

Project No: TM-2211000293P  
Report No.: TMWK2211004639KS

FCC ID: KR5CMKG2

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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.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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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:

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Sky Zhou  
Asst. Section Manager  
Compliance Certification Services Inc.

## 2. EUT SPECIFICATION

<b>EUT</b>	Body Control Module				
<b>Model</b>	CMKG2				
<b>Trade Name</b>	Continental				
<b>Model Discrepancy</b>	N/A				
<b>Frequency band (Operating)</b>	<input checked="" type="checkbox"/> 21.85 KHz <input type="checkbox"/> Others				
<b>Device category</b>	<input checked="" type="checkbox"/> Portable (<20cm separation) <input type="checkbox"/> Mobile (>20cm separation) <input type="checkbox"/> Others				
<b>Exposure classification</b>	<input type="checkbox"/> Occupational/Controlled exposure <input checked="" type="checkbox"/> General Population/Uncontrolled exposure (E=83 V/m, H=90 A/m)				
<b>Antenna Specification</b>	<b>Antenna</b>	<b>Type</b>	<b>Model</b>	<b>Band</b>	<b>Max Gain</b>
	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
<b>Evaluation applied</b>	<input type="checkbox"/> MPE Evaluation* <input checked="" type="checkbox"/> Maximum Permissible Evaluation <input type="checkbox"/> SAR Evaluation <input type="checkbox"/> N/A				
<b>Received Date</b>	November 23, 2022				
<b>Date of Test</b>	December 15 ~ 21, 2022				
<b>EUT Serial number</b>	(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

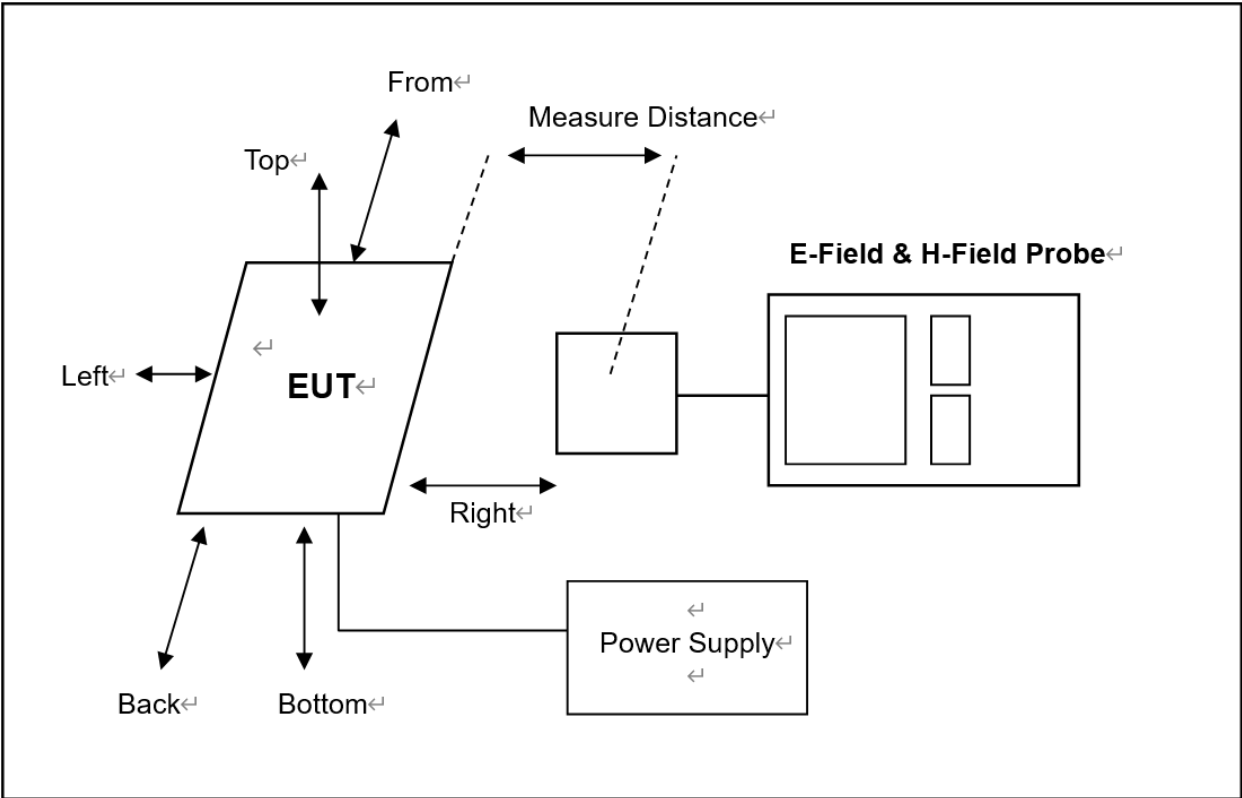
RF Conducted Test Site					
Equipment	Manufacturer	Model	S/N	Cal Date	Cal Due
DC Power Source	GWINSTEK	SPS-3610	GPE880163	12/02/2022	12/01/2023
Antenna	NARDA	EHP-200AC	180ZX11018	03/10/2022	03/09/2023
Software	EHP200-TS				

#### 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 <sup>2</sup> )	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 <sup>2</sup>	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 <sup>2</sup>	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
<b><u>1,500-100,000</u></b>			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:

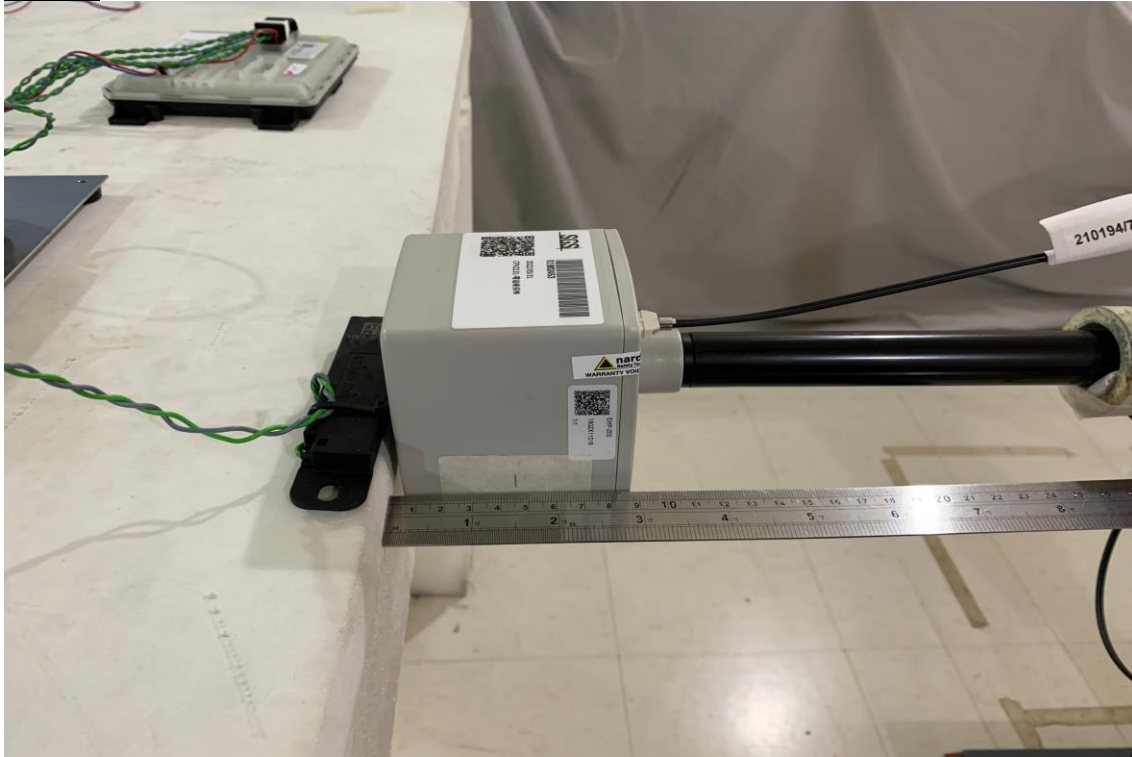
1. The measured distance is from the edge of the device to the centre of the measurement probe.
2. There are no emissions produced by the device outside of the investigated frequency range.

**- End of Test Report -**

## 6. PHOTOGRAPHS OF TEST SETUP

4.5cm

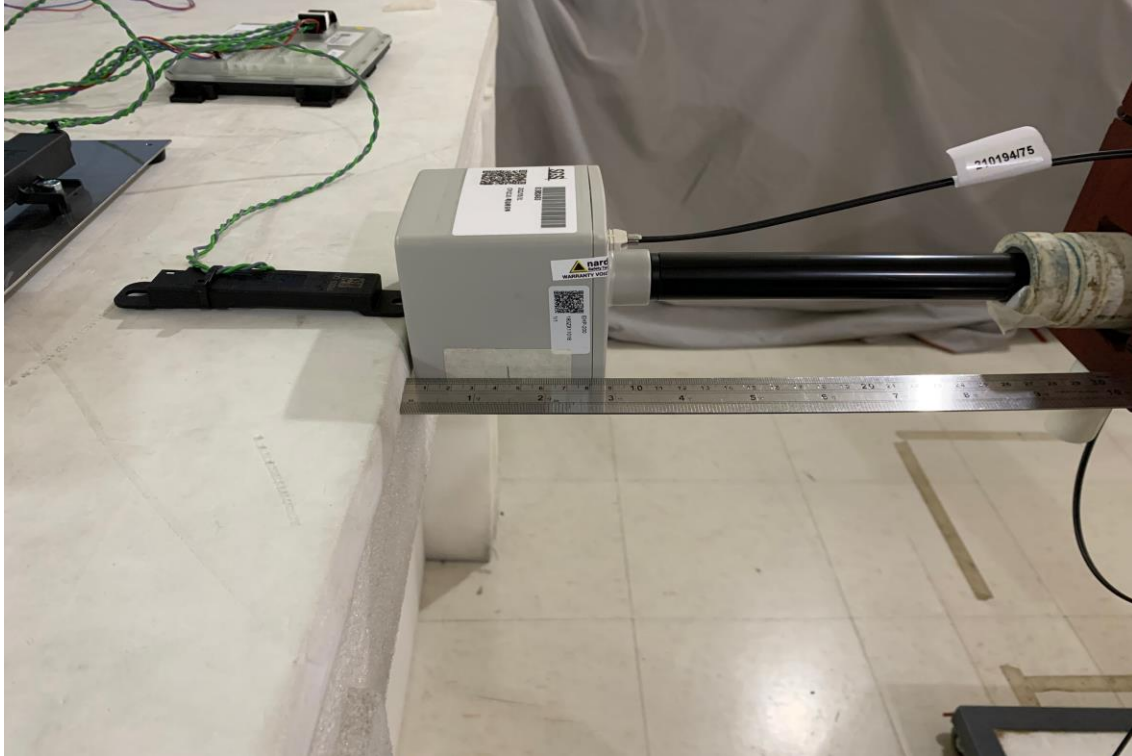
Front



Back



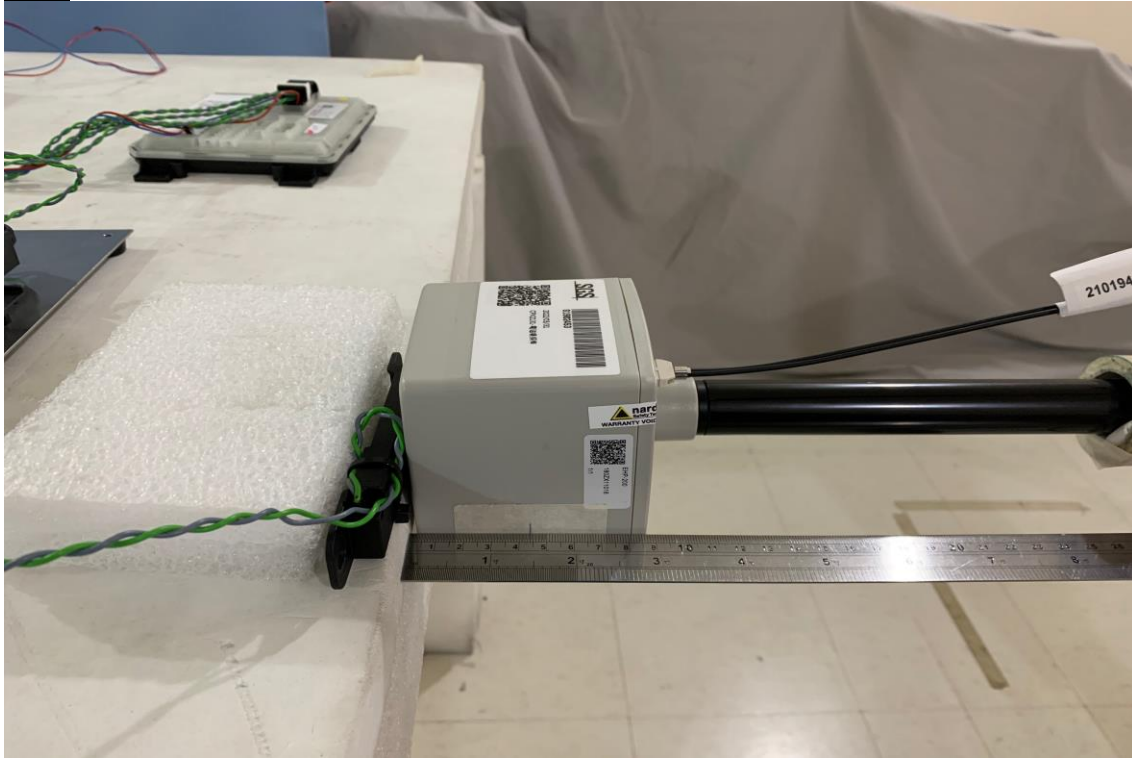
## Left



## Right



## Top



## Bottom

