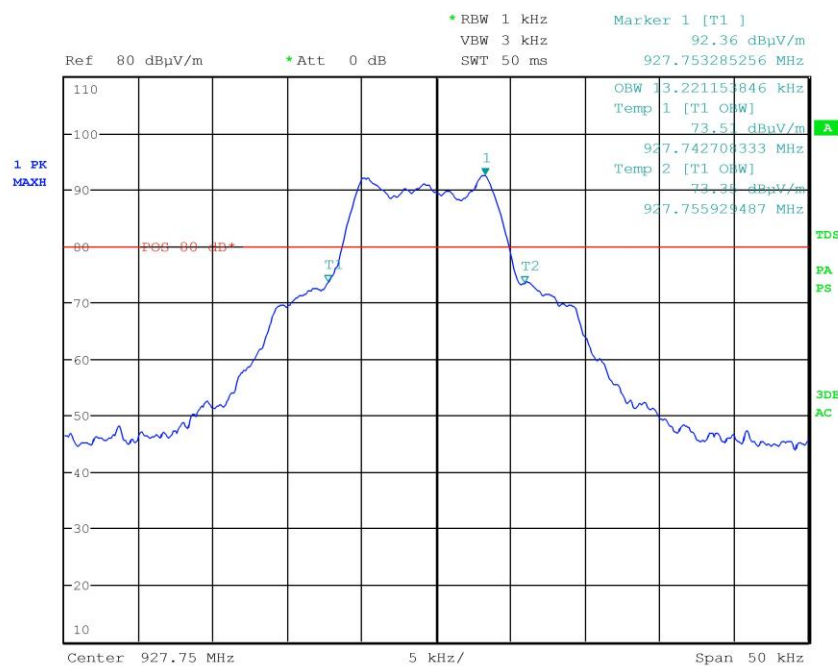




## Graphs

G14082013

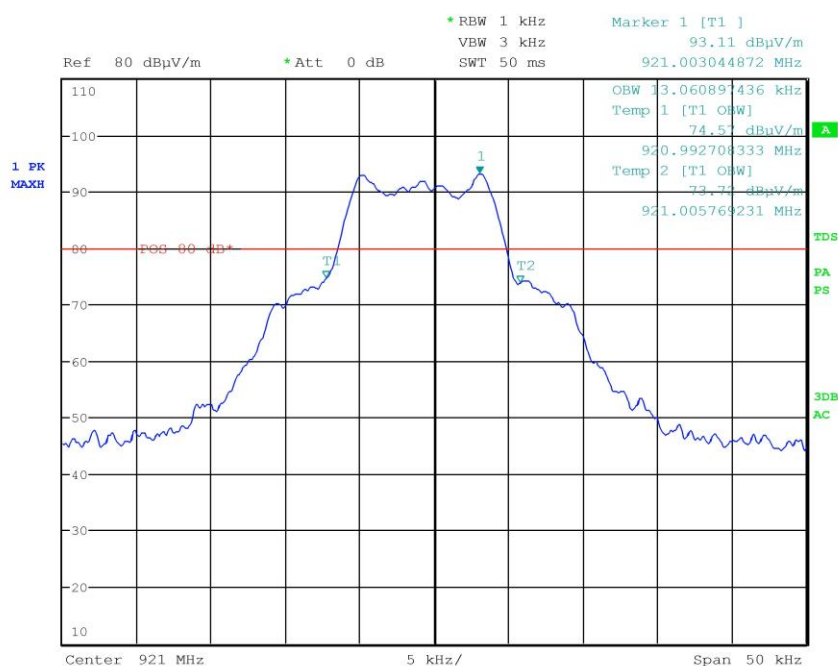
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmax - Ant.5m  
**Operator** Gandini 14082013  
**Test Spec**  
Vert





G14082017

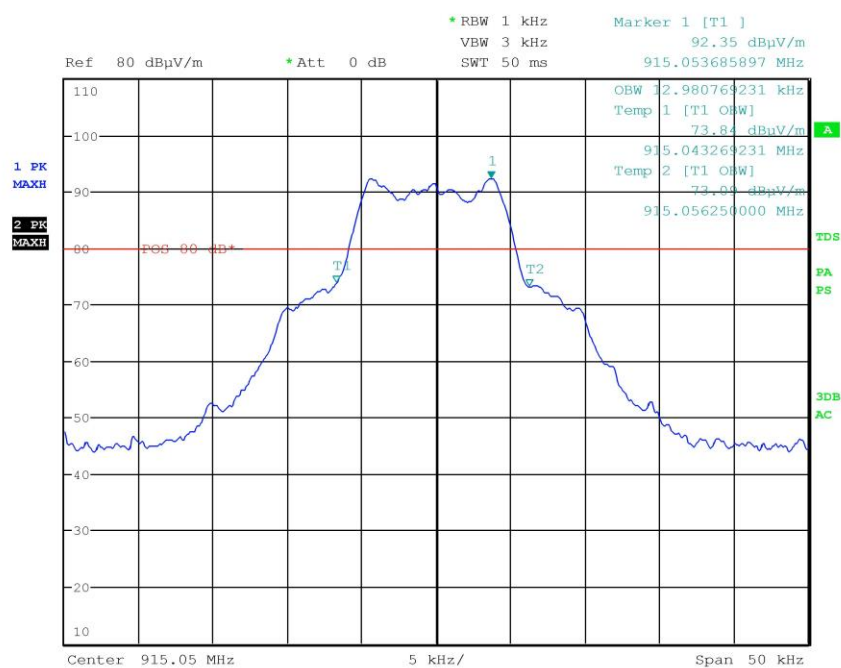
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmed - Ant.5m  
**Operator** Gandini 14082017  
**Test Spec**  
**Vert**





G14082021

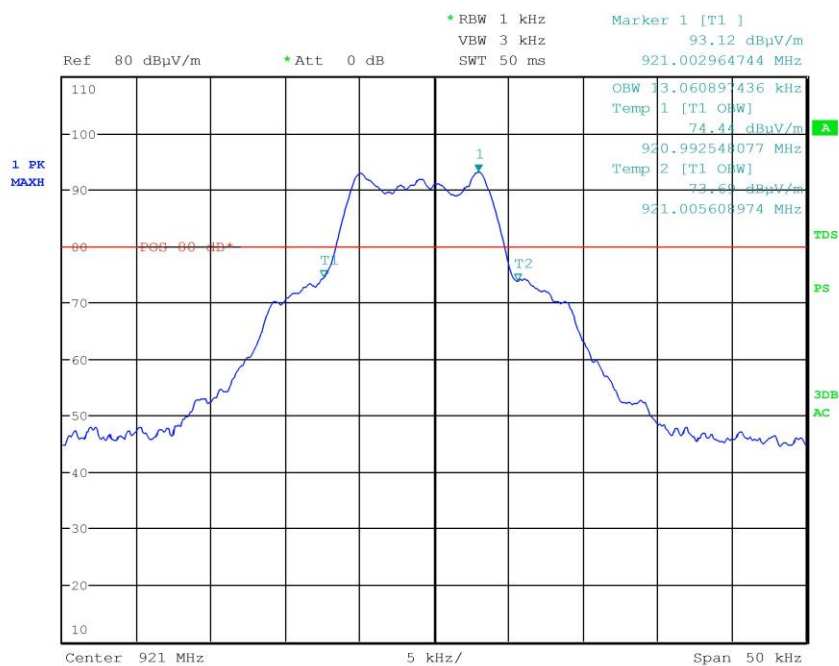
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmin - Ant.5m  
**Operator** Gandini 14082021  
**Test Spec**  
**Vert**





G14082029

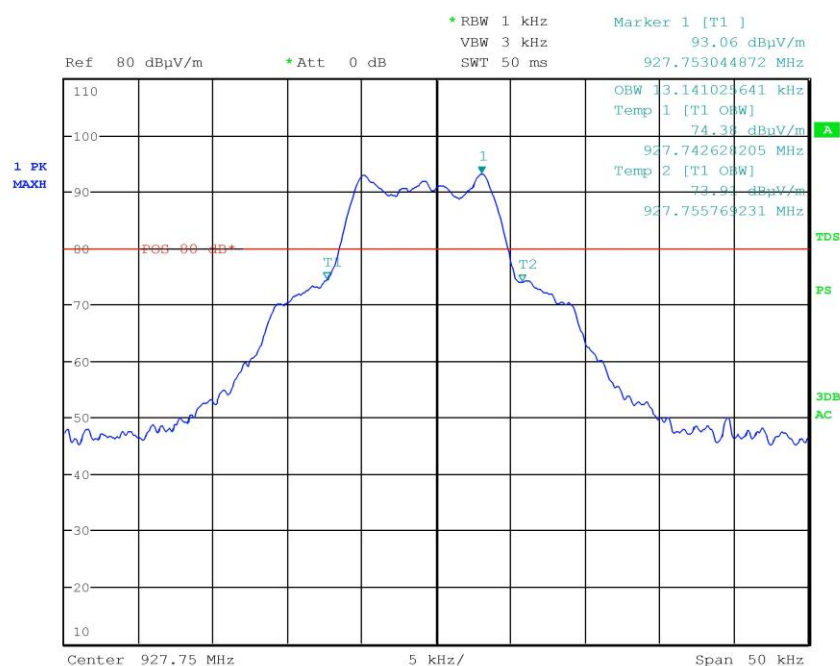
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmed - Ant.int.  
**Operator** Gandini 14082029  
**Test Spec**  
**Vert**

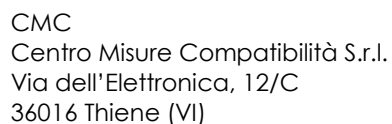




G14082034

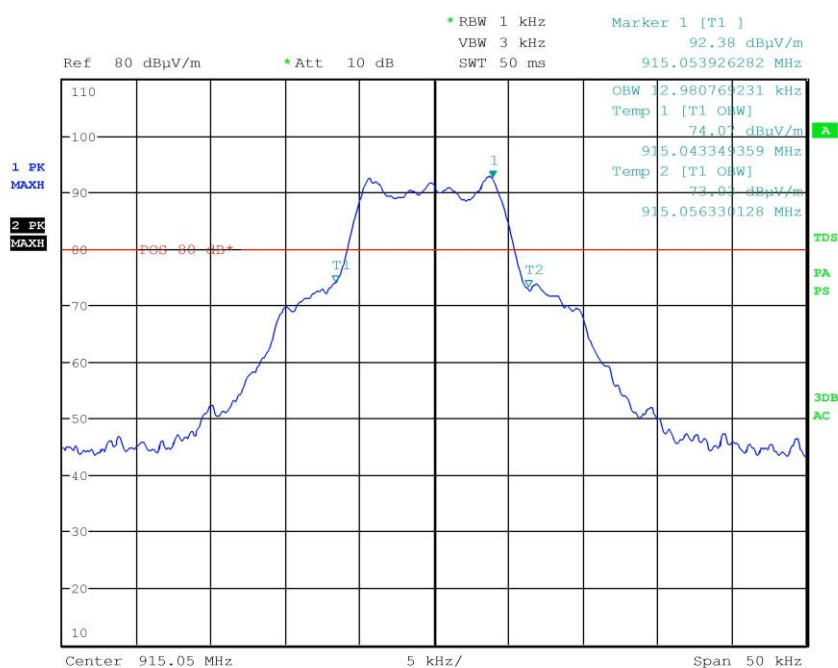
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmax - Ant.int.  
**Operator** Gandini 14082034  
**Test Spec**  
Horiz





G14082040

|                            |                      |
|----------------------------|----------------------|
| <b>Meas Type</b>           | Emission             |
| <b>Emission under Test</b> |                      |
| <b>Manufacturer</b>        |                      |
| <b>OP Condition</b>        | Tx - Fmin - Ant.int. |
| <b>Operator</b>            | Gandini 14082040     |
| <b>Test Spec</b>           |                      |
| <b>Horiz</b>               |                      |



**Result:** The requirements are met



## 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<br>(°C) | Atmospheric pressure<br>(kPa) | Relative humidity<br>(%) |
|---------------------|-------------------------------|--------------------------|
| 20                  | 99                            | 48                       |

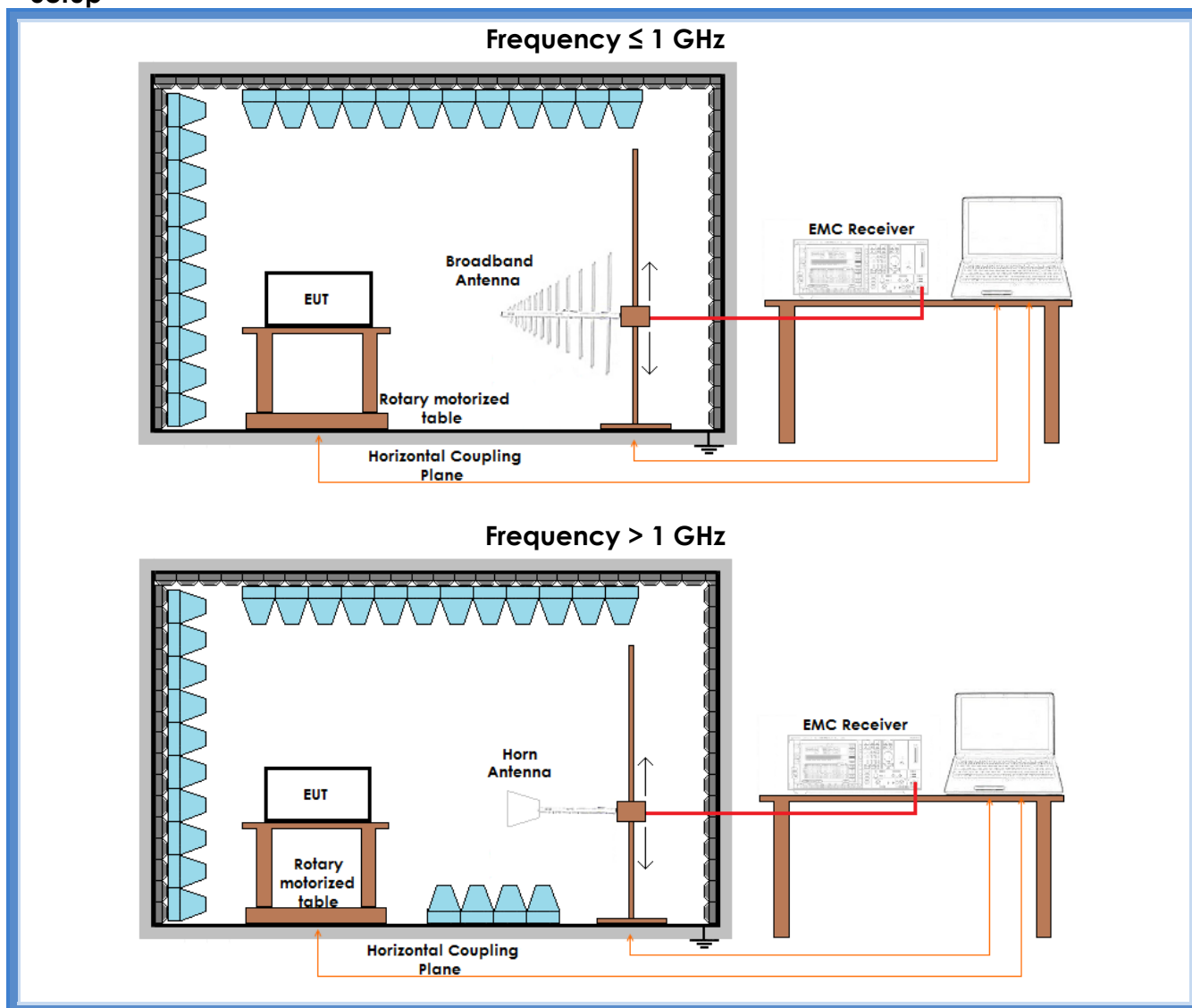
### Acceptance limits

| Frequency range<br>(MHz) | RF Power Output<br>dB(μV/m) |
|--------------------------|-----------------------------|
| 902 – 928                | 94                          |

| Frequency range<br>(MHz) | RF Power Output<br>dB(μV/m) |
|--------------------------|-----------------------------|
| 2400 – 2483,5            | 94                          |



## Setup





## Result

| Frequency (MHz) | Polarization | Graphs    | Measured QP level (dB $\mu$ 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

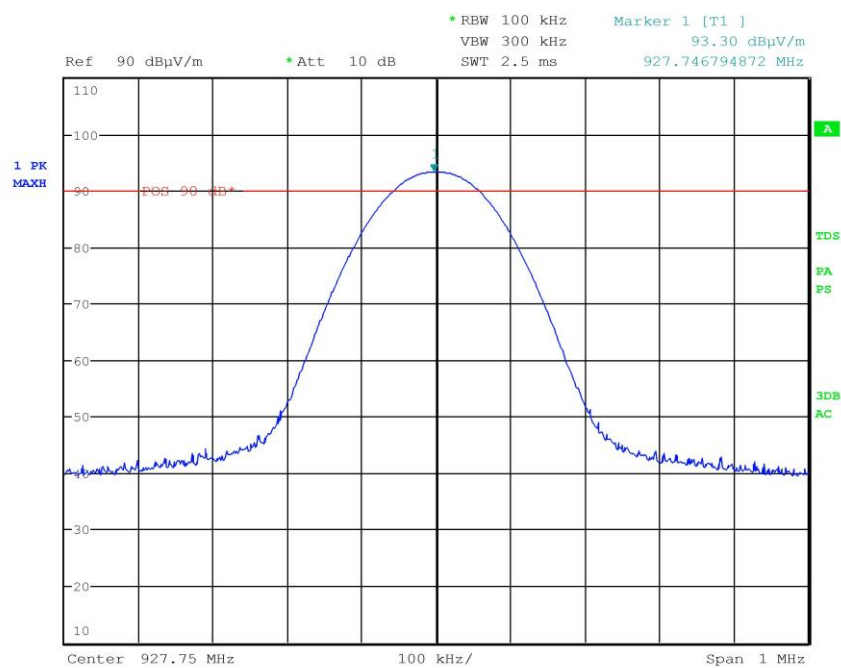
////////



## Graphs

G14082010

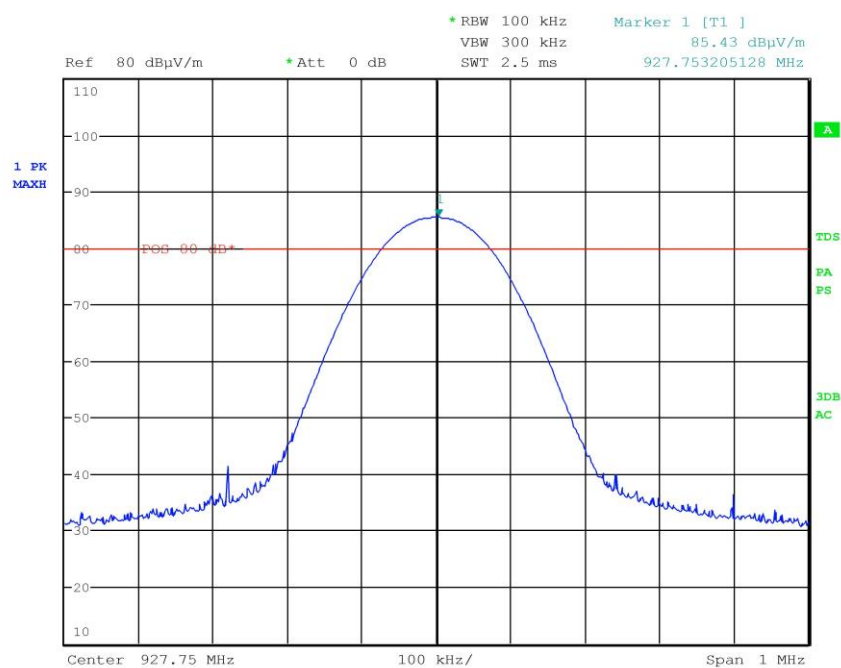
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmax - Ant.5m  
**Operator** Gandini 14082010  
**Test Spec**  
Vert





G14082014

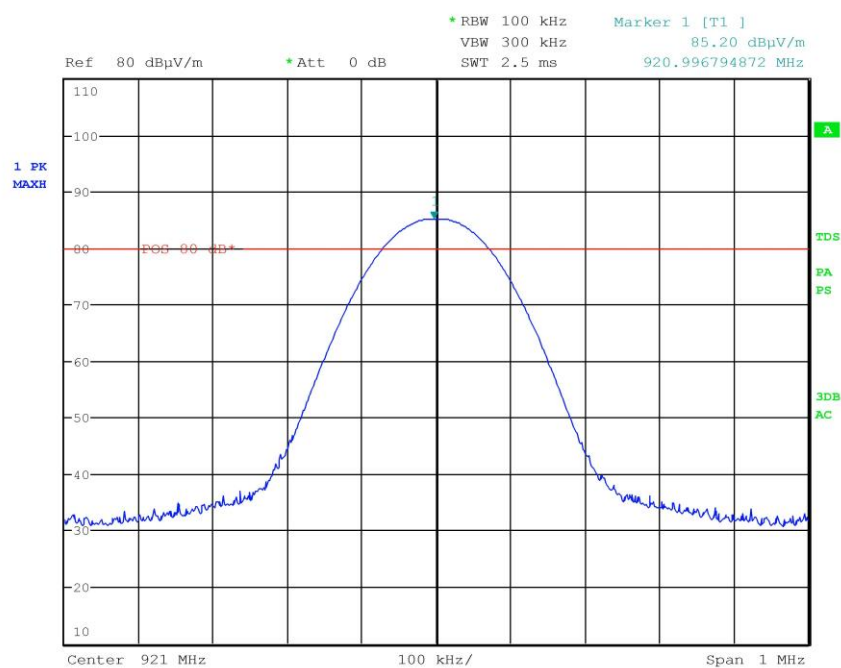
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmax - Ant.5m  
**Operator** Gandini 14082014  
**Test Spec**  
Horiz





G14082015

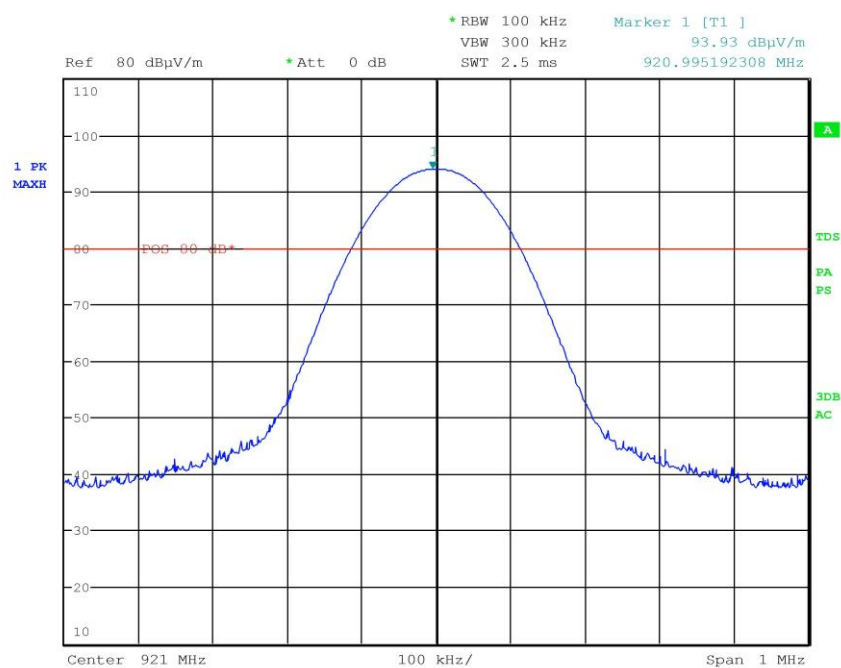
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmed - Ant.5m  
**Operator** Gandini 14082015  
**Test Spec**  
Horiz





G14082016

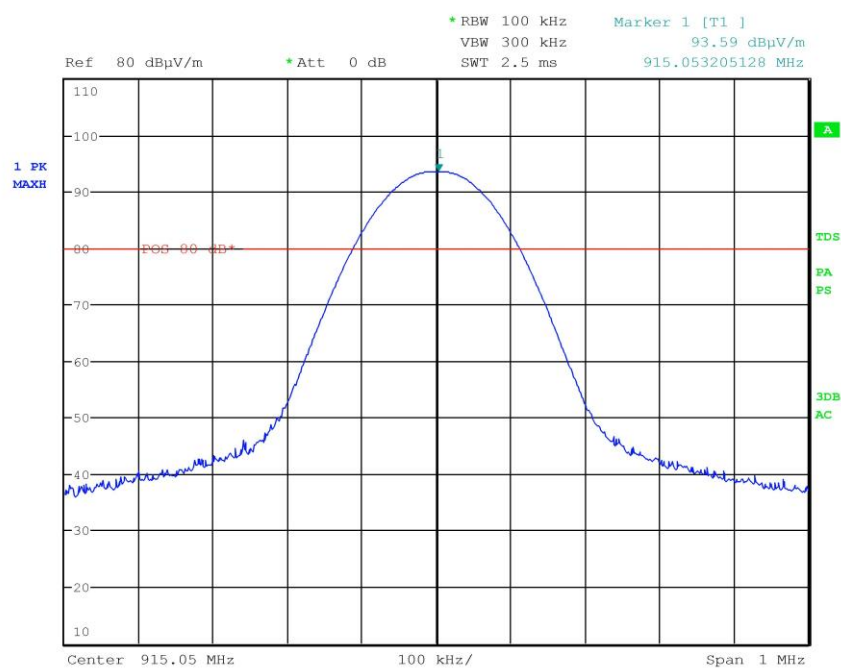
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmed - Ant.5m  
**Operator** Gandini 14082016  
**Test Spec**  
**Vert**





G14082018

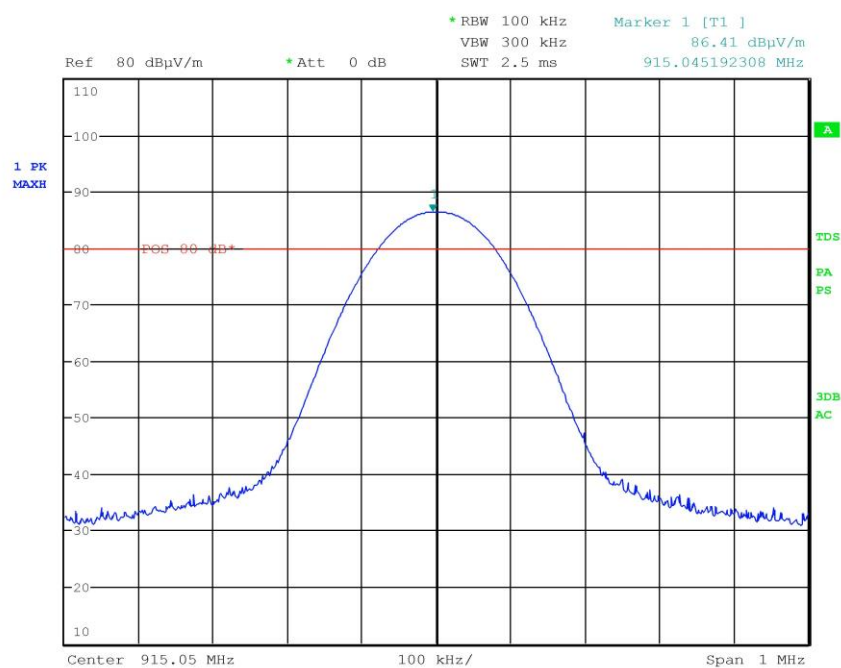
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmin - Ant.5m  
**Operator** Gandini 14082018  
**Test Spec**  
Vert





G14082022

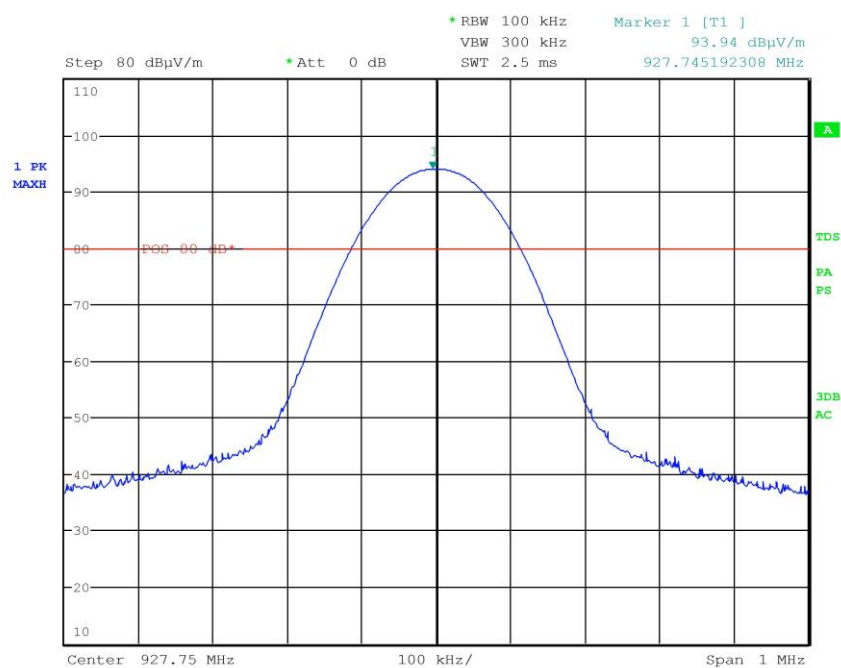
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmin - Ant.5m  
**Operator** Gandini 14082022  
**Test Spec**  
Horiz





G14082025

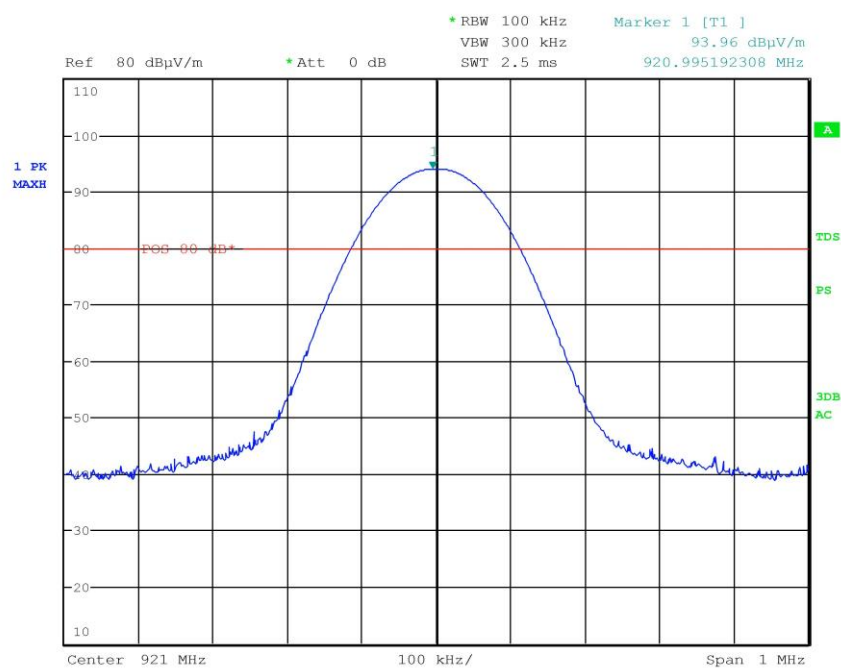
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmax - Ant.int.  
**Operator** Gandini 14082025  
**Test Spec**  
Vert





G14082028

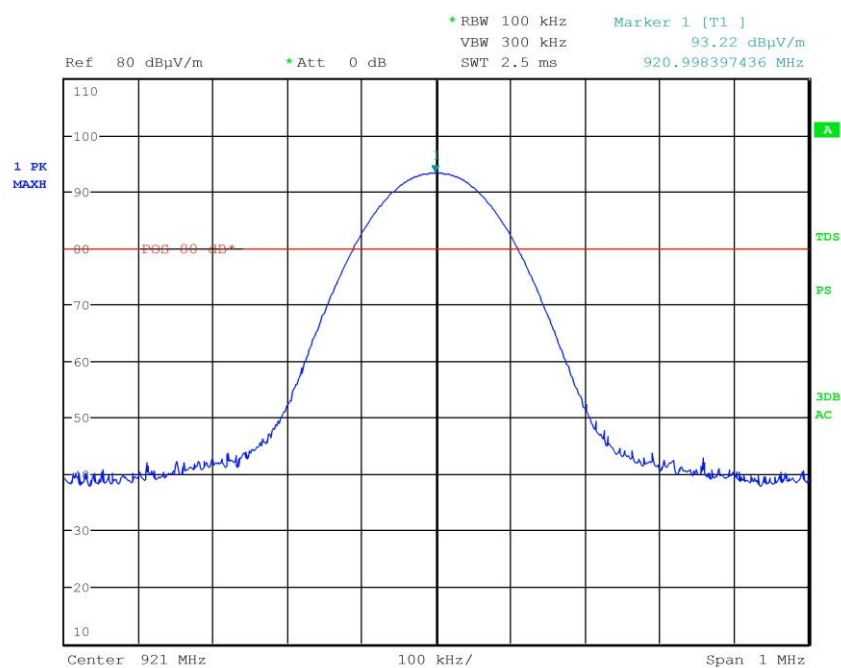
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmed - Ant.int.  
**Operator** Gandini 14082028  
**Test Spec**  
Vert





G14082030

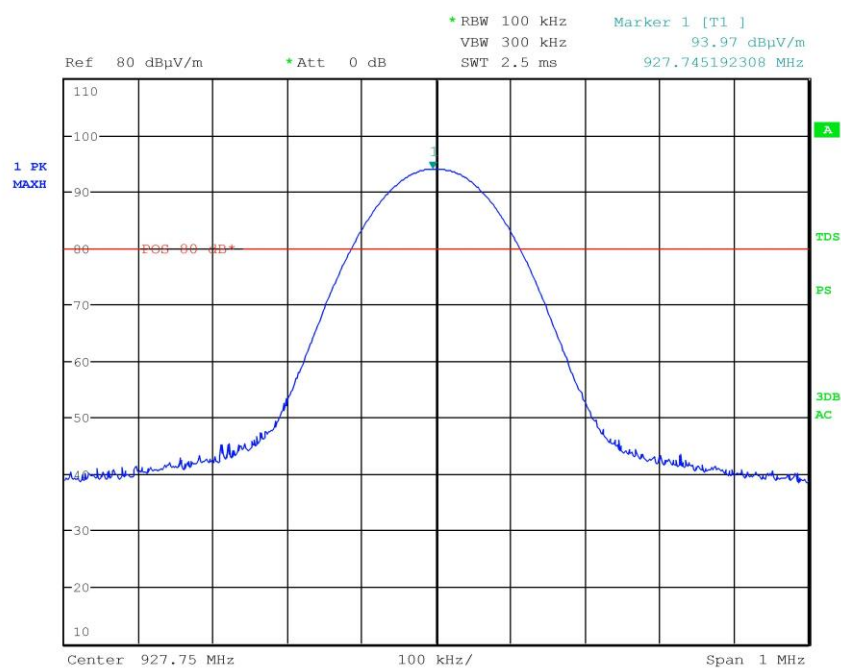
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmed - Ant.int.  
**Operator** Gandini 14082030  
**Test Spec**  
Horiz





G14082032

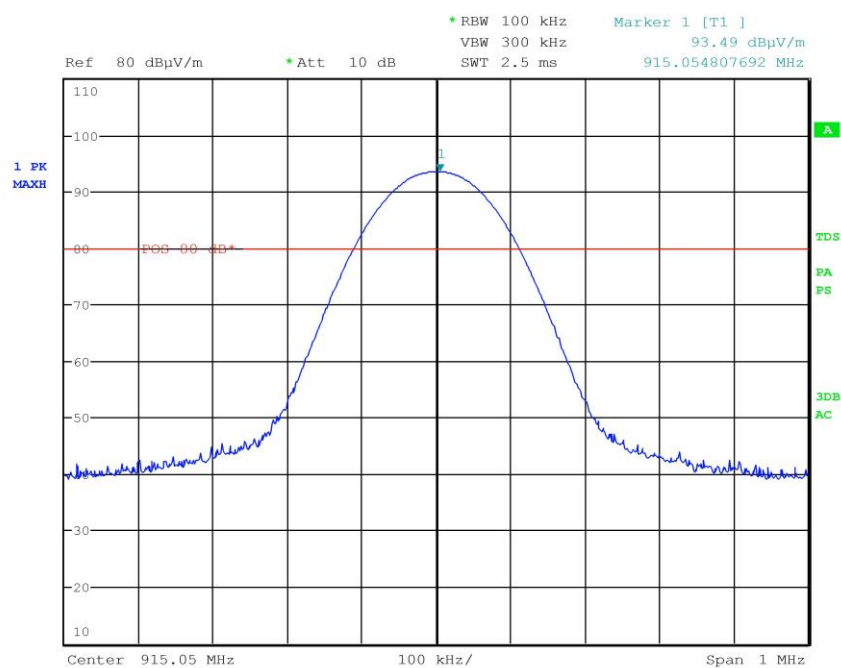
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmax - Ant.int.  
**Operator** Gandini 14082032  
**Test Spec**  
Horiz





G14082036

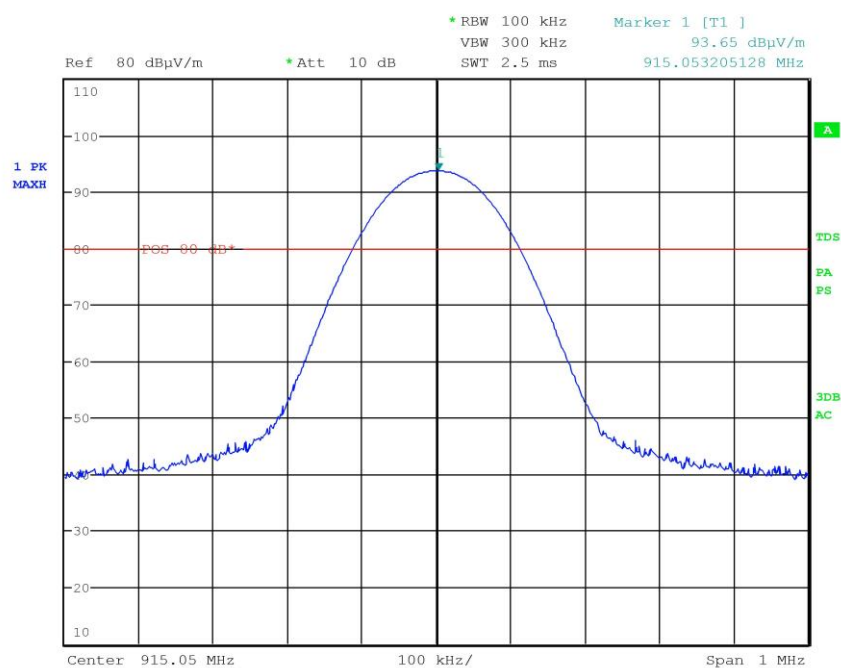
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmin - Ant.int.  
**Operator** Gandini 14082036  
**Test Spec**  
**Vert**





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

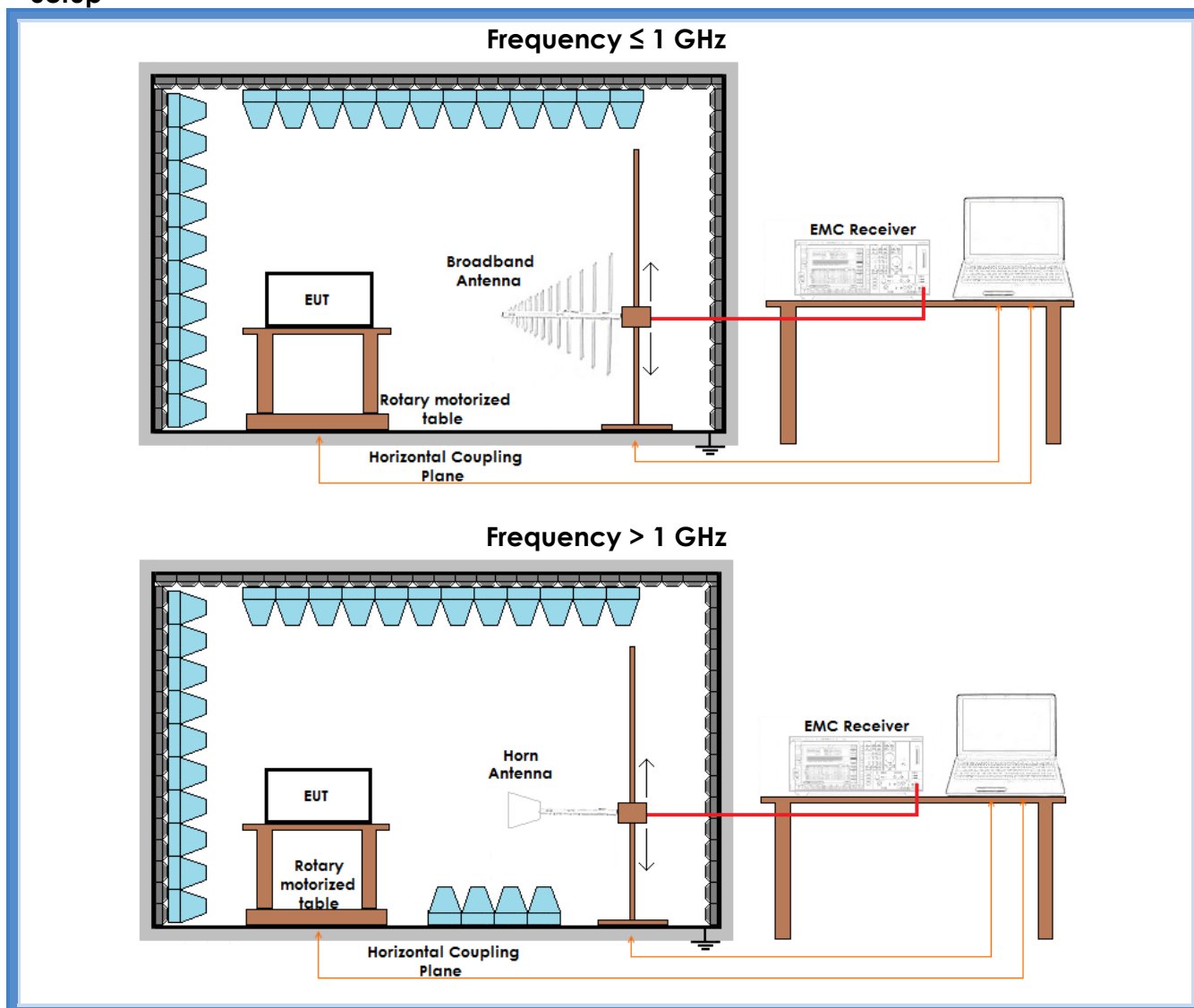
### Environmental conditions

| Temperature<br>(°C) | Atmospheric pressure<br>(kPa) | Relative humidity<br>(%) |
|---------------------|-------------------------------|--------------------------|
| 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 | Antenna: Embedded |
|                 | G14082035 |                 |          |                   |
| 915,050         | G14082019 | FL: 914,813 MHz | Complies | Antenna: External |
|                 | G14082020 |                 |          |                   |
| 927,750         | G14082011 | FH: 927,989 MHz | Complies | Antenna: External |
|                 | G14082012 |                 |          |                   |



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

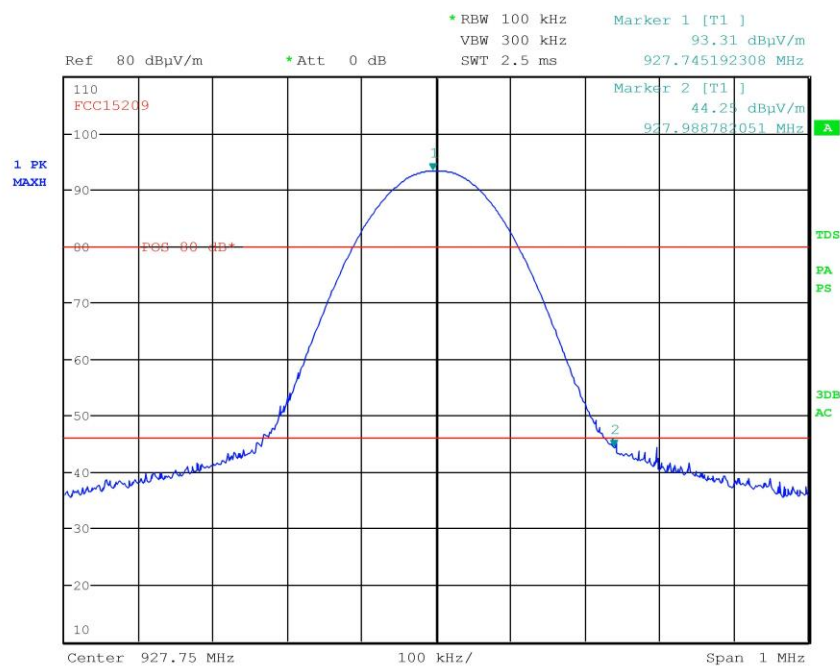
## Graphs

G14082011





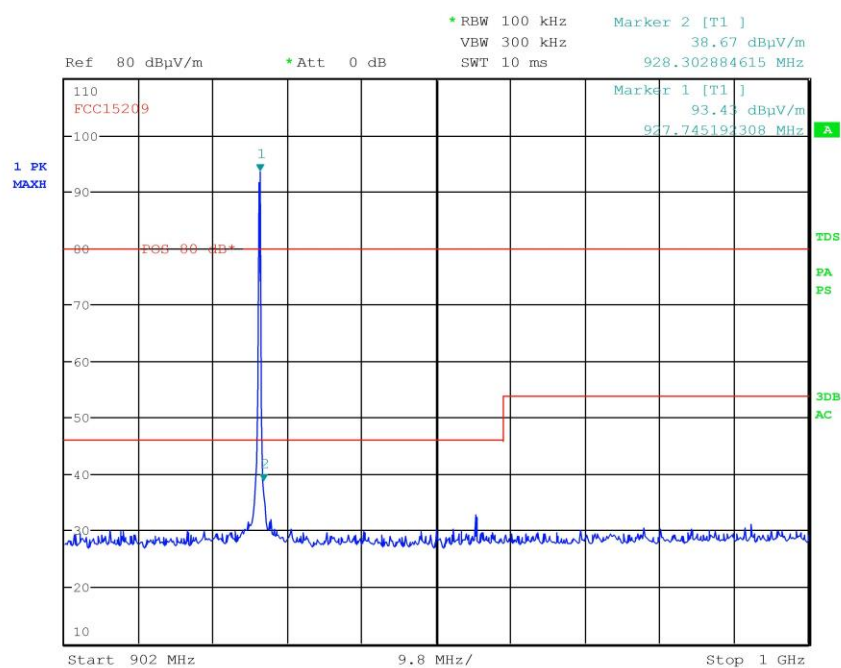
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmax - Ant.5m  
**Operator** Gandini 14082011  
**Test Spec**  
Vert





G14082012

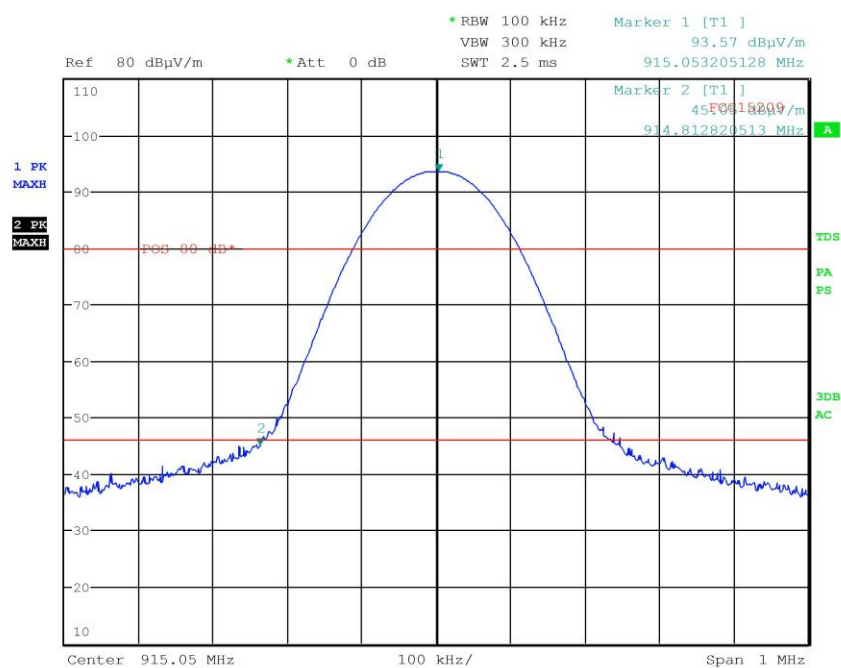
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmax - Ant.5m  
**Operator** Gandini 14082012  
**Test Spec**  
**Vert**





G14082019

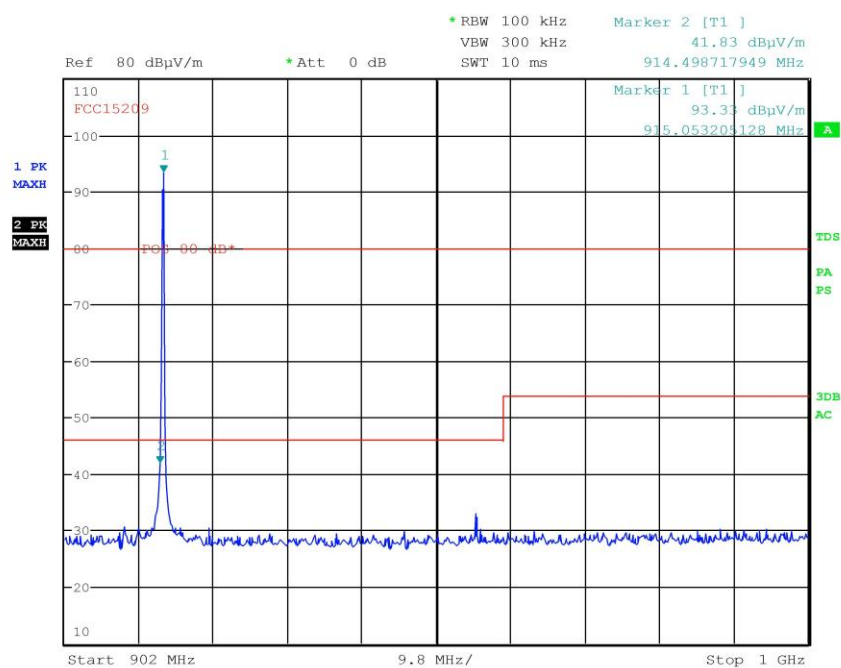
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmin - Ant.5m  
**Operator** Gandini 14082019  
**Test Spec**  
**Vert**





G14082020

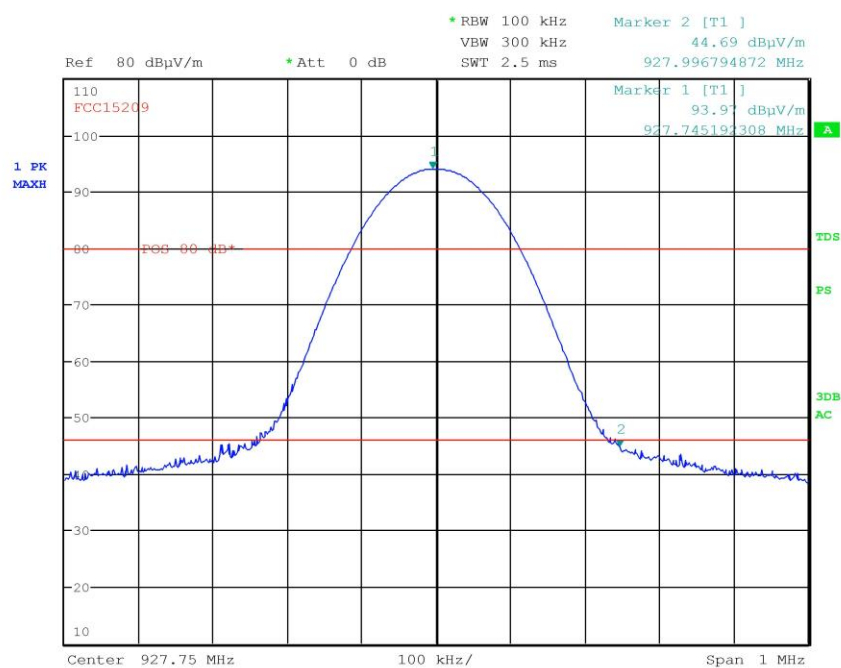
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmin - Ant.5m  
**Operator** Gandini 14082020  
**Test Spec**  
Vert





G14082033

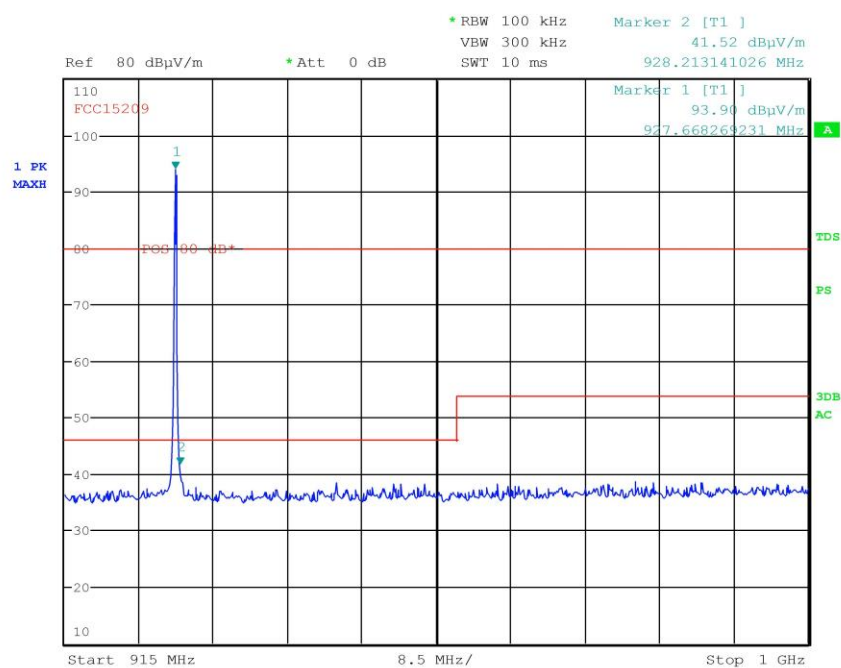
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmax - Ant.int.  
**Operator** Gandini 14082033  
**Test Spec**  
Horiz

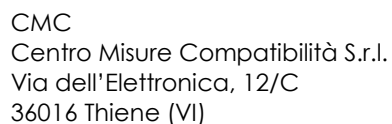




G14082035

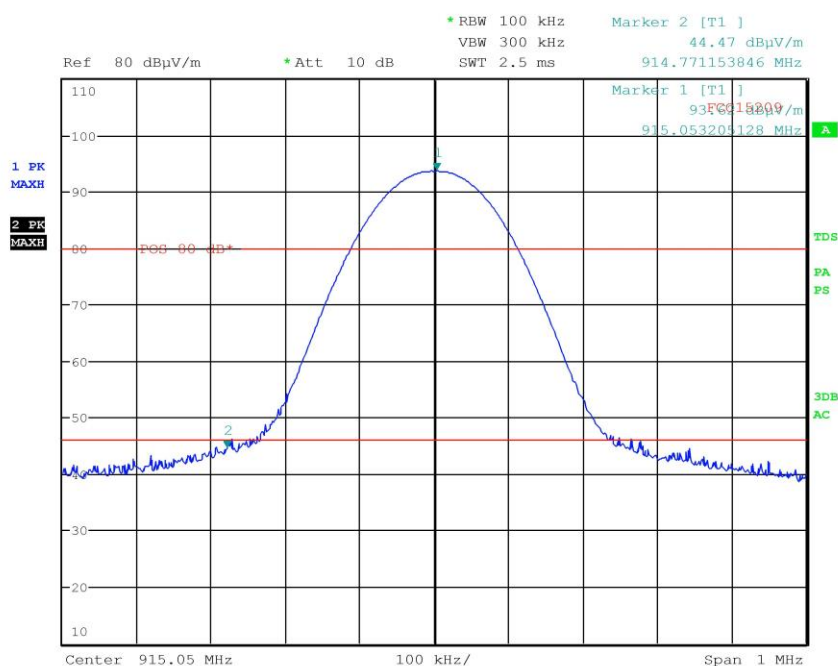
**Meas Type** Emission  
**Equipment under Test**  
**Manufacturer**  
**OP Condition** Tx - Fmax - Ant.int.  
**Operator** Gandini 14082035  
**Test Spec**  
Horiz





G14082038

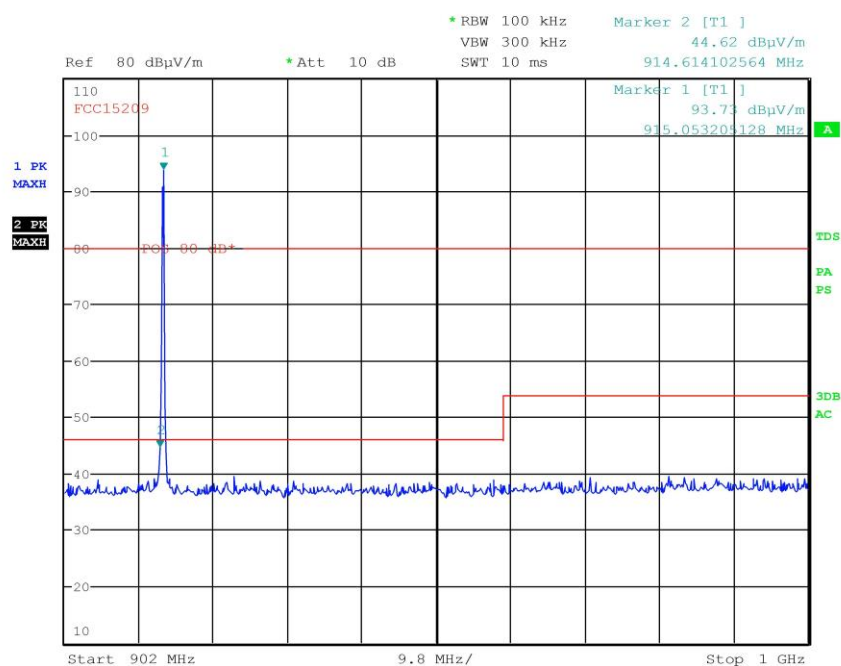
|                             |                      |
|-----------------------------|----------------------|
| <b>Meas Type</b>            | Emission             |
| <b>Equipment under Test</b> |                      |
| <b>Manufacturer</b>         |                      |
| <b>OP Condition</b>    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





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



## 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

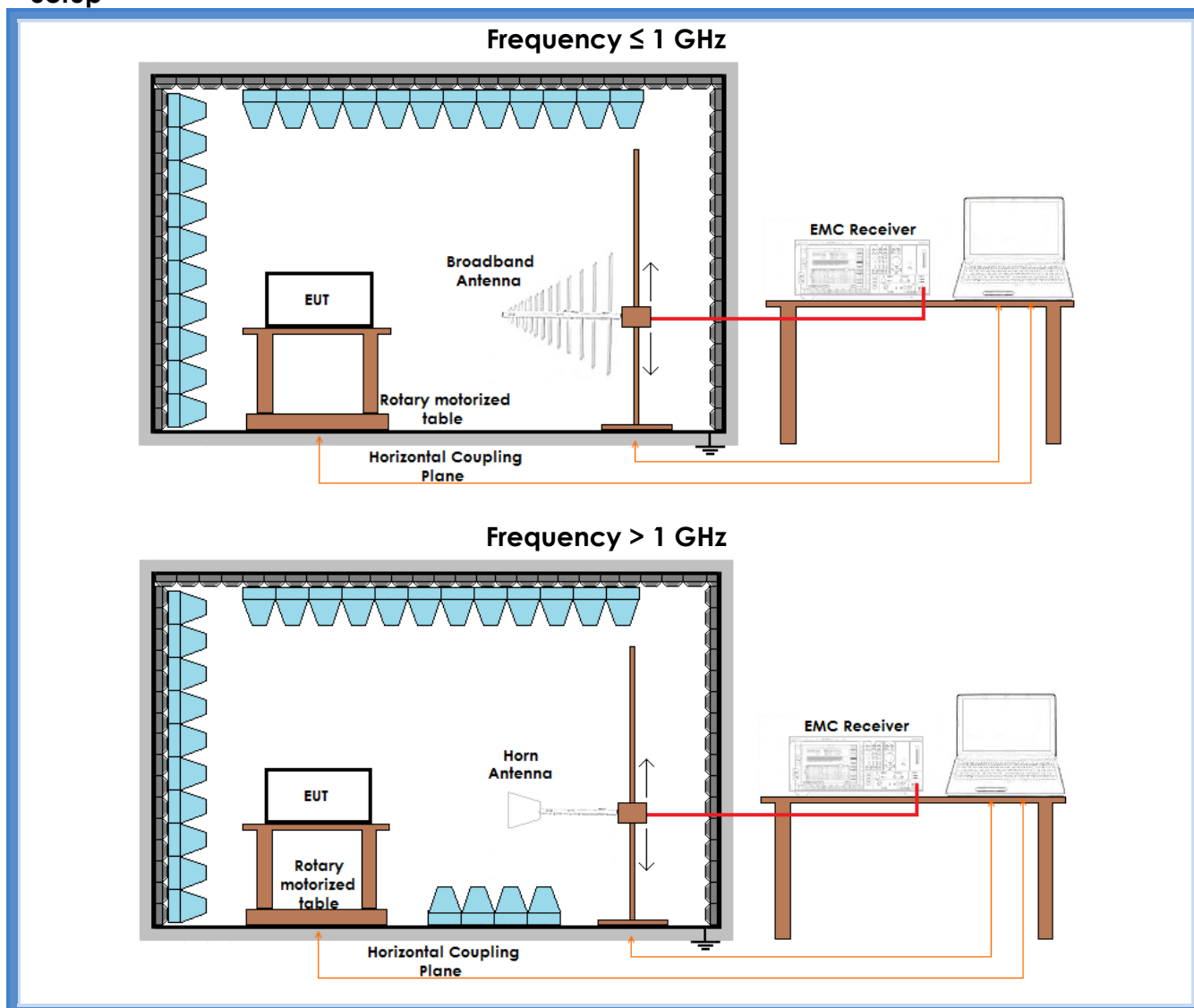
| Temperature<br>(°C) | Atmospheric pressure<br>(kPa) | Relative humidity<br>(%) |
|---------------------|-------------------------------|--------------------------|
| 22                  | 98                            | 48                       |

### Acceptance limits

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



## Setup





**Graph:**

G14082001 and G14082002

**Result – AV detector**

| Harmonic | Limits<br>(dB $\mu$ V/m) | Level (dB $\mu$ 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<br>below limit | More than 15dB<br>below limit | More than 15dB<br>below limit | Complies |
| VIII     | 54                       | More than 15dB<br>below limit | More than 15dB<br>below limit | More than 15dB<br>below limit | Complies |
| IX       | 54                       | More than 15dB<br>below limit | More than 15dB<br>below limit | More than 15dB<br>below limit | Complies |
| X        | 54                       | More than 15dB<br>below limit | More than 15dB<br>below limit | More than 15dB<br>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<br>(dB $\mu$ V/m) | Level (dB $\mu$ 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<br>below limit | More than 15dB<br>below limit | More than 15dB<br>below limit | Complies |
| VIII     | 74                       | More than 15dB<br>below limit | More than 15dB<br>below limit | More than 15dB<br>below limit | Complies |
| IX       | 74                       | More than 15dB<br>below limit | More than 15dB<br>below limit | More than 15dB<br>below limit | Complies |
| X        | 74                       | More than 15dB<br>below limit | More than 15dB<br>below limit | More than 15dB<br>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