

The following comments accompany our test report ISL-18LR345FB-MA, issued 3 December 2019.
On the front title page, the test report incorrectly states "Class I PC". This is a full test report to FCC Part 15, subpart B, for a computing device.

Section 2.4 of the test report correctly lists the FCC Part 15 subpart B limits, for a Class B device. Section 5 of the test report, compliance with FCC 15.107, shows the Conducted AC Emissions test results. The plots show the European limits of EN 55022, which is not correct for FCC 15.107 compliance. However, examination of the test results does show that they comply with the Class B FCC limits.

Section 2.4 of the test report correctly lists the FCC Part 15 subpart B limits, for a Class B device. Section 6 of the test report, compliance with FCC 15.109, shows the Radiated Emissions test results. Below 1 GHz, the CISPR 22 limits are used, in accordance with FCC KDB 746324, although we can see the emissions do also meet the limits of FCC 15.109.

Section 6 of the test report, compliance with FCC 15.109, shows the Radiated Emissions test results. Above 1 GHz, the CISPR 22 limits have been applied to the plots, which is not correct for FCC 15.109 compliance. Examination of the test results does show they comply with the FCC 15.109 Class B limits. There is one emission which appears over the FCC average field strength limit at 1187 MHz. Page 25 (config 1, vertical polarization), page 27 (config 1, horizontal polarization), page 29 (config 2, vertical polarization), page 31 (config 2, horizontal polarization) show the emission at 1187 MHz. The emission measured with a peak detector shows compliance with the peak limit of 74 dBµV/m at 3m. The highest emissions were in the horizontal polarization. Therefore, on page 27 (config 1, horizontal polarization) and page 31 (config 2, horizontal polarization), the emission was tested with an average detector, which shows it is under the FCC 15.107 average limit of 54 dBµV/m at 3m.

The radiated emissions test states "Above 1 GHz" and plots are provided up to 18 GHz. The test lab has confirmed that radiated testing was performed up to 40 GHz, based on our 5825 MHz WLAN radio. The following test equipment was used by the test lab, as confirmed in subsequent communication from the lab to us and the TCB:

Rad. Above 1GHz	Horn Antenna 12 (18G~40G)	ETS-Lindgren	3116C-PA	00164816	12/11/2018	12/11/2019
Rad. Above 1GHz	Spectrum Analyzer 25	R&S	FSV 40	101499	11/01/2018	11/01/2019

The measurements were made in November 2018. We confirm that the device has not been modified since that time and therefore the test results are still applicable to this device.

Den Bosch, 16 June 2020.

ProDVX Europe BV
Europalaan 12F
5232 BC Den Bosch
The Netherlands

