



## C2PC Test Report

<b>APPLICANT</b>	RADIO ACTIVITY S.R.L
<b>ADDRESS</b>	VIA PRIVATA CASCIA, 11 MILANO 20128 ITALY
<b>FCC ID</b>	Y9M-KA450
<b>MODEL NUMBER</b>	KA-450
<b>PRODUCT DESCRIPTION</b>	UHF BASE STATION
<b>DATE SAMPLE RECEIVED</b>	12/04/2018
<b>FINAL TEST DATE</b>	12/06/2018
<b>TESTED BY</b>	Tim Royer
<b>APPROVED BY</b>	Franklin Rose
<b>TEST RESULTS</b>	<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL

Report Number	Report Version	Description	Issue Date
2060UT18_C2PC TestReport_	Rev1	Initial Issue	12/06/2018

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

## TABLE OF CONTENTS

<b>GENERAL REMARKS</b> .....	<b>2</b>
<b>GENERAL INFORMATION</b> .....	<b>3</b>
<b>RESULTS SUMMARY</b> .....	<b>4</b>
<b>MODULATION CHARACTERISTICS, P25 &amp; DMR SIGNALS</b> .....	<b>5</b>
8K10F1E/F1D (P25) BANDWIDTH CALCULATION.....	5
7K60FXE/FXD (DMR) BANDWIDTH CALCULATION .....	6
<b>OCCUPIED BANDWIDTH</b> .....	<b>7</b>
TEST DATA: 99% OCCUPIED BANDWIDTH TABLE (P25) .....	8
TEST DATA: 99% OCCUPIED BANDWIDTH TABLE (DMR) .....	8
TEST DATA: C4FM, 406.10063 MHz .....	9
TEST DATA: C4FM, 421.006255 MHz .....	10
TEST DATA: C4FM, 465.00000 MHz .....	11
TEST DATA: C4FM, 469.99375 MHz .....	12
TEST DATA: DMR, 406.10063 MHz .....	13
TEST DATA: DMR, 421.00625 MHz .....	14
TEST DATA: DMR, 465.00000 MHz .....	15
TEST DATA: DMR, 469.99375 MHz .....	16
<b>EMISSION MASK</b> .....	<b>17</b>
TEST DATA: C4FM, 406.10063 MHz, 90.210 & RSS-119, MASK D.....	18
TEST DATA: C4FM, 421.00625 MHz, 90.210 & RSS-119, MASK D.....	19
TEST DATA: C4FM, 465 MHz, 90.210 & RSS-119, MASK D .....	20
TEST DATA: C4FM, 469.99375 MHz, 90.210 & RSS-119, MASK D.....	21
TEST DATA: DMR, 406.10063 MHz, 90.210 & RSS-119, MASK D.....	22
TEST DATA: DMR, 421.00625 MHz, 90.210 & RSS-119, MASK D.....	23
TEST DATA: DMR, 465 MHz, 90.210 & RSS-119, MASK D.....	24
TEST DATA: DMR, 469.99375 MHz, 90.210 & RSS-119, MASK D.....	25
<b>SPURIOUS EMISSIONS AT ANTENNA TERMINALS (CONDUCTED)</b> .....	<b>26</b>
TEST DATA: 406.10063 MHz .....	28
TEST DATA: 421.00625 MHz .....	29
TEST DATA: 465.00000 MHz .....	30
TEST DATA: 469.99375 MHz .....	31
<b>STATEMENT OF MEASUREMENT UNCERTAINTY</b> .....	<b>32</b>
<b>EMC EQUIPMENT LIST</b> .....	<b>33</b>

**GENERAL REMARKS**

**Summary**

The device under test does:

Fulfill the general approval requirements as identified in this test report and was selected by the customer.

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 requirements.

I attest that the necessary measurements were made at:

**Timco Engineering Inc.**  
**849 NW State Road 45**  
**Newberry, FL 32669**  
**Designation #: US1070**

**Test:**



Sr. EMC Engineer  
 EMC-003838-NE



<b>Name and Title</b>	Marie Royer, Project Manager / EMC Testing Engineer
<b>Date</b>	12/06/2018

**Reviewed and Approved by:**



<b>Name and Title</b>	Franklin Rose, Project Manager / EMC Testing Technician
<b>Date</b>	12/10/2018

## GENERAL INFORMATION

<b>EUT Description</b>	UHF BASE STATION
<b>FCC ID</b>	Y9M-KA450
<b>Model Number</b>	KA-450
<b>Operating Frequency</b>	406.1- 470MHz
<b>Type of Emission</b>	7K60FXE/FXD, 8K10F1E/F1D
<b>Modulation</b>	Digital
<b>EUT Power Source</b>	<input type="checkbox"/> 110–120Vac/50– 60Hz
	<input checked="" type="checkbox"/> DC Power (12 V)
	<input type="checkbox"/> Battery Operated Exclusively
<b>Test Item</b>	<input type="checkbox"/> Prototype
	<input checked="" type="checkbox"/> Pre-Production
	<input type="checkbox"/> Production
<b>Type of Equipment</b>	<input checked="" type="checkbox"/> Fixed
	<input type="checkbox"/> Mobile
	<input type="checkbox"/> Portable
<b>Antenna Connector</b>	BNC
<b>Test Conditions</b>	The temperature was 26°C Relative humidity of 50%.
<b>Modification to the EUT</b>	None.
<b>Test Exercise</b>	The EUT was operated according to the User Manual.
<b>Applicable Standards</b>	RSS-GEN (i5), RSS-210 Annex E (i9), ANSI C63.10; Referencing ANSI C63.26, TIA 603-E:2016, Part 2, Part 90
<b>Test Facility</b>	Timco Engineering Inc. at 849 NW State Road 45 Newberry, FL 32669 USA. Designation #: US1070; IC Test Site: 2056-A

## RESULTS SUMMARY

Applied Rule Part	Test Description	Result
2.1049 (c), RSS-GEN 6.7, RSS-119	Occupied Bandwidth	<b>PASS</b>
90.210(b)(1), (2); (d)(1), (2) RSS-GEN 6.7, RSS-119	Emission Mask	<b>PASS</b>
2.1053(a), 90.210(e)(3); (d)(3) RSS-GEN 6.13, RSS-119	Spurious Emissions at Antenna Terminals	<b>PASS</b>

## MODULATION CHARACTERISTICS, P25 & DMR SIGNALS

FCC Rule Parts: Part 2.1033(c)(4), 90.209(b)(5)

### STANDARD CHANNEL SPACING/BANDWIDTH

Frequency band (MHz)	Channel spacing (kHz)	Authorized bandwidth (kHz)
406-512 <sup>2</sup>	<sup>1</sup> 6.25	<sup>136</sup> 20/11.25/6

<sup>1</sup>For stations authorized on or after August 18, 1995.

<sup>2</sup>Bandwidths for radiolocation stations in the 420-450 MHz band and for stations operating in bands subject to this footnote will be reviewed and authorized on a case-by-case basis.

<sup>3</sup>Operations using equipment designed to operate with a 25 kHz channel bandwidth will be authorized a 20 kHz bandwidth. Operations using equipment designed to operate with a 12.5 kHz channel bandwidth will be authorized a 11.25 kHz bandwidth. Operations using equipment designed to operate with a 6.25 kHz channel bandwidth will be authorized a 6 kHz bandwidth. All stations must operate on channels with a bandwidth of 12.5 kHz or less beginning January 1, 2013, unless the operations meet the efficiency standard of §90.203(j)(3).

<sup>6</sup>Operations using equipment designed to operate with a 25 kHz channel bandwidth may be authorized up to a 22 kHz bandwidth if the equipment meets the Adjacent Channel Power limits of §90.221.

### 8K10F1E/F1D (P25) Bandwidth Calculation

$$\begin{aligned}
 B_n &= (R/\log_2 S) + 2DK \\
 B_n &= (9600/\log_2(4)) + 2(1800)(0.916) \\
 B_n &= 4800 + 3298 \\
 B_n &= 8.10 \text{ kHz}
 \end{aligned}$$

Where:

$$\begin{aligned}
 R \text{ (data rate)} &= 9600 \text{ bps} \\
 D \text{ (peak deviation)} &= 1800 \text{ Hz} \\
 S \text{ (symbols)} &= 4 \\
 K \text{ (constant)} &= 0.916
 \end{aligned}$$

Necessary Bandwidth for 8K10F1E/F1D = **8.10 kHz**

**RESULT: 90.209(b)(5) Necessary Bandwidth for 8K10F1E/F1D = 8.10 kHz**

## MODULATION CHARACTERISTICS, P25 & DMR SIGNALS

### 7K60FXE/FXD (DMR) Bandwidth Calculation

$$\begin{aligned} B_n &= (R/\log_2 S) + 2DK \\ B_n &= (9600/\log_2(4)) + 2(1800)(0.905) \\ B_n &= (4800 + 3600) * 0.905 \\ B_n &= 7.602 \text{ kHz} \end{aligned}$$

Where:

R = baud rate (9600)  
D = deviation kHz (1800 Hz)  
S = signaling states (4)  
K = constant (0.905)

**RESULT: 90.209(b) (5) Necessary Bandwidth for 7K60FXE/FXD = 7.60 kHz**

## OCCUPIED BANDWIDTH

**Rule Part:** RSS-119 5.5, 2.1049 (c)

### 5.5 Channel Bandwidth, Authorized Bandwidth, Occupied Bandwidth and Spectrum Masks

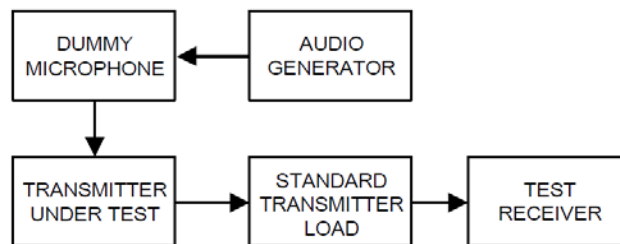
For the purpose of this document, channel bandwidth is the channel width in which the equipment is designed to operate.

The maximum permissible occupied bandwidth shall not exceed the authorized bandwidth specified in Table 3 for the equipment's frequency band. The authorized bandwidth is defined as the maximum width of the band of frequencies used to derive spectrum masks and is not necessarily equivalent to the bandwidth found on radio and spectrum licences.

**Table 3 — Channel Bandwidths, Authorized Bandwidths and Spectrum Masks**

Frequency Band (MHz)	Related SRSP for Channelling Plan and ERP	Channel Bandwidth (kHz)	Authorized Bandwidth (kHz)	Spectrum Masks for Equipment With Audio Filter	Spectrum Masks for Equipment Without Audio Filter
27.41-28 and 29.7-50	N/A	20	20	B	C
72-76	N/A	20	20	B	C
138-144, 148-149.9 and 150.05-174	<a href="#">SRSP-500</a>	30	20	B	C
		15	11.25	D	D
		7.5	6	E	E
217-218 and 219-220	N/A	12.5	11.25	D or I	D or J
220-222	<a href="#">SRSP-512</a>	5	4	F	F
406.1-430 and 450-470	<a href="#">SRSP-501</a>	25	20 22	B Y	C (G) <sup>1</sup> Y
		12.5	11.25	D	D
		6.25	6	E	E

**Test Procedure:** ANSI C63.10 s 6.9.3 (using test setup from TIA 603-E 2.2.11)



**Note:** The receiver's automatic 99% Occupied Bandwidth function was used. The function is identical in operation to ANSI C63.10 s 6.9.3, step g.



**Measurement Parameter Calculation:**

99% OBW (kHz)	Min RBW (kHz)	Max RBW (kHz)	Min Span (kHz)	Max Span (kHz)
8.110	0.081	0.406	16.220	40.550

**Test Data: 99% Occupied Bandwidth Table (P25)**

Frequency (MHz)	99% OBW (kHz)	Limit (kHz)	Margin (kHz)
406.1006	7.66	11.3	3.59
421.0063	7.71	11.3	3.54
465.0000	7.86	11.3	3.39
469.9938	7.66	11.3	3.59

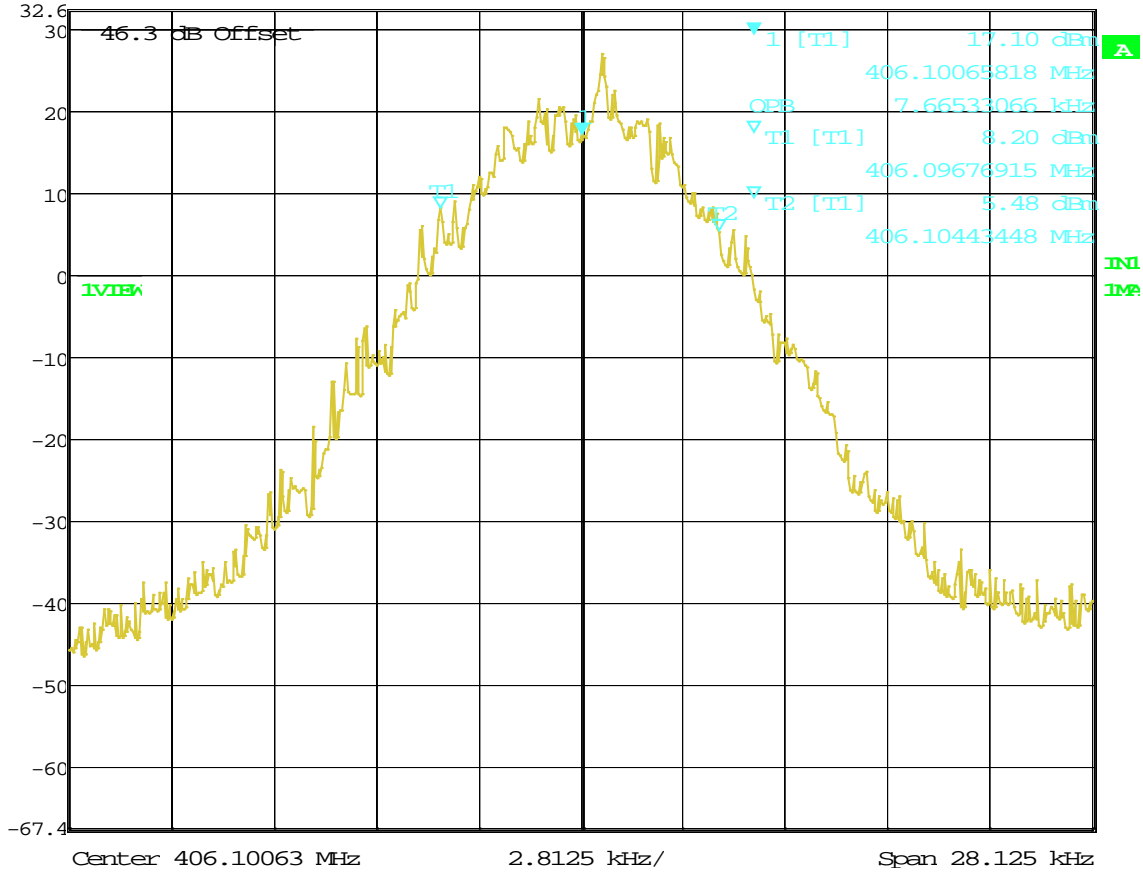
**Test Data: 99% Occupied Bandwidth Table (DMR)**

Frequency (MHz)	99% OBW (kHz)	Limit (kHz)	Margin (kHz)
406.1006	8.17	11.3	3.08
421.0063	8.11	11.3	3.14
465.0000	8.11	11.3	3.14
469.9938	8.11	11.3	3.14

# OCCUPIED BANDWIDTH

Test Data: C4FM, 406.10063 MHz

	Marker 1 [T1]	RBW	100 Hz	RF Att	10 dB
Ref Lvl	17.10 dBm	VBW	300 Hz		
32.6 dBm	406.10065818 MHz	SWT	14.5 s	Unit	dBm



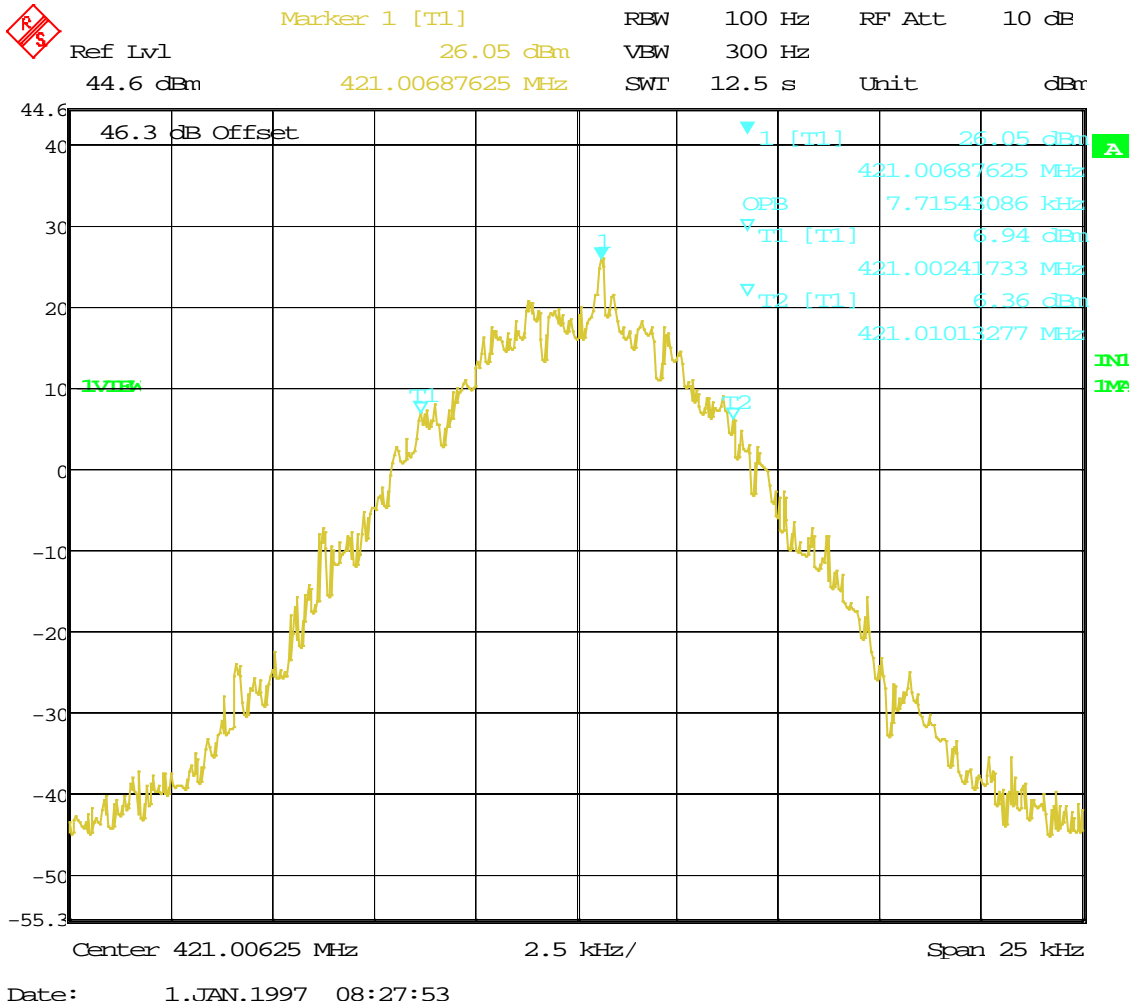
Date: 1.JAN.1997 00:28:37

**Result: 99% OBW = 7.665 kHz**

**Result: Meets Requirements**

# OCCUPIED BANDWIDTH

Test Data: C4FM, 421.006255 MHz

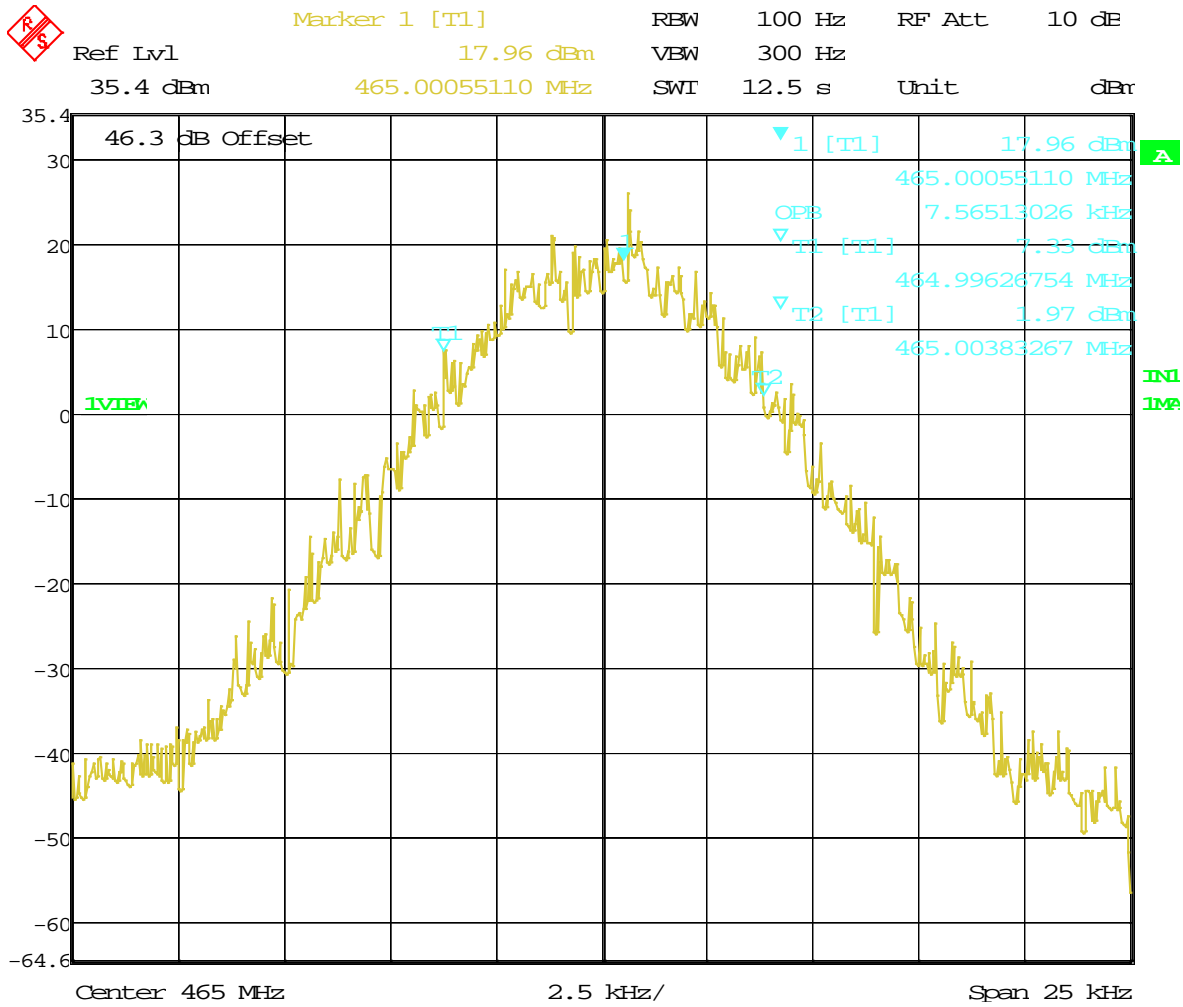


**Result: 99% OBW = 7.715 kHz**

**Result: Meets Requirements**

# OCCUPIED BANDWIDTH

Test Data: C4FM, 465.00000 MHz



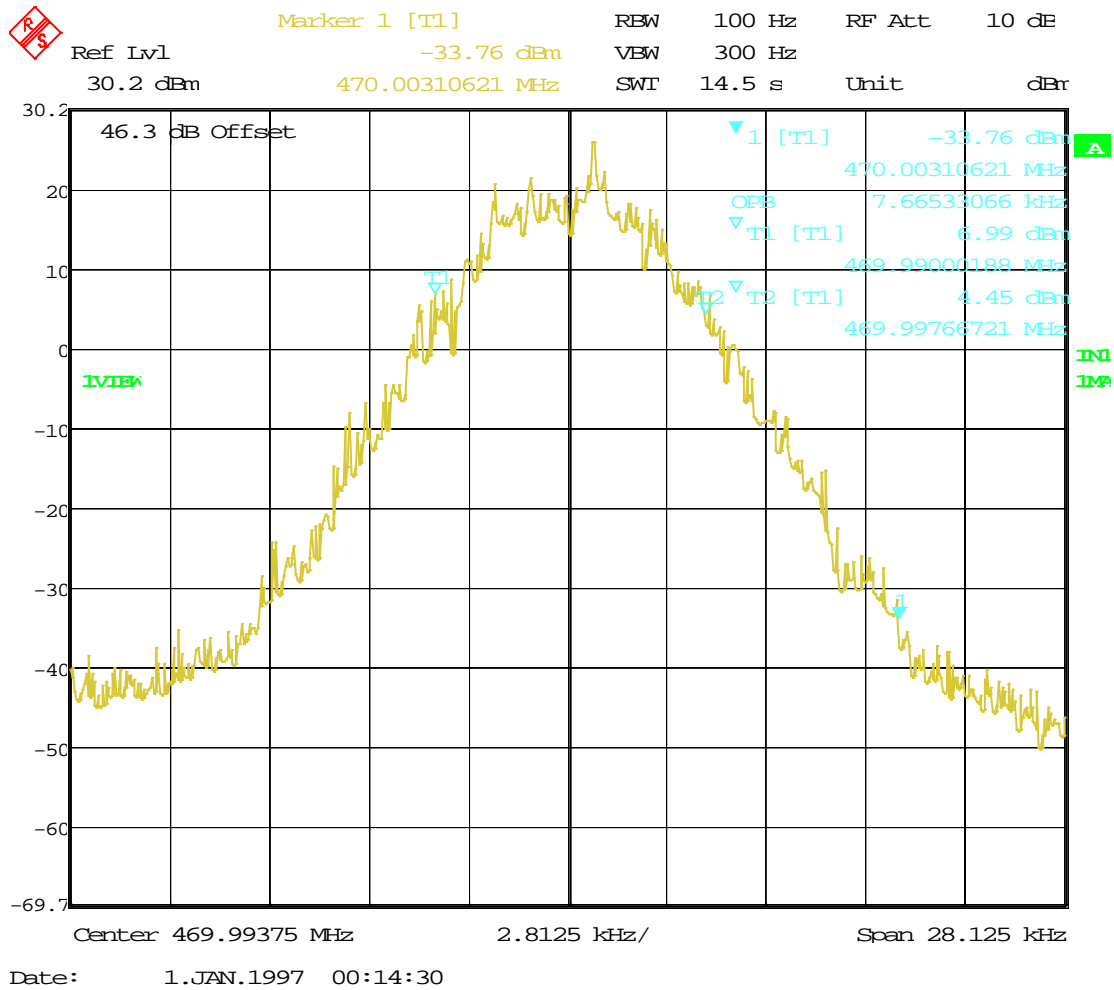
Date: 1.JAN.1997 08:53:13

**Result: 99% OBW = 7.565 kHz**

**Result: Meets Requirements**

# OCCUPIED BANDWIDTH

Test Data: C4FM, 469.99375 MHz

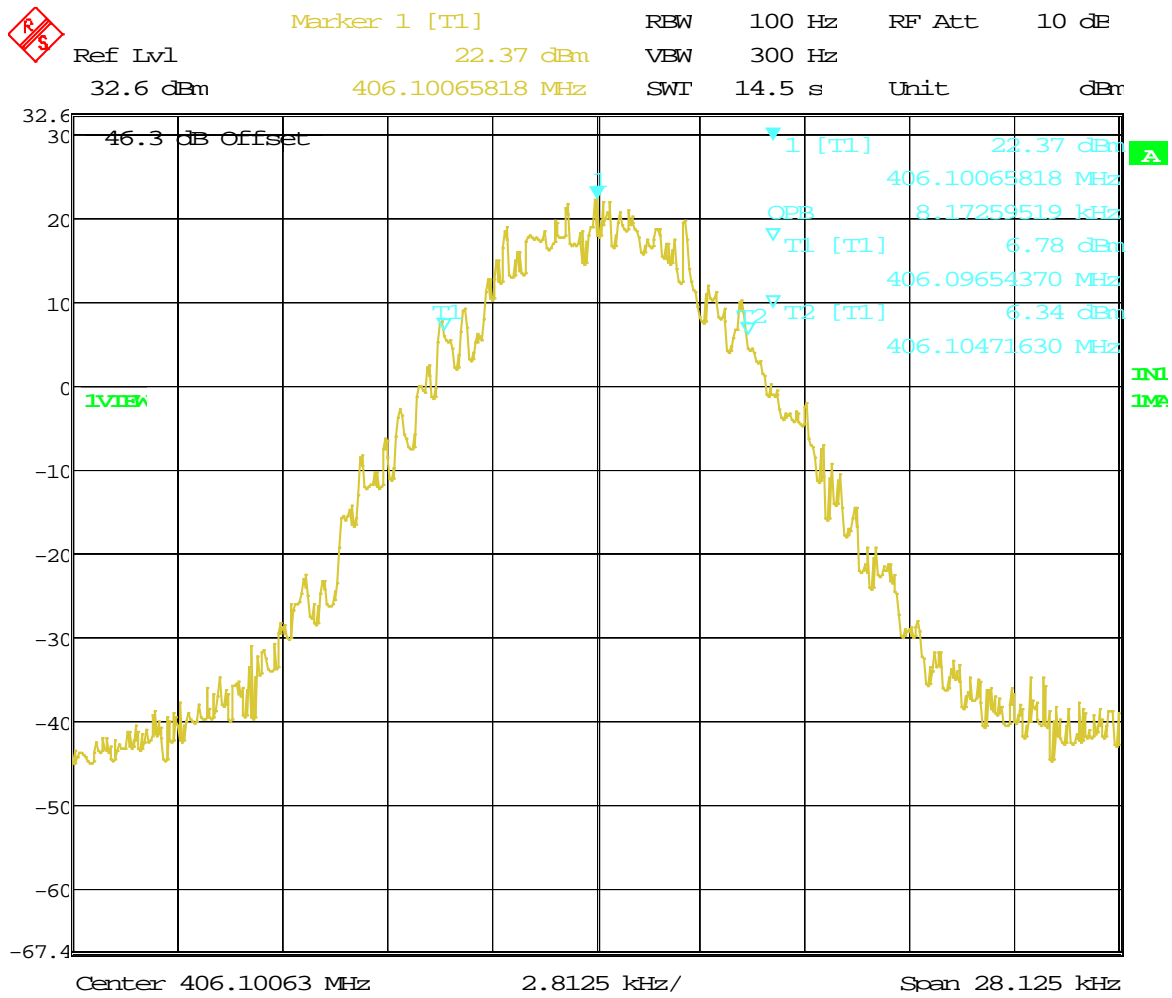


**Result: 99% OBW = 7.665 kHz**

**Result: Meets Requirements**

# OCCUPIED BANDWIDTH

Test Data: DMR, 406.10063 MHz

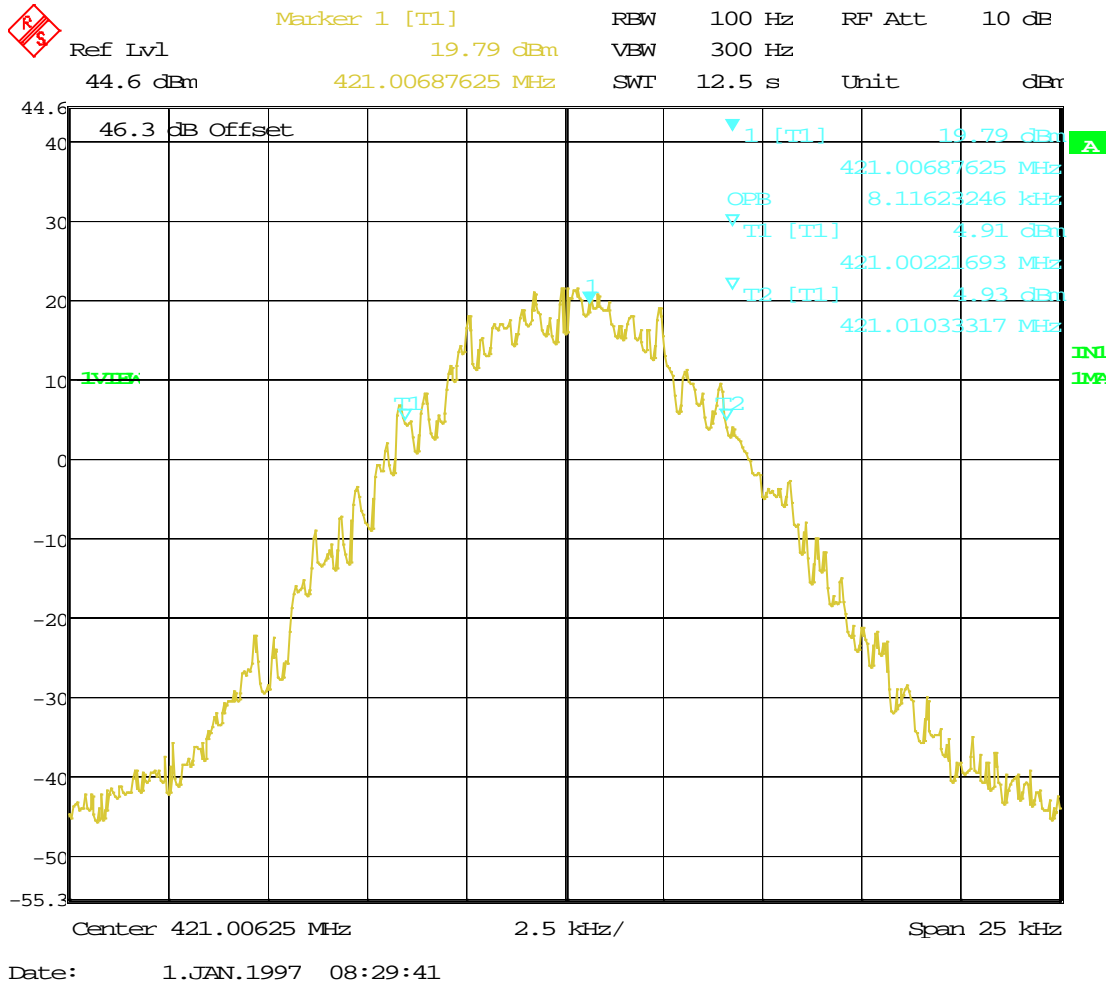


**Result: 99% OBW = 8.172 kHz**

**Result: Meets Requirements**

# OCCUPIED BANDWIDTH

Test Data: DMR, 421.00625 MHz

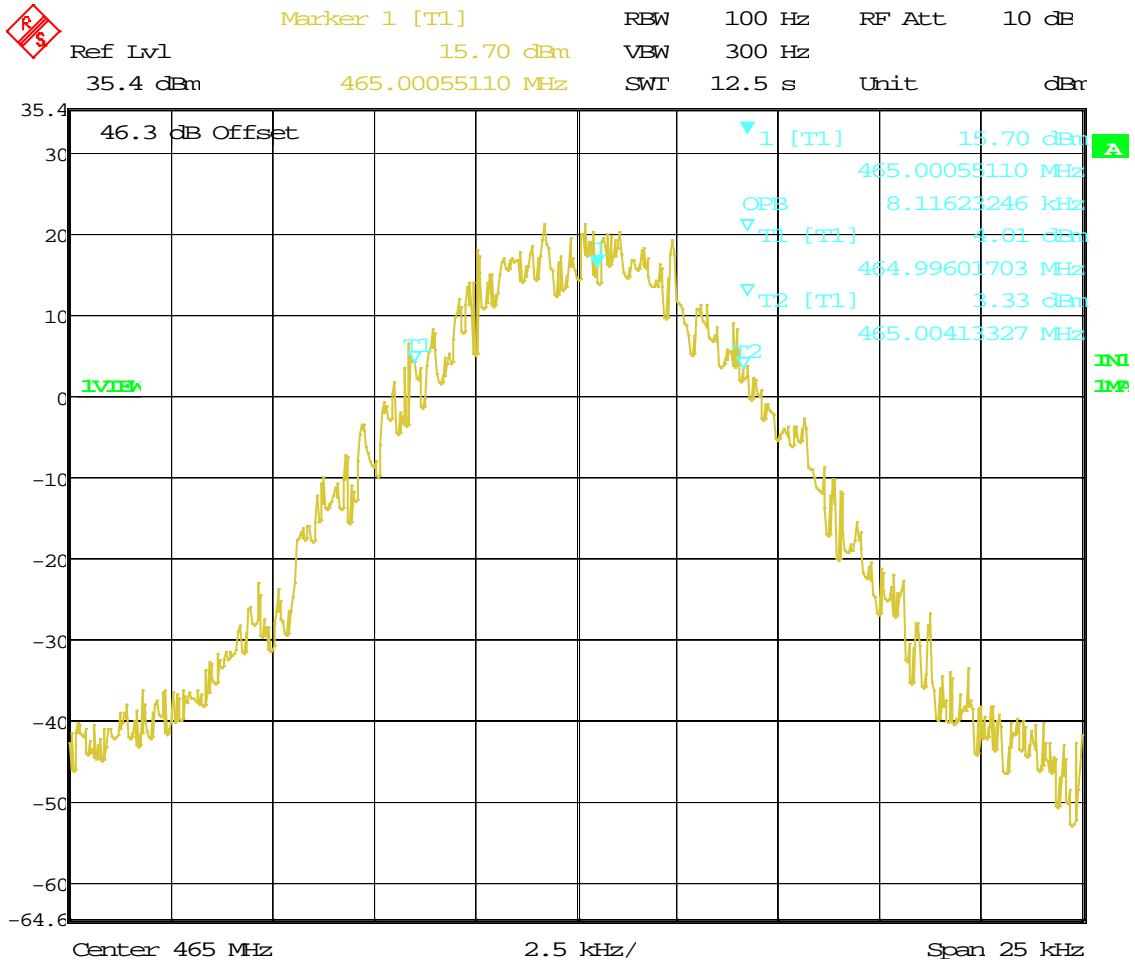


**Result: 99% OBW = 8.11 kHz**

**Result: Meets Requirements**

# OCCUPIED BANDWIDTH

Test Data: DMR, 465.00000 MHz



Date: 1.JAN.1997 08:52:20

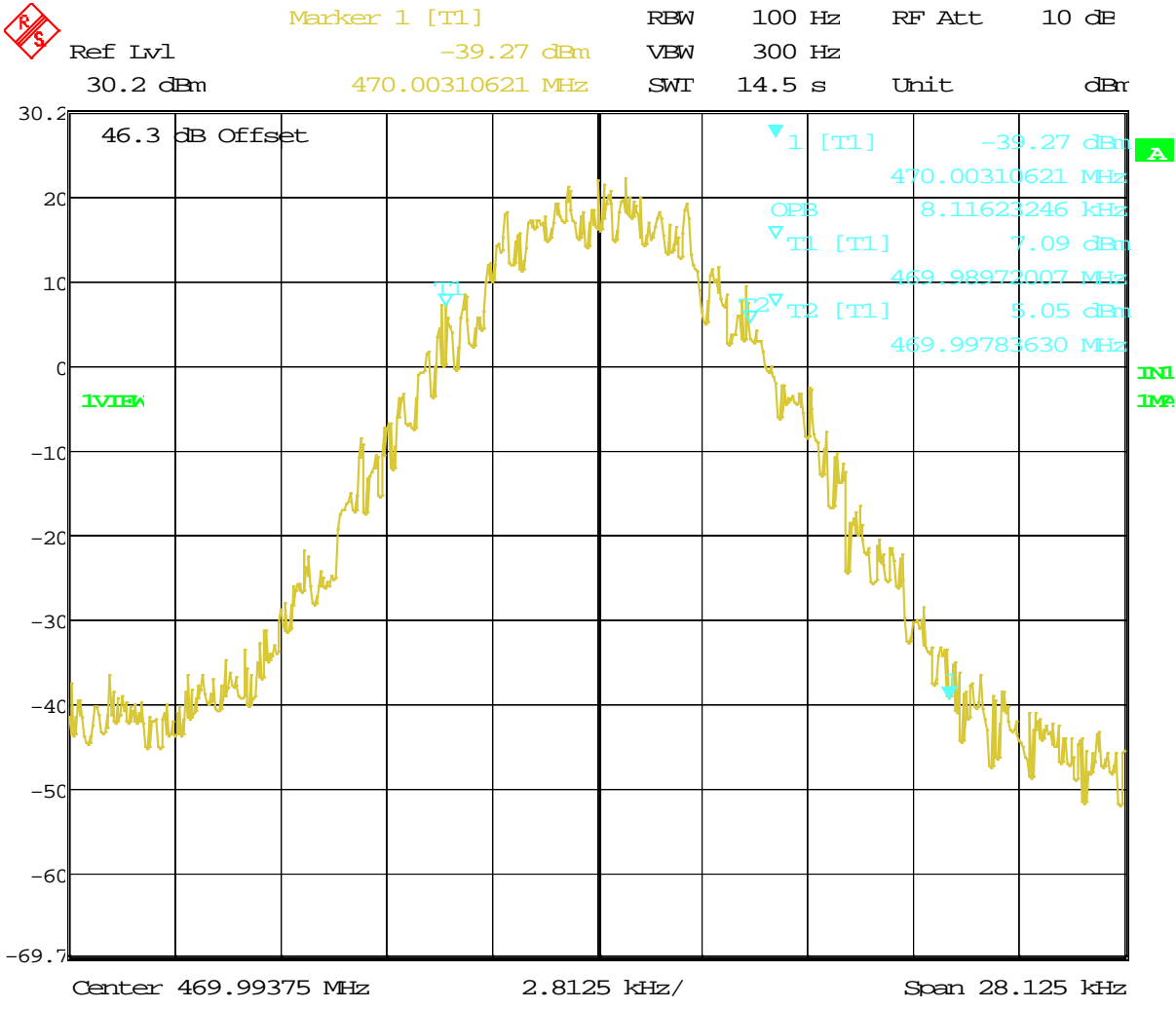
**Result: 99% OBW = 8.11 kHz**

**Result: Meets Requirements**



# OCCUPIED BANDWIDTH

Test Data: DMR, 469.99375 MHz



Date: 1.JAN.1997 00:15:35

**Result: 99% OBW = 8.11 kHz**

**Result: Meets Requirements**

## EMISSION MASK

**FCC Rule Parts:** RSS-GEN 6.7, RSS-119, 90.210 (d)(1), (2)

### 5.8.3 Emission Mask D for Transmitters Equipped With or Without an Audio Low-Pass Filter

The power of any emission shall be attenuated below the transmitter output power P (dBW) as specified in Table 7.

Table 7 — Emission Mask D		
Displacement Frequency, $f_d$ (kHz)	Minimum Attenuation (dB)	Resolution Bandwidth (Hz)
$5.625 < f_d \leq 12.5$	$7.27(f_d - 2.88)$	Specified in <a href="#">Section 4.2.2</a>
$f_d > 12.5$	Whichever is the lesser: 70 or $50 + 10 \log_{10}(P)$	Specified in <a href="#">Section 4.2.2</a>

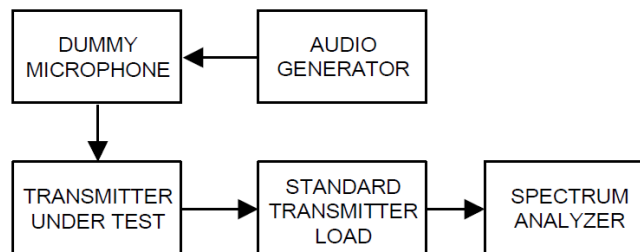
(d) *Emission Mask D—12.5 kHz channel bandwidth equipment.* For transmitters designed to operate with a 12.5 kHz channel bandwidth, any emission must be attenuated below the power (P) of the highest emission contained within the authorized bandwidth as follows:

(1) On any frequency from the center of the authorized bandwidth  $f_0$  to 5.625 kHz removed from  $f_0$ : Zero dB.

(2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency ( $f_d$  in kHz) of more than 5.625 kHz but no more than 12.5 kHz: At least  $7.27(f_d - 2.88)$  dB.

(3) On any frequency removed from the center of the authorized bandwidth by a displacement frequency ( $f_d$  in kHz) of more than 12.5 kHz: At least  $50 + 10 \log(P)$  dB or 70 dB, whichever is the lesser attenuation.

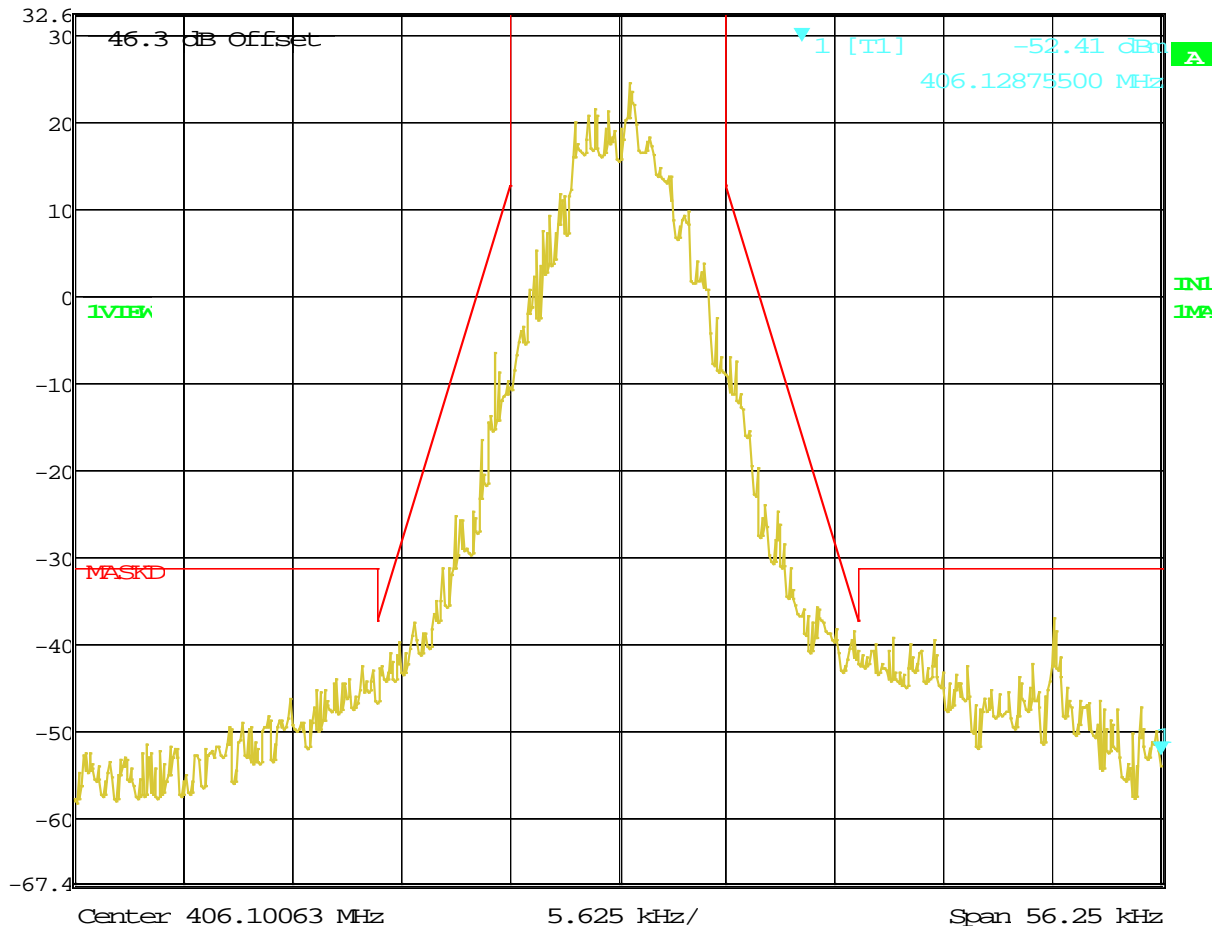
**Test Procedure:** ANSI C63.10, referencing TIA 603-E 2.2.11



# EMISSION MASK

Test Data: C4FM, 406.10063 MHz, 90.210 & RSS-119, Mask D

	Marker 1 [T1]	RBW	100 Hz	RF Att	10 dB
Ref Lvl	-52.41 dBm	VBW	300 Hz		
32.6 dBm	406.12875500 MHz	SWT	29 s	Unit	dBm

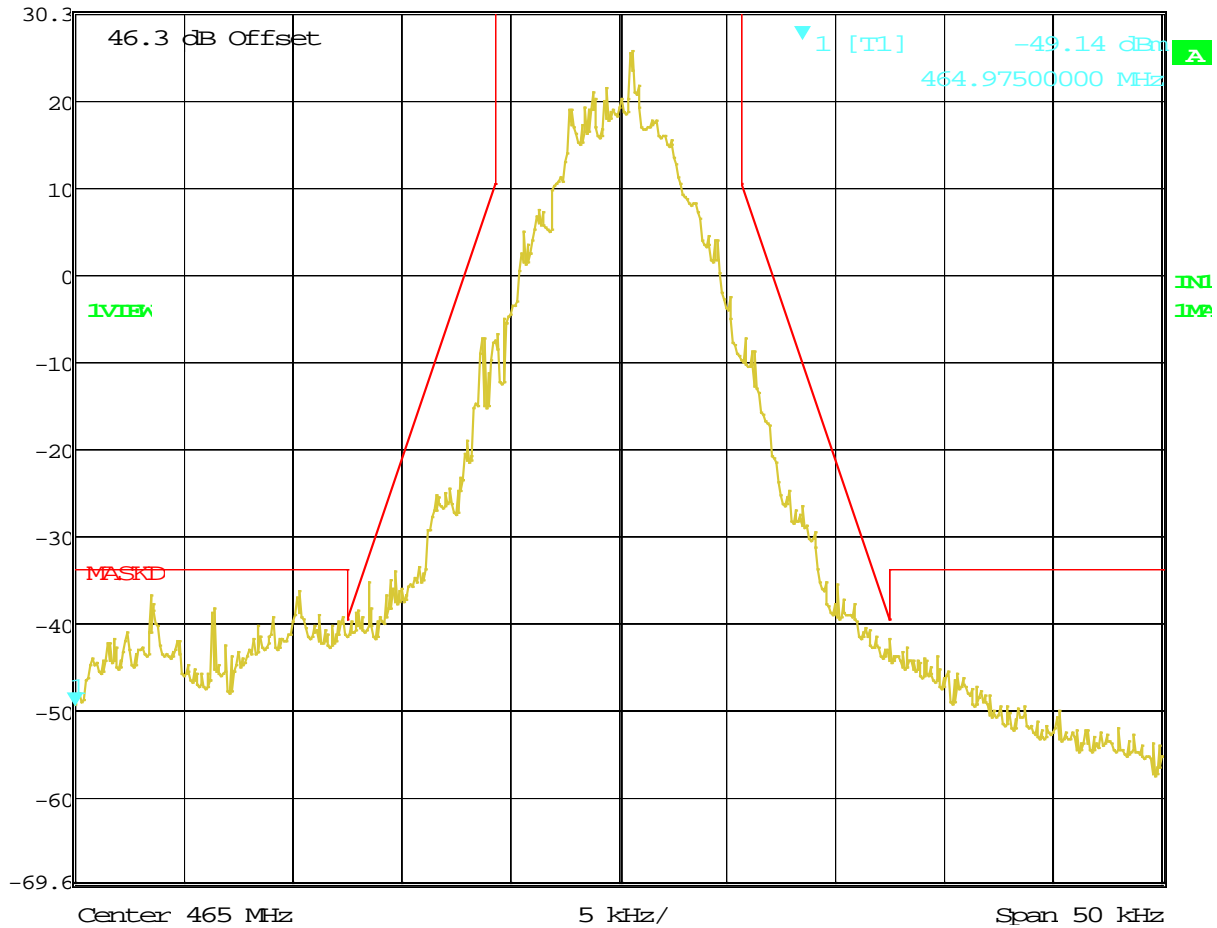


Date: 1.JAN.1997 00:22:05

# EMISSION MASK

Test Data: C4FM, 421.00625 MHz, 90.210 & RSS-119, Mask D

	Marker 1 [T1]	RBW	100 Hz	RF Att	10 dB
Ref Lvl	-49.14 dBm	VBW	300 Hz		
30.4 dBm	464.97500000 MHz	SWT	25 s	Unit	dBm



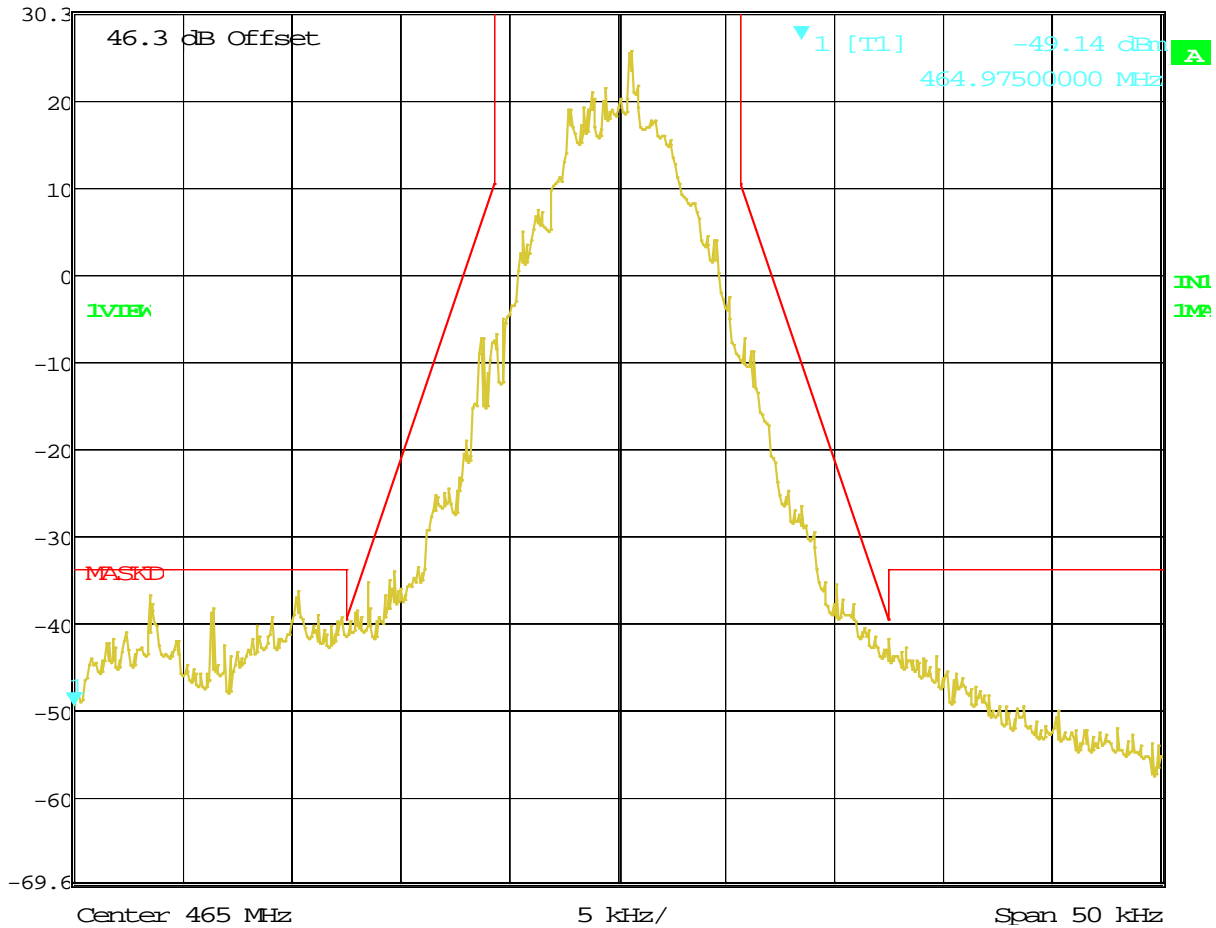
Date: 1.JAN.1997 08:37:37

# EMISSION MASK

Test Data: C4FM, 465 MHz, 90.210 & RSS-119, Mask D



Ref Lvl	30.4 dBm	Marker 1 [T1]	-49.14 dBm	RBW	100 Hz	RF Att	10 dB
				VBW	300 Hz		
				SWT	25 s	Unit	dBm

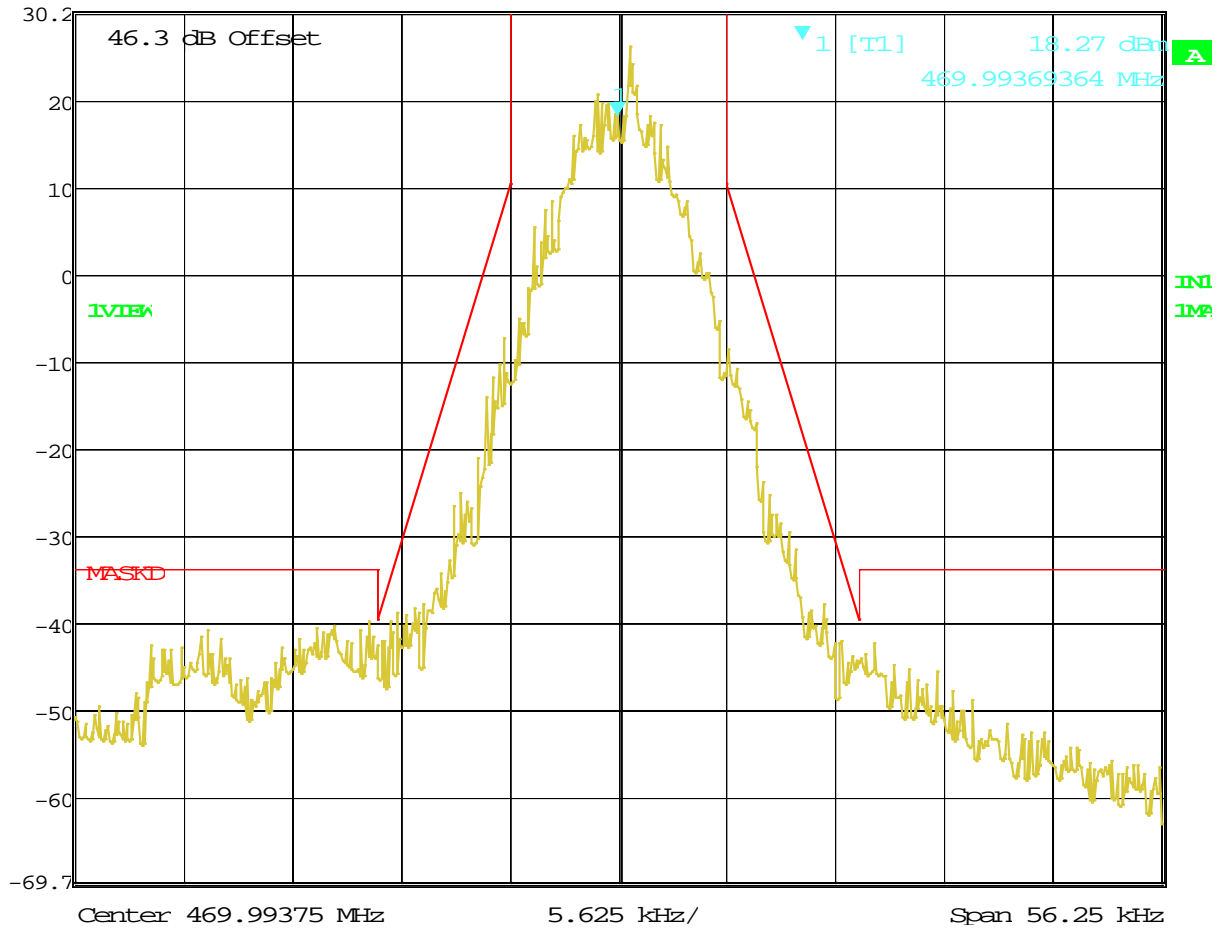


Date: 1.JAN.1997 08:37:37

# EMISSION MASK

Test Data: C4FM, 469.99375 MHz, 90.210 & RSS-119, Mask D

	Marker 1 [T1]	RBW	100 Hz	RF Att	10 dB
	Ref Lvl	18.27 dBm	VBW	300 Hz	
	30.2 dBm	469.99369364 MHz	SWT	29 s	Unit

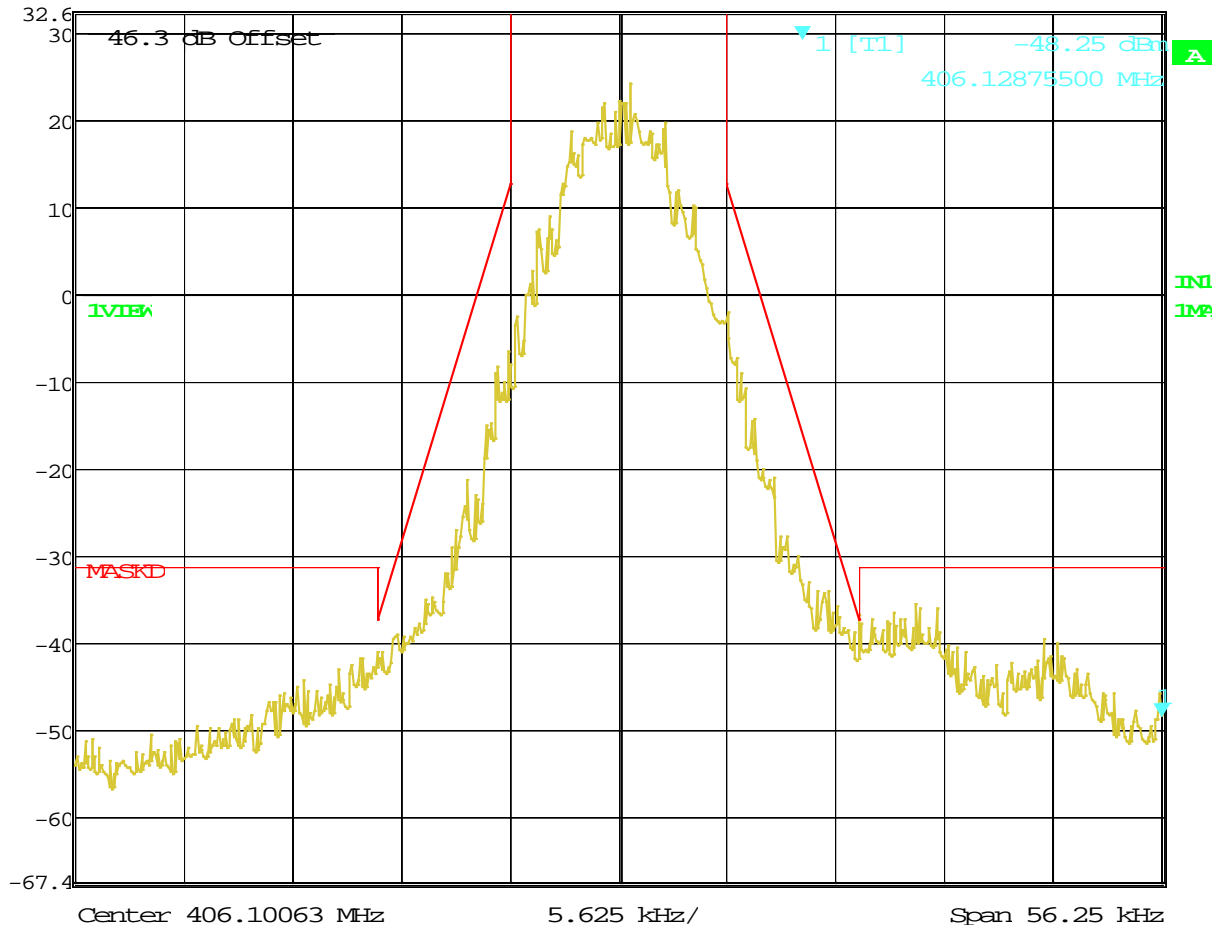


Date: 1.JAN.1997 00:17:59

# EMISSION MASK

Test Data: DMR, 406.10063 MHz, 90.210 & RSS-119, Mask D

	Marker 1 [T1]	RBW	100 Hz	RF Att	10 dB
Ref Lvl	-48.25 dBm	VBW	300 Hz		
32.6 dBm	406.12875500 MHz	SWT	29 s	Unit	dBm

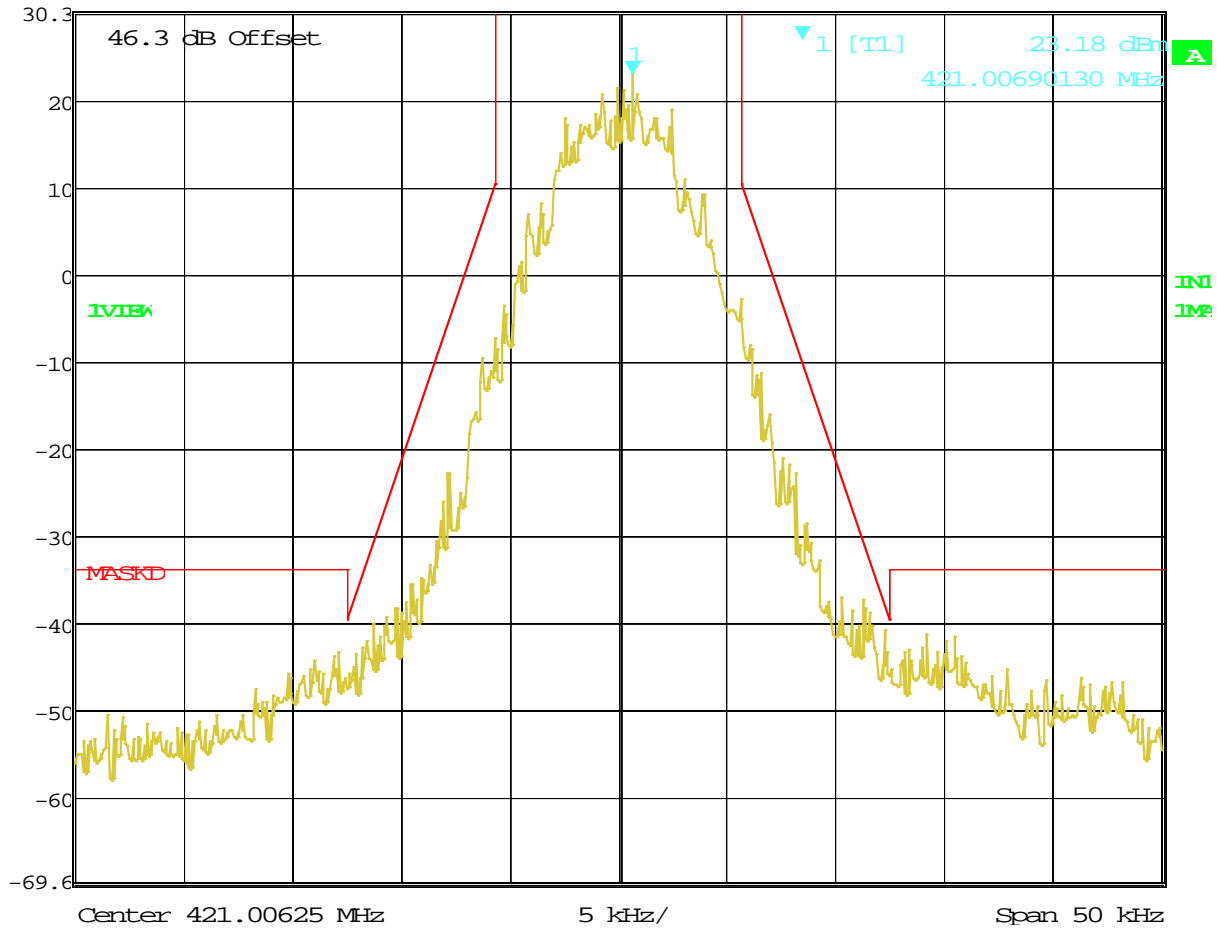


Date: 1.JAN.1997 00:25:20

# EMISSION MASK

Test Data: DMR, 421.00625 MHz, 90.210 & RSS-119, Mask D

	Marker 1 [T1]	RBW	100 Hz	RF Att	10 dB
Ref Lvl	23.18 dBm	VBW	300 Hz		
30.4 dBm	421.00690130 MHz	SWT	25 s	Unit	dBm



Date: 1.JAN.1997 08:31:33

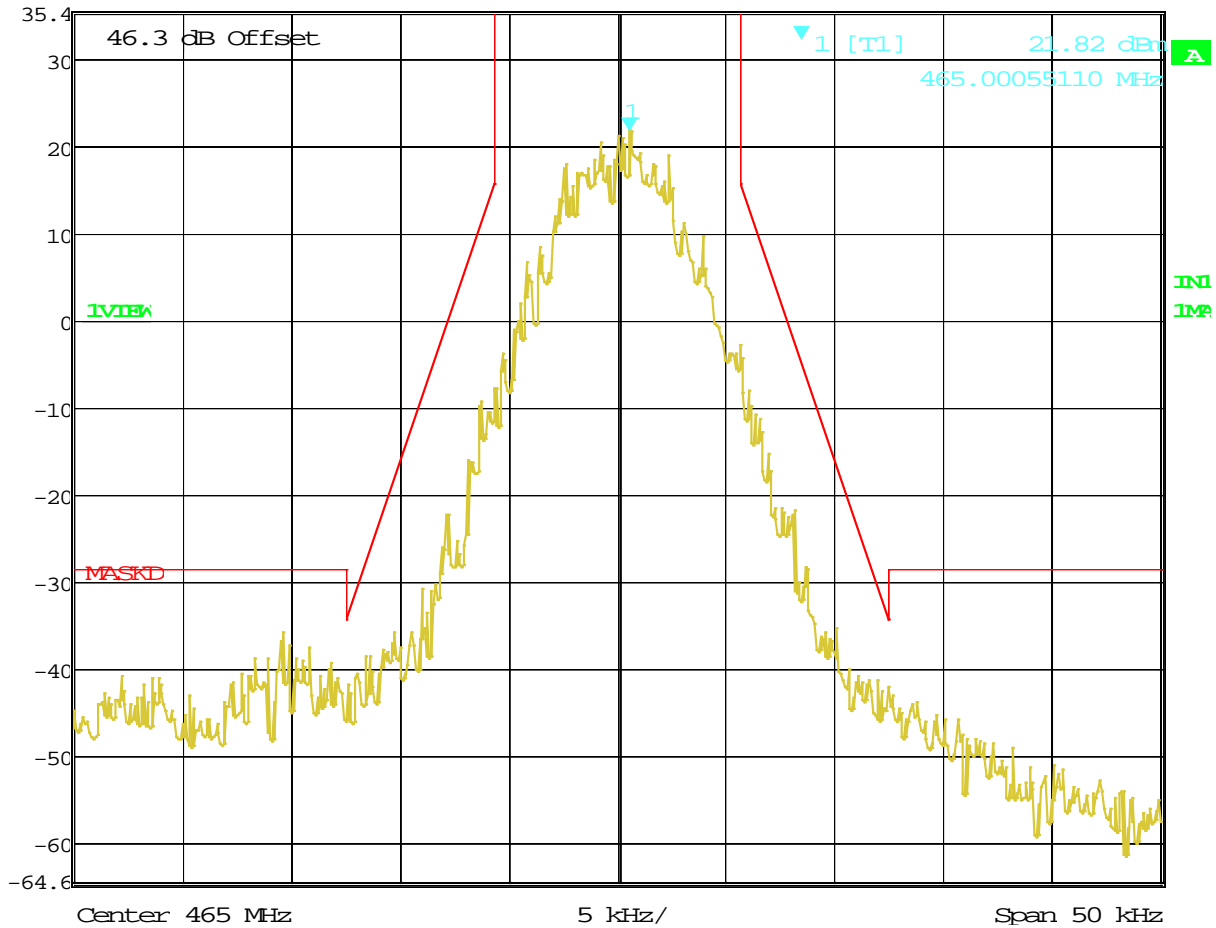


# EMISSION MASK

Test Data: DMR, 465 MHz, 90.210 & RSS-119, Mask D



Ref Lvl	35.4 dBm	Marker 1 [T1]	21.82 dBm	RBW	100 Hz	RF Att	10 dB
			465.00055110 MHz	VBW	300 Hz		
				SWT	25 s	Unit	dBm

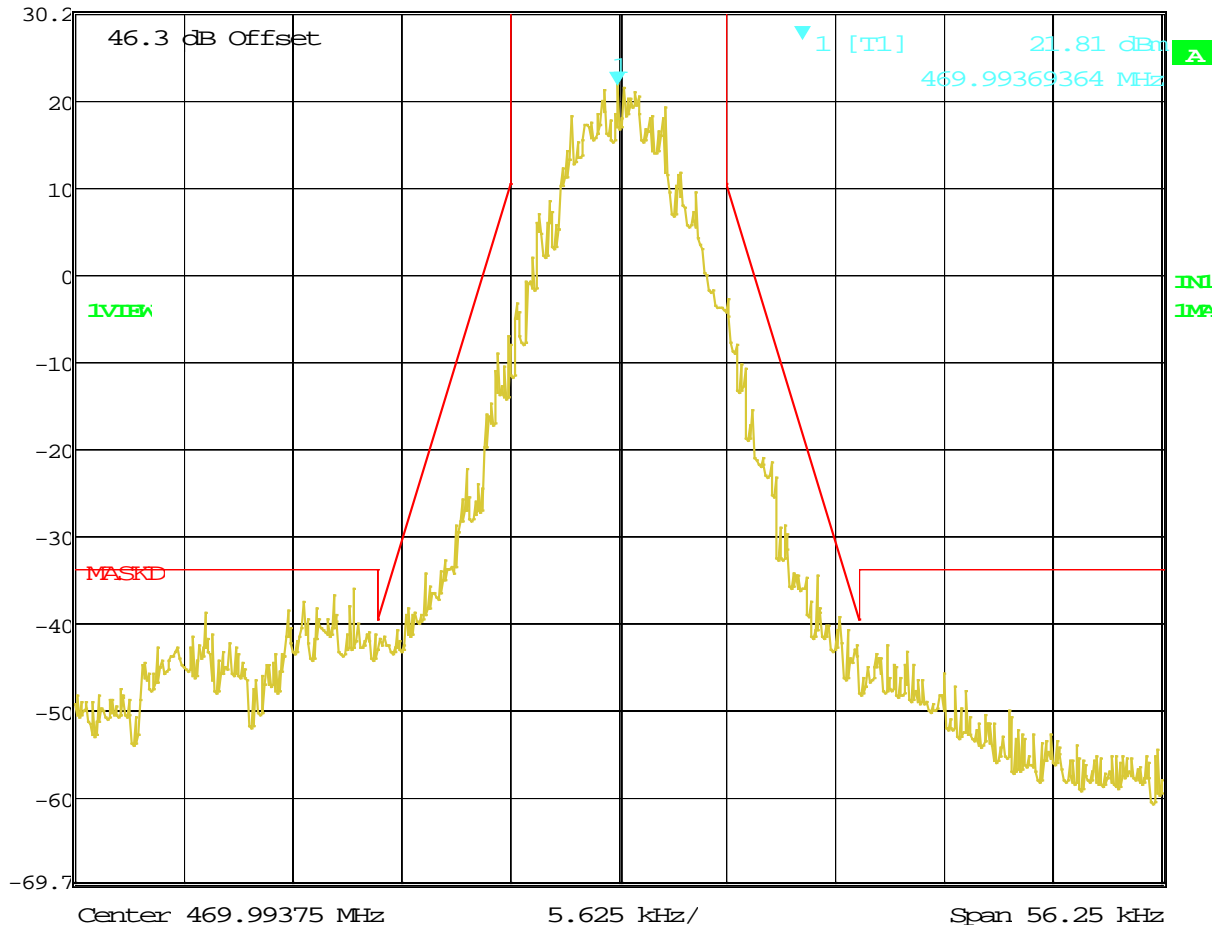


Date: 1.JAN.1997 08:45:29

# EMISSION MASK

Test Data: DMR, 469.99375 MHz, 90.210 & RSS-119, Mask D

	Marker 1 [T1]	RBW	100 Hz	RF Att	10 dB
Ref Lvl	21.81 dBm	VBW	300 Hz		
30.2 dBm	469.99369364 MHz	SWT	29 s	Unit	dBm



Date: 1.JAN.1997 00:16:43

## SPURIOUS EMISSIONS AT ANTENNA TERMINALS (CONDUCTED)

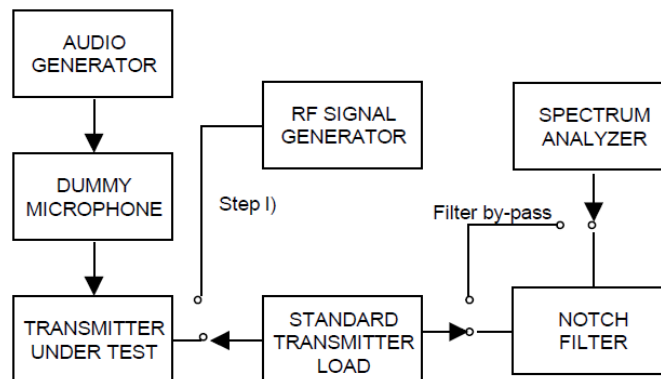
**Rule Part:** RSS-GEN 6.13, RSS-119 5.8.3

### 5.8.3 Emission Mask D for Transmitters Equipped With or Without an Audio Low-Pass Filter

The power of any emission shall be attenuated below the transmitter output power P (dBW) as specified in Table 7.

Table 7 — Emission Mask D		
Displacement Frequency, $f_d$ (kHz)	Minimum Attenuation (dB)	Resolution Bandwidth (Hz)
$5.625 < f_d \leq 12.5$	$7.27(f_d - 2.88)$	Specified in <a href="#">Section 4.2.2</a>
$f_d > 12.5$	Whichever is the lesser: $70$ or $50 + 10 \log_{10}(P)$	Specified in <a href="#">Section 4.2.2</a>

**Test Procedure:** ANSI C63.10, referencing TIA 603-E s 2.2.13



## SPURIOUS EMISSIONS AT ANTENNA TERMINALS

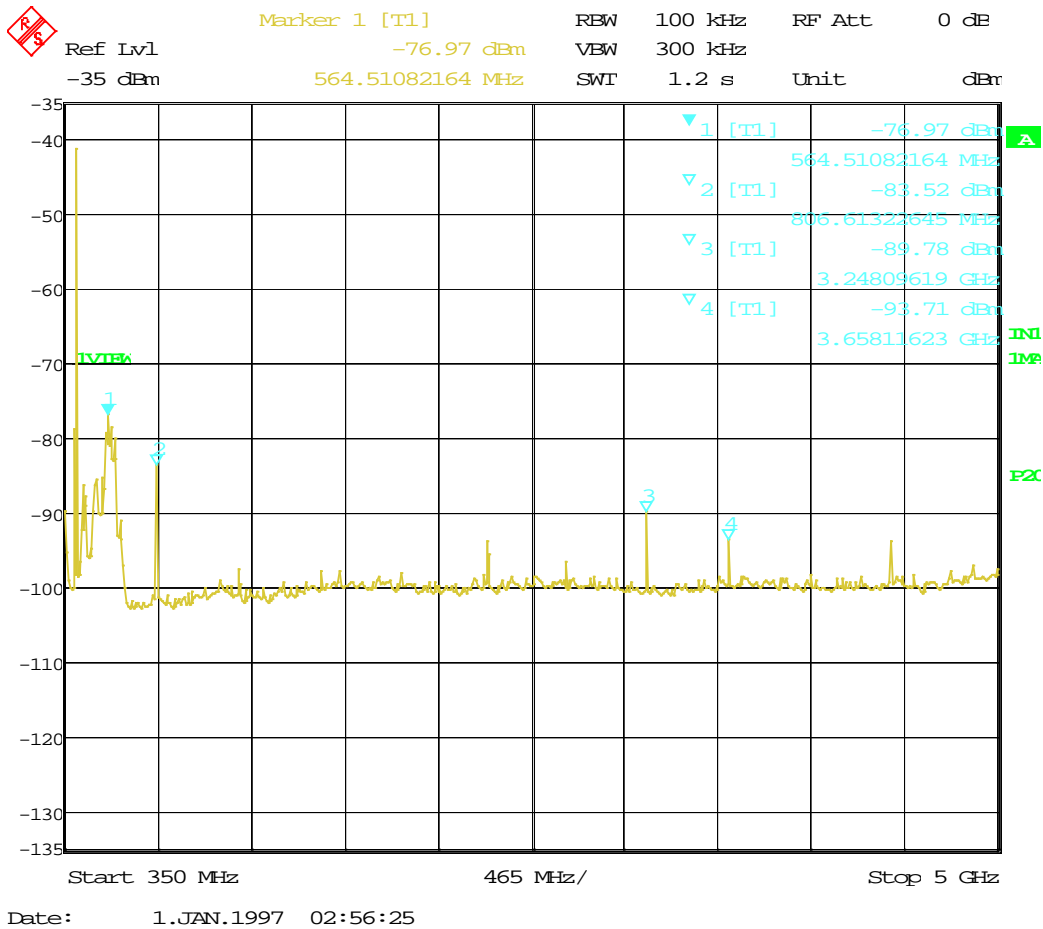
### Limit Calculation:

Frequency (MHz)	Channel Type	Power Output (dBm)	$50 + 10 \cdot \log(W)$ (dBc)	(dBc) to (dBm)
465.0000	Digital	44.000	64.000	-20.000

**Note:** A notch filter was used to attenuate the fundamental frequency of the EUT. TIA 603-E s. 2.2.13 was referenced for this Test Procedure. Digital emissions (P25 & DMR) were determined and generated via software.

## SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Test Data: 406.10063 MHz



### Spurious Emission Calculation:

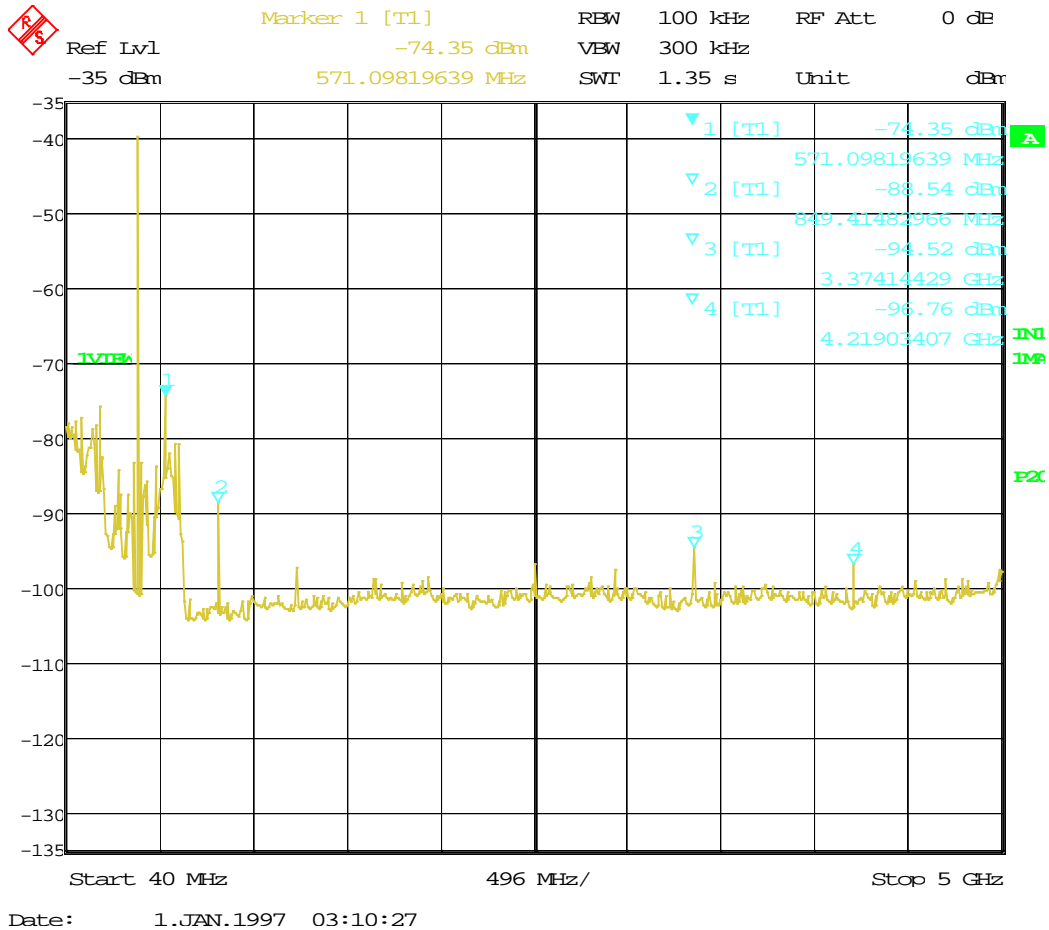
Marker	Frequency (MHz)	Measured Level (dBm)	Substitution Level (dBm)	Limit (dBm)	Margin (dB)
1	564.50	-76.97	-41.92	-20.00	21.920
2	806.61	-83.52	-48.47	-20.00	28.470
3	3248.00	-89.78	-54.73	-20.00	34.730
4	3658.10	-93.71	-58.66	-20.00	38.660

### Result: Meets Requirements

Applicant: RADIO ACTIVITY S.R.L  
 FCC ID: Y9M-KA450  
 Report: 2060UT18TestReport\_Rev1

## SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Test Data: 421.00625 MHz



### Spurious Emission Calculation:

Marker	Frequency (MHz)	Measured Level (dBm)	Substitution Level (dBm)	Limit (dBm)	Margin (dB)
1	571.09	-74.35	-39.30	-20.00	19.300
2	849.41	-88.54	-53.49	-20.00	33.490
3	3374.10	-94.52	-59.47	-20.00	39.470
4	4219.00	-96.76	-61.71	-20.00	41.710

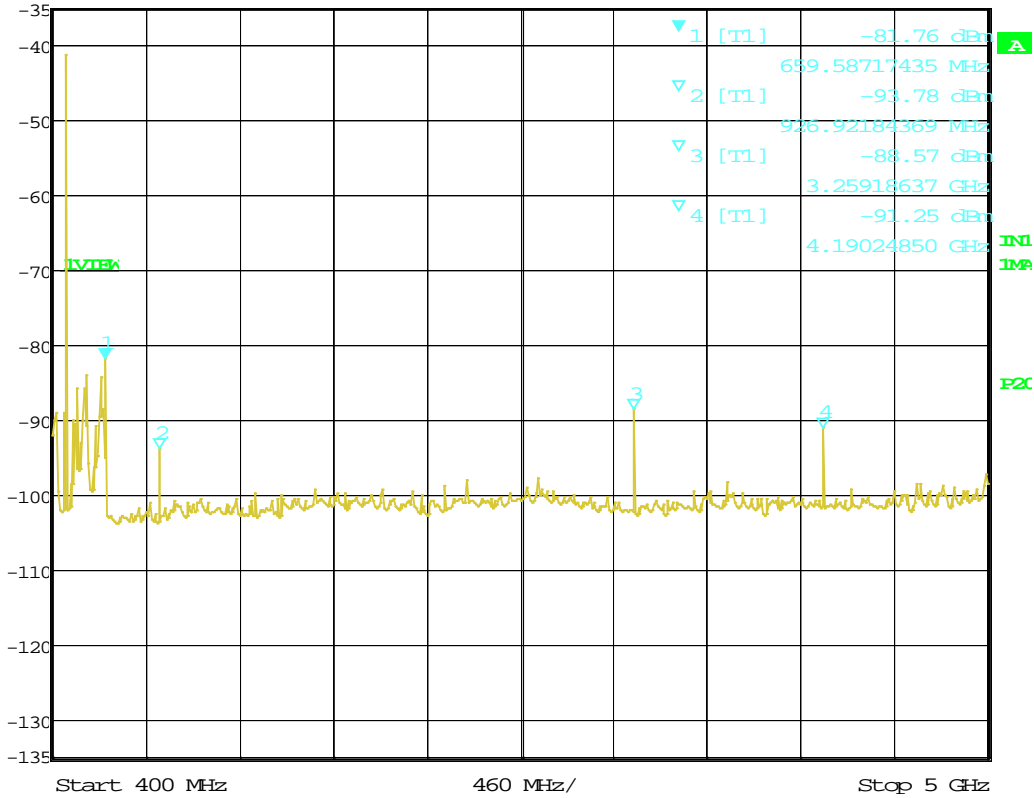
### Result: Meets Requirements

Applicant: RADIO ACTIVITY S.R.L  
 FCC ID: Y9M-KA450  
 Report: 2060UT18TestReport\_Rev1

## SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Test Data: 465.00000 MHz


 Marker 1 [T1] RBW 100 kHz RF Att 0 dB  
 Ref Lvl -35 dBm -81.76 dBm VBW 300 kHz  
 659.58717435 MHz SWT 1.2 s Unit dBm



Date: 1.JAN.1997 03:13:08

### Spurious Emission Calculation:

Marker	Frequency (MHz)	Measured Level (dBm)	Substitution Level (dBm)	Limit (dBm)	Margin (dB)
1	659.58	-81.76	-46.71	-20.00	26.710
2	926.92	-93.78	-58.73	-20.00	38.730
3	3259.18	-88.57	-53.52	-20.00	33.520
4	4190.20	-91.25	-56.20	-20.00	36.200

### Result: Meets Requirements

Applicant: RADIO ACTIVITY S.R.L  
 FCC ID: Y9M-KA450  
 Report: 2060UT18TestReport\_Rev1





## STATEMENT OF MEASUREMENT UNCERTAINTY

The data and results referenced in this document are true and accurate. The measurement uncertainty was calculated for all measurements listed in this test report according To CISPR 16-4 or ENTR 100-028 Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: “Uncertainty in EMC Measurements” and is documented in the Timco Engineering, Inc. quality system according to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Timco Engineering, Inc. is reported:

Test Items	Measurement Uncertainty	Notes
RF Frequency Accuracy	± 49.5 Hz	(1)
RF Conducted Power	±0.93dB	(1)
Conducted spurious emission of transmitter valid up to 40GHz	±1.86dB	
Occupied Bandwidth	±2.65%	
Radiated RF Power	±1.4dB	
Maximum frequency deviation: Within 300 Hz and 6kHz of audio freq.	±1.88%	
Within 6kHz and 25kHz of audio Freq.	±2.04%	

Notes: (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

## EMC EQUIPMENT LIST

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date
Coaxial Cable - BMBM-0072-00 Black	Times Wire	N/A	BMBM-0072-00	02/16/17	02/16/19
Coaxial Cable - BMBM-0061-01 RG400	Pasternack	PE3582LF-24	BMBM-0061-01	01/31/17	01/31/19
EMI Test Receiver R & S ESU 40 Chamber	Rohde & Schwarz	ESU 40	100320	09/07/18	09/07/20
Attenuator BNC 10dB DC-2G	MiniCircuits	HAT-10+	#54	07/14/17	07/14/19
Tunable Notch Filter 250-850 MHz	Eagle	TNF-200	250-850 MHz (#19)	11/19/17	11/19/19
Attenuator BNC 6dB 50Ohm DC-2G	Mini-Circuits	HAT-6+	#53	07/14/17	07/14/19
DC Power Supply	HP	6286A	1744A03842	N/A	N/A
Attenuator N 30dB 100W DC-6G	PASTERNAK	PE7214-30	#109	5/24/17	5/24/19

### \*EMI RECEIVER SOFTWARE VERSION

The receiver firmware used was version 4.43 Service Pack 3

**END OF TEST REPORT**