

FORCE Technology Test Report



EMC emission test of Smart Connect

Performed for Anticimex Innovation Center

Report no.: 117-21624-5 Revision 1

Page 1 of 28

12 February 2018

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Title EMC emission test of Smart Connect

Test object Smart Connect

Report no. 117-21624-5 Revision 1

Test period 05 to 22 December 2017

Client Anticimex Innovation Center

Skovgårdsvej 25 3200 Helsinge Denmark

Tel.: +45 48207348

Contact person Dennis Dupont Hansen

E-mail: Dennis.hansen@anticimex.com

Manufacturer Anticimex Innovation Center

Specifications FCC 47 CFR Part 15, Subpart B, Class B

Results The test object was found to be in compliance with the

specifications

Test personnel Henrik Klarskov Møller

Peter Wolf Frandsen

Test site Venlighedsvej 4, 2970 Hørsholm, Denmark

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Date 12 February 2018

Project Manager

Peter Wolf Frandsen Specialist, EMC FORCE Technology

Jeh Moll Fred

Responsible

Karsten Kruse Jensen Head of Department FORCE Technology

This test report replaces previously issued test report 117-21624-5 dated 29 January 2018. The changes in this report are:

FCC ID corrected in Clause 2.1

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1. Summary of tests

| Tests | Test methods | Results |
|--|-----------------|------------|
| Measurement of radio frequency voltage on mains | ANSI C63.4:2014 | Passed, |
| | | see Note 1 |
| Measurement of radio frequency electromagnetic field | ANSI C63.4:2014 | Passed |

Note 1: The test object contains no AC mains port. The measurement was performed on Auxiliary equipment 2.2.1 as a representable AC mains source.

The given result is based on a shared risk principle with respect to the measurement uncertainty.

Conclusion

The test object mentioned in this report meets the requirements of the standard stated below, with respect to the tests listed above.

• FCC 47 CFR Part 15, Subpart B, Class B

The test results relate only to the object tested.

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2. Test object and auxiliary equipment

2.1 Test object



Photo 2.1.1 Test object and auxiliary equipment.

Test object 2.1.1

Name of test object Smart Connect

Model / type US-type
Part no. 300101
Serial no. 50000001

FCC ID 2AOFP-300101

Contains FCC ID XMR201510UC20

Manufacturer Anticimex Innovation Center

Supply voltage 5 V Software version 2.31

Hardware version E1025-03

Cycle time Continually

Highest frequency generated or used 2.1 GHz GSM

Comment None

Received Date: 05 December 2017. Status: Test object

sampled and provided by customer.

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2.2 Auxiliary equipment

Auxiliary equipment 2.2.1

Name of auxiliary equipment Power Supply Smart Connect

Model / type SK02G-0500300Z

Part no. Serial no. FCC ID -

 $\begin{array}{ll} \mbox{Manufacturer} & \mbox{STARWELL} \\ \mbox{Supply voltage} & 100\mbox{-}240\mbox{ V ac} \\ \mbox{Highest frequency generated or used} & <108\mbox{ MHz} \\ \end{array}$

Comment Auxiliary equipment supplied by the client, who

also has the responsibility for its correct function

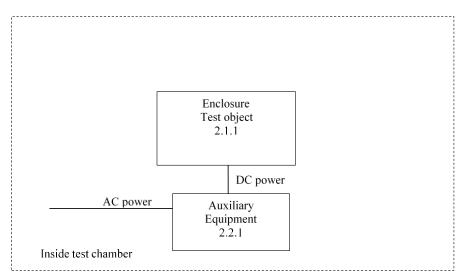
and setup.

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3. General test conditions

3.1 Test setup during test



Outside test chamber

Figure 3.1.1 Block diagram of test object with cables and auxiliary equipment.

| | | able | cable | М | ax. leng | gth |
|------------|------------|----------------|------------|-------|----------|--------|
| Cable name | Cable type | Shielded cable | Unshielded | < 3 m | < 30 m | ≥ 30 m |
| DC power | DC power | | X | X | | |
| AC power | AC power | | X | - | - | - |

Table 1: Cable specification.

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3.1.1 Description of test setup

Special SRD test modes were used during testing. The tests are performed with an AC power at 120 VAC.

There are four test modes: (Only one radio transmits at a time, no simultaneous transmission).

- 1. The radio module modem is continuously transmitting in the 824-835 MHz band at 826 MHz.
- 2. The radio module modem is continuously transmitting in the 1850-1865 MHz band at 1.853 GHz.
- 3. An SRD radio is continuously transmitting in the 902-928 MHz band at 920 MHz. See test report 117-21624-4.
- 4. Normal mode: Operation mode the device is active during the test and the radio module is deactivated (not transmitting). See test report 117-21624-4.

3.1.2 Description and intended use of test object

Rodent surveillance and trap with build-in radio communication, with a battery backup system

- 1. An SRD radio is continuously transmitting in the 902-928 MHz band at 920 MHz. See test report 117-21624-4.
- An SMS/GPRS modem using a certified radio module (certified as modular transmitters with FCC ID XMR201510UC20) is operating as per CFR47 part 22H or part 24E.

3.2 Test sequence

The tests described in this test report were performed in the following sequence:

- 1. Measurement of radio frequency electromagnetic field
- 2. Measurement of radio frequency voltage on mains

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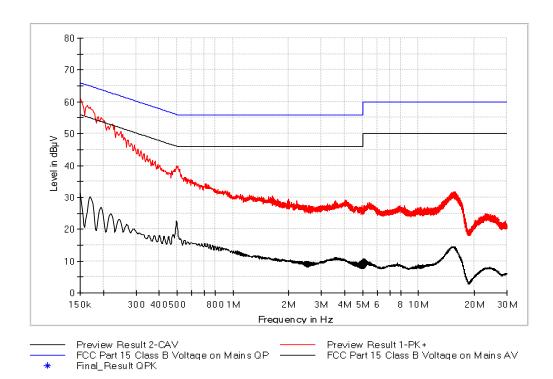


4. Test results

4.1 Measurement of radio frequency voltage on mains (GSM-826 MHz)

| Test object | Smart Connect | Sheet | CE-1 |
|---------------|--|-------------|--------------|
| Туре | US-type | Project no. | 117-21624-5 |
| Serial no. | 50000001 | Date | 21 Dec. 2018 |
| Client | Anticimex Innovation Center | Initials | HKM |
| Specification | FCC 47 CFR Part 15, Subpart B, Class B | Frequency | 0.15-30 MHz |

| Test method Characteristics | ANSI C63.4:2014 | Temperature Humidity | 21 °C 35 % RH |
|--------------------------------|--|-------------------------|------------------|
| Detector | Peak and average | Bandwidth | 9 kHz |
| Test equipm. | EMI room Hørsholm 49568 49429 49043 49457 29978 49900 49999 | Uncertainty | 2.7 dB |



Line under test Maximum of Line and Neutral

Test result The measured voltages were below the limit

Compliant Yes

Comments Mains voltage: 120 VAC.

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Photo 4.1.1 Test setup regarding measurement of radio frequency voltage on mains.



Photo 4.1.2 Test setup regarding measurement of radio frequency voltage on mains.

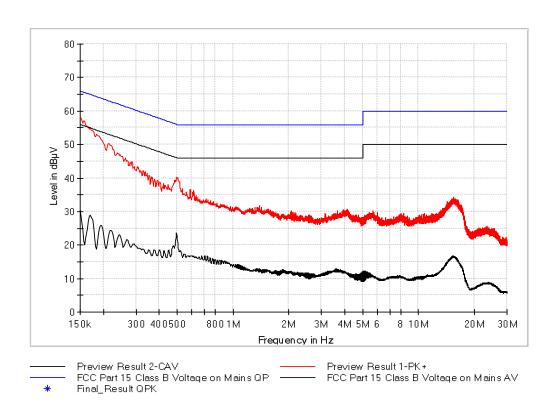
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4.2 Measurement of radio frequency voltage on mains (GSM-1.853 GHz)

| Test object | Smart Connect | Sheet | CE-2 |
|---------------|--|-------------|--------------|
| Туре | US-type | Project no. | 117-21624-5 |
| Serial no. | 50000001 | Date | 21 Dec. 2018 |
| Client | Anticimex Innovation Center | Initials | HKM |
| Specification | FCC 47 CFR Part 15, Subpart B, Class B | Frequency | 0.15-30 MHz |

| Test method Characteristics | ANSI C63.4:2014 | Temperature Humidity | 21 °C 35 % RH |
|--------------------------------|--|-------------------------|------------------|
| Detector | Peak and average | Bandwidth | 9 kHz |
| Test equipm. | EMI room Hørsholm 49568 49429 49043 49457 29978 49900 49999 | Uncertainty | 2.7 dB |



Line under test Maximum of Line and Neutral

Test result The measured voltages were below the limit

Compliant Yes

Comments Mains voltage: 120 VAC.

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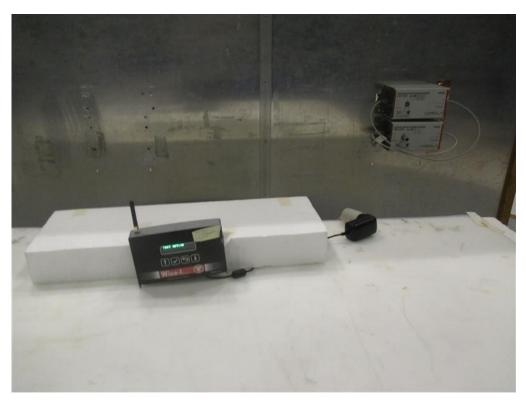


Photo 4.2.1 Test setup regarding measurement of radio frequency voltage on mains.



Photo 4.2.2 Test setup regarding measurement of radio frequency voltage on mains.

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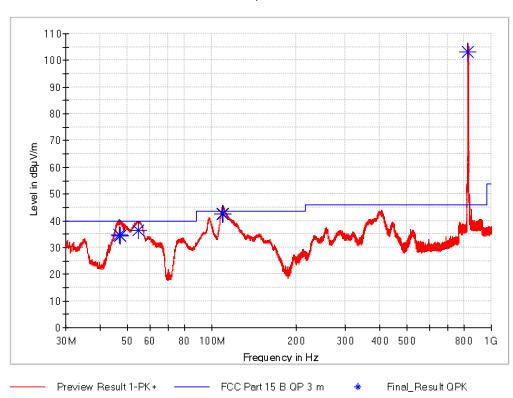


4.3 Measurement of radio frequency electromagnetic field (GSM-826 MHz)

| Test object | Smart Connect | Sheet | RE-1 |
|---------------|--|-------------|--------------|
| Туре | US-type | Project no. | 117-21624-5 |
| Serial no. | 50000001 | Date | 05 Dec. 2017 |
| Client | Anticimex Innovation Center | Initials | HKM |
| Specification | FCC 47 CFR Part 15, Subpart B, Class B | Frequency | 30-1000 MHz |

| Test method Characteristics | ANSI C63.4:2014 Complete search, antenna distance 3 m | Temperature Humidity | 21 °C 30 % RH |
|--------------------------------|--|-------------------------|------------------|
| Detector | Peak and quasi peak | Bandwidth | 120 kHz |
| Test equipm. | EMI room Hørsholm 49154 49704 49590 49817 49900 49999 49807 | Uncertainty | 6.3 dB |

Full Spectrum



Comments None

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| Test object | Smart Connect | Sheet | RE-2 |
|---------------|--|-------------|--------------|
| Туре | US-type | Project no. | 117-21624-5 |
| Serial no. | 50000001 | Date | 05 Dec. 2017 |
| Client | Anticimex Innovation Center | Initials | HKM |
| Specification | FCC 47 CFR Part 15, Subpart B, Class B | Frequency | 30-1000 MHz |

| Test method Characteristics | ANSI C63.4:2014 Complete search, antenna distance 3 m | Temperature Humidity | 21 °C 30 % RH |
|--------------------------------|--|-------------------------|------------------|
| Detector | Quasi peak | Bandwidth | 120 kHz |
| Test equipm. | EMI room Hørsholm 49154 49704 49590 49817 49900 49999 49807 | Uncertainty | 6.3 dB |

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Band width (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|--------------------|-----------------------|-------------------|----------------|-----------------------|------------------------|----------------|-----|---------------|---------------|
| 46.80 | 34.66 | 40.00 | 5.34 | 15000.0 | 120.0 | 104.0 | v | 137 | 17.9 |
| 46.86 | 34.49 | 40.00 | 5.51 | 15000.0 | 120.0 | 104.0 | ٧ | 137 | 17.9 |
| 46.92 | 34.47 | 40.00 | 5.53 | 15000.0 | 120.0 | 105.0 | ٧ | 137 | 17.9 |
| 54.66 | 36.58 | 40.00 | 3.42 | 15000.0 | 120.0 | 100.0 | ٧ | 182 | 14.8 |
| 109.32 | 42.51 | 43.50 | 0.99 | 15000.0 | 120.0 | 102.0 | ٧ | 271 | 19.2 |
| 109.35 | 42.51 | 43.50 | 0.99 | 15000.0 | 120.0 | 102.0 | ٧ | 272 | 19.2 |
| 109.38 | 42.43 | 43.50 | 1.07 | 15000.0 | 120.0 | 102.0 | ٧ | 272 | 19.2 |
| 109.44 | 42.51 | 43.50 | 0.99 | 15000.0 | 120.0 | 102.0 | ٧ | 272 | 19.2 |
| 109.47 | 42.48 | 43.50 | 1.02 | 15000.0 | 120.0 | 104.0 | ٧ | 271 | 19.2 |
| 109.50 | 42.44 | 43.50 | 1.06 | 15000.0 | 120.0 | 104.0 | ٧ | 271 | 19.3 |
| 109.53 | 42.64 | 43.50 | 0.86 | 15000.0 | 120.0 | 102.0 | ٧ | 227 | 19.3 |
| 825.15 | 103.27 | In Band | n/a | 15000.0 | 120.0 | 100.0 | Н | 327 | 33.9 |

Compliant Yes

Comments Final maximal measurements by variation of turntable

azimuth, antenna height, and antenna polarisation.

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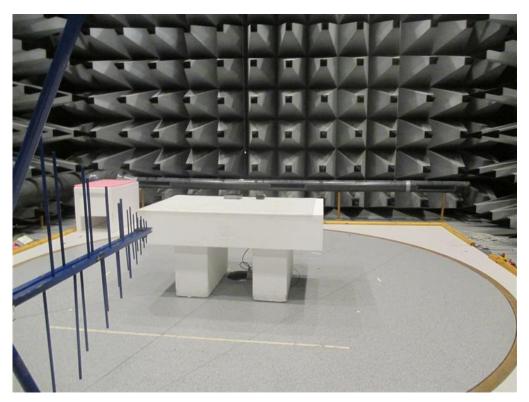


Photo 4.3.1 Test setup regarding measurement of radio frequency electromagnetic field.

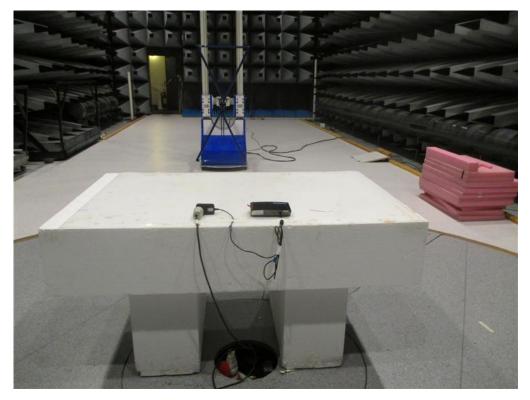


Photo 4.3.2 Test setup regarding measurement of radio frequency electromagnetic field.

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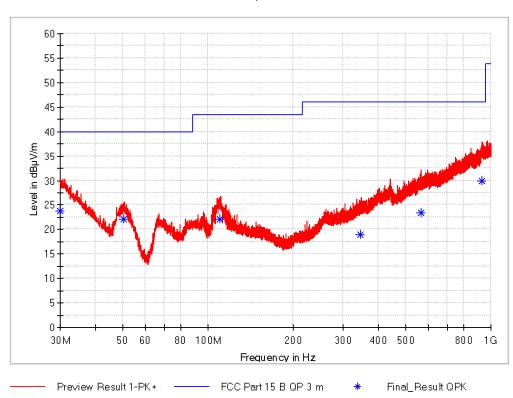


4.4 Measurement of radio frequency electromagnetic field (GSM-1.853 GHz)

| Test object | Smart Connect | Sheet | RE-3 |
|---------------|--|-------------|--------------|
| Туре | US-type | Project no. | 117-21624-5 |
| Serial no. | 50000001 | Date | 08 Dec. 2017 |
| Client | Anticimex Innovation Center | Initials | PWF |
| Specification | FCC 47 CFR Part 15, Subpart B, Class B | Frequency | 30-1000 MHz |

| Test method Characteristics | ANSI C63.4:2014 Complete search, antenna distance 3 m | Temperature Humidity | 23 °C 36 % RH |
|--------------------------------|--|-------------------------|------------------|
| Detector | Peak and quasi peak | Bandwidth | 120 kHz |
| Test equipm. | EMI room Hørsholm 49154 49704 49590 49817 49900 49999 49807 | Uncertainty | 6.3 dB |

Full Spectrum



Comments None

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| Test object | Smart Connect | Sheet | RE-4 |
|---------------|--|-------------|--------------|
| Туре | US-type | Project no. | 117-21624-5 |
| Serial no. | 50000001 | Date | 08 Dec. 2017 |
| Client | Anticimex Innovation Center | Initials | PWF |
| Specification | FCC 47 CFR Part 15, Subpart B, Class B | Frequency | 30-1000 MHz |

| Test method Characteristics | ANSI C63.4:2014 Complete search, antenna distance 3 m | Temperature Humidity | 23 °C 36 % RH |
|--------------------------------|--|-------------------------|------------------|
| Detector | Quasi peak | Bandwidth | 120 kHz |
| Test equipm. | EMI room Hørsholm 49154 49704 49590 49817 49900 49999 49807 | Uncertainty | 6.3 dB |

| Frequency | QuasiPeak | Limit | Margin | Meas. | Band | Height | Pol | Azimuth | Corr. |
|-----------|-----------|----------|--------|---------|-------|--------|-----|---------|-------|
| (MHz) | (dBµV/m) | (dBµV/m) | (dB) | Time | width | (cm) | | (deg) | (dB) |
| | | | | (ms) | (kHz) | | | | |
| 30.00 | 23.77 | 40.00 | 16.23 | 15000.0 | 120.0 | 202.0 | V | 4 | 26.8 |
| 50.22 | 22.16 | 40.00 | 17.84 | 15000.0 | 120.0 | 102.0 | V | 231 | 16.3 |
| 109.80 | 22.07 | 43.50 | 21.43 | 15000.0 | 120.0 | 102.0 | ٧ | -51 | 19.3 |
| 346.47 | 18.99 | 46.00 | 27.01 | 15000.0 | 120.0 | 284.0 | Н | 91 | 24.2 |
| 564.99 | 23.38 | 46.00 | 22.62 | 15000.0 | 120.0 | 300.0 | Н | 276 | 29.7 |
| 931.11 | 29.97 | 46.00 | 16.03 | 15000.0 | 120.0 | 400.0 | Н | 326 | 35.6 |

Compliant Yes

Comments Final maximal measurements by variation of turntable

azimuth, antenna height, and antenna polarisation.

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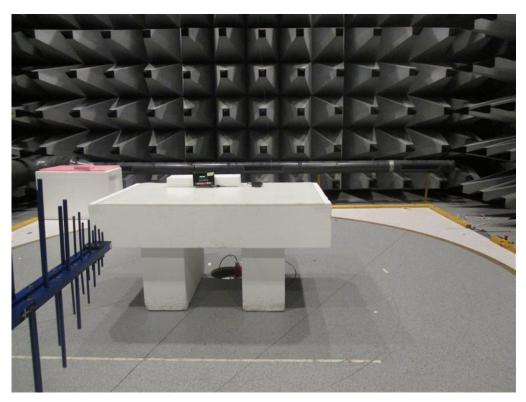


Photo 4.4.1 Test setup regarding measurement of radio frequency electromagnetic field.

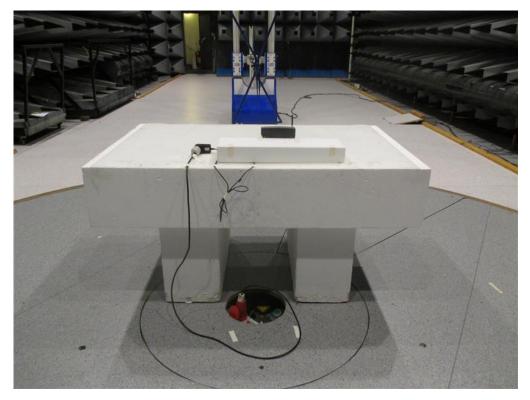


Photo 4.4.2 Test setup regarding measurement of radio frequency electromagnetic field.

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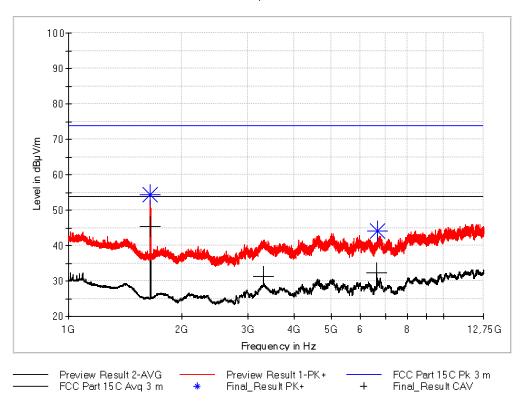


4.5 Measurement of radio frequency electromagnetic field (> 1 GHz) (GSM-826 MHz)

| Test object | Smart Connect | Sheet | RE-5 |
|---------------|--|-------------|--------------|
| Туре | US-type | Project no. | 117-21624-5 |
| Serial no. | 50000001 | Date | 08 Dec. 2017 |
| Client | Anticimex Innovation Center | Initials | PWF |
| Specification | FCC 47 CFR Part 15, Subpart B, Class B | Frequency | 1-12.75 GHz |

| Test method Characteristics | ANSI C63.4:2014 Complete search, antenna distance 3 m | Temperature Humidity | 23 °C 36 % RH |
|--------------------------------|--|-------------------------|------------------|
| Detector | Peak and average | Bandwidth | 1 MHz |
| Test equipm. | EMI room Hørsholm 49900 49999 49624 49625 49622 49623 | Uncertainty | 4.9 dB |

Full Spectrum



Comments None

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| Test object | Smart Connect | Sheet | RE-6 |
|---------------|--|-------------|--------------|
| Туре | US-type | Project no. | 117-21624-5 |
| Serial no. | 50000001 | Date | 08 Dec. 2017 |
| Client | Anticimex Innovation Center | Initials | PWF |
| Specification | FCC 47 CFR Part 15, Subpart B, Class B | Frequency | 1-12.75 GHz |

| Test method Characteristics | ANSI C63.4:2014 Complete search, antenna distance 3 m | Temperature Humidity | 23 °C 36 % RH |
|--------------------------------|--|-------------------------|------------------|
| Detector | Peak and average | Bandwidth | 1 MHz |
| Test equipm. | EMI room Hørsholm 49900 49999 49624 49625 49622 49623 | Uncertainty | 4.9 dB |

| MaxPeak (dBµV/m) | CAverage (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time | Height (cm) | Pol | Corr. (dB) | Azimuth (deg) |
|---------------------|----------------------|--|--|--|--|---|---|--|
| 54 36 | | 73 90 | 19 54 | ` ' | 263.0 | н | -133 | 214 |
| | | | | | | | | 49 |
| | | | | | | | | 130 |
| | | | | | | | | 6 |
| | | | | | | • | | 300 |
| | | (dBμV/m) (dBμV/m) 54.36 45.38 31.37 32.29 | (dBμV/m) (dBμV/m) (dBμV/m) 54.36 73.90 45.38 53.90 31.37 53.90 32.29 53.90 | (dBμV/m) (dBμV/m) (dBμV/m) (dB) 54.36 73.90 19.54 45.38 53.90 8.52 31.37 53.90 22.53 32.29 53.90 21.61 | (dBμV/m) (dBμV/m) (dBμV/m) (dB) Time (ms) 54.36 73.90 19.54 15000.0 45.38 53.90 8.52 15000.0 31.37 53.90 22.53 15000.0 32.29 53.90 21.61 15000.0 | (dBμV/m) (dBμV/m) (dBμV/m) (dB) Time (ms) (cm) 54.36 73.90 19.54 15000.0 263.0 45.38 53.90 8.52 15000.0 209.0 31.37 53.90 22.53 15000.0 100.0 32.29 53.90 21.61 15000.0 110.0 | (dBμV/m) (dBμV/m) (dBμV/m) (dB) Time (ms) (cm) 54.36 73.90 19.54 15000.0 263.0 H 45.38 53.90 8.52 15000.0 209.0 H 31.37 53.90 22.53 15000.0 100.0 H 32.29 53.90 21.61 15000.0 110.0 V | (dBμV/m) (dBμV/m) (dBμV/m) (dB) Time (ms) (cm) (dB) 54.36 73.90 19.54 15000.0 263.0 H -13.3 45.38 53.90 8.52 15000.0 209.0 H -13.3 31.37 53.90 22.53 15000.0 100.0 H -41.0 32.29 53.90 21.61 15000.0 110.0 V -35.3 |

Compliant Yes

Comments Final measurements by variation of turntable azimuth,

antenna height, and antenna polarisation.

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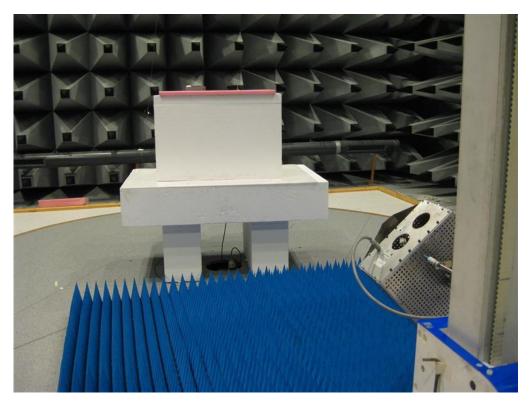


Photo 4.5.1 Test setup regarding measurement of radio frequency electromagnetic field (above 1 GHz).

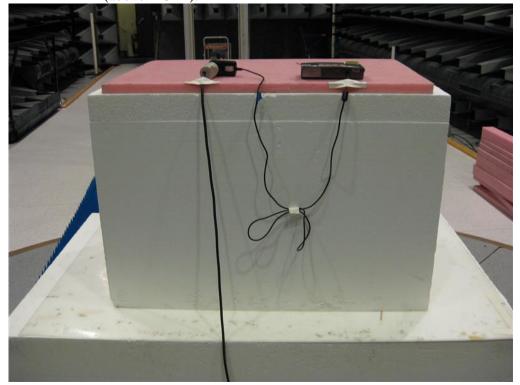


Photo 4.5.2 Test setup regarding measurement of radio frequency electromagnetic field (above 1 GHz).

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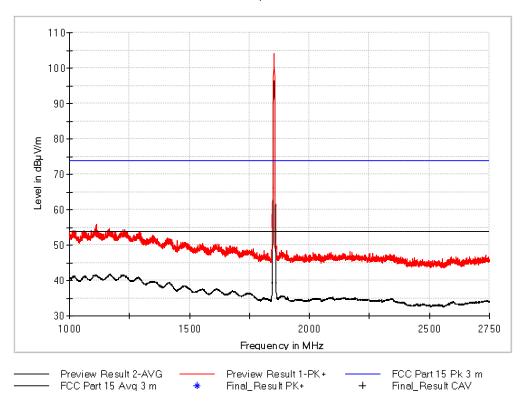


4.6 Measurement of radio frequency electromagnetic field (> 1 GHz) (GSM-1.853 GHz)

| Test object | Smart Connect | Sheet | RE-7 |
|---------------|--|-------------|--------------|
| Туре | US-type | Project no. | 117-21624-5 |
| Serial no. | 50000001 | Date | 22 Dec. 2017 |
| Client | Anticimex Innovation Center | Initials | PWF |
| Specification | FCC 47 CFR Part 15, Subpart B, Class B | Frequency | 1-2.75 GHz |

| Test method Characteristics | ANSI C63.4:2014 Complete search, antenna distance 3 m | Temperature Humidity | 21 °C 34 % RH |
|--------------------------------|--|-------------------------|------------------|
| Detector | Peak and average | Bandwidth | 1 MHz |
| Test equipm. | EMI room Hørsholm 49900 49999 49624 49625 49590 49823 49704 | Uncertainty | 4.9 dB |

Full Spectrum



Comments None

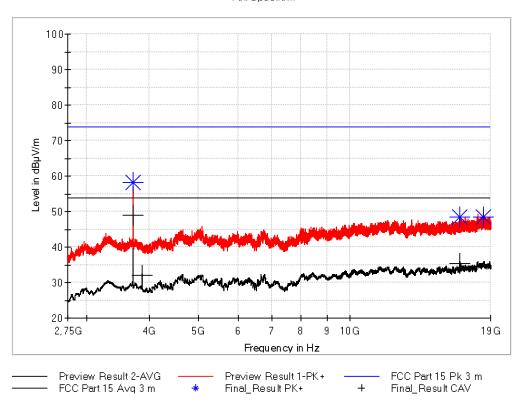
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| Test object | Smart Connect | Sheet | RE-8 |
|---------------|--|-------------|--------------|
| Туре | US-type | Project no. | 117-21624-5 |
| Serial no. | 5000001 | Date | 22 Dec. 2017 |
| Client | Anticimex Innovation Center | Initials | PWF |
| Specification | FCC 47 CFR Part 15, Subpart B, Class B | Frequency | 2.75-19 GHz |

| Test method Characteristics | ANSI C63.4:2014 Complete search, antenna distance 3 m | Temperature Humidity | 21 °C 34 % RH |
|--------------------------------|--|-------------------------|------------------|
| Detector | Peak and average | Bandwidth | 1 MHz |
| Test equipm. | EMI room Hørsholm 49900 49999 49624 49625 49590 49823 49704 | Uncertainty | 4.9 dB |

Full Spectrum



Comments None

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| Test object | Smart Connect | Sheet | RE-9 |
|---------------|--|-------------|--------------|
| Туре | US-type | Project no. | 117-21624-5 |
| Serial no. | 50000001 | Date | 22 Dec. 2017 |
| Client | Anticimex Innovation Center | Initials | PWF |
| Specification | FCC 47 CFR Part 15, Subpart B, Class B | Frequency | 1-19 GHz |

| Test method Characteristics | ANSI C63.4:2014 Complete search, antenna distance 3 m | Temperature Humidity | 21 °C 34 % RH |
|--------------------------------|--|-------------------------|------------------|
| Detector | Peak and average | Bandwidth | 1 MHz |
| Test equipm. | EMI room Hørsholm 49900 49999 49624 49625 49590 49823 49704 | Uncertainty | 4.9 dB |

| Frequency | MaxPeak | CAverage | Limit | Margin | Meas. | Height | Pol | Corr. | Azimu |
|-----------|----------|----------|----------|--------|---------|--------|-----|-------|-------|
| (MHz) | (dBµV/m) | (dBµV/m) | (dBµV/m) | (dB) | Time | (cm) | | (dB) | th |
| | | | | | (ms) | | | | (deg) |
| 3706.25 | | 48.98 | 53.90 | 4.92 | 15000.0 | 109.0 | Н | -40.4 | 25 |
| 3706.75 | 58.24 | | 73.90 | 15.66 | 15000.0 | 110.0 | Н | -40.4 | 31 |
| 3864.75 | | 31.98 | 53.90 | 21.92 | 15000.0 | 126.0 | Н | -40.5 | 129 |
| 16480.75 | | 35.33 | 53.90 | 18.57 | 15000.0 | 102.0 | Н | -21.1 | 246 |
| 16490.75 | 48.50 | - | 73.90 | 25.40 | 15000.0 | 102.0 | ٧ | -21.4 | 185 |
| 18414.50 | 48.39 | - | 73.90 | 25.51 | 15000.0 | 218.0 | ٧ | -18.3 | 275 |

Compliant Yes

Comments Final measurements by variation of turntable azimuth,

antenna height, and antenna polarisation.

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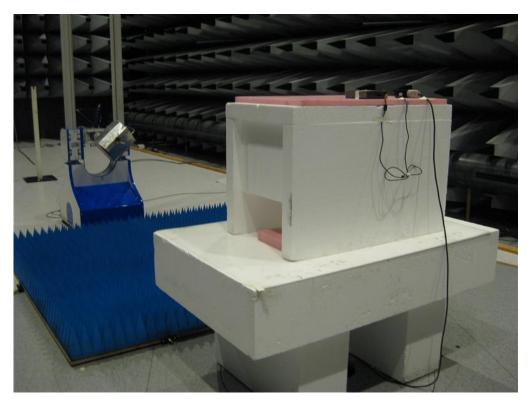


Photo 4.6.1 Test setup regarding measurement of radio frequency electromagnetic field (above 1 GHz).

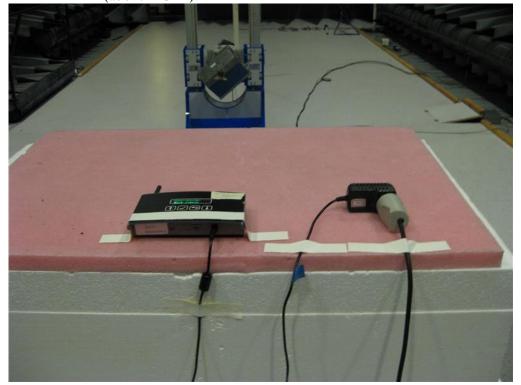


Photo 4.6.2 Test setup regarding measurement of radio frequency electromagnetic field (above 1 GHz).

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5. National registrations and accreditations

5.1 DANAK Accreditation

Organization: Danish Accreditation and Metrology Fund - DANAK,

see www.danak.dk and www.ilac.org

Registration Number: 19

Area Number: C

DANAK is part of ILAC (International Laboratory Accreditation Cooperation) including its MRA (Mutual Recognition Arrangement). The MRA includes the Australian NATA

and Canadian SCC.

5.2 FCC Registrations

Organization: Federal Communications Commission, USA

Registration Number: 913950

Facilities: EMC room 2 Hørsholm (EMC-2)

EMC room 3 Hørsholm (EMC-3) EMC room 4 Hørsholm (EMC-4) EMI room Hørsholm (EMC-5)

5.3 VCCI Registrations

Organization: Voluntary Control Council for Interference by Information

Technology, Japan

Member Number: 910

Facilities: EMC room 3 Hørsholm (EMC-3): C-2532 and T-1548

EMC room 4 Hørsholm (EMC-4): C-2533 and T-1549 EMI room Hørsholm (EMC-5): R-1180, C-706, T-1550

and G-470

5.4 IC Registrations

Organization: Industry Canada, Certification and Engineering Bureau

Registration Number: IC4187A-5

Facilities: EMI room Hørsholm (EMC-5)

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6. List of instruments

| No | Category/Action | Manufacturer | Type no | Cal. date | Cal. exp. |
|-------|---------------------------------------|-----------------|----------------------------|------------|------------|
| 29978 | CABLE#34, RG 223, 40 m, COND. | SUHNER | RG 223/U | 02-11-2017 | 02-11-2018 |
| | EMISSION, ROOM 5 | | | | |
| 49043 | COAXIAL SWITCH ROOM 5 (EMI) | RLC ELECTRONICS | SM-3-N | 02-11-2017 | 02-11-2018 |
| 49154 | Bilog Antenne | CHASE | CBL6111A | 23-06-2016 | 23-06-2018 |
| 49429 | CABLE 2m N-Nangle | | RG214U | 02-11-2017 | 02-11-2018 |
| 49457 | CABLE 3m BNC-BNC | SUHNER | RG 223/U | 02-11-2017 | 02-11-2018 |
| 49568 | ARTIFICIAL MAINS NETWORK | ROHDE&SCHWARZ | ESH2/Z5 | 15-09-2017 | 15-09-2018 |
| 49590 | CABLE, LOW-LOSS uWAVE CABLE, | SUHNER | SUCOFLEX 104 | 02-11-2017 | 02-11-2018 |
| | N-N, 8.0 m "EMI" | | PB | | |
| | CABLE 3.25 M PC3.5 MALE- | HUBER+SUHNER | | 03-11-2017 | 03-11-2018 |
| | FEMALE SUCOFLEX 104 | | | | |
| 49623 | CABLE 16 M PC3.5 MALE-MALE | HUBER+SUHNER | | 03-11-2017 | 03-11-2018 |
| | SUCOFLEX 104PB | | | | |
| 49624 | DUAL RIDGE HORN ANTENNA – | SATIMO | SH2000 | 04-11-2014 | 04-11-2017 |
| | 1GHZ-26GHZ (2GHZ-32GHZ) | | | | |
| 49625 | SRD COAX SWITCH MATRIX USED | DELTA | COAX SWITCH | 03-11-2017 | 03-11-2018 |
| | IN 1GHZ TO 26GHZ SRD | | MATRIX | | |
| | ANTENNASYSTEM | <u></u> | 01100=1=1/1101 | | |
| | CABLE 3 m SMA-N | SUHNER | | 04-11-2017 | 04-11-2018 |
| | · · · · · · · · · · · · · · · · · · · | HUBER-SUHNER | 6806.17A | 15-02-2017 | 15-02-2018 |
| | CABLE, LOW-LOSS uWAVE CABLE, | SUHNER | SUCOFLEX 104 | 02-11-2017 | 02-11-2018 |
| | N-N, 8.0 m "EMI" | | PB | | |
| 49823 | CABLE SF126 SMA-SMA 7 m | HUBER & SUHNER | SF126/11SMA/11 SMA/7000 | 21-12-2017 | 21-12-2018 |
| 49900 | SPECTRUM ANALYZER / | ROHDE & | ESW26 | 11-09-2017 | 11-09-2018 |
| | MEASUREMENT RECEIVER | SCHWARZ | | | |
| 49999 | EMC32-SOFTWARE | ROHDE & | Ver. 9.26 | N/A | N/A |
| | | SCHWARZ | | | |

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