

Project No: TM-2211000293P FCC ID: KR5CMKG2
Report No.: TMWK2211004639KS

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Rev.: 02

RF EXPOSURE REPORT

47 CFR Part 2.1093

For

Body Control Module

Model: CMKG2

Trade Name: Continental

Issued to

**Continental Automotive Technologies GmbH
Siemensstrasse 12, 93055 Regensburg, Germany**

Issued by

**Compliance Certification Services Inc.
Wugu Laboratory
No.11, Wugong 6th Rd., Wugu Dist.,
New Taipei City, Taiwan.
Issued Date: March 2, 2023**

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	January 11, 2023	Initial Issue	ALL	Doris Chu
01	February 1, 2023	See the following Note Rev. (01)	P.4	Doris Chu
02	March 2, 2023	See the following Note Rev. (02)	P.6	Doris Chu

Rev. (01)

1. Added standard KDB 447498 D04 v01.

Rev. (02)

1. Modify equipment list in section 3.



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1. TEST RESULT CERTIFICATION

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
KDB 447498 D04 v01 47 CFR Part 2.1093	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	Body Control Module				
Model	CMKG2				
Trade Name	Continental				
Model Discrepancy	N/A				
Frequency band (Operating)	☒ 21.85 KHz ☐ Others				
Device category	☒ Portable (<20cm separation) ☐ Mobile (>20cm separation) ☐ Others				
Exposure classification	☐ Occupational/Controlled exposure ☒ General Population/Uncontrolled exposure (E=83 V/m, H=90 A/m)				
Antenna Specification	Antenna	Type	Model	Band	Max Gain
	Rear antenna	Standard Keyless antenna	A205 905 3005	Continental	N/A
	Transponder antenna	Transponder antenna	A223 905 22 00	Continental	N/A
	Side antenna right	Long Range antenna	A206 905 25 04	Continental	N/A
	Side antenna left	Long Range antenna	A206 905 25 04	Continental	N/A
Evaluation applied	☐ MPE Evaluation* ☒ Maximum Permissible Evaluation ☐ SAR Evaluation ☐ N/A				
Received Date	November 23, 2022				
Date of Test	December 15 ~ 21, 2022				
EUT Serial number	(A3) Serial No: 400015044063803212012201				

Remark:

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



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3. MEASUREMENT EQUIPMENT USED

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: TW1309

Equipment Used for Emissions Measurement

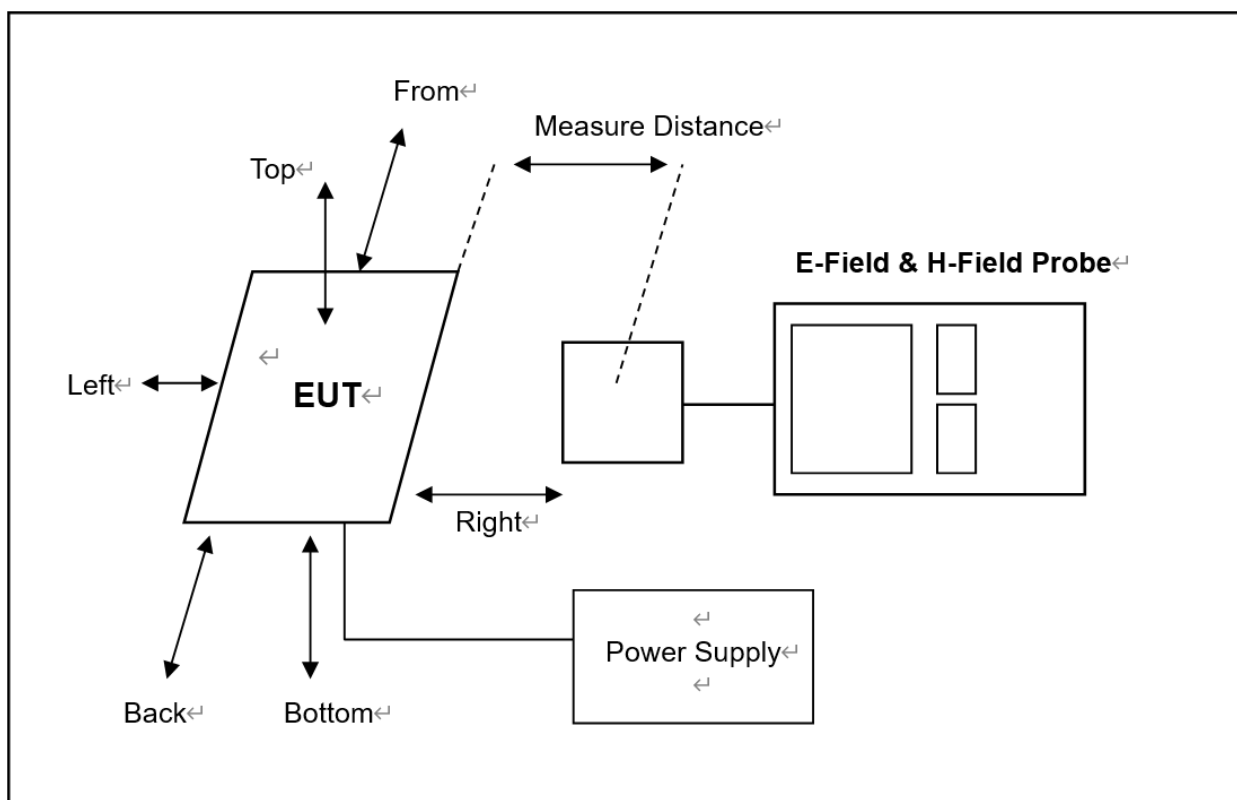
RF Conducted Test Site					
Equipment	Manufacturer	Model	S/N	Cal Date	Cal Due
DC Power Source	GWINSTEK	SPS-3610	GPE880163	12/02/2022	12/01/2023
Antenna	NARDA	EHP-200AC	180ZX11018	03/10/2022	03/09/2023
Software	EHP200-TS				

MEASUREMENT UNCERTAINTY

Parameter	Frequency	Expanded Uncertainty (dB)	k
Electric Field Strength	9KHz ~300KHz	± 16.14 %	2
	300KHz ~10MHz	± 17.91 %	2
Magnetic Field Strength	9KHz ~300KHz	± 17.92 %	2
	300KHz ~10MHz	± 17.58 %	2

SUPPORT EQUIPMENT

No.	Device Type	Brand	Model	Series No.
	N/A			



4. MAXIMUM PERMISSIBLE EXPOSURE

Table 1 - Limits for Maximum Permissible Exposure

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				
≤ 0.1	83	90	-	-
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				
≤ 0.1	83	90	-	-
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
<u>1,500-100,000</u>			1.0	30

5. TEST RESULTS

Temperature: 14.6 ~ 20.8°C

Test Date: December 15 ~ 21, 2022

Humidity: 57 ~ 63% RH

Tested by: Jerry Chang

Operating Frequency (kHz): 21.85 kHz

E-Field									
Operating Frequency (kHz)	Distance (cm)	Measure Frequency Range	Probe position Front (V/m)	Probe position Back (V/m)	Probe position Left Side (V/m)	Probe position Right Side (V/m)	Probe position Top (V/m)	Probe position Bottom (V/m)	Limit (V/m)
21.85	4.5	21.85 kHz	44.001	2.0096	17.768	1.7120	61.25	63.235	83

H-Field									
Operating Frequency (kHz)	Distance (cm)	Measure Frequency Range	Probe position Front (A/m)	Probe position Back (A/m)	Probe position Left Side (A/m)	Probe position Right Side (A/m)	Probe position Top (A/m)	Probe position Bottom (A/m)	Limit (A/m)
21.85	4.5	21.85 kHz	4.5548	1.2913	16.8370	1.2627	36.218	2.9556	90

Remark:

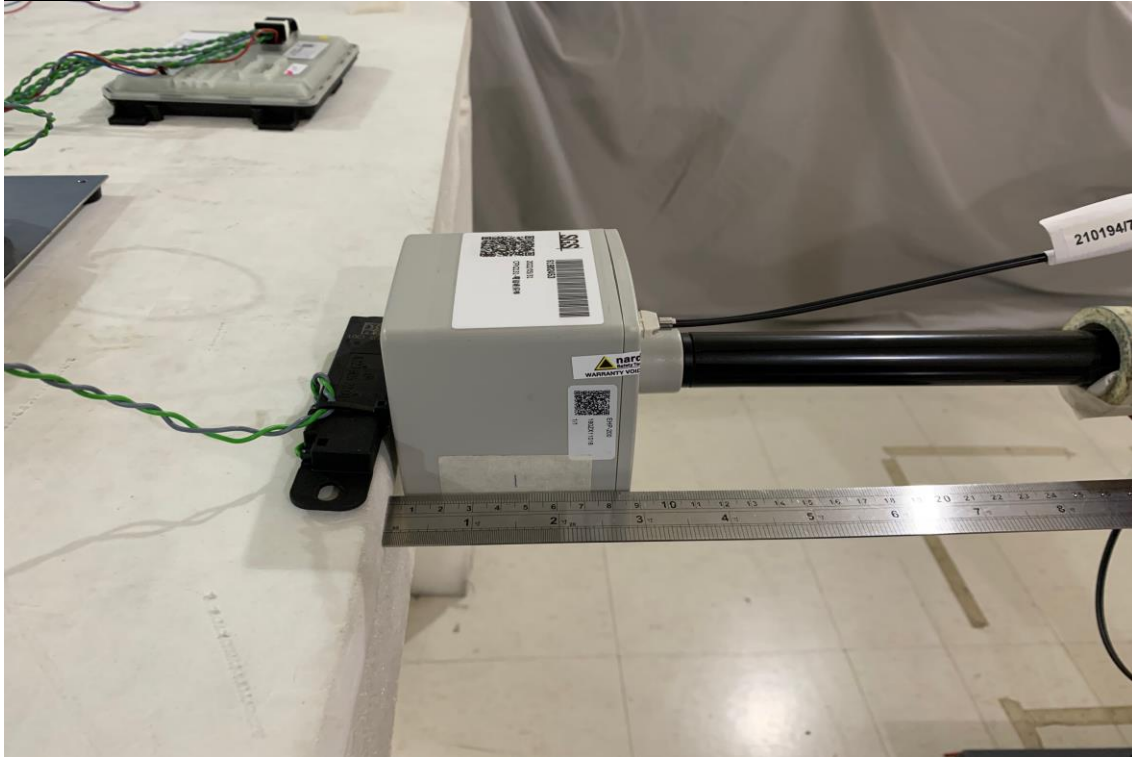
1. The measured distance is from the edge of the device to the centre of the measurement probe.
2. There are no emissions produced by the device outside of the investigated frequency range.

- End of Test Report -

6. PHOTOGRAPHS OF TEST SETUP

4.5cm

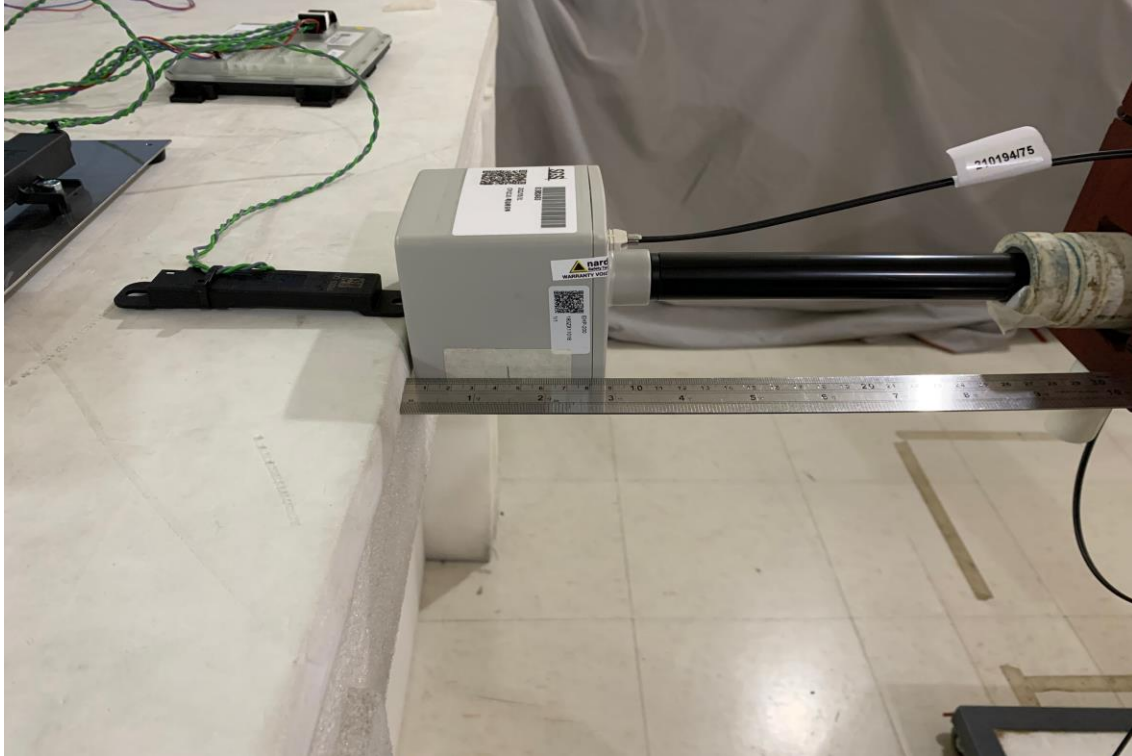
Front



Back



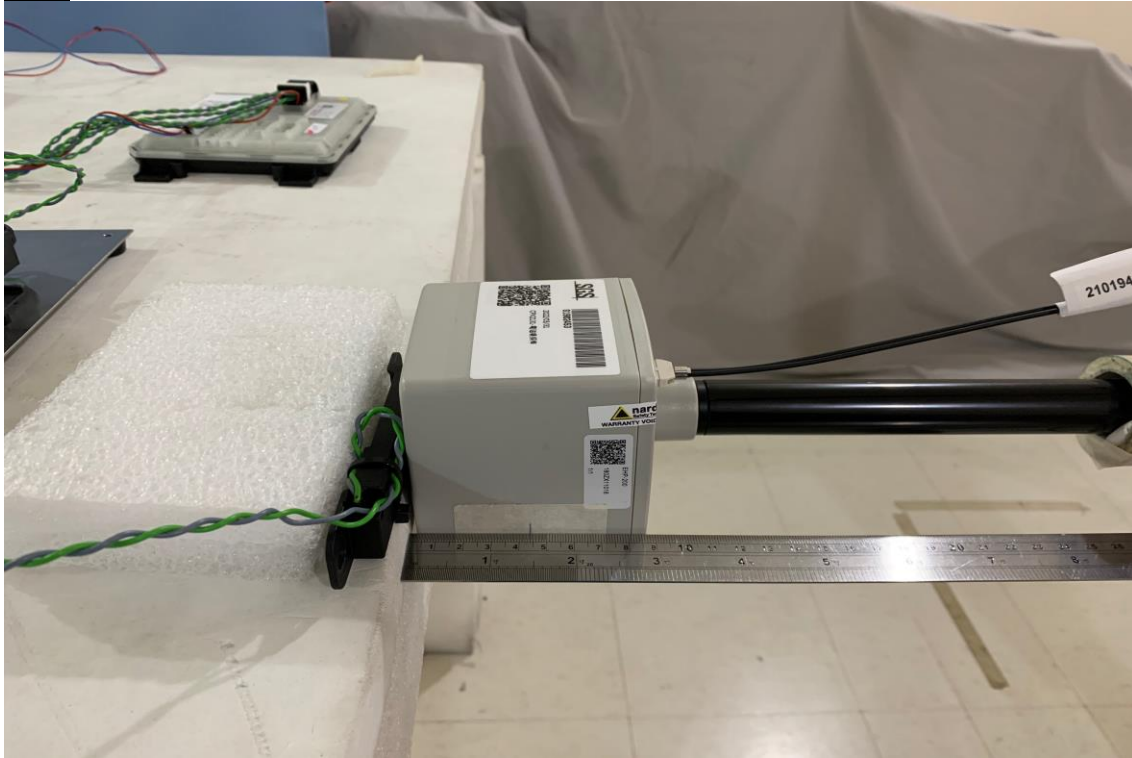
Left



Right



Top



Bottom

