

Report Number: 06-0008

Issue Date: April 18, 2006

Customer: Sicom test s.r.l.

Model: GE863-QUAD / GE863-PY Modular Transmitter

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

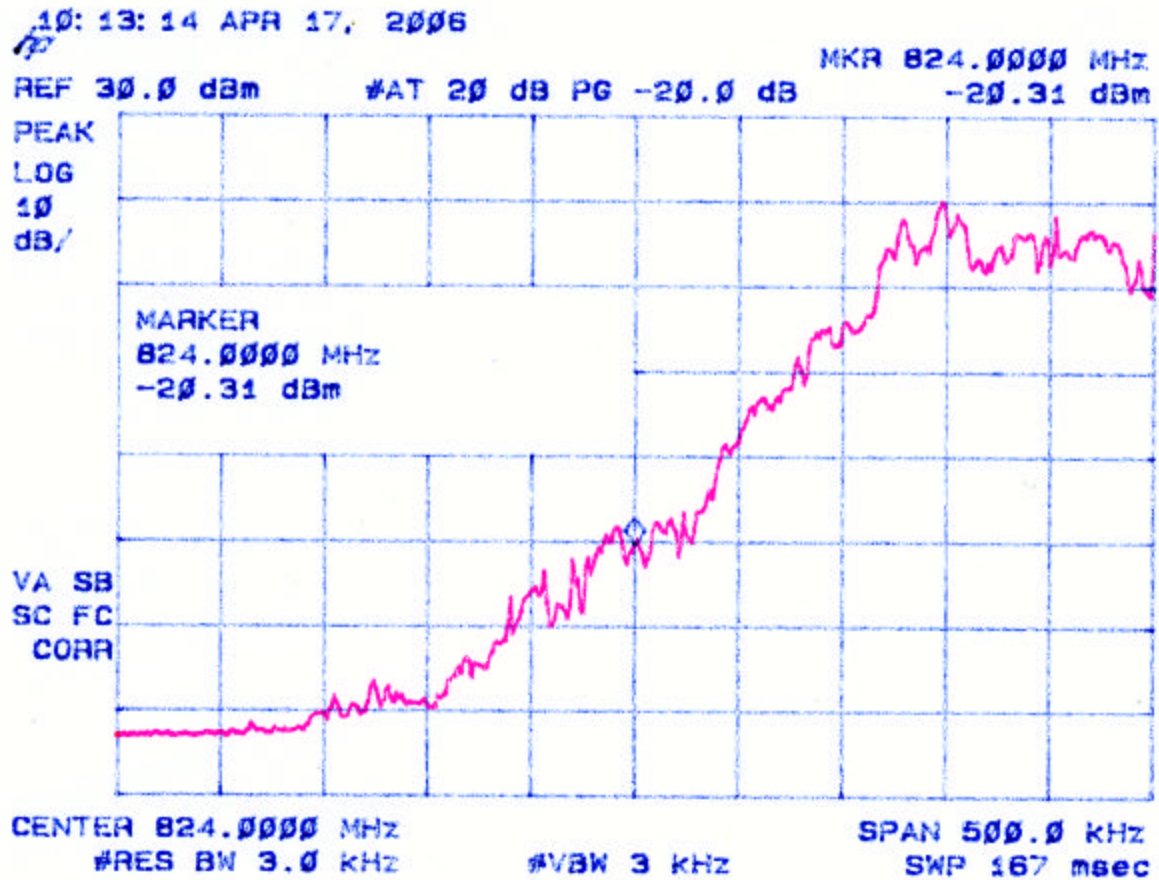
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Figure 4a.
Band Edge Compliance



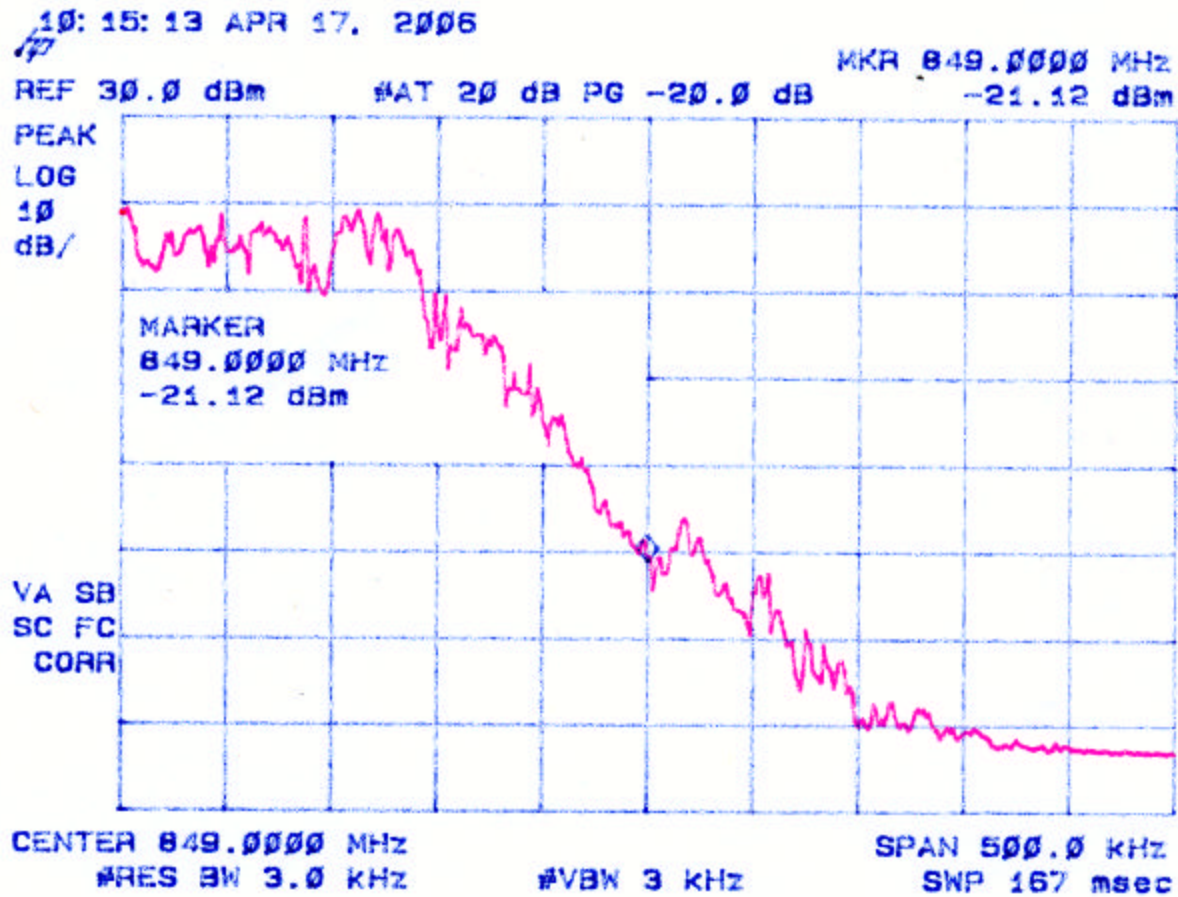
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Figure 4b.
Band Edge Compliance



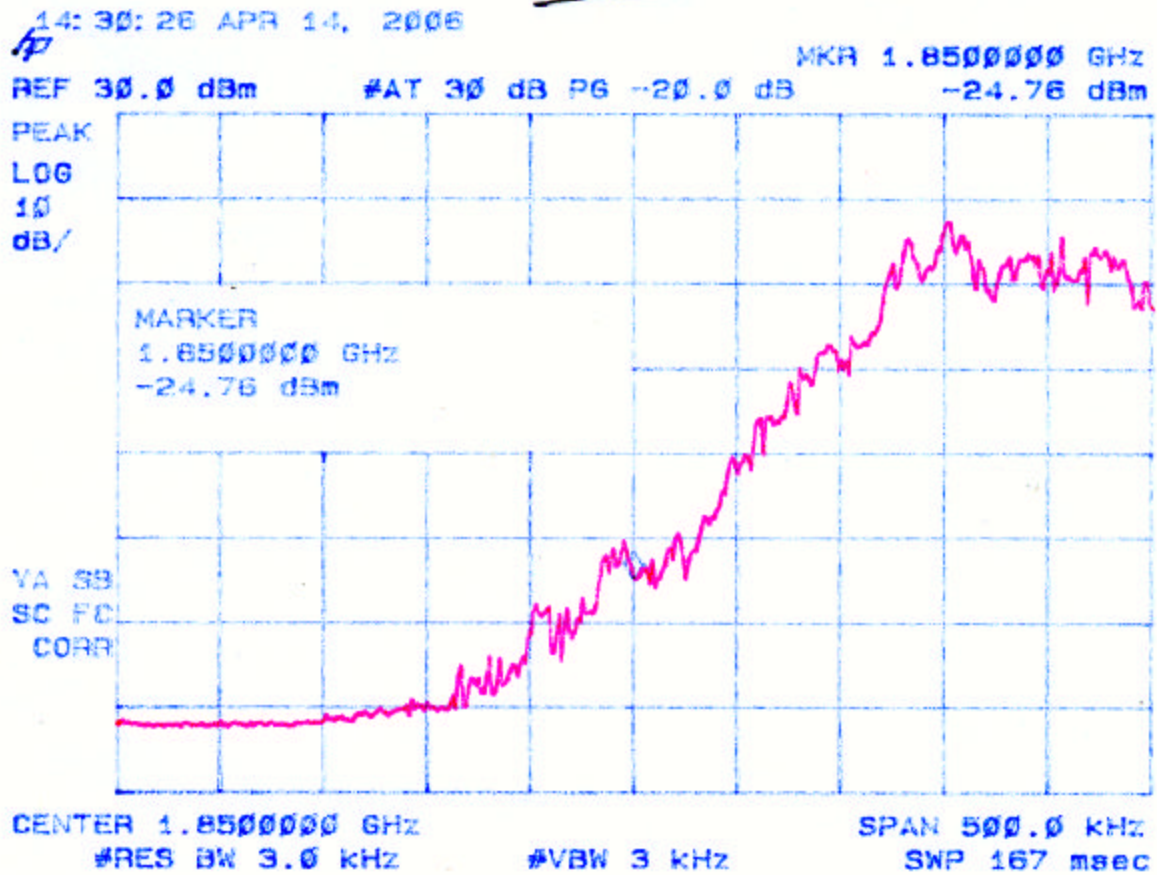
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Figure 4c.
Band Edge Compliance



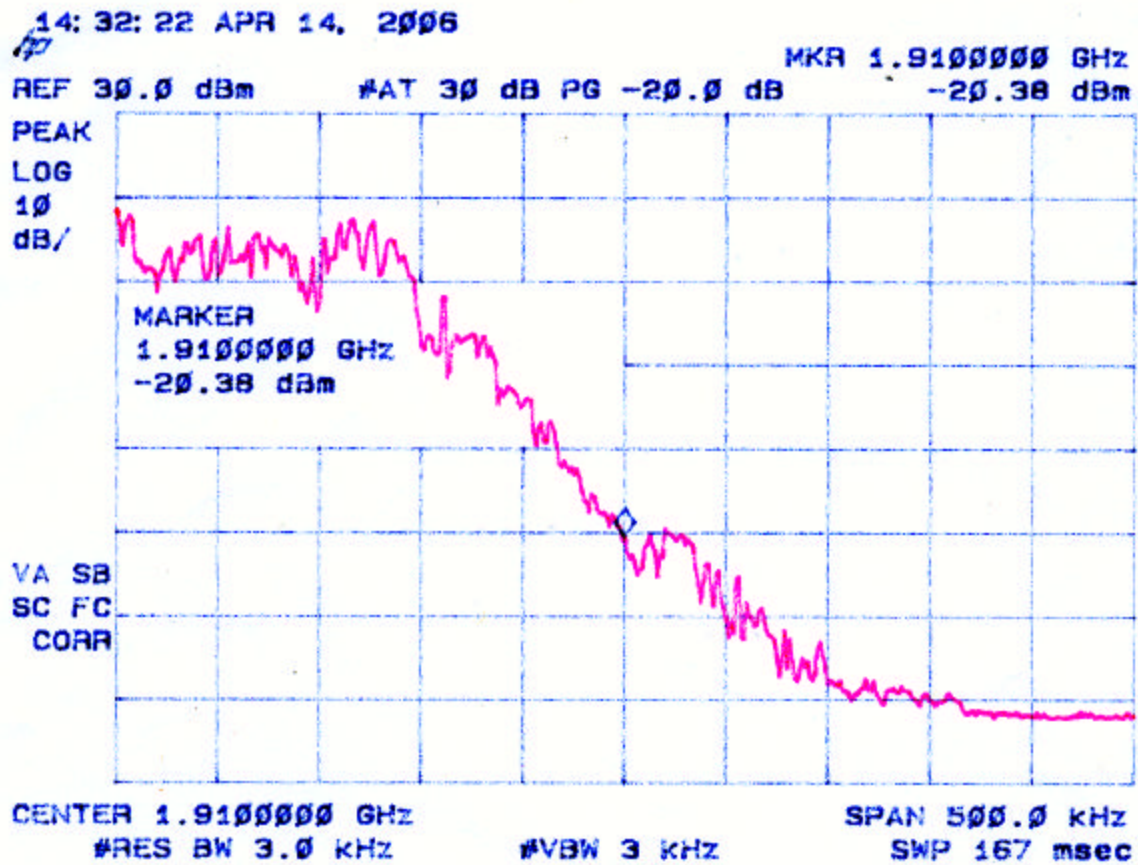
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Figure 4d.
Band Edge Compliance



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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.

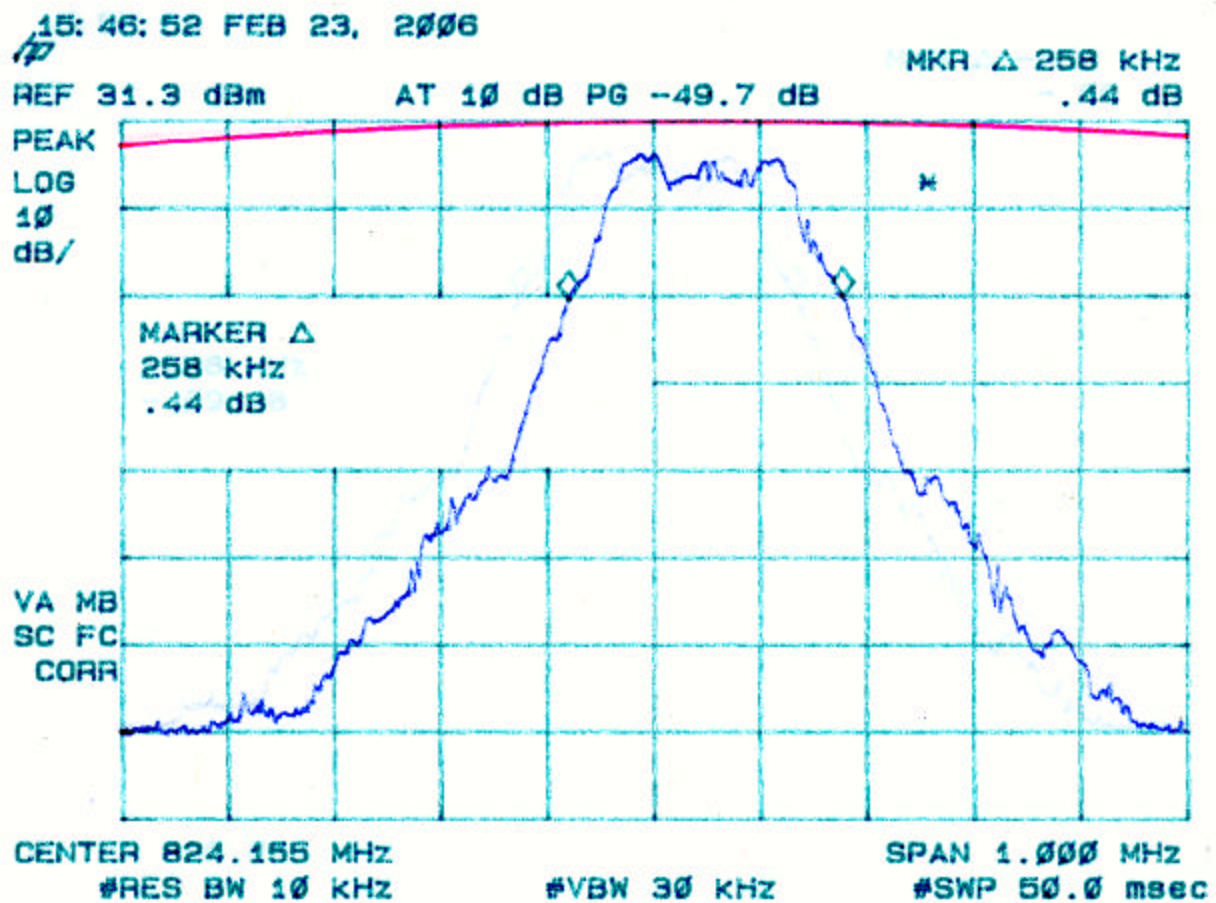
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Figure 5a.
Band Width Compliance - Low
824 MHz to 848 MHz Range



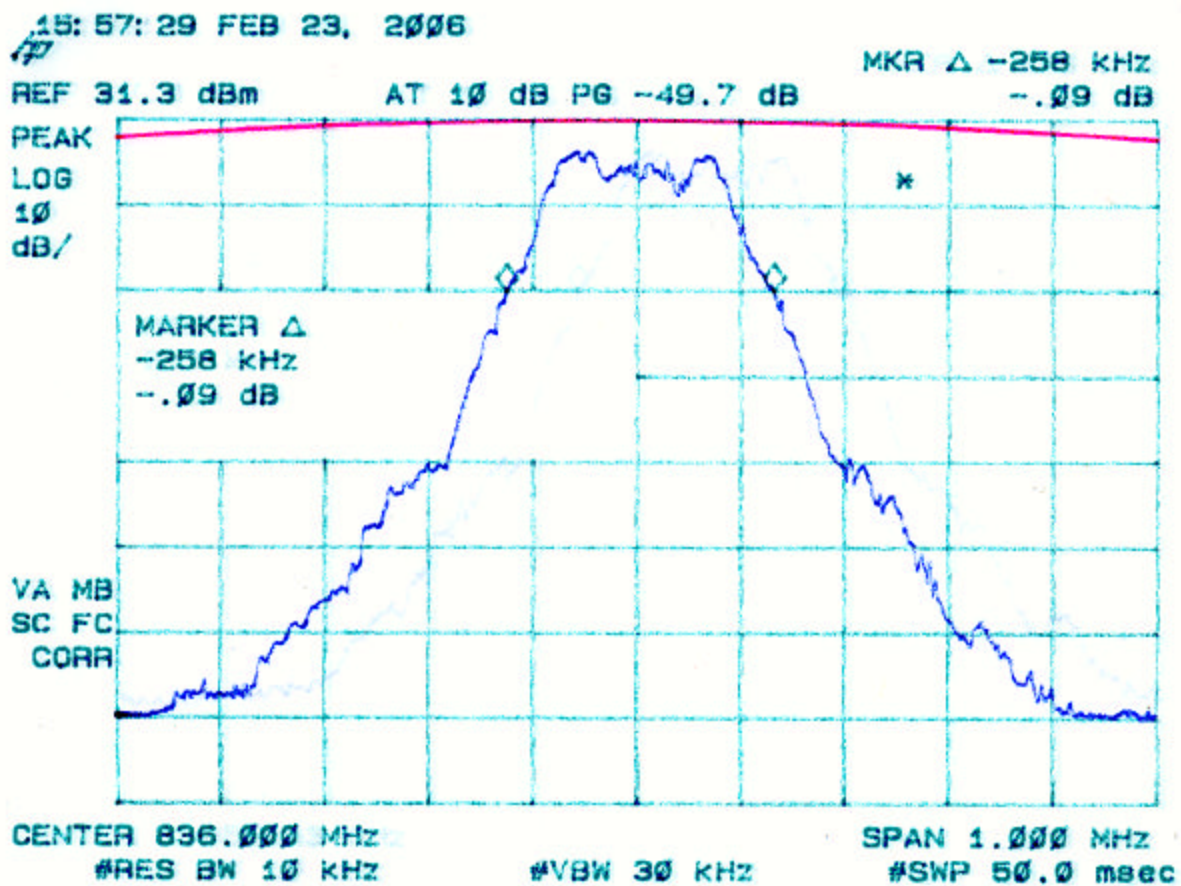
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Figure 5b.
Band Width Compliance - Mid
824 MHz to 848 MHz Range



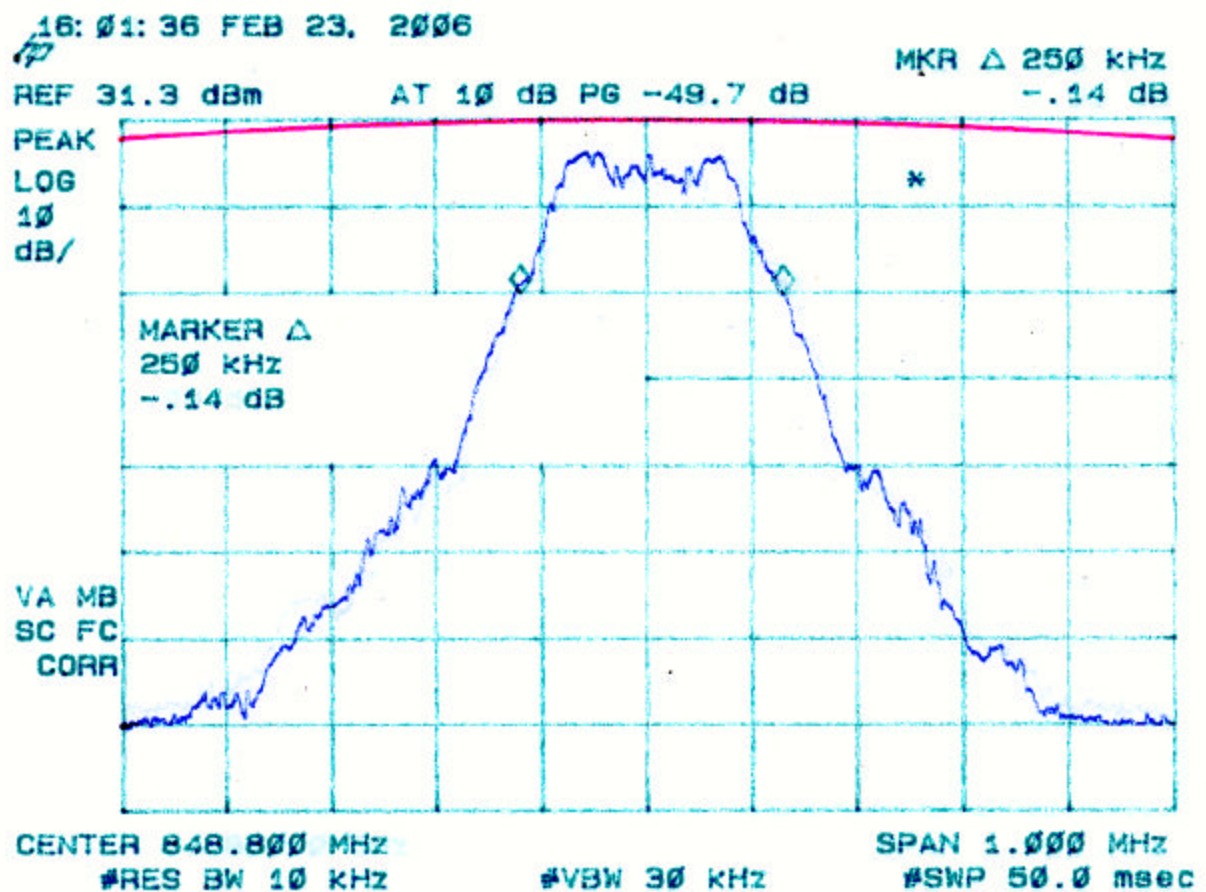
Report Number: 06-0008

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



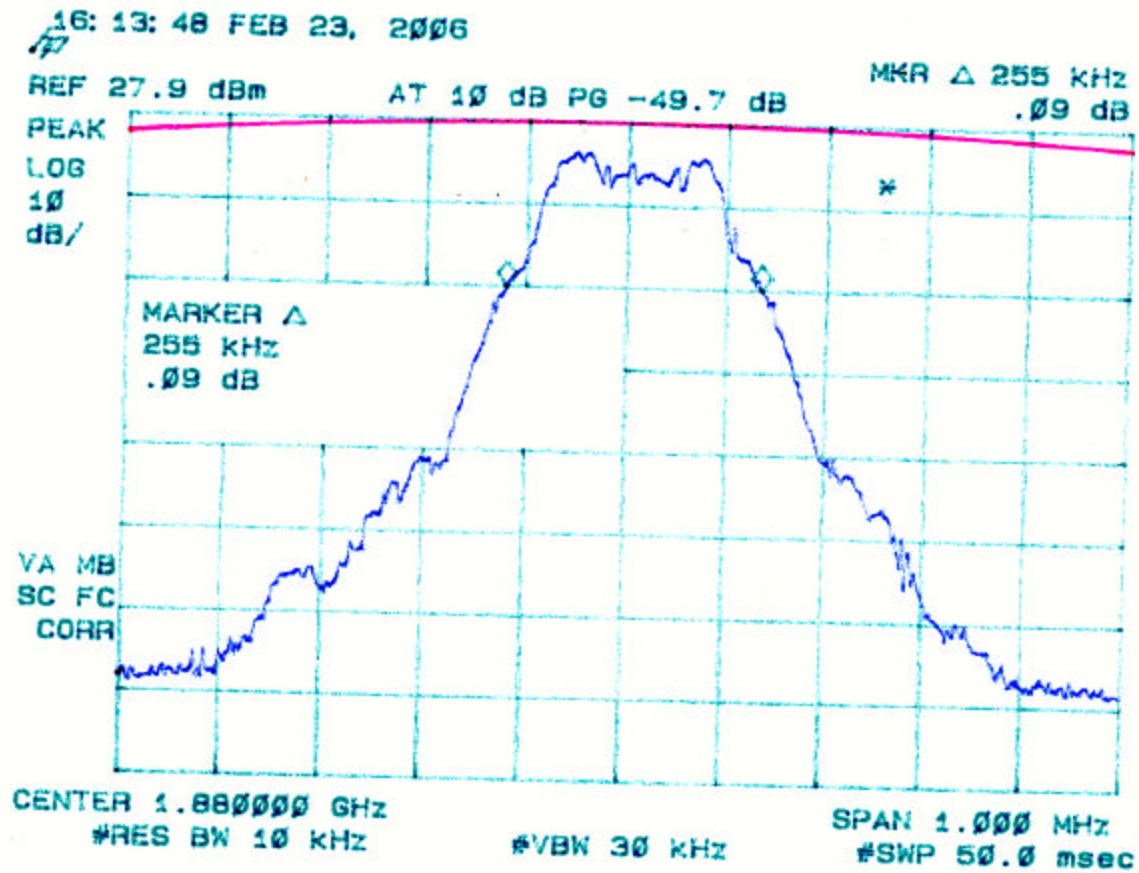
Report Number: 06-0008

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



Report Number: 06-0008

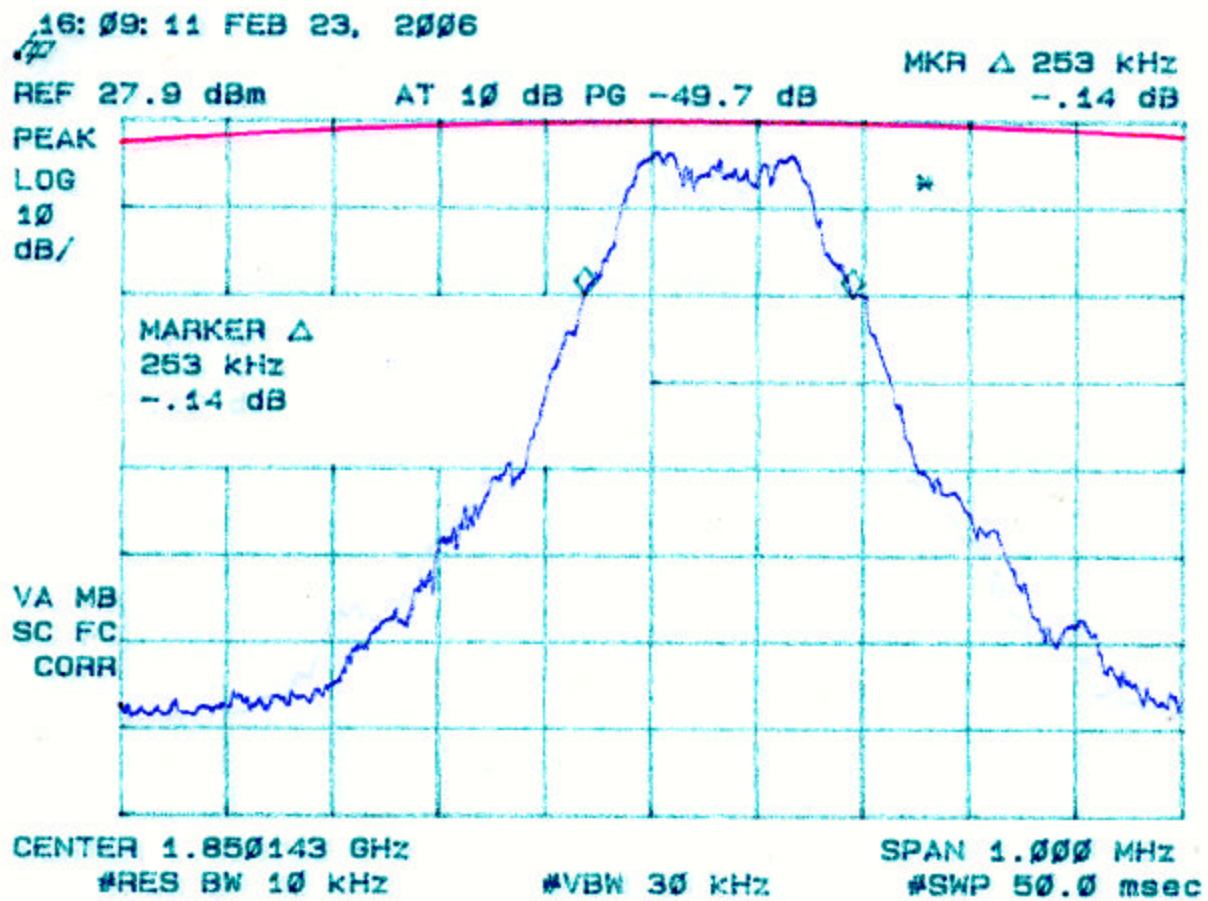
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Figure 5e.
Band Width Compliance – Mid

1850 MHz to 1909 MHz Range



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

