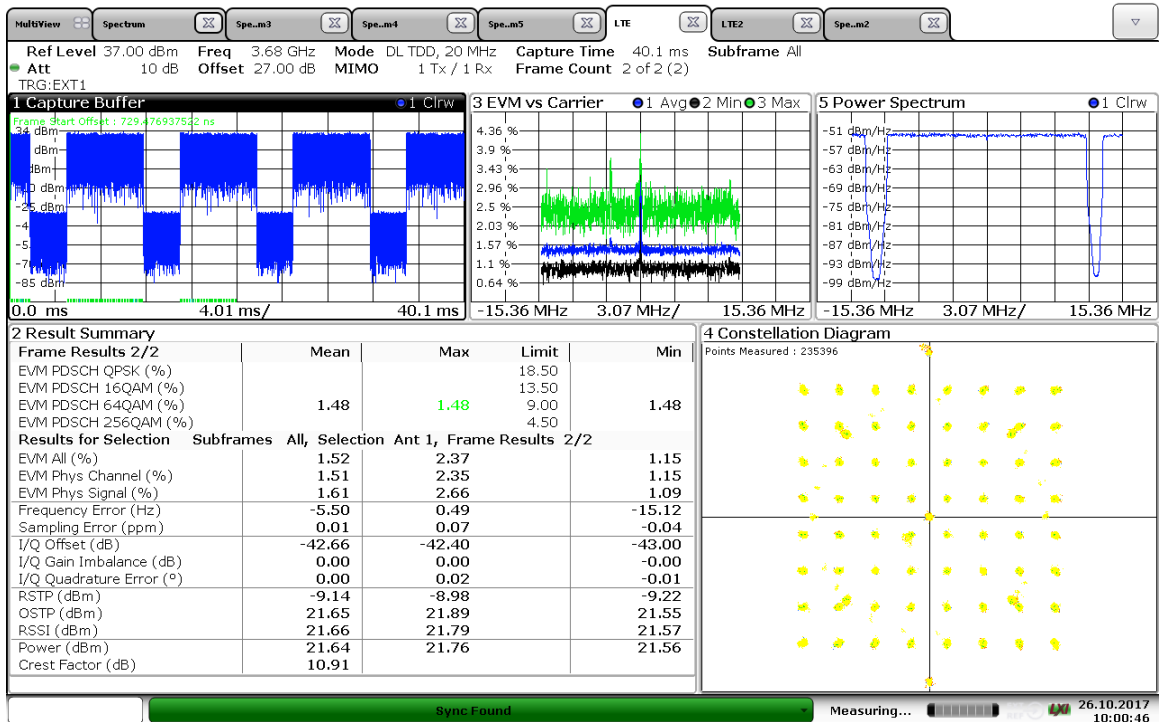
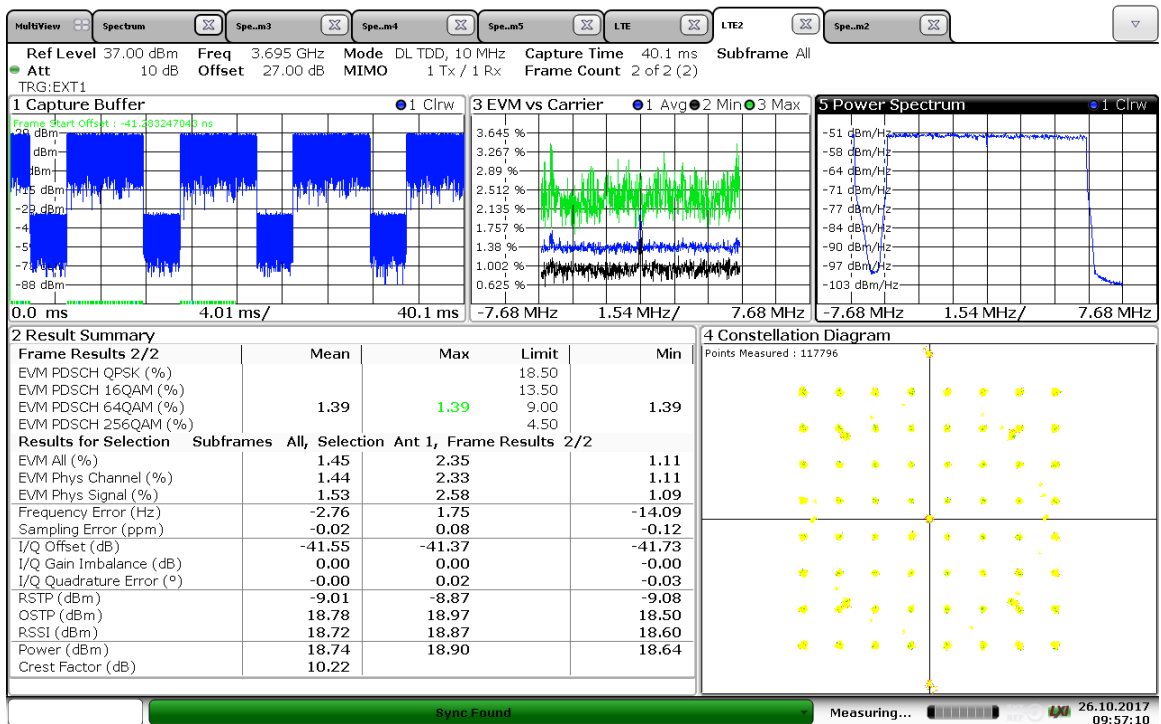


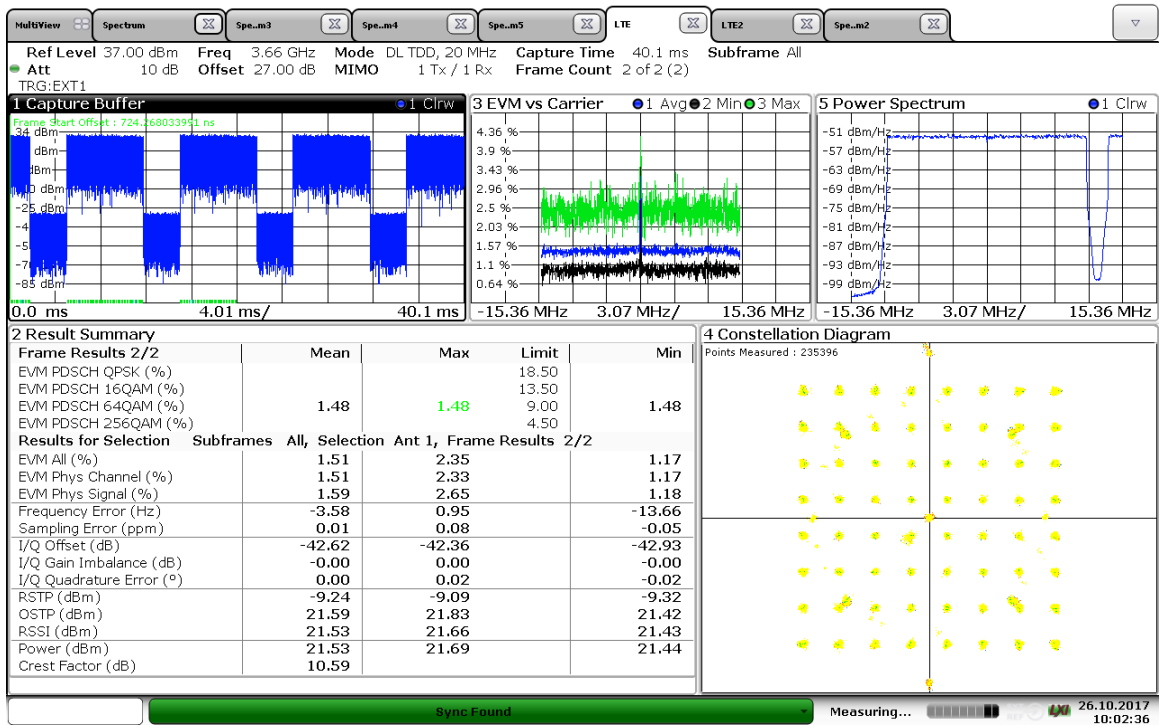
10:02:25 26.10.2017



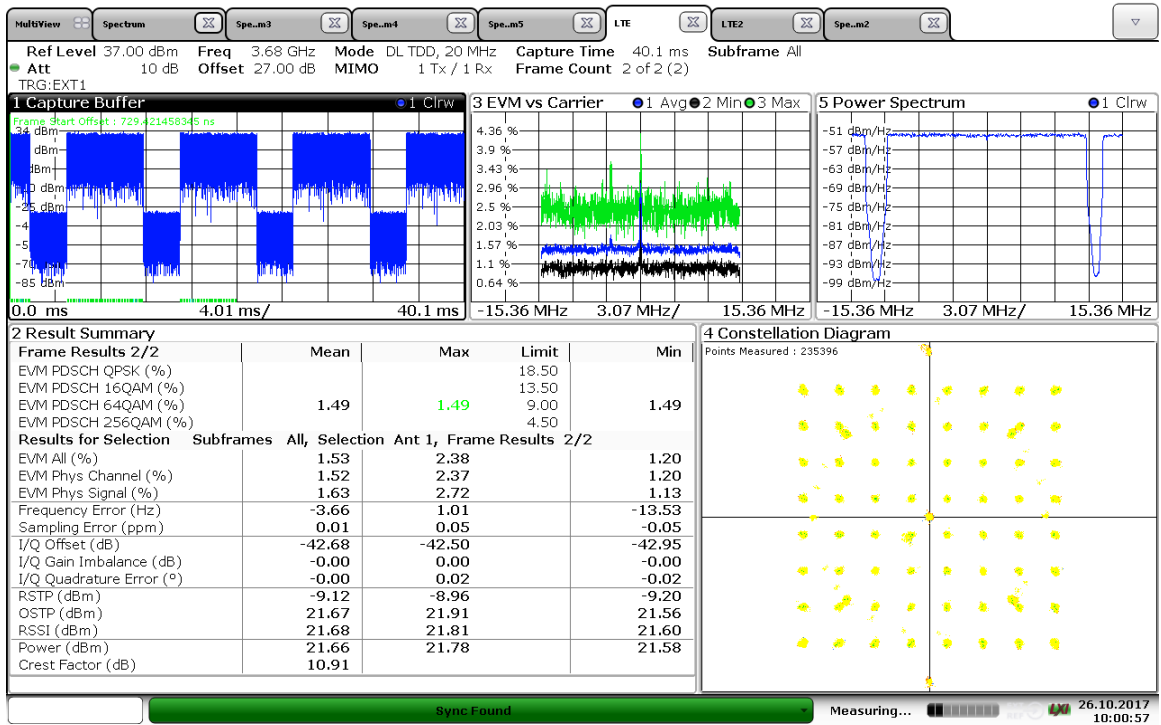
10:00:47 26.10.2017



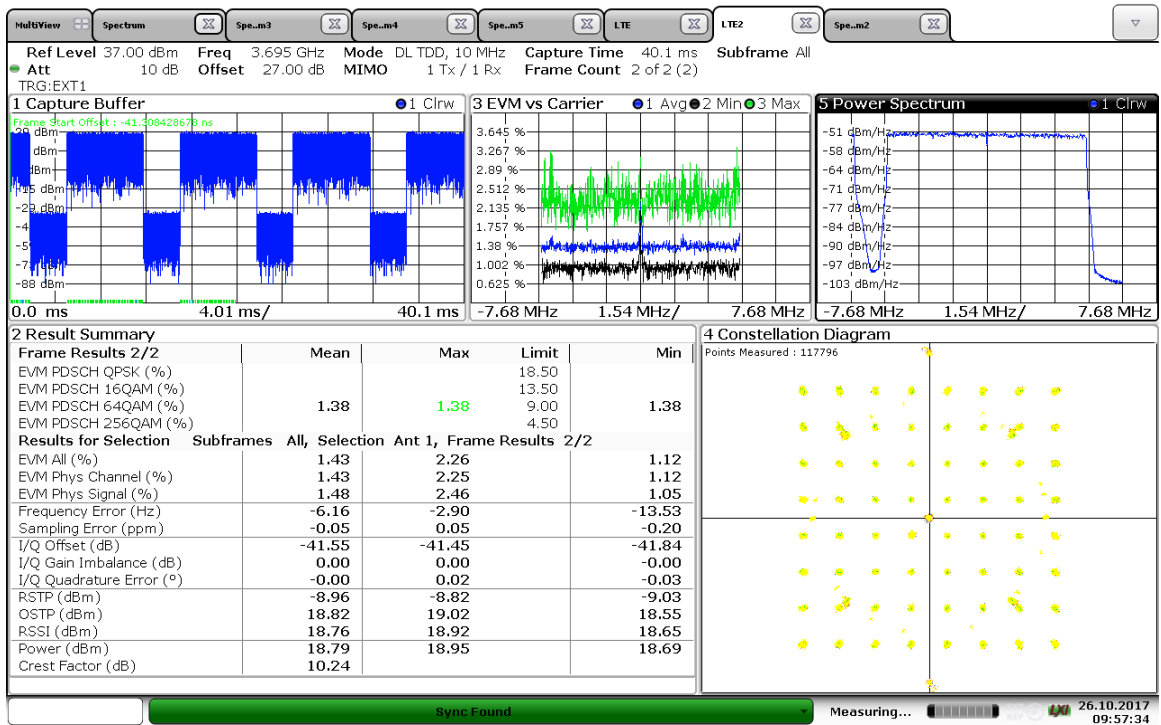
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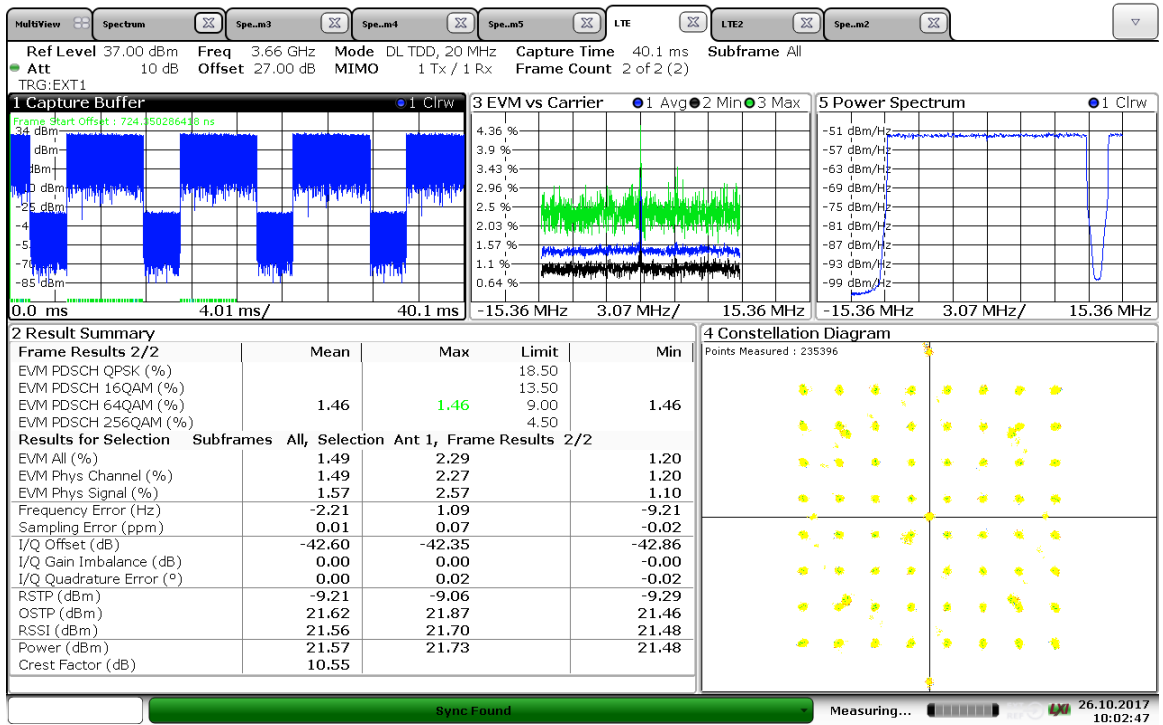
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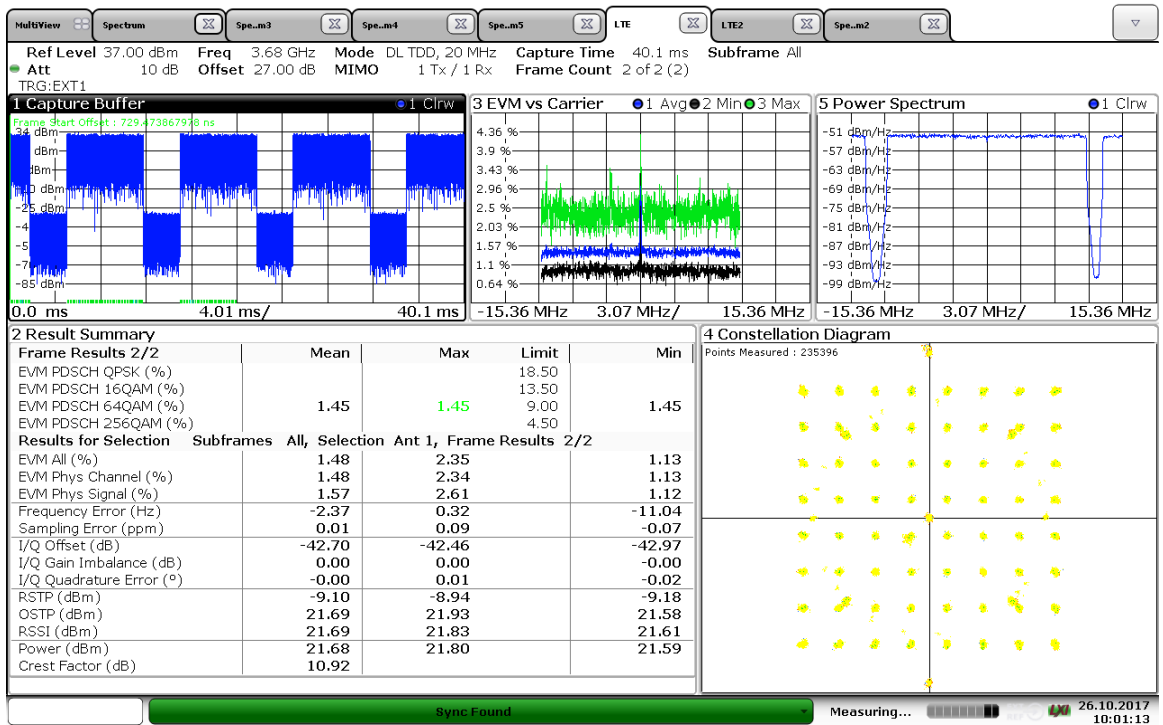
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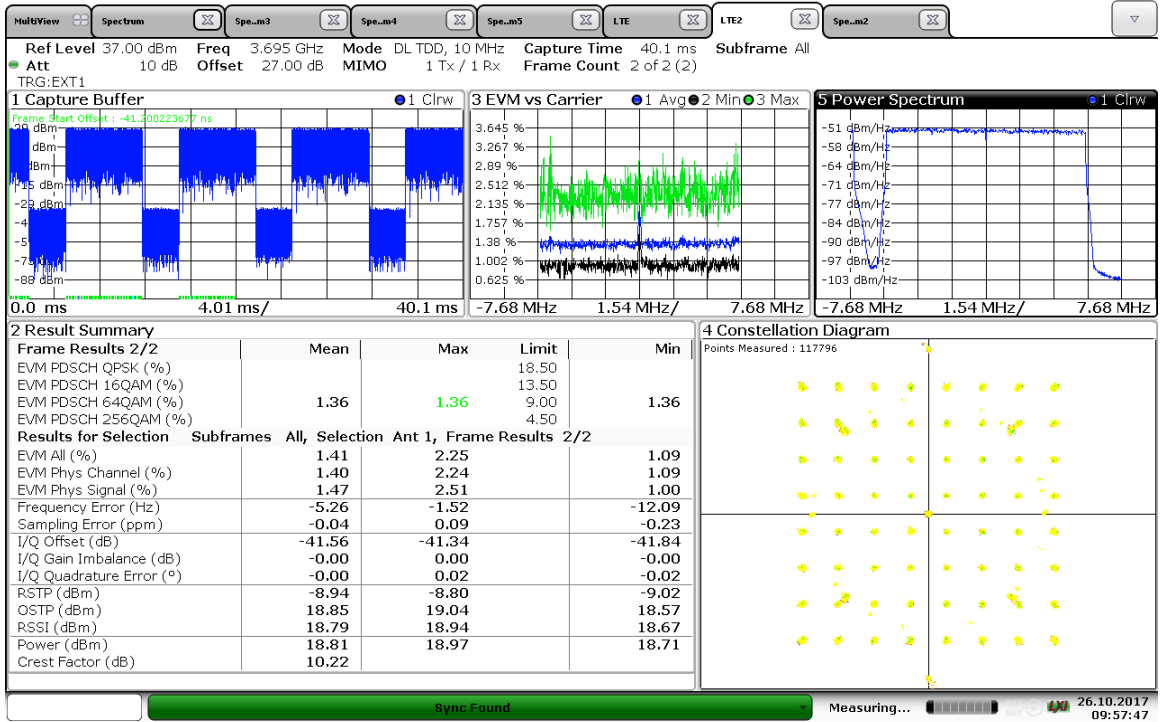
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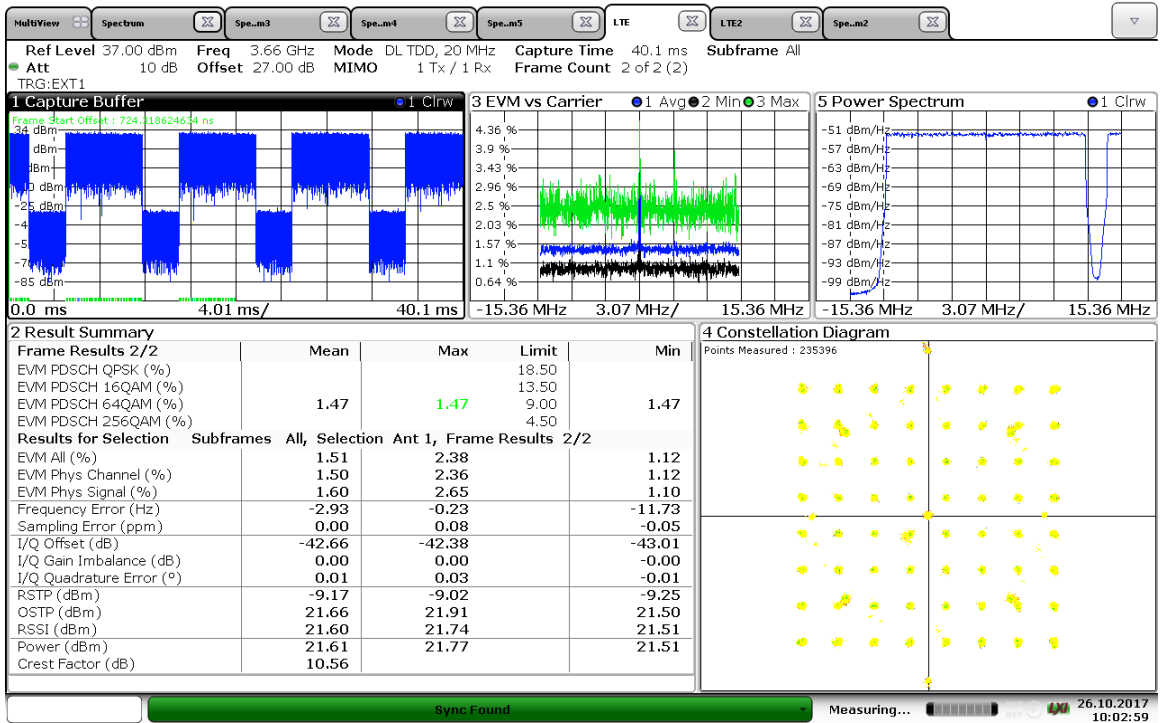
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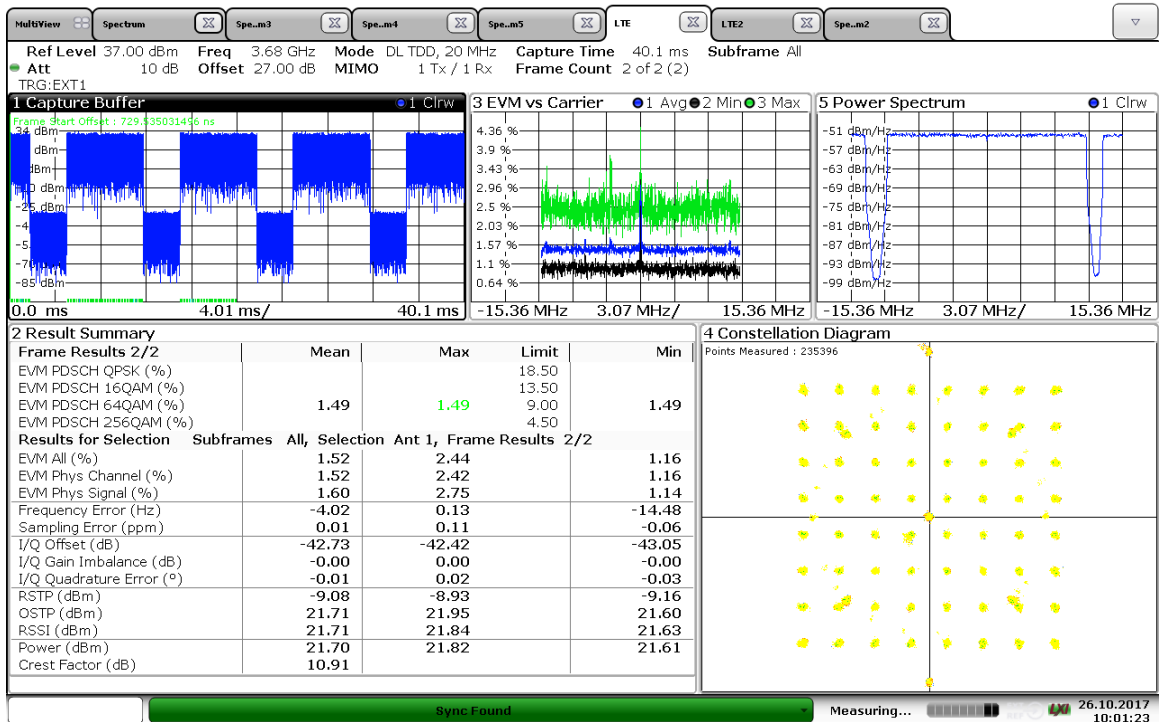
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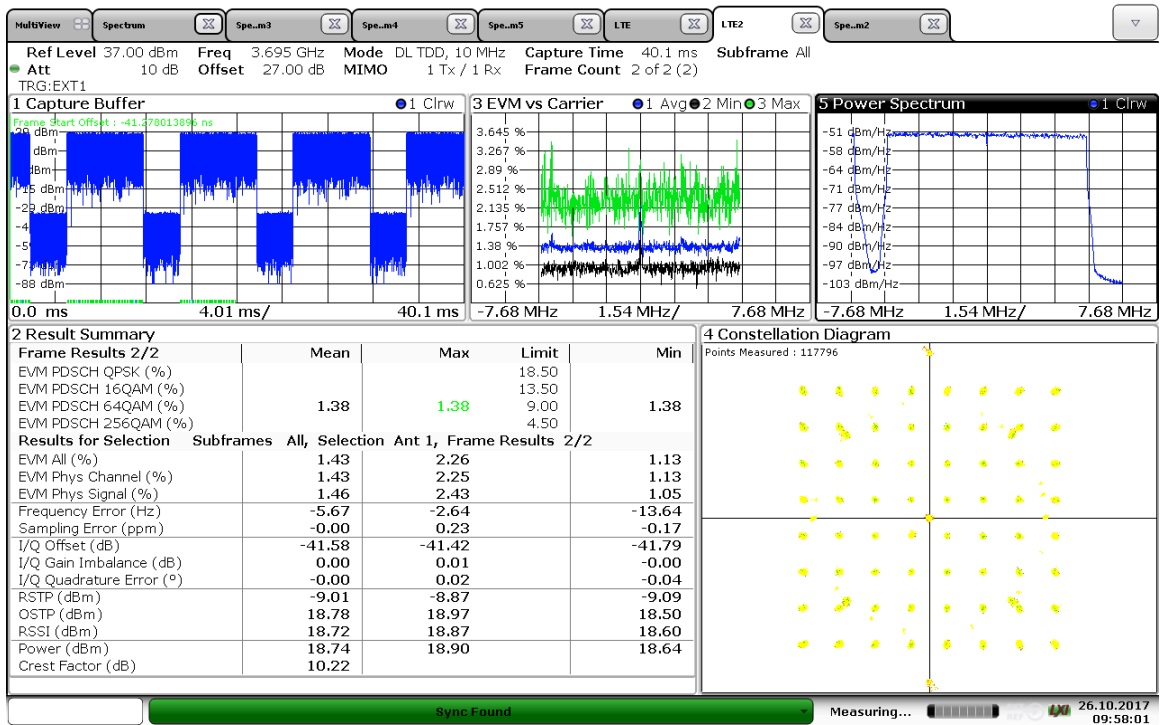
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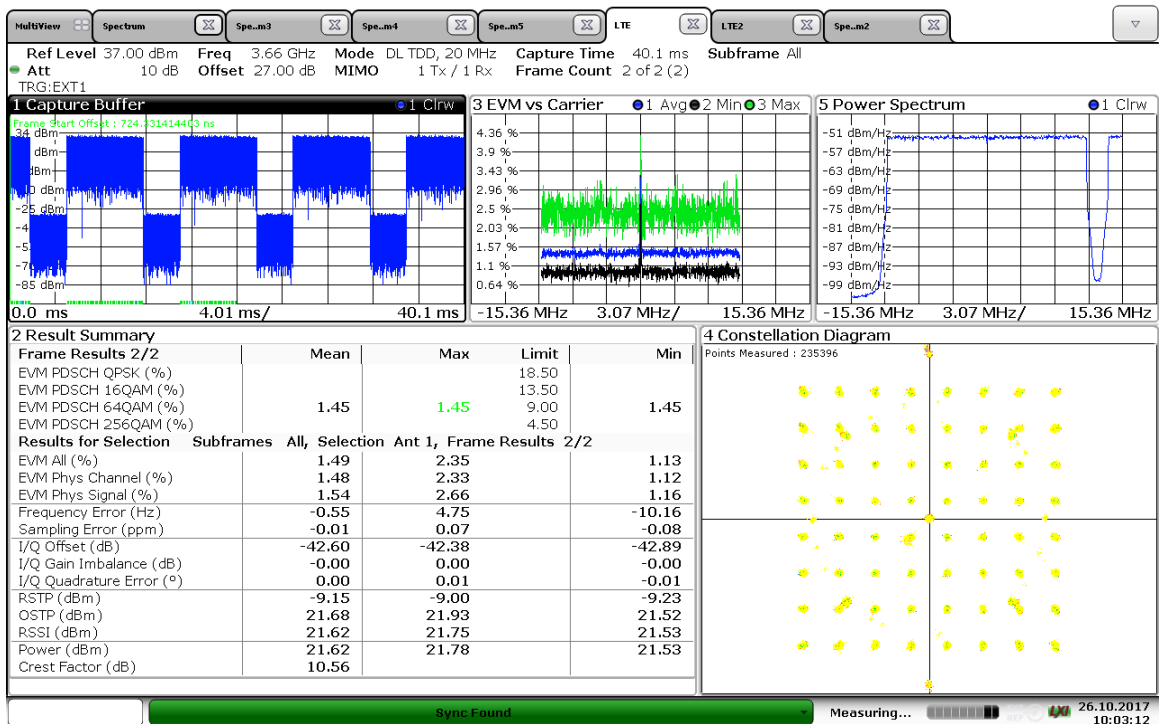
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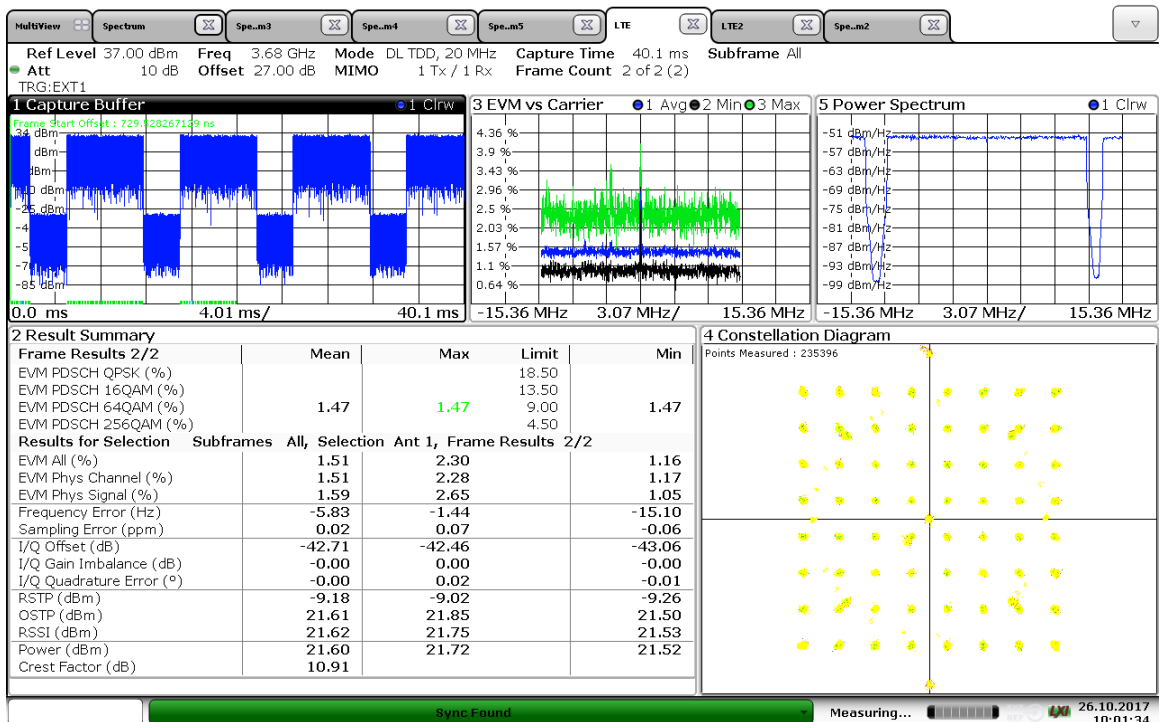
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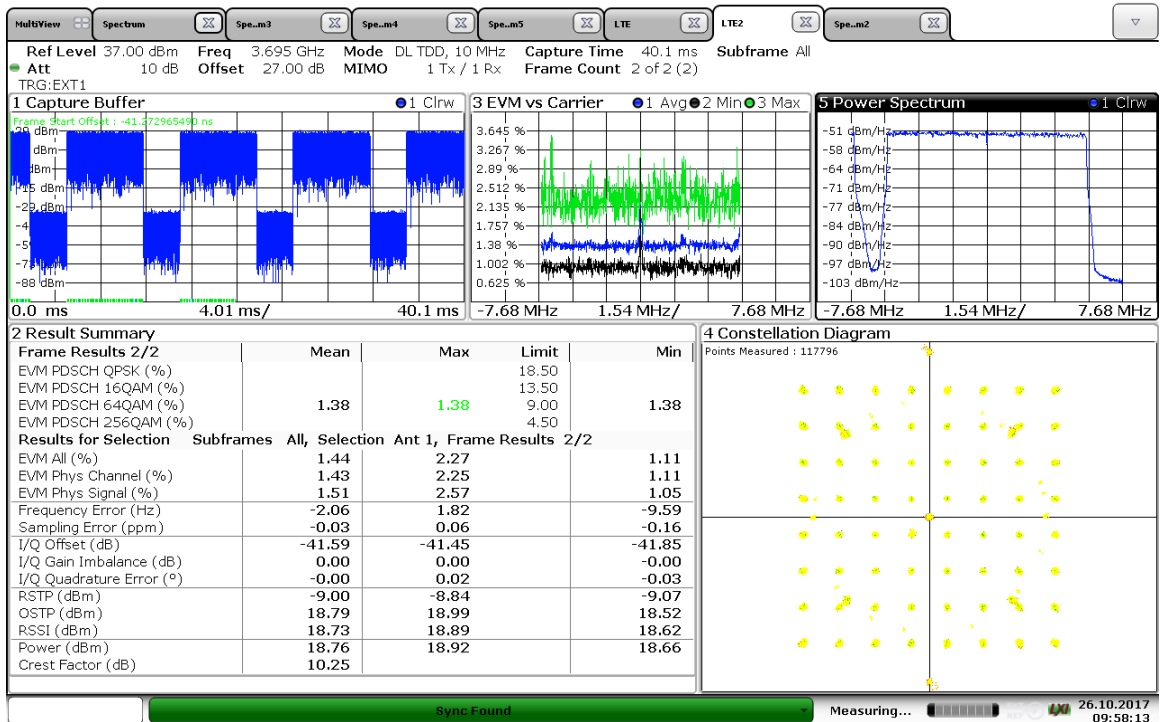
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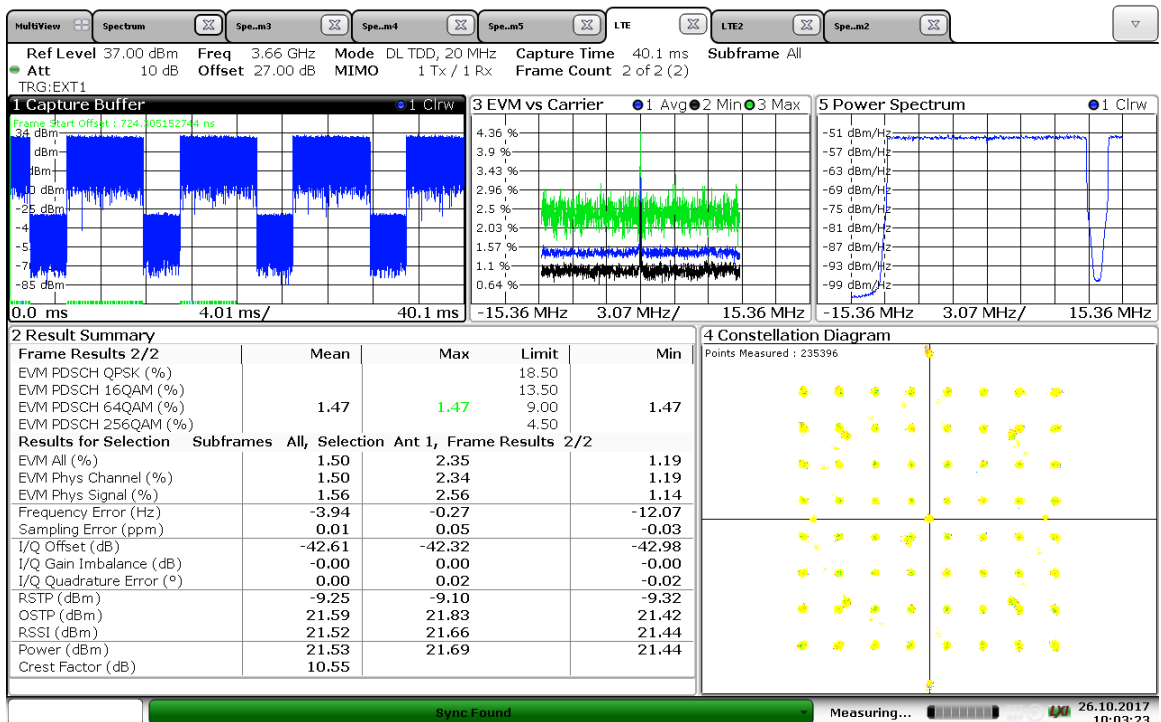
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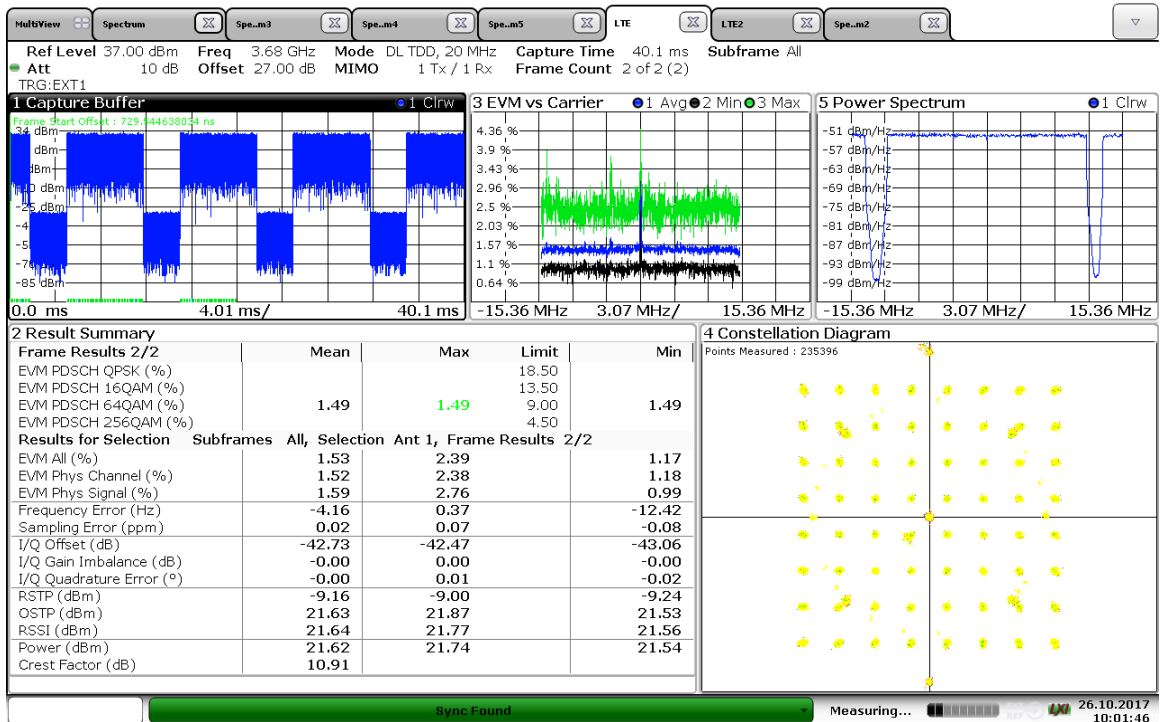
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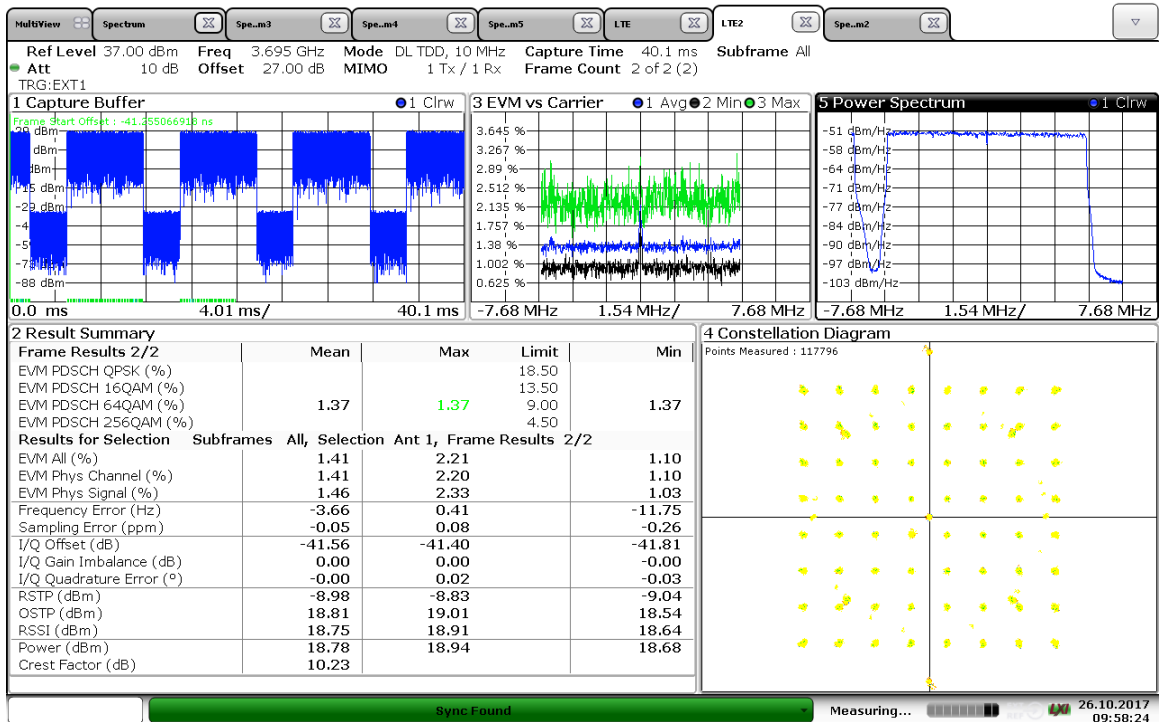
09:58:13 26.10.2017



10:03:23 26.10.2017



10:01:46 26.10.2017



09:58:25 26.10.2017

3.3. Occupied Bandwidth

3.3.1. Applicable Standard: FCC §2.1049

3.3.2. Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------|----------------------------|-------|---------------|------------------|----------------------|
| R&S | Signal & Spectrum Analyzer | FSW26 | SB12724/01 | 2017.6.19 | 2018.6.18 |

***statement of traceability:** SMQ attests that all calibration has been performed per the A2LA requirements, traceable to NIM.

3.3.3. Test Procedure

The RF out of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation. 99% Power bandwidth was recorded.

3.3.4. Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 20 °C |
| Relative Humidity: | 53 % |
| ATM Pressure: | 1009 mbar |

3.3.5. Test Result: Pass

3.3.6. Test Mode: Transmitting LTE

3.3.7. Test Data:

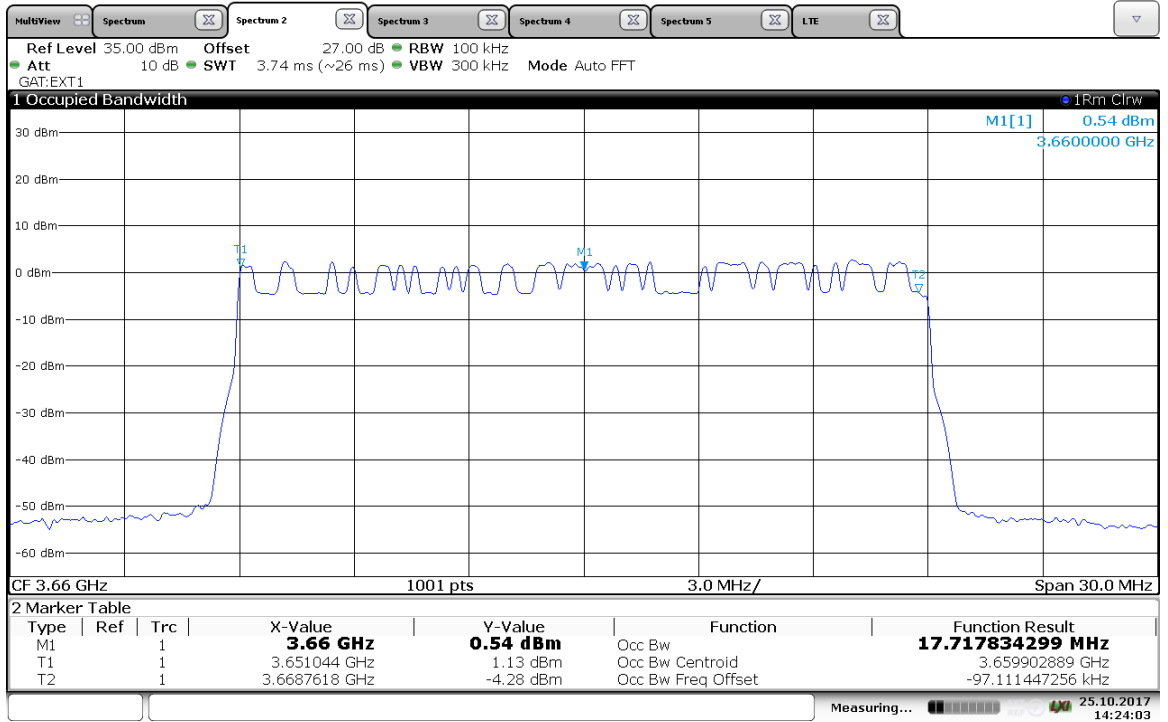
Channel Bandwidth: 20M

| Port | Carrier Freq. (MHz) | Occupied Bandwidth(MHz) | | |
|------|---------------------|-------------------------|--------|--------|
| | | QPSK | 16QAM | 64QAM |
| 0 | 3660 | 17.718 | 17.728 | 17.841 |
| 1 | | 17.718 | 17.727 | 17.844 |
| 2 | | 17.718 | 17.728 | 17.839 |
| 3 | | 17.719 | 17.728 | 17.84 |
| 4 | | 17.717 | 17.727 | 17.836 |
| 5 | | 17.717 | 17.726 | 17.84 |
| 6 | | 17.718 | 17.728 | 17.836 |
| 7 | | 17.718 | 17.728 | 17.841 |
| 0 | 3675 | 17.702 | 17.712 | 17.833 |
| 1 | | 17.702 | 17.713 | 17.833 |
| 2 | | 17.703 | 17.711 | 17.833 |
| 3 | | 17.703 | 17.713 | 17.833 |
| 4 | | 17.702 | 17.714 | 17.833 |
| 5 | | 17.704 | 17.712 | 17.833 |
| 6 | | 17.702 | 17.712 | 17.833 |
| 7 | | 17.702 | 17.712 | 17.833 |
| 0 | 3690 | 17.69 | 17.706 | 17.831 |
| 1 | | 17.691 | 17.706 | 17.831 |

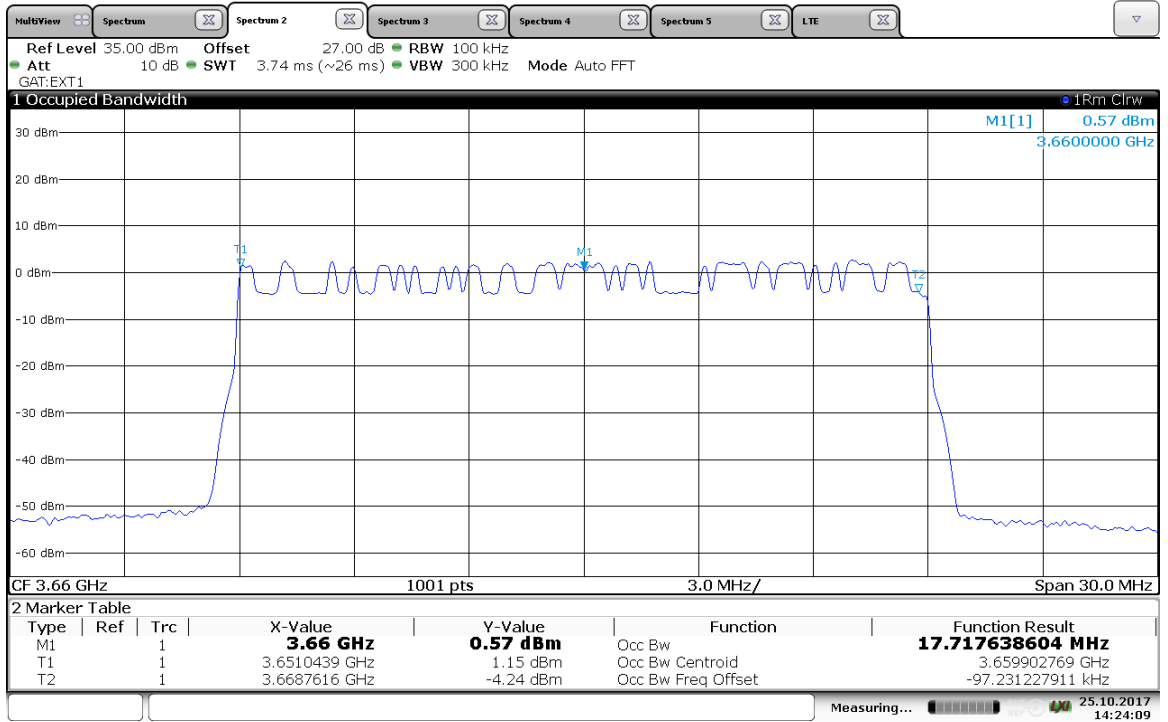
| Port | Carrier Freq. (MHz) | Occupied Bandwidth(MHz) | | |
|------|------------------------|-------------------------|--------|--------|
| | | QPSK | 16QAM | 64QAM |
| 2 | | 17.691 | 17.706 | 17.831 |
| 3 | | 17.692 | 17.707 | 17.831 |
| 4 | | 17.689 | 17.707 | 17.831 |
| 5 | | 17.689 | 17.707 | 17.831 |
| 6 | | 17.688 | 17.706 | 17.831 |
| 7 | | 17.688 | 17.705 | 17.831 |

Channel Bandwidth: 20+20+10M

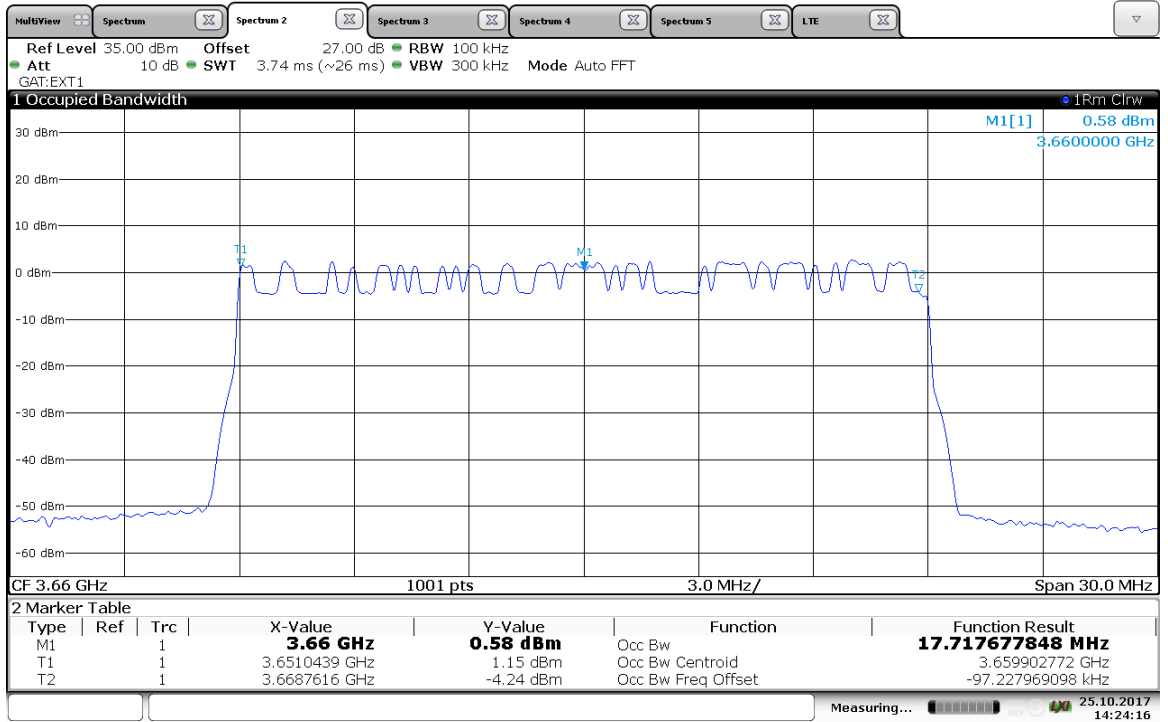
| Port | Carrier Freq. (MHz) | Occupied Bandwidth(MHz) | | |
|------|------------------------|-------------------------|--------|--------|
| | | QPSK | 16QAM | 64QAM |
| 0 | 3660+3680+3695 | 48.219 | 47.852 | 48.11 |
| 1 | | 48.219 | 47.851 | 48.109 |
| 2 | | 48.219 | 47.852 | 48.109 |
| 3 | | 48.219 | 47.851 | 48.108 |
| 4 | | 48.219 | 47.852 | 48.108 |
| 5 | | 48.219 | 47.851 | 48.109 |
| 6 | | 48.219 | 47.852 | 48.109 |
| 7 | | 48.219 | 47.852 | 48.109 |



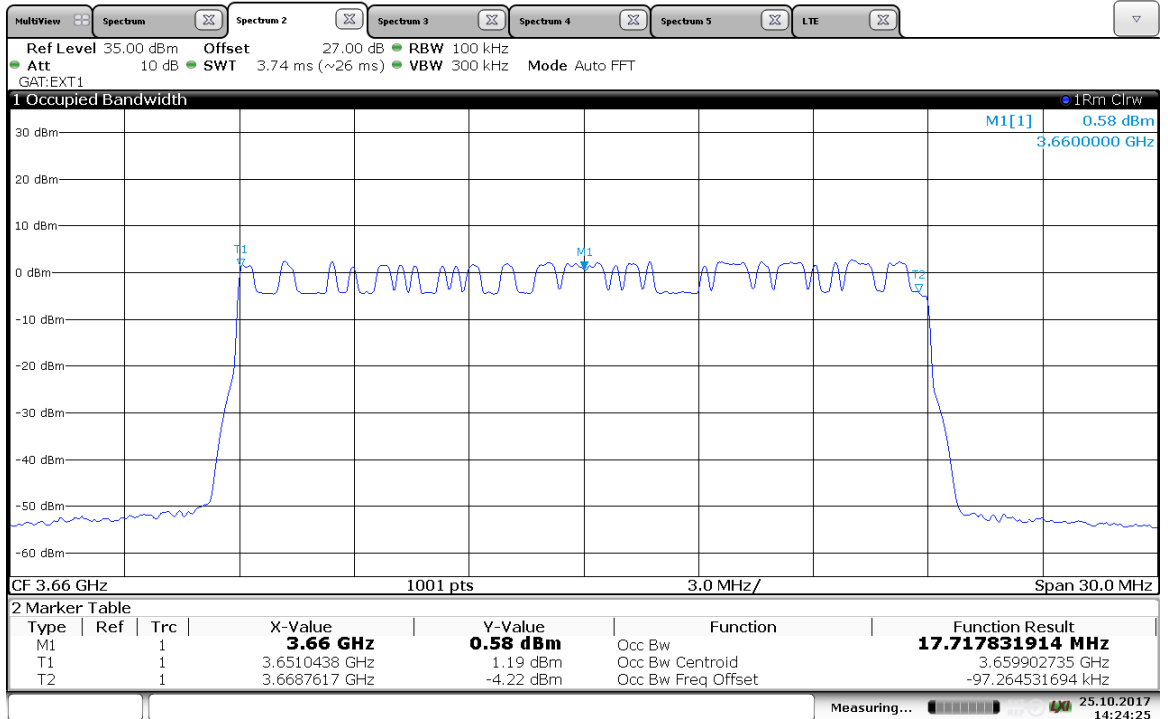
14:24:04 25.10.2017



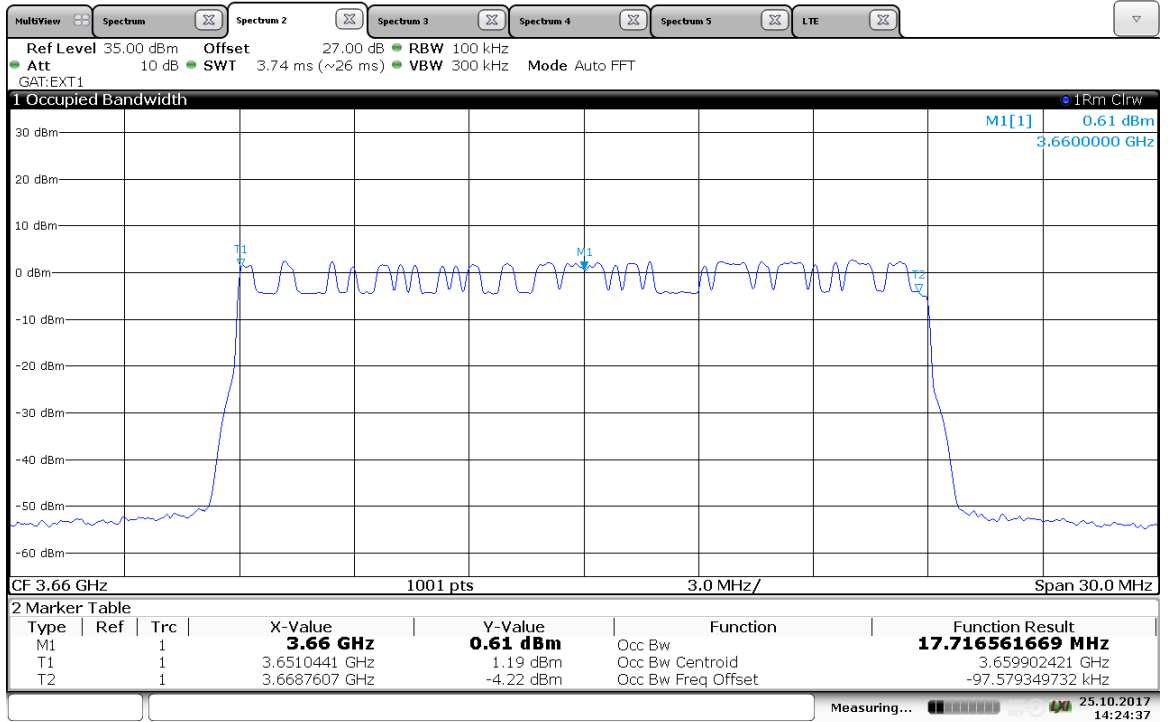
14:24:10 25.10.2017



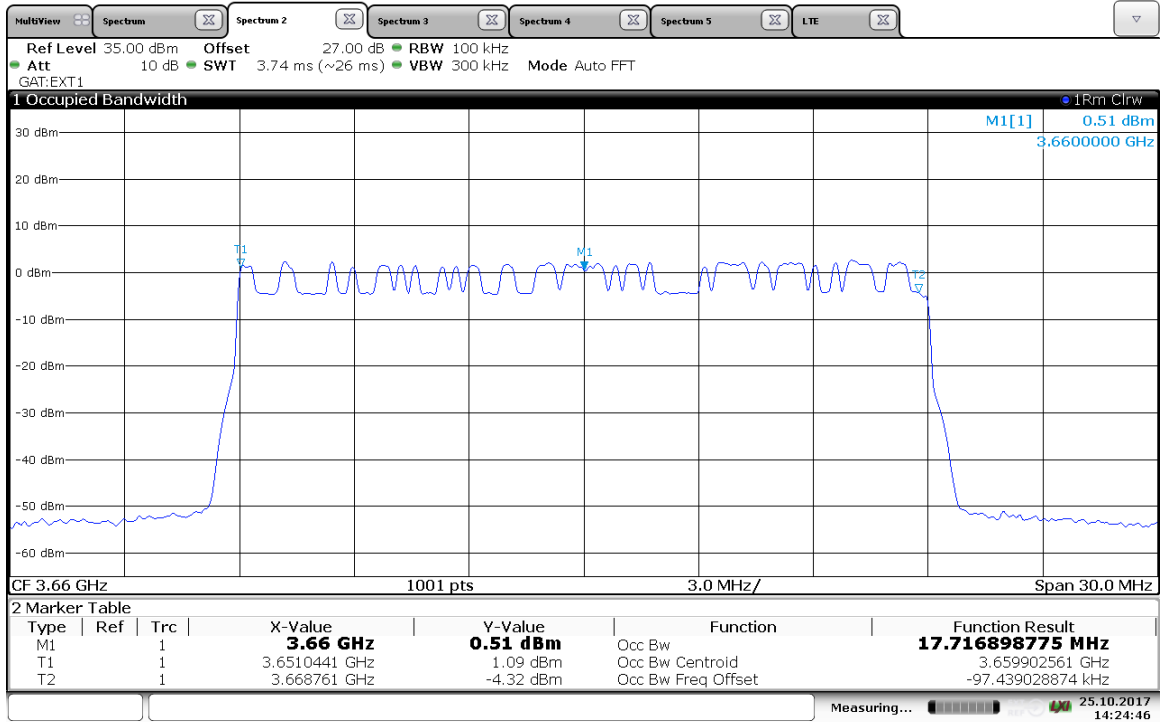
14:24:17 25.10.2017



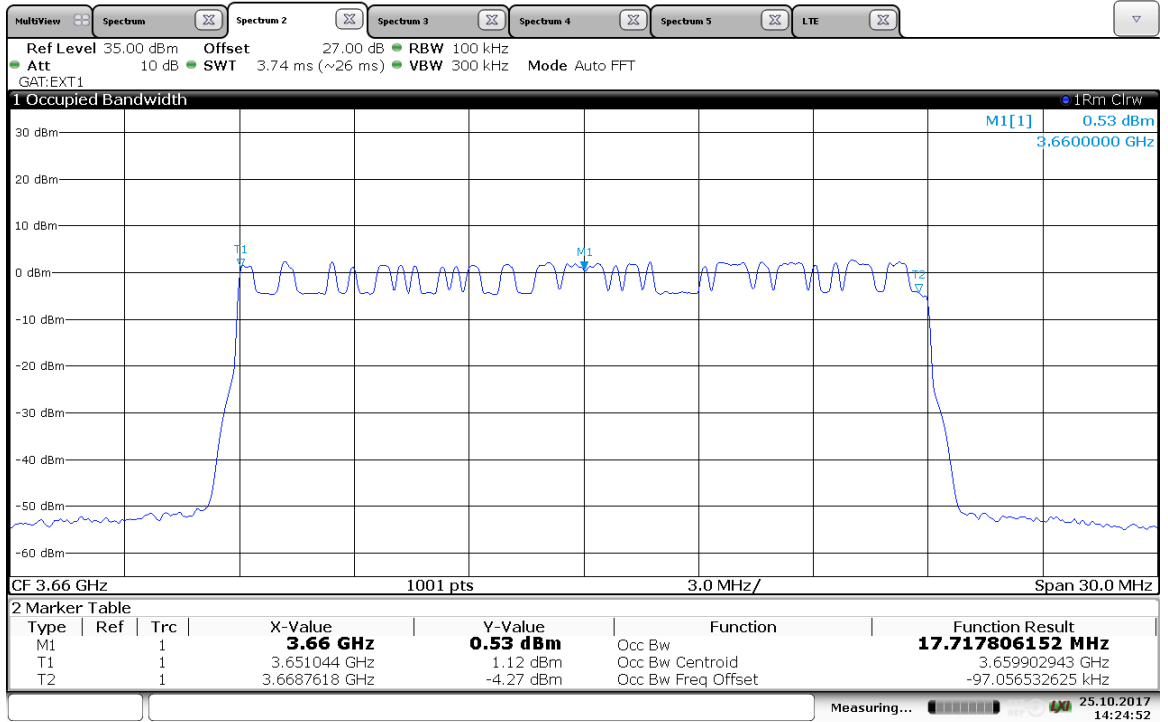
14:24:25 25.10.2017



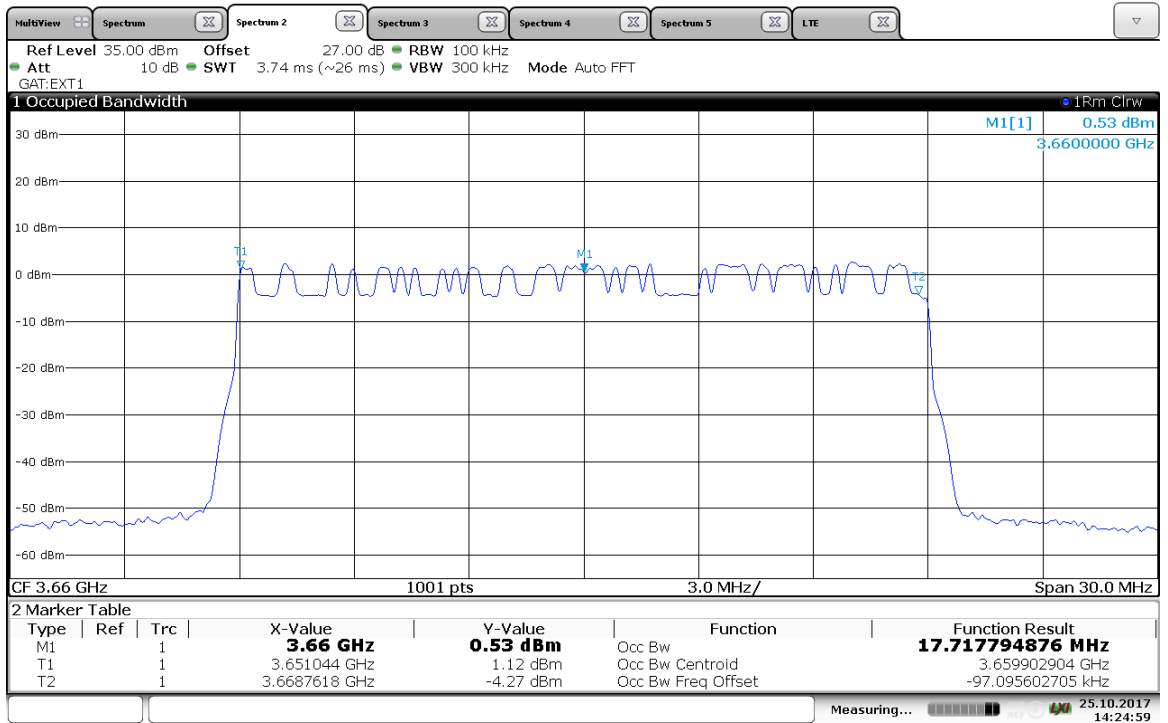
14:24:37 25.10.2017



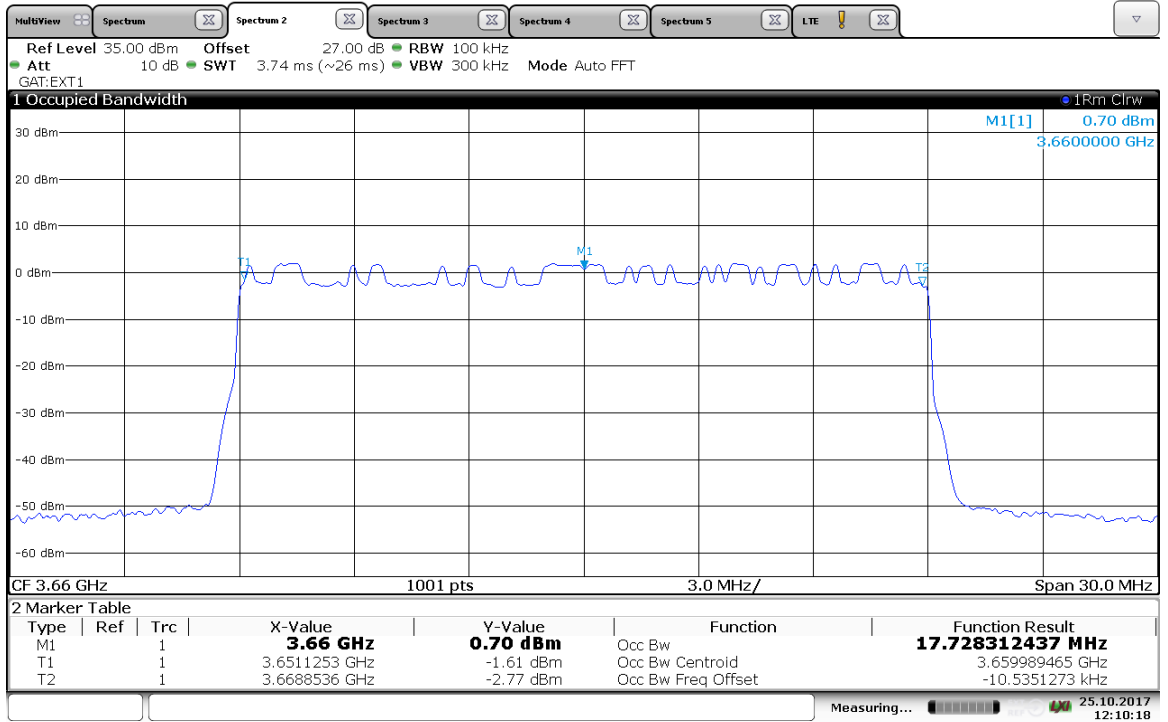
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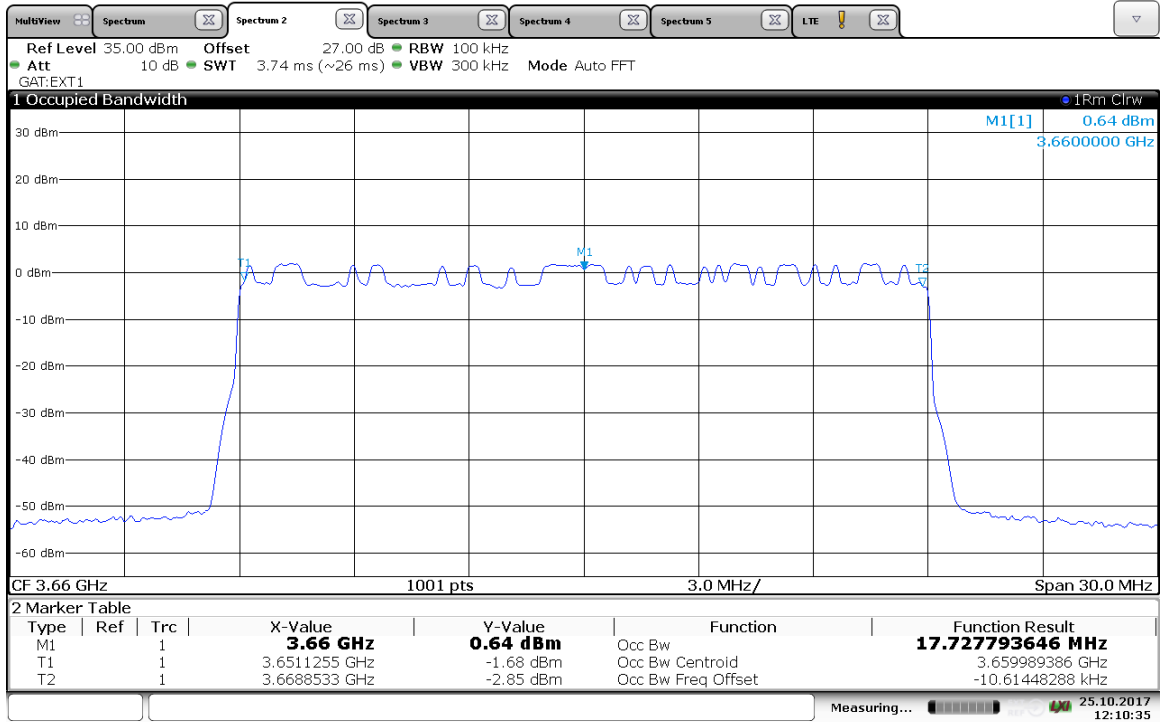
14:24:53 25.10.2017



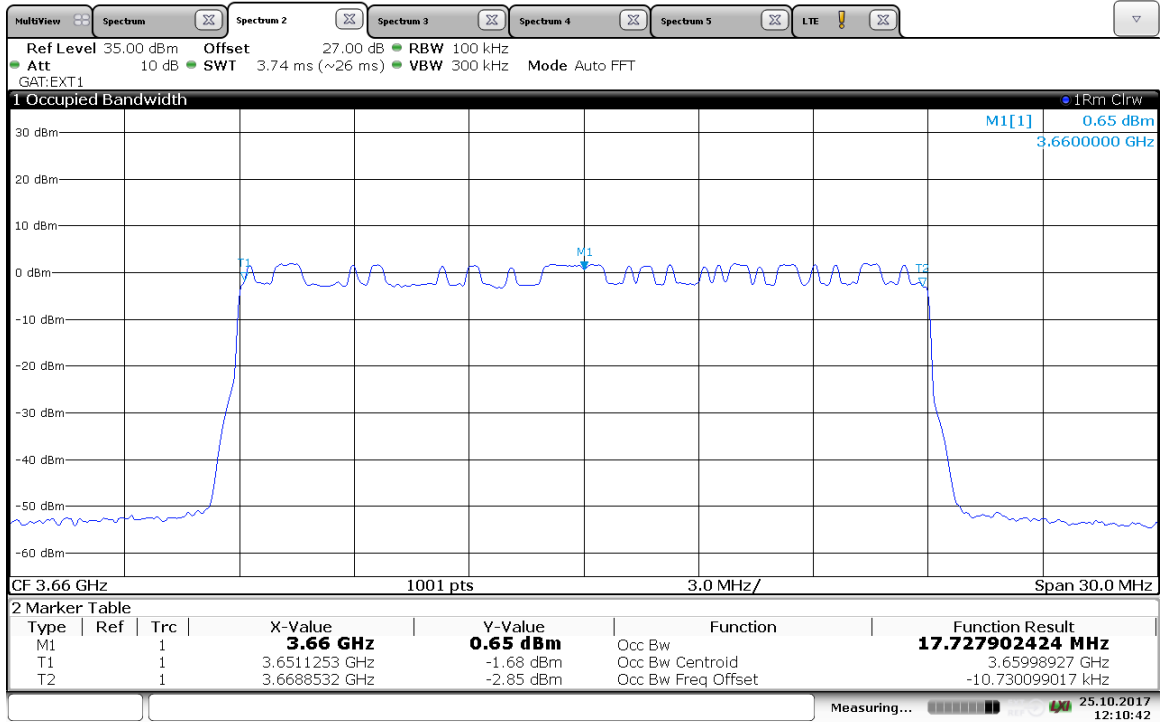
14:24:59 25.10.2017



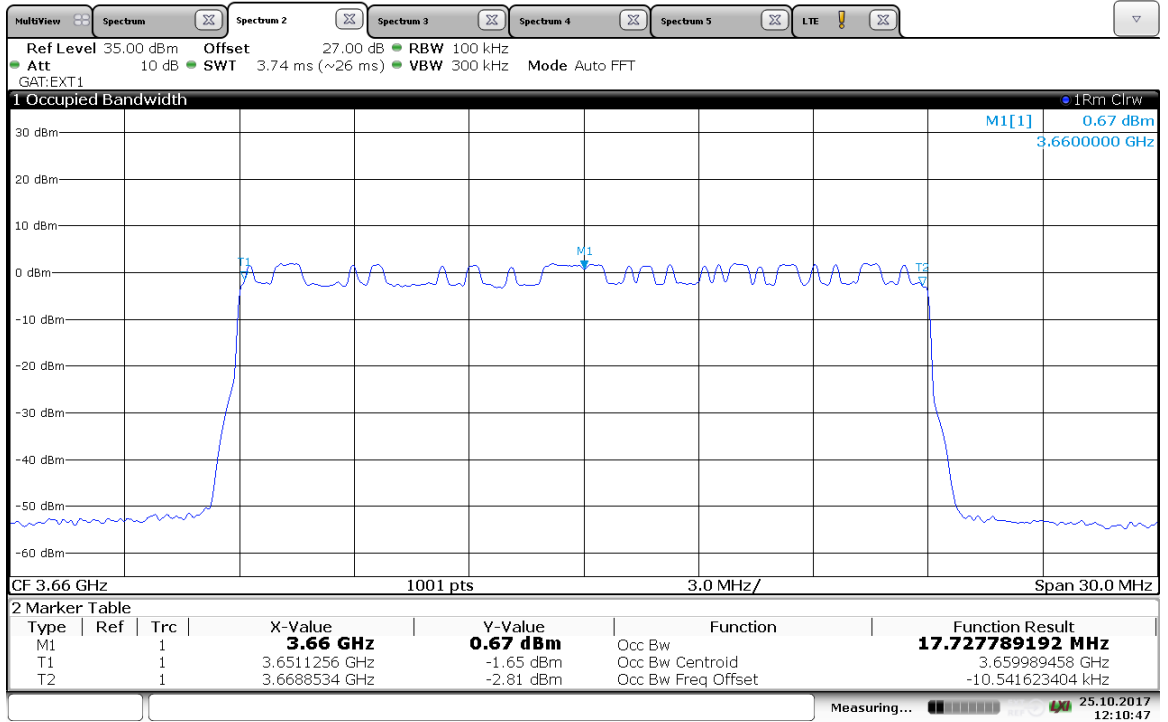
12:10:18 25.10.2017



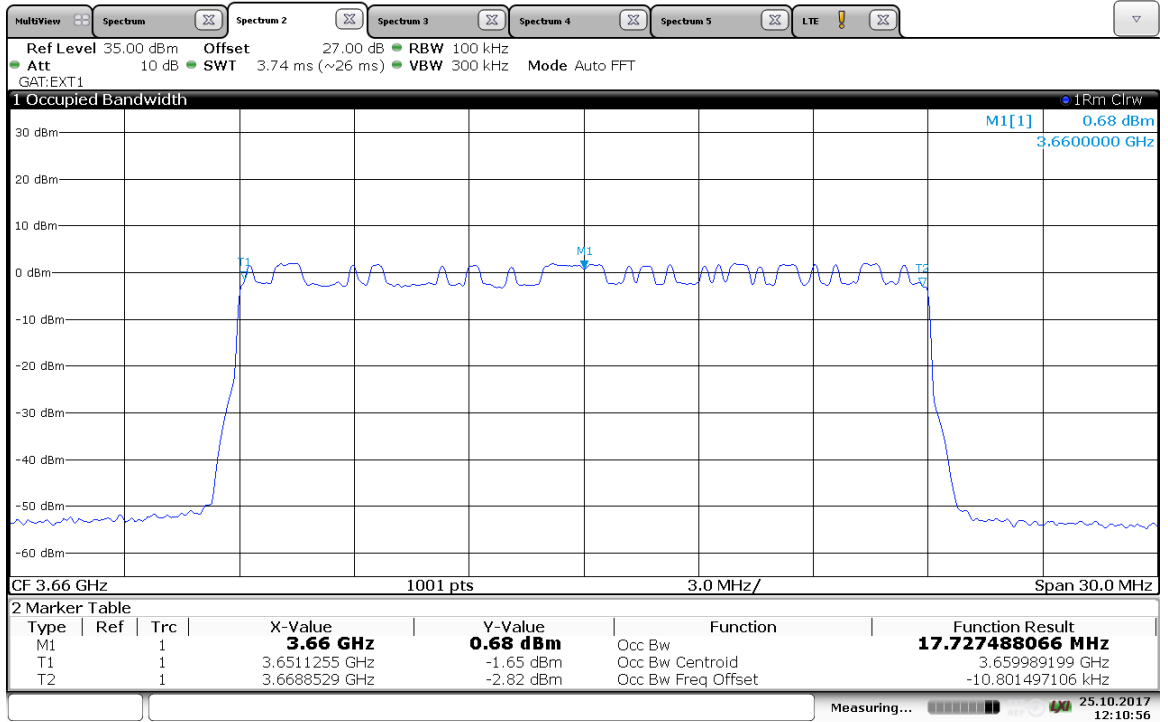
12:10:36 25.10.2017



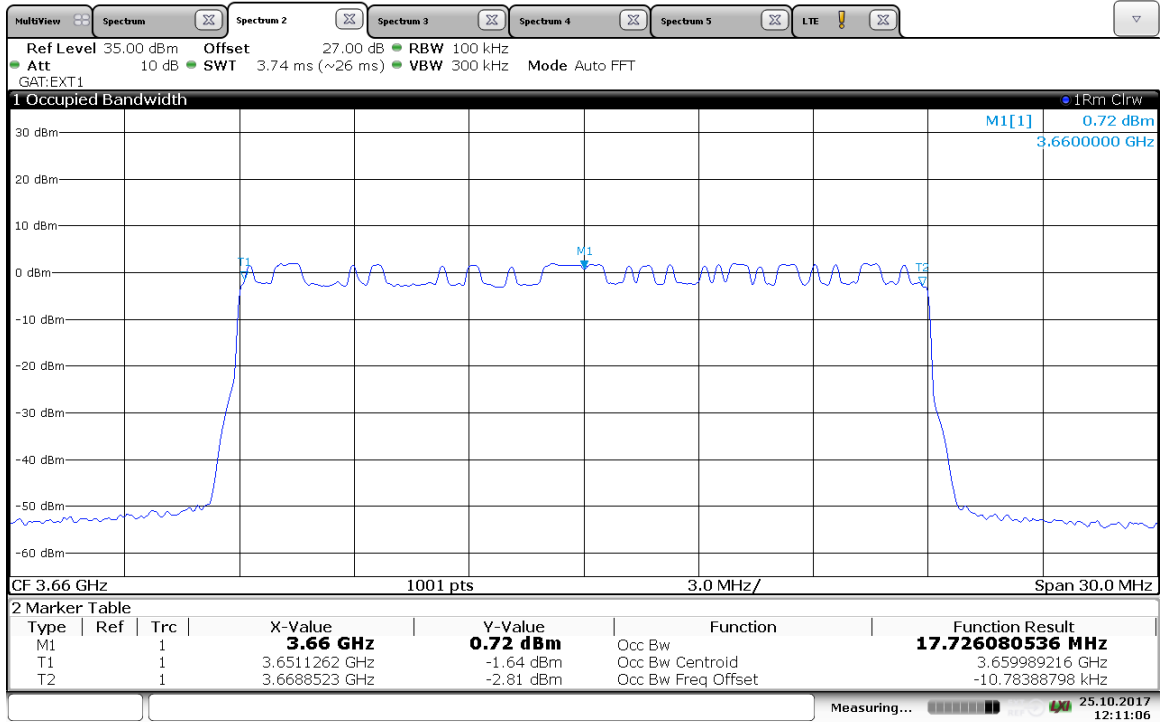
12:10:43 25.10.2017



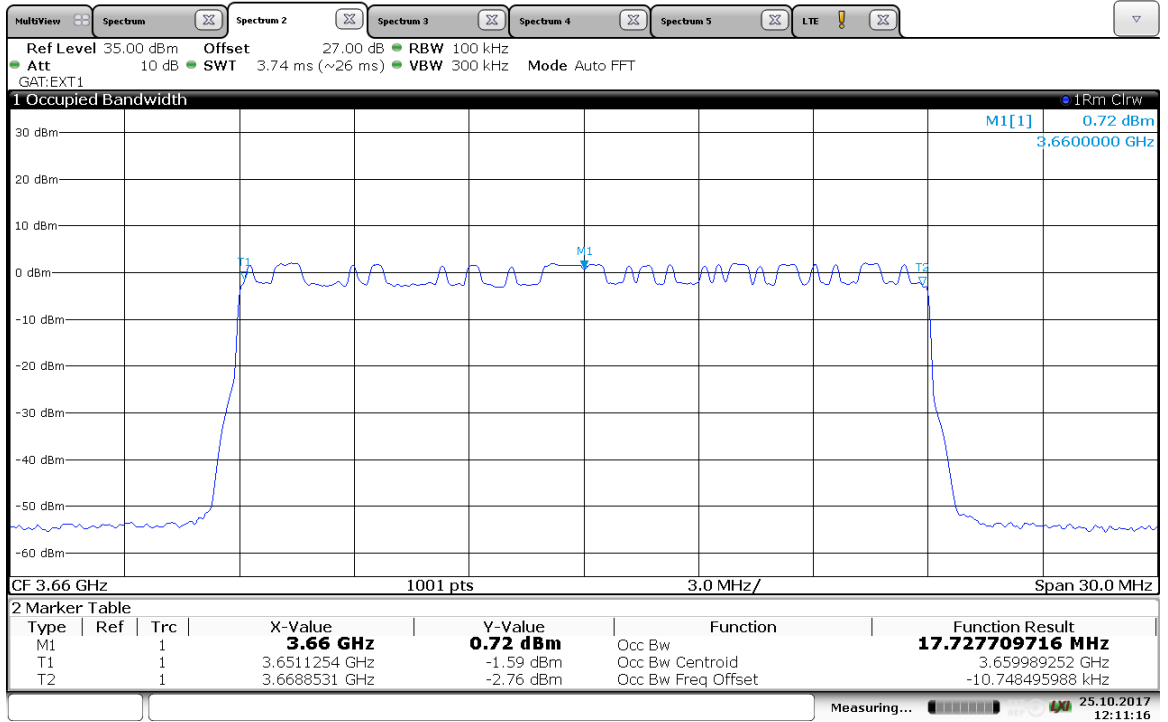
12:10:48 25.10.2017



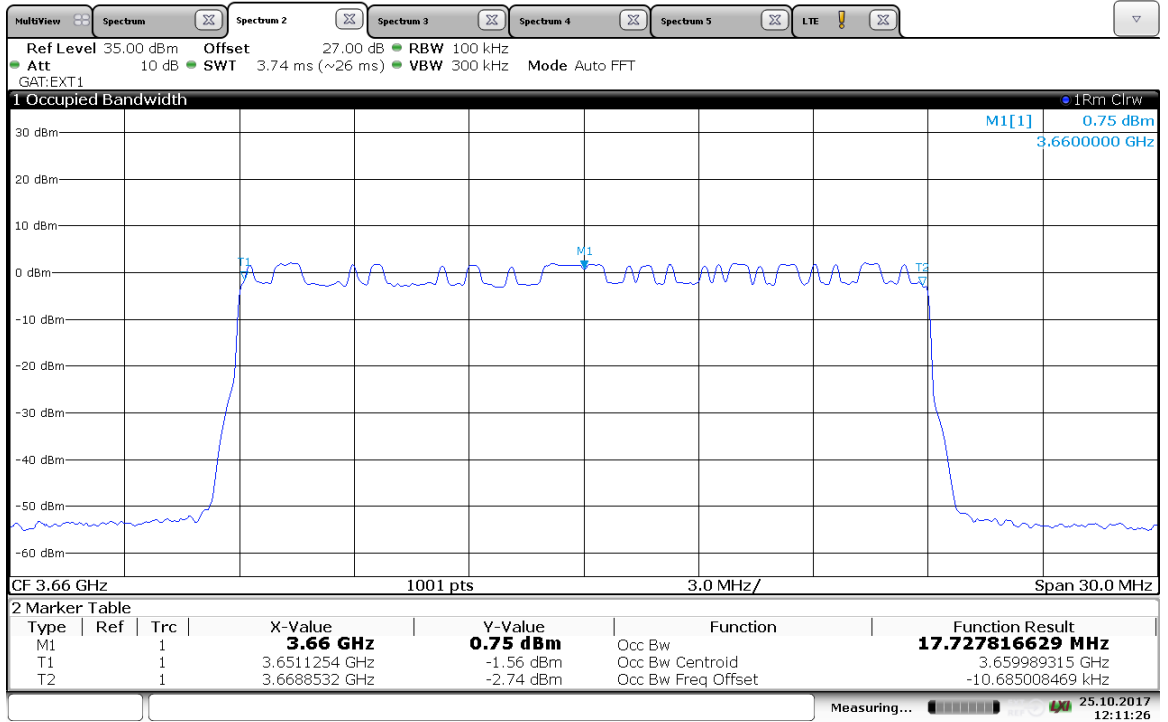
12:10:56 25.10.2017



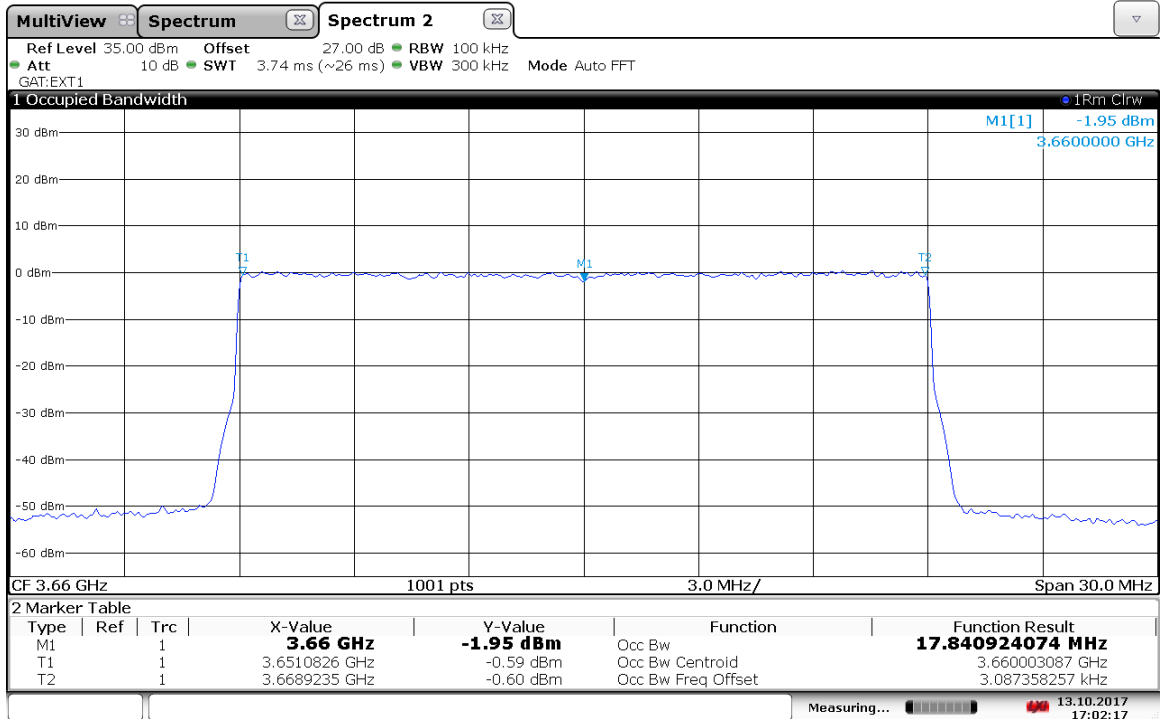
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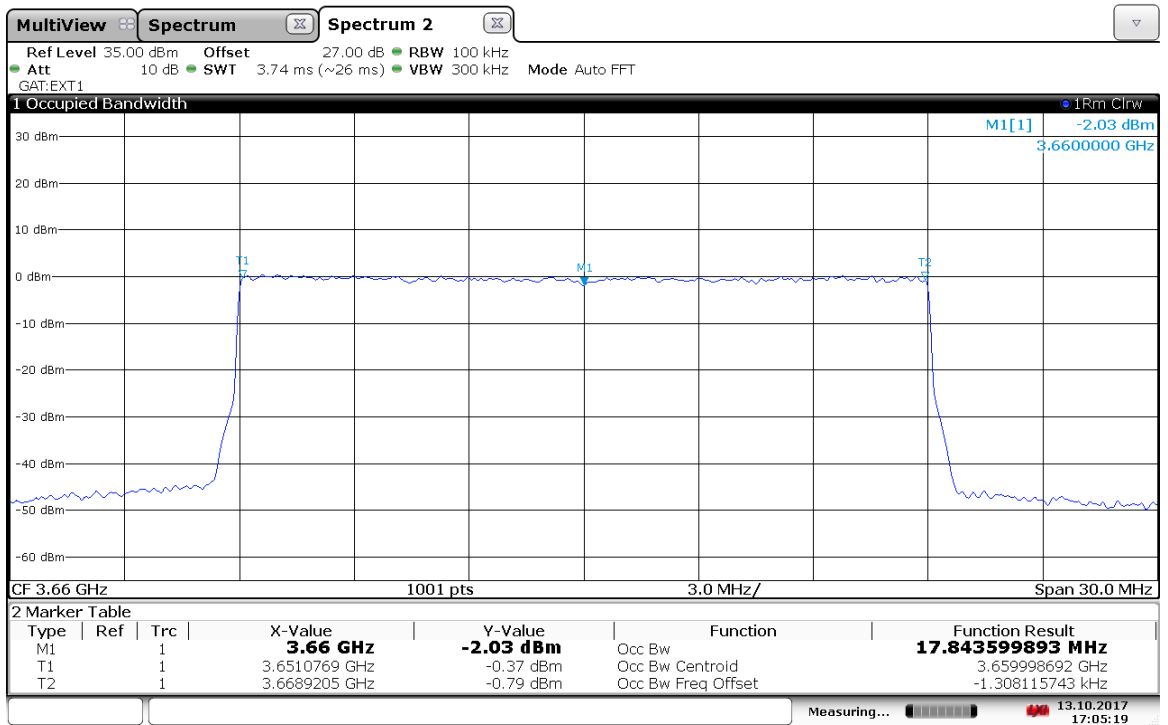
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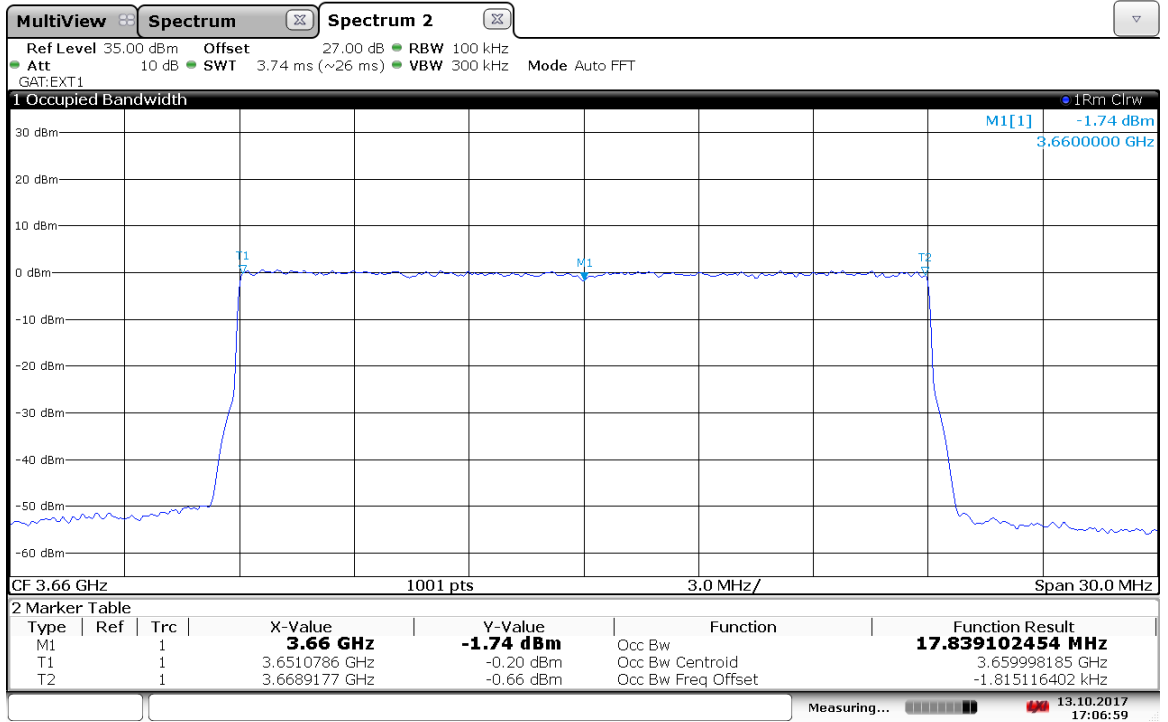
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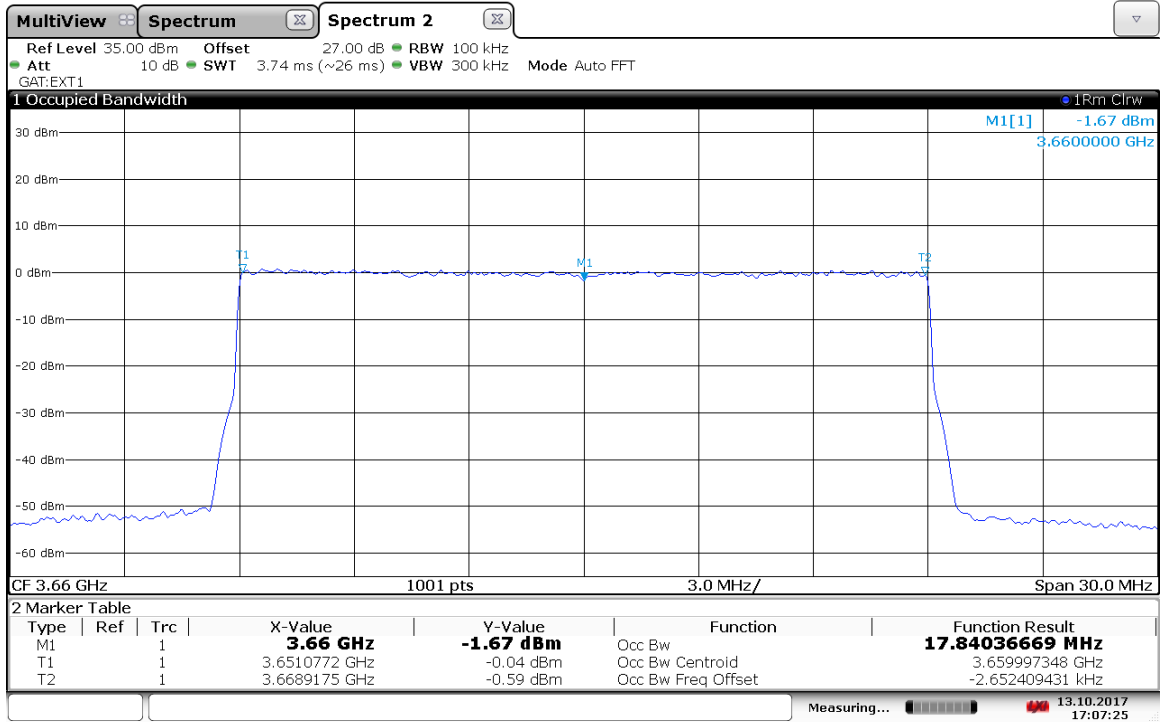
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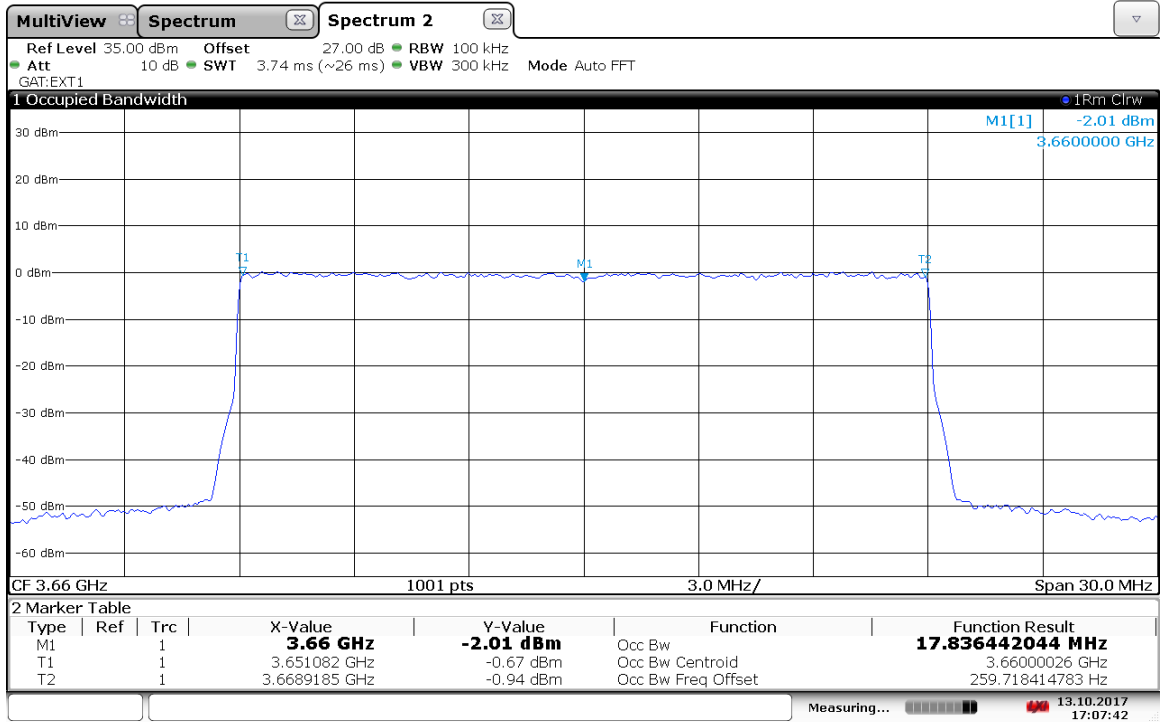
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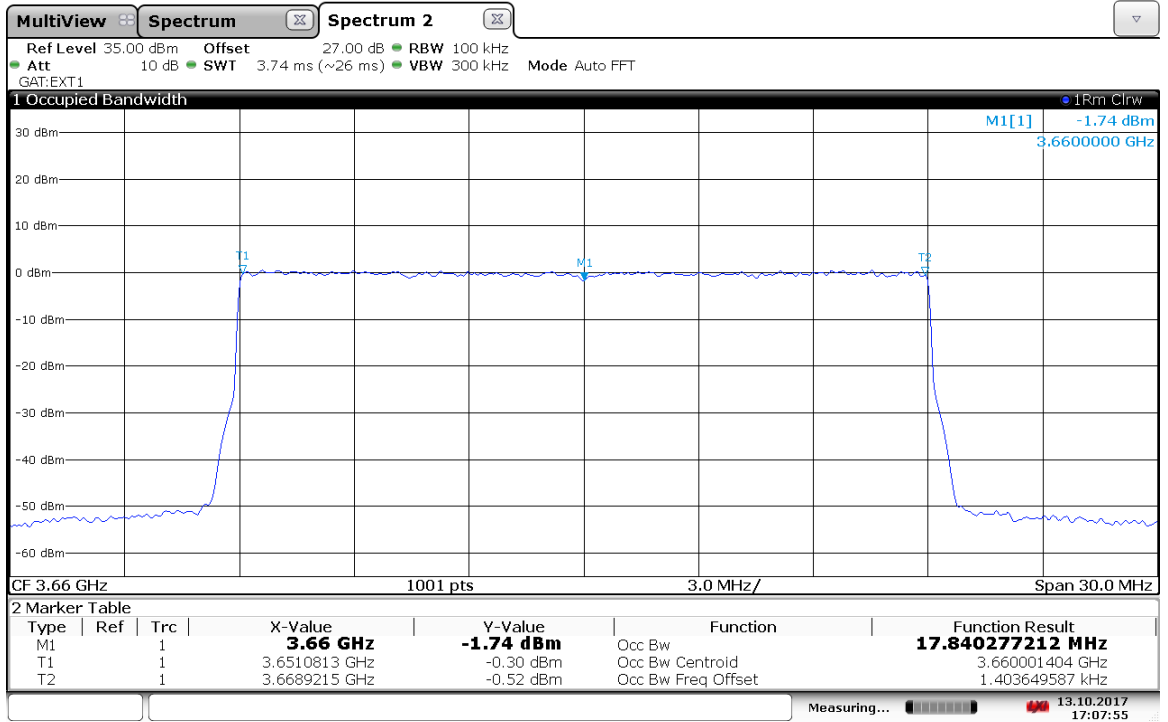
17:07:01 13.10.2017



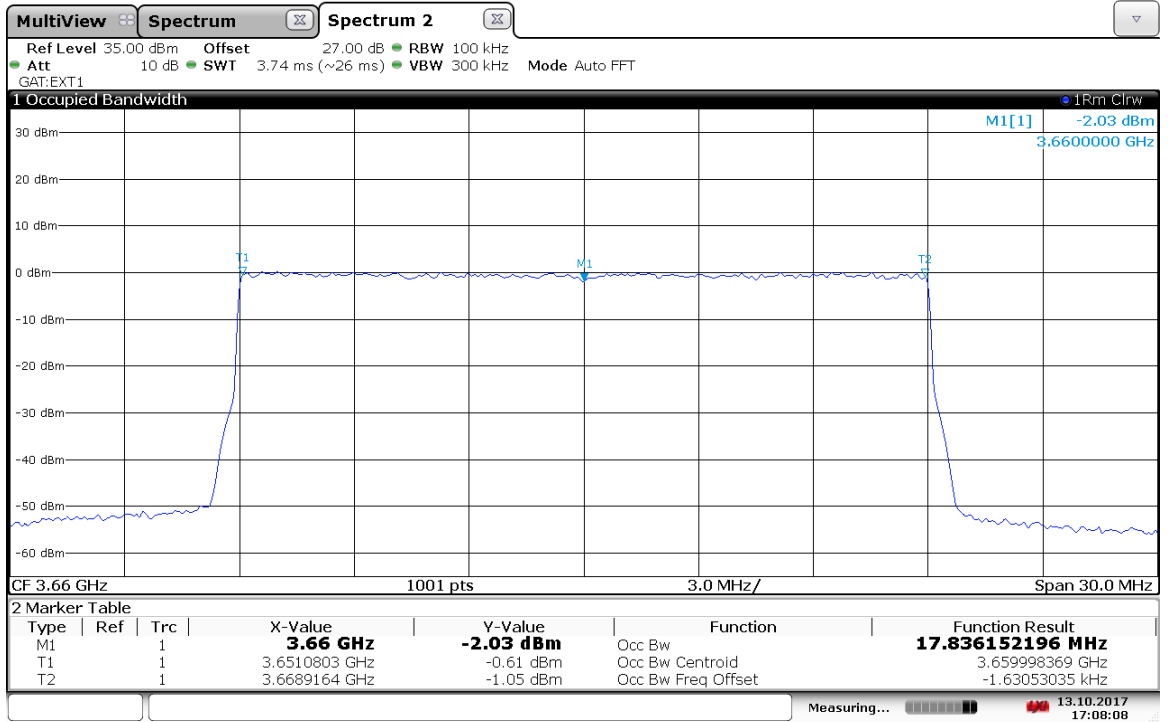
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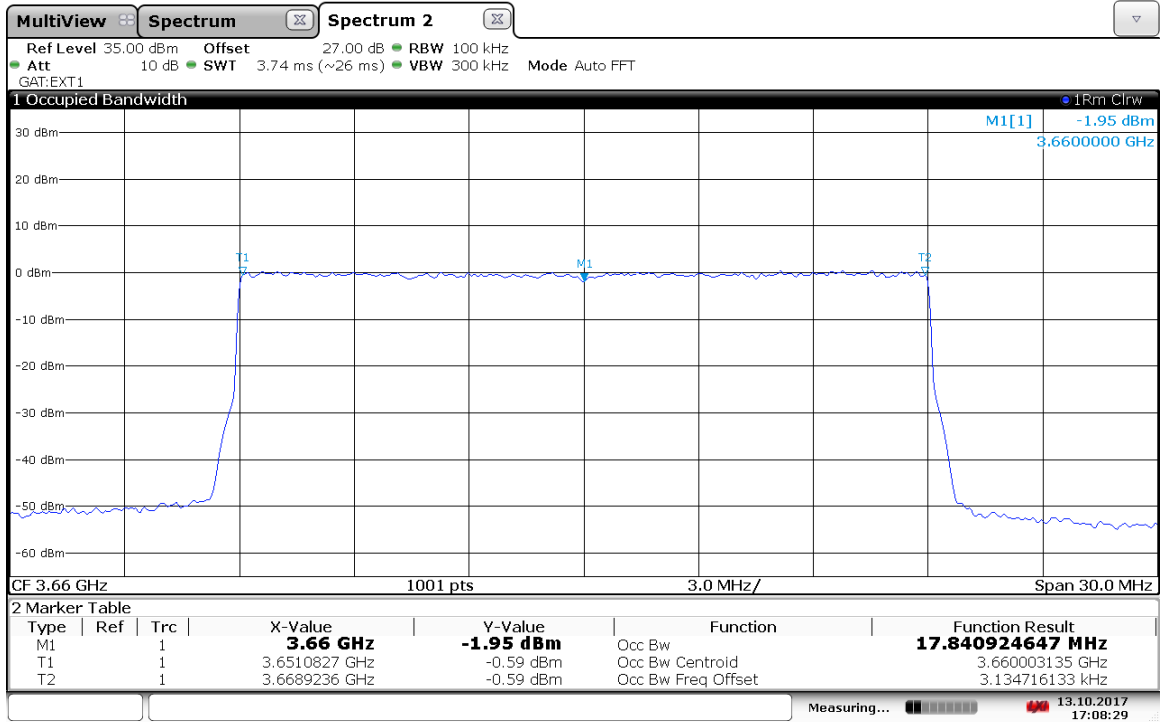
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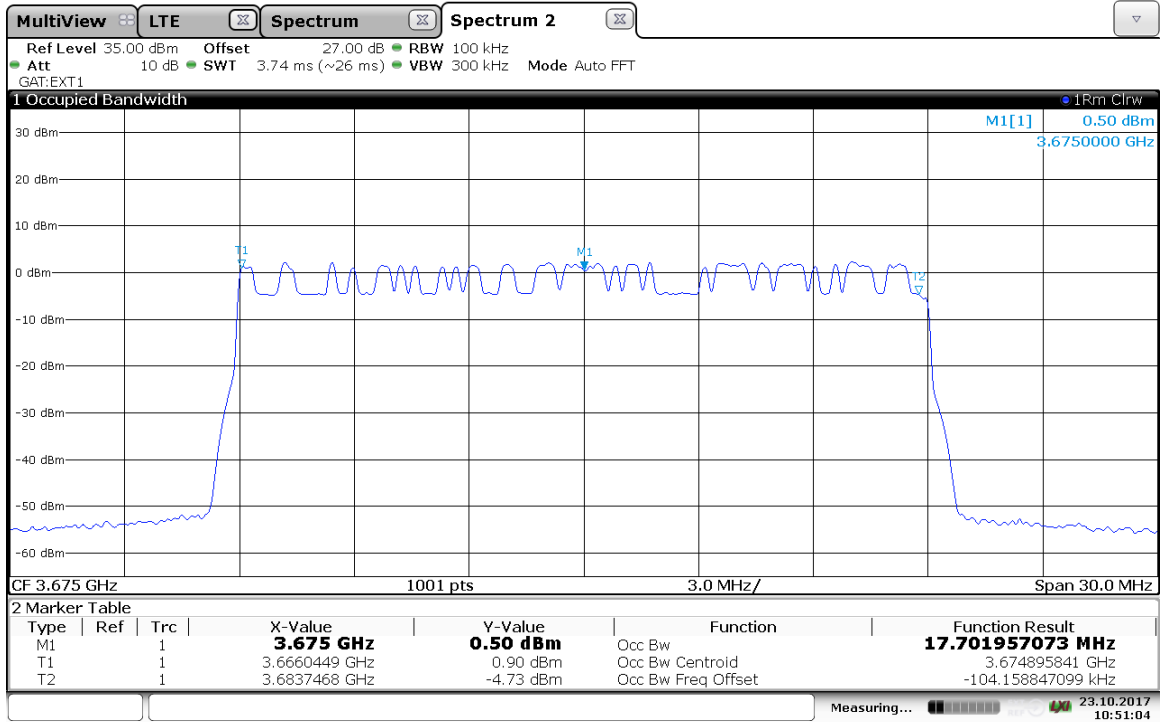
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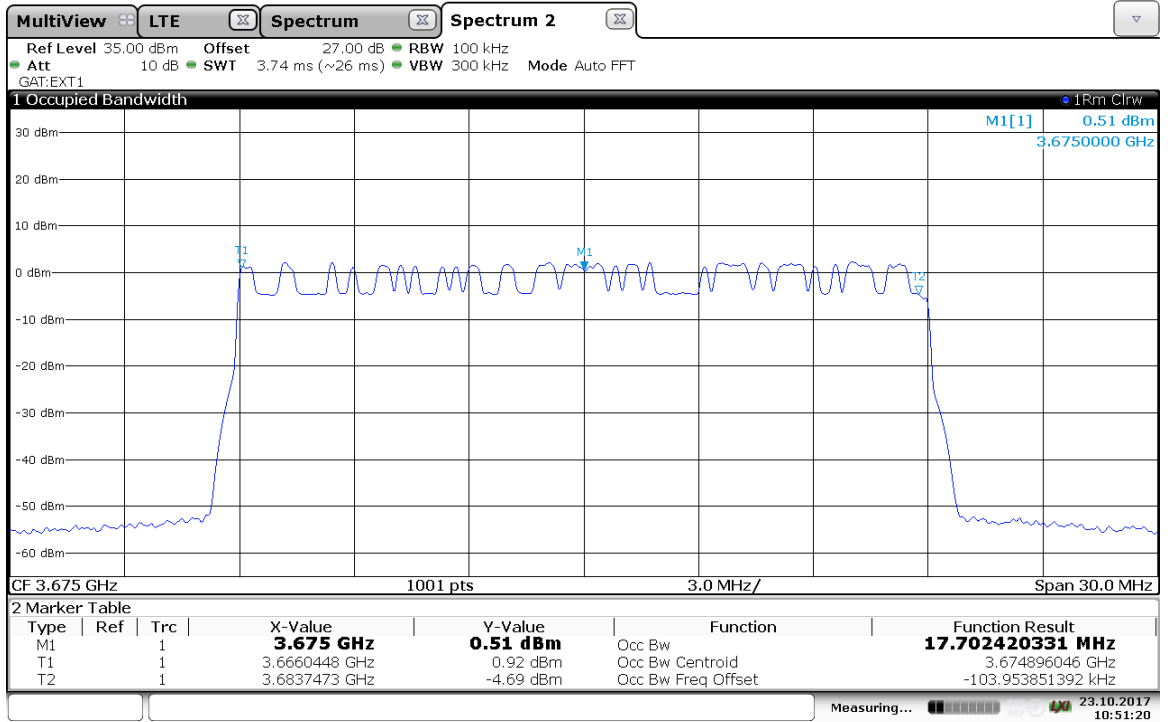
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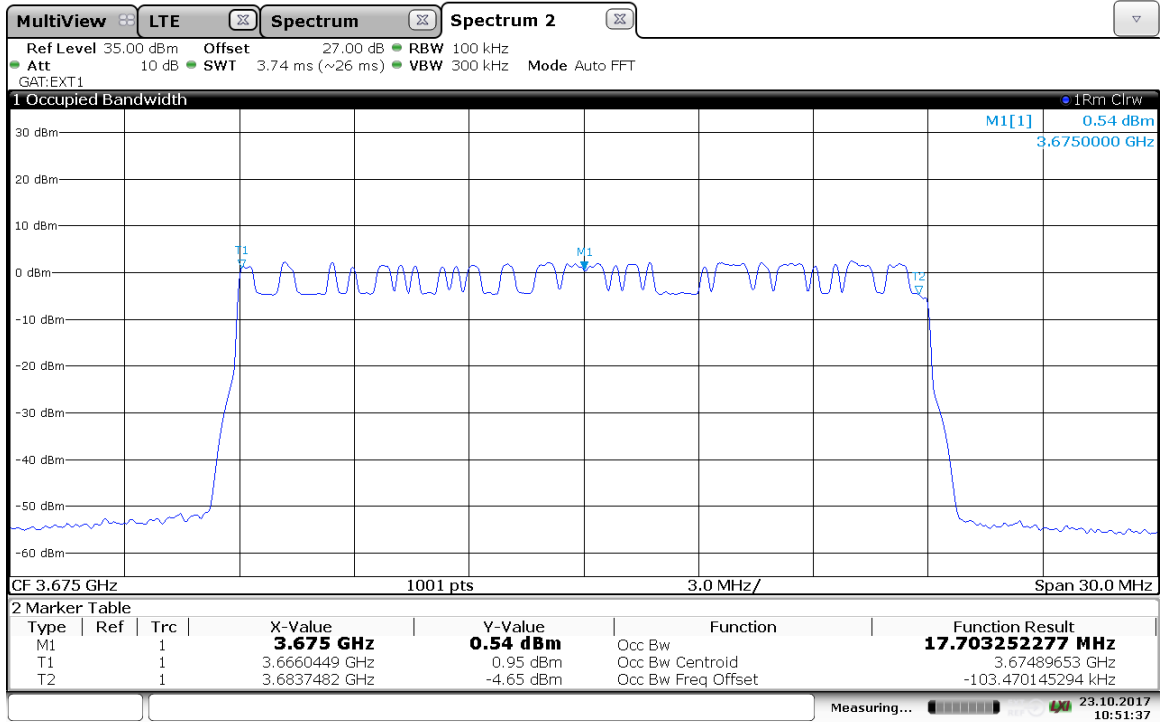
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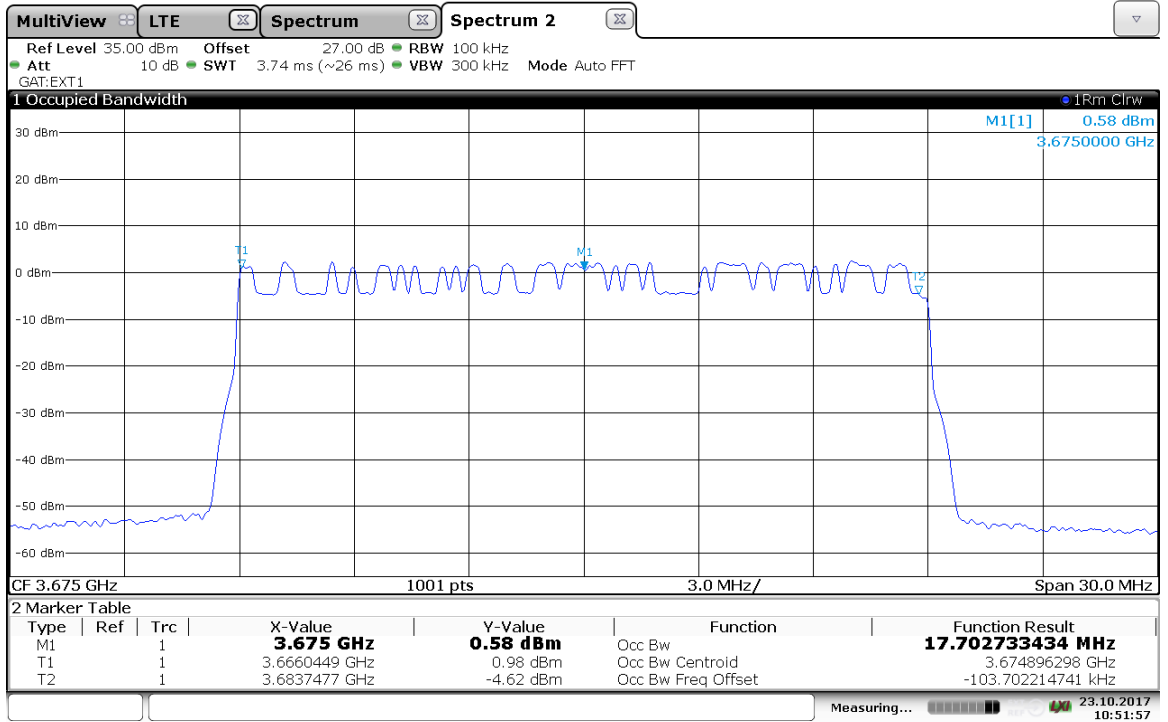
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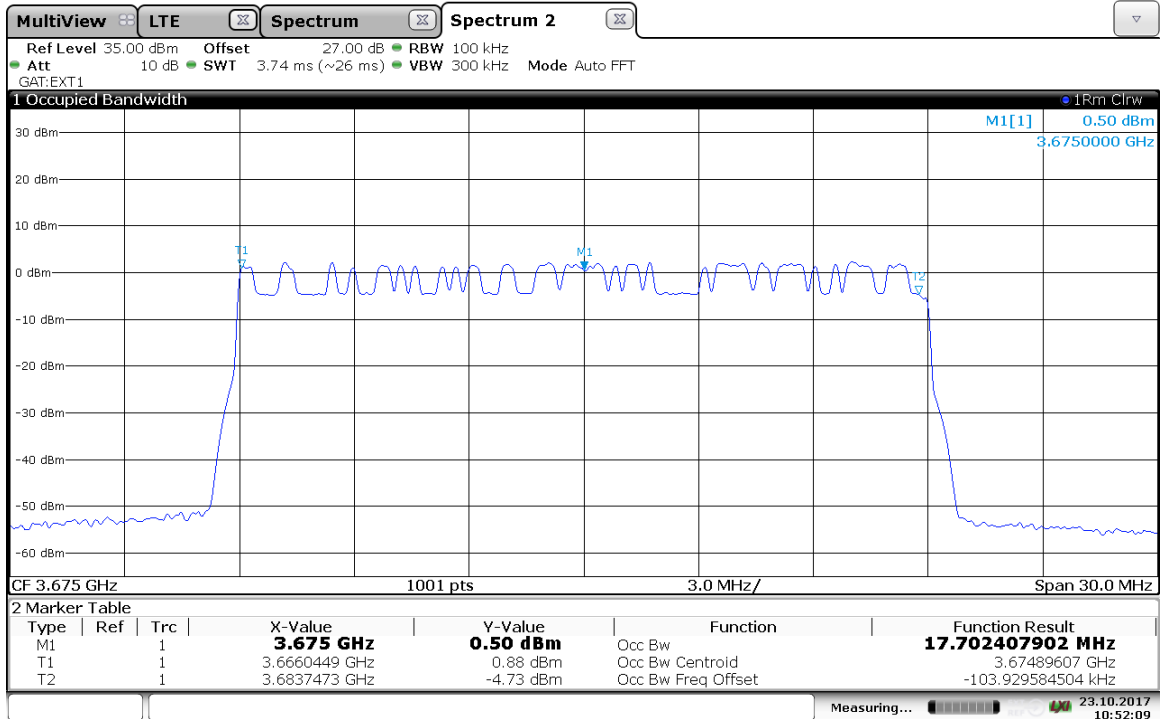
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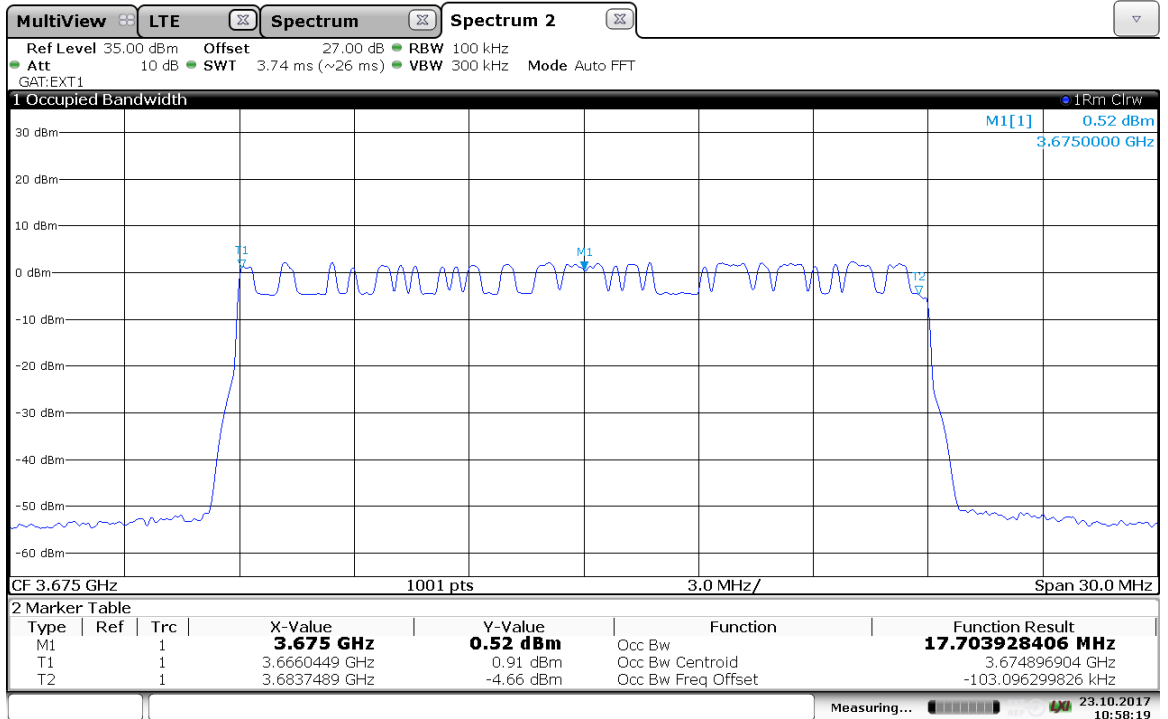
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10:51:58 23.10.2017



10:52:10 23.10.2017



10:58:19 23.10.2017