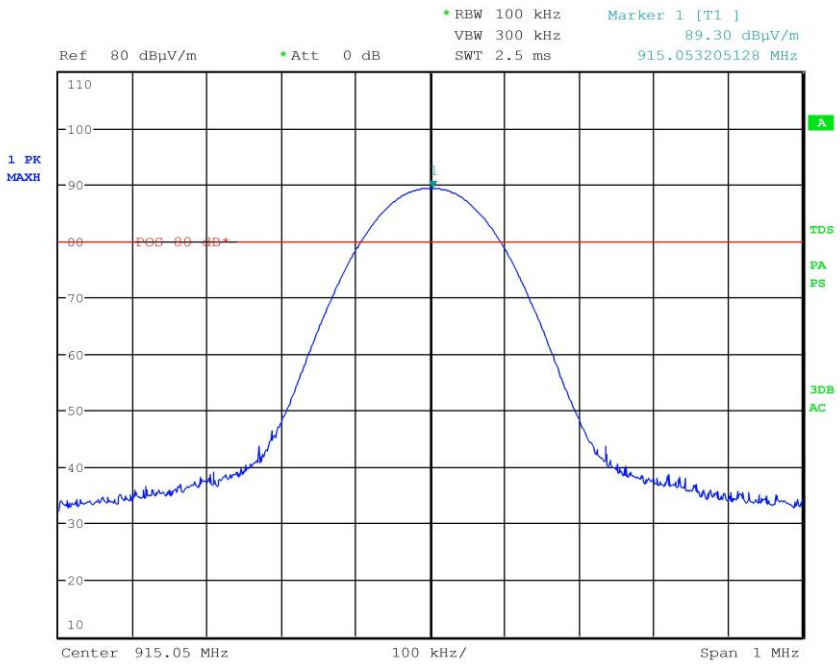
G14170801

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

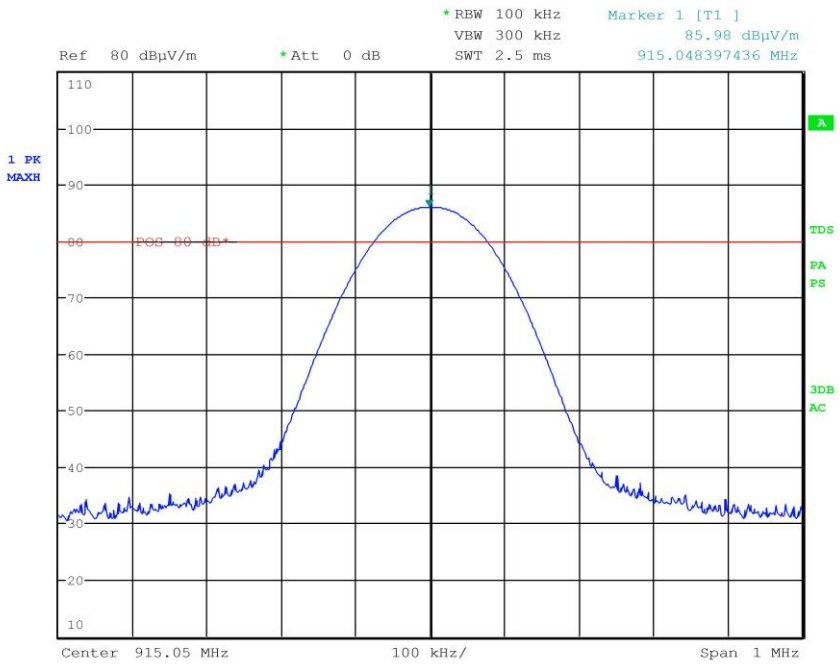
Horiz



G14170802

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

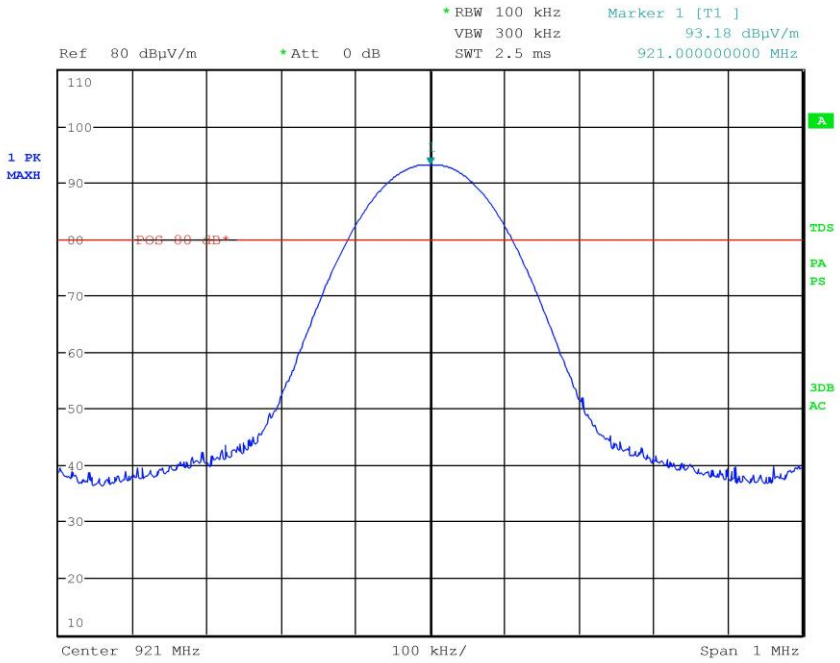
Vert



G14170806

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

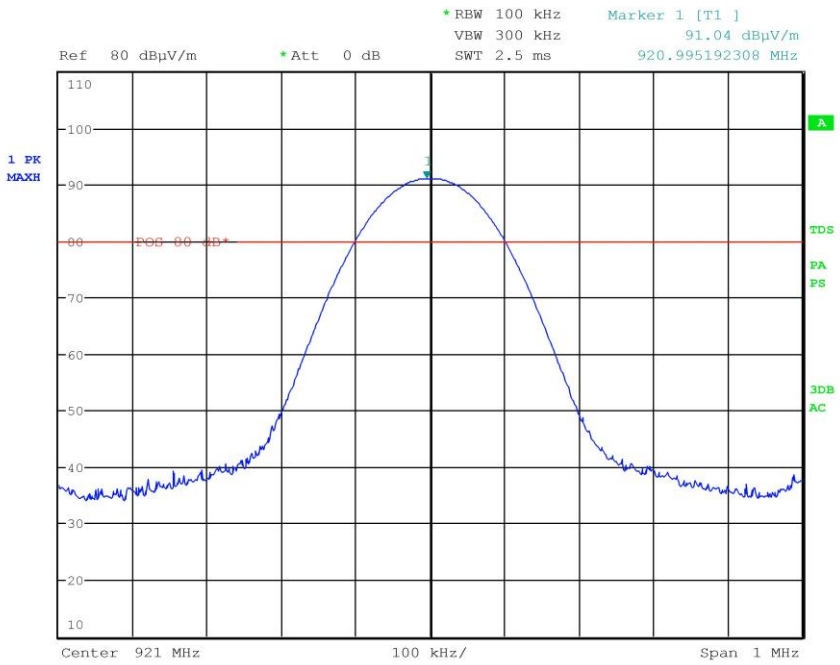
Horiz



G14170808

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

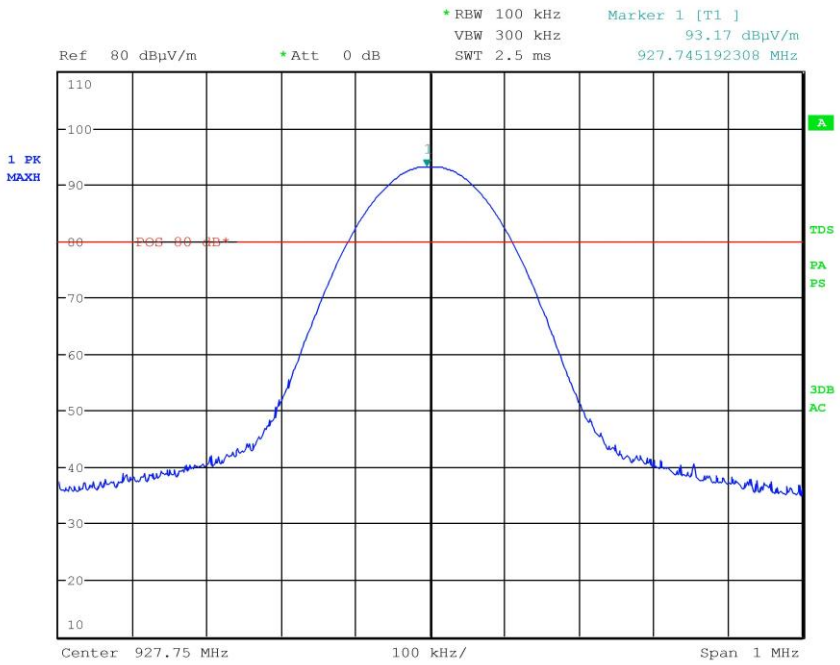
Vert



G14170809

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

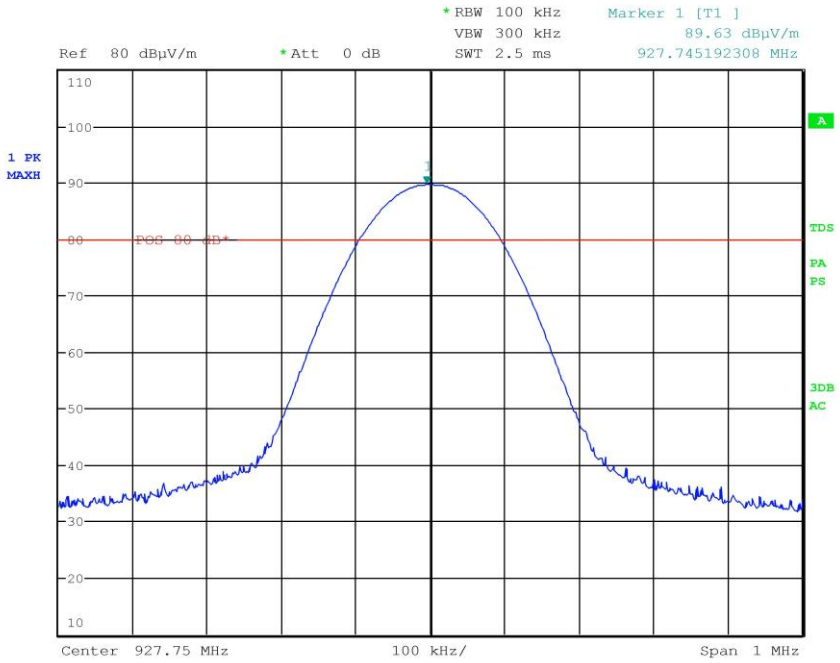
Horiz



G14170813

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

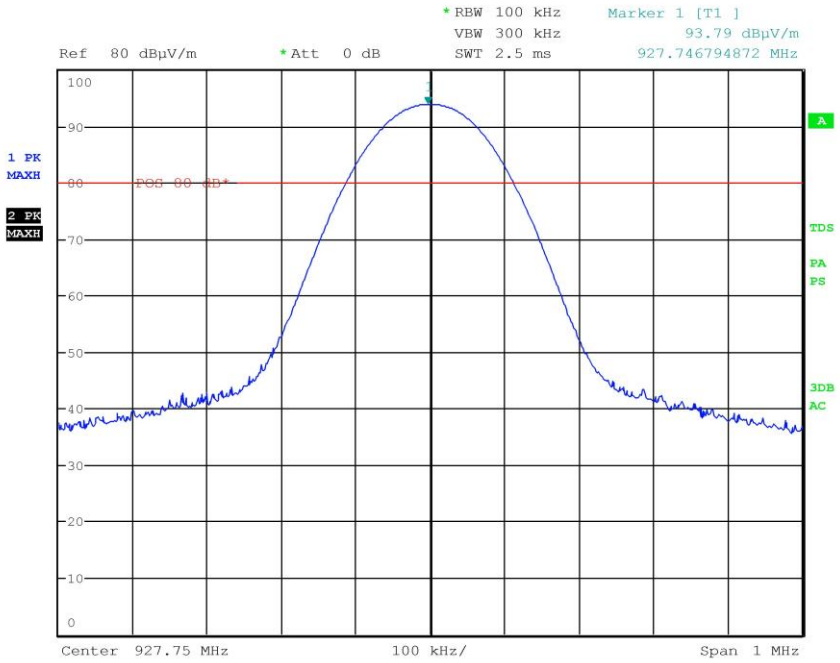
Vert



G14170821

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

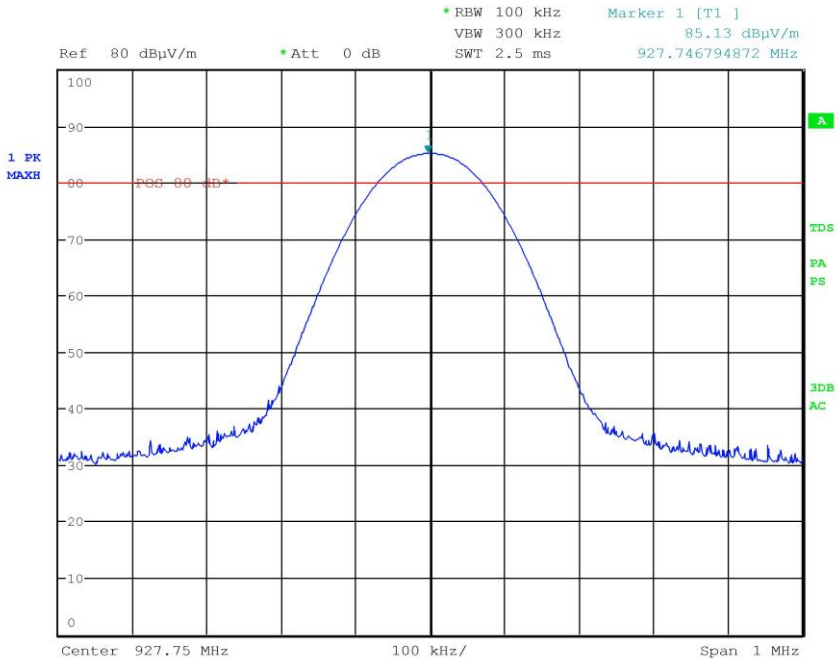
Vert



G14170825

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

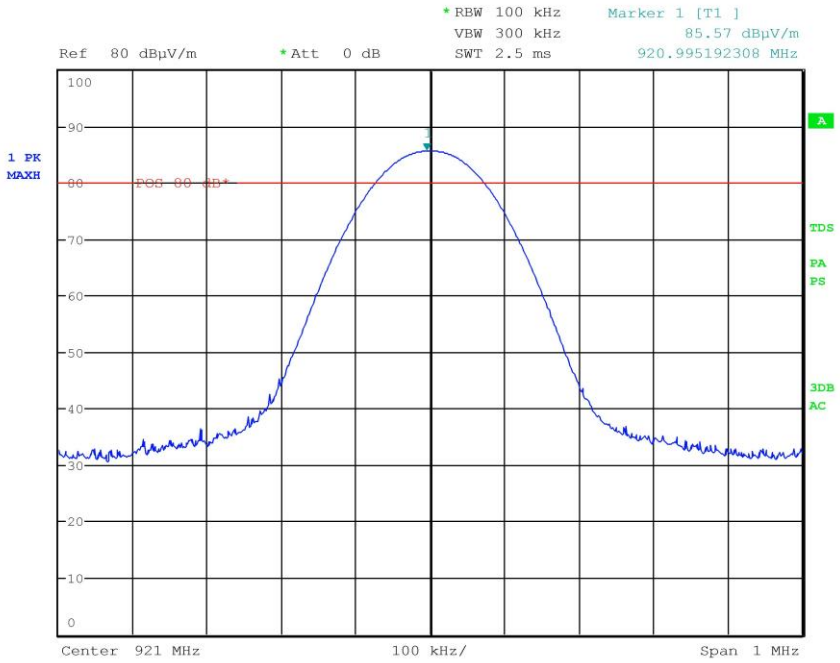
Horiz



G14170826

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

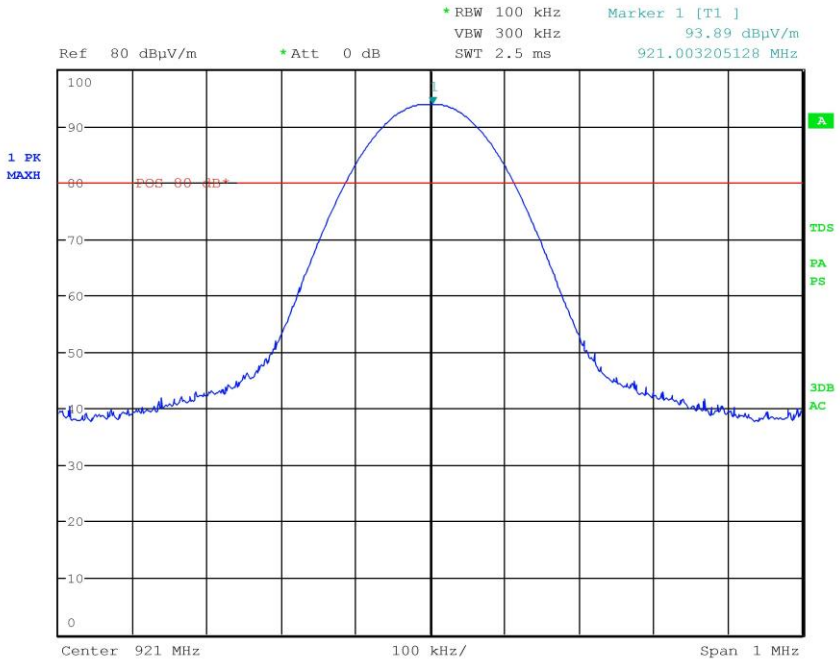
Horiz



G14170827

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

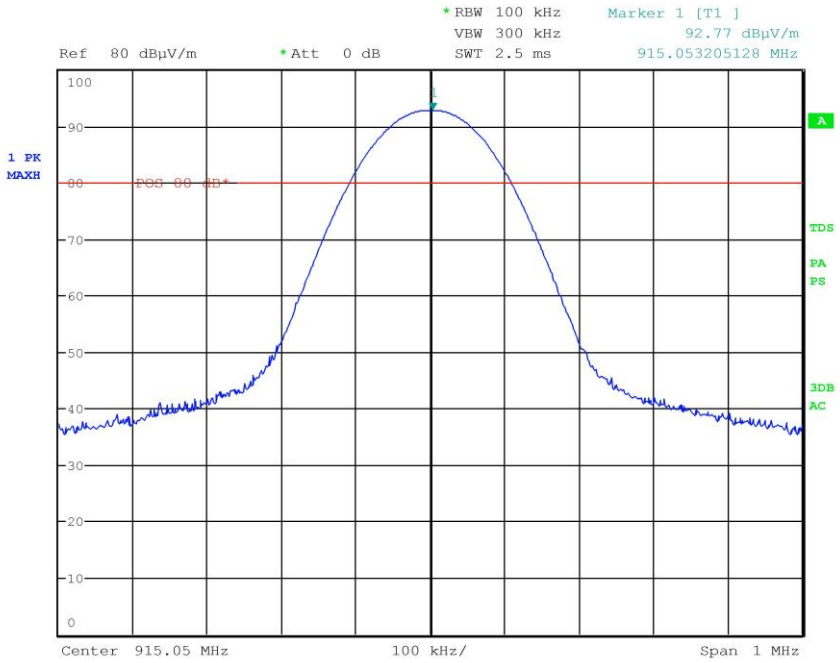
Vert



G14170829

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

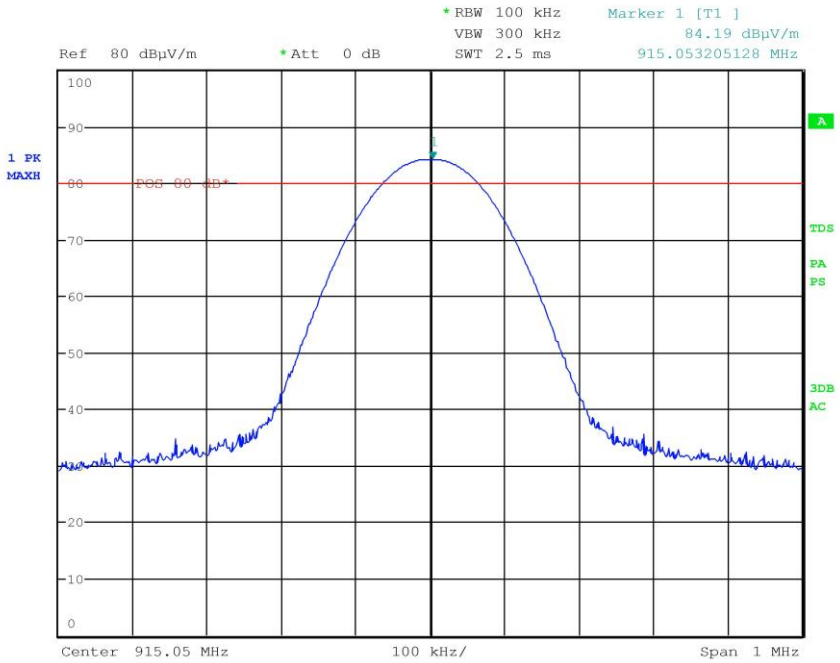
Vert



G14170833

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	Tx - Ant. Ext 5m - Fmin
Operator	Gandini 14170833
Test Spec	

Horiz



Result: The requirements are met

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

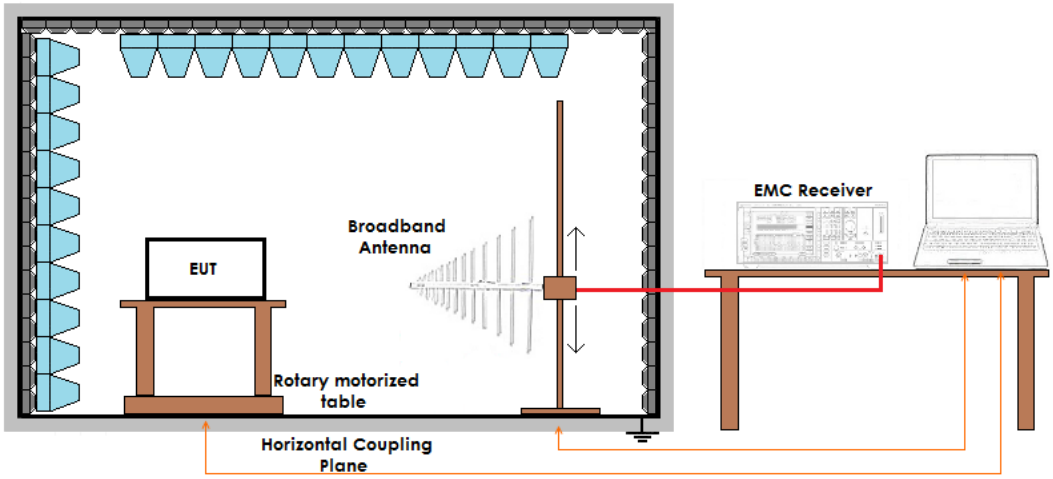
Environmental conditions

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

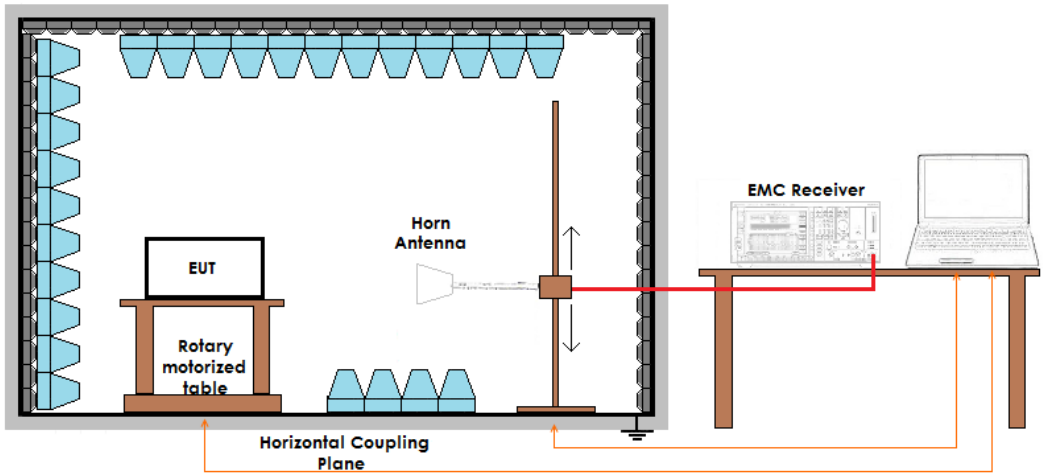
Acceptance limits: operation within the band 902 – 928 MHz

Setup

Frequency ≤ 1 GHz



Frequency > 1 GHz



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			

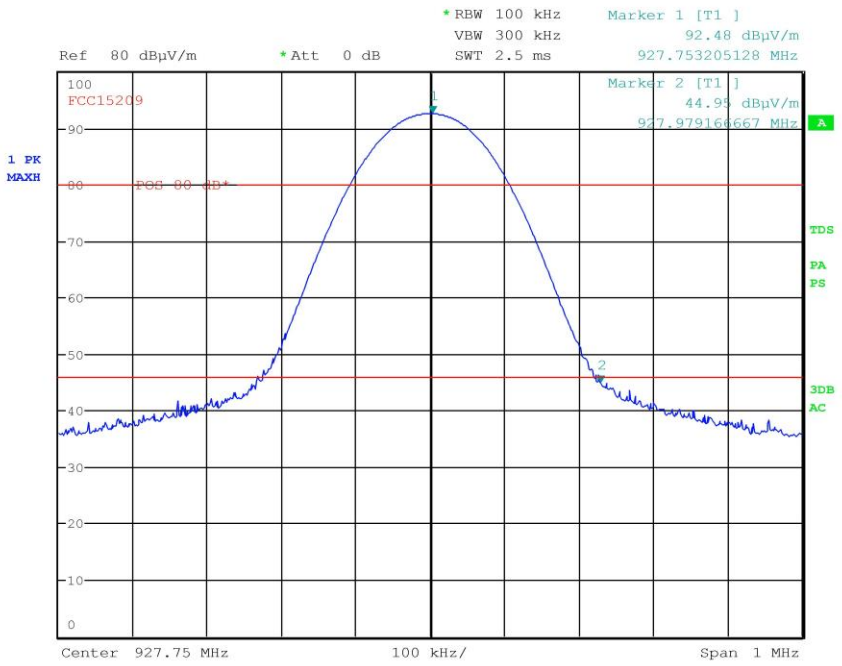
Frequency (MHz)	*Graph(s)*	*Results*	
915,05	G14170830	F_L: 914,808012 MHz	Complies
	G14170831		
927,75	G14170822	F_H: 927,993846 MHz	Complies
	G14170823		
Remarks: 43 Vac power supply, external antenna			

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

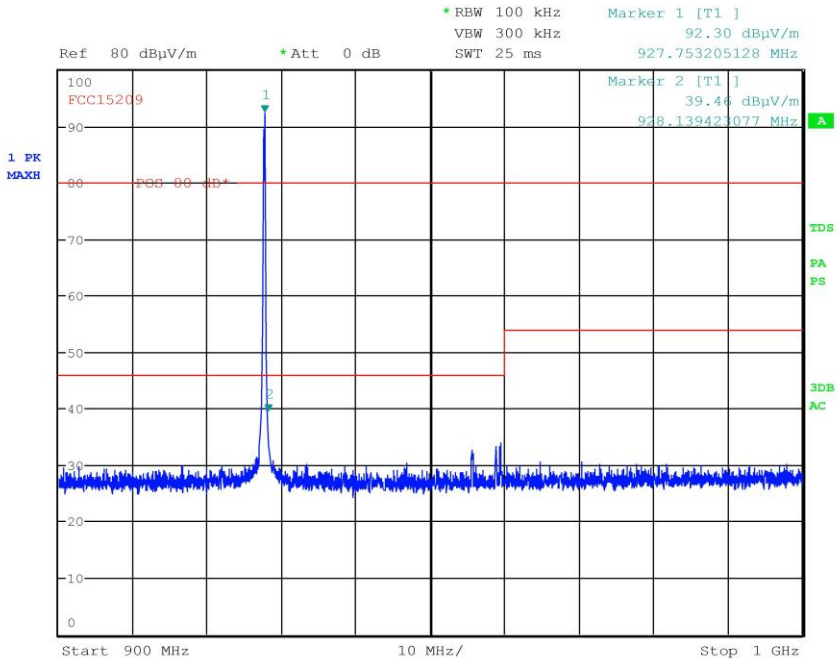
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Ant. Ext. 5m - Fmax
Operator Gandini 14138919
Test Spec
Vert



G14138920

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

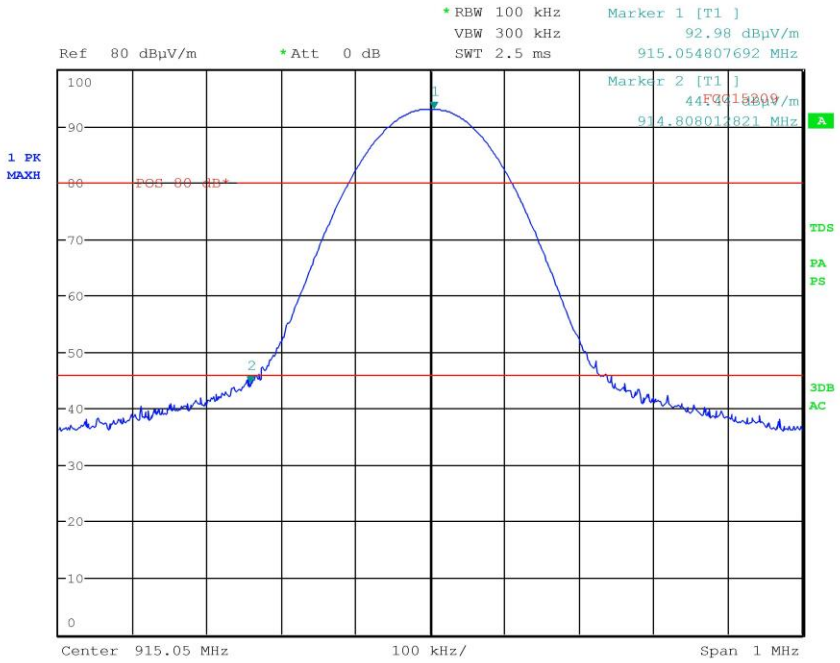
Vert



G14138927

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

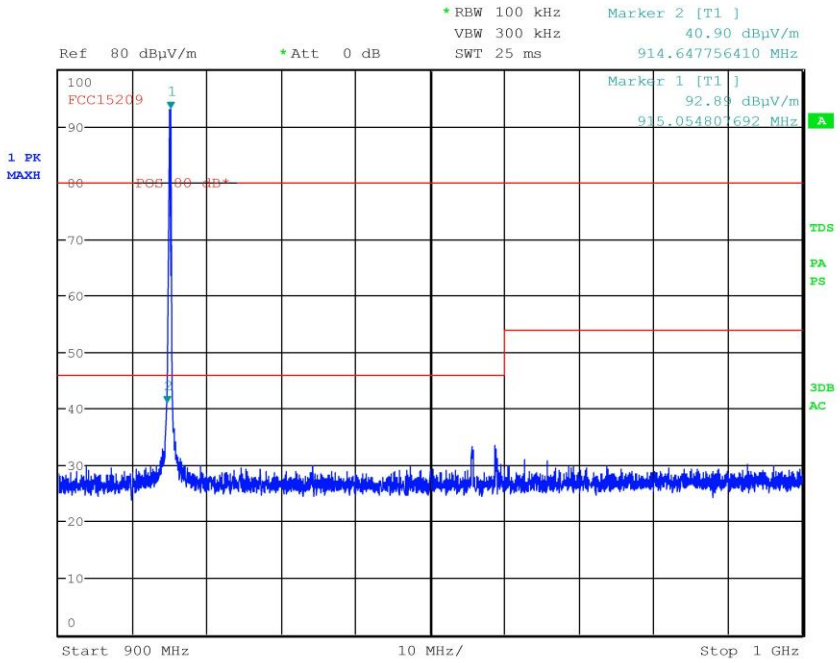
Vert



G14138928

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	Tx - Ant. Ext. 5m - Fmin
Operator	Gandini 14138928
Test Spec	

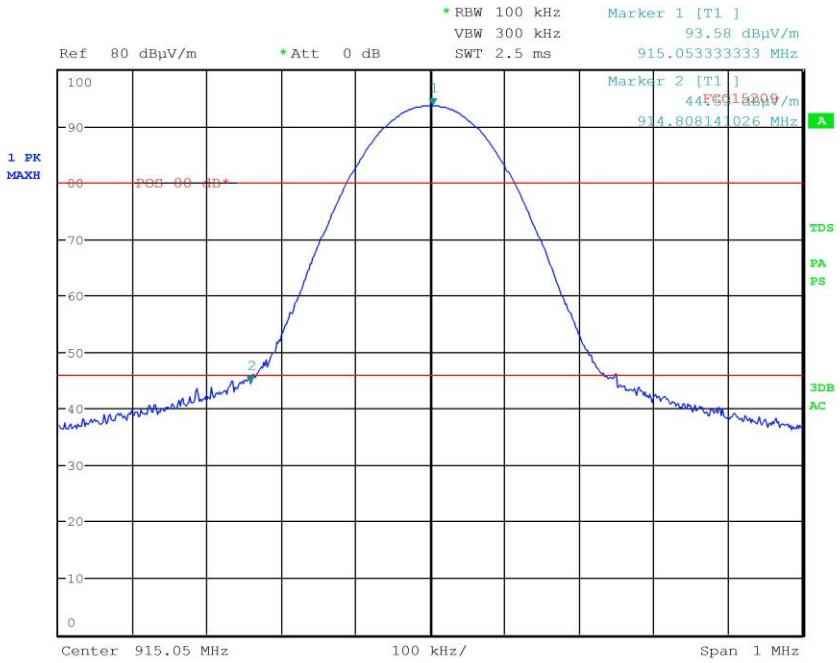
Vert



G14138936

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

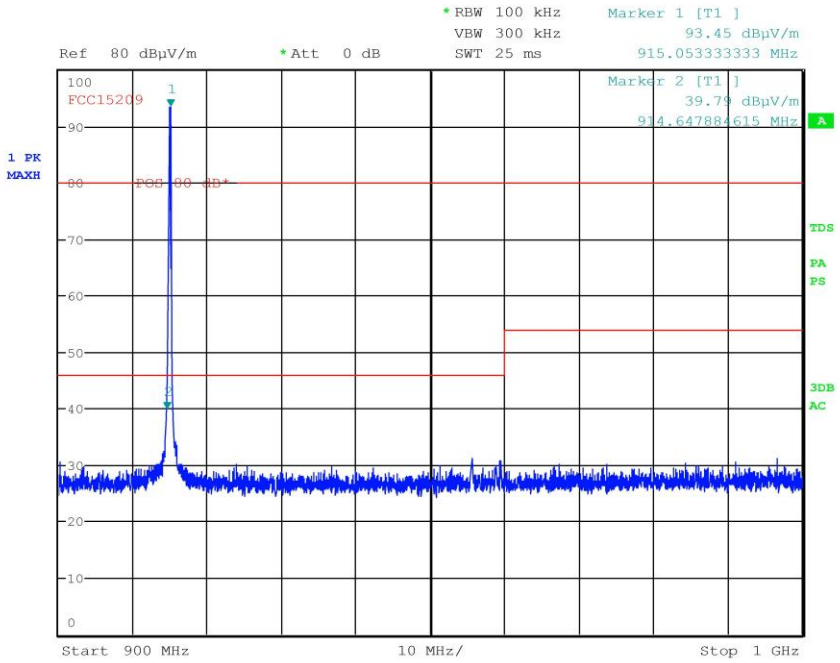
Vert



G14138937

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

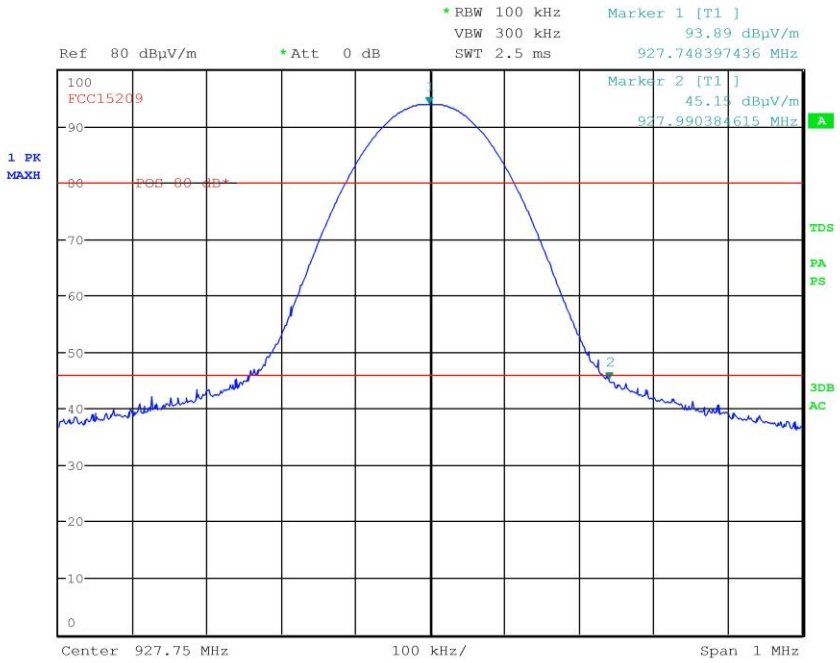
Vert



G14138940

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

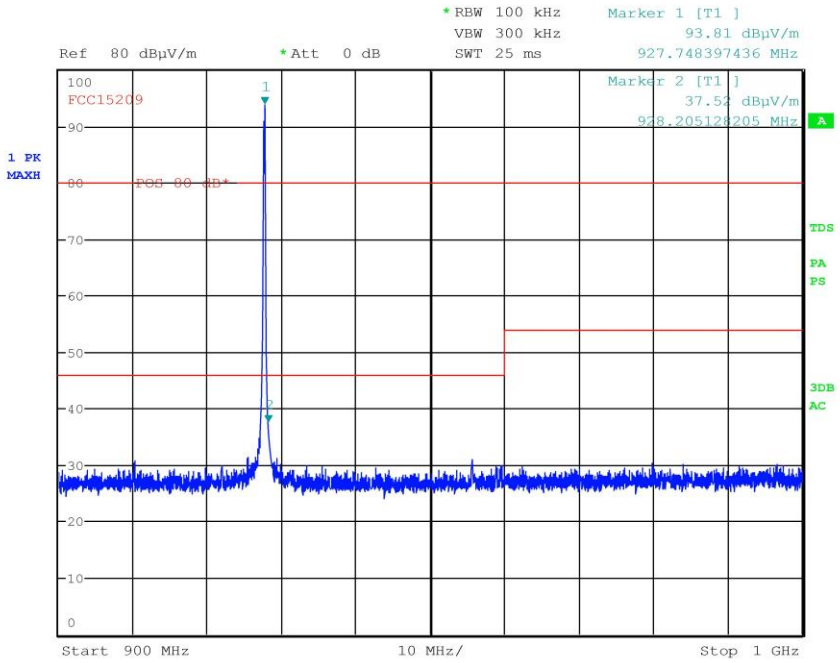
Vert



G14138941

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

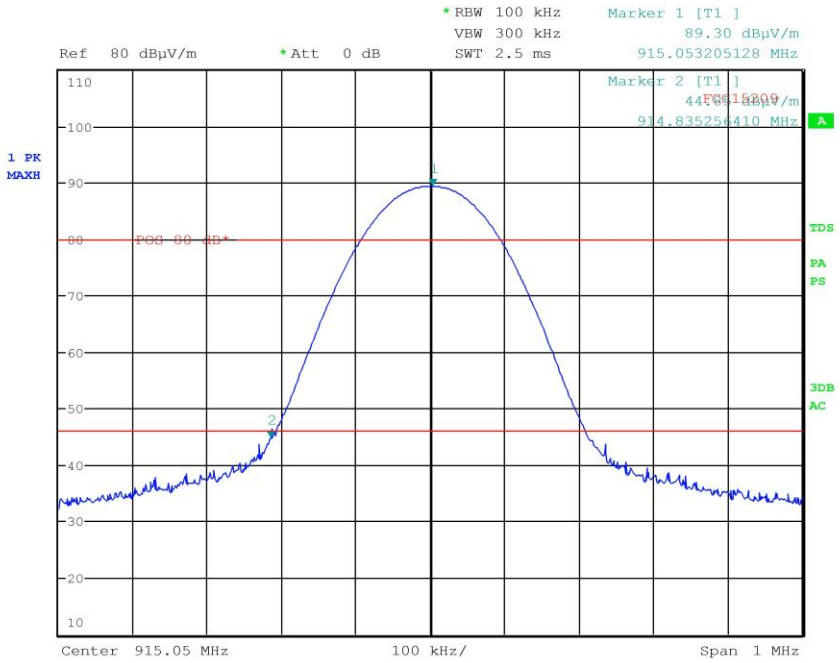
Vert



G14170803

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

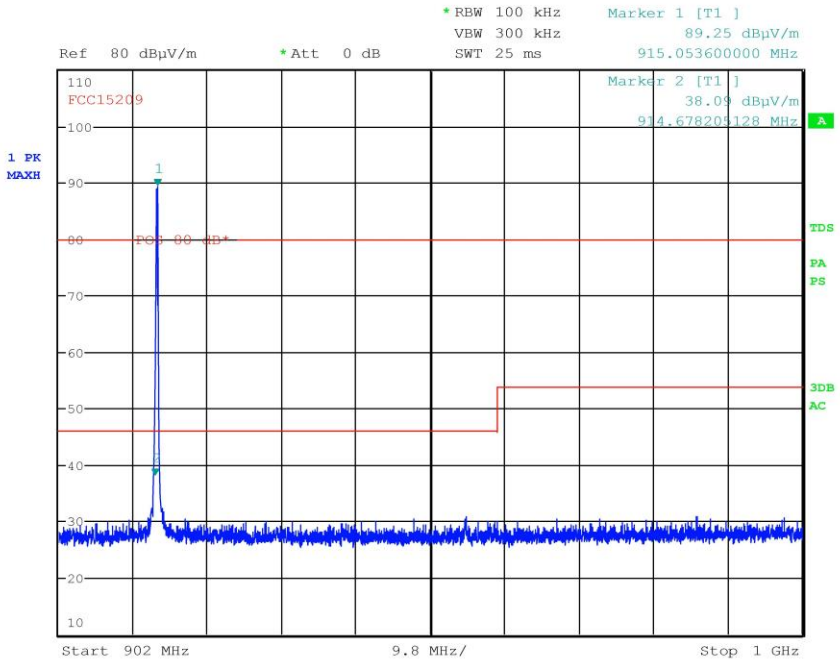
Horiz



G14170804

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	Tx-Rx - Fmin - Ant.Int.
Operator	Gandini 14170804
Test Spec	

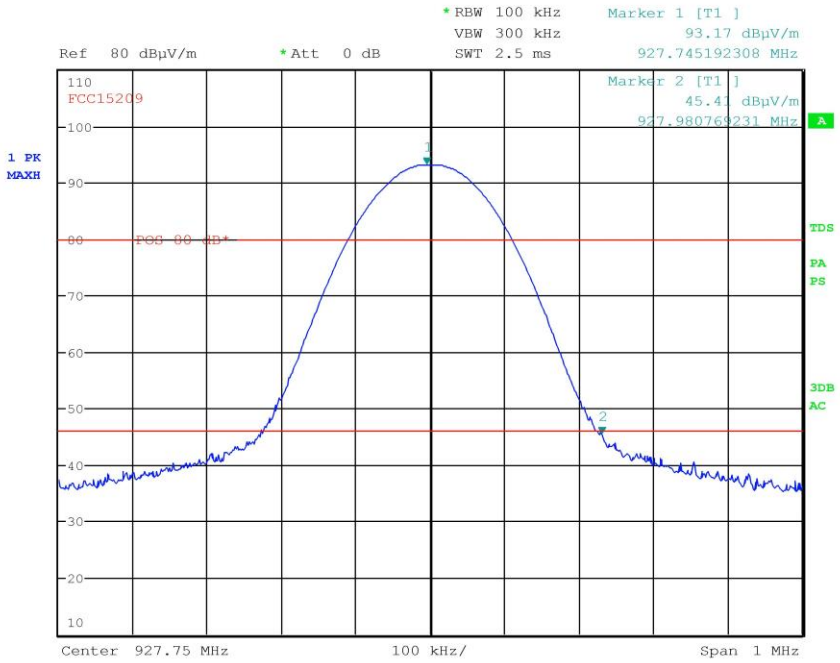
Horiz



G14170810

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

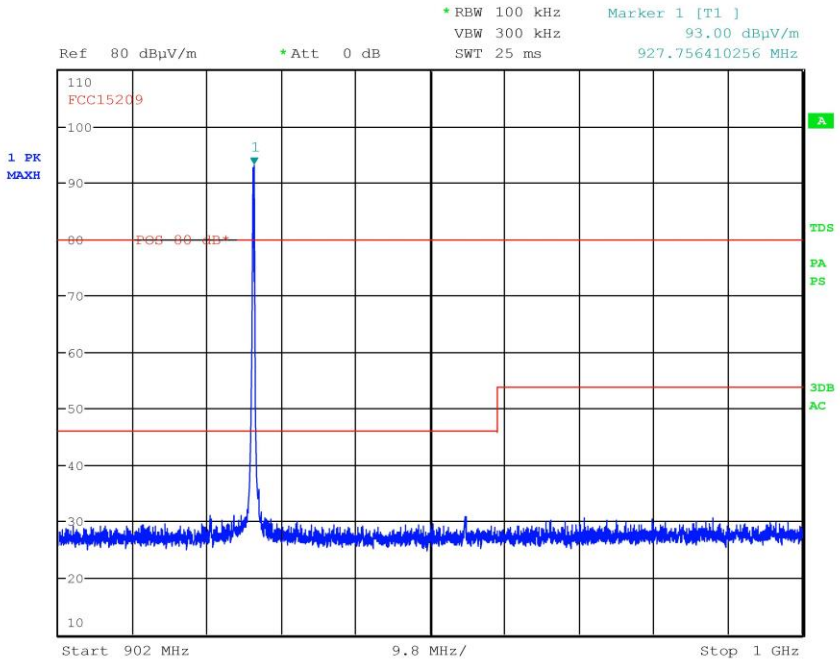
Horiz



G14170811

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

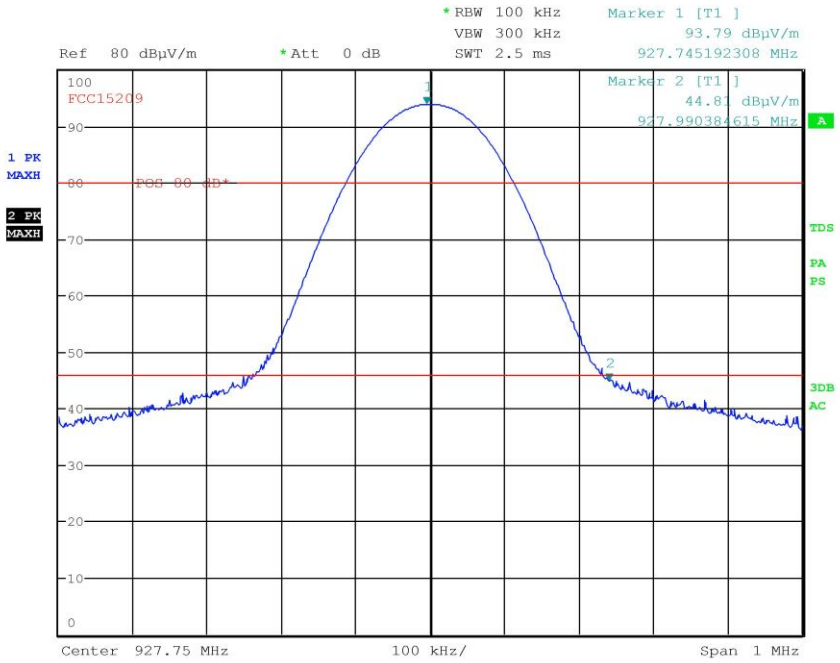
Horiz



G14170822

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

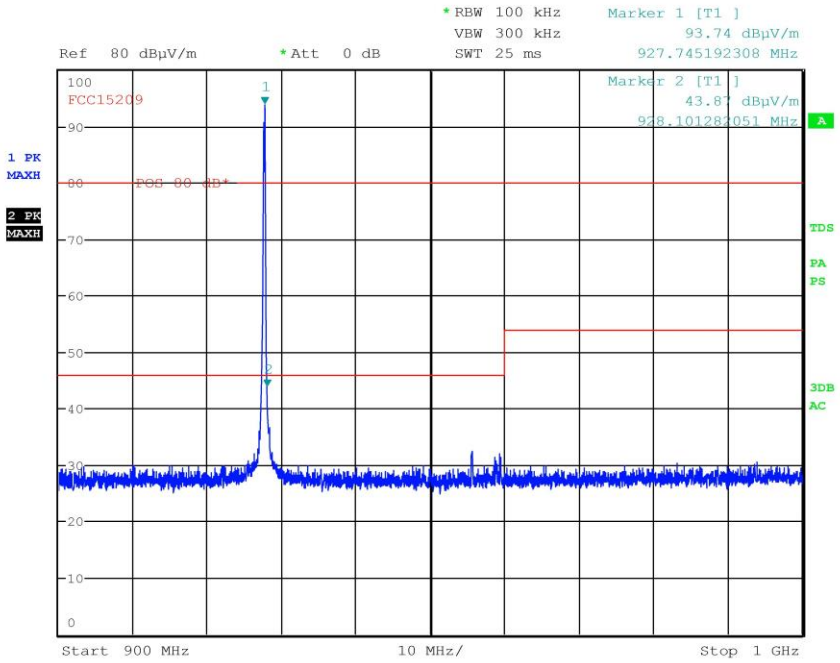
Vert



G14170823

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

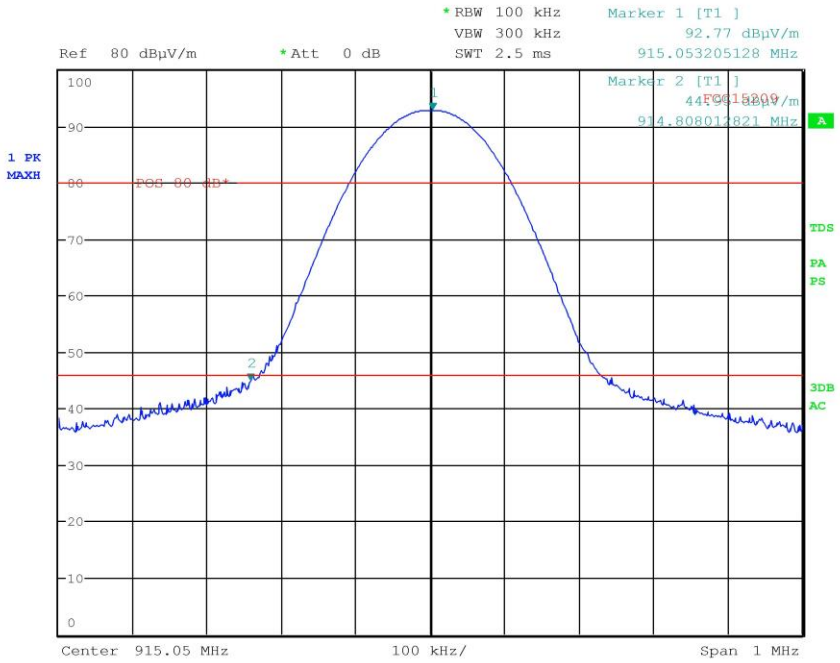
Vert



G14170830

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

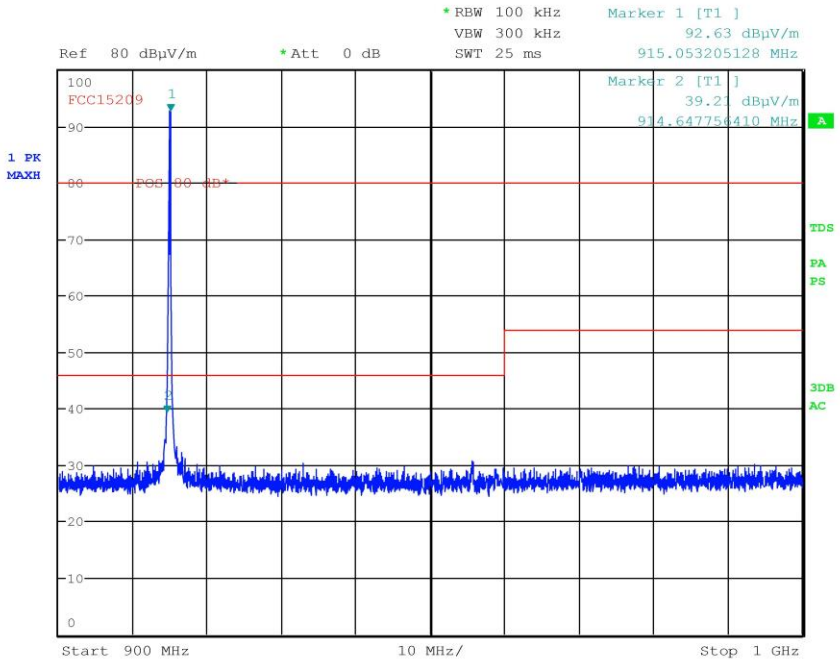
Vert



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

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

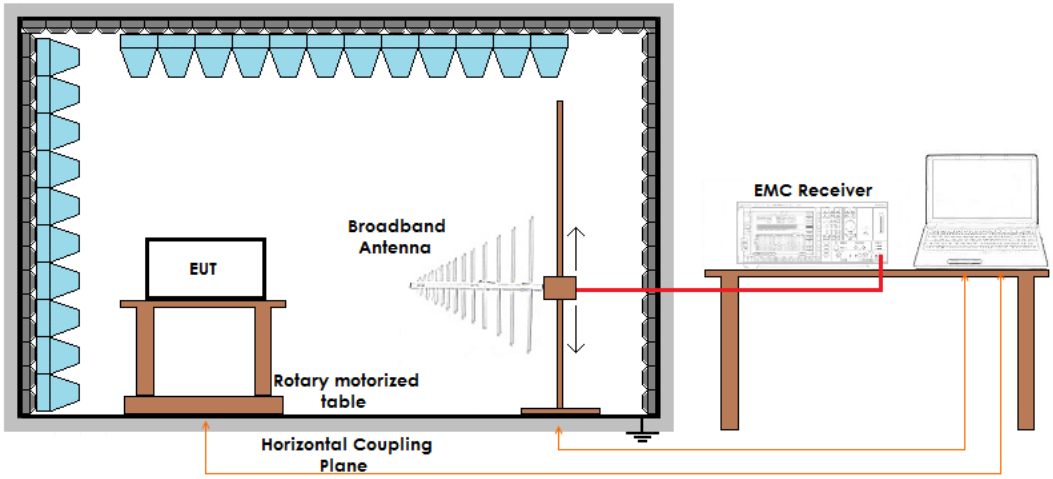
Temperature (°C)	*Atmospheric pressure (kPa)*	*Relative humidity (%)*
22	100	45

Acceptance limits

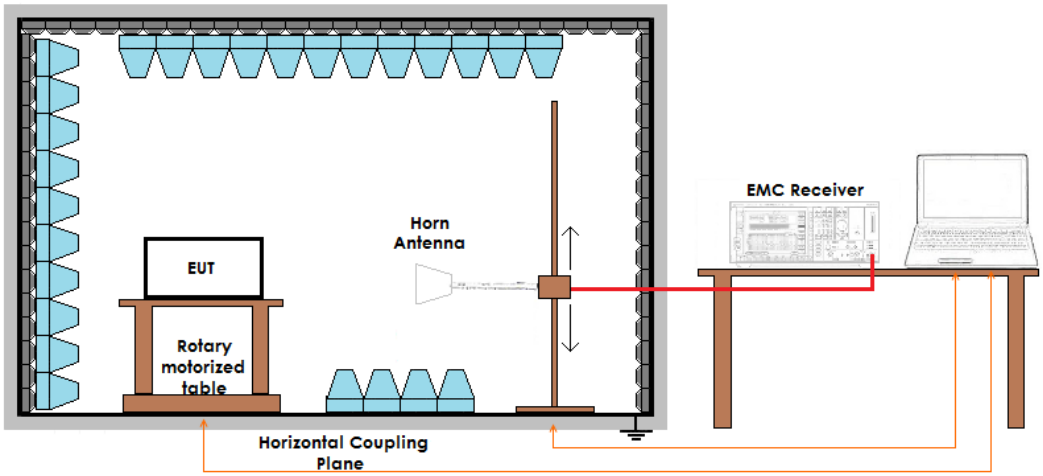
Frequency (MHz)	*AV limits [dB(µV/m)]*	*Peak limits [dB(µV/m)]*
> 1000	54	74

Setup

Frequency ≤ 1 GHz



Frequency > 1 GHz



Result – AV detector

Harmonic	Limits (dBµV/m)	Level (dBµV/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 (dBµV/m)	Level (dBµV/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 (dBµV/m)*	*Level (dBµV/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 (dBµV/m)*	*Level (dBµV/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