

Annex 1: Measurement diagrams to Test Report 18-1-0029001T02b-C1

Number of pages:	7	Date of Report:	2020-May-27
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:	ELOKON GMBH
Test Object / Tested Device(s):	Verification Unit, 100874		
FCC ID:	2ASP7-VERIFM-V01	IC:	--
Testing has been carried out in accordance with:	Title 47 CFR, Chapter I FCC Regulations, Subchapter A Subpart B: §15.107, §15.109 (Class B limits)		

1 Measurement diagrams

1.08_Verification_Panel

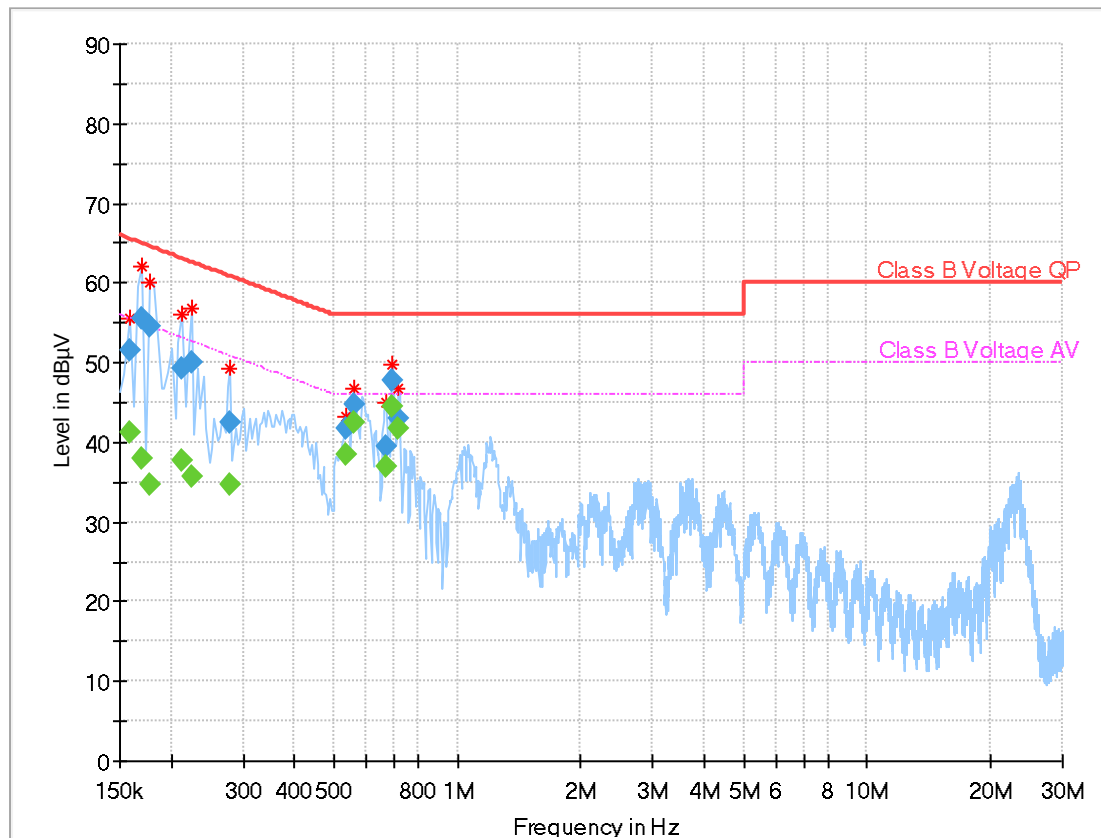
Common Information

Test Description:	Conducted Voltage Measurement Class B
Test Site & Location:	Conducted Emission, CETECOM GmbH Essen
Test Software:	R&S EMC32 v9.15
Test Specification:	FCC 15.107
Operating Mode:	Verification Panel - Relay On/Off - UWB Off
Measured on line:	N/L1
Diagram details:	Shows the peak values as a sum of measured ports in maxhold mode
Environmental Conditions:	Humidity: 45%rH; Temperature: 20°C
Operator:	JVo
Comments:	120V AC

EUT Information

Manufacturer:	ELOKON GmbH
Model:	Verification Panel
Type:	ELOshield Personal Warning System
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EUT:	100874
HW version:	1.1
SW version:	1.1.0.1
Config:	Elo Shield Manager 1.1.9.8
Serial number:	17080002
Connected Interfaces:	120V AC, USB cable
Power Supply:	120V AC
Comments:	Spectrum Test, mod 3, UWB ON

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)
0.157813	---	41.13	55.58
0.157813	51.44	---	65.58
0.169531	---	38.05	54.98
0.169531	55.61	---	64.98
0.177344	54.48	---	64.61
0.177344	---	34.64	54.61
0.212500	49.23	---	63.11
0.212500	---	37.66	53.11
0.224219	49.91	---	62.66
0.224219	---	35.74	52.66
0.278906	42.47	---	60.85
0.278906	---	34.66	50.85
0.532813	---	38.41	46.00
0.532813	41.70	---	56.00
0.556250	---	42.39	46.00
0.556250	44.81	---	56.00
0.669531	---	36.97	46.00
0.669531	39.45	---	56.00
0.692969	---	44.51	46.00
0.692969	47.73	---	56.00
0.720313	---	41.66	46.00
0.720313	42.92	---	56.00

3.01_FCC_15B_30MHz_1GHz_Laying

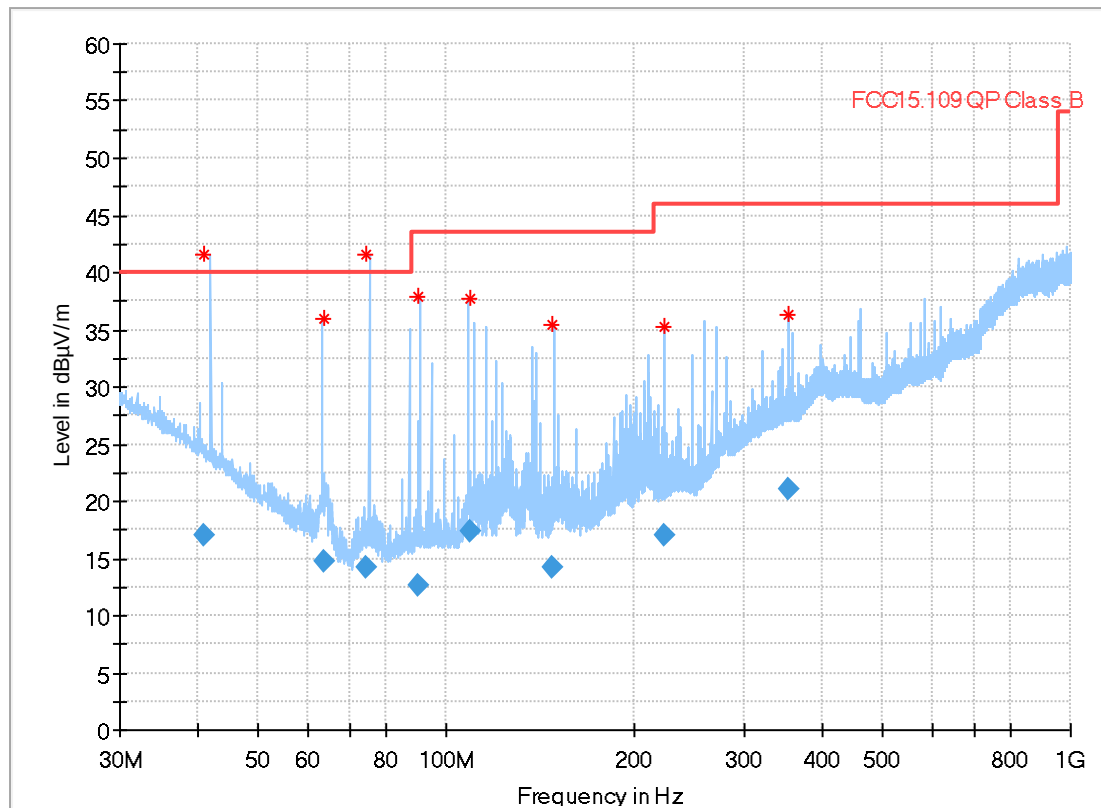
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	not used
Used filter:	not used
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.109 Class B; RSS-Gen. Issue 5
Operator:	MKh
Operating Mode:	Op.Mode1
Power during tests:	120V AC, 60 Hz
Environmental Conditions.:	Humidity : 53,5%rH; Temperature: 24,3°C
EUT Setup:	Laying
Verdict:	Passed

EUT Information

Manufacturer:	ELOKON GmbH
Model:	Verification Unit
Type:	ELOshield Personal Warning System
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EUT:	100874
HW version:	tbd
SW version:	tbd
SVN:	-
Config:	Elo Shield Manager 1.1.9.8
Serial number:	17080002
Connected Interfaces:	120V AC, USB cable
Power Supply:	120V AC
Comments:	Spectrum Test, mod 3, UWB ON

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
40.980000	17.03	40.00	22.97	120.000	237.0	V	337.0	16.7
63.840000	14.70	40.00	25.30	120.000	137.0	V	174.0	7.6
74.250000	14.27	40.00	25.73	120.000	173.0	V	146.0	6.7
90.130000	12.65	43.50	30.85	120.000	336.0	V	149.0	8.2
109.230000	17.31	43.50	26.19	120.000	139.0	V	197.0	8.2
148.110000	14.16	43.50	29.34	120.000	194.0	V	353.0	8.6
223.320000	17.07	46.00	28.93	120.000	162.0	H	134.0	12.5
353.720000	21.07	46.00	24.93	120.000	114.0	H	297.0	16.7

4.01_FCC_15B_1GHz_18GHz

Common Information

Test Description:	Radiated Field Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.109, class B / RSS-Gen., Issue 5
Operating Mode:	--
Equipment Class:	Class B
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	MKh

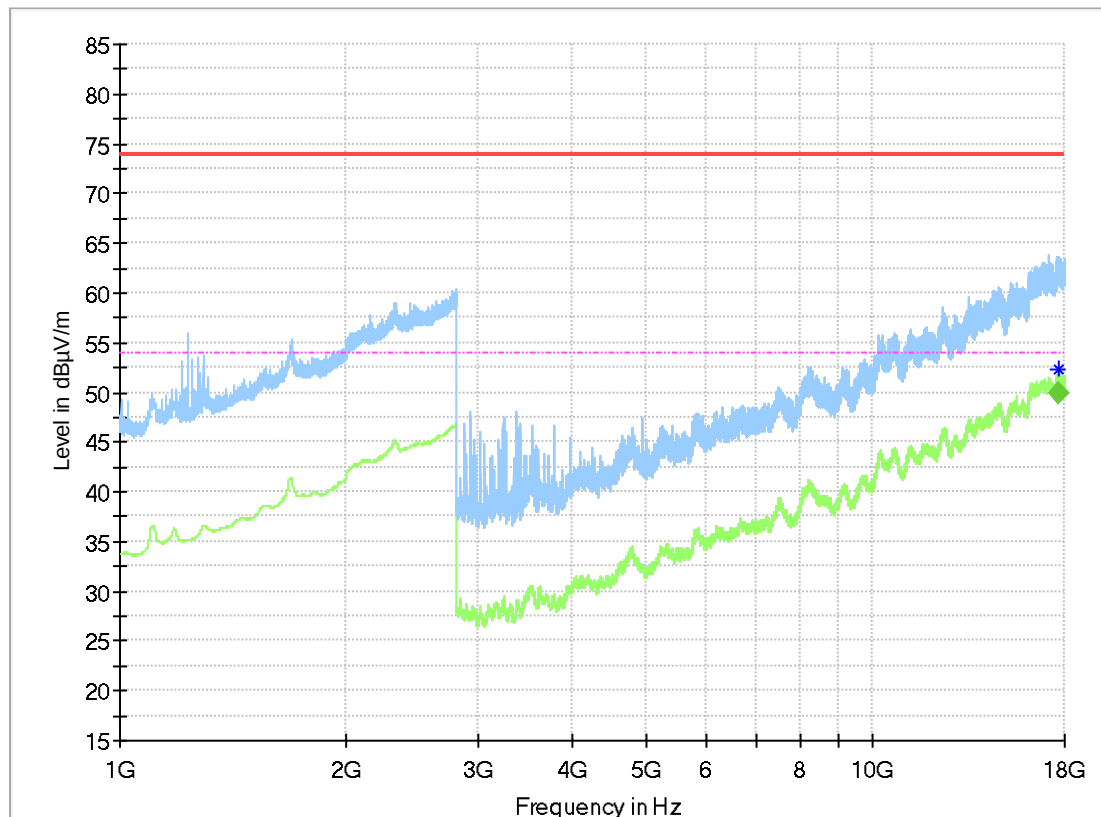
EUT Information

Manufacturer:	ELOKON GmbH
Model:	Verification Panel
Type:	ELOshield Personal Warning System

EUT:	100874
HW version:	1.1
SW version:	1.1.0.1
SVN:	-
Config:	Elo Shield Manager 1.1.9.8
Serial number:	17080002
Connected Interfaces:	120V AC, USB cable
Power Supply:	120V AC

Full Spectrum

Full Spectrum

**Final Result**

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
17655.460000	49.85	54.00	4.15	100.0	V	358.0	90.0	26.0

End Of Annex 1