Measurement-report

Antenna Gain

Report Reference No. .....:	**326659-TL7-5**
VDE File No. .....:	281300-5980-0877/326659
Date of issue: .....:	2025-05-20
Laboratory:	**VDE** Prüf- und Zertifizierungsinstitut GmbH
Laboratory Address.....:	Merianstrasse 28, 63069 Offenbach/Main; Germany
Applicant's name.....:	Andreas Stihl AG & Co. KG
Applicant's Address .....:	
Test item description.....:	Radio-Module
Trademark.....:	Stihl
Manufacturer.....:	Andreas Stihl AG & Co. KG
Type reference(s).....:	Smart Connector 1
Ratings.....:	3 V DC
Method of correction .....:	The correction value (G) was calculated from the difference of the radiated output power and the power level measured at the temporary antenna connector of the EUT. Calculation formula: $G = P_{radiated} - P_{conducted}$ with G: Correction value in dBi $P_{radiated}$: Radiated RF output power (e.i.r.p.) in dBm $P_{conducted}$: RF output power level, conducted (into 50 Ω) in dBm
Supplementary description .....:	$P_{conducted}$ was measured with the Power-meter connected to the temporary antenna connector of the UUT. For the conducted measurement the Burst-Average Value was recorded and compared to the maximum e.i.r.p.
Results .....:	

f / MHz	$P_{conducted}$ / dBm	$P_{radiated}$ / dBm	$G_{Calculated}$
2402	2,4	-0,4	**-2,8**
2440	2,4	-0,3	**-2,7**
2480	2,0	-1,7	**-3,7**

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
Tested by (Name, Signature) .....:	Hendrik Wissel	(Authorization of test report)
Function .....:	Testing engineer	

List of attachments (including a total number of pages in each attachment): ---	
Summary of testing: See verdict section.	
Tests performed (name of test and test clause): See verdict section.	**Testing location:** Merianstrasse 28 63069 Offenbach/Main; Germany

Photo of the device: