

RF TEST REPORT

Report number		RAPA22-O-053		
	Name	Innonet Co., Ltd.		
Applicant	Logo	N/A		
	Address	Building C, Office 417, Munjeong Hyundai Knowledge Industry Center, 7, Beobwon-ro 11-gil, Songpa-gu, Seoul 05836		
Manufastura	Name	Innonet Co., Ltd.		
Manufacturer	Address	Building C, Office 417, Munjeong Hyundai Knowledge Industry Center, 7, Beobwon-ro 11-gil, Songpa-gu, Seoul 05836		
Type of equipment		Fixed TVWS Gateway		
Basic mode	el name	BUHST10		
Multi mode	l name	N/A		
Serial nu	mber	N/A		
FCC ID		2A9R3-BUHST10		
Test duration		December 1, 2022 to December 26, 2022		
Date of issue		December 27, 2022		
Total page		35 Pages (including this page)		

SUMMARY

The equipment complies with the regulation; FCC Part 15 Subpart H

This test report only contains the result of a single test of the sample supplied for the examination. It is not a general valid assessment of the features of the respective products of the mass-production.

December 27, 2022

December 27, 2022

2.27

Tested by MinGu Ji Tester

류우열

Reviewed by Wooyeol- Ryu Executive Manager



Test Report Version History

Version	Date	Reason for revision
1.0	December 27, 2022	Original Document





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1. Description of EUT

1.1 Applicant

Company name	: Innonet Co., Ltd.
 Address 	: Building C, Office 417, Munjeong Hyundai Knowledge Industry Center, 7, Beobwon-ro 11-gil,
	Songpa-gu, Seoul 05836
 Contact person 	: Tae Hyun Kim / Researcher / thkim@innonet.net
Phone/Fax	: +82-2-406-8849 / +82-2-3012-8101

1.2 Manufacturer

Company name	: Innonet Co., Ltd.
Address	: Building C, Office 417, Munjeong Hyundai Knowledge Industry Center, 7, Beobwon-ro 11-gil,
	Songpa-gu, Seoul 05836
 Phone/Fax 	: +82-2-406-8849 / +82-2-3012-8101

1.3 Basic description

 Product name 	: Fixed TVWS Gateway
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- Basic model name : BUHST10
- Alternative model name : N/A

1.4 General description

• EQUIPMENT CLASS : WGF – White Space Device with Geo-location - Fixed

: 23.33 dBm

- Frequency Range : 470 MHz ~ 698 MHz
- Output Power
- Modulation Type
 : QPSK
- Antenna Type
 Patch Antenna
- Antenna Gain : 8.28 dBi
- Power Supply : DC 24.0 V

Start of Frequency range, MHz	End of Frequency range, MHz	Frequency range Bandwidth, MHz	Channel size, MHz	Low channel	Mid channel	High channel
470	698	228	6	473	587	695
			12	476	584	692

1.5 Alternative type(s)/model(s)

There is no alternative type(s) and/or model(s).



2. General information of test

2.1 Test standards and results

Applied Standards : FCC Part 15 Subpart H				
Section	Section Description of Test			
ANSI 63.10 6.9.3	99 % Occupied Bandwidth	Pass		
15.709 (b) (ii)	OUTPUT POWER AND POWER SPECTRAL DENSITY	Pass		
15.709 (d)	BAND-EDGE and ADJACENT CHANNEL EMISSIONS	Pass		
15.709 (d)	Radiated Emission which fall in the Restricted Band	Pass		
15.207	Conducted Limits	Pass		
15.209	Radiated Emission Limits	Pass		
15.203	Antenna Requirement	Pass		

2.2 Description of EUT during the test

During the test, keep the EUT in continuously transmitting mode.

There was no mechanical or circuitry modification to improve RF and spurious characteristic, and any RF and spurious suppression device(s) was not added against the device tested.

The EUT was moved throughout the X, Y, and Z axis and worst case data was recorded in this report. The BT module((2AUUG-BOT-CLE310) used a certified module.

2.3 Test configuration

Type of peripheral equipment used

Model	Manufacturer	Description	Connected to
TVWS-GW-PSU	Innonet Co., Ltd.	AC/DC Adapter	EUT
EliteBook 8570p	HP	Notebook	EUT
PA-1900-32HT	LITE-ON TECHNOLOGY(CHANGZHOU_Co., Ltd.	Power Adapter	Notebook

2.4 Test Facility

• FCC Registration No: 931589

• IC Company address code: 9355B

RRA Designation Number: KR0027

Place of Test

<u>Anyang Test Site(RF Test Room)</u> #101 & B104 Anyang Megavalley, 268, Hagui-ro, Dongan-gu, Anyang-si, Gyeonggi-do, 14056, Korea



2.5 PRELIMINARY TEST

2.5.1 AC Power line Conducted Emissions Tests

Operation Mode	The Worse operating condition (Please check one only)		
Transmitting mode.	Х		

2.5.2 General Radiated Emissions Tests

During Preliminary Tests, the following operating modes were investigated

Operation Mode	The Worse operating condition (Please check one only)
Transmitting mode.	Х



3. Measurement data

3.1 Occupied bandwidth

3.1.1 Requirement

• FCC Part15 subpart H , ANSI 63.10 6.9.3

3.1.2 Test Procedure



The occupied bandwidth or the "99% emission bandwidth" is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained.

3.1.3 Test environment

• 22 °C, 43 % R.H.

3.1.4 Test results

3.1.4.1 BW : 6 MHz

Frequency [MHz]		Measured Value [MHz]	Limit [dBm]	Result
Low	473	4.81	6.00	
Middle	587	4.81	6.00	PASS
High	695	4.81	6.00	

3.1.4.2 BW : 12 MHz

Frequen	cy [MHz]	Measured Value [MHz]	Limit [dBm]	Result
Low	476	6.44 12.00		
Middle	584	6.44	12.00	PASS
High	692	6.43	12.00	



3.1.5 Test Plots





















3.2 OUTPUT POWER AND POWER SPECTRAL DENSITY

3.2.1 Requirement

• FCC Part15 subpart H Section 15.709

3.2.2 Test Procedure



EIRP (6 MHz)	Conducted power limit ¹ (6 MHz)	Conducted PSD limit (100 kHz)	Conducted adjacent channel emission limit (100 kHz)
16 dBm (40 mW)	10 dBm (10 mW)	-7.4 dBm	-62.8 dBm
20 dBm (100 mW)	14 dBm (25 mW)	-3.4 dBm	-58.8 dBm
24 dBm (250 mW)	18 dBm (63 mW)	0.6 dBm	-54.8 dBm
28 dBm (625 mW)	22 dBm (158 mW)	4.6 dBm	-50.8 dBm
32 dBm (1600 mW)	26 dBm (400 mW)	8.6 dBm	-46.8 dBm
36 dBm (4000 mW)	30 dBm (1000 mW)	12.6 dBm	-42.8 dBm
40 dBm (10000 mW)	30 dBm (1000 mW)	12.6 dBm	-42.8 dBm

¹The conducted power spectral density from a fixed white space device shall not be greater than the values shown in the table when measured in any 100 kHz band during any time interval of continuous transmission, except that a 40 mW fixed white space device operating in a four megahertz channel within a seven megahertz guard band must comply with a conducted power spectral density limit of -5.4 dBm.

3.2.3 Test environment

• 22 °C, 43 % R.H.



3.2.4 Test results

• 3.2.4.1 Output Power Results(6 MHz)

Freque [MH	ency Iz]	Measured Value [dBm]	Limit [dBm/6 MHz]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit dBm/6 MHz	Result
Low	473	23.33	27.72	8.28	31.61	36.00	
Middle	587	22.24	27.72	8.28	30.52	36.00	PASS
High	695	22.56	27.72	8.28	30.84	36.00	

• 3.2.4.2 PSD Results(6 MHz)

Frequency [MHz]		Measured Value [dBm]	Limit [dBm]	Result
Low	473	9.35	10.00	
Middle	587	9.37	10.00	PASS
High	695	8.03	10.00	

• <u>3.2.4.3 Output Power Results(12 MHz)</u>

Freque [MH	ency lz]	Measured Value [dBm]	Limit [dBm/6 MHz]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit dBm/6 MHz	Result
Low	476	19.35	27.72	8.28	27.63	36.00	
Middle	584	19.44	27.72	8.28	27.72	36.00	PASS
High	692	19.81	27.72	8.28	28.09	36.00	

• 3.2.4.4 PSD Results(12 MHz)

Frequency [MHz]		Measured Value [dBm]	Limit [dBm]	Result
Low	476	4.73	10.00	
Middle	584	5.33	10.00	PASS
High	692	4.72	10.00	



3.1.5 Test Plots











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3.3 band edge and adjacent channel power

3.3.1 Requirement

• FCC Part15 subpart H Section 15.709 (d)

3.3.2 Test Procedure



(1) The adjacent channel emission limits apply in the six-megahertz channel immediately adjacent to each white space channel or group of contiguous white space channels in which the white space device is operating. Fixed devices with 36 dBm EIRP: -42.8 dBm/100 kHz conducted power.

(2) At frequencies beyond the six-megahertz channel immediately adjacent to each white space channel or group of contiguous white space channels in which the white space device is operating the white space device shall meet the requirements of §15.209.

(3) Emission measurements in the adjacent bands shall be performed using a minimum resolution bandwidth of 100 kHz with an average detector. A narrower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 100 kHz. (b)(1)(ii) For operation at EIRP levels of 36 dBm (4,000 mW) or less, fixed white space devices may operate at EIRP levels between the values shown in the table in paragraph (b)(1)(iii) of this section provided that the conducted power and the conducted power spectral density (PSD) limits are linearly interpolated between the values shown and the adjacent channel emission limit of the higher value shown in the table is met. Operation at EIRP levels above 36 dBm (4,000 mW) shall follow the requirements for 40 dBm (10,000 mW).

3.3.3 Test environment

• 22 °C, 43 % R.H.



3.3.4 Test results

• 3.3.4.1 Lower Band-Edge(6 MHz)

Frequency [MHz]		Measured Value [dBm]	Limit [dBm]	Result
Low	470	-46.88	-42.80	
Middle	584	-45.52	-42.80	PASS
High	692	-50.42	-42.80	

• 3.3.4.2 Upper Band-Edge(6 MHz)

Frequency [MHz]		Measured Value [dBm]	Limit [dBm]	Result
Low	476	-48.52	-42.80	
Middle	590	-45.34	-42.80	PASS
High	698	-51.40	-42.80	

• 3.3.4.3 Lower Band-Edge(12 MHz)

Frequency [MHz]		Measured Value [dBm]	Limit [dBm]	Result
Low	470	-50.63	-42.80	
Middle	578	-51.75	-42.80	PASS
High	686	-52.00	-42.80	

• 3.3.4.4 Upper Band-Edge(12 MHz)

Frequency [MHz]		Measured Value [dBm]	Limit [dBm]	Result
Low	482	-49.97	-42.80	
Middle	590	-51.27	-42.80	PASS
High	698	-51.42	-42.80	



3.3.4 Test Plots

















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3.4 Radiated Emission

3.4.1 Requirement

• FCC Part15 subpart H Section 15.709 (d)

3.4.2 Test Procedure

The radiated emissions measurements were performed on the 3 m anechoic chamber. The EUT was placed on a non-conductive turntable above the ground plane. The frequency spectrum from 30 kHz to 7.0 GHz was scanned and maximum emission levels at each frequency recorded. The system was rotated 360°, and the antenna was varied in the height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna.

3.4.3 Test environment

• 22 °C, 43 % R.H.

3.4.4 Test results

3.4.4.1 Spurious Radiated Emission

3.4.4.1.1 Test Data for Below 30 MHz

Detector	: Quasi-Peak (6 dB Bandwidth: 200 Hz, 9 kHz)
 Measurement distance 	: 3 m
 Frequency range 	: 9 kHz ~ 30 MHz
 Operating Condition 	: Highest Output Power Transmitting Mode
•.Result	: PASS

Frequency	Reading	Ant. Pol.	Ant. Factor	Cable	Amp	Emission	Limits	Margin	
(MHz)	(dBµV)	(H/V)	(dB/m)	Loss	Gain	Level(dBµV/m)	(dBµV/m)	(dB)	
Emissions observed were 20dB below the limit and thus not reported									



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3.4.4.1.2 Test Data for 30 MHz ~ 1000 MHz

•. Detector

•.Result

- •.Measurement distance : 3 m
- •.Frequency range
- : 30 MHz ~ 470 MHz •.Operating Condition
 - : Highest Output Power Transmitting Mode

: Quasi-Peak (6 dB Bandwidth: 120 kHz)

: PASS



RE Test Report

Frequency	QuasiPeak	Limit	Margin	Meas. Time	Height	Pol	Azimuth	Corr.
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	(ms)	(cm)		(deg)	(dB)
34.57	15.67	40.00	24.33	15000.0	400.1	Н	262.0	-12.9
37.15	20.77	40.00	19.23	15000.0	200.3	V	73.0	-12.7
69.33	19.37	40.00	20.63	15000.0	200.3	V	73.0	-13.1
74.99	13.76	40.00	26.24	15000.0	300.3	Н	260.0	-14.1
80.55	15.04	40.00	24.96	15000.0	99.9	V	22.0	-15.7
251.49	29.69	46.00	16.31	15000.0	200.1	Η	123.0	-9.1



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- •. Detector
- •.Measurement distance
- •.Frequency range
- •.Operating Condition
- •.Result



: Highest Output Power Transmitting Mode

: Quasi-Peak (6 dB Bandwidth: 120 kHz)

: PASS

: 3 m



RE Test Report

Frequency	QuasiPeak	Limit	Margin	Meas. Time	Height	Pol	Azimuth	Corr.
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	(ms)	(cm)		(deg)	(dB)
477.77	26.67	46.00	19.33	15000.0	199.9	V	0.0	-4.5
522.31	25.14	46.00	20.86	15000.0	199.9	V	353.0	-3.5
565.74	30.25	46.00	15.75	15000.0	400.3	Н	138.0	-2.3
860.22	32.75	46.00	13.25	15000.0	199.9	V	118.0	4.4
881.90	35.55	46.00	10.45	15000.0	199.9	V	196.0	4.7
947.27	34.23	46.00	11.77	15000.0	199.9	V	358.0	5.9



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- •. Detector
- •.Measurement distance
- •.Frequency range
- •.Operating Condition
- •.Result



: Highest Output Power Transmitting Mode

: Quasi-Peak (6 dB Bandwidth: 120 kHz)

: PASS

: 3 m



RE Test Report

Preview Result 1V-PK+
 Critical_Freqs PK+
 Final_Result QPK
 Preview Result 1H-PK+
 30 MHz ~ 1 000 MHz_FCC_CLASS B

Frequency	QuasiPeak	Limit	Margin	Meas. Time	Height	Pol	Azimuth	Corr.
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	(ms)	(cm)		(deg)	(dB)
32.01	16.18	40.00	23.82	15000.0	299.7	V	65.0	-13.0
37.69	15.76	40.00	24.24	15000.0	299.7	V	65.0	-12.7
52.78	17.06	40.00	22.94	15000.0	200.1	Н	98.0	-11.9
57.91	16.47	40.00	23.53	15000.0	99.8	Н	259.0	-11.9
58.67	16.12	40.00	23.88	15000.0	400.0	Η	92.0	-11.9
65.46	22.11	40.00	17.89	15000.0	400.2	V	257.0	-12.6
73.35	16.86	40.00	23.14	15000.0	400.2	V	257.0	-13.8
77.16	19.47	40.00	20.53	15000.0	400.2	V	64.0	-14.7
236.85	43.24	46.00	2.76	15000.0	200.1	Н	89.0	-9.9
238.30	43.04	46.00	2.96	15000.0	99.8	Н	93.0	-9.7
242.67	41.88	46.00	4.12	15000.0	99.8	Н	74.0	-9.4



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- •. Detector
- •.Measurement distance
- •.Frequency range
- •.Operating Condition
- •.Result



: Highest Output Power Transmitting Mode

: Quasi-Peak (6 dB Bandwidth: 120 kHz)

: PASS

: 3 m

RE Test Report



Frequency	QuasiPeak	Limit	Margin	Meas. Time	Height	Pol	Azimuth	Corr.
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	(ms)	(cm)		(deg)	(dB)
590.21	29.64	46.00	16.36	15000.0	200.0	V	2.0	-1.4
590.67	28.53	46.00	17.47	15000.0	200.0	V	2.0	-1.4
849.12	32.59	46.00	13.41	15000.0	99.8	V	305.0	4.2
880.90	35.43	46.00	10.57	15000.0	99.8	Н	61.0	4.8
935.43	34.19	46.00	11.81	15000.0	99.8	Н	337.0	5.9
953.31	34.67	46.00	11.33	15000.0	99.8	Н	345.0	6.0



- •. Detector
- : Quasi-Peak (6 dB Bandwidth: 120 kHz)
- Measurement distance
- •.Frequency range
- •.Operating Condition
- •.Result

- : Highest Output Power Transmitting Mode
- : PASS

: 30 MHz ~ 690 MHz

: 3 m

120 100 80 Level in dBµV/m 60 000 MH7 FC 40 In the plane 20 0-30M 50 60 80 100M 200 300 400 690M Frequency in Hz Preview Result 1V-PK+ Preview Result 1H-PK+

30 MHz ~ 1 000 MHz_FCC_CLASS B

RE Test Report

Final_Result

Critical_Freqs PK+ Final_Result QPK

Frequency	QuasiPeak	Limit	Margin	Meas. Time	Height	Pol	Azimuth	Corr.
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	(ms)	(cm)		(deg)	(dB)
36.35	14.44	40.00	25.56	15000.0	400.1	V	77.0	-12.8
37.18	15.25	40.00	24.75	15000.0	400.1	V	77.0	-12.7
74.22	15.57	40.00	24.43	15000.0	200.0	Н	314.0	-13.9
74.55	16.69	40.00	23.31	15000.0	400.1	V	81.0	-14.0
179.57	32.28	43.50	11.22	15000.0	99.8	V	290.0	-10.6
237.16	43.07	46.00	2.93	15000.0	99.8	V	146.0	-9.9
237.24	43.14	46.00	2.86	15000.0	99.9	H	80.0	-9.9



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- •. Detector
- •.Measurement distance
- •.Frequency range
- •.Operating Condition
- •.Result



: Highest Output Power Transmitting Mode

: Quasi-Peak (6 dB Bandwidth: 120 kHz)

: PASS

: 3 m



RE Test Report

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
791.80	31.16	46.00	14.84	15000.0	300.1	V	286.0	2.6
832.49	32.38	46.00	13.62	15000.0	99.9	H	179.0	3.7
864.33	32.98	46.00	13.02	15000.0	300.2	H	115.0	4.4
880.98	37.63	46.00	8.37	15000.0	200.0	V	64.0	4.7
925.83	34.41	46.00	11.59	15000.0	400.0	V	237.0	6.0
951.29	36.73	46.00	9.27	15000.0	400.0	V	45.0	6.0



3.4.4.1.3 Test Data for Avove 1 GHz

Detector	: Peak, Average (6 dB Bandwidth: 1 MHz)
 Measurement distance 	: 3 m
 Frequency range 	: 1 GHz ~ 7.0 GHz
 Operating Condition 	: Highest Output Power Transmitting Mode
•.Result	: PASS
•.Result	: PASS

•. 1 GHz ~ 7 GHz



EMI TEST Report

Critical_Freqs

Frequency	MaxPeak	Limit	Margin	Meas.	Height	Pol	Azimuth	Corr.
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	Time	(cm)		(deg)	(dB)
				(ms)				
1824.25	57.30	74.00	16.70		200.0	Н	249.0	-0.3
1825.00		54.00	6.69		300.0	Н	300.0	-0.3
2464.00	56.16	74.00	17.84		200.0	Н	80.0	2.2
2468.50	55.32	74.00	18.68		200.0	Н	359.0	2.3
2479.75		54.00	4.78		100.0	Н	234.0	2.3
4217.50	54.43	74.00	19.57		100.0	Н	51.0	10.3
4643.50		54.00	6.70		400.0	V	273.0	10.9
5586.25		54.00	1.33		300.0	V	23.0	13.2
5587.00	58.09	74.00	15.91		300.0	V	23.0	13.2
5610.25		54.00	1.78		300.0	V	23.0	13.2
6821.50	57.96	74.00	16.04		200.0	Н	203.0	15.0
6902.50		54.00	3.26		300.0	V	305.0	15.2



3.5 Conducted Emission Test

3.5.1 Requirement

• FCC Part15 subpart C Section 15.207

3.5.2 Test Procedure

The EUT was placed on a wooden table, 0.8 m height above the floor. Power was fed to the EUT through a 50 Ω / 50 μ H + 5 Ω Artificial Mains Network (AMN). The ground plane was electrically bonded to the reference ground system and all power lines were filtered from ambient.

3.6.3 Test data

- -. Resolution bandwidth : 9 kHz
- -. Frequency range
- -. Tested Line

: HOT LINE

: 0.15 MHz ~ 30 MHz







FREQ	Corr.F	ator [dB]	[H/N]	Quasi-peak [dBuV]		C-Average [dBuV]			
[MHz]	LISN	cables		Measured	limit	Margin	Measured	limit	Margin
0.21	9.60	9.89	Ν	45.45	63.21	17.76	27.63	53.21	25.58
0.31	9.60	9.90	N	49.17	59.97	10.80	46.14	49.97	3.83
0.79	9.60	9.93	N	49.67	56.00	6.33	34.36	46.00	11.64
0.91	9.60	9.93	Ν	47.37	56.00	8.63	36.30	46.00	9.70
7.21	9.66	10.03	Н	35.66	60.00	24.34	24.62	50.00	25.38
24.31	9.68	10.19	N	41.12	60.00	18.88	35.05	50.00	14.95



3.6 Antenna Requirement

3.6.1 Requirement

• FCC Part15 subpart H Section 15.203

• An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to intentional radiators that must be professionally installed, such as

perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.6.2 Result

- Must the EUT be professionally installed? \boxtimes YES \square NO
- Does the EUT have detachable antenna(s)? ⊠ YES □ NO
- If detachable, is the antenna connector(s) non-standard? □ YES ⊠ NO □ N/A



4. Test equipment list

Use	Model Number	Manufacturer	Description	Serial Number	Cal. Date.(Interval)
\boxtimes	AMP 20-1000	INFINITECH	BROADBAND PRE-AMP	2013 05 00003	Jan 04, 2022(1Y)
\boxtimes	DS 2000S	Innco GmbH	Turn Table	N/A	N/A
\boxtimes	MA4000-EP-HS	Innco GmbH	Antenna Mast	N/A	N/A
\boxtimes	MA4640-XP-ET	Innco GmbH	Tilt Antenna Mast	N/A	N/A
\boxtimes	CO3000	Innco GmbH	Controller	N/A	N/A
\boxtimes	CO3000	Innco GmbH	Controller	N/A	N/A
\boxtimes	N9020A	Agilent	Spectrum Analyzer	MY50200260	Jan 10, 2022(1Y)
\boxtimes	6502	EMCO	Loop Antenna	9609-3087	Nov 11, 2021(2Y)
\boxtimes	VULB 9168	SCHWARZBECK	Trilog-Broadband Antenna	9168-735	Nov 17, 2021(2Y)
\boxtimes	8449B	Agilent	Preamplifier	3008A02013	Jan 07, 2022(1Y)
\boxtimes	3115	EMCO	Horn Antenna	9402-4229	Aug 03, 2022(2Y)
\boxtimes	ESCI7	Rohde & Schwarz	EMI Test Receiver	100938	Jan 04, 2022(1Y)
\boxtimes	ESH-Z2	Rohde & Schwarz	Pulse Limter	101631	Jan 04, 2022(1Y)
\boxtimes	ENV216	Rohde & Schwarz	LISN	101264	Jul 04, 2022(1Y)
\boxtimes	66-30-33	Weinschel	Attenuator	CB0744	Dec 22, 2022(1Y)
\boxtimes	ES-SCAN	Rohde & Schwarz	EMI Software	N/A	N/A
\boxtimes	EMC32	Rohde & Schwarz	EMI Software	N/A	N/A
\boxtimes	SAS-574	A.H.Systems	Horn Antenna	595	Sep 07, 2021(2Y)
\boxtimes	PAM-840A	Com-power	Preamplifier	461334	Jan 07, 2022(1Y)