

Prüfbericht-Nr.: Test report no.:	CN23XIWU (FCC-RFEXP) 001	Auftrags-Nr.: Order no.:	48218991	Seite 1 von 7 Page 1 of 7	
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2023-05-04		
Auftraggeber: Client:	Whetron Electronics CO.,LTD. No.16, Xingye Rd.,Ta Fa Ind., Daliao Dist., Kaohsiung City 831, Taiwan (R.O.C.)				
Prüfgegenstand: Test item:	SMART KEY SYSTEM Host				
Bezeichnung / Typ-Nr.: Identification / Type no.:	S100394400				
Auftrags-Inhalt: Order content:	FCC Certification				
Prüfgrundlage: Test specification:	IEEE Std C95.1 47 CFR §2.1093 47 CFR §1.1310				
Wareneingangsdatum: Date of sample receipt:	2023-05-09				
Prüfmuster-Nr.: Test sample no.:	A003471758-003				
Prüfzeitraum: Testing period:	2023-07-05				
Ort der Prüfung: Place of testing:	EMC/RF Taipei Testing Site				
Prüflaboratorium: Testing laboratory:	Taipei Testing Laboratories				
Prüfergebnis*: Test result*:	Pass				
überprüft von: compiled by:	 Ryan Chen		genehmigt von: authorized by:	 Brenda Chen	
Datum: Date:	2023-08-07		Ausstellungsdatum: Issue date:	2023-08-07	
Stellung / Position:	Senior Project Manager		Stellung / Position:	Senior Project Manager	
Sonstiges / Other:					
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:			Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested					
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.					

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HISTORY OF THIS TEST REPORT

Report No.	Description	Date Issued
CN23XIWU (FCC-RFEXP) 001	Original Release	2023-08-07

1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:
Appendix EP - Photographs of EUT

1.2 Decision Rule of Conformity

The decision rule of conformity of this test report is following the requirements of the requested standard in the quotation, and agreed among testing laboratory and manufacturer (applicant) to exclude the consideration of Measurement Uncertainty, unless it is required by the specific standard.

2 Test Sites

2.1 Test Facilities

Taipei Testing Laboratories

11F. No.758, Sec. 4, Bade Rd., Songshan Dist.
Taipei City 105
Taiwan (R.O.C.)

2.2 Test Facility

Taipei Testing Laboratories

No.458-18, Sec. 2, Fenliao Rd., Linkou Dist.,
New Taipei City 244
Taiwan (R.O.C.)

3 General Product Information

3.1 Product Function and Intended Use

The EUT is SMART KEY SYSTEM Host. It contains 125kHz compatible module enabling the user to communicate data through Wireless interface.

For details refer to the User Guide, Data Sheet and Circuit Diagram.

3.2 Ratings and System Details

Basic Information of EUT

Item	EUT Information
Kind of Equipment/Test Item	SMART KEY SYSTEM Host
Type Identification	S100394400
FCC ID	2BBQI-S100394400

Technical Specification of EUT

Item	EUT Information
Operating Frequency	125 kHz
Modulation	ASK
Operation Voltage	12 Vdc
Antenna Type	Ferrite magnetic antenna

4 RF Exposure Evaluation

4.1 SAR test exclusion

Following FCC KDB 447498 D04 "Interim General RF Exposure Guidance v01"

According to the 2.1.2, a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

The maximum power of this device is 90.74dBuV/m(-4.49dBm,0.3556mW) which is less than 1mW , therefore , it can be an exempt RF device.