

RF Exposure Evaluation Report

Product Name : iSPECI BLE Adapter

Model No. : 1.0, 1.x (where x depends on the FW version)

FCC ID : XFIISPECIADAPMOD1

Applicant : Schindler elevators Ltd.

Address : Zugerstrasse 13 Ebikon 6030 Switzerland

Date of Receipt : Jun. 24, 2020

Date of Declaration : Nov. 23, 2020

Report No. : 2061050R-E3082100014

Report Version : V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Issued Date: Nov. 23, 2020
 Report No.: 2061050R-E3082100014



Product Name	iSPECI BLE Adapter	
Applicant	Schindler elevators Ltd.	
Address	Zugerstrasse 13 Ebikon 6030 Switzerland	
Manufacturer	UConnect International Co.,Ltd.	
Model No.	1.0, 1.x (where x depends on the FW version)	
FCC ID.	XFIISPECIADAPMOD1	
Trade Name	Schindler	
Applicable Standard	KDB 447498 D01 v06	<input type="checkbox"/> Minimum test separation distance \geq 20 cm <input checked="" type="checkbox"/> For low power devices
Test Result	Complied	

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Tested By : Wen Lee

(Senior Engineer / Wen Lee)

Approved By : Vincent Lin

(Director / Vincent Lin)

Revision History

Report No.	Version	Description	Issued Date
2061050R-E3082100014	V1.0	Initial issue of report.	2020-11-23

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	iSPECI BLE Adapter
Trade Name	Schindler
Model No.	1.0, 1.x (where x depends on the FW version)
FCC ID.	XFIISPECIADAPMOD1
Frequency Range	2402-2480MHz
Channel Number	Bluetooth V5.2: 40CH
Type of Modulation	Bluetooth V5.2: GFSK (1Mbps)
Antenna Type	Chip Antenna
Antenna Gain	Refer to the table “Antenna List”

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	TOPGAIN	CH2G4-6022-000D1-01	Chip Antenna	2.3dBi for 2.4 GHz

2. RF Exposure Evaluation

2.1. Standard Applicable

According to 1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

2.2. Measurement Result:

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1 (Power(mW)/separation (mm)*sqrt(f(GHz)) \leq 3.0), SAR is required as shown in the table below where calculated values are greater than 3.0:

Operation frequency = 2450MHz and antenna separation distance = 5mm

Body SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Maximum peak output power Peak Gain: 2.3dBi			SAR Test Exclusion Threshold	Calculated Threshold Value (\leq 3.0 SAR is not required)
	conducted (dBm)	EIRP (dBm)	EIRP (mW)	(mW)	
2480	-16.60	-14.74	0.04	19	0.012

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum peak output power is refer to report No.: 2061050R-E3032110111 from the DEKRA.