

6d BLUETOOTH MEASURED DATA – Pursuant 47 CFR 2.1041

Bluetooth conducted measurement setup and procedure was provided in Exhibit 7.

6d.1 Bluetooth Carrier Frequency Separation – Pursuant 47 CFR 15.247(a)(1)

The measurement shows a carrier frequency separation of 1.012 MHz, which is greater than the measured 20 dB bandwidth of 941.9 kHz.

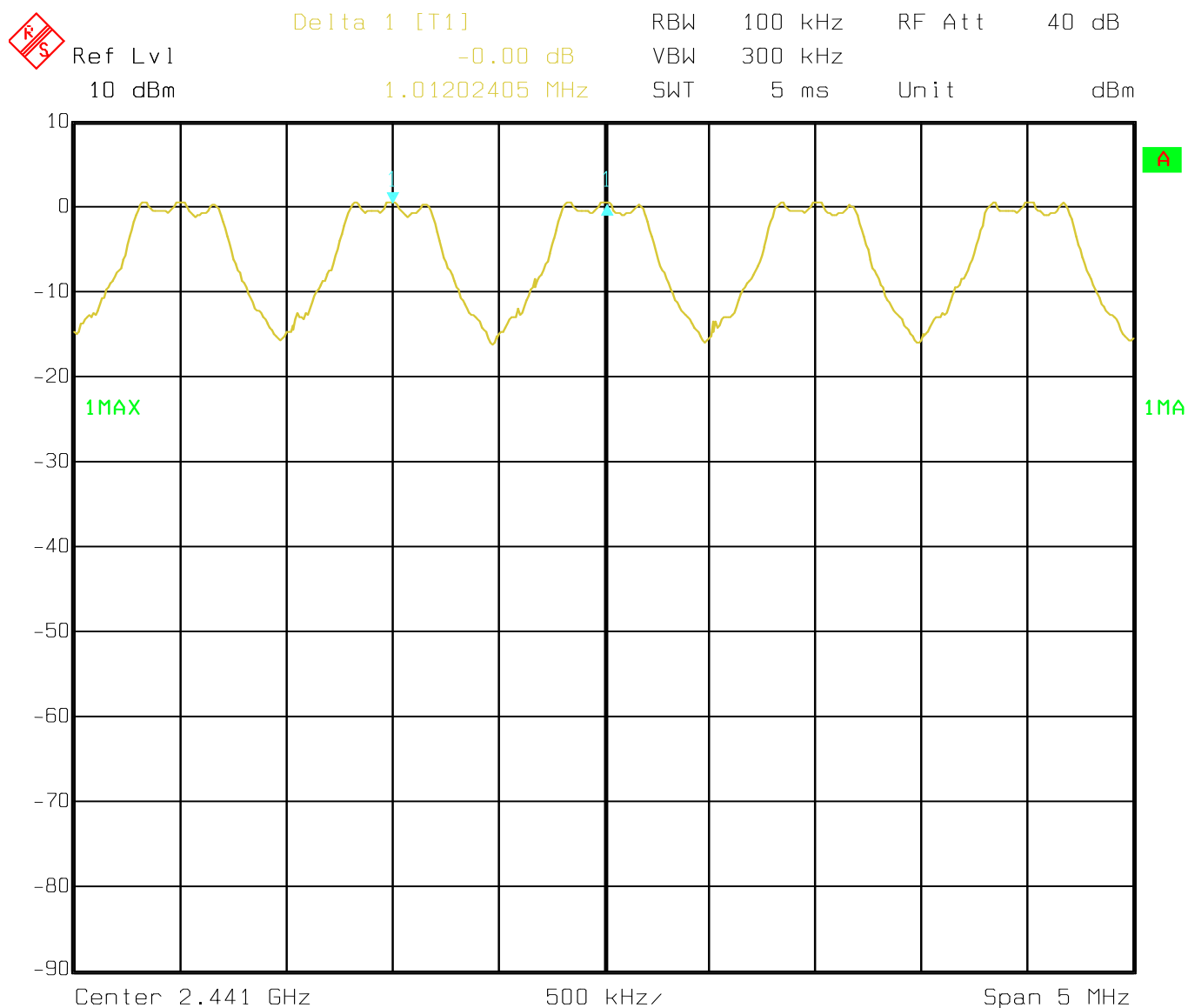


Figure 6d.1-1: Plot of Bluetooth carrier frequency separation

6d.2 Bluetooth number of hopping frequencies – Pursuant 47 CFR 15.247(a)(1)(iii)

The measurement shows 79 non-overlapping channels over a span of 79 MHz.

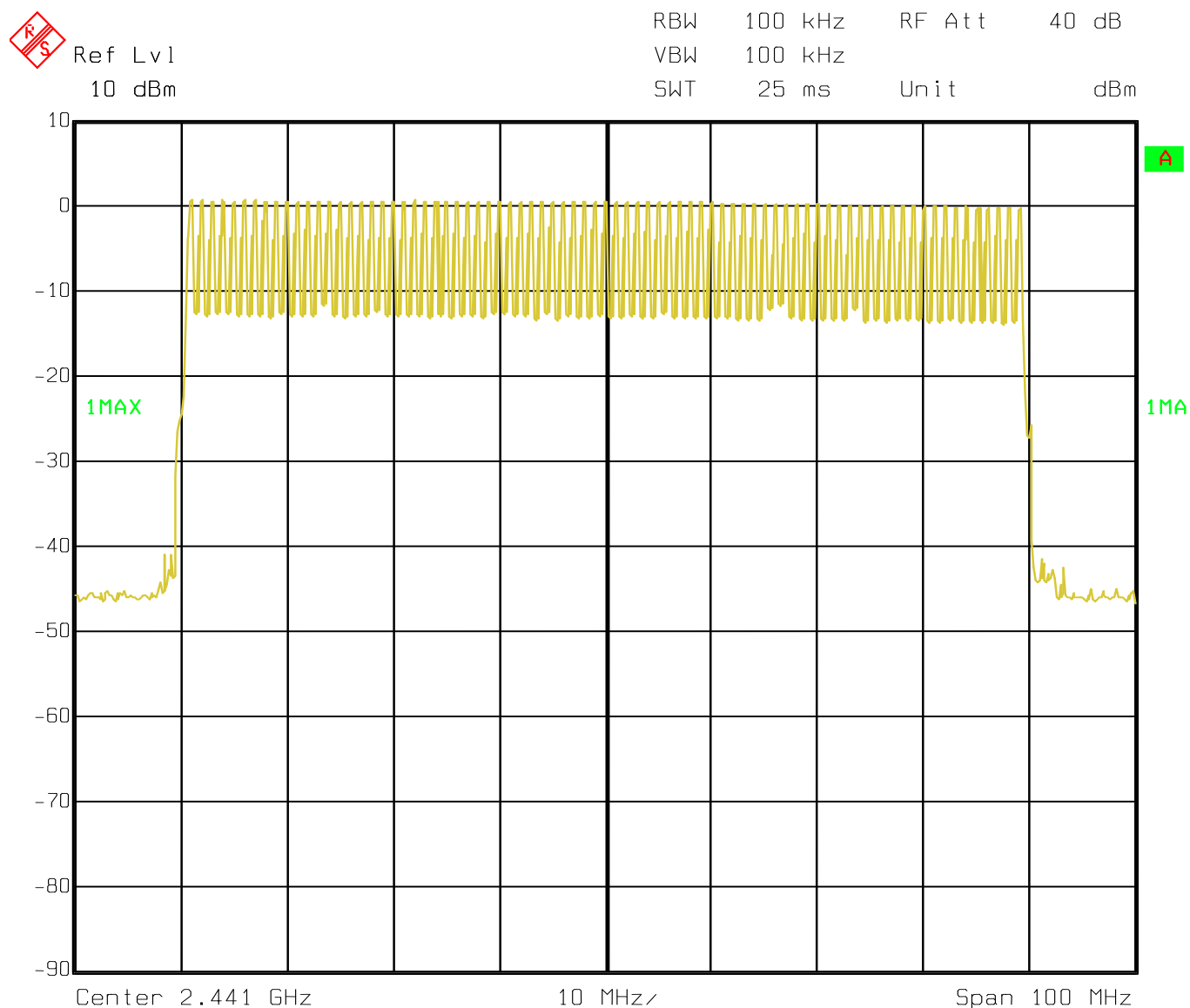


Figure 6d.1-2: Plot of number of Bluetooth hopping frequencies

6d.3 Time of Occupancy (Dwell Time) – Pursuant 47 CFR 15.247(a)(1)(iii)

The measurement shows the total dwell time in a 31.6 second period to be 138.036 ms.

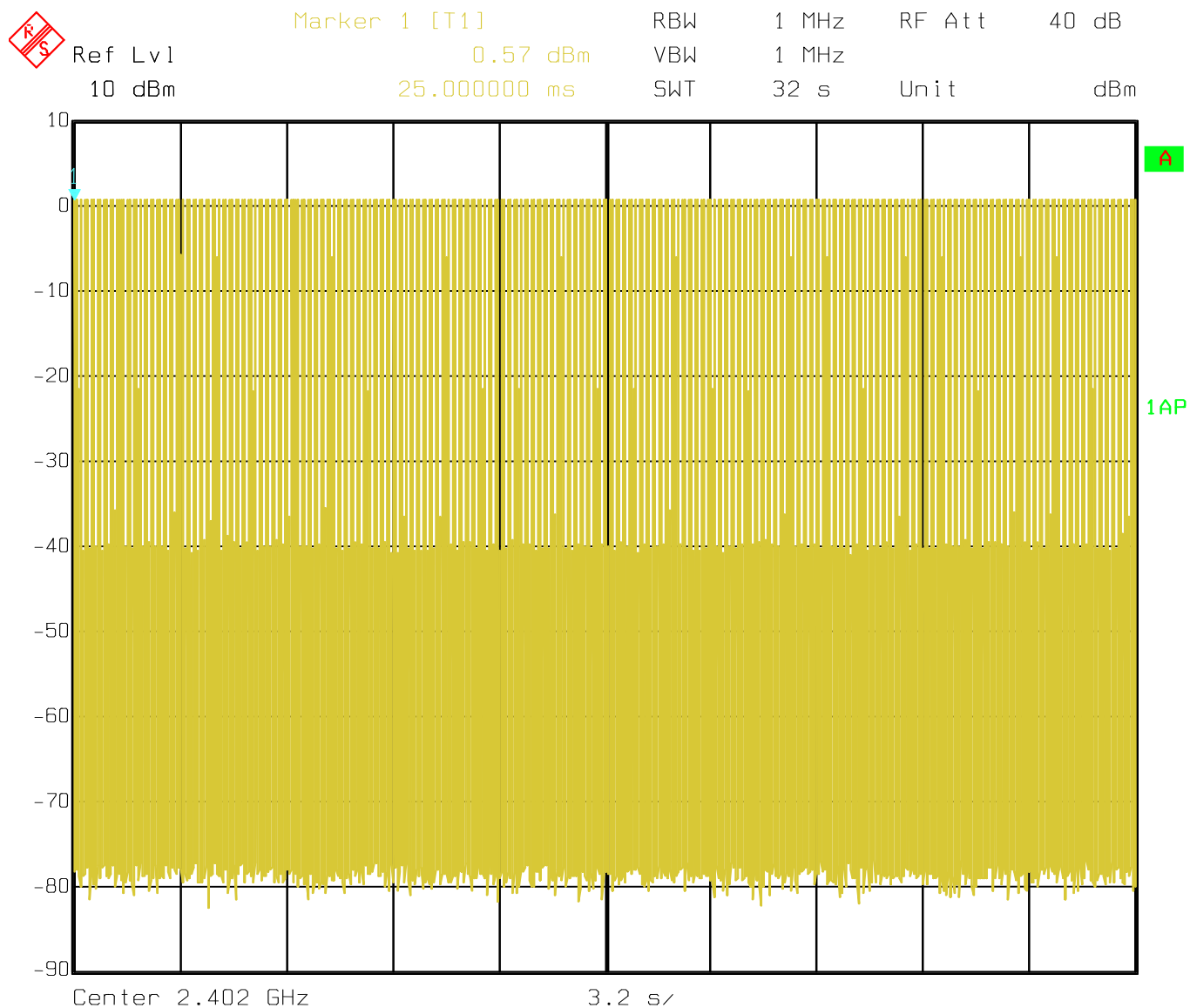


Figure 6d.1-3: Plot of dwell time over 32 second period

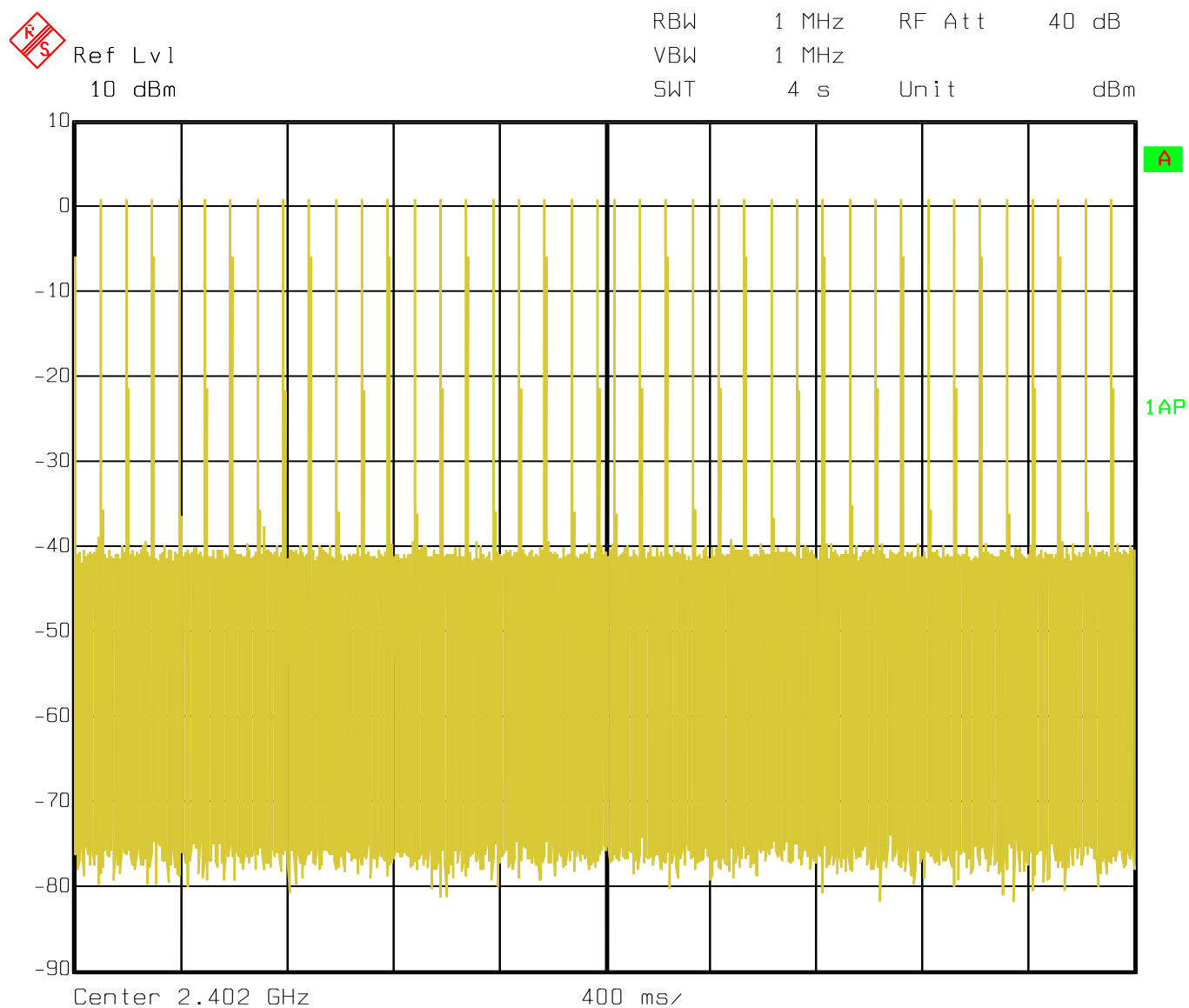


Figure 6d.1-4: Plot of dwell time over 4 second period

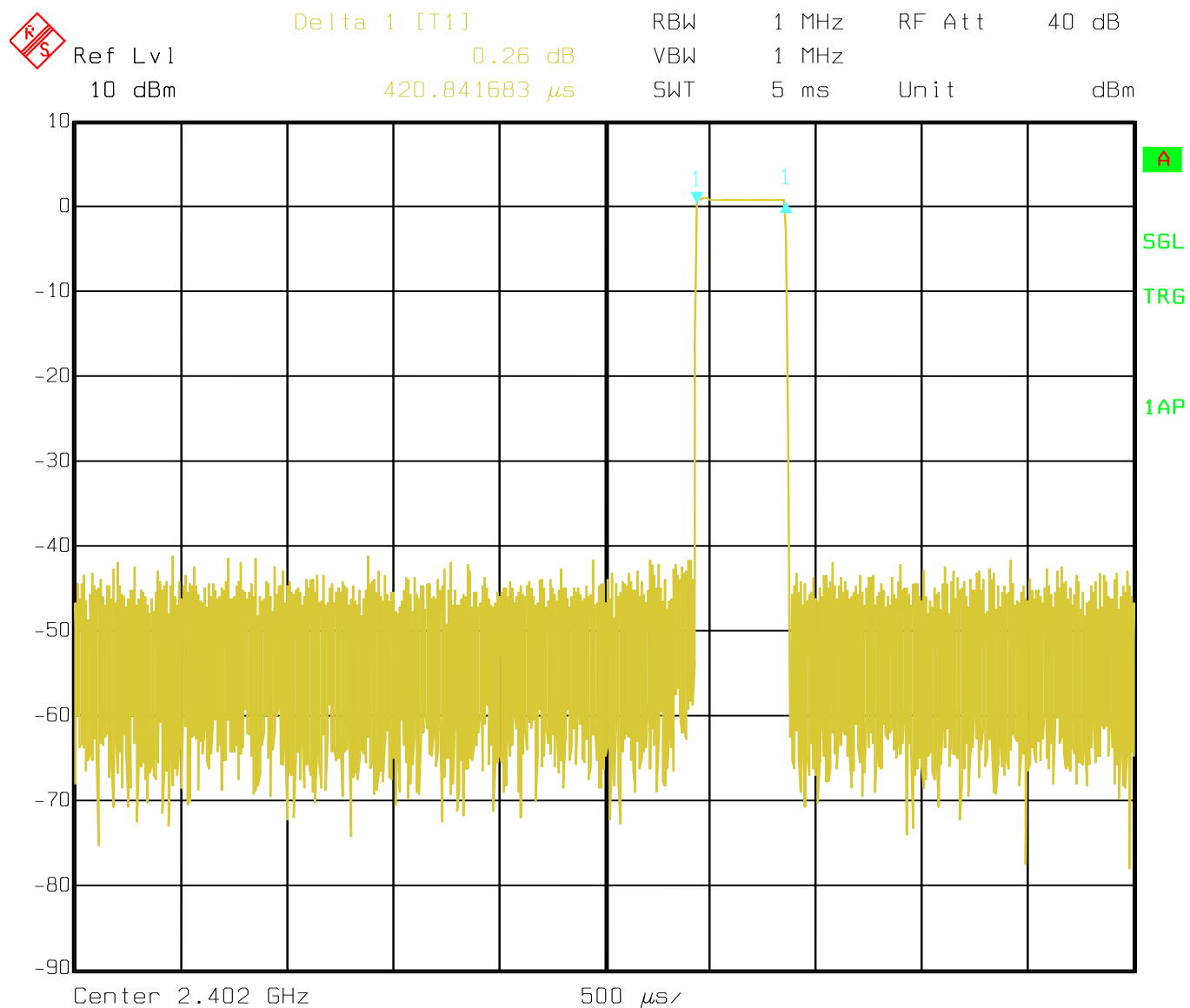


Figure 6d.1-5: Plot of dwell time over 5 ms period

6d.4 20 dB Bandwidth – Pursuant 47 CFR 15.247(a)(1)(ii)

The 20 dB bandwidth of the emission is 941.9 kHz.

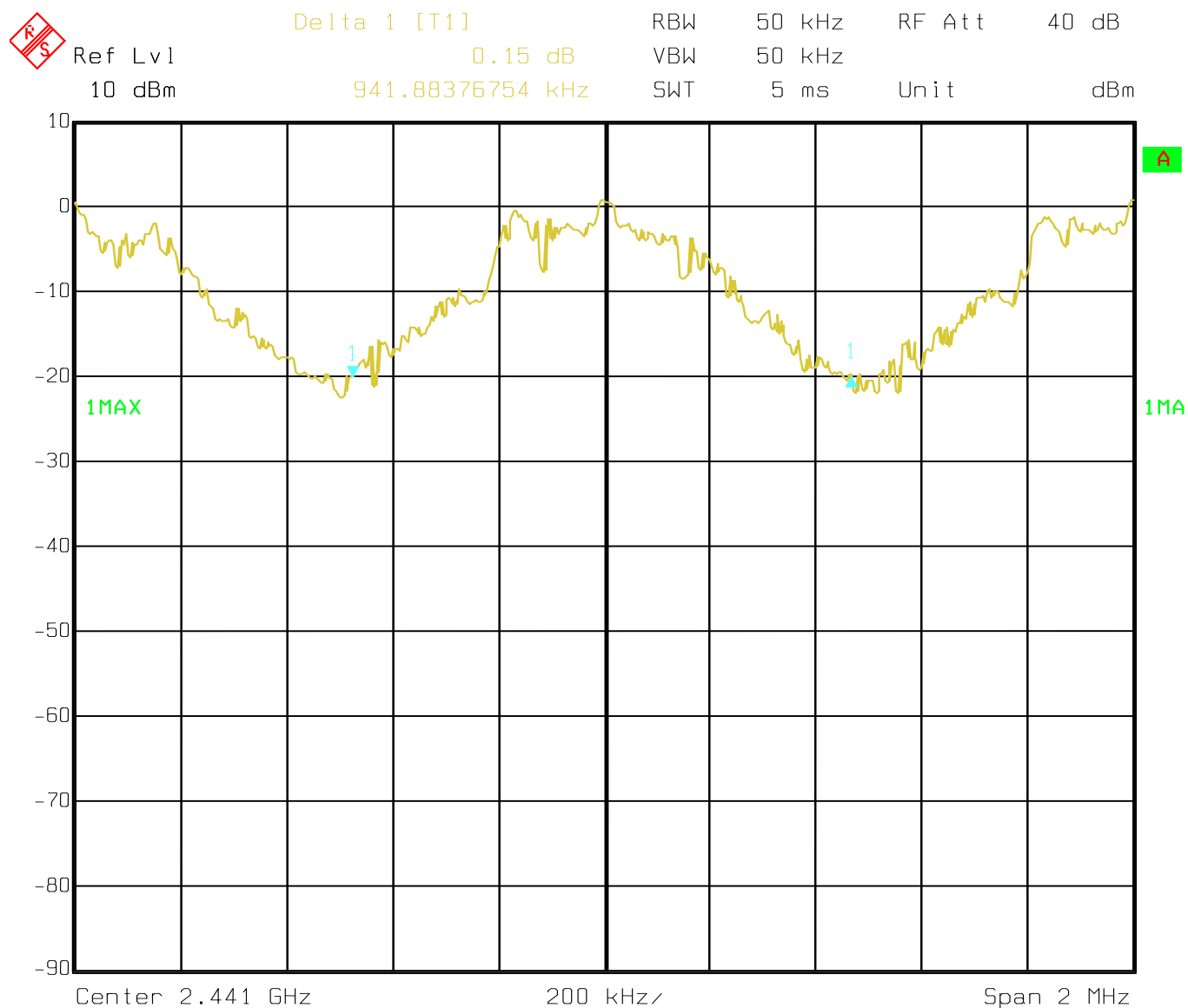


Figure 6d.1-6: Plot of 20 – dB bandwidth

6d.5 Peak Bluetooth Output Power – Pursuant 47 CFR 15.247(b)(1)

The peak output power is 0.40 dBm, which is equivalent to 1.10 mW.

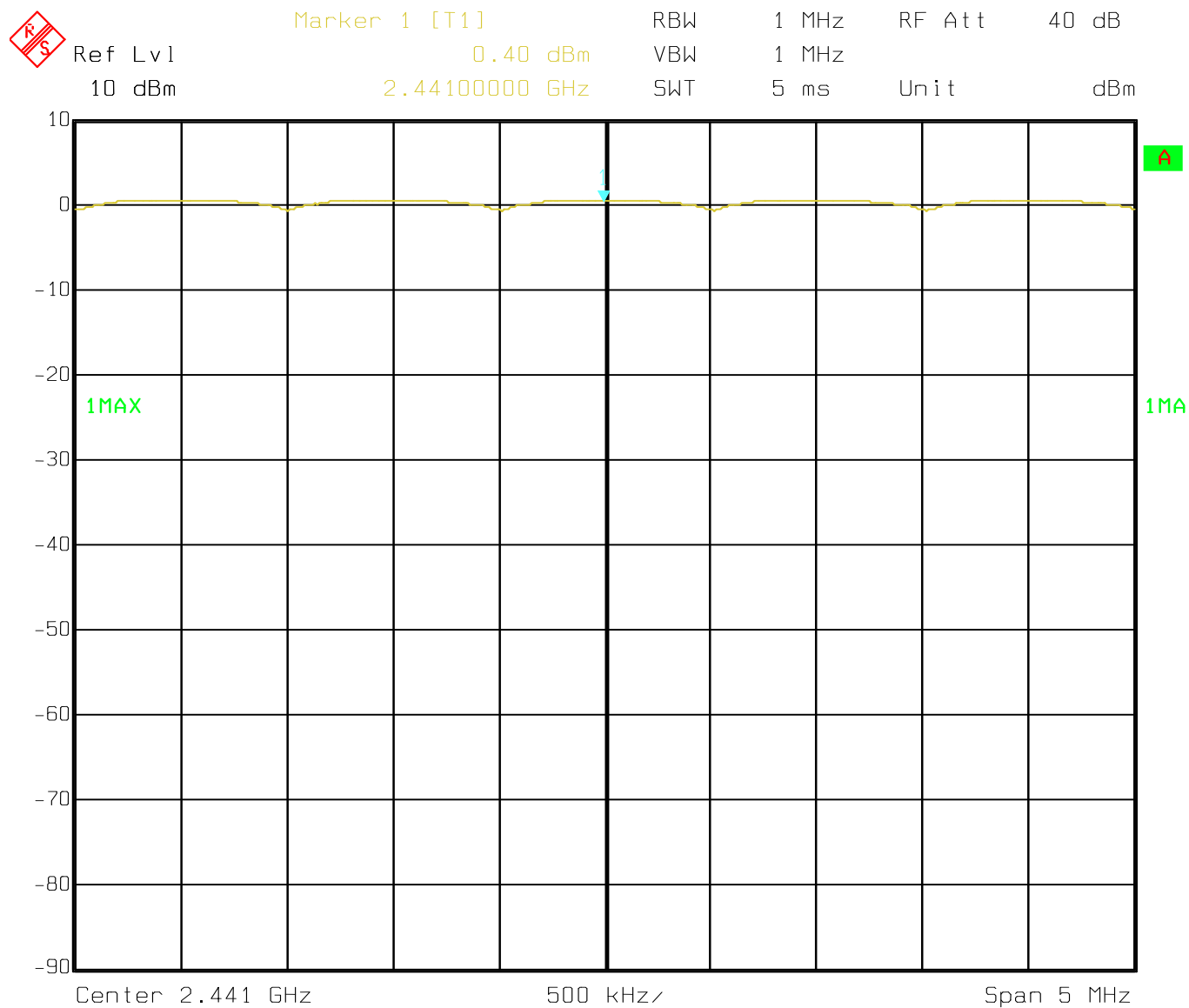


Figure 6d.1-7: Plot of peak output power

6d.6 Band-Edge Compliance of RF Conducted Emissions – Pursuant 47 CFR 15.247(c)

The measurement shows 41.72 dB at the lower band edge and 42.69 dB at the upper band edge with the hopping function disabled. The measurement shows 40.66 dB at the lower band edge and 44.41 dB at the upper band edge with the hopping function enabled.

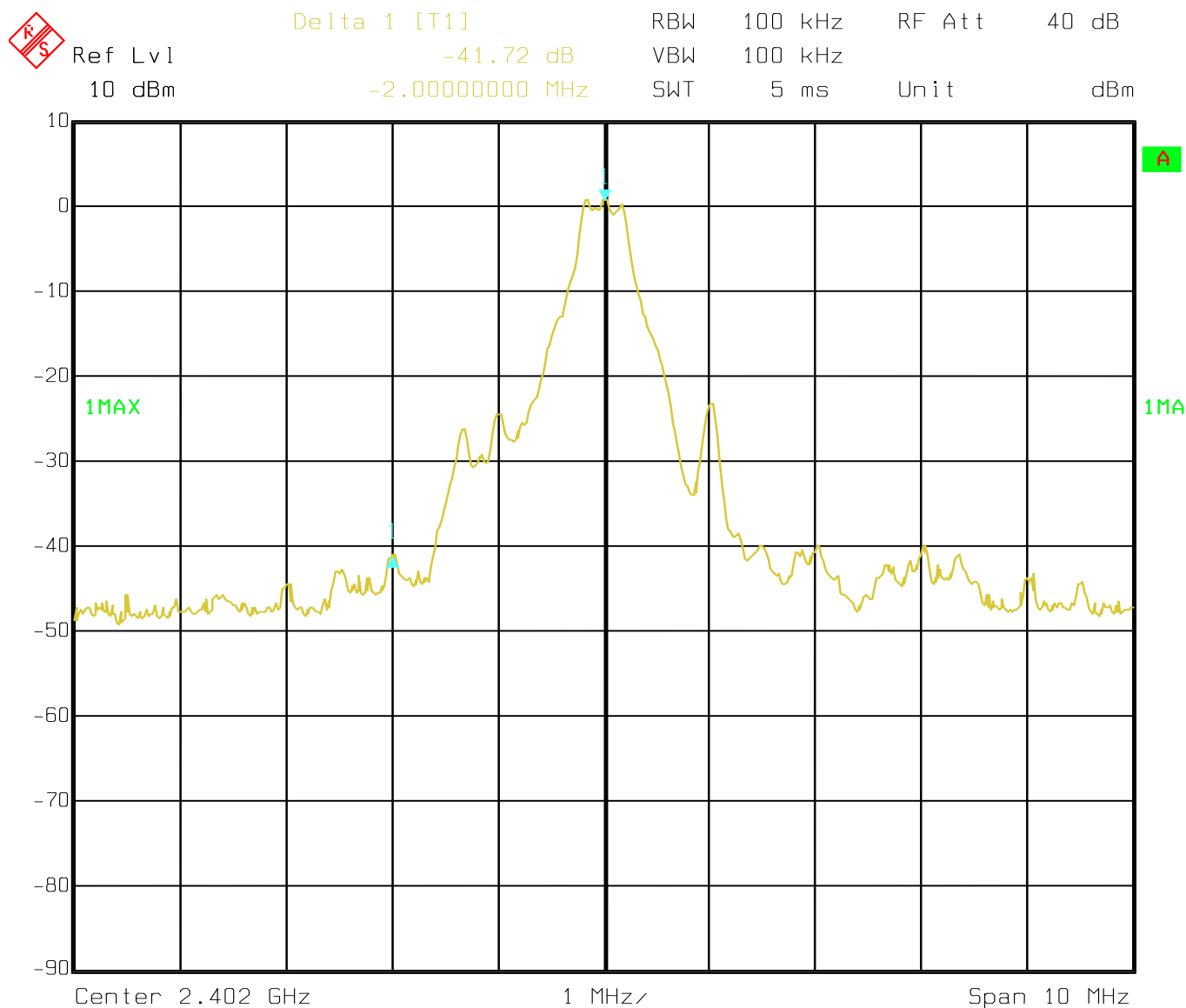


Figure 66d.1-8: Plot of lower band-edge conducted emissions with hopping disabled

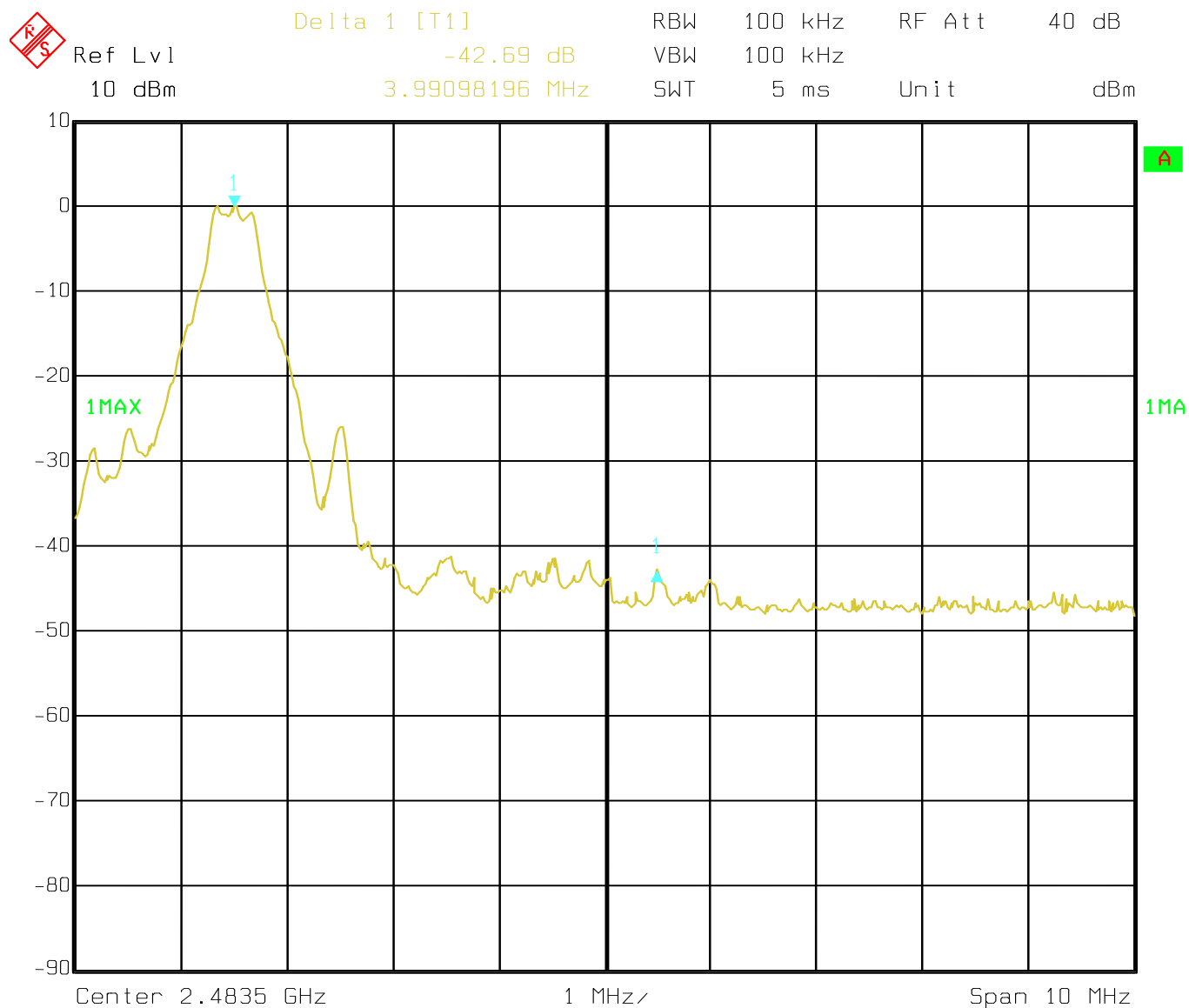


Figure 6d.1-9: Plot of upper band-edge conducted emissions with hopping disabled

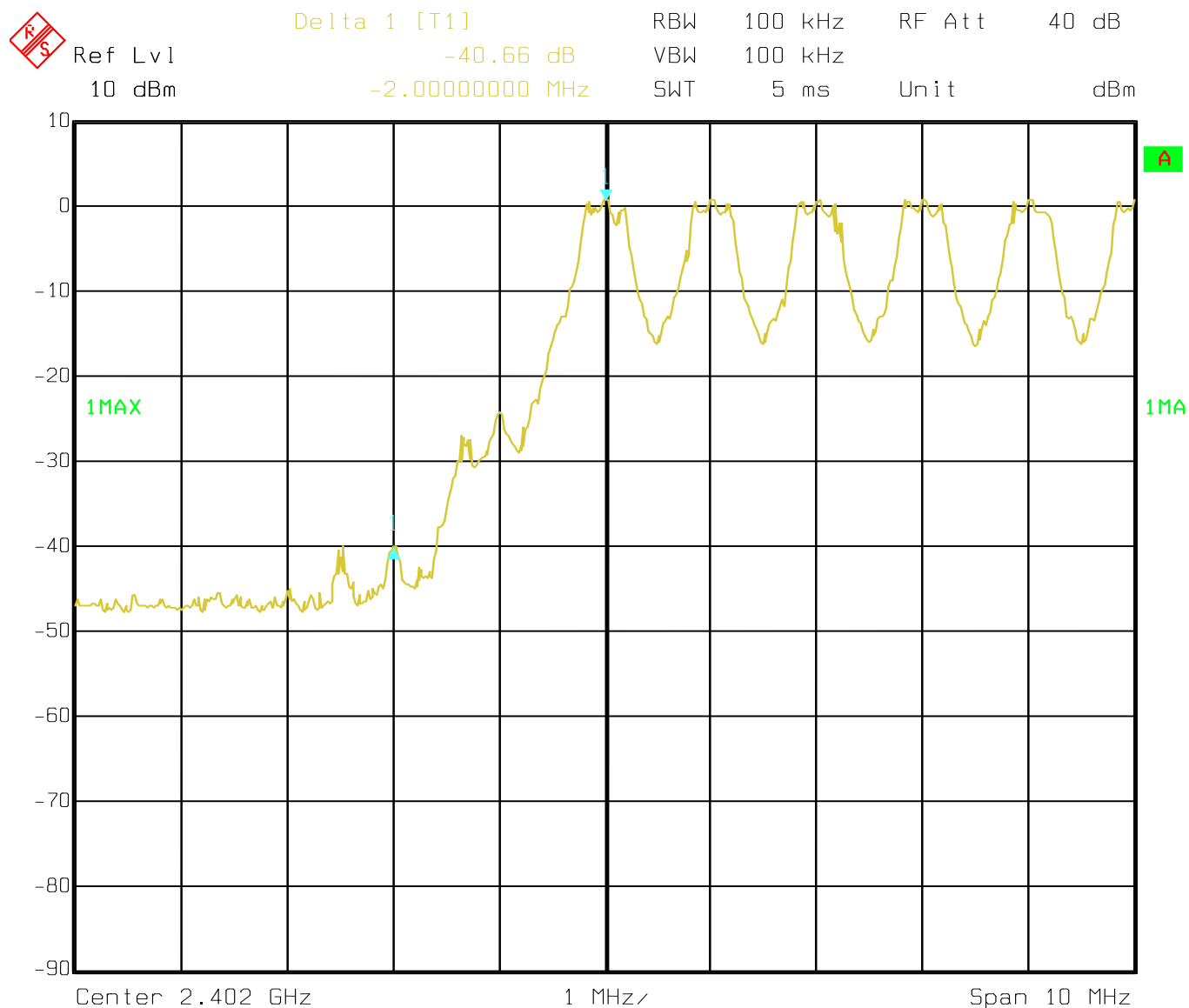


Figure 6d.1-10: Plot of lower band-edge conducted emissions with hopping enabled

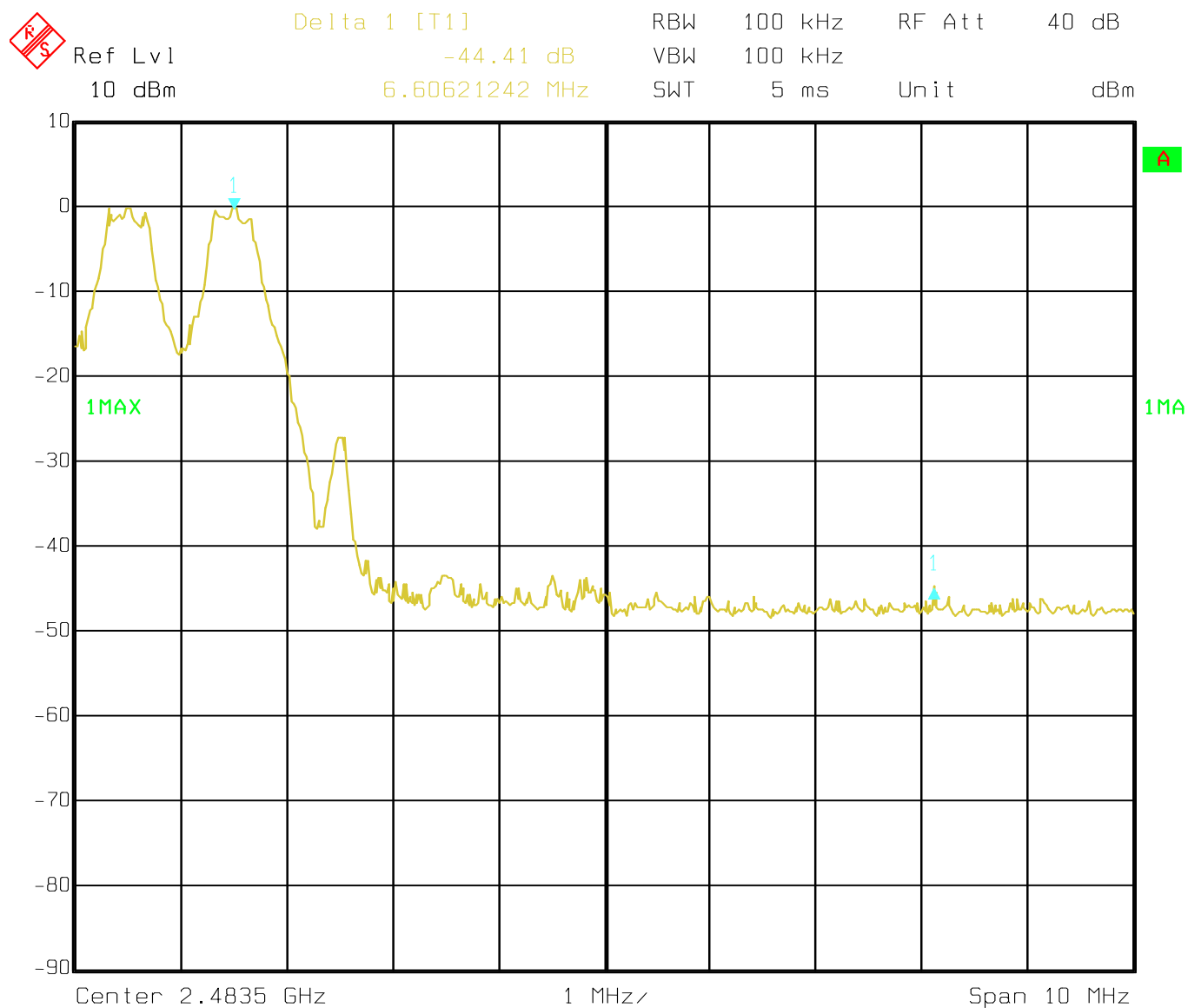


Figure 6d.1-11: Plot of upper band-edge conducted emissions with hopping enabled

6d.7 Spurious RF Conducted Emissions – Pursuant 47 CFR 15.247(c)

The emissions are below 30 dBc at the second harmonic of the transmit frequency and far lower at all other frequencies.

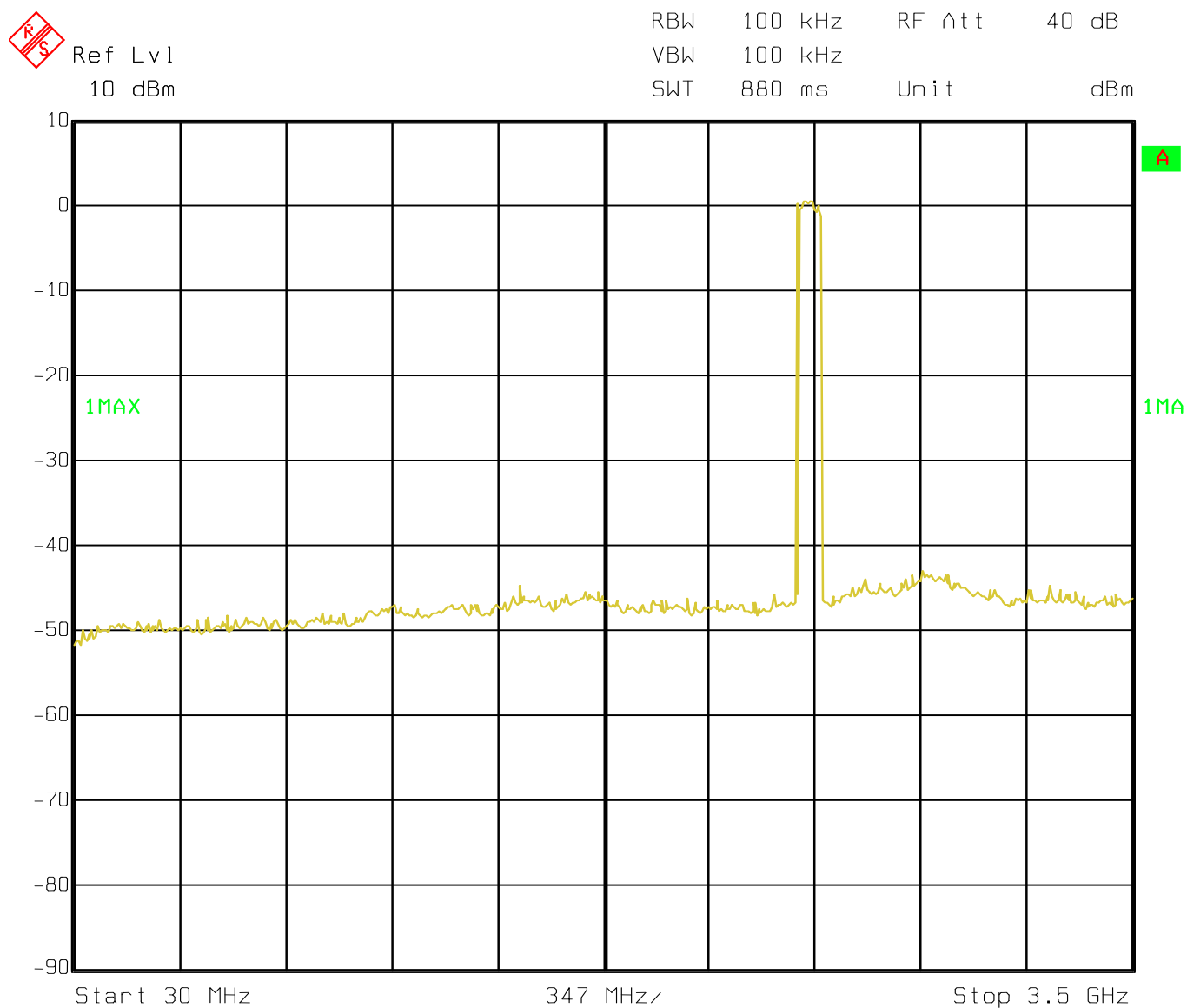
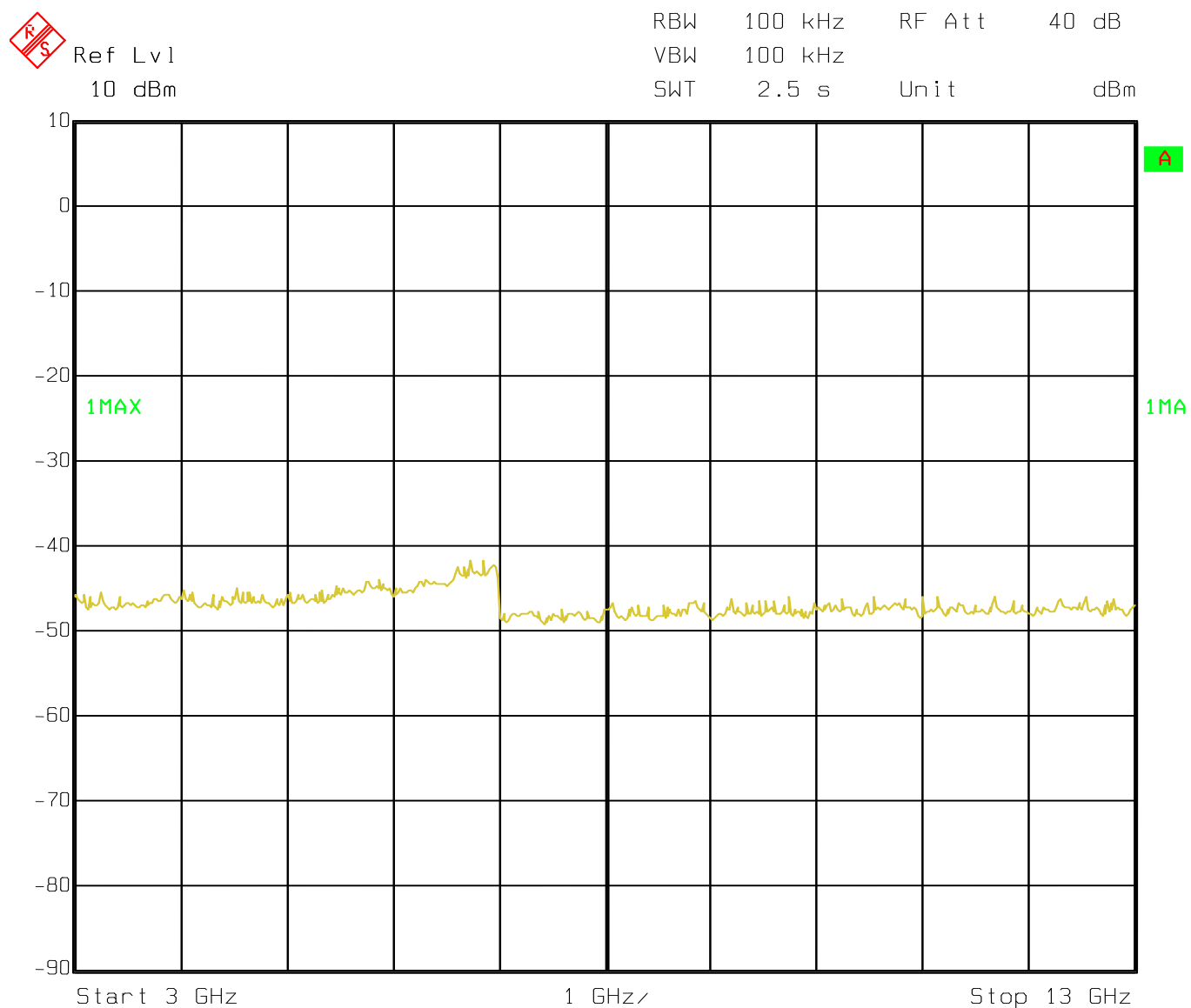


Figure 6d.1-12: Plot of spurious conducted emissions 30 MHz – 3.5 GHz

**Figure 6d.1-13: Plot of spurious conducted emissions 3 GHz – 13 GHz**

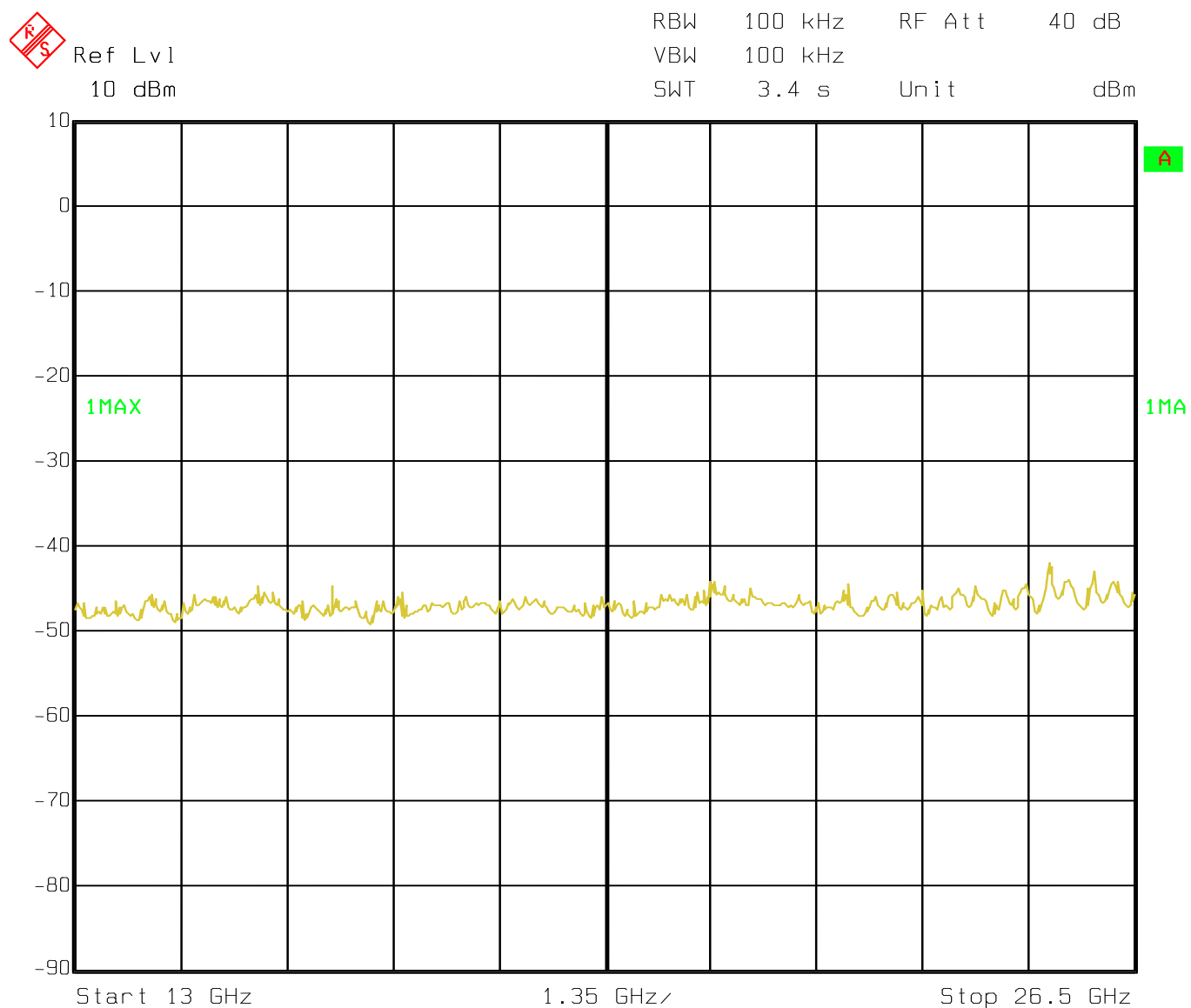


Figure 6d.1-14: Plot of spurious conducted emissions 13 GHz – 26.5 GHz