

Annex 1: Measurement diagrams 19-1-0173606T03_C1

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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
Product: Model:	RKE-Transceiver RKE232E1		
FCC ID:	2ACC7RKE232E1	IC:	11980A-RKE232E1
Testing has been carried out in accordance with:	FCC Regulations: Title 47 CFR, Chapter I, Subchapter A, Subpart C: §15.231 ISED Regulations: RSS-210, Issue 10, Annex A 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

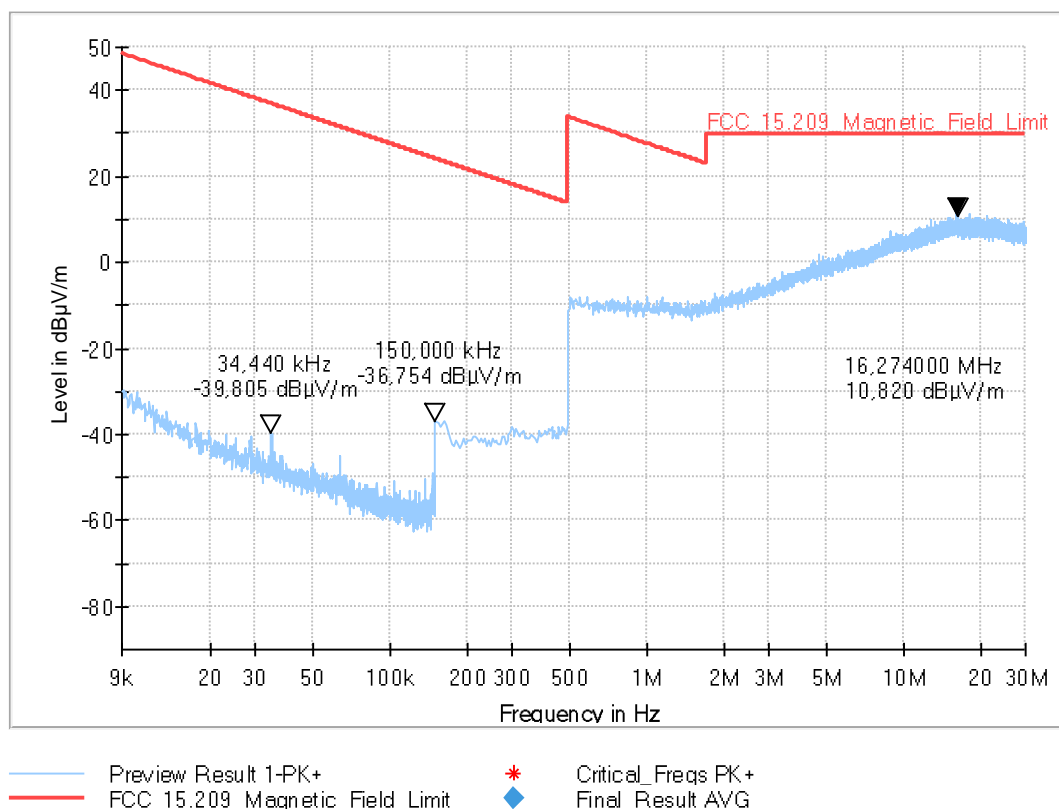
1.1 Magnetic field strength from 9 kHz up to 30 MHz

Diagram No. 2.01_RSE_9kHz-30MHz_ant2ch2

Common Information

Test description:	Electric Field Strength Measurement related to 3m distance
Test site and distance:	Semi Anechoic Chamber 2 (SAC5) with 3m measurement distance
Test Location:	CETECOM GmbH Düsseldorf
Version of Testsoftware:	EMC32 V10.60.10
Test specification:	FCC15.209 / RSS-Gen Issue 5
Distance correction:	300/30 m to 3 m
Operating Mode:	FCC TX ant2 ch2 modulated signal
Technical Data:	Please see page 2 for detailed data of measurement setup
Used filter:	none up to 3GHz / High Pass from 3GHz
Power during test:	Battery powered
Operator:	GHu
Verdict:	Pass

Full Spectrum

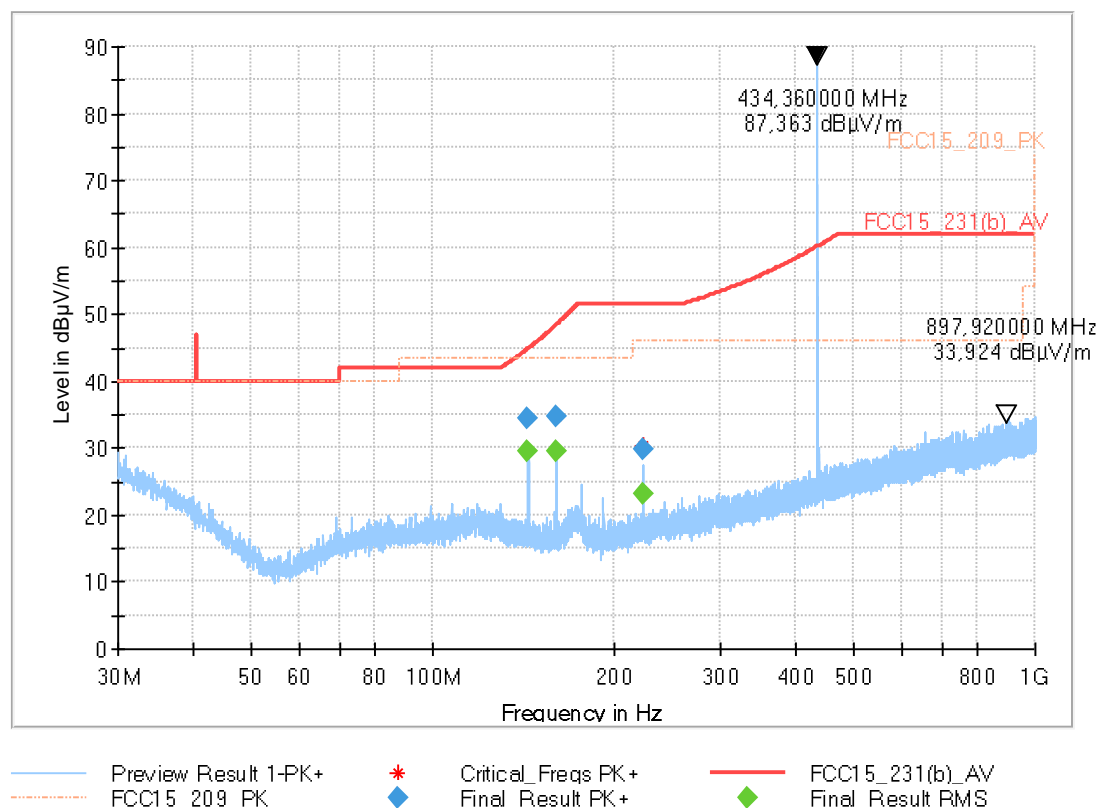


1.2 Electrical field strength measurements 30 MHz up to 1 GHz

Diagram No. 3.02_RSE_30MHz-1GHz_ant2ch2

Test Description:	Electric Fieldstrength Measurement above 1GHz
Test Site & Location:	Semi Anechoic Chamber 2 (SAC); CETECOM GmbH Düsseldorf
Version of Testsoftware:	EMC32 V10.60.10
Test Specification:	FCC15.209; RSS-Gen.: Issue 5
Operating Mode:	FCC TX ant2 ch2 modulated
Power during test:	Battery powered
Used Filter:	none
Distance correction:	no, measurement in 3m Distance with 3m Limits
Environmental conditions:	Humidity: 49 %rH; Temperature: 24°C
Operator:	GHu
Verdict:	Pass
Comment:	The fundamental emission at 434.36 MHz is irrelevant to the limit. The measurement is performed with peak detector. The average based value is to be calculated with duty-cycle correction.

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBμV/ m)	Limit (dBμV/ m)	Margin (dB)	Bandwidth h (kHz)	Height (cm)	Pol	Azimuth h (deg)	Corr. (dB)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB)	Raw Rec (dBμV)
143.980000	34.36	44.75	10.40	100.000	287.0	V	161.0	10.7	1	0	9	24
143.980000	---	---	---	100.000	287.0	V	161.0	10.7	1	0	9	19
159.980000	34.62	48.22	13.60	100.000	300.0	V	109.0	10.6	1	0	9	24
159.980000	---	---	---	100.000	300.0	V	109.0	10.6	1	0	9	19
223.980000	---	---	---	100.000	301.0	V	254.0	11.5	2	0	10	12
223.980000	29.83	51.48	21.65	100.000	301.0	V	254.0	11.5	2	0	10	18

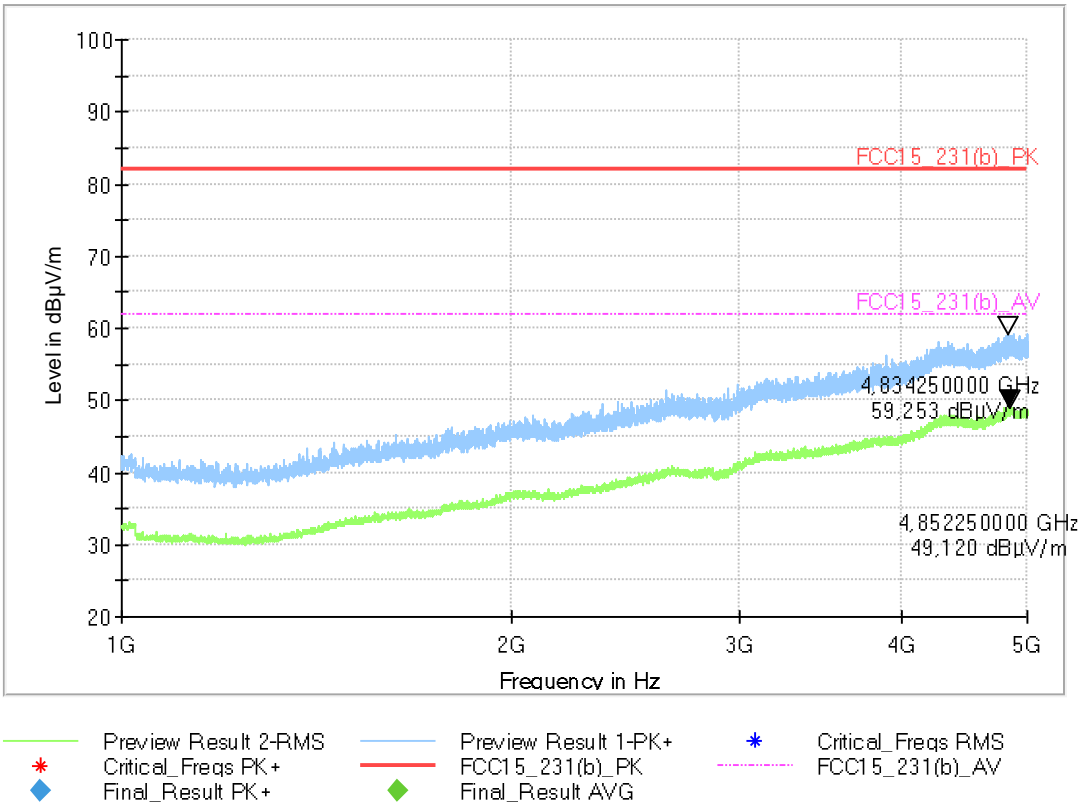
1.3 Electrical field strength measurements 1GHz to 5GHz

Diagram No. 8.03_RSE_1-5GHz_ant2ch2

Common Information

Test Description:	Electric Fieldstrength Measurement above 1GHz
Test Site & Location:	Semi Anechoic Chamber 2 (SAC); CETECOM GmbH Düsseldorf
Version of Testsoftware:	EMC32 V10.60.10
Test Specification:	FCC15.209, RSS-Gen.: Issue 5
Operating Mode:	FCC TX ant2 ch2 modulated
Used Filter:	none
Distance correction:	no, measurement in 3m Distance with 3m Limits
Environmental conditions:	Humidity: 34%rH; Temperature: 21.3°C, Pressure: 1023Pa
Operator:	GHu
Verdict:	Pass

Full Spectrum



End of Annex 1