Independent Testing Laboratory
CMC Centro Misure Compatibilità S.r.l.
Via dell'Elettronica, 12/C
36016 Thiene (VI) – ITALY
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Accredited by Ministry of Communications – Notified Body EMC Directive 2004/108/EC n° NB 2044

TEST REPORT nr. R12086101

Federal Communication Commission (FCC)

Industry Canada (IC)

Test item

Description..... :	UJB WIRELESS BASE UNIT
Trademark..... :	HEXAGON METROLOGY
Model/Type..... :	UJB WIRELESS KIT EC code G59680500 – UJB WIRELESS KIT US code G59680600

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..... :	HEXAGON METROLOGY S.p.A.
Address ..... :	Via Vittime di Piazza della Loggia, 6 – 10024 Moncalieri (TO) – ITALY
Manufacturer's name. :	Same ad client
Address ..... :	--

Report

Tested by..... :	A. Bertezzolo - *Technician*
Approved by..... :	R. Beghetto - *Laboratory Manager*
Date of issue..... :	21/01/13
Contents ..... :	56 pages

Index

1. Summary

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.

2. Description of Equipment under test (EUT)

Power supply	:	7,2 Vdc from battery
Type of equipment	:	☒ Transmitter Unit ☒ Receiver Unit
		☒ Fixed station ☐ Portable station ☐ Mobile station
Alignment range	:	902 – 928 MHz
Switching frequency	:	902 – 928 MHz
Modulation	:	GFSK
Information on antenna	:	Embedded

2.1 Test Site

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

3. Testing and sampling

Date of receipt of test item	:	09.05.12
Testing start date	:	07.06.12
Testing end date	:	23.07.12
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 P120495

4. Operative conditions

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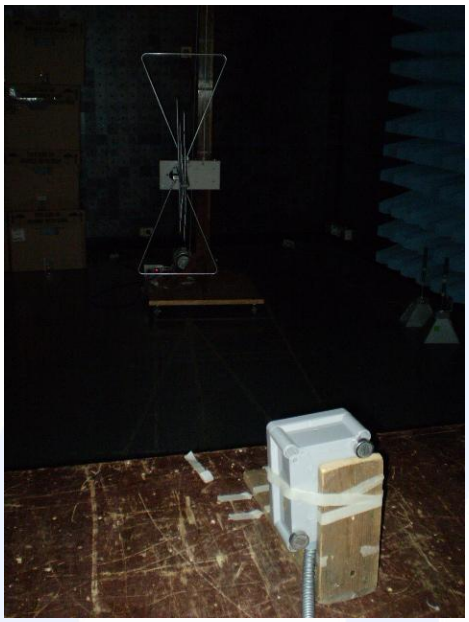
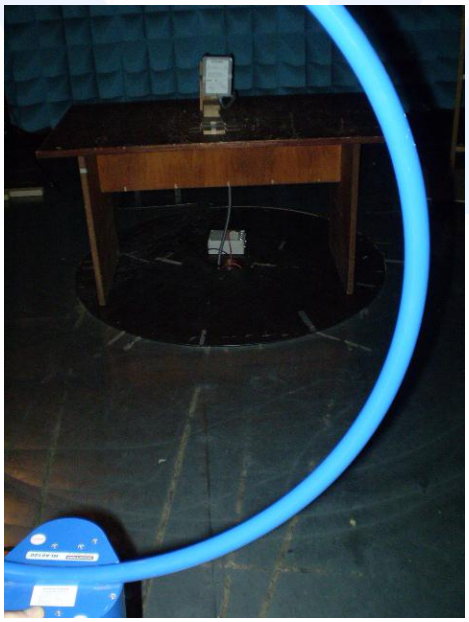
5. Photograph(s) of EUT





6. Equipment list

Id. number	*Manufacturer*	*Model*	*Description*	*Serial number*	*Last calibration*	*Due date calibration*
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
CMC S200	Schwarzbeck	NSLK 8128	V-LISN	8128-273	January '12	January '13

7. Measurement uncertainty

Test	*Expanded Uncertainty*	*note*
Conducted Emission		
(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
DiscontinuousConducted Emission		
Conducted Emission (50Ω/50µH AMN) - (150 kHz – 30 MHz)	±2.9 dB	1
Disturbance Power (30 MHz – 300 MHz)	±2.9 dB	1
Radiated Emission		
(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
Electromagnetic field EMF	±15.0 %	1
Harmonic current emissions test	±2.5 %	1
Voltage fluctuation and flicker test	±4.1 %	1
Insertion loss test	±2.2 dB	1
Radiated electromagnetic disturbance test (loop antenna)	±1.7 dB	1
Radiated electromagnetic field immunity test	0.7 V/m at 3V/m	1
Pulse modulated radiated electromagnetic field immunity test	0.7 V/m at 3V/m	1
Injected currents immunity test	0.5 V at 3V	1
Bulk current	9.2 mA at 60 mA	1
Power frequency magnetic field immunity test	0.3 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	±2.2 %	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 demostrated 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 (2011)	--
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. 8.1 (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.

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	ºC	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 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	-10 dBi	--	Complies

Remarks

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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 ºC Atmospheric pressure 100 kPa Relative humidity 45 %

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
902,750	G12086105	11,21 kHz	--
912,250	G12086112	11,21 kHz	--
923,650	G12086120	11,37 kHz	--
Measurement uncertainty: ±1 kHz			

Remarks

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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 ºC 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
902,750	G12086106	9,935 kHz	--
912,250	G12086113	9,775 kHz	--
923,650	G12086121	9,935 kHz	--
Measurement uncertainty: ±1 kHz			

Remarks

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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: Laboratory
Auxiliary equipment: See clause 4 of this test report

Environmental conditions

Temperature 22 ºC 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 (94dBµV/m)

Result

Frequency (MHz)	*Polarization*	*Graphs*	*Measured QP level (dBµV/m)*	*Peak Output Power (mW)*	*Remark*
902,750	Vertical	G12086103	84,58	1,2	--
902,750	Horizontal	G12086104	85,38	0,3	--
912,250	Horizontal	G12086110	83,22	0,3	--
912,250	Vertical	G12086111	85,75	1,2	--
923,650	Vertical	G12086118	87,52	1,2	--
923,650	Horizontal	G12086119	84,66	1,2	--
Measurement uncertainty: ±3dBm					

Remarks

$P = (E \times d)^2 / (30 \times G)$
Where:
E = the measured maximum fundamental field streght in V/m
G = the numeric gain of the transmitting antenna: 0,1 (-10dBi)
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 ºC 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
902,750	G12086107	--
923,650	G12086122	--
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 ºC 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
902,750	Vertical	30 – 1000	G12086109	--	Complies
902,750	Horizontal	30 – 1000	G12086108	--	Complies
912,250	Vertical	30 – 1000	G12086114	--	Complies
912,250	Horizontal	30 – 1000	G12086115	--	Complies
923,650	Vertical	30 – 1000	G12086117	--	Complies
923,650	Horizontal	30 – 1000	G12086116	--	Complies

Channel	*Polarization*	Frequency Range (GHz)	Graph(s) (peak measurements)	Remarks	Result
902,750	Vertical	1 – 10	G12086127	--	Complies
902,750	Horizontal	1 – 10	G12086128	--	Complies
912,250	Vertical	1 – 10	G12086126	--	Complies
912,250	Horizontal	1 – 10	G12086125	--	Complies
923,650	Vertical	1 – 10	G12086124	--	Complies
923,650	Horizontal	1 – 10	G12086123	--	Complies

Channel	*Polarization*	Frequency Range	Graph(s) (peak measurements)	Remarks	Result
902,750	Loop Antenna	9kHz – 30MHz	G12086129	--	Complies
912,250	Loop Antenna	9kHz – 30MHz	G12086130	--	Complies
923,650	Loop Antenna	9kHz – 30MHz	G12086131	--	Complies

Nr. Harmonics	*AV level (dBµV/m)*						*AV Limits (dBµV/m)*	*Remark*
	902,250MHz		*912,250 MHz*		*923,650 MHz*			
	Frequency	*(dBµV/m)*	*Frequency*	*(dBµV/m)*	*Frequency*	*(dBµV/m)*		
II Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	54,00	--
III Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	54,00	--
IV Harmonic	3618,5819	47,3	3648,9211	48,0	3694,5801	48,1	54,00	--
V Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	4618,3653	41,9	54,00	--
VI Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	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*
	902,250MHz		*912,250 MHz*		*923,650 MHz*			
	Frequency	*(dBµV/m)*	*Frequency*	*(dBµV/m)*	*Frequency*	*(dBµV/m)*		
II Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	74,00	--
III Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	74,00	--
IV Harmonic	3618,5819	52,9	3648,9211	53,2	3694,5801	53,2	74,00	--
V Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	4618,3653	50,5	74,00	--
VI Harmonic	--	More than 15dB below limit	--	More than 15dB below limit	--	More than 15dB below limit	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 ºC 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	G12086137	--	Complies
Vertical	30 – 1000	G12086138	--	Complies
Horizontal	1000 – 6000	G12086139	--	Complies
Vertical	1000 – 6000	G12086140	--	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 ºC 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

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

Result

Line	*Graphs*	*Remarks*	*Result*
N	G12086135	--	Complies
L1	G12086136	--	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, CMC S200
Measurement uncertainty: See clause 7 of this test report

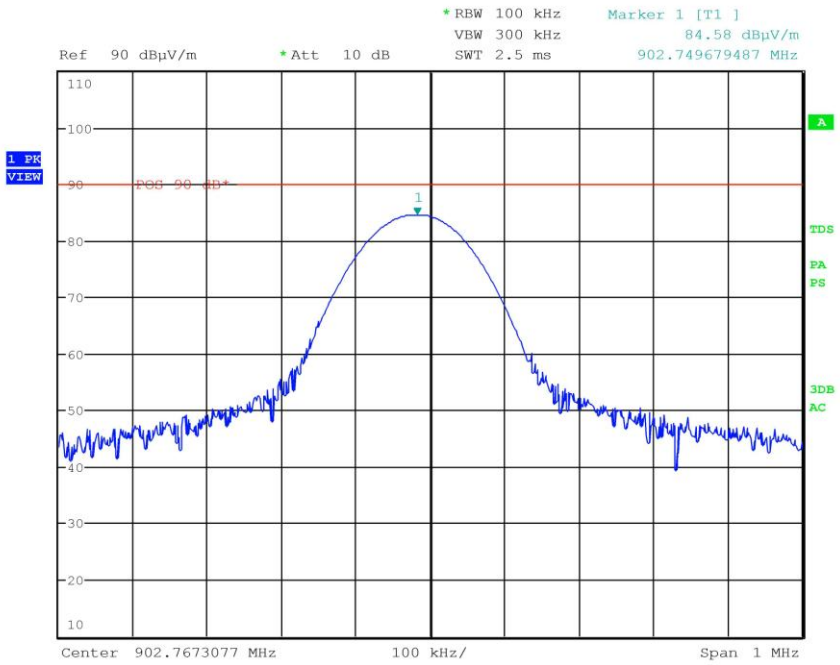
Result

The requirements are met

12. Graphs and Tables

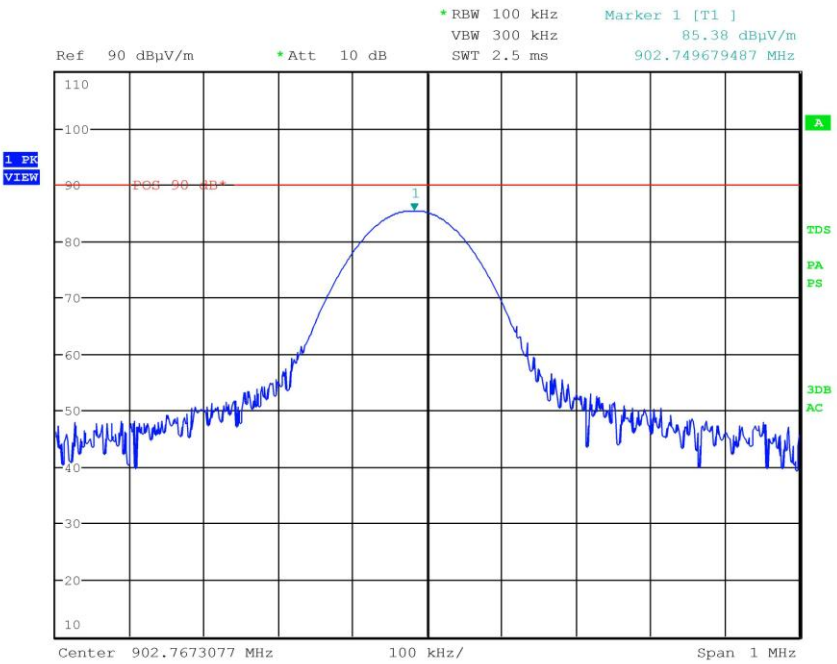
G12086103

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Freq min
Operator Bertezzolo 12086103
Test Spec
Vert



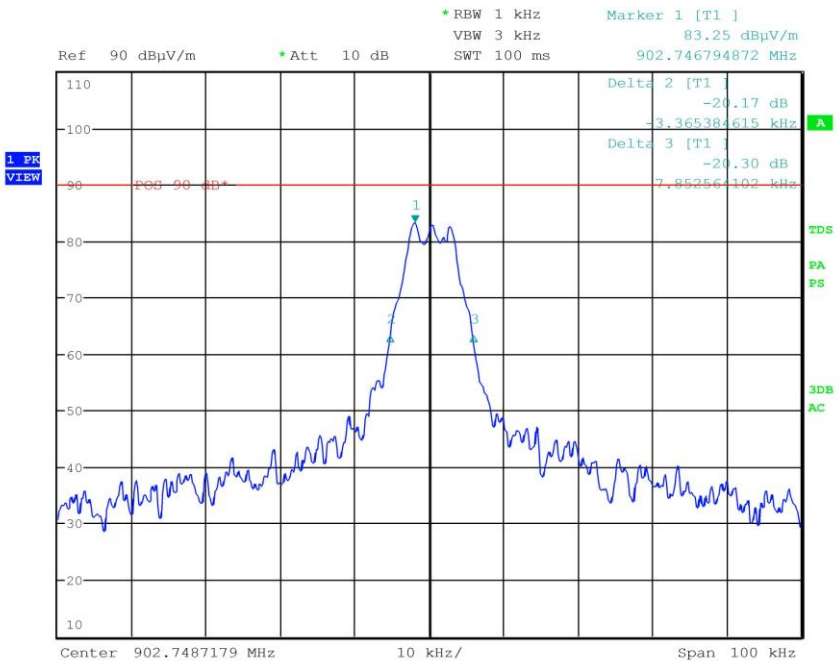
G12086104

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Freq min
Operator Bertezzolo 12086104
Test Spec
Horiz



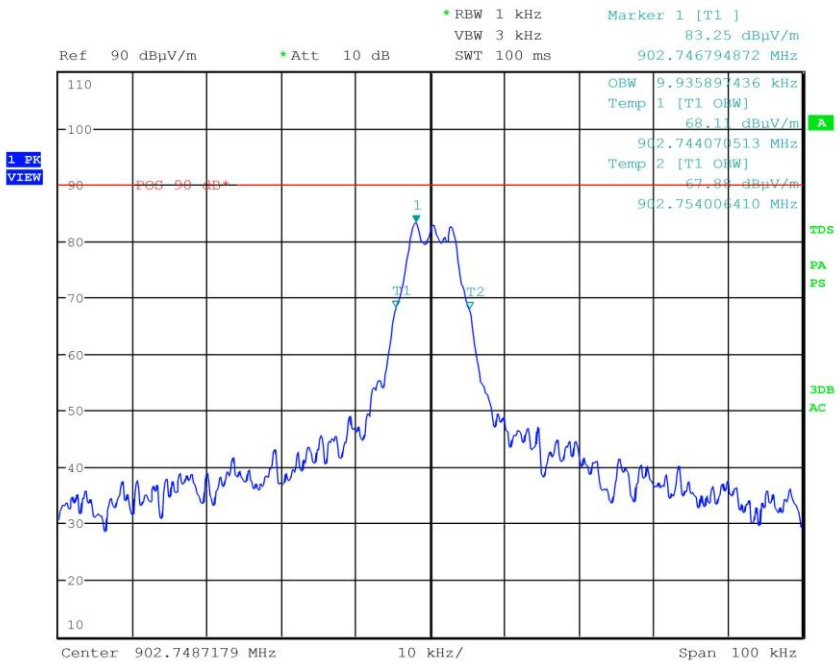
G12086105

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Freq min
Operator Bertezzolo 12086105
Test Spec



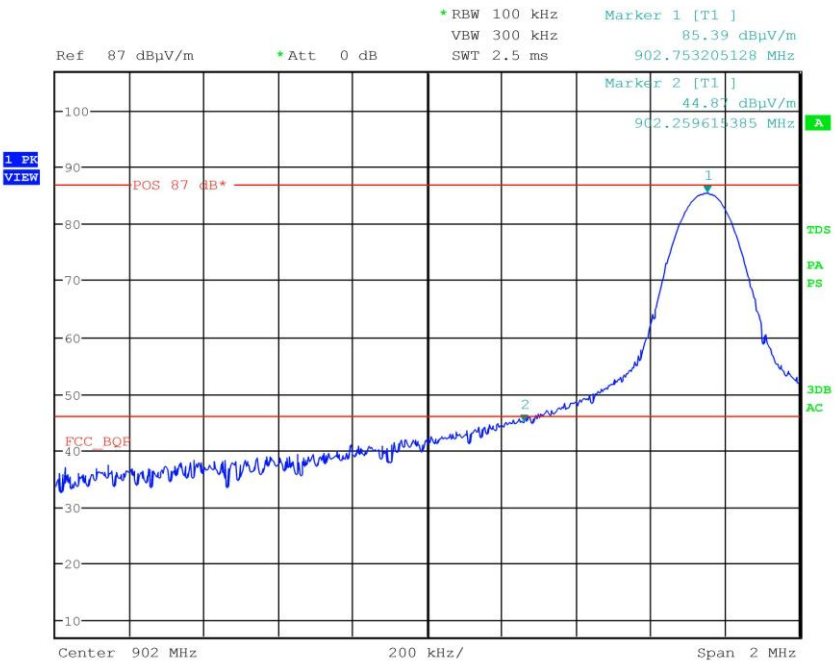
G12086106

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Freq min
Operator Bertezzolo 12086106
Test Spec



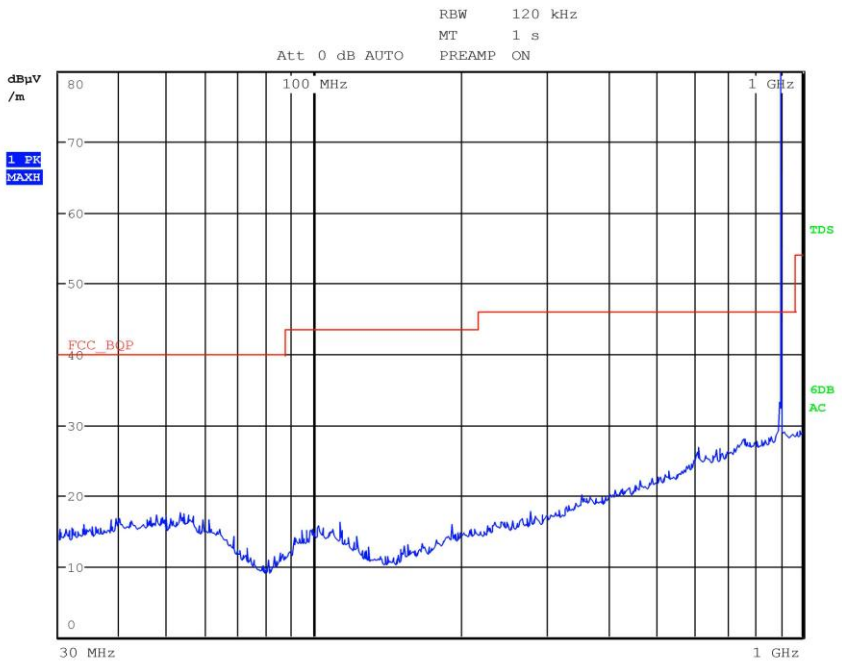
G12086107

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Freq min
Operator Bertezzolo 12086107
Test Spec



G12086108

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Freq min
Operator Bertezzolo 12086108
Test Spec
Horiz

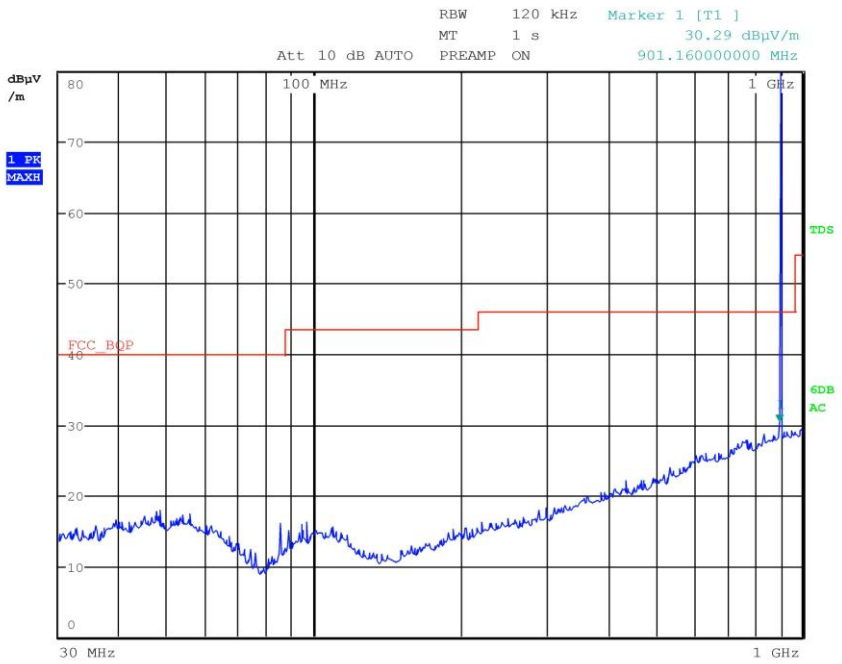


Final Measurement

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

G12086109

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Freq min
Operator Bertezzolo 12086109
Test Spec
Vert

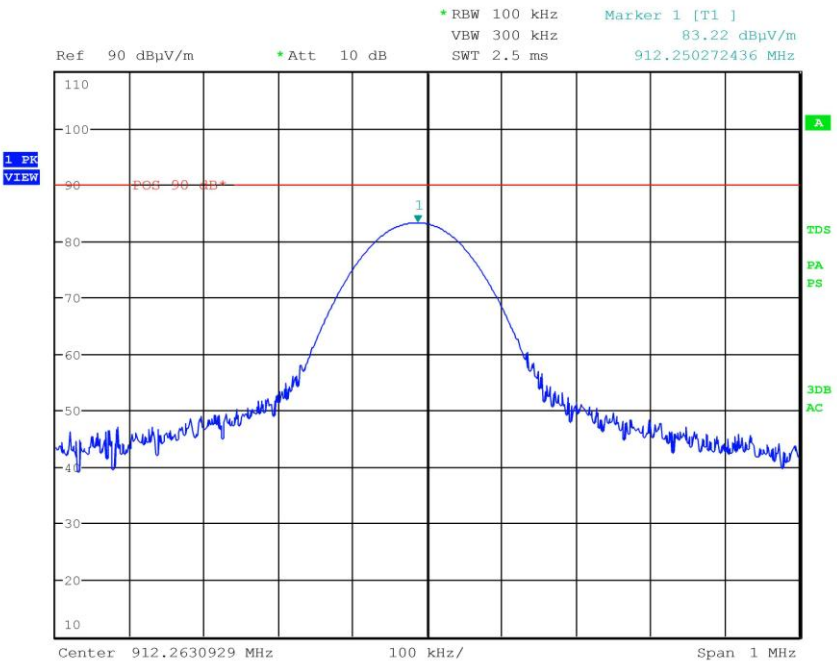


Final Measurement

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

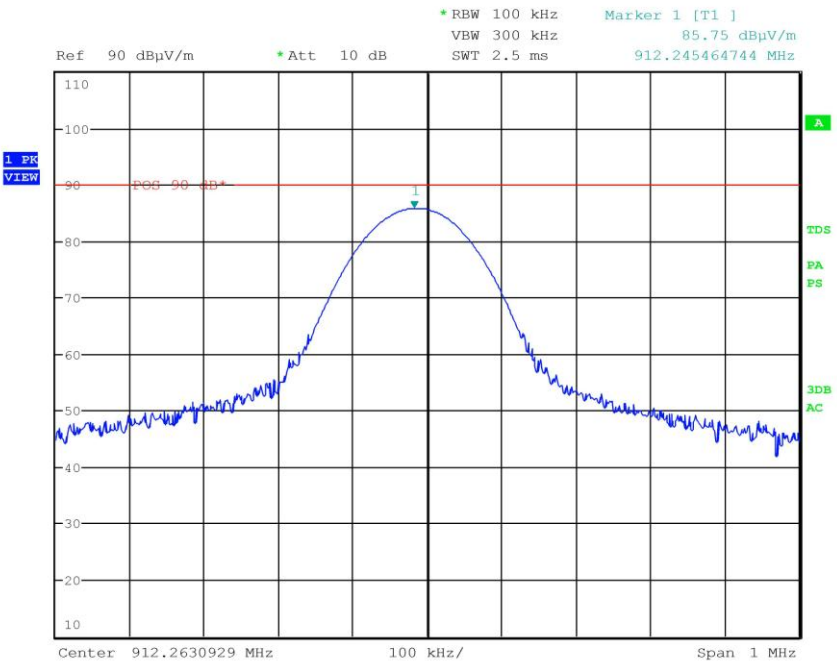
G12086110

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Fmed
Operator Bertezzolo 12086110
Test Spec
Horiz



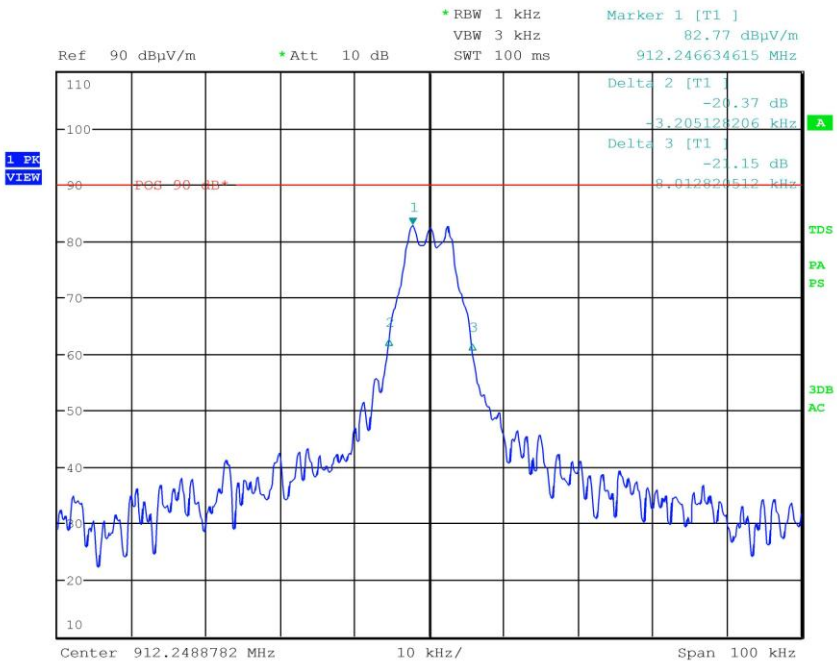
G12086111

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Fmed
Operator Bertezzolo 12086111
Test Spec
Vert



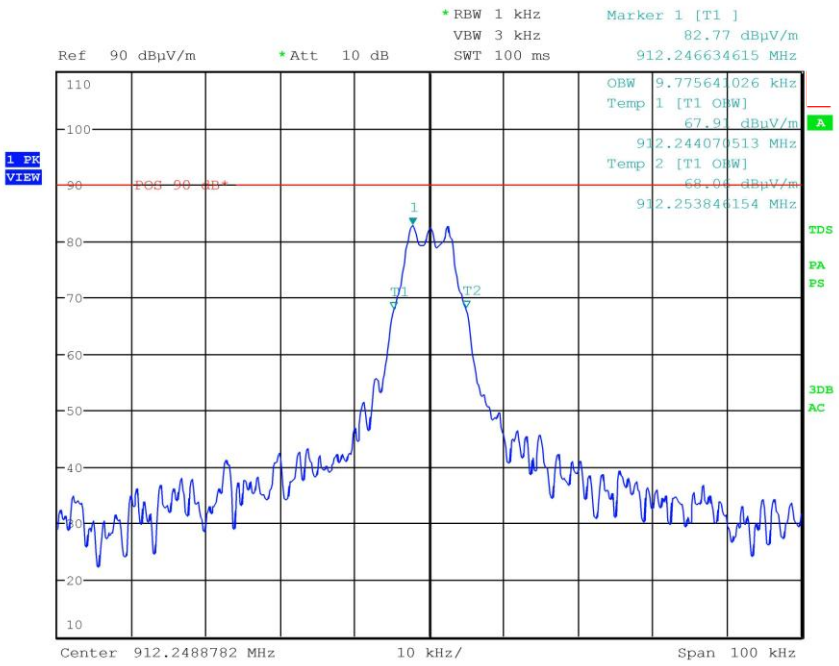
G12086112

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Fmed
Operator Bertezzolo 12086112
Test Spec



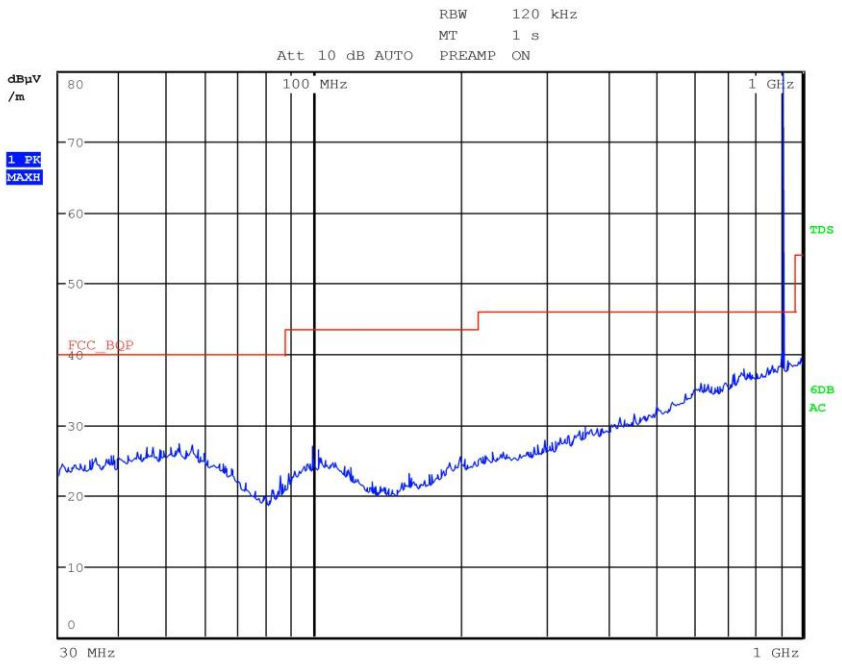
G12086113

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Fmed
Operator Bertezzolo 12086113
Test Spec



G12086114

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Fmed
Operator Bertezzolo 12086114
Test Spec
Vert

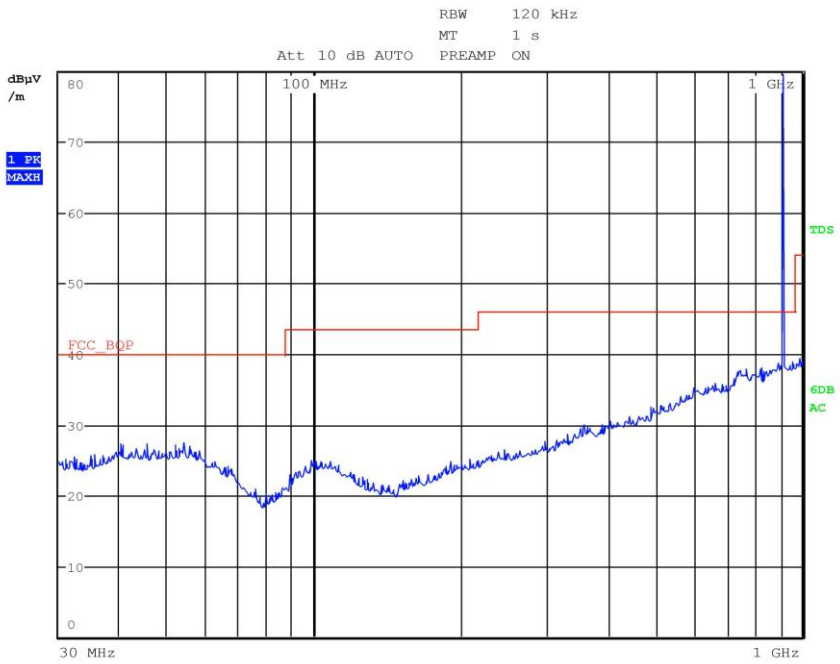


Final Measurement

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

G12086115

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Fmed
Operator Bertezzolo 12086115
Test Spec
Horiz

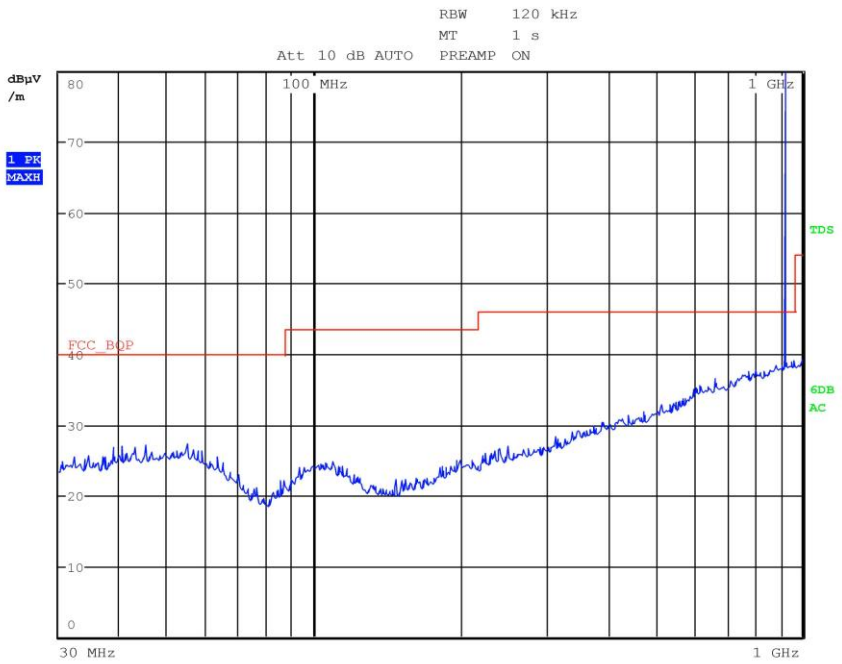


Final Measurement

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

G12086116

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Fmax
Operator Bertezzolo 12086116
Test Spec
Horiz

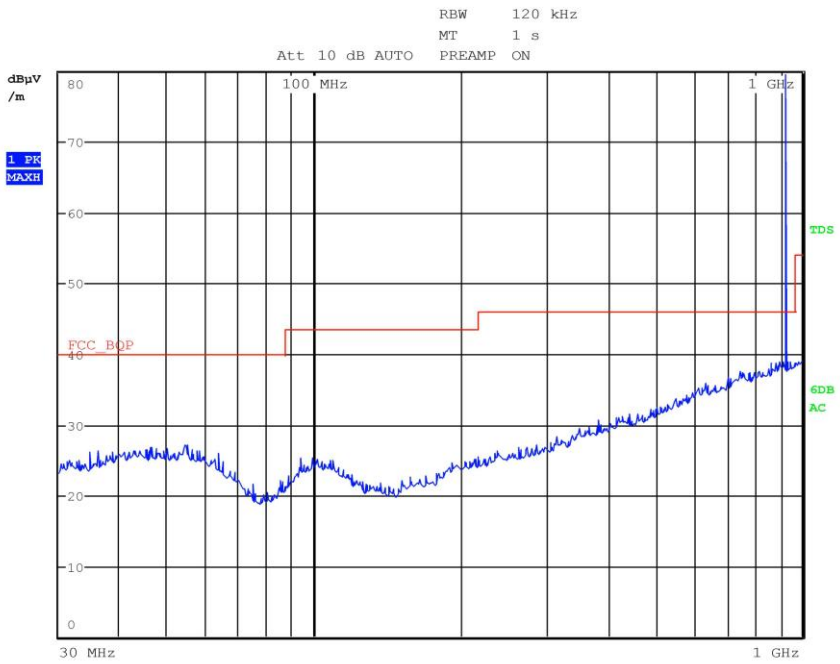


Final Measurement

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

G12086117

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Fmax
Operator Bertezzolo 12086117
Test Spec
Vert

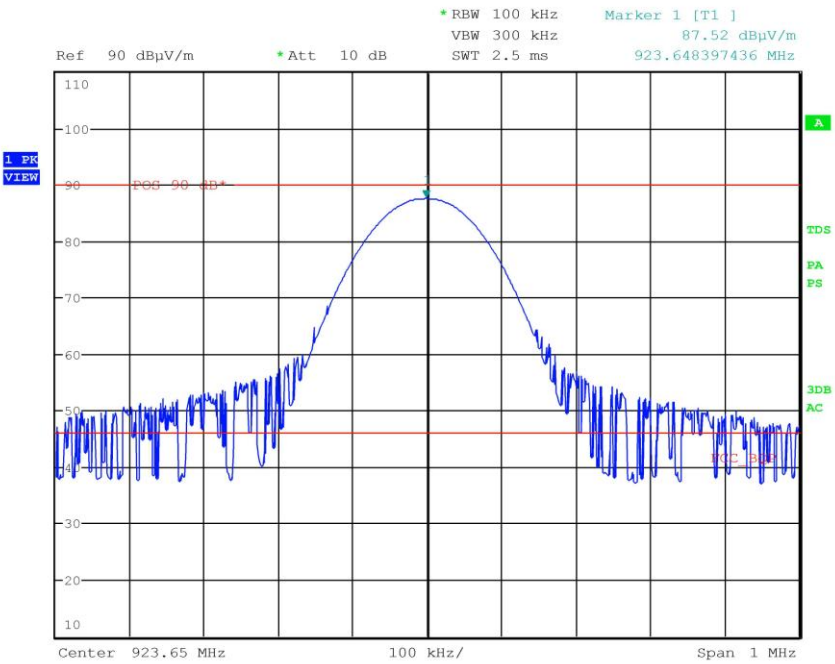


Final Measurement

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

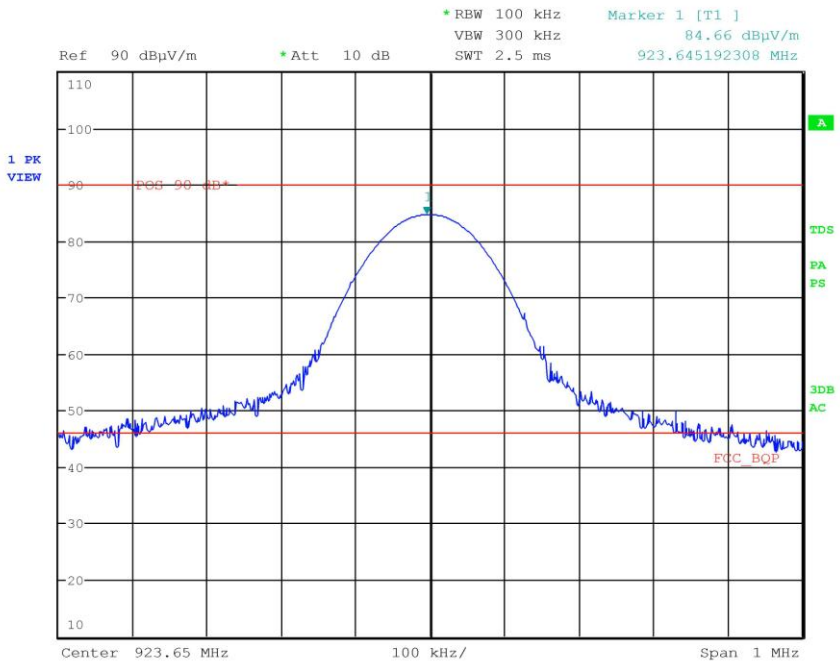
G12086118

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Fmax
Operator Bertezzolo 12086118
Test Spec
Vert



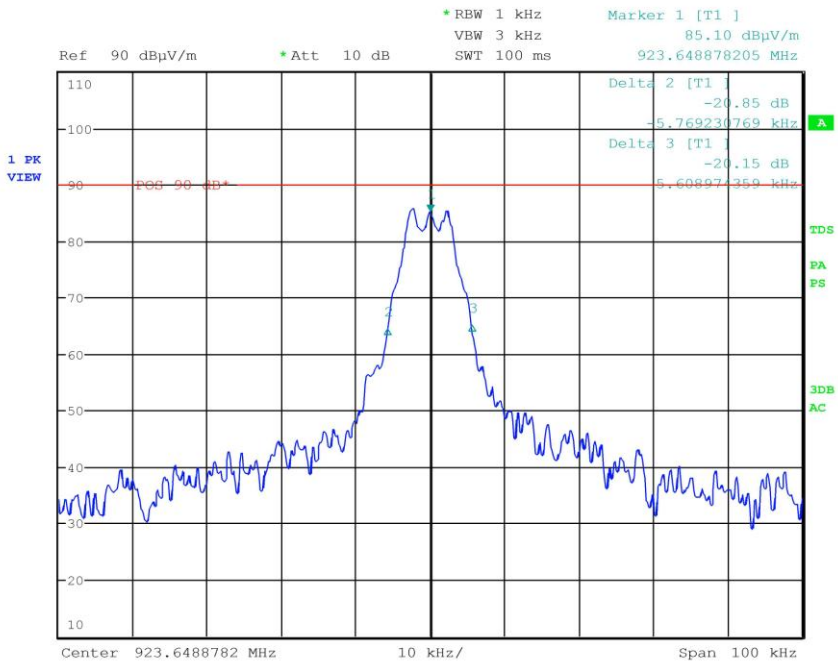
G12086119

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Fmax
Operator Bertezzolo 12086119
Test Spec
Horiz



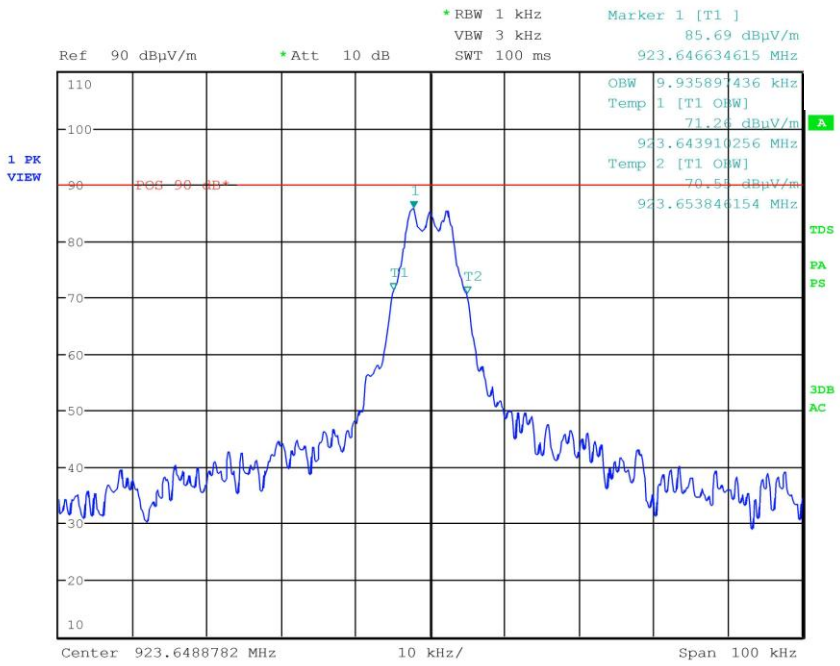
G12086120

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Fmax
Operator Bertezzolo 12086120
Test Spec



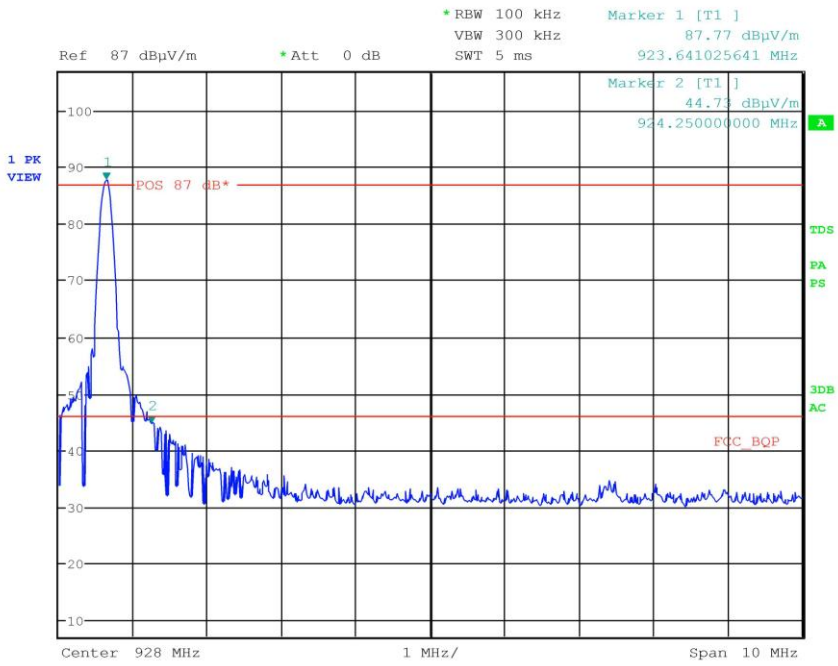
G12086121

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Fmax
Operator Bertezzolo 12086121
Test Spec



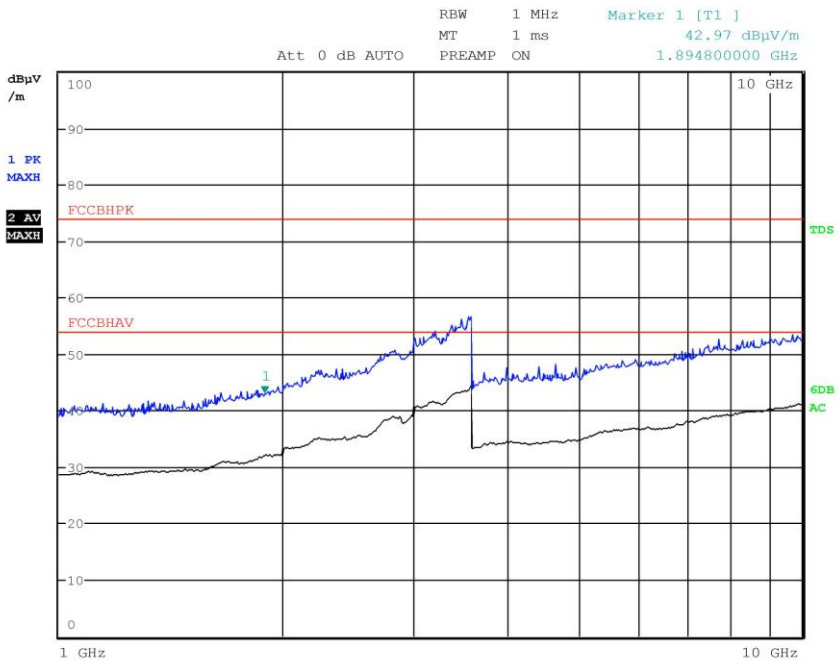
G12086122

Meas Type
Equipment under Test
Manufacturer
OP Condition TX Fmax
Operator Bertezzolo 12086122
Test Spec



G12086123

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX Freq max
Operator Bertezzolo 12086123
Test Spec
Horiz

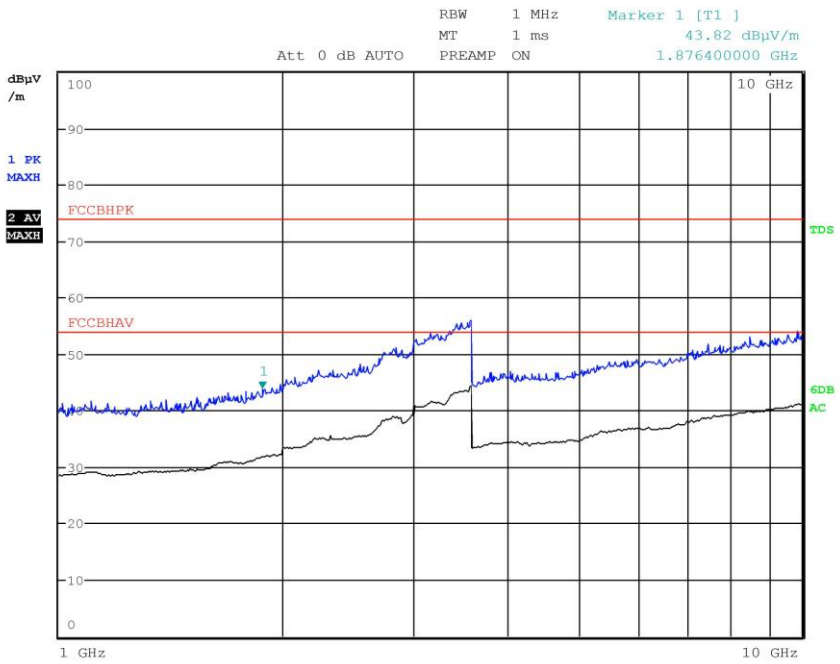


Final Measurement

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

G12086124

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX Freq max
Operator Bertezzolo 12086124
Test Spec
Vert

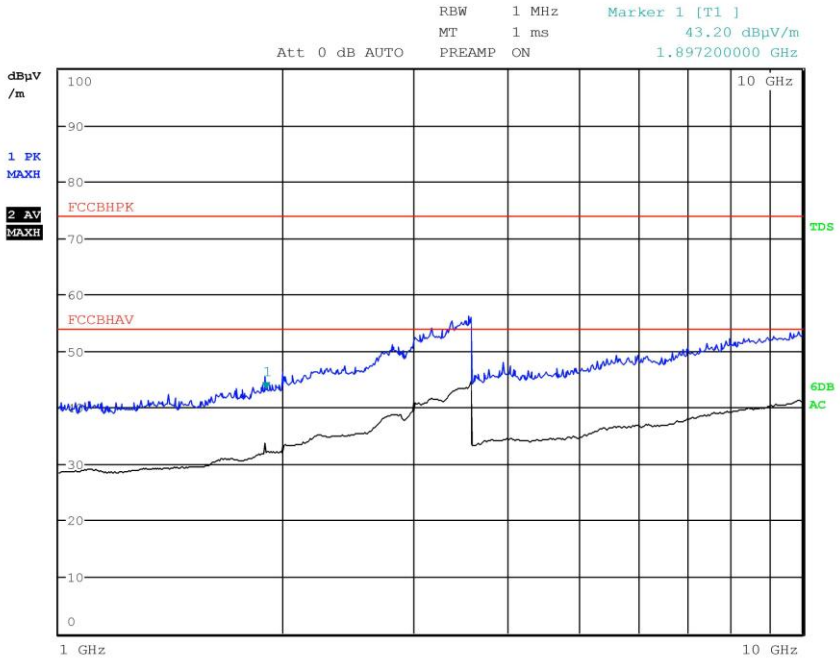


Final Measurement

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

G12086125

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX Freq med
Operator Bertezzolo 12086125
Test Spec
Horiz

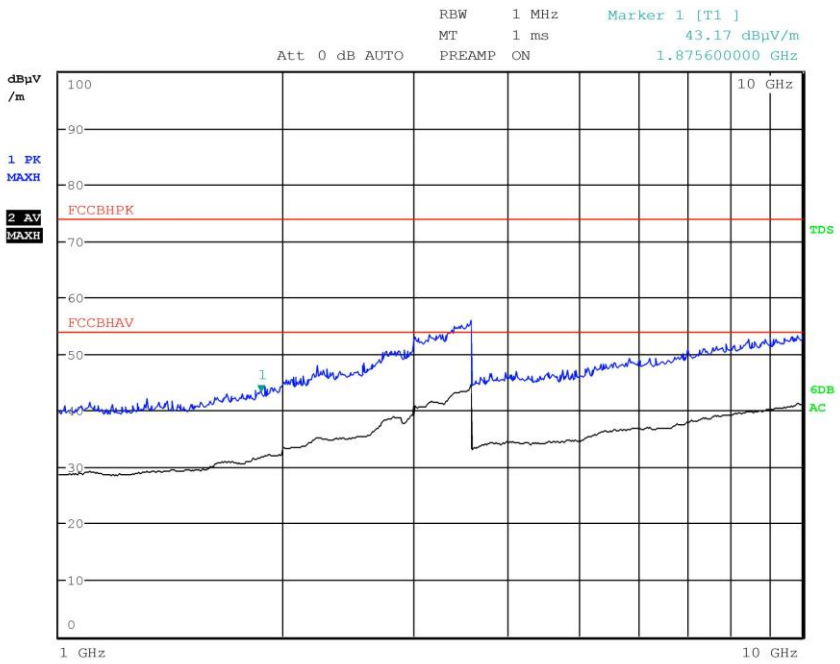


Final Measurement

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

G12086126

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX Freq med
Operator Bertezzolo 12086126
Test Spec
Vert

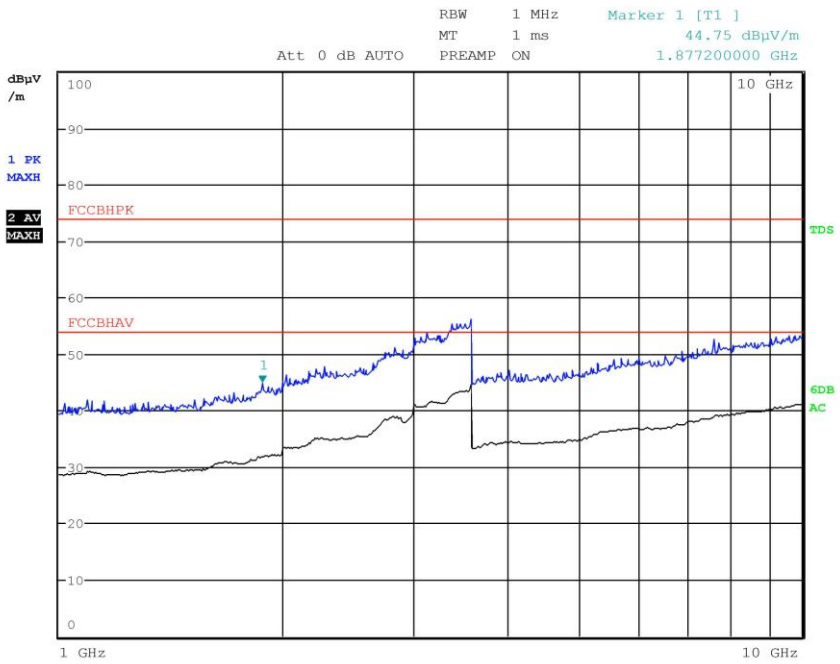


Final Measurement

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

G12086127

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX Freq min
Operator Bertezzolo 12086127
Test Spec
Vert

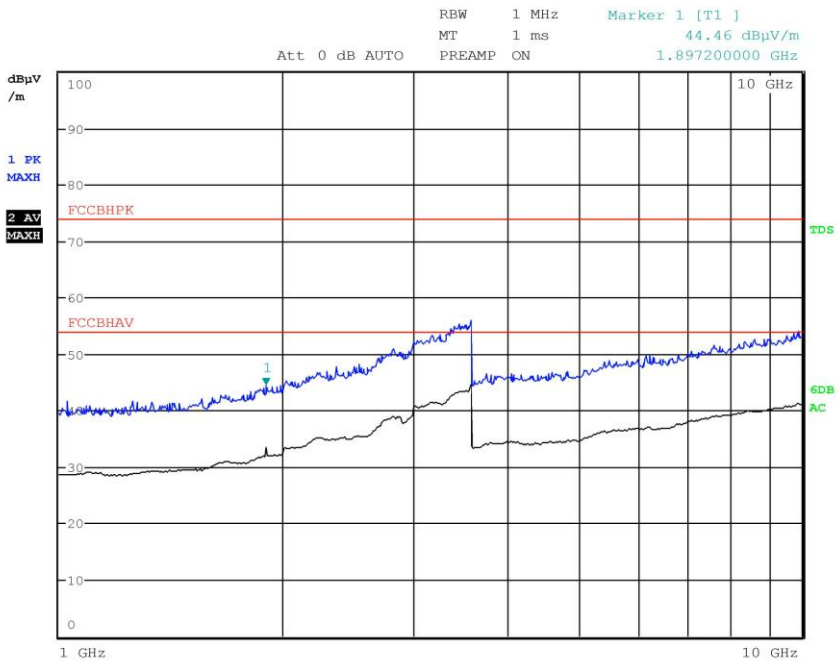


Final Measurement

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

G12086128

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX Freq min
Operator Bertezzolo 12086128
Test Spec
Horiz

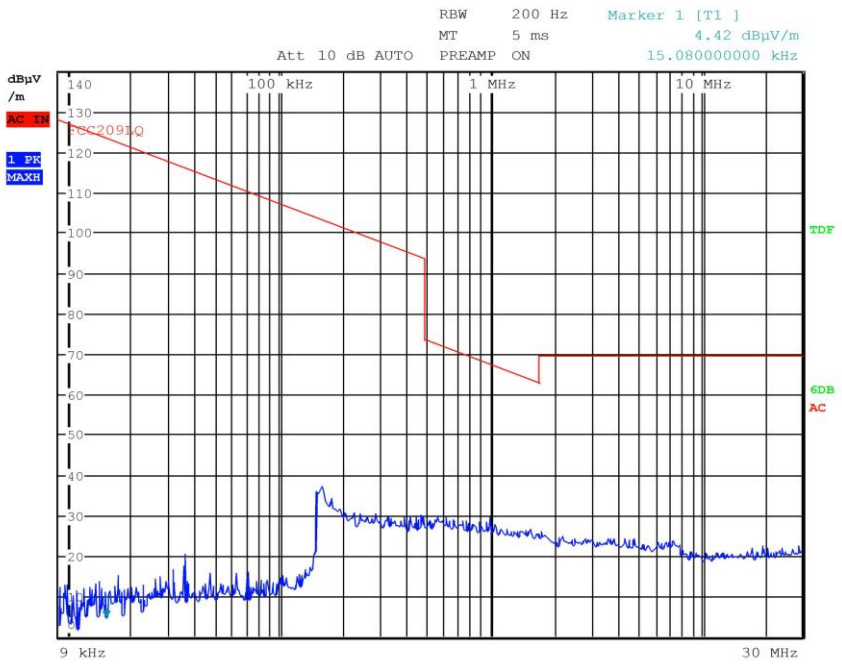


Final Measurement

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

G12086129

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX Freq min
Operator Bertezzolo 12086129
Test Spec
Loop

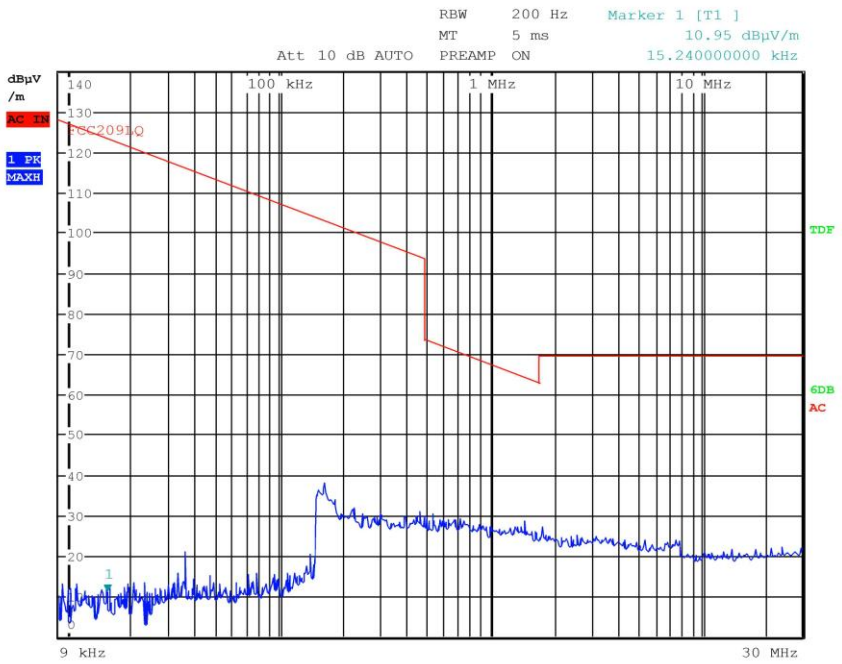


Final Measurement

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

G12086130

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX Freq med
Operator Bertezzolo 12086130
Test Spec
Loop

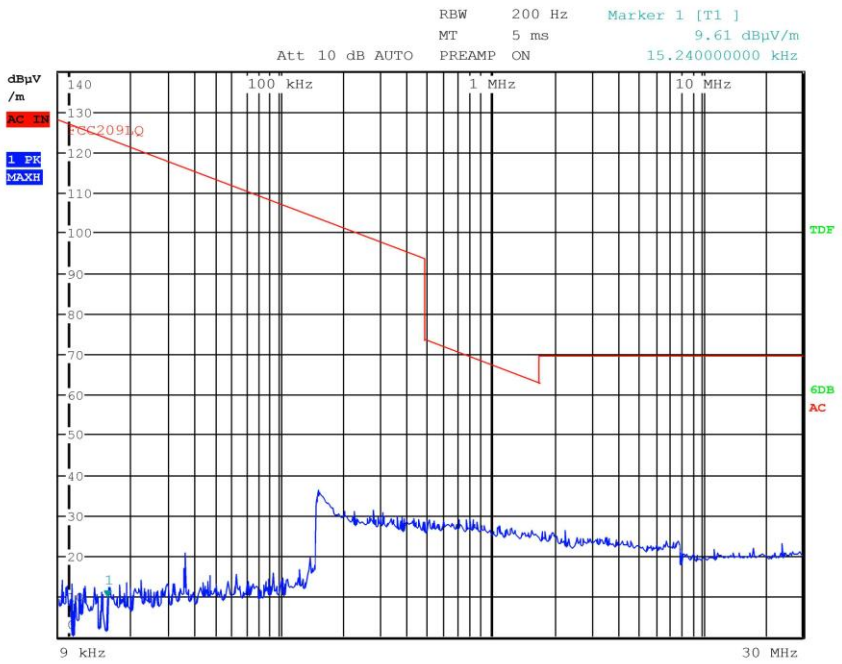


Final Measurement

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

G12086131

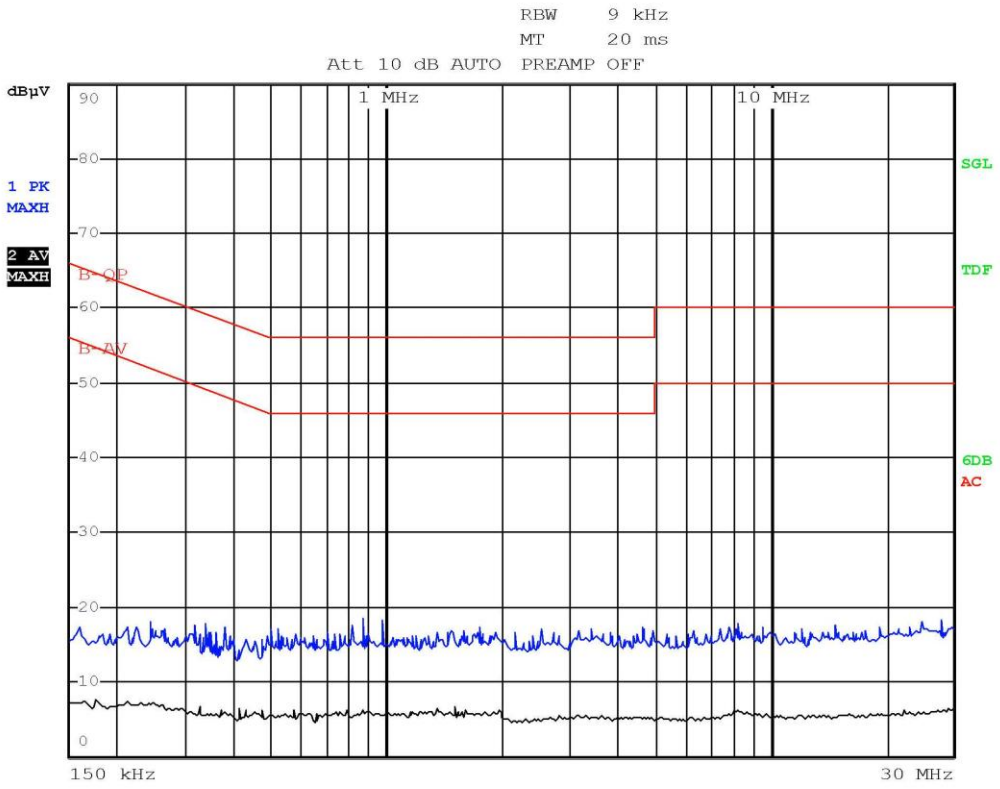
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX Freq max
Operator Bertezzolo 12086131
Test Spec
Loop



Final Measurement

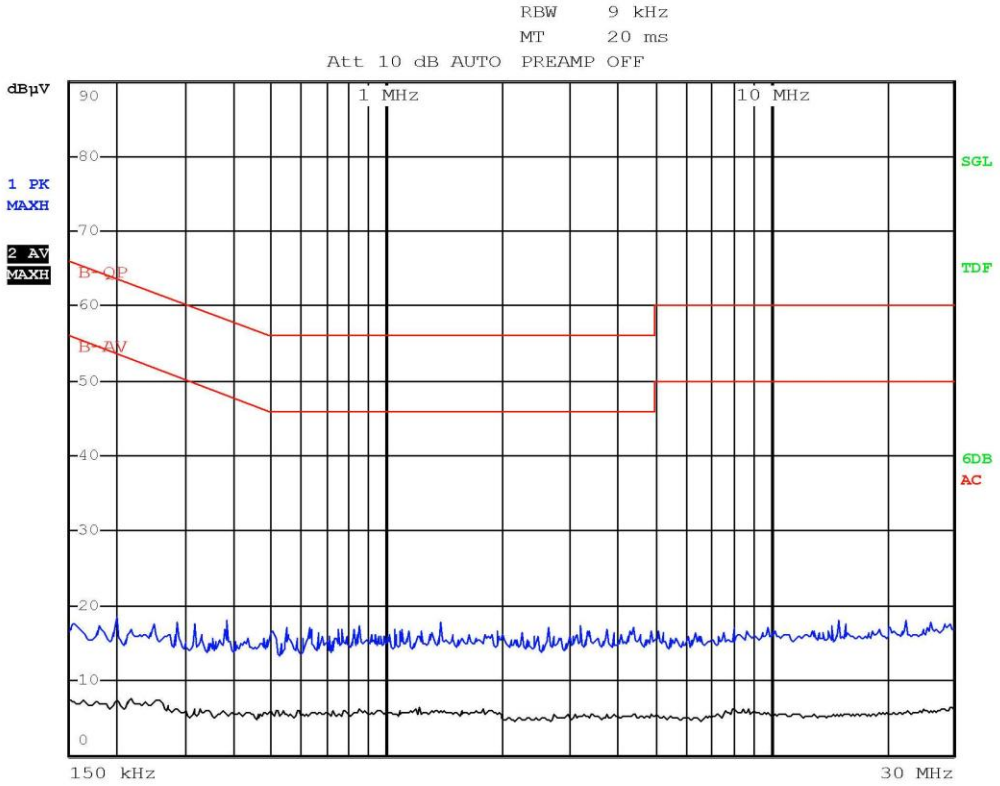
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

G12086135



Bertezzolo 12086135 Line N in TX

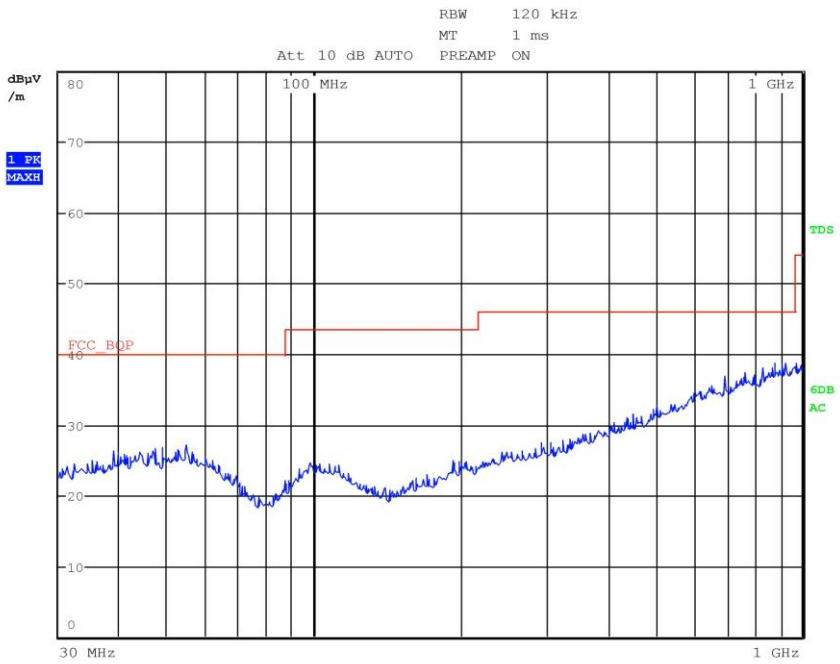
G12086136



Bertezzolo 12086136 Line L in TX

G12086137

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition In RX Freq med
Operator Bertezzolo 12086137
Test Spec
Vert

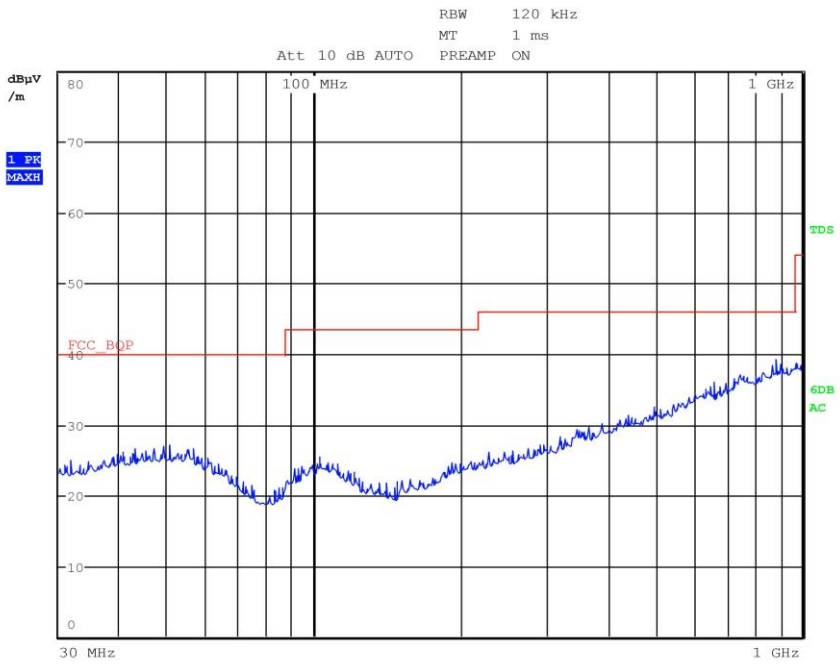


Final Measurement

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

G12086138

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition In RX Freq med
Operator Bertezzolo 12086138
Test Spec
Horiz

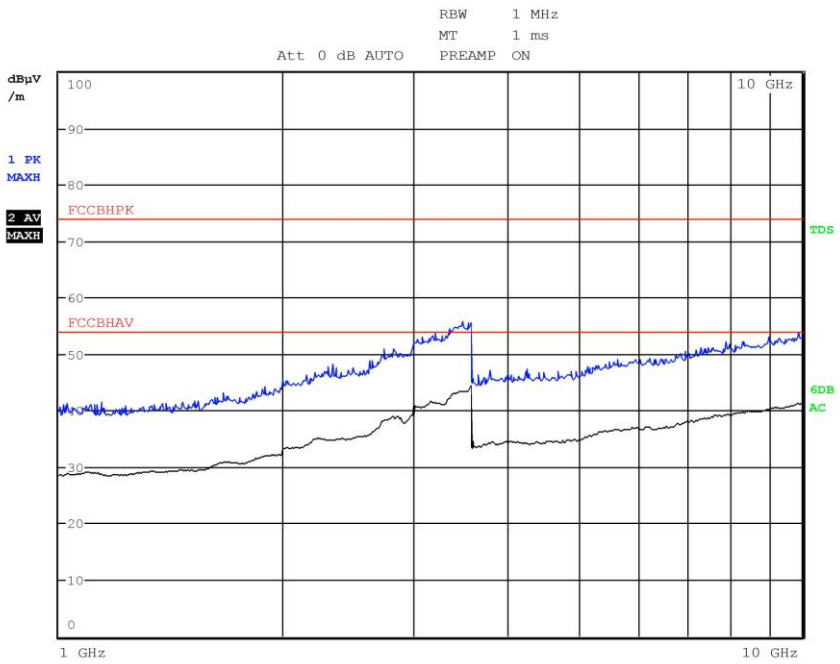


Final Measurement

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

G12086139

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition In RX Freq med
Operator Bertezzolo 12086139
Test Spec
Vert

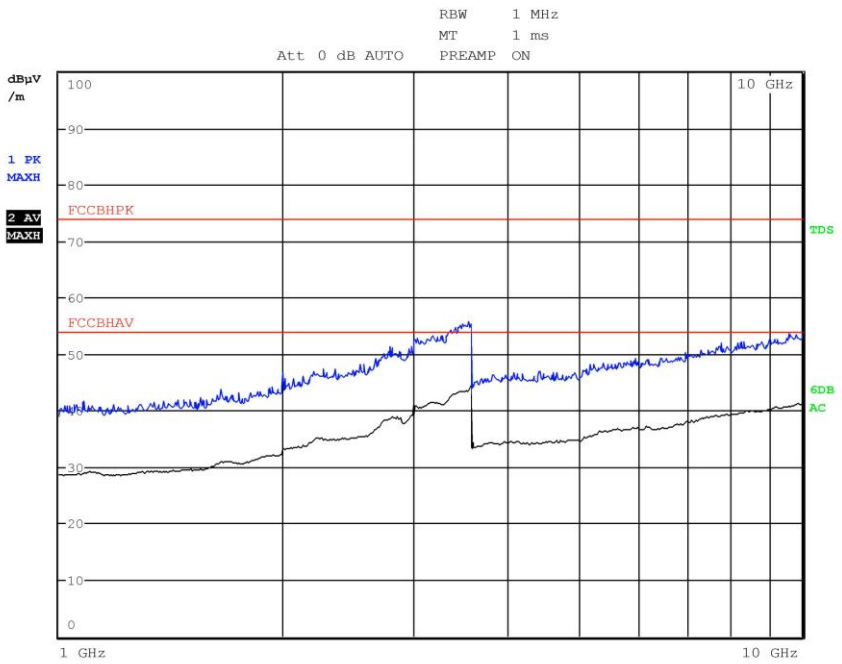


Final Measurement

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

G12086140

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition In RX Freq med
Operator Bertezzolo 12086140
Test Spec
Horiz



Final Measurement

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