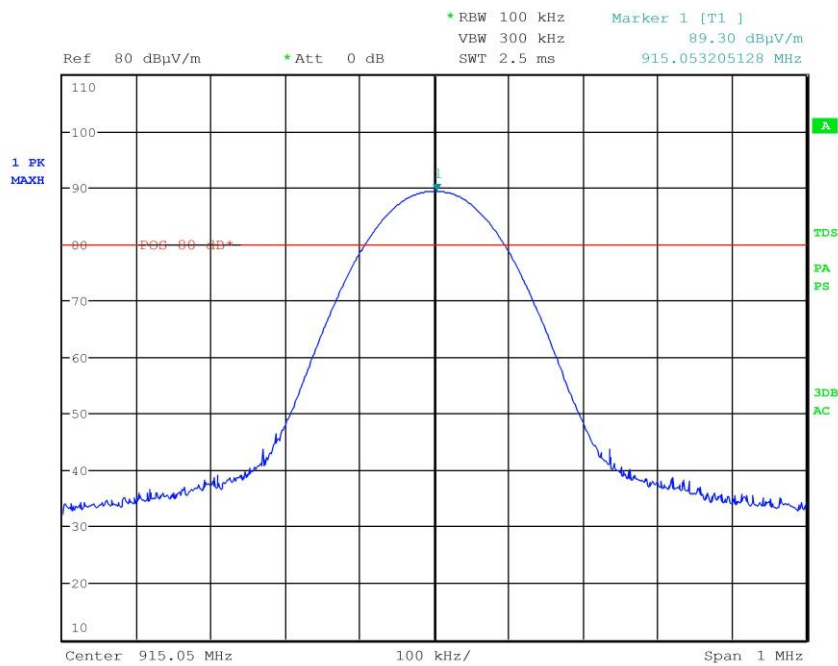




G14170801

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Rx - Fmin - Ant.Int.
Operator Gandini 14170801
Test Spec
Horiz

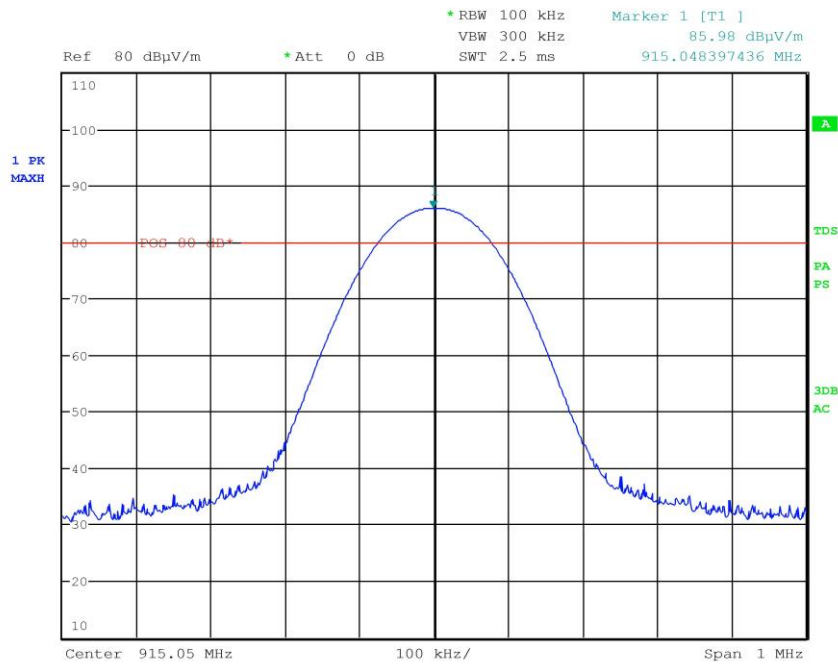


CMC Centro Misure Compatibilità S.r.l.



G14170802

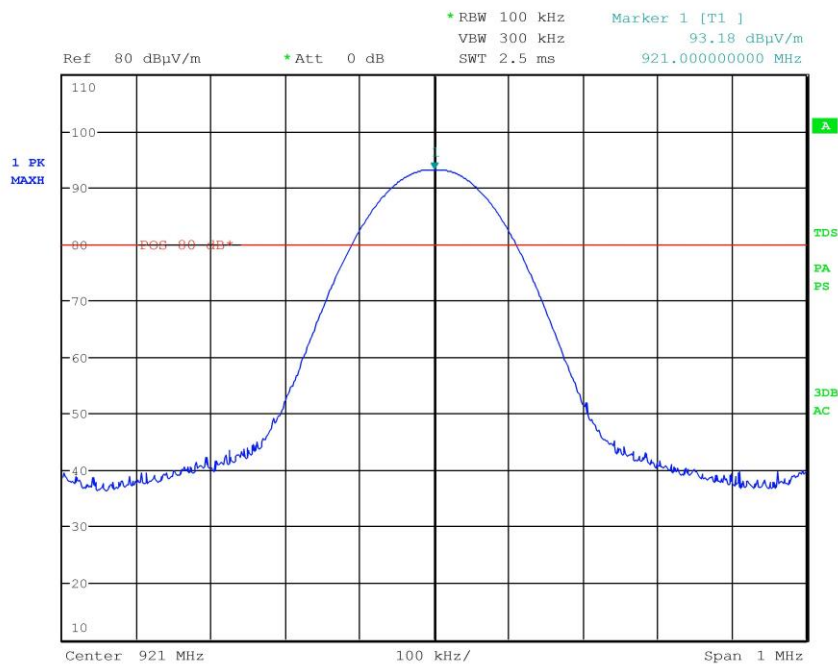
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Rx - Fmin - Ant.Int.
Operator Gandini 14170802
Test Spec
Vert





G14170806

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Rx - Fmed - Ant.Int.
Operator Gandini 14170806
Test Spec
Horiz

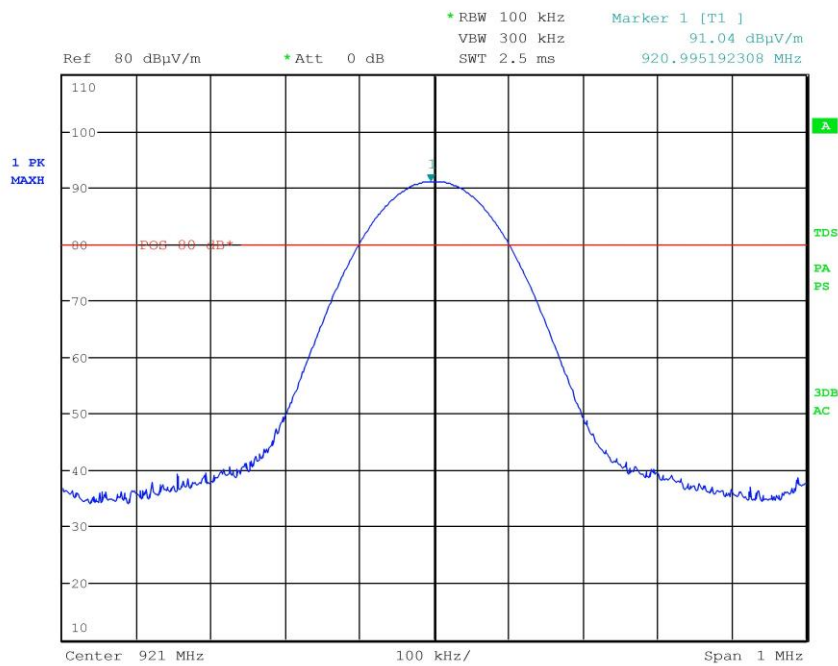


CMC Centro Misure Compatibilità S.r.l.



G14170808

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Rx - Fmed - Ant.Int.
Operator Gandini 14170808
Test Spec
Vert

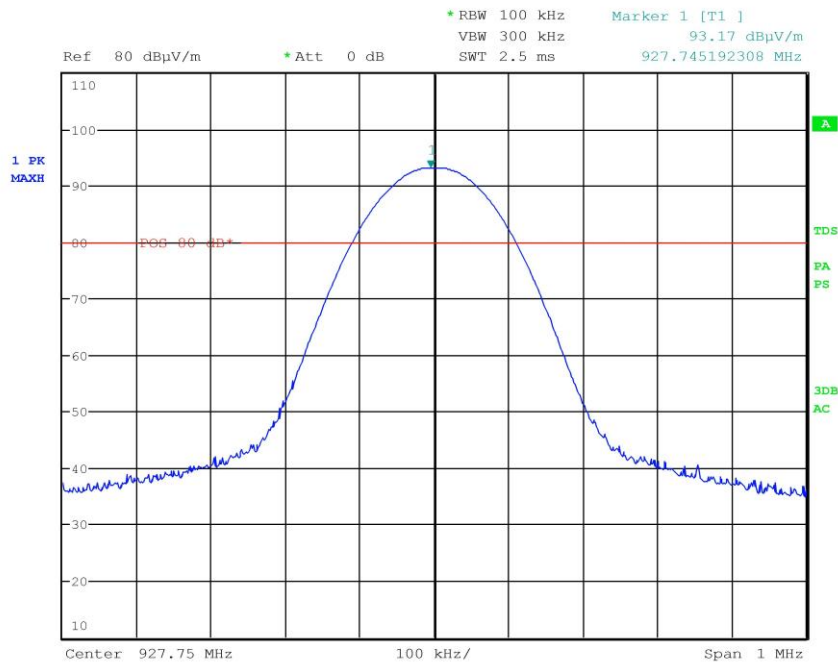


CMC Centro Misure Compatibilità S.r.l.



G14170809

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Rx - Fmax - Ant.Int.
Operator Gandini 14170809
Test Spec
Horiz

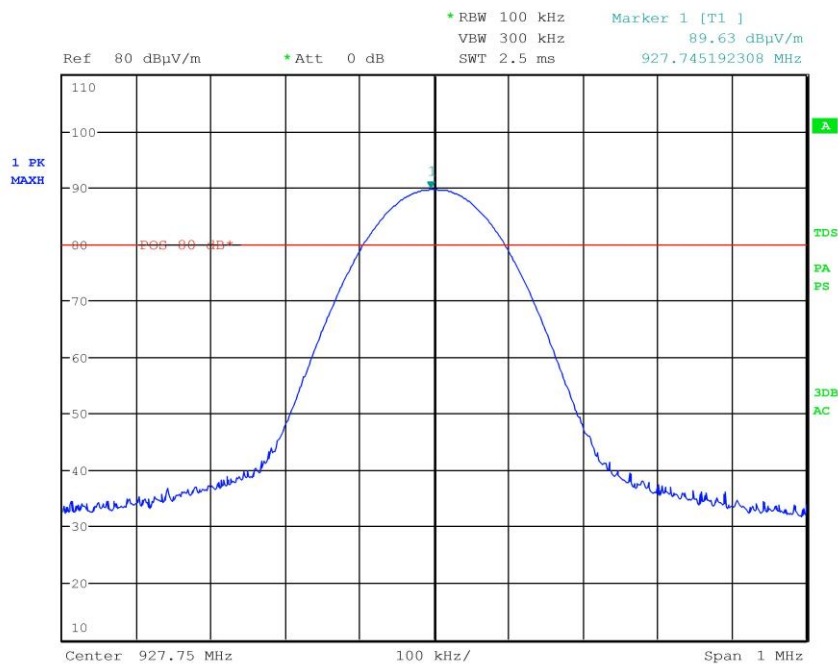


CMC Centro Misure Compatibilità S.r.l.



G14170813

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Rx - Fmax - Ant.Int.
Operator Gandini 14170813
Test Spec
Vert

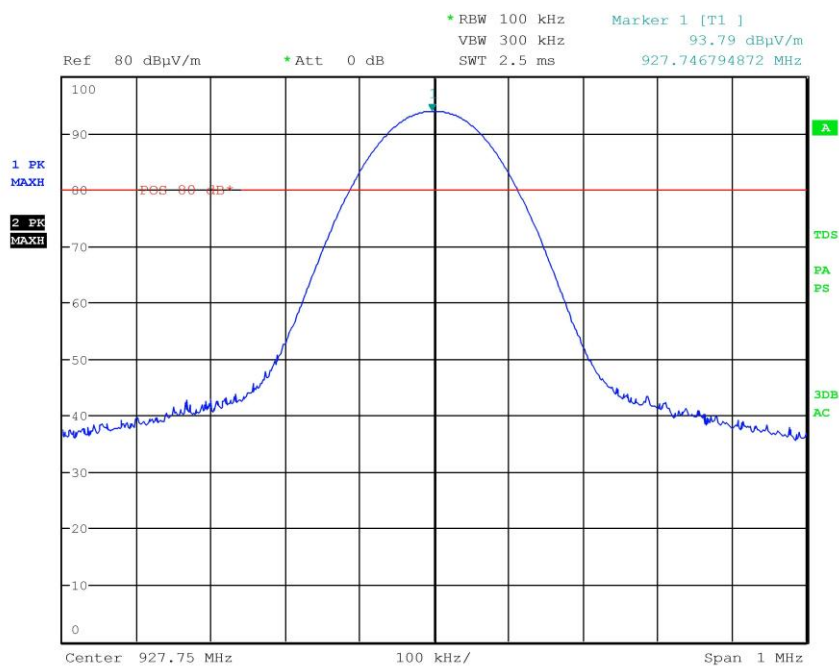


CMC Centro Misure Compatibilità S.r.l.



G14170821

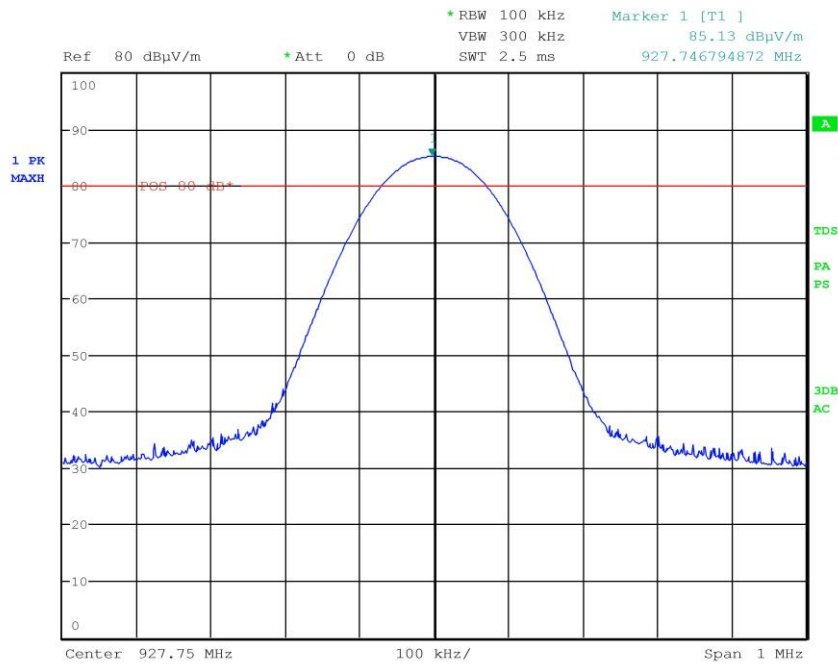
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Ext 5m - Fmax
Operator Gandini 14170821
Test Spec
Vert





G14170825

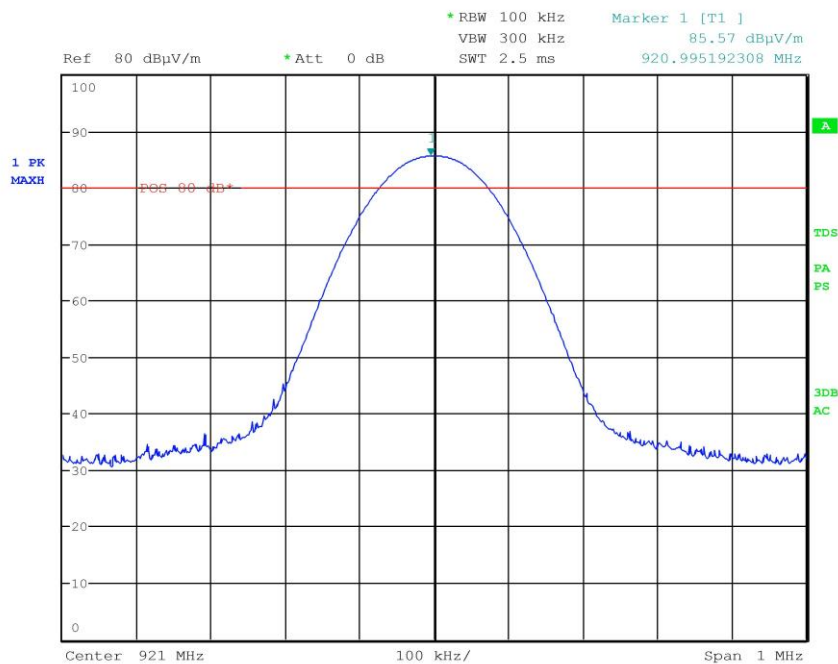
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Ext 5m - Fmax
Operator Gandini 14170825
Test Spec
Horiz





G14170826

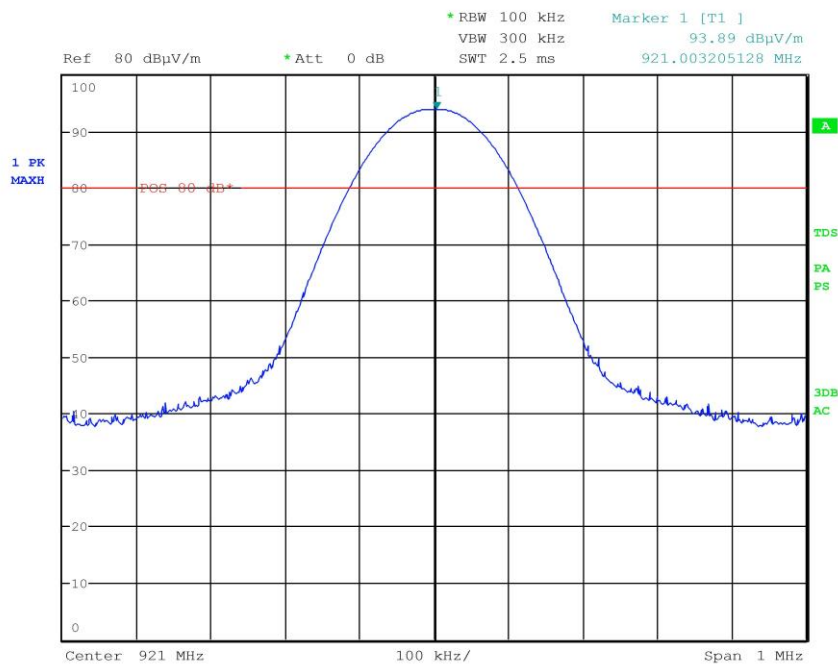
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Ext 5m - Fmed
Operator Gandini 14170826
Test Spec
Horiz





G14170827

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Ext 5m - Fmed
Operator Gandini 14170827
Test Spec
Vert

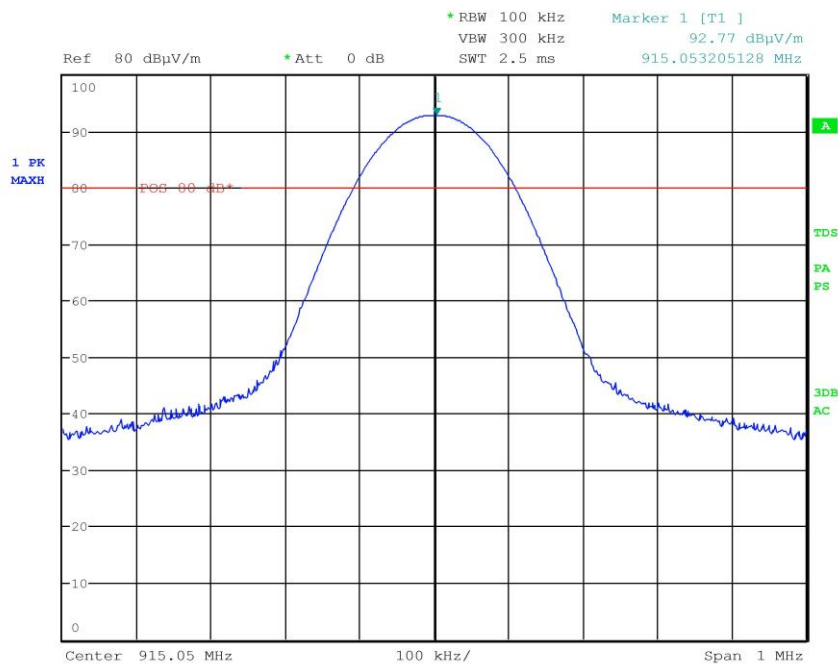


CMC Centro Misure Compatibilità S.r.l.



G14170829

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Ext 5m - Fmin
Operator Gandini 14170829
Test Spec
Vert





11.6 Band edge

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.249 (d)
- IC RSS-GEN Issue 4
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S136, CMC S164
Measurement uncertainty: See clause 7 of this test report

Test specification

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation

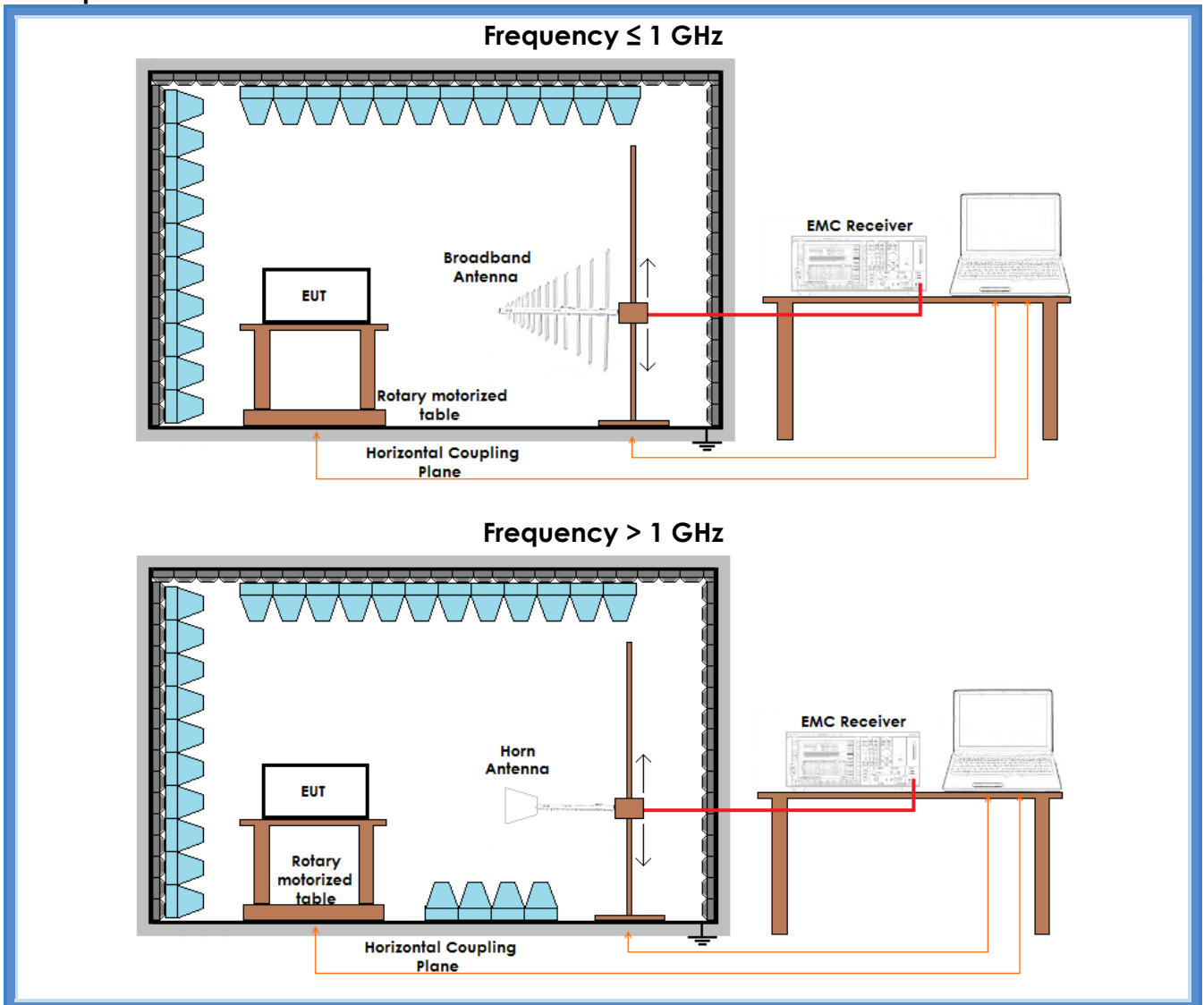
Environmental conditions

<i>Temperature (°C)</i>	<i>Atmospheric pressure (kPa)</i>	<i>Relative humidity (%)</i>
22	100	45

Acceptance limits: operation within the band 902 – 928 MHz



Setup



Result

Frequency (MHz)	Graph(s)	Results	
915,05	G14138927	F _L : 914,808012 MHz	Complies
	G14138928		
927,75	G14138919	F _H : 927,979166 MHz	Complies
	G14138920		

Remarks: 12 Vdc power supply, external antenna



Frequency (MHz)	Graph(s)	Results	
915,05	G14138936	F _L : 914,808141 MHz	Complies
	G14138937		
927,75	G14138940	F _H : 927,990384 MHz	Complies
	G14138941		
Remarks: 12 Vdc power supply, internal antenna			

Frequency (MHz)	Graph(s)	Results	
915,05	G14170830	F _L : 914,808012 MHz	Complies
	G14170831		
927,75	G14170822	F _H : 927,993846 MHz	Complies
	G14170823		
Remarks: 43 Vac power supply, external antenna			

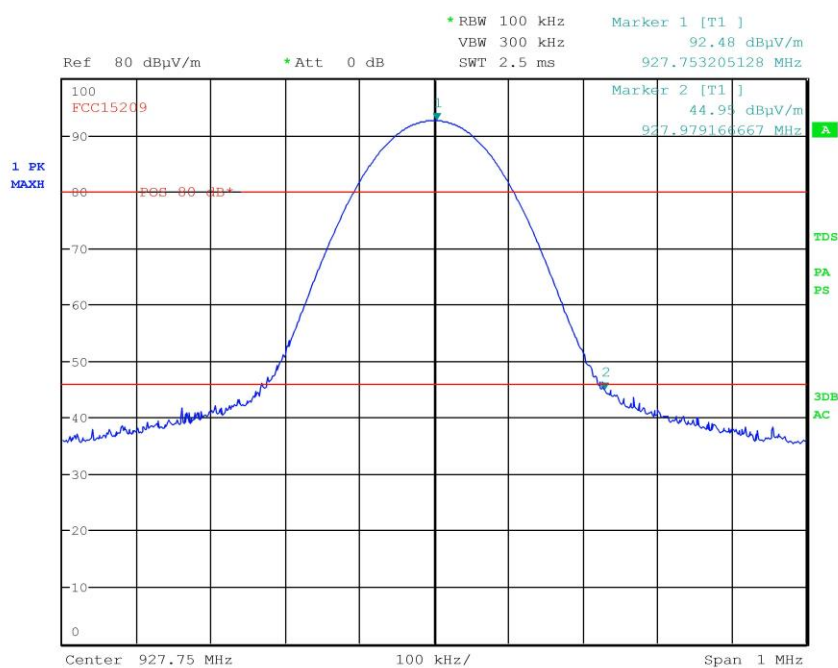
Frequency (MHz)	Graph(s)	Results	
915,05	G14170803	F _L : 914,835256 MHz	Complies
	G14170804		
927,75	G14170810	F _H : 927,980769 MHz	Complies
	G14170811		
Remarks: 43 Vac power supply, internal antenna			



Graphs

G14138919

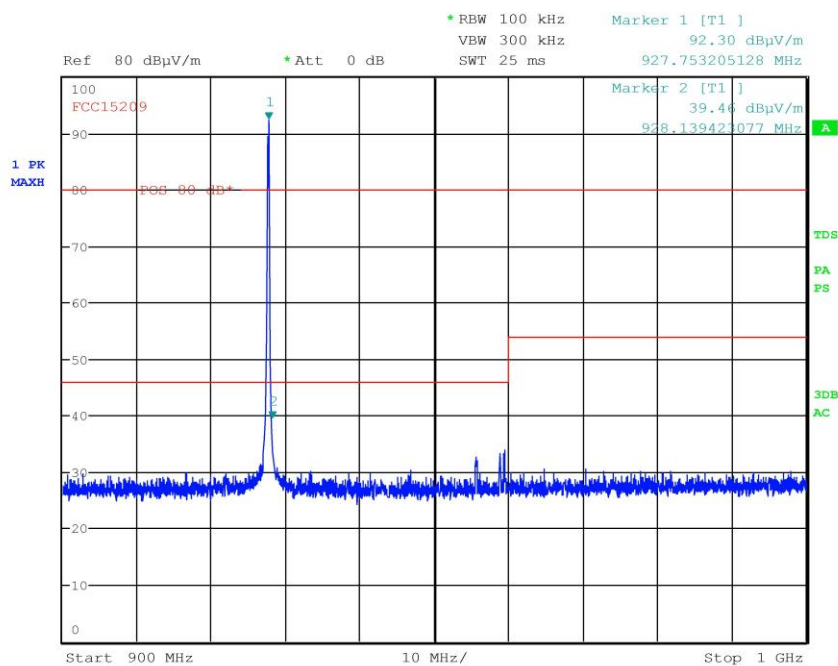
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Ext. 5m - Fmax
Operator Gandini 14138919
Test Spec
Vert





G14138920

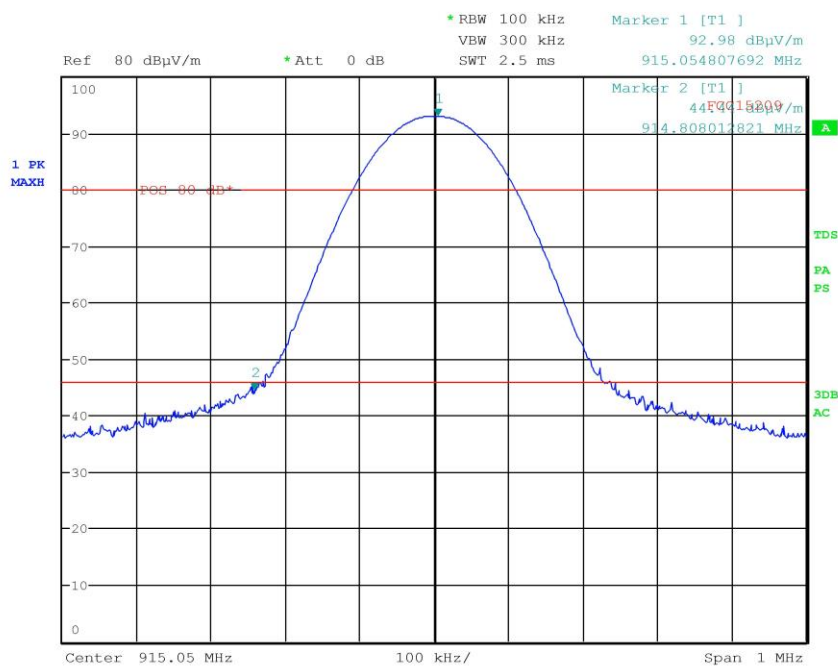
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Ext. 5m - Fmax
Operator Gandini 14138920
Test Spec
Vert





G14138927

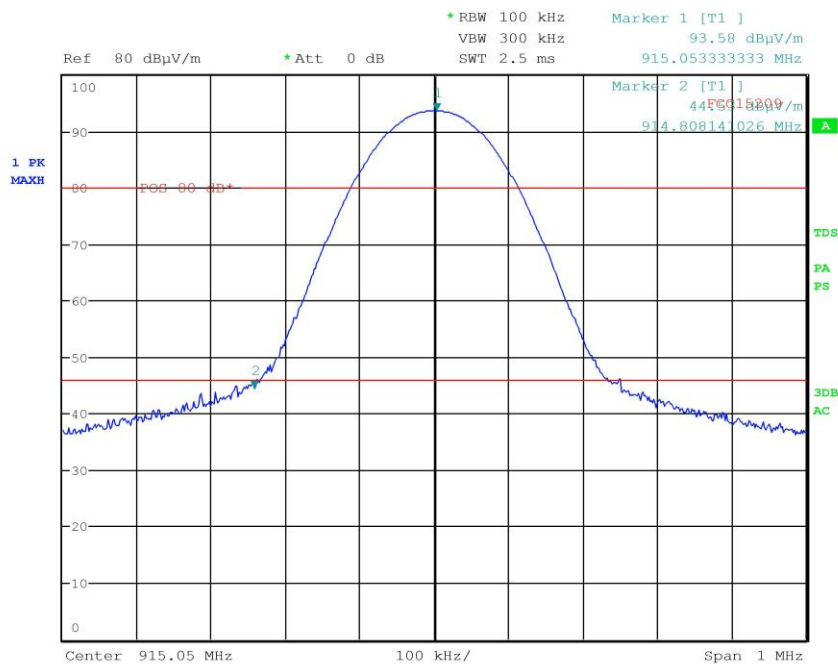
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Ext. 5m - Fmin
Operator Gandini 14138927
Test Spec
Vert





G14138936

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Int. - Fmin
Operator Gandini 14138936
Test Spec
Vert

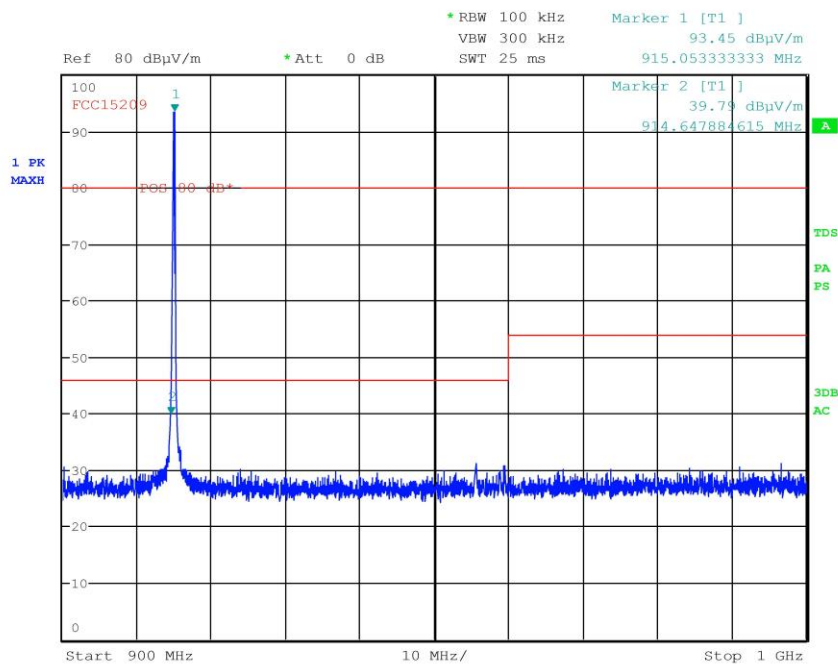


CMC Centro Misure Compatibilità S.r.l.



G14138937

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Int. - Fmin
Operator Gandini 14138937
Test Spec
Vert

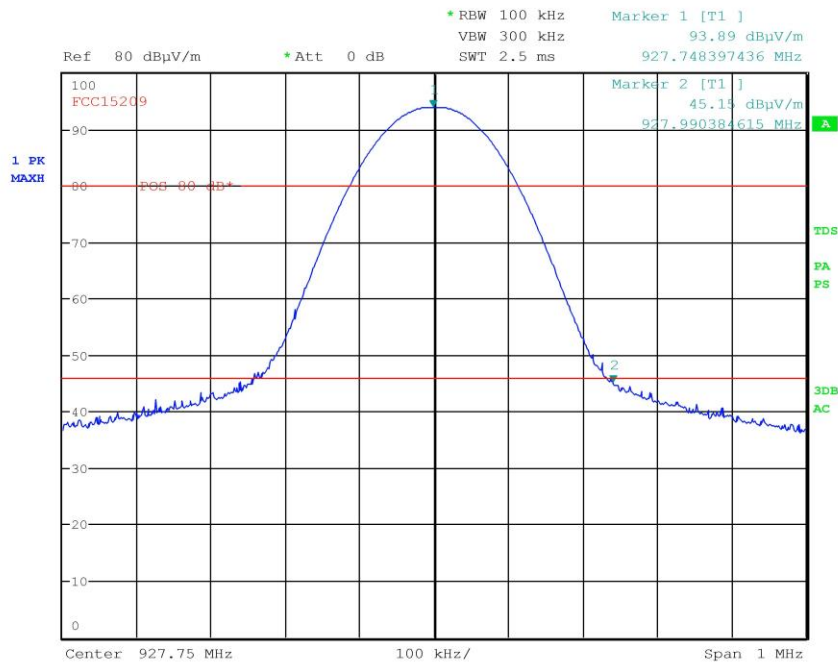


CMC Centro Misure Compatibilità S.r.l.



G14138940

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Int. - Fmin
Operator Gandini 14138940
Test Spec
Vert

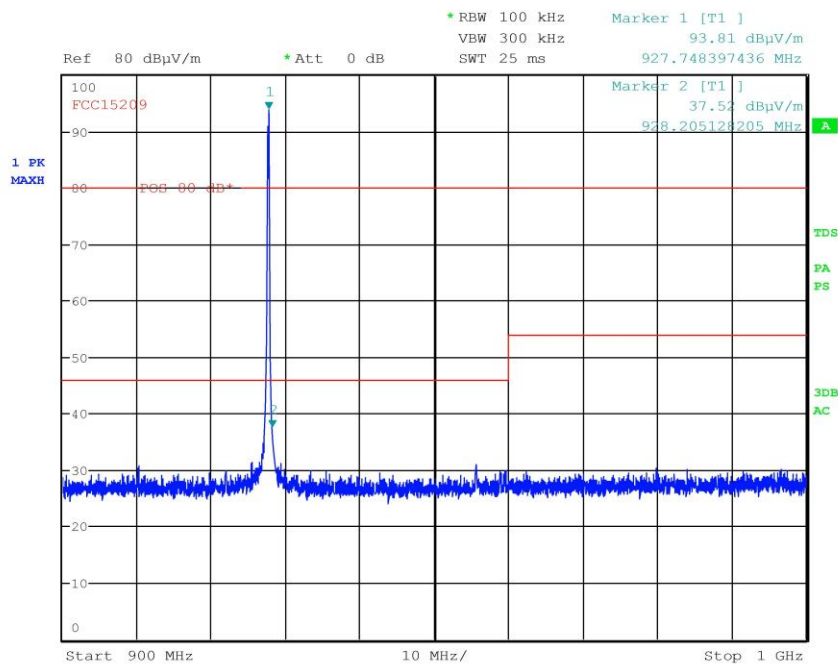


CMC Centro Misure Compatibilità S.r.l.



G14138941

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Int. - Fmax
Operator Gandini 14138941
Test Spec
Vert

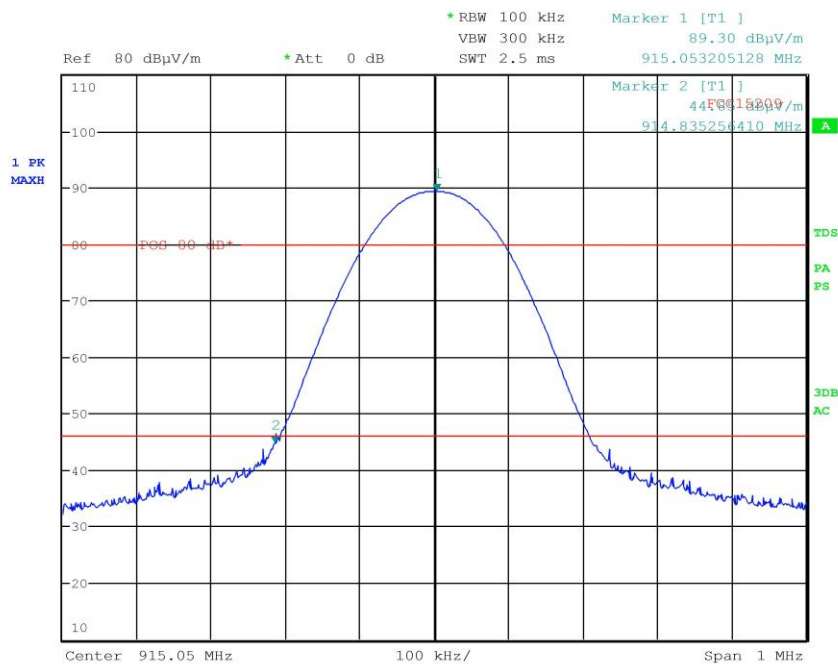


CMC Centro Misure Compatibilità S.r.l.



G14170803

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Rx - Fmin - Ant.Int.
Operator Gandini 14170803
Test Spec
Horiz

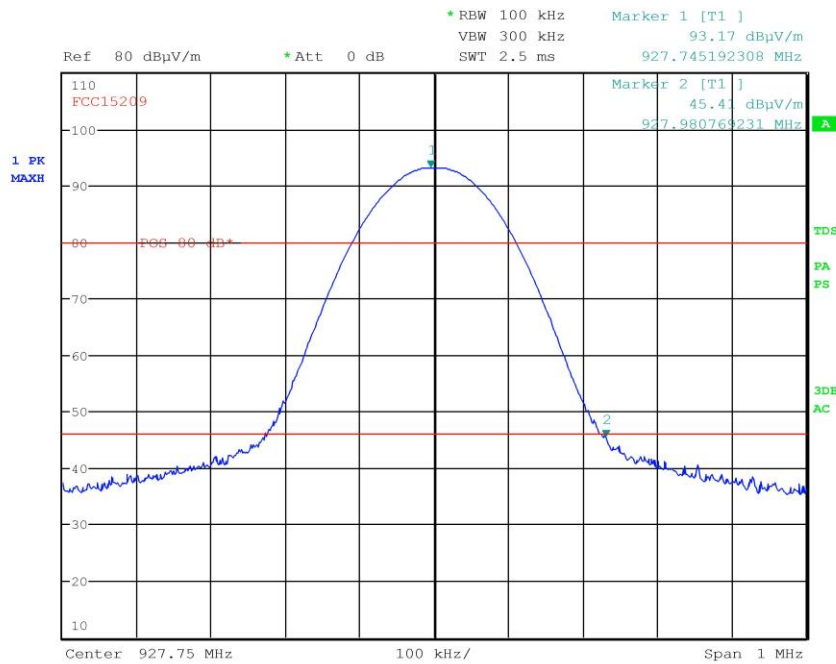


CMC Centro Misure Compatibilità S.r.l.



G14170810

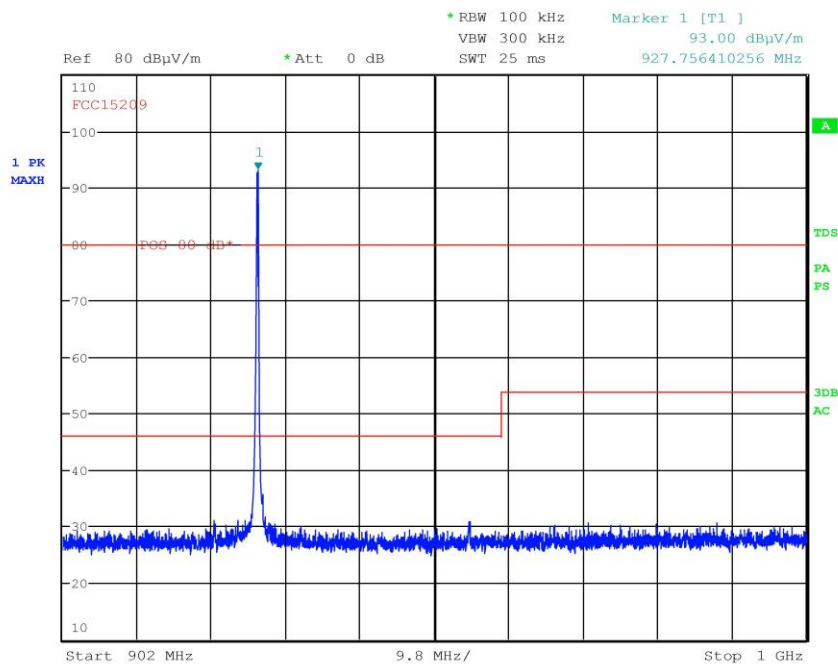
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Rx - Fmax - Ant.Int.
Operator Gandini 14170810
Test Spec
Horiz





G14170811

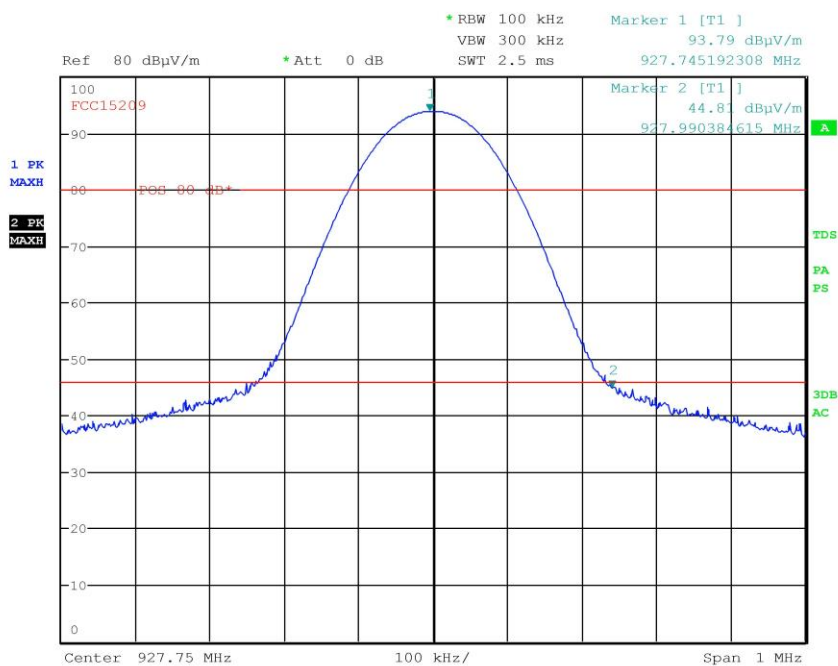
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Rx - Fmax - Ant.Int.
Operator Gandini 14170811
Test Spec
Horiz





G14170822

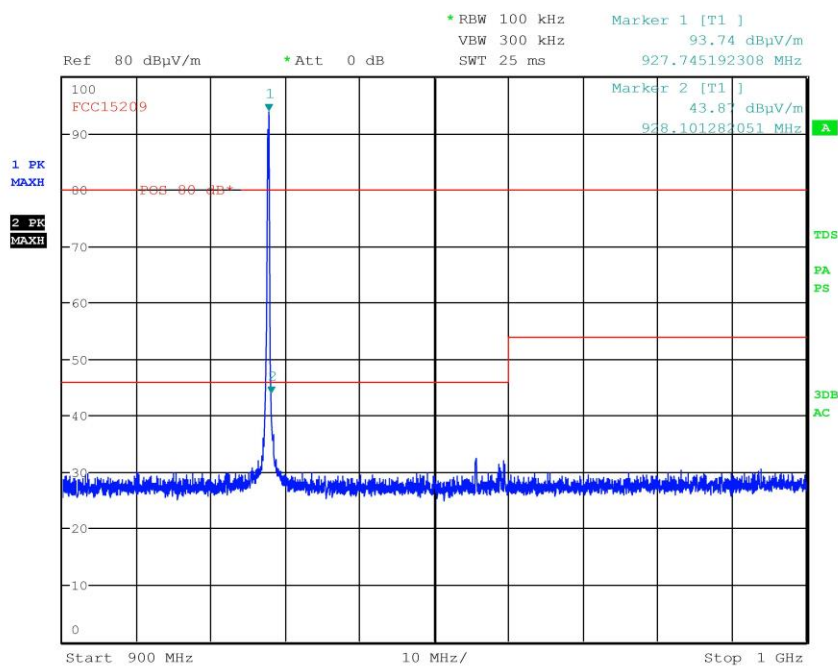
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Ext 5m - Fmax
Operator Gandini 14170822
Test Spec
Vert





G14170823

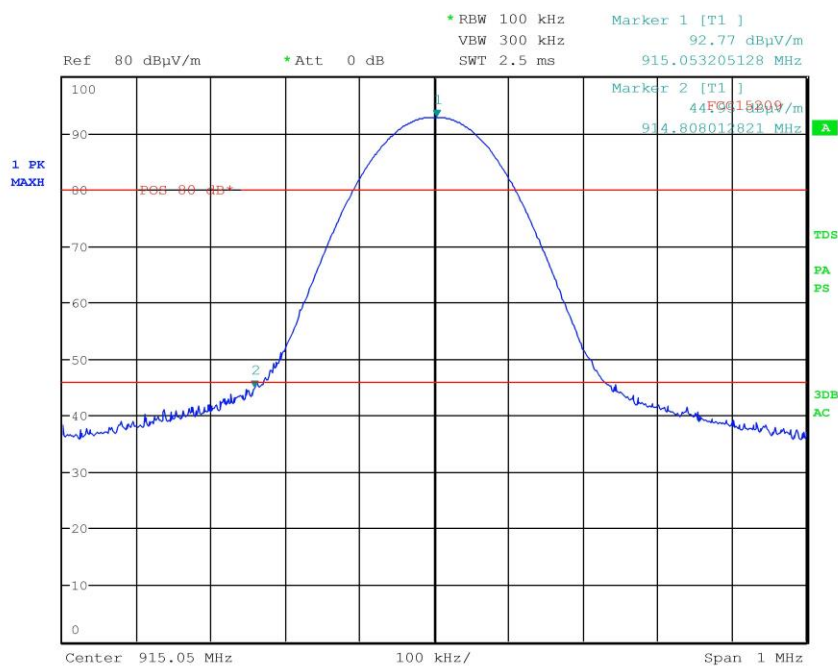
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Ext 5m - Fmax
Operator Gandini 14170823
Test Spec
Vert





G14170830

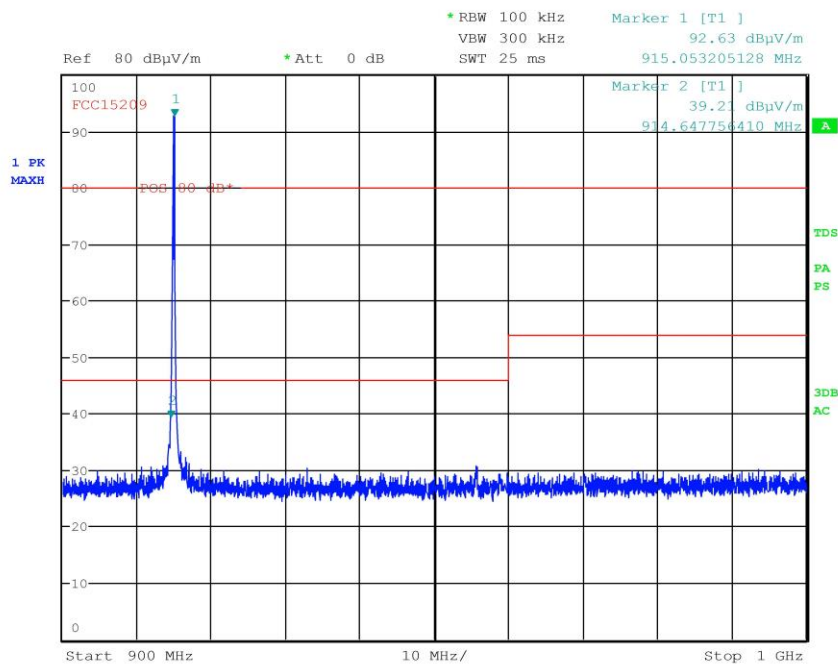
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Ext 5m - Fmin
Operator Gandini 14170830
Test Spec
Vert





G14170831

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Ext 5m - Fmin
Operator Gandini 14170831
Test Spec
Vert



Result: The requirements are met

CMC Centro Misure Compatibilità S.r.l.



11.7 Spurious Emission

Test set-up and execution

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

Test configuration and test method

Test site:
Semi-anechoic chamber

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S136, CMC S164
Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Enclosure
Antenna polarization: Horizontal (H) – Vertical (V)
EUT – Antenna distance: 3 m
Detector AV + Peak

Environmental conditions

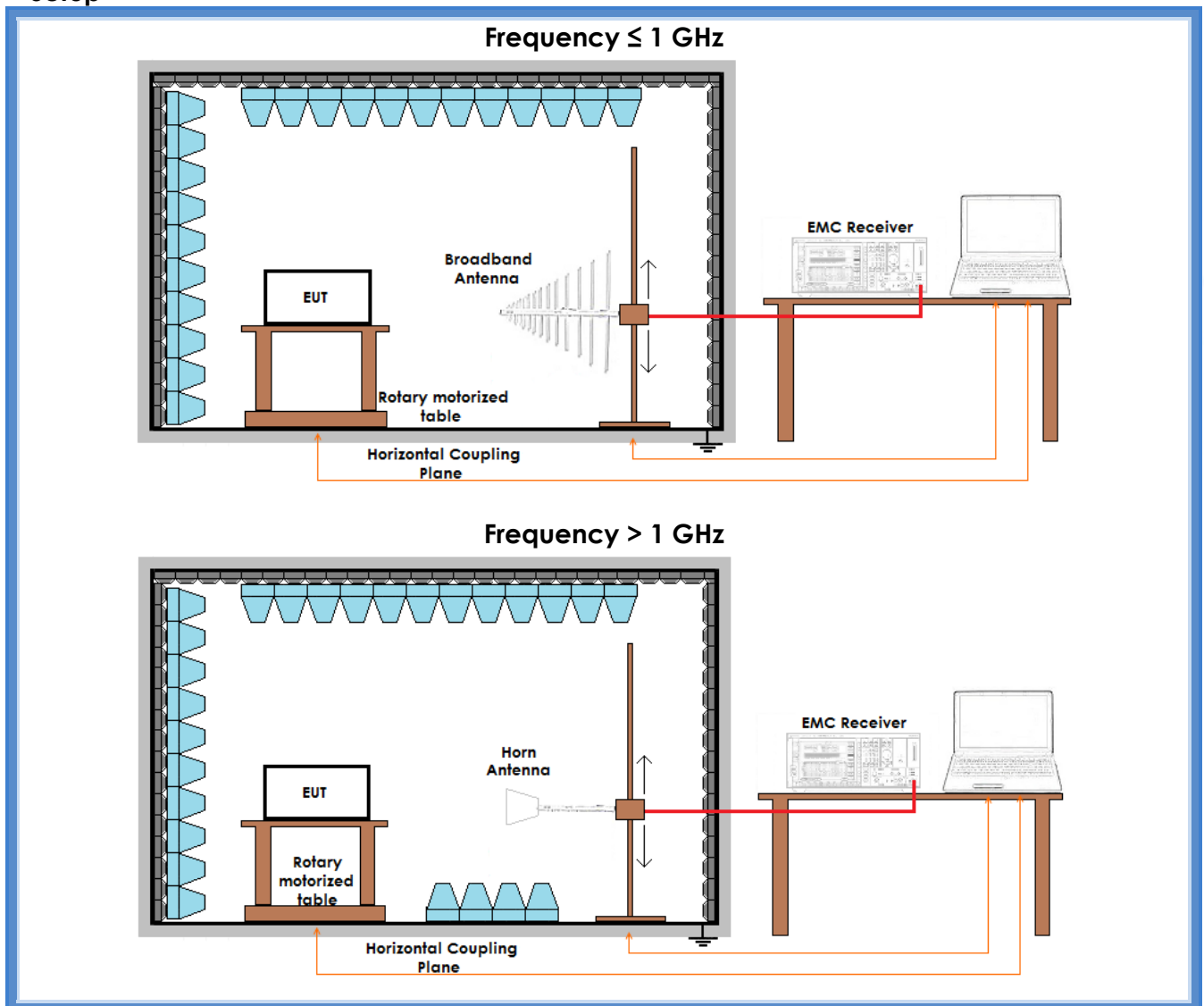
Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
22	100	45

Acceptance limits

Frequency (MHz)	AV limits [dB(μV/m)]	Peak limits [dB(μV/m)]
> 1000	54	74



Setup



CMC Centro Misure Compatibilità S.r.l.



Result – AV detector

Harmonic	Limits (dB μ V/m)	Level (dB μ V/m)			Results
		915,05 MHz	921,00 MHz	927,75 MHz	
II	54	43,6	More than 15dB below limit	43,0	Complies
III	54	48,7	46,6	49,0	Complies
IV	54	45,8	45,9	46,6	Complies
V	54	45,2	44,7	45,3	Complies
VI	54	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
VII	54	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
VIII	54	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
IX	54	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
X	54	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies

Remarks: 12 Vdc power supply, external antenna. EUT was tested in 3 orthogonal planes. The results in this table show the highest values

Result – Peak detector

Harmonic	Limits (dB μ V/m)	Level (dB μ V/m)			Results
		915,05 MHz	921,00 MHz	927,75 MHz	
II	74	47,8	47,8	47,7	Complies
III	74	54,2	54,1	54,0	Complies
IV	74	51,9	52,0	52,5	Complies
V	74	52,1	51,8	52,1	Complies
VI	74	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
VII	74	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
VIII	74	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
IX	74	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
X	74	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies

Remarks: 12 Vdc power supply, external antenna. EUT was tested in 3 orthogonal planes. The results in this table show the highest values



Result – AV detector

Harmonic	Limits (dB μ V/m)	Level (dB μ V/m)			Results
		915,05 MHz	921,00 MHz	927,75 MHz	
II	54	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
III	54	45,2	45,5	46,3	Complies
IV	54	45,4	43,4	46,1	Complies
V	54	45,3	42,7	45,2	Complies
VI	54	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
VII	54	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
VIII	54	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
IX	54	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
X	54	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies

Remarks: 43 Vac power supply, external antenna. EUT was tested in 3 orthogonal planes. The results in this table show the highest values

Result – Peak detector

Harmonic	Limits (dB μ V/m)	Level (dB μ V/m)			Results
		915,05 MHz	921,00 MHz	927,75 MHz	
II	74	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
III	74	49,8	47,1	50,1	Complies
IV	74	49,2	47,9	50,1	Complies
V	74	49,8	48,7	50,9	Complies
VI	74	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
VII	74	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
VIII	74	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
IX	74	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies
X	74	More than 15dB below limit	More than 15dB below limit	More than 15dB below limit	Complies

Remarks: 43 Vac power supply, external antenna. EUT was tested in 3 orthogonal planes. The results in this table show the highest values

Result: The requirements are met