

## RF Test Data for LTE (Conducted Measurement)

**Product Name:** OMI public network intercom

**Trade Mark:** OMI

**Test Model:** OMI-M9

**FCC ID:** 2BK53-OMIM9

### Environmental Conditions

|                    |               |
|--------------------|---------------|
| Temperature:       | 23.8℃         |
| Relative Humidity: | 56%           |
| ATM Pressure:      | 100.0 kPa     |
| Test Engineer:     | Anna Hu       |
| Supervised by:     | Hugo Chen     |
| Remark:            | For LTE Band2 |

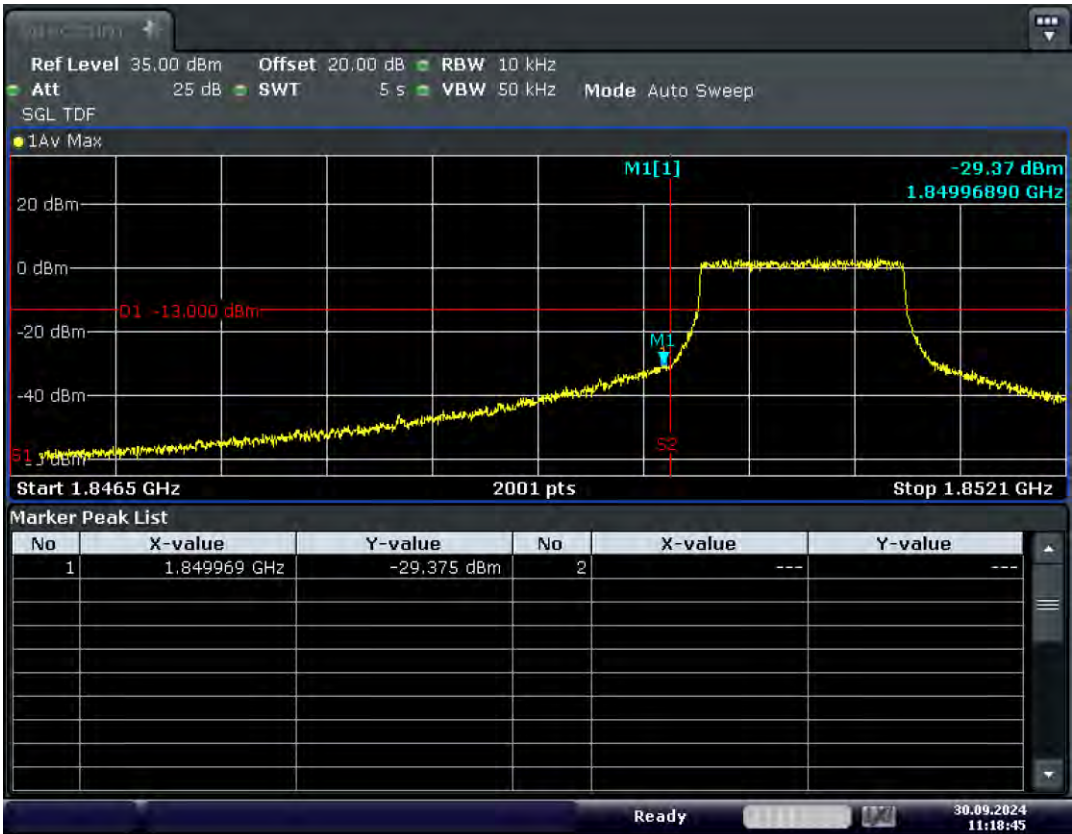
## Band Edge and Emission Mask

| Band  | Bandwidth(MHz) | UL Frequency(MHz) | Modulation | RB Size | RB Offset | Conclusion |
|-------|----------------|-------------------|------------|---------|-----------|------------|
| Band2 | 1.4            | 1850.7            | QPSK       | 6       | LOW       | Pass       |
| Band2 | 1.4            | 1850.7            | 16QAM      | 6       | LOW       | Pass       |
| Band2 | 1.4            | 1909.3            | QPSK       | 6       | LOW       | Pass       |
| Band2 | 1.4            | 1909.3            | 16QAM      | 6       | LOW       | Pass       |
| Band2 | 3              | 1851.5            | QPSK       | 15      | LOW       | Pass       |
| Band2 | 3              | 1851.5            | 16QAM      | 15      | LOW       | Pass       |
| Band2 | 3              | 1908.5            | QPSK       | 15      | LOW       | Pass       |
| Band2 | 3              | 1908.5            | 16QAM      | 15      | LOW       | Pass       |
| Band2 | 5              | 1852.5            | QPSK       | 25      | LOW       | Pass       |
| Band2 | 5              | 1852.5            | 16QAM      | 25      | LOW       | Pass       |
| Band2 | 5              | 1907.5            | QPSK       | 25      | LOW       | Pass       |
| Band2 | 5              | 1907.5            | 16QAM      | 25      | LOW       | Pass       |
| Band2 | 10             | 1855              | QPSK       | 50      | LOW       | Pass       |
| Band2 | 10             | 1855              | 16QAM      | 27      | LOW       | Pass       |
| Band2 | 10             | 1905              | QPSK       | 50      | LOW       | Pass       |
| Band2 | 10             | 1905              | 16QAM      | 27      | HIGH      | Pass       |
| Band2 | 15             | 1857.5            | QPSK       | 75      | LOW       | Pass       |
| Band2 | 15             | 1857.5            | 16QAM      | 27      | LOW       | Pass       |
| Band2 | 15             | 1902.5            | QPSK       | 75      | LOW       | Pass       |
| Band2 | 15             | 1902.5            | 16QAM      | 27      | HIGH      | Pass       |
| Band2 | 20             | 1860              | QPSK       | 100     | LOW       | Pass       |
| Band2 | 20             | 1860              | 16QAM      | 27      | LOW       | Pass       |
| Band2 | 20             | 1900              | QPSK       | 100     | LOW       | Pass       |
| Band2 | 20             | 1900              | 16QAM      | 27      | HIGH      | Pass       |

Band2-1.4-1850.7-QPSK-6#LOW@Pass



Band2-1.4-1850.7-16QAM-6#LOW@Pass



Band2-1.4-1909.3-QPSK-6#LOW@Pass



Band2-1.4-1909.3-16QAM-6#LOW@Pass



Band2-3-1851.5-QPSK-15#LOW@Pass



Band2-3-1851.5-16QAM-15#LOW@Pass



Band2-3-1908.5-QPSK-15#LOW@Pass



Band2-3-1908.5-16QAM-15#LOW@Pass



Band2-5-1852.5-QPSK-25#LOW@Pass



Band2-5-1852.5-16QAM-25#LOW@Pass



Band2-5-1907.5-QPSK-25#LOW@Pass



Band2-5-1907.5-16QAM-25#LOW@Pass



Band2-10-1855-QPSK-50#LOW@Pass



Band2-10-1855-16QAM-27#LOW@Pass



Band2-10-1905-QPSK-50#LOW@Pass



Band2-10-1905-16QAM-27#HIGH@Pass



## Band2-15-1857.5-QPSK-75#LOW@Pass



## Band2-15-1857.5-16QAM-27#LOW@Pass



Band2-15-1902.5-QPSK-75#LOW@Pass



Band2-15-1902.5-16QAM-27#HIGH@Pass



[illegible][illegible]

Band2-20-1900-QPSK-100#LOW@Pass



Band2-20-1900-16QAM-27#HIGH@Pass

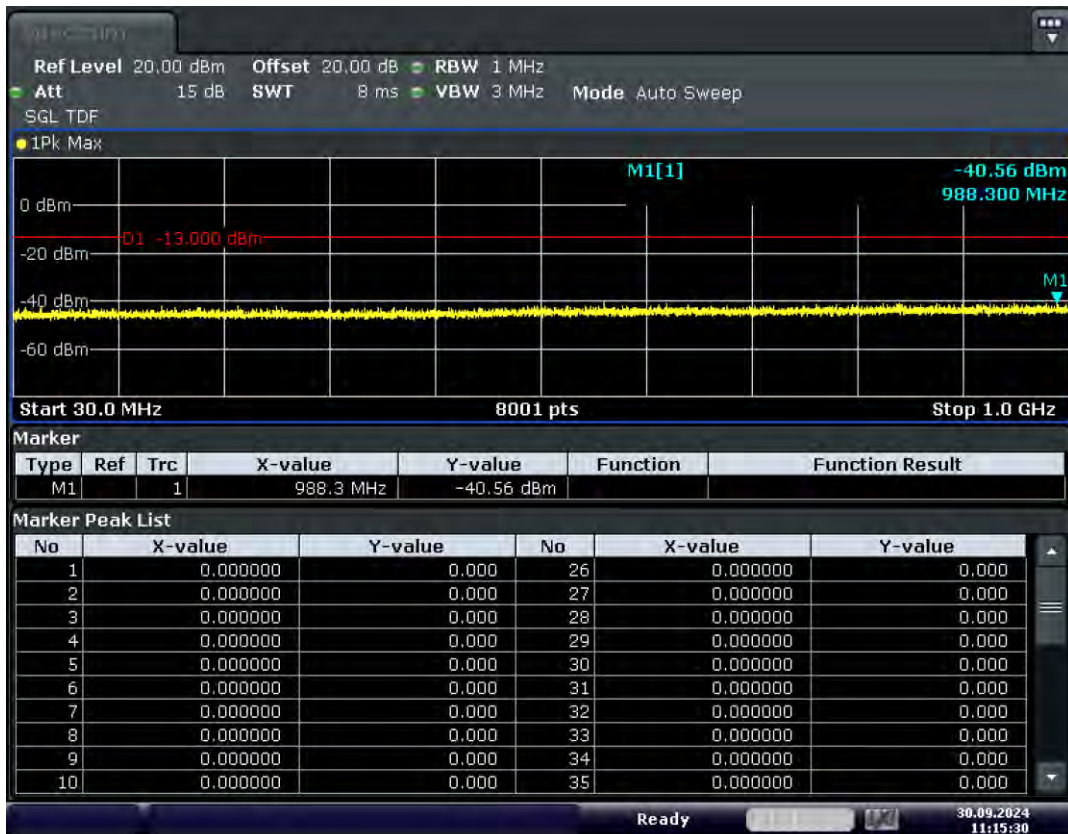


## Conducted Spurious Emission

| Band | Bandwidth(MHz) | UL<br>Frequency(MHz) | Modulation | RB Size | RB Offset | Test Condition | Transmitter<br>Spurious<br>Emission(Pass/Fail) |
|------|----------------|----------------------|------------|---------|-----------|----------------|------------------------------------------------|
| OB2  | 1.4            | 1850.7               | QPSK       | 6       | LOW       | 30mHz-1GHz     | Pass                                           |
| OB2  | 1.4            | 1850.7               | QPSK       | 6       | LOW       | 1GHz-7GHz      | Pass                                           |
| OB2  | 1.4            | 1850.7               | QPSK       | 6       | LOW       | 7GHz-13.6GHz   | Pass                                           |
| OB2  | 1.4            | 1850.7               | QPSK       | 6       | LOW       | 13.6GHz-20GHz  | Pass                                           |
| OB2  | 1.4            | 1880                 | QPSK       | 6       | LOW       | 30mHz-1GHz     | Pass                                           |
| OB2  | 1.4            | 1880                 | QPSK       | 6       | LOW       | 1GHz-7GHz      | Pass                                           |
| OB2  | 1.4            | 1880                 | QPSK       | 6       | LOW       | 7GHz-13.6GHz   | Pass                                           |
| OB2  | 1.4            | 1880                 | QPSK       | 6       | LOW       | 13.6GHz-20GHz  | Pass                                           |
| OB2  | 1.4            | 1909.3               | QPSK       | 6       | LOW       | 30mHz-1GHz     | Pass                                           |
| OB2  | 1.4            | 1909.3               | QPSK       | 6       | LOW       | 1GHz-7GHz      | Pass                                           |
| OB2  | 1.4            | 1909.3               | QPSK       | 6       | LOW       | 7GHz-13.6GHz   | Pass                                           |
| OB2  | 1.4            | 1909.3               | QPSK       | 6       | LOW       | 13.6GHz-20GHz  | Pass                                           |
| OB2  | 3              | 1851.5               | QPSK       | 15      | LOW       | 30mHz-1GHz     | Pass                                           |
| OB2  | 3              | 1851.5               | QPSK       | 15      | LOW       | 1GHz-7GHz      | Pass                                           |
| OB2  | 3              | 1851.5               | QPSK       | 15      | LOW       | 7GHz-13.6GHz   | Pass                                           |
| OB2  | 3              | 1851.5               | QPSK       | 15      | LOW       | 13.6GHz-20GHz  | Pass                                           |
| OB2  | 3              | 1880                 | QPSK       | 15      | LOW       | 30mHz-1GHz     | Pass                                           |
| OB2  | 3              | 1880                 | QPSK       | 15      | LOW       | 1GHz-7GHz      | Pass                                           |
| OB2  | 3              | 1880                 | QPSK       | 15      | LOW       | 7GHz-13.6GHz   | Pass                                           |
| OB2  | 3              | 1880                 | QPSK       | 15      | LOW       | 13.6GHz-20GHz  | Pass                                           |
| OB2  | 3              | 1908.5               | QPSK       | 15      | LOW       | 30mHz-1GHz     | Pass                                           |
| OB2  | 3              | 1908.5               | QPSK       | 15      | LOW       | 1GHz-7GHz      | Pass                                           |
| OB2  | 3              | 1908.5               | QPSK       | 15      | LOW       | 7GHz-13.6GHz   | Pass                                           |
| OB2  | 3              | 1908.5               | QPSK       | 15      | LOW       | 13.6GHz-20GHz  | Pass                                           |
| OB2  | 5              | 1852.5               | QPSK       | 25      | LOW       | 30mHz-1GHz     | Pass                                           |
| OB2  | 5              | 1852.5               | QPSK       | 25      | LOW       | 1GHz-7GHz      | Pass                                           |
| OB2  | 5              | 1852.5               | QPSK       | 25      | LOW       | 7GHz-13.6GHz   | Pass                                           |
| OB2  | 5              | 1852.5               | QPSK       | 25      | LOW       | 13.6GHz-20GHz  | Pass                                           |
| OB2  | 5              | 1880                 | QPSK       | 25      | LOW       | 30mHz-1GHz     | Pass                                           |
| OB2  | 5              | 1880                 | QPSK       | 25      | LOW       | 1GHz-7GHz      | Pass                                           |
| OB2  | 5              | 1880                 | QPSK       | 25      | LOW       | 7GHz-13.6GHz   | Pass                                           |
| OB2  | 5              | 1880                 | QPSK       | 25      | LOW       | 13.6GHz-20GHz  | Pass                                           |
| OB2  | 5              | 1907.5               | QPSK       | 25      | LOW       | 30mHz-1GHz     | Pass                                           |
| OB2  | 5              | 1907.5               | QPSK       | 25      | LOW       | 1GHz-7GHz      | Pass                                           |
| OB2  | 5              | 1907.5               | QPSK       | 25      | LOW       | 7GHz-13.6GHz   | Pass                                           |
| OB2  | 5              | 1907.5               | QPSK       | 25      | LOW       | 13.6GHz-20GHz  | Pass                                           |
| OB2  | 10             | 1855                 | QPSK       | 50      | LOW       | 30mHz-1GHz     | Pass                                           |
| OB2  | 10             | 1855                 | QPSK       | 50      | LOW       | 1GHz-7GHz      | Pass                                           |
| OB2  | 10             | 1855                 | QPSK       | 50      | LOW       | 7GHz-13.6GHz   | Pass                                           |
| OB2  | 10             | 1855                 | QPSK       | 50      | LOW       | 13.6GHz-20GHz  | Pass                                           |

|     |    |        |      |     |     |               |      |
|-----|----|--------|------|-----|-----|---------------|------|
| OB2 | 10 | 1880   | QPSK | 50  | LOW | 30mHz-1GHz    | Pass |
| OB2 | 10 | 1880   | QPSK | 50  | LOW | 1GHz-7GHz     | Pass |
| OB2 | 10 | 1880   | QPSK | 50  | LOW | 7GHz-13.6GHz  | Pass |
| OB2 | 10 | 1880   | QPSK | 50  | LOW | 13.6GHz-20GHz | Pass |
| OB2 | 10 | 1905   | QPSK | 50  | LOW | 30mHz-1GHz    | Pass |
| OB2 | 10 | 1905   | QPSK | 50  | LOW | 1GHz-7GHz     | Pass |
| OB2 | 10 | 1905   | QPSK | 50  | LOW | 7GHz-13.6GHz  | Pass |
| OB2 | 10 | 1905   | QPSK | 50  | LOW | 13.6GHz-20GHz | Pass |
| OB2 | 15 | 1857.5 | QPSK | 75  | LOW | 30mHz-1GHz    | Pass |
| OB2 | 15 | 1857.5 | QPSK | 75  | LOW | 1GHz-7GHz     | Pass |
| OB2 | 15 | 1857.5 | QPSK | 75  | LOW | 7GHz-13.6GHz  | Pass |
| OB2 | 15 | 1857.5 | QPSK | 75  | LOW | 13.6GHz-20GHz | Pass |
| OB2 | 15 | 1880   | QPSK | 75  | LOW | 30mHz-1GHz    | Pass |
| OB2 | 15 | 1880   | QPSK | 75  | LOW | 1GHz-7GHz     | Pass |
| OB2 | 15 | 1880   | QPSK | 75  | LOW | 7GHz-13.6GHz  | Pass |
| OB2 | 15 | 1880   | QPSK | 75  | LOW | 13.6GHz-20GHz | Pass |
| OB2 | 15 | 1902.5 | QPSK | 75  | LOW | 30mHz-1GHz    | Pass |
| OB2 | 15 | 1902.5 | QPSK | 75  | LOW | 1GHz-7GHz     | Pass |
| OB2 | 15 | 1902.5 | QPSK | 75  | LOW | 7GHz-13.6GHz  | Pass |
| OB2 | 15 | 1902.5 | QPSK | 75  | LOW | 13.6GHz-20GHz | Pass |
| OB2 | 20 | 1860   | QPSK | 100 | LOW | 30mHz-1GHz    | Pass |
| OB2 | 20 | 1860   | QPSK | 100 | LOW | 1GHz-7GHz     | Pass |
| OB2 | 20 | 1860   | QPSK | 100 | LOW | 7GHz-13.6GHz  | Pass |
| OB2 | 20 | 1860   | QPSK | 100 | LOW | 13.6GHz-20GHz | Pass |
| OB2 | 20 | 1880   | QPSK | 100 | LOW | 30mHz-1GHz    | Pass |
| OB2 | 20 | 1880   | QPSK | 100 | LOW | 1GHz-7GHz     | Pass |
| OB2 | 20 | 1880   | QPSK | 100 | LOW | 7GHz-13.6GHz  | Pass |
| OB2 | 20 | 1880   | QPSK | 100 | LOW | 13.6GHz-20GHz | Pass |
| OB2 | 20 | 1900   | QPSK | 100 | LOW | 30mHz-1GHz    | Pass |
| OB2 | 20 | 1900   | QPSK | 100 | LOW | 1GHz-7GHz     | Pass |
| OB2 | 20 | 1900   | QPSK | 100 | LOW | 7GHz-13.6GHz  | Pass |
| OB2 | 20 | 1900   | QPSK | 100 | LOW | 13.6GHz-20GHz | Pass |

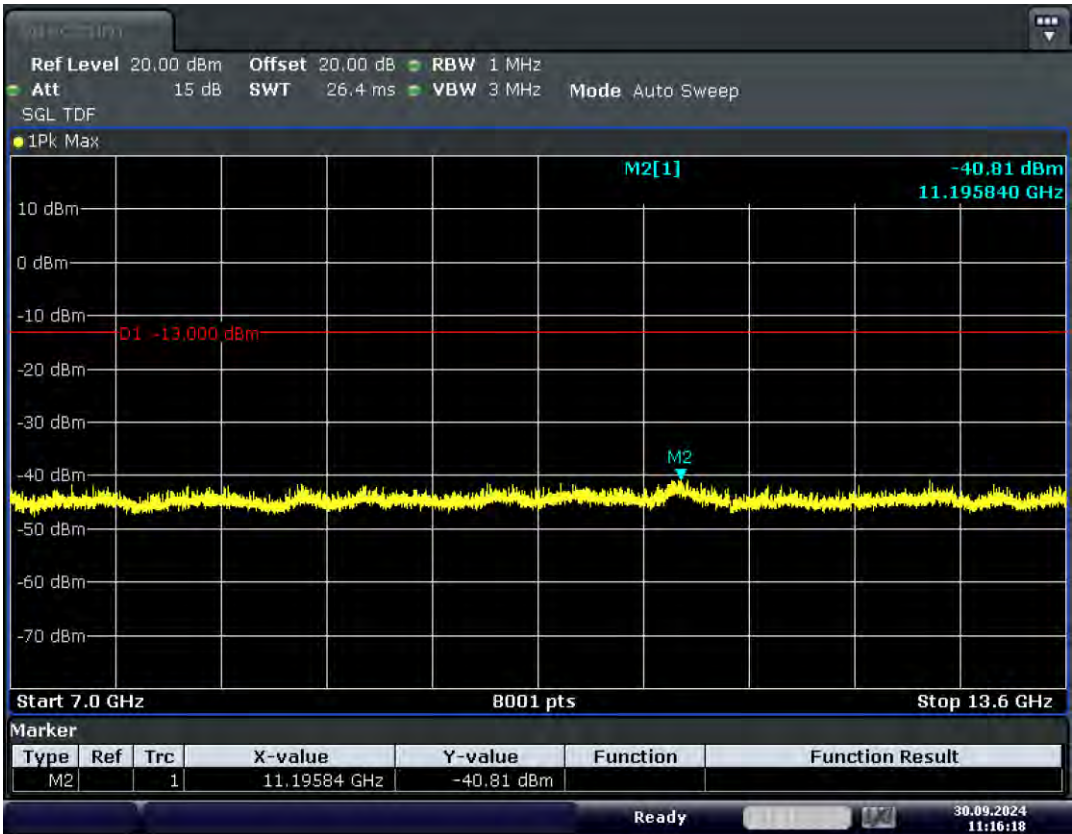
## OB2-1.4-1850.7-QPSK-6#LOW@30mHz-1GHz@Pass



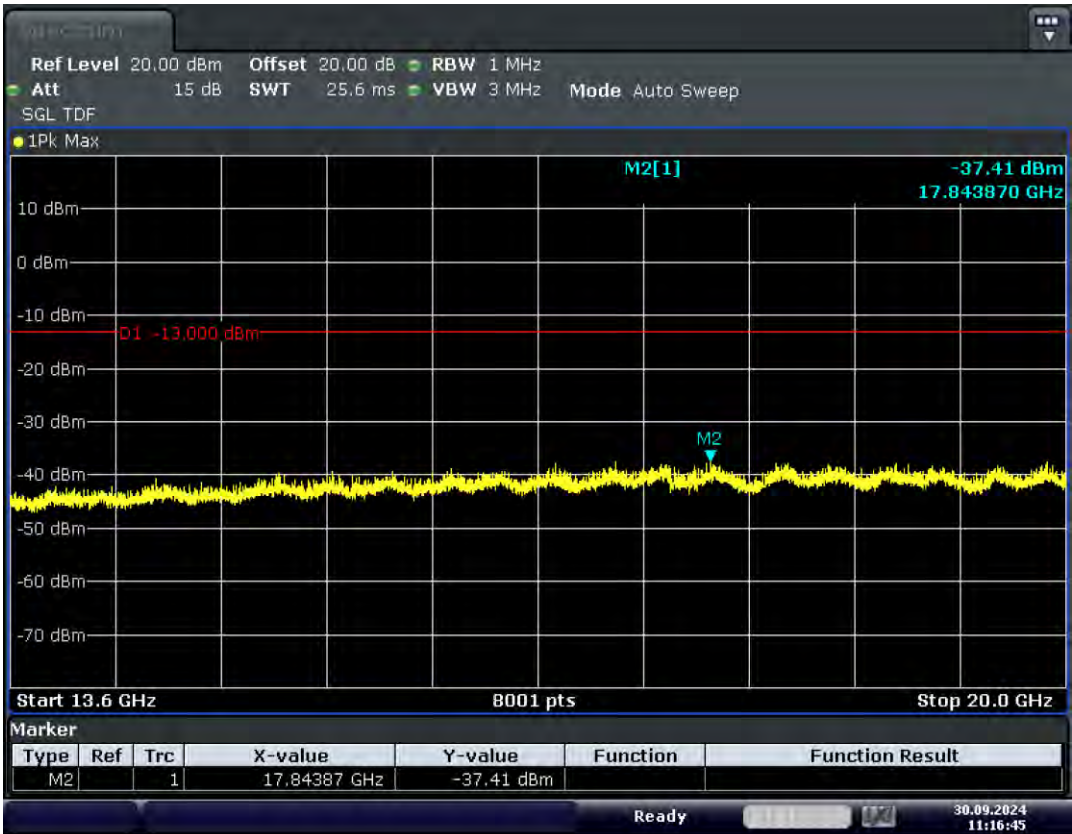
## OB2-1.4-1850.7-QPSK-6#LOW@1GHz-7GHz@Pass



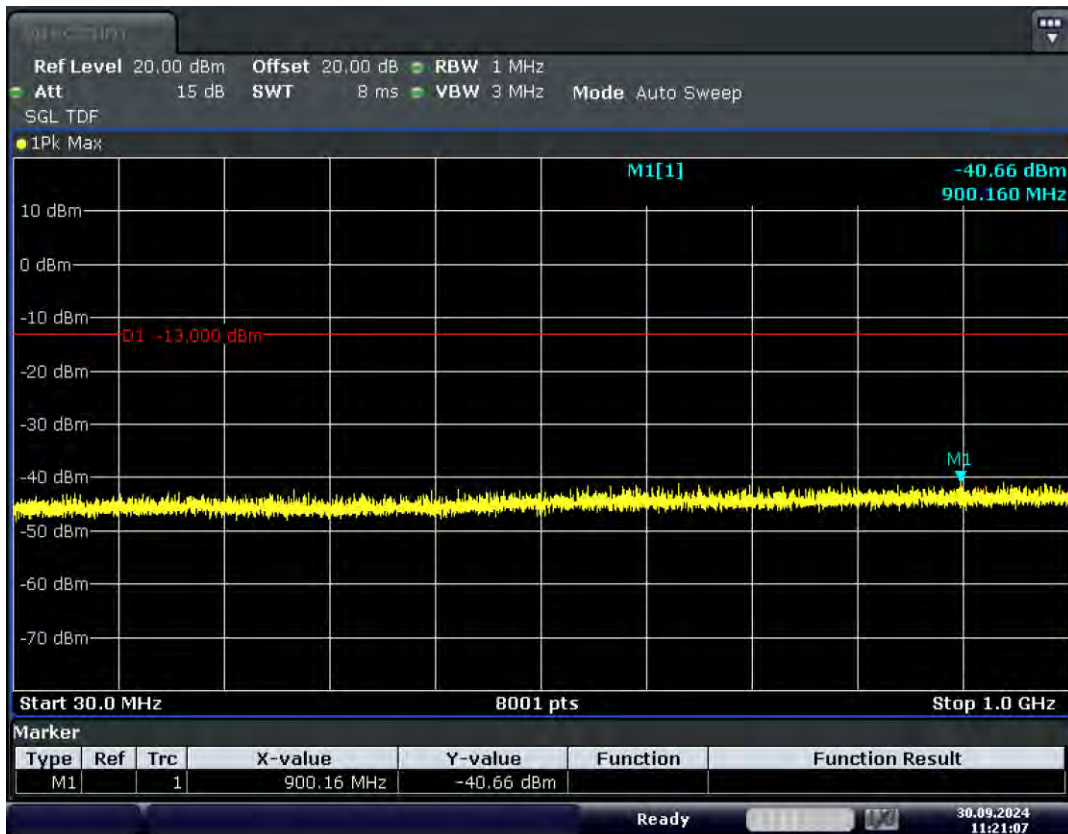
OB2-1.4-1850.7-QPSK-6#LOW@7GHz-13.6GHz@Pass



OB2-1.4-1850.7-QPSK-6#LOW@13.6GHz-20GHz@Pass



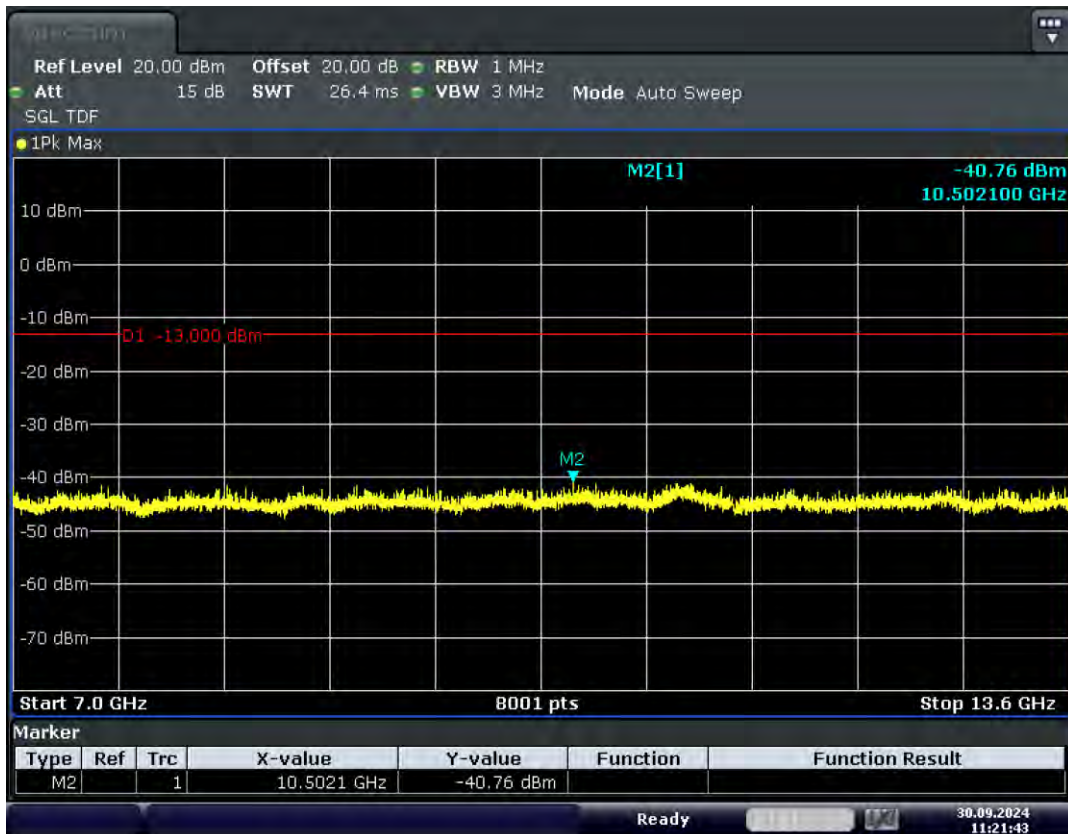
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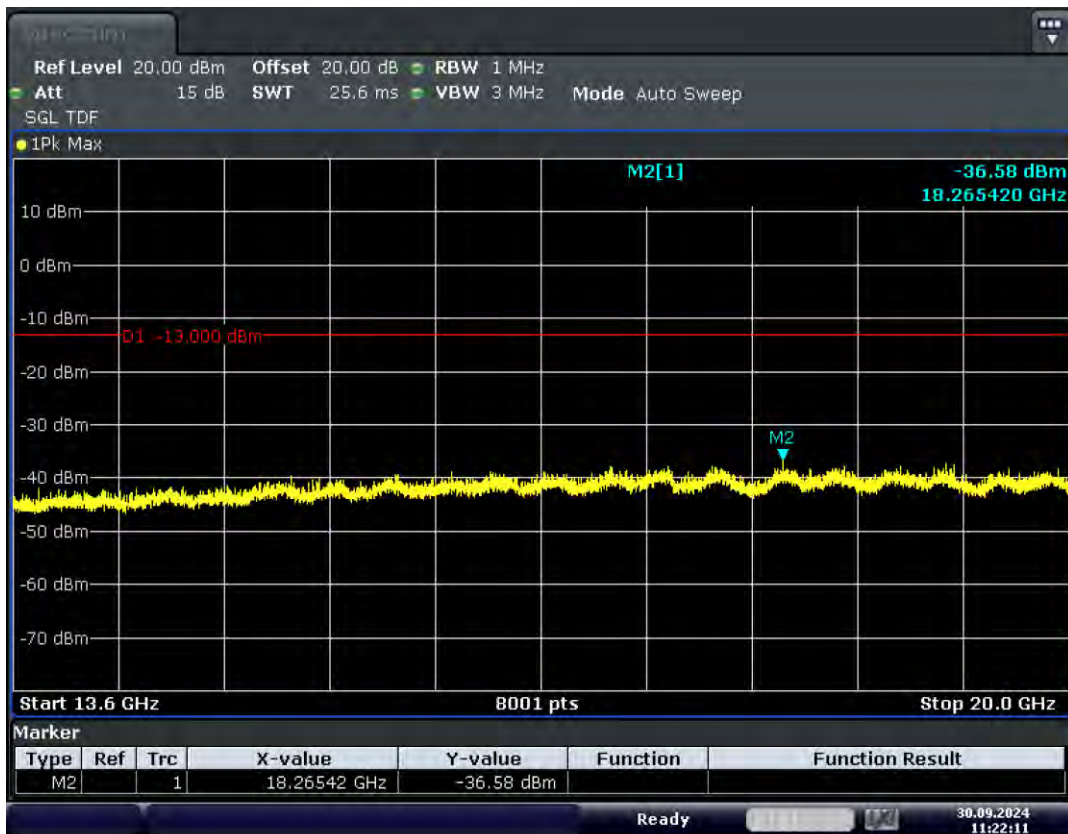
## OB2-1.4-1880-QPSK-6#LOW@1GHz-7GHz@Pass



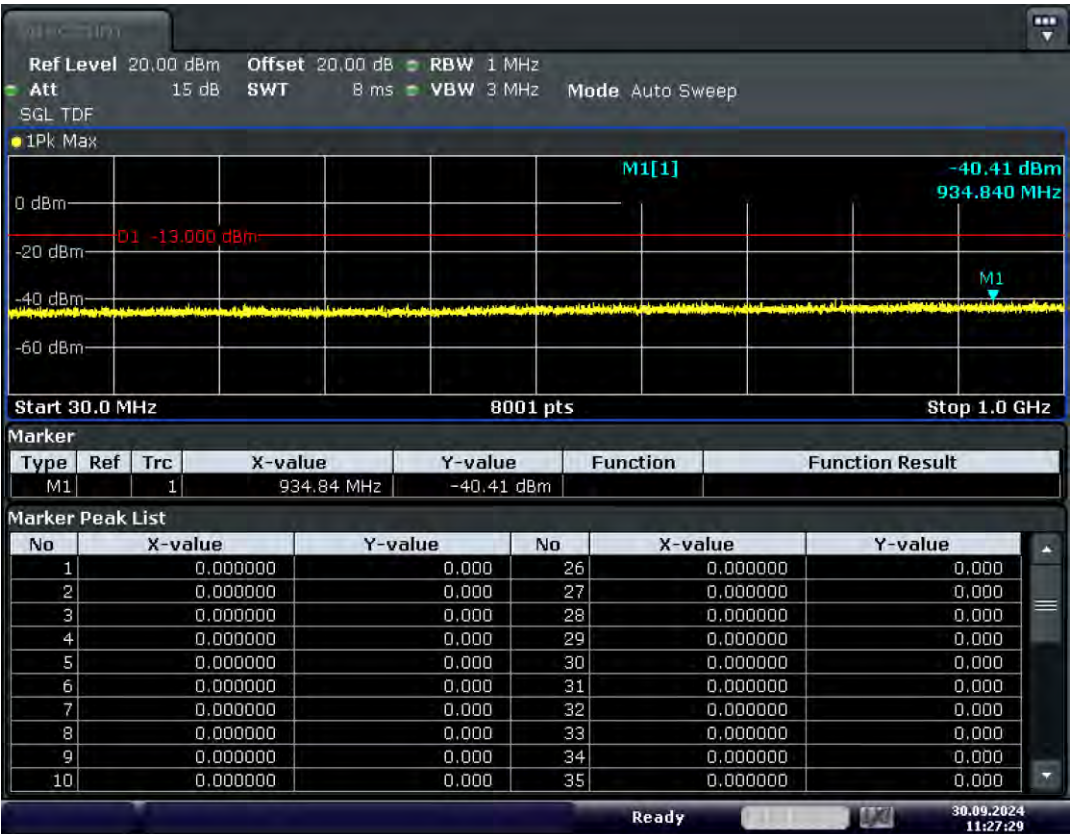
## OB2-1.4-1880-QPSK-6#LOW@7GHz-13.6GHz@Pass



## OB2-1.4-1880-QPSK-6#LOW@13.6GHz-20GHz@Pass



OB2-1.4-1909.3-QPSK-6#LOW@30mHz-1GHz@Pass



OB2-1.4-1909.3-QPSK-6#LOW@1GHz-7GHz@Pass



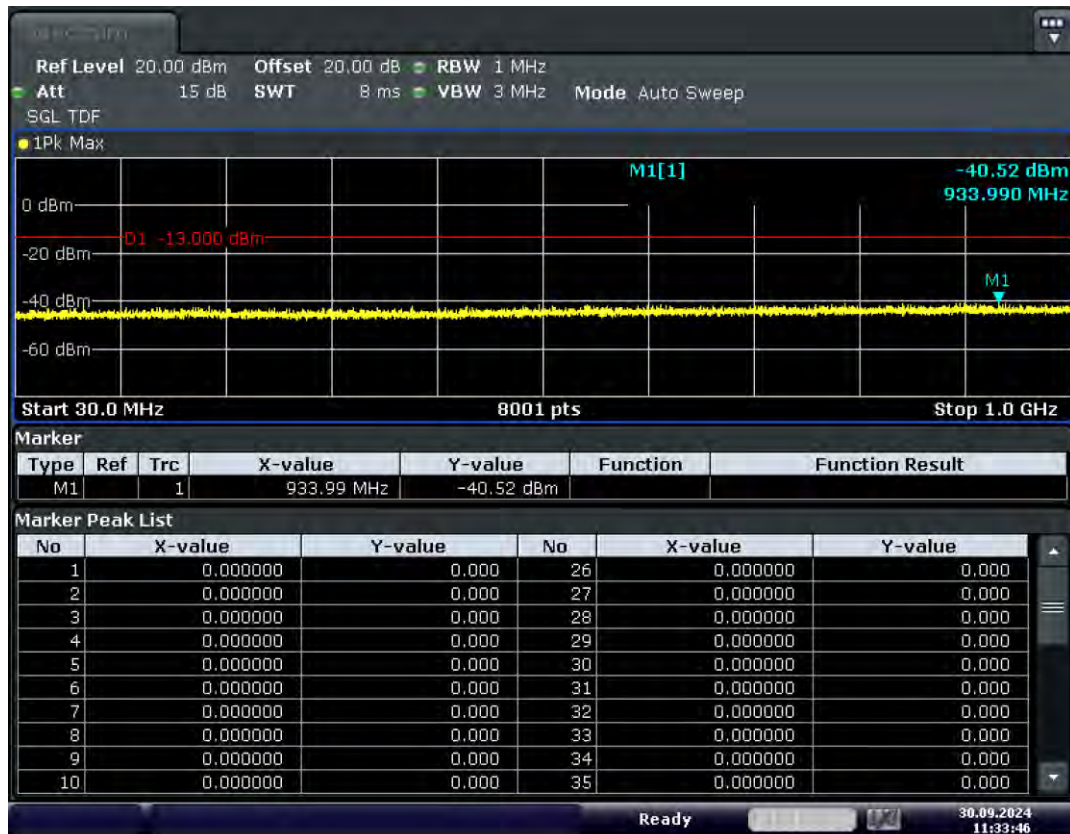
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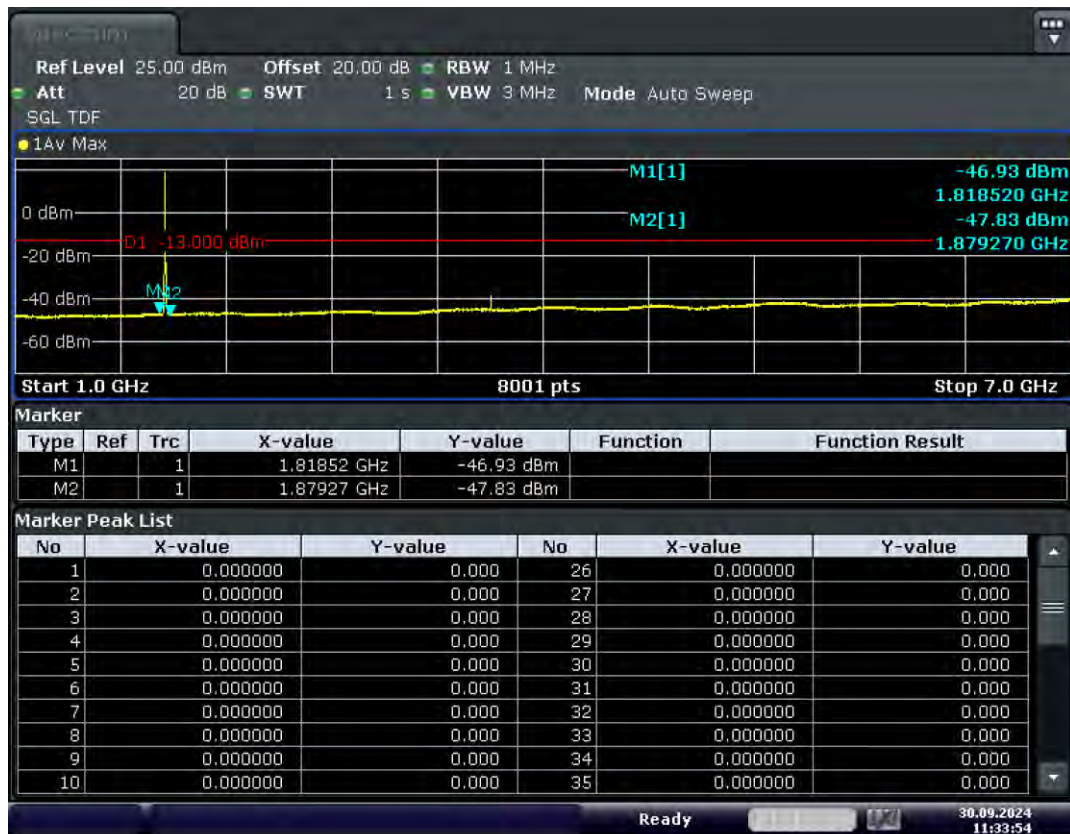
OB2-1.4-1909.3-QPSK-6#LOW@13.6GHz-20GHz@Pass



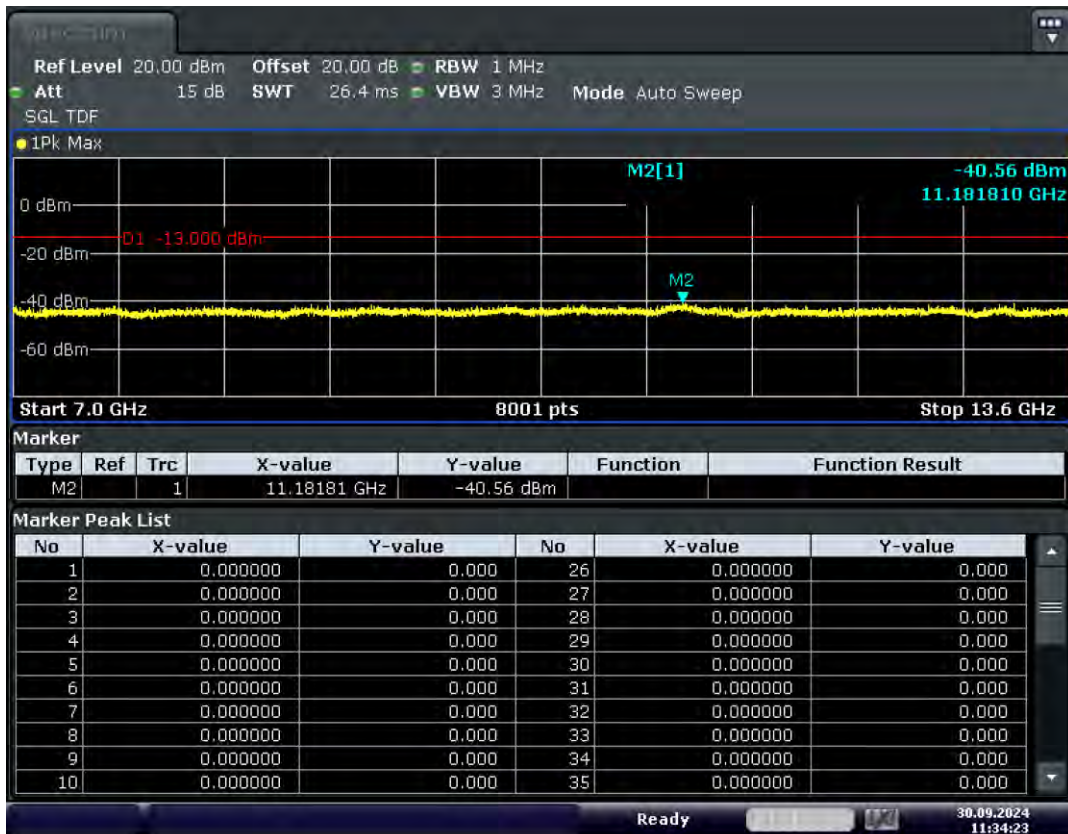
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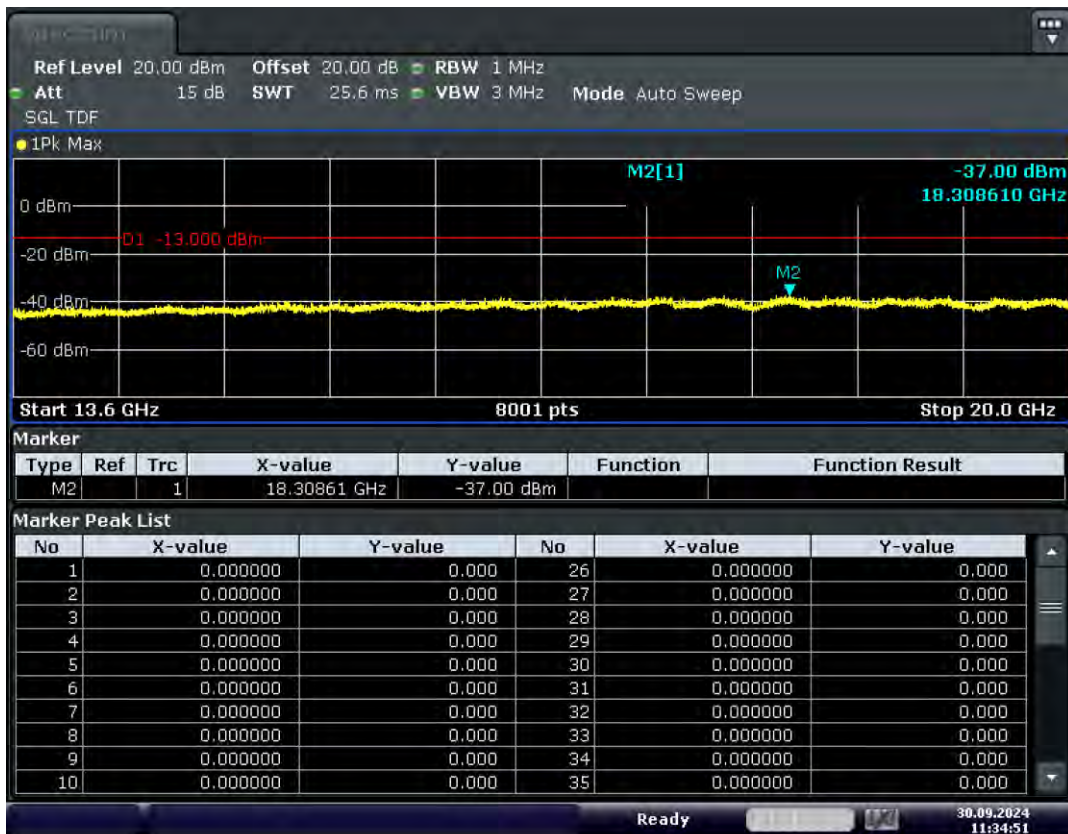
## OB2-3-1851.5-QPSK-15#LOW@1GHz-7GHz@Pass



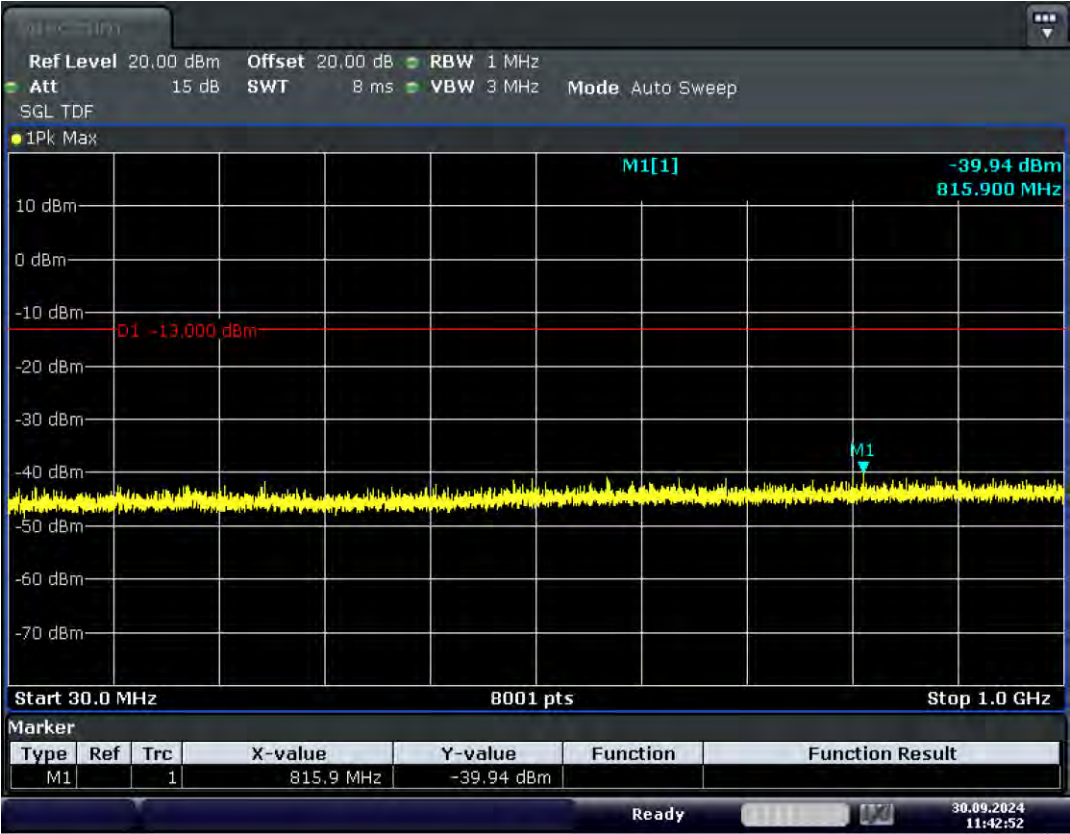
## OB2-3-1851.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



## OB2-3-1851.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



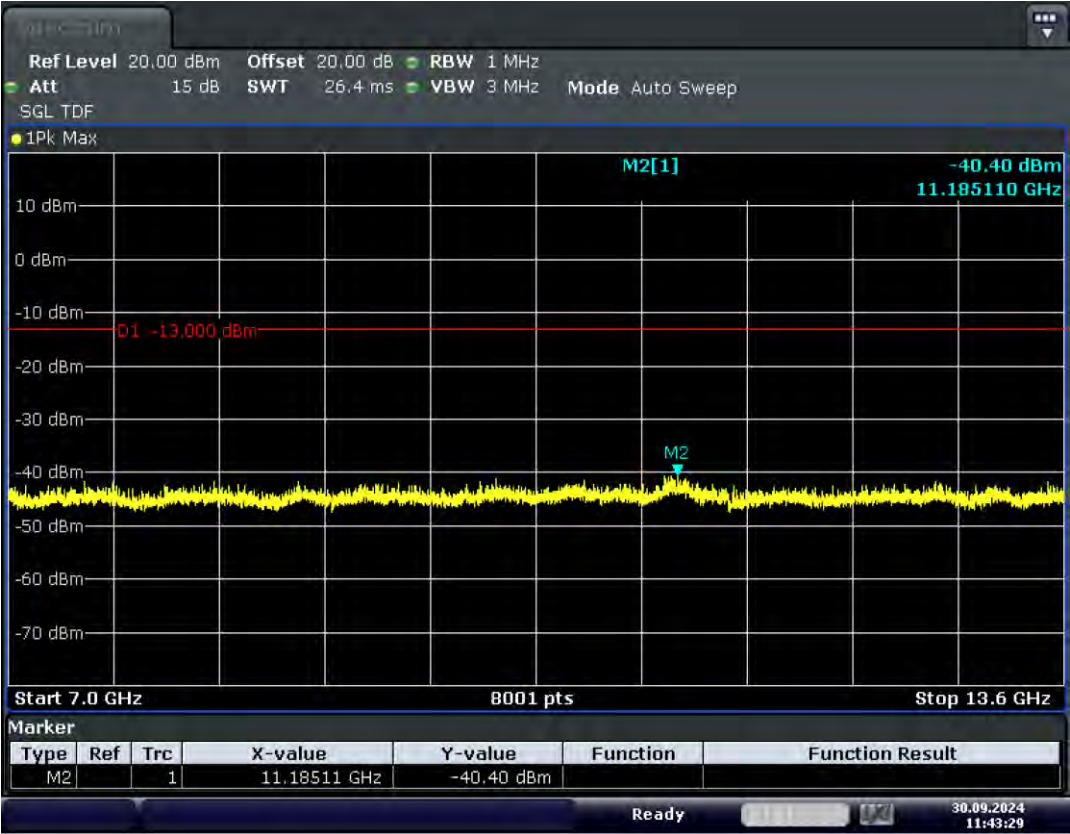
OB2-3-1880-QPSK-15#LOW@30mHz-1GHz@Pass



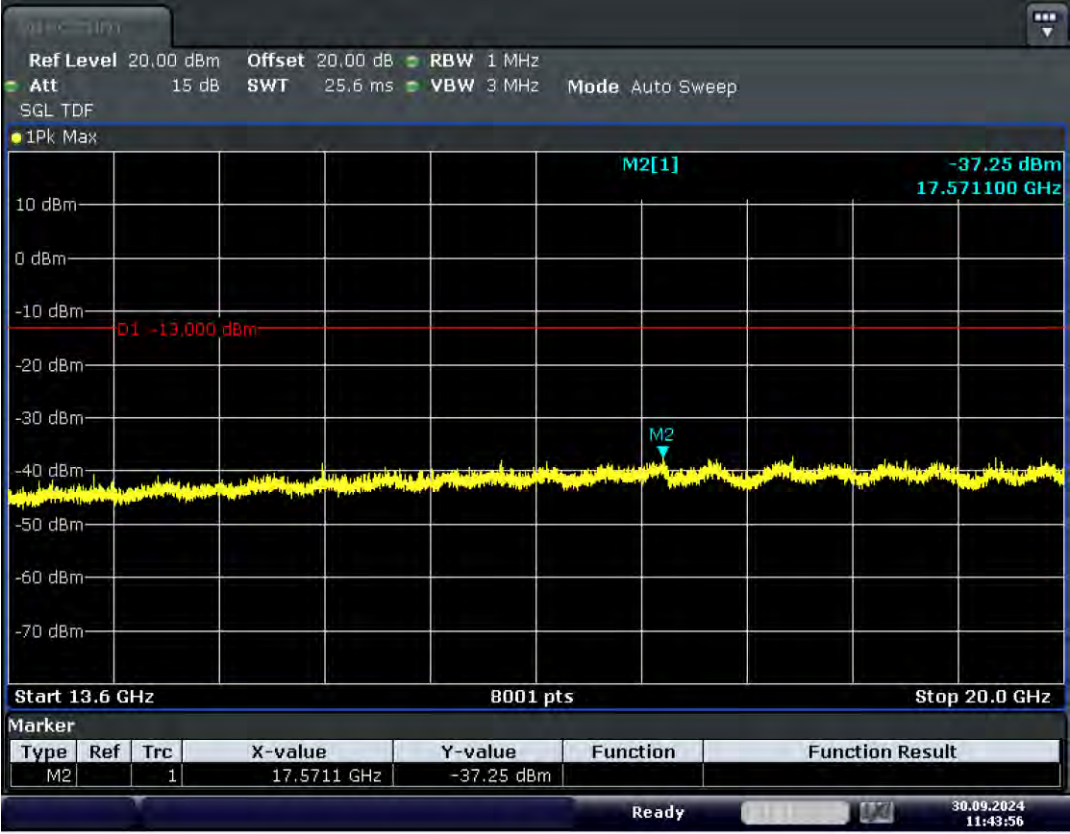
OB2-3-1880-QPSK-15#LOW@1GHz-7GHz@Pass



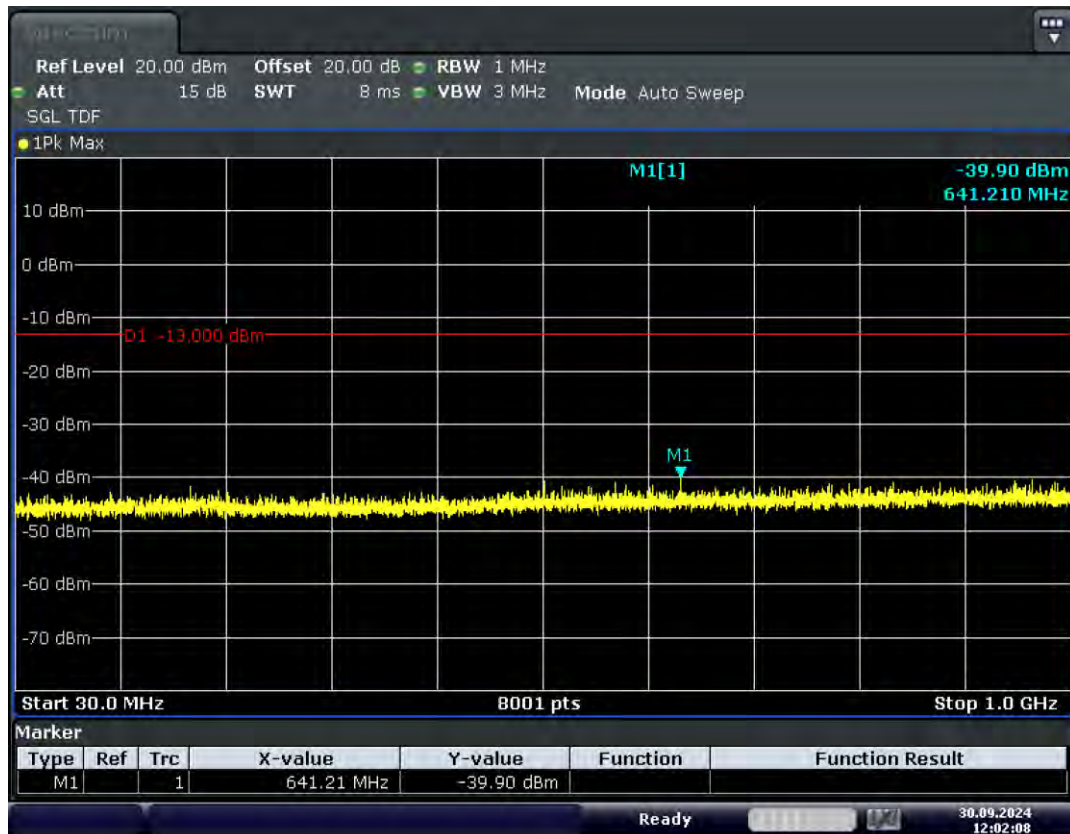
OB2-3-1880-QPSK-15#LOW@7GHz-13.6GHz@Pass



OB2-3-1880-QPSK-15#LOW@13.6GHz-20GHz@Pass



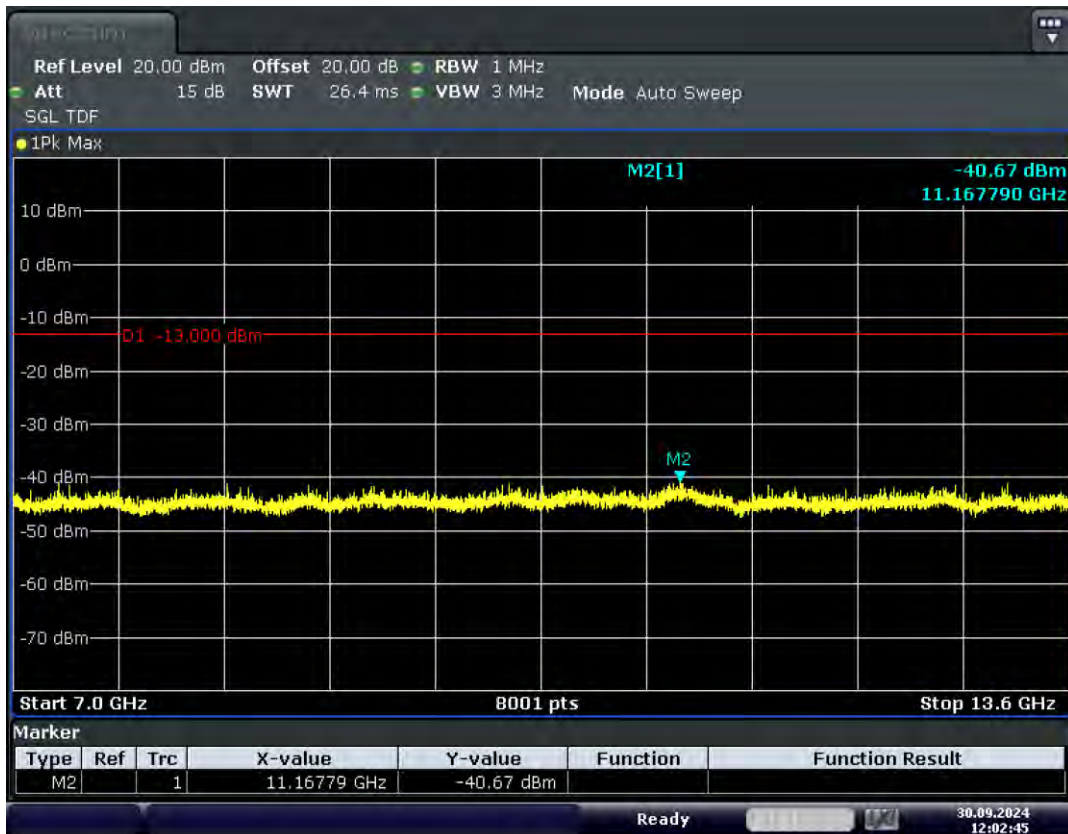
## OB2-3-1908.5-QPSK-15#LOW@30mHz-1GHz@Pass



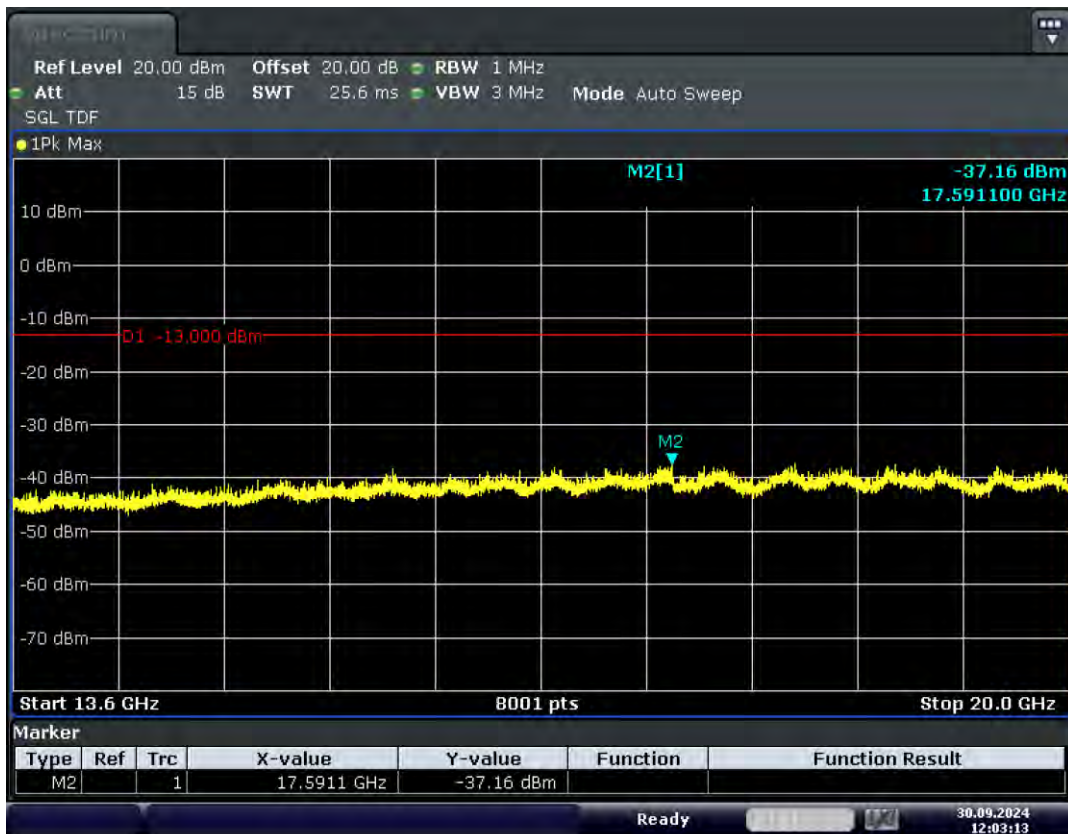
## OB2-3-1908.5-QPSK-15#LOW@1GHz-7GHz@Fail



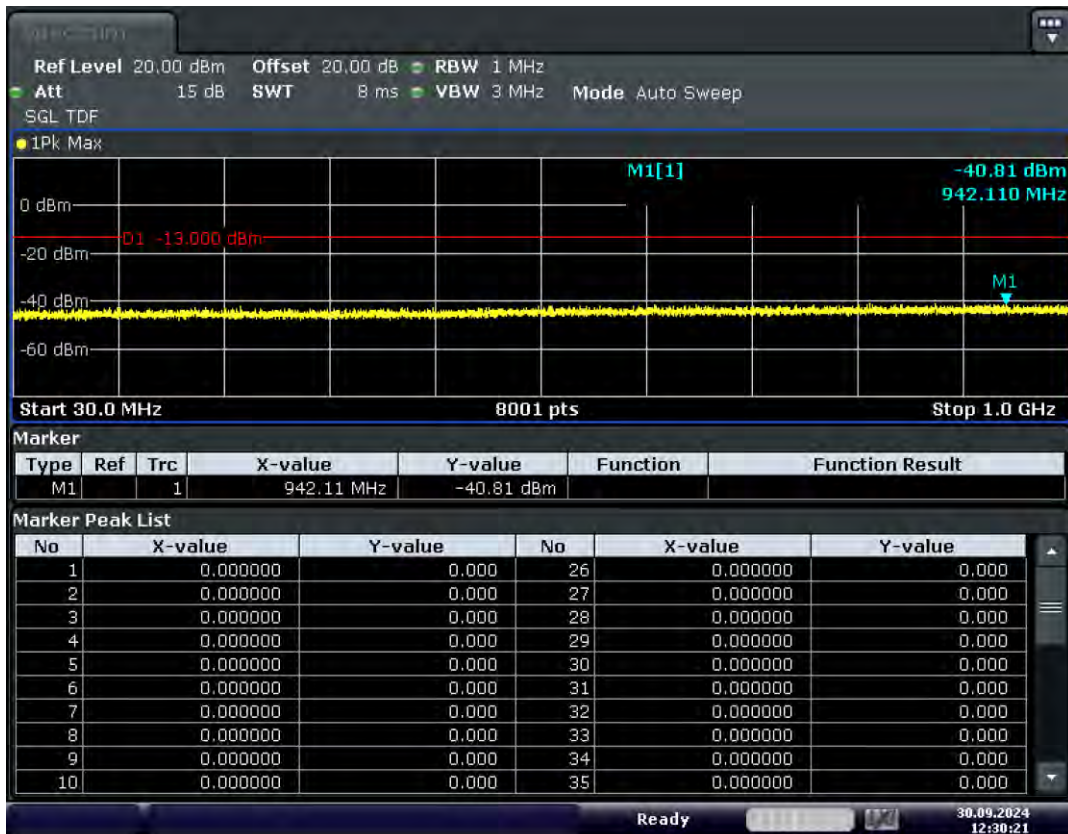
## OB2-3-1908.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



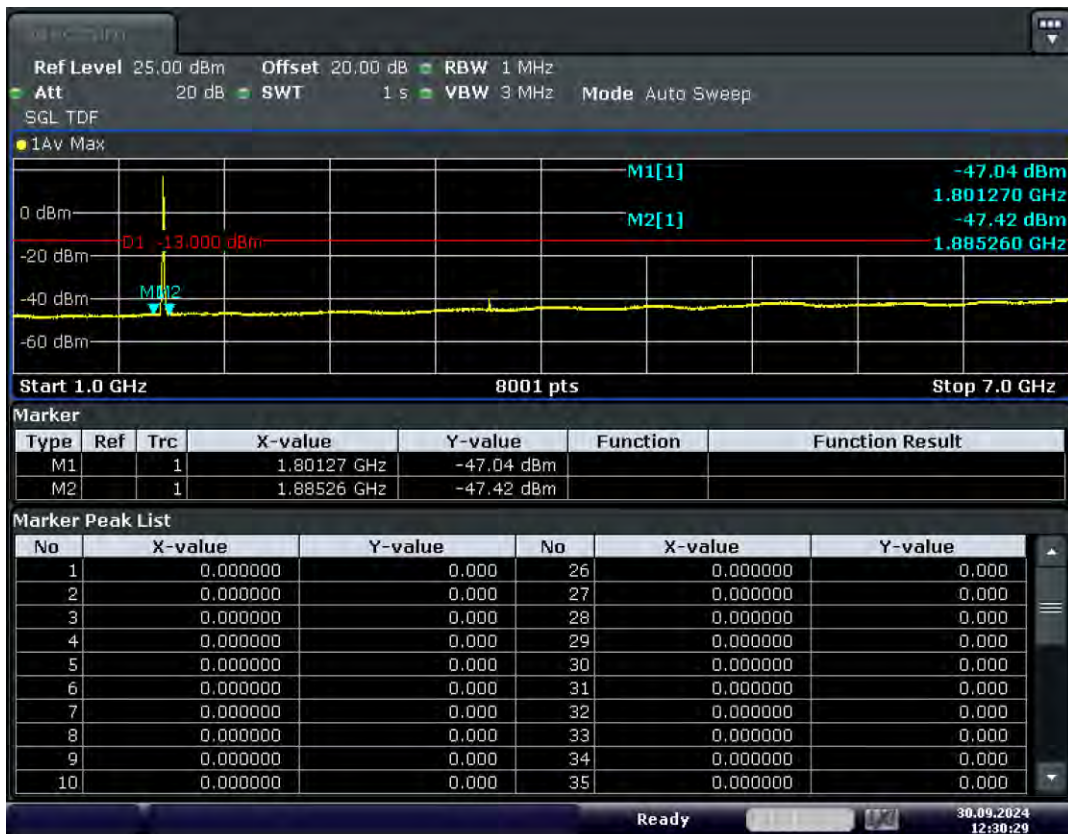
## OB2-3-1908.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



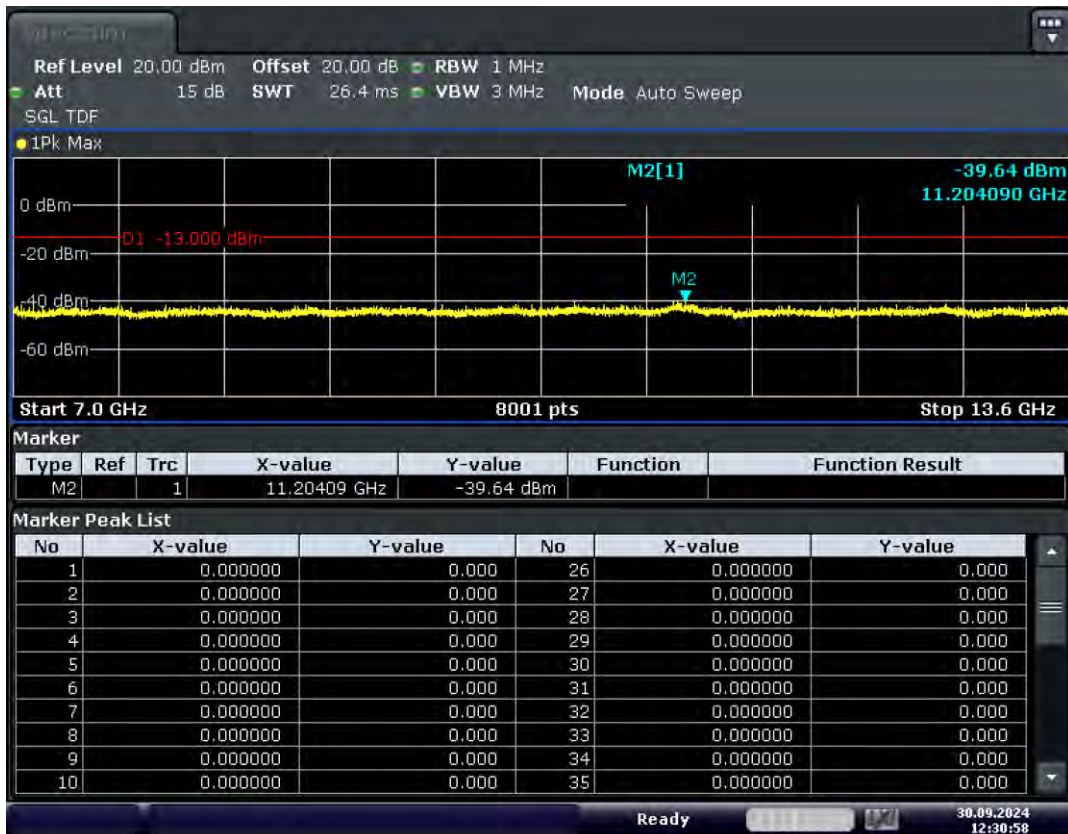
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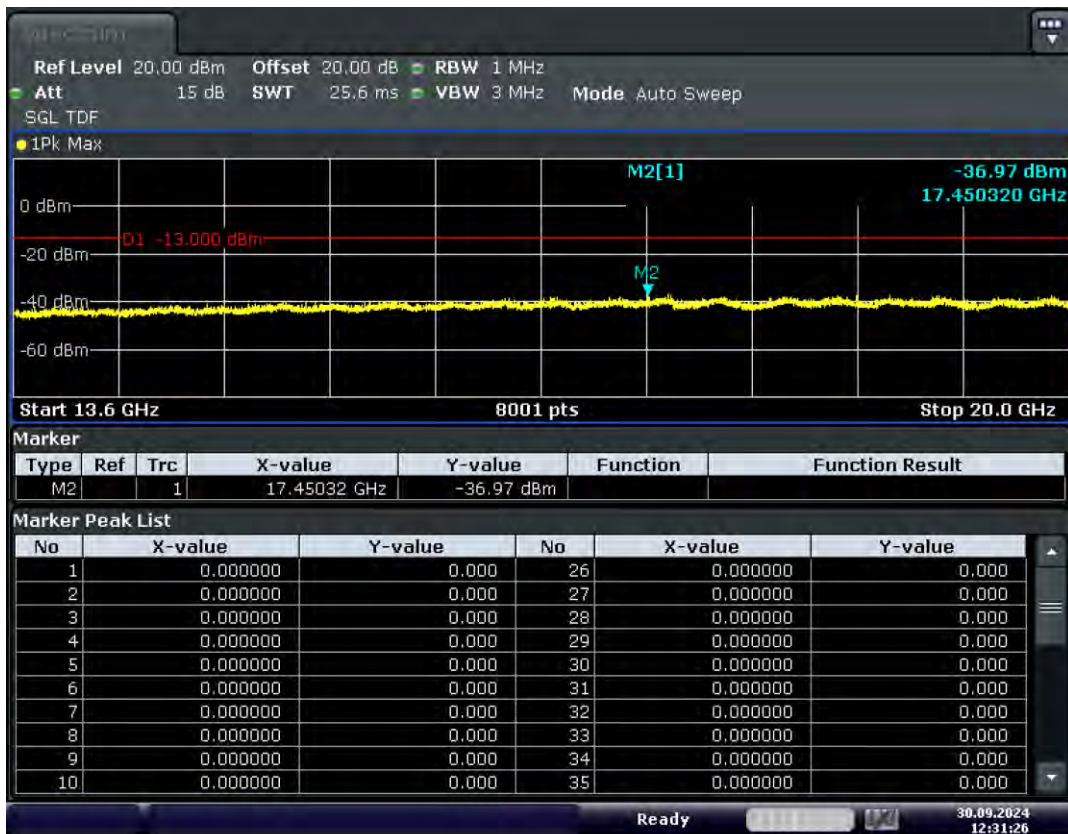
## OB2-5-1852.5-QPSK-25#LOW@1GHz-7GHz@Pass



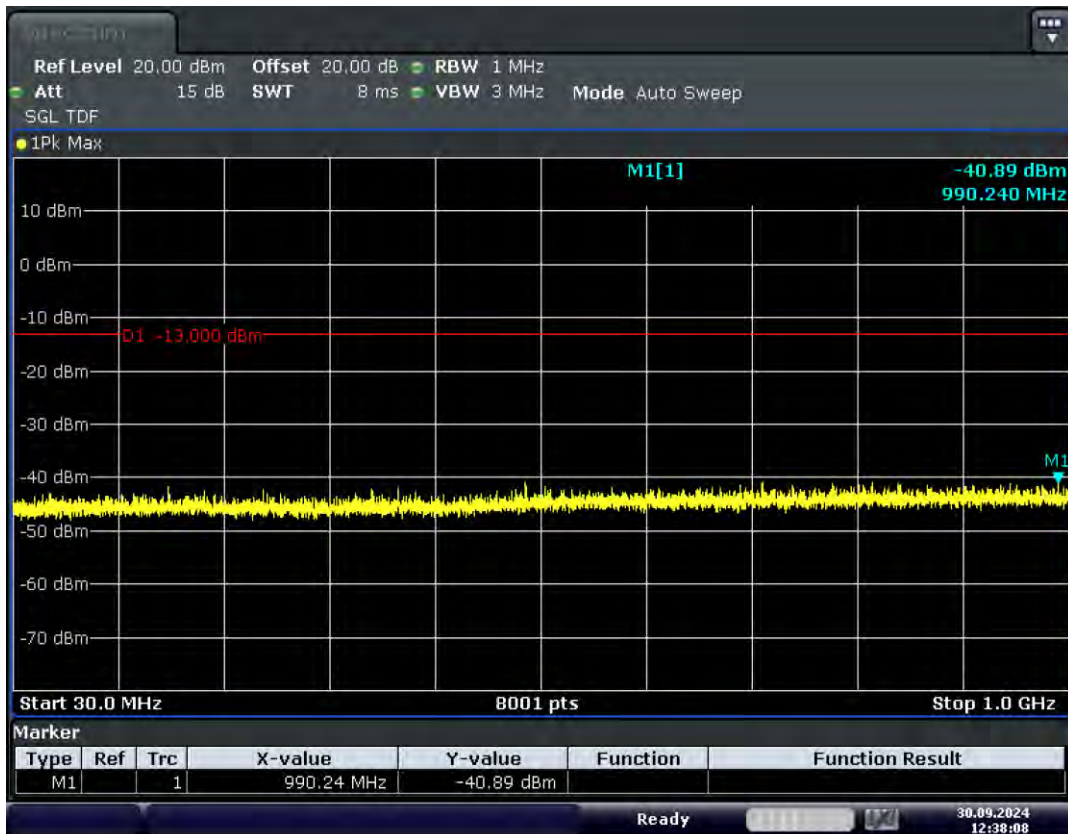
## OB2-5-1852.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



## OB2-5-1852.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



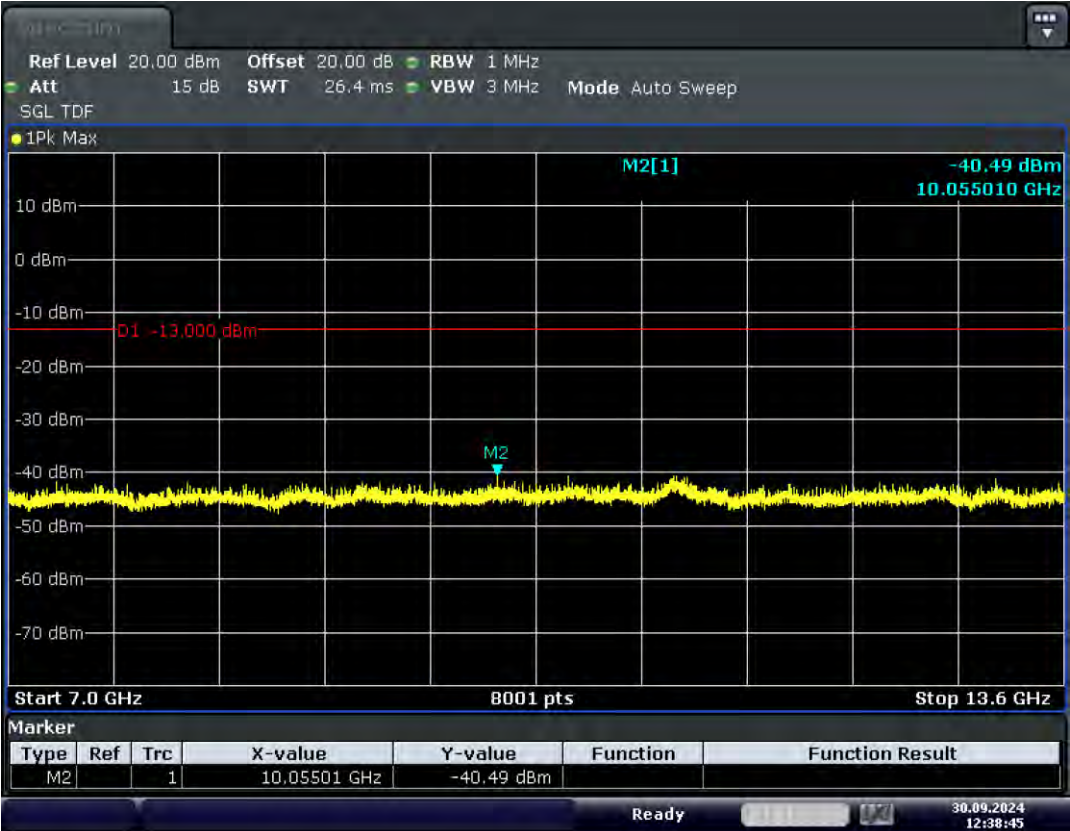
## OB2-5-1880-QPSK-25#LOW@30mHz-1GHz@Pass



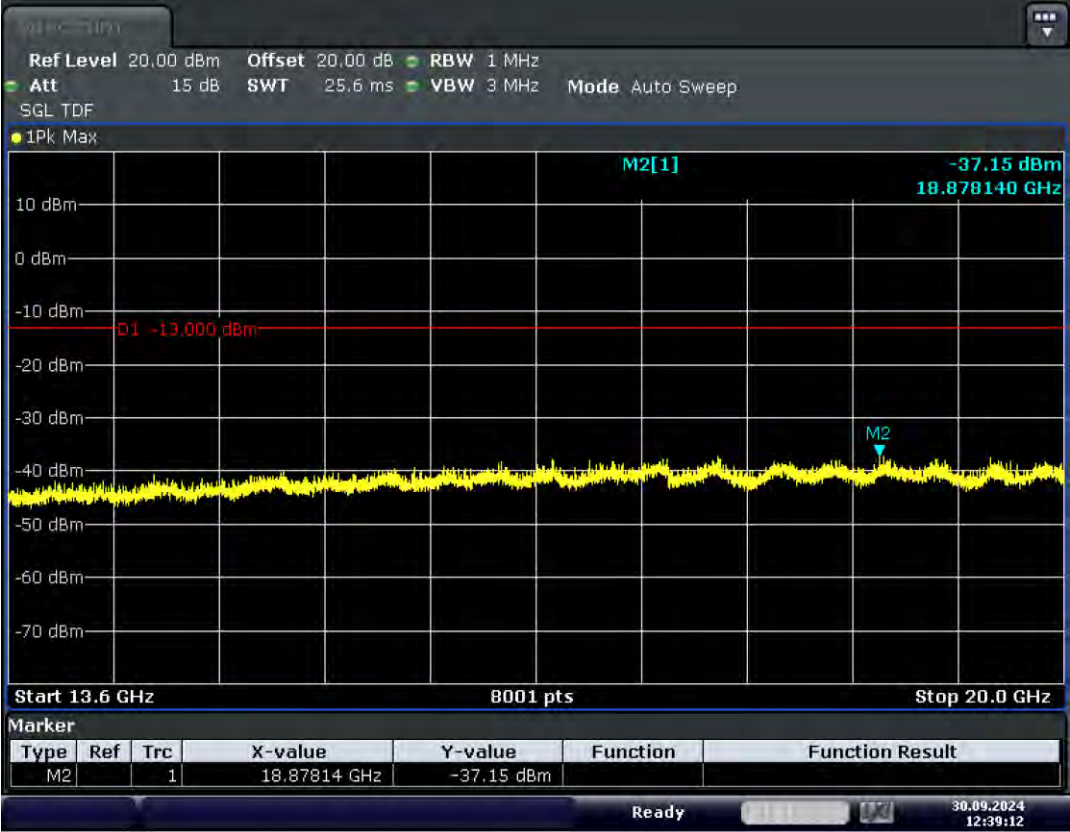
## OB2-5-1880-QPSK-25#LOW@1GHz-7GHz@Pass



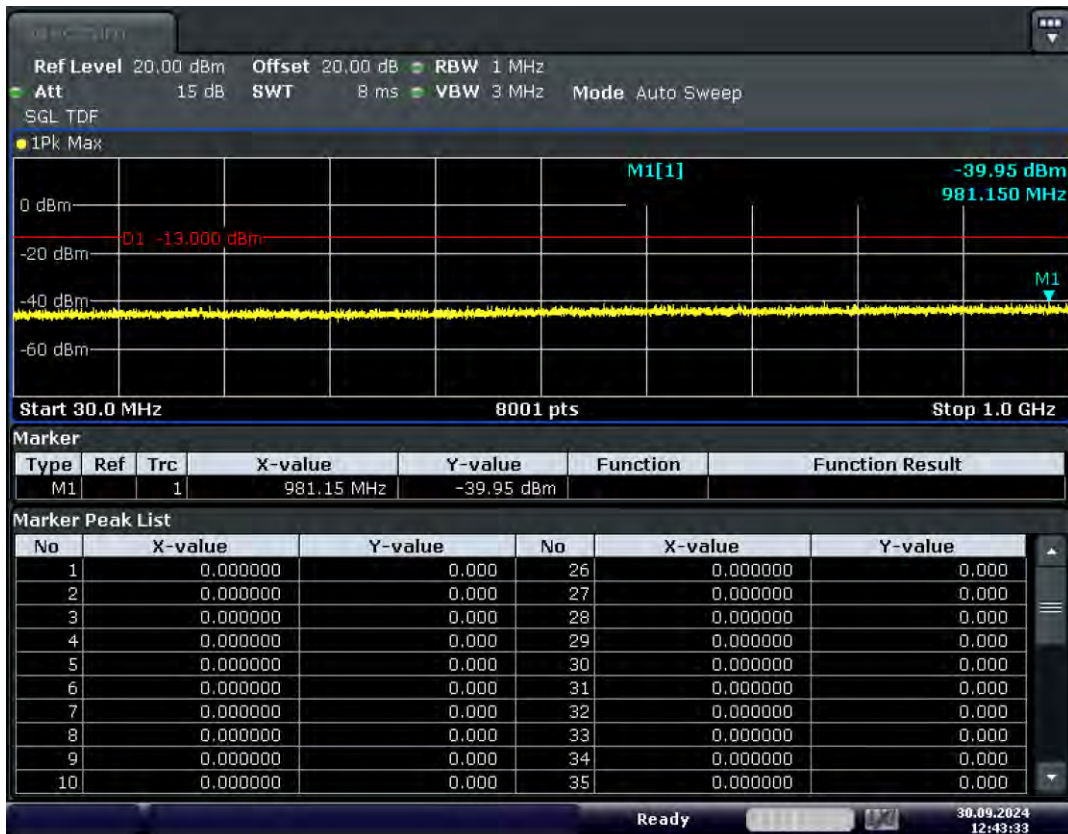
OB2-5-1880-QPSK-25#LOW@7GHz-13.6GHz@Pass



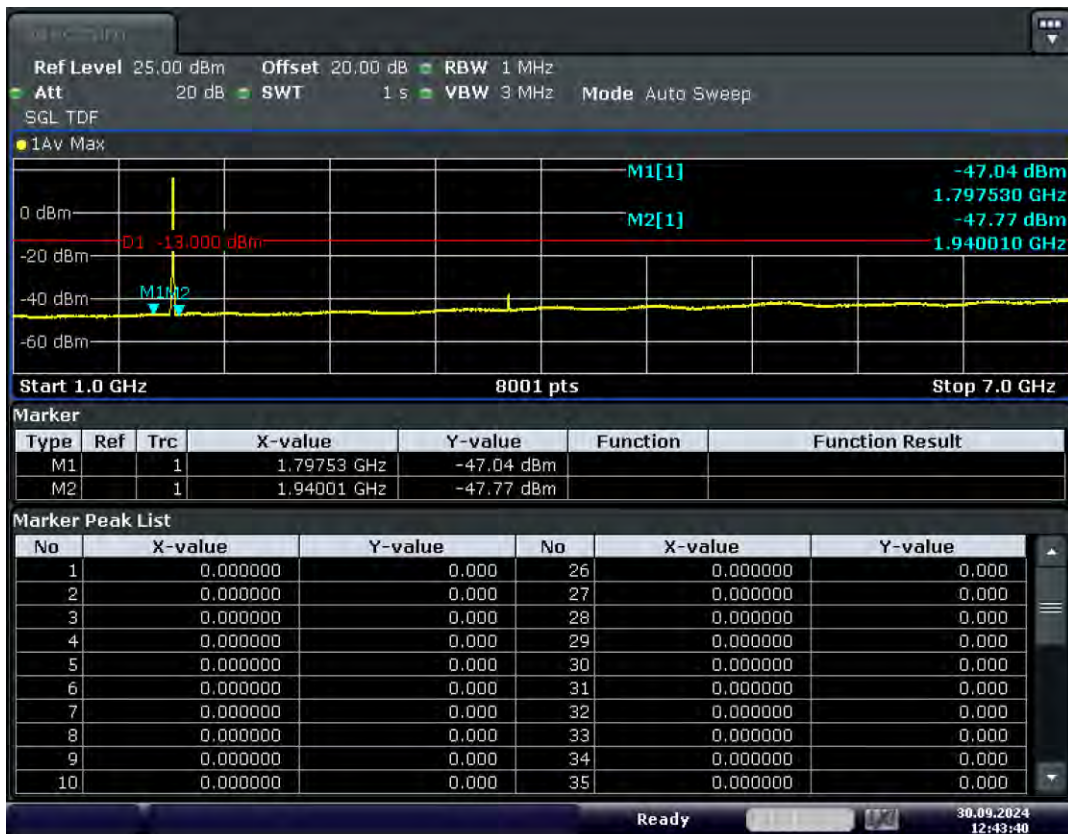
OB2-5-1880-QPSK-25#LOW@13.6GHz-20GHz@Pass



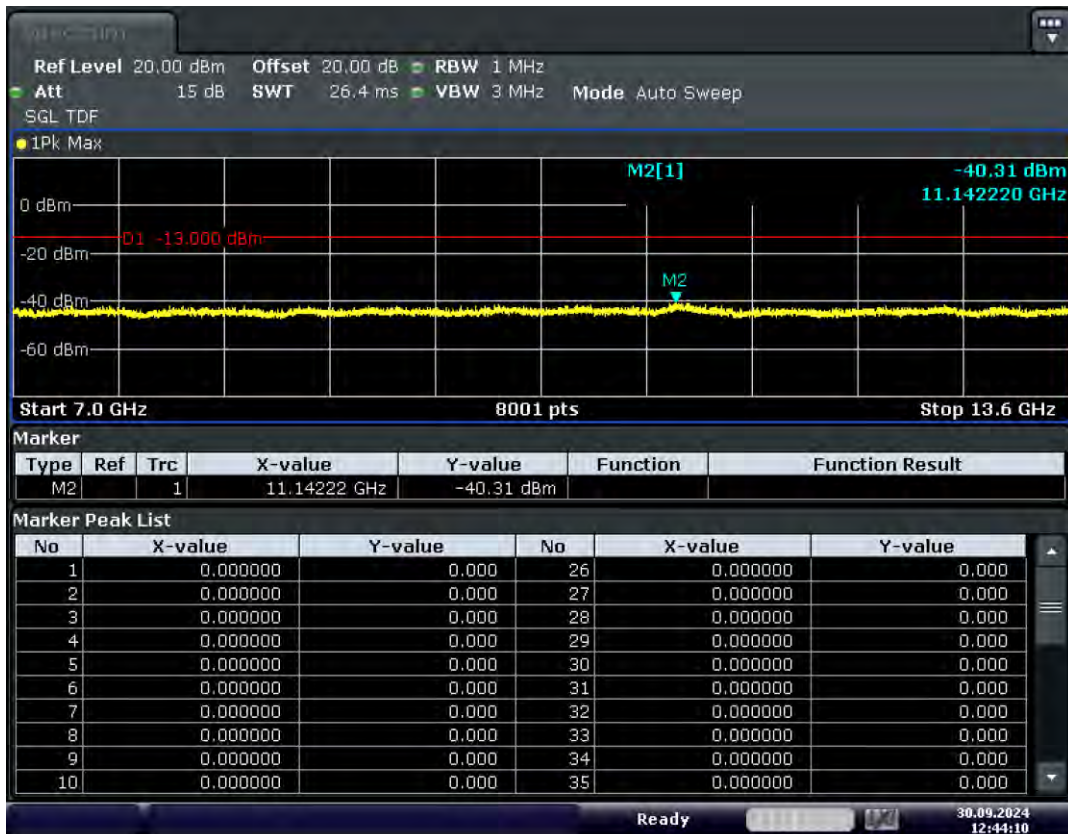
## OB2-5-1907.5-QPSK-25#LOW@30mHz-1GHz@Pass



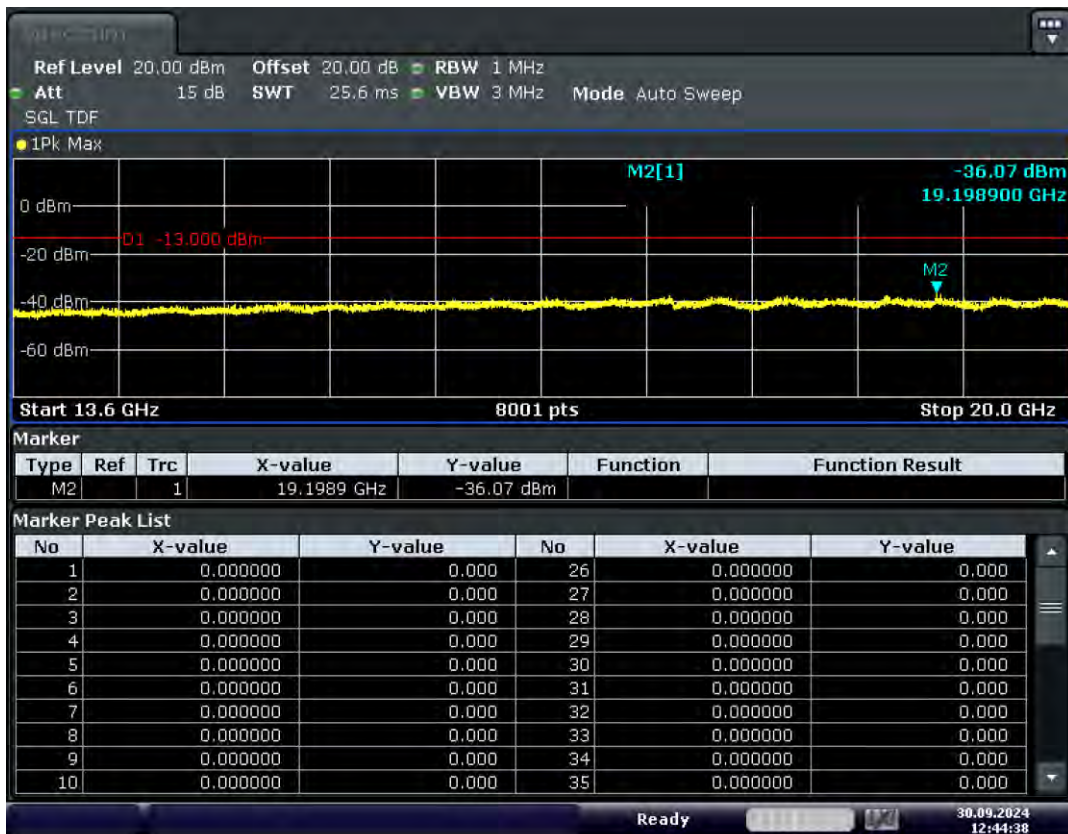
## OB2-5-1907.5-QPSK-25#LOW@1GHz-7GHz@Pass



## OB2-5-1907.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



## OB2-5-1907.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



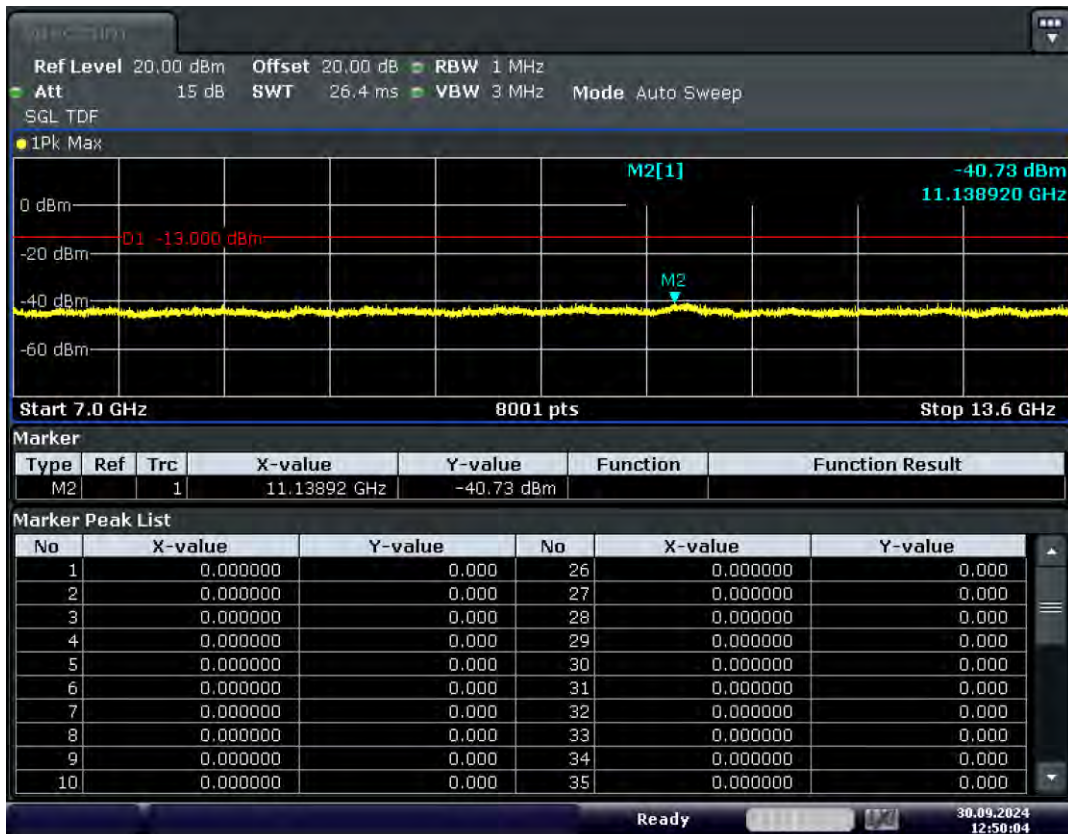
OB2-10-1855-QPSK-50#LOW@30mHz-1GHz@Pass



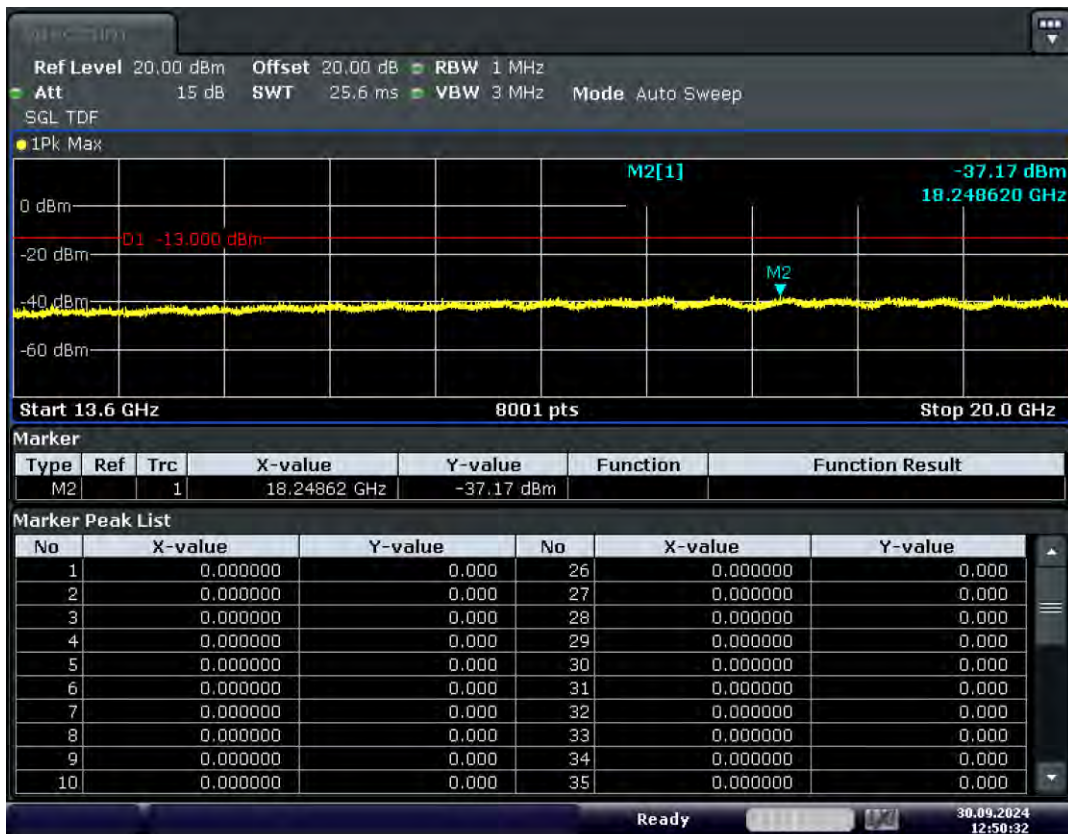
OB2-10-1855-QPSK-50#LOW@1GHz-7GHz@Pass



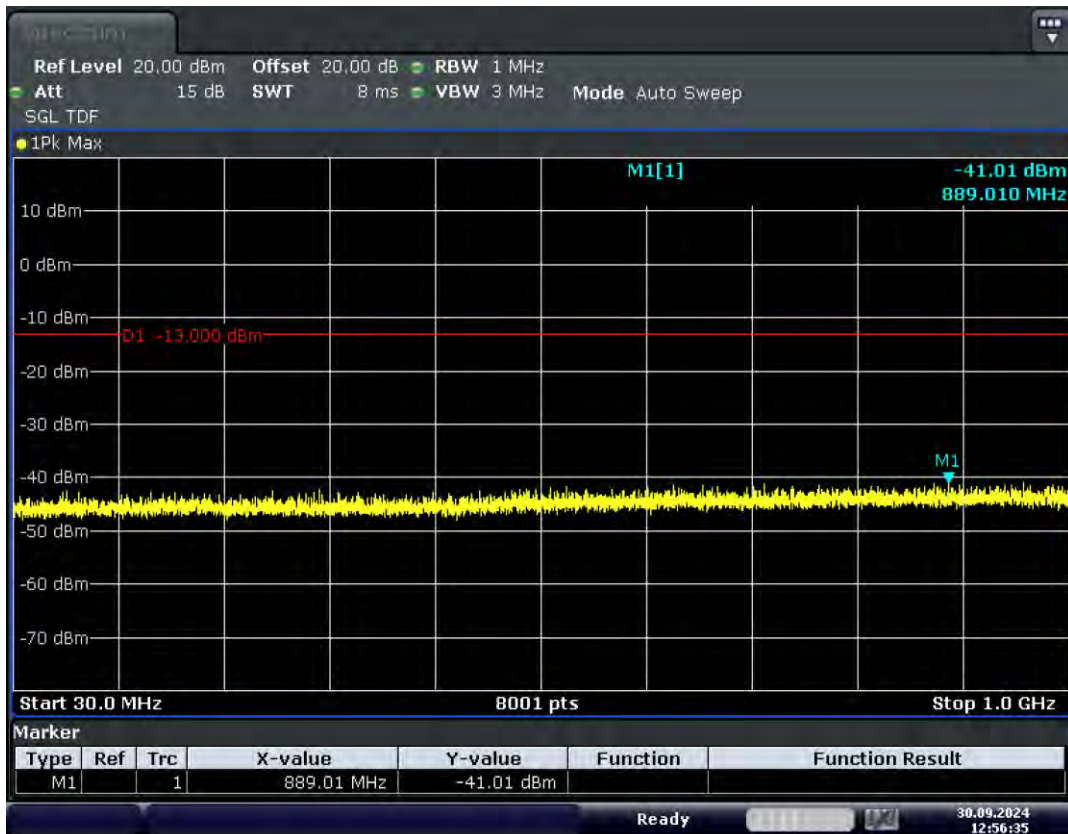
## OB2-10-1855-QPSK-50#LOW@7GHz-13.6GHz@Pass



## OB2-10-1855-QPSK-50#LOW@13.6GHz-20GHz@Pass



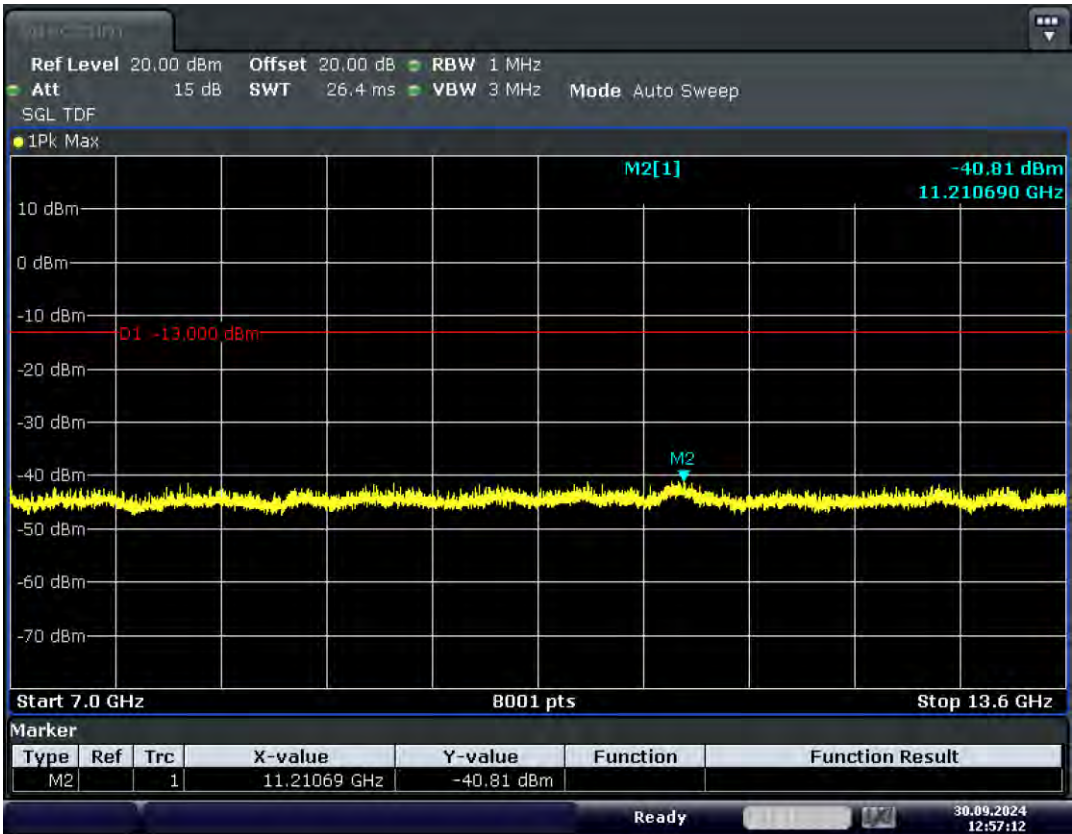
## OB2-10-1880-QPSK-50#LOW@30mHz-1GHz@Pass



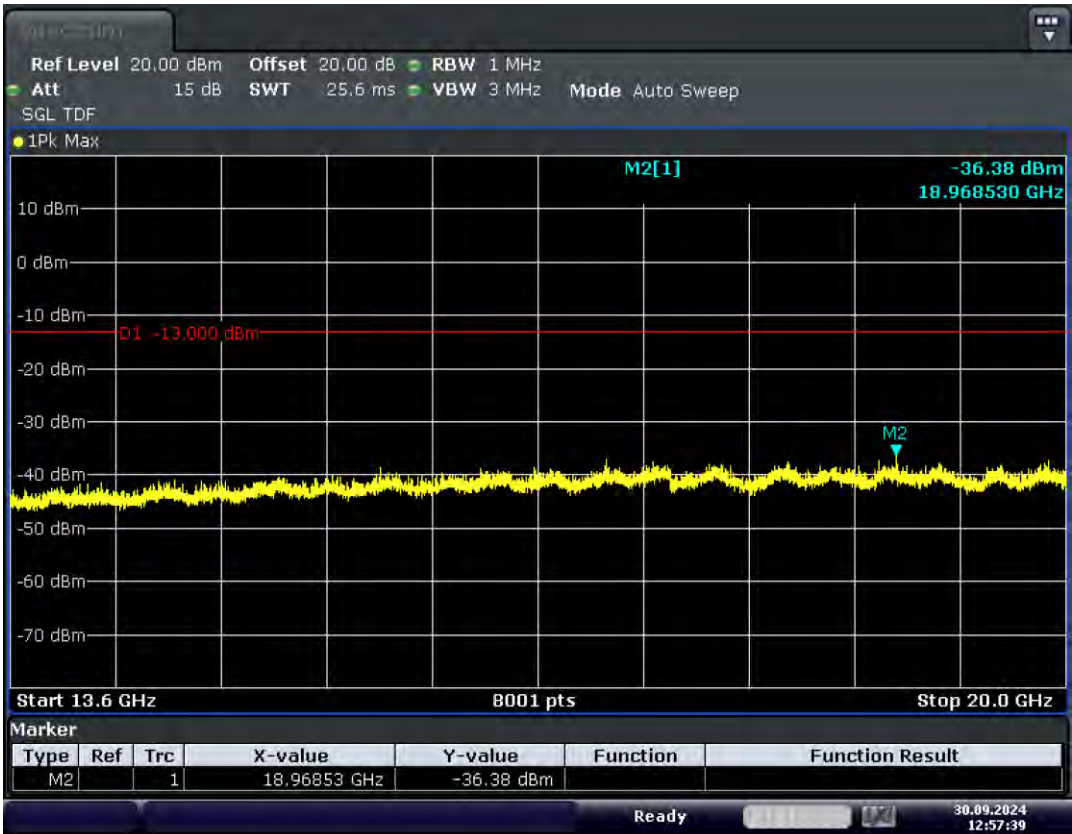
## OB2-10-1880-QPSK-50#LOW@1GHz-7GHz@Pass



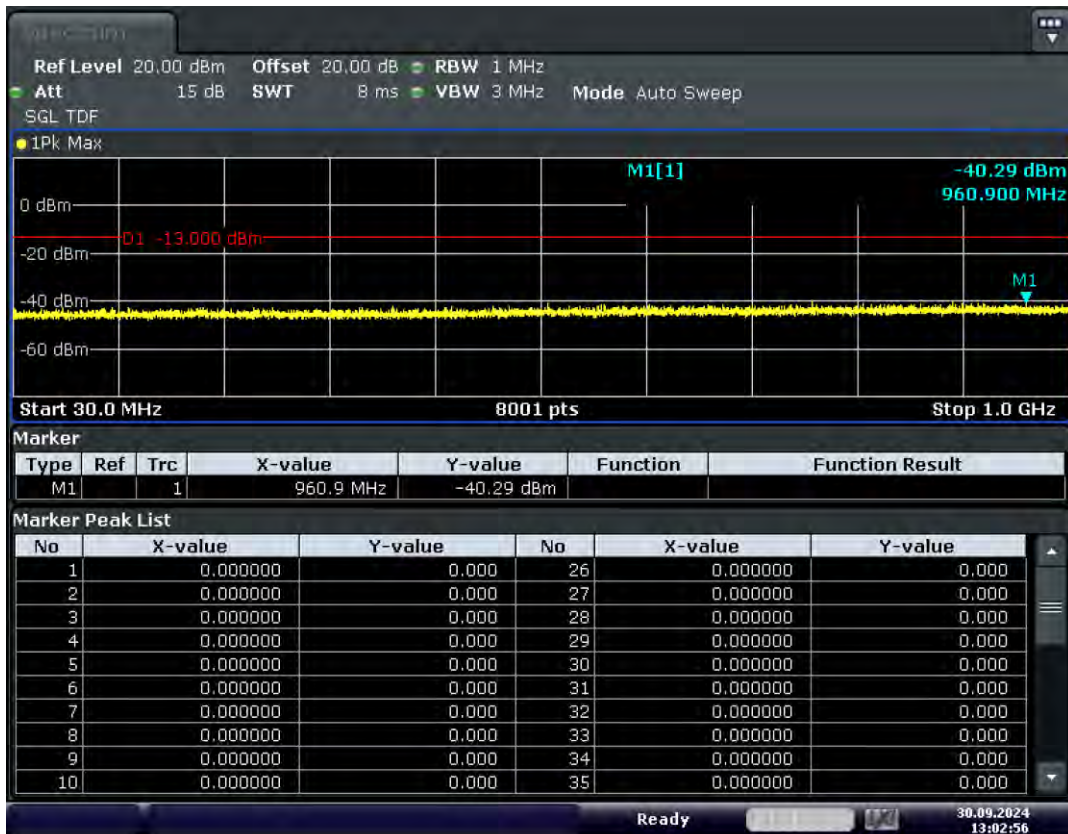
OB2-10-1880-QPSK-50#LOW@7GHz-13.6GHz@Pass



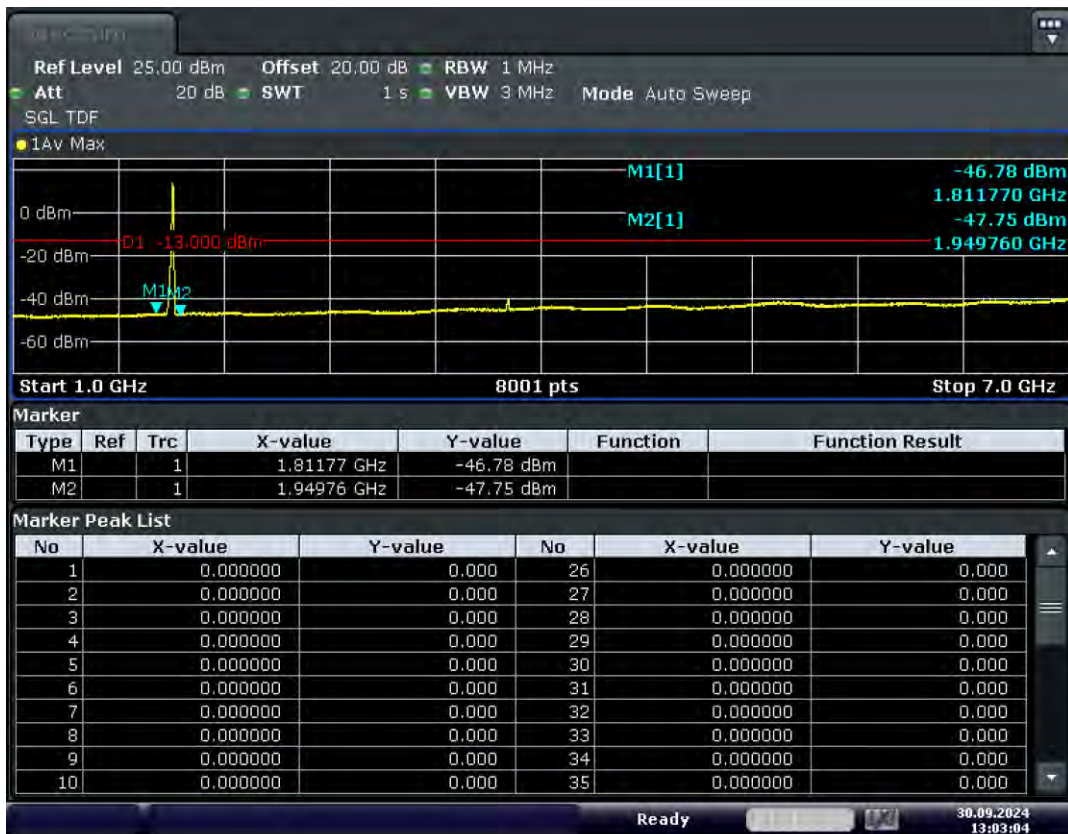
OB2-10-1880-QPSK-50#LOW@13.6GHz-20GHz@Pass



## OB2-10-1905-QPSK-50#LOW@30mHz-1GHz@Pass



## OB2-10-1905-QPSK-50#LOW@1GHz-7GHz@Pass



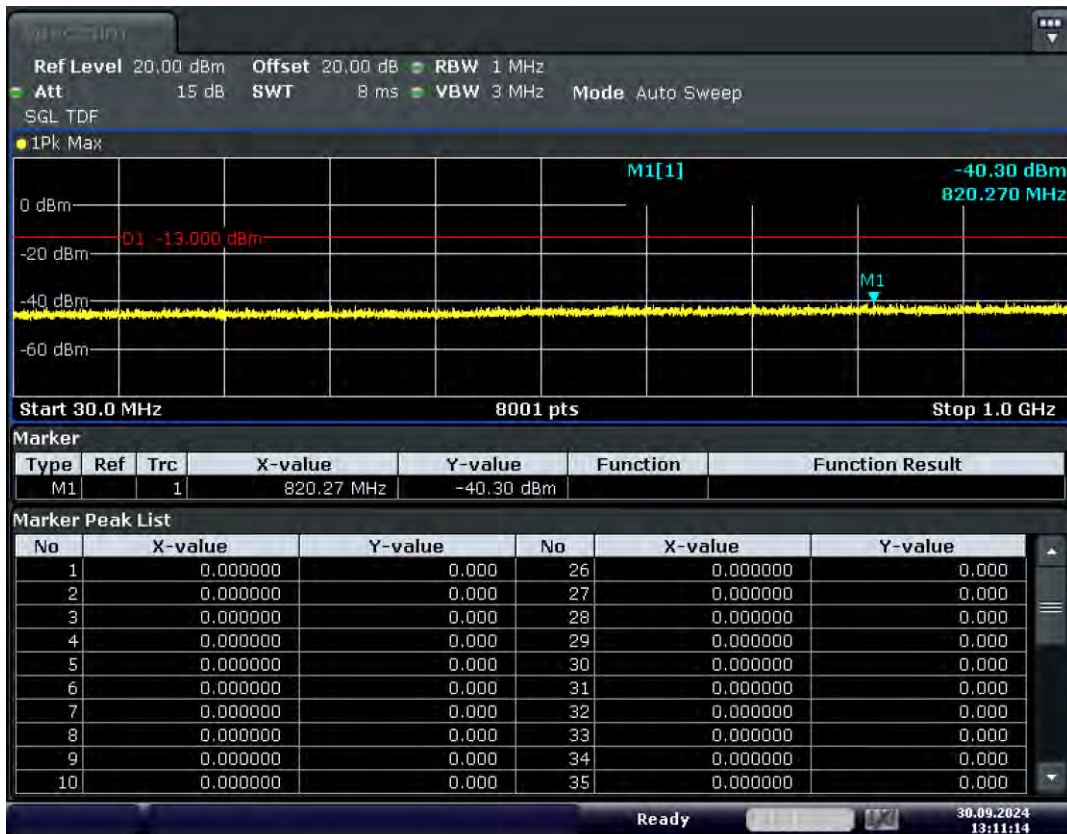
OB2-10-1905-QPSK-50#LOW@7GHz-13.6GHz@Pass



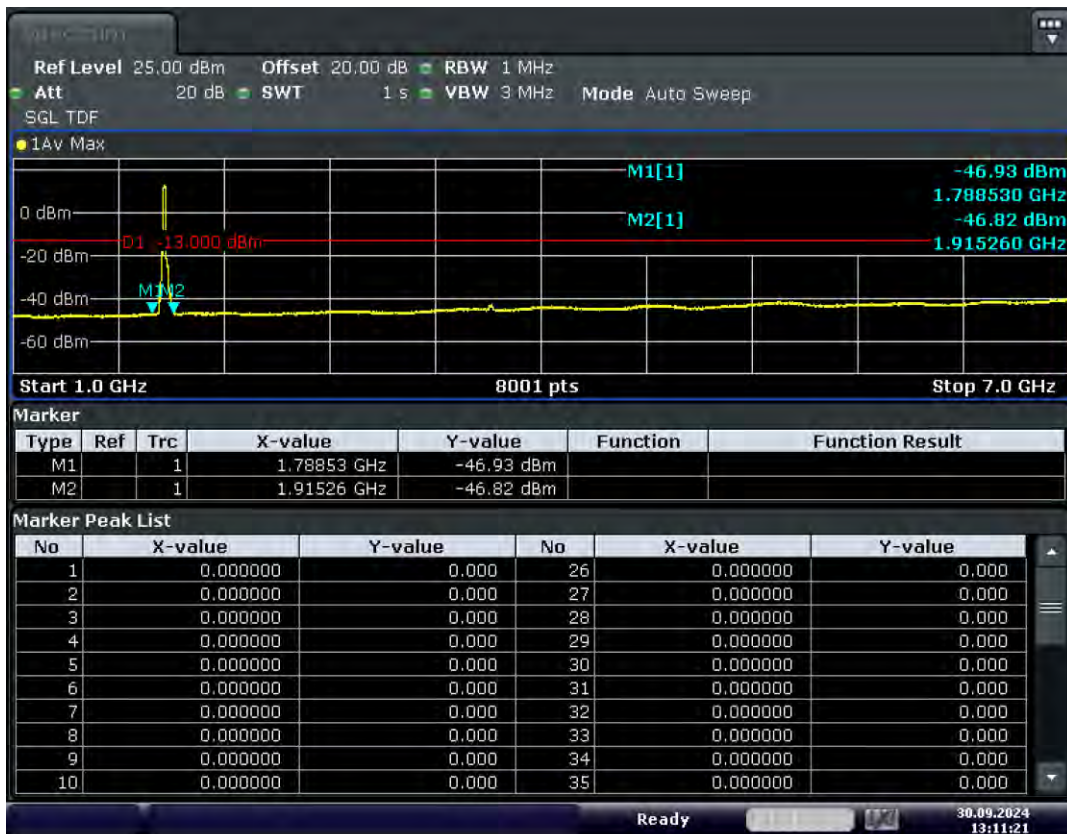
OB2-10-1905-QPSK-50#LOW@13.6GHz-20GHz@Pass



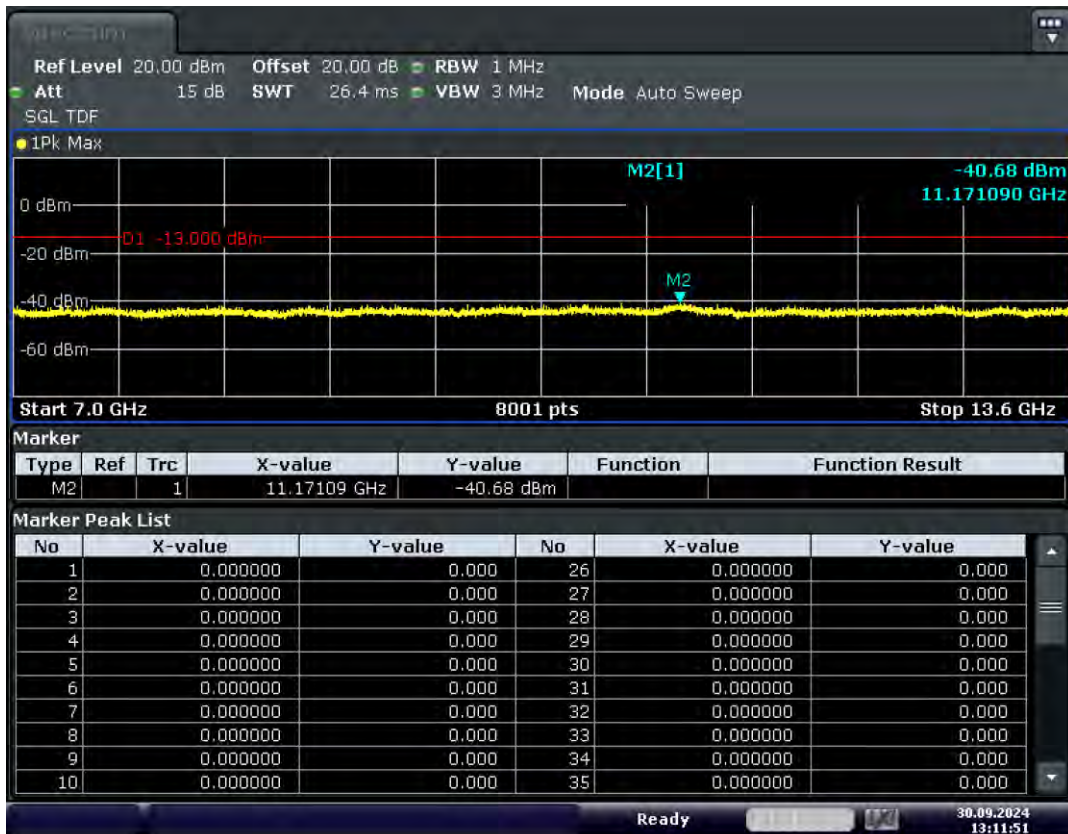
## OB2-15-1857.5-QPSK-75#LOW@30mHz-1GHz@Pass



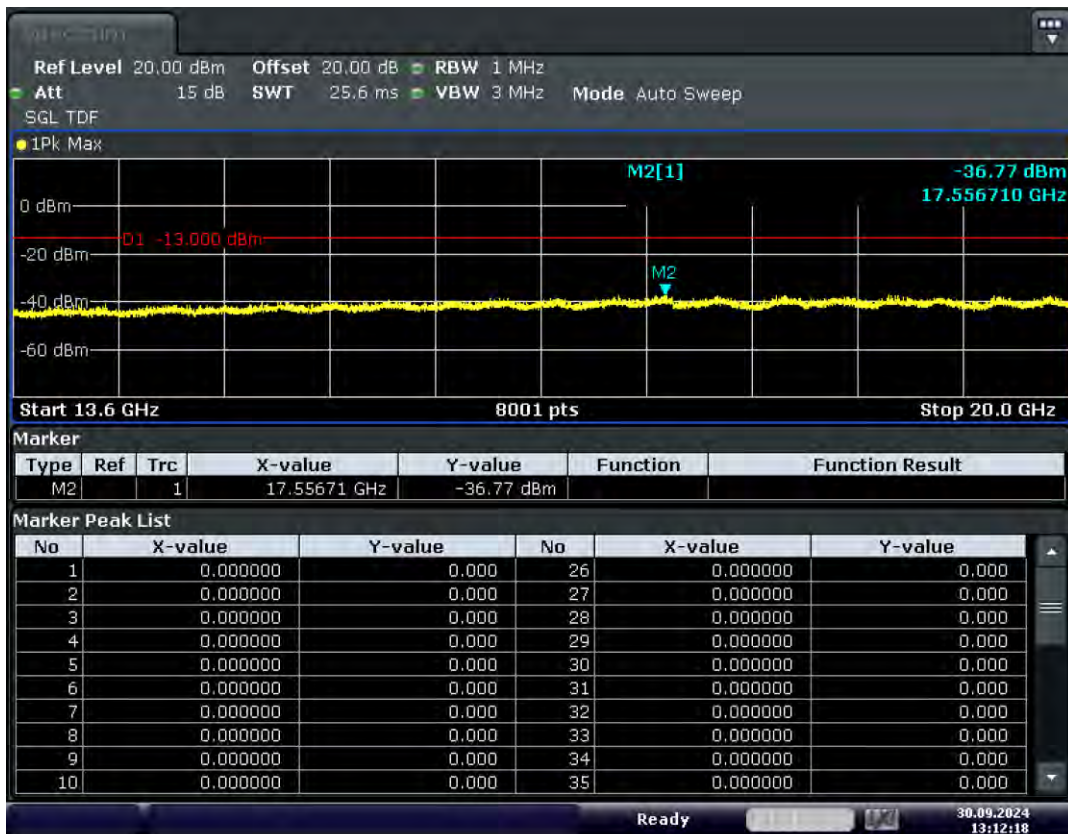
## OB2-15-1857.5-QPSK-75#LOW@1GHz-7GHz@Pass



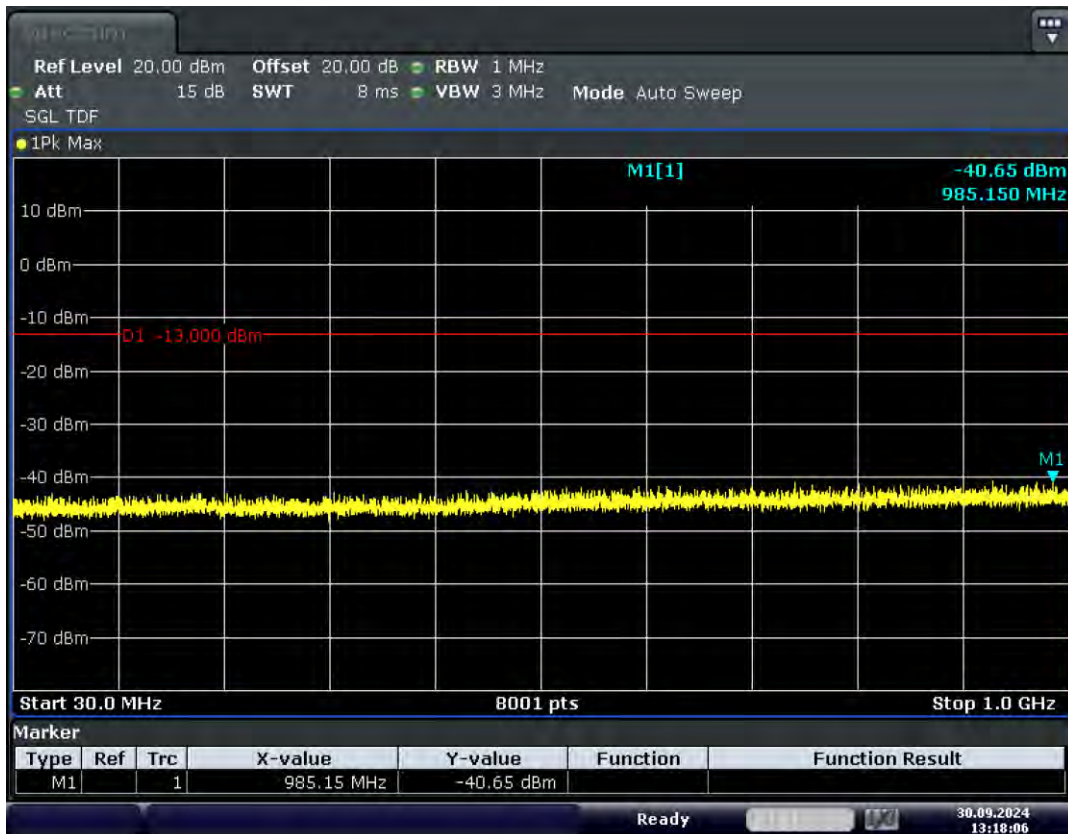
## OB2-15-1857.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



## OB2-15-1857.5-QPSK-75#LOW@13.6GHz-20GHz@Pass



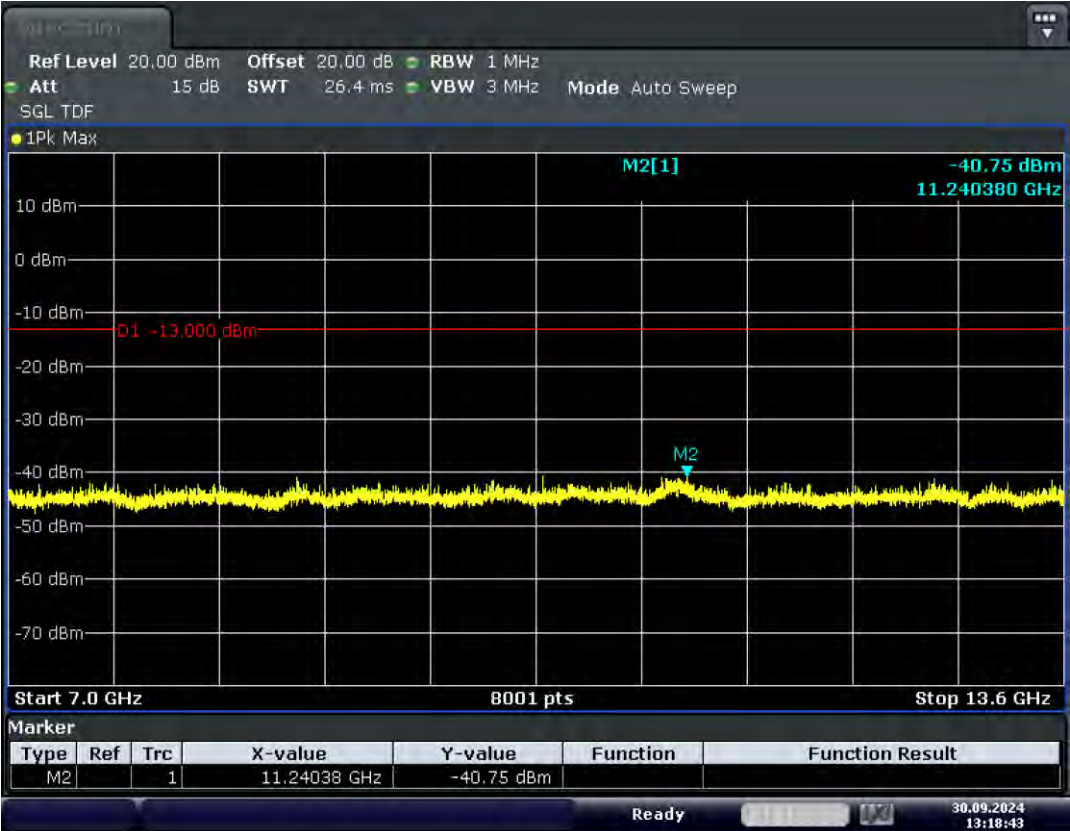
## OB2-15-1880-QPSK-75#LOW@30mHz-1GHz@Pass



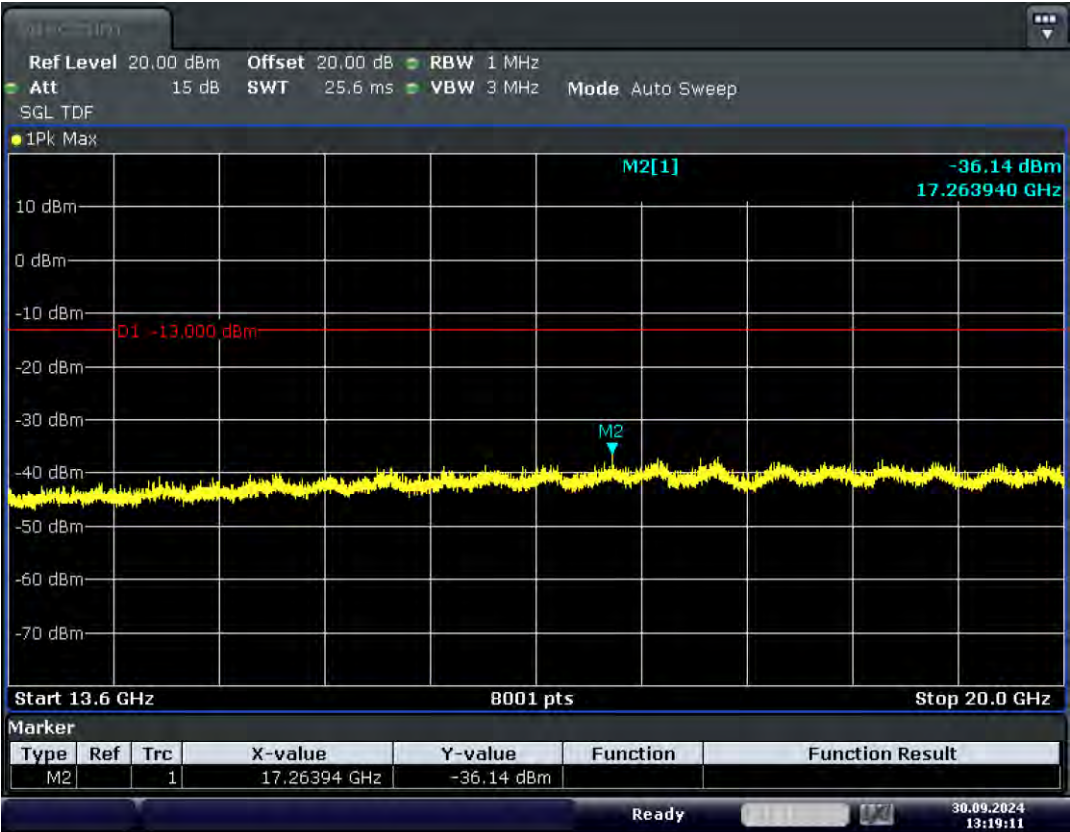
## OB2-15-1880-QPSK-75#LOW@1GHz-7GHz@Pass



OB2-15-1880-QPSK-75#LOW@7GHz-13.6GHz@Pass



OB2-15-1880-QPSK-75#LOW@13.6GHz-20GHz@Pass



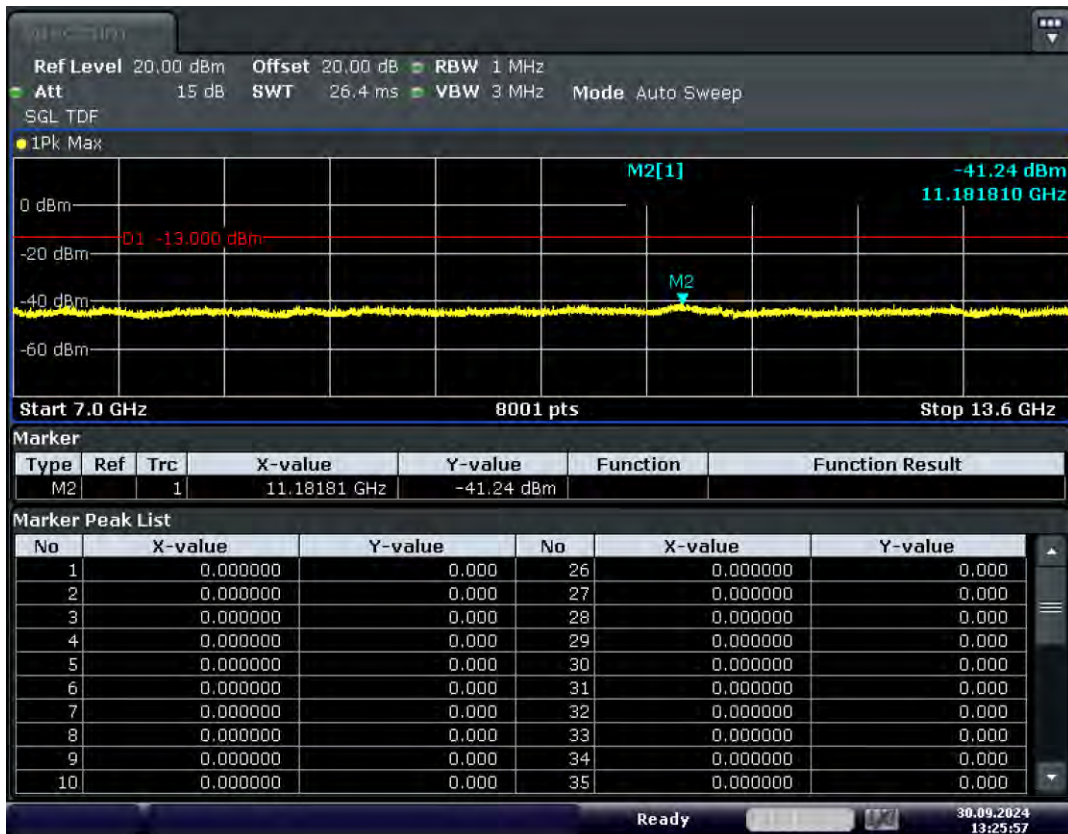
OB2-15-1902.5-QPSK-75#LOW@30mHz-1GHz@Pass



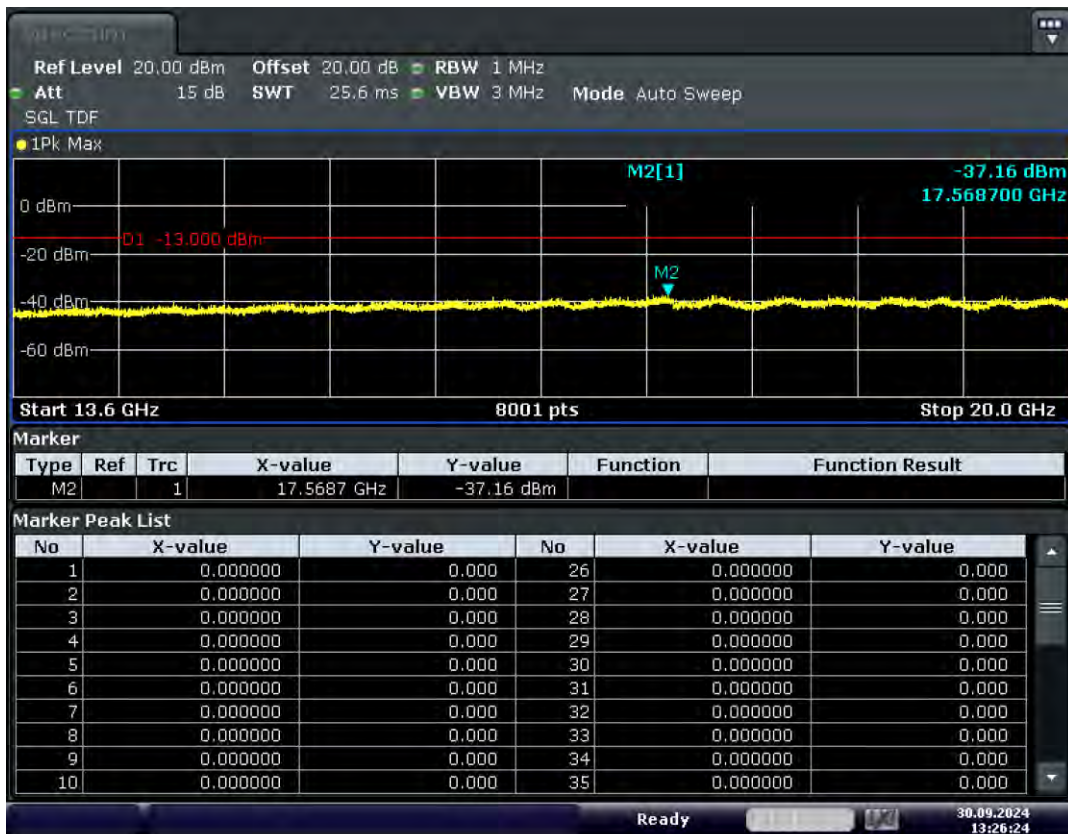
OB2-15-1902.5-QPSK-75#LOW@1GHz-7GHz@Pass



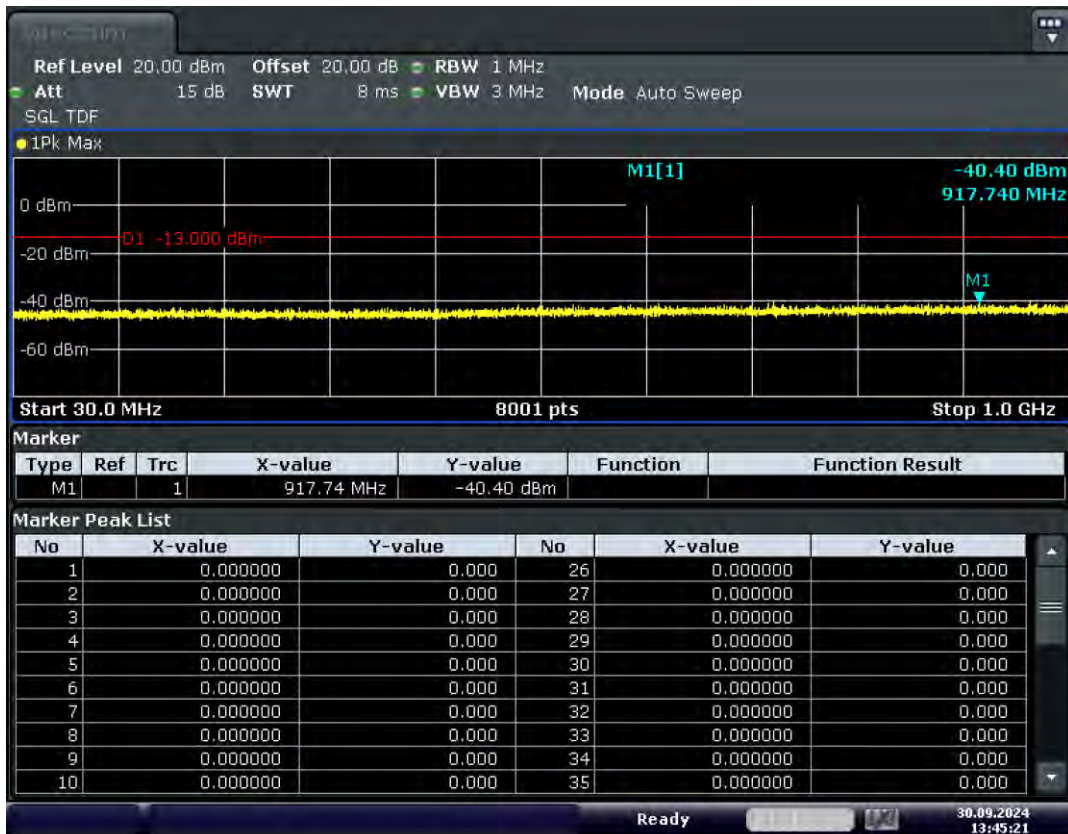
## OB2-15-1902.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



## OB2-15-1902.5-QPSK-75#LOW@13.6GHz-20GHz@Pass



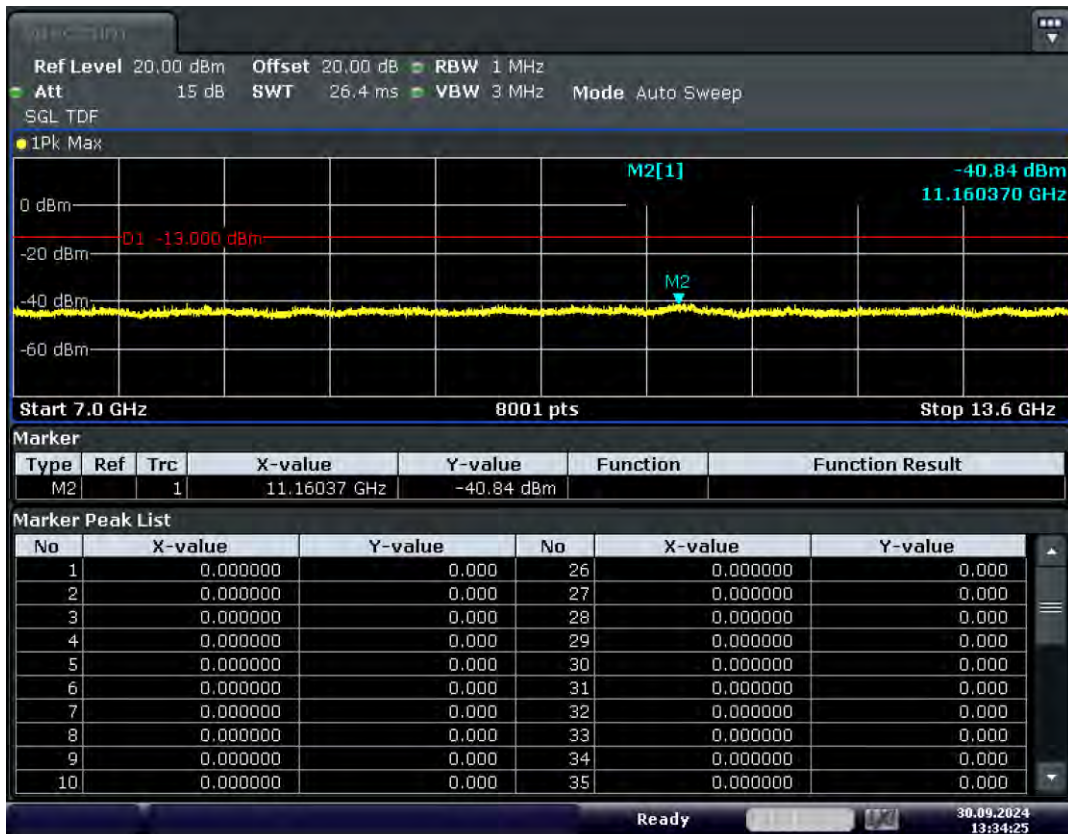
## OB2-20-1860-QPSK-100#LOW@30mHz-1GHz@Pass



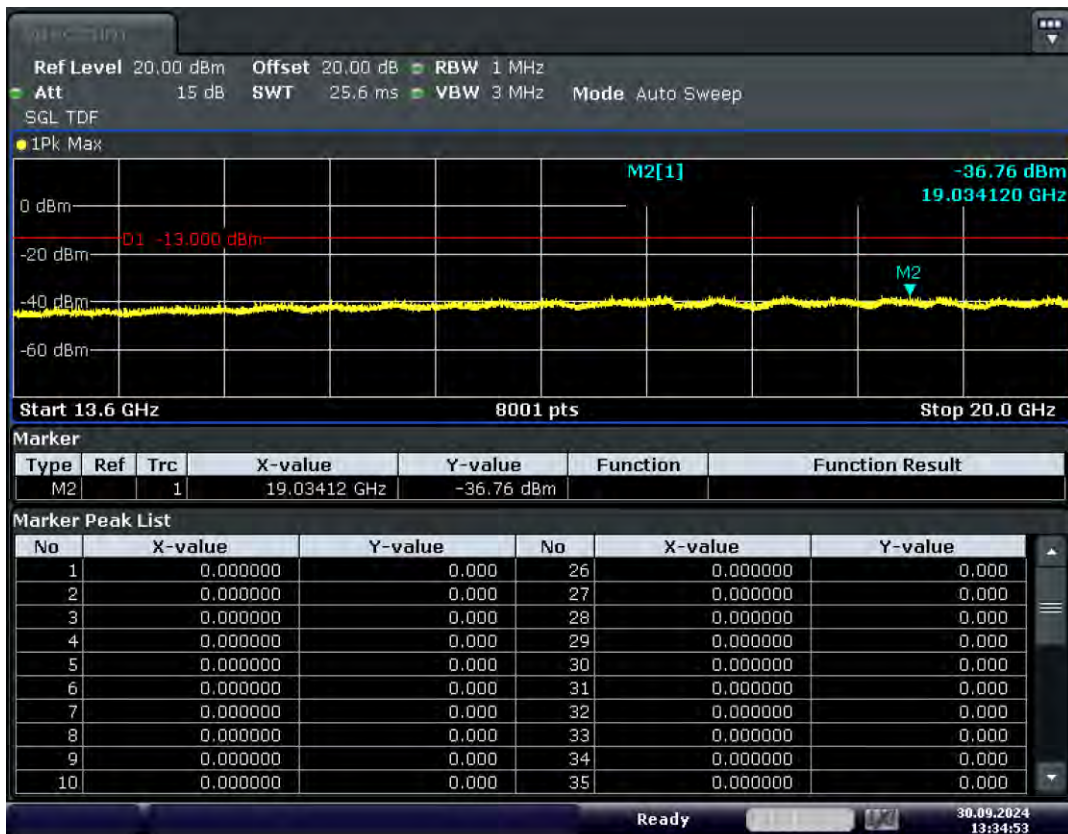
## OB2-20-1860-QPSK-100#LOW@1GHz-7GHz@Pass



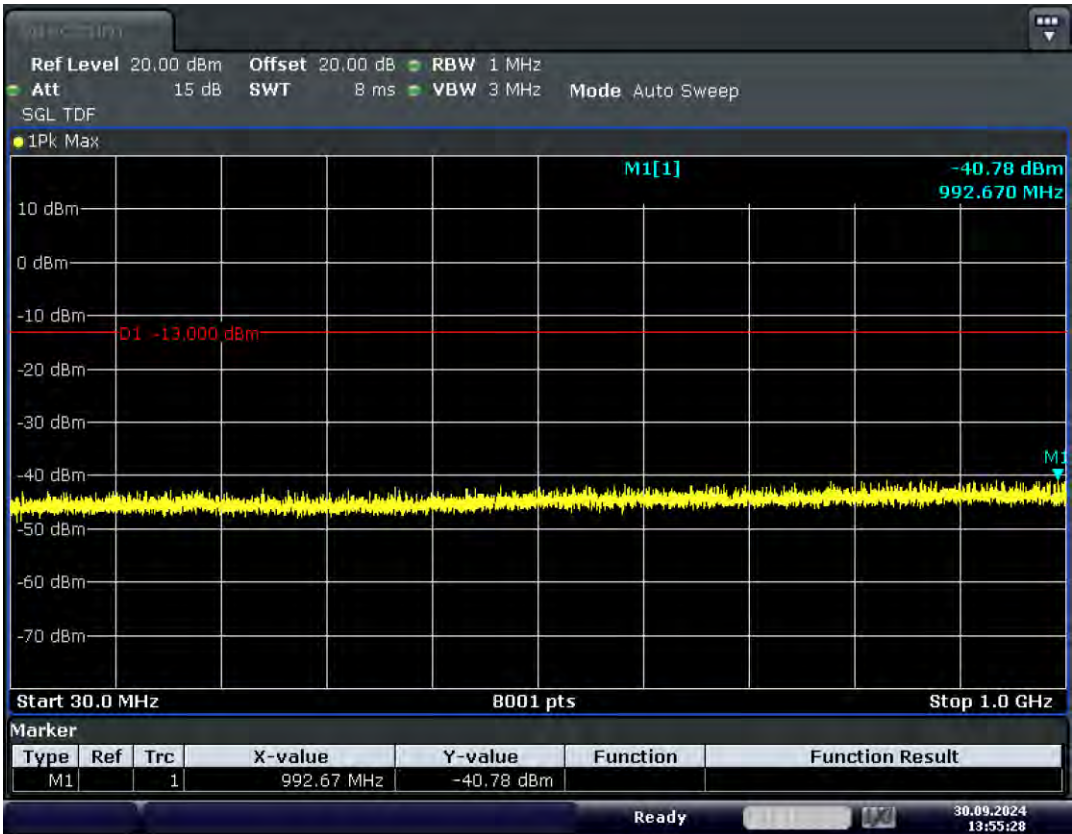
## OB2-20-1860-QPSK-100#LOW@7GHz-13.6GHz@Pass



## OB2-20-1860-QPSK-100#LOW@13.6GHz-20GHz@Pass



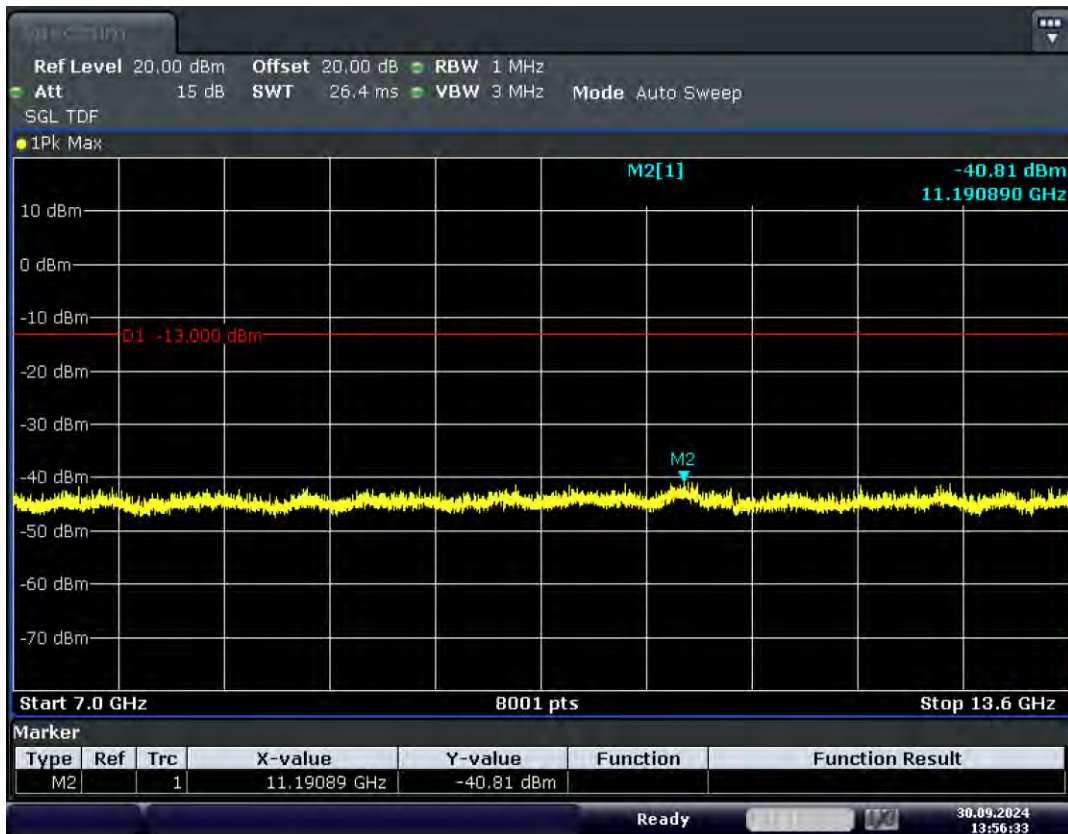
OB2-20-1880-QPSK-100#LOW@30mHz-1GHz@Pass



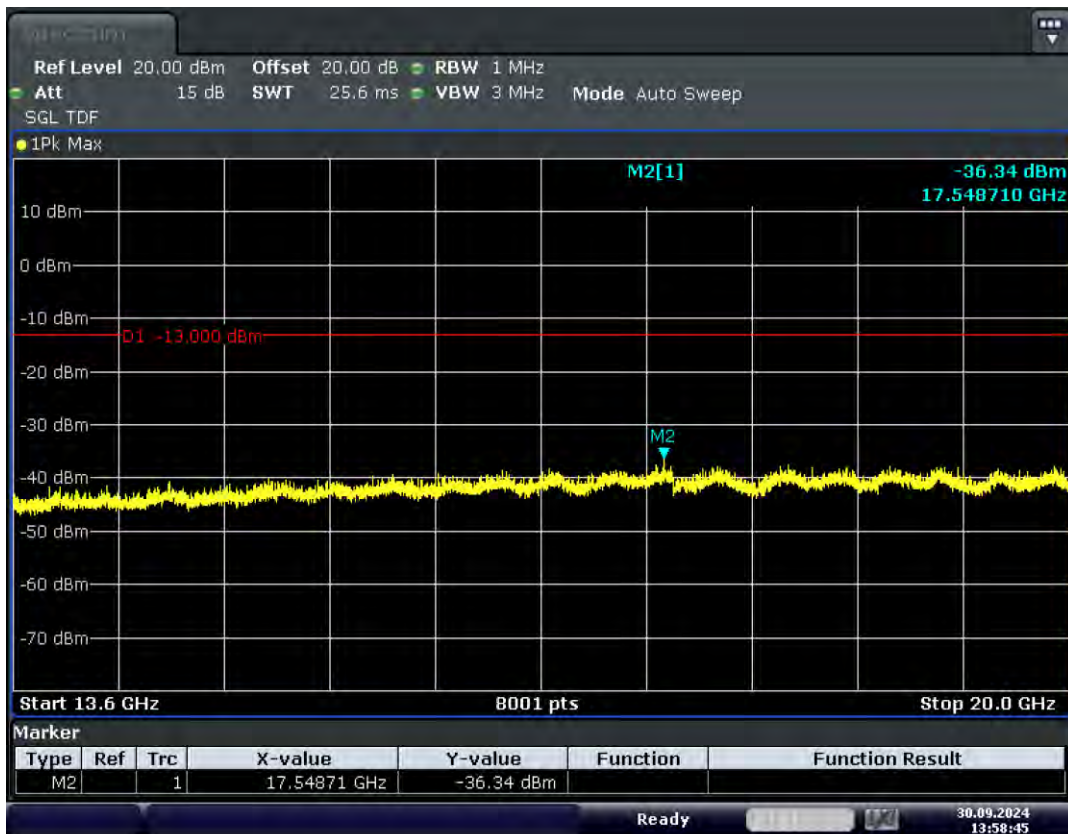
OB2-20-1880-QPSK-100#LOW@1GHz-7GHz@Pass



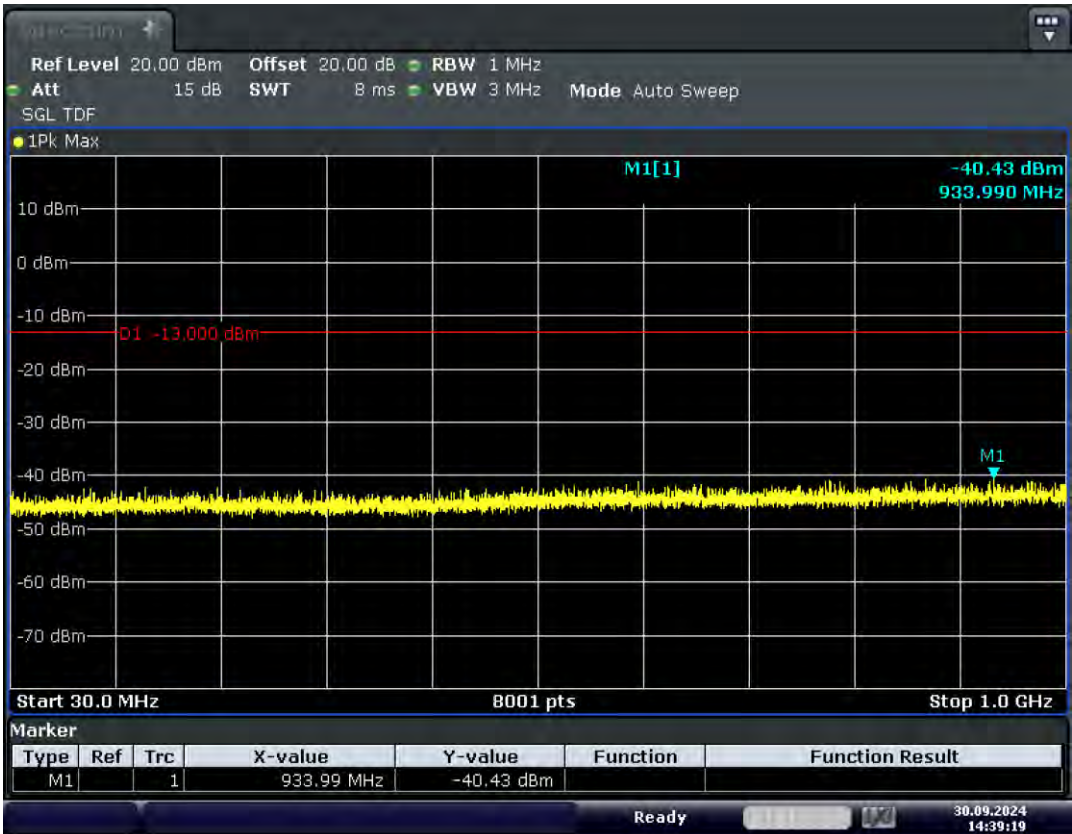
## OB2-20-1880-QPSK-100#LOW@7GHz-13.6GHz@Pass



## OB2-20-1880-QPSK-100#LOW@13.6GHz-20GHz@Pass



OB2-20-1900-QPSK-100#LOW@30mHz-1GHz@Pass



OB2-20-1900-QPSK-100#LOW@1GHz-7GHz@Pass

