Cable AML

Attn: Joe DICHOSO

21NOV02

From: Norman F WOODS
Cable AML, Inc.
3157 Waterside Circle
Las Vegas, NV 89117
TEL: 702 363-5660
FAX: 702 363-2960
nfwoods@cableaml.com

Re: Correspondence 24252
731 Confirmation EA319440
FCC ID JXZOTX02-250

Referring to the seven pages (which follow this page) as pages 1 through 7

1) Pages 3, 4, 5 contain the photographs of both sides of all circuit boards with the shielding removed.

2) Pages 1 & 2 reflect the requested 15 W

3) Justify the emission designators, modulation types, and bandwidths

5M75C3F is a Vestigial Sideband AM (VSBAM) video portion of a television signal
250KF3E is its associated audio subcarrier
A television signal in the USA occupies a 6MHz channel

6M00D7W is a digital signal occupying a 6MHz channel, as is generally used for digitized television transmission in Cable Television and wireless Cable Television systems.

4) The spectral mask for the modulations conform to 21.908 (a) and 74.936 (c) and are attached:

5M75C3F / 250KF3E Page 7
6M00D7W Page 6

5) Frequency stability will be 2.5 ppm

10.1 RF Power Measurements

Figure 1 shows the block diagram of the test set-up used for the measurements. The results are shown in Table 1 below.

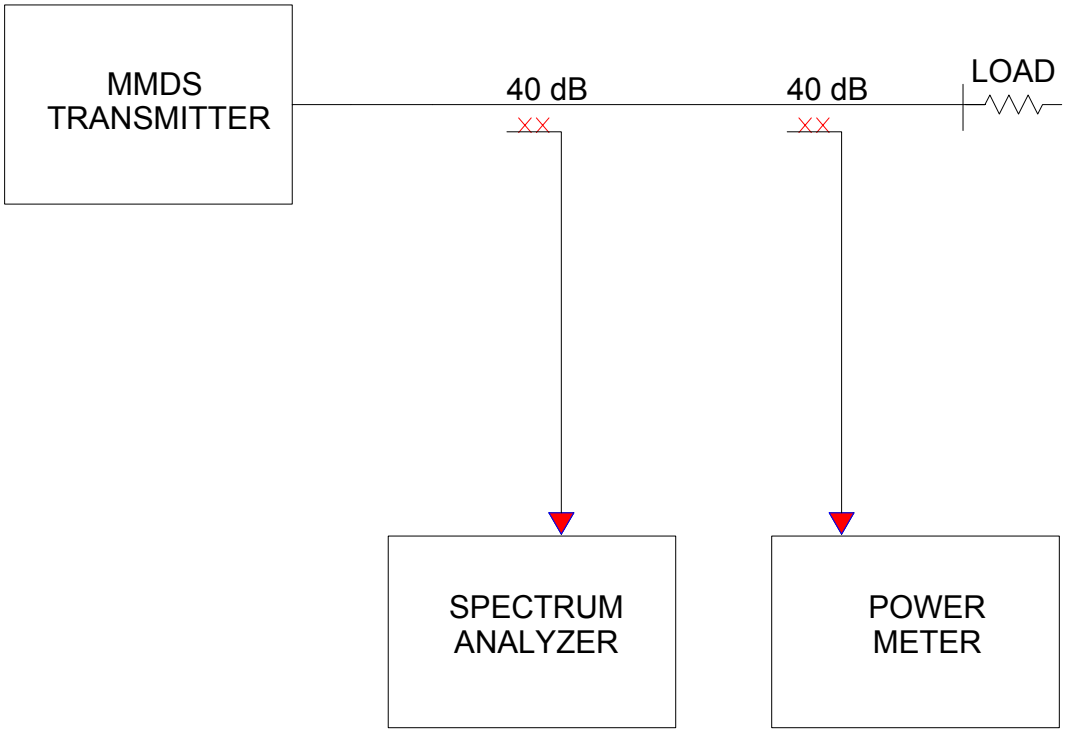
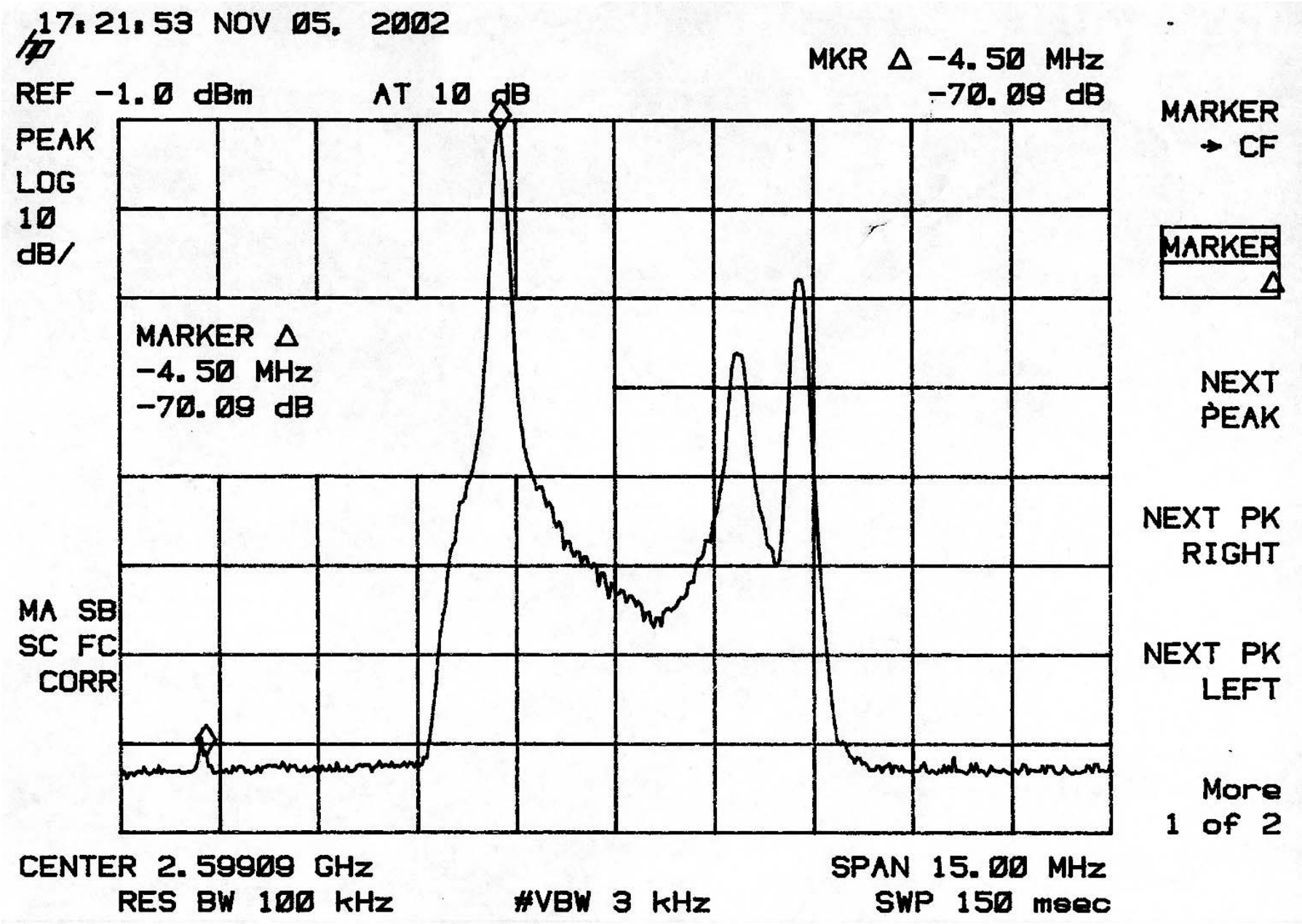


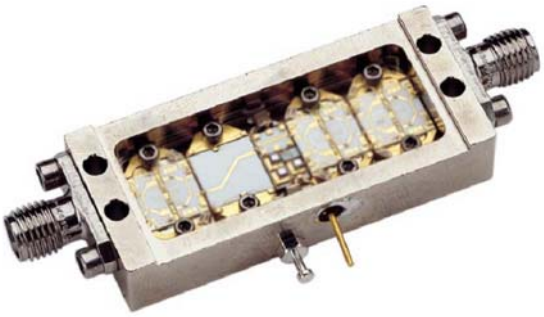
Figure 1. RF Power Measurement Test Set-up.

Table 1. RF Power Measurements.

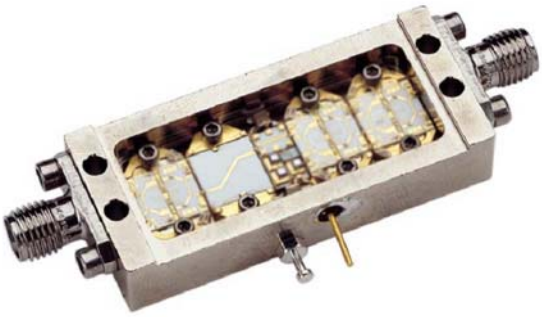
Number of channels	Peak Sync Power (per channel)	Intermodulation Distortion Products (dBc below sync peak)
1	15 Watts	-70



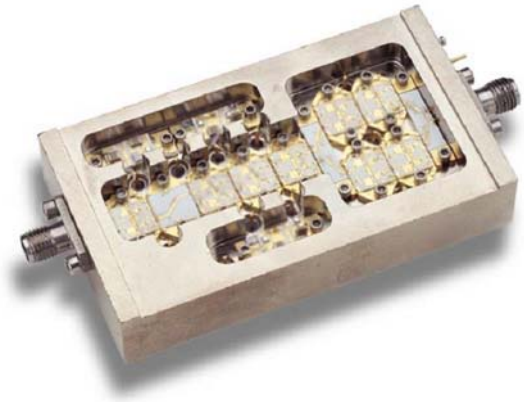
Output Power Plot. 15 Watts = 41.76 dBm.



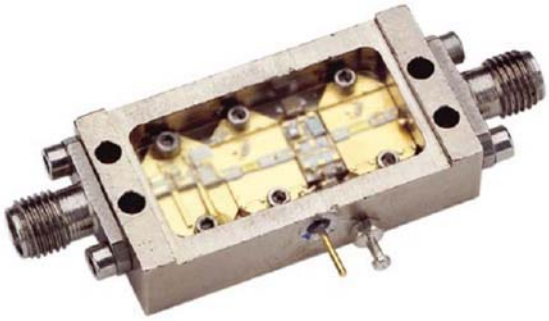
P/N: 87158-001



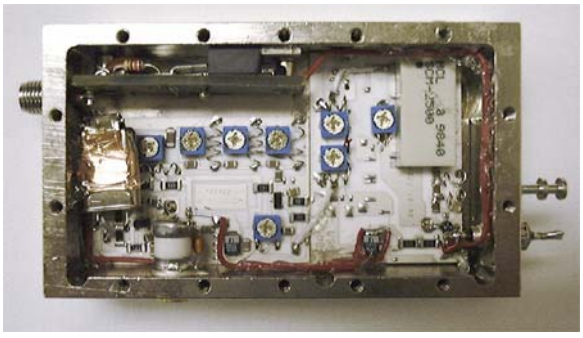
P/N: 87193-001



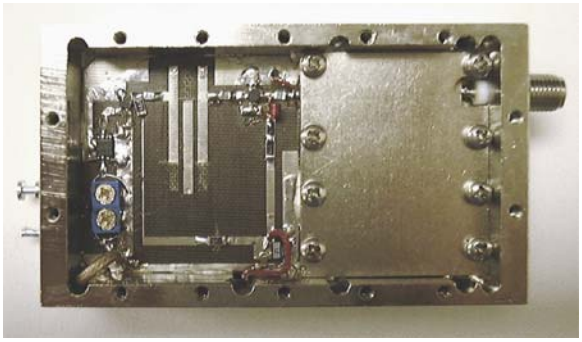
P/N: 87116-004



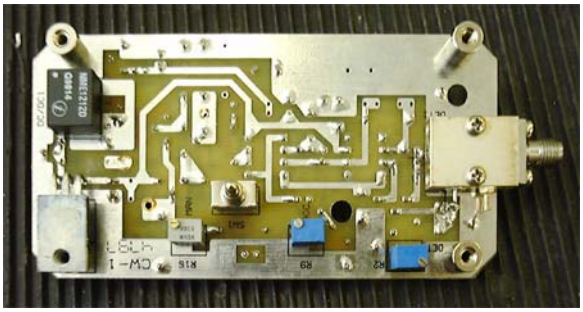
P/N: 87192-001



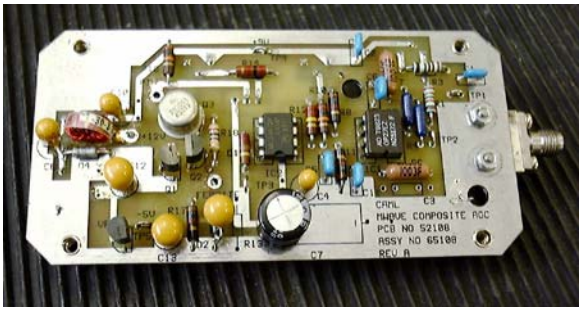
P/N: 87225-013 (Front)



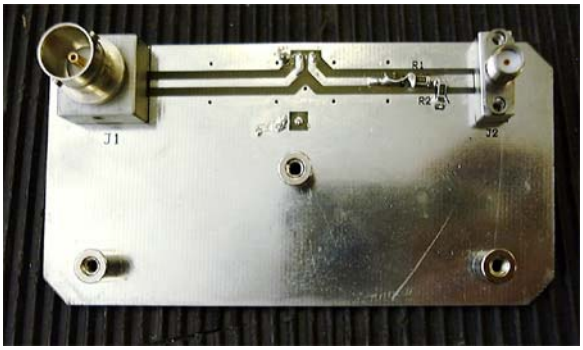
P/N: 87225-013 (Back)



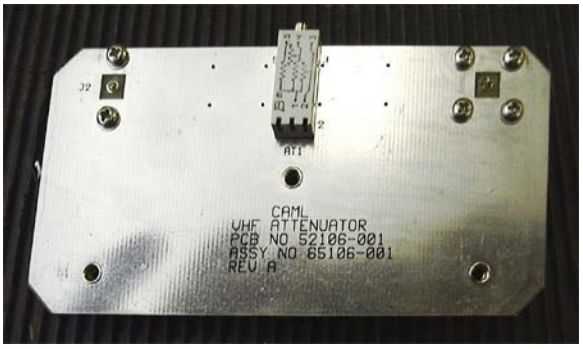
P/N: 52108-001 (Front)



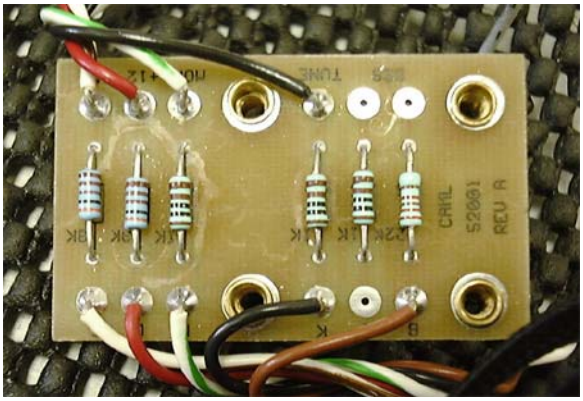
P/N: 52108-001 (Back)



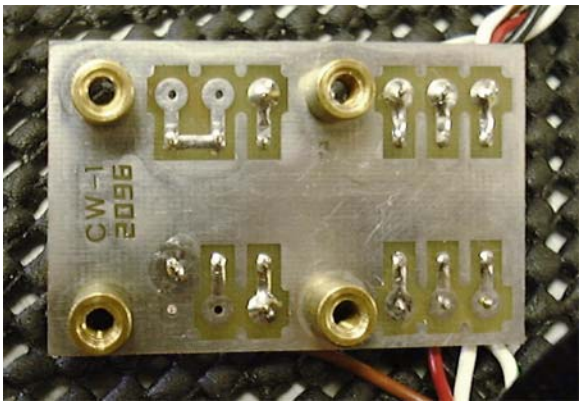
P/N: 52106-001 (Front)



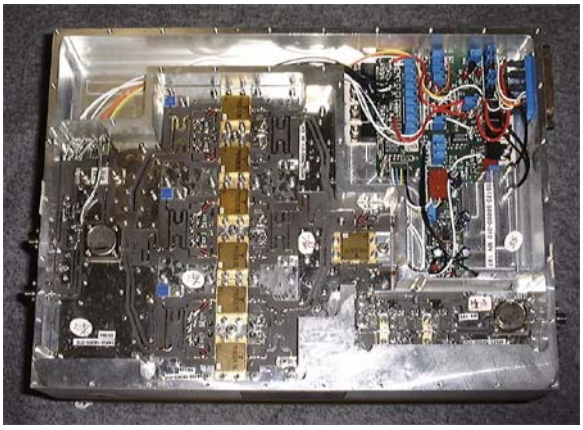
P/N: 52106-001 (Back)



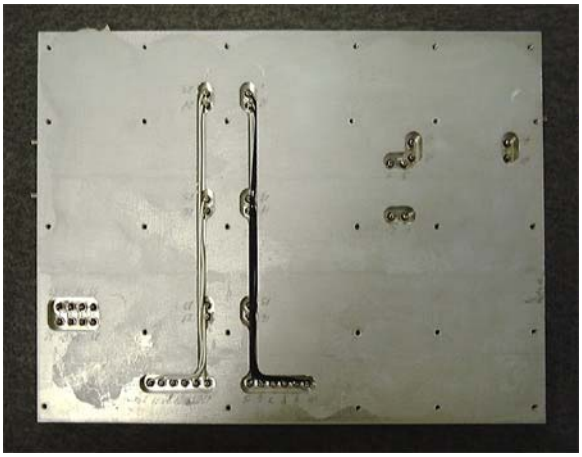
P/N: 52001-001 (Front)



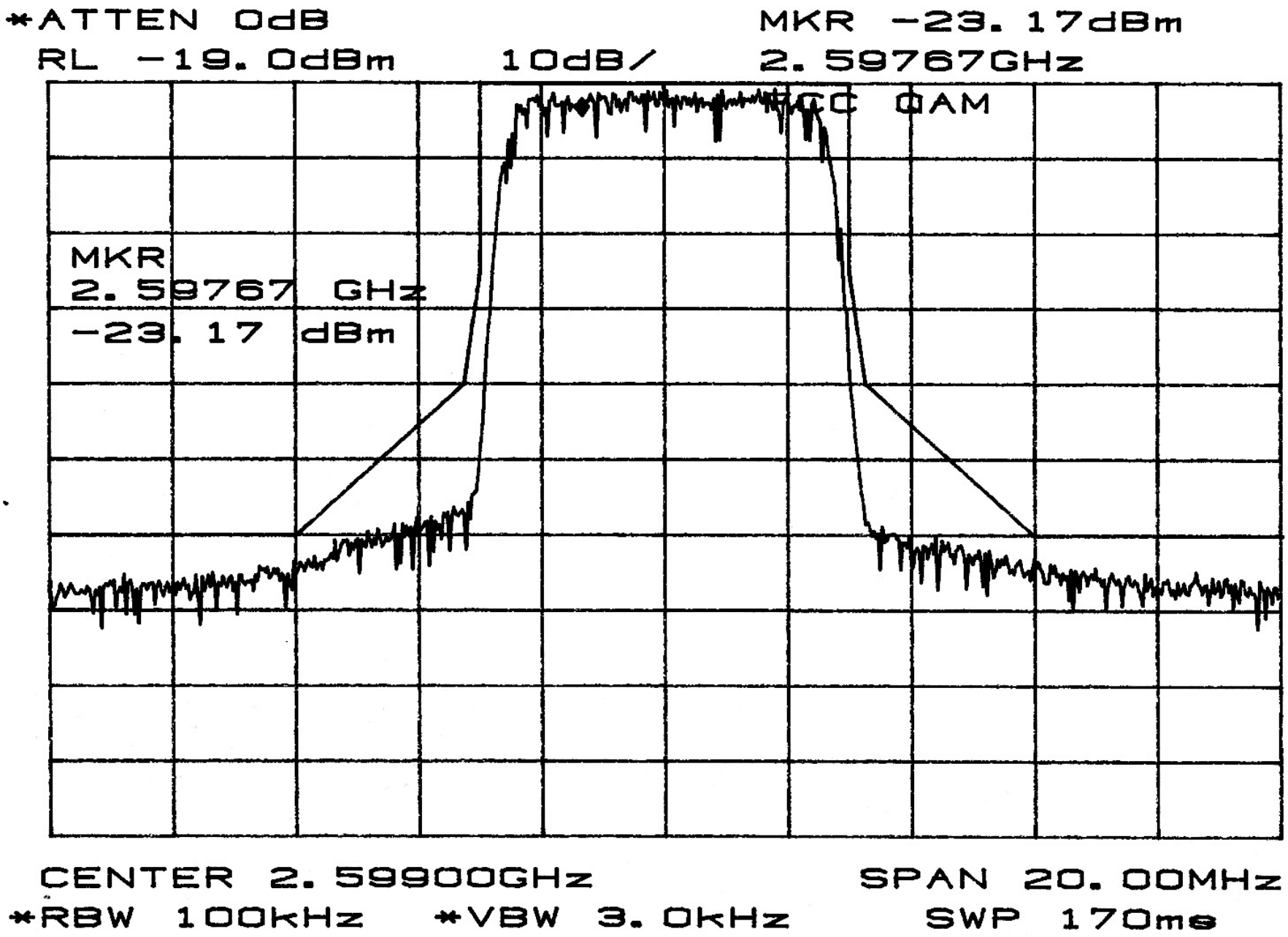
P/N: 52001-001 (Back)



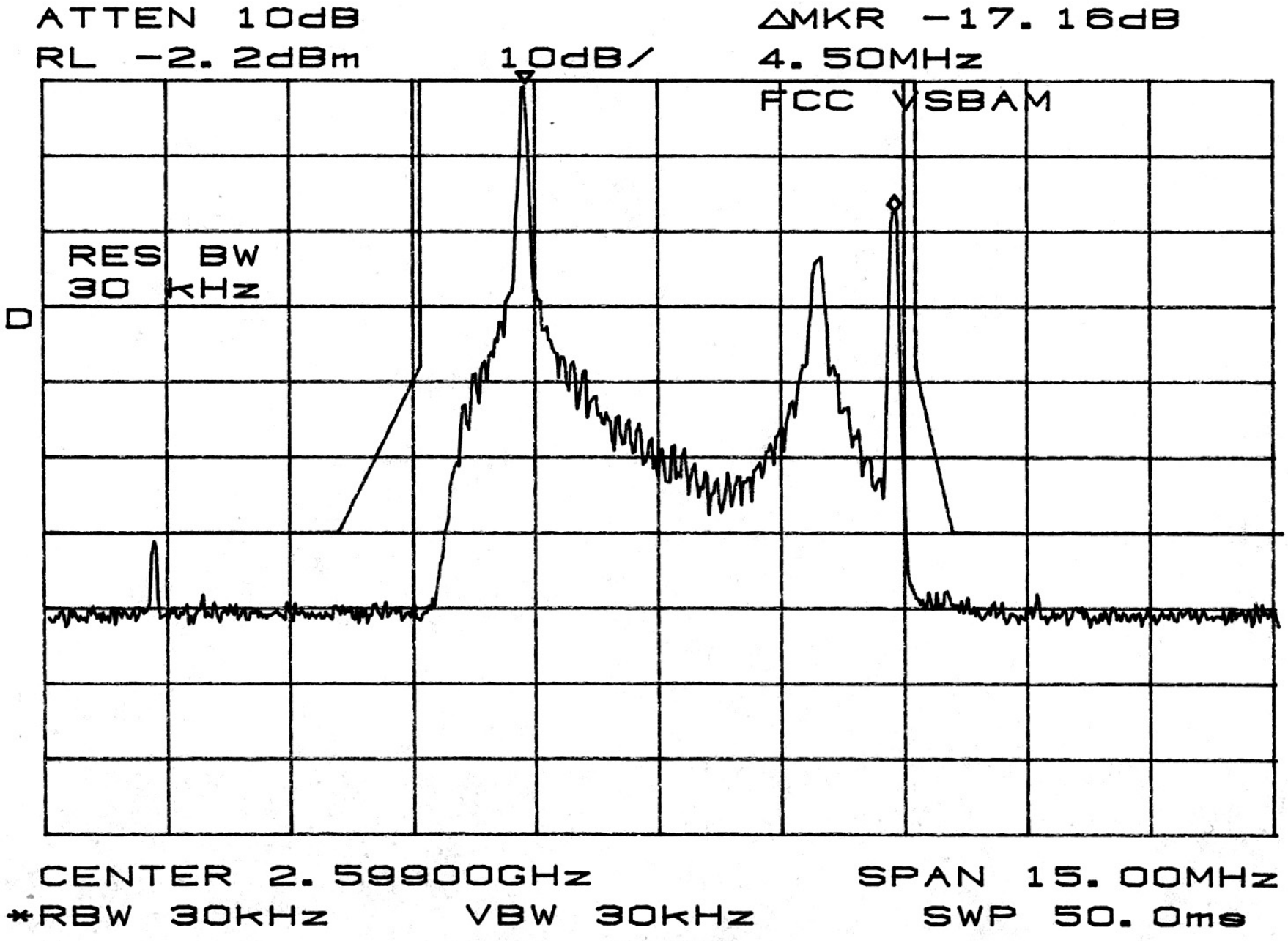
P/N: 87161-013 (Front)



P/N: 87161-013 (Back)



QAM Spectral Mask.



VSBAM Spectral Mask.