



Assumption Change Control Sheet

Test	1a, 1b, 1c, 1d, 1e and 1f
Assumption	6. Simulated space heating outputs

Change Originator	Josu Aurrekoetxea
Change Request No.	037
Date of Request	22/09/2020
Proposed Change to Assumption?	Reduction of low power heating test to 0.5kW and medium power heating test to 1kW.

Proposed Approach

Test 1a and 1d performed with 0.5kW power. Previously was 1kW.
 Test 1b and 1e performed with 1kW power. Previously was 2kW.
 Tests 1c and 1f remain with 4kW power.

Rationale (underlying basis for assumption)

0.5kW power is a common demand in apartments. It has been noticed that performance of some HIUs drops considerably when the demand drops below 1kW, hence, it is relevant to test it at 0.5kW.
 2kW test performance has been very similar to 4kW test in all tested HIUs, therefore, to preserve 1kW has been considered more interesting than keep doing 2kW test.

Detailed explanation in TN-013

Impact of Change (e.g. implications for test rig)

0.5kW test conditions are more complex to achieve in the lab. It takes more time to reach a balance due to the small flows required for the test. With the purpose of reducing the time impact of performing lower power test the tolerance of the test power is set at ± 0.1 kW.

CHANGE EVALUATION

Date Evaluated	22/09/2020
Additional Information Required?	N
Modification to Proposed Approach?	Y
Details	
Signed-off	Y