

TEST REPORT

REPORT NO: SATEL-TR-TiM
TEST PERIOD: 23.-27.10.2009
TEST SITE: Satel / R&D Dept., Salo

DEVICE UNDER TEST: SATEL-TA13

TESTS PERFORMED:

- Transient frequency behavior of the transmitter on various temperatures (-30, -20, -10, ± 0 , +10, +20, +30, +40, +50 °C).

TEST STANDARD: TIA-603-C clause 2.2.19.2.

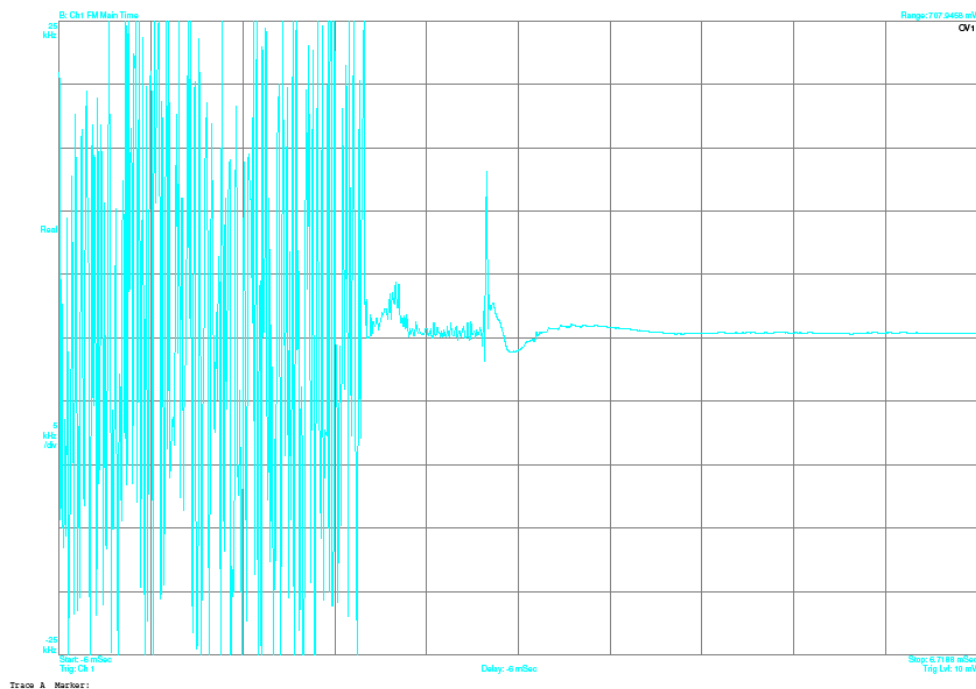
LIST OF MEASURING EQUIPMENT:

- Power supply Thurlby Thandar Instruments EX354T Serial nro. 140816
- Temperature test chamber Vötsch VT4002 Serial nro. 58566085500010
- Vector signal analyzer HP E4406A Serial nro. US39030380

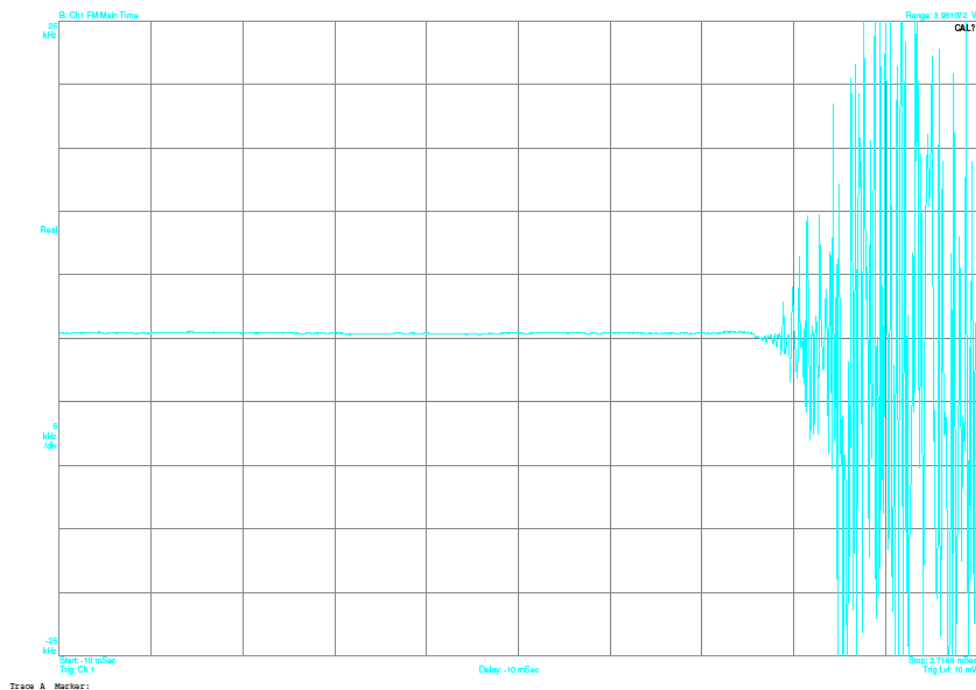
TESTS PERFORMED BY:

Timoteus Marttila

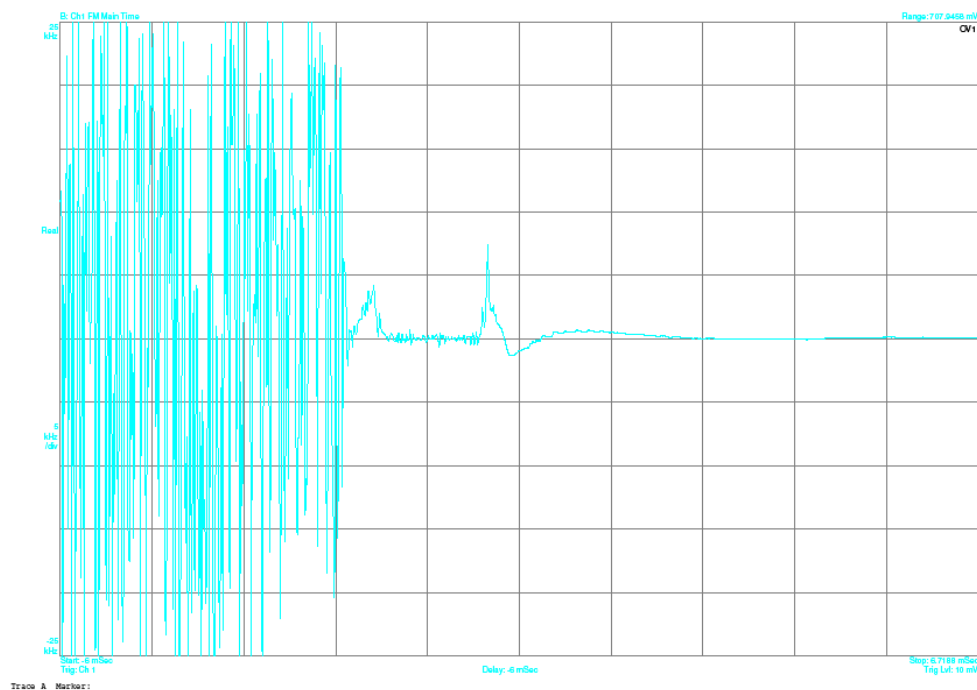
TEST RESULTS



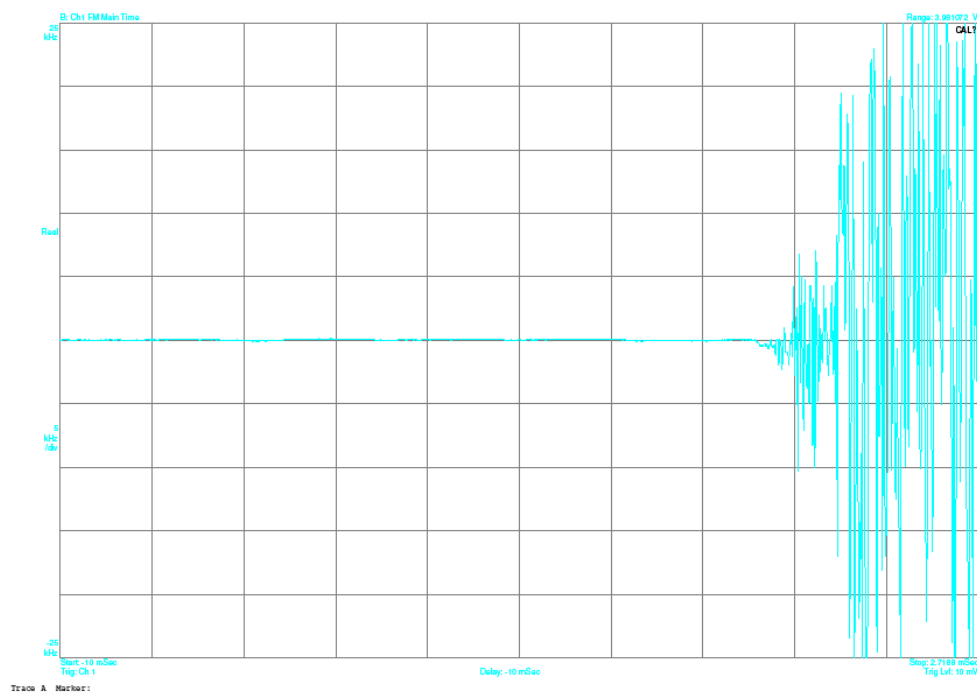
Picture1: Transmitter ON transient at -30 degrees.



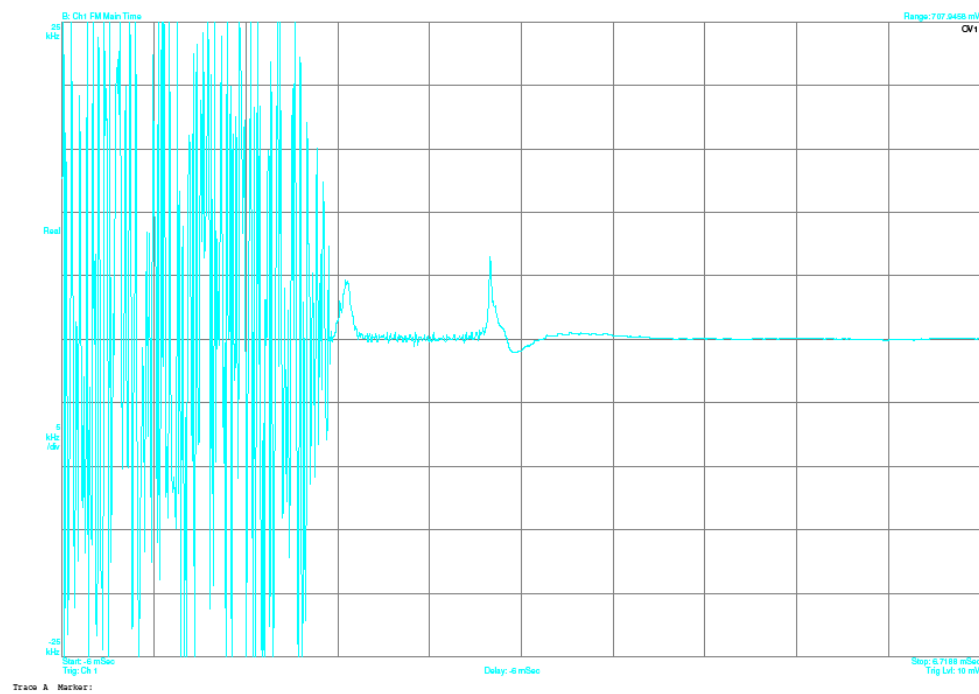
Picture 2: Transmitter OFF transient at -30 degrees.



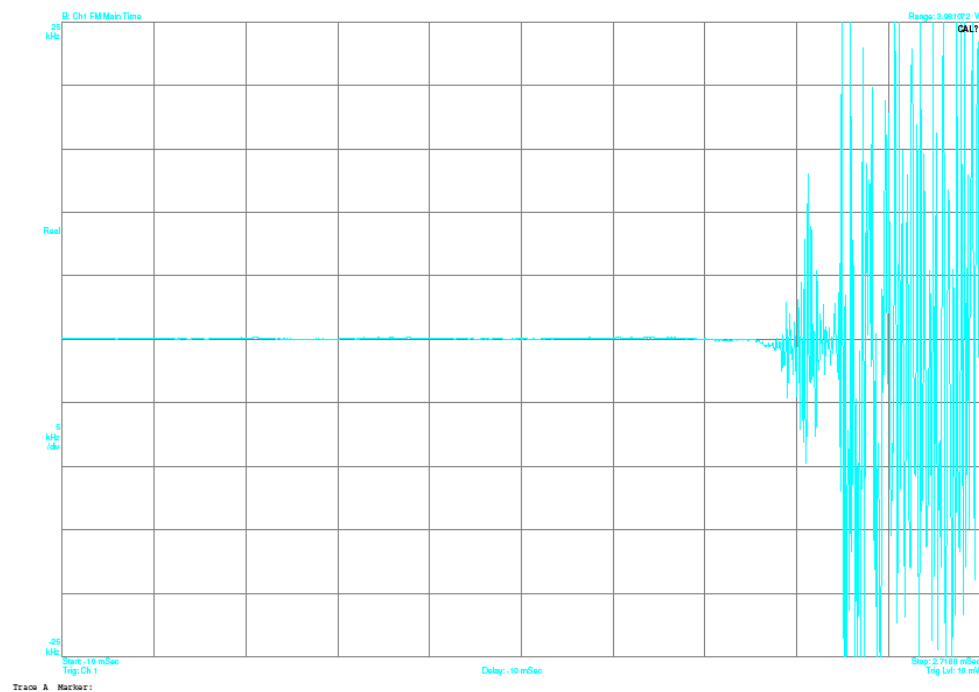
Picture 3: Transmitter ON transient at -20 degrees.



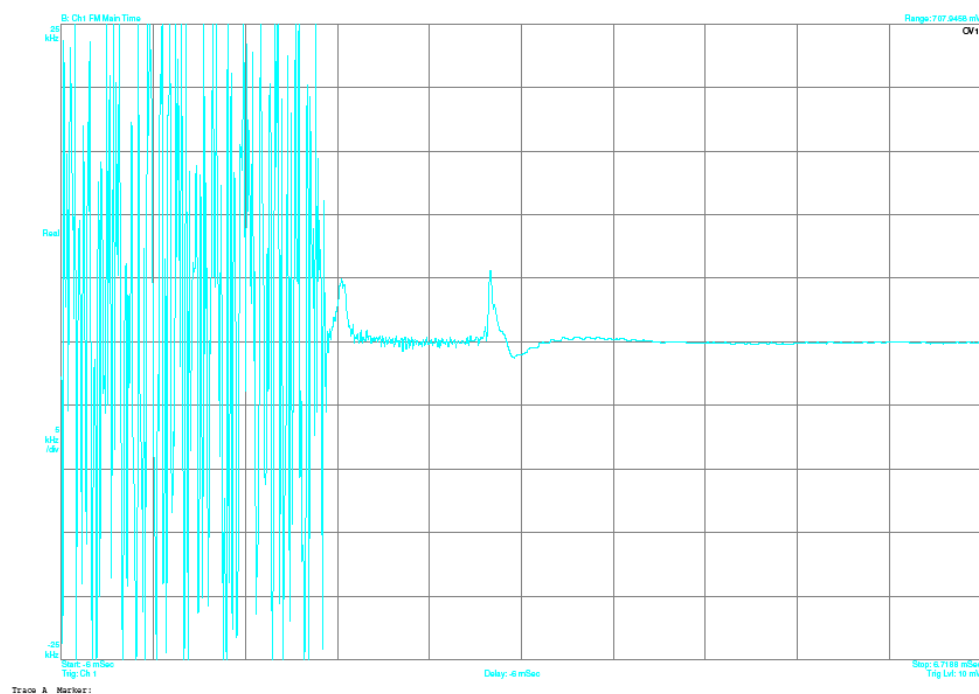
Picture 4: Transmitter OFF transient at -20 degrees.



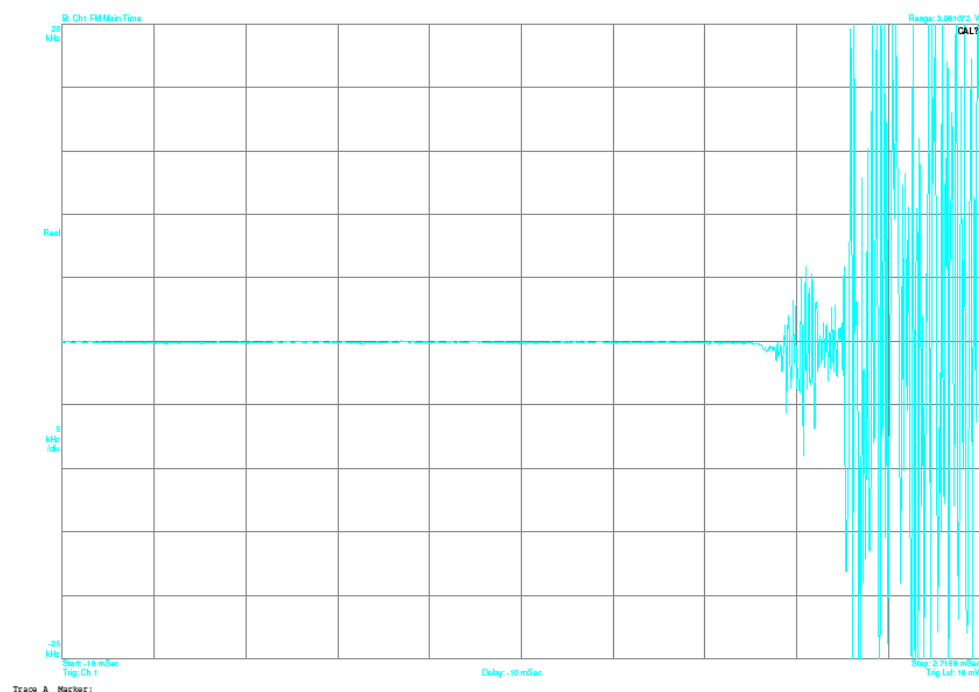
Picture 5: Transmitter ON transient at -10 degrees.



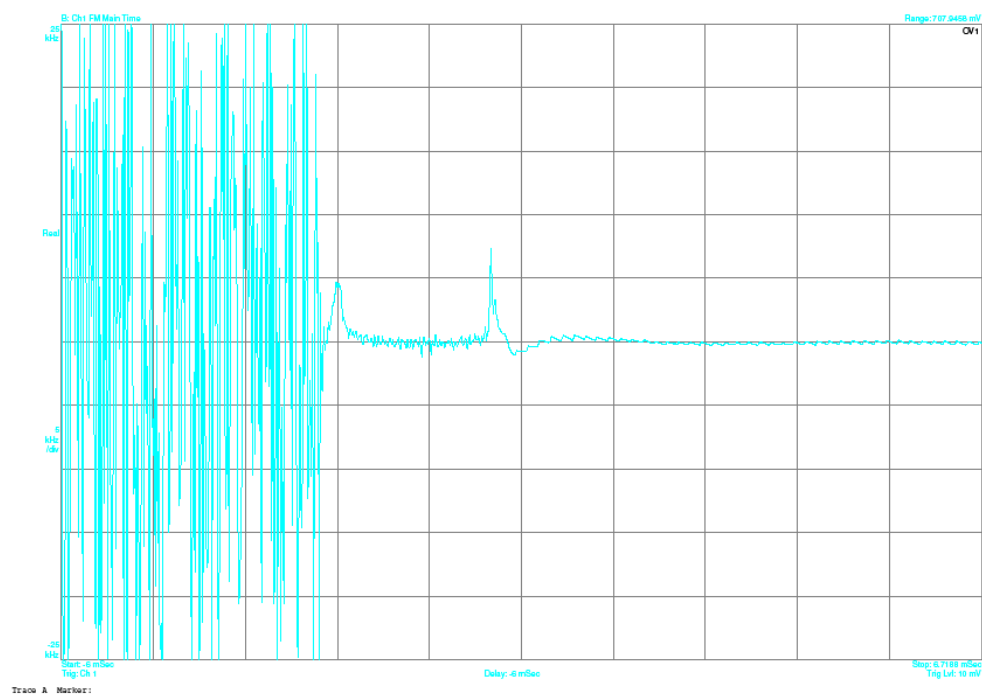
Picture 6: Transmitter OFF transient at -10 degrees.



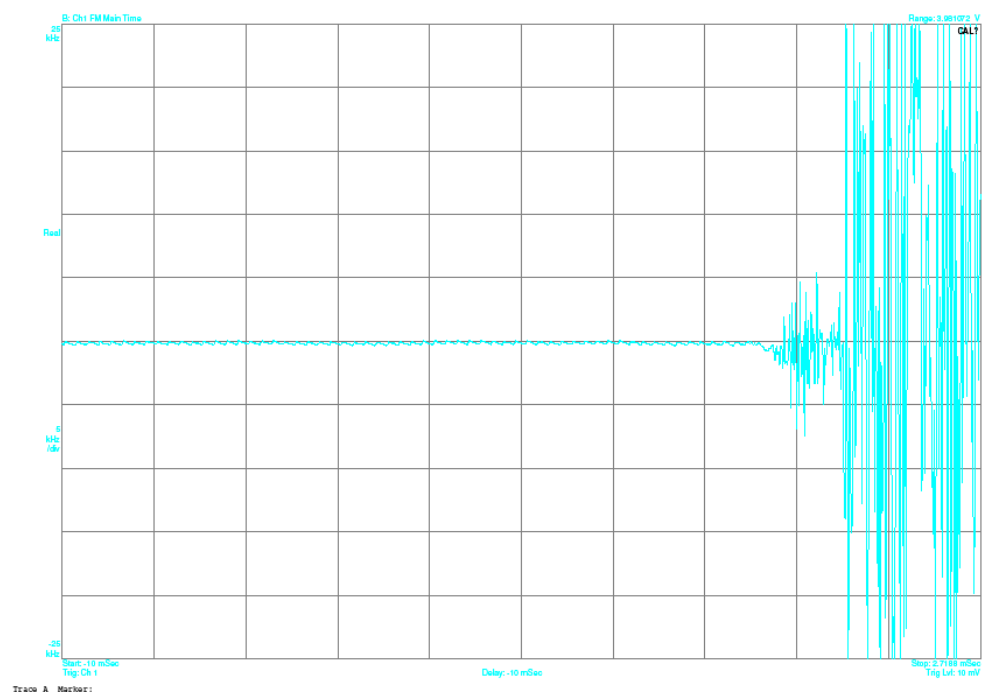
Picture 7: Transmitter ON transient at 0 degrees.



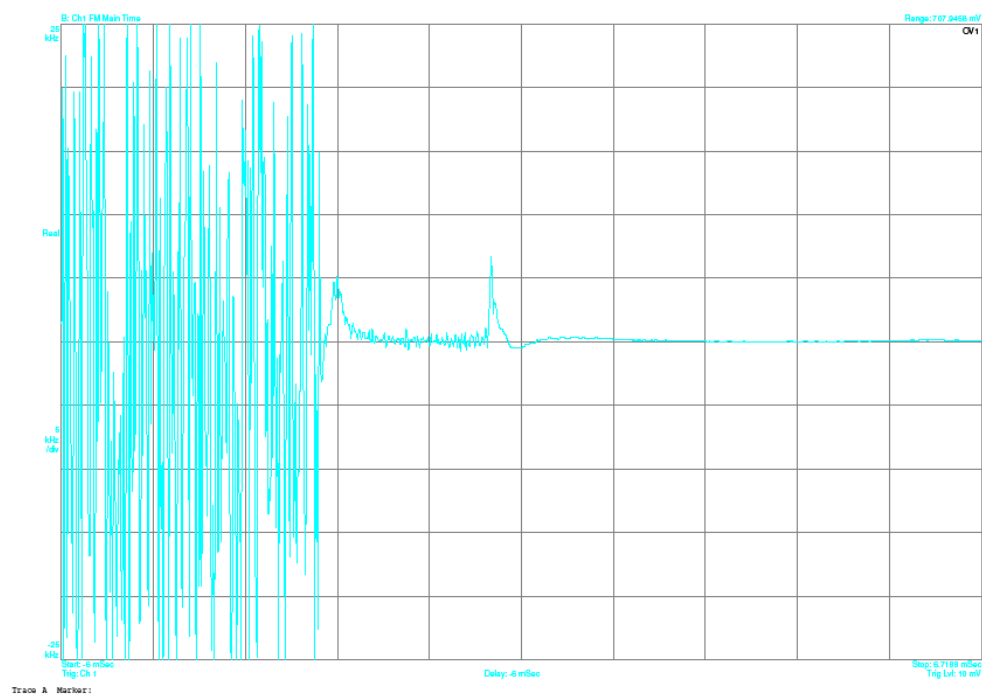
Picture 8: Transmitter OFF transient at 0 degrees.



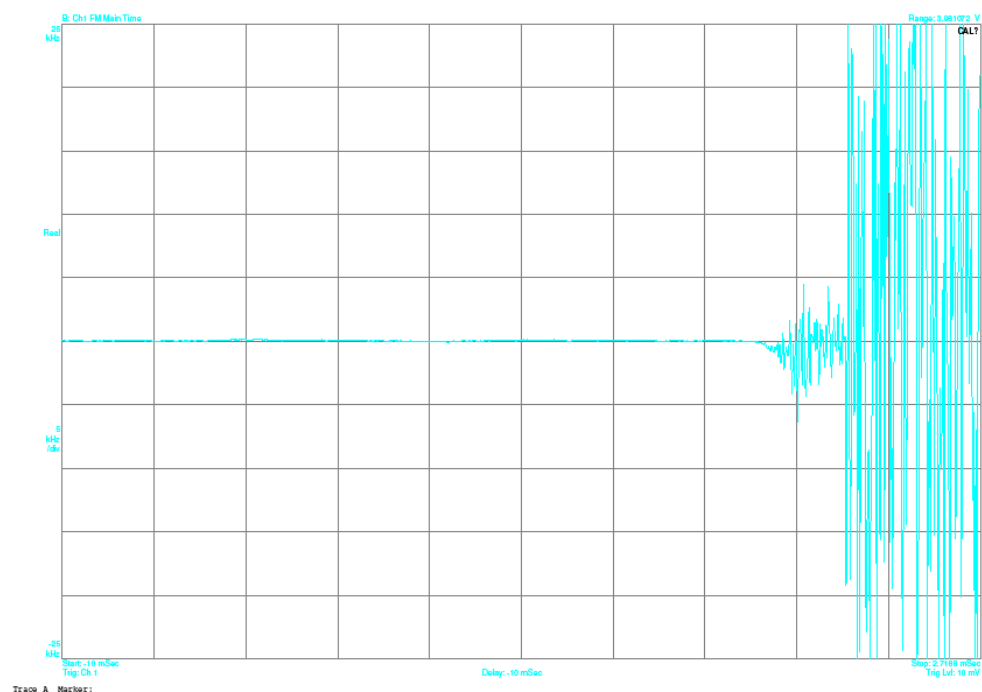
Picture 9: Transmitter ON transient at 10 degrees.



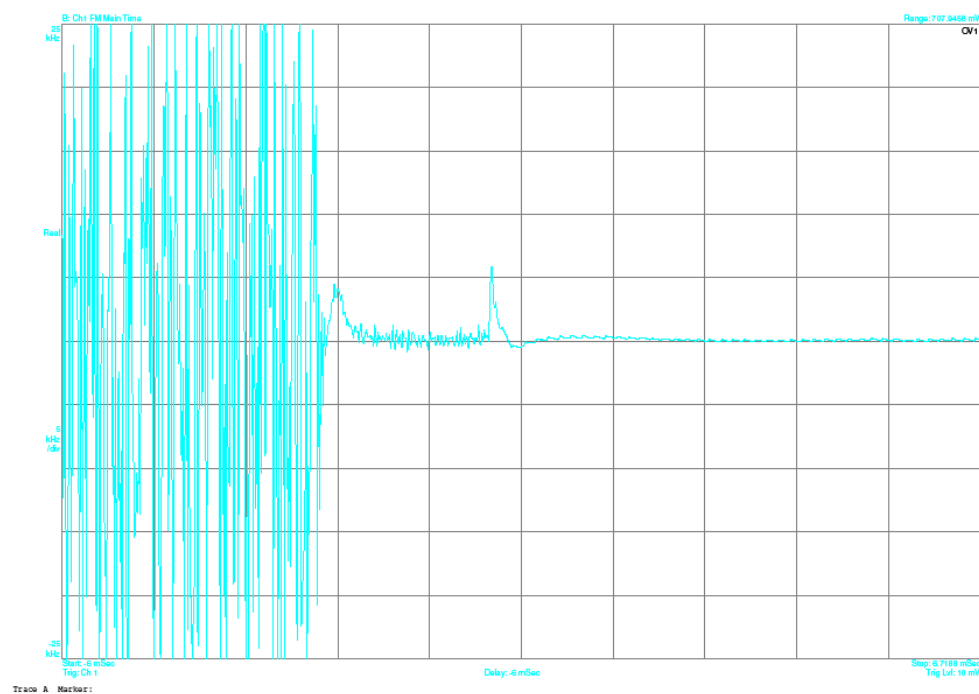
Picture 10: Transmitter OFF transient at 10 degrees.



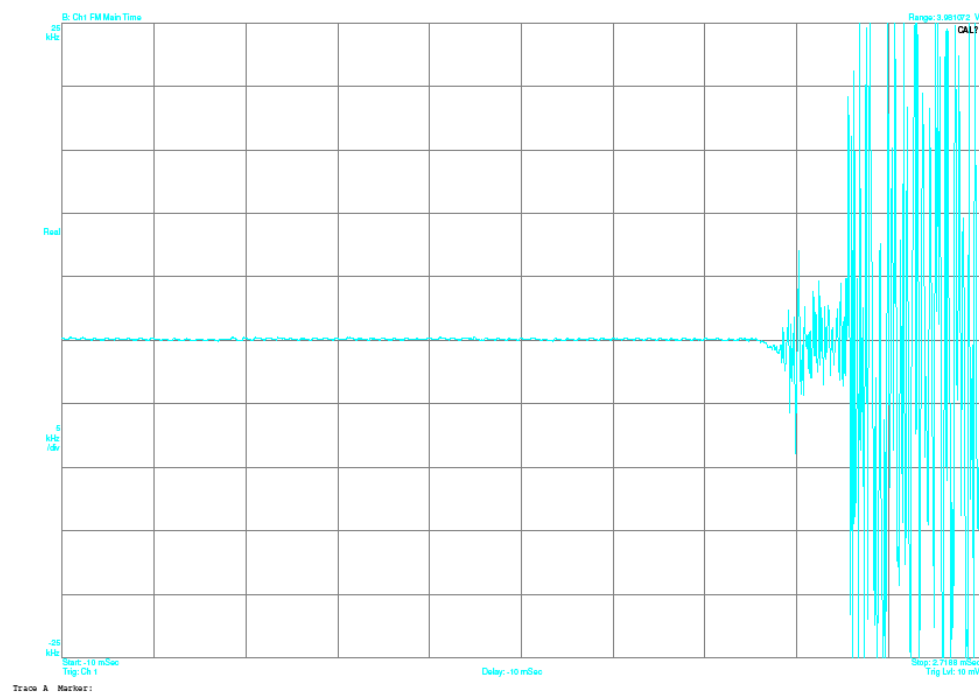
Picture 11: Transmitter ON transient at 20 degrees.



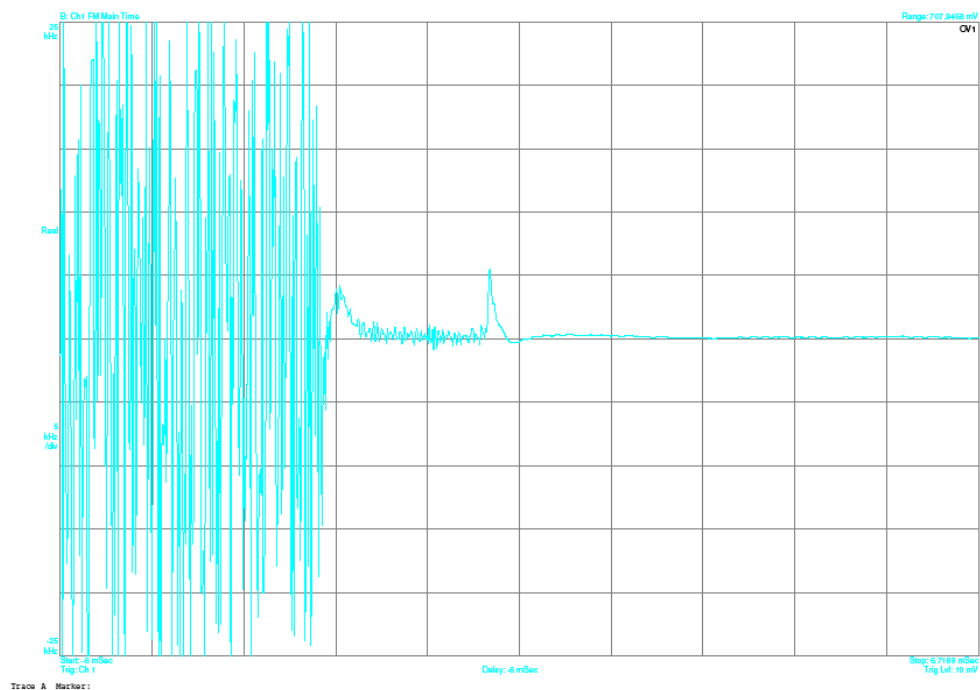
Picture 12: Transmitter OFF transient at 20 degrees.



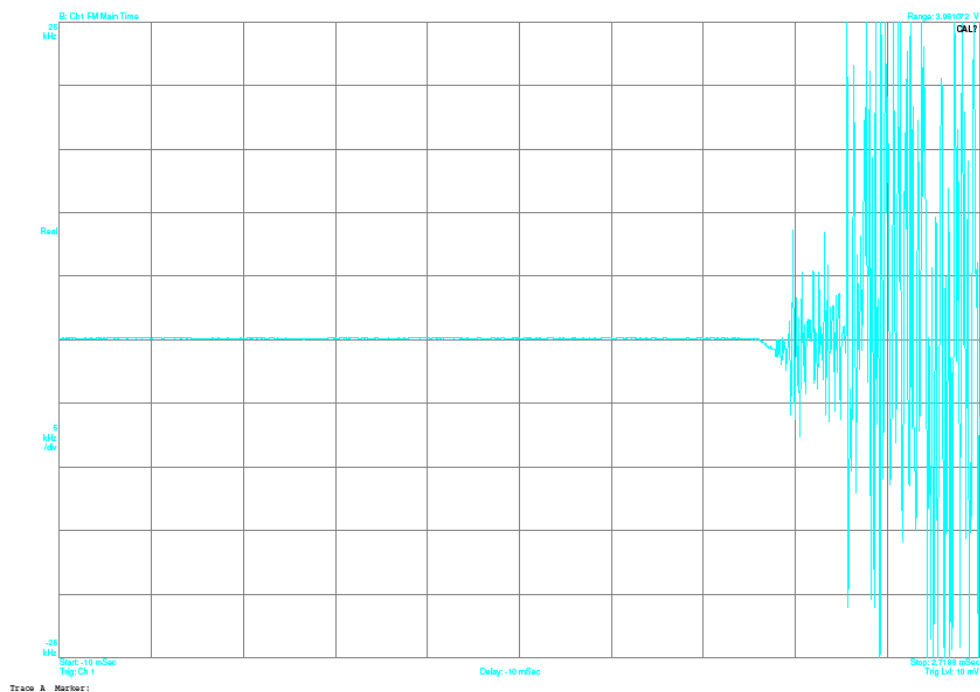
Picture 13: Transmitter ON transient at 30 degrees.



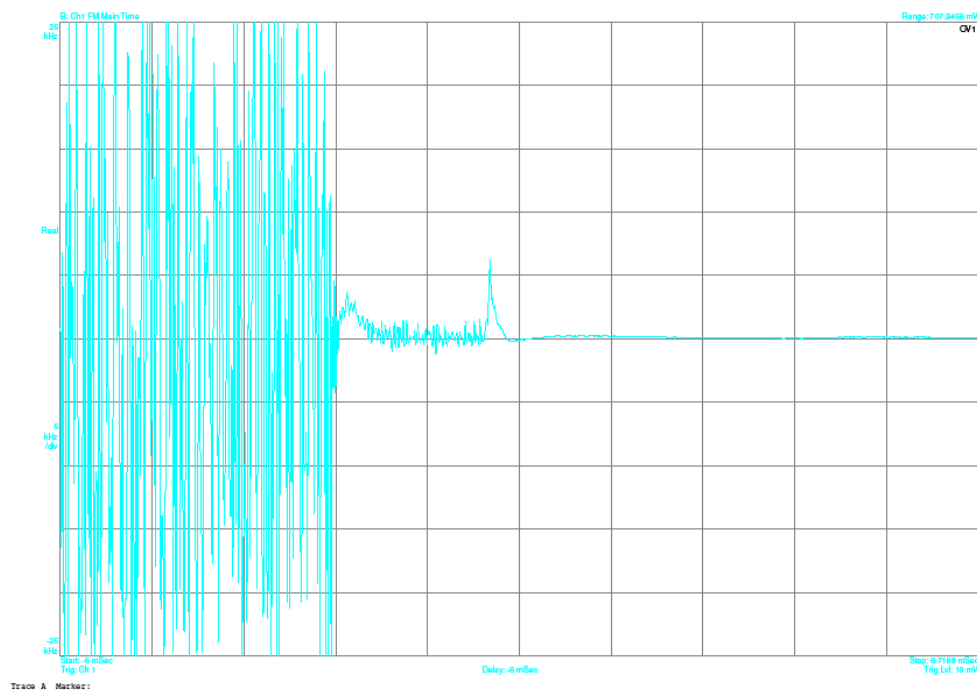
Picture 14: Transmitter OFF transient at 30 degrees.



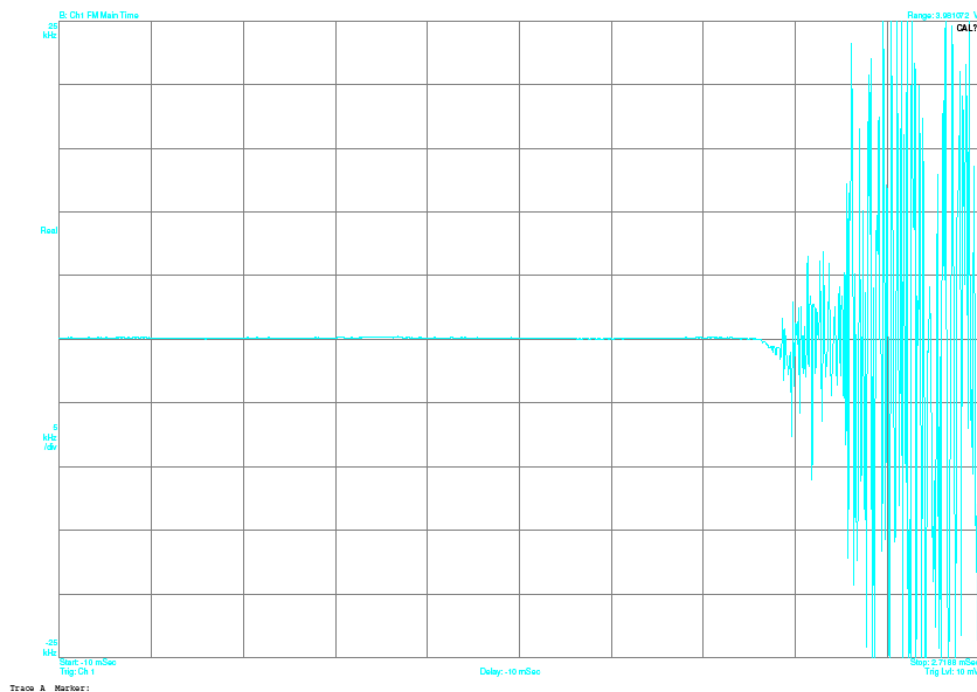
Picture 15: Transmitter ON transient at 40 degrees.



Picture 16: Transmitter OFF transient at 40 degrees.



Picture 17: Transmitter ON transient at 50 degrees.



Picture 18: Transmitter OFF transient at 50 degrees.