



시험 성적서

TEST REPORT

페이지(page) : (1) / 총(Total) (10)

성적서 번호 Report No.	ICRT-TR-E240978-0A	
신청자 Client	기관명 Name	WARP Solution
	주 소 Address	307, 291, Daehak-ro, Yuseong-gu, Daejeon, South Korea
시험대상품목 Sample description	Space ON	
모델명 Type description	WS-SPACEON	
정 격 Ratings	DC 12.0 V	
시험장소 Place of test	☒ 고정시험실(Permanent Testing Lab) ☐ 현장시험(On Site Testing) 주소지(Address): 112, 113 Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea	
시험기간 Date of test	07. Mar. 2024 ~ 15. Mar. 2024	
시험방법/항목 Test Method/Item	FCC rule part 1.1310	
시험결과 Test Results	Refer to 3. Test Summary	
확 인 Affirmation	작성자 Tested by	기술책임자 Technical Manager
	성명 Eun-Hye, Kwak Name (Signature)	성명 Tae-Yang, Yoon Name (Signature)

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2024. 03. 29
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112, Hwanggeum3-ro 7beon-gil, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea / Tel: 02-6351-9001 ~ 6

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Revision History

Issued Report No.	Issued Date	Revisions	Effect Section
ICRT-TR-E240978-0A	2024. 03. 29	Initial Issue	All



1. Applicant & Manufacturer & Test Laboratory Information

1.1 Applicant information

Applicant	WARP Solution
Address	307, 291, Daehak-ro, Yuseong-gu, Daejeon, South Korea
Contact Person	Sanguk Ha
Telephone No.	+82-2-532-2555
Fax No.	-
E-mail	suha@warpsolution.com

1.2 Manufacturer Information

Applicant	WARP Solution
Address	307, 291, Daehak-ro, Yuseong-gu, Daejeon, South Korea

1.3 Test Laboratory Information

Laboratory	ICR Co., Ltd.
Address	112, Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea
Telephone No.	+82-2-6351-9002
Fax No.	+82-2-6351-9007
KOLAS No.	KT652
KC & FCC	KR0165

1.4 Measurement Uncertainty

Parameter	Uncertainty for ICR	Limit
Supply voltages	0.02%	±3 %
Time	0.58%	±5 %
All emissions, radiated (Under the 1 GHz)	3.22 dB	±6 dB
All emissions, radiated (Above the 1 GHz)	3.67 dB	±6 dB



2. Equipment under Test(EUT) Information

2.1 General Information

Product Name	Space ON
Model Name	WS-SPACEON
Additional Model Name	-
Power Supply	DC 12 V

2.2 Additional Information

Equipment Class	-	
Device Type	Stand-alone	
Operating Frequency	ISM equipment	920 MHz
RF Output Power	ISM equipment	104.61 dBuV/m
RF Conducted Output Power	ISM equipment	28.63 dBm
Occupied Bandwidth	ISM equipment	131.87 kHz
Modulation Type	A1D	
Antenna Type	Pcb Antenna	
Antenna Gain	4.85 dBi	
Operating Mode	The EUT is continuous transmission mode during the test	

2.3 Modifications of EUT

- None

2.4 Reason of Additional Model Name

- None



3. Test Summary

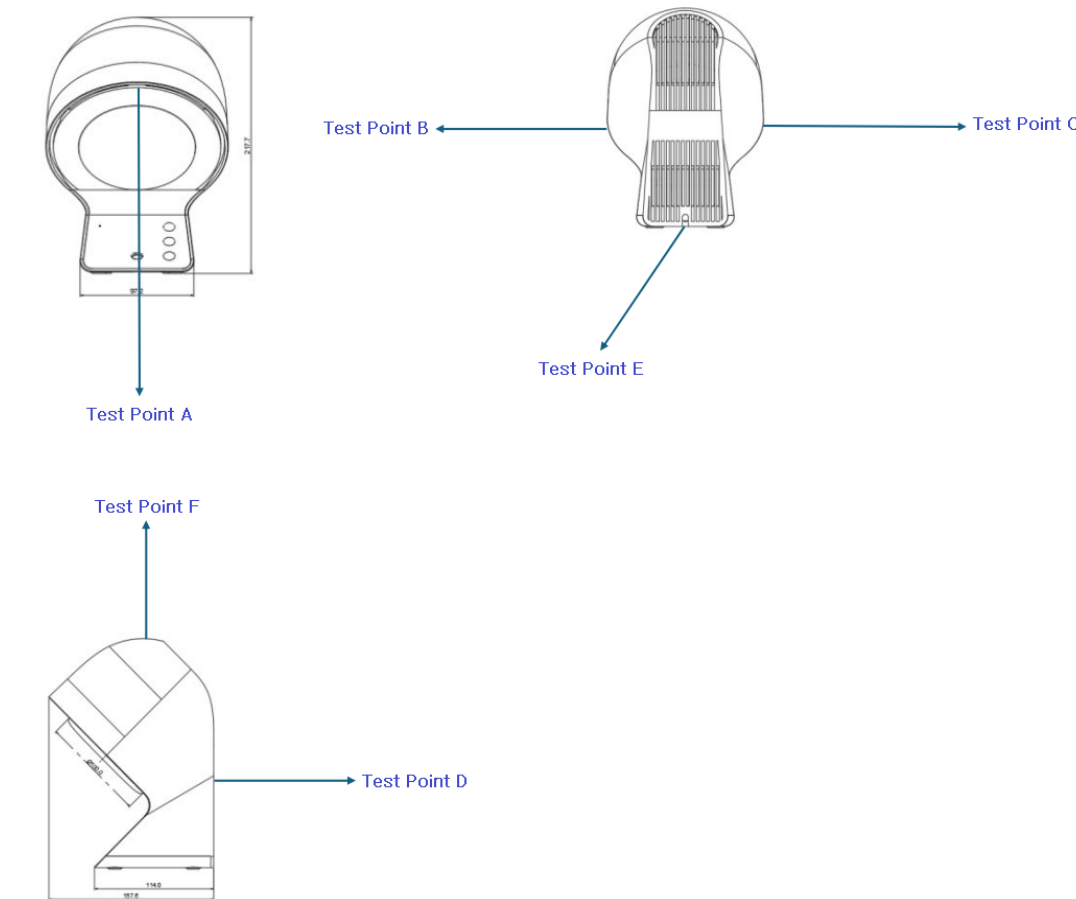
3.1 Test standards and results

FCC rule part 1.1310			
Clause	Test items	Applied	Results
FCC rule part 1.1310	Radiofrequency radiation exposure.	■	PASS

4. Result

4.1 RF Exposure

4.1.1 Evaluation Method





4.1.2 Limit

Table 1 to § 1.1310(e)(1)—Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3–3.0	614	1.63	*(100)	≤6
3.0–30	1842/f	4.89/f	*(900/f ²)	<6
30–300	61.4	0.163	1.0	<6
300–1,500			f/300	<6
1,500–100,000			5	<6
(ii) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	<30
1.34–30	824/f	2.19/f	*(180/f ²)	<30
30–300	27.5	0.073	0.2	<30
300–1,500			f/1500	<30
1,500–100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.



4.1.4 Result

Mode	Frequency [MHz]	Point A [mW/cm ²]	Point B [mW/cm ²]	Point C [mW/cm ²]	Point D [mW/cm ²]	Point E [mW/cm ²]	Point F [mW/cm ²]	Limit [mW/cm ²]
ISM equipment	920	0.517	0.066	0.075	0.020	0.105	0.110	0.613



5. Used equipment

	Description	Model Name	Manufacturer	Serial Number	Next Cal
■	LOOP ANTENNA	HFH2-Z2	ROHDE & SCHWARZ	100271	2025-03-08
■	BI-Log ANTENNA	VULB 9162	SCHWARZBECK	120	2024-12-26
■	EMI TEST RECEIVER	ESR26	ROHDE & SCHWARZ	101462	2025-03-28
■	SIGNAL CONDITIONING UNIT	SCU08	ROHDE & SCHWARZ	100746	2025-03-28
■	HORN ANTENNA	HF907	ROHDE & SCHWARZ	102556	2024-08-04
■	SIGNAL CONDITIONING UNIT	SCU18	ROHDE & SCHWARZ	102342	2025-03-28
■	EMI TEST RECEIVER	ESR26	ROHDE & SCHWARZ	101461	2025-03-28
■	DC POWER SUPPLY	XDL35-5P	XANTREX	J00385373	2025-02-27
■	SPECTRUM ANALYZER	FSV40-N	ROHDE & SCHWARZ	101303	2025-02-27
■	ELECTROMAGNETIC FIELD METER	EMF-819	LUTRON	I.329068	2025-04-15
■	RULER	K-1000S	BESTO	S75-4	2024-11-11
■	TWO LINE V-NETWORK	ENV216	ROHDE & SCHWARZ	102195	2024-09-22
■	EMI TEST RECEIVER	ESR3	ROHDE & SCHWARZ	102119	2025-03-29

- END OF REPORT.