

MEASUREMENT PROCEDURE

Subpart 2.1049 and 24.133

BANDWIDTH OF FUNDAMENTAL EMISSION UNDER MODULATION

The following test was performed by Stephen Makk & Associates, Inc. The EUT was modulated by a 2.4 kHz peak deviation with 3.2 kHz modulation frequency. The data for this measurement is shown in Figures 3A through 3L and the emission mask applied in 3M & 3N.

FCC Minimum Standard

From authorized bandwidth by a displacement frequency (f_d in kHz) of up to and including 40 kHz

at least $116 \log_{10} ((f_d + 10)/6.1)$ dB or $50 + 10 \log_{10} (P)$ dB
or 70 dB whichever is lesser attenuation

> 40 kHz

$43 + 10 \log_{10} (P)$ dB

or 80 dB whichever is lesser attenuation

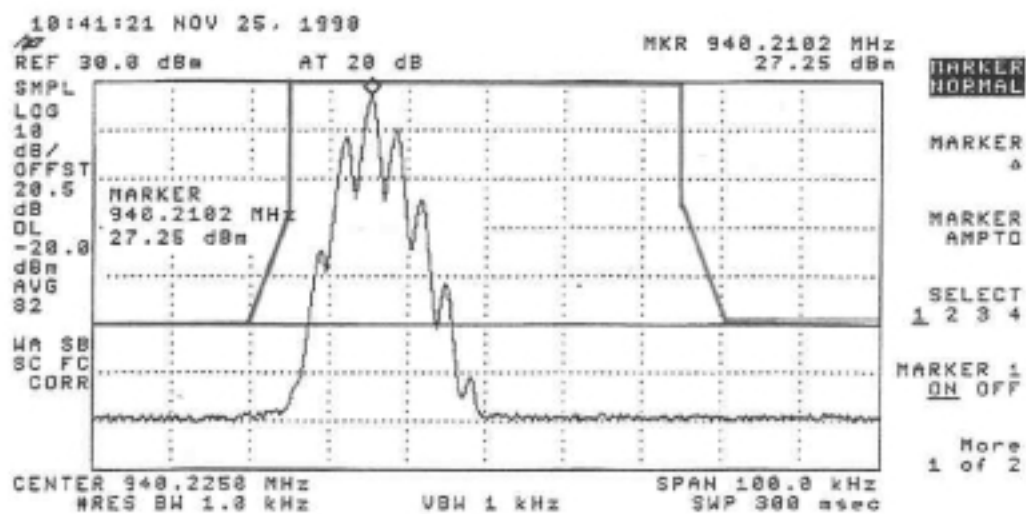


Figure 3B
Occupied Bandwidth Single Carrier (940.220 MHz)

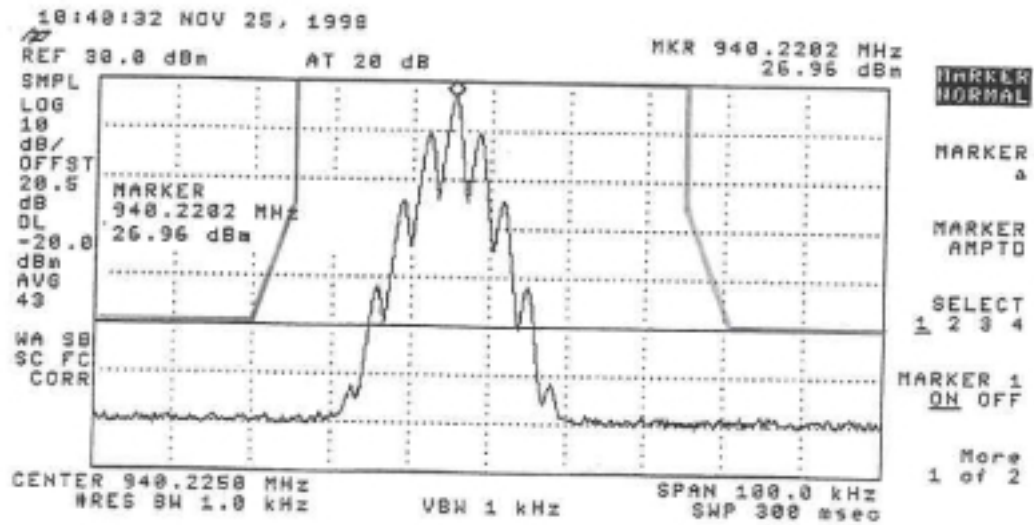


Figure 3C
Occupied Bandwidth Single Carrier (940.230 MHz)

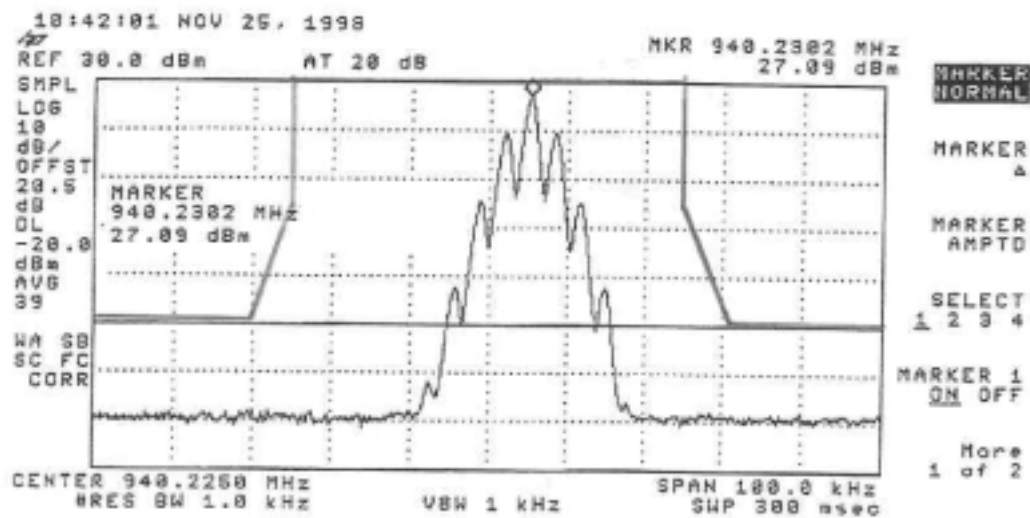


Figure 3D
Occupied Bandwidth Single Carrier (940.240 MHz)

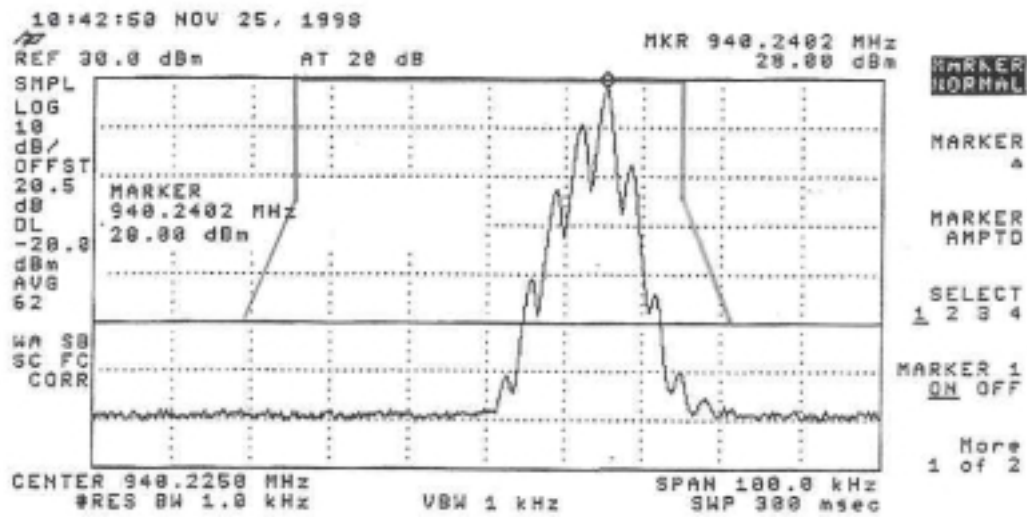


Figure 3E
Occupied Bandwidth Two Carriers (940.210 & 940.220 MHz)

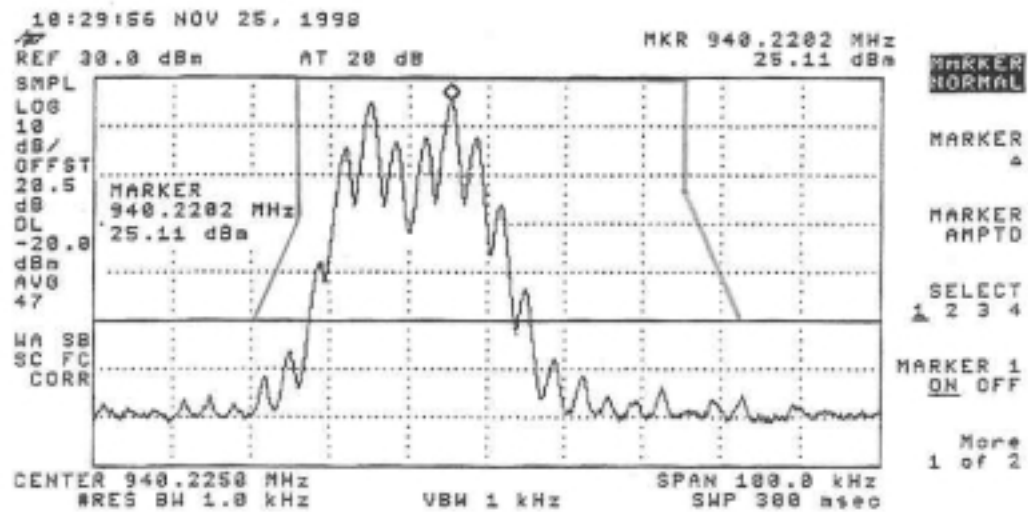


Figure 3F
Occupied Bandwidth Two Carriers (940.210 & 940.230 MHz)

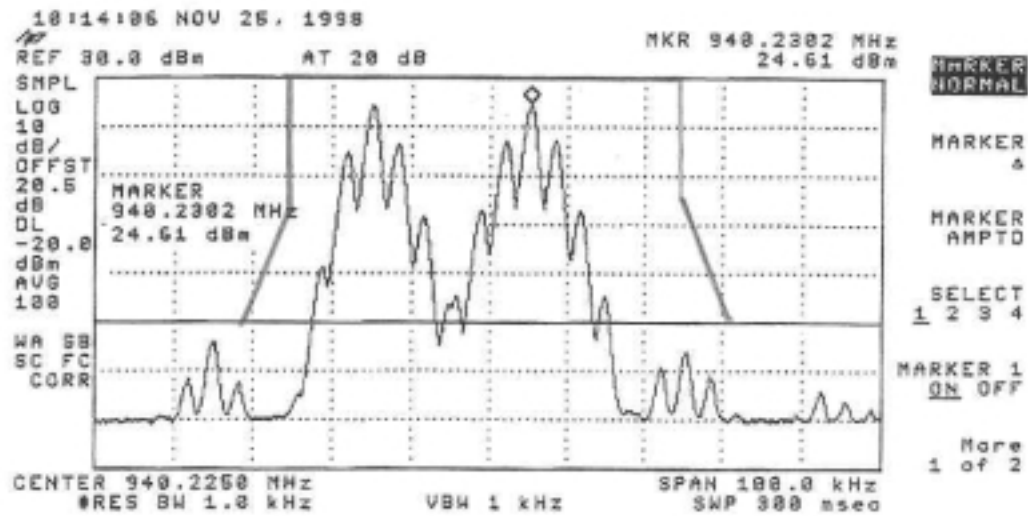


Figure 3G
Occupied Bandwidth Two Carriers (940.210 & 940.240 MHz)

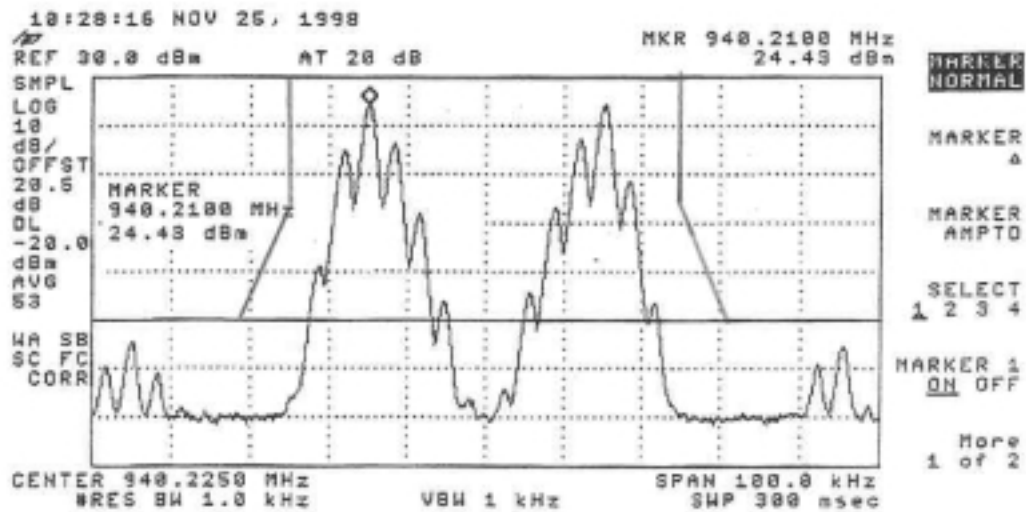


Figure 3H
Occupied Bandwidth Two Carriers (940.220 & 940.230 MHz)

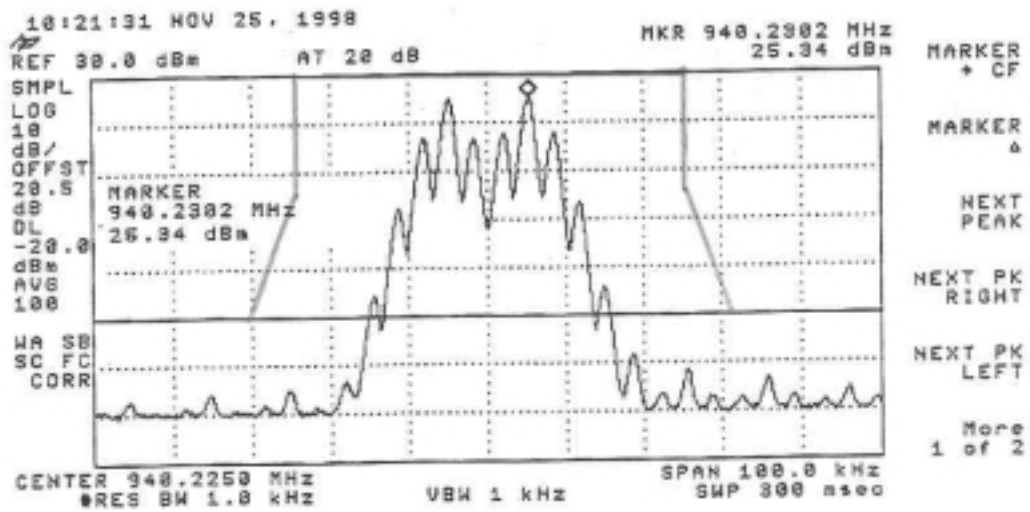


Figure 3l
Occupied Bandwidth Two Carriers (940.220 & 940.240 MHz)

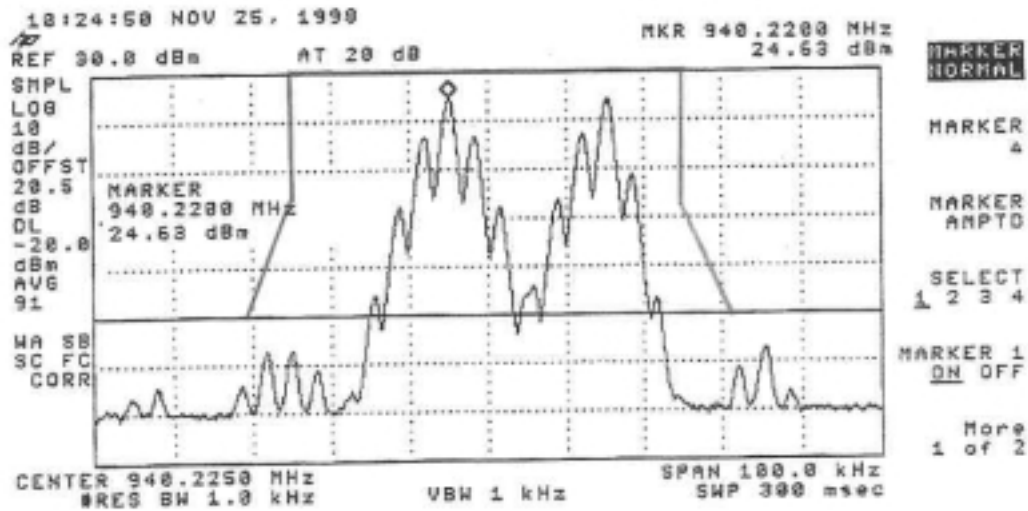


Figure 3J
Occupied Bandwidth Two Carriers (940.230 & 940.240 MHz)

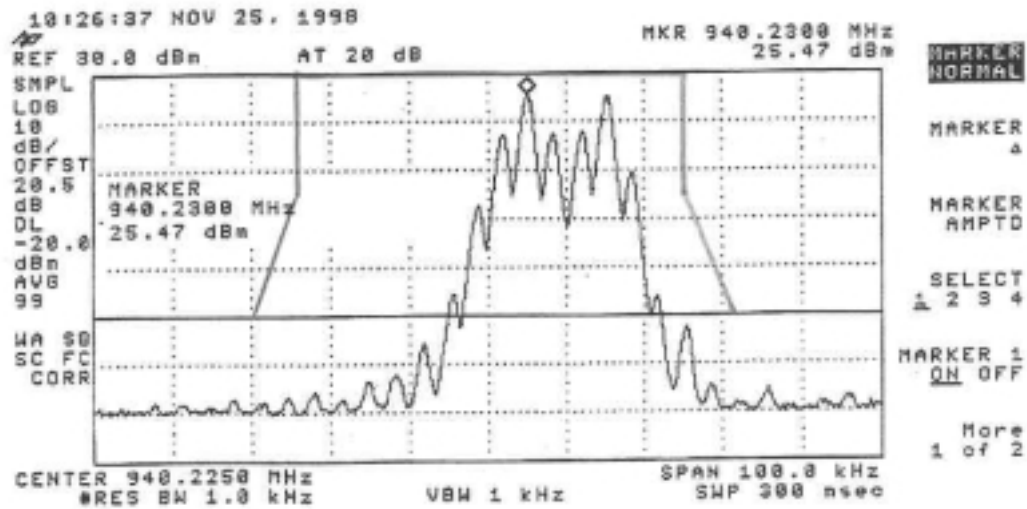


Figure 3K
Occupied Bandwidth Four Carriers (100 kHz span)

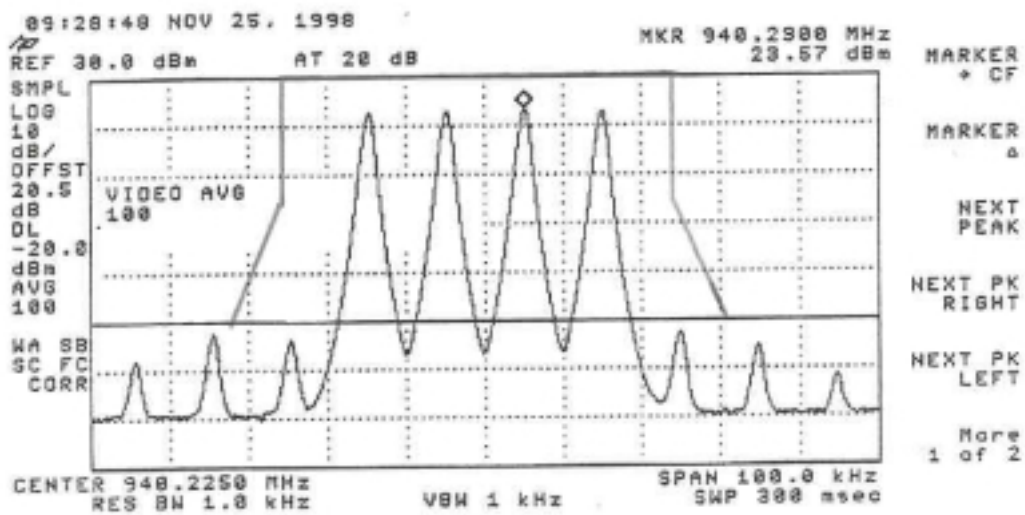


Figure 3L
Occupied Bandwidth Four Carriers (200 kHz span)

