

Test report nr.

02411FCC14

Measurements performed in accordance with:

**FCC Rules: code of Federal Regulations (CFR) no. 47  
PART 15 – RADIO FREQUENCY DEVICES**

**Product:** LPD transmitter

**Tested model:** AIR 1RW/U

**FCC ID** PML433AIR

**Applicant:** Nice S.p.A.  
Via Pezza Alta, 13 I-31046 Rustignè di Oderzo (TV)

**Manufacturer:** Nice S.p.A.  
Via Pezza Alta, 13 I-31046 Rustignè di Oderzo (TV)

**Trademark:** Nice

**Testing Laboratory** Nice Laboratory

**Registration number:** 771316

**Date of receipt sample:** 11<sup>th</sup> February 2016

**Testing date:** 16<sup>th</sup> February 2016 to 26<sup>th</sup> February 2016

**Issue date:** 19 April 2016

**Tested by:** L. Pastres *L. Pastres*

**Checked by:** E. Campion *E. Campion*

Notice: The result of tests and checks reported in this Test Report refer exclusively to the samples tested and described in the Report itself.  
This report shall not be reproduced partially or in its entirety without written approval of Nice S.p.A.

## Contents

<b>Contents .....</b>	<b>2</b>
<b>1 General Description of Equipment under Test.....</b>	<b>3</b>
1.1 Applicant .....	3
1.2 Manufacturer.....	3
1.3 Equipment classification.....	3
1.4 Basic Description of equipment under test.....	4
1.5 Feature of equipment under test .....	5
<b>2 Test configuration of equipment under test.....</b>	<b>6</b>
2.1 Environmental conditions .....	6
2.2 Description of support equipment.....	6
2.3 Interface identification and connection diagram of test system .....	7
<b>3 Operation of equipment under test .....</b>	<b>8</b>
3.1 Operating test conditions .....	8
<b>4 Tests identification and result .....</b>	<b>9</b>
4.1 Methods of measurement .....	9
4.2 Frequency range investigated .....	9
<b>5 Tests .....</b>	<b>10</b>
5.1 Antenna requirements.....	10
5.2 Conduced emission.....	11
5.3 Radiated emission.....	12
5.4 Timing of the transmitter .....	17
5.5 Transmit behaviour after releasing the TX-button .....	19
5.6 Radiated output power .....	20
5.8 Compliance with the limit of FCC .....	23
5.9 Spurious emission - radiated.....	24
5.10 Occupied bandwidth .....	25
<b>6 Measurement and Test Equipment instrumentation.....</b>	<b>26</b>
<b>7 Photographic Documentation.....</b>	<b>31</b>
8.1 EUT Identification.....	31
8.2 Test Set-up .....	36
<b>Annex 1 .....</b>	<b>39</b>

## 1

**General Description of Equipment under Test****1.1 Applicant**

**Name:** Nice S.p.A.  
**Address:** via Pezza alta, 13 I-31046 Rustignè di Oderzo (TV)  
**Country:** ITALY

**1.2 Manufacturer**

**Name:** Nice S.p.A.  
**Address:** via Pezza alta, 13 I-31046 Rustignè di Oderzo (TV)  
**Country:** ITALY

**1.3 Equipment classification**

According to definition 15.3 (o) is a intentional Radiator operating within the Frequency: 433.92MHz.

So it shall fulfil provisions of 47CFR Part 15 Subpart C – international radiators – and Section 15.209.

According to definition 15.3 (z) is a unintentional Radiator:

So it shall fulfil provisions of 47CFR Part 15 Subpart B – Unintentional radiator and section 15.231.

**1.4 Basic Description of equipment under test**

<b>Parameters</b>	<b>Value</b>
Type of equipment:	LPD transmitter
Model:	AIR 1RW/U
FCC ID:	PML433AIR
Trade Name:	Nice
Data cable:	N/A
Telecom cable:	N/A
Power supply type:	Battery, 2 x 1.5V type AAAA
AC power input cable:	N/A
DC power input cable:	N/A

<b>Model</b>	<b>Description</b>
-	-

**1.5 Feature of equipment under test**

<b>Parameters</b>	<b>Value</b>
Power specification	LPD transmitter for tubular motor application Nice
Operating frequency:	433.92MHz
Maximum RF output power:	82.55 dB $\mu$ V/m (Peak) 79.05 dB $\mu$ V/m (Average after correction)
Occupied Bandwidth (99% BW):	15.7kHz
Emission Designator (ITU):	15K7A1D
Modulation:	OOK (On Off Key)
Channel spacing:	No channel
Antenna:	Integral
Rx Sensitivity:	N/A
Main SW identification:	N/A
Main HW board identification:	N/A
Peripherals included (for system application):	N/A
Interfaces:	N/A
Integrated interfaces	N/A
AC adapter:	N/A

## 2

## Test configuration of equipment under test

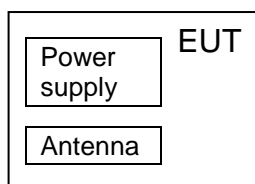
## 2.1 Environmental conditions

Test conditions	Measured
Ambient temperature:	20 ÷ 25°C
Relative humidity:	50 ÷ 60%
Atmospheric pressure:	900 ÷ 1010mb

## 2.2 Description of support equipment

Equipment	Manufacturer	Model
-	-	-

### 2.3 Interface identification and connection diagram of test system



#	Interface	Description	Maximum length	Ref. Document
1	Enclosure	Plastic	-	-
2	AC mains power input	N/A	-	-
3	DC power port	3Vdc (2 x 1.5Vdc)	-	-
4	Signal / control port	N/A	-	-
5	Antenna port	Integral	-	-
6	Telecommunication	N/A	-	-

## 3

## Operation of equipment under test

## 3.1 Operating test conditions

#	Description
1	Standby mode
2	Transmission mode



## 4

## Tests identification and result

CFR47 Part 15 Section	Title	Operating condition	Result
15.203 15.247 (b)(4)(i)	Antenna requirements	-	N/A
15.207 (a)	Conducted emission	-	N/A
15.209 (a) (f)	Radiated emission	#1, #2	PASS
15.35 (c)	Timing of the transmitter	#2	PASS
15.231 (a)	Transmit behaviour after releasing the TX-button	-	PASS
15.231 (b)	Radiated output power	#2	PASS
15.35 (c)	Typical pulse train of a signal	#2	PASS
15.231 (c)	Compliance with the limit of FCC	#2	PASS
15.231 (a)	Spurious emission - radiated	#2	PASS
15.231 (a)	Occupied bandwidth	#2	PASS

#### 4.1 Methods of measurement

All compliance measurements has been carried out using the procedures described in the standard ANSI C63.4-2014 (excluding sub-par. 4.1.5.2, 5.7.9 and 14), C63.10-2013 and Section 15.31 of CFR47 Part 15 – Subpart A (General).

#### 4.2 Frequency range investigated

- a) Conducted emission tests: from 9kHz to 30MHz.
- b) Radiated emission tests: from 150kHz to tenth harmonic of fundamental.

## 5 Tests

### 5.1 Antenna requirements

#### Specify:

Base standard:	47CFR Part 15 Sections 15.203, 15.204
----------------	---------------------------------------

~~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 a unique coupling to the intentional radiator shall be considered sufficient to 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 a standard antenna jack or electrical connector is prohibited. This requirements does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219 or 15.221. Further, this requirements does not apply to intentional radiators which, in accordance with Section 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.~~

#### Antenna Specification:

N° of authorized antenna type:	-
Antenna type:	Integral
Maximum total gain:	0dB
External power amplifiers:	-

#### Antenna description:

No.	Manufacturer	Model Type
-	-	-

#### Comments:

*The antenna is integral, therefore this test was not performed*

## 5.2 Conduced emission

**Specify:**

Base standard:	47CFR Part 15 Section 15.207
----------------	------------------------------

- 1) The EUT was placed on wooden table size 80cm, raised 80cm in which is located 40cm away from the vertical wall shielded room.
- 2) Each EUT powered input cord was individually connected through a 50 $\Omega$ /50 $\mu$ H LISN to the input power source.
- 3) Exploratory measurements were made identify the frequency of the emission that had the highest amplitude relative to the limit by operating the EUT in a range of typical modes operation, cable position, and with a typical system equipment configuration and arrangement. Based on the exploratory tests of the EUT, the one EUT cable configuration and arrangement and mode of operation that had produced the emission with the highest amplitude relative to the limit was selected for the final measurement.
- 4) The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment is the system) was than performed over the frequency range of 0,15MHz to 30MHz.
- 5) The measurements were made with the detector set to PEAK and AVERAGE amplitude within a bandwidth of 10kHz during the measurements.
- 6) The measurements with Quasi-Peak detector are performed only for frequencies for which the Peak values are  $\geq$  (Q.P. limit - 6dB)

**Test Requirements:**

Test Setup:	ANSI C63.4
Limit of mains terminal disturbance voltage:	15.207 (a)
Frequency range:	9kHz—150kHz 150kHz—30MHz
IF Bandwidth:	200Hz 9kHz
EMC class	B
Uncertainty:	2,3dB

**Limits<sup>(1)</sup>:**

Frequency [MHz]	Quasi-Peak (dB $\mu$ V)	Average (dB $\mu$ V)
0,15—0,5	66—56	56—46
0,5—5	56	46
5—30	60	50

Note: (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases linearly with the logarithm of the frequency in the range 0,15 MHz to 0,50 MHz.

**Test Data:**

Port under test	Operating condition	Result

**Comments:**

*The equipment is supplied with battery, therefore this test was not performed*

### 5.3 Radiated emission

#### Specify:

Base standard: 47CFR Part 15 Section 15.209

- 1) The EUT was placed on turntable which is 0,8m above the ground plane.
- 2) The turntable shall rotate from 0° to 360° degrees to determine the position of maximum emission level.
- 3) The EUT is positioned 3m away from the receiving antenna which varied from 1 to 4m to find the highest emission.
- 4) The measurements were made with the detector set to PEAK and AVERAGE amplitude within a bandwidth of 100kHz below 1000MHz and 1MHz above 1000MHz.
- 5) The receiving antenna was positioned in both horizontal and vertical polarization.
- 6) The measurements with Quasi-Peak detector, below 1000MHz are performed only for frequencies for which the Peak values are  $\geq$  (Q.P. limit – 6dB).

#### Test Requirements:

Test Setup:	ANSI C63.4
Test facility:	Anechoic chamber
Test distance:	3m
Limits for radiated disturbances:	15.209 (a)
Frequency range:	150kHz to 1GHz
IF bandwidth (below 30MHz):	9kHz
IF bandwidth (below 1000MHz):	120kHz
IF bandwidth (above 1000MHz):	1MHz
EMC class:	B
Uncertainty:	4.6dB (< 1GHz) 4.7dB (> 1GHz)

#### Limits <sup>(1)</sup>:

Frequency [MHz]	Field Strength ( $\mu$ V/m)	Measurement distance (m)
0,0009 – 0,490	2400/F(kHz)	300
0,490 – 1,750	24000/F(kHz)	30
1,750 - 30	30	30
30 - 88	100	30
88 -216	150	3
216 - 960	200	3
above 960	500	3

Note: <sup>(1)</sup> to convert the measuring distance from 3m to 300m and 30m to 300m a correction factor from 40dB/decade was used

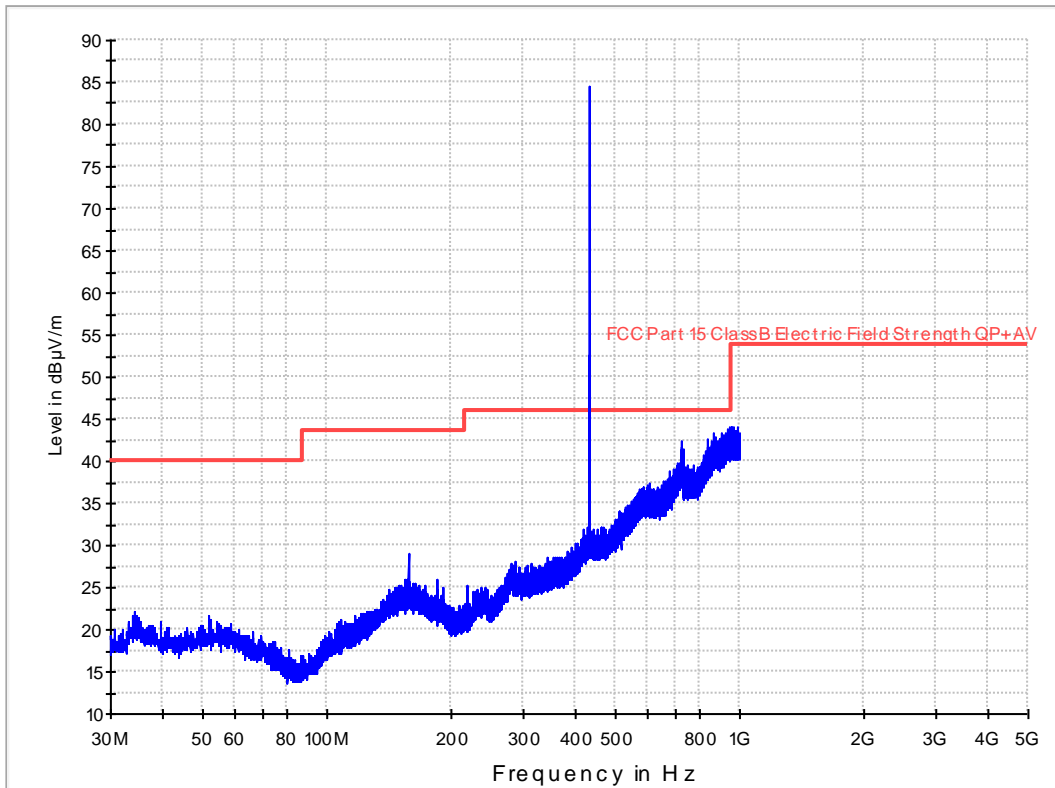
#### Test Data.:

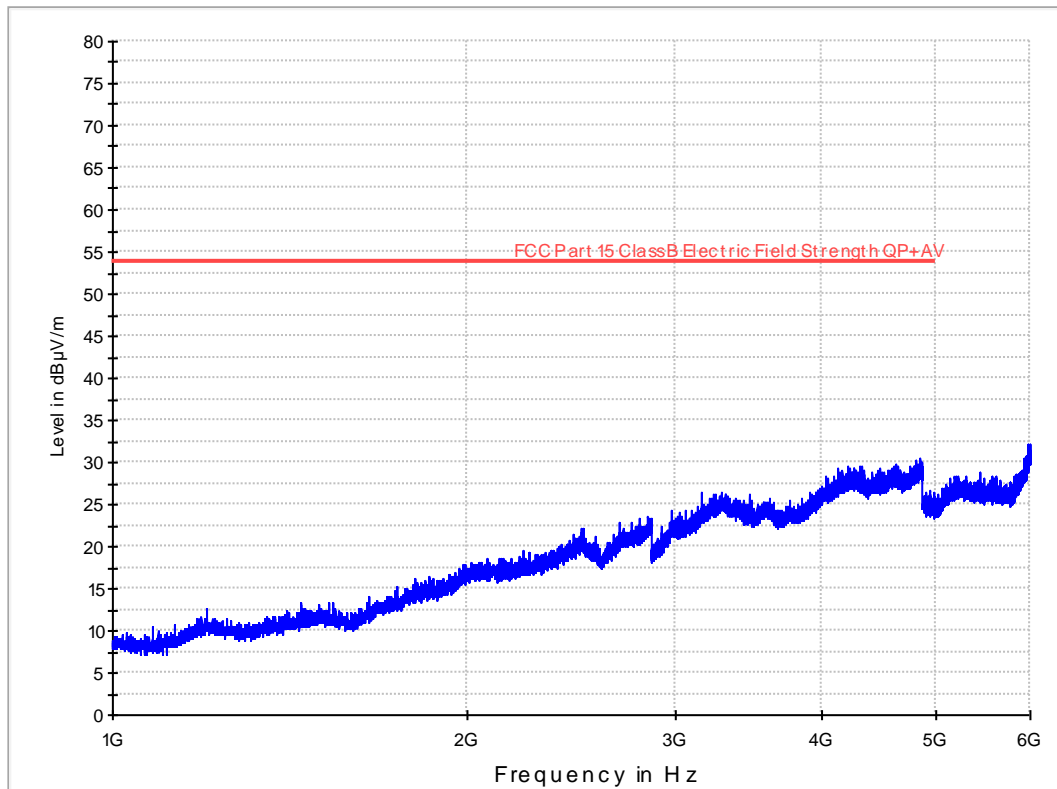
Port under test	Operating condition	Result
Enclosure	#1, #2	Complies

#### Comments:

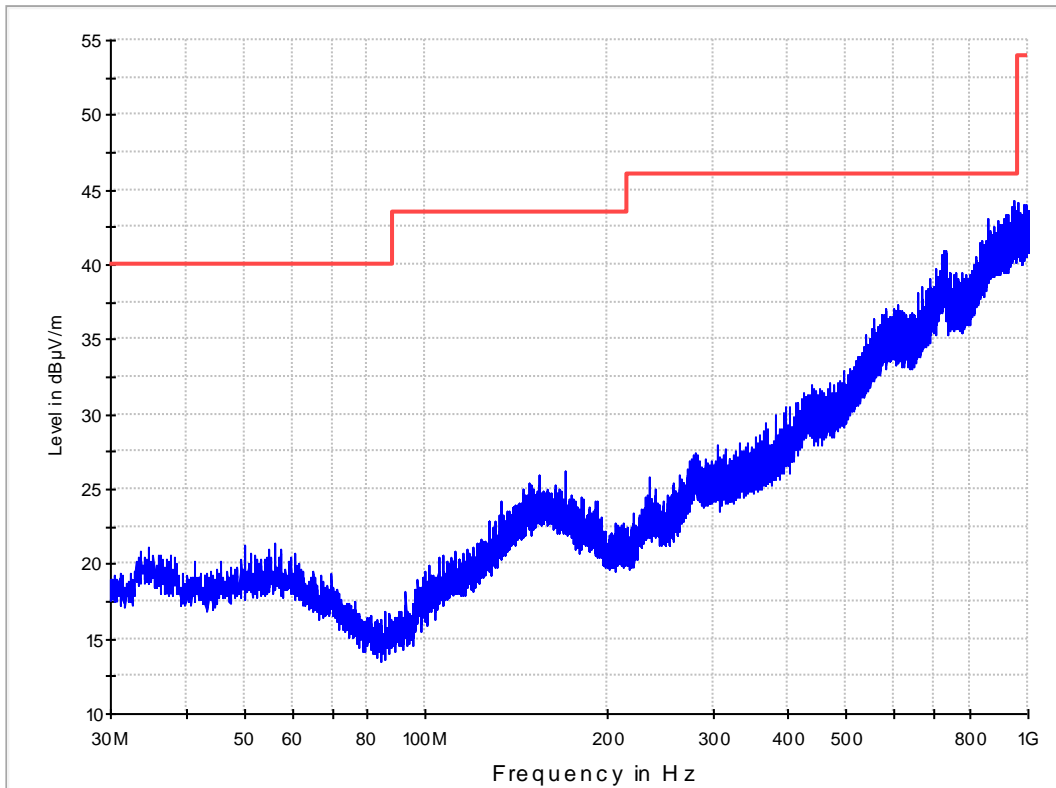
The results represent the worst case of emissions between three polarizations verified (X, Y and Z). The table was rotate of 360° and antenna receiving moved from 1m to 4m to find the maximum emission.  
No emissions in standby (conditions #1).

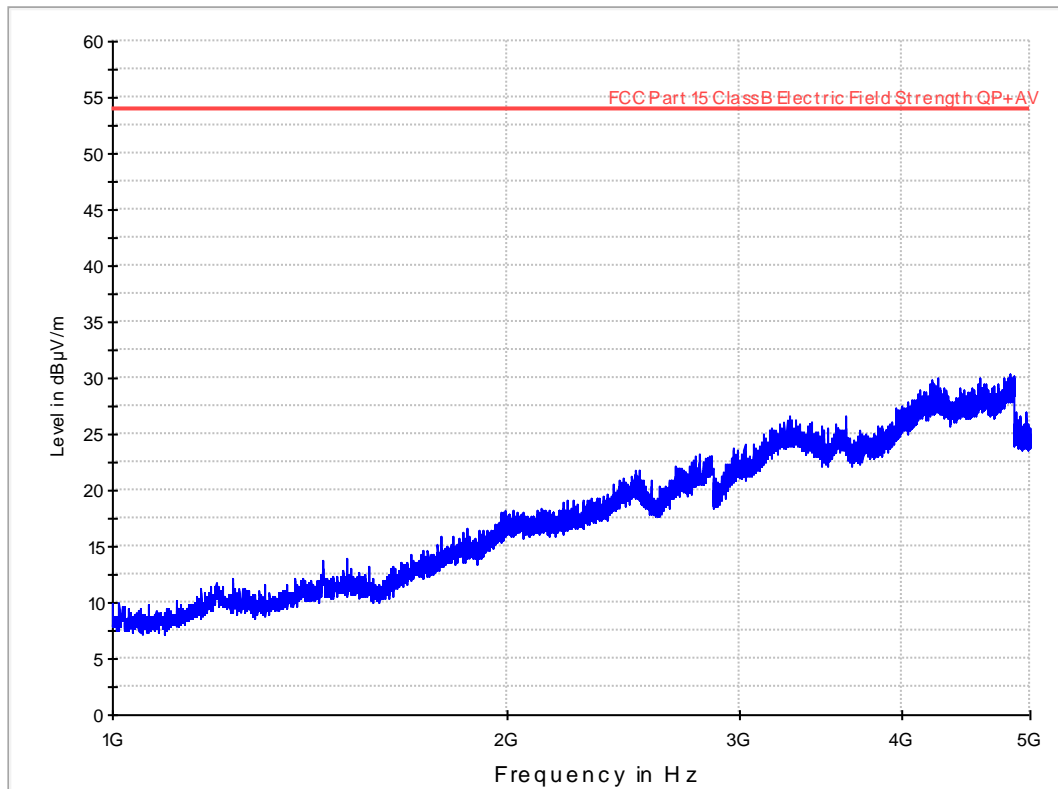
## Transmission





## Standby







#### 5.4 Timing of the transmitter

##### Specify:

Base standard:	CFR47 Part 15 Section 15.35 (c)
----------------	---------------------------------

Unless otherwise specified, e.g. Section 15.225 (b), when the radiated emission limits are expressed in term of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0,1 seconds. As an alternative (provided the transmitter operates for longer than 0,1 seconds) or in cases where the pulse exceeds 0,1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0,1 second interval strength shall be submitted with any application for certification or shall be retained in the measurement data file for equipment subjected to notification or verification.

##### Test requirements:

Test Setup:	CFR47 Part 15 Section 15.35 (c)
RBW:	1MHz
VBW:	3MHz
Uncertainty:	0.2 $\mu$ s

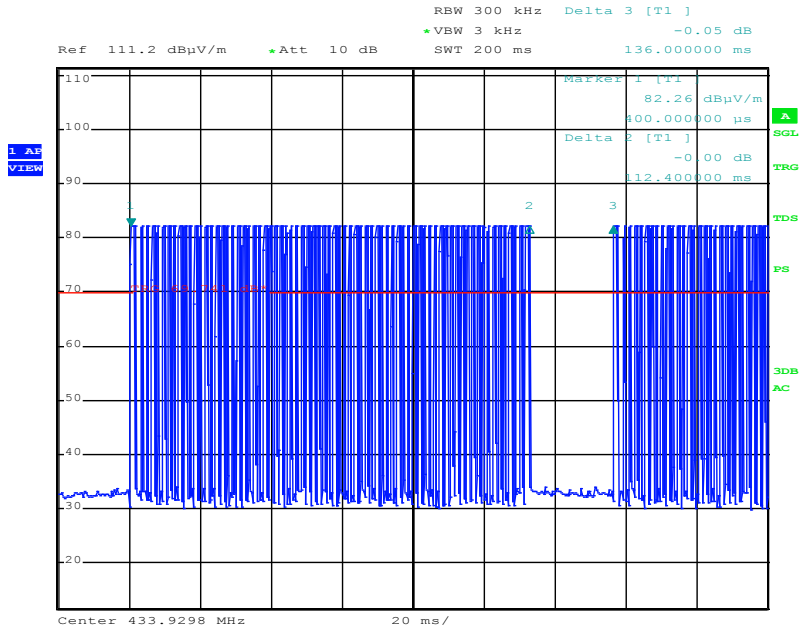
##### Test Data:

Frequency:	433.92MHz
Frame period:	136ms
Pause:	136-112.4 = 23.6ms
Pulse train length:	112.4ms
ON Time:	-
OFF Time:	-

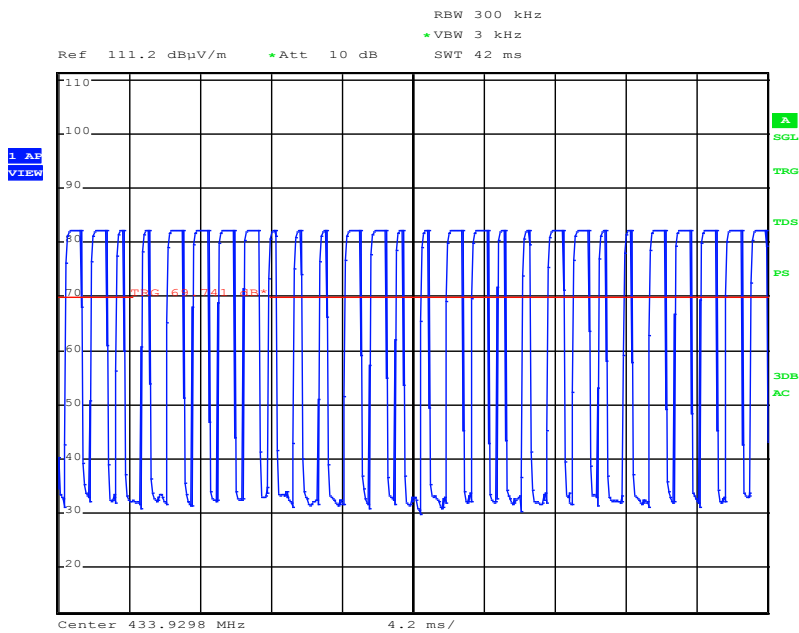
##### Comments:

-

# FCC test report



Date: 25.FEB.2016 17:09:39



Date: 25.FEB.2016 17:14:33

## 5.5 Transmit behaviour after releasing the TX-button

## Specify:

Base standard:	47CFR Part 15 Section 15.231 (a)
----------------	----------------------------------

## Test requirements:

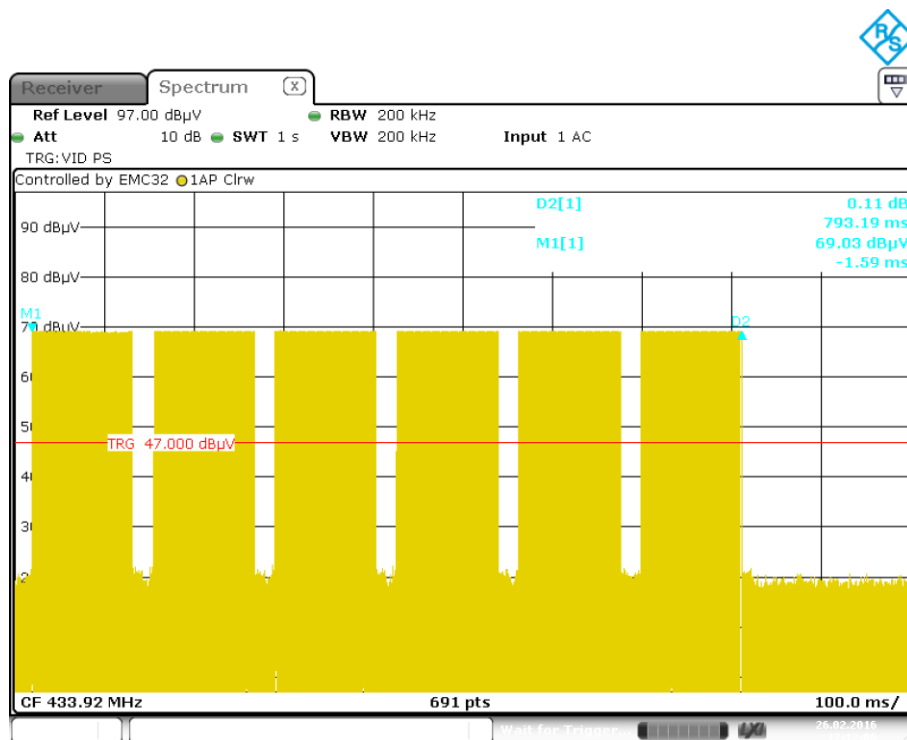
Test Setup:	47CFR Part 15 Section 15.35 (c)
RBW:	1MHz
VBW:	3MHz
Uncertainty:	0.2 $\mu$ s

## Test data:

T1:	-
T2:	-
T2-T1:	793.19ms

## Comments:

-



## 5.6 Radiated output power

**Specify:**

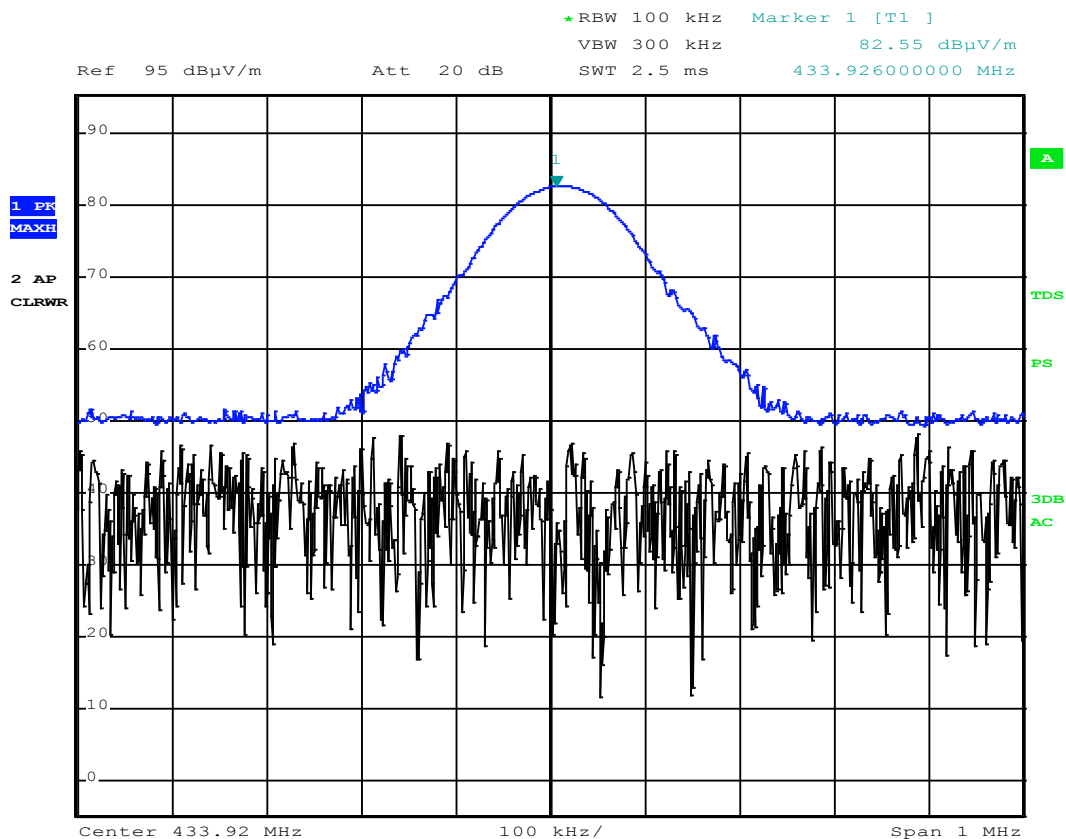
Base standard: FCC 15.231 (b)

**Test Requirements:**

RBW / VBW:	200Hz (f < 150kHz) 9kHz (150kHz < f < 30MHz) 120kHz (30MHz < f < 1000MHz) 1MHz (f > 1000MHz)
Uncertainty:	3.7dB

**Test data:**Output radiated power (3m of distance): 82.55dB $\mu$ V/m (Peak)**Comments:**

The results represent the worst case of emissions between three polarizations verified (X, Y and Z). The table was rotate of 360° and antenna receiving moved from 1m to 4m to find the maximum emission.



Date: 25.FEB.2016 12:10:55

## 5.7 Typical pulse train of a signal

**Specify:**

Base standard:	47CFR Part 15 Section 15.35 (c)
----------------	---------------------------------

**Test Setup:**

RBW:	1MHz
VBW:	3MHz
Uncertainty:	0.2 $\mu$ s

**Test Data:**

Duty-cycle	-
TX on	112.4ms
TX off	23.6ms
Average correction factor (20*log (duty cycle)):	20 x log (0.665) ) -3.54dB

**Comments:**

The impulse train contain a start bit of 1.5ms, a code of 74 pulses and a stop bit of 1.5ms.

Bit 1 = 1ms ON + 0.5ms OFF

Bit 0 = 0.5ms ON + 1ms OFF

1 pulse = 1ms + 0.5ms = 1.5ms

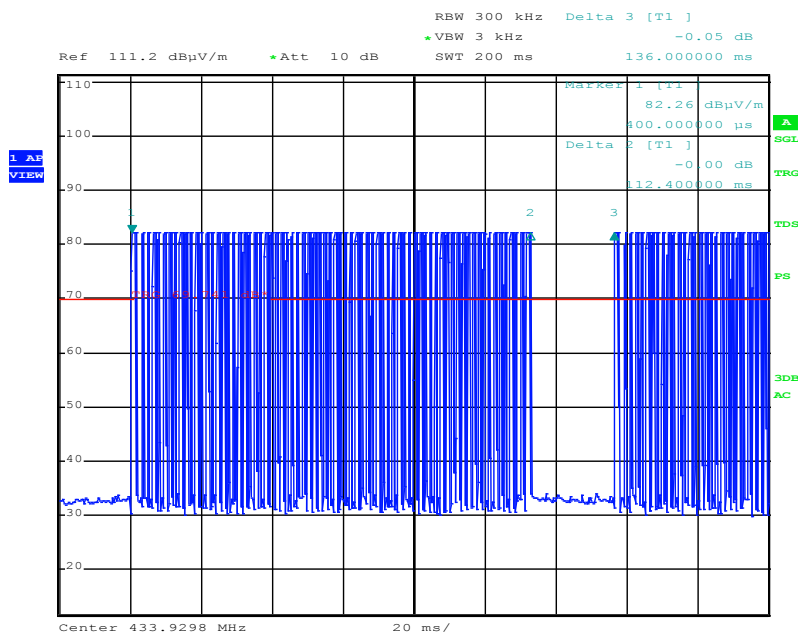
Train length = start bit + 74 pulses + stop bit = 1.5 + 74 x 1.5 + 1.5 = 114ms > 100ms

Number of pulses in 100ms = (100 - 1.5) / 1.5 = 65 pulses

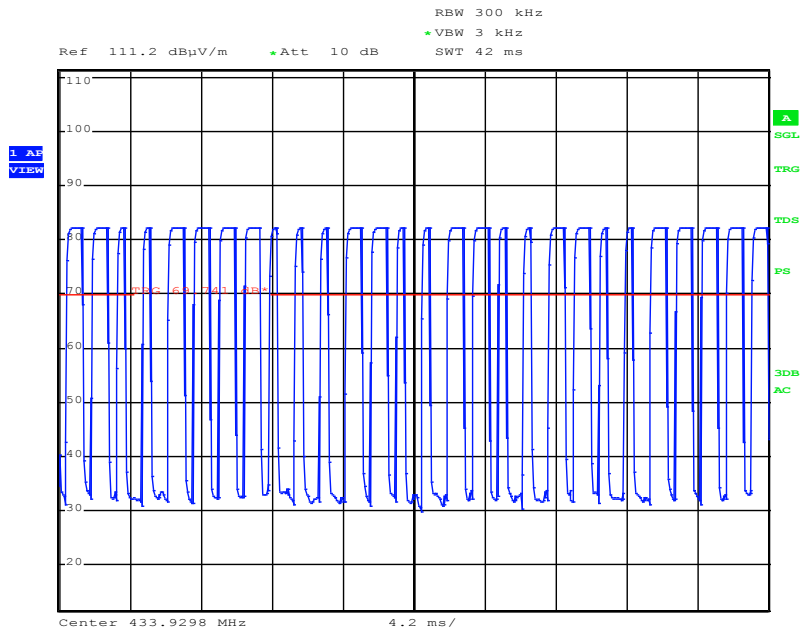
Train in 100ms = 1.5ms + 65 x 1ms = 66.5ms

Duty-cycle in 100ms = 66.5/100 = 0.665

Correction in worst case with all bit at 1 = 20 x log (0.665) = -3.54dB



Date: 25.FEB.2016 17:09:39



Date: 25.FEB.2016 17:14:33

## 5.8 Compliance with the limit of FCC

**Specify:**

Base standard:	47CFRF Part 15 Section 15.231 (c)
----------------	-----------------------------------

**Test Setup:**

RBW / VBW:	200Hz (f < 150kHz) 9kHz (150kHz < f < 30MHz) 120kHz (30MHz < f < 1000MHz) 1MHz (f > 1000MHz)
Uncertainty:	3.7dB

**Limits:**

Frequency [MHz]	Field Strength of the fundamental	Field Strength of spurious emissions
40,66 – 40,70	2 250 $\mu$ V/m / 67dB $\mu$ V/m	225 $\mu$ V/m / 47dB $\mu$ V/m
70 – 130	1 250 $\mu$ V/m / 62dB $\mu$ V/m	125 $\mu$ V/m / 42dB $\mu$ V/m
130 - 174	1 250 $\mu$ V/m to 3 750 $\mu$ V/m <sup>(1)</sup> 62 $\mu$ V/m to 71,5 $\mu$ V/m	125 $\mu$ V/m to 375 $\mu$ V/m <sup>(1)</sup> 42dB $\mu$ V/m to 51,5dB $\mu$ V/m
174 – 260	3 750 $\mu$ V/m / 71,5dB $\mu$ V/m	375 $\mu$ V/m / 51,5dB $\mu$ V/m
260 – 470	3 750 $\mu$ V/m to 12 500 $\mu$ V/m <sup>(1)</sup> 71,5 dB $\mu$ V/m to 82 dB $\mu$ V/m	375 $\mu$ V/m to 1 250 $\mu$ V/m <sup>(1)</sup> 51,5dB $\mu$ V/m to 62dB $\mu$ V/m
above 470	12 500 $\mu$ V/m / 82dB $\mu$ V/m	1 250 $\mu$ V/m / 62dB $\mu$ V/m

Note: <sup>(1)</sup> linear interpolations  
for 130 to 174MHz the interpolation is: 56,8182\*f – 6136,36 (f in MHz)  
for 260 to 470MHz the interpolation is: 41,667\*f – 7083,33 (f in MHz)

**Test Result:**

Frequency:	433.92MHz
Calculated average (3m of distance):	(82.55 – 3.5) = 79.05dB $\mu$ V/m

**Comments:**

The results represent the worst case of emissions between three polarizations verified (X, Y and Z). The table was rotate of 360° and antenna receiving moved from 1m to 4m to find the maximum emission.

## 5.9 Spurious emission - radiated

**Specify:**

Base standard: 47CFR Part 15 Section 15.231 (a)

**Test Setup:**

Uncertainty : 3.9dB

**Limits:**

Frequency [MHz]	Field Strength of the fundamental	Field Strength of spurious emissions
40,66 – 40,70	2 250 $\mu$ V/m / 67dB $\mu$ V/m	225 $\mu$ V/m / 47dB $\mu$ V/m
70 – 130	1 250 $\mu$ V/m / 62dB $\mu$ V/m	125 $\mu$ V/m / 42dB $\mu$ V/m
130 – 174	1 250 $\mu$ V/m to 3 750 $\mu$ V/m <sup>(1)</sup> 62 $\mu$ V/m to 71,5 $\mu$ V/m	125 $\mu$ V/m to 375 $\mu$ V/m <sup>(1)</sup> 42dB $\mu$ V/m to 51,5dB $\mu$ V/m
174 – 260	3 750 $\mu$ V/m / 71,5dB $\mu$ V/m	375 $\mu$ V/m / 51,5dB $\mu$ V/m
260 – 470	3 750 $\mu$ V/m to 12 500 $\mu$ V/m <sup>(1)</sup> 71,5 dB $\mu$ V/m to 82 dB $\mu$ V/m	375 $\mu$ V/m to 1 250 $\mu$ V/m <sup>(1)</sup> 51,5dB $\mu$ V/m to 62dB $\mu$ V/m
above 470	12 500 $\mu$ V/m / 82dB $\mu$ V/m	1 250 $\mu$ V/m / 62dB $\mu$ V/m

Note: <sup>(1)</sup> linear interpolations  
 for 130 to 174MHz the interpolation is:  $56,8182 \cdot f - 6136,36$  (f in MHz)  
 for 260 to 470MHz the interpolation is:  $41,667 \cdot f - 7083,33$  (f in MHz)

**Test Result:**

Frequency [MHz]	Peak Amplitude of emission (dB $\mu$ V/m)	Average Amplitude of emission (dB $\mu$ V/m)	Limit maximum allowed emission power	Actual attenuation below frequency of operation (dB)	Results
433.9260	85.55	79.05	80.83dB $\mu$ V/m	1.78	operating frequency
867.8650	35.71	32.21	-20dBc	28.62	Complies
1301.75	41.19	37.69	54.0dB $\mu$ V/m	23.14	Complies
1735.680	35.15	31.65	-20dBc	29.18	Complies
2169.470	41.82	38.32	-20dBc	57.33	Complies
2605.425	34.95	31.45	-20dBc	28.85	Complies
3036.605	35.45	31.95	-20dBc	28.35	Complies
3471.185	40.82	37.32	-20dBc	22.98	Complies
3905.920	35.52	32.02	54.0dB $\mu$ V/m	21.98	Complies
4339.26	35.43	31.93	54.0dB $\mu$ V/m	22.07	Complies

**Comments:**

The results represent the worst case of emissions between three polarizations verified (X, Y and Z). The table was rotate of 360° and antenna receiving moved from 1m to 4m to find the maximum emission.



## 5.10 Occupied bandwidth

**Specify:**

Base standard: 47CFR Part 15.231 (c)

The bandwidth of the emission shall be no wider than 0,25% of the center frequency for devices operating above 70MHz and below 900MHz. For devices operating above 900MHz, the emission shall be no wider than 0,5% of the center frequency. Bandwidth is determined at the points 20dB down from the modulated carrier.

**Test Setup:**

RBW: 1kHz

VBW: 3kHz

Uncertainty: 20Hz

**Limits:**

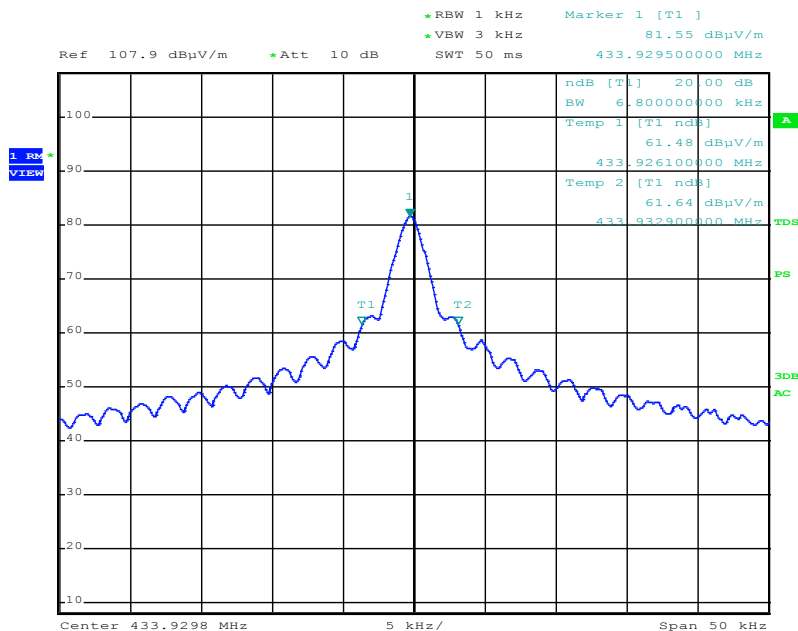
&lt; 0,25% of the centre frequency, here 4.57MHz

**Test Data:**

Occupied bandwidth at -20dB: 6.8kHz &lt; 1.08MHz

**Comments:**

-



Date: 25.FEB.2016 17:05:52

## 6

## Measurement and Test Equipment instrumentation

Code	nr.	Manufacturer	Model	Serial number	Date of Calibration	Calibration Due
ANA	7	Agilent	N9020A	MY48011101	19/03/2014	18/03/2016
ANA	12	Rohde & Schwarz	FSL3	102039		
ANA	13	Rohde & Schwarz	FLS3	101359	11/04/2013	11/04/2016
ANT	1	EMCO	3121C DB-4	9312-901		
ANT	3	Schwarzbeck	VULB9160	3180	24/07/2015	23/07/2017
ANT	4	AH System	SAS-571	684	23/07/2015	22/07/2017
ANT	5	AH System	SAS-562B	236	24/07/2015	23/07/2019
ANT	6	AH System	SAS-571	1025	23/07/2015	22/07/2017
ANT	7	Aaronia	BicoLOG 30100	1293	23/07/2015	22/07/2017
ANT	9	Schwarzbeck	VHBA 9123	525	23/07/2015	22/07/2017
ATT	1	-	PE7021-6			
ATT	2	Tyco Electronics Co.	50WCW	-		

Code	nr.	Manufacturer	Model	Serial number	Date of Calibration	Calibration Due
ATT	5	RADIALL	R414.710.000	-		
ATT	6	RADIALL	R414.710.000	-		
ATT	7	RADIALL	R414.720.000	-		
CAV	1	Rohde & Schwarz	HFU2-Z5	-	18/09/2013	17/09/2017
CAV	2	Rohde & Schwarz	HFU2-Z4	-	18/09/2013	17/09/2017
CAV	3	TESEO	CAVO A	-	18/09/2013	17/09/2017
CAV	5	TESEO	CAVO C	-	18/09/2013	17/09/2017
CAV	6	TESEO	CAVO D	-	18/09/2013	17/09/2017
CAV	7	TESEO	CAVO E	-	18/09/2013	17/09/2017
CAV	13	TESEO	CAVO G	-	18/09/2013	17/09/2017
CAV	14	TESEO	CAVO H	-	18/09/2013	17/09/2017
CAV	15	TESEO	CAVO I	-	18/09/2013	17/09/2017

Code	nr.	Manufacturer	Model	Serial number	Date of Calibration	Calibration Due
CAV	16	Rohde & Schwarz	9111505/200 (CAVO J)	5995-12-161- 6890	18/09/2013	17/09/2017
CAV	17	Nice	CAVO K	-	18/09/2013	17/09/2017
CAV	18	Nice	CAVO L	-	18/09/2013	17/09/2017
CAV	19	Nice	Cavo M	-	18/09/2013	17/09/2017
CAV	20	Nice	Cavo N	-	18/09/2013	17/09/2017
CAV	21	Nice	Cavo P	-	18/09/2013	17/09/2017
CAV	22	Nice	Cavo R	-	18/09/2013	17/09/2017
CDN	1	FCC	FCC 801-M2- 16A-SPJ	5024	24/07/2015	23/07/2017
CDN	2	FCC	FCC 801-M3- 16A-S	5032	24/07/2015	23/07/2017
CDN	3	FCC	FCC801-150-50 CDN	05031 & 05032		
CDN	4	FCC	FCC 801-M1-16A	7035	24/07/2015	23/07/2017
CDN	5	FCC	FCC 801-150-50- CDN	07113 & 07114		
CDN	6	FCC	FCC 801-M4-16A	100726	17/06/2014	16/06/2016
CDN	7	FCC	FCC-801-M5-16A	100727	17/06/2014	16/06/2016

Code	nr.	Manufacturer	Model	Serial number	Date of Calibration	Calibration Due
CSA	1	TESEO	EN 55022 EN 610004-3	NSA	11/08/2015	10/08/2016
CSA	1	TESEO	EN 55022 EN 610004-3	CISPR 16-1-4	14/04/2009	14/04/2019
CSA	1	TESEO	EN 55022 EN 610004-3	EN 61000-4-3	05/11/2015	04/11/2016
ECL	1	FCC	F-203I-23	466	23/07/2015	22/07/2017
ECL	2	FCC	F-203I-CF-23MM	445		
GEN	7	Rohde & Schwarz	SML 03	102178	22/07/2014	21/07/2016
GEN	8	Agilent	N5182A	MY48180288	23/09/2013	22/09/2016
LIS	2	Rohde & Schwarz	ESH2-Z5	100183	23/07/2015	22/07/2017
PAS	1	FCC	F-202	197	11/06/2012	11/06/2016
PRE	2	Schwarzbeck	BBV 9718	9718-178	30/07/2014	29/07/2016
RIC	1	Rohde & Schwarz	ESCI	100140	18/03/2015	17/03/2016
RIC	2	Rohde & Schwarz	ESR 7	101498	09/11/2015	08/11/2016
SCO	7	FCC	F-51	454	17/06/2014	16/06/2017
SCO	8	Teseo	EQ-51-1	D047	17/06/2014	16/06/2017
SCO	9	FCC	F-33-4	63	17/06/2014	16/06/2017

Code	nr.	Manufacturer	Model	Serial number	Date of Calibration	Calibration Due
SOF	1	Rohde & Schwarz	EMC32	V8.54.0		

# 7

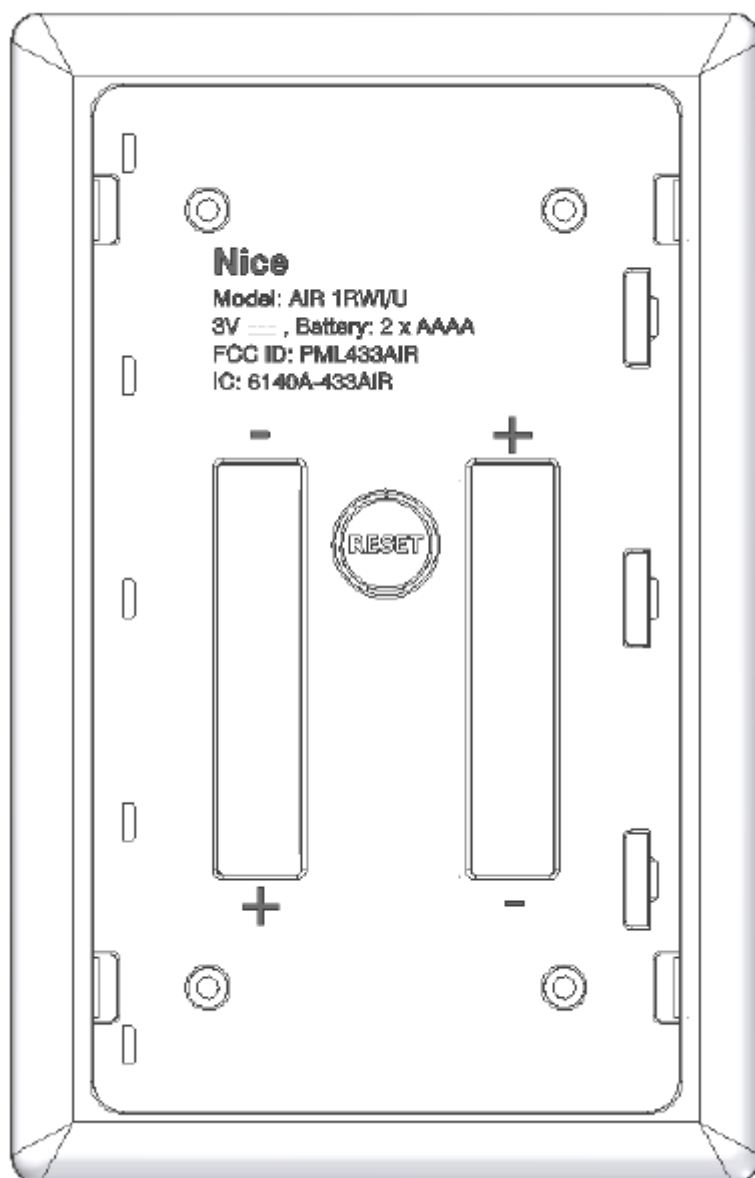
## Photographic Documentation

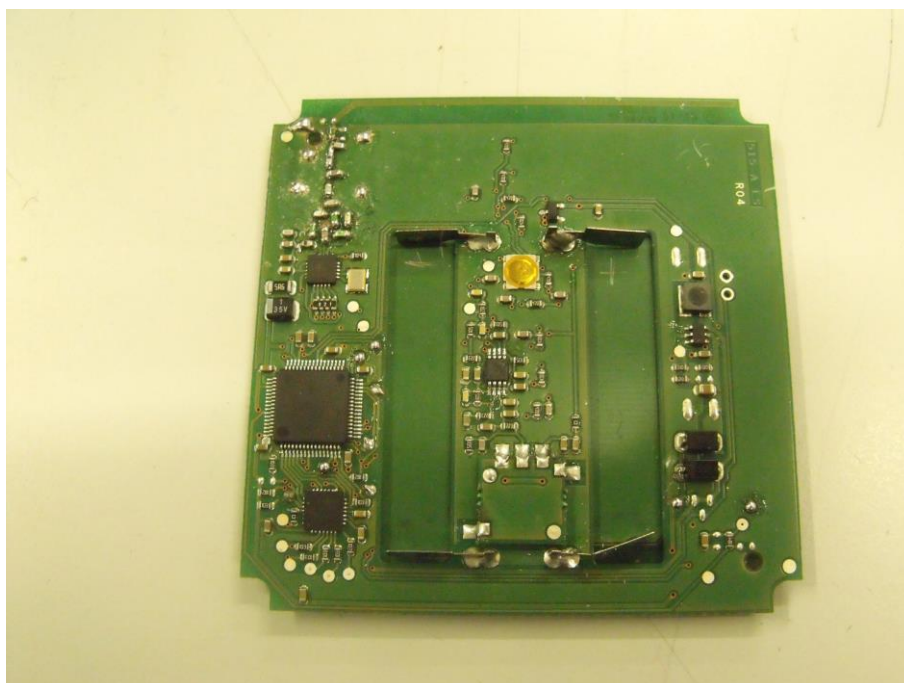
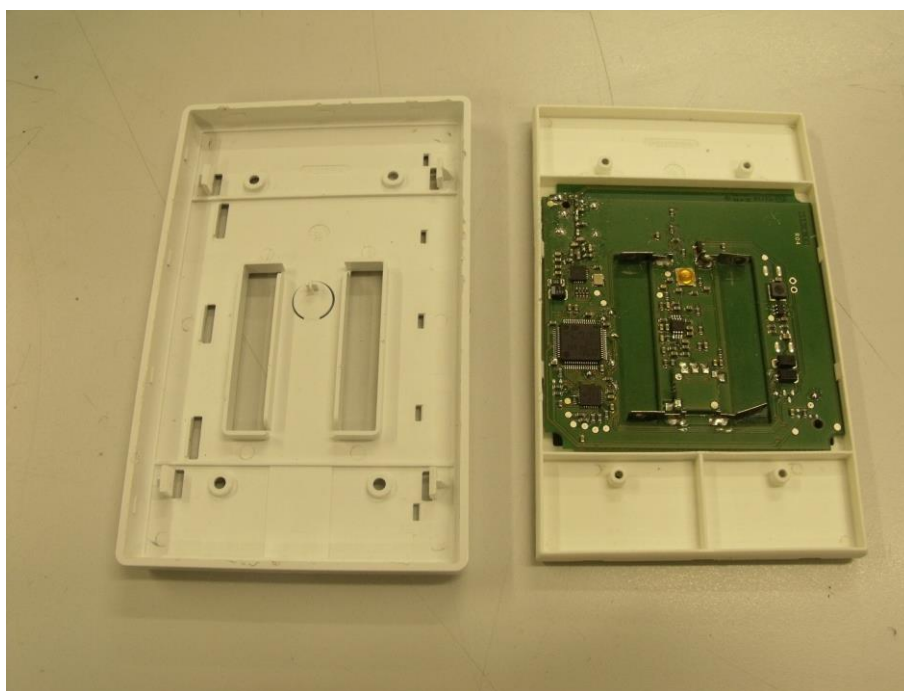
### 8.1 EUT Identification

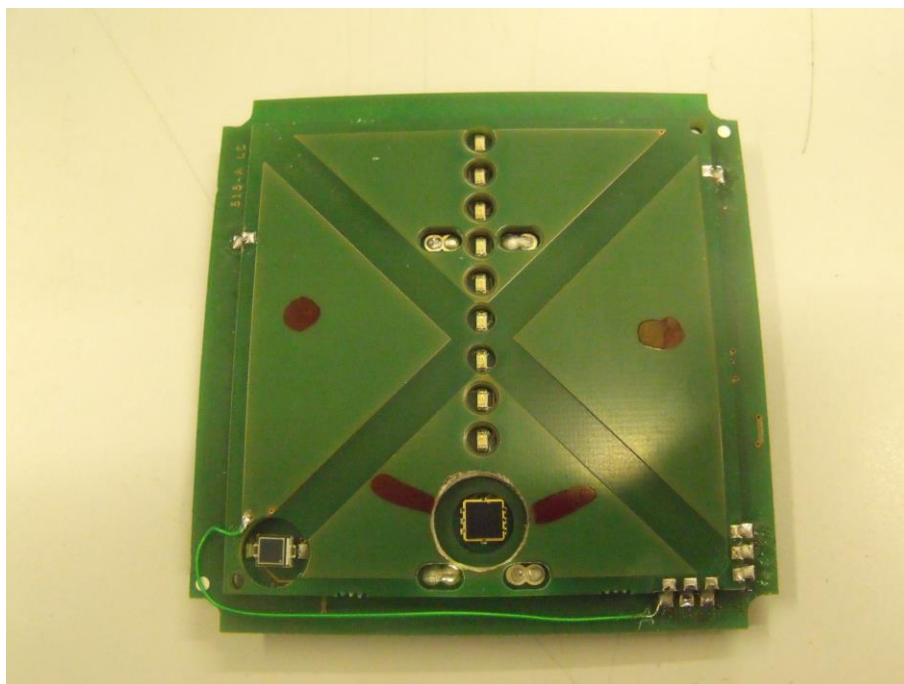






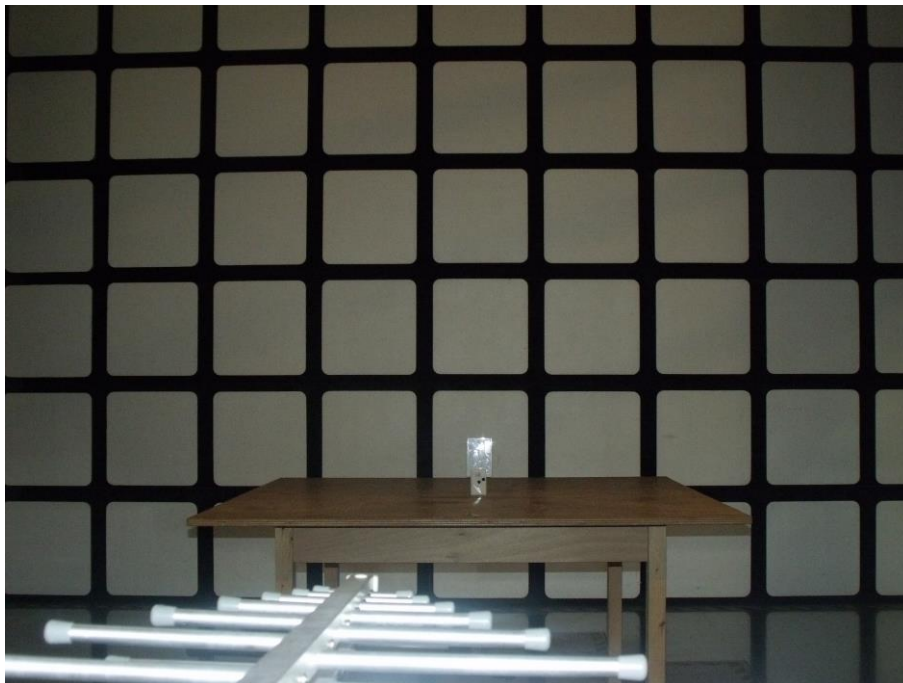
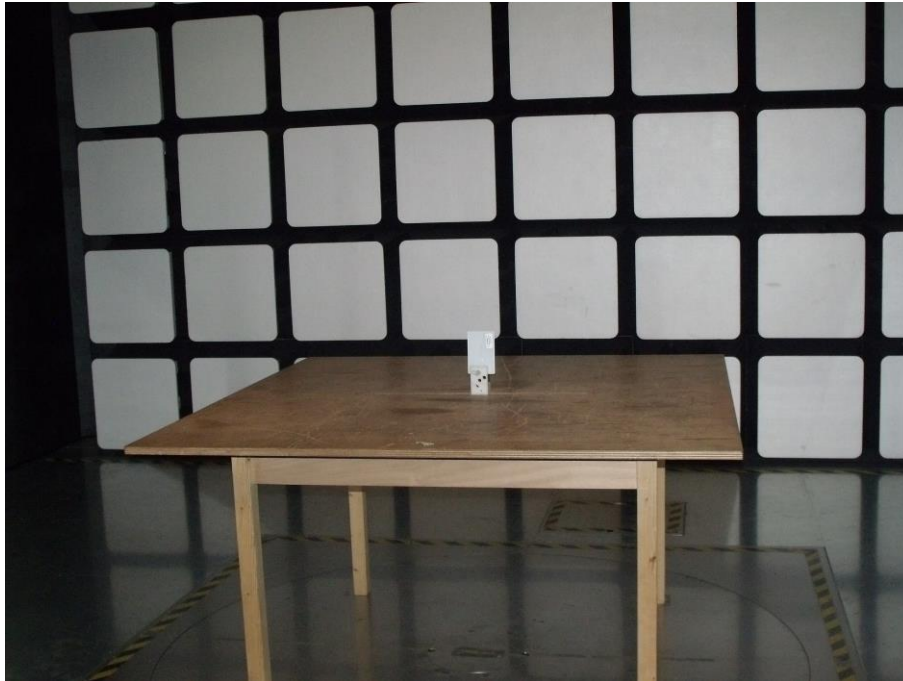






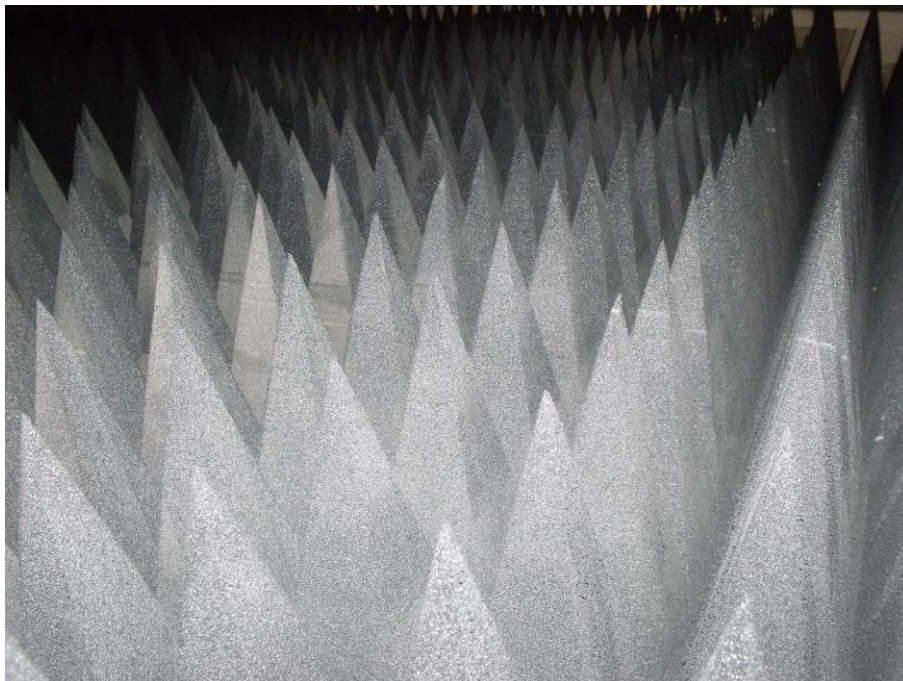
## 8.2 Test Set-up

Radiated emissions:









Absorbers on the floor for frequency > 1GHz according to C63.10 (2013)

## Annex 1

## FEDERAL COMMUNICATIONS COMMISSION

Laboratory Division  
7435 Oakland Mills Road  
Columbia, MD 21046

May 17, 2013

Registration Number: 771316

NICE S.p.A.  
Via Pezza Alta, 13,  
,  
Oderzo, 31046  
Italy

Attention: Enrico Campion, Mr.

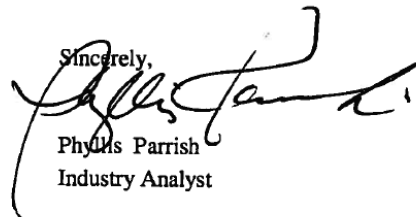
Re: Measurement facility located at Via Pezza Alta, 13 - I-31046 Oderzo  
Anechoic chamber (3 meter)  
Date of Renewal: May 17, 2013

Dear Sir or Madam:

Your request for renewal of the registration of the subject measurement facility has been received. The information submitted has been placed in your file and the registration has been renewed. The name of your organization will remain on the list of facilities whose measurement data will be accepted in conjunction with applications for Certification under Parts 15 or 18 of the Commission's Rules. Please note that the file must be updated for any changes made to the facility and the registration must be renewed at least every three years.

Measurement facilities that have indicated that they are available to the public to perform measurement services on a fee basis may be found on the FCC website [www.fcc.gov](http://www.fcc.gov) under E-Filing, OET Equipment Authorization Electronic Filing, Test Firms.

Sincerely,



Phyllis Parrish  
Industry Analyst