

TEST REPORT

REPORT NO: **SATEL-TR-0046-LH**
TEST PERIOD: 08.09.2005
TEST SITE: Satel / R&D Dept., Salo

DEVICE UNDER TEST: **SATELLINE-3AS VHF**

TESTS PERFORMED:

- Transient Frequency Behavior⁵ of the transmitter
#1: at 12.5 kHz channel spacing
(pages 2 to 10, figures 1-18)
on various temperatures
(-30, -20, -10, ± 0 , +10, +20, +30, +40, +50 °C)

TEST STANDARD: TIA/EIA-603, clause 4.2.19.

TESTS PERFORMED BY:

Lassi Hirvonen

TEST RESULTS

#1 Tests at 12.5 kHz channel spacing

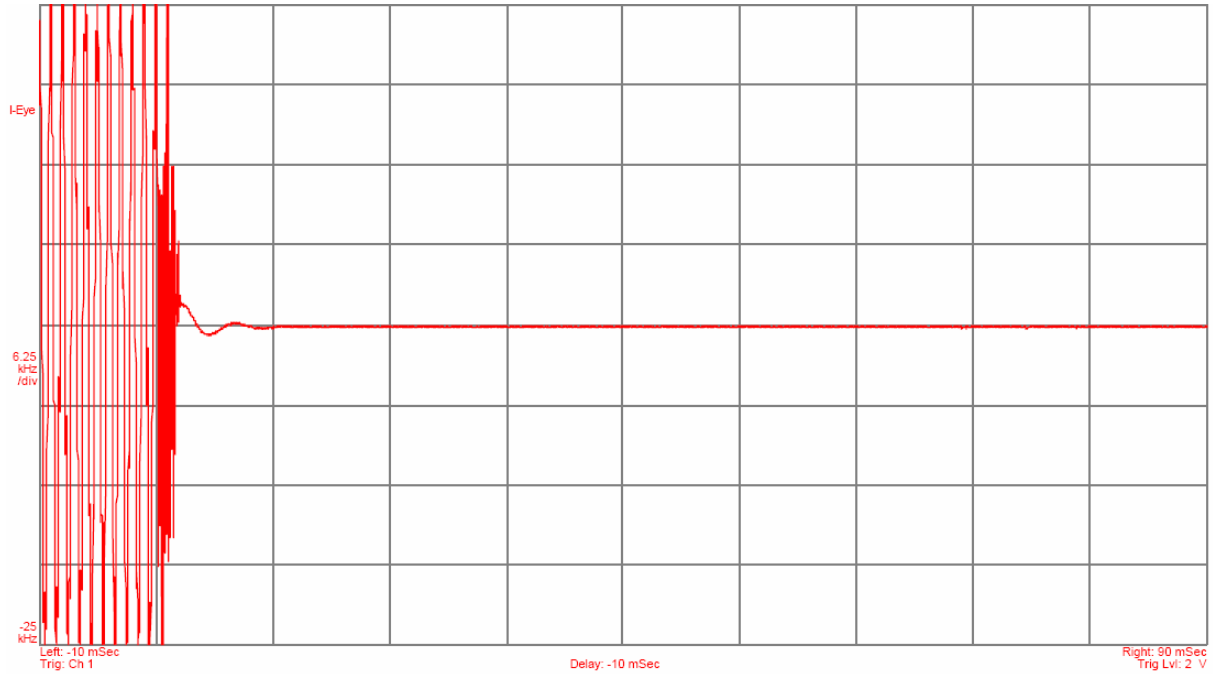


Fig. 1. Transmitter switched ON at $-30\text{ }^{\circ}\text{C}$. (12.5 kHz ch. sp.)

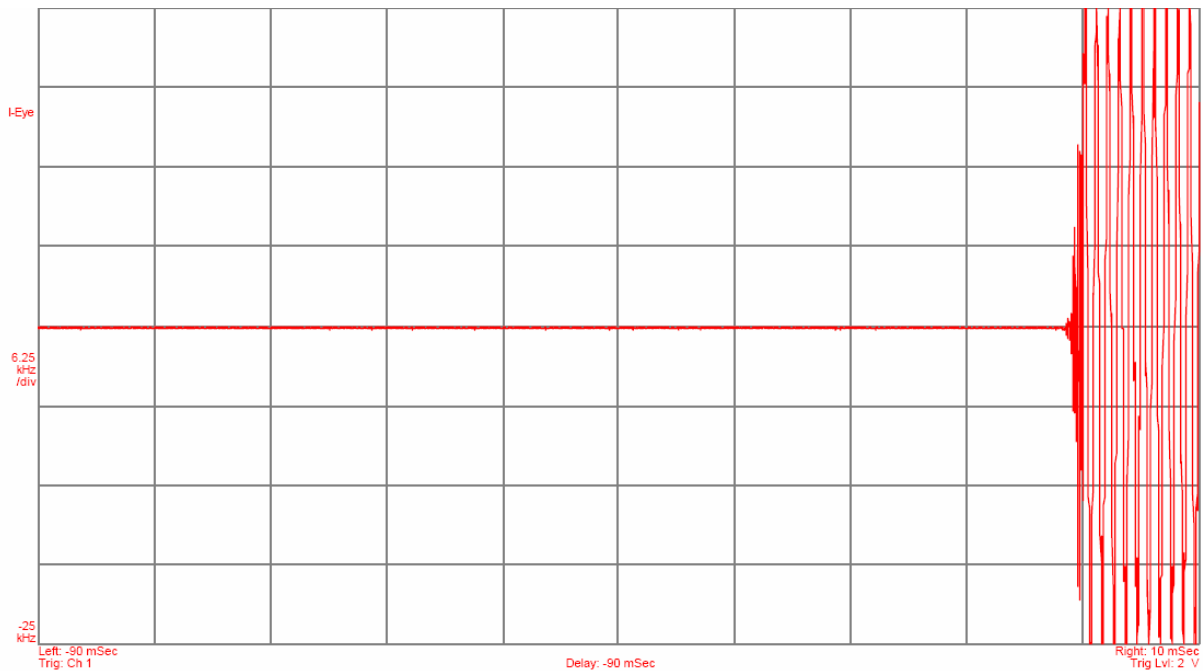


Fig. 2. Transmitter switched OFF at $-30\text{ }^{\circ}\text{C}$. (12.5 kHz ch. sp.)

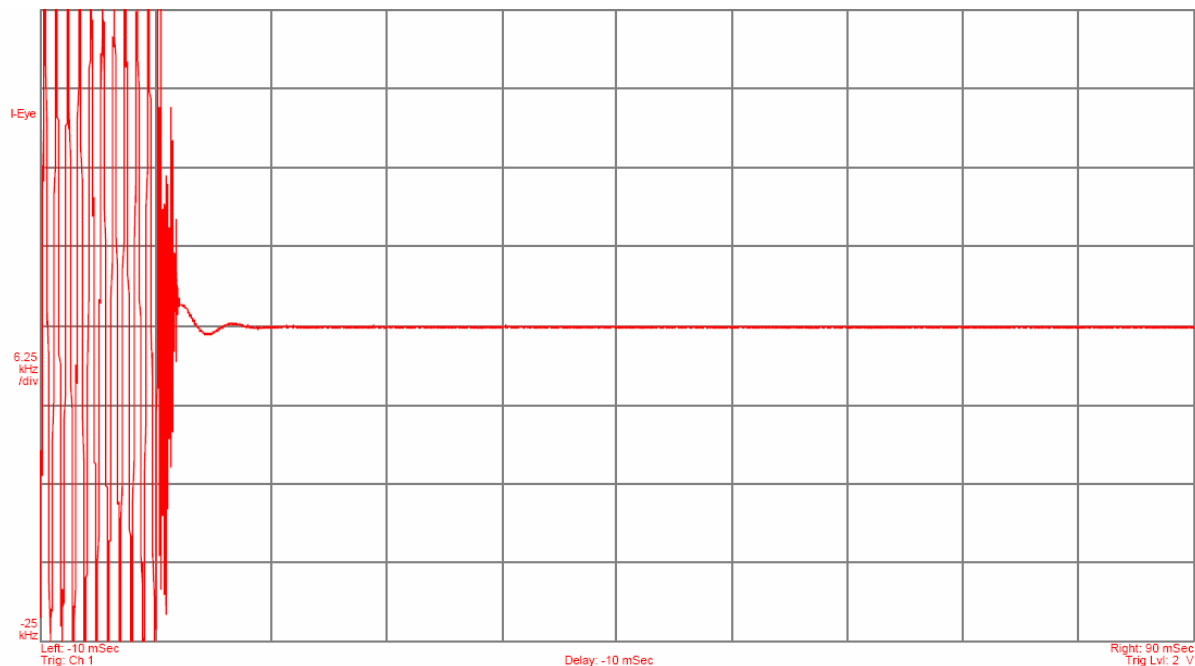


Fig. 3. Transmitter switched ON at -20°C . (12.5 kHz ch. sp.)

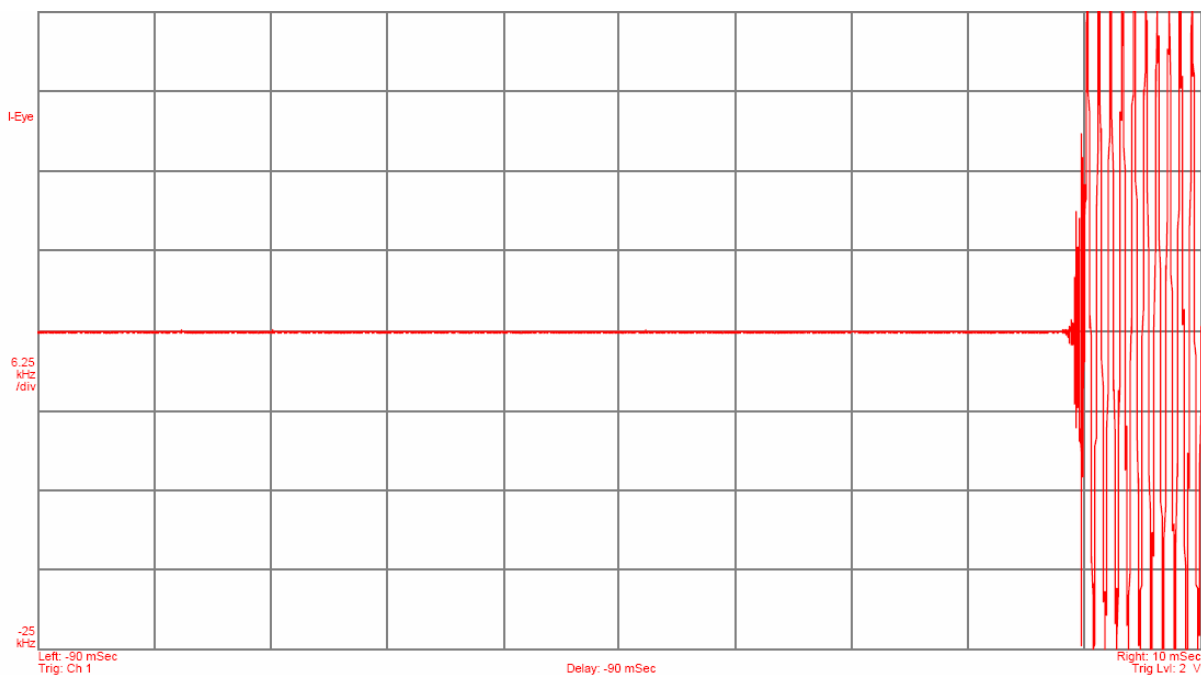


Fig. 4. Transmitter switched OFF at -20°C . (12.5 kHz ch. sp.)

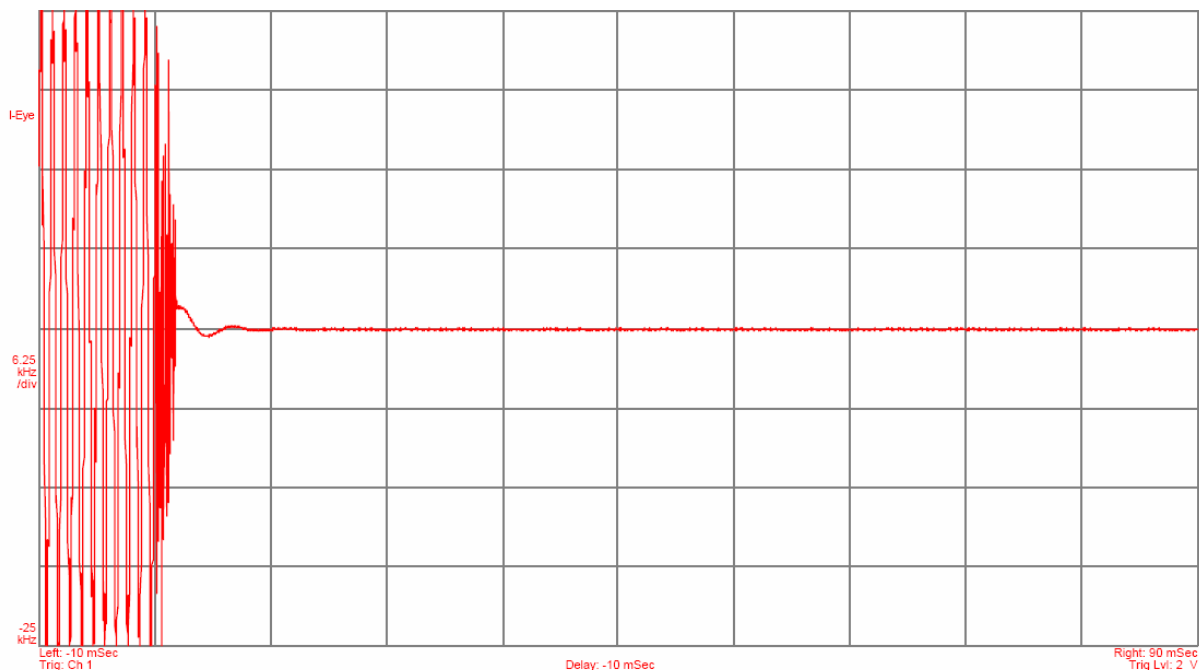


Fig. 5. Transmitter switched ON at -10°C . (12.5 kHz ch. sp.)

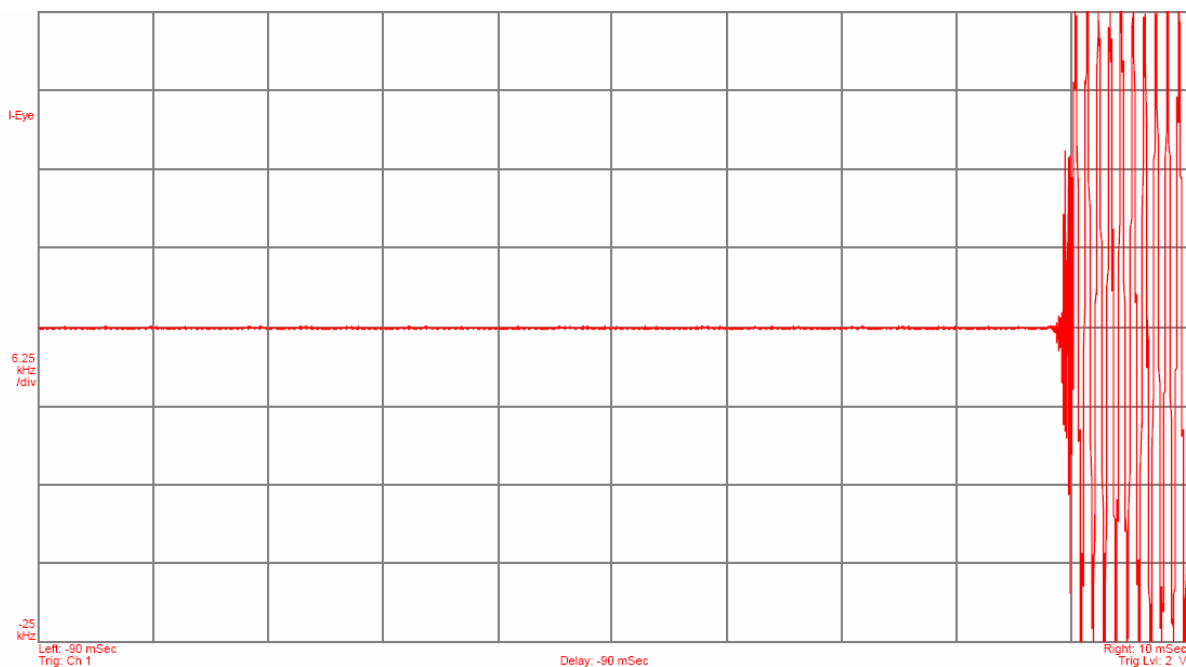


Fig. 6. Transmitter switched OFF at -10°C . (12.5 kHz ch. sp.)

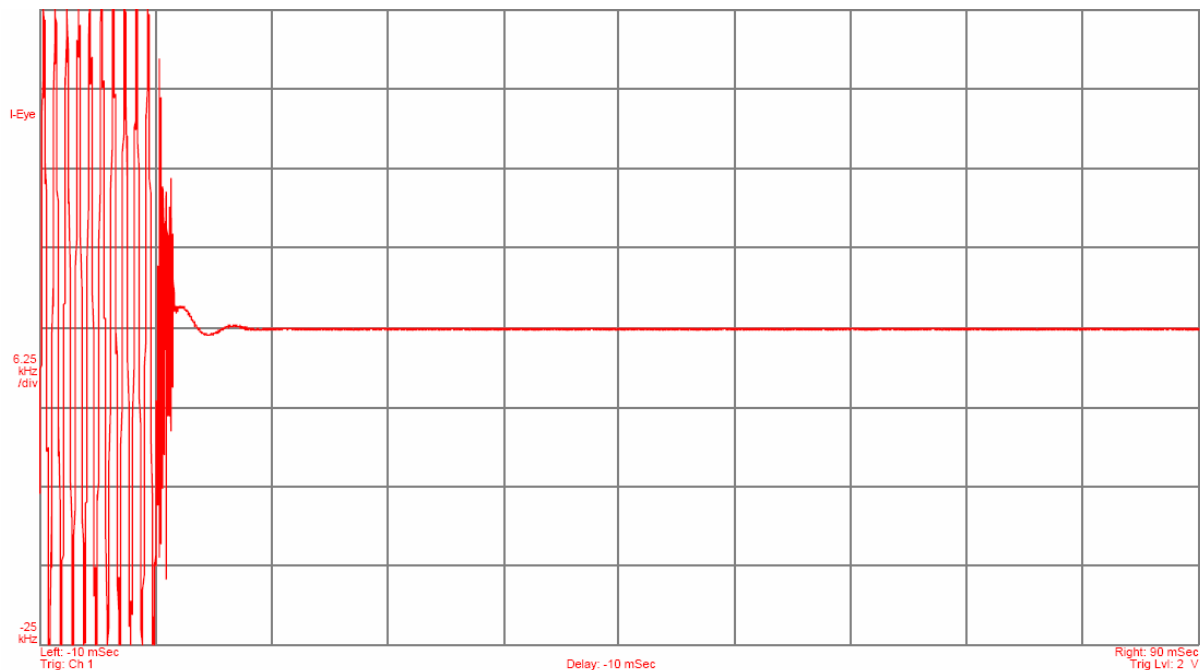


Fig. 7. Transmitter switched ON at 0 °C. (12.5 kHz ch. sp.)

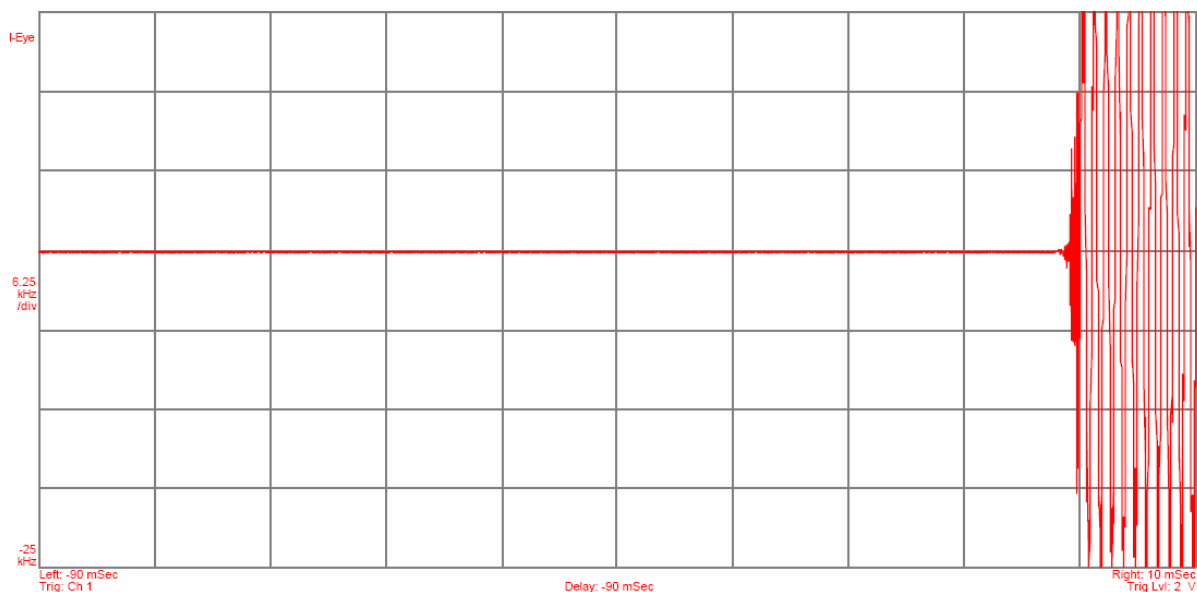


Fig. 8. Transmitter switched OFF at 0 °C. (12.5 kHz ch. sp.)

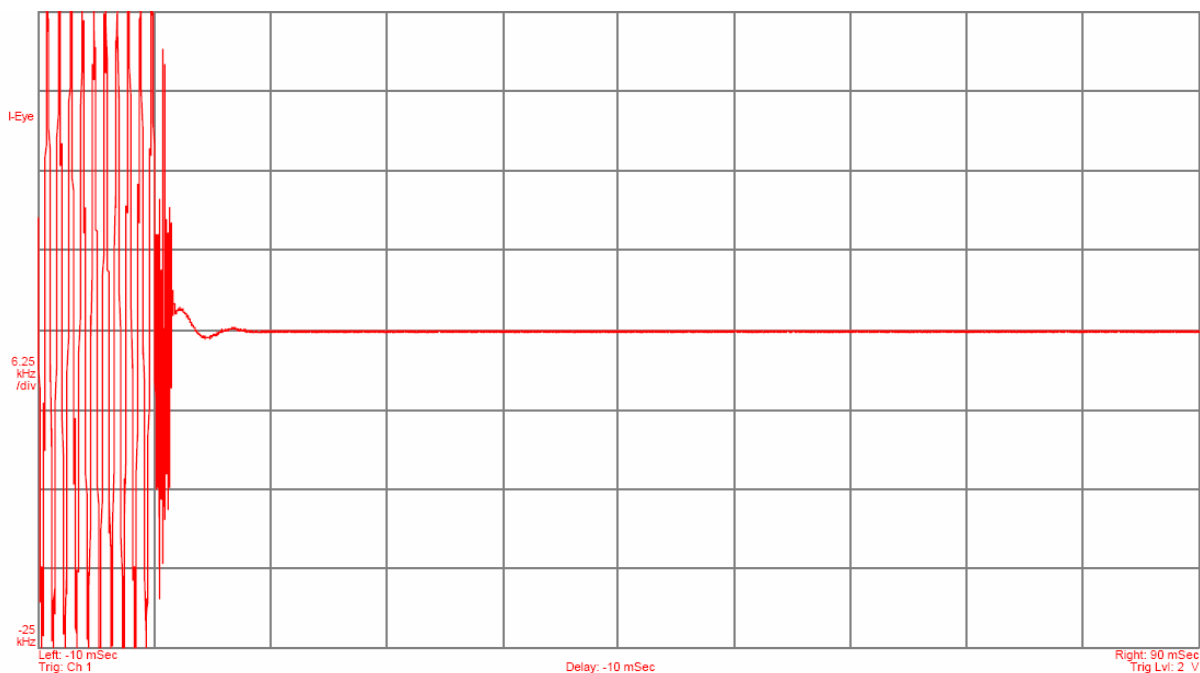


Fig. 9. Transmitter switched ON at +10 °C. (12.5 kHz ch. sp.)

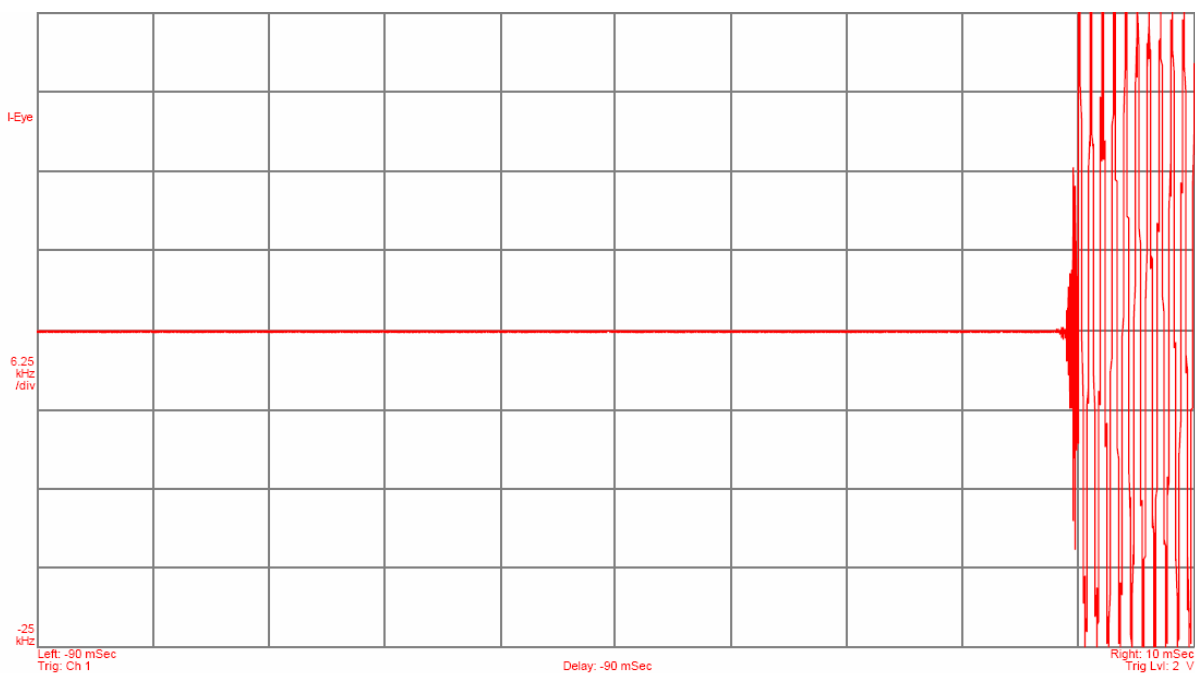


Fig. 10. Transmitter switched OFF at +10 °C. (12.5 kHz ch. sp.)

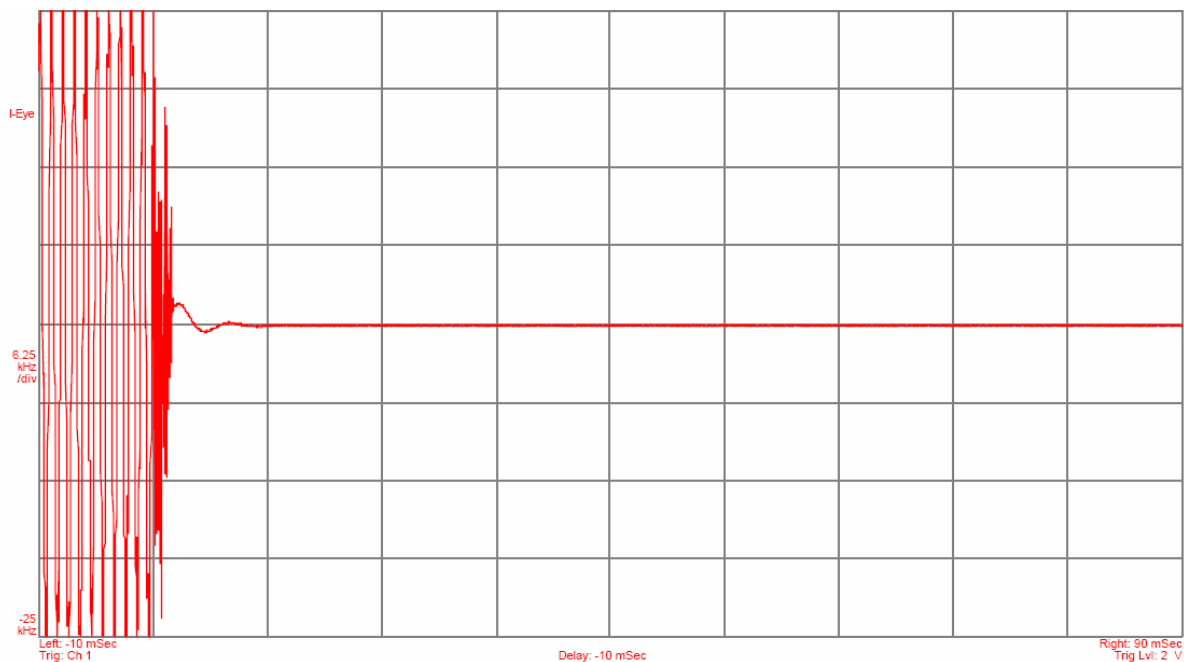


Fig. 11. Transmitter switched ON at +20 °C. (12.5 kHz ch. sp.)

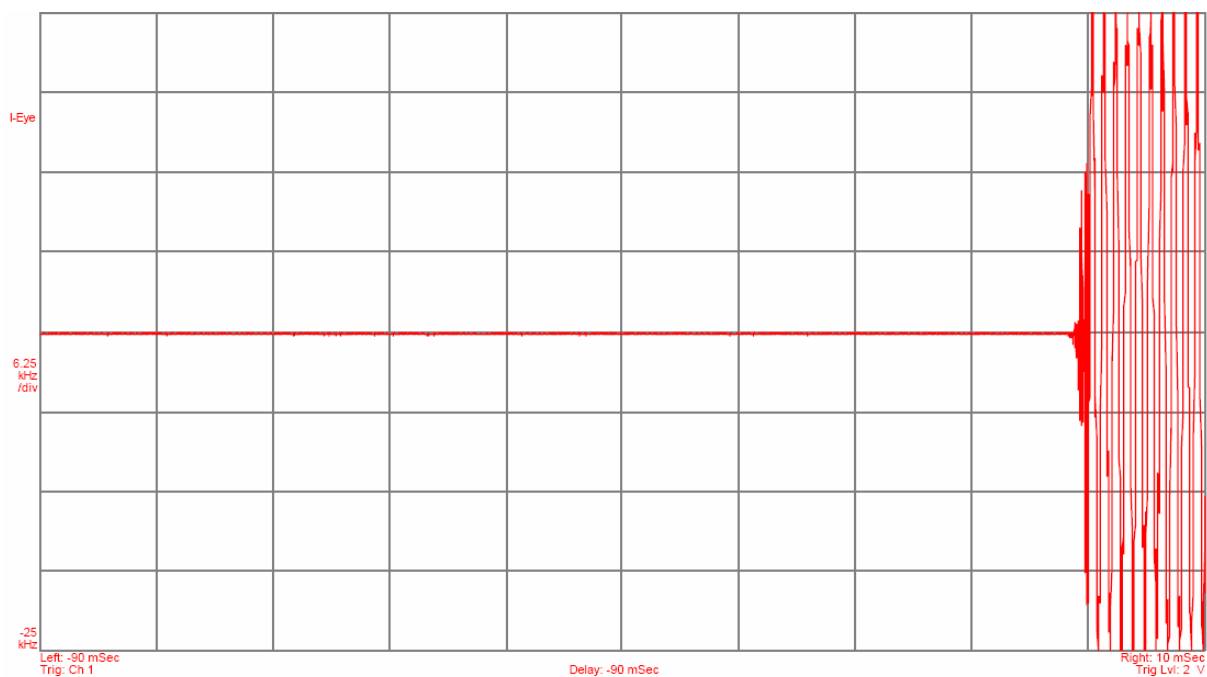


Fig. 12. Transmitter switched OFF at +20 °C. (12.5 kHz ch. sp.)

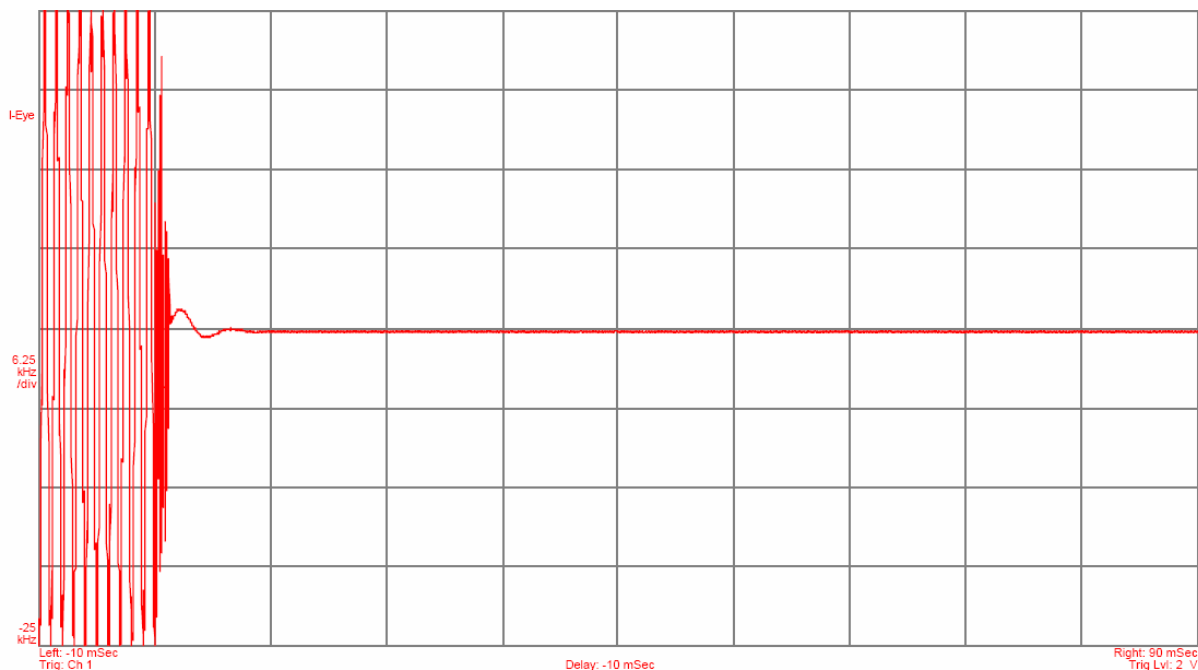


Fig. 13. Transmitter switched ON at +30 °C. (12.5 kHz ch. sp.)

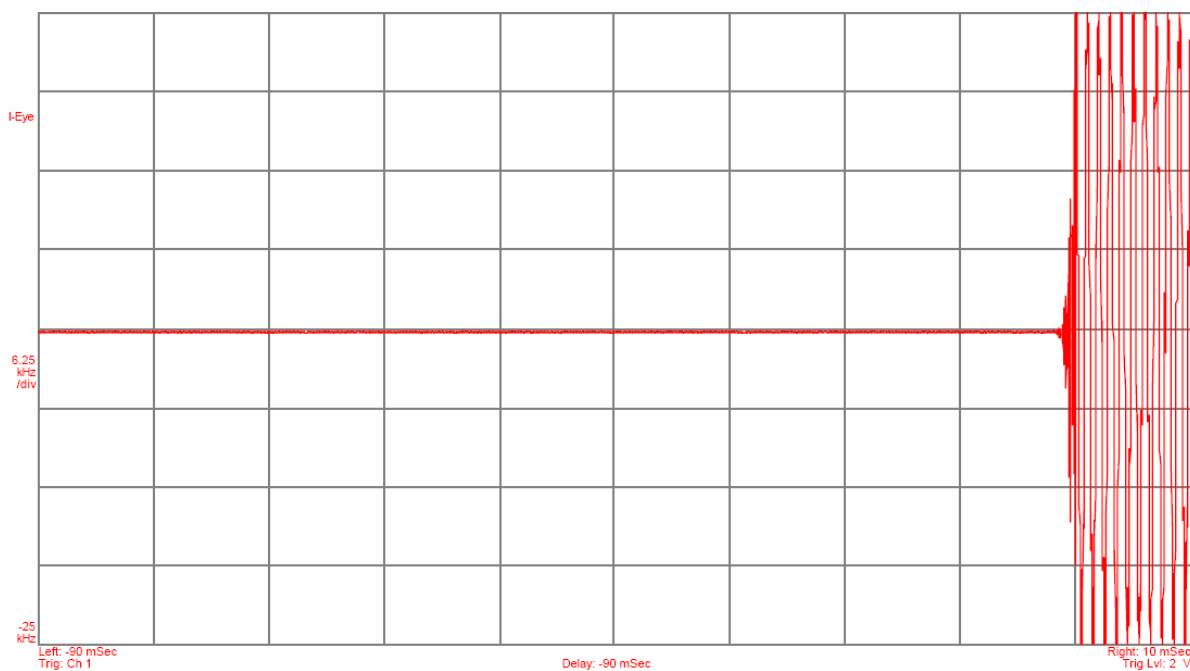


Fig. 14. Transmitter switched OFF at +30 °C. (12.5 kHz ch. sp.)

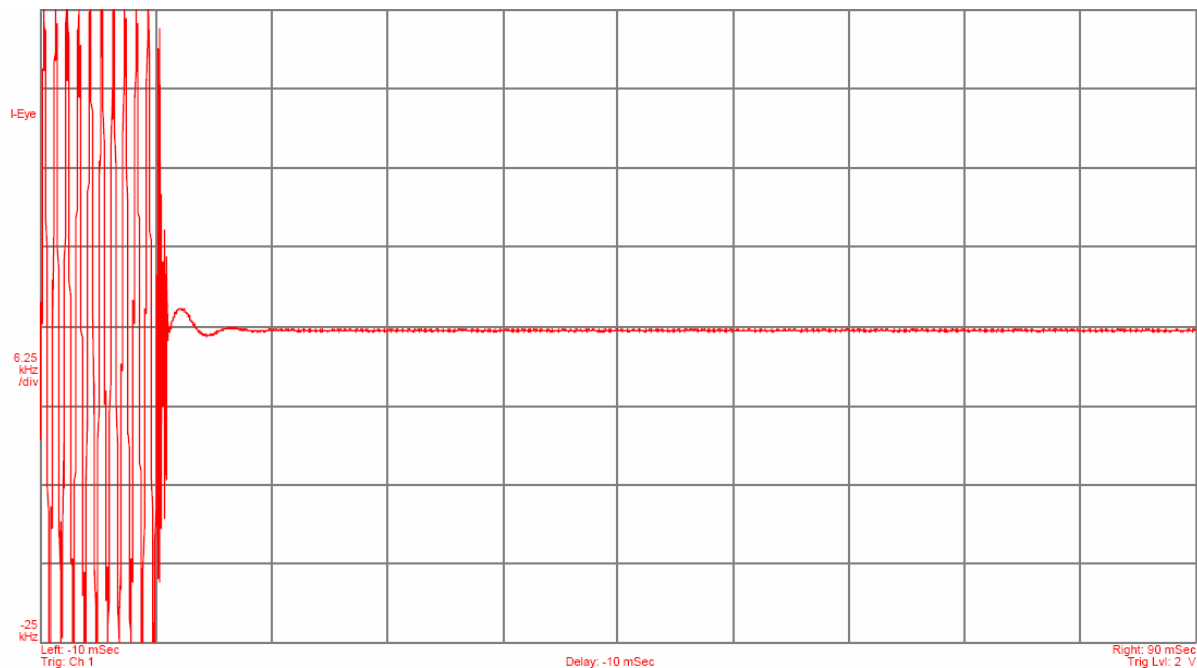


Fig. 15. Transmitter switched ON at +40 °C. (12.5 kHz ch. sp.)

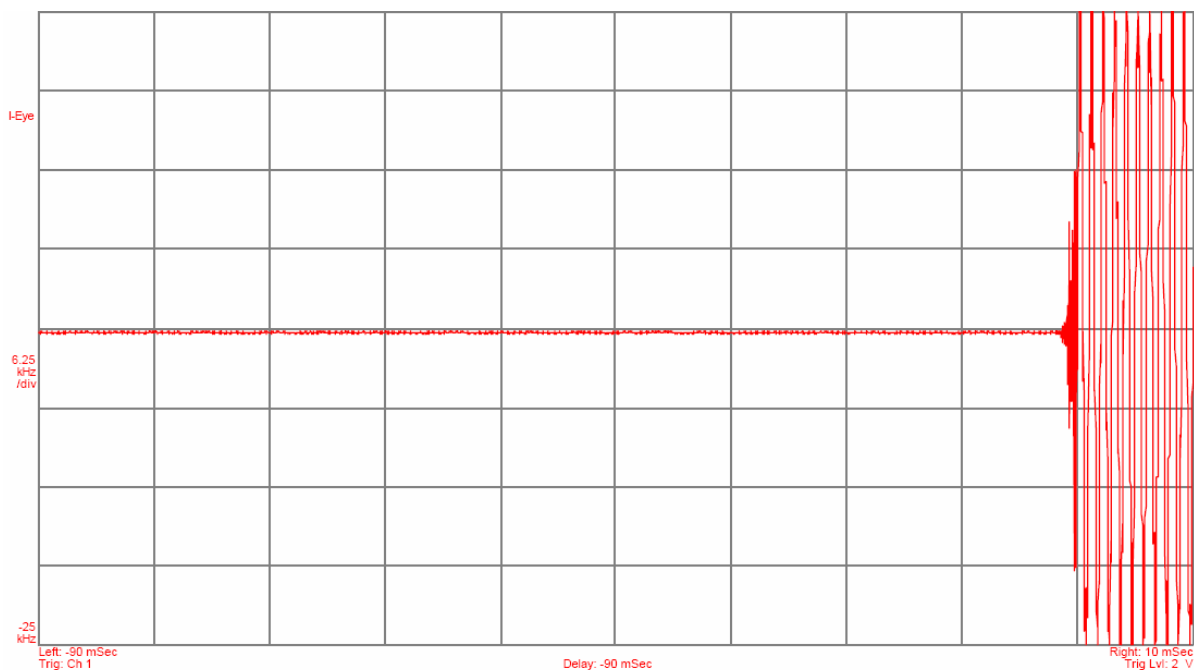


Fig. 16. Transmitter switched OFF at +40 °C. (12.5 kHz ch. sp.)

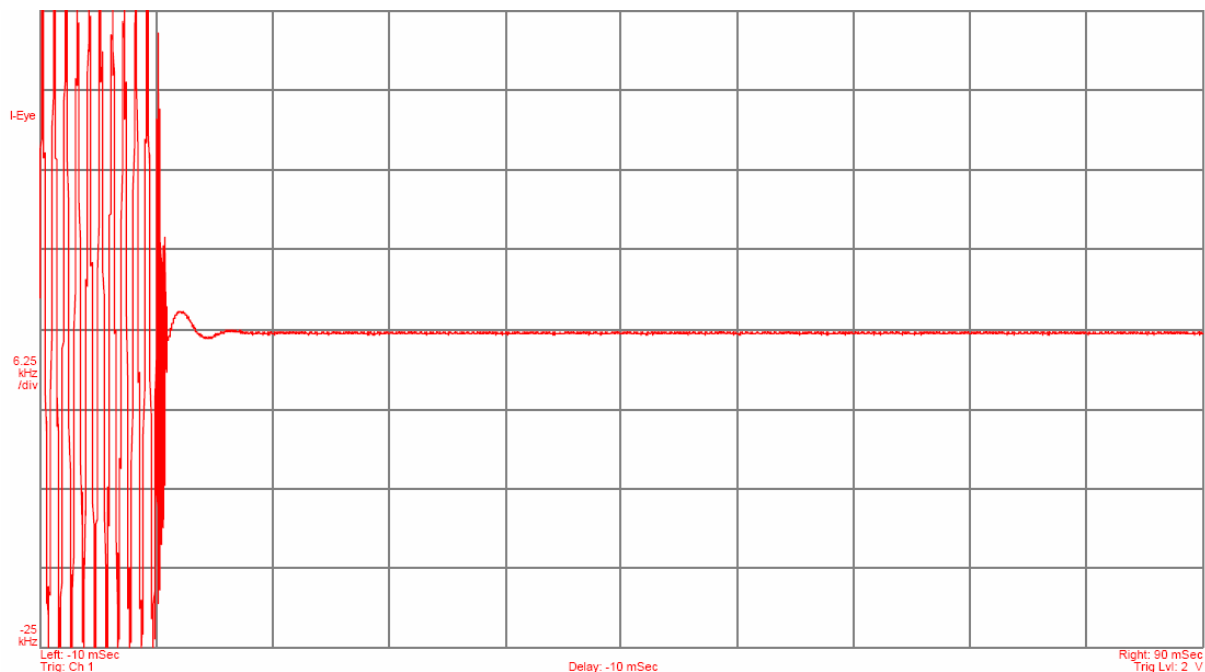


Fig. 17. Transmitter switched ON at +50 °C. (12.5 kHz ch. sp.)

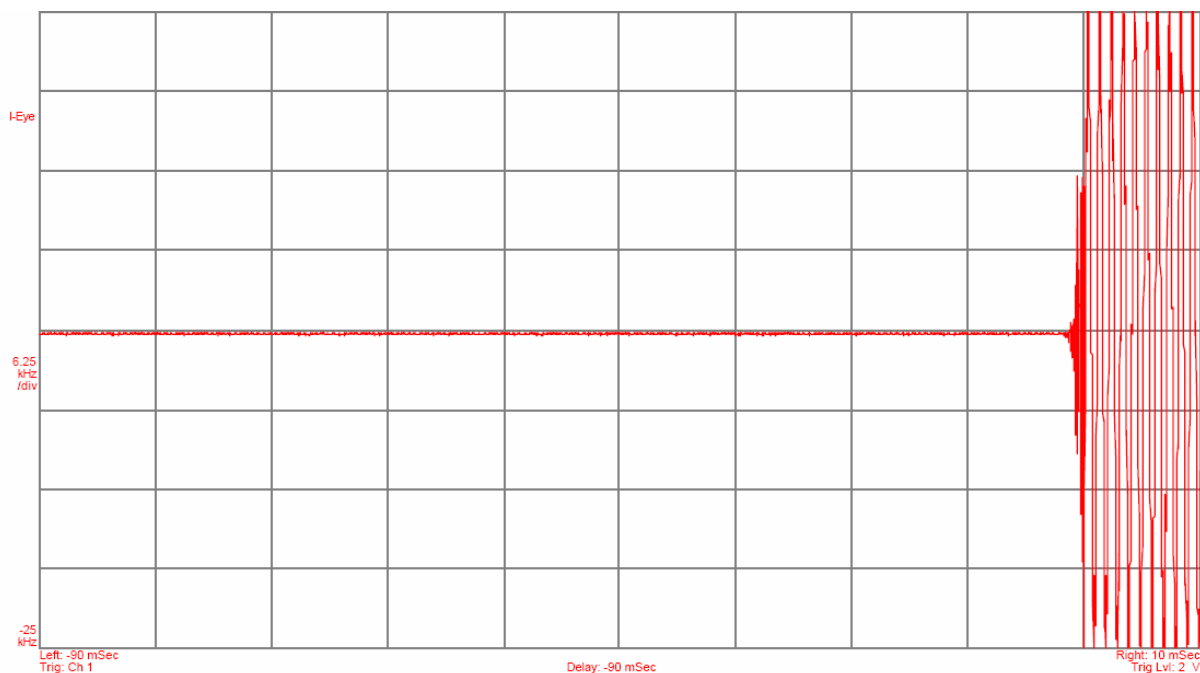


Fig. 18. Transmitter switched OFF at +50 °C. (12.5 kHz ch. sp.)