

Bellaterra: **2015-05-29**

File number: **15/31703521**

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



**En representación suya:  
Sr. Juan Alberto Viñas De la Cruz**

## **TEST REPORT**

### **TEST REQUESTED**

**Electromagnetic compatibility.**

**Standard conformity to:**

**FCC rules (CFR47 Part 15): 2008, subpart B** Information technology equipment.  
Radio disturbance characteristics. Limits and methods of measurement.

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## 1. EQUIPMENT RECEIVED AND TESTED

Equipment: Wall dehumidifier, brand: HUMITAT STOP, model: HS-221d, s/n: 000500.

Test product reception: 2015-05-13  
 Test initial date: 2015-05-13  
 Test final date: 2015-05-20

### 1.1 Test configuration

Power supply: DC 12V.

Set-up: On Table.

Test exercise: Working at 12V in normal mode. For immunity tests has been checked with an external magnet.

Equipment size: 250x180x60.

### 1.2 Auxiliary and control equipment

Power supply at 12V DC brand Click model CPS2024120200.

### 1.3 Input-output cables

The EUT is not equipped with input and output cables.

## 2. TESTING PROCEDURE

EMISSIONS TESTS APPLICABLE STANDARDS		
<b>Standard: FCC rules (CFR47 Part 15): 2008, subpart B based on standards:</b>		
<b>Basic Standard:</b> FCC rules (CFR47 Part 15): 2008, subpart B		
①	<input checked="" type="checkbox"/> Radio-frequency radiated emissions (30 -1000 MHz)	CLASS B
<b>Basic Standard:</b> FCC rules (CFR47 Part 15): 2008, subpart B		
②	<input checked="" type="checkbox"/> Continuous conducted emissions (0,15-30 MHz)	CLASS B

**2.1 Test procedures**

Radio-frequency radiated emissions: C5400277.

Continuous conducted emissions: C5400276.

**2.2 Measuring uncertainties**

Radio-frequency radiated emissions:  $\pm 4,3$  dB.

Continuous conducted emissions:  $\pm 2,1$  dB.

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

**2.3 Environmental conditions**

See result sheets.

**3. RESULTS**

PRODUCT	Test reference	
	Emissions	
Equipment Wall dehumidifier, brand HUMITAT STOP, model HS-221d, serial number: 000500.	①	②
	P	NA

P – PASS

F – FAIL

NA – NOT APPLIES

Detail of results in annex

### **3.1 Conformity to emissions standards**

#### **①.- Radio-frequency radiated emissions**

The measured results are within the limits, including the uncertainty interval.

José Manuel Suárez Román  
Technical Manager  
Electrical and Electronics  
LGAI Technological Center, S.A.

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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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#### **Service Quality Assurance**

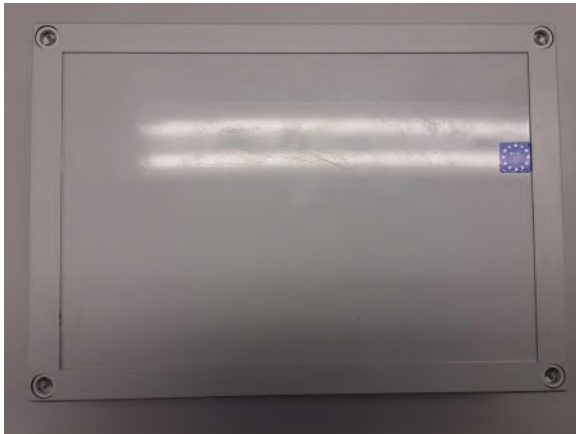
**Applus+**, guarantees that this work has been made in accordance with our Quality and Sustainability System, fulfilling the contractual conditions and legal norms.

Within our improvement program we would be grateful if you would send us any commentary that you consider opportune, to the person in charge who signs this document, or to the Quality Manager of Applus+, in the following e-mail address: [satisfaccion.cliente@applus.com](mailto:satisfaccion.cliente@applus.com)

#### 4. ANNEXES

##### 4.1 Identifications pictures

###### General View



Frontal view



Rear view

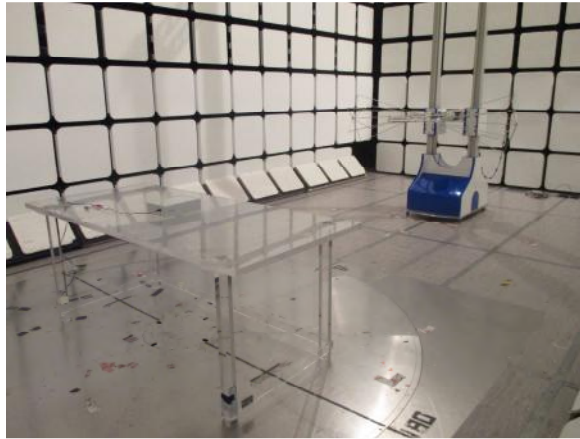


Label view



Side view

**Test configuration**



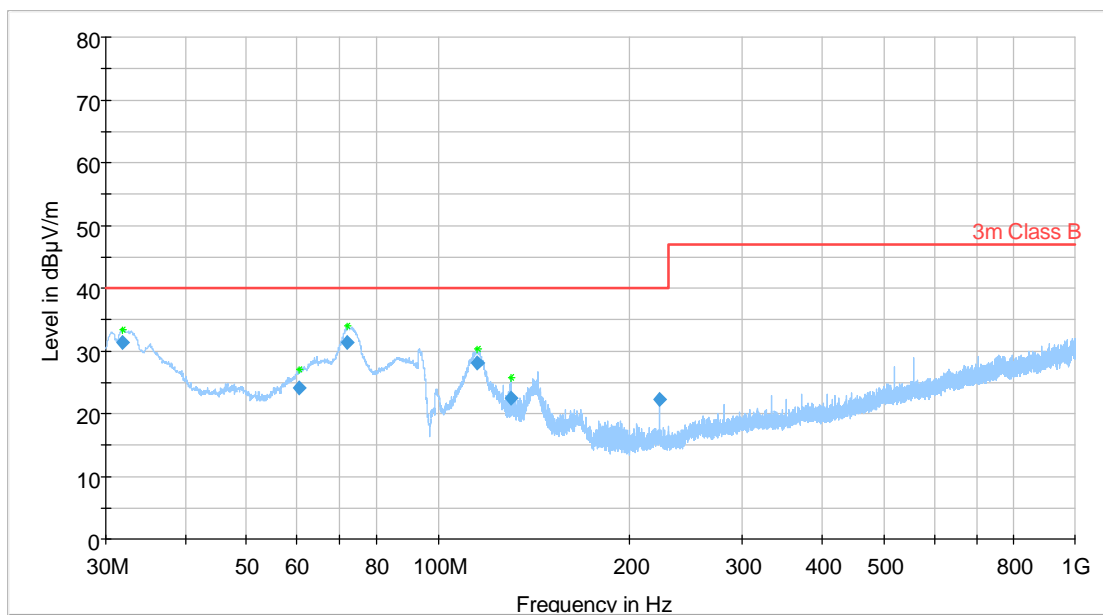
Radio-frequency radiated emissions

#### 4.2 Results details

RADIO-FREQUENCY RADIATED EMISSIONS					
<b>Petitioner: Humitat Stop S.L.</b>			<b>Device under test:</b> Wall dehumidifier		
<b>File number:</b> 15/31703521			<b>Brand:</b> HUMITAT STOP		
<b>Procedure:</b> C5400277			<b>Model:</b> HS-221d		
<b>Basic Standard:</b> FCC rules (CFR47 Part 15): 2008, subpart B			<b>Serial Number:</b> 000500.		
			<b>Reception date::</b> 2015-05-1		
<b>Performance criteria according to:</b> FCC rules (CFR47 Part 15): 2008, subpart B			<b>Test type:</b>  Conformity	<b>Temperature:</b> 22.3 °C	
<b>Technician:</b> Moises Perez				<b>Humidity:</b> 45.9 %	
<b>Supervised:</b> Luis Piñol			<b>DUT Size:</b> 250x180x60		
<b>Test date:</b> 2012-01-26			<b>Frequency range:</b> 30MHz-1GHz		
<b>Auxiliary equipment:</b> Power supply at 12V DC brand Click model CPS2024120200.			<b>DUT exercise:</b> Working at 12V in normal mode.		
<b>Input/output cable:</b> The EUT is not equipped with input and output cables.			<b>Supply:</b> DC 12V		
EUT	Class	Test Area	Distance	PreScan	Evaluation
On Table	B	SAC 2	3 m	4 faces	Individual
<b>RESULTS: PASS</b>					
<b>Identification</b>		<b>Emissions</b>		<b>Main emission source and type</b>	
DUT: Device Under Test AUX : Auxiliary Devices SYS : DUT + AUX BB : Broad-band NB : Narrow-band QP: Quasi-peak		QP < Limit - U  U = Uncertainty		EBP, BB	
<b>Comments:</b>					

RADIO-FREQUENCY RADIATED EMISSIONS II	
<b>Petitioner: Humitat Stop S.L.</b>	<b>Device under test:</b> Wall dehumidifier
<b>File number:</b> 15/31703521	<b>Brand:</b> HUMITAT STOP
<b>Procedure:</b> C5400277	<b>Model:</b> HS-221d
<b>Basic Standard:</b> FCC rules (CFR47 Part 15): 2008, subpart B	<b>Serial Number:</b> 000500.
	<b>Reception date::</b> 2015-05-13

**GRAPHICS**



— Preview Result 1-PK+      \* 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