

File Number **24/36405327**

TEST REPORT

Radiofrequency

Petitioner's Reference:		Lock Up Smart Doors S.L.	
Company Address:		Escritor Jeronimo Tristante, N10, 3B. 30100- Murcia – Spain.	
Represented by:		Juan Jesús Pinuaga Cascales	
PMN:		Wi-Fi Extender	
Brand:	OPERTO	HMN:	OC1-EXT
Sample #1:	45013	Applus Id:	22053-00002
Sample #2:	42622	Applus Id:	22053-00001

Test Manager: Javier Miguel Nadales Lisbona

Date of issue: Bellaterra, December 12, 2024

EMC & Wireless Technical Manager
Electrical and Electronics
LGAI Technological Center S.A.

1 REPORT SUMMARY

Description	Sample #
EQUIPMENT PHOTOS	#1, #2
47 CFR 15.247 – BTLE	#1, #2
47 CFR 15.31 – Composite System	#2

Table 1: Description

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

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3 GENERAL INFORMATION

3.1 OBJECTIVE

The purpose of this document is to collect the photographs taken of the equipment under test, its auxiliary equipment and the assembly photographs used to performance the certification process.

The following table lists each of the following sections with the file number of the corresponding test reports:

Section	File number
47 CFR 15.247 – BTLE	24/36405324
47 CFR 15.31 – Composite System	24/36405323

Table 2: Relations

3.2 TEST FACILITIES ID

TEST FACILITIES ID	
FCC Test Firm Registration Number:	507478
ISED Assigned Code:	5766A
CABID	ES0001

Table 3: Test facilities ID

3.3 COMPETENCES AND GUARANTEES

LGAI Technological Center, S.A. is a testing laboratory accredited by the National Accreditation Body (ENAC -Entidad Nacional de Acreditación), to perform the tests indicated in the Certificate No. 9/LE894.

In order to assure the traceability to other national and international laboratories, Applus+ Laboratories has a calibration and maintenance program for its measurement equipment.

Applus+ Laboratories guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at Applus+ Laboratories at the time of performance of the test.

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4 PHOTOS

4.1 EQUIPMENT PHOTOS

4.1.1 Samples




Sample #1	
	
Front View	Back View
<div><div><div>Applus⁺ laboratories</div><div>ID Submuestra: 22053-00002</div><div></div></div><div><div>Ciente: SHERPA CERTIFICATION S.L</div><div>Código Oferta: 5810210610_12_590091</div><div>Fecha Recepción: 07-03-2024</div><div>Marca Muestra: Modelo:</div><div>Nº de Serie:</div></div></div>	
Applus ID	

Table 4: Sample #1 description




Sample #2	
	
Front View	Back View
<div><div><div>Applus⁺ laboratories</div><div>ID Submuestra: 22053-00001</div><div></div></div><div><div>Cliente: SHERPA CERTIFICATION S.L</div><div>Código Oferta: 5810210610_12_590091</div><div>Fecha Recepción: 07-03-2024</div><div>Marca Muestra: Modelo:</div><div>Nº de Serie:</div></div></div>	
Applus ID	

Table 5: Sample #2 description

4.1.2 Auxiliary Equipment




Auxiliary Equipment				
		<div><div>Applus⁺ laboratories</div><div>ID Submuestra: 22053-00007</div><div></div></div> <div><div>Cliente: SHERPA CERTIFICATION S.L</div><div>Código Oferta: 5810210610_12_590091</div><div>Fecha Recepción: 07-03-2024</div><div>Marca Muestra: Modelo:</div><div>Nº de Serie:</div></div>		
Auxiliary Equipment 0		Applus ID		
				
Auxiliary Equipment 1		Applus ID		
Description	Port #	Name	Type	Comments
	0	Programming Board	PCB	Provided by Customer
	1	Programmer Wire	Cable	Provided by Customer

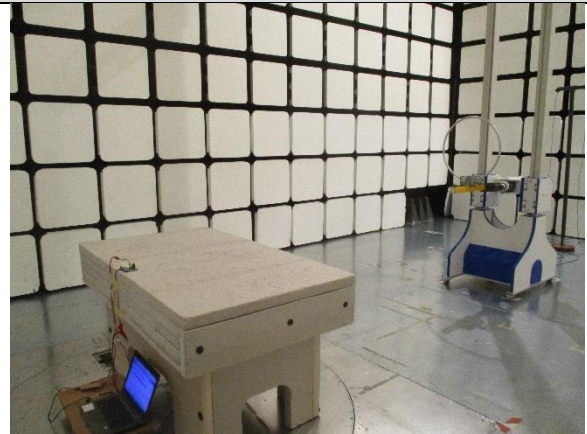
Table 6: Auxiliary equipment #1 description

4.1.3 DUT Modifications performed

No modifications have been performed.

4.2 47 CFR 15.247 – BTLE

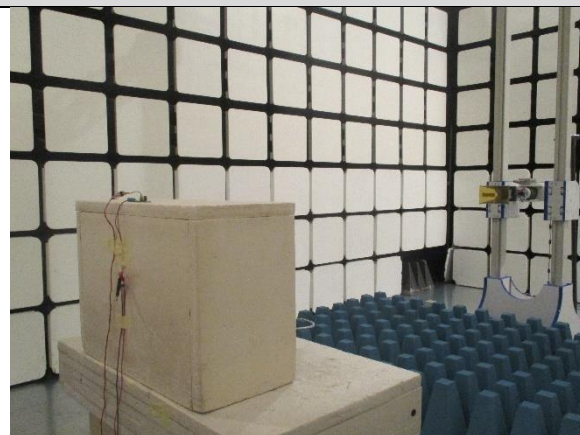
Radiated -Test set up



Radiated emission - 9 kHz – 30 MHz



Radiated emission - 30 MHz – 1GHz



Radiated emission – 1 GHz – 18 GHz



Radiated emission – 18 GHz – 26 GHz

Table 7. Test set up – Radiated Measurements

CONDUCTED TEST SETUP

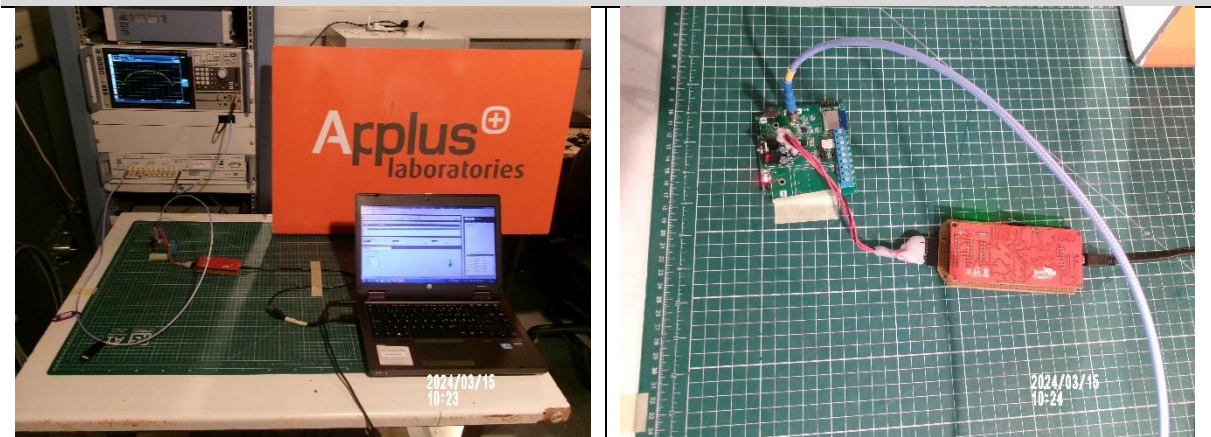


Table 8. Test set up – Conducted Measurements

4.3 47 CFR 15.31 – Composite System

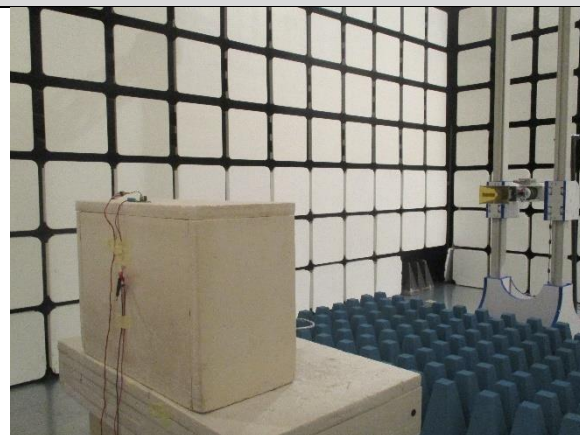
Radiated -Test set up



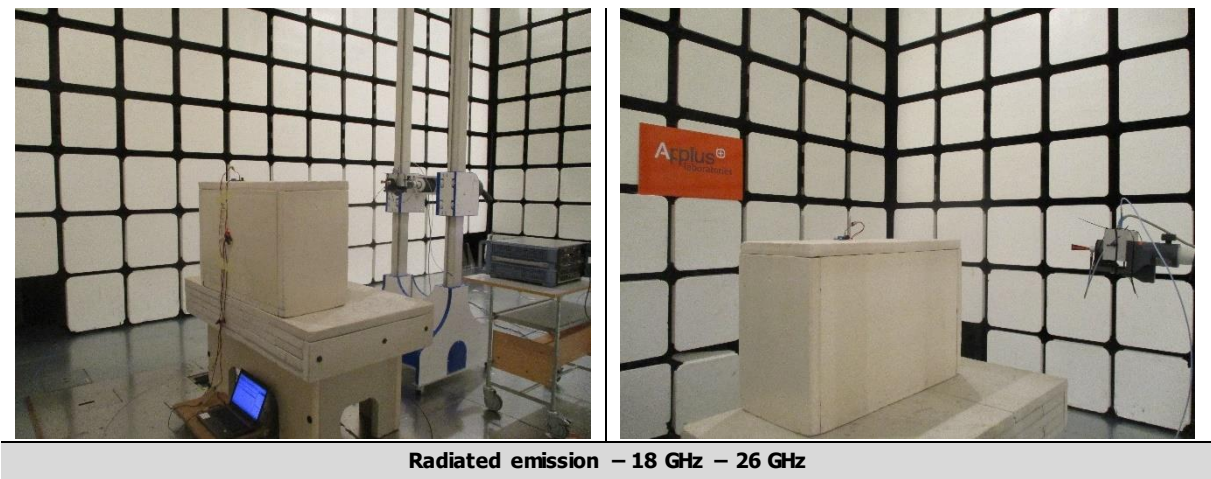
Radiated emission - 9 kHz – 30 MHz



Radiated emission - 30 MHz – 1GHz



Radiated emission – 1 GHz – 18 GHz



Radiated emission - 18 GHz - 26 GHz
Table 9. Test set up - Radiated Measurements