



## TEST REPORT nr. R10068501\_rev20

### Federal Communication Commission (FCC)

**This test report cancel and replace document nr. R10068501 date 03.08.10**

#### Test item

Description..... : BlueTooth Communication System

Trademark..... : AGV

Model/Type..... : AGVoice

#### Test Specification

Standard..... : FCC Rules & Regulations, Title 47 (2005) - Part 15 paragraph(s) : 247(a), 247(b), 247(c), 209 and 207

Client's name..... : AGV S.p.A.

Address ..... : Strada Savonesa, 12 - 15057 Rivalta Scrivia (AL) - Italy

Manufacturer's name : Same ad client

Address ..... :

#### Report

Tested by..... : G. Gandini - Technician

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

Date of issue..... : 30.08.10

Contents..... : 51 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

Emission: FCC Rules & Regulations, Title 47

Test specifications	Environmental Phenomena	Tests sequence	Result
Part 15.203 and 15.204	Antenna Requirement	1	Complies
Part 15.247(a)	Bandwidth	2	Complies
Part 15.247(a)	Channel Separation	3	Complies
Part 15.247(a)	Time of Occupancy	4	Complies
Part 15.247(a)	Number of Hopping Frequency	5	Complies
Part 15.247(b)	Peak Output Power	6	Complies
Part 15.247(c)	Band Edge	7	Complies
Part 15.247(c) Part 15.209	Radiated Spurious	8	Complies
Part 15.207	Conducted Emission	9	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 certification.*



## 2. Description of Equipment under test (EUT)

Power supply .....: 3,7 Vdc from battery

Type of equipment.....: ☒ Transmitter Unit ☒ Receiver Unit  
☐ Fixed station ☒ Portable station ☐ Mobile station

Receiver class .....: --

Alignment range.....: 2400 – 2483,5 MHz

Switching frequency .....: 2400 – 2483,5 MHz

Number of channels .....: --

Channel separation .....: --

Modulation .....: --

Extreme conditions .....: --

Maximum transmitter output power .....: --

Information on antenna.....: ☒ Integrated  
☐ Extern  
☐ Other:

Duty cycle.....: --

Mode of operation.....: ☐ Simplex mode  
☐ Duplex mode  
☒ Other : Full Duplex transmission

### 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 .....: 22.01.10

Testing start date .....: 22.01.10

Testing end date.....: 02.08.10

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 P100044

## 4. Operative conditions

--



## 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 '10	January '11
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 '10	January '11
CMC S136	Schwarzbeck	VULB 9163	Broadband Antenna	9136-205	May '10	May '13
CMC S164	Rohde & Schwarz	ESU26	EMC interference receiver	100052	January '10	January '11



## 7. Measurement uncertainty

Test	Expanded Uncertainty	note
<b>Conducted Emission</b>		
(50Ω/50μH AMN) - (9 kHz – 150 kHz)	±3.8 dB	1
(50Ω/50μH AMN) - (150 kHz – 30 MHz)	±3.4 dB	1
(Voltage probe) - (150 kHz – 30 MHz)	±3.0 dB	1
(50Ω/5μH AMN) - (150 kHz – 108 MHz)	±3.2 dB	1
<b>Discontinuous Conducted Emission</b>		
Conducted Emission (50Ω/50μH AMN) - (9 kHz – 150 kHz)	±3.8 dB	1
Conducted Emission (50Ω/50μH AMN) - (150 kHz – 30 MHz)	±3.4 dB	1
<b>Disturbance Power (30 MHz – 300 MHz)</b>		
	±3.2 dB	1
<b>Radiated Emission</b>		
(0,150 MHz – 30 MHz)	±4.5 dB	1
(30 MHz – 1000 MHz)	±4.8 dB	1
(1 GHz – 6 GHz)	±4.4 dB	1
<b>Electromagnetic field EMF</b>		
	±18.8 dB	1
<b>Harmonic current emissions test</b>		
	±2.4 %	1
<b>Voltage fluctuation and flicker test</b>		
	±6.0 %	1
<b>Insertion loss test</b>		
	±2.6 %	1
<b>Radiated electromagnetic disturbance test (loop antenna)</b>		
	±2.5 %	1
<b>Radiated electromagnetic field immunity test</b>		
	0.9 V/m at 3V/m	1
<b>Pulse modulated radiated electromagnetic field immunity test</b>		
	0.9 V/m at 3V/m	1
<b>Injected currents immunity test</b>		
	0.6 V at 3V	1
<b>Bulk current</b>		
	9 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>		
	±5 %	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 (2009)	--
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. 1.0 (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
- 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>
Integrated antenna	0 dBi	--	Complies

### Remarks

//////////

### Reference documents

See clause 8 of this test report

### Result

The requirements are met



## 11.2 Bandwidth

### Test configuration and test method

Test site

Laboratory

Auxiliary equipment

See clause 4 of this test report

### Environmental conditions

Temperature 23 °C Atmospheric pressure 99 kPa Relative humidity 46 %

### Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247(a)
- 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	Graph(s)	Bandwidth	Remark
2402 MHz	G10068520	816 kHz	--
2441 MHz	G10068521	832 kHz	--
2480 MHz	G10068522	816 kHz	--
Measurement uncertainty: $\pm 1$ 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 Channel Separation

#### Test configuration and test method

Test site

Laboratory

Auxiliary equipment

See clause 4 of this test report

#### Environmental conditions

Temperature 23 °C Atmospheric pressure 99 kPa Relative humidity 46 %

#### Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247(a)
- 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

Limit: Minimum 25kHz or the 20dB Bandwidth of the hopping system

#### Result

Port	Graph(s)	Channel Separation	Remark
Enclosure	G10068526	1,00 MHz	--
Measurement uncertainty: $\pm 1$ 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 Time of Occupancy

### 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 45 %

### Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247(a)
- 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

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

### Result

Frequency (MHz)	Packets	Graph(s)	Dwell time	Remark
2441	DH1	G10068523	0,44 ms	--
2441	DH3	G10068524	1,76 ms	--
2441	DH5	G10068525	2,29 ms	--

Packets	Calculation	Time of Occupancy	Remarks
DH1	$(1600/2 \times \text{ON-timeDH1 ms}) \times 31,6\text{s} / 79$	140,80 ms	--
DH3	$(1600/4 \times \text{ON-timeDH3 ms}) \times 31,6\text{s} / 79$	281,60 ms	--
DH5	$(1600/6 \times \text{ON-timeDH5 ms}) \times 31,6\text{s} / 79$	244,27 ms	--

Measurement uncertainty:  $\pm 10\mu\text{s}$  x nr. of channels

### 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



## 11.5 Number of Hopping Channels

### Test configuration and test method

Test site

Laboratory

Auxiliary equipment

See clause 4 of this test report

### Environmental conditions

Temperature 22 °C Atmospheric pressure 99 kPa Relative humidity 46 %

### Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247(a)
- 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

Port	Graph(s)	Number of Hopping Frequency	Remark
Enclosure	G10068527 G10068528	79	--

### 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 Peak Output Power

### Test configuration and test method

Test site

Laboratory

Auxiliary equipment

See clause 4 of this test report

### Environmental conditions

Temperature 23 °C Atmospheric pressure 99 kPa Relative humidity 46 %

### Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247(b)
- 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
2400 – 2483,5 MHz	1,0 W / 30dBm

### Result

Frequency (MHz)	Polarization	Graphs	E (dBμV/m)	Peak Output Power	Remark
2402	Vertical	G10068531	77,65	0,0175 mW	--
2402	Horizontal	G10068530	77,45	0,0167 mW	--
2441	Horizontal	G10068533	79,69	0,0279 mW	--
2441	Vertical	G10068532	75,68	0,0109 mW	--
2480	Vertical	G10068535	72,32	0,0052 mW	--
2480	Horizontal	G10068534	75,27	0,0101 mW	--
Measurement uncertainty: ±3dBm					

### 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 with reference to an isotropic radiator (1)

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

P = the power in watts



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

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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 S164

### **Result**

The requirements are met







## 11.7 Band Edge

### Test configuration and test method

Test site

Auxiliary equipment

Laboratory

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 15.247(c)
- 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

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in section 15.209(a) is not required. In addition, radiated emission which fall in the restricted bands, as defined in section 15.205(a), must also comply with the radiated emission limits specified in section 15.209(a) (see section 15.205(c)).

### Result

Radiated measurements		
Graph(s)	Attenuation Band Edge	Remark
G10068536	< 54dBμV/m	Hopping enable Worst case condition
G10068560 (Average)	< 54dBμV/m	Hopping disable Worst case condition
G10068561 (Peak)	< 54dBμV/m	Hopping disable Worst case condition
G10068562 (Average)	< 54dBμV/m	Hopping enable Worst case condition
G10068563 (Peak)	< 54dBμV/m	Hopping enable Worst case condition
Measurement Uncertainty: ±4dB		



## Remarks

//////////

## Reference documents

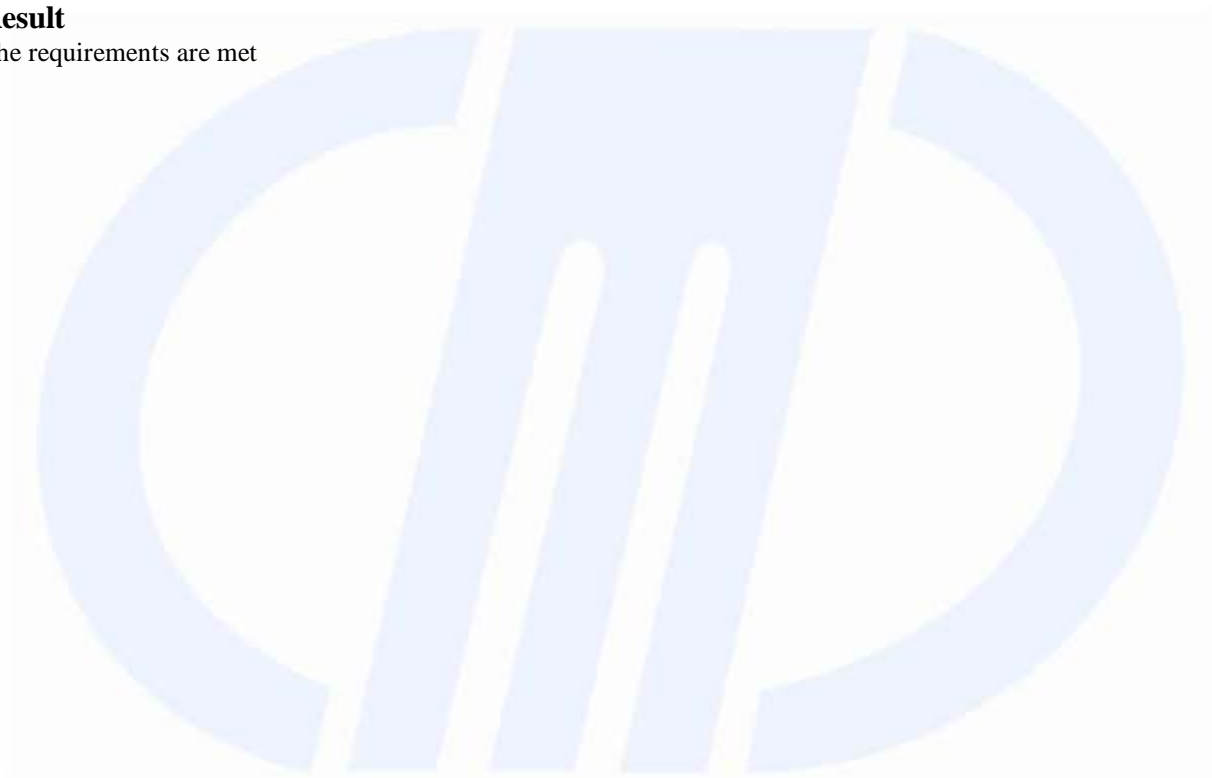
See clause 8 of this test report

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

CMC S164

## Result

The requirements are met





## 11.8 Radiated Spurious

### 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 46 %

### Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247(c) and Part 15.209
- 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

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

Frequency (MHz)	Polarization	Frequency Range (MHz)	Graph(s)	Remarks	Result
2480	Vertical	30 – 1000	G10068507	--	Complies
2480	Horizontal	30 – 1000	G10068508	--	Complies
2441	Horizontal	30 – 1000	G10068505	--	Complies
2441	Vertical	30 – 1000	G10068506	--	Complies
2402	Vertical	30 – 1000	G10068503	--	Complies
2402	Horizontal	30 – 1000	G10068504	--	Complies

Antenna	Frequency Range (MHz)	Graph(s)	Remarks	Result
Loop Antenna	9kHz – 30MHz	G10068509	--	Complies



Nr.  Harmonics	AV level (dBμV/m)						AV Limits  (dBμV/m)	Remark
	2402 MHz		2441MHz		2480 MHz			
	Frequency	(dBμV/m)	Frequency	(dBμV/m)	Frequency	(dBμV/m)		
II Harmonic	4803 MHz	43,65	4881 MHz	46,36	4959 MHz	49,05	54,00	--
III Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	54,00	--
IV Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	54,00	--
V Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	54,00	--
VI Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	54,00	--
VII Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	54,00	--
VIII Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	54,00	--
IX Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	54,00	--
X Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	54,00	--
Measurement Uncertainty: ±4dB								

Nr.	PK level (dBμV/m)						PK Limits	Remark
Harmonics	2402 MHz		2441MHz		2480 MHz		(dBμV/m)	
	Frequency	(dBμV/m)	Frequency	(dBμV/m)	Frequency	(dBμV/m)		
II Harmonic	4803 MHz	45,32	4881 MHz	48,64	4959 MHz	51,41	74,00	--
III Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	74,00	--
IV Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	74,00	--
V Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	74,00	--
VI Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	74,00	--
VII Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	74,00	--
VIII Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	74,00	--
IX Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB below limit	74,00	--
X Harmonic	--	More than 20dB below limit	--	More than 20dB below limit	--	More than 20dB 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

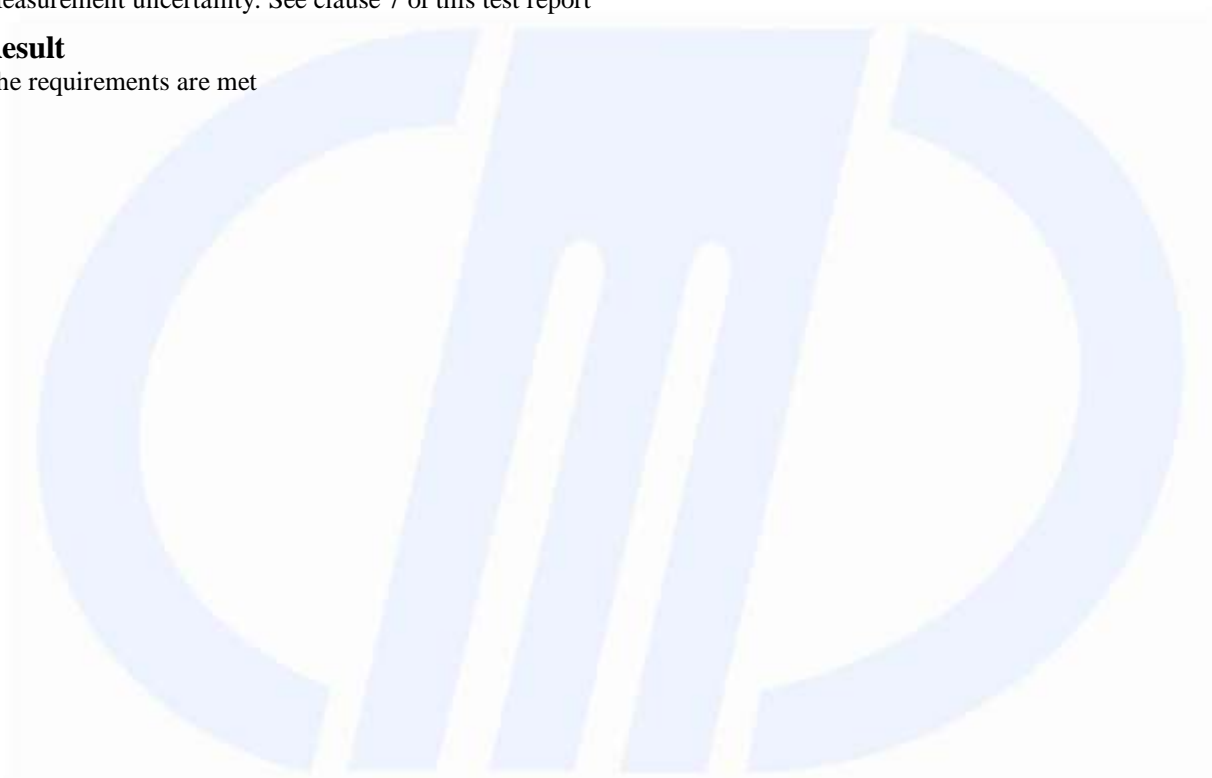
### Test equipment used (Id number – see clause 6 of this test report)

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

Measurement uncertainty: See clause 7 of this test report

### Result

The requirements are met





## 11.9 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 23 °C Atmospheric pressure 99 kPa Relative humidity 49 %

### 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>
L1	G10068501	--	Complies
N	G10068502	--	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

EUT in recharge with battery charger (120Vac single-phase)

### 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

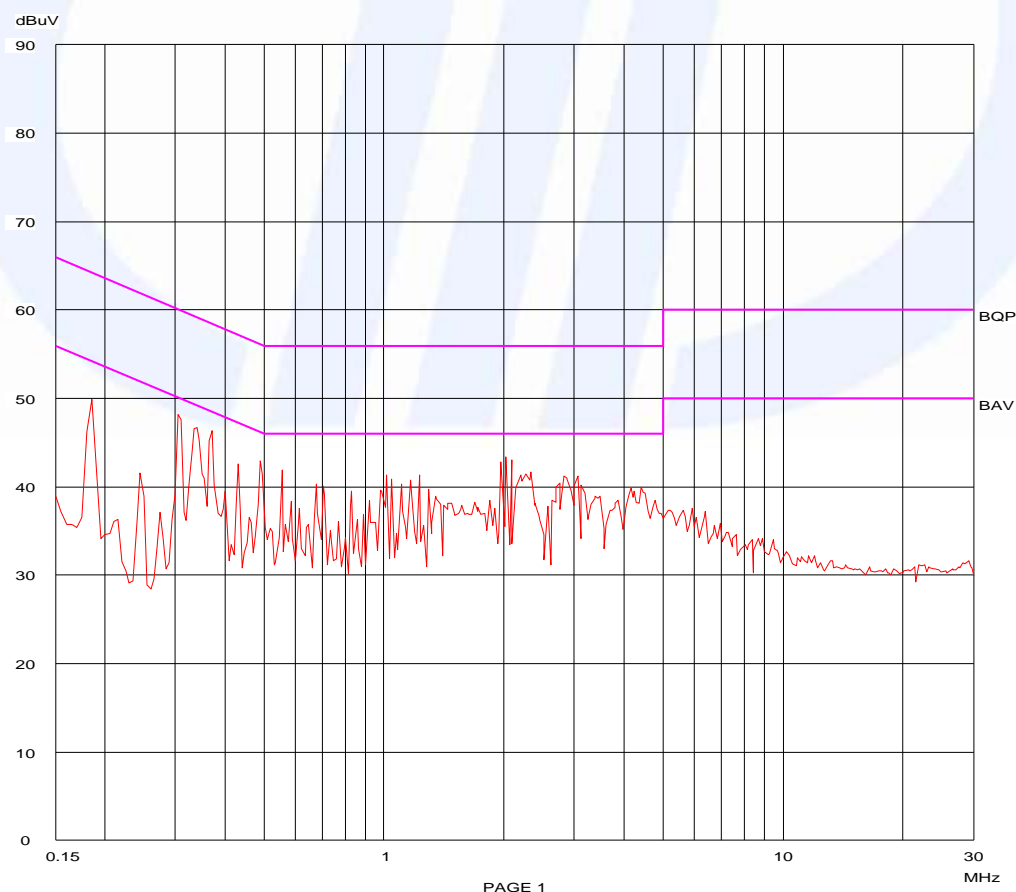
The requirements are met



## 12. Graphs and Tables

G10068501

CMC Centro misure compatibilita srl  
Emission 0.15-30MHz  
Op Cond: In ricarica  
Operator: Gandini 10068501  
Test Spec: Line L

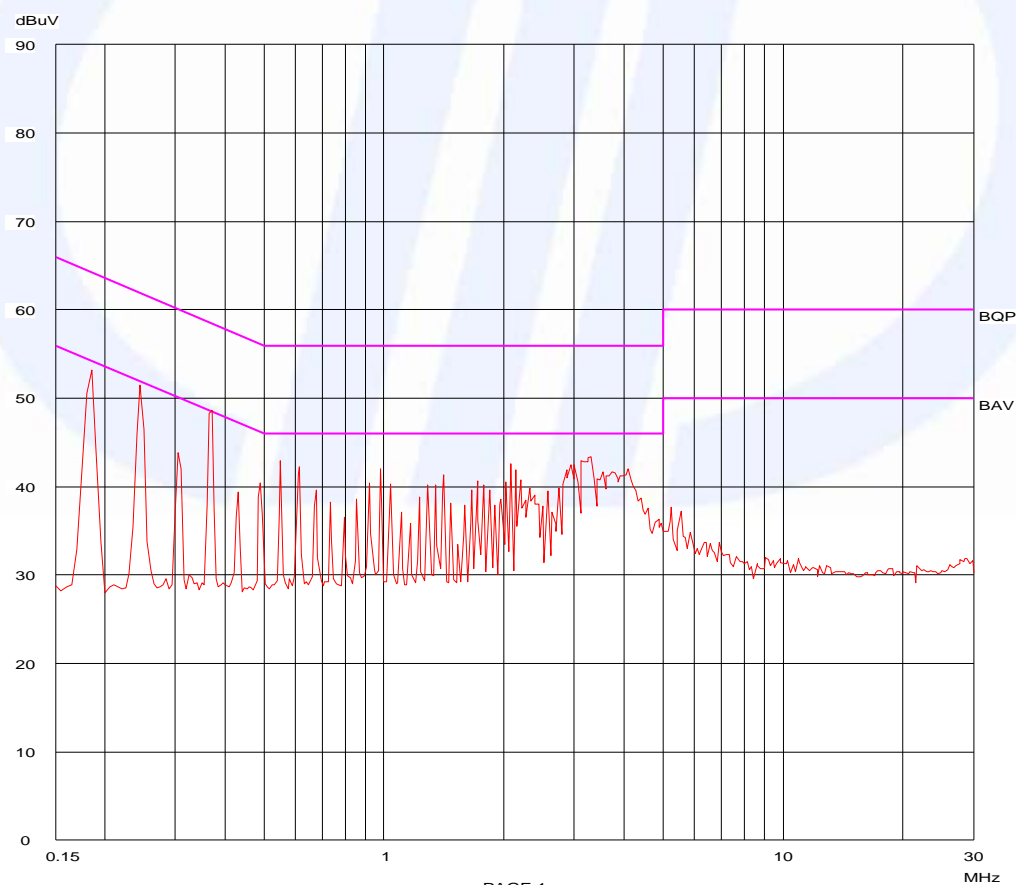




G10068502

CMC Centro misure compatibilita srl  
Emission 0.15-30MHz

Op Cond: In ricarica  
Operator: Gandini 10068502  
Test Spec: Line N

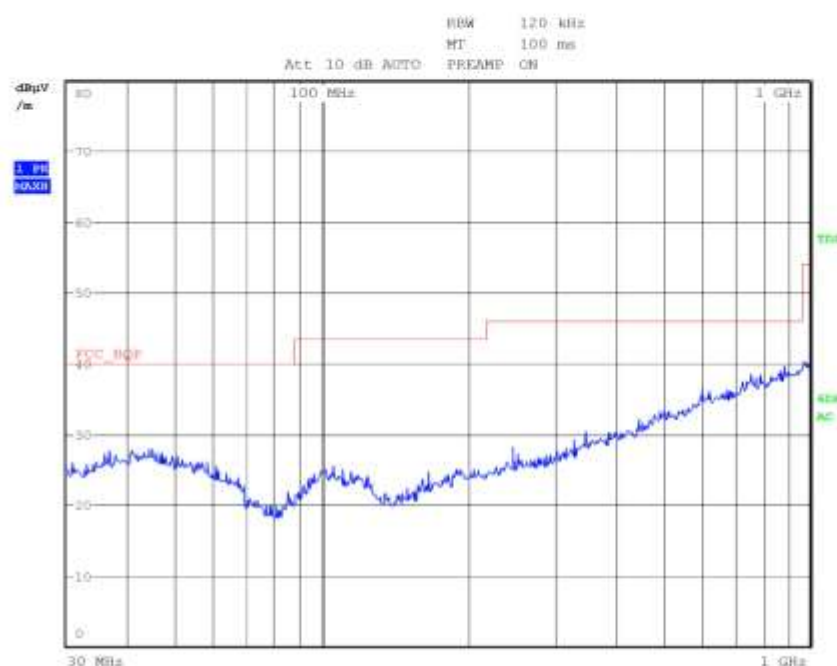






G10068503

**Meas Type** Emissioni 30-1000MHz  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** In Tx-CH 0  
**Operator** Gandini 10068503  
**Test Spec**  
**Vert**



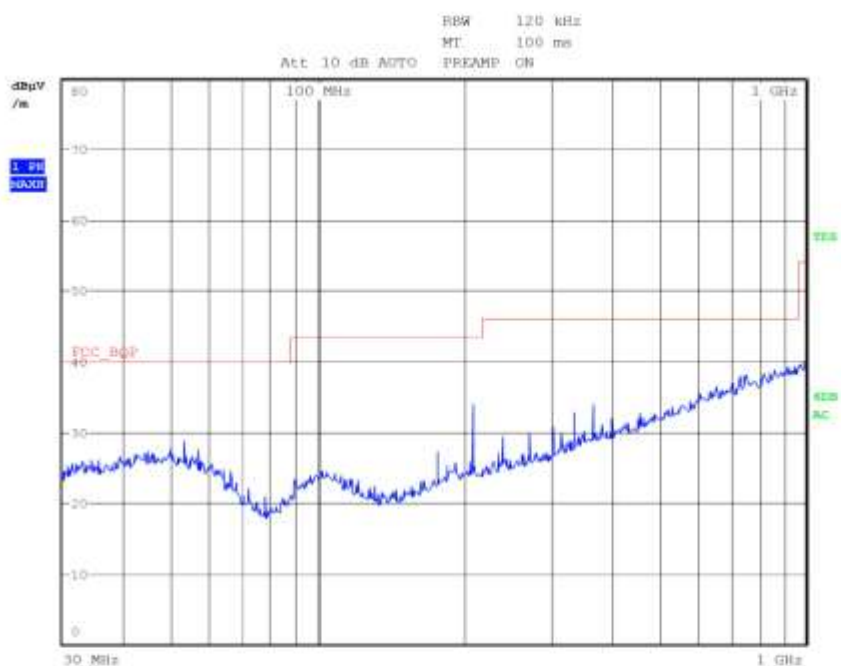
#### Final Measurement

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



G10068504

**Meas Type** Emissioni 30-1000MHz  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** In Tx-CH 0  
**Operator** Gandini 10068504  
**Test Spec**  
**Horiz**



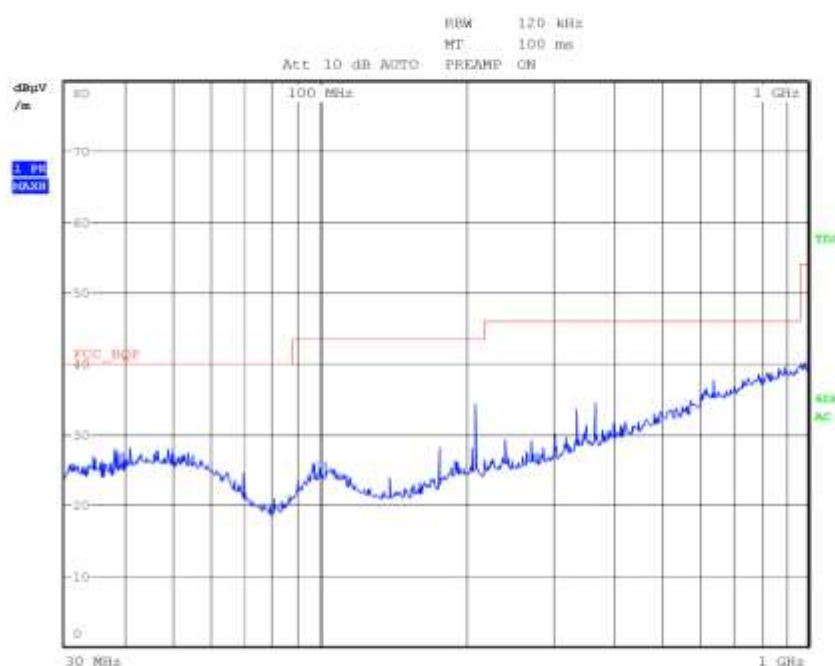
#### **Final Measurement**

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



G10068505

**Meas Type** Emissioni 30-1000MHz  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** In Tx-CH 39  
**Operator** Gandini 10068505  
**Test Spec**  
**Horiz**



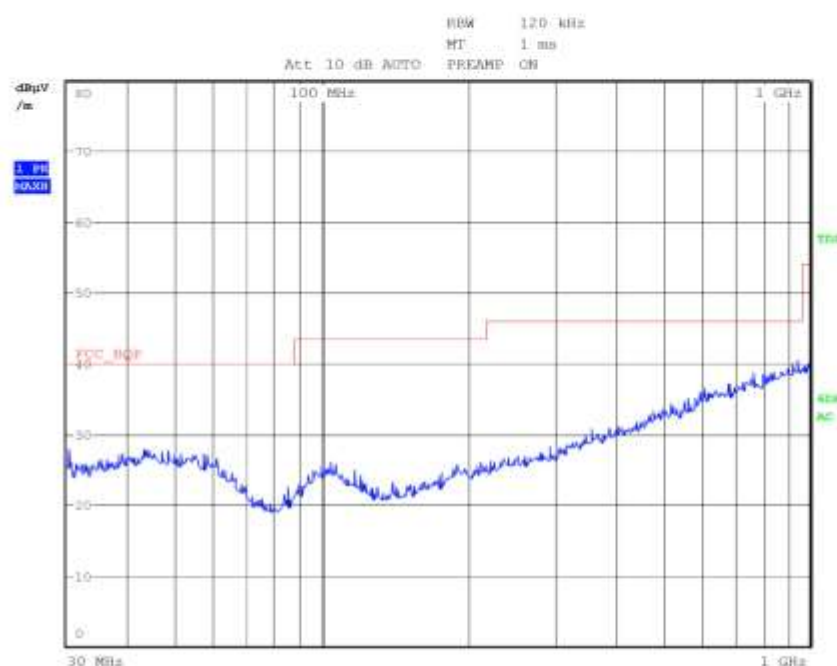
### Final Measurement

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



G10068506

**Meas Type** Emissioni 30-1000MHz  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** In Tx-CH 39  
**Operator** Gandini 10068506  
**Test Spec**  
**Vert**



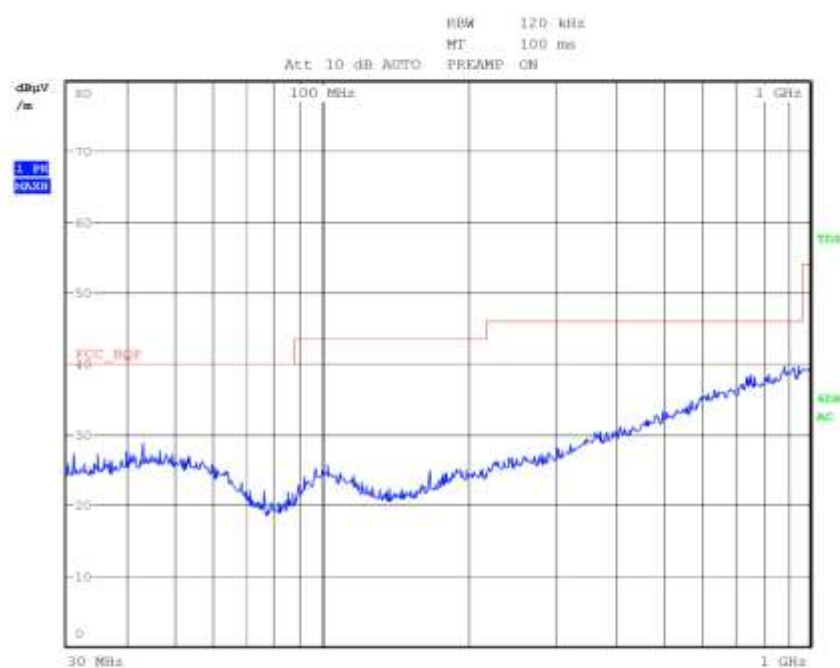
### Final Measurement

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



G10068507

**Meas Type** Emissioni 30-1000MHz  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** In Tx-CH 78  
**Operator** Gandini 10068507  
**Test Spec**  
**Vert**



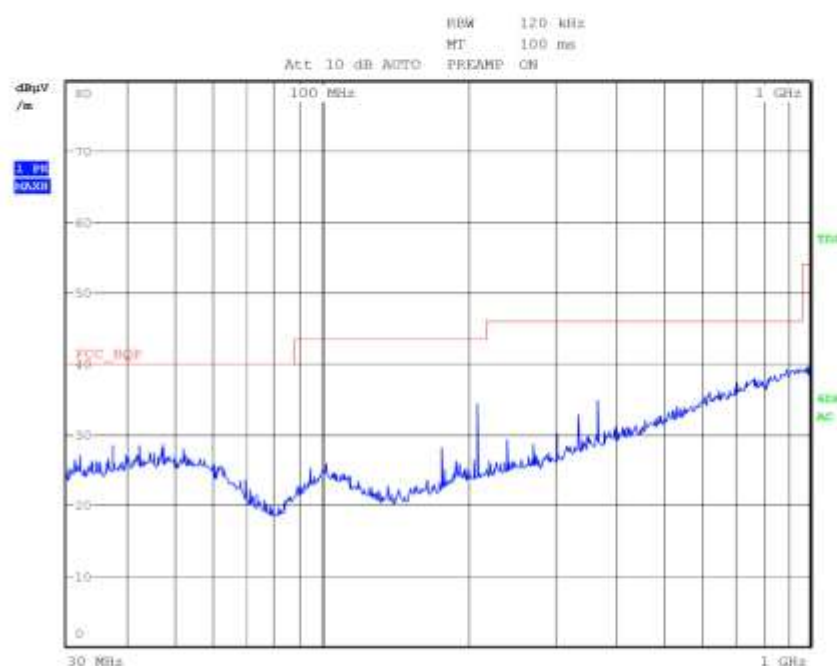
#### Final Measurement

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



G10068508

**Meas Type** Emissioni 30-1000MHz  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** In Tx-CH 78  
**Operator** Gandini 10068508  
**Test Spec**  
**Horiz**



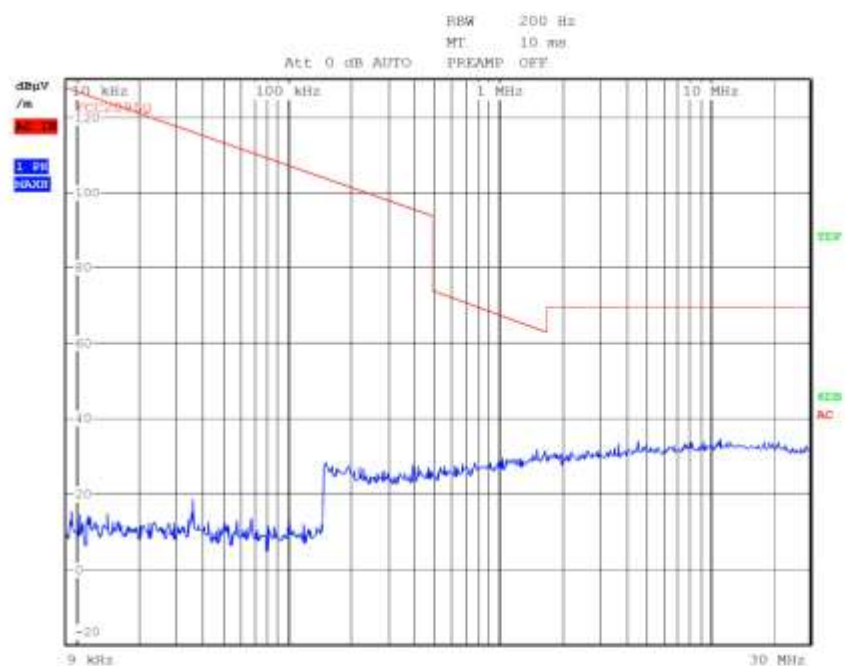
#### Final Measurement

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



G10068509

**Meas Type** Emission 0.009-30MHz  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** In trasmissione  
**Operator** Gandini 10068509  
**Test Spec**  
**Loop**

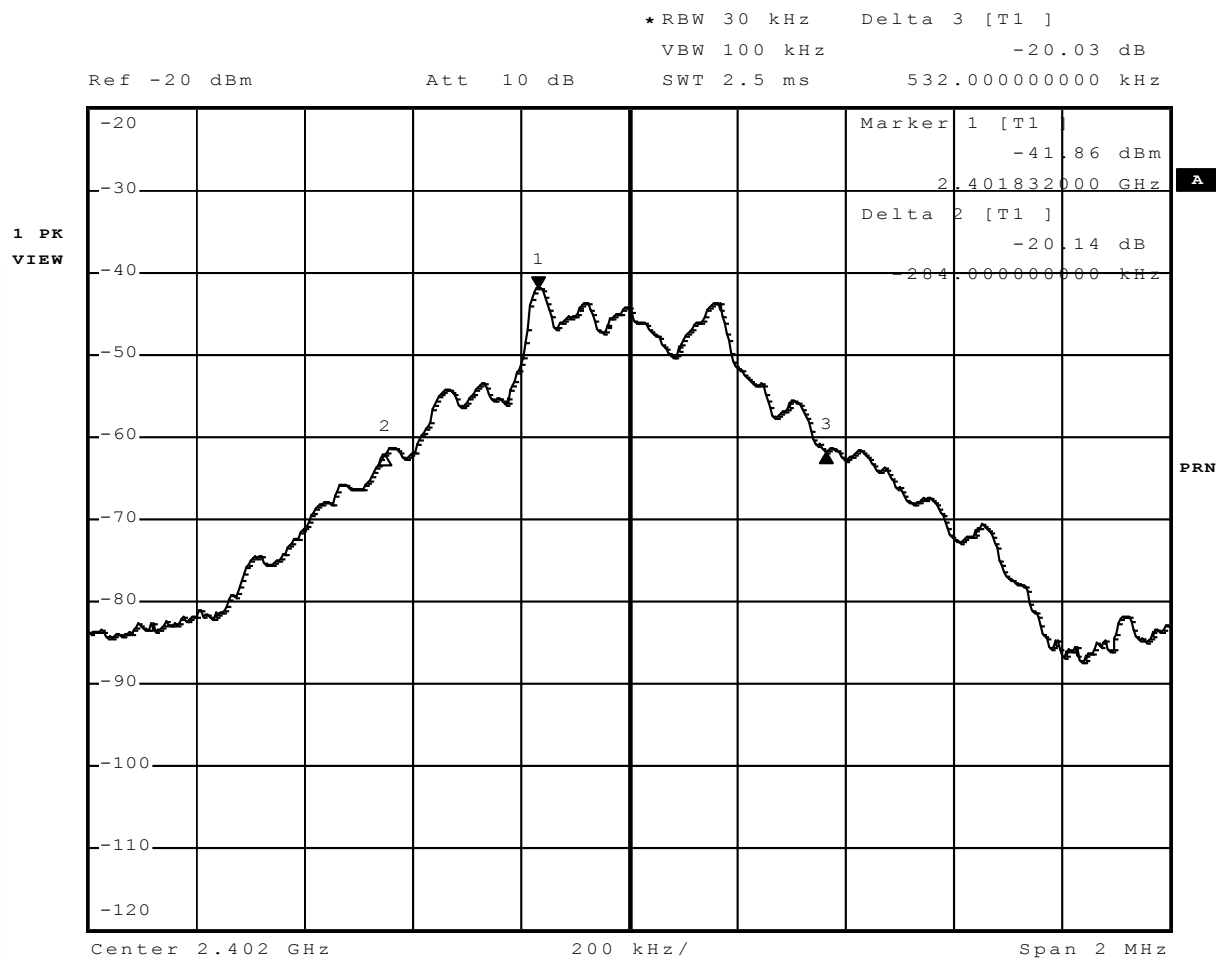


#### Final Measurement

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



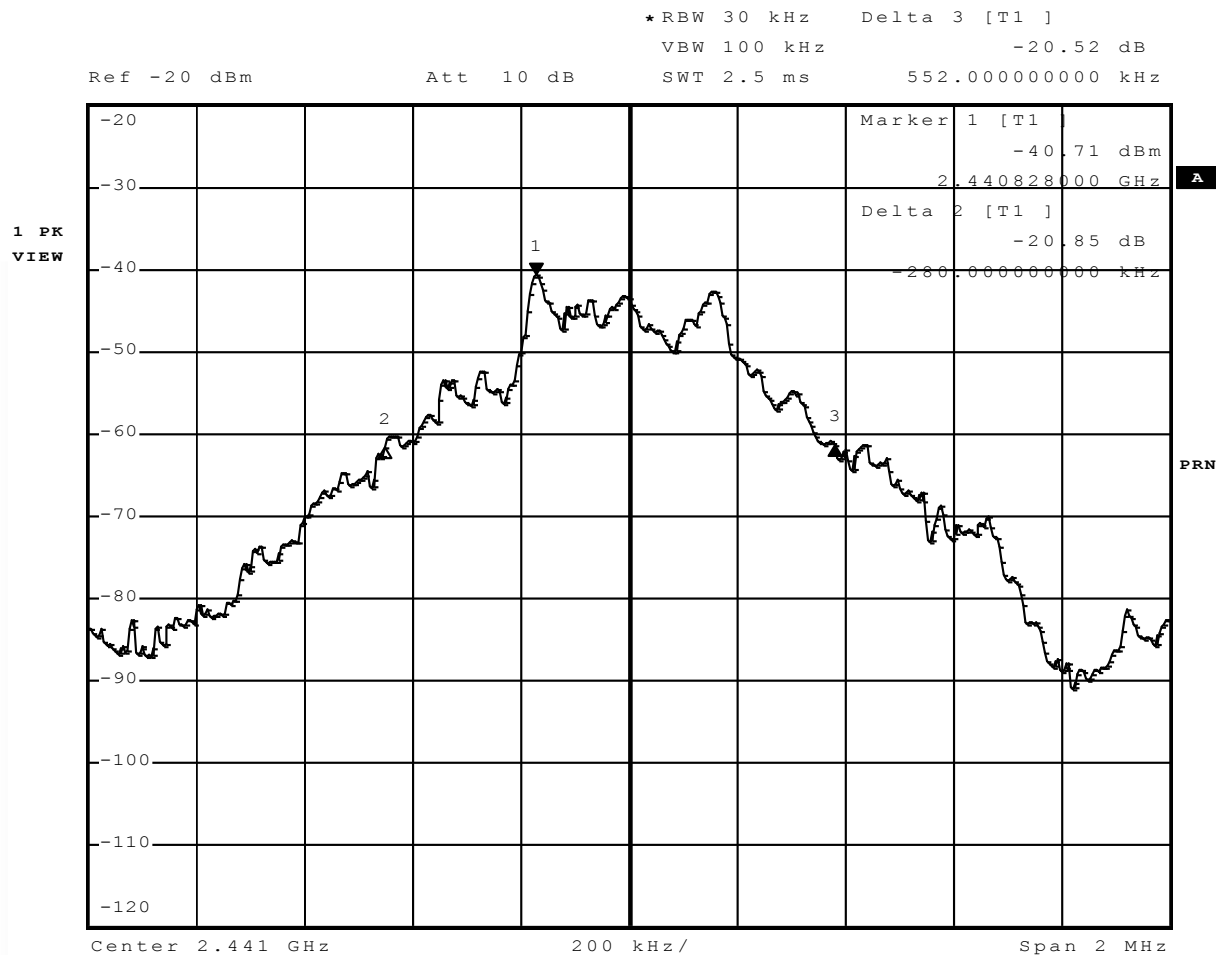
## G10068520





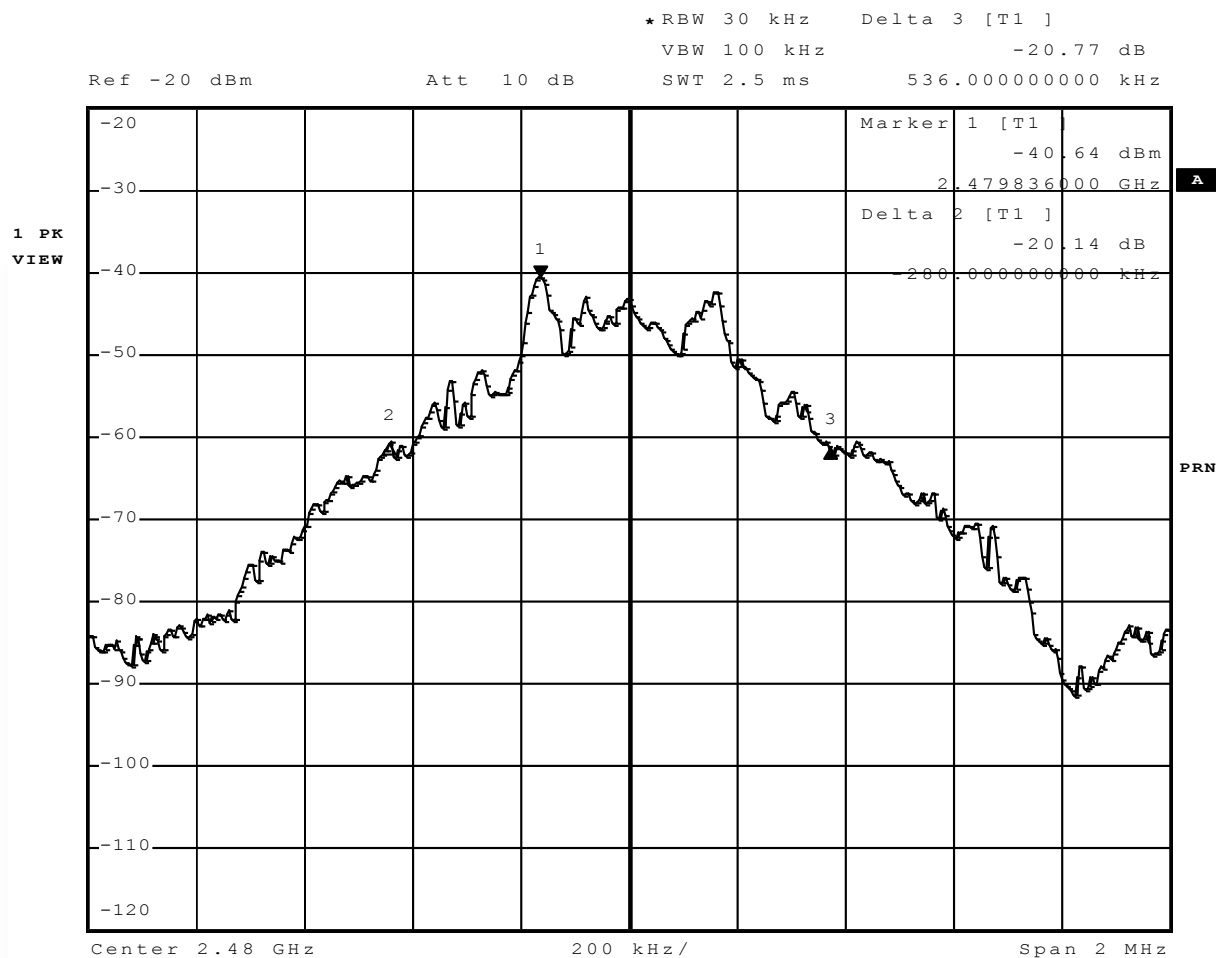


## G10068521



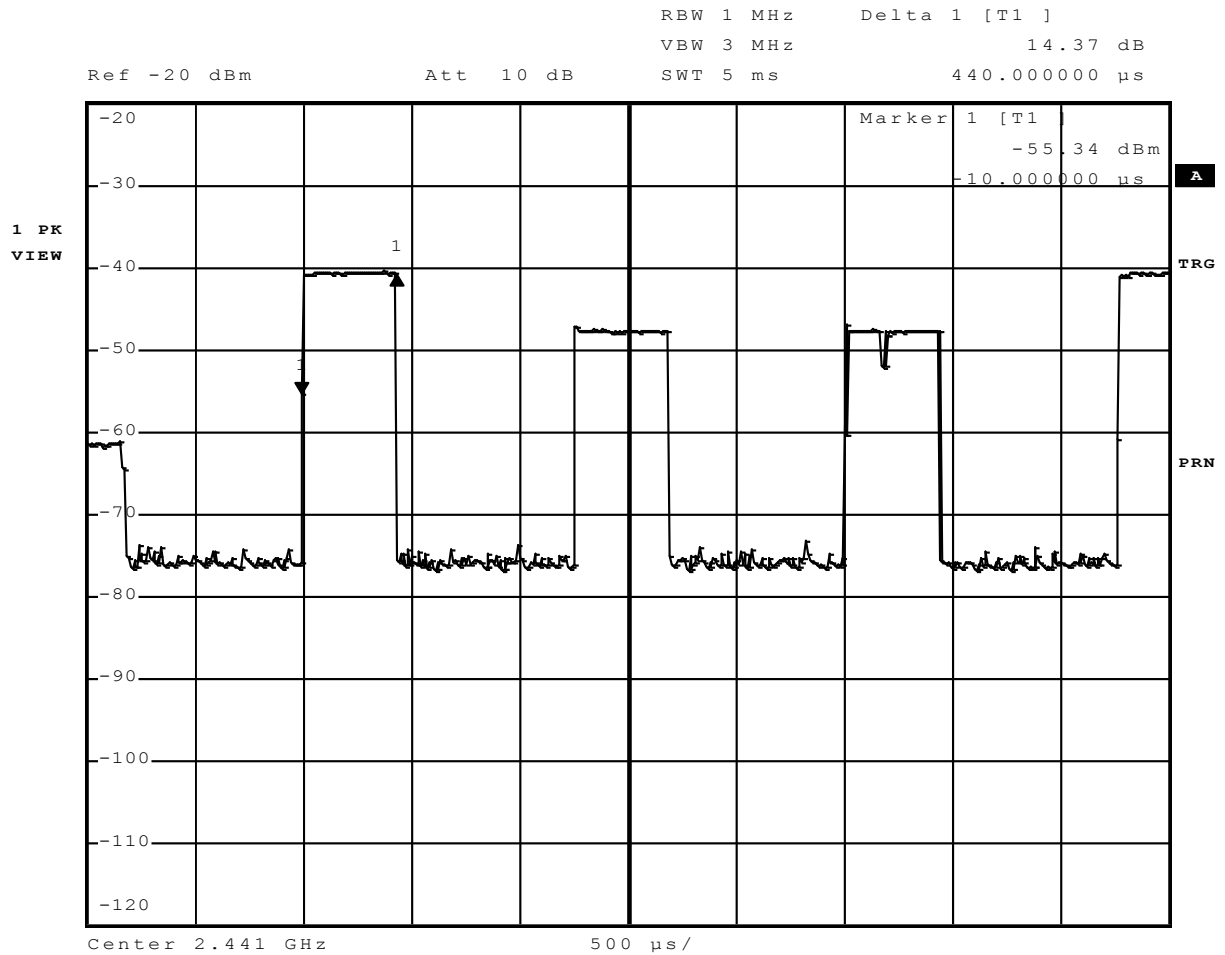


G10068522



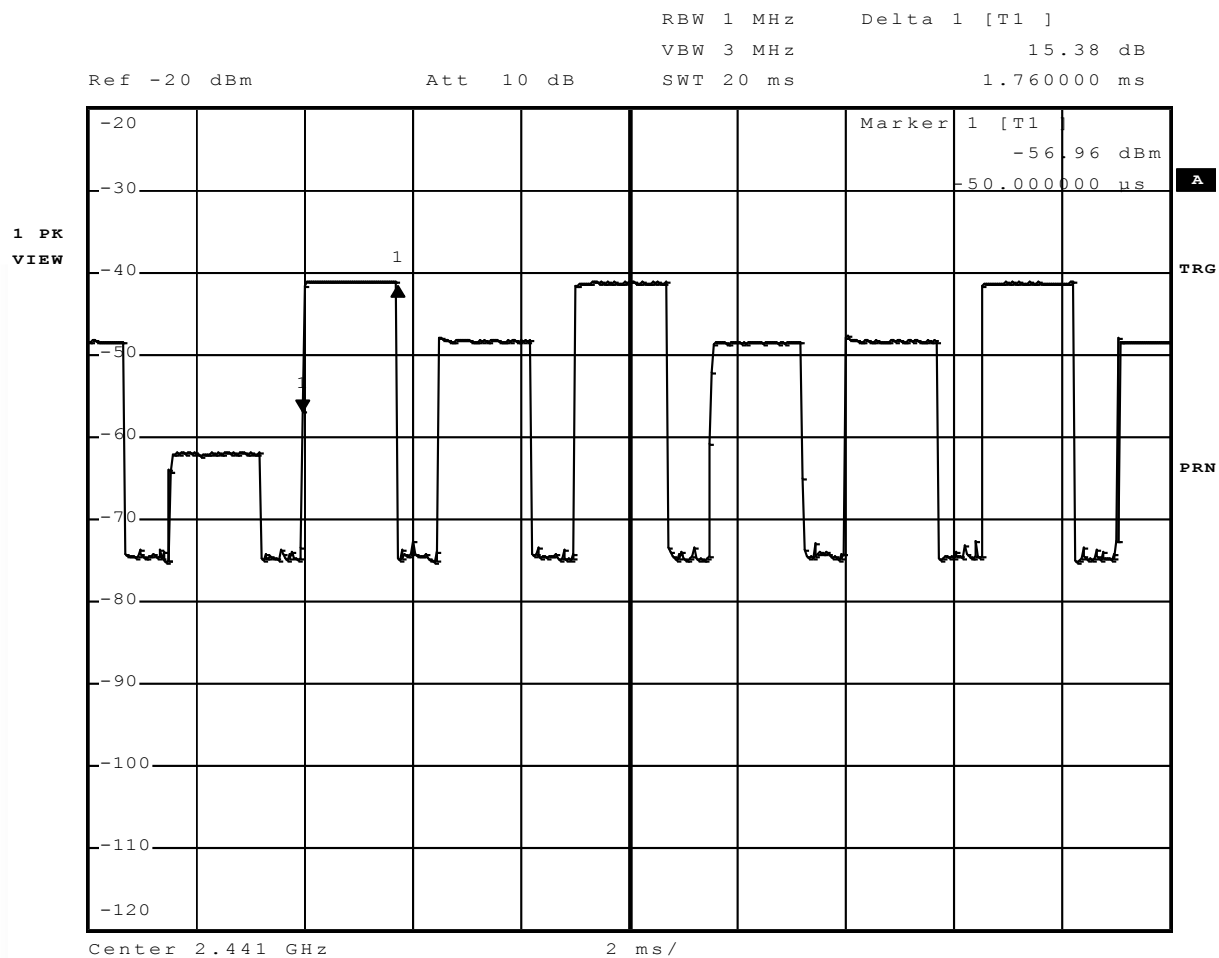


G10068523



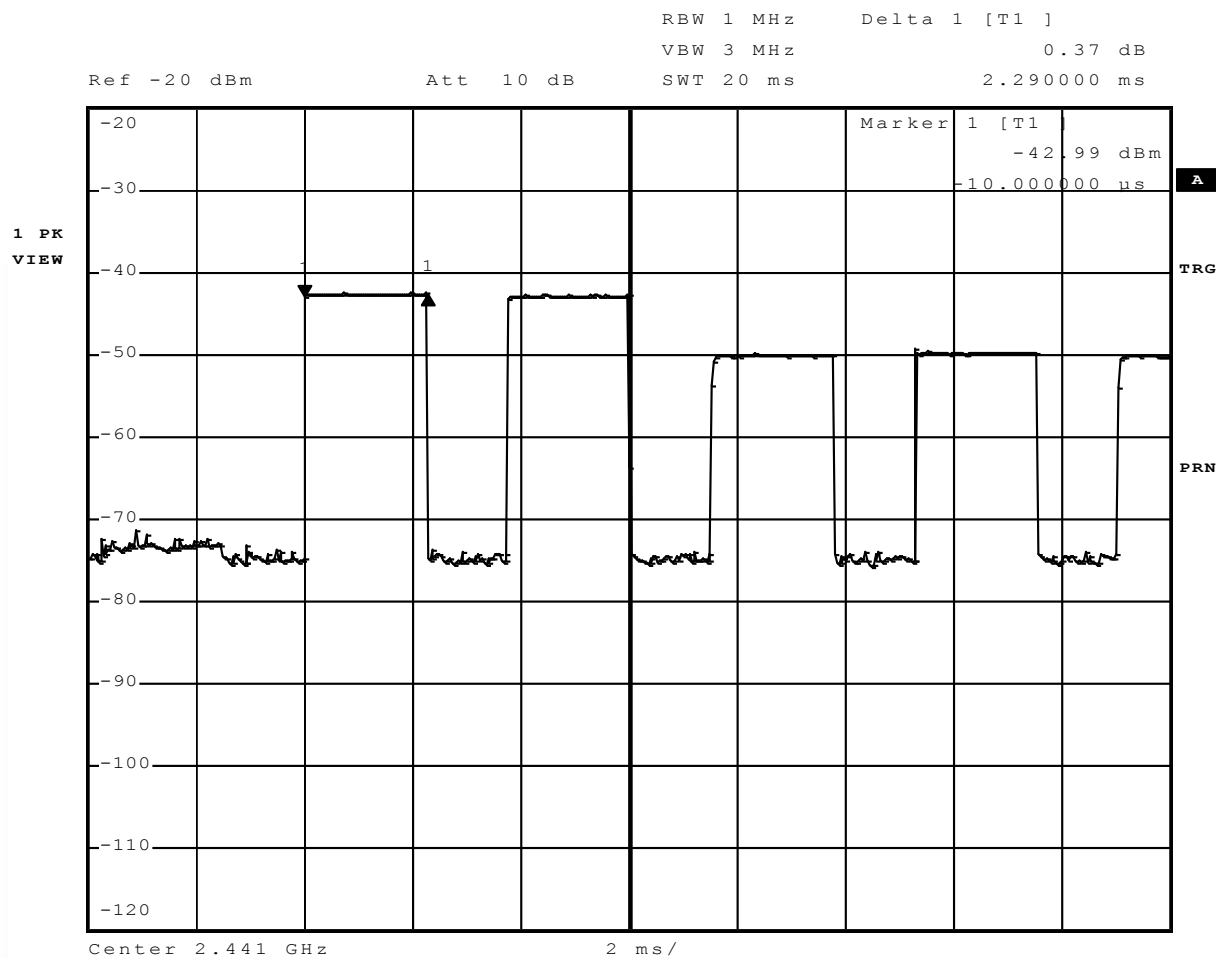


G10068524



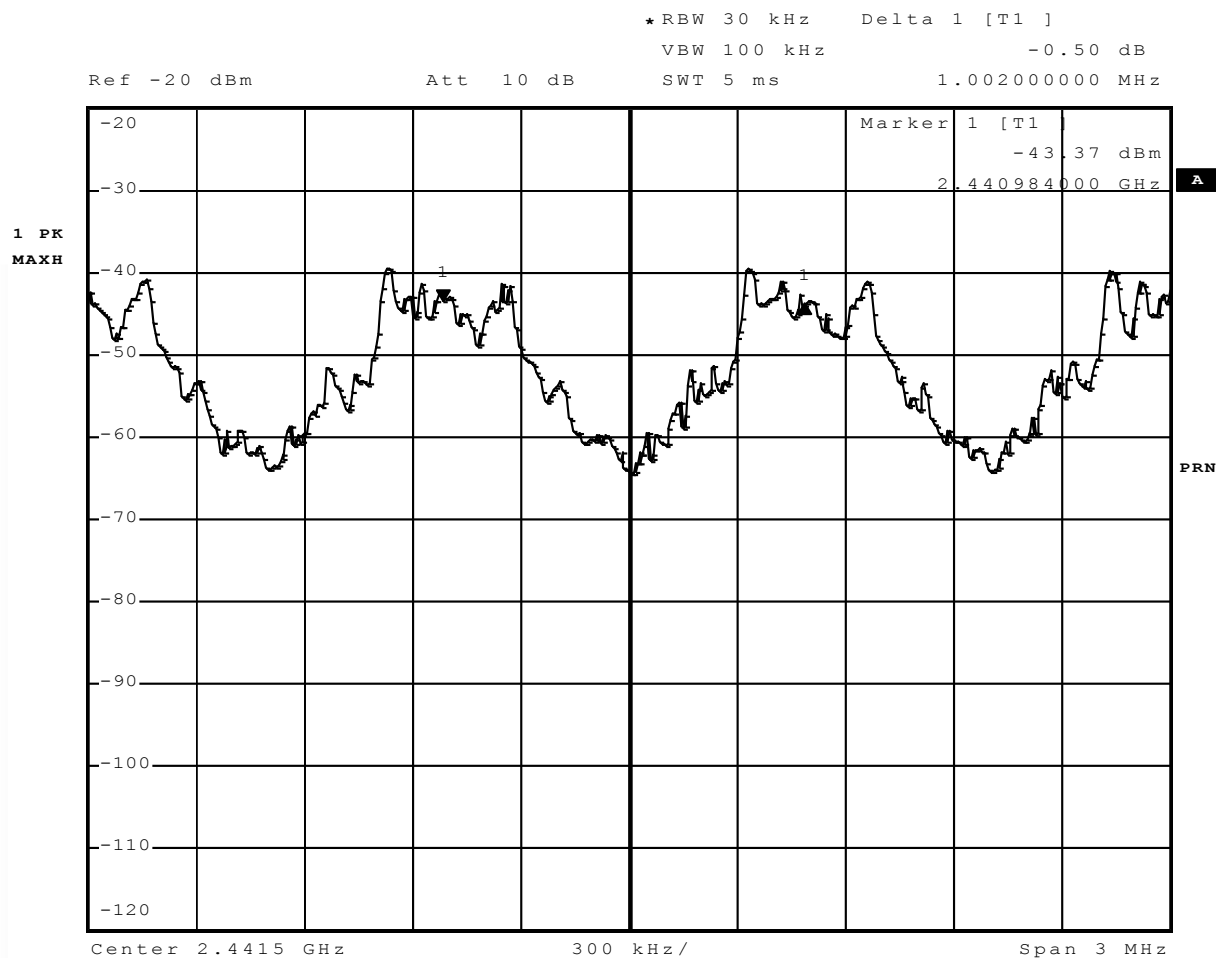


G10068525



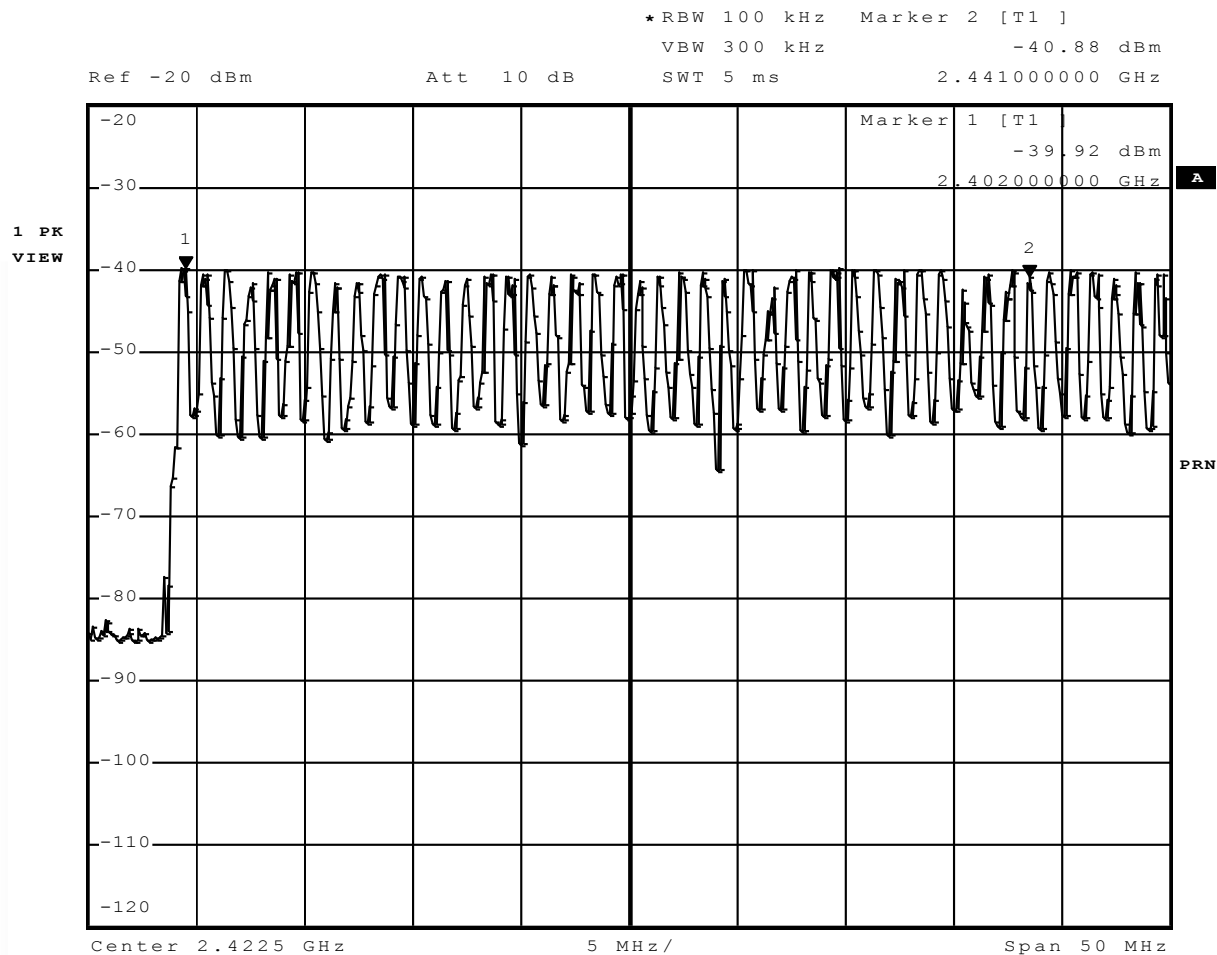


G10068526



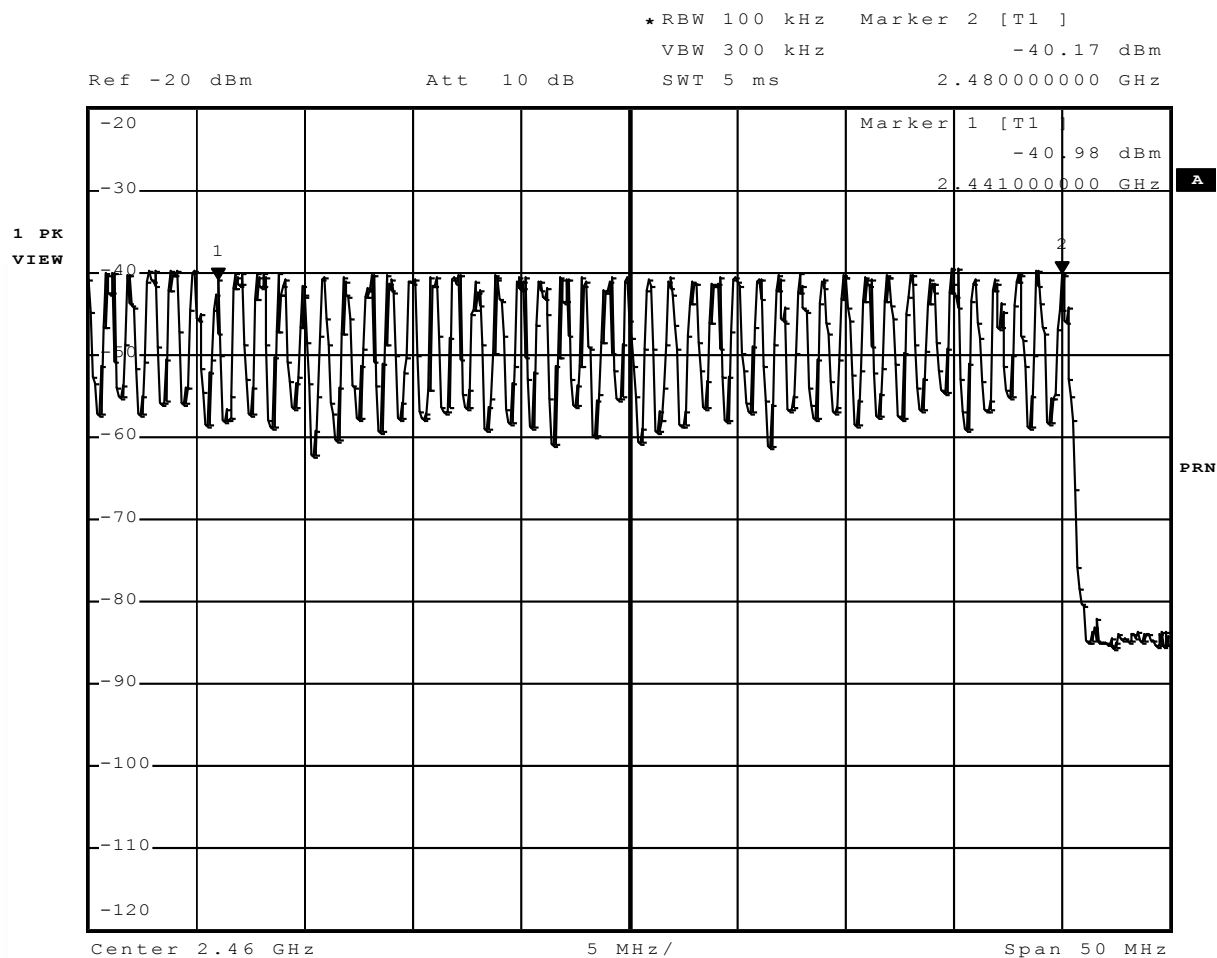


G10068527





G10068528

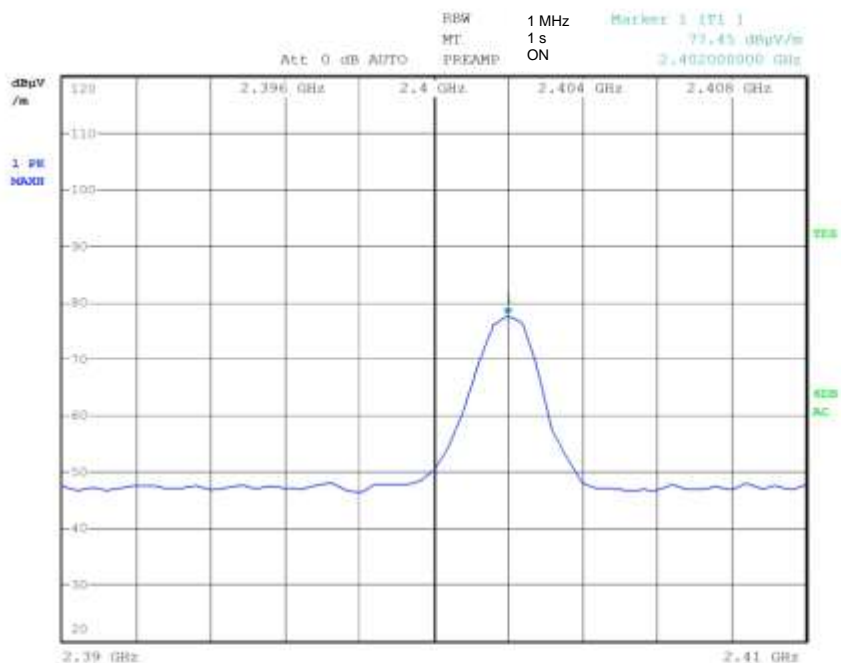






G10068530

Meas Type Emission  
Equipment under Test  
Manufacturer  
OP Condition 2.402GHz  
Operator Gandini 10068530  
Test Spec  
Horiz



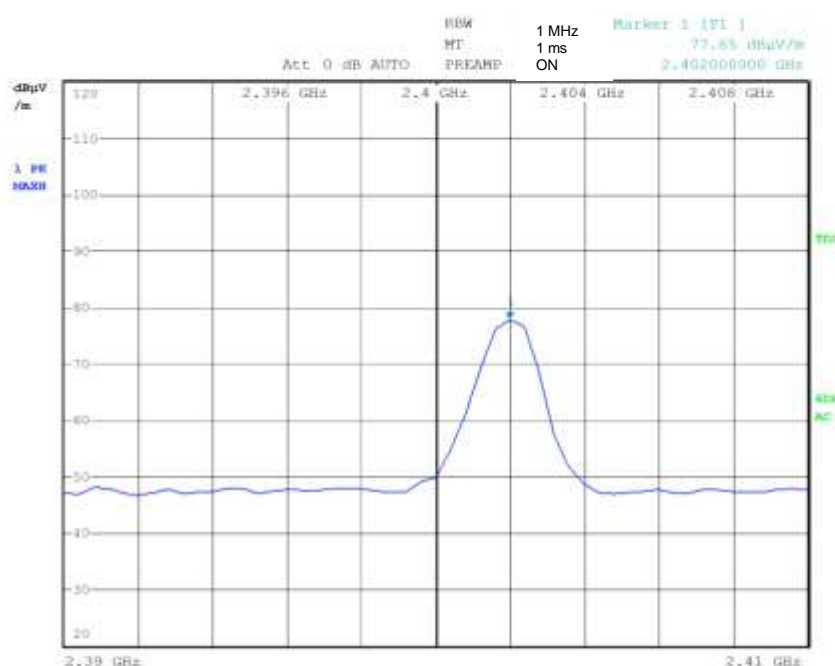
#### Final Measurement

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



G10068531

Meas Type Emission  
Equipment under Test  
Manufacturer  
OP Condition 2.402GHz  
Operator Gandini 10068531  
Test Spec  
Vert



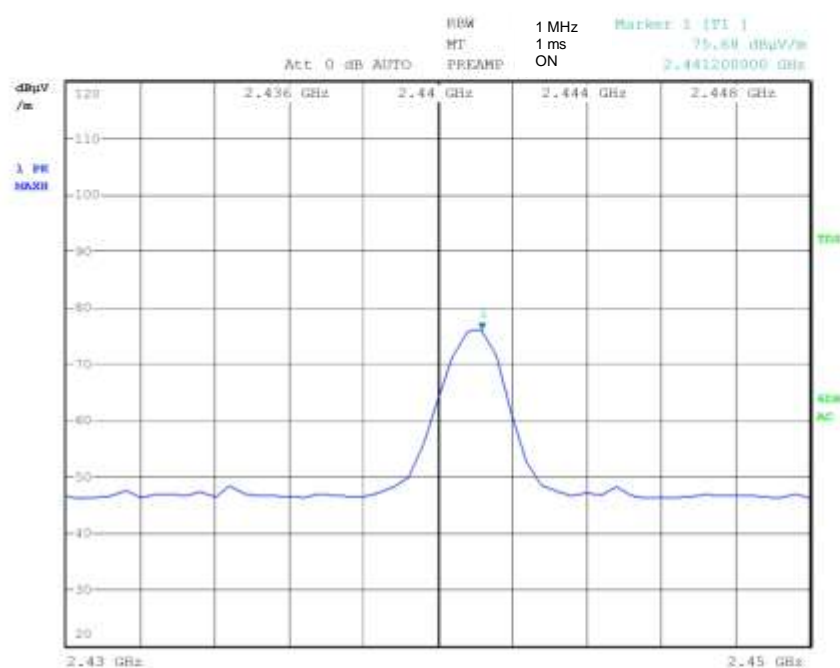
#### Final Measurement

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



G10068532

Meas Type Emission  
Equipment under Test  
Manufacturer  
OP Condition 2.441GHz  
Operator Gandini 10068532  
Test Spec  
Vert



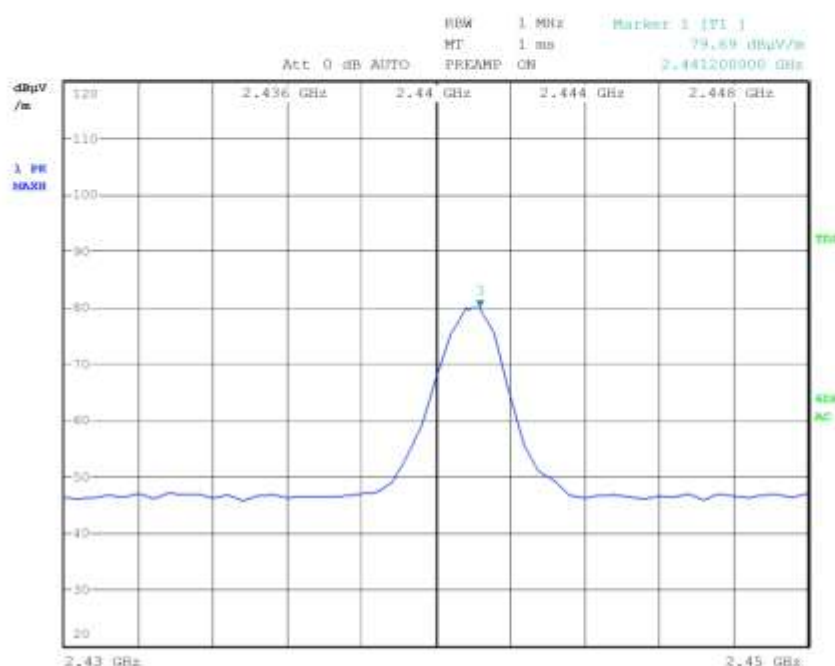
#### Final Measurement

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



G10068533

Meas Type Emission  
Equipment under Test  
Manufacturer  
OP Condition 2.441GHz  
Operator Gandini 10068533  
Test Spec  
Horiz



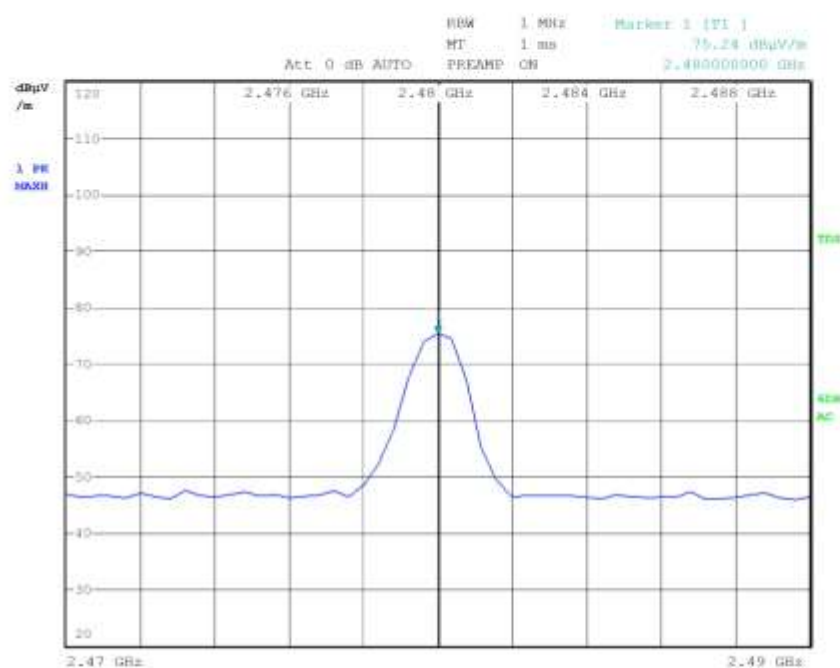
#### Final Measurement

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



G10068534

Meas Type Emission  
Equipment under Test  
Manufacturer  
OP Condition 2.480GHz  
Operator Gandini 10068534  
Test Spec  
Horiz



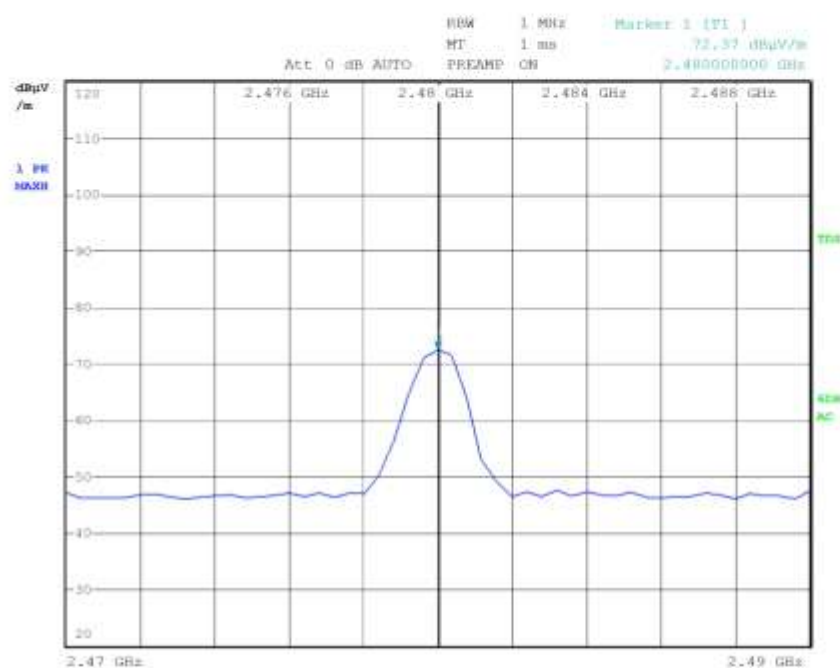
#### Final Measurement

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



G10068535

Meas Type Emission  
Equipment under Test  
Manufacturer  
OP Condition 2.480GHz  
Operator Gandini 10068535  
Test Spec  
Vert



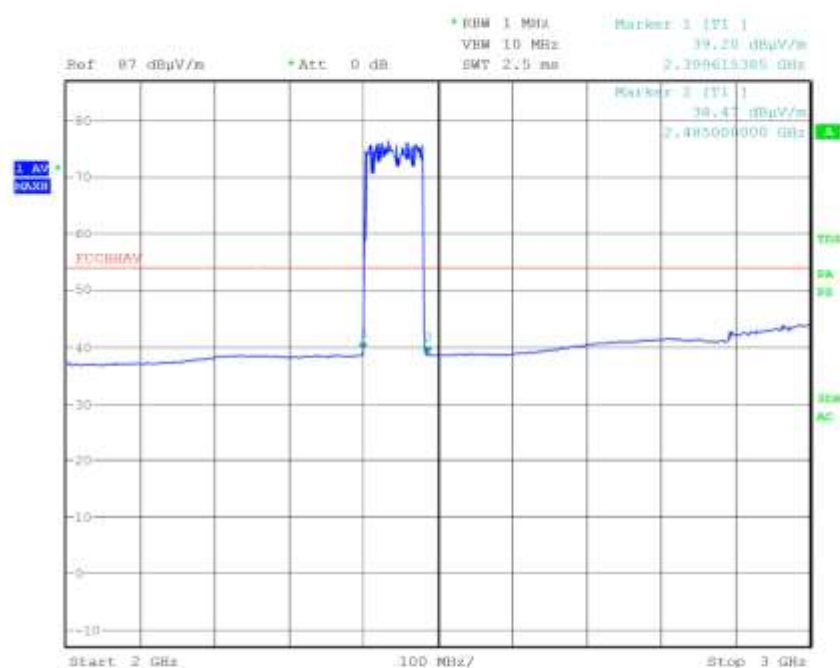
#### Final Measurement

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



G10068536

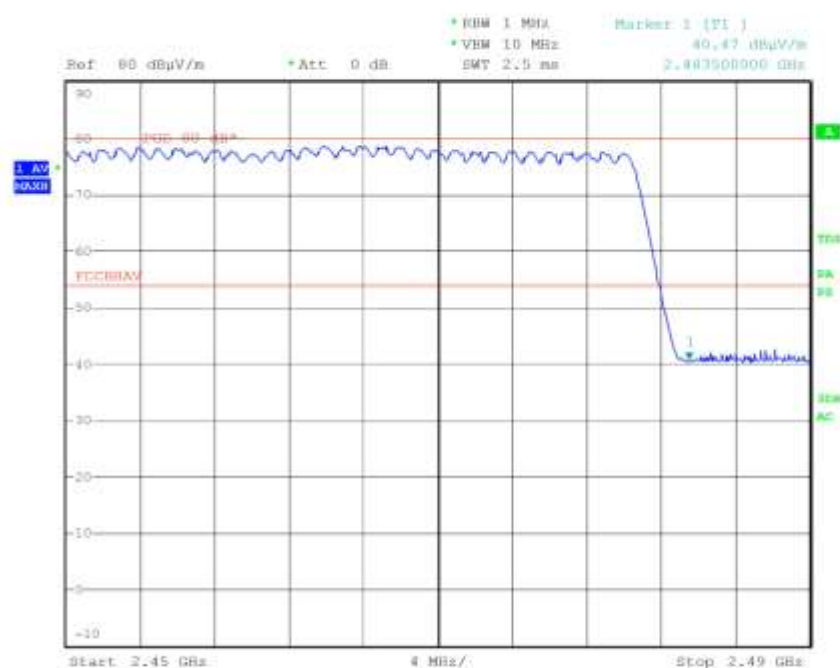
Meas Type Emission  
Equipment under Test  
Manufacturer  
OP Condition  
Operator Gandini 10068536  
Test Spec





G10068560

Meas Type Emission  
Equipment under Test  
Manufacturer  
OP Condition  
Operator Gandini 10068560  
Test Spec

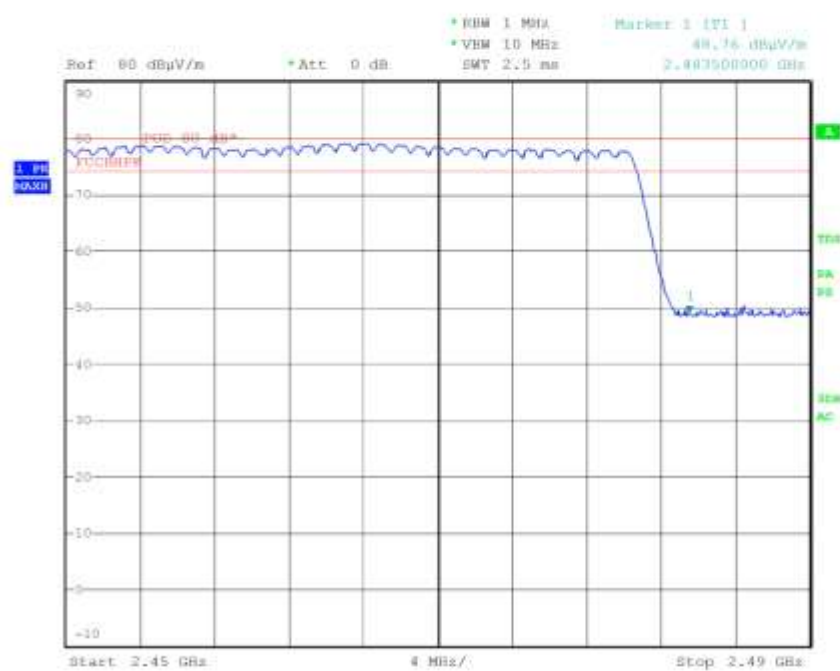






G10068561

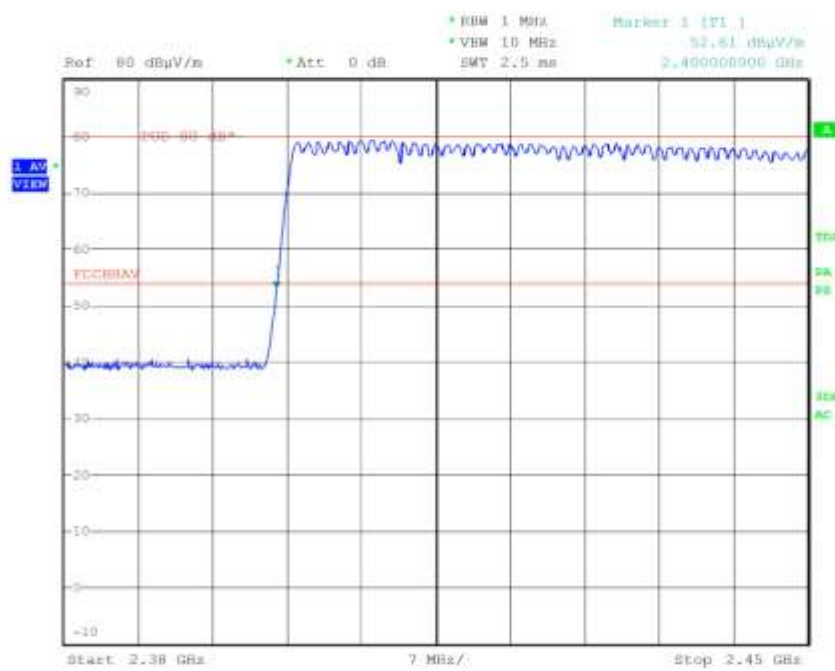
Meas Type Emission  
Equipment under Test  
Manufacturer  
OP Condition  
Operator Gandini 10068561  
Test Spec





G10068562

Meas Type Emission  
Equipment under Test  
Manufacturer  
OP Condition  
Operator Gandini 10068562  
Test Spec





G10068563

Meas Type Emission  
Equipment under Test  
Manufacturer  
OP Condition  
Operator Gandini 10068563  
Test Spec

