

TEST REPORT

REPORT NO: SATEL-TiM-2010-6
TEST PERIOD: 15.9.2010
TEST SITE: Satel / R&D Dept., Salo

DEVICE UNDER TEST: TA18

TESTS PERFORMED:

Emission mask (CRF47: 90.210 & 2.1049)

- 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

LIST OF MEASURING EQUIPMENT:

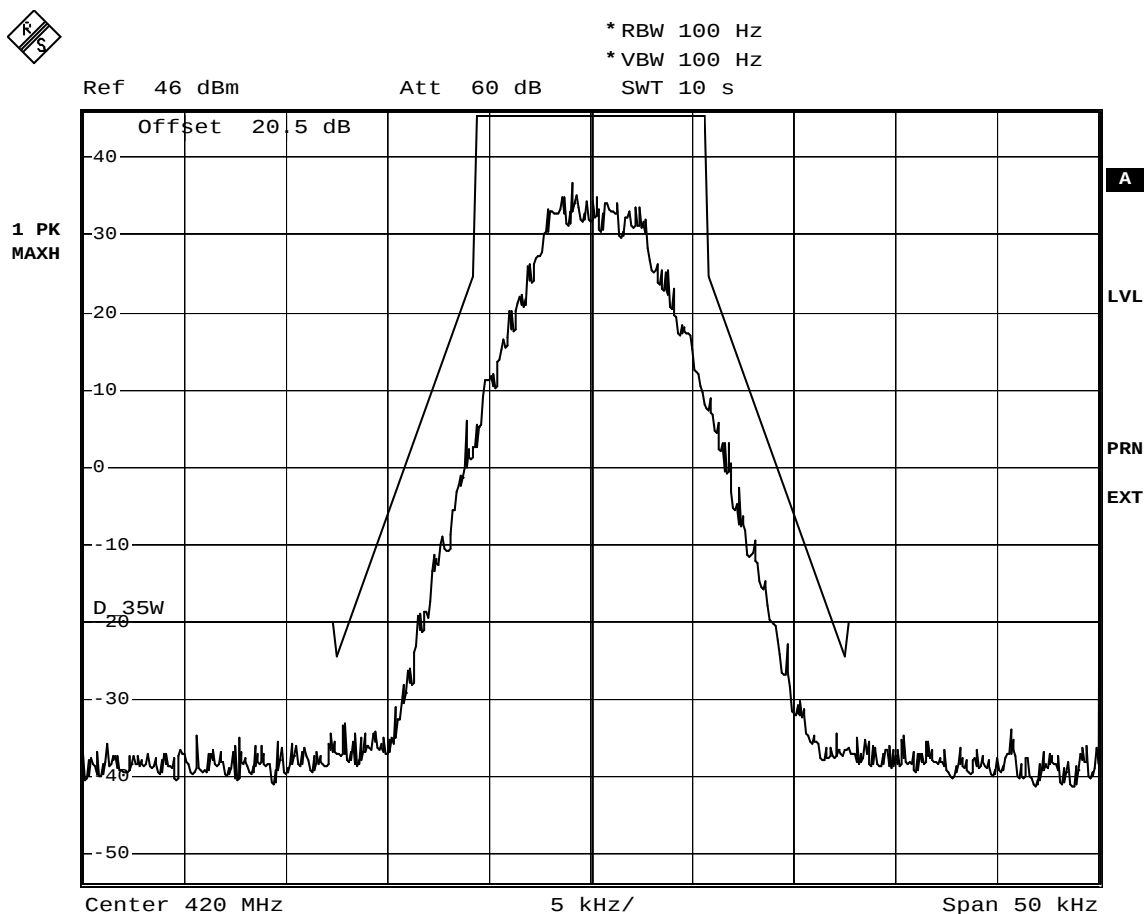
- Power supply GW Instek SPS-1820 Serial nro. EG181338
 - Spectrum analyzer Rohde & Schwarz FSP Serial nro. 837619/003
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TESTS PERFORMED BY:

Timoteus Marttila

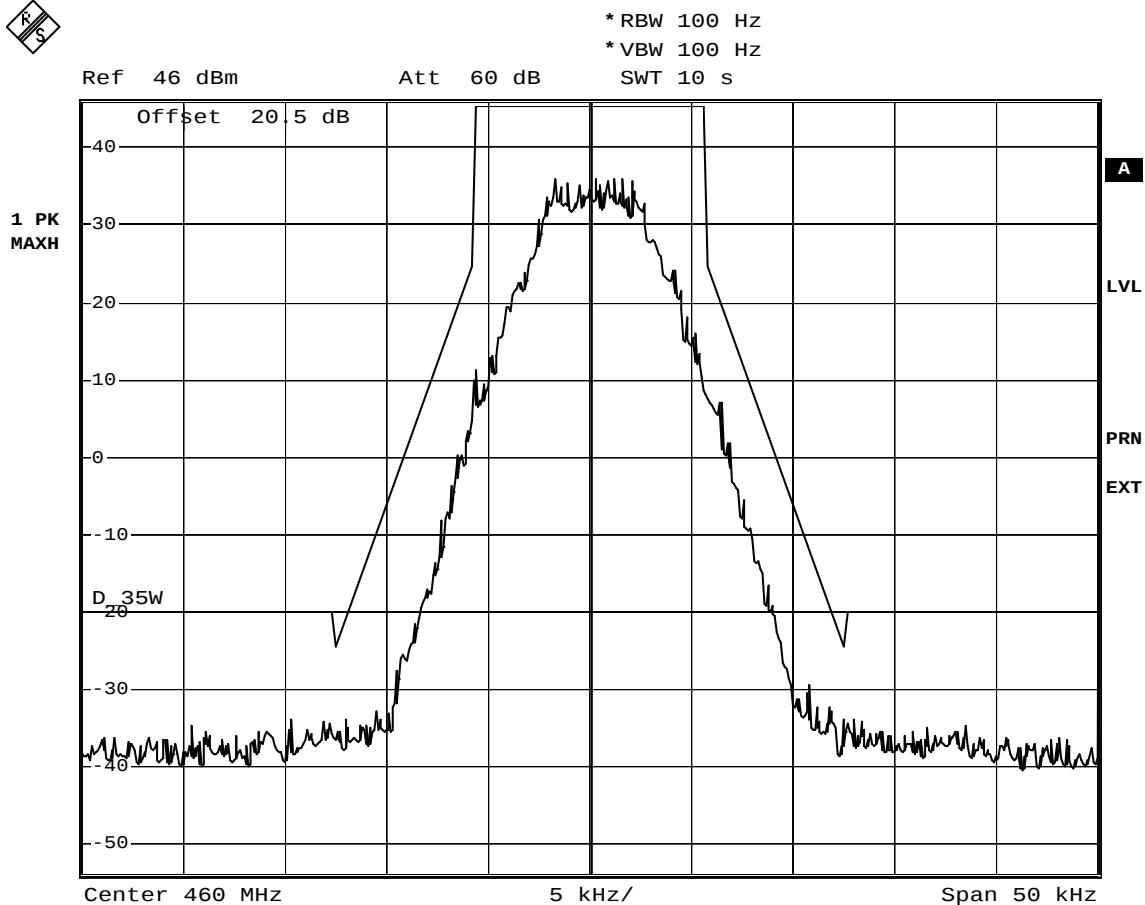
TEST RESULTS

Test at 12.5 kHz channel spacing



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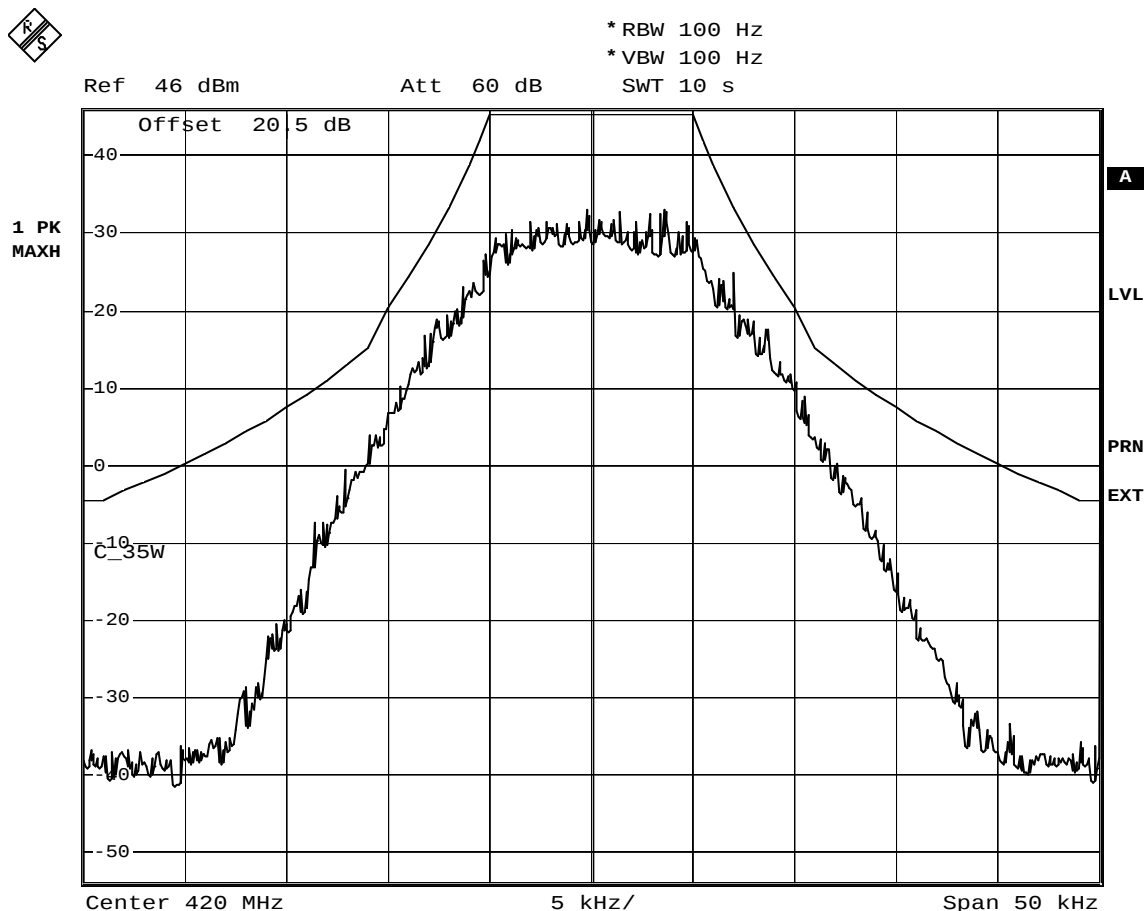
Figure 1. Sideband spectrum at 12.5 kHz channel spacing, transmitter frequency 420.000MHz, showing compliance with the emission mask D.



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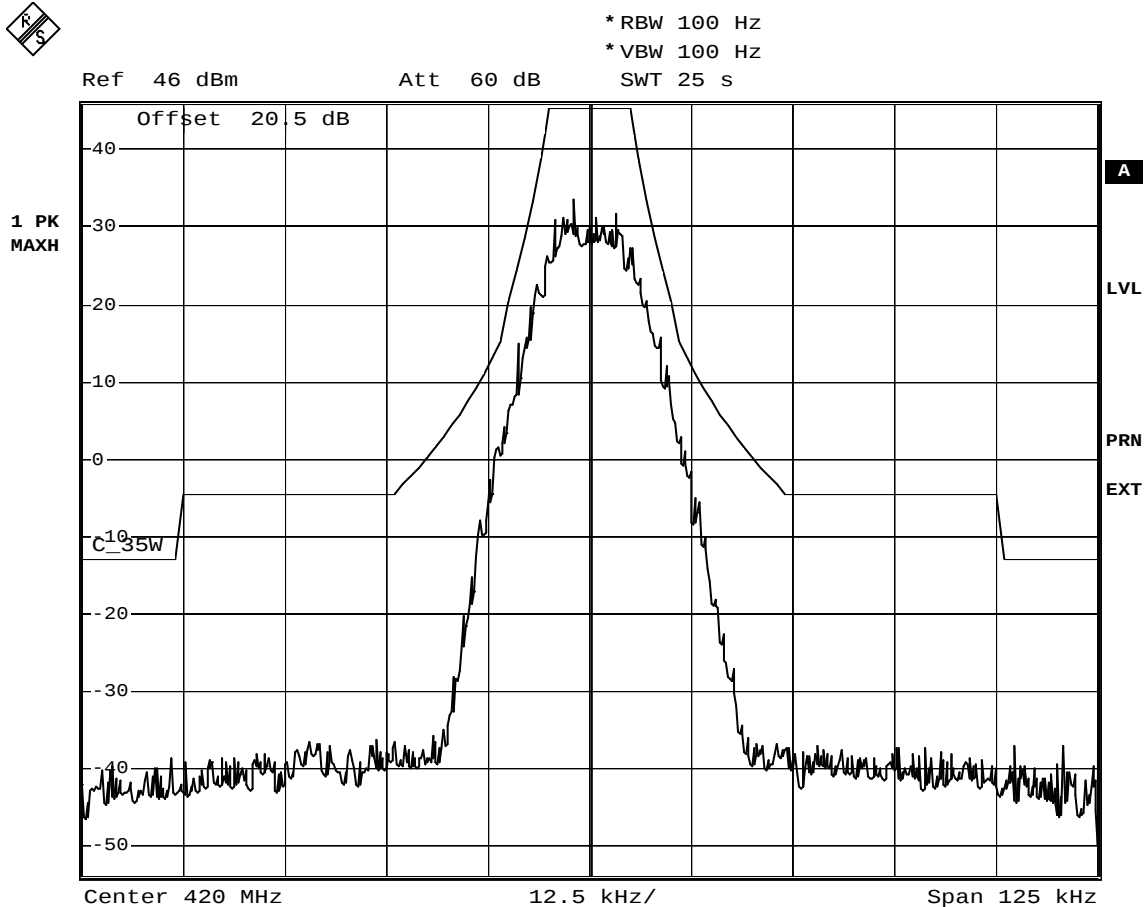
Figure 2. Sideband spectrum at 12.5 kHz channel spacing, transmitter frequency 460.000MHz, showing compliance with the emission mask D.

Test at 25 kHz channel spacing



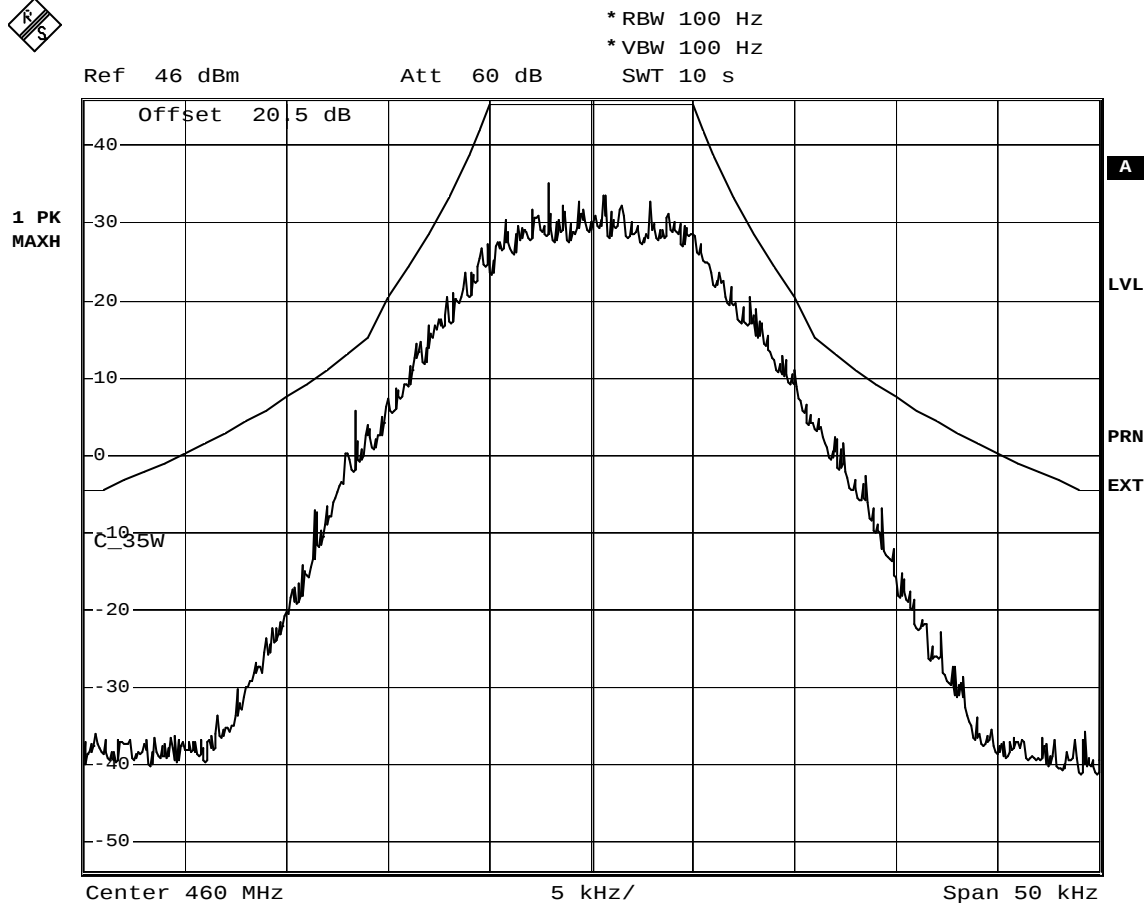
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Figure 3. Sideband spectrum at 25 kHz channel spacing, transmitter frequency 420.000MHz, showing compliance with the emission mask C, span 50kHz



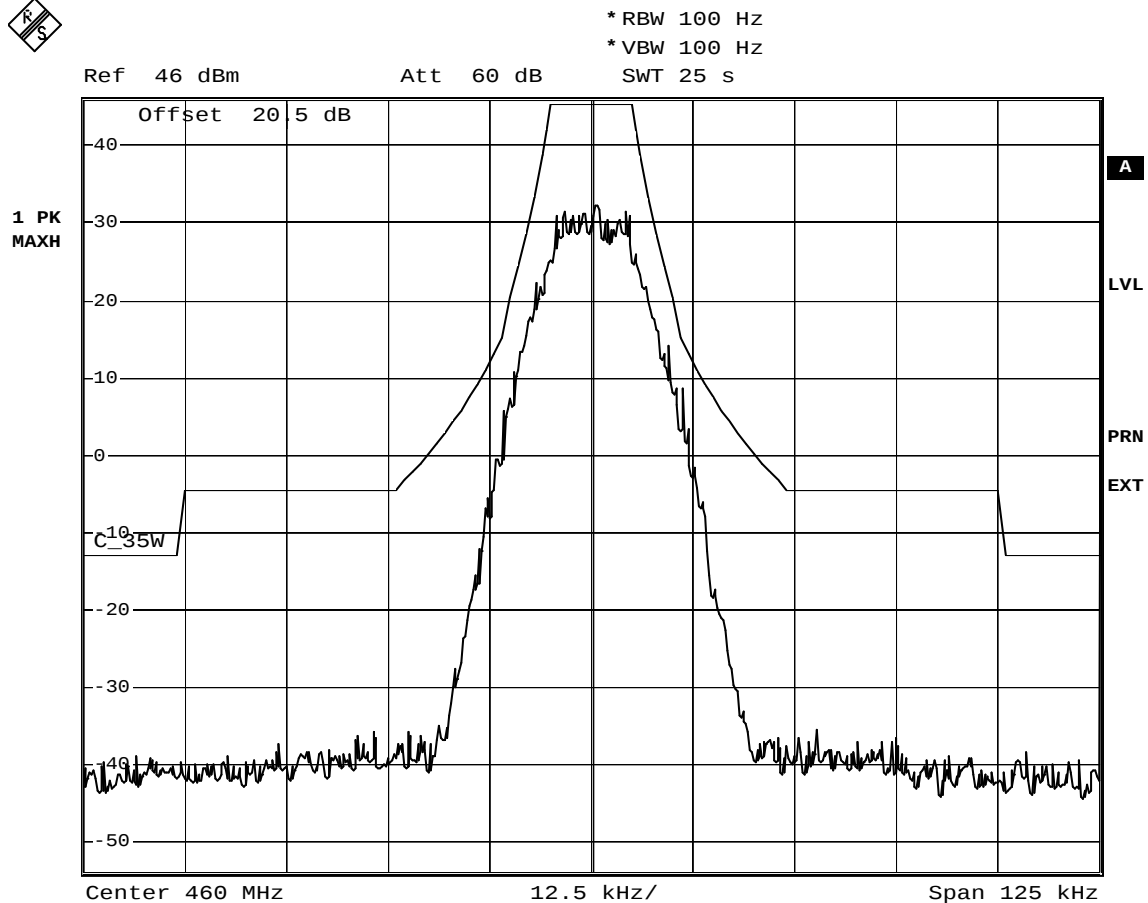
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Figure 4. Sideband spectrum at 25 kHz channel spacing, transmitter frequency 420.000MHz, showing compliance with the emission mask C, span 125kHz



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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 125kHz