

Report Number: 06-0008

Issue Date: April 18, 2006

Customer: Sicom test s.r.l.

Model: GE863-QUAD / GE863-PY Modular Transmitter

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## **2.8 Band-Edge Compliance (FCC Section 24.238)**

On any frequency outside a licensee's frequency block, the power of any transmission shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log (P)$  dB.

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**TABLE 5  
BAND-EDGE COMPLIANCE**

Frequency (MHz)	Level (dBm)	Limit (dBm)
< 824	-17.67*	-13
> 849	-18.48*	-13
< 1850	-23.69**	-13
> 1910	-19.31**	-13

\* = 2.64 dB added for Cable and Attenuator Loss

\*\* = 1.07 dB added for Cable and Attenuator Loss

**Test Date: April 14, 2006****Tester****Signature:****Name: Austin Thompson**

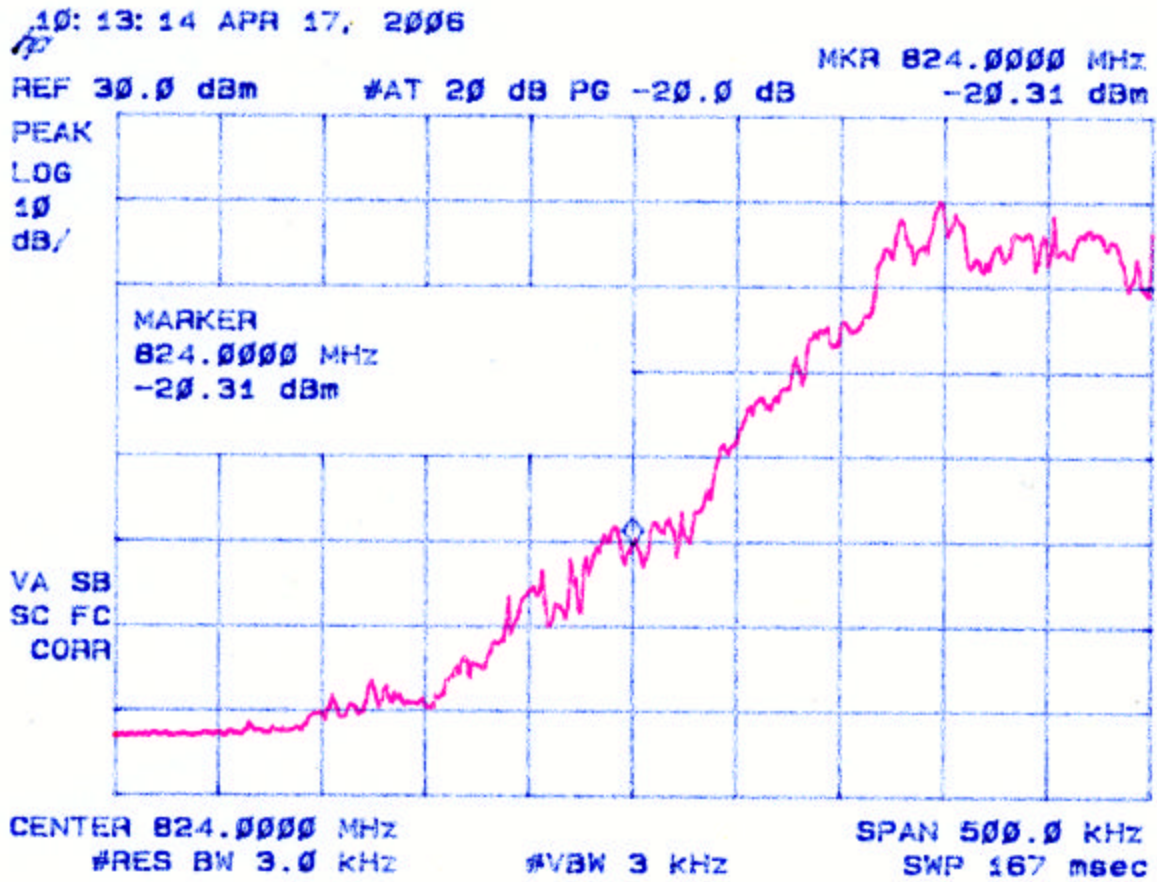
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**Figure 4a.**  
**Band Edge Compliance**



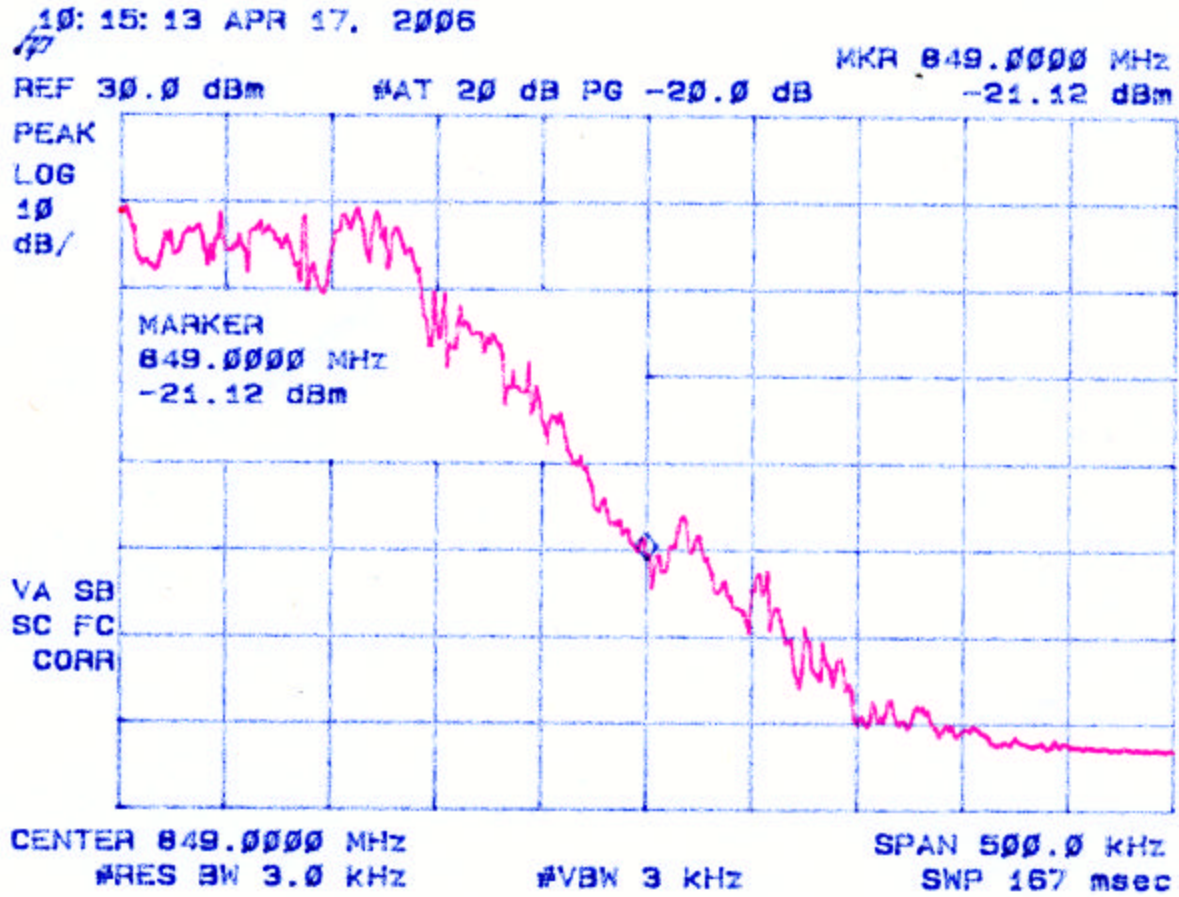
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**Figure 4b.**  
**Band Edge Compliance**



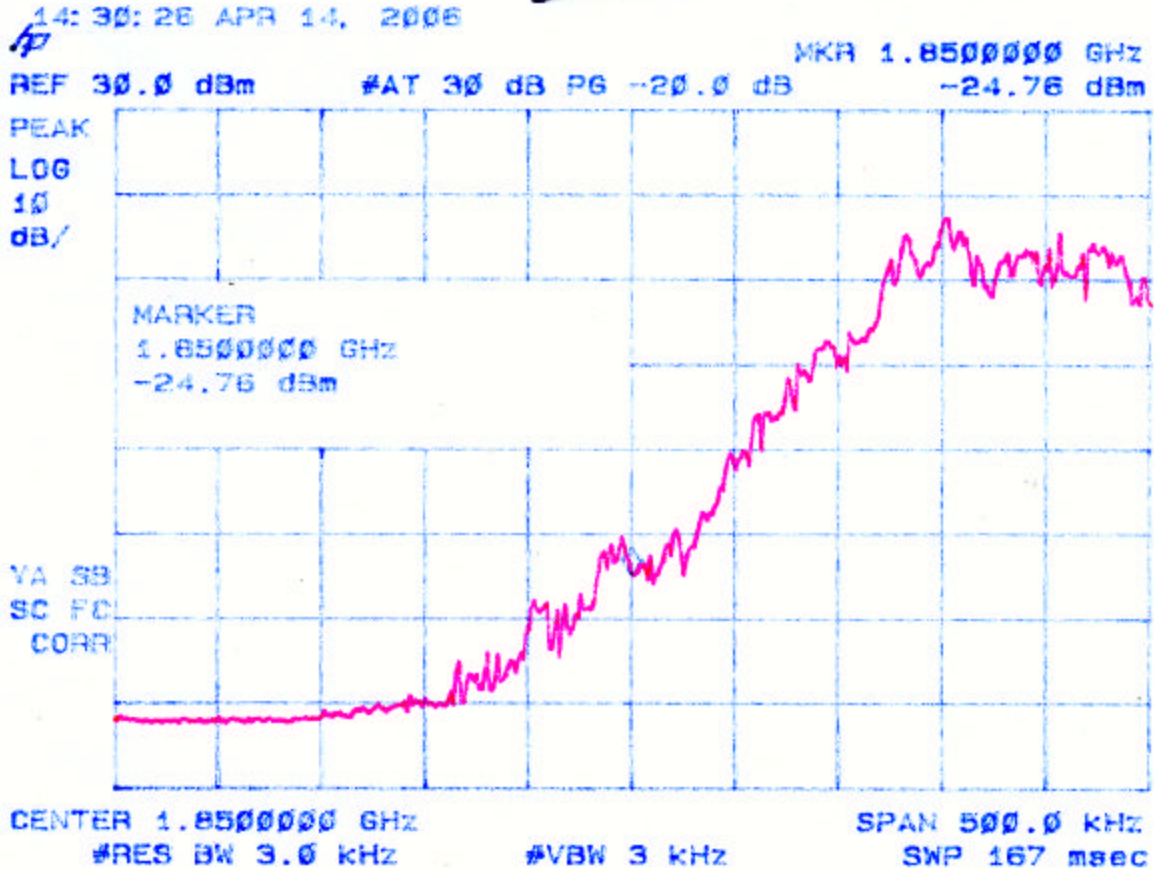
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**Figure 4c.**  
**Band Edge Compliance**



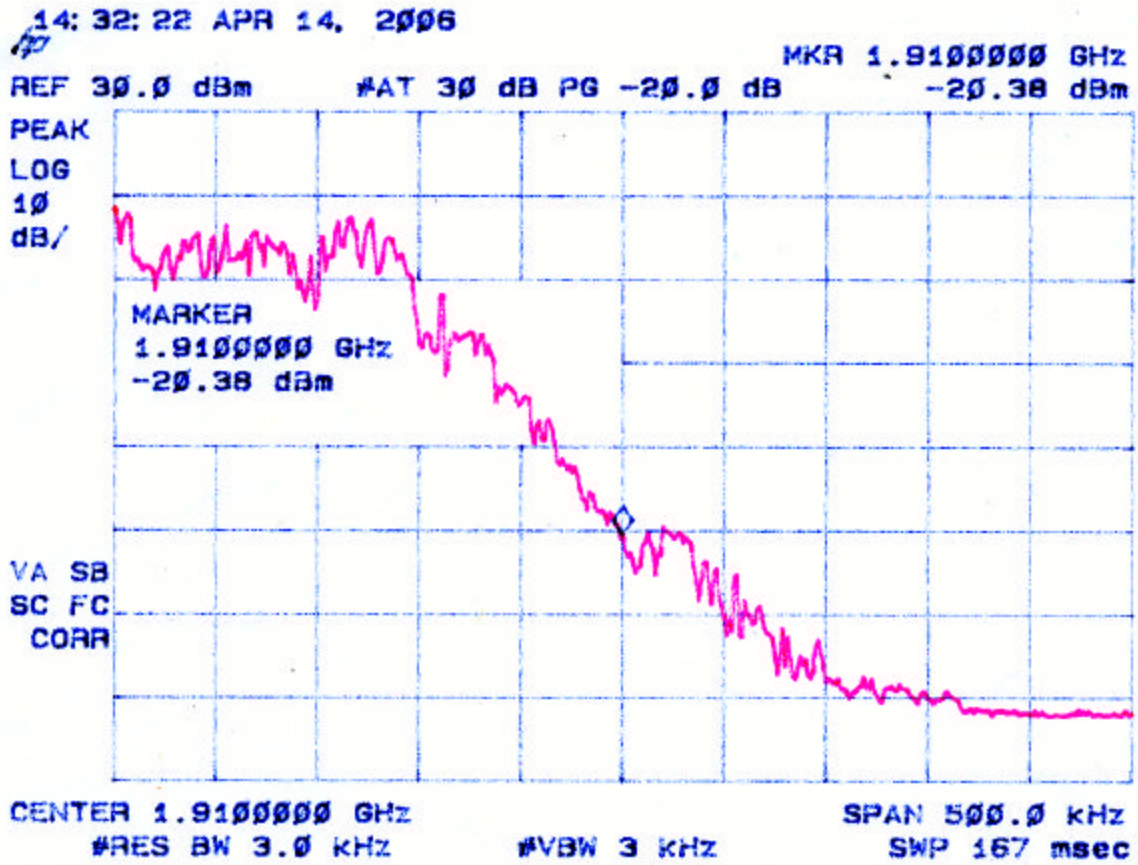
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**Figure 4d.**  
**Band Edge Compliance**



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## **2.9 Occupied Bandwidth (FCC Section 2.1049)**

EUT was modulated by its own internal sources. Low, Middle and High Channels were tested. The bandwidth of the fundamental was measured using a spectrum analyzer. The results are shown in Figure 6a through Figure 6f. Long sweep times were applied near to the fundamental to ensure a good signal was obtained.

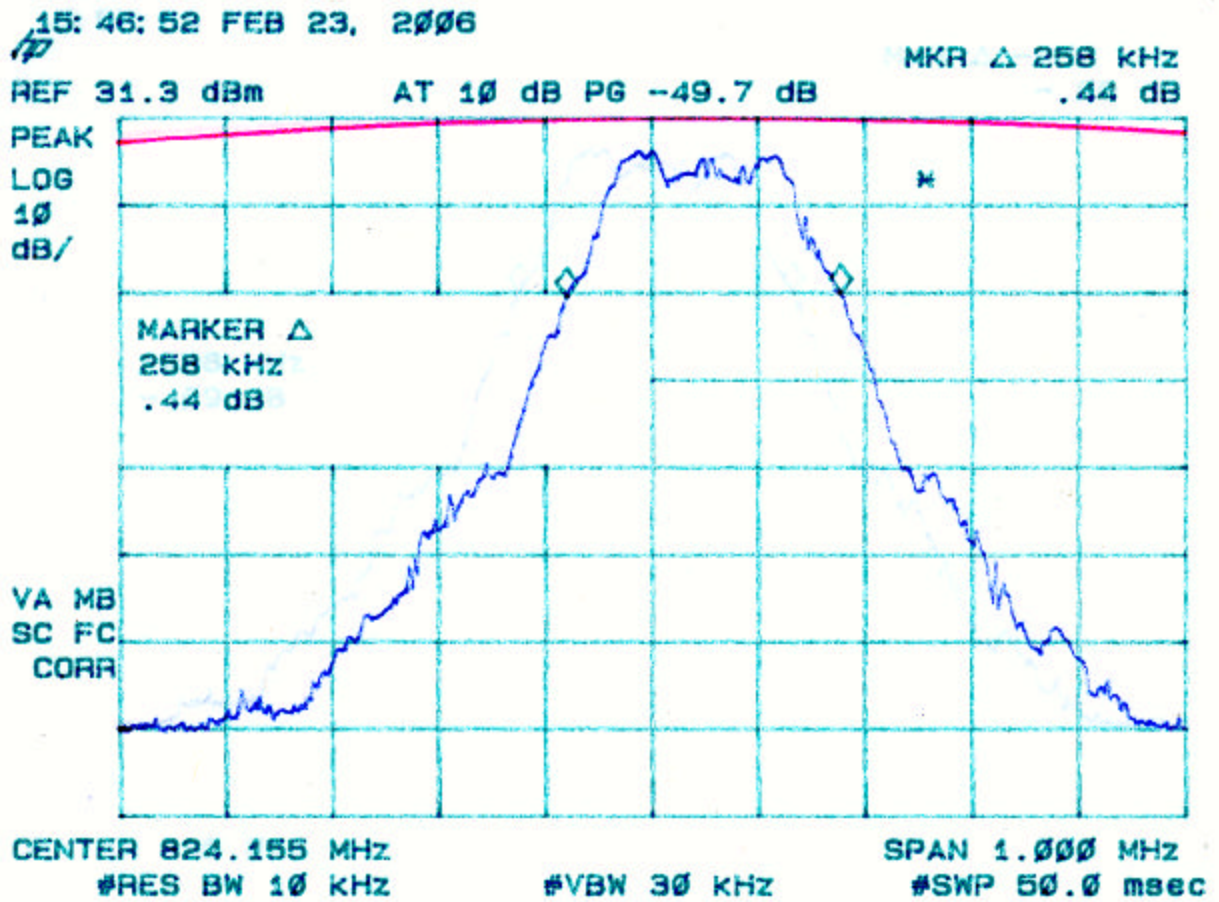
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**Figure 5a.**  
**Band Width Compliance - Low**  
**824 MHz to 848 MHz Range**





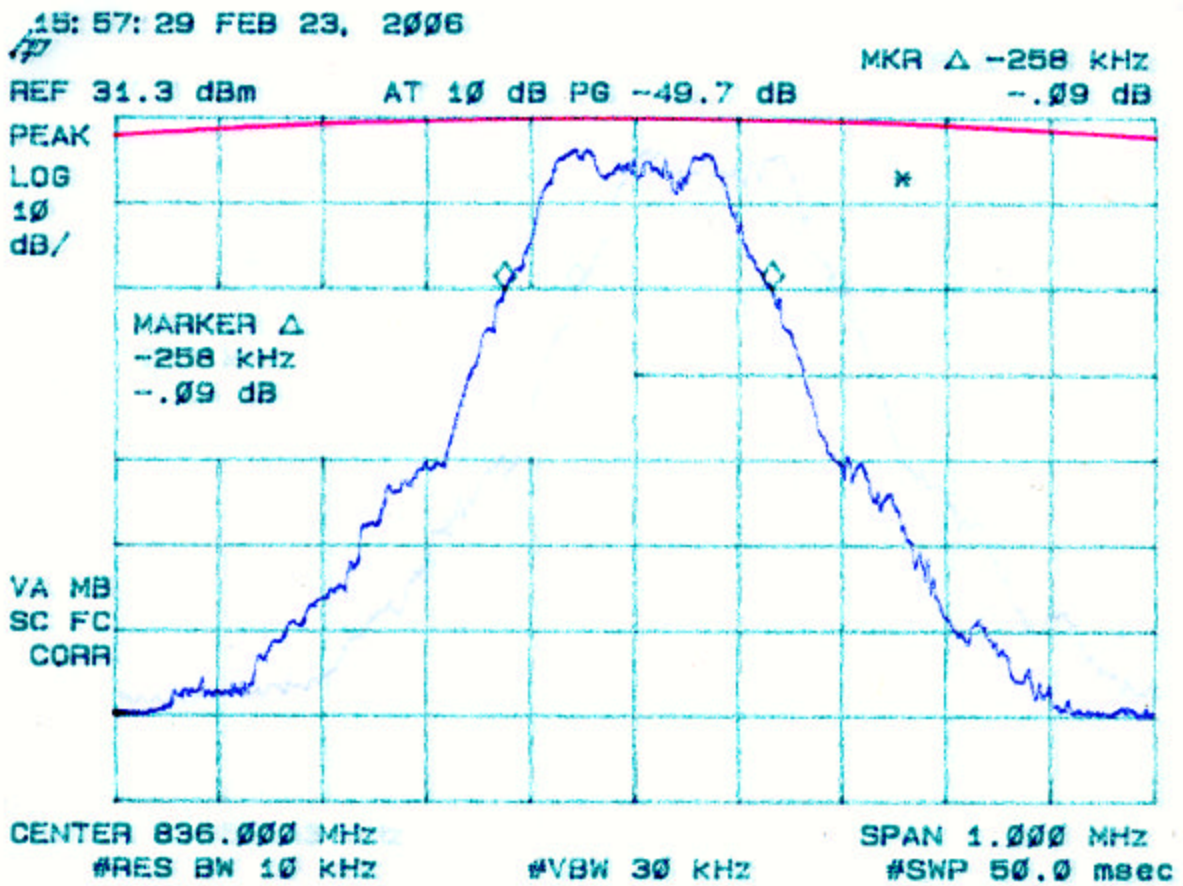
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**Figure 5b.**  
**Band Width Compliance - Mid**  
**824 MHz to 848 MHz Range**



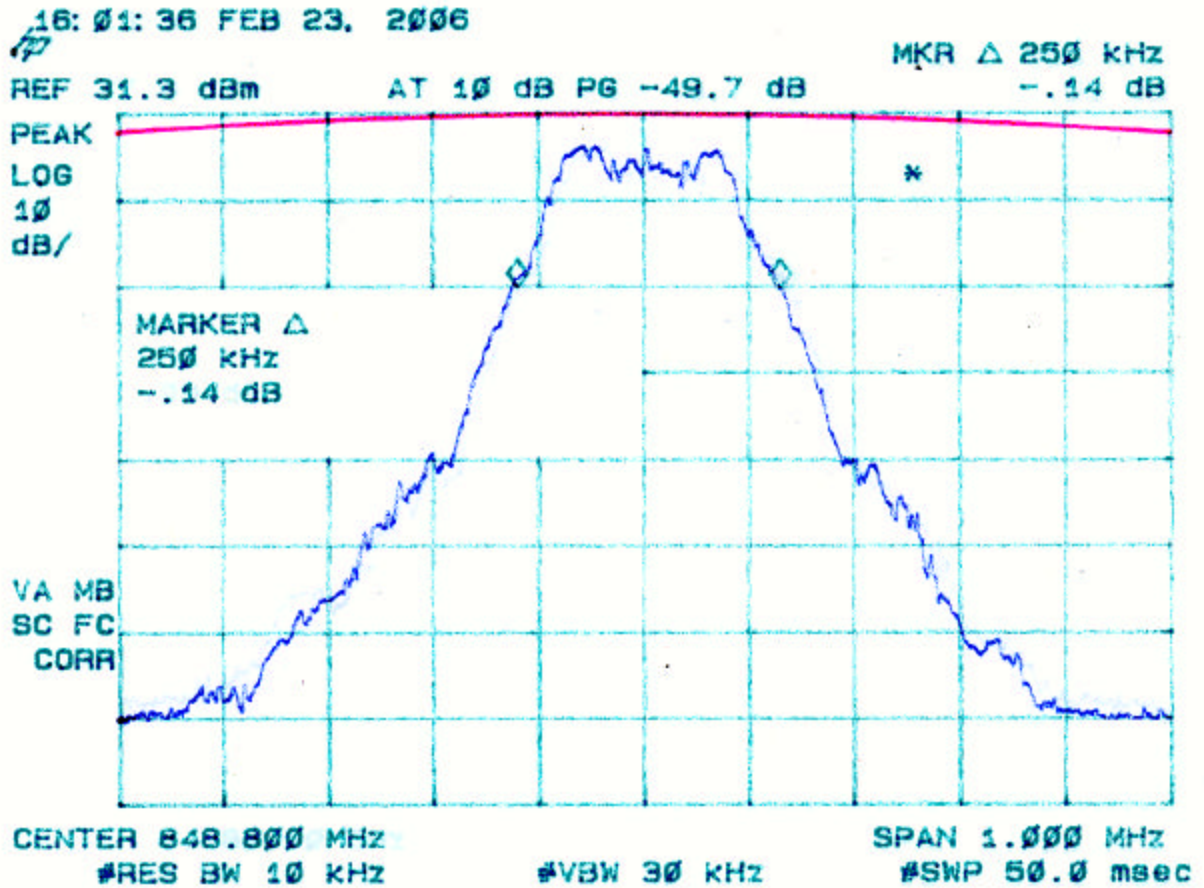
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**Figure 5c.**  
**Band Width Compliance - High**  
**824 MHz to 848 MHz Range**



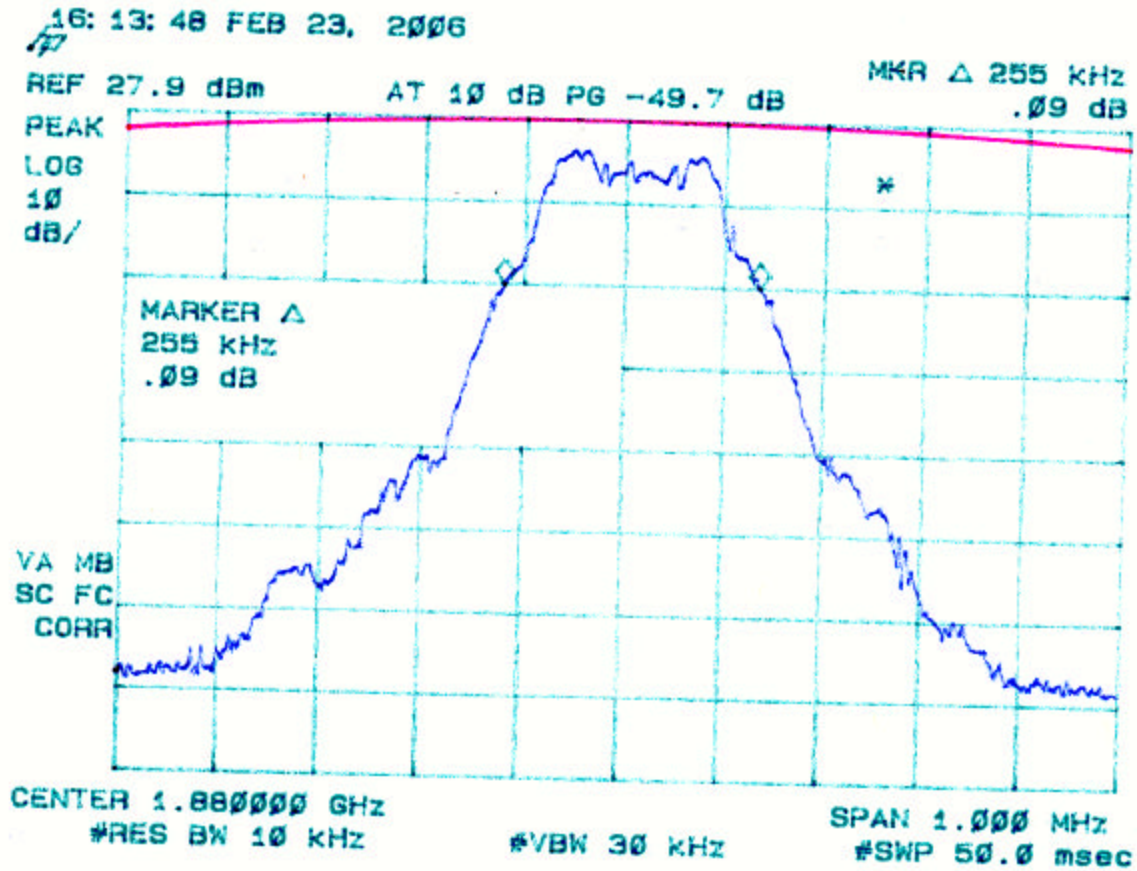
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**Figure 5d.**  
**Band Width Compliance - Low**  
**1850 MHz to 1909 MHz Range**



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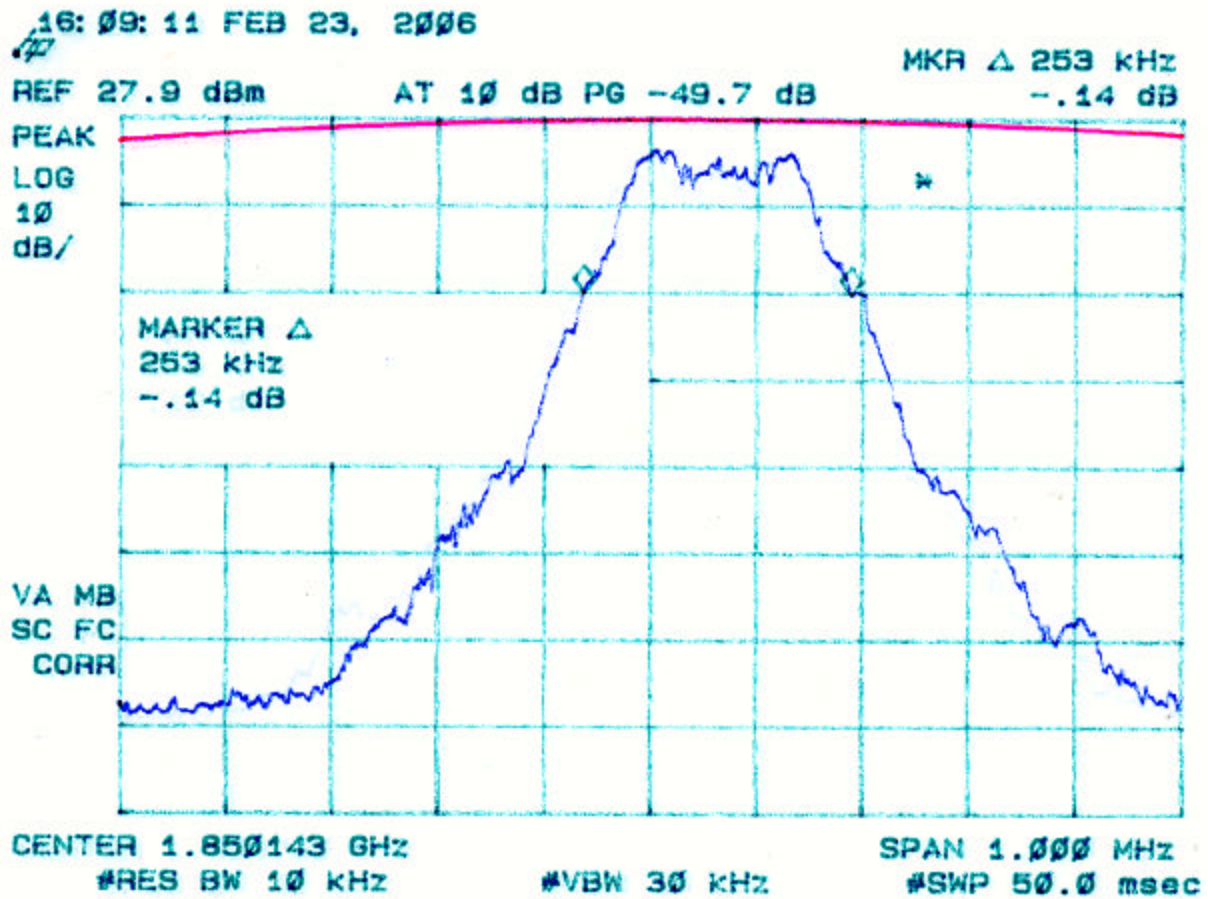
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**Figure 5e.**  
**Band Width Compliance – Mid**

1850 MHz to 1909 MHz Range



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**Figure 5f.**  
**Band Width Compliance - High**  
**1850 MHz to 1909 MHz Range**

