



TEST REPORT nr. R13007301

Federal Communication Commission (FCC)

Industry Canada (IC)

Test item

Description.....: Transceiver Unit
Trademark.....: AUTEK
Model/Type.....: Model RMC Type EA00M

Test Specification

Standard: FCC Rules & Regulations, Title 47 (2012) - Part 15 paragraph(s) : 207, 209, 215 and 249
RSS-210 (2010) – Annex 2 (A2.9)

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

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

Manufacturer's name.: Same ad client

Address: --

Report

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

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

Date of issue.....: 12.06.13

Contents: 90 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) – 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.....	: 110Vac 60Hz
Type of equipment	: <input checked="" type="checkbox"/> Transmitter Unit <input checked="" type="checkbox"/> Receiver Unit <input checked="" type="checkbox"/> Fixed station <input type="checkbox"/> Portable station <input type="checkbox"/> Mobile station
Alignment range.....	: 902 – 928 MHz
Switching frequency	: 902 – 928 MHz
Modulation	: Up to 19300 Baud RC-FSK
Information on antenna.....	: - Embedded - External antenna: $\lambda/4$ stylus antenna Type: A0ANTE00E0040
FCC ID	: OQA-RMCEA00M
IC number	: 9061A-RMCEA00M
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	: 23.01.13
Testing start date.....	: 23.01.13
Testing end date.....	: 29.01.13
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 P130061
4. Operative conditions	
--	

CMC Centro Misure Compatibilità S.r.l.



5. Photograph(s) of EUT

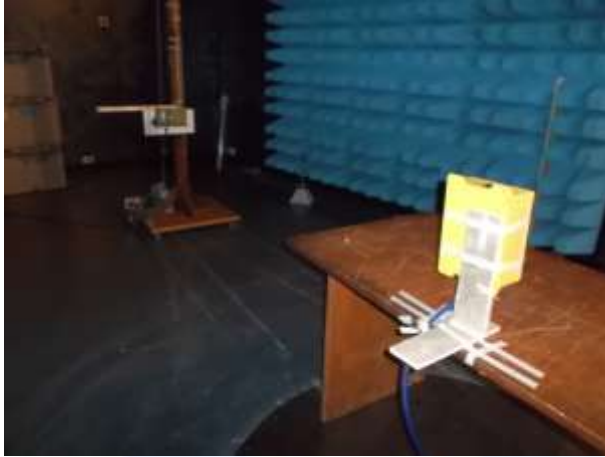
Sample with External Antenna



CMC Centro Misure Compatibilità S.r.l.



Sample with Internal Antenna



CMC Centro Misure Compatibilità S.r.l.



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 S108	Emco	3115	Horn antenna	9811-5622	April '13	April '16
CMC S124	Spin	AMTP42-20	Horn Antenna 18-26GHz	103	May '13	May '16
CMC S127	Schaffner	HLA6120	Loop Antenna	1191	January '13	January '16
CMC S129	Rohde & Schwarz	ESPI7	Receiver	836.914/004	January '13	January '14
CMC S136	Schwarzbeck	VULB 9163	Broadband Antenna	9136-205	May '13	May '16
CMC S164	Rohde & Schwarz	ESU26	EMC interference receiver	100052	January '13	January '14
CMC S207	Rohde & Schwarz	ESCI 7	EMI receiver	100781	January '13	January '14



7. Measurement uncertainty

Test	Expanded Uncertainty	note
Conducted Emission		
(50Ω/50μH AMN) - (9 kHz – 150 kHz)	±3.9 dB	1
(50Ω/50μH AMN) - (150 kHz – 30 MHz)	±3.4 dB	1
(Voltage probe) - (150 kHz – 30 MHz)	±3.4 dB	1
(50Ω/5μH AMN) - (150 kHz – 108 MHz)	±2.8 dB	1
DiscontinuousConducted Emission		
Conducted Emission (50Ω/50μH AMN) - (150 kHz – 30 MHz)	±3.4 dB	1
Disturbance Power (30 MHz – 300 MHz)		
	±3.8 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)	±4.7 dB	1
Electromagnetic field EMF		
	±15.0 %	1
Harmonic current emissions test		
	±2.7 %	1
Voltage fluctuation and flicker test		
	±2.9 %	1
Insertion loss test		
	±2.9 dB	1
Radiated electromagnetic disturbance test (loop antenna)		
	±2.8 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		
	0.4 V at 3V	1
Bulk current		
	9.7 mA at 60 mA	1
Power frequency magnetic field immunity test		
	0.1 A/m at 10 A/m	1
Electrostatic discharge immunity test		
		2
Electrical fast transients / burst immunity test		
		2
Surge immunity test		
		2
Pulse magnetic field immunity test		
		2
Damped oscillatory magnetic field 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 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 (2012)	--
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.

CMC Centro Misure Compatibilità S.r.l.



11.1 Antenna Requirements

Test configuration and test method

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

Environmental conditions

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

Test set-up and execution

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

Test Requirements

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

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

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

Test specification

Port: Antenna.

EUT exercising

See clause 4 of this test report

Result

<i>Antenna Type</i>	<i>Gain</i>	<i>Remarks</i>	<i>Results</i>
Embedded	0 dBi	--	Complies
External	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 21 °C Atmospheric pressure 99 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

<i>Frequency (MHz)</i>	<i>Graph(s)</i>	<i>Bandwidth (kHz)</i>	<i>Remark</i>
915,250	G13007320	14,18	Antenna: Embedded
921,500	G13007313	14,10	
927,730	G13007310	14,58	
915,250	G13007354	17,71	Antenna: External
921,500	G13007351	17,87	
927,730	G13007348	17,79	

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 21 °C Atmospheric pressure 99 kPa Relative humidity 45 %

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 (kHz)	Remark
915,250	G13007319	17,79	Antenna: Embedded
921,500	G13007314	17,71	
927,730	G13007309	17,78	
915,250	G13007355	14,18	Antenna: External
921,500	G13007352	14,10	
927,730	G13007349	14,18	
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 Laboratory
 Auxiliary equipment See clause 4 of this test report

Environmental conditions

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

Test set-up and execution

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

Test specification

Port: Antenna;
 Antenna distance: 3m

EUT exercising

See clause 4 of this test report

Acceptance limits

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

Result

Frequency (MHz)	Polarization	Graphs	Measured QP level (dB μ V/m)	Peak Output Power (mW)	Remark
915,250	Horizontal	G13007317	86,78	0,12	Antenna: Embedded
915,250	Vertical	G13007318	93,04	0,48	
921,500	Vertical	G13007315	91,19	0,48	
921,500	Horizontal	G13007316	85,62	0,12	
927,750	Vertical	G13007307	91,46	0,48	
927,750	Horizontal	G13007308	85,76	0,12	
Measurement uncertainty: ± 3 dBm					



<i>Frequency (MHz)</i>	<i>Polarization</i>	<i>Graphs</i>	<i>Measured QP level (dBµV/m)</i>	<i>Peak Output Power (mW)</i>	<i>Remark</i>
915,250	Vertical	G13007346	87,53	0,12	Antenna: External
915,250	Horizontal	G13007347	86,51	0,12	
921,500	Horizontal	G13007344	88,01	0,27	
921,500	Vertical	G13007345	90,37	0,27	
927,750	Vertical	G13007342	89,87	0,27	
927,750	Horizontal	G13007343	87,54	0,12	
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: 1 (0dBi)

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

P = the power in watts

Reference documents

See clause 8 of this test report

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

CMC S164

Result

The requirements are met



11.5 Band Edge

Test configuration and test method

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

Environmental conditions

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

Test set-up and execution

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

Test specification

Port: Antenna;

EUT exercising

See clause 4 of this test report

Acceptance limits

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

Result

Frequency (MHz)	Graph(s)	Remark
915,250	G13007311	Antenna: Embedded
921,500	G13007312	
927,750	G13007321	
915,250	G13007356	Antenna: External
921,500	G13007353	
927,750	G13007350	
Measurement uncertainty: ±1dB		

Remarks //

Reference documents See clause 8 of this test report

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

Result The requirements are met



11.6 Radiated Spurious (Transmitter)

Test configuration and test method

Test site Semi-anechoic chamber
 Auxiliary equipment None

Environmental conditions

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

Test set-up and execution

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

Test specification

Port: Antenna;

For measurements below 1GHz the resolution bandwidth is set to 100kHz.

For measurements above 1GHz the resolution bandwidth is set to 1MHz.

EUT exercising

See clause 4 of this test report

Acceptance limits

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

Result

Channel	Polarization	Frequency Range (MHz)	Graph(s) (peak measurements)	Result	Remarks
915,250	Horizontal	30 – 1000	G13007303	Complies	Antenna: Embedded
915,250	Vertical	30 – 1000	G13007304	Complies	
921,500	Vertical	30 – 1000	G13007301	Complies	
921,500	Horizontal	30 – 1000	G13007302	Complies	
927,750	Vertical	30 – 1000	G13007305	Complies	
927,750	Horizontal	30 – 1000	G13007306	Complies	

Channel	Polarization	Frequency Range (GHz)	Graph(s) (peak measurements)	Result	Remarks
915,250	Horizontal	1 – 10	G13007322	Complies	Antenna: Embedded
915,250	Vertical	1 – 10	G13007323	Complies	
921,500	Vertical	1 – 10	G13007324	Complies	
921,500	Horizontal	1 – 10	G13007325	Complies	
927,750	Horizontal	1 – 10	G13007326	Complies	
927,750	Vertical	1 – 10	G13007327	Complies	

Antenna	Frequency Range (MHz)	Graph(s)	Result	Remarks
Loop Antenna	9kHz – 30MHz	G13007331	Complies	Antenna: Embedded



Nr. Harmonics	AV level (dB μ V/m)						AV Limits (dB μ V/m)	Remark
	915,250MHz		921,500 MHz		927,750 MHz			
	Frequency	(dB μ V/m)	Frequency	(dB μ V/m)	Frequency	(dB μ V/m)		
II Harmonic	1830,4967	43,1	1842,8214	43,0	1854,4367	42,8	54,00	Antenna: Embedded
III Harmonic	2745,6650	52,1	2764,4503	51,9	2782,0737	51,5	54,00	
IV Harmonic	3661,0352	45,4	3685,7948	46,0	3701,1378	45,4	54,00	
V Harmonic	4576,1503	47,5	4607,4118	47,9	4636,5384	46,1	54,00	
VI Harmonic	5491,4903	42,4	5528,2574	42,1	5566,2475	41,2	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: ± 4 dB								

Nr. Harmonics	PK level (dB μ V/m)						PK Limits (dB μ V/m)	Remark
	915,250MHz		921,500 MHz		927,750 MHz			
	Frequency	(dB μ V/m)	Frequency	(dB μ V/m)	Frequency	(dB μ V/m)		
II Harmonic	1830,4967	47,8	1842,8214	48,7	1854,4367	47,2	74,00	Antenna: Embedded
III Harmonic	2745,6650	55,2	2764,4503	54,4	2782,0737	55,8	74,00	
IV Harmonic	3661,0352	51,8	3685,7948	51,8	3701,1378	51,5	74,00	
V Harmonic	4576,1503	52,8	4607,4118	53,2	4636,5384	52,1	74,00	
VI Harmonic	5491,4903	51,9	5528,2574	52,3	5566,2475	51,7	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: ± 4 dB								



<i>Channel</i>	<i>Polarization</i>	Frequency Range (MHz)	Graph(s) (peak measurements)	Result	Remarks
915,250	Horizontal	30 – 1000	G13007340	Complies	Antenna: External
915,250	Vertical	30 – 1000	G13007341	Complies	
921,500	Vertical	30 – 1000	G13007338	Complies	
921,500	Horizontal	30 – 1000	G13007339	Complies	
927,750	Horizontal	30 – 1000	G13007336	Complies	
927,750	Vertical	30 – 1000	G13007337	Complies	

<i>Channel</i>	<i>Polarization</i>	Frequency Range (GHz)	Graph(s) (peak measurements)	Result	Remarks
915,250	Vertical	1 – 10	G13007332	Complies	Antenna: External
915,250	Horizontal	1 – 10	G13007333	Complies	
921,500	Horizontal	1 – 10	G13007328	Complies	
921,500	Vertical	1 – 10	G13007329	Complies	
927,750	Horizontal	1 – 10	G13007334	Complies	
927,750	Vertical	1 – 10	G13007335	Complies	

<i>Antenna</i>	Frequency Range (MHz)	Graph(s)	Result	Remarks
Loop Antenna	9kHz – 30MHz	G13007330	Complies	Antenna: External



Nr. Harmonics	AV level (dB μ V/m)						AV Limits (dB μ V/m)	Remark
	915,250MHz		921,500 MHz		927,750 MHz			
	Frequency	(dB μ V/m)	Frequency	(dB μ V/m)	Frequency	(dB μ V/m)		
II Harmonic	1830,2475	41,1	1839,3452	42,0	1853,5242	42,4	54,00	Antenna: External
III Harmonic	2745,3578	49,9	2764,5320	50,1	2781,8413	50,2	54,00	
IV Harmonic	3661,1121	43,9	3686,0160	43,5	3709,1378	44,0	54,00	
V Harmonic	4576,2339	48,3	4607,3878	48,8	4636,5304	49,1	54,00	
VI Harmonic	5490,4282	42,5	5528,4231	42,2	5563,8269	42,3	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: ± 4 dB								

Nr. Harmonics	PK level (dB μ V/m)						PK Limits (dB μ V/m)	Remark
	915,250MHz		921,500 MHz		927,750 MHz			
	Frequency	(dB μ V/m)	Frequency	(dB μ V/m)	Frequency	(dB μ V/m)		
II Harmonic	1830,2475	47,9	1839,3452	48,2	1853,5242	48,3	74,00	Antenna: External
III Harmonic	2745,3578	54,5	2764,5320	55,2	2781,8413	55,5	74,00	
IV Harmonic	3661,1121	51,1	3686,0160	50,3	3709,1378	50,9	74,00	
V Harmonic	4576,2339	53,7	4607,3878	53,4	4636,5304	54,1	74,00	
VI Harmonic	5490,4282	52,3	5528,4231	52,3	5563,8269	51,8	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: ± 4 dB								

Remarks

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

Reference documents

See clause 8 of this test report

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

CMC S108, CMC S124, CMC S136, CMC S164

Measurement uncertainty: See clause 7 of this test report

Result

The requirements are met



11.7 Radiated Spurious (Receiver)

Test configuration and test method

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

Environmental conditions

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

Test set-up and execution

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

Test specification

Port: Antenna;

EUT exercising

See clause 4 of this test report

Acceptance limits

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

Result

Polarization	Frequency Range (MHz)	Graph(s)	Result	Remarks
Vertical	30 – 1000	G13007361	Complies	Antenna: Embedded
Horizontal	30 – 1000	G13007362	Complies	
Horizontal	1000 – 10000	G13007367	Complies	
Vertical	1000 – 10000	G13007368	Complies	
Horizontal	30 – 1000	G13007363	Complies	Antenna: External
Vertical	30 – 1000	G13007364	Complies	
Vertical	1000 – 10000	G13007365	Complies	
Horizontal	1000 – 10000	G13007366	Complies	

Remarks

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

Reference documents

See clause 8 of this test report

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

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

Measurement uncertainty: See clause 7 of this test report

Result

The requirements are met



11.8 Emission of mains terminal disturbance voltage (continuous disturbance)

Test configuration and test method

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

Environmental conditions

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

Test set-up and execution

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

Test specification

Port: AC mains

EUT exercising

See clause 4 of this test report

Acceptance limits

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

Result

<i>Line</i>	<i>Graphs</i>	<i>Result</i>	<i>Remarks</i>
L1	G13007357	Complies	Antenna: Embedded
N	G13007358	Complies	
N	G13007359	Complies	Antenna: External
L1	G13007360	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 S206

Measurement uncertainty: See clause 7 of this test report

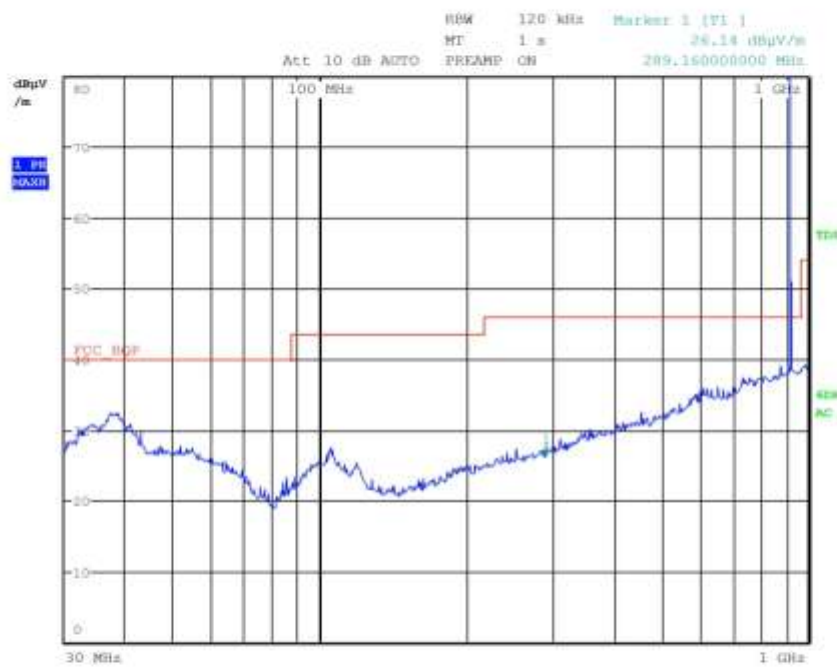
Result The requirements are met



12. Graphs and Tables

G13007301

Meas Type Emission 30-1000MHz
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA INTERNA
Operator Gandini 13007301
Test Spec
Vert



Final Measurement

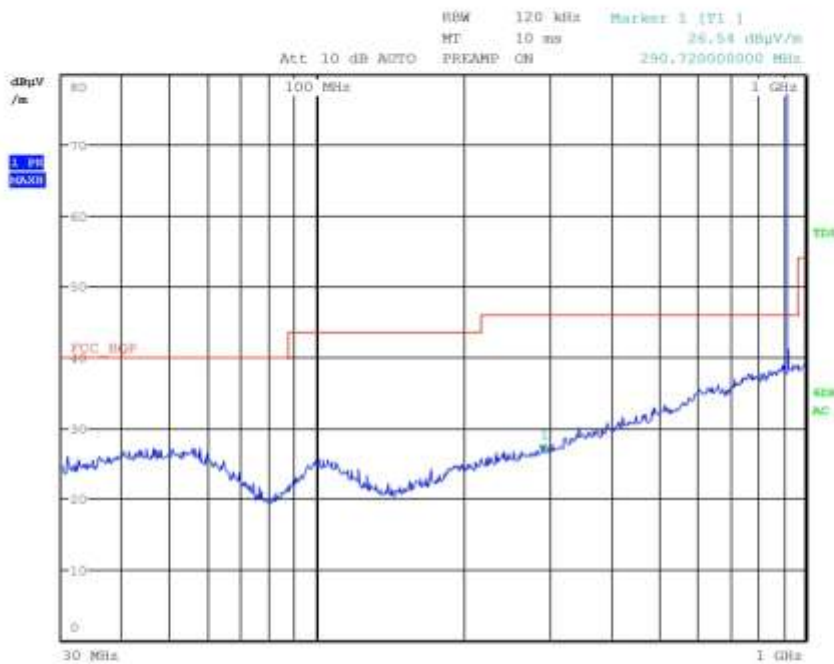
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007302

Meas Type Emission 30-1000MHz
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA INTERNA
Operator Gandini 13007302
Test Spec
Horiz



Final Measurement

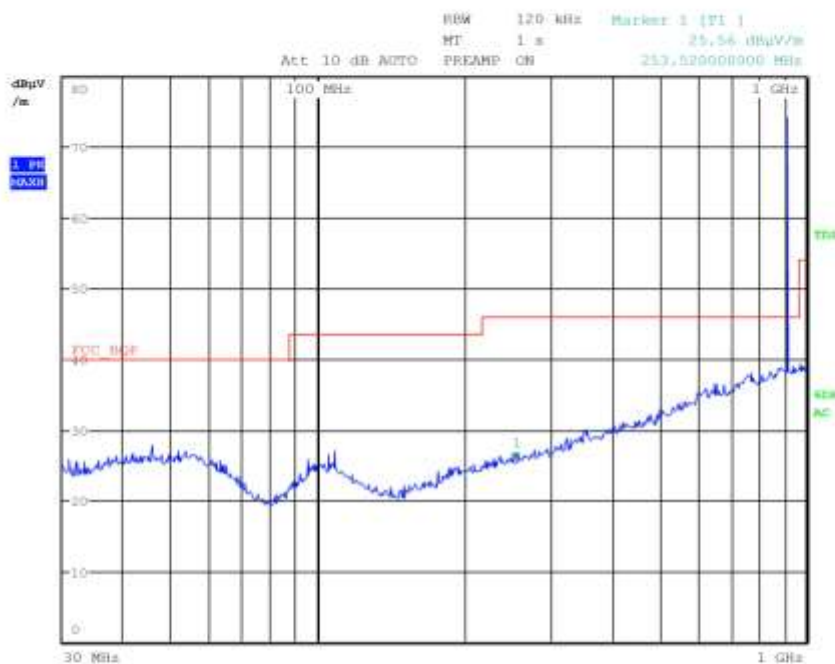
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007303

Meas Type Emission 30-1000MHz
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA INTERNA
Operator Gandini 13007303
Test Spec
Horiz



Final Measurement

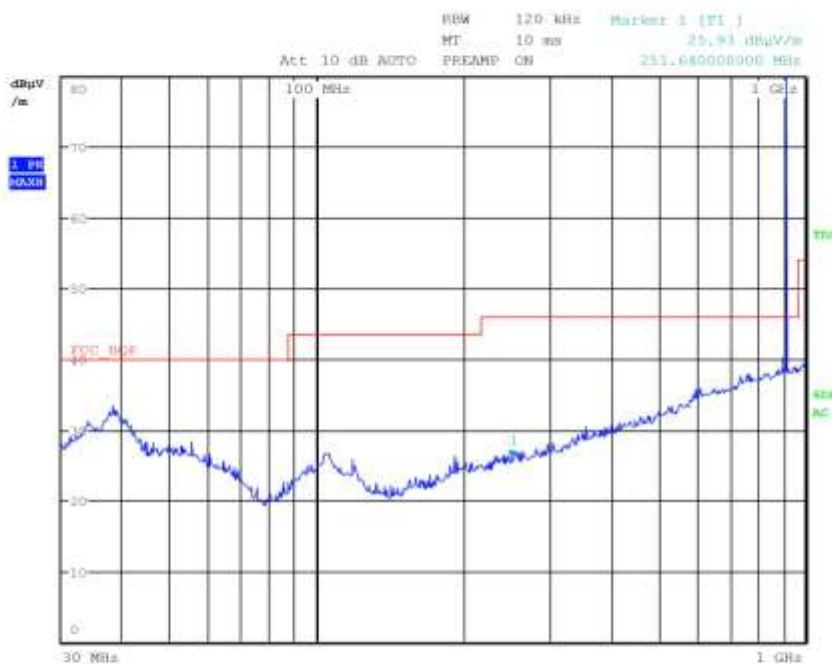
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007304

Meas Type Emission 30-1000MHz
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA INTERNA
Operator Gandini 13007304
Test Spec
Vert



Final Measurement

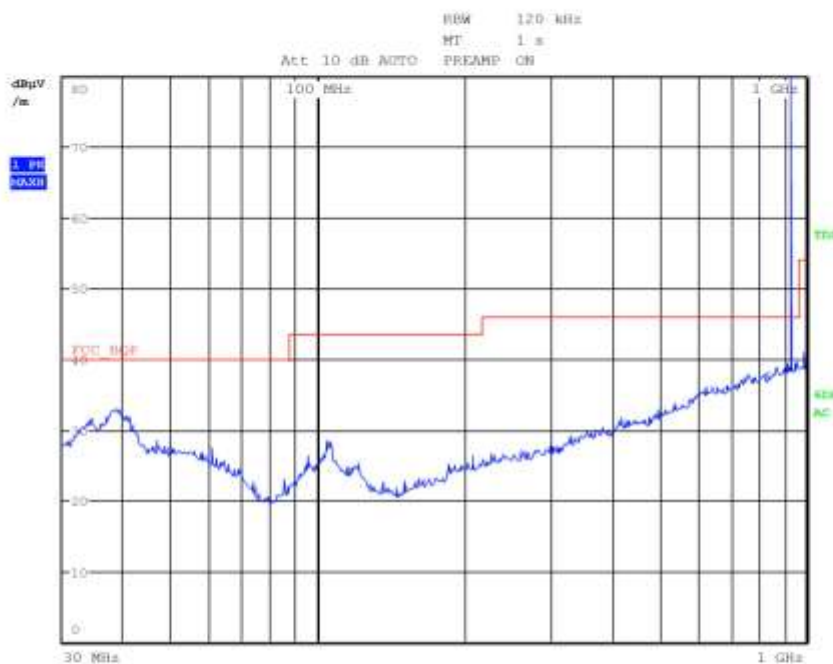
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007305

Meas Type Emission 30-1000MHz
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA INTERNA
Operator Gandini 13007305
Test Spec
Vert



Final Measurement

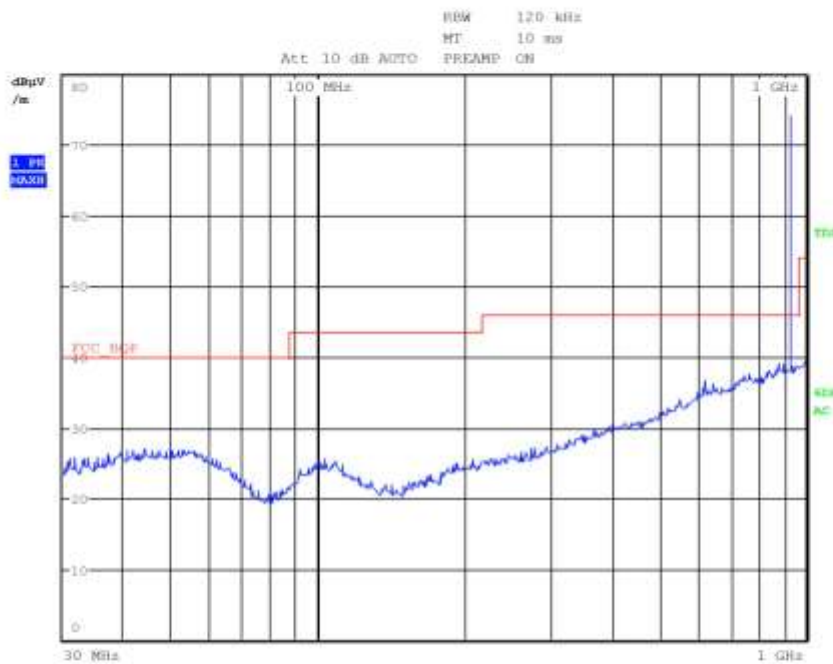
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007306

Meas Type Emission 30-1000MHz
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA INTERNA
Operator Gandini 13007306
Test Spec
Horiz



Final Measurement

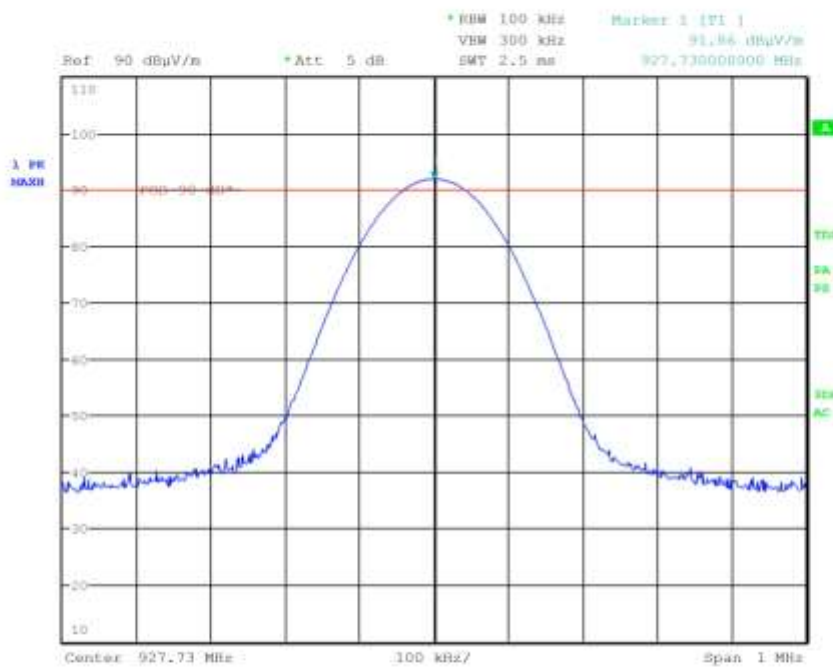
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007307

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA INTERNA
Operator Gandini 13007307
Test Spec
Vert

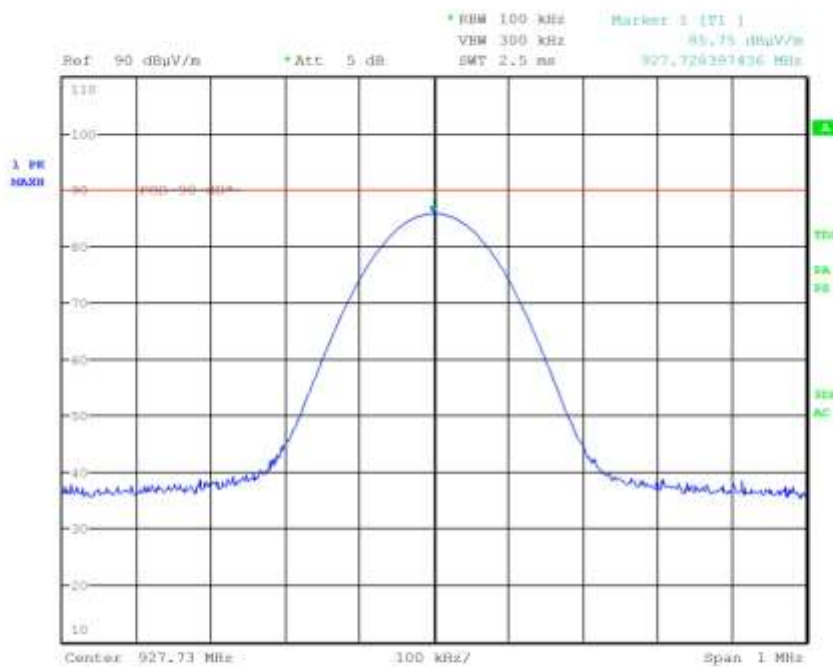


CMC Centro Misure Compatibilità S.r.l.



G13007308

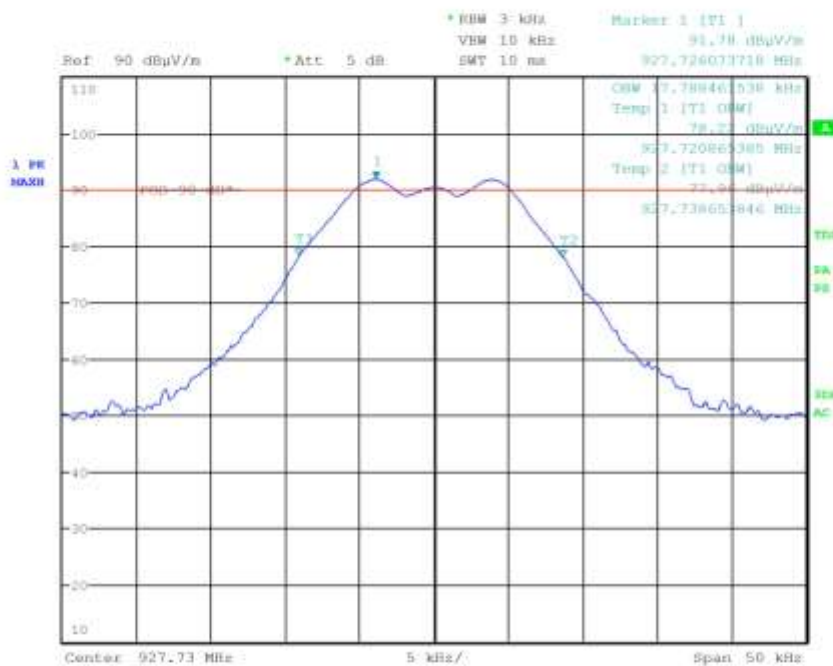
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA INTERNA
Operator Gandini 13007308
Test Spec
Horiz





G13007309

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA INTERNA
Operator Gandini 13007309
Test Spec

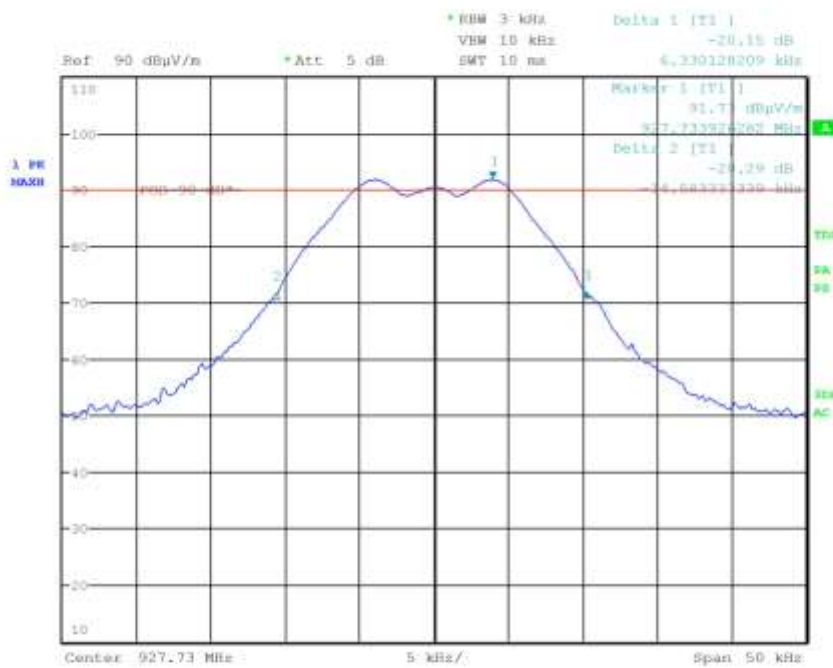


CMC Centro Misure Compatibilità S.r.l.



G13007310

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA INTERNA
Operator Gandini 13007310
Test Spec

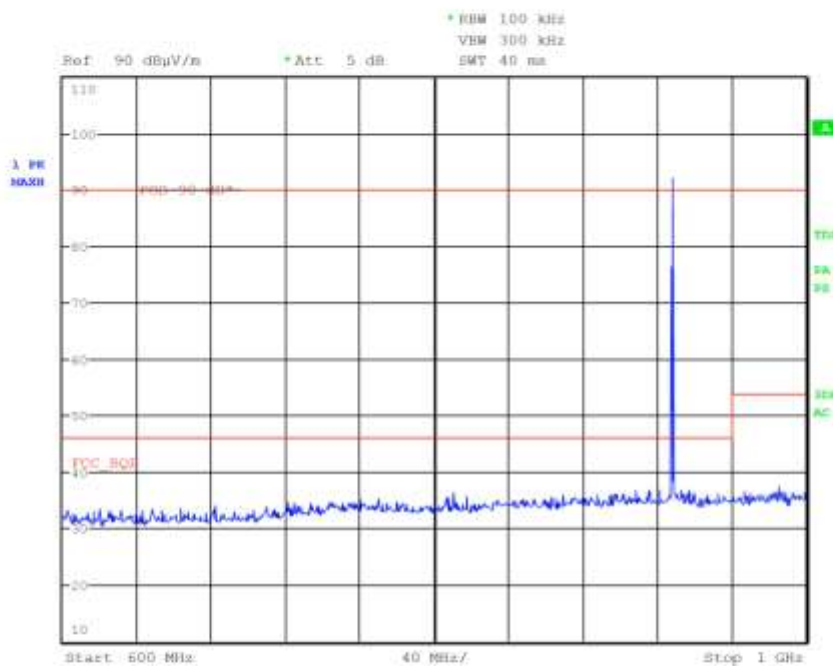


CMC Centro Misure Compatibilità S.r.l.



G13007311

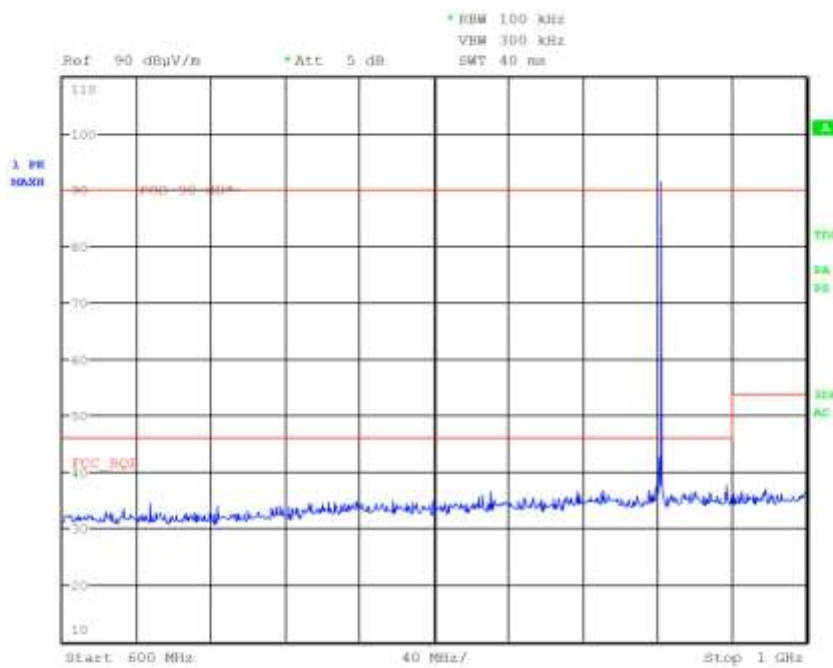
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA INTERNA
Operator Gandini 13007311
Test Spec





G13007312

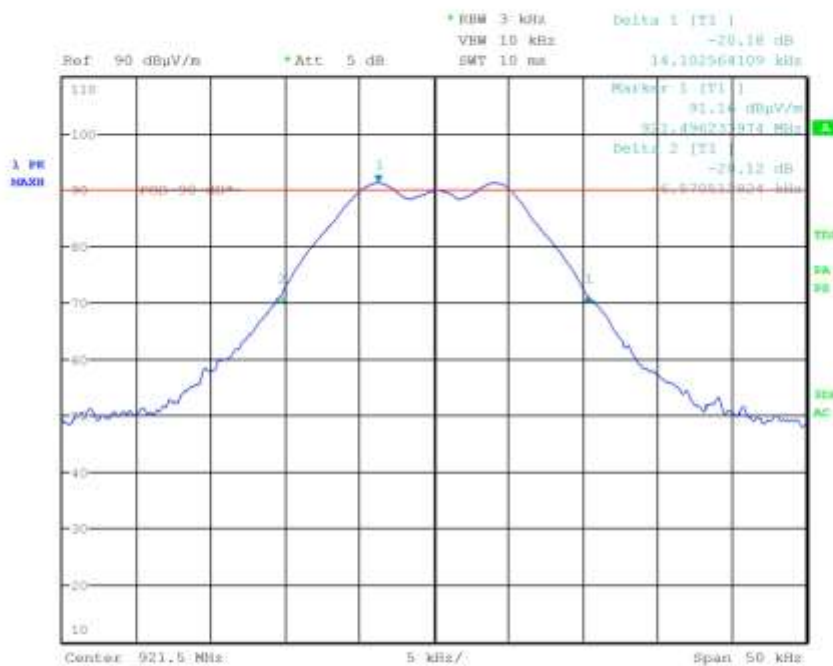
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA INTERNA
Operator Gandini 13007312
Test Spec





G13007313

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA INTERNA
Operator Gandini 13007313
Test Spec

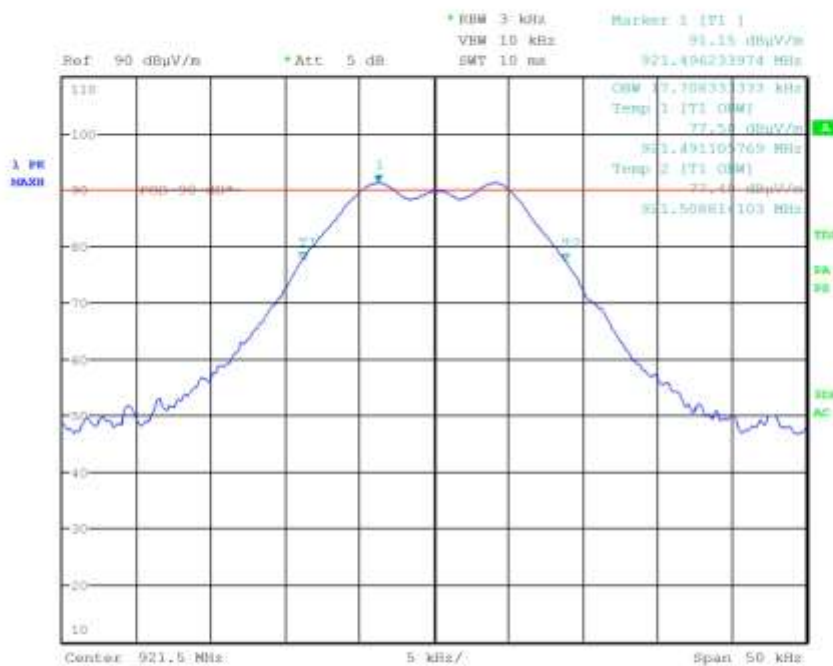


CMC Centro Misure Compatibilità S.r.l.



G13007314

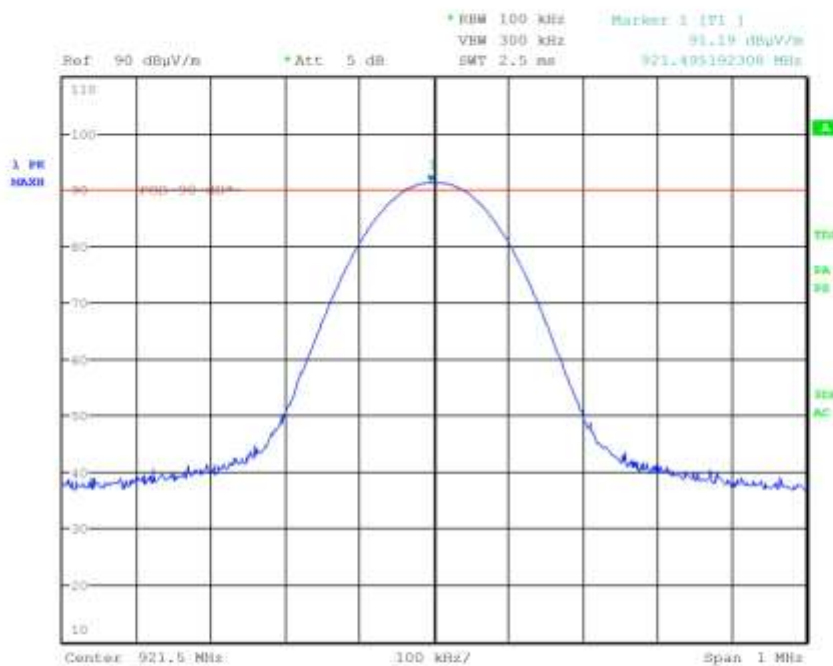
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA INTERNA
Operator Gandini 13007314
Test Spec





G13007315

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA INTERNA
Operator Gandini 13007315
Test Spec
Vert

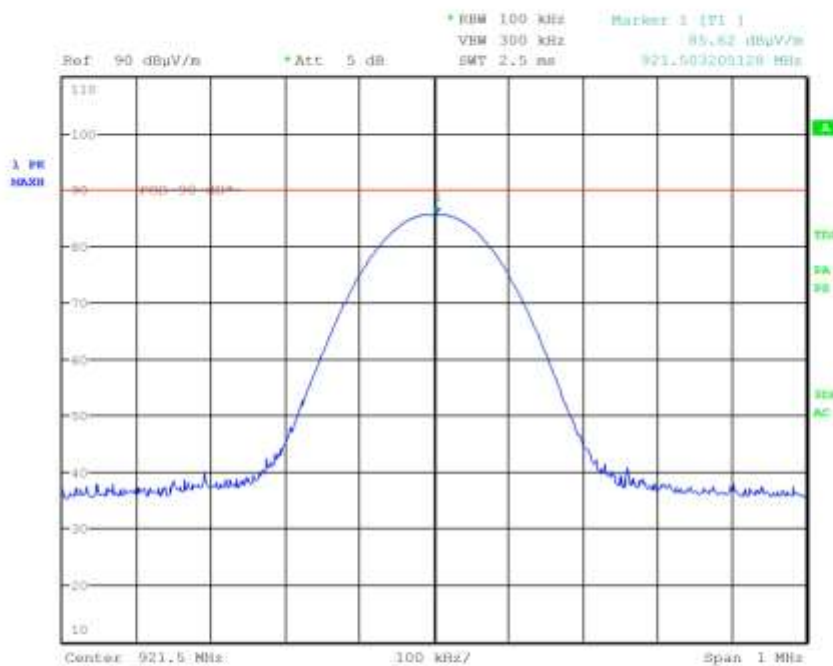


CMC Centro Misure Compatibilità S.r.l.



G13007316

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA INTERNA
Operator Gandini 13007316
Test Spec
Horiz

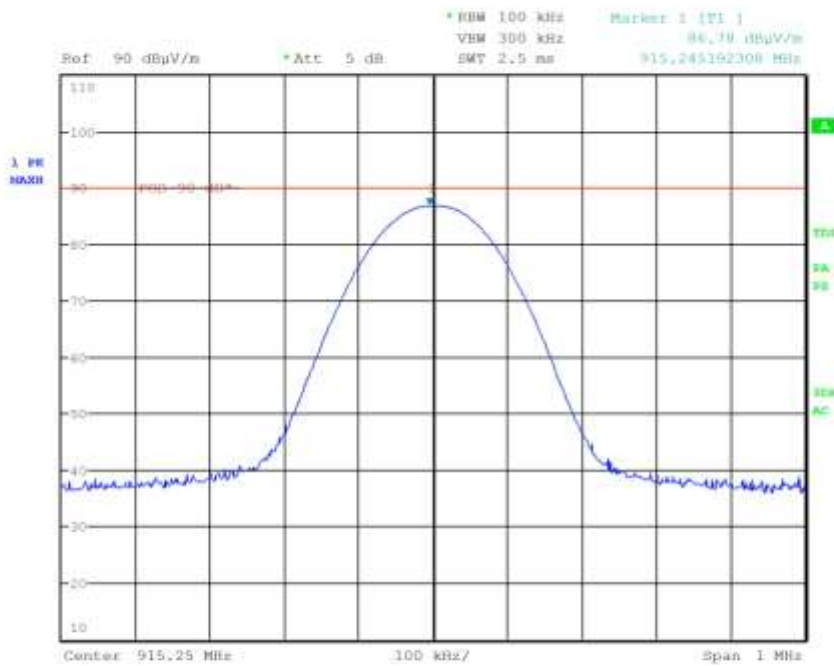


CMC Centro Misure Compatibilità S.r.l.



G13007317

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA INTERNA
Operator Gandini 13007317
Test Spec
Horiz

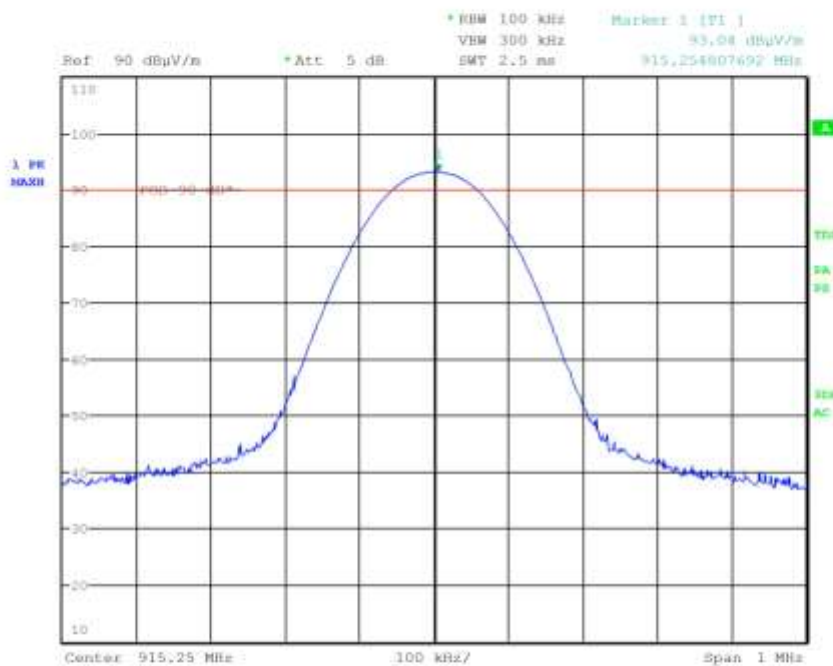


CMC Centro Misure Compatibilità S.r.l.



G13007318

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA INTERNA
Operator Gandini 13007318
Test Spec
Vert

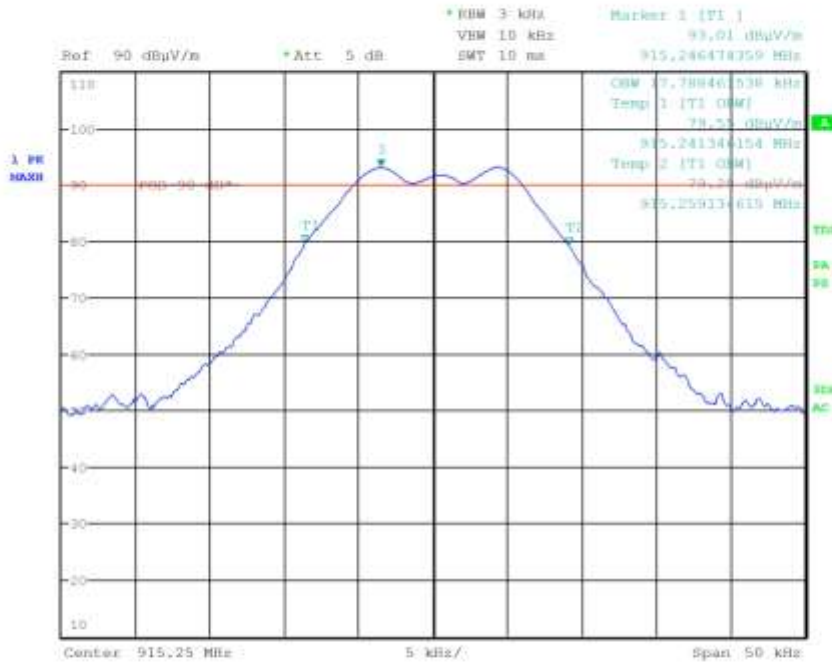


CMC Centro Misure Compatibilità S.r.l.



G13007319

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA INTERNA
Operator Gandini 13007319
Test Spec

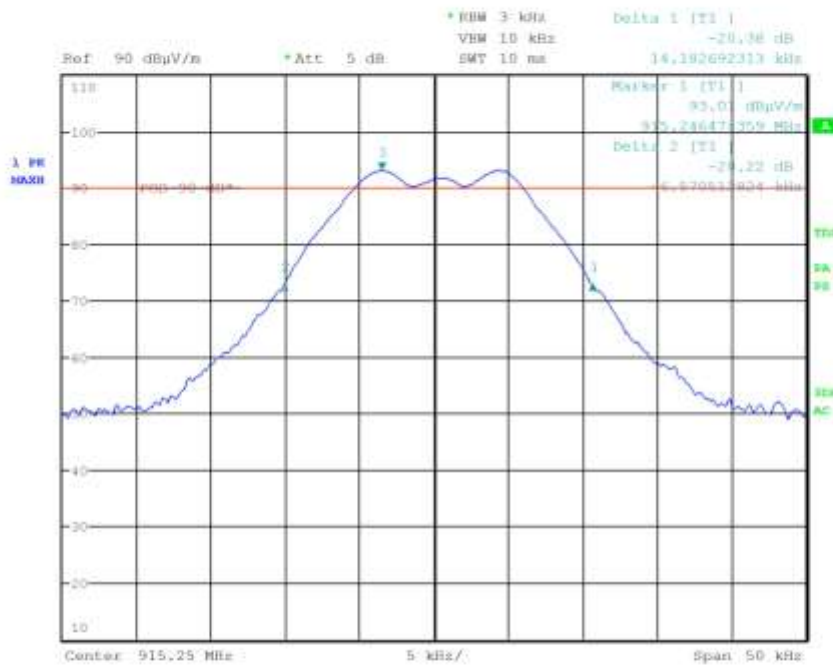


CMC Centro Misure Compatibilità S.r.l.



G13007320

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA INTERNA
Operator Gandini 13007320
Test Spec

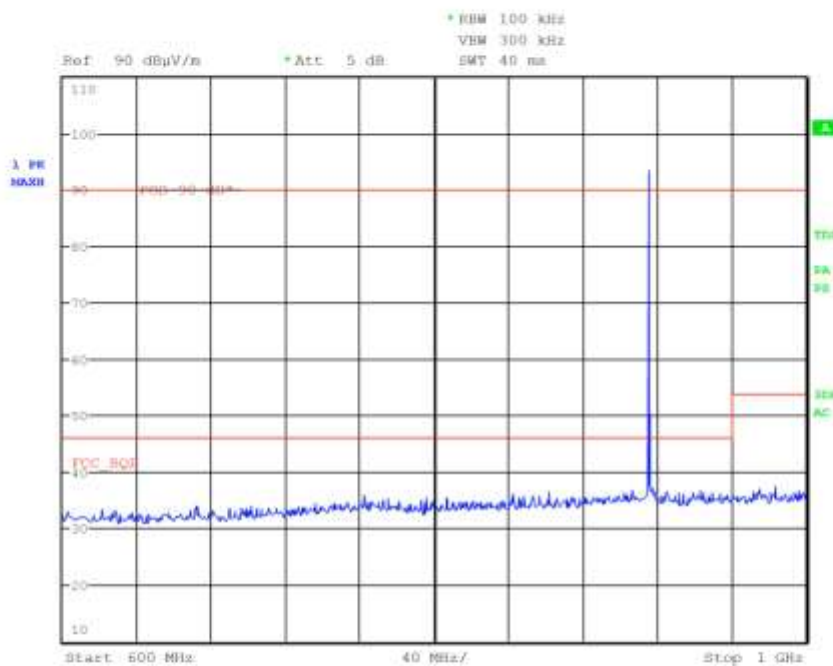


CMC Centro Misure Compatibilità S.r.l.



G13007321

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA INTERNA
Operator Gandini 13007321
Test Spec

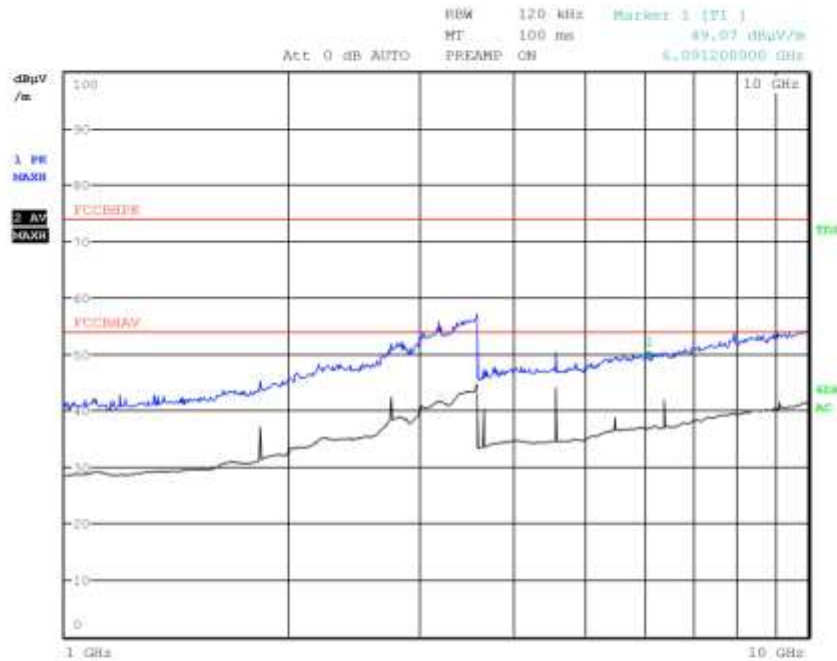


CMC Centro Misure Compatibilità S.r.l.



G13007322

Meas Type Emission 1000-6000MHz
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA INTERNA
Operator Gandini 13007322
Test Spec
Horiz



Final Measurement

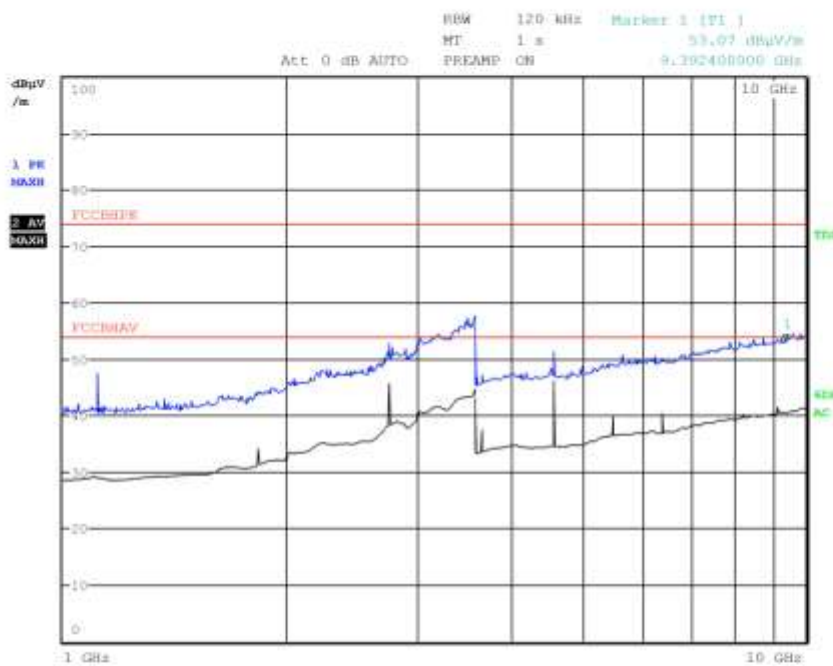
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007323

Meas Type Emission 1000-6000MHz
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA INTERNA
Operator Gandini 13007323
Test Spec
Vert



Final Measurement

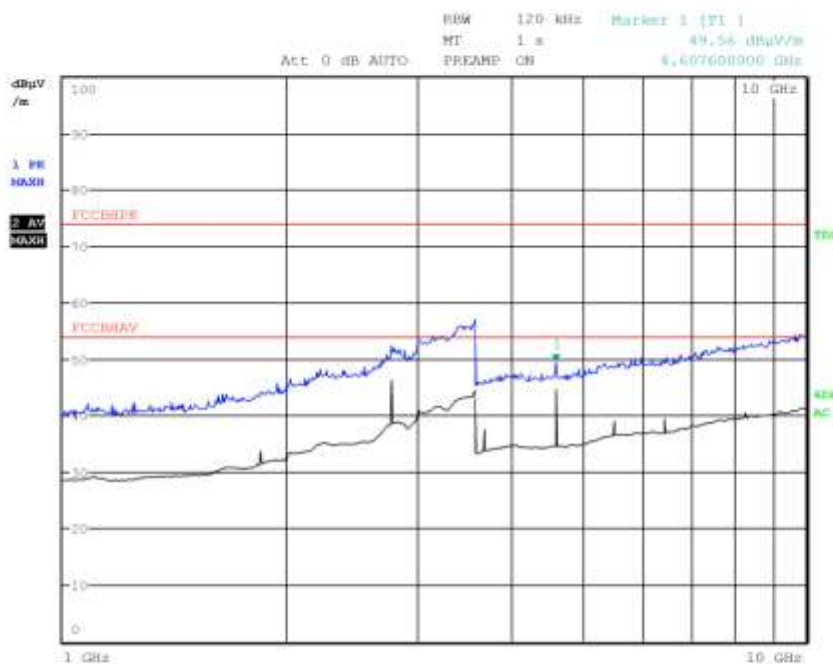
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007324

Meas Type Emission 1000-6000MHz
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA INTERNA
Operator Gandini 13007324
Test Spec
Vert



Final Measurement

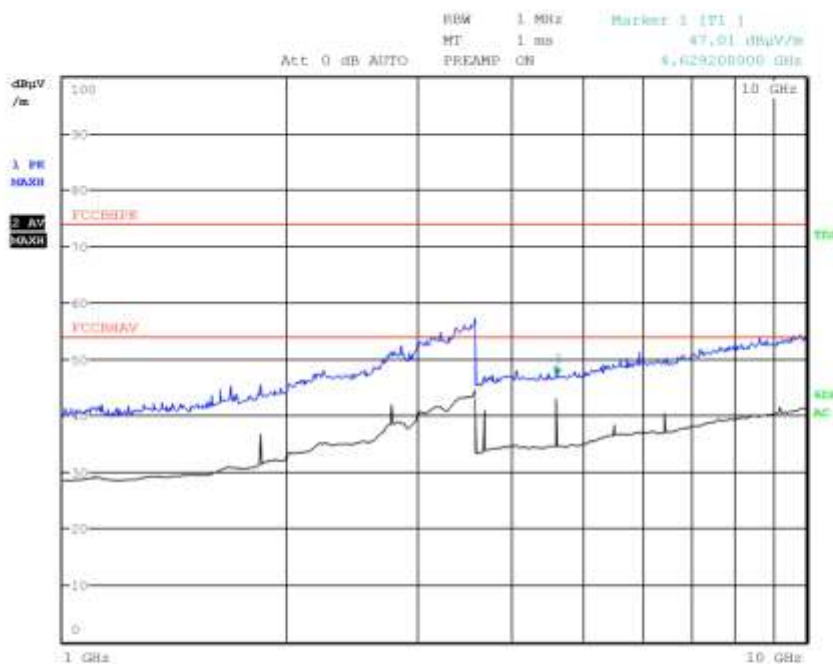
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007325

Meas Type Emission 1000-6000MHz
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA INTERNA
Operator Gandini 13007325
Test Spec
Horiz



Final Measurement

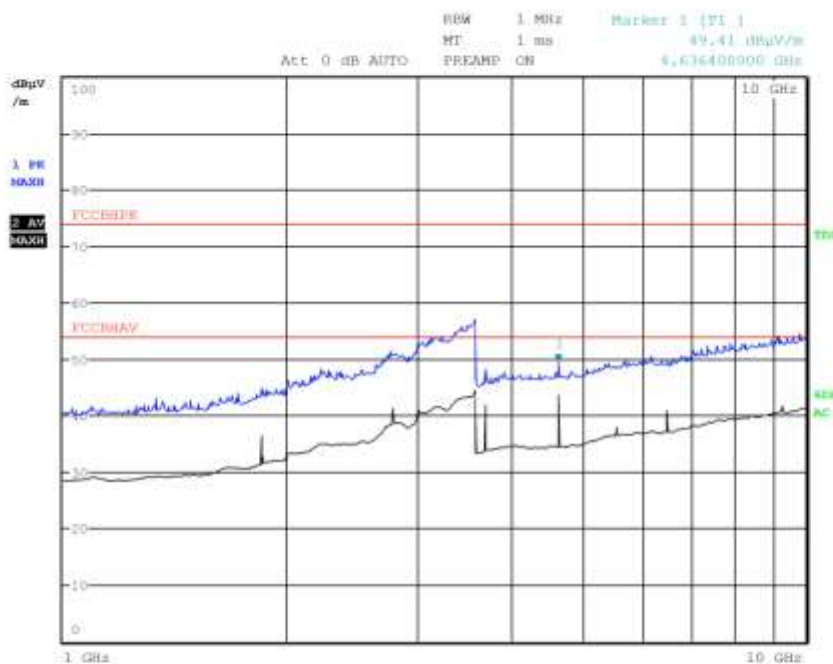
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007326

Meas Type Emission 1000-6000MHz
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA INTERNA
Operator Gandini 13007326
Test Spec
Horiz



Final Measurement

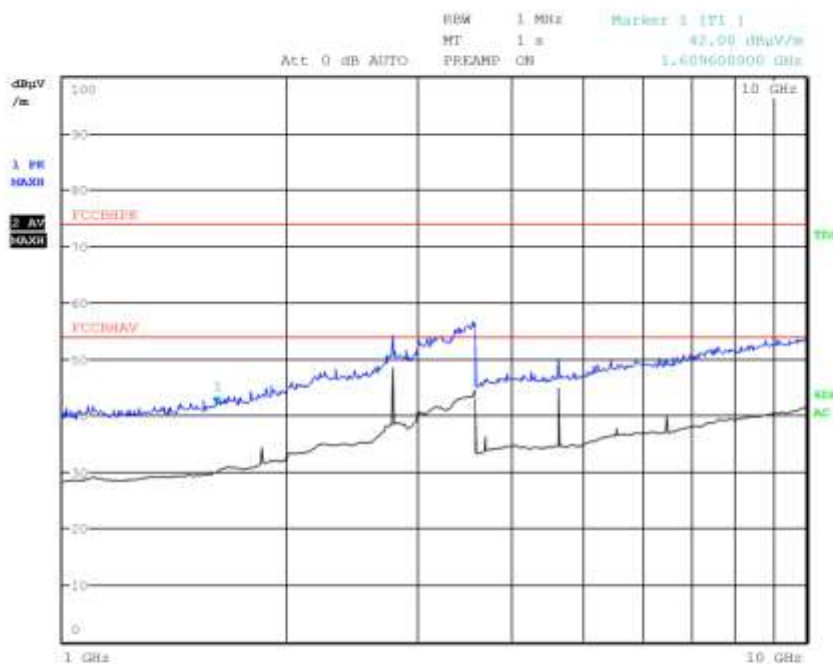
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007327

Meas Type Emission 1000-6000MHz
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA INTERNA
Operator Gandini 13007327
Test Spec
Vert



Final Measurement

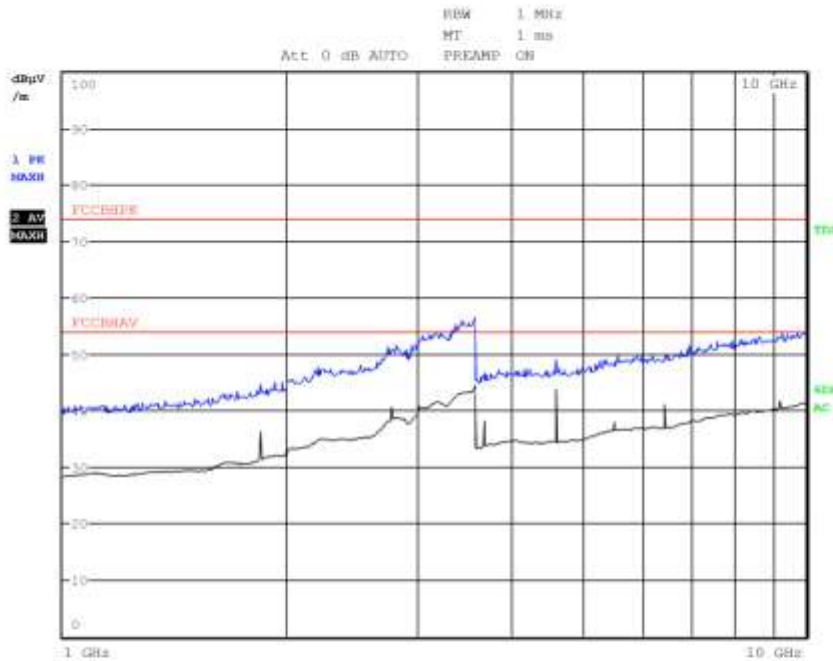
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007328

Meas Type Emission 1000-6000MHz
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA ESTERNA
Operator Gandini 13007328
Test Spec
Horiz



Final Measurement

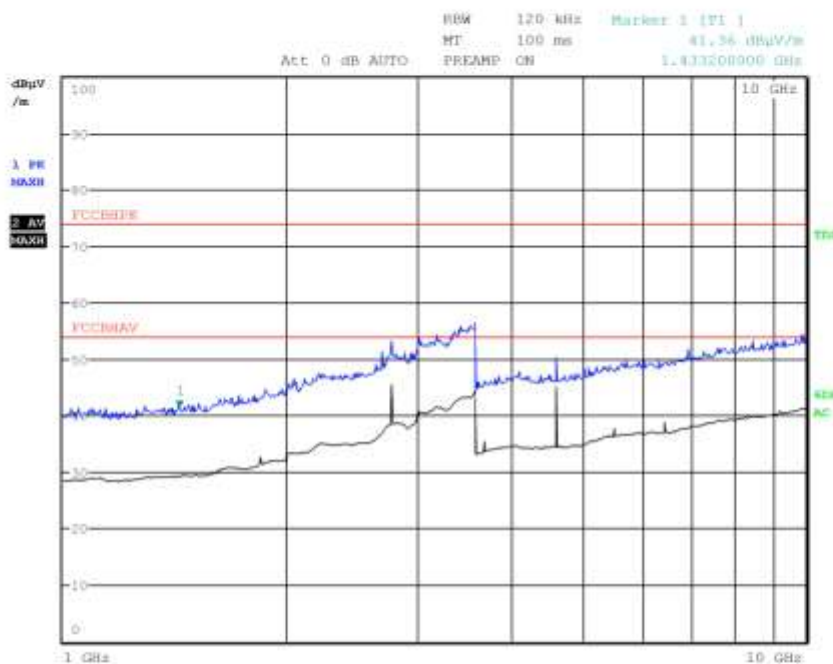
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007329

Meas Type Emission 1000-6000MHz
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA ESTERNA
Operator Gandini 13007329
Test Spec
Vert



Final Measurement

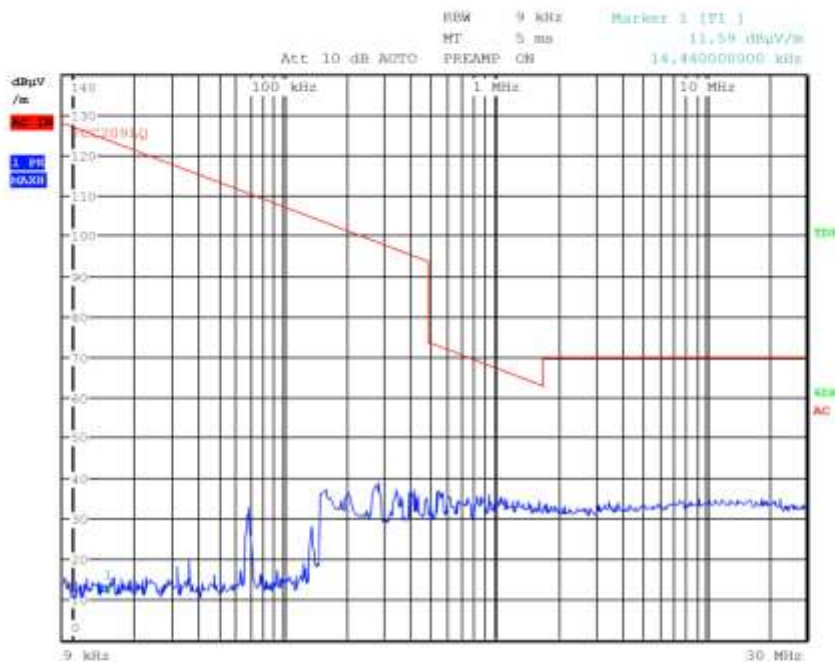
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007330

Meas Type Emission 0.009-30MHz
Equipment under Test
Manufacturer
OP Condition TX - ANTENNA ESTERNA
Operator Gandini 13007330
Test Spec
 Loop



Final Measurement

Meas Time: 1 s
 Margin: 6 dB
 Subranges: 8

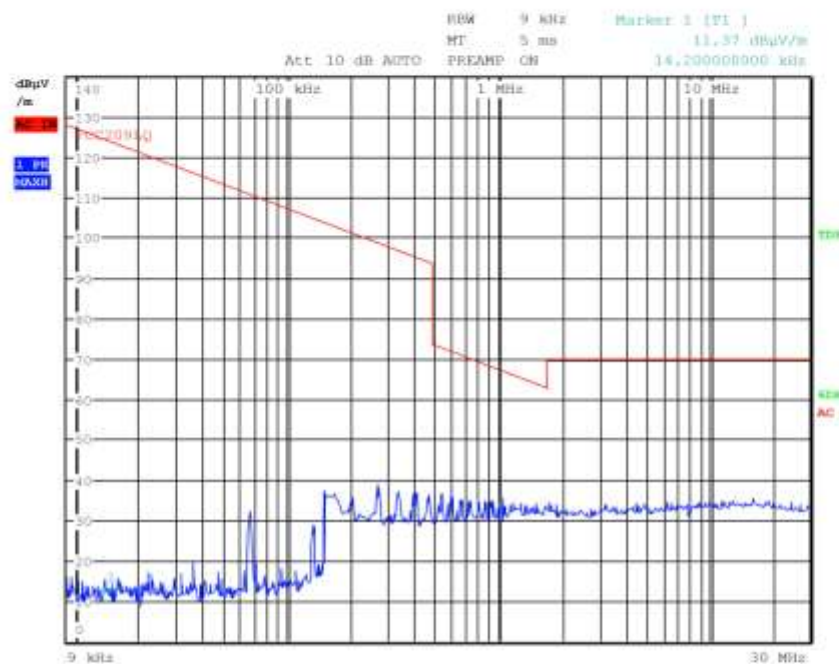
Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	6.778000000 MHz	27.77	Quasi Peak	-12.05
1	8.314000000 MHz	27.67	Quasi Peak	-11.34
1	9.534000000 MHz	27.74	Quasi Peak	-10.74
1	12.406000000 MHz	28.01	Quasi Peak	-9.44
1	15.662000000 MHz	28.11	Quasi Peak	-8.43
1	16.934000000 MHz	27.86	Quasi Peak	-8.37
1	20.802000000 MHz	27.40	Quasi Peak	-8.03
1	24.910000000 MHz	26.77	Quasi Peak	-7.95

CMC Centro Misure Compatibilità S.r.l.



G13007331

Meas Type Emission 0.009-30MHz
Equipment under Test
Manufacturer
OP Condition TX - ANTENNA INTERNA
Operator Gandini 13007331
Test Spec
 Loop



Final Measurement

Meas Time: 1 s
 Margin: 6 dB
 Subranges: 8

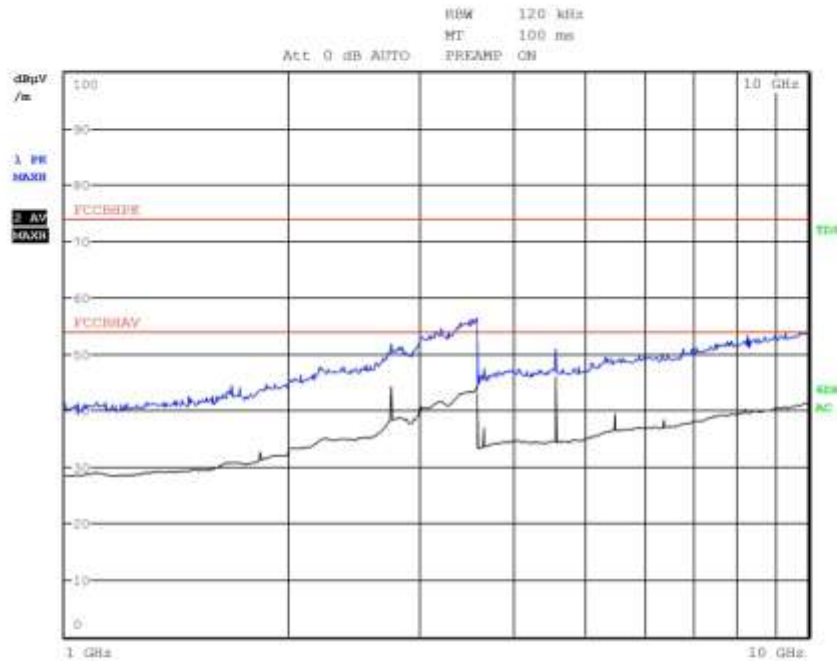
Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	6.778000000 MHz	27.77	Quasi Peak	-12.05
1	8.314000000 MHz	27.67	Quasi Peak	-11.34
1	9.534000000 MHz	27.74	Quasi Peak	-10.74
1	12.406000000 MHz	28.01	Quasi Peak	-9.44
1	15.662000000 MHz	28.11	Quasi Peak	-8.43
1	16.934000000 MHz	27.86	Quasi Peak	-8.37
1	20.802000000 MHz	27.40	Quasi Peak	-8.03
1	24.910000000 MHz	26.77	Quasi Peak	-7.95

CMC Centro Misure Compatibilità S.r.l.



G13007332

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA ESTERNA
Operator Gandini 13007332
Test Spec
 Vert



Final Measurement

Meas Time: 1 s
 Margin: 6 dB
 Subranges: 8

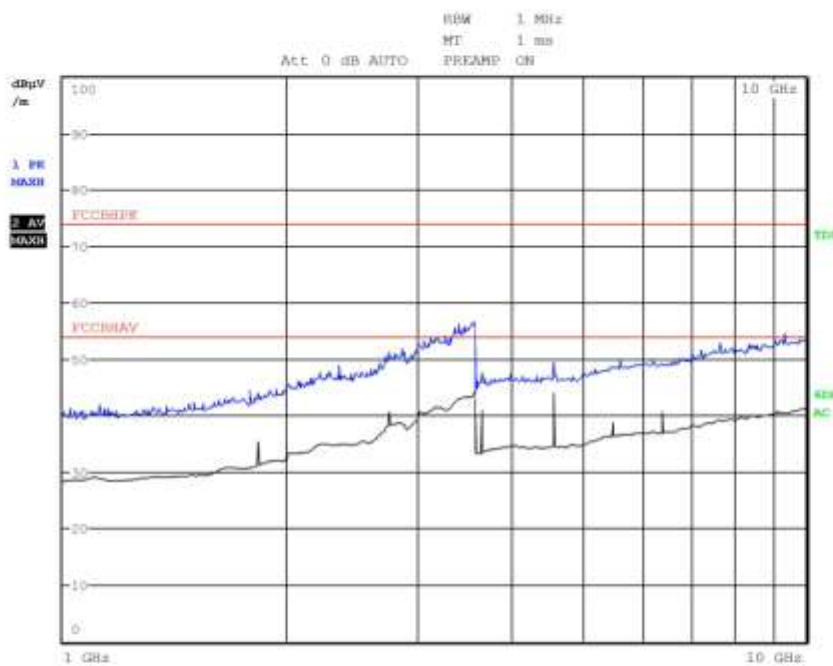
Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	6.778000000 MHz	27.77	Quasi Peak	-12.05
1	8.314000000 MHz	27.67	Quasi Peak	-11.34
1	9.534000000 MHz	27.74	Quasi Peak	-10.74
1	12.406000000 MHz	28.01	Quasi Peak	-9.44
1	15.662000000 MHz	28.11	Quasi Peak	-8.43
1	16.934000000 MHz	27.86	Quasi Peak	-8.37
1	20.802000000 MHz	27.40	Quasi Peak	-8.03
1	24.910000000 MHz	26.77	Quasi Peak	-7.95

CMC Centro Misure Compatibilità S.r.l.



G13007333

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA ESTERNA
Operator Gandini 13007333
Test Spec
 Horiz



Final Measurement

Meas Time: 1 s
 Margin: 6 dB
 Subranges: 8

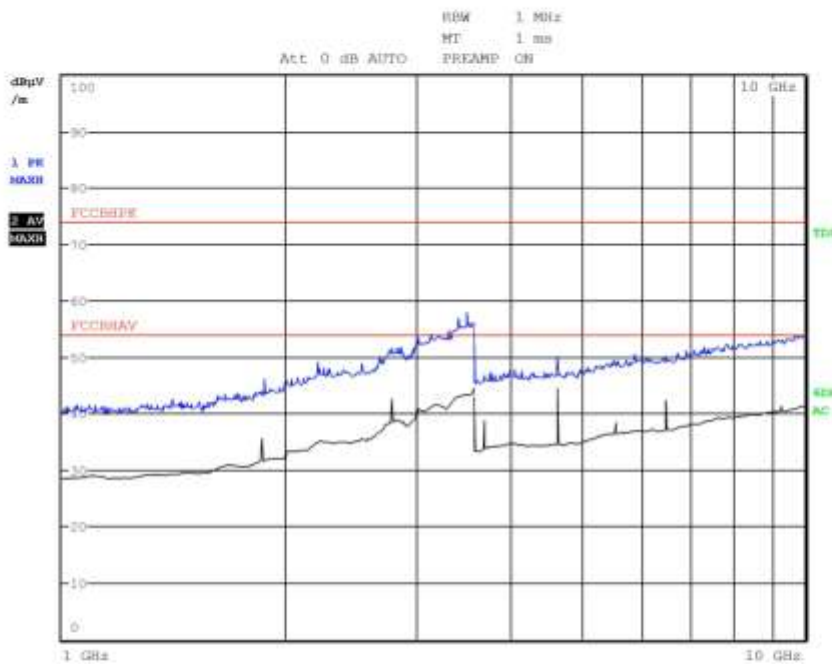
Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	6.778000000 MHz	27.77	Quasi Peak	-12.05
1	8.314000000 MHz	27.67	Quasi Peak	-11.34
1	9.534000000 MHz	27.74	Quasi Peak	-10.74
1	12.406000000 MHz	28.01	Quasi Peak	-9.44
1	15.662000000 MHz	28.11	Quasi Peak	-8.43
1	16.934000000 MHz	27.86	Quasi Peak	-8.37
1	20.802000000 MHz	27.40	Quasi Peak	-8.03
1	24.910000000 MHz	26.77	Quasi Peak	-7.95

CMC Centro Misure Compatibilità S.r.l.



G13007334

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA ESTERNA
Operator Gandini 13007334
Test Spec
 Horiz



Final Measurement

Meas Time: 1 s
 Margin: 6 dB
 Subranges: 8

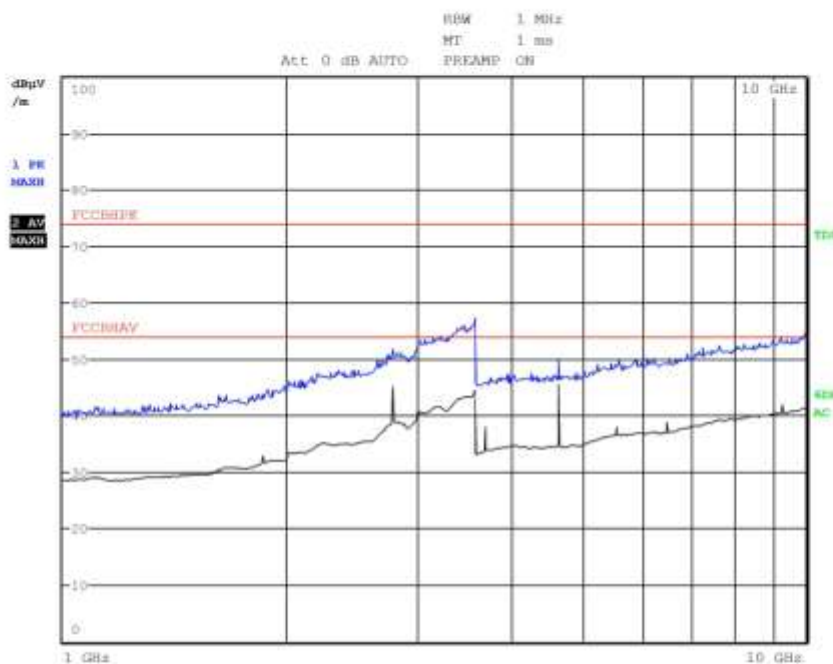
Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	6.778000000 MHz	27.77	Quasi Peak	-12.05
1	8.314000000 MHz	27.67	Quasi Peak	-11.34
1	9.534000000 MHz	27.74	Quasi Peak	-10.74
1	12.406000000 MHz	28.01	Quasi Peak	-9.44
1	15.662000000 MHz	28.11	Quasi Peak	-8.43
1	16.934000000 MHz	27.86	Quasi Peak	-8.37
1	20.802000000 MHz	27.40	Quasi Peak	-8.03
1	24.910000000 MHz	26.77	Quasi Peak	-7.95

CMC Centro Misure Compatibilità S.r.l.



G13007335

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA ESTERNA
Operator Gandini 13007335
Test Spec
 Vert



Final Measurement

Meas Time: 1 s
 Margin: 6 dB
 Subranges: 8

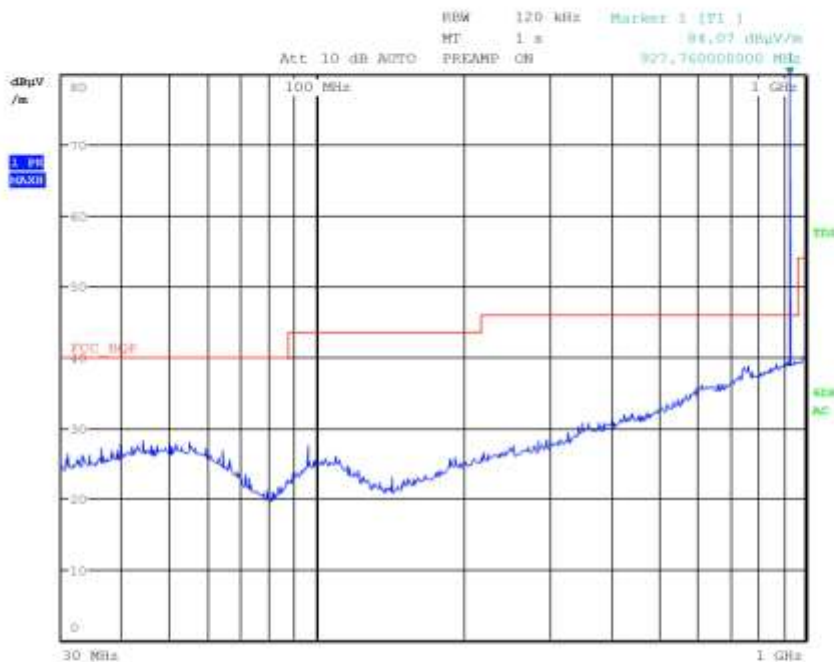
Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	6.778000000 MHz	27.77	Quasi Peak	-12.05
1	8.314000000 MHz	27.67	Quasi Peak	-11.34
1	9.534000000 MHz	27.74	Quasi Peak	-10.74
1	12.406000000 MHz	28.01	Quasi Peak	-9.44
1	15.662000000 MHz	28.11	Quasi Peak	-8.43
1	16.934000000 MHz	27.86	Quasi Peak	-8.37
1	20.802000000 MHz	27.40	Quasi Peak	-8.03
1	24.910000000 MHz	26.77	Quasi Peak	-7.95

CMC Centro Misure Compatibilità S.r.l.



G13007336

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA ESTERNA
Operator Gandini 13007336
Test Spec
 Horiz



Final Measurement

Meas Time: 1 s
 Margin: 6 dB
 Subranges: 8

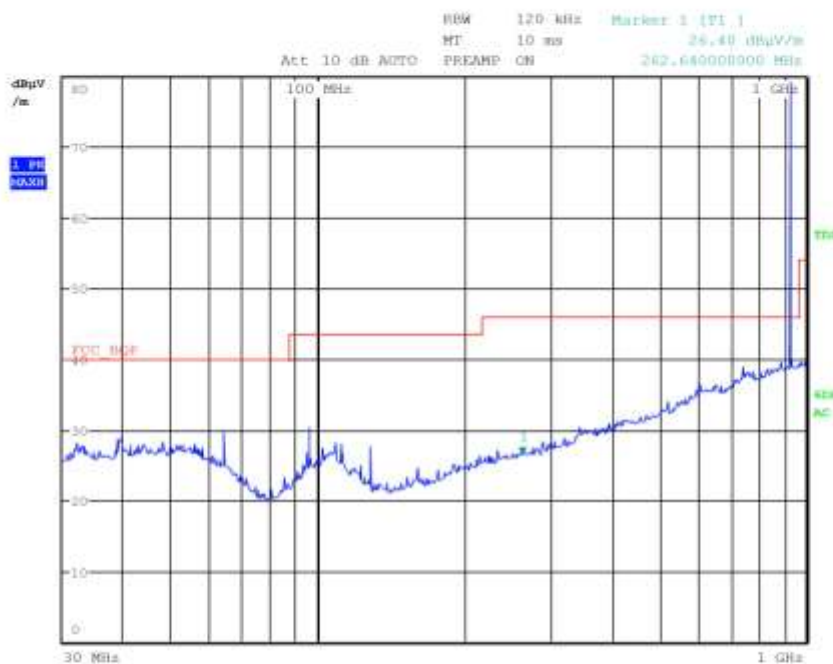
Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	6.778000000 MHz	27.77	Quasi Peak	-12.05
1	8.314000000 MHz	27.67	Quasi Peak	-11.34
1	9.534000000 MHz	27.74	Quasi Peak	-10.74
1	12.406000000 MHz	28.01	Quasi Peak	-9.44
1	15.662000000 MHz	28.11	Quasi Peak	-8.43
1	16.934000000 MHz	27.86	Quasi Peak	-8.37
1	20.802000000 MHz	27.40	Quasi Peak	-8.03
1	24.910000000 MHz	26.77	Quasi Peak	-7.95

CMC Centro Misure Compatibilità S.r.l.



G13007337

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA ESTERNA
Operator Gandini 13007337
Test Spec
Vert



Final Measurement

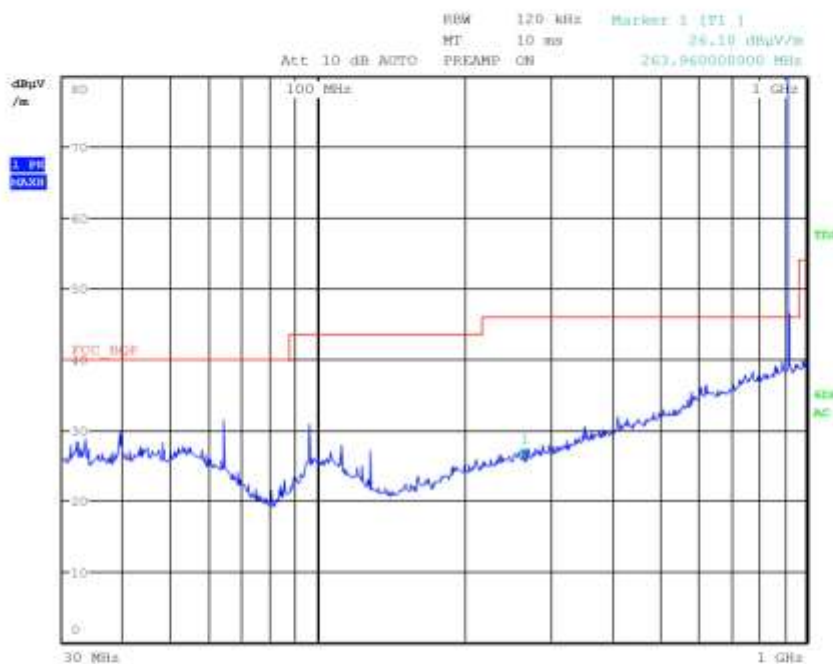
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007338

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA ESTERNA
Operator Gandini 13007338
Test Spec
Vert



Final Measurement

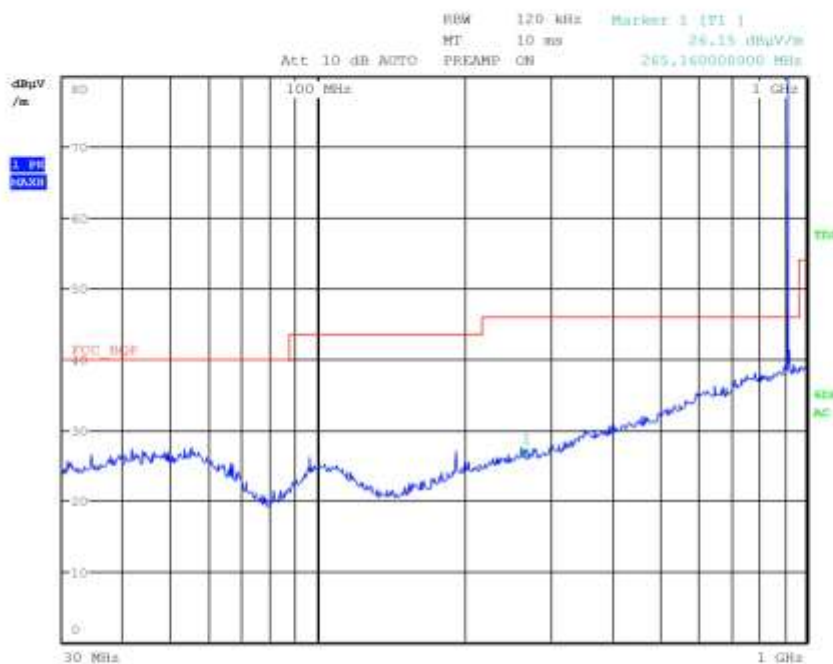
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007339

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA ESTERNA
Operator Gandini 13007339
Test Spec
Horiz



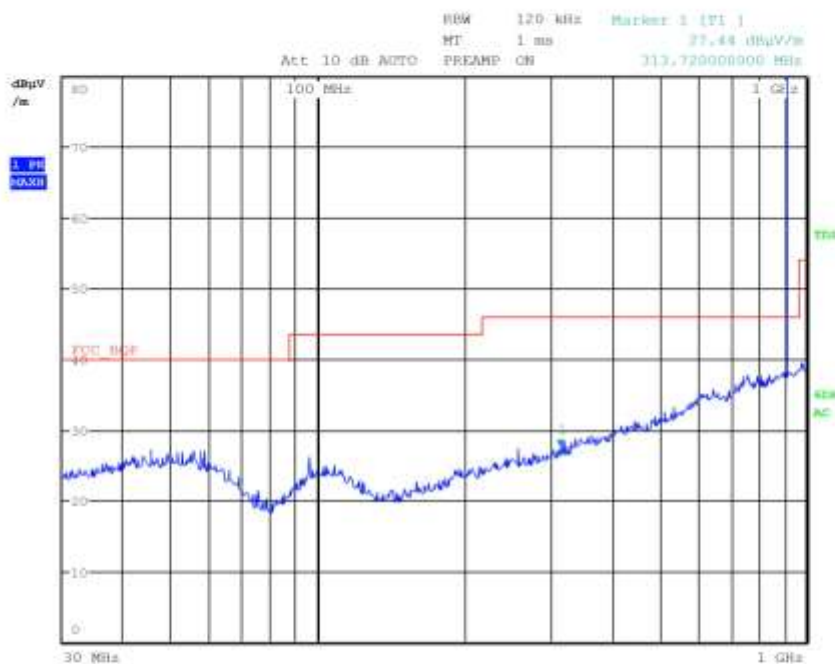
Final Measurement

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



G13007340

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA ESTERNA
Operator Gandini 13007340
Test Spec
Horiz



Final Measurement

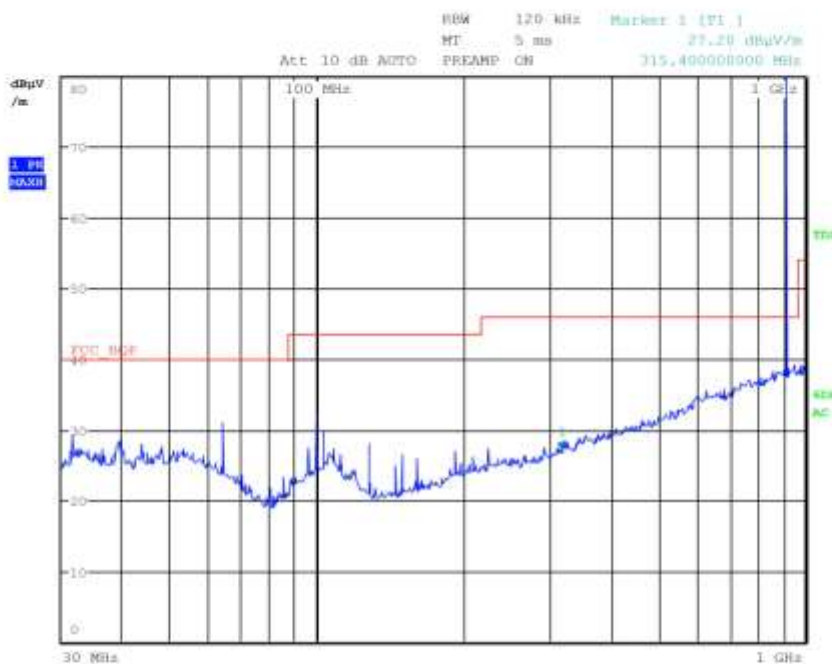
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007341

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA ESTERNA
Operator Gandini 13007341
Test Spec
Vert



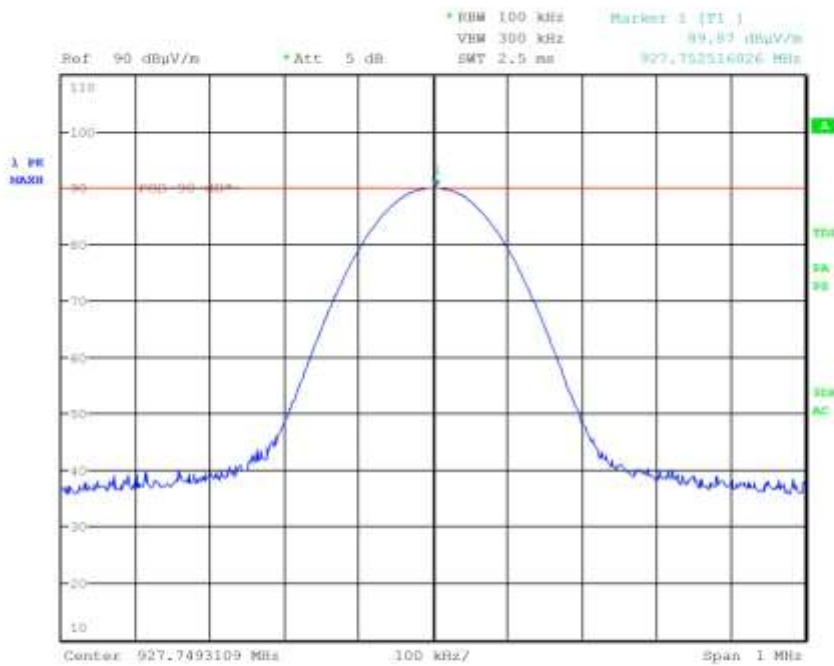
Final Measurement

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



G13007342

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA ESTERNA
Operator Gandini 13007342
Test Spec
Vert

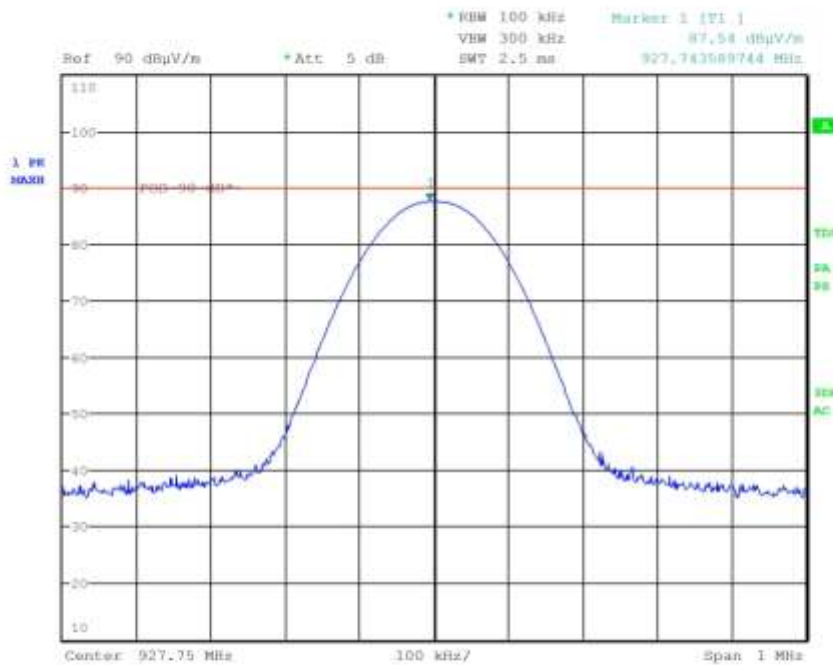


CMC Centro Misure Compatibilità S.r.l.



G13007343

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA ESTERNA
Operator Gandini 13007343
Test Spec
Horiz

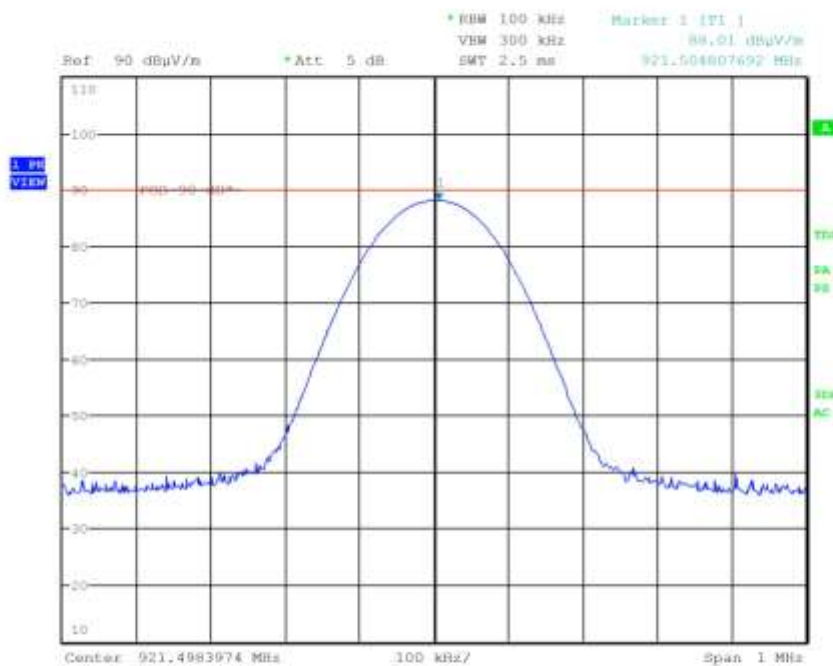


CMC Centro Misure Compatibilità S.r.l.



G13007344

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA ESTERNA
Operator Gandini 13007344
Test Spec
Horiz

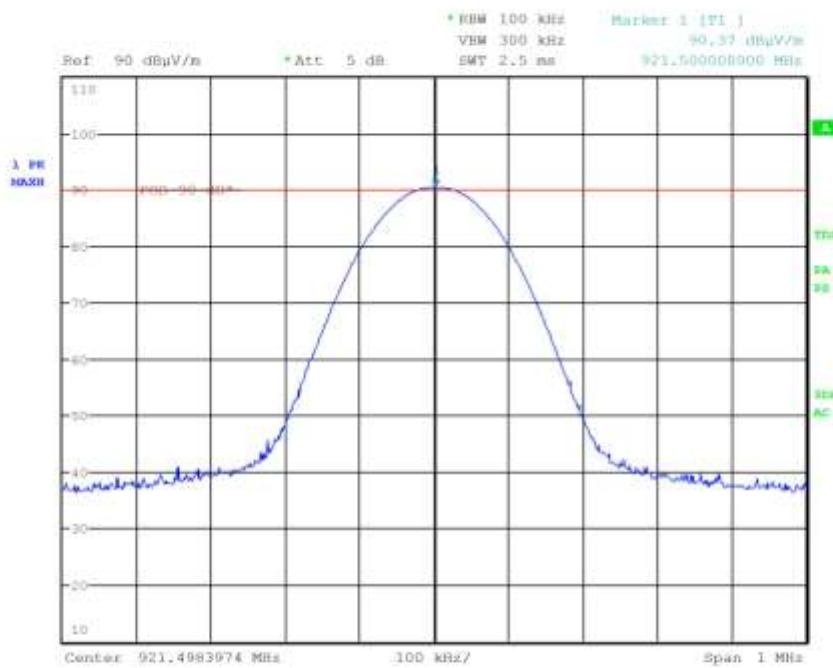


CMC Centro Misure Compatibilità S.r.l.



G13007345

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA ESTERNA
Operator Gandini 13007345
Test Spec
Vert

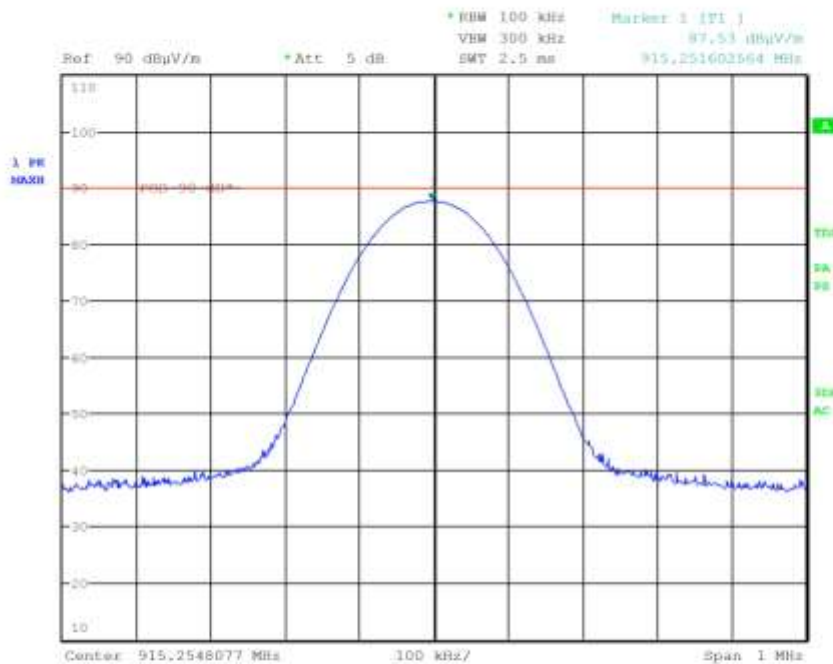


CMC Centro Misure Compatibilità S.r.l.



G13007346

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA ESTERNA
Operator Gandini 13007346
Test Spec
Vert

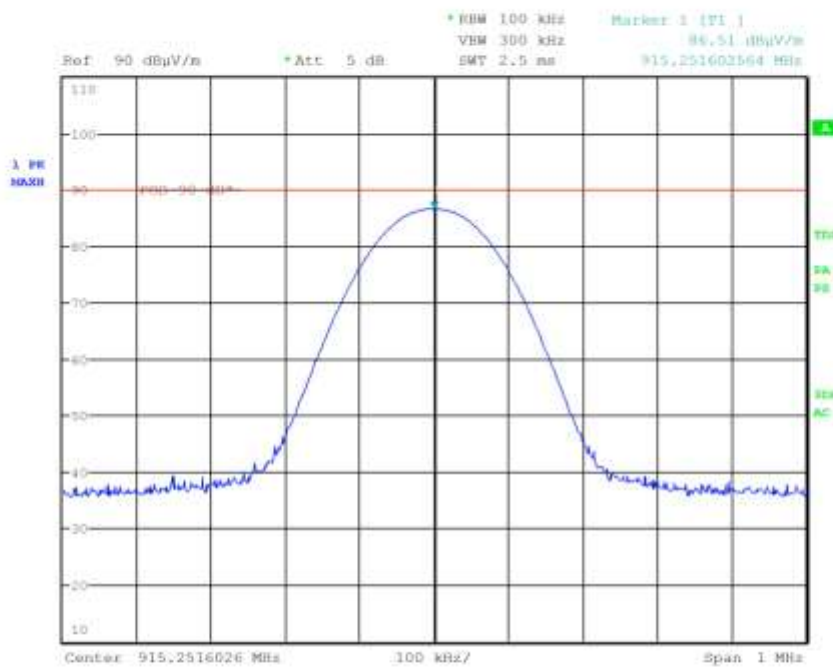


CMC Centro Misure Compatibilità S.r.l.



G13007347

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA ESTERNA
Operator Gandini 13007347
Test Spec
Horiz

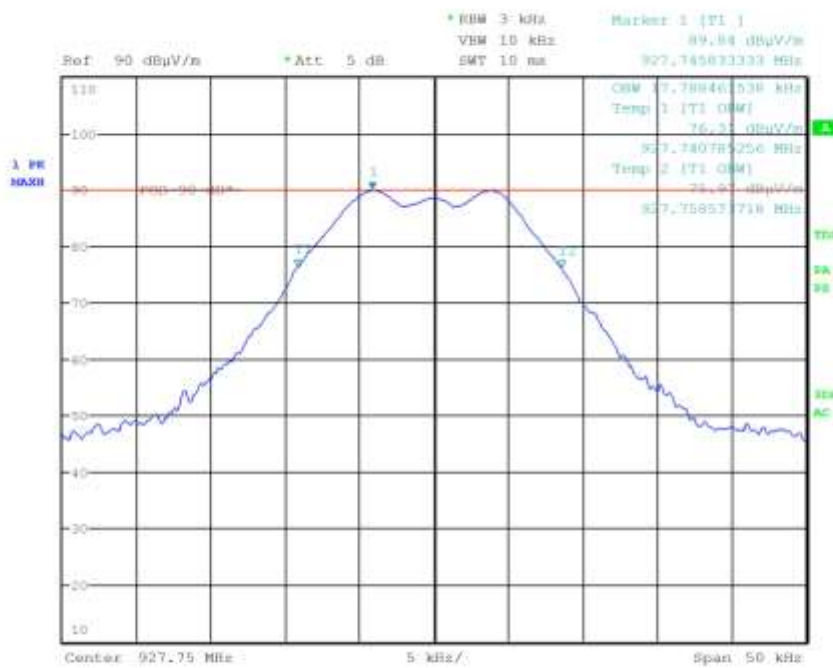


CMC Centro Misure Compatibilità S.r.l.



G13007348

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA ESTERNA
Operator Gandini 13007348
Test Spec

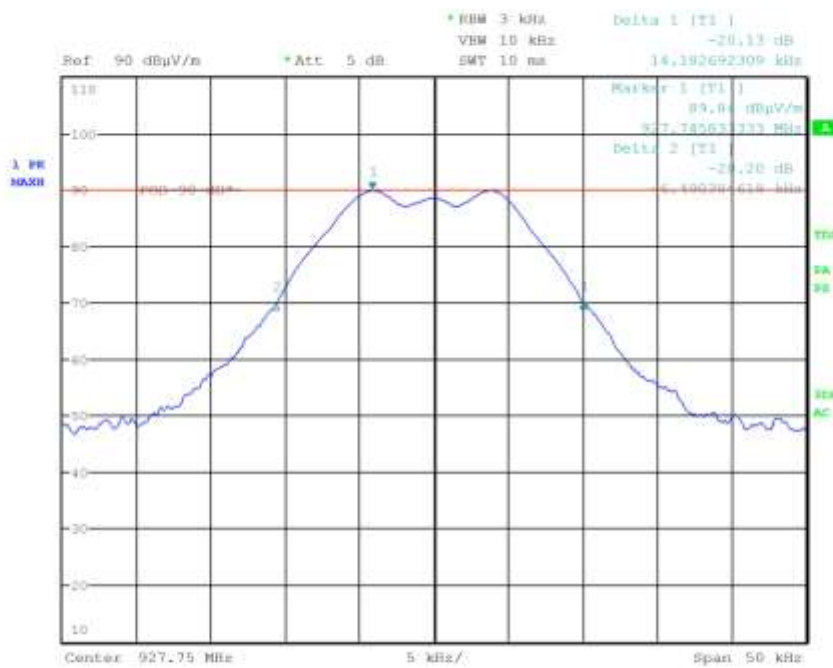


CMC Centro Misure Compatibilità S.r.l.



G13007349

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA ESTERNA
Operator Gandini 13007349
Test Spec

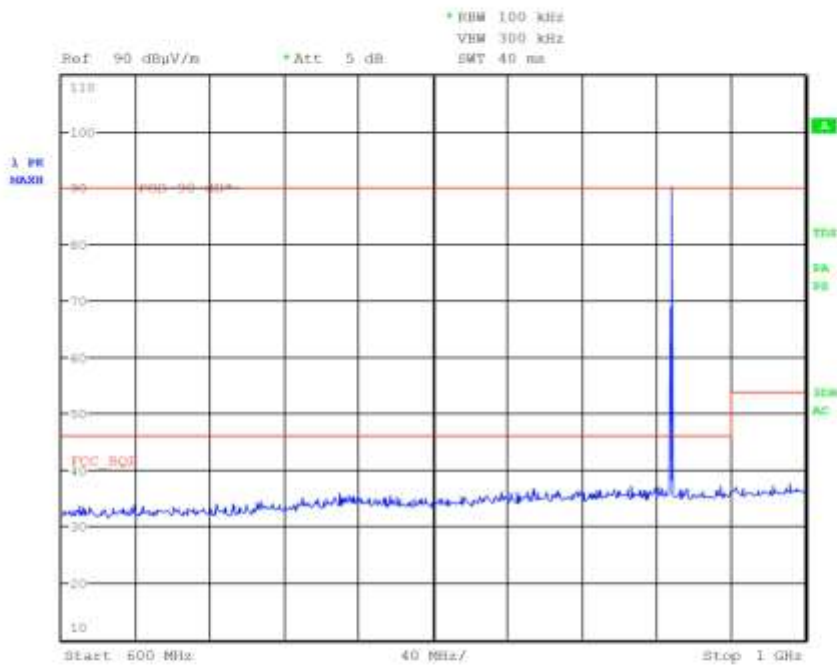


CMC Centro Misure Compatibilità S.r.l.



G13007350

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MAX - ANTENNA ESTERNA
Operator Gandini 13007350
Test Spec

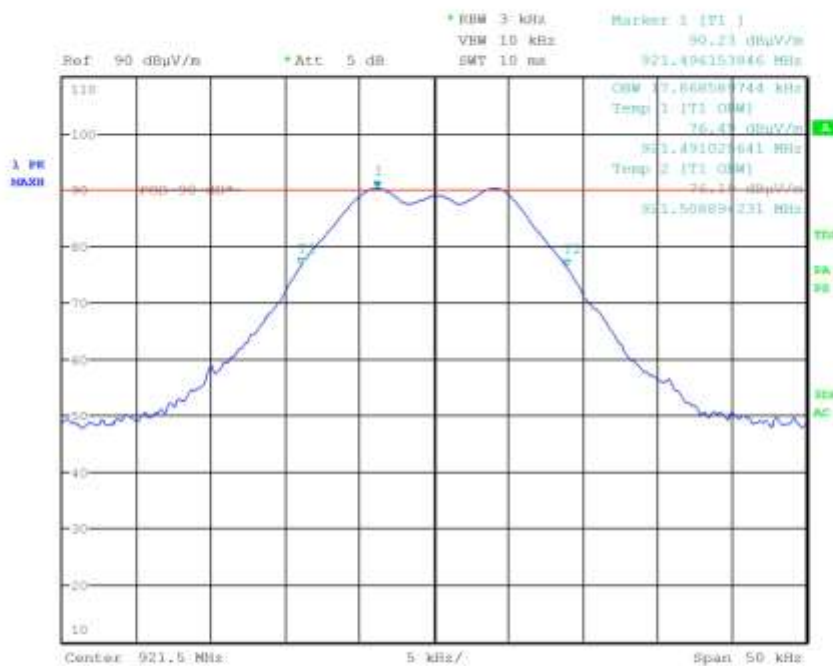


CMC Centro Misure Compatibilità S.r.l.



G13007351

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA ESTERNA
Operator Gandini 13007351
Test Spec

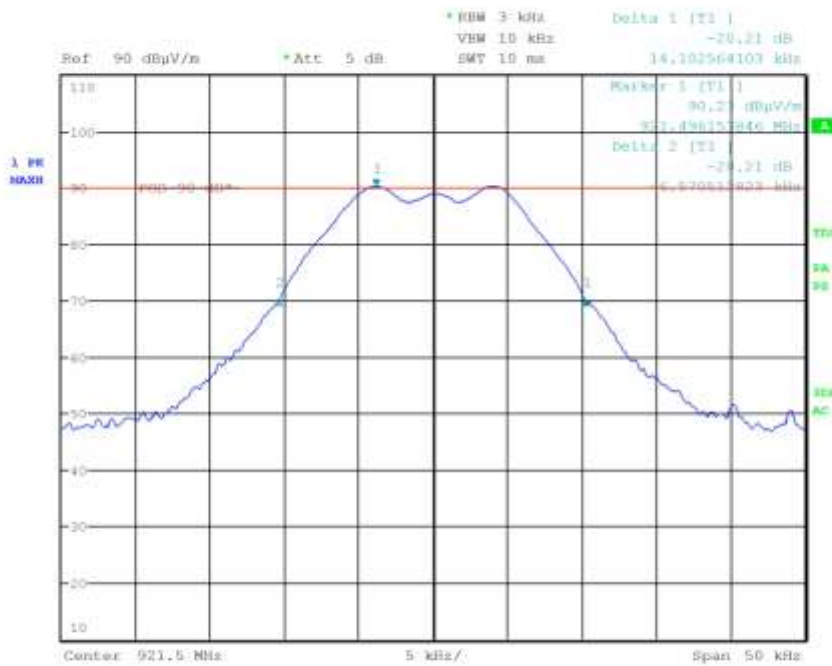


CMC Centro Misure Compatibilità S.r.l.



G13007352

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA ESTERNA
Operator Gandini 13007352
Test Spec

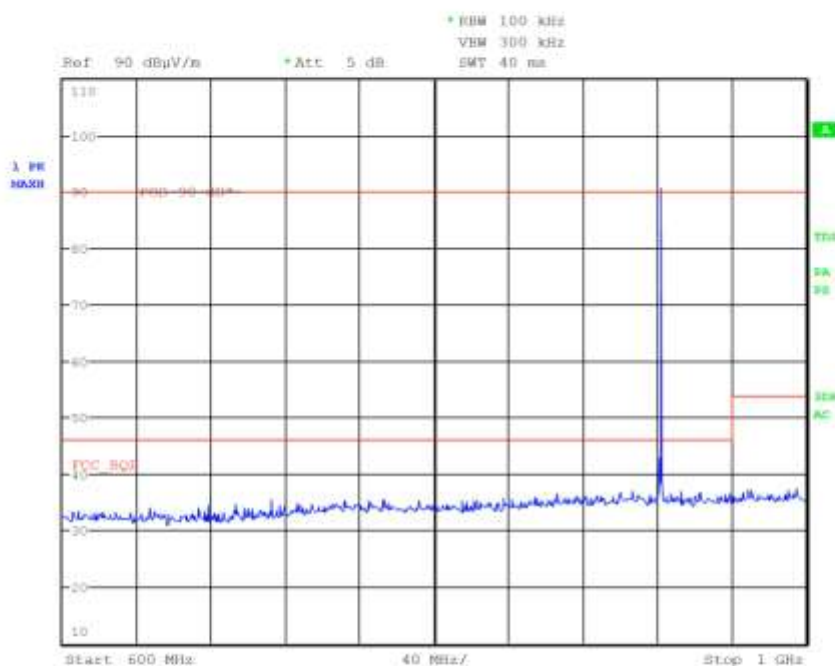


CMC Centro Misure Compatibilità S.r.l.



G13007353

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MED - ANTENNA ESTERNA
Operator Gandini 13007353
Test Spec

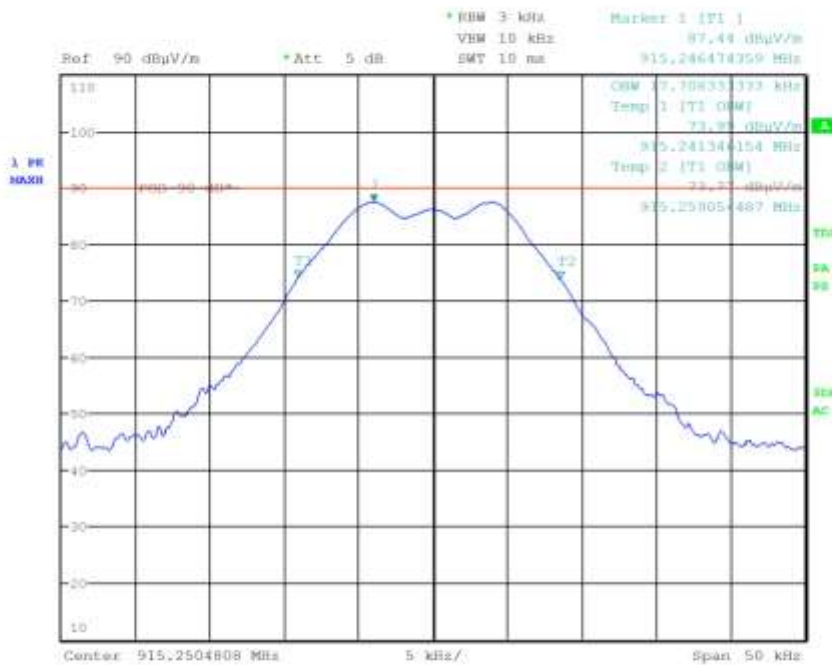


CMC Centro Misure Compatibilità S.r.l.



G13007354

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA ESTERNA
Operator Gandini 13007354
Test Spec

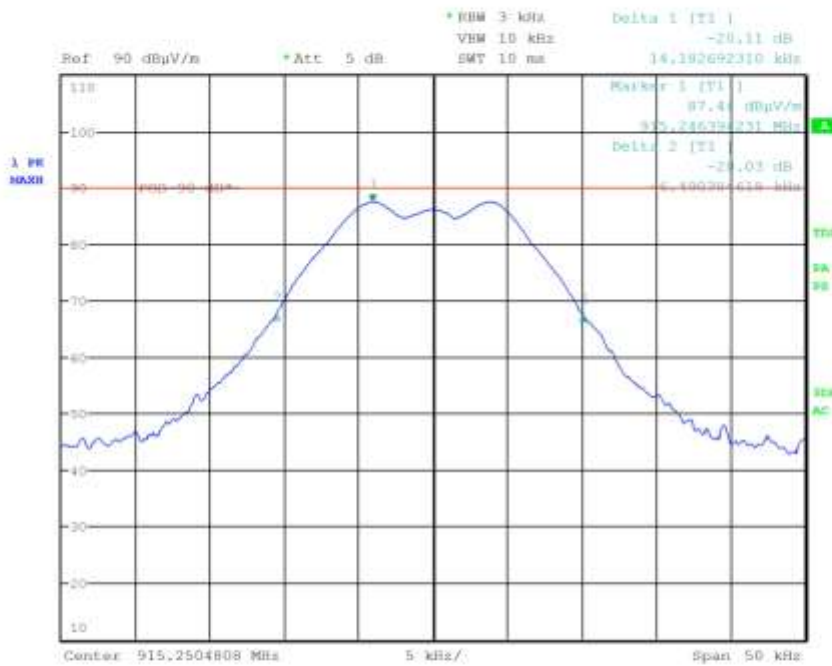


CMC Centro Misure Compatibilità S.r.l.



G13007355

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA ESTERNA
Operator Gandini 13007355
Test Spec

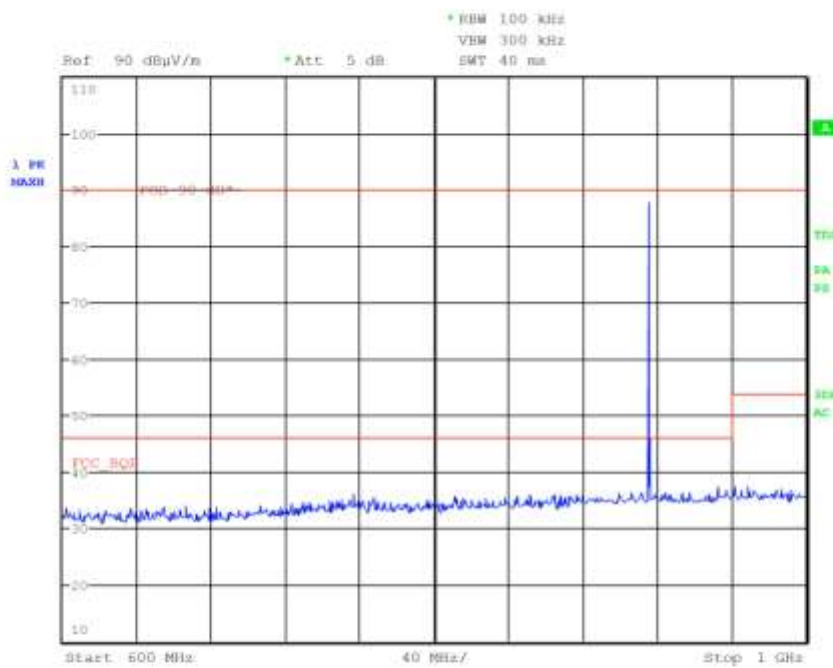


CMC Centro Misure Compatibilità S.r.l.



G13007356

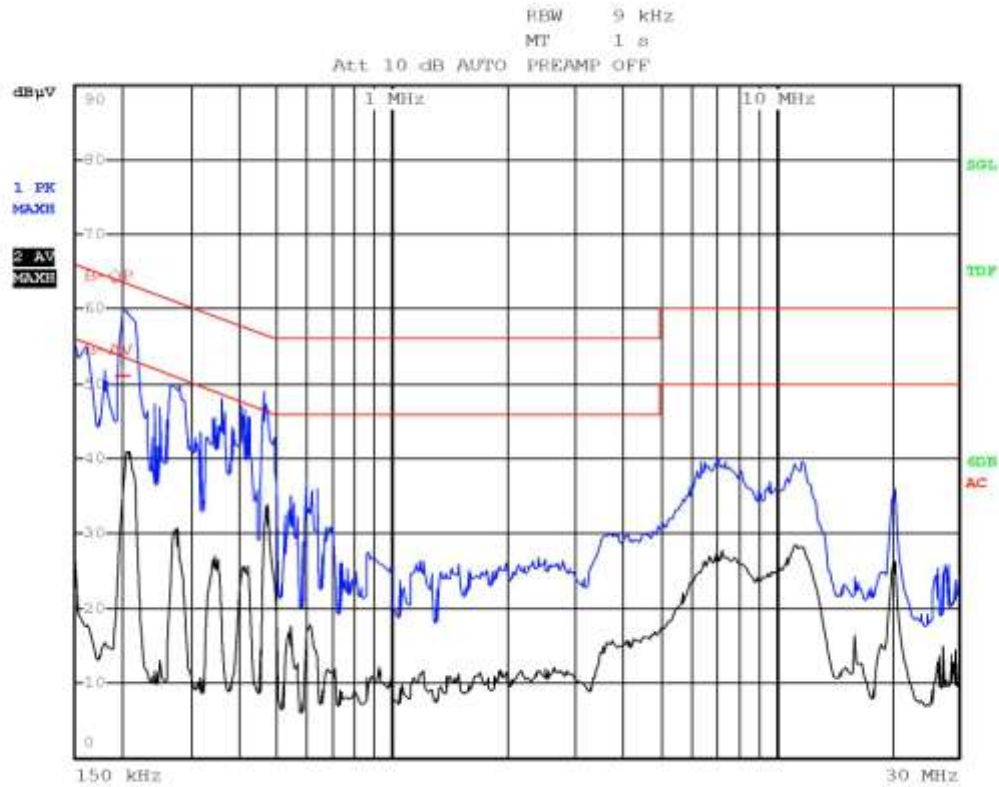
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition F MIN - ANTENNA ESTERNA
Operator Gandini 13007356
Test Spec



CMC Centro Misure Compatibilità S.r.l.



G13007357

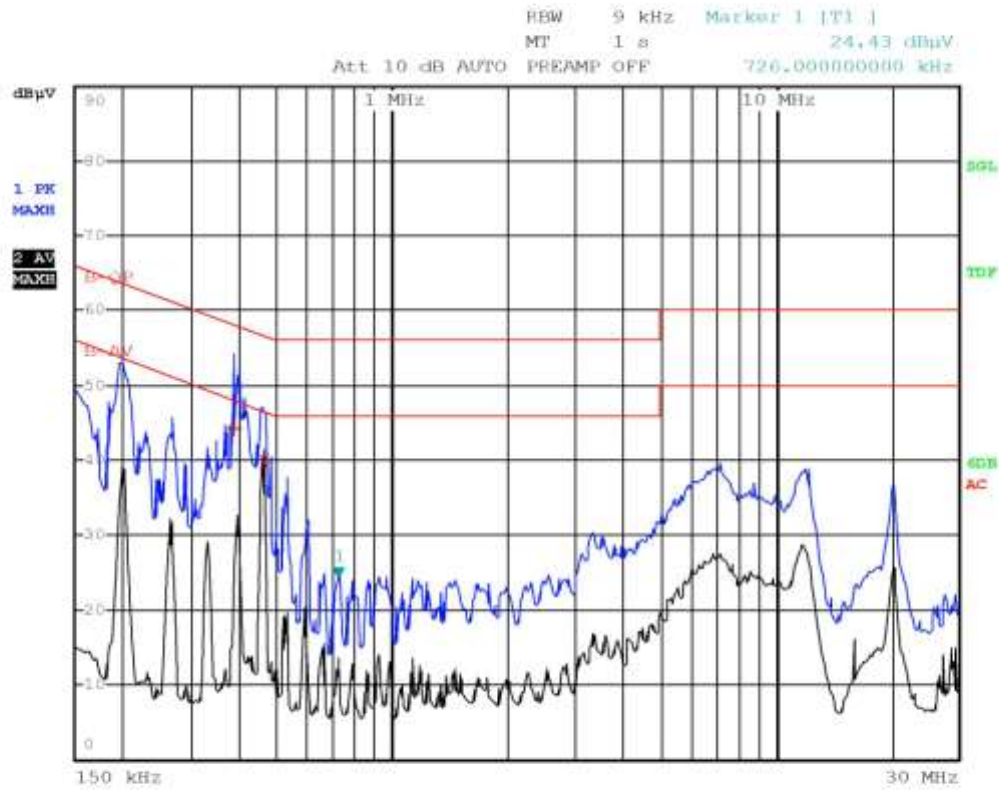


Gandini 13007357-Line L-Tx - ANTENNA ESTERNA

EDIT PEAK LIST (Final Measurement Results)			
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1 Quasi Peak	202 kHz	51.05	-12.47



G13007358

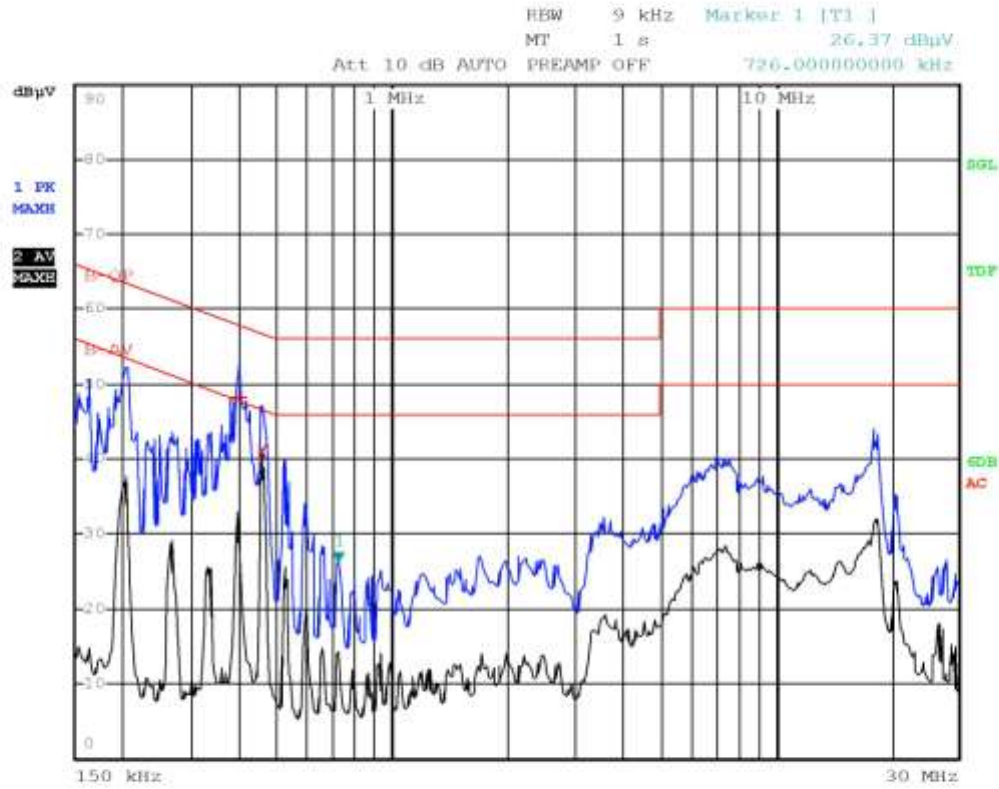


Gandini 13007358-Line N-Tx - ANTENNA ESTERNA

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	B-QP		
Trace2:	B-AV		
Trace3:	---		
TRACK	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	396 kHz	44.19	-13.95
2 Average	462 kHz	39.69	-6.96



G13007359

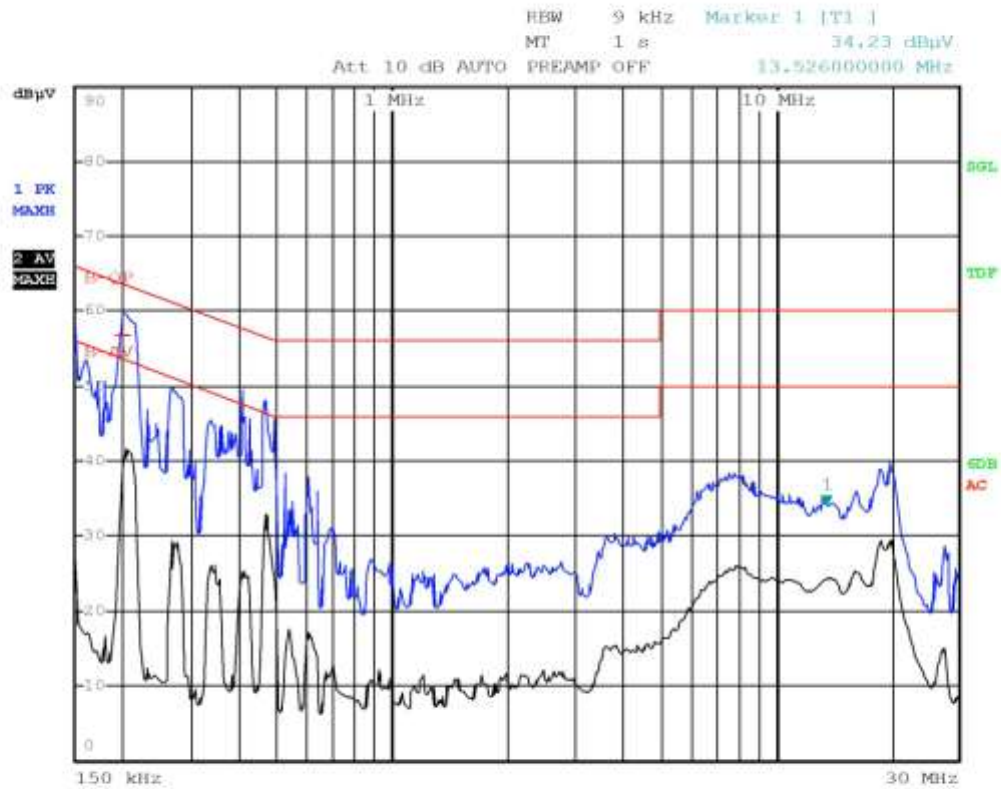


Gandini 13007359-Line N-Tx - ANTENNA INTERNA

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	B-OP		
Trace2:	B-AV		
Trace3:	---		
TRACK	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	398 kHz	40.34	-9.55
2 Average	458 kHz	40.95	-5.77



G13007360



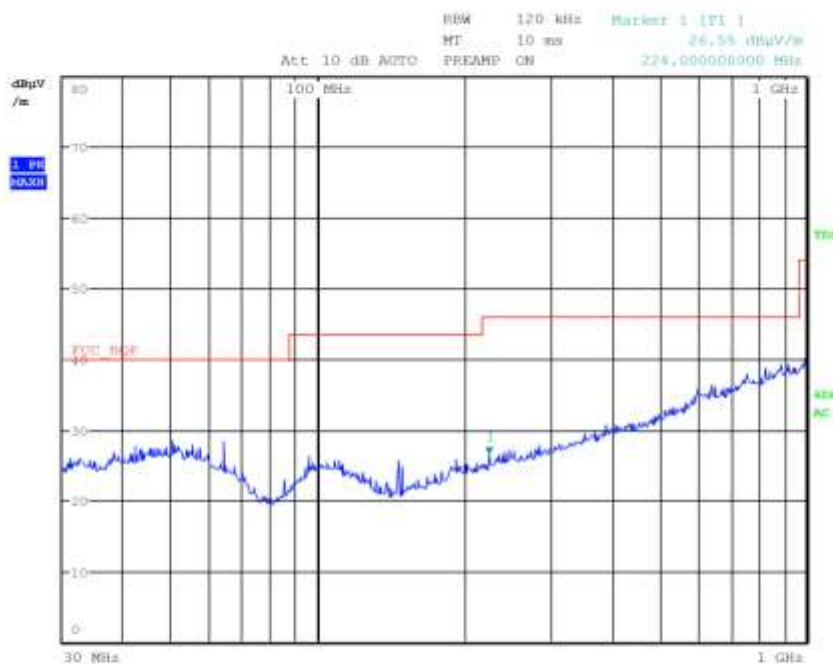
Gandini 13007360-Line L-TX - ANTENNA INTERNA

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	B-CP		
Trace2:	B-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1: Quasi Peak	202 kHz	56.86	-6.64



G13007361

Meas Type Emission 1000-10000 MHz
Equipment under Test
Manufacturer
OP Condition Rx - ANTENNA INTERNA
Operator Gandini 13007961
Test Spec
Vert



Final Measurement

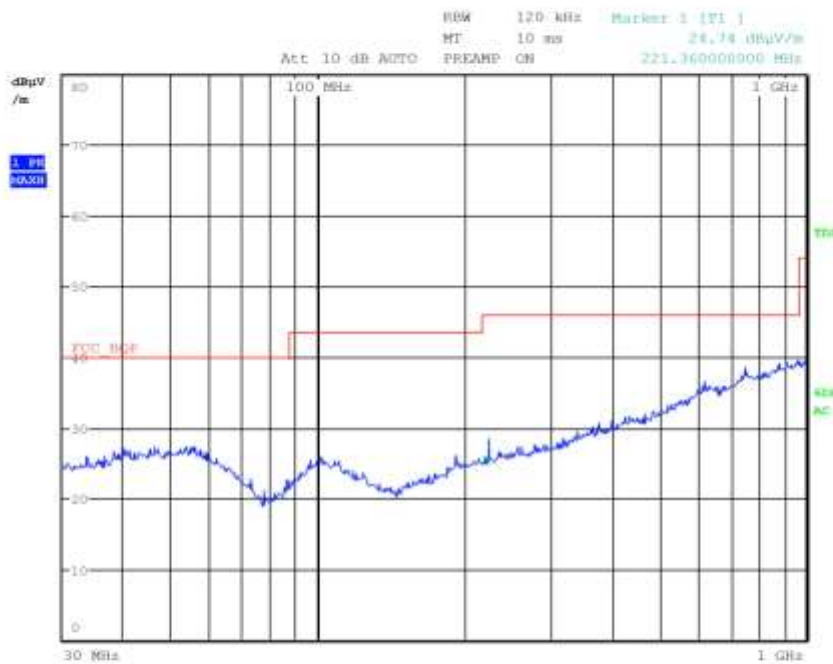
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007362

Meas Type Emission 1000-10000 MHz
Equipment under Test
Manufacturer
OP Condition Rx - ANTENNA INTERNA
Operator Gandini 13007962
Test Spec
Horiz



Final Measurement

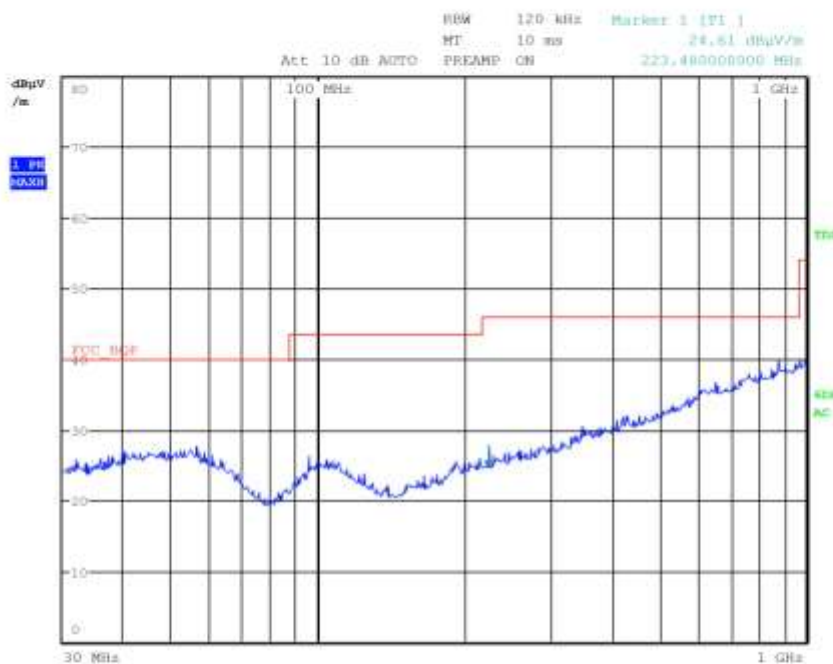
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007363

Meas Type Emission 1000-10000 MHz
Equipment under Test
Manufacturer
OP Condition Rx - ANTENNA ESTERNA
Operator Gandini 13007963
Test Spec
Horiz



Final Measurement

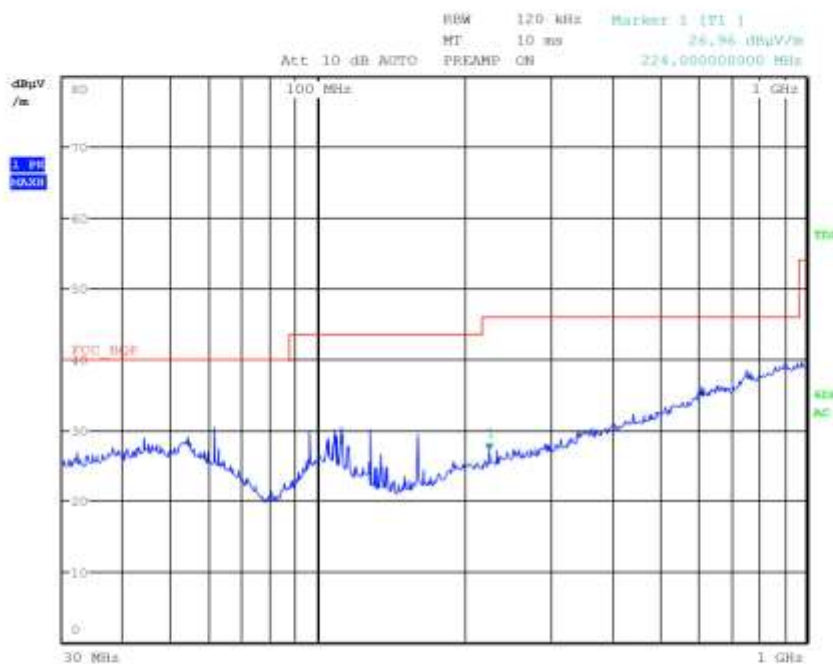
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007364

Meas Type Emission 1000-10000 MHz
Equipment under Test
Manufacturer
OP Condition Rx - ANTENNA ESTERNA
Operator Gandini 13007964
Test Spec
Vert



Final Measurement

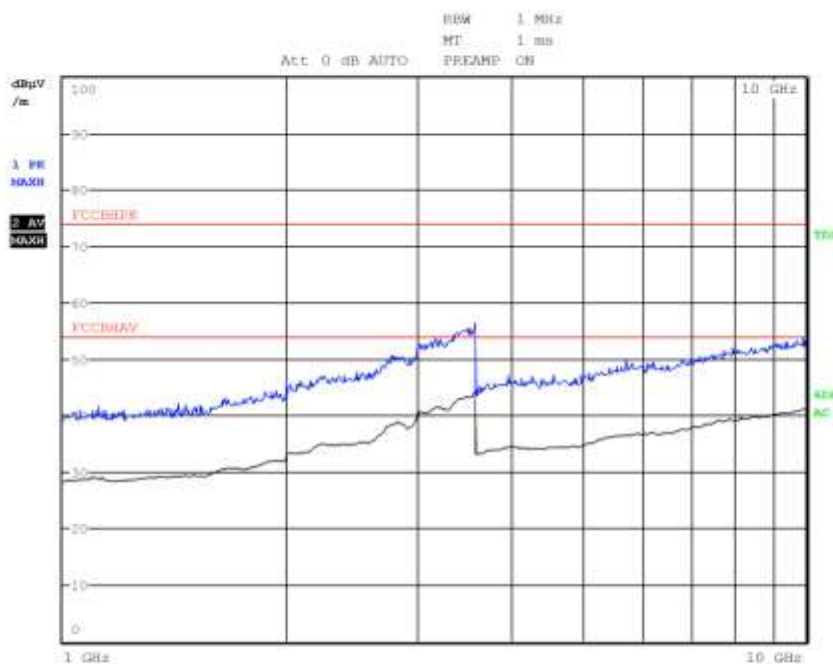
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007365

Meas Type Emission 1000-10000 MHz
Equipment under Test
Manufacturer
OP Condition Rx
Operator Gandini 13007965
Test Spec
Horiz



Final Measurement

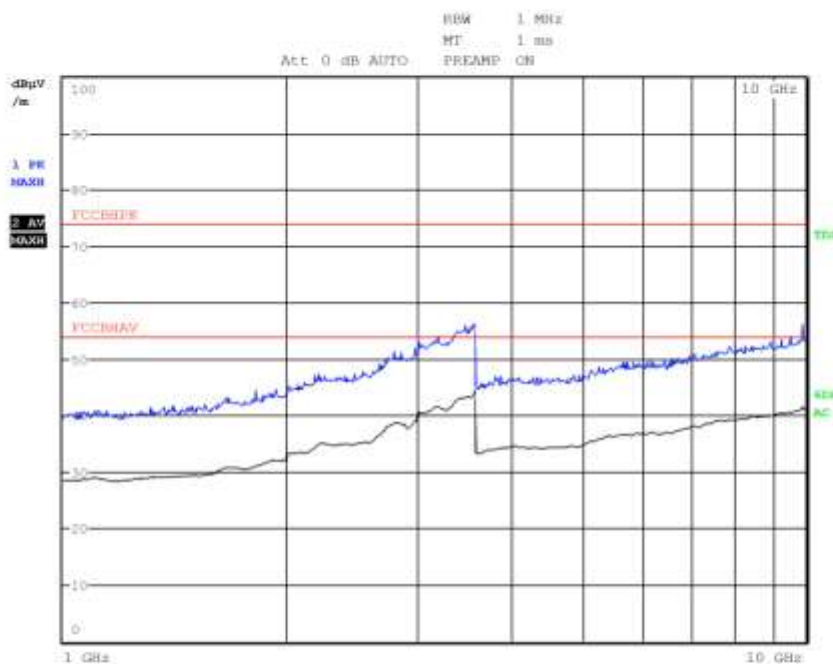
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007366

Meas Type Emission 1000-10000 MHz
Equipment under Test
Manufacturer
OP Condition Rx - ANTENNA ESTERNA
Operator Gandini 13007966
Test Spec
Vert



Final Measurement

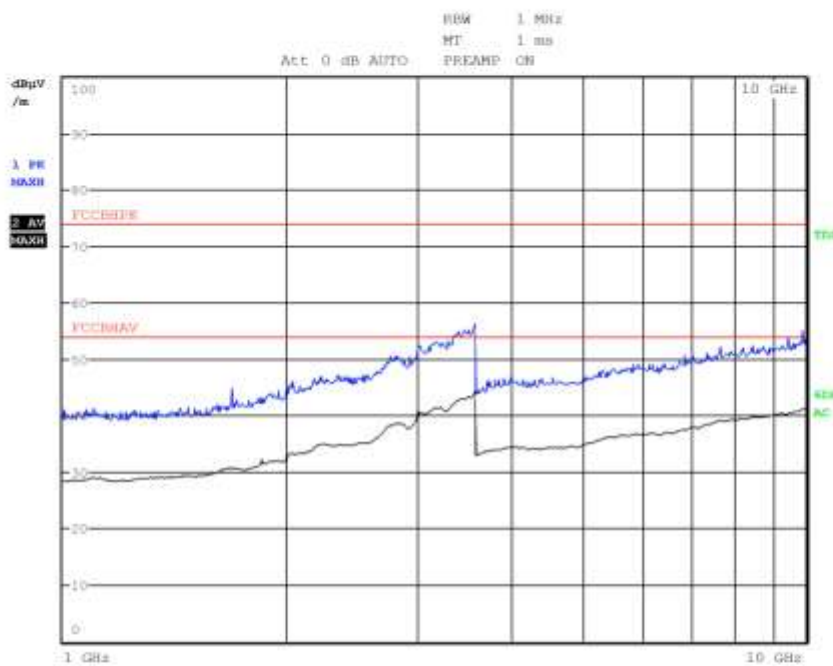
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007367

Meas Type Emission 1000-10000 MHz
Equipment under Test
Manufacturer
OP Condition Rx - ANTENNA INTERNA
Operator Gandini 13007967
Test Spec
Vert



Final Measurement

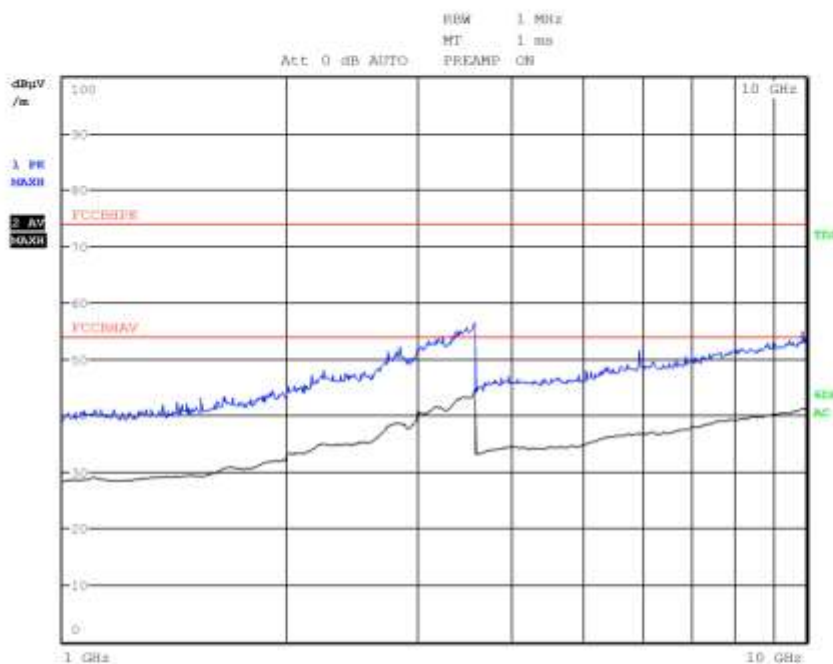
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13007368

Meas Type Emission 1000-10000 MHz
Equipment under Test
Manufacturer
OP Condition Rx - ANTENNA INTERNA
Operator Gandini 13007968
Test Spec
Horiz



Final Measurement

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

CMC Centro Misure Compatibilità S.r.l.