47 C.F.R. Part 1, Subpart I, Section 1.1310
47 C.F.R. Part 2, Subpart J, Section 2.1093
KDB 680106 D01 v04

Maximum Permissible Exposure Report

For

CUP HOLDER TRANSMITTER ASSEMBLY

Model: 4361113

Trade Name: VOXX Automotive

Issued to

JET OPTOELECTRONICS CO.,LTD.
7F-2, No. 300, Yangguang St., Neihu Dist., Taipei City 11491,Taiwan

Issued by

Compliance Certification Services Inc.
Wugu Laboratory
No.11, Wugong 6th Rd., Wugu Dist.,
New Taipei City, Taiwan
Issued Date: May 29, 2024

Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	May 16, 2024	Initial Issue	ALL	Doris Chu
01	May 23, 2024	See the following Note Rev. (01)	ALL	Doris Chu
02	May 29, 2024	See the following Note Rev. (02)	P.9, P.A-1	Doris Chu

Rev. (01)
1. Modify test equipment and all test data.
Rev. (02)
1. Add note in section 5.4.
2. Modify section 6 to test setup photo and setup photo.

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1. TEST RESULT CERTIFICATION

APPLICABLE STANDARDS	
STANDARD	**TEST RESULT**
47 C.F.R. Part 1, Subpart I, Section 1.1310 47 C.F.R. Part 2, Subpart J, Section 2.1093 KDB 680106 D01 Wireless Power Transfer v04	Compliance
Statements of Conformity	
Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.	

Approved by:

Sky Zhou
Asst. Section Manager
Compliance Certification Services Inc.

2. EUT SPECIFICATION

EUT	CUP HOLDER TRANSMITTER ASSEMBLY
Model	4361113
Trade Name	VOXX Automotive
Model Discrepancy	N/A
Frequency Range	☒ 196 KHz ☐ Others
Device category	☒ Portable (<20cm separation) ☐ Mobile (>20cm separation) ☐ Others
Exposure classification	☐ Occupational/Controlled exposure ☒ General Population/Uncontrolled exposure
Antenna Specification	core Antenna
Received Date	February 23, 2024
Date of Test	April 8, 2024

Remark:
1. For more details, please refer to the User's manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

3. MEASUREMENT EQUIPMENT USED

3.1 Equipment Used for Emissions Measurement

RF Conducted Test Site (Shielding Room)					
Equipment	**Manufacturer**	**Model**	**S/N**	**Cal Date**	**Cal Due**
Antenna	NARDA	EHP-200AC	180ZX11018	2023-04-26	2024-04-25
Software	EHP200-TS				

3.2 MEASUREMENT UNCERTAINTY

Parameter	Frequency	Expanded Uncertainty (dB)	k
Electric Field Strength	3KHz ~300KHz	± 14.48 %	2
	30KHz ~10MHz	± 14.67 %	2
Magnetic Field Strength	3KHz ~300KHz	± 14.19 %	2
	30KHz ~10MHz	± 14.14 %	2

These uncertainties represent an expanded uncertainty expressed approximately at the 95% confidence level using a coverage factor of k=2

4. LIMIT

Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(b), 1.1310.

§1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in §1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of FCC part 2.1093 of the chapter.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) 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
(B) 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

Note 1 to Table 1: Occupational/controlled exposure limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when a person is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

Note 2 to Table 2: General population/uncontrolled exposure limits apply in situations in which the general public may be exposed, or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

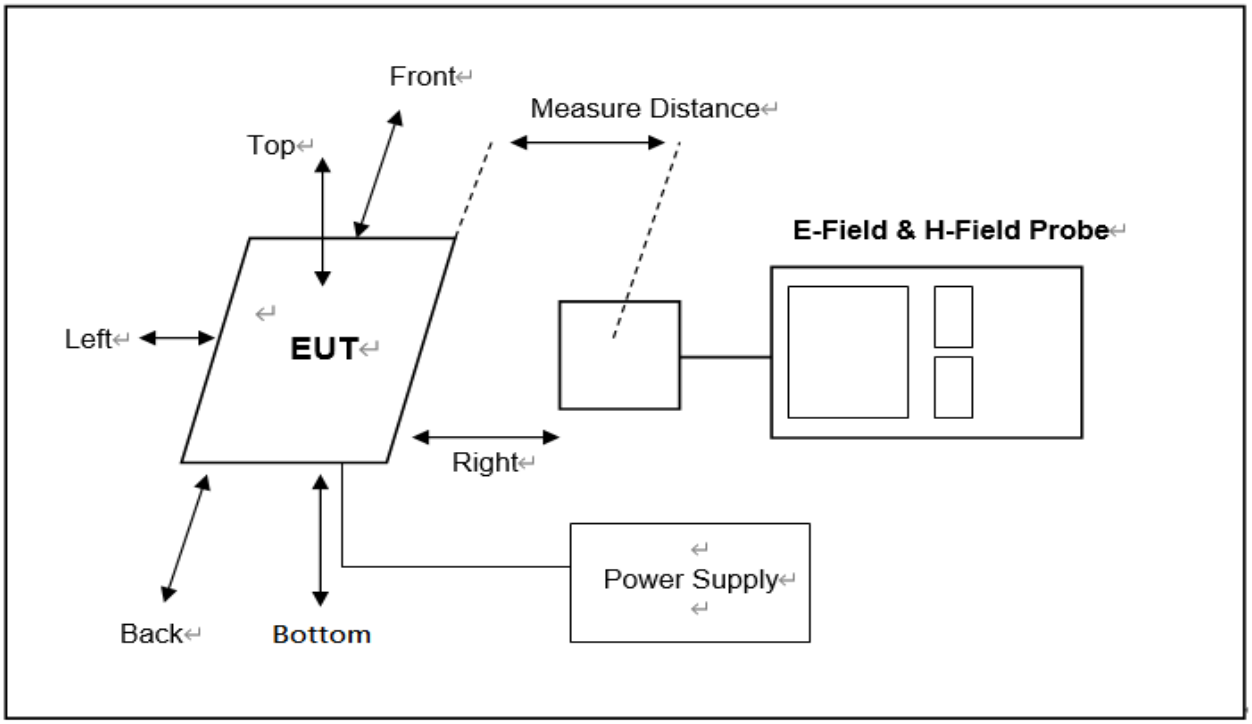
5. HUMAN EXPOSURE ASSESSMENT

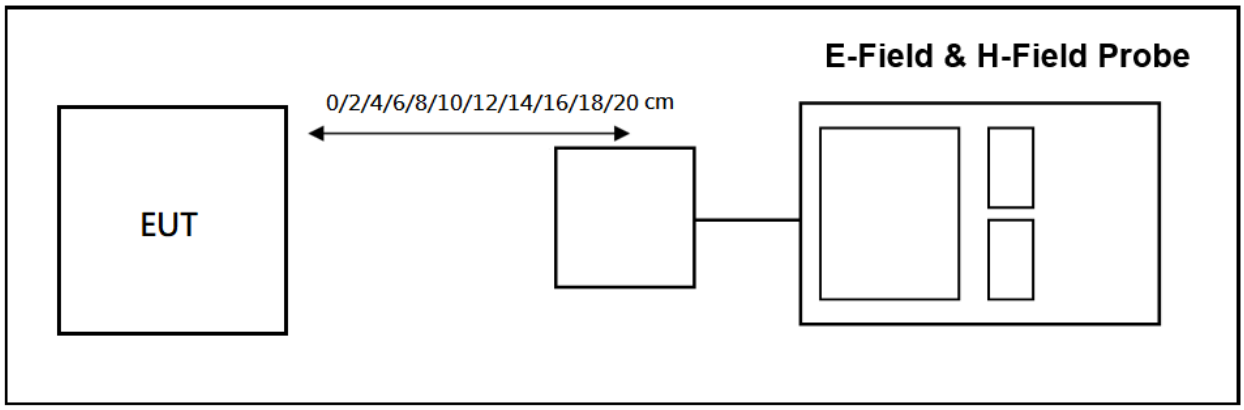
5.1 Support Equipment

No.	Device Type	Brand	Model	Series No.	Cal Date	Cal Due
1	Cup holder light receiver assembly	Nissan	N/A	N/A	N/A	N/A
2	DC Power Supply	GWINSTEK	SPS-3610	GPE880163	2023-11-16	2024-11-15

5.2 Test Setup

The test site used to collect data is a Shield Room.
The measurement distance is from the edge of the device to the center of the measurement probe. The test distance is 10 cm for Right (Edge 2) and 11 cm for Left (Edge 4). Test every 2cm until 20cm.





5.3 Electric Field Test Results

Temperature: 22.5~23.5℃ **Test Date:** April 8, 2024

Humidity: 40~45% RH **Tested by:** Jack Yang

Operating Frequency (kHz)	Distance (cm)	Probe from EUT Side	E-field (V/m)	Limit (V/m)	50% of MPElimit (V/m)
193.5	10	Right (Edge2)	0.7683	614	307
	12	Right (Edge2)	0.6778	614	307
	14	Right (Edge2)	0.5203	614	307
	16	Right (Edge2)	0.4691	614	307
	18	Right (Edge2)	0.4059	614	307
	20	Right (Edge2)	0.3969	614	307
193.5	11	Left (Edge4)	0.6389	614	307
	12	Left (Edge4)	0.5421	614	307
	14	Left (Edge4)	0.4772	614	307
	16	Left (Edge4)	0.4326	614	307
	18	Left (Edge4)	0.4052	614	307
	20	Left (Edge4)	0.3609	614	307

5.4 Magnetic Field Test Results

Temperature: 22.5~23.5℃ **Test Date:** April 8, 2024

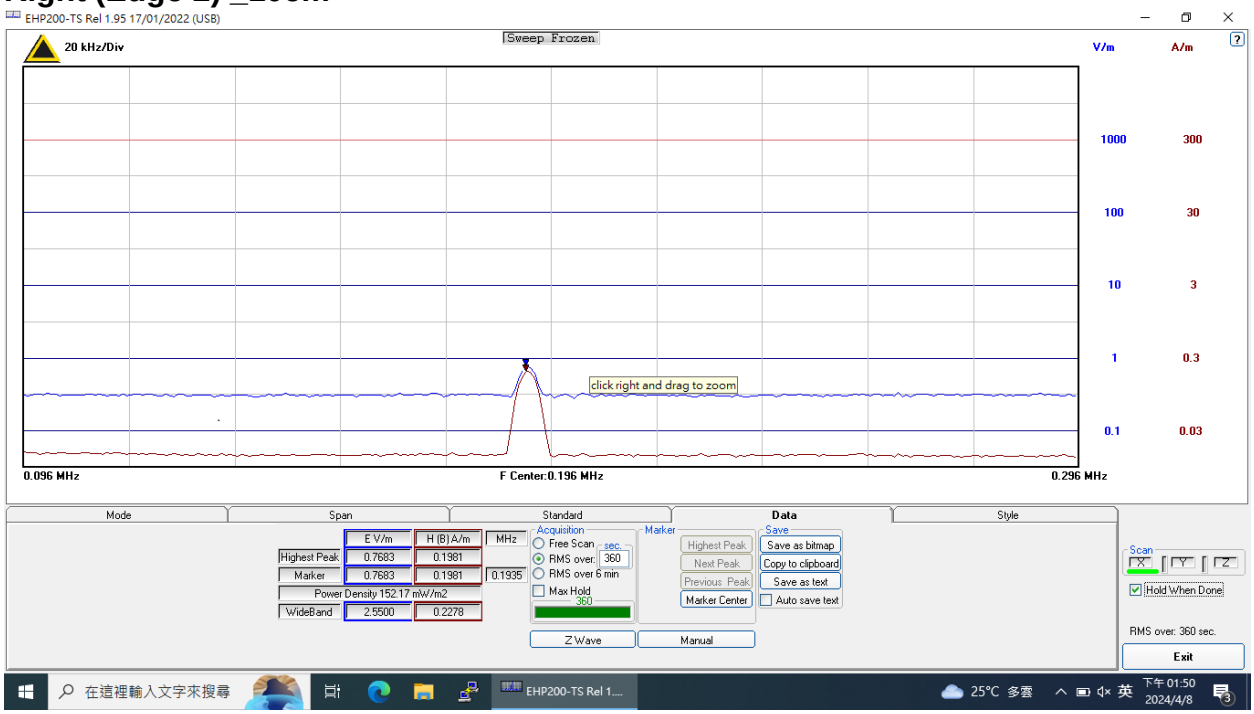
Humidity: 40~45% RH **Tested by:** Jack Yang

Operating Frequency (kHz)	Distance (cm)	Probe from EUT Side	H-field (A/m)	Limit (A/m)	50% of MPElimit (A/m)
193.5	10	Right (Edge2)	0.1981	1.63	0.815
	12	Right (Edge2)	0.1777	1.63	0.815
	14	Right (Edge2)	0.1017	1.63	0.815
	16	Right (Edge2)	0.0726	1.63	0.815
	18	Right (Edge2)	0.0503	1.63	0.815
	20	Right (Edge2)	0.037	1.63	0.815
193.5	11	Left (Edge4)	0.197	1.63	0.815
	12	Left (Edge4)	0.1736	1.63	0.815
	14	Left (Edge4)	0.1139	1.63	0.815
	16	Left (Edge4)	0.0777	1.63	0.815
	18	Left (Edge4)	0.0523	1.63	0.815
	20	Left (Edge4)	0.0382	1.63	0.815

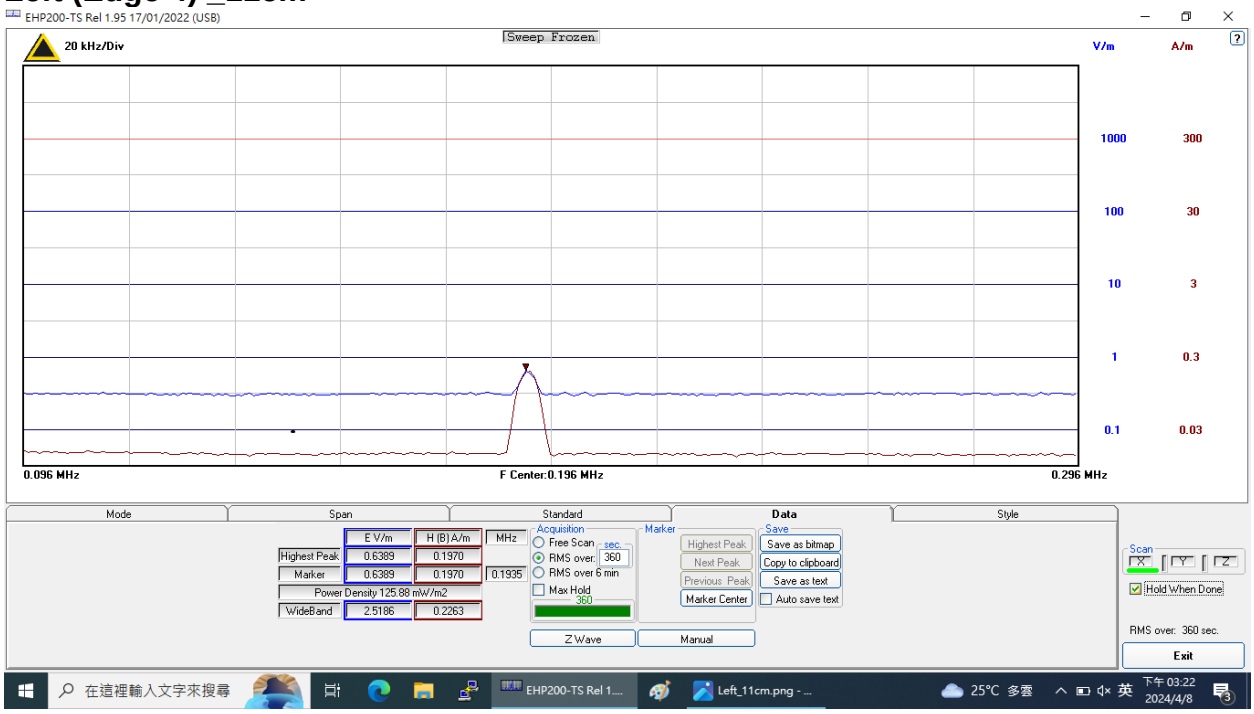
Note:
The DUT frequency range is 191kHz~201kHz.

5.5 Highest H-field and E-field Test Plots

Right (Edge 2) _10cm



Left (Edge 4) _11cm



- End of Test Report -