

Annex 5:

Declaration of applicant of model differences

1-2154-25-01-15_TR1-A301-R03

Number of pages:	2	Date of Report:	2026-Sep-28
Testing company:	cetecom advanced GmbH Untertuerkheimer Str. 6-10 66117 Saarbruecken GERMANY	Applicant:	Metrohm AG
Product:	IONIC Titrator		
Model:	IONIC Titrator		
FCC ID:	2ACG6-CCIMX8	IC:	12034A-CCIMX8
		HVIN:	CC8X
		PMN:	CC8X
		HMN:	IONIC Titrator
Testing has been carried out in accordance with:	FCC Regulations Title 47 CFR, Chapter I, Subchapter A Part 15, Subpart C Intentional Radiators; § 15.209 Radiated emission limits; general requirements Title 47 CFR, Chapter I, Subchapter B Part 27, Subpart C Miscellaneous Wireless Communications Services Title 47 CFR, Chapter I, Subchapter A, Part 15 Subpart C Intentional Radiators § 15.247 Operation within the bands 2400-2483.5 MHz Subpart E Unlicensed National Information Infrastructure Devices § 15.407 General technical requirements ISED-Regulations, Radio Standards Specification RSS-Gen, Issue 5 General Requirements for Compliance of Radio Apparatus RSS-130, Issue 2 Equipment Operating in the Frequency Bands 617-652 MHz, 663-698 MHz, 698-756 MHz and 777-787 MHz RSS-199, Issue 4 Broadband Radio Service (BRS) Equipment Operating in the Band 2500–2690 MHz RSS-247, Issue 4 Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Device		

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Version	1.0	Dokument	power_supply_confirmation.docx
Gespeichert am	7/20/2026 7:16:00 AM	Thema	Power Supply confirmation
Autor	manat	Verteiler	cetecom advanced
Projekt	EWP303		

Power Supply confirmation

Product / Model: IONIC Titrator

Type: 1040

Due to supply chain constraints affecting the availability of the final production power supply, an alternative power supply unit (PSU) was used during selected radio/wireless certification tests of the IONIC Titrator. All safety and EMC testing, including radiated and conducted emissions testing, was performed using the final production power supply.

Metrohm confirms that the use of the alternative PSU does not affect the performance of the product, the operation of the radio modules, or the validity of the certification results. Metrohm therefore requests that the production power supply be referenced in the applicable certification test report(s).

	Production PSU	Alternative PSU
Metrohm Item No.	6.02164.020	6.2164.010
Manufacturer	GlobTek, Inc.	ENG Electric Co., Ltd.
Model No.	GTM961200P12024-T3	6A-601DB24
Part No.	TR9CI5000YL4CR6B3363	H1M371.1
Rated Input	100 – 240 V / 50 - 60 Hz, 1.5 A	100 – 240 V / 50 - 60 Hz, 1.5 A
Rated Output	24 VDC / 5 A (120 W)	24 VDC / 2.7 A (65 W)
Used for	Safety and EMC testing	Radio/wireless certification tests

Technical justification:

- Both PSUs provide the same nominal 24 VDC output voltage and share a comparable AC input architecture.
- The integrated WLAN/Bluetooth and cellular radio modules are supplied via internal DC/DC converters generating the required 5 V and 3.3 V supply rails independently of the external PSU. As a result, the radio modules are isolated from variations in the external power supply.
- Both PSU variants utilize the same product grounding concept (Class I equipment with PE connected to 0 V), ensuring equivalent grounding conditions and electrical behaviour.
- The alternative PSU is a standard Metrohm-approved power supply that has been extensively used during internal development, validation and type testing activities. Comparative internal testing confirmed equivalent electrical performance of both PSU variants.
- The maximum power consumption of the IONIC Titrator during radio operation remains significantly below the rated output capability of both PSU variants.

Based on the above, Metrohm confirms that the certification test results obtained during the approval process with the alternative power supply are representative of the final production configuration and remain fully applicable to the IONIC Titrator equipped with the production power supply.

Manuel Nater
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Speicherdatum: 20.07.2026 / NM

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