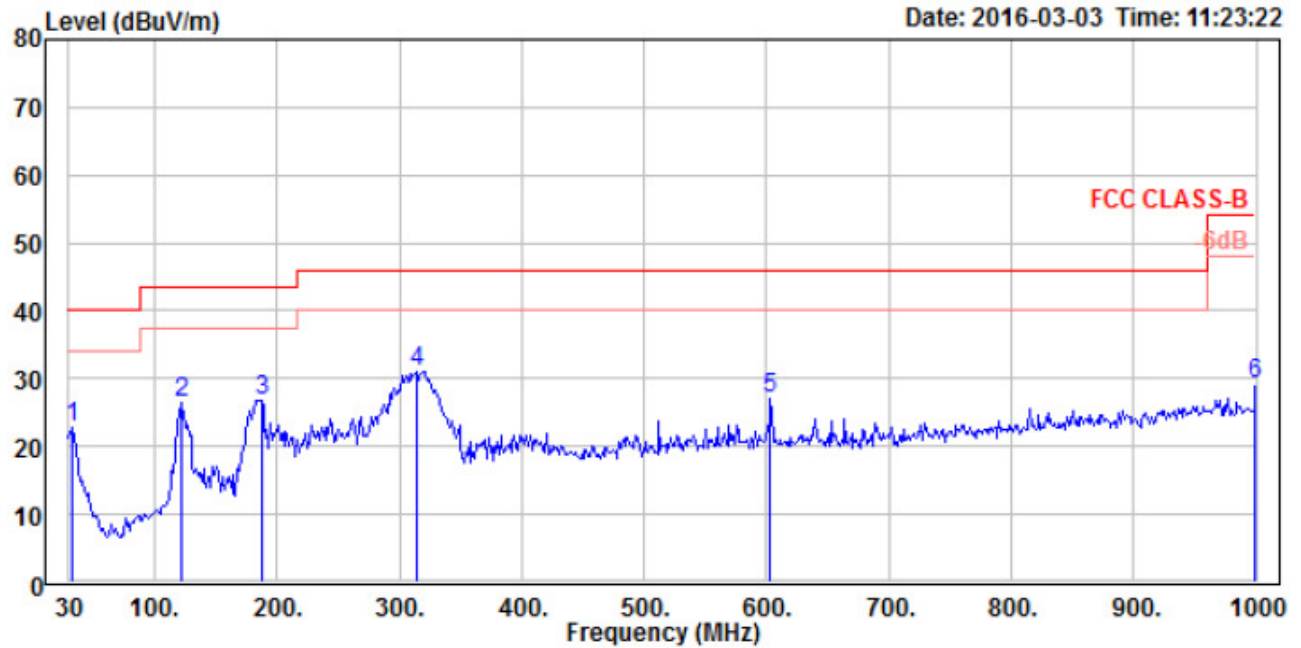
Note1:

Level = Reading + Factor;  
Margin = Level - Limit.

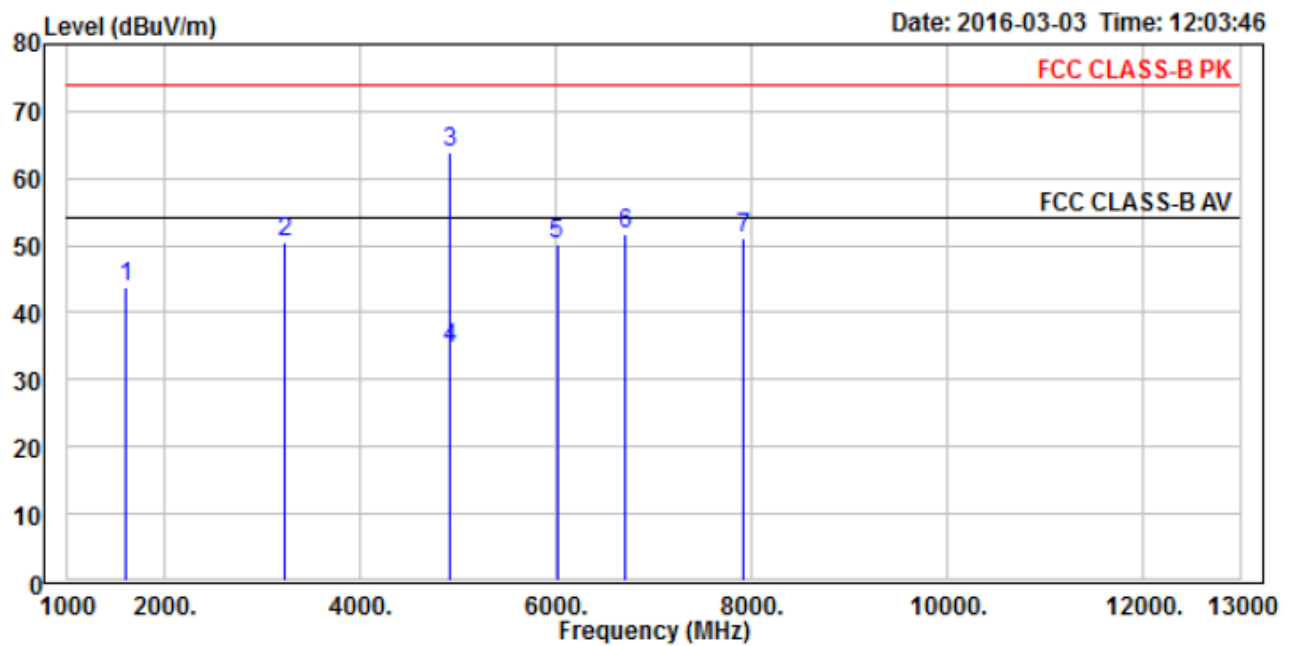
Note2: The highest frequency is 2.4GHz for wireless function, measuring up to 13GHz.

**Figure 2: Radiated Emission; 30 – 1000 MHz**
**Horizontal**


|   | Freq     | Level  | Read<br>Level | Factor | Limit<br>Line | Over<br>Limit | Remark |
|---|----------|--------|---------------|--------|---------------|---------------|--------|
|   | MHz      | dBuV/m | dBuV          | dB/m   | dBuV/m        | dB            |        |
| 1 | 34.217   | 16.32  | 27.77         | -11.45 | 40.00         | -23.68        | QP     |
| 2 | 187.449  | 21.23  | 40.01         | -18.78 | 43.50         | -22.27        | QP     |
| 3 | 233.841  | 25.49  | 41.96         | -16.47 | 46.00         | -20.51        | QP     |
| 4 | 321.000  | 31.48  | 44.71         | -13.23 | 46.00         | -14.52        | QP     |
| 5 | 382.855  | 25.28  | 37.30         | -12.02 | 46.00         | -20.72        | QP     |
| 6 | 1000.000 | 28.23  | 30.97         | -2.74  | 54.00         | -25.77        | QP     |

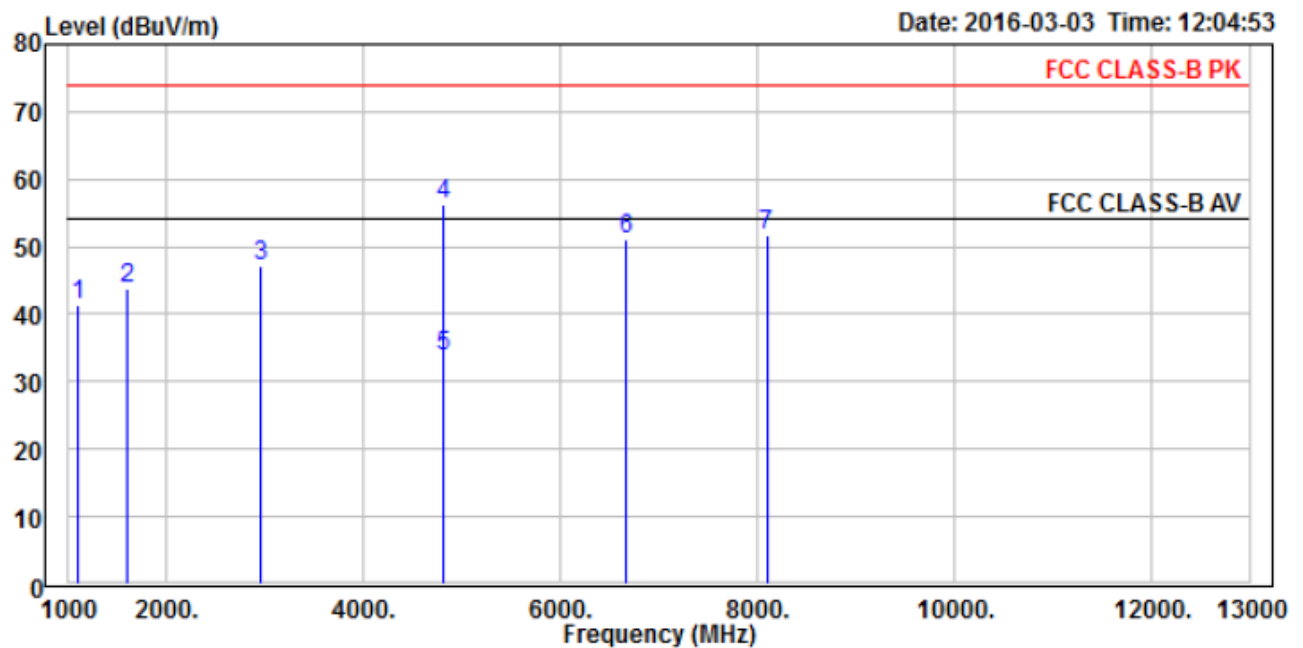
**Vertical**


|   | Freq     | Level  | Read Level | Factor | Limit Line | Over Limit | Remark |
|---|----------|--------|------------|--------|------------|------------|--------|
|   | MHz      | dBuV/m | dBuV       | dB/m   | dBuV/m     | dB         |        |
| 1 | 32.812   | 22.68  | 33.37      | -10.69 | 40.00      | -17.32     | QP     |
| 2 | 121.377  | 26.32  | 42.94      | -16.62 | 43.50      | -17.18     | QP     |
| 3 | 187.449  | 26.79  | 45.57      | -18.78 | 43.50      | -16.71     | QP     |
| 4 | 313.971  | 31.05  | 44.44      | -13.39 | 46.00      | -14.95     | QP     |
| 5 | 603.565  | 27.10  | 35.91      | -8.81  | 46.00      | -18.90     | QP     |
| 6 | 1000.000 | 29.06  | 31.80      | -2.74  | 54.00      | -24.94     | QP     |

**Figure 3: Radiated Emission; Above 1 GHz**
**Horizontal**


|   | Freq     | Level  | Read<br>Level | Factor | Limit<br>Line | Over<br>Limit | Remark  |
|---|----------|--------|---------------|--------|---------------|---------------|---------|
|   | MHz      | dBuV/m | dBuV          | dB/m   | dBuV/m        | dB            |         |
| 1 | 1591.304 | 43.70  | 51.36         | -7.66  | 74.00         | -30.30        | Peak    |
| 2 | 3226.087 | 50.59  | 50.02         | 0.57   | 74.00         | -23.41        | Peak    |
| 3 | 4913.043 | 63.77  | 58.15         | 5.62   | 74.00         | -10.23        | Peak    |
| 4 | 4913.043 | 34.81  | 29.19         | 5.62   | 54.00         | -19.19        | Average |
| 5 | 6008.696 | 50.16  | 42.27         | 7.89   | 74.00         | -23.84        | Peak    |
| 6 | 6704.348 | 51.76  | 44.07         | 7.69   | 74.00         | -22.24        | Peak    |
| 7 | 7921.739 | 51.02  | 43.59         | 7.43   | 74.00         | -22.98        | Peak    |

Note: The other peak readings were below average limit, thus no average measuring required for those.

**Vertical**


|   | Freq     | Level  | Read Level | Factor | Limit Line | Over Limit | Remark  |
|---|----------|--------|------------|--------|------------|------------|---------|
|   | MHz      | dBuV/m | dBuV       | dB/m   | dBuV/m     | dB         |         |
| 1 | 1104.348 | 41.43  | 51.76      | -10.33 | 74.00      | -32.57     | Peak    |
| 2 | 1591.304 | 43.93  | 51.59      | -7.66  | 74.00      | -30.07     | Peak    |
| 3 | 2947.826 | 47.25  | 47.25      | 0.00   | 74.00      | -26.75     | Peak    |
| 4 | 4808.696 | 56.25  | 50.94      | 5.31   | 74.00      | -17.75     | Peak    |
| 5 | 4808.696 | 33.90  | 28.59      | 5.31   | 54.00      | -20.10     | Average |
| 6 | 6669.565 | 51.22  | 43.47      | 7.75   | 74.00      | -22.78     | Peak    |
| 7 | 8095.652 | 51.83  | 44.32      | 7.51   | 74.00      | -22.17     | Peak    |

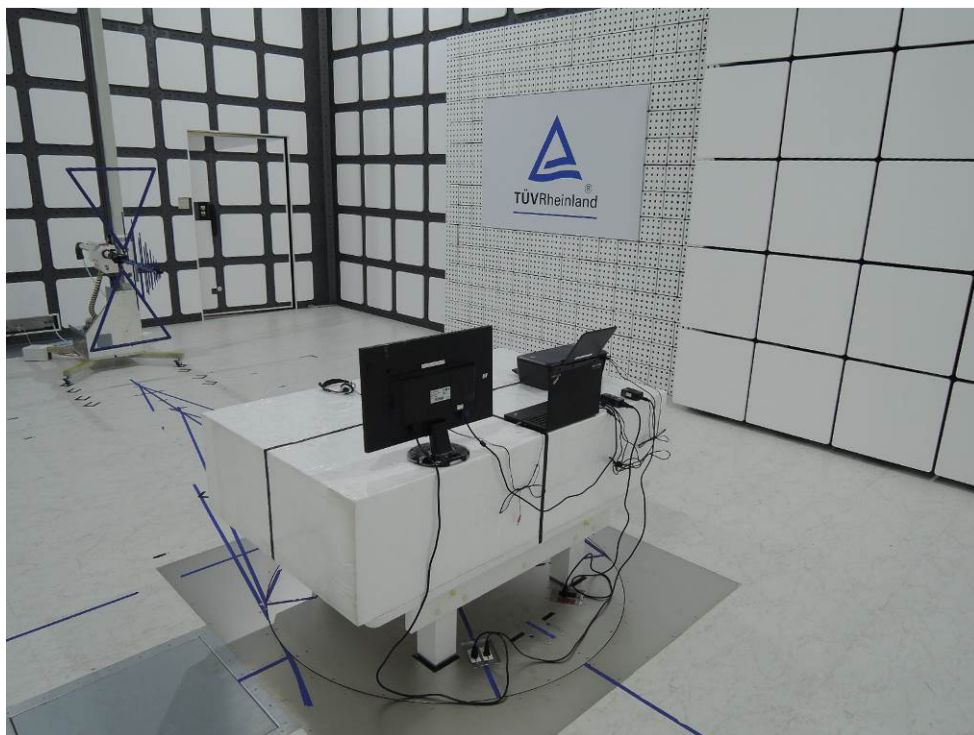
Note: The other peak readings were below average limit, thus no average measuring required for those.

## 6 Photographs of Test Setup

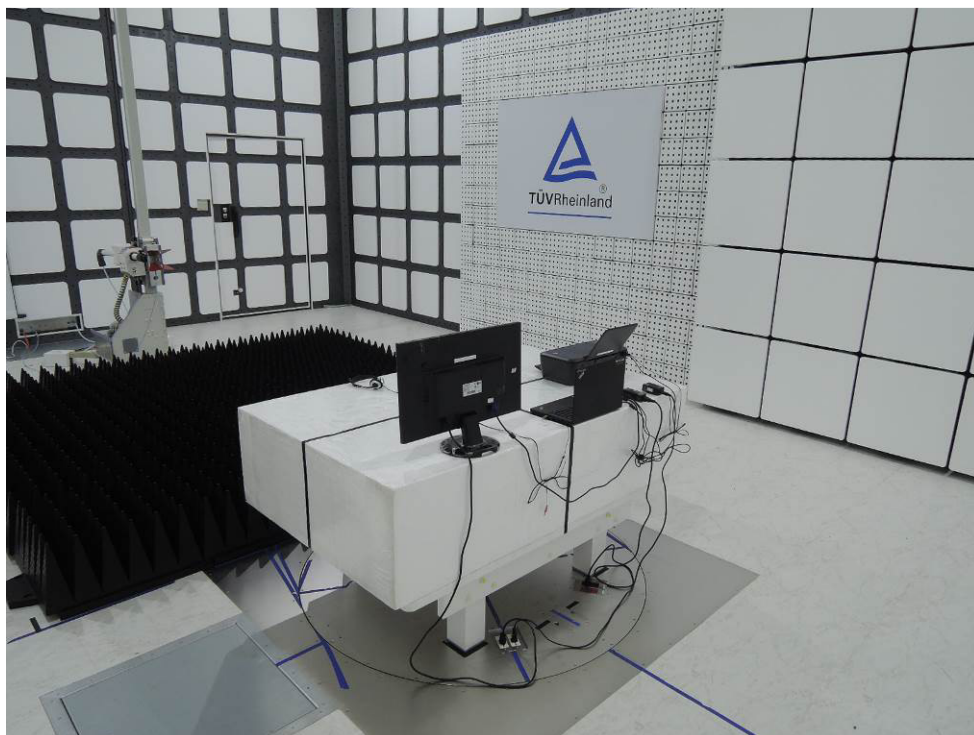
**Picture 1: Conducted Emission, AC Mains; 0.15 – 30 MHz**



**Picture 2: Radiated Emission, 30 - 1000 MHz**



**Picture 3: Radiated Emission, Above 1 GHz**



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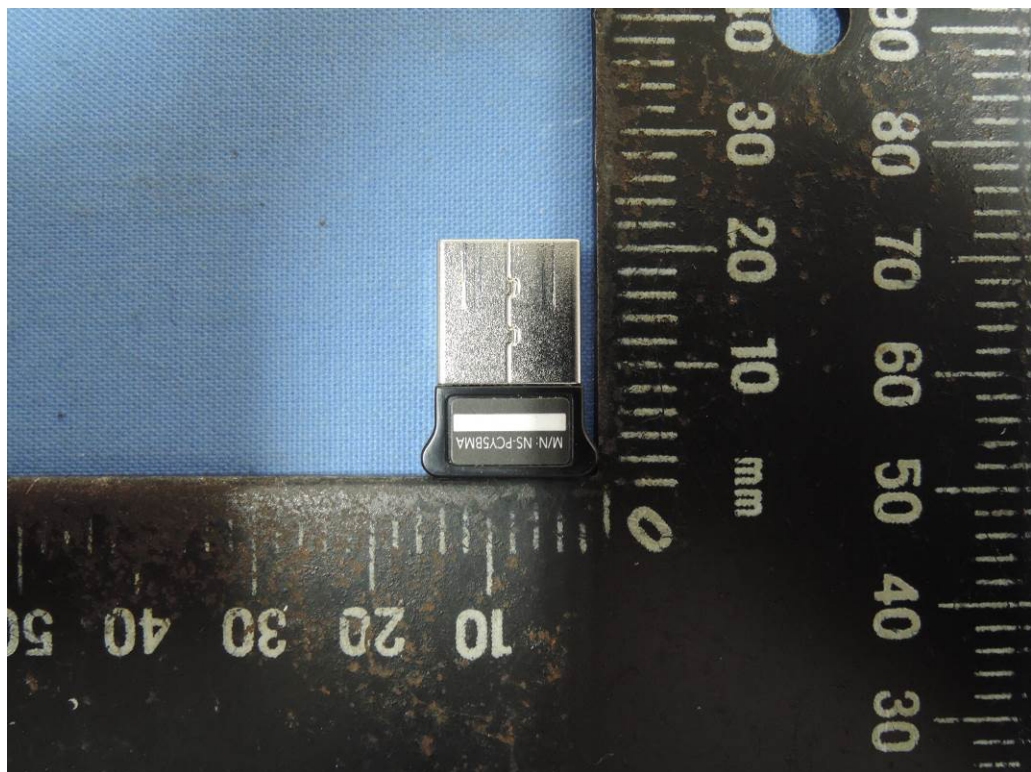
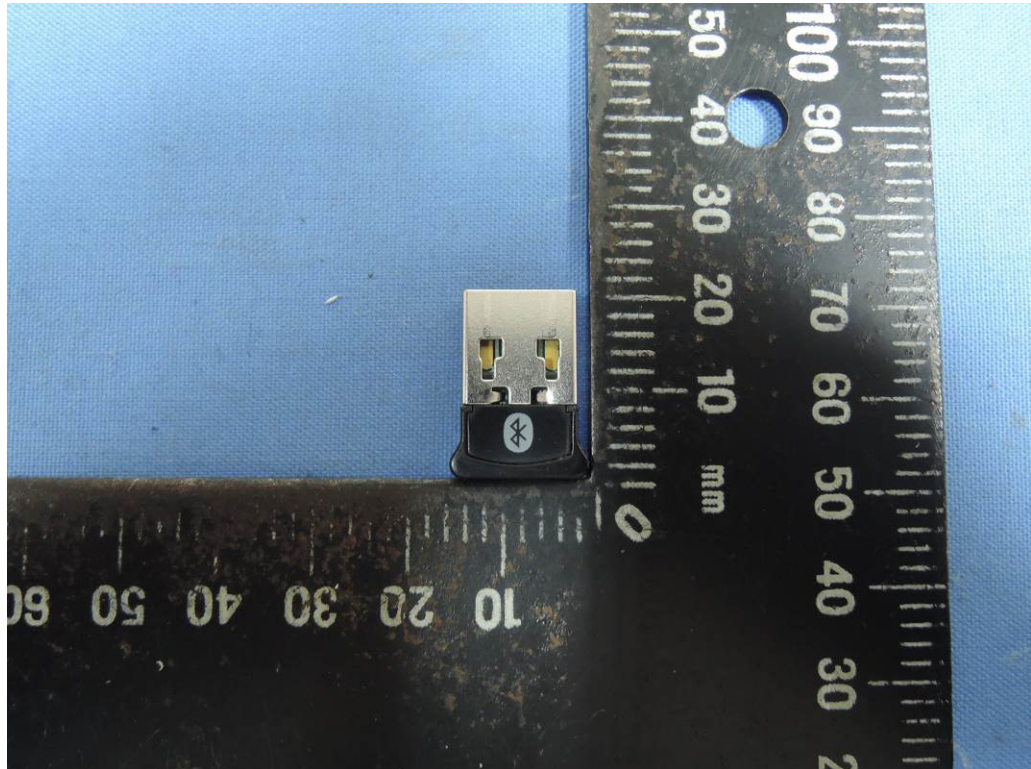
|                                                                    |           |
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Product: USB Dongle

Type Designation: NS-PCY5BMA2



Product: USB Dongle  
Type Designation: NS-PCY5BMA2



Product: USB Dongle

Type Designation: NS-PCY5BMA2

