



Flom Test Labs
EMI, EMC, RF Testing Experts Since 1963

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Name of Test: Field Strength of Spurious Radiation

Measurement Results

g06c0001: 2006-Dec-04 Mon 08:44:00

STATE: 2:High Power

Ambient Temperature: 23°C ± 3°C

Frequency Tuned, MHz	Frequency Emission, MHz	ERP, dBm	ERP, dBc
455.000000	455.000000	37.4	
455.000000	910.014999	-35.2	
455.000000	1365.010000	-37.1	
455.000000	1820.001250	-33.3	
455.000000	2275.131250	-47.1	
455.000000	2730.261250	-44.8	
455.000000	3185.910000	-48.1	
455.000000	3641.040000	-51.1	
455.000000	4096.170000	-49.1	

Performed by:

Michael D. wyman

Name of Test: Emission Masks (Occupied Bandwidth)

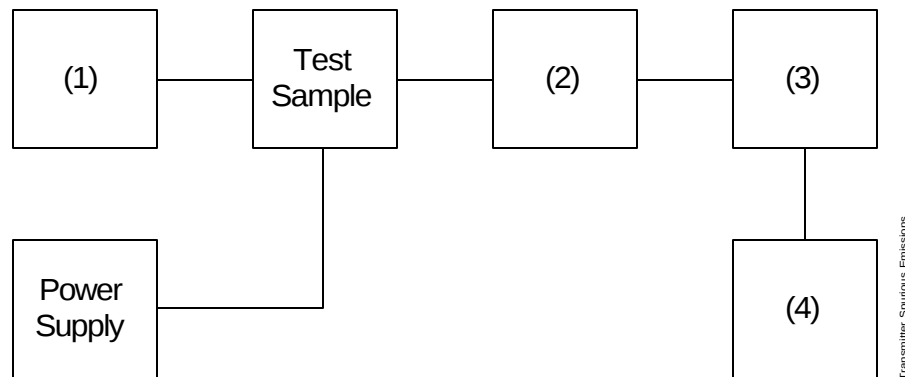
Specification : 47 CFR 2.1049(c)(1)

Guide: ANSI/TIA/EIA-603-1992, Paragraph 2.2.11

Measurement Procedure

- A) The EUT and test equipment were set up as shown below
- B) For EUTs supporting audio modulation, the audio signal generator was adjusted to the frequency of maximum response and with output level set for $\pm 2.5/\pm 1.25$ kHz deviation (or 50% modulation). With level constant, the signal level was increased 16 dB.
- C) For EUTs supporting digital modulation, the digital modulation mode was operated to its maximum extent.
- D) The Occupied Bandwidth was measured with the Spectrum Analyzer controls set as shown on the test results.

Transmitter Test Set-Up: Occupied Bandwidth



Asset	Description	s/n	Cycle	Last Cal
(1) Audio Oscillator/Generator				
X i00324	HP 8903B Modulation Meter	3011A09079	12 mo.	Oct-06
(2) Coaxial Attenuator				
X i00231/2	PASTERNAK PE7021-30 (30 dB)	231 or 232	N/A	NCR
i00123	NARDA 766 (10 dB)	7802A	N/A	NCR
(3) Interface				
X i00021	HP 8954A Transceiver Interface	2146A00159	N/A	NCR
(4) Spectrum Analyzer				
X i00048	HP 8566B Spectrum Analyzer	2511A01467	12 mo.	Aug-06
i00029	HP 8563E Spectrum Analyzer	3213A00104	12 mo.	Jan-06

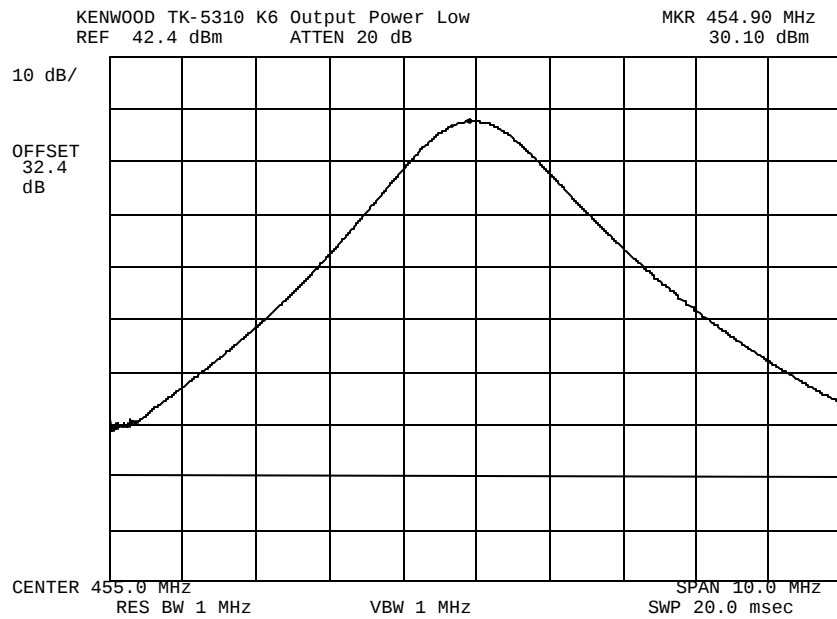
Name of Test: RF Output Power

Measurement Results

g06c0005: 2006-Dec-06 Wed 10:42:00

State: 1:Low Power

Ambient Temperature: 23°C ± 3°C



Power:
Modulation:

Low
NONE
OUTPUT POWER 30.1 dBm

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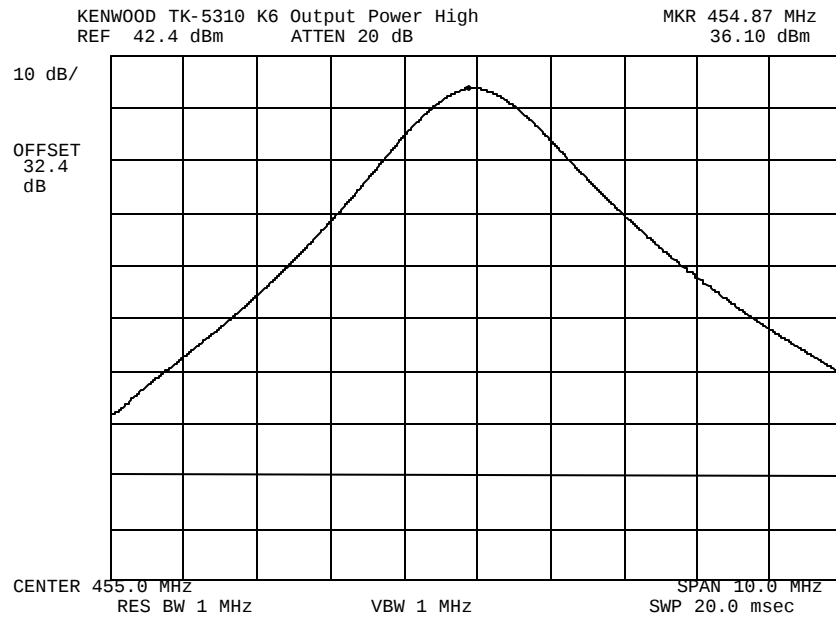
Name of Test: RF Output Power

Measurement Results

g06c0006: 2006-Dec-06 Wed 10:43:00

State: 2:High Power

Ambient Temperature: 23°C ± 3°C



Power:
Modulation:

High
NONE
OUTPUT POWER 36.1 dBm

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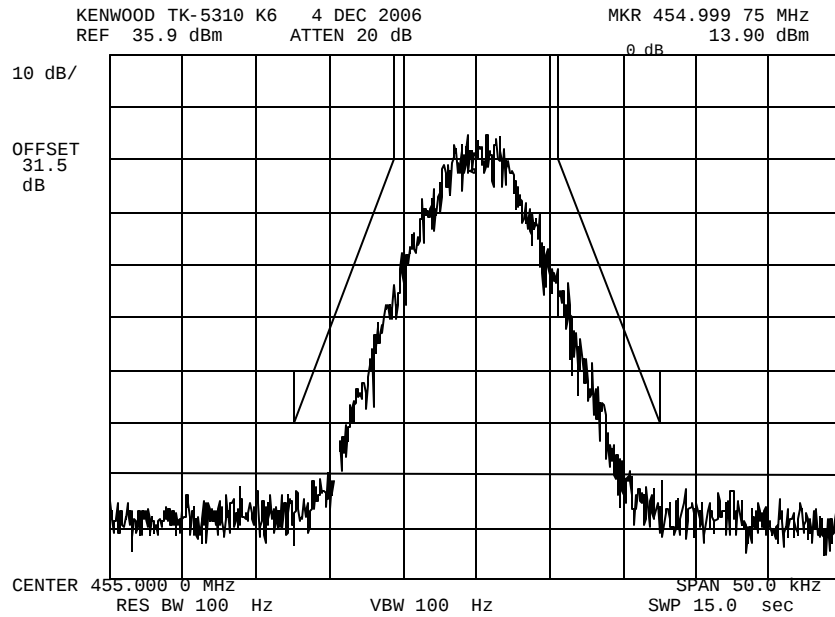
Name of Test: Emission Masks (Occupied Bandwidth)

Measurement Results

g06c0003: 2006-Dec-04 Mon 16:43:00

State: 1:Low Power

Ambient Temperature: 23°C ± 3°C



Power:

Low

Modulation:

12R500F1D

MASK: D, VHF/UHF 12.5kHz BW

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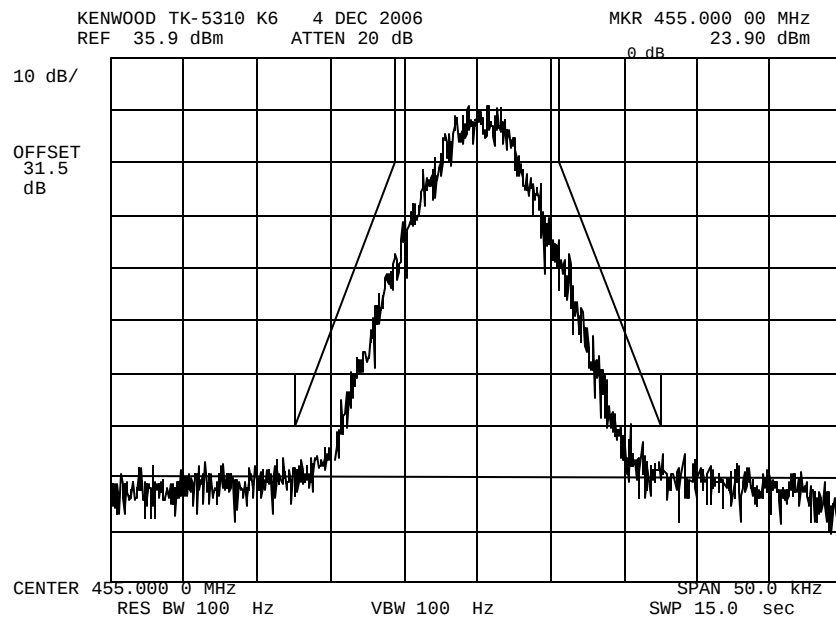
Name of Test: Emission Masks (Occupied Bandwidth)

Measurement Results

g06c0002: 2006-Dec-04 Mon 16:39:00

State: 2:High Power

Ambient Temperature: 23°C ± 3°C



Power:

Modulation:

High

12R500F1D

MASK: D, VHF/UHF 12.5kHz BW

Michael D Wyman

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