

### 6.3.2.22 Radiated Emissions Carrier Test Data - TC#8 Concrete Container

Plot 6-335: Radiated Emissions of Carrier - TC #8 Concrete Container

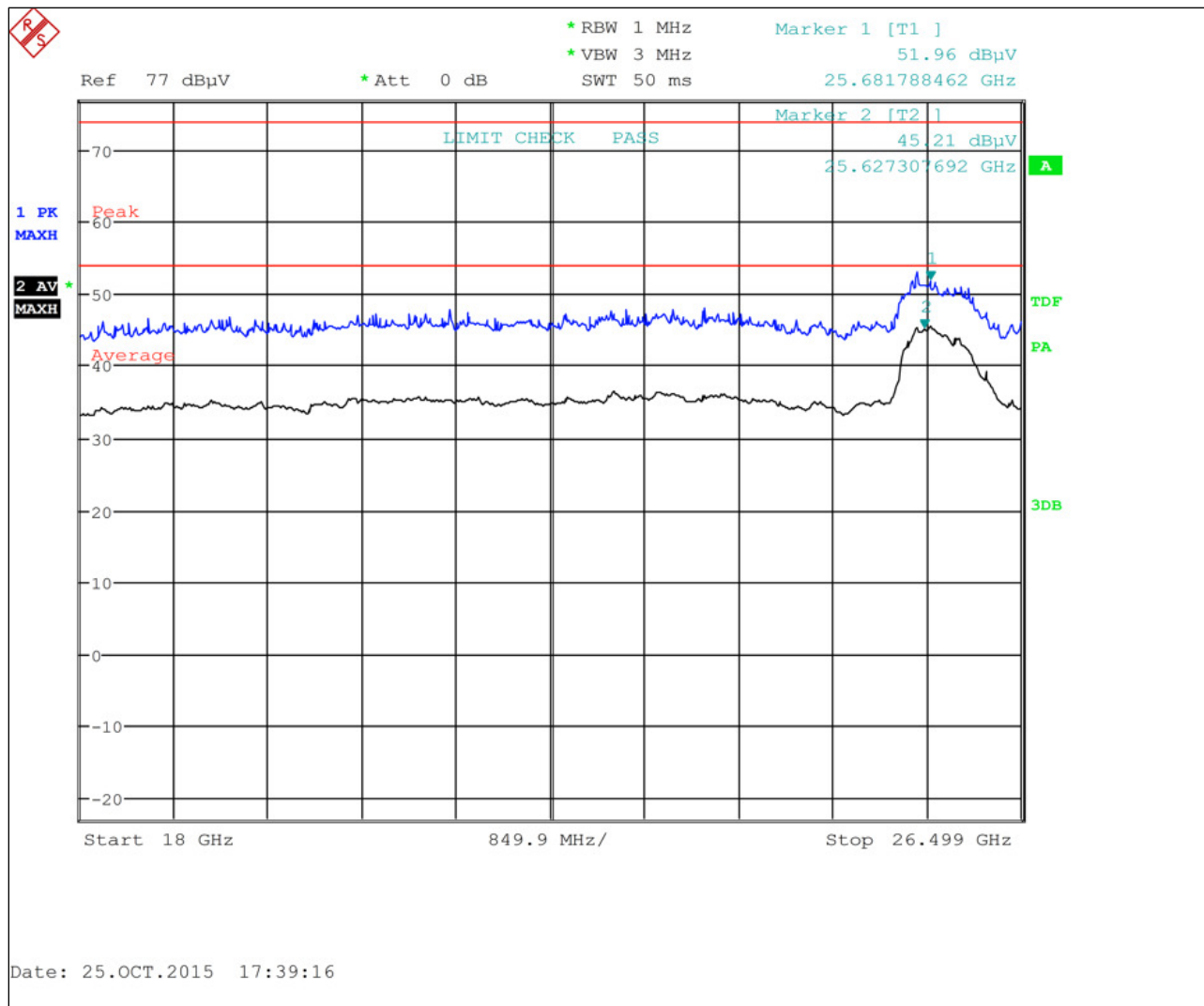
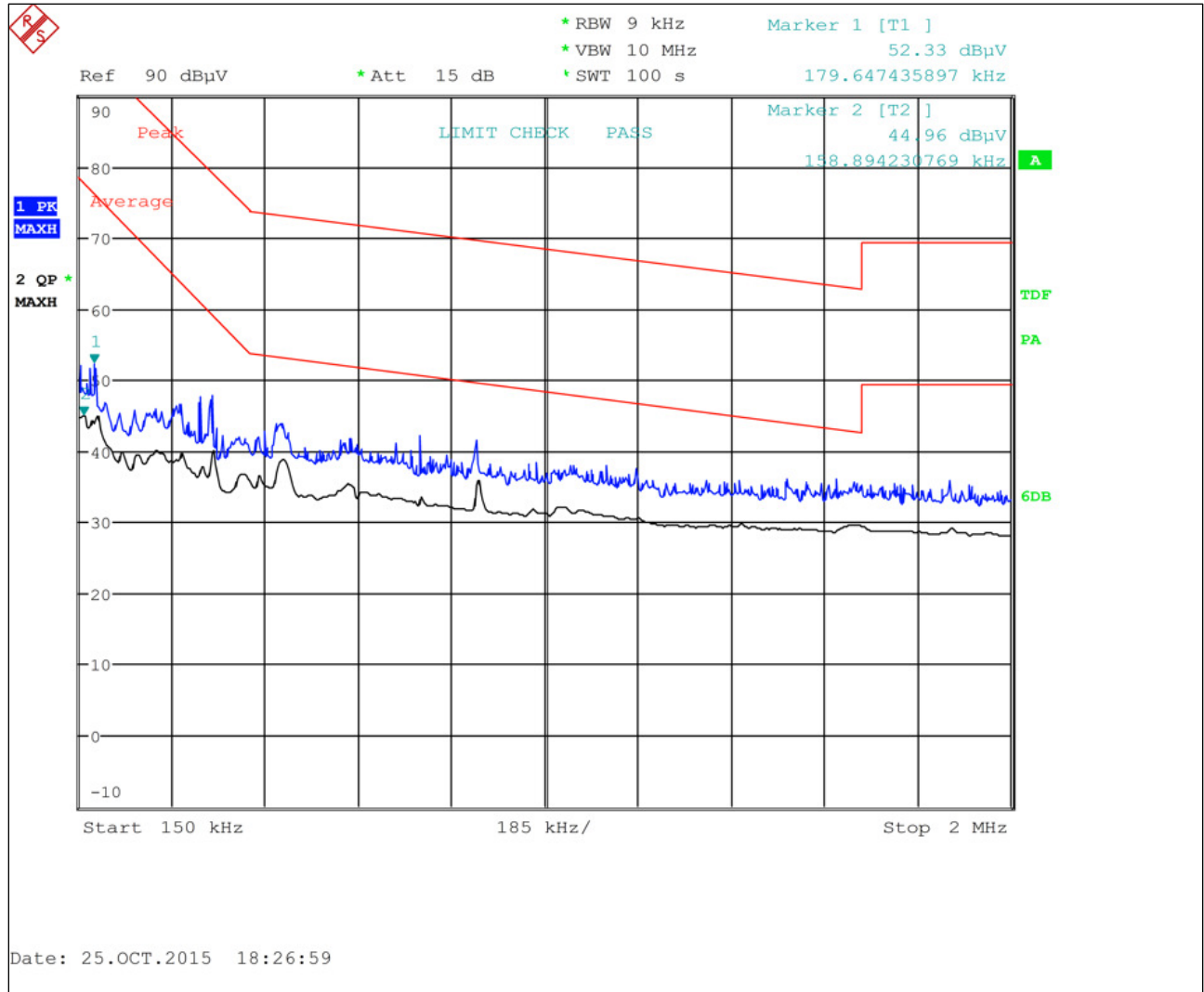


Table 6-17: Radiated Emissions of Carrier – TC #8 Concrete Container

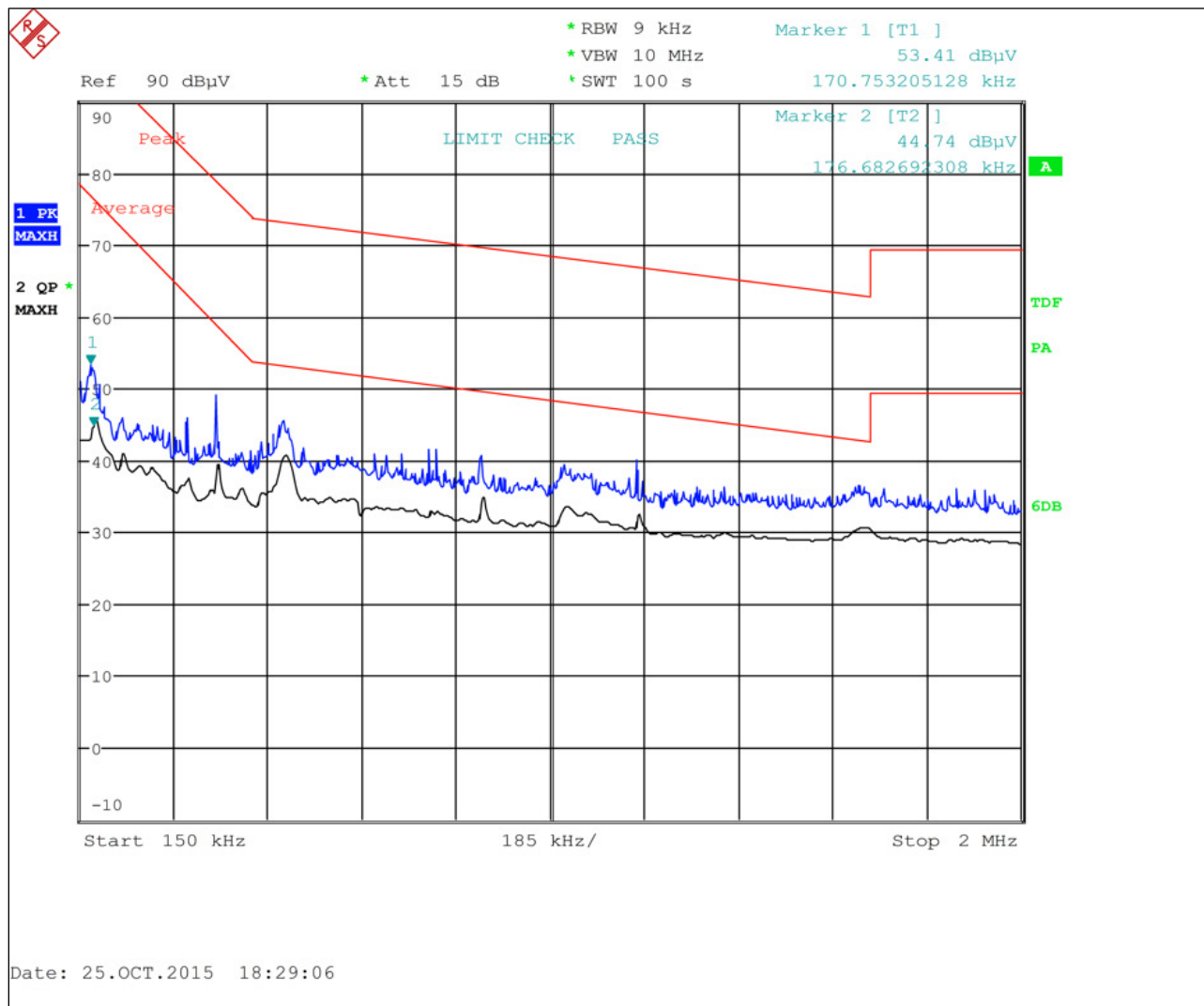
| Frequency (GHz) | Detector | Test Antenna Pol | Corrected Spectrum Analyzer Level (dBμV/m) | FCC Limit (dBμV) | Margin (dB) | Corrected Spectrum Analyzer Level (dBm/MHz) | IC Limit (dBm/MHz) | Margin (dBm) |
|-----------------|----------|------------------|--------------------------------------------|------------------|-------------|---------------------------------------------|--------------------|--------------|
| 25.6818         | Peak     | V                | 52.0                                       | 74.0             | -22.0       | NA                                          |                    |              |
| 25.6273         | Average  | V                | 45.2                                       | 54.0             | -8.8        | -50.0                                       | -41.3              | 8.7          |

### 6.3.2.23 Radiated Emissions Below 1 GHz Test Data – TC#8 Concrete Container

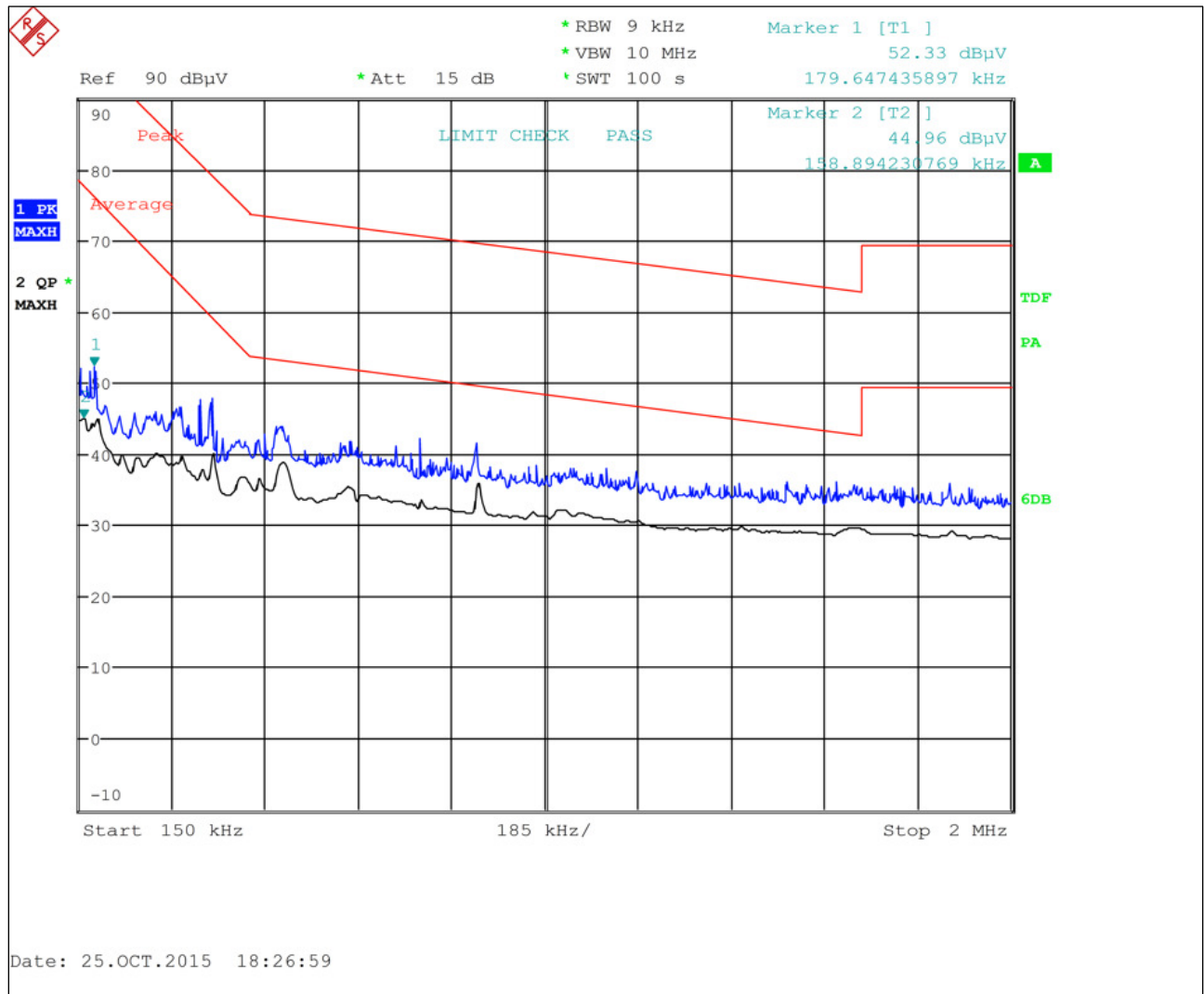
**Plot 6-336: Radiated Emissions Transmit – 9 kHz – 150 kHz Horizontal Peak/Average**



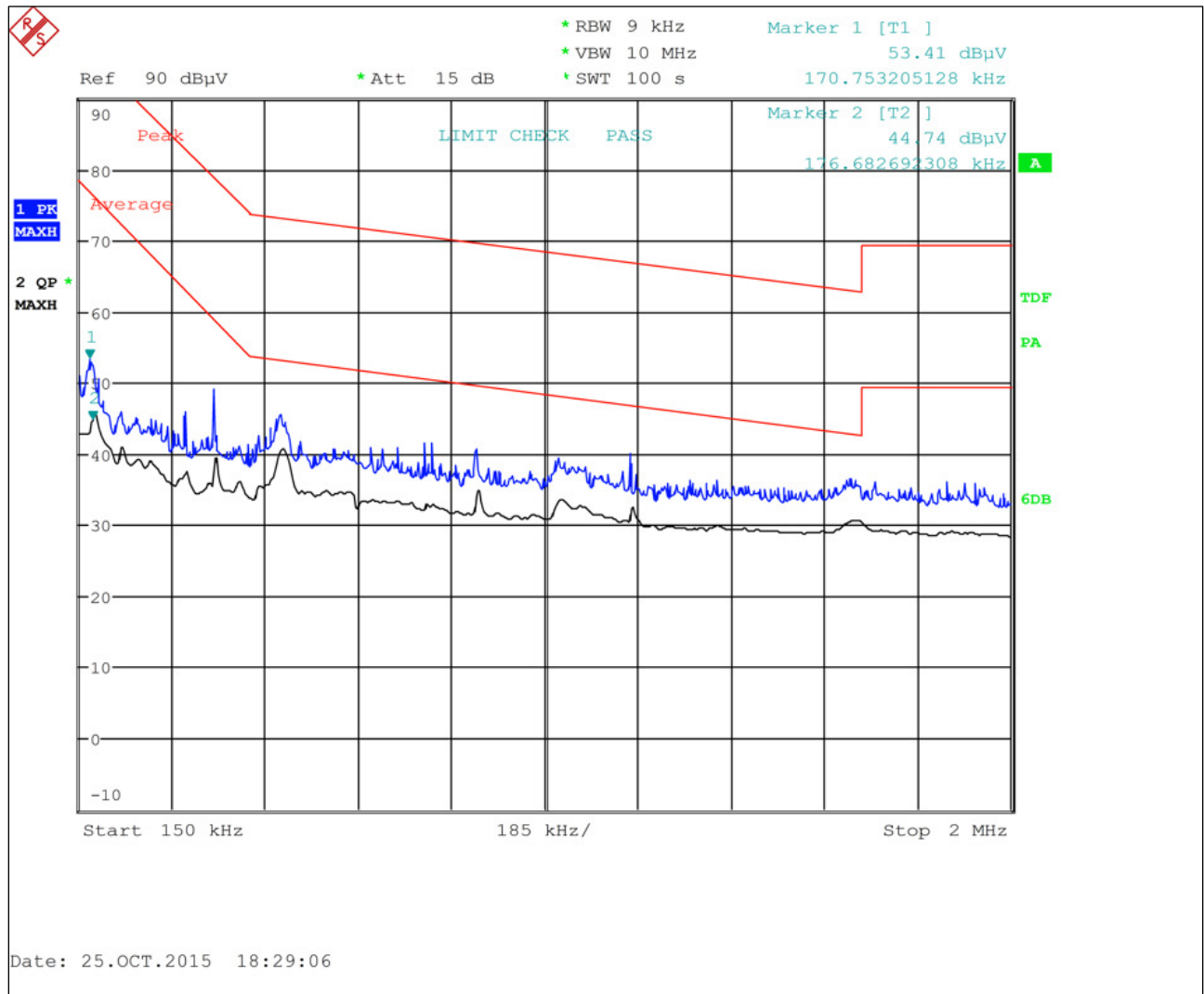
**Plot 6-337: Radiated Emissions Transmit – 9 kHz – 150 kHz Vertical Peak/Average**



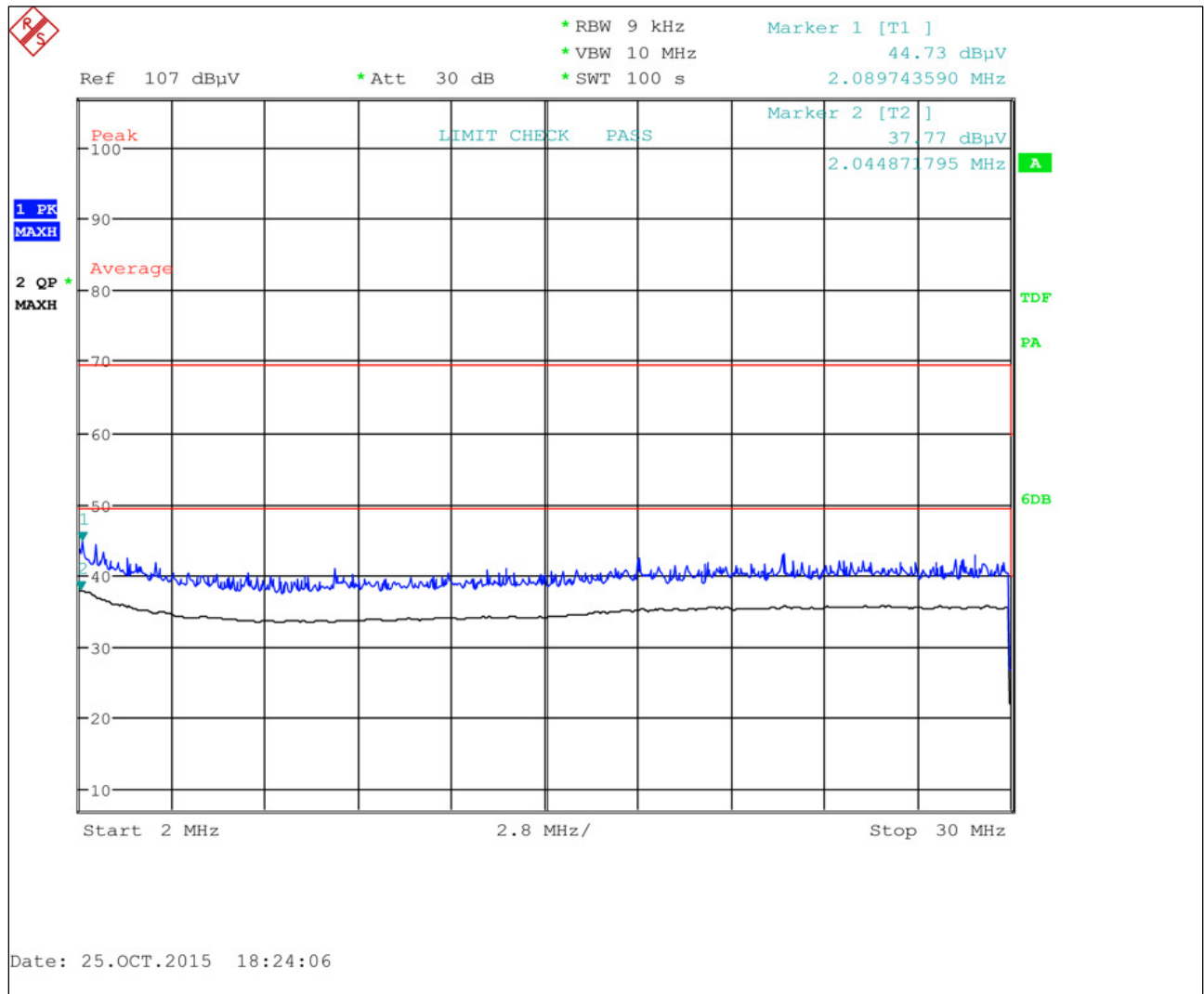
**Plot 6-338: Radiated Emissions Transmit – 150 kHz – 2 MHz Horizontal Peak/Average**



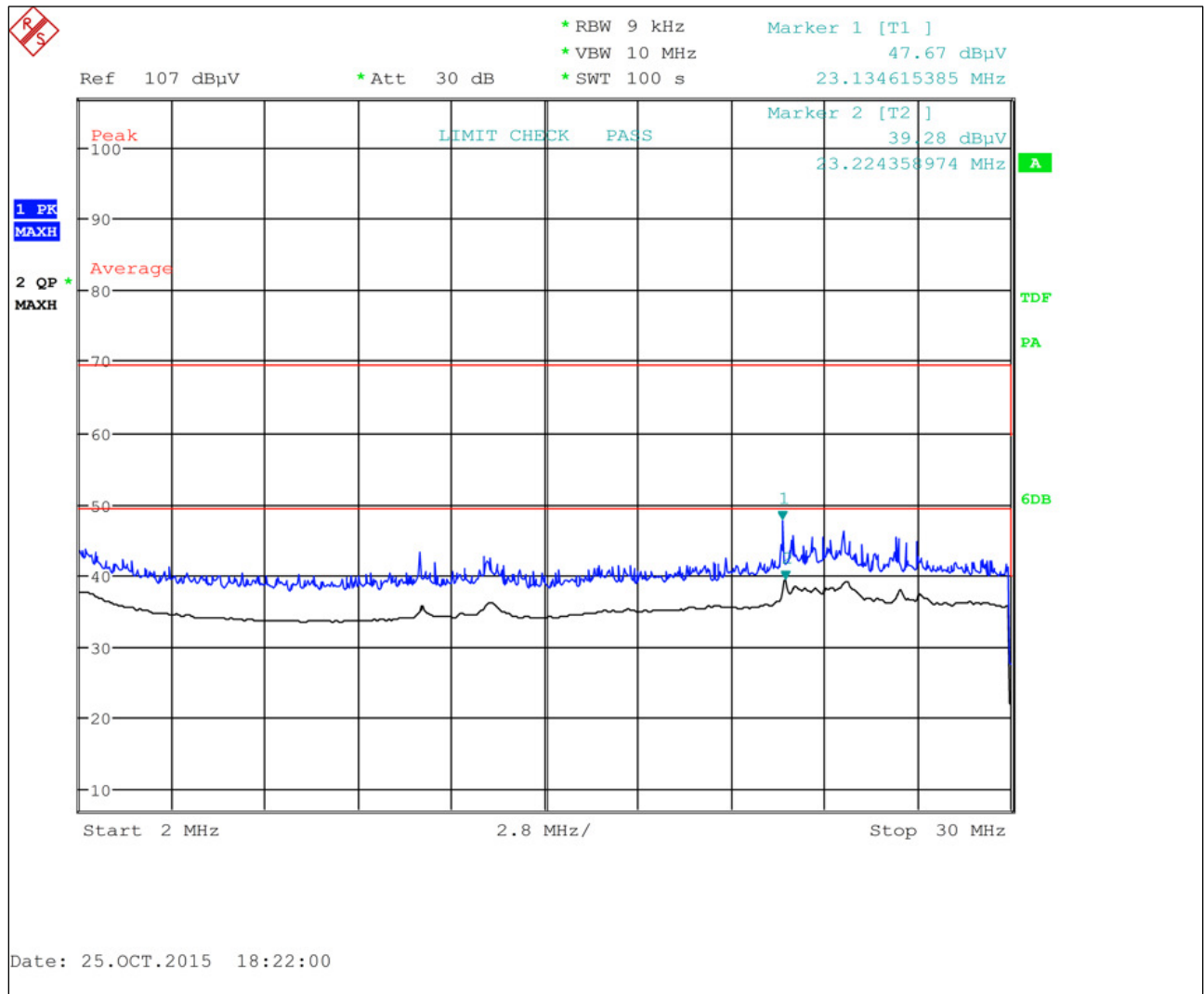
**Plot 6-339: Radiated Emissions Transmit – 150 kHz – 2 MHz Vertical Peak/Average**



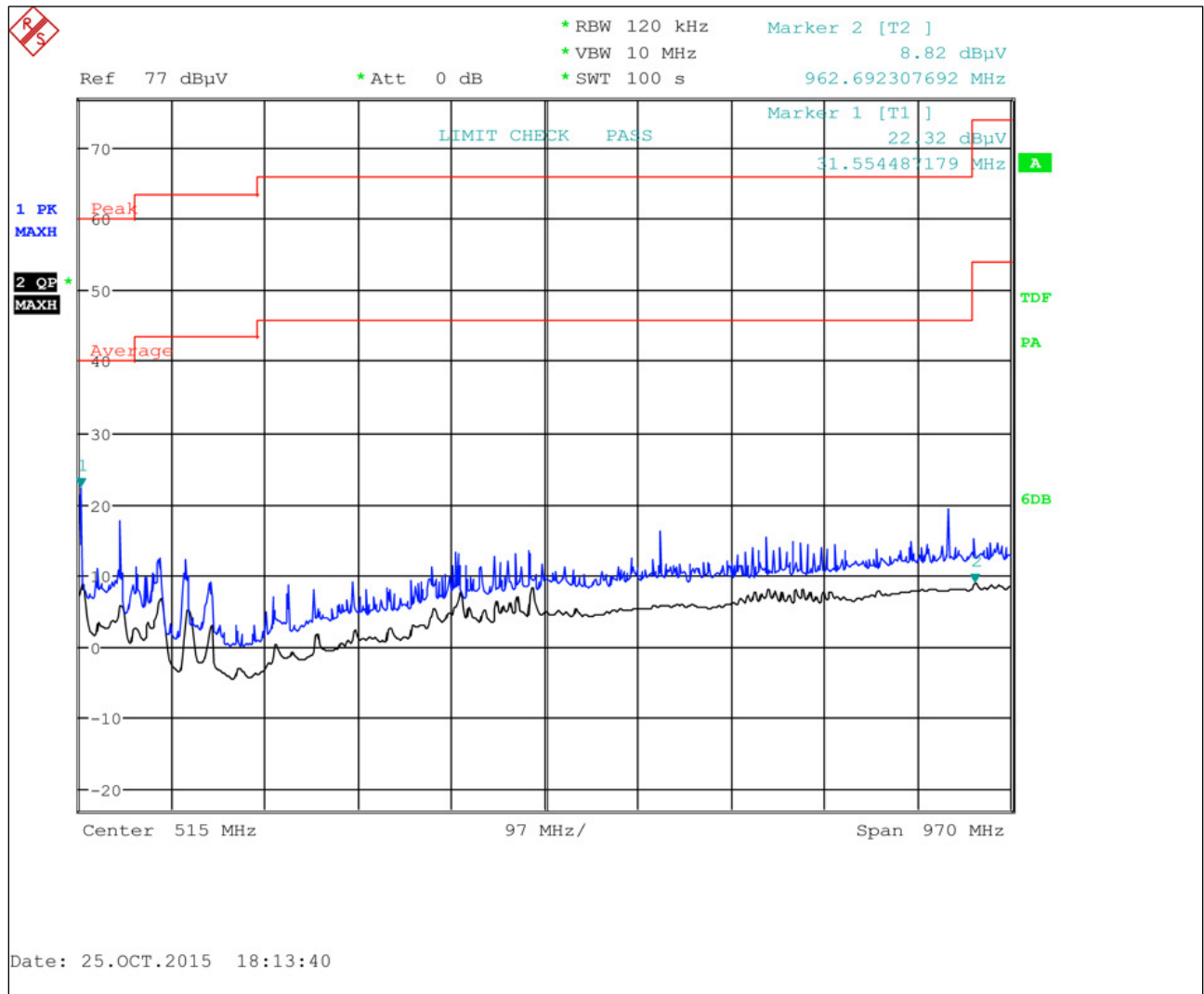
**Plot 6-340: Radiated Emissions Transmit – 2 MHz – 30 MHz Horizontal Peak/Average**



**Plot 6-341: Radiated Emissions Transmit – 2 MHz – 30 MHz Vertical Peak/Average**

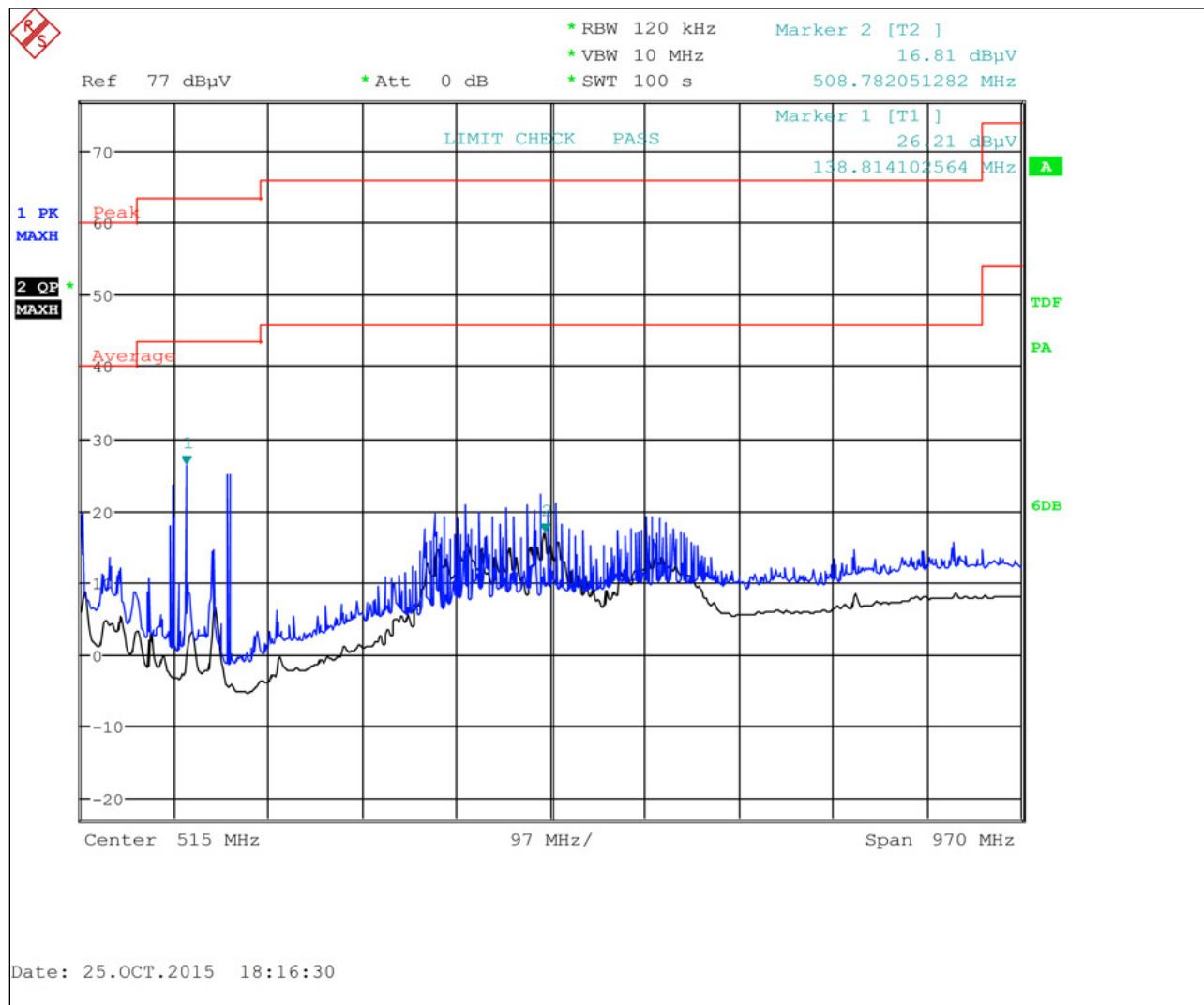


**Plot 6-342: Radiated Emissions Transmit – 30 MHz – 1 GHz Horizontal Peak/Average**





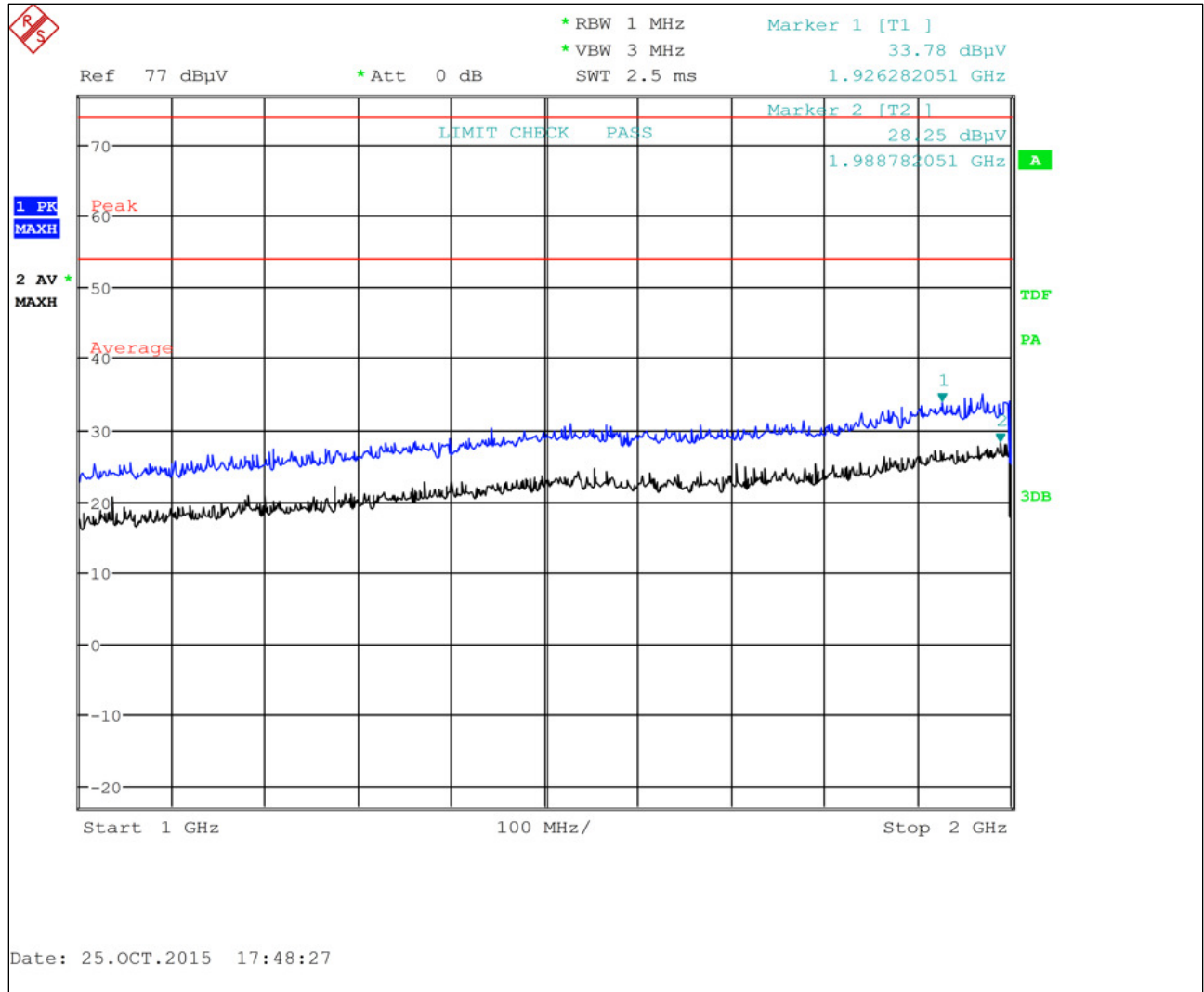
**Plot 6-343: Radiated Emissions Transmit – 30 MHz – 1 GHz Vertical Peak/Average**



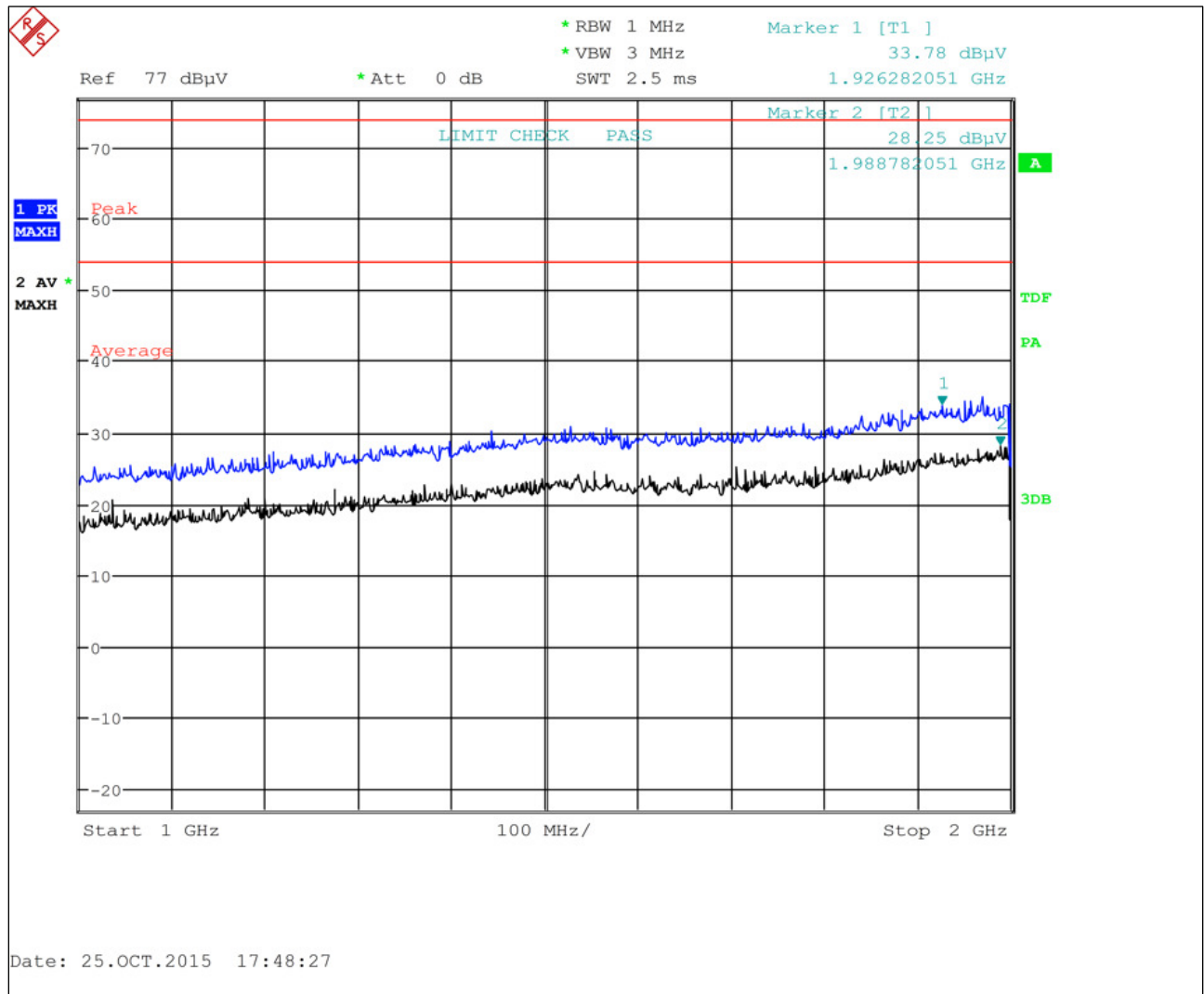
Note: Unwanted emissions were investigated as a digital device (other than harmonics) as required by 15.33(a)(3).

### 6.3.2.24 Radiated Emissions 1 GHz – 26 GHz Test Data – TC#8 Concrete Container

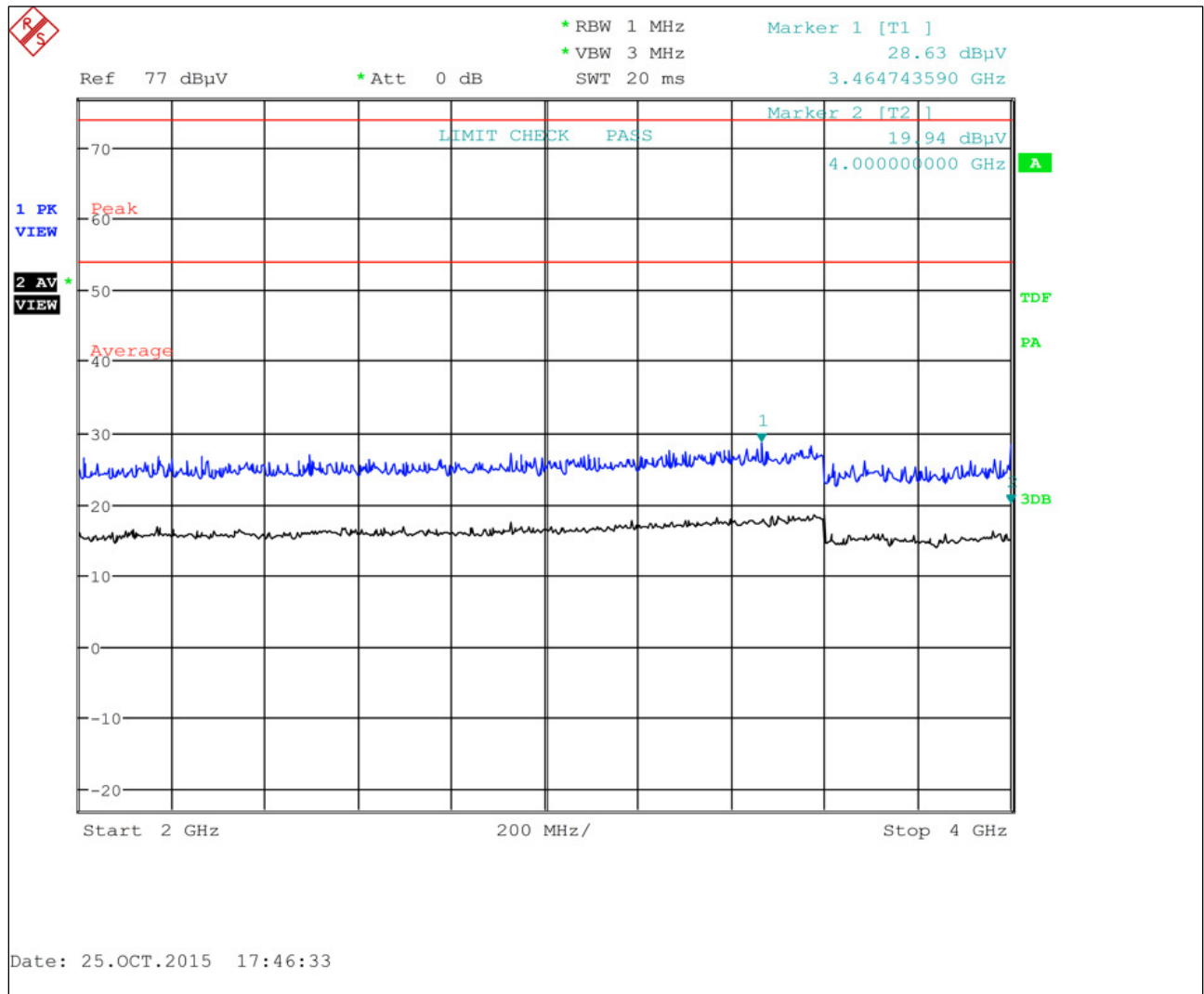
**Plot 6-344: Radiated Emissions 1 GHz – 2 GHz Horizontal Peak/Average**



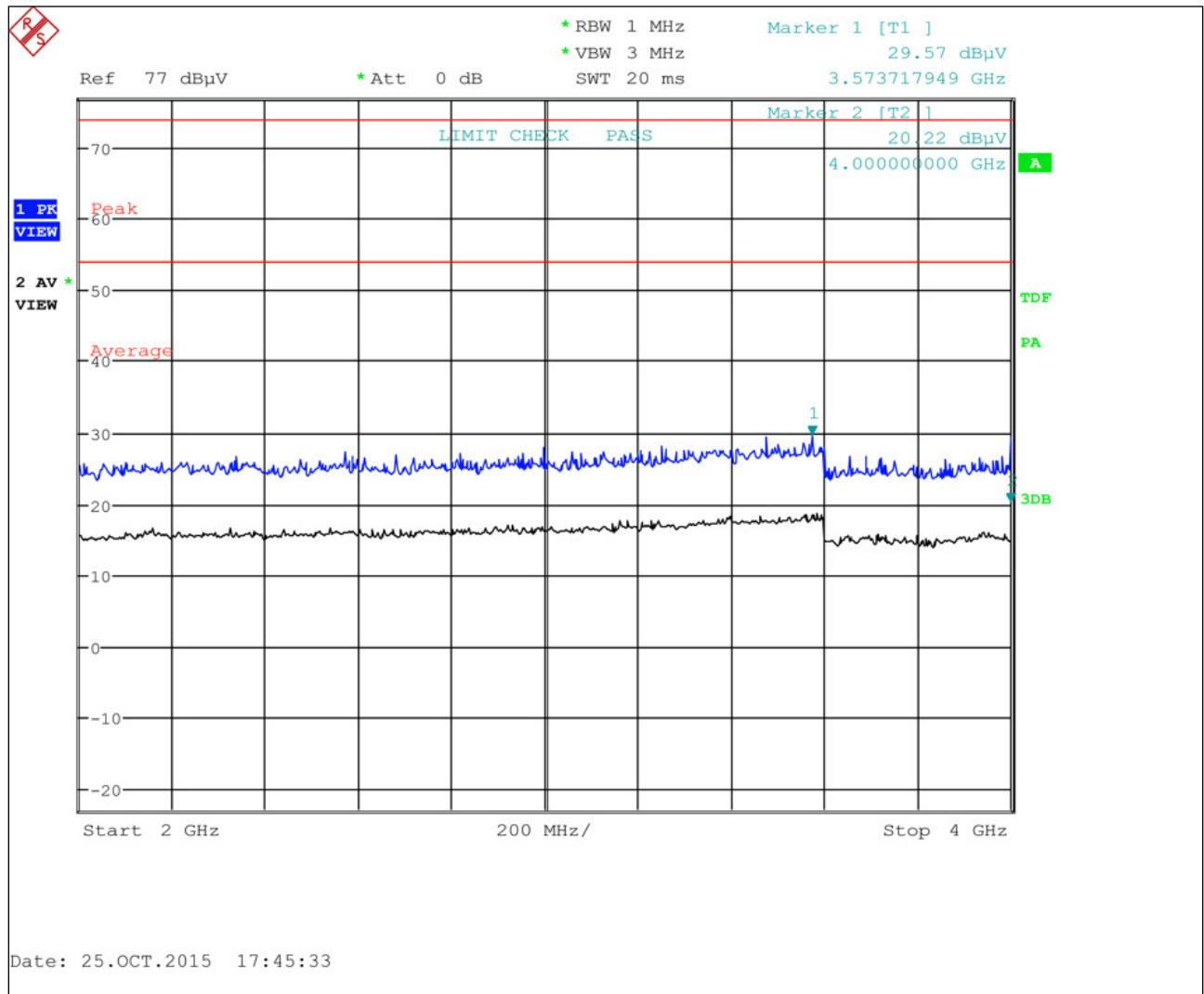
**Plot 6-345: Radiated Emissions 1 GHz – 2 GHz Vertical Peak/Average**



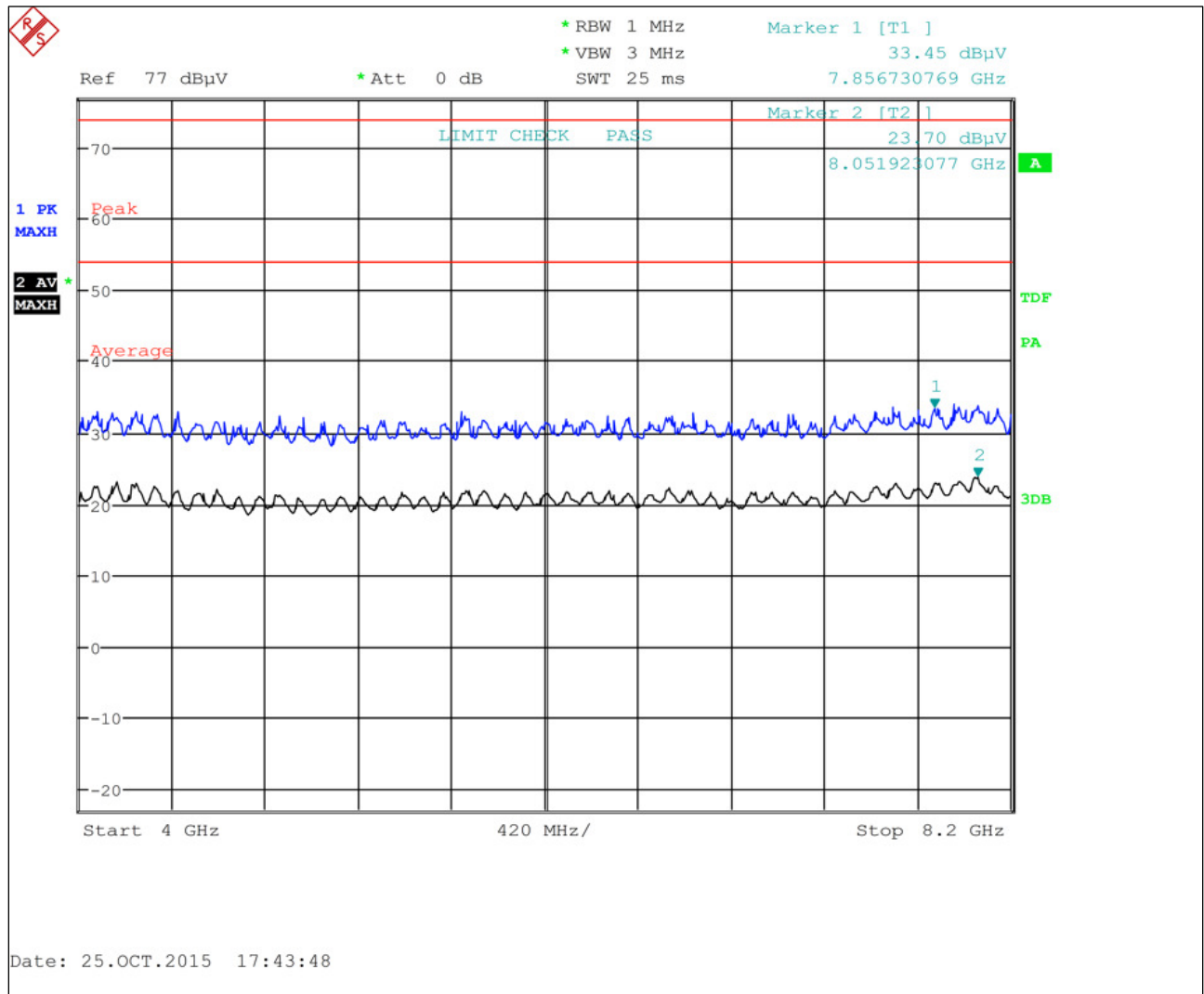
**Plot 6-346: Radiated Emissions 2 GHz – 4 GHz Horizontal Peak/Average**



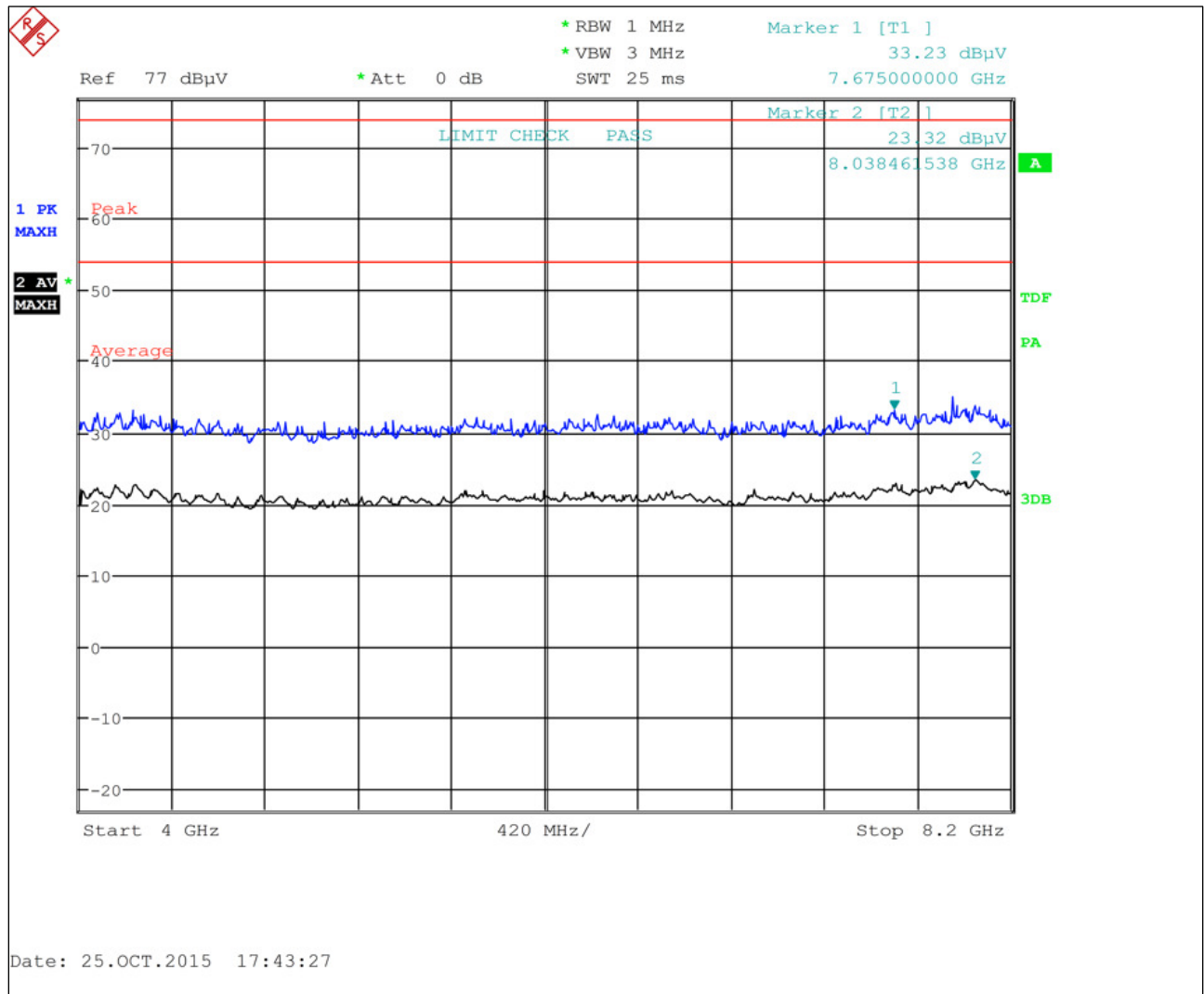
**Plot 6-347: Radiated Emissions 2 GHz – 4 GHz Vertical Peak/Average**



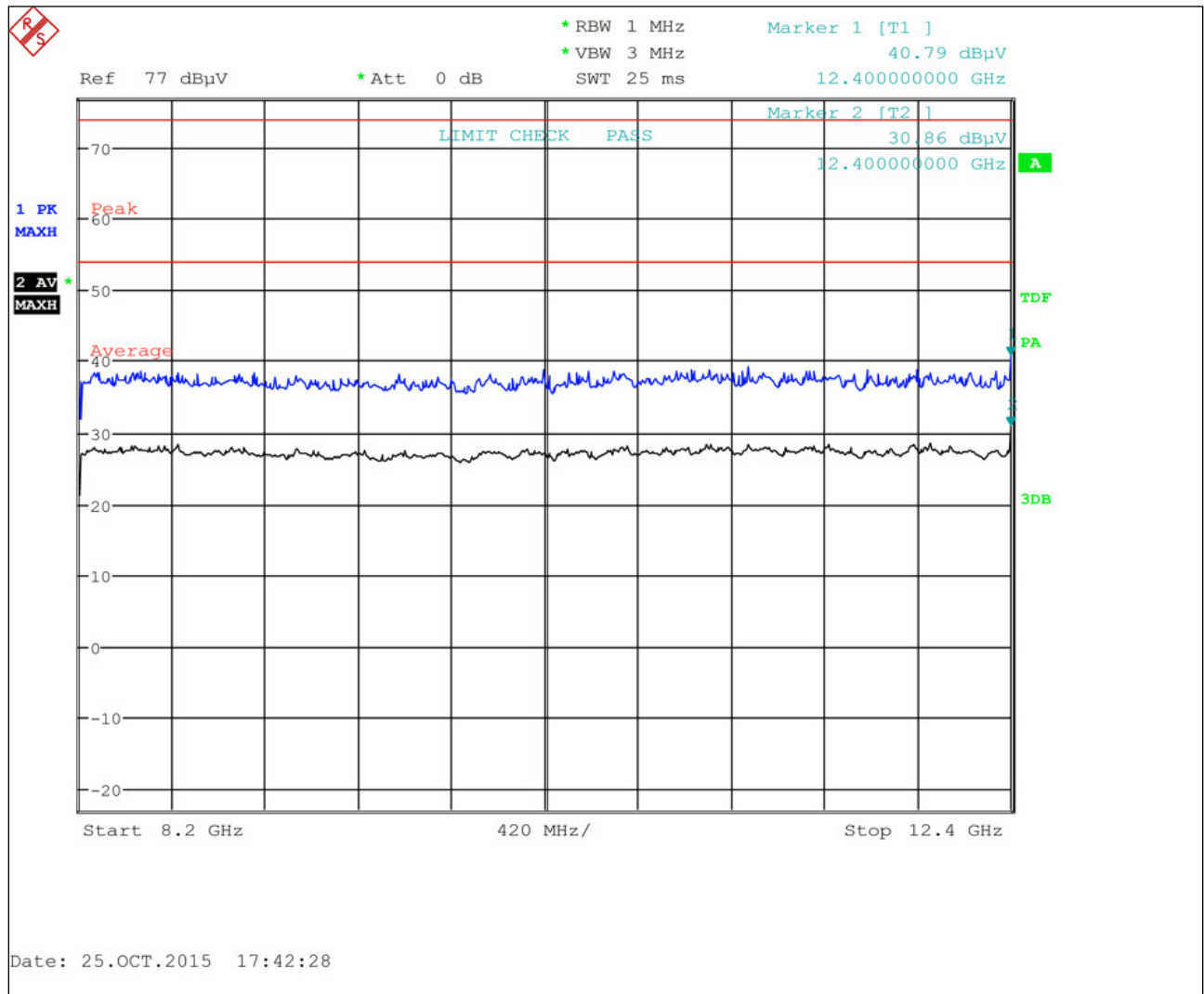
**Plot 6-348: Radiated Emissions 4 GHz – 8 GHz Horizontal Peak/Average**



**Plot 6-349: Radiated Emissions 4 GHz – 8 GHz Vertical Peak/Average**

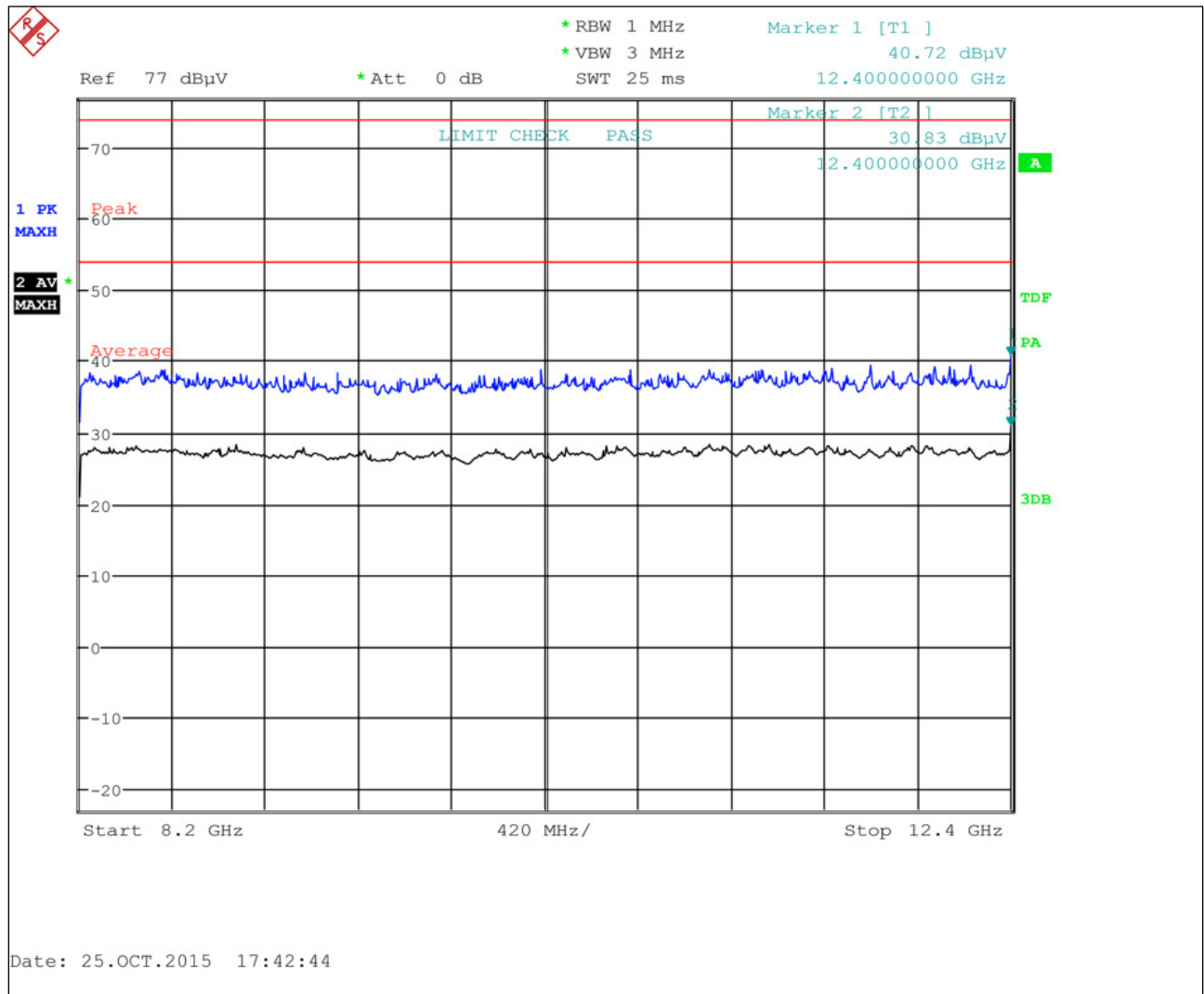


**Plot 6-350: Radiated Emissions 8 GHz – 12 GHz Horizontal Peak/Average**

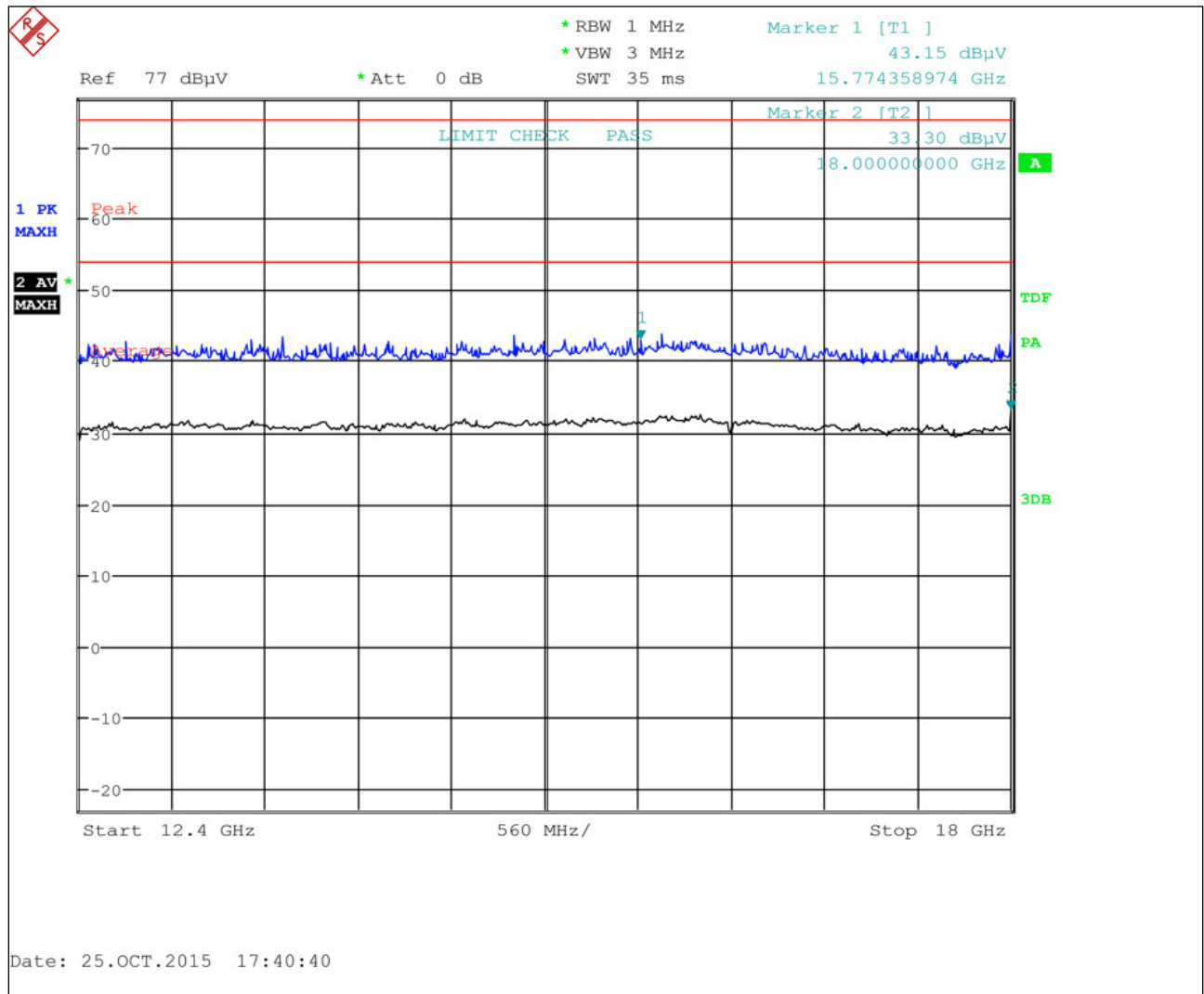




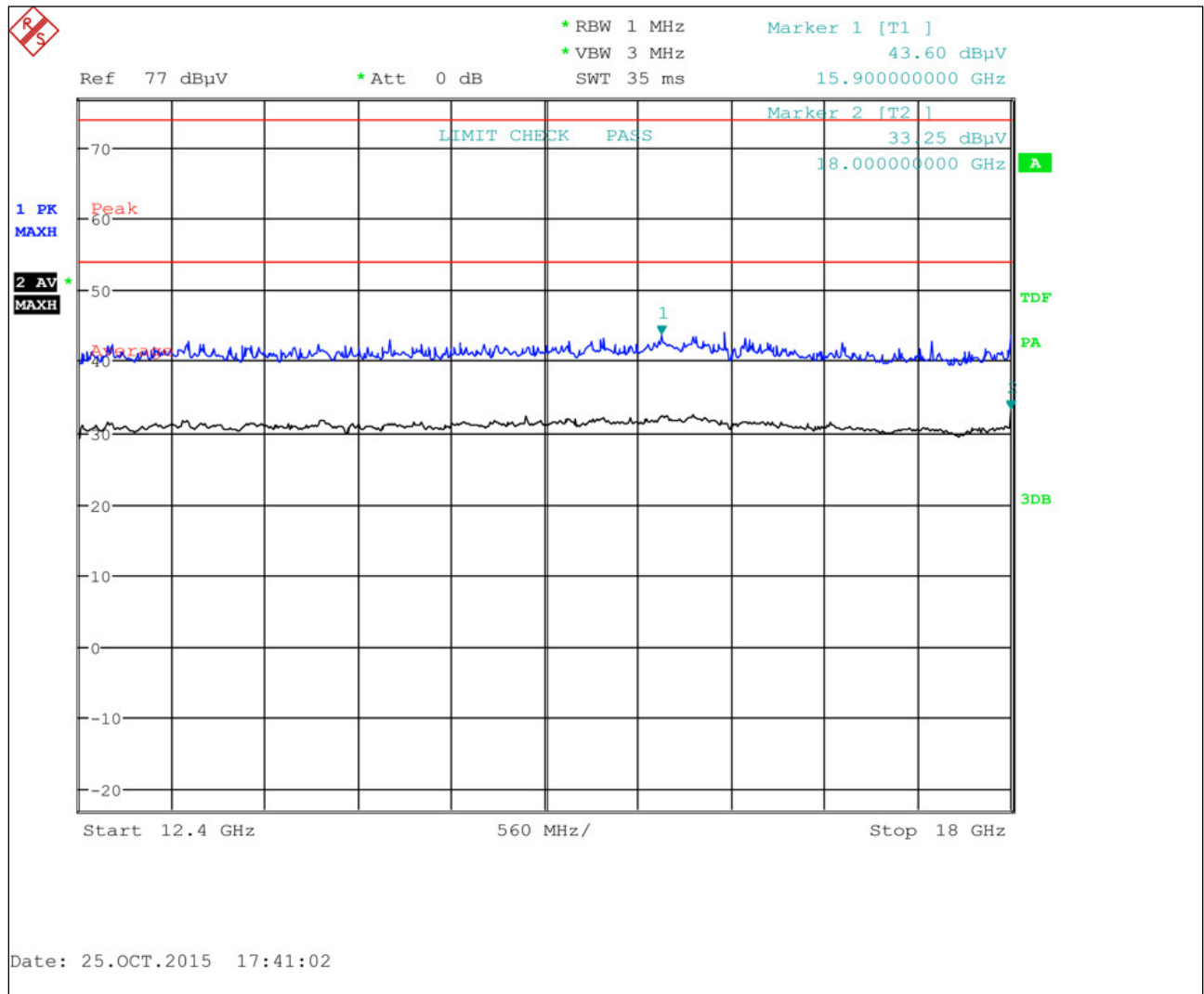
**Plot 6-351: Radiated Emissions 8 GHz – 12 GHz Vertical Peak/Average**



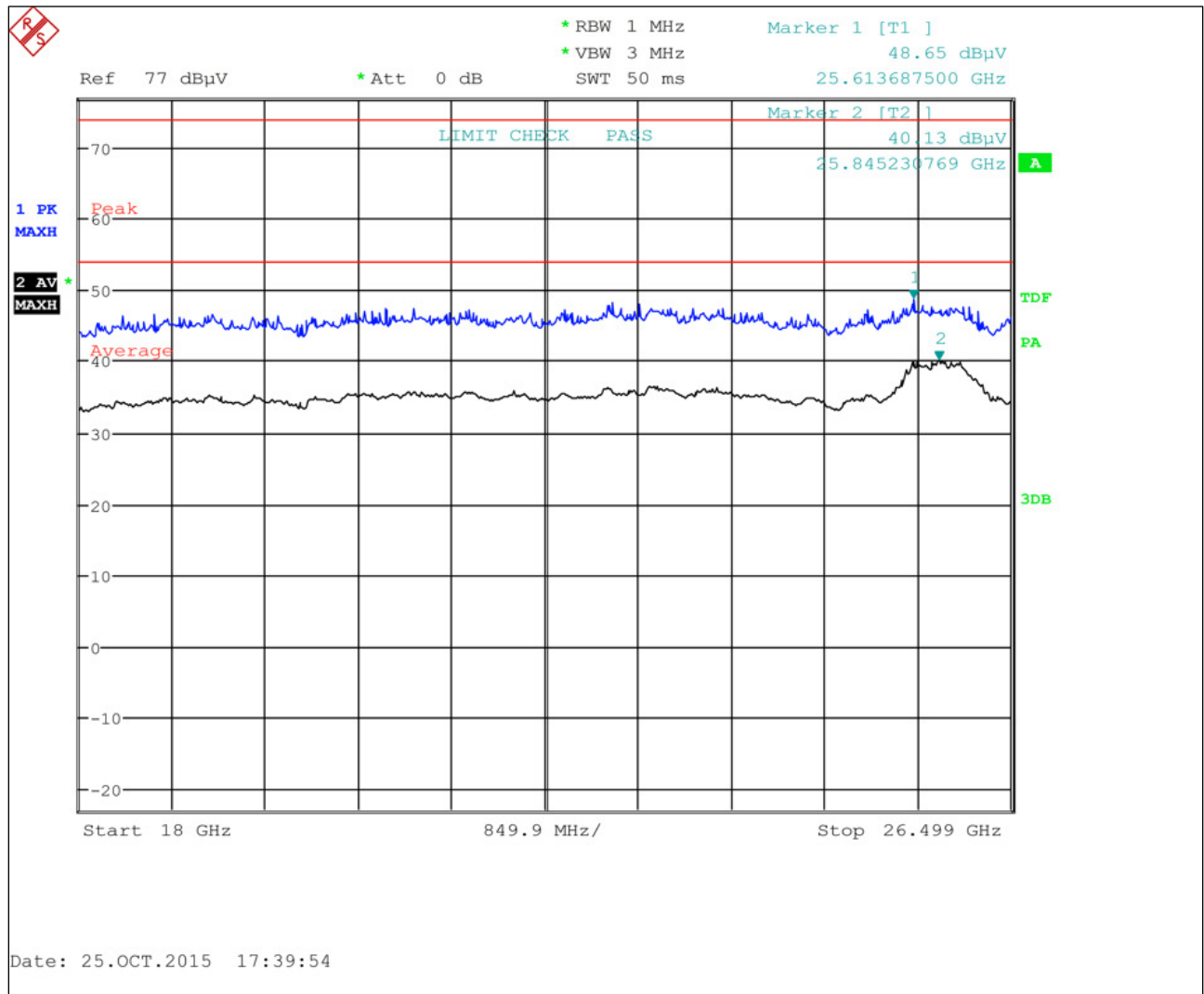
**Plot 6-352: Radiated Emissions 12 GHz – 18 GHz Horizontal Peak/Average**



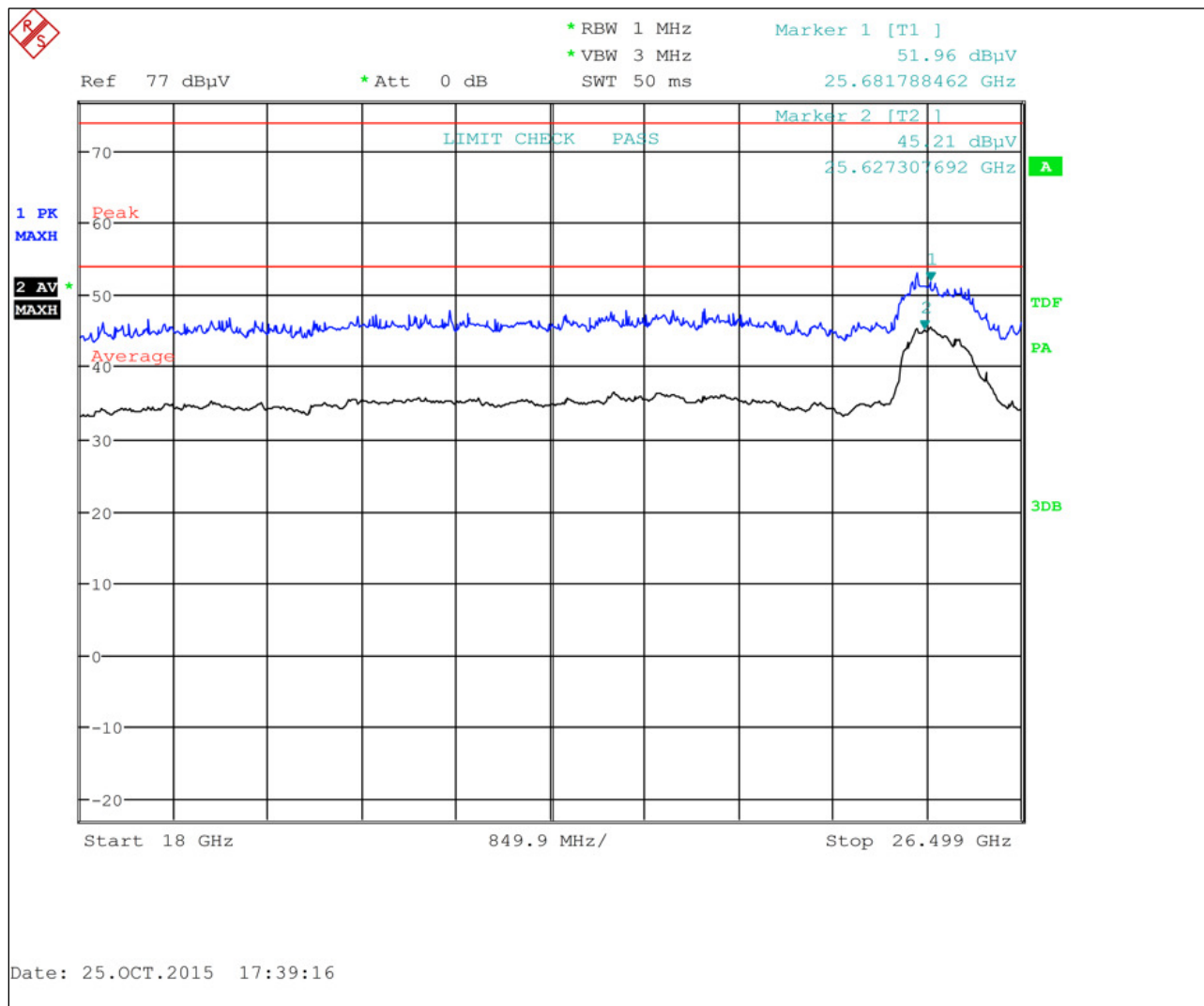
**Plot 6-353: Radiated Emissions 12 GHz – 18 GHz Vertical Peak/Average**



**Plot 6-354: Radiated Emissions 18 GHz – 26 GHz Horizontal Peak/Average**



**Plot 6-355: Radiated Emissions 18 GHz – 26 GHz Vertical Peak/Average**



### 6.3.2.25 Radiated Emissions Carrier Test Data - TC#9 Concrete Container

Plot 6-356: Radiated Emissions of Carrier - TC #9 Concrete Container

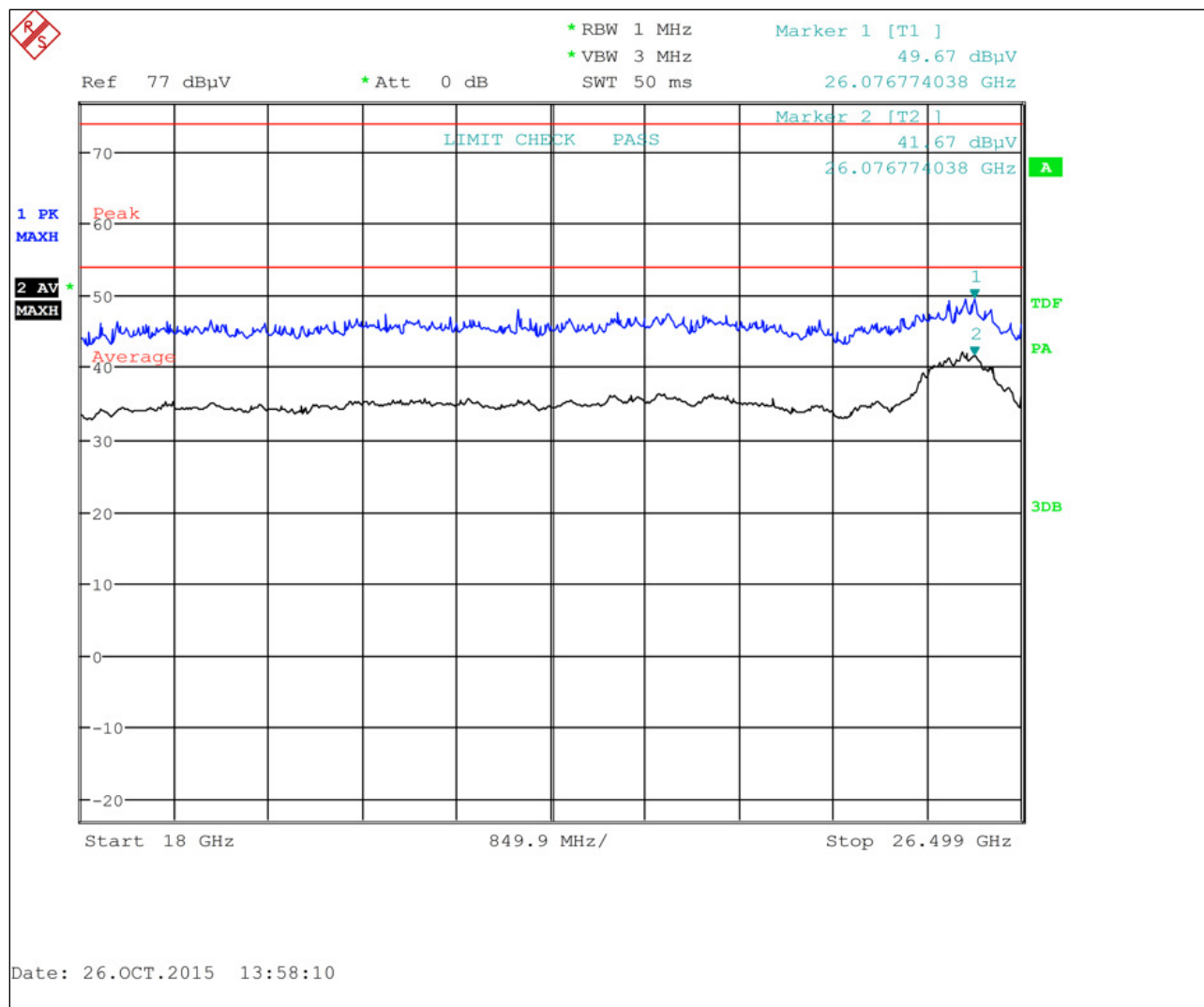
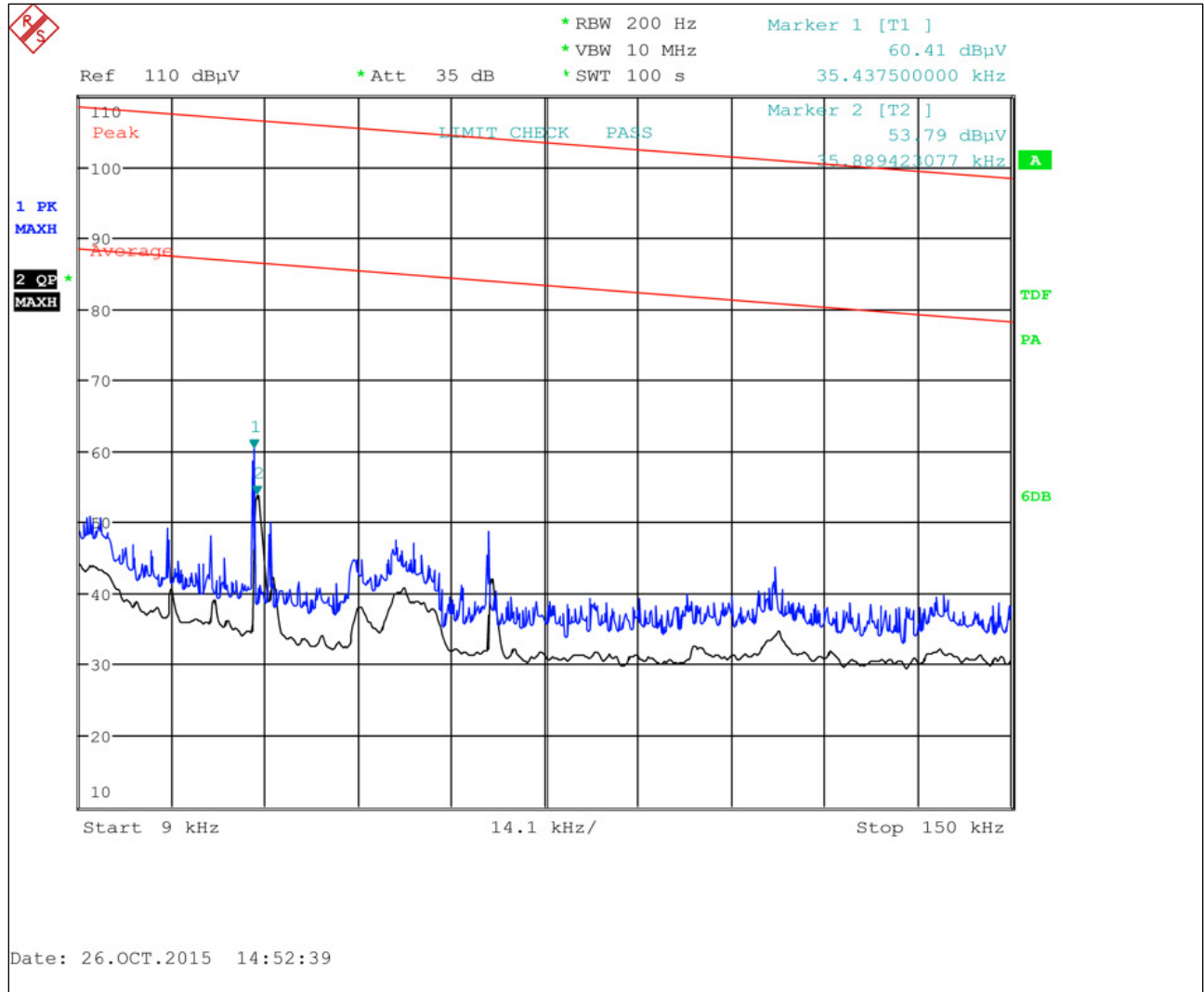


Table 6-18: Radiated Emissions of Carrier – TC #9 Concrete Container

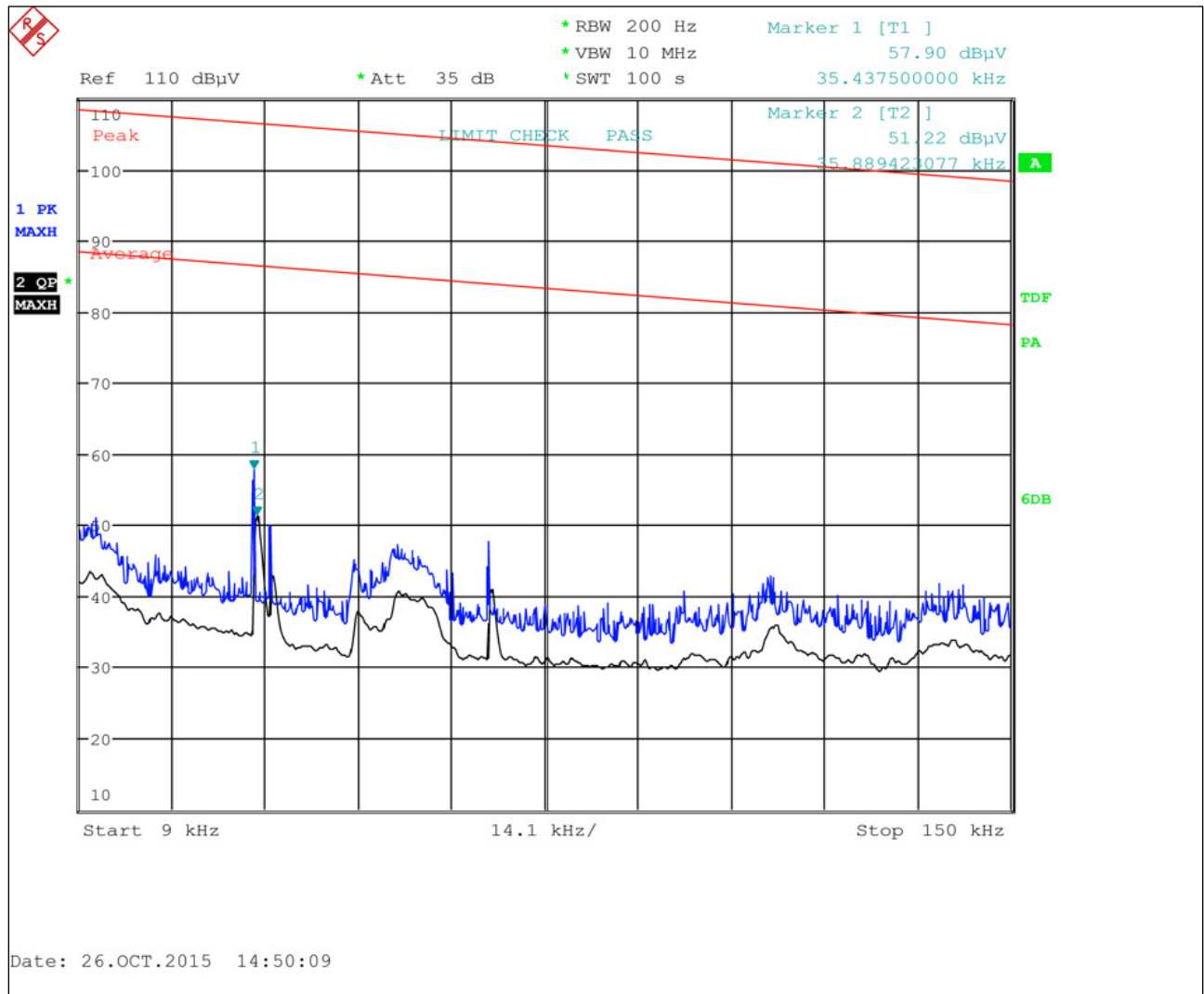
| Frequency (GHz) | Detector | Test Antenna Pol | Corrected Spectrum Analyzer Level (dBμV/m) | FCC Limit (dBμV) | Margin (dB) | Corrected Spectrum Analyzer Level (dBm/MHz) | IC Limit (dBm/MHz) | Margin (dBm) |
|-----------------|----------|------------------|--------------------------------------------|------------------|-------------|---------------------------------------------|--------------------|--------------|
| 26.0767         | Peak     | V                | 49.7                                       | 74.0             | -24.3       | NA                                          |                    |              |
| 26.0767         | Average  | V                | 41.7                                       | 54.0             | -12.1       | -53.5                                       | -41.3              | 12.1         |

### 6.3.2.26 Radiated Emissions Below 1 GHz Test Data – TC#9 Concrete Container

**Plot 6-357: Radiated Emissions Transmit – 9 kHz – 150 kHz Horizontal Peak/Average**

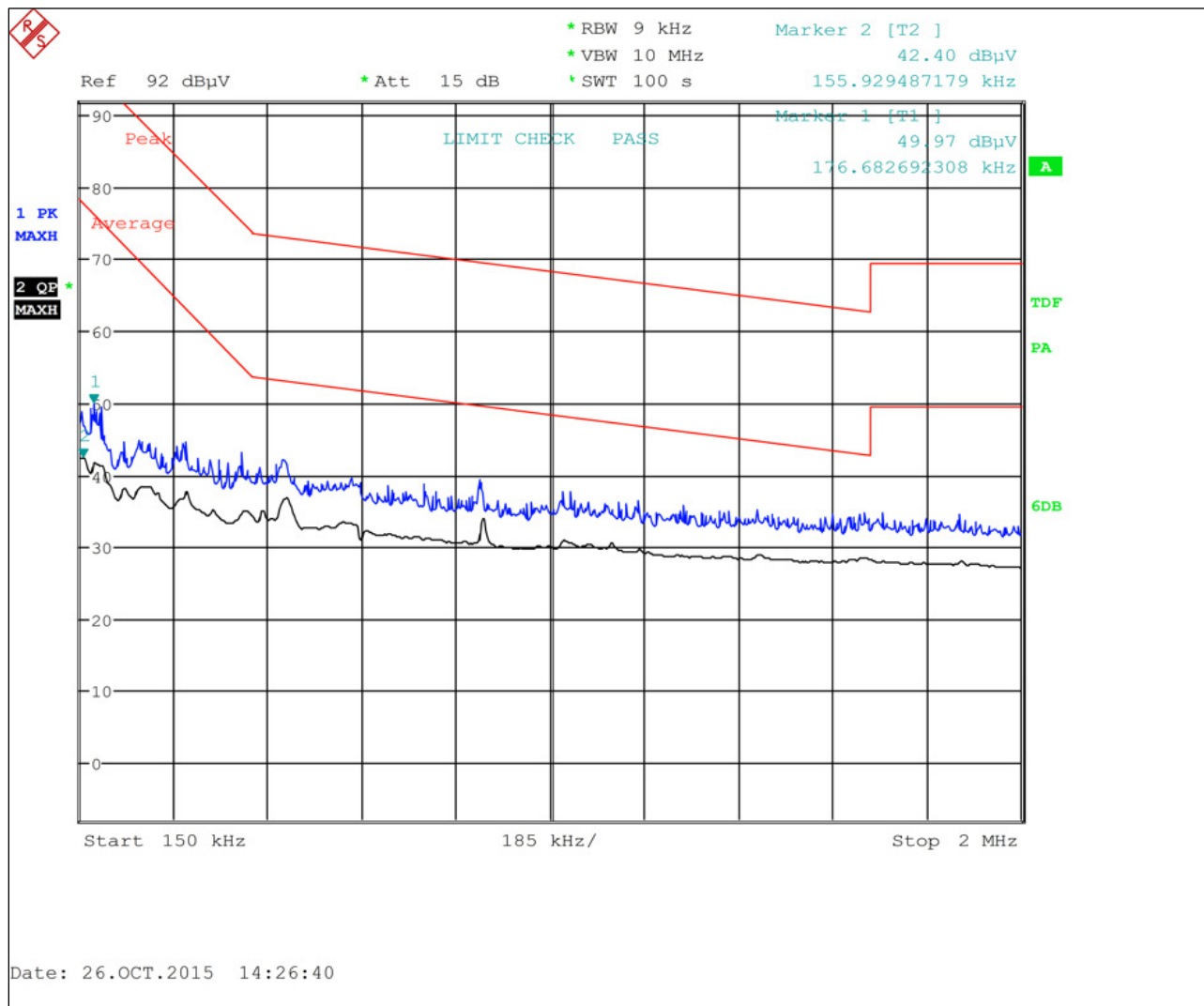


**Plot 6-358: Radiated Emissions Transmit – 9 kHz – 150 kHz Vertical Peak/Average**

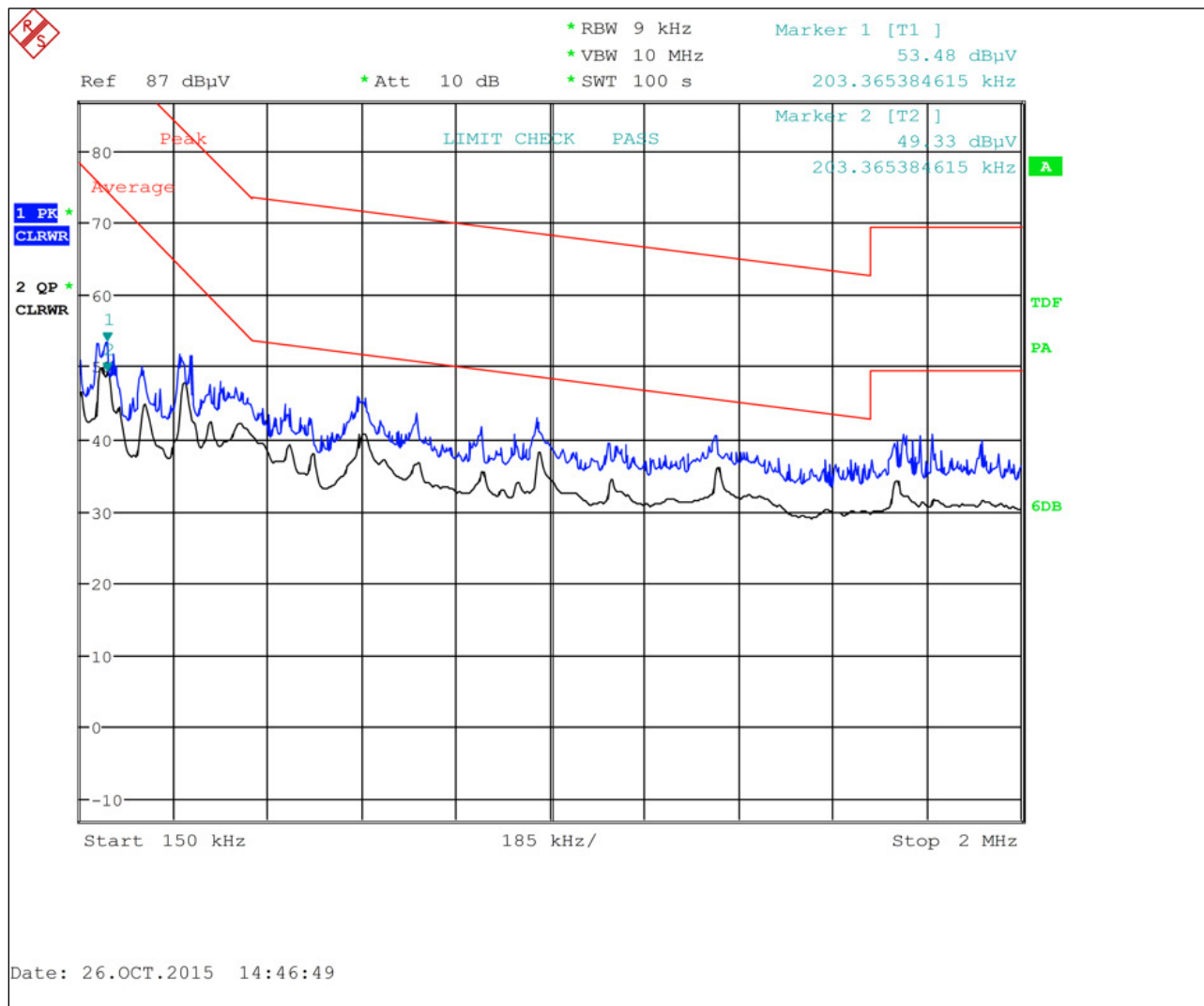




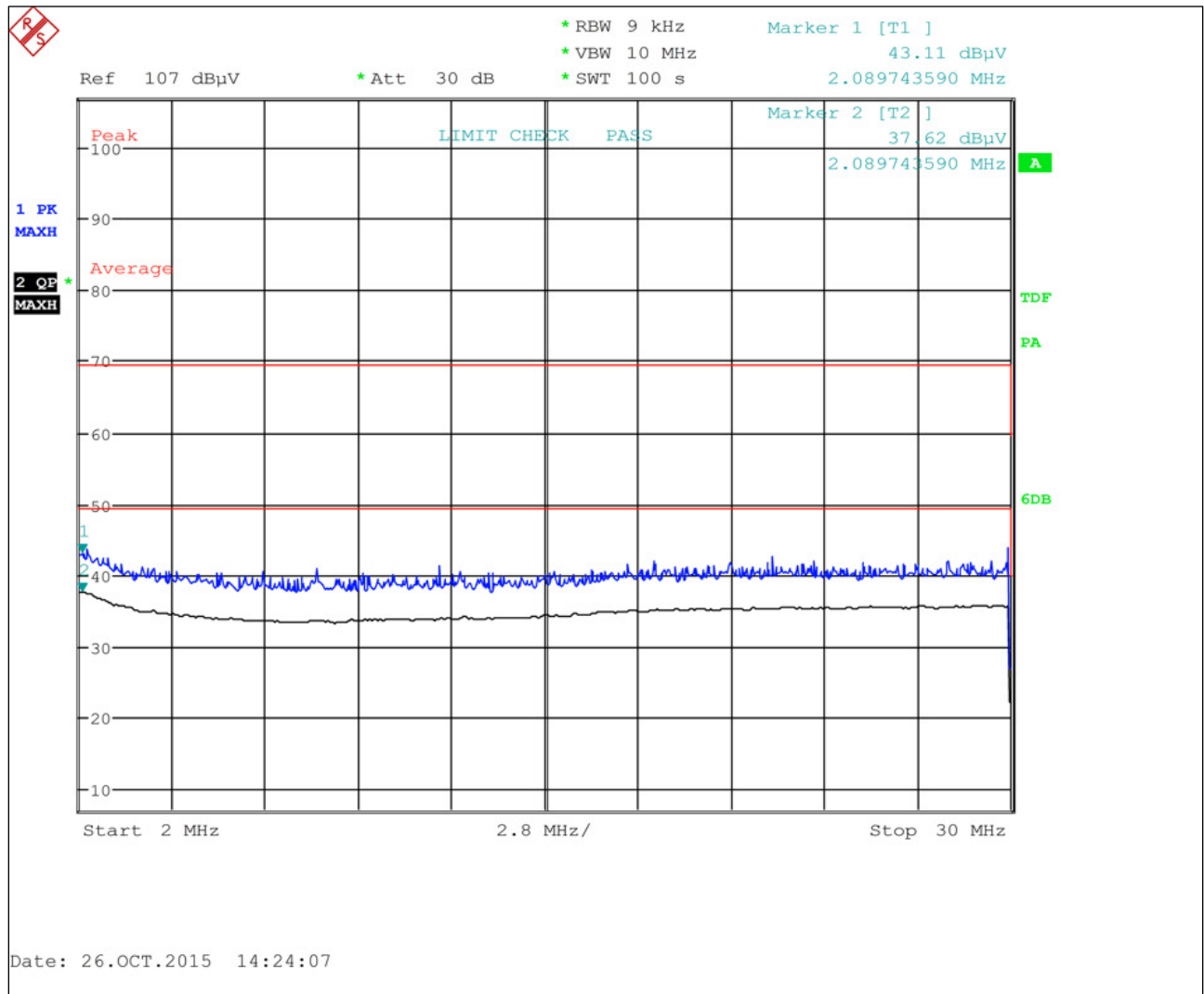
**Plot 6-359: Radiated Emissions Transmit – 150 kHz – 2 MHz Horizontal Peak/Average**



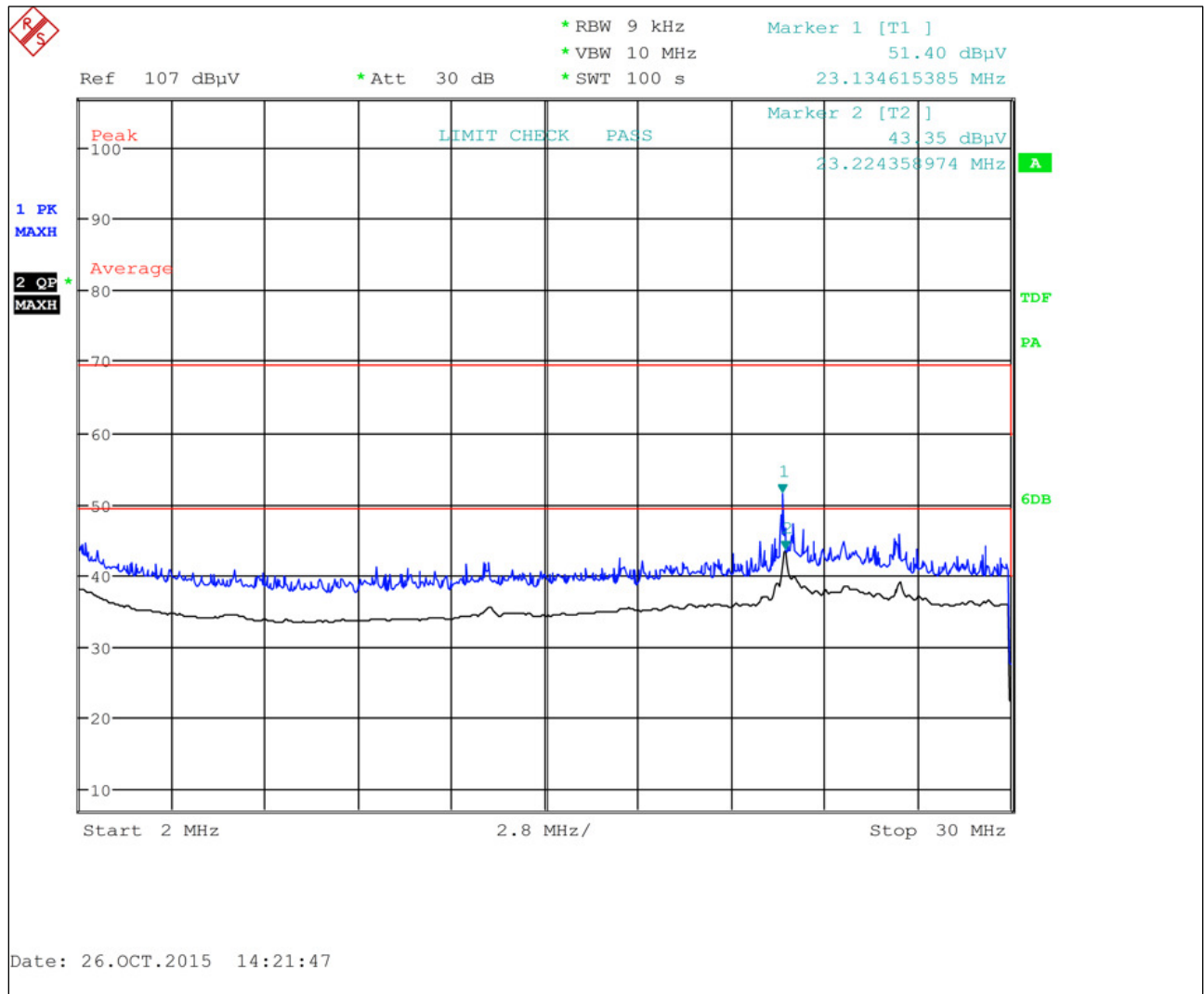
**Plot 6-360: Radiated Emissions Transmit – 150 kHz – 2 MHz Vertical Peak/Average**



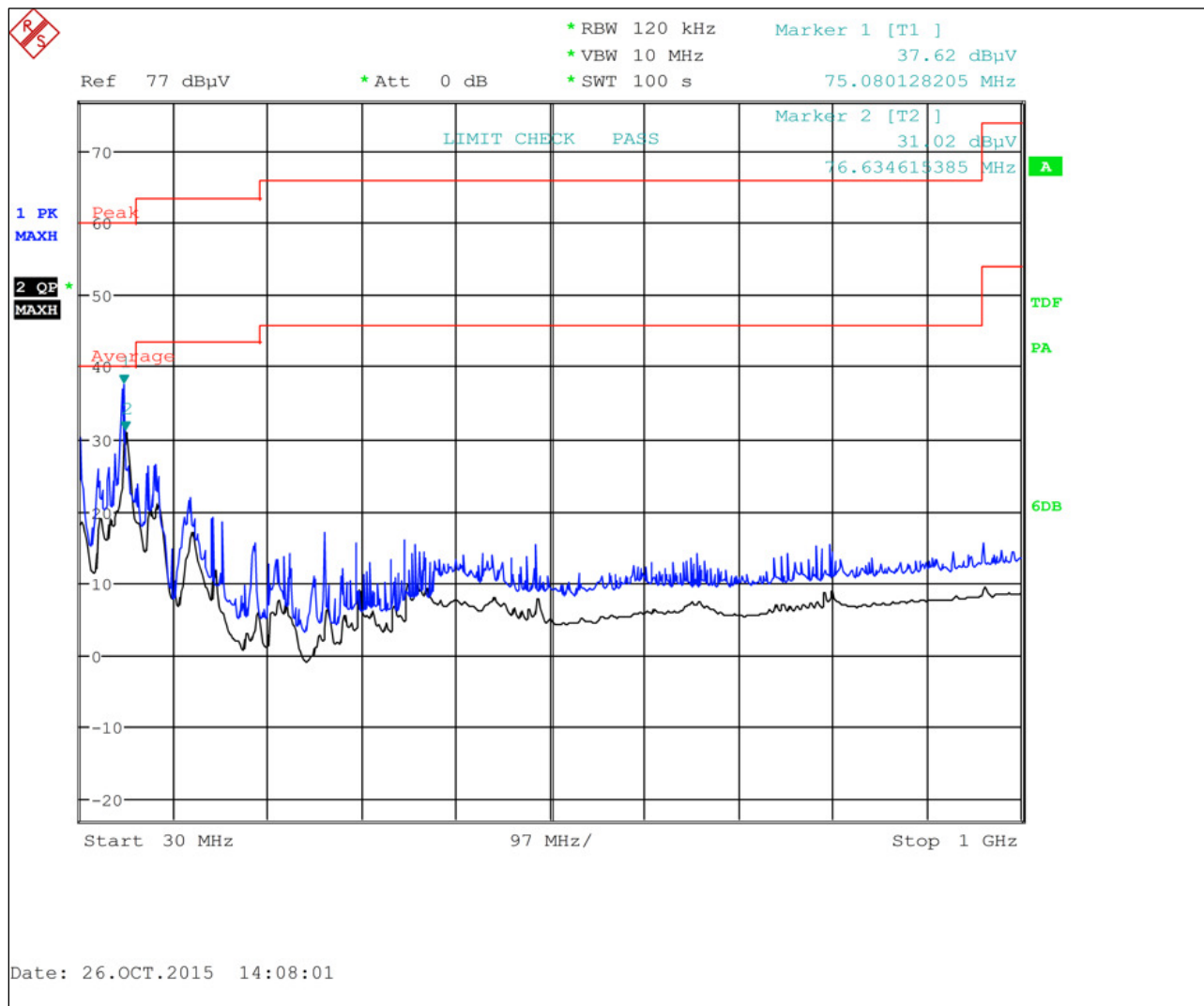
**Plot 6-361: Radiated Emissions Transmit – 2 MHz – 30 MHz Horizontal Peak/Average**



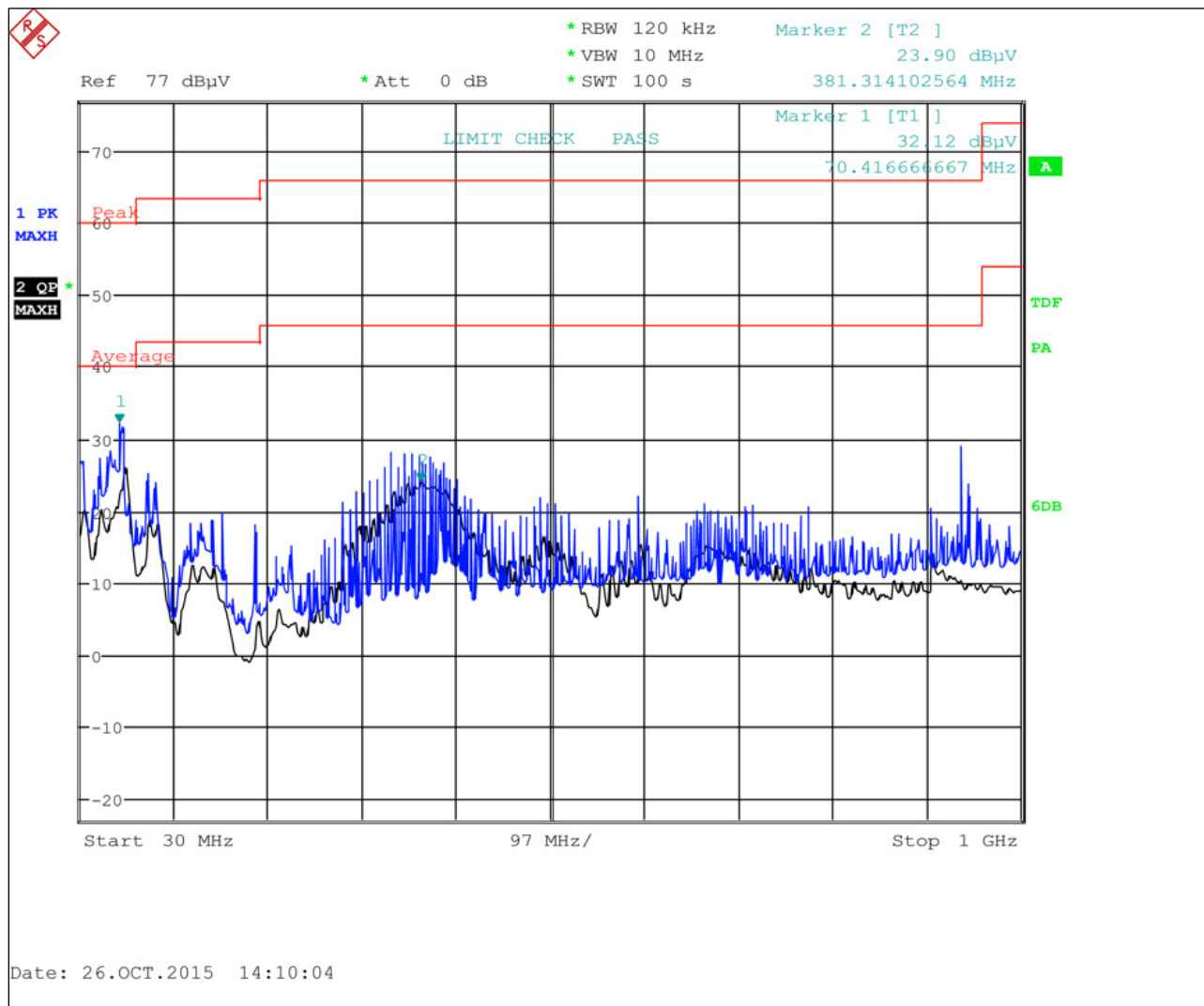
**Plot 6-362: Radiated Emissions Transmit – 2 MHz – 30 MHz Vertical Peak/Average**



**Plot 6-363: Radiated Emissions Transmit – 30 MHz – 1 GHz Horizontal Peak/Average**



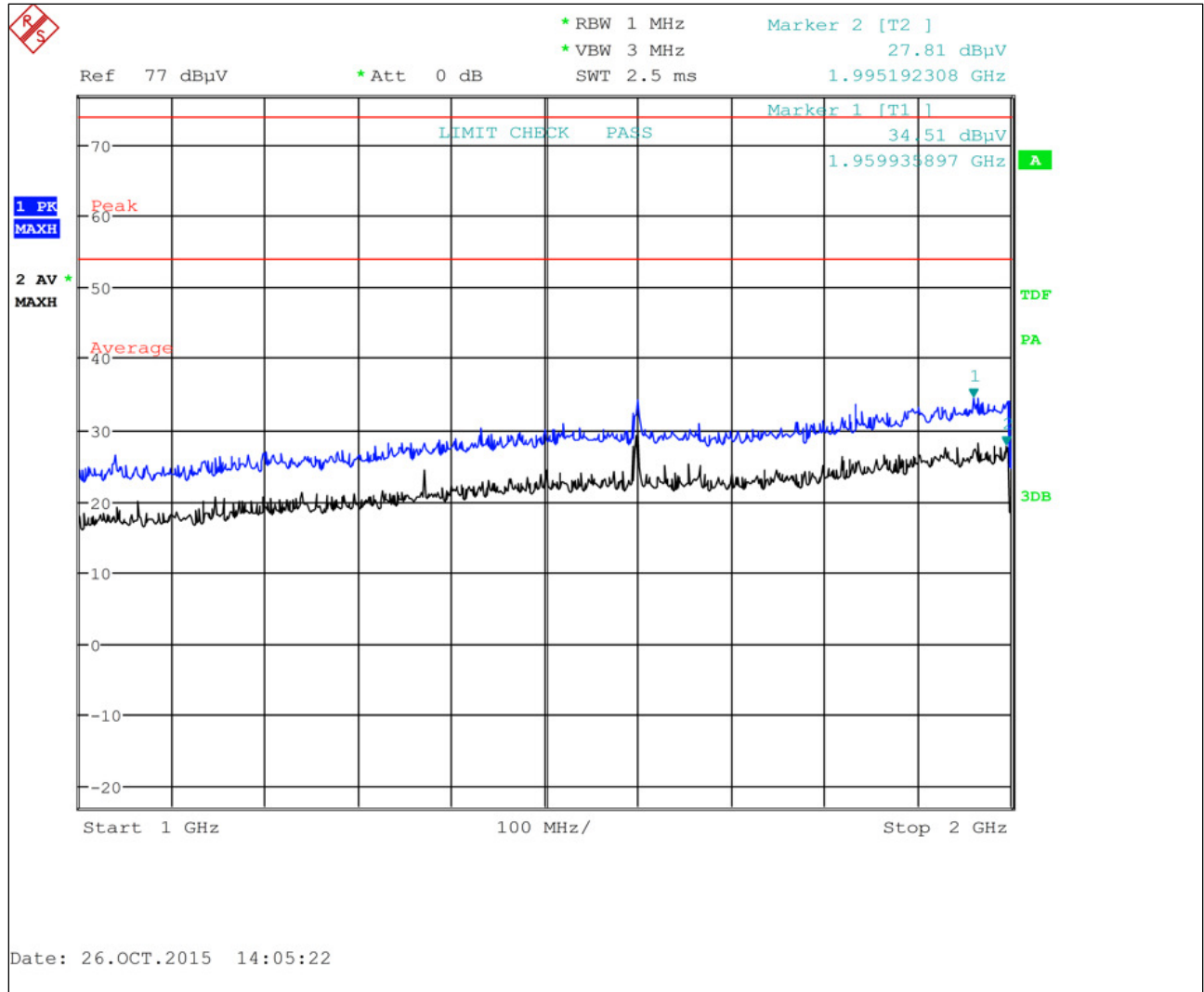
**Plot 6-364: Radiated Emissions Transmit – 30 MHz – 1 GHz Vertical Peak/Average**



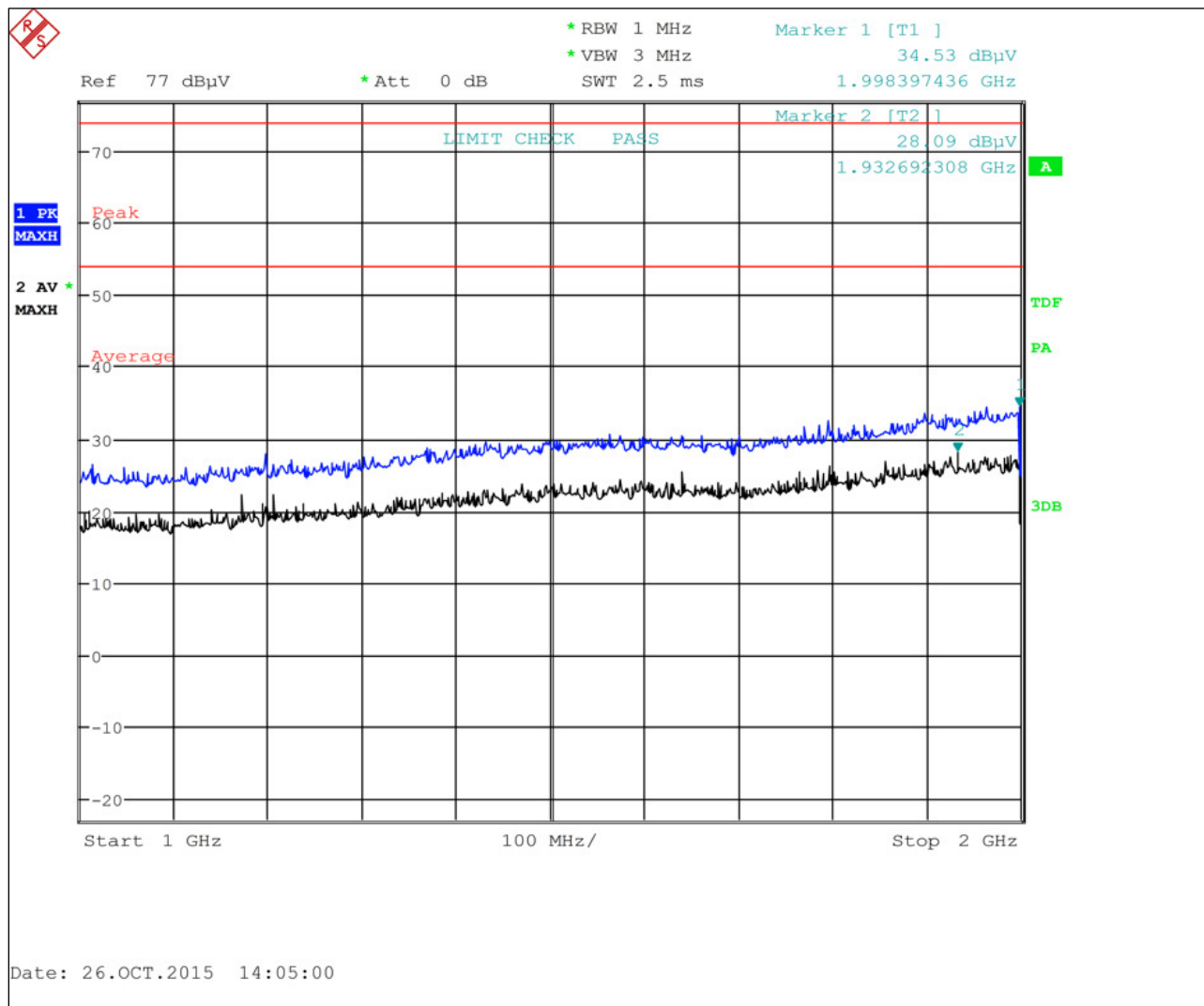
Note: Unwanted emissions were investigated as a digital device (other than harmonics) as required by 15.33(a)(3).

### 6.3.2.27 Radiated Emissions 1 GHz – 26 GHz Test Data – TC#9 Concrete Container

**Plot 6-365: Radiated Emissions 1 GHz – 2 GHz Horizontal Peak/Average**

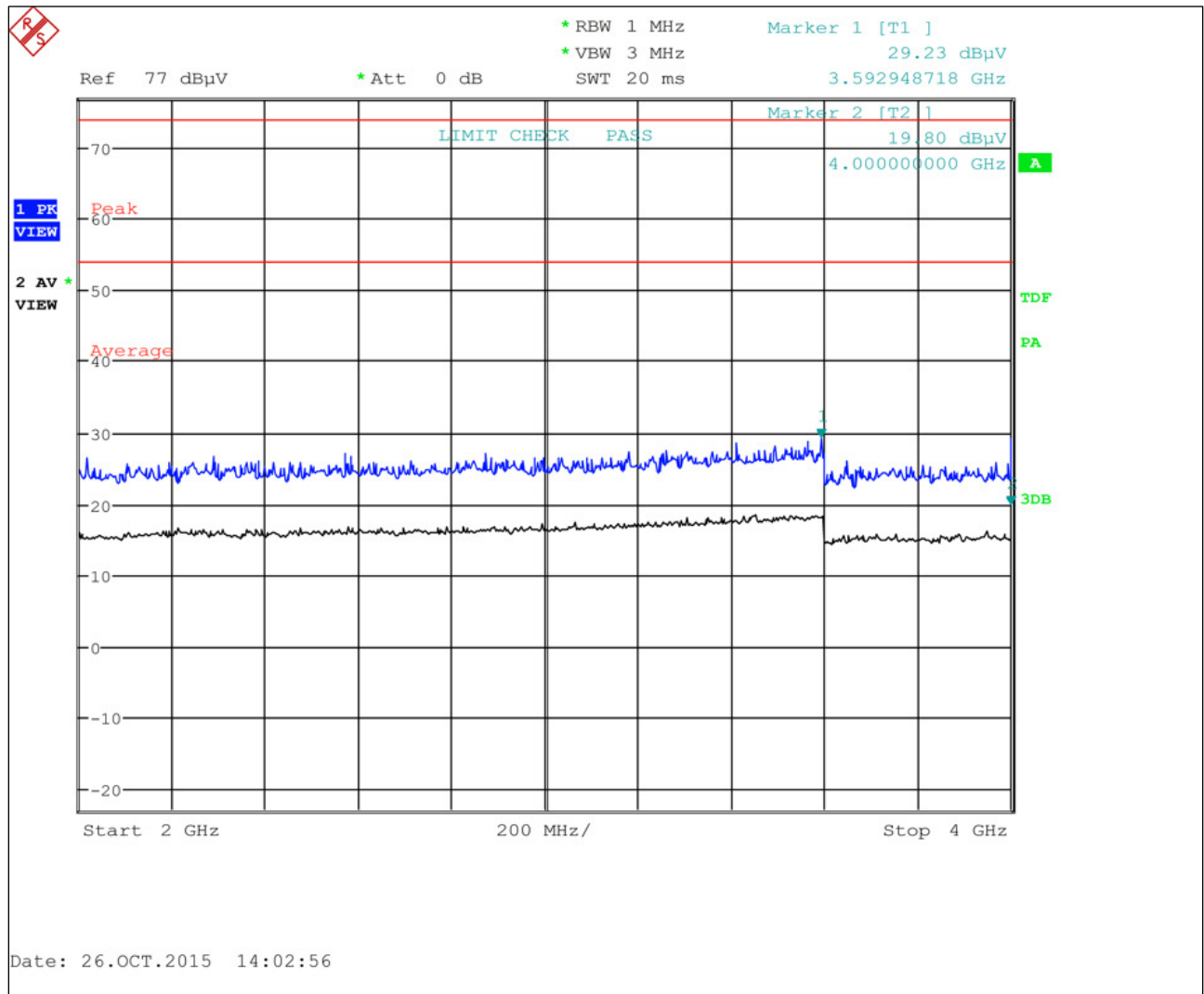


**Plot 6-366: Radiated Emissions 1 GHz – 2 GHz Vertical Peak/Average**

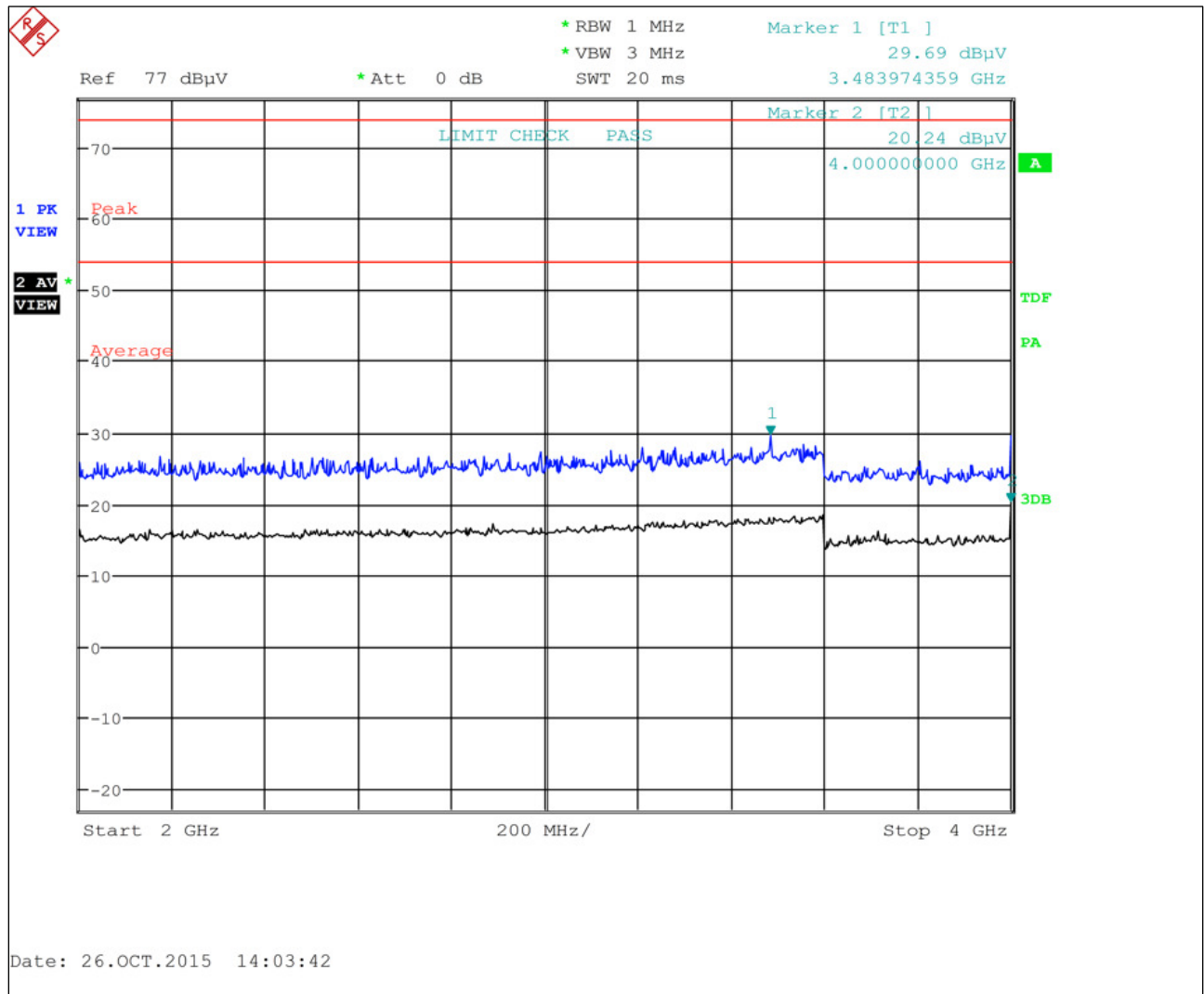




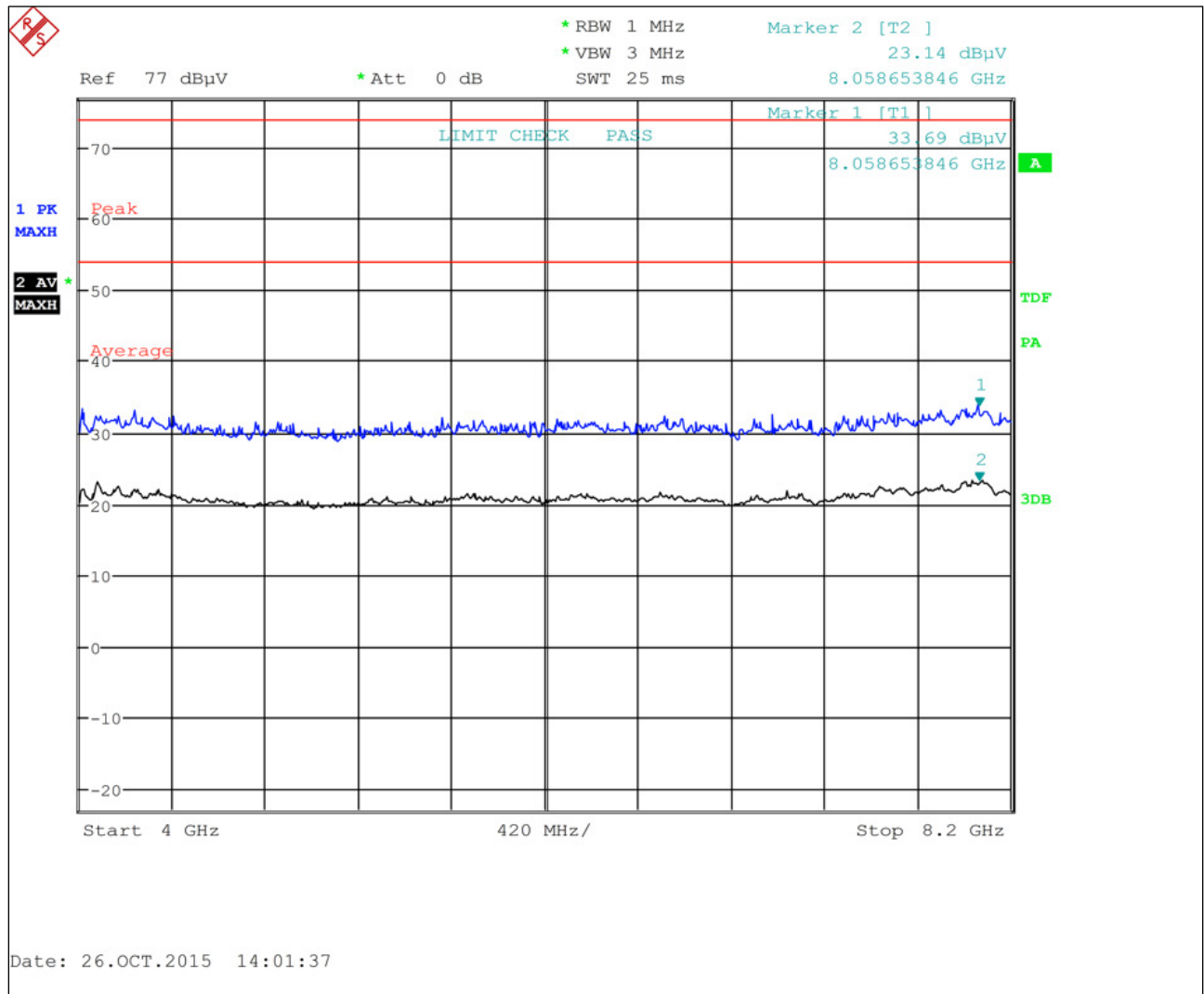
**Plot 6-367: Radiated Emissions 2 GHz – 4 GHz Horizontal Peak/Average**



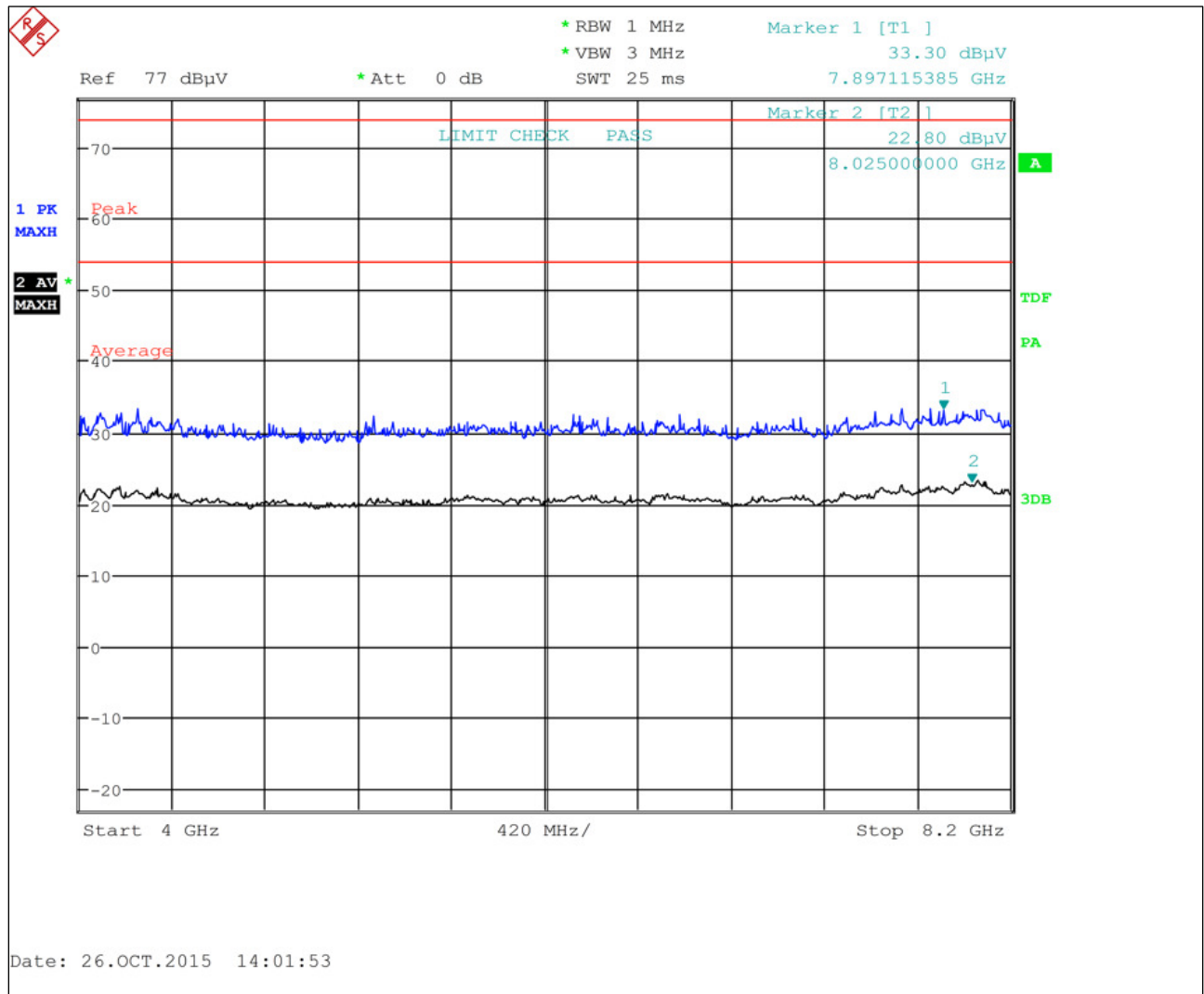
**Plot 6-368: Radiated Emissions 2 GHz – 4 GHz Vertical Peak/Average**



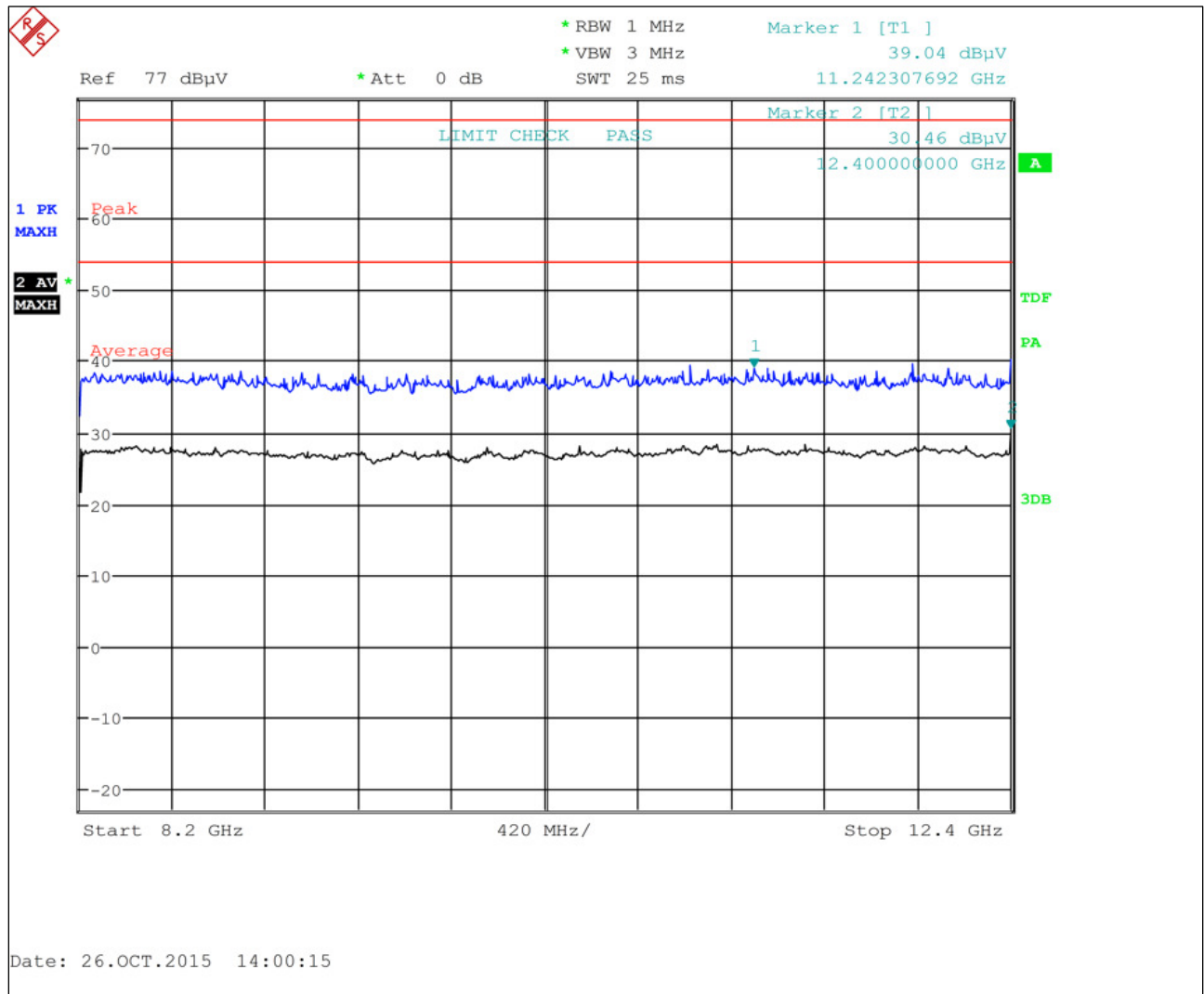
**Plot 6-369: Radiated Emissions 4 GHz – 8 GHz Horizontal Peak/Average**



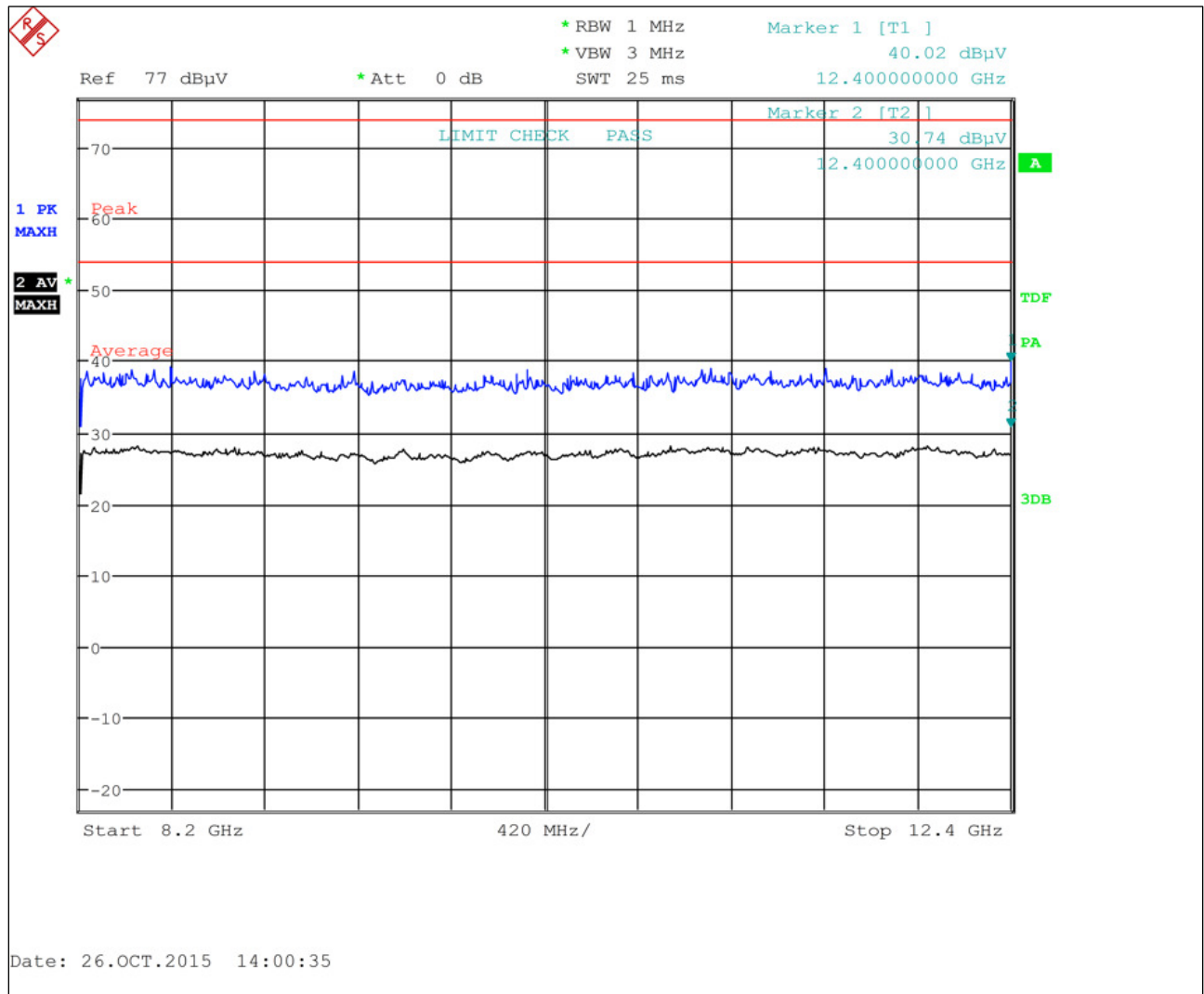
**Plot 6-370: Radiated Emissions 4 GHz – 8 GHz Vertical Peak/Average**



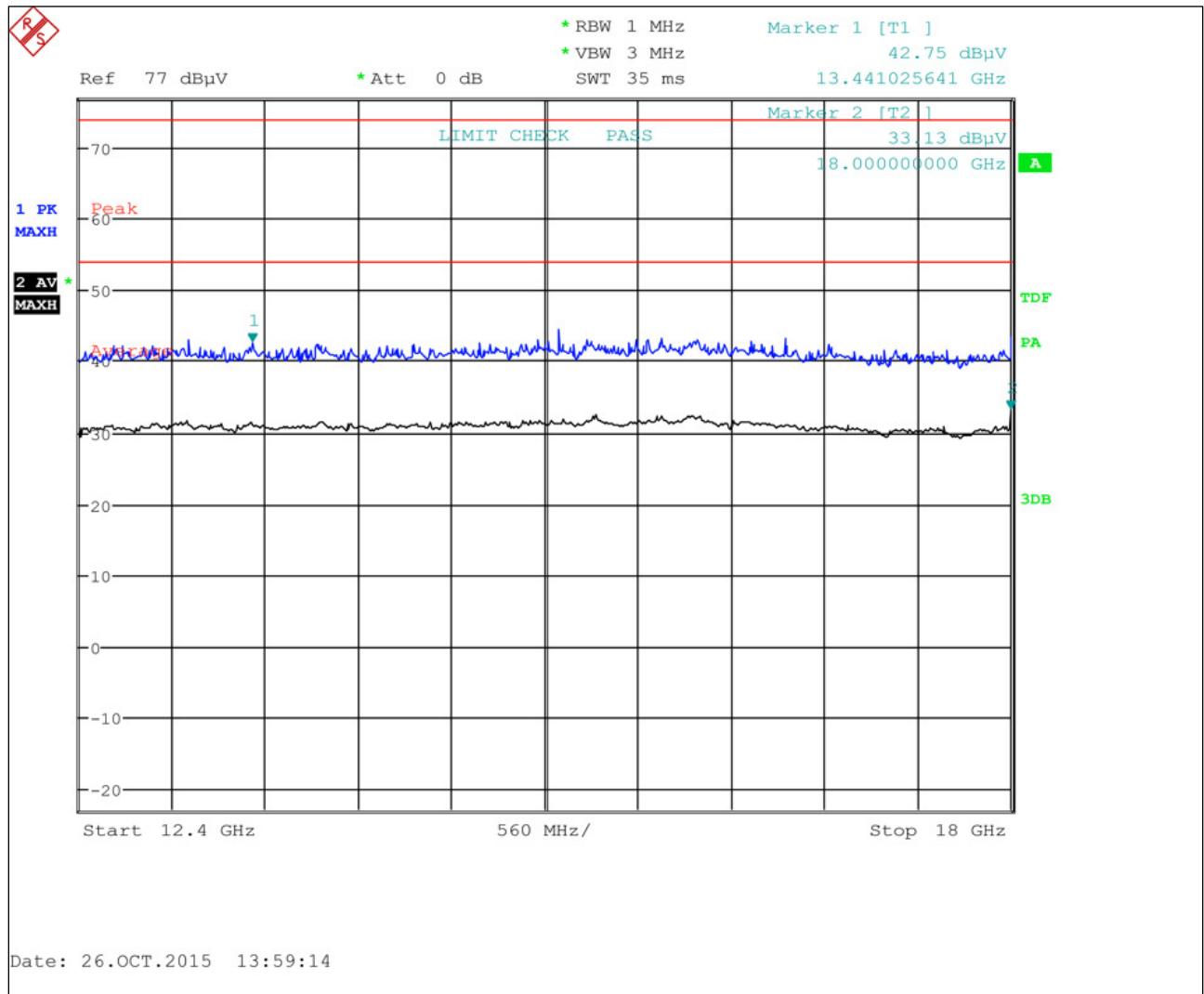
**Plot 6-371: Radiated Emissions 8 GHz – 12 GHz Horizontal Peak/Average**



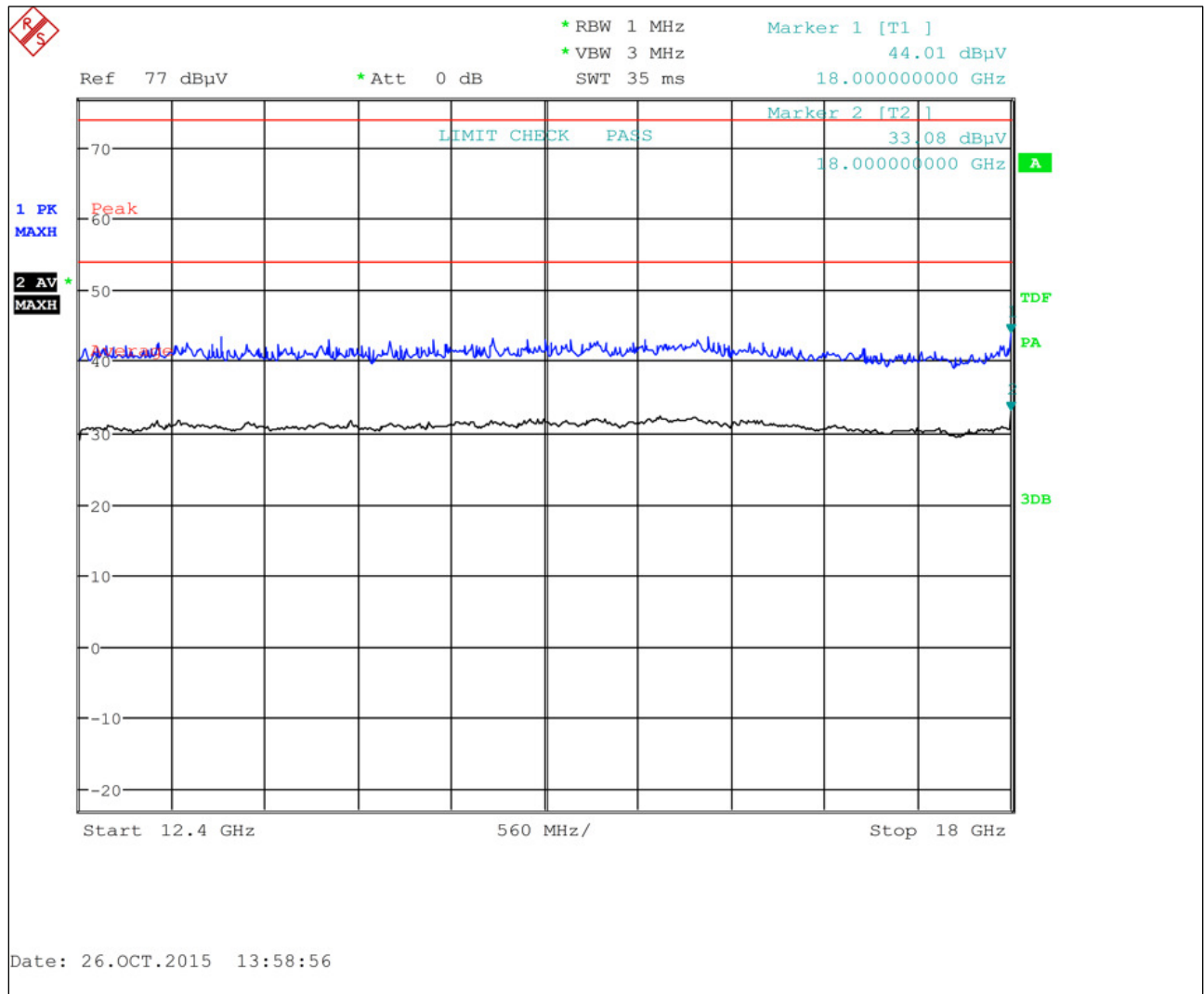
**Plot 6-372: Radiated Emissions 8 GHz – 12 GHz Vertical Peak/Average**



**Plot 6-373: Radiated Emissions 12 GHz – 18 GHz Horizontal Peak/Average**

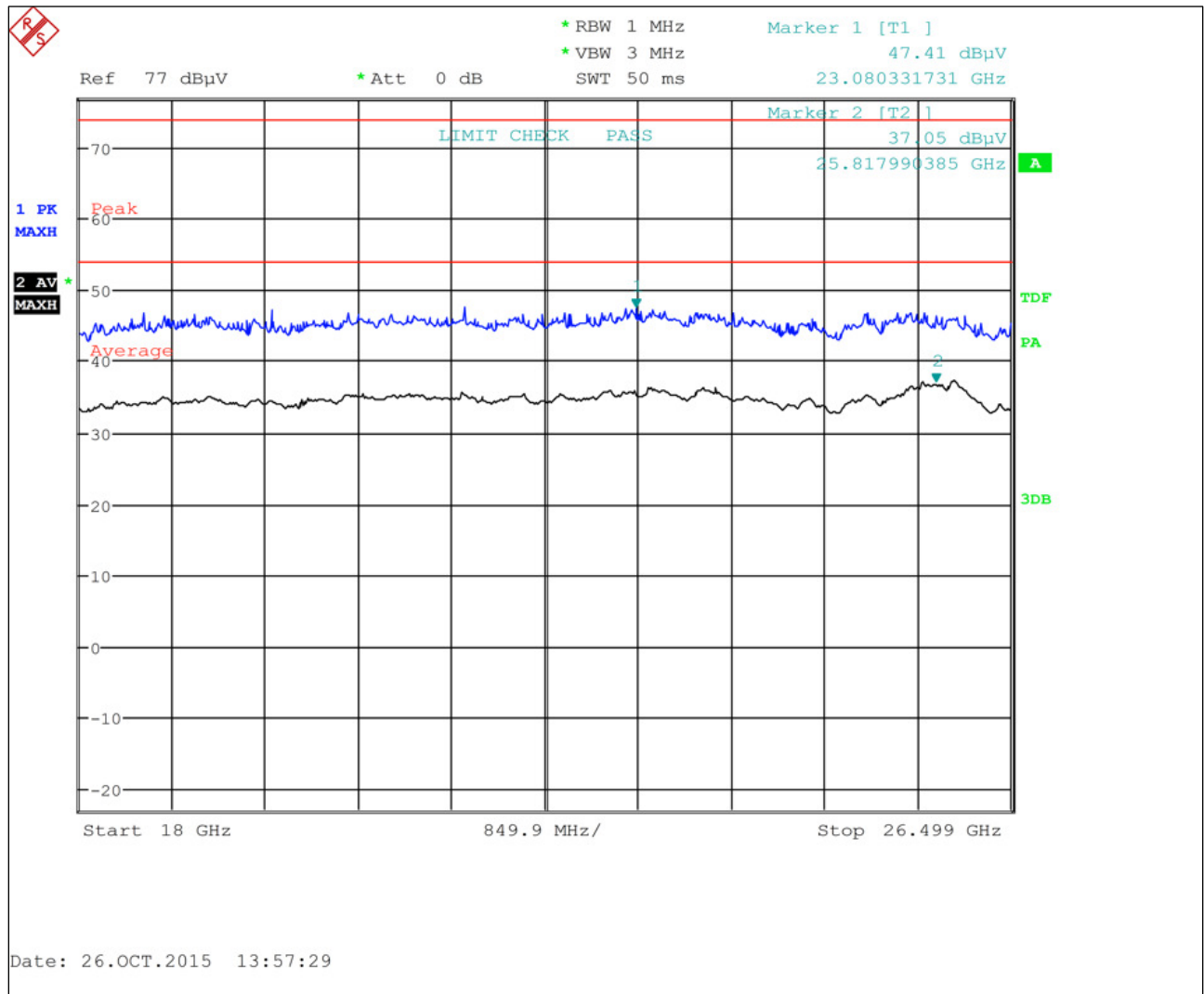


**Plot 6-374: Radiated Emissions 12 GHz – 18 GHz Vertical Peak/Average**

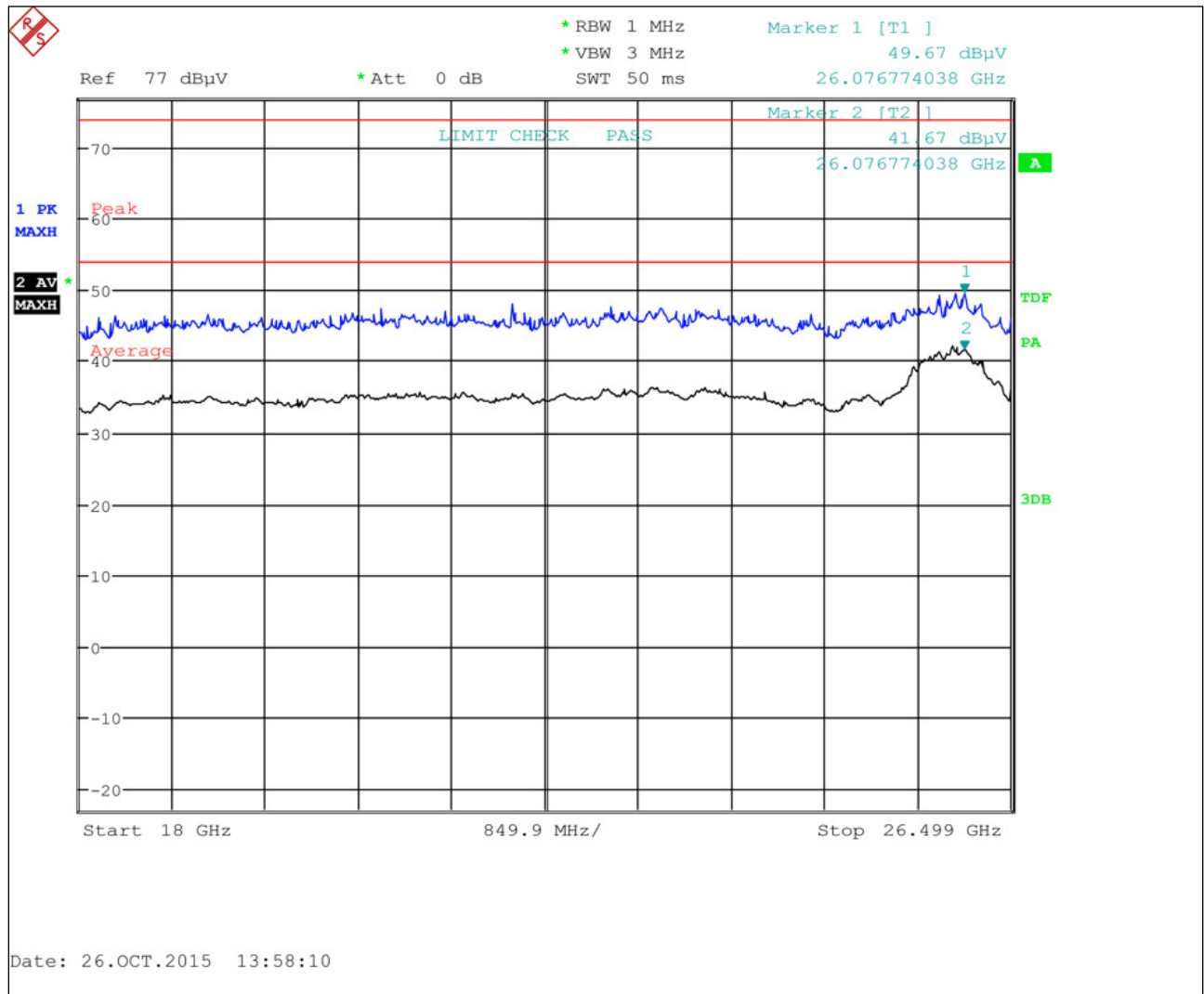




**Plot 6-375: Radiated Emissions 18 GHz – 26 GHz Horizontal Peak/Average**



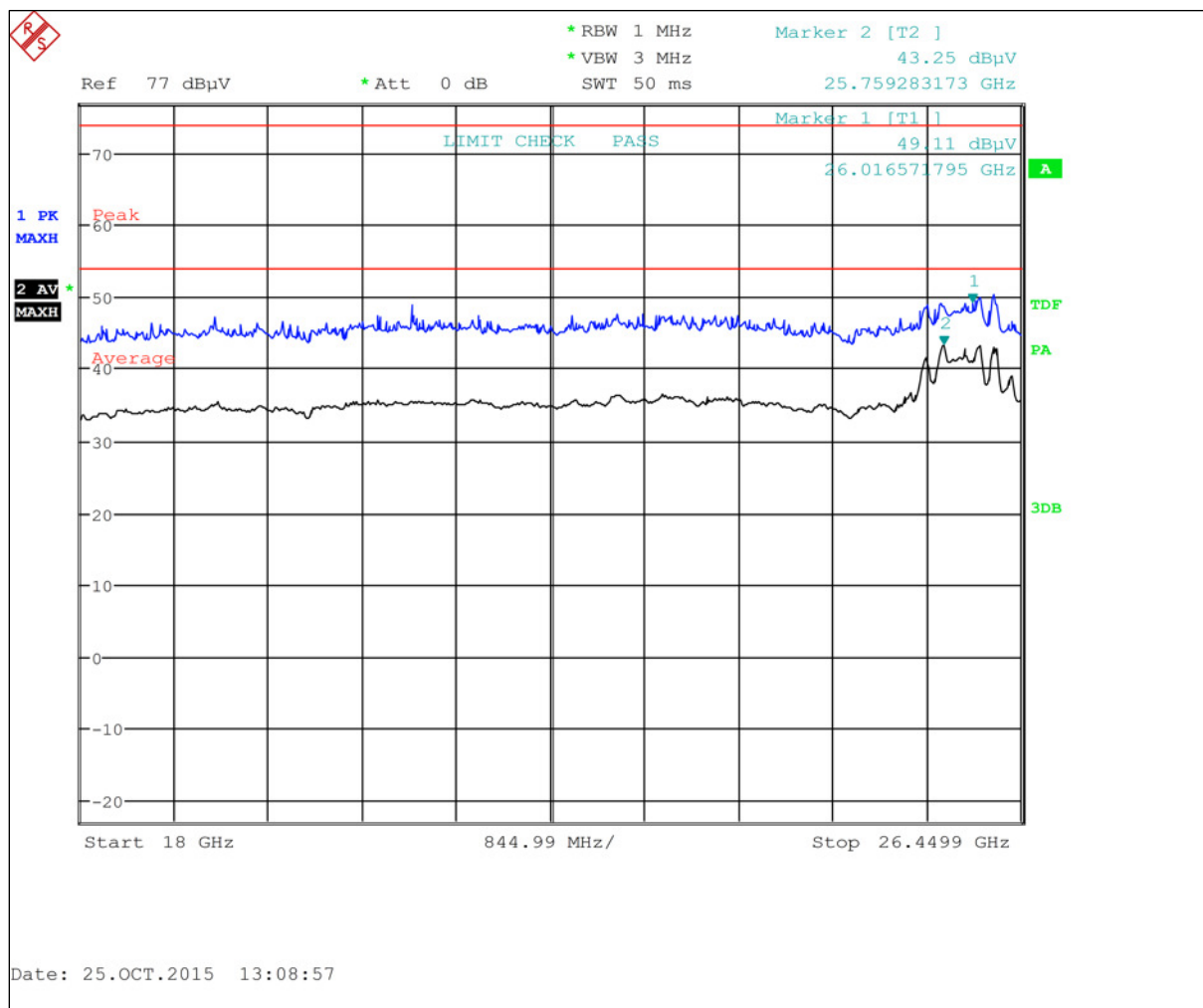
**Plot 6-376: Radiated Emissions 18 GHz – 26 GHz Vertical Peak/Average**



### 6.3.3 Radiated Emissions Carrier Test Data Fiberglass Container

#### 6.3.3.1 Radiated Emissions Carrier Test Data - TC#1 Fiberglass Container

**Plot 6-377: Radiated Emissions of Carrier - TC #1 Fiberglass Container**

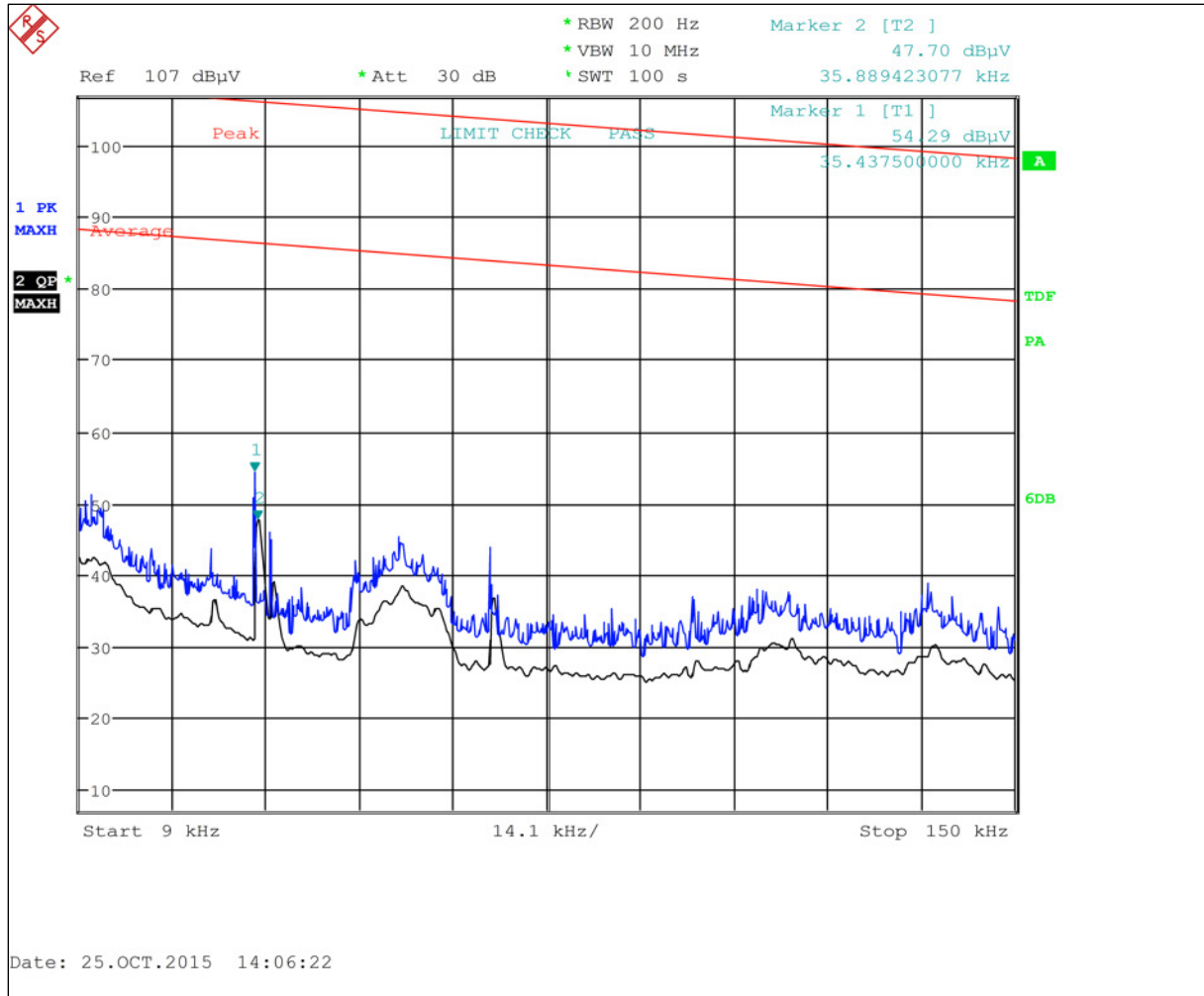


**Table 6-19: Radiated Emissions of Carrier – TC #1 Fiberglass Container**

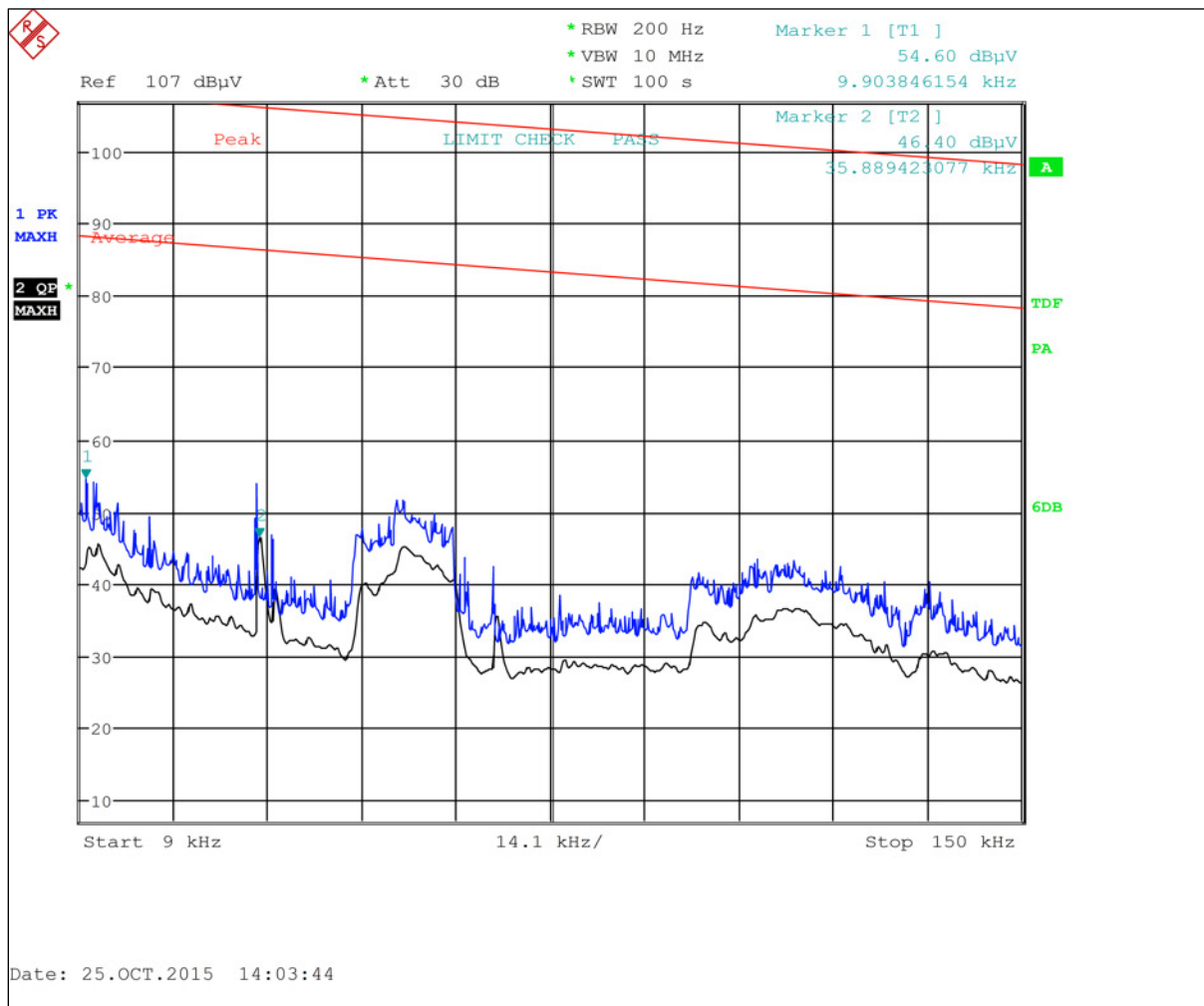
| Frequency (GHz) | Detector | Test Antenna Pol | Corrected Spectrum Analyzer Level (dBuV/m) | FCC Limit (dBuV) | Margin (dB) | Corrected Spectrum Analyzer Level (dBm/MHz) | IC Limit (dBm/MHz) | Margin (dBm) |
|-----------------|----------|------------------|--------------------------------------------|------------------|-------------|---------------------------------------------|--------------------|--------------|
| 26.0165         | Peak     | H                | 49.1                                       | 74.0             | -24.9       | NA                                          |                    |              |
| 25.7592         | Average  | H                | 43.3                                       | 54.0             | -10.7       | -51.9                                       | -41.3              | 10.6         |

### 6.3.3.2 Radiated Emissions Below 1 GHz Test Data – TC#1 Fiberglass Container

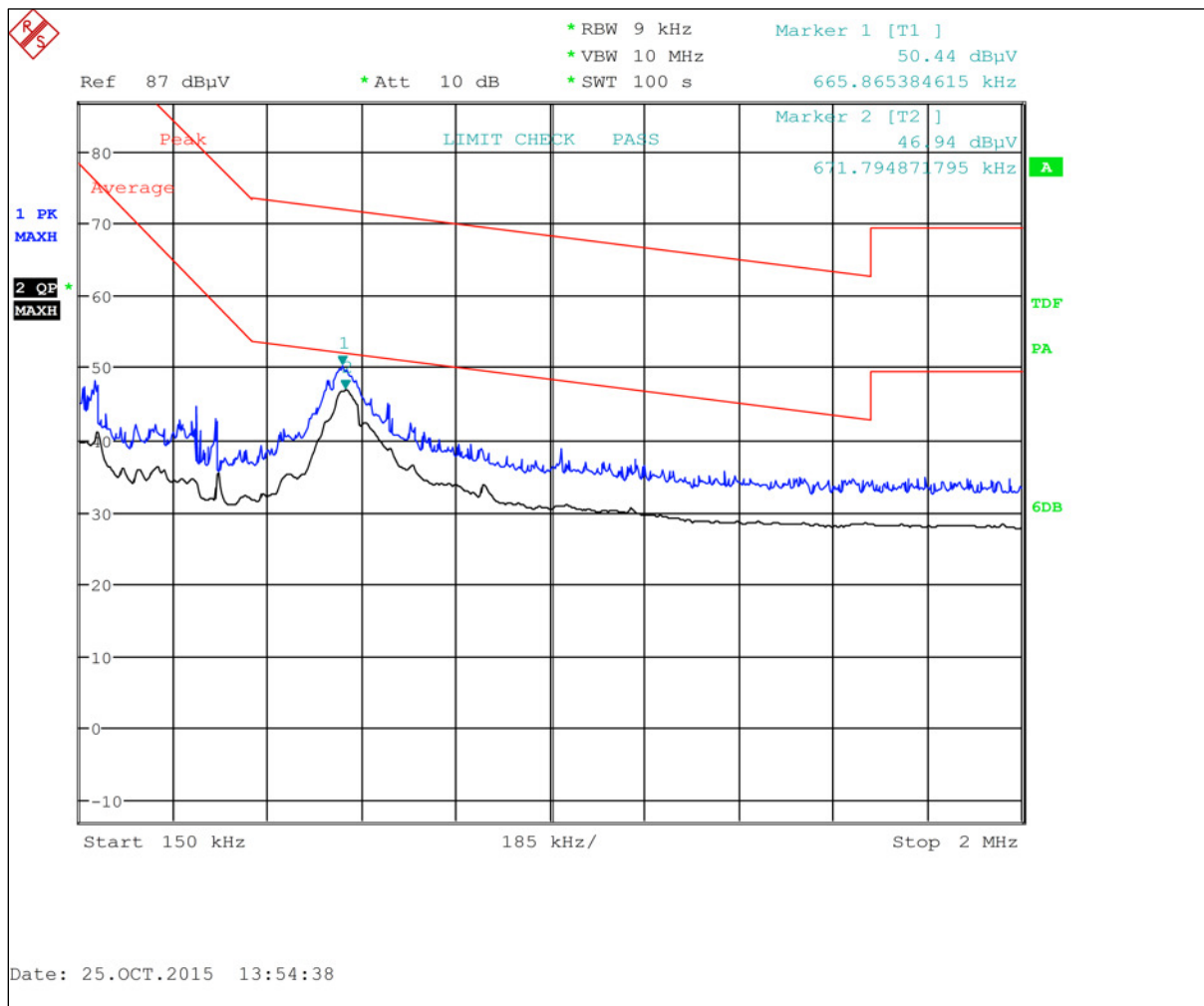
**Plot 6-378: Radiated Emissions Transmit – 9 kHz – 150 kHz Horizontal Peak/Average**



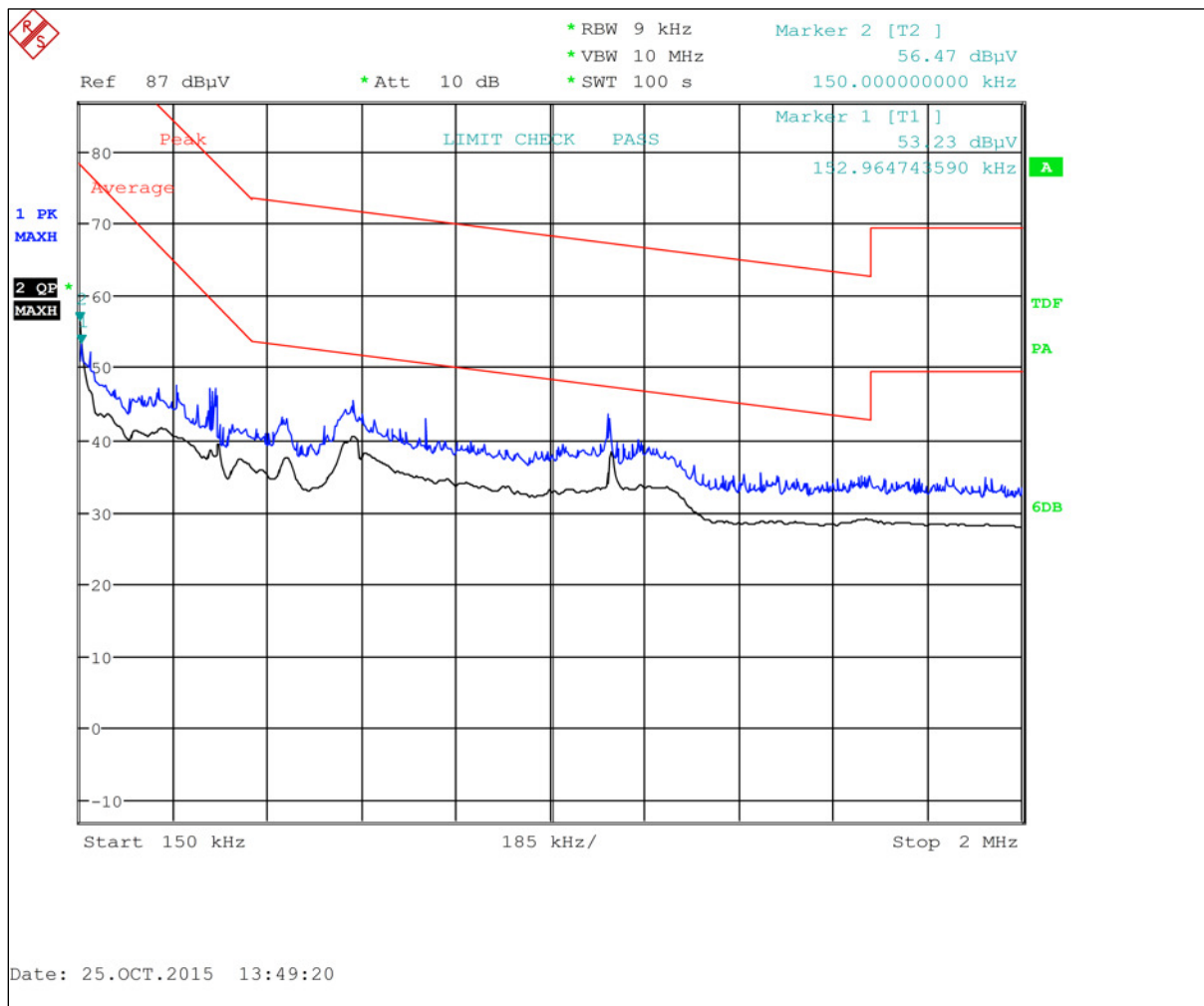
**Plot 6-379: Radiated Emissions Transmit – 9 kHz – 150 kHz Vertical Peak/Average**



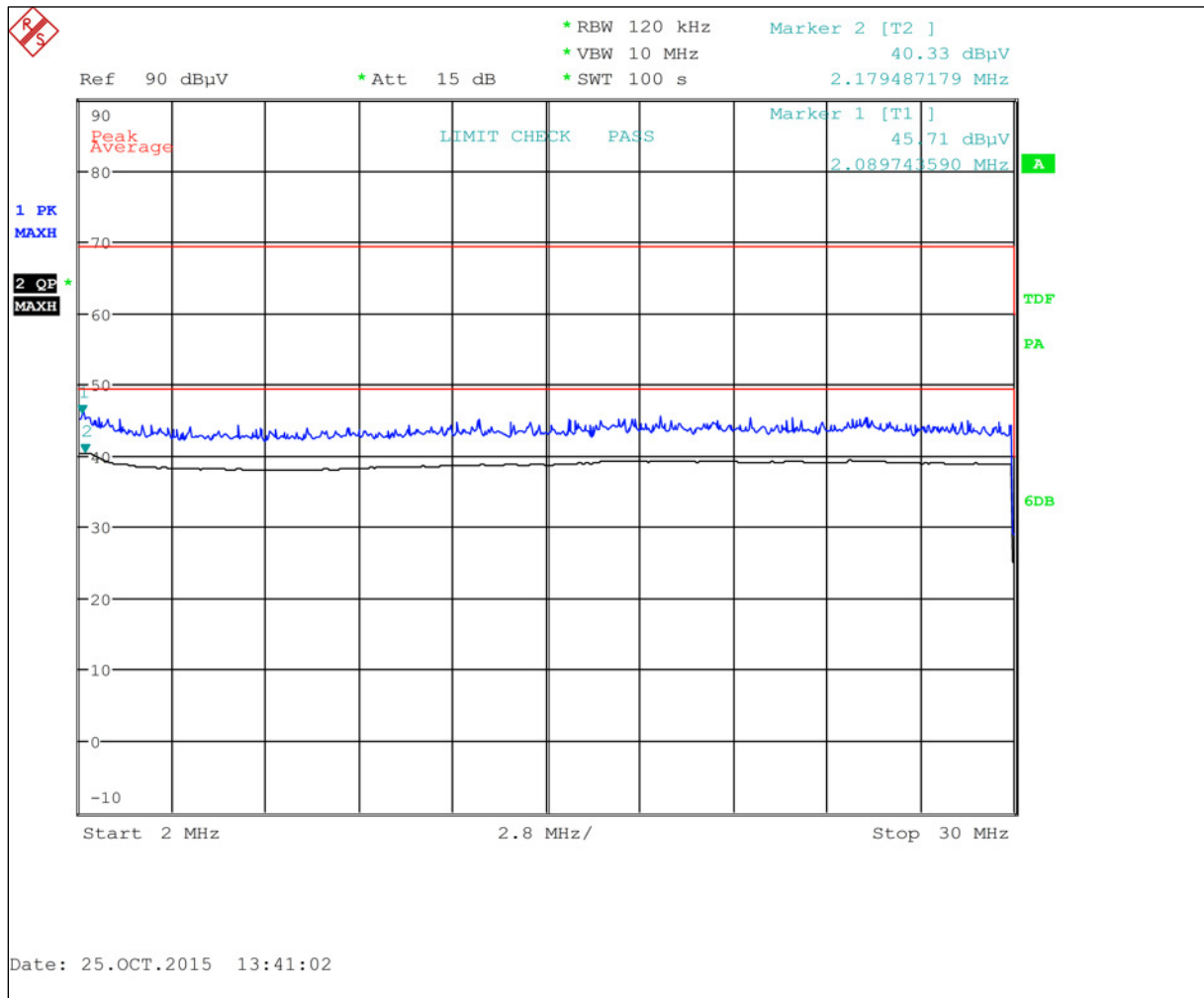
**Plot 6-380: Radiated Emissions Transmit – 150 kHz – 2 MHz Horizontal Peak/Average**



**Plot 6-381: Radiated Emissions Transmit – 150 kHz – 2 MHz Vertical Peak/Average**

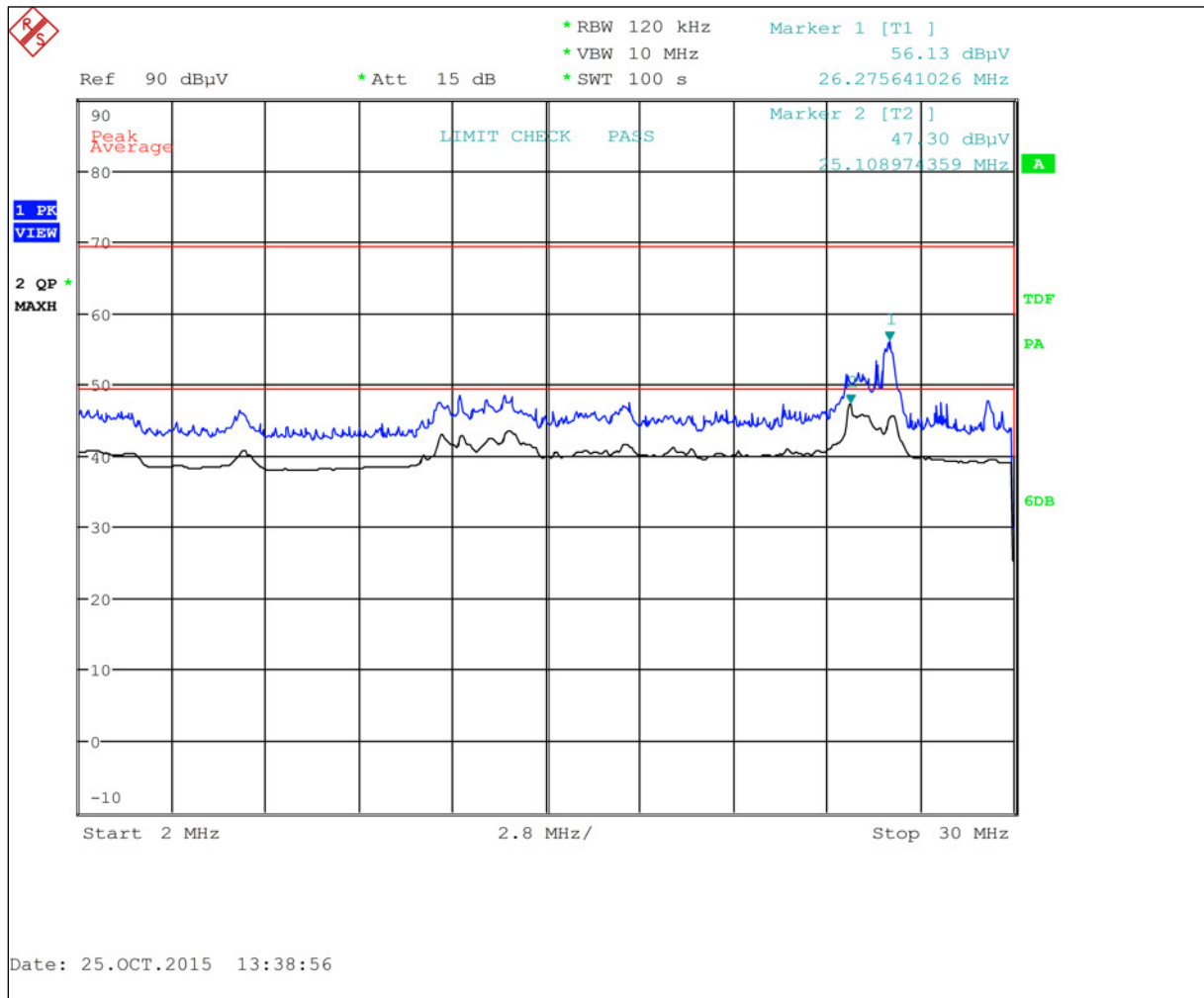


**Plot 6-382: Radiated Emissions Transmit – 2 MHz – 30 MHz Horizontal Peak/Average**

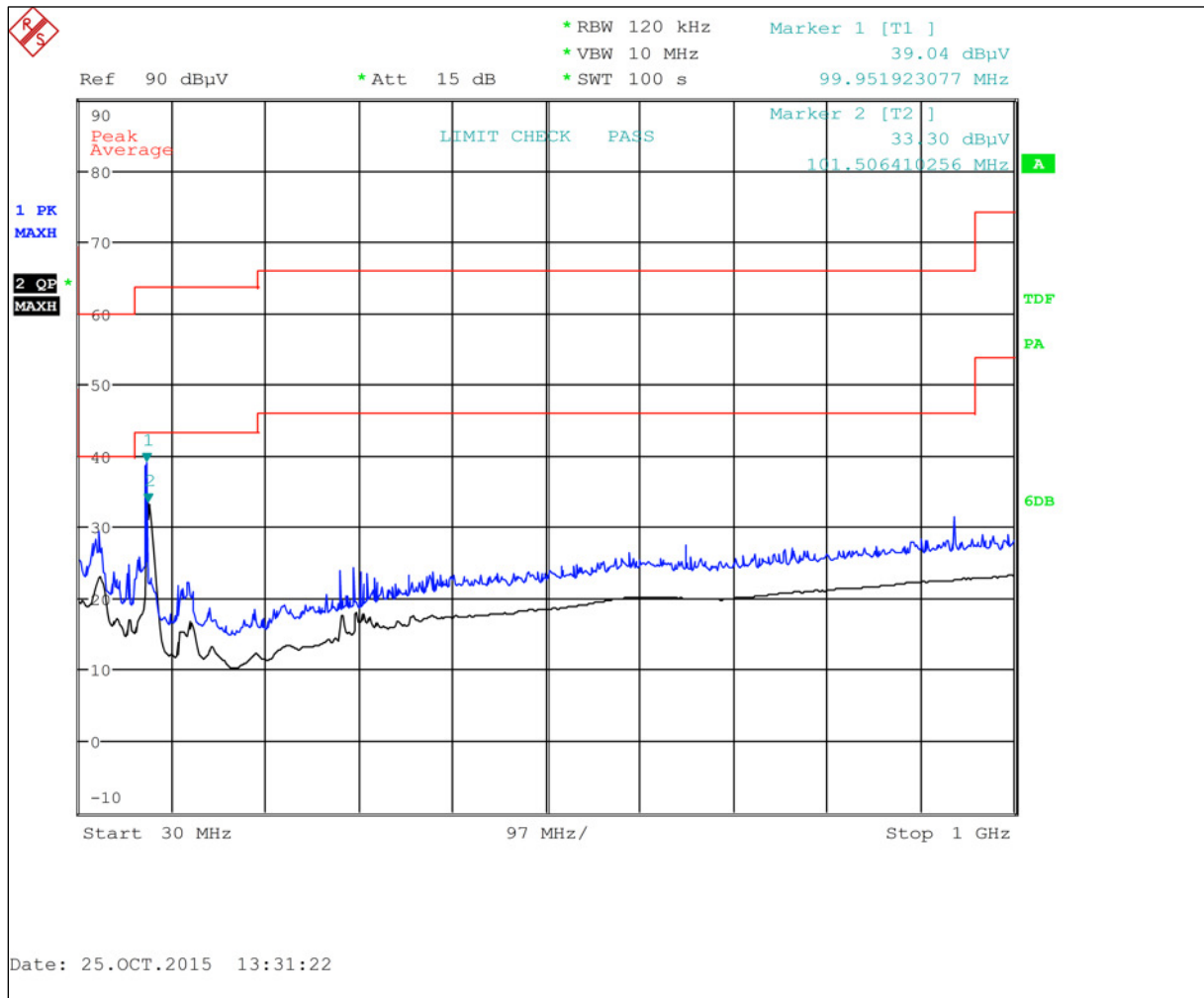




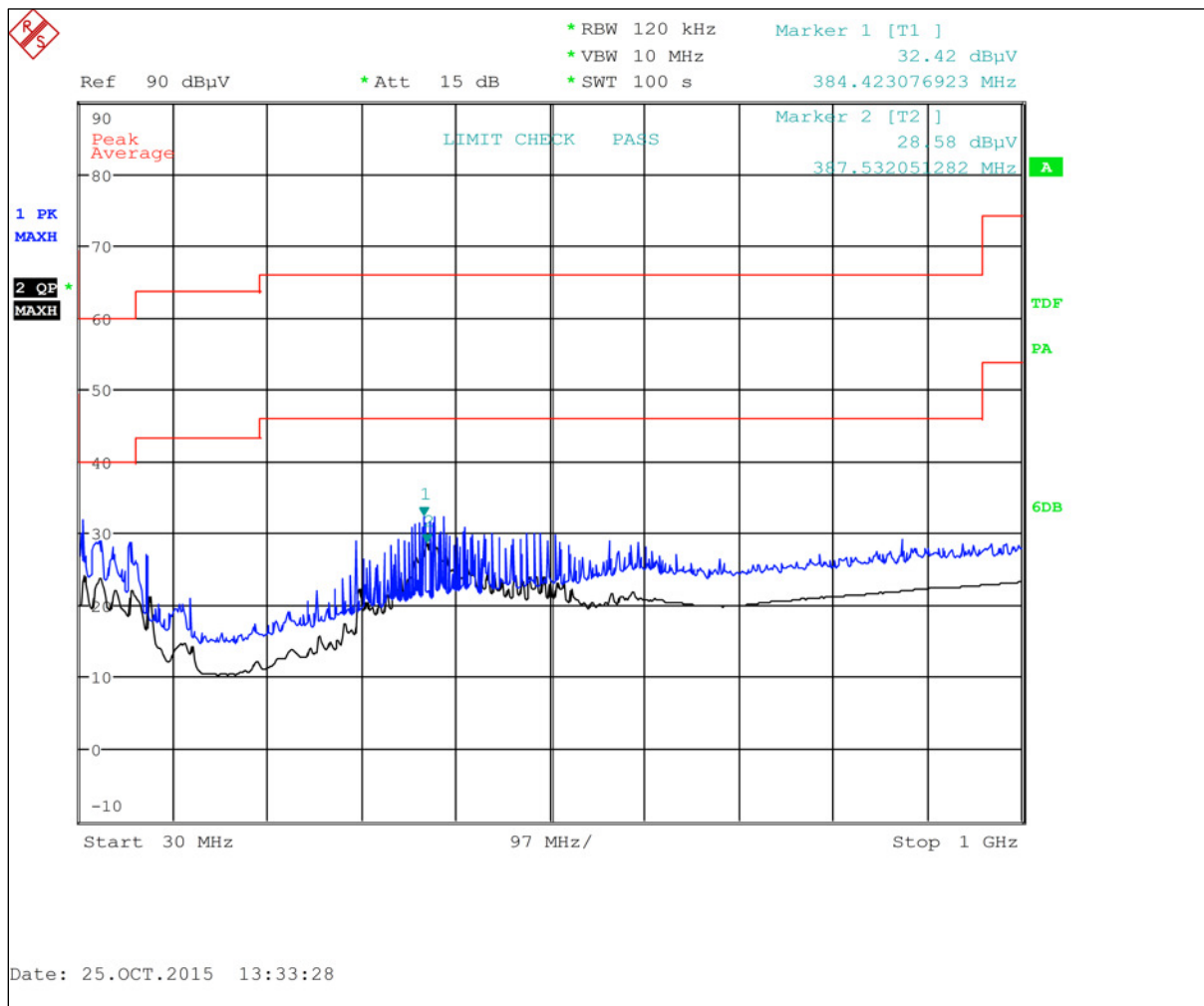
**Plot 6-383: Radiated Emissions Transmit – 2 MHz – 30 MHz Vertical Peak/Average**



**Plot 6-384: Radiated Emissions Transmit – 30 MHz – 1 GHz Horizontal Peak/Average**



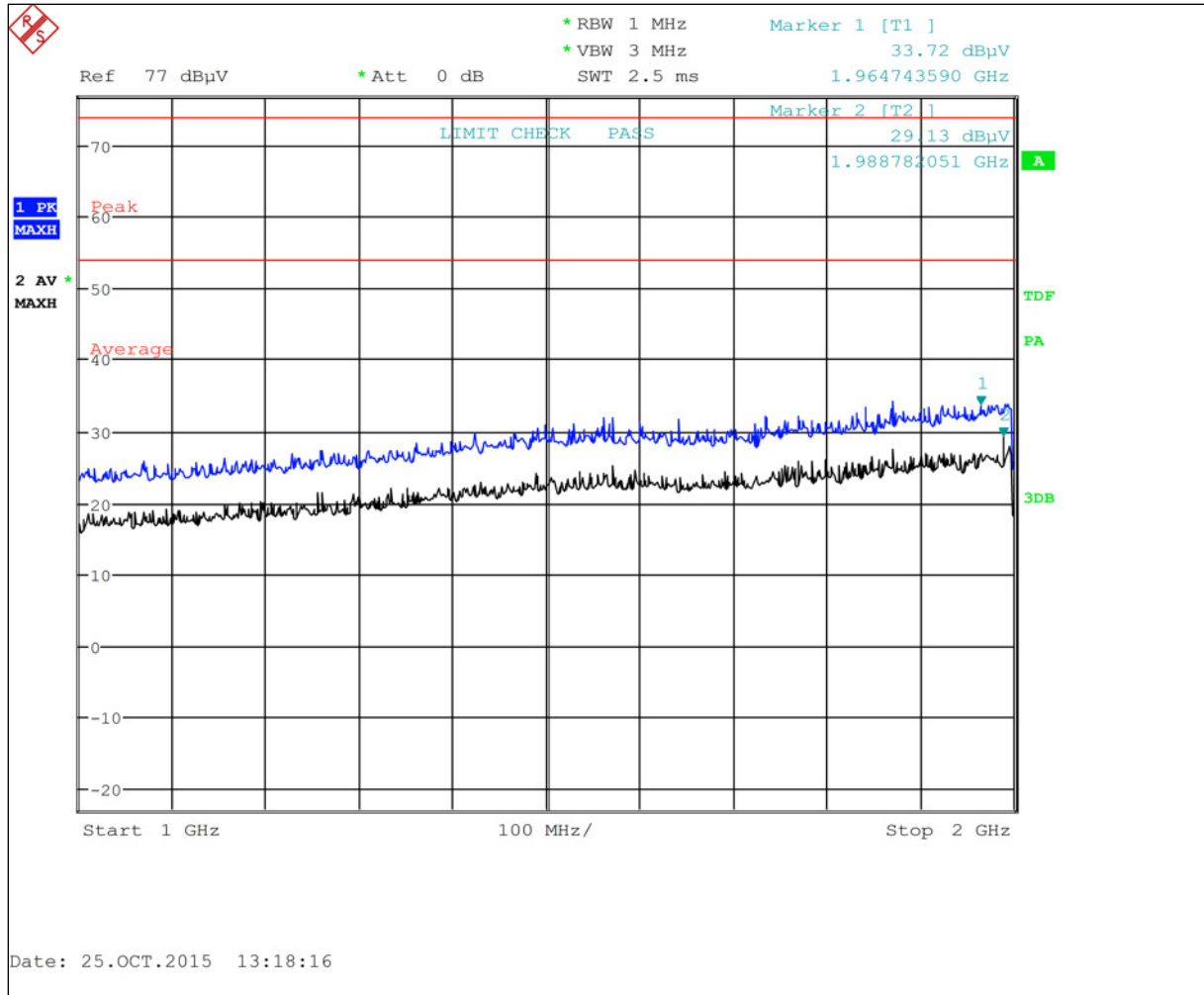
**Plot 6-385: Radiated Emissions Transmit – 30 MHz – 1 GHz Vertical Peak/Average**



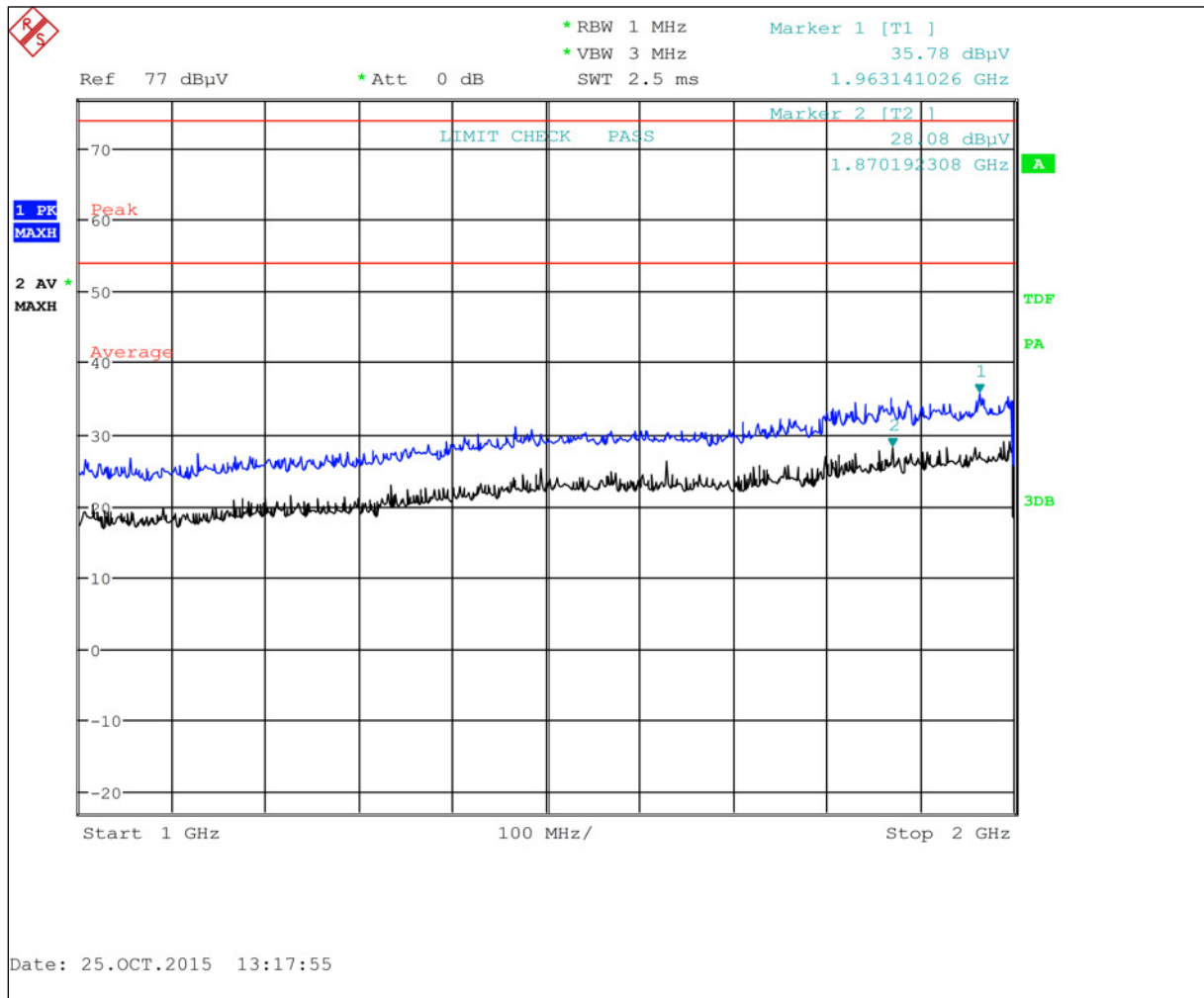
Note: Unwanted emissions were investigated as a digital device (other than harmonics) as required by 15.33(a)(3).

### 6.3.3.3 Radiated Emissions 1 GHz – 26 GHz Test Data – TC#1 Fiberglass Container

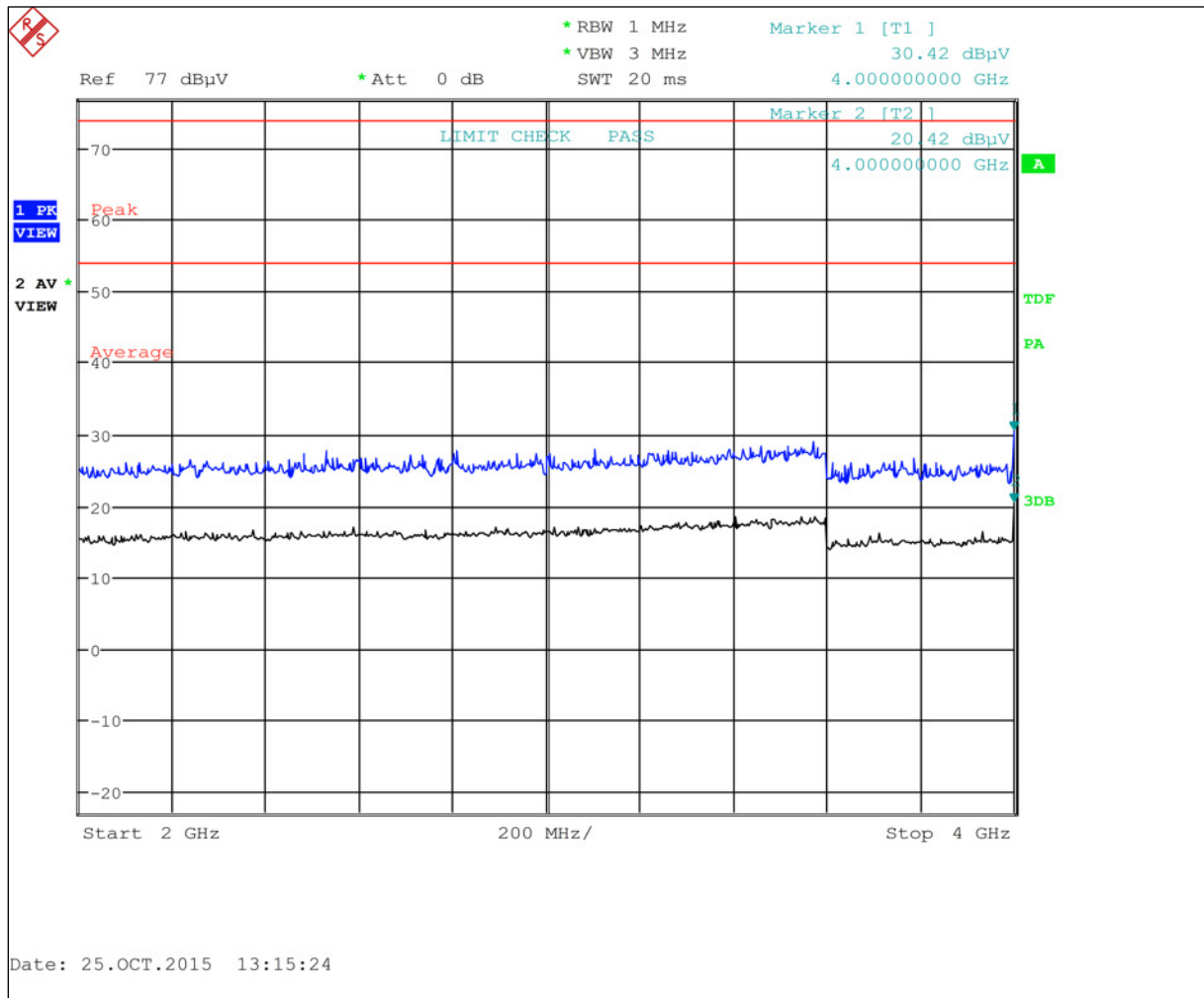
**Plot 6-386: Radiated Emissions 1 GHz – 2 GHz Horizontal Peak/Average**



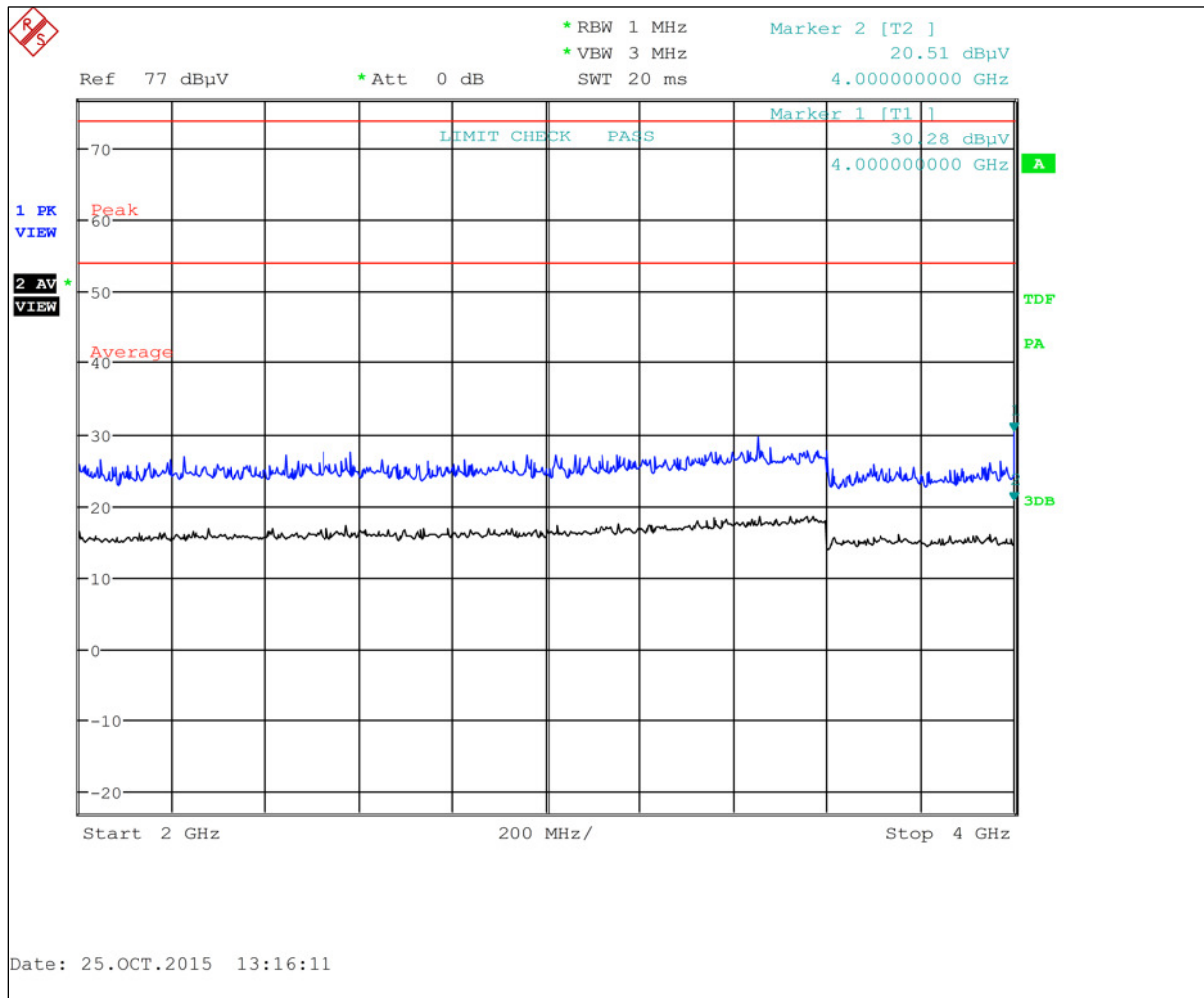
**Plot 6-387: Radiated Emissions 1 GHz – 2 GHz Vertical Peak/Average**



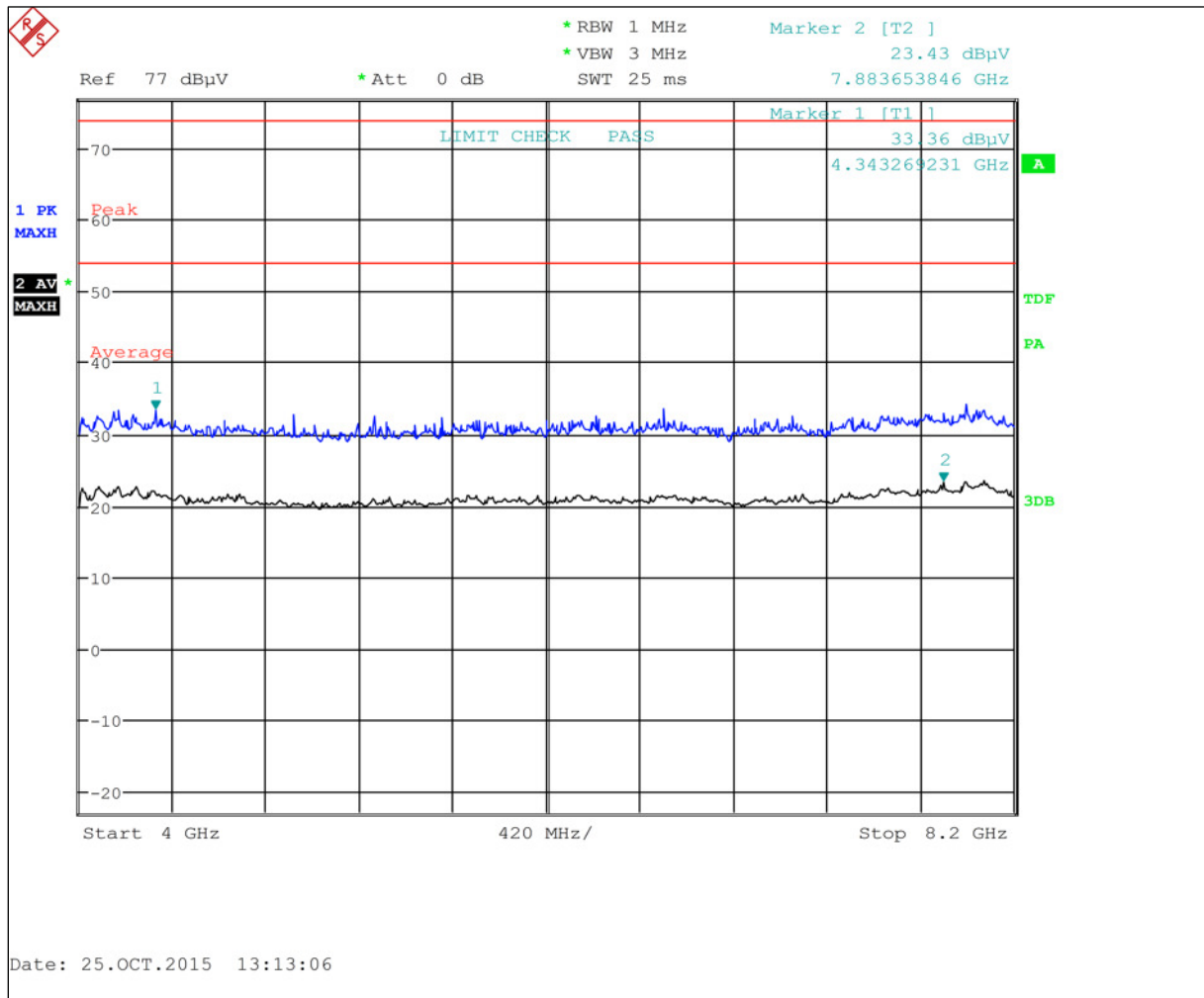
**Plot 6-388: Radiated Emissions 2 GHz – 4 GHz Horizontal Peak/Average**



**Plot 6-389: Radiated Emissions 2 GHz – 4 GHz Vertical Peak/Average**

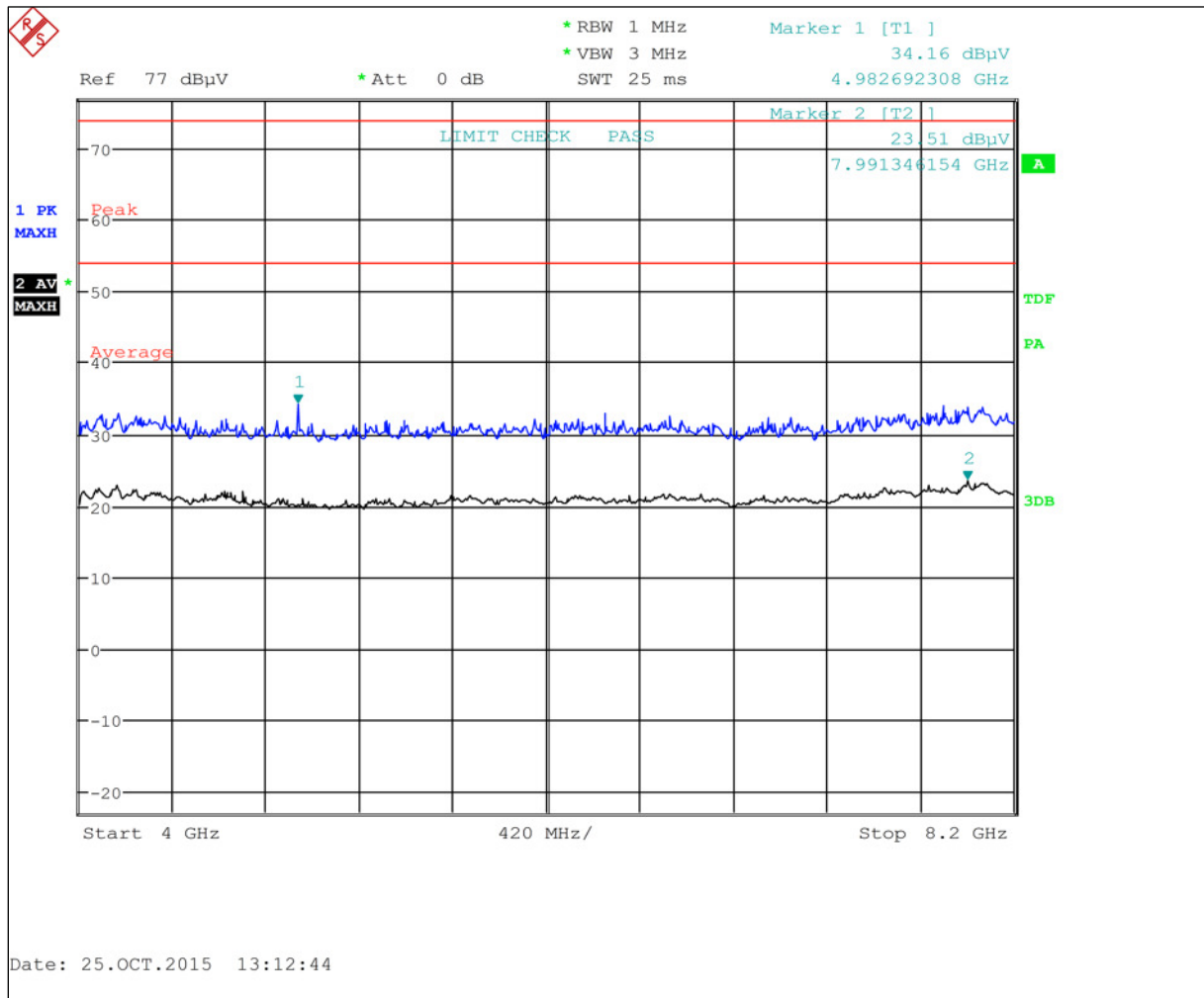


**Plot 6-390: Radiated Emissions 4 GHz – 8 GHz Horizontal Peak/Average**

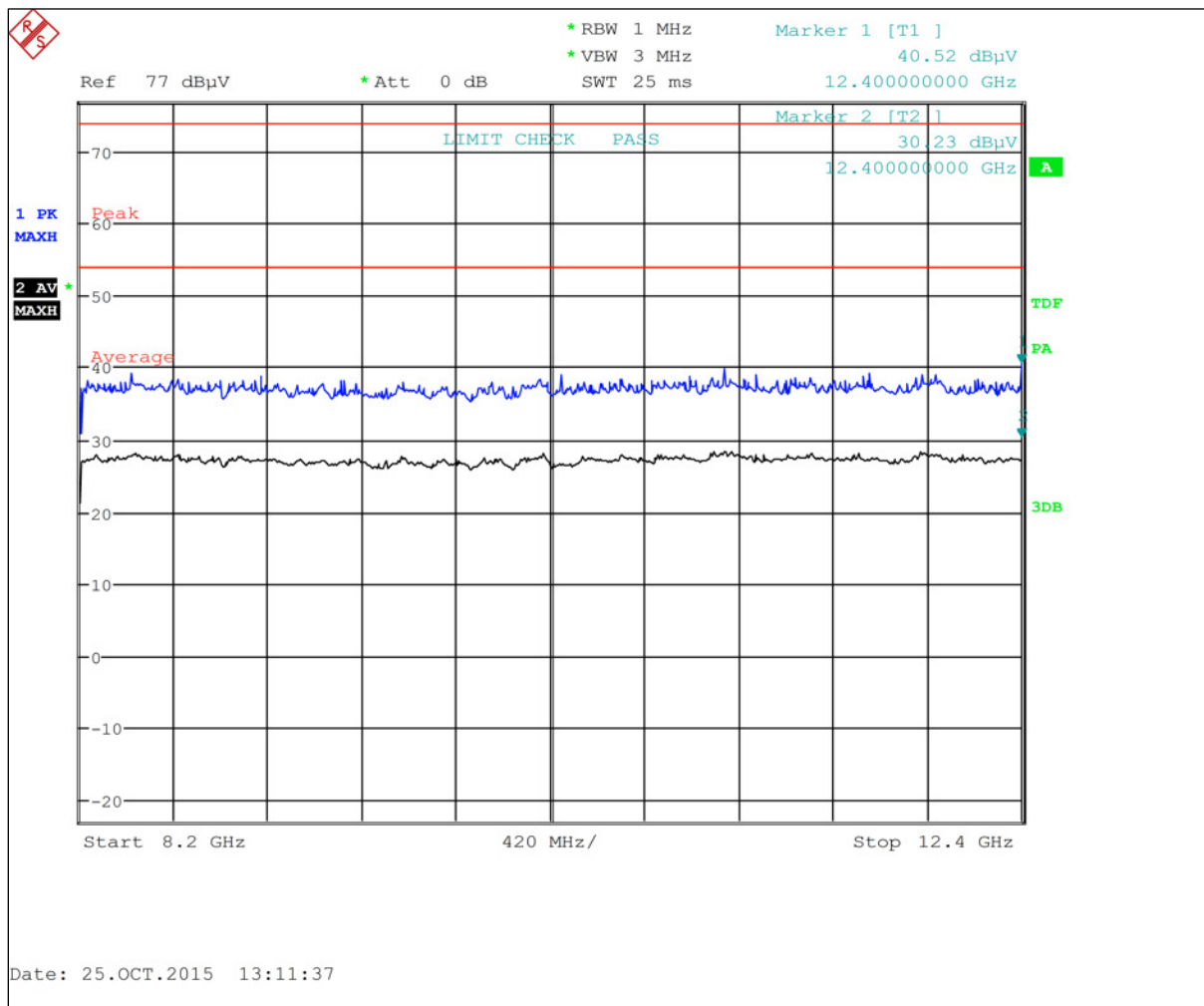




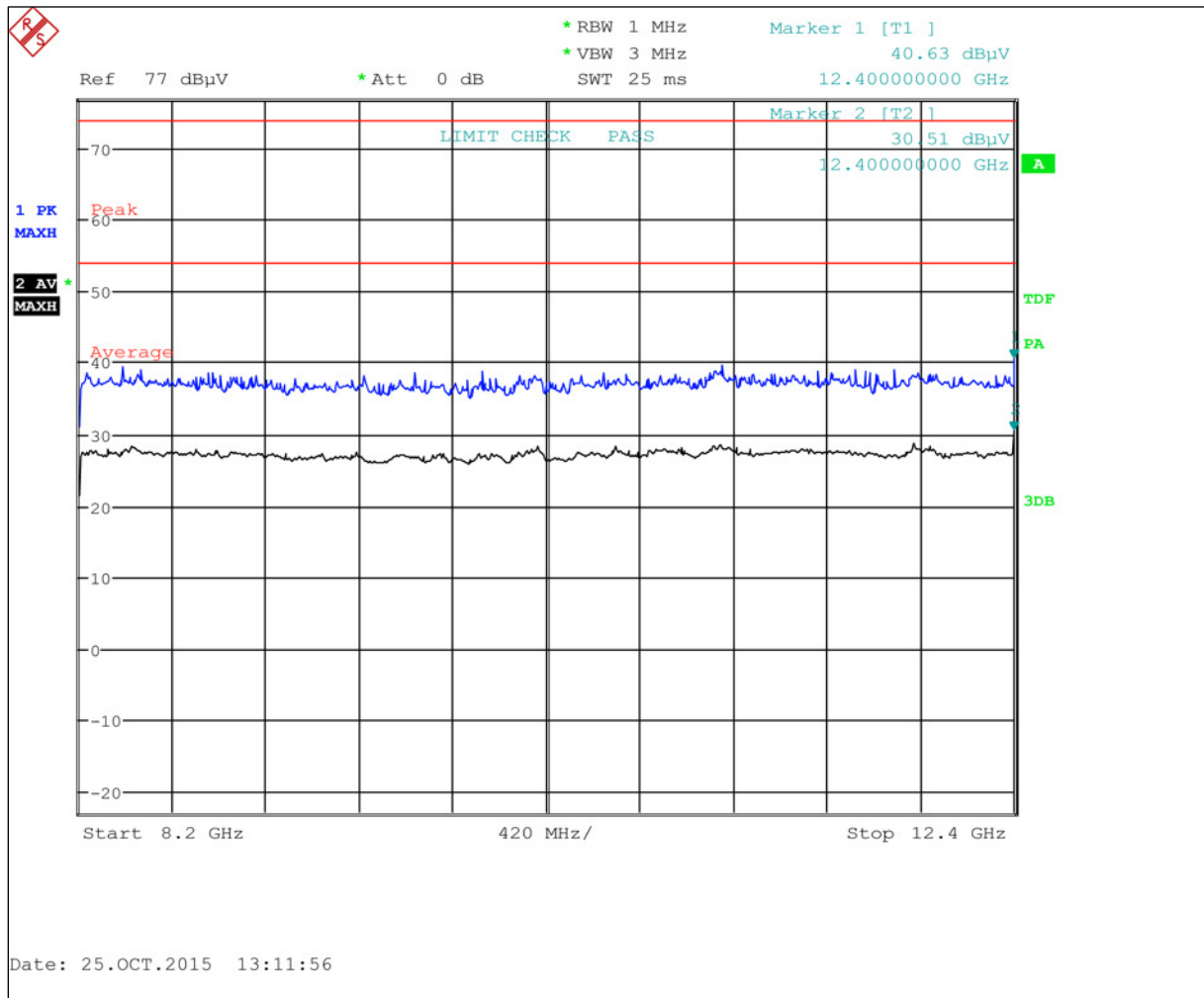
**Plot 6-391: Radiated Emissions 4 GHz – 8 GHz Vertical Peak/Average**



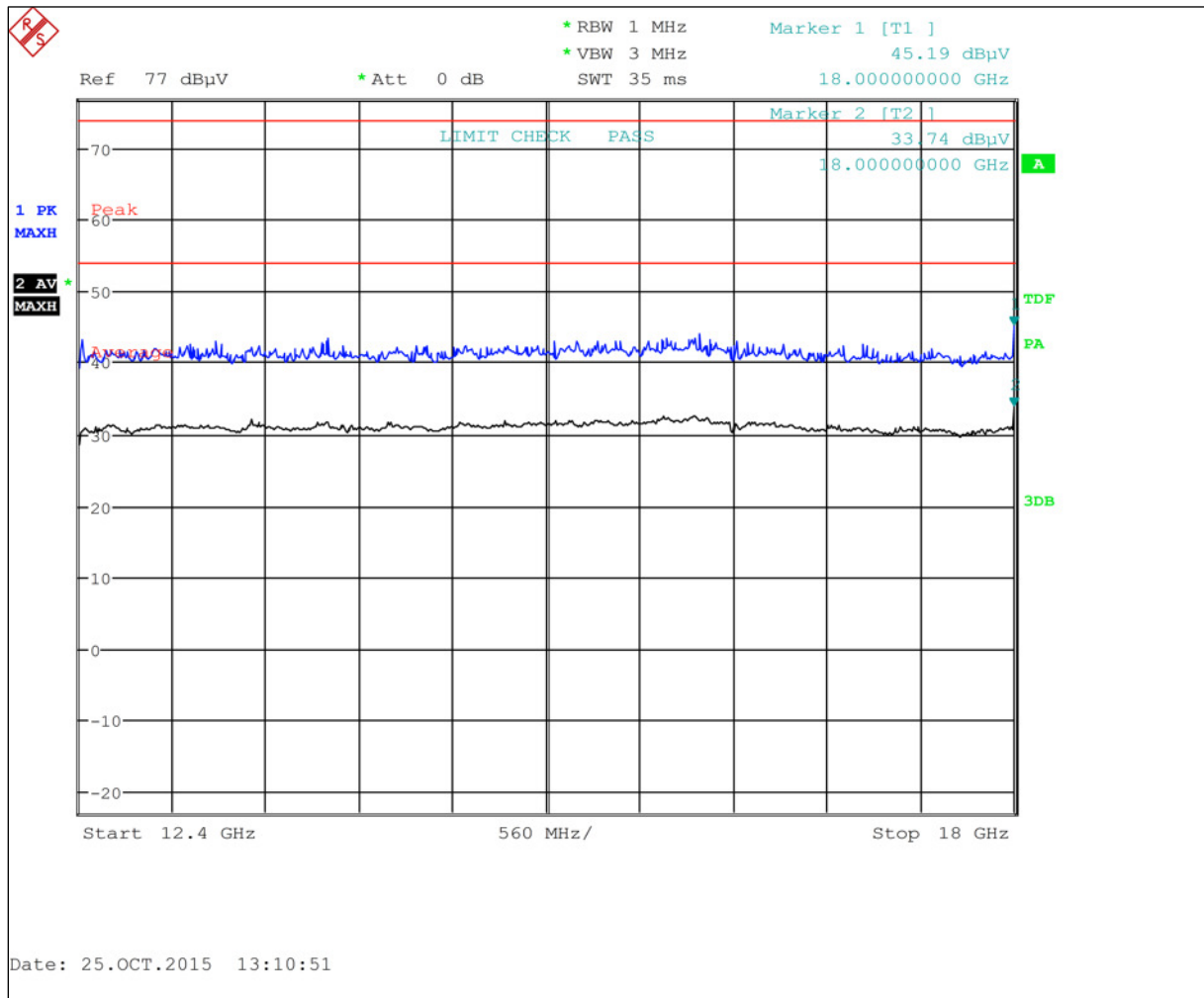
**Plot 6-392: Radiated Emissions 8 GHz – 12 GHz Horizontal Peak/Average**



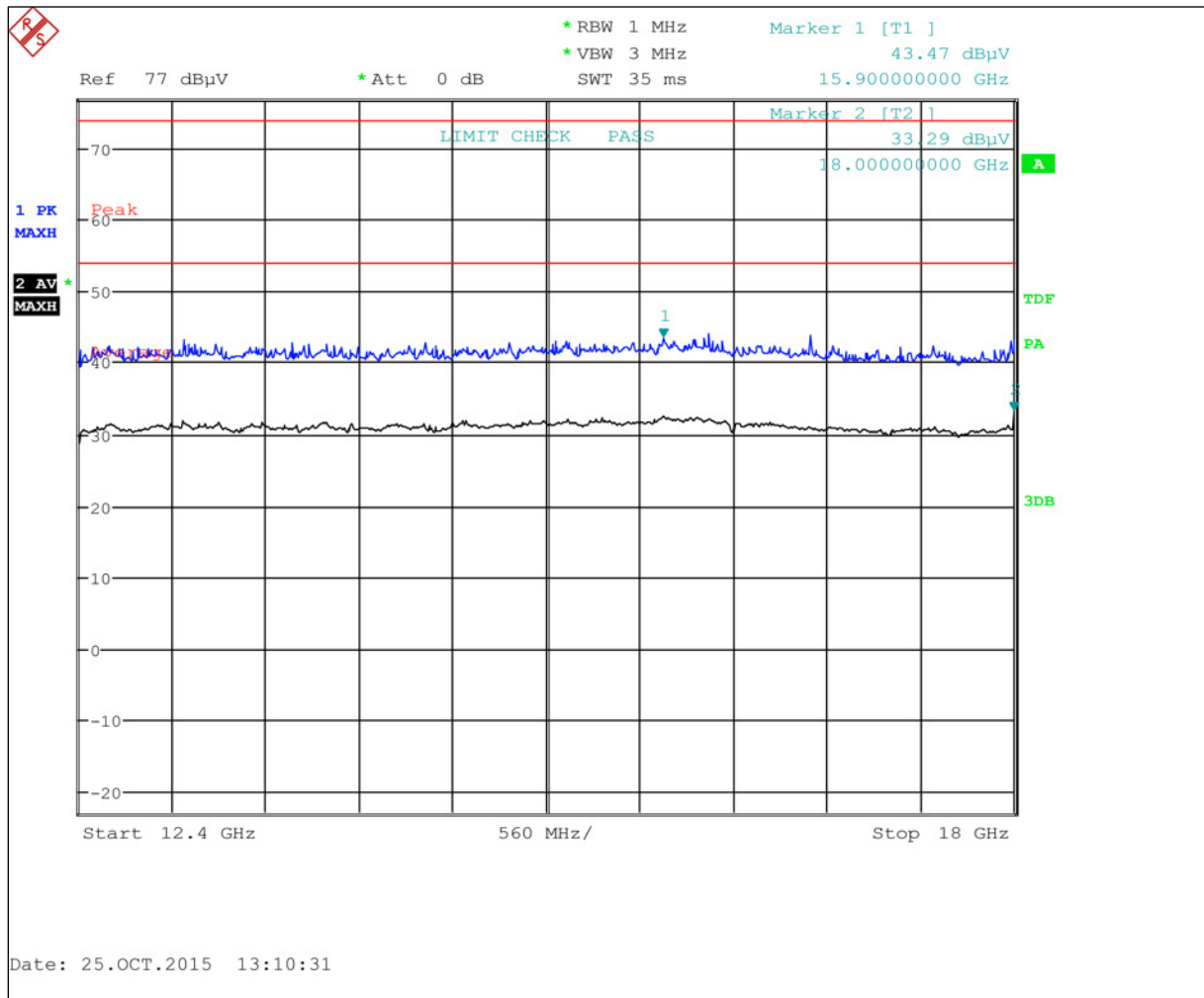
**Plot 6-393: Radiated Emissions 8 GHz – 12 GHz Vertical Peak/Average**



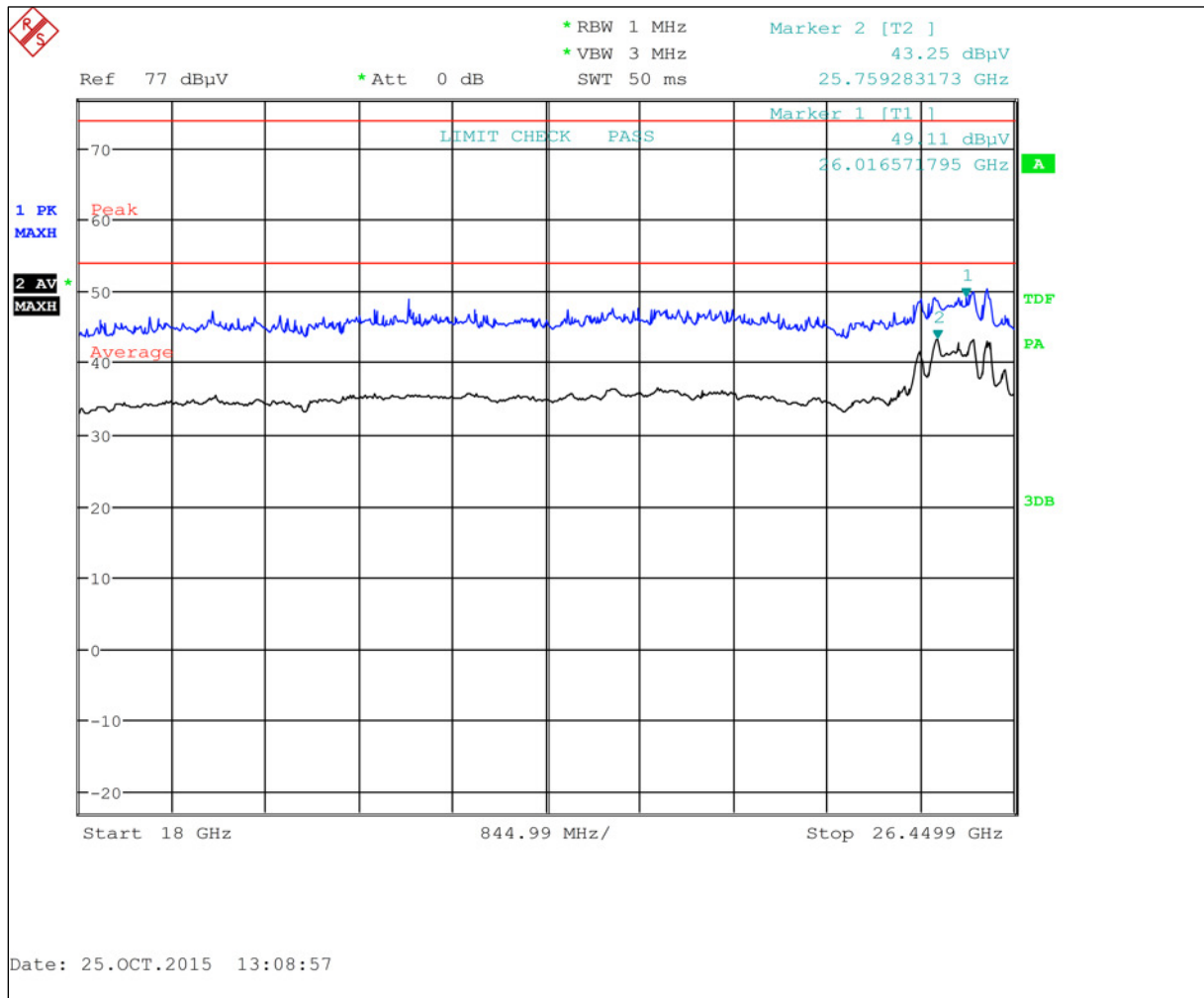
**Plot 6-394: Radiated Emissions 12 GHz – 18 GHz Horizontal Peak/Average**



**Plot 6-395: Radiated Emissions 12 GHz – 18 GHz Vertical Peak/Average**



**Plot 6-396: Radiated Emissions 18 GHz – 26 GHz Horizontal Peak/Average**



**Plot 6-397: Radiated Emissions 18 GHz – 26 GHz Vertical Peak/Average**

