



FORCE Technology Test Report



Radio parameter test of Smart Clima – 300600 according to FCC specifications

Performed for Anticimex Innovation Center A/S

Project no.: 120-25828-8

Page 1 of 62

19 February 2021

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Title	Radio parameter test of Smart Clima – 300600 according to FCC specifications
Test object	Smart Clima – 300600
Project no.	120-25828-8
Test period	10 August 2020 to 05 October 2020
Client	Anticimex Innovation Center A/S Skovgaardsvej 25 3200 Helsingø Denmark Tel.: +45 48 79 93 78
Contact person	Rasmus Skou Bjerre E-mail: rasmus.skou.bjerre@anticimex.com
Manufacturer	Anticimex Innovation Center A/S
Specifications	FCC 47 CFR Part 15C - Subpart 15.247, DTS (Digital Transmission System)
Results	The test object was found to be in compliance with the specifications, as listed in Section 1
Test personnel	Peter Wolf Frandsen
Test site	FORCE Technology, Venlighedsvej 4, 2970 Hørsholm, Denmark

Date 19 February 2021

Project Manager

A handwritten signature in blue ink, appearing to read "Peter Wolf Frandsen".

Peter Wolf Frandsen
Specialist EMC
FORCE Technology

Responsible

A handwritten signature in blue ink, appearing to read "Niels Møller".

Niels Møller
Senior specialist
FORCE Technology

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1. Summary of tests

Tests	Test methods	Specification	Results
Measurement of 6 dB Bandwidth	ANSI C63.10:2013	47 CFR Part 15C Subpart 15.247(a)(2)	Passed
Measurement of maximum conducted output power	ANSI C63.10:2013	47 CFR Part 15C Subpart 15.247(b)(3)	Passed
Measurement of 20 dB Bandwidth	ANSI C63.10:2013	47 CFR Part 15C Subpart 15.215(c)	Passed
Measurement of Power Spectral Density	ANSI C63.10:2013	47 CFR Part 15C Subpart 15.247(e)	Passed
Measurement of conducted spurious emission	ANSI C63.10:2013	47 CFR Part 15C Subpart 15.247(d)	N/A Note 2
Measurement of radiated emission; restricted bands	ANSI C63.10:2013	47 CFR Part 15C Subpart 15.209	Passed
Measurement of Conducted limits	ANSI C63.10:2013	47 CFR Part 15C Subpart 15.209	N/A Note 1
Measurement of band edge compliance	ANSI C63.10:2013	47 CFR Part 15C Subpart 15.209(b)	Passed

Note 1: The test object contains no AC mains port

Note 2: Measurement performed radiated according to Subpart 15.247(d)

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 15C
- Subpart 15.247, DTS (Digital Transmission System)

The test results relate only to the object tested.

2. Test object and auxiliary equipment

2.1 Test object



Photo 2.1.1 Test object. Front.



Photo 2.1.2 Test object. Rear.

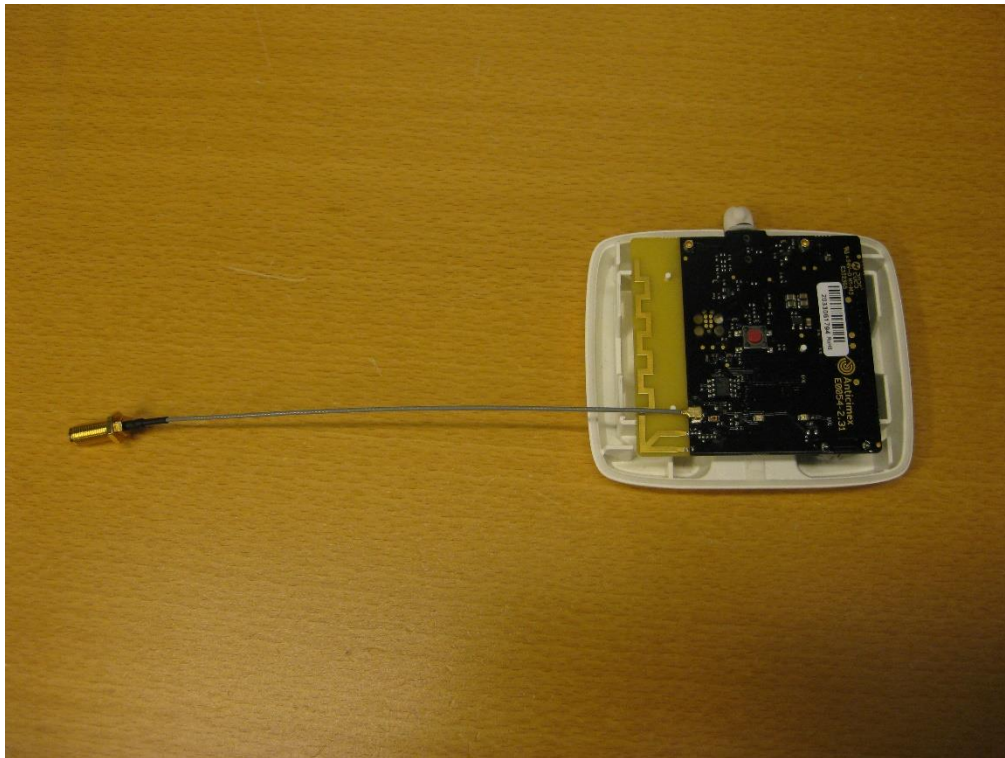


Photo 2.1.3 Test object. Antenna replaced by SMA connector.

Test object 2.1.1

Name of test object	Smart Clima
Model / type	300600 Rev. A
Part no.	E0054
Serial no.	EMC-1
FCC ID	2AOFP-E0054
Manufacturer	Anticimex Innovation Center A/S
Supply voltage	Internally powered: 3.6 V DC, 2700 mAh
Software version	Special radio test firmware-V1
Hardware version	E0054-2.31
Cycle time	Continually
Highest frequency generated or used	926 MHz
Comment	-
Received	Date: 11 August 2020 Status: Test object sampled and provided by customer

Test object 2.1.2

Name of test object	Smart Clima
Model / type	300600 Rev. A
Part no.	E0054
Serial no.	SRD-1
FCC ID	2A0FP-E0054
Manufacturer	Anticimex Innovation Center A/S
Supply voltage	Internally powered: 3.6 V DC, 2700 mAh
Software version	Special radio test firmware
Hardware version	E0054-2.31
Cycle time	Continually
Highest frequency generated or used	926 MHz
Comment	Antenna replaced by SMA connector
Received	Date: 11 August 2020 Status: Test object sampled and provided by customer

2.2 Auxiliary equipment

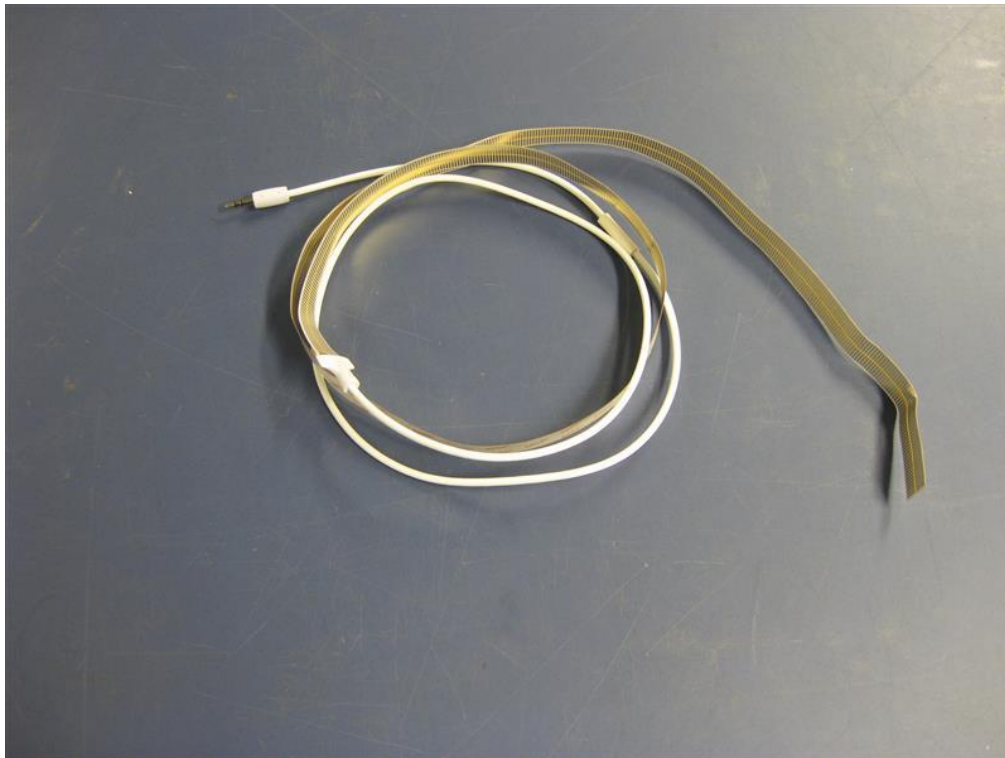


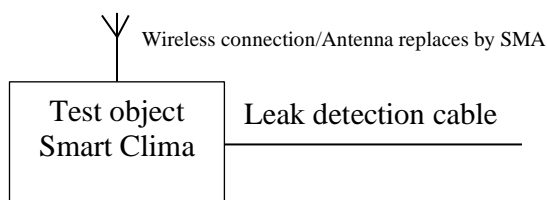
Photo 2.2.1 Auxiliary equipment.

Auxiliary equipment 2.2.1

Name of auxiliary equipment	Leak detection cable
Model / type	
Part no.	
Serial no.	
FCC ID	-
Manufacturer	Anticimex Innovation Center A/S
Supply voltage	-
Highest frequency generated or used	-
Comment	Auxiliary equipment supplied by the client, who also has the responsibility for its correct function and set-up.

3. General test conditions

3.1 Test set-up during test



Cable name	Cable type	Shielded cable	Unshielded cable	Max. length		
				< 3 m	< 30 m	≥ 30 m
Antenna port	Wireless connection	-	-	-	-	-
Leak detection cable	Wire with 3.5 mm jack	-	X	X	-	-

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

3.1.1 Description of test set-up

The Smart Clima has been flashed with firmware specifically made for testing the radio module. To change the mode of the Smart Sense Mini press the button on top, each press of the button will change the mode to the next in line.

Test set-up was done according to Anticimex document: Guide for radio test of Smart Sense Mini (15.05.2020). (This guide can be used for Smart Clima).

3.1.2 Description and intended use of test object

A Smart Clima can be used as a hygrometer to monitor the relative humidity and temperature as an early warning system for potential mold problems. The Smart Clima can also be fitted with a leak detection cable to function as a leak detection alarm.

The test object has an 902-928 MHz band radio build in with one antenna, one modulation, one data rate and one RF power level per frequency band.

3.1.3 Test modes during emission tests

The following modes were used during test: (LEDs off)

MODE_TX_917 = 2; Continuous TX 917 MHz - modulated signal.

MODE_TX_922 = 4; Continuous TX 922 MHz - modulated signal.

MODE_TX_926 = 5; Continuous TX 926 MHz - modulated signal.

MODE_RX_921 = 7; RX mode 921 MHz.

3.1.4 Nominal power consumption

Internally powered: 3.6 V DC, 2700 mAh

3.1.5 Radio and product specification

US – Singapore (Sg) – Malaysia (My) – Australia (Au) – New Zealand (NZ)

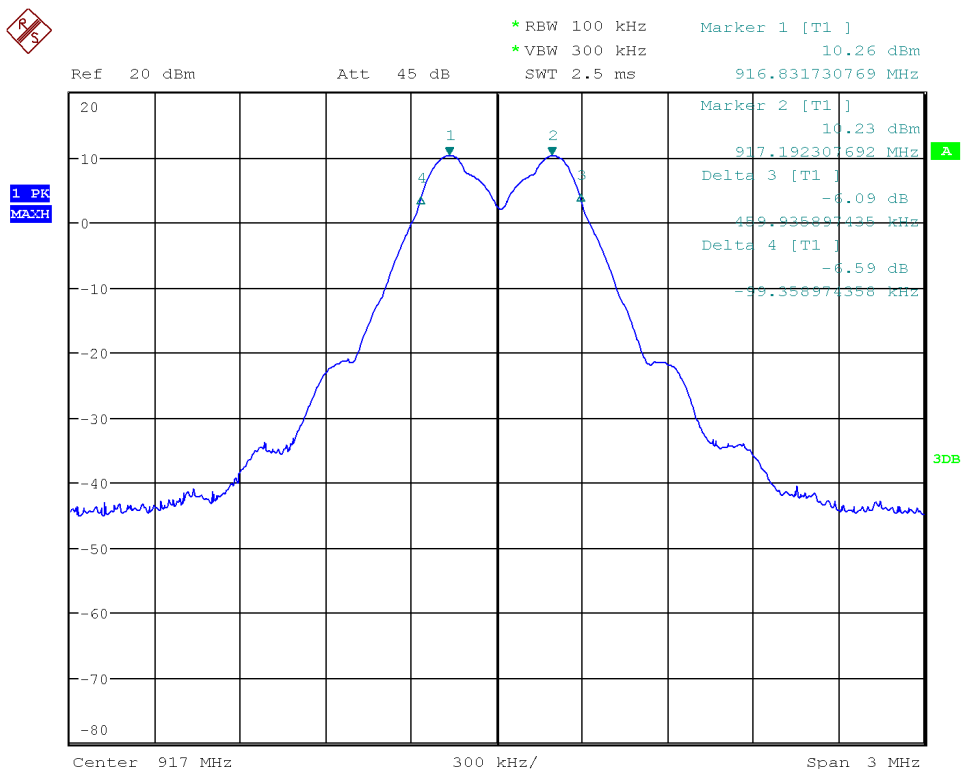
Radio technology	Proprietary
Fundamental operating frequency (f_center) [MHz]	US/Au/NZ: 917-926 My/Sg: 922
Numbers of antennas	1
Antenna type	Integral antenna
Antenna part no.	IFA type PCB integrated antenna
Antenna gain [dBi]	-1.3 (declared by client)
Equipment Class: Fixed use?	No
Equipment Class: Mobile use?	Yes
Equipment Class: Portable use?	No
Transmit mode available	Yes
Transmit standby mode / other modes available	Yes
Receive mode available	Yes
Frequency range [MHz]	US/Au/NZ: 902-928 Sg: 920-925 My: 919-923 (924)
Maximum power [mW e.r.p.]	25
Number of power levels	1
Number of channels	US/Au/NZ: 5 Sg: 1 (922 MHz) My: 1 (922 MHz)
Channel spacing [MHz]	US/Au/NZ: 2
Modulation forms	WB-DSSS with 4x spreading factor, 2-GFSK, FEC=2
Maximum Data Rate [kbps]	30
Bandwidth 6dB [kHz]	> 560
Maximum Duty Cycle during normal use [%]	1
Number of power supplies	1
Power supply type	Lithium-type battery
Nominal Voltage	3.6 VDC
Maximum operating voltage	3.6 VDC
Minimum operating voltage	3.0 VDC
Battery minimum low voltage	2.5 VDC

4. Test results

4.1 Measurement of 6 dB bandwidth

Test object	Smart Clima	Sheet	PROF-1
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty	1.5 dB
SA Settings	RBW: 100 kHz VBW: 300 kHz SPAN: 3 MHz DET: Peak CF: 917 MHz Trace: Max. hold		

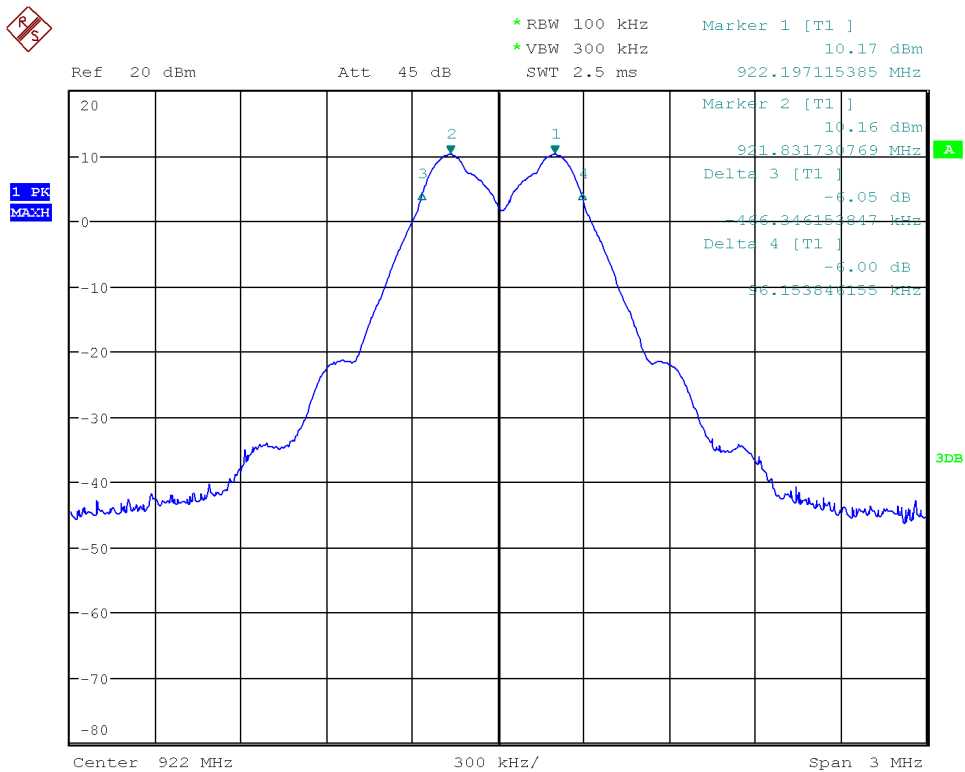


Comments

Operating frequency: 917 MHz

Test object	Smart Clima	Sheet	PROF-2
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty	1.5 dB
SA Settings	RBW: 100 kHz VBW: 300 kHz SPAN: 3 MHz DET: Peak CF: 922 MHz Trace: Max. hold		

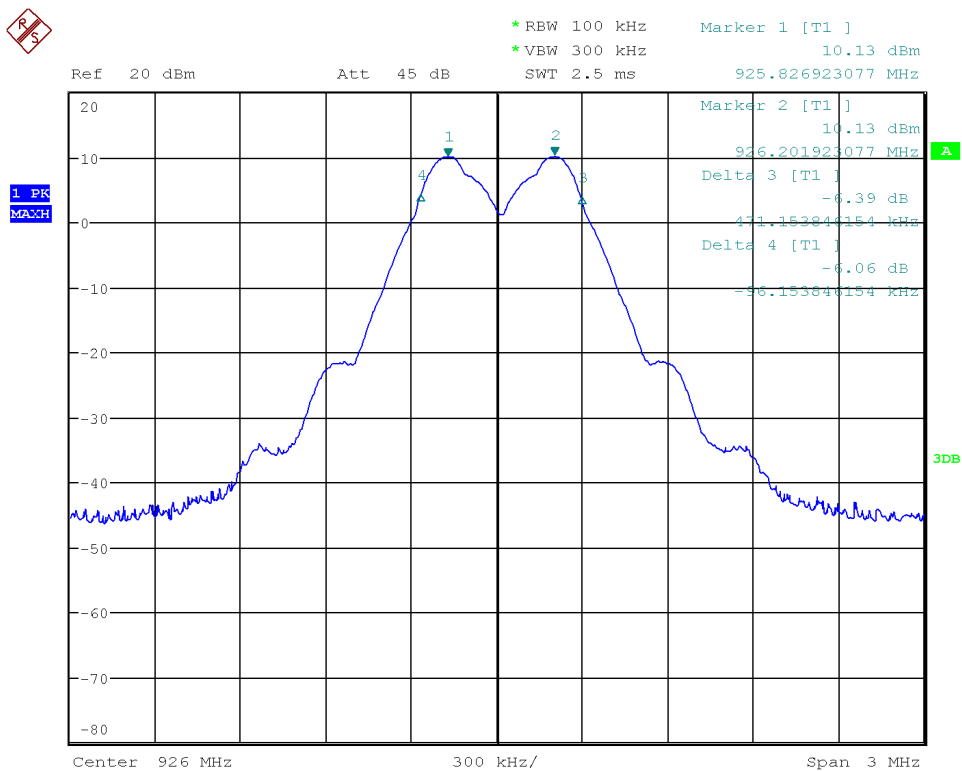


Comments

Operating frequency: 922 MHz

Test object	Smart Clima	Sheet	PROF-1
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty	1.5 dB
SA Settings	RBW: 100 kHz VBW: 300 kHz SPAN: 3 MHz DET: Peak CF: 926 MHz Trace: Max. hold		



Comments

Operating frequency: 926 MHz

Test object	Smart Clima	Sheet	PROF-3
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty:	1.1 dB
SA Settings	RBW: 100 kHz VBW: 300 kHz SPAN: 3 MHz DET: Peak CF: - Trace: Max. hold		

Operating frequency [MHz]	Low frequency [MHz]	High frequency [MHz]	6 dB bandwidth [kHz]	Limit [kHz]	Remarks
917	916.73	917.29	560	> 500	Passed
922	921.73	922.29	560	> 500	Passed
926	925.73	926.29	560	> 500	Passed

Band edge criteria	The minimum 6 dB bandwidth shall be ≥ 500 kHz
Test result	The measured 6 dB bandwidth was within the limit
Test port	Antenna replaced by SMA connector
Test frequency	917, 922 and 926 MHz
Test mode	Continuous Tx - normal modulation
Condition	Normal
Compliant	Yes
Comments	None

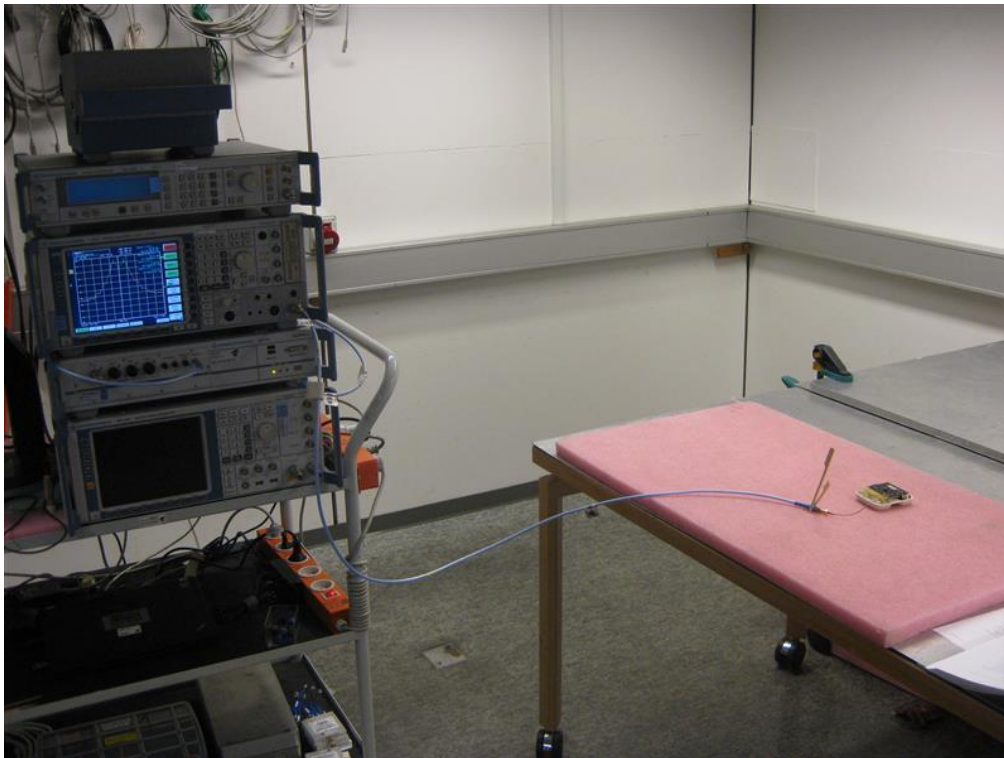


Photo 4.1.1 Test set-up regarding measurement of 6 dB bandwidth.

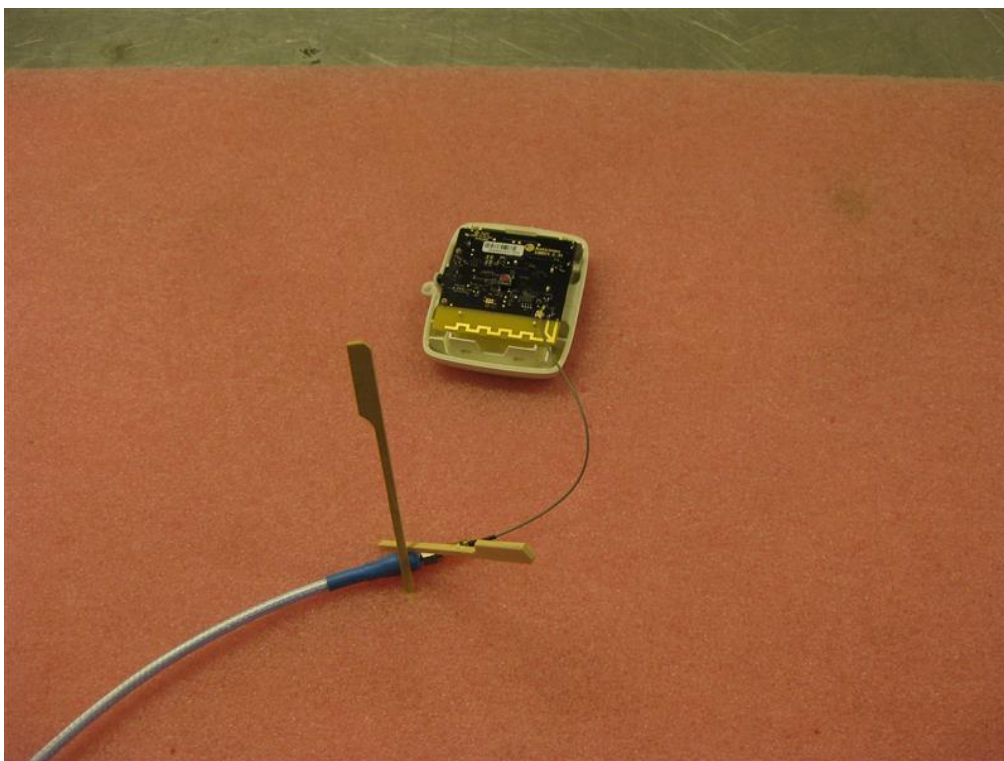
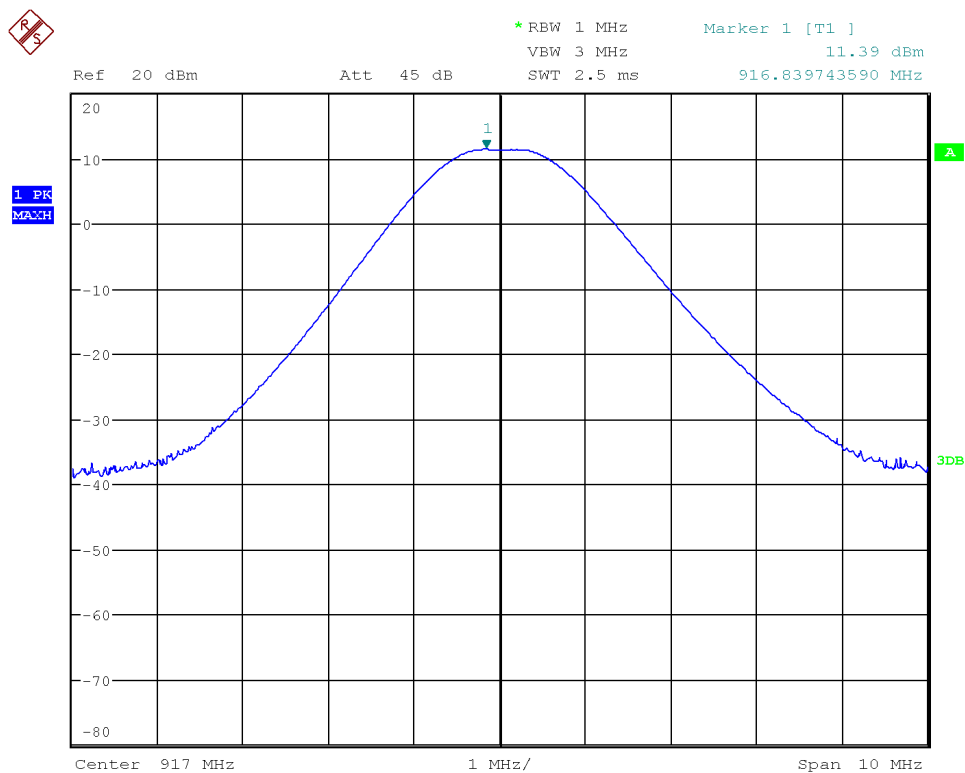


Photo 4.1.2 Test set-up regarding measurement of 6 dB bandwidth.

4.2 Measurement of maximum conducted output power

Test object	Smart Clima	Sheet	PROF-4
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty	1.5 dB
SA Settings	RBW: 1 MHz VBW: 3 MHz SPAN: 10 MHz DET: Peak CF: 917 MHz Trace: Max. Hold		

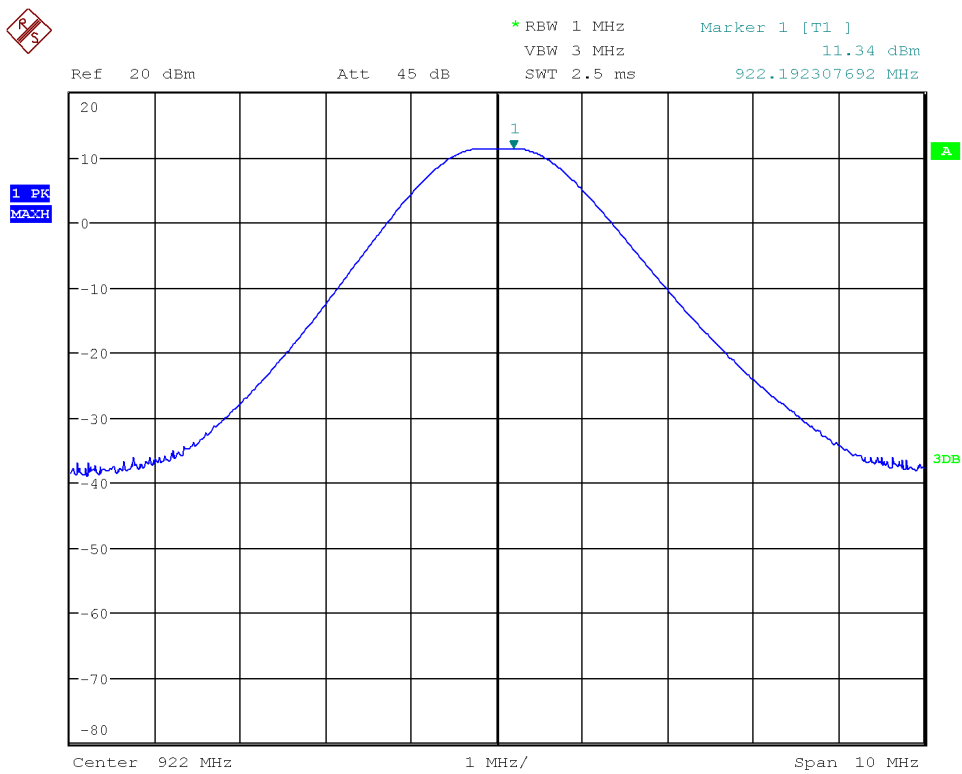


Comments

Operating frequency: 917 MHz

Test object	Smart Clima	Sheet	PROF-5
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty	1.5 dB
SA Settings	RBW: 1 MHz VBW: 3 MHz SPAN: 10 MHz DET: Peak CF: 922 MHz Trace: Max. Hold		

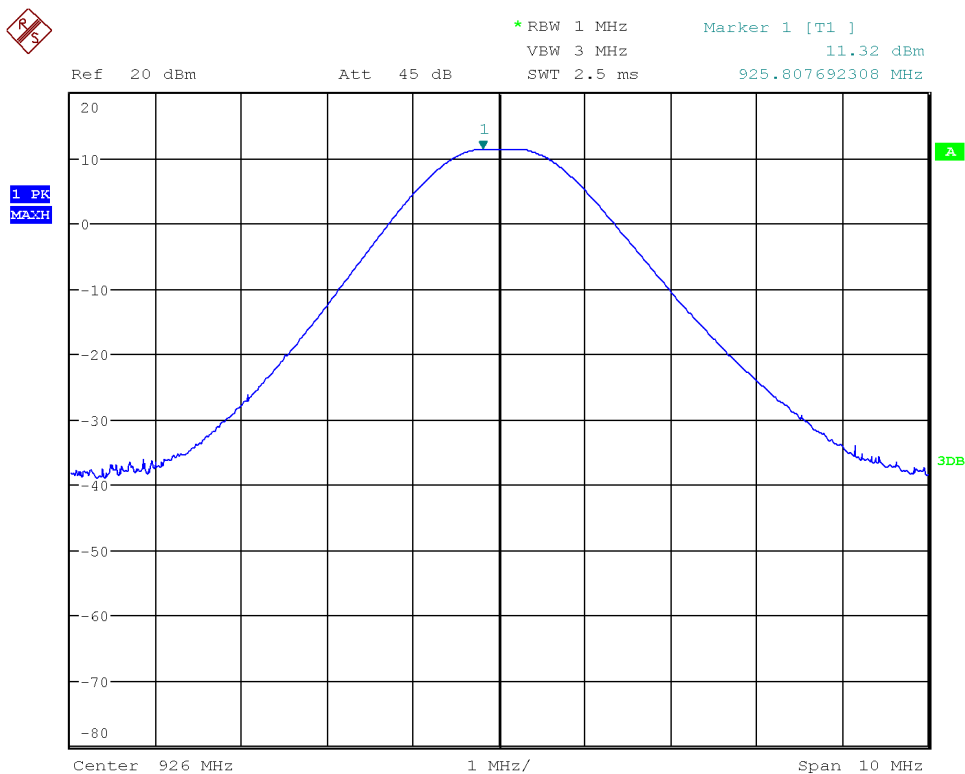


Comments

Operating frequency: 922 MHz

Test object	Smart Clima	Sheet	PROF-2
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty	1.5 dB
SA Settings	RBW: 1 MHz VBW: 3 MHz SPAN: 10 MHz DET: Peak CF: 926 MHz Trace: Max. Hold		



Comments

Operating frequency: 926 MHz

Test object	Smart Clima	Sheet	PROF-6
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty:	1.5 dB
SA Settings	RBW: 1 MHz VBW: 3 MHz SPAN: 10 MHz DET: Peak CF: Operating freq. Trace: Max. Hold		

Operating frequency [MHz]	Conducted peak measurement [dBm]	Limit [dBm]	Remarks
917	11.39	30	Passed
922	11.34	30	Passed
926	11.32	30	Passed

Note 1: -

Test result	The measured maximum conducted output power was within the limit
Test port	Antenna replaced by SMA connector
Test frequency	917, 922 and 926 MHz
Test mode	Continuous Tx - normal modulation
Condition	Normal
Compliant	Yes
Comments	Output power is not greater than 125 mW

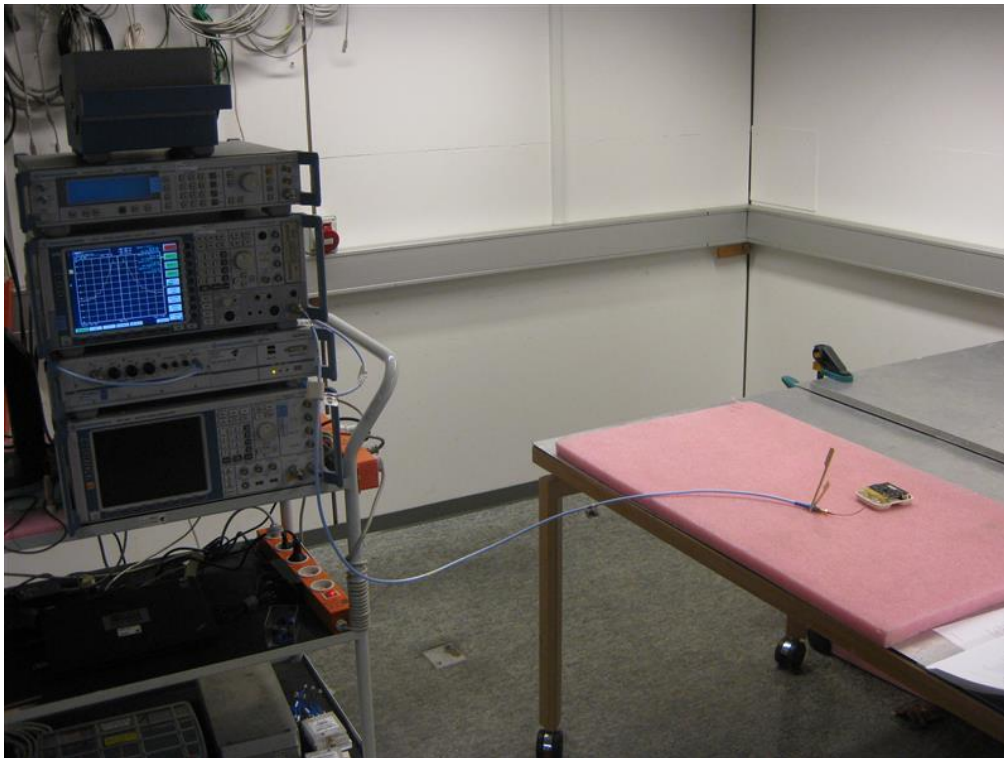


Photo 4.2.1 Test set-up regarding measurement of maximum conducted output power.

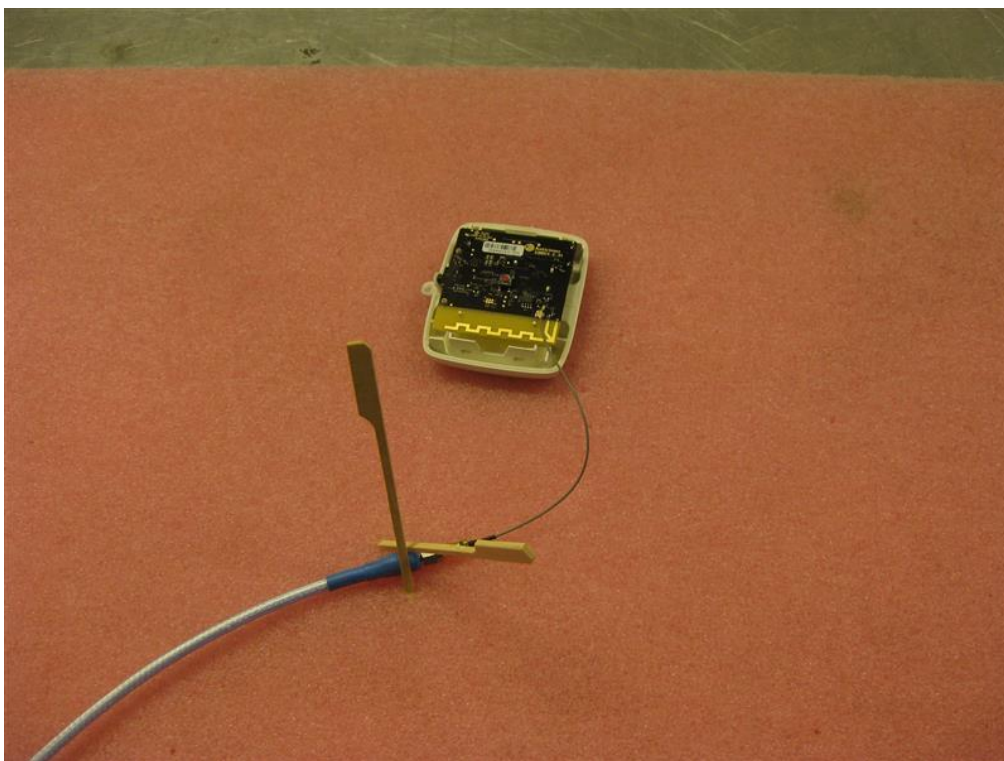
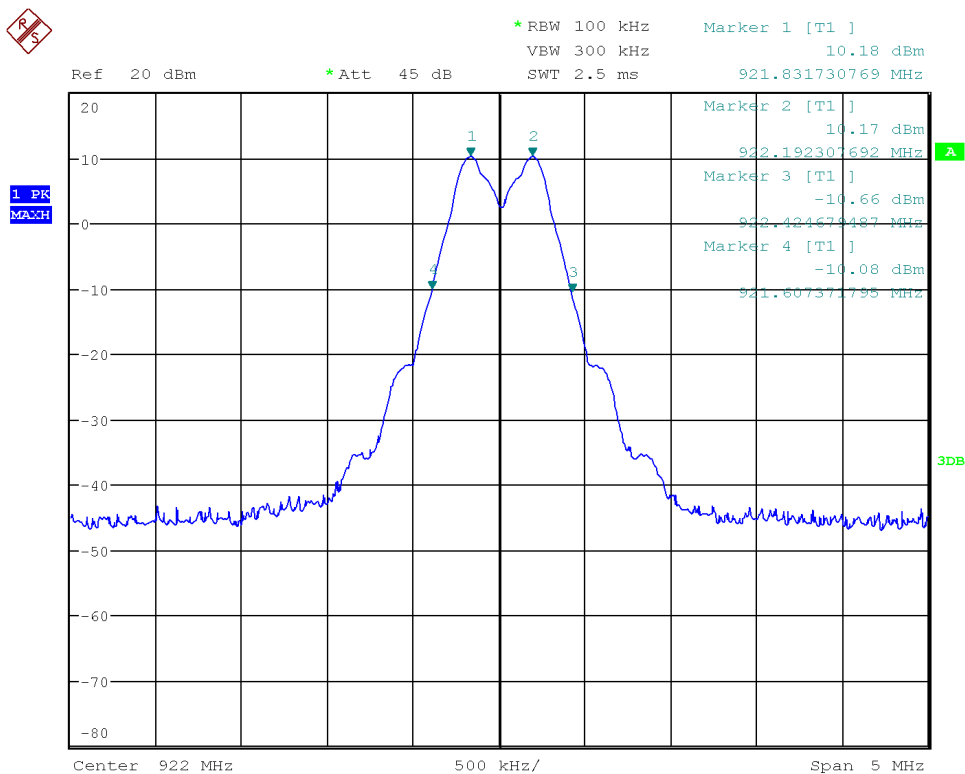


Photo 4.2.2 Test set-up regarding measurement of maximum conducted output power.

Test object	Smart Clima	Sheet	PROF-8
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty	1.6 dB
SA Settings	RBW: 100 kHz VBW: 300 kHz SPAN: 5 MHz DET: Peak CF: Operating freq. Trace: Max. hold		

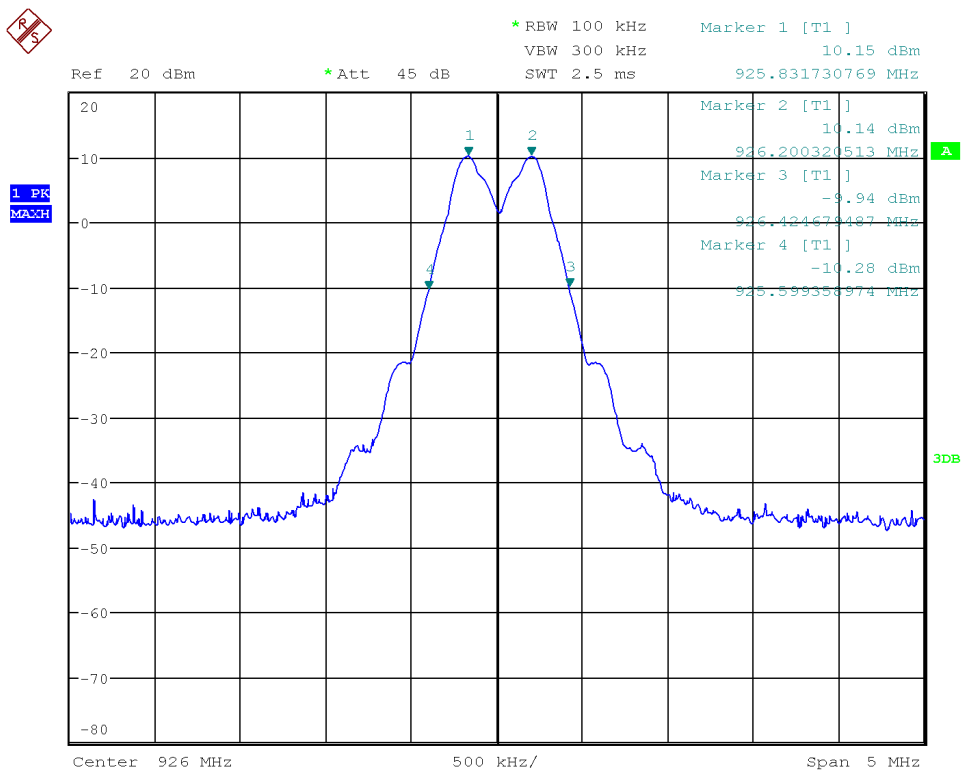


Comments

Operating frequency: 922 MHz

Test object	Smart Clima	Sheet	PROF-3
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty	1.6 dB
SA Settings	RBW: 100 kHz VBW: 300 kHz SPAN: 5 MHz DET: Peak CF: Operating freq. Trace: Max. hold		



Comments

Operating frequency: 926 MHz

Test object	Smart Clima	Sheet	PROF-9
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty:	1.6 dB
SA Settings	RBW: 100 kHz VBW: 300 kHz SPAN: 5 MHz DET: Peak CF: Operating freq. Trace: Max. hold		

Operating frequency [MHz]	Low frequency [MHz]	High frequency [MHz]	Remarks
917	916.61	917.42	-
922	921.61	922.42	-
926	925.60	926.42	-

Operating frequency [MHz]	Measured [MHz]	Limit [MHz]	Remarks
Lowest frequency	916.61	902	Passed
Highest frequency	926.42	928	Passed

Band edge criteria	20 dB bandwidth
Test result	The measured 20 dBc bandwidth were within the limit
Test port	Antenna replaced by SMA connector
Test frequency	917, 922 and 926 MHz
Test mode	Continuous Tx - normal modulation
Condition	Normal
Compliant	Yes
Comments	Test voltage: Internal power supply

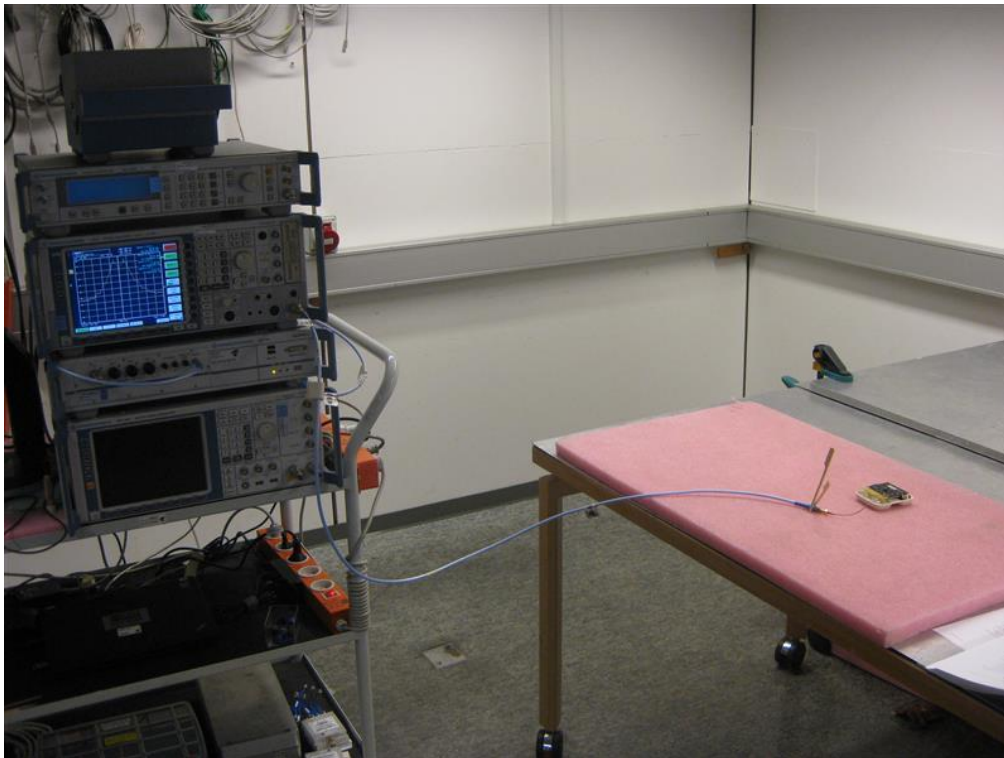


Photo 4.3.1 Test set-up regarding measurement of 20 dB bandwidth.

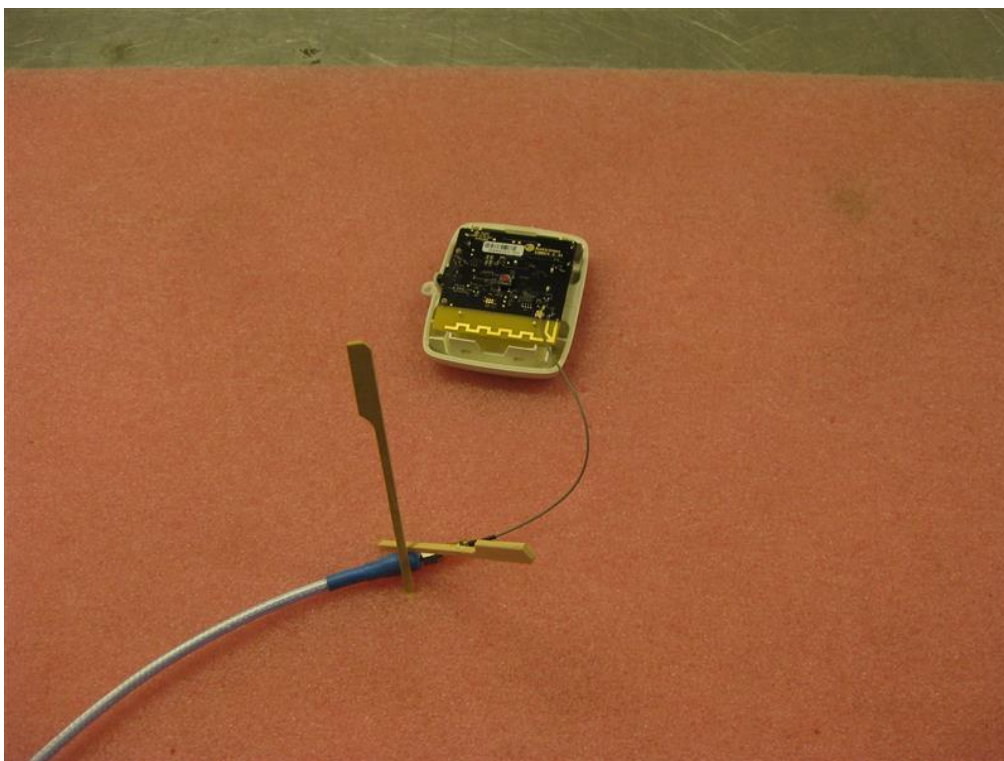
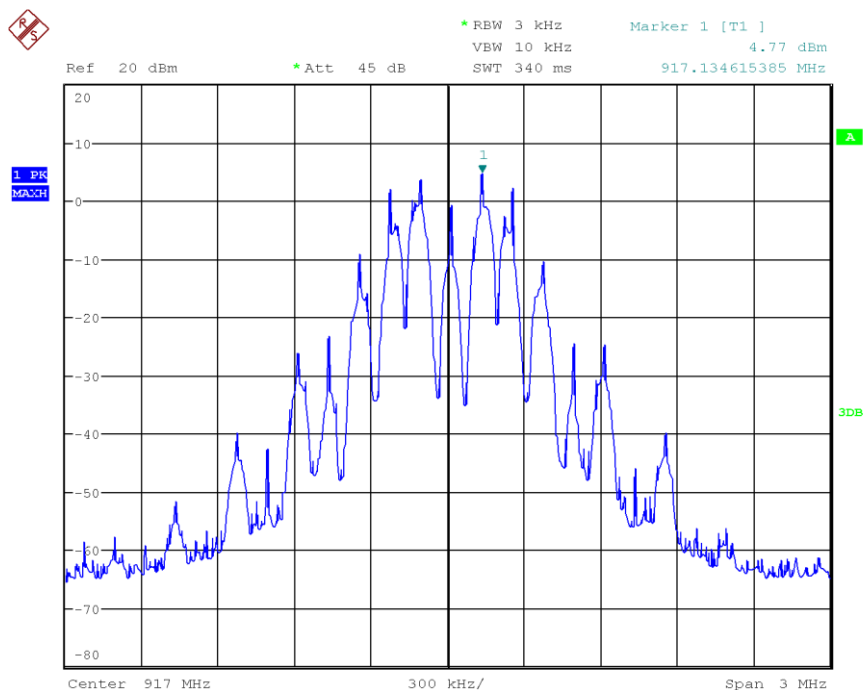


Photo 4.3.2 Test set-up regarding measurement of 20 dB bandwidth.

4.4 Measurement of power spectral density conducted

Test object	Smart Clima	Sheet	PROF-10
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty	1.5 dB
SA Settings	RBW: 3 kHz VBW: 10 kHz SPAN: 3 MHz DET: Peak CF: Operating freq. Trace: Max. hold		



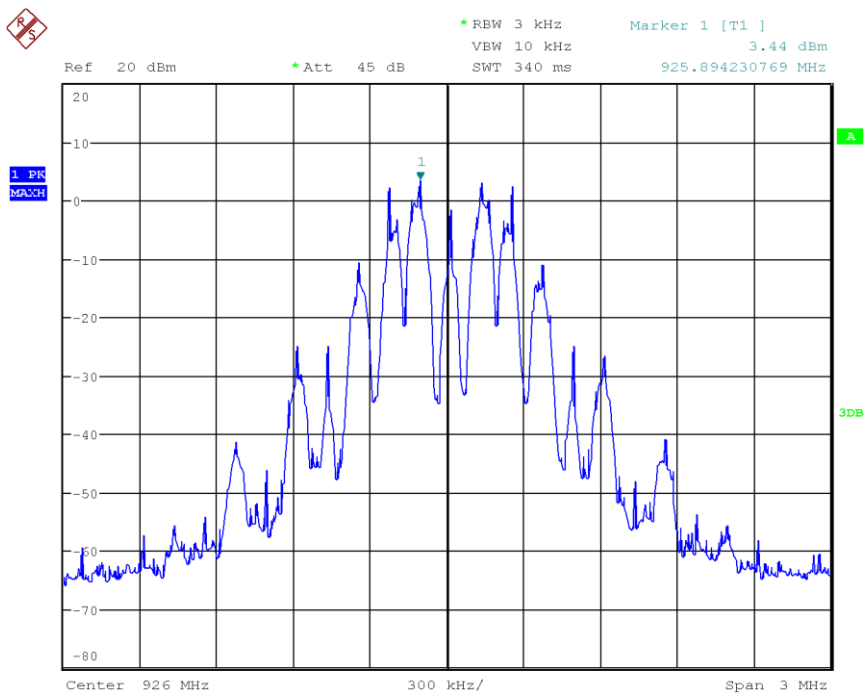
NN
 Date: 5.OCT.2020 02:44:20

Comments

Operating frequency: 917 MHz

Test object	Smart Clima	Sheet	PROF-4
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty	1.5 dB
SA Settings	RBW: 3 kHz VBW: 10 kHz SPAN: 3 MHz DET: Peak CF: Operating freq. Trace: Max. hold		



NN
 Date: 5.OCT.2020 02:53:30

Comments

Operating frequency: 926 MHz

Test object	Smart Clima	Sheet	PROF-12
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	05 Oct. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	48 % RH
Test equipm.	EMC room 4 Hørsholm 49550 49739	Uncertainty	1.5 dB
SA Settings	RBW: 100 kHz VBW: 300 kHz SPAN: 3 MHz DET: Peak CF: Operating freq. Trace: Max. hold		

Operating Frequency [MHz]	Measured Power [dBm]	Limit [dBm]	Remarks
917	4.77	8	Passed
922	4.18	8	Passed
926	3.44	8	Passed

Test result	The measured power spectral density was within the limit
Test Port	Antenna replaced by SMA connector
Test frequency	917, 922 and 926 MHz
Test mode	Continuous Tx - normal modulation
Condition	Normal
Compliant	Yes
Comments	None

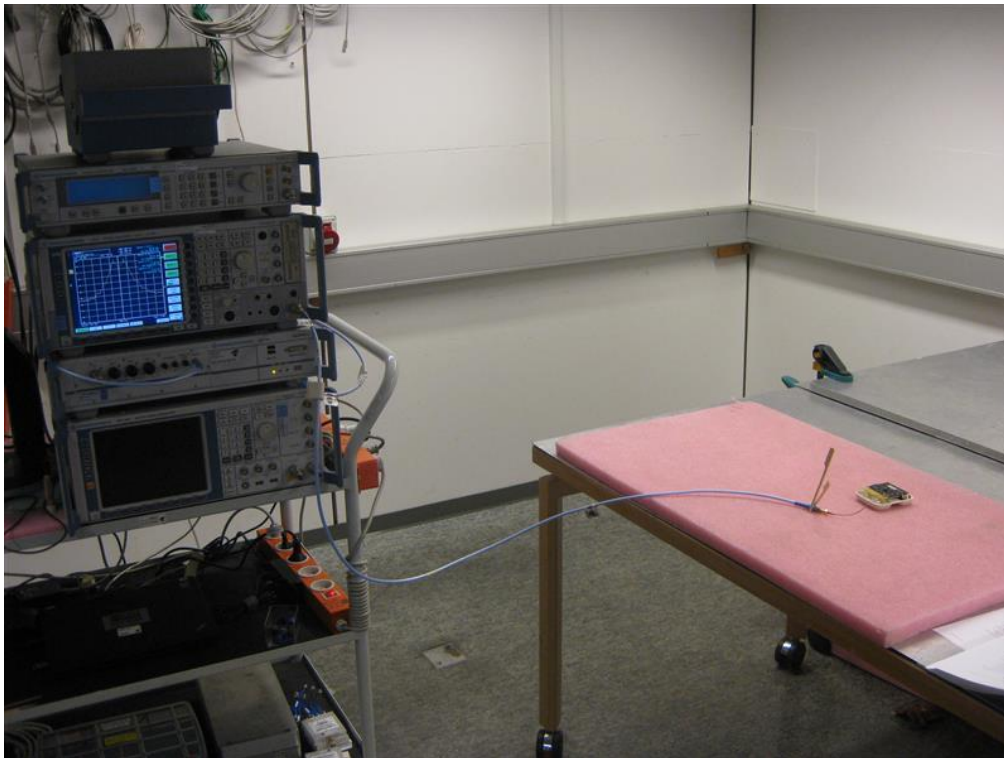


Photo 4.4.1 Test set-up regarding measurement of power spectral density conducted.

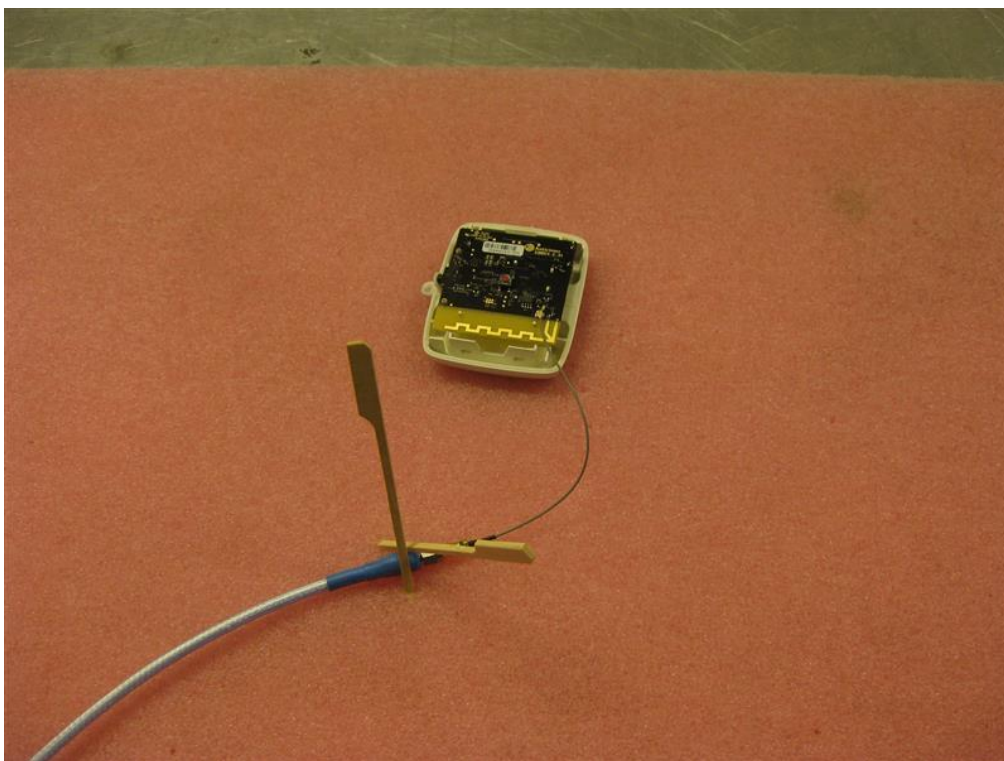


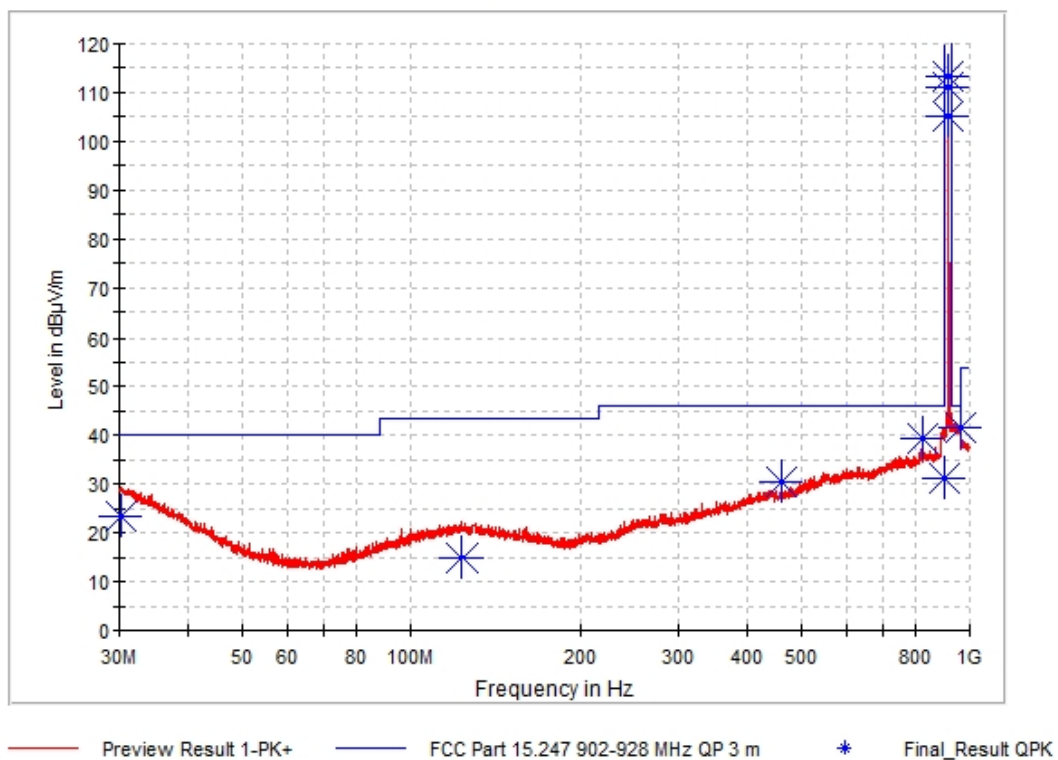
Photo 4.4.2 Test set-up regarding measurement of power spectral density conducted.

4.5 Measurement of radiated emission (below 1 GHz) Tx 917 MHz

Test object	Smart Clima	Sheet	RE_Spur-1
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	13 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	30-1000 MHz

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m	Humidity	65 % RH
Detector	Peak and quasi peak	Bandwidth	120 kHz
Test equipm.	EMI room Hørsholm 49900 29797 49704 49590 49817 49808 49674 29953 49999	Uncertainty	6.3 dB

Full Spectrum



Comments

Continuous Tx - normal modulation

Test object	Smart Clima	Sheet	RE_Spur-2
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	13 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	30-1000 MHz

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m	Humidity	65 % RH
Detector	Quasi peak	Bandwidth	120 kHz
Test equipm.	EMI room Hørsholm 49900 29797 49704 49590 49817 49808 49674 29953 49999	Uncertainty	6.3 dB

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.12	23.26	40.0	16.7	15000	100.0	H	289	26.6
123.39	14.89	43.5	28.6	15000	257.0	V	6	20.7
458.52	30.52	46.0	15.5	15000	168.0	H	312	26.6
820.83	39.21	46.0	6.8	15000	104.0	H	23	33.4
902.00	31.34	46.0	14.7	15000	100.0	H	-33	34.1
916.83	111.00	IN BAND	IN BAND	15000	110.0	H	182	34.7
917.01	105.18	IN BAND	IN BAND	15000	121.0	H	182	34.7
917.19	113.30	IN BAND	IN BAND	15000	124.0	H	176	34.7
965.19	41.76	53.9	12.1	15000	111.0	H	170	35.3

Test result	The measured field strengths are below the limit
Test Port	Enclosure
Test frequency	917 MHz
Test mode	Continuous Tx - normal modulation
Condition	Normal
Compliant	Yes
Comments	Final maximal measurements by variation of turntable azimuth, antenna height, and antenna polarisation. Table-top height at 0.8 m. Test voltage: Internal power supply



Photo 4.5.1 Test set-up regarding measurement of radiated emission (below 1 GHz).

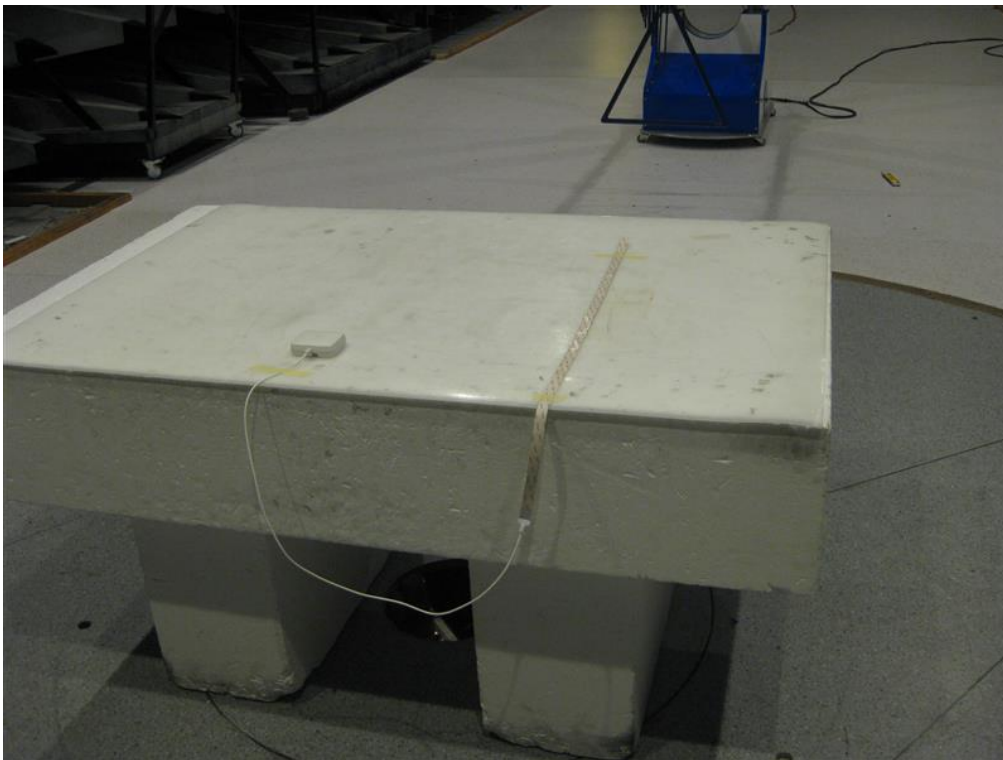


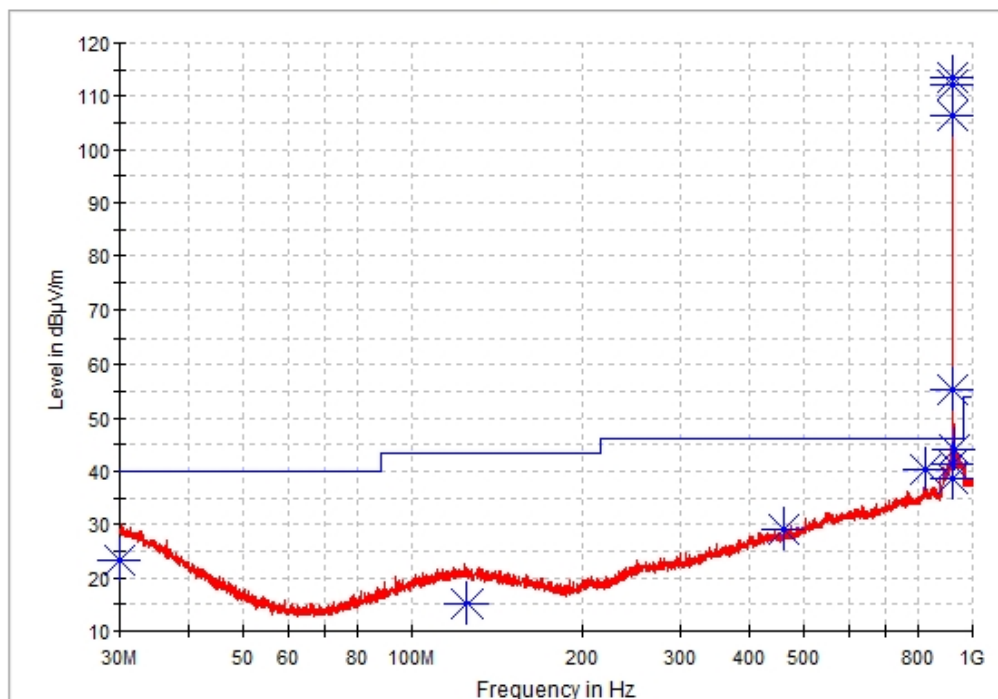
Photo 4.5.2 Test set-up regarding measurement of radiated emission (below 1 GHz).

4.6 Measurement of radiated emission (below 1 GHz) Tx 922 MHz

Test object	Smart Clima	Sheet	RE_Spur-3
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	13 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	30-1000 MHz

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m	Humidity	65 % RH
Detector	Peak and quasi peak	Bandwidth	120 kHz
Test equipm.	EMI room Hørsholm 49900 29797 49704 49590 49817 49808 49674 29953 49999	Uncertainty	6.3 dB

Full Spectrum



— Preview Result 1-PK+ — FCC Part 15C QP 3 m * Final_Result QPK

Comments

Continuous Tx - normal modulation

Test object	Smart Clima	Sheet	RE_Spur-4
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	13 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	30-1000 MHz

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m	Humidity	65 % RH
Detector	Quasi peak	Bandwidth	120 kHz
Test equipm.	EMI room Hørsholm 49900 29797 49704 49590 49817 49808 49674 29953 49999	Uncertainty	6.3 dB

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.00	23.35	40.0	16.7	15000	155.0	H	72	26.7
125.01	14.98	43.5	28.5	15000	311.0	V	185	20.7
461.01	29.16	46.0	16.8	15000	169.0	H	93	26.8
825.84	40.35	46.0	5.7	15000	104.0	H	23	33.6
919.00	38.69	46.0	7.3	15000	111.0	H	175	34.8
920.00	41.29	46.0	4.7	15000	108.0	H	177	34.9
921.84	112.09	IN BAND	IN BAND	15000	112.0	H	182	34.9
922.00	106.28	IN BAND	IN BAND	15000	121.0	H	182	35.0
922.20	113.36	IN BAND	IN BAND	15000	121.0	H	182	35.0
923.00	55.43	IN BAND	IN BAND	15000	112.0	H	173	35.0
924.00	38.52	46.0	7.5	15000	103.0	H	2	35.0
925.00	44.13	46.0	1.9	15000	113.0	H	176	35.0

Test result	The measured field strengths are below the limit
Test Port	Enclosure
Test frequency	922 MHz
Test mode	Continuous Tx - normal modulation
Condition	Normal
Compliant	Yes
Comments	Final maximal measurements by variation of turntable azimuth, antenna height, and antenna polarisation. Table-top height at 0.8 m. Test voltage: Internal power supply



Photo 4.6.1 Test set-up regarding measurement of radiated emission (below 1 GHz).



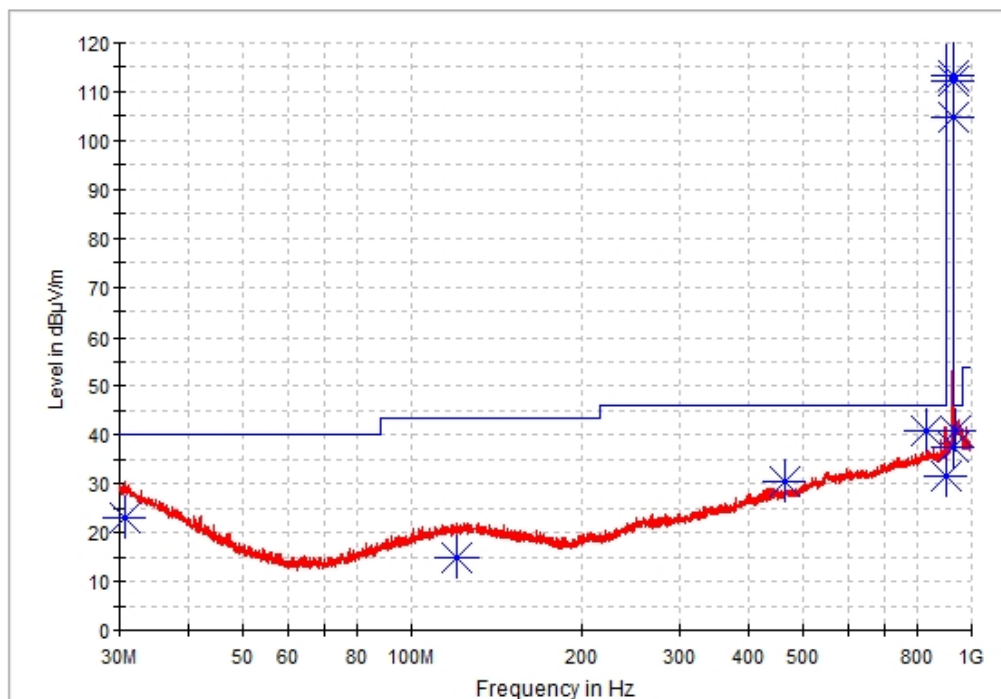
Photo 4.6.2 Test set-up regarding measurement of radiated emission (below 1 GHz).

4.7 Measurement of radiated emission (below 1 GHz) Tx 926 MHz

Test object	Smart Clima	Sheet	RE_Spur-5
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	13 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	30-1000 MHz

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m	Humidity	65 % RH
Detector	Peak and quasi peak	Bandwidth	120 kHz
Test equipm.	EMI room Hørsholm 49900 29797 49704 49590 49817 49808 49674 29953 49999	Uncertainty	6.3 dB

Full Spectrum



— Preview Result 1-PK+ — FCC Part 15.247 902-928 MHz QP 3 m * Final_Result QPK

Comments

Continuous Tx - normal modulation

Test object	Smart Clima	Sheet	RE_Spur-6
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	13 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	30-1000 MHz

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m	Humidity	65 % RH
Detector	Quasi peak	Bandwidth	120 kHz
Test equipm.	EMI room Hørsholm 49900 29797 49704 49590 49817 49808 49674 29953 49999	Uncertainty	6.3 dB

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.75	23.13	40.0	16.9	15000	395.0	H	108	26.2
120.42	14.69	43.5	28.8	15000	380.0	V	51	20.6
462.90	30.46	46.0	15.5	15000	163.0	H	214	26.8
830.19	41.01	46.0	5.0	15000	100.0	H	23	33.7
897.42	31.58	46.0	14.4	15000	122.0	H	176	34.0
925.83	112.04	IN BAND	IN BAND	15000	111.0	H	180	35.1
926.01	104.61	IN BAND	IN BAND	15000	120.0	H	182	35.1
926.19	113.48	IN BAND	IN BAND	15000	120.0	H	182	35.1
928.00	37.71	46.0	8.3	15000	100.0	H	175	35.1
933.63	40.69	46.0	5.3	15000	110.0	H	182	35.2

Test result	The measured field strengths are below the limit
Test Port	Enclosure
Test frequency	926 MHz
Test mode	Continuous Tx - normal modulation
Condition	Normal
Compliant	Yes
Comments	Final maximal measurements by variation of turntable azimuth, antenna height, and antenna polarisation. Table-top height at 0.8 m. Test voltage: Internal power supply



Photo 4.7.1 Test set-up regarding measurement of radiated emission (below 1 GHz).

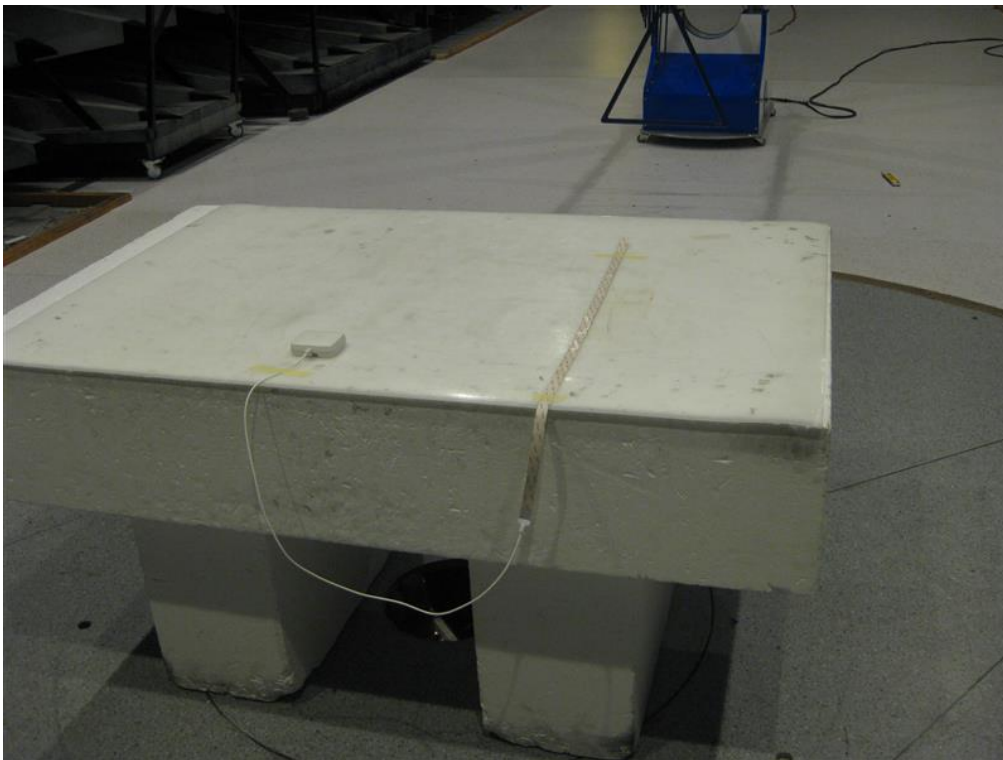


Photo 4.7.2 Test set-up regarding measurement of radiated emission (below 1 GHz).

Test object	Smart Clima	Sheet	RE_Spur-8
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	13 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	30-1000 MHz

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m	Humidity	65 % RH
Detector	Quasi peak	Bandwidth	120 kHz
Test equipm.	EMI room Hørsholm 49900 29797 49704 49590 49817 49808 49674 29953 49999	Uncertainty	6.3 dB

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.00	23.39	40.0	16.6	15000	295.0	H	182	26.7
119.67	14.79	43.5	28.7	15000	357.0	V	306	20.6
350.10	18.06	46.0	27.9	15000	203.0	V	50	23.7
952.02	31.24	46.0	14.8	15000	291.0	V	246	35.7

Test result	The measured field strengths are below the limit
Test Port	Enclosure
Test frequency	921 MHz
Test mode	Continuous Rx and Tx standby - normal modulation
Condition	Normal
Compliant	Yes
Comments	Final maximal measurements by variation of turntable azimuth, antenna height, and antenna polarisation. Table-top height at 0.8 m. Test voltage: Internal power supply

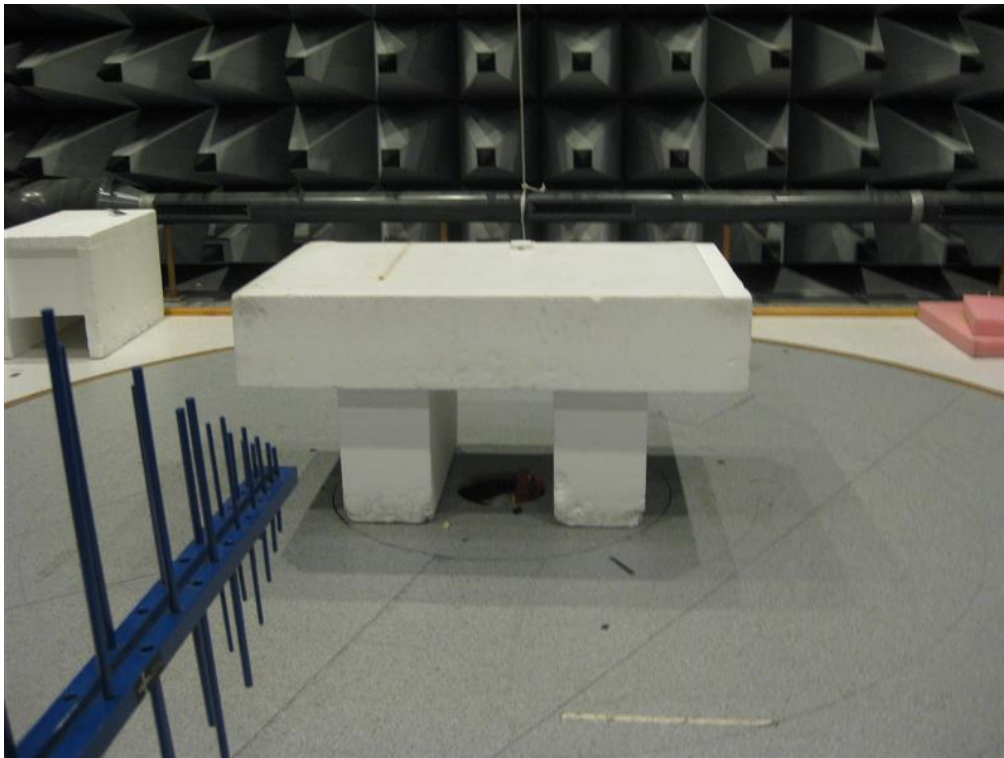


Photo 4.8.1 Test set-up regarding measurement of radiated emission (below 1 GHz).



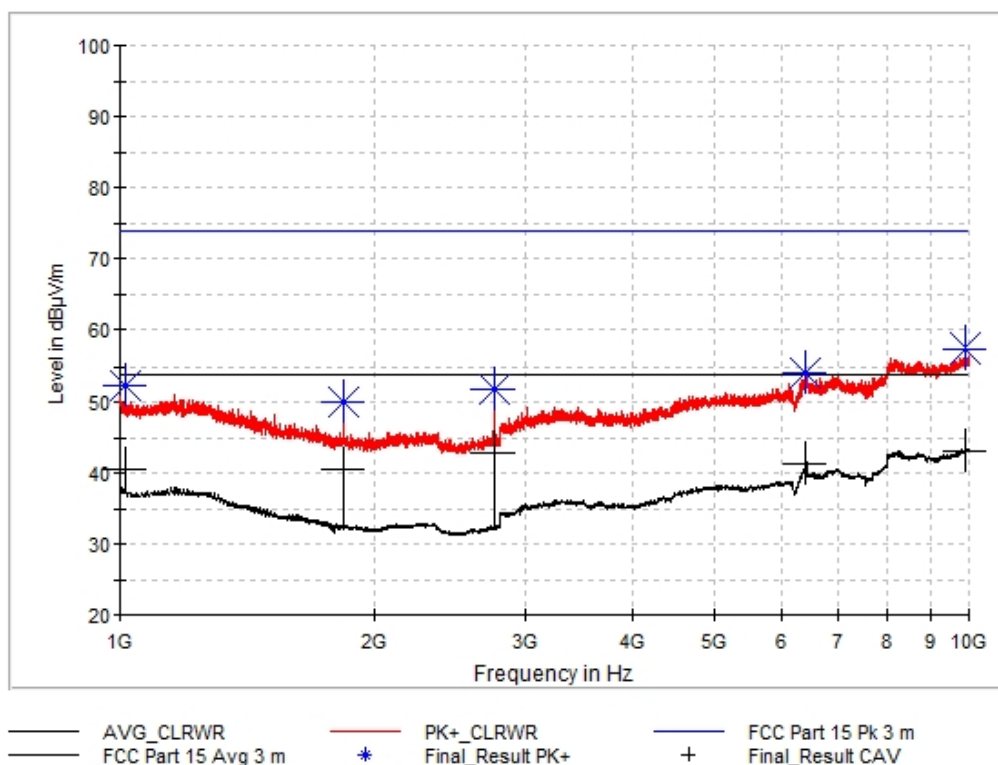
Photo 4.8.2 Test set-up regarding measurement of radiated emission (below 1 GHz).

4.9 Measurement of radiated emission (above 1 GHz) Tx 917 MHz

Test object	Smart Clima	Sheet	RE_Spur-9
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	13 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	1-10 GHz

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m.	Humidity	65 % RH
Detector	Peak and CISPR average	Bandwidth	1 MHz
Test equipm.	EMI room Hørsholm 49900 49624 49625 49869 49870 49674 29953 49999	Uncertainty	4.9 dB

Full Spectrum



Comments

Continuous Tx - normal modulation

Test object	Smart Clima	Sheet	RE_Spur-10
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	13 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	1-10 GHz

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m	Humidity	65 % RH
Detector	Peak and CISPR average	Bandwidth	1 MHz
Test equipm.	EMI room Hørsholm 49900 49624 49625 49869 49870 49674 29953 49999	Uncertainty	4.9 dB

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azi-muth (deg)	Corr. (dB/m)
1013.00	52.33	---	73.9	21.6	15000	177.0	H	237	-24.3
1013.00	---	40.46	53.9	13.4	15000	140.0	H	214	-24.3
1833.75	50.12	---	73.9	23.8	15000	150.0	H	218	-28.6
1834.00	---	40.45	53.9	13.4	15000	184.0	H	209	-28.6
2750.50	51.78	---	73.9	22.1	15000	103.0	H	199	-27.6
2751.50	---	42.93	53.9	11.0	15000	100.0	H	184	-27.6
6417.75	---	41.25	53.9	12.7	15000	143.0	V	188	-15.8
6420.25	54.00	---	73.9	19.9	15000	132.0	V	327	-15.8
9892.00	57.52	---	73.9	16.4	15000	290.0	V	35	-4.2
9907.25	---	43.14	53.9	10.8	15000	252.0	H	279	-4.1

Test result	The measured field strengths are below the limit
Test Port	Enclosure
Test frequency	917 MHz
Test mode	Continuous Tx - normal modulation
Condition	Normal
Compliant	Yes
Comments	Final maximal measurements by variation of turntable azimuth, antenna height, and antenna polarisation. Table-top height at 1.5 m. Test voltage: Internal power supply

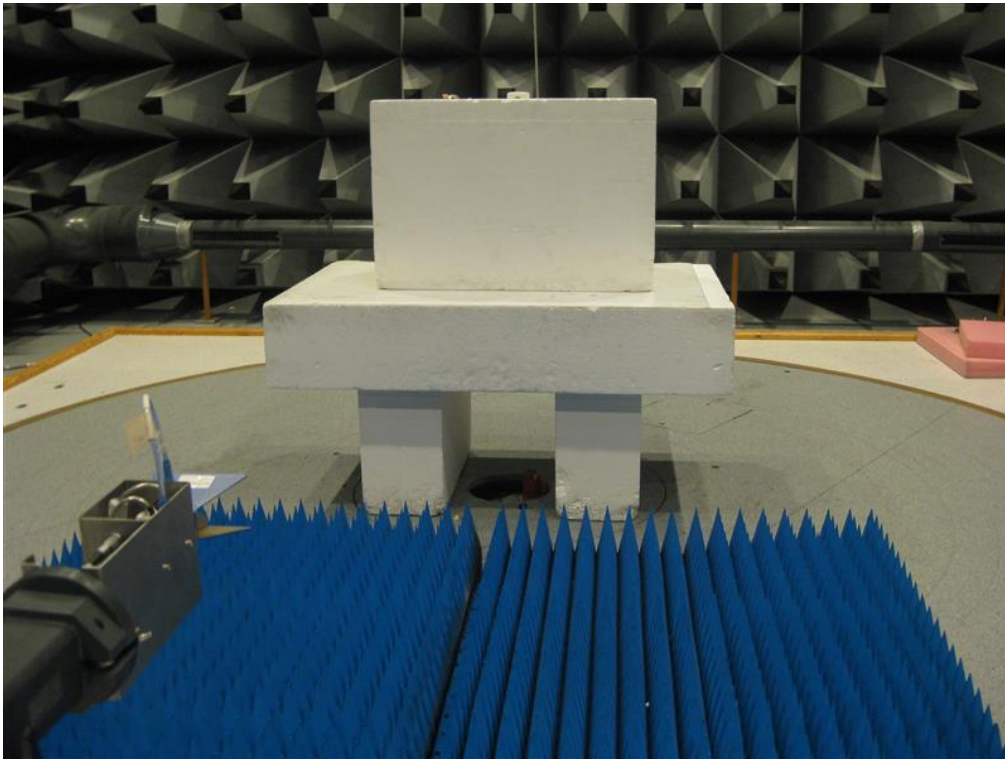


Photo 4.9.1 Test set-up regarding measurement of radiated emission (above 1 GHz).

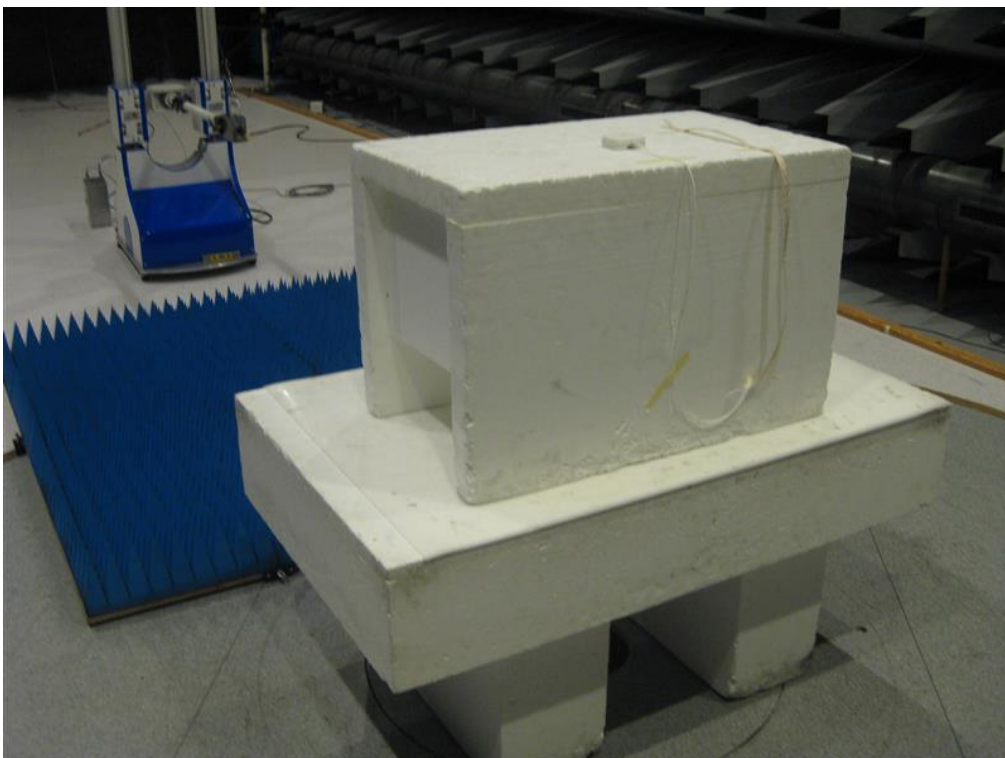


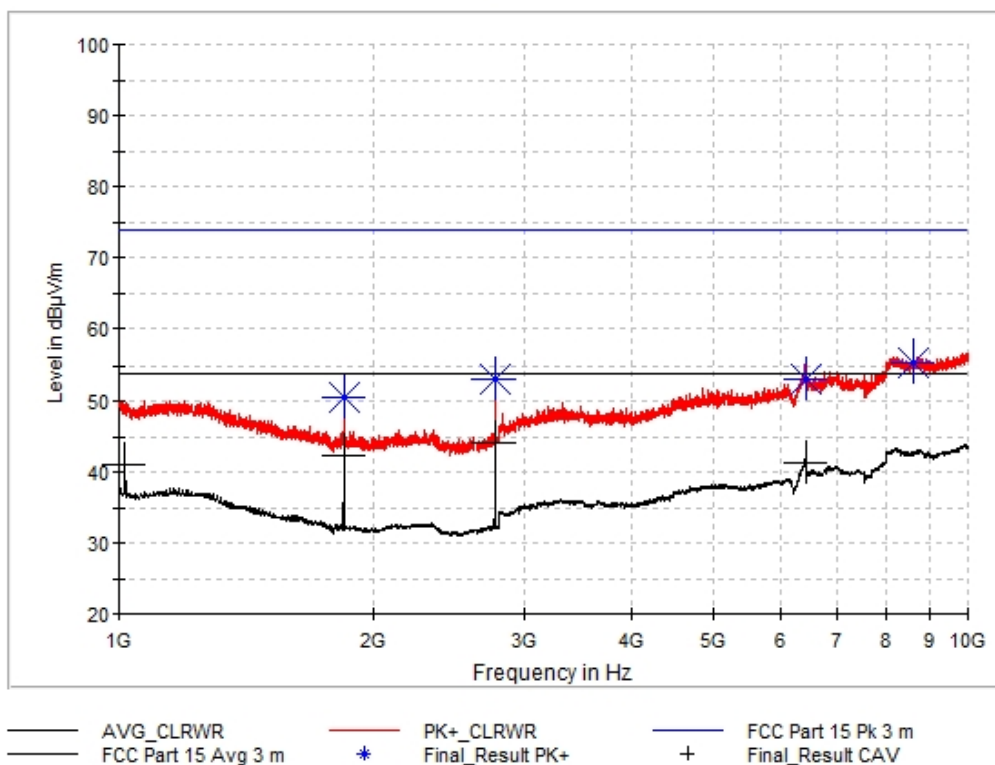
Photo 4.9.2 Test set-up regarding measurement of radiated emission (above 1 GHz).

4.10 Measurement of radiated emission (above 1 GHz) Tx 922 MHz

Test object	Smart Clima	Sheet	RE_Spur-11
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	14 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	1-10 GHz

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m.	Humidity	58 % RH
Detector	Peak and CISPR average	Bandwidth	1 MHz
Test equipm.	EMI room Hørsholm 49900 49624 49625 49869 49870 49674 29953 49999	Uncertainty	4.9 dB

Full Spectrum



Comments

Continuous Tx - normal modulation

Test object	Smart Clima	Sheet	RE_Spur-12
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	14 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	1-10 GHz

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m	Humidity	58 % RH
Detector	Peak and CISPR average	Bandwidth	1 MHz
Test equipm.	EMI room Hørsholm 49900 49624 49625 49869 49870 49674 29953 49999	Uncertainty	4.9 dB

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azi-muth (deg)	Corr. (dB/m)
1017.00	---	40.96	53.9	12.9	15000	146.0	H	219	-24.4
1841.75	50.59	---	73.9	23.3	15000	145.0	H	219	-28.7
1842.00	---	42.24	53.9	11.7	15000	143.0	H	214	-28.7
2762.50	---	44.00	53.9	9.9	15000	118.0	H	188	-27.5
2763.50	52.96	---	73.9	20.9	15000	135.0	H	196	-27.5
6434.75	52.98	---	73.9	20.9	15000	300.0	H	121	-15.8
6448.25	---	41.30	53.9	12.6	15000	146.0	V	188	-15.9
8610.50	55.34	---	73.9	18.6	15000	162.0	V	245	-8.5

Test result	The measured field strengths are below the limit
Test Port	Enclosure
Test frequency	922 MHz
Test mode	Continuous Tx - normal modulation
Condition	Normal
Compliant	Yes
Comments	Final maximal measurements by variation of turntable azimuth, antenna height, and antenna polarisation. Table-top height at 1.5 m. Test voltage: Internal power supply

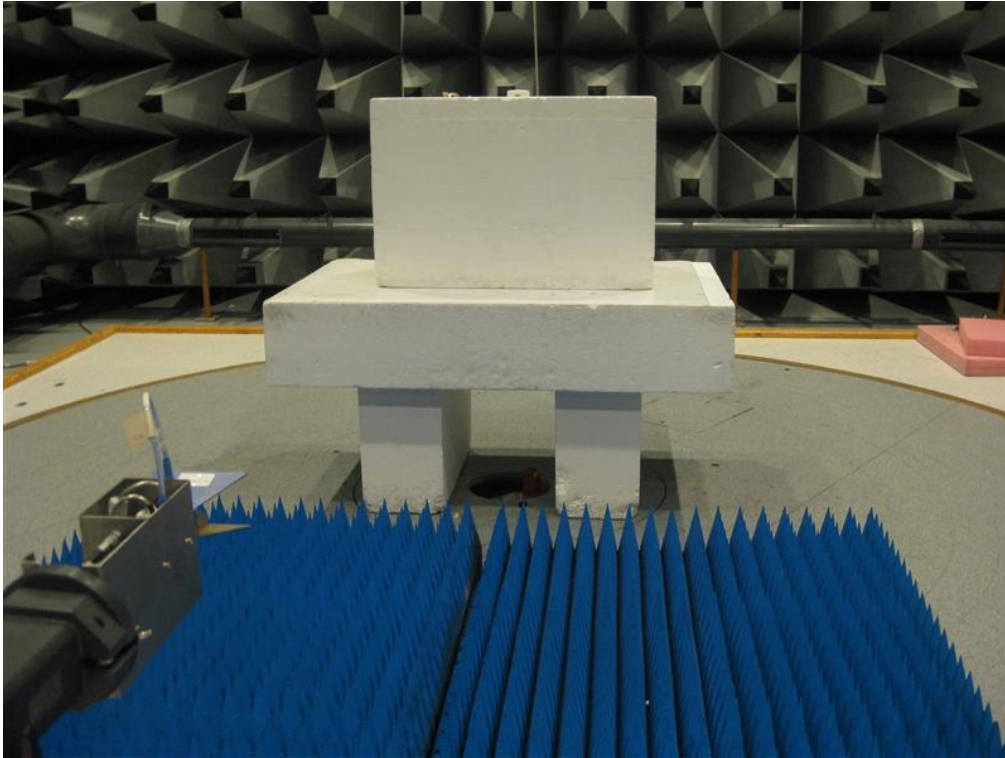


Photo 4.10.1 Test set-up regarding measurement of radiated emission (above 1 GHz).

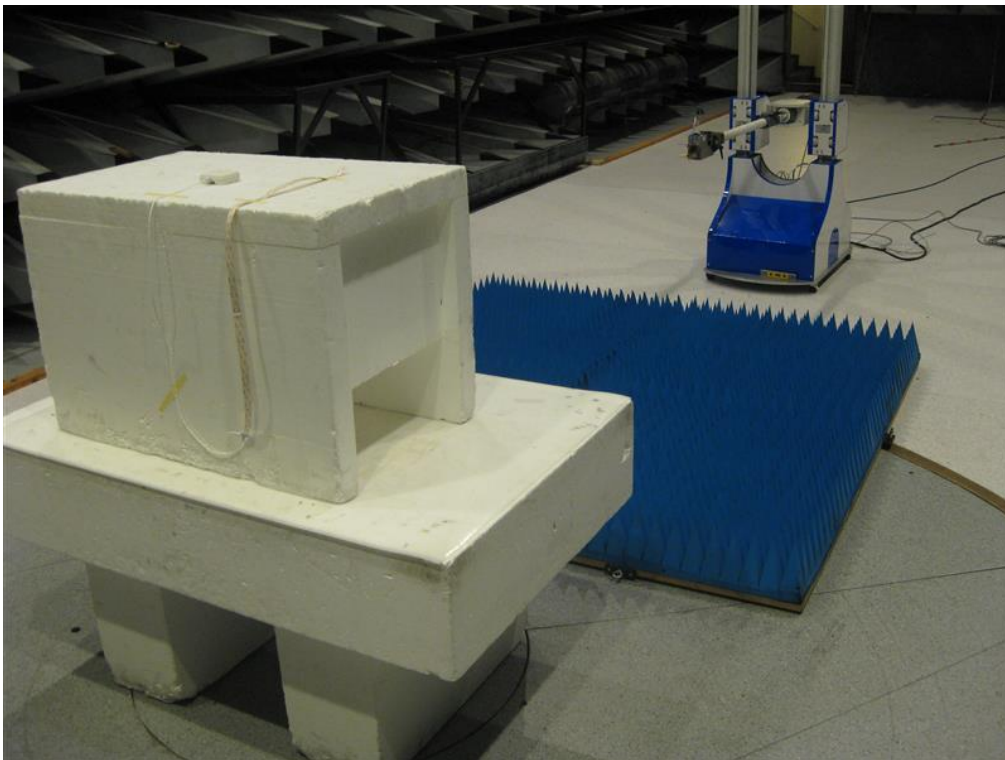


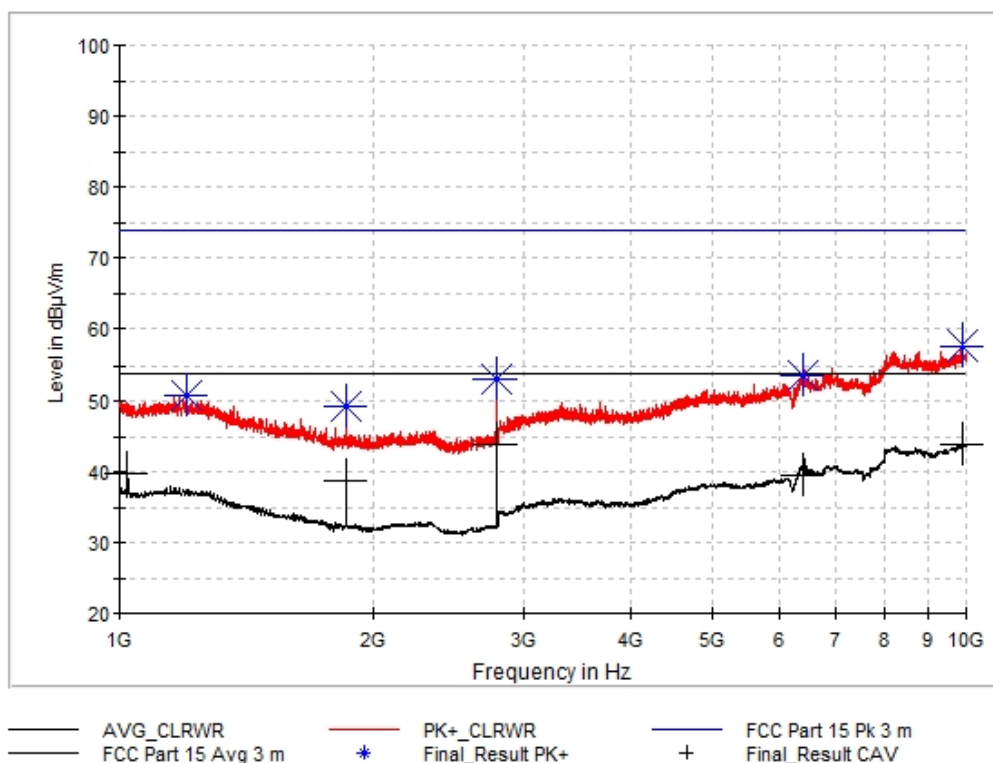
Photo 4.10.2 Test set-up regarding measurement of radiated emission (above 1 GHz).

4.11 Measurement of radiated emission (above 1 GHz) Tx 926 MHz

Test object	Smart Clima	Sheet	RE_Spur-13
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	14 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	1-10 GHz

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m.	Humidity	58 % RH
Detector	Peak and CISPR average	Bandwidth	1 MHz
Test equipm.	EMI room Hørsholm 49900 49624 49625 49869 49870 49674 29953 49999	Uncertainty	4.9 dB

Full Spectrum



Comments

Continuous Tx - normal modulation

Test object	Smart Clima	Sheet	RE_Spur-14
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	14 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	1-10 GHz

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m	Humidity	58 % RH
Detector	Peak and CISPR average	Bandwidth	1 MHz
Test equipm.	EMI room Hørsholm 49900 49624 49625 49869 49870 49674 29953 49999	Uncertainty	4.9 dB

Frequency (MHz)	MaxPeak (dB μ V/m)	CAverage (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azi-muth (deg)	Corr. (dB/m)
1022.00	---	39.74	53.9	14.2	15000	143.0	H	215	-24.4
1200.00	50.76	---	73.9	23.1	15000	236.0	H	193	-24.0
1851.75	49.28	---	73.9	24.6	15000	100.0	H	152	-28.7
1852.00	---	38.82	53.9	15.1	15000	140.0	H	140	-28.7
2777.50	53.08	---	73.9	20.8	15000	166.0	H	193	-27.4
2778.50	---	43.80	53.9	10.1	15000	105.0	H	183	-27.4
6419.50	---	39.40	53.9	14.5	15000	285.0	H	282	-15.8
6423.00	53.51	---	73.9	20.4	15000	300.0	H	264	-15.8
9908.25	---	43.79	53.9	10.1	15000	186.0	V	12	-4.1
9918.75	57.67	---	73.9	16.2	15000	142.0	V	285	-4.0

Test result	The measured field strengths are below the limit
Test Port	Enclosure
Test frequency	926 MHz
Test mode	Continuous Tx - normal modulation
Condition	Normal
Compliant	Yes
Comments	Final maximal measurements by variation of turntable azimuth, antenna height, and antenna polarisation. Table-top height at 1.5 m. Test voltage: Internal power supply

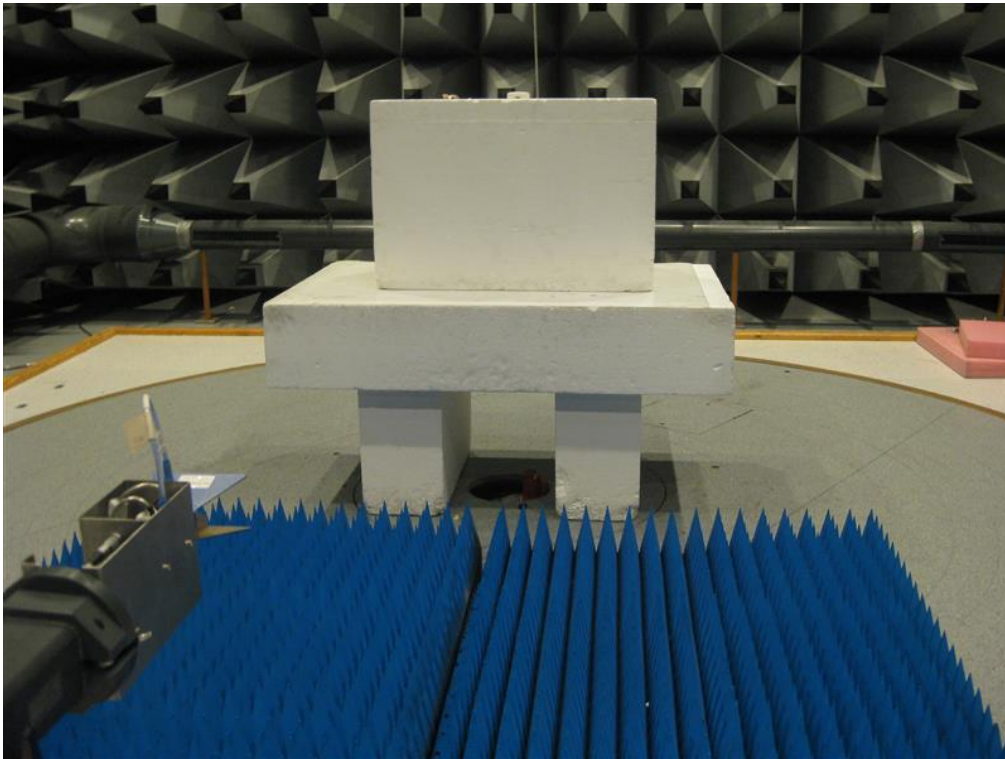


Photo 4.11.1 Test set-up regarding measurement of radiated emission (above 1 GHz).

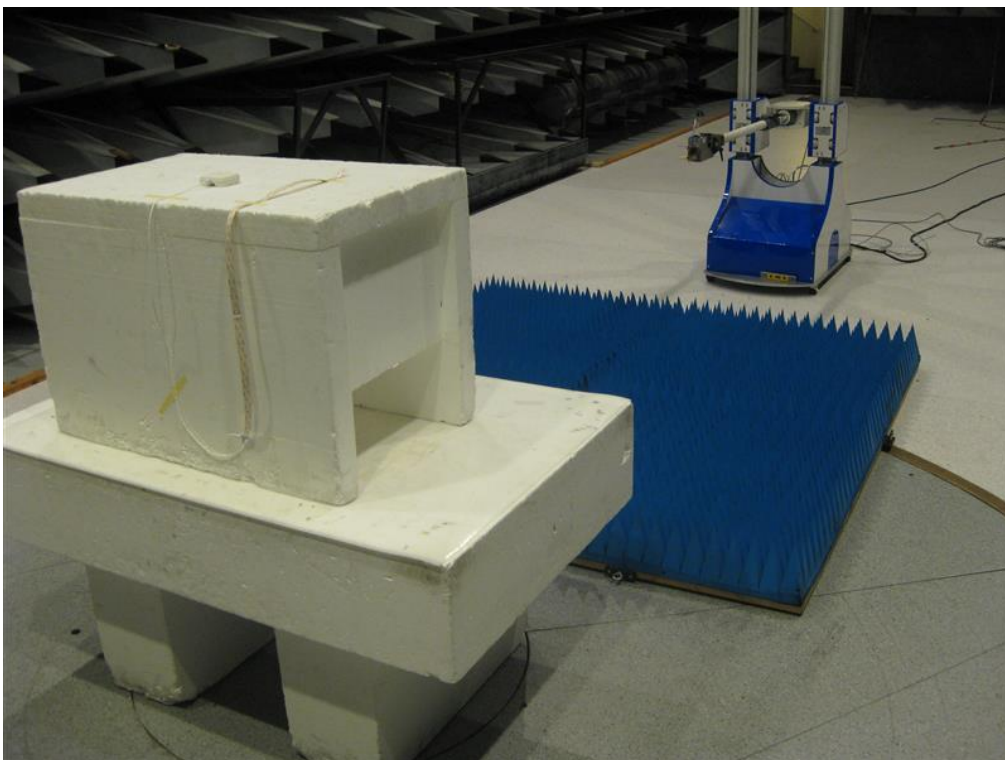


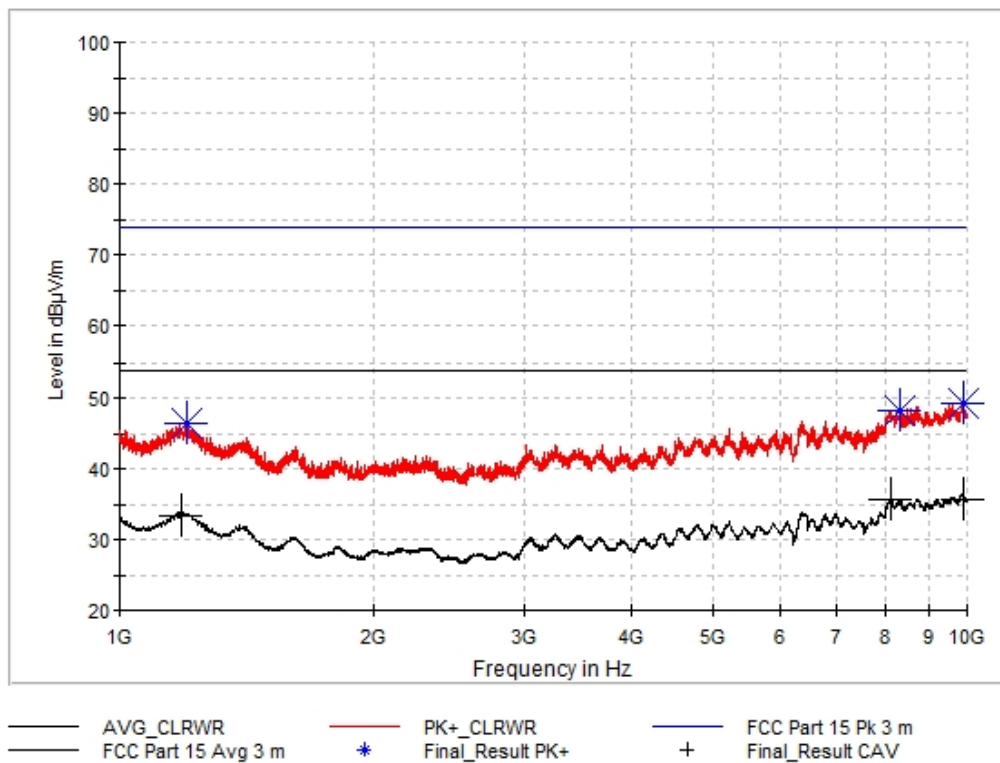
Photo 4.11.2 Test set-up regarding measurement of radiated emission (above 1 GHz).

4.12 Measurement of radiated emission (above 1 GHz) Rx 921 MHz

Test object	Smart Clima	Sheet	RE_Spur-15
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	10 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	1-10 GHz

Test method	ANSI C63.10:2013	Temperature	23 °C
Characteristics	Complete search, antenna distance 3 m.	Humidity	58 % RH
Detector	Peak and CISPR average	Bandwidth	1 MHz
Test equipm.	EMI room Hørsholm 49900 49624 49625 49869 49870 49674 29953 49999	Uncertainty	4.9 dB

Full Spectrum



Comments

Continuous RX - normal modulation

Test object	Smart Clima	Sheet	RE_Spur-16
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	10 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C	Frequency	1-10 GHz

Test method	ANSI C63.10:2013	Temperature	23 °C
Characteristics	Complete search, antenna distance 3 m	Humidity	58 % RH
Detector	Peak and CISPR average	Bandwidth	1 MHz
Test equipm.	EMI room Hørsholm 49900 49624 49625 49869 49870 49674 29953 49999	Uncertainty	4.9 dB

Frequency (MHz)	MaxPeak (dB μ V/m)	CAverage (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azi-muth (deg)	Corr. (dB/m)
1181.75	---	33.40	53.9	20.5	5000	103.0	V	64	-6.1
1203.00	46.31	---	73.9	27.6	5000	219.0	H	227	-6.3
8110.00	---	35.70	53.9	18.2	5000	128.0	V	141	-24.8
8338.50	48.09	---	73.9	25.8	5000	283.0	V	276	-24.6
9879.75	---	35.72	53.9	18.2	5000	105.0	V	258	-18.6
9892.25	49.34	---	73.9	24.6	5000	222.0	H	47	-18.8

Test result	The measured field strengths are below the limit
Test Port	Enclosure
Test frequency	921 MHz
Test mode	Continuous RX - normal modulation
Condition	Normal
Compliant	Yes
Comments	Final maximal measurements by variation of turntable azimuth, antenna height, and antenna polarisation. Table-top height at 1.5 m. Test voltage: Internal power supply

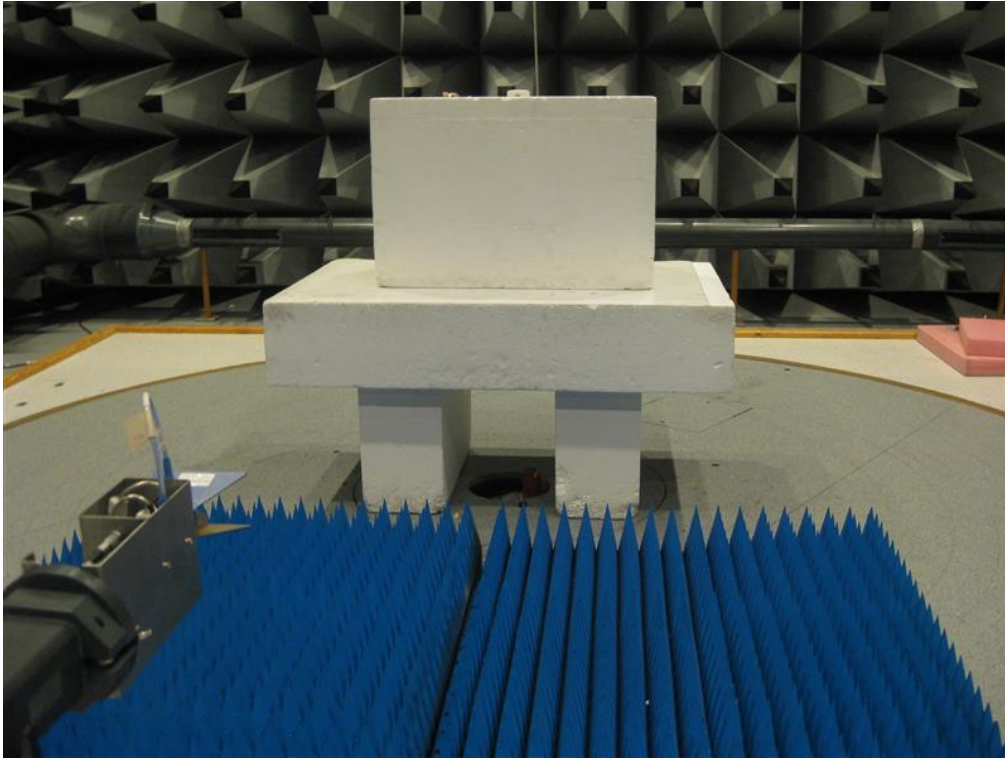


Photo 4.12.1 Test set-up regarding measurement of radiated emission (above 1 GHz).

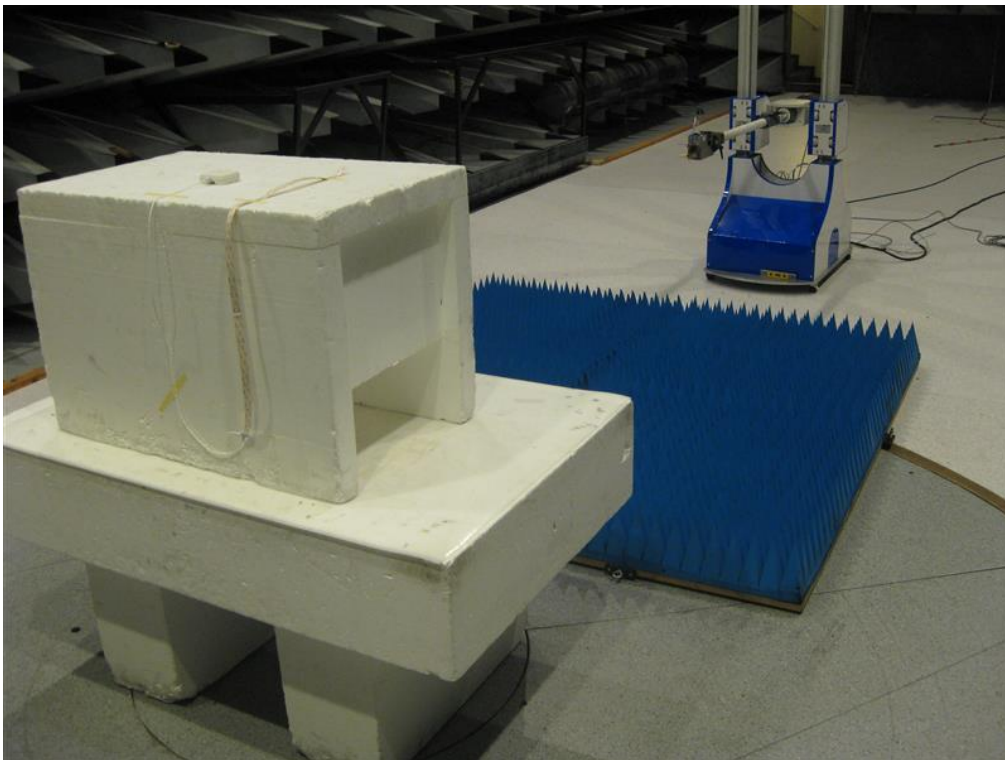
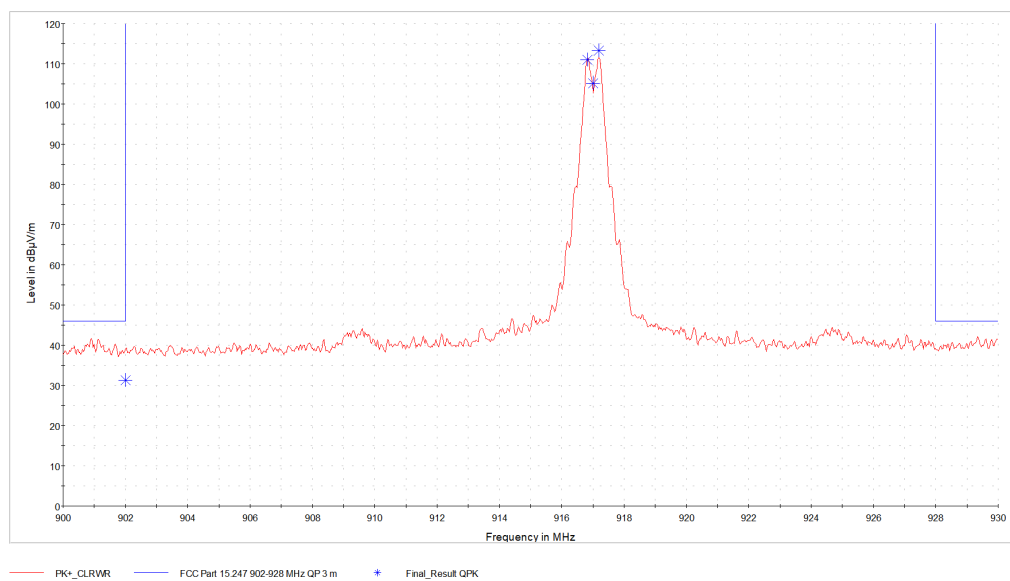


Photo 4.12.2 Test set-up regarding measurement of radiated emission (above 1 GHz).

4.13 Measurement of band edge compliance

Test object	Smart Clima	Sheet	PROF-13
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	13 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	65 % RH
Detector	Peak and quasi peak	Bandwidth	120 kHz
Test equipm.	EMI room Hørsholm 49900 29797 49704 49590 49817 49808 49674 29953 49999	Uncertainty	6.3 dB

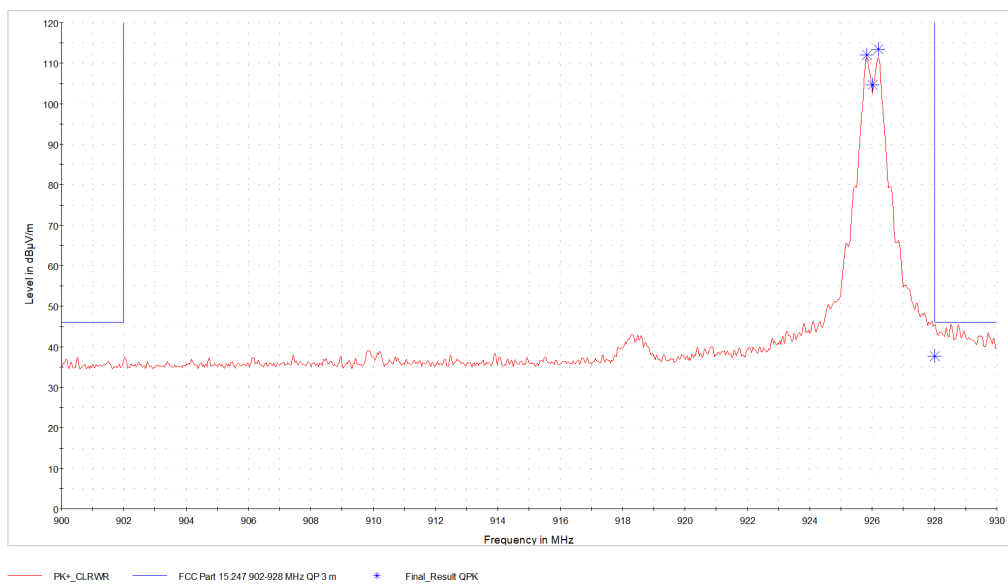


Comments

Operating frequency: 917 MHz

Test object	Smart Clima	Sheet	PROF-14
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	13 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Procedures for testing DTS devices	Humidity	65 % RH
Detector	Peak and quasi peak	Bandwidth	120 kHz
Test equipm.	EMI room Hørsholm 49900 29797 49704 49590 49817 49808 49674 29953 49999	Uncertainty	6.3 dB



Comments

Operating frequency: 926 MHz

Test object	Smart Clima	Sheet	PROF-15
Type	300600 Rev. A	Project no.	120-25828-8
Serial no.	EMC-1	Date	13 Aug. 2020
Client	Anticimex Innovation Center A/S	Initials	PWF
Specification	FCC 47 CFR Part 15C		

Test method	ANSI C63.10:2013	Temperature	22 °C
Characteristics	Complete search, antenna distance 3 m	Humidity	65 % RH
Detector	Quasi peak	Bandwidth	120 kHz
Test equipm.	EMI room Hørsholm 49900 29797 49704 49590 49817 49808 49674 29953 49999	Uncertainty	6.3 dB

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
902.00	31.34	46.0	14.7	15000	100.0	H	-33	34.1
928.00	37.71	46.0	8.3	15000	100.0	H	175	35.1

Test result	The measured band edge was below the limit
Test Port	Enclosure
Test frequency	917 MHz and 926 MHz
Test mode	Continuous Tx - normal modulation
Condition	Normal
Compliant	Yes
Comments	Test voltage: Internal power supply. Table-top height at 0.8 m.

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-12532 and T-11548
EMI room Hørsholm (EMC-5): R-11180, C-10706
T-11550 and G-10470

5.4 IC Registrations

Organization: Industry Canada, Certification and Engineering Bureau

Registration Number: IC4187A-5

Facilities: EMI room Hørsholm (EMC-5)

6. List of instruments

No	Category/Action	Manufacturer	Type no	Cal. date	Cal. exp.
29797	BILOG ANTENNA, 30-2000 MHz	CHASE ELECTRICS LTD	CBL 6111A	26-07-2019	26-07-2021
29953	ANTENNA TOWER/TURNTABLE CONTROLLER	EMCO	2090	N/A	N/A
49550	SIGNAL ANALYZER	ROHDE & SCHWARZ	FSQ8	16-01-2020	16-01-2021
49590	CABLE, LOW-LOSS uWAVE CABLE, N-N, 8.0 m "EMI"	SUHNER	SUCOFLEX 104 PB	25-10-2019	25-01-2021
49624	DUAL RIDGE HORN ANTENNA – 1GHZ-26GHZ (2GHZ-32GHZ)	SATIMO	SH2000	01-03-2018	01-03-2021
49625	SRD COAX SWITCH MATRIX USED IN 1GHZ TO 26GHZ SRD ANTENNASYSTEM	DELTA	COAX SWITCH MATRIX	02-03-2020	02-06-2021
49674	MATURO CONTROLLER	MATURO	NCD	N/A	N/A
49704	CABLE 3 m SMA-N	SUHNER	SUCOFLEX104	25-10-2019	25-01-2021
49739	CABLE 1.5 m SMA-SMA	SUHNER	SUCOFLEX104	04-12-2019	04-12-2020
49808	ATTENUATOR, DC-12.4GHz, 6 dB	HUBER-SUHNER	6806.17A	26-07-2019	26-07-2021
49817	CABLE, LOW-LOSS uWAVE CABLE, N-N, 8.0 m "EMI"	SUHNER	SUCOFLEX 104 PB	25-10-2019	25-01-2021
49869	CABLE 3 M PC3.5 MALE-FEMALE SUCOFLEX 126	HUBER+SUHNER	-	02-03-2020	02-06-2021
49870	CABLE 13 M PC3.5 MALE-MALE SUCOFLEX 126EA	HUBER+SUHNER	-	02-03-2020	02-06-2021
49900	SPECTRUM ANALYZER / MEASUREMENT RECEIVER	ROHDE & SCHWARZ	ESW26	15-01-2020	15-01-2021
49999	EMC32-Software EMIroom	ROHDE & SCHWARZ	Ver. 10.40.10	N/A	N/A