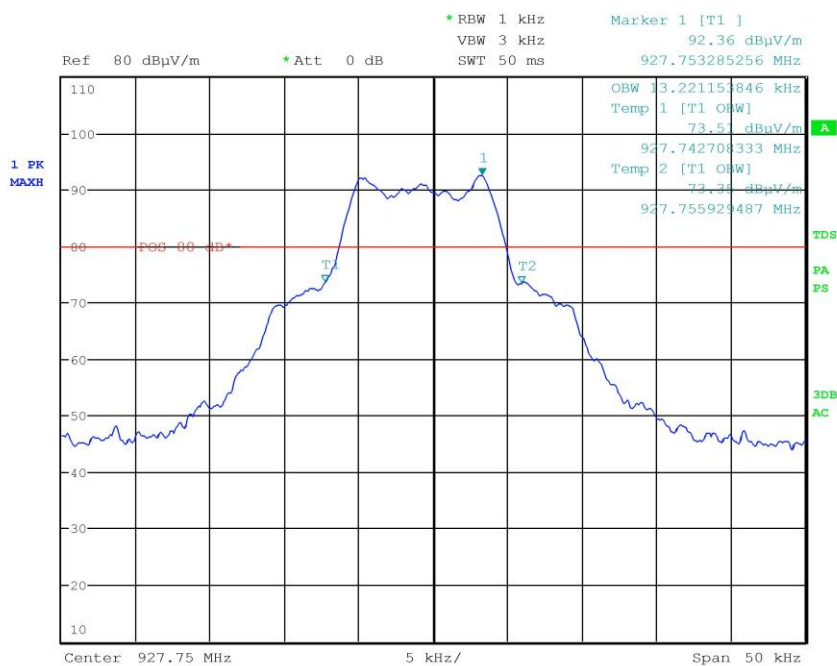




Graphs

G14082013

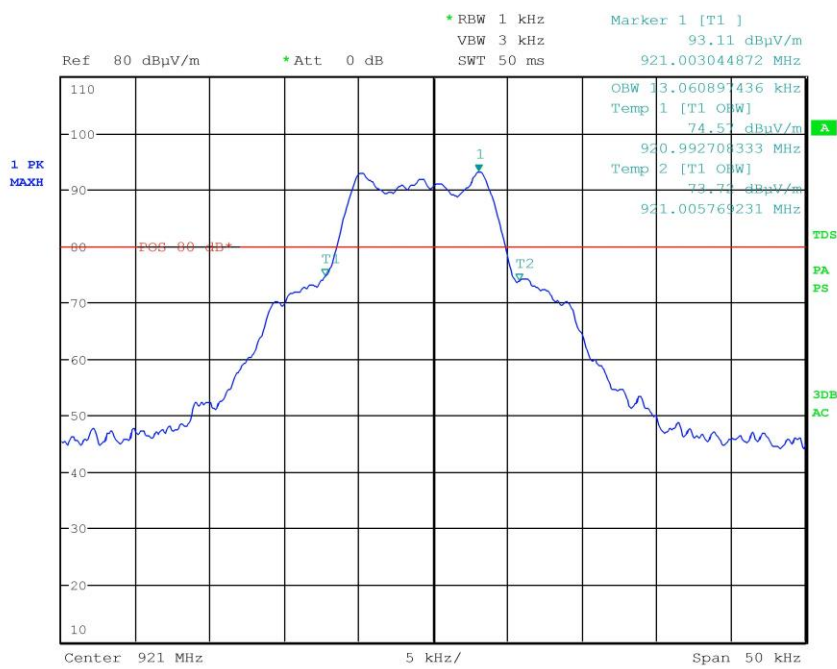
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant.5m
Operator Gandini 14082013
Test Spec
Vert





G14082017

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmed - Ant.5m
Operator Gandini 14082017
Test Spec
Vert

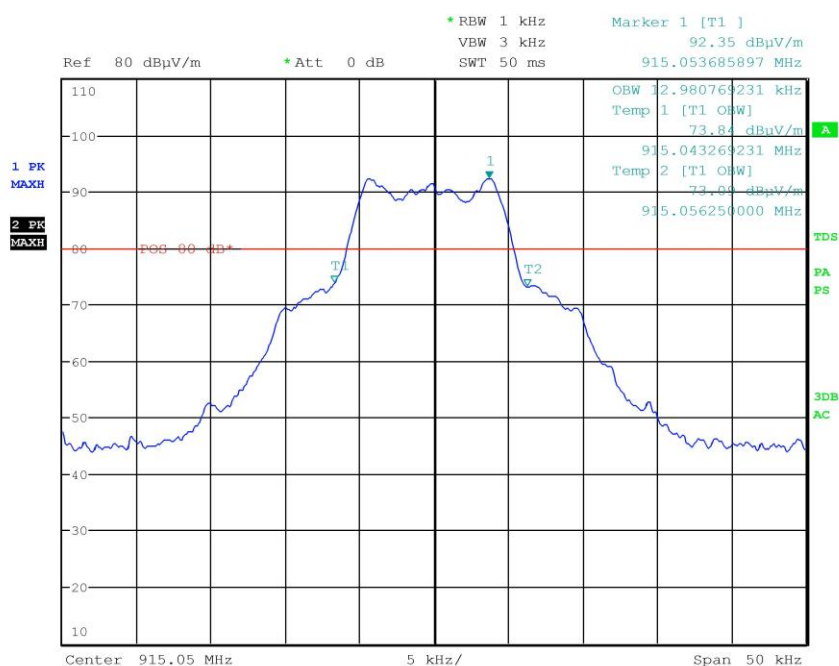


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G14082021

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant.5m
Operator Gandini 14082021
Test Spec
Vert

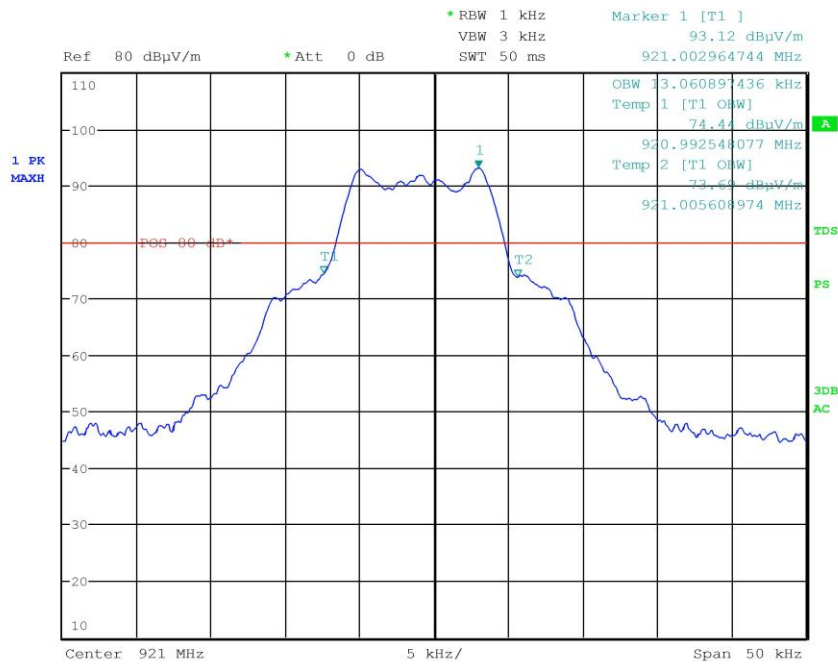


CMC Centro Misure Compatibilità S.r.l.



G14082029

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmed - Ant.int.
Operator Gandini 14082029
Test Spec
 Vert

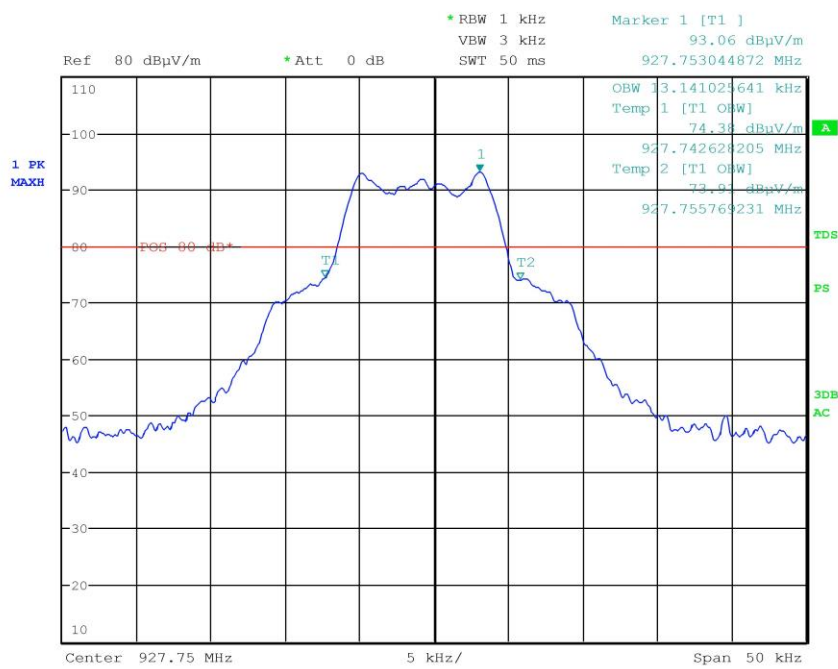


CMC Centro Misure Compatibilità S.r.l.



G14082034

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant.int.
Operator Gandini 14082034
Test Spec
Horiz

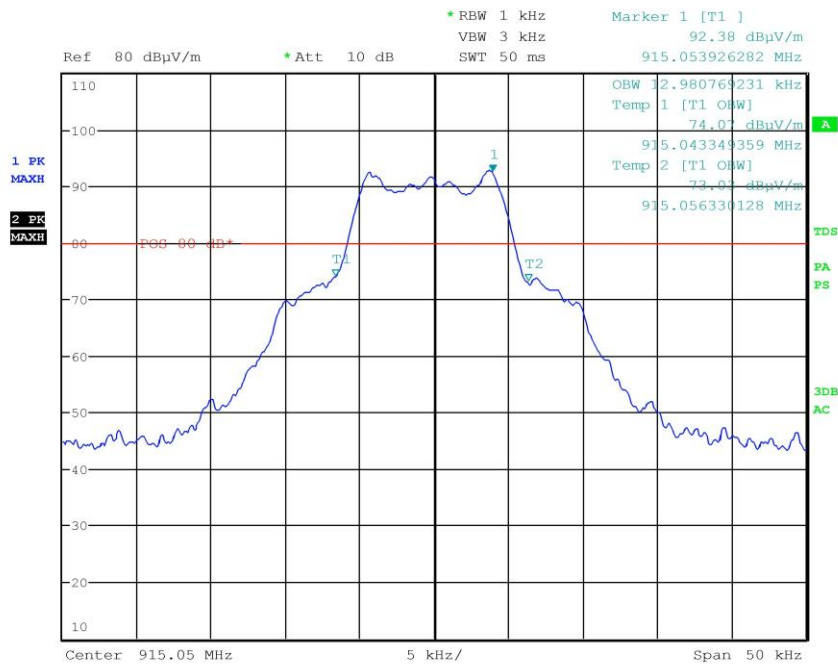


CMC Centro Misure Compatibilità S.r.l.



G14082040

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant.int.
Operator Gandini 14082040
Test Spec
Horiz



Result: The requirements are met

CMC Centro Misure Compatibilità S.r.l.



11.5 Peak Output Power

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.209 and Part 15.249
- RSS-210
- 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

Environmental conditions

Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
20	99	48

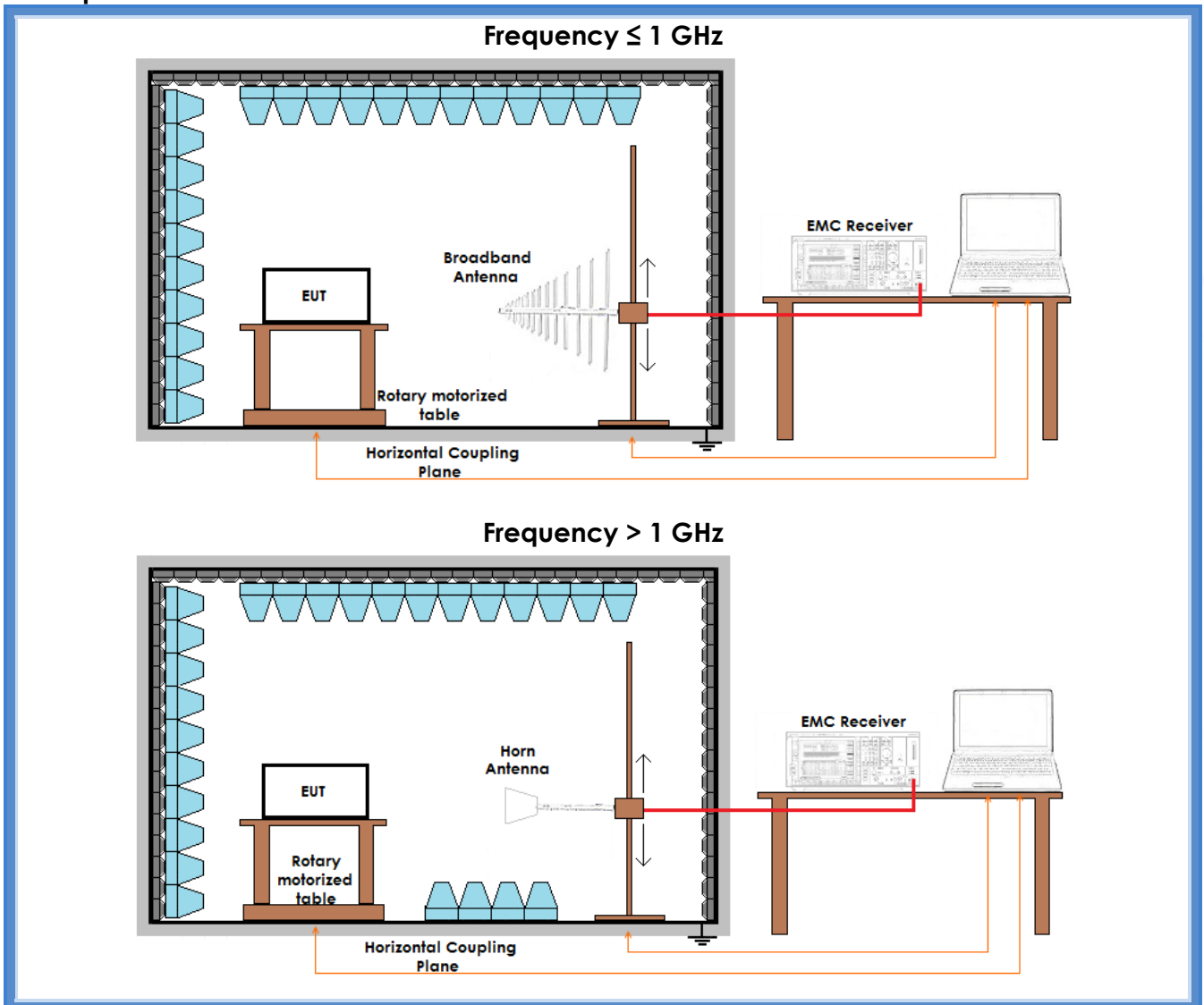
Acceptance limits

Frequency range (MHz)	RF Power Output dB(μV/m)
902 – 928	94

Frequency range (MHz)	RF Power Output dB(μV/m)
2400 – 2483,5	94



Setup



CMC Centro Misure Compatibilità S.r.l.



Result

Frequency (MHz)	Polarization	Graphs	Measured QP level (dB μ V/m)	Peak Output Power (mW)	Remarks
915,050	Horizontal	G14082037	93,65	0,69	Antenna: Embedded
915,050	Vertical	G14082036	93,49	0,6	
921,000	Horizontal	G14082030	93,22	0,63	
921,000	Vertical	G14082028	93,96	0,75	
927,750	Horizontal	G14082032	93,97	0,75	
927,750	Vertical	G14082025	93,94	0,74	
915,050	Horizontal	G14082022	86,41	0,13	Antenna: External
915,050	Vertical	G14082018	93,59	0,69	
921,000	Horizontal	G14082015	85,20	0,10	
921,000	Vertical	G14082016	93,93	0,74	
927,750	Horizontal	G14082014	85,43	0,114	
927,750	Vertical	G14082010	93,31	0,64	

Remarks

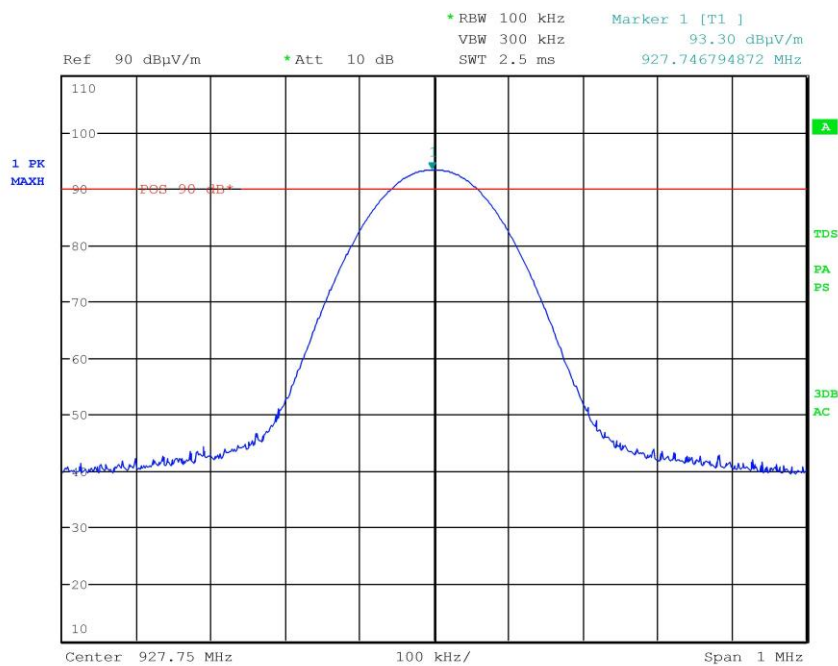
//////////



Graphs

G14082010

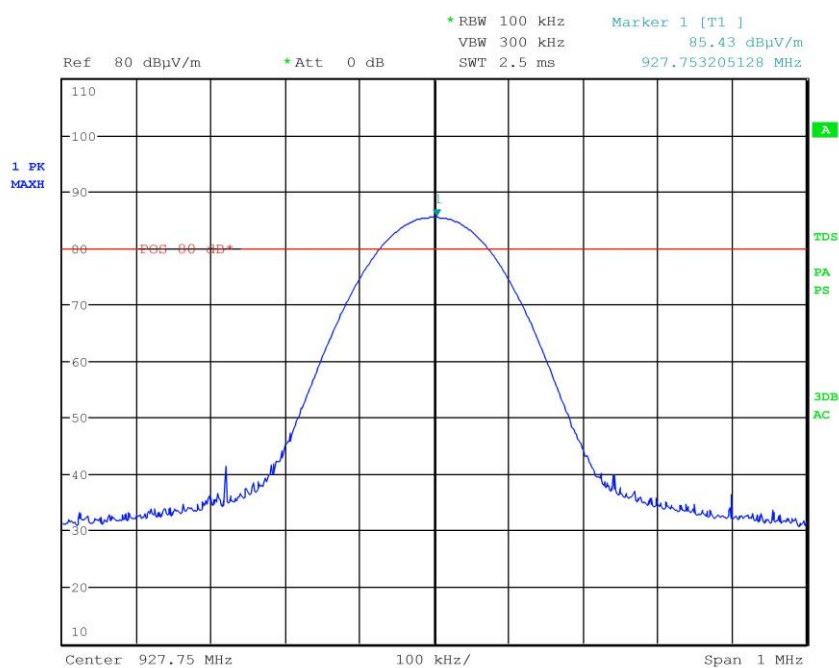
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant.5m
Operator Gandini 14082010
Test Spec
Vert





G14082014

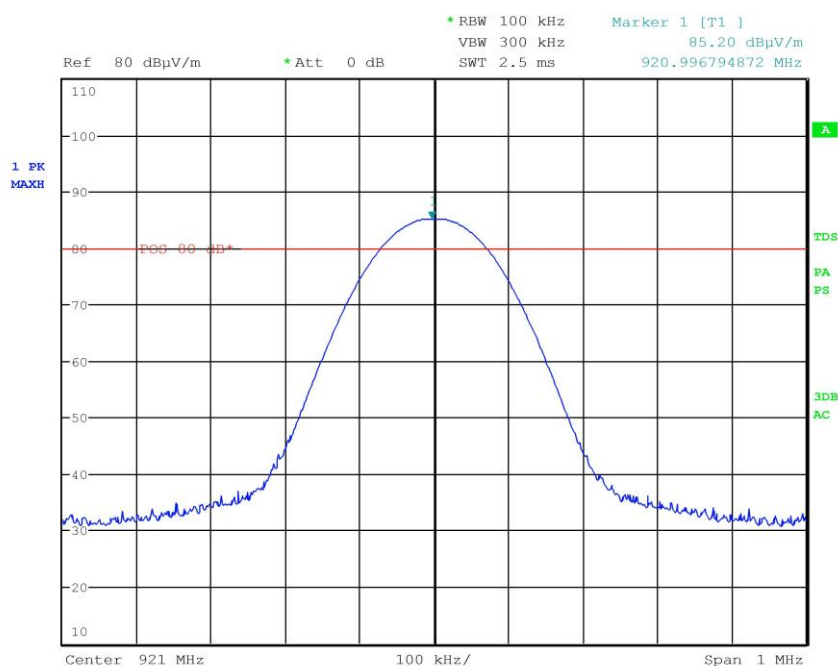
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant.5m
Operator Gandini 14082014
Test Spec
Horiz





G14082015

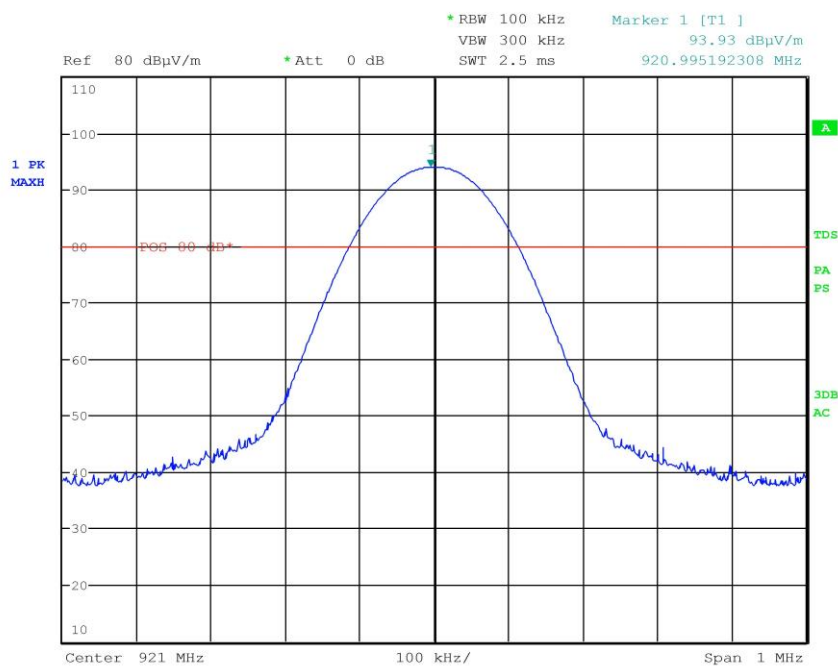
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmed - Ant.5m
Operator Gandini 14082015
Test Spec
Horiz





G14082016

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmed - Ant.5m
Operator Gandini 14082016
Test Spec
Vert

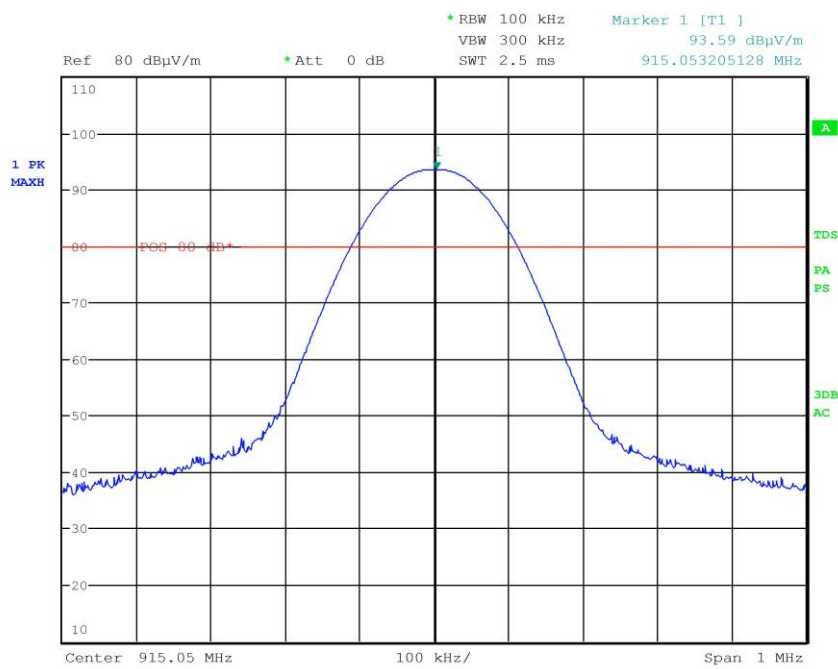


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G14082018

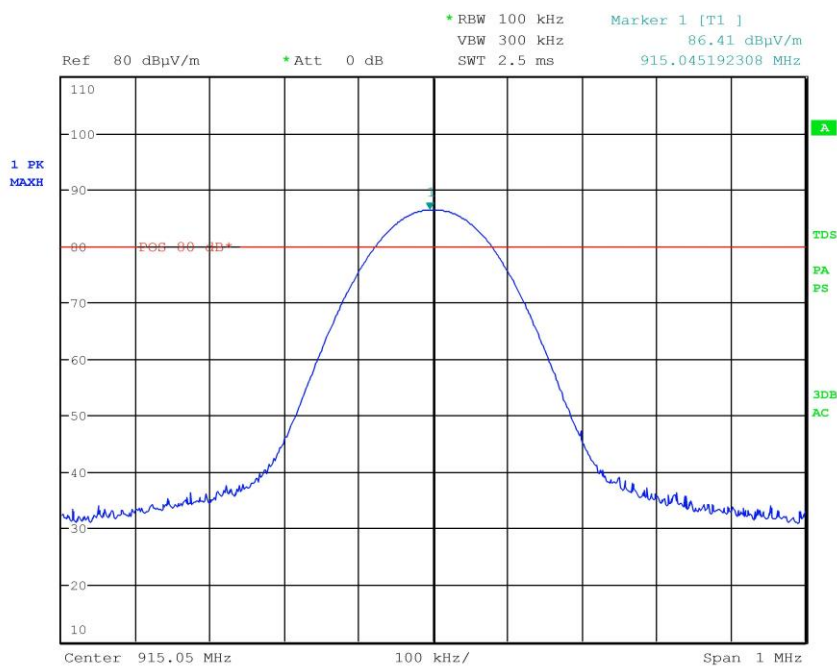
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant.5m
Operator Gandini 14082018
Test Spec
Vert





G14082022

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant.5m
Operator Gandini 14082022
Test Spec
Horiz

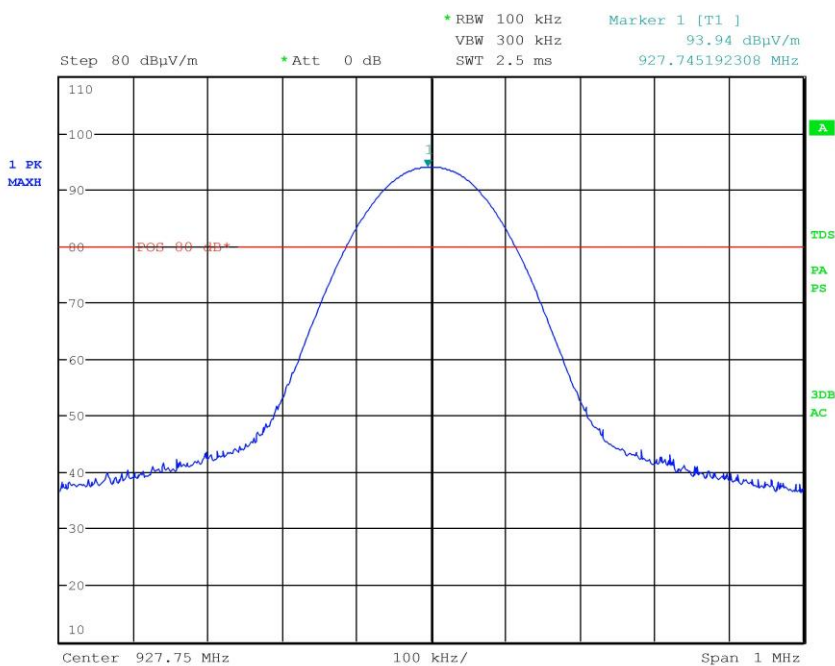


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G14082025

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant.int.
Operator Gandini 14082025
Test Spec
 Vert

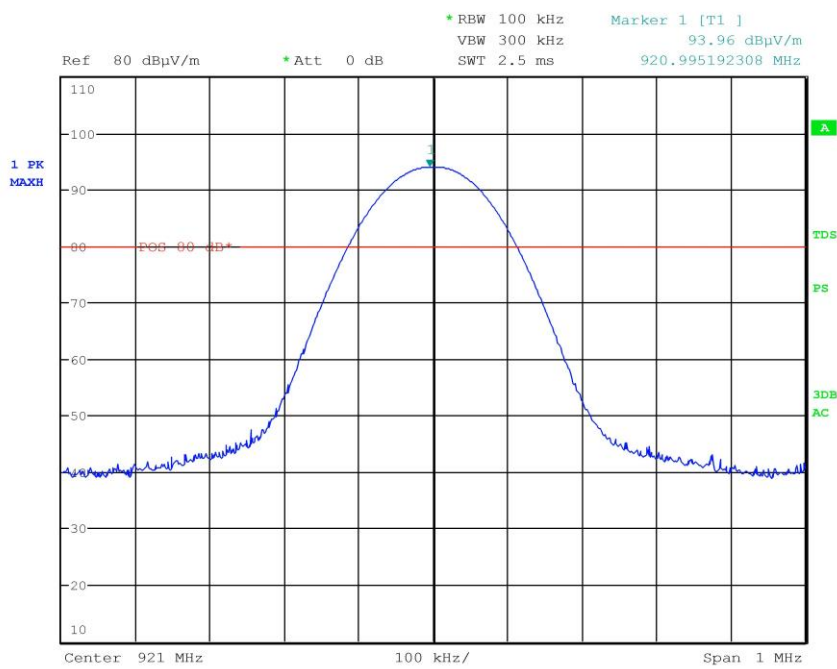


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G14082028

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmed - Ant.int.
Operator Gandini 14082028
Test Spec
Vert

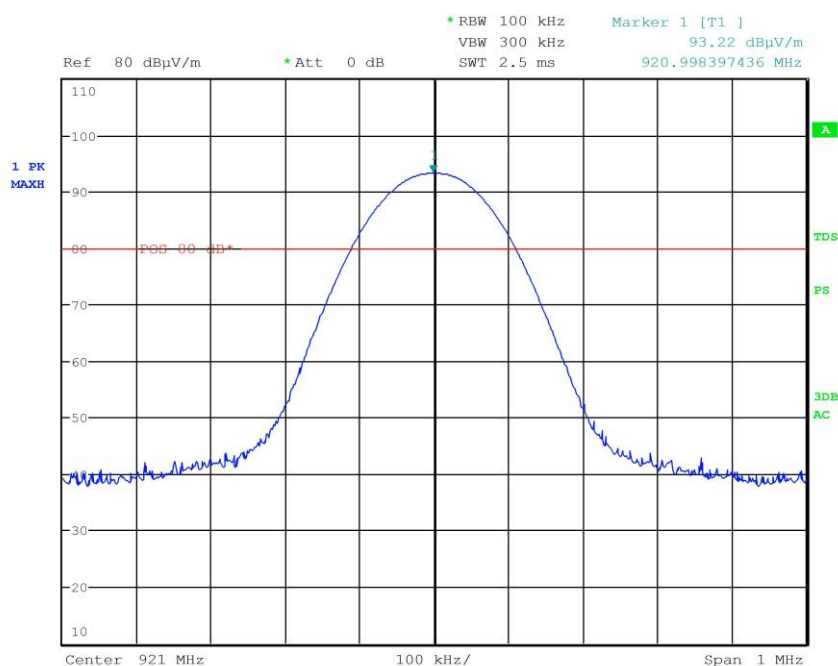


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G14082030

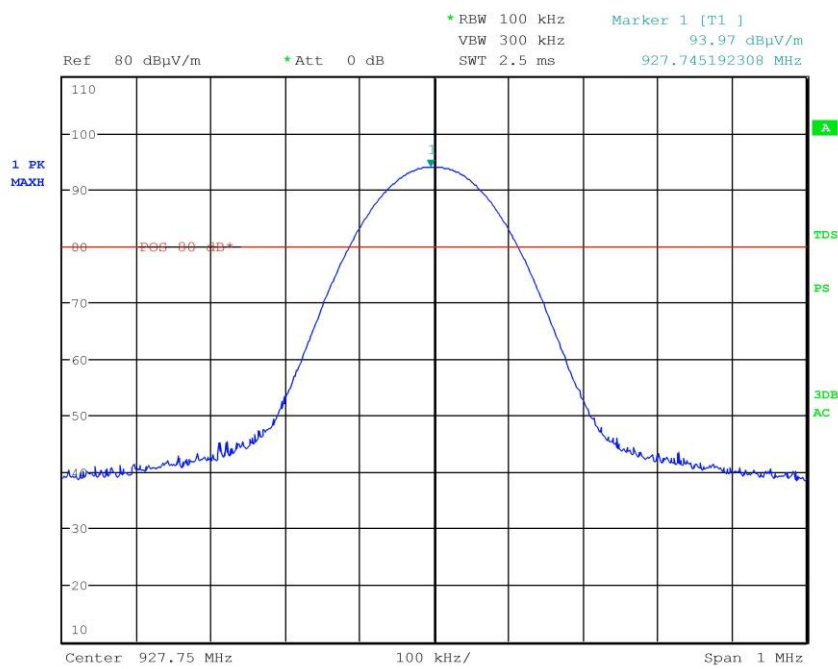
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmed - Ant.int.
Operator Gandini 14082030
Test Spec
Horiz





G14082032

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant.int.
Operator Gandini 14082032
Test Spec
Horiz

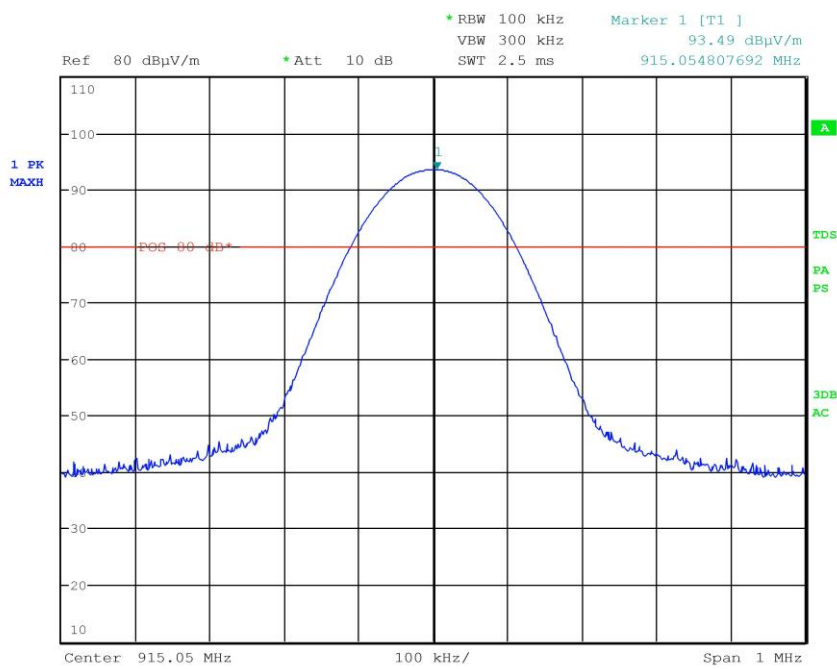


CMC Centro Misure Compatibilità S.r.l.



G14082036

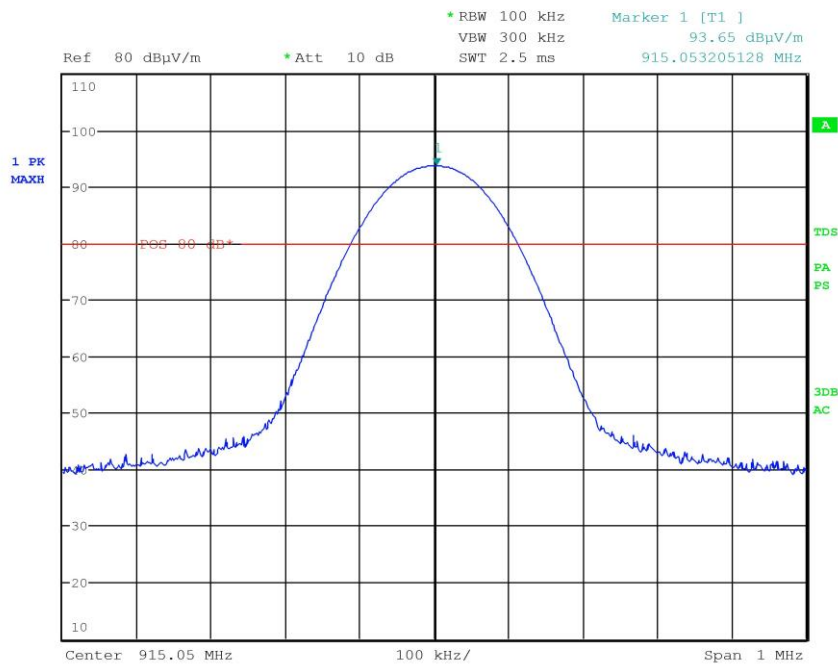
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant.int.
Operator Gandini 14082036
Test Spec
Vert





G14082037

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant.int.
Operator Gandini 14082037
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)
- RSS-210
- 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

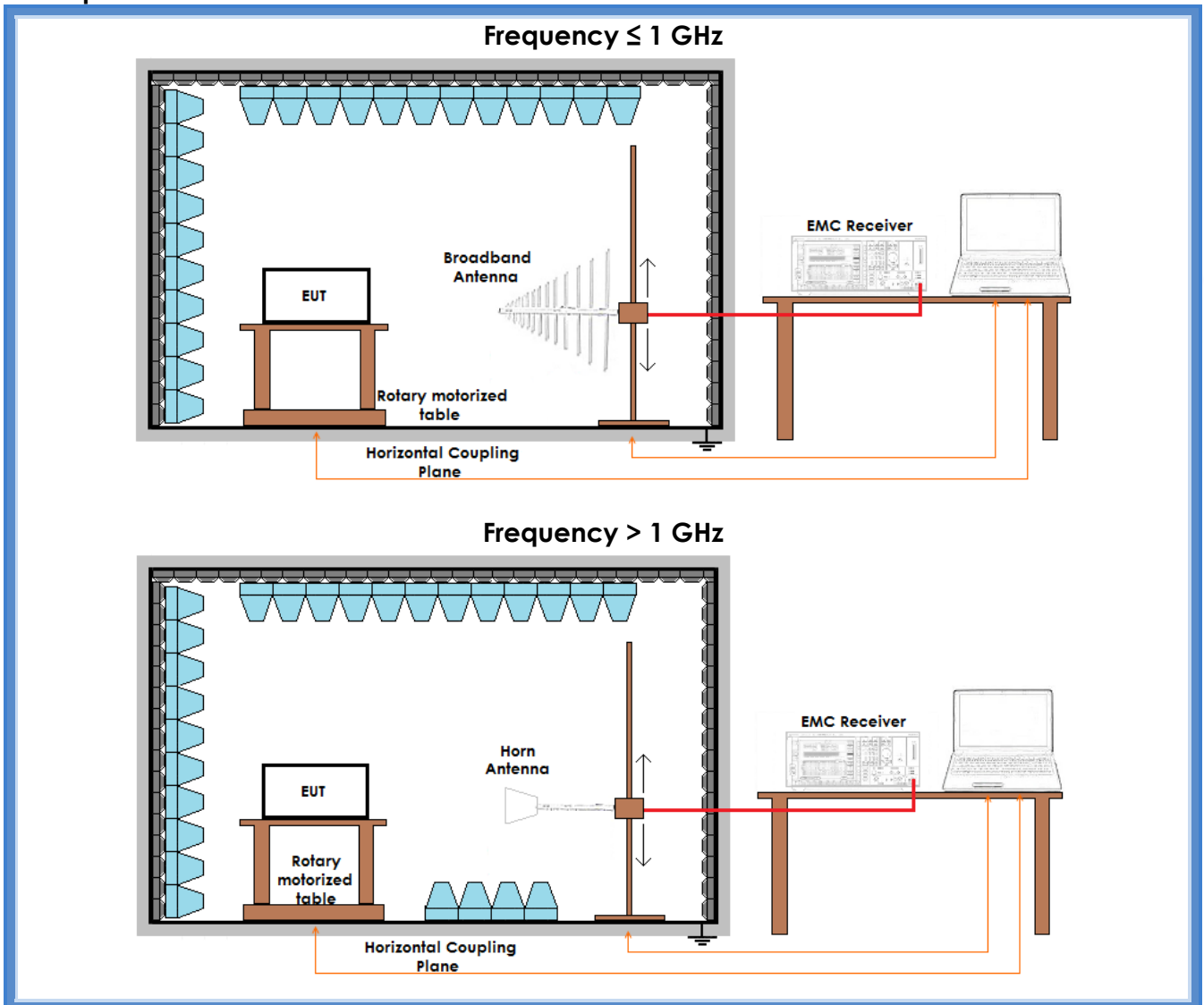
Environmental conditions

Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
21	98	48

Acceptance limits: operation within the band 902 – 928 MHz



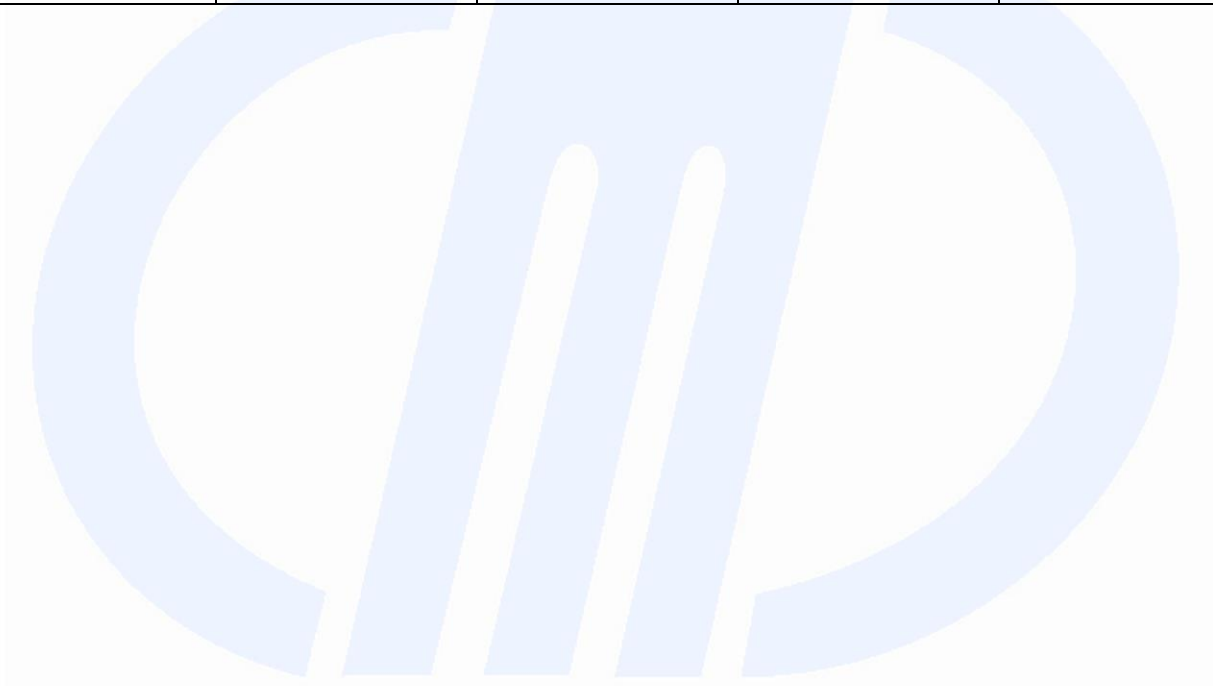
Setup





Result

Frequency (MHz)	Graph(s)	Results		Remarks
915,050	G14082038	FL: 914,771 MHz	Complies	Antenna: Embedded
	G14082039			
927,750	G14082033	FH: 927,745 MHz	Complies	
	G14082035			
915,050	G14082019	FL: 914,813 MHz	Complies	Antenna: External
	G14082020			
927,750	G14082011	FH: 927,989 MHz	Complies	
	G14082012			





CMC
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Via dell' Elettronica, 12/C
36016 Thiene (VI)

Graphs

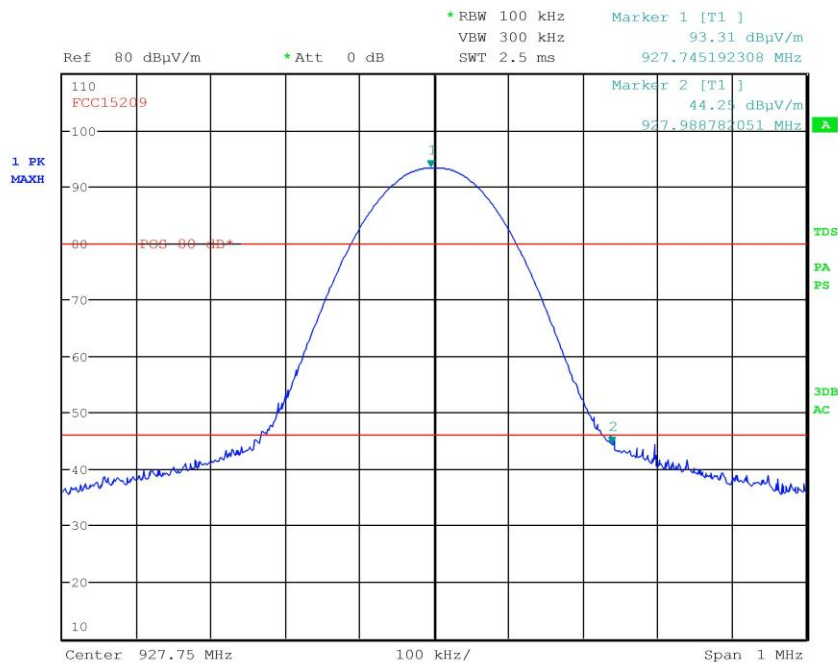
G14082011



CMC Centro Misure Compatibilità S.r.l.



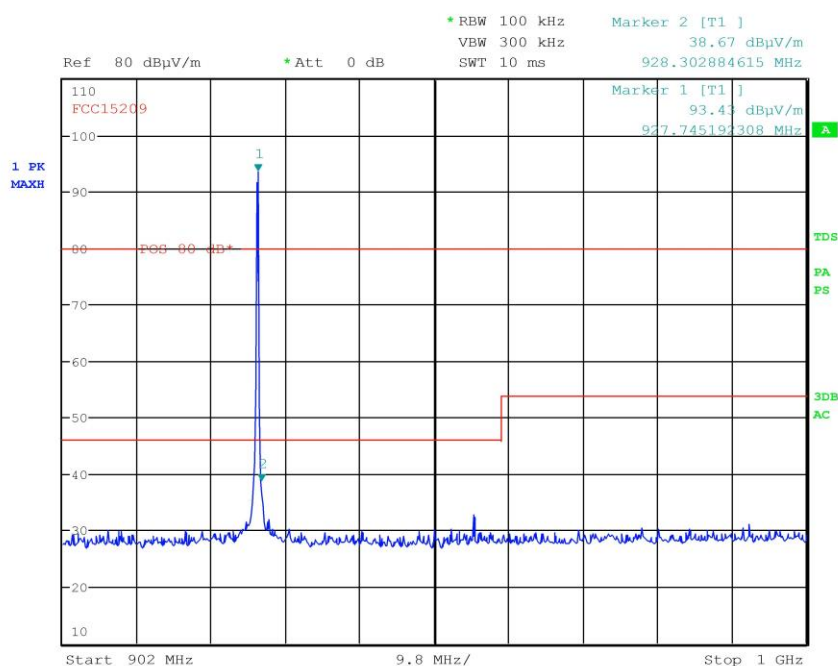
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant.5m
Operator Gandini 14082011
Test Spec
Vert





G14082012

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant.5m
Operator Gandini 14082012
Test Spec
Vert

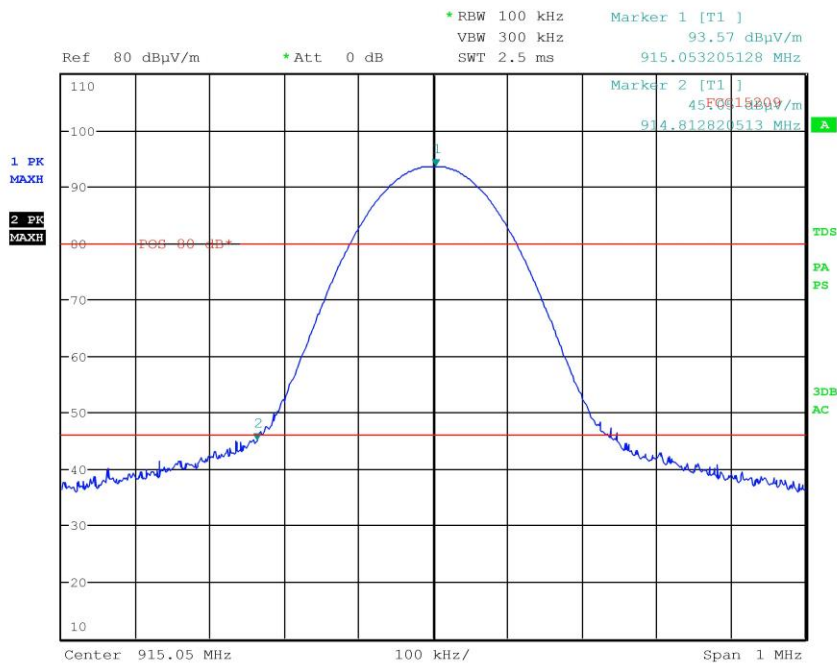


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G14082019

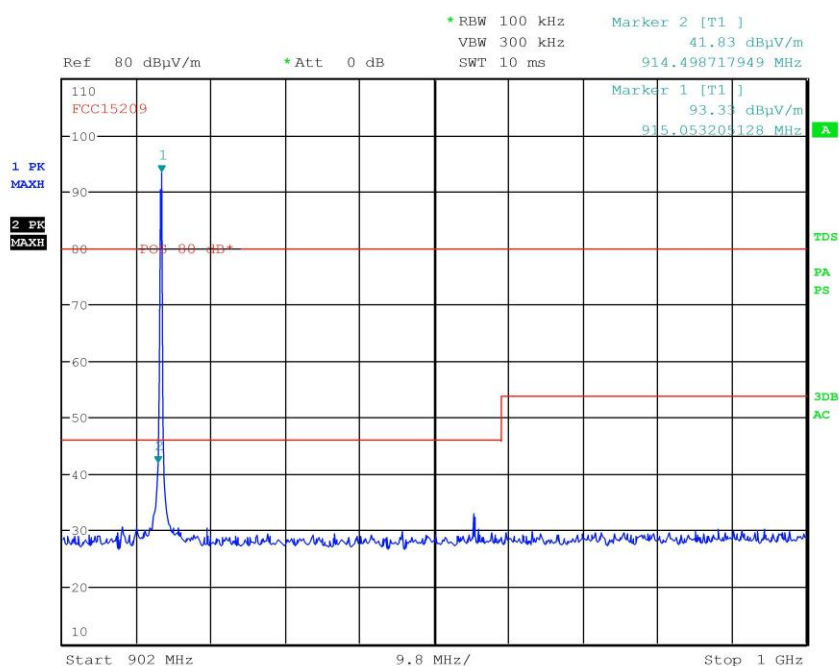
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant.5m
Operator Gandini 14082019
Test Spec
Vert





G14082020

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant.5m
Operator Gandini 14082020
Test Spec
Vert

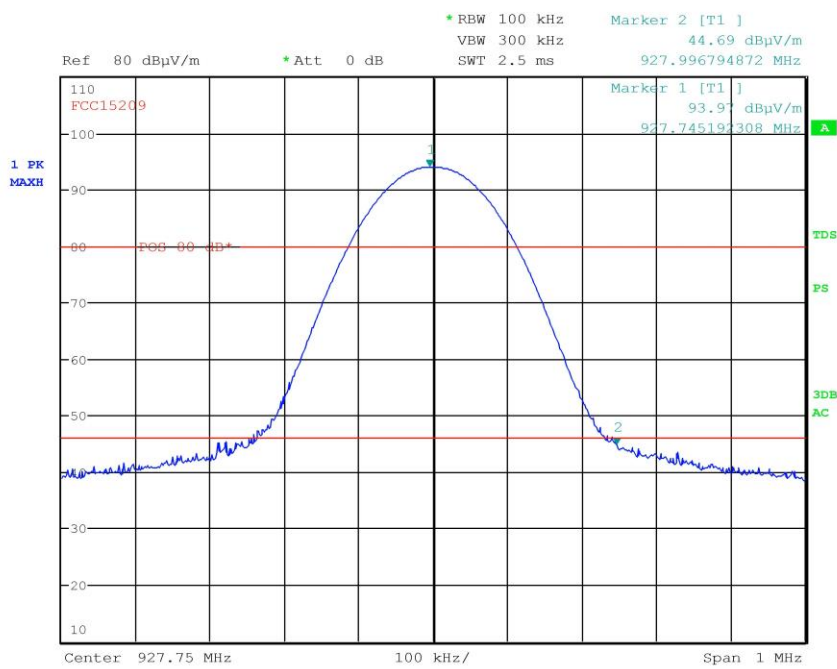


CMC Centro Misure Compatibilità S.r.l.



G14082033

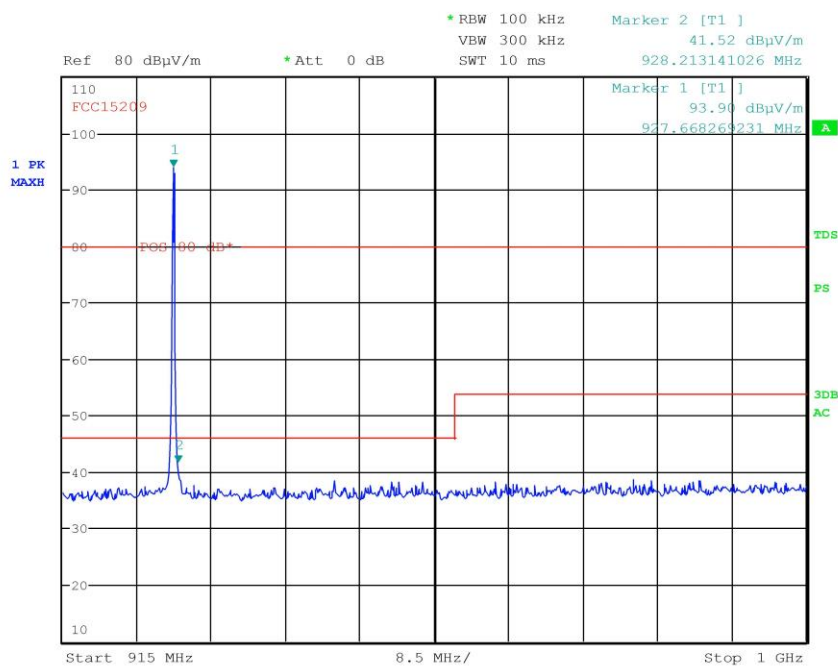
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant.int.
Operator Gandini 14082033
Test Spec
Horiz





G14082035

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant.int.
Operator Gandini 14082035
Test Spec
Horiz

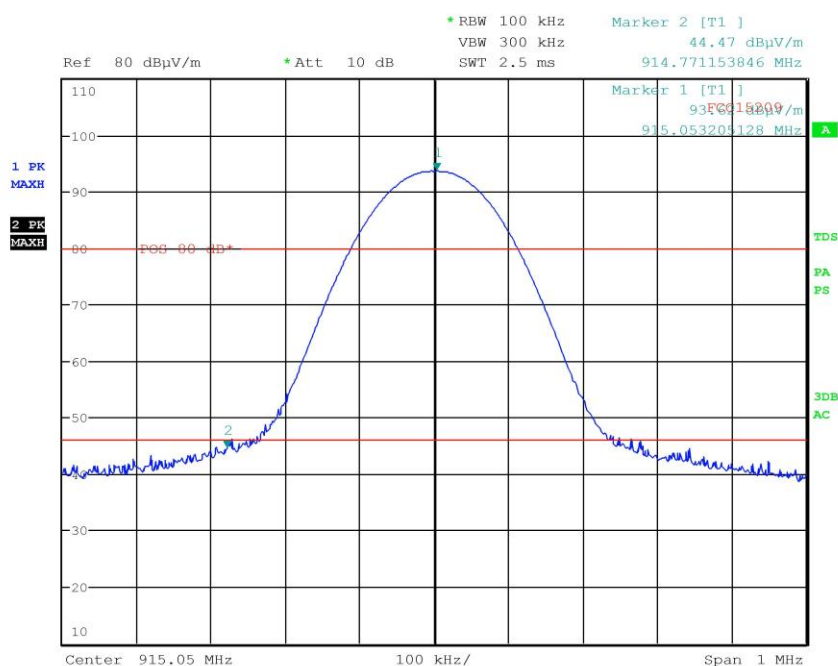


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G14082038

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant.int.
Operator Gandini 14082038
Test Spec
Horiz

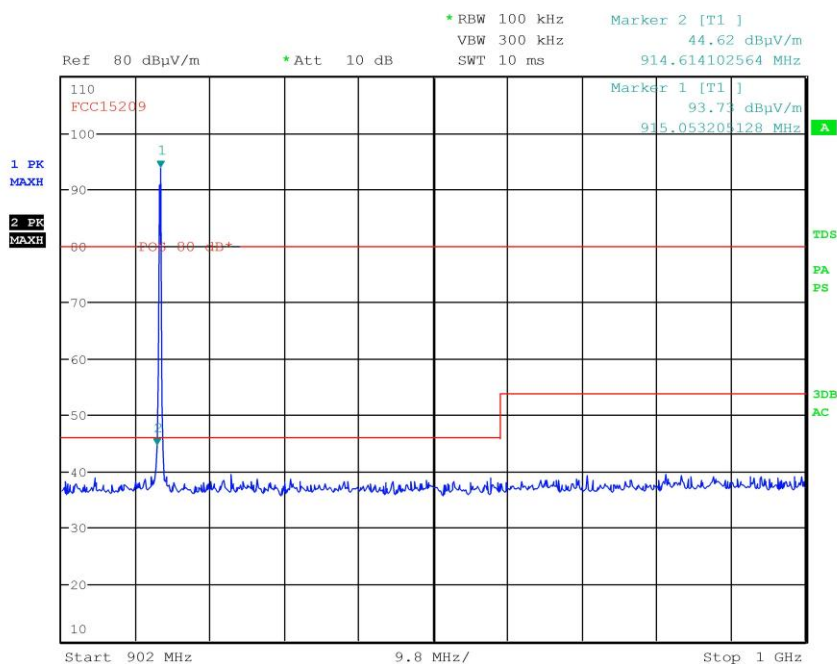


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G14082039

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant.int.
Operator Gandini 14082039
Test Spec
Horiz



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
- RSS-210
- 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

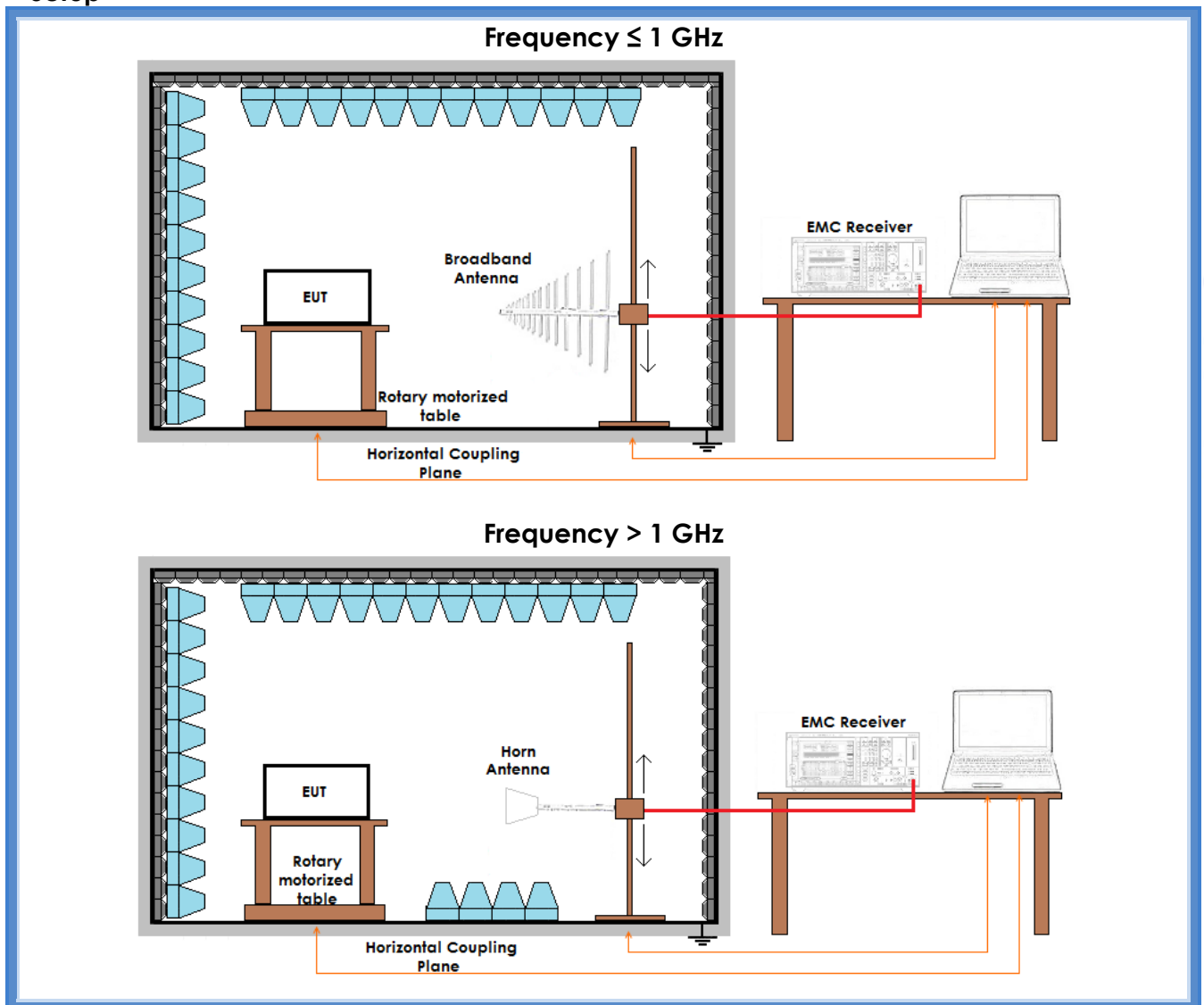
Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
22	98	48

Acceptance limits

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



Setup





Graph:	G14082001 and G14082002
---------------	-------------------------

Result – AV detector

Harmonic	Limits (dB μ V/m)	Level (dB μ V/m)			Results
		915,050 MHz	921,000 MHz	927,750 MHz	
II	54	48,7	48,8	50,0	Complies
III	54	48,3	47,5	45,5	Complies
IV	54	42,3	42,7	46,8	Complies
V	54	44,7	44,3	46,7	Complies
VI	54	43,1	41,4	42,8	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: 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
		915,050 MHz	921,000 MHz	927,750 MHz	
II	74	49,8	50,3	51,8	Complies
III	74	50,0	49,4	47,6	Complies
IV	74	48,2	48,6	50,4	Complies
V	74	51,0	50,6	51,1	Complies
VI	74	52,4	51,4	50,4	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: EUT was tested in 3 orthogonal planes. The results in this table show the highest values

Result: The requirements are met

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