

6.3.1.10 Radiated Emissions Carrier Test Data - TC#8 Steel Container

Plot 6-146: Radiated Emissions of Carrier - TC #8 Steel Container

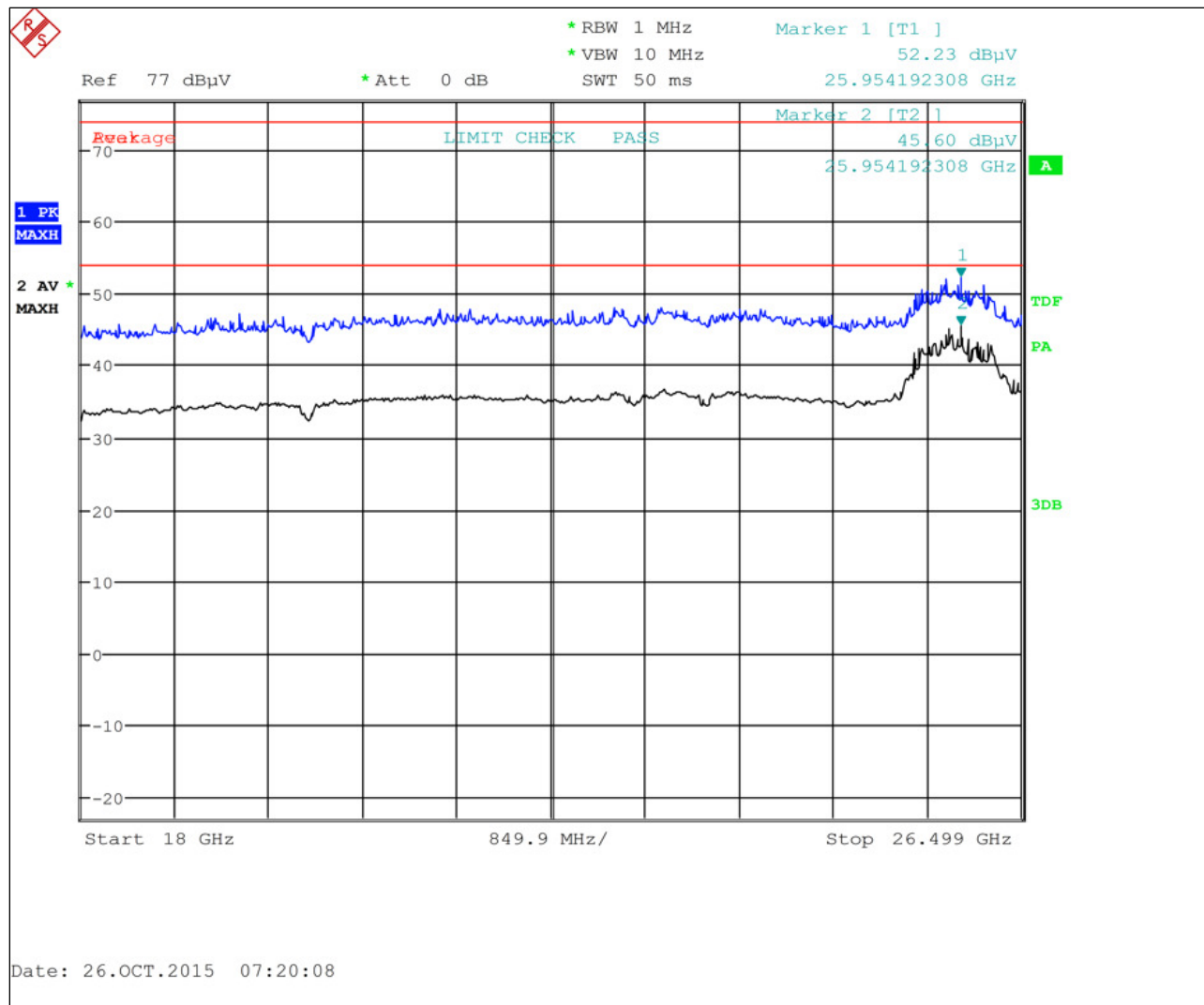
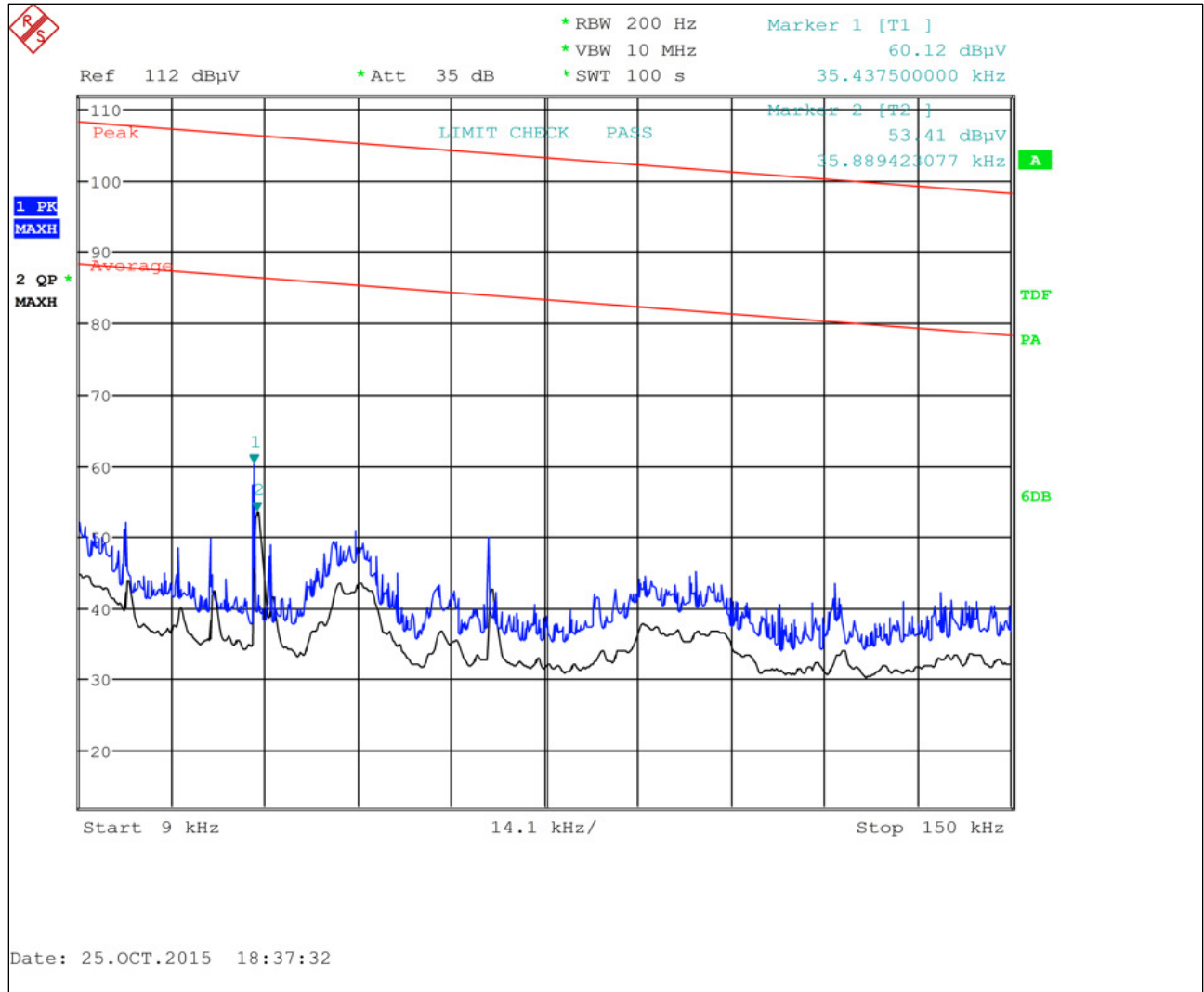


Table 6-8: Radiated Emissions of Carrier – TC #8 Steel Container

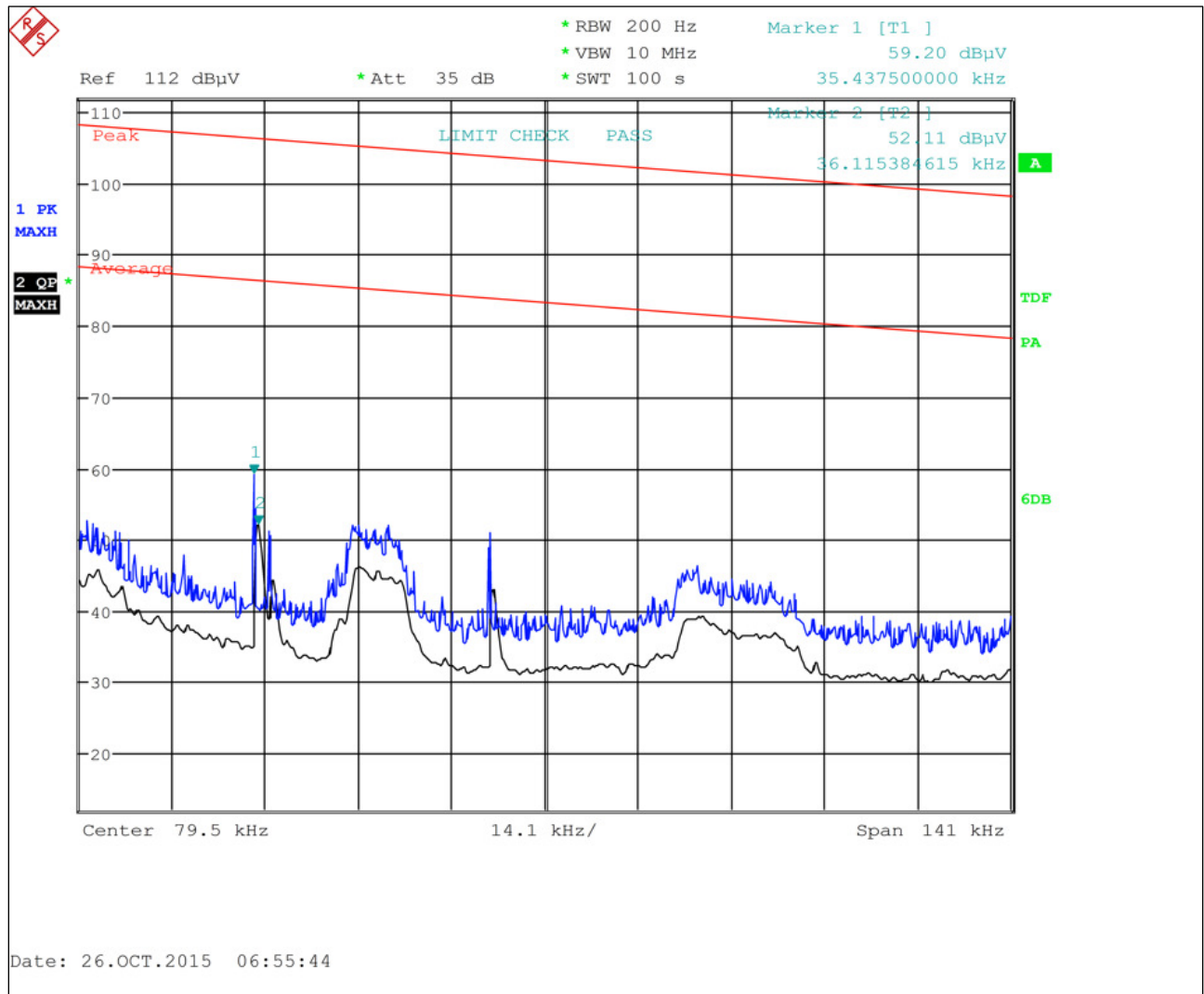
Frequency (GHz)	Detector	Test Antenna Pol	Corrected Spectrum Analyzer Level (dBμV/m)	FCC Limit (dBμV)	Margin (dB)	Corrected Spectrum Analyzer Level (dBm/MHz)	IC Limit (dBm/MHz)	Margin (dBm/MHz)
25.9541	Peak	V	52.2	74.0	-21.8	NA		
25.9541	Average	V	45.6	54.0	-8.4	-49.6	-41.3	8.3

6.3.1.11 Radiated Emissions Below 1 GHz Test Data – TC#8 Steel Container

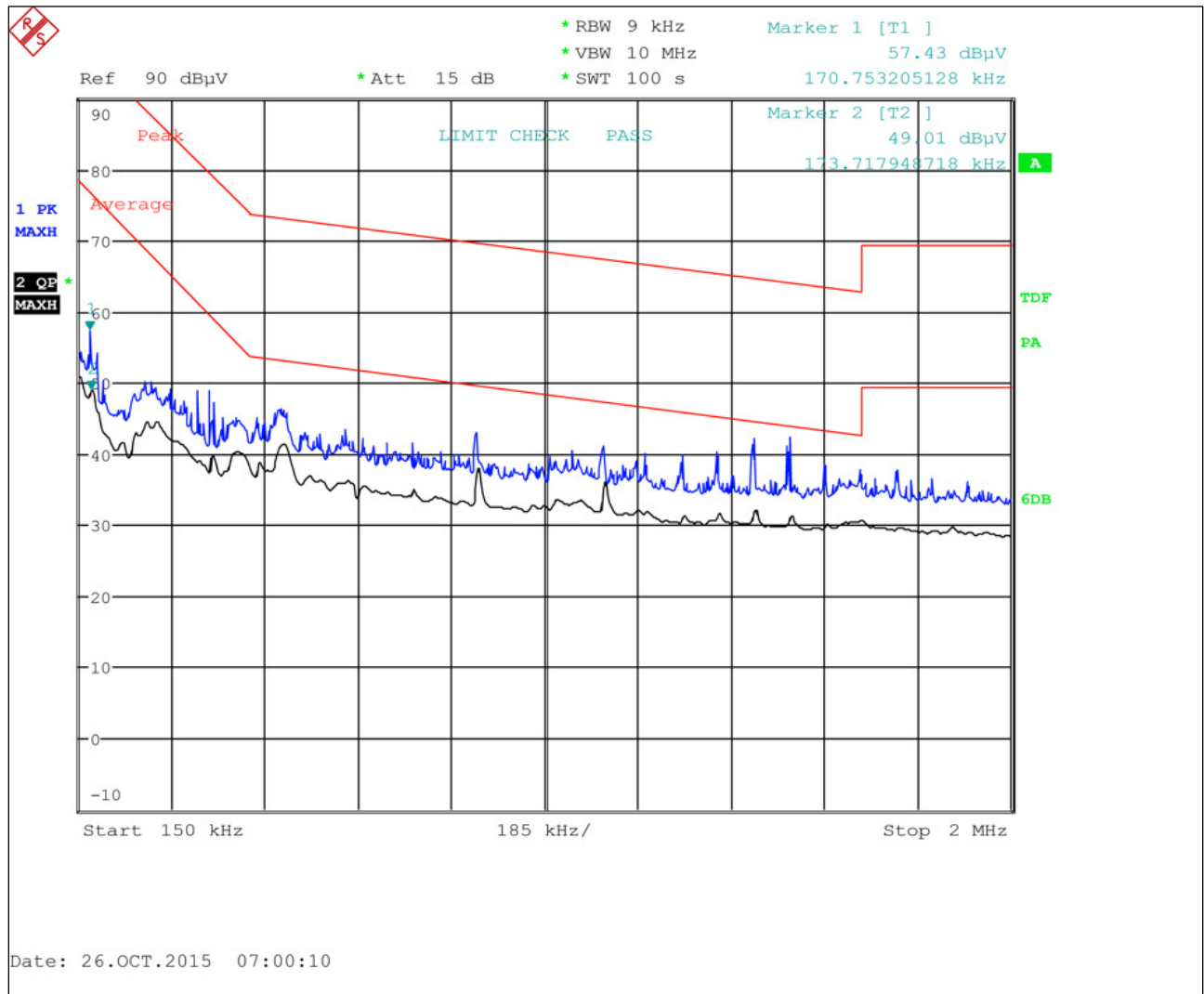
Plot 6-147: Radiated Emissions Transmit – 9 kHz – 150 kHz Horizontal Peak/Average



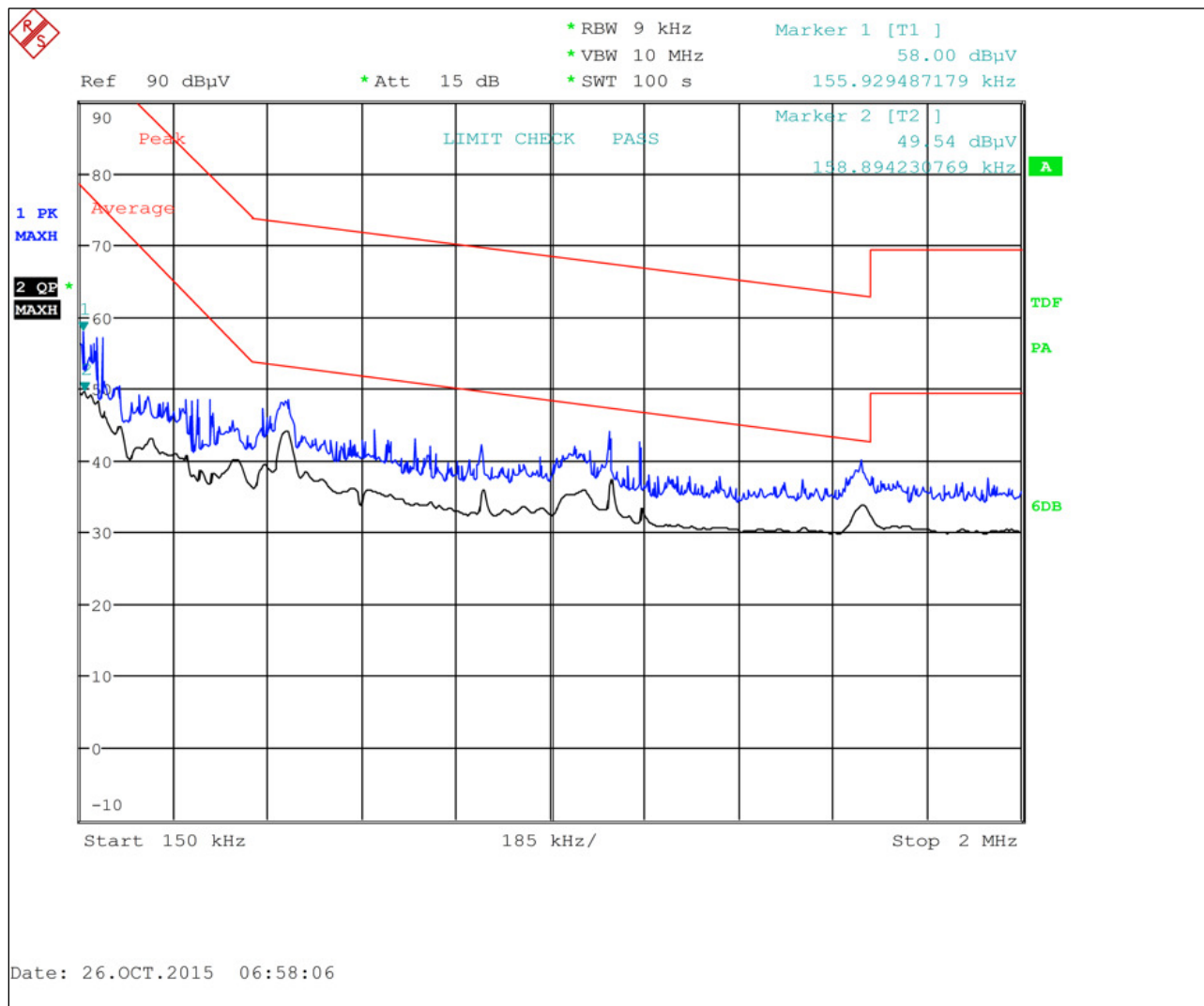
Plot 6-148: Radiated Emissions Transmit – 9 kHz – 150 kHz Vertical Peak/Average



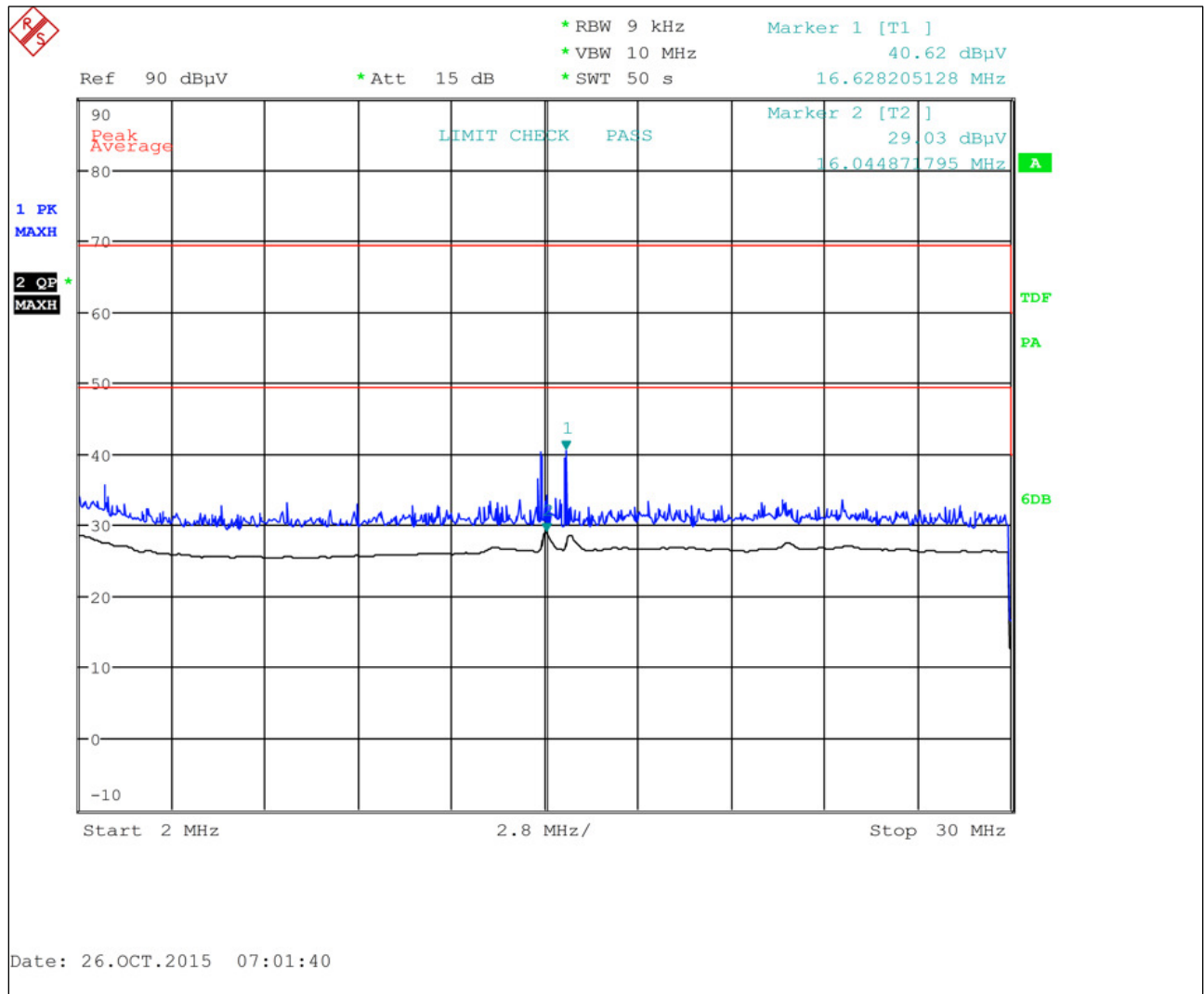
Plot 6-149: Radiated Emissions Transmit – 150 kHz – 2 MHz Horizontal Peak/Average



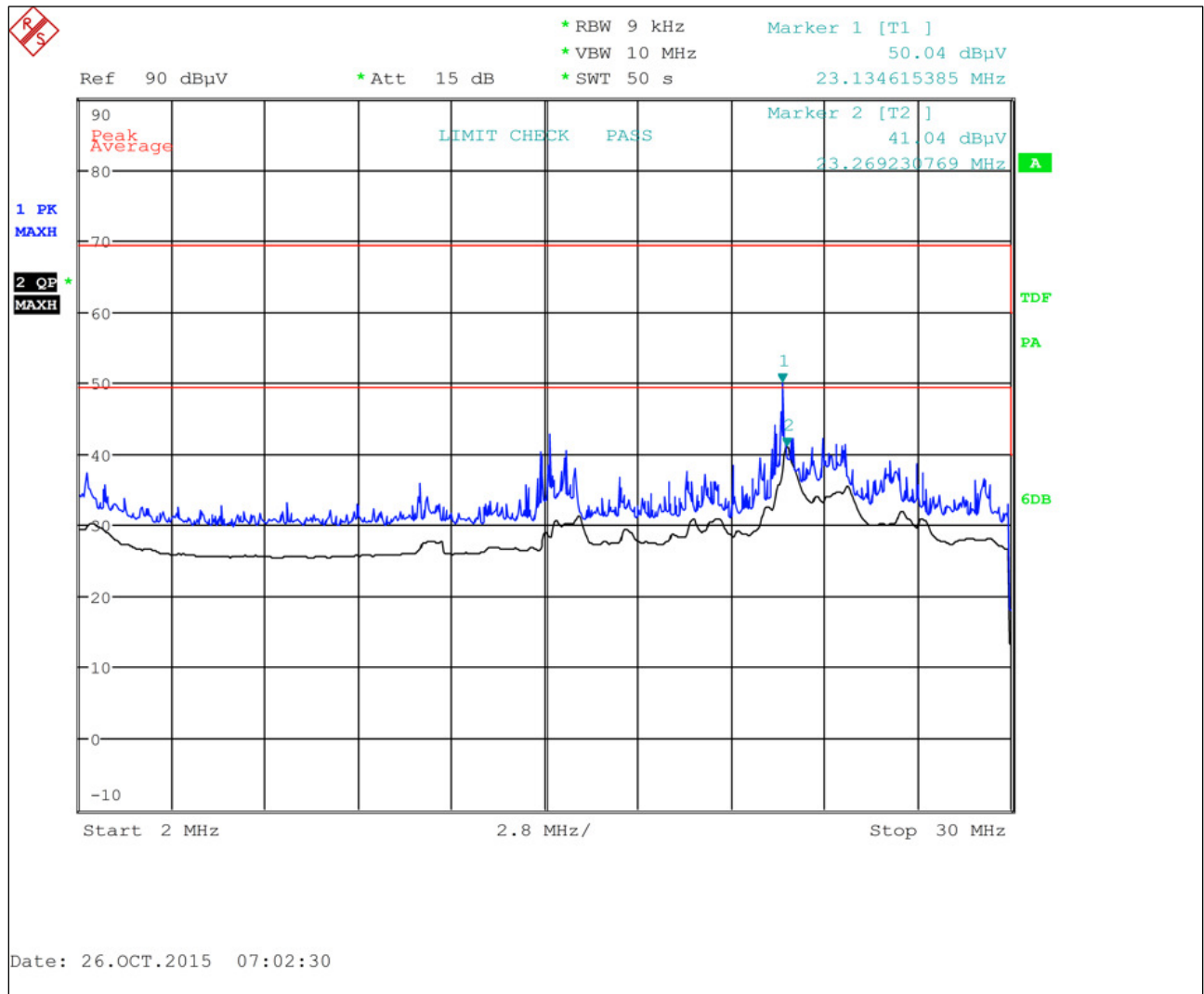
Plot 6-150: Radiated Emissions Transmit – 150 kHz – 2 MHz Vertical Peak/Average



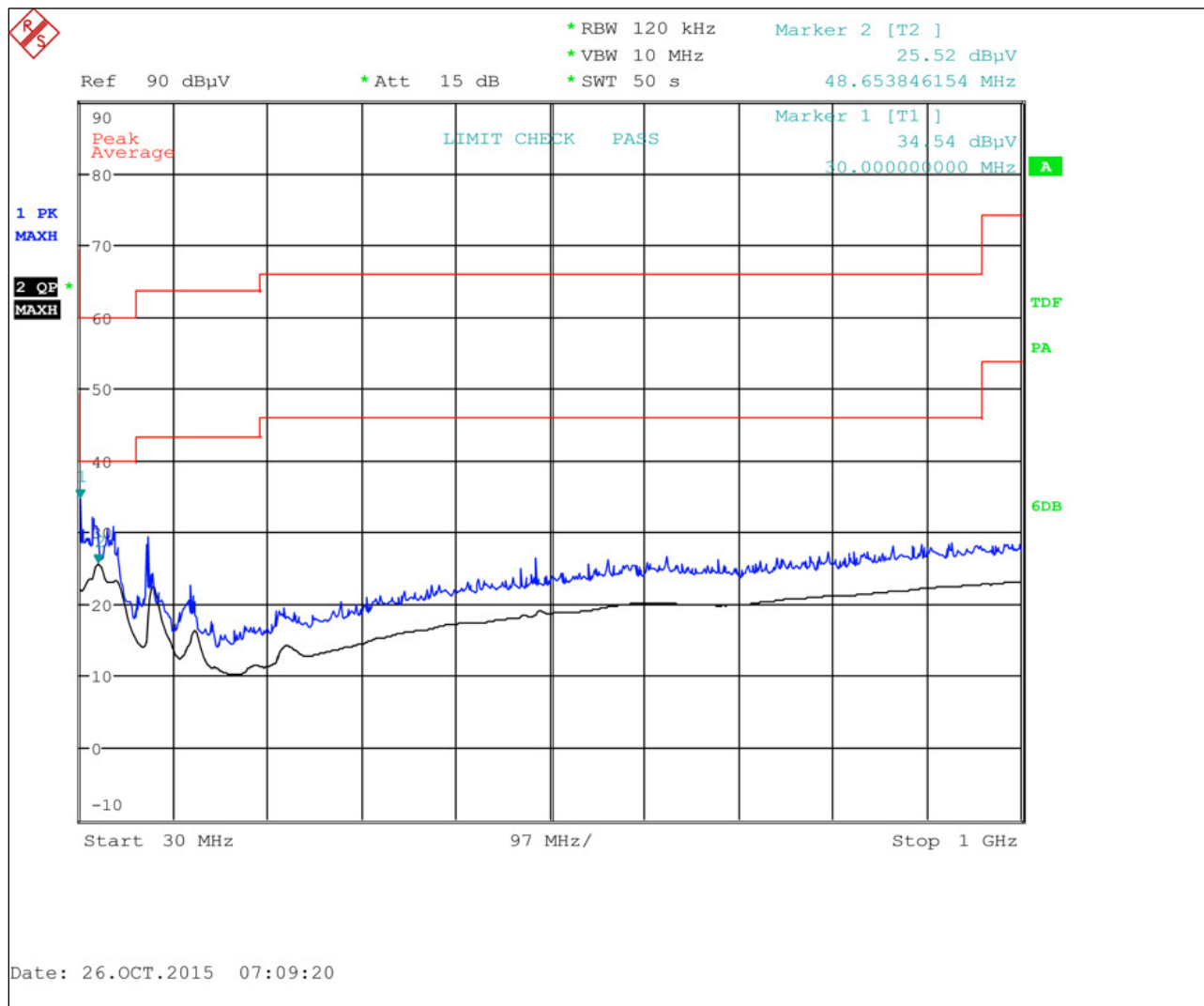
Plot 6-151: Radiated Emissions Transmit – 2 MHz – 30 MHz Horizontal Peak/Average



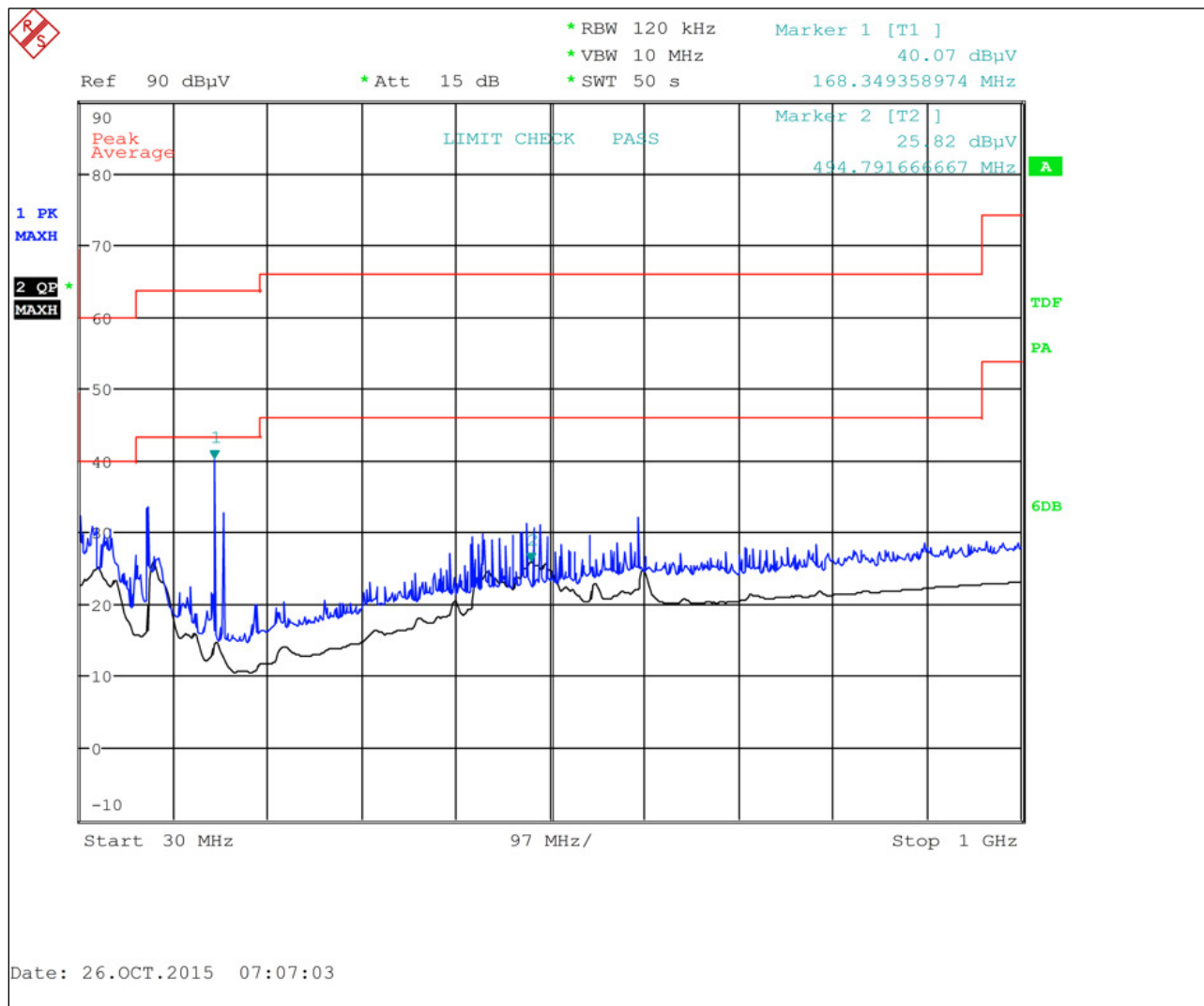
Plot 6-152: Radiated Emissions Transmit – 2 MHz – 30 MHz Vertical Peak/Average



Plot 6-153: Radiated Emissions Transmit – 30 MHz – 1 GHz Horizontal Peak/Average



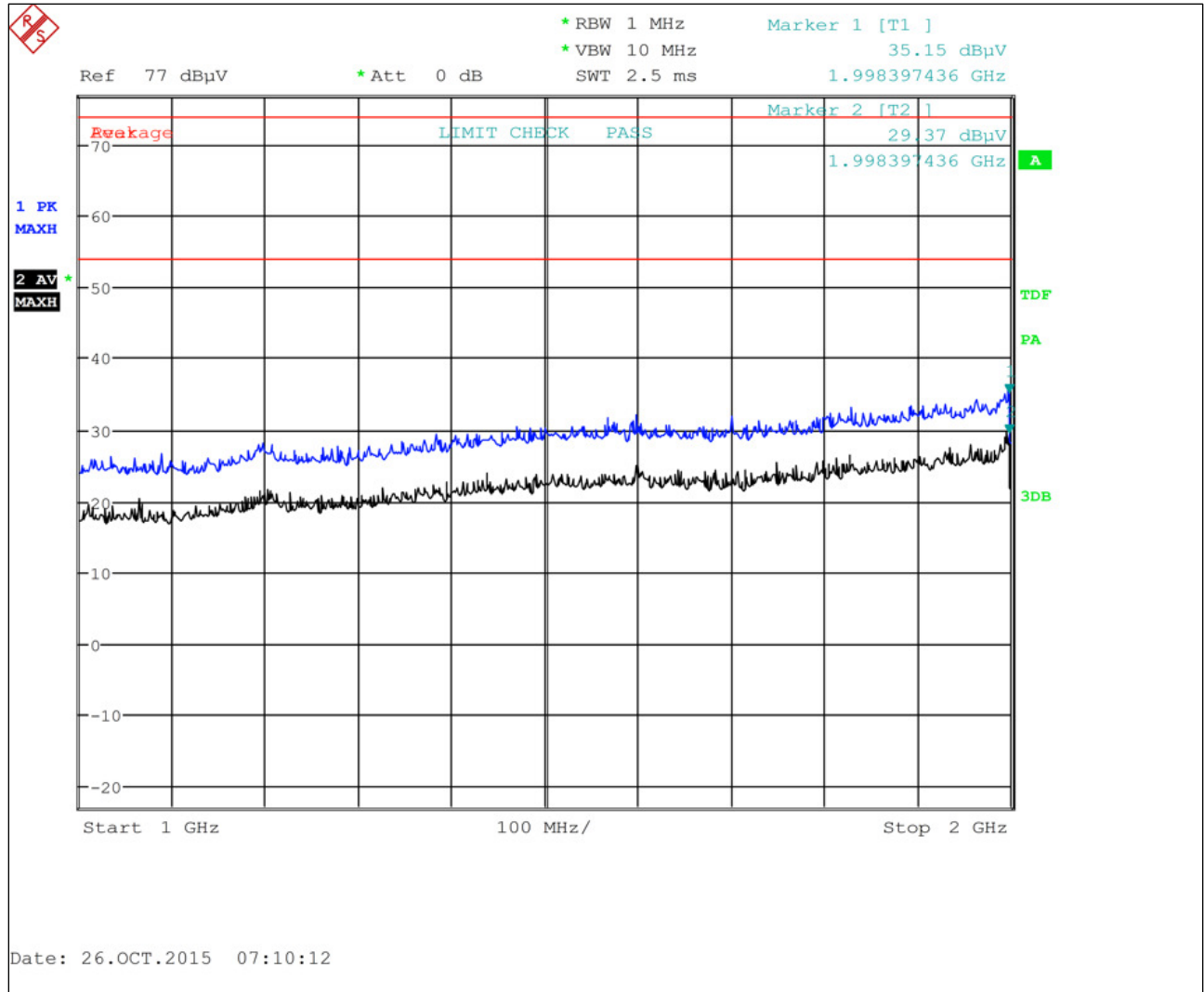
Plot 6-154: Radiated Emissions Transmit – 30 MHz – 1 GHz Vertical Peak/Average



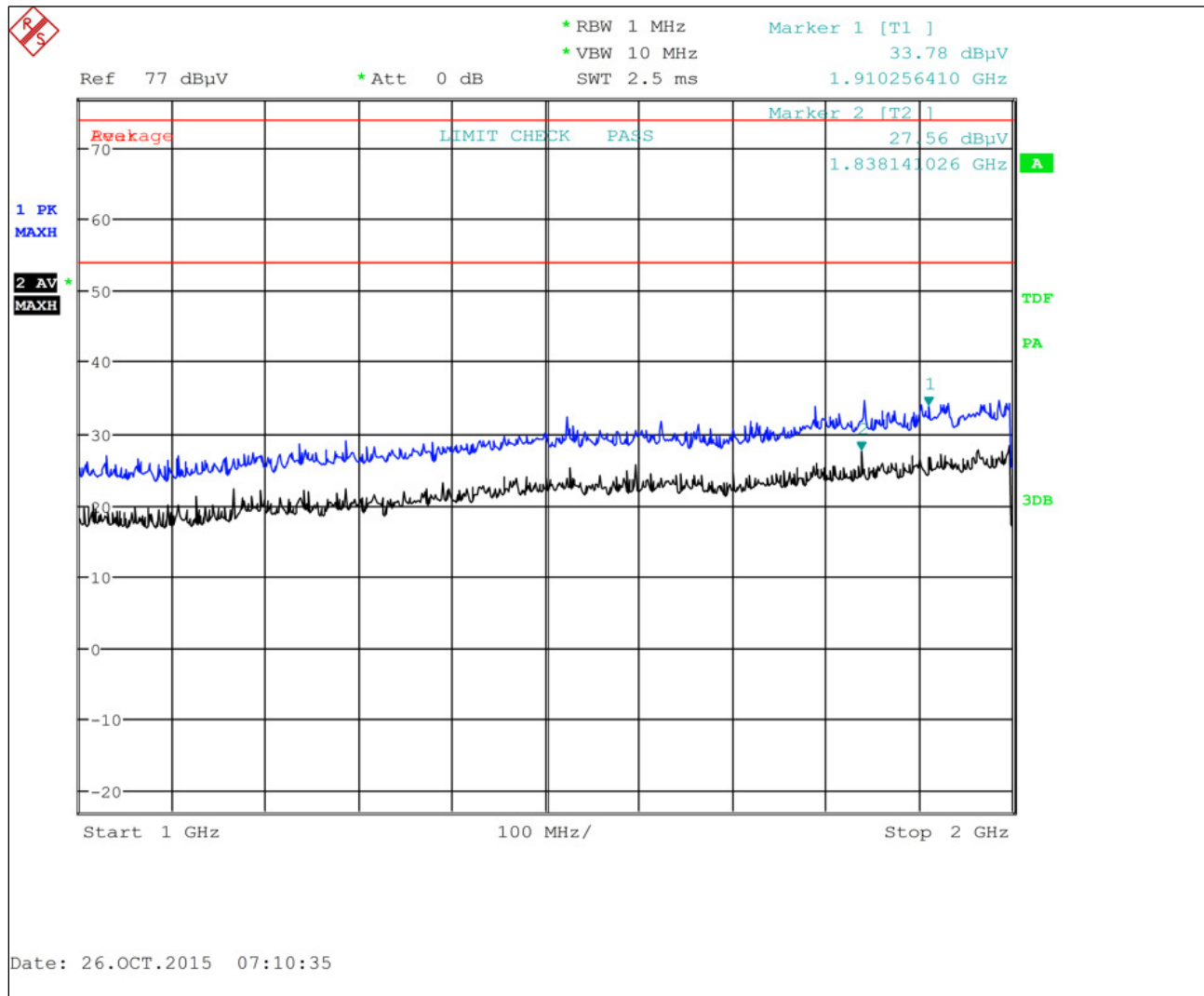
Note: Unwanted emissions were investigated as a digital device (other than harmonics) as required by 15.33(a)(3).

6.3.1.12 Radiated Emissions 1 GHz – 26 GHz Test Data – TC#8 Steel Container

Plot 6-155: Radiated Emissions 1 GHz – 2 GHz Horizontal Peak/Average



Plot 6-156: Radiated Emissions 1 GHz – 2 GHz Vertical Peak/Average



Ref 77 dBμV *Att 0 dB SWT 20 ms

* RBW 1 MHz Marker 1 [T1] 31.00 dBμV 4.000000000 GHz

* VBW 10 MHz

Marker 2 [T2] 20.32 dBμV 4.000000000 GHz

1 PK VIEW

2 AV VIEW

Peakage LIMIT CHECK PASS

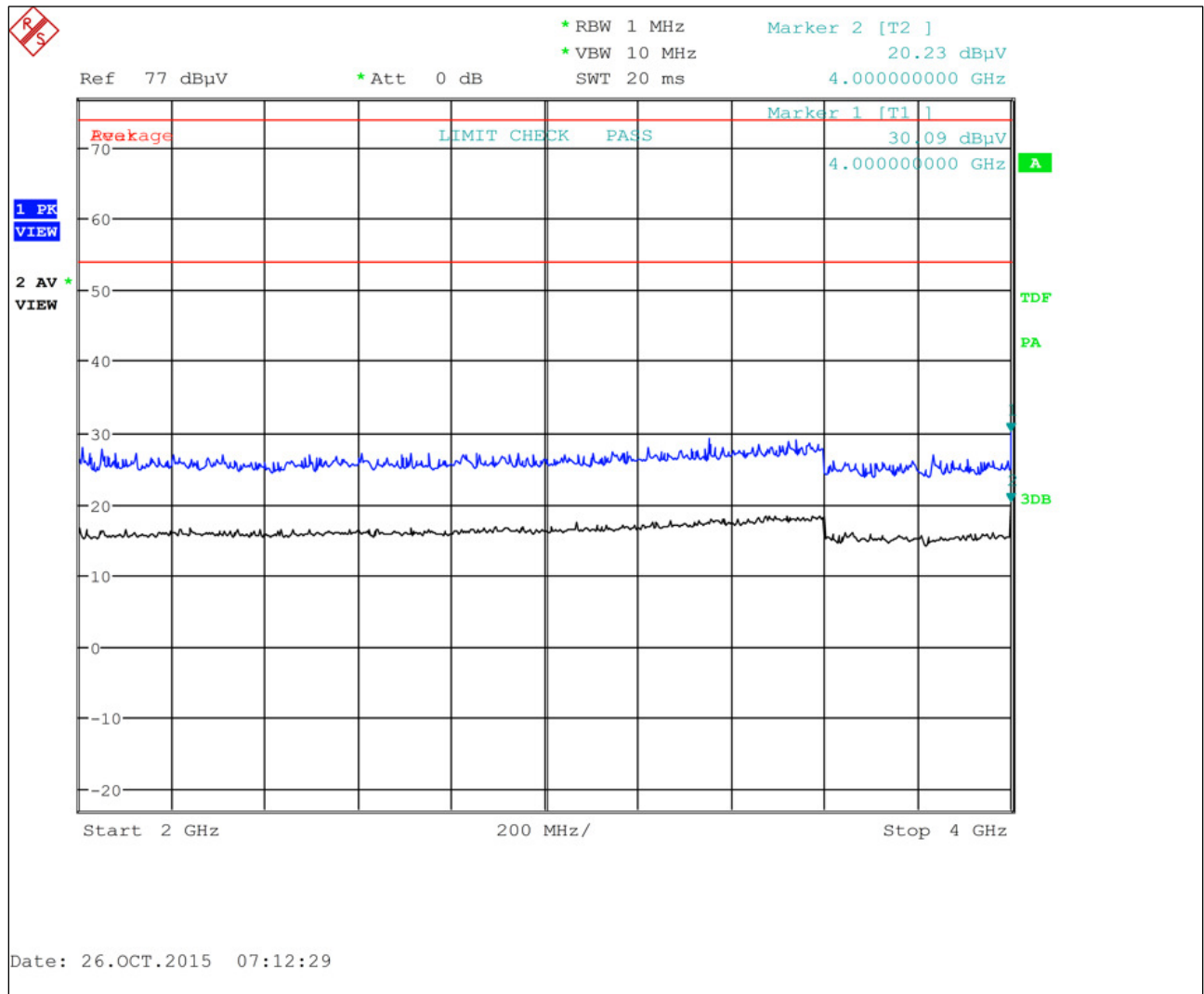
TDF PA

3dB

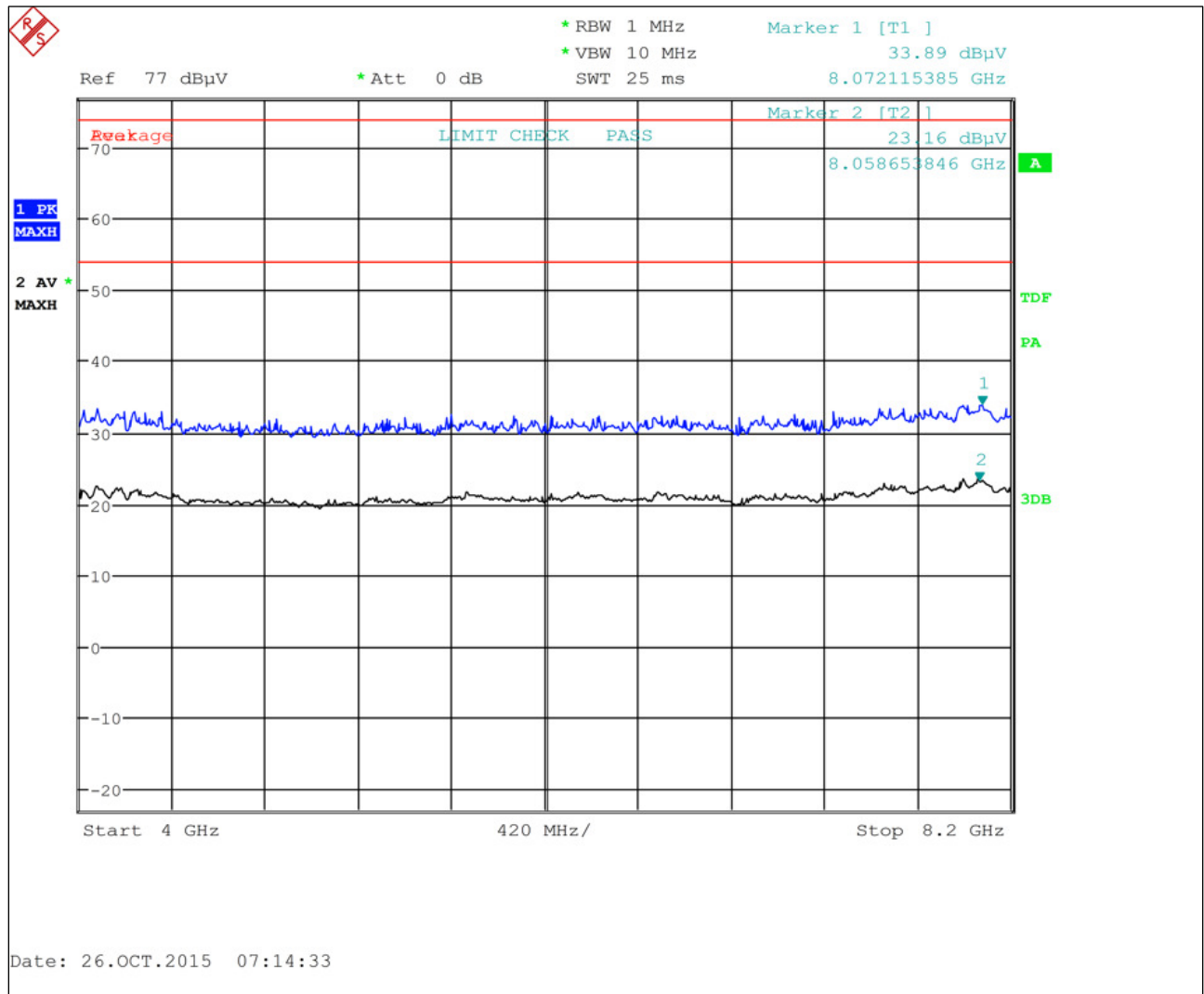
Start 2 GHz 200 MHz/ Stop 4 GHz

Date: 26.OCT.2015 07:13:11

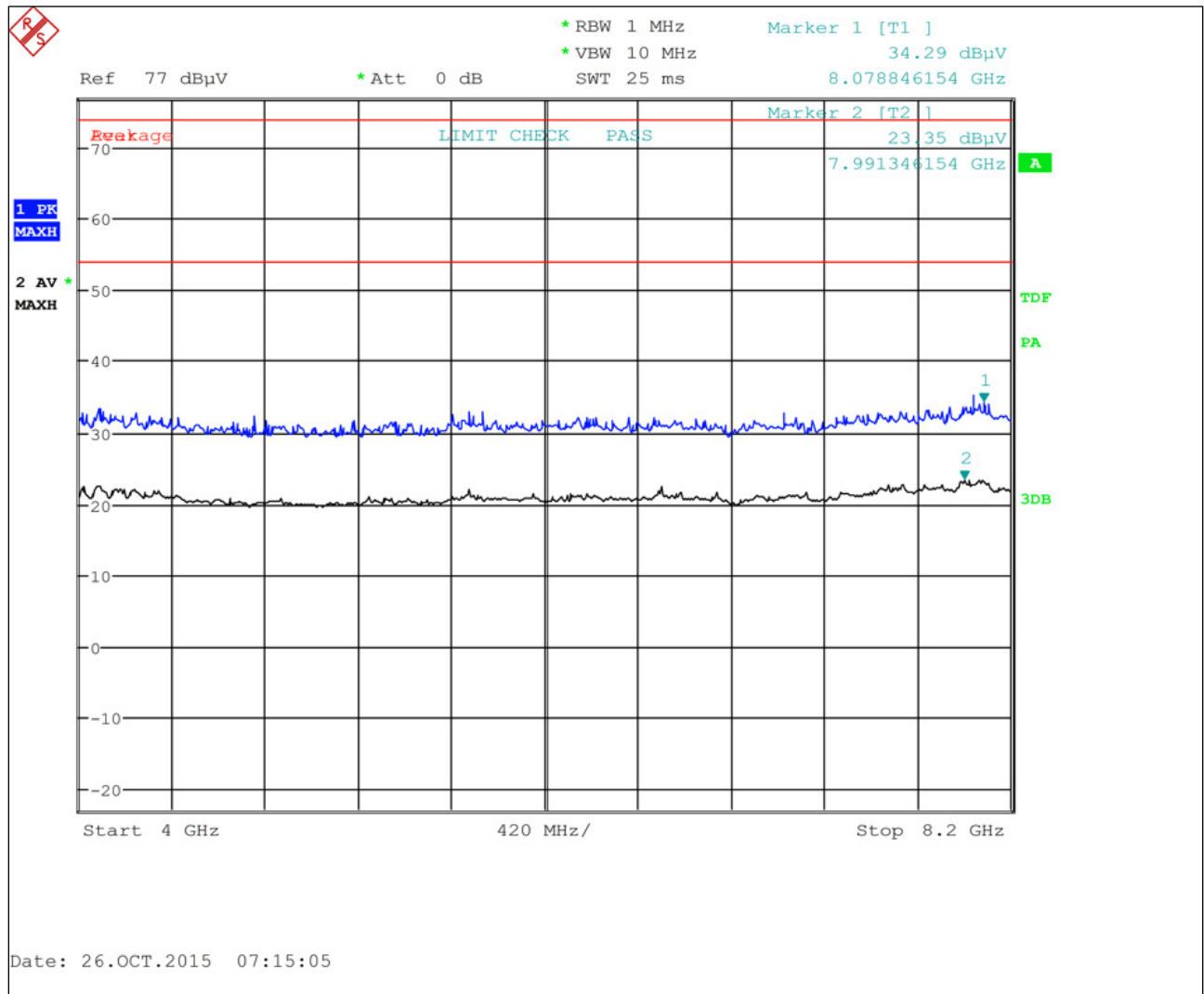
Plot 6-158: Radiated Emissions 2 GHz – 4 GHz Vertical Peak/Average



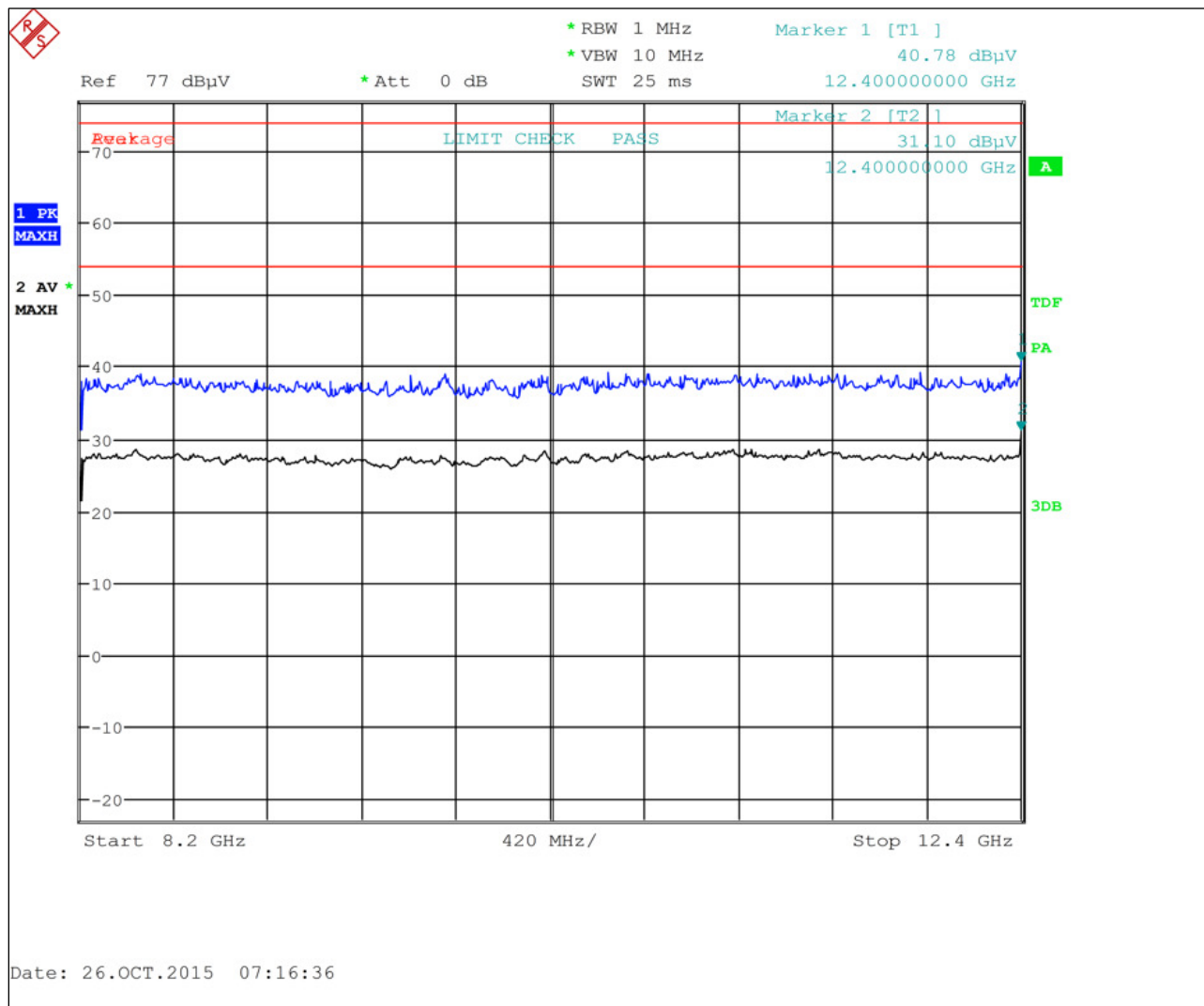
Plot 6-159: Radiated Emissions 4 GHz – 8 GHz Horizontal Peak/Average



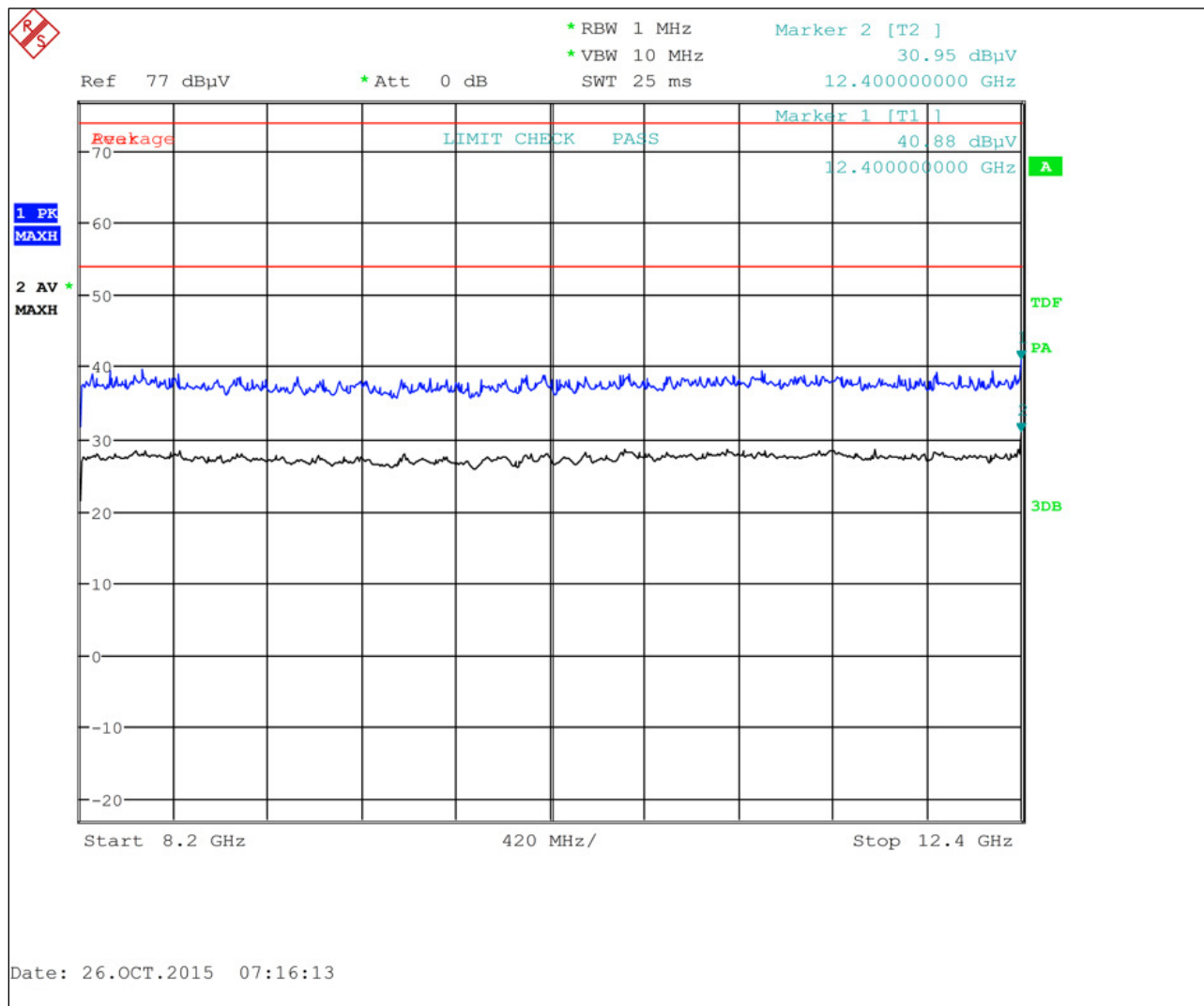
Plot 6-160: Radiated Emissions 4 GHz – 8 GHz Vertical Peak/Average



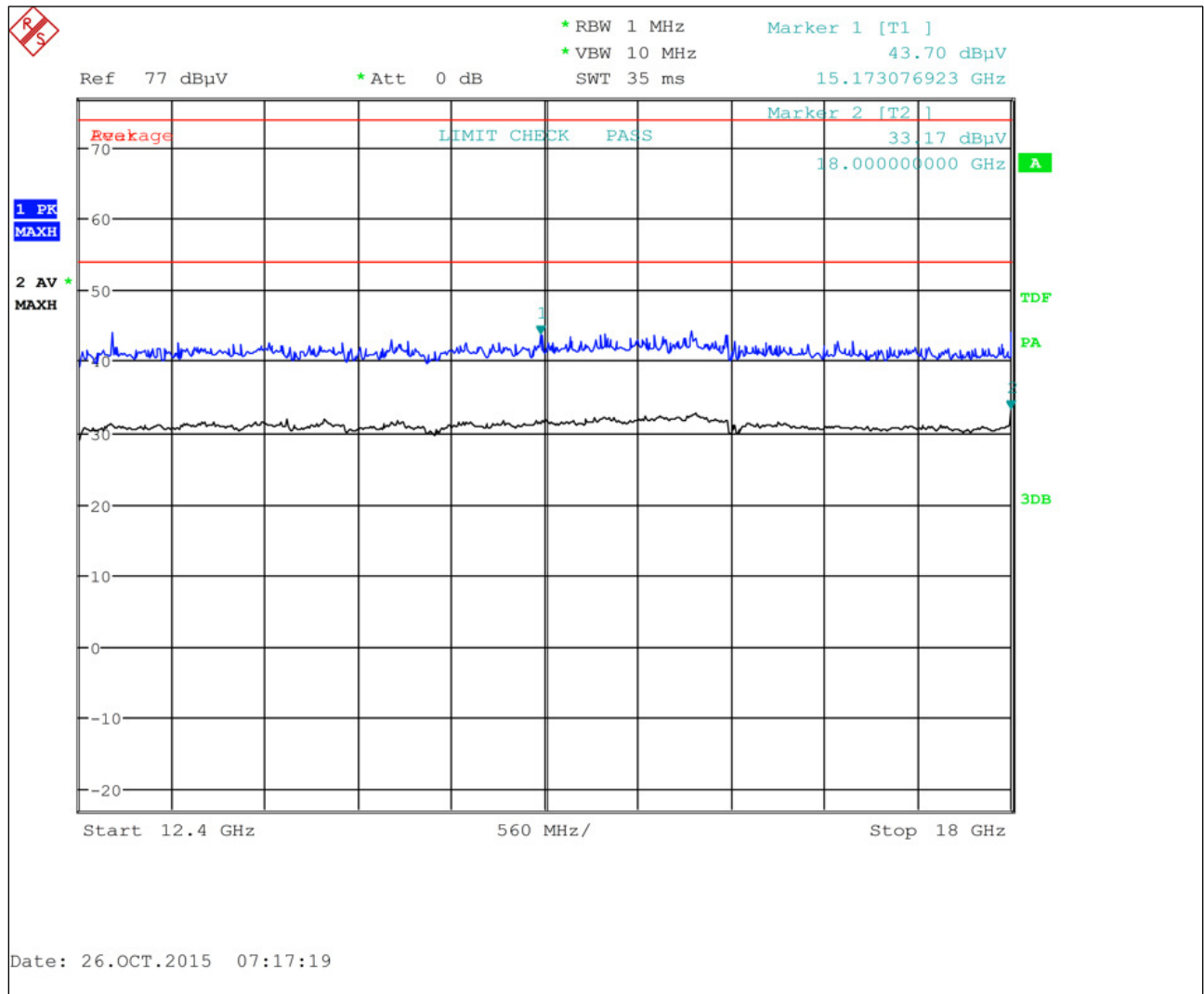
Plot 6-161: Radiated Emissions 8 GHz – 12 GHz Horizontal Peak/Average



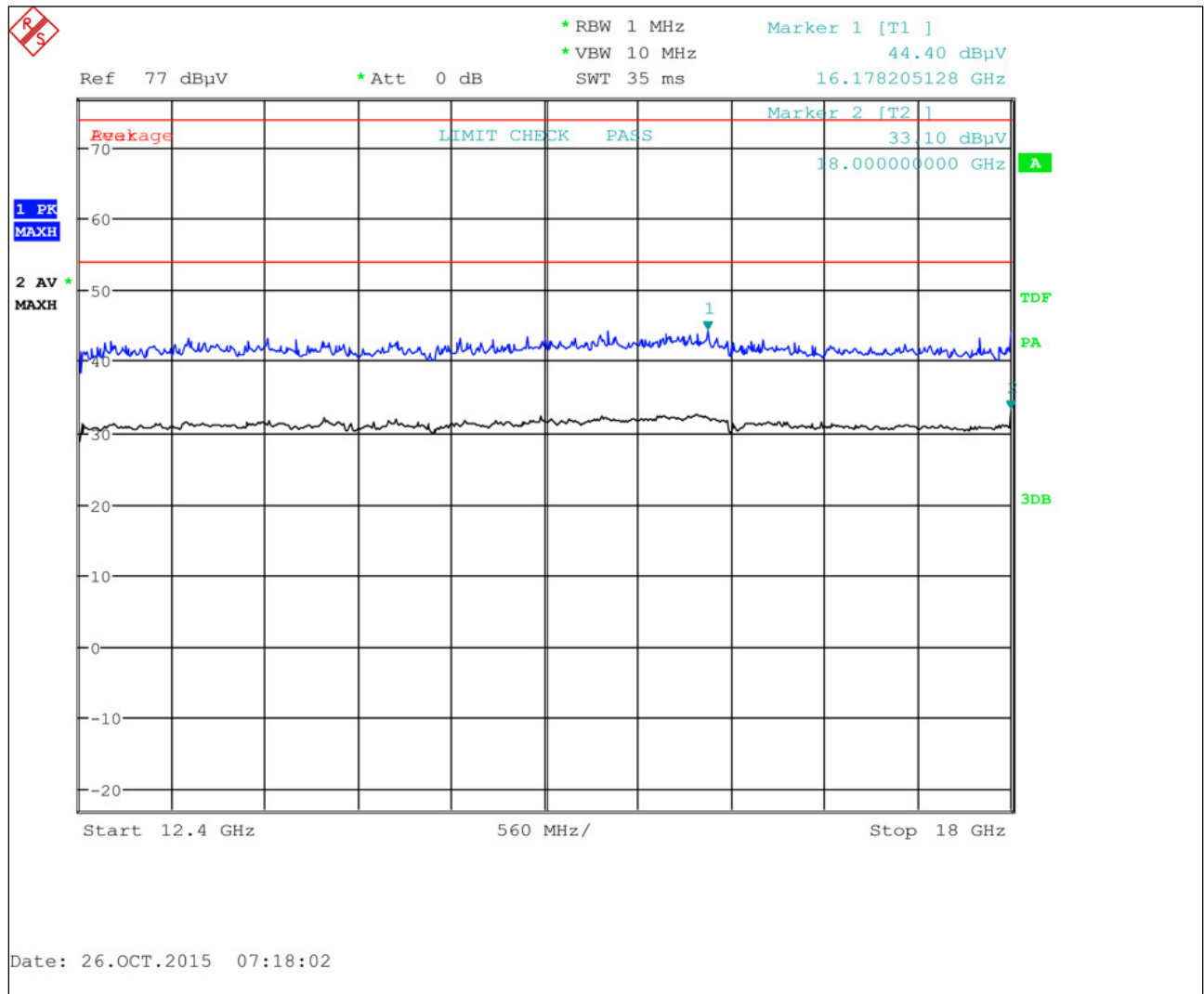
Plot 6-162: Radiated Emissions 8 GHz – 12 GHz Vertical Peak/Average



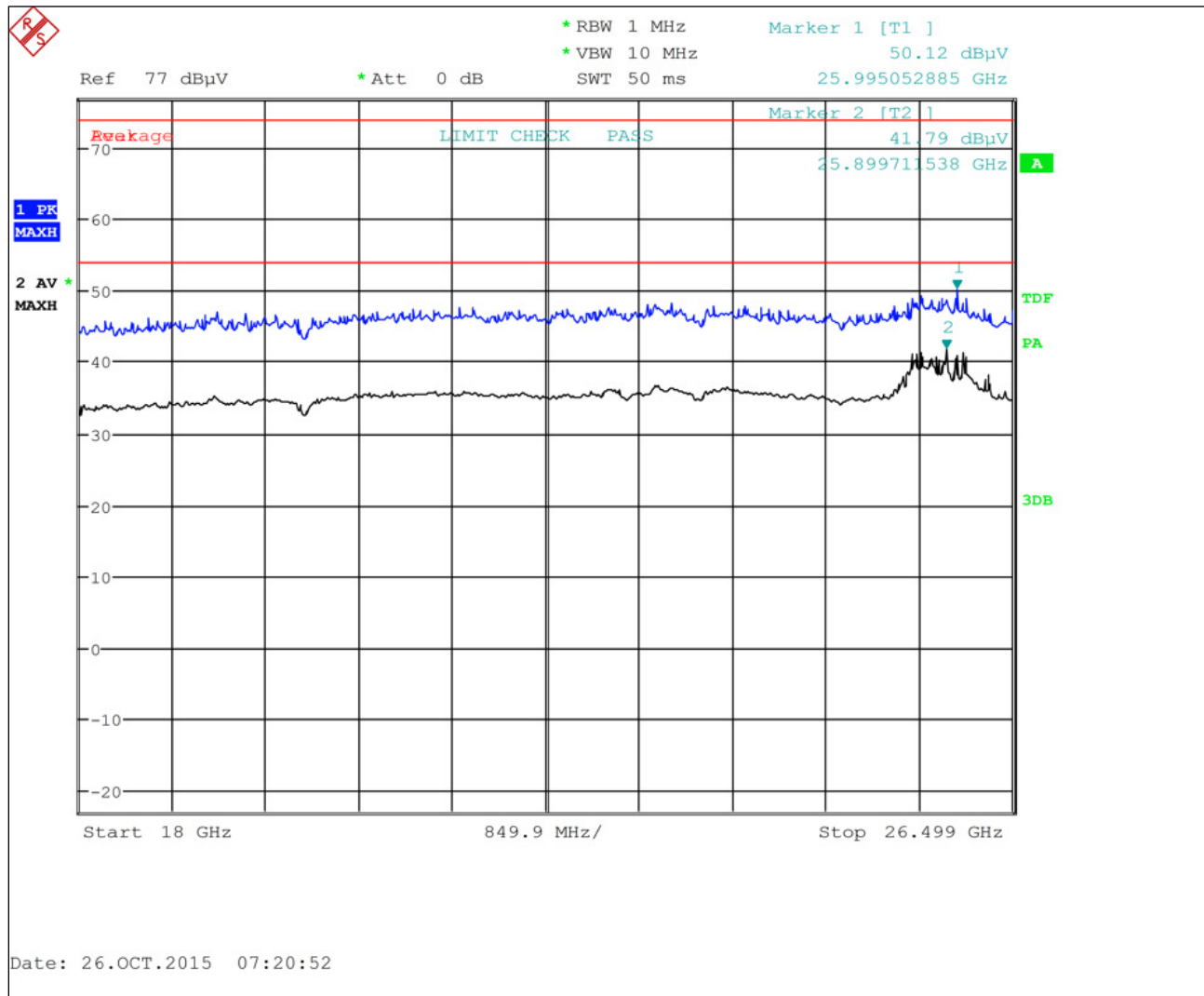
Plot 6-163: Radiated Emissions 12 GHz – 18 GHz Horizontal Peak/Average



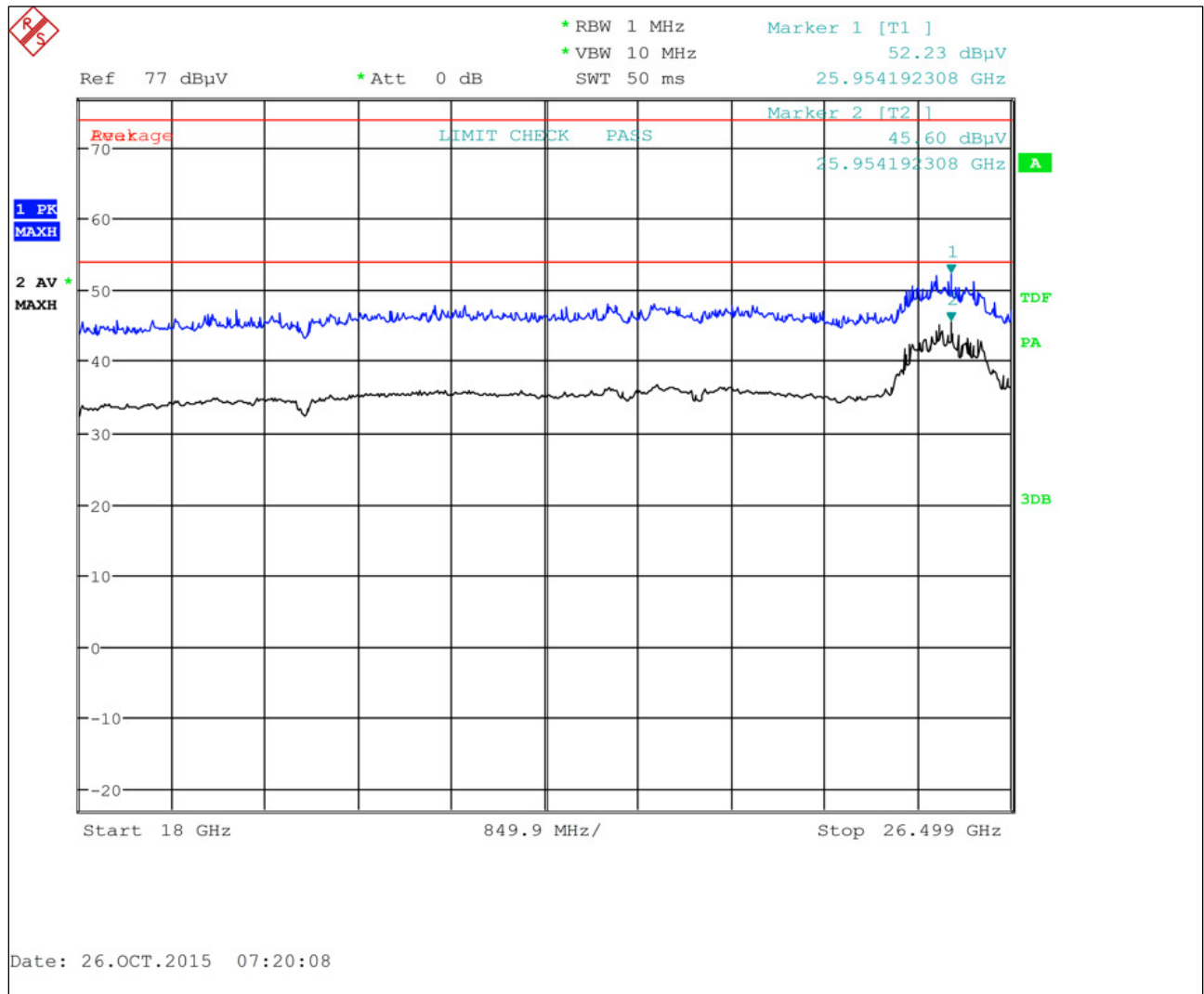
Plot 6-164: Radiated Emissions 12 GHz – 18 GHz Vertical Peak/Average



Plot 6-165: Radiated Emissions 18 GHz – 26 GHz Horizontal Peak/Average



Plot 6-166: Radiated Emissions 18 GHz – 26 GHz Vertical Peak/Average



6.3.1.13 Radiated Emissions Carrier Test Data - TC#9 Steel Container

Plot 6-167: Radiated Emissions of Carrier - TC #9 Steel Container

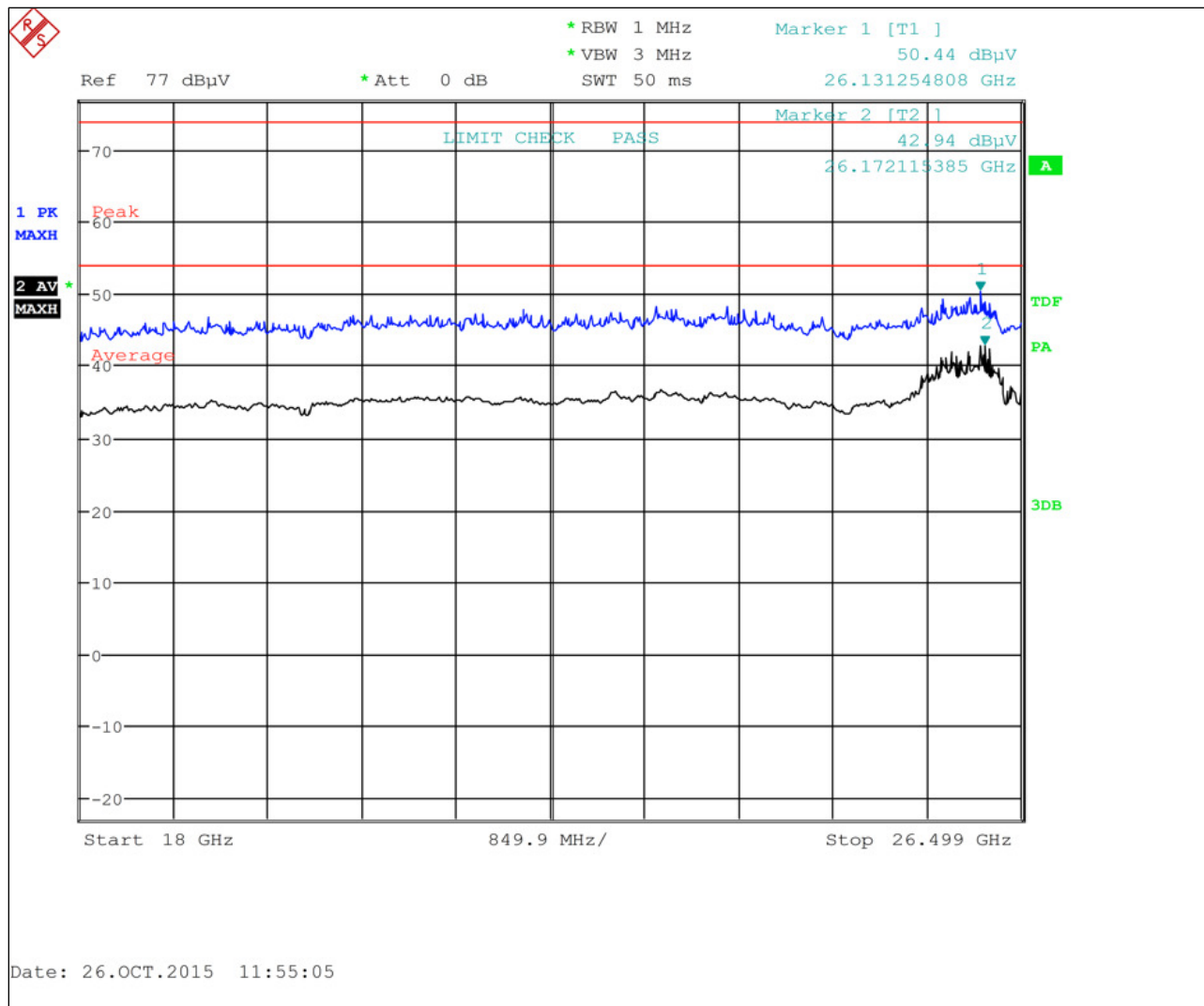
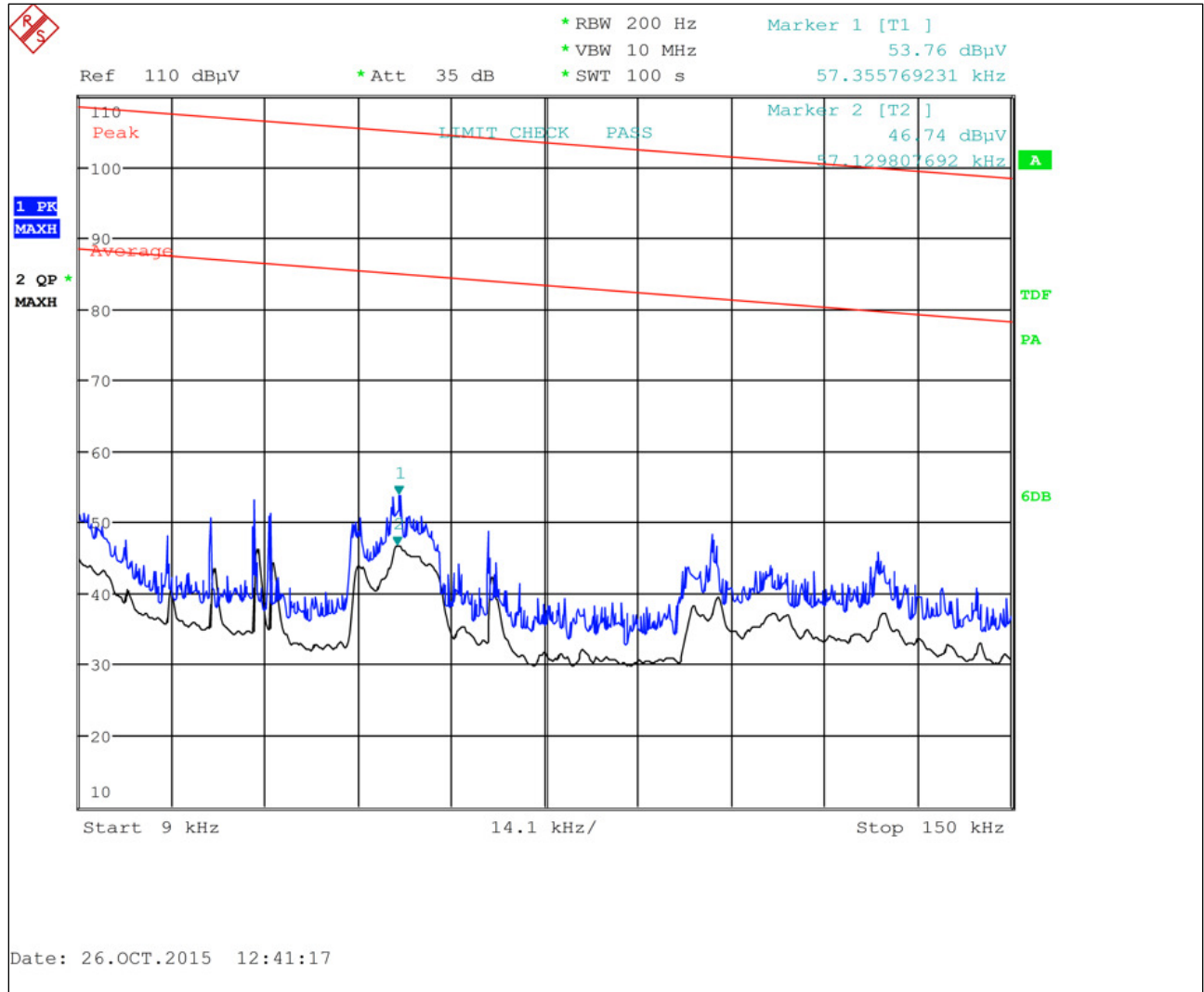


Table 6-9: Radiated Emissions of Carrier – TC #9 Steel Container

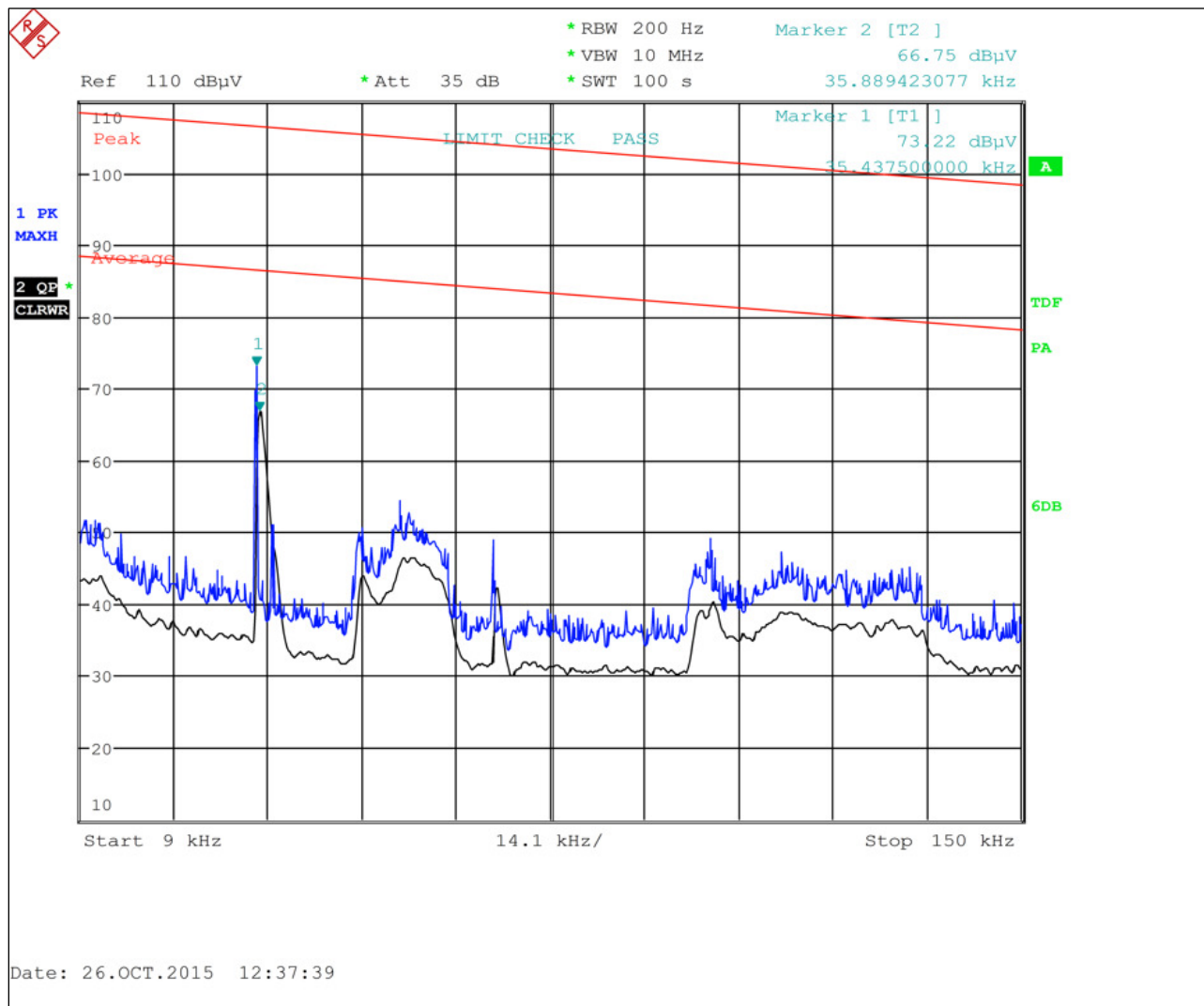
Frequency (GHz)	Detector	Test Antenna Pol	Corrected Spectrum Analyzer Level (dBμV/m)	FCC Limit (dBμV)	Margin (dB)	Corrected Spectrum Analyzer Level (dBm/MHz)	IC Limit (dBm/MHz)	Margin (dBm)
25.1312	Peak	V	50.4	74.0	-23.6	NA		
25.1721	Average	V	42.9	54.0	-11.1	-52.3	-41.3	11.0

6.3.1.14 Radiated Emissions Below 1 GHz Test Data – TC#9 Steel Container

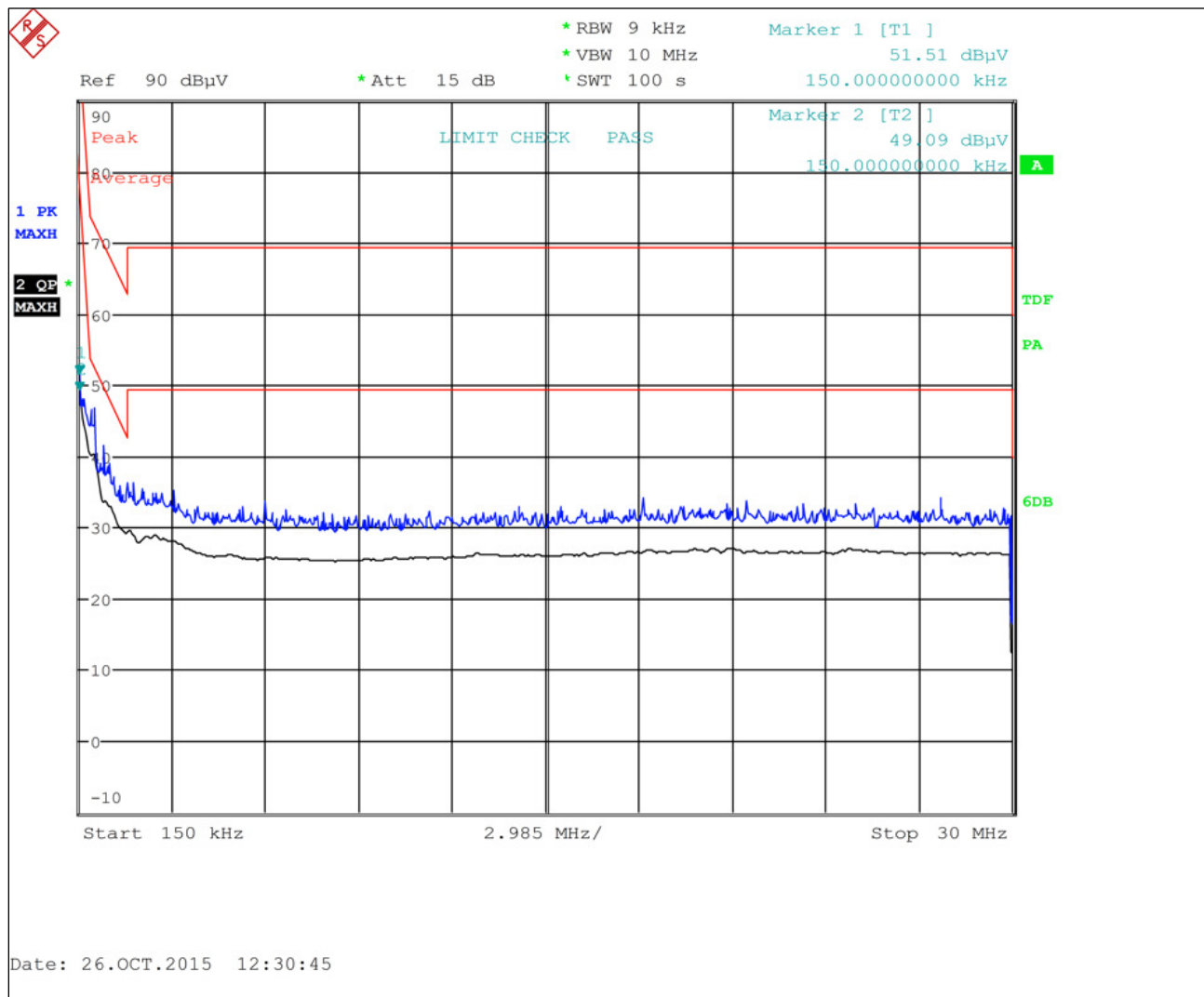
Plot 6-168: Radiated Emissions Transmit – 9 kHz – 150 kHz Horizontal Peak/Average



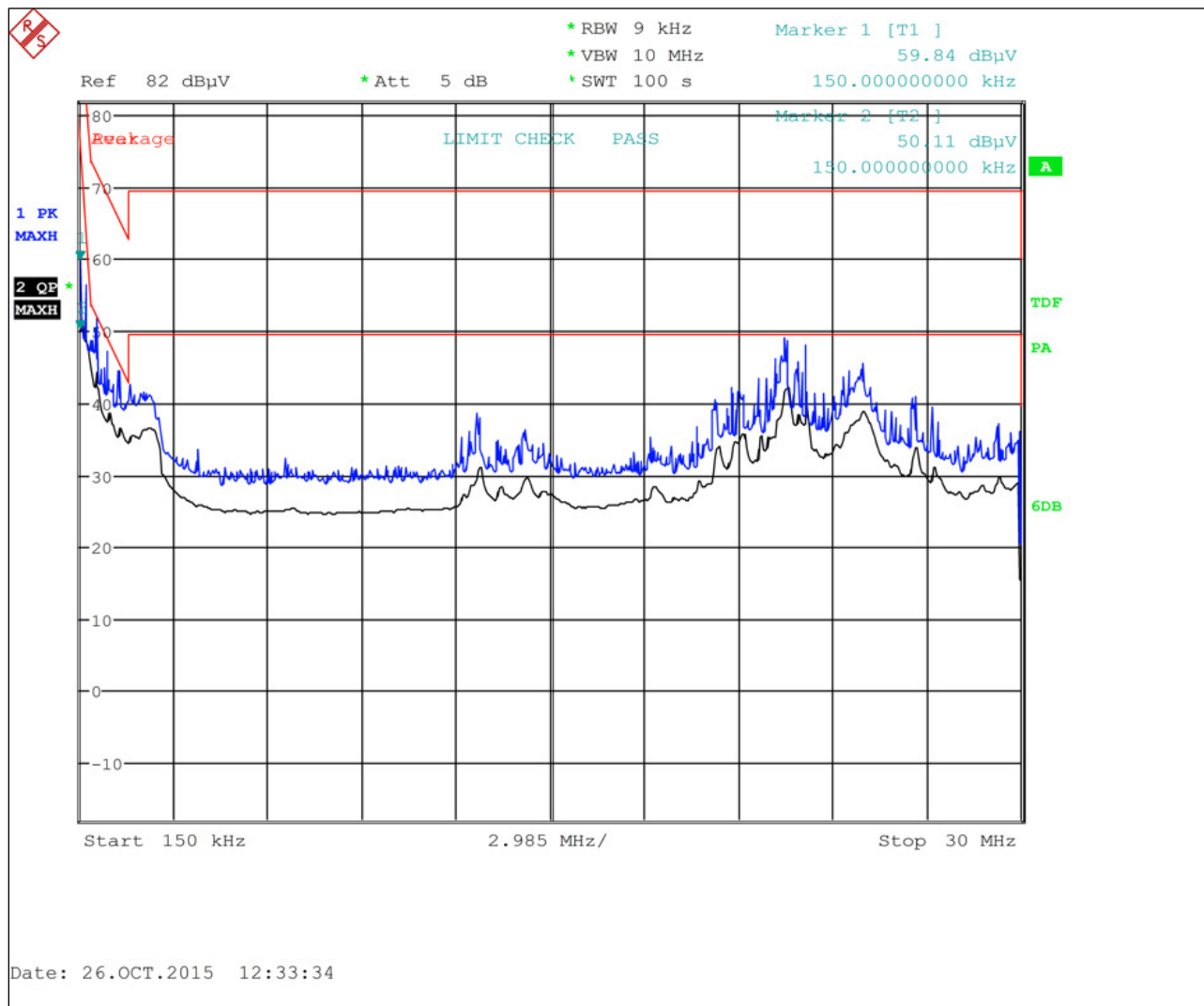
Plot 6-169: Radiated Emissions Transmit – 9 kHz – 150 kHz Vertical Peak/Average



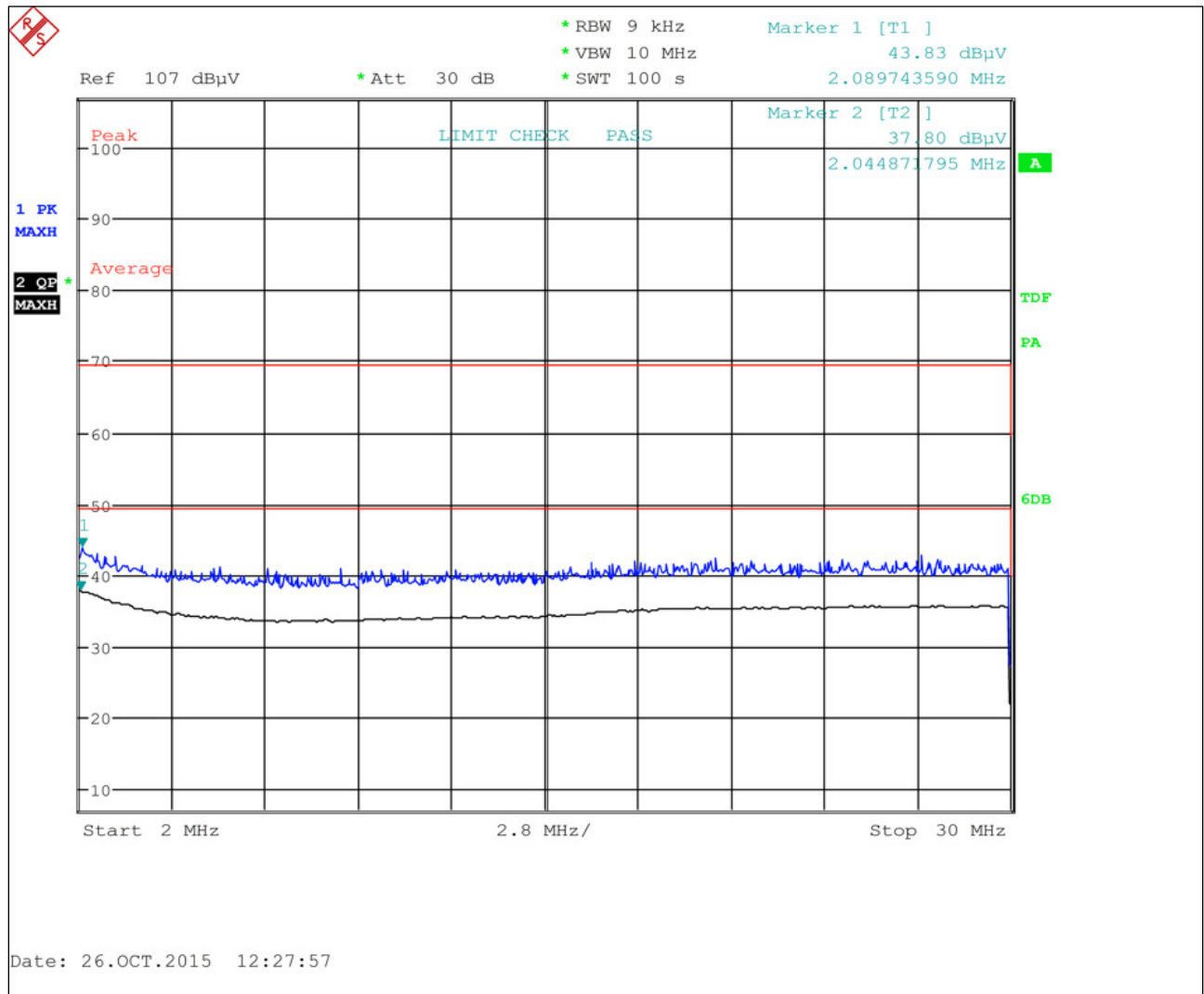
Plot 6-170: Radiated Emissions Transmit – 150 kHz – 2 MHz Horizontal Peak/Average



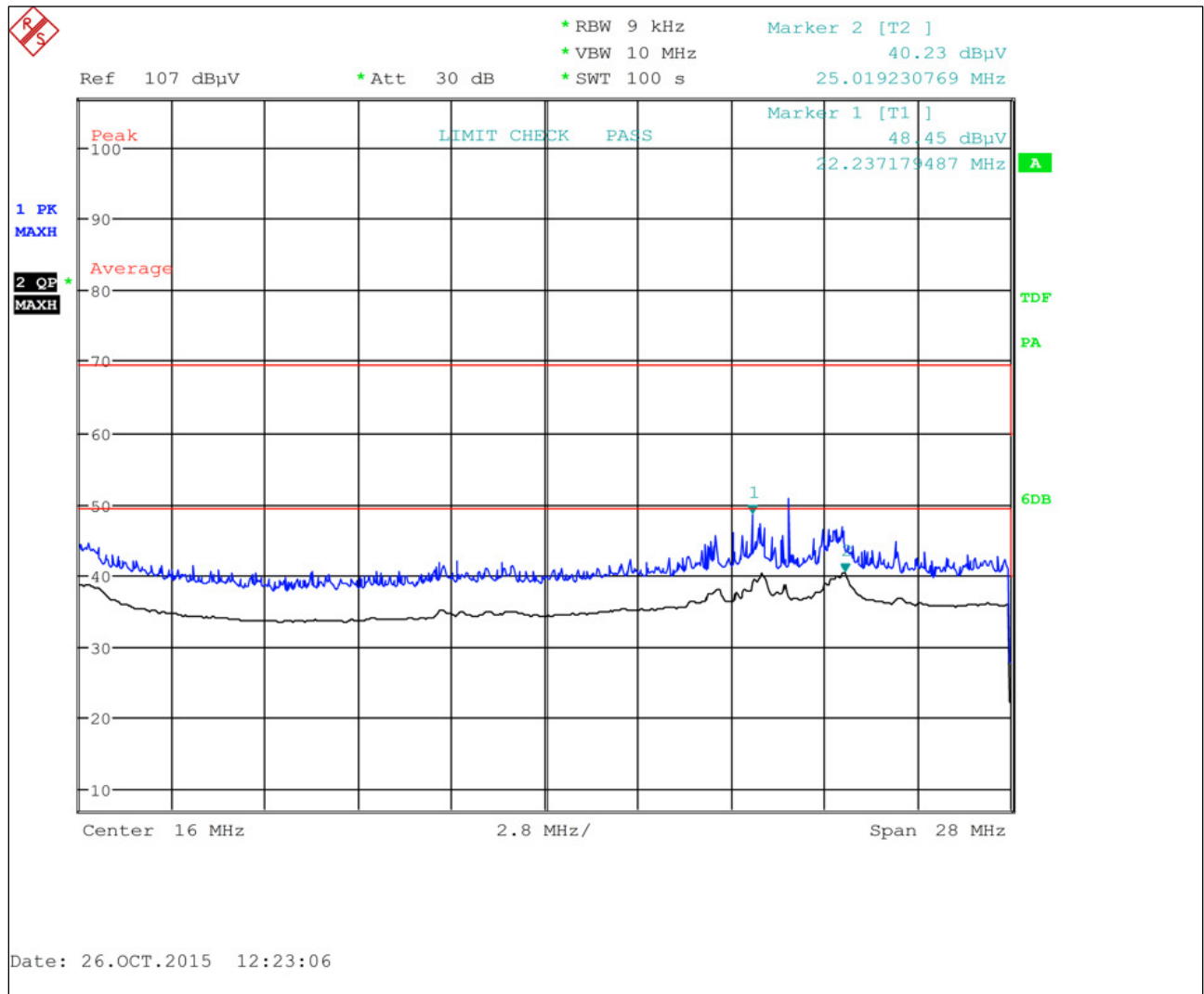
Plot 6-171: Radiated Emissions Transmit – 150 kHz – 2 MHz Vertical Peak/Average



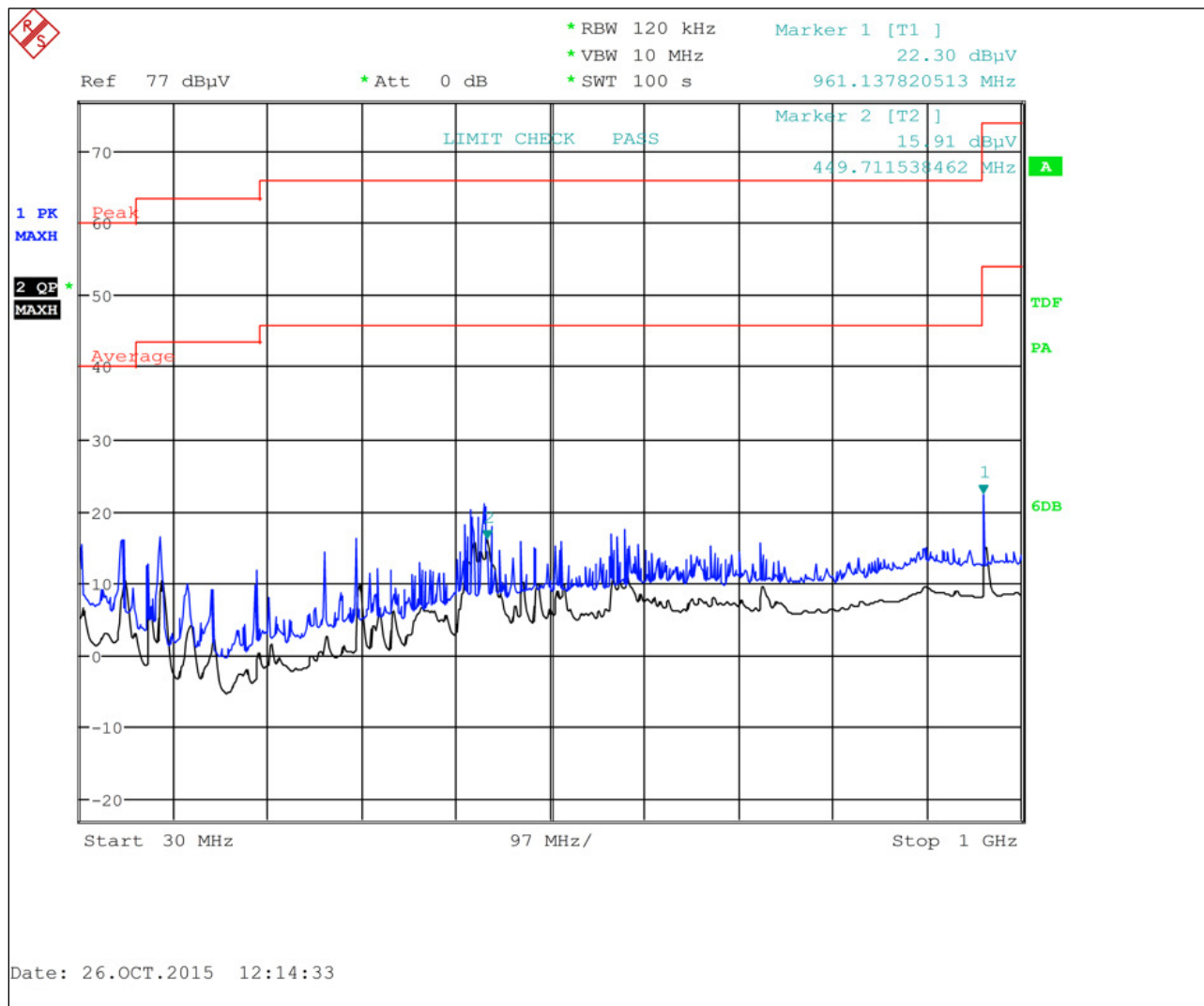
Plot 6-172: Radiated Emissions Transmit – 2 MHz – 30 MHz Horizontal Peak/Average



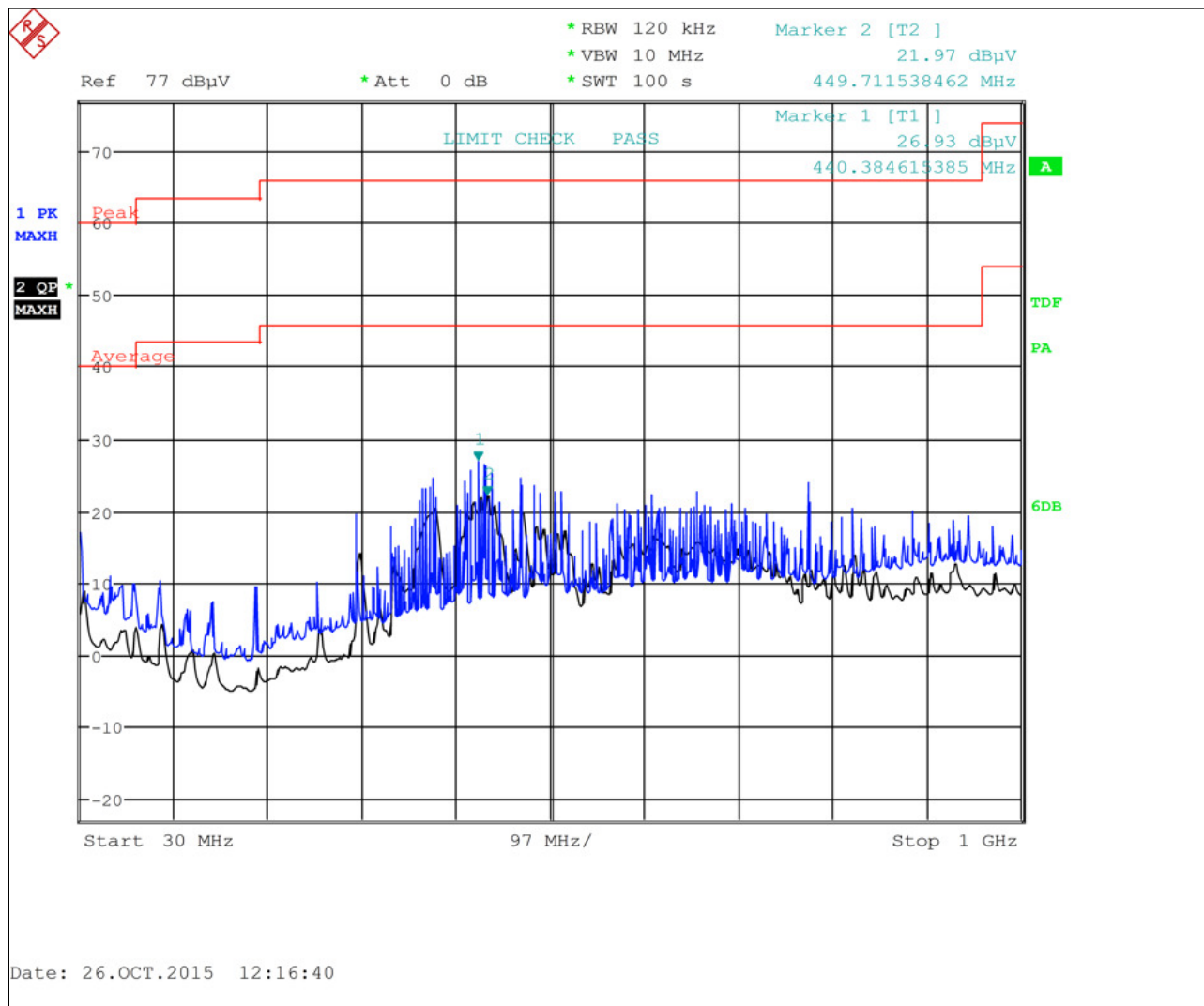
Plot 6-173: Radiated Emissions Transmit – 2 MHz – 30 MHz Vertical Peak/Average



Plot 6-174: Radiated Emissions Transmit – 30 MHz – 1 GHz Horizontal Peak/Average



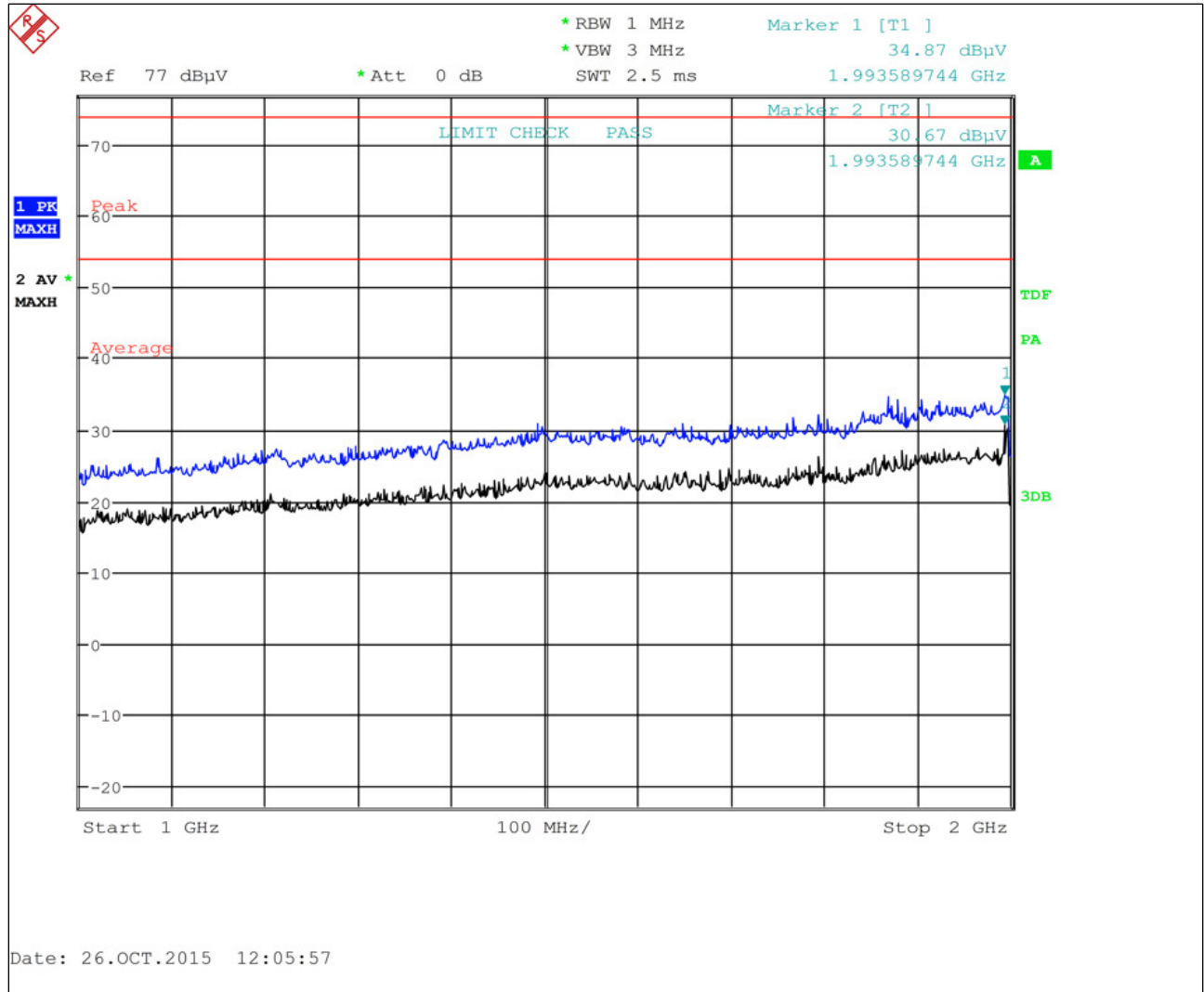
Plot 6-175: Radiated Emissions Transmit – 30 MHz – 1 GHz Vertical Peak/Average



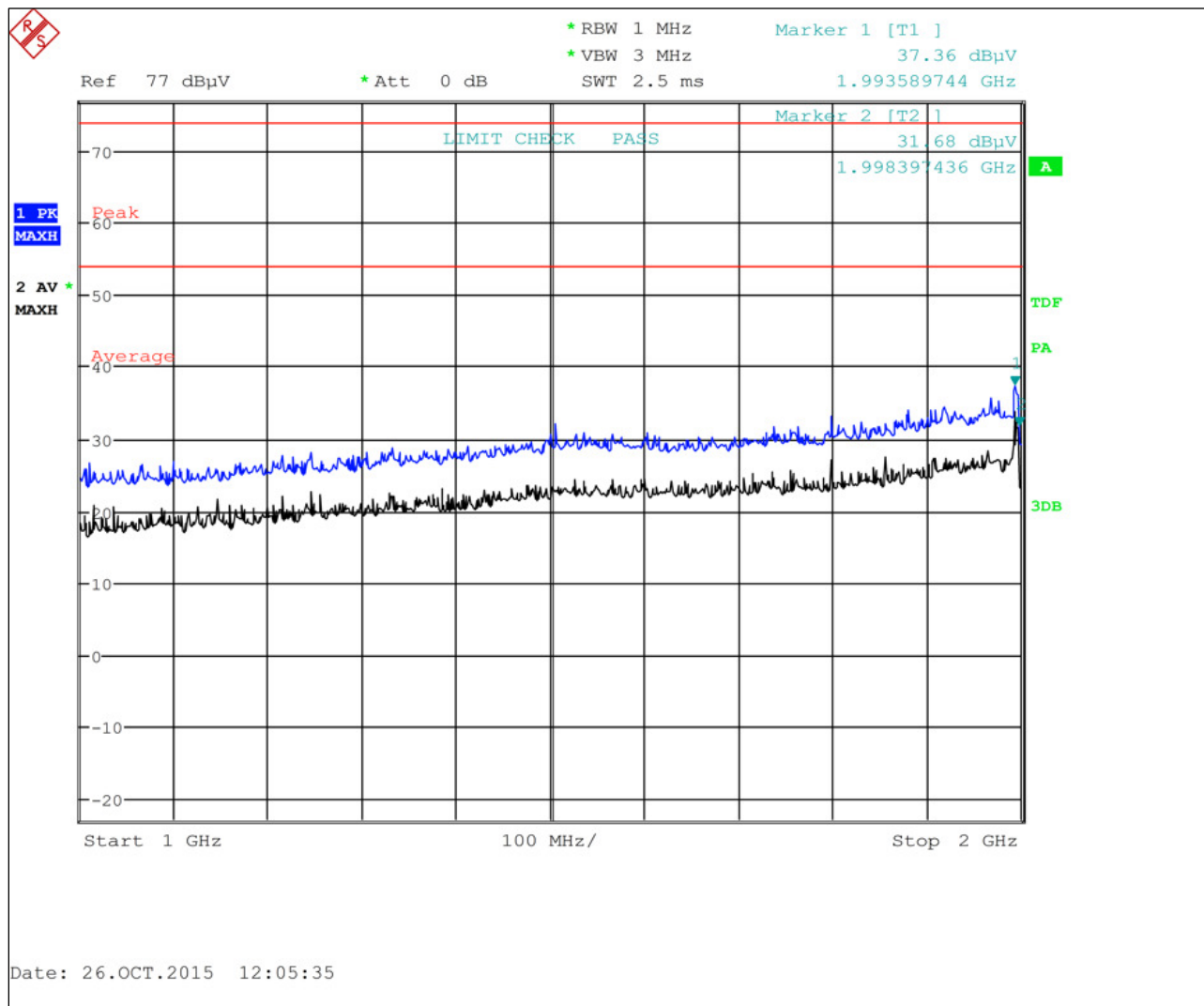
Note: Unwanted emissions were investigated as a digital device (other than harmonics) as required by 15.33(a)(3).

6.3.1.15 Radiated Emissions 1 GHz – 26 GHz Test Data – TC#9 Steel Container

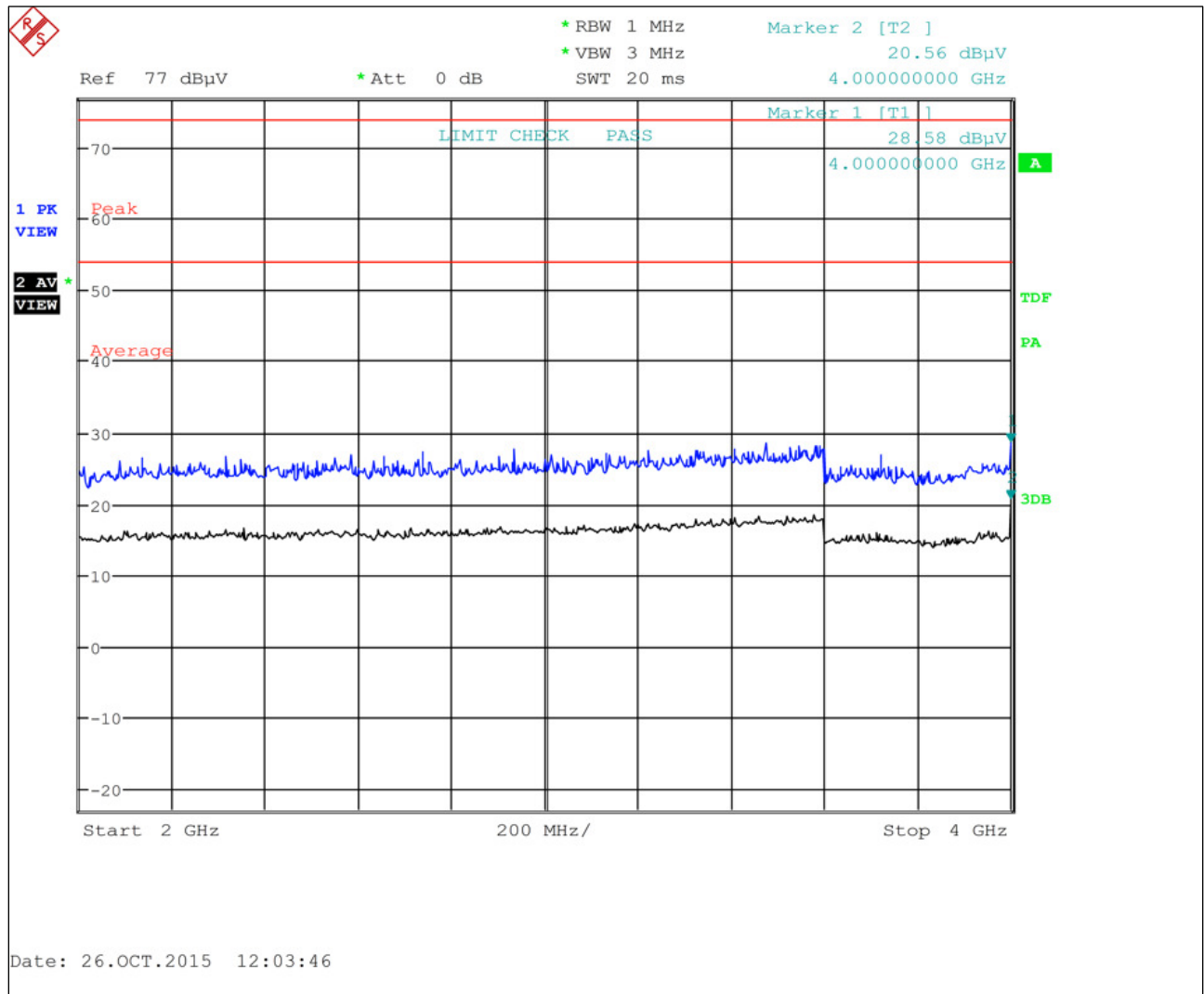
Plot 6-176: Radiated Emissions 1 GHz – 2 GHz Horizontal Peak/Average



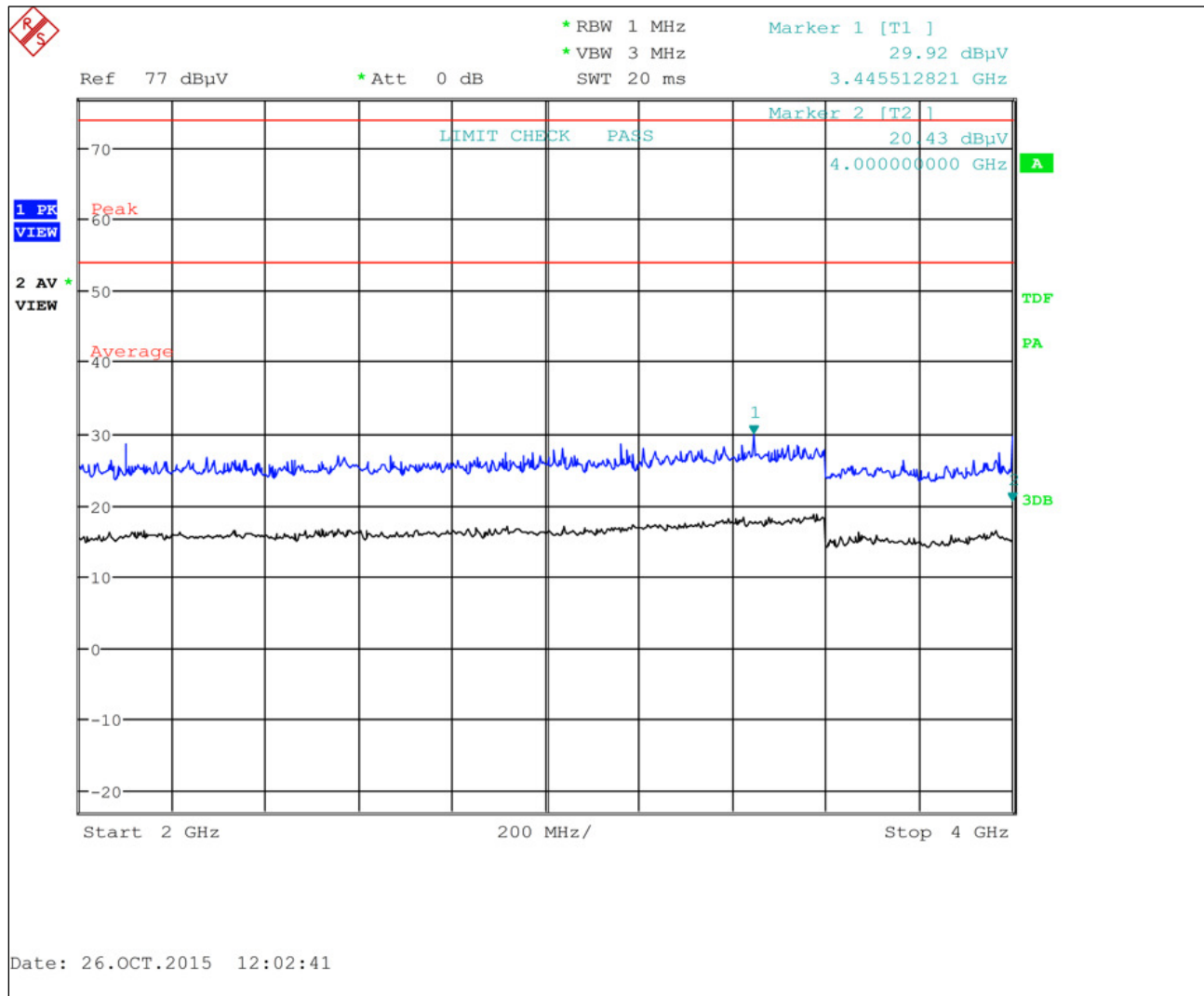
Plot 6-177: Radiated Emissions 1 GHz – 2 GHz Vertical Peak/Average



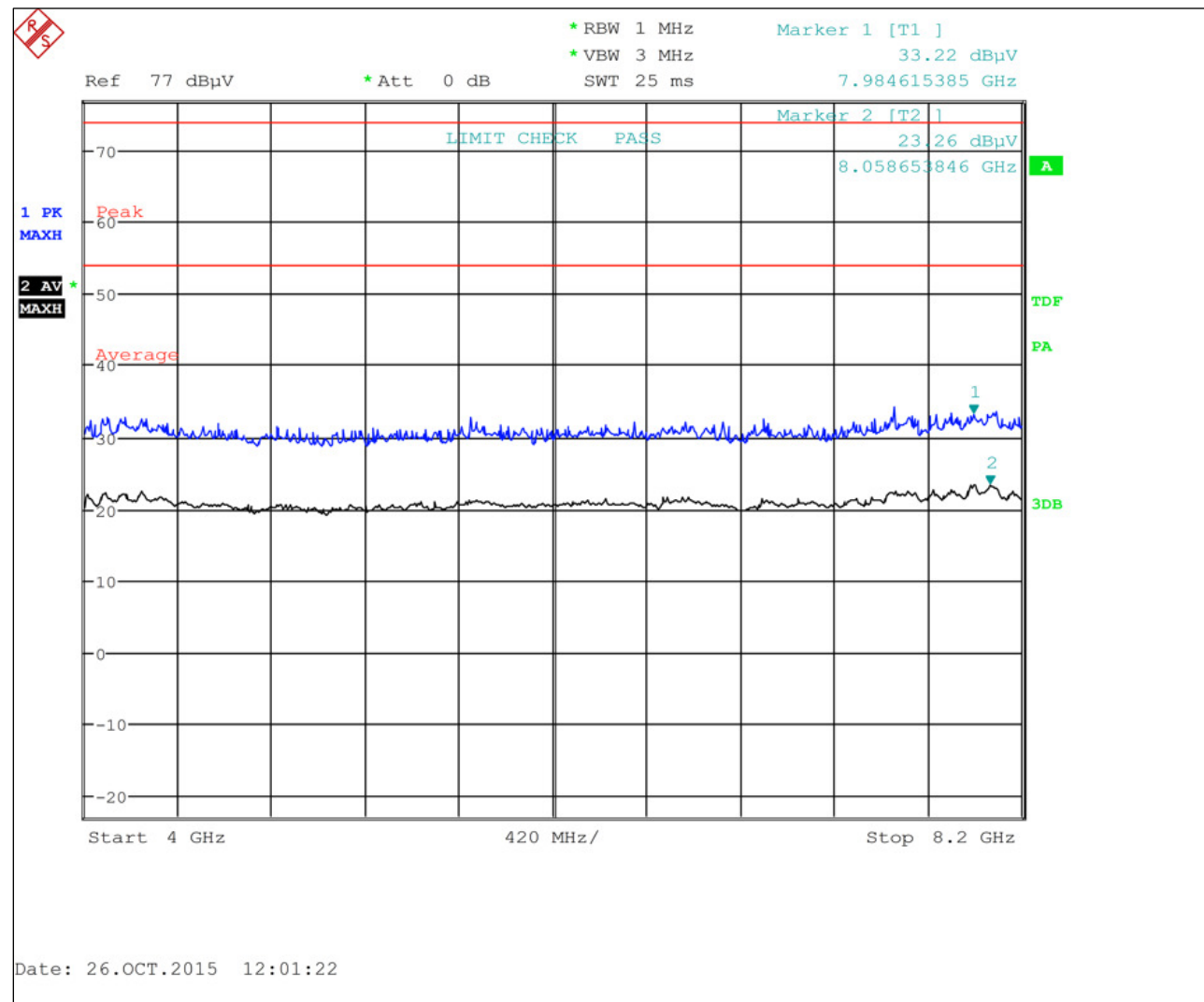
Plot 6-178: Radiated Emissions 2 GHz – 4 GHz Horizontal Peak/Average



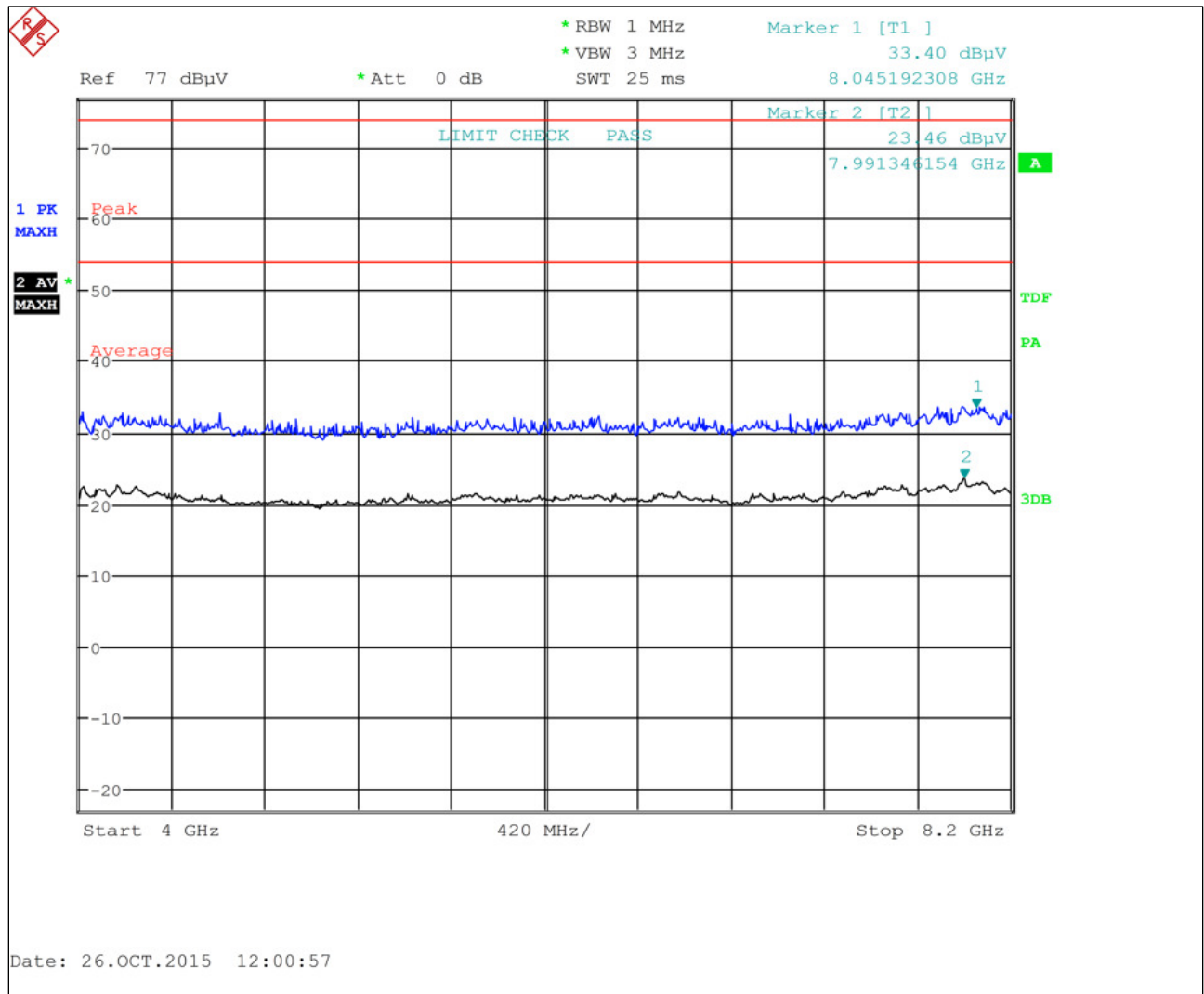
Plot 6-179: Radiated Emissions 2 GHz – 4 GHz Vertical Peak/Average



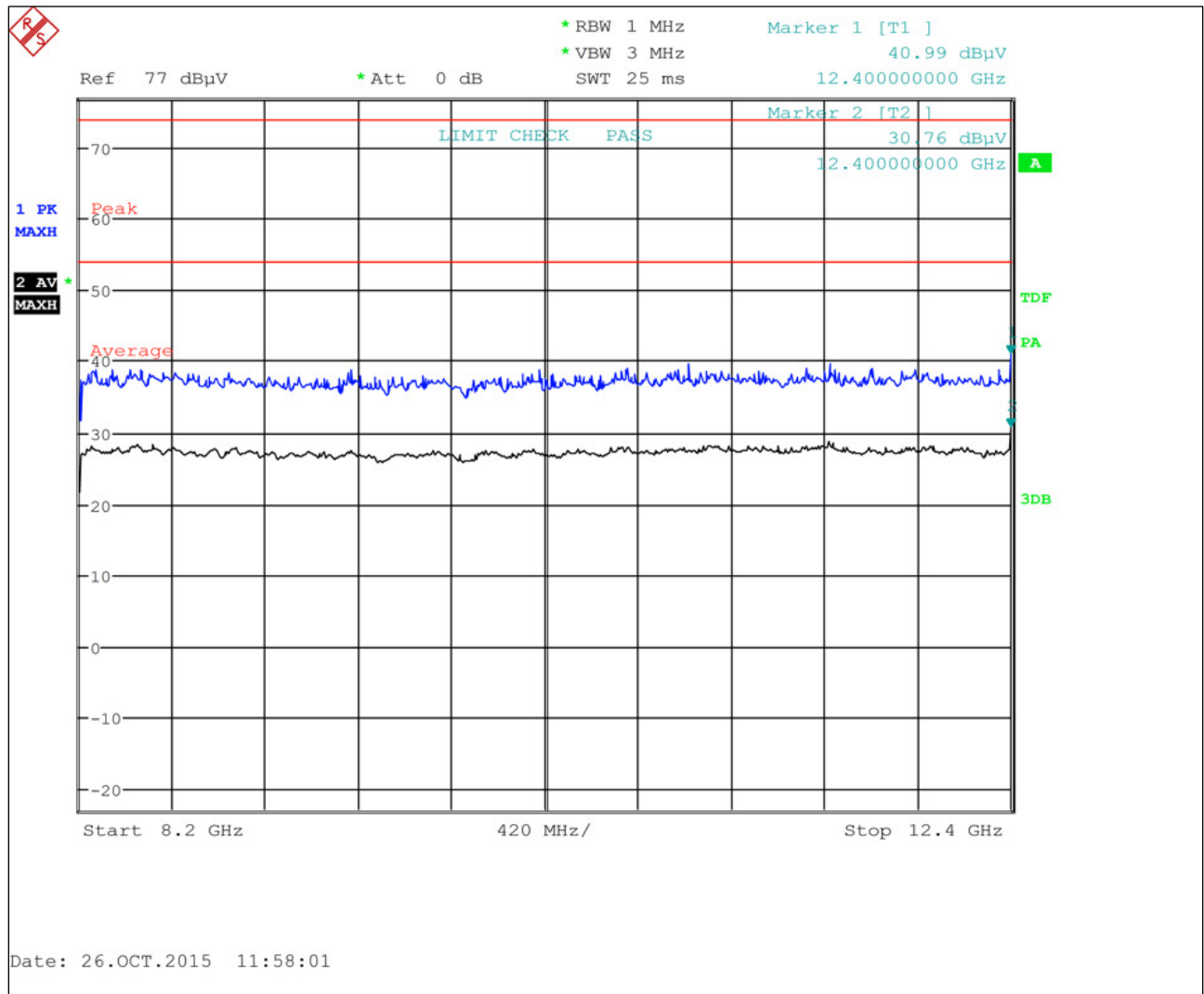
Plot 6-180: Radiated Emissions 4 GHz – 8 GHz Horizontal Peak/Average



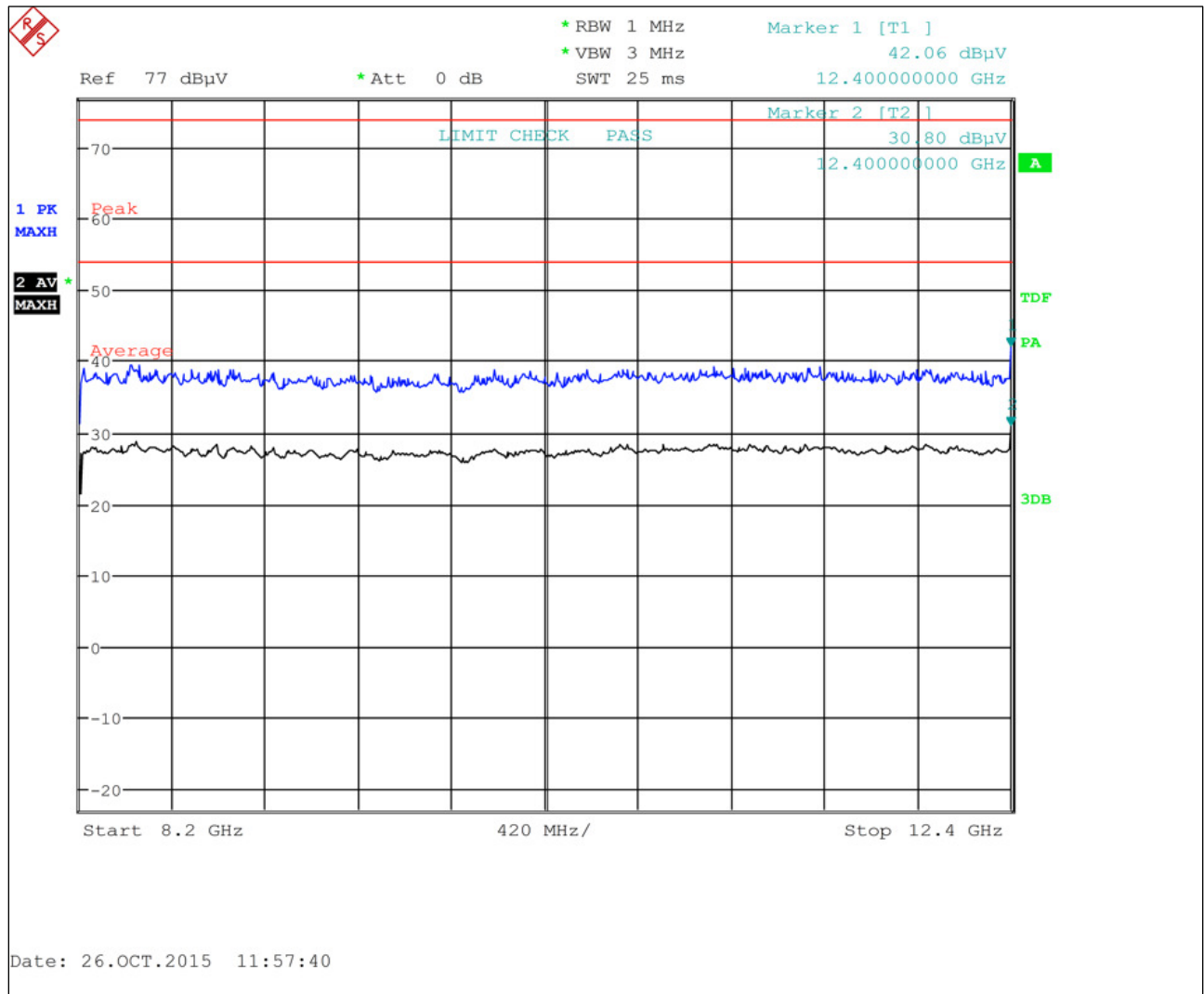
Plot 6-181: Radiated Emissions 4 GHz – 8 GHz Vertical Peak/Average



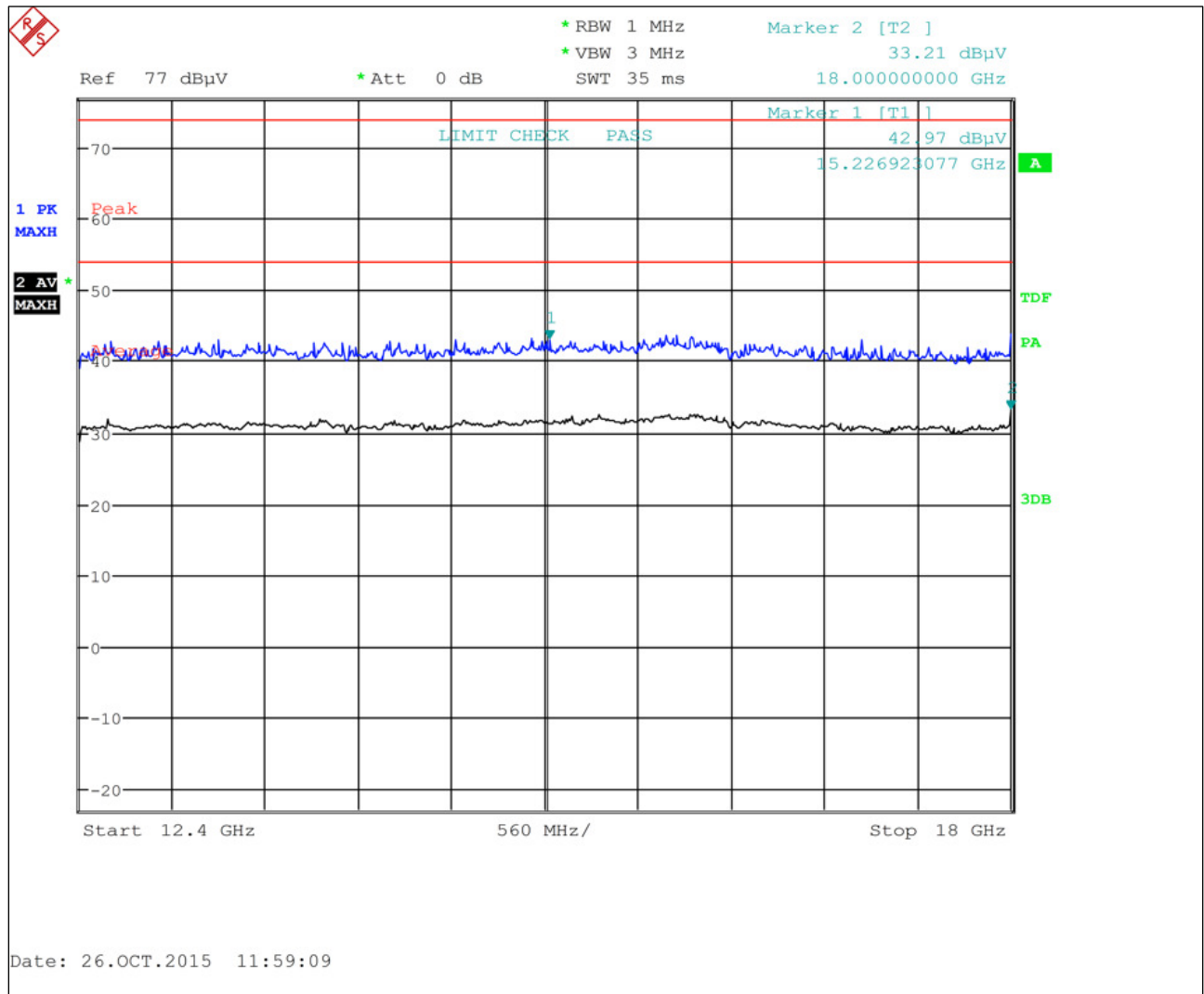
Plot 6-182: Radiated Emissions 8 GHz – 12 GHz Horizontal Peak/Average



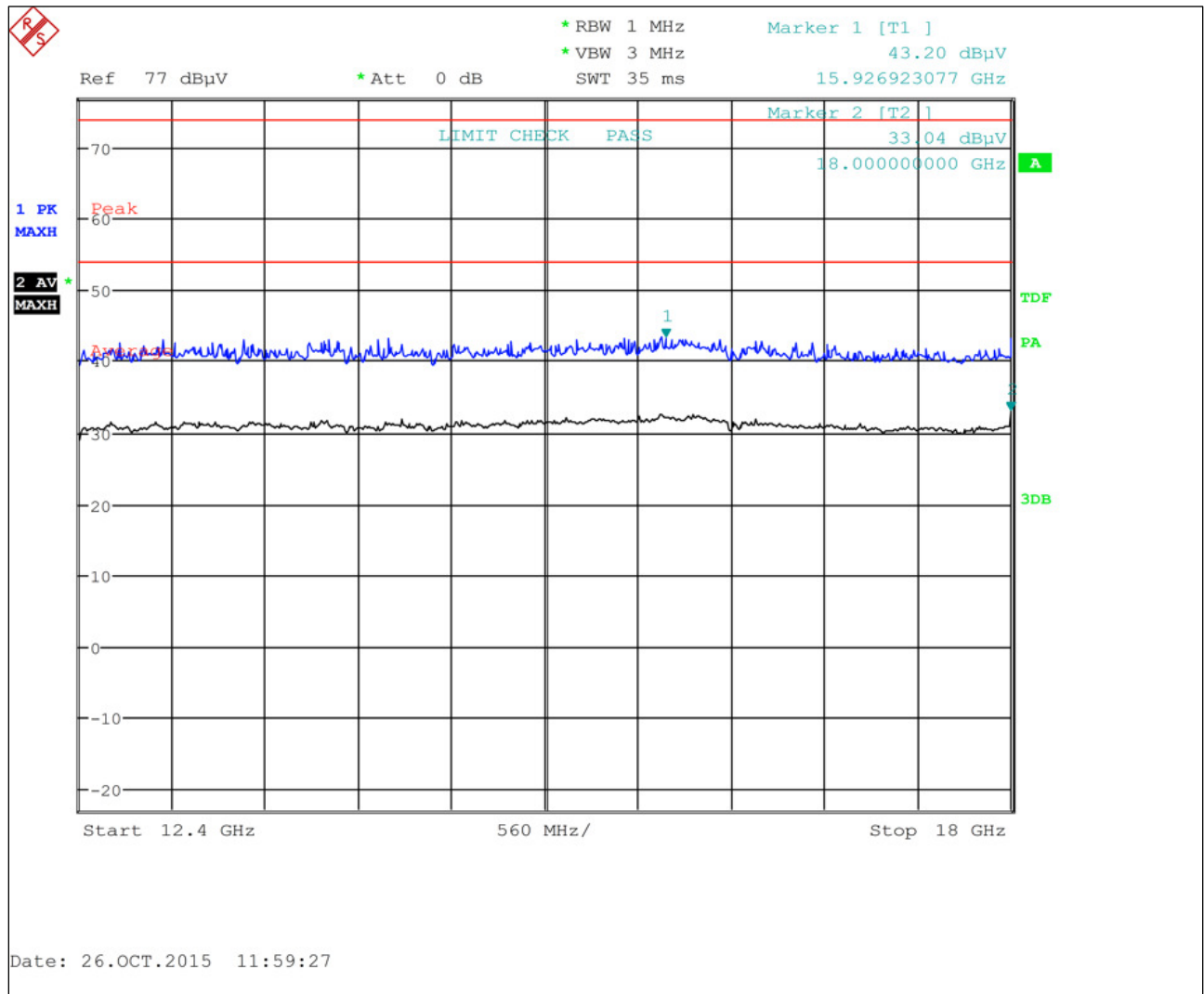
Plot 6-183: Radiated Emissions 8 GHz – 12 GHz Vertical Peak/Average



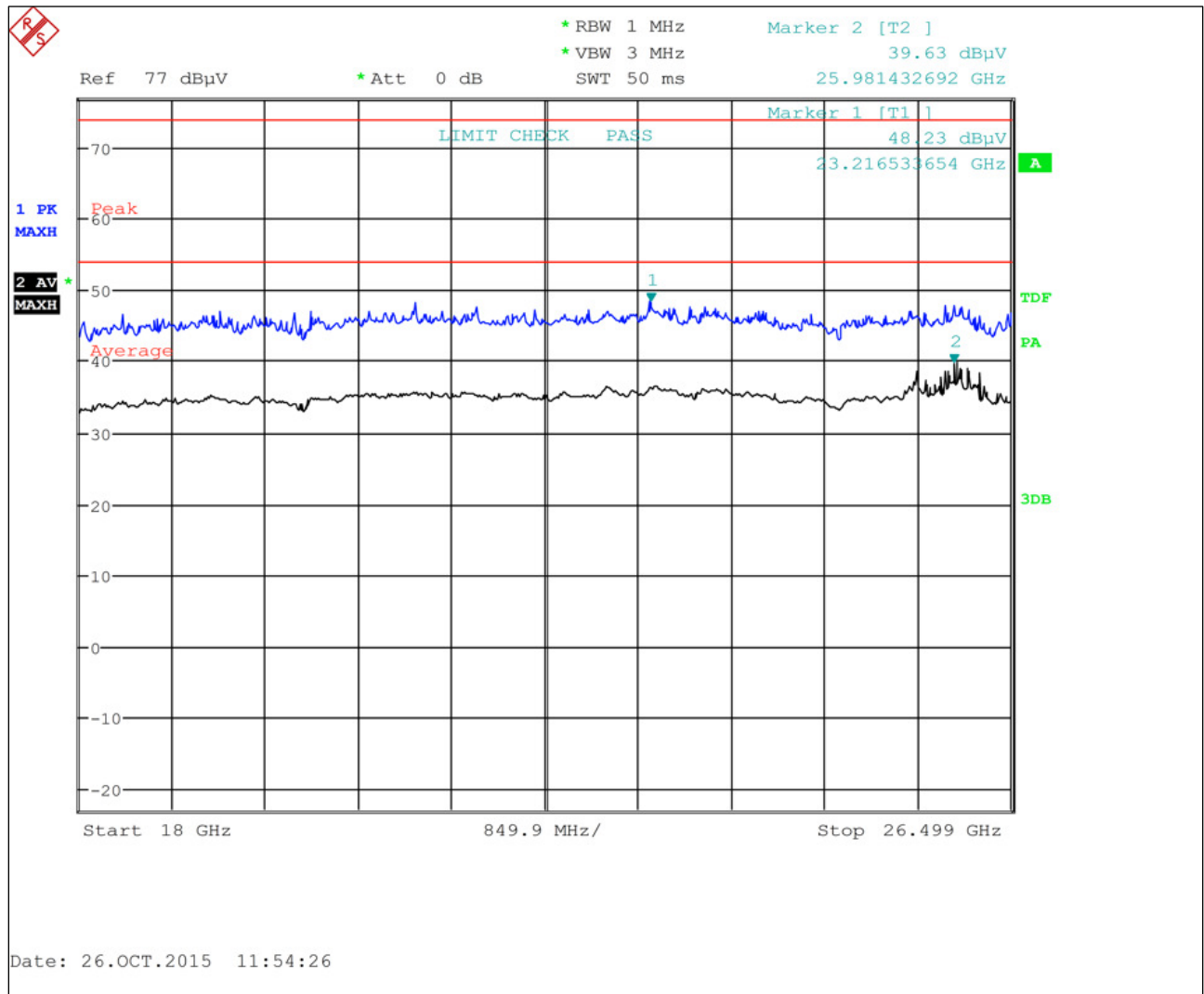
Plot 6-184: Radiated Emissions 12 GHz – 18 GHz Horizontal Peak/Average



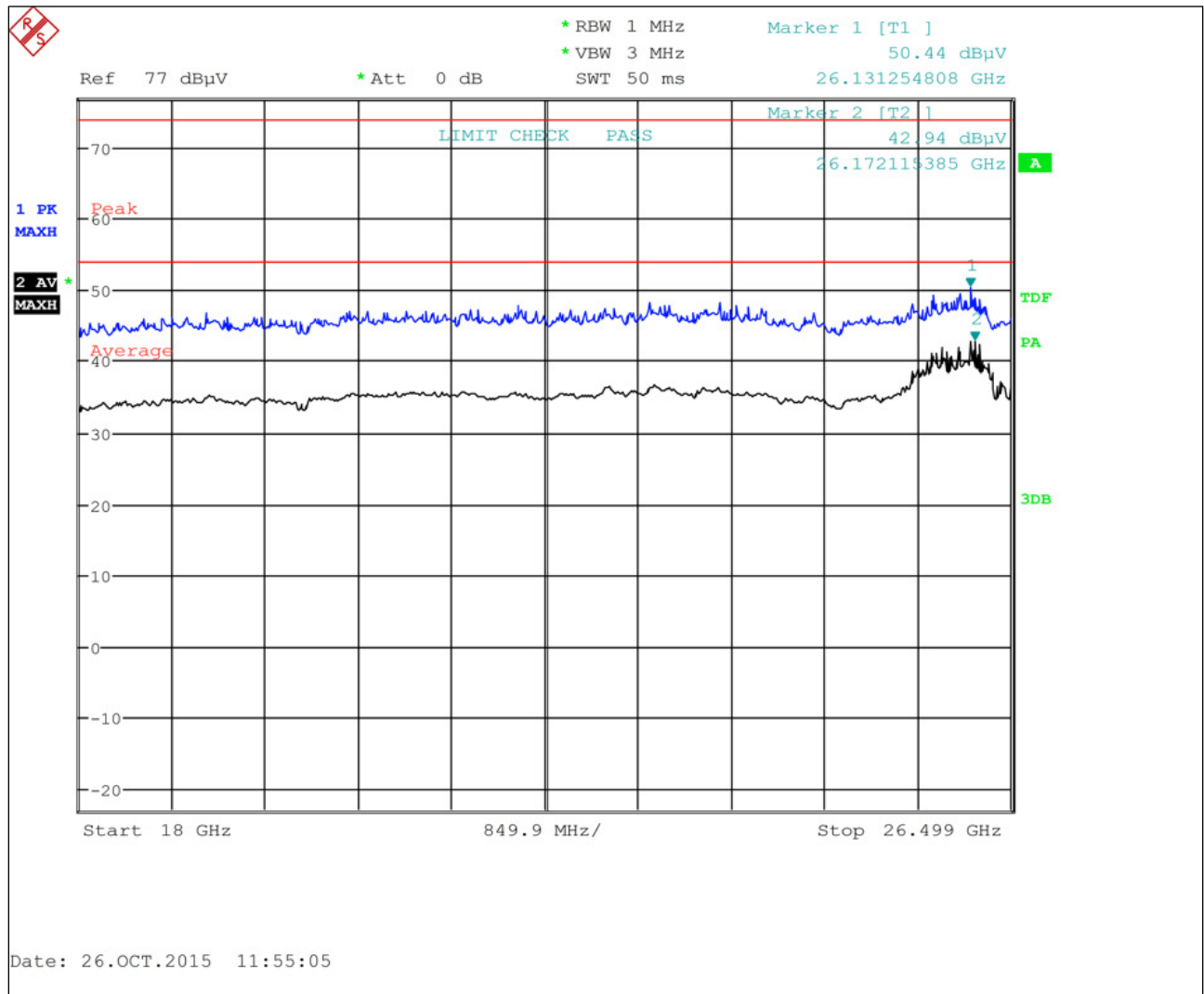
Plot 6-185: Radiated Emissions 12 GHz – 18 GHz Vertical Peak/Average



Plot 6-186: Radiated Emissions 18 GHz – 26 GHz Horizontal Peak/Average



Plot 6-187: Radiated Emissions 18 GHz – 26 GHz Vertical Peak/Average



6.3.2 Radiated Emissions Carrier Test Data - Concrete Container

6.3.2.1 Radiated Emissions Carrier Test Data - TC#1 Concrete Container

Plot 6-188: Radiated Emissions of Carrier - TC #1 Concrete Container

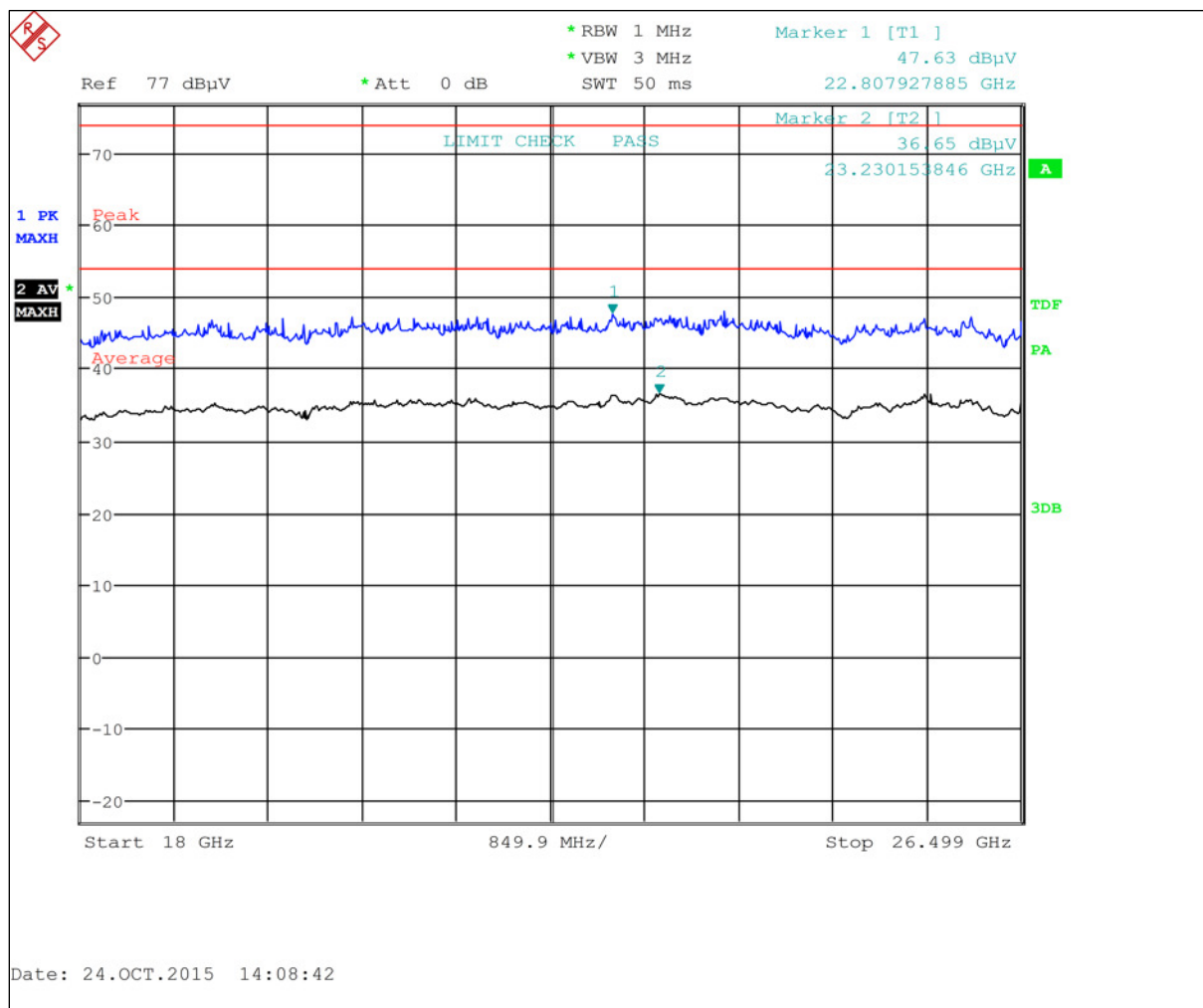
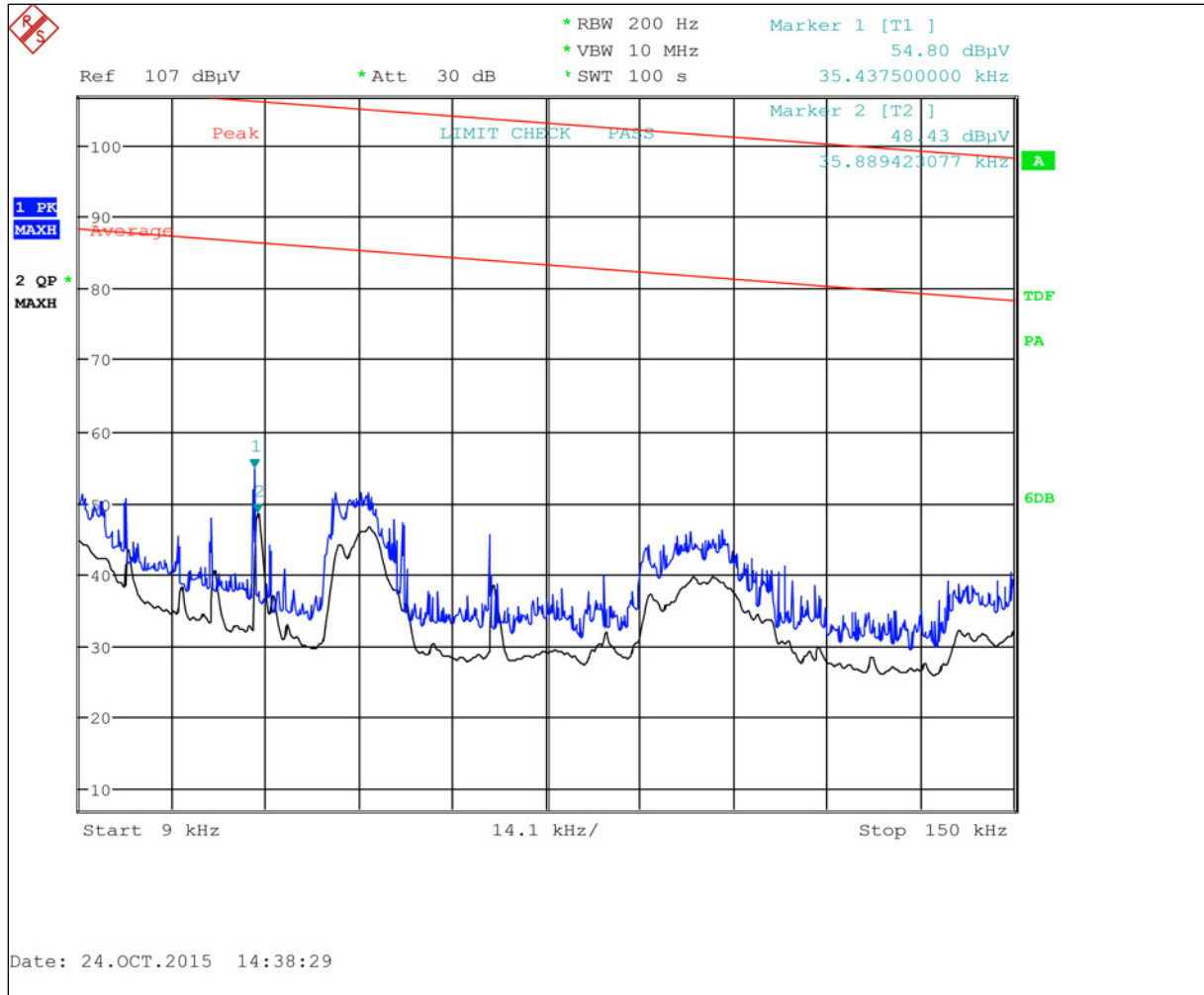


Table 6-10: Radiated Emissions of Carrier – TC #1 Concrete Container

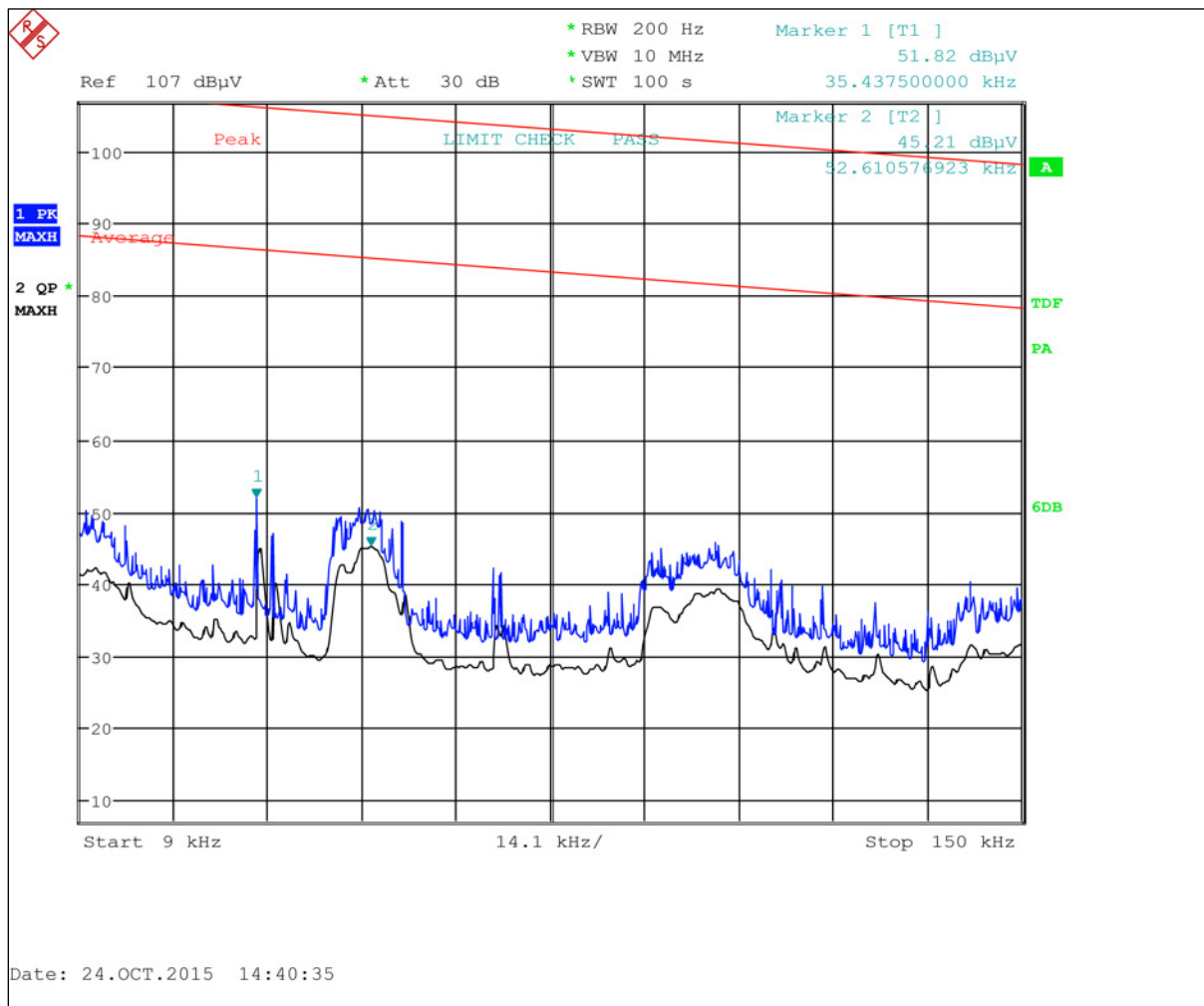
Frequency (GHz)	Detector	Test Antenna Pol	Corrected Spectrum Analyzer Level (dBμV/m)	FCC Limit (dBμV)	Margin (dB)	Corrected Spectrum Analyzer Level (dBm/MHz)	IC Limit (dBm/MHz)	Margin (dBm)
22.8079	Peak	H	47.6	74.0	-26.4	NA		
23.2301	Average	H	36.7	54.0	-17.3	-58.5	-41.3	7.2

6.3.2.2 Radiated Emissions Below 1 GHz Test Data – TC#1 Concrete Container

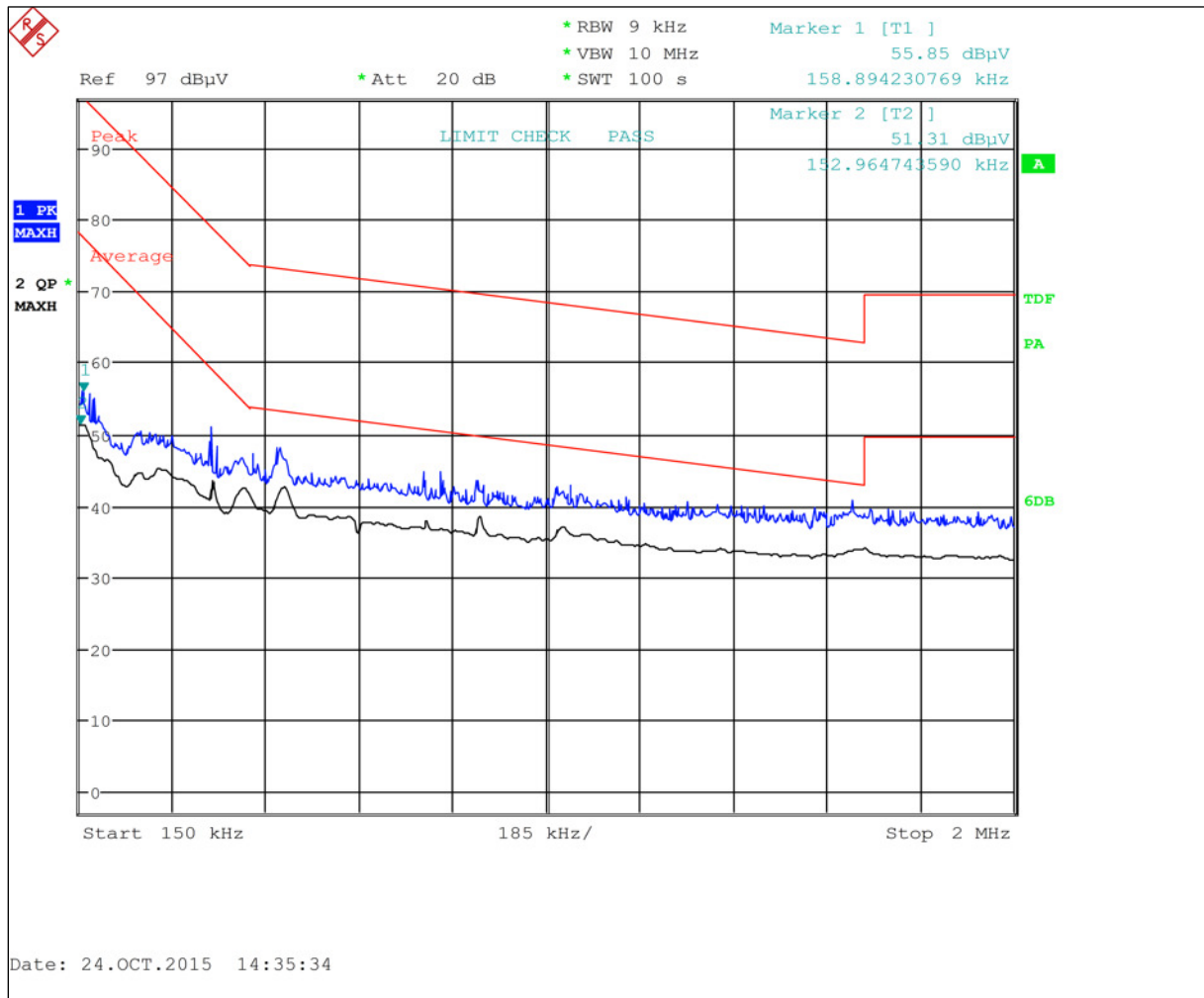
Plot 6-189: Radiated Emissions Transmit – 9 kHz – 150 kHz Horizontal Peak/Average



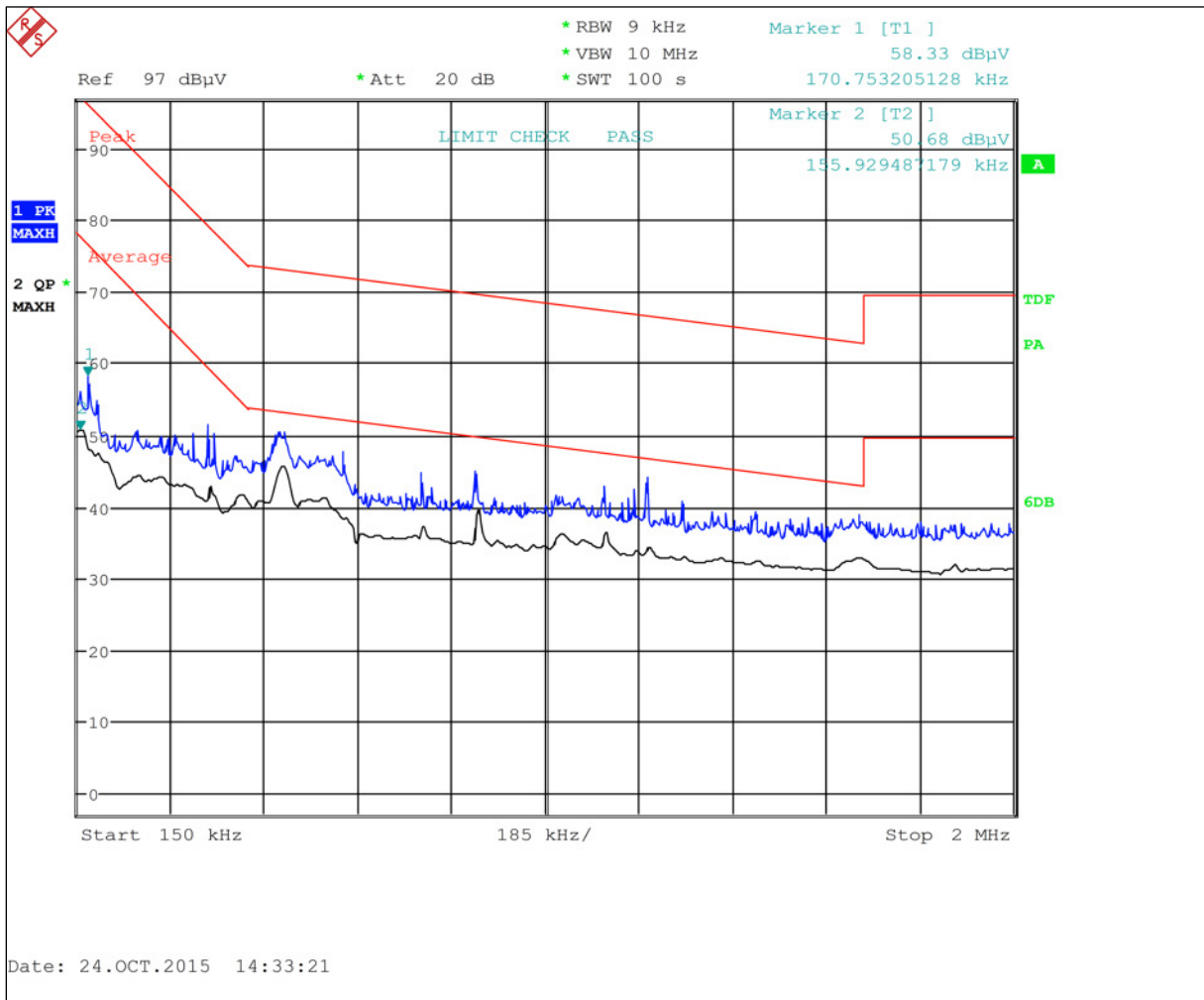
Plot 6-190: Radiated Emissions Transmit – 9 kHz – 150 kHz Vertical Peak/Average



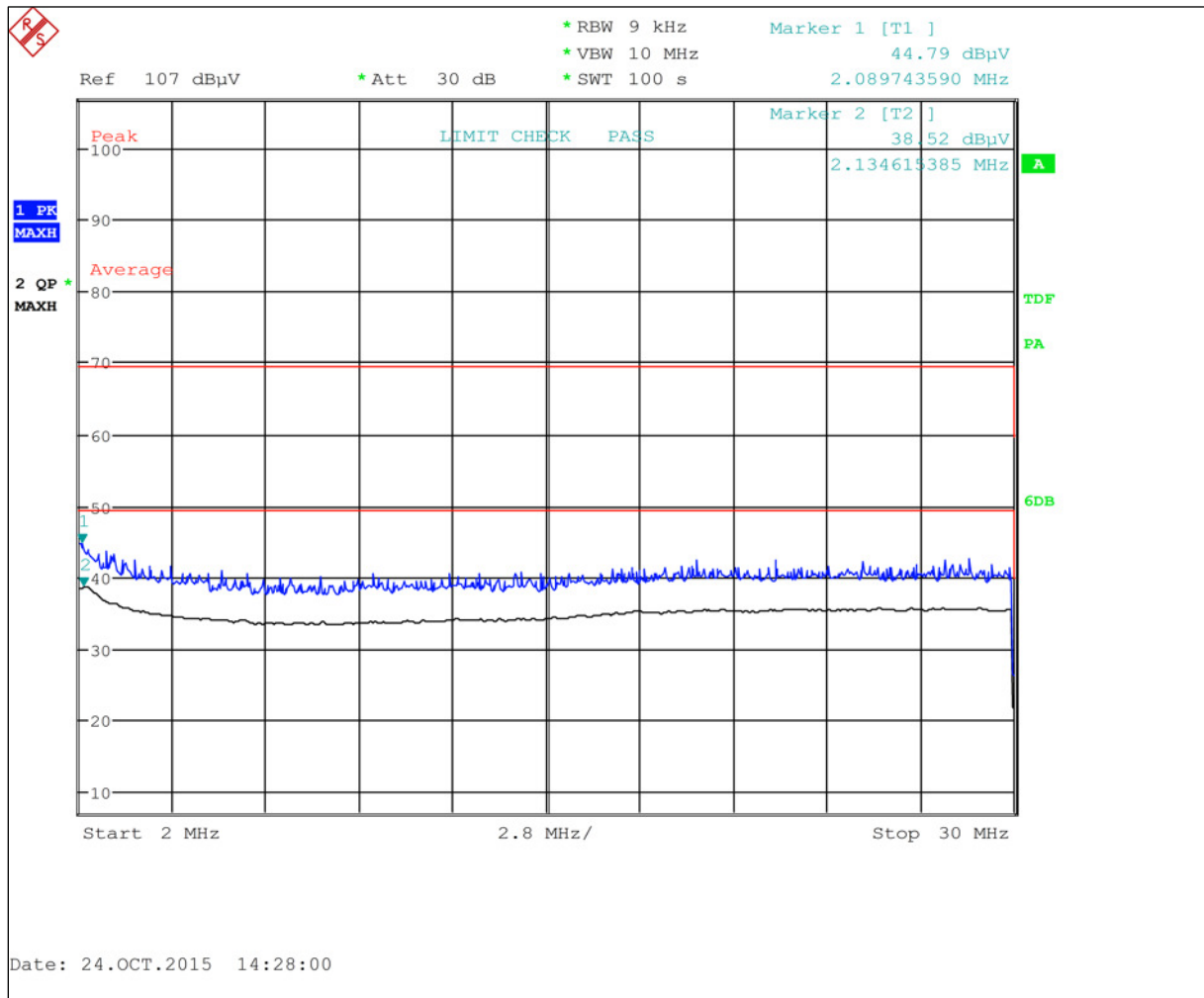
Plot 6-191: Radiated Emissions Transmit – 150 kHz – 2 MHz Horizontal Peak/Average



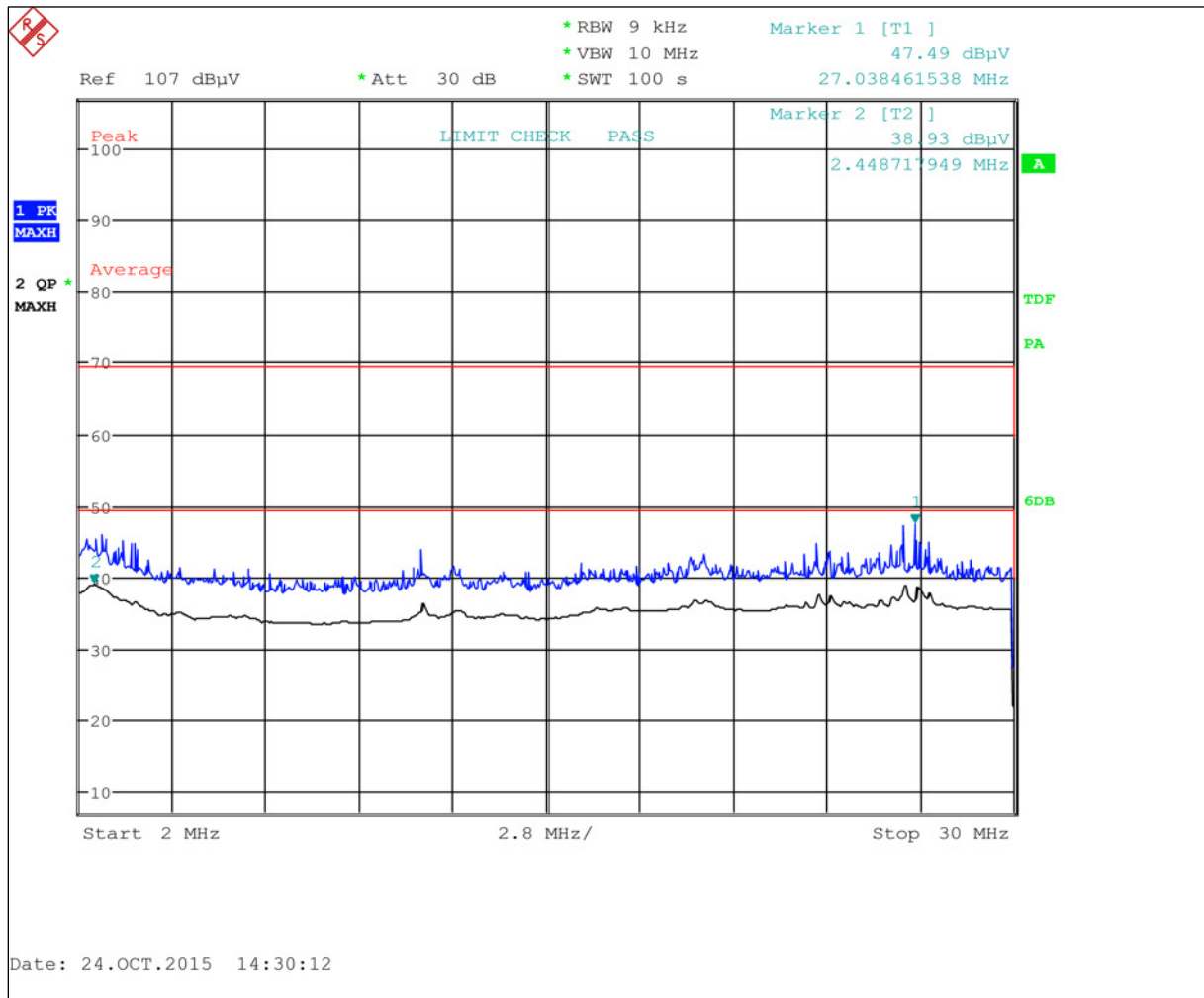
Plot 6-192: Radiated Emissions Transmit – 150 kHz – 2 MHz Vertical Peak/Average



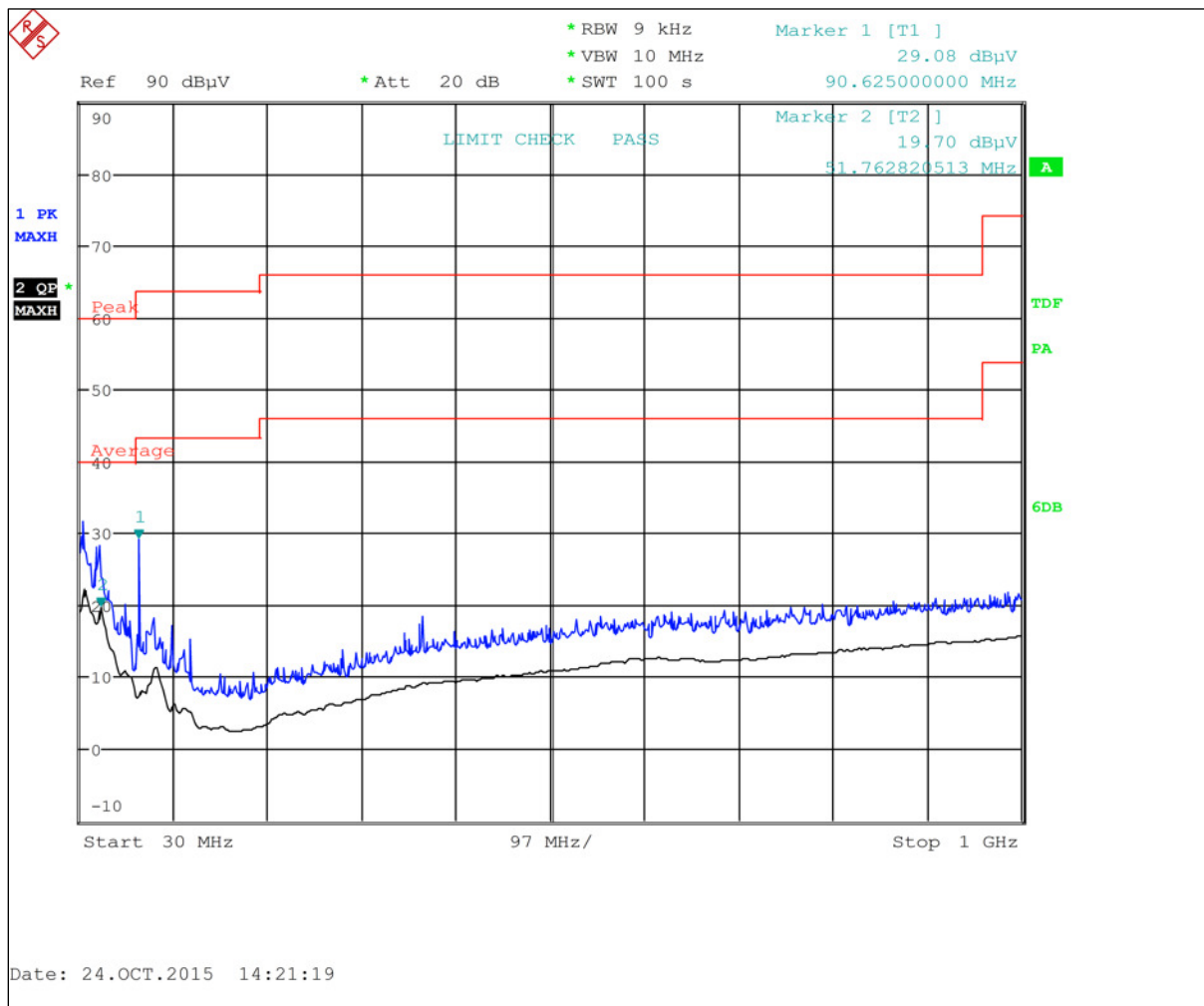
Plot 6-193: Radiated Emissions Transmit – 2 MHz – 30 MHz Horizontal Peak/Average



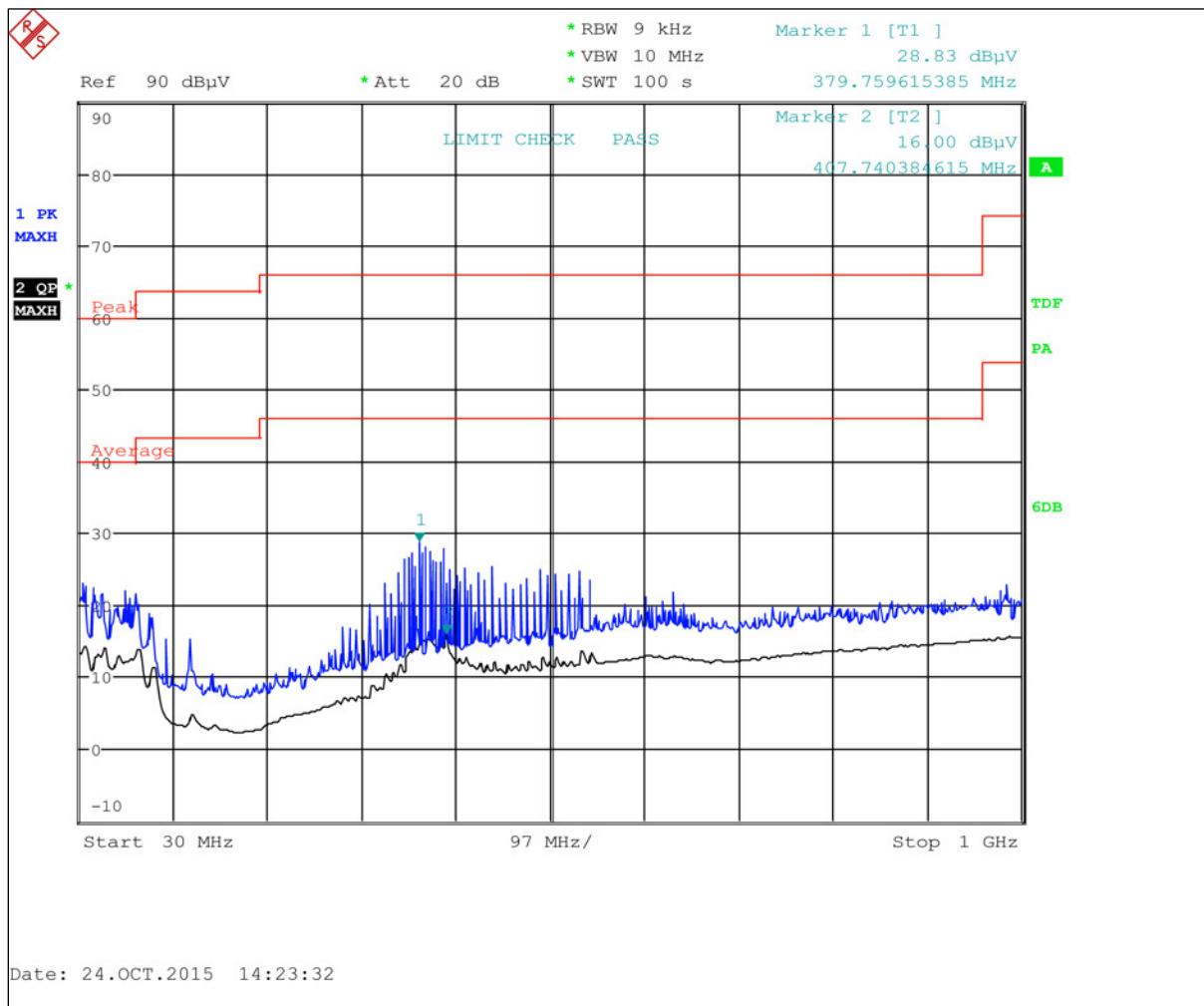
Plot 6-194: Radiated Emissions Transmit – 2 MHz – 30 MHz Vertical Peak/Average



Plot 6-195: Radiated Emissions Transmit – 30 MHz – 1 GHz Horizontal Peak/Average



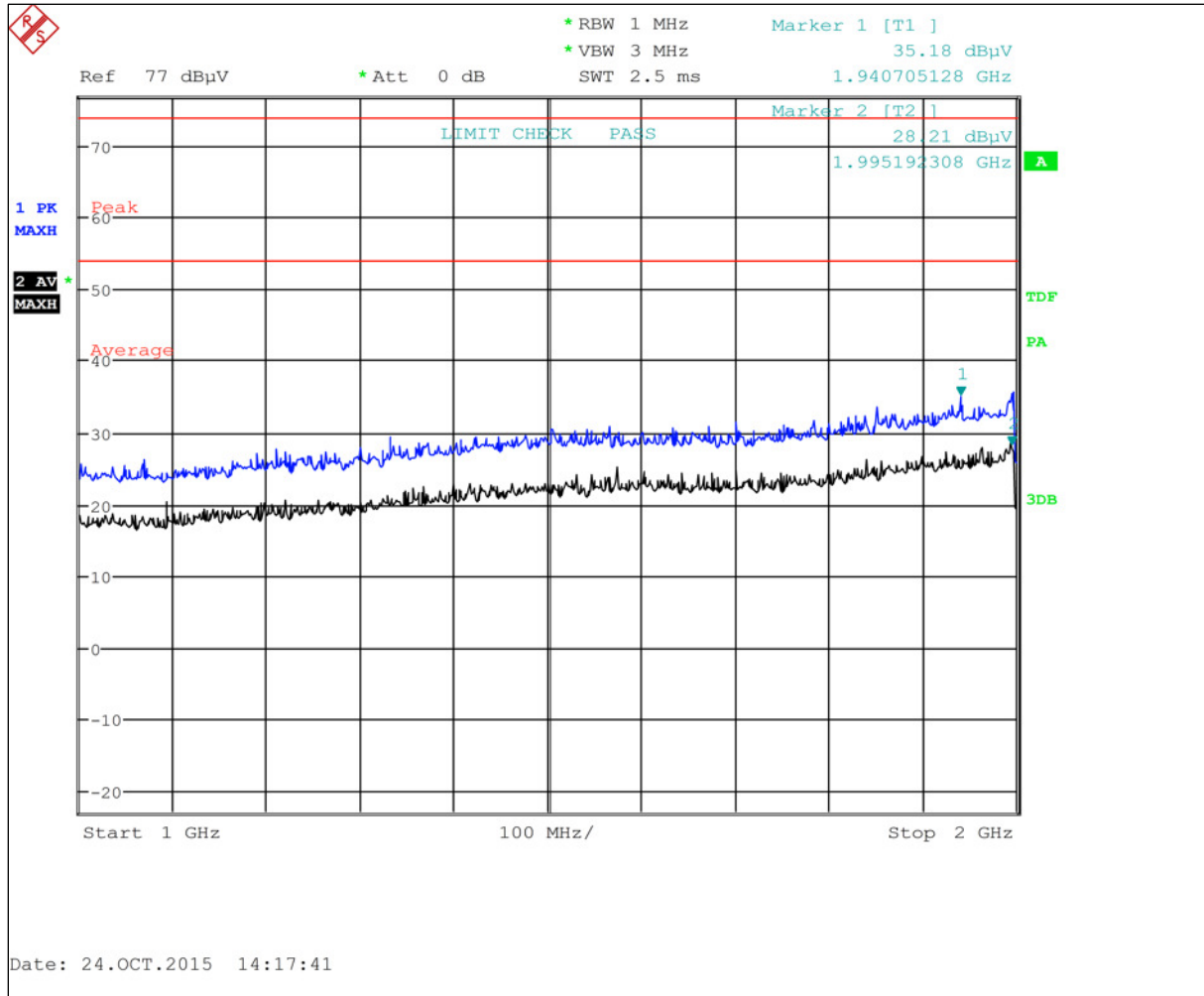
Plot 6-196: Radiated Emissions Transmit – 30 MHz – 1 GHz Vertical Peak/Average



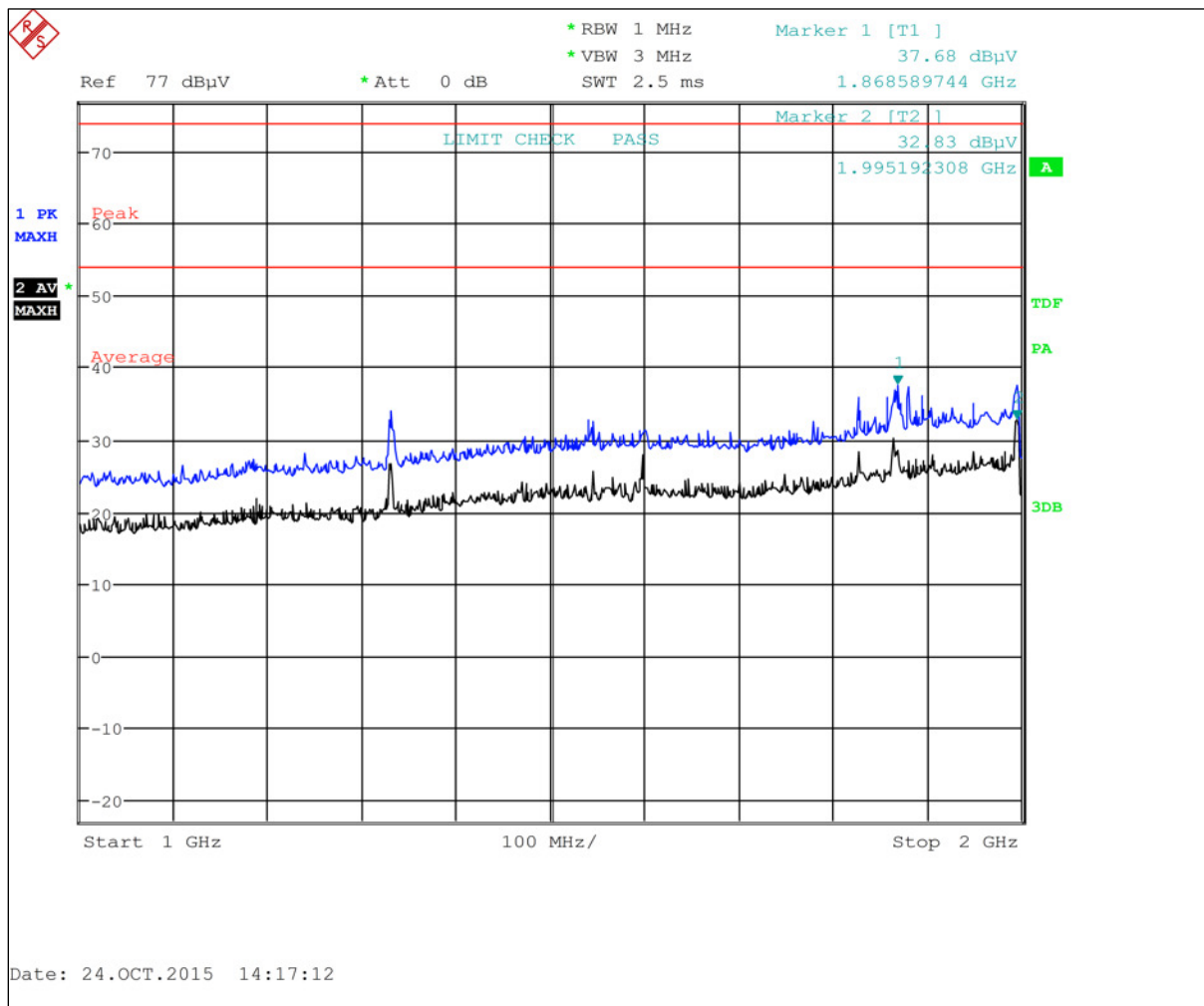
Note: Unwanted emissions were investigated as a digital device (other than harmonics) as required by 15.33(a)(3).

6.3.2.3 Radiated Emissions 1 GHz – 26 GHz Test Data – TC#1 Concrete Container

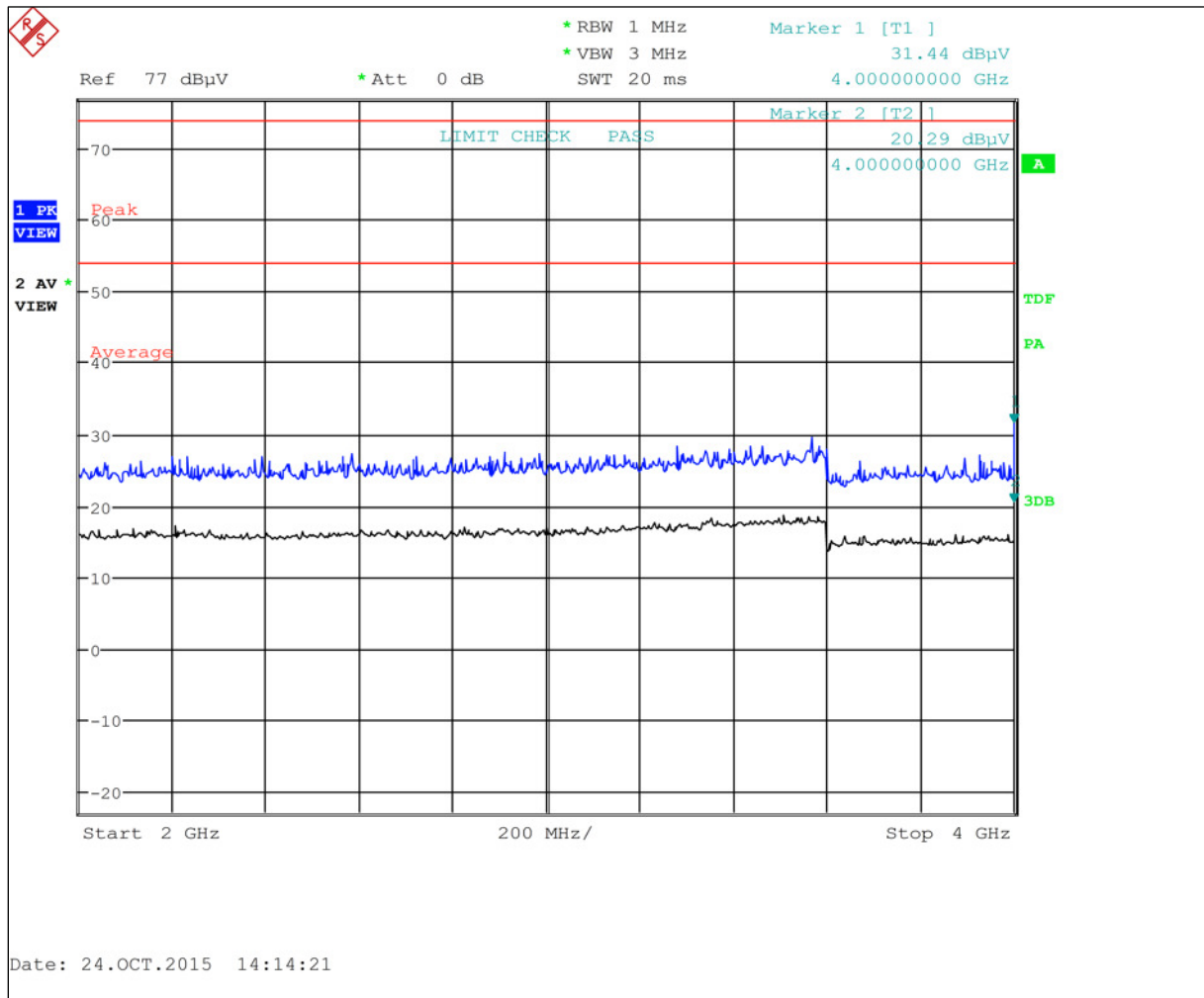
Plot 6-197: Radiated Emissions 1 GHz – 2 GHz Horizontal Peak/Average



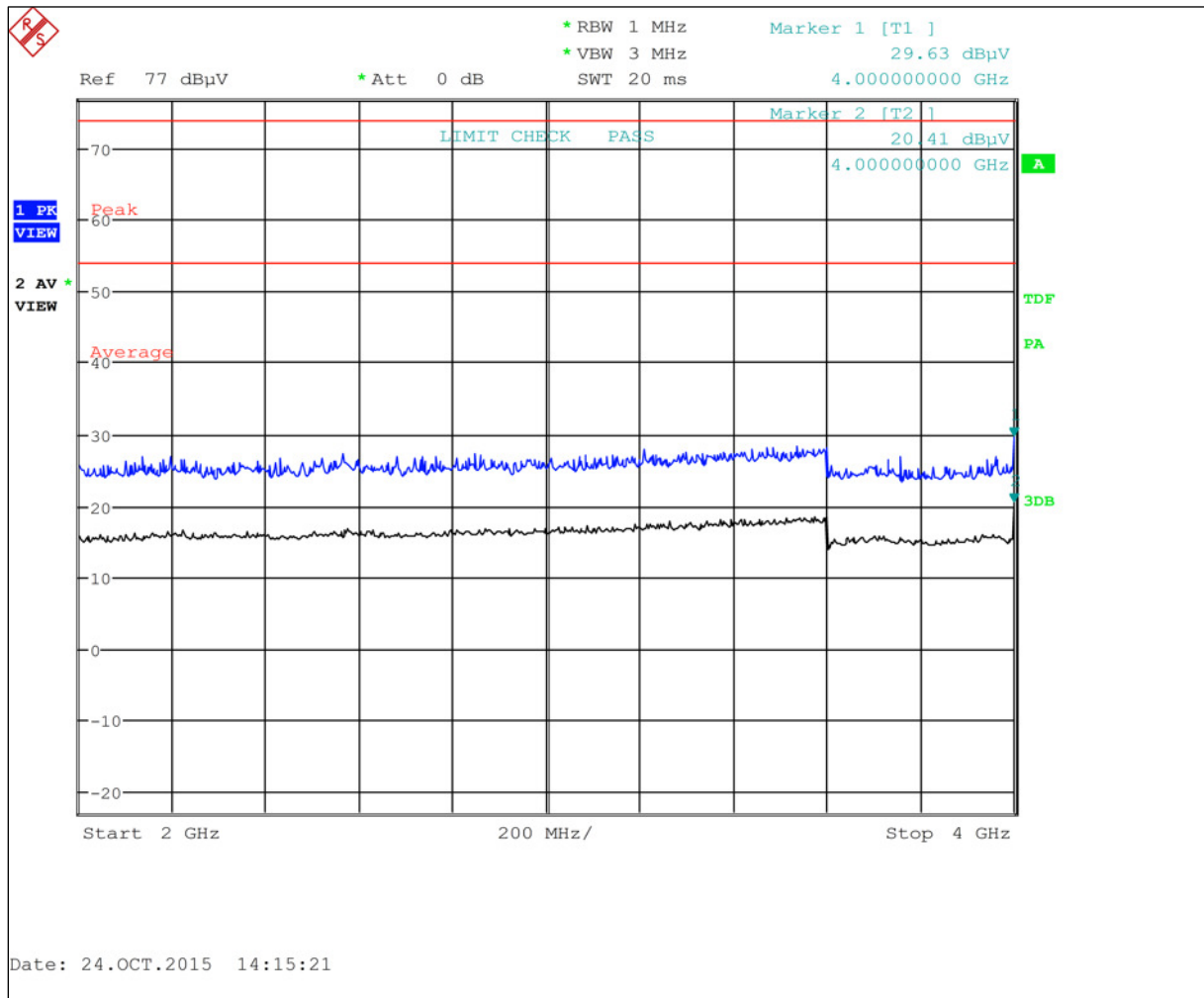
Plot 6-198: Radiated Emissions 1 GHz – 2 GHz Vertical Peak/Average



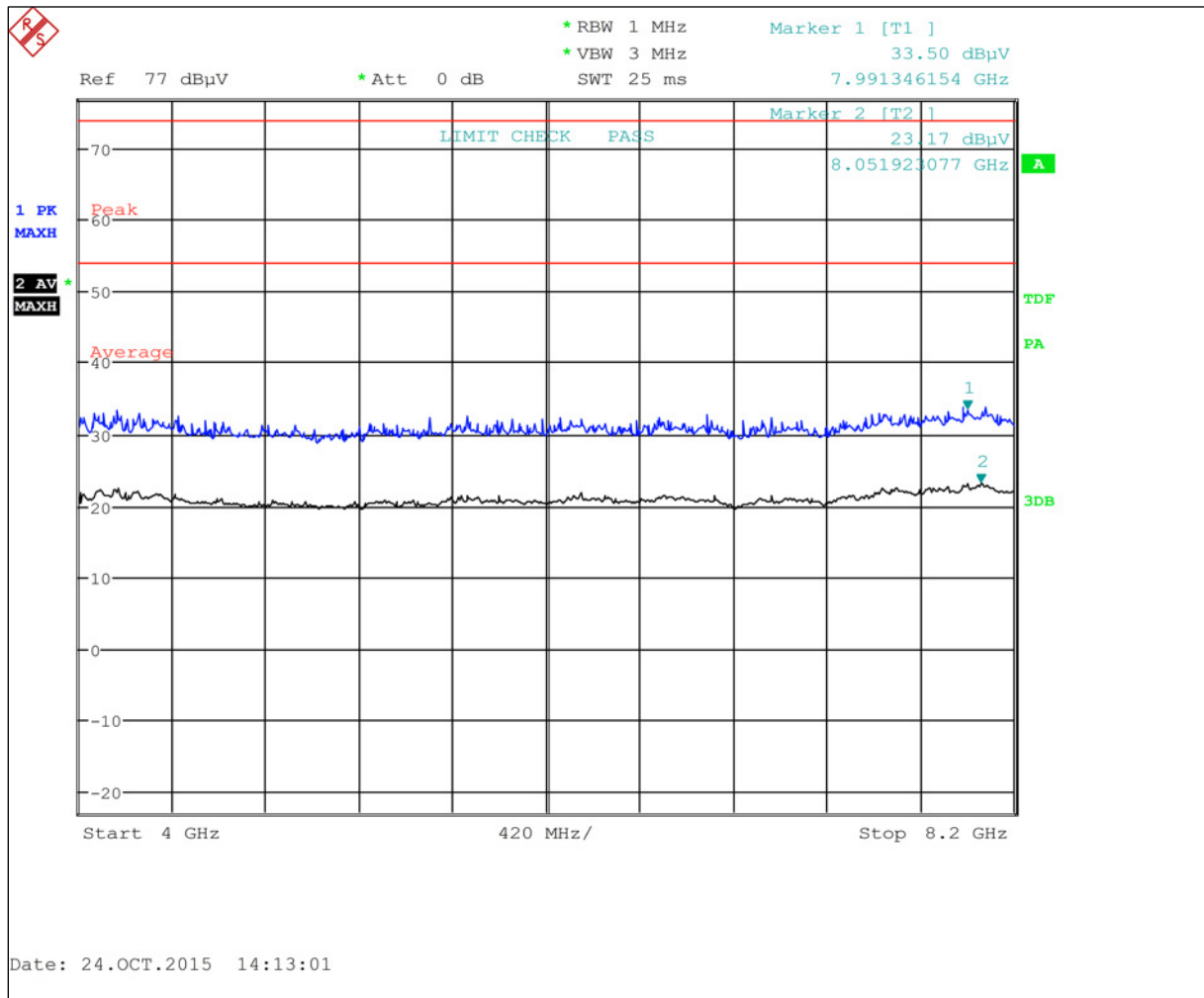
Plot 6-199: Radiated Emissions 2 GHz – 4 GHz Horizontal Peak/Average



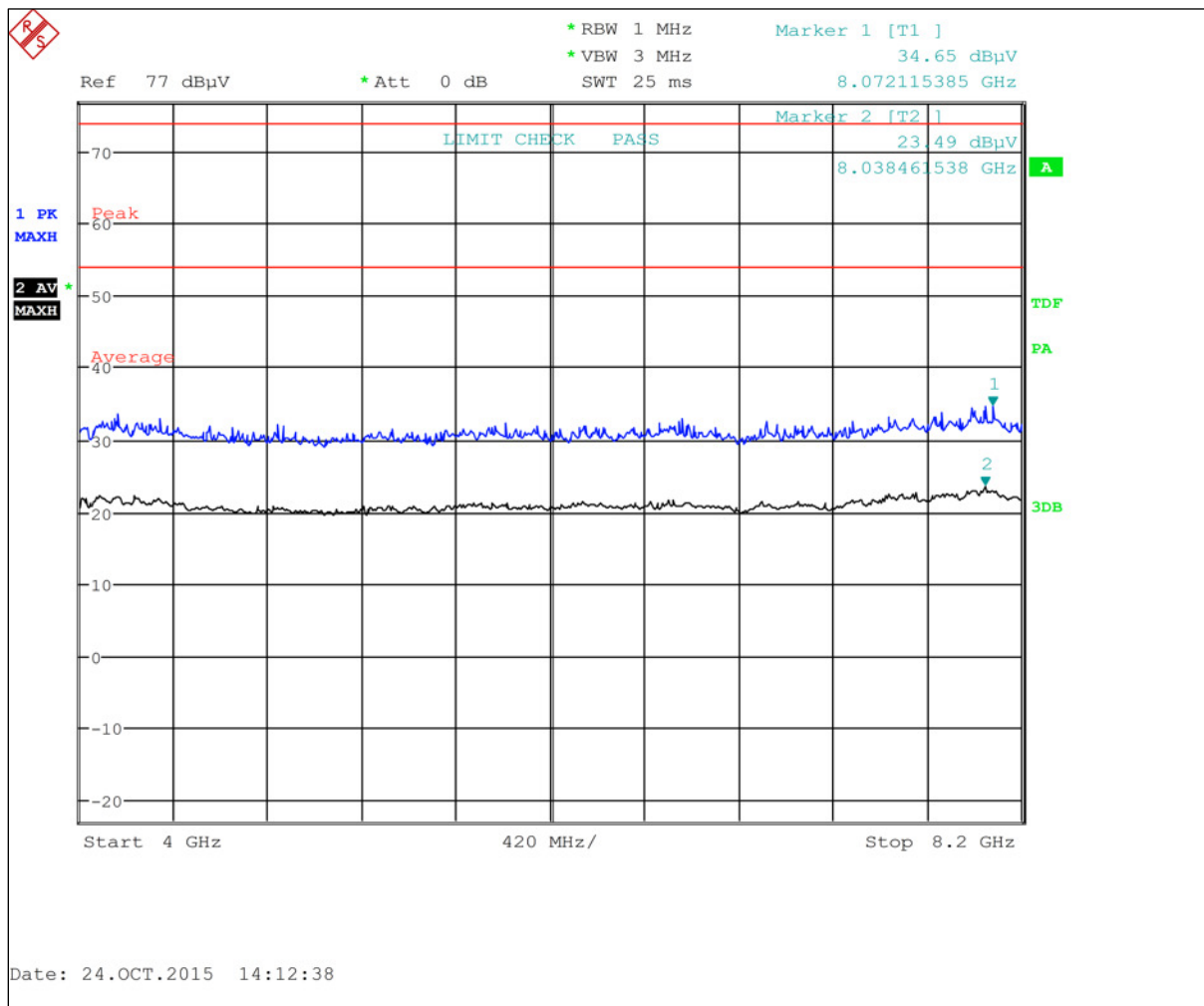
Plot 6-200: Radiated Emissions 2 GHz – 4 GHz Vertical Peak/Average



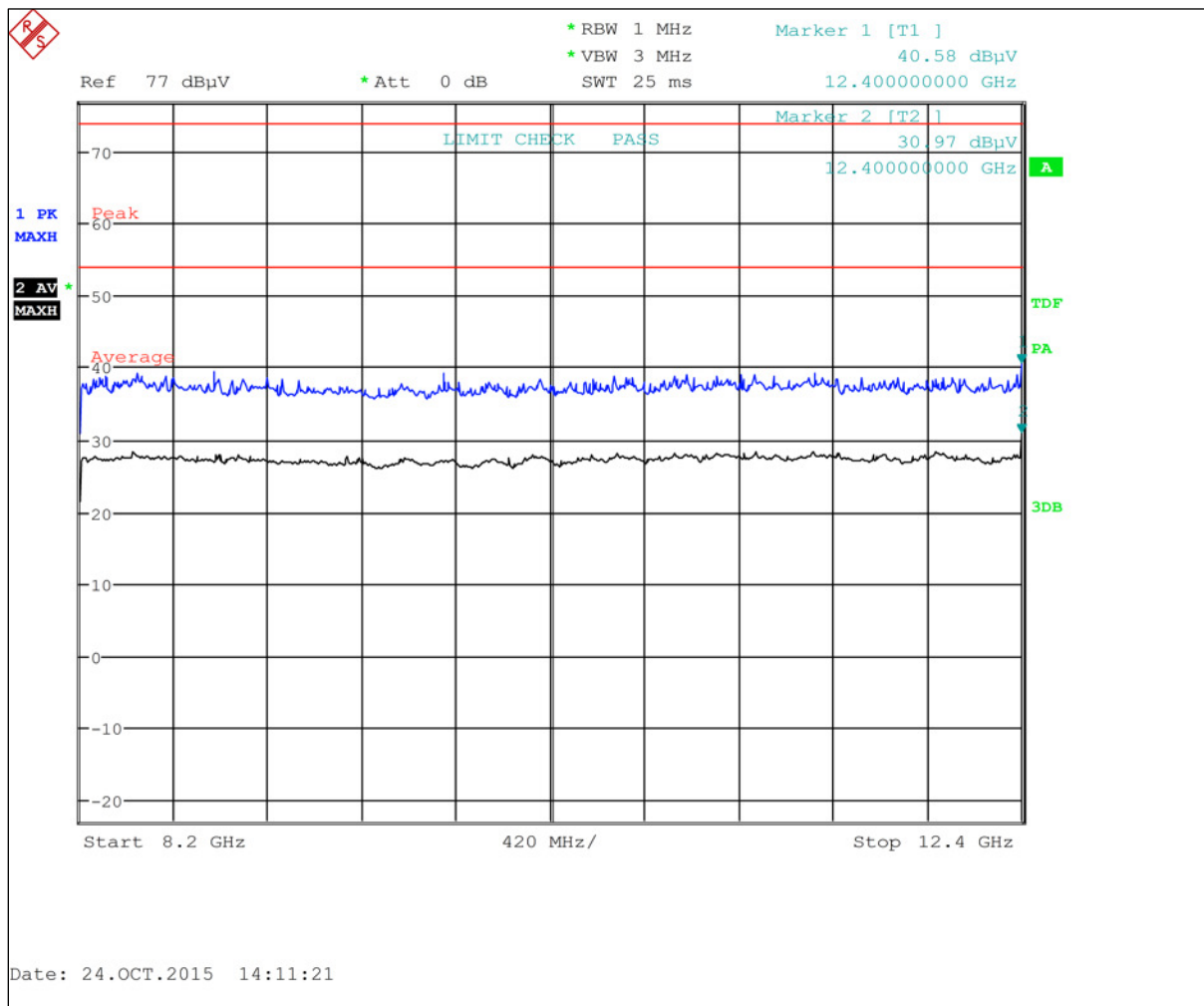
Plot 6-201: Radiated Emissions 4 GHz – 8 GHz Horizontal Peak/Average



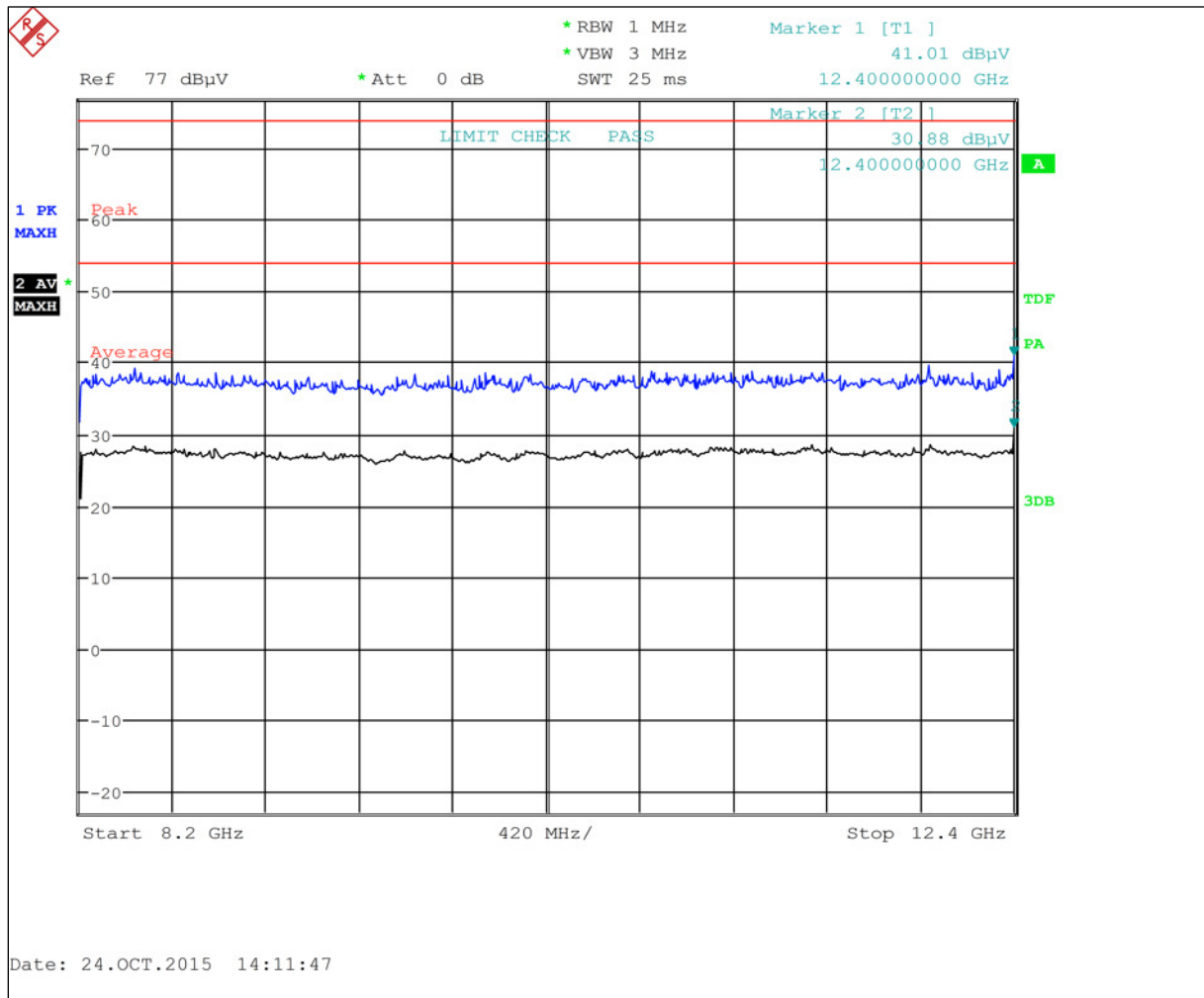
Plot 6-202: Radiated Emissions 4 GHz – 8 GHz Vertical Peak/Average



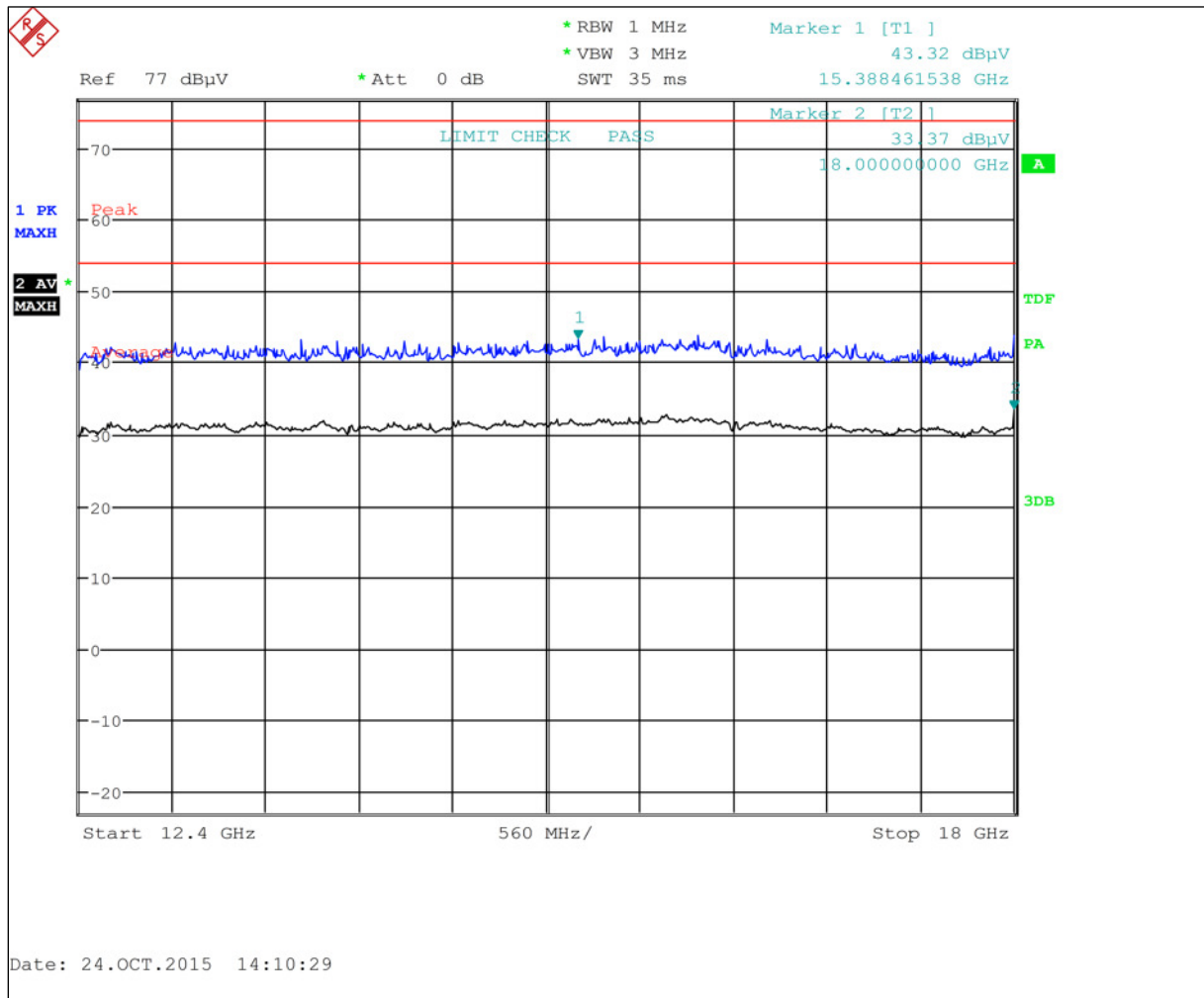
Plot 6-203: Radiated Emissions 8 GHz – 12 GHz Horizontal Peak/Average



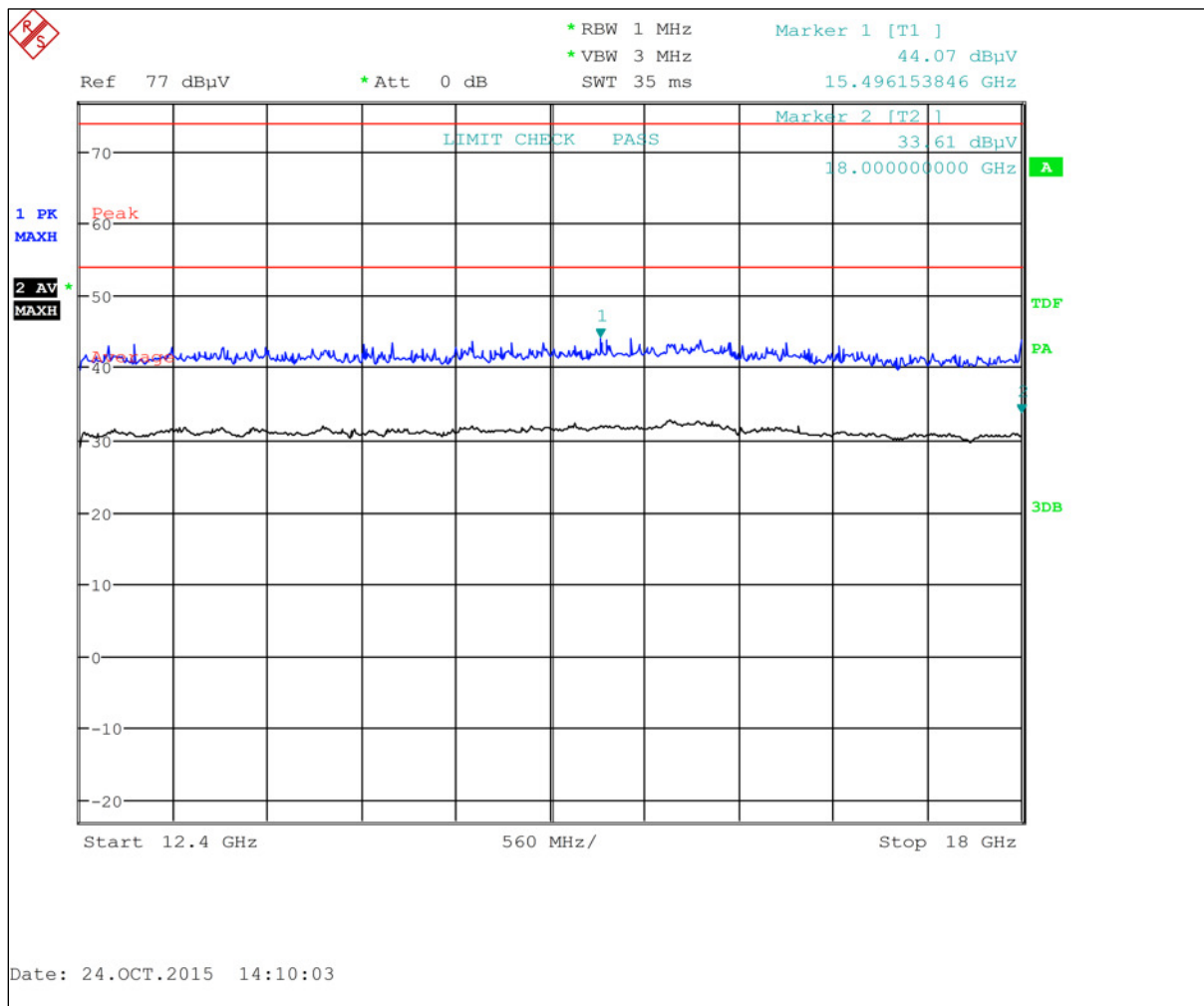
Plot 6-204: Radiated Emissions 8 GHz – 12 GHz Vertical Peak/Average



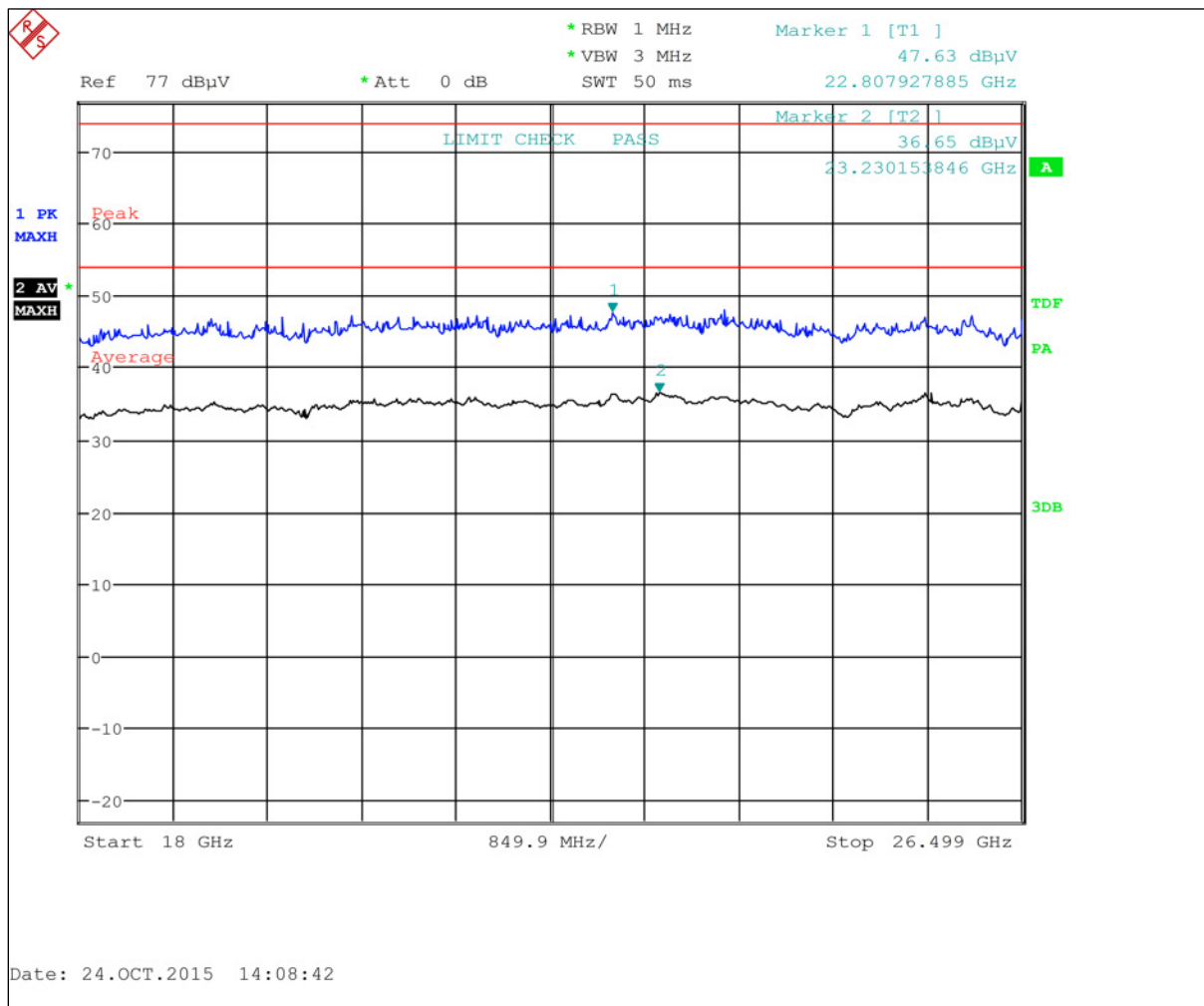
Plot 6-205: Radiated Emissions 12 GHz – 18 GHz Horizontal Peak/Average



Plot 6-206: Radiated Emissions 12 GHz – 18 GHz Vertical Peak/Average



Plot 6-207: Radiated Emissions 18 GHz – 26 GHz Horizontal Peak/Average



Plot 6-208: Radiated Emissions 18 GHz – 26 GHz Vertical Peak/Average

