



TEST REPORT nr. R11103001

Federal Communication Commission (FCC)

Industry Canada (IC)

Test item

Description.....: Transceiver Unit
Trademark.....: AUTECH
Model/Type.....: Model A08 Type LA0AM

Test Specification

Standard: FCC Rules & Regulations, Title 47 (2010) - Part 15 paragraph(s) : 207, 209, 215 and 249
RSS-210 (2010) – Annex 8

Client's name.....: AUTECH S.r.l.

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

Manufacturer's name.: Same as client

Address:

Report

Tested by: A. Bertezzo - Technician

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

Date of issue.....: 30.11.11

Contents: 61 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.



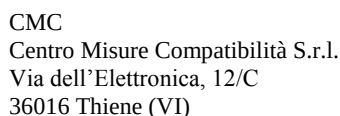
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1. Summary			
Standard: FCC Rules & Regulations, Title 47 RSS-210 (2010)			
Test specifications	Environmental Phenomena	Tests sequence	Result
FCC – Title 47 Part 15.203 and 15.204 IC – RSS-210	Antenna Requirement	1	Complies
Part 15.215 IC – RSS-210 Annex 8	20 Bandwidth	5	Complies
IC – RSS-210 Annex 8	Occupied Bandwidth (99% BW)	6	Complies
Part 15.249 IC – RSS-210 Annex 8	Peak Output Power	2	Complies
Part 15.215 IC – RSS-210 Annex 8	Band Edge	3	Complies
Part 15.209 IC – RSS-210 Annex 8	Radiated Spurious	4	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.



Power supply.....	: 3,7 Vdc from battery
Type of equipment	: ☒ Transmitter Unit ☒ Receiver Unit
	: ☒ Fixed station ☐ Portable station ☐ 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
Extreme conditions	: --
Maximum transmitter output power.....	: --
Information on antenna.....	: Embedded
Duty cycle.....	: --
Serial Number	: --

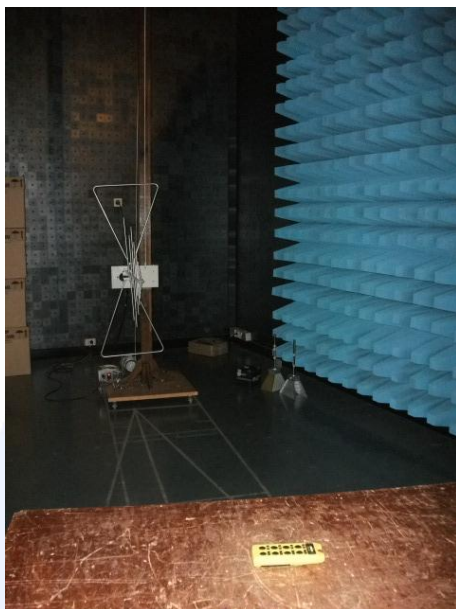
Company: CMC Centro Misure Compatibilità S.r.l.
Address: Via dell'Elettronica, 12/C – 36016 Thiene (VI) – ITALY

Date of receipt of test item	: 05.07.11
Testing start date.....	: 05.07.11
Testing end date.....	: 29.11.11
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 P110692

—



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 '11	January '12
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 S129	Rohde & Schwarz	ESPI7	Receiver	836.914/004	January '11	January '12
CMC S136	Schwarzbeck	VULB 9163	Broadband Antenna	9136-205	May '10	May '13
CMC S164	Rohde & Schwarz	ESU26	EMC interference receiver	100052	January '11	January '12



7. Measurement uncertainty

Test	Expanded Uncertainty	note
Conducted Emission		
(50 Ω /50 μ H AMN) - (9 kHz – 150 kHz)	± 3.0 dB	1
(50 Ω /50 μ H AMN) - (150 kHz – 30 MHz)	± 2.6 dB	1
(Voltage probe) - (150 kHz – 30 MHz)	± 3.1 dB	1
(50 Ω /5 μ H AMN) - (150 kHz – 108 MHz)	± 2.6 dB	1
Discontinuous Conducted Emission		
Conducted Emission (50 Ω /50 μ H AMN) - (150 kHz – 30 MHz)	± 2.9 dB	1
Disturbance Power (30 MHz – 300 MHz)		
	± 3.1 dB	1
Radiated Emission		
(0,150 MHz – 30 MHz)	± 4.3 dB	1
(30 MHz – 1000 MHz)	± 4.6 dB	1
(1 GHz – 6 GHz)	± 4.3 dB	1
Electromagnetic field EMF		
	± 18.8 %	1
Harmonic current emissions test		
	± 2.5 %	1
Voltage fluctuation and flicker test		
	± 5.3 %	1
Insertion loss test		
	± 2.2 dB	1
Radiated electromagnetic disturbance test (loop antenna)		
	± 2.4 dB	1
Radiated electromagnetic field immunity test		
	0.8 V/m at 3V/m	1
Pulse modulated radiated electromagnetic field immunity test		
	0.8 V/m at 3V/m	1
Injected currents immunity test		
	0.6 V at 3V	1
Bulk current		
	8.4 mA at 60 mA	1
Power frequency magnetic field immunity test		
	0.4 A/m at 3 A/m	1
Electrostatic discharge immunity test		
		2
Electrical fast transients / burst immunity test		
		2
Surge immunity test		
		2
Short interruption immunity test		
		2
Voltage transient emission test		
	± 4 %	1
Transient immunity test		
		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

Reference no.	Description
FCC Rules and Regulation Title 47 part 15 (2010)	--
RSS-210 Issue 8 – December 2010	Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment
ANSI C63.4	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. 8.0 (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.

All measurements are done in accordance with the Filling and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems DA-705

Measurement uncertainty is in accordance with document CMC INC_M rev. 8.0.



11.1 Antenna Requirements

Test configuration and test method

Test site

Laboratory

Auxiliary equipment

See clause 4 of this test report

Environmental conditions

Temperature 22 °C

Atmospheric pressure 100 kPa

Relative humidity 49 %

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

Antenna Type	Gain	Remarks	Results
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 22 °C

Atmospheric pressure 98 kPa

Relative humidity 50 %

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.215
- RSS-210 Annex 8
- DA 00-705, march 30, 2000
- 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
902,225	G11103020A	32,2 kHz	--
915,000	G11103019A	34,4 kHz	--
927,775	G11103021A	34,8 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 8
- 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
915,000	G111030A3A	29,8 kHz	--
927,775	G111030A1A	31,8 kHz	--
902,225	G111030A2A	28,8 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 8
- DA 00-705, march 30, 2000
- 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

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

Result

Frequency (MHz)	Polarization	Graphs	Measured QP level (dB μ V/m)	Remark
902,225	Vertical	G11103016A	81,69	--
902,225	Horizontal	G11103015A	93,24	--
915,000	Vertical	G11103017A	82,54	--
915,000	Horizontal	G11103018A	93,65	--
927,775	Horizontal	G11103014A	91,39	--
927,775	Vertical	G11103013A	81,83	--
Measurement uncertainty: ± 3 dBm				



Remarks

//////////

Reference documents

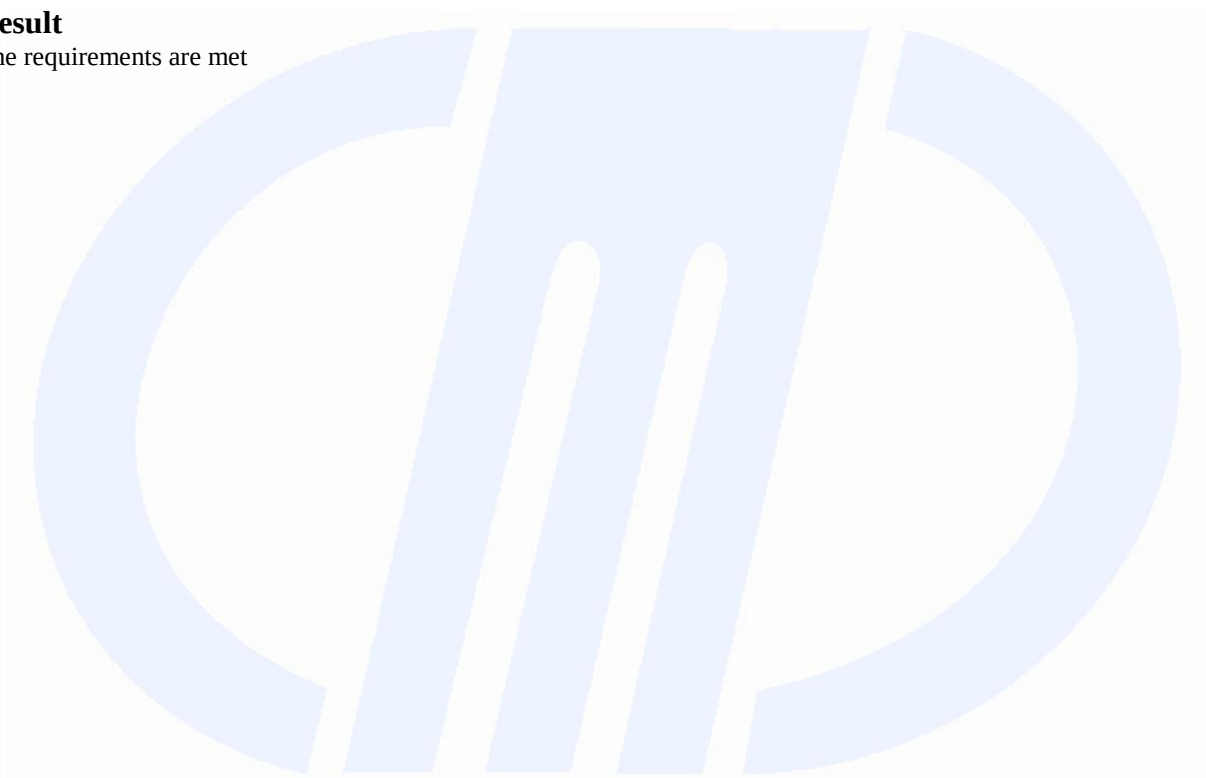
See clause 8 of this test report

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
- RSS-210 Annex 8
- DA 00-705, march 30, 2000
- 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
902,225	G11103022A	--
927.775	G11103024A	--
Measurement uncertainty: ± 1 dB		

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 8
- DA 00-705, march 30, 2000
- 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
902,225	Horizontal	30 – 1000	G11103001	--	Complies
902,225	Vertical	30 – 1000	G11103002	--	Complies
915,000	Vertical	30 – 1000	G11103003	--	Complies
915,000	Horizontal	30 – 1000	G11103004	--	Complies
927,775	Horizontal	30 – 1000	G11103005	--	Complies
927,775	Vertical	30 – 1000	G11103006	--	Complies

Channel	Polarization	Frequency Range (GHz)	Graph(s) (peak measurements)	Remarks	Result
927,775	Horizontal	1 – 10	G11103026	--	Complies
927,775	Vertical	1 – 10	G11103027	--	Complies
915,000	Vertical	1 – 10	G11103028	--	Complies
915,000	Horizontal	1 – 10	G11103029	--	Complies
902,225	Horizontal	1 – 10	G11103030	--	Complies
902,225	Vertical	1 – 10	G11103031	--	Complies



Channel	Antenna	Frequency Range (MHz)	Graph(s)	Remarks	Result
927,775	Loop Antenna	9kHz – 30MHz	G11103038	--	Complies
915,000	Loop Antenna	9kHz – 30MHz	G11103039	--	Complies
902,225	Loop Antenna	9kHz – 30MHz	G11103040	--	Complies





Nr. Harmonics	AV level (dBμV/m)						AV Limits (dBμV/m)	Remark
	902,225MHz		915,000 MHz		927,775 MHz			
	Frequency	(dBμV/m)	Frequency	(dBμV/m)	Frequency	(dBμV/m)		
II Harmonic	1804,4516	53,7	1830,0002	48,2	1855,5579	49,3	54,00	--
III Harmonic	2706,6789	53,9	2745,1075	51,4	2783,3250	52,4	54,00	--
IV Harmonic	3608,9009	48,6	3660,0288	46,1	3711,1119	46,5	54,00	--
V Harmonic	--	--	--	--	4638,8748	46,5	54,00	--
VI Harmonic	5413,3578	47,0	5490,1275	48,2	5566,6578	49,0	54,00	--
VII Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	54,00	--
VIII Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	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: ±4dB								

Nr. Harmonics	PK level (dBμV/m)						PK Limits (dBμV/m)	Remark
	902,225MHz		915,000 MHz		927,775 MHz			
	Frequency	(dBμV/m)	Frequency	(dBμV/m)	Frequency	(dBμV/m)		
II Harmonic	1804,4516	51,6	1830,0002	51,4	1855,5579	51,6	74,00	--
III Harmonic	2706,6789	56,1	2745,1075	55,6	2783,3250	56,6	74,00	--
IV Harmonic	3608,9009	51,8	3660,0288	51,9	3711,1119	52,5	74,00	--
V Harmonic	--	--	--	--	4638,8748	52,1	74,00	--
VI Harmonic	5413,3578	54,2	5490,1275	54,2	5566,6578	54,0	74,00	--
VII Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	74,00	--
VIII Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	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: ±4dB								



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

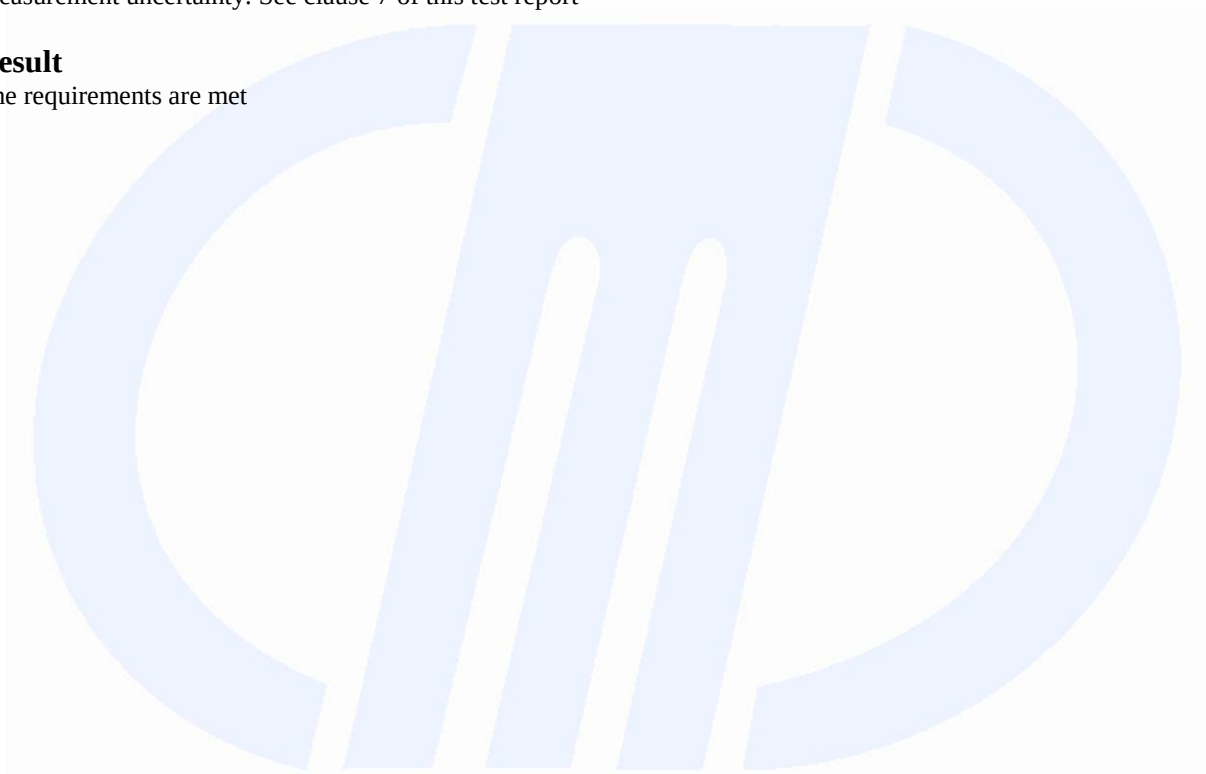
Test equipment used (Id number – see clause 6 of this test report)

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
- DA 00-705, march 30, 2000
- RSS-210 Annex 8
- 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

Channel	Polarization	Frequency Range (MHz)	Graph(s)	Remarks	Result
902,225	Horizontal	30 – 1000	G11103007	--	Complies
902,225	Vertical	30 – 1000	G11103008	--	Complies
915,000	Vertical	30 – 1000	G11103009	--	Complies
915,000	Horizontal	30 – 1000	G11103010	--	Complies
927,775	Horizontal	30 – 1000	G11103011	--	Complies
927,775	Vertical	30 – 1000	G11103012	--	Complies
902,225	Vertical	1000 – 10000	G11103032	--	Complies
902,225	Horizontal	1000 – 10000	G11103033	--	Complies
915,000	Horizontal	1000 – 10000	G11103034	--	Complies
915,000	Vertical	1000 – 10000	G11103035	--	Complies
927,775	Vertical	1000 – 10000	G11103036	--	Complies
927,775	Horizontal	1000 – 10000	G11103037	--	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

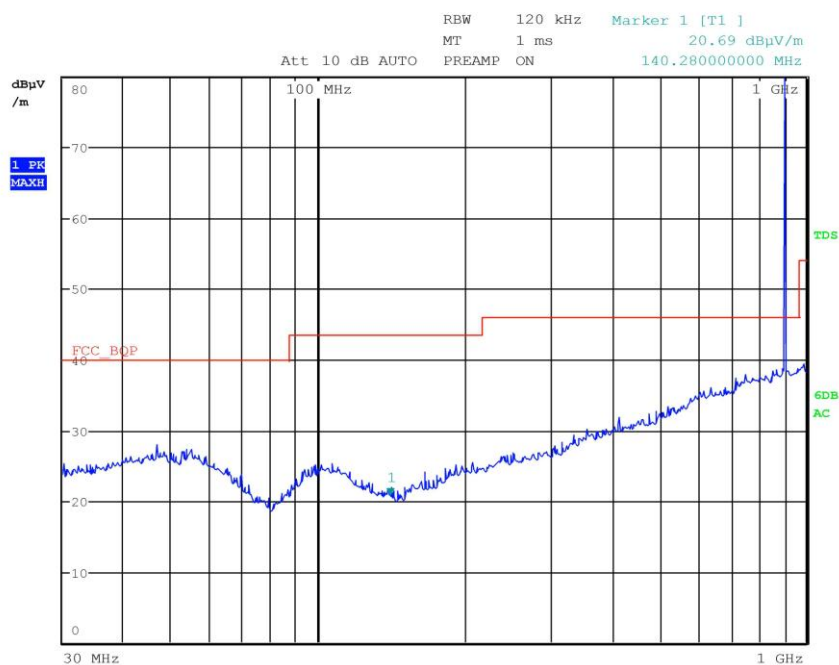
The requirements are met



12. Graphs and Tables

G11103001

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX ch min
Operator Bertezzolo 11103001
Test Spec
Horiz



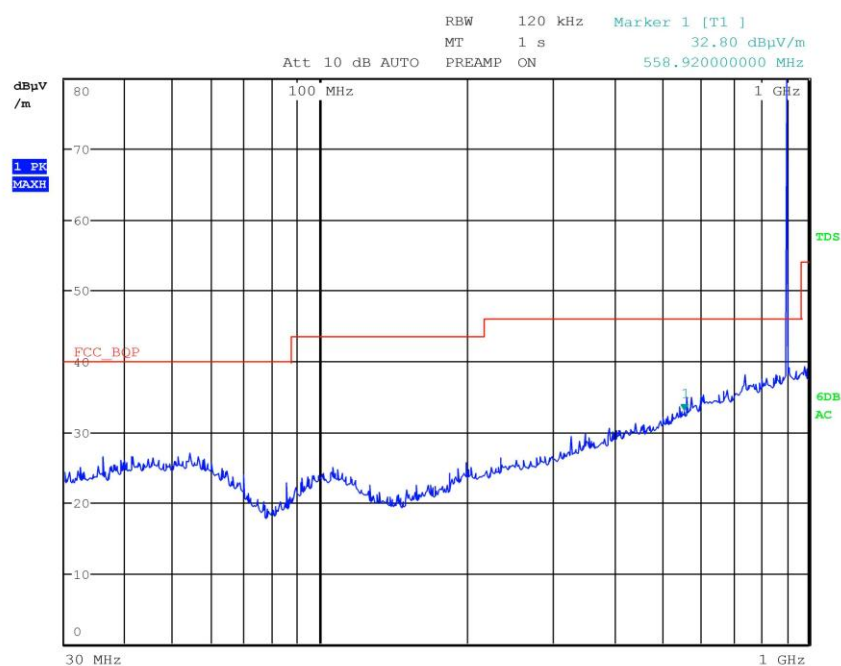
Final Measurement

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



G11103002

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX ch min
Operator Bertezolo 11103002
Test Spec
Vert



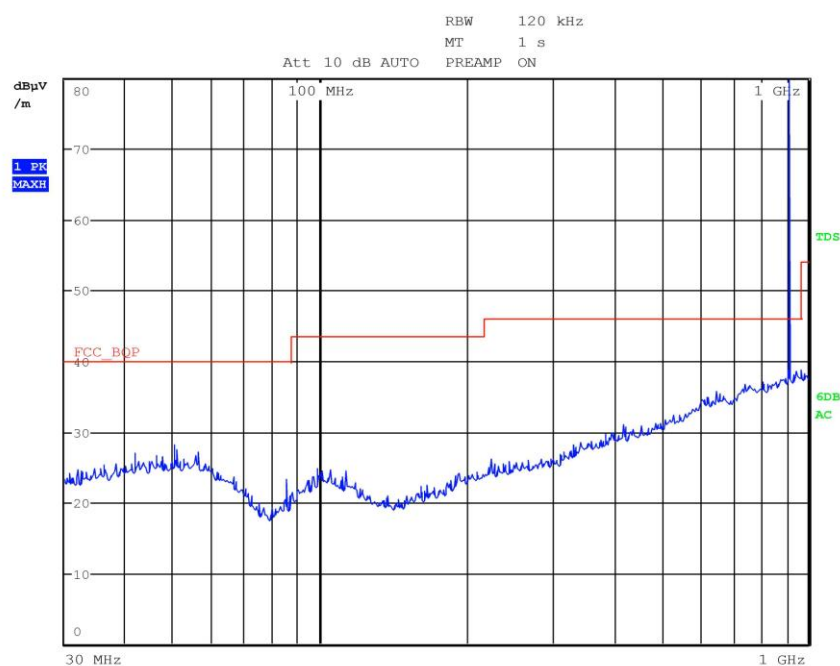
Final Measurement

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



G11103003

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX ch med
Operator Bertezolo 11103003
Test Spec
Vert



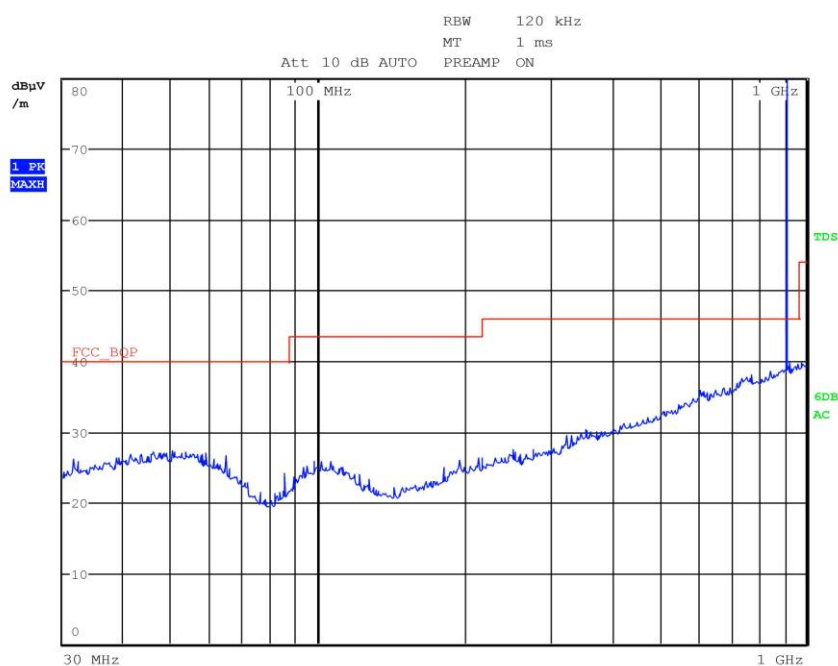
Final Measurement

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



G11103004

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX ch med
Operator Bertezolo 11103004
Test Spec
Horiz



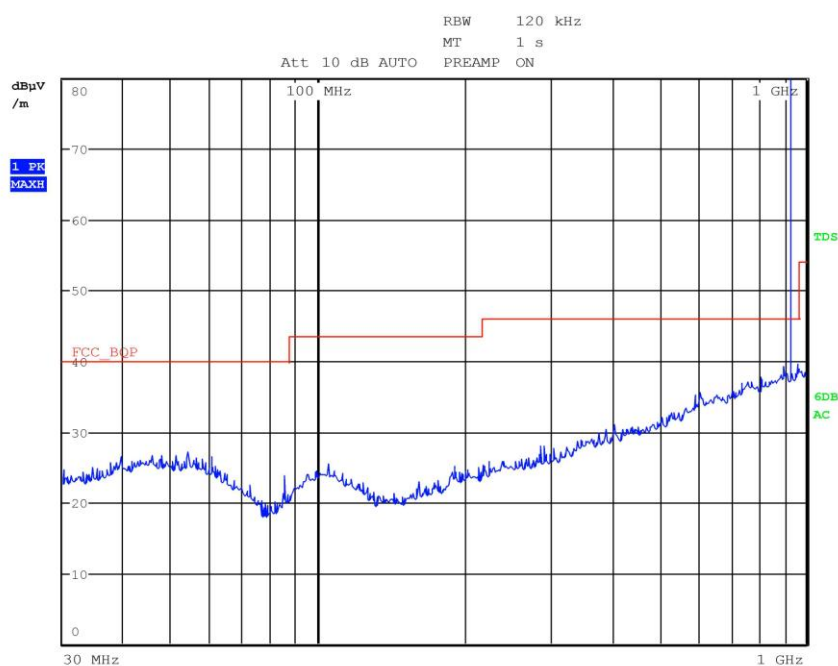
Final Measurement

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



G11103005

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX ch max
Operator Bertezolo 11103005
Test Spec
Horiz



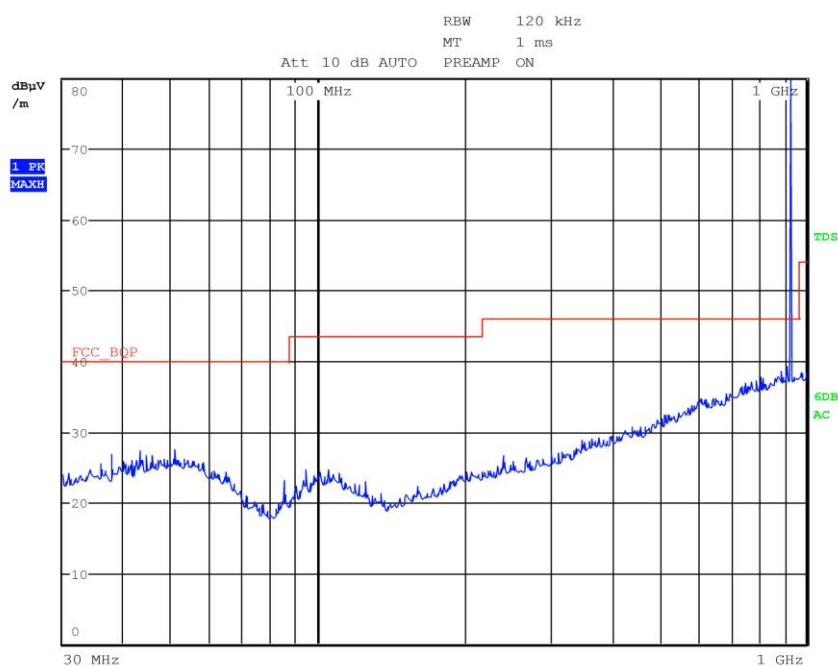
Final Measurement

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



G11103006

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX ch max
Operator Bertezolo 11103006
Test Spec
Vert



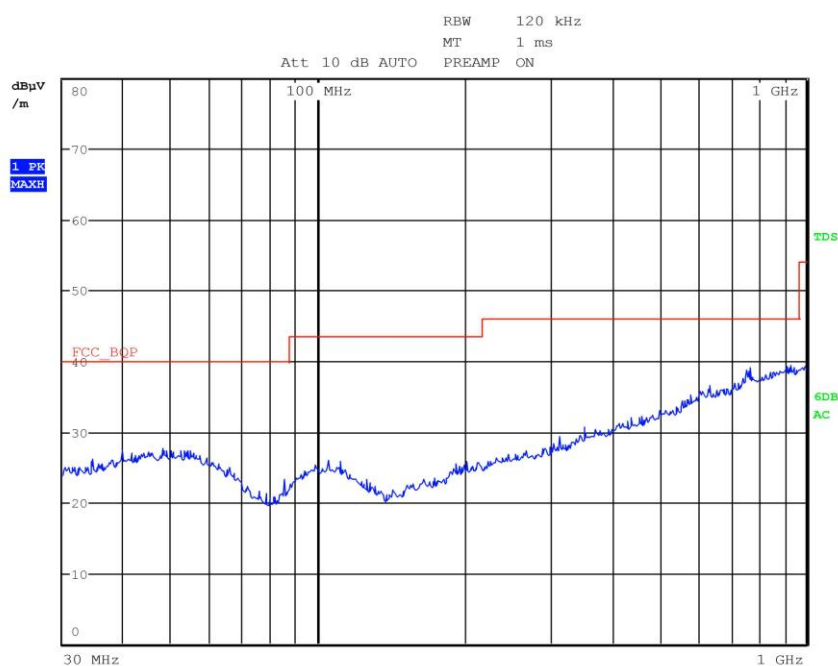
Final Measurement

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



G11103007

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition RX ch max
Operator Bertezolo 11103007
Test Spec
Vert



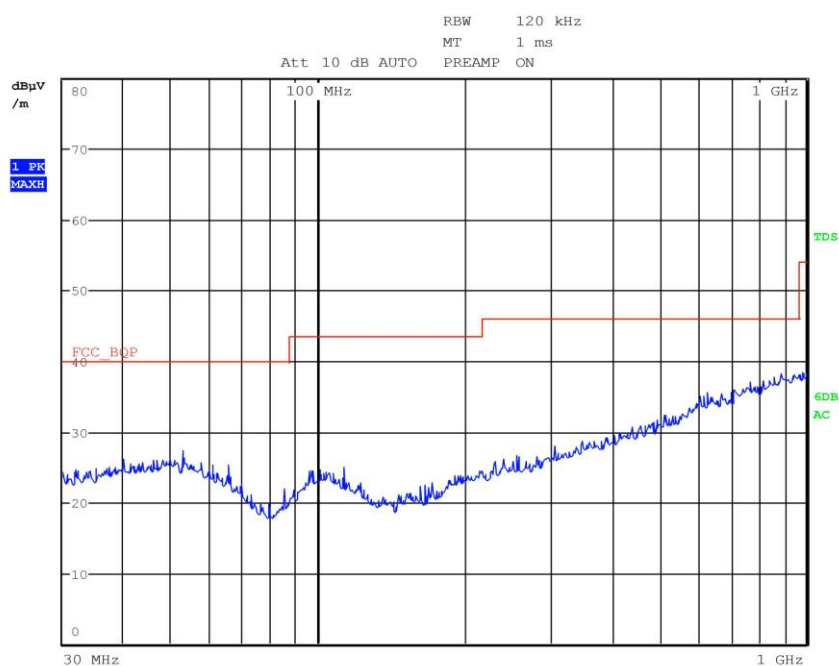
Final Measurement

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



G11103008

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition RX ch min
Operator Bertezolo 11103009
Test Spec
Horiz



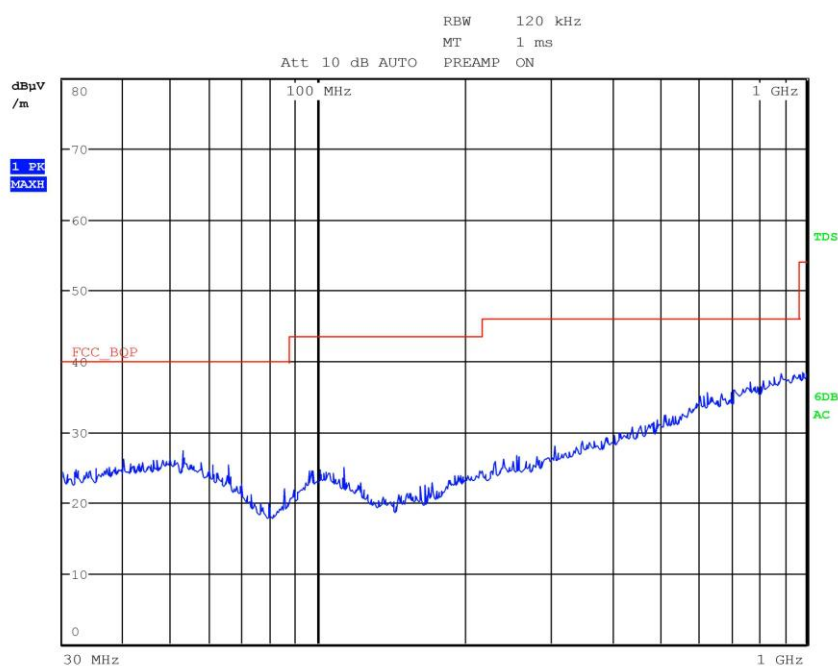
Final Measurement

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



G11103009

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition RX ch med
Operator Bertezolo 11103009
Test Spec
Horiz



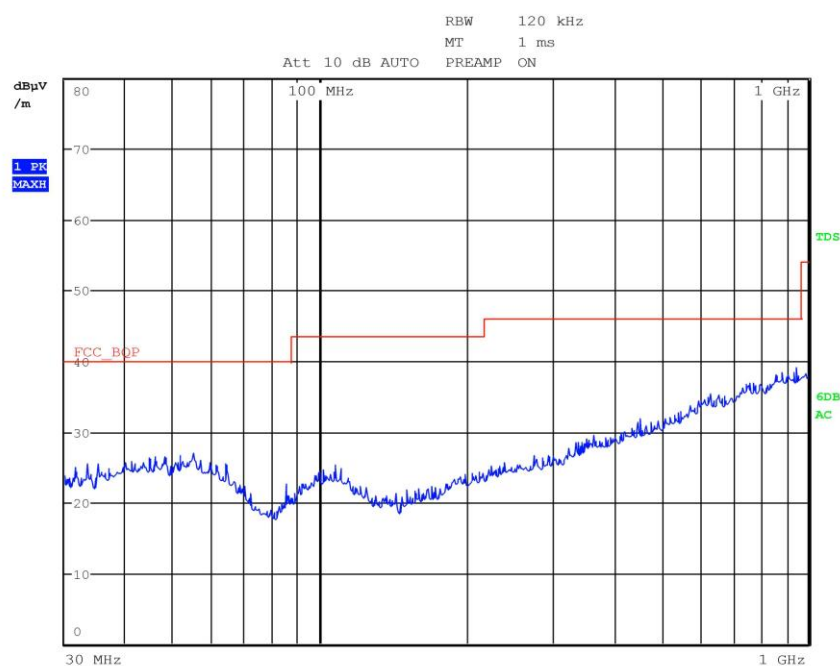
Final Measurement

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



G11103010

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition RX ch med
Operator Bertezolo 11103010
Test Spec
Vert



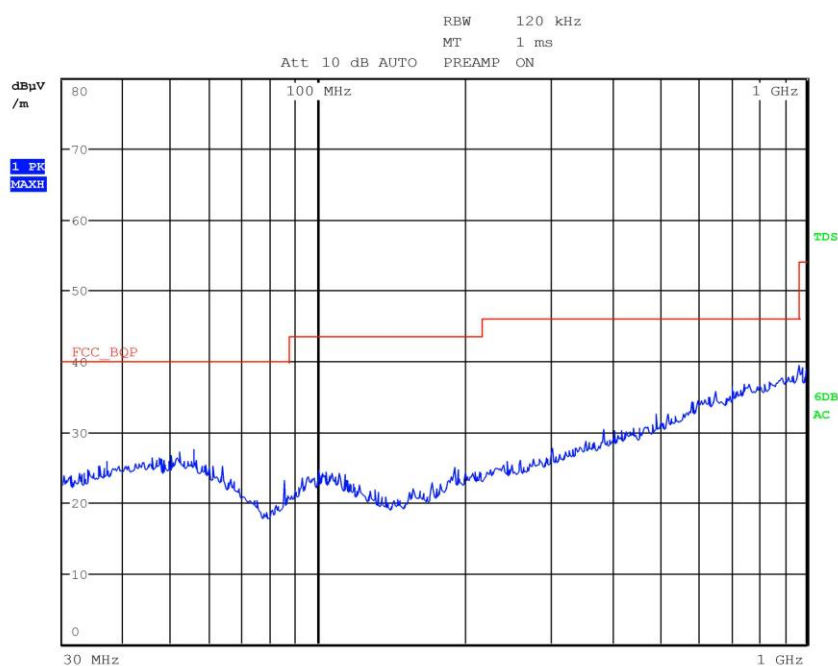
Final Measurement

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



G11103011

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition RX ch min
Operator Bertezolo 11103011
Test Spec
Vert



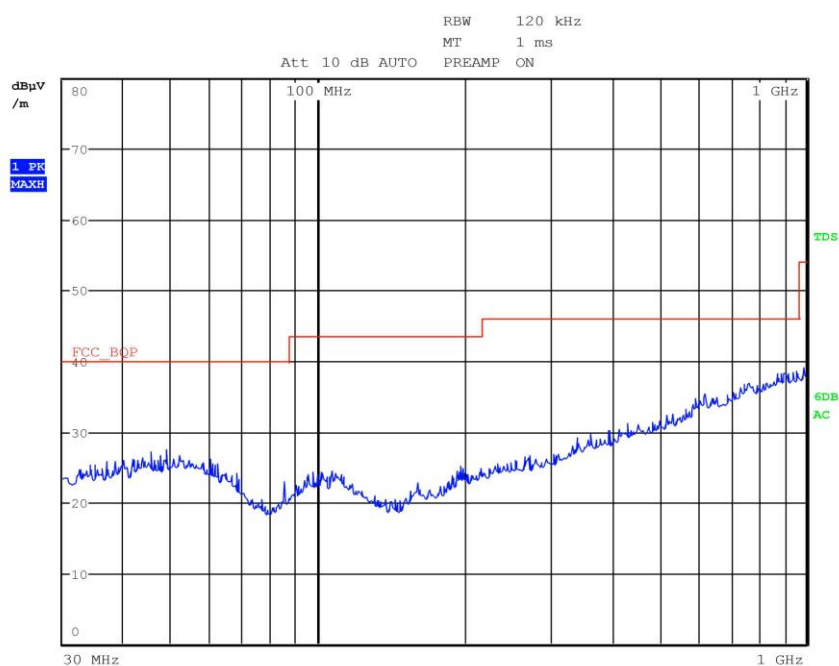
Final Measurement

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



G11103012

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition RX ch min
Operator Bertezolo 11103012
Test Spec
Horiz



Final Measurement

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



G11103013A



*RBW 100 kHz Marker 1 [T1]
VBW 300 kHz 81.83 dBμV/m
SWT 2.5 ms 927.766000000 MHz

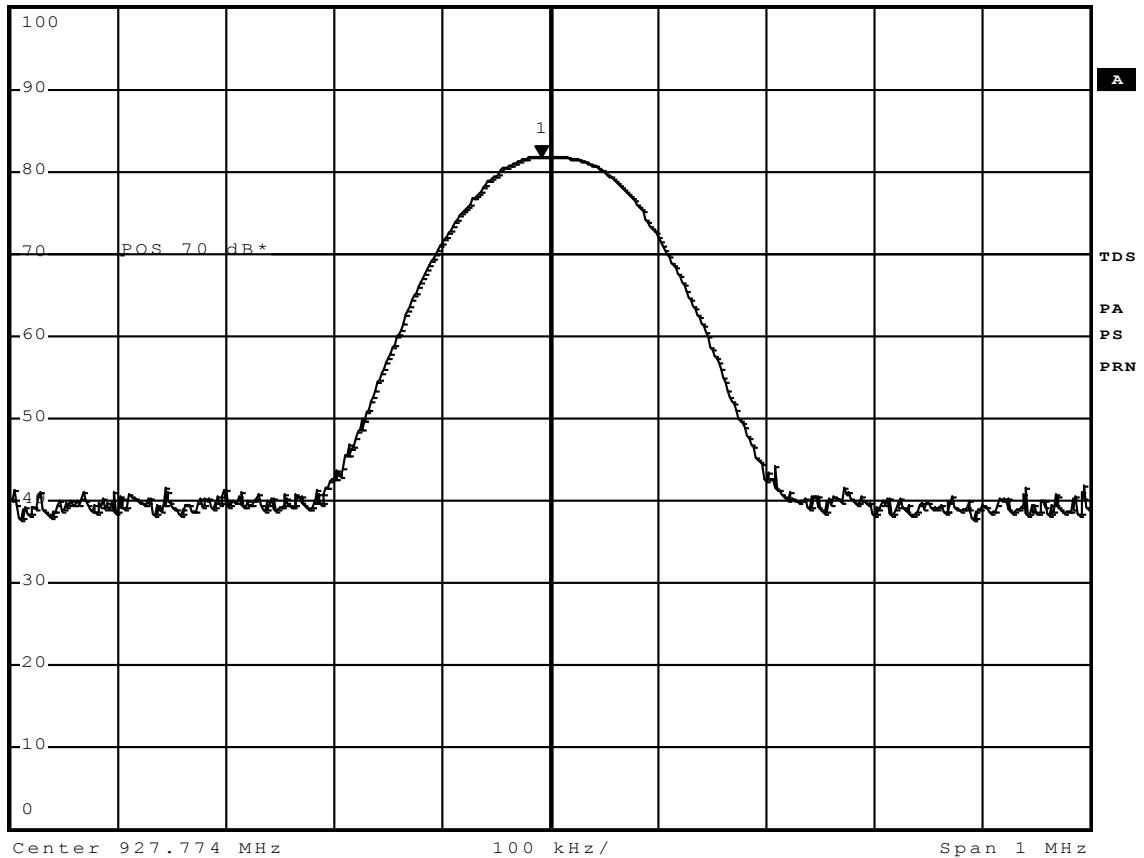
Ref 70 dBμV/m

*Att 10 dB

SWT 2.5 ms

927.766000000 MHz

1 PK
VIEW





G11103014A



*RBW 100 kHz Marker 1 [T1]
VBW 300 kHz 91.39 dBμV/m
SWT 2.5 ms 927.782000000 MHz

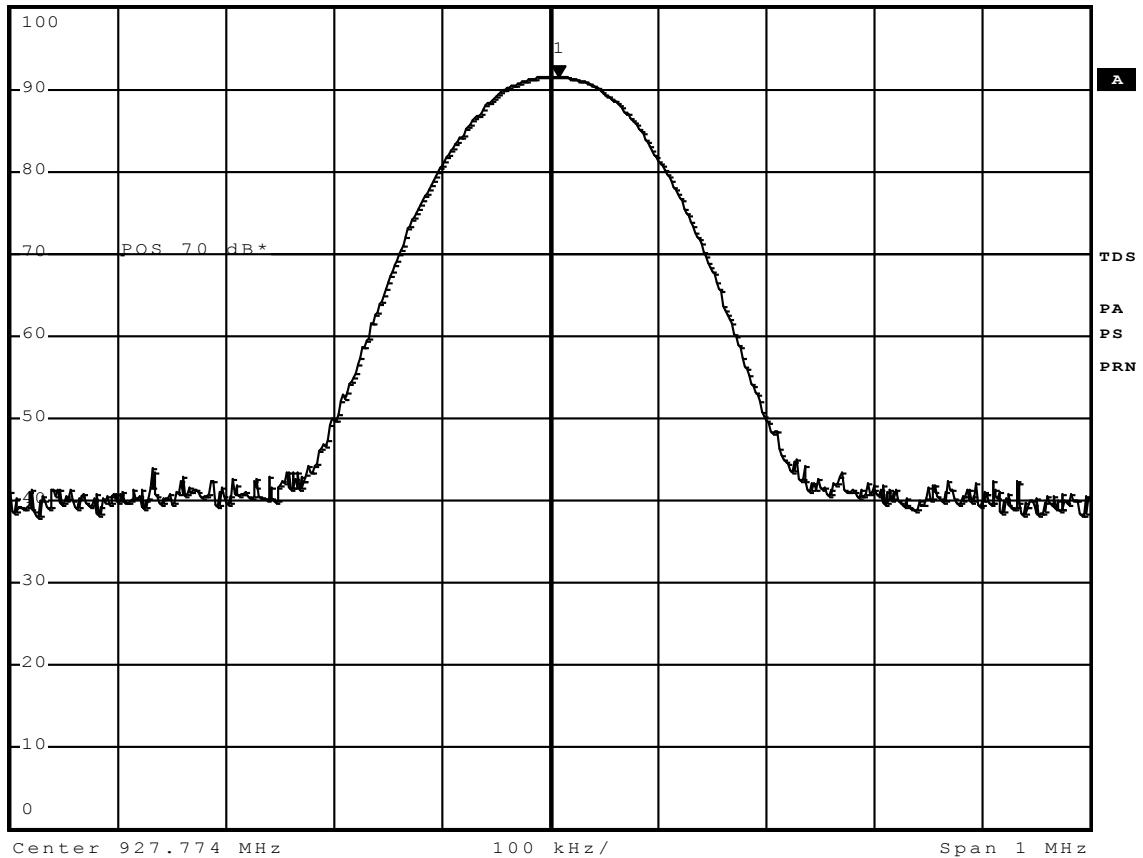
Ref 70 dBμV/m

*Att 10 dB

SWT 2.5 ms

927.782000000 MHz

1 PK
VIEW





G11103015A



*RBW 100 kHz Marker 1 [T1]
VBW 300 kHz 93.24 dBμV/m
SWT 2.5 ms 902.217600000 MHz

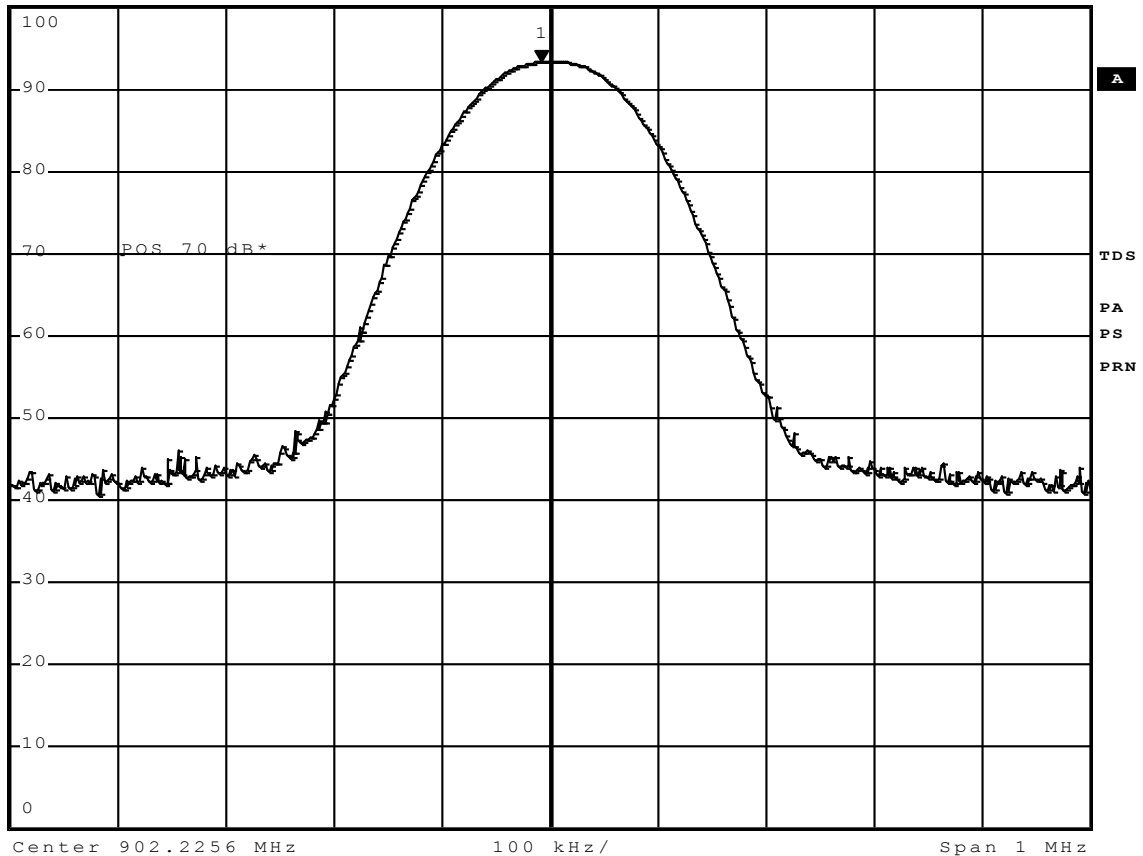
Ref 70 dBμV/m

*Att 10 dB

SWT 2.5 ms

902.217600000 MHz

1 PK
VIEW

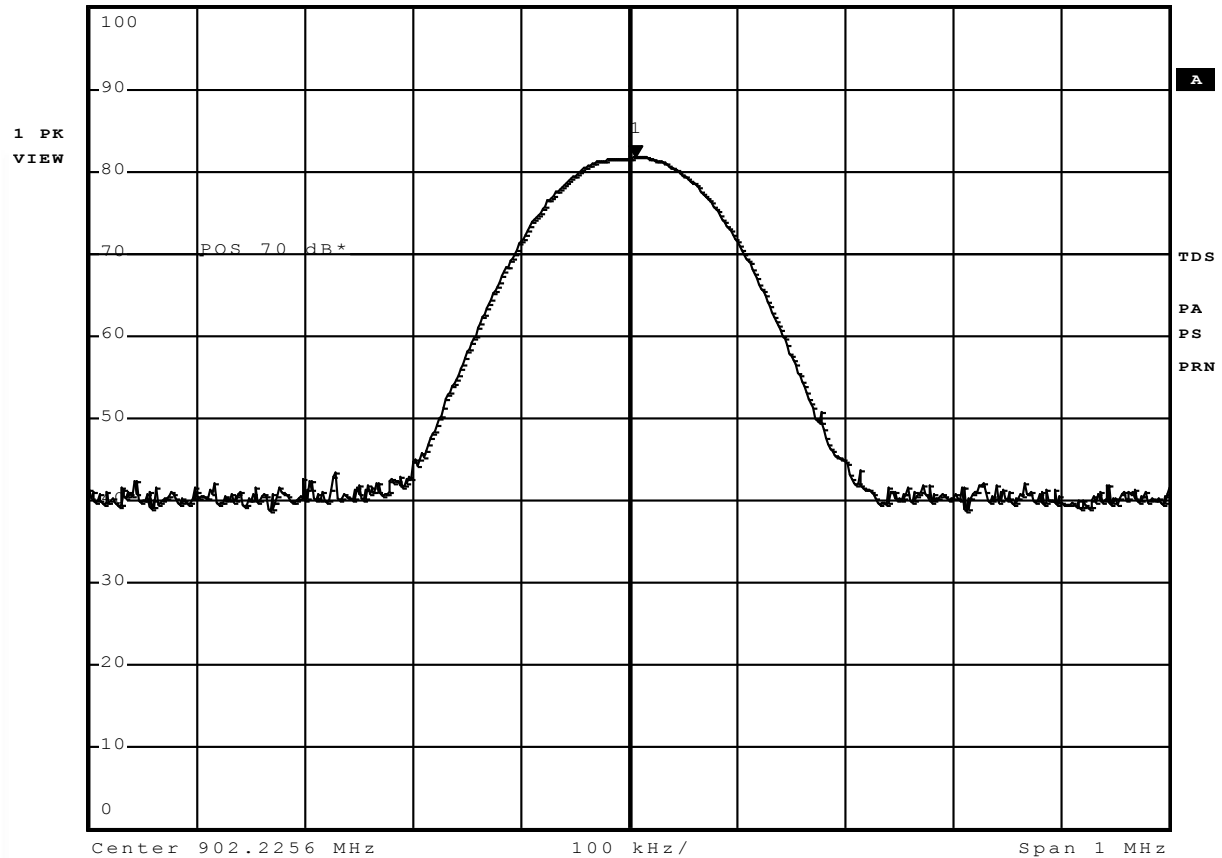




G11103016A



Ref 70 dB μ V/m *Att 10 dB *RBW 100 kHz Marker 1 [T1] VBW 300 kHz 81.69 dB μ V/m
SWT 2.5 ms 902.231600000 MHz

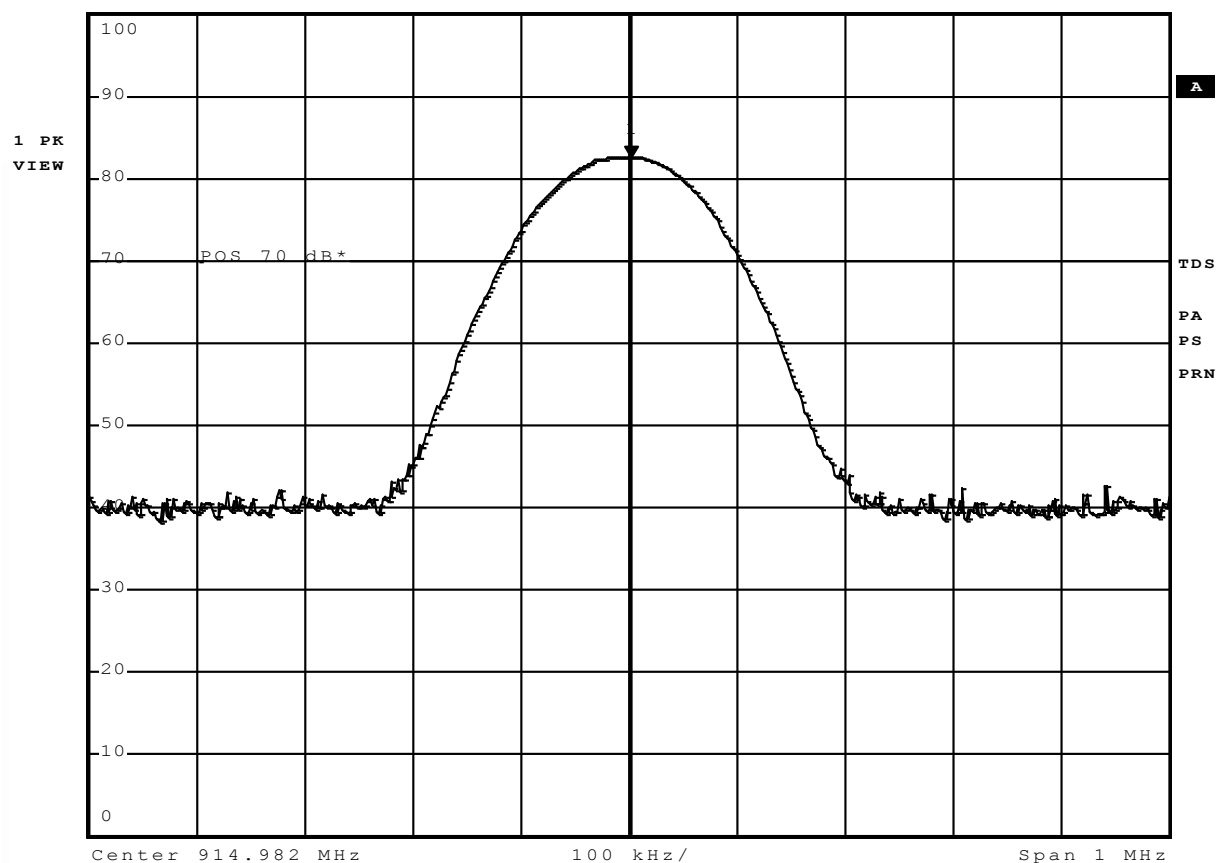




G11103017A



*RBW 100 kHz Marker 1 [T1]
VBW 300 kHz 82.54 dBμV/m
Ref 70 dBμV/m *Att 10 dB SWT 2.5 ms 914.984000000 MHz



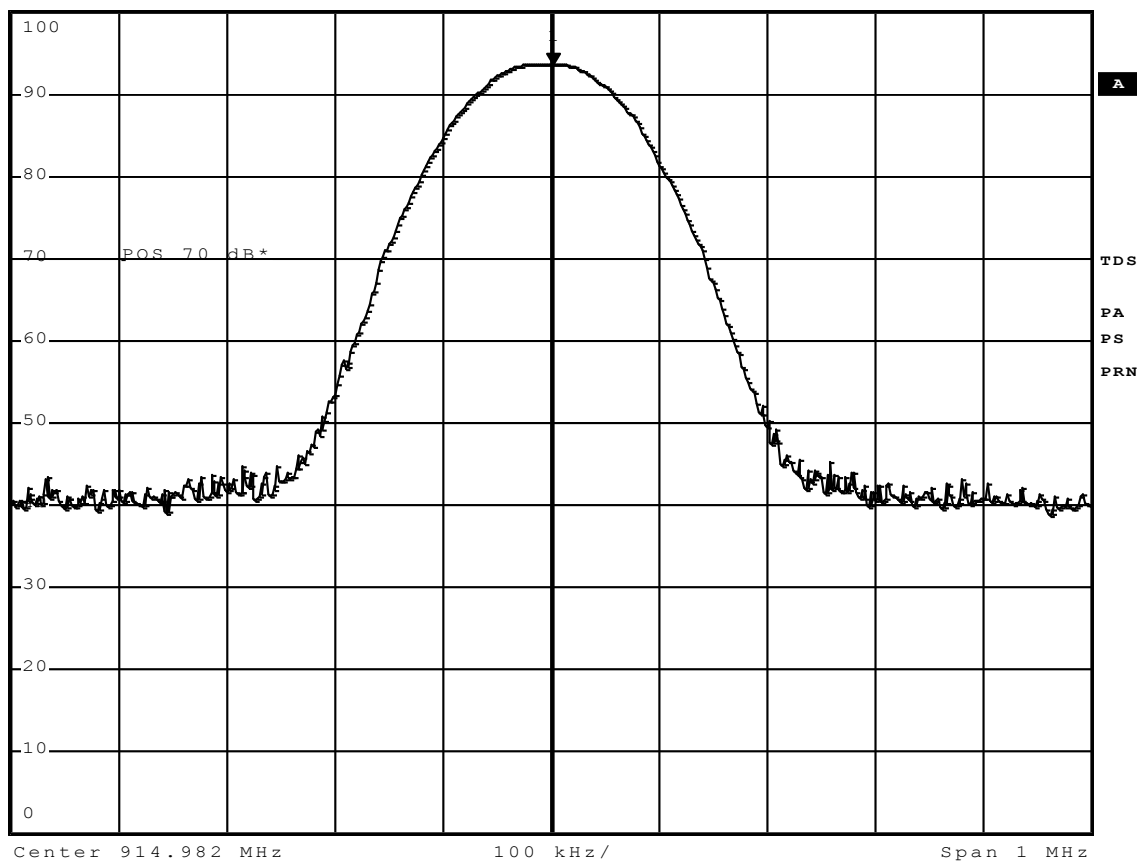


G11103018A



*RBW 100 kHz Marker 1 [T1]
VBW 300 kHz 93.65 dBμV/m
Ref 70 dBμV/m *Att 10 dB SWT 2.5 ms 914.984000000 MHz

1 PK
VIEW





G11103019A



*RBW 3 kHz Marker 1 [T1]
VBW 10 kHz 75.85 dBμV/m
SWT 15 ms 914.982400000 MHz

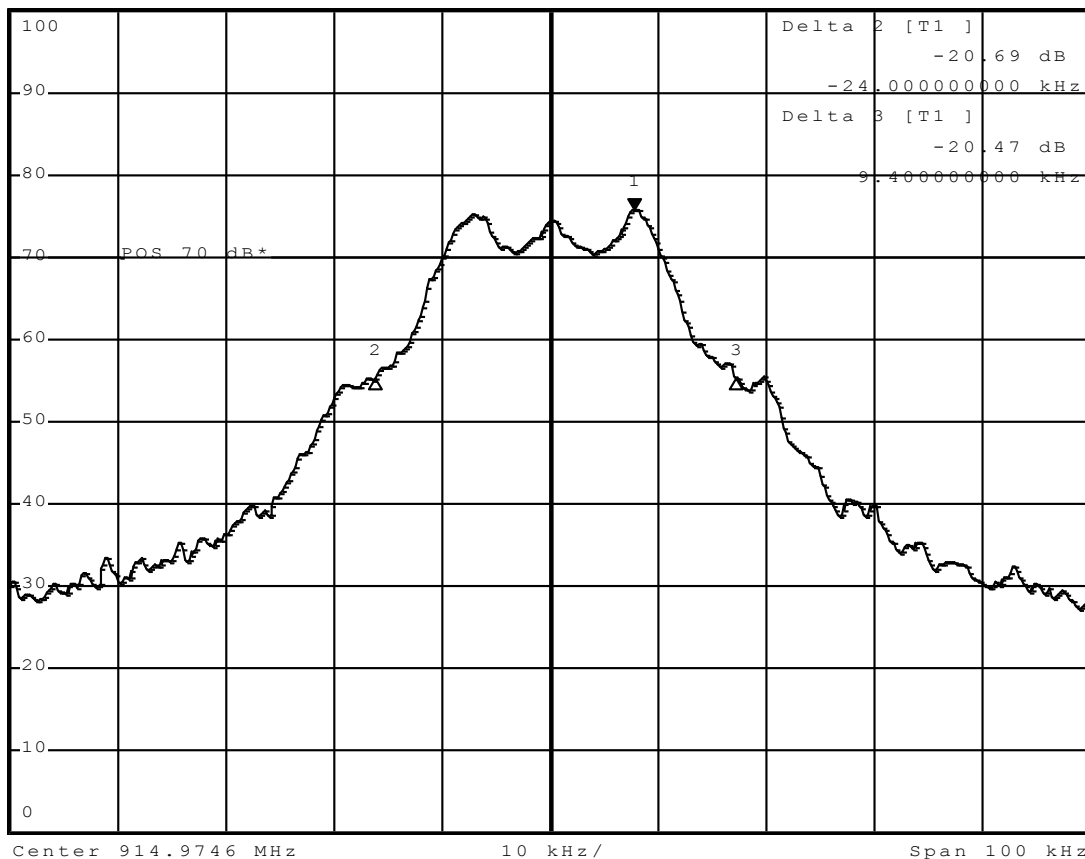
Ref 70 dBμV/m

*Att 10 dB

SWT 15 ms

914.982400000 MHz

1 PK
VIEW





G11103020A



*RBW 3 kHz Marker 1 [T1]
VBW 10 kHz 79.55 dBμV/m
SWT 15 ms 902.233400000 MHz

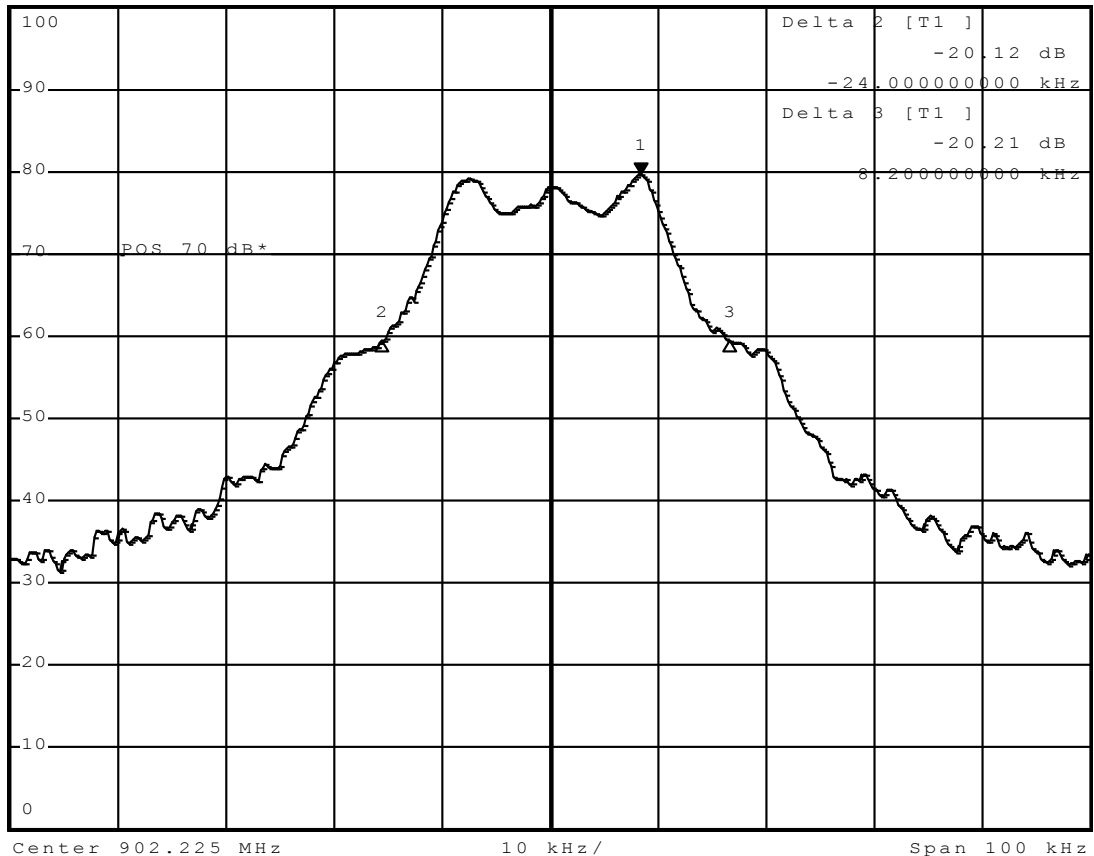
Ref 70 dBμV/m

*Att 10 dB

SWT 15 ms

902.233400000 MHz

1 PK
VIEW



A

TDS

PA

PS

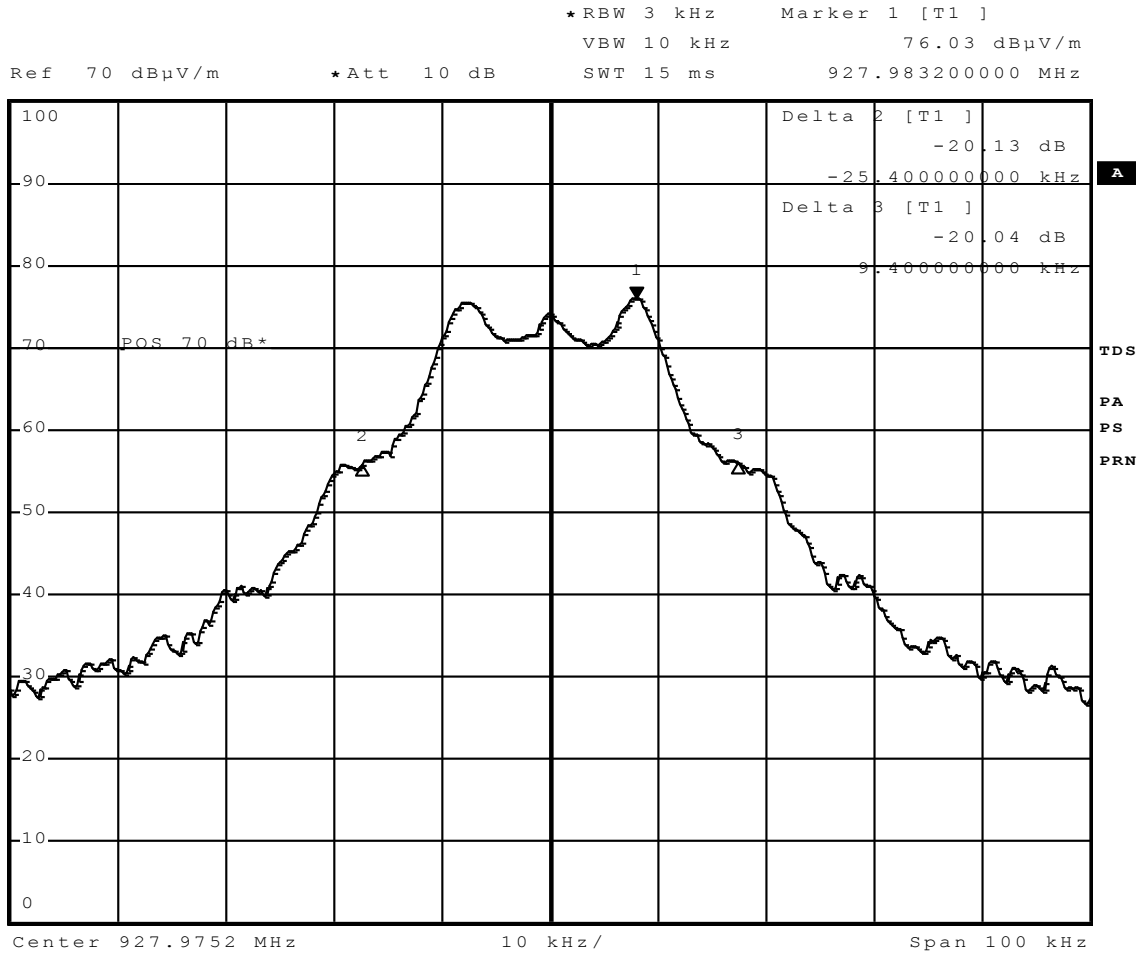
PRN



G11103021A



1 PK
VIEW

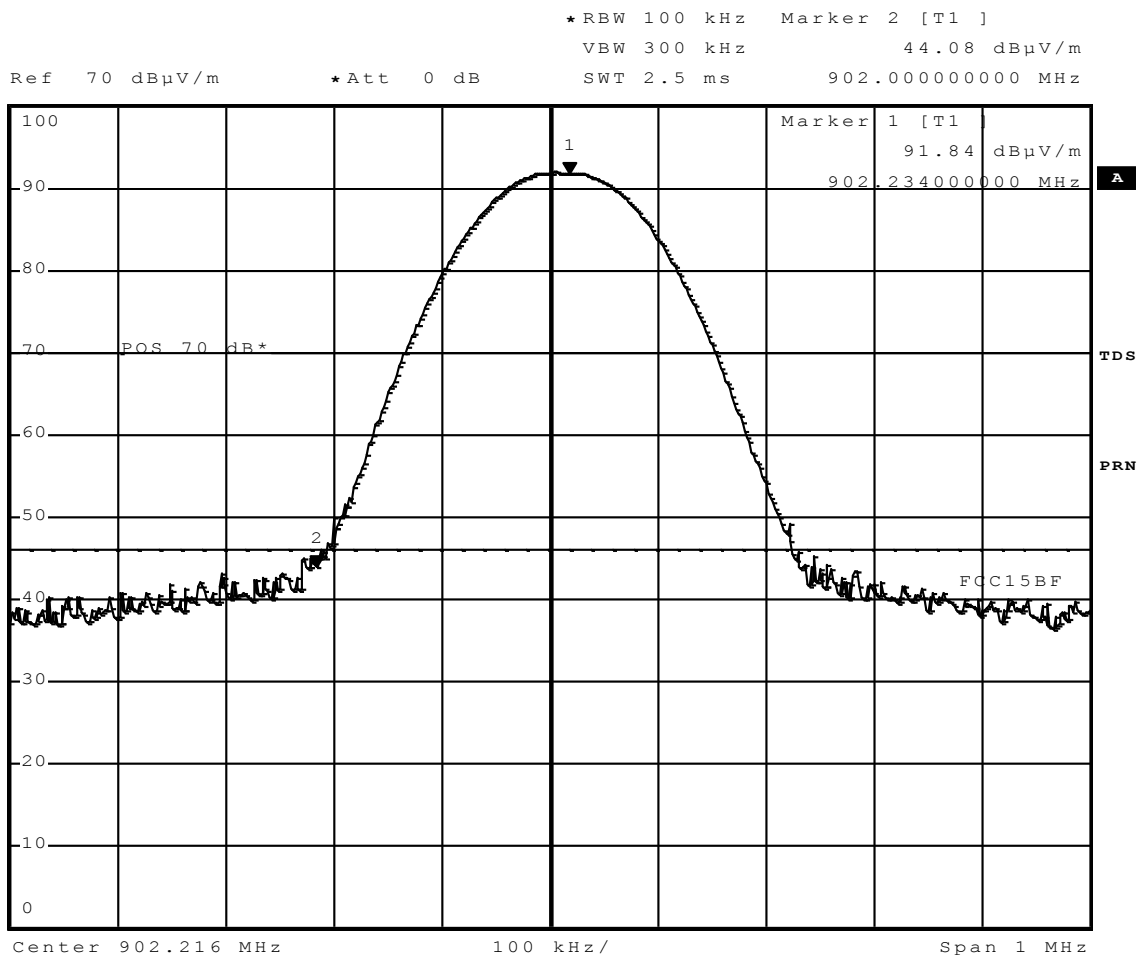




G11103022A



1 PK
VIEW



CMC Centro Misure Compatibilità S.r.l.



G11103024A



*RBW 100 kHz Marker 1 [T1]
VBW 300 kHz 91.59 dBμV/m
SWT 2.5 ms 927.769000000 MHz

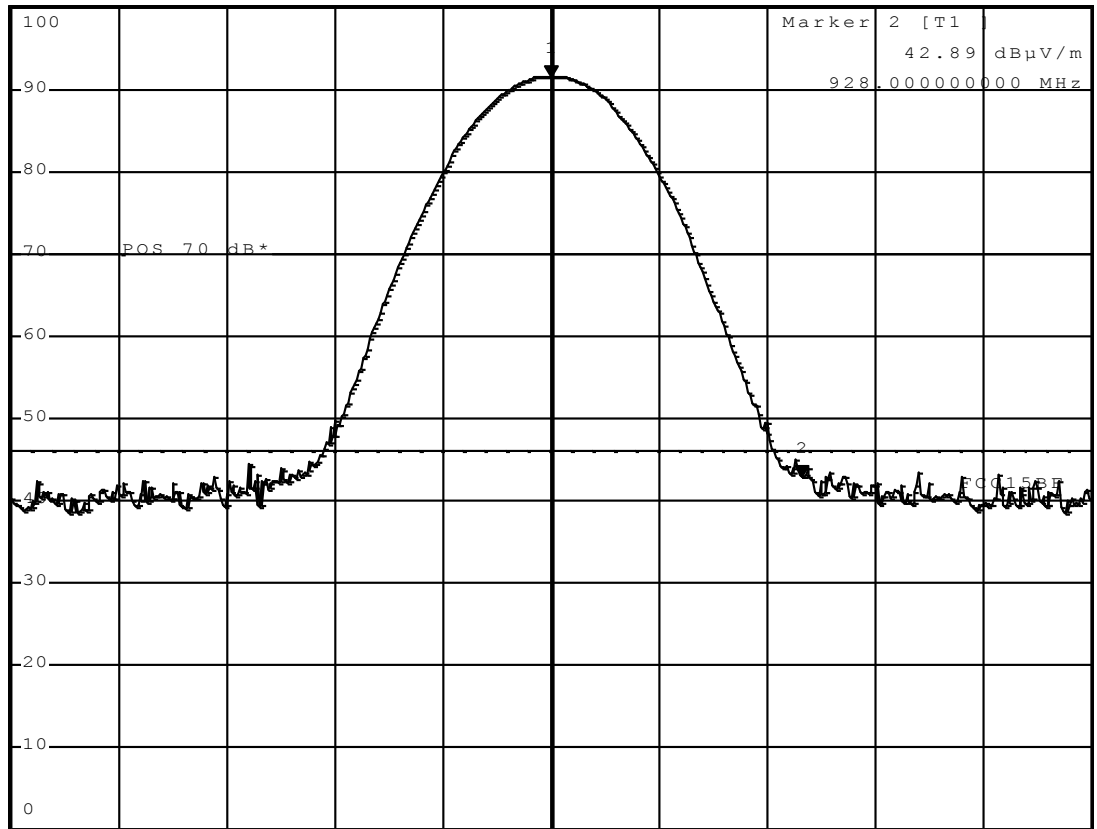
Ref 70 dBμV/m

*Att 10 dB

SWT 2.5 ms

927.769000000 MHz

1 PK
VIEW



Center 927.769 MHz

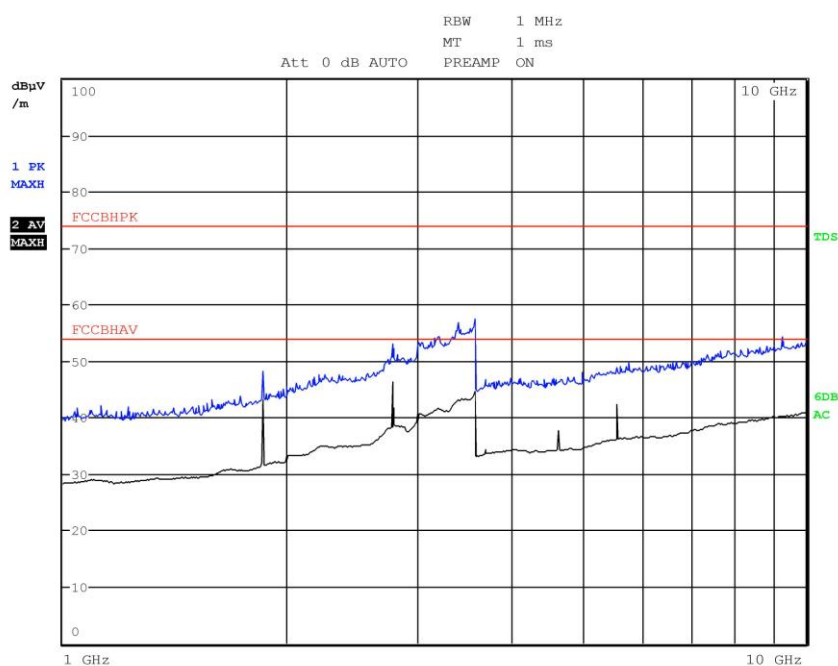
100 kHz/

Span 1 MHz



G11103026

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX CH max
Operator Bertezolo 11103026
Test Spec
Horiz



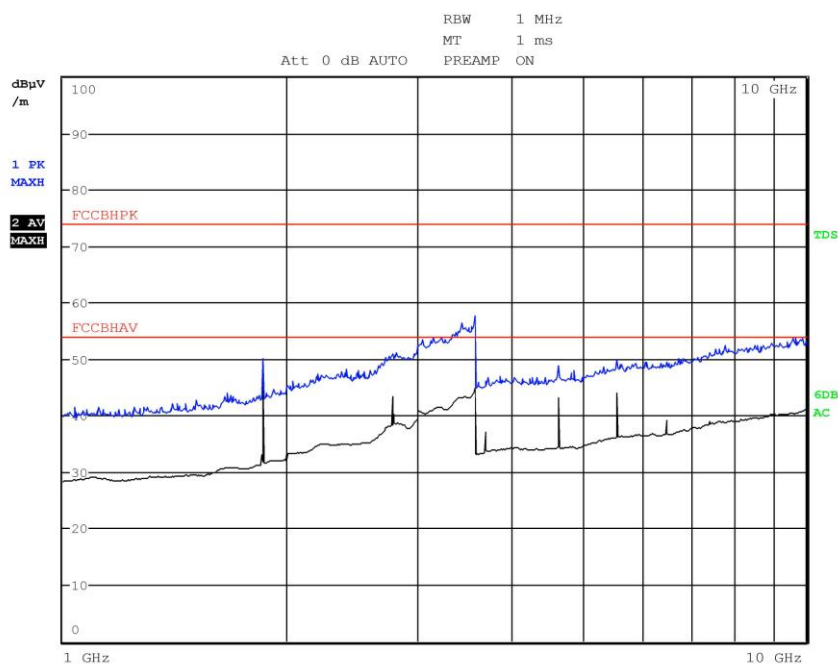
Final Measurement

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



G11103027

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX CH max
Operator Bertezolo 11103027
Test Spec
Vert



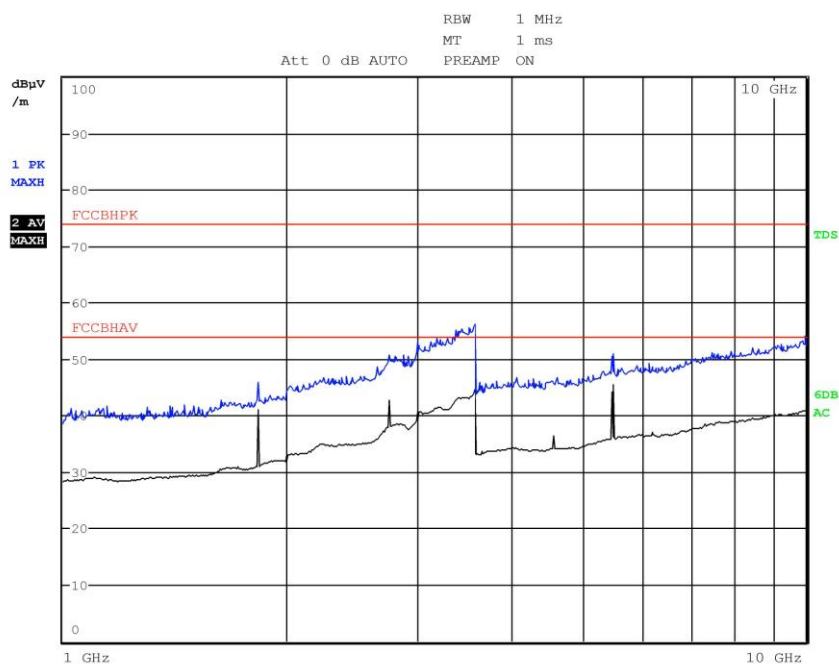
Final Measurement

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



G11103028

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX CH med
Operator Bertezolo 11103028
Test Spec
Vert



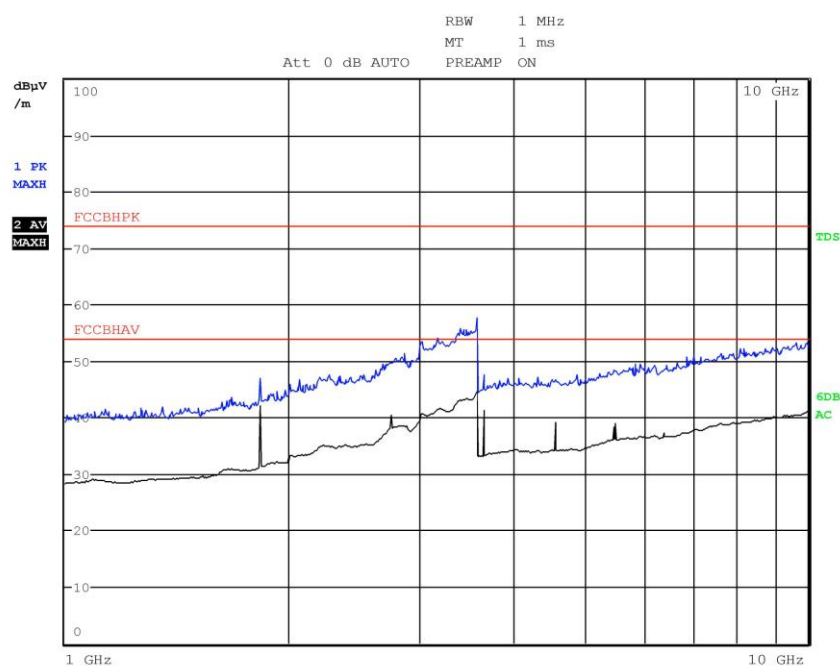
Final Measurement

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



G11103029

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX CH med
Operator Bertezolo 11103029
Test Spec
Horiz



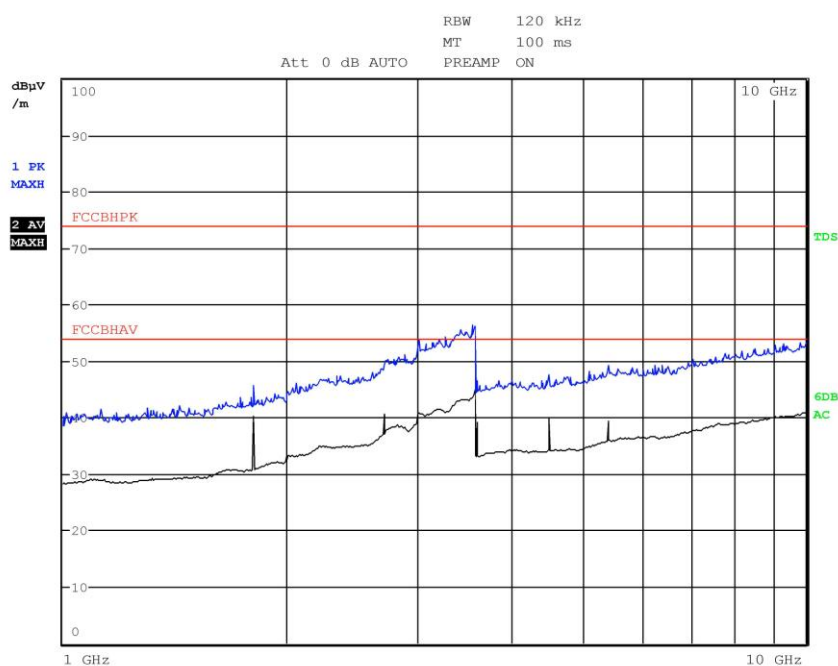
Final Measurement

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



G11103030

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX CH min
Operator Bertezolo 11103030
Test Spec
Horiz



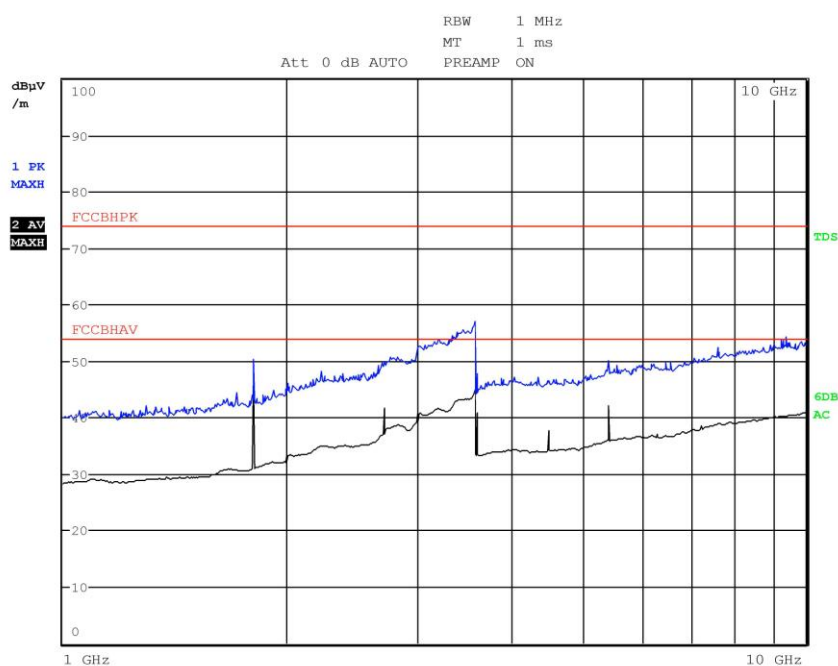
Final Measurement

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



G11103031

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX CH min
Operator Bertezzo 11103031
Test Spec
Vert



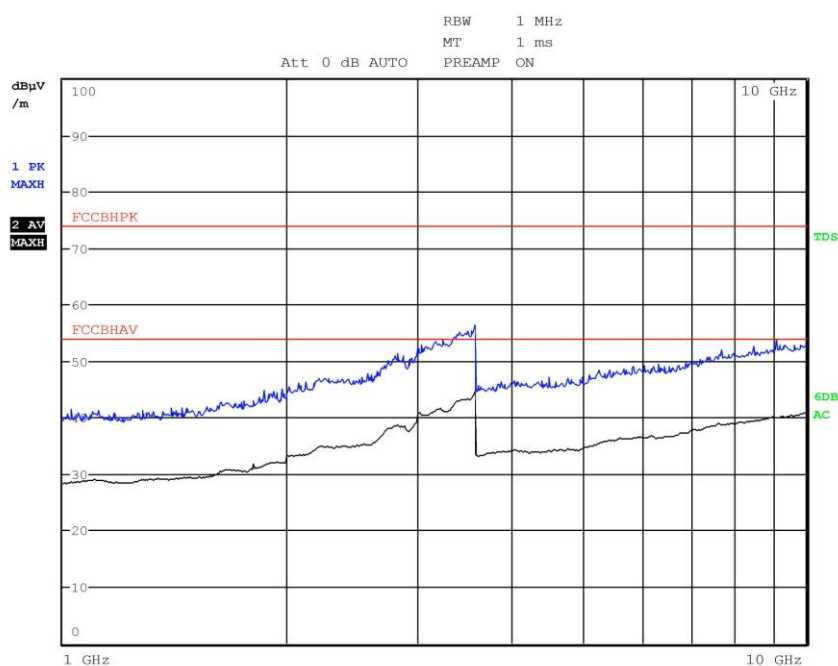
Final Measurement

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



G11103032

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition RX CH min
Operator Bertezolo 11103032
Test Spec
Vert



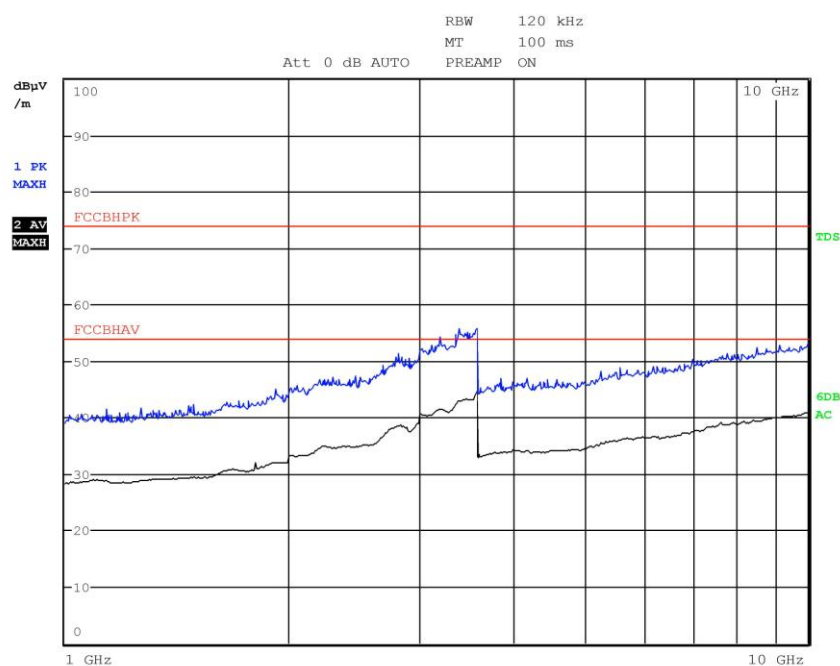
Final Measurement

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



G11103033

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition RX CH min
Operator Bertezolo 11103033
Test Spec
Horiz



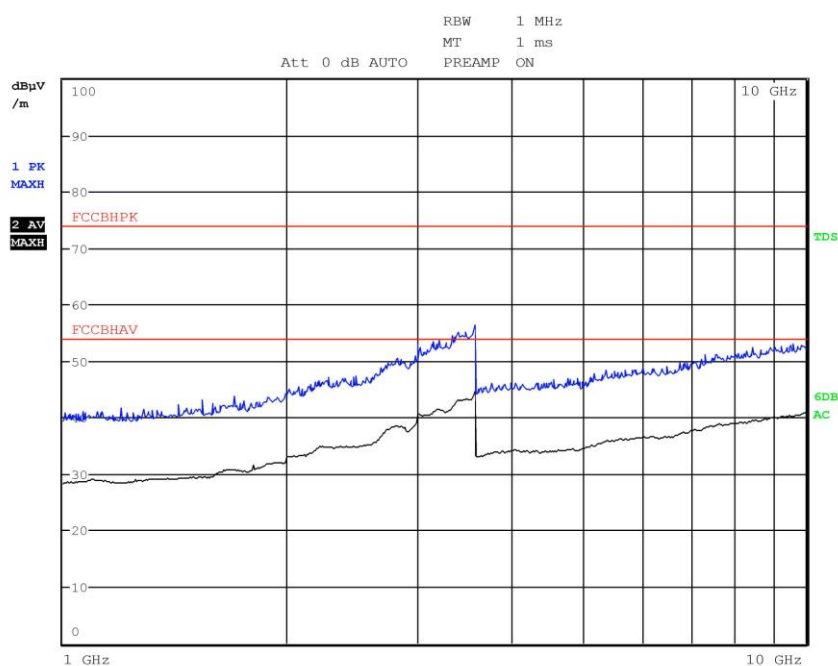
Final Measurement

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



G11103034

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition RX CH med
Operator Bertezolo 11103034
Test Spec
Horiz



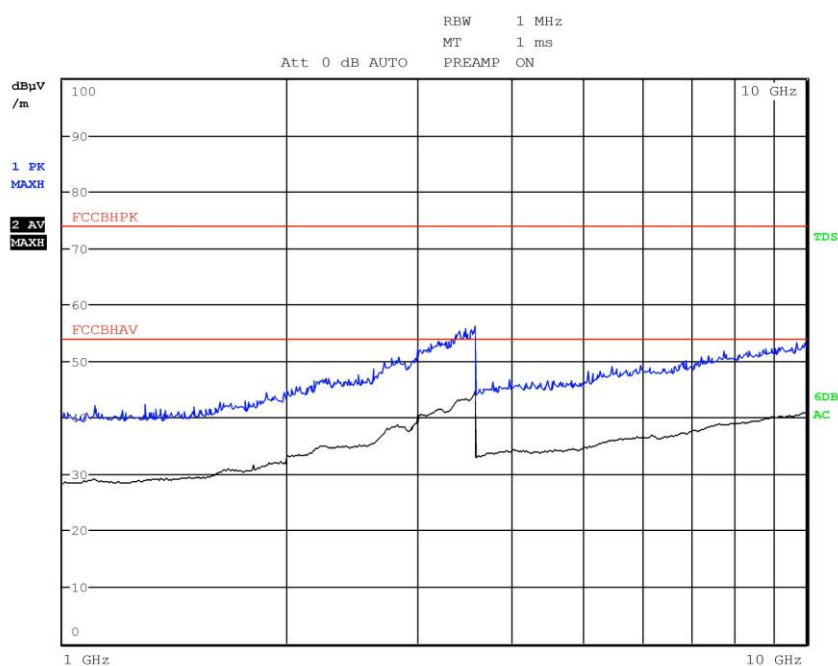
Final Measurement

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



G11103035

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition RX CH med
Operator Bertezolo 11103035
Test Spec
Vert



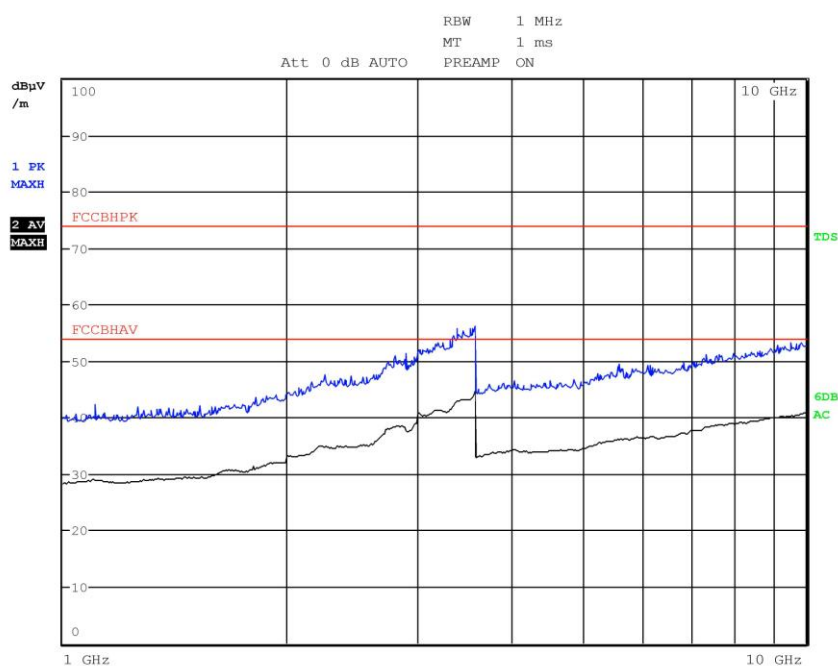
Final Measurement

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



G11103036

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition RX CH max
Operator Bertezolo 11103036
Test Spec
Vert



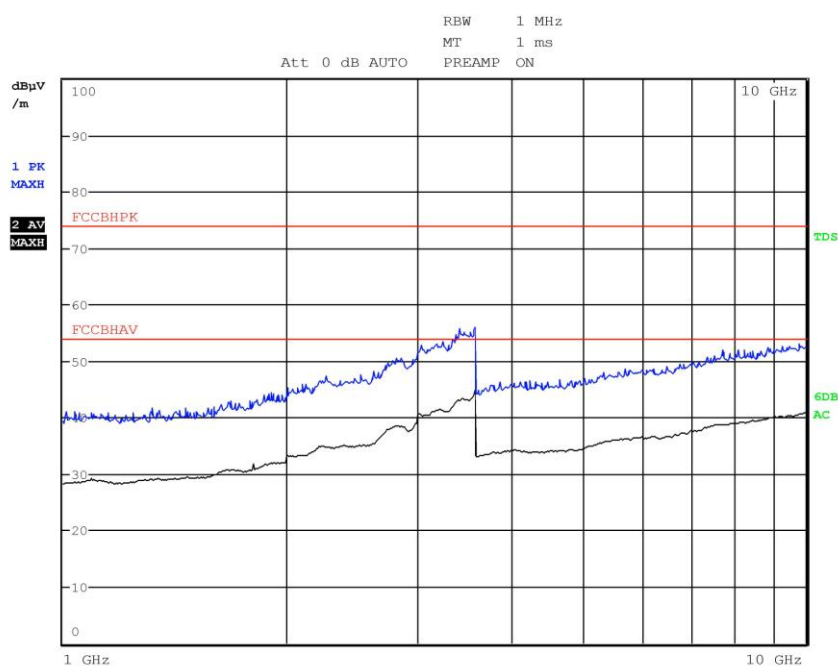
Final Measurement

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



G11103037

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition RX CH max
Operator Bertezolo 11103037
Test Spec
Horiz



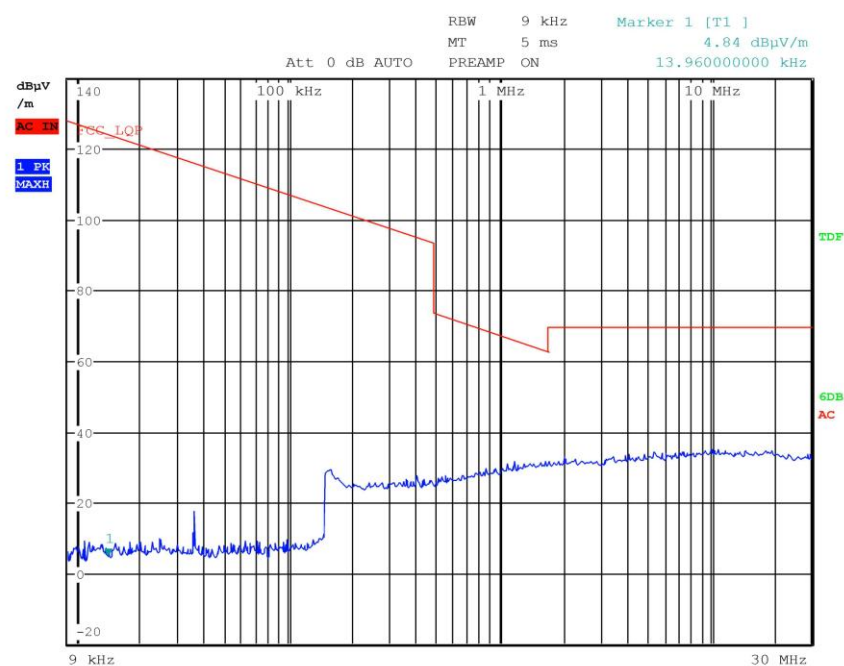
Final Measurement

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



G11103038

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX CH max
Operator Bertezolo 11103038
Test Spec
Loop



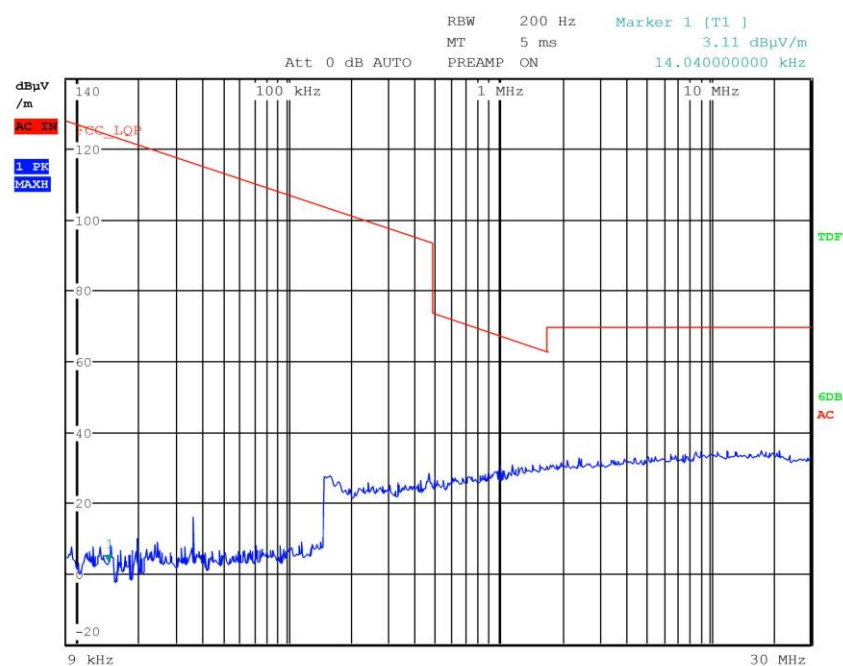
Final Measurement

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



G11103039

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX CH med
Operator Bertezolo 11103039
Test Spec
Loop



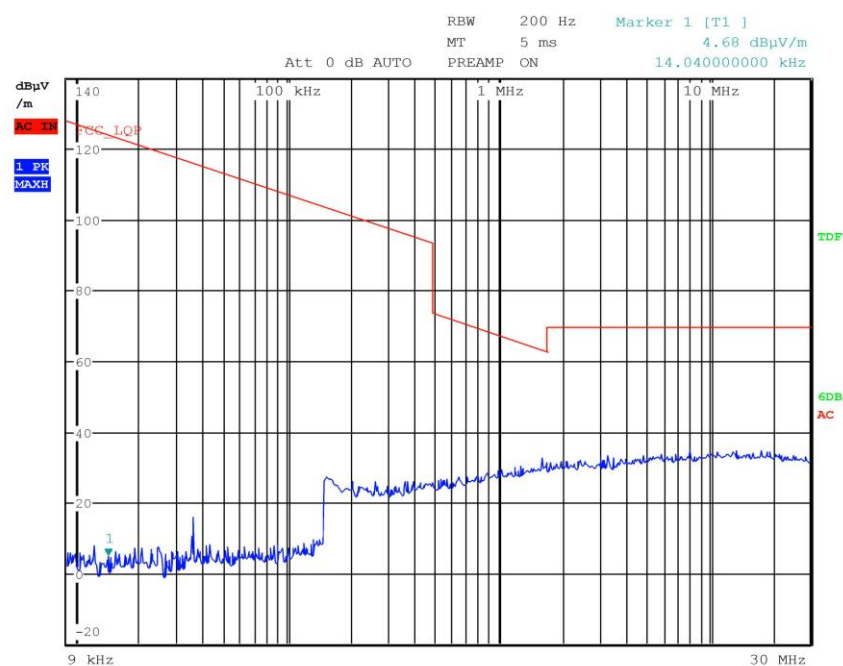
Final Measurement

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



G11103040

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX CH min
Operator Bertezolo 11103040
Test Spec
Loop



Final Measurement

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

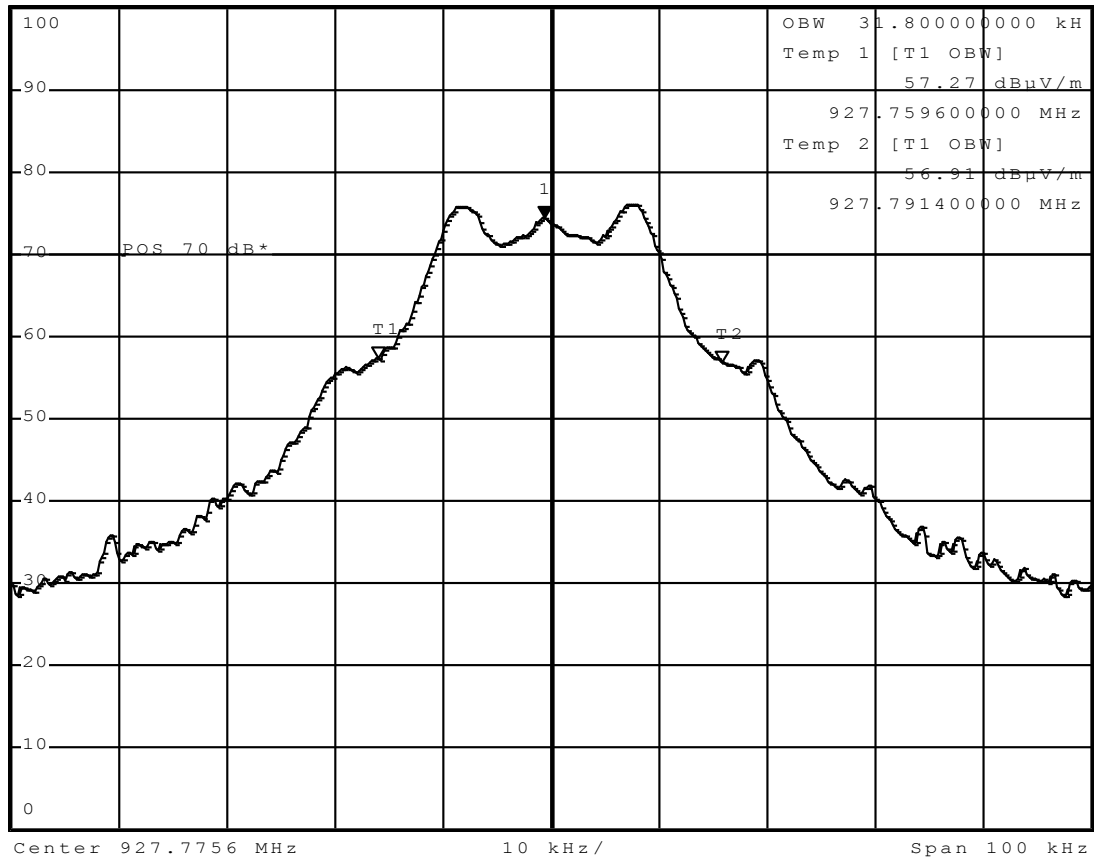


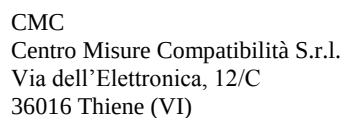
G111030A1A



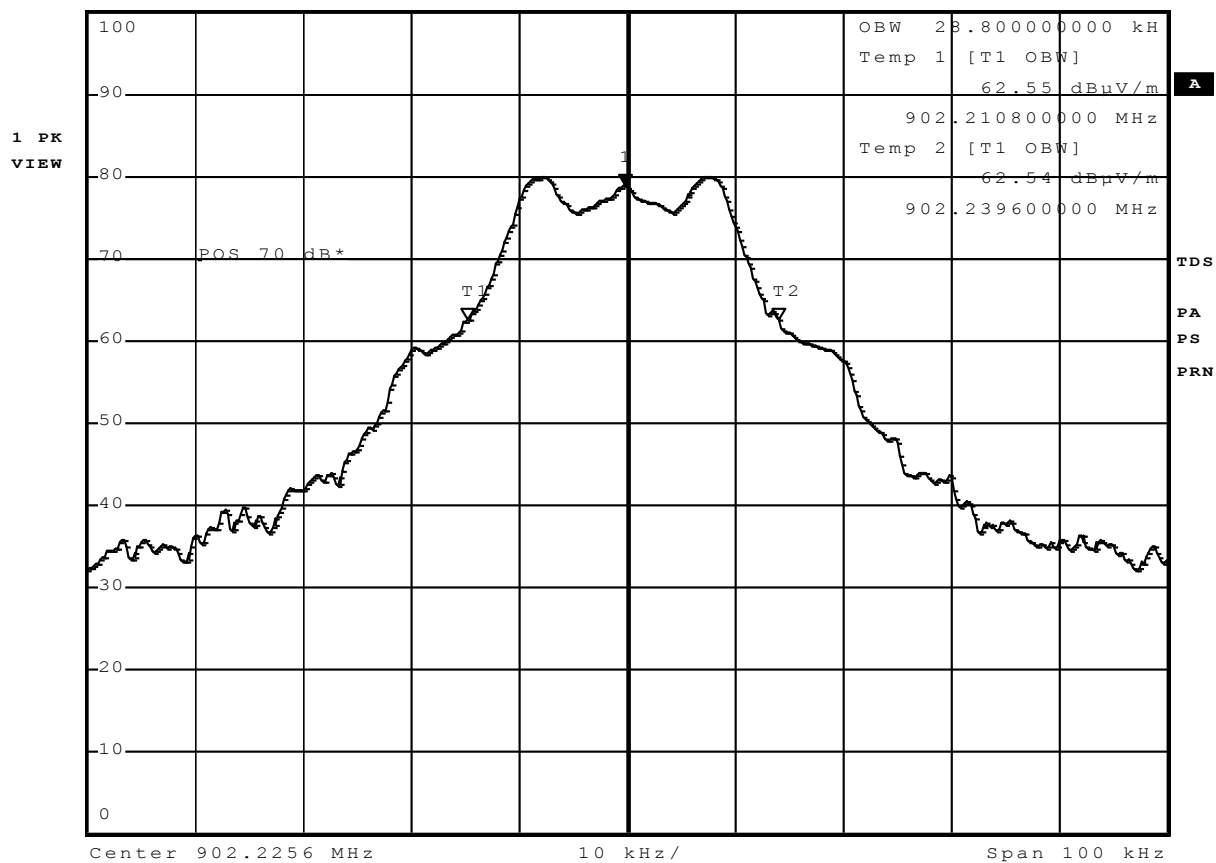
*RBW 3 kHz Marker 1 [T1]
VBW 10 kHz 74.28 dBμV/m
Ref 70 dBμV/m *Att 10 dB SWT 15 ms 927.775000000 MHz

1 PK
VIEW





Ref 70 dBµV/m *Att 10 dB SWT 15 ms 902.225400000 MHz



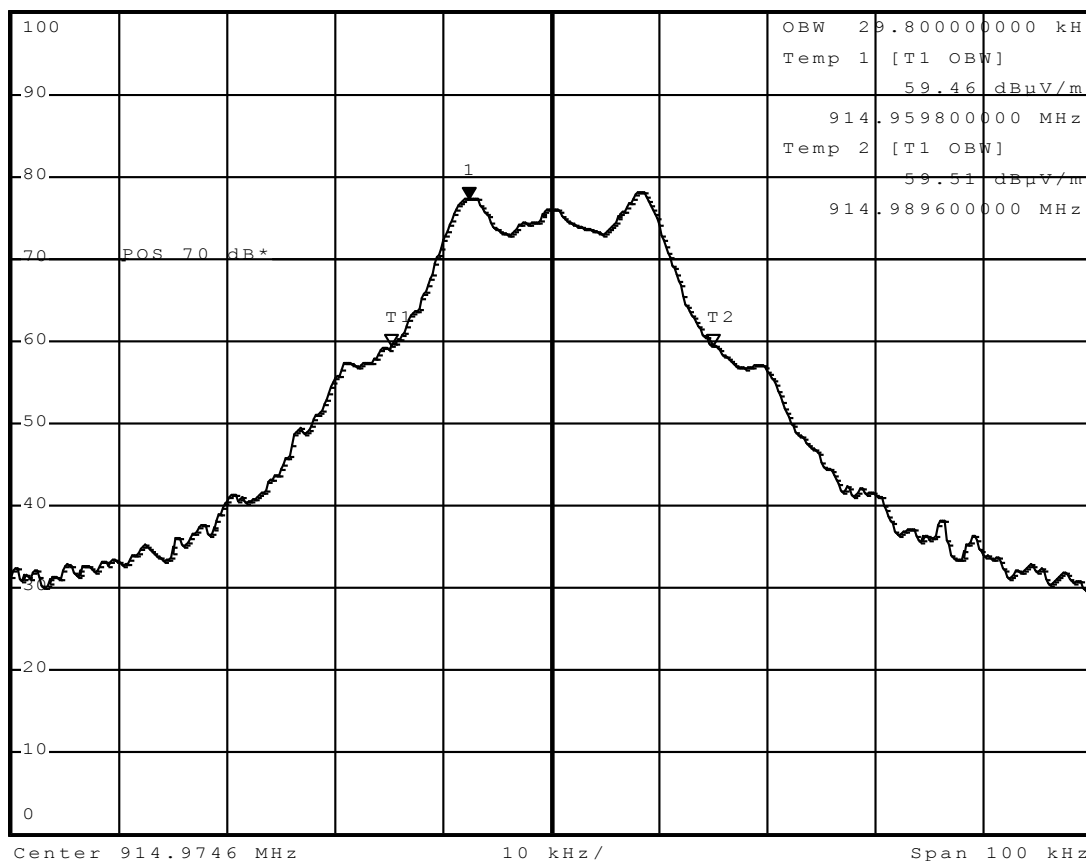


G111030A3A



1 PK
VIEW

Ref 70 dB μ V/m *Att 10 dB *RBW 3 kHz VBW 10 kHz Marker 1 [T1] 77.42 dB μ V/m
SWT 15 ms 914.967000000 MHz



A

TDS

PA

PS

PRN