

Annex 1: Measurement diagrams 20-1-0039701T016a-A1

Number of pages:	5	Date of Report:	2023-Jan-09
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
Product: Model:	Telematic Device 105560001		
FCC ID:	Cellular: Contains FDD ID: QIPEXS82-W Bluetooth: 2AGKK105560001	IC:	Cellular: Contains IC ID: 7830A-EXS82W Bluetooth: 20839-105560001
Testing has been carried out in accordance with:	FCC Regulations Title 47 CFR, Chapter I, Subchapter A, Part 15 Subpart B Unintentional Radiators § 15.107 Conducted limits § 15.109 Radiated emission limits ISED-Regulations Radio Standards Specification RSS-Gen, Issue 5 General Requirements for Compliance of Radio Apparatus ICES-003, Issue 7 Information Technology Equipment (including Digital Apparatus)		



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1 Measurement diagrams

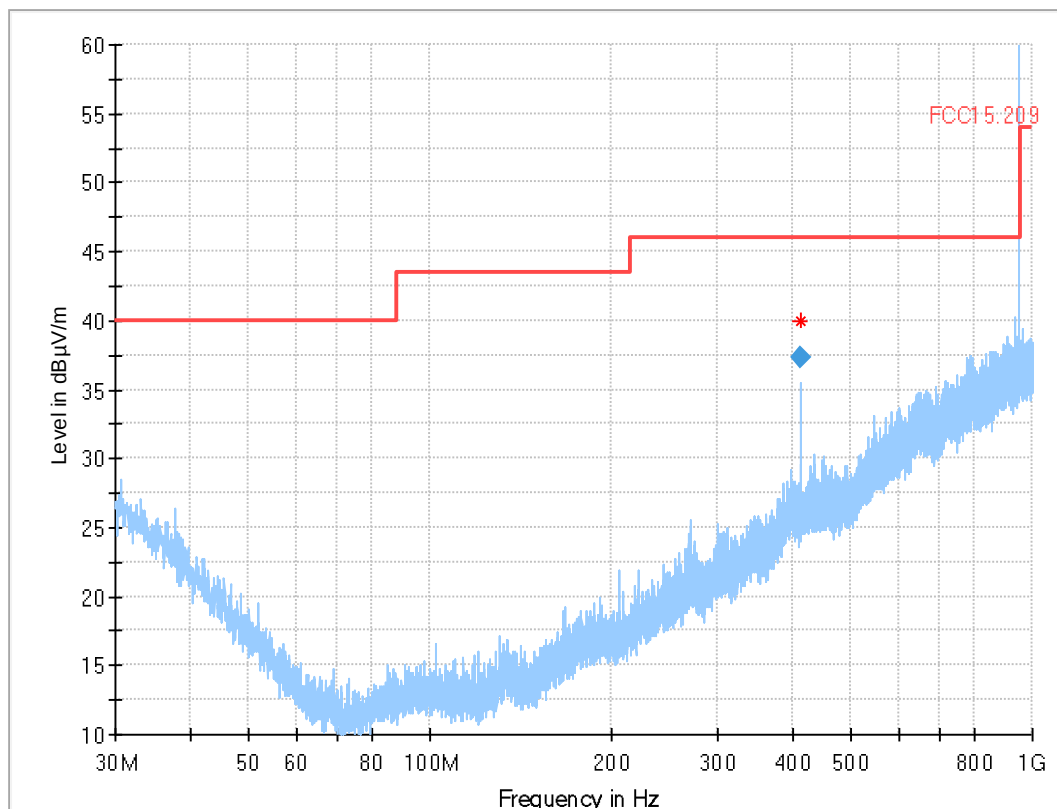
3.01

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209 & RSS Gen. Issue 5
Antenna polarisation:	horizontal/vertical
Environmental Conditions::	Humidity : 40%rH; Temperature: 30°C
Operator Name:	Mar
Operating Mode:	Op mode 1

EUT Information

PMT Sample Nr.	20-1-00397S18_C01
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Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Sig Path (dB)	Preamp (dB)
411.390000	37.27	46.00	8.73	120.000	100.0	H	232.0	19.3	0.0	2.1

4.01

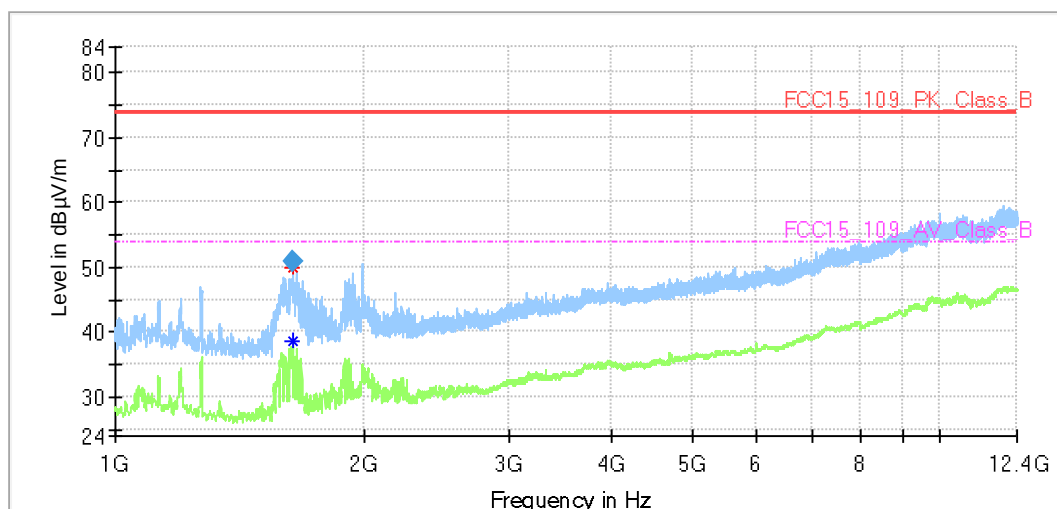
Common Information

Test Description:	Radiated Filed Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode:	Operator, please fill in the operating mode
Equipment Class:	Class B
Environmental Conditions:	Humidity: 40%rH; Temperature:20C
Operator:	Setup:
Verdict:	Passed

EUT Information

PMT Sample Nr.	20-1-00397S18_C01
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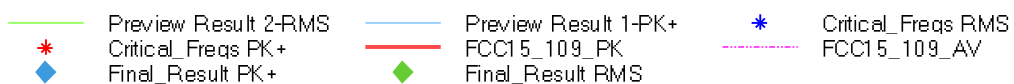
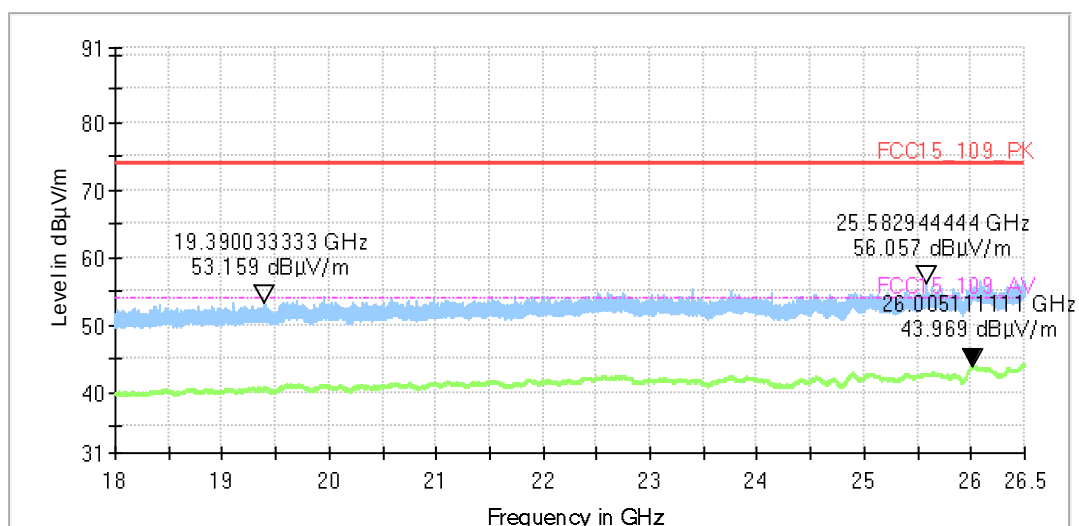
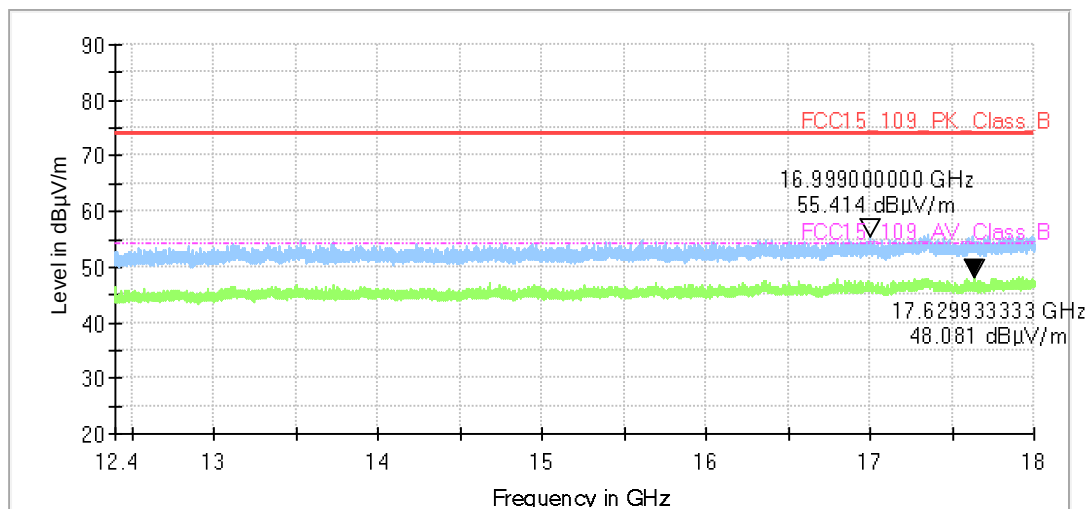
Full Spectrum



Final Result PK+

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azim uth (deg)	Elevati on (deg)	Corr. (dB/m)
1639.718000	50.75	74.00	23.25	1000.000	150.0	V	135.0	90.0	-12.7

Full Spectrum



End Of Annex 1