

**Annex acc. to FCC Title 47 CFR Part 15
relating to
FEIG Electronic GmbH
ID HyWEAR compact**

Annex no. 3

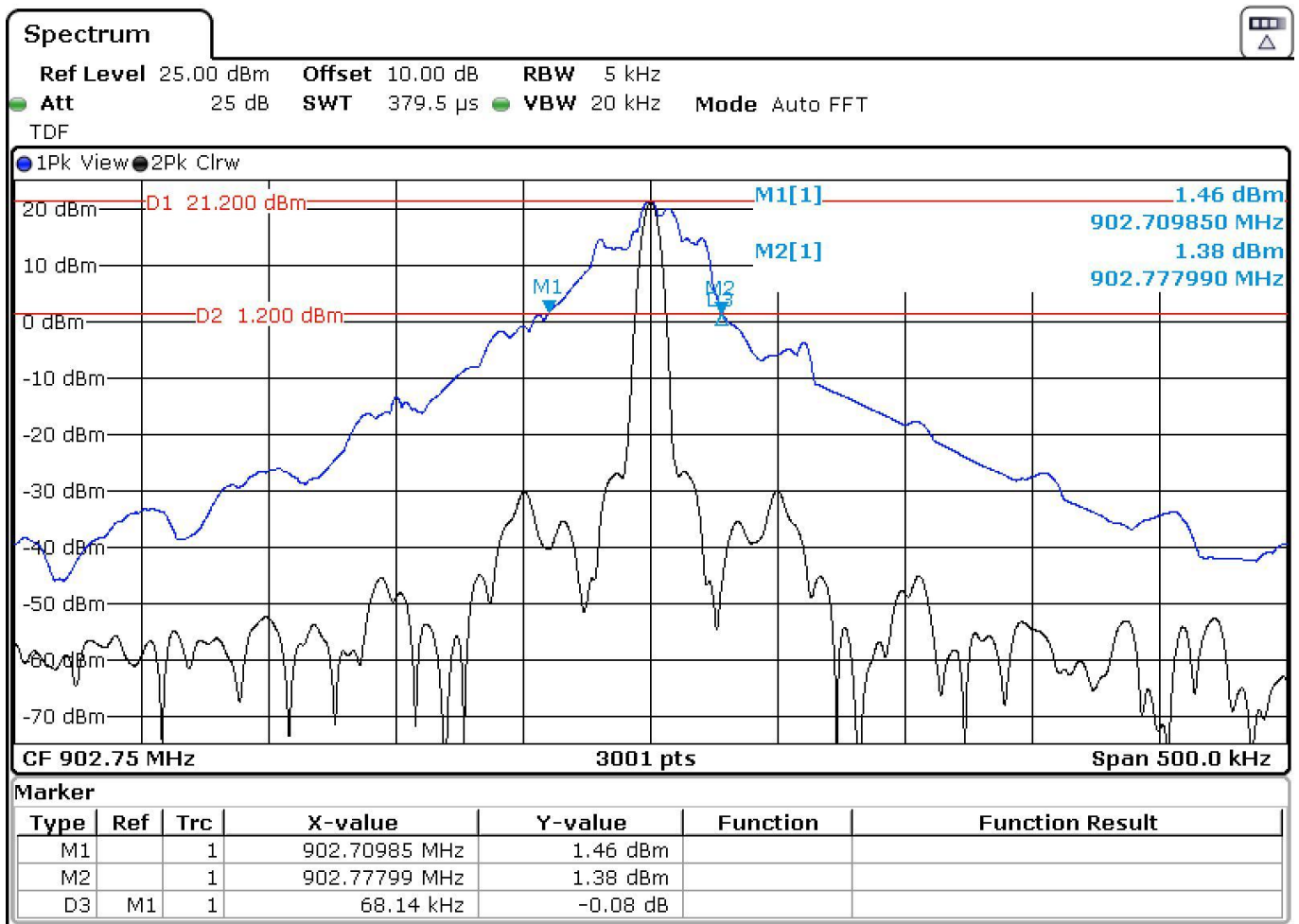
Occupied Bandwidth Channel Occupancy Spurious Emissions at Antenna Port

**Title 47 - Telecommunication
Part 15 - Radio Frequency Devices
Subpart C – Intentional Radiators
ANSI C63.4-2014
ANSI C63.10-2013**

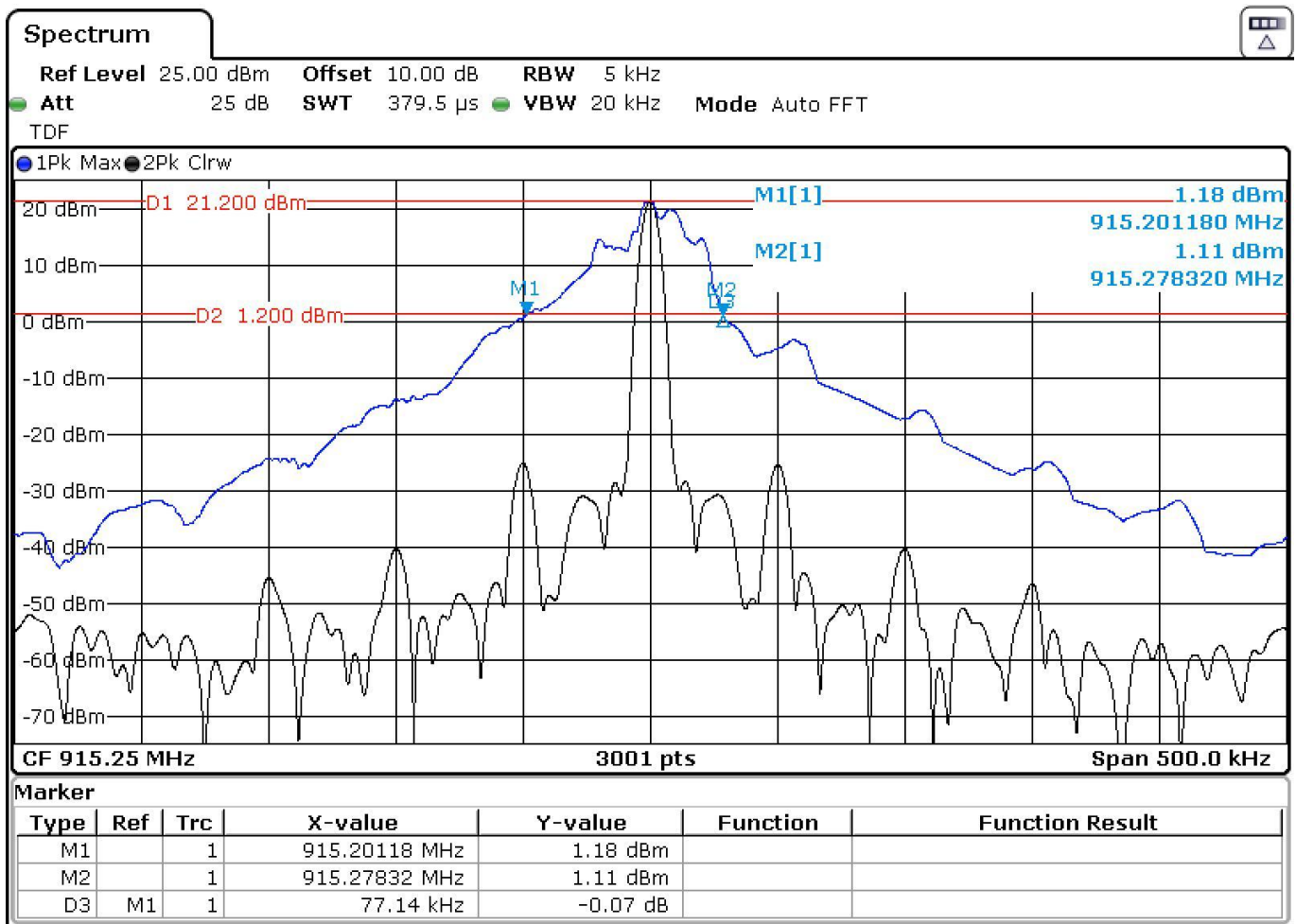


Deutsche
Akkreditierungsstelle
D-PL-12053-01-00

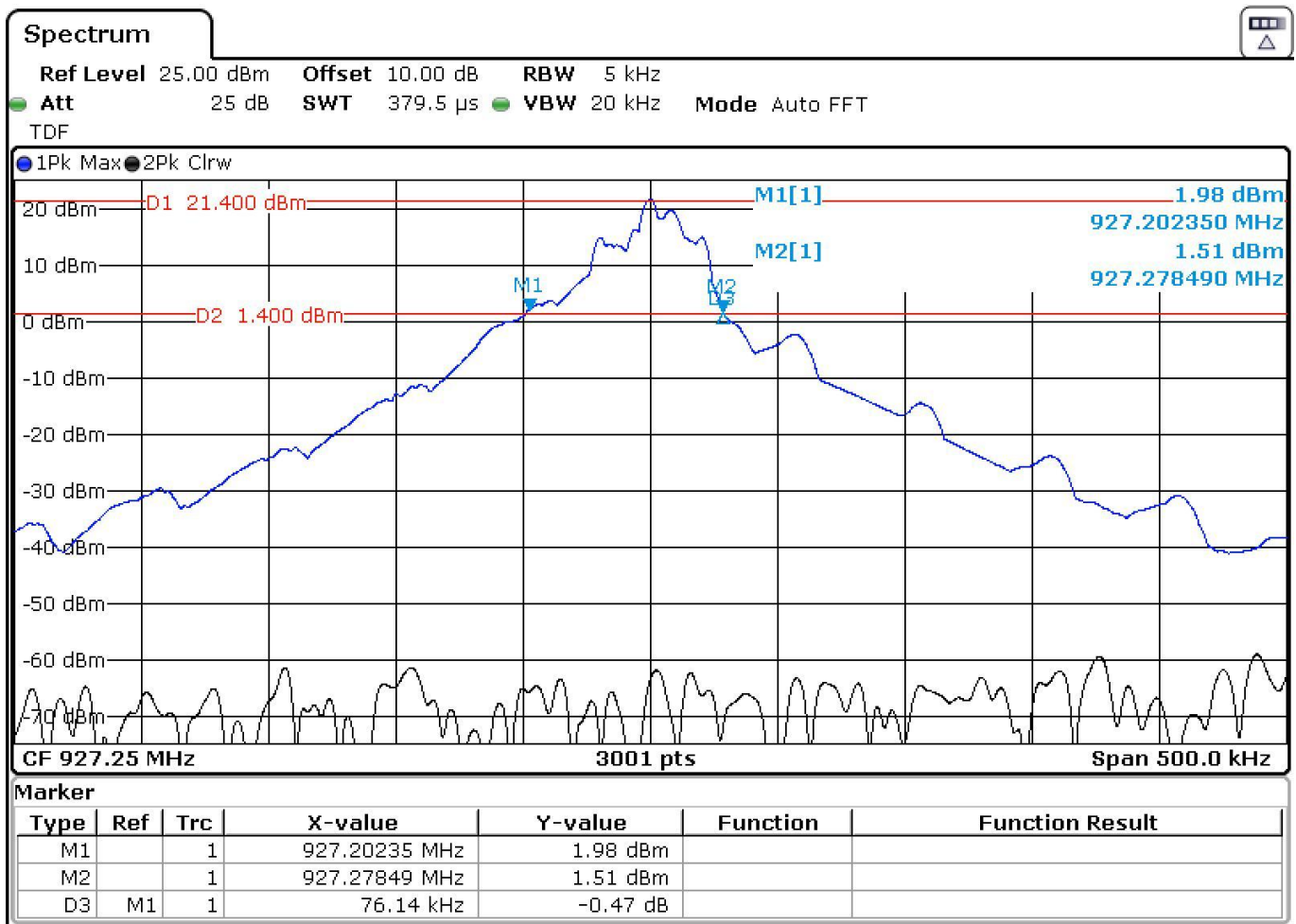
Plots for the test equipment (EUT) – Measured 20 dB Bandwidth 902.750 MHz



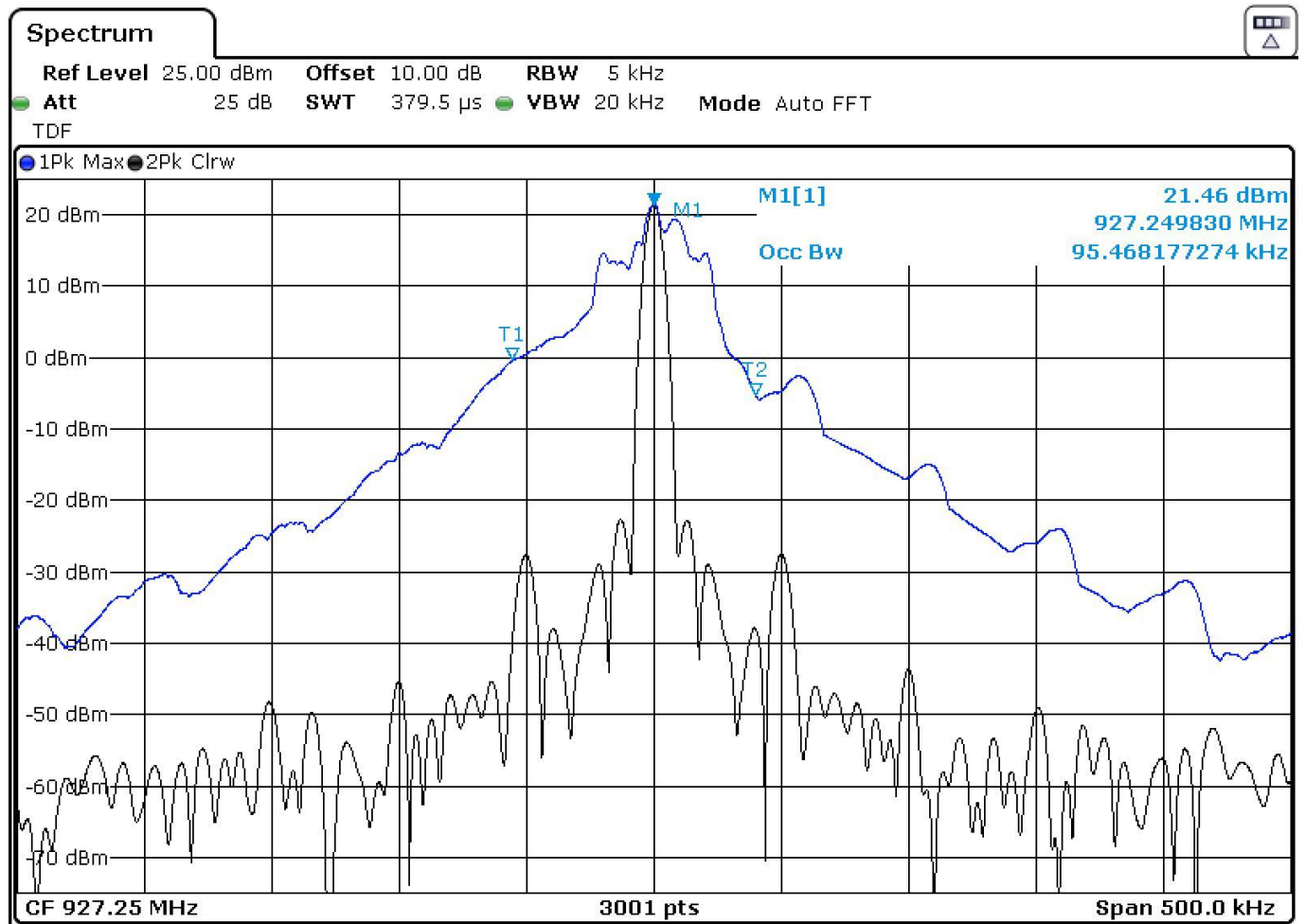
Plots for the test equipment (EUT) – Measured 20 dB Bandwidth 915.250 MHz



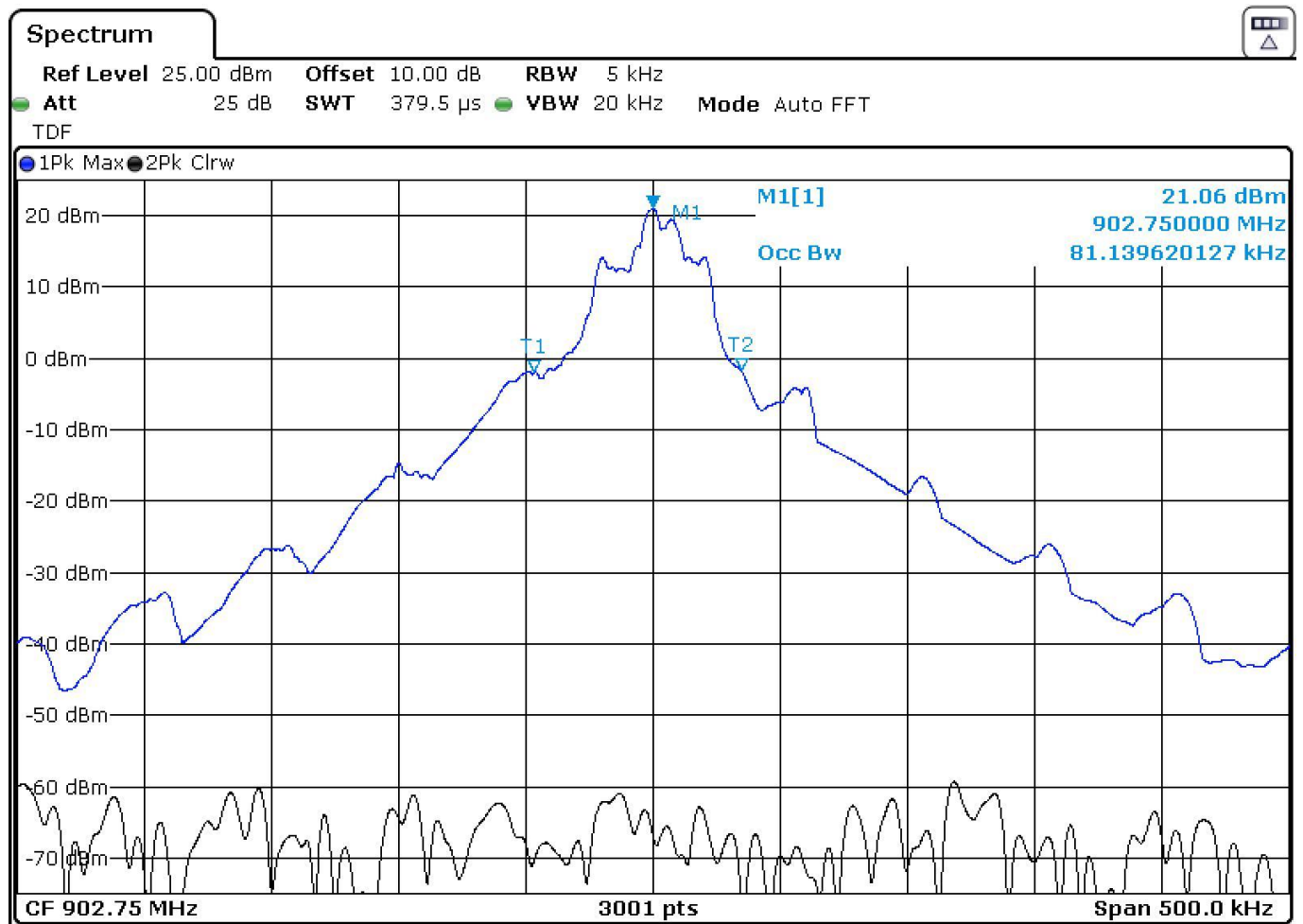
Plots for the test equipment (EUT) – Measured 20 dB Bandwidth 927.250 MHz



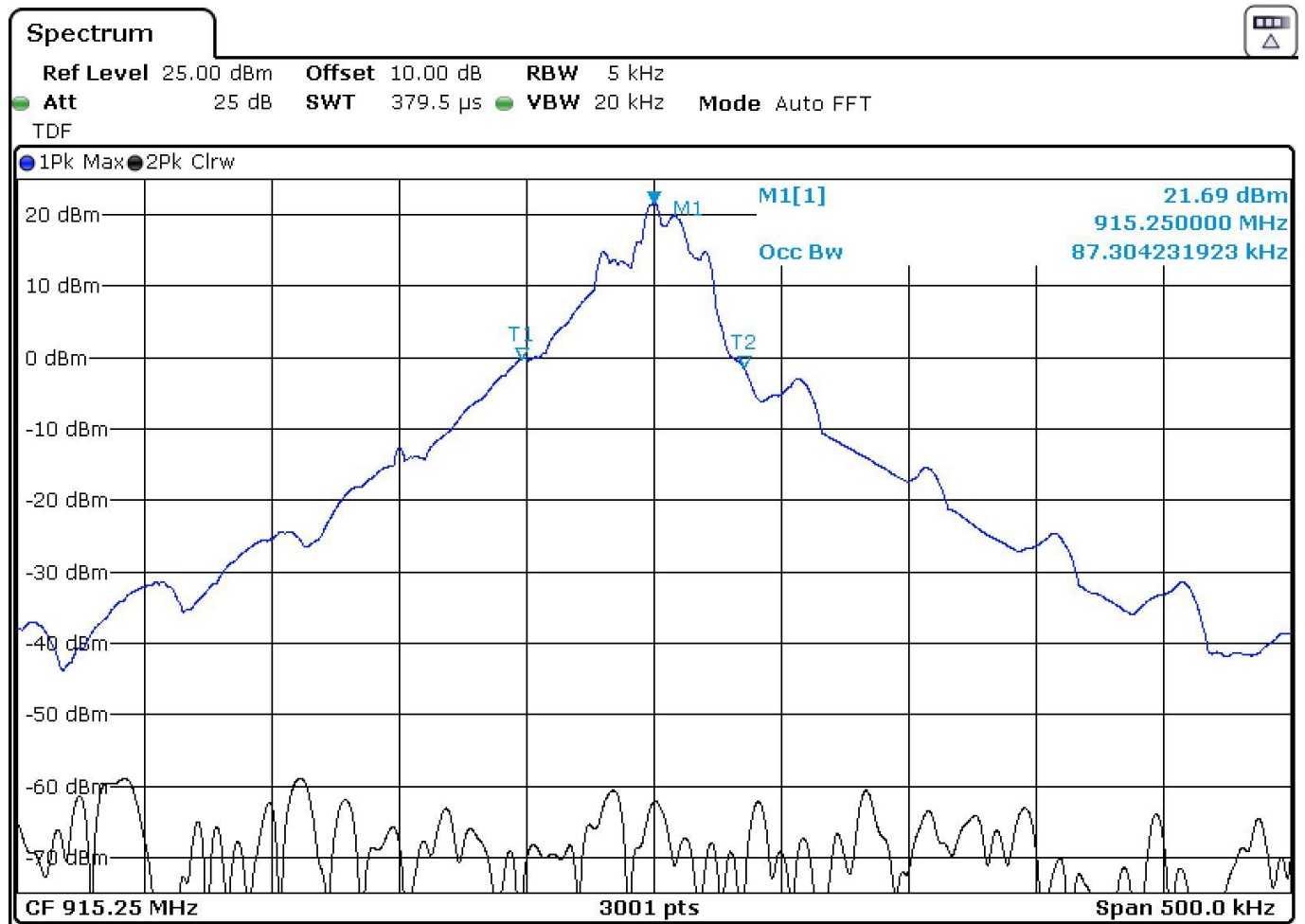
Plots for the test equipment (EUT) – Measured 99% Bandwidth 902.750 MHz



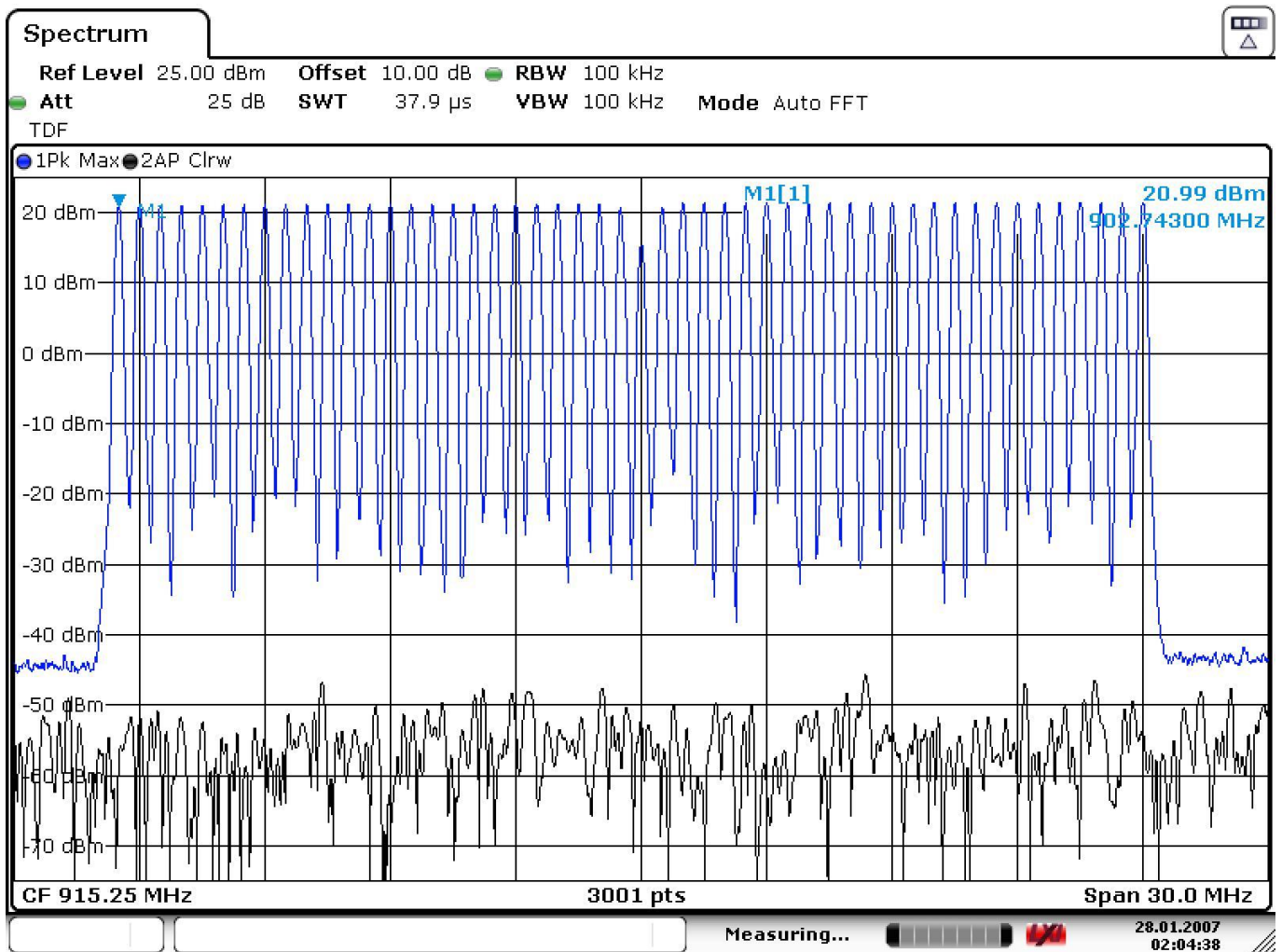
Plots for the test equipment (EUT) – Measured 99% Bandwidth 915.250 MHz



Plots for the test equipment (EUT) – Measured 99% Bandwidth 927.250 MHz



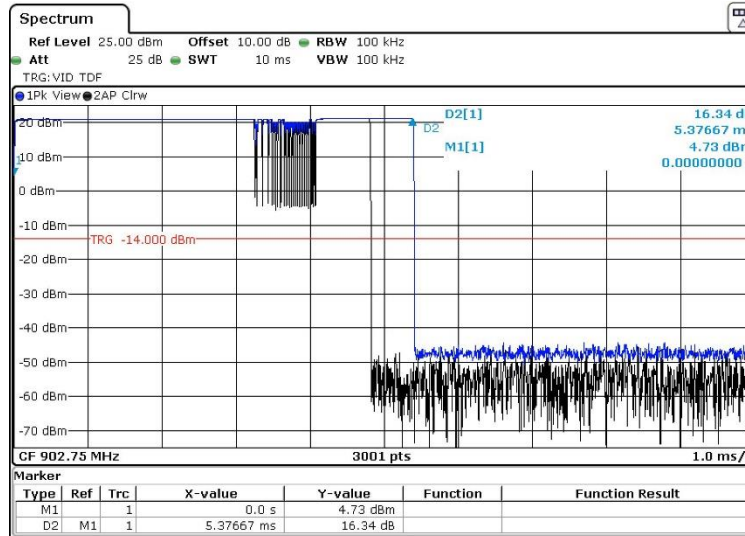
Plots for the test equipment (EUT) – hopping frequencies



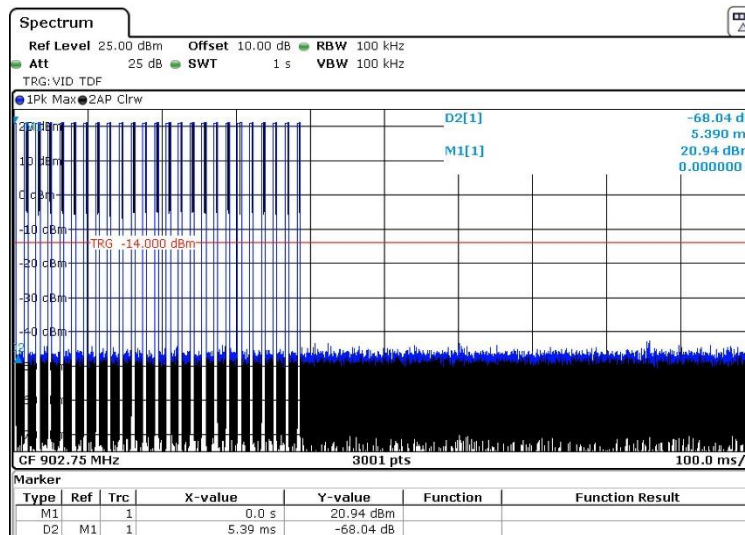
Date: 28.JAN.2007 02:04:38

Plots for the test equipment (EUT) – transmission times 902.750 MHz

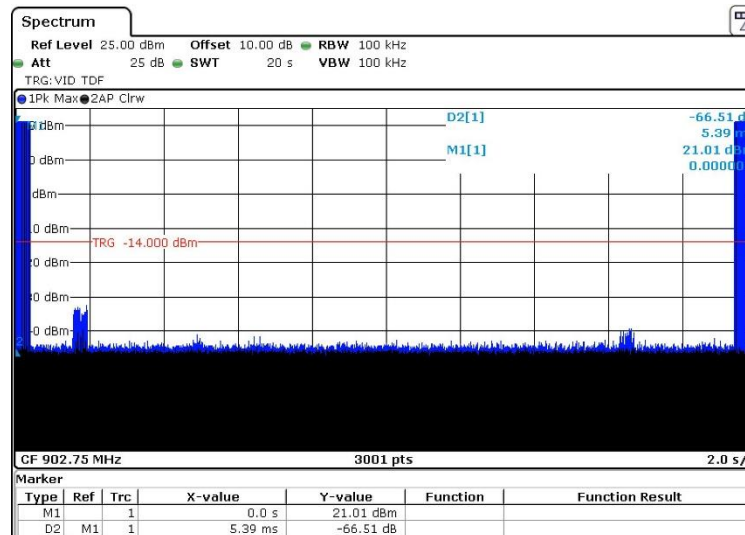
single transmission



transmission train

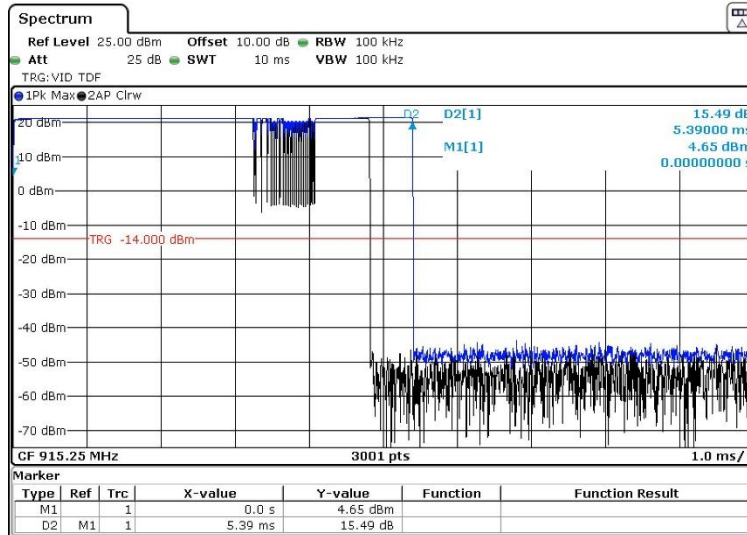


repetition of transmission train

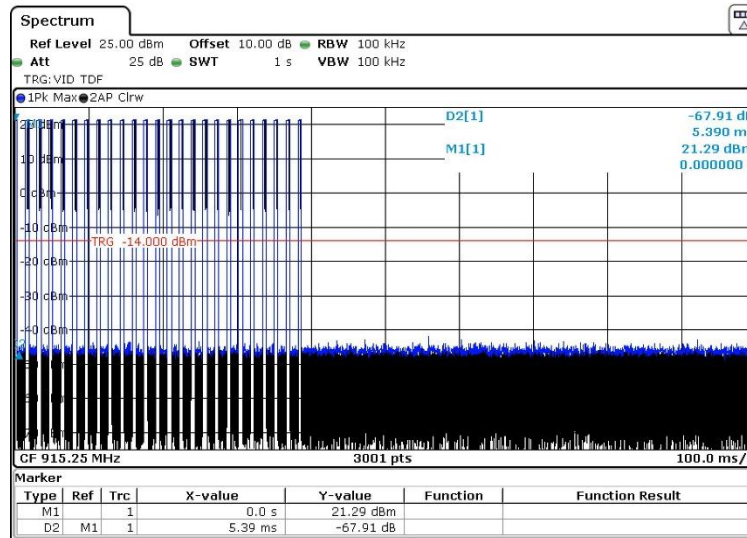


Plots for the test equipment (EUT) – transmission times 915.250 MHz

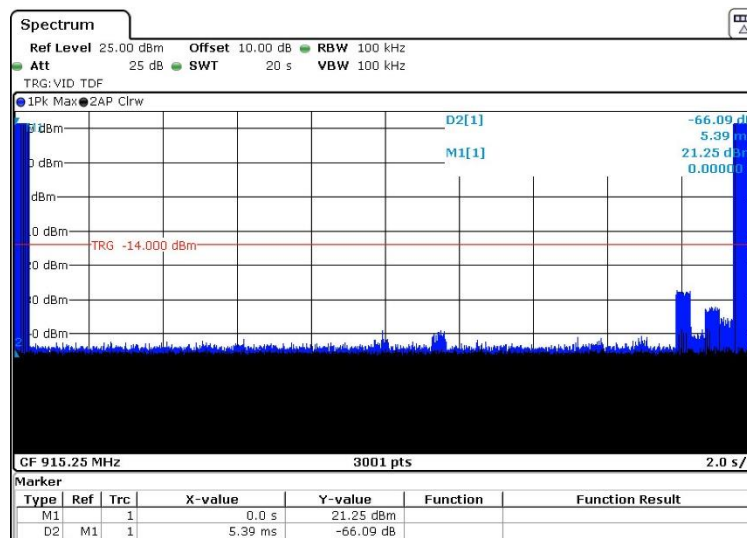
single transmission



transmission train

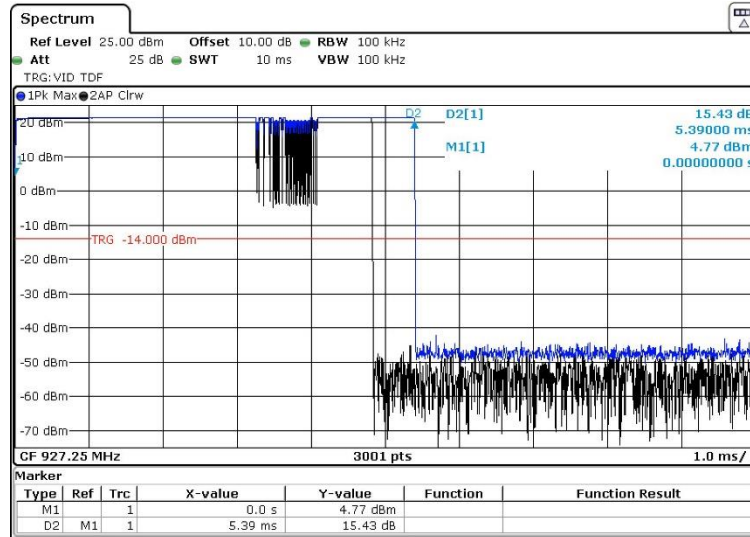


repetition of transmission train

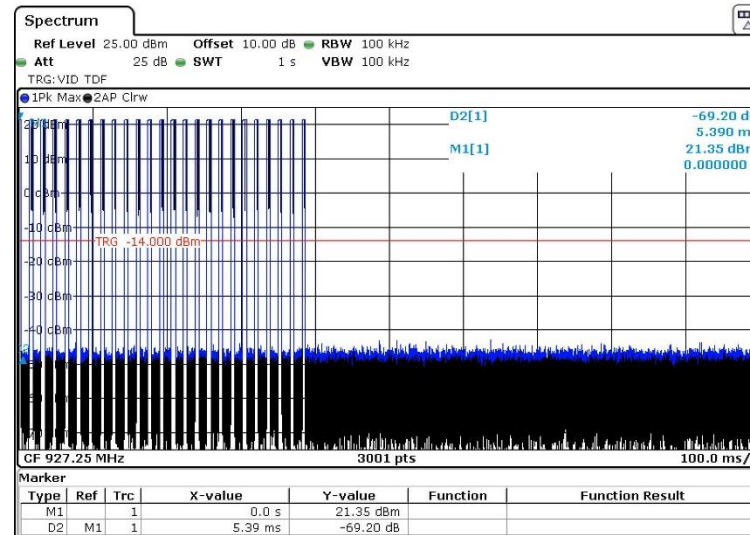


Plots for the test equipment (EUT) – transmission times 927.250 MHz

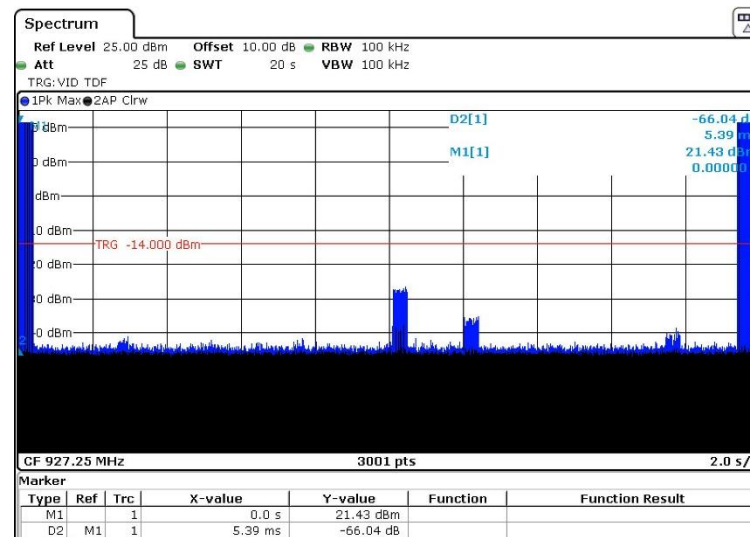
single transmission



transmission train



repetition of transmission train



Number of hopping channels	Measured 20 dB bandwidth	Limit for hopping channels at 20 dB bandwidth < 250 kHz*
50	77.14 kHz	50

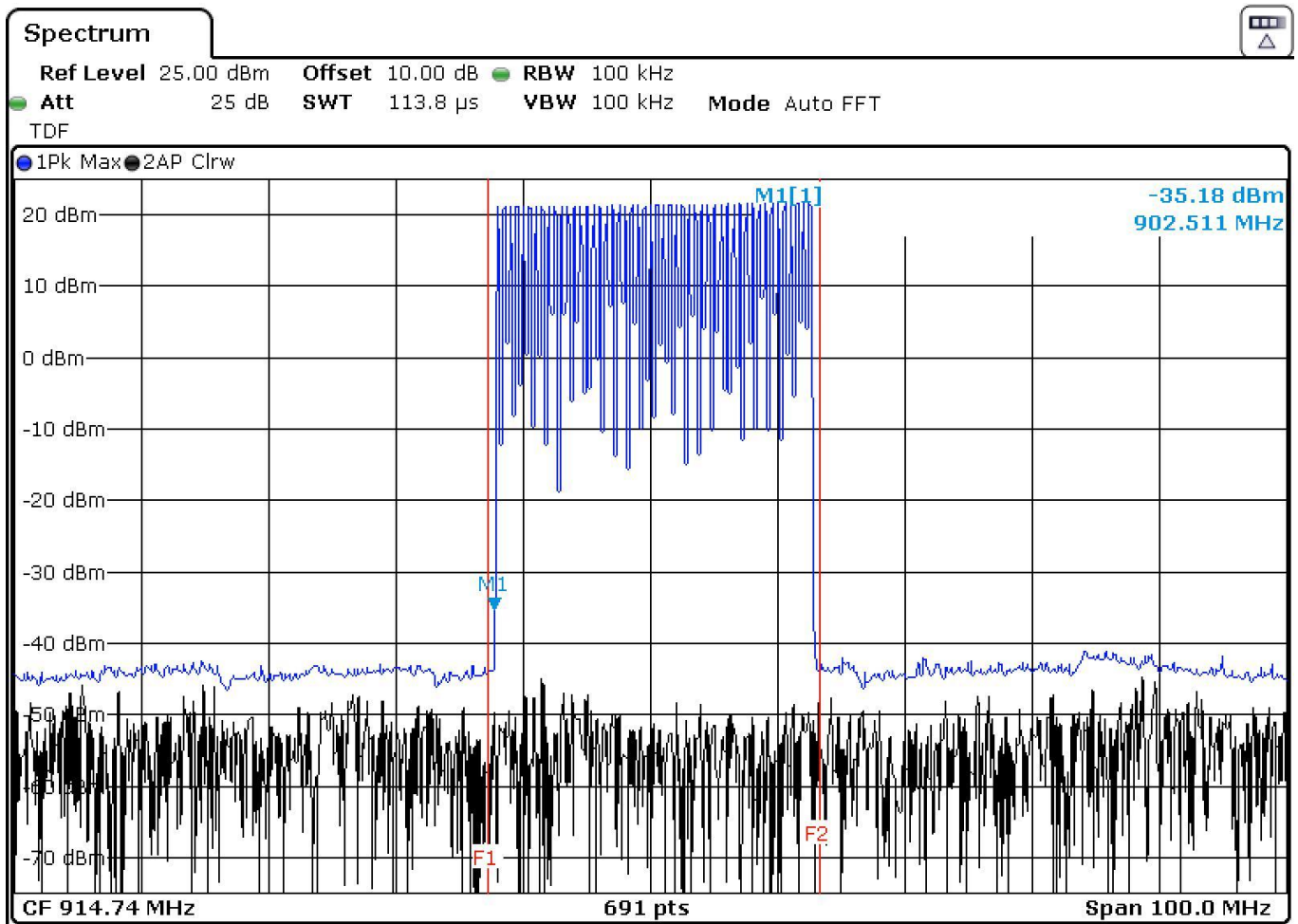
Channel/ Frequency MHz	Measured Single dwell time (worst case)	Number of dwell times within a second period*	Average time of occupancy within a second period*	Limit for a second period*
902.750	5.377 ms	50	268.85 ms	400 ms
915.250	5.390 ms	50	269.5 ms	400 ms
927.250	5.390 ms	50	269.5 ms	400 ms

There are 50 hopping frequencies in use, the maximum 20 dB bandwidth is 77.14 kHz and the average time of occupancy is 269.5 msec.

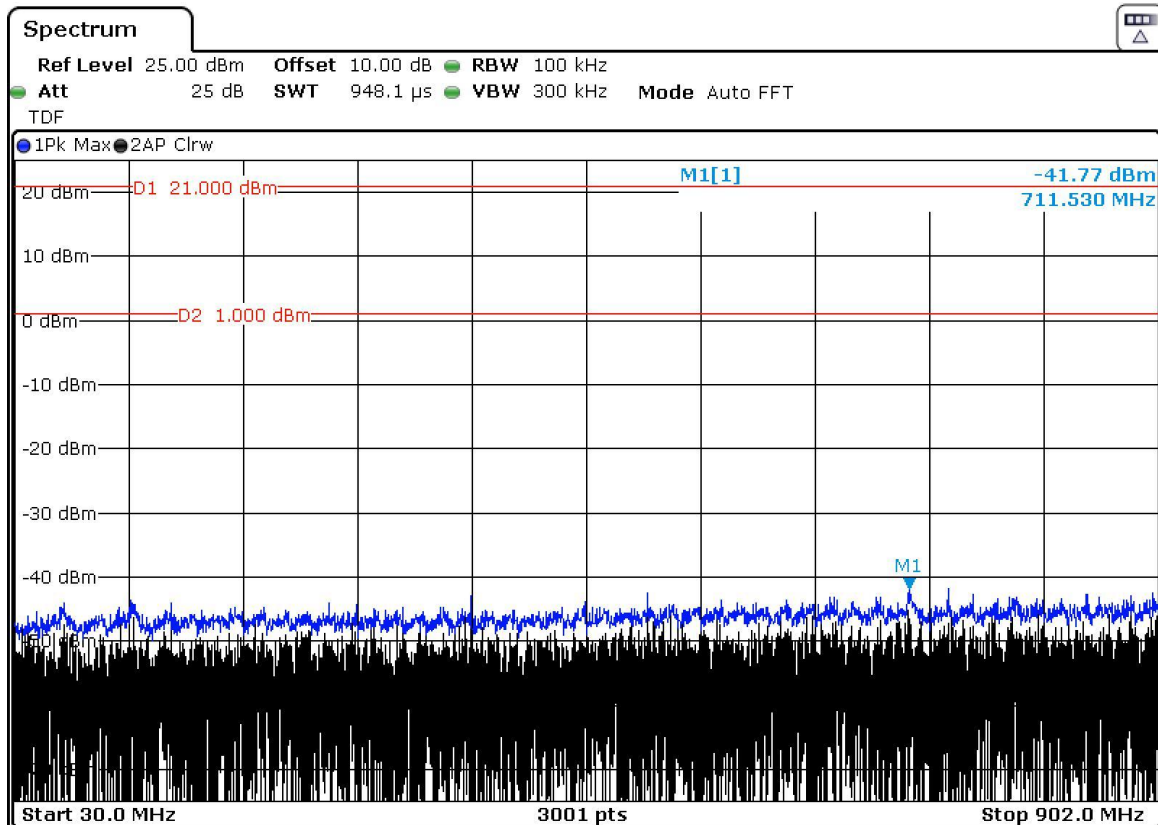
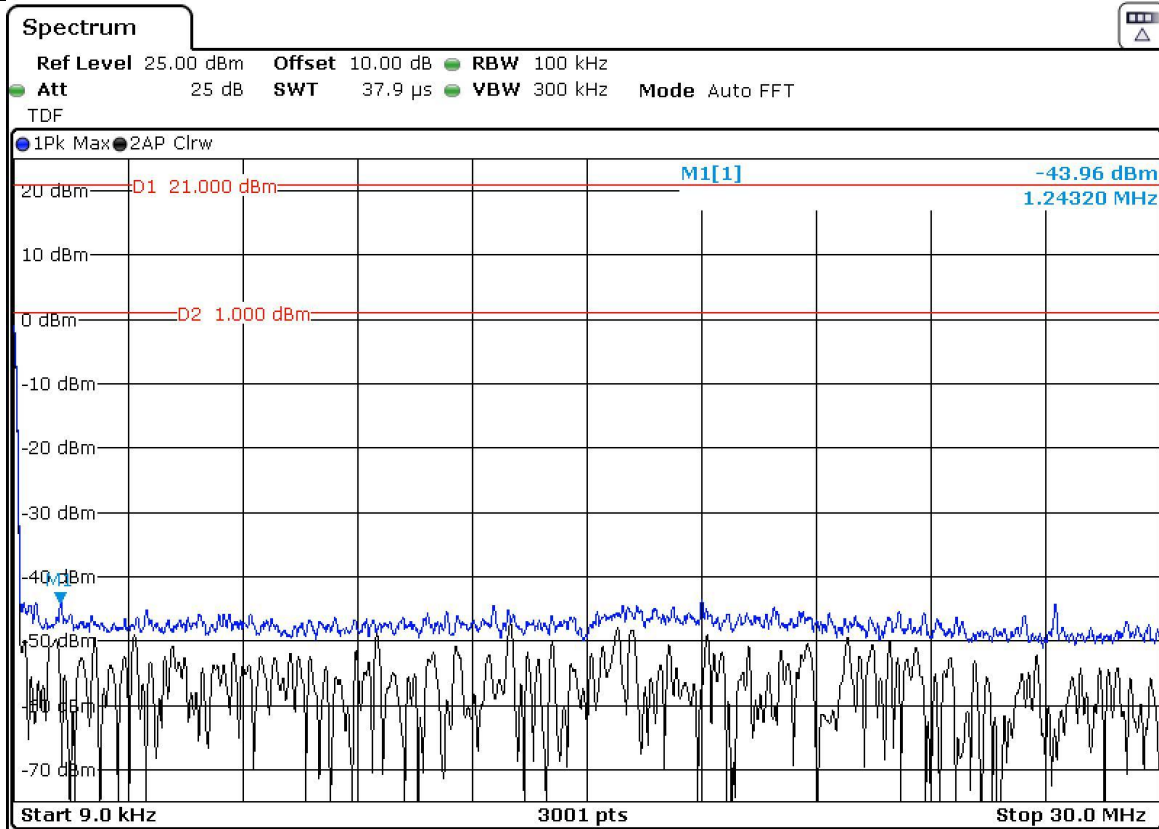
In addition, the average time of occupancy on any frequency shall not exceed 400 milliseconds in any 20-second period.

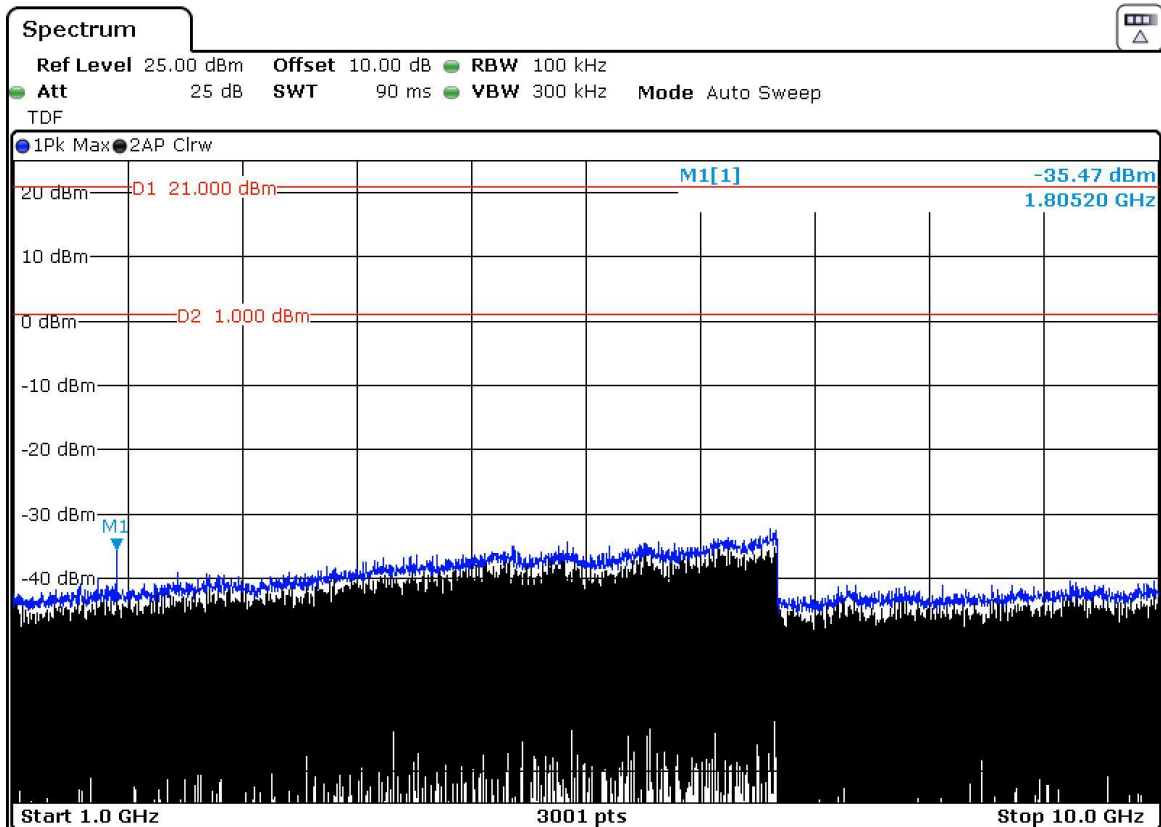
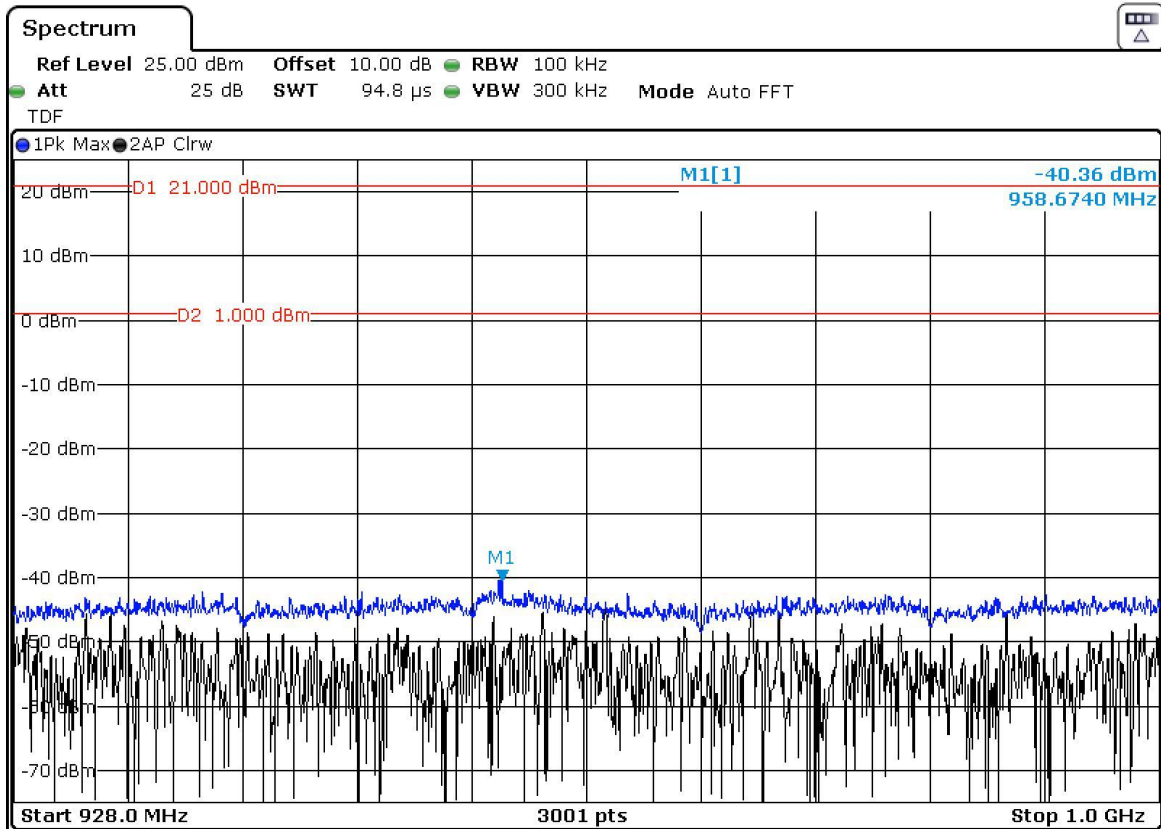
Using a spectrum analyzer with a Zero span, the “on frequency time” was determined to be maximal 5.39 msec. With the spectrum analyzer still operating with a Zero span the transmitter was observed to be “on frequency”, on average, $25 \times 2 \times 5.39$ ms in any 20 second period. Therefore, worst-case average time of occupancy is 269.5 msec.

Plots for the test equipment (EUT) – out of band emissions

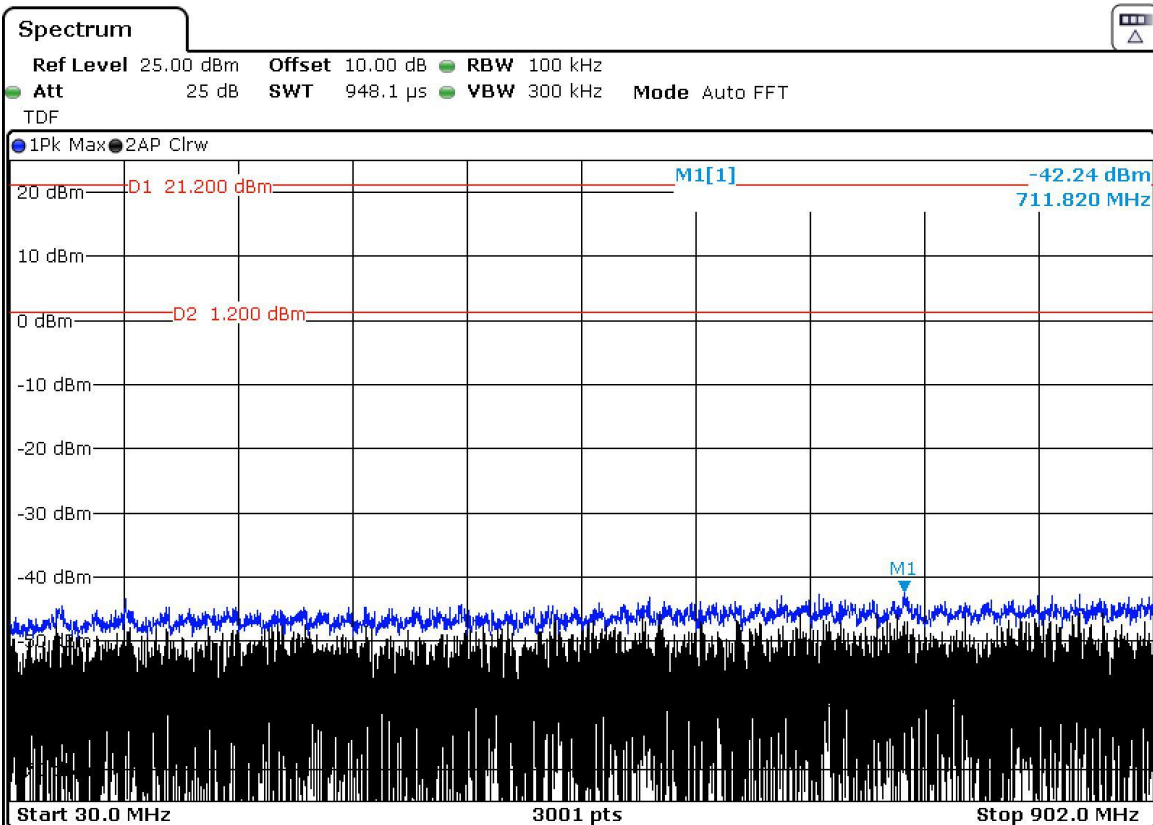
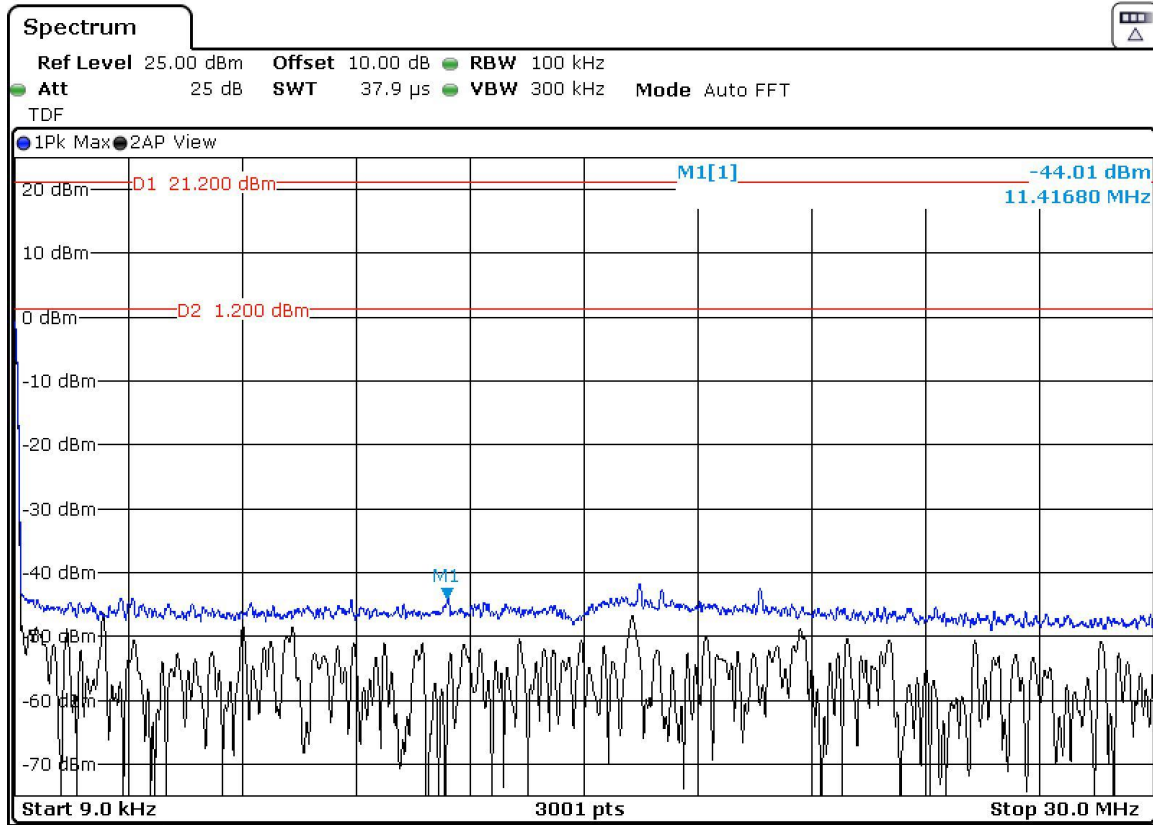


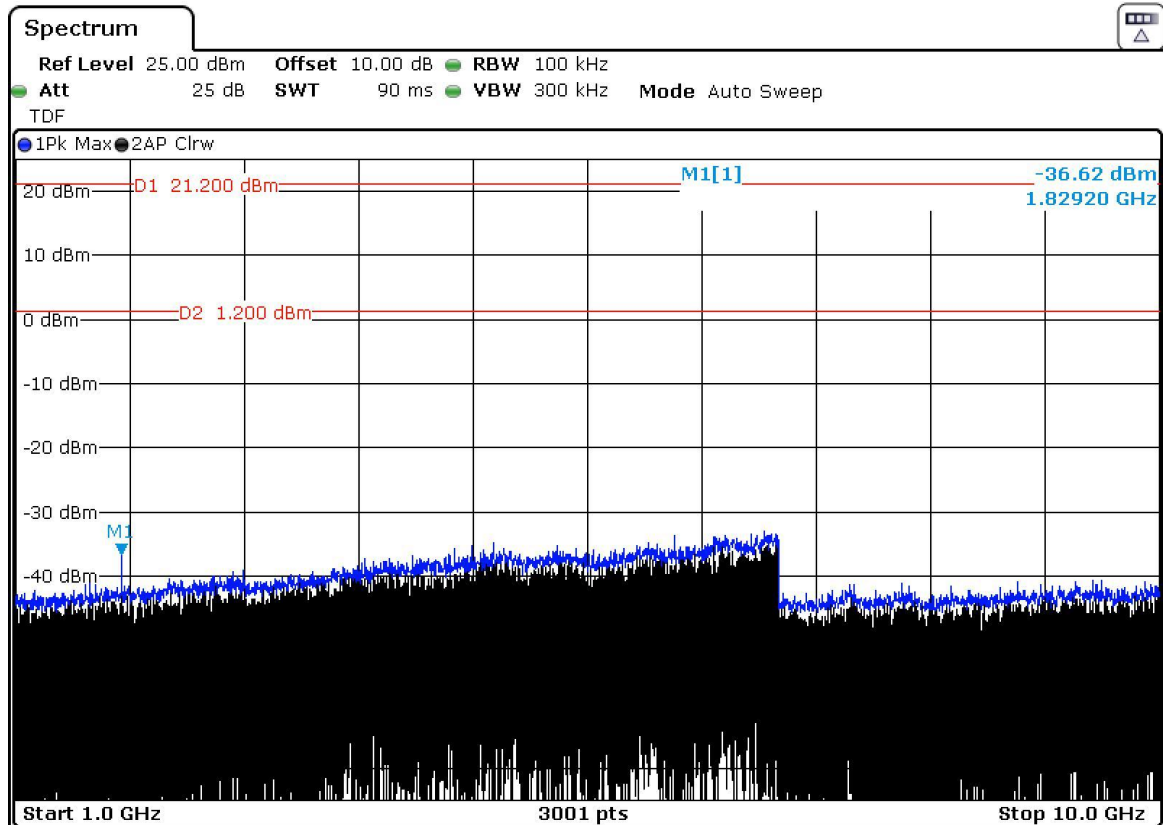
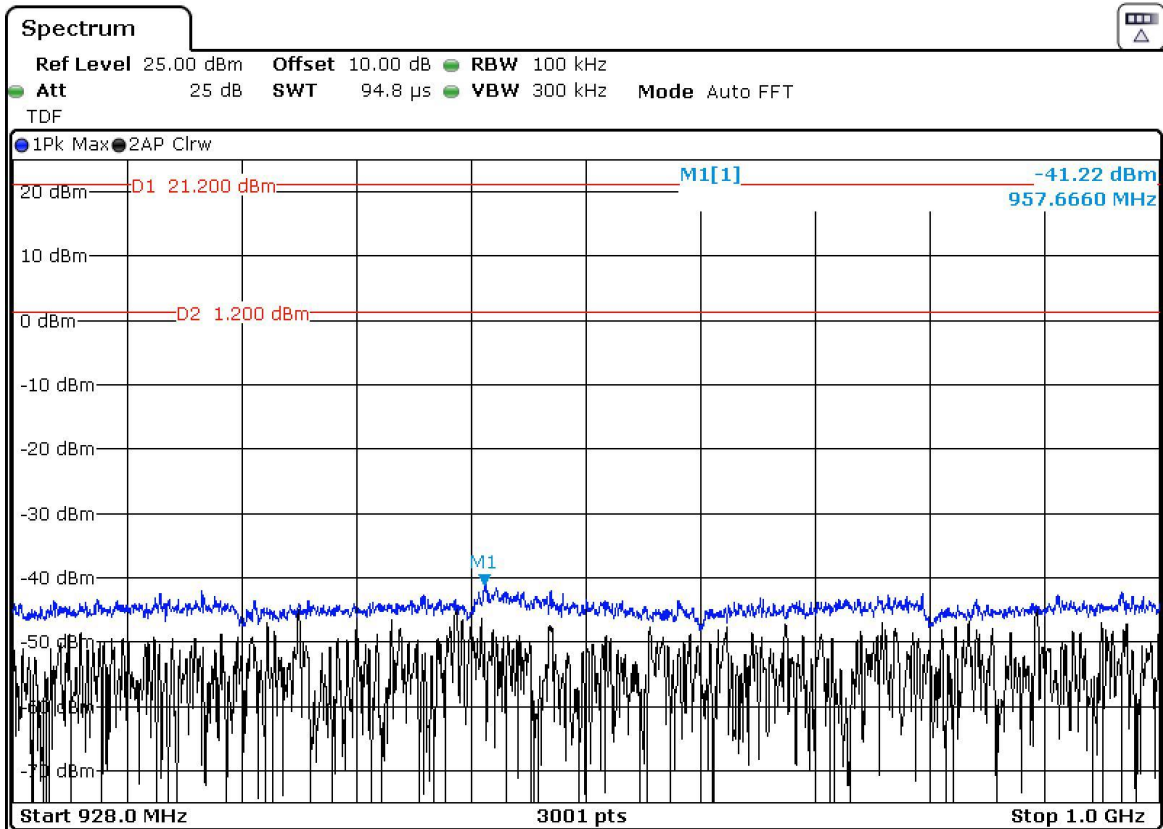
Plots for the test equipment (EUT) – conducted spurious emissions at antenna port 902.750 MHz





Plots for the test equipment (EUT) – conducted spurious emissions at antenna port 915.250 MHz





Plots for the test equipment (EUT) – conducted spurious emissions at antenna port 927.250 MHz

