

### 6.3.2.13 Radiated Emissions Carrier Test Data - TC#5 Concrete Container

Plot 6-272: Radiated Emissions of Carrier - TC #5 Concrete Container

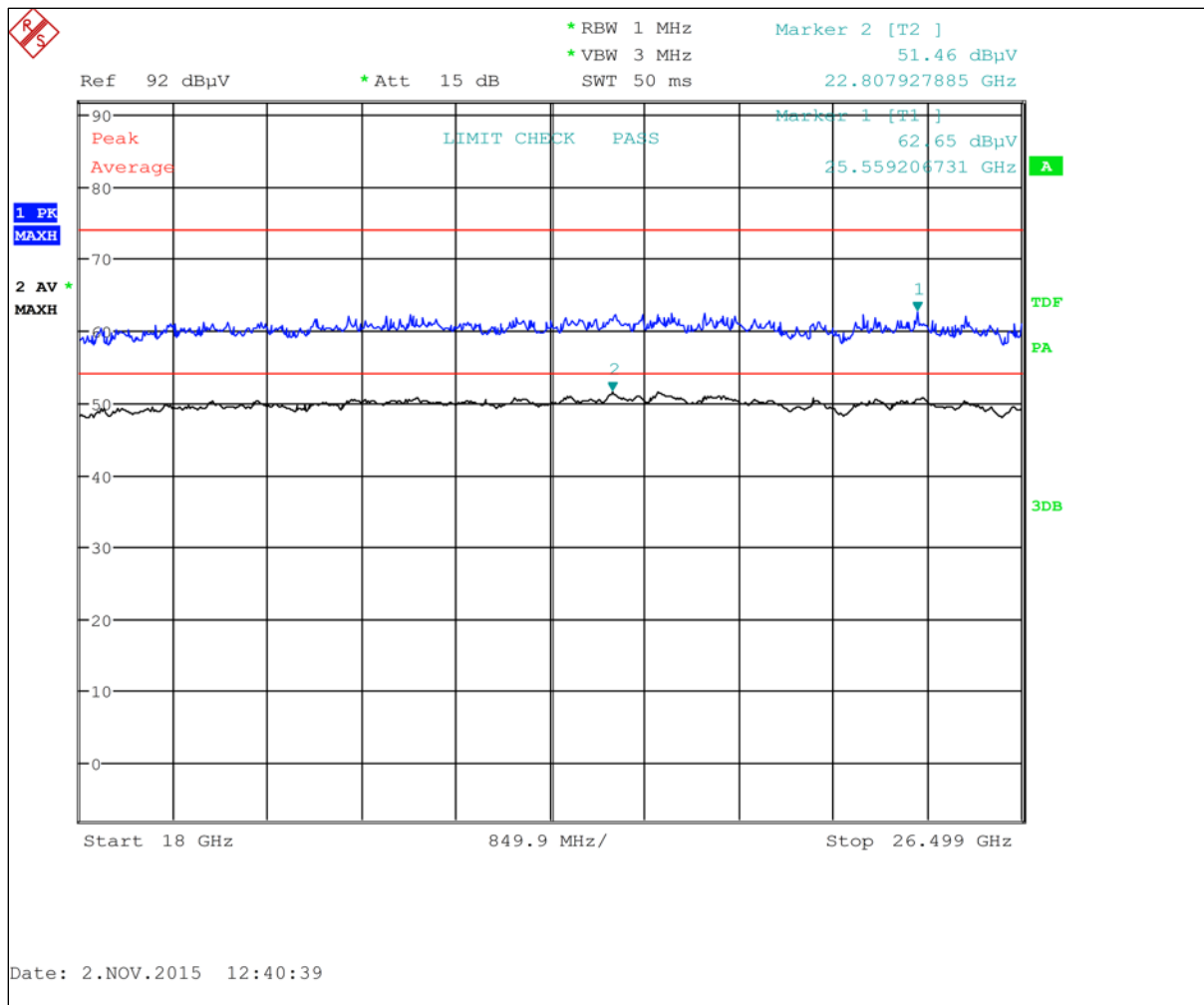
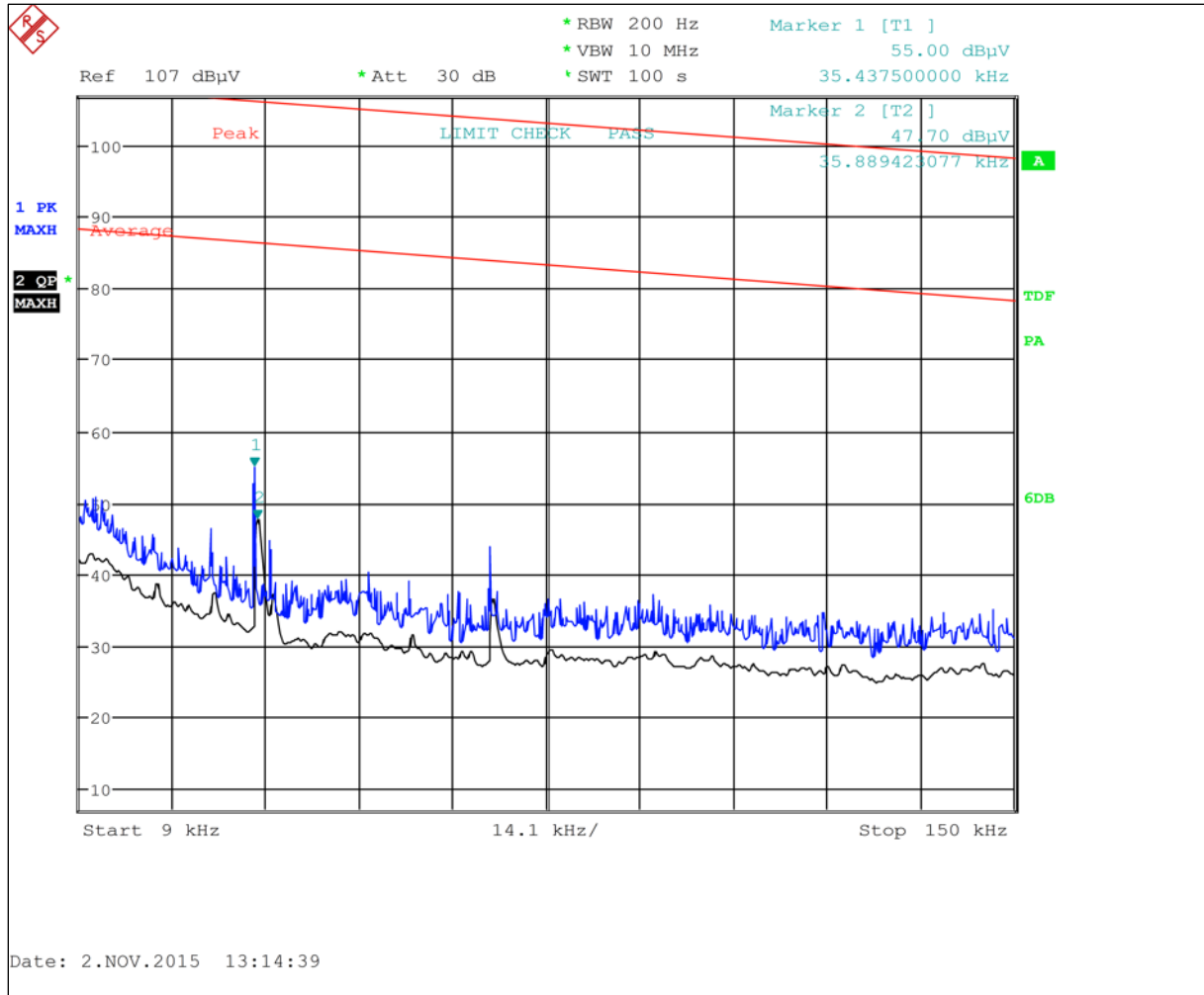


Table 6-14: Radiated Emissions of Carrier – TC #5 Concrete Container

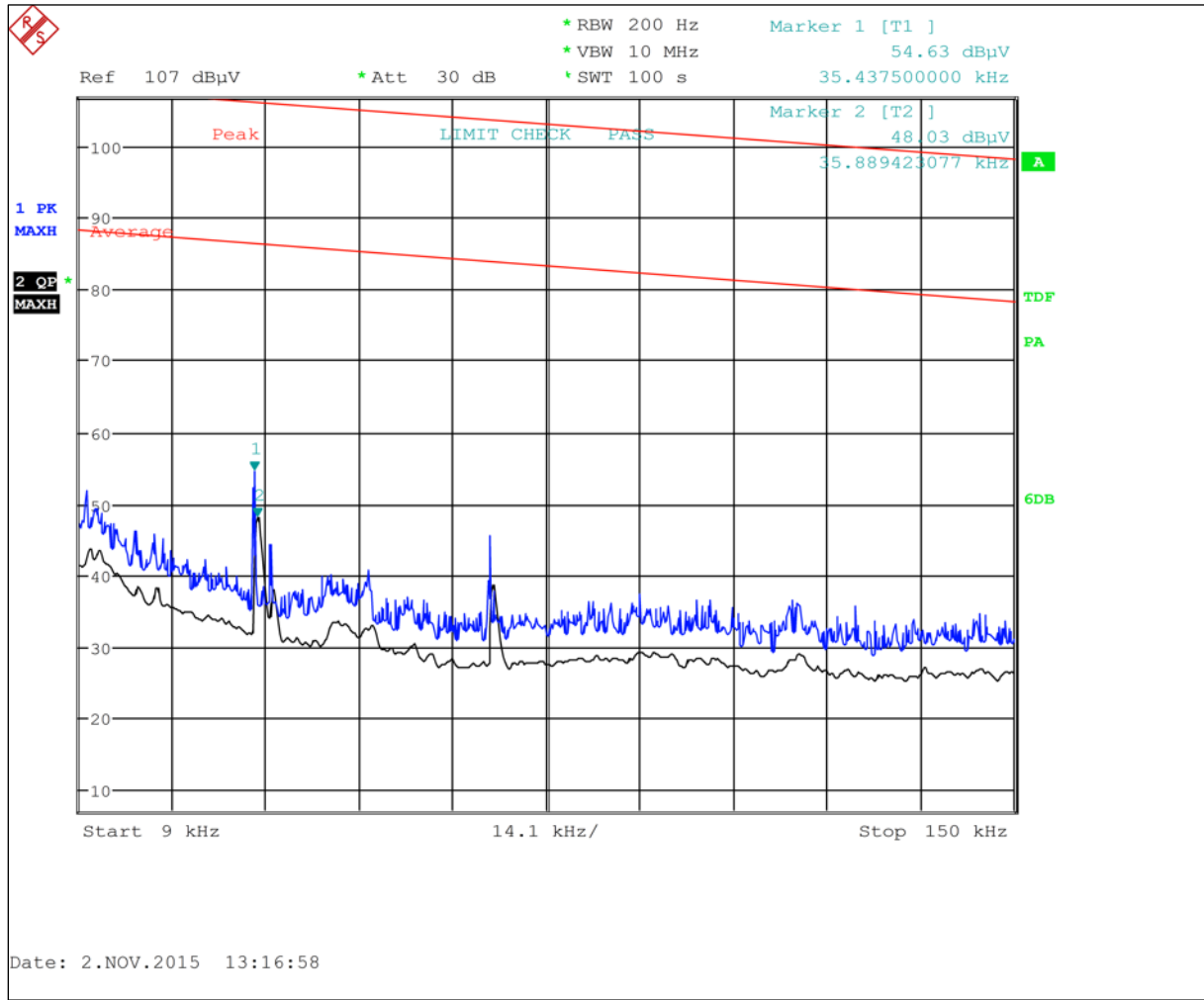
| Frequency (GHz) | Detector | Test Antenna Pol | Corrected Spectrum Analyzer Level (dBμV/m) | FCC Limit (dBμV) | Margin (dB) | Corrected Spectrum Analyzer Level (dBm/MHz) | IC Limit (dBm/MHz) | Margin (dBm) |
|-----------------|----------|------------------|--------------------------------------------|------------------|-------------|---------------------------------------------|--------------------|--------------|
| 25.5592         | Peak     | H                | 62.6                                       | 74.0             | -11.4       | NA                                          |                    |              |
| 22.8079         | Average  | H                | 51.5                                       | 54.0             | -2.5        | -43.7                                       | -41.3              | 2.4          |

### 6.3.2.14 Radiated Emissions Below 1 GHz Test Data – TC#5 Concrete Container

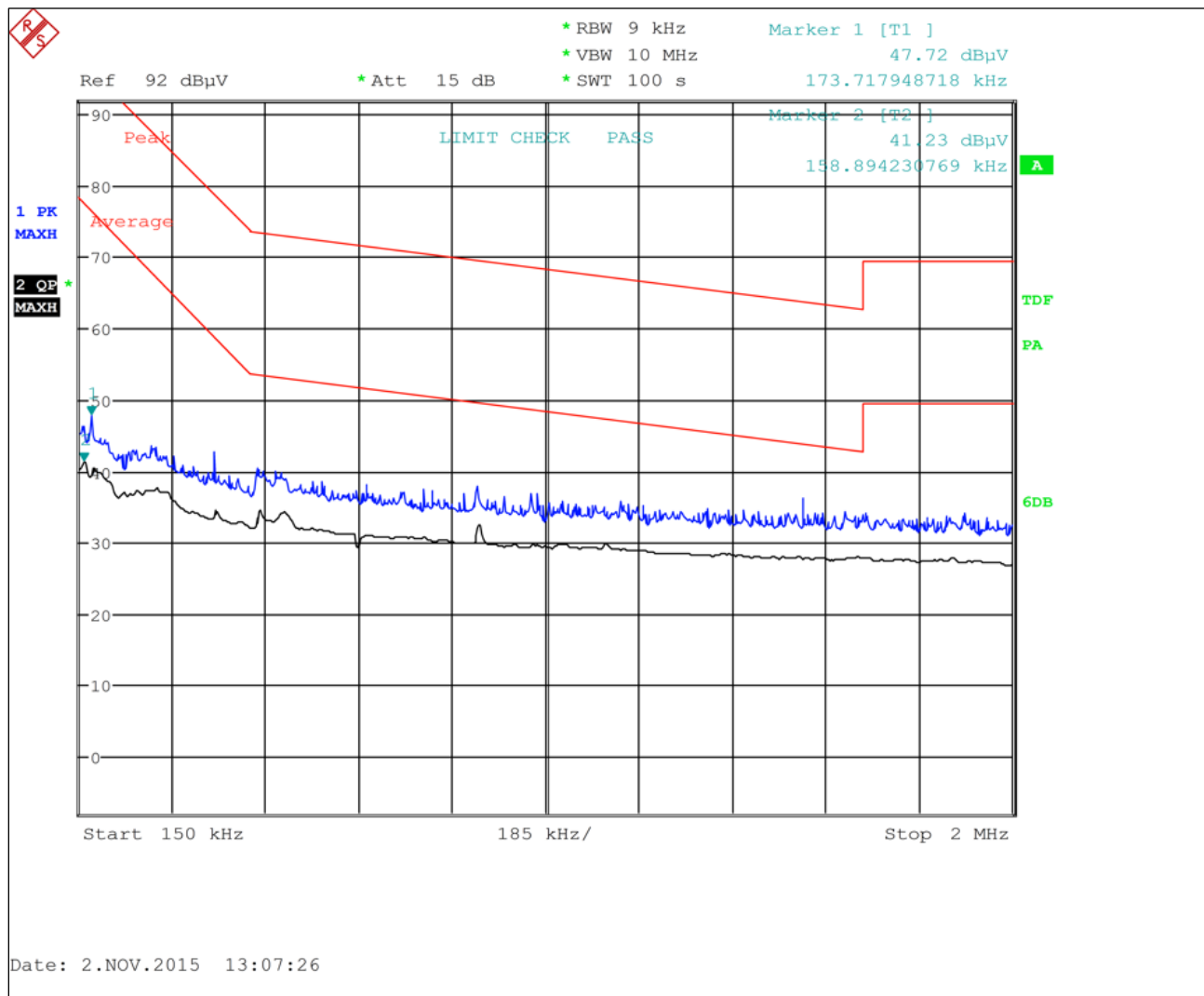
**Plot 6-273: Radiated Emissions Transmit – 9 kHz – 150 kHz Horizontal Peak/Average**



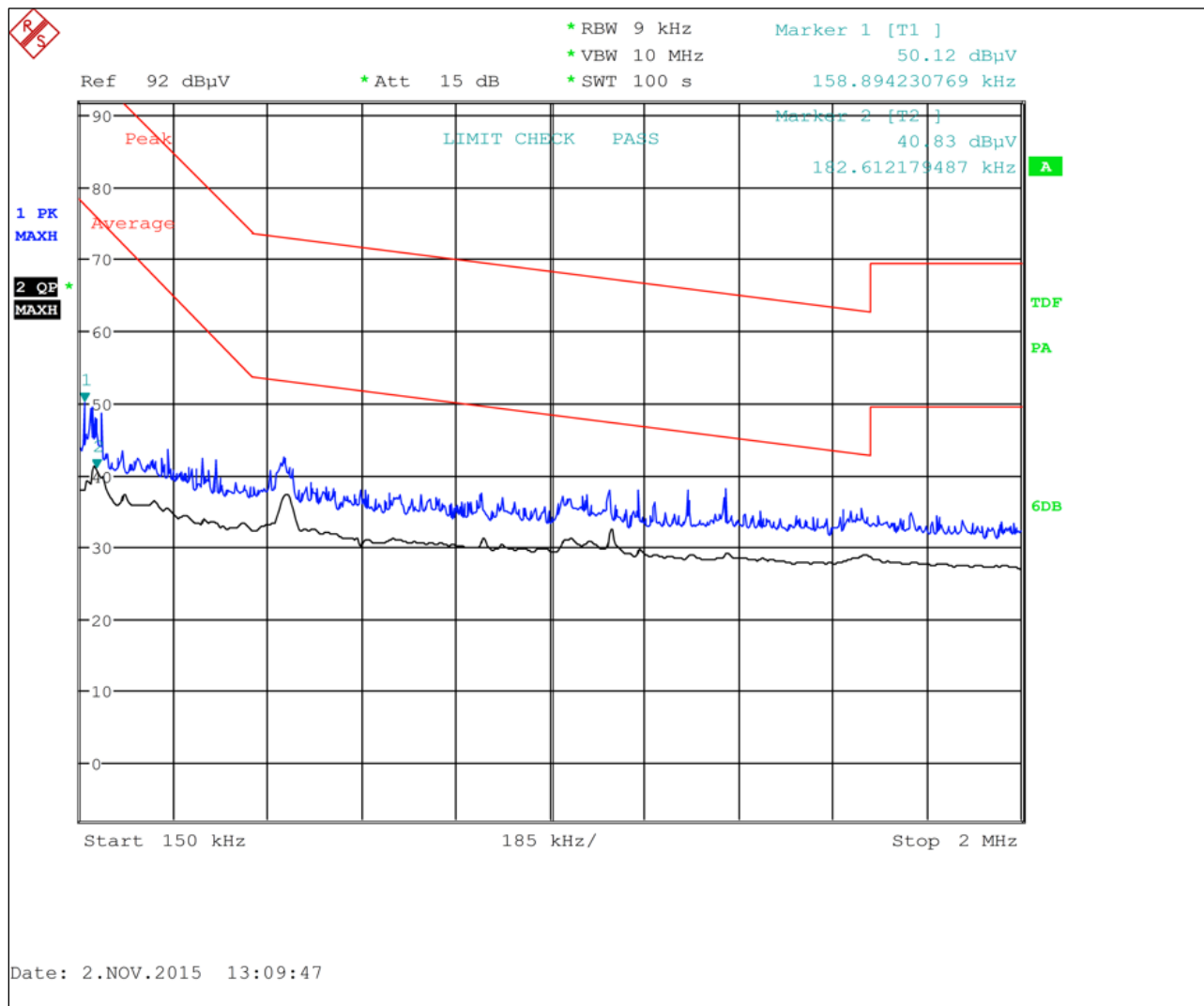
**Plot 6-274: Radiated Emissions Transmit – 9 kHz – 150 kHz Vertical Peak/Average**



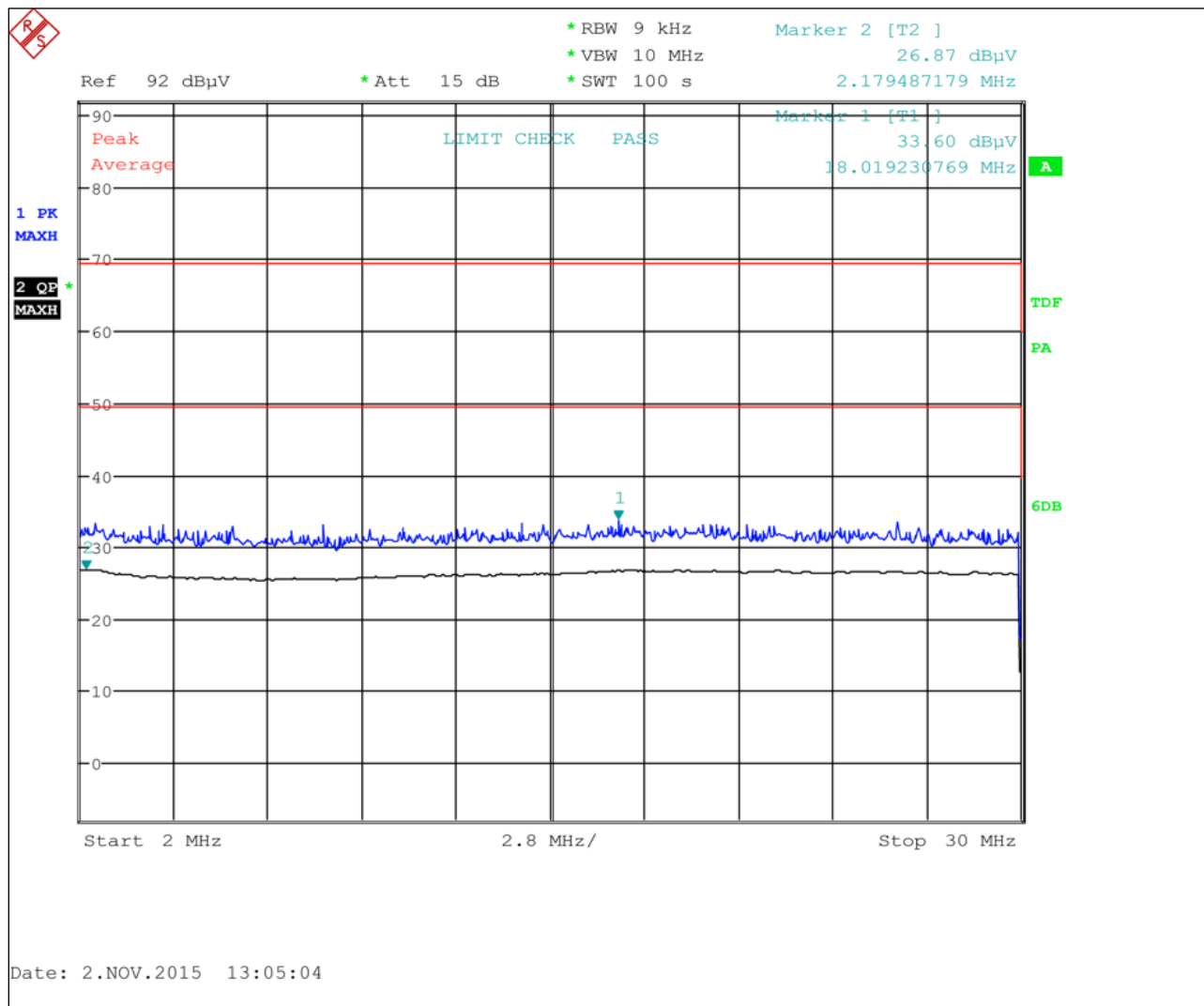
**Plot 6-275: Radiated Emissions Transmit – 150 kHz – 2 MHz Horizontal Peak/Average**



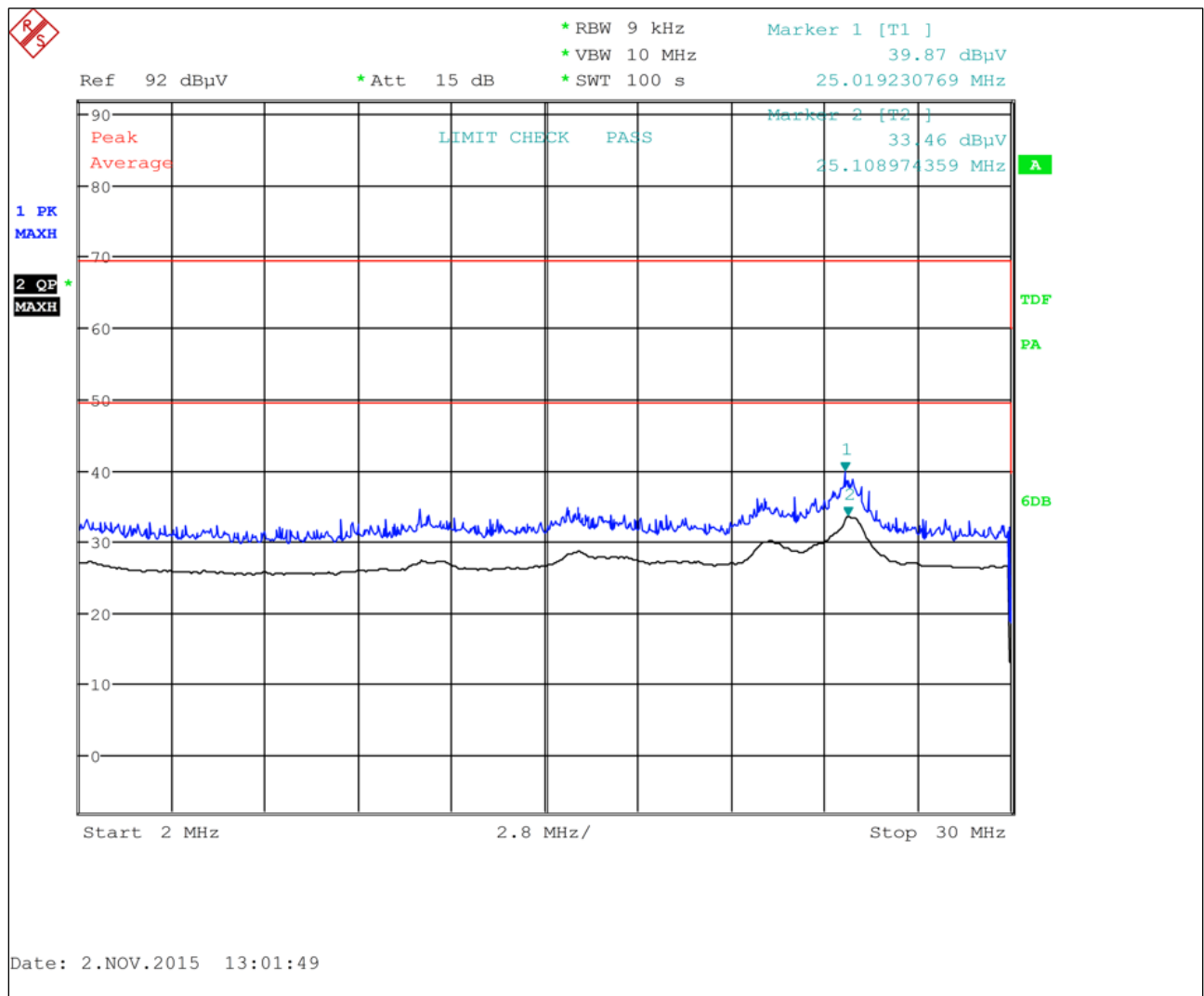
**Plot 6-276: Radiated Emissions Transmit – 150 kHz – 2 MHz Vertical Peak/Average**



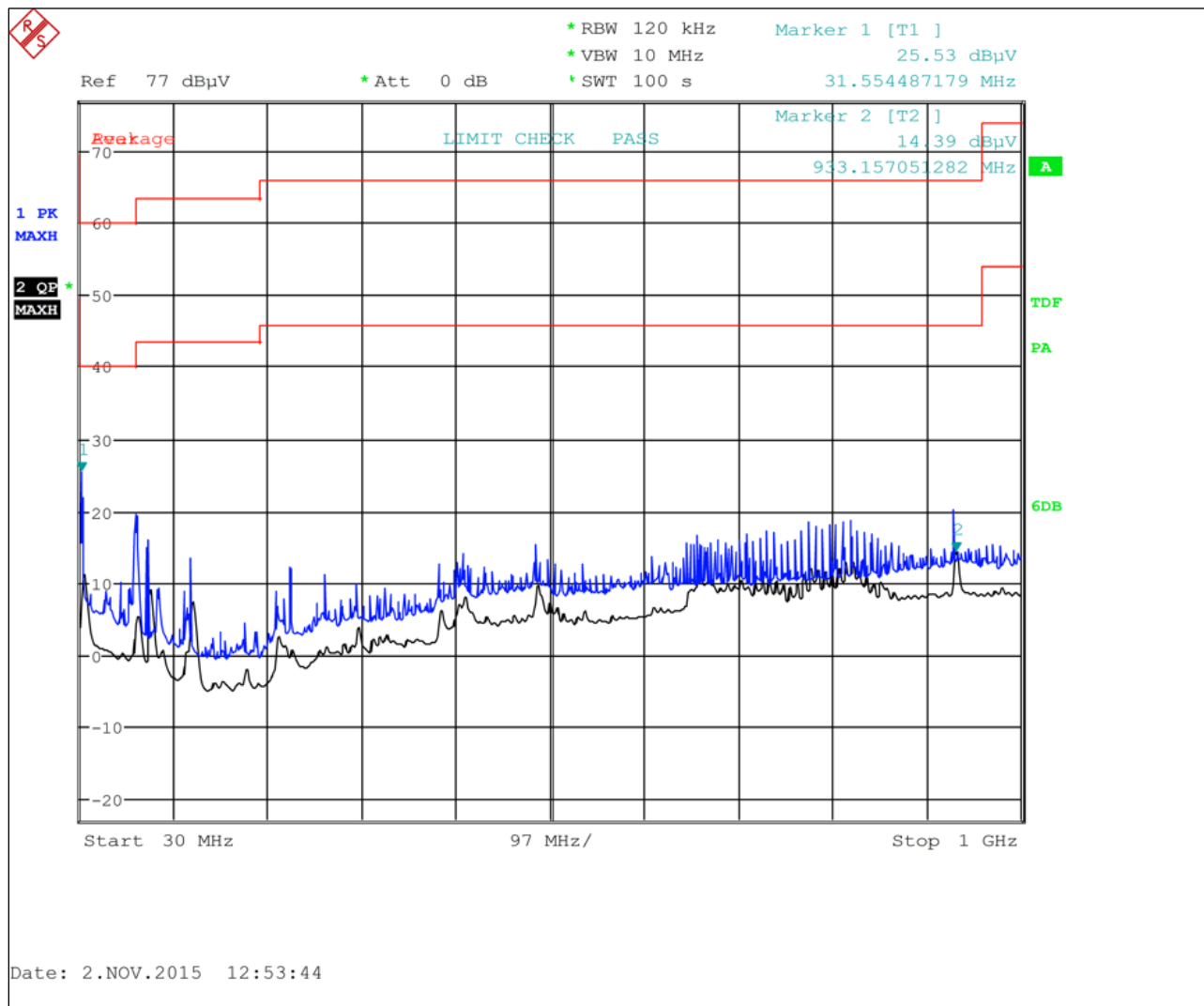
**Plot 6-277: Radiated Emissions Transmit – 2 MHz – 30 MHz Horizontal Peak/Average**



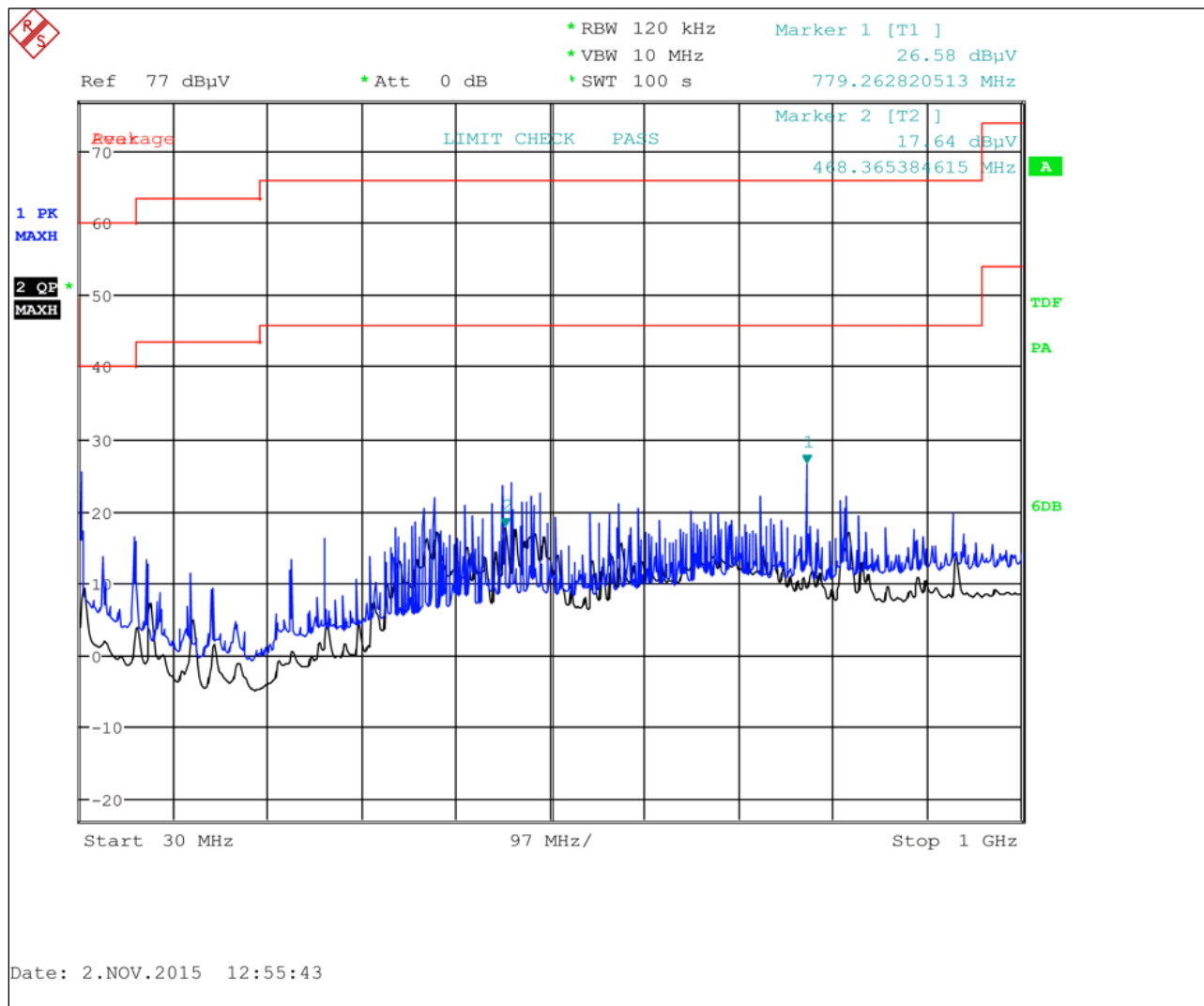
**Plot 6-278: Radiated Emissions Transmit – 2 MHz – 30 MHz Vertical Peak/Average**



**Plot 6-279: Radiated Emissions Transmit – 30 MHz – 1 GHz Horizontal Peak/Average**



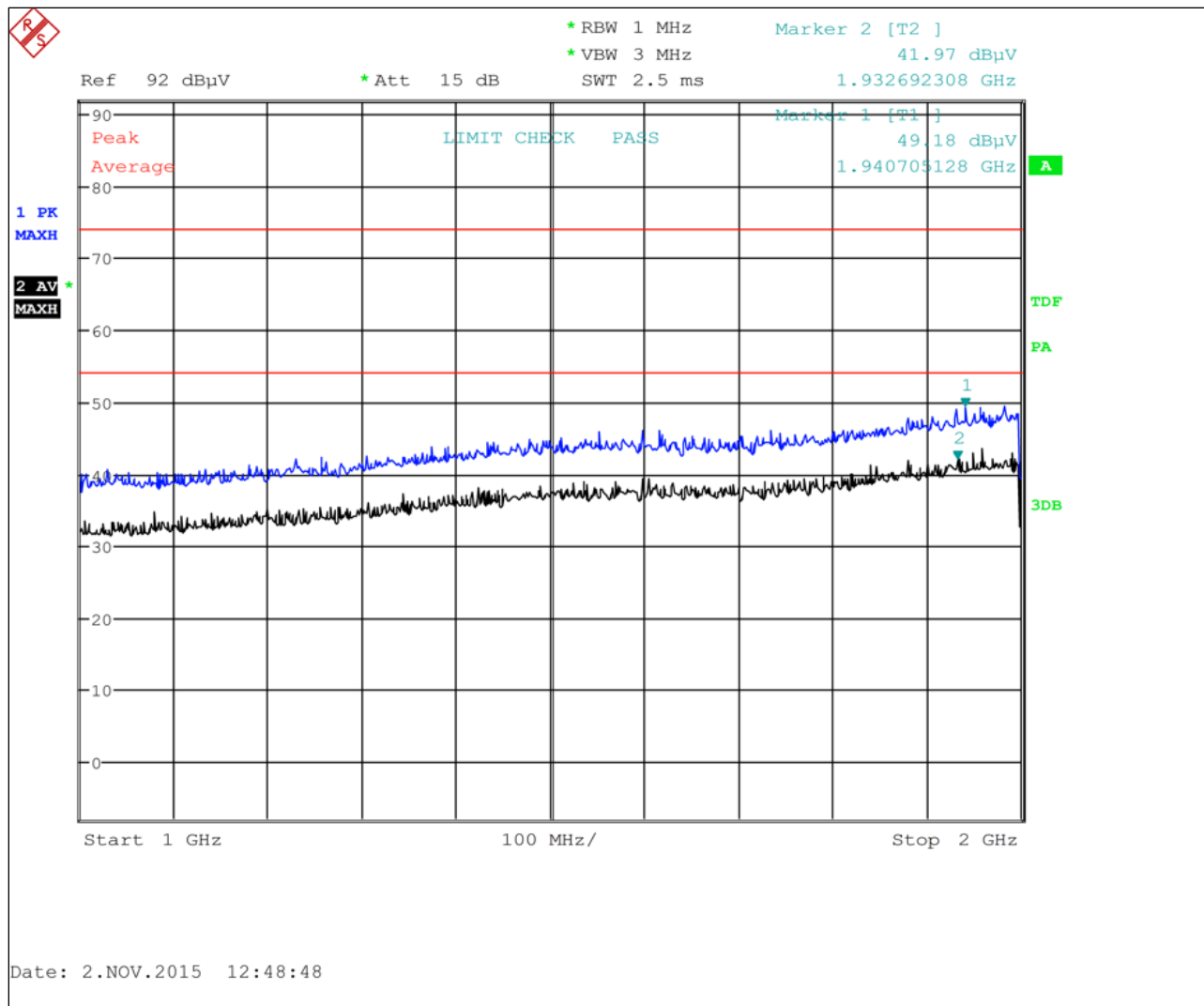
**Plot 6-280: Radiated Emissions Transmit – 30 MHz – 1 GHz Vertical Peak/Average**



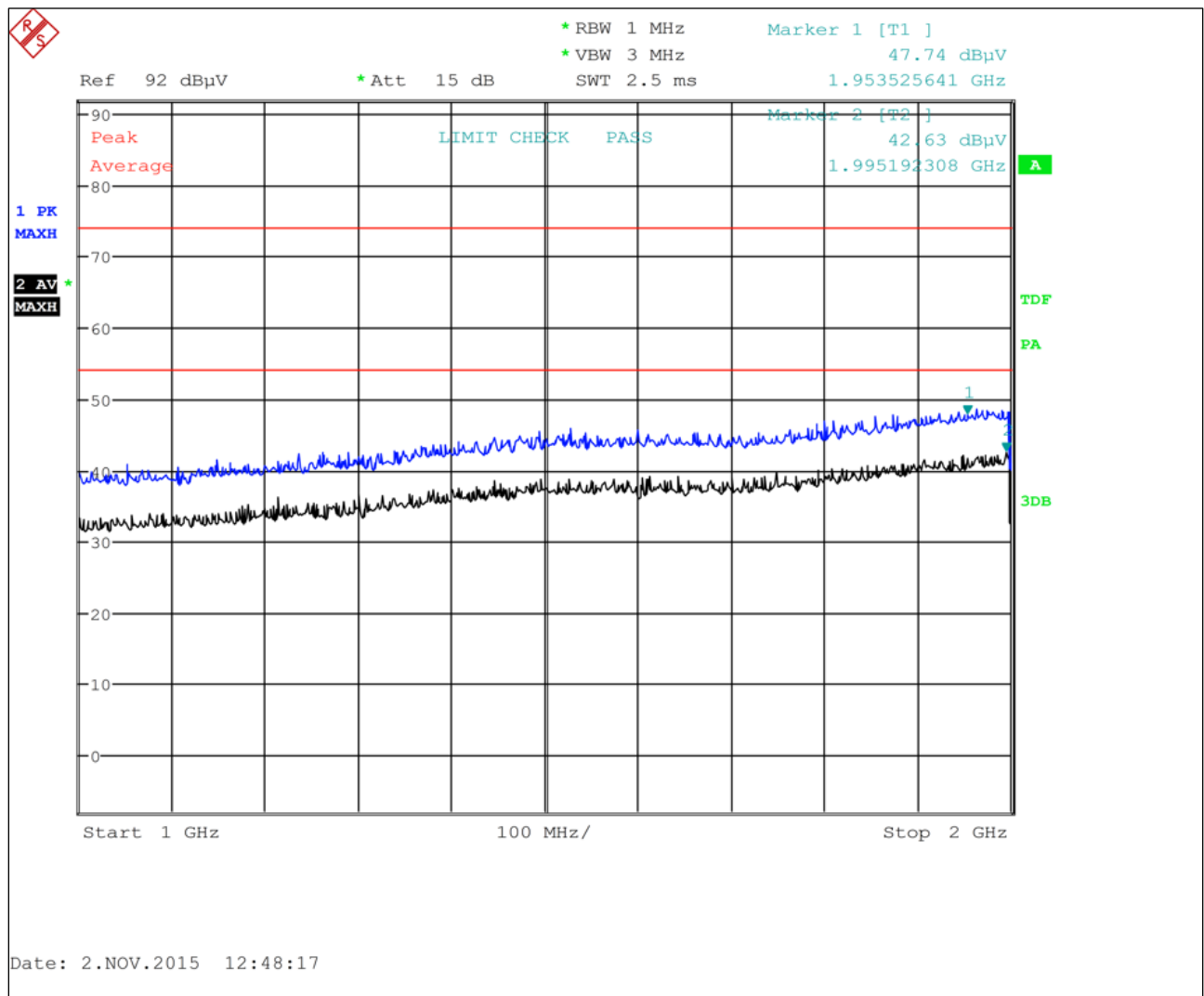
Note: Unwanted emissions were investigated as a digital device (other than harmonics) as required by 15.33(a)(3).

### 6.3.2.15 Radiated Emissions 1 GHz – 26 GHz Test Data – TC#5 Concrete Container

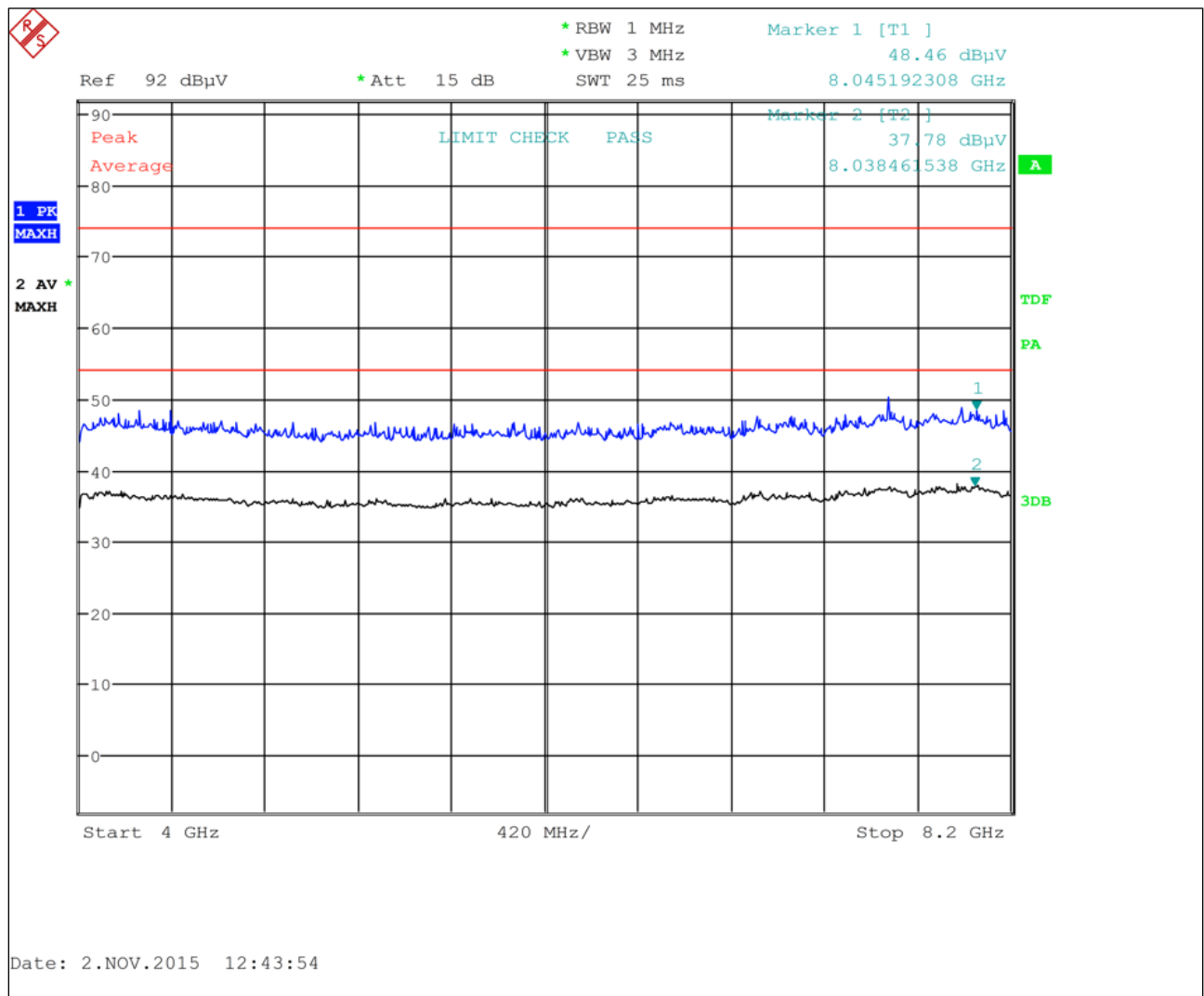
Plot 6-281: Radiated Emissions 1 GHz – 2 GHz Horizontal Peak/Average



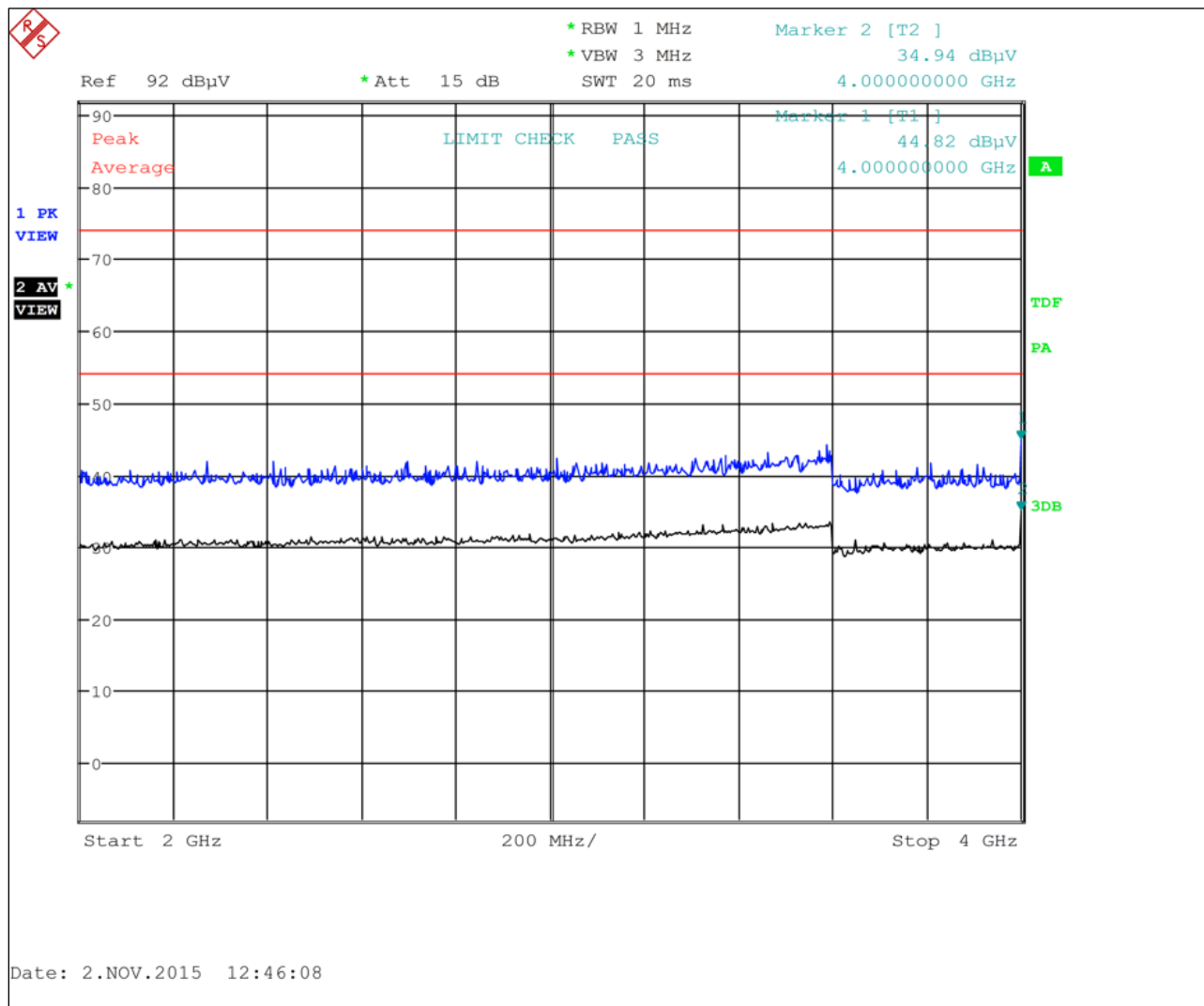
**Plot 6-282: Radiated Emissions 1 GHz – 2 GHz Vertical Peak/Average**



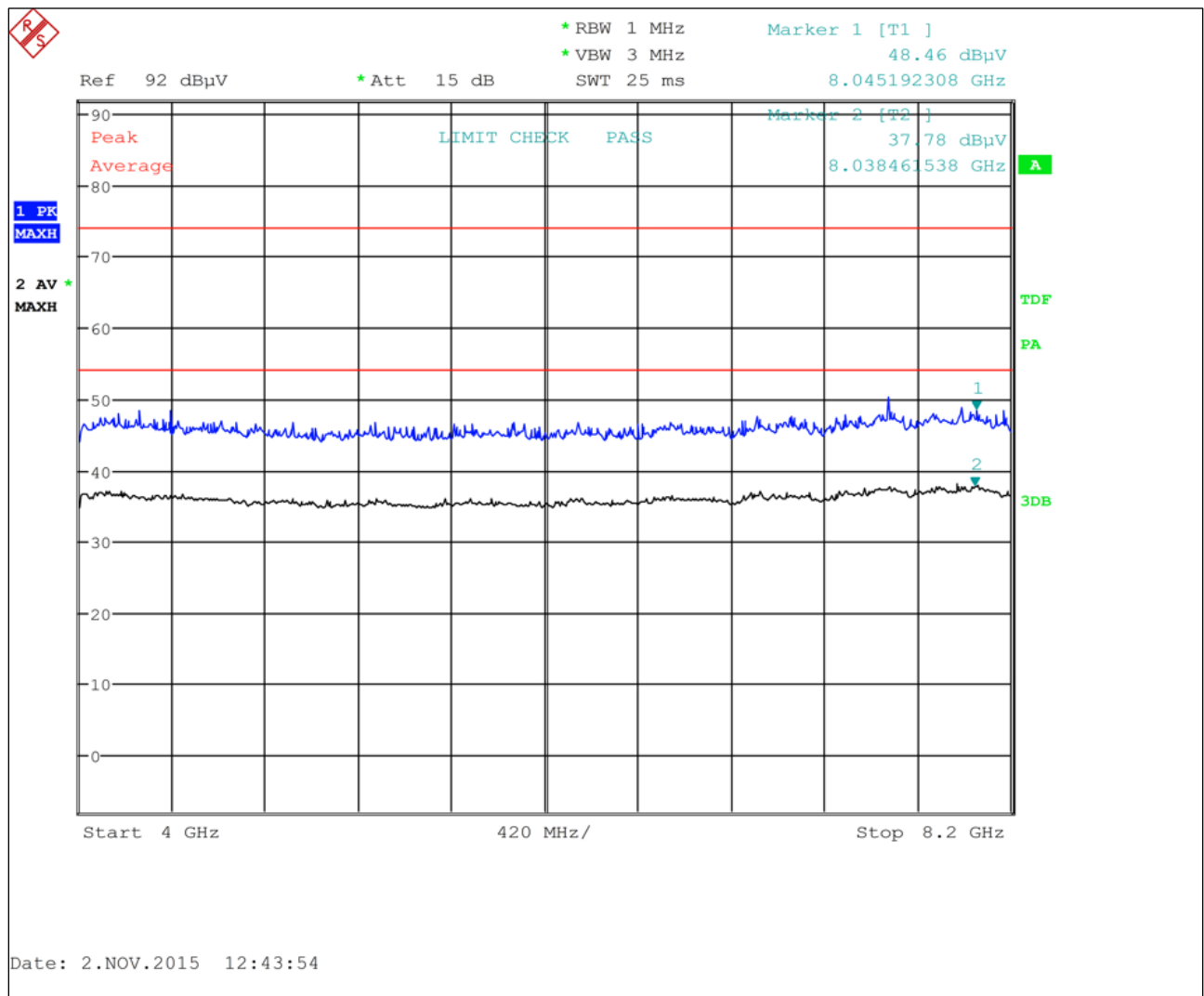
**Plot 6-283: Radiated Emissions 2 GHz – 4 GHz Horizontal Peak/Average**



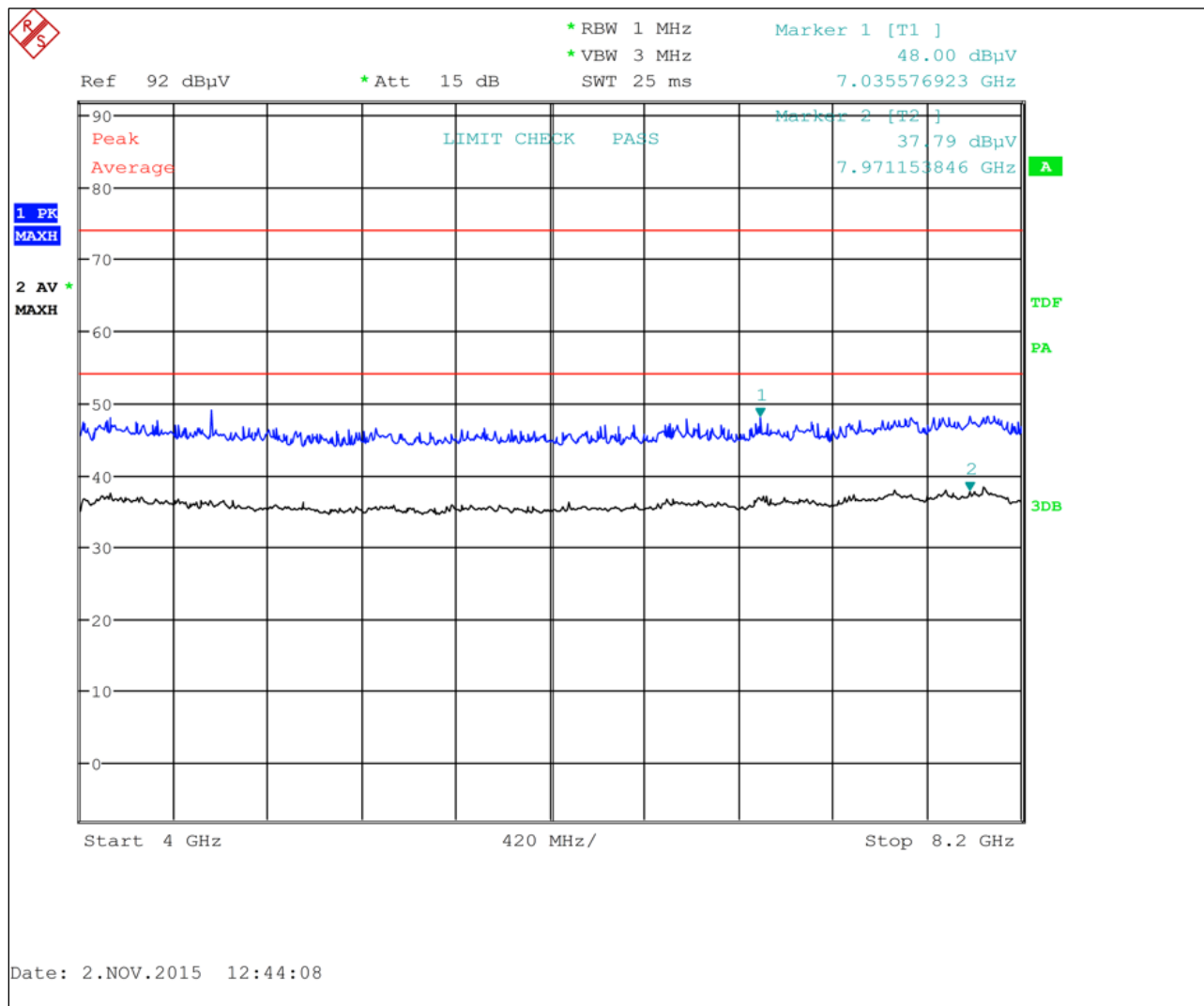
**Plot 6-284: Radiated Emissions 2 GHz – 4 GHz Vertical Peak/Average**



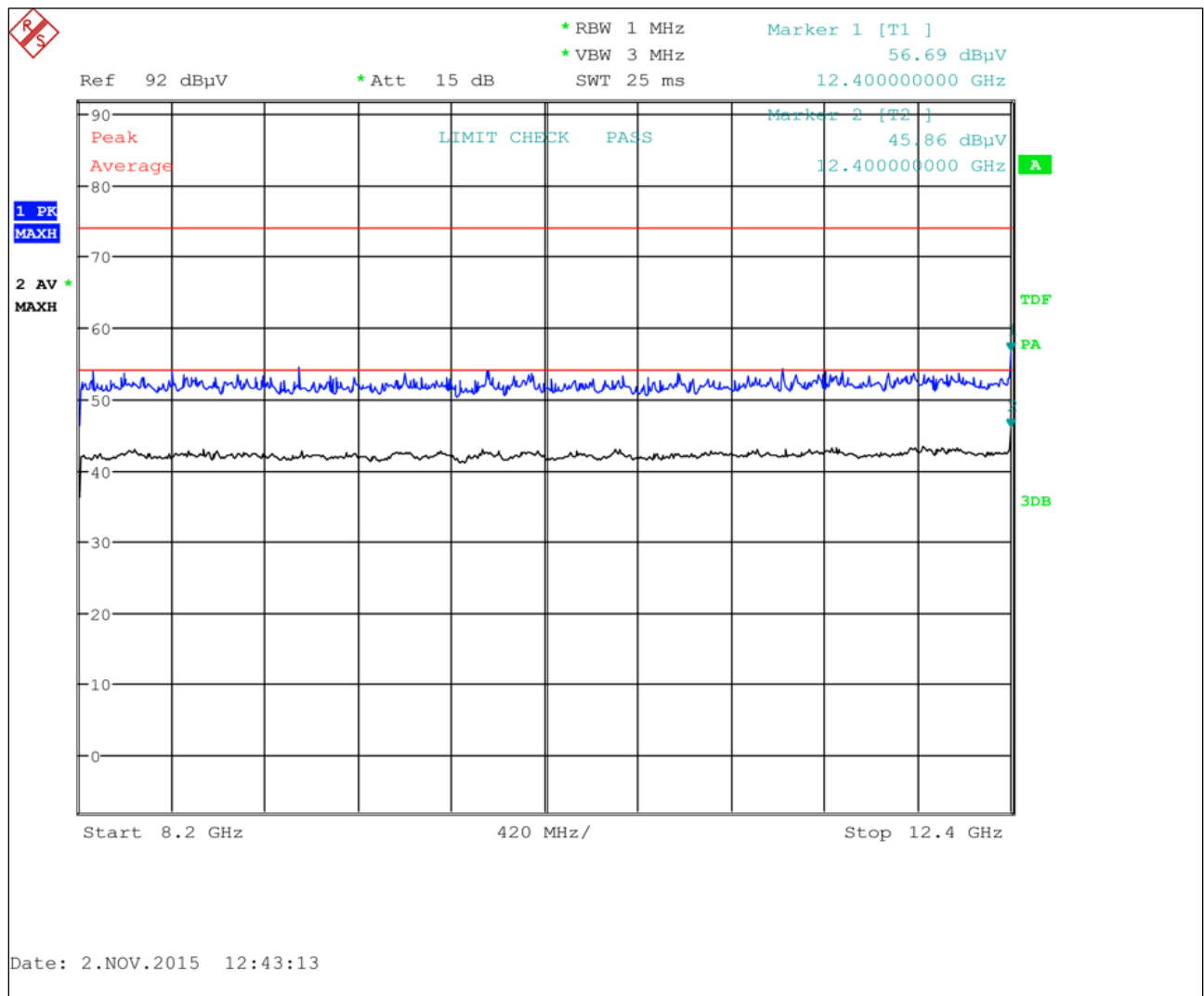
**Plot 6-285: Radiated Emissions 4 GHz – 8 GHz Horizontal Peak/Average**



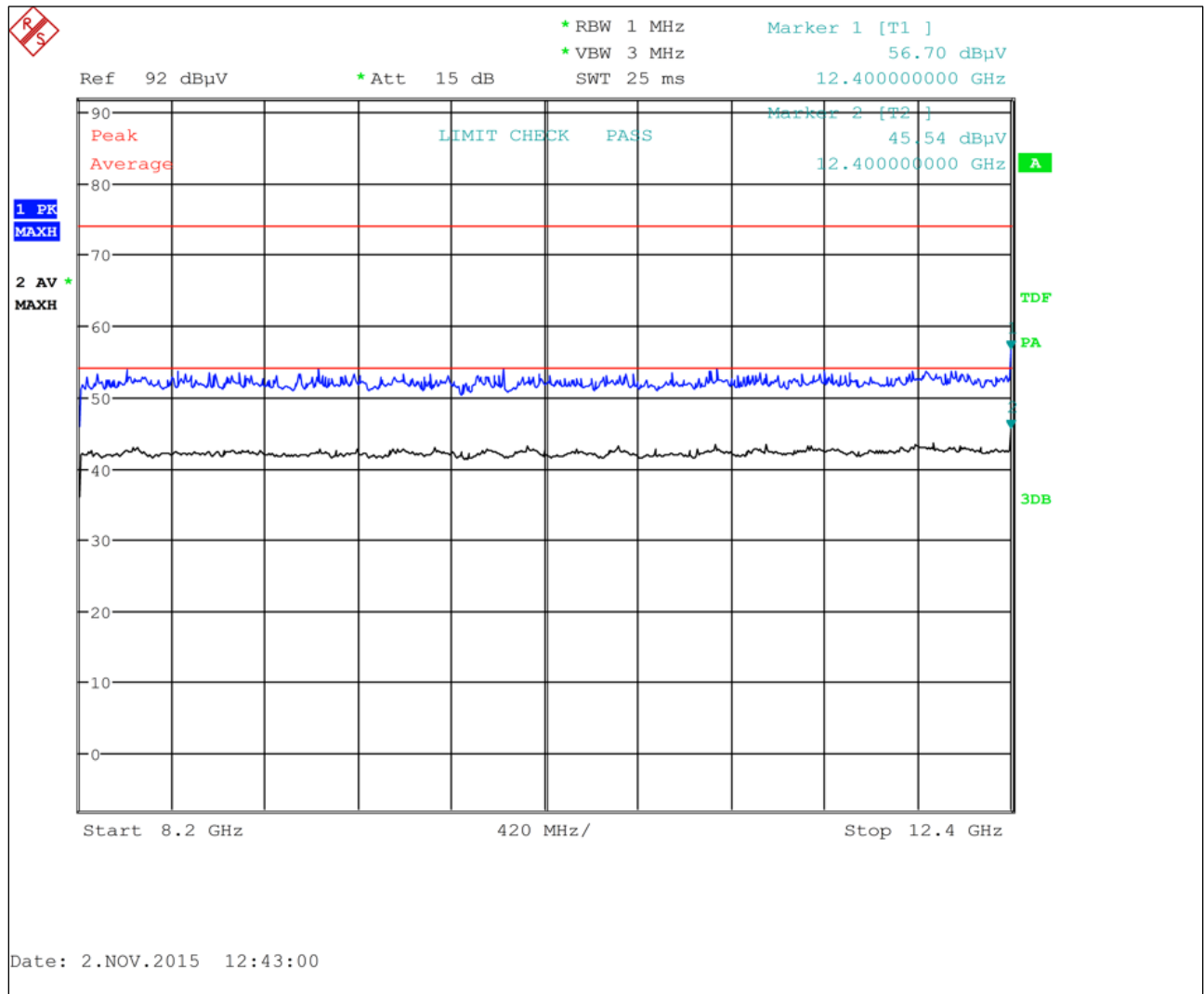
**Plot 6-286: Radiated Emissions 4 GHz – 8 GHz Vertical Peak/Average**



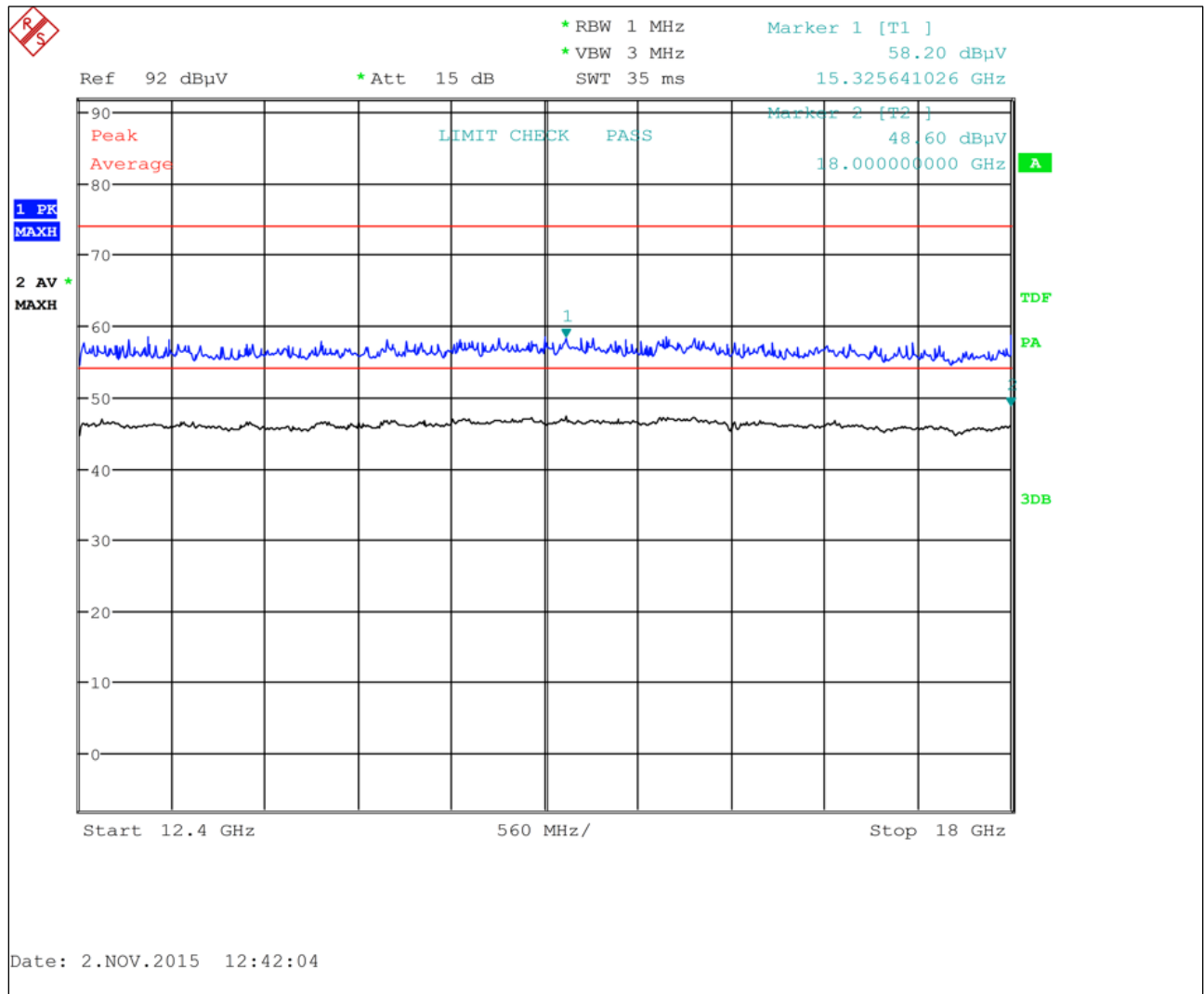
**Plot 6-287: Radiated Emissions 8 GHz – 12 GHz Horizontal Peak/Average**



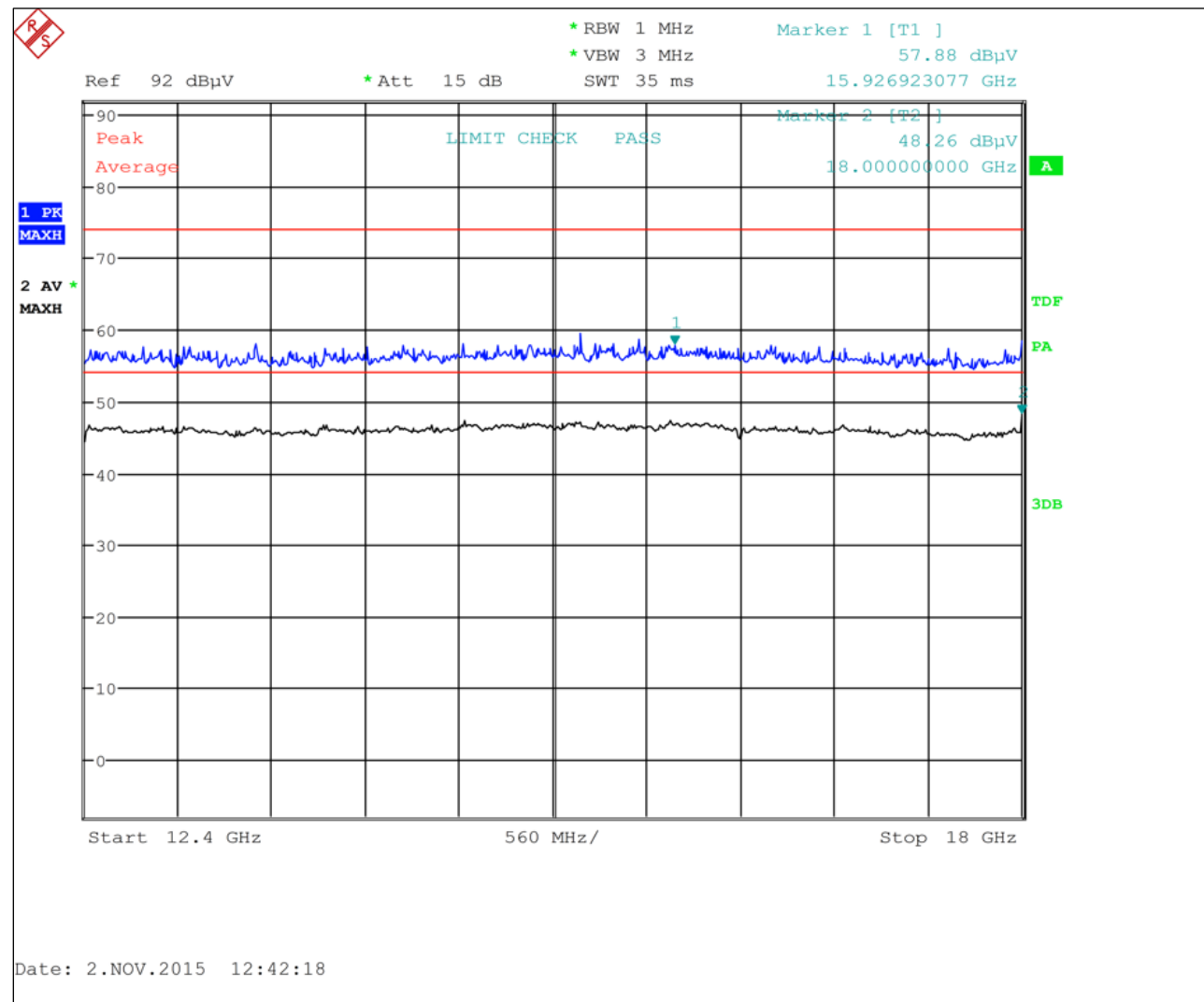
**Plot 6-288: Radiated Emissions 8 GHz – 12 GHz Vertical Peak/Average**



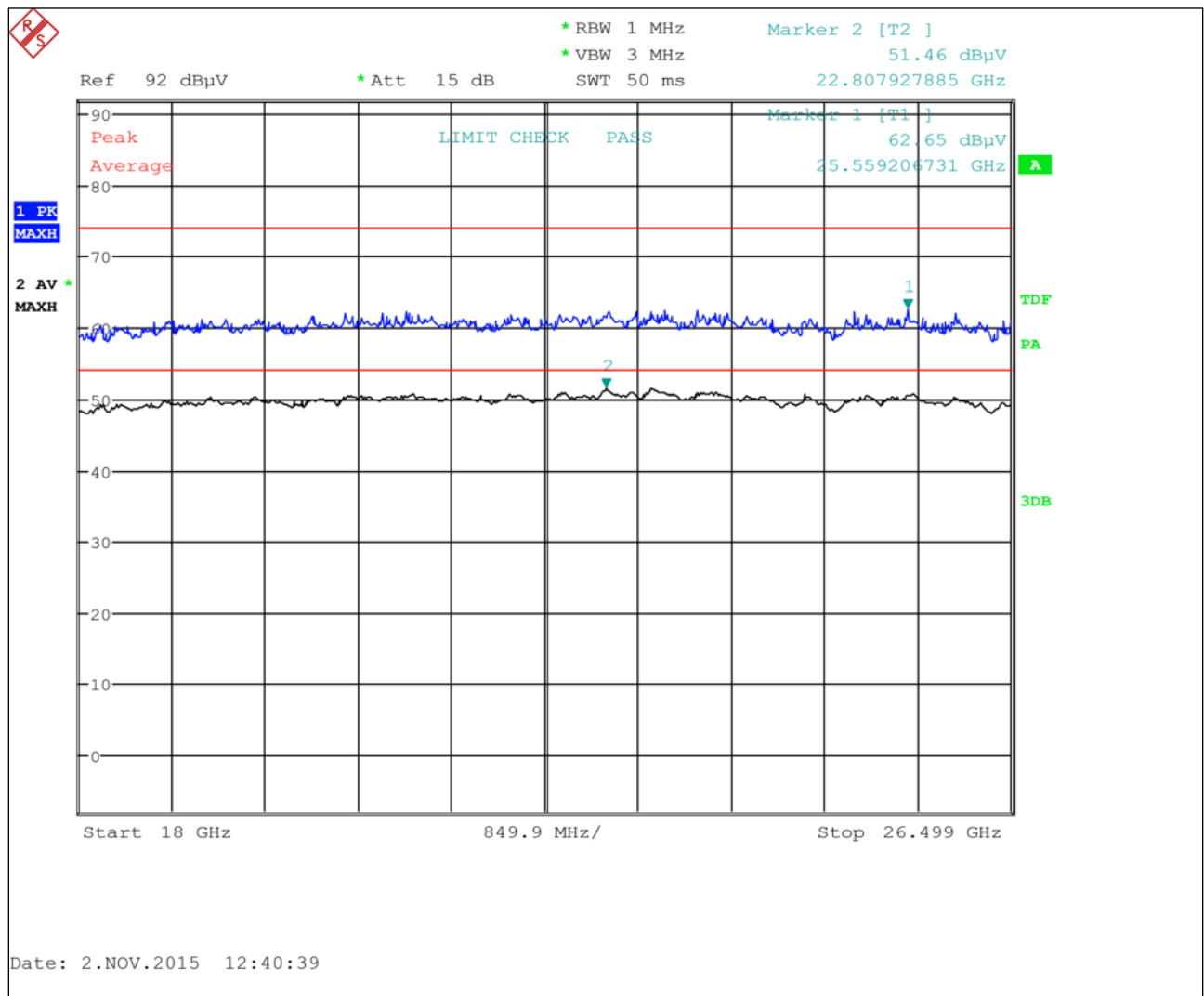
**Plot 6-289: Radiated Emissions 12 GHz – 18 GHz Horizontal Peak/Average**



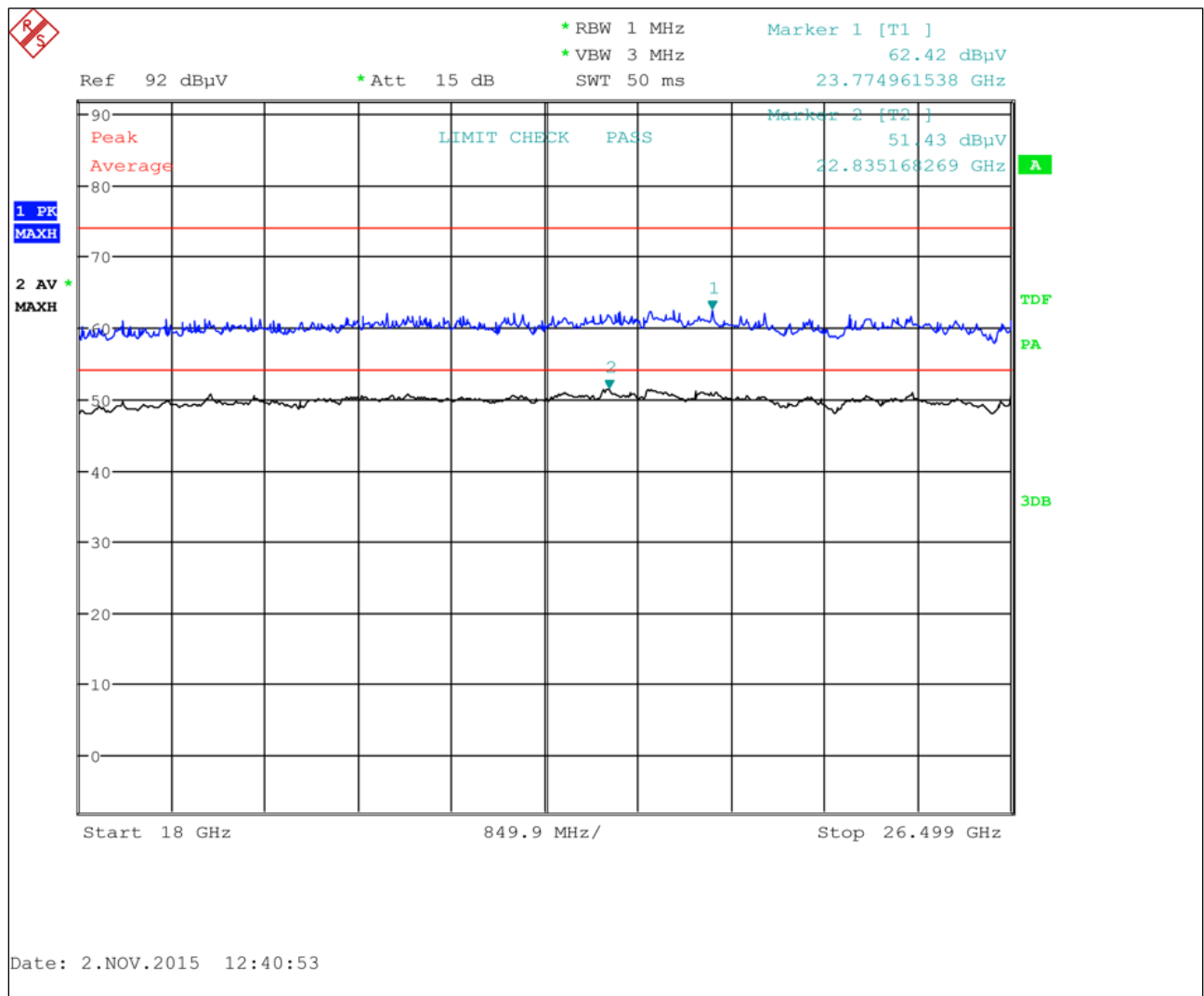
**Plot 6-290: Radiated Emissions 12 GHz – 18 GHz Vertical Peak/Average**



**Plot 6-291: Radiated Emissions 18 GHz – 26 GHz Horizontal Peak/Average**



**Plot 6-292: Radiated Emissions 18 GHz – 26 GHz Vertical Peak/Average**



### 6.3.2.16 Radiated Emissions Carrier Test Data - TC#6 Concrete Container

Plot 6-293: Radiated Emissions of Carrier - TC #6 Concrete Container

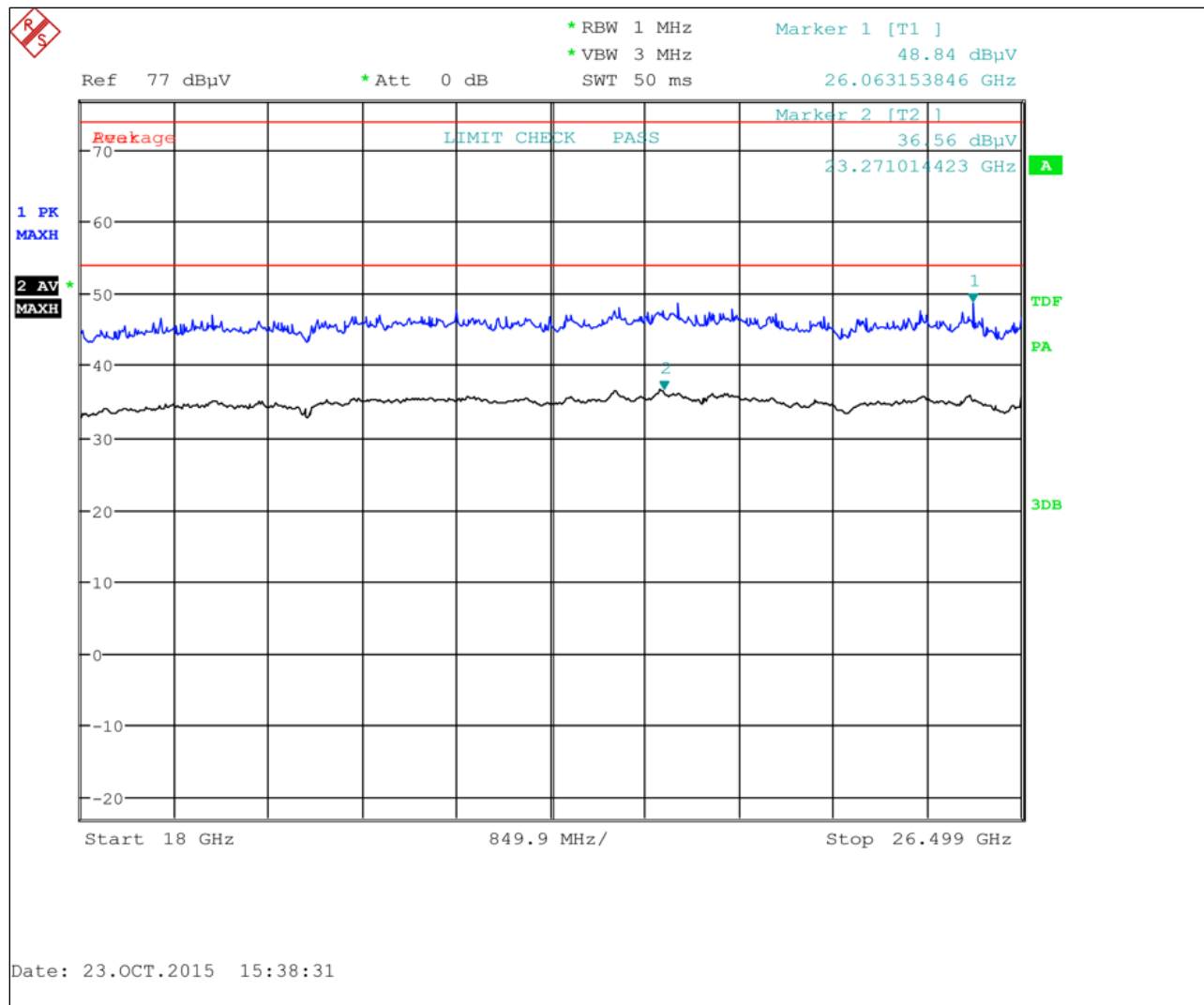
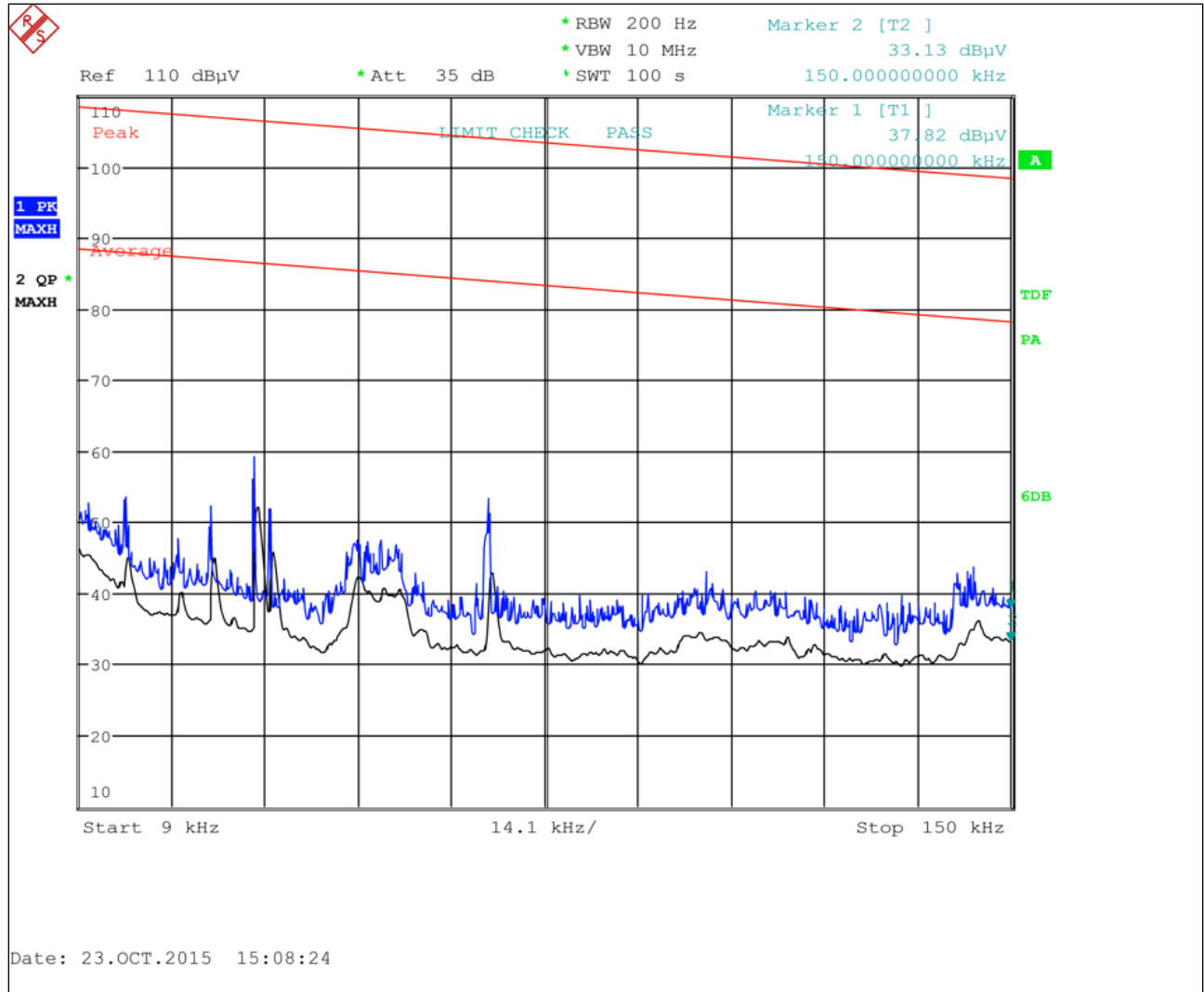


Table 6-15: Radiated Emissions of Carrier – TC #6 Concrete Container

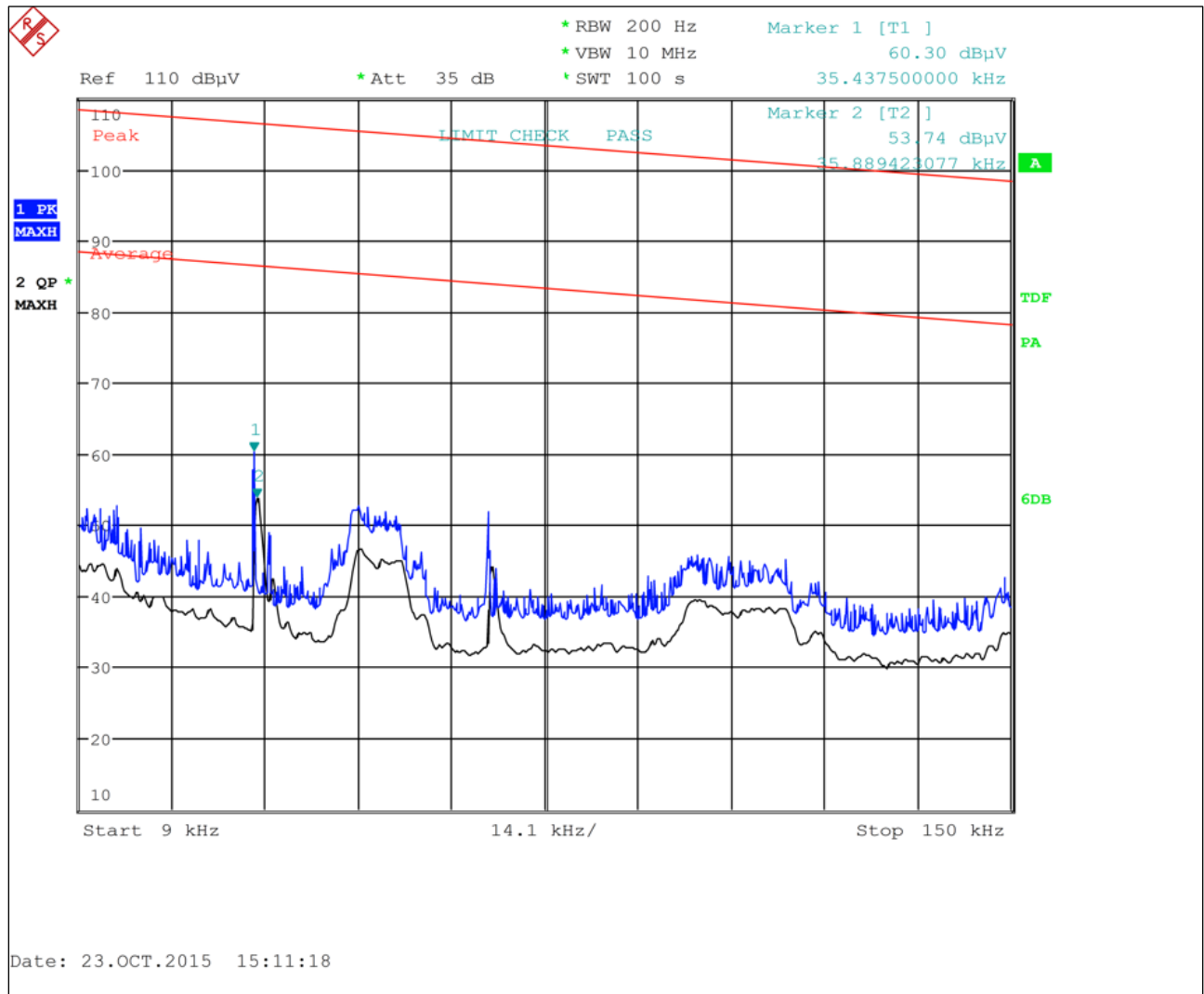
| Frequency (GHz) | Detector | Test Antenna Pol | Corrected Spectrum Analyzer Level (dBuV/m) | FCC Limit (dBuV) | Margin (dB) | Corrected Spectrum Analyzer Level (dBm/MHz) | IC Limit (dBm/MHz) | Margin (dBm) |
|-----------------|----------|------------------|--------------------------------------------|------------------|-------------|---------------------------------------------|--------------------|--------------|
| 26.0631         | Peak     | H                | 48.8                                       | 74.0             | -25.2       | NA                                          |                    |              |
| 23.2710         | Average  | H                | 36.6                                       | 54.0             | -17.4       | -58.6                                       | -41.3              | 17.3         |

### 6.3.2.17 Radiated Emissions Below 1 GHz Test Data – TC#6 Concrete Container

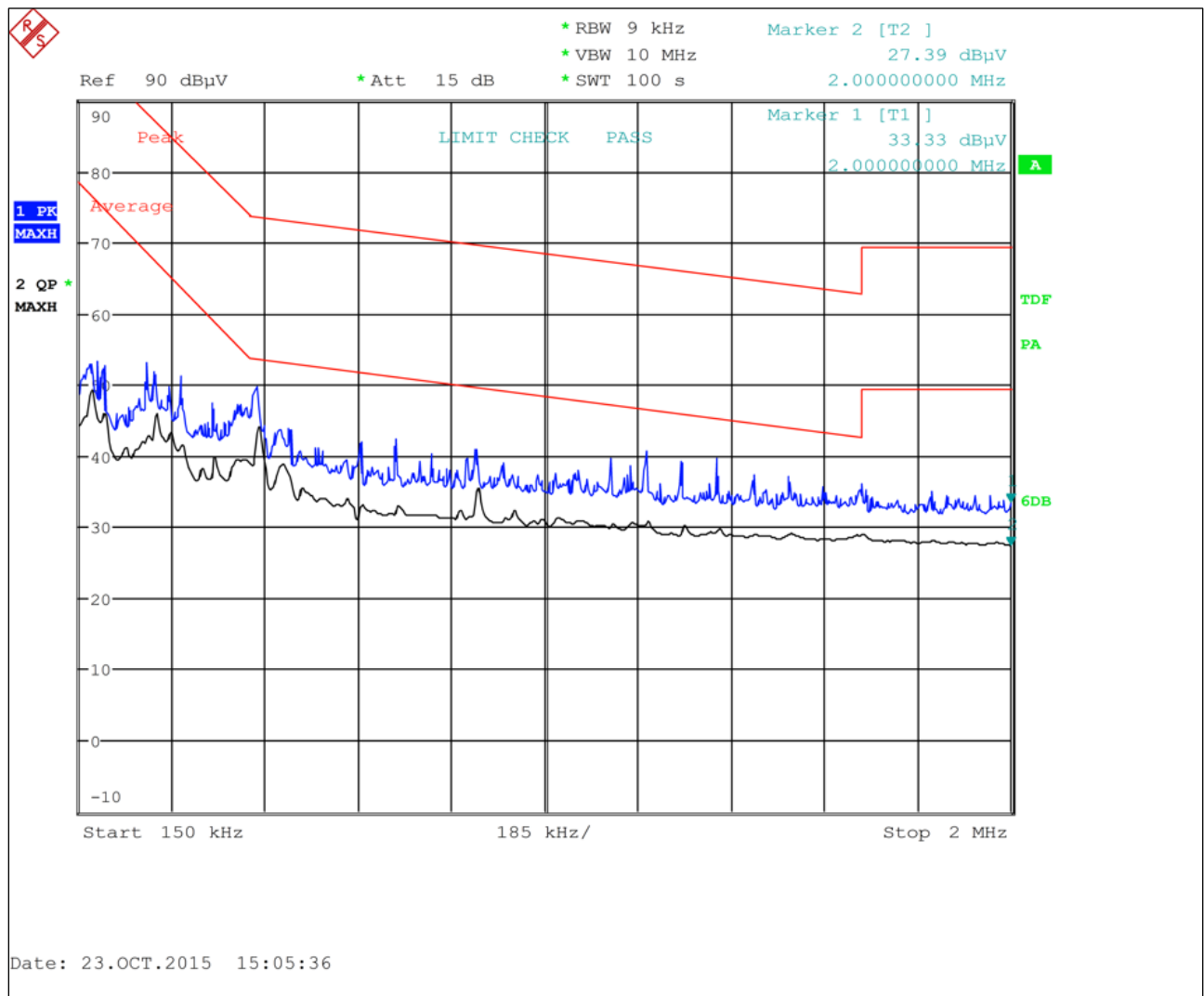
Plot 6-294: Radiated Emissions Transmit – 9 kHz – 150 kHz Horizontal Peak/Average



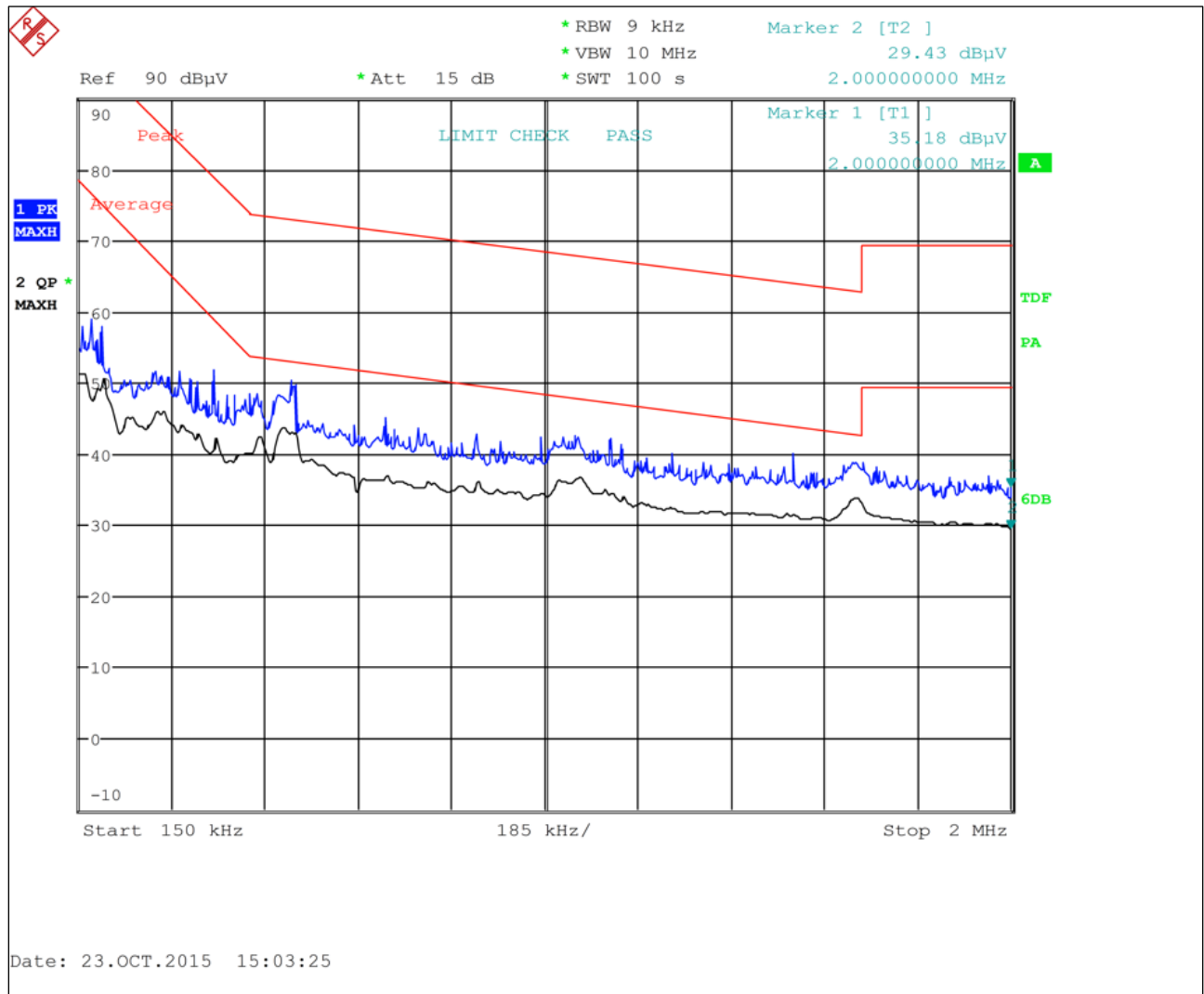
**Plot 6-295: Radiated Emissions Transmit – 9 kHz – 150 kHz Vertical Peak/Average**



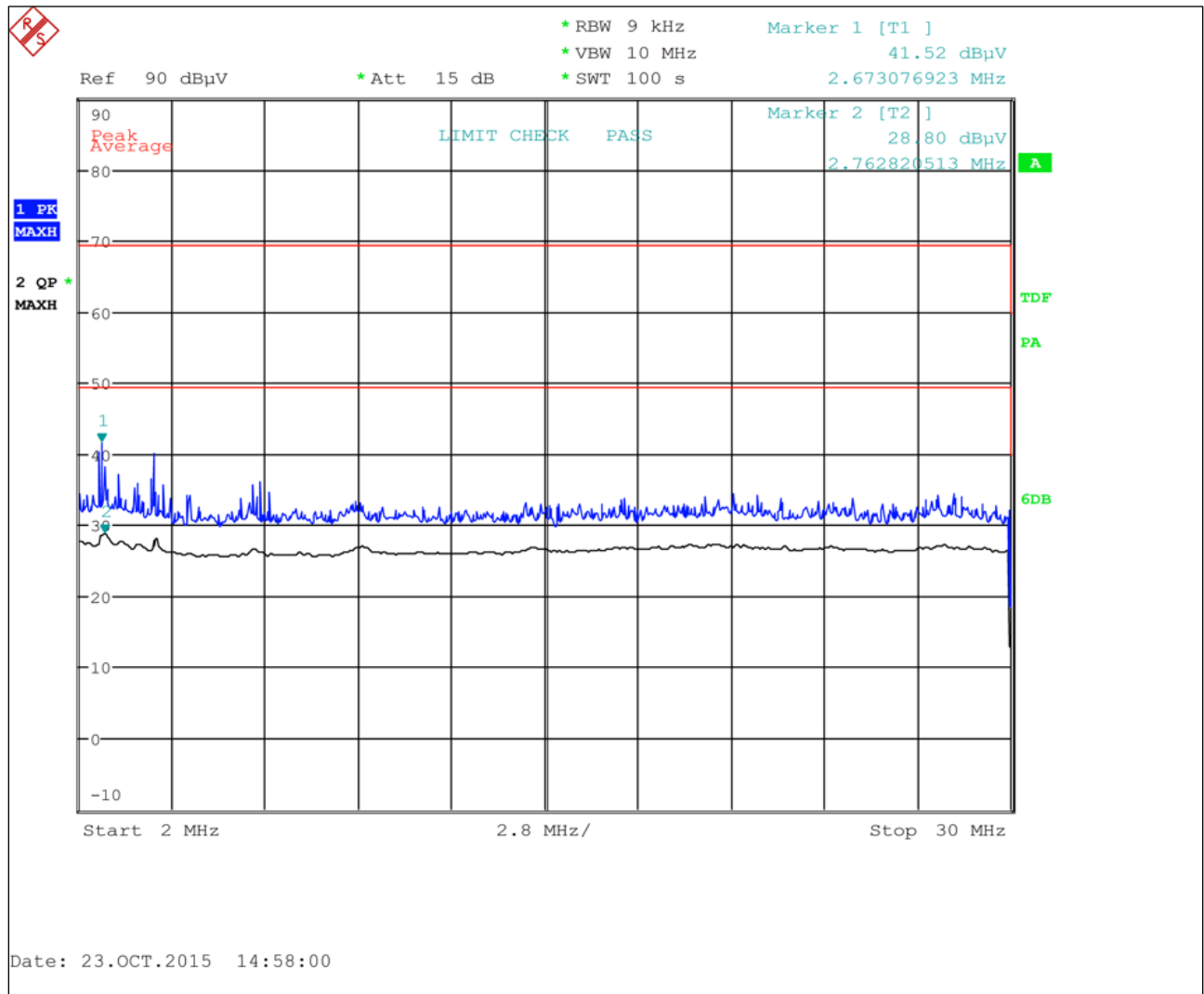
**Plot 6-296: Radiated Emissions Transmit – 150 kHz – 2 MHz Horizontal Peak/Average**



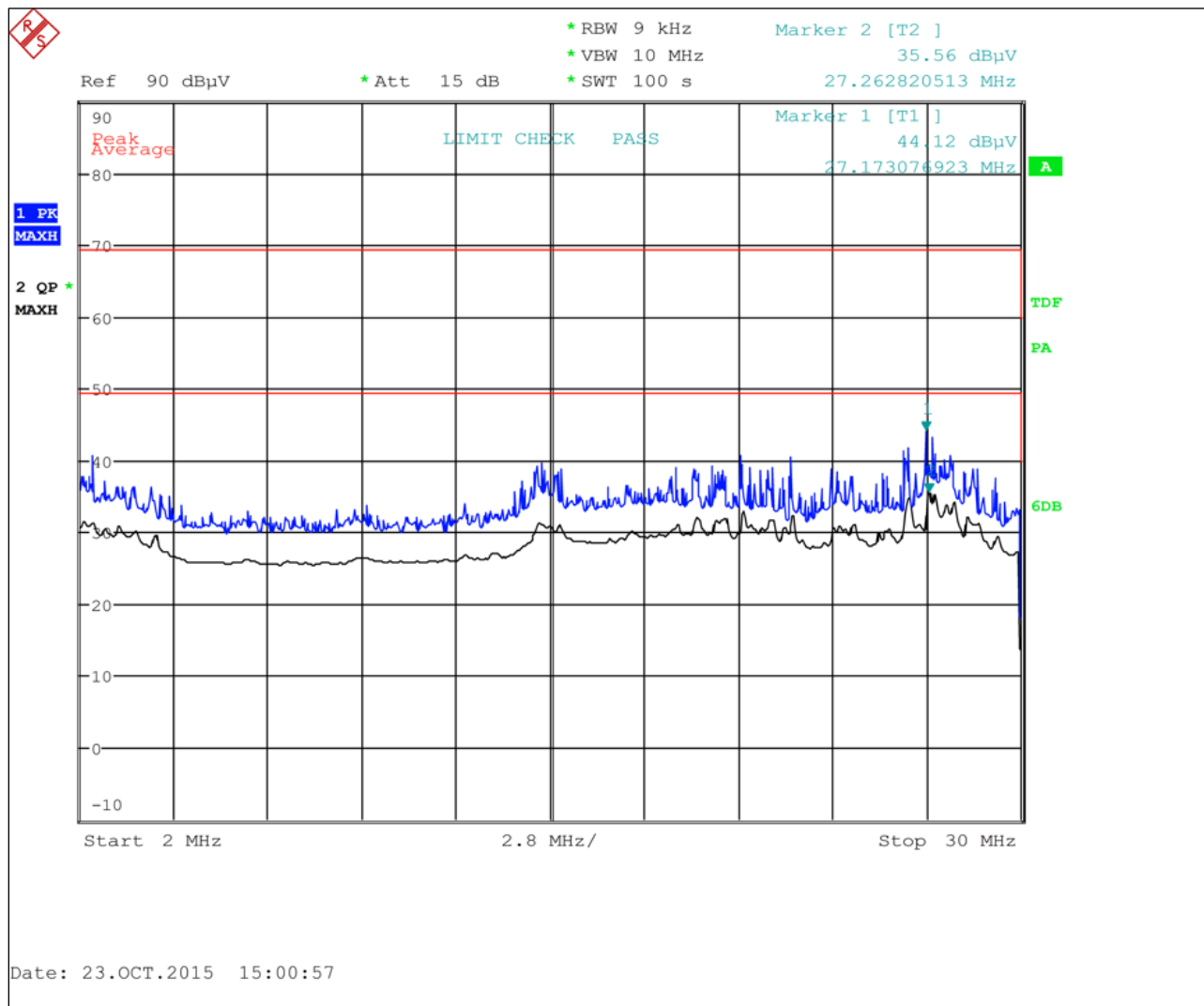
**Plot 6-297: Radiated Emissions Transmit – 150 kHz – 2 MHz Vertical Peak/Average**



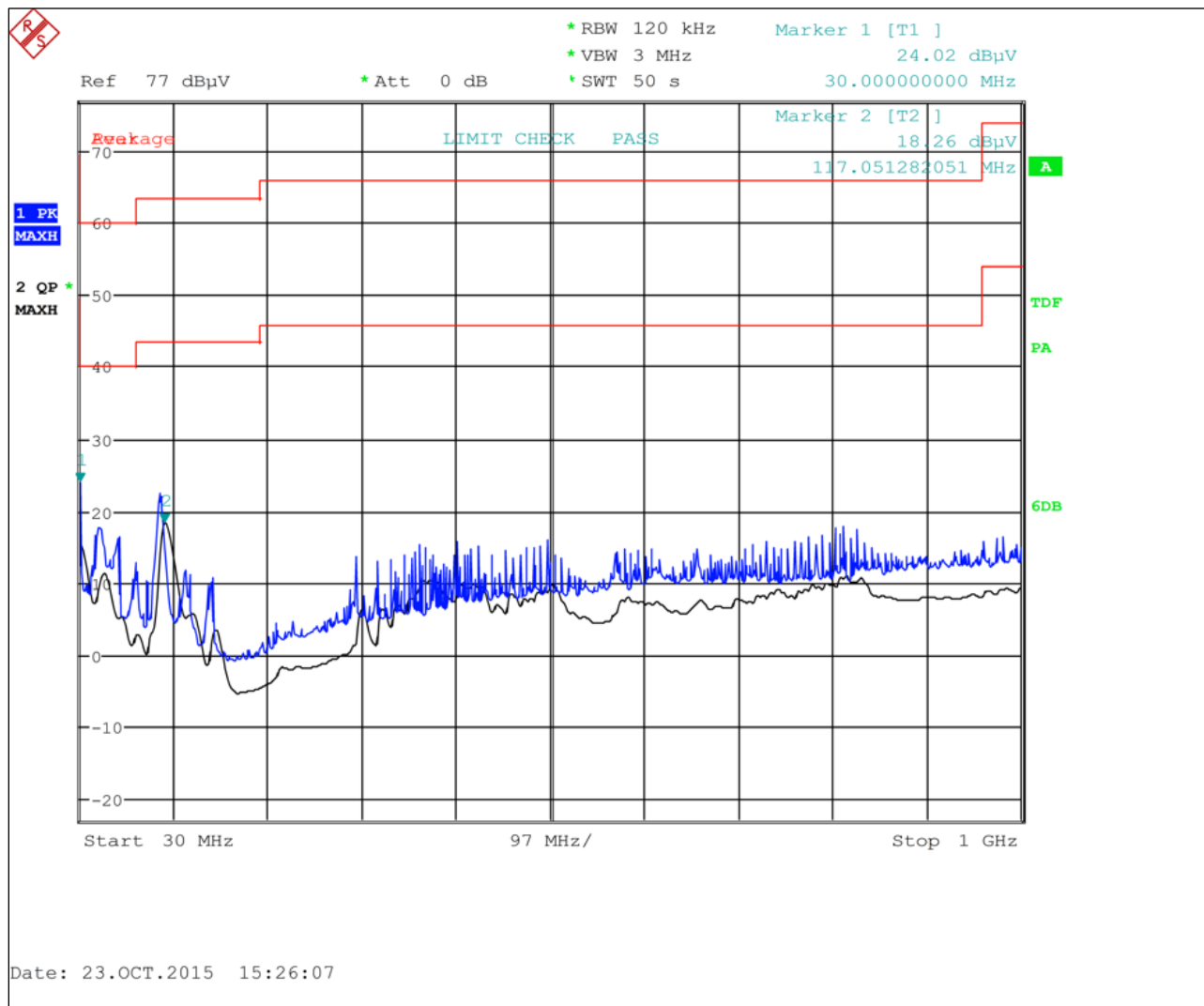
**Plot 6-298: Radiated Emissions Transmit – 2 MHz – 30 MHz Horizontal Peak/Average**



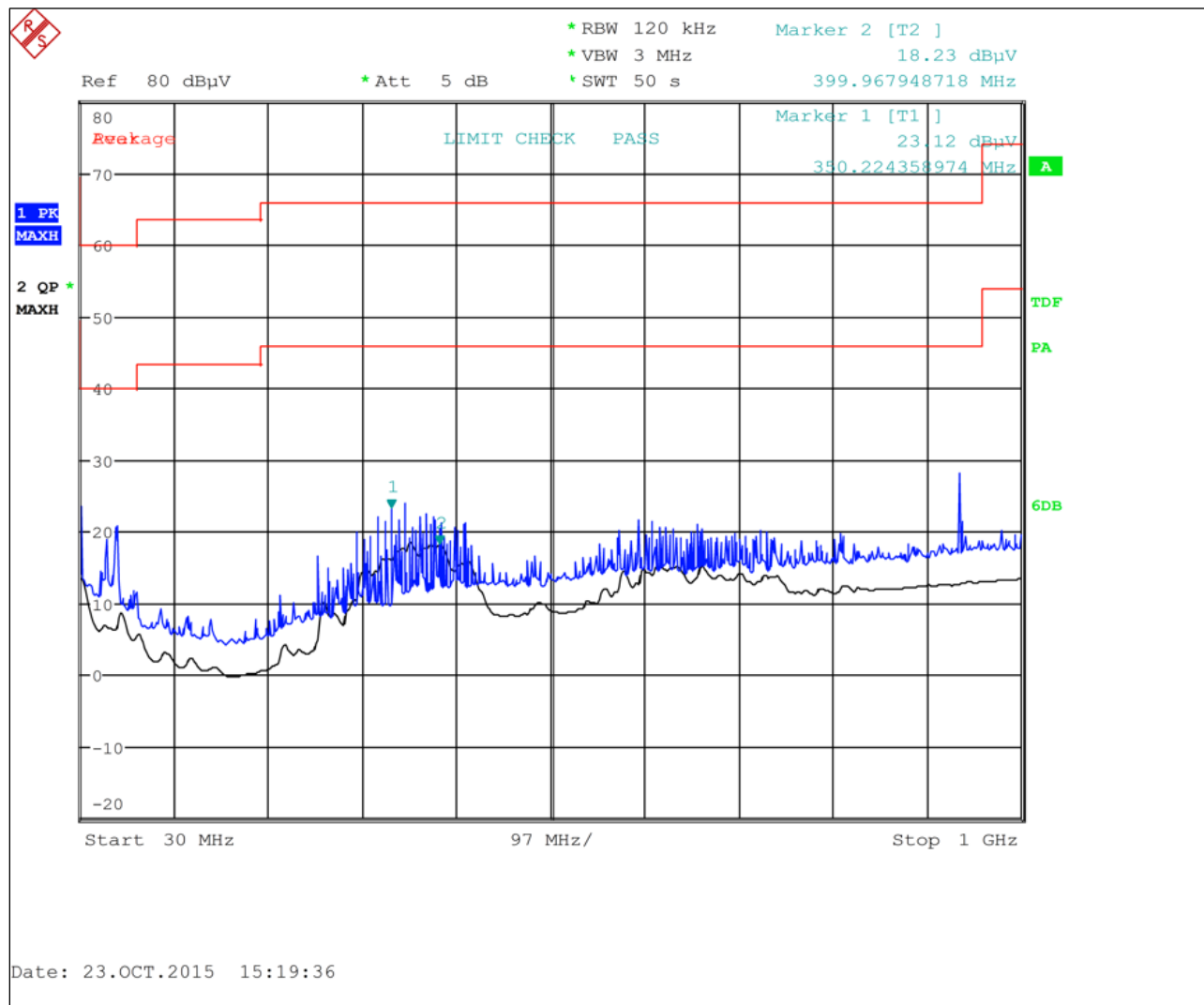
**Plot 6-299: Radiated Emissions Transmit – 2 MHz – 30 MHz Vertical Peak/Average**



**Plot 6-300: Radiated Emissions Transmit – 30 MHz – 1 GHz Horizontal Peak/Average**



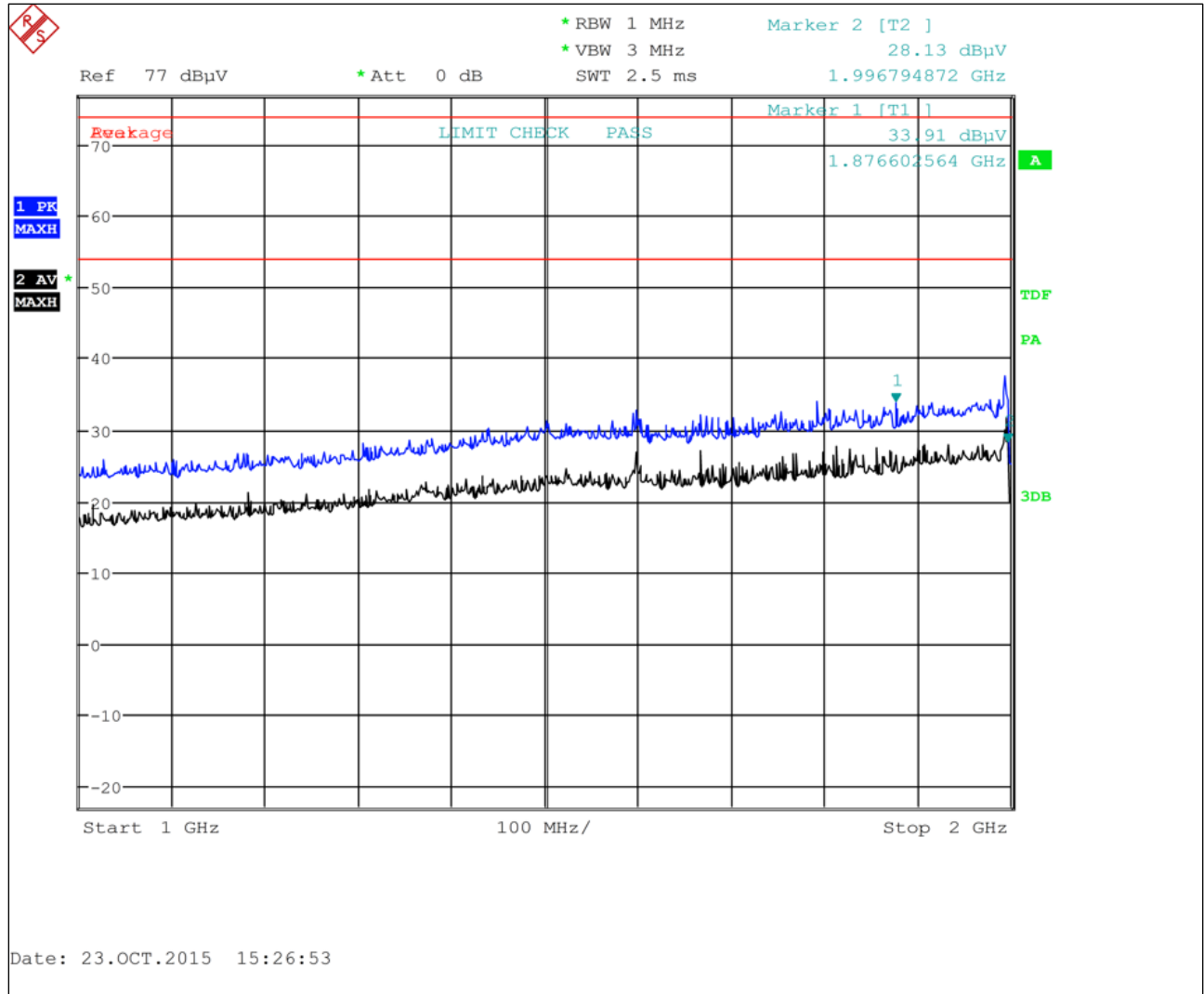
**Plot 6-301: Radiated Emissions Transmit – 30 MHz – 1 GHz Vertical Peak/Average**



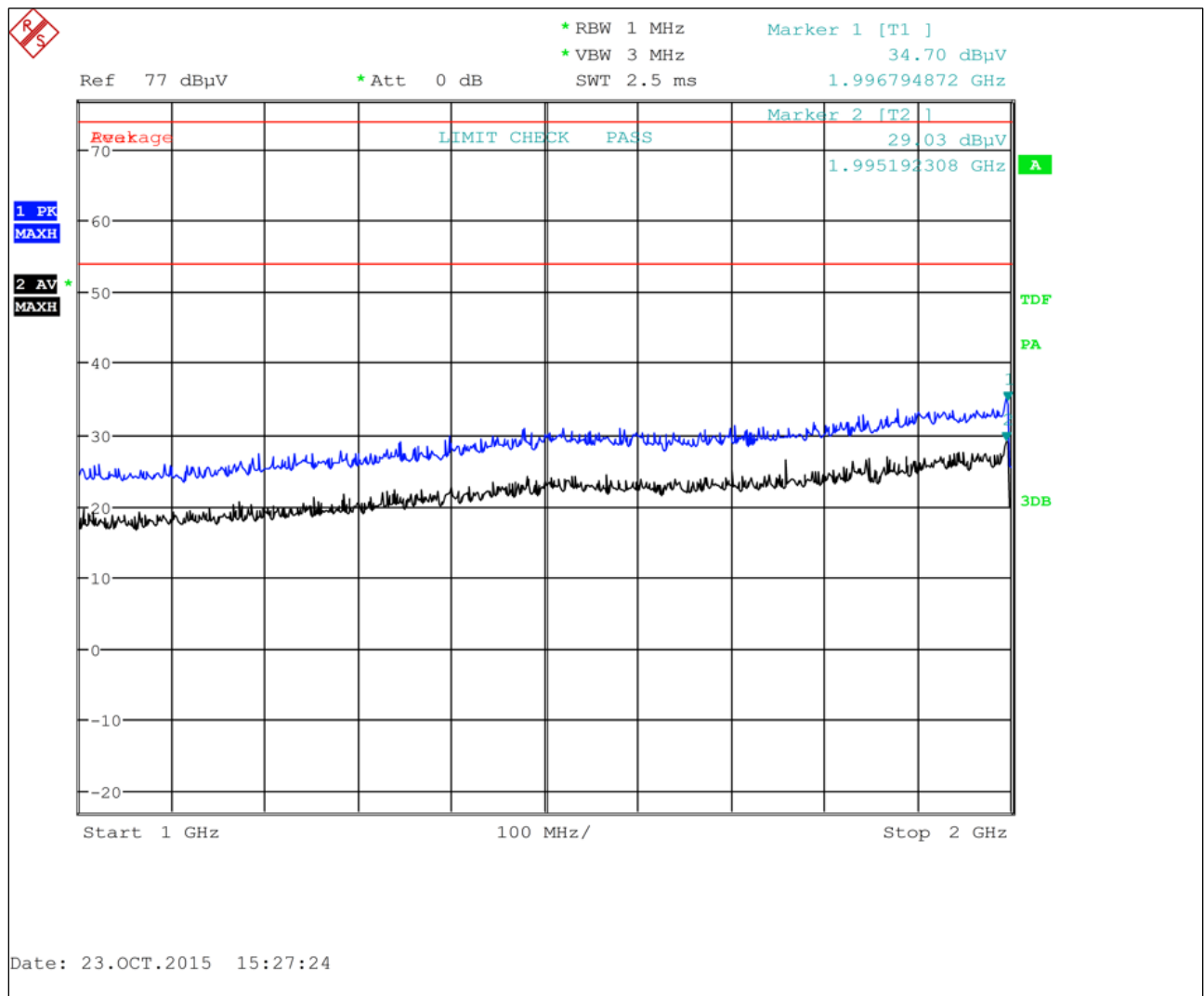
Note: Unwanted emissions were investigated as a digital device (other than harmonics) as required by 15.33(a)(3).

### 6.3.2.18 Radiated Emissions 1 GHz – 26 GHz Test Data – TC#6 Concrete Container

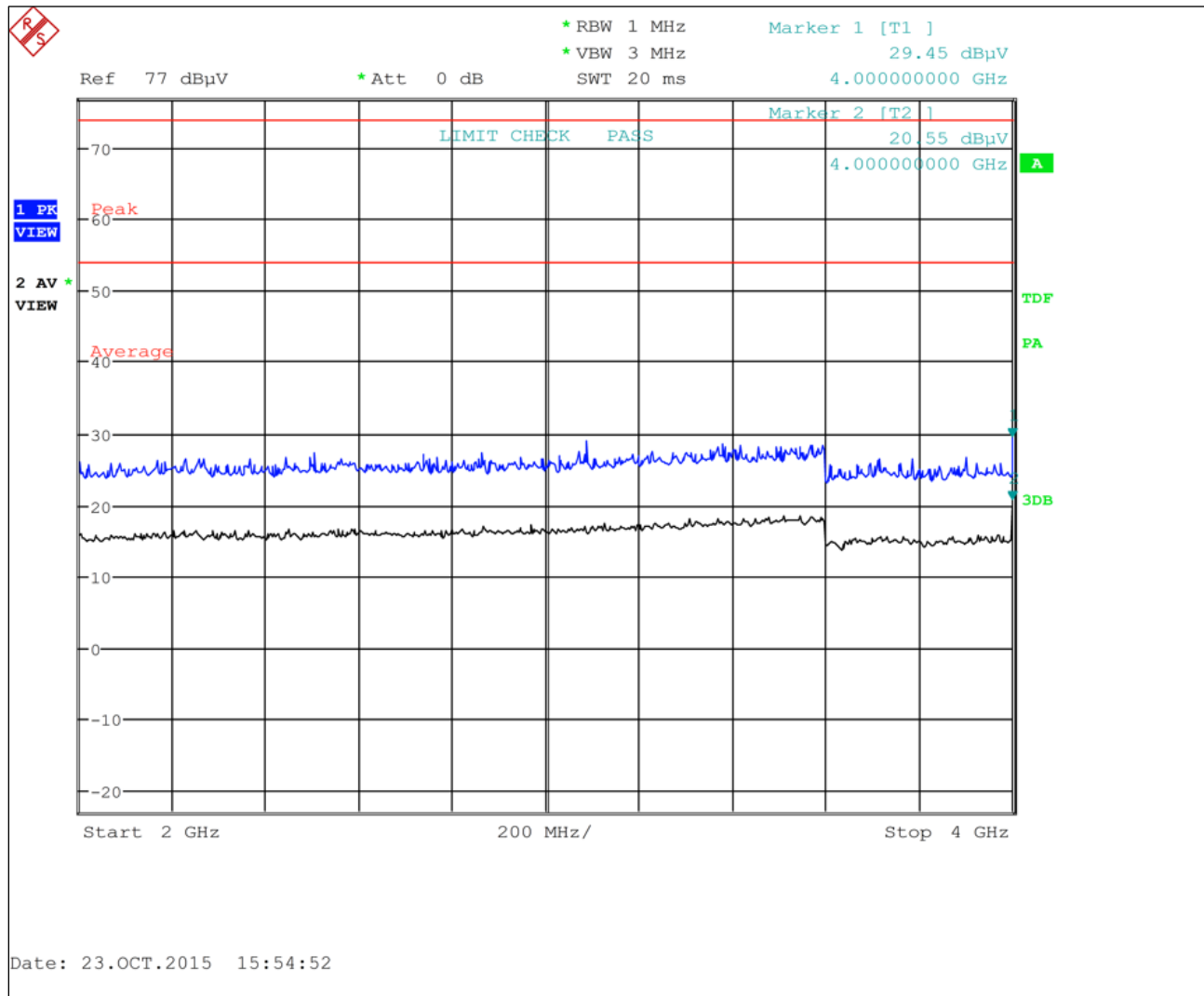
**Plot 6-302: Radiated Emissions 1 GHz – 2 GHz Horizontal Peak/Average**



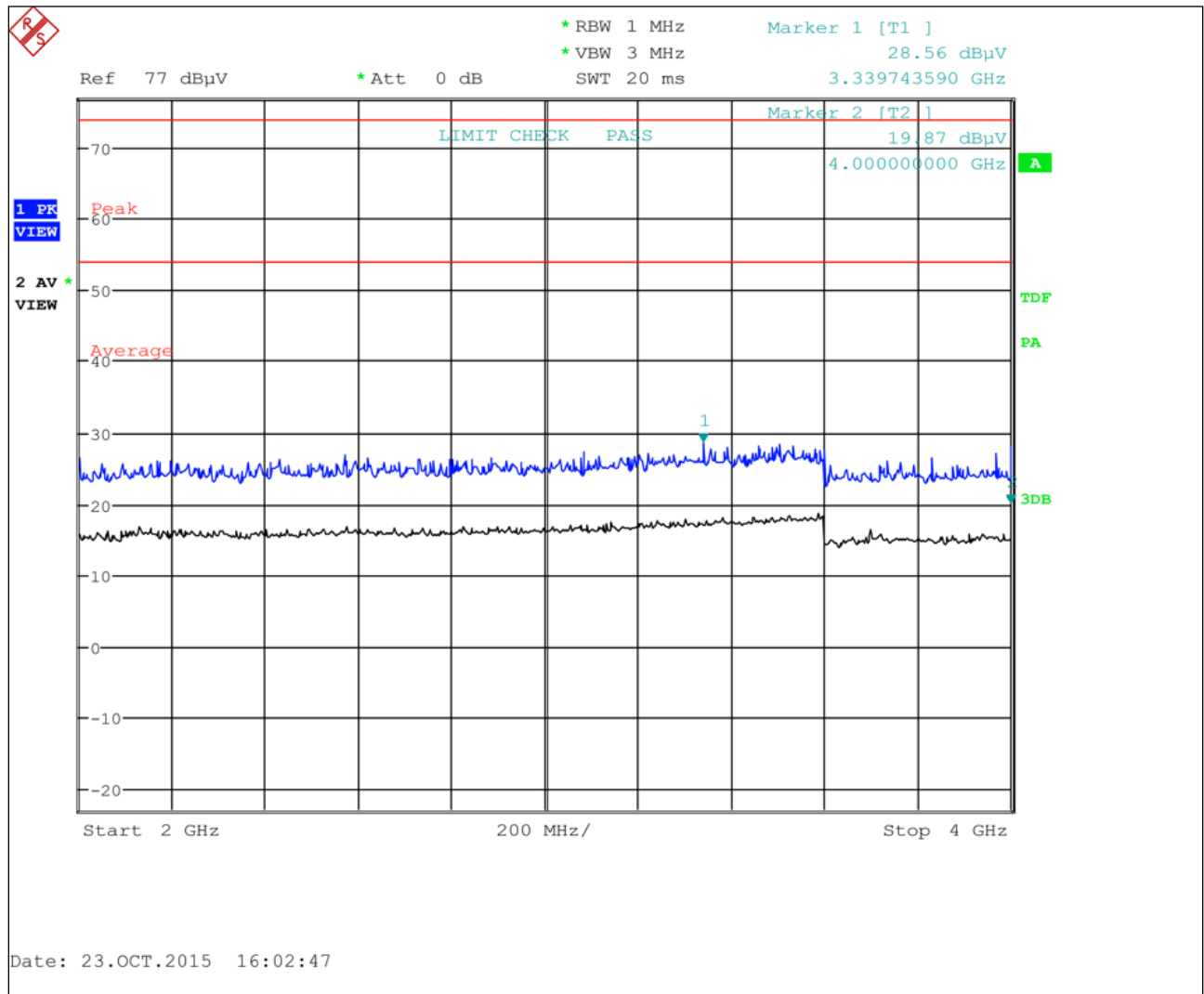
**Plot 6-303: Radiated Emissions 1 GHz – 2 GHz Vertical Peak/Average**



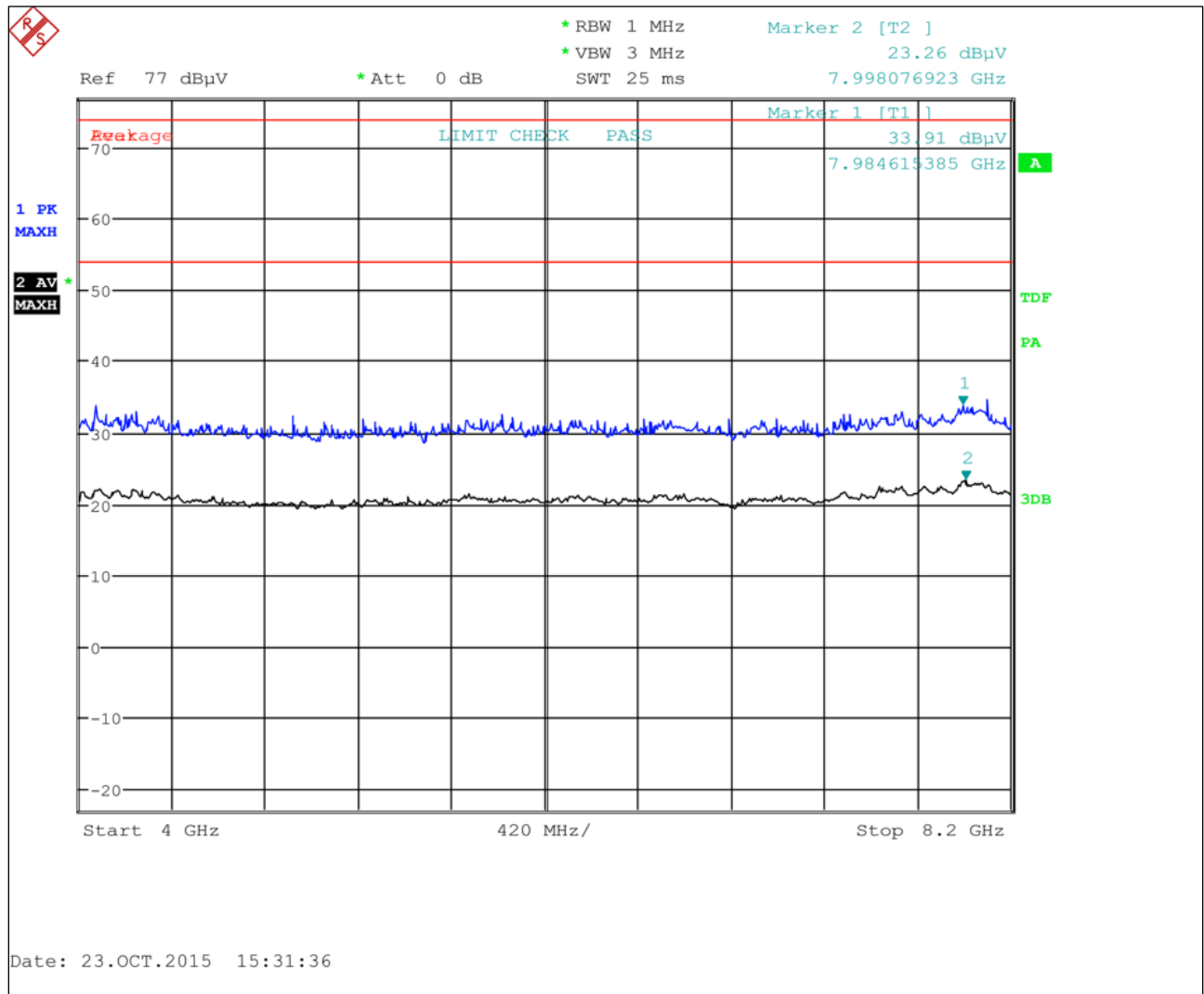
**Plot 6-304: Radiated Emissions 2 GHz – 4 GHz Horizontal Peak/Average**



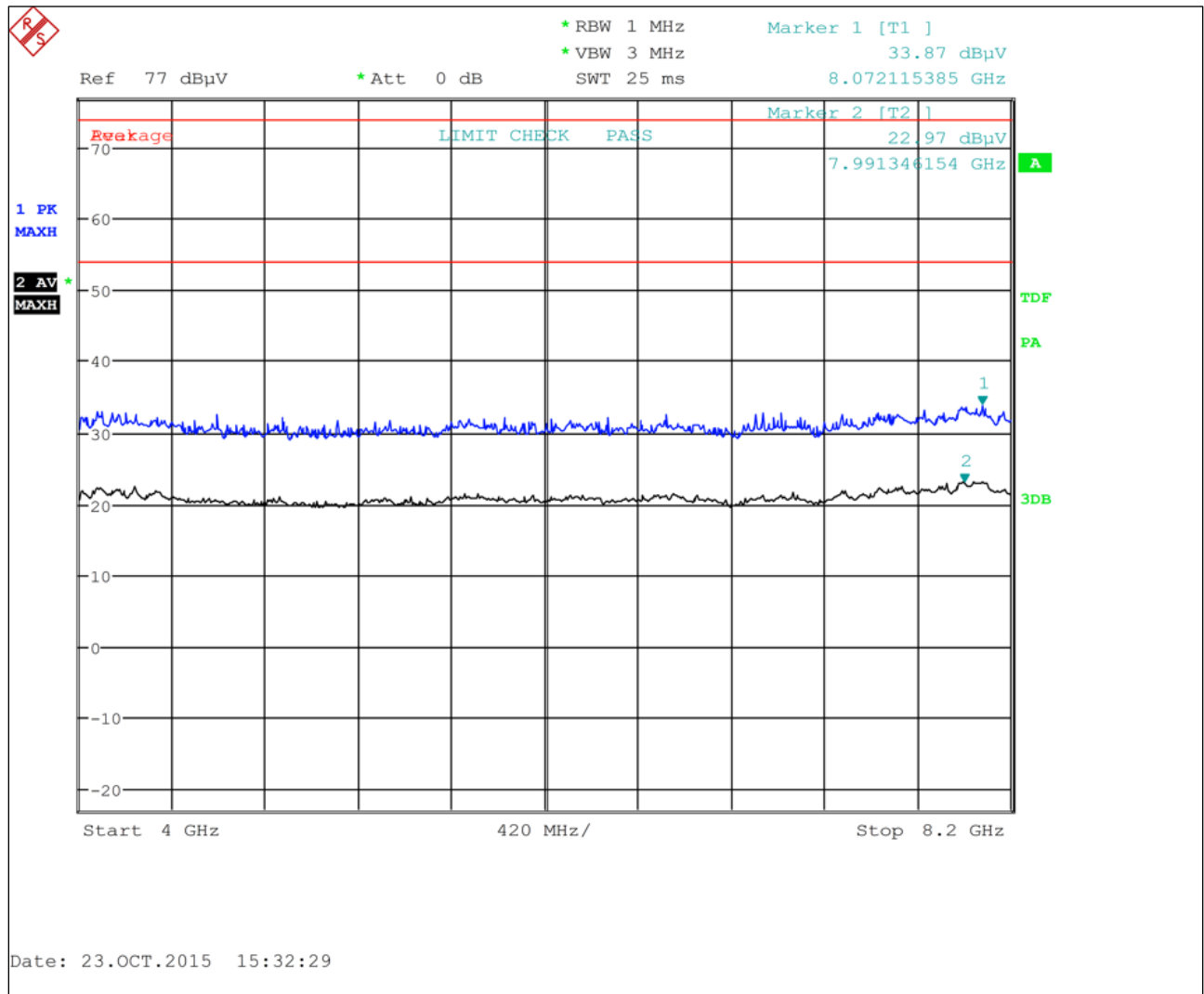
**Plot 6-305: Radiated Emissions 2 GHz – 4 GHz Vertical Peak/Average**



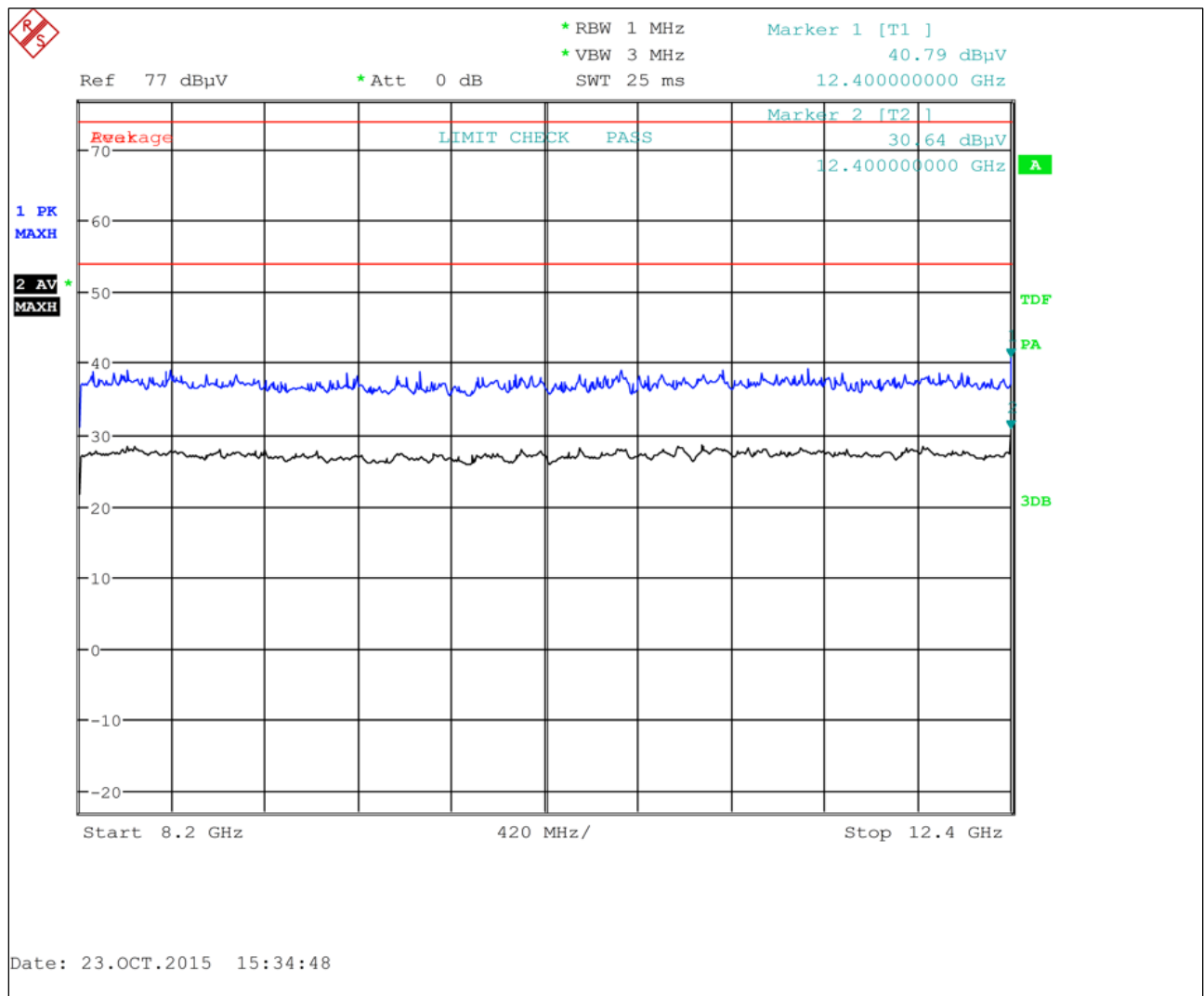
**Plot 6-306: Radiated Emissions 4 GHz – 8 GHz Horizontal Peak/Average**



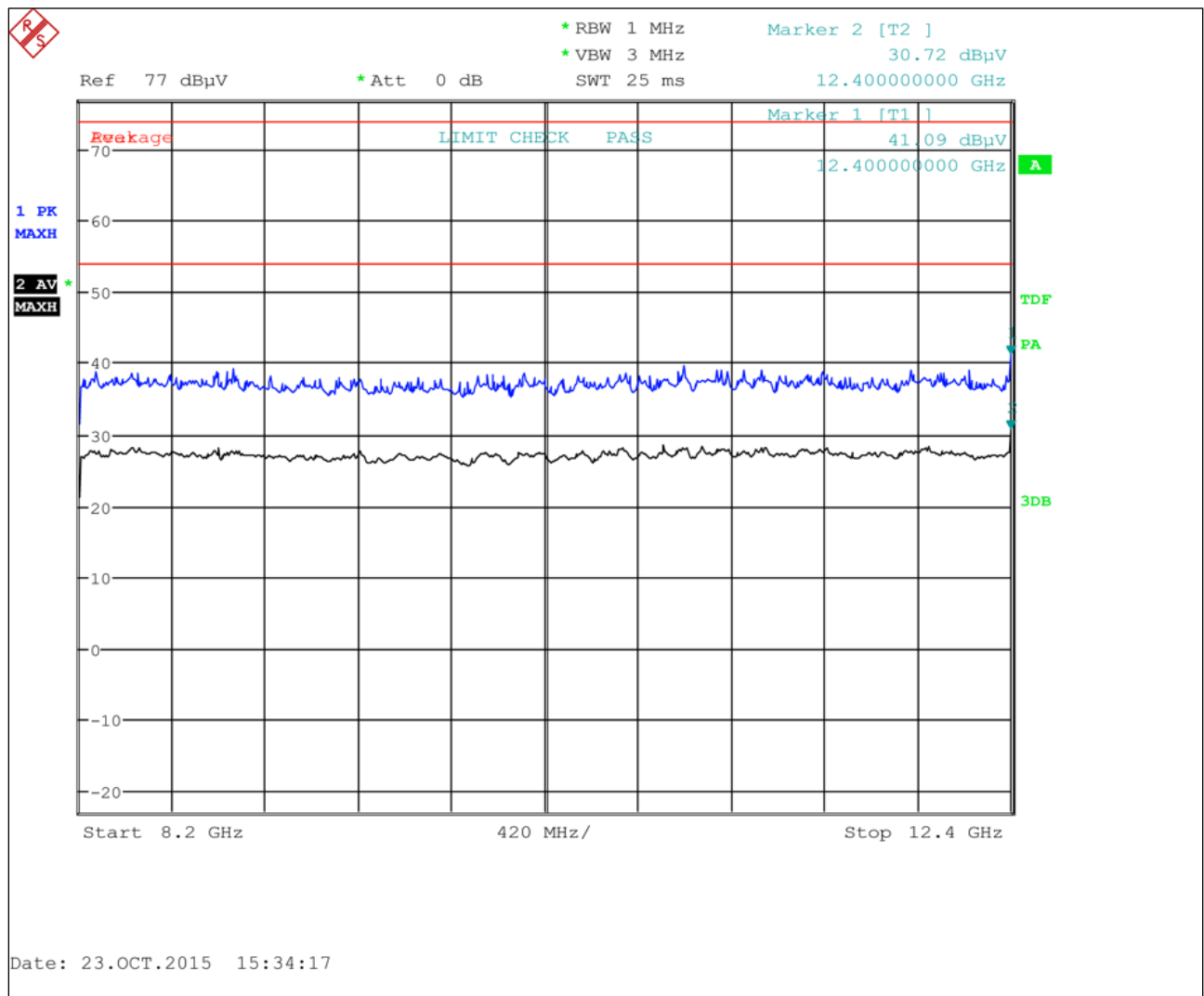
**Plot 6-307: Radiated Emissions 4 GHz – 8 GHz Vertical Peak/Average**



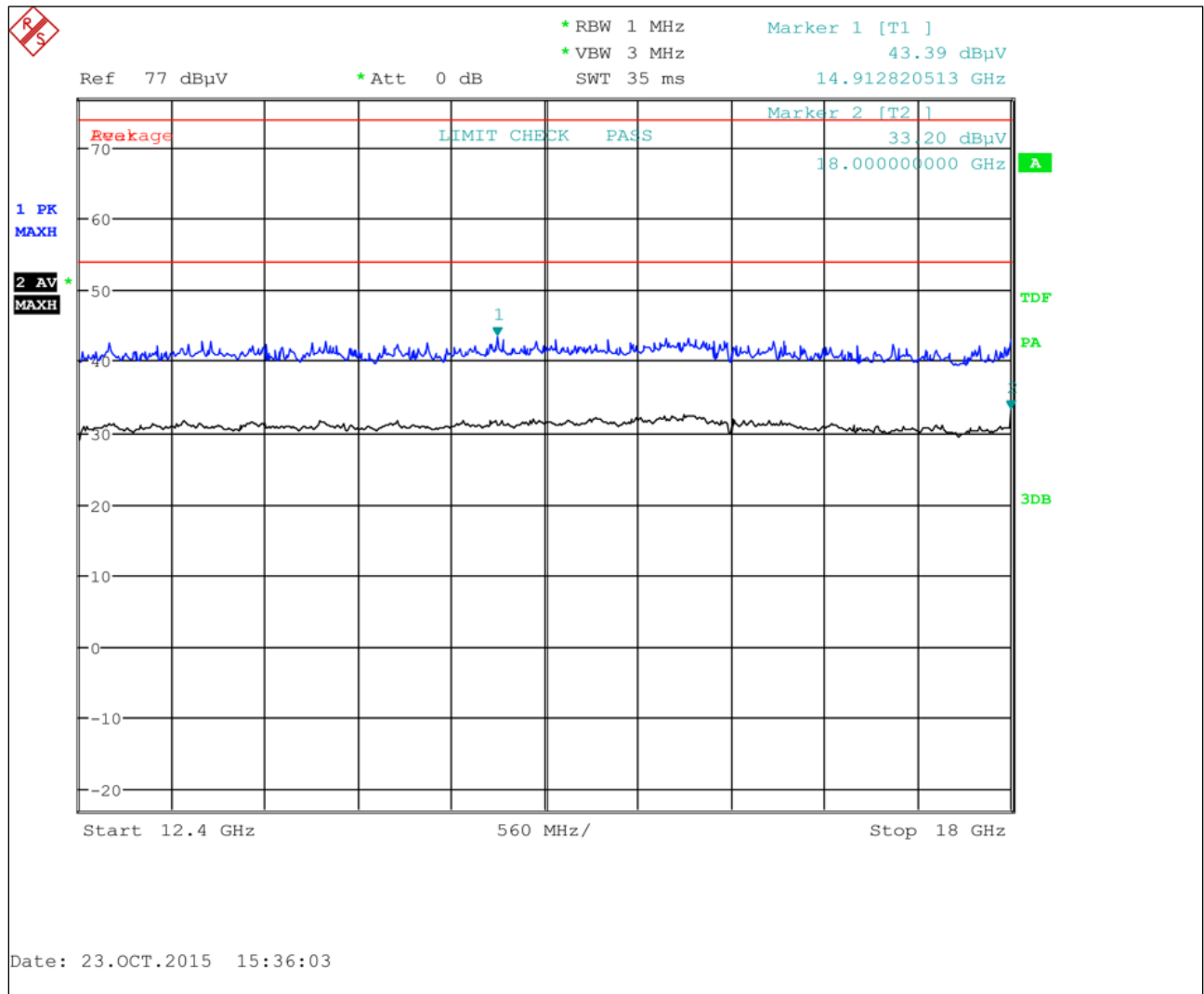
**Plot 6-308: Radiated Emissions 8 GHz – 12 GHz Horizontal Peak/Average**



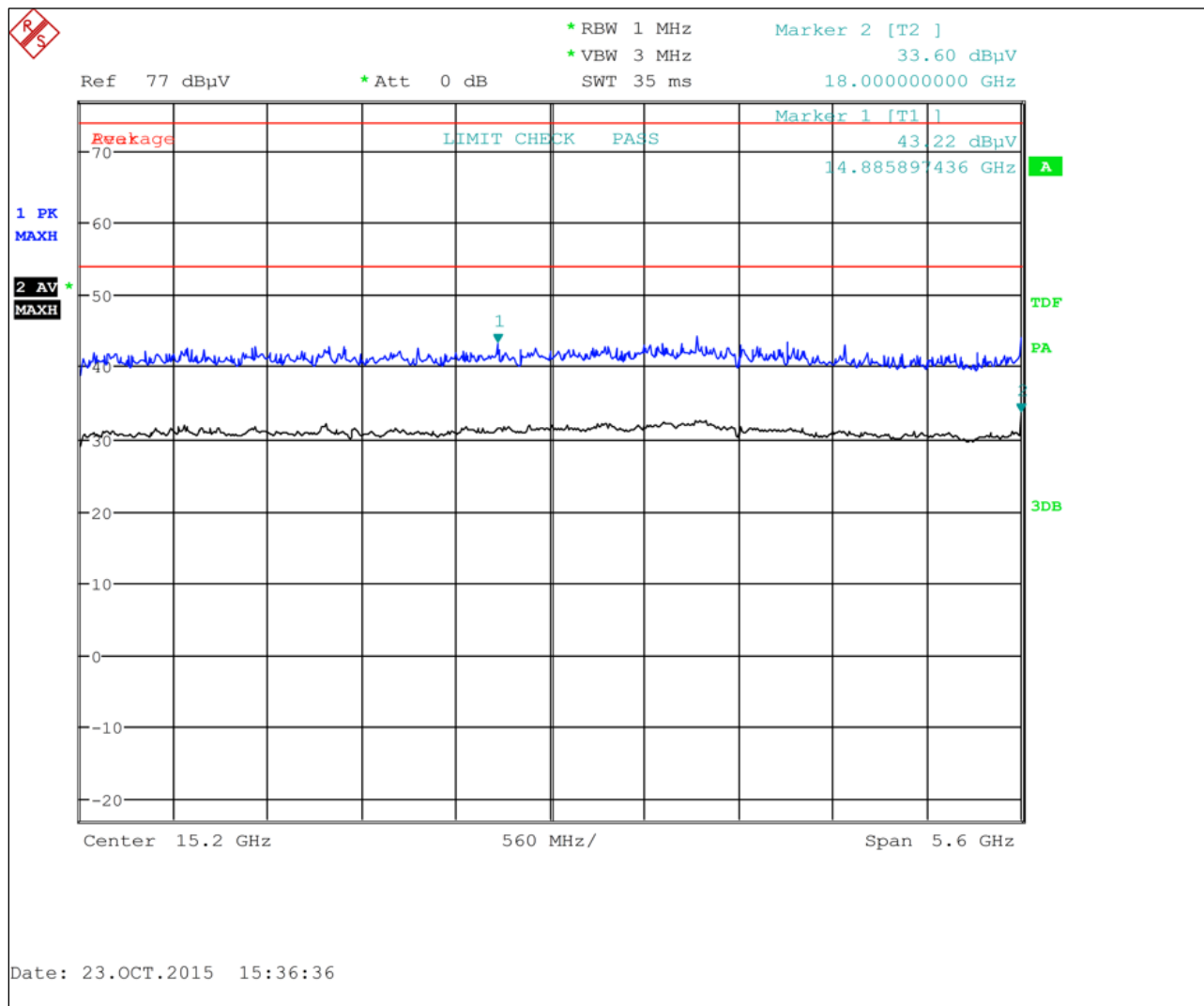
**Plot 6-309: Radiated Emissions 8 GHz – 12 GHz Vertical Peak/Average**



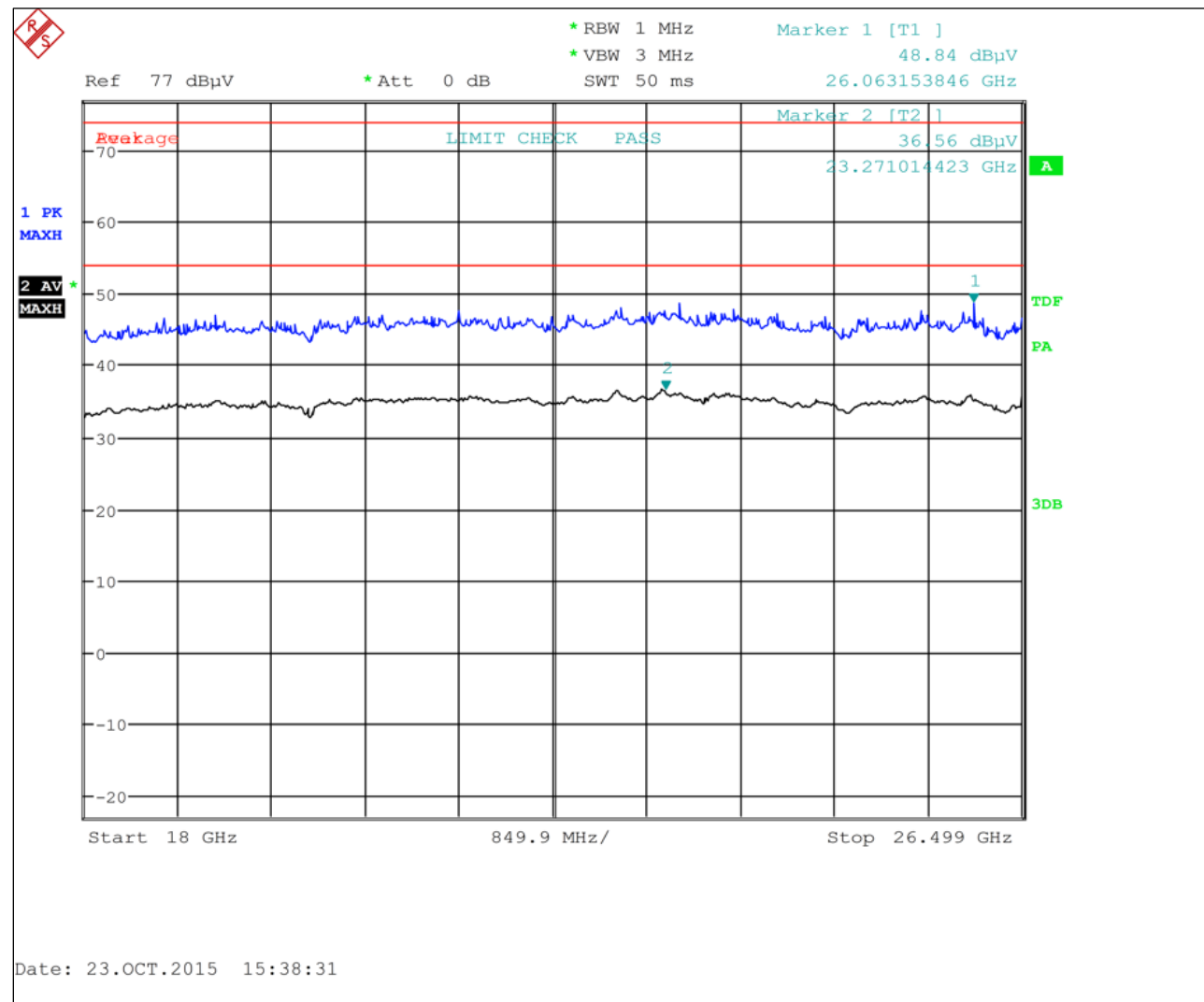
**Plot 6-310: Radiated Emissions 12 GHz – 18 GHz Horizontal Peak/Average**



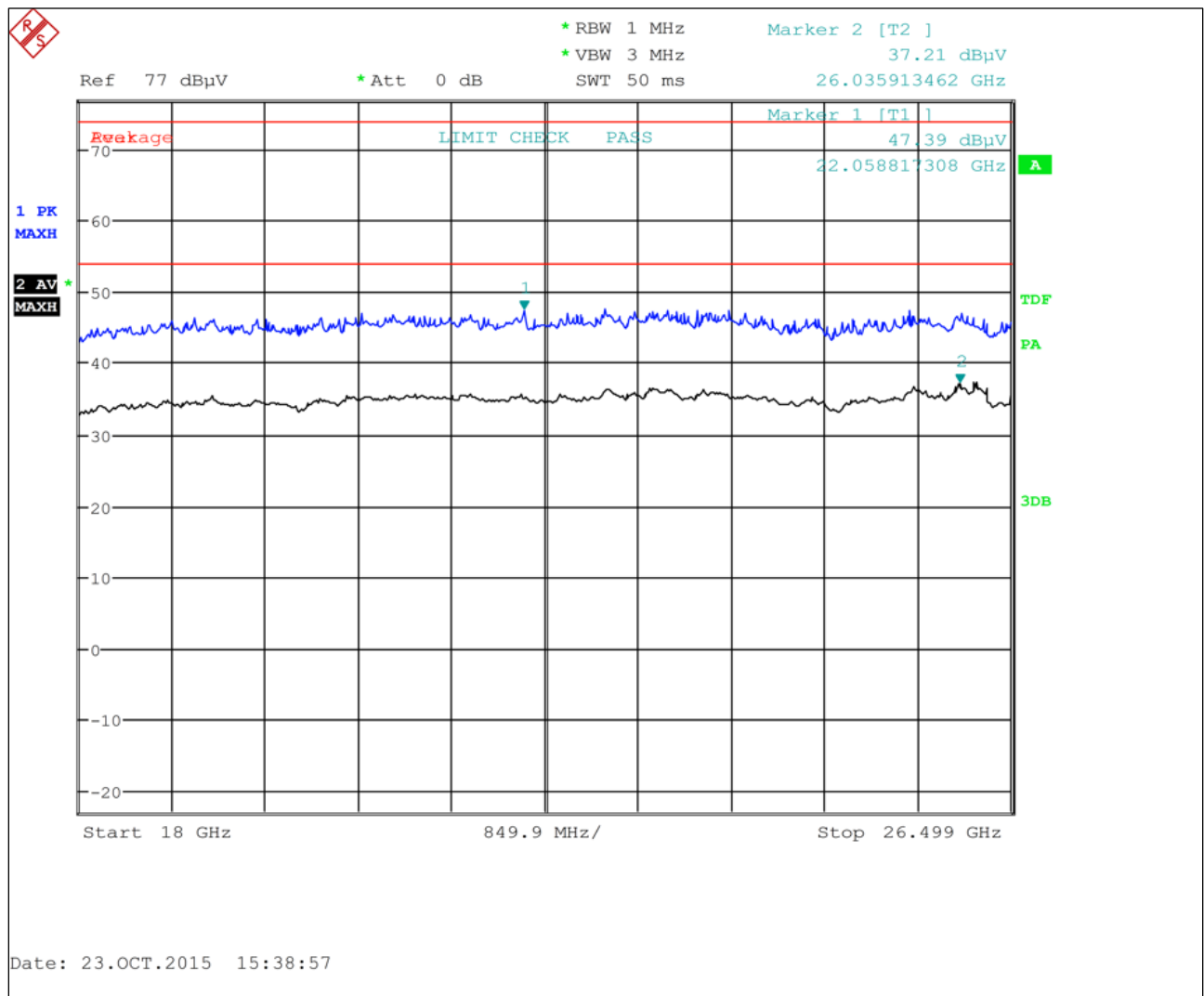
**Plot 6-311: Radiated Emissions 12 GHz – 18 GHz Vertical Peak/Average**



**Plot 6-312: Radiated Emissions 18 GHz – 26 GHz Horizontal Peak/Average**

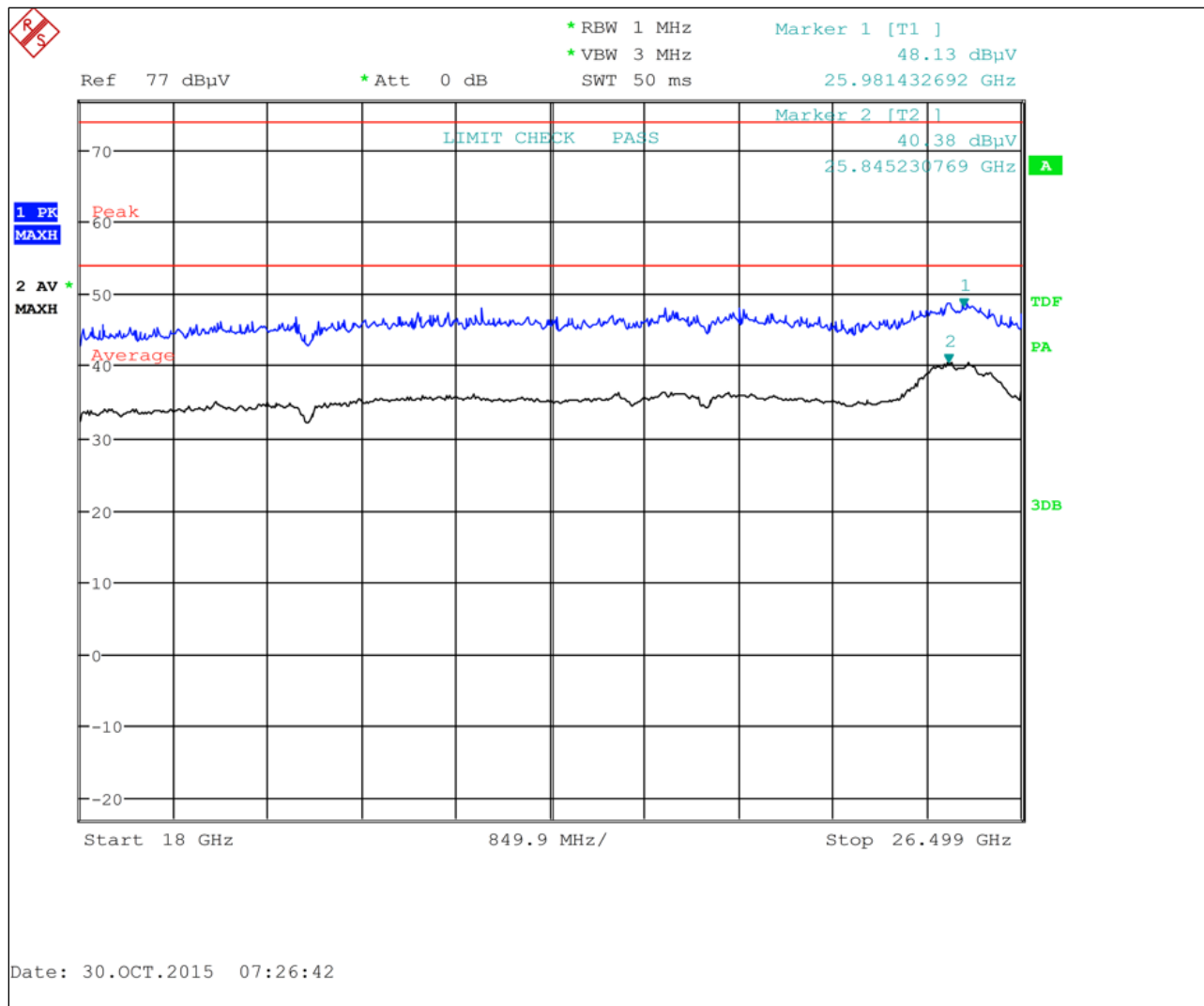


**Plot 6-313: Radiated Emissions 18 GHz – 26 GHz Vertical Peak/Average**



### 6.3.2.19 Radiated Emissions Carrier Test Data - TC#7 Concrete Container

**Plot 6-314: Radiated Emissions of Carrier - TC #7 Concrete Container**

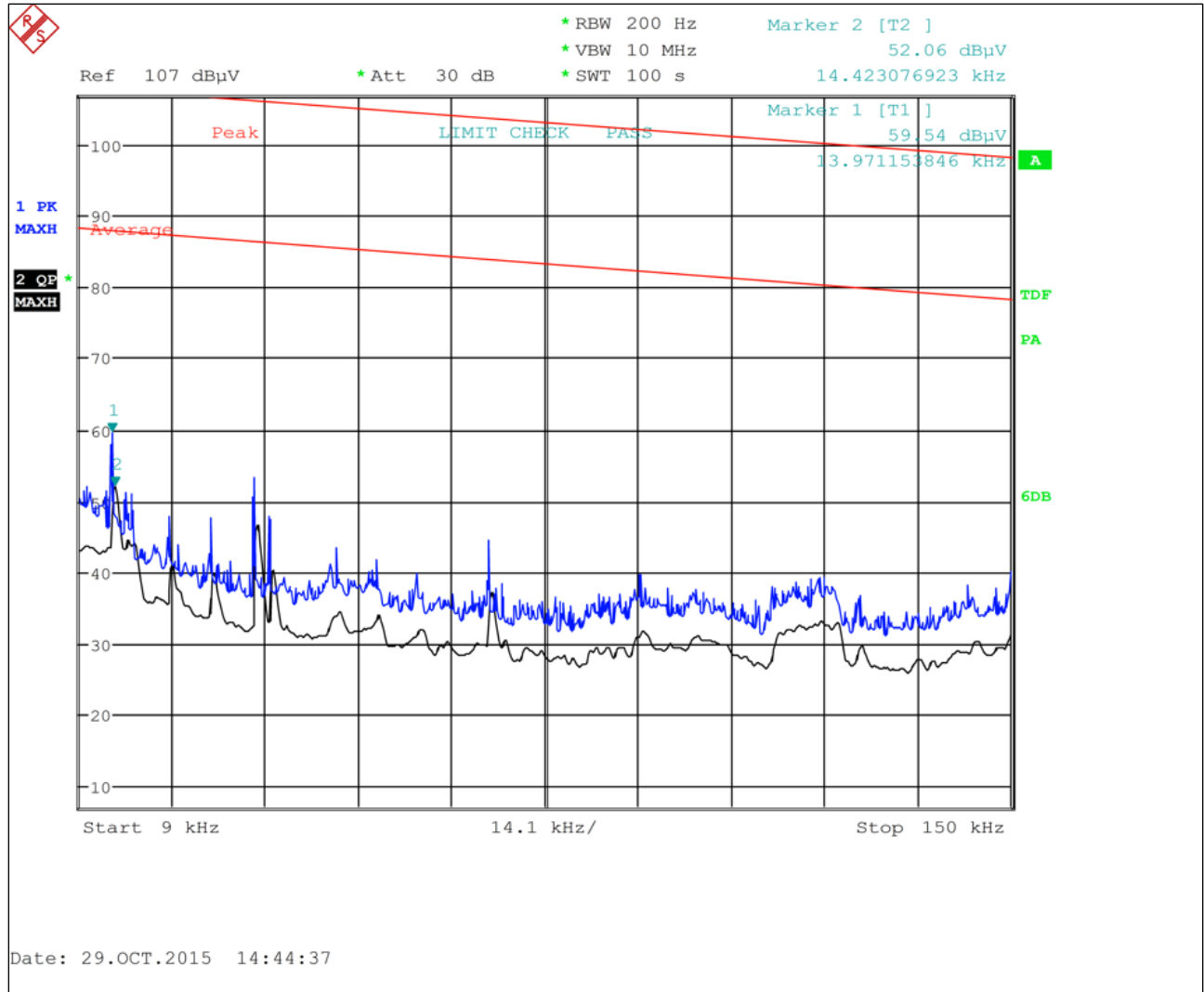


**Table 6-16: Radiated Emissions of Carrier – TC #7 Concrete Container**

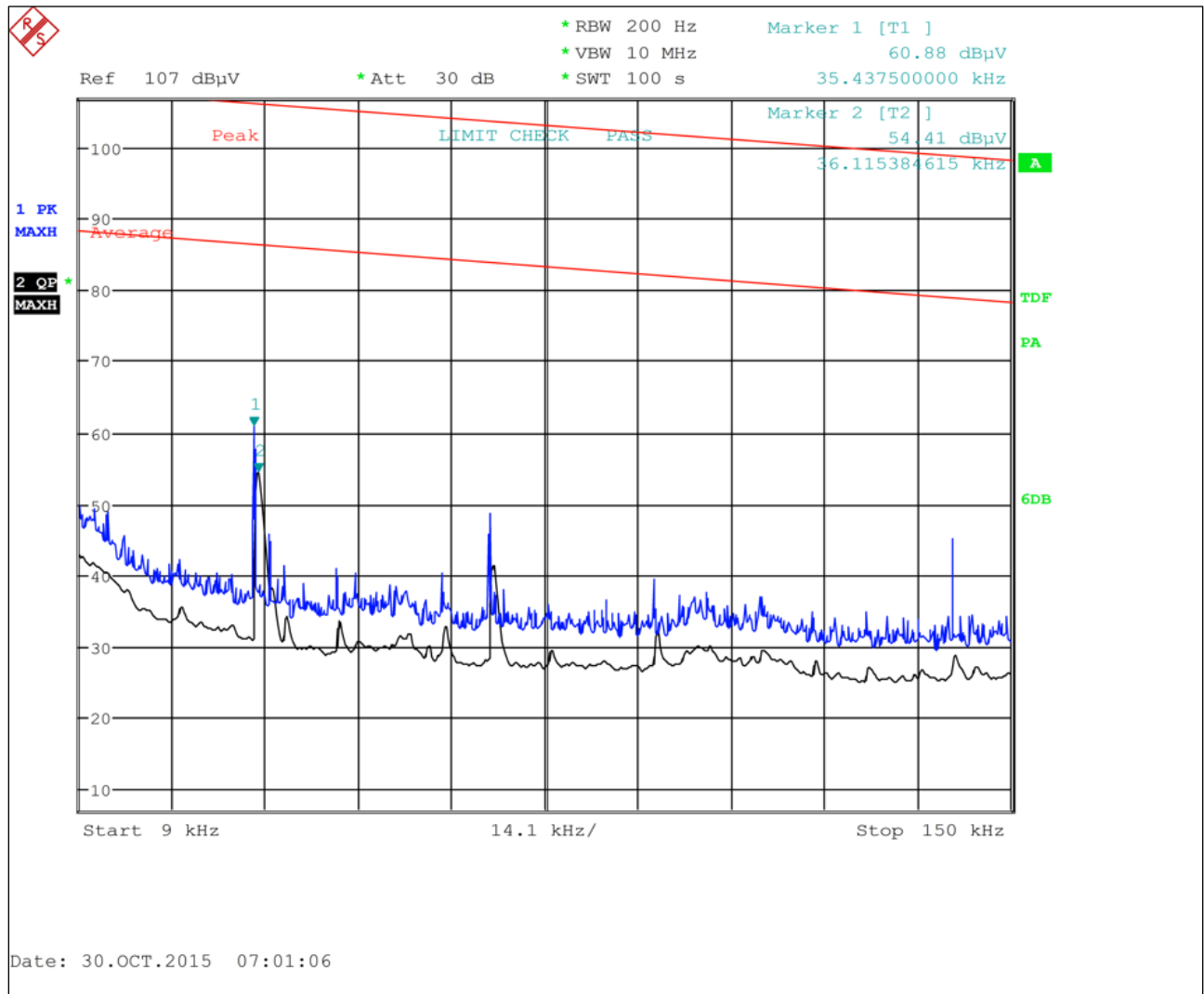
| Frequency (GHz) | Detector | Test Antenna Pol | Corrected Spectrum Analyzer Level (dBμV/m) | FCC Limit (dBμV) | Margin (dB) | Corrected Spectrum Analyzer Level (dBm/MHz) | IC Limit (dBm/MHz) | Margin (dBm/MHz) |
|-----------------|----------|------------------|--------------------------------------------|------------------|-------------|---------------------------------------------|--------------------|------------------|
| 25.9814         | Peak     | V                | 48.1                                       | 74.0             | -25.9       | NA                                          |                    |                  |
| 25.8452         | Average  | V                | 40.4                                       | 54.0             | -13.6       | -54.8                                       | -41.3              | 13.5             |

### 6.3.2.20 Radiated Emissions Below 1 GHz Test Data – TC#7 Concrete Container

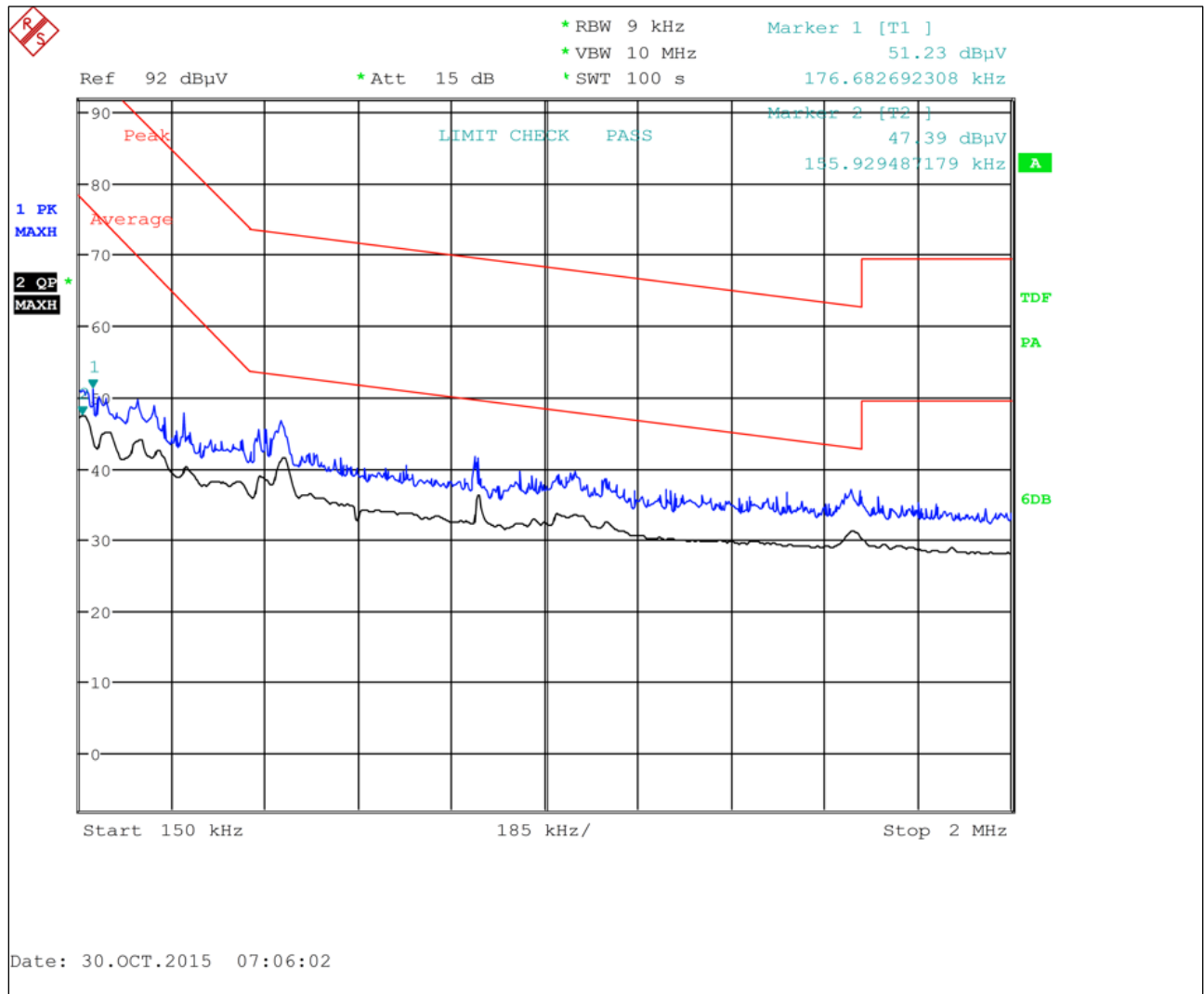
Plot 6-315: Radiated Emissions Transmit – 9 kHz – 150 kHz Horizontal Peak/Average



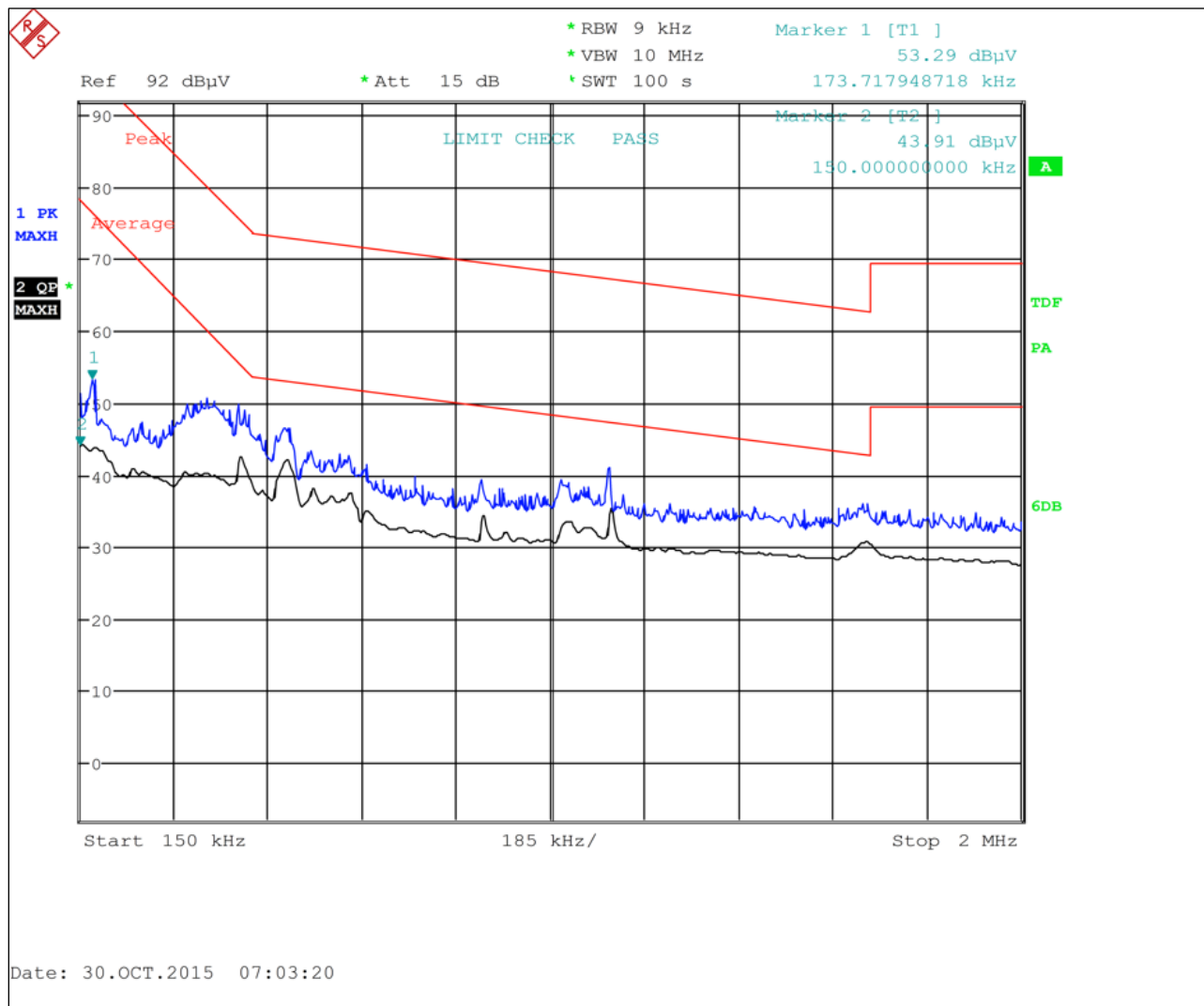
**Plot 6-316: Radiated Emissions Transmit – 9 kHz – 150 kHz Vertical Peak/Average**



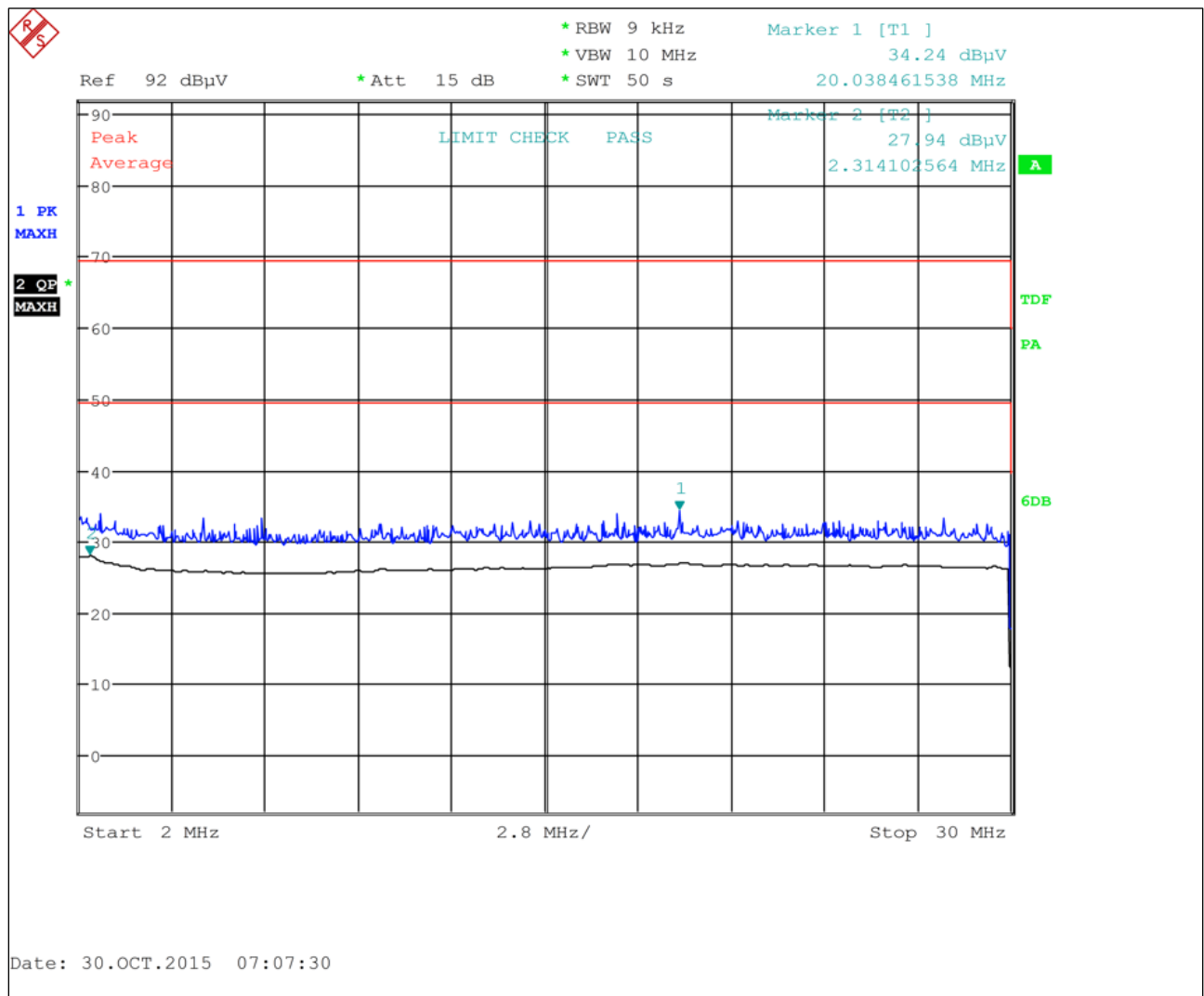
**Plot 6-317: Radiated Emissions Transmit – 150 kHz – 2 MHz Horizontal Peak/Average**



**Plot 6-318: Radiated Emissions Transmit – 150 kHz – 2 MHz Vertical Peak/Average**

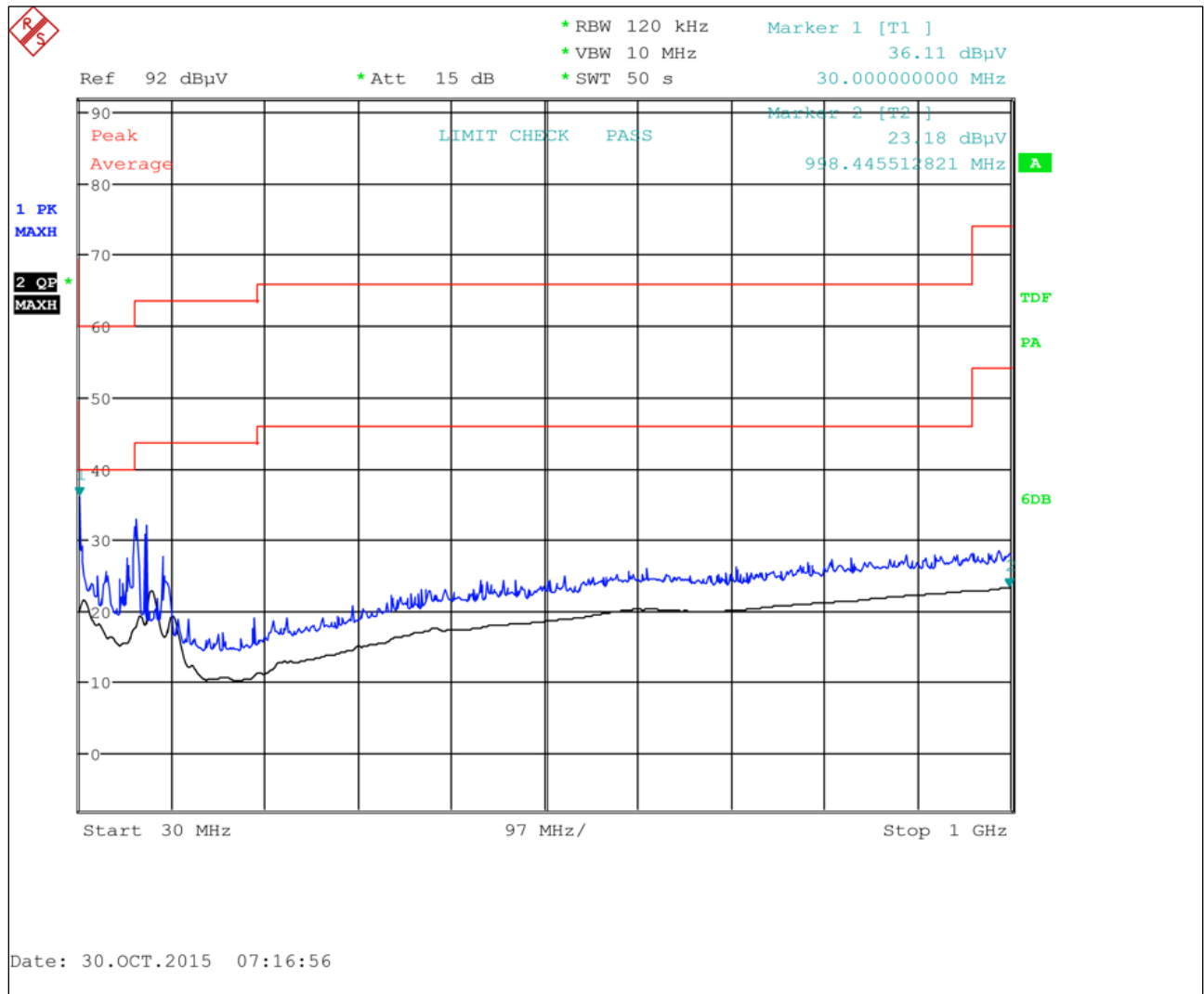


**Plot 6-319: Radiated Emissions Transmit – 2 MHz – 30 MHz Horizontal Peak/Average**

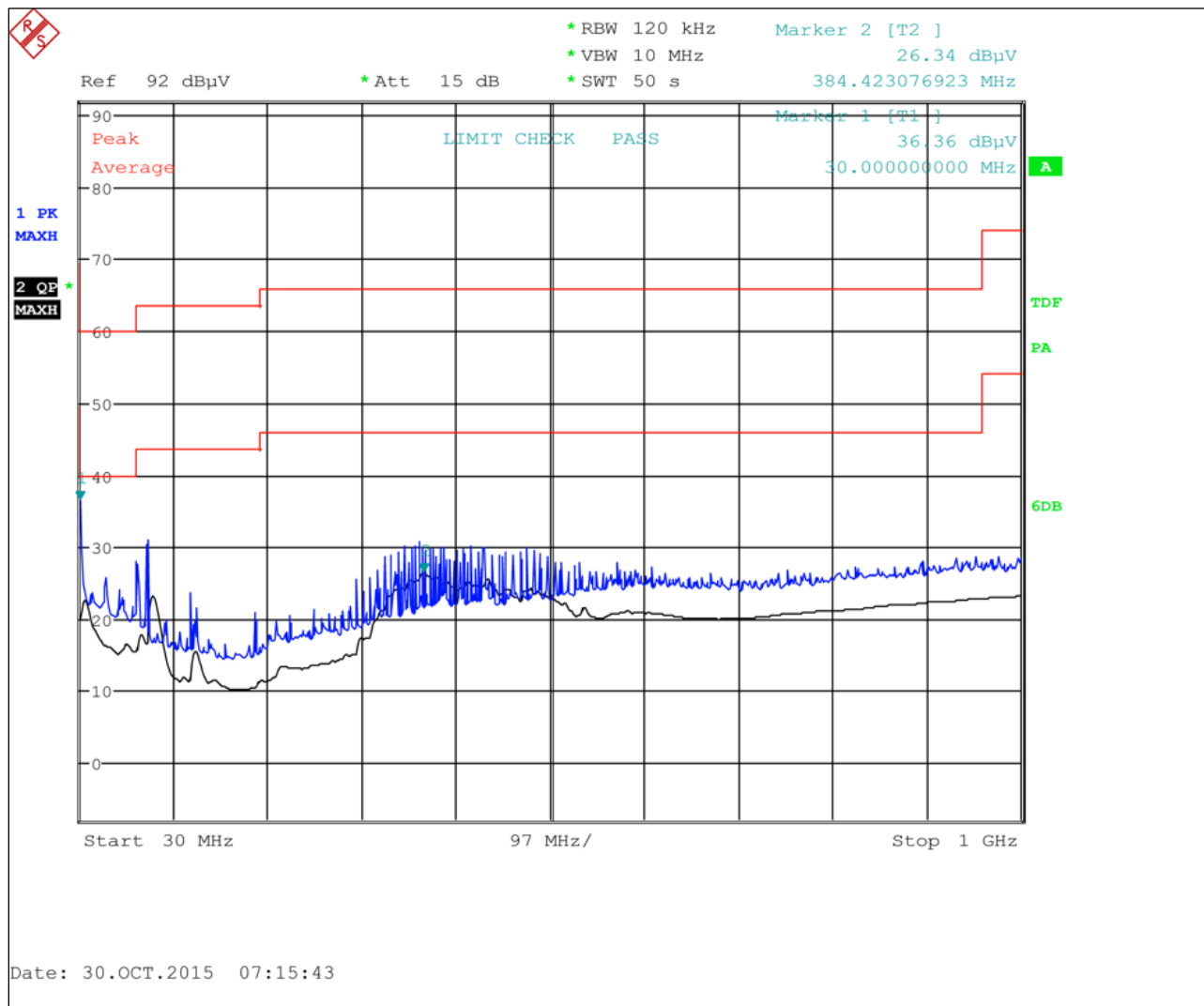




**Plot 6-321: Radiated Emissions Transmit – 30 MHz – 1 GHz Horizontal Peak/Average**



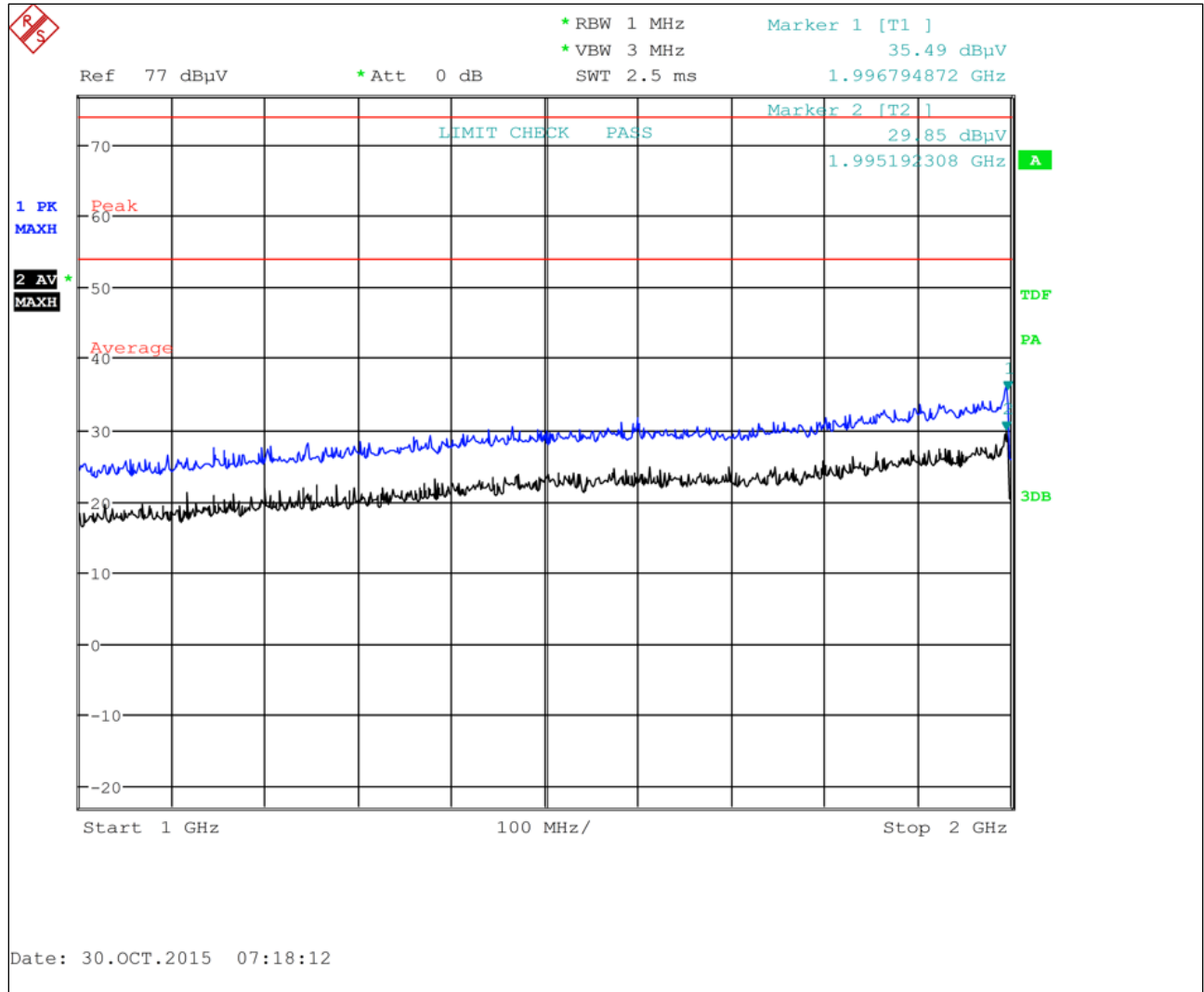
**Plot 6-322: Radiated Emissions Transmit – 30 MHz – 1 GHz Vertical Peak/Average**



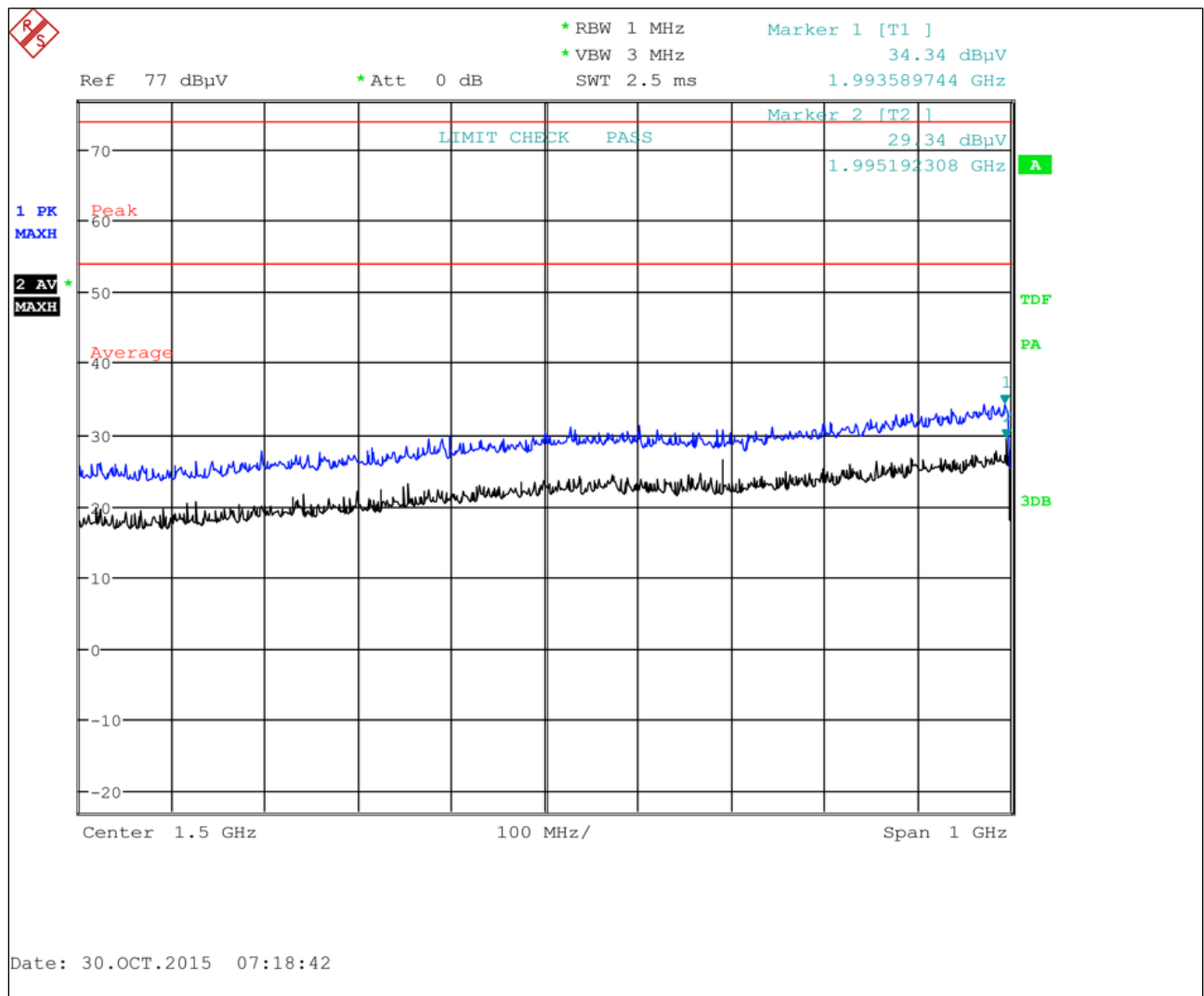
Note: Unwanted emissions were investigated as a digital device (other than harmonics) as required by 15.33(a)(3).

### 6.3.2.21 Radiated Emissions 1 GHz – 26 GHz Test Data – TC#7 Concrete Container

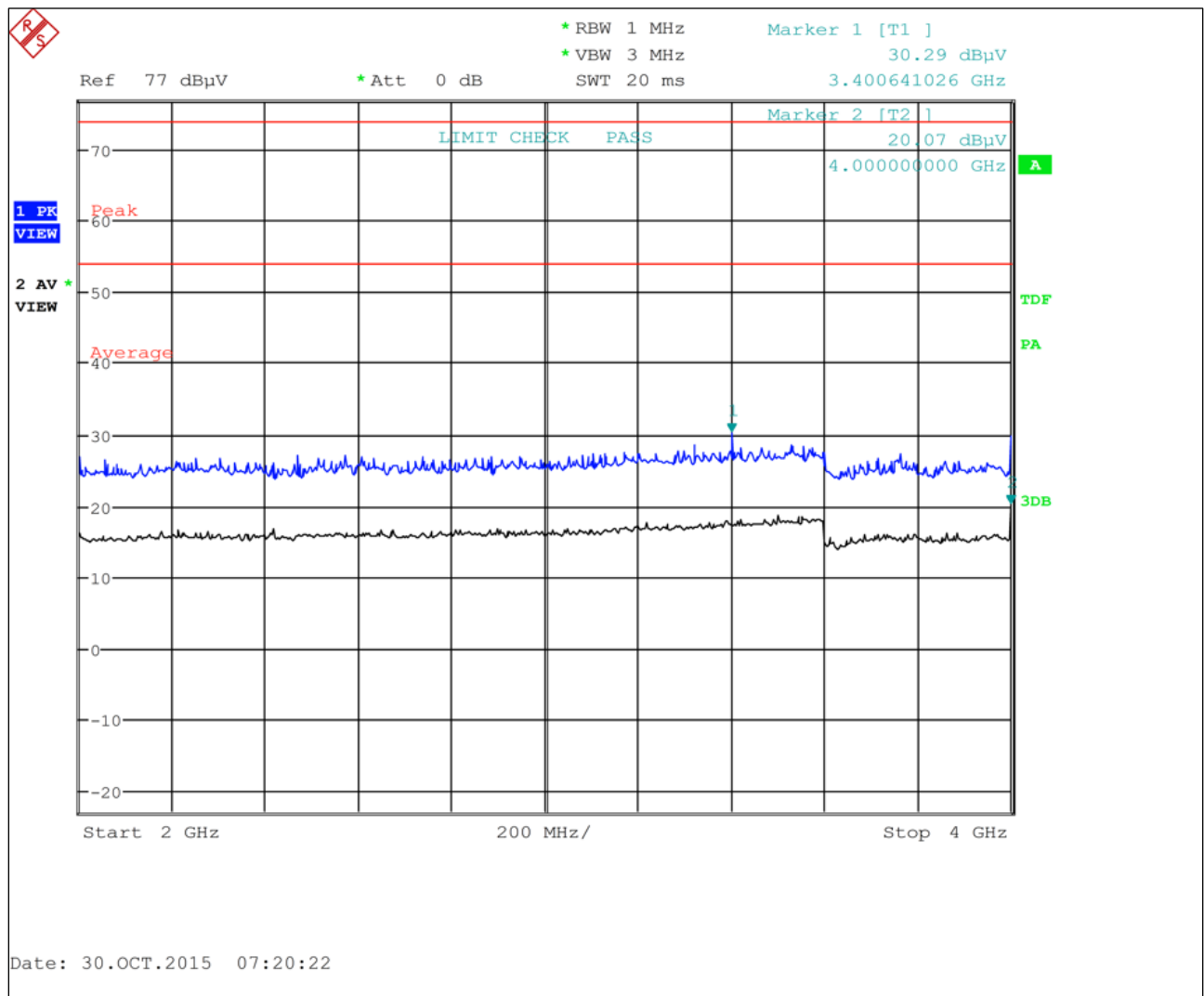
**Plot 6-323: Radiated Emissions 1 GHz – 2 GHz Horizontal Peak/Average**



**Plot 6-324: Radiated Emissions 1 GHz – 2 GHz Vertical Peak/Average**

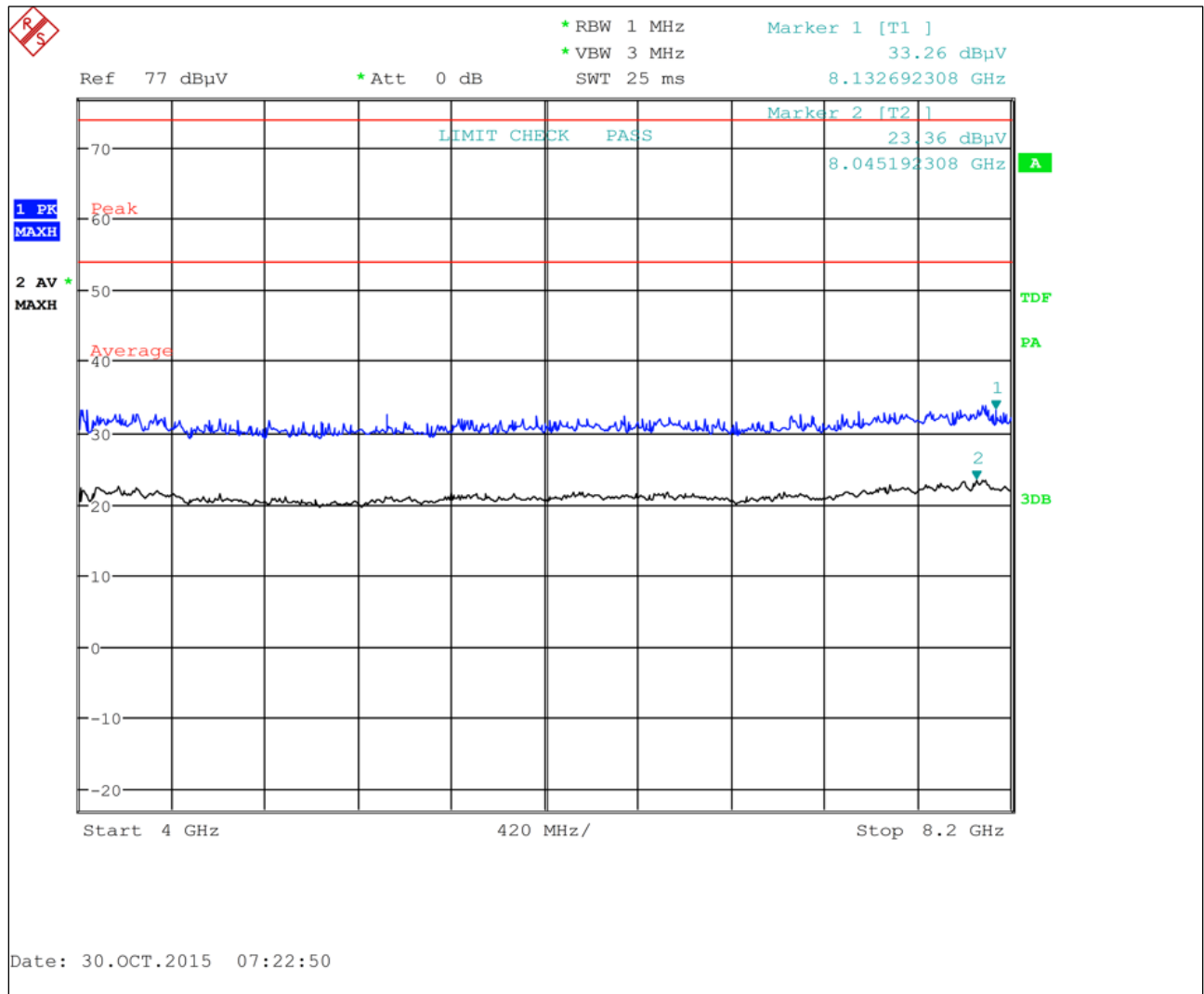


**Plot 6-325: Radiated Emissions 2 GHz – 4 GHz Horizontal Peak/Average**

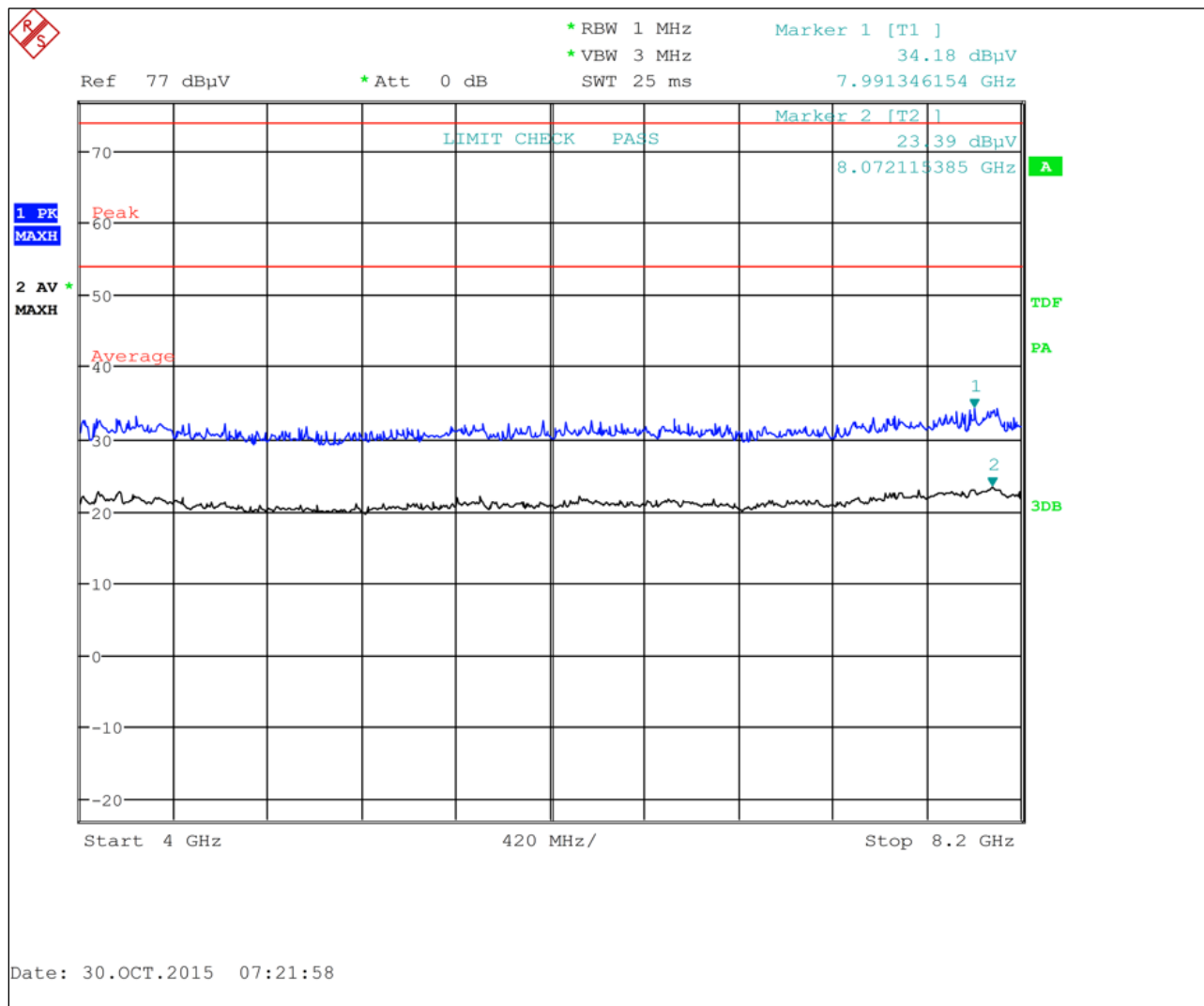




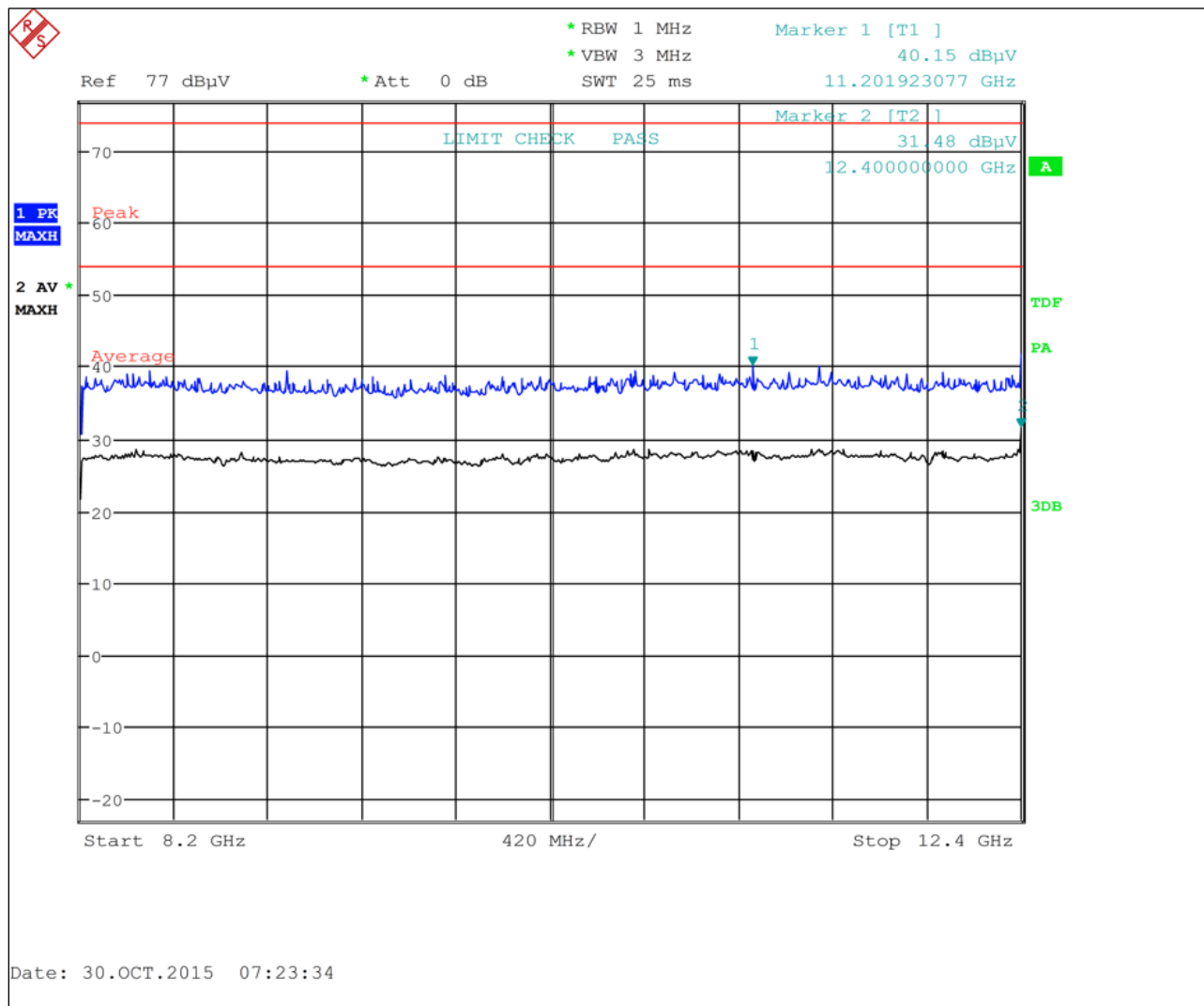
**Plot 6-327: Radiated Emissions 4 GHz – 8 GHz Horizontal Peak/Average**



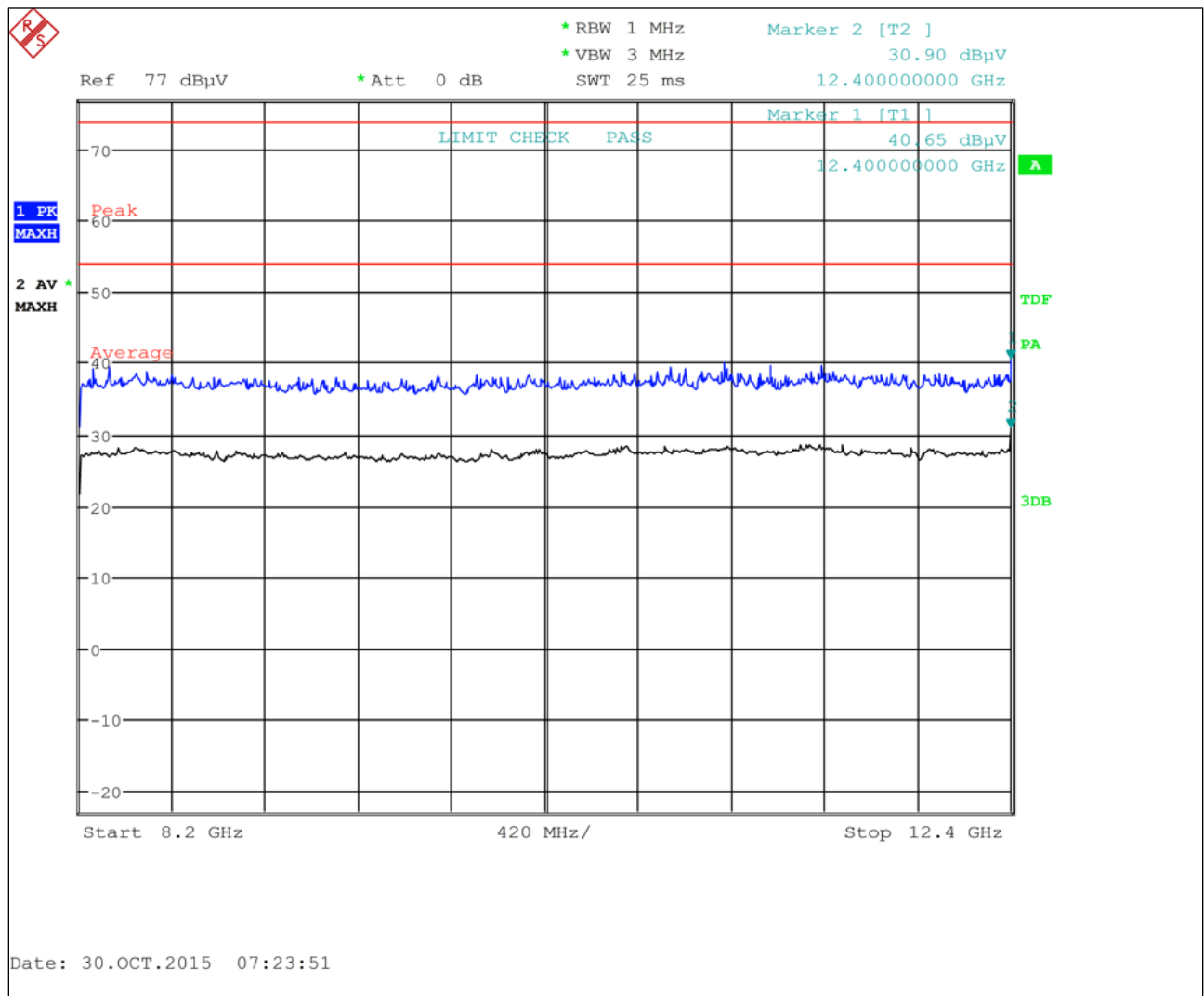
**Plot 6-328: Radiated Emissions 4 GHz – 8 GHz Vertical Peak/Average**



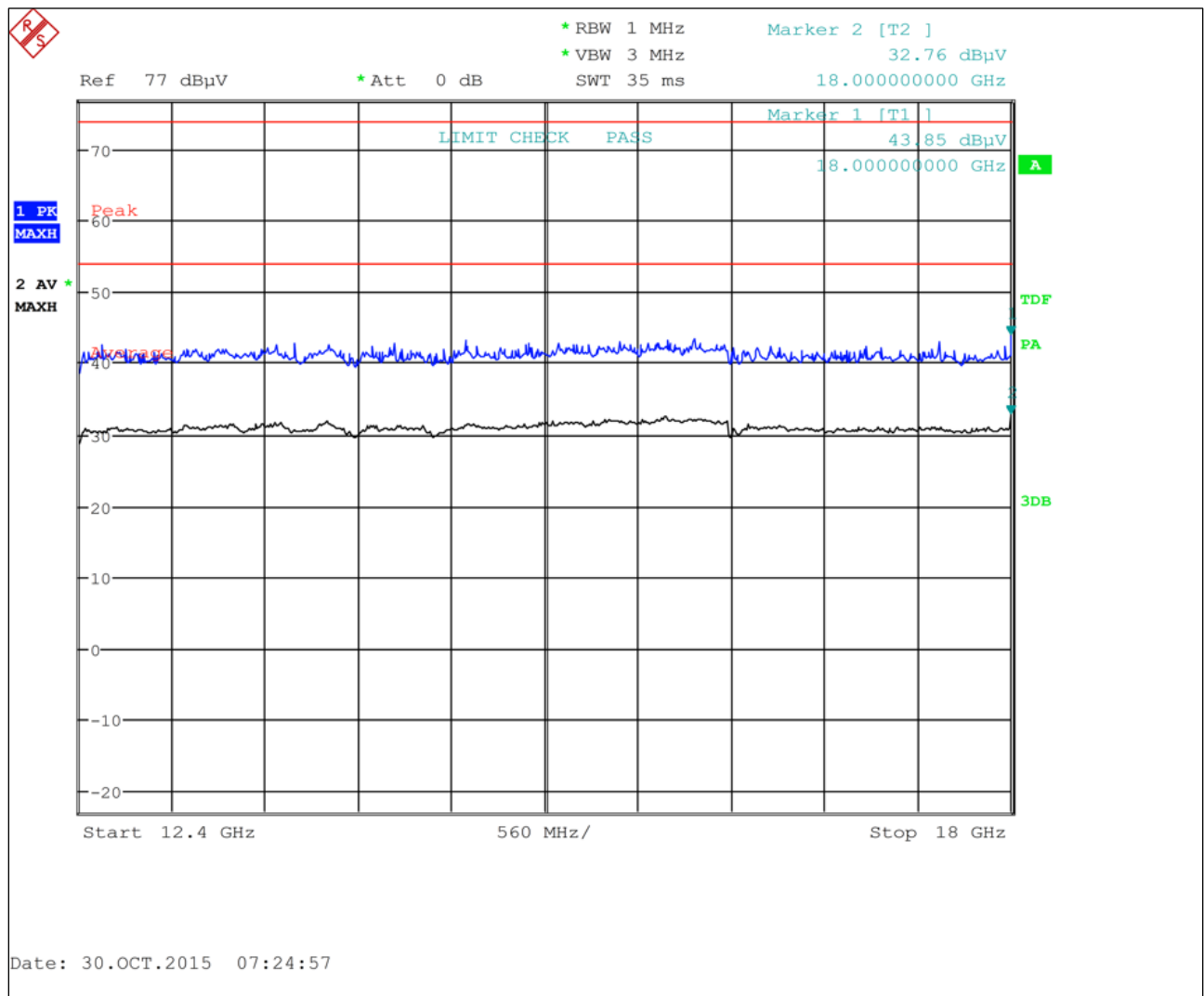
**Plot 6-329: Radiated Emissions 8 GHz – 12 GHz Horizontal Peak/Average**



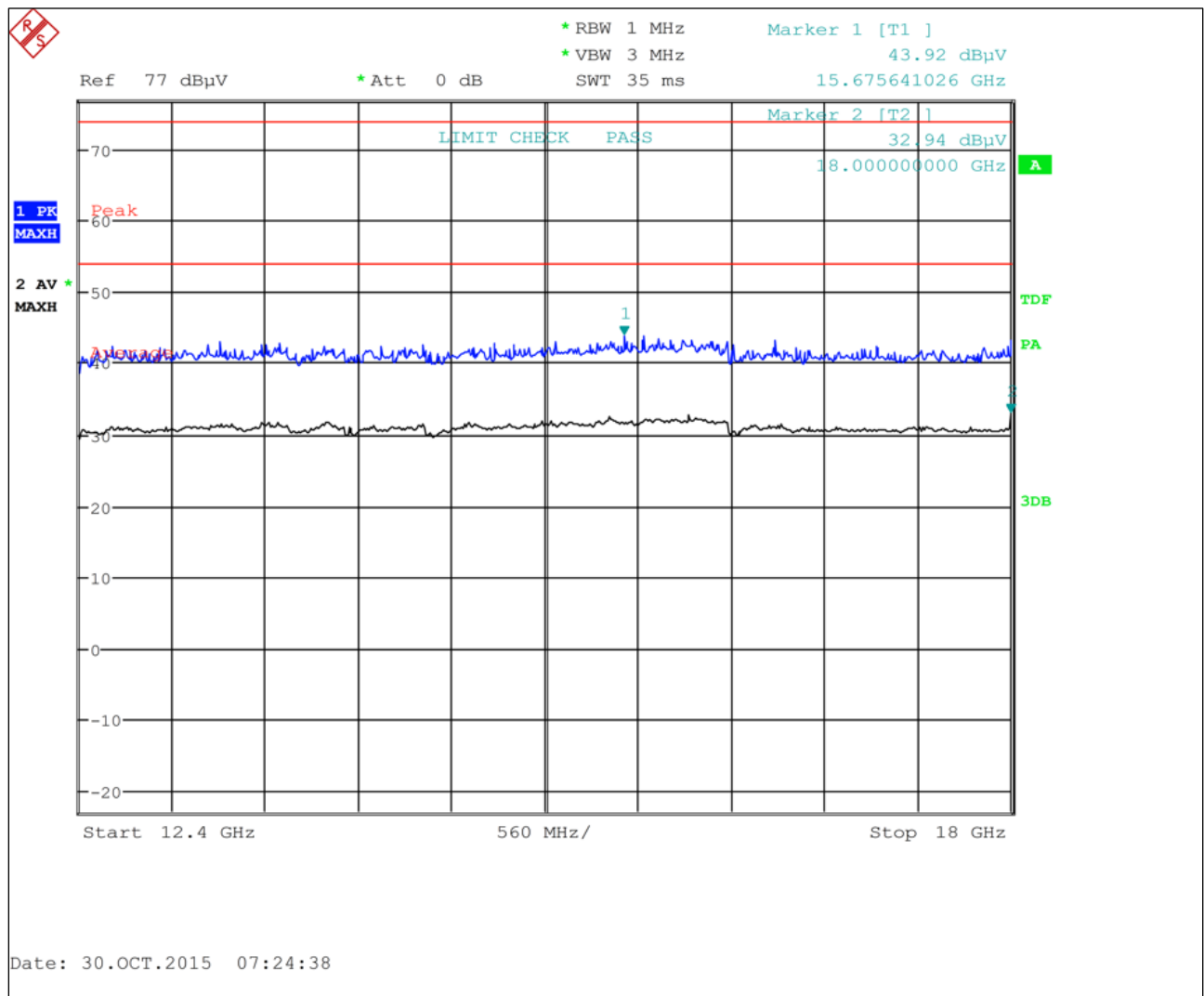
**Plot 6-330: Radiated Emissions 8 GHz – 12 GHz Vertical Peak/Average**



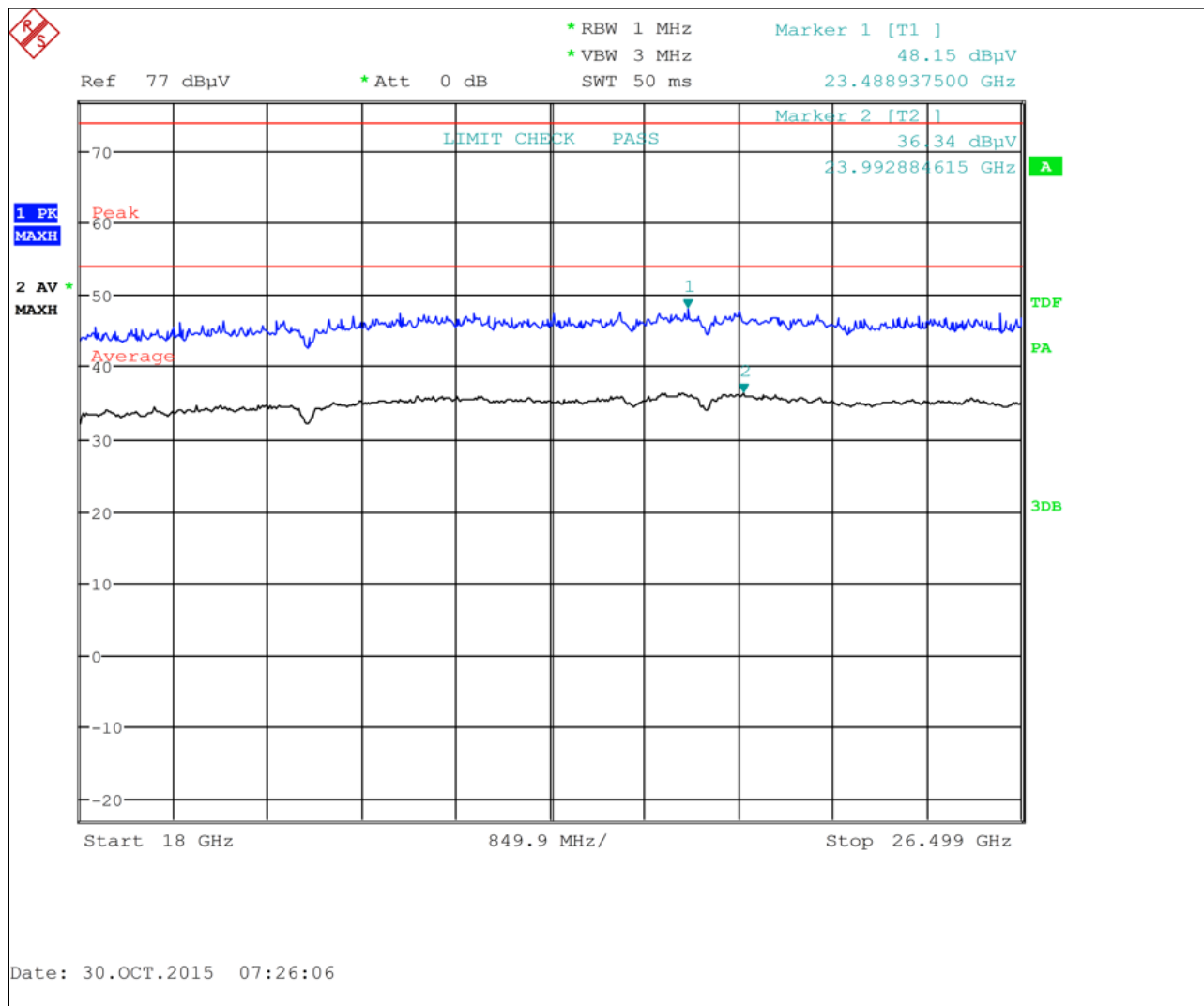
**Plot 6-331: Radiated Emissions 12 GHz – 18 GHz Horizontal Peak/Average**



**Plot 6-332: Radiated Emissions 12 GHz – 18 GHz Vertical Peak/Average**



**Plot 6-333: Radiated Emissions 18 GHz – 26 GHz Horizontal Peak/Average**



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**Plot 6-334: Radiated Emissions 18 GHz – 26 GHz Vertical Peak/Average**

