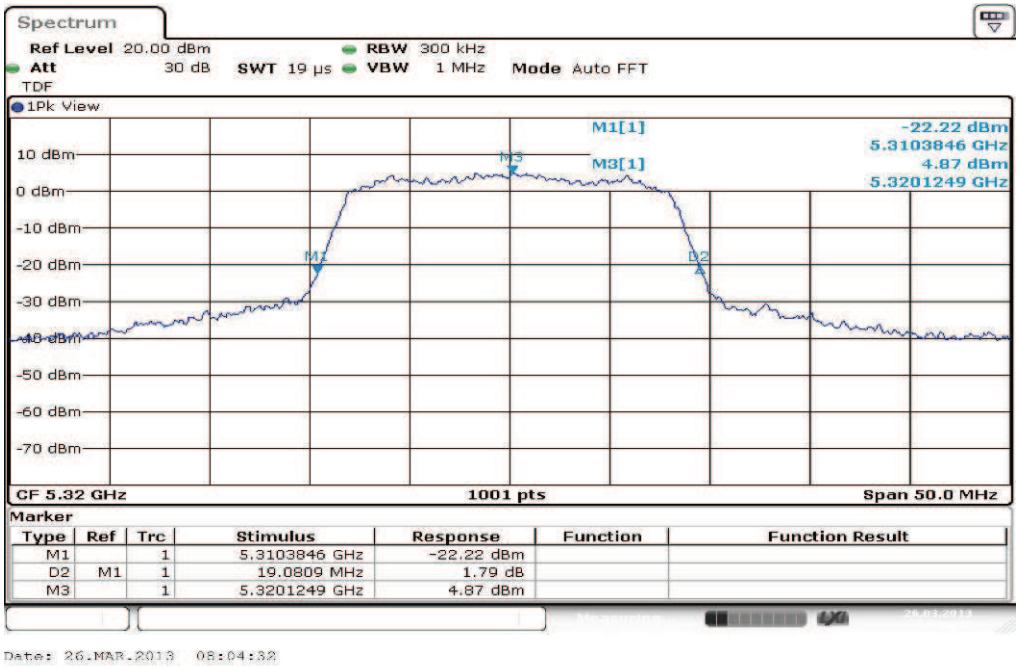
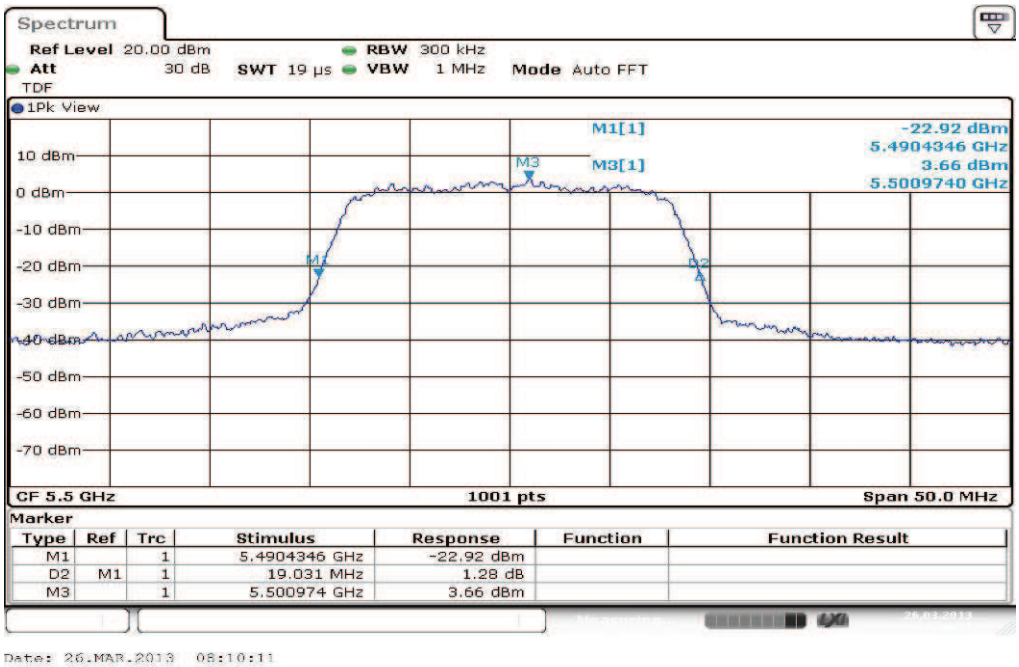
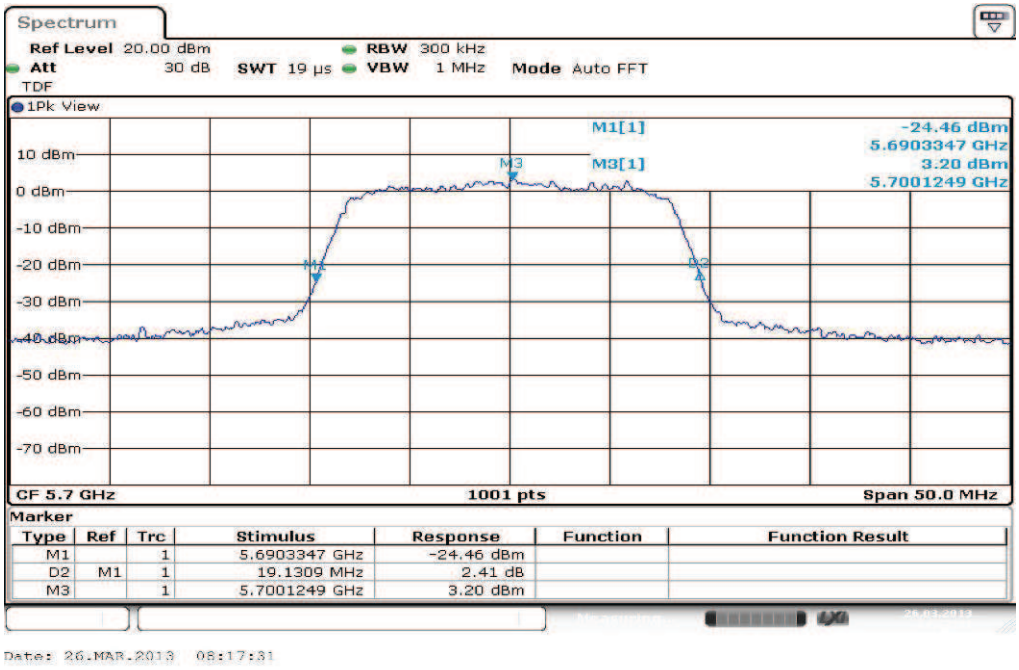
Plot 3: 5320 MHz



Plot 4: 5500 MHz

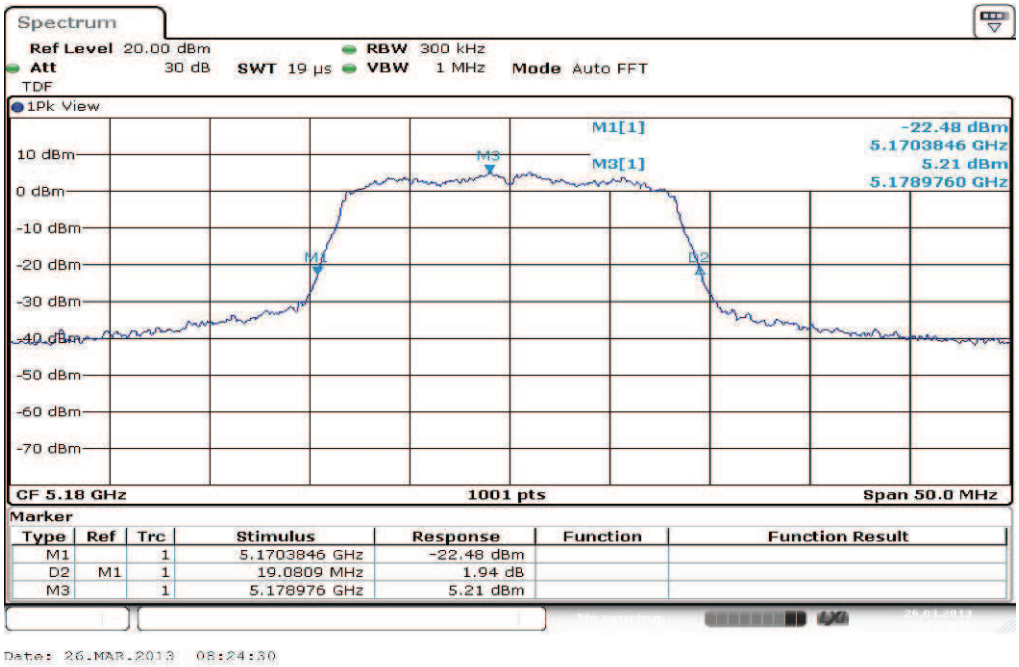


Plot 5: 5700 MHz

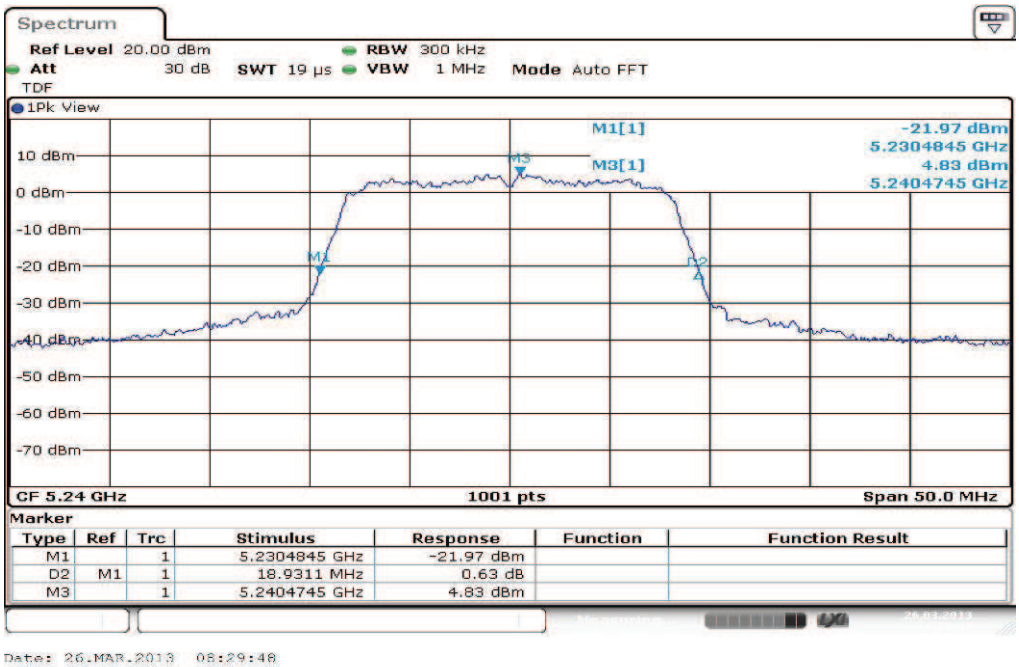


Plots: OFDM / a – mode 24 Mbps

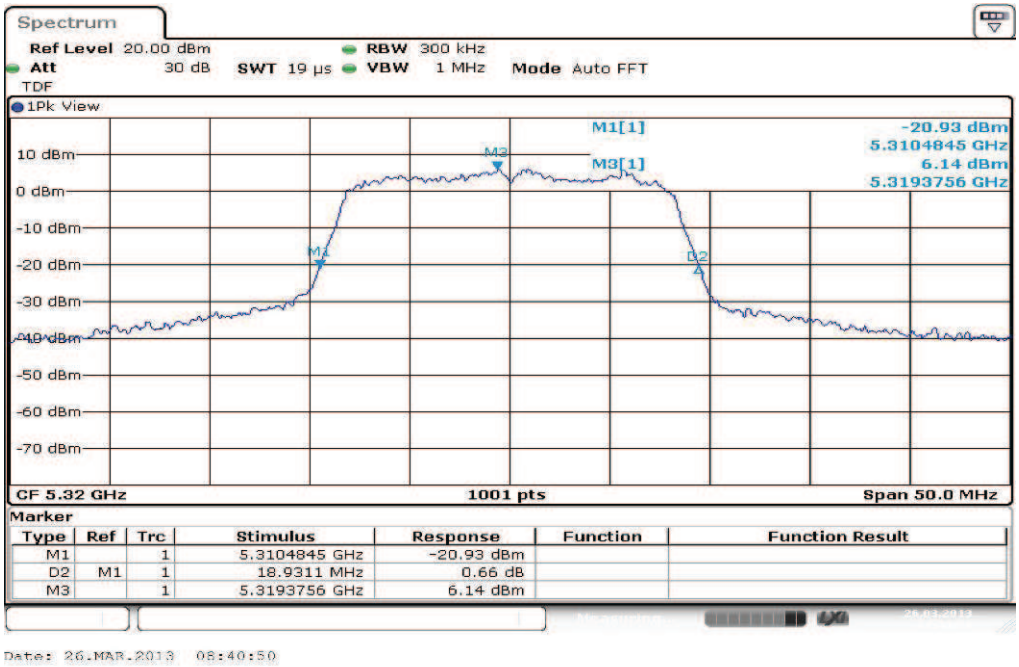
Plot 1: 5180 MHz



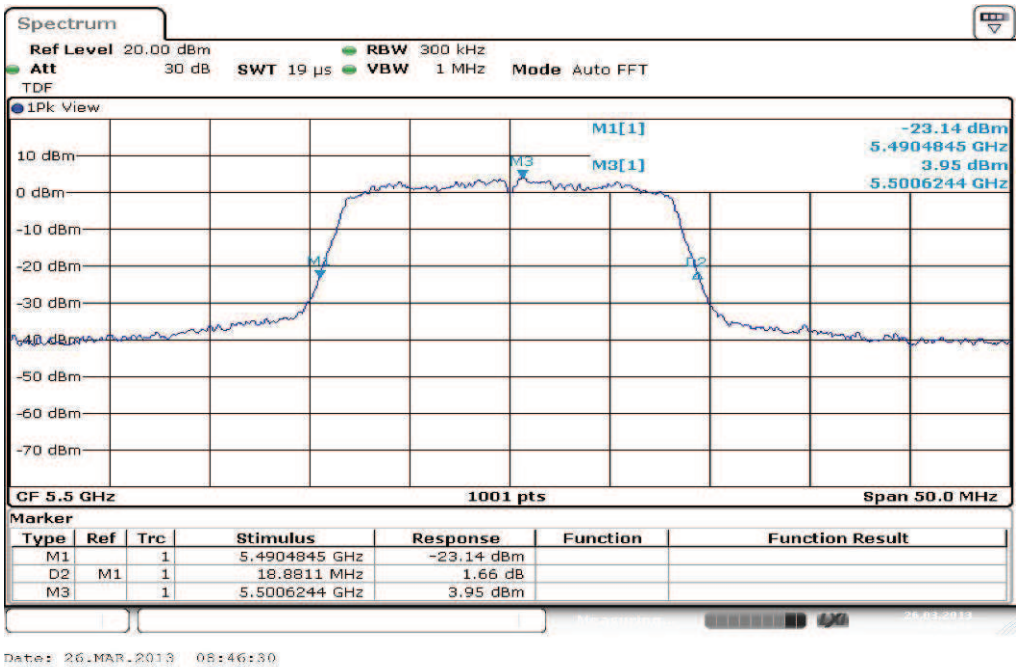
Plot 2: 5240 MHz



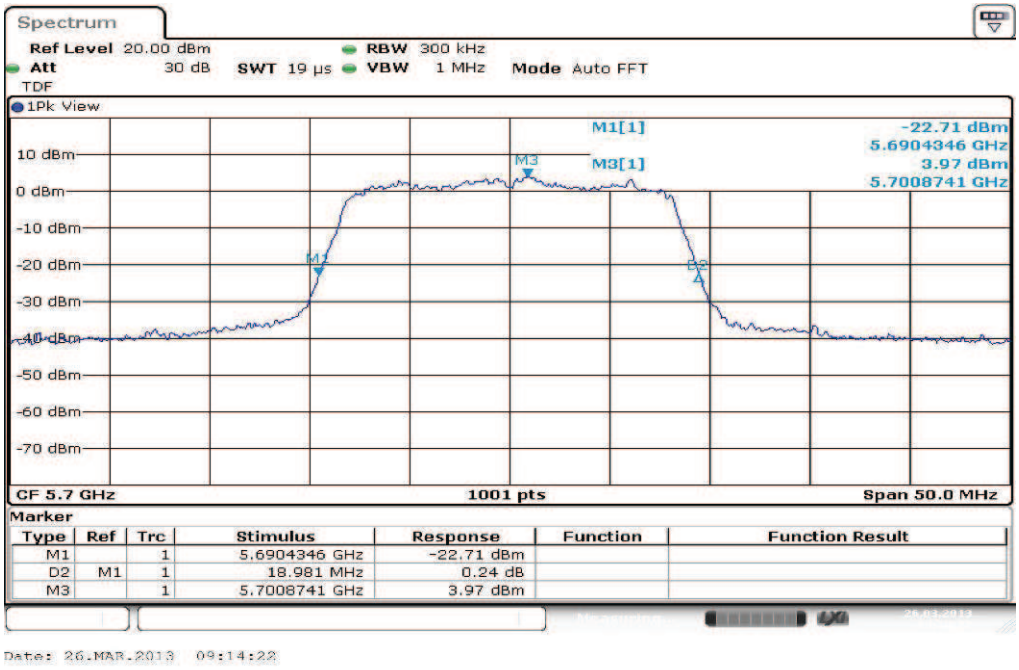
Plot 3: 5320 MHz



Plot 4: 5500 MHz

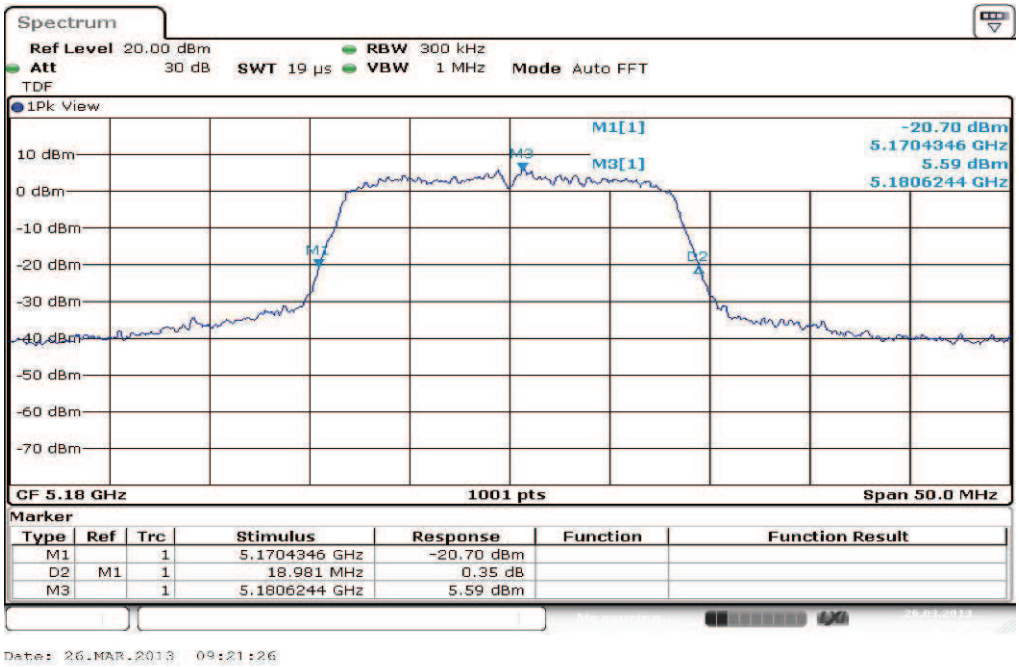


Plot 5: 5700 MHz

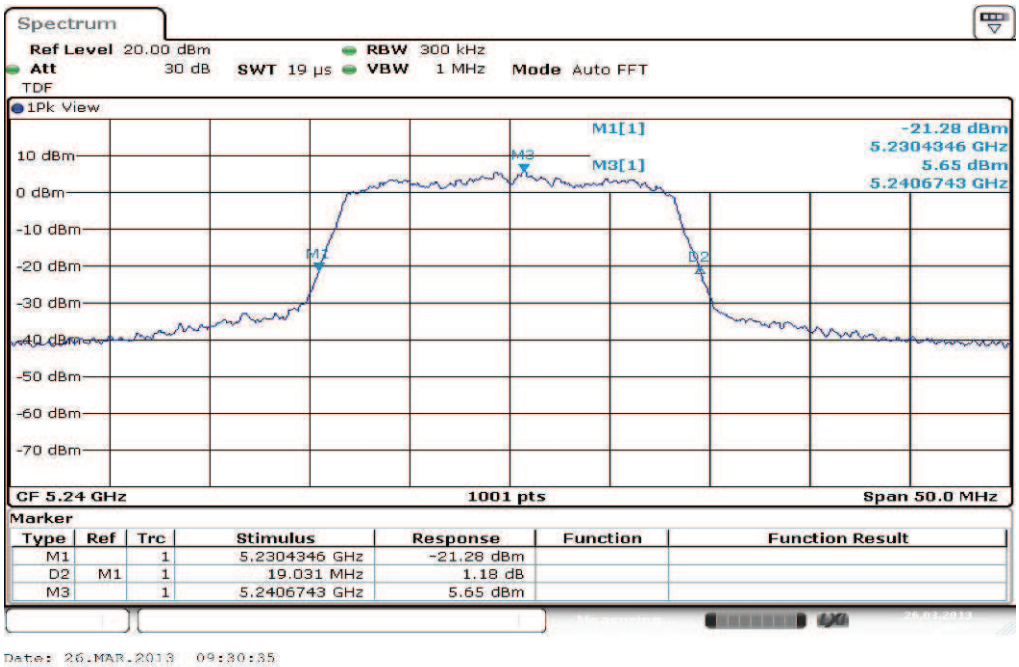


Plots: OFDM / a – mode 54 Mbps

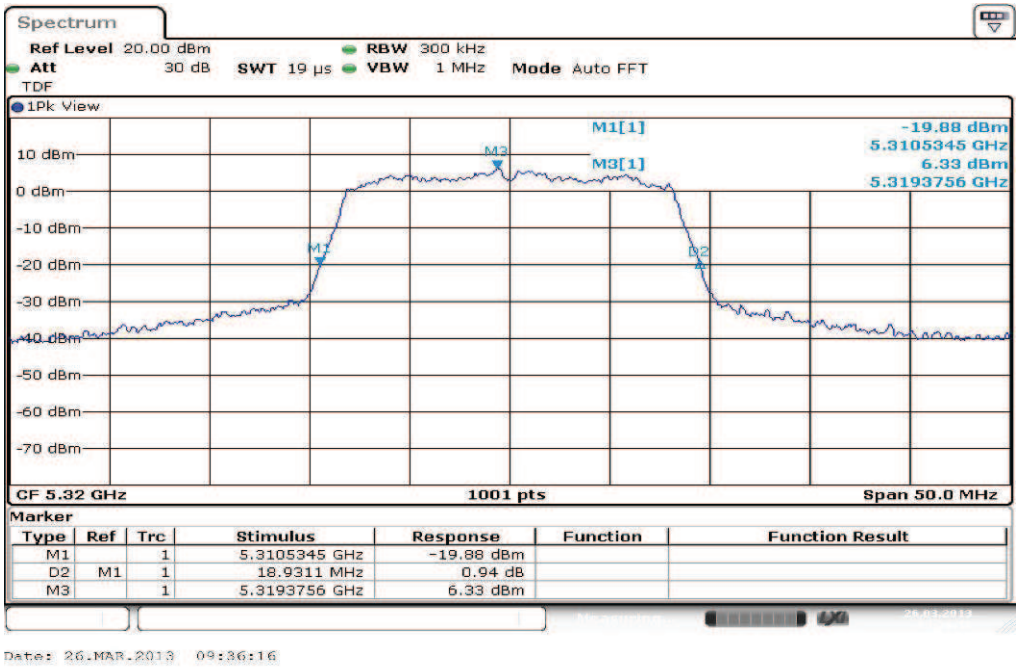
Plot 1: 5180 MHz



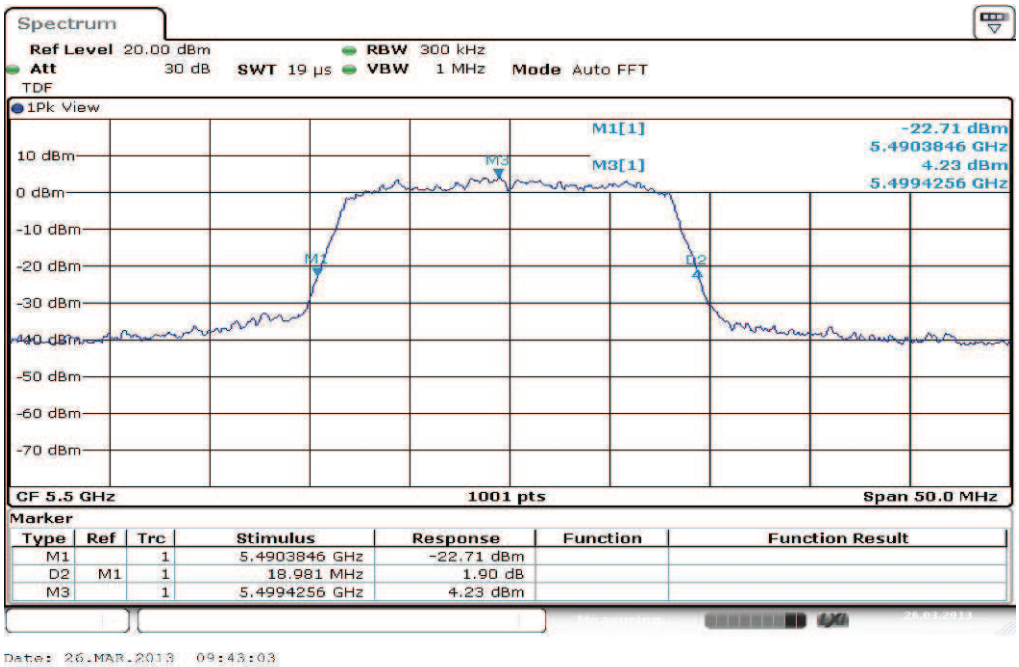
Plot 2: 5240 MHz



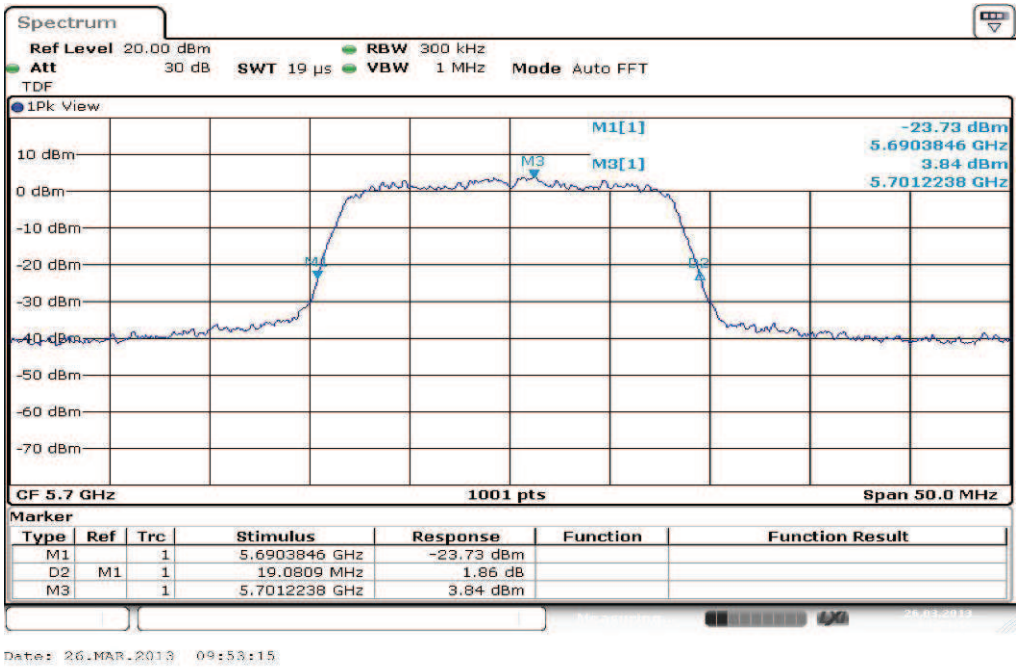
Plot 3: 5320 MHz



Plot 4: 5500 MHz

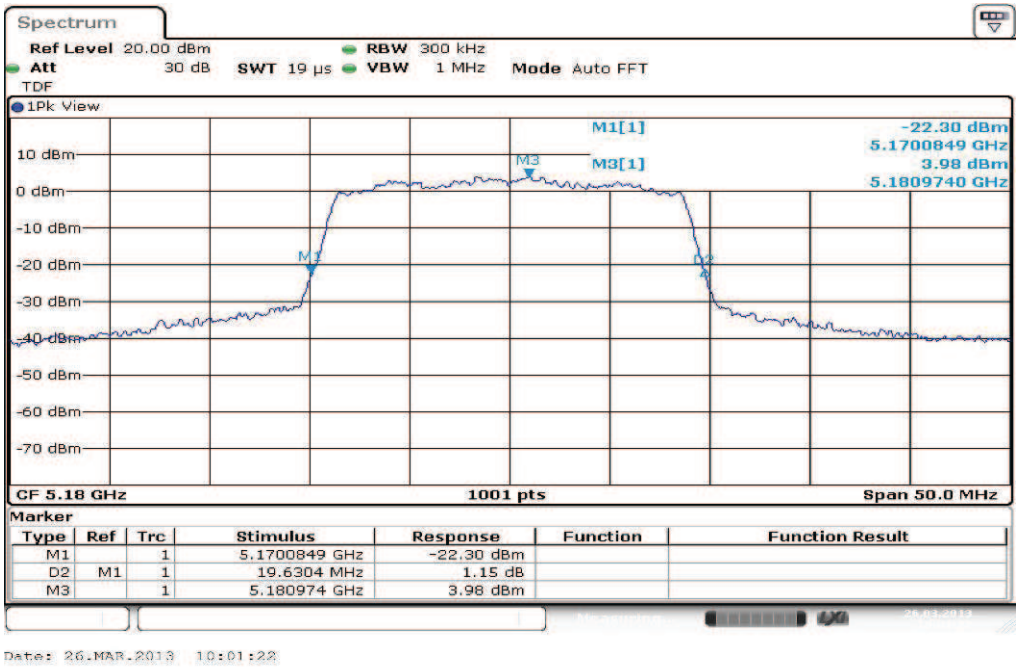


Plot 5: 5700 MHz

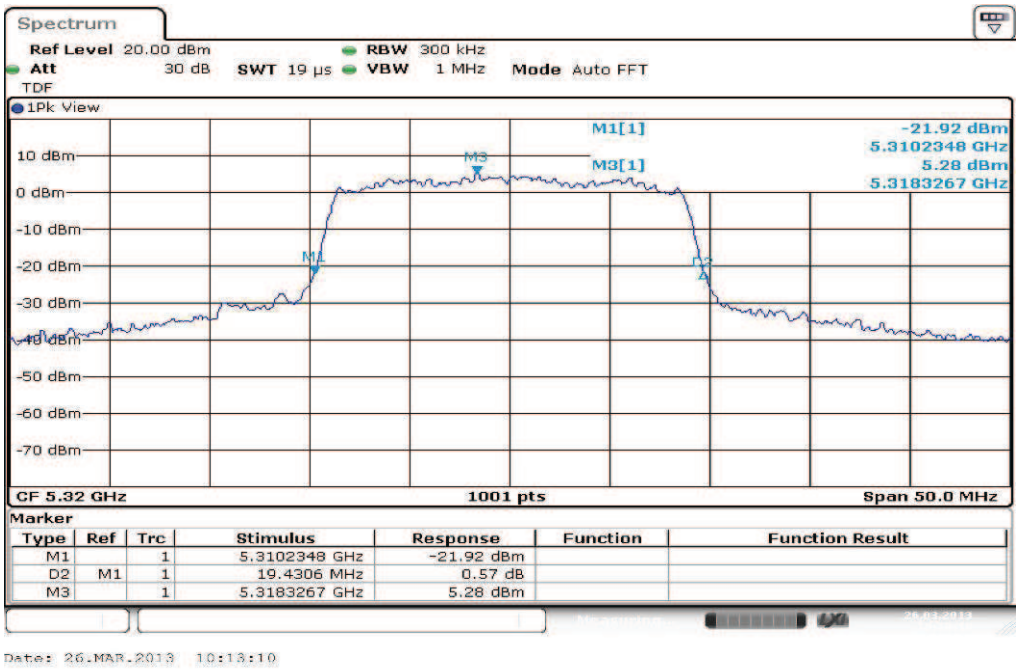


Plots: OFDM / n – mode HT20 MCS0

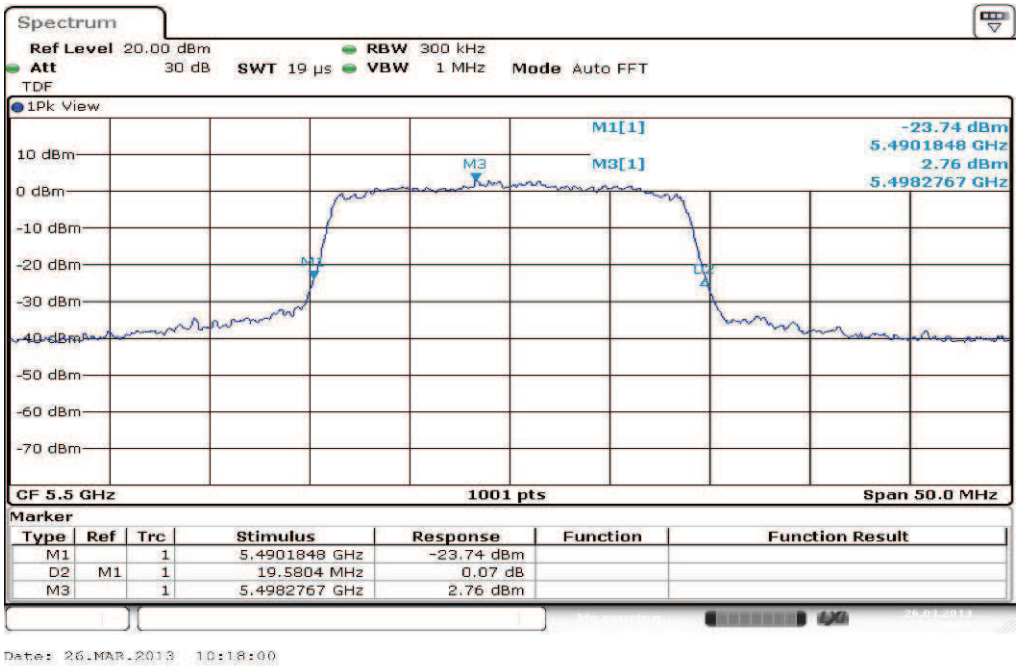
Plot 1: 5180 MHz



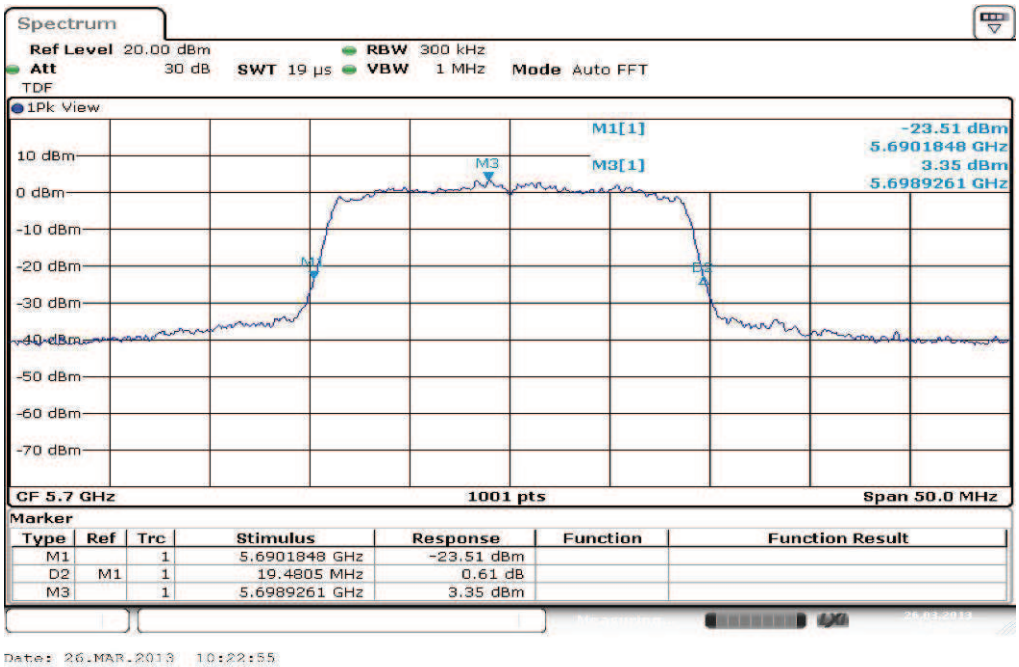
Plot 2: 5320 MHz



Plot 3: 5500 MHz

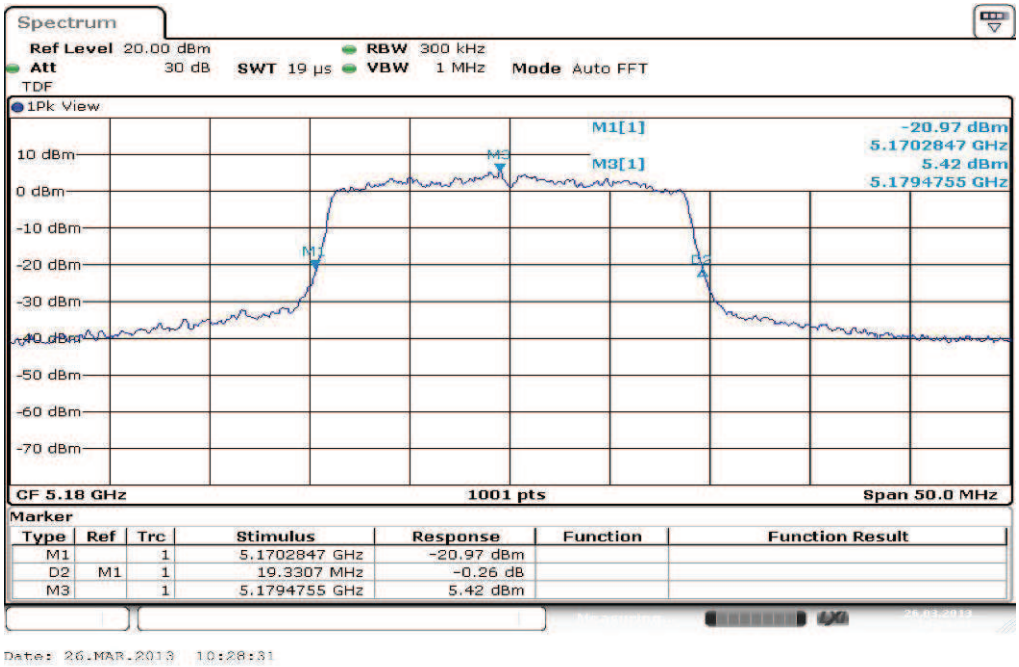


Plot 4: 5700 MHz

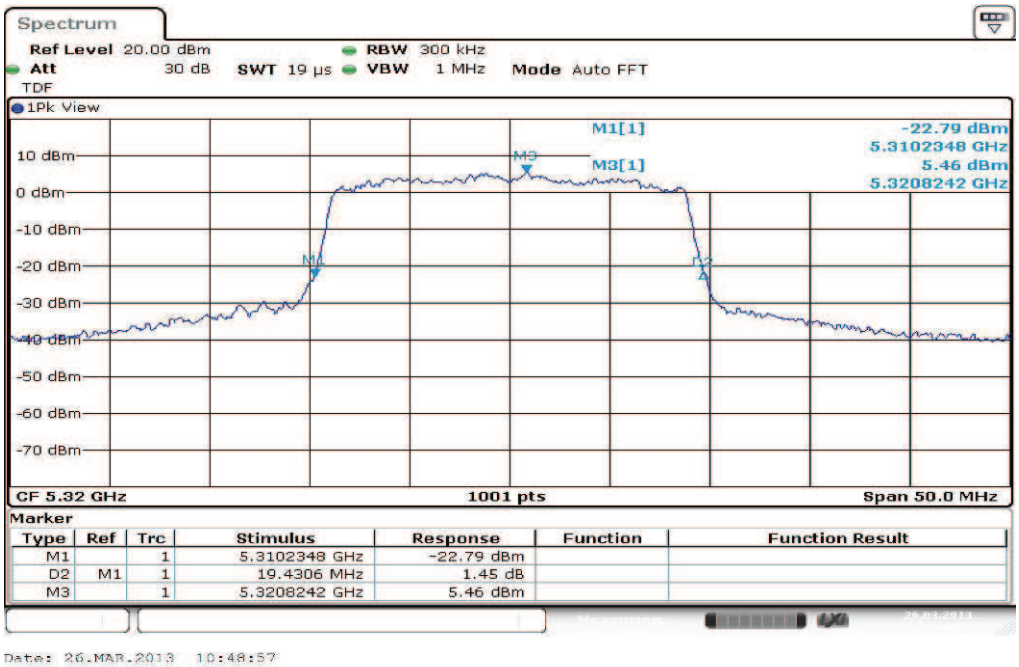


Plots: OFDM / n – mode HT20 MCS4

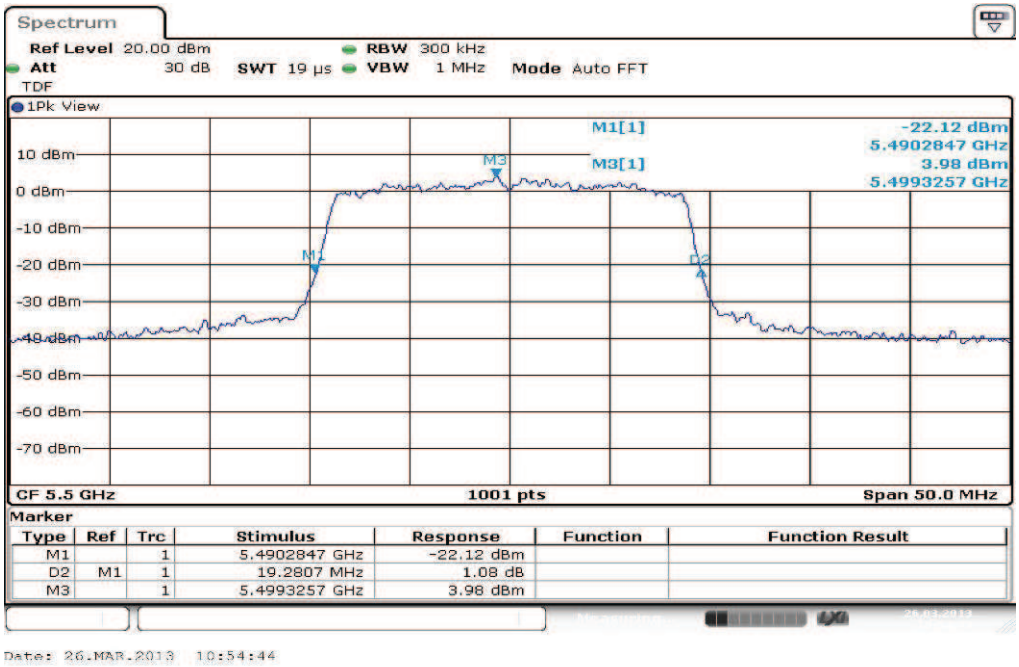
Plot 5: 5180 MHz



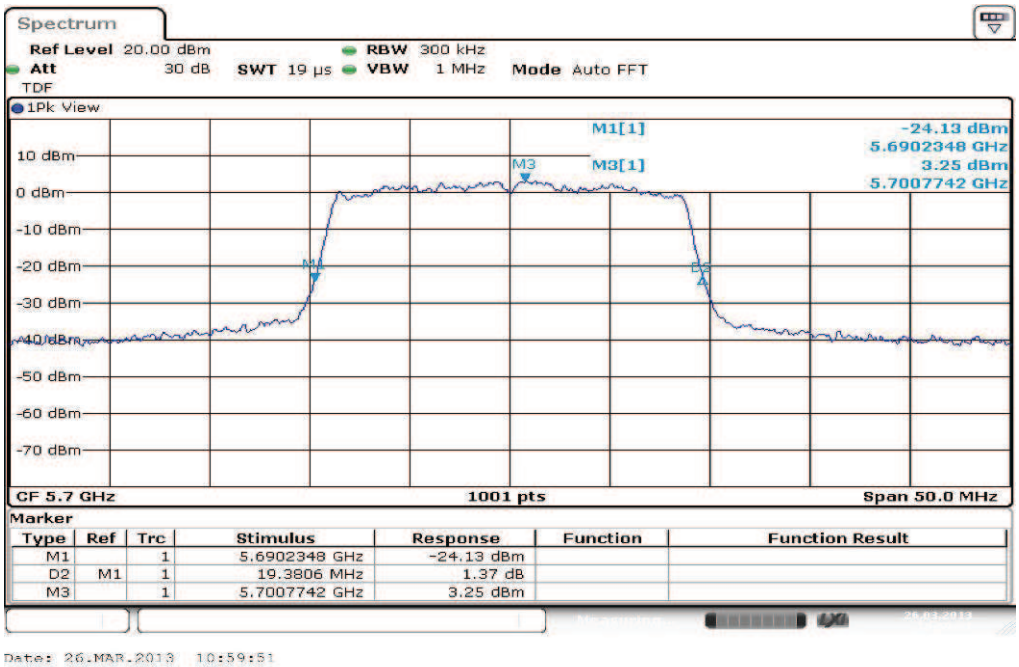
Plot 6: 5320 MHz



Plot 7: 5500 MHz

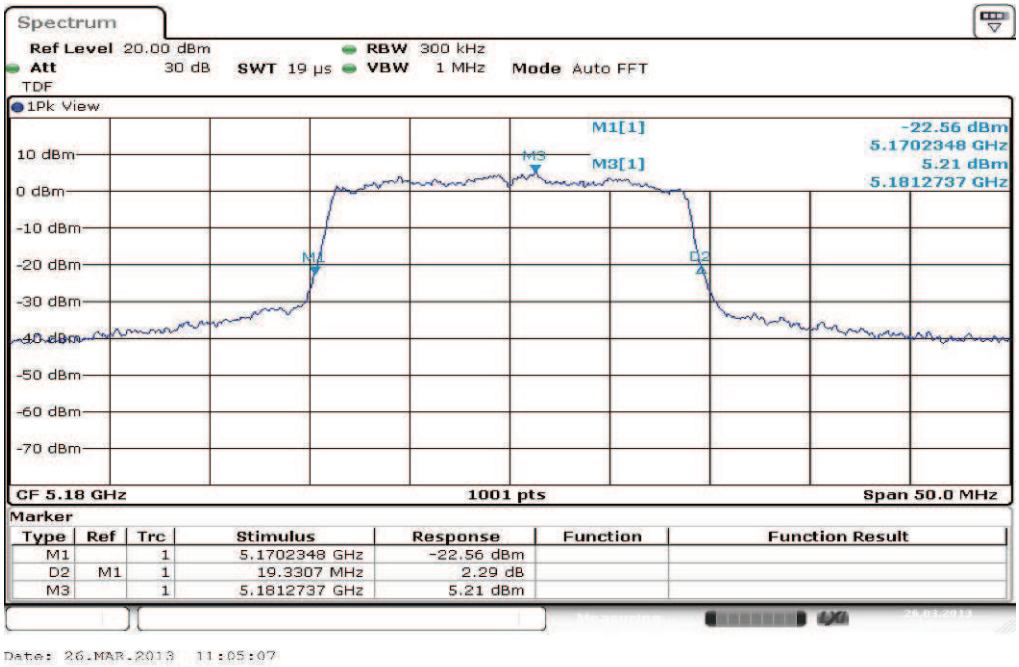


Plot 8: 5700 MHz

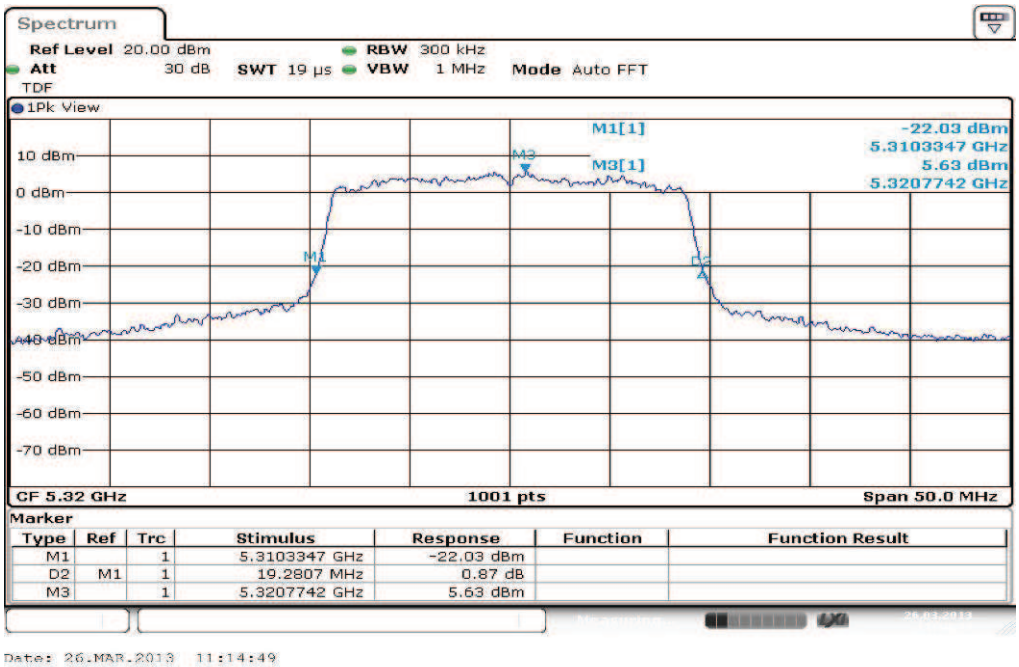


Plots: OFDM / n – mode HT20 MCS7

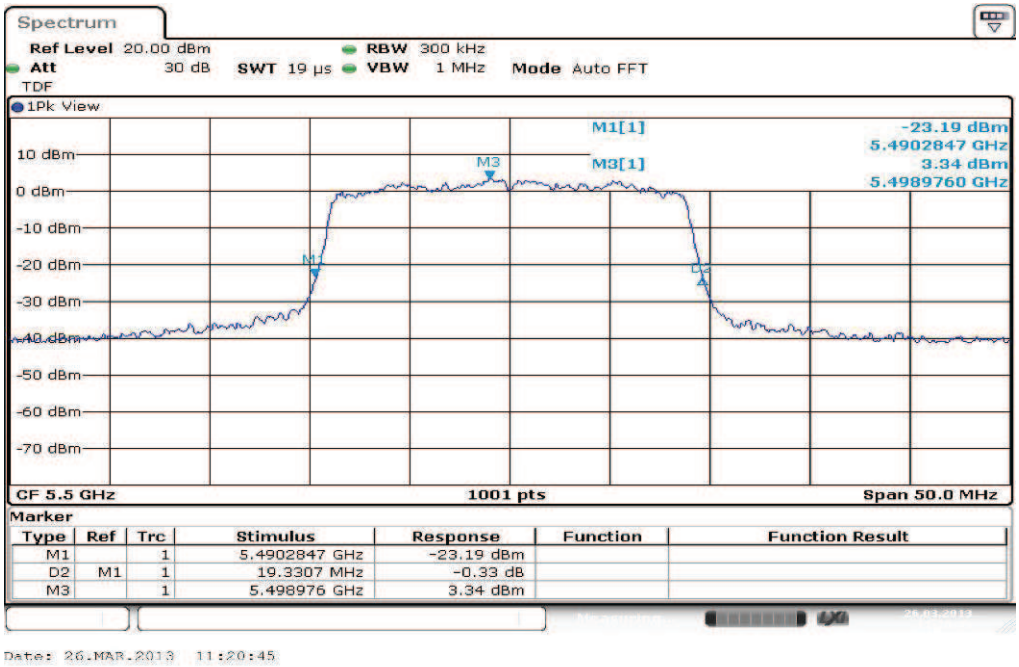
Plot 9: 5180 MHz



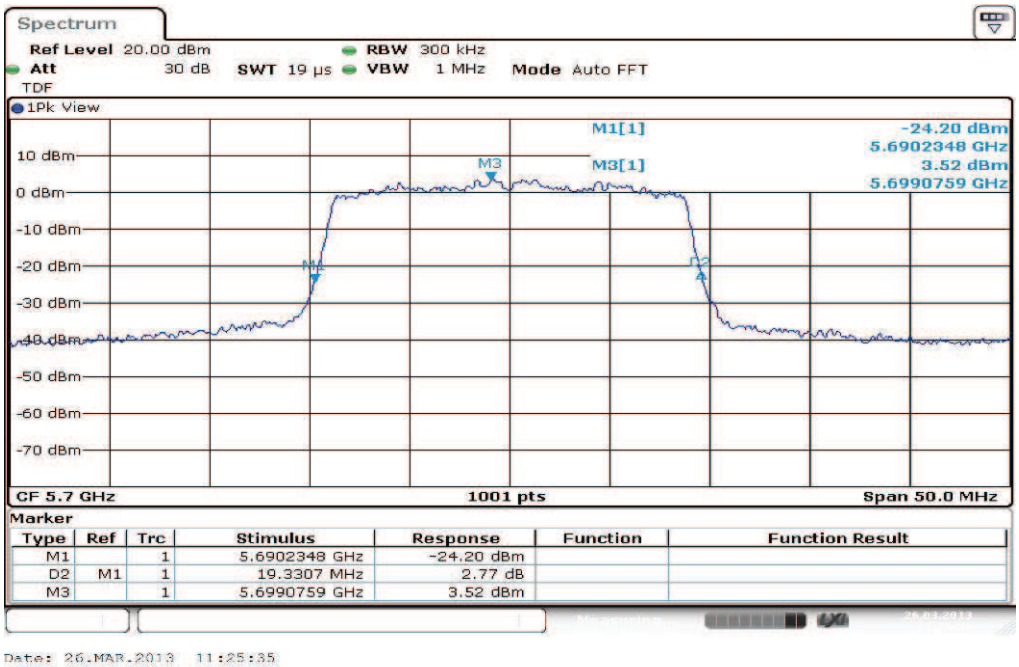
Plot 10: 5320 MHz



Plot 11: 5500 MHz



Plot 12: 5700 MHz



9.8 Peak excursion measurements

Not performed! Tests according to manufacturer test plan!

9.9 Band edge compliance radiated

Description:

Measurement of the radiated band edge compliance. The EUT is turned in the position that results in the maximum level at the band edge. Then a sweep over the corresponding restricted band is performed. The EUT is set to the lowest channel for the lower restricted band and to the highest channel for the upper restricted band. Measurement distance is 3m.

Measurement:

Measurement parameter	
Detector:	Peak / RMS
Sweep time:	Auto
Resolution bandwidth:	1 MHz
Video bandwidth:	10 Hz / 1 MHz
Span:	See plots!
Trace-Mode:	Max Hold

Limits:

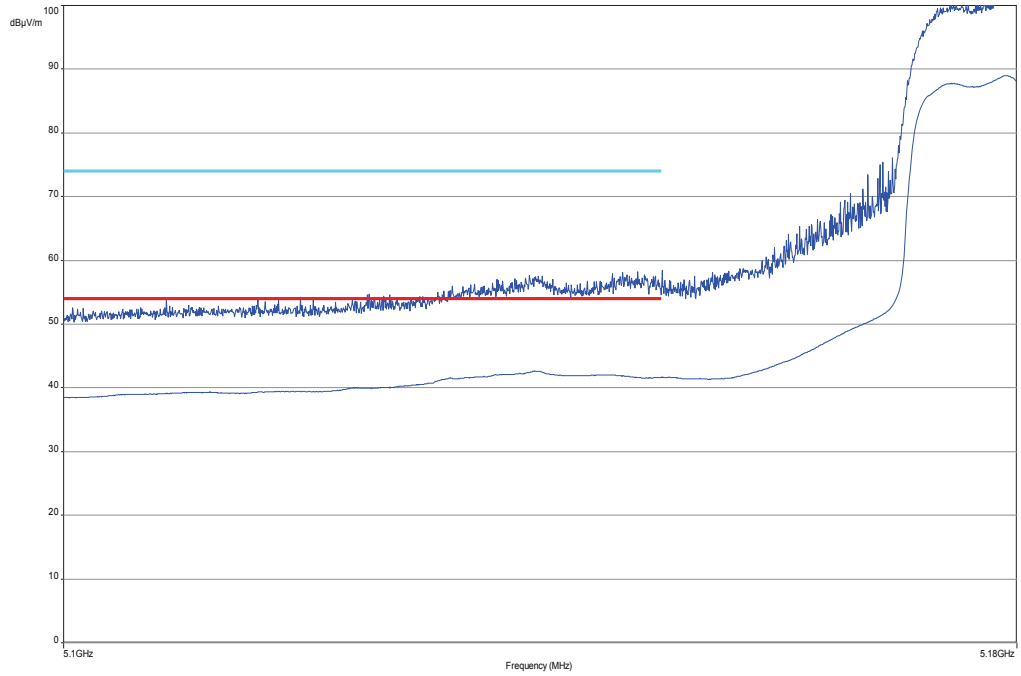
Band Edge Compliance Radiated
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 5.205(c)).
74 dBµV/m PEAK 54 dBµV/m AVG -27 dBm / MHz PEAK

Result:

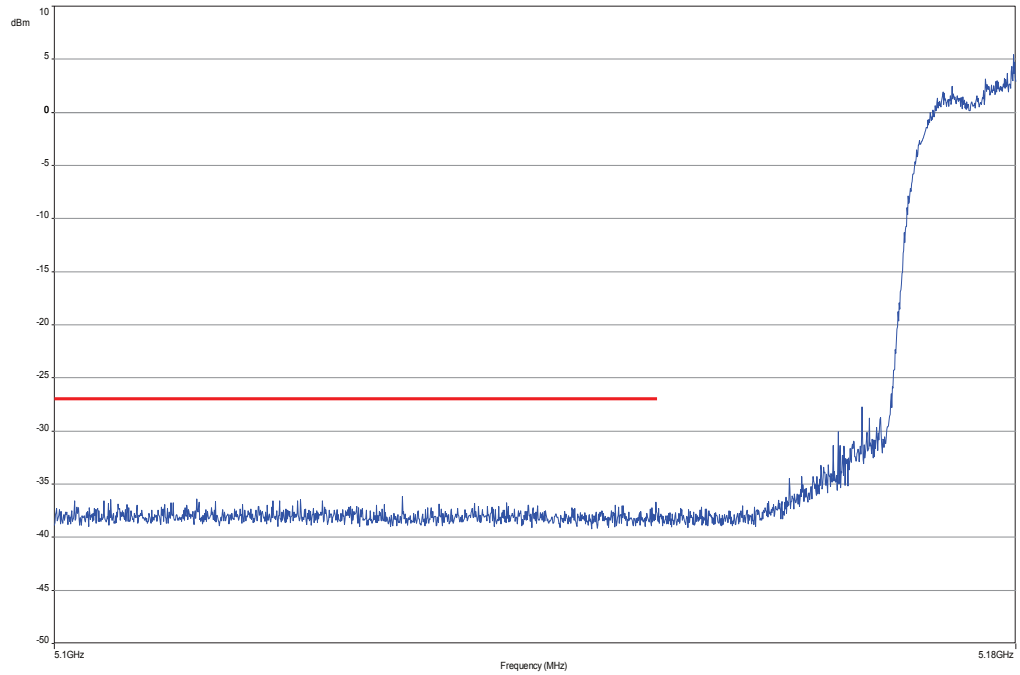
Scenario	Band Edge Compliance Radiated [dBµV/m]
band edge	< 74 dBµV/m (AVG) < 54 dBµV/m (PEAK) < -27 dBm / MHz PEAK
Measurement uncertainty	± 3 dB

Plots:

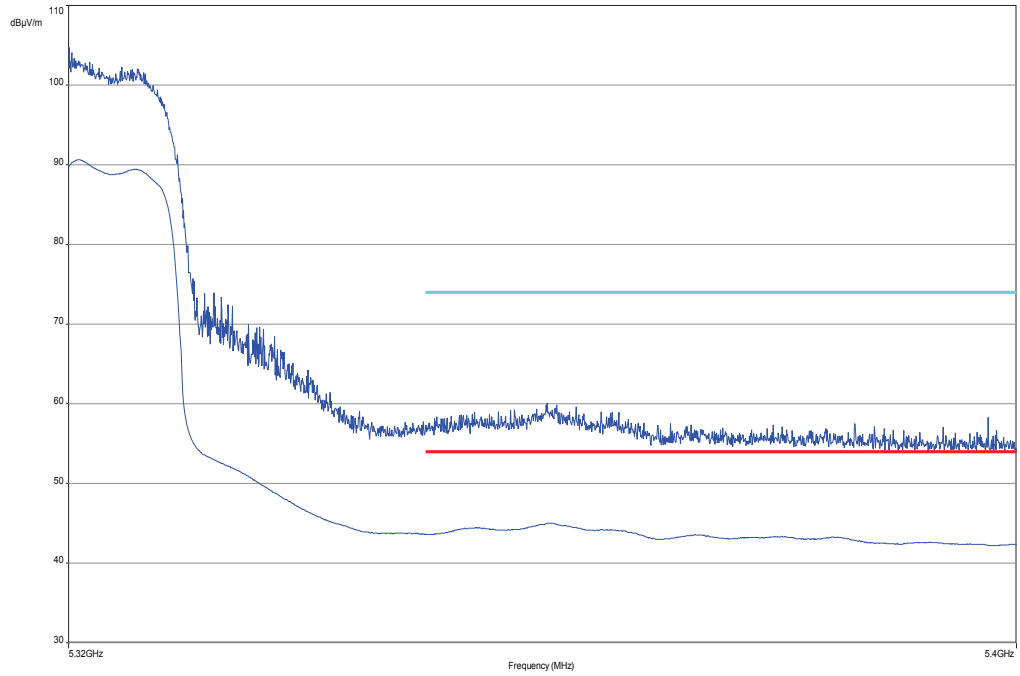
Plot 1: lower band edge, vertical & horizontal polarization (a mode), channel 36, according Part 15.247



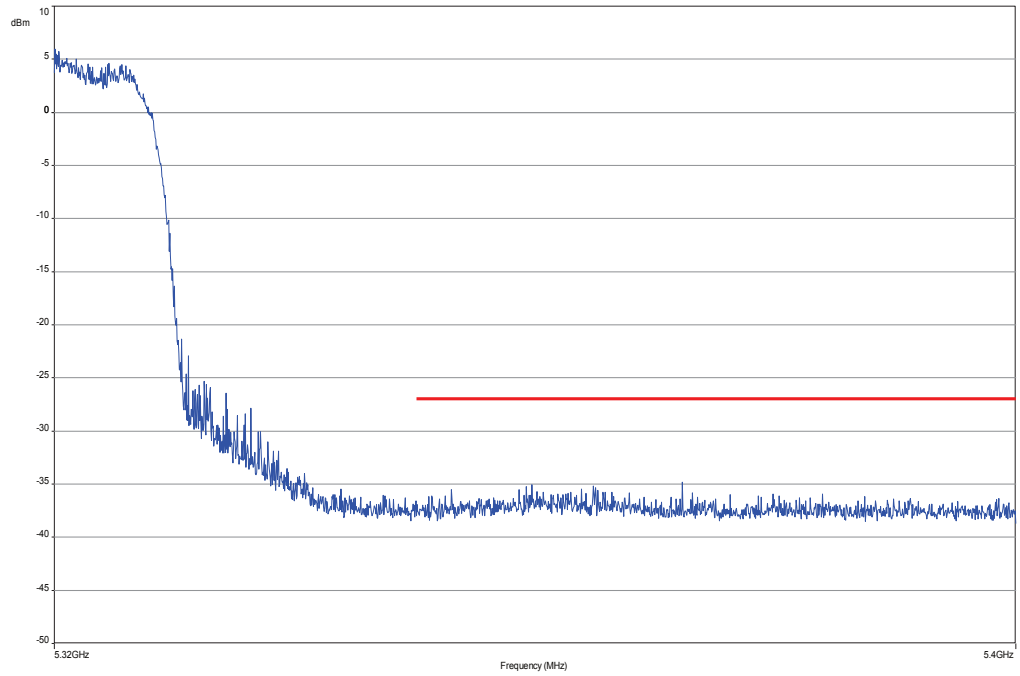
Plot 2: lower band edge, vertical & horizontal polarization (a mode), channel 36, according Part 15.407



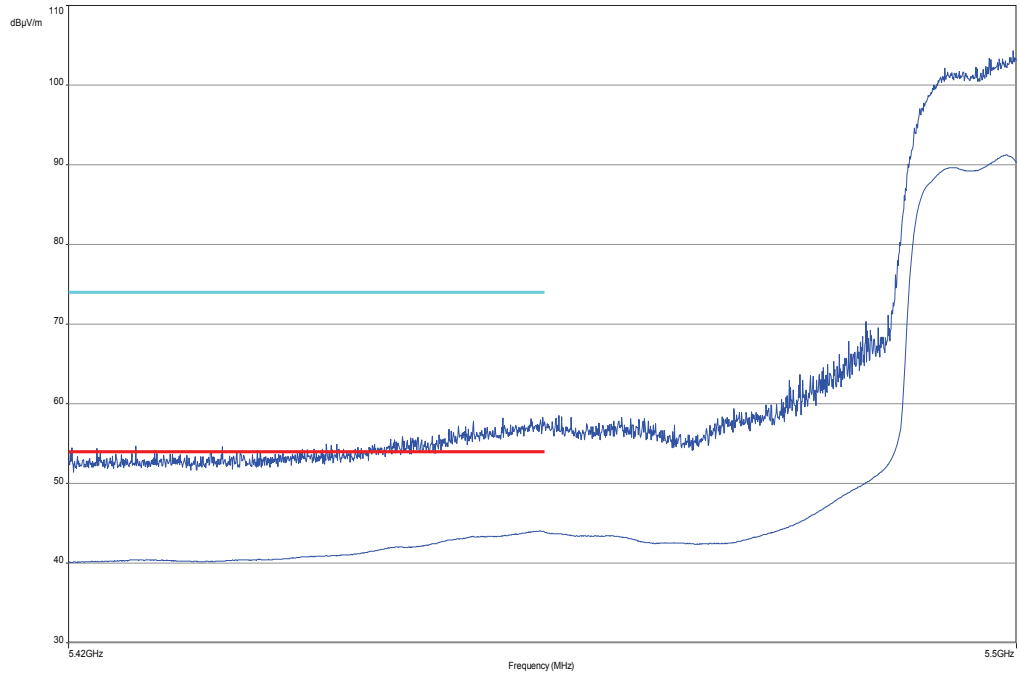
Plot 3: upper band edge, vertical & horizontal polarization (a mode), channel 64, according Part 15.247



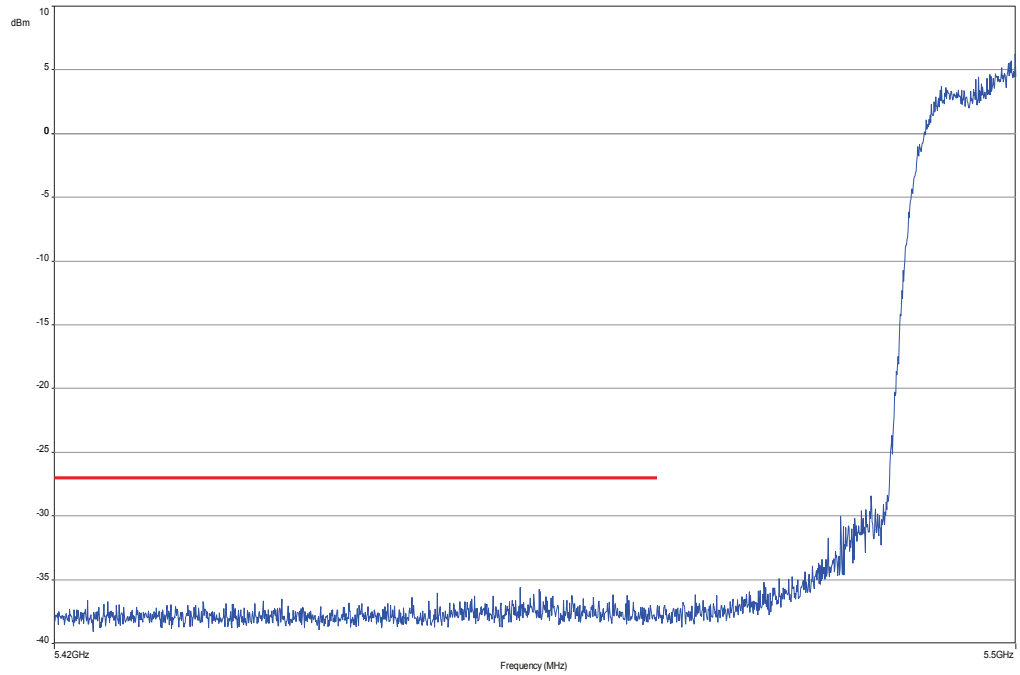
Plot 4: upper band edge, vertical & horizontal polarization (a mode), channel 64, according Part 15.407



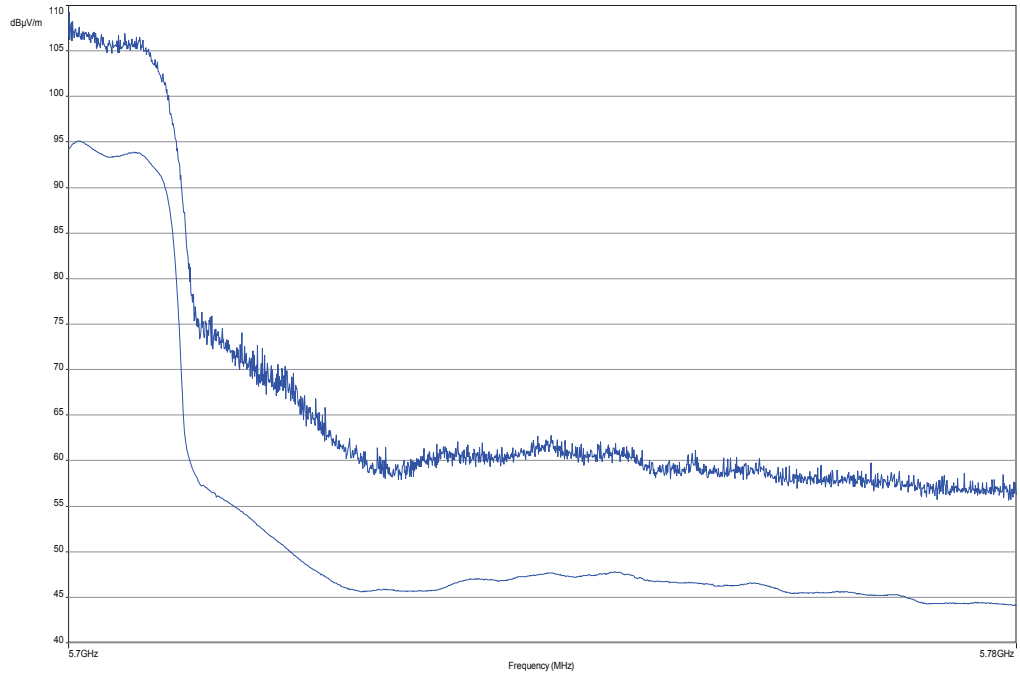
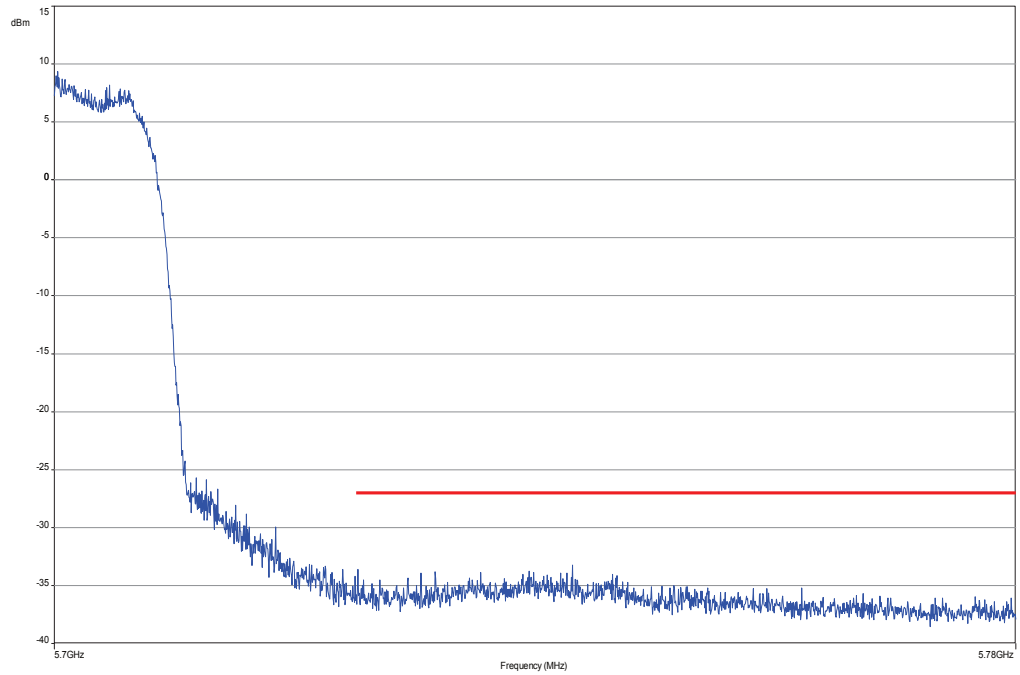
Plot 5: lower band edge, vertical & horizontal polarization (a mode), channel 100, according Part 15.247



Plot 6: lower band edge, vertical & horizontal polarization (a mode), channel 100, according Part 15.407



Plot 7: upper band edge, vertical & horizontal polarization (a mode), channel 140, according Part 15.247



Plot 8: upper band edge, vertical & horizontal polarization (a mode), channel 140, according Part 15.407