

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-12158-01-00
according to ISO/IEC 17025:2005

Period of validity: 2019-03-06 to 2021-04-26 Date of issue: 2019-03-06

Holder of certificate:

TÜV Rheinland Korea Ltd.(Communication Laboratory)
Young City, N-Tower,25, Mullaero 28-gil,Yeongdeungpo-gu
SEOUL 07298
REPUBLIC OF KOREA

Tests in the fields:

Wi-Fi, OpenADR, LoRaWAN, Thread

Department	Standard / in house procedure / Version	Title of standard or in house procedure (Deviations / Modifications of standard)	Test area / Reductions
Wi-Fi®	Wi-Fi Interoperability	Wi-Fi based on 802.11a, 802.11b, 802.11g in single, dual mode (802.11b and 802.11g) or multi-band(2.4GHz and 5GHz) products with WPA (Wi-Fi Protected Access®), WPA 2(Wi-Fi Protected Access 2), and EAP(Extensible Authentication Protocol) Wi-Fi CERTIFIED n v2.15 (2018.10) Wi-Fi Protected Setup™ v2.0.18 (2018.07) WMM® (Wi-Fi Multimedia™) v2.3 (2015.04) WMM Power Save v2.1.6 (2015.05) Wi-Fi Direct™ v1.7 (2018.06) Wi-Fi Passpoint™ v1.1 (2016.04) Wi-Fi Miracast™ v2.3 (2018.5) Wi-Fi Passpoint™ R2 v1.8 (2018.03) Wi-Fi PMF v1.4 (2017.05) Wi-Fi TDLS v1.0.2 (2013.09) Wi-Fi Voice Enterprise v1.1 (2015.07) Wi-Fi WMM-AC v1.0.6 (2014.02) Wi-Fi Direct Services v1.1 (2015.06) Wi-Fi CERTIFIED AC v2.4 (2017.08) Wi-Fi CERTIFIED WiGig v2.0 (2018. 07)	
OpenADR	OpenADR(Open Automated Demand Reponse)	OpenADR 2.0a Certification Test Specification V1.1.2 OpenADR 2.0b Certification Test Specification V1.1.2	
LoRaWAN	LoRaWAN Specification	LoRaWAN1.0.1final05Apr2016 LoRaEndDeviceCertificationEU V1.5(2017.06)	
Thread	Thread Group	Thread 1.1.1 Specification (13.02.2017) Thread Certification Test Plan V1.4 (2018.09)	