

## Modular Approval Request Letter

### Federal Communications Commission

Equipment Authorization Division, Application Processing Branch  
7435 Oakland Mills Road  
Columbia, MD 21048

### Innovation, Science and Economic Development Canada

Spectrum Engineering Branch  
3701 Carling Avenue, Building 94  
Ottawa, Ontario K2H 8S2

### Modular Approval Request

We, Alfred Kärcher SE & Co. KG, declare on our sole responsibility and in accordance with Annex-D RSP-100 Issue 12 and CFR 47 Part 15.212 the following for our module identified as follows:

Product Information			
PMN:	46832500	FVIN:	46832500000100
HMN:		ISED Certification Number:	9752A-46832500999
HVIN:	468325000304		
Model Name:	4.683-250.0	FCC ID:	ZP946832500999

Declaration		
Modular approval requirement	Yes	No *
(a) The radio elements must have the radio frequency circuitry shielded. Physical/discrete and tuning capacitors may be located external to the shield, but must be on the module assembly.		X
<b>*Please provide a detailed explanation if the answer is "No.":</b> The RFID reader 4.683-250.0 is exclusively used for user key recognition in the control panel of Kärcher floor cleaning appliances. The RFID reader is not used in any other type of equipment and it is not sold to third-party manufacturers.		
(b) The module shall have buffered modulation/data input(s) (if such inputs are provided) to ensure that the module will comply with the requirements set out in the applicable RSS / part 15 under conditions of excessive data rates or over-modulation.	X	
<b>*Please provide a detailed explanation if the answer is "No.":</b>		
(c) The module shall have its own power supply regulation on the module. This is to ensure that the module will comply with the requirements set out in the applicable standard regardless of the design of the power supplying circuitry in the host device which houses the module.		X
<b>*Please provide a detailed explanation if the answer is "No.":</b> The RFID reader 4.683-250.0 is exclusively used for user key recognition in the control panel of Kärcher floor cleaning appliances. The 3.3 V DC input for the RFID reader is supplied by the HMI module of the floor cleaning appliance. The RFID reader is not used in any other type of equipment and it is not sold to third-party manufacturers.		

(d) The module shall comply with the provisions for external power amplifiers and antennas detailed in this standard. The equipment certification submission shall contain a detailed description of the configuration of highest antenna gain for each type of antenna.	X	
<b>*Please provide a detailed explanation if the answer is "No.":</b>		
(e) The module shall be tested for compliance with the applicable standard in a stand-alone configuration, i.e. the module must not be inside another device during testing.	X	
<b>*Please provide a detailed explanation if the answer is "No.":</b>		
(f) The module shall comply with applicable RSS-102 exposure requirements and any applicable FCC RF exposure requirement which are based on the intended configuration/integration in a host.	X	
<b>*Please provide a detailed explanation if the answer is "No.":</b>		
<i>Only applicable for FCC certification:</i>		
(g) The module must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.	X	
<b>*Please provide a detailed explanation if the answer is "No.":</b>		
(h) The modular transmitter complies with all applicable FCC rules. Instructions for maintaining compliance are given in the user instructions.	X	

Please do not hesitate to contact us for further explanations or comments.

Sincerely,



2023-05-18

Signature

Date

Printed Name of Signee: Dr. Dieter Plachke

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