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EUSAS European Society for Automatic Alarm Systems

BELAC 003-TEST EN 17025

CFPAEUROPE

Test report
Rapport d'essais
No. BIS/REC/1403 - 2017.03.29

Applicant: *Requérant:*	PARADOX SECURITY SYSTEMS BAHAMAS 6 MILTON STREET - FREEPORT, GRAND BAHAMA LES BAHAMAS
Subject: *Objet:*	Partial tests on new products
File: *Dossier:*	1700496

Products submitted to the tests *Produits soumis aux essais*		
Nature	**Manufacturer** *Fabricant*	**Reference**
PIR detector	Paradox	NV75MR
PIR/MW detector		NV75MW

Test history *Historique des essais*	**Date**	**Remarks** *Remarques*
Reception of the material *Réception du matériel*	03/03/2017	
Reception of the documents *Réception des documents*	NA	
Test period *Période d'essai*	20/03/2017 – 27/03/2017	

This report contains *Ce rapport contient* 13 pages.

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Chaque page de ce rapport porte le tampon rouge du laboratoire ANPI.

J.-P. Harchies
Project Manager

Authorized by

Dr B. Stockbroeckx
Head of Division LAB

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Standards and specifications *Normes et spécifications*
EN50131-2-2:2008 Alarm systems – Intrusion and hold-up systems – Part 2-2: Intrusion detectors - Passive infrared detectors
EN50131-2-4:2008 Alarm systems – Intrusion and hold-up systems – Part 2-4: Requirements for combined passive infrared and microwave detectors
EN50131-1:2006 + A1:2009 + IS1:2009 + IS2:2010 Alarm systems – Intrusion and hold-up systems – Part 1: System requirements
EN50130-5:2011 Alarm systems – Part 5: Environmental test methods

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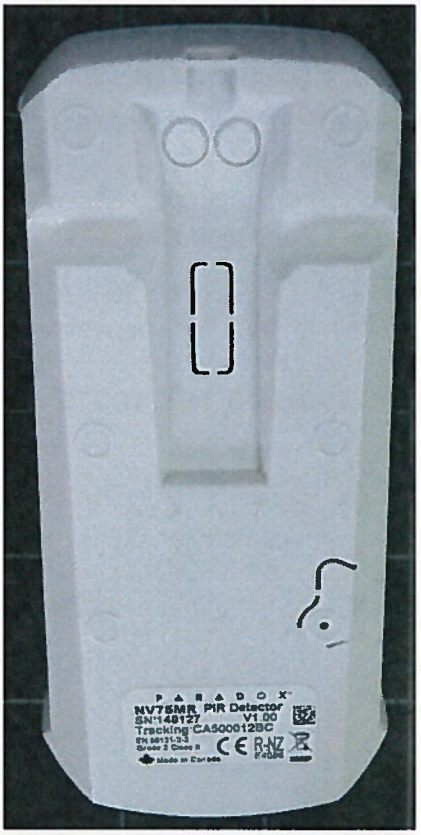
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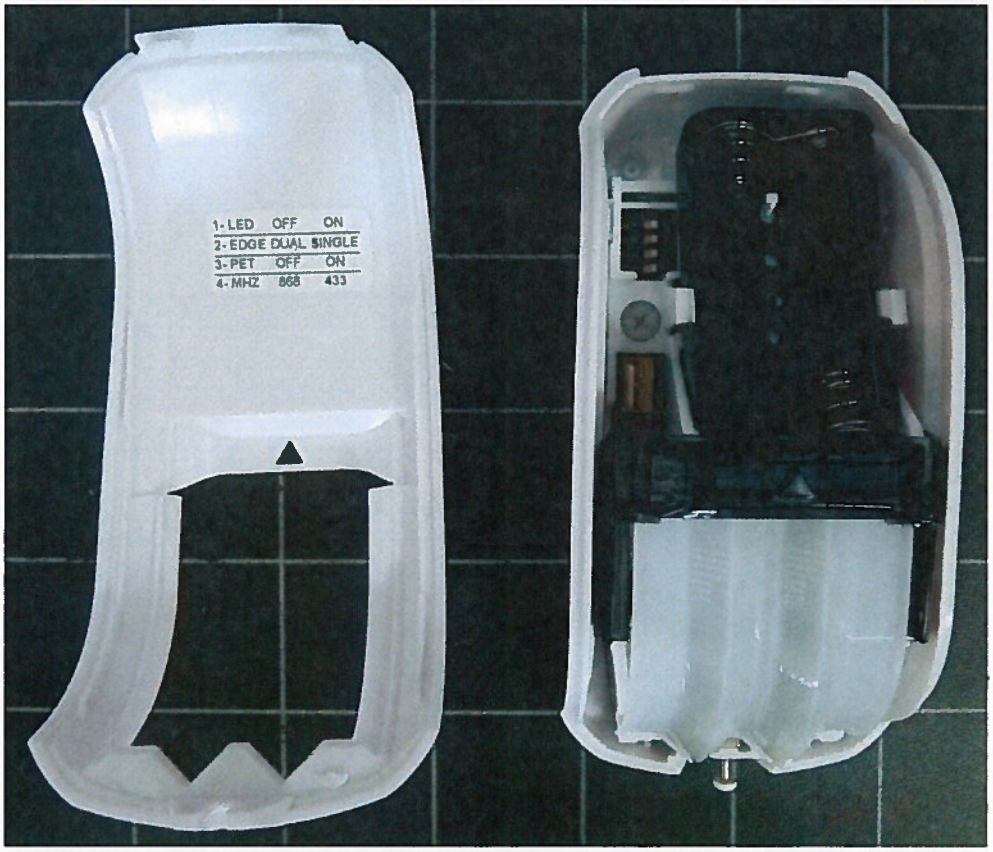
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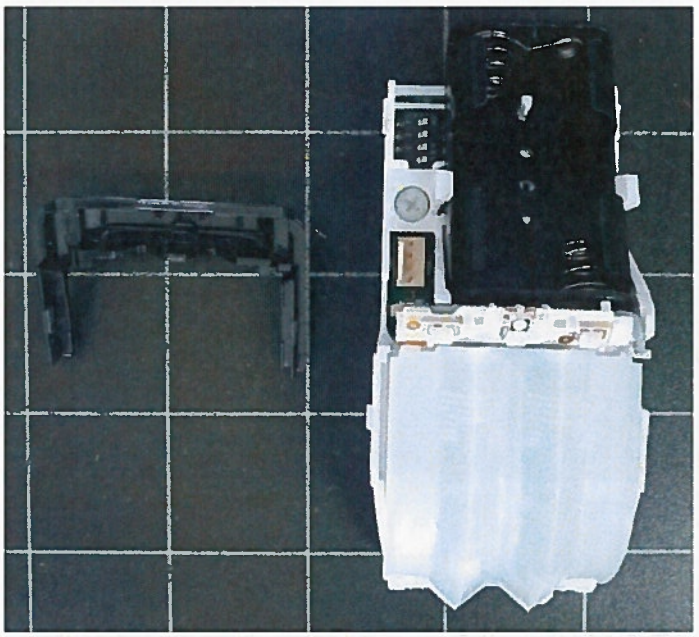
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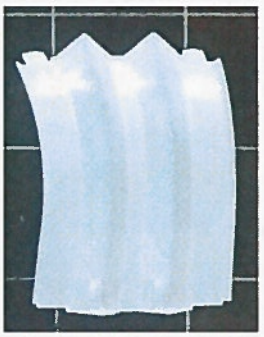
Passive Infrared detector NV75MR
with Anti-masking
Grade 2
Class II

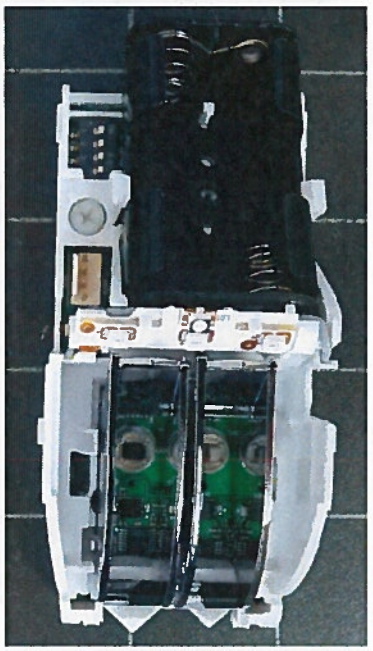


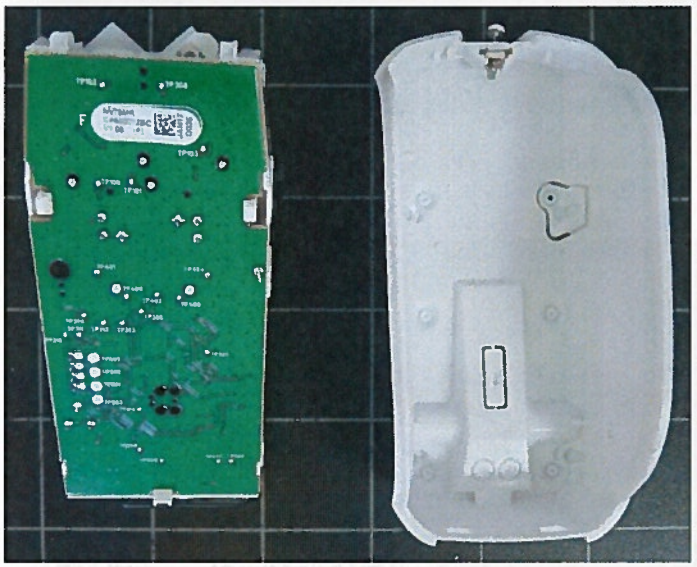


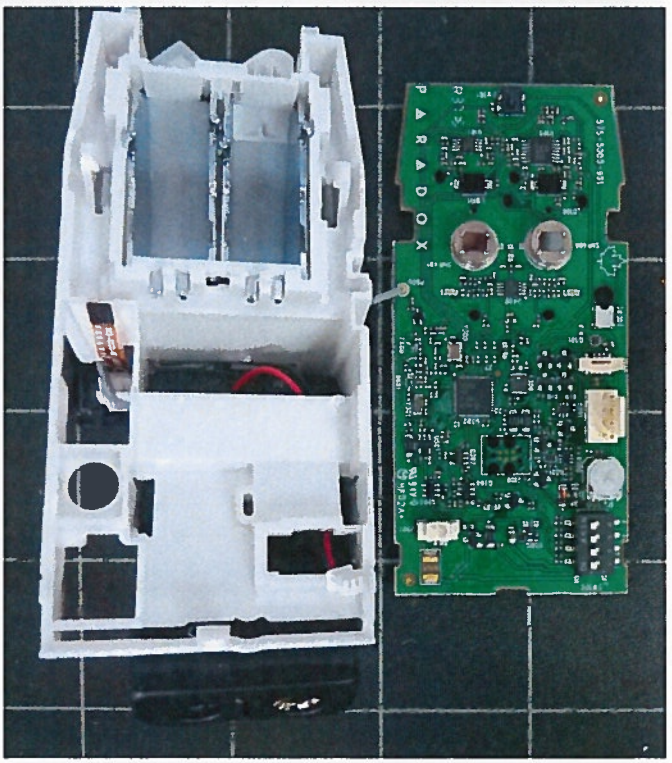


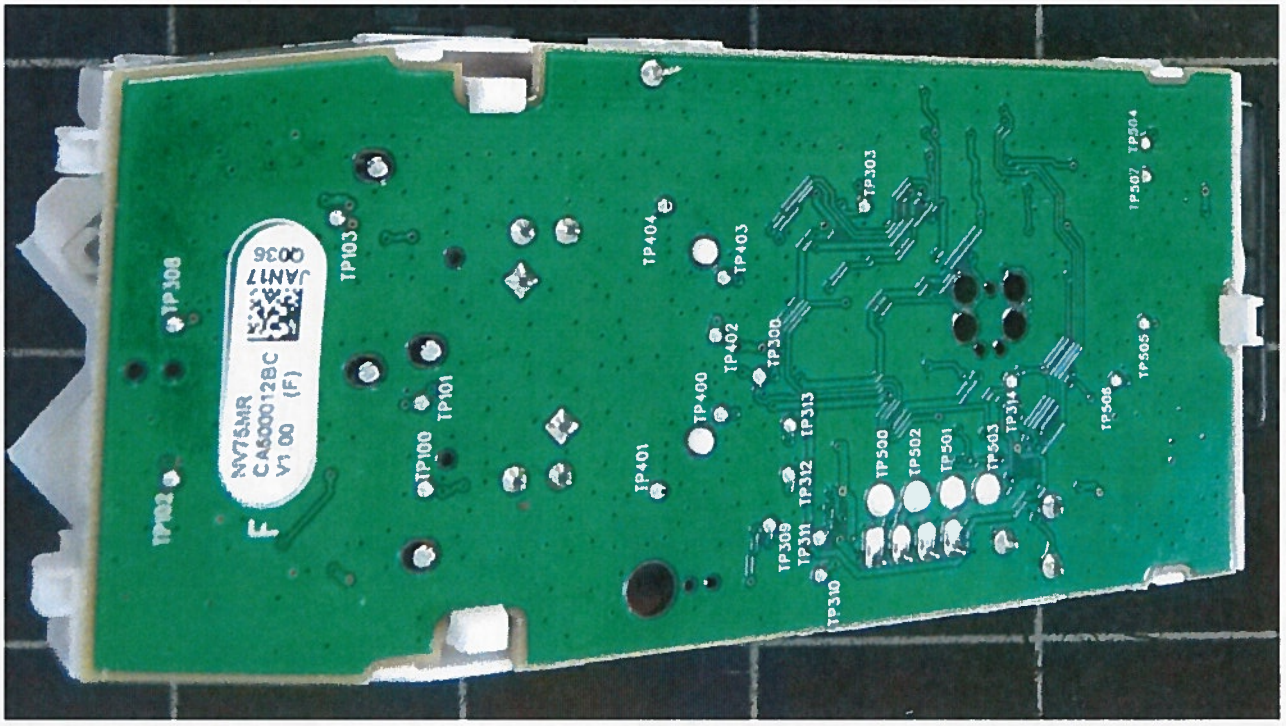


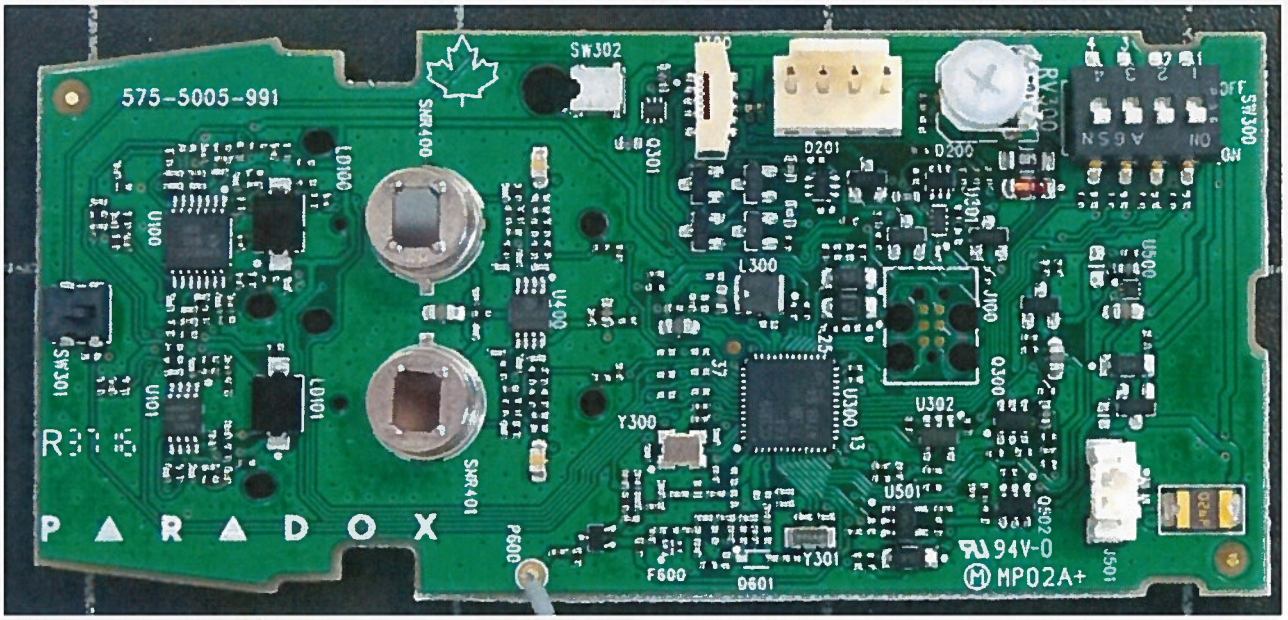








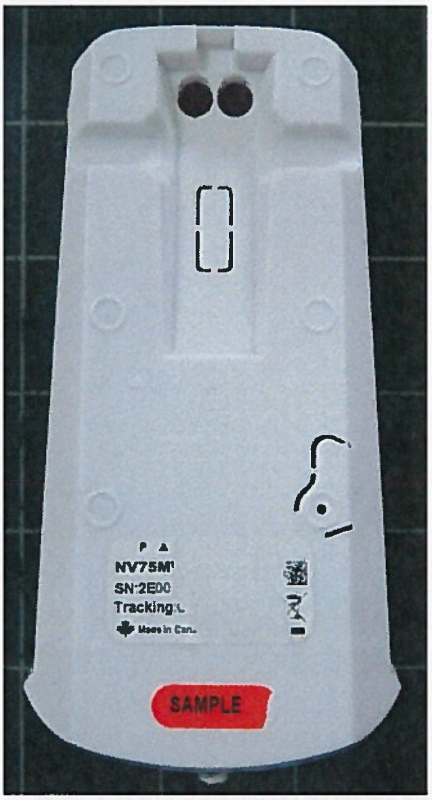


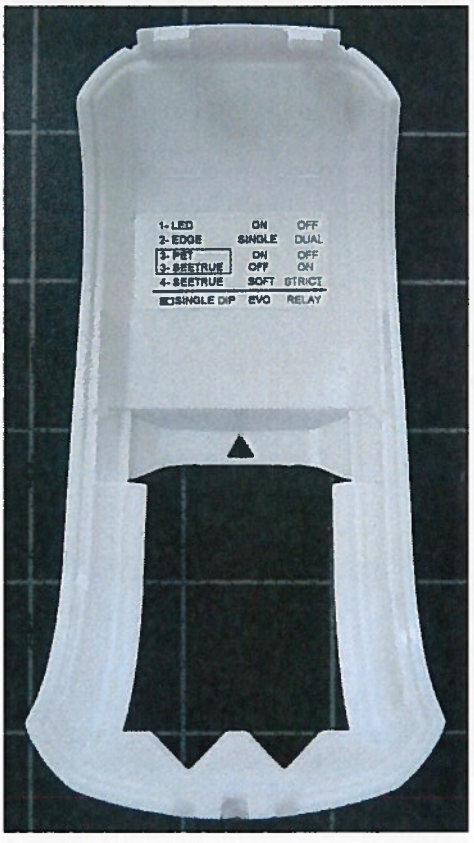


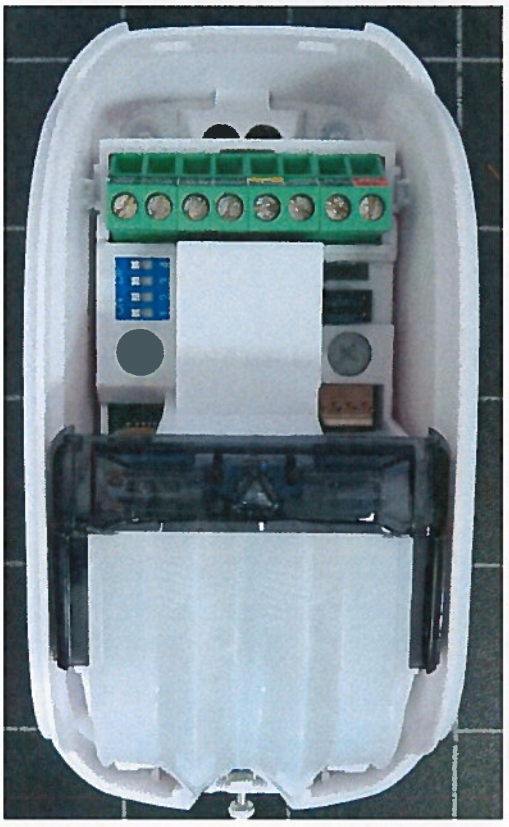
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Passive Infrared/Microwave detector NV75MW
Grade 3
Class II

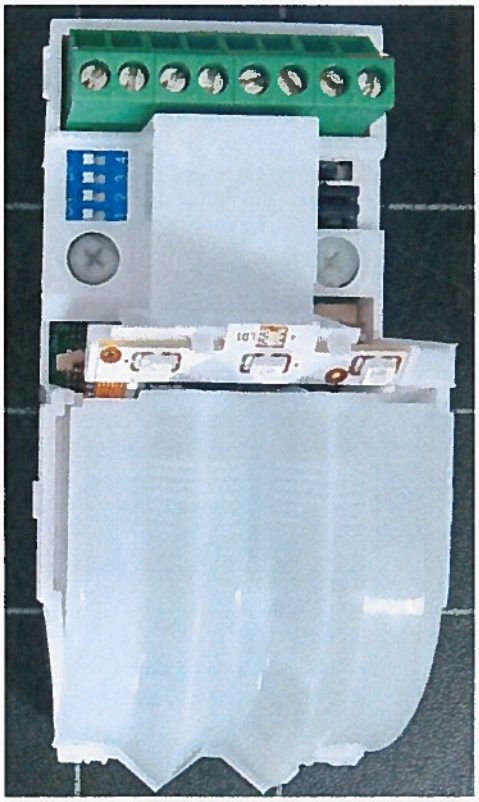


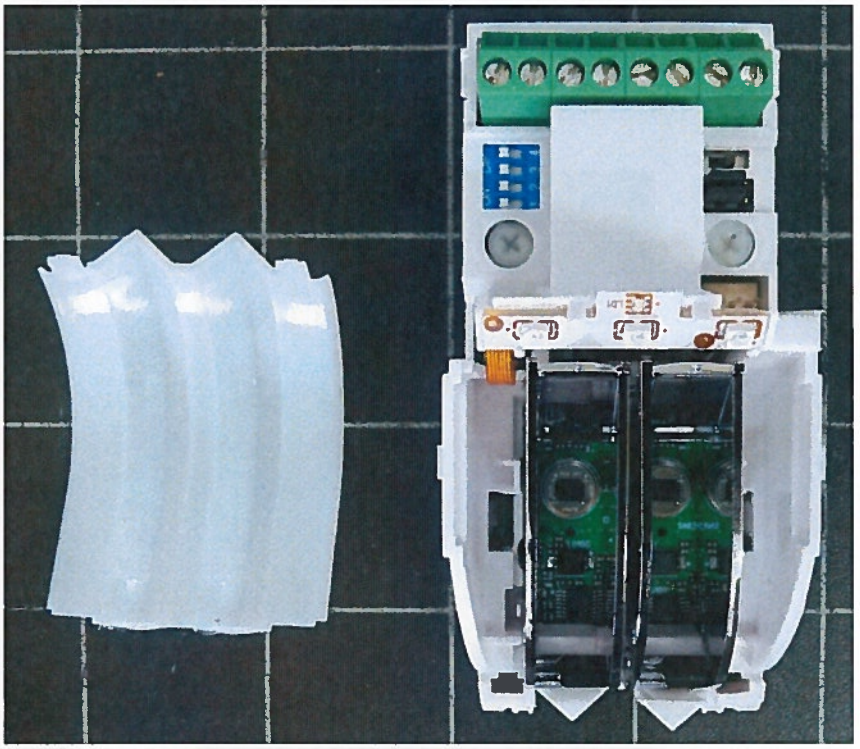




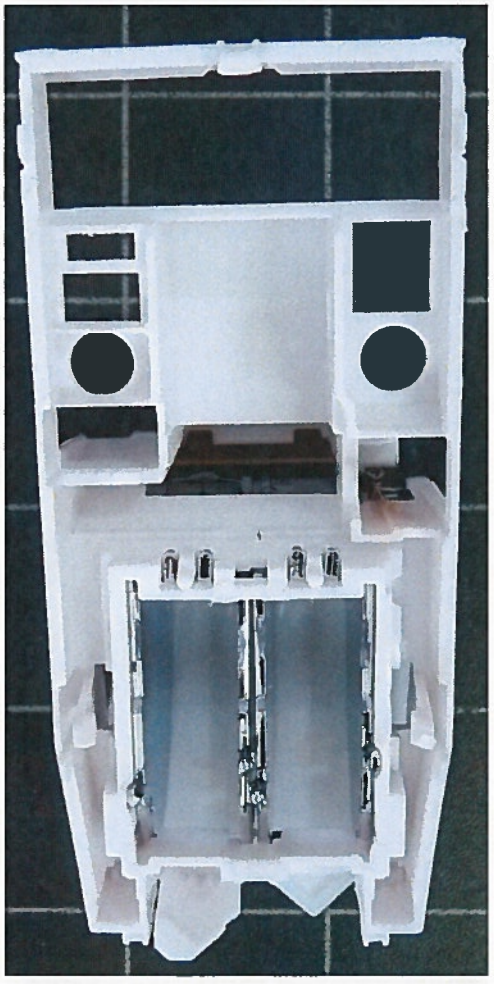


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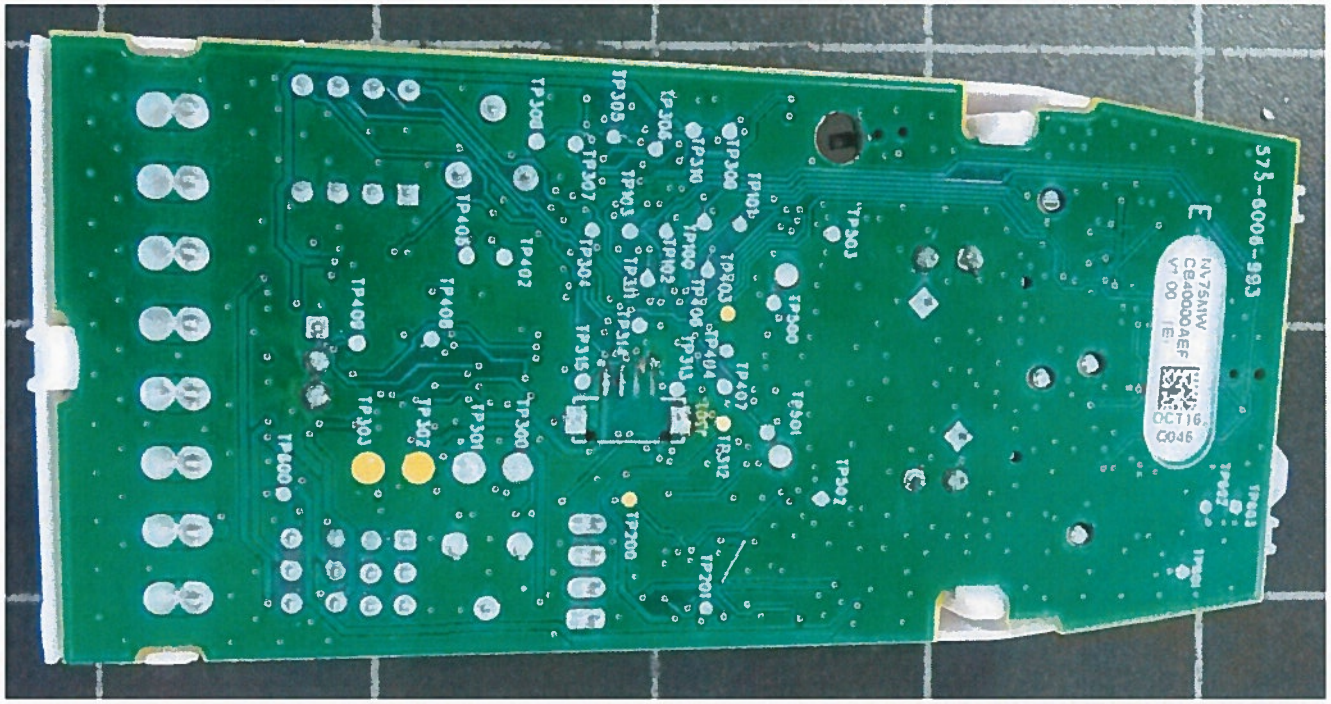


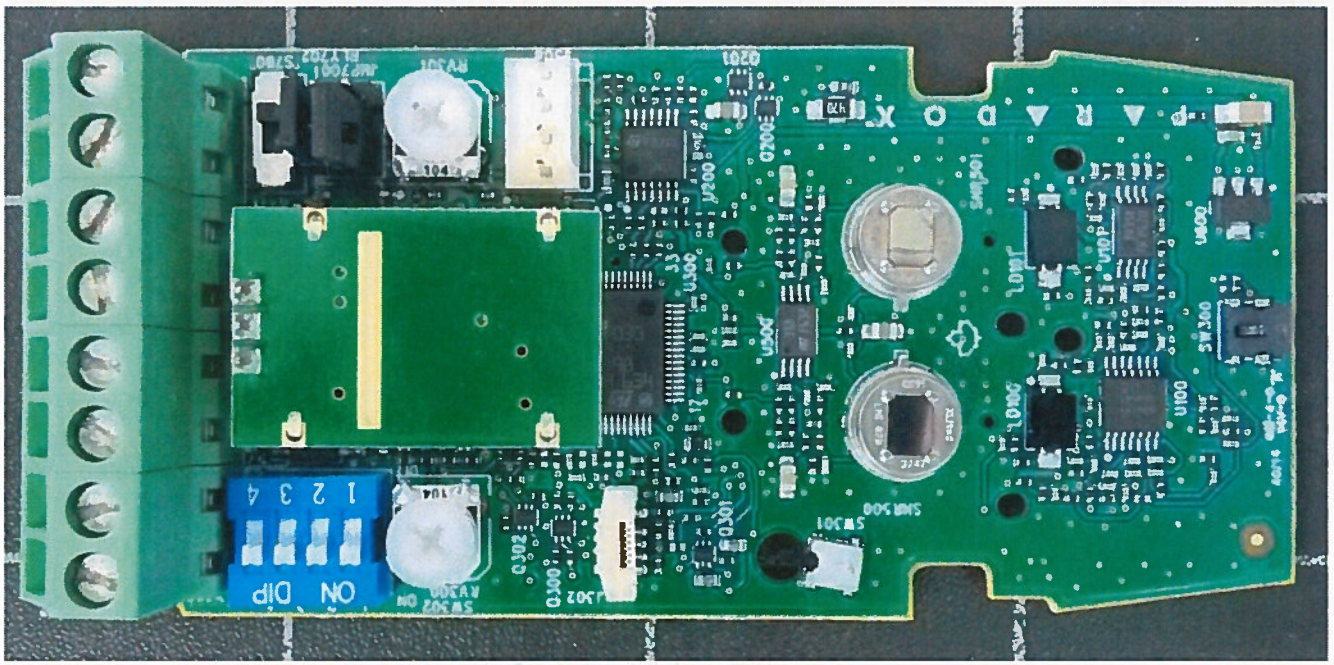






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ON Dip
1 2 3 4

C. TESTS ACCORDING TO EN50131-2-2 *ESSAIS SELON EN50131-2-2*

Summary of test results *Résumé des résultats*

P : Pass *réussi* F: Fail *échec* NA: Not Applicable *non applicable*
NP: Not Performed *non réalisé* NTR: No test required, see result on base product *essai non requis*

Subject *Objet*	**§**	**NV75MR**	**Rem.**
Security grade *Grade de sécurité*		2	
Environmental classification and conditions *Classification et conditions d'environnement*	4.7		
Environmental classification *Classification d'environnement*	4.7.1	II	
Testing *Essais*	6		
Tamper security *Sécurité contre la fraude*	6.7		
Resistance to and detection of unauthorised access to the inside of the detector through covers and existing holes *Résistance et détection d'accès non autorisés à l'intérieur du détecteur à travers l'enveloppe ou par des trous existants*	6.7.1	P	
Detection of detector masking *Détection de masquage du détecteur* (grades 3 and 4)	6.7.5	P	1
Environmental classification and conditions *Classification et conditions d'environnement*	6.9		
Endurance	6.9 T8		
SO2 corrosion (classes II, III and IV) *Corrosion SO_2 (classes II, III et IV)*	6.9 T8	P	

Remark:

1. Material number 1 only.

§6.9 T8 SO2 corrosion, endurance

The test has been performed according to EN60068-2-42:1982 with the requirements of EN50130-5 §17.

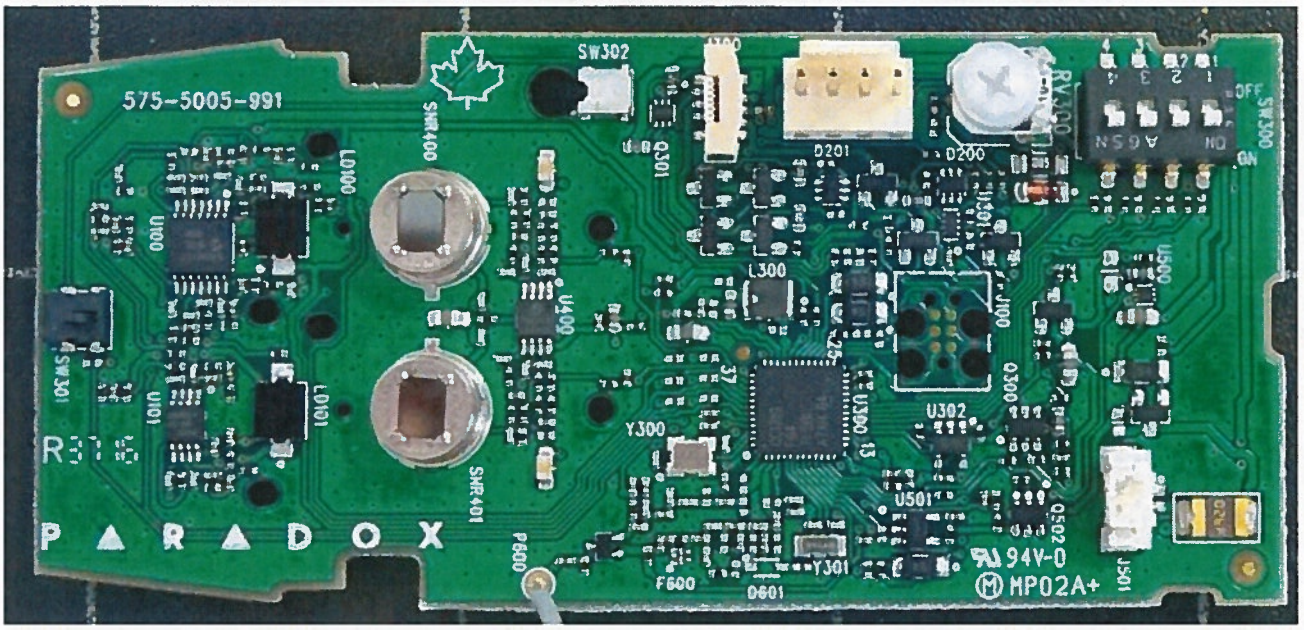
	II
Temperature	+25°C
RH	93%
SO_2 concentration (vol/vol)	25 ppm
Duration	4 days

Reduced functional test before conditioning: **OK**
No signs of mechanical damage after conditioning: **OK**
Reduced functional test after conditioning: **OK**
§6.7.1. Resistance to and detection of unauthorised access to the inside of the detector through covers and existing holes: **OK**
§6.7.5. Detection of detector masking (material 1): **OK**

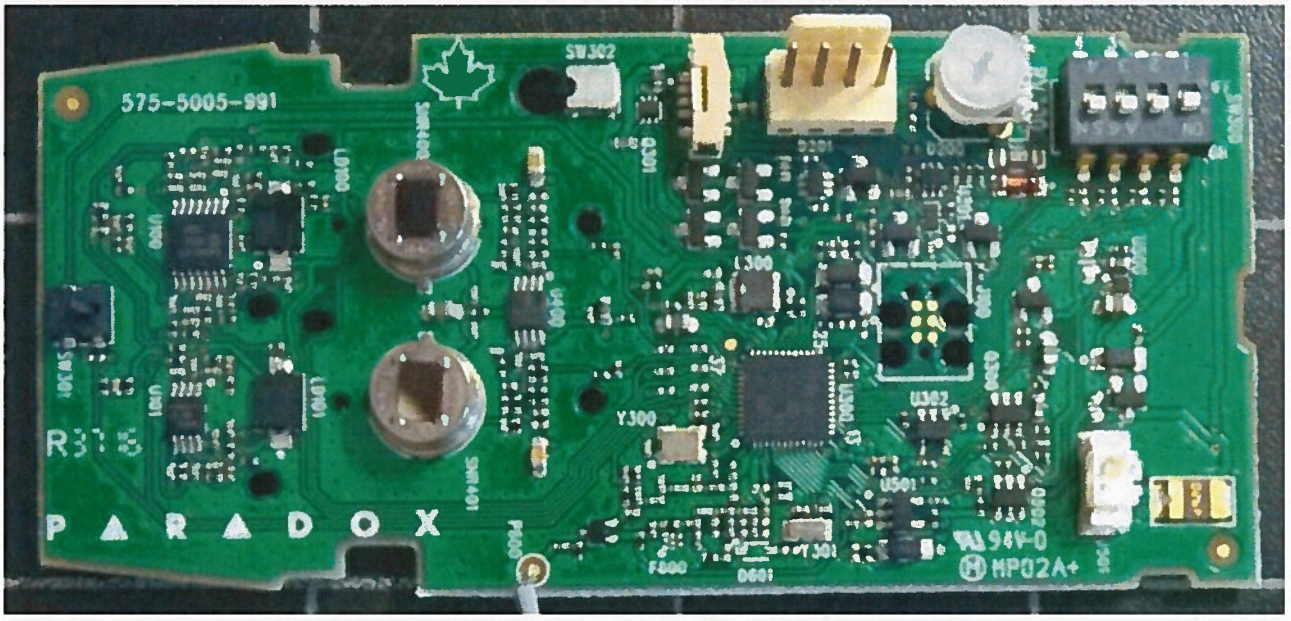
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NV75MR board

Before conditioning



After SO2 conditioning



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D. TESTS ACCORDING TO EN50131-2-4 *ESSAIS SELON EN50131-2-4*

Summary of test results *Résumé des résultats*

P : Pass *réussi* F: Fail *échec* NA: Not Applicable *non applicable*
NP: Not Performed *non réalisé* NTR: No test required, see result on base product *essai non requis*

Subject *Objet*	**§**	**NV75MW**	**Rem.**
Security grade *Grade de sécurité*		3	
Environmental classification and conditions *Classification et conditions d'environnement*	4.7		
Environmental classification *Classification d'environnement*	4.7.1	II	
Testing *Essais*	6		
Tamper security *Sécurité contre la fraude*	6.7		
Resistance to and detection of unauthorised access to the inside of the detector through covers and existing holes *Résistance et détection d'accès non autorisés à l'intérieur du détecteur à travers l'enveloppe ou par des trous existants*	6.7.1	P	
Detection of detector masking *Détection de masquage du détecteur* (grades 3 and 4)	6.7.5	P	1
Environmental classification and conditions *Classification et conditions d'environnement*	6.9		
Endurance	6.9 T8		
SO2 corrosion (classes II, III and IV) *Corrosion SO_2 (classes II, III et IV)*	6.9 T8	P	

Remark:

2. Material number 1 only.

§6.9 T8 SO2 corrosion, endurance

The test has been performed according to EN60068-2-42:1982 with the requirements of EN50130-5 §17.

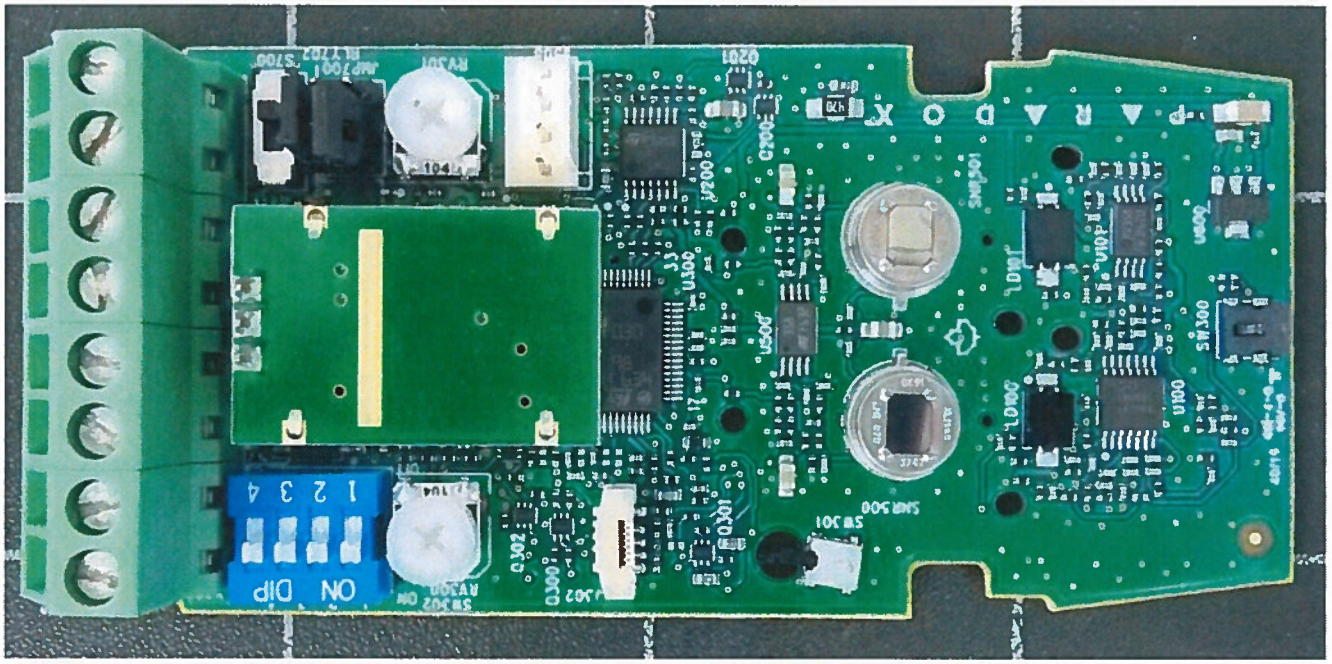
	II
Temperature	+25°C
RH	93%
SO_2 concentration (vol/vol)	25 ppm
Duration	4 days

Reduced functional test before conditioning: **OK**
No signs of mechanical damage after conditioning: **OK**
Reduced functional test after conditioning: **OK**
§6.7.1. Resistance to and detection of unauthorised access to the inside of the detector through covers and existing holes: **OK**
§6.7.5. Detection of detector masking (material 1): **OK**

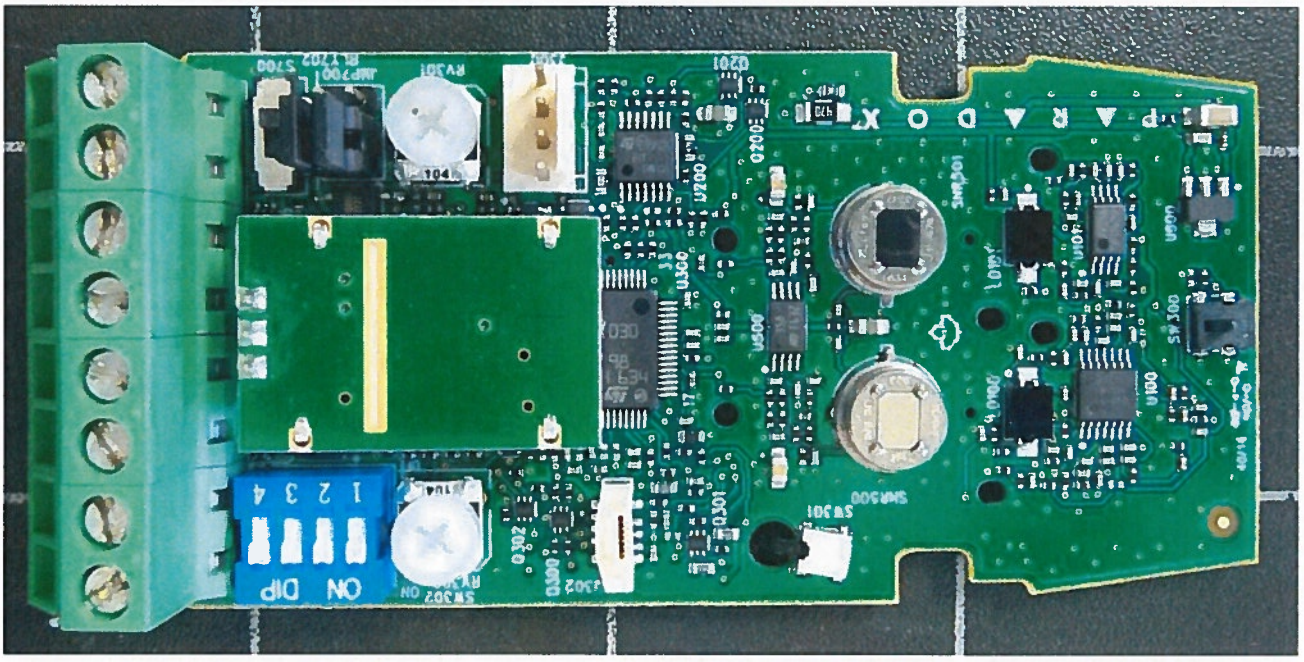
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NV75MW board

Before conditioning



After SO2 conditioning



E. MODIFICATIONS DURING THE TESTS :

- None