

File Number **24/36403478M2****TEST REPORT**
Radiofrequency**Petitioner's Reference:** Verisure Sàrl

Company Address: Chemin Jean-Baptiste Vandelle 3, Versoix, Geneva, Switzerland

Represented by: James Barnett

PMN: Wi-Fi Extender

Brand: Verisure HMN: GWL-WXTND 489937

Sample #1: 3N75 UMVP Applus Id: 25556-0001

Sample #2: 3N75 UKDZ Applus Id: 25556-0002

Sample #3: 3N75 UKMW Applus Id: 25556-0003

Sample #4: 3N75 UJ5U Applus Id: 25556-0004

Modification Description: M2

This report replaces and supersedes the report 24/36403478M1 dated on October 2, 2024.

Modifications performed: File numbers from table 2 are updated. Page 4

It is responsibility of the petitioner to replace the previous version with this one.**Test Manager:** Javier Miguel Nadales Lisbona**Date of issue:** Bellaterra, October 20, 2024EMC & Wireless 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, and tested under conditions stipulated in this document. The equipment has been tested under conditions stipulated by standard(s) quoted in this document. This document will not be reproduced otherwise than in full.
This is the first page of the document, which consists of 23 pages.

1 REPORT SUMMARY

Description	Sample #
EQUIPMENT PHOTOS	#1, #2, #3, #4
47 CFR 15 Subpart B - EMC	#2
47 CFR 15.247 – WiFi2G4	#1, #2
47 CFR 15.247 – ISM	#3, #4
47 CFR 15.407 – WiFi5G	#1, #2
47 CFR 15.31 – Composite System	#1, #2

Table 1: Description

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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 OBJETIVE

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 Subpart B	24/36403473M2
47 CFR 15.247 – WiFi2G4	24/36403475M1
47 CFR 15.247 – ISM	24/36403476M2
47 CFR 15.407 – WiFi5G	24/36403477M1
47 CFR 15.31 – Composite System	24/36403479M1

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	
	
Back View	Manufacturer Label
Applus⁺ laboratories ID Submuestra: 25556-00001  Ciente: VERISURE S&RL Código Oferta: Fecha Recepción: 12-12-2023 Marca Muestra: Modelo: Nº de Serie:	
Applus ID	

Table 4: Sample #1 description

Sample #2	
	
Front View	Back View
	Applus⁺ laboratories ID Submuestra: 25556-00002  Cliente: VERISURE SÀRL Código Oferta: Fecha Recepción: 12-12-2023 Marca Muestra: Modelo: Nº de Serie:
Manufacturer Label	Applus ID

Table 5: Sample #2 description

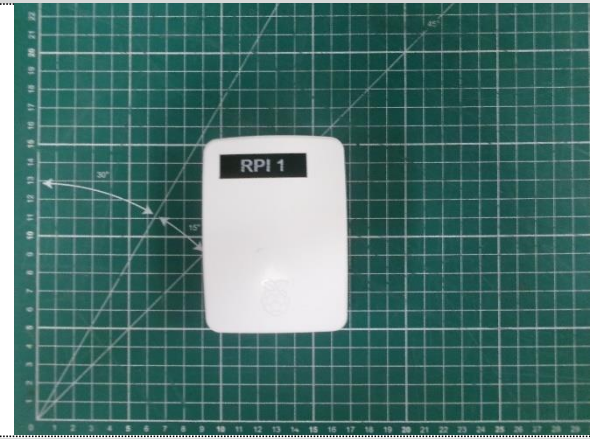
Sample #3	
	
Back View	Manufacturer Label
Applus⁺ laboratories ID Submuestra: 25556-00003  Ciente: VERISURE SÂRL Código Oferta: Fecha Recepción: 12-12-2023 Marca Muestra: Modelo: Nº de Serie:	
Applus ID	

Table 6: Sample #3 description

Sample #4	
	
Front View	Back View
	Applus⁺ laboratories ID Submuestra: 25556-00004  Ciente: VERISURE S&RL Código Oferta: Fecha Recepción: 12-12-2023 Marca Muestra: Modelo: Nº de Serie:
Manufacturer Label	Applus ID

Table 7: Sample #4 description

4.1.2 Auxiliary Equipment

Auxiliary Equipment	
	Applus⁺ laboratories ID Submuestra: 25556-00005 AUX:  Cliente: VERISURE SÂRL Código Oferta: Fecha Recepción: 12-12-2023 Marca Muestra: Modelo: Nº de Serie:
Auxiliary Equipment 0	Applus ID
	Applus⁺ laboratories ID Submuestra: 25556-00006 AUX:  Cliente: VERISURE SÂRL Código Oferta: Fecha Recepción: 12-12-2023 Marca Muestra: Modelo: Nº de Serie:
Auxiliary Equipment 1	Applus ID
	Applus⁺ laboratories ID Submuestra: 25556-00007 AUX:  Cliente: VERISURE SÂRL Código Oferta: Fecha Recepción: 12-12-2023 Marca Muestra: Modelo: Nº de Serie:
Auxiliary Equipment 2	Applus ID



Applus⁺
laboratories

ID Submuestra: 25556-00009



Cliente: VERISURE SÂRL

Código Oferta:

Fecha Recepción: 12-12-2023

Marca Muestra: Modelo:

Nº de Serie:

Auxiliary Equipment 3			Applus ID	
Description	Port #	Name	Type	Comments
	0	AC/DC Adapter	Power supply	Provided by customer
	1	AC/DC Adapter	Power supply	Provided by customer
	2	Rpi	Radio communications	Provided by customer
	3	Screen	Radio communications	Provided by Applus

Table 8: Auxiliary equipment description

4.1.3 DUT Modifications performed

No modifications have been performed.

4.2 47 CRF 15 Subpart B – EMC



Table 9. Test set up – Radiated Measurements

POWER LINE CONDUCTED EMISSIONS – TEST SETUP

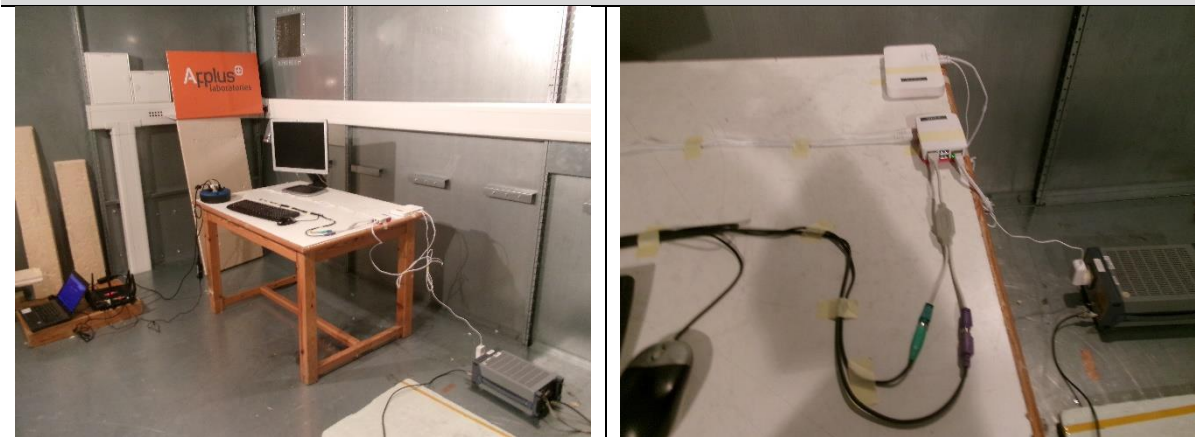


Table 10: Test set-up. Power line conducted emissions

4.3 47 CFR 15.247 – WiF2G4

Radiated -Test set up



Radiated emission - 9 kHz – 30 MHz



Radiated emission - 30 MHz – 1GHz



Radiated emission – 1 GHz – 18 GHz

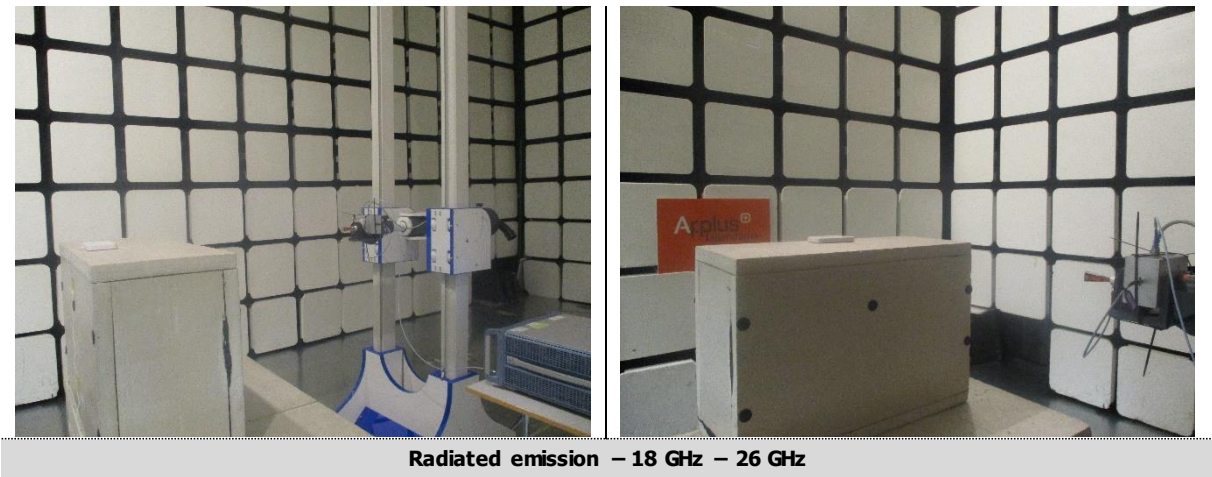
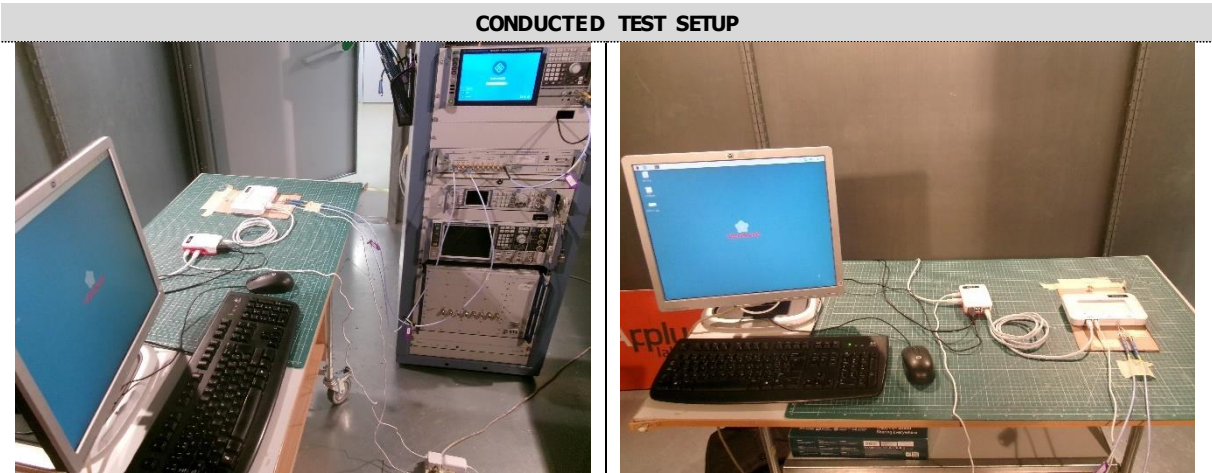


Table 11. Test set up – Radiated Measurements



4.4 47 CFR 15.247 – ISM

Radiated -Test set up



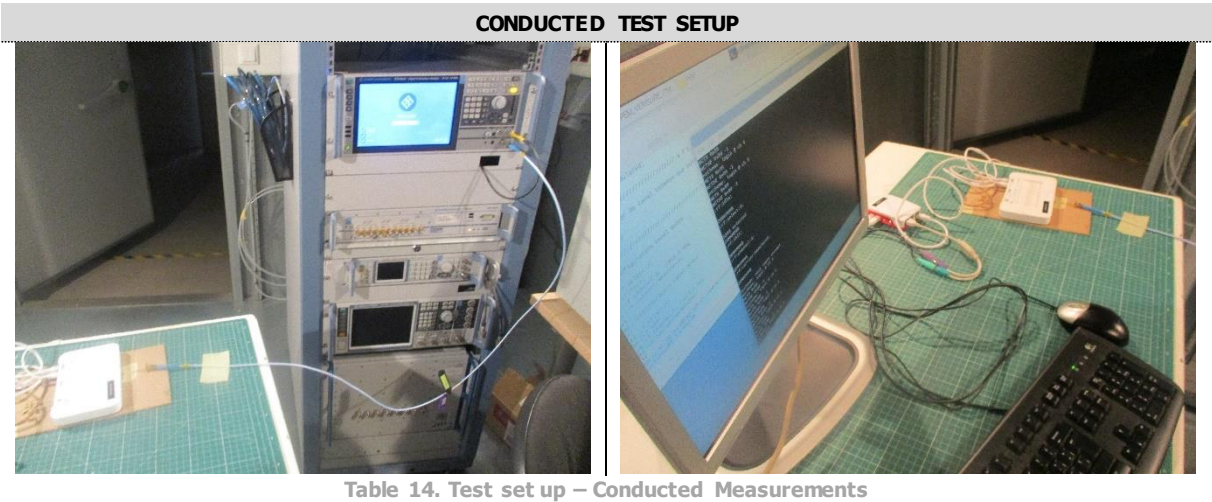
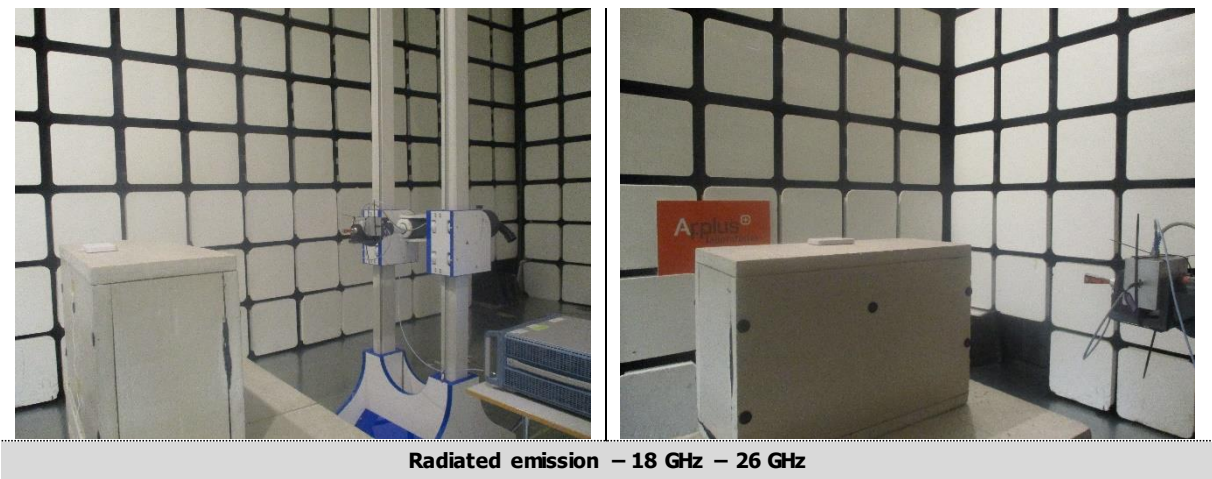
Radiated emission - 9 kHz – 30 MHz



Radiated emission - 30 MHz – 1GHz



Radiated emission – 1 GHz – 18 GHz



4.5 47 CFR 15.407 – WiF5G

Radiated -Test set up



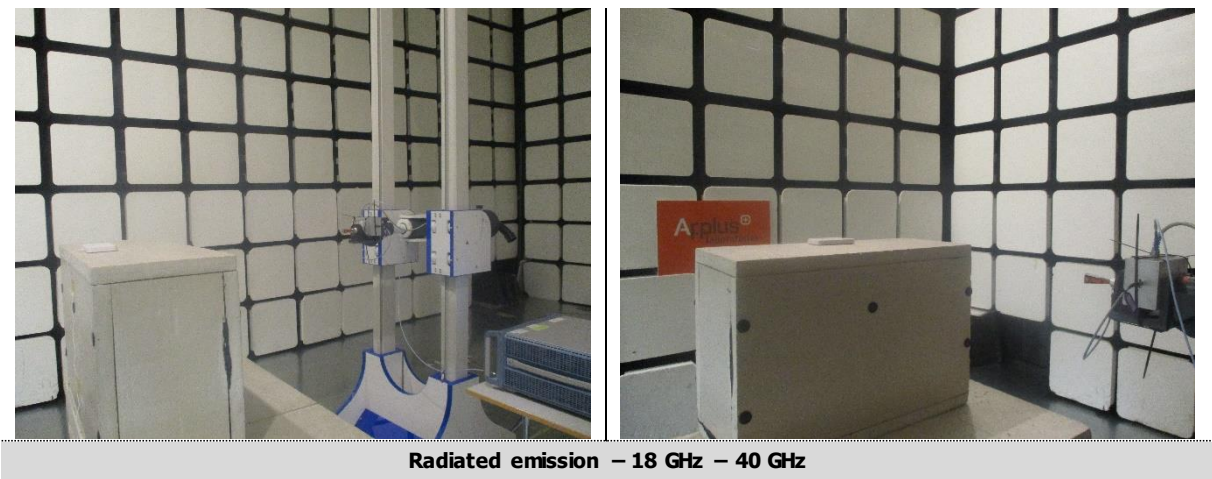
Radiated emission - 9 kHz – 30 MHz



Radiated emission - 30 MHz – 1GHz



Radiated emission – 1 GHz – 18 GHz



Radiated emission – 18 GHz – 40 GHz
Table 15. Test set up – Radiated Measurements

CONDUCTED TEST SETUP

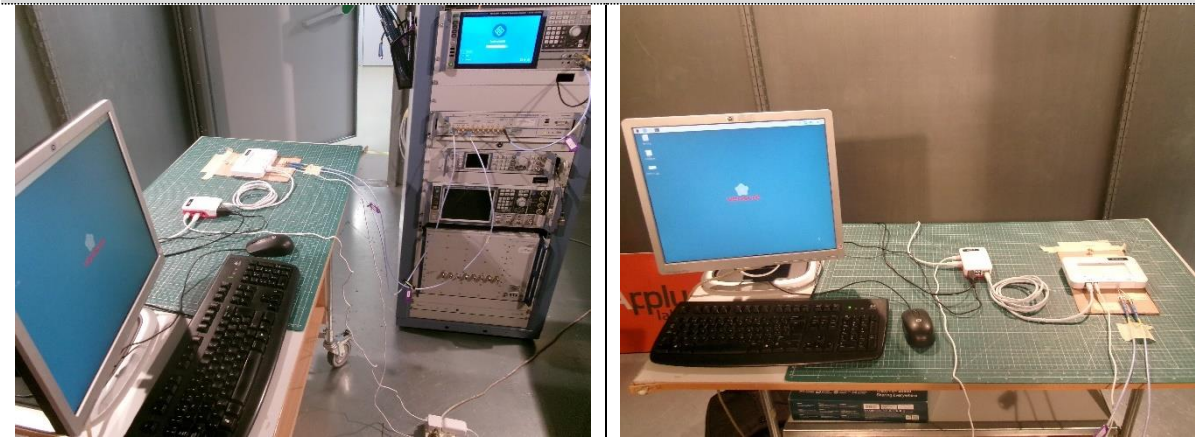


Table 16. Test set up – Conducted Measurements

CONDUCTED DFS TEST SETUP

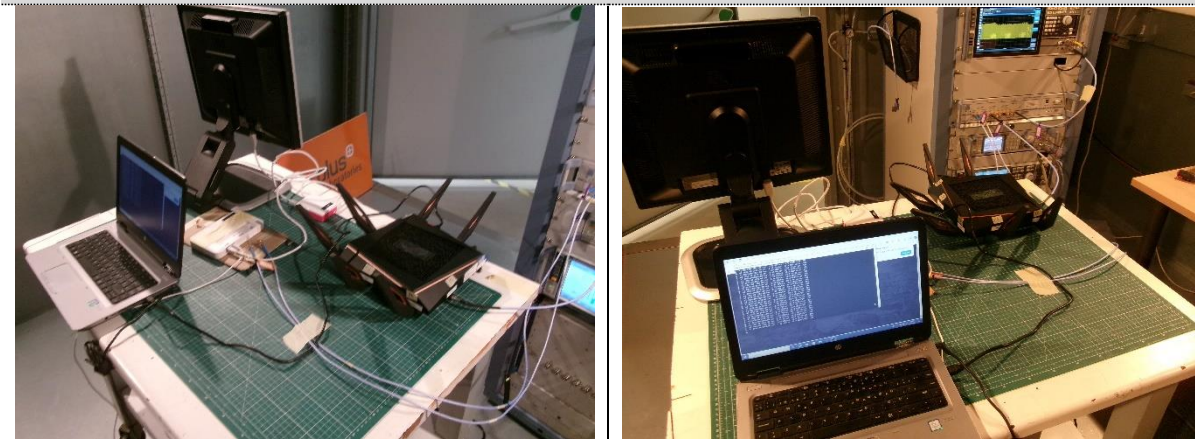


Table 17. Test set up – Conducted DFS Measurements

4.6 47 CFR 15.31 – Composite System

Radiated -Test set up



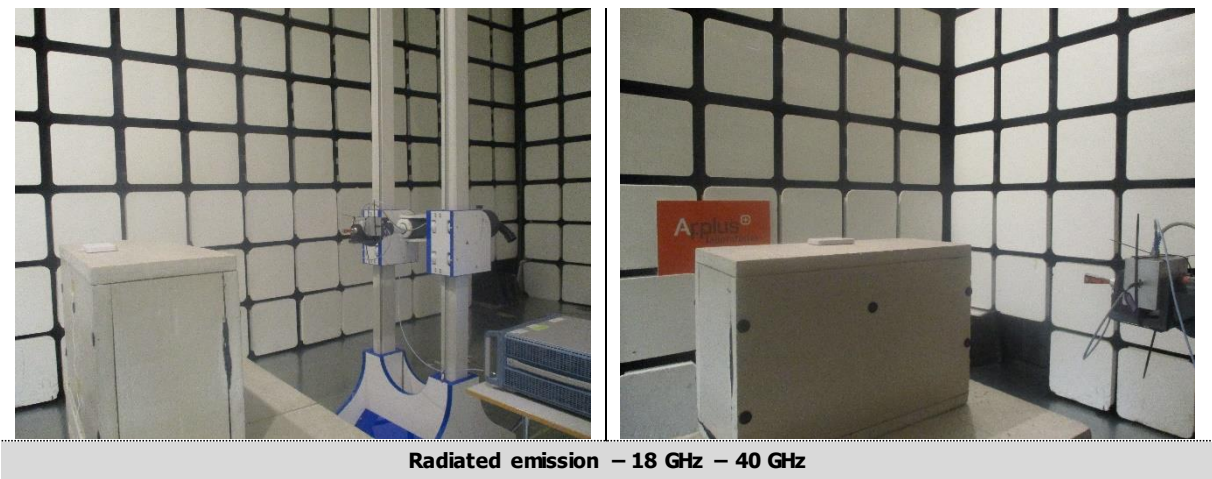
Radiated emission - 9 kHz – 30 MHz



Radiated emission - 30 MHz – 1GHz



Radiated emission – 1 GHz – 18 GHz



Radiated emission – 18 GHz – 40 GHz
Table 18. Test set up – Radiated Measurements