

TEST REPORT

REPORT NO: SATEL-TR-TiM
TEST PERIOD: 27.-28.10.2009
TEST SITE: Satel / R&D Dept., Salo

DEVICE UNDER TEST: SATEL-TA13

TESTS PERFORMED:

Sideband Spectrum:

- 12.5 kHz channel spacing, transmitter frequency 420 MHz (page 2, figure 1)
- 12.5 kHz channel spacing, transmitter frequency 460 MHz (page 3, figure 2)
- 25 kHz channel spacing, transmitter frequency 420 MHz (pages 4-5, figures 3-4)
- 25 kHz channel spacing, transmitter frequency 460 MHz (pages 6-7, figures 5-6)

Note: transmitter modulated with pseudorandom data

TEST STANDARD: TIA/EIA-603, clause 2.2.11.

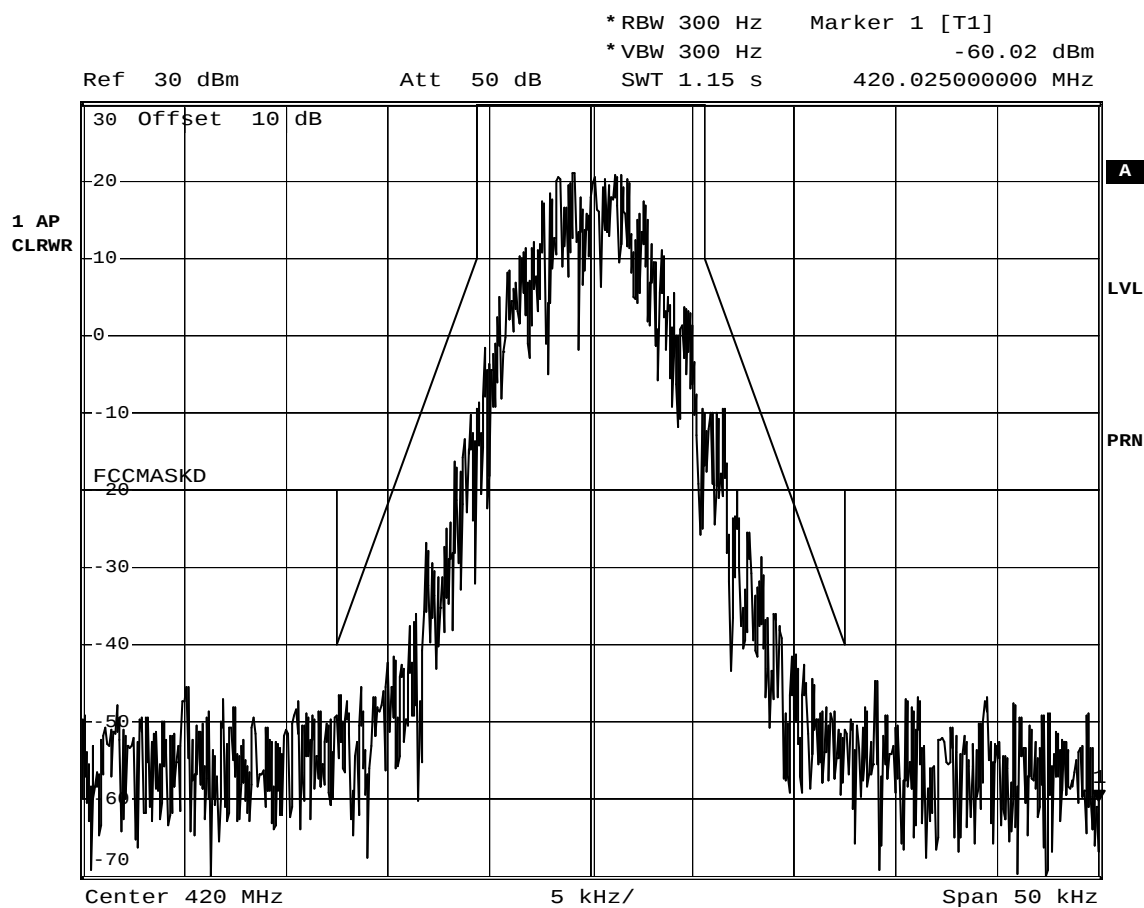
LIST OF MEASURING EQUIPMENT:

- Power supply Thurlby Thandar Instruments EX354T Serial nro. 140816
- Spectrum analyzer Rohde & Schwarz FSP Serial nro. 100428

TESTS PERFORMED BY:

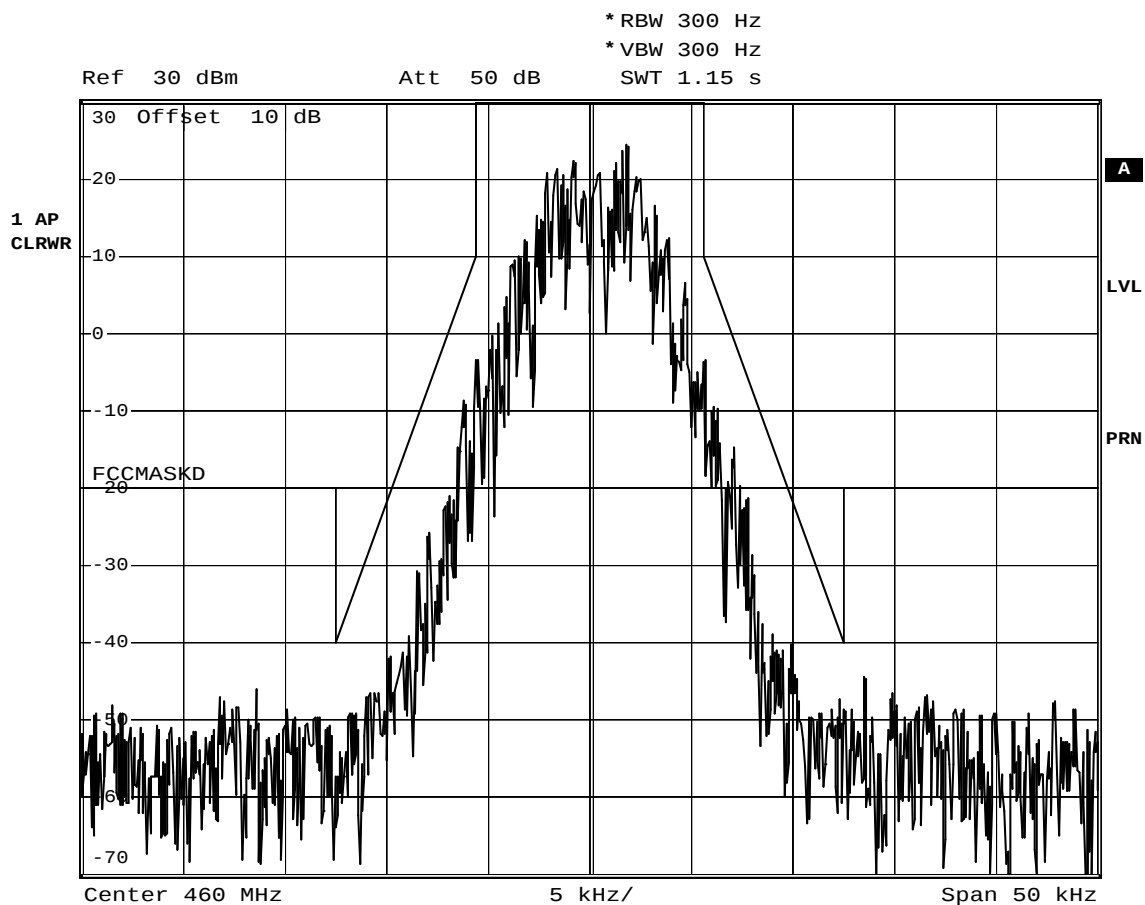
Timoteus Marttila

TEST RESULTS

Test at 12.5 kHz channel spacing

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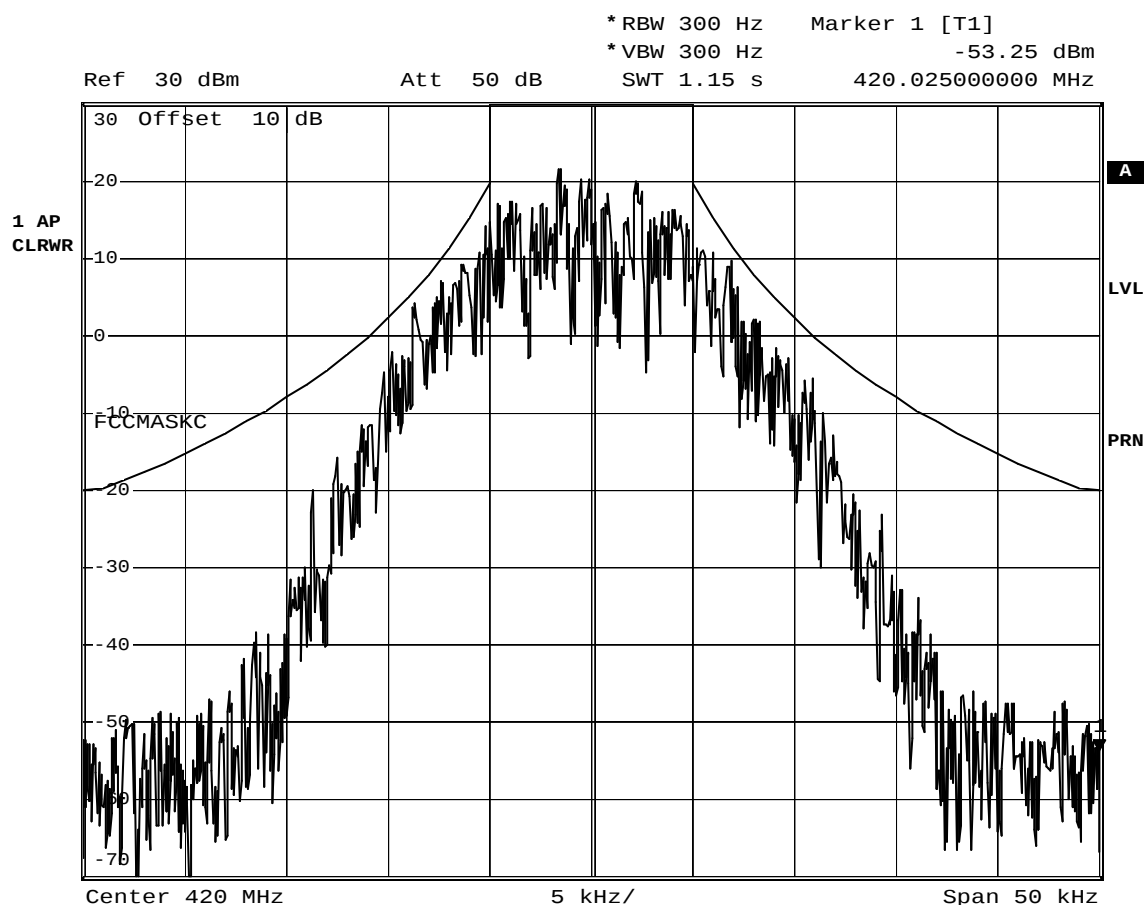
Figure 1. Sideband spectrum at 12.5 kHz channel spacing, transmitter frequency 420.000MHz, showing compliance with the emission mask D.



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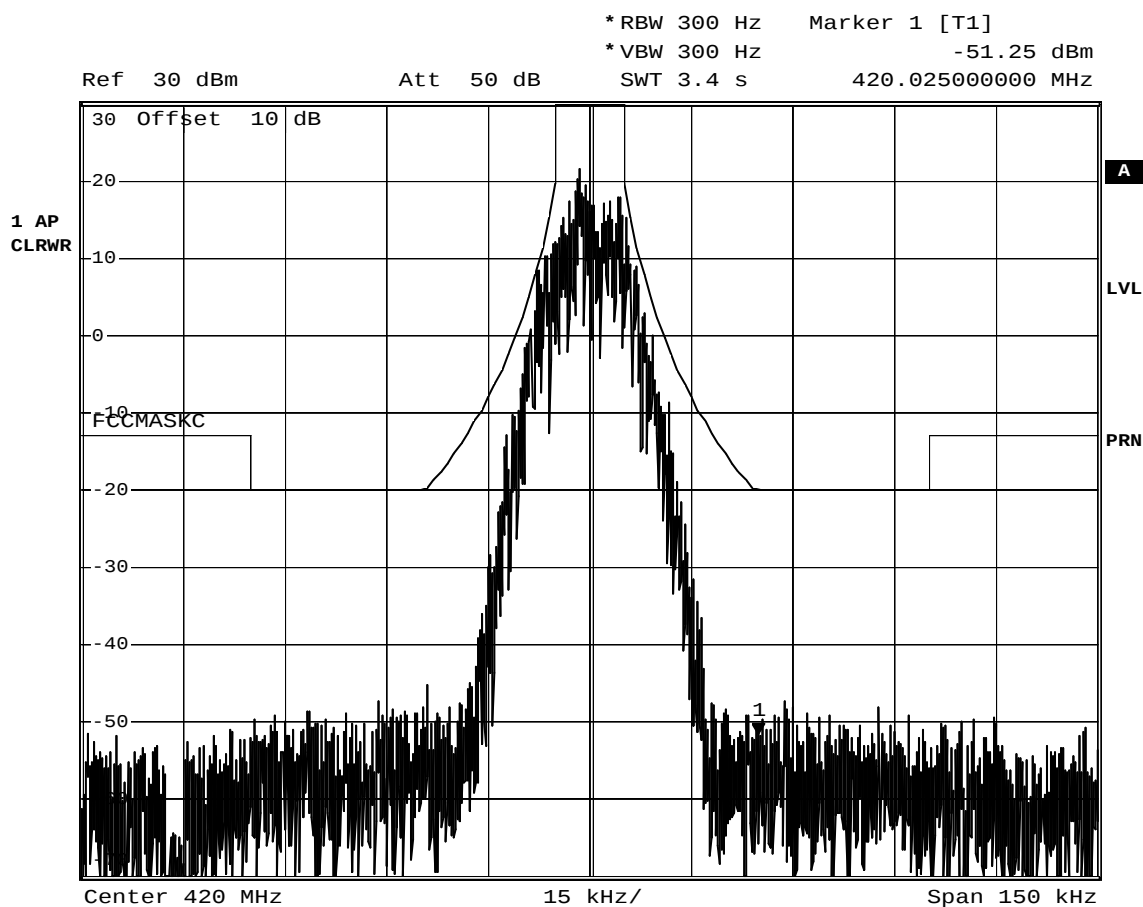
Figure 2. Sideband spectrum at 12.5 kHz channel spacing, transmitter frequency 460.000MHz, showing compliance with the emission mask D.

Test at 25 kHz channel spacing



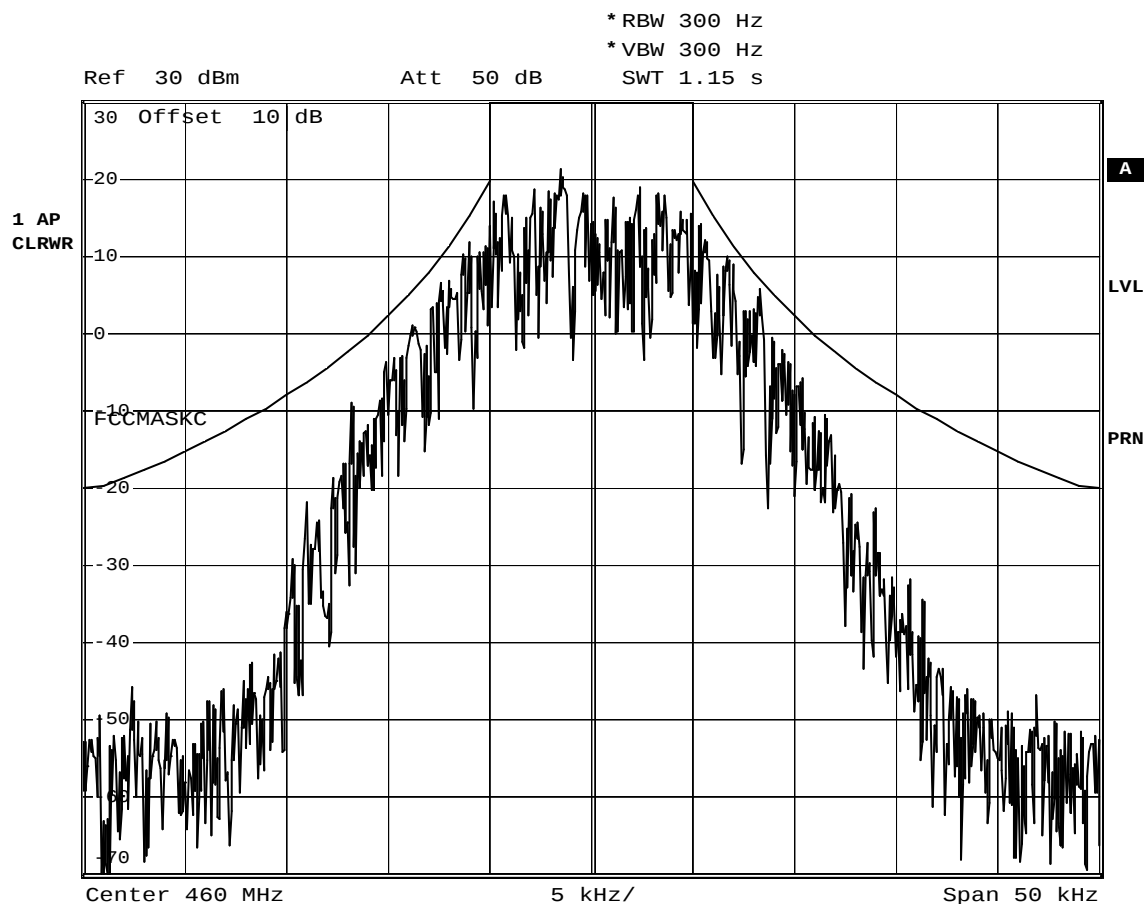
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Figure 3. Sideband spectrum at 25 kHz channel spacing, transmitter frequency 420.000MHz, showing compliance with the emission mask C, span 50kHz



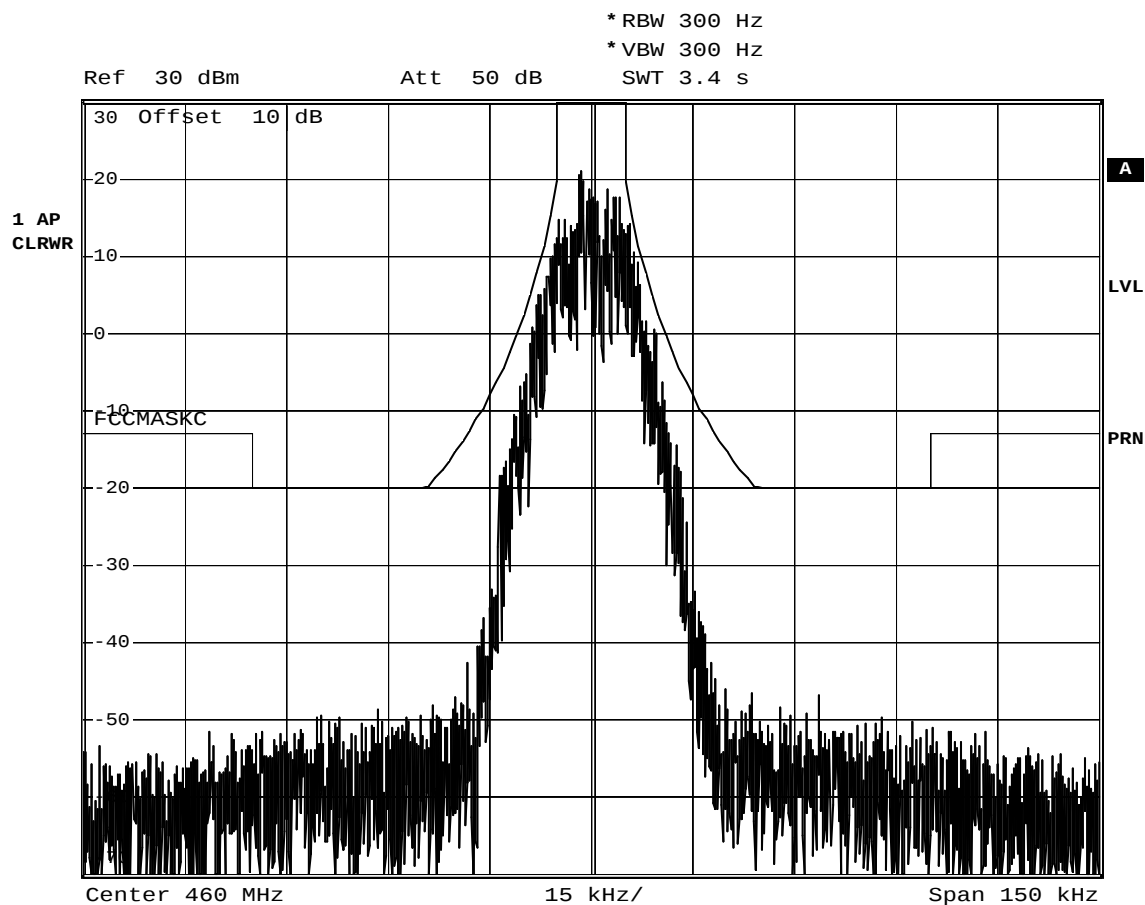
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Figure 4. Sideband spectrum at 25 kHz channel spacing, transmitter frequency 420.000MHz, showing compliance with the emission mask C, span 150kHz



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Figure 5. Sideband spectrum at 25 kHz channel spacing, transmitter frequency 460.000MHz, showing compliance with the emission mask C, span 50kHz



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Figure 6. Sideband spectrum at 25 kHz channel spacing, transmitter frequency 460.000MHz, showing compliance with the emission mask C, span 150kHz