

Bellaterra: **June 12, 2015**

File number: **15/31703968**

Petitioner's reference : **Humitat Stop S.L.**
Via Bellavista 80
Pallejà, 08753

On its behalf:
Mr. Juan Alberto Viñas De la Cruz



TEST REPORT

TEST REQUESTED

Electromagnetic compatibility, directive **2004/108/CE**.

Standard conformity to:

UNE-EN 61000-6-3:2007+A1:2012 Electromagnetic compatibility (EMC) Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments.

UNE-EN 61000-6-1:2007 Electromagnetic compatibility (EMC) Part 6-1: Generic standards – Immunity for residential, commercial and light-industrial environments.

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1.EQUIPMENT RECEIVED AND TESTED

Equipment: dehumidifier of walls, Brand: HUMITAT STOP, Model: HS-221, s/n: 000500.

Test product reception: 2015-05-13
 Test initial date: 2015-05-13
 Test final date: 2015-05-15

1.1.Test configuration

Power Supply: DC 12V.
 Set-up: over the table.
 Test exercise: Equipment working at 12V DC. For immunity we check electromagnetic field with a external magnet.
 Equipment size: 250mm x 180mm x 60mm

1.2.Auxiliary and control equipment

Power supply AC/DC at 12V DC brand Click model CPS2024120200.

1.3.Input/Output wires

The equipment don't has input-output wires.

2.TESTING PROCEDURE

EMISSIONS TEST APPLICABLE STANDARDS	
Standard: UNE-EN 61000-6-3:2007+A1:2012 based on standards:	
Basic standard: UNE-EN 55016-2-3: 2007+A1:2008+A2:2008	
<input checked="" type="checkbox"/> Radio-frequency radiated emissions (30 -1000MHz)	Class: B
Basic standard: UNE-EN 55016-2-1: 2007+A1:2007	
<input checked="" type="checkbox"/> Continuous conducted emissions (0,15-30MHz)	Class: B
Basic standard: UNE-EN 55014-1: 2008+A1:2009	
<input type="checkbox"/> Discontinuous conducted emissions (0,15-30MHz)	
Not apply. Only for equipment with supply is AC	
Basic standard: UNE-EN 61000-3-3:2009	
<input type="checkbox"/> Voltage fluctuations emissions	
Not apply. Only for equipment with supply is AC	
Basic standard: UNE-EN 61000-3-2:2006+A1:2010+A2:2010	
<input type="checkbox"/> Harmonic current emissions	Class: B
Not apply. Only for equipment with supply is AC	

IMMUNITY TESTS APPLICABLE STANDARDS	
Standard: UNE-EN 61000-6-1:2007 based on standards:	
Basic standard: UNE-EN 61000-4-2:2010	
<input checked="" type="checkbox"/> Electrostatic discharge immunity	Level AC: 8 kV Level DC: 4 kV
Basic standard: UNE-EN 61000-4-3:2007+A1:2008+A2:2011	
<input checked="" type="checkbox"/> Electromagnetic field immunity.	Frequency range: 80MHz-1GHz Severity: 3 V/m Modulation: 80% AM 1 kHz Frequency range: 1,4GHz-2GHz Severity: 3 V/m Modulation: 80% AM 1 kHz Frequency range: 2GHz-2,7GHz Severity: 1 V/m Modulation: 80% AM 1 kHz
Basic standard: UNE-EN 61000-4-4:2005+A1:2010+CORR:2010	
<input checked="" type="checkbox"/> Fast transients in burst immunity.	
<input type="checkbox"/> Severity level in signal and control ports, and by ground terminal.	Severity: -- kV
<input checked="" type="checkbox"/> Severity level in I/O port of DC power Supply:.	Severity: 1 kV
<input type="checkbox"/> Severity level in I/O port of AC power Supply:.	Severity: -- kV
Basic standard: UNE-EN 61000-4-5:2007+CORR:2010	
<input checked="" type="checkbox"/> Surge transients immunity.	
<input type="checkbox"/> Signal and control ports.	Common mode severity: -- Differential mode severity: --
<input type="checkbox"/> DC Supply: ports.	Common mode severity: -- Differential mode severity: --
<input checked="" type="checkbox"/> AC Supply: ports.	Common mode severity: 2 kV Differential mode severity: 1 kV
Test performed with usual supply	
Basic standard: UNE-EN 61000-4-6:2009	
<input checked="" type="checkbox"/> Current injections immunity.	
<input type="checkbox"/> Signal and control ports.	Severity: -- RMS
<input checked="" type="checkbox"/> AC/DC Supply:, and access by ground terminal.	Severity: 3 V RMS
Basic standard: UNE-EN 61000-4-11:2005	
<input checked="" type="checkbox"/> Voltage variation immunity.	
<input type="checkbox"/> Short interruptions.	
<input type="checkbox"/> Voltage dips.	
Not apply. Only for equipment with supply is AC	
Basic standard: UNE-EN 61000-4-8:20011	
<input checked="" type="checkbox"/> Low frequency magnetic field immunity	Intensity: 3 A/m

2.1. Acceptance criteria for the immunity test

According to standard **UNE-EN 61000-6-1:2007** section 4

2.2. Test procedures

Radio-frequency radiated emissions: C5400277.
Continuous conducted emissions: C5400276.
Discontinuous conducted emissions: C5400278.
Radiated power emissions: C5400279.
Magnetic field radiated emissions: CD12
Voltage fluctuations emissions and harmonic current emissions: C5400281.
Electrostatic discharges immunity: C5400282.
Electromagnetic field immunity: C5400285.
Fast transients in burst immunity: C5400283.
Surge transients immunity: C5400286.
Current injections immunity: C5400284.
Voltage variations immunity: C5400288.
Low frequency magnetic field immunity: C5400287.

2.3. Measuring uncertainties

Radio-frequency radiated emissions: $\pm 4,3$ dB.
Continuous conducted emissions: $\pm 2,1$ dB.
Discontinuous conducted emissions: $\pm 0,9$ dB.
Radiated power emissions: $\pm 2,2$ dB.
Voltage fluctuations emissions: $\pm 0,8$ dB.
Harmonic current emissions: $\pm 0,8$ dB.
Electrostatic discharges immunity: $\pm 1,65$ dB.
Electromagnetic field immunity: $\pm 2,45$ dB.
Fast transients in burst immunity: $\pm 1,3$ dB.
Surge transients immunity: $\pm 1,3$ dB.
Current injections immunity: $\pm 1,7$ dB.
Voltage variations immunity: $\pm 0,8$ dB.
Low frequency magnetic field immunity: $\pm 1,01$ dB.

In all cases, with a confidence level of 95%, $k=2$.

2.4. Environmental conditions

See results sheets

3.RESULTS

PRODUCT		
Equipment: dehumidifier of walls, brand: HUMITAT STOP, model: HS-221, serial number: 000500		
EMISSION TESTING		RESULTS
Radio-frequency radiated emissions.	Pass	Note: 3
Continuous conducted emissions.	Pass	Note: 4
<p>1: The measured results are above the upper limit, even considering the half of the uncertainty interval.</p> <p>2: The measured results are above the specified limits, but within the uncertainty interval. It is therefore not possible to state compliance based on the 95% level of confidence. However, the results indicate that non-compliance is more probable than compliance</p> <p>3: The measured results are below the specified limits, but within the uncertainty interval. It is therefore not possible to state compliance based on the 95% level of confidence. However, the results indicate that compliance is more probable than non-compliance</p> <p>4: The measured results are within the limits, including the uncertainty interval.</p>		
IMMUNITY TESTING		RESULTS
Electrostatic discharges immunity.	A	Criteria: B
Electromagnetic field immunity.	A	Criteria: A
Fast transients in burst immunity.	A	Criteria: B
Surge transients immunity.	A	Criteria: B
Current injections immunity.	A	Criteria: A
Voltage variations immunity.	C	Criteria: according to standard
Low frequency magnetic field immunity.	A	Criteria: A
Operation criteria according to standard.		

Jordi Geis Estrada
 Technical Manager
 Electrical and Electronics
 LGAI Technological Center S.A.

The results refer only and exclusively to the sample, product or material delivered for testing in "Received Material" section above. The equipment has been tested under conditions stipulated by standard(s) quoted in this document.

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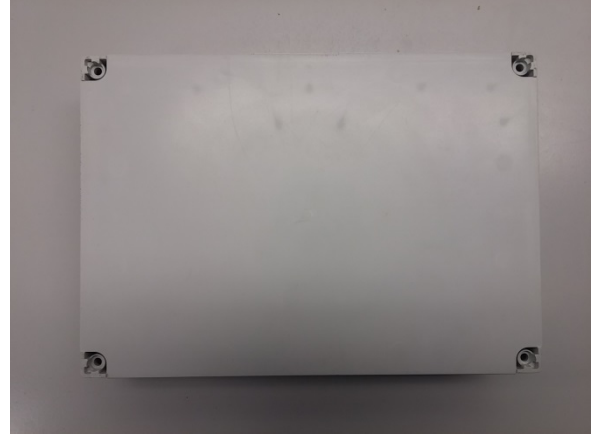
4.ANNEXES

4.1. Identification pictures

General view



Frontal view



Rear view

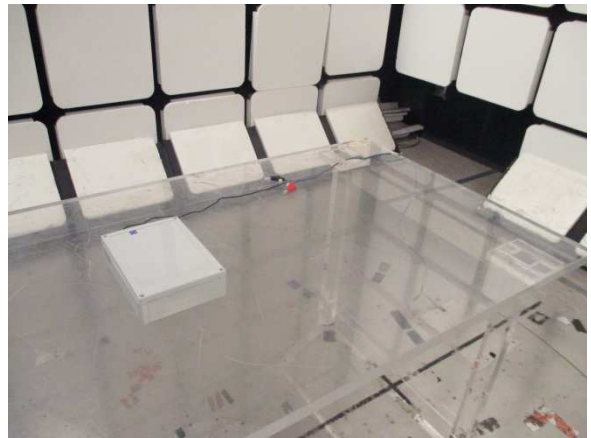


label view



Side view

Test configuration



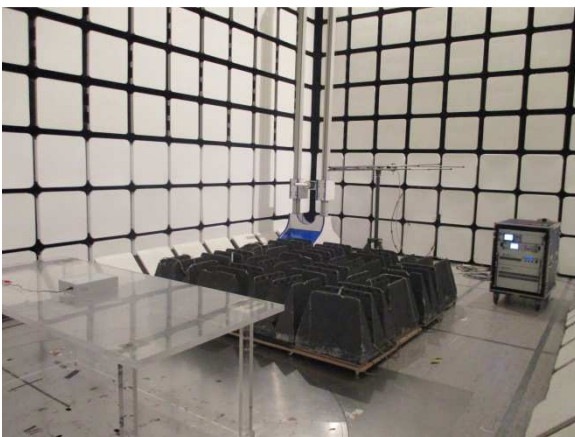
Radio-frequency radiated emissions



Continuous conducted emissions



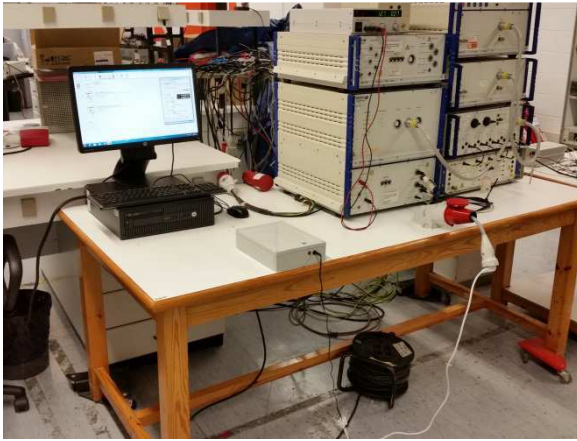
Electrostatic discharges immunity



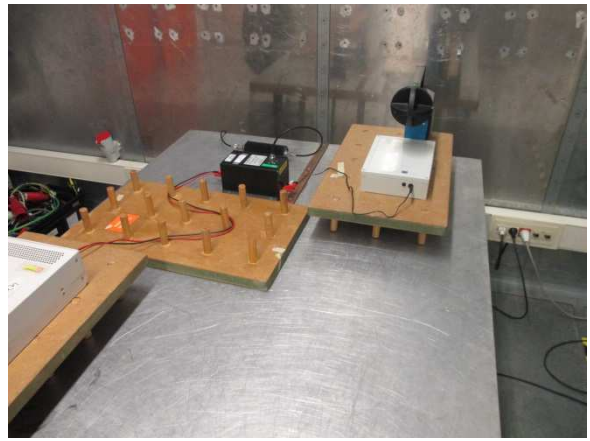
Electromagnetic field immunity



Fast transients in burst immunity



Surge transients immunity



Current injections immunity



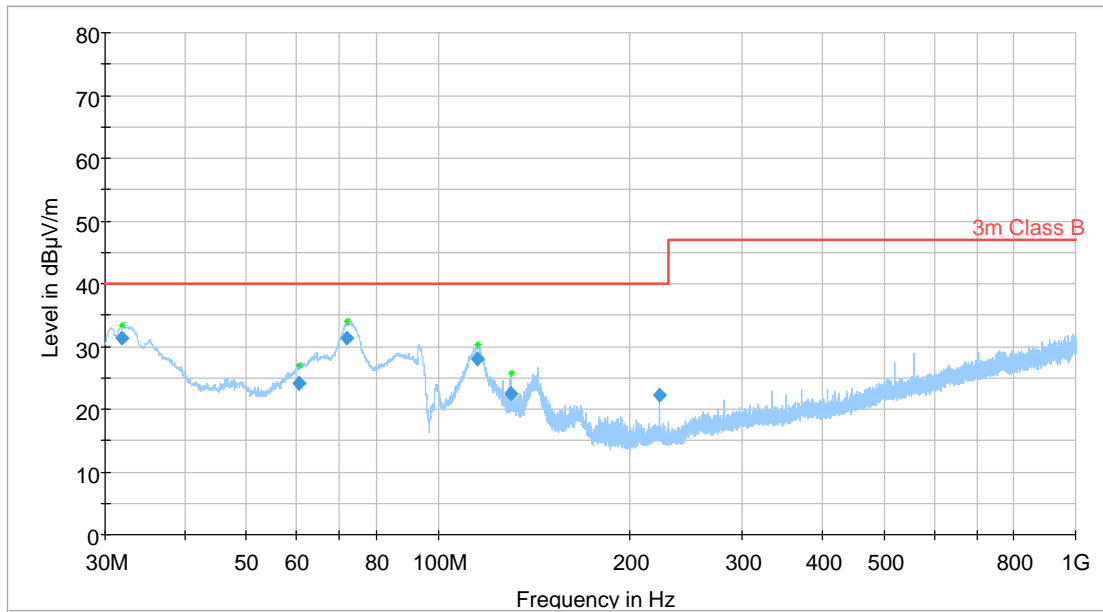
Voltage fluctuations emissions and harmonic
current emissions

4.2.Results Details

RADIO-FREQUENCY RADIATED EMISSIONS					
Petitioner : Humitat Stop S.L.			Device under test: dehumidifier of walls		
File number: 15/31703968			Brand: HUMITAT STOP		
Procedure: C5400277			Model: HS-221		
Basic standard: UNE-EN 55016-2-3: 2007+A1:2008+A2:2008			Serial number: 000500		
			Reception date: 2015-05-13		
Performance criteria according to: UNE-EN 61000-6-3:2007+A1:2012			Test type: Conformity	Temperature: 22.3 °C	
Technician: Moisés Pérez				Humidity: 45.9 %	
				Atm. Pressure: 1000 hPa	
Supervised:			DUT size: 250mm x 180mm x 60mm		
Test date: 2015-05-13			Frequency range: 30MHz-1GHz		
Measurement equipment: Receiver EMI RS ESU8			Test Area: Semianechoic Chamber, SAC-2		
Auxiliary equipment: Power supply AC/DC at 12V DC brand Click model CPS2024120200.			DUT exercise: Equipment working at 12V DC. For immunity we check electromagnetic field with a external magnet.		
Input/ouput cable: The equipment don't has input-output wires.			Supply: DC 12V		
EUT:	Class	Area Test	Distance	PreScan	Evaluation
over the table	B	SAC 2	3 m	8 faces	Individual
RESULTS: Pass					
Identification		Emissions		Main emission source and type	
DUT: Device under test AUX: Auxiliary Devices SYS: DUT + AUX BB : Broad-band NB : Narrow-band QP: Quasi-peak		QP < Limit - I I=Uncertainty		EBP, BB	
Comments					

RADIO-FREQUENCY RADIATED EMISSIONS II	
Petitioner: Humitat Stop S.L.	Device under test: dehumidifier of walls
File number: 15/31703968	Brand: HUMITAT STOP
Procedure: C5400277	Model: HS-221
Basic standard: UNE-EN 55016-2-3: 2007+A1:2008+A2:2008	Serial number: 000500
	Reception date: 2015-05-13

GRAPHICS



— Preview Result 1-PK+ * Critical_Freqs AVG * Critical_Freqs PK+
— 3m Class B ◆ Final_Result QPK

FINAL MEASURES

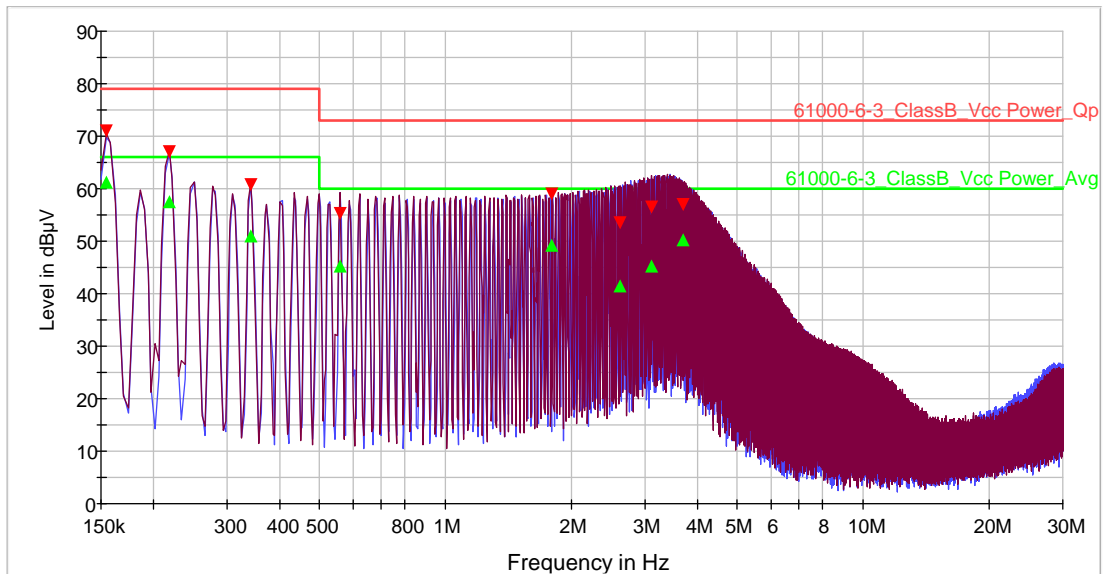
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Limit QPK (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB)
31.920000	31.33	40.00	8.67	40.0	20000.0	120.000	120.0	V	102.0	-23.9
60.480000	24.09	40.00	15.91	40.0	20000.0	120.000	125.0	V	103.0	-23.8
72.000000	31.29	40.00	8.71	40.0	20000.0	120.000	125.0	V	59.0	-24.6
114.900000	28.12	40.00	11.88	40.0	20000.0	120.000	164.0	H	160.0	-22.4
130.080000	22.55	40.00	17.45	40.0	20000.0	120.000	251.0	H	56.0	-21.3
222.750000	22.27	40.00	17.73	40.0	20000.0	120.000	182.0	H	323.0	-22.4

Comments:

CONTINUOUS CONDUCTED EMISSIONS	
Petitioner: Humitat Stop S.L.	Device under test: dehumidifier of walls
File number: 15/31703968	Brand: HUMITAT STOP
Procedure: C5400276	Model: HS-221
Basic standard: UNE-EN 55016-2-1: 2007+A1:2007	File number: 000500
	Reception date: 2015-05-13
Performance criteria according to: UNE-EN 61000-6-3:2007+A1:2012	Test type: Conformity
Technician: Luis Piñol	Temperature: 21.5 °C
Supervised:	Humidity: 34.8 %
Test date: 2015-05-13	Atm. Pressure: 1001 hPa
Equipment: Receiver EMI RS ESCS30 LISN RS ESH3-Z5 -- --	DUT exercise: Equipment working at 12V DC. For immunity we check electromagnetic field with a external magnet. Supply: DC 12V
Auxiliary equipment: Power supply AC/DC at 12V DC brand Click model CPS2024120200.	Test area: Faraday Chamber, FAC-1
	Test disposition: over the table
	Input/output cable The equipment don't has input-output wires.
CONTINUOUS CONDUCTED EMISSIONS	
Supply:	
Mains Supply:	
T. in power Supply: (dBµV)	Pass Vgp < lim QP ; Vavg < lim AVG
Source : Elija un elemento.	Type: Broad Banda
RESULTS: Pass	
Comments:	

CONTINUOUS CONDUCTED EMISSIONS II	
Petitioner: Humitat Stop S.L.	Device under test: dehumidifier of walls
File number: 15/ 31703968	Brand: HUMITAT STOP
Procedure: C5400276	Model: HS-221
Basic standard: UNE-EN 55016-2-1: 2007+A1:2007	Serial number: 000500
	Reception date: 2015-05-13

PRESCAN 12VDC



— 61000-6-3_ClassB_Vcc Power_Qp
 — 61000-6-3_ClassB_Vcc Power_Avg
 — N MaxPeak-ClearWrite
— L1 MaxPeak-ClearWrite
 ▼ QuasiPeak-QPK (Single)
 ▲ Average-AVG (Single)

FINAL MEASUREMENTS 12VDC

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV)
0.154000	61.2	1000.0	9.000	GN	L1	10.3	4.8	66.0
0.218000	57.4	1000.0	9.000	GN	L1	10.3	8.6	66.0
0.342000	51.0	1000.0	9.000	GN	L1	10.3	15.0	66.0
0.562000	45.3	1000.0	9.000	GN	L1	10.3	14.7	60.0
1.798000	49.2	1000.0	9.000	GN	L1	10.4	10.8	60.0
2.610000	41.4	1000.0	9.000	GN	L1	10.5	18.6	60.0
3.106000	45.3	1000.0	9.000	GN	L1	10.6	14.8	60.0
3.694000	50.2	1000.0	9.000	GN	L1	10.6	9.8	60.0

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV)
0.154000	70.9	1000.0	9.000	GN	L1	10.3	8.1	79.0
0.218000	67.1	1000.0	9.000	GN	L1	10.3	11.9	79.0
0.342000	60.7	1000.0	9.000	GN	L1	10.3	18.3	79.0
0.562000	55.2	1000.0	9.000	GN	L1	10.3	17.8	73.0
1.798000	58.9	1000.0	9.000	GN	L1	10.4	14.1	73.0
2.610000	53.6	1000.0	9.000	GN	L1	10.5	19.4	73.0
3.106000	56.5	1000.0	9.000	GN	L1	10.6	16.5	73.0
3.694000	56.9	1000.0	9.000	GN	L1	10.6	16.1	73.0

ELECTROSTATIC DISCHARGE IMMUNITY							
Petitioner: Humitat Stop S.L.				Device under test: dehumidifier of walls			
File number: 15/31703968				Brand: HUMITAT STOP			
Procedure: C5400281				Model: HS-221			
Basic standard: UNE-EN 61000-4-2:2010.				Serial number: 000500			
Performance criteria according to: UNE-EN 61000-6-1:2007				Test type: Conformity		Temperature: 21.4 °C	
Criteria: B						Humidity: 35.7 %	
Technician: Luis Piñol						Atm. Pressure: 1001 hPa	
Supervised:				DUT exercise: Equipment working at 12V DC. For immunity we check electromagnetic field with a external magnet.			
Test date: 2015-05-14				Supply: DC 12V			
Equipment: Schaffner NSG 438				Test disposition: over the table			
Auxiliary equipment: Power supply AC/DC at 12V DC brand Click model CPS2024120200.				Input/output cables: The equipment don't has input-output wires.			
DC- Air Contact, sharp tip				IH- Horizontal coupling, Sharp tip.			
AC- Air Contact, round tip				IV- Vertical coupling, Sharp tip.			
Point	Level	Discharges		Pol +/-	Application point	Results	Comments
		Nº	Type				
1	4kV	25	IV	+ -	FRONT 0°	A	
2	4kV	25	IV	+ -	LEFT 90°	A	
3	4kV	25	IV	+ -	BACK 180°	A	
4	4kV	25	IV	+ -	RIGHT 270°	A	
5	4kV	25	IH	+ -	FRONT 0°	A	
6	4kV	25	IH	+ -	LEFT 90°	A	
7	4kV	25	IH	+ -	BACK 180°	A	
8	4kV	25	IH	+ -	RIGHT 270°	A	
9	2,4,8 kV	25	AC	+ -	LED	A	
10	2,4,8 kV	25	AC	+ -	CONNECTOR	A	
11	2,4,8 kV	25	AC	+ -	CHASSIS	A	
Comments:							

ELECTROMAGNETIC FIELD IMMUNITY							
Petitioner: Humitat Stop S.L.				Device under test: dehumidifier of walls			
File number: 15/31703968				Brand: HUMITAT STOP			
Procedure: C5400285				Model: HS-221			
Basic standard: UNE-EN 61000-4-3:2007+A1:2008+A2:2011				Serial number: 000500			
				Reception date: 2015-05-13			
Performance criteria according to: UNE-EN 61000-6-1:2007				Test type: Conformity		Temperature: 21.5 °C	
Criteria: A						Humidity: 36.8 %	
Technician: Moises Perez						Atm. Pressure: 1002 hPa	
Supervised: Luis Piñol				DUT exercise: Equipment working at 12V DC. For immunity we check electromagnetic field with a external magnet.			
Test date: 2015-05-13				Supply: DC 12V			
Test area: Semianechoic Chamber, SAC-1				Test disposition: over the table			
DUT size: 250mm x 180mm x 60mm				Input/output cables: The equipment don't has input-output wires.			
Auxiliary equipment: Power supply AC/DC at 12V DC brand Click model CPS2024120200.							
Frequency range	80 – 1GHz		1,4 – 2GHz		2GHz – 2,7 GHz		
Severity	3 V/m		3 V/m		3 V/m		
Antenna type	Log Periodic		Log Periodic		Log Periodic		
Frequency step	1%		1%		1%		
Dwell time	3 s		3 s		3 s		
Modulation	80% AM 1 kHz		80% AM 1 kHz		80% AM 1 kHz		
Dist. DUT/antenna	3 m	3 m	1 m	1 m	1 m	1 m	
Polarization	H	V	H	V	H	V	
FACE	FRONTAL 0°	A	A	A	A	A	
	LEFT 90°	A	A	A	A	A	
	REAR180°	A	A	A	A	A	
	RIGHT 270°	A	A	A	A	A	
Points of calibrated field: L=0,5m : <input checked="" type="checkbox"/> L=0,5m : 12 (80MHz-1GHz) // <input checked="" type="checkbox"/> L=0,5m : 4 (1GHz-2.7GHz)							
<input checked="" type="checkbox"/> 0,3	<input checked="" type="checkbox"/> 1,3	<input checked="" type="checkbox"/> 2,3	<input checked="" type="checkbox"/> 3,3	RESULTS: --			
Comments:							
<input checked="" type="checkbox"/> 0,2	<input checked="" type="checkbox"/> ✓ 1,2	<input checked="" type="checkbox"/> ✓ 2,2	<input checked="" type="checkbox"/> 3,2				
<input checked="" type="checkbox"/> 0,1	<input checked="" type="checkbox"/> ✓ 1,1	<input checked="" type="checkbox"/> ✓ 2,1	<input checked="" type="checkbox"/> 3,1				
<input checked="" type="checkbox"/> 0,0	<input checked="" type="checkbox"/> ✓ 1,0	<input checked="" type="checkbox"/> ✓ 2,0	<input checked="" type="checkbox"/> 3,0				
Field checking: <input checked="" type="checkbox"/> ✓							

FAST TRANSIENTS IN BURST IMMUNITY					
Petitioner: Humitat Stop S.L.			Device under test: dehumidifier of walls		
File number: 15/31703968			Brand: HUMITAT STOP		
Procedure: C5400283			Model: HS-221		
Basic standard: UNE-EN 61000-4-4:2005+A1:2010+CORR:2010			Serial number: 000500		
			Reception date: 2015-05-13		
Performance criteria according to: UNE-EN 61000-6-1:2007			Test type: Conformity	Temperature: 22.8 °C	
Criteria: B				Humidity: 32.7 %	
Technician: Luis Piñol			Atm. Pressure: 1001 hPa		
Supervised:			DUT exercise:		
Test date: 2015-05-13			Equipment working at 12V DC. For immunity we check electromagnetic field with a external magnet.		
Equipment: Generador Schaffner NSG 2025-8			Supply: DC 12V		
Auxiliary equipment: Power supply AC/DC at 12V DC brand Click model CPS2024120200.			Test disposition: over the table		
			Input/output cables: The equipment don't has input-output wires.		
Test ports	Application	Severity (kV)	Duration	Results	Comments
DC supply	V+V-	+1	2 min	A	
		-1	2 min	A	
Comments:					

SURGE TRANSIENTS IMMUNITY (1,2/50)									
Petitioner: Humitat Stop S.L.					Device under test: dehumidifier of walls				
File number: 15/ 31703968					Brand: HUMITAT STOP				
Procedure: C5400281					Model: HS-221				
Basic standard: UNE-EN 61000-4-5:2007+CORR:2010					Serial number: 000500				
Performance criteria according to: UNE-EN 61000-6-1:2007					Test type: Conformity		Temperature: 21,7 °C		
Criteria: B							Humidity: 34,8 %		
Technician: Luis Piñol							Atm. Pressure: 1004 hPa		
Supervised:					DUT exercise: Equipment working at 12V DC. For immunity we check electromagnetic field with a external magnet. Supply: DC 12V				
Test date: 2015-05-15									
Equipment: HAEFELY PSURGE 8000									
Power Supply					Telecom Ports				
HAEFELY PIM100					HAEFELY PCD126				
HAEFELY PCD130					HAEFELY DEC1A				
Auxiliary equipment: Power supply AC/DC at 12V DC brand Click model CPS2024120200.					Test disposition: over the table				
					Input/output cables: The equipment don't has input-output wires.				
Application	Zo	Line	Phase	Severity (kV)	Nº Pulses		Results		Comments
					+	-	Polarity +	Polarity -	
POWER SUPPLY									
Symmetric	2	+/-	--	1	5	5	A	A	
Asymmetric	12	+/PE	--	2	5	5	A	A	
Asymmetric	12	-/PE	-	2	5	5	A	A	
Comments:									

CURRENT INJECTIONS IMMUNITY				
Petitioner: Humitat Stop S.L.		Device under test: dehumidifier of walls		
File number: 15/31703968		Brand: HUMITAT STOP		
Procedure: C5400284		Model: HS-221		
Basic standard: UNE-EN 61000-4-6:2009		Serial number: 000500		
Performance criteria according to: UNE-EN 61000-6-1:2007		Reception date: 2015-05-13		
Criteria: A		Type test Conformity	Temperature: 22,8 °C	
Technician: Luis Piñol			Humidity: 32,7 %	
Supervised:			Atm. Pressure: 1001 hPa	
Test date: 2015-05-13		DUT exercise: Equipment working at 12V DC. For immunity we check electromagnetic field with a external magnet.		
Auxiliary equipment: Power supply AC/DC at 12V DC brand Click model CPS2024120200.		Supply: DC 12V		
DUT size: 250mm x 180mm x 60mm		Test disposition: over the table		
Level de Severity: 3 V RMS		Input/output cables: The equipment don't has input-output wires.		
Frequency range: 150 kHz - 80 MHz		Part of a system?: Yes		
Modulation: 80% AM 1 Hz		Dwell time: 3 s		
		Increase: 1%		
CDN	Severity (V)	Application point	Results	Comments
M2	3	DC supply	A	
Comments:				

LOW FREQUENCY MAGNETIC FIELDS IMMUNITY				
Petitioner: Humitat Stop S.L.		Device under test: dehumidifier of walls		
File number: 15/31703968		Brand: HUMITAT STOP		
Procedure: C5400287		Model: HS-221		
Basic standard: UNE-EN 61000-4-8:20011		Serial number: 000500		
Performance criteria according to: UNE-EN 61000-6-1:2007		Reception date: 2015-05-13		
Criteria: A		Type test: Conformity	Temperature 21,5 °C	Humidity 34,7 %
Technician: Luis Piñol		Atm. Pressure: 1001 hPa		
Supervised:		DUT exercise: Equipment working at 12V DC. For immunity we check electromagnetic field with a external magnet.		
Test date: 2015-05-15		Supply: DC 12V		
Equipment: Induction Coil: Schaffner mod: 888-0239 AC Power Supply: Spitzenberger + Spies EMV E 10000/PAS		Test disposition: over the table		
Auxiliary equipment: Power supply AC/DC at 12V DC brand Click model CPS2024120200.		Input/output cables: The equipment don't has input-output wires.		
Coil used: Haefely Tecnology 1,2...12 A		Ambient measure (A/m): 0,17		
Applied voltage to coil (Vrms): 4V		Stabilizing EUT time: 15MIN		
Axe	Intensity (A/m)	Field type	Results	Comments:
X	3	Continuous field (5min)	A	
Y	3	Continuous field (5min)	A	
Z	3	Continuous field (5min)	A	
Comments:				