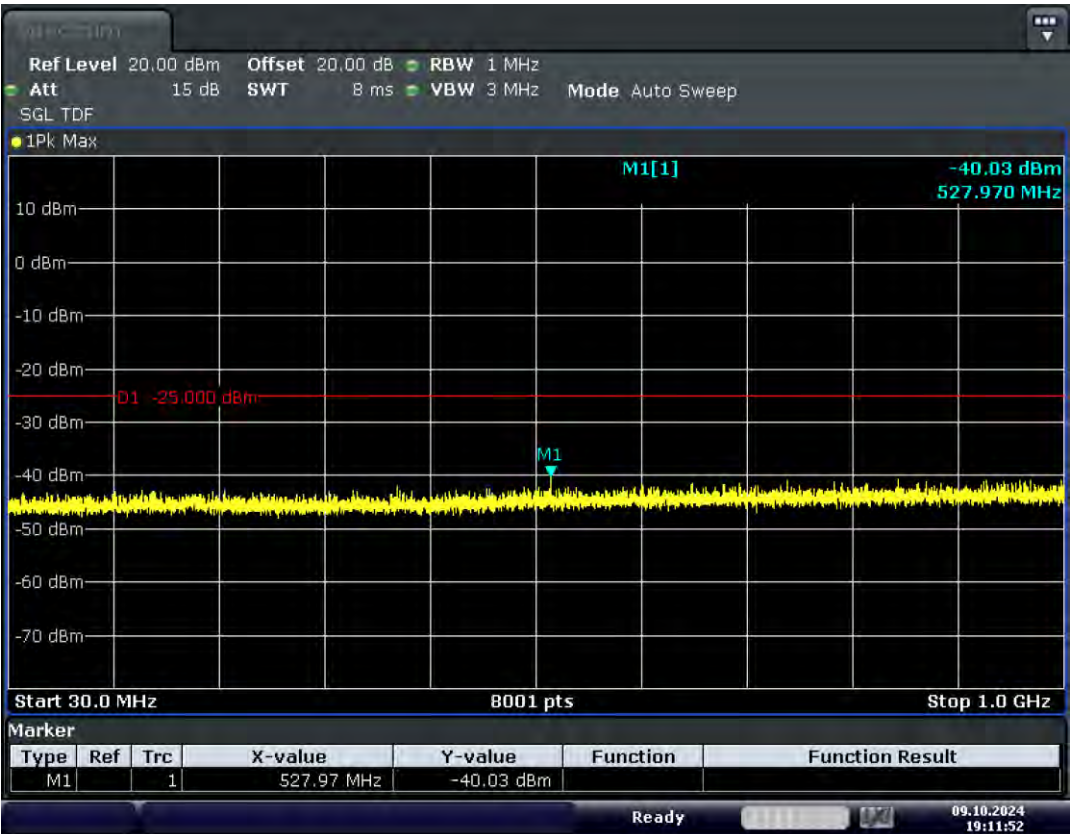


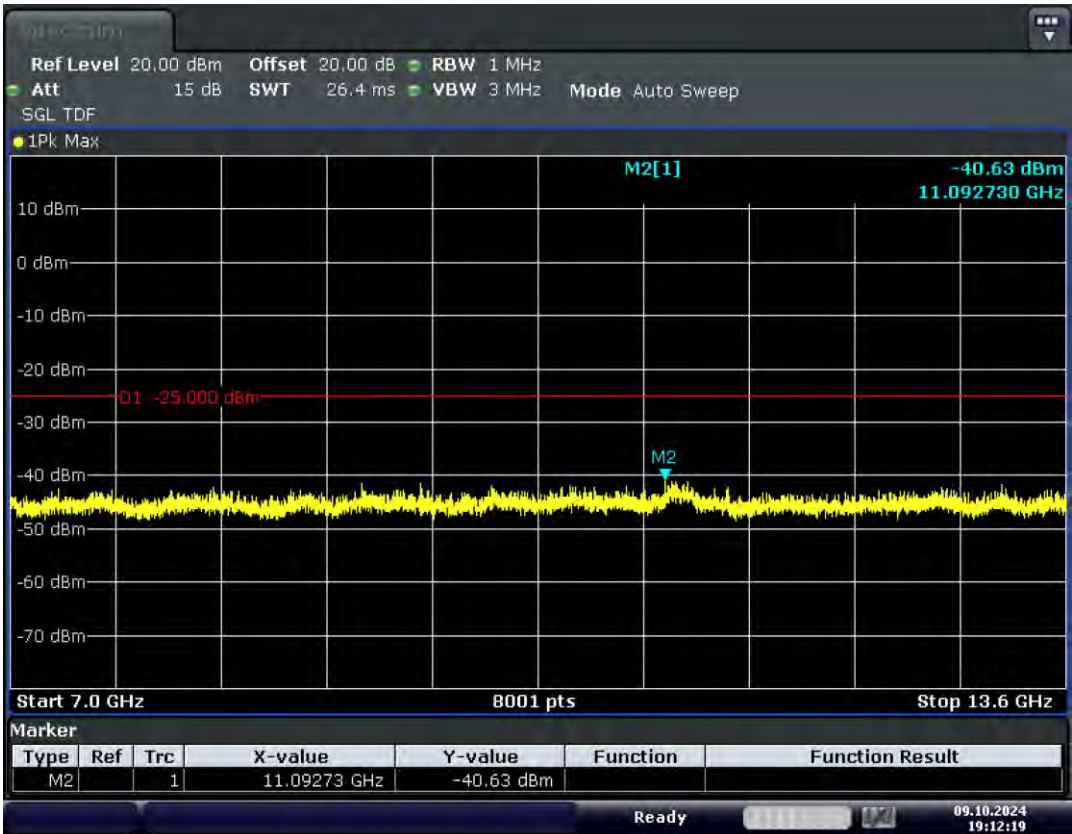
OB38-20-2595-QPSK-100#LOW@30mHz-1GHz@Pass



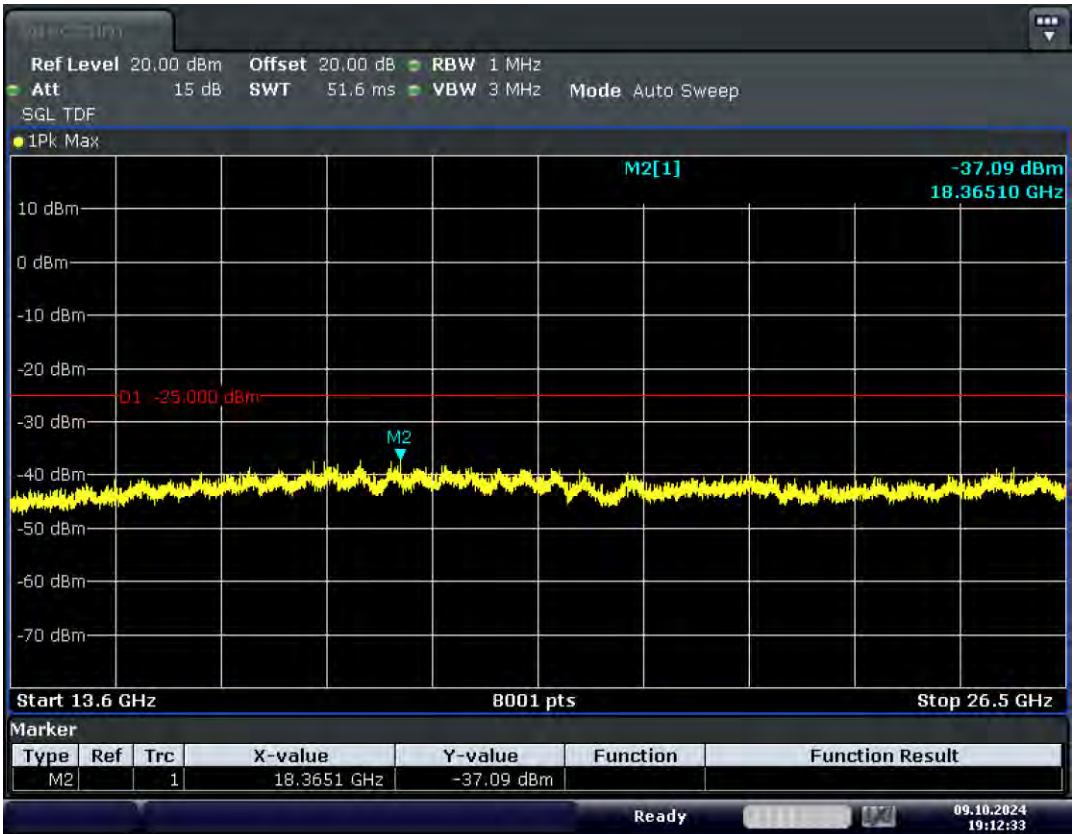
OB38-20-2595-QPSK-100#LOW@1GHz-7GHz@Pass



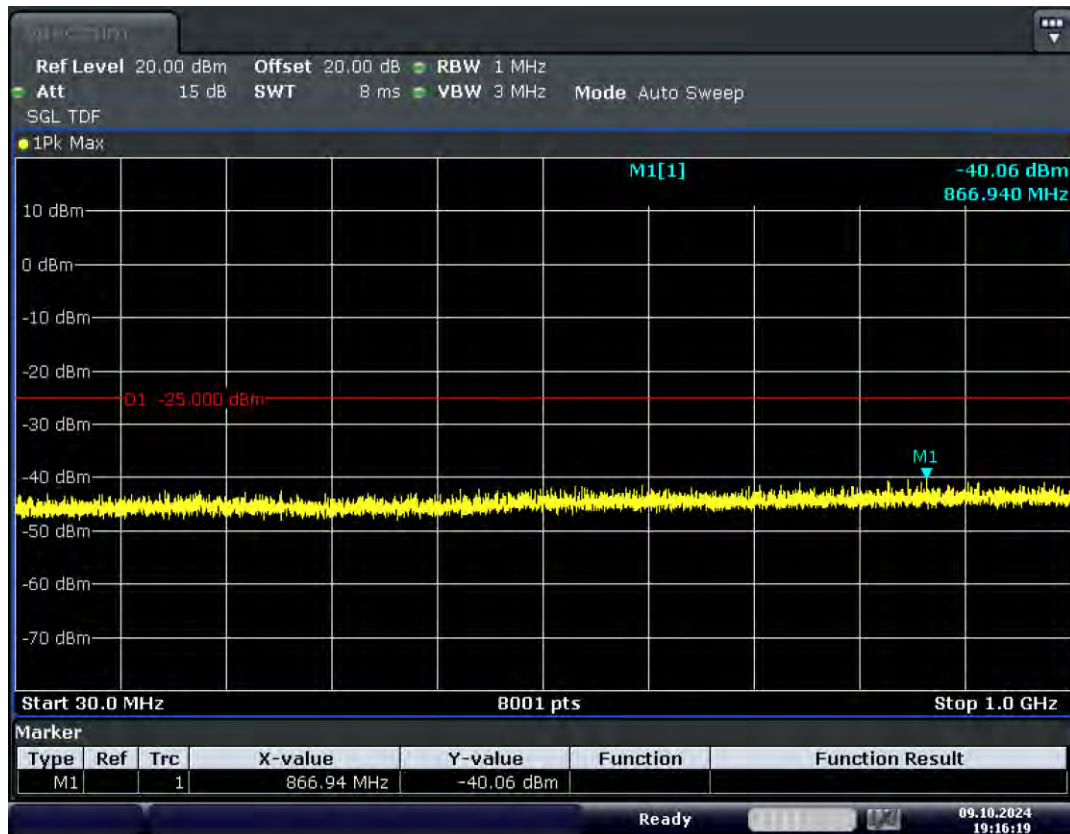
OB38-20-2595-QPSK-100#LOW@7GHz-13.6GHz@Pass



OB38-20-2595-QPSK-100#LOW@13.6GHz-26.5GHz@Pass



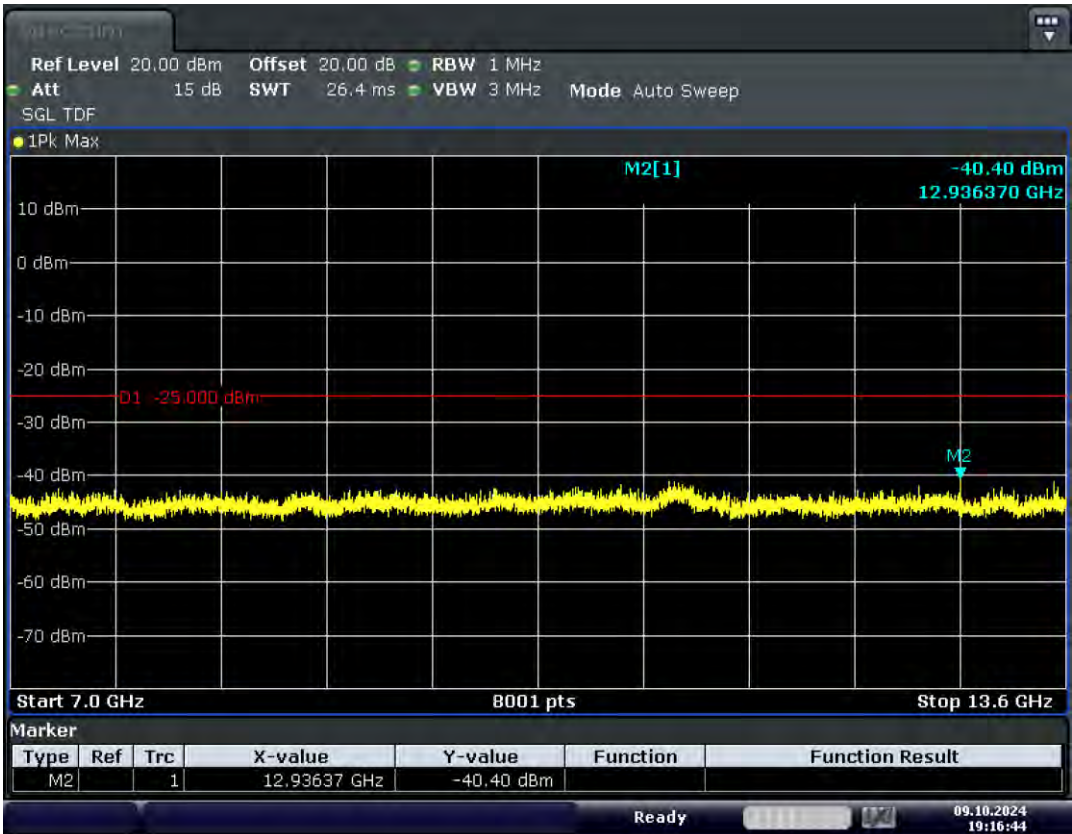
OB38-20-2595-Q16-27#LOW@30mHz-1GHz@Pass



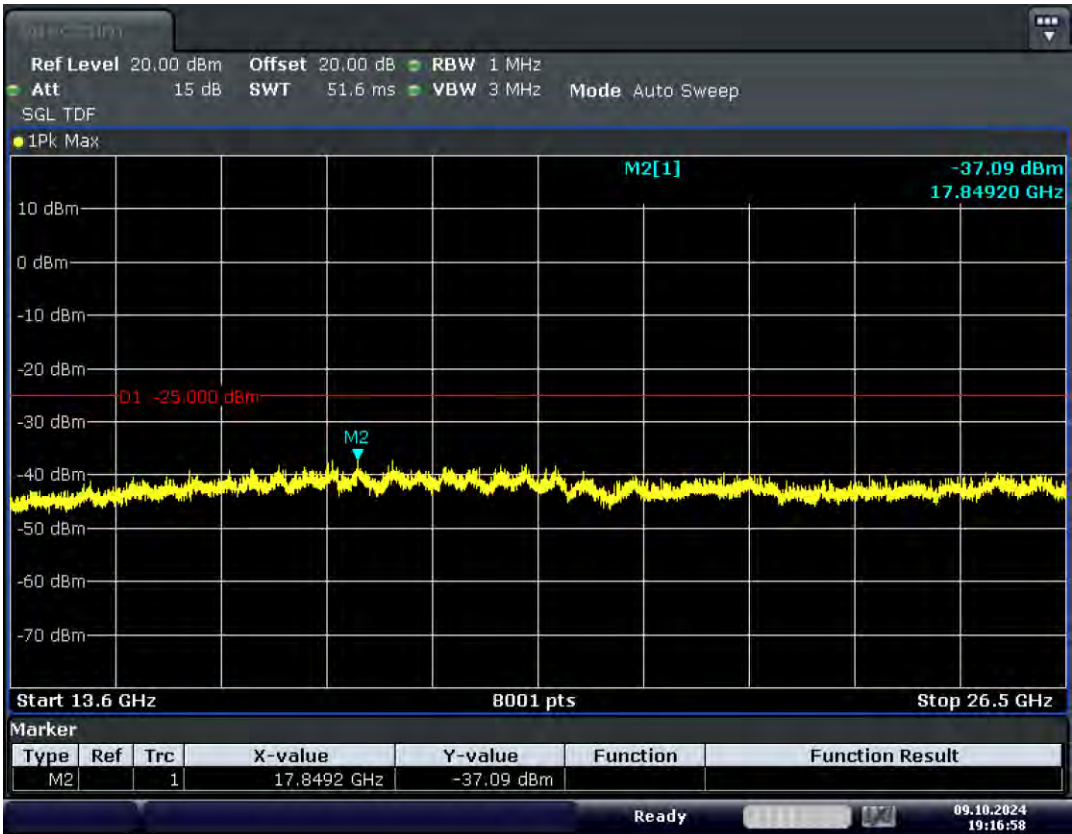
OB38-20-2595-Q16-27#LOW@1GHz-7GHz@Pass



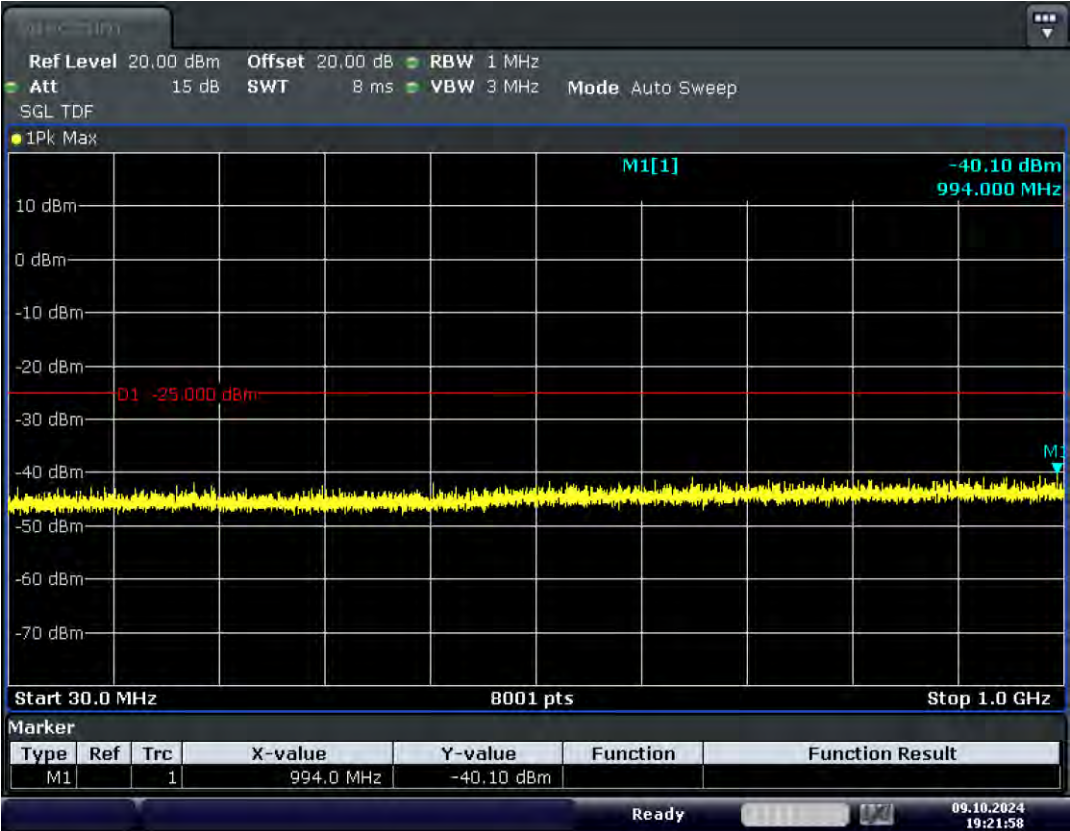
OB38-20-2595-Q16-27#LOW@7GHz-13.6GHz@Pass



OB38-20-2595-Q16-27#LOW@13.6GHz-26.5GHz@Pass



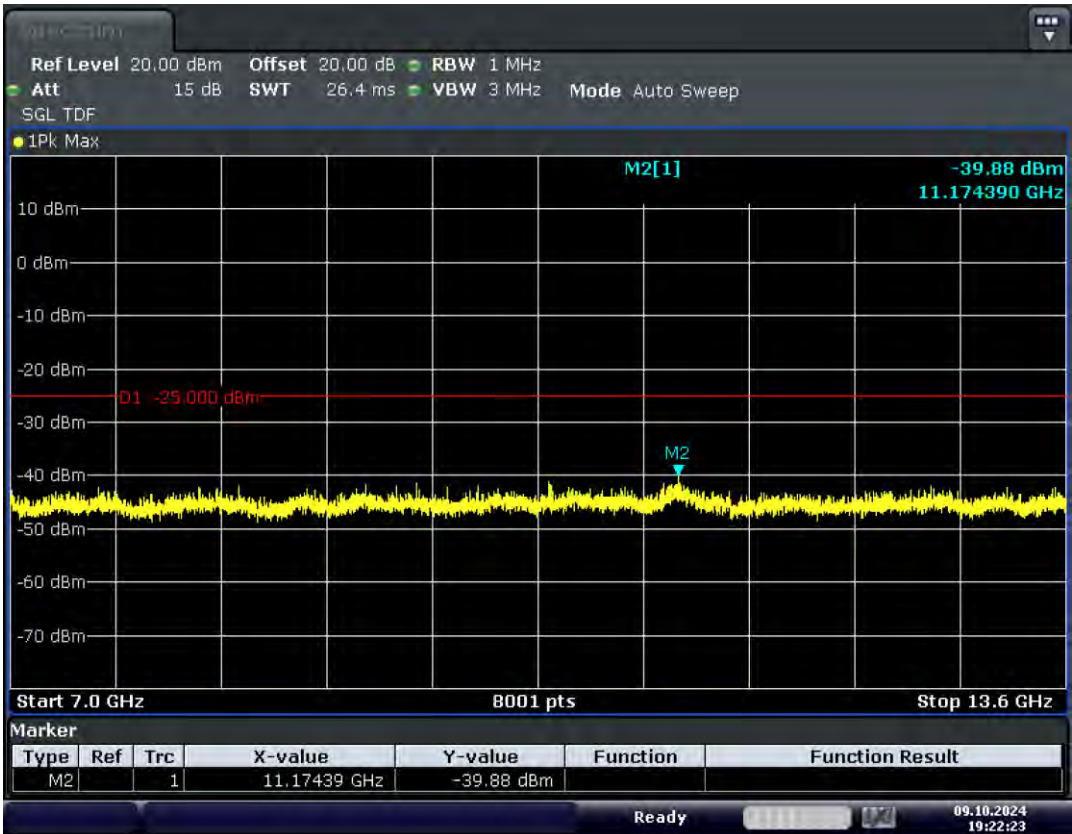
OB38-20-2610-QPSK-100#LOW@30mHz-1GHz@Pass



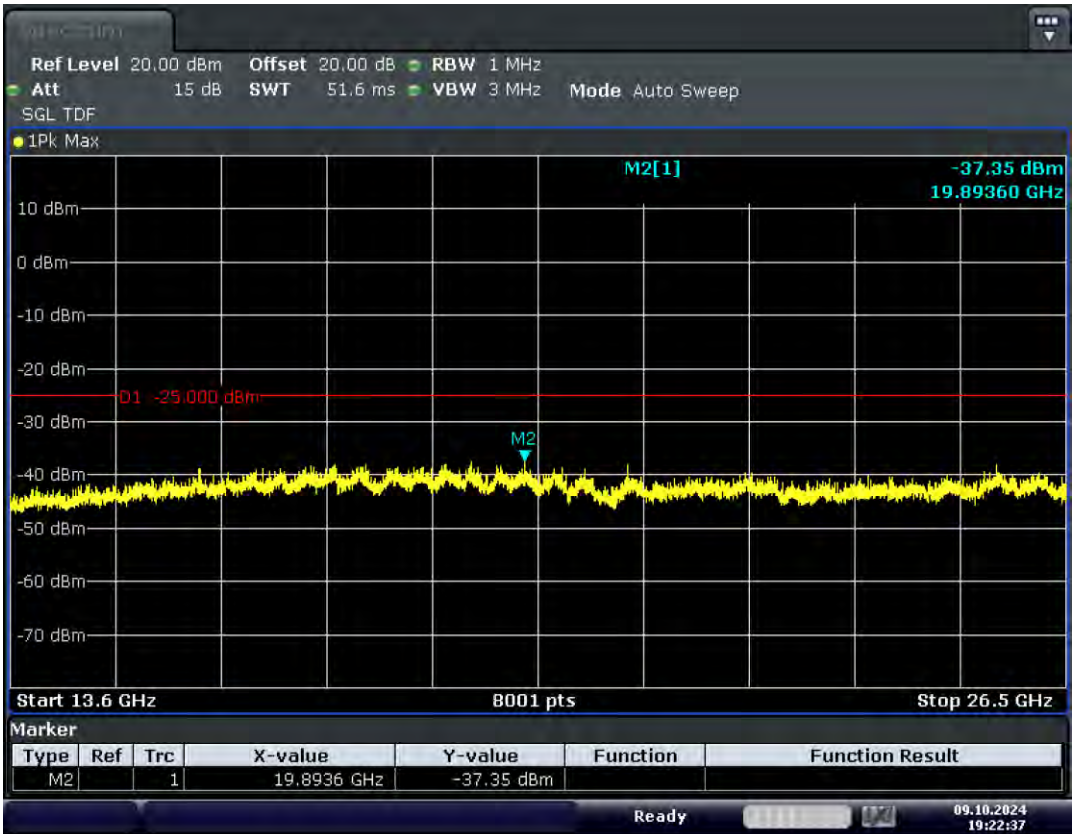
OB38-20-2610-QPSK-100#LOW@1GHz-7GHz@Pass



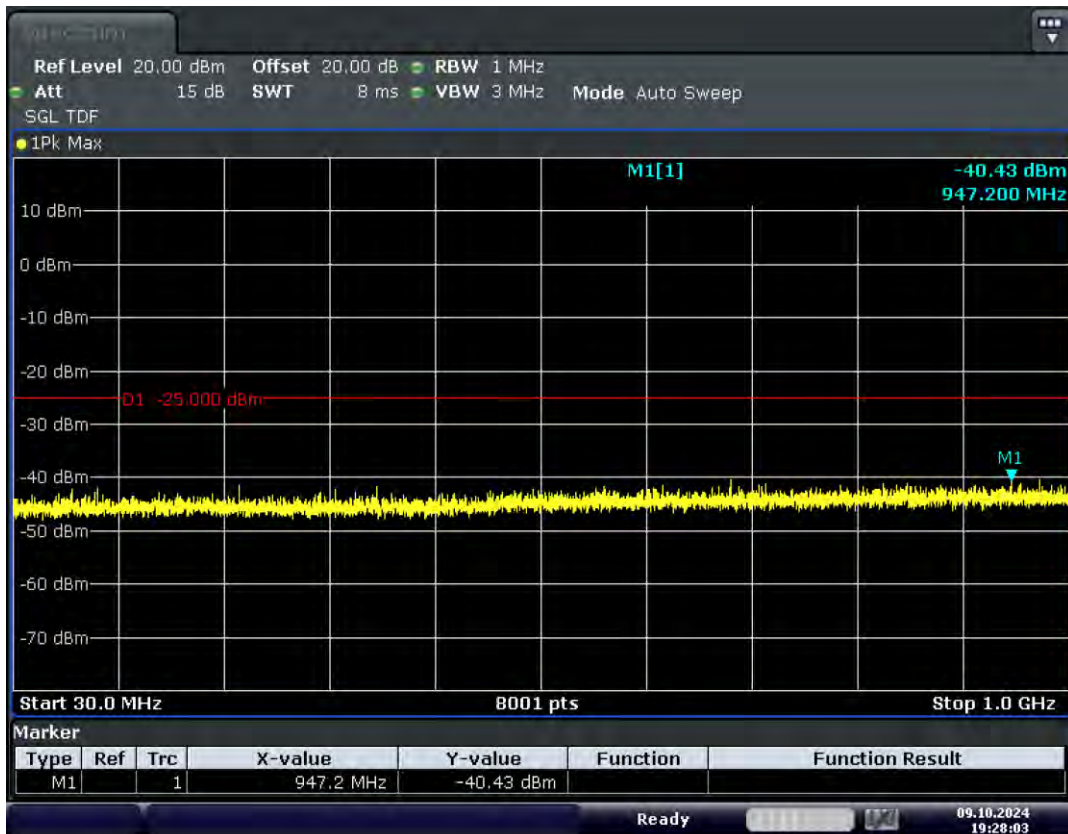
OB38-20-2610-QPSK-100#LOW@7GHz-13.6GHz@Pass



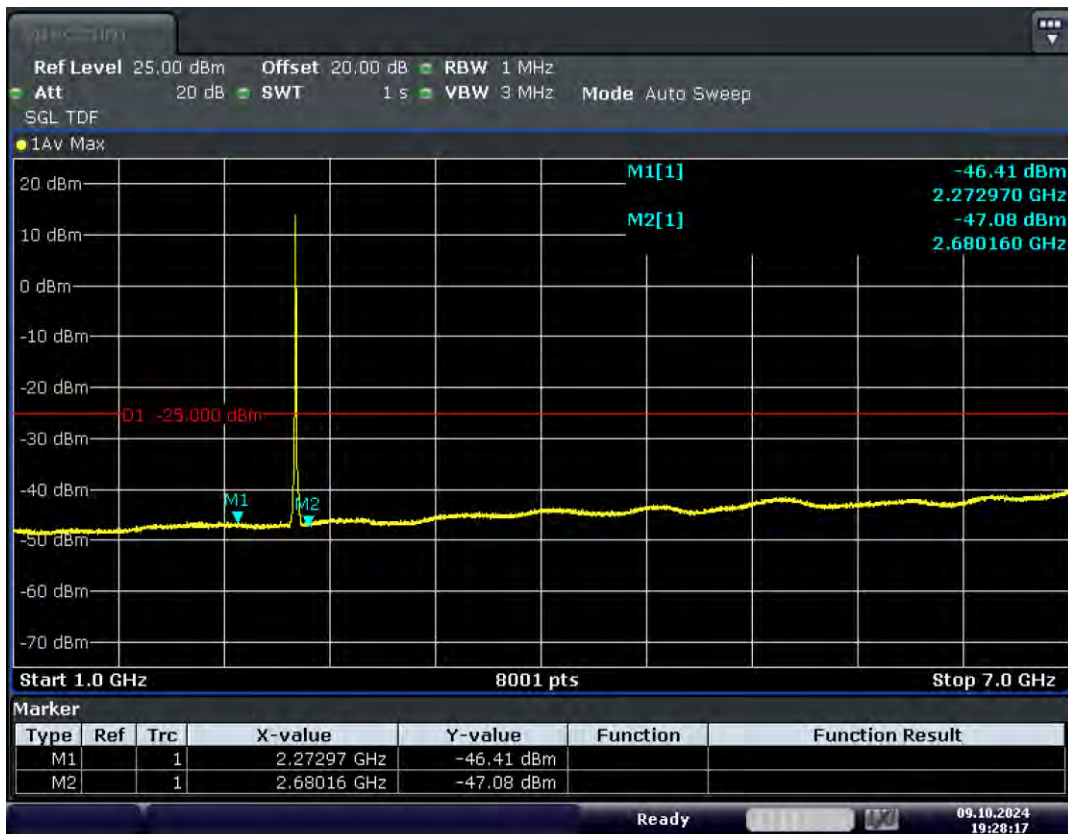
OB38-20-2610-QPSK-100#LOW@13.6GHz-26.5GHz@Pass



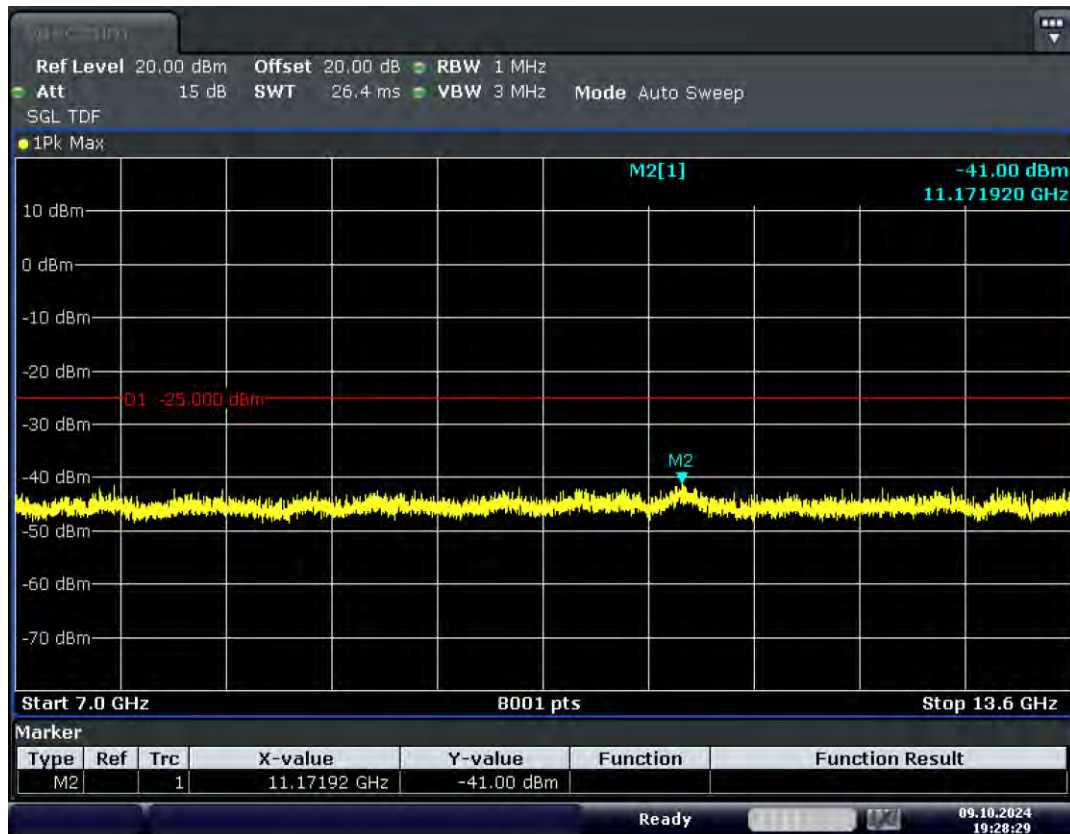
OB38-20-2610-Q16-27#LOW@30mHz-1GHz@Pass



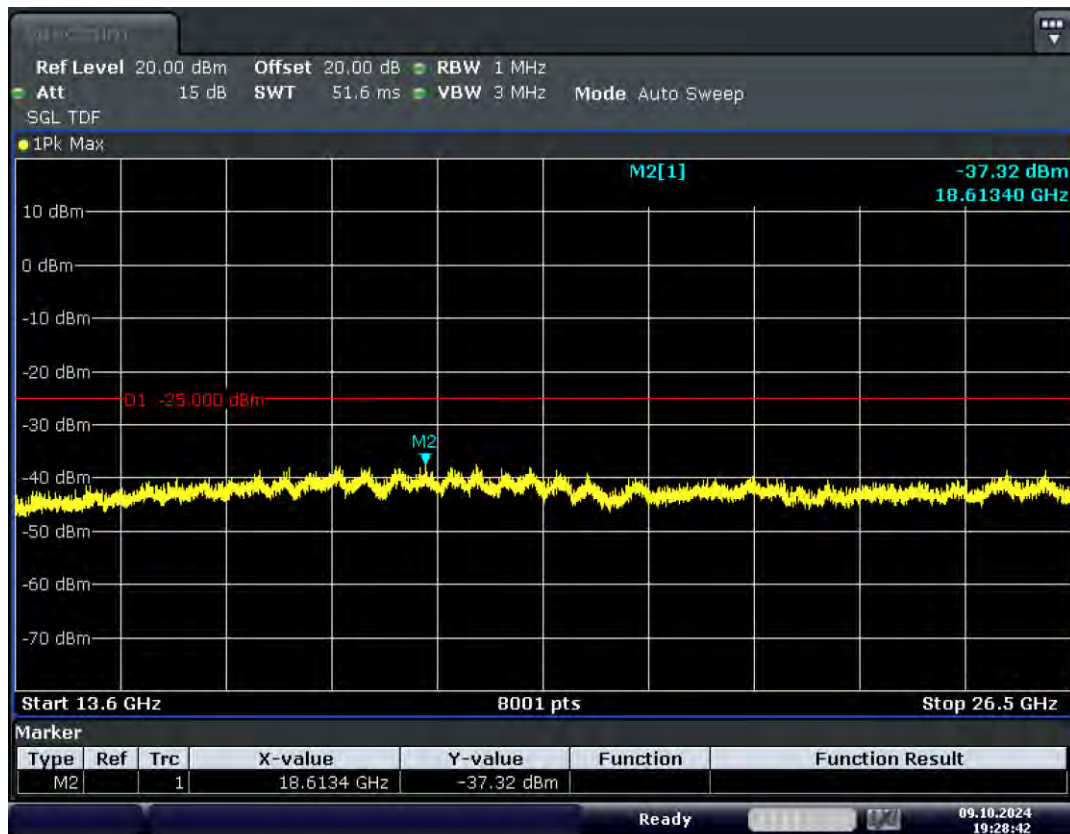
OB38-20-2610-Q16-27#LOW@1GHz-7GHz@Pass



## OB38-20-2610-Q16-27#LOW@7GHz-13.6GHz@Pass



## OB38-20-2610-Q16-27#LOW@13.6GHz-26.5GHz@Pass



## Emission bandwidth and OBW

| Band   | Bandwidth(MHz) | UL<br>Frequency(MHz) | Modulation | RB Size | RB Offset | Occupied<br>Bandwidth(MHz) | Emission<br>Bandwidth(MHz) | Limit    |
|--------|----------------|----------------------|------------|---------|-----------|----------------------------|----------------------------|----------|
| Band38 | 5              | 2572.5               | QPSK       | 25      | LOW       | 4.558                      | 5.01                       | No limit |
| Band38 | 5              | 2572.5               | 16QAM      | 25      | LOW       | 4.538                      | 5.005                      | No limit |
| Band38 | 5              | 2595                 | QPSK       | 25      | LOW       | 4.588                      | 5.015                      | No limit |
| Band38 | 5              | 2595                 | 16QAM      | 25      | LOW       | 4.578                      | 5.045                      | No limit |
| Band38 | 5              | 2617.5               | QPSK       | 25      | LOW       | 4.583                      | 5.005                      | No limit |
| Band38 | 5              | 2617.5               | 16QAM      | 25      | LOW       | 4.598                      | 5.28                       | No limit |
| Band38 | 10             | 2575                 | QPSK       | 50      | LOW       | 9.185                      | 11.23                      | No limit |
| Band38 | 10             | 2575                 | 16QAM      | 27      | LOW       | 5.237                      | 6.69                       | No limit |
| Band38 | 10             | 2595                 | QPSK       | 50      | LOW       | 9.165                      | 10.98                      | No limit |
| Band38 | 10             | 2595                 | 16QAM      | 27      | LOW       | 5.257                      | 7.66                       | No limit |
| Band38 | 10             | 2615                 | QPSK       | 50      | LOW       | 9.215                      | 10.12                      | No limit |
| Band38 | 10             | 2615                 | 16QAM      | 27      | LOW       | 5.237                      | 6.39                       | No limit |
| Band38 | 15             | 2577.5               | QPSK       | 75      | LOW       | 13.553                     | 14.835                     | No limit |
| Band38 | 15             | 2577.5               | 16QAM      | 27      | LOW       | 13.583                     | 15.285                     | No limit |
| Band38 | 15             | 2595                 | QPSK       | 75      | LOW       | 13.523                     | 14.67                      | No limit |
| Band38 | 15             | 2595                 | 16QAM      | 27      | LOW       | 5.217                      | 6.33                       | No limit |
| Band38 | 15             | 2612.5               | QPSK       | 75      | LOW       | 13.568                     | 14.745                     | No limit |
| Band38 | 15             | 2612.5               | 16QAM      | 27      | LOW       | 5.277                      | 6.6                        | No limit |
| Band38 | 20             | 2580                 | QPSK       | 100     | LOW       | 18.351                     | 20.48                      | No limit |
| Band38 | 20             | 2580                 | 16QAM      | 27      | LOW       | 5.957                      | 7.32                       | No limit |
| Band38 | 20             | 2595                 | QPSK       | 100     | LOW       | 18.331                     | 20.64                      | No limit |
| Band38 | 20             | 2595                 | 16QAM      | 27      | LOW       | 5.957                      | 7.2                        | No limit |
| Band38 | 20             | 2610                 | QPSK       | 100     | LOW       | 18.391                     | 20.5                       | No limit |
| Band38 | 20             | 2610                 | 16QAM      | 27      | LOW       | 5.977                      | 7.2                        | No limit |

## Band38-5-2572.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



## Band38-5-2572.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



Band38-5-2595-QPSK-25#LOW@26dB and 99PCT Bandwidth



Band38-5-2595-16QAM-25#LOW@26dB and 99PCT Bandwidth



## Band38-5-2617.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



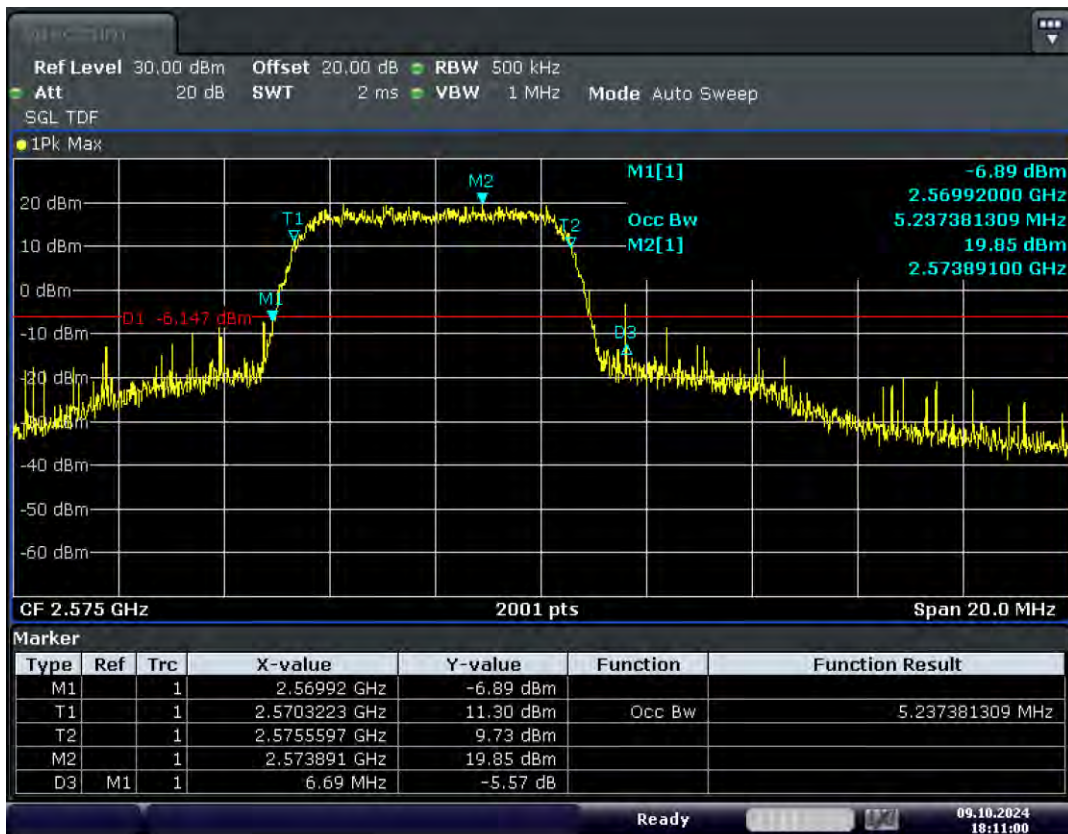
## Band38-5-2617.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



## Band38-10-2575-QPSK-50#LOW@26dB and 99PCT Bandwidth



## Band38-10-2575-16QAM-27#LOW@26dB and 99PCT Bandwidth



Band38-10-2595-QPSK-50#LOW@26dB and 99PCT Bandwidth



Band38-10-2595-16QAM-27#LOW@26dB and 99PCT Bandwidth



## Band38-10-2615-QPSK-50#LOW@26dB and 99PCT Bandwidth



## Band38-10-2615-16QAM-27#LOW@26dB and 99PCT Bandwidth



Band38-15-2577.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



Band38-15-2577.5-16QAM-27#LOW@26dB and 99PCT Bandwidth



Band38-15-2595-QPSK-75#LOW@26dB and 99PCT Bandwidth



Band38-15-2595-16QAM-27#LOW@26dB and 99PCT Bandwidth



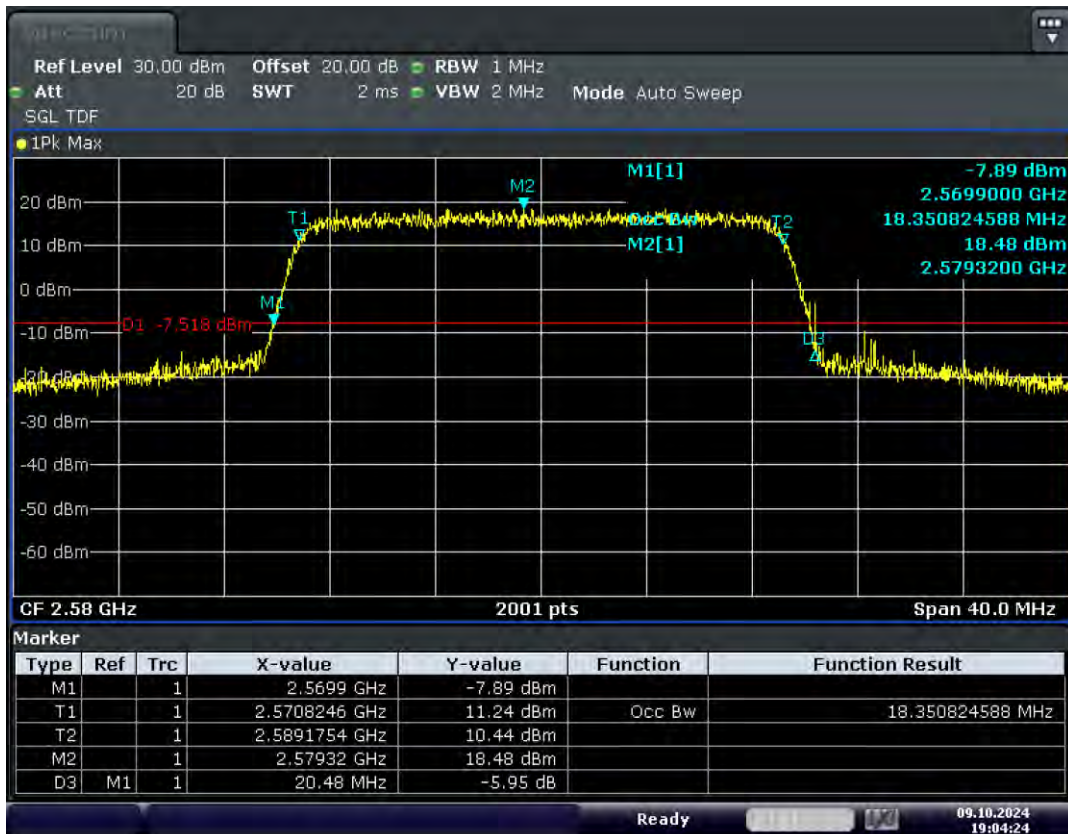
## Band38-15-2612.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



## Band38-15-2612.5-16QAM-27#LOW@26dB and 99PCT Bandwidth



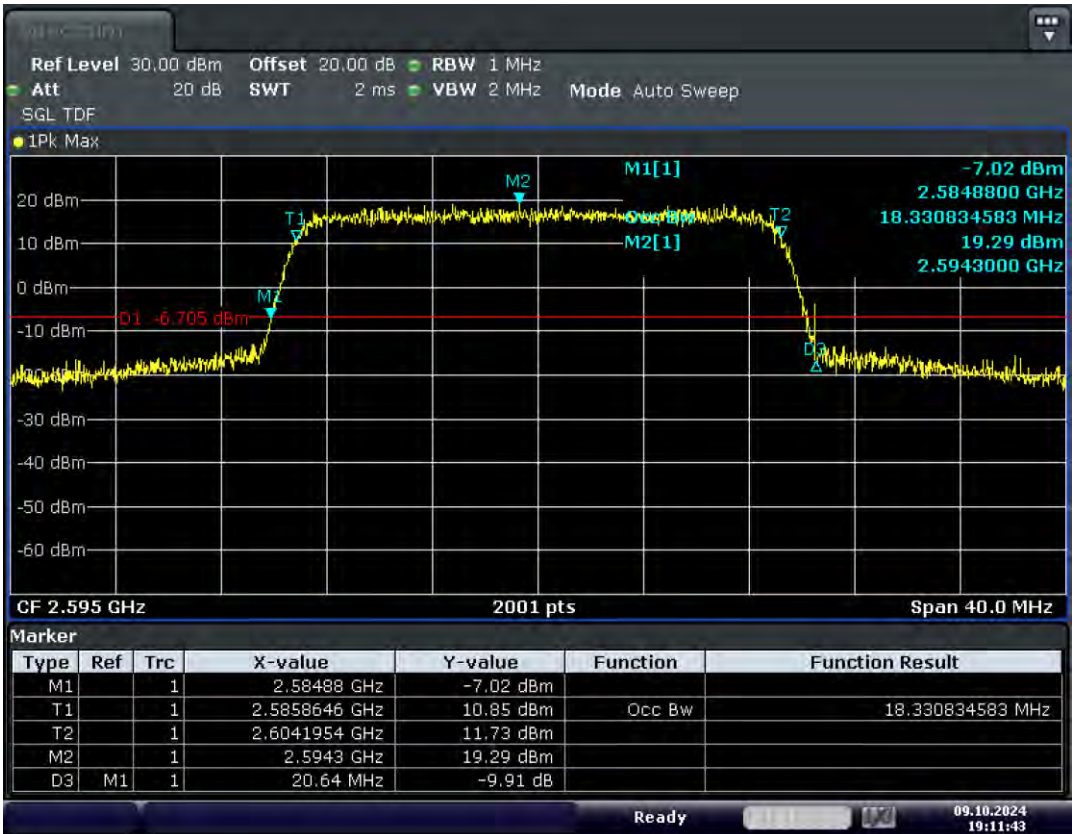
## Band38-20-2580-QPSK-100#LOW@26dB and 99PCT Bandwidth



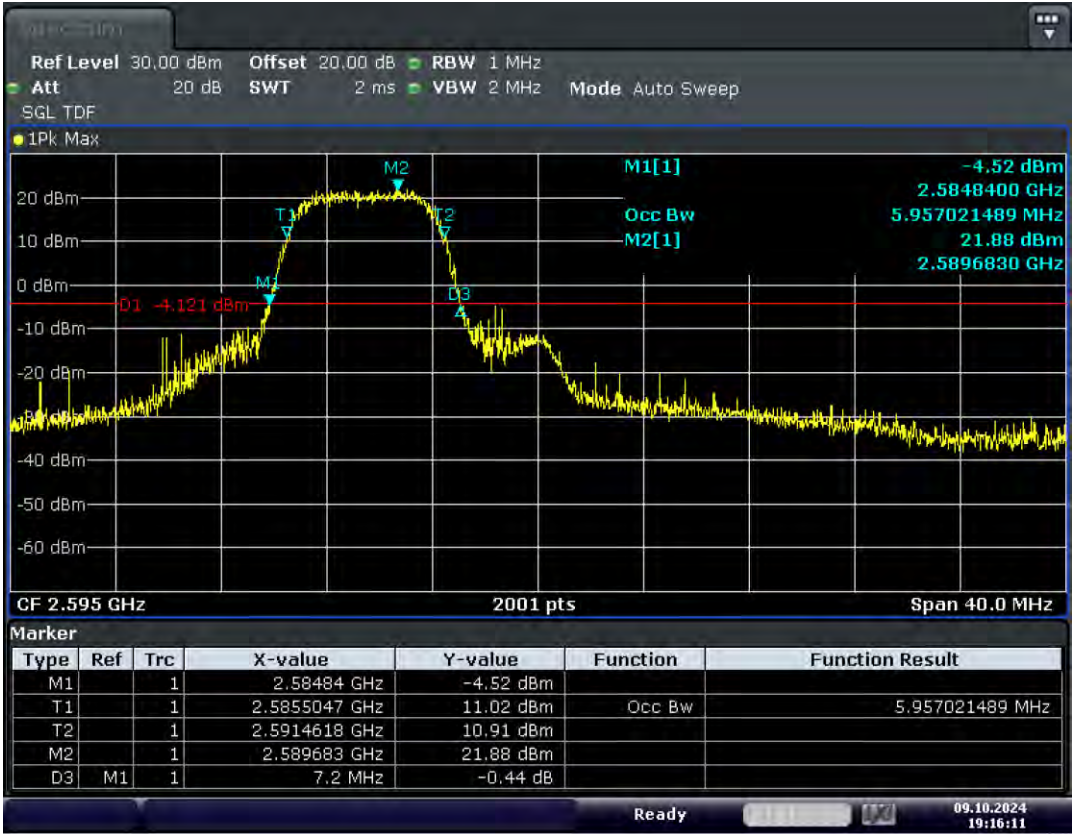
## Band38-20-2580-16QAM-27#LOW@26dB and 99PCT Bandwidth



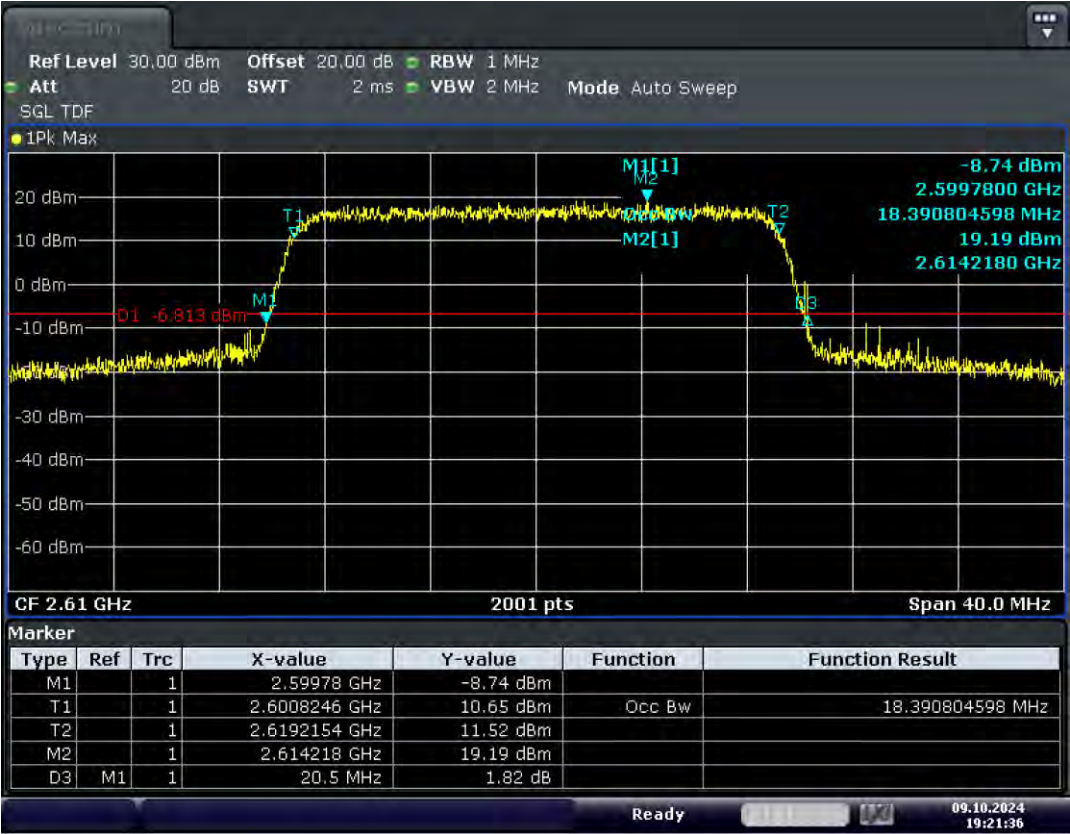
Band38-20-2595-QPSK-100#LOW@26dB and 99PCT Bandwidth



Band38-20-2595-16QAM-27#LOW@26dB and 99PCT Bandwidth



Band38-20-2610-QPSK-100#LOW@26dB and 99PCT Bandwidth



Band38-20-2610-16QAM-27#LOW@26dB and 99PCT Bandwidth



## Frequency Stability

| Test Conditions  |                   | LTE Band 38<br>(QPSK) / Middle<br>Channel | Limit  |
|------------------|-------------------|-------------------------------------------|--------|
| Temperature (°C) | Voltage (Volt)    | BW 5MHz                                   | 2.5ppm |
|                  |                   | Deviation (ppm)                           | Result |
| 50               | Normal Voltage    | 0.0673                                    | PASS   |
| 40               | Normal Voltage    | 0.0389                                    |        |
| 30               | Normal Voltage    | 0.0161                                    |        |
| 20(Ref.)         | Normal Voltage    | 0.0287                                    |        |
| 10               | Normal Voltage    | 0.0597                                    |        |
| 0                | Normal Voltage    | 0.0194                                    |        |
| -10              | Normal Voltage    | 0.0406                                    |        |
| -20              | Normal Voltage    | 0.0390                                    |        |
| -30              | Normal Voltage    | 0.0170                                    |        |
| 20               | Maximum Voltage   | 0.0188                                    |        |
| 20               | Normal Voltage    | 0.0281                                    |        |
| 20               | Battery End Point | 0.0675                                    |        |

## Peak and Average Power

| Band   | Bandwidth(MHz) | UL<br>Frequency(MHz) | Modulation | RB<br>Size | RB<br>Offset | Average<br>Power | Peak<br>Power | Peak to<br>Average(dB) | limit(dB) | AntGain(dBi) | EIRP(dBm) | Limit(dBm) | Conclusion |
|--------|----------------|----------------------|------------|------------|--------------|------------------|---------------|------------------------|-----------|--------------|-----------|------------|------------|
| Band38 | 5              | 2572.5               | QPSK       | 25         | LOW          | 21.52            | 27.68         | 6.16                   | 13        | 1.7          | 23.22     | 33         | Pass       |
| Band38 | 5              | 2572.5               | QPSK       | 12         | LOW          | 21.31            | 27.27         | 5.96                   | 13        | 1.7          | 23.01     | 33         | Pass       |
| Band38 | 5              | 2572.5               | QPSK       | 12         | MID          | 21.31            | 27.46         | 6.15                   | 13        | 1.7          | 23.01     | 33         | Pass       |
| Band38 | 5              | 2572.5               | QPSK       | 12         | HIGH         | 21.66            | 27.7          | 6.04                   | 13        | 1.7          | 23.36     | 33         | Pass       |
| Band38 | 5              | 2572.5               | QPSK       | 1          | LOW          | 22.52            | 27.79         | 5.27                   | 13        | 1.7          | 24.22     | 33         | Pass       |
| Band38 | 5              | 2572.5               | QPSK       | 1          | MID          | 22.87            | 27.9          | 5.03                   | 13        | 1.7          | 24.57     | 33         | Pass       |
| Band38 | 5              | 2572.5               | QPSK       | 1          | HIGH         | 22.95            | 28.2          | 5.25                   | 13        | 1.7          | 24.65     | 33         | Pass       |
| Band38 | 5              | 2572.5               | 16QAM      | 25         | LOW          | 20.74            | 27.9          | 7.16                   | 13        | 1.7          | 22.44     | 33         | Pass       |
| Band38 | 5              | 2572.5               | 16QAM      | 12         | LOW          | 20.59            | 27.5          | 6.91                   | 13        | 1.7          | 22.29     | 33         | Pass       |
| Band38 | 5              | 2572.5               | 16QAM      | 12         | MID          | 20.59            | 27.53         | 6.94                   | 13        | 1.7          | 22.29     | 33         | Pass       |
| Band38 | 5              | 2572.5               | 16QAM      | 12         | HIGH         | 20.81            | 27.73         | 6.92                   | 13        | 1.7          | 22.51     | 33         | Pass       |
| Band38 | 5              | 2572.5               | 16QAM      | 1          | LOW          | 21.35            | 27.47         | 6.12                   | 13        | 1.7          | 23.05     | 33         | Pass       |
| Band38 | 5              | 2572.5               | 16QAM      | 1          | MID          | 21.61            | 27.63         | 6.02                   | 13        | 1.7          | 23.31     | 33         | Pass       |
| Band38 | 5              | 2572.5               | 16QAM      | 1          | HIGH         | 21.8             | 27.84         | 6.04                   | 13        | 1.7          | 23.5      | 33         | Pass       |
| Band38 | 5              | 2595                 | QPSK       | 25         | LOW          | 21.93            | 27.87         | 5.94                   | 13        | 1.7          | 23.63     | 33         | Pass       |
| Band38 | 5              | 2595                 | QPSK       | 12         | LOW          | 21.93            | 27.84         | 5.91                   | 13        | 1.7          | 23.63     | 33         | Pass       |
| Band38 | 5              | 2595                 | QPSK       | 12         | MID          | 21.93            | 28.02         | 6.09                   | 13        | 1.7          | 23.63     | 33         | Pass       |
| Band38 | 5              | 2595                 | QPSK       | 12         | HIGH         | 21.96            | 27.84         | 5.88                   | 13        | 1.7          | 23.66     | 33         | Pass       |
| Band38 | 5              | 2595                 | QPSK       | 1          | LOW          | 23.14            | 27.95         | 4.81                   | 13        | 1.7          | 24.84     | 33         | Pass       |
| Band38 | 5              | 2595                 | QPSK       | 1          | MID          | 23.22            | 27.89         | 4.67                   | 13        | 1.7          | 24.92     | 33         | Pass       |
| Band38 | 5              | 2595                 | QPSK       | 1          | HIGH         | 23.18            | 28.08         | 4.9                    | 13        | 1.7          | 24.88     | 33         | Pass       |
| Band38 | 5              | 2595                 | 16QAM      | 25         | LOW          | 21.09            | 27.6          | 6.51                   | 13        | 1.7          | 22.79     | 33         | Pass       |
| Band38 | 5              | 2595                 | 16QAM      | 12         | LOW          | 21.09            | 27.94         | 6.85                   | 13        | 1.7          | 22.79     | 33         | Pass       |
| Band38 | 5              | 2595                 | 16QAM      | 12         | MID          | 21.1             | 28.03         | 6.93                   | 13        | 1.7          | 22.8      | 33         | Pass       |
| Band38 | 5              | 2595                 | 16QAM      | 12         | HIGH         | 21.12            | 28.08         | 6.96                   | 13        | 1.7          | 22.82     | 33         | Pass       |
| Band38 | 5              | 2595                 | 16QAM      | 1          | LOW          | 22.37            | 27.47         | 5.1                    | 13        | 1.7          | 24.07     | 33         | Pass       |
| Band38 | 5              | 2595                 | 16QAM      | 1          | MID          | 22.33            | 27.27         | 4.94                   | 13        | 1.7          | 24.03     | 33         | Pass       |
| Band38 | 5              | 2595                 | 16QAM      | 1          | HIGH         | 22.34            | 27.45         | 5.11                   | 13        | 1.7          | 24.04     | 33         | Pass       |
| Band38 | 5              | 2617.5               | QPSK       | 25         | LOW          | 22.02            | 28.51         | 6.49                   | 13        | 1.7          | 23.72     | 33         | Pass       |
| Band38 | 5              | 2617.5               | QPSK       | 12         | LOW          | 22.05            | 28.46         | 6.41                   | 13        | 1.7          | 23.75     | 33         | Pass       |
| Band38 | 5              | 2617.5               | QPSK       | 12         | MID          | 22.05            | 28.35         | 6.3                    | 13        | 1.7          | 23.75     | 33         | Pass       |
| Band38 | 5              | 2617.5               | QPSK       | 12         | HIGH         | 22.07            | 28.41         | 6.34                   | 13        | 1.7          | 23.77     | 33         | Pass       |
| Band38 | 5              | 2617.5               | QPSK       | 1          | LOW          | 23.32            | 28.02         | 4.7                    | 13        | 1.7          | 25.02     | 33         | Pass       |
| Band38 | 5              | 2617.5               | QPSK       | 1          | MID          | 23.35            | 27.98         | 4.63                   | 13        | 1.7          | 25.05     | 33         | Pass       |
| Band38 | 5              | 2617.5               | QPSK       | 1          | HIGH         | 23.32            | 28.05         | 4.73                   | 13        | 1.7          | 25.02     | 33         | Pass       |
| Band38 | 5              | 2617.5               | 16QAM      | 25         | LOW          | 21.19            | 27.82         | 6.63                   | 13        | 1.7          | 22.89     | 33         | Pass       |
| Band38 | 5              | 2617.5               | 16QAM      | 12         | LOW          | 21.2             | 27.62         | 6.42                   | 13        | 1.7          | 22.9      | 33         | Pass       |
| Band38 | 5              | 2617.5               | 16QAM      | 12         | MID          | 21.16            | 27.73         | 6.57                   | 13        | 1.7          | 22.86     | 33         | Pass       |
| Band38 | 5              | 2617.5               | 16QAM      | 12         | HIGH         | 21.18            | 27.68         | 6.5                    | 13        | 1.7          | 22.88     | 33         | Pass       |
| Band38 | 5              | 2617.5               | 16QAM      | 1          | LOW          | 22.41            | 27.79         | 5.38                   | 13        | 1.7          | 24.11     | 33         | Pass       |
| Band38 | 5              | 2617.5               | 16QAM      | 1          | MID          | 22.39            | 27.65         | 5.26                   | 13        | 1.7          | 24.09     | 33         | Pass       |
| Band38 | 5              | 2617.5               | 16QAM      | 1          | HIGH         | 22.46            | 27.82         | 5.36                   | 13        | 1.7          | 24.16     | 33         | Pass       |

|        |    |        |       |    |      |       |       |      |    |     |       |    |      |
|--------|----|--------|-------|----|------|-------|-------|------|----|-----|-------|----|------|
| Band38 | 10 | 2575   | QPSK  | 50 | LOW  | 21.8  | 28.14 | 6.34 | 13 | 1.7 | 23.5  | 33 | Pass |
| Band38 | 10 | 2575   | QPSK  | 25 | LOW  | 21.54 | 27.77 | 6.23 | 13 | 1.7 | 23.24 | 33 | Pass |
| Band38 | 10 | 2575   | QPSK  | 25 | MID  | 21.54 | 27.74 | 6.2  | 13 | 1.7 | 23.24 | 33 | Pass |
| Band38 | 10 | 2575   | QPSK  | 25 | HIGH | 21.77 | 27.93 | 6.16 | 13 | 1.7 | 23.47 | 33 | Pass |
| Band38 | 10 | 2575   | QPSK  | 1  | LOW  | 22.66 | 28.56 | 5.9  | 13 | 1.7 | 24.36 | 33 | Pass |
| Band38 | 10 | 2575   | QPSK  | 1  | MID  | 23.17 | 28.71 | 5.54 | 13 | 1.7 | 24.87 | 33 | Pass |
| Band38 | 10 | 2575   | QPSK  | 1  | HIGH | 23.04 | 28.82 | 5.78 | 13 | 1.7 | 24.74 | 33 | Pass |
| Band38 | 10 | 2575   | 16QAM | 27 | LOW  | 20.65 | 27.44 | 6.79 | 13 | 1.7 | 22.35 | 33 | Pass |
| Band38 | 10 | 2575   | 16QAM | 15 | LOW  | 20.59 | 26.83 | 6.24 | 13 | 1.7 | 22.29 | 33 | Pass |
| Band38 | 10 | 2575   | 16QAM | 15 | MID  | 20.59 | 26.84 | 6.25 | 13 | 1.7 | 22.29 | 33 | Pass |
| Band38 | 10 | 2575   | 16QAM | 15 | HIGH | 20.88 | 27.13 | 6.25 | 13 | 1.7 | 22.58 | 33 | Pass |
| Band38 | 10 | 2575   | 16QAM | 1  | LOW  | 21.94 | 27.58 | 5.64 | 13 | 1.7 | 23.64 | 33 | Pass |
| Band38 | 10 | 2575   | 16QAM | 1  | MID  | 22.33 | 27.74 | 5.41 | 13 | 1.7 | 24.03 | 33 | Pass |
| Band38 | 10 | 2575   | 16QAM | 1  | HIGH | 22.49 | 28.08 | 5.59 | 13 | 1.7 | 24.19 | 33 | Pass |
| Band38 | 10 | 2595   | QPSK  | 50 | LOW  | 22.01 | 28.15 | 6.14 | 13 | 1.7 | 23.71 | 33 | Pass |
| Band38 | 10 | 2595   | QPSK  | 25 | LOW  | 21.98 | 28.15 | 6.17 | 13 | 1.7 | 23.68 | 33 | Pass |
| Band38 | 10 | 2595   | QPSK  | 25 | MID  | 21.98 | 28.1  | 6.12 | 13 | 1.7 | 23.68 | 33 | Pass |
| Band38 | 10 | 2595   | QPSK  | 25 | HIGH | 22.02 | 28.25 | 6.23 | 13 | 1.7 | 23.72 | 33 | Pass |
| Band38 | 10 | 2595   | QPSK  | 1  | LOW  | 23.25 | 28.49 | 5.24 | 13 | 1.7 | 24.95 | 33 | Pass |
| Band38 | 10 | 2595   | QPSK  | 1  | MID  | 23.38 | 28.41 | 5.03 | 13 | 1.7 | 25.08 | 33 | Pass |
| Band38 | 10 | 2595   | QPSK  | 1  | HIGH | 23.27 | 28.52 | 5.25 | 13 | 1.7 | 24.97 | 33 | Pass |
| Band38 | 10 | 2595   | 16QAM | 27 | LOW  | 21.1  | 28.01 | 6.91 | 13 | 1.7 | 22.8  | 33 | Pass |
| Band38 | 10 | 2595   | 16QAM | 15 | LOW  | 20.89 | 28.87 | 7.98 | 13 | 1.7 | 22.59 | 33 | Pass |
| Band38 | 10 | 2595   | 16QAM | 15 | MID  | 20.9  | 28.84 | 7.94 | 13 | 1.7 | 22.6  | 33 | Pass |
| Band38 | 10 | 2595   | 16QAM | 15 | HIGH | 20.95 | 28.81 | 7.86 | 13 | 1.7 | 22.65 | 33 | Pass |
| Band38 | 10 | 2595   | 16QAM | 1  | LOW  | 22.31 | 28.69 | 6.38 | 13 | 1.7 | 24.01 | 33 | Pass |
| Band38 | 10 | 2595   | 16QAM | 1  | MID  | 22.19 | 28.45 | 6.26 | 13 | 1.7 | 23.89 | 33 | Pass |
| Band38 | 10 | 2595   | 16QAM | 1  | HIGH | 22.31 | 28.73 | 6.42 | 13 | 1.7 | 24.01 | 33 | Pass |
| Band38 | 10 | 2615   | QPSK  | 50 | LOW  | 22.04 | 28.39 | 6.35 | 13 | 1.7 | 23.74 | 33 | Pass |
| Band38 | 10 | 2615   | QPSK  | 25 | LOW  | 22.04 | 28.03 | 5.99 | 13 | 1.7 | 23.74 | 33 | Pass |
| Band38 | 10 | 2615   | QPSK  | 25 | MID  | 22.04 | 27.97 | 5.93 | 13 | 1.7 | 23.74 | 33 | Pass |
| Band38 | 10 | 2615   | QPSK  | 25 | HIGH | 22.05 | 28.03 | 5.98 | 13 | 1.7 | 23.75 | 33 | Pass |
| Band38 | 10 | 2615   | QPSK  | 1  | LOW  | 23.27 | 28.5  | 5.23 | 13 | 1.7 | 24.97 | 33 | Pass |
| Band38 | 10 | 2615   | QPSK  | 1  | MID  | 23.35 | 28.37 | 5.02 | 13 | 1.7 | 25.05 | 33 | Pass |
| Band38 | 10 | 2615   | QPSK  | 1  | HIGH | 23.25 | 28.55 | 5.3  | 13 | 1.7 | 24.95 | 33 | Pass |
| Band38 | 10 | 2615   | 16QAM | 27 | LOW  | 21.21 | 27.87 | 6.66 | 13 | 1.7 | 22.91 | 33 | Pass |
| Band38 | 10 | 2615   | 16QAM | 15 | LOW  | 20.98 | 28.07 | 7.09 | 13 | 1.7 | 22.68 | 33 | Pass |
| Band38 | 10 | 2615   | 16QAM | 15 | MID  | 20.98 | 28.04 | 7.06 | 13 | 1.7 | 22.68 | 33 | Pass |
| Band38 | 10 | 2615   | 16QAM | 15 | HIGH | 21    | 28.1  | 7.1  | 13 | 1.7 | 22.7  | 33 | Pass |
| Band38 | 10 | 2615   | 16QAM | 1  | LOW  | 22.56 | 27.94 | 5.38 | 13 | 1.7 | 24.26 | 33 | Pass |
| Band38 | 10 | 2615   | 16QAM | 1  | MID  | 22.42 | 27.65 | 5.23 | 13 | 1.7 | 24.12 | 33 | Pass |
| Band38 | 10 | 2615   | 16QAM | 1  | HIGH | 22.56 | 27.94 | 5.38 | 13 | 1.7 | 24.26 | 33 | Pass |
| Band38 | 15 | 2577.5 | QPSK  | 75 | LOW  | 22.03 | 28.42 | 6.39 | 13 | 1.7 | 23.73 | 33 | Pass |
| Band38 | 15 | 2577.5 | QPSK  | 38 | LOW  | 22    | 28.42 | 6.42 | 13 | 1.7 | 23.7  | 33 | Pass |
| Band38 | 15 | 2577.5 | QPSK  | 38 | MID  | 22    | 28.48 | 6.48 | 13 | 1.7 | 23.7  | 33 | Pass |
| Band38 | 15 | 2577.5 | QPSK  | 38 | HIGH | 22.09 | 28.46 | 6.37 | 13 | 1.7 | 23.79 | 33 | Pass |
| Band38 | 15 | 2577.5 | QPSK  | 1  | LOW  | 22.89 | 28.67 | 5.78 | 13 | 1.7 | 24.59 | 33 | Pass |

|        |    |        |       |     |      |       |       |      |    |     |       |    |      |
|--------|----|--------|-------|-----|------|-------|-------|------|----|-----|-------|----|------|
| Band38 | 15 | 2577.5 | QPSK  | 1   | MID  | 23.44 | 28.43 | 4.99 | 13 | 1.7 | 25.14 | 33 | Pass |
| Band38 | 15 | 2577.5 | QPSK  | 1   | HIGH | 23.41 | 28.56 | 5.15 | 13 | 1.7 | 25.11 | 33 | Pass |
| Band38 | 15 | 2577.5 | 16QAM | 25  | LOW  | 20.82 | 28.49 | 7.67 | 13 | 1.7 | 22.52 | 33 | Pass |
| Band38 | 15 | 2577.5 | 16QAM | 15  | LOW  | 21.58 | 28.21 | 6.63 | 13 | 1.7 | 23.28 | 33 | Pass |
| Band38 | 15 | 2577.5 | 16QAM | 15  | MID  | 21.58 | 28.21 | 6.63 | 13 | 1.7 | 23.28 | 33 | Pass |
| Band38 | 15 | 2577.5 | 16QAM | 15  | HIGH | 22    | 28.55 | 6.55 | 13 | 1.7 | 23.7  | 33 | Pass |
| Band38 | 15 | 2577.5 | 16QAM | 1   | LOW  | 21.83 | 27.64 | 5.81 | 13 | 1.7 | 23.53 | 33 | Pass |
| Band38 | 15 | 2577.5 | 16QAM | 1   | MID  | 22.27 | 27.85 | 5.58 | 13 | 1.7 | 23.97 | 33 | Pass |
| Band38 | 15 | 2577.5 | 16QAM | 1   | HIGH | 22.33 | 27.98 | 5.65 | 13 | 1.7 | 24.03 | 33 | Pass |
| Band38 | 15 | 2595   | QPSK  | 75  | LOW  | 22.18 | 28.68 | 6.5  | 13 | 1.7 | 23.88 | 33 | Pass |
| Band38 | 15 | 2595   | QPSK  | 38  | LOW  | 22.22 | 28.86 | 6.64 | 13 | 1.7 | 23.92 | 33 | Pass |
| Band38 | 15 | 2595   | QPSK  | 38  | MID  | 22.2  | 28.83 | 6.63 | 13 | 1.7 | 23.9  | 33 | Pass |
| Band38 | 15 | 2595   | QPSK  | 38  | HIGH | 22.16 | 28.8  | 6.64 | 13 | 1.7 | 23.86 | 33 | Pass |
| Band38 | 15 | 2595   | QPSK  | 1   | LOW  | 23.38 | 28.53 | 5.15 | 13 | 1.7 | 25.08 | 33 | Pass |
| Band38 | 15 | 2595   | QPSK  | 1   | MID  | 23.39 | 28.39 | 5    | 13 | 1.7 | 25.09 | 33 | Pass |
| Band38 | 15 | 2595   | QPSK  | 1   | HIGH | 23.41 | 28.54 | 5.13 | 13 | 1.7 | 25.11 | 33 | Pass |
| Band38 | 15 | 2595   | 16QAM | 25  | LOW  | 21.18 | 28.8  | 7.62 | 13 | 1.7 | 22.88 | 33 | Pass |
| Band38 | 15 | 2595   | 16QAM | 15  | LOW  | 22    | 28.49 | 6.49 | 13 | 1.7 | 23.7  | 33 | Pass |
| Band38 | 15 | 2595   | 16QAM | 15  | MID  | 22    | 28.46 | 6.46 | 13 | 1.7 | 23.7  | 33 | Pass |
| Band38 | 15 | 2595   | 16QAM | 15  | HIGH | 22    | 28.47 | 6.47 | 13 | 1.7 | 23.7  | 33 | Pass |
| Band38 | 15 | 2595   | 16QAM | 1   | LOW  | 22.42 | 28.02 | 5.6  | 13 | 1.7 | 24.12 | 33 | Pass |
| Band38 | 15 | 2595   | 16QAM | 1   | MID  | 22.46 | 27.93 | 5.47 | 13 | 1.7 | 24.16 | 33 | Pass |
| Band38 | 15 | 2595   | 16QAM | 1   | HIGH | 22.5  | 28.05 | 5.55 | 13 | 1.7 | 24.2  | 33 | Pass |
| Band38 | 15 | 2612.5 | QPSK  | 75  | LOW  | 22.21 | 28.58 | 6.37 | 13 | 1.7 | 23.91 | 33 | Pass |
| Band38 | 15 | 2612.5 | QPSK  | 38  | LOW  | 22.26 | 28.6  | 6.34 | 13 | 1.7 | 23.96 | 33 | Pass |
| Band38 | 15 | 2612.5 | QPSK  | 38  | MID  | 22.17 | 28.82 | 6.65 | 13 | 1.7 | 23.87 | 33 | Pass |
| Band38 | 15 | 2612.5 | QPSK  | 38  | HIGH | 23.37 | 28.48 | 5.11 | 13 | 1.7 | 25.07 | 33 | Pass |
| Band38 | 15 | 2612.5 | QPSK  | 1   | LOW  | 23.37 | 28.48 | 5.11 | 13 | 1.7 | 25.07 | 33 | Pass |
| Band38 | 15 | 2612.5 | QPSK  | 1   | MID  | 23.42 | 28.4  | 4.98 | 13 | 1.7 | 25.12 | 33 | Pass |
| Band38 | 15 | 2612.5 | QPSK  | 1   | HIGH | 23.37 | 28.54 | 5.17 | 13 | 1.7 | 25.07 | 33 | Pass |
| Band38 | 15 | 2612.5 | 16QAM | 25  | LOW  | 21.24 | 28.63 | 7.39 | 13 | 1.7 | 22.94 | 33 | Pass |
| Band38 | 15 | 2612.5 | 16QAM | 15  | LOW  | 22.09 | 28.44 | 6.35 | 13 | 1.7 | 23.79 | 33 | Pass |
| Band38 | 15 | 2612.5 | 16QAM | 15  | MID  | 22.1  | 28.46 | 6.36 | 13 | 1.7 | 23.8  | 33 | Pass |
| Band38 | 15 | 2612.5 | 16QAM | 15  | HIGH | 22.11 | 28.47 | 6.36 | 13 | 1.7 | 23.81 | 33 | Pass |
| Band38 | 15 | 2612.5 | 16QAM | 1   | LOW  | 22.43 | 28.05 | 5.62 | 13 | 1.7 | 24.13 | 33 | Pass |
| Band38 | 15 | 2612.5 | 16QAM | 1   | MID  | 22.46 | 27.86 | 5.4  | 13 | 1.7 | 24.16 | 33 | Pass |
| Band38 | 15 | 2612.5 | 16QAM | 1   | HIGH | 22.46 | 27.86 | 5.4  | 13 | 1.7 | 24.16 | 33 | Pass |
| Band38 | 20 | 2580   | QPSK  | 100 | LOW  | 22.08 | 28.43 | 6.35 | 13 | 1.7 | 23.78 | 33 | Pass |
| Band38 | 20 | 2580   | QPSK  | 50  | LOW  | 21.92 | 28.24 | 6.32 | 13 | 1.7 | 23.62 | 33 | Pass |
| Band38 | 20 | 2580   | QPSK  | 50  | MID  | 21.89 | 28.54 | 6.65 | 13 | 1.7 | 23.59 | 33 | Pass |
| Band38 | 20 | 2580   | QPSK  | 50  | HIGH | 22.02 | 28.49 | 6.47 | 13 | 1.7 | 23.72 | 33 | Pass |
| Band38 | 20 | 2580   | QPSK  | 1   | LOW  | 23.24 | 28.61 | 5.37 | 13 | 1.7 | 24.94 | 33 | Pass |
| Band38 | 20 | 2580   | QPSK  | 1   | MID  | 23.27 | 27.99 | 4.72 | 13 | 1.7 | 24.97 | 33 | Pass |
| Band38 | 20 | 2580   | QPSK  | 1   | HIGH | 23.2  | 28.05 | 4.85 | 13 | 1.7 | 24.9  | 33 | Pass |
| Band38 | 20 | 2580   | 16QAM | 27  | LOW  | 20.82 | 28.22 | 7.4  | 13 | 1.7 | 22.52 | 33 | Pass |
| Band38 | 20 | 2580   | 16QAM | 15  | LOW  | 21.59 | 28.43 | 6.84 | 13 | 1.7 | 23.29 | 33 | Pass |
| Band38 | 20 | 2580   | 16QAM | 15  | MID  | 21.68 | 28.51 | 6.83 | 13 | 1.7 | 23.38 | 33 | Pass |

|        |    |      |       |     |      |       |       |      |    |     |       |    |      |
|--------|----|------|-------|-----|------|-------|-------|------|----|-----|-------|----|------|
| Band38 | 20 | 2580 | 16QAM | 15  | HIGH | 21.71 | 28.66 | 6.95 | 13 | 1.7 | 23.41 | 33 | Pass |
| Band38 | 20 | 2580 | 16QAM | 1   | LOW  | 21.83 | 27.44 | 5.61 | 13 | 1.7 | 23.53 | 33 | Pass |
| Band38 | 20 | 2580 | 16QAM | 1   | MID  | 22.5  | 27.77 | 5.27 | 13 | 1.7 | 24.2  | 33 | Pass |
| Band38 | 20 | 2580 | 16QAM | 1   | HIGH | 22.49 | 27.63 | 5.14 | 13 | 1.7 | 24.19 | 33 | Pass |
| Band38 | 20 | 2595 | QPSK  | 100 | LOW  | 22.05 | 28.45 | 6.4  | 13 | 1.7 | 23.75 | 33 | Pass |
| Band38 | 20 | 2595 | QPSK  | 50  | LOW  | 22.09 | 28.6  | 6.51 | 13 | 1.7 | 23.79 | 33 | Pass |
| Band38 | 20 | 2595 | QPSK  | 50  | MID  | 22.06 | 28.55 | 6.49 | 13 | 1.7 | 23.76 | 33 | Pass |
| Band38 | 20 | 2595 | QPSK  | 50  | HIGH | 22.12 | 28.48 | 6.36 | 13 | 1.7 | 23.82 | 33 | Pass |
| Band38 | 20 | 2595 | QPSK  | 1   | LOW  | 23.24 | 28.61 | 5.37 | 13 | 1.7 | 24.94 | 33 | Pass |
| Band38 | 20 | 2595 | QPSK  | 1   | MID  | 23.41 | 28.62 | 5.21 | 13 | 1.7 | 25.11 | 33 | Pass |
| Band38 | 20 | 2595 | QPSK  | 1   | HIGH | 23.33 | 28.67 | 5.34 | 13 | 1.7 | 25.03 | 33 | Pass |
| Band38 | 20 | 2595 | 16QAM | 27  | LOW  | 21.06 | 28.13 | 7.07 | 13 | 1.7 | 22.76 | 33 | Pass |
| Band38 | 20 | 2595 | 16QAM | 15  | LOW  | 22.07 | 28.85 | 6.78 | 13 | 1.7 | 23.77 | 33 | Pass |
| Band38 | 20 | 2595 | 16QAM | 15  | MID  | 22.06 | 28.84 | 6.78 | 13 | 1.7 | 23.76 | 33 | Pass |
| Band38 | 20 | 2595 | 16QAM | 15  | HIGH | 22.08 | 28.87 | 6.79 | 13 | 1.7 | 23.78 | 33 | Pass |
| Band38 | 20 | 2595 | 16QAM | 1   | LOW  | 22.43 | 27.89 | 5.46 | 13 | 1.7 | 24.13 | 33 | Pass |
| Band38 | 20 | 2595 | 16QAM | 1   | MID  | 22.54 | 27.81 | 5.27 | 13 | 1.7 | 24.24 | 33 | Pass |
| Band38 | 20 | 2595 | 16QAM | 1   | HIGH | 22.42 | 27.86 | 5.44 | 13 | 1.7 | 24.12 | 33 | Pass |
| Band38 | 20 | 2610 | QPSK  | 100 | LOW  | 22.12 | 28.47 | 6.35 | 13 | 1.7 | 23.82 | 33 | Pass |
| Band38 | 20 | 2610 | QPSK  | 50  | LOW  | 22.12 | 28.57 | 6.45 | 13 | 1.7 | 23.82 | 33 | Pass |
| Band38 | 20 | 2610 | QPSK  | 50  | MID  | 22.12 | 28.56 | 6.44 | 13 | 1.7 | 23.82 | 33 | Pass |
| Band38 | 20 | 2610 | QPSK  | 50  | HIGH | 22.13 | 28.56 | 6.43 | 13 | 1.7 | 23.83 | 33 | Pass |
| Band38 | 20 | 2610 | QPSK  | 1   | LOW  | 23.22 | 28    | 4.78 | 13 | 1.7 | 24.92 | 33 | Pass |
| Band38 | 20 | 2610 | QPSK  | 1   | MID  | 23.38 | 27.98 | 4.6  | 13 | 1.7 | 25.08 | 33 | Pass |
| Band38 | 20 | 2610 | QPSK  | 1   | HIGH | 23.33 | 28.08 | 4.75 | 13 | 1.7 | 25.03 | 33 | Pass |
| Band38 | 20 | 2610 | 16QAM | 27  | LOW  | 21.12 | 28.1  | 6.98 | 13 | 1.7 | 22.82 | 33 | Pass |
| Band38 | 20 | 2610 | 16QAM | 15  | LOW  | 22.05 | 28.84 | 6.79 | 13 | 1.7 | 23.75 | 33 | Pass |
| Band38 | 20 | 2610 | 16QAM | 15  | MID  | 22.09 | 28.86 | 6.77 | 13 | 1.7 | 23.79 | 33 | Pass |
| Band38 | 20 | 2610 | 16QAM | 15  | HIGH | 22.01 | 28.82 | 6.81 | 13 | 1.7 | 23.71 | 33 | Pass |
| Band38 | 20 | 2610 | 16QAM | 1   | LOW  | 22.36 | 27.84 | 5.48 | 13 | 1.7 | 24.06 | 33 | Pass |
| Band38 | 20 | 2610 | 16QAM | 1   | MID  | 22.52 | 27.55 | 5.03 | 13 | 1.7 | 24.22 | 33 | Pass |
| Band38 | 20 | 2610 | 16QAM | 1   | HIGH | 22.52 | 27.89 | 5.37 | 13 | 1.7 | 24.22 | 33 | Pass |