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**FCC PART 73.801
FM BROADCAST STATIONS (LPFM)
TEST REPORT**

APPLICANT	DB ELETTRONICA TELECOMUNICAZIONI S.P.A.
ADDRESS	RIVIERA MAESTRI DEL LAVORO 20/1
	PADOVA ITALY
FCC ID	2ACBVMOZART500
MODEL NUMBER	MOZART 500
PRODUCT DESCRIPTION	500W FM BROADCAST TRANSMITTER
DATE SAMPLE RECEIVED	March 12, 2014
DATE TESTED	March 24 to 28, 2014
REPORT ISSUE DATE	March 31, 2014
TESTED BY	Mario de Aranzeta
APPROVED BY	Mario de Aranzeta
TIMCO REPORT NO.	365AUT14TestReport.docx
TEST RESULTS	☒ PASS ☐ FAIL

THE ATTACHED REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL OF TIMCO ENGINEERING, INC.
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GENERAL REMARKS

The attached report shall not be reproduced except in full without the written permission of Timco Engineering Inc.

Summary

The device under test does:

- ☒ fulfill the general approval requirements as identified in this test report
☐ not fulfill the general approval requirements as identified in this test report

Attestations

This equipment has been tested in accordance with the standards identified in this test report. To the best of my knowledge and belief, these tests were performed using the measurement procedures described in this report.

All instrumentation and accessories used to test products for compliance to the indicated standards are calibrated regularly in accordance with ISO 17025: 2005 requirements.

I attest that the necessary measurements were made, under my supervision, at:

Timco Engineering Inc.
849 NW State Road 45
Newberry, FL 32669

Authorized Signatory Name:

A circular purple ink stamp with the text "TIMCO ENGINEERING, INC." around the perimeter. Inside the circle is a handwritten signature in blue ink.

Mario de Aranzeta
Engineering Project Manager

Date: March 31, 2014

GENERAL INFORMATION

DUT Specification

DUT Description	500W FM BROADCAST TRANSMITTER
FCC ID	2ACBVMOZART500
Model Number	MOZART 500
Operating Frequency	88 TO 108 MHz
Type of Emission	180KF3E, 180KF8E
Modulation	FM
Output power	500 Watts (high) 10 Watts (low) The transmitter is capable of continuously variable power from 10W to 500W.
DUT Power Source	☒ 110–120Vac/50– 60Hz
	☐ DC Power 12V
	☐ Battery Operated Exclusively
Test Item	☐ Prototype
	☐ Pre-Production
	☒ Production
Type of Equipment	☒ Fixed
	☐ Mobile
	☐ Portable
Test Conditions	The temperature was 26°C Relative humidity of 50%.
Modification to the DUT	None
Test Exercise	The DUT was placed in continuous transmit mode.
Applicable Standards	ANSI/TIA 603-D: 2010, FCC CFR 47 Part 73
Test Facility	Timco Engineering Inc. 849 NW State Road 45 Newberry, FL 32669 USA.

TEST PROCEDURE

Bandwidth 20 dB: The measurements were made with the spectrum analyzer's resolution bandwidth (RBW) = 1 MHz and the video bandwidth (VBW) = 3 MHz and the span set as shown on plot.

Power Output: The RF power output was measured at the antenna feed point using a spectrum analyzer.

Antenna Conducted Emissions: The RBW = 100 kHz, VBW = 300 kHz and the span set to 10.0 MHz and the spectrum was scanned from 30 MHz to the 10th harmonic of the fundamental. Above 1 GHz the resolution bandwidth was 1 MHz and the VBW = 3 MHz and the span to 50 MHz.

Radiation Interference: The test procedure used was ANSI/TIA 603-D: 2010, using an Agilent spectrum receiver with pre-selector. The bandwidth (RBW) of the spectrum receiver was 100 kHz up to 1 GHz and 1 MHz above 1 GHz with an appropriate sweep speed. The VBW above 1 GHz was 3 MHz. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

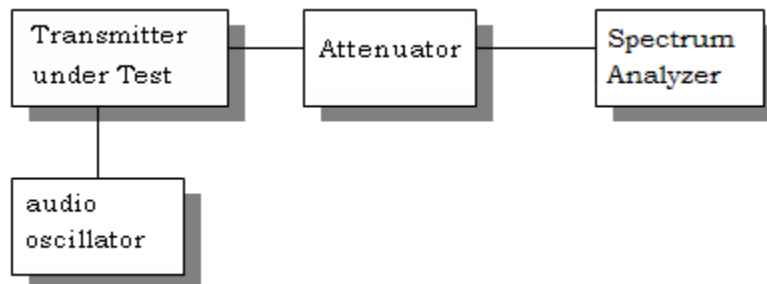
RF POWER OUTPUT

Rule Part No.: Part 2.1046, Part 73.267 (b)(2)

Test Requirements:

Method of Measurement: RF power was measured by using a spectrum analyzer.
ANSI/TIA 603-D: 2010

Test Setup Diagram:



Test Data:

OUTPUT POWER: HIGH – 500.0 Watts
LOW - 10.0 Watts

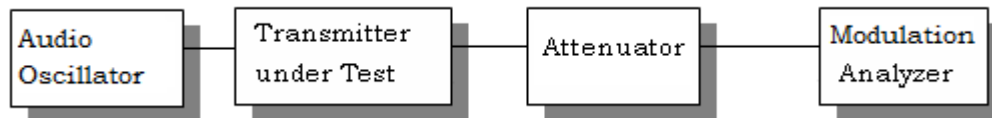
Part 2.1033 (C)(8) DC Input into the final amplifier

FOR HIGH POWER SETTING INPUT POWER 39 V at 15 A = 585 W
FOR LOW POWER SETTING INPUT POWER: 13.6 V at 4.4A = 60 W

MODULATION CHARACTERISTICS

Rule Part No.: Part 2.1047(a)(b)

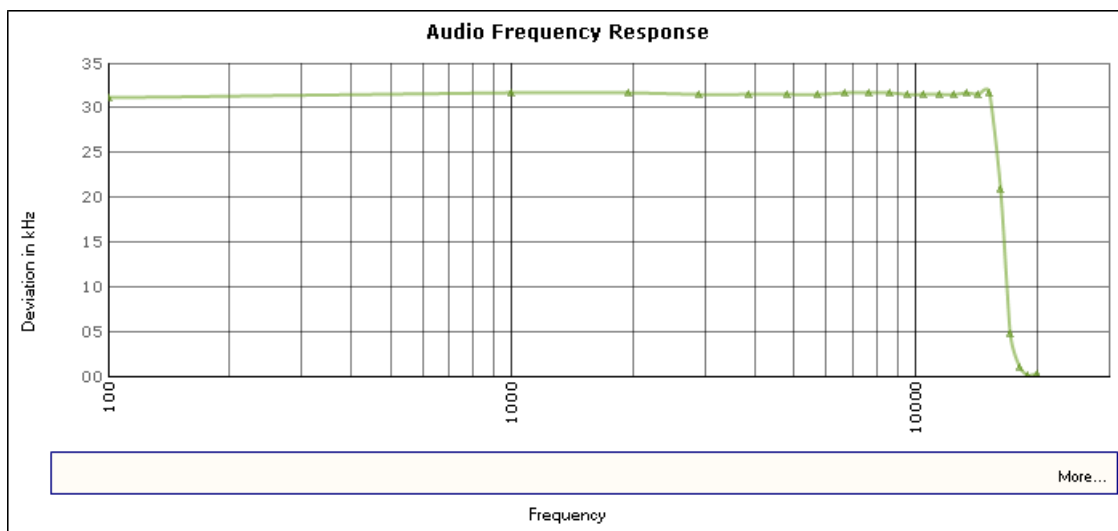
Method of Measurement:



Audio frequency response

The audio frequency response was measured in accordance with ANSI/TIA 603-D: 2010. The audio frequency response curve is shown below.

AUDIO FREQUENCY RESPONSE PLOT



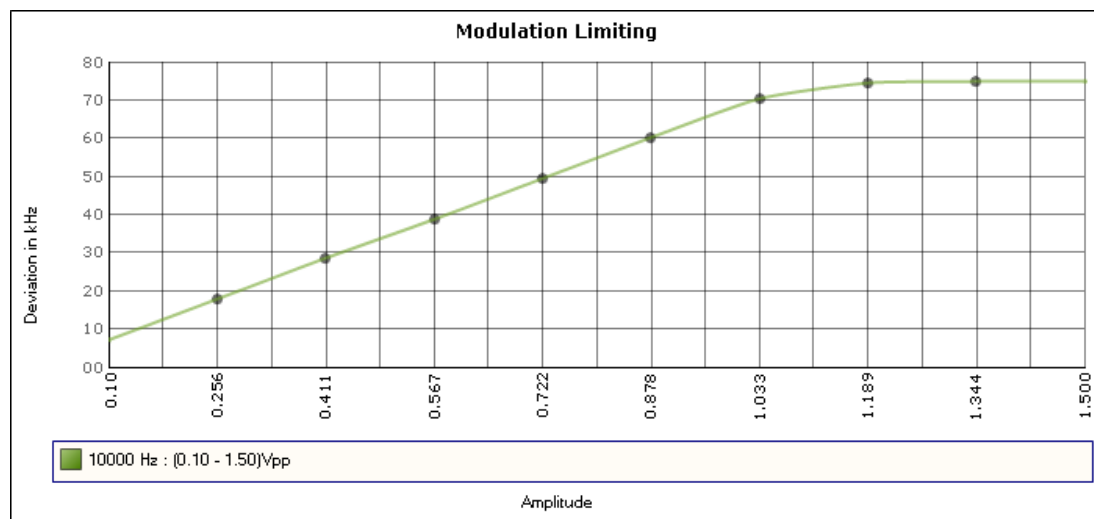
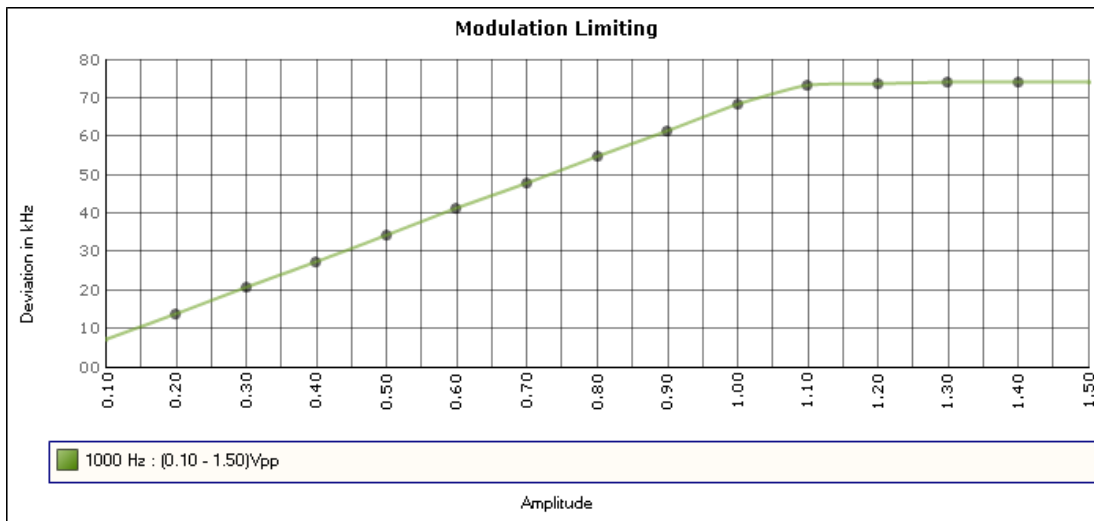
AUDIO INPUT VERSUS MODULATION

Rule Part No.: Part 2.1047(b)

Method of Measurement:

Modulation shall not exceed 100%, The audio input level needed for a particular percentage of modulation was measured in accordance with ANSI/TIA 603-D: 2010. The audio input curves versus modulation are shown below. Curves are provided for audio input frequencies of 1000, and 10,000 Hz.

Test data:



OTHER MODULATION CHARACTERISTICS

Part 2.1033(c) (4) Type of Emission: 180KF3E, 180KF8E

$$B_n = 2M + 2DK$$

$$M = 15000$$

$$D = 75 \text{ kHz (Peak Deviation)}$$

$$K = 1$$

$$B_n = 2(15K) + 2(75K)(1) = 180K$$

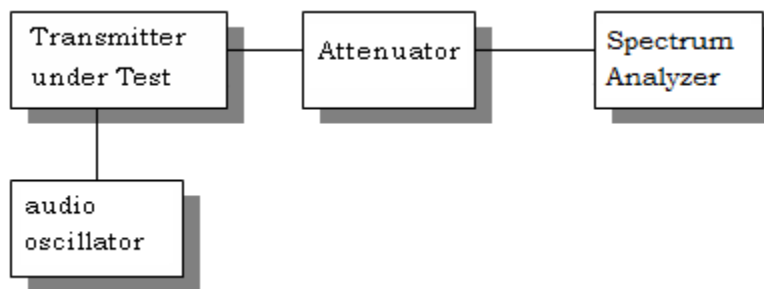
ALLOWED AUTHORIZED BANDWIDTH = 200 kHz.

OCCUPIED BANDWIDTH

Any emission appearing on the frequency removed from the carrier between 120 kHz and 240 kHz inclusive must be attenuated at least 25 dB below the level of the un-modulated carrier. Compliance with this requirement will be deemed to show occupied bandwidth to be 240 kHz or less. Any emission appearing on the frequency removed from the carrier by more than 240 kHz and up to and including 600 kHz must be attenuated at least 35 dB below the level of the un-modulated carrier. Any emission appearing on the frequency removed from the carrier by more than 600 kHz must be attenuated at least $43 + 10 \log(P)$ dB below the level of the un-modulated carrier, or 80 dB, whichever is the lesser attenuation.

Method of Measurement: ANSI / TIA 603-D: 2010

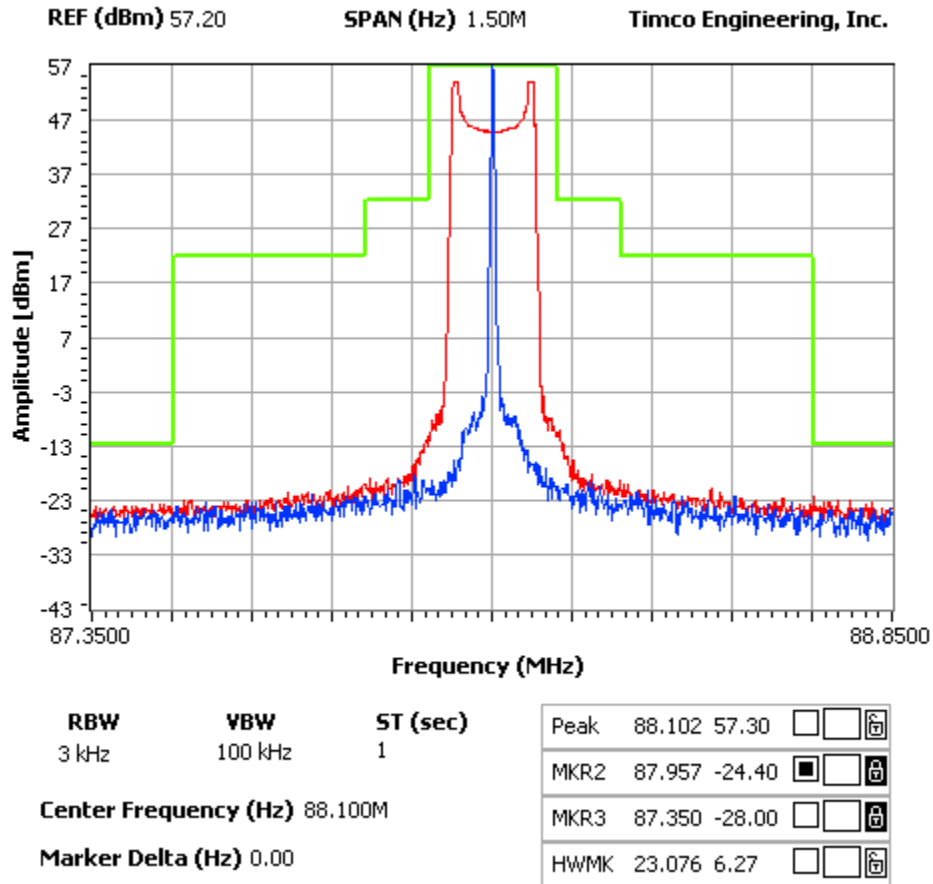
Test Setup Diagram:



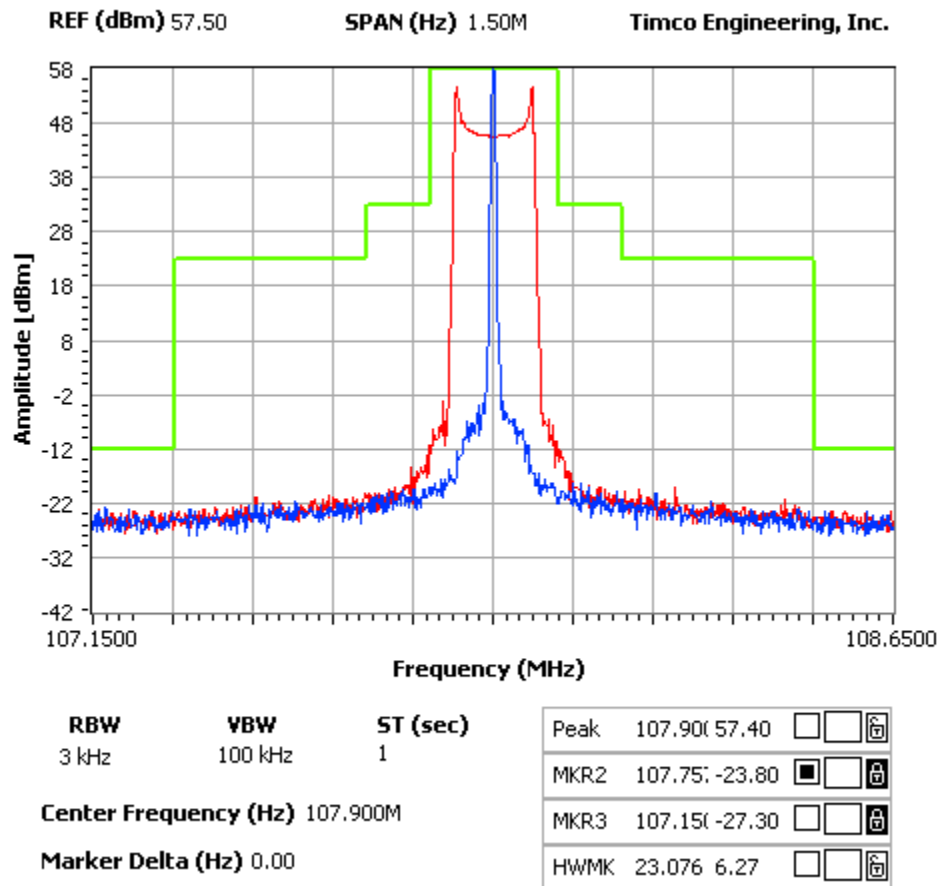
REQUIREMENT: PART 73: 200 kHz EMISSION BANDWIDTH.

Test Data: See the plots below

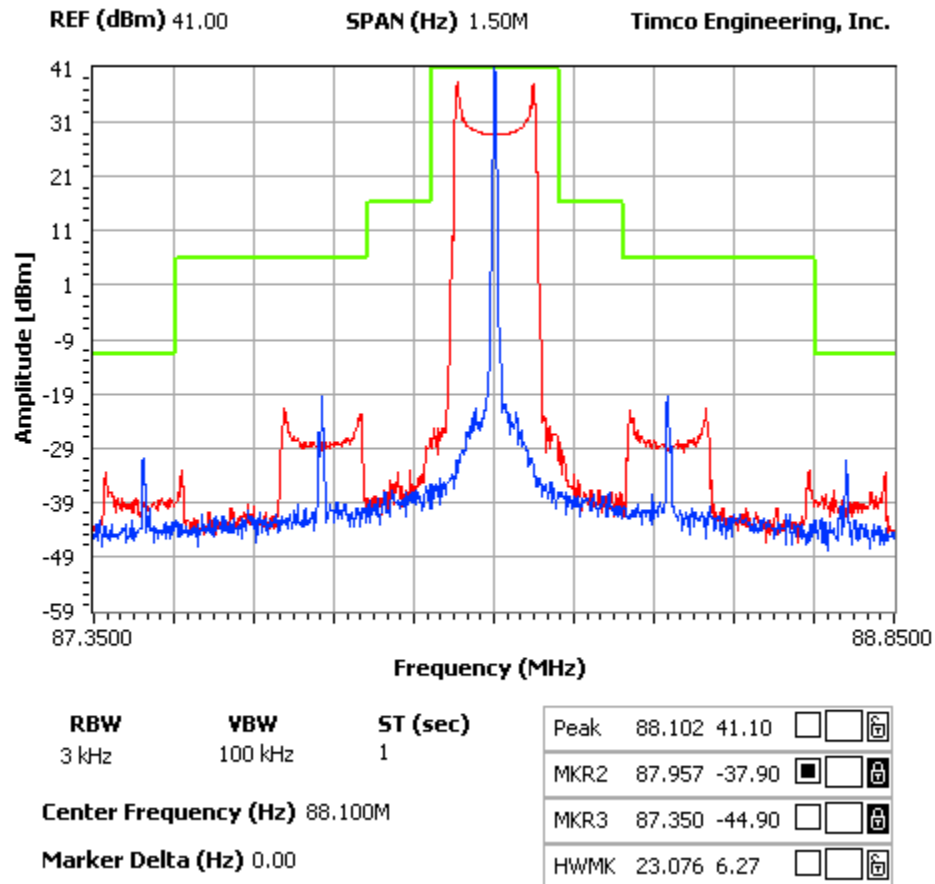
OCCUPIED BANDWIDTH PLOT



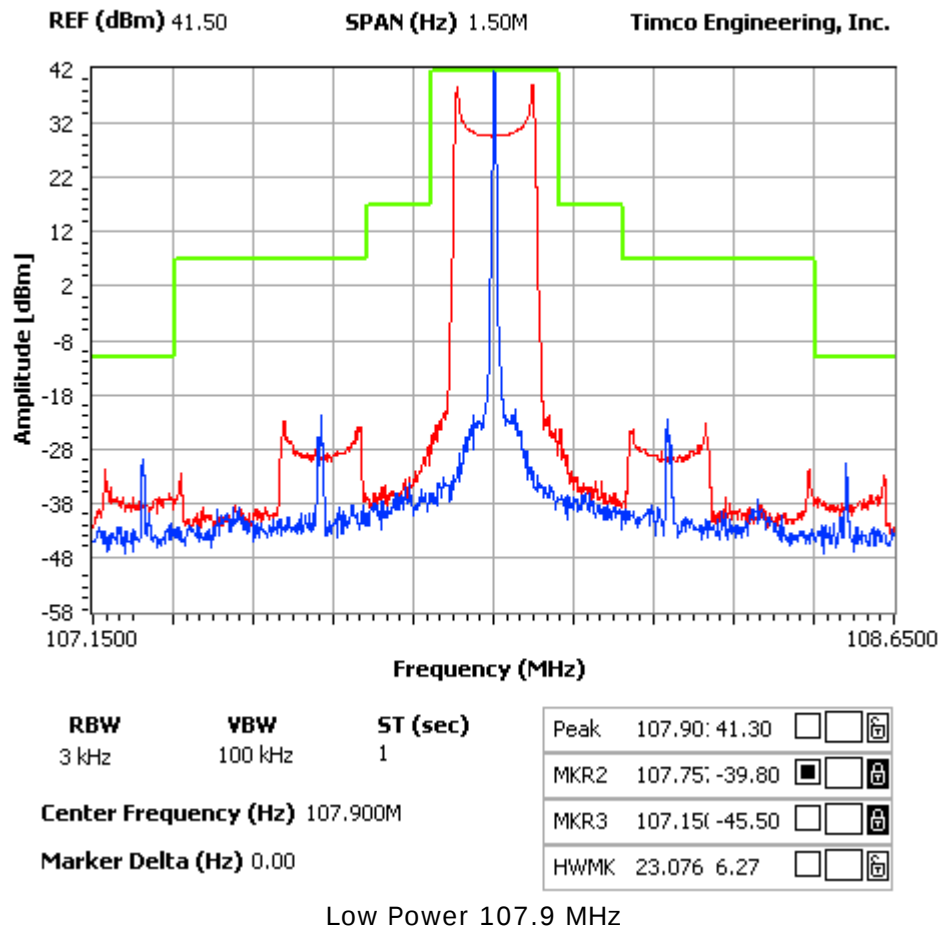
High Power 88.1 MHz



High Power 107.9 MHz



Low Power 88.1 MHz



SPURIOUS EMISSIONS AT ANTENNA TERMINALS (CONDUCTED)

Rule Part No.: Part 2.1051(a)

Data on the following page shows the level of conducted spurious responses. The carrier was modulated 100% using 2500Hz tone. The spectrum was scanned from 9 kHz or the lowest frequency generated to at least the 10th harmonic of the fundamental. The measurements were made in accordance with standard ANSI/TIA-603-D-2010.

REQUIREMENTS: Emissions must be $43 + 10\log(P_o)$ dB below the mean power output of the transmitter.

Limits:

$$43 + 10\log(500) = 70 \text{ dB}$$

Low power $43 + 10\log(10) = 53 \text{ dB}$

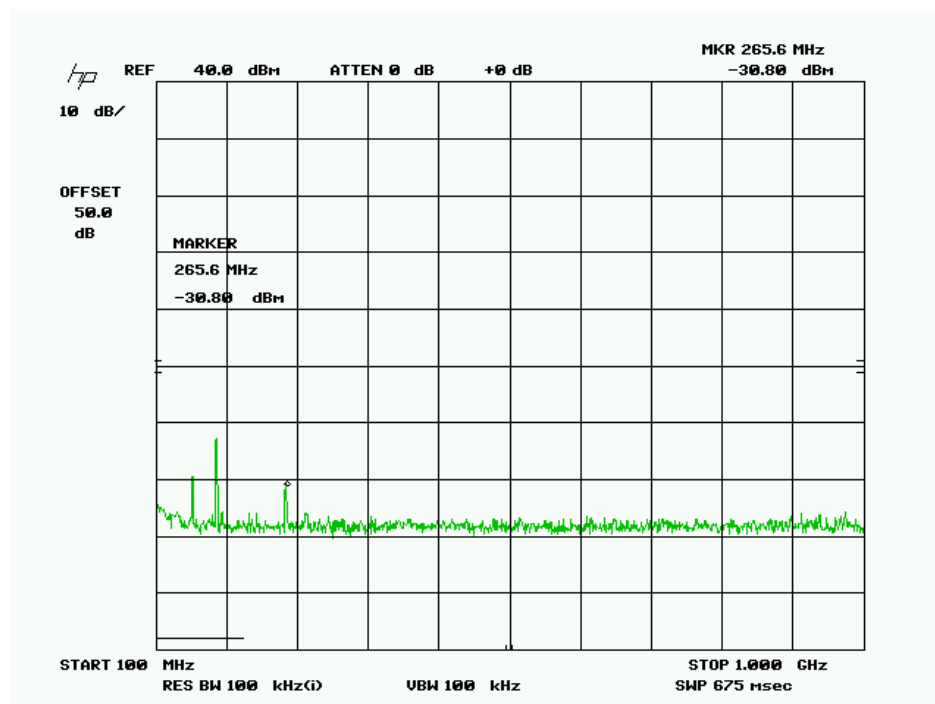
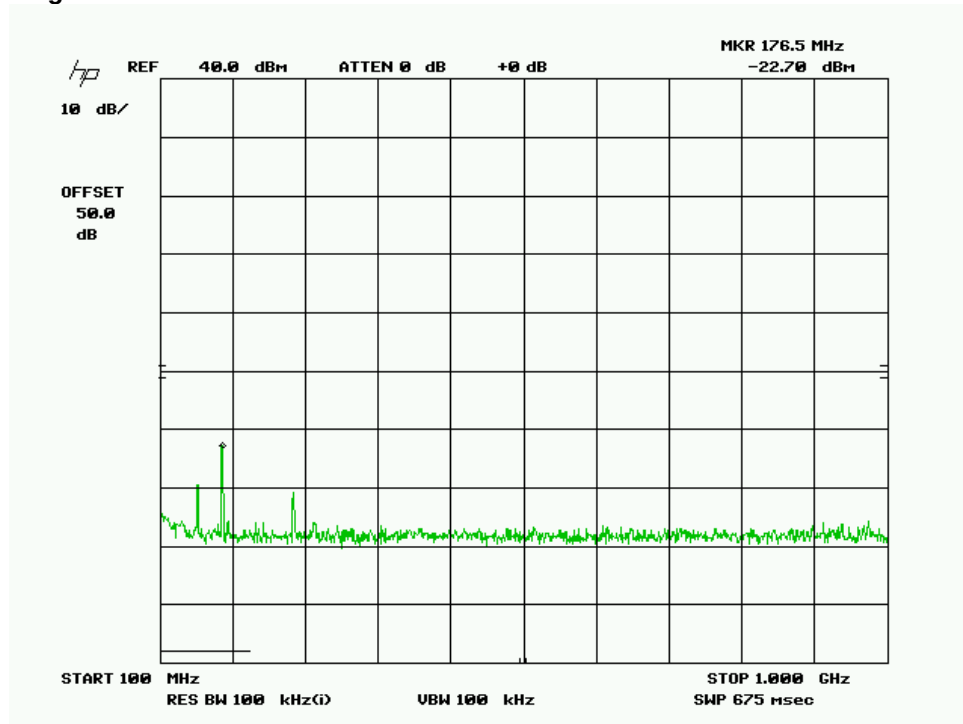
TF HIGH POWER	EF	dB below carrier		TF LOW POWER	EF	dB below carrier
88.1				88.1		
	176.2	79.7			176.2	70.5
	264.3	87.8			264.3	78*
	352.4	93*			352.4	78*
	440.5	93*			440.5	78*
	528.6	93*			528.6	78*
	616.7	93*			616.7	
	704.8				704.8	
	792.9				792.9	
	881				881	
					118	85
					128	70.5

TF HIGH POWER	EF	dB below carrier		TF LOW POWER	EF	dB below carrier
97.9				97.9		
	195.8	84.7			195.8	75.7
	293.7	87			293.7	78*
	391.6	93*			391.6	78*
	489.5	93*			489.5	78*
	587.4	93*			587.4	78*
	685.3	93*			685.3	
	783.2				783.2	
	881.1				881.1	
	979				979	
					118	69.7

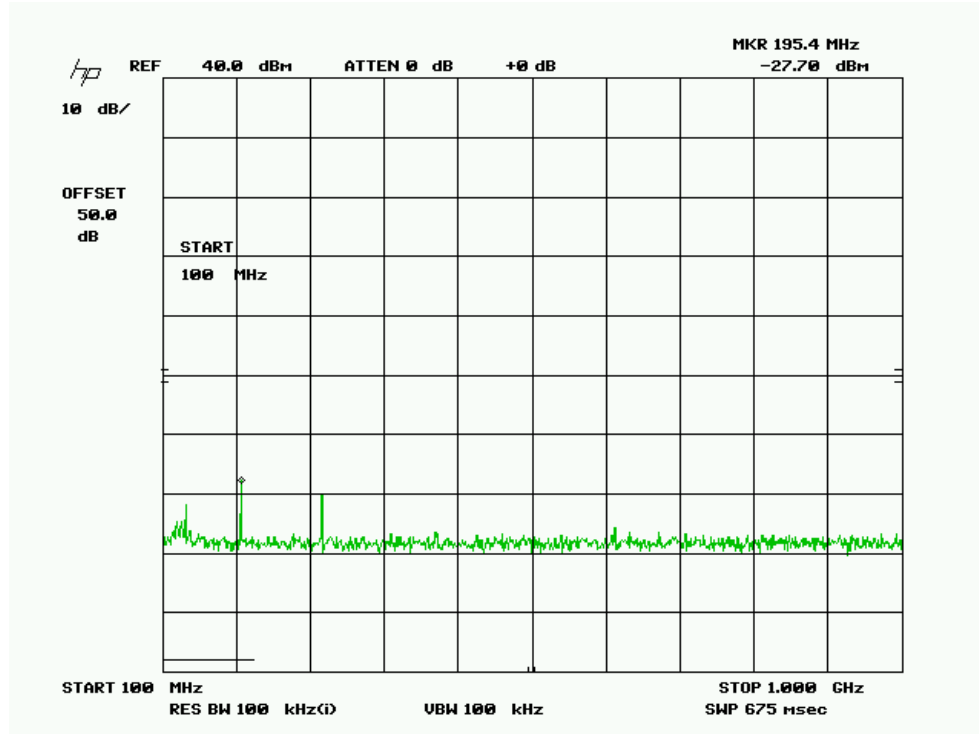
TF HIGH POWER	EF	dB below carrier		TF LOW POWER	EF	dB below carrier
107.9				107.9		
	215.8	93*			215.8	84*
	323.7	86.4			323.7	84*
	431.6	93*			431.6	84*
	539.5	93*			539.5	84*
	647.4	93*			647.4	84*
	755.3	93*			755.3	
	863.2				863.2	
	971.1				971.1	
	1079				1079	
					144	75.4

* Is Noise Floor

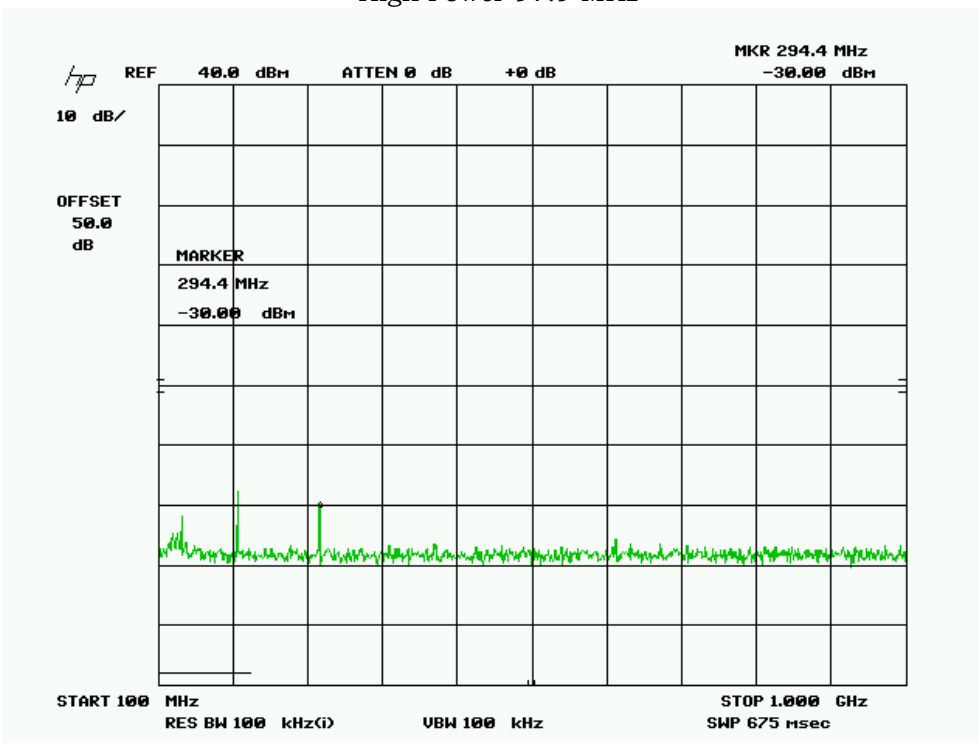
Test Data:
88.1 MHz High Power



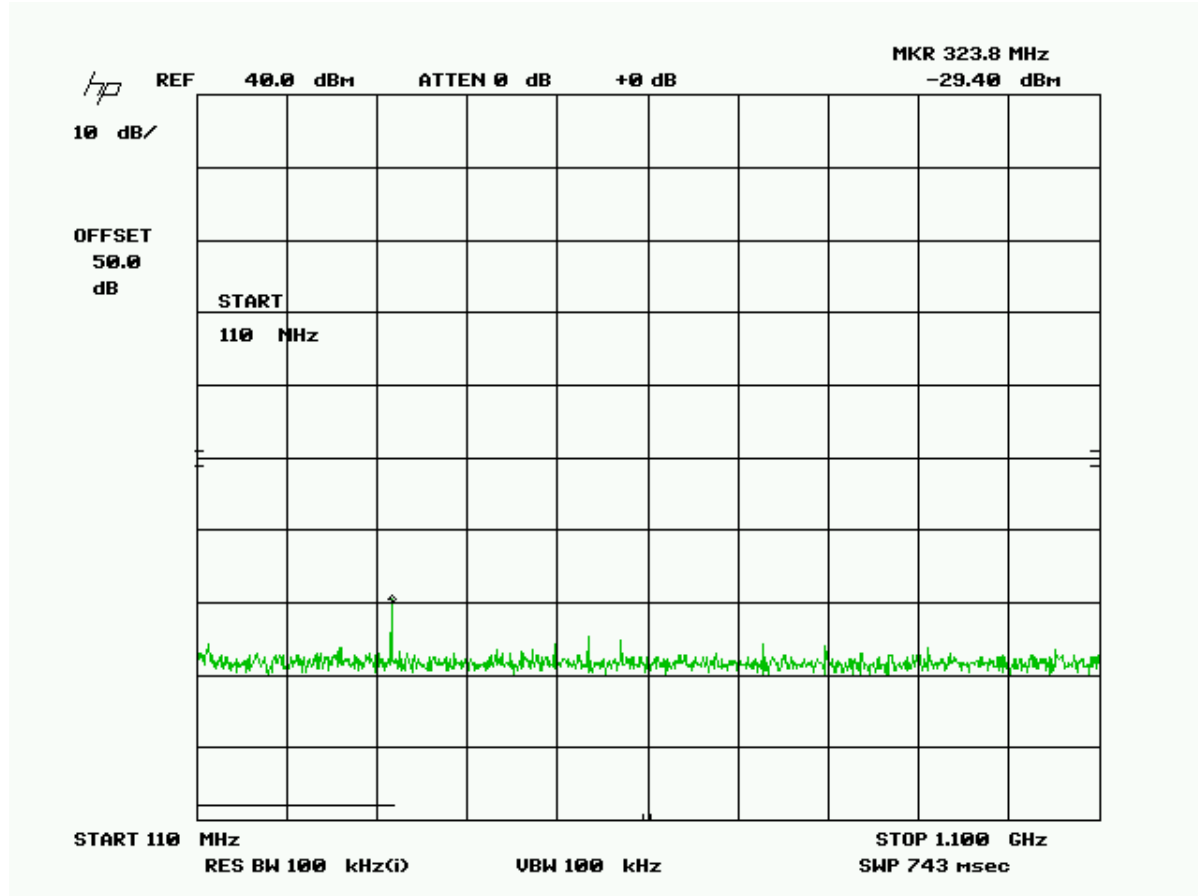
97.9 MHz



High Power 97.9 MHz

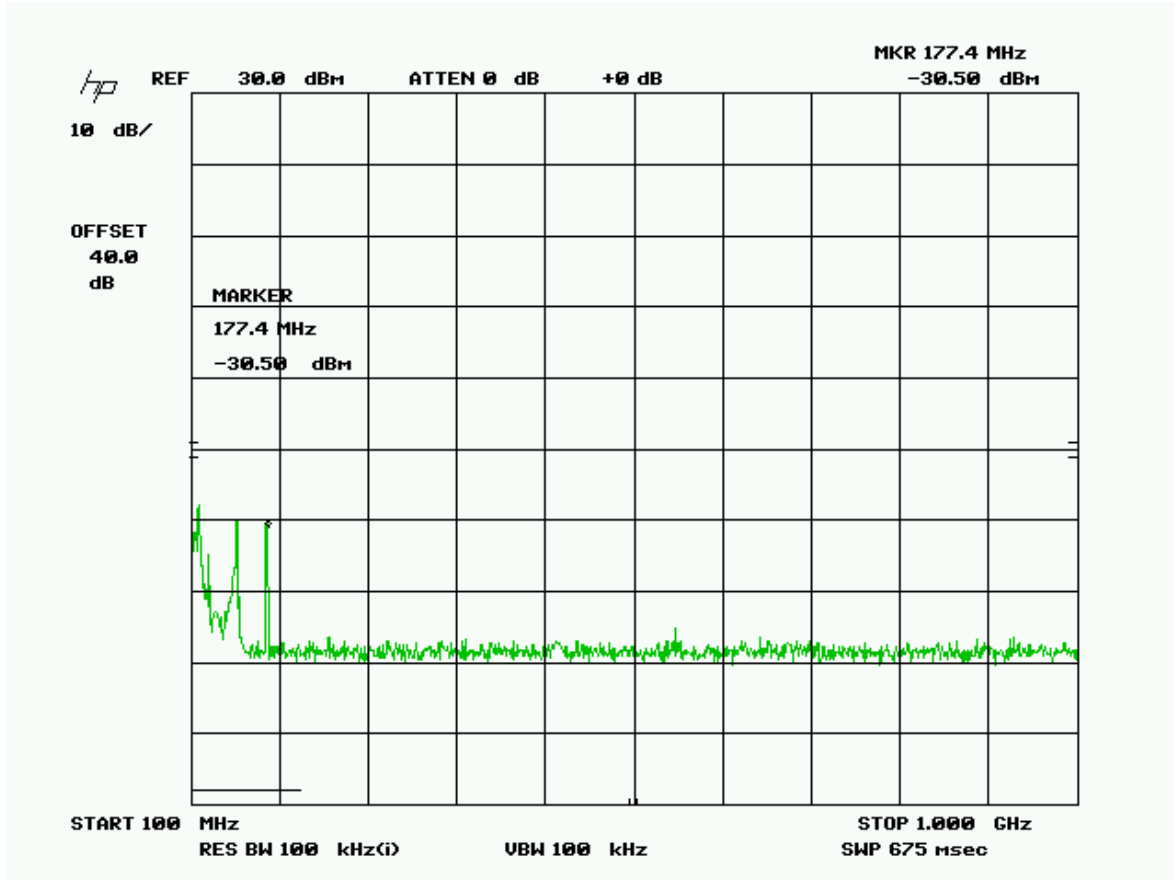


107.9 MHz

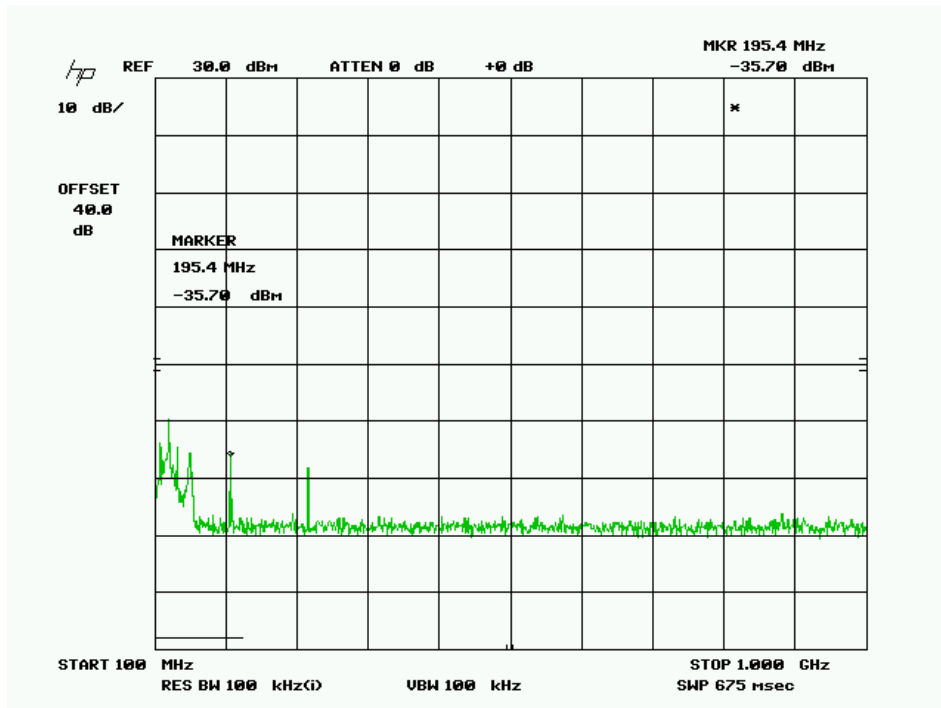
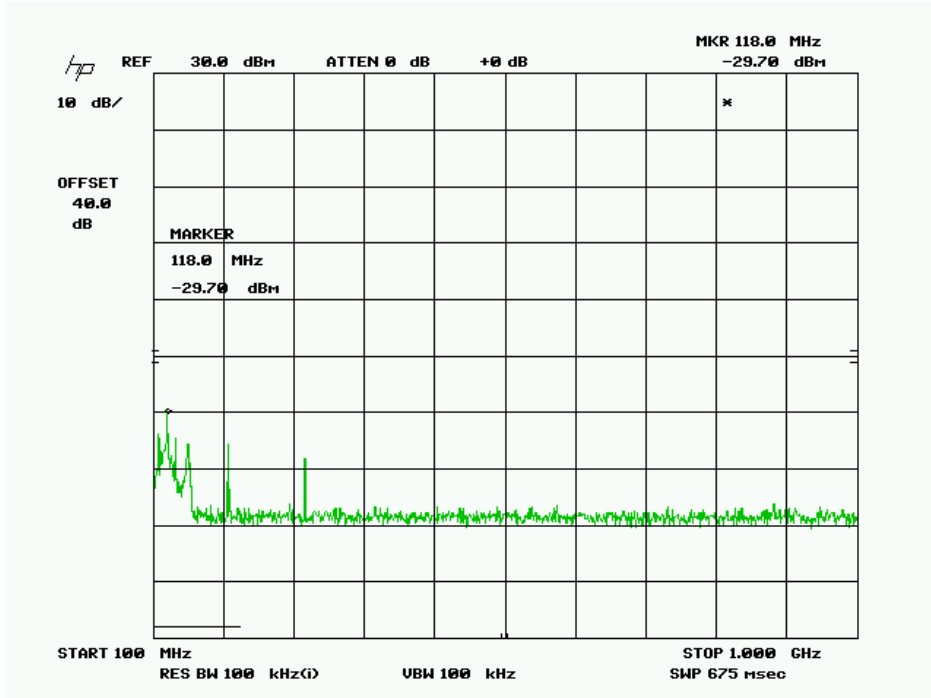


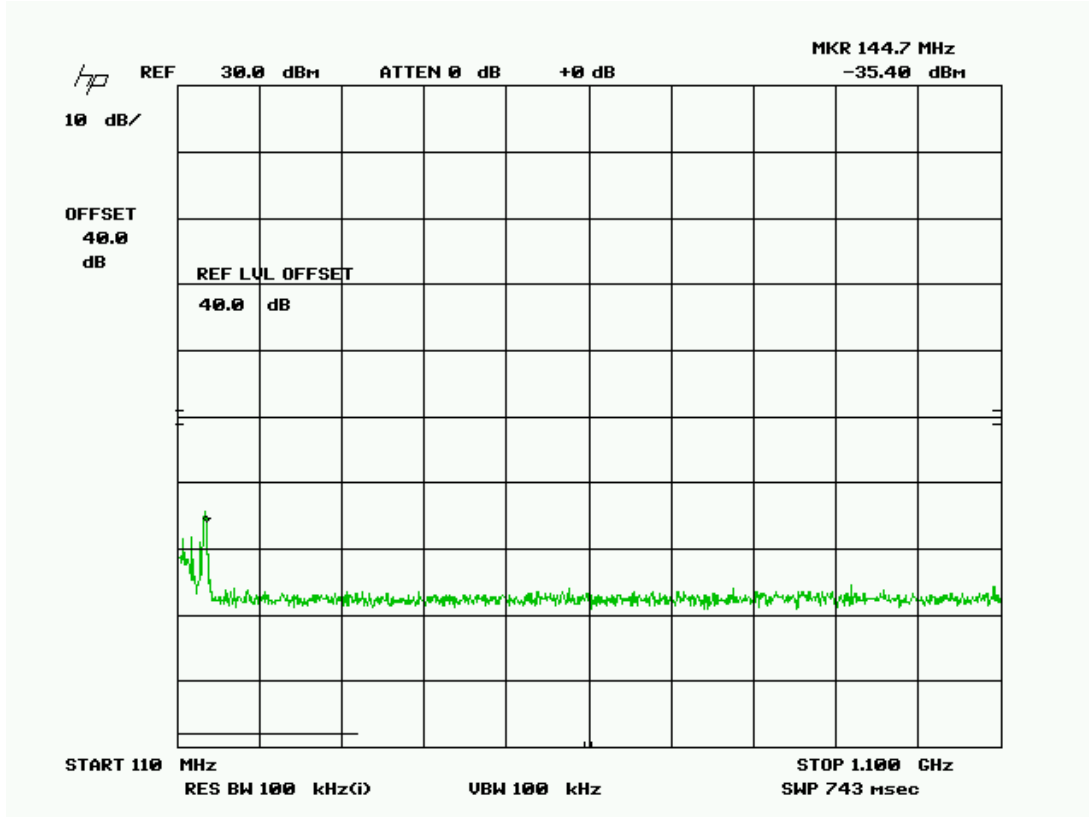
High Power 107.9 MHz

88.1 MHz Low Power



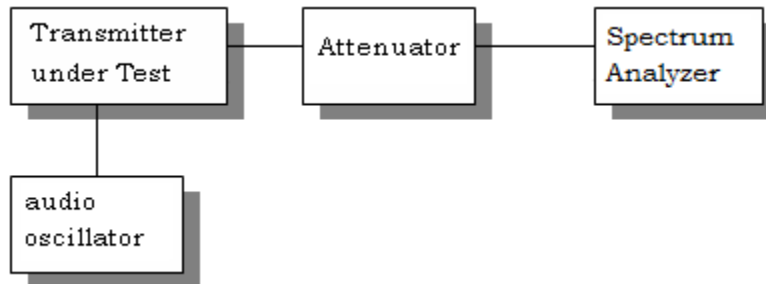
88.1 MHz Low Power





107.9 MHz Low Power

Method of Measuring Conducted Spurious Emissions



FIELD STRENGTH OF SPURIOUS EMISSIONS

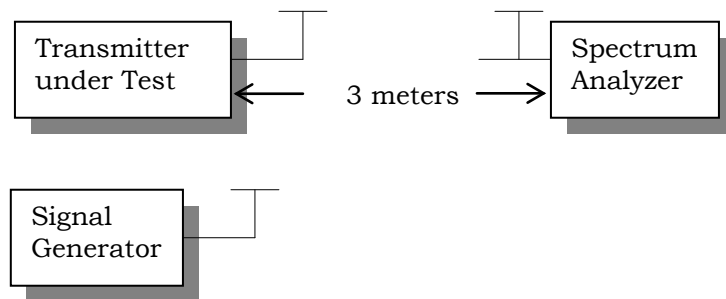
Rule Parts. No.: Part 2.1053

Requirements: Any emission appearing on a frequency removed from the carrier by more than 600 kHz must be attenuated at least $43 + 10\log(P)$ dB below the level of the unmodulated carrier, or 80 dB, whichever is the lesser attenuation.

$$43 + 10\log(500) = 70 \text{ dB}$$

$$43 + 10\log(10) = 53 \text{ dB}$$

Test Setup Diagram:



Test Data:

Limits:

$$43 + 10\log(500) = 70 \text{ dB}$$

Low power

$$43 + 10\log(10) = 53 \text{ dB}$$

88.1 MHz

High 500 W

Emission Frequency MHz	Ant. Polarity	dB Below Carrier (dBc)
88.10		
176.20	H	114.8
264.30	H	106.0
352.40	V	104.8
440.50	V	96.9
528.60	V	115*
616.70	V	115*
704.80	H	115*
792.90	H	115*
881.00	H	98.3

Low 10 W

Emission Frequency MHz	Ant. Polarity	dB Below Carrier (dBc)
88.10		
176.20	H	107.3
264.30	H	97.9
352.40	V	102.3
440.50	H	89.2
528.60	V	103.3*
616.70	V	103.1*
704.80	V	102.1*
792.90	V	98.3*
881.00	V	95.9*

*is noise floor

97.9 MHz

High 500 W

Emission Frequency MHz	Ant. Polarity	dB Below Carrier (dBc)
97.90		
195.80	H	109.1
293.70	H	84.9
391.60	H	97.2
489.50	H	108.5
587.40	H	119.4*
685.30	H	118.3*
783.20	H	116.1*
881.10	H	94.0
979.00	V	115.2*

Low 10 W

Emission Frequency MHz	Ant. Polarity	dB Below Carrier (dBc)
97.90		
195.80	H	101.3
293.70	H	90.9
391.60	H	122.5*
489.50	V	100.6
587.40	V	102.4*
685.30	V	101.3*
783.20	V	99.1*
881.10	V	95.8
979.00	V	98.2*

107.9 MHz High 500 W

Emission Frequency MHz	Ant. Polarity	dB Below Carrier (dBc)
107.90		
215.80	H	121.6 *
323.70	H	90.4
431.60	H	96.1
539.50	H	93.5
647.40	H	109.7
755.30	H	104.5
863.20	H	114.1 *
971.10	V	100.5
1079.00	V	91.3

Low 10 W

Emission Frequency MHz	Ant. Polarity	dB Below Carrier (dBc)
107.90		
215.80	H	95.9
323.70	H	94.8
431.60	H	104.5 *
539.50	V	100.2
647.40	V	103.3 *
755.30	V	98.1 *
863.20	H	91.0
971.10	V	112.4 *
1079.00	H	83.4

*is noise floor

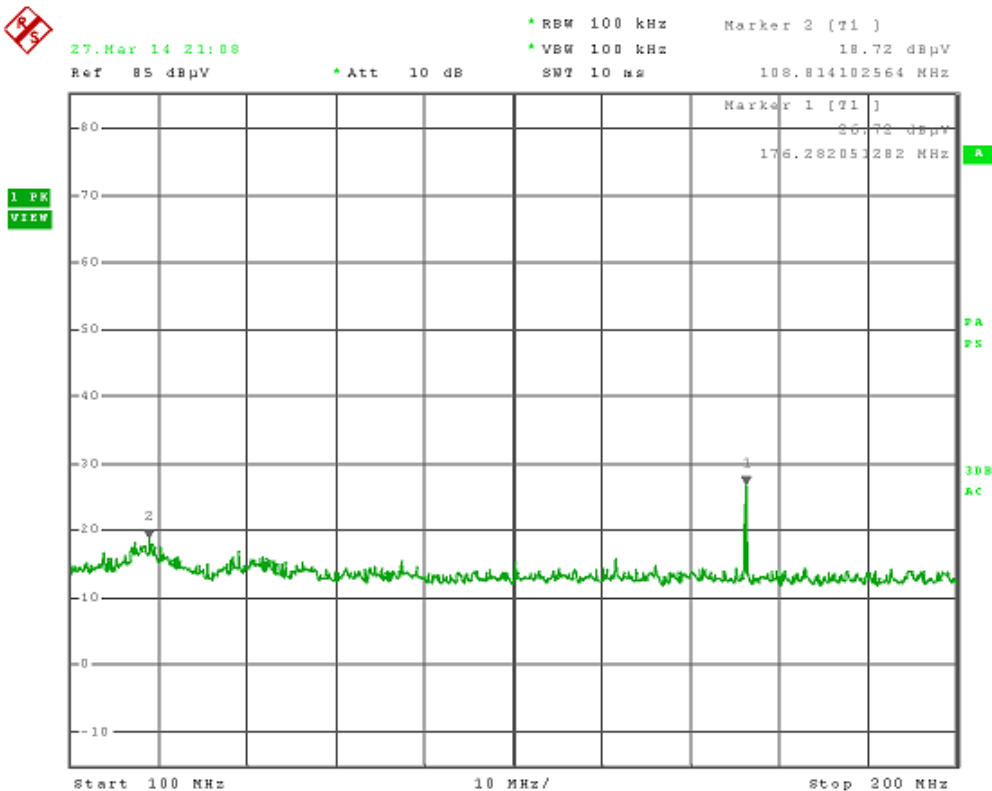
88.1 MHz High Power



RADIATED SPURIOUS EMISSIONS

27.Mar 14 21:08

Antenna Polarity Horizontal
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



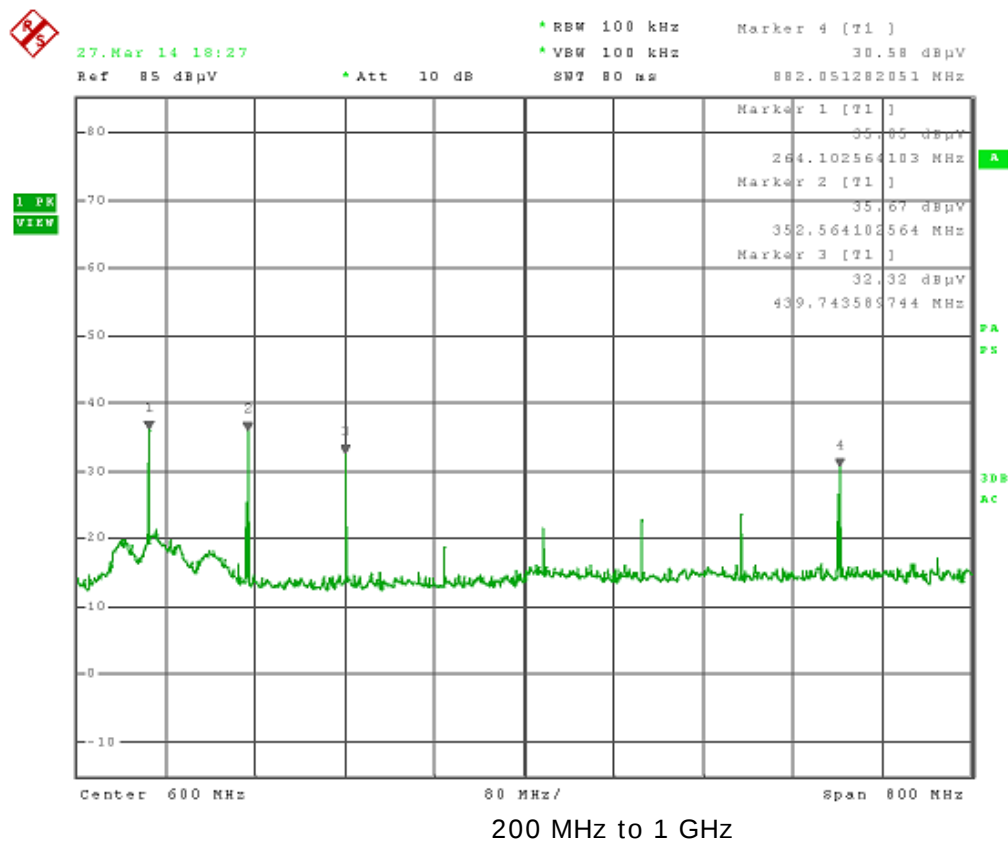
Below 200 MHz



RADIATED SPURIOUS EMISSIONS

27.Mar 14 18:27

Antenna Polarity	Horizontal
Detectors Used	Peak
EUT Mode	Transmit
Job #	365AUT14
Operator	Mario de Aranzeta
EUT Description	FM transmitter





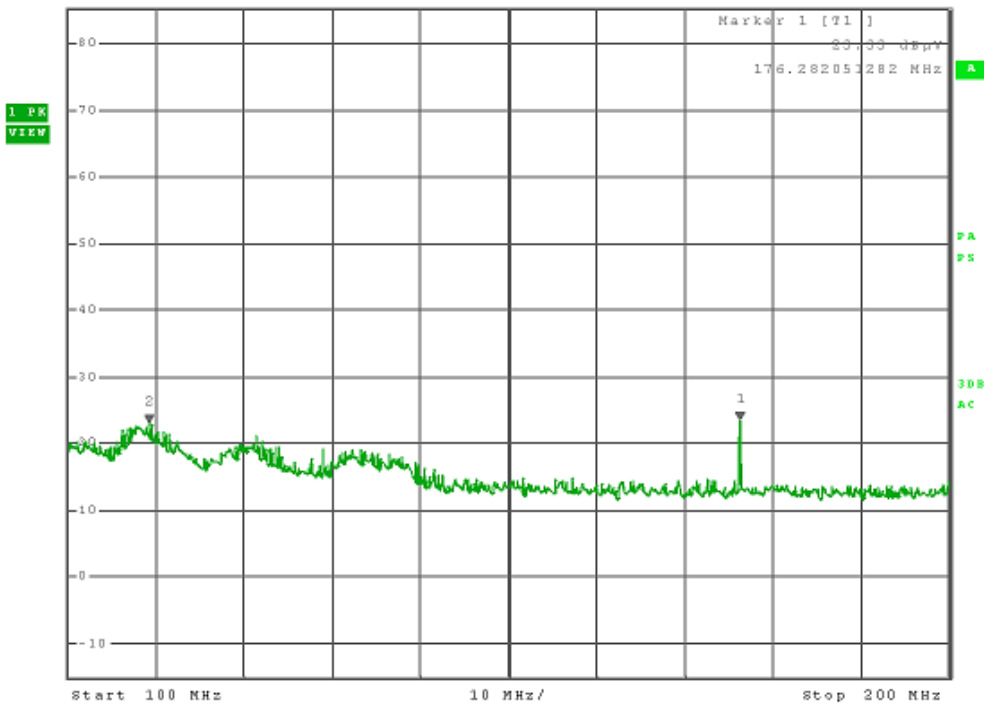
RADIATED SPURIOUS EMISSIONS

27.Mar 14 20:57

Antenna Polarity Vertical
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



27.Mar 14 20:57
Ref 85 dBµV
Att 10 dB
RBW 100 kHz
VBW 100 kHz
SWT 10 Hz
Marker 2 (T1)
22.85 dBµV
109.134615385 MHz



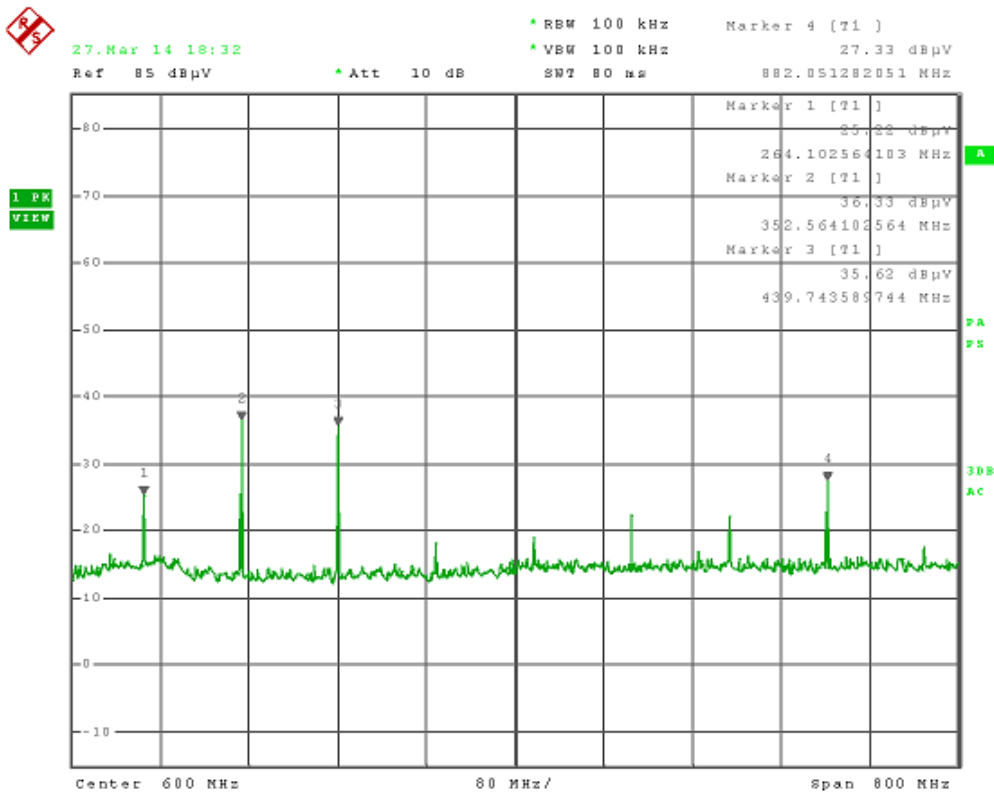
Below 200 MHz



RADIATED SPURIOUS EMISSIONS

27.Mar 14 18:32

Antenna Polarity Vertical
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



200 MHz to 1 GHz

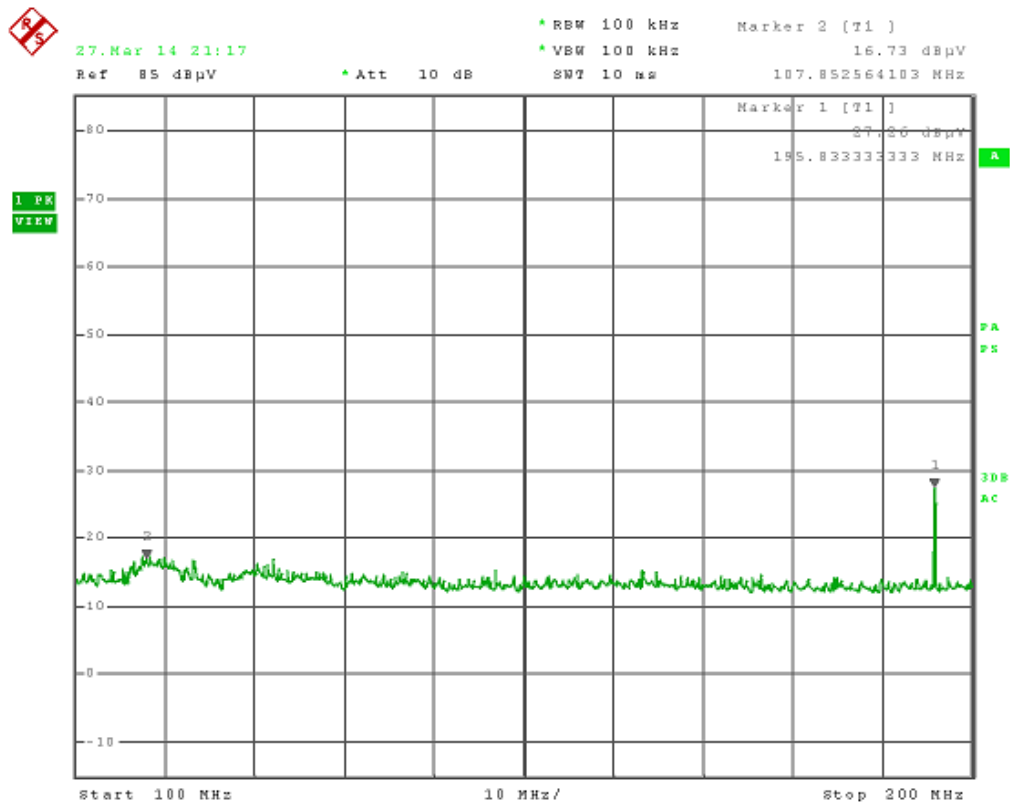
97.9 High Power



RADIATED SPURIOUS EMISSIONS

27.Mar 14 21:17

Antenna Polarity Horizontal
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



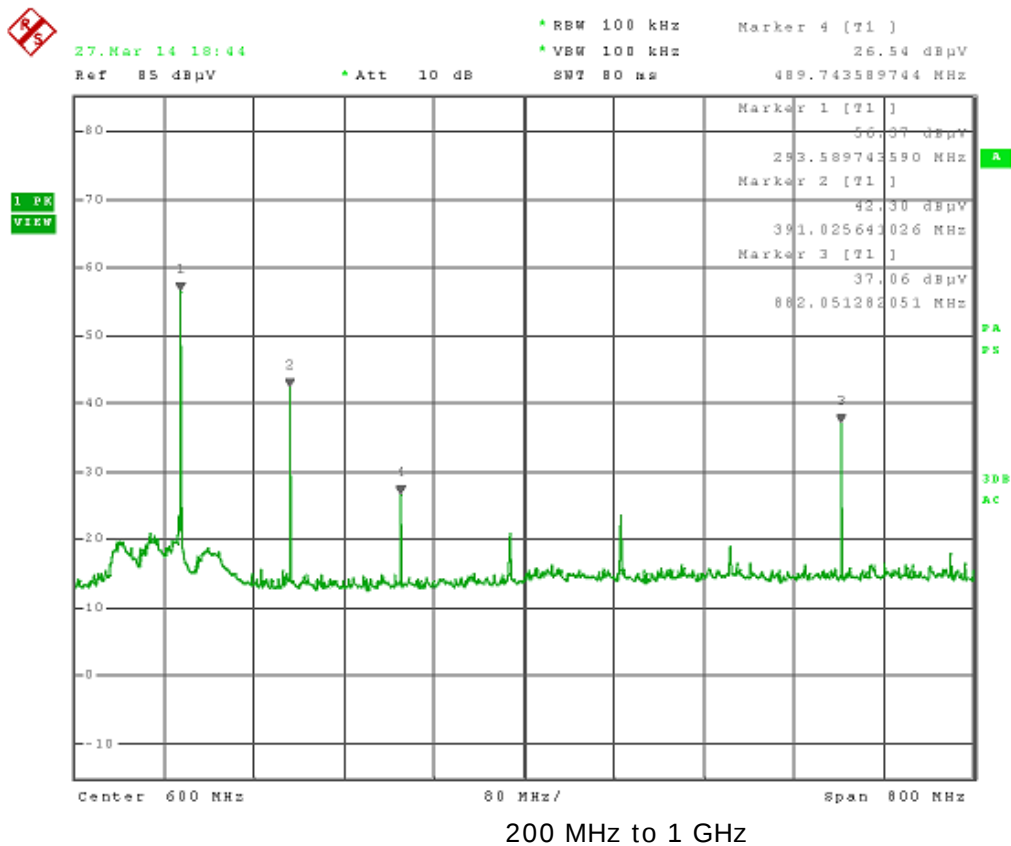
Below 200 MHz



RADIATED SPURIOUS EMISSIONS

27.Mar 14 18:44

Antenna Polarity Horizontal
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



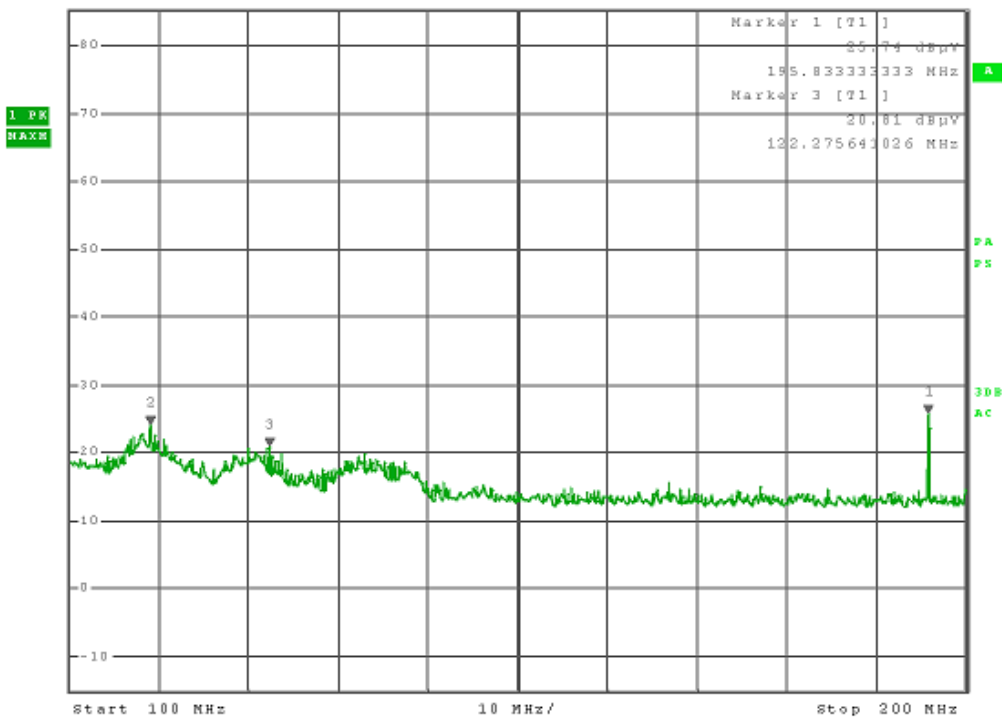
RADIATED SPURIOUS EMISSIONS

27.Mar 14 21:19

Antenna Polarity Vertical
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



27.Mar 14 21:19
Ref 85 dBμV * Att 10 dB RBW 100 kHz Marker 2 [T1] 23.93 dBμV
VBW 100 kHz SWT 10 Hz 108.974358974 MHz



Below 200 MHz



RADIATED SPURIOUS EMISSIONS

27.Mar 14 18:46

Antenna Polarity Vertical
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



27.Mar 14 18:46

Ref 85 dBuV

Att 10 dB

* RBW 100 kHz

Marker 4 [T1]

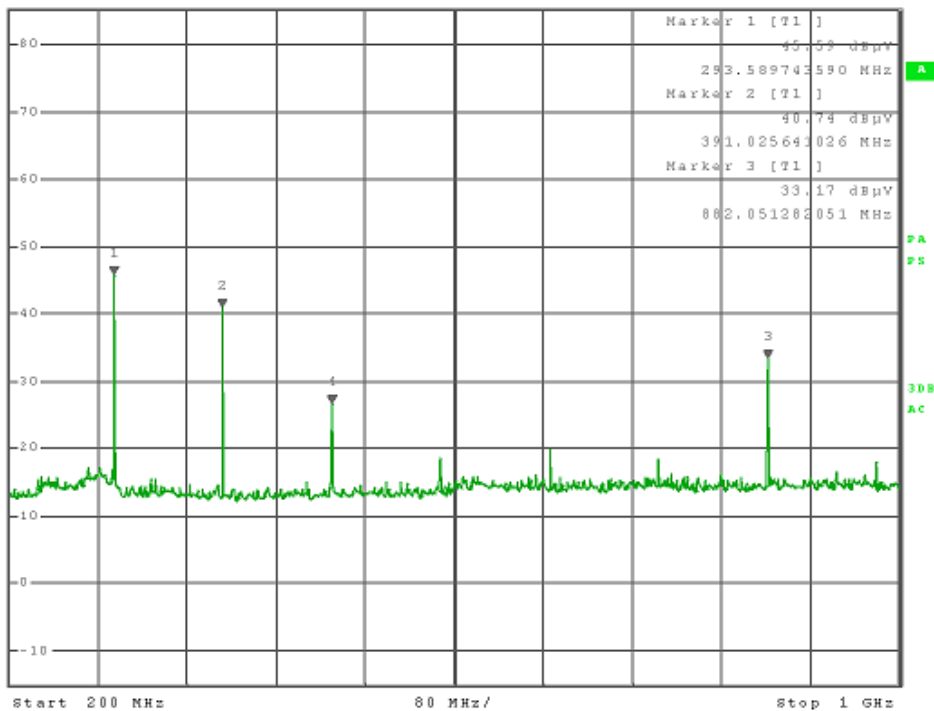
* VBW 100 kHz

26.40 dBuV

SWT 80 ns

489.743589744 MHz

1 PK
VIEW



200 MHz to 1 GHz

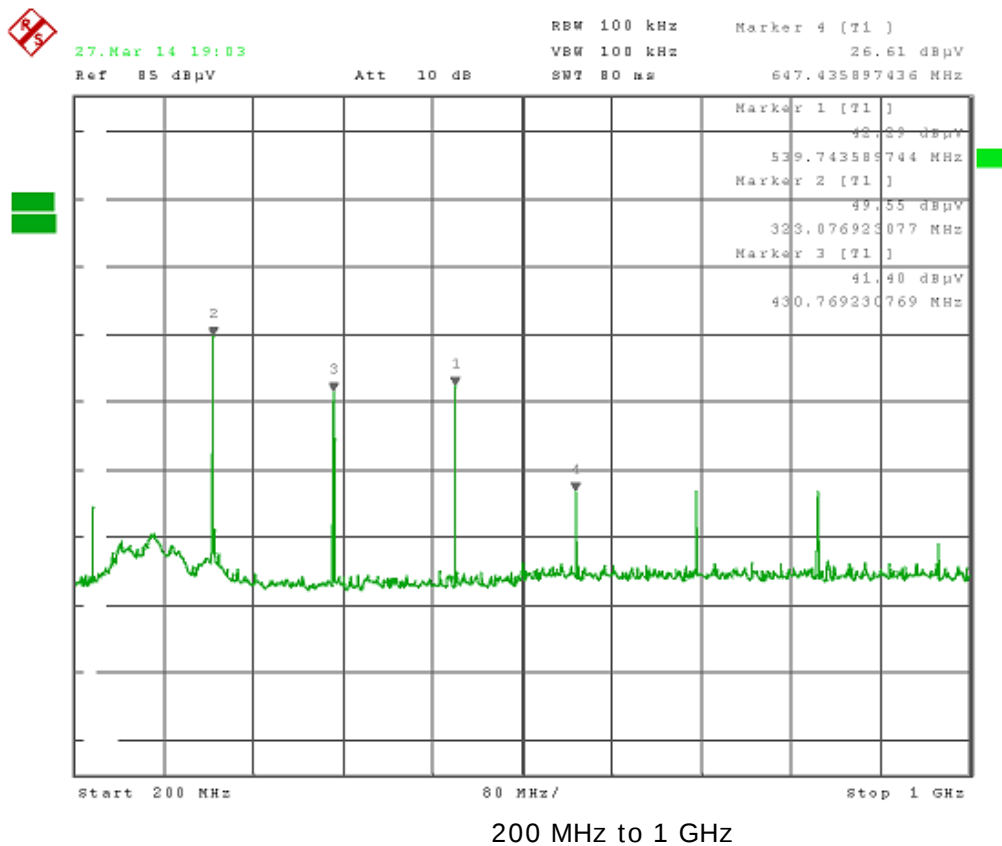
107.9 High Power



RADIATED SPURIOUS EMISSIONS

27.Mar 14 19:03

Antenna Polarity Horizontal
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



Applicant: DB ELETTRONICA TELECOMUNICAZIONI SPA

FCC ID: 2ACBVMOZART500

Report: D:\DB ELETTRONICA\365AUT14\365AUT14TestReport.docx

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RADIATED SPURIOUS EMISSIONS

27.Mar 14 19:27

Antenna Polarity Horizontal
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



27.Mar 14 19:27

* RBW 1 MHz

Marker 1 [T1]

* VBW 1 MHz

32.69 dBμV

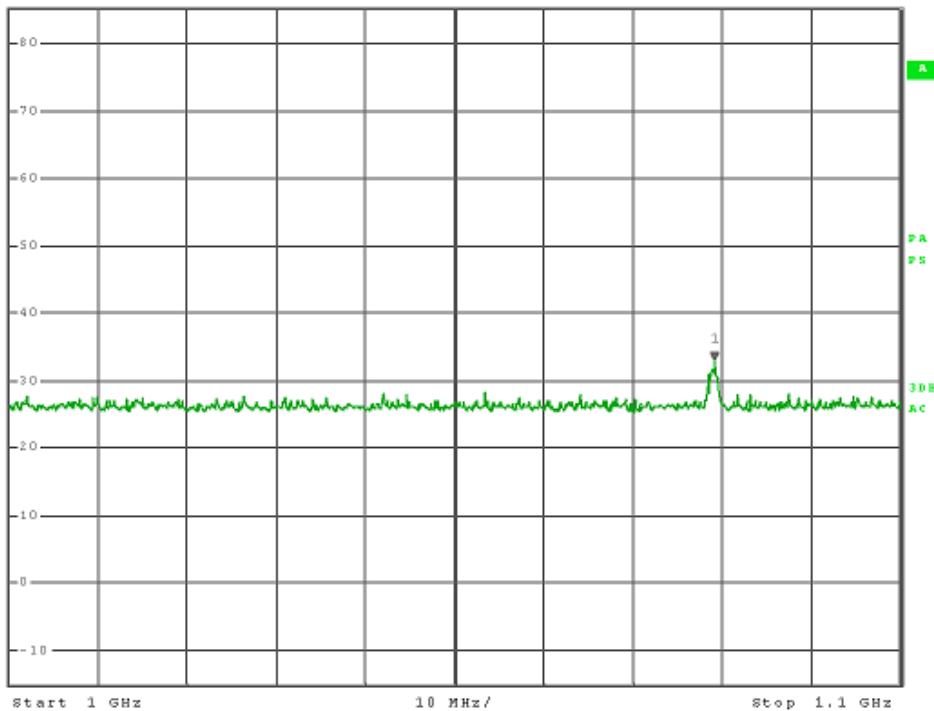
Ref 85 dBμV

* Att 10 dB

SWT 2.5 MHz

1.079166667 GHz

1 PR
VIEW



Above 1 GHz (10th Harmonic)

Applicant: DB ELETTRONICA TELECOMUNICAZIONI SPA

FCC ID: 2ACBVMOZART500

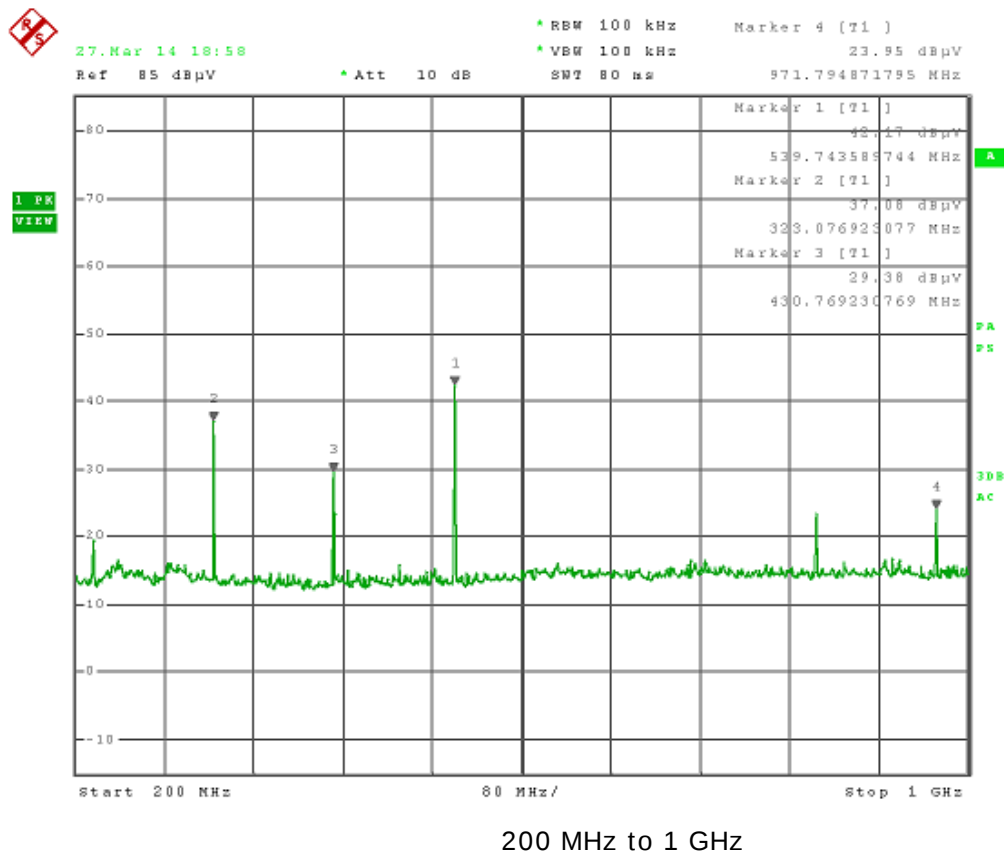
Report: D\DB ELETTRONICA\365AUT14\365AUT14TestReport.docx

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RADIATED SPURIOUS EMISSIONS

27.Mar 14 18:58

Antenna Polarity Vertical
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter

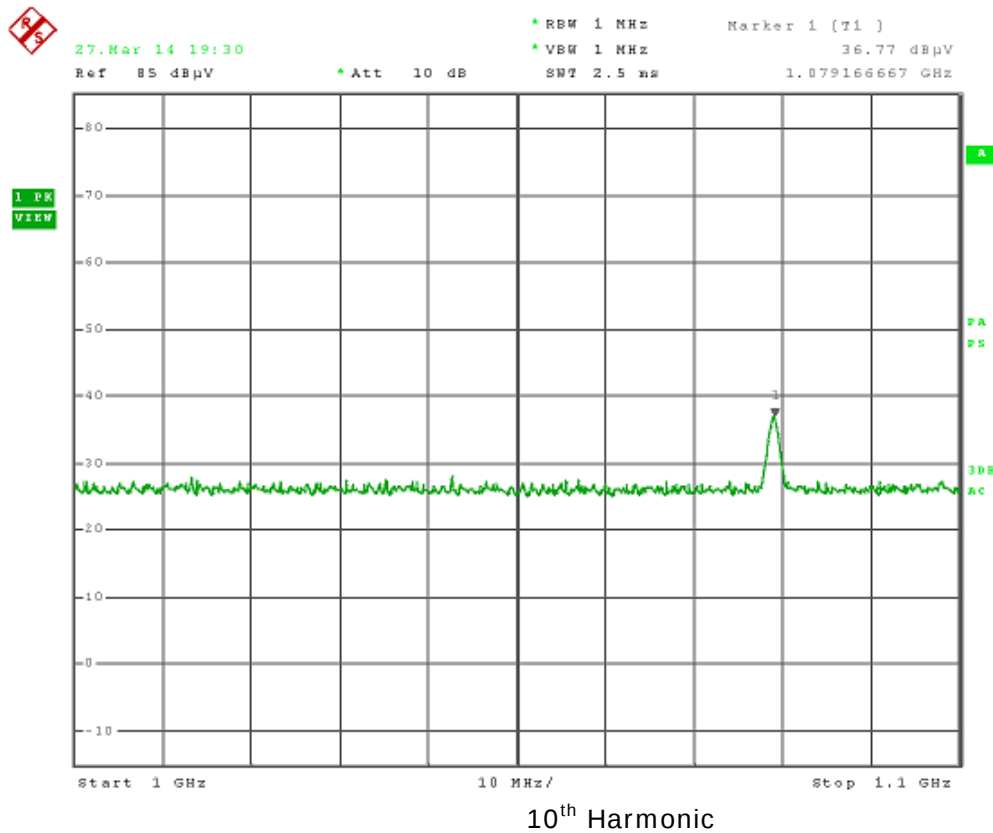




RADIATED SPURIOUS EMISSIONS

27.Mar 14 19:30

Antenna Polarity Vertical
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



88.1 MHz Low Power



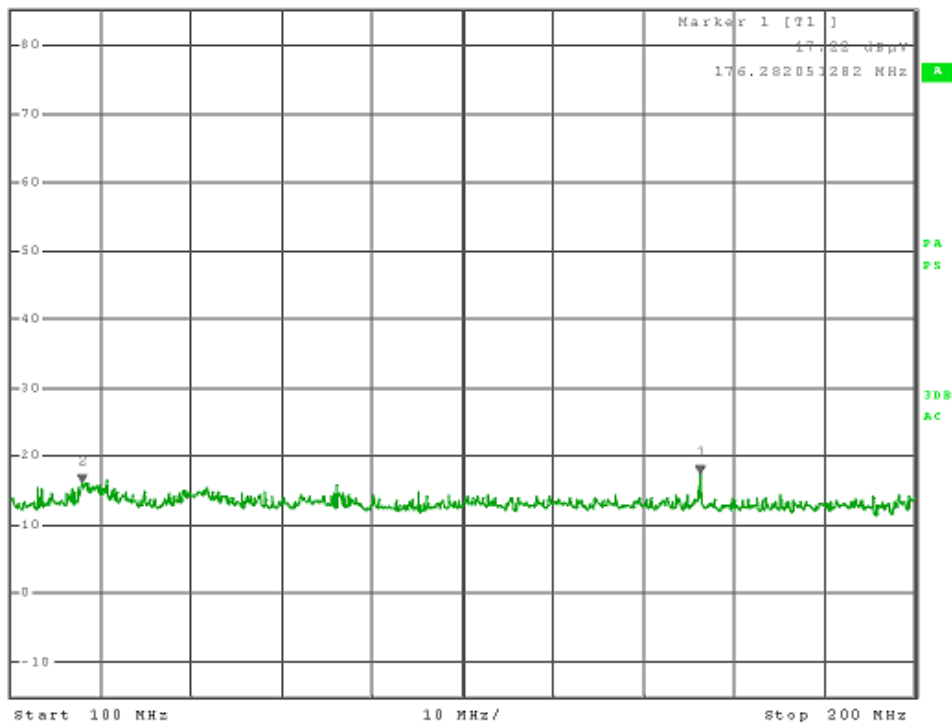
RADIATED SPURIOUS EMISSIONS

27.Mar 14 21:10

Antenna Polarity Horizontal
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



27.Mar 14 21:10
Ref 85 dBμV
Att 10 dB
RBW 100 kHz
VBW 100 kHz
SWT 10 Hz
Marker 2 [T1]
15.93 dBμV
107.852564183 MHz



Applicant: DB ELETTRONICA TELECOMUNICAZIONI SPA

FCC ID: 2ACBVMOZART500

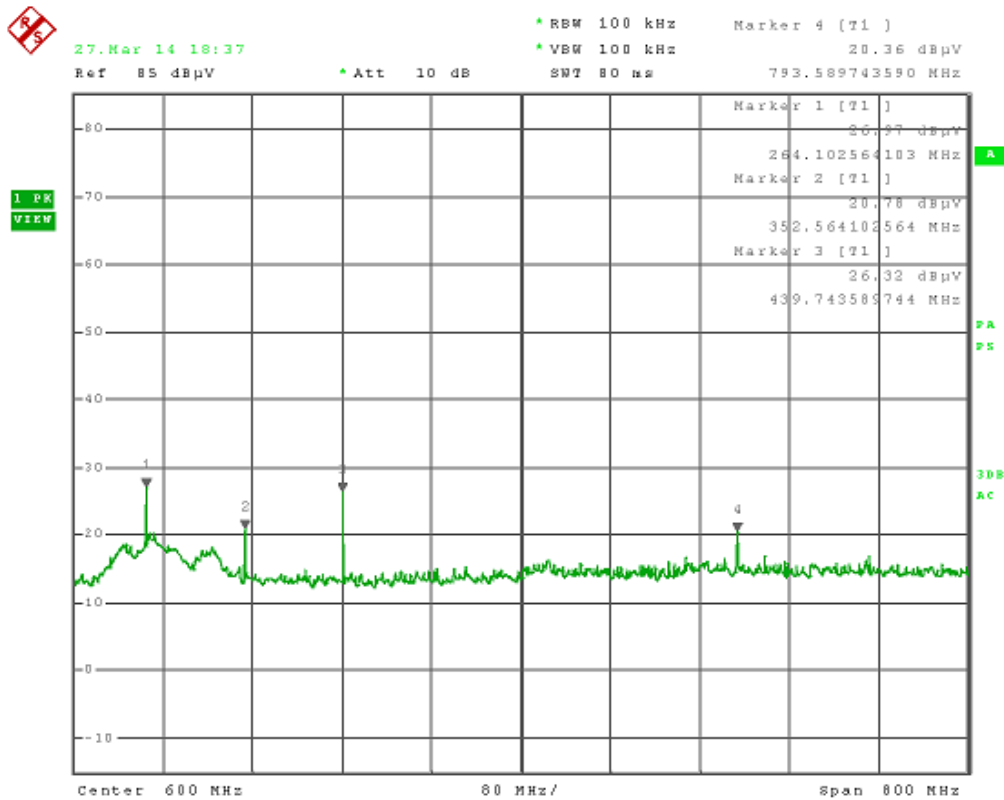
Report: D:\DB ELETTRONICA\365AUT14\365AUT14TestReport.docx

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RADIATED SPURIOUS EMISSIONS

27.Mar 14 18:37

Antenna Polarity Horizontal
Detectors Used Peak
EUT Mode Transmit
Job # 364AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter





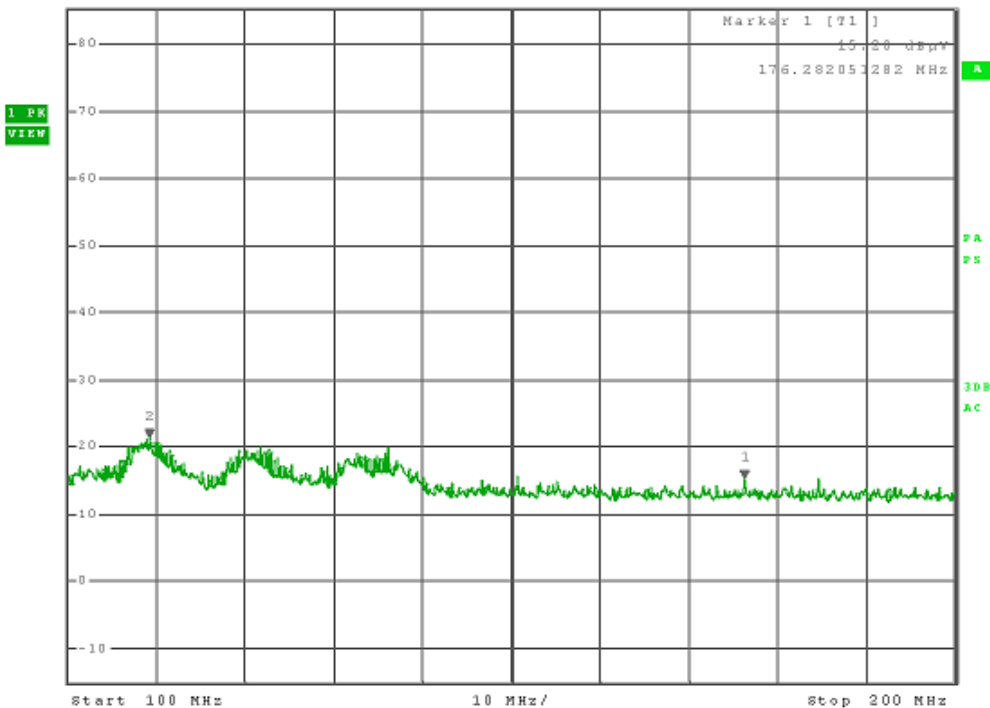
RADIATED SPURIOUS EMISSIONS

27.Mar 14 20:55

Antenna Polarity Vertical
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



27.Mar 14 20:55
Ref 85 dBµV
Att 10 dB
RBW 100 kHz
VBW 100 kHz
SWT 10 Hz
Marker 2 [71]
21.15 dBµV
109.134615385 MHz



Start 100 MHz 10 MHz/ Stop 200 MHz

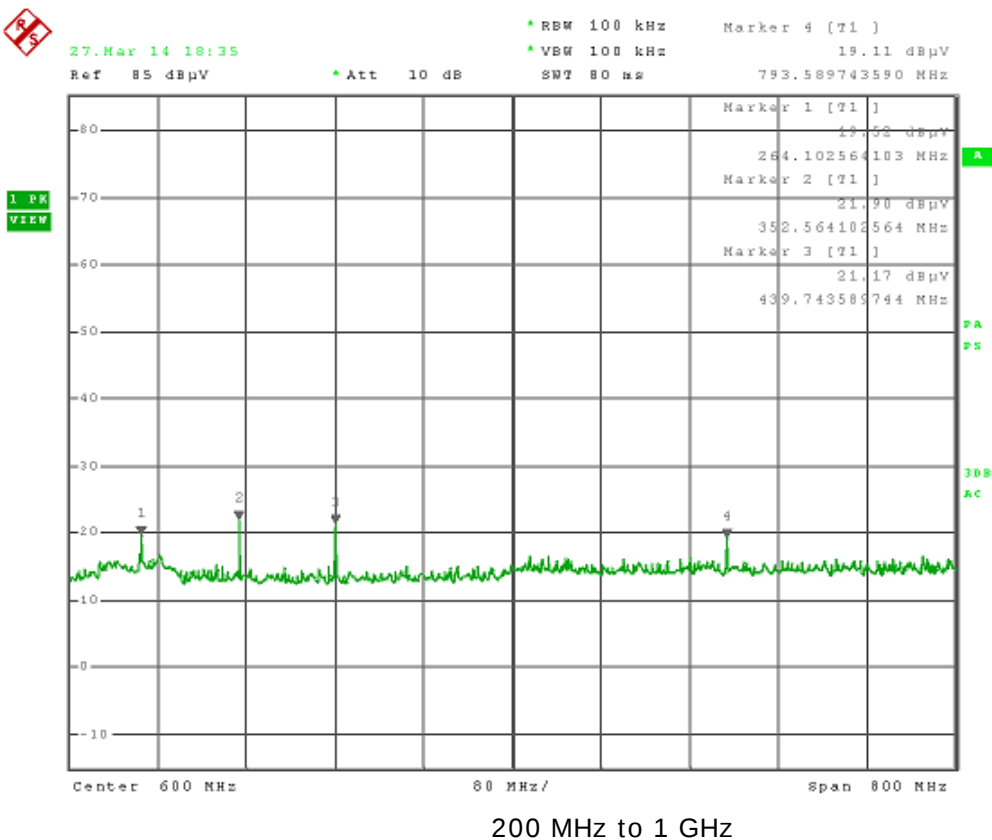
Below 200 MHz



RADIATED SPURIOUS EMISSIONS

27.Mar 14 18:35

Antenna Polarity Vertical
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



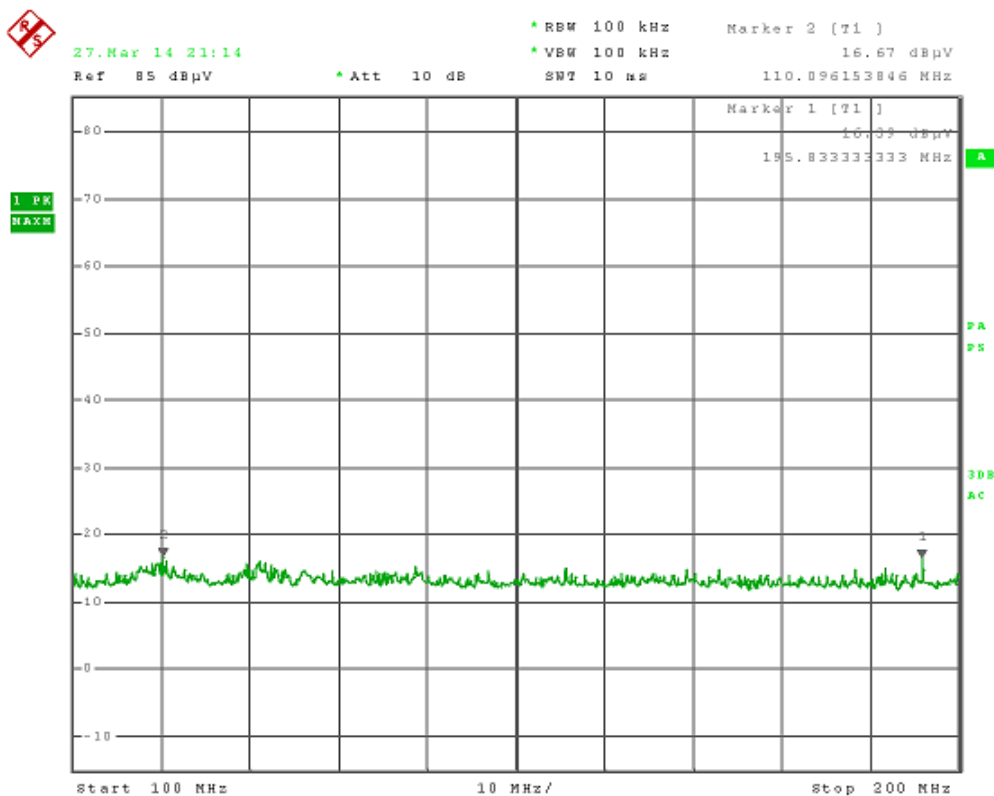
97.9 MHz Low Power



RADIATED SPURIOUS EMISSIONS

27.Mar 14 21:14

Antenna Polarity Horizontal
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



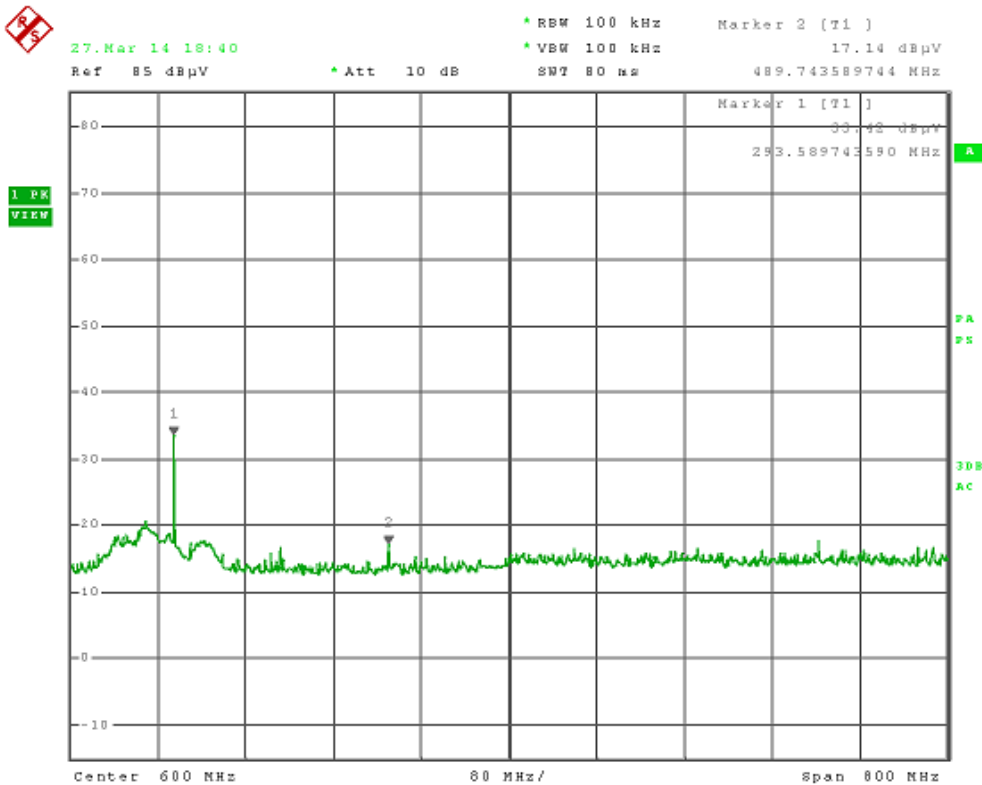
Below 200 MHz



RADIATED SPURIOUS EMISSIONS

27.Mar 14 18:40

Antenna Polarity Horizontal
Detectors Used Peak
EUT Mode Transmit
Job # 364AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



200 MHz to 1 GHz



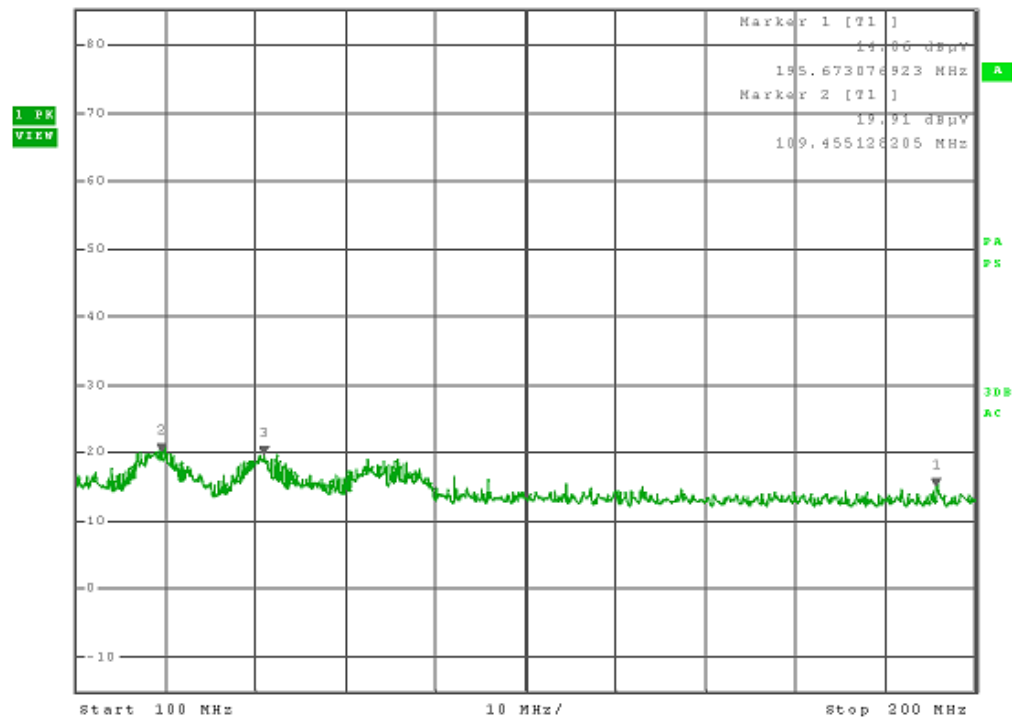
RADIATED SPURIOUS EMISSIONS

27.Mar 14 21:22

Antenna Polarity Vertical
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



27.Mar 14 21:22
Ref 85 dBμV
Att 10 dB
RBW 100 kHz
VBW 100 kHz
SWT 10 Hz
Marker 3 [71]
19.64 dBμV
120.833333333 MHz



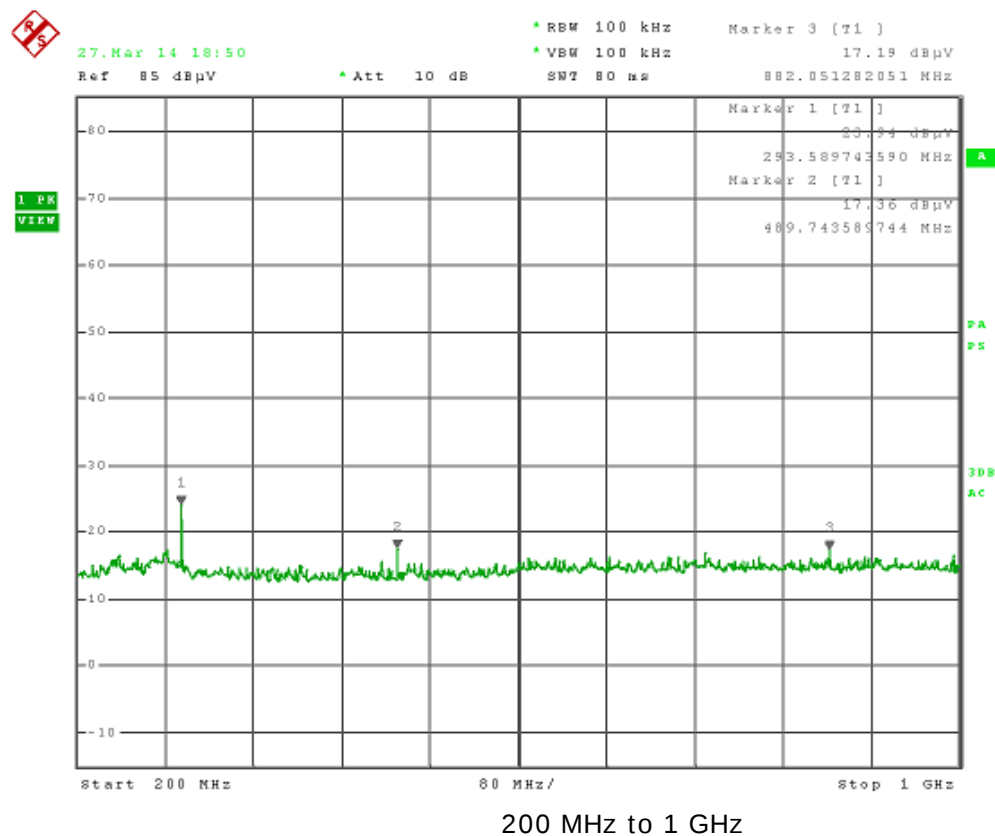
Below 200 MHz



RADIATED SPURIOUS EMISSIONS

27.Mar 14 18:50

Antenna Polarity Vertical
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



107.9 MHz Low Power



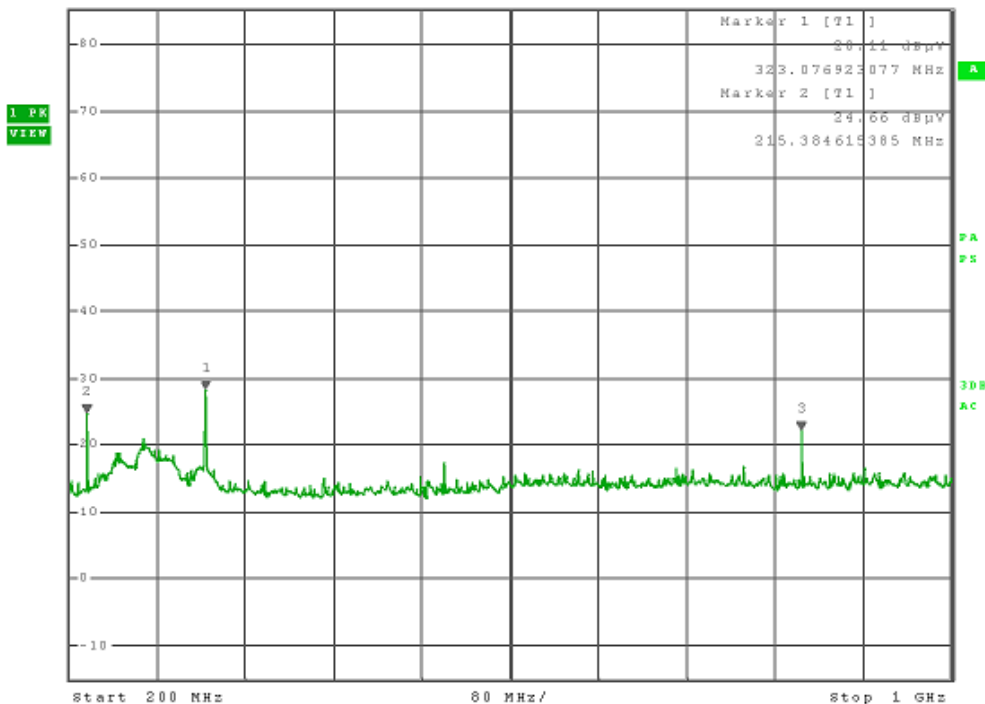
RADIATED SPURIOUS EMISSIONS

27.Mar 14 19:17

Antenna Polarity Horizontal
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



27.Mar 14 19:17
Ref 85 dBµV
Att 10 dB
RBW 100 kHz
VBW 100 kHz
SWT 80 Hz
Marker 3 [T1]
22.13 dBµV
864.102564103 MHz



200 MHz to 1 GHz

Applicant: DB ELETTRONICA TELECOMUNICAZIONI SPA

FCC ID: 2ACBVMOZART500

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RADIATED SPURIOUS EMISSIONS

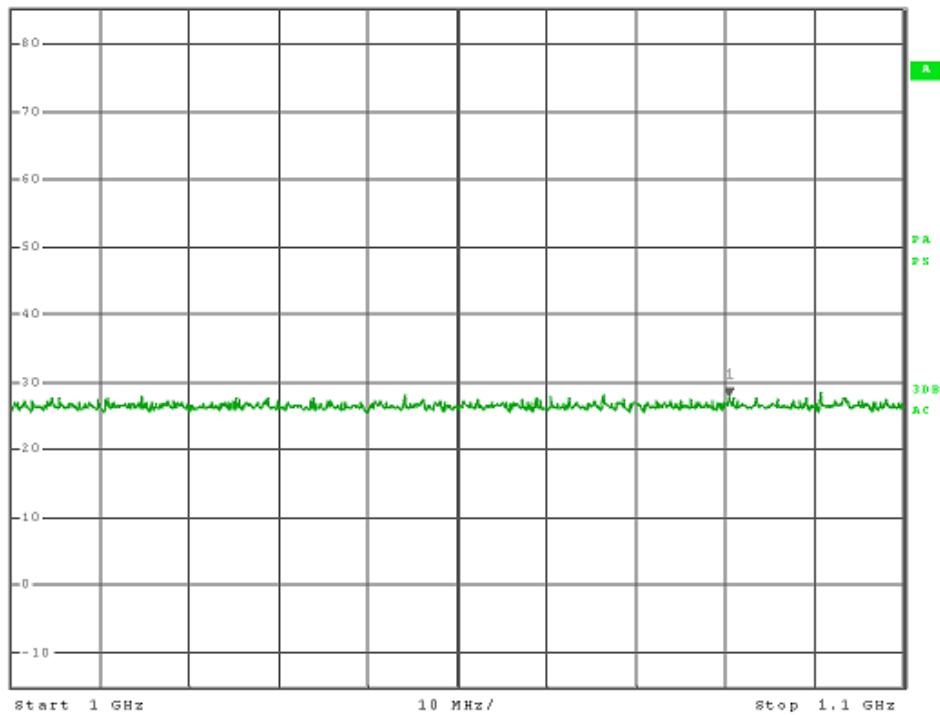
27.Mar 14 19:25

Antenna Polarity Horizontal
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



27.Mar 14 19:24
Ref 85 dBμV
Att 10 dB
RBW 1 MHz
VBW 1 MHz
SWT 2.5 ns
Marker 1 (71)
27.71 dBμV
1.080448718 GHz

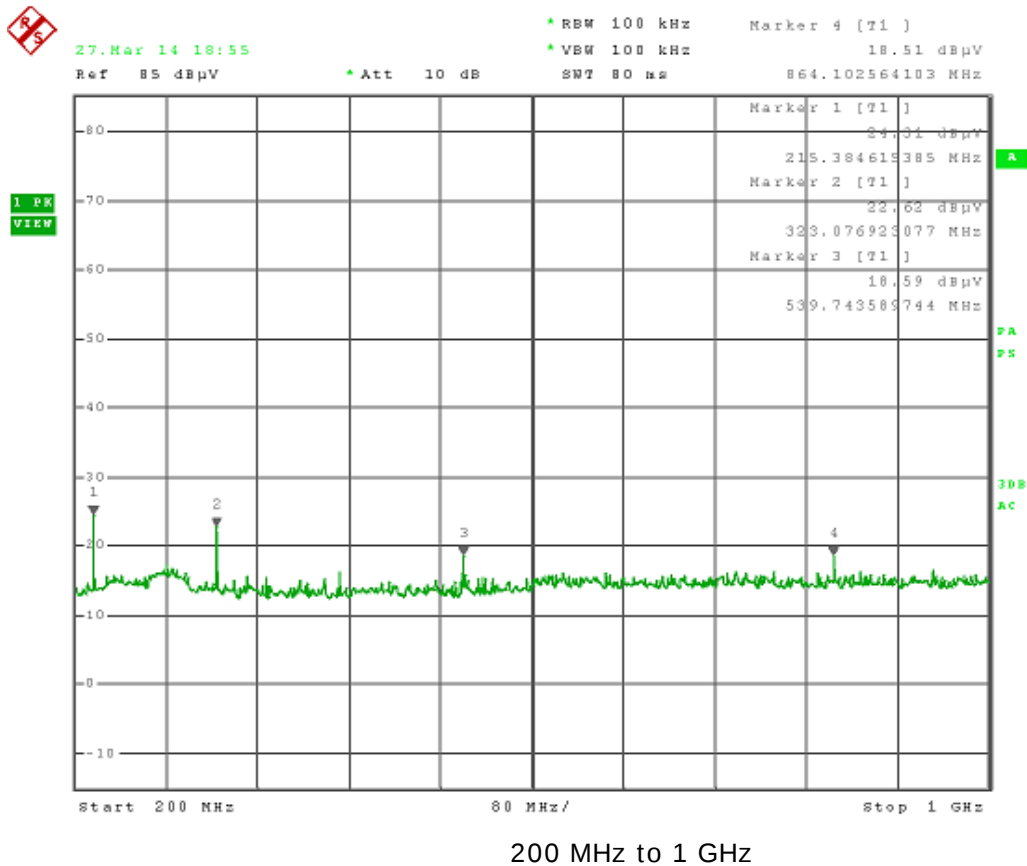
1 PK
VIEW



RADIATED SPURIOUS EMISSIONS

27.Mar 14 18:55

Antenna Polarity Vertical
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter

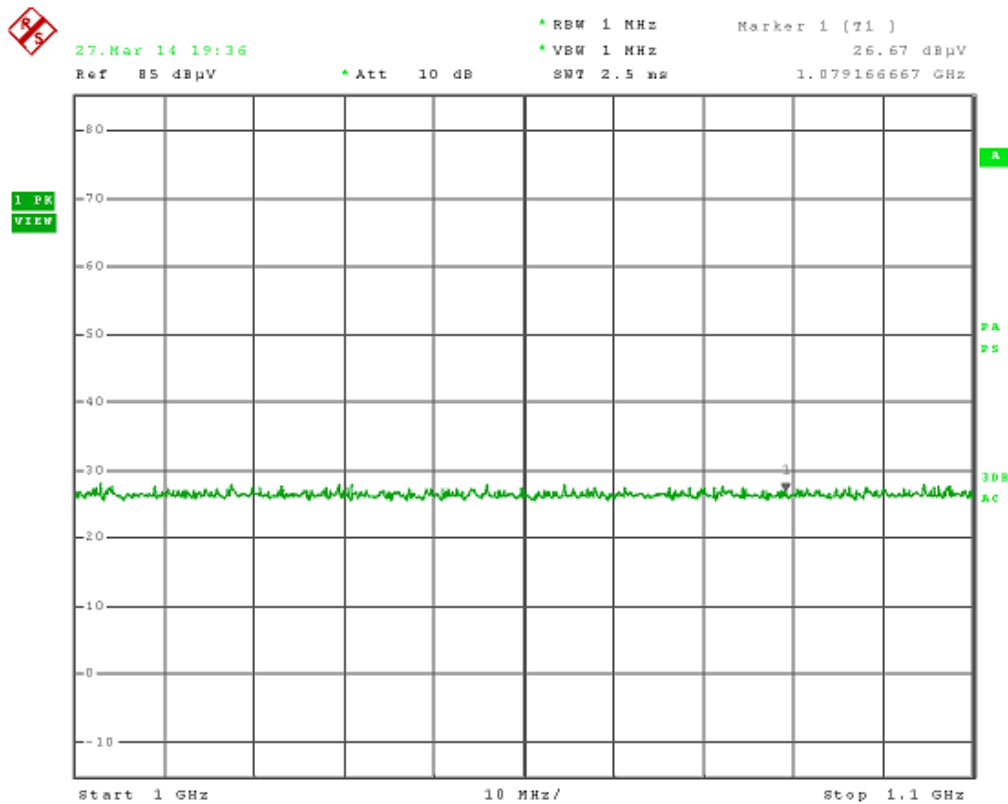




RADIATED SPURIOUS EMISSIONS

27.Mar 14 19:36

Antenna Polarity Vertical
Detectors Used Peak
EUT Mode Transmit
Job # 365AUT14
Operator Mario de Aranzeta
EUT Description FM transmitter



FREQUENCY STABILITY

Rule Parts. No.: Part 2.1055, Part 73.1545

Requirements: Temperature and voltage tests were performed to verify that the frequency

remains within the 2000Hz, specification limit.

The test was conducted as follows: The transmitter was placed in the temperature chamber at 25° C and allowed to stabilize for one hour. The temperature was then reduced to -30° C after which the transmitter was

again

allowed to stabilize for one hour. The transmitter was ON continuously because

that is how it is used and frequency readings were noted at 15-second intervals.

The worst-case number was recorded for temperature plotting. This procedure

was repeated in 10 degree increments up to + 50° C.

Method of Measurements: ANSI/TIA 603-D: 2010.

Test Data:

Assigned Frequency (Ref. Frequency) (MHz)		98.500230
Temperature (°C)	Frequency (MHz)	Frequency Stability (PPM)
-30	98.500144	-0.87
-20	98.500190	-0.41
-10	98.500200	-0.30
0	98.500230	0.00
+10	98.500238	0.08
+20	98.500233	0.03
+30	98.500226	-0.04
+40	98.500226	-0.04
+50	98.500226	-0.04

Assigned Frequency (Ref. Frequency) (MHz)		
AC mains %	Frequency (MHz)	Frequency Stability (PPM)
-15%	98.500230	0.0
0	98.500230	0.0
+15%	98.500230	0.0

EQUIPMENT LIST

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date
3-Meter Semi-Anechoic Chamber	Panashield	N/A	N/A	12/31/13	12/31/15
Antenna: Active Loop	ETS-Lindgren	6502	00062529	10/09/13	10/09/15
Antenna: Biconnical	Eaton	94455-1	1057	06/14/13	06/14/15
Antenna: Biconnical	Eaton	94455-1	1096	05/10/13	05/10/15
Antenna: Biconnical	Electro-Metrics	BIA-25	1171	06/13/12	06/13/14
Antenna: Double-Ridged Horn/ETS Horn 2	ETS-Lindgren	3117	00041534	10/05/12	10/05/14
Antenna: Log-Periodic	Eaton	96005	1243	05/31/13	05/31/15
Antenna: Log-Periodic	Electro-Metrics	LPA-25	1122	05/09/13	05/09/15
Audio Generator	B&K Precision	3010	8739686	09/11/12	09/11/14
Broadband Preamplifier	A.H. Systems Inc.	PAM-0126	128	05/17/13	05/17/15
Coaxial Cable - Chamber 3 cable set	Semiflex	Unknown	Chamber 3 cable set	01/26/14	01/26/16
Coaxial Cable #174	Semiflex	Unknown	30288-0332	06/25/13	06/25/15
Coaxial Cable #175	Semiflex	Unknown	102280-0333	06/24/13	06/24/15
Digital Multimeter	Fluke	FLUKE-77-3	79510405	06/20/13	06/20/15
Frequency Counter	HP	5385A	2730A03025	08/22/13	08/22/15
Frequency Counter	HP	5385A	3242A07460	06/16/13	06/16/15
Function Generator	SRS	DS340	25200	08/29/13	08/29/15
Function Generator	SRS	DS345/12	38435	06/19/13	06/19/15
High Pass Filter	Microlab	HA-10N		05/17/13	05/17/15
High Pass	Microlab	HA-20N		05/17/13	05/17/15

Applicant: DB ELETTRONICA TELECOMUNICAZIONI SPA

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Filter					
High Power Attenuator	Bird	8329-300	4980	02/26/13	02/26/15
Hygro-Thermometer	Extech	445703	0602	06/20/13	06/20/15
Measuring Tape-7.5M	Kraftixx	7.5M PROF		05/20/13	05/20/15
Modulation Analyzer	HP	8901A	3050A05856	09/26/12	09/26/14
Oscilloscope	LeCroy	LT364	00414	08/22/13	08/22/15
Power Meter and Sensor	Bird	4421-107 & 4022	0166 & 0218	12/18/13	12/18/15
RF Power Meter	Boonton	4531		01/19/13	01/19/15
Sensor	Boonton	51072A	34647	01/19/13	01/19/15
Signal Generator	HP	8648C	3847A04696	09/18/13	09/18/15
Temperature Chamber	Tenney Engineering	TTRC	11717-7	07/03/12	07/03/14
Waverunner Digital Scope	Lecroy	LT364L	00543	06/22/13	06/22/15
EMI Test Receiver	Rhode & Schwarz	ESU 40	100320	03/21/13	03/21/15
Software: Field Strength Program	Timco	N/A	Version 4.0	NA	NA
Hygro-Thermometer	Extech	445703	0602	06/20/13	06/20/15
Analyzer Silver Tower Quasi-Peak Adapter	HP	85650A	2811A01175	06/05/13	06/05/15
Analyzer Silver Tower RF Preselector	HP	85685A	2926A00983	06/05/13	06/05/15
Analyzer Silver Tower Spectrum Analyzer	HP	8566B Opt 462	3552A22064 3638A08608	06/05/13	06/05/15

Manufacturer	Model	Receiver Firmware	BIOS Ver
Rohde & Schwarz	ESU40	4.43 SP3	V5.1-24-3
Rohde & Schwarz	ESIB40	4.34.3	3.3