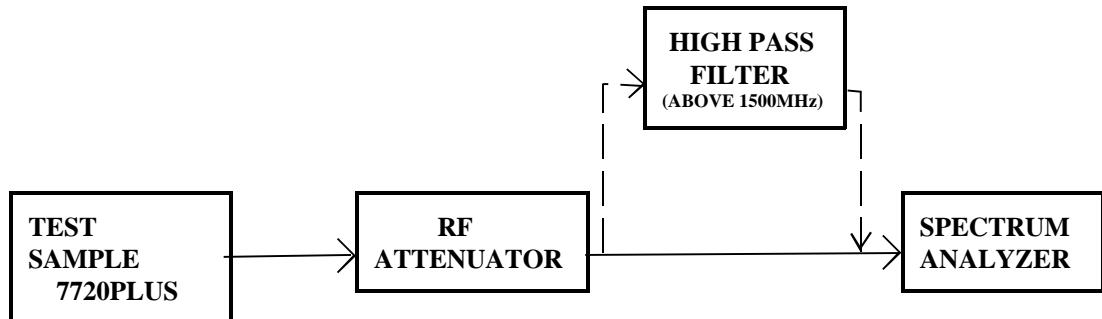


Spurious Emissions at the Antenna Terminal (§2.1051)

Measurement Procedure:

The RF output of the test sample was coupled to a spectrum analyzer through a 20dB attenuator. The test sample was then modulated as stated in the Occupied Bandwidth test. The frequency range was scanned from the lowest frequency generated by the test sample to the tenth harmonic of the fundamental. Plots were made of the spectrum analyzer displays. The limits for the spurious emission are calculated utilizing the measured Peak RF Envelope Power and the limits stated in §101.111(a)(6). Above 1500MHz, High Pass Filters were placed between the 20dB attenuator and the spectrum analyzer to ensure the measured responses were true and not due to the spectrum analyzer and the fundamental frequency. The spectrum analyzer was triggered by the 7720PLUS's V4 to ensure that the analyzer was sweeping during transmission. Due to analyzer Resolution Bandwidth /Sweep Time limitations and the 7720PLUS's RF transmission cycle timing, Page #2 is composed of two averaged plots of 100 transmissions each. All others plots are Peak Hold detected.

The test setup was as shown below.

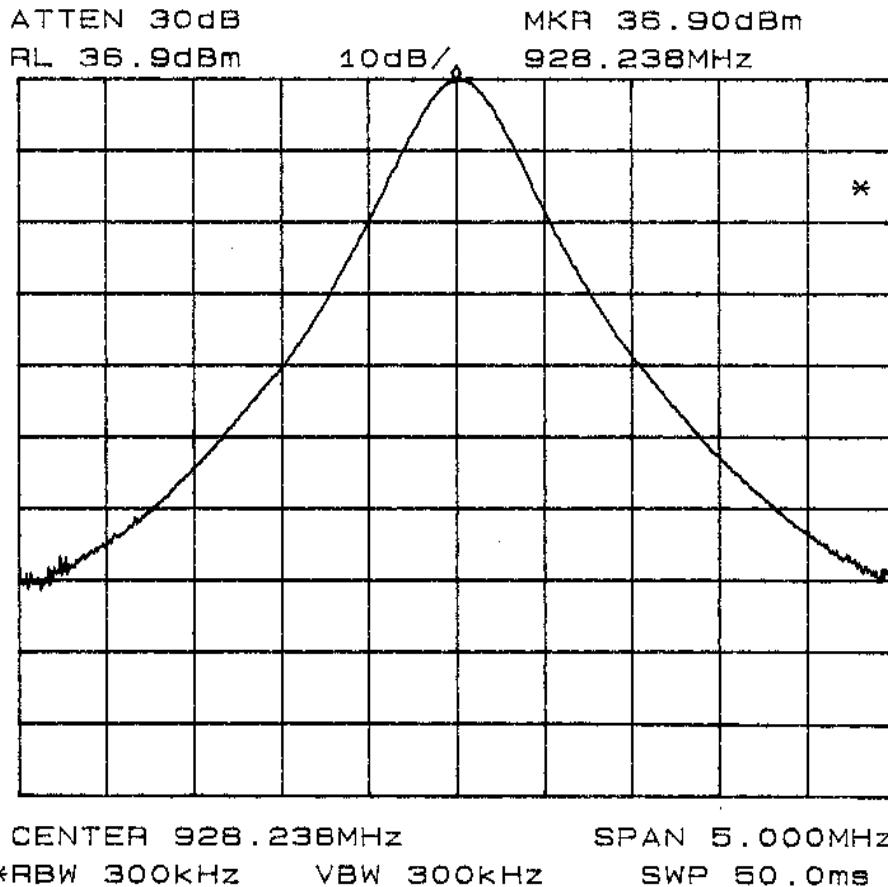


Test Results:

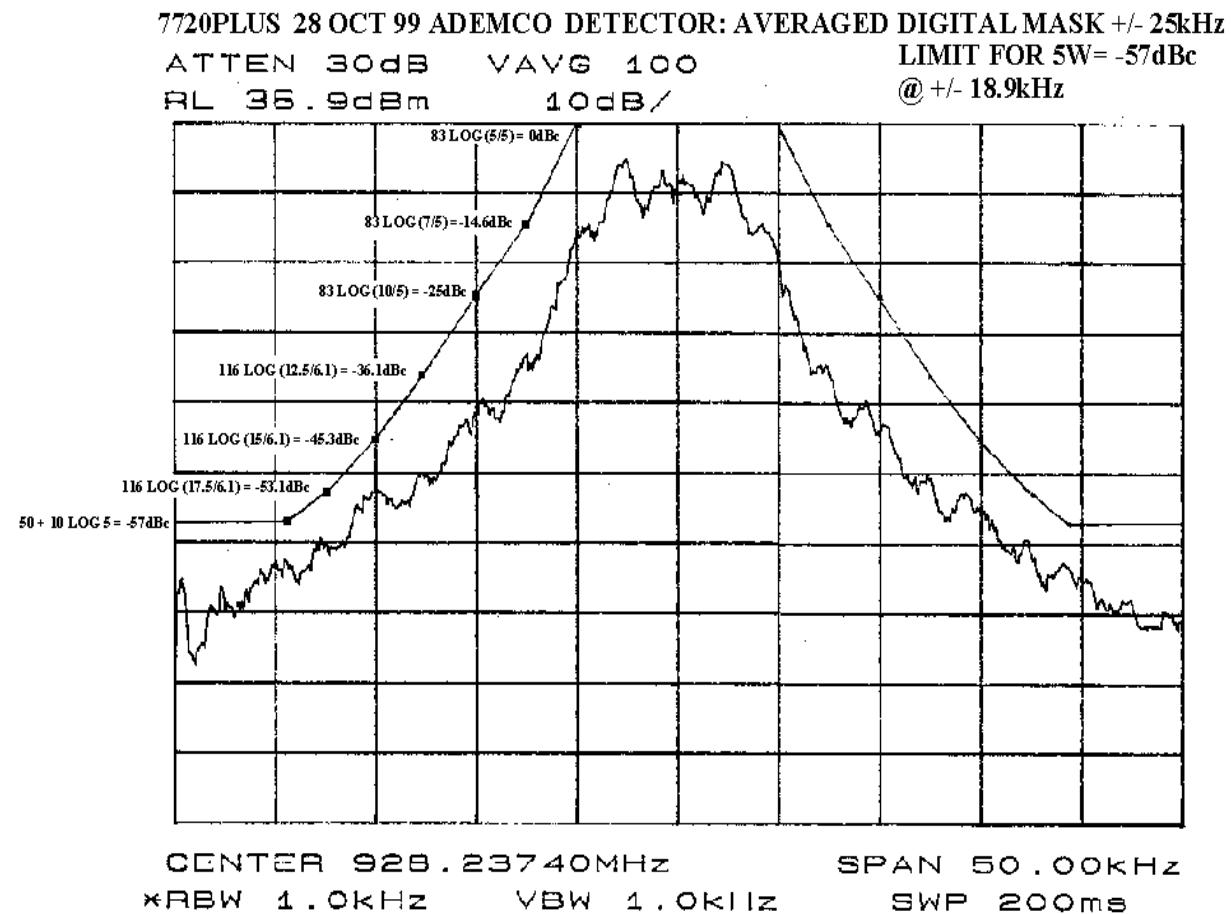
The results for the above test are shown on the following sheets.

TEST METHOD:	SPURIOUS EMISSIONS AT THE ANTENNA TERMINAL (§2.1051)	
TEST SAMPLE:	INTEGRATED RADIO TRANSMITTER	
MODEL No:	7720PLUS	SERIAL No: NA
TEST SPECS:	FCC RULES & REGULATIONS, §101.111(a)(6)	
OPERATING MODE:	TRANSMITTING	
TESTED BY:	T. MOTT	DATE: OCTOBER 28, 1999

7720PLUS 28OCT99 ADEMCO DETECTOR: PEAK HOLD PEAK POWER RF ENVELOPE
FOR REFERENCE LEVEL
36.9dBm = 0dBc



TEST METHOD:	SPURIOUS EMISSIONS AT THE ANTENNA TERMINAL (\$2.1051)	
TEST SAMPLE:	INTEGRATED RADIO TRANSMITTER	
MODEL No:	7720PLUS	SERIAL No: NA
TEST SPECS:	FCCRULES AND REGULATIONS, §101.111(a)(6)	
OPERATING MODE:	POWER ON, TRANSMITTING	
TESTED BY:	T. MOTT	DATE: OCTOBER 28, 1999



SPURIOUS EMISSIONS AT THE TEST SAMPLES ANTENNA TERMINAL DO NOT EXCEED THE SPECIFIED LIMITS.

TEST METHOD: **SPURIOUS EMISSIONS AT THE ANTENNA TERMINAL (§2.1051)**

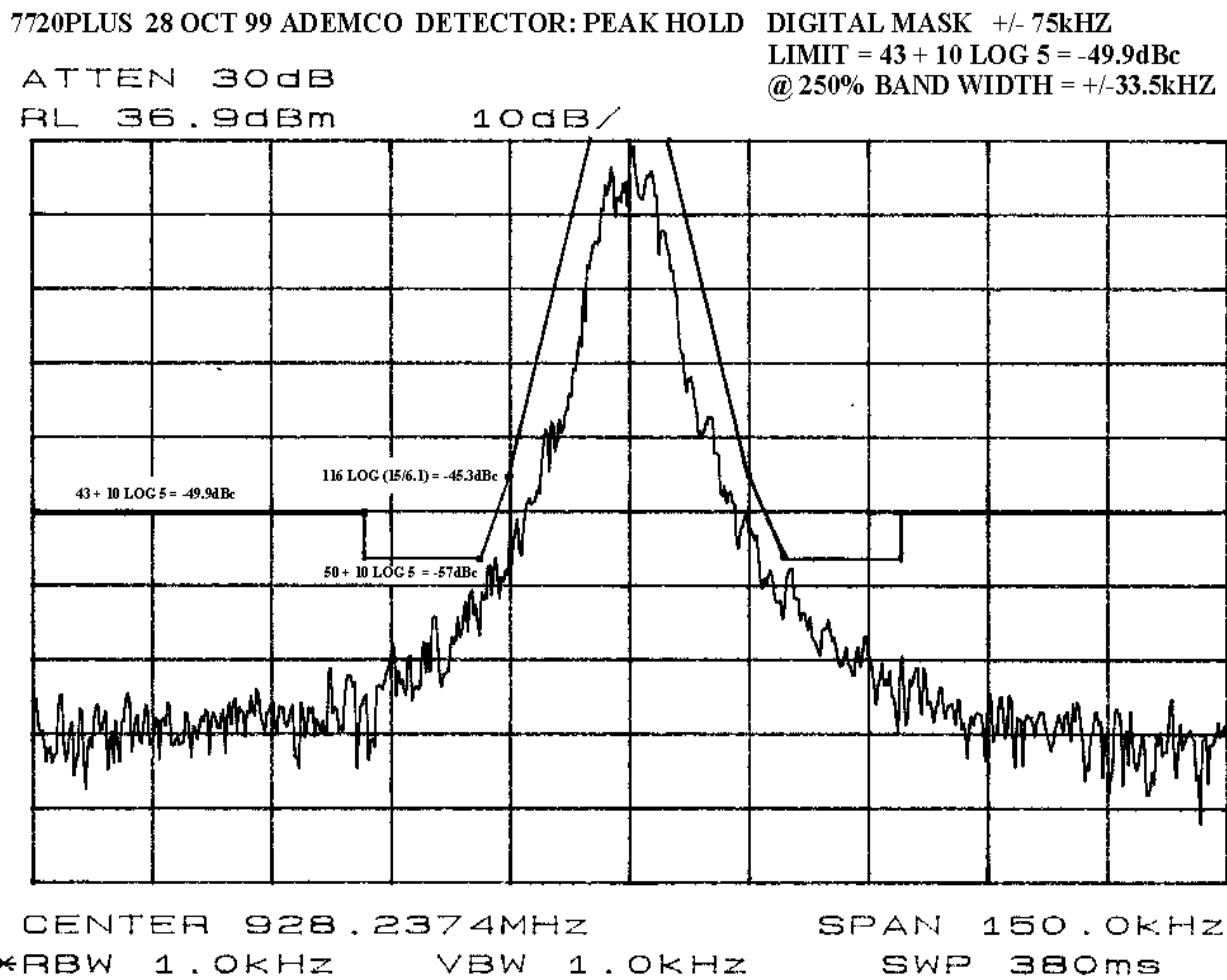
TEST SAMPLE: **INTEGRATED RADIO TRANSMITTER**

MODEL No: **7720PLUS** SERIAL No: **NA**

TEST SPECS: **FCC RULES & REGULATIONS, §101.111(a)(6)**

OPERATING MODE: **TRANSMITTING**

TESTED BY: **T.MOTT** DATE: **OCTOBER 28,1999**



SPURIOUS EMISSIONS AT THE TEST SAMPLE ANTENNA TERMINAL DO NOT EXCEED THE SPECIFIED LIMIT.

TEST METHOD: **SPURIOUS EMISSIONS AT THE ANTENNA TERMINAL (§2.1051)**

TEST SAMPLE: **INTEGRATED RADIO TRANSMITTER**

MODEL No: **7720PLUS** SERIAL No: **NA**

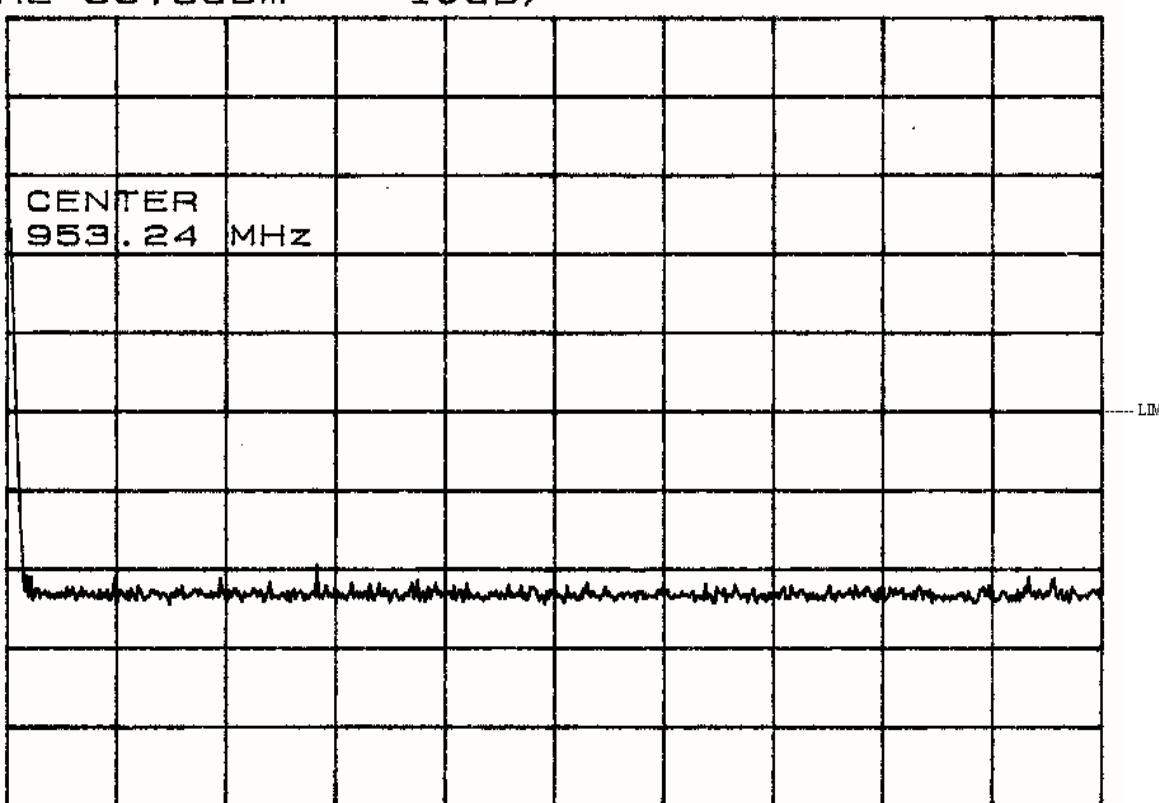
TEST SPECS: **FCC PART 101.111 (6)**

OPERATING MODE: **TRANSMITTING**

TESTED BY: **T.MOTT** DATE: **OCTOBER 28, 1999**

7720PLUS 1 NOV 99 ADEMCO DETECTOR: PEAK HOLD SPURIOUS RESPONSE AT THE
ATTEN 30dB
RL 36.9dBm 10dB/

ANTENNA TERMINAL $F_0 + 50\text{MHz}$
LIMIT = $43 + 10 \log (5) = -49.9\text{dBc}$

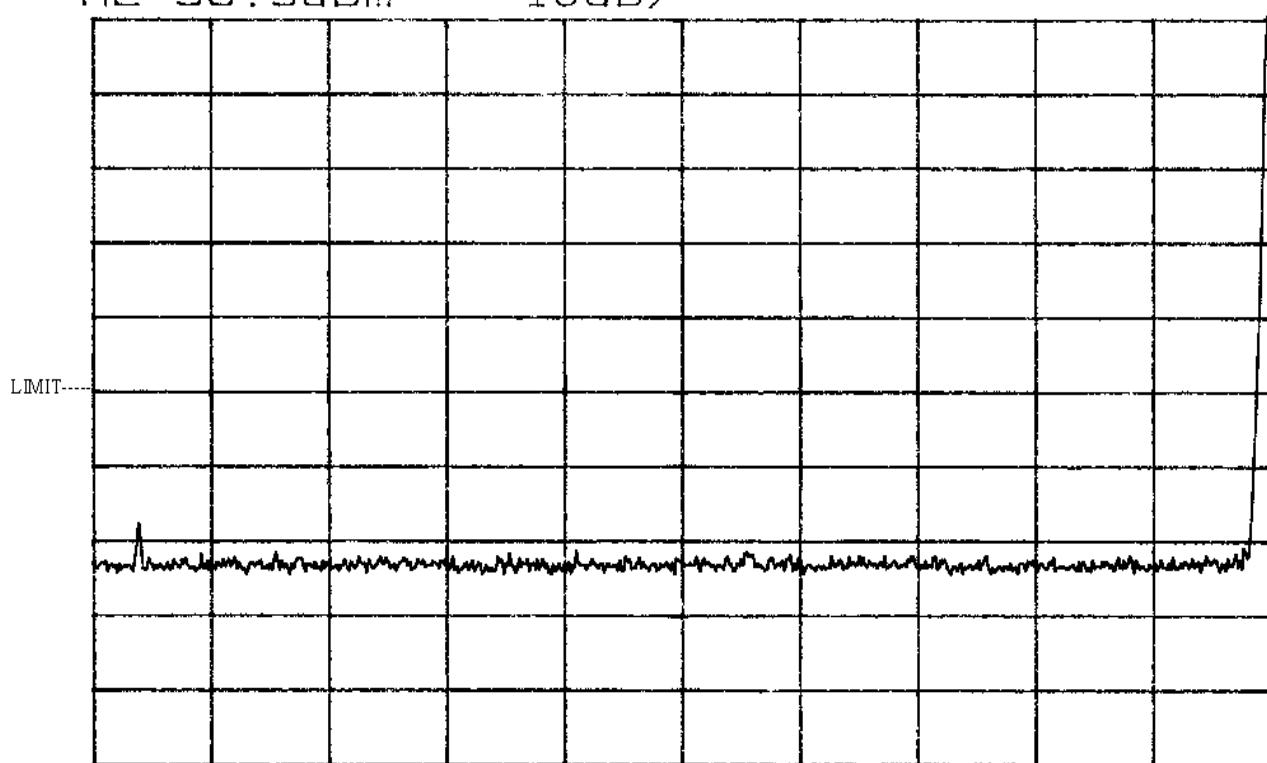


CENTER 953.24MHz SPAN 50.00MHz
*RBW 100kHz VBW 100kHz SWP 50.0ms

SPURIOUS EMISSIONS AT THE TEST SAMPLES ANTENNA TERMINAL DO NOT EXCEED THE SPECIFIED LIMIT.

TEST METHOD:	SPURIOUS EMISSIONS AT THE ANTENNA TERMINAL (\$2.1051)	
TEST SAMPLE:	INTEGRATED RADIO TRANSMITTER	
MODEL No:	7720PLUS	SERIAL No: NA
TEST SPECS:	FCC RULES & REGULATIONS, §101.111(a)(6)	
OPERATING MODE:	TRANSMITTING	
TESTED BY:	T. MOTT	DATE: OCTOBER 28, 1999

**7720PLUS 28 OCT 99 ADEMCO DETECTOR: PEAK HOLD SPURIOUS RESPONSE AT THE
ATTEN 30dB ANTENNA TERMINAL F0-50MHz
RL 36.9dBm LIMIT =-49.9dBc
10dB/**

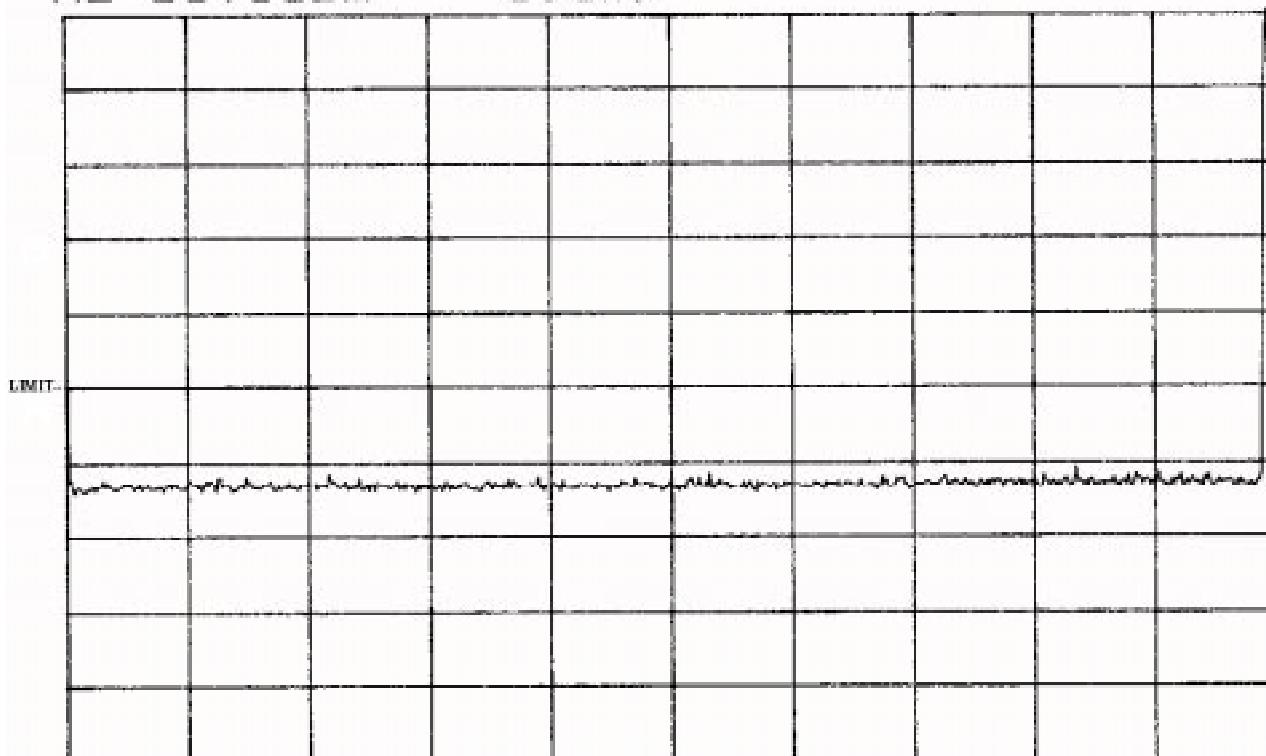


**CENTER 903.24MHz SPAN 50.00MHz
*RBW 100kHz VBW 100kHz SWP 50.0ms**

SPURIOUS EMISSIONS AT THE TEST SAMPLES ANTENNA TERMINAL DO NOT EXCEED THE SPECIFIED LIMIT.

TEST METHOD:	SPURIOUS EMISSIONS AT THE ANTENNA TERMINAL (§2.1051)	
TEST SAMPLE:	INTEGRATED RADIO TRANSMITTER	
MODEL No:	7720PLUS	SERIAL No: NA
TEST SPECS:	FCC RULES & REGULATIONS, §101.111(a)(6)	
OPERATING MODE:	TRANSMITTING	
TESTED BY:	T. MOTT	DATE: NOVEMBER 1, 1999

**7720PLUS 1 NOV 99 ADEMCO DETECTOR: PEAK HOLD SPURIOUS RESPONSE AT THE
ATTEN 30dB ANTENNA TERMINAL 0 TO 928MHz
RL 36.9dBm 10dB/ LIMIT = -49.9dBc**

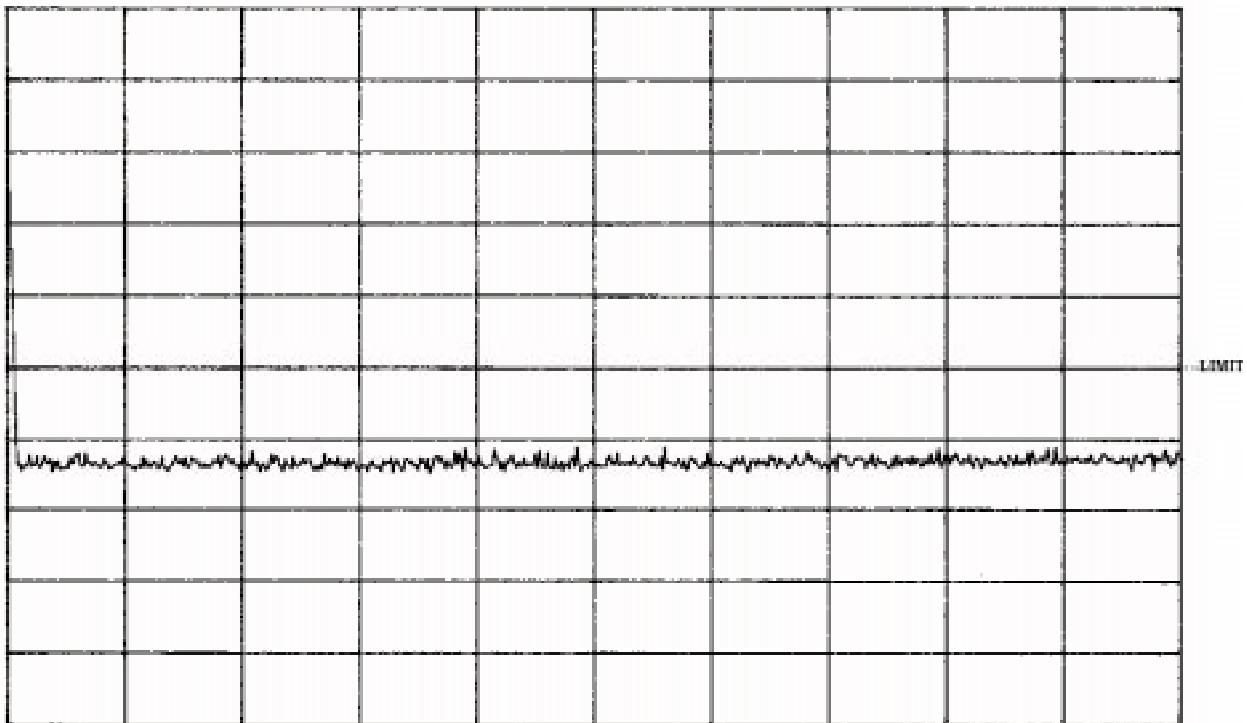


START 0Hz STOP 928.0MHz
*RBW 1.0MHz VBW 1.0MHz SWP 50.0ms

SPURIOUS EMISSIONS AT THE TEST SAMPLES ANTENNA TERMINAL DO NOT EXCEED THE SPECIFIED LIMIT.

TEST METHOD:	SPURIOUS EMISSIONS AT THE ANTENNA TERMINAL	
TEST SAMPLE:	INTEGRATED RADIO TRANSMITTER	
MODEL No:	7720PLUS	SERIAL No: NA
TEST SPECS:	FCC RULES & REGULATIONS, §101.111(a)(6)	
OPERATING MODE:	TRANSMITTING	
TESTED BY:	T. MOTT	DATE: NOVEMBER 1, 1999

7720PLUS 1NOV99 ADEMCO DETECTOR: PEAK HOLD SPURIOUS RESPONSE AT THE
ATTEN 30dB ANTENNA TERMINAL 0.928 TO 1.5GHz
RL 36.9dBm 10dB/ LIMIT = -49.9dBc



START 928.0MHz STOP 1.5000GHz
*RBW 1.0MHz VBW 1.0MHz SWP 50.0ms

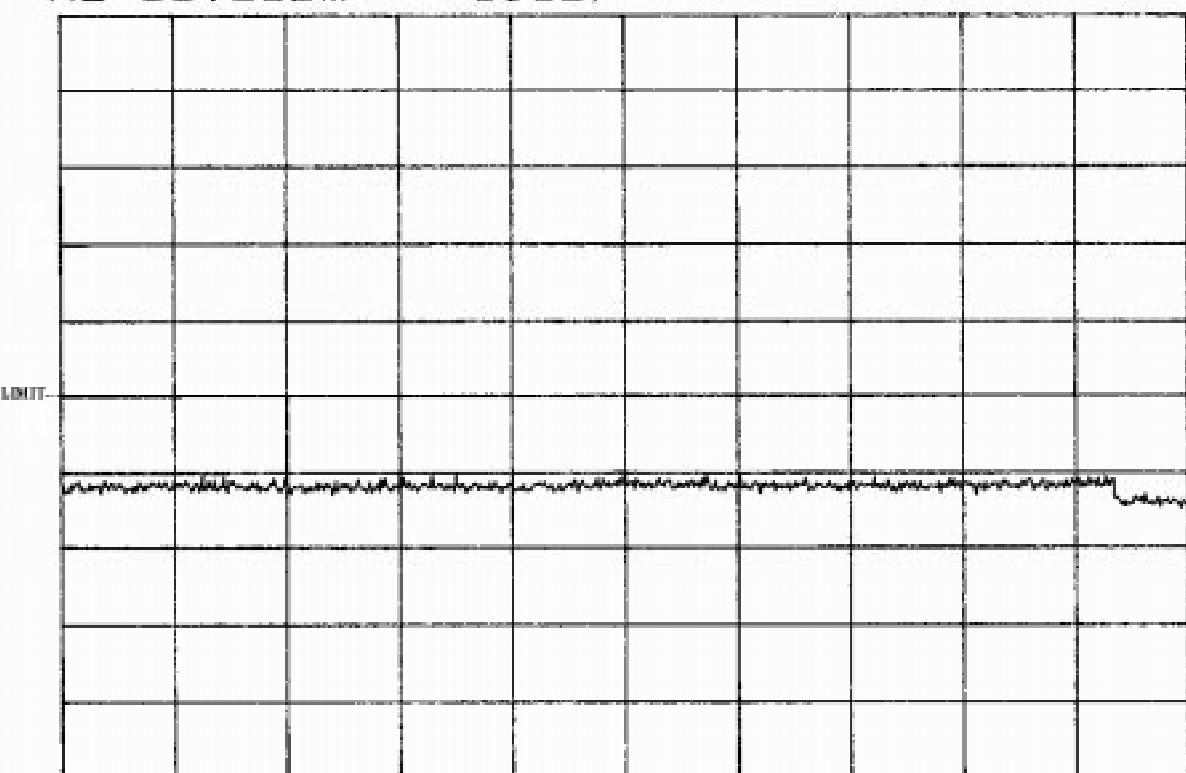
SPURIOUS EMISSIONS AT THE TEST SAMPLES ANTENNA TERMINAL DO NOT EXCEED THE SPECIFIED LIMIT.



ALARM DEVICE MANUFACTURING COMPANY
160 Eileen Way Syosset, NY 11791

TEST METHOD:	SPURIOUS EMISSIONS AT THE ANTENNA TERMINAL (§2.1051)		
TEST SAMPLE:	INTEGRATED RADIO TRANSMITTER		
MODEL No:	7720PLUS	SERIAL No:	NA
TEST SPECS:	FCC RULES & REGULATIONS, §101.111(a)(6)		
OPERATING MODE:	TRANSMITTING		
TESTED BY:	T. MOTT	DATE:	NOVEMBER 1, 1999

7720PLUS 1NOV99 ADEMCO DETECTOR: PEAK HOLD SPURIOUS RESPONSE AT THE
ATTEN 30dB ANTENNA TERMINAL 1.5 TO 3.0GHz
BL 36 dBm LIMIT = -49.9dBc



START 1.500GHz STOP 3.000GHz
*RBW 1.0MHz VBW 1.0MHz SWP 50.0ms

SPURIOUS EMISSIONS AT THE TEST SAMPLES ANTENNA TERMINAL DO NOT EXCEED THE SPECIFIED LIMIT.

TEST METHOD:	SPURIOUS EMISSIONS AT THE ANTENNA TERMINAL (\$2.1051)	
TEST SAMPLE:	INTEGRATED RADIO TRANSMITTER	
MODEL No:	7720PLUS	SERIAL No: NA
TEST SPECS:	FCC RULES & REGULATIONS, §101.111(a)(6)	
OPERATING MODE:	TRANSMITTING	
TESTED BY:	T. MOTT	DATE: NOVEMBER 1, 1999

7720PLUS 1NOV99 ADEMCO DETECTOR: PEAK HOLD

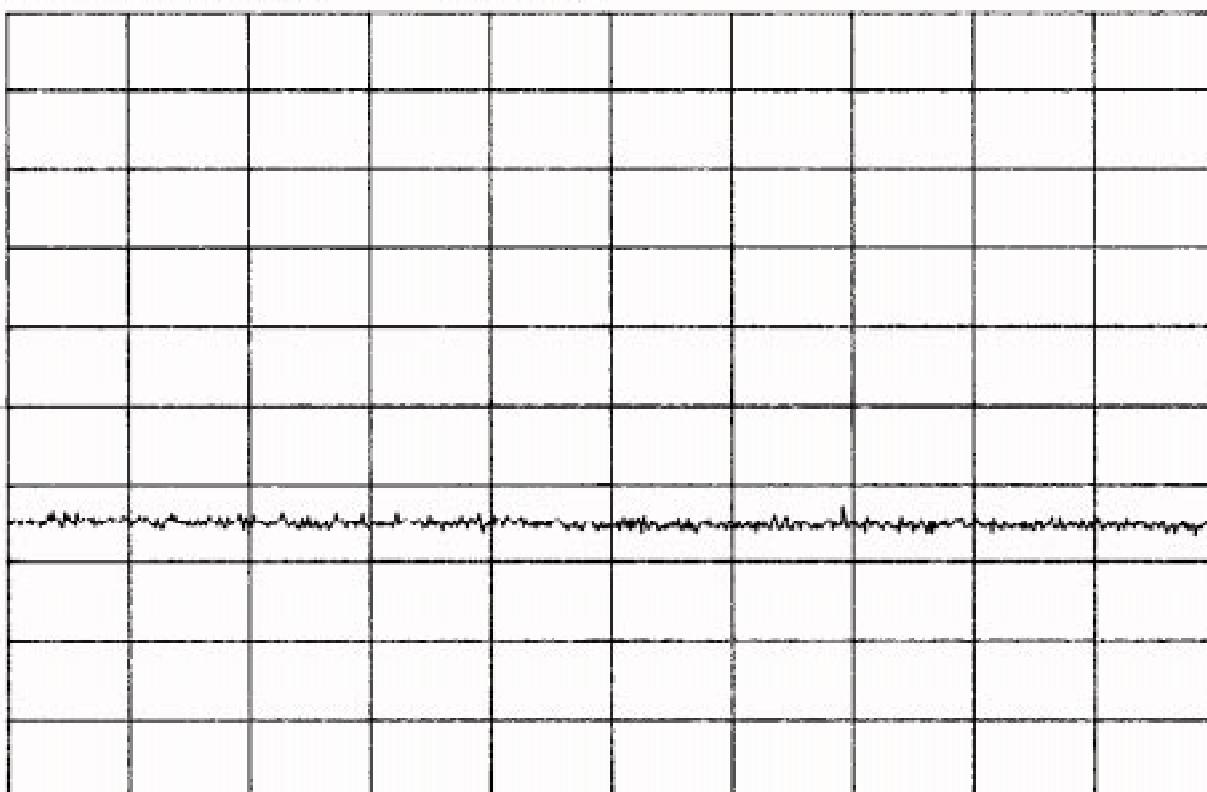
ATTEN 30dB

RL 36.9dBm

10dB /

SPURIOUS RESPONSE AT THE
ANTENNA TERMINAL 3.0 TO 4.0GHz
LIMIT = -49.9dBc

LIMIT



START 3.000GHz

STOP 4.000GHz

*RBW 1.0MHz

VBW 1.0MHz

SWP 50.0ms

SPURIOUS EMISSIONS AT THE TEST SAMPLES ANTENNA TERMINAL DO NOT EXCEED THE SPECIFIED LIMIT.

TEST METHOD:	SPURIOUS EMISSIONS AT THE ANTENNA TERMINAL (§2.1051)	
TEST SAMPLE:	INTEGRATED RADIO TRANSMITTER	
MODEL No:	7720PLUS	SERIAL No: NA
TEST SPECS:	FCC RULES & REGULATIONS, §101.111(a)(6)	
OPERATING MODE:	TRANSMITTING	
TESTED BY:	T. MOTT	DATE: NOVEMBER 1, 1999

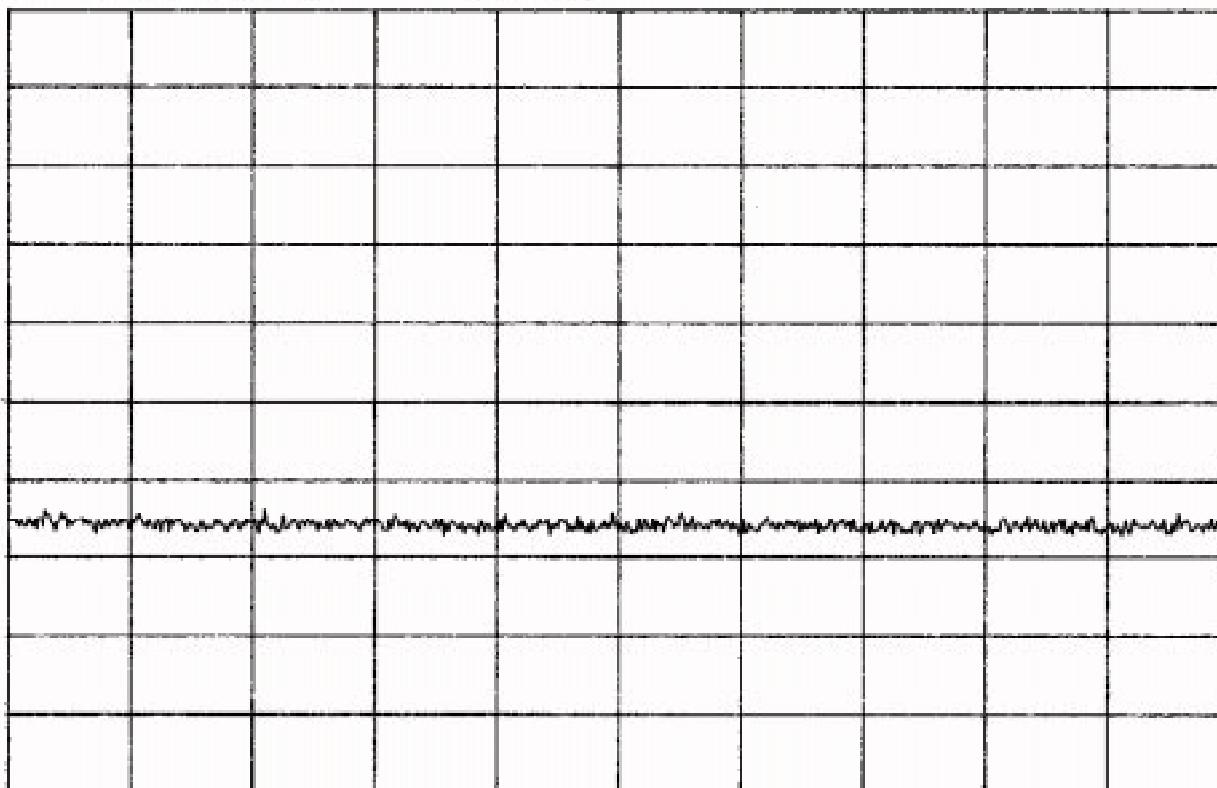
7720PLUS 1NOV99 ADEMCO DETECTOR: PEAK HOLD

ATTEN 30 dB

RL 36.9dBm 10dB/

**SPURIOUS RESPONSE AT THE
ANTENNA TERMINAL 4.0 TO 6.0GHz
LIMIT = -49.9dBc**

LIMIT



START 4.000GHz

STOP 6.000GHz

***RBW 1.0MHz**

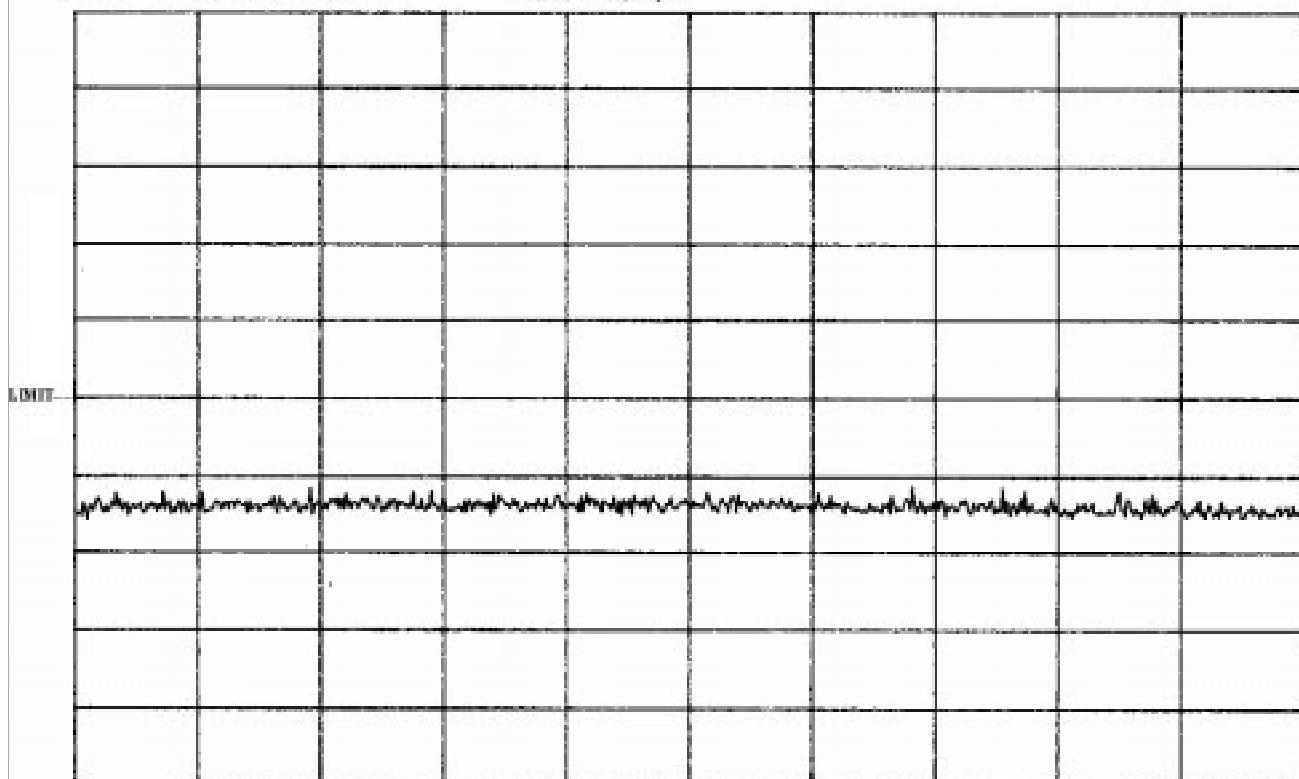
VBW 1.0MHz

SWP 50.0ms

SPURIOUS EMISSIONS AT THE TEST SAMPLES ANTENNA TERMINAL DO NOT EXCEED THE SPECIFIED LIMIT.

TEST METHOD:	SPURIOUS EMISSIONS AT THE ANTENNA TERMINAL (\$2.1051)	
TEST SAMPLE:	INTEGRATED RADIO TRANSMITTER	
MODEL No:	7720PLUS	SERIAL No: NA
TEST SPECS:	FCC RULES & REGULATIONS, §101.111(a)(6)	
OPERATING MODE:	TRANSMITTING	
TESTED BY:	T. MOTT	DATE: NOVEMBER 1, 1999

7720PLUS 1NOV99 ADEMCO DETECTOR: PEAK HOLD SPURIOUS RESPONSE AT THE
ATTEN 30dB ANTENNA TERMINAL 6.0 TO 8.0GHz
RL 36.9dBm LIMIT = -49.9dBc



START 6.000GHz

STOP 8.000GHz

*RBW 1.0MHz

VBW 1.0MHz

SWP 50.0ms

SPURIOUS EMISSIONS AT THE TEST SAMPLES ANTENNA TERMINAL DO NOT EXCEED THE SPECIFIED LIMIT.

TEST METHOD:

SPURIOUS EMISSIONS AT THE ANTENNA TERMINAL (§2.1051)

TEST SAMPLE:

INTEGRATED RADIO TRANSMITTER

MODEL No:

7720PLUS

SERIAL No:

NA

TEST SPECS:

FCC RULES & REGULATIONS, §101.111(a)(6)

OPERATING MODE:

TRANSMITTING

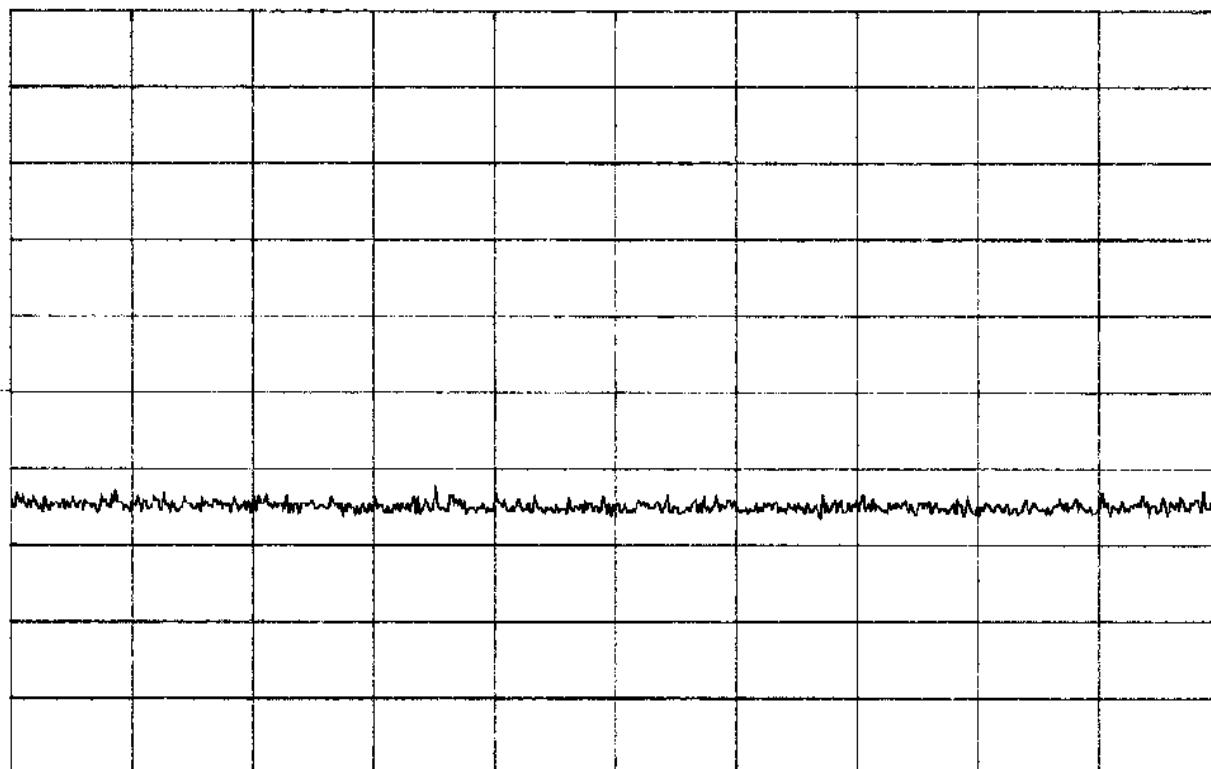
TESTED BY:

T. MOTTDATE: **NOVEMBER 1, 1999**

**7720PLUS 1NOV99 ADEMCO DETECTOR: PEAK HOLD SPURIOUS RESPONSE AT THE
ANTENNA TERMINAL 8.0 TO 10.0GHz**

ATTEN 30dB**RL 36.9dBm****10dB/****LIMIT = -49.9dBc**

LIMIT

**START 8.000GHz****STOP 10.000GHz*****RBW 1.0MHz****VBW 1.0MHz****SWP 50.0ms****SPURIOUS EMISSIONS AT THE TEST SAMPLES ANTENNA TERMINAL DO NOT EXCEED THE SPECIFIED LIMIT.**