

Annex 1: Measurement diagrams to Test Report 19-1-0173601T07a-C2

Number of pages:	5	Date of Report:	2020-Dec-14
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:	Continental Advanced Antenna GmbH
Test Object / Tested Device(s):	RKE-Transceiver/ RKE232E1		
ISED ID:	2ACC7RKE232E1	ISED ID:	11980A-RKE232E1
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 RSS-Gen, Issue 5 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

Common Information

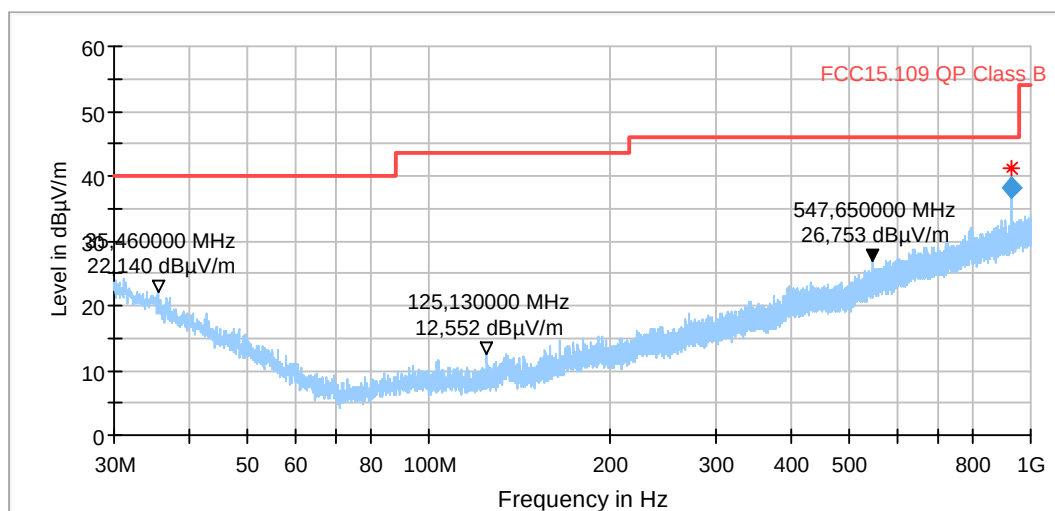
Test Description:	Electric Fieldstrength Measurement
Test Spec.:	FCC 109 Class B limits / ICES-003, Issue 6/ RSS-Gen, Issue 5
Antenna:	receiving antenna is directed to all sides
Operating Mode:	Polling mode
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
Operator:	HLA/JRi
Verdict:	Passed
Comment:	Laying

EUT Information

PMT number:	19-1-01736S18_C01
Manufacturer:	Continental Advanced Antenna GmbH
Product:	RKE Transceiver
Model:	RKE232E1

HW version:	13620027B02V02
SW version:	V11.31
Power Supply:	12 V DC

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)
928.408000	38.10	46.00	7.90	1000.0	120.000	360.0	V	187.0	27.0

3.02

Common Information

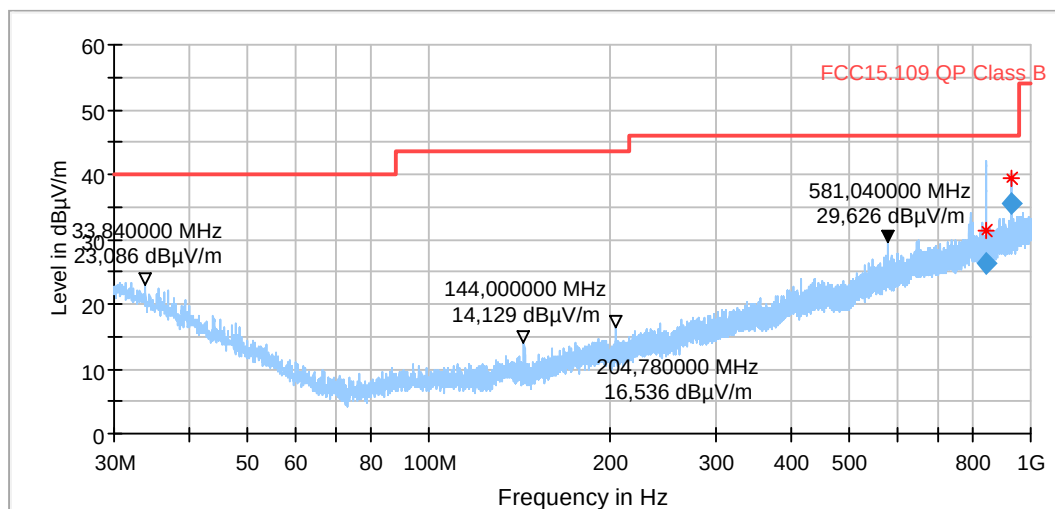
Test Description:	Electric Fieldstrength Measurement
Test Spec.:	FCC 109 Class B limits / ICES-003, Issue 6/ RSS-Gen, Issue 5
Antenna:	receiving antenna is directed to all sides
Operating Mode:	Polling mode
Environmental Conditions::	Humidity : 40%rH; Temperature: 20°C
Operator:	HLA/JRi
Verdict:	Passed
Comment:	Standing

EUT Information

PMT number:	19-1-01736S18_C01
Manufacturer:	Continental Advanced Antenna GmbH
Product:	RKE Transceiver
Model:	RKE232E1

HW version:	13620027B02V02
SW version:	V11.31
Power Supply:	12 V DC

Full Spectrum



4.01_Standing

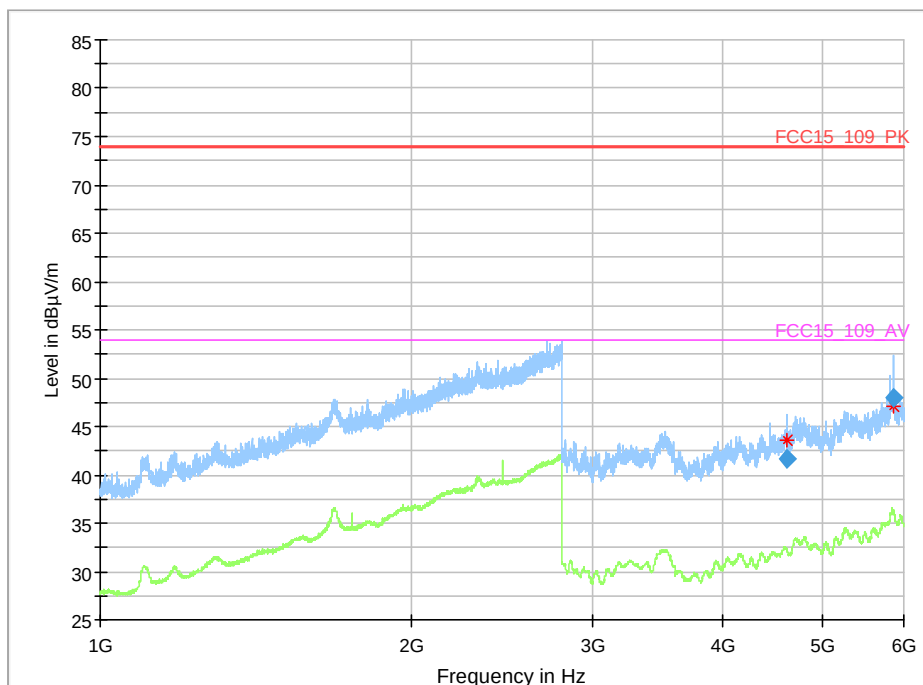
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Test Standard:	FCC 109 Class B limits / ICES-003, Issue 6/ RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operating Mode:	OP. mode1
Operator:	HEI
Environmental Conditions:	Humidity : 42%rH; Temperature: 22°C
Verdict:	Passed

EUT Information

PMT number:	19-1-01736S18_C01
Manufacturer:	Continental Advanced Antenna GmbH
Product:	RKE Transceiver
Model:	RKE232E1
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HW version:	13620027B02V02
SW version:	V11.31
Power Supply:	12 V DC

Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin	Meas. Time (ms)	Bandwidth (Hz)	Height	Pol	Azimuth (h)	Elevation (n)	Corr. (dB/m)
4629.655000	41.65	74.00	32.35	100.0	1000.000	155.0	V	118.0	0.0	5
5858.648333	47.99	74.00	26.01	100.0	1000.000	155.0	H	140.0	90.0	9

4.02_laying

Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
 Test Standard: FCC 109 Class B limits / ICES-003, Issue 6/ RSS-Gen, Issue 5
 Antenna polarisation: horizontal/vertical

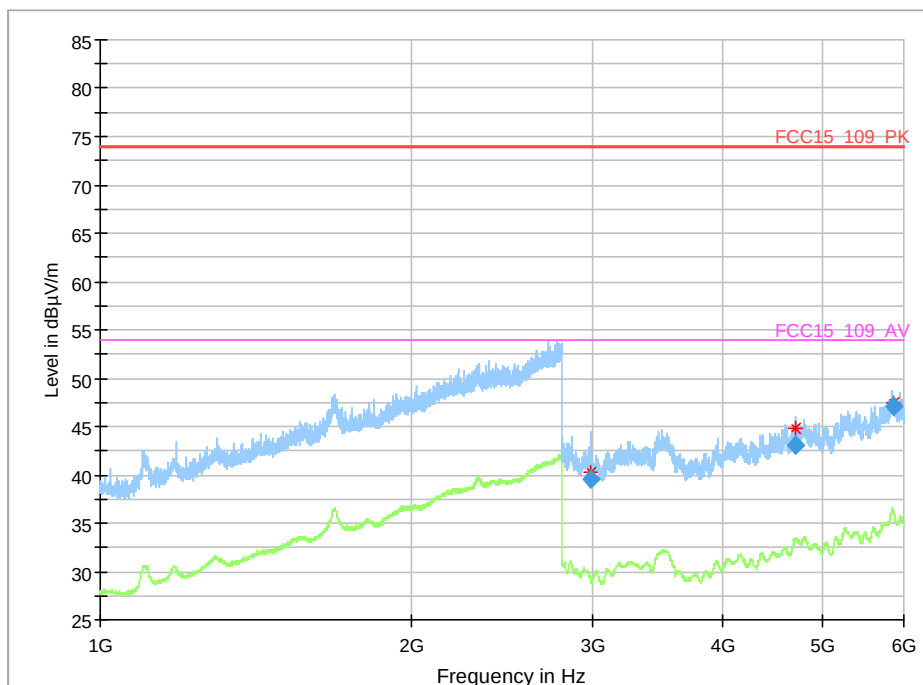
Operating Mode: OP. mode1
 Operator: HEI
 Environmental Conditions: Humidity : 42%rH; Temperature: 22°C
 Verdict: Passed

EUT Information

PMT number: 19-1-01736S18_C01
 Manufacturer: Continental Advanced Antenna GmbH
 Product: RKE Transceiver
 Model: RKE232E1

HW version: 13620027B02V02
 SW version: V11.31
 Power Supply: 12 V DC

Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin	Meas. Time (ms)	Bandwidth (Hz)	Height	Pol	Azimuth	Elevation	Corr. (dB/m)
2987.007000	39.61	---	74.00	34.39	100.0	1000.000	155.0	V	20.0	90.0	1
4714.919334	43.13	---	74.00	30.87	100.0	1000.000	155.0	V	51.0	90.0	6
5856.320000	47.03	---	74.00	26.97	100.0	1000.000	155.0	V	42.0	90.0	10

End Of Annex 1