



Signify Innovation labs EMC & Wireless Connectivity lab High Tech Campus 26 5656AE, Eindhoven, The Netherlands Tel. +31 06 43842446 Email EMC.Testlab@Signify.com	EMC TEST REPORT Xitanium 35W	Reference: EMC-20-TRP-6101-301 Date : 08 October 2020 Page : 1 of 58
Customer : Signify Netherlands B.V. - LED electronics Name : Nuel Koppen Address : High Tech Campus 44 Zip / City : 5656 AE Eindhoven Country : Netherlands		
Equipment Under Test (including peripherals): Model Name : Xitanium 35W 0.08-0.35A 220V MC21 230 Identification : 9290 016 939 Description : Xitanium non-isolated Wireless driver		
EMC Standards : ETSI EN 301 489-17: 2017-02 CISPR 15: 2013-05; A1: 2015-03 EN 55015: 2013-08; A1: 2015-05		
Test result : Passed		
Note : The results in this report apply only to the sample(s) and modes tested. It is the manufacturer's responsibility to assure the continued EMC compliance of production models.		
Date of receipt of EUT : 10 July 2020		
Date(s) of performance of test : From 27 July 2020 to 08 October 2020		
	Eindhoven, The Netherlands Edwin van Niftrik Sr EMC engineer	

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1. Responsibilities

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2. Summary of test results

Test	Standard	Result	Note
Emission ETSI EN 301 489-17			
Conducted emission	EN 55032	See EN 55015	0.15-30 MHz
Mains (AC/DC) power ports		Not Applicable	No wired network ports
Wired network port			
Radiated emission	EN 55032	See EN 55015	30-1000 MHz
Radiated emission	EN 55032	Passed	Above 1 GHz
Harmonic currents	EN 61000-3-2	Passed	
Voltage fluctuations	EN 61000-3-3	Passed	<200W not needed to test
Emission CISPR 15 / EN 55015			
Insertion loss ¹	CISPR 15	Not Applicable	0.15-1.605 MHz
Conducted disturbance at mains ports	CISPR 15	Passed	0.009-30 MHz
Conducted disturbance at load ports	CISPR 15	Not Applicable	No load port, control port
Conducted disturbance at control ports	CISPR 15	Not Applicable	0.15-30 MHz
Radiated disturbance (Large Loop)	CISPR 15	Not Applicable	f Lamp < 100Hz
Radiated disturbance	CISPR 32	Passed	30-300 MHz
	CISPR 32	Passed	300-1000MHz ²
Immunity ETSI EN 301 489-17			
Electrostatic discharges	EN 61000-4-2	Passed	4 kV contact, 8 kV air
Radiated, RF electromagnetic field	EN 61000-4-3	Passed	80-6000 MHz: 3 V/m
Electrical fast transient/bursts	EN 61000-4-4		
Mains terminal		Passed	1 kV
I/O lines		Not Applicable	No I/O lines
Surge	EN 61000-4-5		
Mains terminal			
Line to Line (L to N)		Passed	1 kV (0.5 kV)
Line to Ground (L to PE, N to PE)		Passed	2 kV (1 kV)
Wired Network port			
Indoor:			
Line or shield to Ground		Not Applicable	No wired network ports
Non-symmetrically Outdoor:			
Line to Line		Not Applicable	
Line or Shield to Ground		Not Applicable	
RF conducted disturbances	EN 61000-4-6	Passed	0.15-80 MHz (AM): 3 V
Voltage dips, interruptions & variations	EN 61000-4-11	Passed	100%-10 ms, 20 ms, 5 sec 30% - 500 msec.

Remarks:

The tested sample complies with the requirements set forth in:

ETSI EN 301 489-17: 2017-02
CISPR 15: 2013-05; A1: 2015-03
EN 55015: 2013-08; A1: 2015-05

for locations within Industrial environment or telecommunication centres.

¹ The insertion loss measurements are not within the scope of the accreditation of the EMC laboratory

² In addition to the requirements of CISPR 15 [2013]+A1[20015], radiated emissions have been measured up to 1000 MHz as described in CISPR 15 [2018]. This extended measurement is not under the scope of the accreditation.