

Declaration of conformity (DoC) for BUF* according ISO/TR 17534-1:2015

We

Wölfel Engineering GmbH + Co. KG
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declare under our sole responsibility that the product



IMMI 2024 from April 202 [551]

correctly and completely implements the calculation of sound propagation in agreement with
COMMISSION DIRECTIVE (EU) 2015/996/EU of 19 May 2015 according the national
legislation

*Anlage 2, Berechnungsmethode für den Umgebungslärm von Flugplätzen (BUF) / EN:
Appendix 2, Calculation method for environmental noise from airports (BUF)

Published in Bundesanzeiger from 5. Oktober 2021.

following the provisions of ISO 17534-1 "Acoustics — Software for the calculation of sound
outdoors — Quality requirements and quality assurance"

The declared conformity applies to any situation covered by the above calculation method.

Wölfel Engineering GmbH + Co. KG

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Table 70 — TRC-form for test cases

Test suite	Title	TEXTE 74/2019
	Place and date of publication	Germany, 06844 Dessau-Roßlau, Umweltbundesamt, March 2019
Calculation method	Title	Test scenarios for the determination of sound emissions from road, rail, industry and the calculation of the propagation of sound (BUB), the calculation of environmental noise from airports (BUF) and assessment of the noise exposure of affected persons (BEB) according to Directive (EU) 2015/996
	Place and date of publication	Germany, 06844 Dessau-Roßlau, Umweltbundesamt, March 2019

Test case No.	Centre frequency of active bands	Limits of certified results (A-weighted) in dB*		Software calculation result (A-weighted) in dB*	Results inside tolerance	Comments
		Upper	Lower		yes/no	
TC01	Lden					
IP01		65,5	64,5	65,0	yes	
IP02		77,1	76,1	76,7	yes	
IP03		76,8	75,8	76,3	yes	
IP04		60,8	59,8	60,3	yes	
IP05		66,6	65,6	66,1	yes	
IP06		58,5	57,5	58,0	yes	
IP07		56,6	55,6	56,1	yes	
IP08		46,9	45,9	46,4	yes	
IP09		51,4	50,4	50,8	yes	
IP10		44,6	43,6	44,1	yes	
IP11		44,6	43,6	44,0	yes	
IP12		49,6	48,6	49,1	yes	
IP13		48,3	47,3	47,8	yes	
IP14		41,6	40,6	41,1	yes	
IP15		47,3	46,3	46,8	yes	
IP16		39,4	38,4	38,9	yes	
IP17		39,3	38,3	38,8	yes	
IP18		70,6	69,6	70,1	yes	
IP19		37,8	36,8	37,3	yes	
IP20		39,4	38,4	38,9	yes	

* The maximum deviation from the reference levels is ± 0.5 dB. A maximum level deviation of ± 0.1 dB shall be aimed at.