

Annex 1: Measurement diagrams 20-1-0167901T03a-A1

Number of pages:	6	Date of Report:	2021-Mar-04
Testing company:	CETECOM GmbH Im Teelbruch 116 45219 Essen Germany Tel. + 49 (0) 20 54 / 95 19-0 Fax: + 49 (0) 20 54 / 95 19-150	Applicant:	Geolux d.o.o.
Product: Model:	Water Level Sensor LX80		
FCC ID:	2AN9LX801	IC:	26475-LX801
Testing has been carried out in accordance with:	FCC Regulations: Title 47 CFR, Chapter I FCC Regulations, Subchapter A Subpart B: §15.109 (Class B limits) ISED Regulations: ICES-003, Issue 6 (2016+Update 2019) Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".		



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1 Measurement diagrams

3.01_laying

Common Information

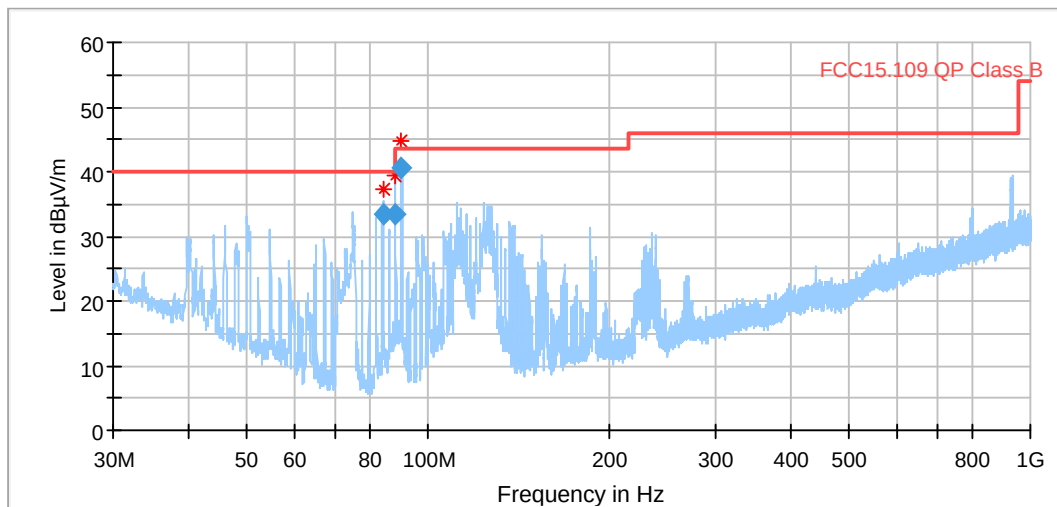
Test Description: Radiated field strength emission in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC 15.109 Unintentional Radiator
Antenna polarisation: horizontal/vertical

Operating Mode: OP. mode1
Environmental Conditions: Humidity : 40% rH; Temperature: 20 °C
Operator: HLA
Verdict: Passed

EUT Information

PMT number: 20-1-01679S02_C01
Manufacturer: Geolux d.o.o.

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
84.156000	33.44	40.00	6.56	1000.0	120.000	105.0	V	216.0	7.7
88.334000	33.51	43.50	9.99	1000.0	120.000	161.0	V	241.0	8.1
90.450000	40.67	43.50	2.83	1000.0	120.000	138.0	V	201.0	8.2

3.01_Standing

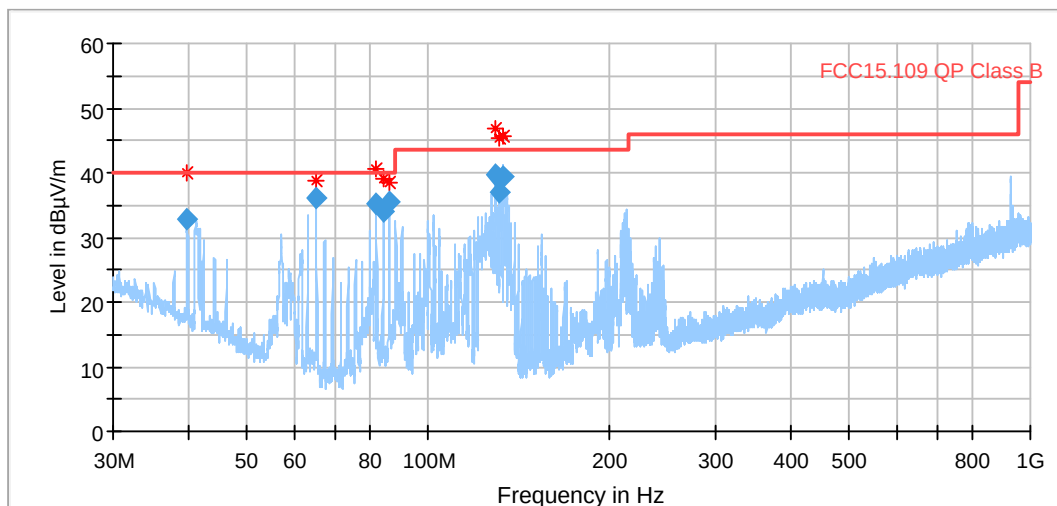
Common Information

Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	OP. mode1
Environmental Conditions::	Humidity : 40% rH; Temperature: 20 °C
Operator:	HLA
Verdict:	Passed

EUT Information

PMT number:	20-1-01679S02_C01
Manufacturer:	Geolux d.o.o.

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
39.692000	32.70	40.00	7.30	1000.0	120.000	213.0	H	148.0	17.3
65.230000	35.98	40.00	4.02	1000.0	120.000	111.0	V	154.0	7.2
82.104000	35.09	40.00	4.91	1000.0	120.000	134.0	V	192.0	7.4
84.124000	34.08	40.00	5.92	1000.0	120.000	105.0	V	171.0	7.7
86.310000	35.53	40.00	4.47	1000.0	120.000	109.0	V	95.0	8.0
129.422000	39.77	43.50	3.73	1000.0	120.000	181.0	H	122.0	8.9
131.430000	36.90	43.50	6.60	1000.0	120.000	171.0	H	124.0	9.2
133.494000	39.53	43.50	3.97	1000.0	120.000	186.0	H	124.0	9.6

4.01

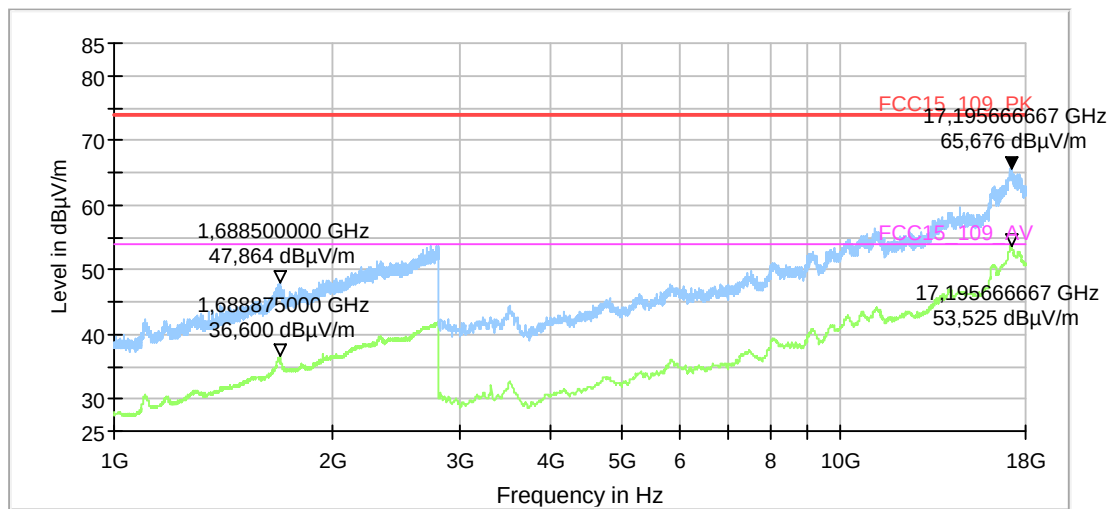
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	Op. mode 1
Operator:	HLA
	Downlink channel middle:
	Internal/External Antenna of EUT used
Environmental Conditions::	Humidity : 40% rH; Temperature: 20 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	20-1-01679S02_C01
Manufacturer:	Geolux d.o.o.

Full Spectrum



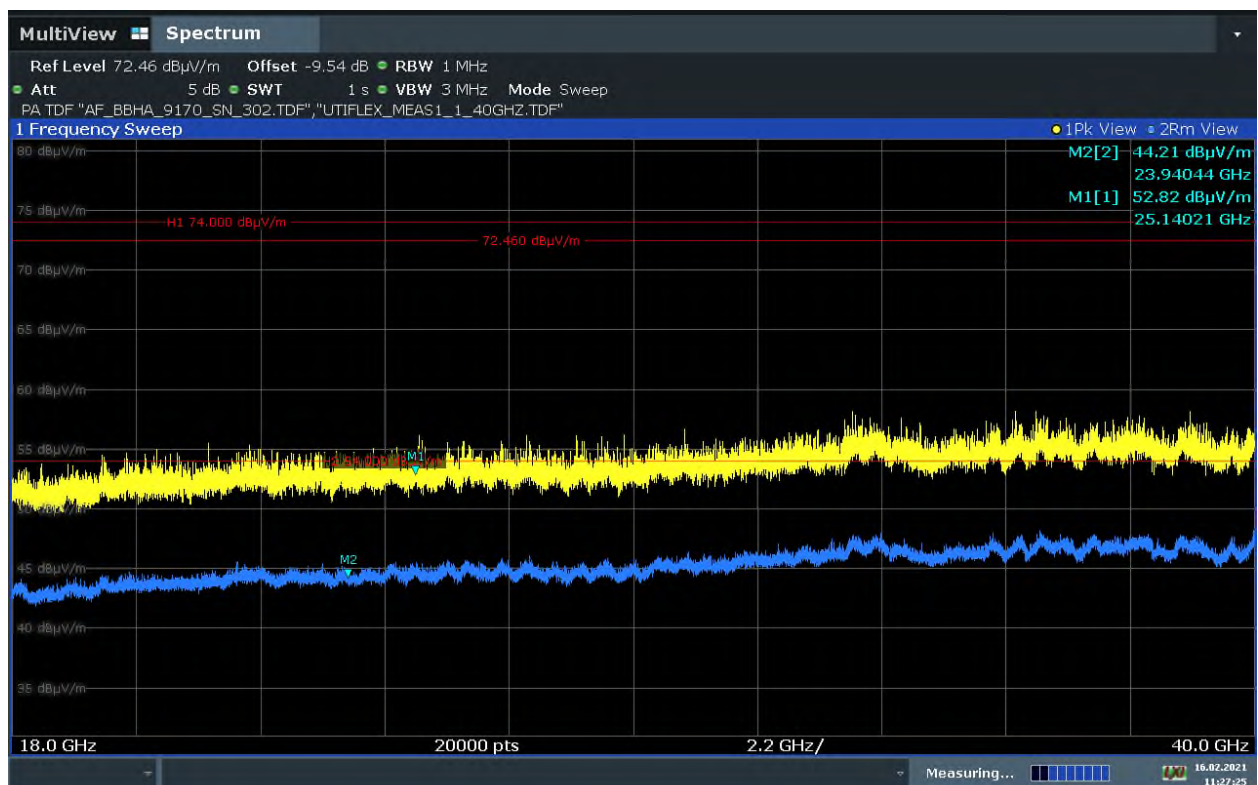
4.02

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	Op. mode 1
Operator:	HLa
	Downlink channel middle:
	Internal/External Antenna of EUT used
Environmental Conditions::	Humidity : 40% rH; Temperature: 20 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	20-1-01679S02_C01
Manufacturer:	Geolux d.o.o.



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