

Annex 1: Measurement diagrams to Test Report 18-1-0097204T01a-A1

Number of pages:	6	Date of Report:	2021-Aug-17
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:	Actia Nordic AB
Test Object / Tested Device(s):	Telematics Device / 103360002		
FCC ID:	2AGKK103360002	ISED ID:	20839-103360002
Testing has been carried out in accordance with:	Title 47 CFR, Chapter I FCC Regulations, Subchapter A Subpart B: §15.109 (Class B limits) ISED Regulations ICES-003, Issue 6 (Class B limits) Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".		

1 Measurement diagrams

3.01_Laying

Common Information

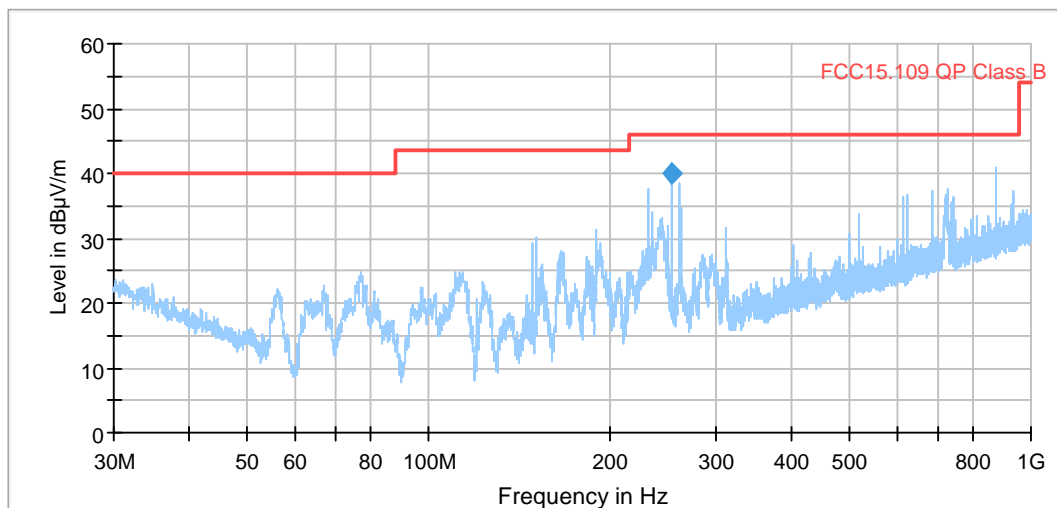
Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	Op. mode 1
Environmental Conditions:	Humidity : 22%rH; Temperature: 50°C
Operator:	HLa
Verdict:	Passed

EUT Information

PMT number:	18-1-00972S20_C03
Manufacturer:	ACTIA Nordic AB
Product:	Telematics Device
Model:	103360002

HW version:	H1
SW version:	1
Serial number:	AN103350102B160
Power Supply:	13.8VDC

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin	Meas. Time (ms)	Bandwidth (h)	Height (t)	Pol	Azimuth (h)	Corr. (dB/m)
253.049000	39.91	46.00	6.09	1000.0	120.000	163.0	H	151.0	13.2

3.01_Standing

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

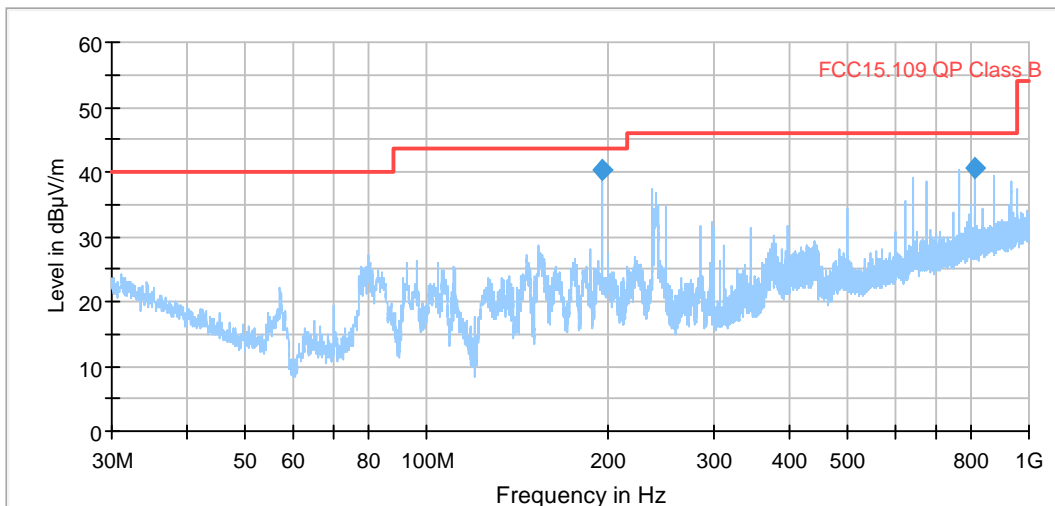
Operating Mode: Op. mode 1
 Environmental Conditions: Humidity : 22%rH; Temperature: 50°C
 Operator: HLa
 Verdict: Passed

EUT Information

PMT number: 18-1-00972S20_C03
 Manufacturer: ACTIA Nordic AB
 Product: Telematics Device
 Model: 103360002

 HW version: H1
 SW version: 1
 Serial number: AN103350102B160
 Power Supply: 13.8VDC

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin	Meas. Time (ms)	Bandwidth (Hz)	Height (dB)	Pol	Azimuth	Corr. (dB/m)
195.665000	40.36	43.50	3.14	1000.0	120.000	109.0	V	203.0	11.5
812.495000	40.50	46.00	5.50	1000.0	120.000	136.0	V	184.0	25.2

4.01_laying

Common Information

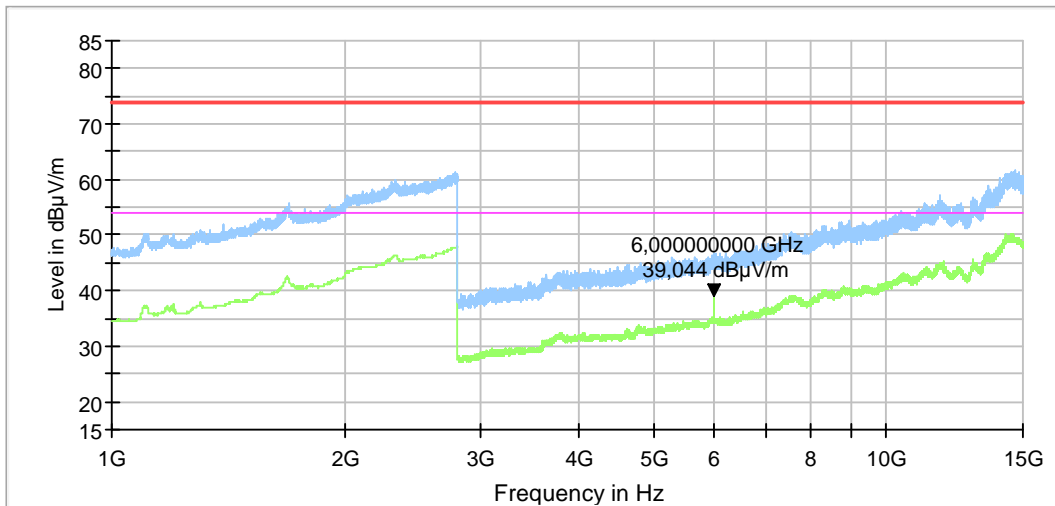
Test Description:	Radiated Filed Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode:	op1
Equipment Class:	Class B
Environmental Conditions::	Humidity : 65%rH; Temperature: 22°C
Operator:	HLa
EUT Setup:	1
Verdict:	Passed
Comment:	

EUT Information

PMT number:	18-1-00972S20_C03
Manufacturer:	ACTIA Nordic AB
Product:	Telematics Device
Model:	103360002

HW version:	H1
SW version:	1
Serial number:	AN103350102B160
Power Supply:	13.8VDC

Full Spectrum



4.01_standing

Common Information

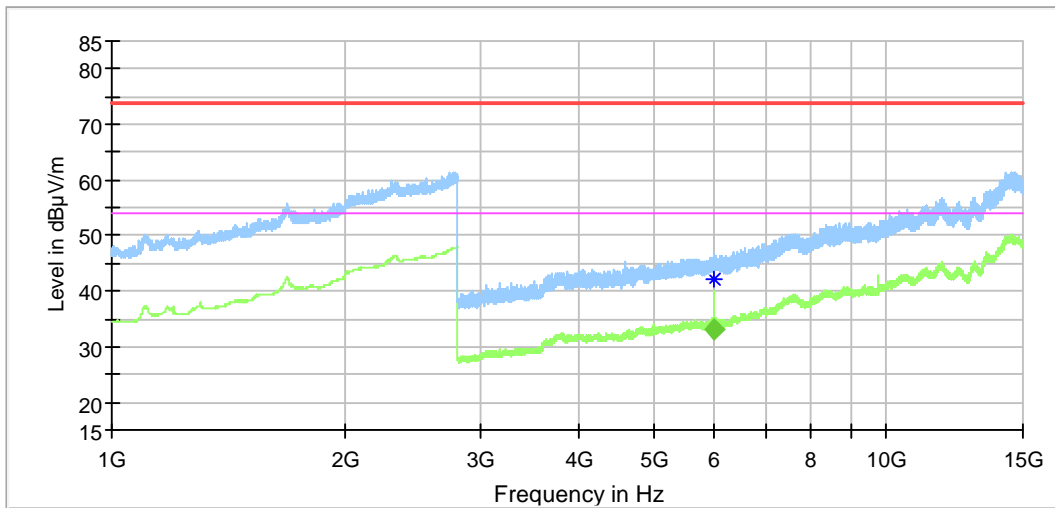
Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	Op. mode 1
Environmental Conditions:	Humidity : 22%rH; Temperature: 50°C
Operator:	HLA
Verdict:	Passed

EUT Information

PMT number:	18-1-00972S20_C03
Manufacturer:	ACTIA Nordic AB
Product:	Telematics Device
Model:	103360002

HW version:	H1
SW version:	1
Serial number:	AN103350102B160
Power Supply:	13.8VDC

Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
6000.420000	---	54.00	20.82	100.0	1000.000	V	57.0	0.0	7

4.02

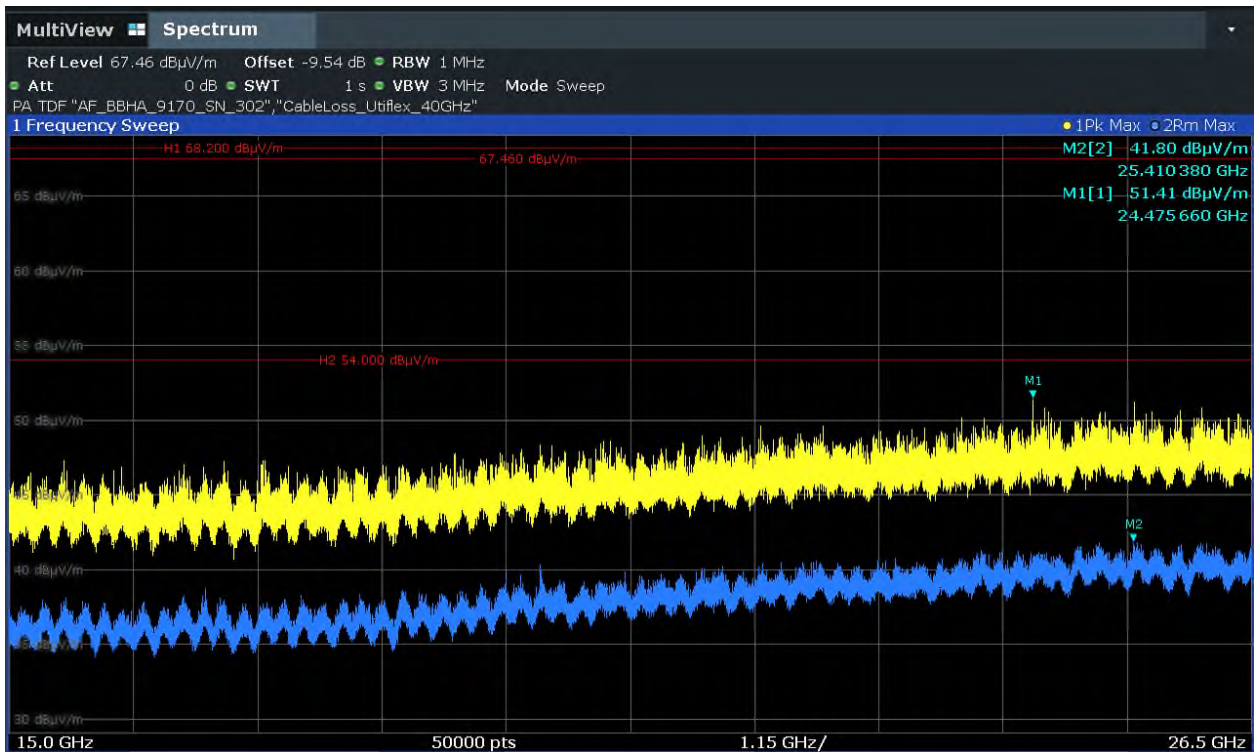
Common Information

Test Description:	Electric Fieldstrength Measurement
Test Spec.:	FCC 109 Class B/ ICES-003, Issue 6 Class B
Antenna:	receiving antenna is directed to all sides
Operating Mode:	OP. mode 1
Environmental Conditions::	Humidity : 40%rH; Temperature: 20°C
Operator:	HLa

EUT Information

PMT number:	18-1-00972S20_C03
Manufacturer:	ACTIA Nordic AB
Product:	Telematics Device
Model:	103360002

HW version:	H1
SW version:	1
Serial number:	AN103350102B160
Power Supply:	13.8VDC



End Of Annex 1