



SPOT CHECK EVALUATION

FCC ID : KR5I22B
Equipment : Radio Frequency Bidirectional Key
Brand Name : Continental
Model Name : I22B
Applicant : Continental Automotive GmbH
Siemensstrasse 12, 93055, Regensburg,
Germany
Manufacturer : Continental Automotive GmbH
Siemensstrasse 12, 93055, Regensburg,
Germany
Factory : Continental Automotive Lithuania UAB
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Standard : FCC Part 15 Subpart C §15.231

The product was received on Oct. 12, 2021 and testing was started from Oct. 28, 2021 and completed on Dec. 21, 2021. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this spot check data report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu



Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

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History of this test report

| Version | Description | Issued Date |
|---------|--|---------------|
| 01 | Initial issue of report | Jan. 24, 2022 |
| 02 | Revise model name | Feb. 25, 2022 |
| 03 | 1. Revise Typo, Section 1 description and Section 4 2. Add Equipment List and Setup Photo | Feb. 28, 2022 |
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1. Introduction Section

Continental, hereby declares that the SRD hardware and digital circuit of KR5I22B are identical to KR5I22U.

Therefore the following report of KR5I22U may be used as reference test data for KR5I22B, along with the spot check verification data following the FCC KDB 484596 D01 v01.

The applicant should take full responsibility that the test data as referenced in this report represent compliance for this FCC ID: KR5I22B.



2. Difference Section

Difference between KR5I22U and KR5I22B:

Continental declares that KR5I22B does not support UWB. All UWB-related components have been deprecated. There is no difference between KR5I22U and KR5I22B in terms of SRD.



3. Spot Check Verification Data Section

Radiated spurious emission test against the variant model based on the worst-case condition from the original model was performed in this filing and the verification test results Similar to the original FCC ID. Detail spot check test result can be found in the variant model report, please refer to detail section table in section 4.

Summary of the spot check:

| Test Item | Mode | KR5122U Worst Result | KR5122B Worst Result | Difference (dB) |
|--|---------------|----------------------|----------------------|-----------------|
| Field Strength of Fundamental Emissions (dBuV/m) | 433.92 MHz Tx | 78.4 | 75.87 | -2.53 |
| Field Radiated Spurious Emissions (dBuV/m) | 433.92 MHz Tx | 40.56 | 31.65 | -8.91 |



4. Reference detail Section

| Rule Part | Equipment Class | Wireless Technology | Frequency Band (MHz) | Original FCC ID | Original Report |
|-------------|-----------------|---------------------|----------------------|-----------------|-------------------------|
| Part 15.231 | DSC | SRD | 433MHz | KR5I22U | Part 15.231 (FR1O1210A) |



5. List of Measuring Equipment

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---------------------------|-----------------|----------------------------|-------------|-----------------------|------------------|---------------|---------------|-----------------------|
| Bilog Antenna | TESEQ | CBL 6111D & 00800N1D01N-06 | 35419 & 03 | 30MHz~1GHz | Apr. 28, 2021 | Oct. 28, 2021 | Apr. 27, 2022 | Radiation (03CH07-HY) |
| Double Ridge Horn Antenna | ESCO | 3117 | 00075962 | 1GHz ~ 18GHz | Dec. 01, 2020 | Oct. 28, 2021 | Nov. 30, 2021 | Radiation (03CH07-HY) |
| Loop Antenna | Rohde & Schwarz | HFH2-Z2 | 100315 | 9 kHz~30 MHz | Jan. 04, 2021 | Oct. 28, 2021 | Jan. 03, 2022 | Radiation (03CH07-HY) |
| Preamplifier | MITEQ | AMF-7D-0010 1800-30-10P | 1590075 | 1GHz~18GHz | Apr. 22, 2021 | Oct. 28, 2021 | Apr. 21, 2022 | Radiation (03CH07-HY) |
| Preamplifier | COM-POWER | PA-103A | 161241 | 10MHz~1GHz | Oct. 04, 2021 | Oct. 28, 2021 | Oct. 03, 2022 | Radiation (03CH07-HY) |
| Spectrum Analyzer | Agilent | N9030A | MY52350276 | 3Hz~44GHz | Jul. 22, 2021 | Oct. 28, 2021 | Jul. 21, 2022 | Radiation (03CH07-HY) |
| Filter | Microw ave | H1G013G1 | SN477215 | 1GHz High Pass Filter | Oct. 31, 2020 | Oct. 28, 2021 | Oct. 30, 2021 | Radiation (03CH07-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | MY15682-4 | 30MHz to 18GHz | Feb. 24, 2021 | Oct. 28, 2021 | Feb. 23, 2022 | Radiation (03CH07-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | MY24971-4 | 9kHz to 18GHz | Feb. 24, 2021 | Oct. 28, 2021 | Feb. 23, 2022 | Radiation (03CH07-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | MY28655-4 | 9kHz to 18GHz | Feb. 24, 2021 | Oct. 28, 2021 | Feb. 23, 2022 | Radiation (03CH07-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 126 | 532078/126E | 30MHz~18GHz | Sep. 17, 2021 | Oct. 28, 2021 | Sep. 16, 2022 | Radiation (03CH07-HY) |
| Controller | EMEC | EM1000 | N/A | Control Ant Mast | N/A | Oct. 28, 2021 | N/A | Radiation (03CH07-HY) |
| Controller | MF | MF-7802 | N/A | Control Turn table | N/A | Oct. 28, 2021 | N/A | Radiation (03CH07-HY) |
| Antenna Mast | EMEC | AM-BS-4500E | N/A | Boresight mast 1M~4M | N/A | Oct. 28, 2021 | N/A | Radiation (03CH07-HY) |
| Turn Table | ChainTek | Chaintek 3000 | N/A | 0~360 Degree | N/A | Oct. 28, 2021 | N/A | Radiation (03CH07-HY) |
| Software | Audix | E3 6.2009-8-24 | N/A | N/A | N/A | Oct. 28, 2021 | N/A | Radiation (03CH07-HY) |
| USB Data Logger | TECEP | TR-32 | HE17XB2495 | N/A | Mar. 09, 2021 | Oct. 28, 2021 | Mar. 08, 2022 | Radiation (03CH07-HY) |