

6.3.2.4 Radiated Emissions Carrier Test Data - TC#2 Concrete Container

Plot 6-209: Radiated Emissions of Carrier - TC #2 Concrete Container

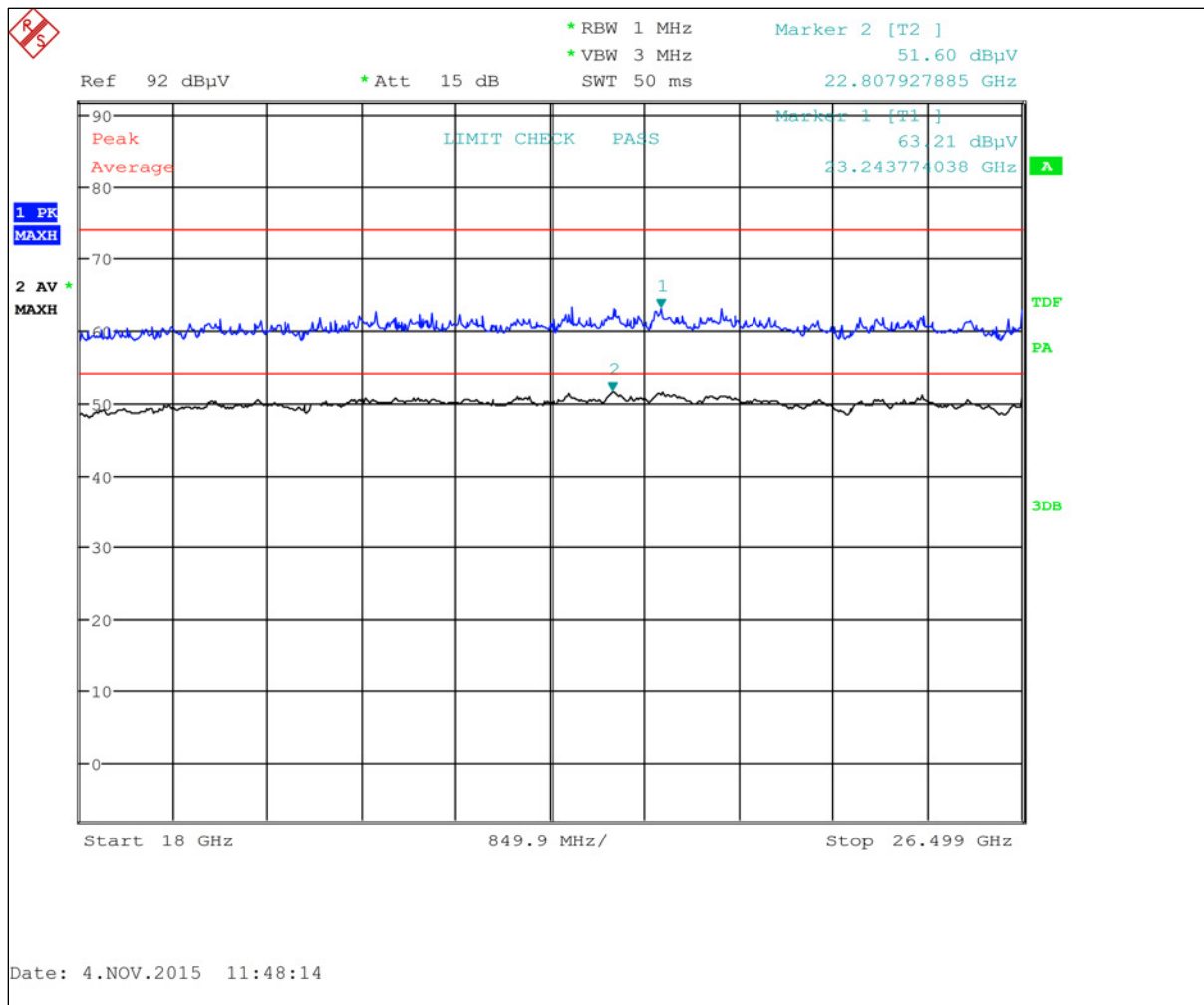
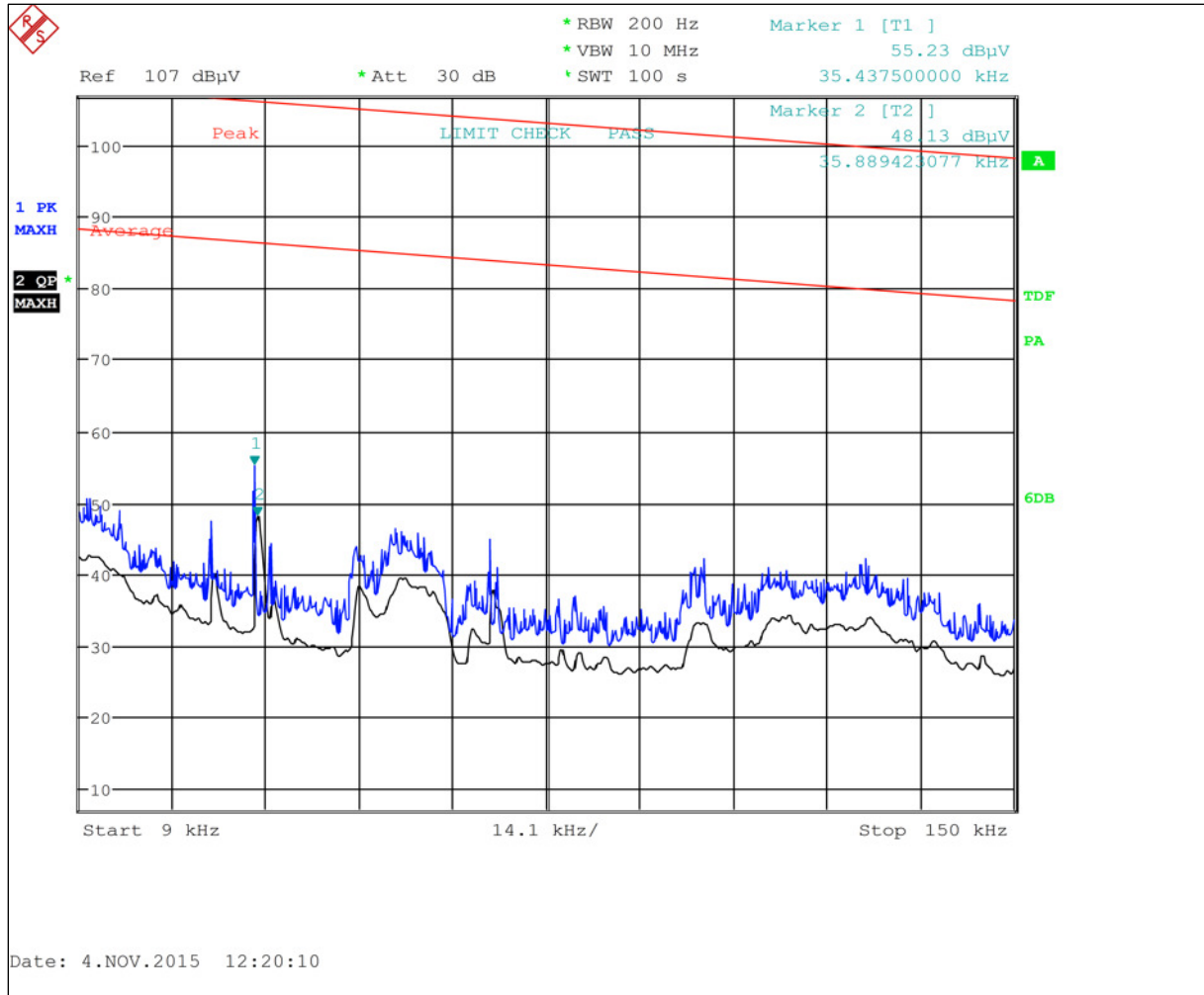


Table 6-11: Radiated Emissions of Carrier – TC #2 Concrete Container

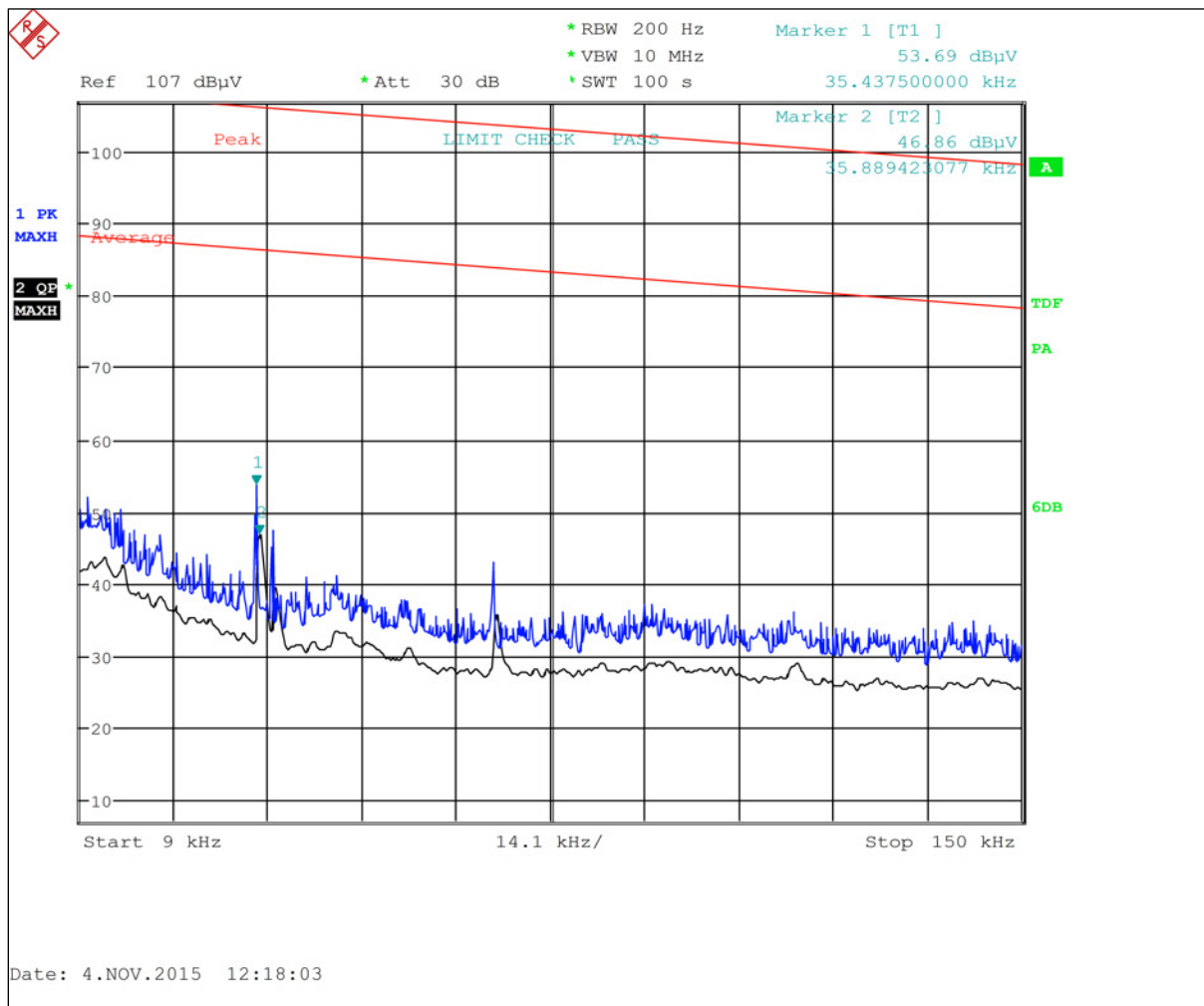
Frequency (GHz)	Detector	Test Antenna Pol	Corrected Spectrum Analyzer Level (dBμV/m)	FCC Limit (dBμV)	Margin (dB)	Corrected Spectrum Analyzer Level (dBm/MHz)	IC Limit (dBm/MHz)	Margin (dBm)
23.2437	Peak	H	63.2	74.0	-10.8	NA		
22.8079	Average	H	51.6	54.0	-2.4	-43.6	-41.3	2.3

6.3.2.5 Radiated Emissions Below 1 GHz Test Data – TC#2 Concrete Container

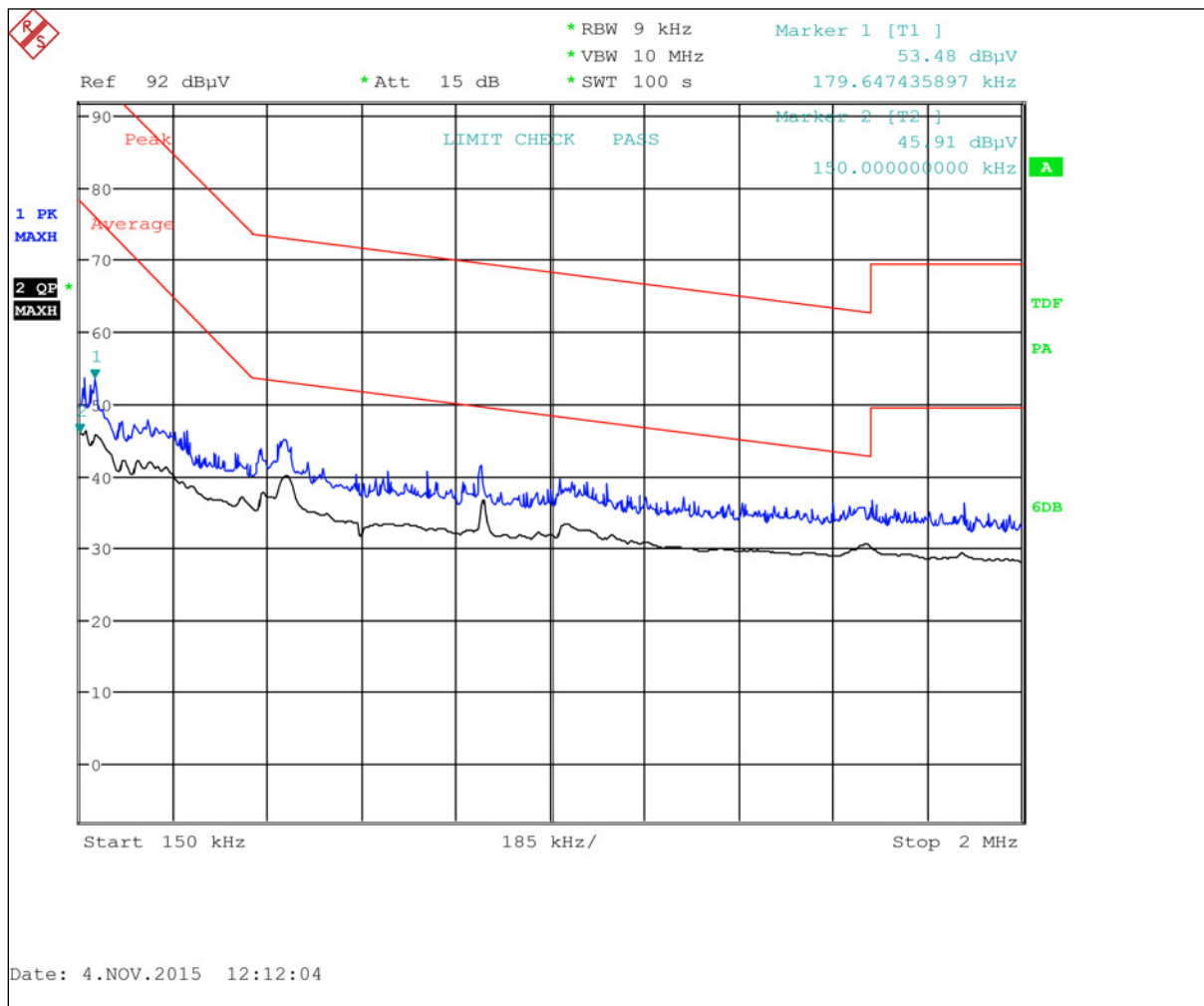
Plot 6-210: Radiated Emissions Transmit – 9 kHz – 150 kHz Horizontal Peak/Average



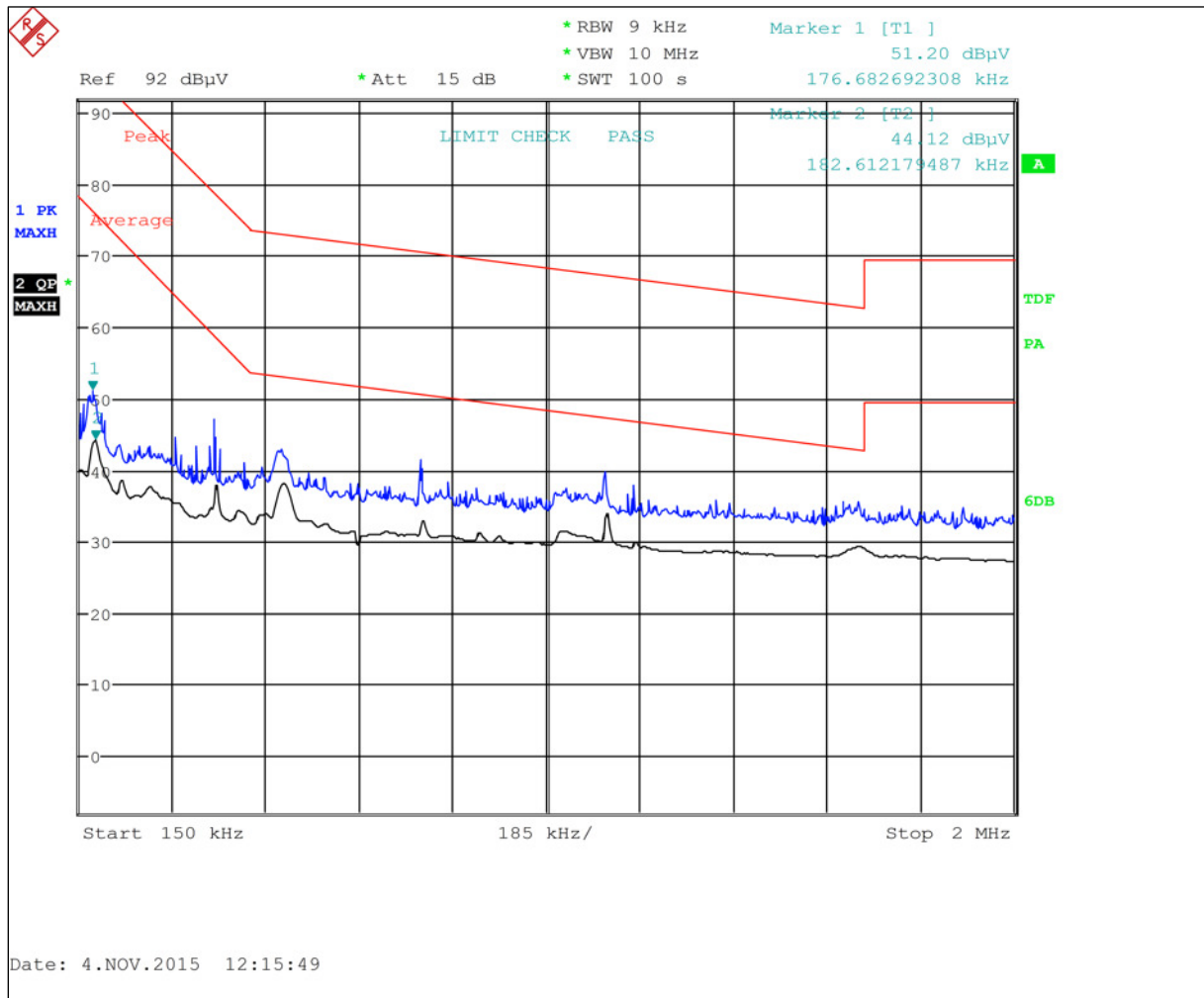
Plot 6-211: Radiated Emissions Transmit – 9 kHz – 150 kHz Vertical Peak/Average



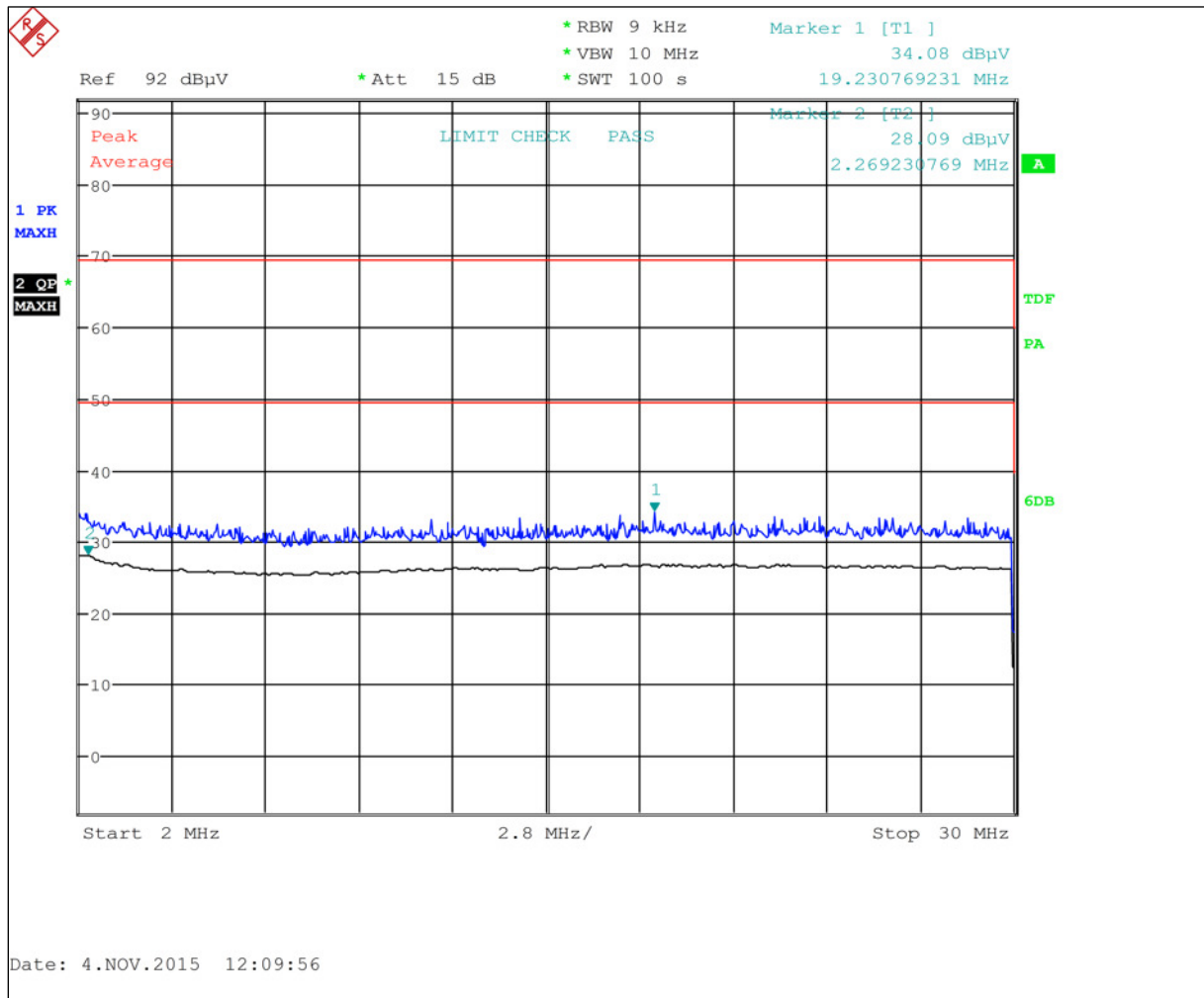
Plot 6-212: Radiated Emissions Transmit – 150 kHz – 2 MHz Horizontal Peak/Average



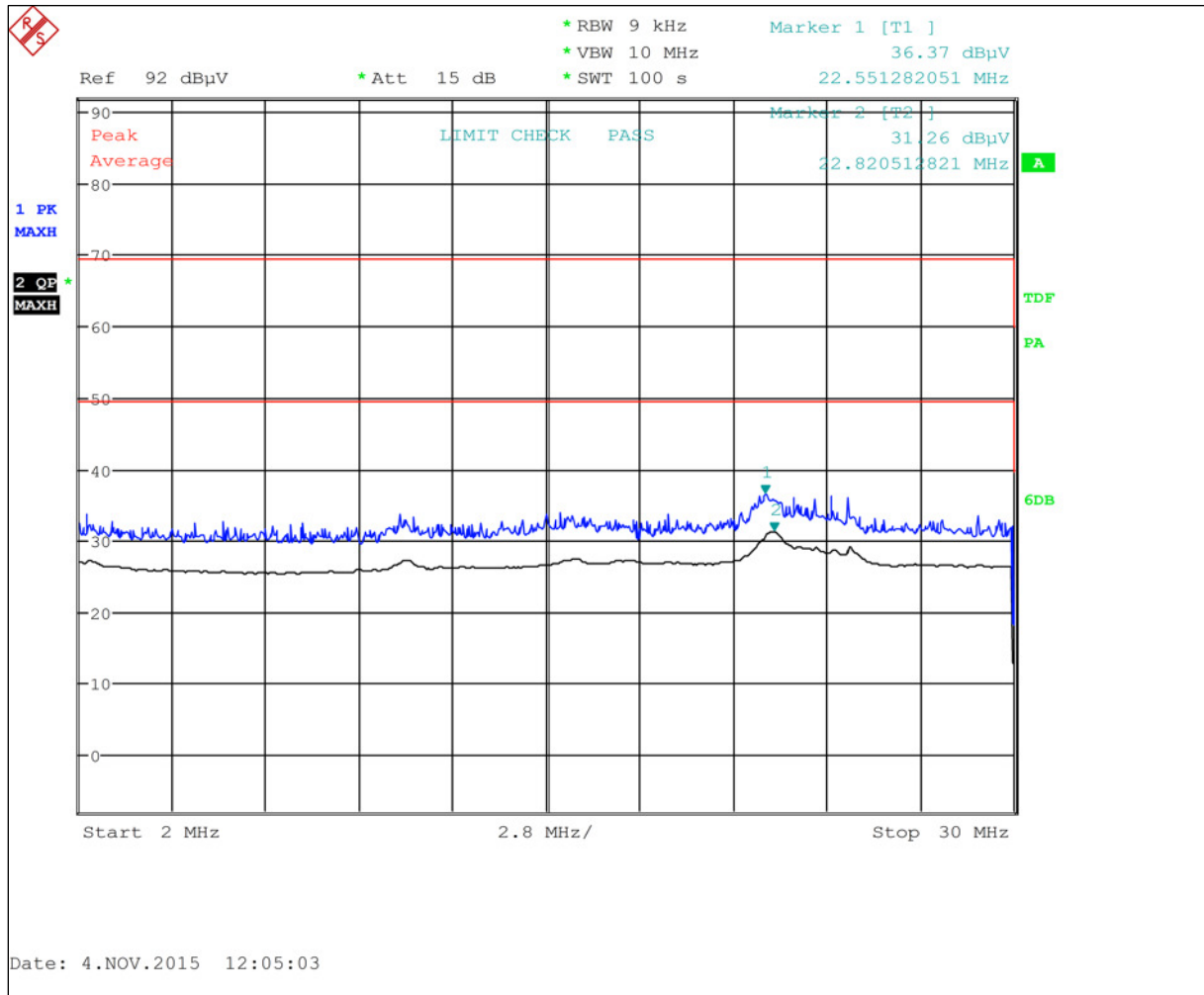
Plot 6-213: Radiated Emissions Transmit – 150 kHz – 2 MHz Vertical Peak/Average



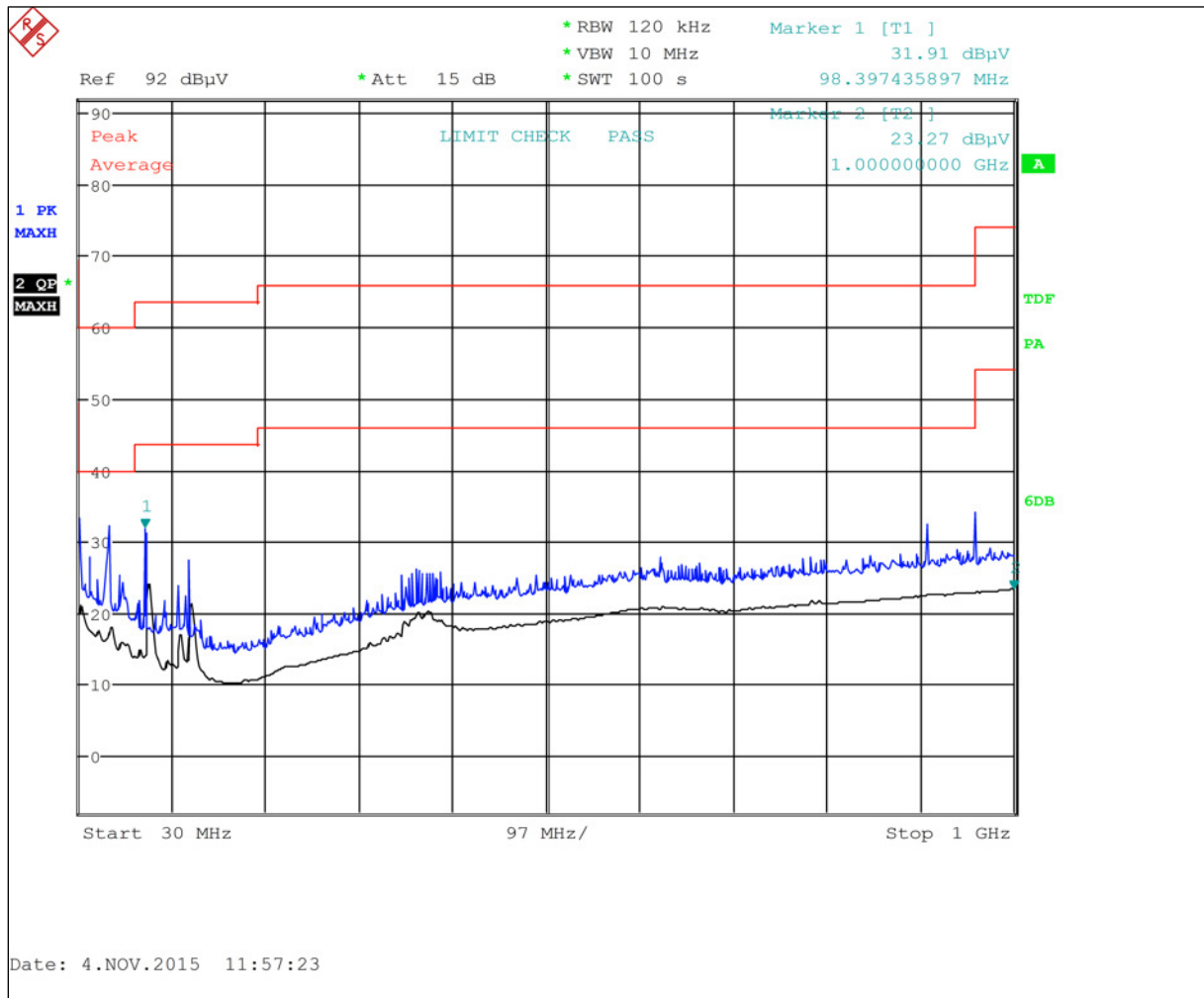
Plot 6-214: Radiated Emissions Transmit – 2 MHz – 30 MHz Horizontal Peak/Average



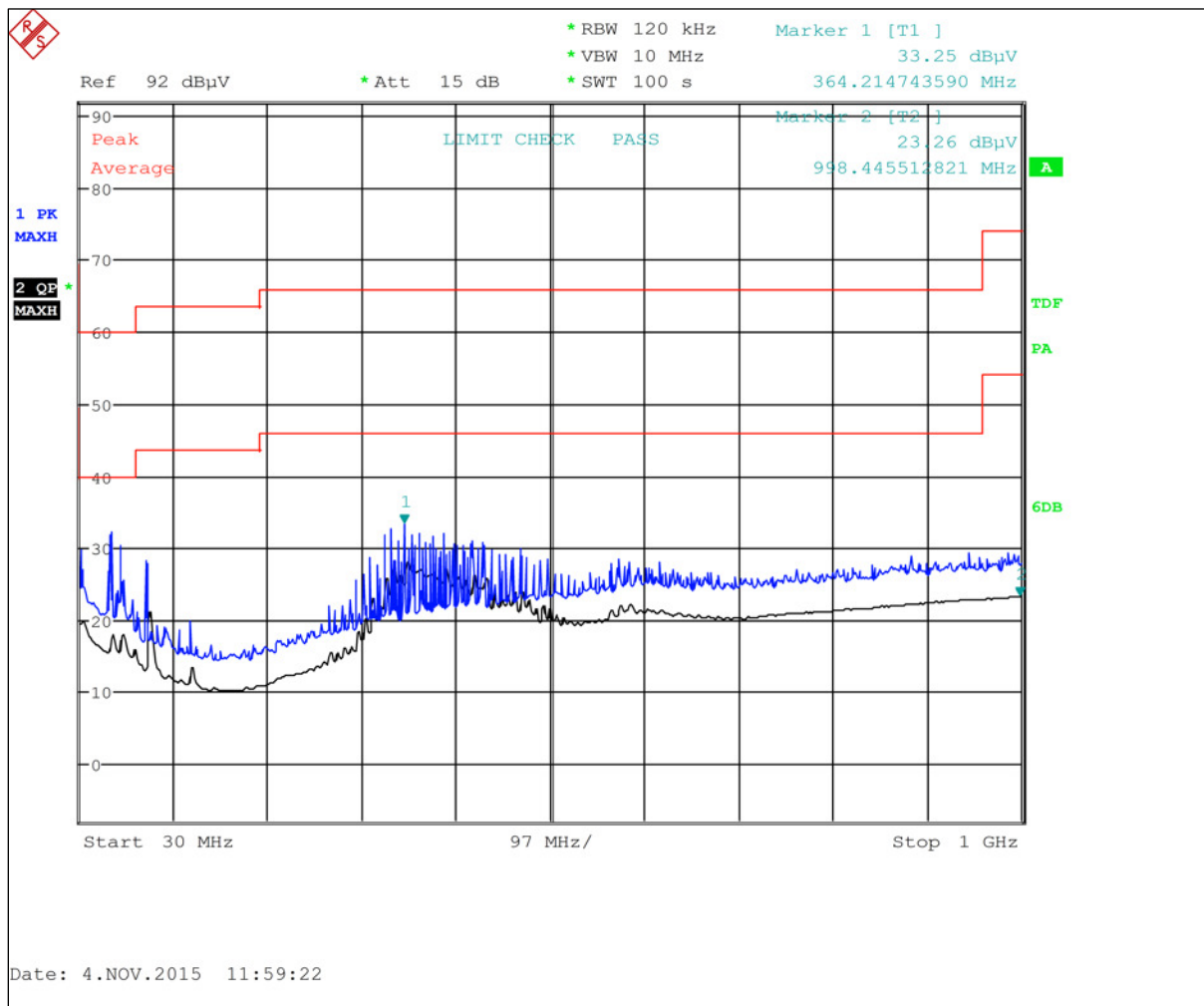
Plot 6-215: Radiated Emissions Transmit – 2 MHz – 30 MHz Vertical Peak/Average



Plot 6-216: Radiated Emissions Transmit – 30 MHz – 1 GHz Horizontal Peak/Average



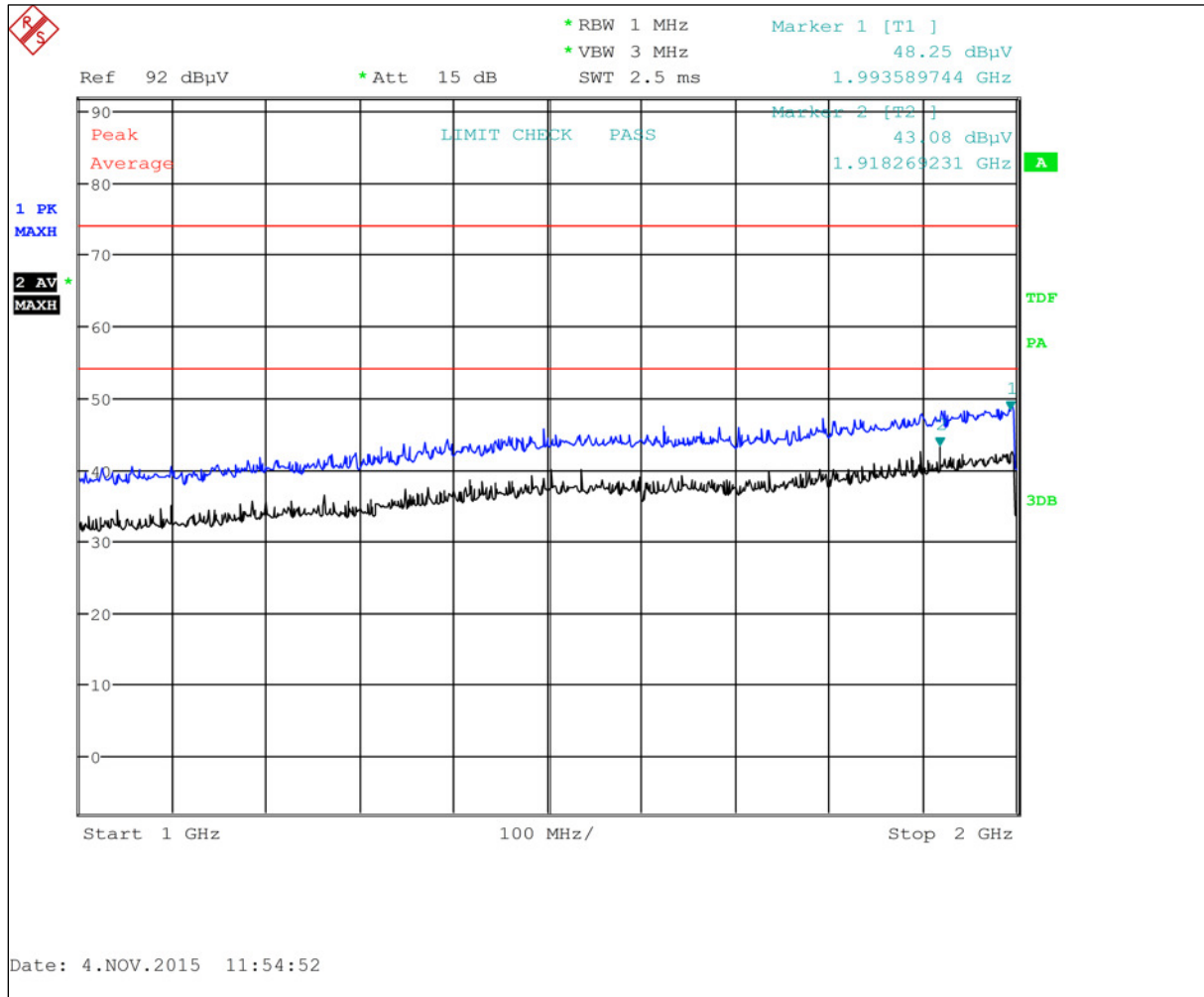
Plot 6-217: Radiated Emissions Transmit – 30 MHz – 1 GHz Vertical Peak/Average



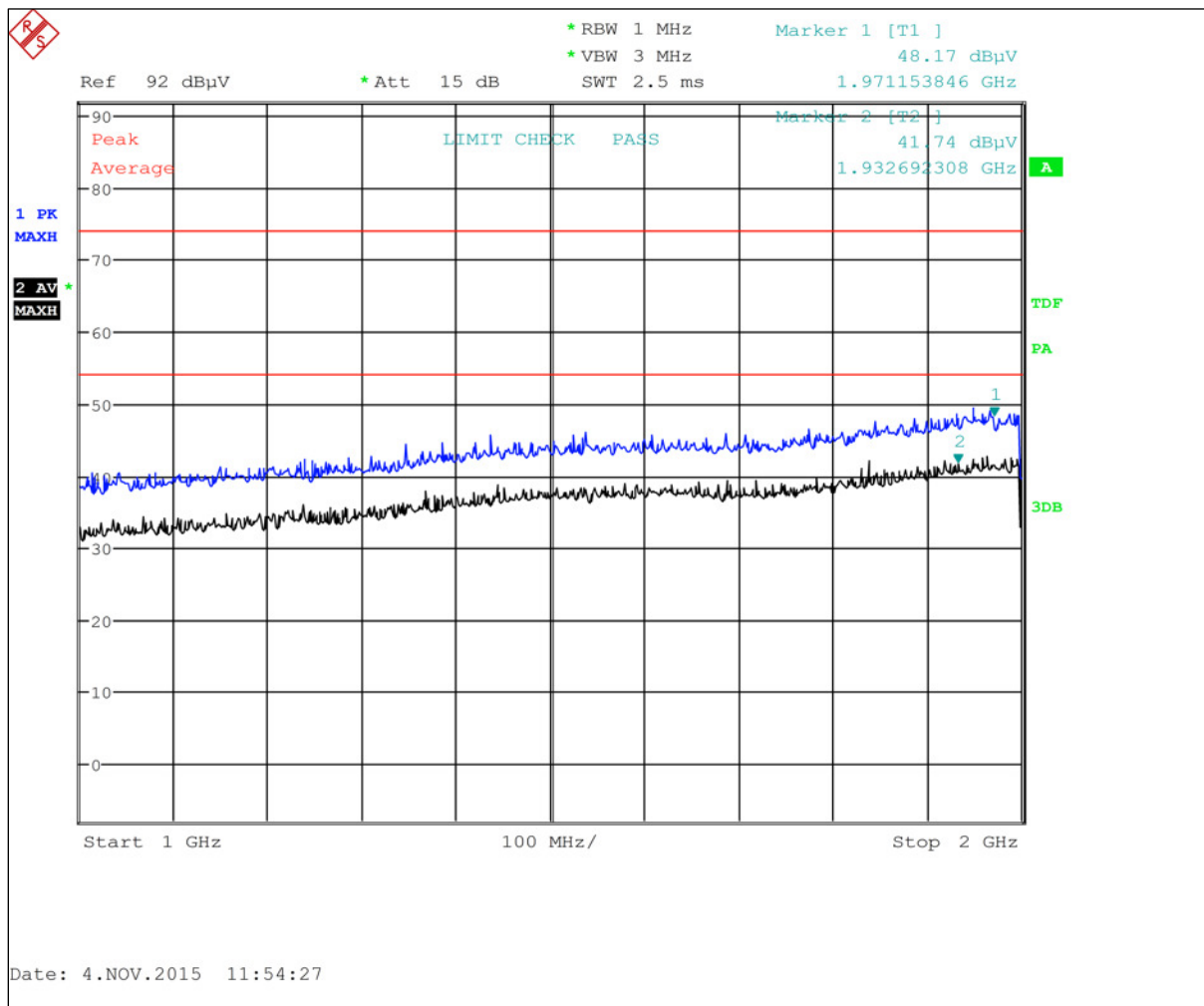
Note: Unwanted emissions were investigated as a digital device (other than harmonics) as required by 15.33(a)(3).

6.3.2.6 Radiated Emissions 1 GHz – 26 GHz Test Data – TC#2 Concrete Container

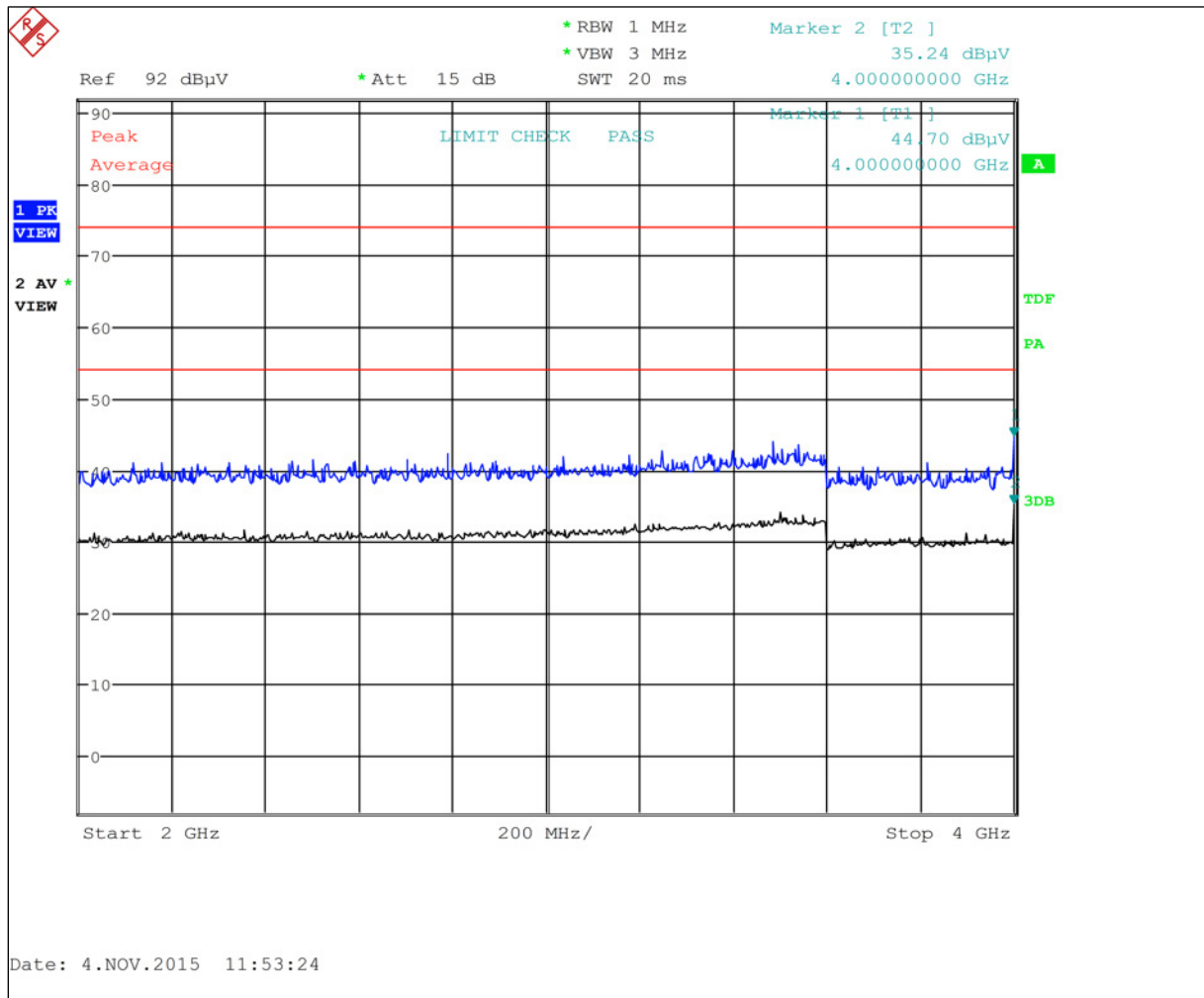
Plot 6-218: Radiated Emissions 1 GHz – 2 GHz Horizontal Peak/Average



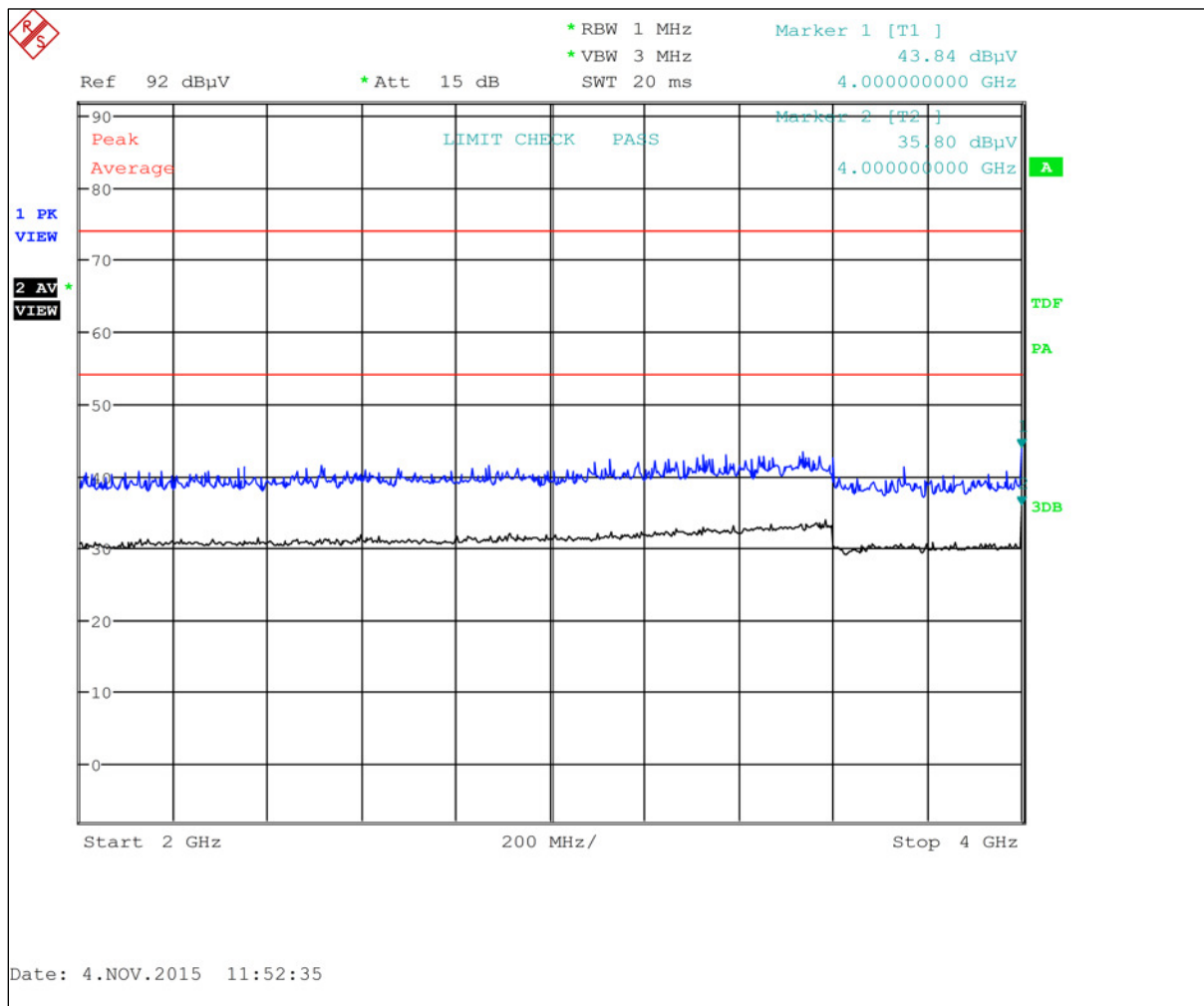
Plot 6-219: Radiated Emissions 1 GHz – 2 GHz Vertical Peak/Average



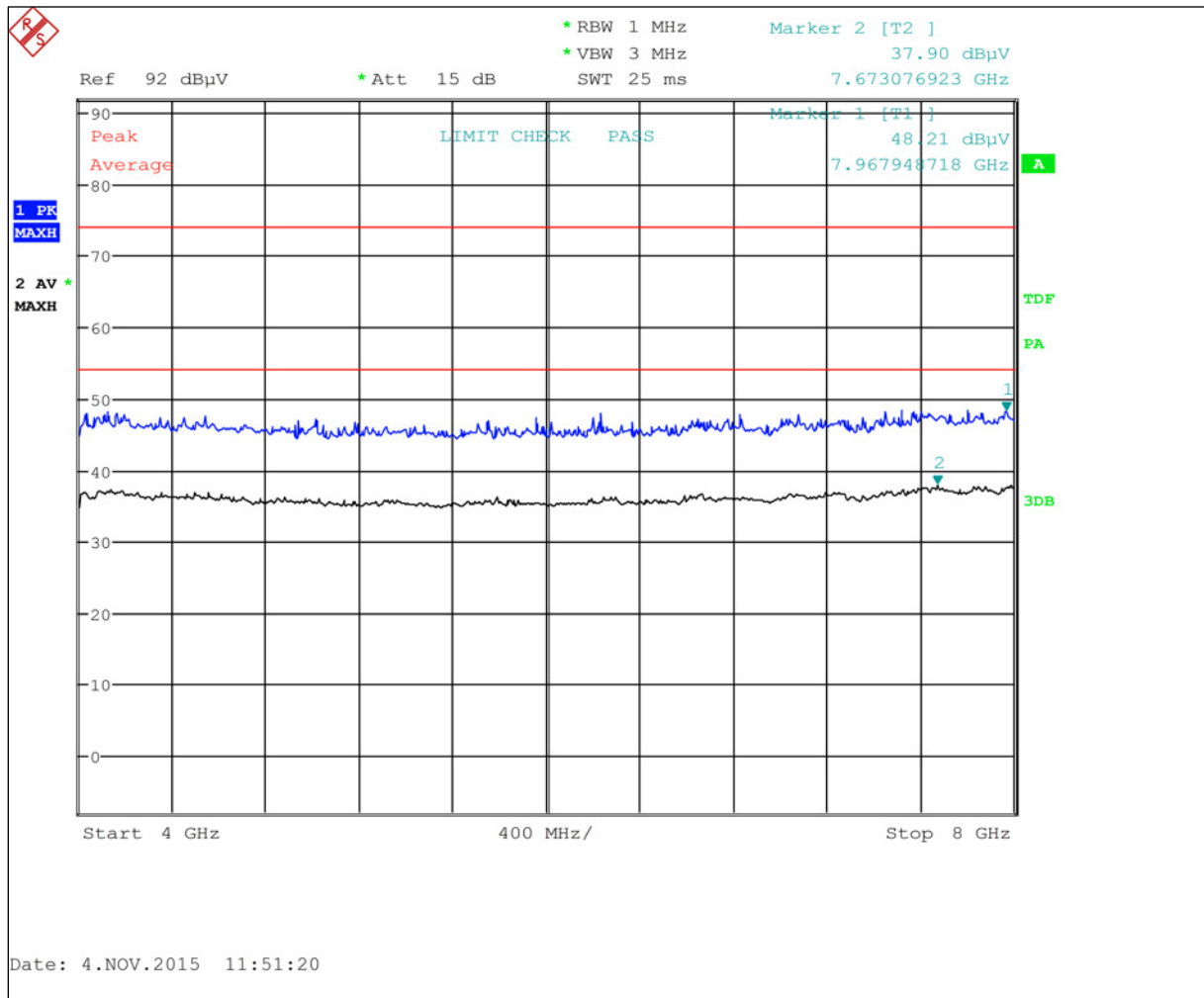
Plot 6-220: Radiated Emissions 2 GHz – 4 GHz Horizontal Peak/Average



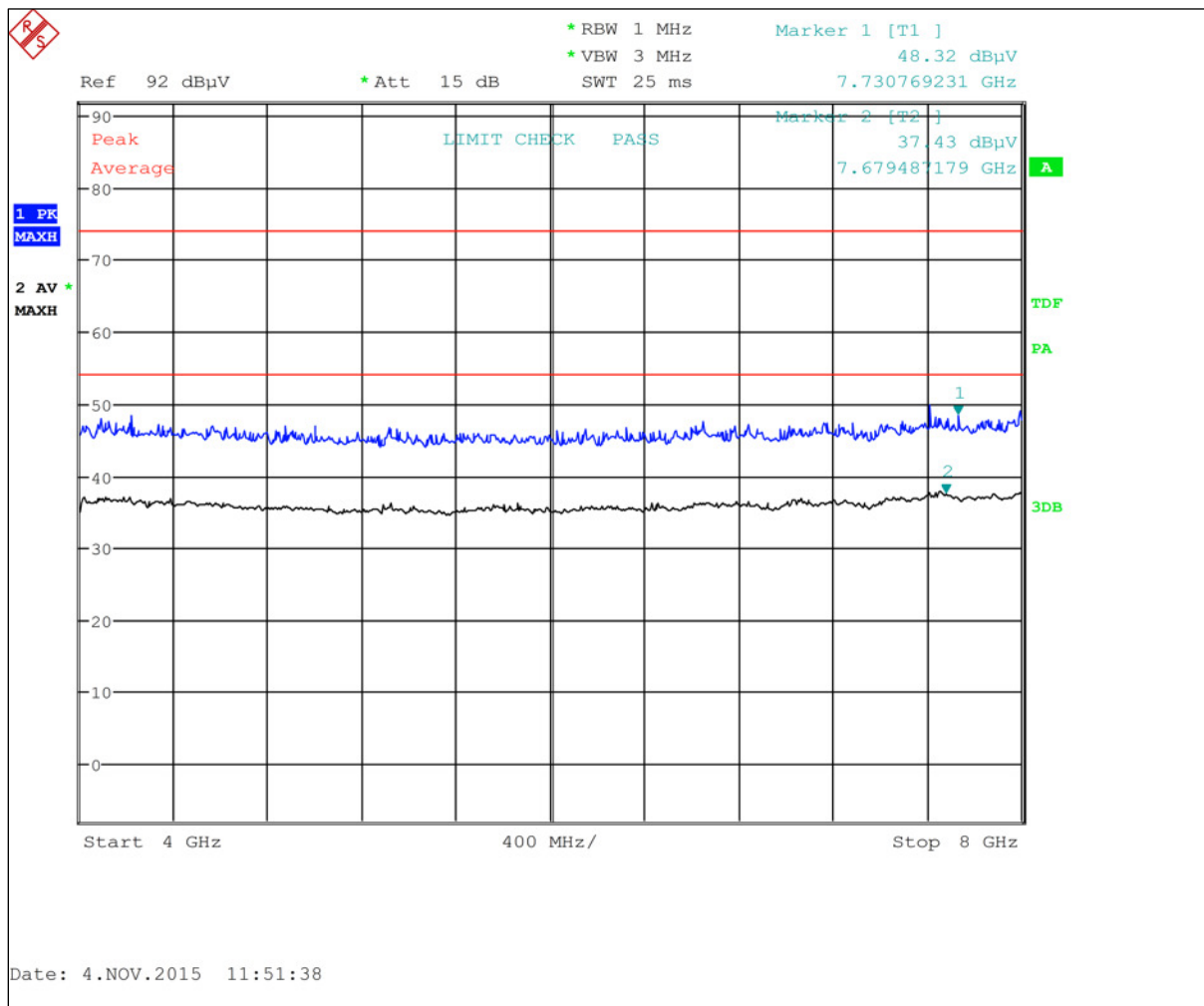
Plot 6-221: Radiated Emissions 2 GHz – 4 GHz Vertical Peak/Average



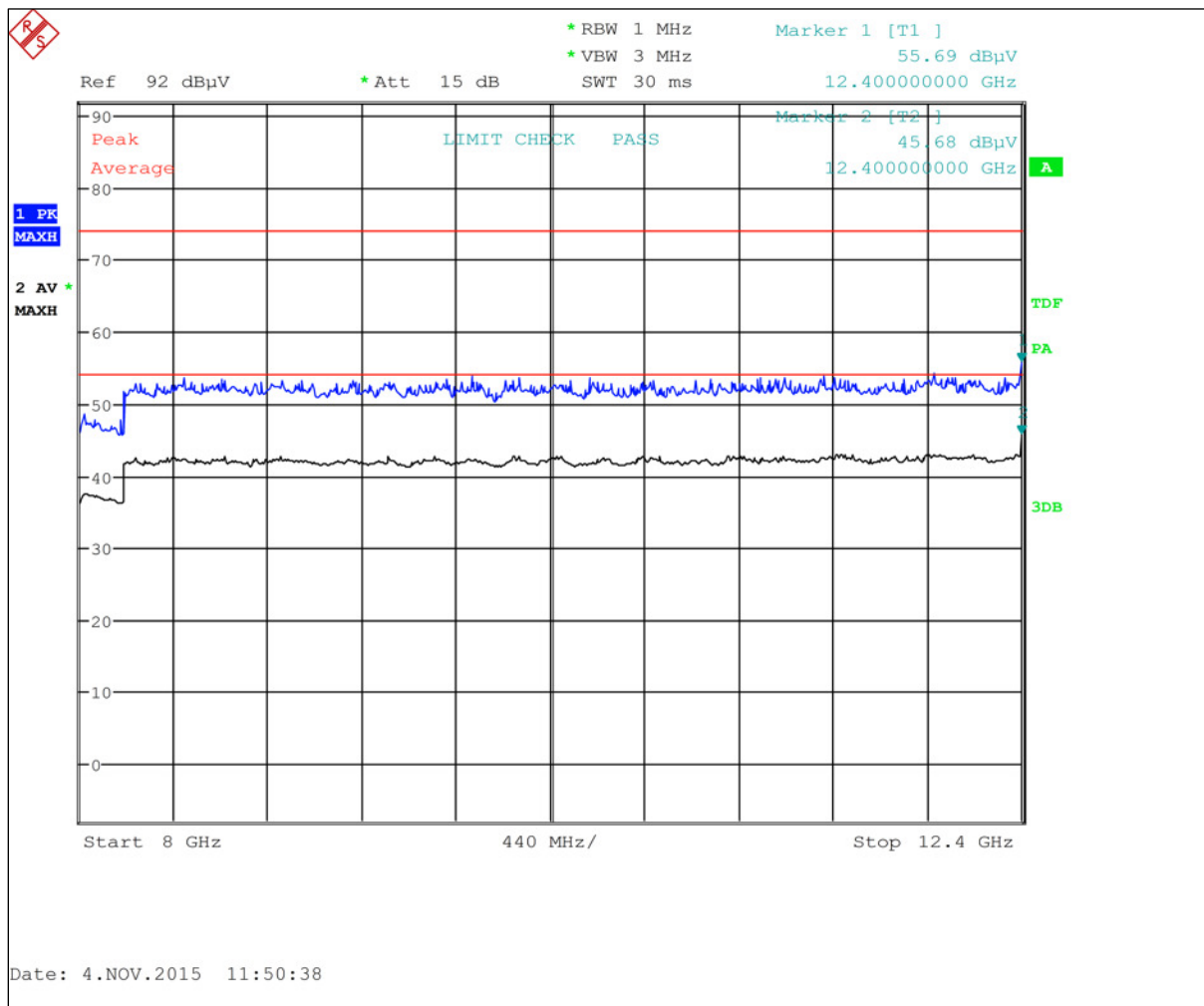
Plot 6-222: Radiated Emissions 4 GHz – 8 GHz Horizontal Peak/Average



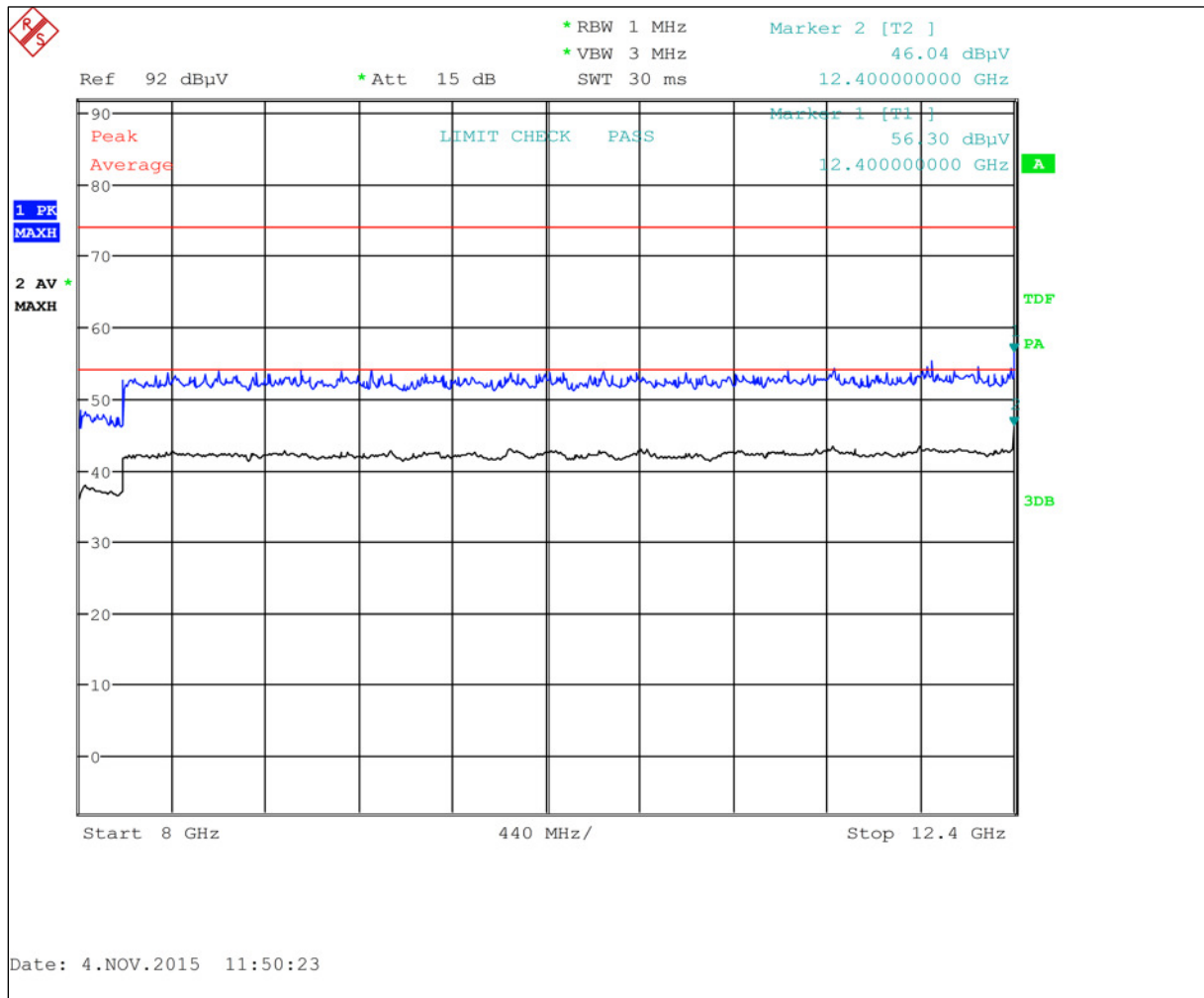
Plot 6-223: Radiated Emissions 4 GHz – 8 GHz Vertical Peak/Average



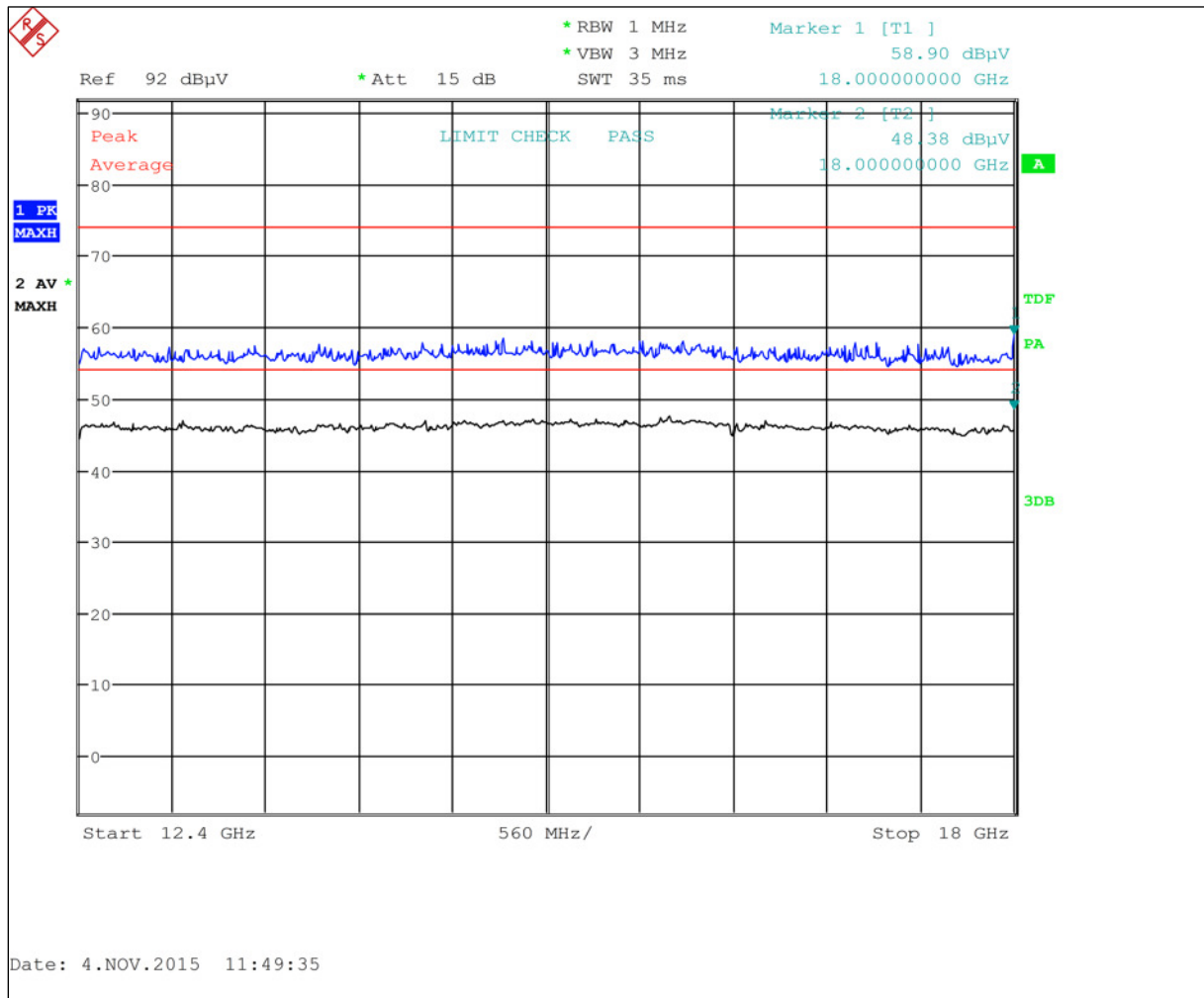
Plot 6-224: Radiated Emissions 8 GHz – 12 GHz Horizontal Peak/Average



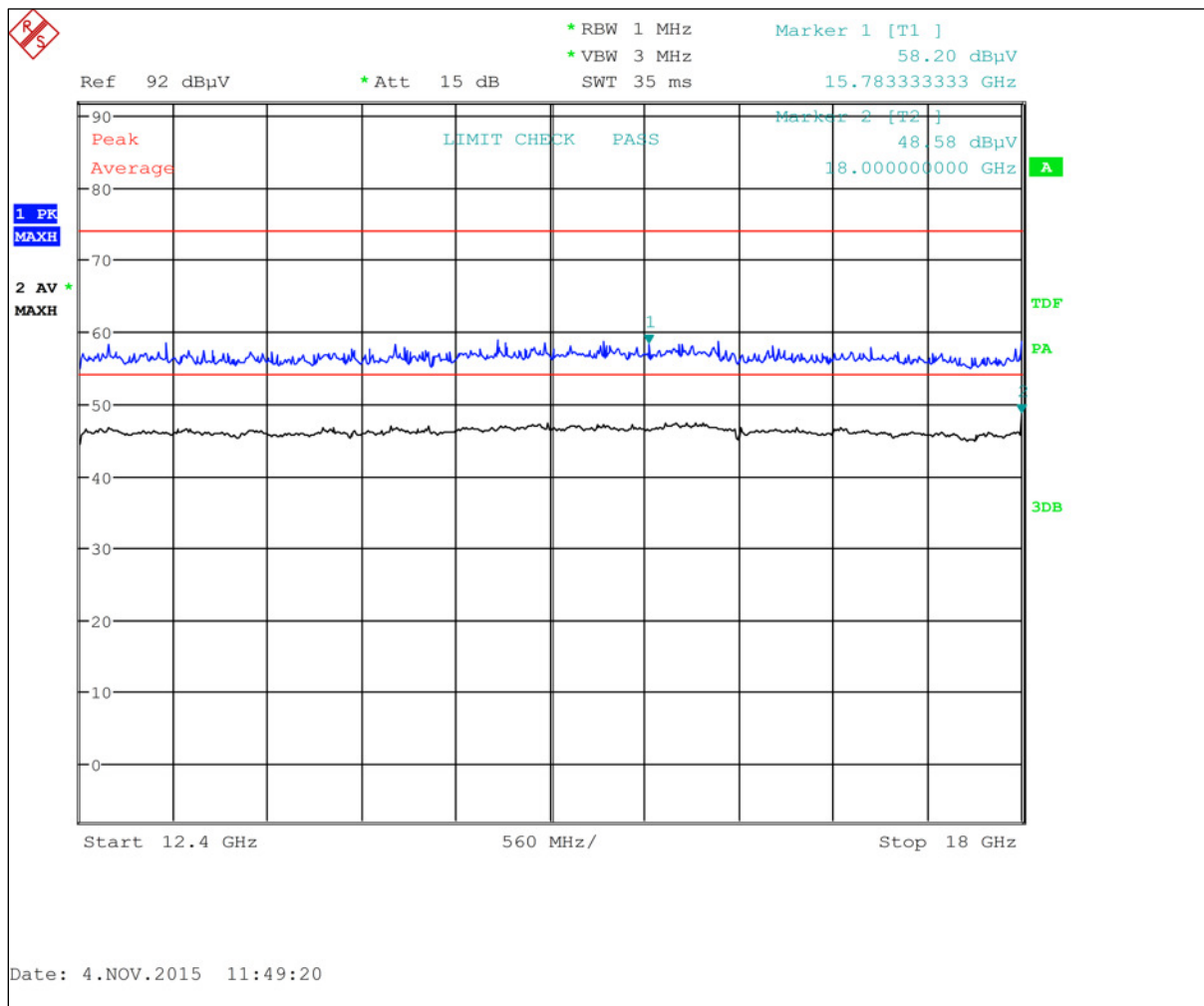
Plot 6-225: Radiated Emissions 8 GHz – 12 GHz Vertical Peak/Average



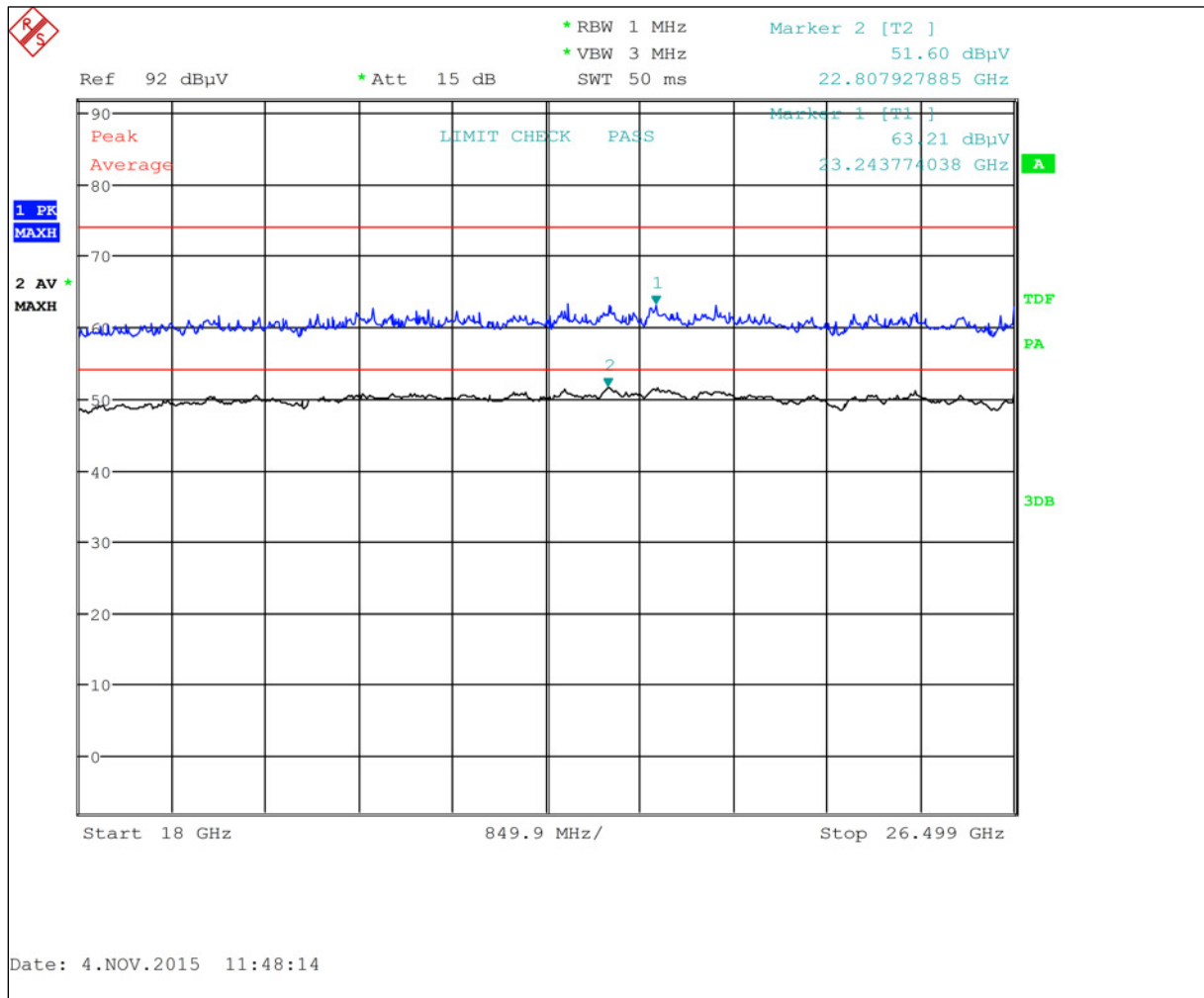
Plot 6-226: Radiated Emissions 12 GHz – 18 GHz Horizontal Peak/Average



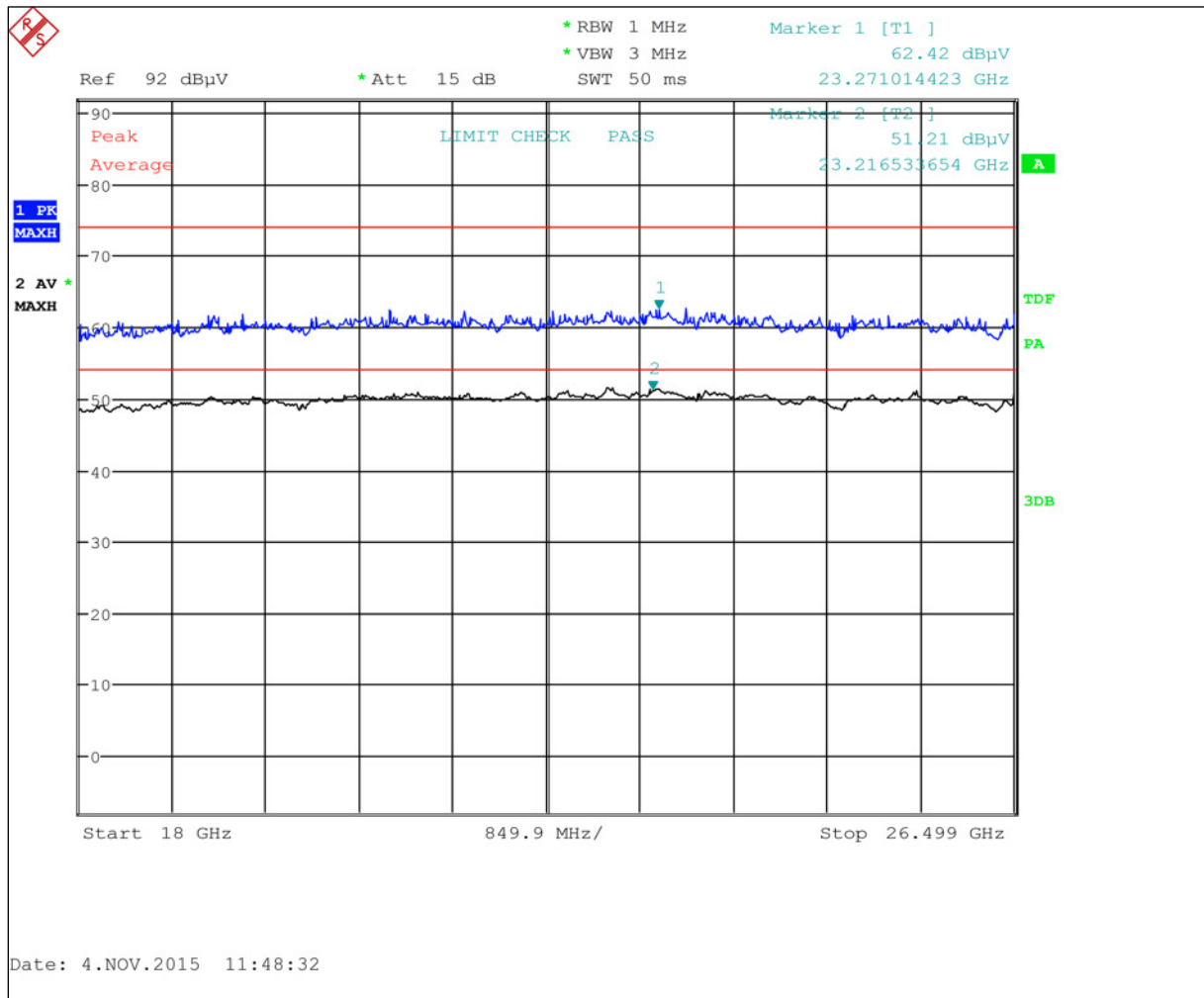
Plot 6-227: Radiated Emissions 12 GHz – 18 GHz Vertical Peak/Average



Plot 6-228: Radiated Emissions 18 GHz – 26 GHz Horizontal Peak/Average



Plot 6-229: Radiated Emissions 18 GHz – 26 GHz Vertical Peak/Average



6.3.2.7 Radiated Emissions Carrier Test Data - TC#3 Concrete Container

Plot 6-230: Radiated Emissions of Carrier - TC #3 Concrete Container

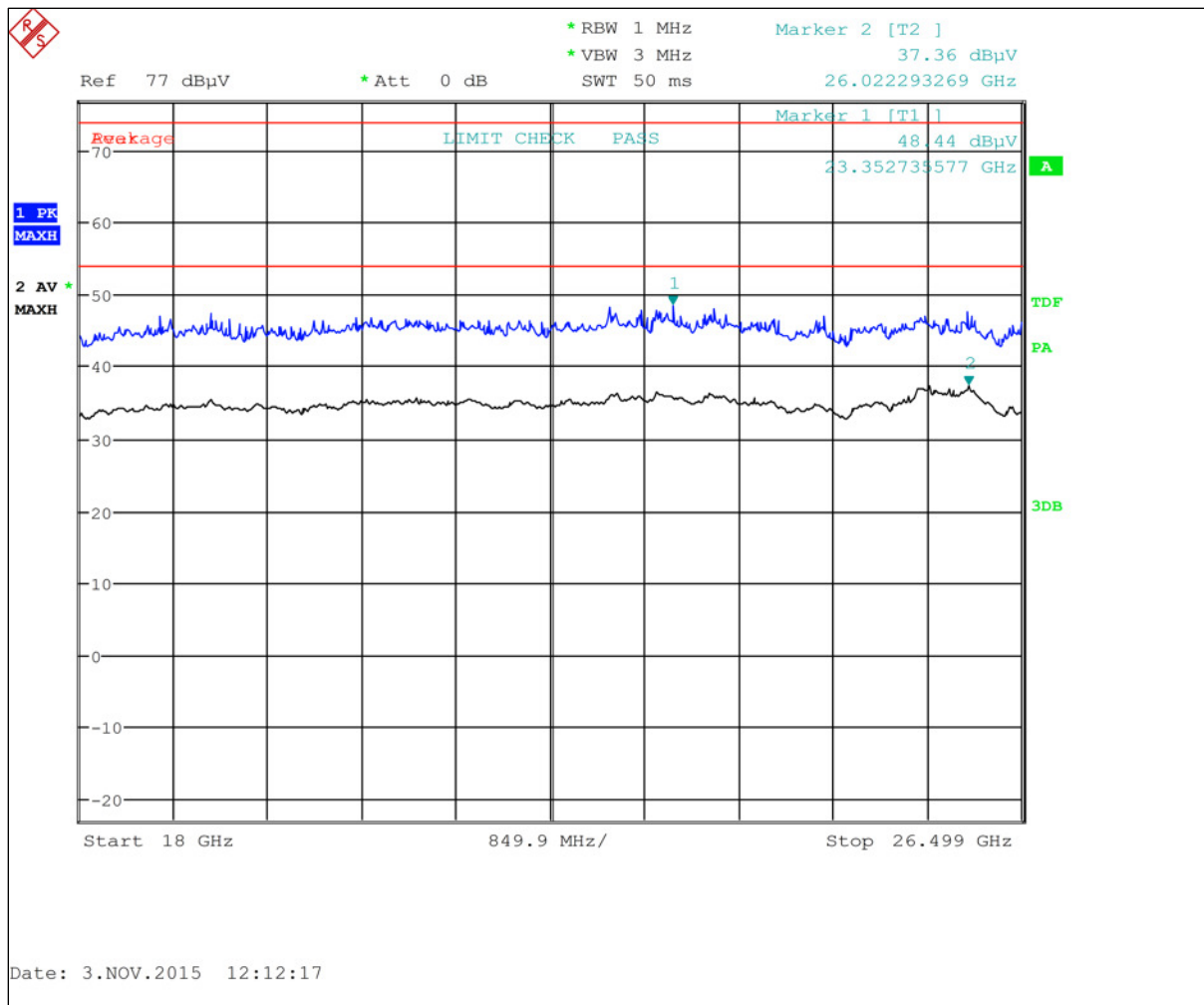
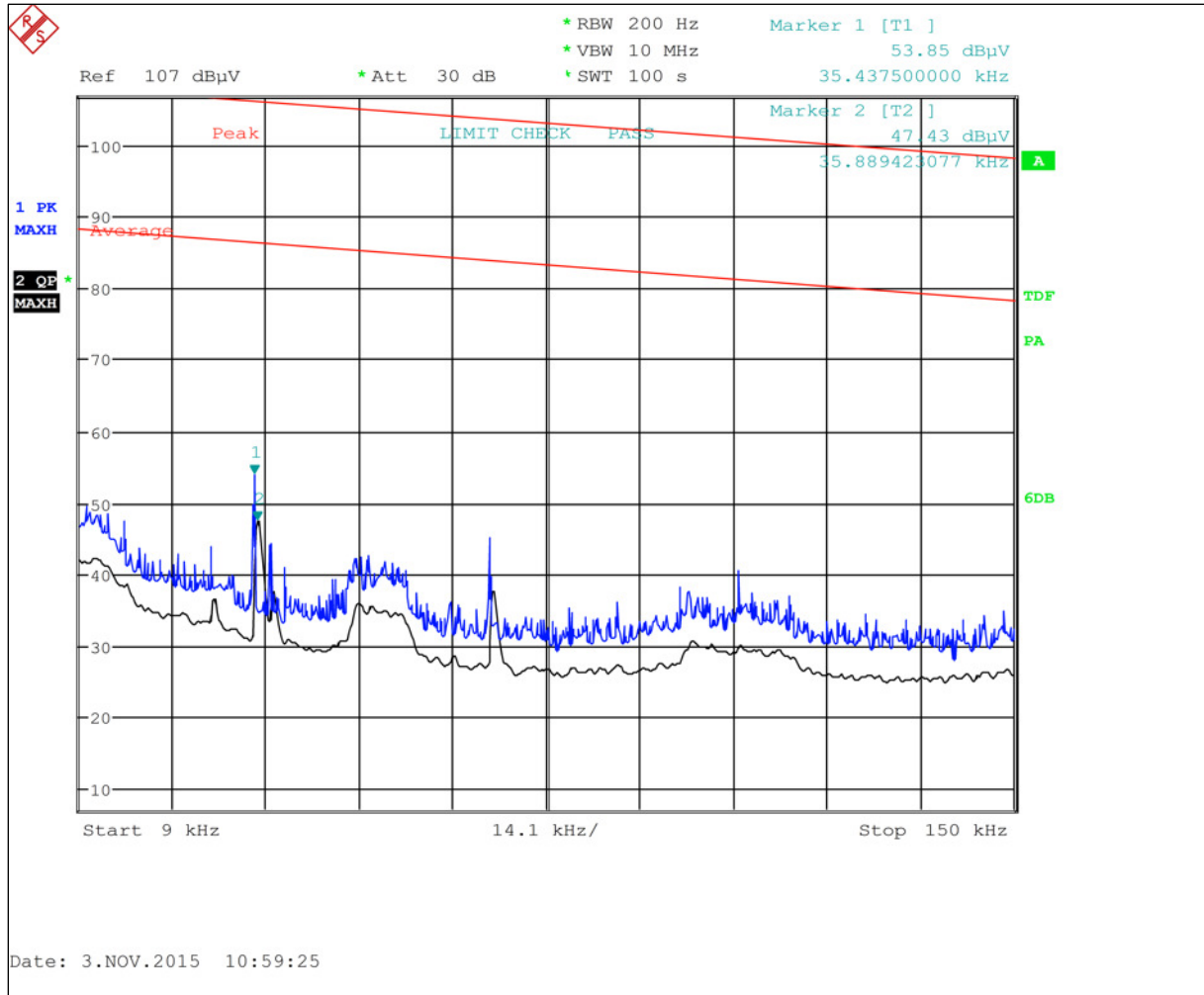


Table 6-12: Radiated Emissions of Carrier – TC #3 Concrete Container

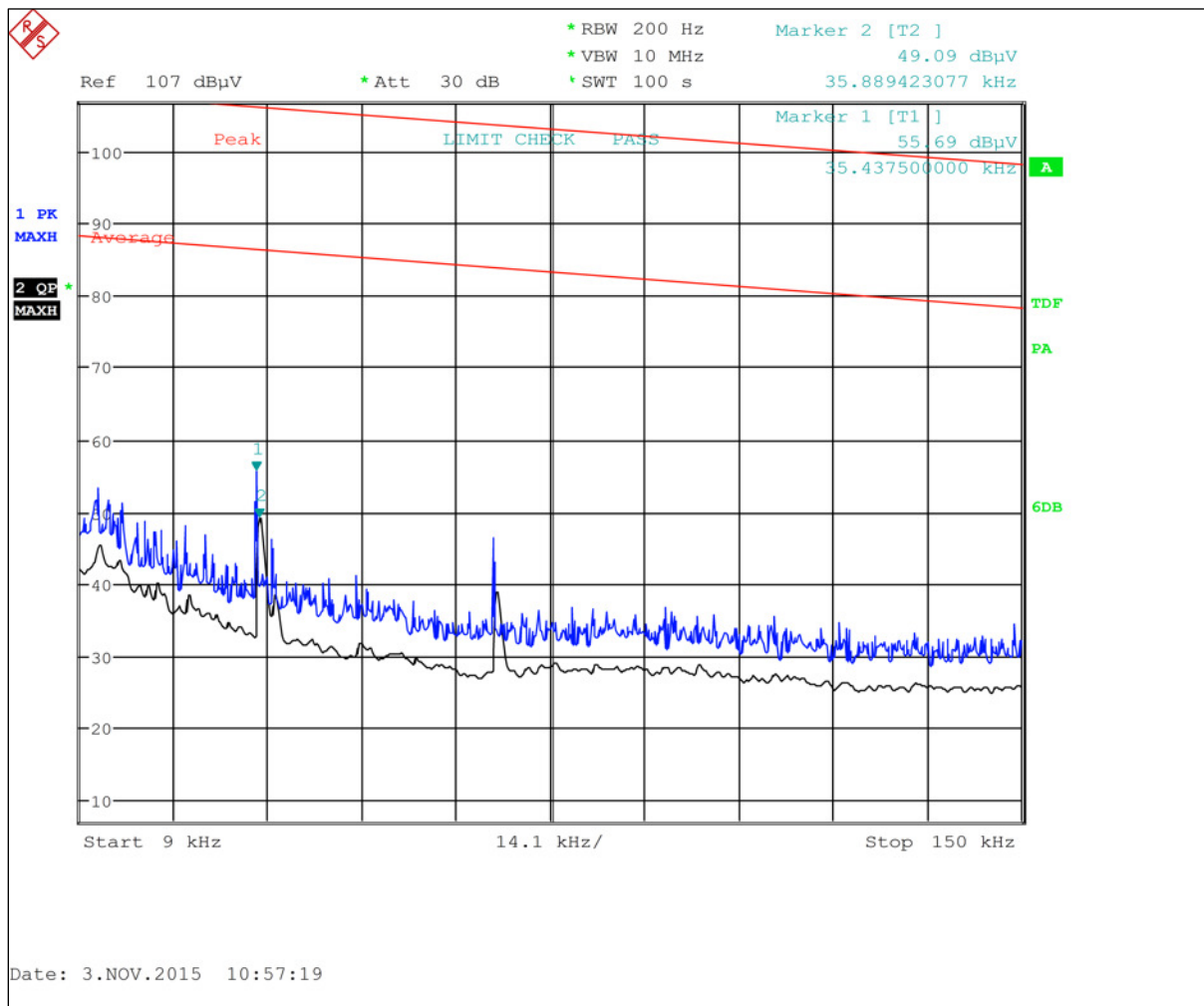
Frequency (GHz)	Detector	Test Antenna Pol	Corrected Spectrum Analyzer Level (dBμV/m)	FCC Limit (dBμV)	Margin (dB)	Corrected Spectrum Analyzer Level (dBm/MHz)	IC Limit (dBm/MHz)	Margin (dBm)
26.0222	Peak	V	48.4	74.0	-25.6	NA		
23.3527	Average	V	37.4	54.0	-16.6	-57.8	-41.3	16.5

6.3.2.8 Radiated Emissions Below 1 GHz Test Data – TC#3 Concrete Container

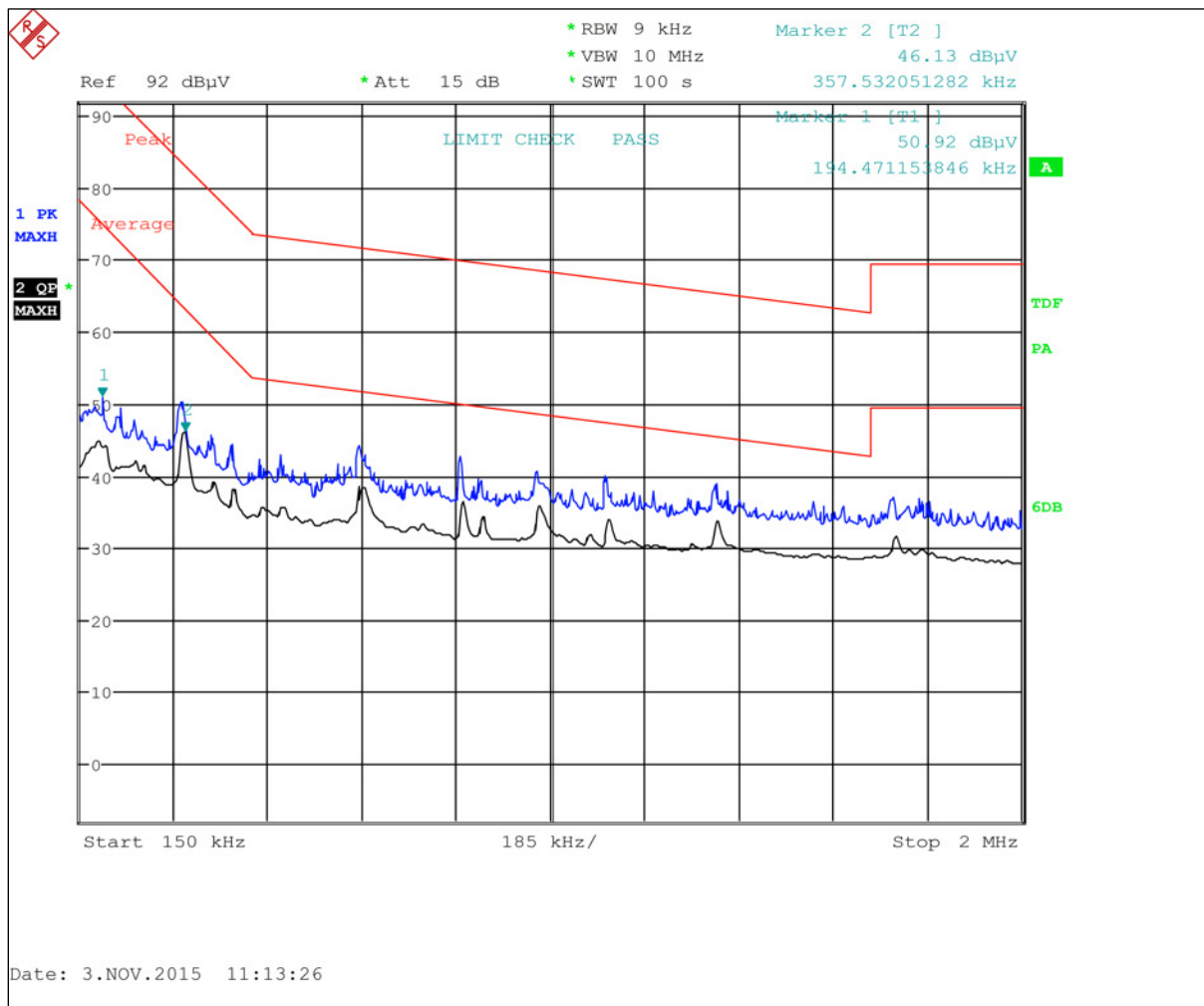
Plot 6-231: Radiated Emissions Transmit – 9 kHz – 150 kHz Horizontal Peak/Average



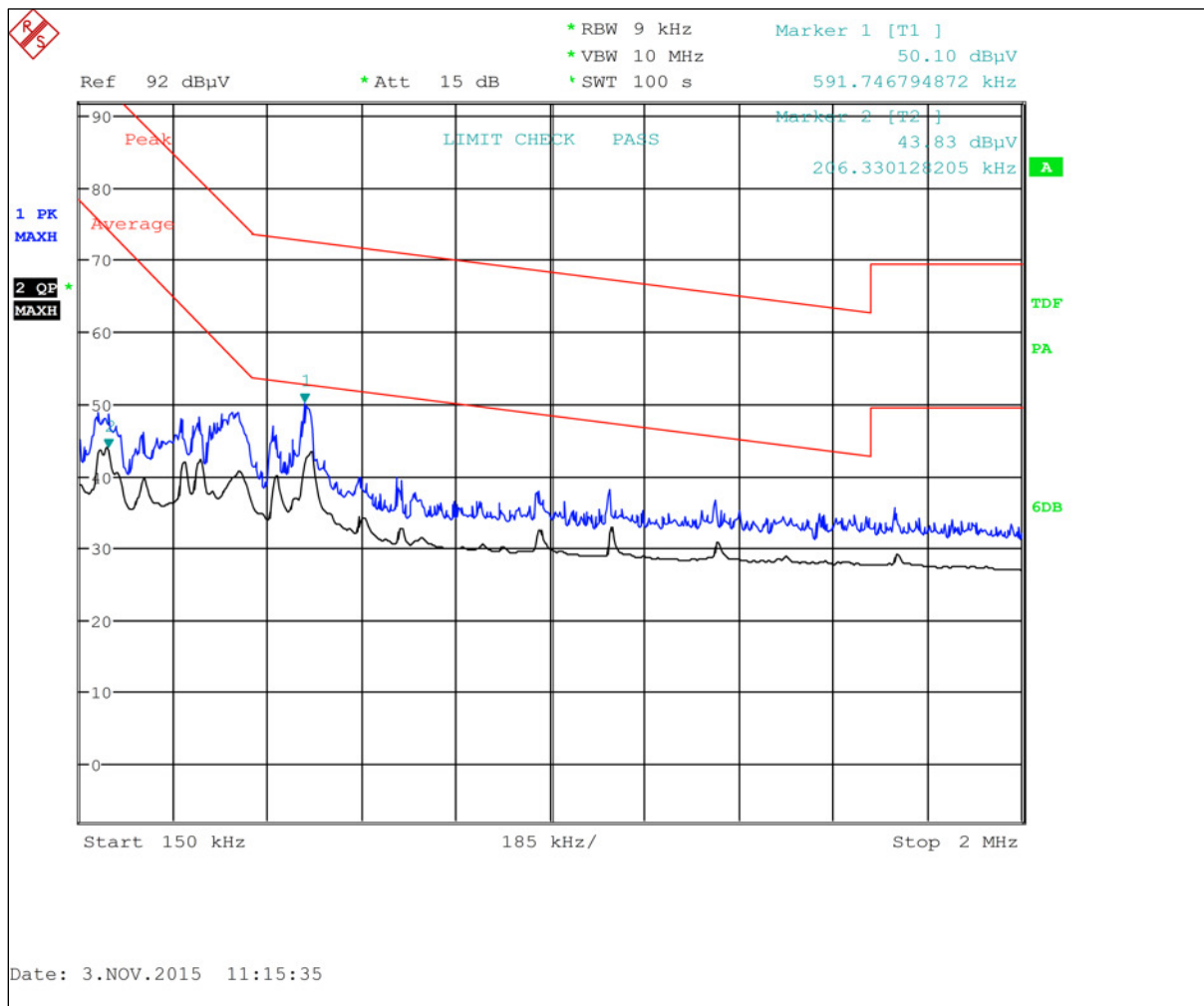
Plot 6-232: Radiated Emissions Transmit – 9 kHz – 150 kHz Vertical Peak/Average



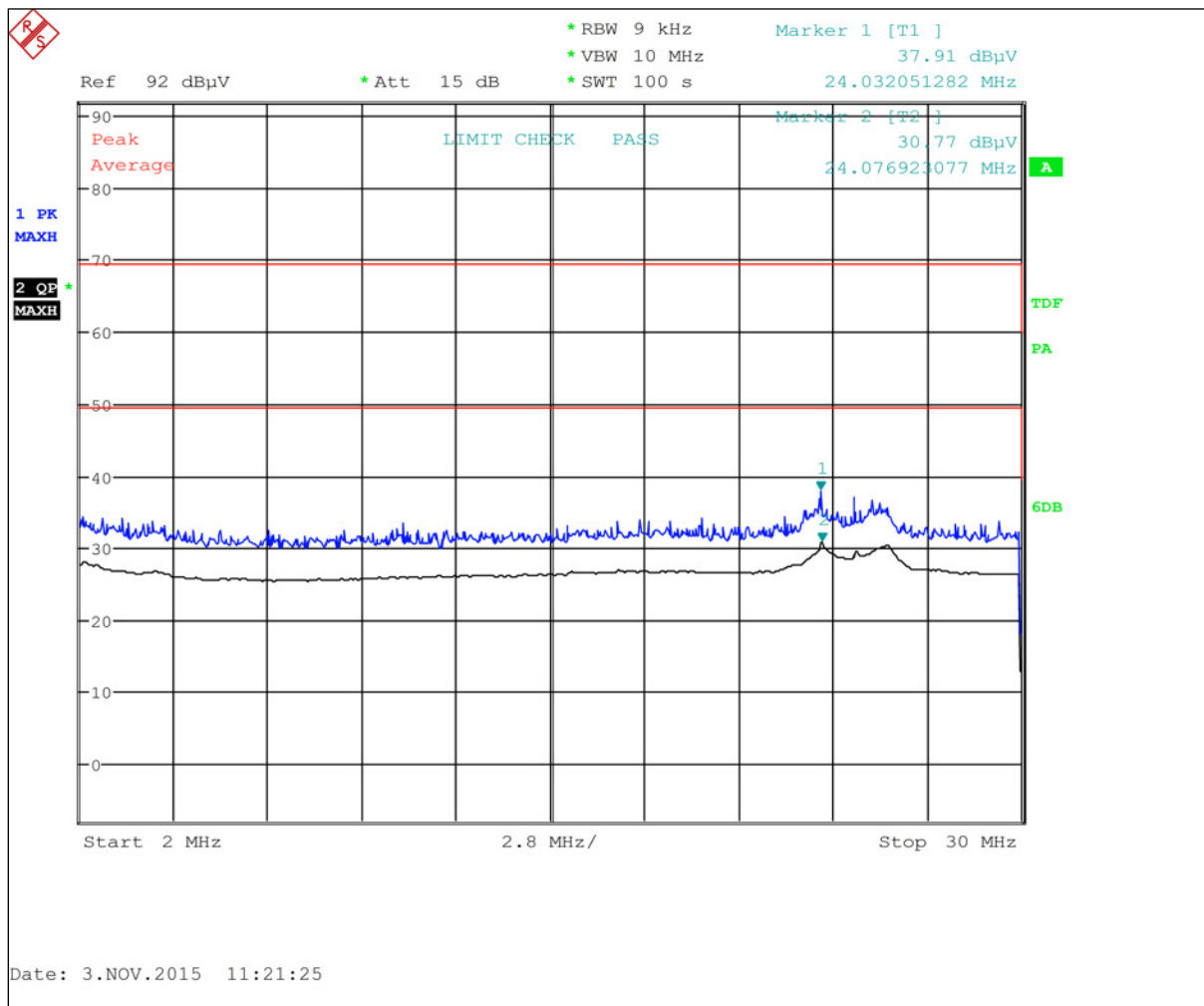
Plot 6-233: Radiated Emissions Transmit – 150 kHz – 2 MHz Horizontal Peak/Average



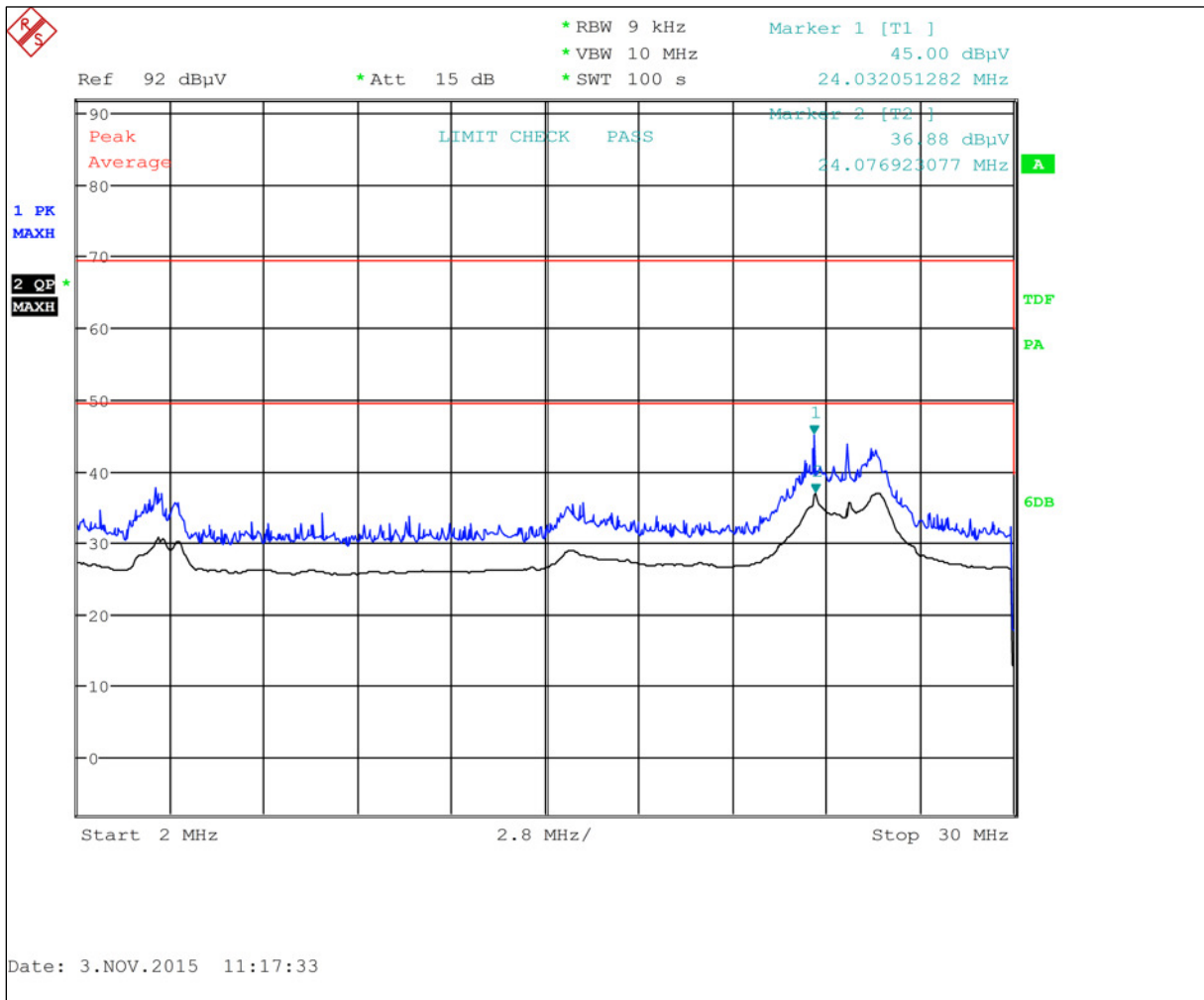
Plot 6-234: Radiated Emissions Transmit – 150 kHz – 2 MHz Vertical Peak/Average



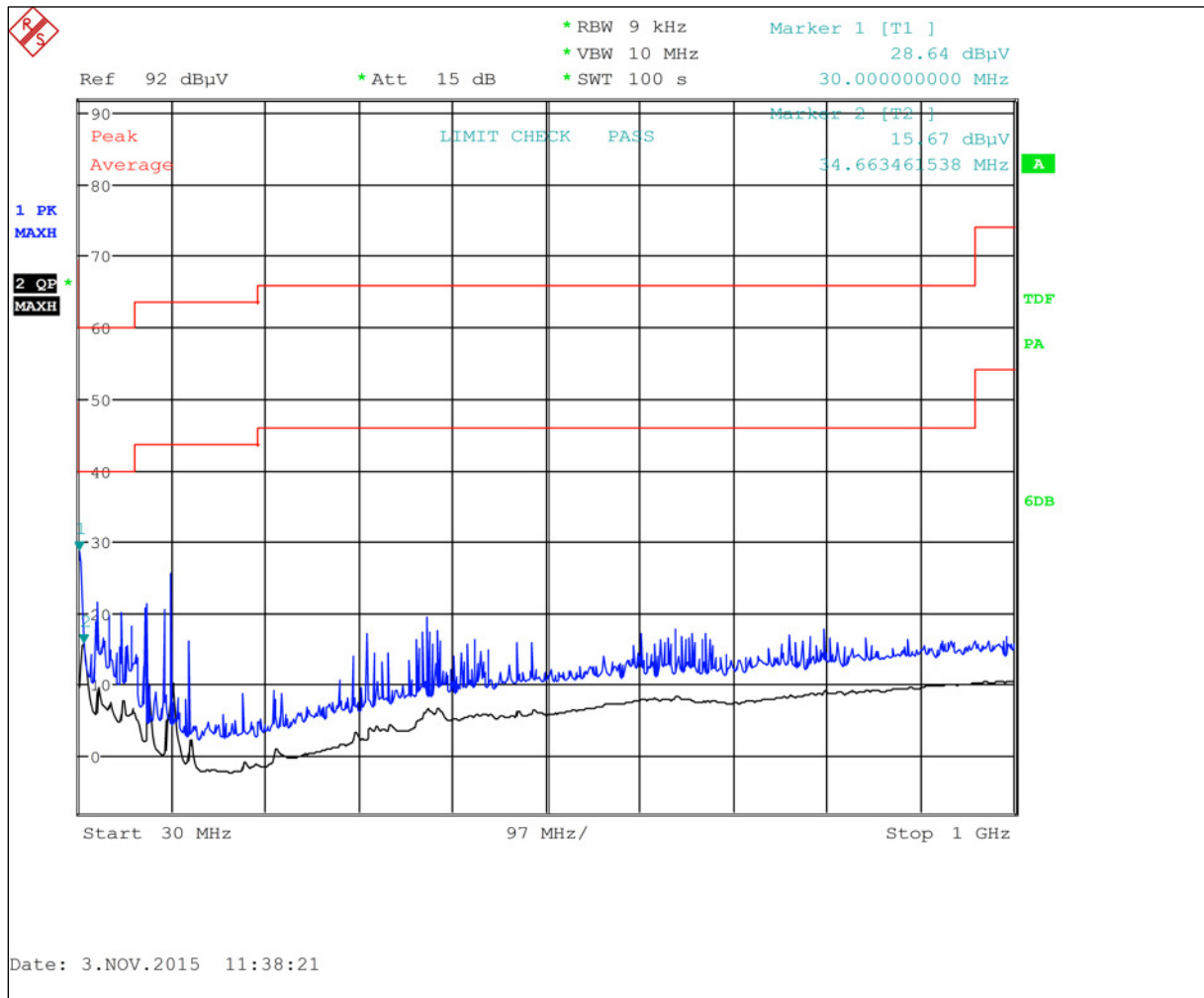
Plot 6-235: Radiated Emissions Transmit – 2 MHz – 30 MHz Horizontal Peak/Average



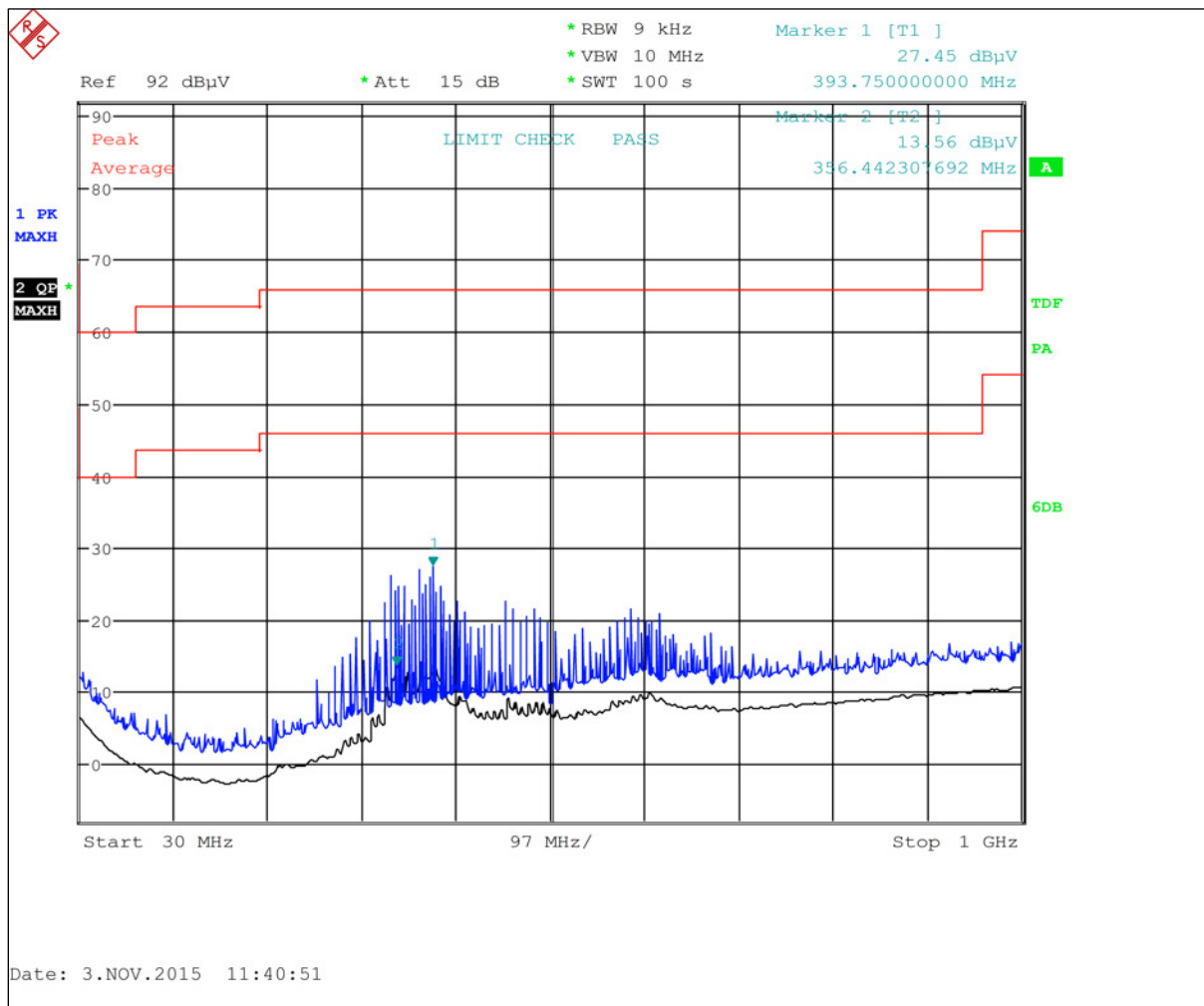
Plot 6-236: Radiated Emissions Transmit – 2 MHz – 30 MHz Vertical Peak/Average



Plot 6-237: Radiated Emissions Transmit – 30 MHz – 1 GHz Horizontal Peak/Average

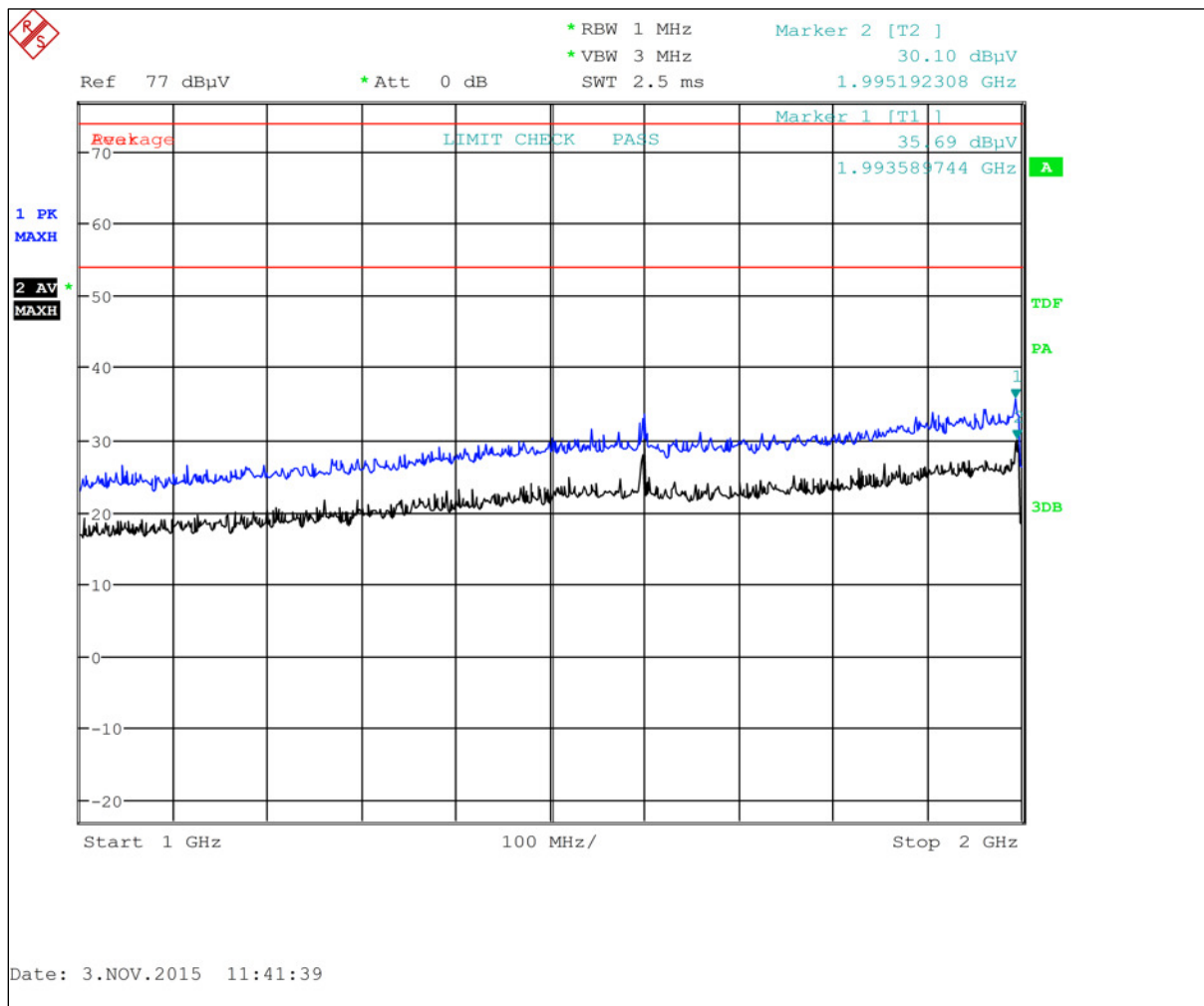


Plot 6-238: Radiated Emissions Transmit – 30 MHz – 1 GHz Vertical Peak/Average

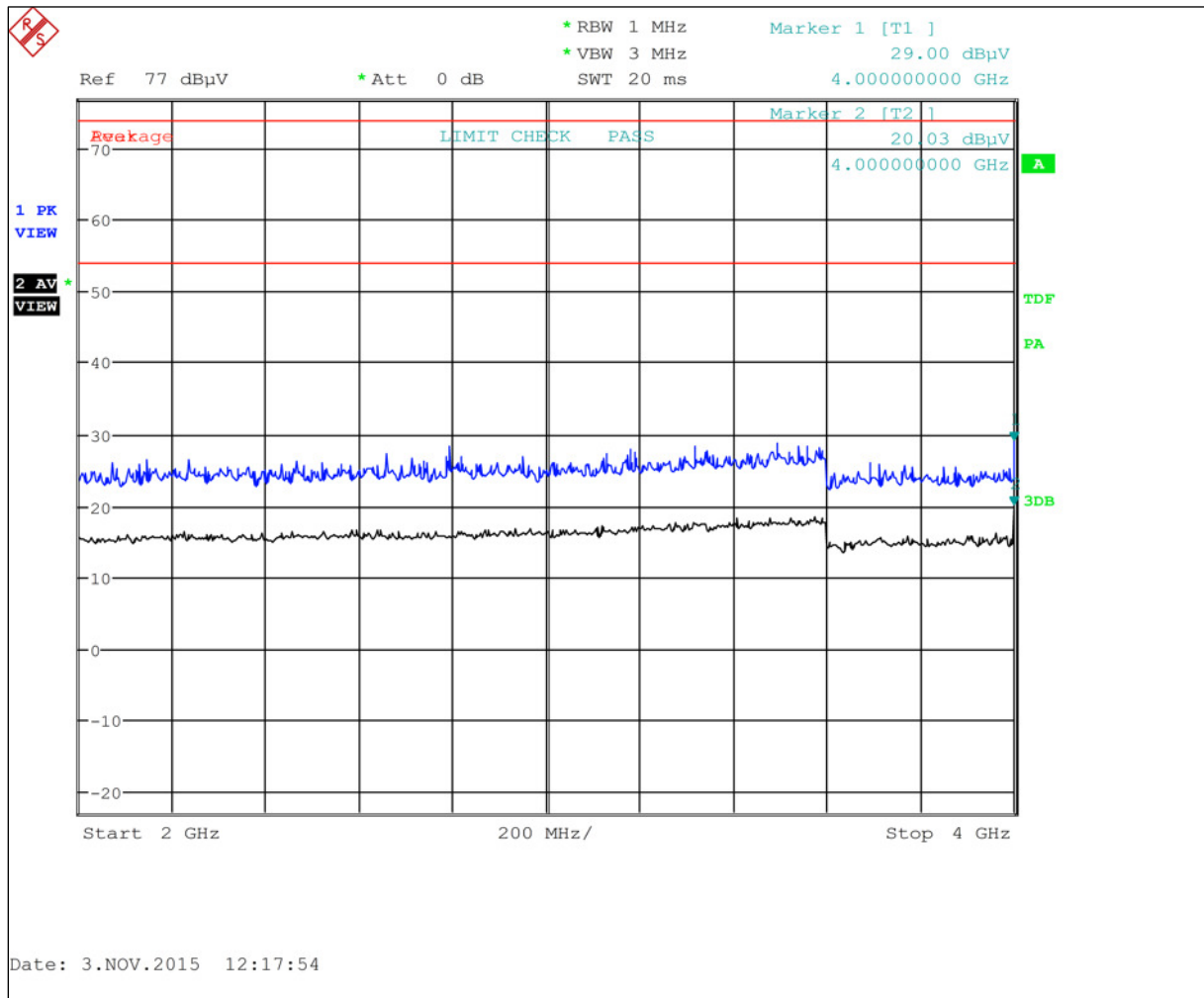


Note: Unwanted emissions were investigated as a digital device (other than harmonics) as required by 15.33(a)(3).

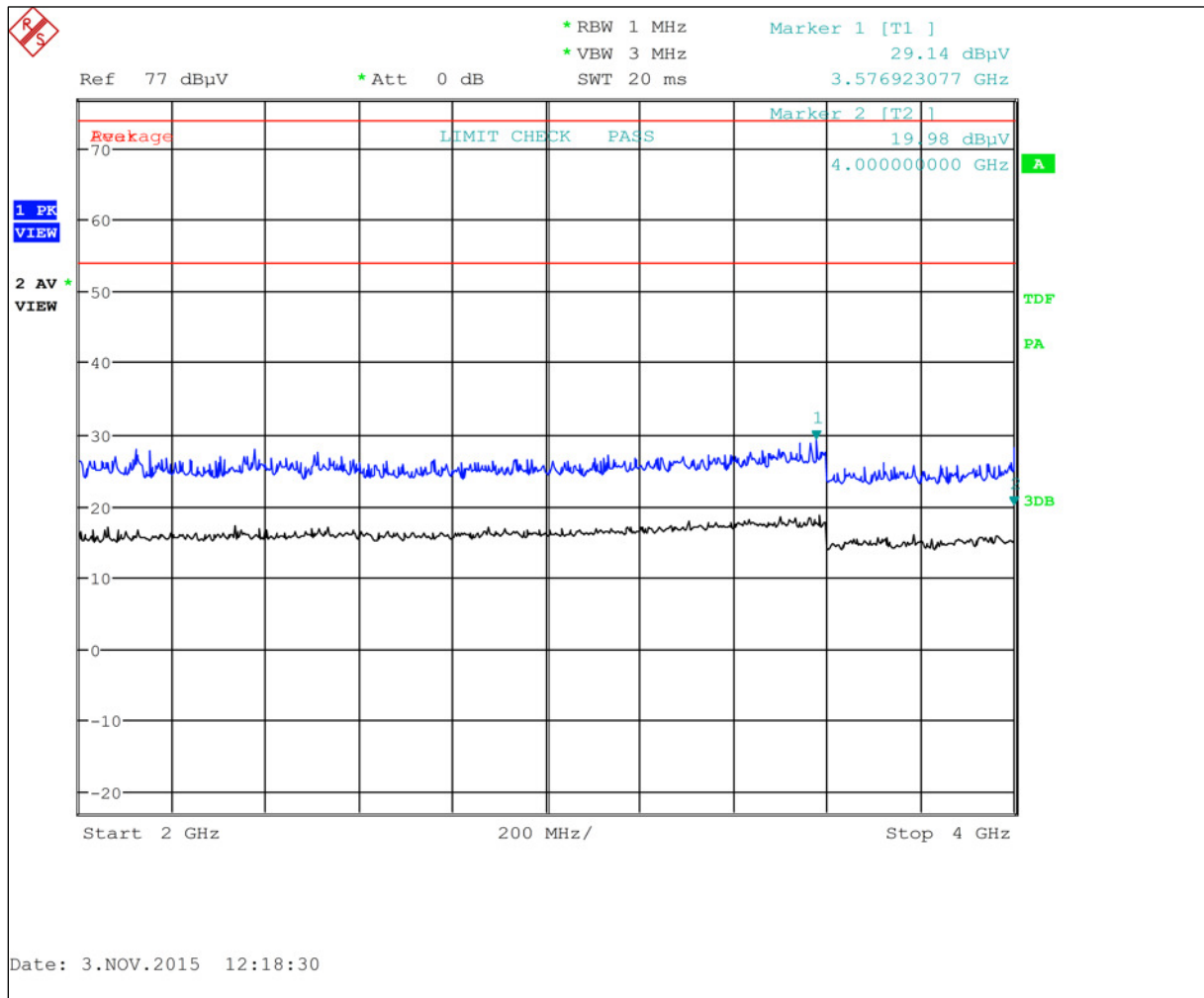
Plot 6-240: Radiated Emissions 1 GHz – 2 GHz Vertical Peak/Average



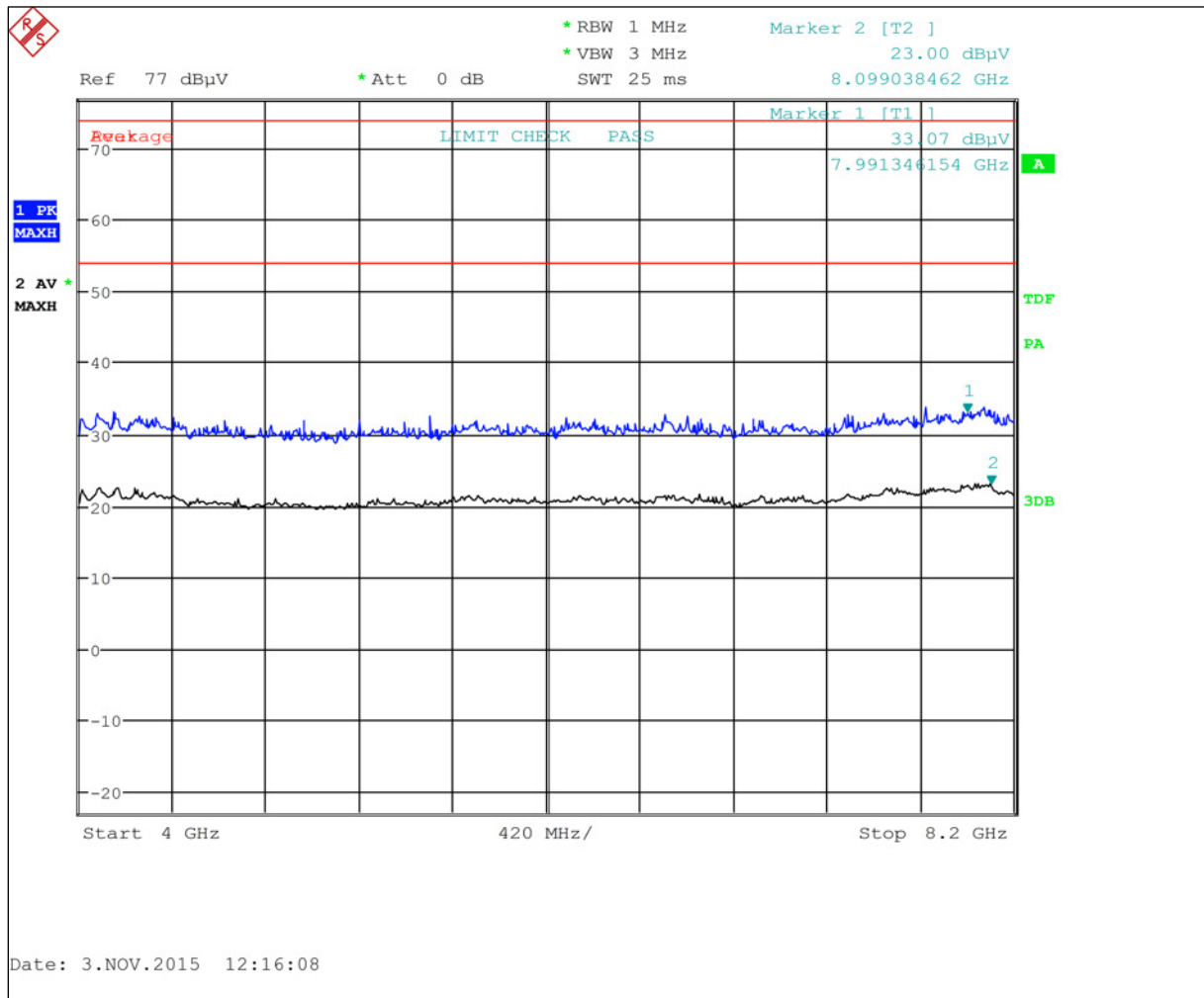
Plot 6-241: Radiated Emissions 2 GHz – 4 GHz Horizontal Peak/Average



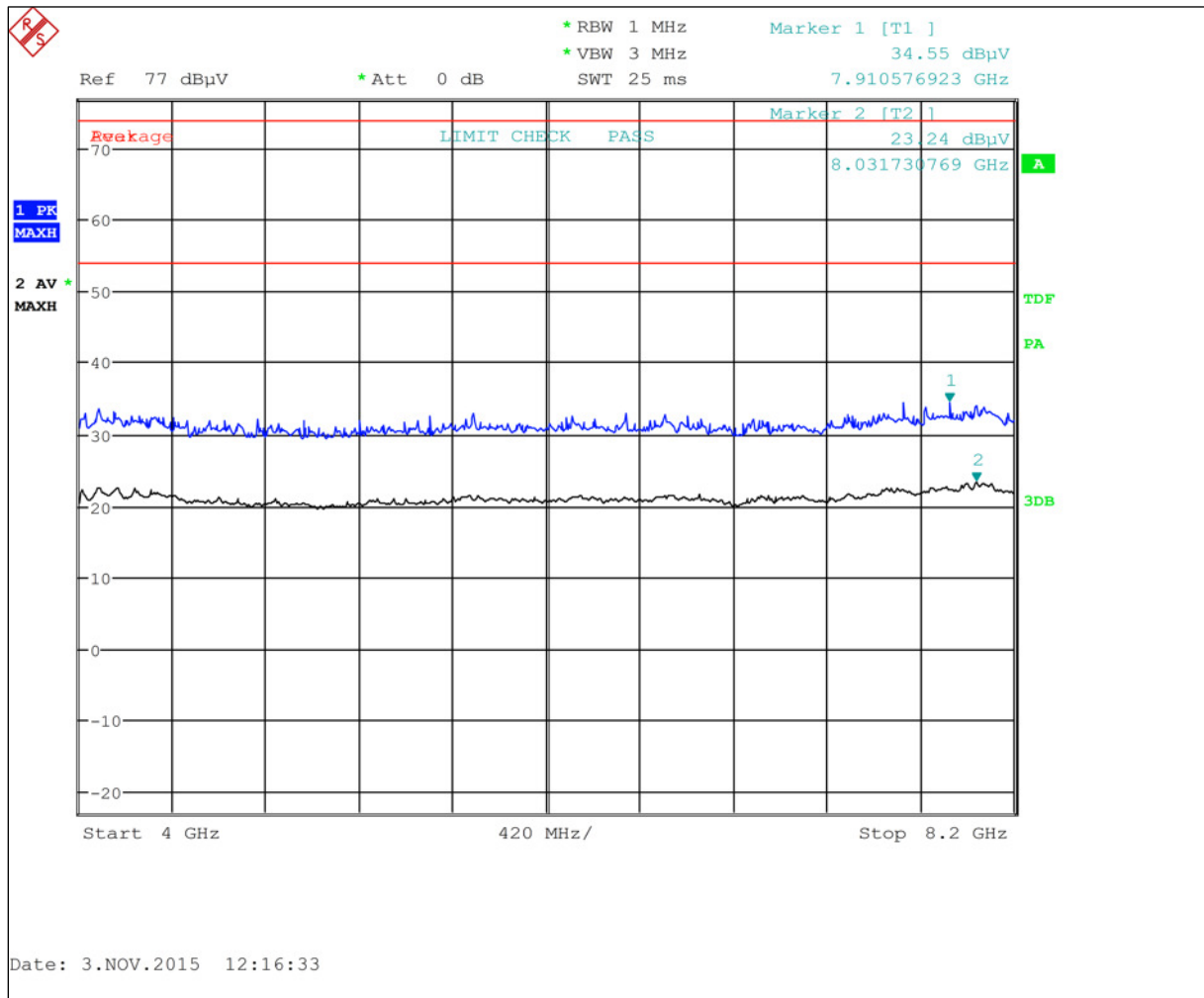
Plot 6-242: Radiated Emissions 2 GHz – 4 GHz Vertical Peak/Average



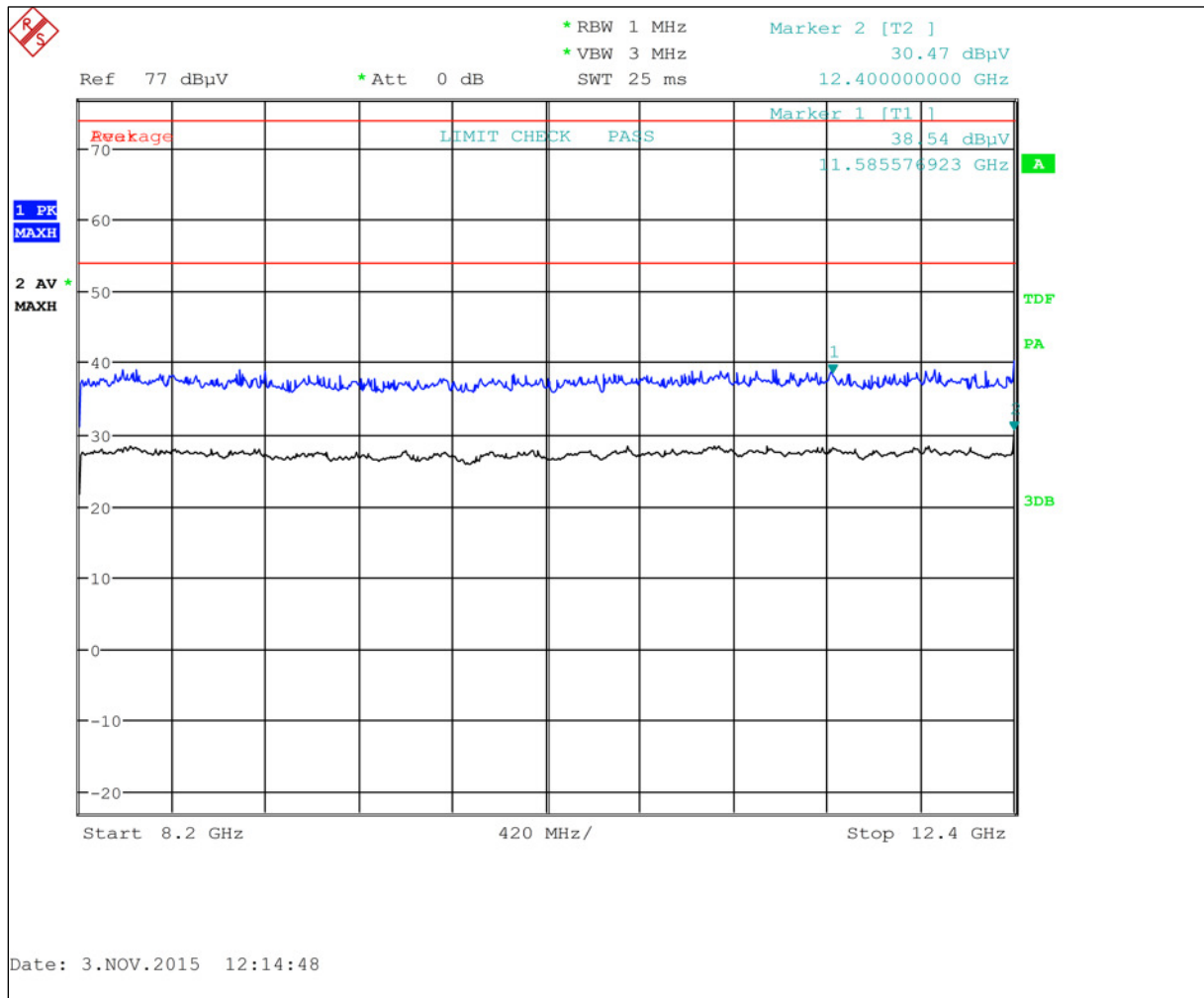
Plot 6-243: Radiated Emissions 4 GHz – 8 GHz Horizontal Peak/Average



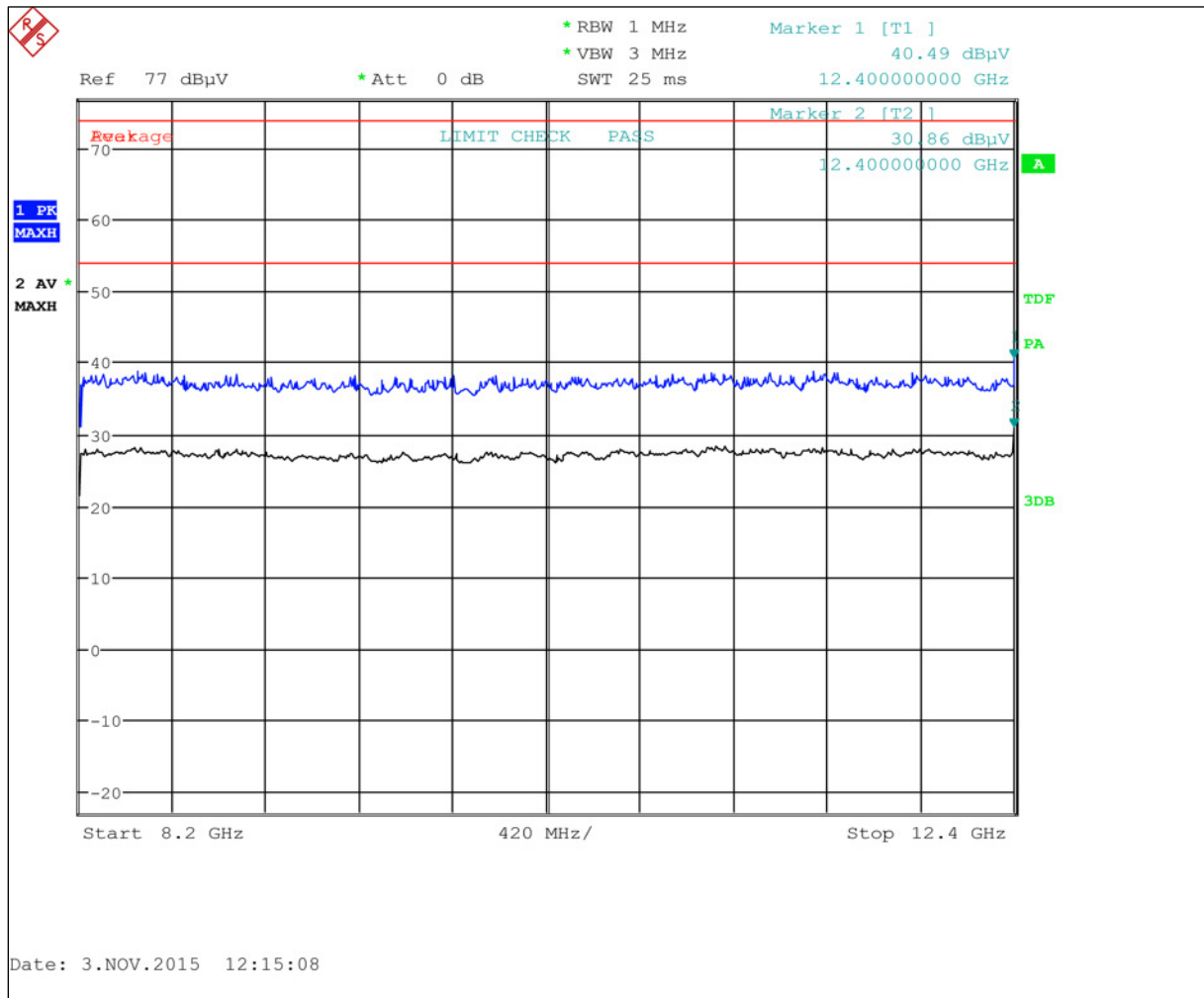
Plot 6-244: Radiated Emissions 4 GHz – 8 GHz Vertical Peak/Average



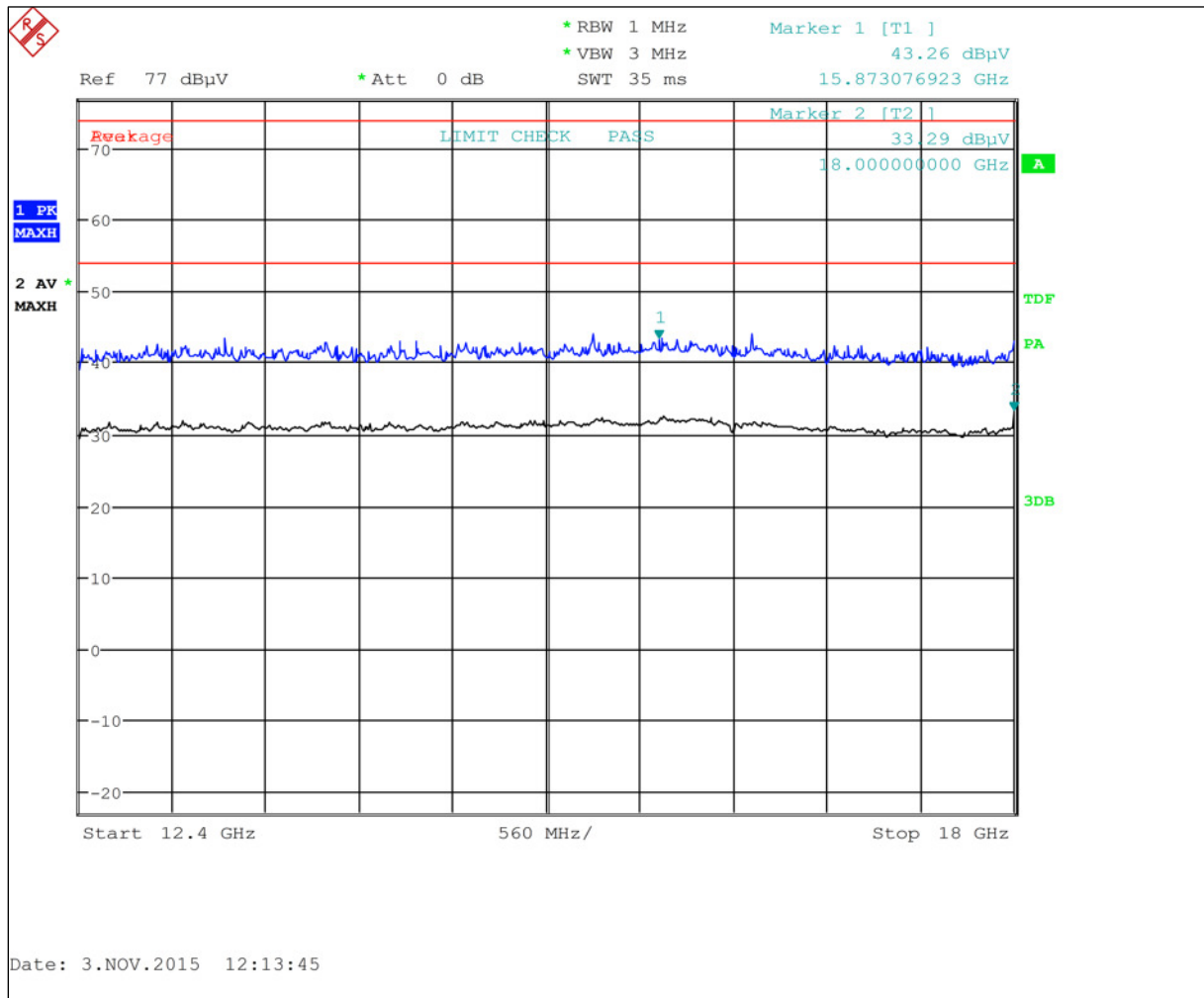
Plot 6-245: Radiated Emissions 8 GHz – 12 GHz Horizontal Peak/Average



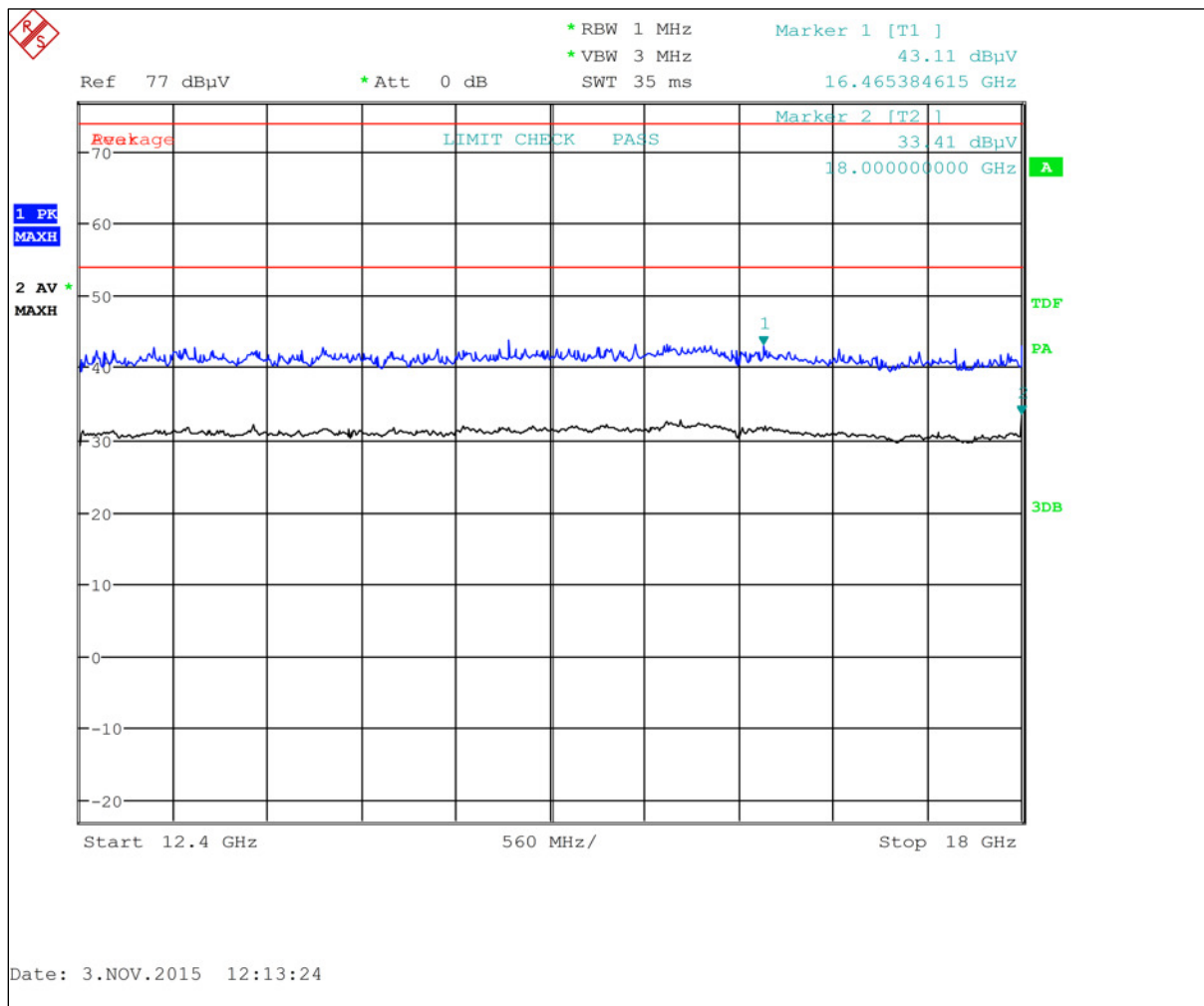
Plot 6-246: Radiated Emissions 8 GHz – 12 GHz Vertical Peak/Average



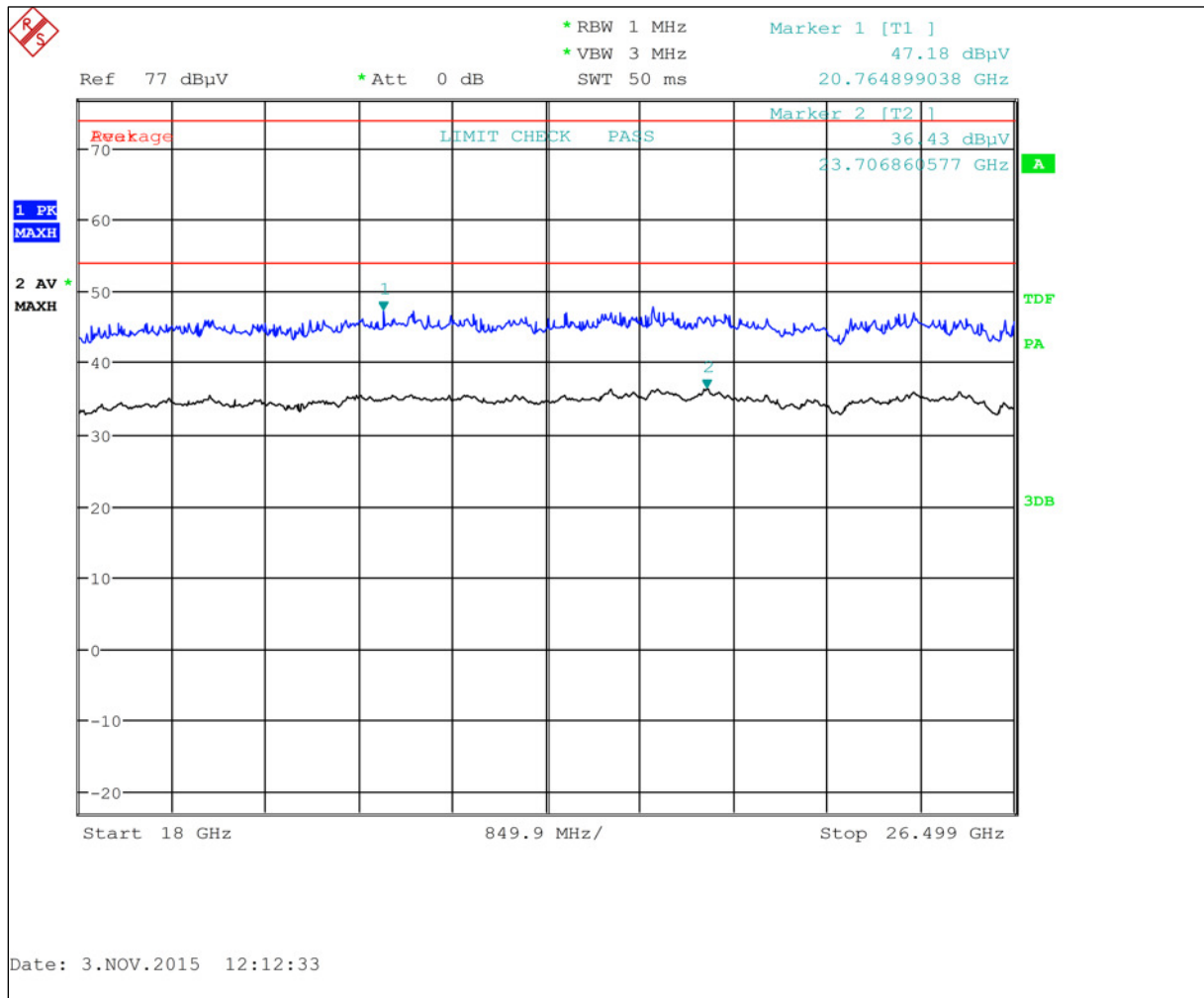
Plot 6-247: Radiated Emissions 12 GHz – 18 GHz Horizontal Peak/Average



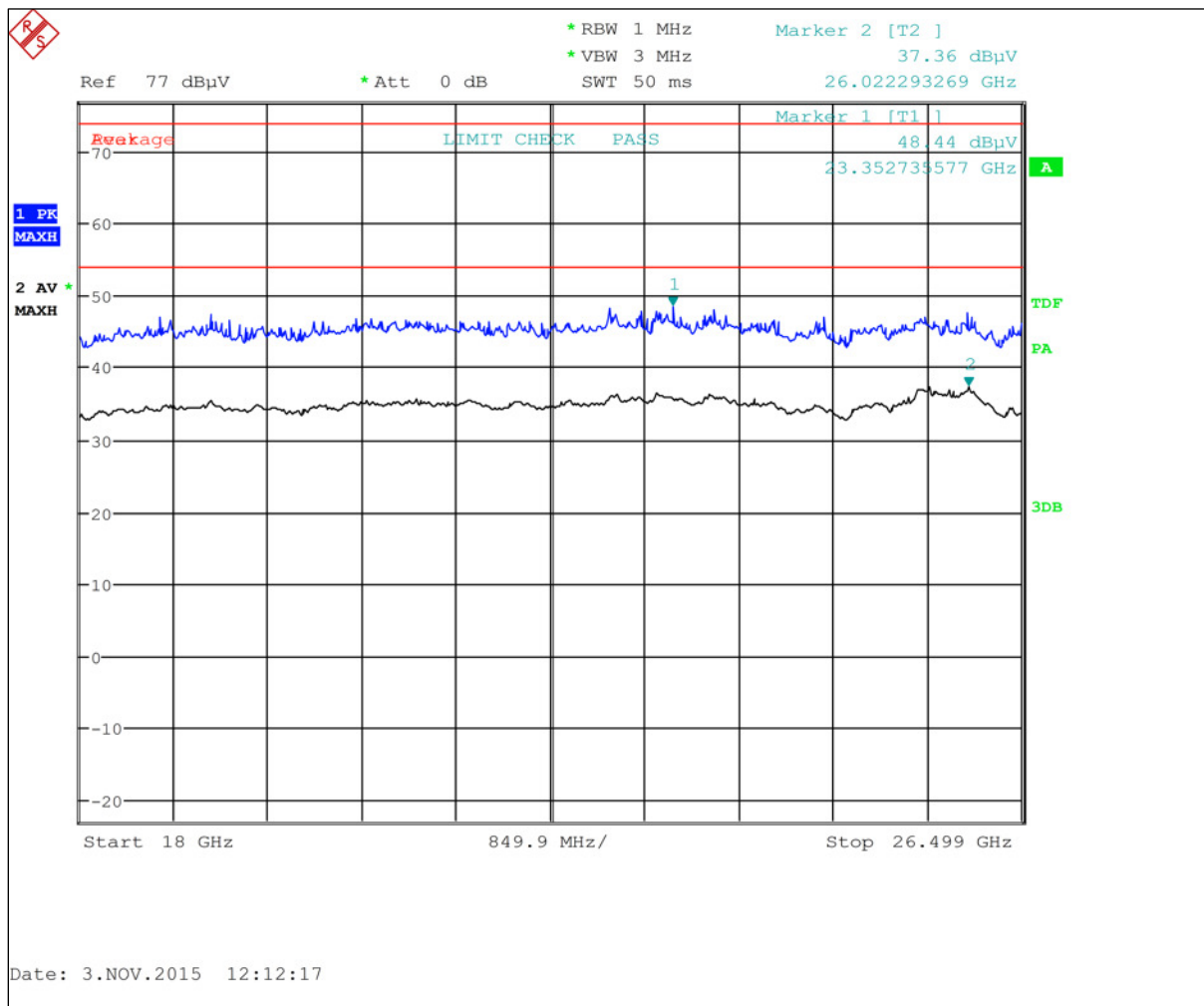
Plot 6-248: Radiated Emissions 12 GHz – 18 GHz Vertical Peak/Average



Plot 6-249: Radiated Emissions 18 GHz – 26 GHz Horizontal Peak/Average



Plot 6-250: Radiated Emissions 18 GHz – 26 GHz Vertical Peak/Average



6.3.2.10 Radiated Emissions Carrier Test Data - TC#4 Concrete Container

Plot 6-251: Radiated Emissions of Carrier - TC #4 Concrete Container

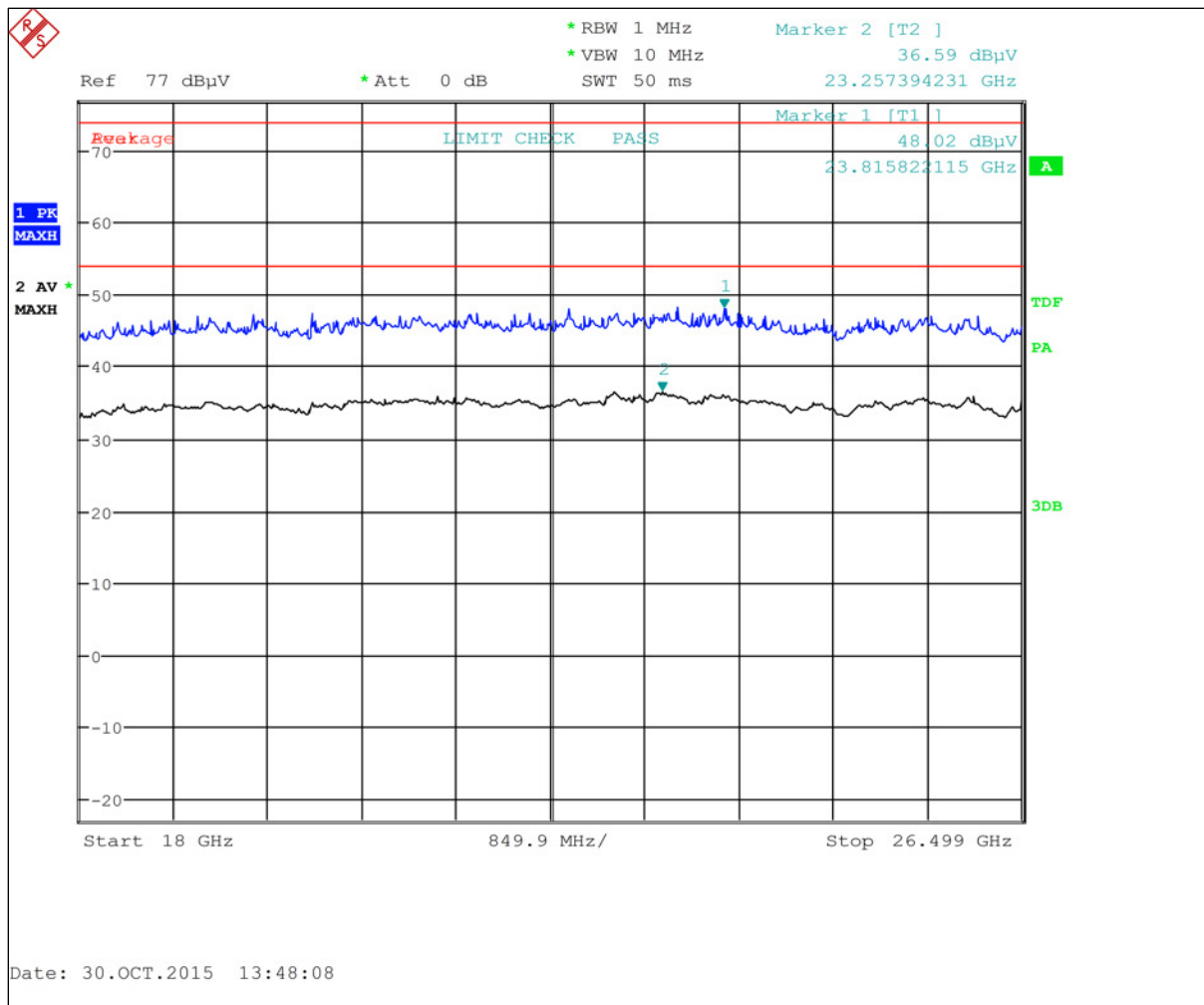
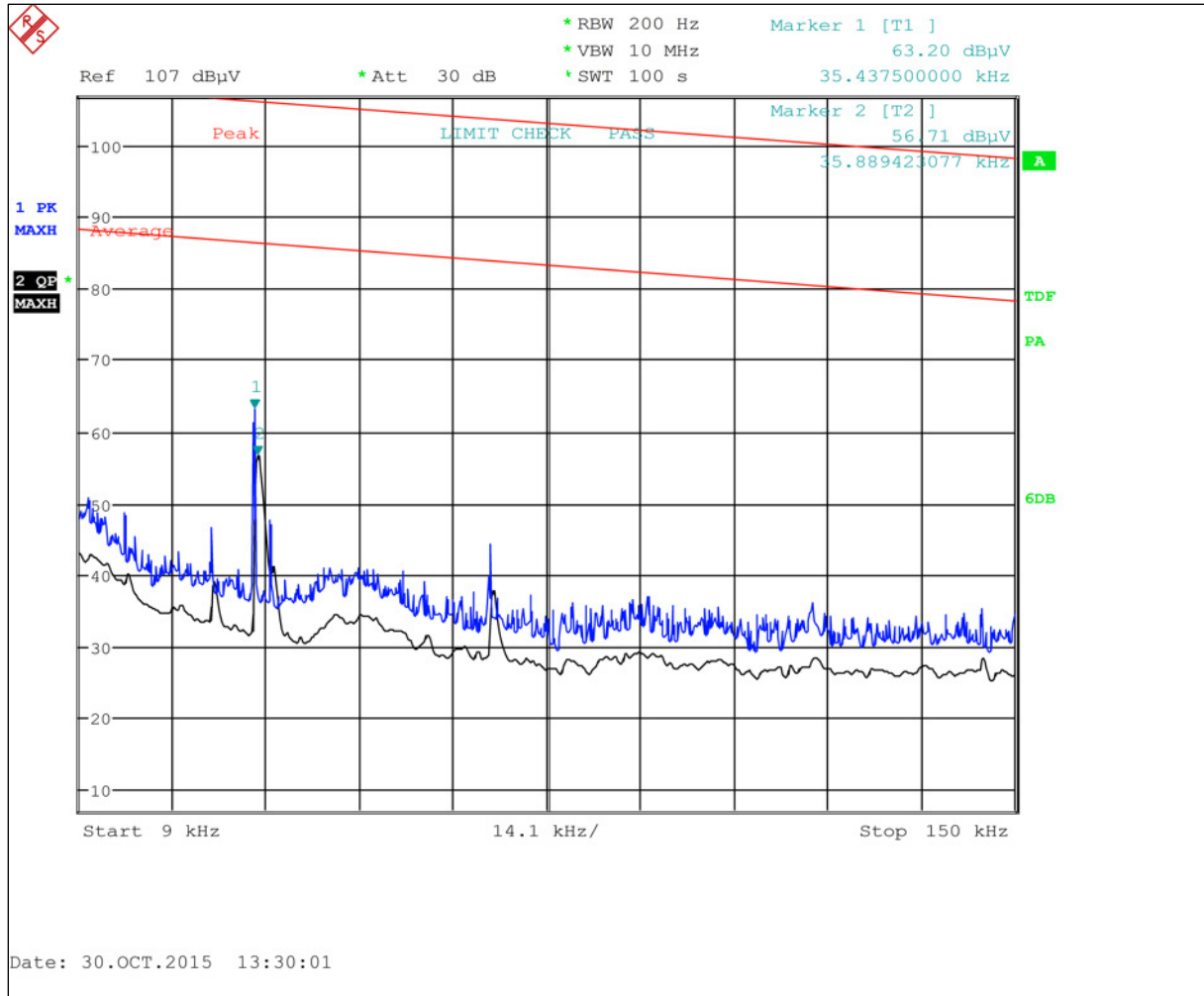


Table 6-13: Radiated Emissions of Carrier – TC #4 Concrete Container

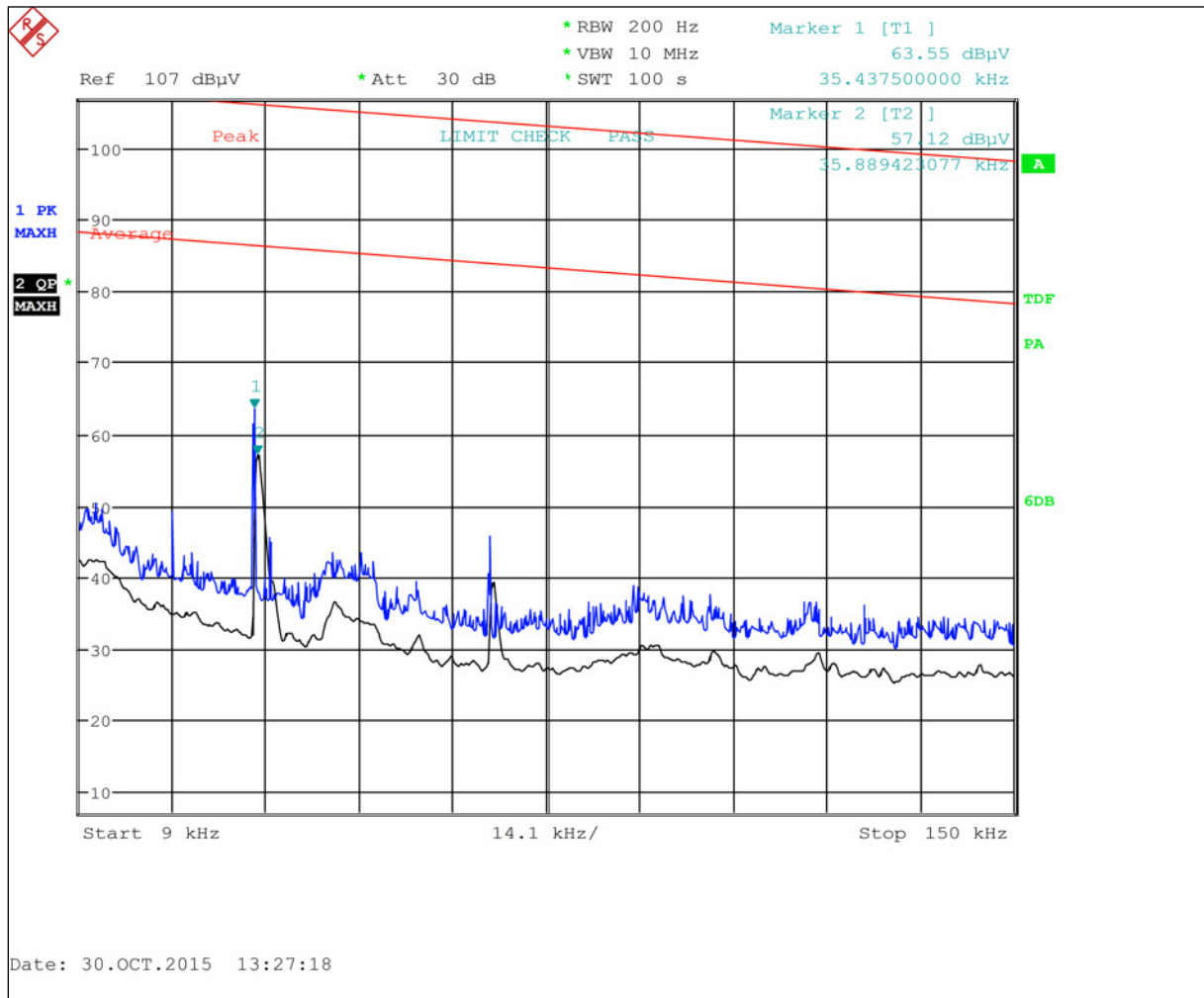
Frequency (GHz)	Detector	Test Antenna Pol	Corrected Spectrum Analyzer Level (dBμV/m)	FCC Limit (dBμV)	Margin (dB)	Corrected Spectrum Analyzer Level (dBm/MHz)	IC Limit (dBm/MHz)	Margin (dBm)
23.8158	Peak	H	48.0	74.0	-26.0	NA		
23.2573	Average	H	36.6	54.0	-17.4	-58.6	-41.3	17.3

6.3.2.11 Radiated Emissions Below 1 GHz Test Data – TC#4 Concrete Container

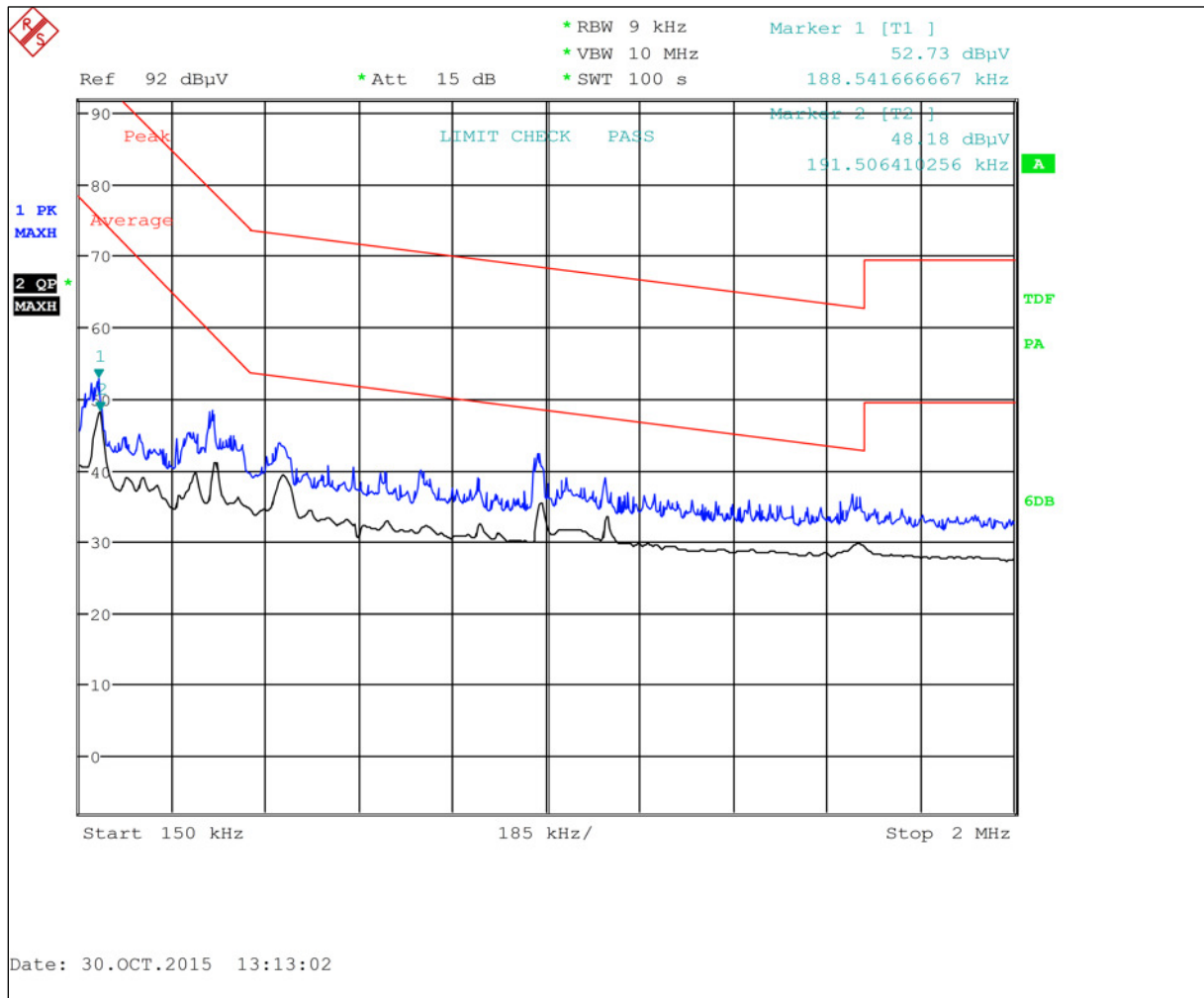
Plot 6-252: Radiated Emissions Transmit – 9 kHz – 150 kHz Horizontal Peak/Average



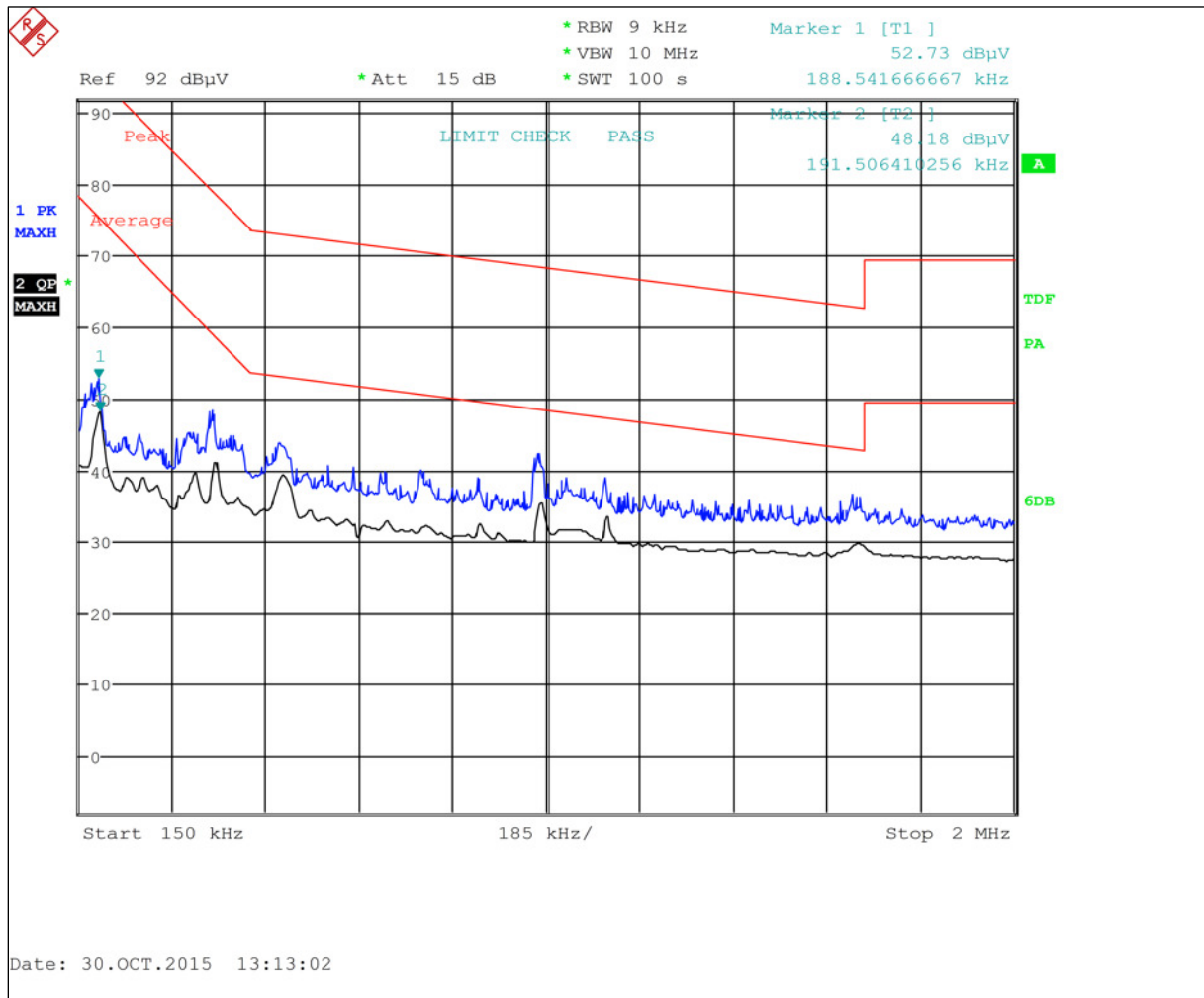
Plot 6-253: Radiated Emissions Transmit – 9 kHz – 150 kHz Vertical Peak/Average



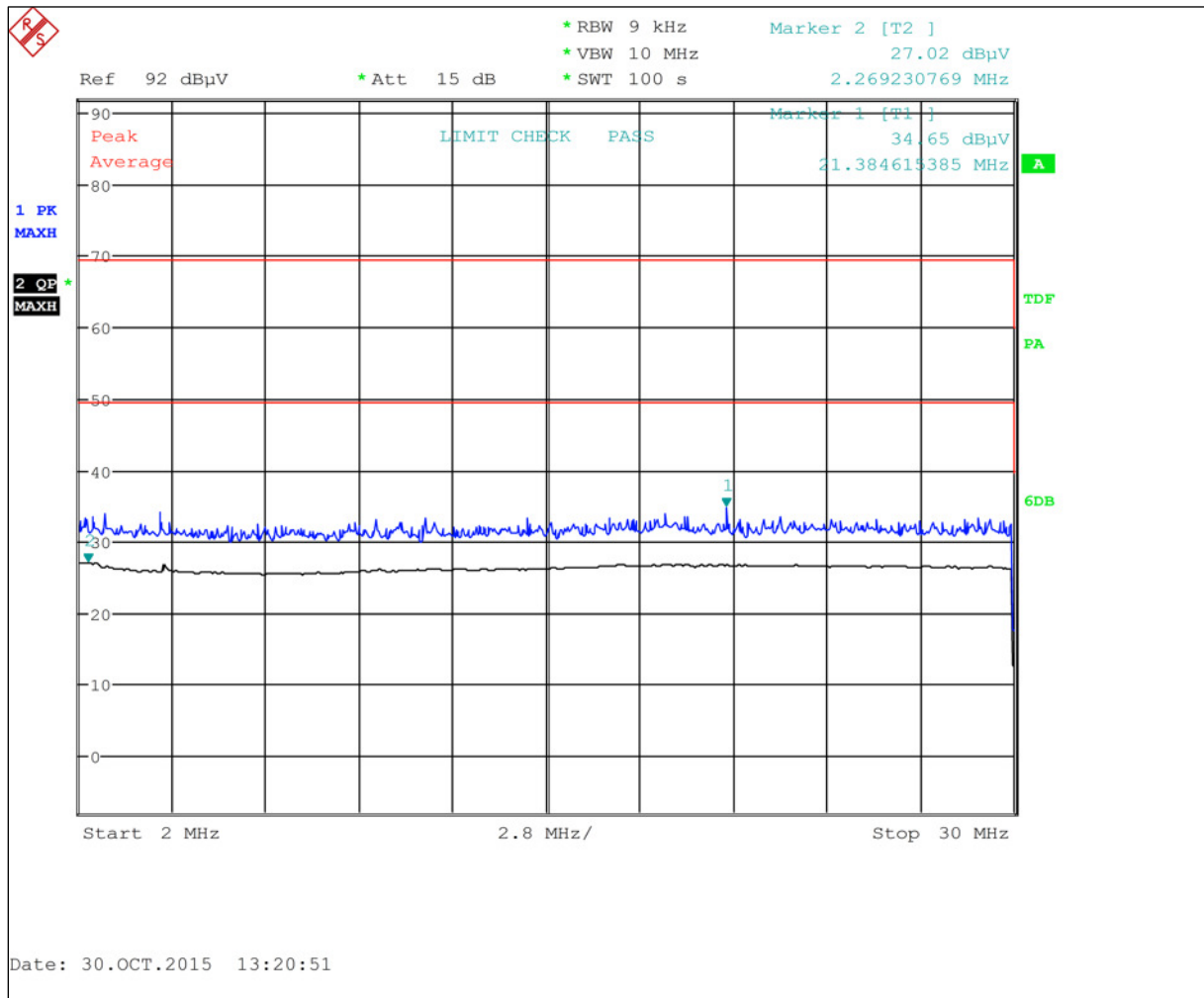
Plot 6-254: Radiated Emissions Transmit – 150 kHz – 2 MHz Horizontal Peak/Average



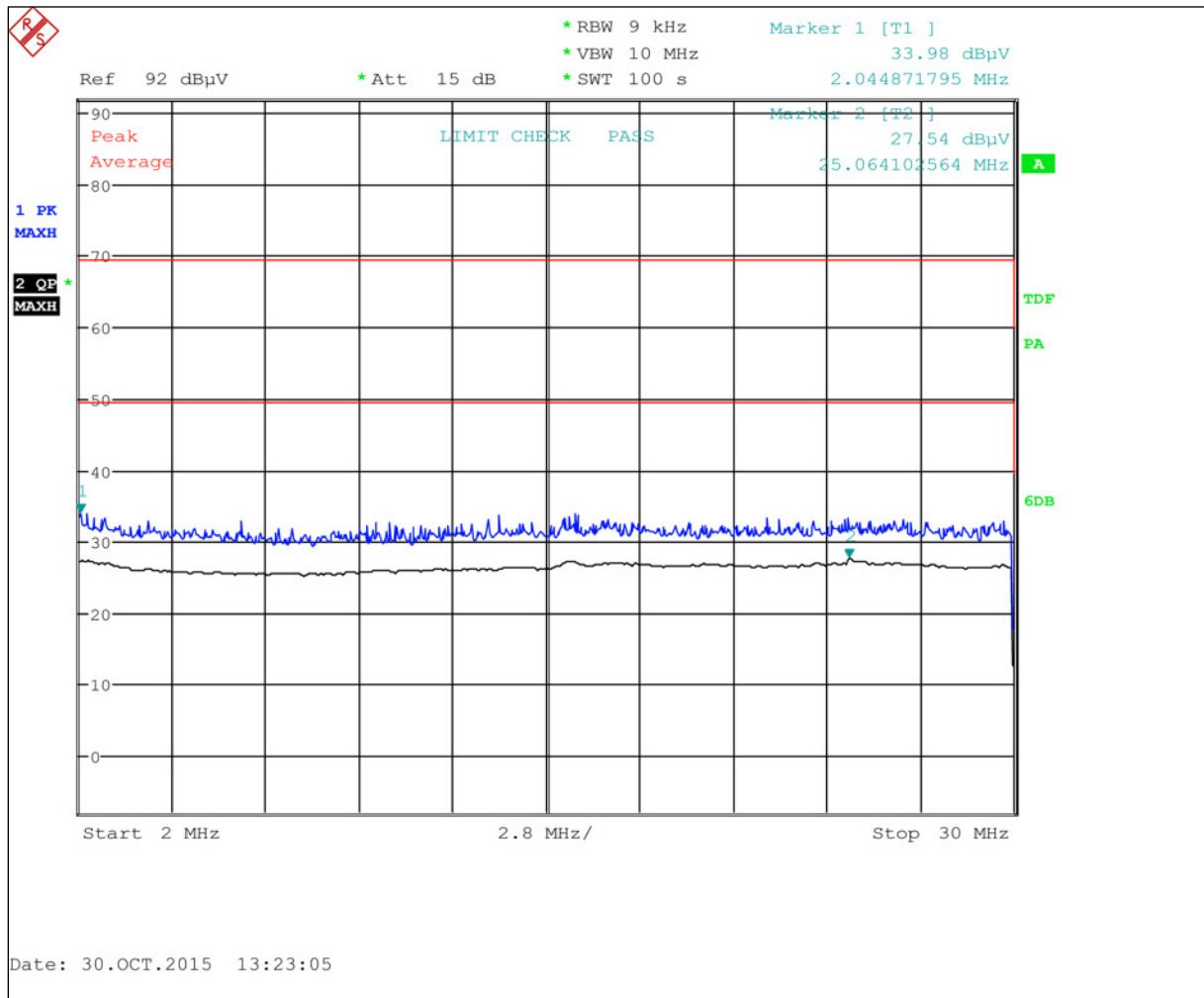
Plot 6-255: Radiated Emissions Transmit – 150 kHz – 2 MHz Vertical Peak/Average



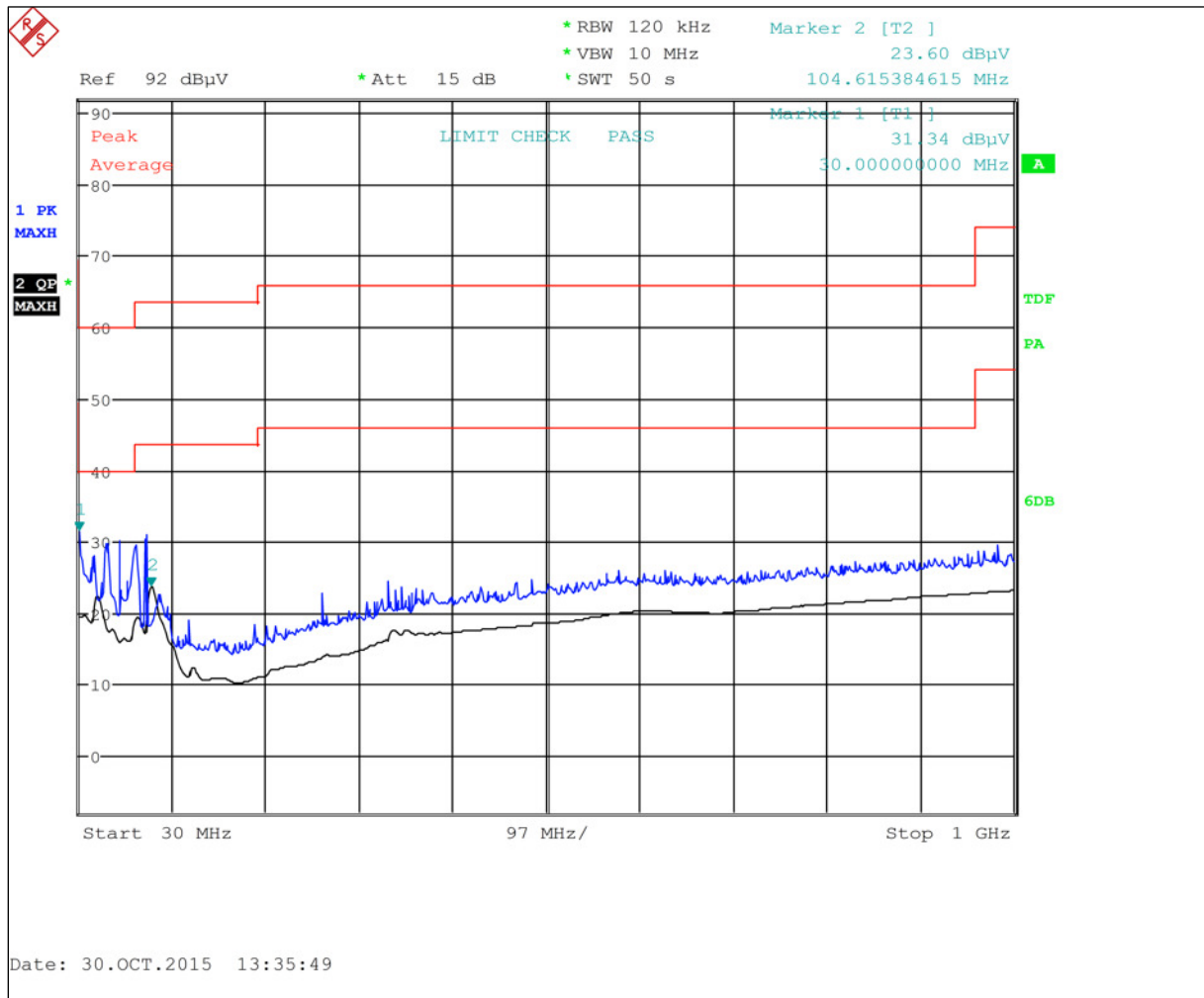
Plot 6-256: Radiated Emissions Transmit – 2 MHz – 30 MHz Horizontal Peak/Average



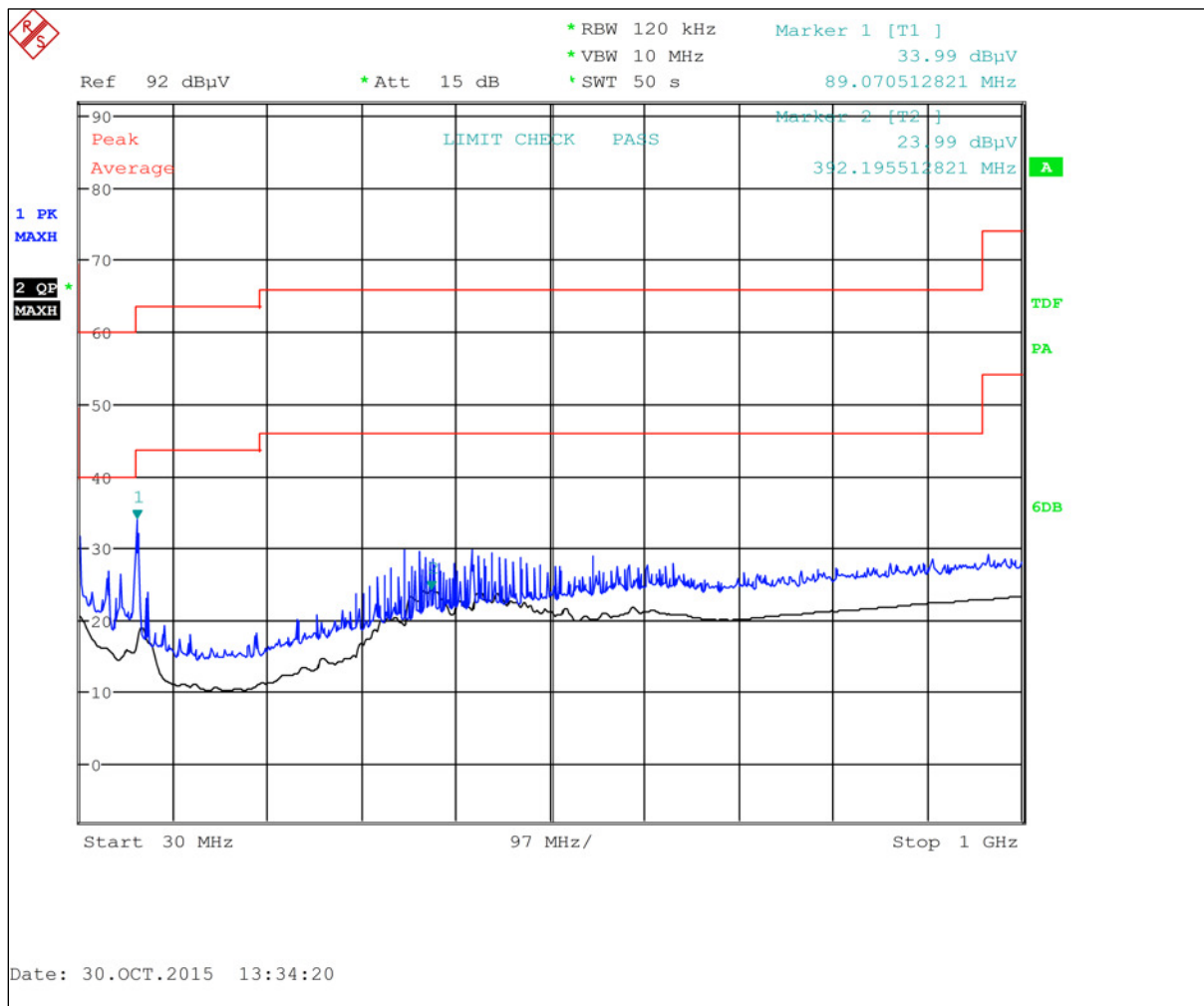
Plot 6-257: Radiated Emissions Transmit – 2 MHz – 30 MHz Vertical Peak/Average



Plot 6-258: Radiated Emissions Transmit – 30 MHz – 1 GHz Horizontal Peak/Average



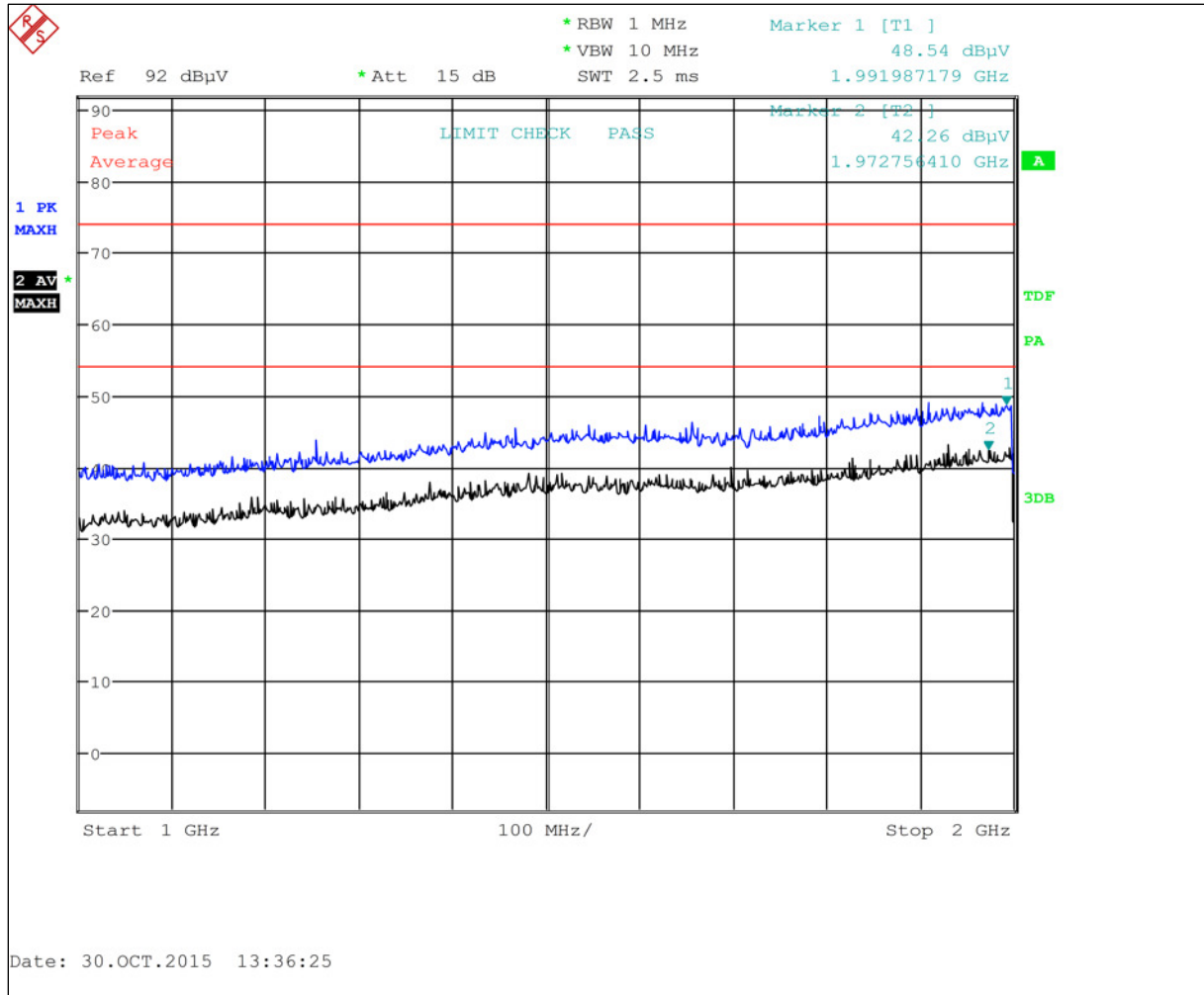
Plot 6-259: Radiated Emissions Transmit – 30 MHz – 1 GHz Vertical Peak/Average



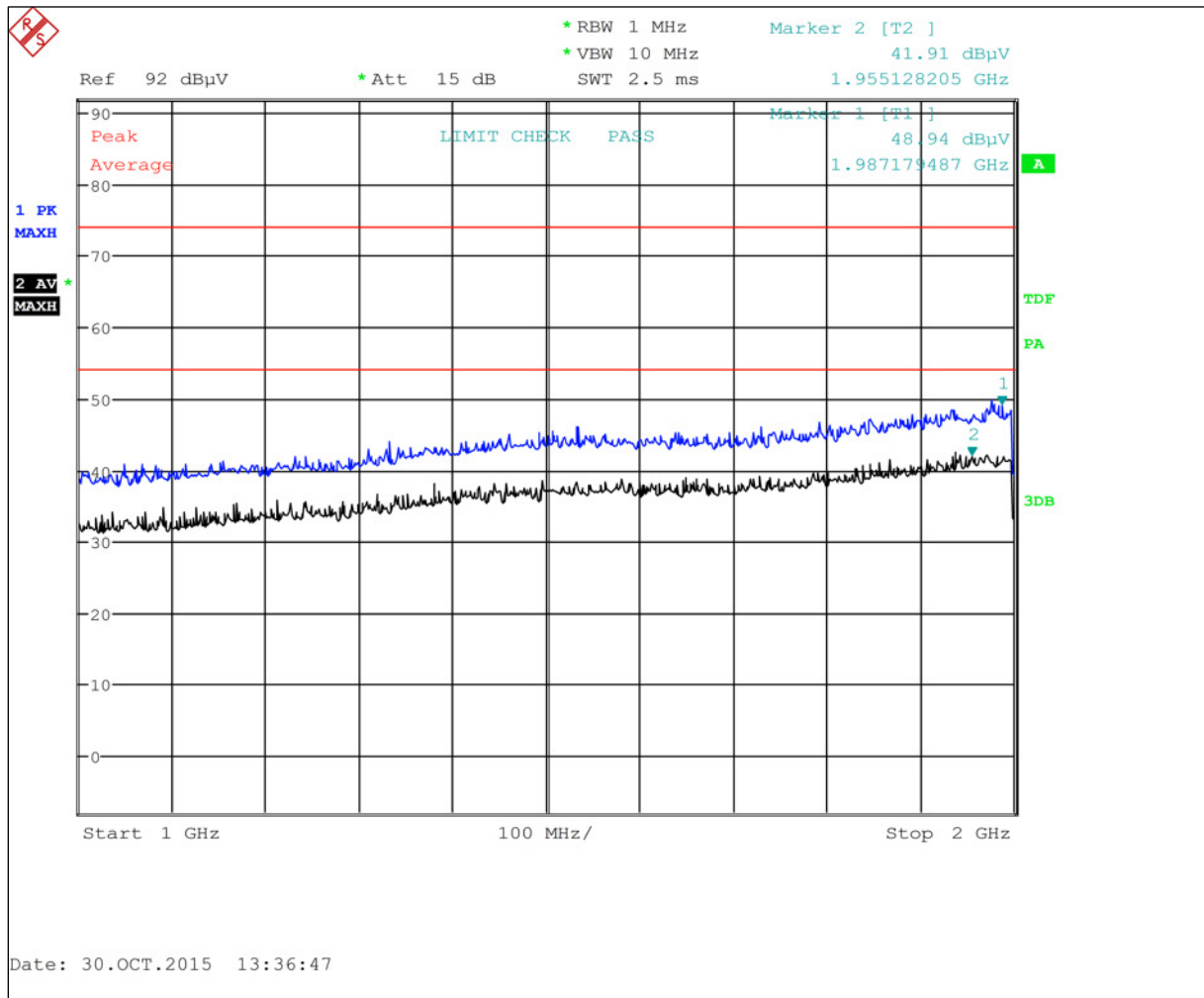
Note: Unwanted emissions were investigated as a digital device (other than harmonics) as required by 15.33(a)(3).

6.3.2.12 Radiated Emissions 1 GHz – 26 GHz Test Data – TC#4 Concrete Container

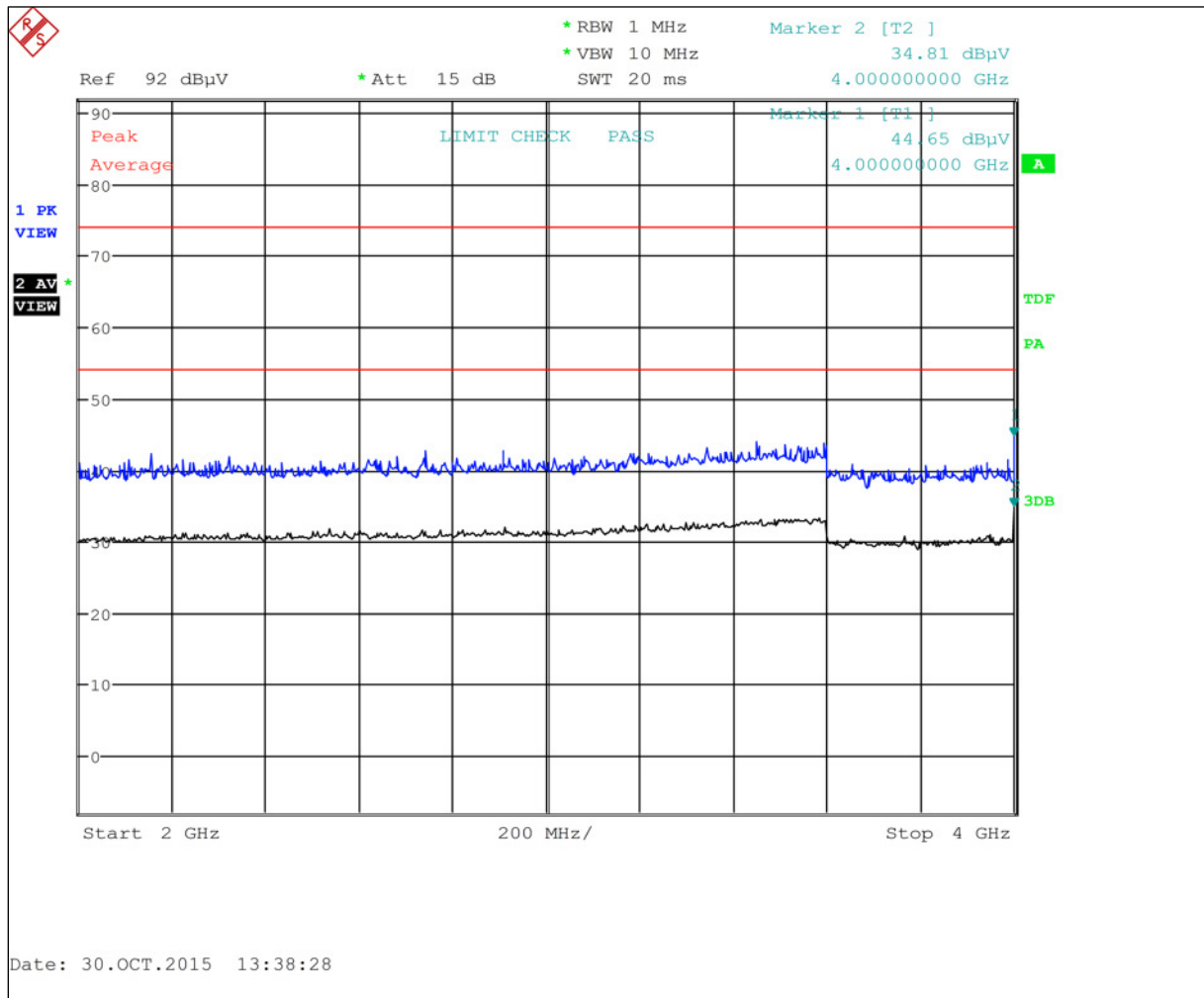
Plot 6-260: Radiated Emissions 1 GHz – 2 GHz Horizontal Peak/Average



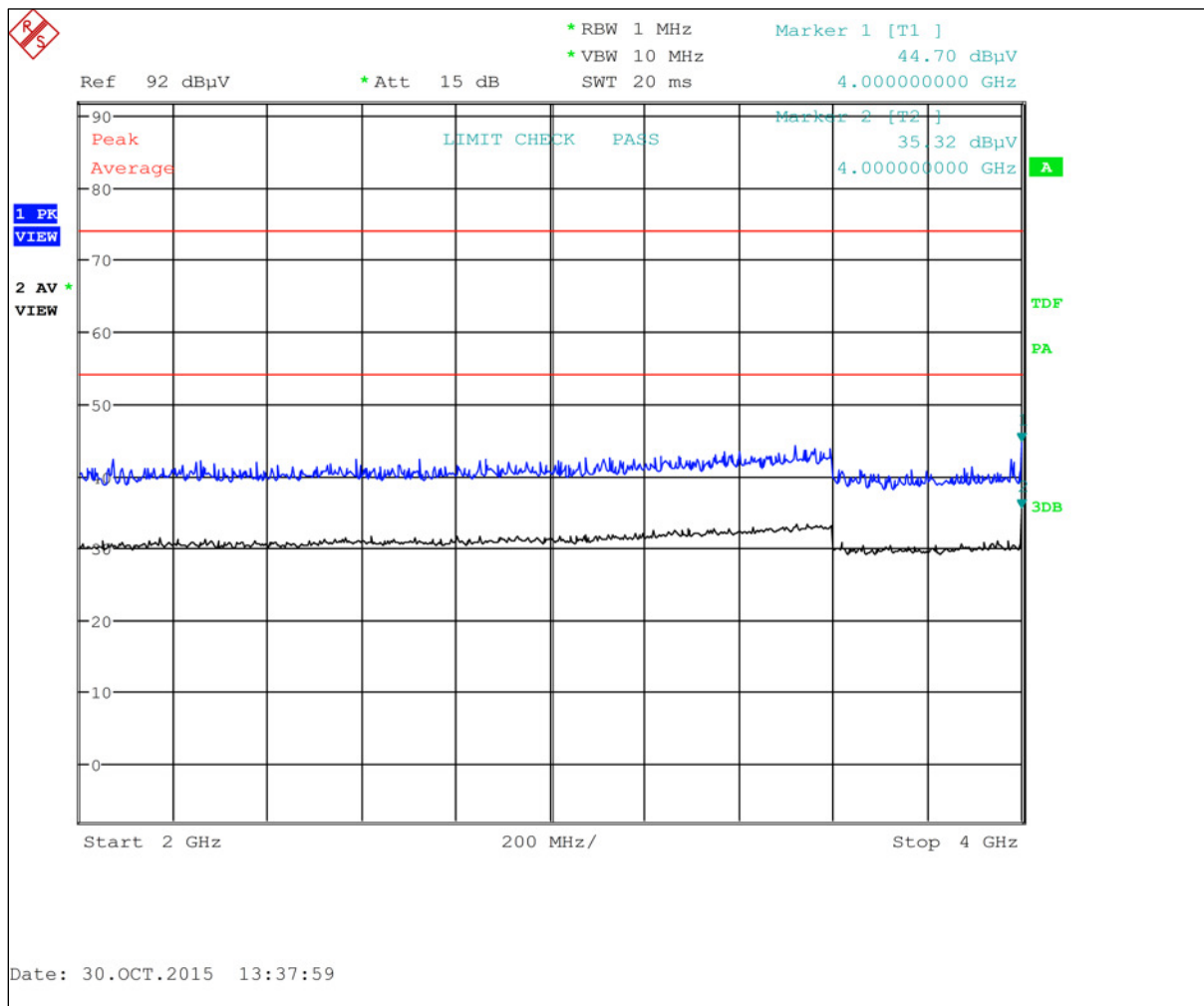
Plot 6-261: Radiated Emissions 1 GHz – 2 GHz Vertical Peak/Average



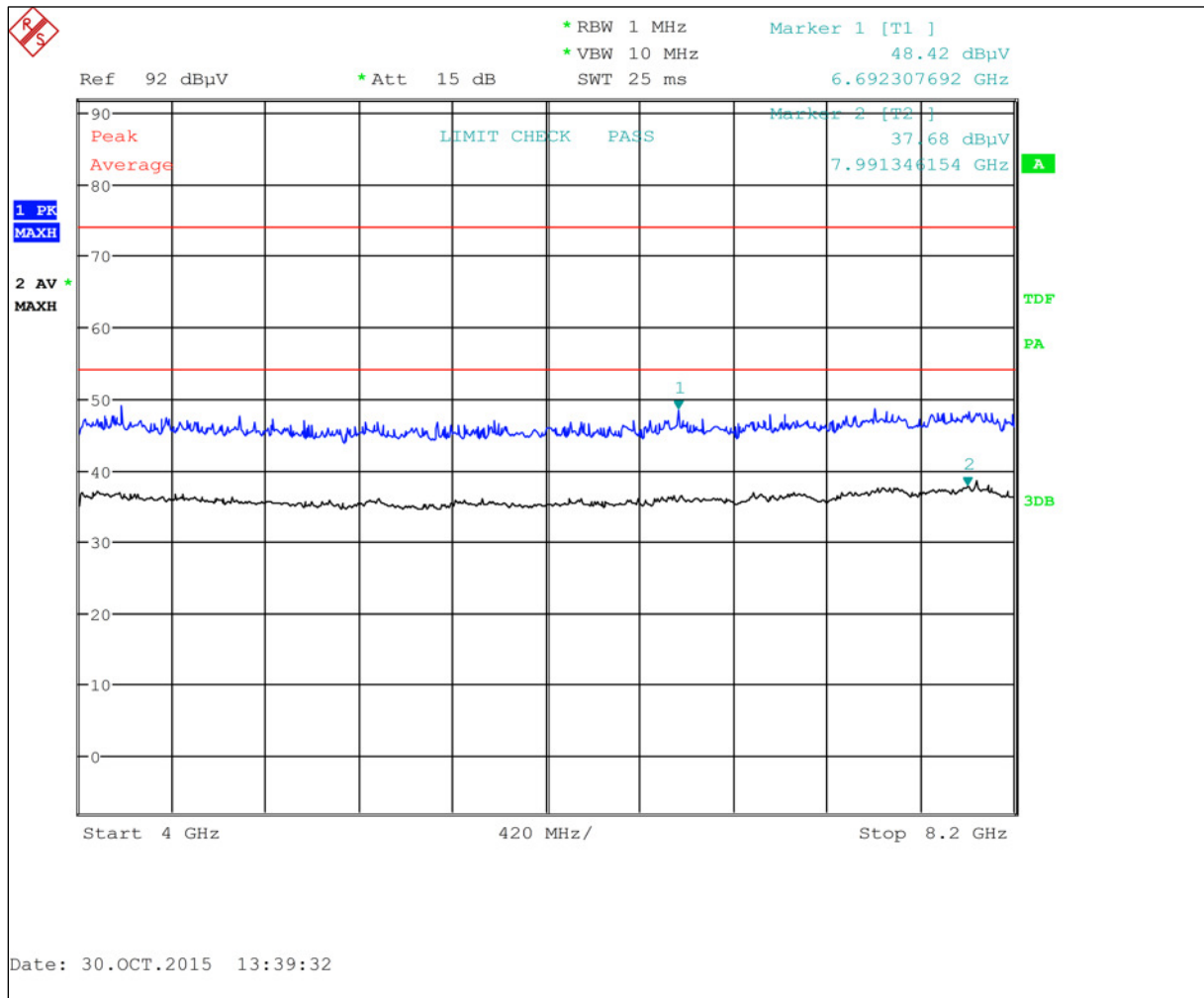
Plot 6-262: Radiated Emissions 2 GHz – 4 GHz Horizontal Peak/Average



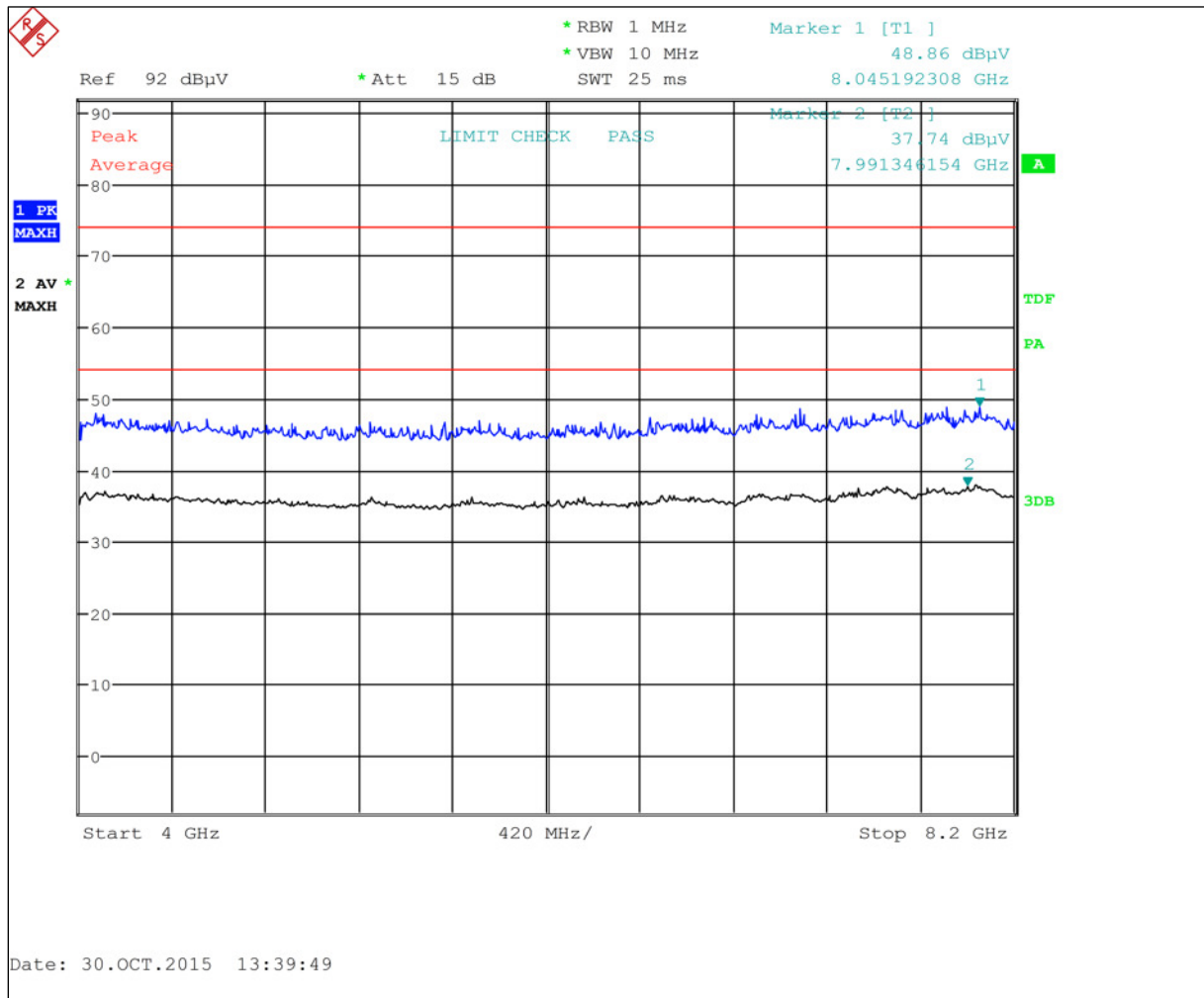
Plot 6-263: Radiated Emissions 2 GHz – 4 GHz Vertical Peak/Average



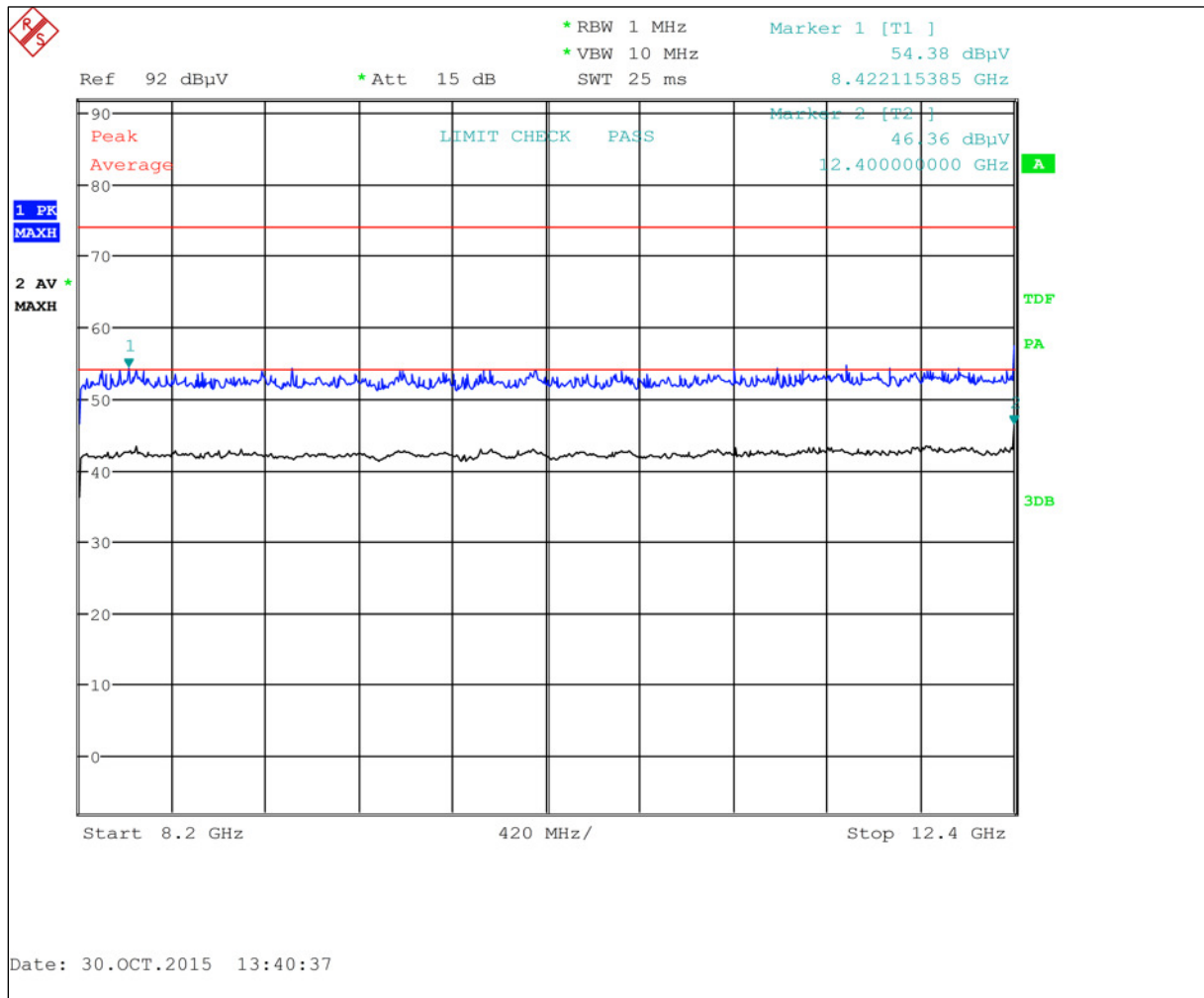
Plot 6-264: Radiated Emissions 4 GHz – 8 GHz Horizontal Peak/Average



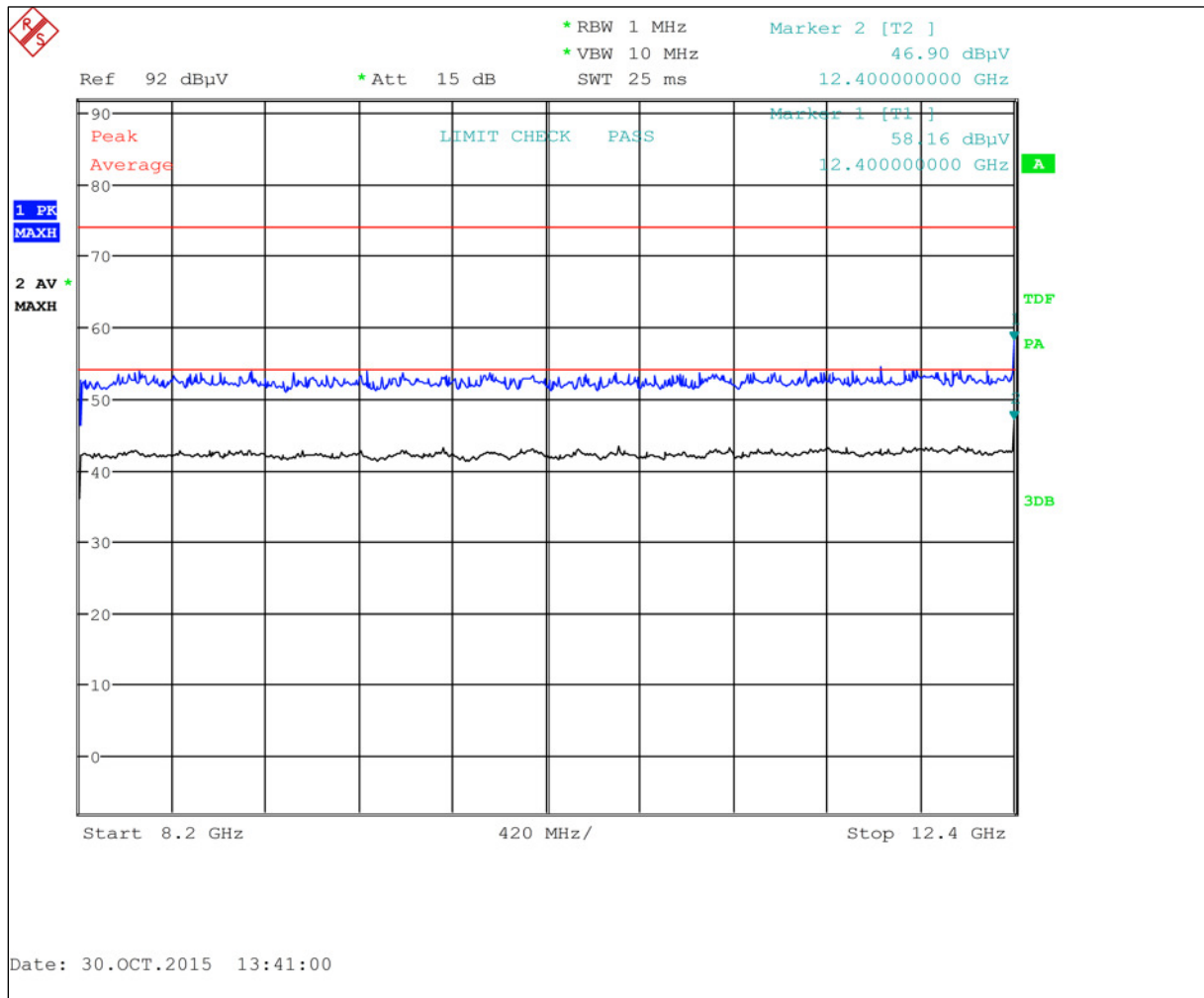
Plot 6-265: Radiated Emissions 4 GHz – 8 GHz Vertical Peak/Average



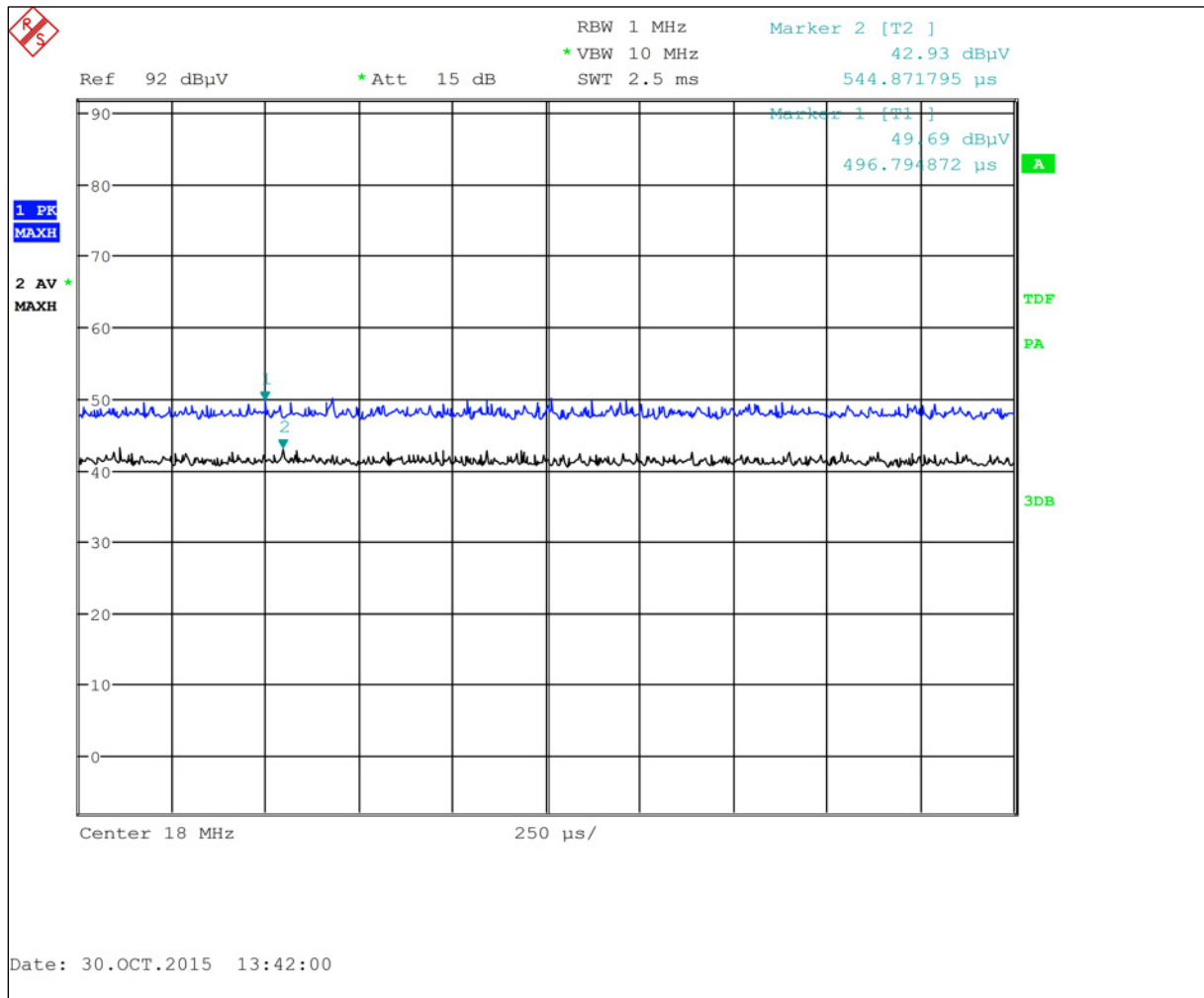
Plot 6-266: Radiated Emissions 8 GHz – 12 GHz Horizontal Peak/Average



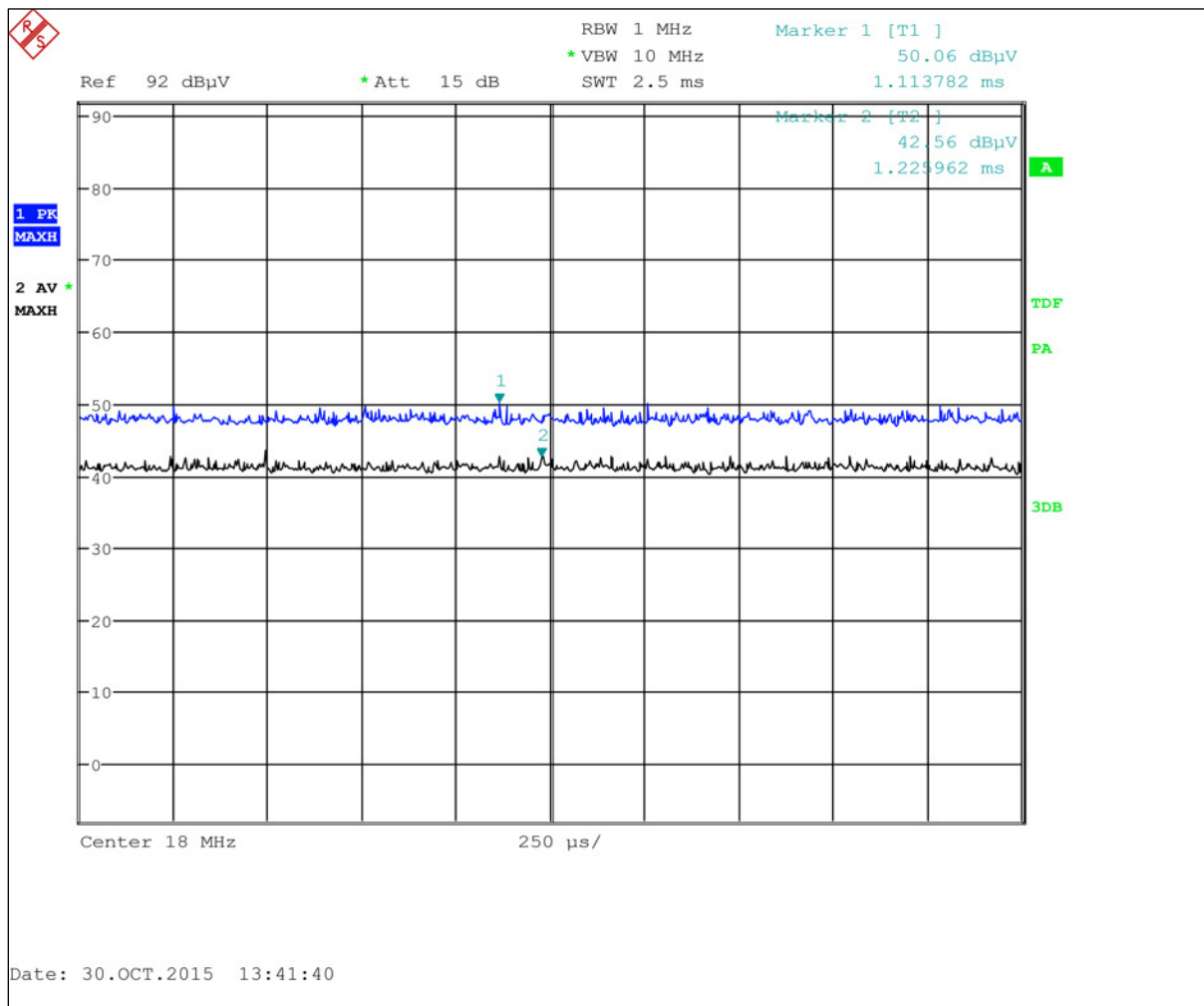
Plot 6-267: Radiated Emissions 8 GHz – 12 GHz Vertical Peak/Average



Plot 6-268: Radiated Emissions 12 GHz – 18 GHz Horizontal Peak/Average



Plot 6-269: Radiated Emissions 12 GHz – 18 GHz Vertical Peak/Average



Plot 6-270: Radiated Emissions 18 GHz – 26 GHz Horizontal Peak/Average

