

Prüfbericht-Nr.: Test report no.:	CN23OAOU (FCC-RFEXP) 001	Auftrags-Nr.: Order no.:	48222061	Seite 1 von 7 Page 1 of 7
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2023-05-30	
Auftraggeber: Client:	Microchip Technology Inc. 2355 West Chandler Blvd. Chandler, Arizona 85224-6199, United States			
Prüfgegenstand: Test item:	EV79V24A			
Bezeichnung / Typ-Nr.: Identification / Type no.:	ATA5293-XPRO			
Auftrags-Inhalt: Order content:	FCC Certification			
Prüfgrundlage: Test specification:	IEEE Std C95.1 47 CFR §2.1093 47 CFR §1.1310 KDB 447498 D04			
Wareneingangsdatum: Date of sample receipt:	2023-07-17			
Prüfmuster-Nr.: Test sample no:	A003519207-015 A003519207-013			
Prüfzeitraum: Testing period:	2023-08-15 - 2023-08-16			
Ort der Prüfung: Place of testing:	EMC/RF Taipei Testing Site			
Prüflaboratorium: Testing laboratory:	Taipei Testing Laboratories			
Prüfergebnis*: Test result*:	Pass			
zusammengestellt von: compiled by:	genehmigt von: authorized by:			
Datum: Date: 2023-09-11	 Ryan Chen		 Brenda Chen	
Stellung / Position:	Senior Project Manager	Ausstellungsdatum: Issue date: 2023-09-11	Senior Project Manager	
Sonstiges / Other:	The E.I.R.P. power is referred to report no.: CN23OAOU (P15C-125k) 001.			
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 P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient 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 vo5*pllicated in extracts. This test report does not entitle to carry any test mark.				

Contents

HISTORY OF THIS TEST REPORT	3
1 GENERAL REMARKS	4
1.1 COMPLEMENTARY MATERIALS.....	4
1.2 DECISION RULE OF CONFORMITY	4
2 TEST SITES	5
2.1 TEST FACILITIES	5
2.2 TEST FACILITY.....	5
3 GENERAL PRODUCT INFORMATION.....	6
3.1 PRODUCT FUNCTION AND INTENDED USE	6
3.2 RATINGS AND SYSTEM DETAILS.....	6
4 RF EXPOSURE EVALUATION	7
4.1 SAR TEST EXCLUSION	7

APPENDIX EP - PHOTOGRAPHS OF EUT

Prüfbericht - Nr.: CN23OAOU (FCC-RFEXP) 001
Test Report No.

Seite 3 von 7
Page 3 of 7

HISTORY OF THIS TEST REPORT

Report No.	Description	Date Issued
CN23OAOU (FCC-RFEXP) 001	Original Release	2023-09-11

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 EV79V24A (ATA5293-XPRO) is a Passive Entry, Passive Start (PEPS) antenna driver / immobilizer base station evaluation board operating in the 125kHz low frequency (LF) band.

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	EV79V24A
Type Identification	ATA5293-XPRO
FCC ID	2ADHK79V24

Technical Specification of EUT

Item	EUT Information
Operating Frequency	125 kHz
Modulation	OOK
Operation Voltage	12 Vdc
Antenna Type	PKE 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 73.47dBuV/m(-21.73dBm,0.01mW) which is less than 1mW, therefore, it can be an exempt RF device.