

6 DB BANDWIDTH MEASUREMENTS

Graco A3929 Nursery Unit
FCC ID: M6YA3929A3930

GRACO CHILDREN'S PRODUCTS
EXTON, PA

NOVEMBER 11, 2005

6 dB Bandwidth Measurements (15.247 (a) (2))

As per FCC Section 15.247 (a) (2), systems using digital modulation techniques in the 902-928 MHz band are required to have a 6 dB bandwidth of 500 kHz or greater. The Nursery unit antenna port was connected directly to the spectrum analyzer through a suitable attenuator. Measurement of 6 dB bandwidth was made with spectrum analyzer's resolution bandwidth (RBW) set to 100 kHz and the frequency span of 2.5 MHz. Measurements for the fundamental transmission frequencies of following channels were made.

Channel 0 - 909.524 MHz (Low TX)

Channel 2 - 913.620 MHz (Medium TX)

Channel 5 - 919.764 MHz (High TX)

The recorded 6 dB BW at these frequencies was as below:

Low TX = 811.6 kHz

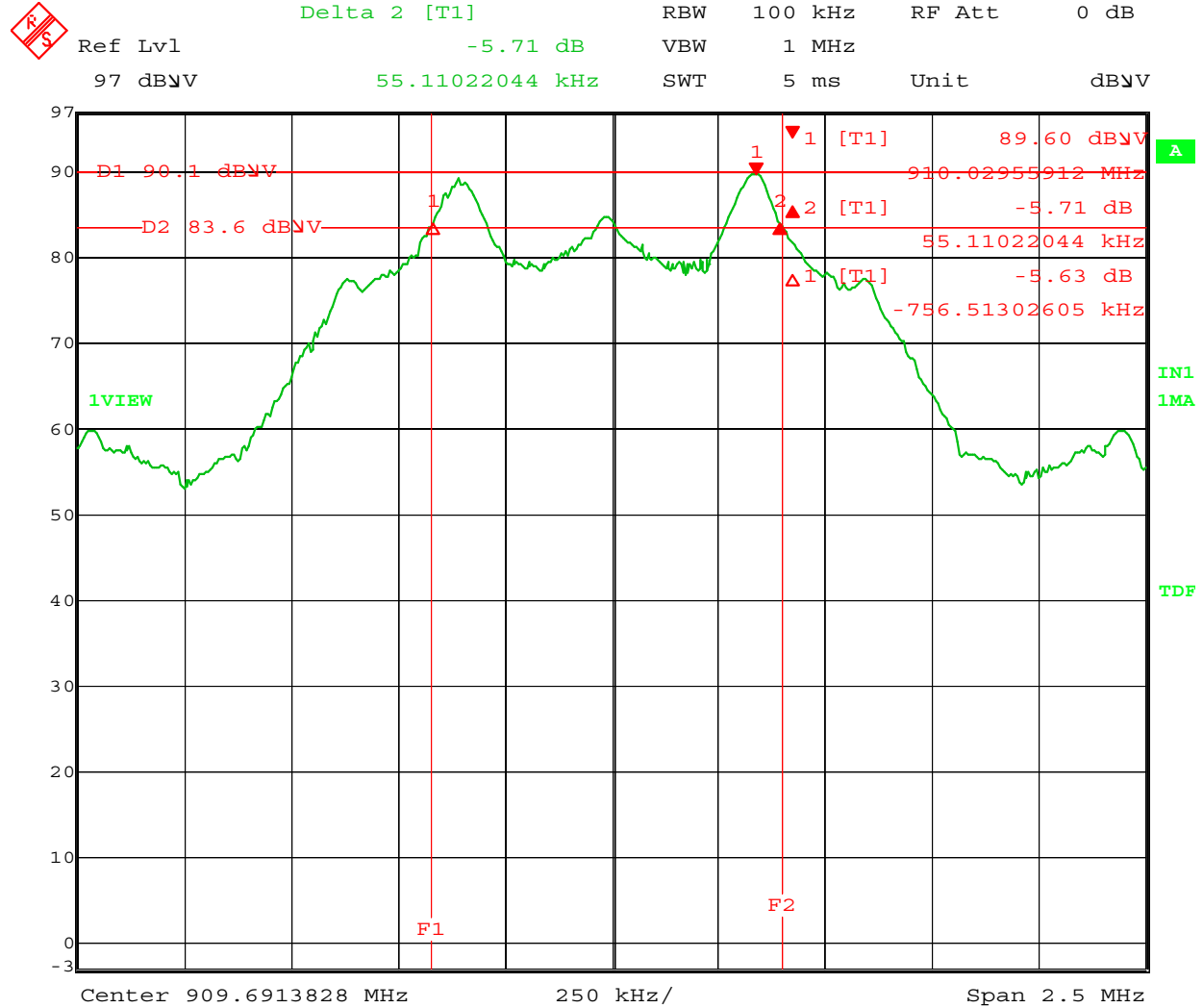
Medium TX = 806.6 kHz

High TX = 816.6 kHz

The 6 dB Bandwidth of the EUT emission at the low, mid, and high fundamental operating frequencies was found at least 806 kHz, which is well above the 500 kHz minimum 6 dB bandwidth requirements.

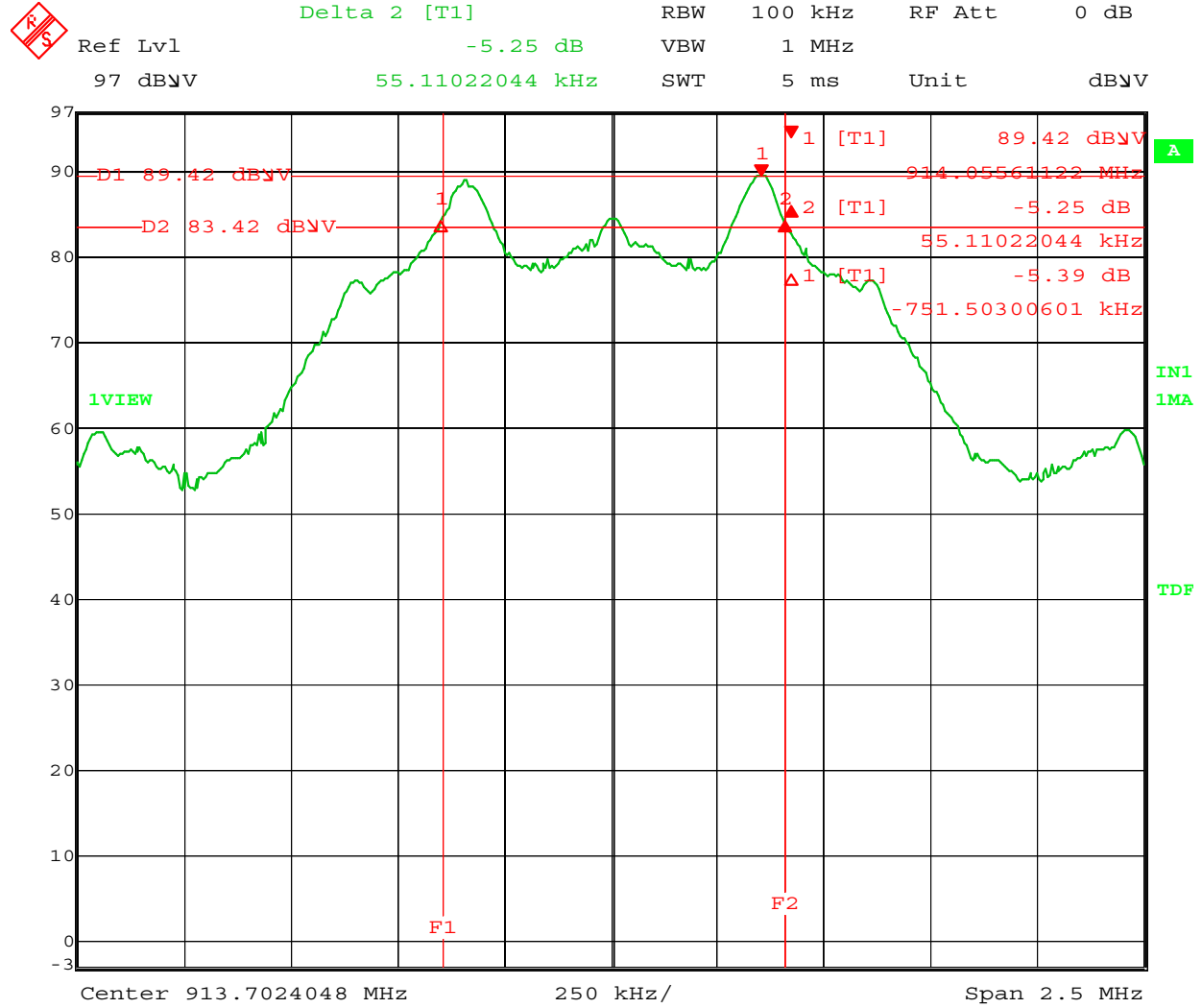
Conclusion: The A3929 Nursery Unit met the 6 dB Bandwidth requirements FCC Part 15, Section 15.247.

Measurements Plots are provided on the following Pages:



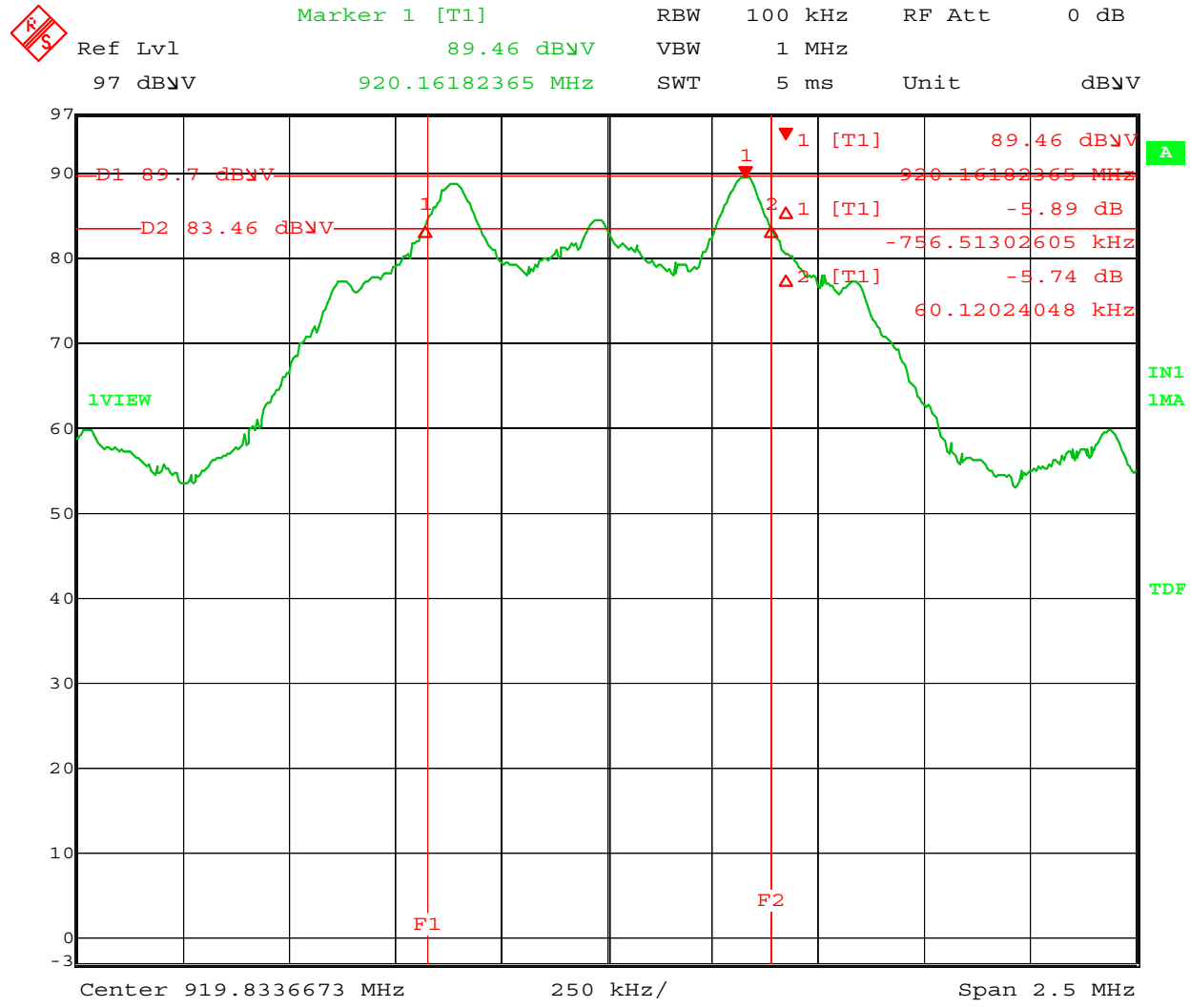
Date: 18.OCT.2005 13:40:35

Plot 1: Low Freq TX



Date: 18.OCT.2005 13:53:02

Plot 2: Mid Freq TX



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Plot 3: High Freq TX