



## TEST REPORT nr. R12052901

### Federal Communication Commission (FCC)

### Industry Canada (IC)

#### Test item

Description.....: Transceiver Unit  
Trademark.....: AUTEK  
Model/Type.....: Model RLB Type CA00M

#### Test Specification

Standard .....: FCC Rules & Regulations, Title 47 (2011) - Part 15 paragraph(s) : 207, 209, 215 and 249  
RSS-210 (2010) – Annex 2 (A2.9)

**Client's name**.....: AUTEK S.r.l.

Address .....: Via Pomaroli, 65 - 36030 Caldogno (VI) - ITALY

**Manufacturer's name**.: Same ad client

Address .....: --

#### Report

Tested by.....: A. Bertezolo - *Technician*

Approved by.....: R. Beghetto - *Laboratory Manager*

Date of issue.....: 25.07.12

Contents .....: 55 pages

This test report shall not be reproduced except in full without the written approval of CMC.  
The test results presented in this report relate only to the item tested.



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<b>1. Summary</b>			
Standard: FCC Rules & Regulations, Title 47 RSS-210 (2010) – Annex 2 (A2.9)			
Test specifications	Environmental Phenomena	Tests sequence	Result
FCC – Title 47 Part 15.203 and 15.204 IC – RSS-210	Antenna Requirement	1	Complies
Part 15.215 IC – RSS-210 Annex 2 (A2.9)	20 Bandwidth	2	Complies
IC – RSS-210 Annex 2 (A2.9)	Occupied Bandwidth (99% BW)	3	Complies
Part 15.249 IC – RSS-210 Annex 2 (A2.9)	Peak Output Power	4	Complies
Part 15.215 IC – RSS-210 Annex 2 (A2.9)	Band Edge	5	Complies
Part 15.209 IC – RSS-210 Annex 2 (A2.9)	Radiated Spurious	6	Complies
Part 15.207	Conducted Emission	7	Complies

*The Test Report was given to the Client representatives for necessary documentation of ratification of the tested equipment and it is valid for the FCC and IC certification.*



CMC Centro Misure Compatibilità S.r.l.

<b>2. Description of Equipment under test (EUT)</b>	
Power supply.....	: 110Vac 60Hz
Type of equipment .....	: <input checked="" type="checkbox"/> Transmitter Unit <input checked="" type="checkbox"/> Receiver Unit <input checked="" type="checkbox"/> Fixed station <input type="checkbox"/> Portable station <input type="checkbox"/> Mobile station
Receiver class .....	: --
Alignment range.....	: 902 – 928 MHz
Switching frequency .....	: 902 – 928 MHz
Number of channels .....	: --
Channel separation.....	: --
Modulation .....	: Up to 19300 Baud RC-FSK
Calculated Bandwidth.....	: Bit rate 19000 bit/s => B=19000Hz Frequency deviation D=8000 Hz K=1  $B_n = 2DK+B = 2*8000+19000 = 35000 \text{ Hz} \Rightarrow 35\text{kHz}$
Extreme conditions .....	: --
Maximum transmitter output power.....	: --
Information on antenna.....	: Embedded
Duty cycle.....	: --
Serial Number .....	: --
<b>2.1 Test Site</b>	
Company .....	: CMC Centro Misure Compatibilità S.r.l.
Address .....	: Via dell'Elettronica, 12/C – 36016 Thiene (VI) – ITALY
<b>3. Testing and sampling</b>	
Date of receipt of test item .....	: 13/04/12
Testing start date .....	: 16/04/12
Testing end date.....	: 22/05/12
Samples tested nr. ....	: 1
Sampling procedure. ....	: Equipment used for testing was picked up by the manufacturer, at the end of the production process with random criterion
Internal identification.....	: adhesive label with the product number P120397
<b>4. Operative conditions</b>	
--	



**5. Photograph(s) of EUT**





## 6. Equipment list

<i>Id. number</i>	<i>Manufacturer</i>	<i>Model</i>	<i>Description</i>	<i>Serial number</i>	<i>Last calibration</i>	<i>Due date calibration</i>
CMC S001	Rohde & Schwarz	ESHS30	EMC interference receiver	862024/003	January '12	January '13
CMC S108	Emco	3115	Horn antenna	9811-5622	April '10	April '13
CMC S124	Spin	AMTP42-20	Horn Antenna 18-26GHz	103	May '10	May '13
CMC S127	Schaffner	HLA6120	Loop Antenna	1191	January '10	January '13
CMC S129	Rohde & Schwarz	ESPI7	Receiver	836.914/004	January '12	January '13
CMC S136	Schwarzbeck	VULB 9163	Broadband Antenna	9136-205	May '10	May '13
CMC S164	Rohde & Schwarz	ESU26	EMC interference receiver	100052	January '12	January '13





## 7. Measurement uncertainty

Test	Expanded Uncertainty	note
<b>Conducted Emission</b>		
(50Ω/50μH AMN) - (9 kHz – 150 kHz)	±3.4 dB	1
(50Ω/50μH AMN) - (150 kHz – 30 MHz)	±2.8 dB	1
(Voltage probe) - (150 kHz – 30 MHz)	±2.8 dB	1
(50Ω/5μH AMN) - (150 kHz – 108 MHz)	±2.4 dB	1
<b>Discontinuous Conducted Emission</b>		
Conducted Emission (50Ω/50μH AMN) - (150 kHz – 30 MHz)	±2.9 dB	1
<b>Disturbance Power (30 MHz – 300 MHz)</b>		
	±2.9 dB	1
<b>Radiated Emission</b>		
(0,150 MHz – 30 MHz)	±4.0 dB	1
(30 MHz – 1000 MHz)	±4.2 dB	1
(1 GHz – 6 GHz)	±3.4 dB	1
<b>Electromagnetic field EMF</b>		
	±15.0 %	1
<b>Harmonic current emissions test</b>		
	±2.5 %	1
<b>Voltage fluctuation and flicker test</b>		
	±4.1 %	1
<b>Insertion loss test</b>		
	±2.2 dB	1
<b>Radiated electromagnetic disturbance test (loop antenna)</b>		
	±1.7 dB	1
<b>Radiated electromagnetic field immunity test</b>		
	0.7 V/m at 3V/m	1
<b>Pulse modulated radiated electromagnetic field immunity test</b>		
	0.7 V/m at 3V/m	1
<b>Injected currents immunity test</b>		
	0.5 V at 3V	1
<b>Bulk current</b>		
	9.2 mA at 60 mA	1
<b>Power frequency magnetic field immunity test</b>		
	0.3 A/m at 3 A/m	1
<b>Electrostatic discharge immunity test</b>		
		2
<b>Electrical fast transients / burst immunity test</b>		
		2
<b>Surge immunity test</b>		
		2
<b>Short interruption immunity test</b>		
		2
<b>Voltage transient emission test</b>		
	±2.2 %	1
<b>Transient immunity test</b>		
		2

### Notes

#### Note 1:

The expanded uncertainty reported according to EN55016-4-2(2004-10) is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of p = 95%

#### Note 2:

It has been demonstrated that the used test equipment meets the specified requirements in the standard with at least a 95% confidence, covering factor k = 2.



## 8. Reference documents

<i>Reference no.</i>	<i>Description</i>
FCC Rules and Regulation Title 47 part 15 (2011) RSS-210 Issue 8 – December 2010	--
ANSI C63.4	Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment American National Standard for Methods of Measuring of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz – 40GHz
Internal Procedure PM001 rev. 2.0 (Quality Manual)	Measure Procedure
Internal procedure INC_M rev. 8.1 (Quality Manual)	Measurement uncertainty calculation





**9. Deviation from test specification**

In agreement with the client, emission tests were performed with peak detector .  
At the frequencies where the measures exceed the limit or within 6dB from it, the test was repeated with quasi-peak detector and/or average detector.

**10. Test case verdicts**

Test case does not apply to the test object..... : N / N.A.  
Test item does meet the requirement..... : P / Pass / Complies  
Test item does not meet the requirement..... : F / Fail / Does not comply  
Test not performed ..... : NE / Not Executed

**11. Results**

In this clause tests results are reported.  
Measurement uncertainty is in accordance with document CMC INC\_M rev. 8.1.

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## 11.1 Antenna Requirements

### Test configuration and test method

Test site Laboratory  
 Auxiliary equipment See clause 4 of this test report

### Environmental conditions

Temperature 20 °C Atmospheric pressure 101 kPa Relative humidity 40 %

### Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.203 and 15.204
- RSS-210
- Internal Procedure PM001
- See clause 4 of this test report

### Test Requirements

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

The use of a permanently attached antenna or of an antenna that uses unique coupling to the intentional radiator shall be considered sufficient comply with the provisions of this section.

The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

### Test specification

Port: Antenna.

### EUT exercising

See clause 4 of this test report

### Result

<i>Antenna Type</i>	<i>Gain</i>	<i>Remarks</i>	<i>Results</i>
Embedded	0 dBi	--	Complies

### Remarks

//////////

### Reference documents

See clause 8 of this test report

### Result

The requirements are met



## 11.2 20dB Bandwidth

### Test configuration and test method

Test site Laboratory  
 Auxiliary equipment See clause 4 of this test report

### Environmental conditions

Temperature 20 °C Atmospheric pressure 101 kPa Relative humidity 40 %

### Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.215
- RSS-210 Annex 2 (A2.9)
- Internal Procedure PM001
- See clause 4 of this test report

### Test specification

Port: Antenna;

### EUT exercising

See clause 4 of this test report

### Result

Frequency (MHz)	Graph(s)	Bandwidth	Remark
915,250	G12052911	18,21 kHz	--
921,500	G12052915	18,99 kHz	--
927,730	G12052904	19,15 kHz	--

Measurement uncertainty: ±1 kHz

### Remarks

//////////

### Reference documents

See clause 8 of this test report

### Test equipment used (Id number – see clause 6 of this test report)

CMC S129

### Result

The requirements are met



### 11.3 Occupied Bandwidth (99% BW)

#### Test configuration and test method

Test site Laboratory  
 Auxiliary equipment See clause 4 of this test report

#### Environmental conditions

Temperature 20 °C Atmospheric pressure 98 kPa Relative humidity 46 %

#### Test set-up and execution

- RSS-210 Annex 2 (A2.9)
- Internal Procedure PM001
- See clause 4 of this test report

#### Test specification

Port: Antenna;

#### EUT exercising

See clause 4 of this test report

#### Result

Frequency (MHz)	Graph(s)	Bandwidth	Remark
915,250	G12052912	15,86 kHz	--
921,500	G12052916	15,86 kHz	--
927,730	G12052905	16,02 kHz	--
Measurement uncertainty: ±1 kHz			

#### Remarks

//////////

#### Reference documents

See clause 8 of this test report

#### Test equipment used (Id number – see clause 6 of this test report)

CMC S129

#### Result

The requirements are met



## 11.4 Peak Output Power

### Test configuration and test method

Test site  
Auxiliary equipment

Laboratory  
See clause 4 of this test report

### Environmental conditions

Temperature 22 °C Atmospheric pressure 99 kPa Relative humidity 48 %

### Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.209 and 15.249
- RSS-210 Annex 2 (A2.9)
- Internal Procedure PM001
- See clause 4 of this test report

### Test specification

Port: Antenna;  
Antenna distance: 3m

### EUT exercising

See clause 4 of this test report

### Acceptance limits

Frequency range	RF power output
902-928 MHz	50mV/m (94dB $\mu$ V/m)

### Result

Frequency (MHz)	Polarization	Graphs	Measured QP level (dB $\mu$ V/m)	Peak Output Power (mW)	Remark
915,250	Vertical	G12052913	91,02	0,48	--
915,250	Horizontal	G12052914	86,04	0,12	--
921,500	Horizontal	G12052907	87,03	0,12	--
921,500	Vertical	G12052908	92,24	0,48	--
927,750	Horizontal	G12052902	85,70	0,12	--
927,750	Vertical	G12052903	89,77	0,27	--

Measurement uncertainty:  $\pm 3$ dBm



### Remarks

$$P = (E \times d)^2 / (30 \times G)$$

Where:

E = the measured maximum fundamental field strength in V/m

G = the numeric gain of the transmitting antenna: 1 (0dBi)

d = the distance in meters from which the field strength was measured (3m)

P = the power in watts

### Reference documents

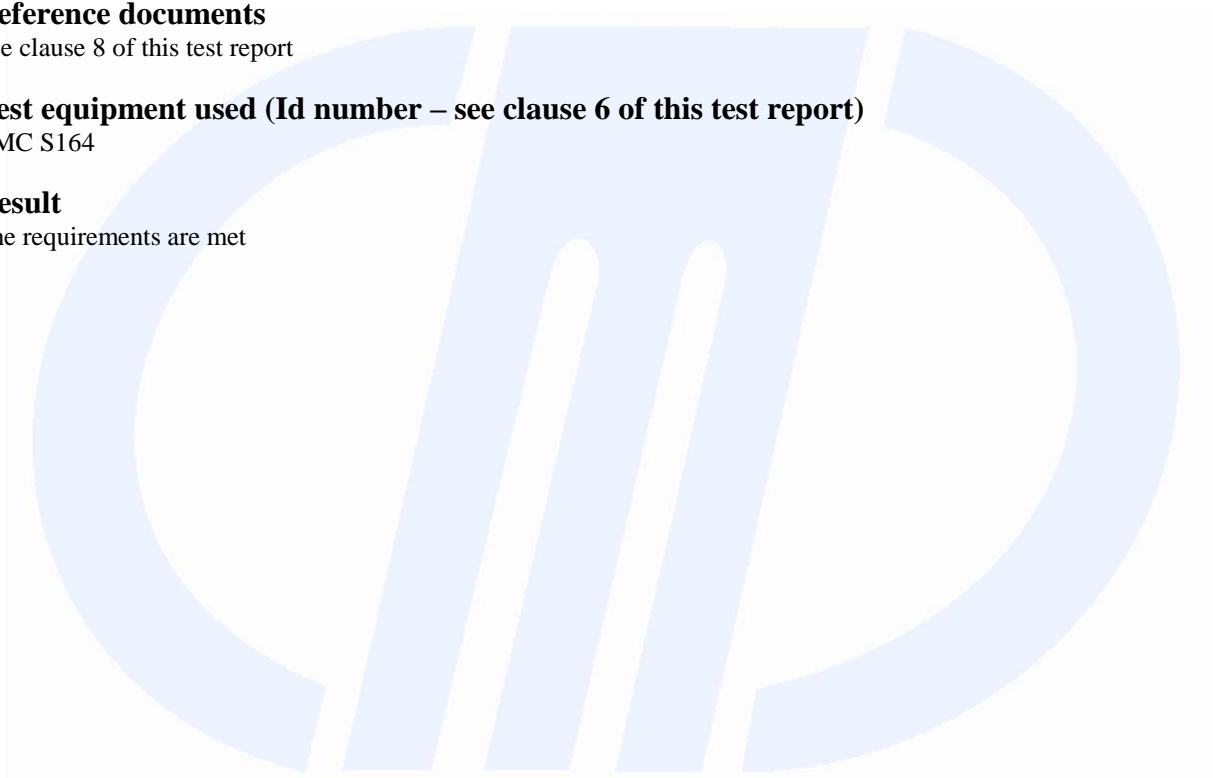
See clause 8 of this test report

### Test equipment used (Id number – see clause 6 of this test report)

CMC S164

### Result

The requirements are met







## 11.5 Band Edge

### Test configuration and test method

Test site Laboratory  
 Auxiliary equipment See clause 4 of this test report

### Environmental conditions

Temperature 20 °C Atmospheric pressure 99 kPa Relative humidity 46 %

### Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.215
- Internal Procedure PM001
- See clause 4 of this test report

### Test specification

Port: Antenna;

### EUT exercising

See clause 4 of this test report

### Acceptance limits

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

### Result

Frequency (MHz)	Graph(s)	Remark
915,250	G12052909 G12052910	--
927,750	G12052901 G12052906	--
Measurement uncertainty: ±1dB		

**Remarks** //////////////

**Reference documents** See clause 8 of this test report

**Test equipment used (Id number – see clause 6 of this test report)** CMC S129

**Result** The requirements are met



## 11.6 Radiated Spurious (Transmitter)

### Test configuration and test method

Test site Semi-anechoic chamber  
 Auxiliary equipment None

### Environmental conditions

Temperature 22 °C Atmospheric pressure 98 kPa Relative humidity 50 %

### Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.209
- RSS-210 Annex 2 (A2.9)
- Internal Procedure PM001
- See clause 4 of this test report

### Test specification

Port: Antenna;  
 For measurements below 1GHz the resolution bandwidth is set to 100kHz.  
 For measurements above 1GHz the resolution bandwidth is set to 1MHz.

### EUT exercising

See clause 4 of this test report

### Acceptance limits

In any 100kHz bandwidth outside the frequency band at least 20dB below the highest level of the desired power. In addition, radiated emissions which fall in the restricted bands, as defined in cl. 15.205(a), must also comply with the radiated emission limits specified in cl. 15.209(a) (see cl.15.205(c)).

### Result

Channel	Polarization	Frequency Range (MHz)	Graph(s) (peak measurements)	Remarks	Result
915,250	Horizontal	30 – 1000	G12052929	--	Complies
915,250	Vertical	30 – 1000	G12052930	--	Complies
921,500	Horizontal	30 – 1000	G12052935	--	Complies
921,500	Vertical	30 – 1000	G12052936	--	Complies
927,750	Horizontal	30 – 1000	G12052939	--	Complies
927,750	Vertical	30 – 1000	G12052940	--	Complies

915,250MHz		PK level (dBµV/m) 921,500 MHz		927,750 MHz		Remark
Frequency	(dBµV/m)	Frequency	(dBµV/m)	Frequency	(dBµV/m)	
48,3	27,5	48,3	25,4	38,2	25,2	--
71,8	25,4	98,7	34,5	89,9	21,6	--
79,2	24,3	104,3	29,1	97,1	27,4	--
91,5	24,1	--	--	--	--	--
104,2	31,5	--	--	--	--	--
407,1	26,7	--	--	--	--	--



Channel	Polarization	Frequency Range (GHz)	Graph(s) (peak measurements)	Remarks	Result
915,250	Horizontal	1 – 10	G12052931	--	Complies
915,250	Vertical	1 – 10	G12052932	--	Complies
921,500	Vertical	1 – 10	G12052933	--	Complies
921,500	Horizontal	1 – 10	G12052934	--	Complies
927,750	Vertical	1 – 10	G12052937	--	Complies
927,750	Horizontal	1 – 10	G12052938	--	Complies

Antenna	Frequency Range (MHz)	Graph(s)	Remarks	Result
Loop Antenna	9kHz – 30MHz	G12052941	--	Complies

Nr. Harmonics	AV level (dB $\mu$ V/m)						AV Limits (dB $\mu$ V/m)	Remark
	915,250MHz		921,500 MHz		927,750 MHz			
	Frequency	(dB $\mu$ V/m)	Frequency	(dB $\mu$ V/m)	Frequency	(dB $\mu$ V/m)		
II Harmonic	1830,4358	50,6	1841,9958	50,2	1855,2596	50,8	54,00	--
III Harmonic	2745,7852	49,4	2763,2621	49,2	2783,4102	49,0	54,00	--
IV Harmonic	3660,7836	41,7	3684,1919	41,6	3710,9358	41,6	54,00	--
V Harmonic	4576,2660	45,8	4605,1618	46,0	4638,6538	46,3	54,00	--
VI Harmonic	5491,4119	48,2	5526,1798	46,5	5566,4679	46,2	54,00	--
VII Harmonic	6406,6618	44,4	6444,8500	43,9	6494,2980	44,0	54,00	--
VIII Harmonic	7321,9118	51,9	7368,3919	51,0	7422,1282	49,7	54,00	--
IX Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	54,00	--
X Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	54,00	--

Measurement Uncertainty:  $\pm 4$ dB

Nr. Harmonics	PK level (dB $\mu$ V/m)						PK Limits (dB $\mu$ V/m)	Remark
	915,250MHz		921,500 MHz		927,750 MHz			
	Frequency	(dB $\mu$ V/m)	Frequency	(dB $\mu$ V/m)	Frequency	(dB $\mu$ V/m)		
II Harmonic	1830,4358	53,4	1841,9958	53,1	1855,2596	53,3	74,00	--
III Harmonic	2745,7852	53,7	2763,2621	53,6	2783,4102	53,4	74,00	--
IV Harmonic	3660,7836	50,0	3684,1919	50,0	3710,9358	49,6	74,00	--
V Harmonic	4576,2660	52,2	4605,1618	53,1	4638,6538	52,6	74,00	--
VI Harmonic	5491,4119	54,4	5526,1798	53,7	5566,4679	54,0	74,00	--
VII Harmonic	6406,6618	52,8	6444,8500	53,1	6494,2980	53,0	74,00	--
VIII Harmonic	7321,9118	57,1	7368,3919	56,6	7422,1282	56,0	74,00	--
IX Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	74,00	--
X Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	74,00	--

Measurement Uncertainty:  $\pm 4$ dB



### Remarks

EUT was tested in 3 orthogonal planes. In results table are reported the worst case.

### Reference documents

See clause 8 of this test report

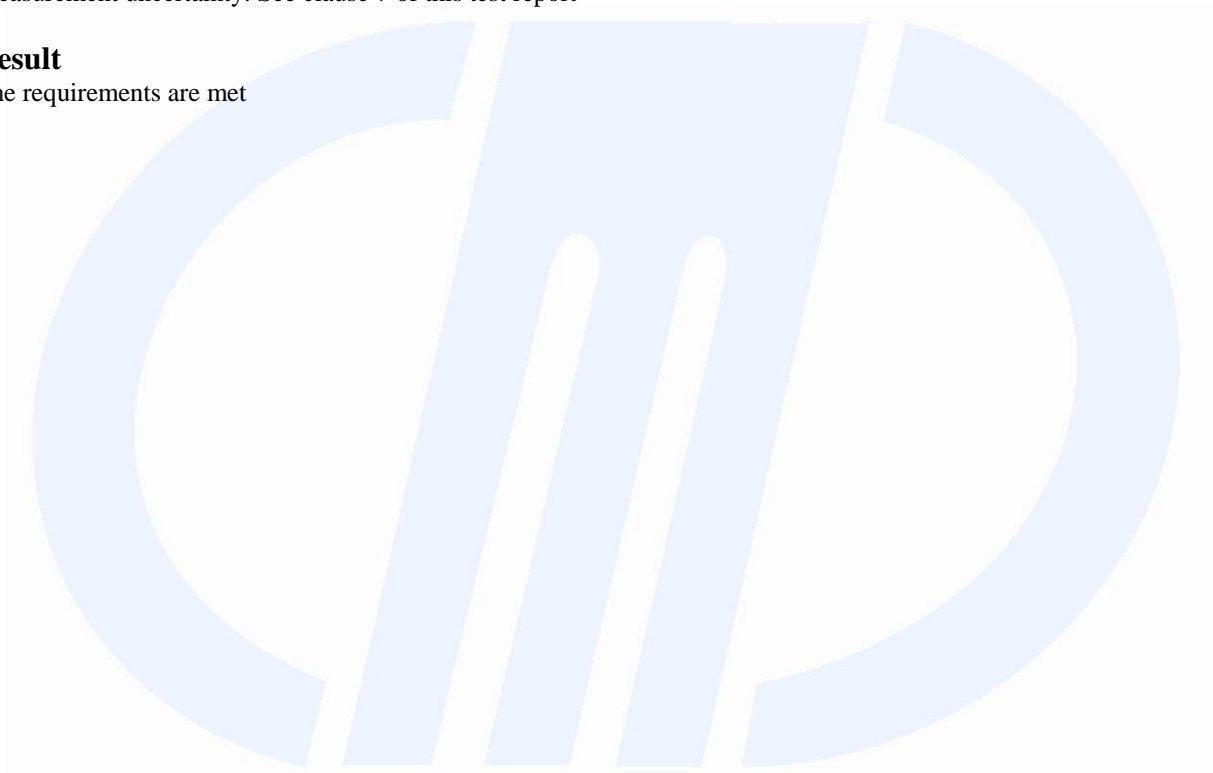
### Test equipment used (Id number – see clause 6 of this test report)

CMC S108, CMC S124, CMC S136, CMC S164

Measurement uncertainty: See clause 7 of this test report

### Result

The requirements are met





## 11.7 Radiated Spurious (Receiver)

### Test configuration and test method

Test site Semi-anechoic chamber  
 Auxiliary equipment See clause 4 of this test report

### Environmental conditions

Temperature 22 °C Atmospheric pressure 99 kPa Relative humidity 50 %

### Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.209
- RSS-210 Annex 2 (A2.9)
- Internal Procedure PM001
- See clause 4 of this test report

### Test specification

Port: Antenna;

### EUT exercising

See clause 4 of this test report

### Acceptance limits

In any 100kHz bandwidth outside the frequency band at least 20dB below the highest level of the desired power. In addition, radiated emissions which fall in the restricted bands, as defined in cl. 15.205(a), must also comply with the radiated emission limits specified in cl. 15.209(a) (see cl.15.205(c)).

### Result

Polarization	Frequency Range (MHz)	Graph(s)	Remarks	Result
Horizontal	30 – 1000	G12052925	--	Complies
Vertical	30 – 1000	G12052926	--	Complies
Horizontal	1000 – 6000	G12052927	--	Complies
Vertical	1000 – 6000	G12052928	--	Complies

### Remarks

EUT was tested in 3 orthogonal planes. In results table are reported the worst case.

### Reference documents

See clause 8 of this test report

### Test equipment used (Id number – see clause 6 of this test report)

CMC S108, CMC S124, CMC S127, CMC S136, CMC S164

Measurement uncertainty: See clause 7 of this test report

### Result

The requirements are met



## 11.8 Emission of mains terminal disturbance voltage (continuous disturbance)

### Test configuration and test method

Test site Laboratory  
 Auxiliary equipment See clause 4 of this test report

### Environmental conditions

Temperature 20 °C Atmospheric pressure 99 kPa Relative humidity 45 %

### Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.207
- Internal Procedure PM001
- See clause 4 of this test report

### Test specification

Port: AC mains

### EUT exercising

See clause 4 of this test report

### Acceptance limits

<i>Limits</i>		
<i>Frequency range (MHz)</i>	<i>dB(μV) Quasi-peak</i>	<i>dB(μV) Average</i>
0,15 to 0,50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50

### Result

<i>Line</i>	<i>Graphs</i>	<i>Remarks</i>	<i>Result</i>
N	G12052942	--	Complies
L1	G12052943	--	Complies

#### Graphs Legend

PK: Peak; QP [1s] (quasi-peak at 1 second) values are marked with a X  
 AV: Average; AV [1s] (average at 1 second) values are marked with a +

### Remarks

//////////

### Reference documents

See clause 8 of this test report

### Test equipment used (Id number – see clause 6 of this test report)

CMC S001

Measurement uncertainty: See clause 7 of this test report

### Result

The requirements are met

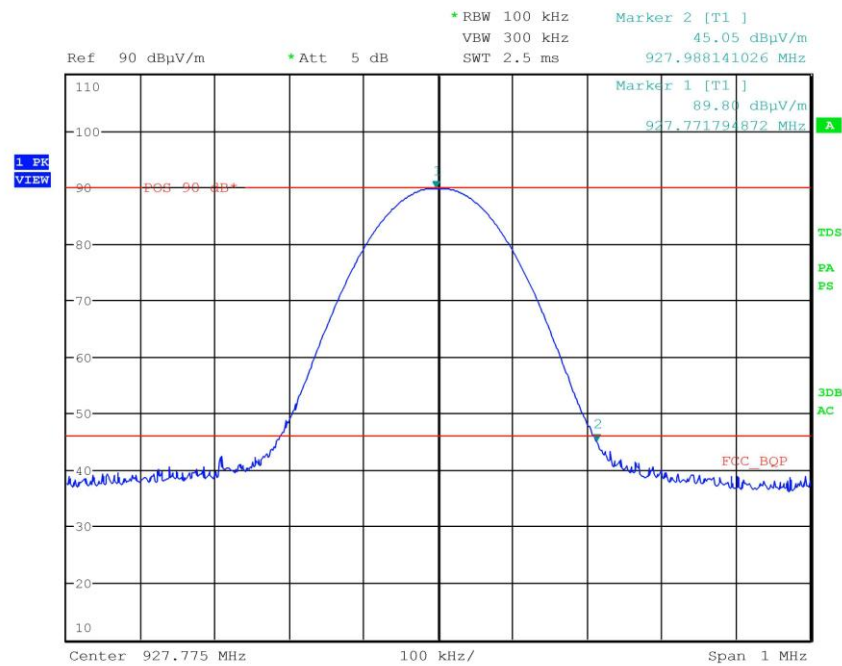




## 12. Graphs and Tables

G12052901

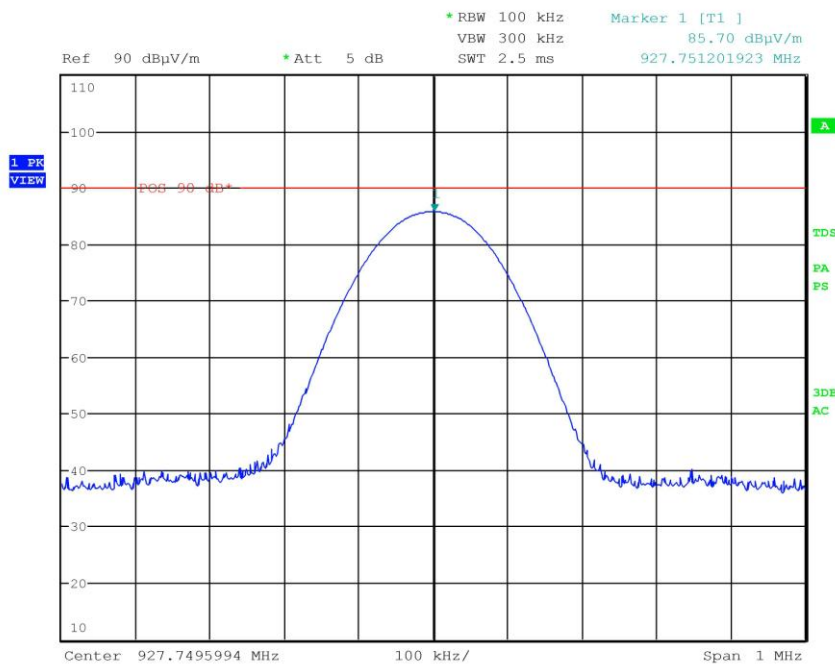
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F max  
**Operator** Bertezolo 12052901  
**Test Spec**  
Vert.





### G12052902

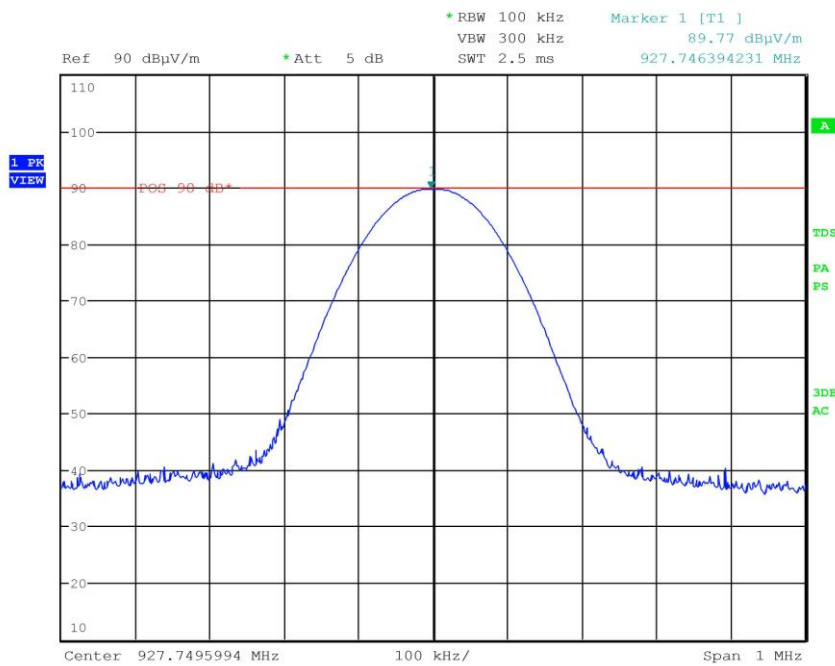
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F max  
**Operator** Bertezolo 12052902  
**Test Spec**  
Horiz





### G12052903

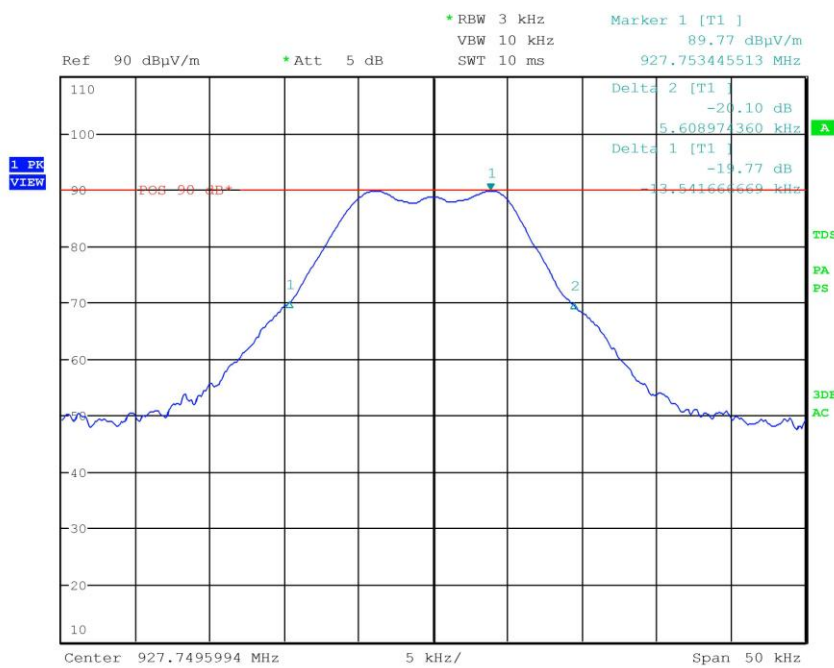
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F max  
**Operator** Bertezolo 12052903  
**Test Spec**  
Vert





G12052904

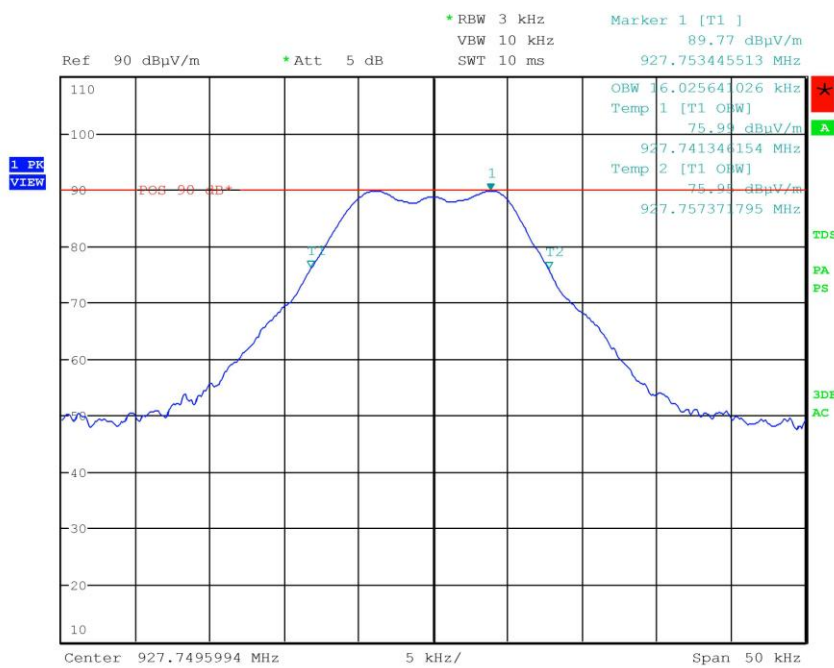
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F max  
**Operator** Bertezolo 12052904  
**Test Spec**





### G12052905

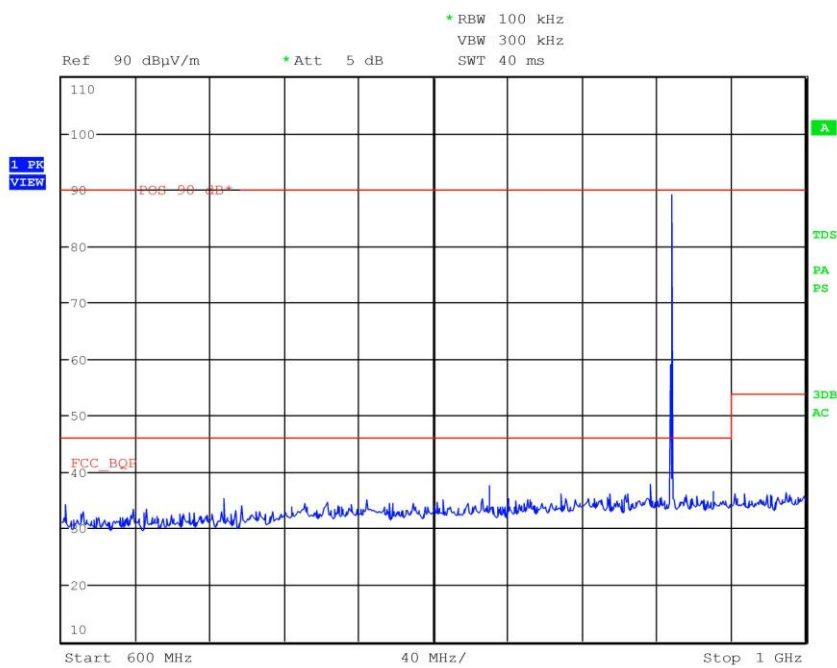
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F max  
**Operator** Bertezolo 12052905  
**Test Spec**





### G12052906

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F max  
**Operator** Bertezolo 12052906  
**Test Spec**

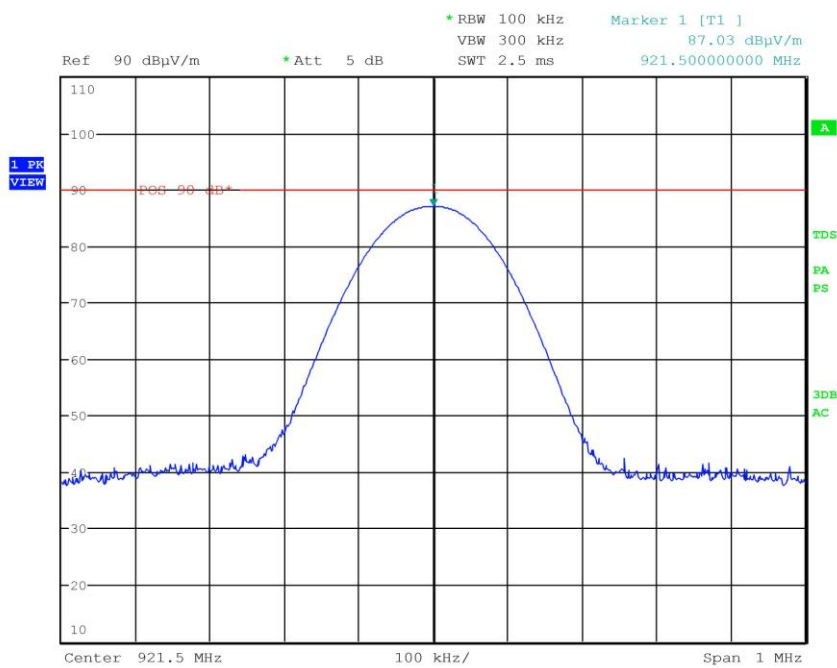






### G12052907

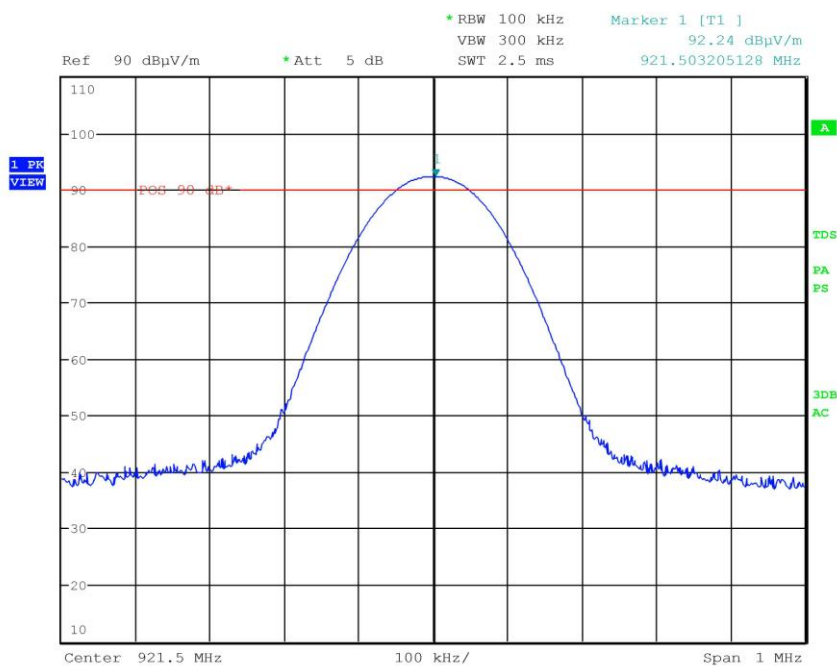
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F med  
**Operator** Bertezolo 12052907  
**Test Spec**  
Horiz





### G12052908

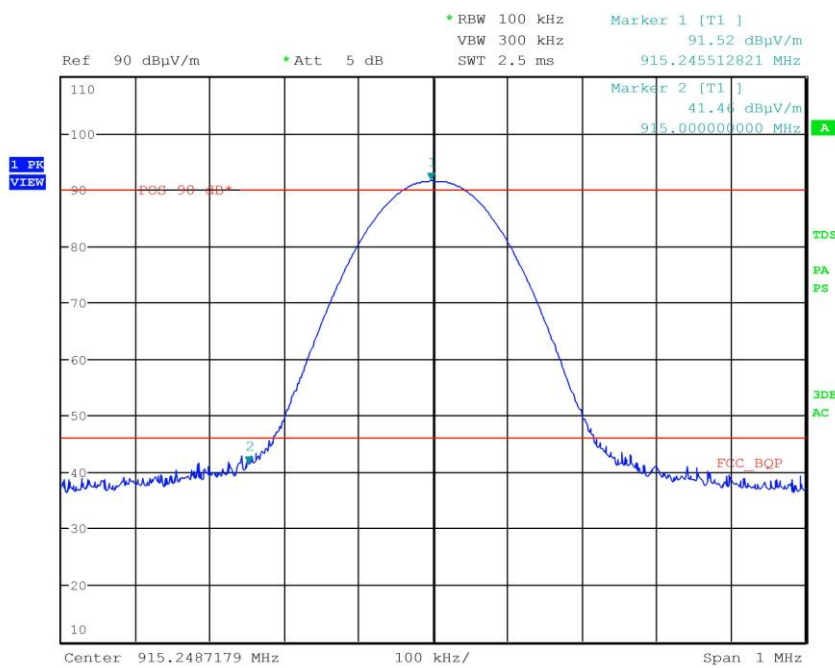
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F med  
**Operator** Bertezolo 12052908  
**Test Spec**  
Vert





### G12052909

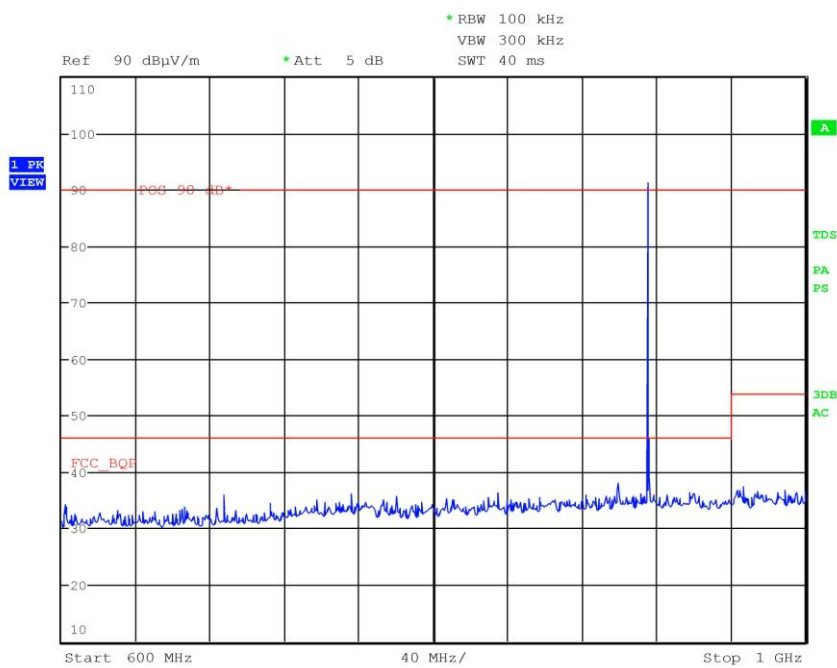
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F min  
**Operator** Bertezolo 12052909  
**Test Spec**





### G12052910

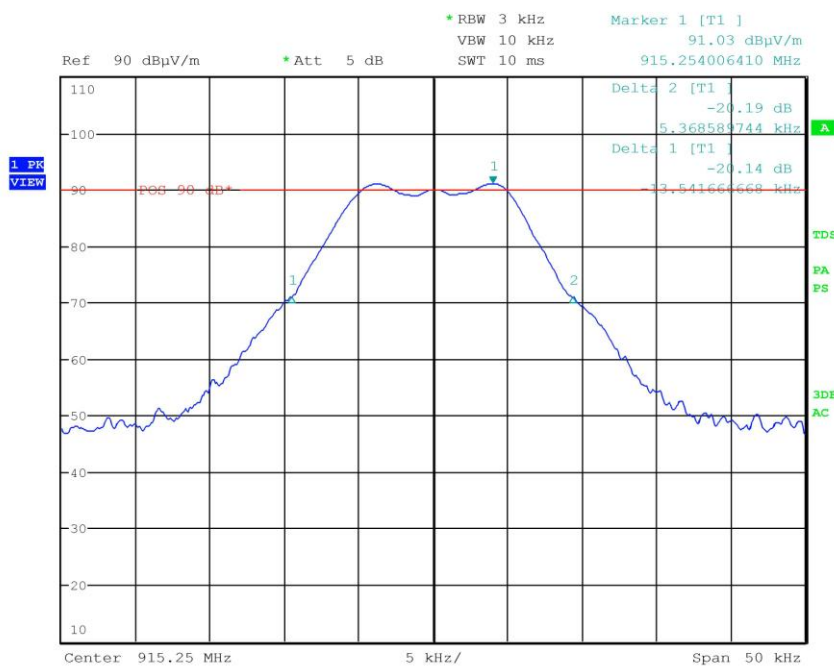
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F min  
**Operator** Bertezolo 12052910  
**Test Spec**





### G12052911

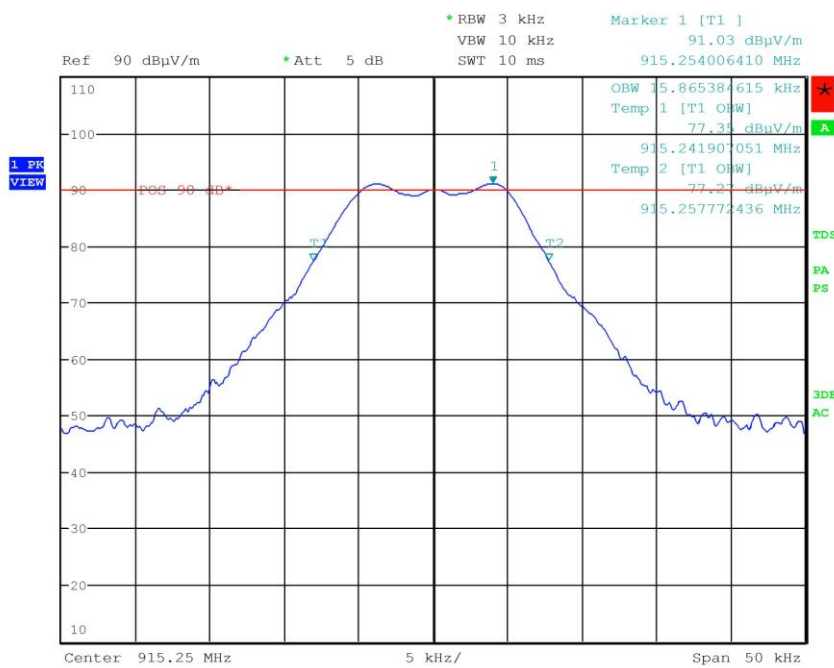
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F min  
**Operator** Bertezolo 12052911  
**Test Spec**





### G12052912

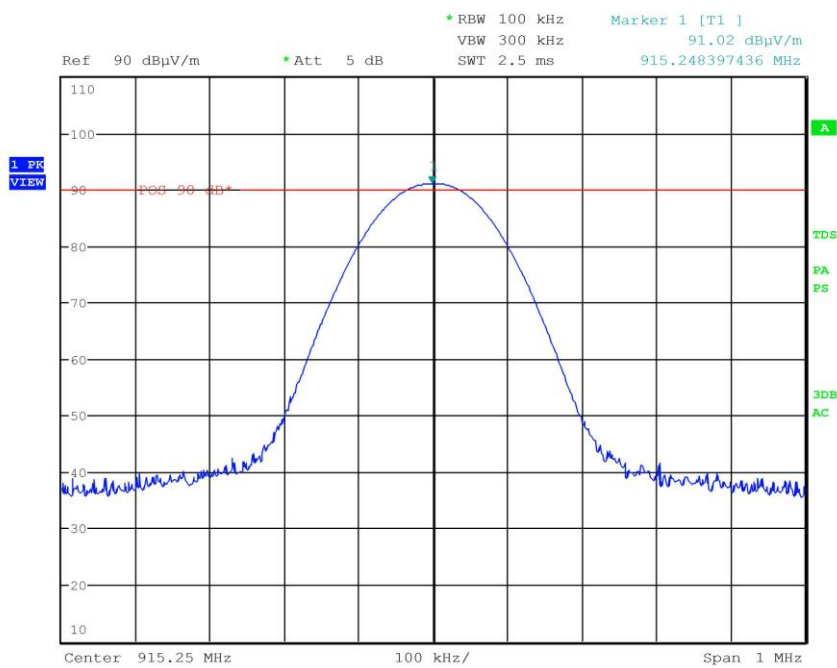
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F min  
**Operator** Bertezolo 12052912  
**Test Spec**





### G12052913

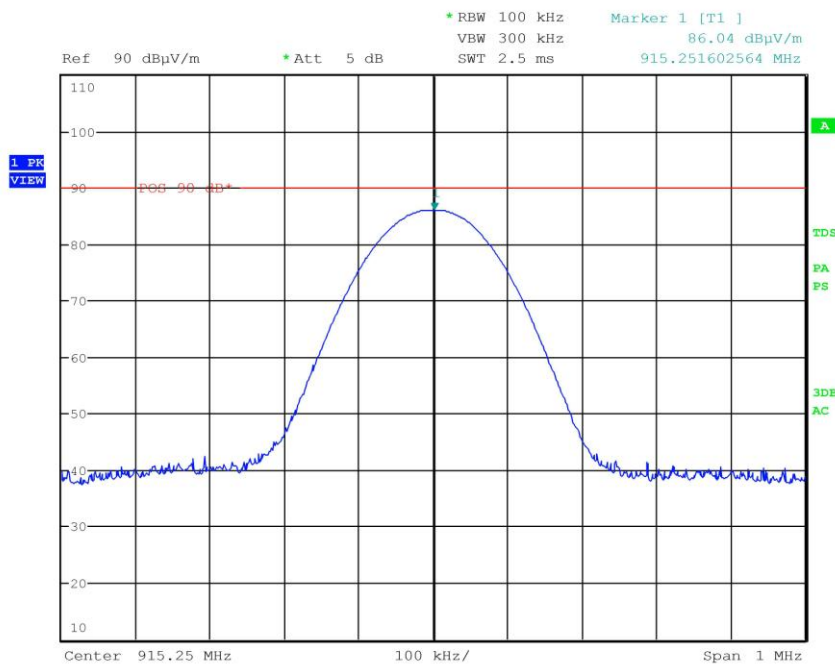
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F min  
**Operator** Bertezolo 12052913  
**Test Spec**





### G12052914

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F min  
**Operator** Bertezolo 12052914  
**Test Spec**  
Horiz

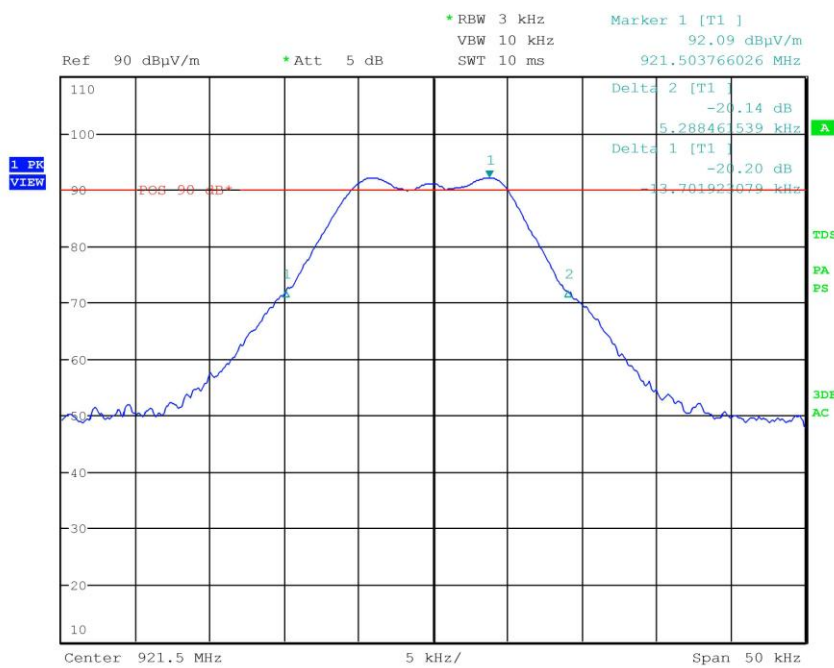






### G12052915

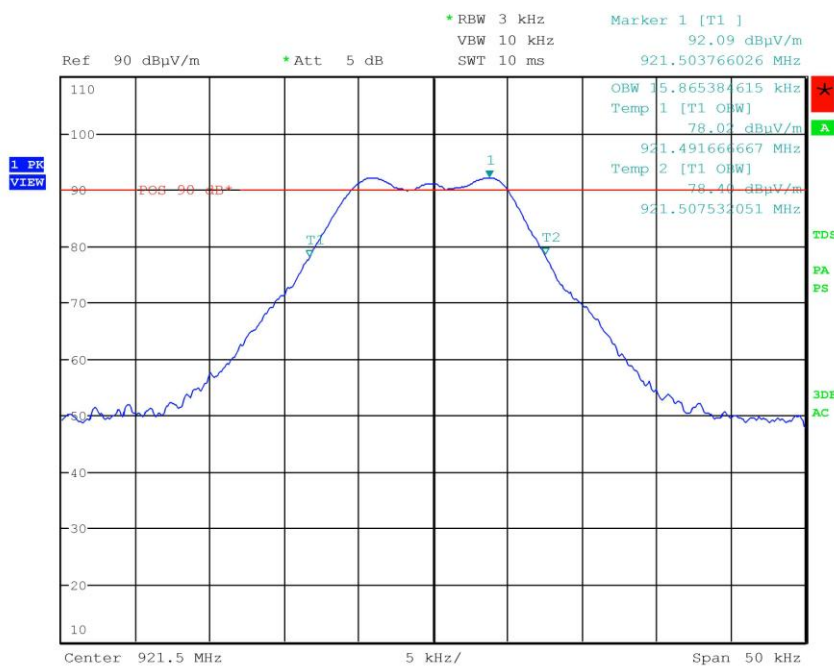
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F med  
**Operator** Bertezolo 12052915  
**Test Spec**





### G12052916

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** F med  
**Operator** Bertezolo 12052916  
**Test Spec**

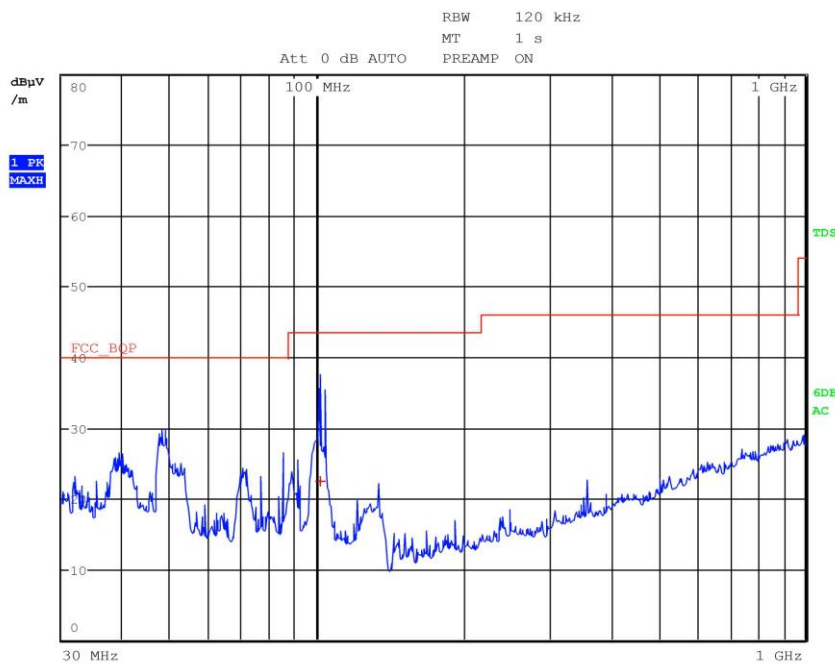


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G12052925

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** in RX  
**Operator** Bertezolo 12052925  
**Test Spec**  
Vert.



### Final Measurement

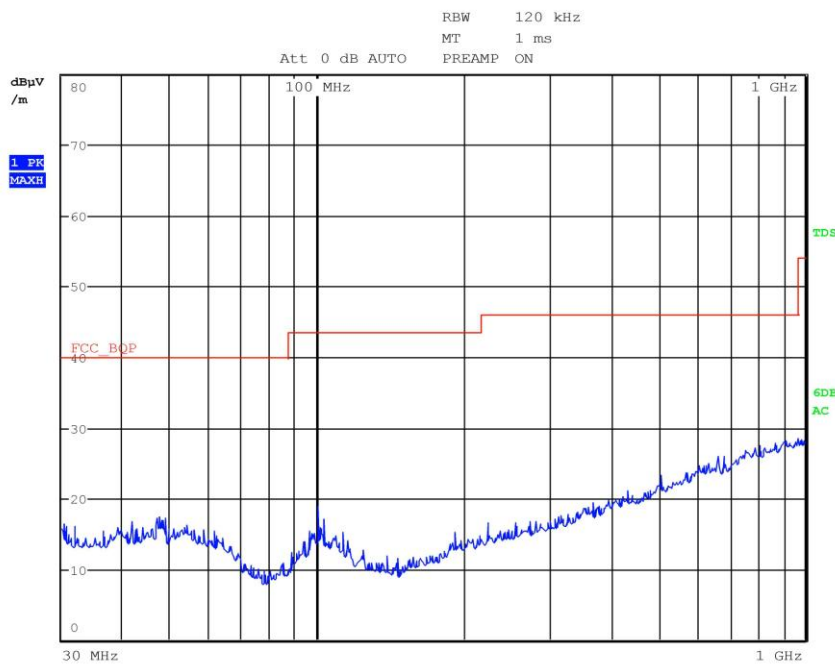
Meas Time: 1 s  
Margin: 6 dB  
Subranges: 1

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	101.64000000 MHz	22.50	Quasi Peak	-21.02



G12052926

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** in RX  
**Operator** Bertezolo 12052926  
**Test Spec**  
Horiz



**Final Measurement**

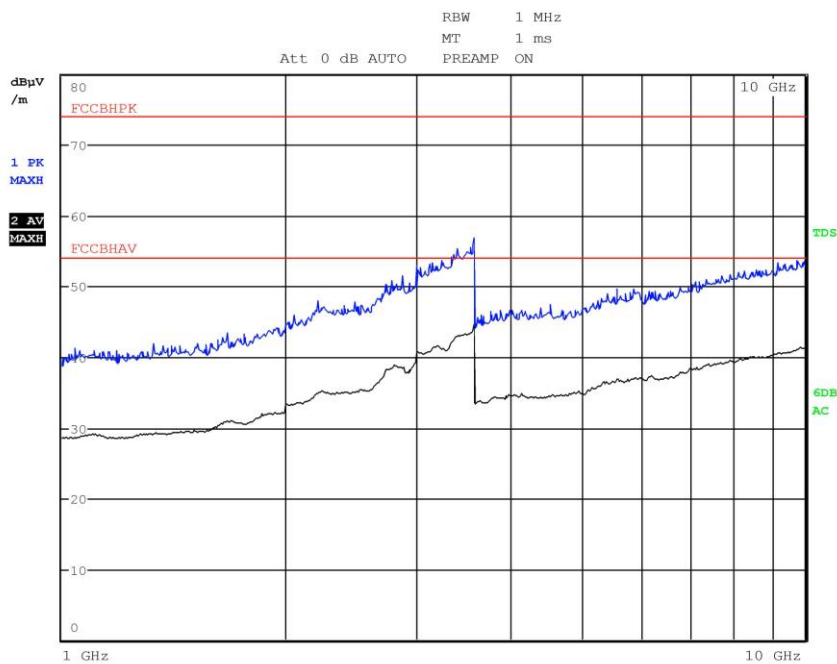
Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0

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G12052927

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** in RX  
**Operator** Bertezolo 12052927  
**Test Spec**  
Horiz



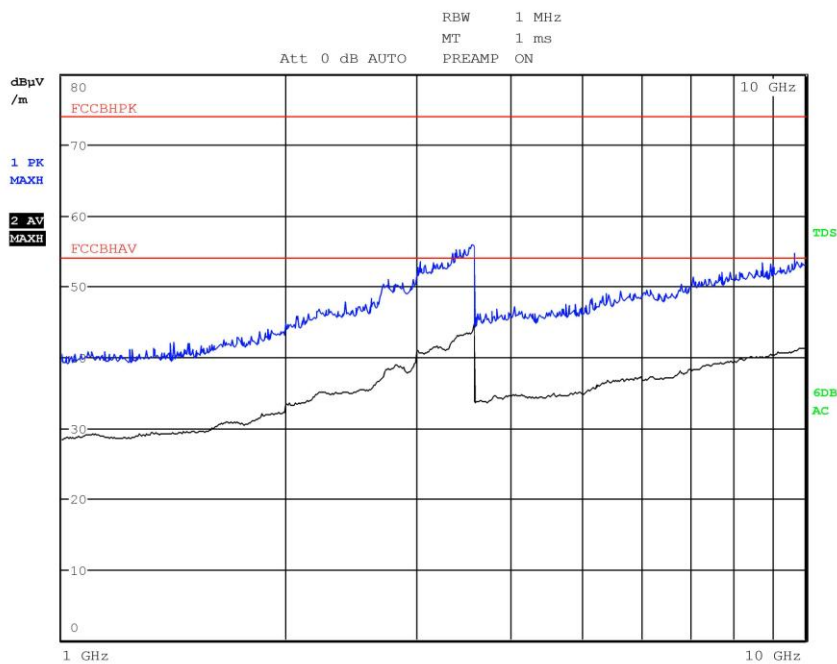
### Final Measurement

Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0



G12052928

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** in RX  
**Operator** Bertezolo 12052928  
**Test Spec**  
Vert



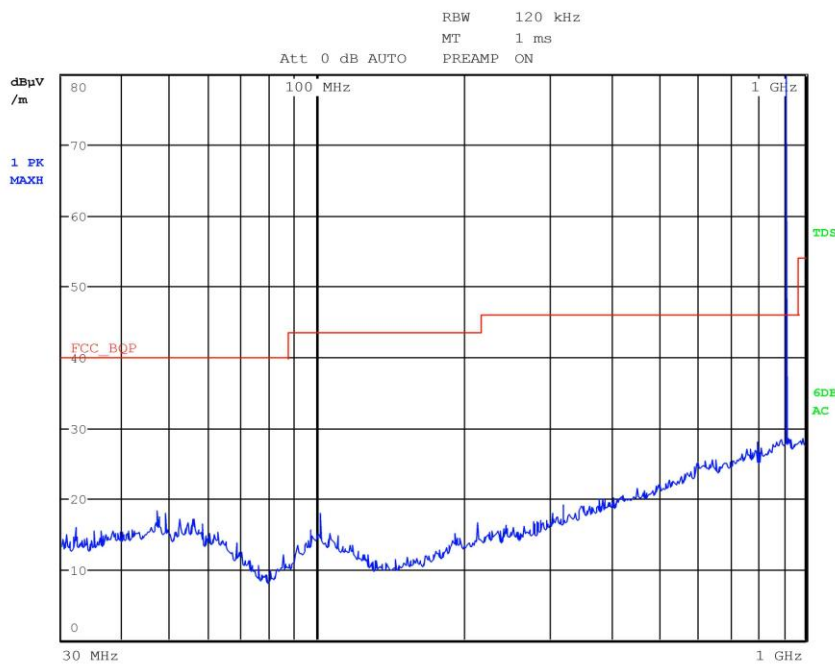
### Final Measurement

Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0



G12052929

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** TX Fmin  
**Operator** Bertezolo 12052929  
**Test Spec**  
Horiz



### Final Measurement

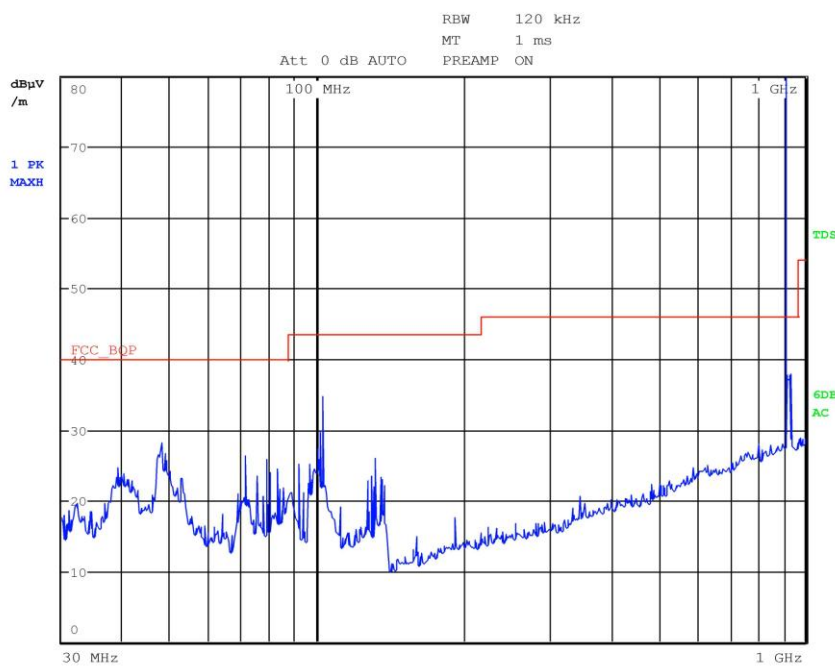
Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0





G12052930

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** TX Fmin  
**Operator** Bertezolo 12052930  
**Test Spec**  
Vert



**Final Measurement**

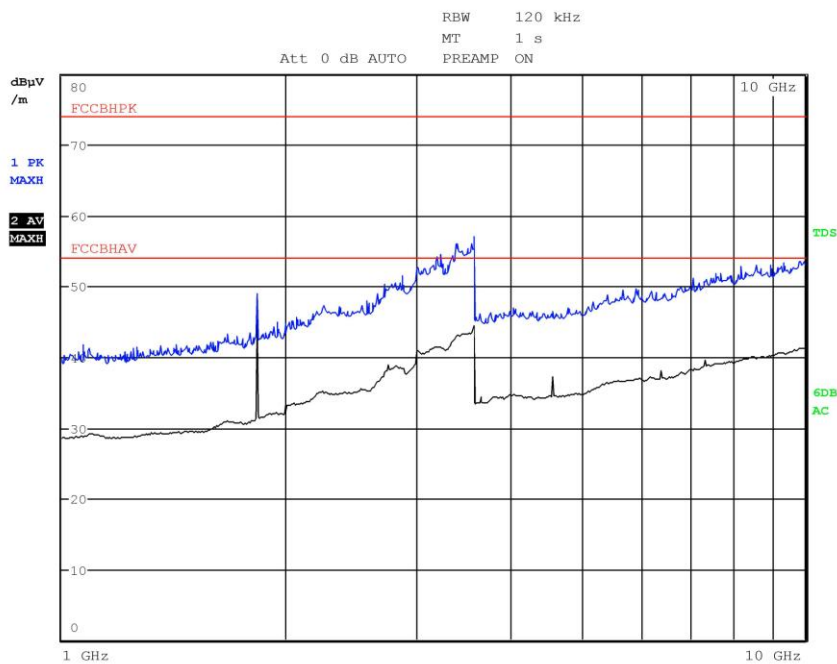
Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0

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## G12052931

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** TX Fmin  
**Operator** Bertezolo 12052931  
**Test Spec**  
Horiz



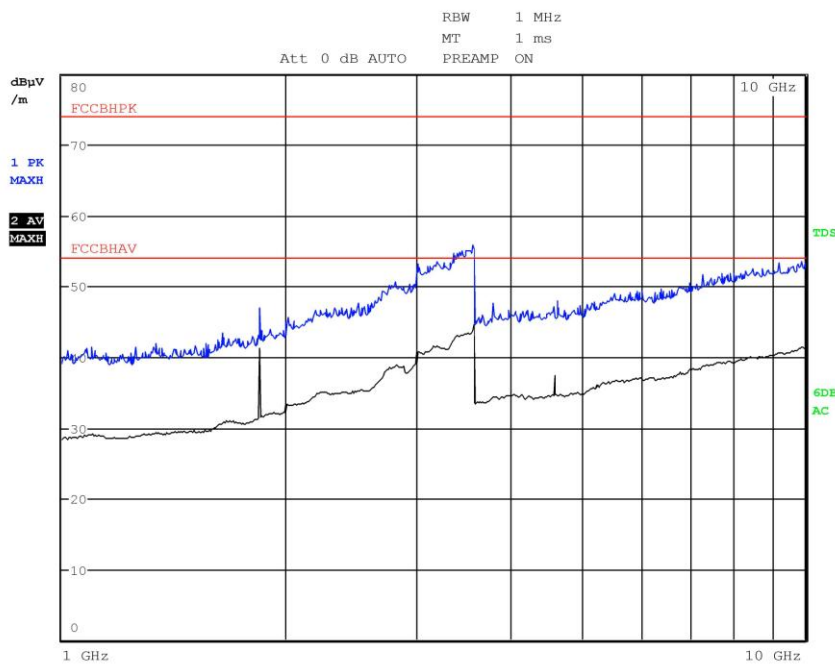
### Final Measurement

Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0



G12052932

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** TX Fmin  
**Operator** Bertezolo 12052932  
**Test Spec**  
Vert



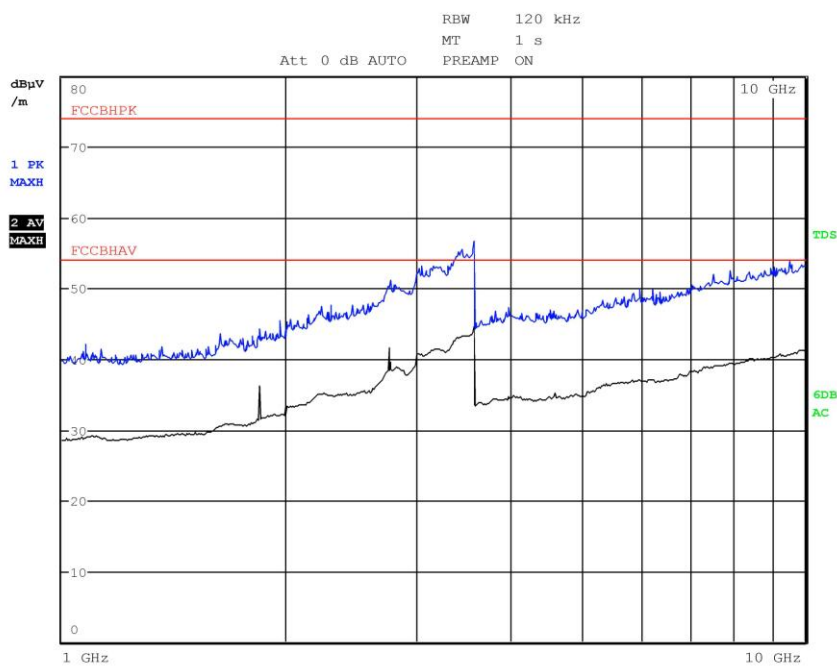
### Final Measurement

Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0



G12052933

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** TX Fmed  
**Operator** Bertezolo 12052933  
**Test Spec**  
Vert



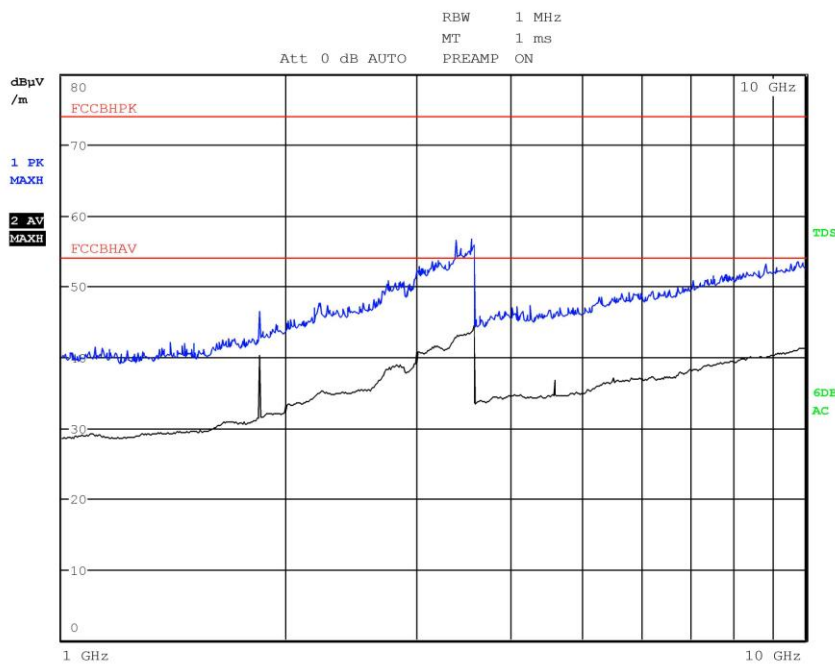
### Final Measurement

Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0



G12052934

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** TX Fmed  
**Operator** Bertezolo 12052934  
**Test Spec**  
Horiz



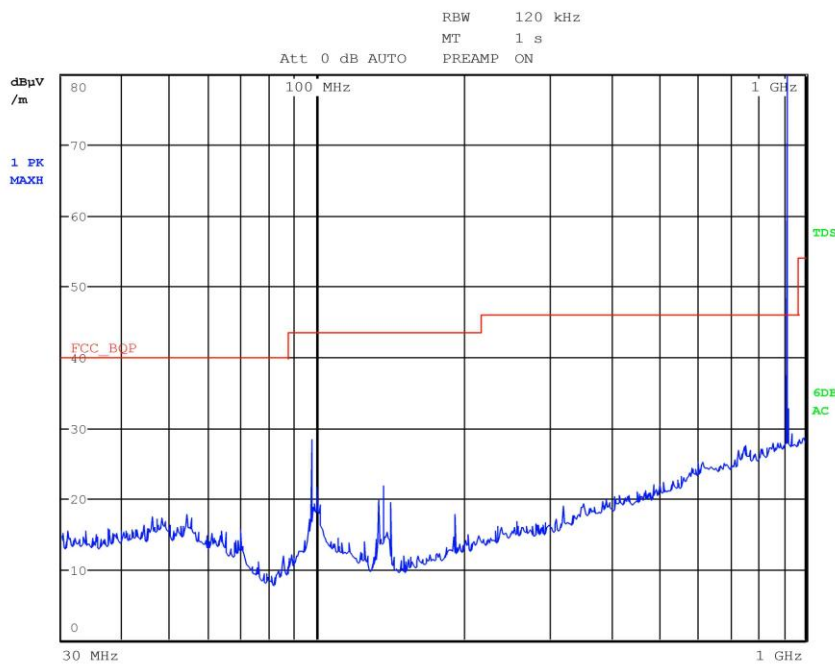
### Final Measurement

Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0



G12052935

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** TX Fmed  
**Operator** Bertezolo 12052935  
**Test Spec**  
Horiz



**Final Measurement**

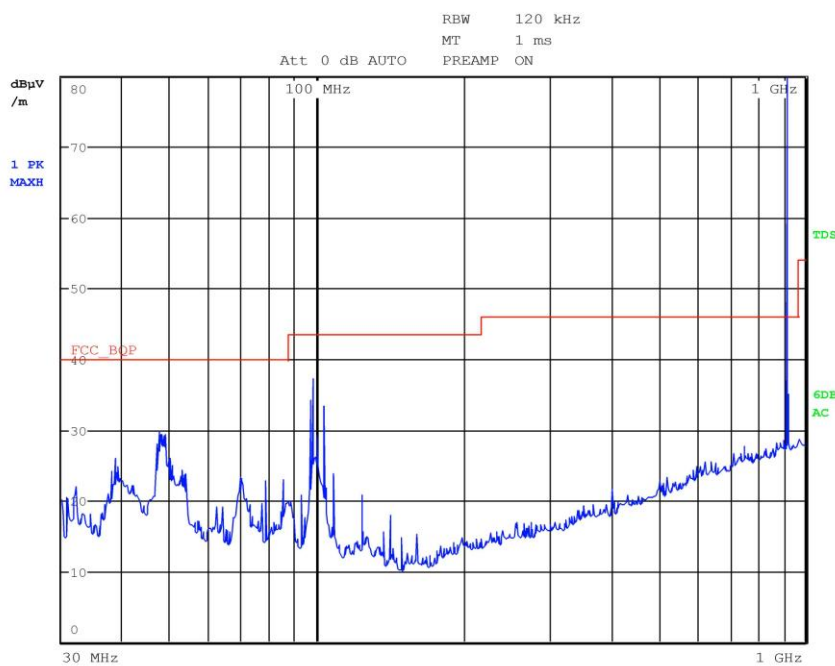
Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0

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G12052936

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** TX Fmed  
**Operator** Bertezolo 12052936  
**Test Spec**  
Vert



**Final Measurement**

Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0

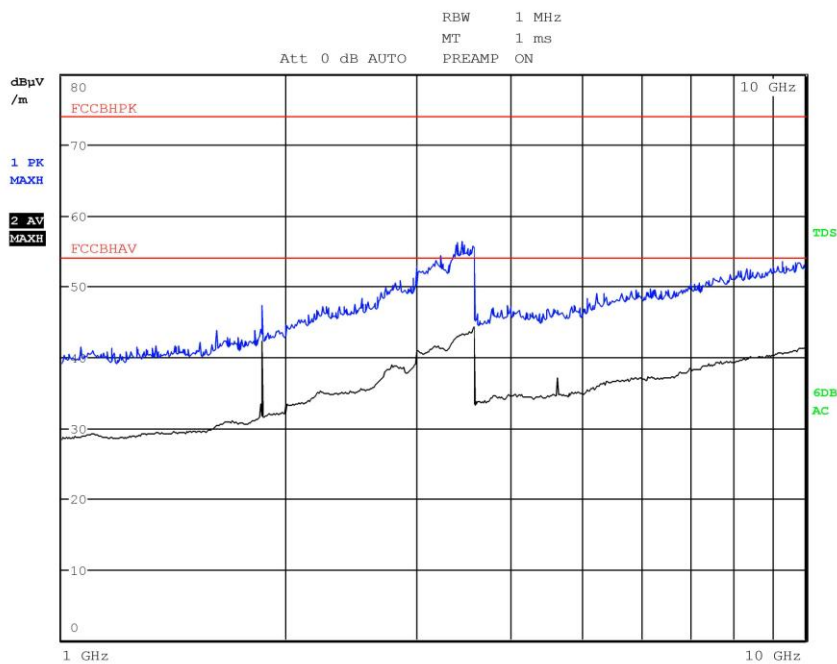
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G12052937

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** TX Fmax  
**Operator** Bertezolo 12052937  
**Test Spec**  
Vert



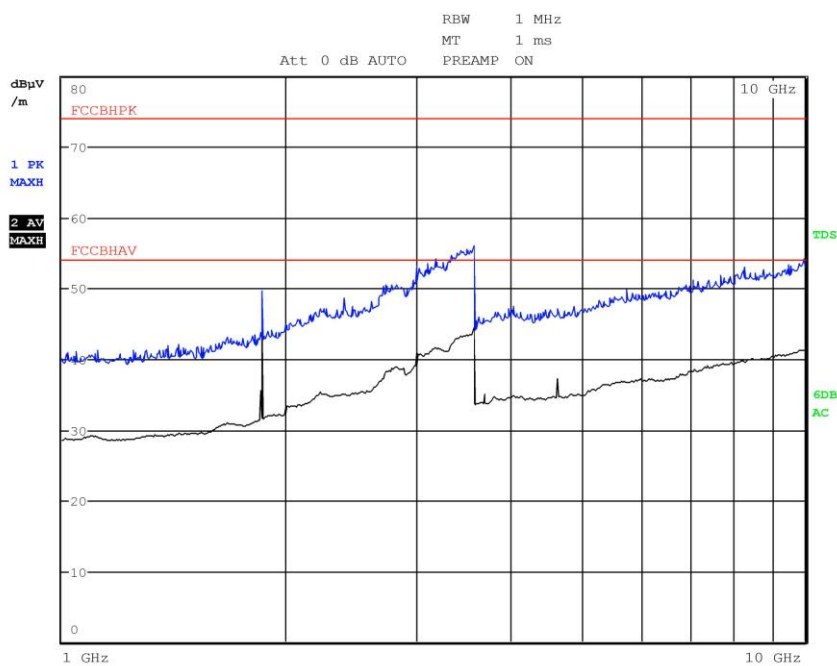
### Final Measurement

Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0



## G12052938

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** TX Fmax  
**Operator** Bertezolo 12052938  
**Test Spec**  
Horiz



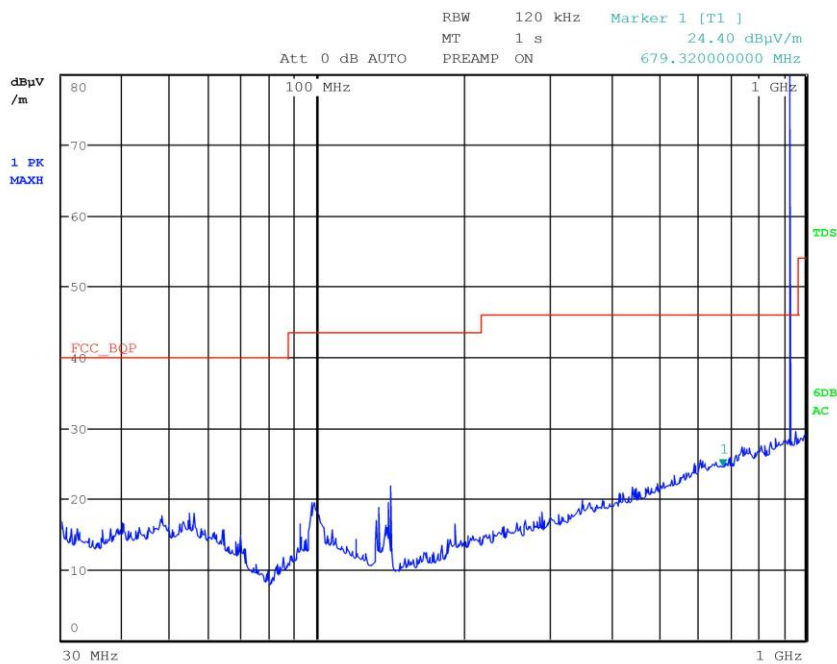
### Final Measurement

Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0



G12052939

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** TX Fmax  
**Operator** Bertezolo 12052939  
**Test Spec**  
Horiz



**Final Measurement**

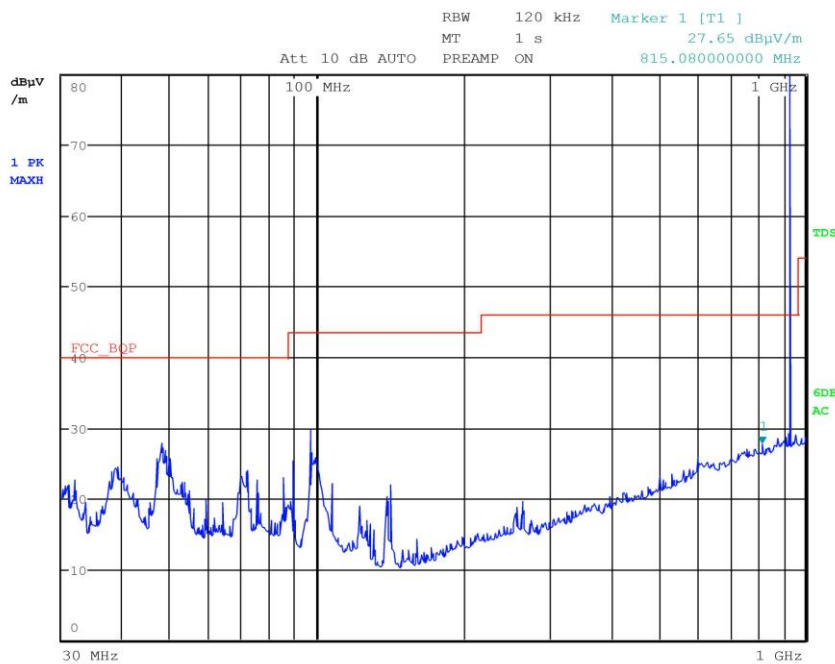
Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0

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G12052940

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** TX Fmax  
**Operator** Bertezolo 12052940  
**Test Spec**  
Vert



**Final Measurement**

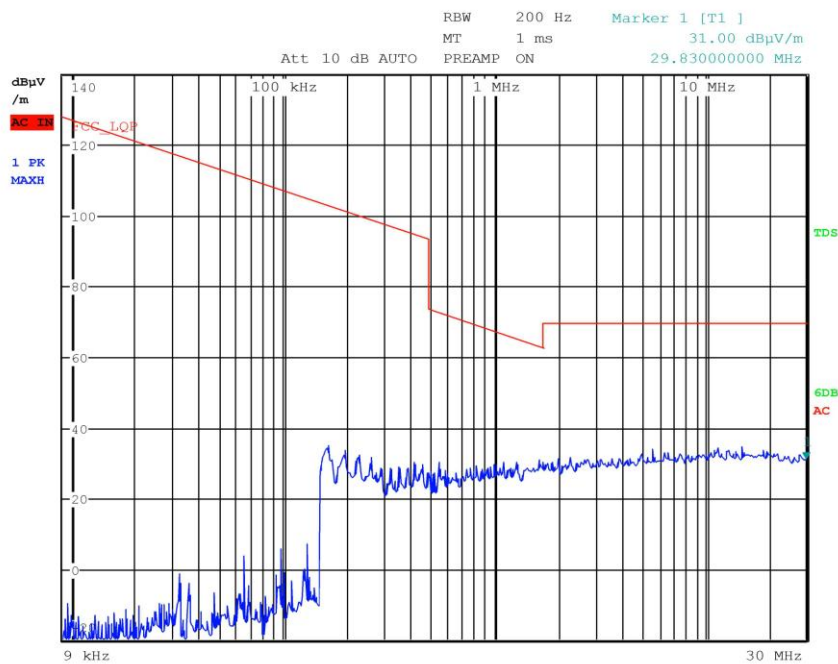
Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0

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## G12052941

**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** TX  
**Operator** Bertezolo 12052941  
**Test Spec**  
Loop

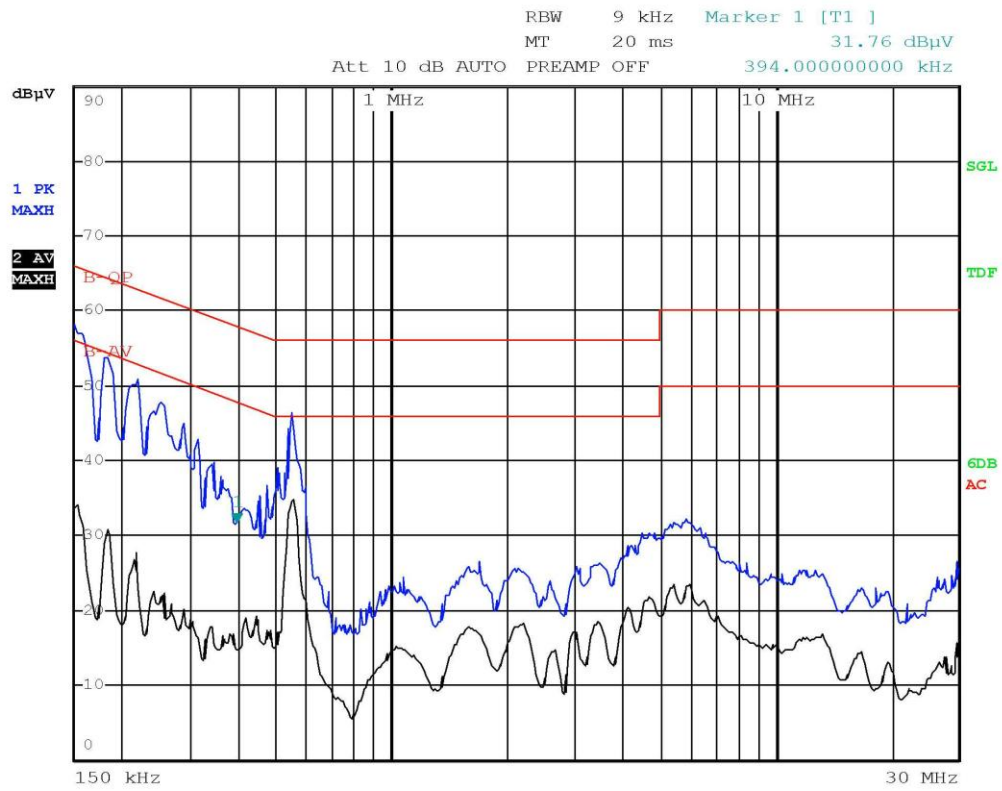


### Final Measurement

Meas Time: 1 s  
Margin: 6 dB  
Subranges: 0



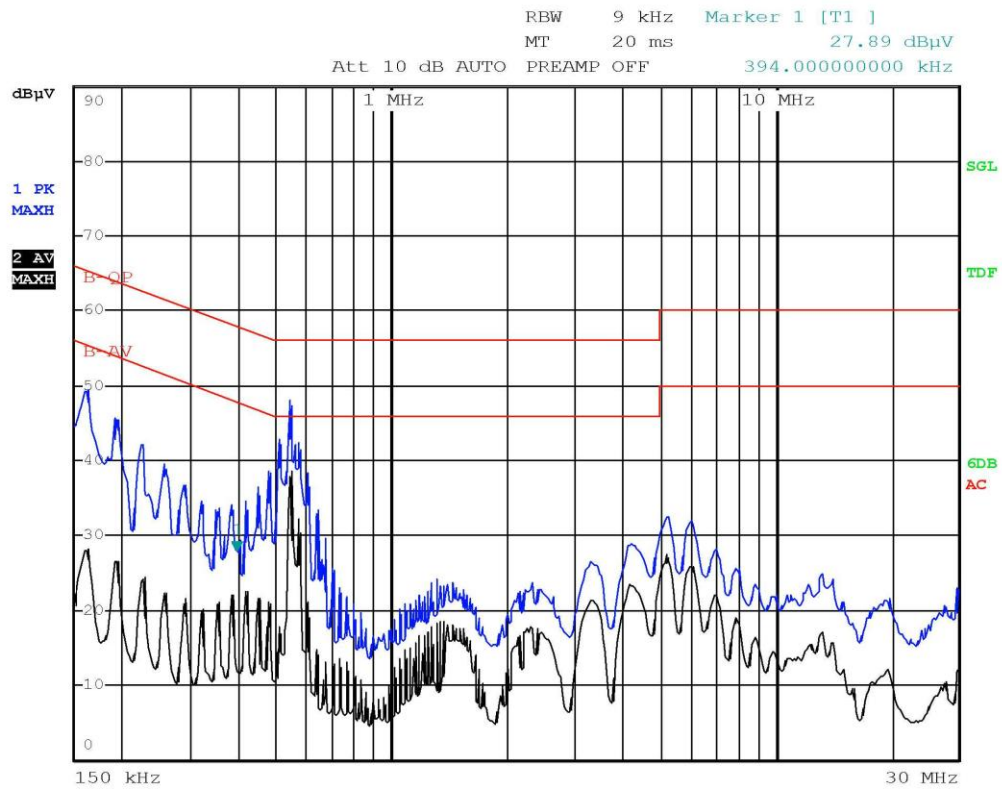
G12052942



Bertezolo 12052942 Line N 110V



G12052943



Bertezolo 12052943 Line L 110V