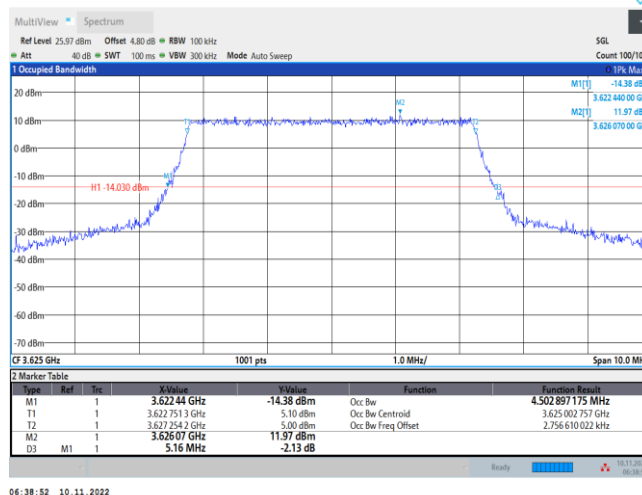
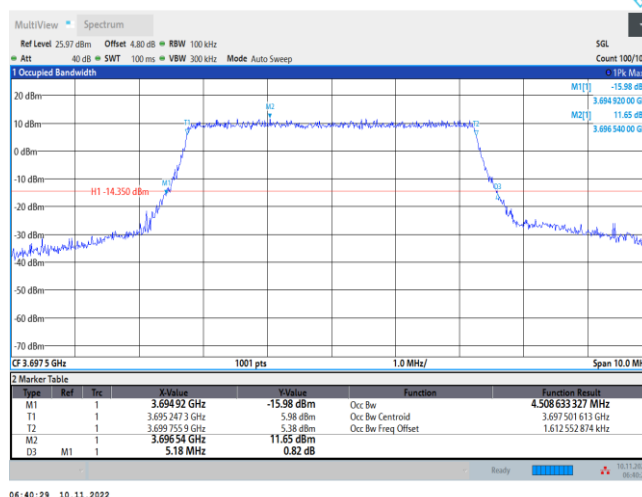


## Band48-5MHz-256QAM-55990-25RB#0



## Band48-5MHz-256QAM-56715-25RB#0



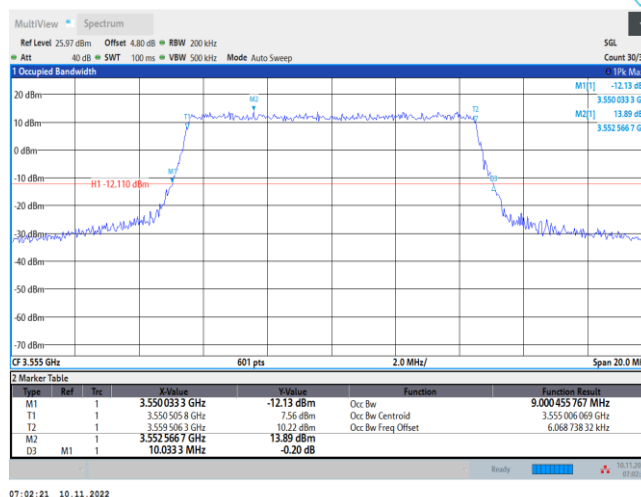
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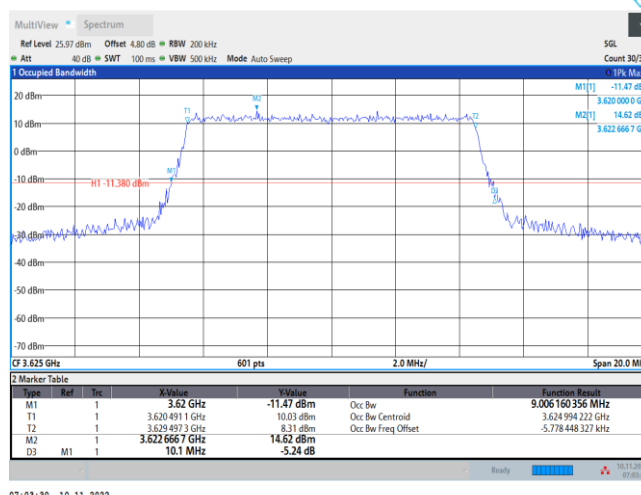
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## Band48-10MHz-QPSK-55290-50RB#0



## Band48-10MHz-QPSK-55990-50RB#0



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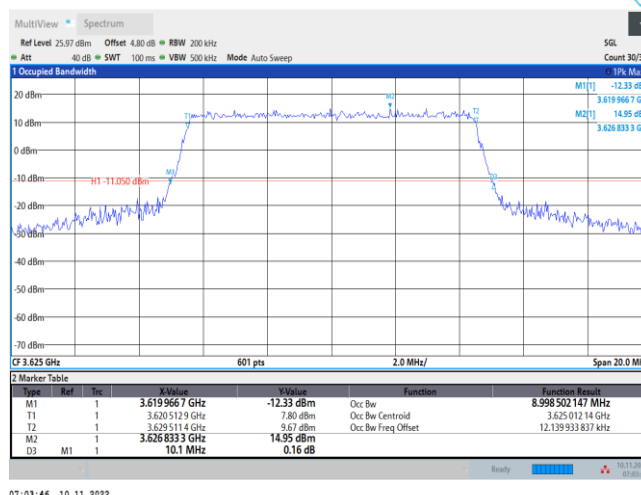
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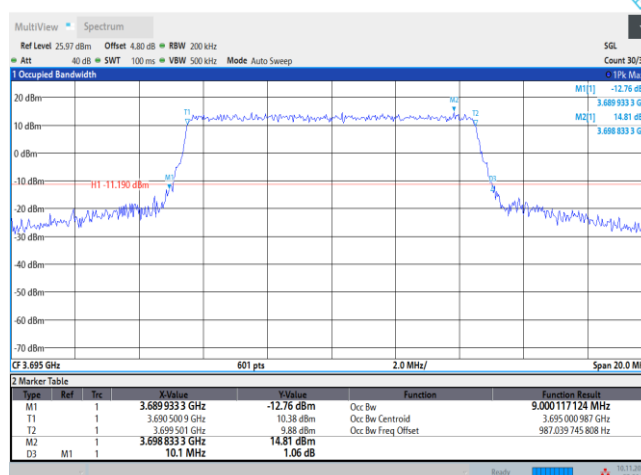
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## Band48-10MHz-16QAM-55990-50RB#0



07:03:46 10.11.2022

## Band48-10MHz-16QAM-56690-50RB#0



07:04:53 10.11.2022



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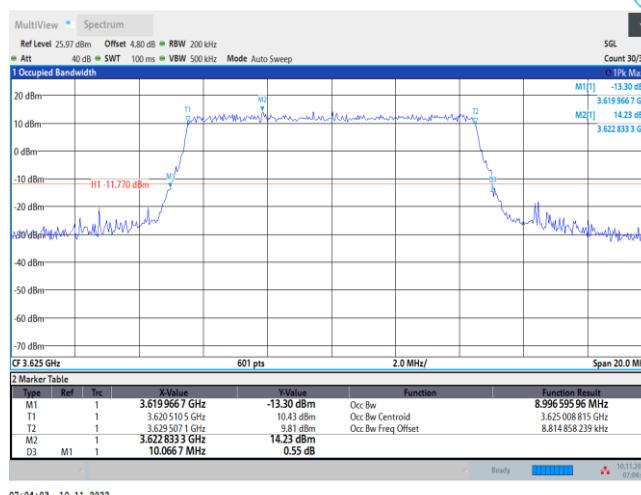
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## Band48-10MHz-64QAM-55290-50RB#0



## Band48-10MHz-64QAM-55990-50RB#0



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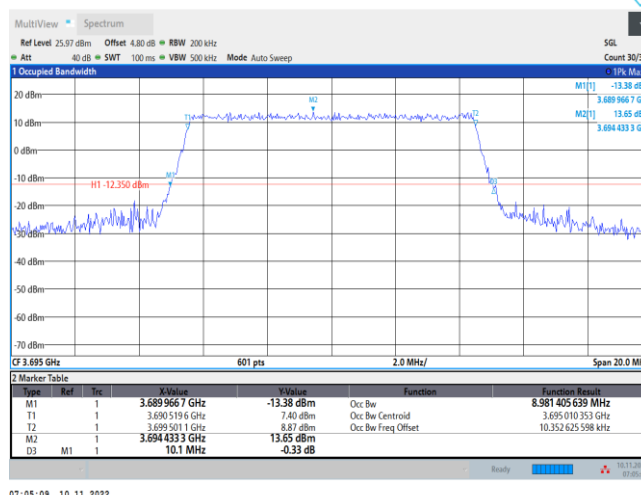
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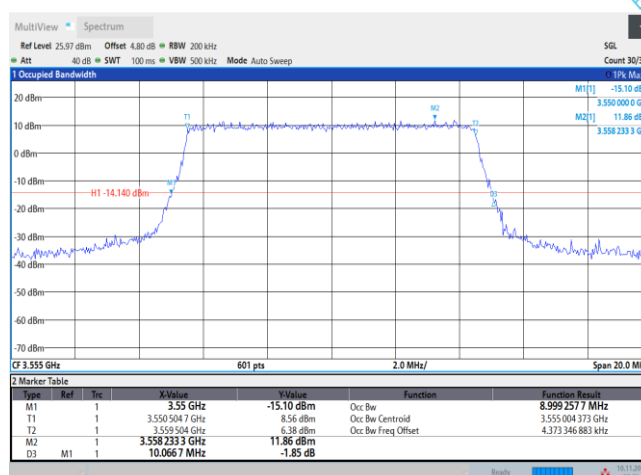


## Band48-10MHz-64QAM-56690-50RB#0



07:05:09 10.11.2022

## Band48-10MHz-256QAM-55290-50RB#0



07:03:10 10.11.2022



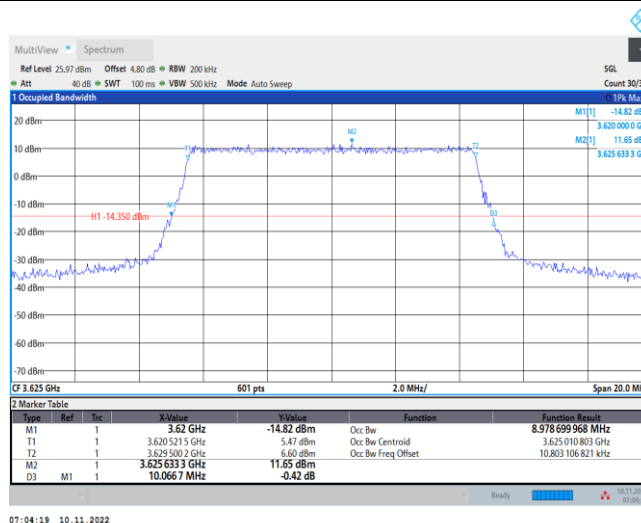
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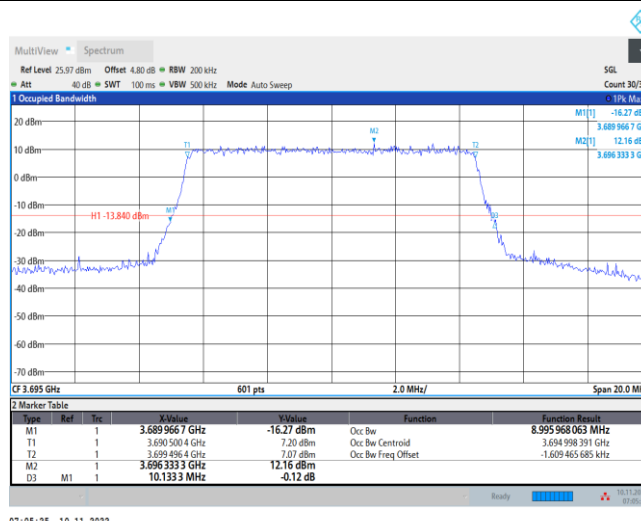
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## Band48-10MHz-256QAM-55990-50RB#0



## Band48-10MHz-256QAM-56690-50RB#0



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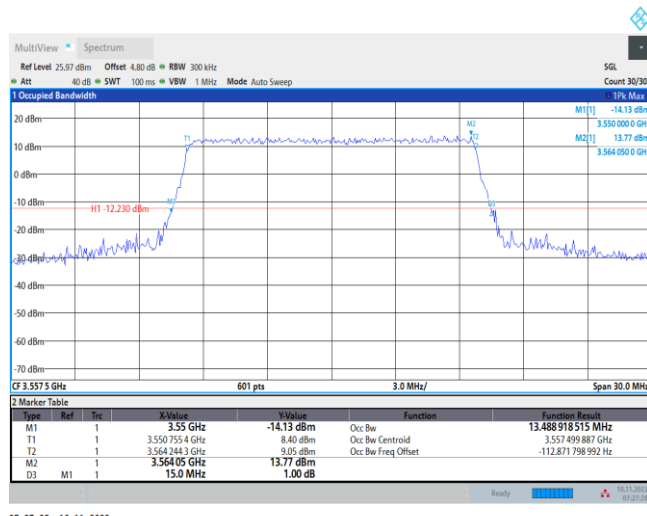
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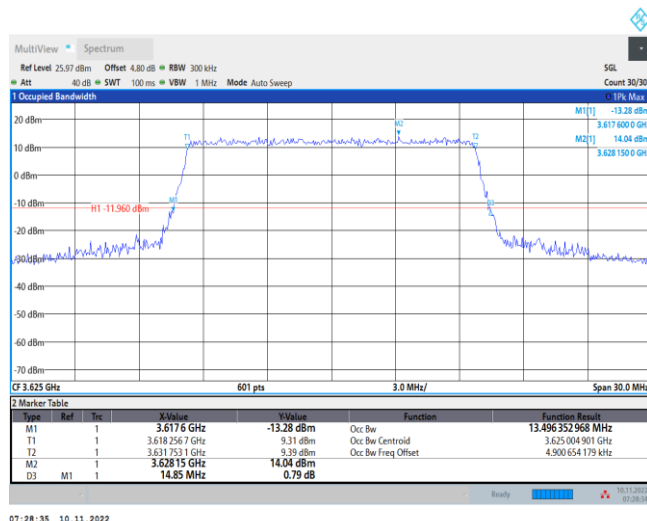
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## Band48-15MHz-QPSK-55315-75RB#0



## Band48-15MHz-QPSK-55990-75RB#0



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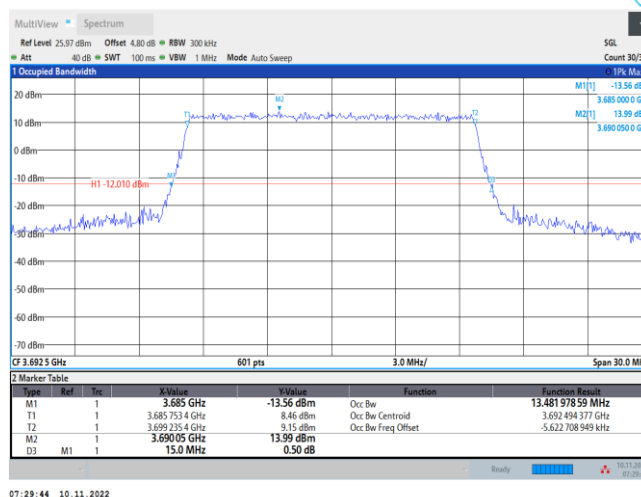
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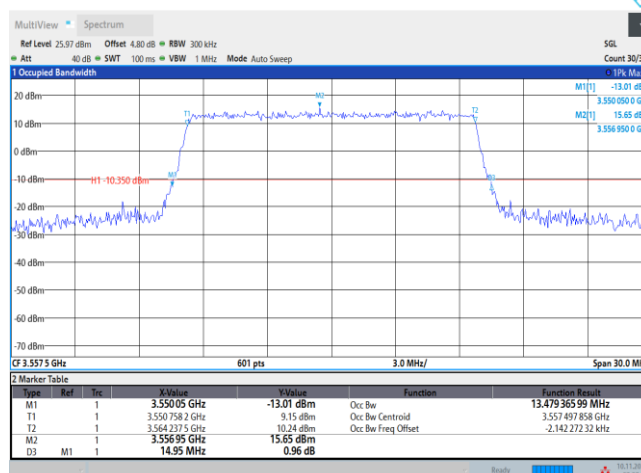


## Band48-15MHz-QPSK-56665-75RB#0



07:29:44 10.11.2022

## Band48-15MHz-16QAM-55315-75RB#0



07:27:44 10.11.2022



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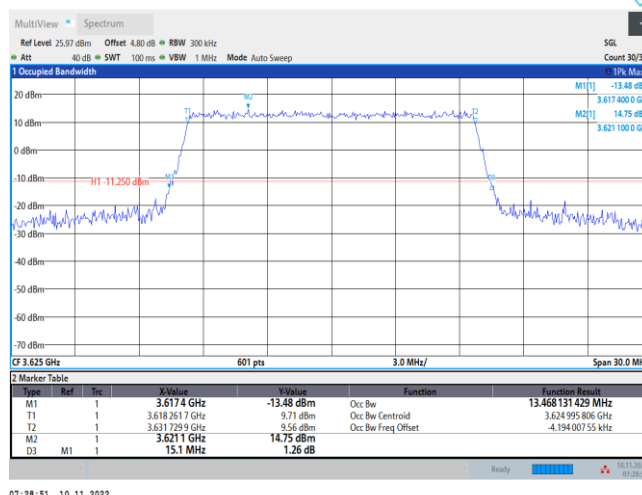
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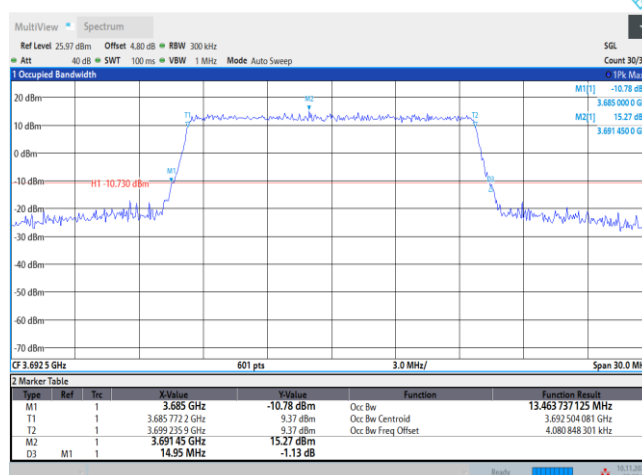
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## Band48-15MHz-16QAM-55990-75RB#0



07:28:51 10.11.2022

## Band48-15MHz-16QAM-56665-75RB#0



07:30:00 10.11.2022



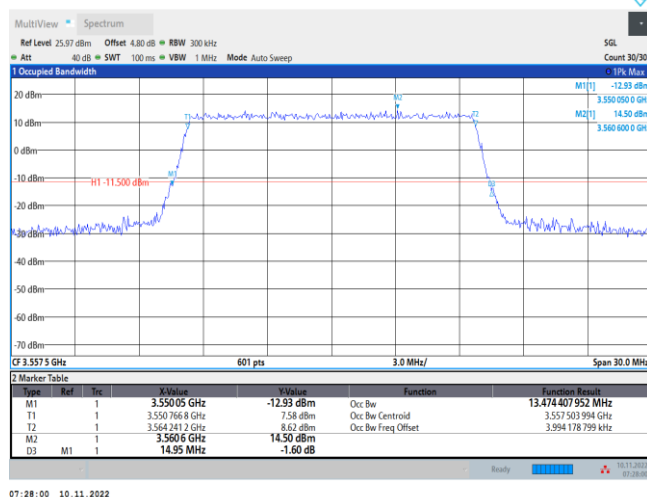
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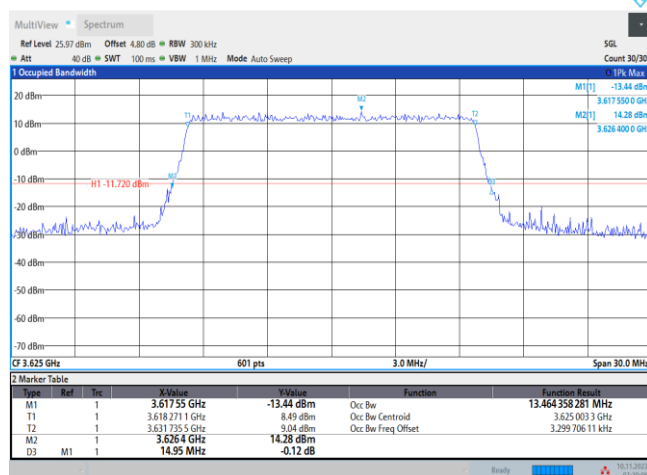
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## Band48-15MHz-64QAM-55315-75RB#0



07:28:00 10.11.2022

## Band48-15MHz-64QAM-55990-75RB#0



07:29:07 10.11.2022



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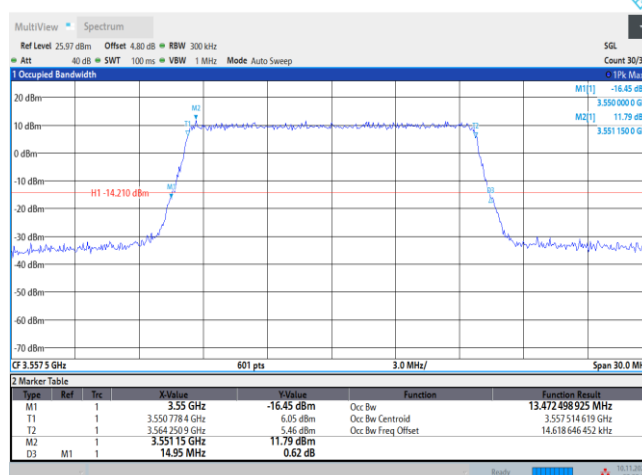
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## Band48-15MHz-64QAM-56665-75RB#0



07:30:16 10.11.2022

## Band48-15MHz-256QAM-55315-75RB#0



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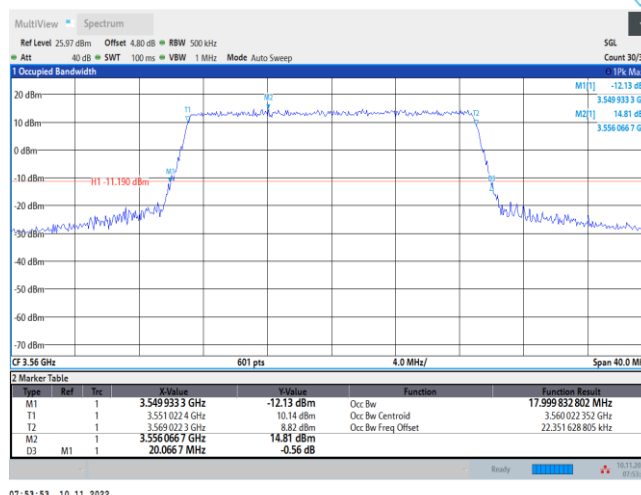
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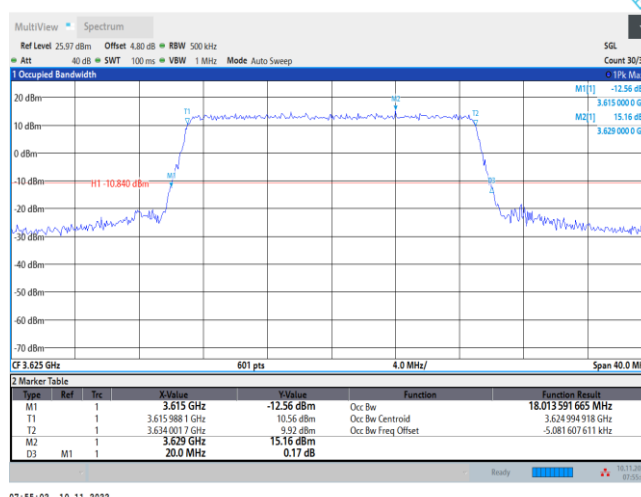




## Band48-20MHz-QPSK-55340-100RB#0



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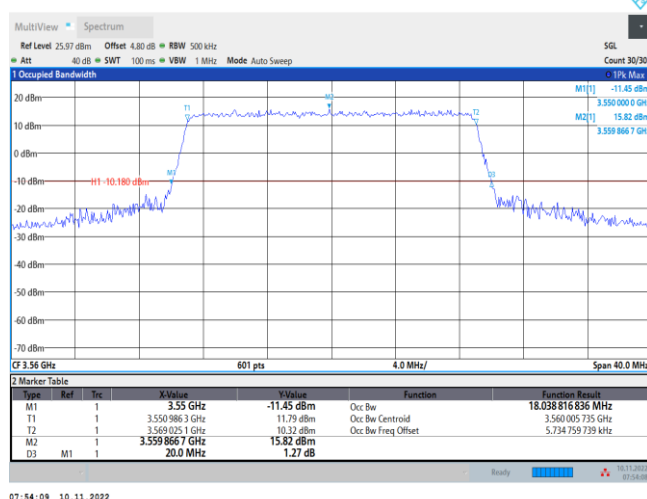
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## Band48-20MHz-QPSK-56640-100RB#0



## Band48-20MHz-16QAM-55340-100RB#0



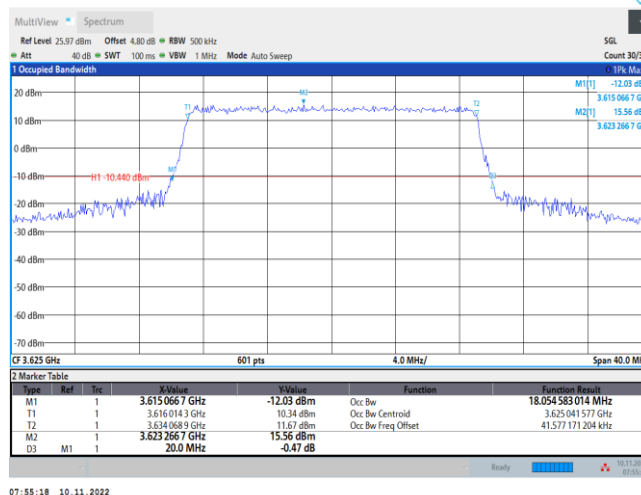
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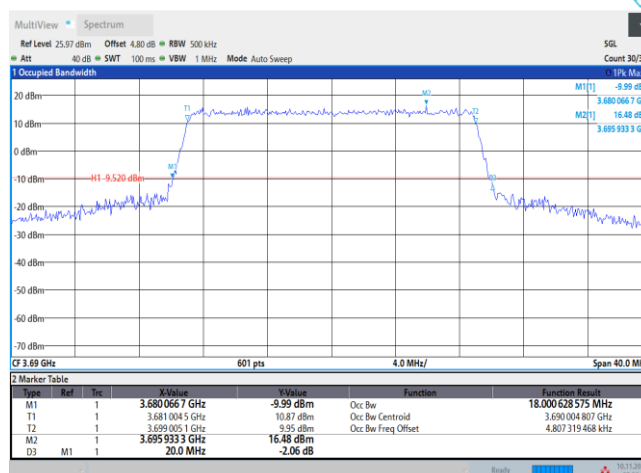
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## Band48-20MHz-16QAM-55990-100RB#0



07:55:18 10.11.2022

## Band48-20MHz-16QAM-56640-100RB#0



07:56:25 10.11.2022



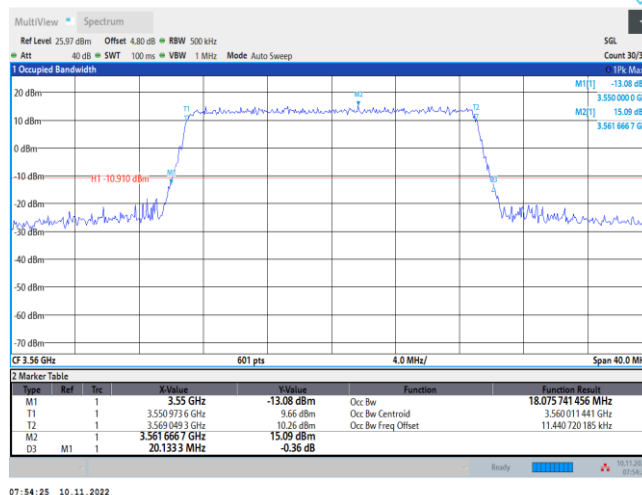
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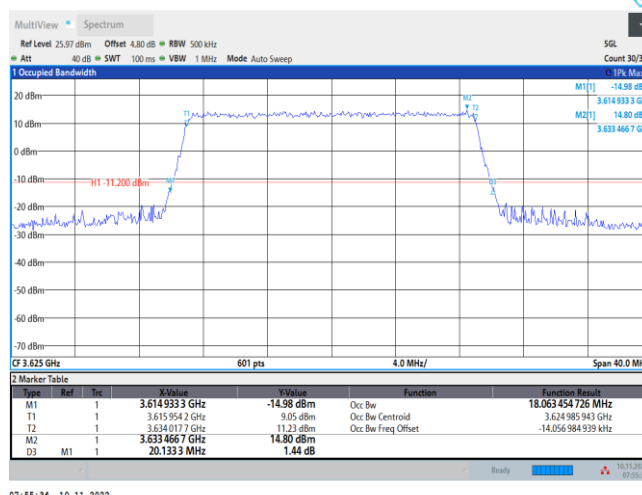
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## Band48-20MHz-64QAM-55340-100RB#0



## Band48-20MHz-64QAM-55990-100RB#0



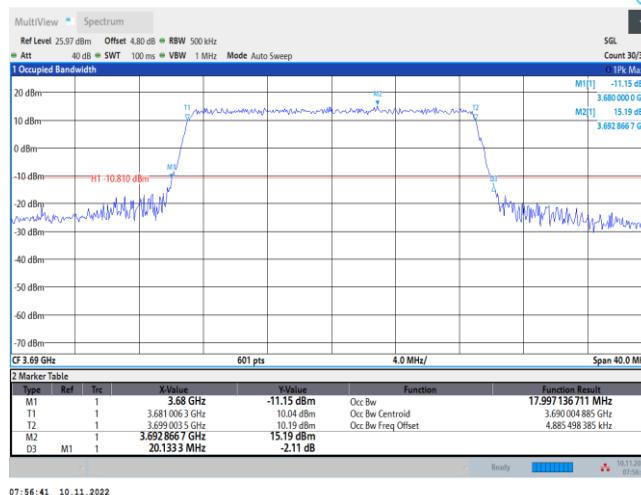
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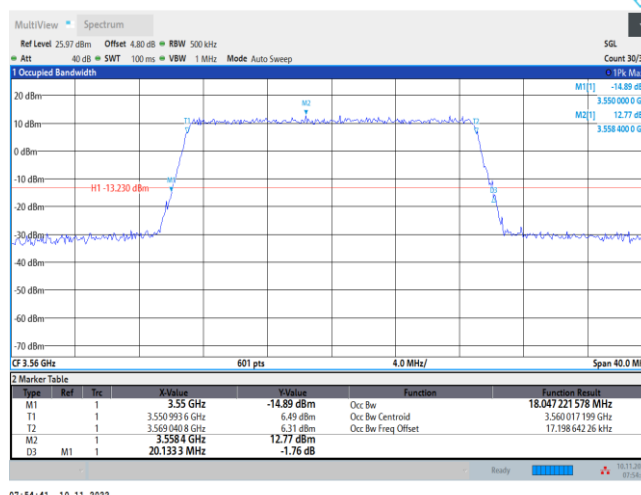
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## Band48-20MHz-64QAM-56640-100RB#0



## Band48-20MHz-256QAM-55340-100RB#0



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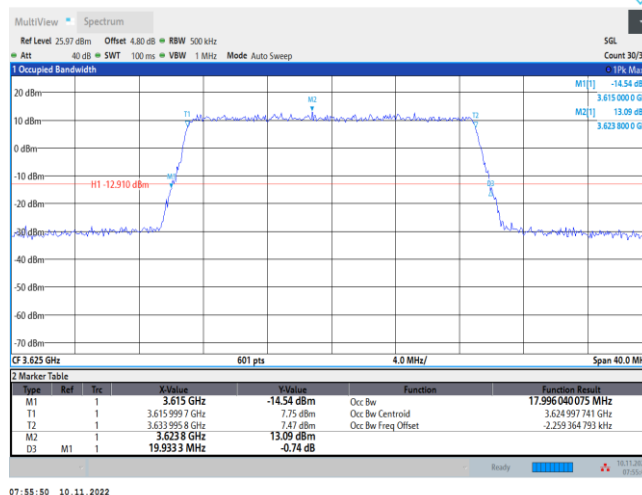
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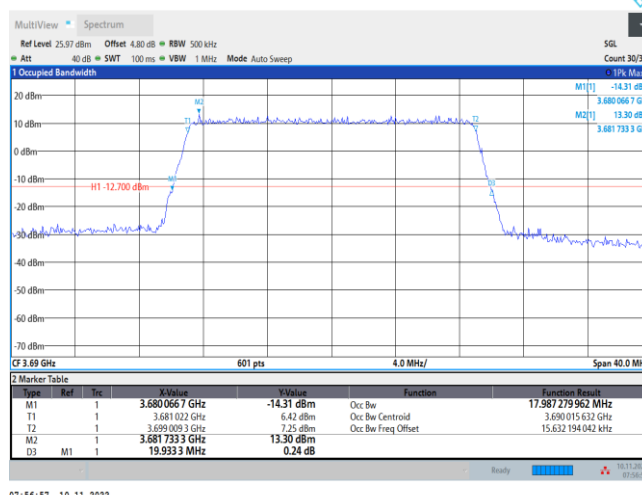
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## Band48-20MHz-256QAM-55990-100RB#0



## Band48-20MHz-256QAM-56640-100RB#0



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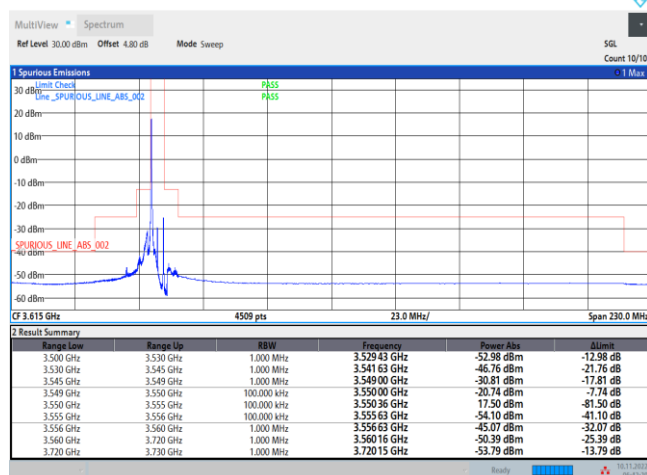
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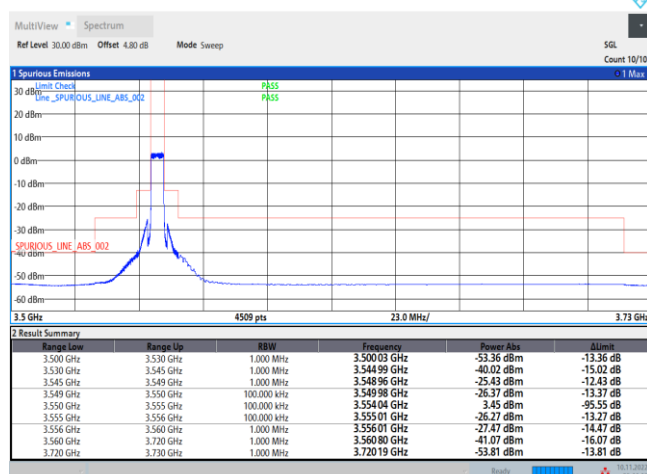
## Band Edge

## Test Graphs

Band48-5MHz-QPSK-55265-1RB#0



Band48-5MHz-QPSK-55265-25RB#0



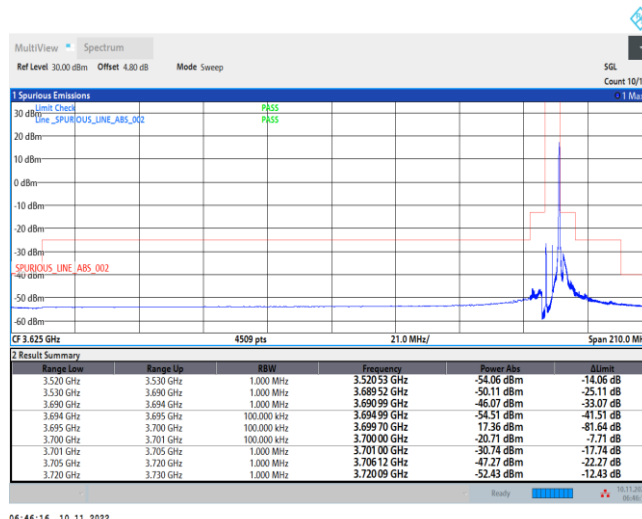
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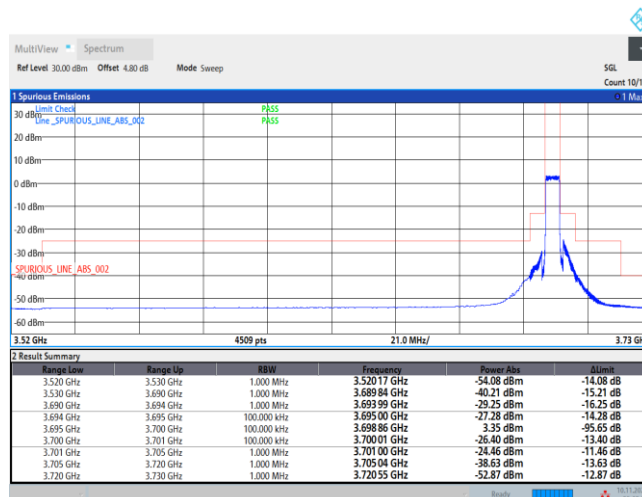
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## Band48-5MHz-QPSK-56715-1RB#24



06:46:16 10.11.2022

## Band48-5MHz-QPSK-56715-25RB#0



06:48:00 10.11.2022



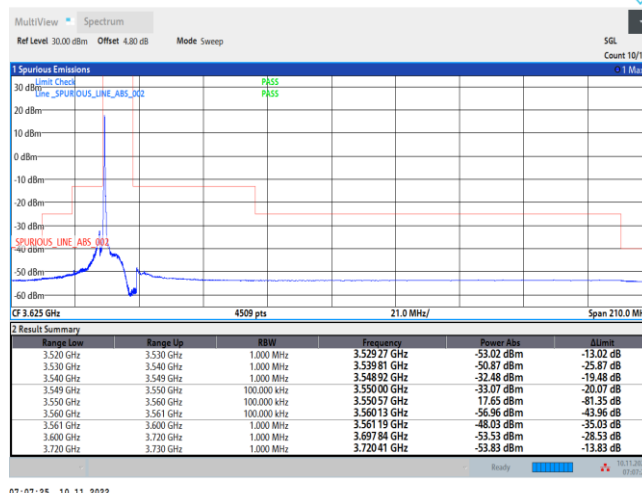
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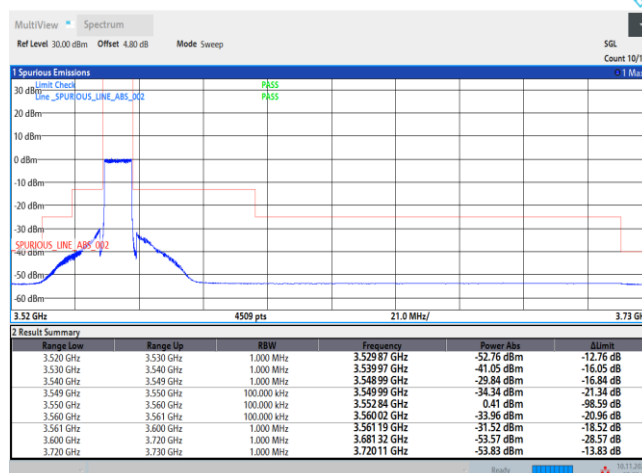
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## Band48-10MHz-QPSK-55290-1RB#0



07:07:25 10.11.2022

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07:09:10 10.11.2022



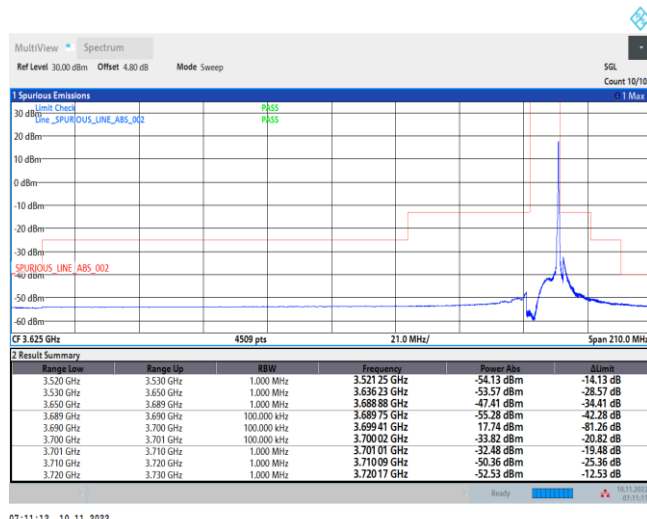
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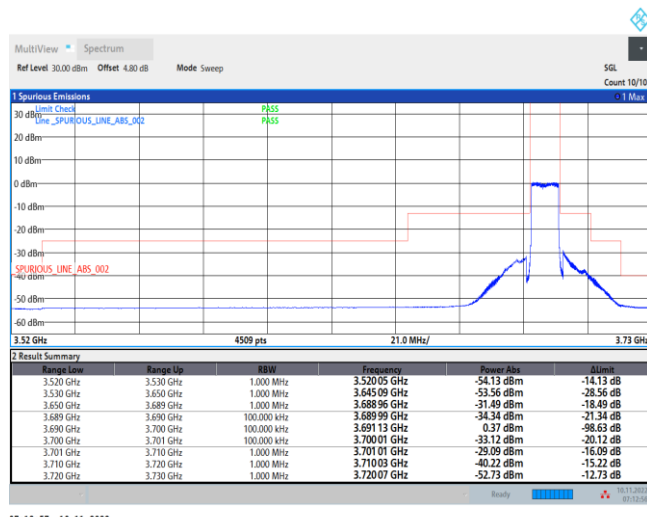
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## Band48-10MHz-QPSK-56690-1RB#49



07:11:12 10.11.2022

## Band48-10MHz-QPSK-56690-50RB#0



07:12:57 10.11.2022



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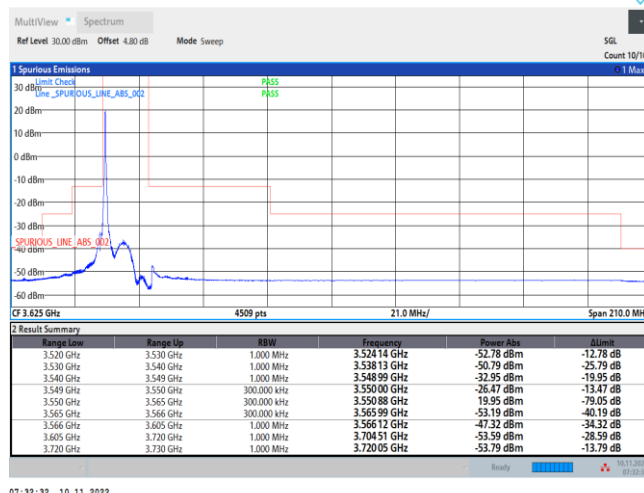
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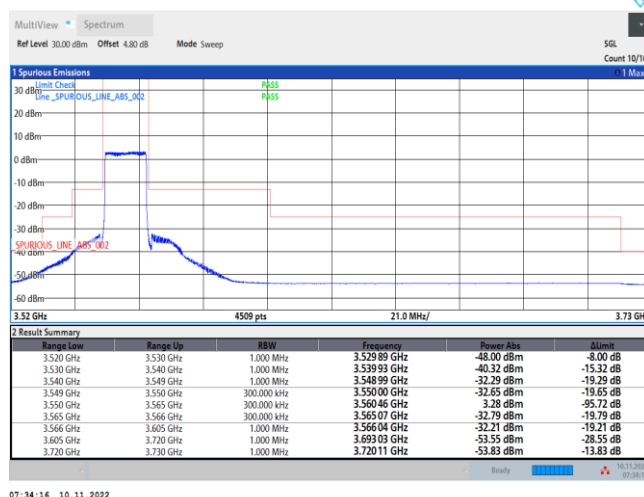
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## Band48-15MHz-QPSK-55315-1RB#0



## Band48-15MHz-QPSK-55315-75RB#0



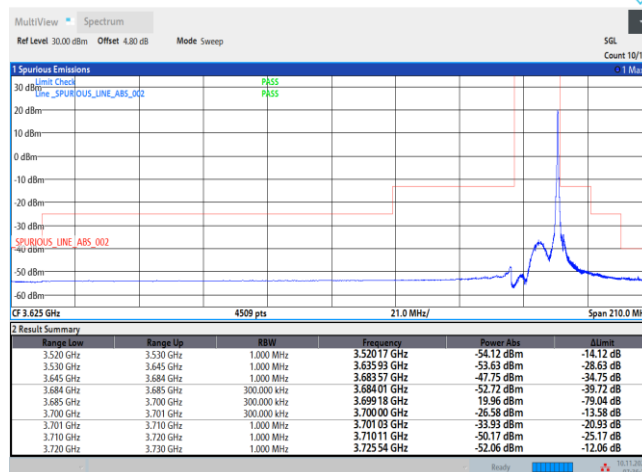
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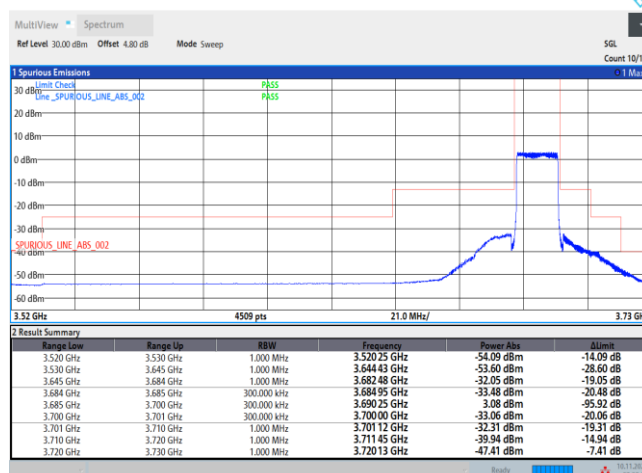
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## Band48-15MHz-QPSK-56665-1RB#74



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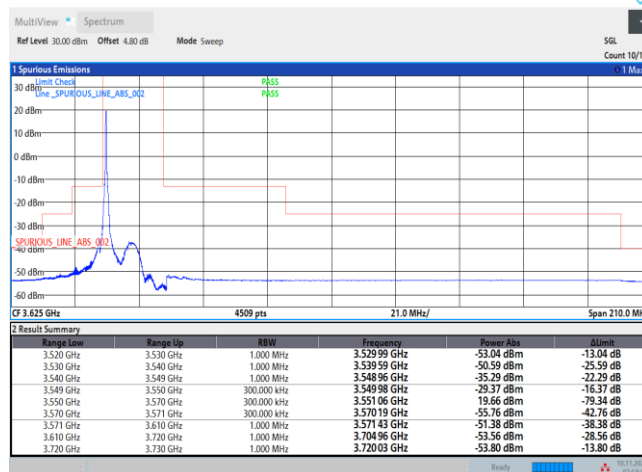
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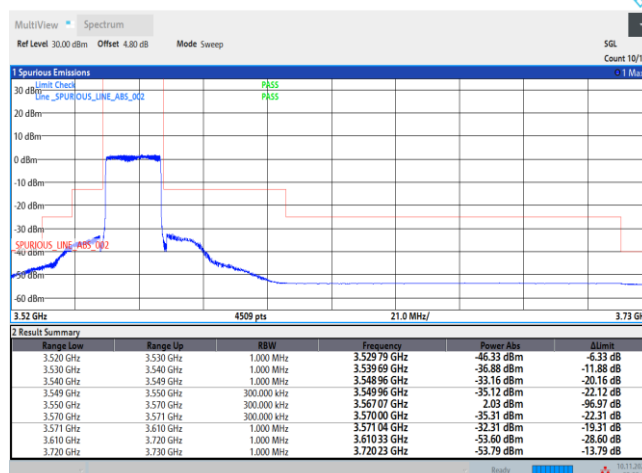
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## Band48-20MHz-QPSK-55340-1RB#0



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08:00:41 10.11.2022



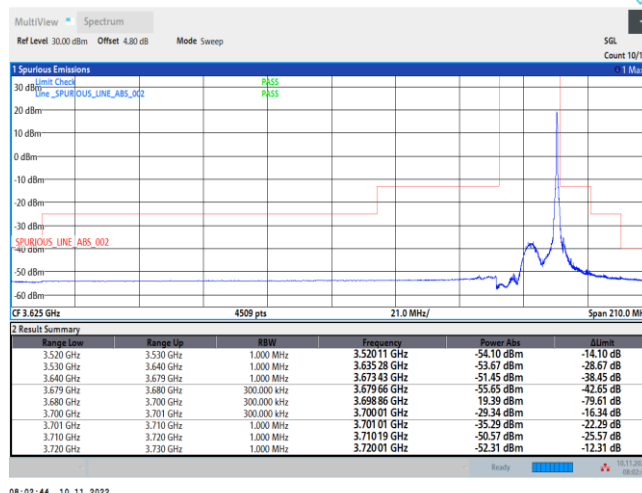
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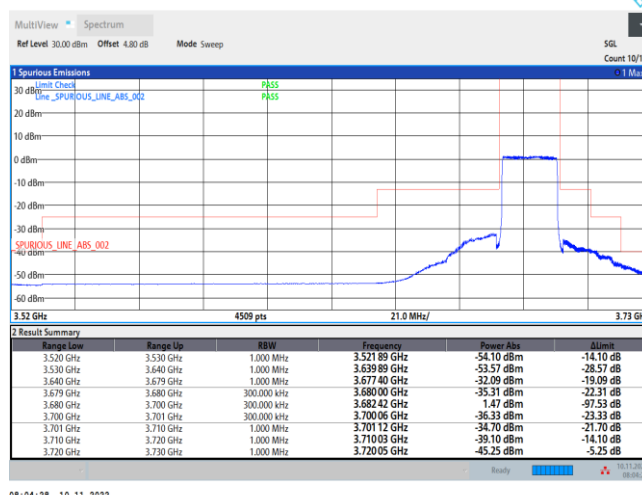
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## Band48-20MHz-QPSK-56640-1RB#99



## Band48-20MHz-QPSK-56640-100RB#0



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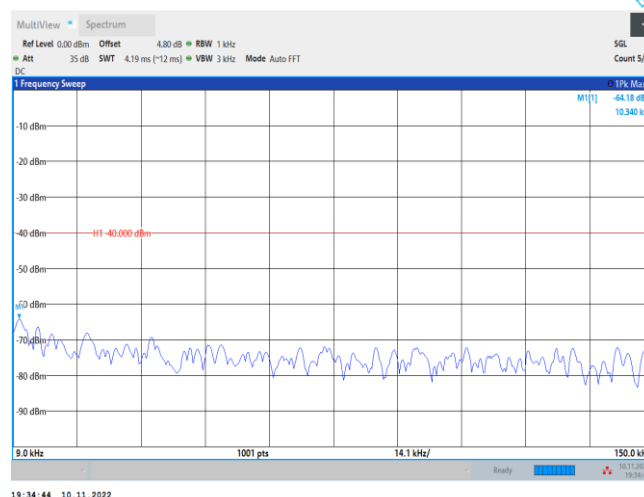
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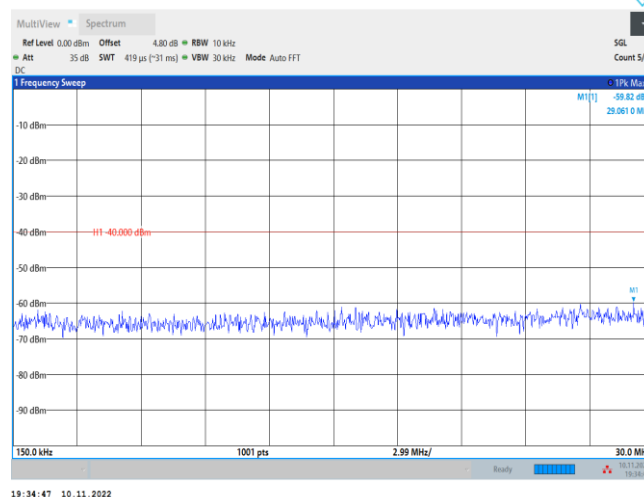
### Conducted Spurious Emission

#### Test Graphs

Band48-20MHz-QPSK-55340-1RB#0-Range1:0.009~0.15MHz



Band48-20MHz-QPSK-55340-1RB#0-Range2:0.15~30MHz



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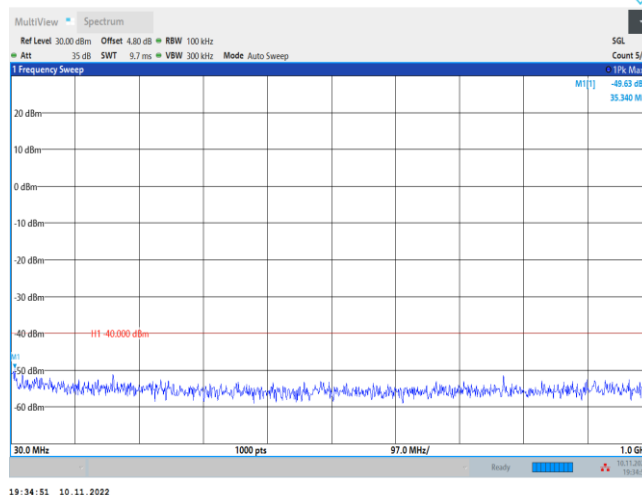
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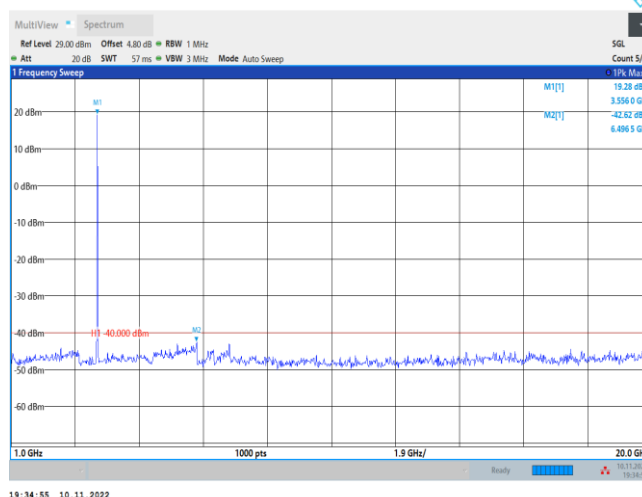
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## Band48-20MHz-QPSK-55340-1RB#0-Range3:30~1000MHz



## Band48-20MHz-QPSK-55340-1RB#0-Range4:1000~20000MHz



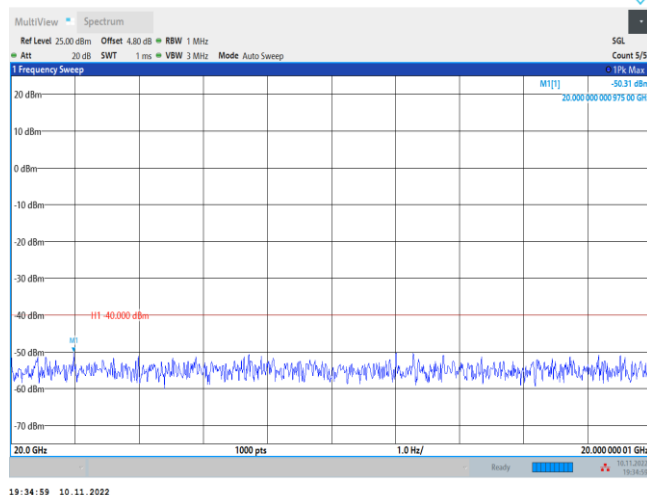
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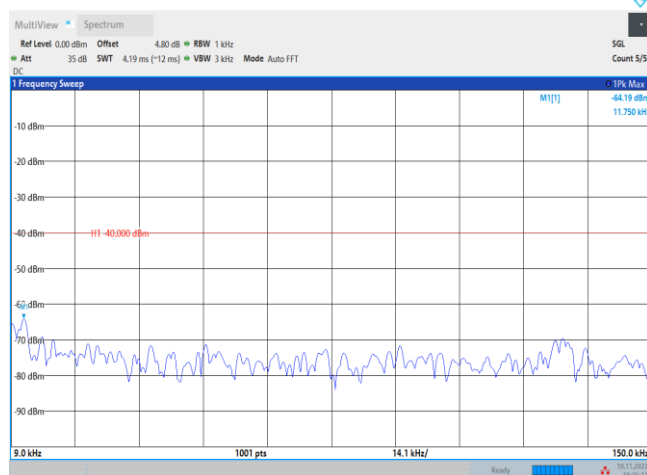
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### Band48-20MHz-QPSK-55340-1RB#0-Range5:20000~38000MHz



19:34:59 10.11.2022

### Band48-20MHz-QPSK-55990-1RB#0-Range1:0.009~0.15MHz



19:35:13 10.11.2022



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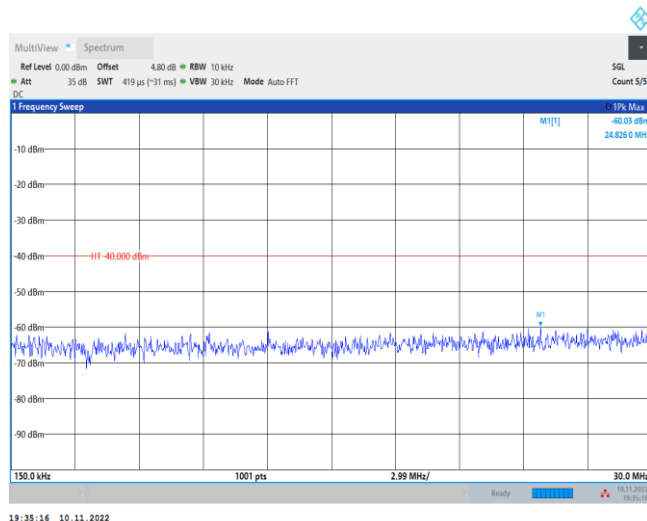
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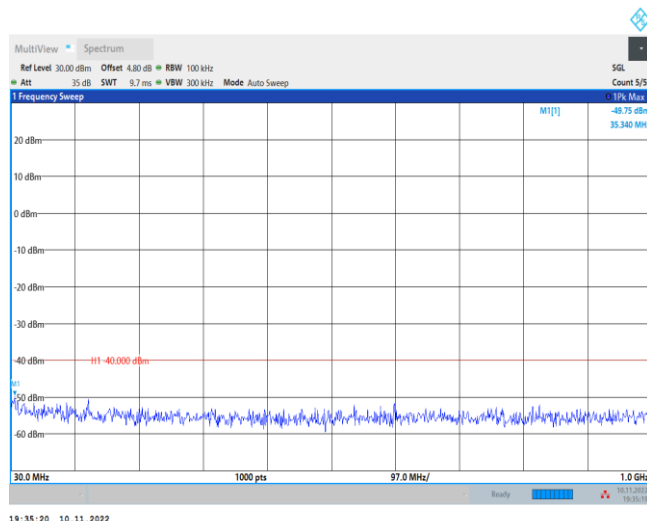
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## Band48-20MHz-QPSK-55990-1RB#0-Range2:0.15~30MHz



## Band48-20MHz-QPSK-55990-1RB#0-Range3:30~1000MHz



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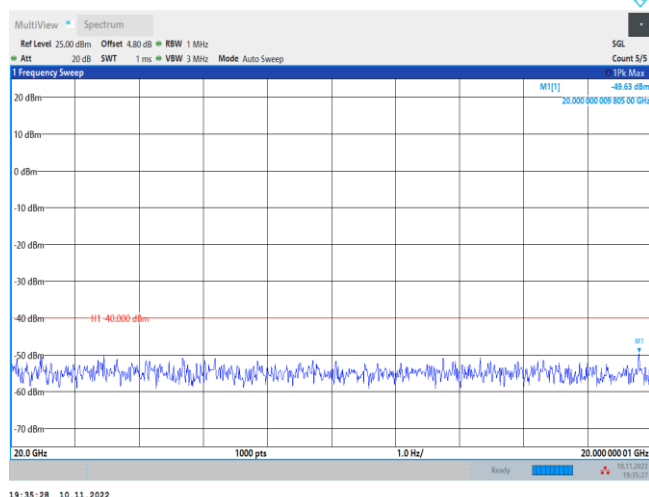
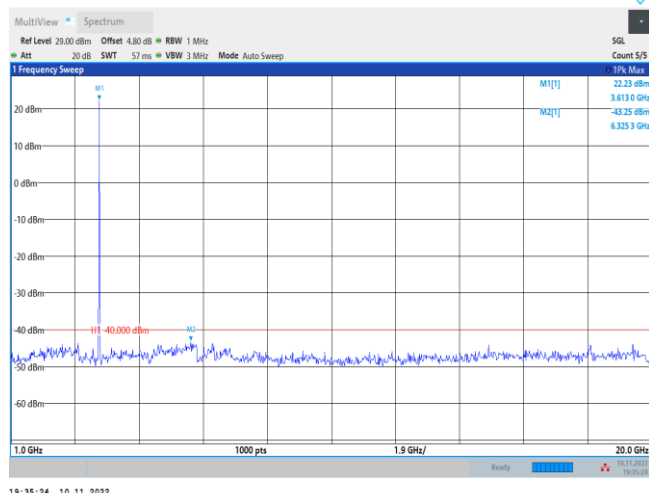
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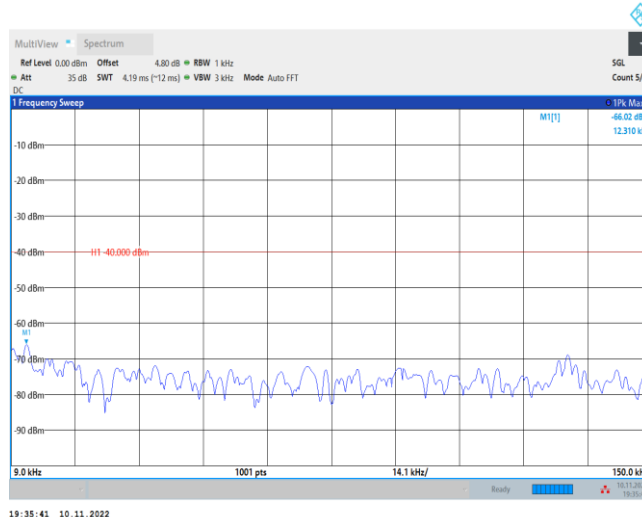


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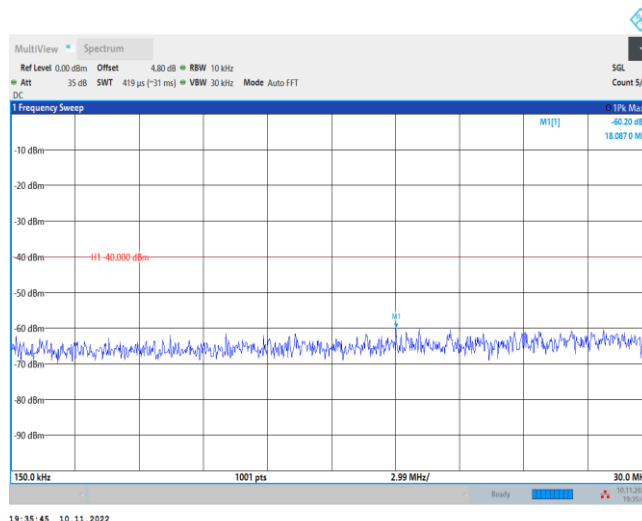
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## Band48-20MHz-QPSK-56640-1RB#0-Range1:0.009~0.15MHz



## Band48-20MHz-QPSK-56640-1RB#0-Range2:0.15~30MHz



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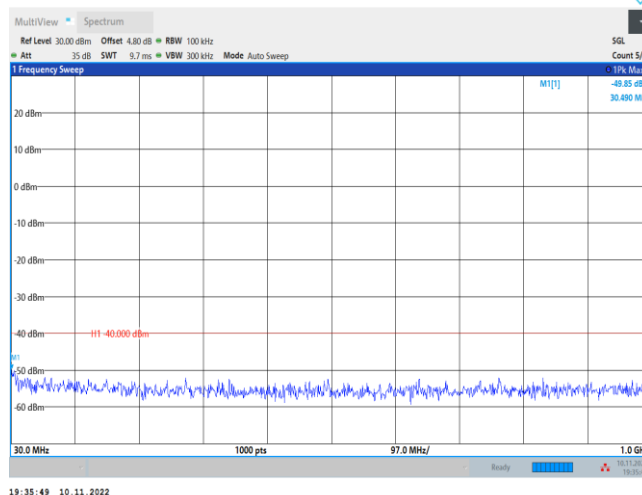
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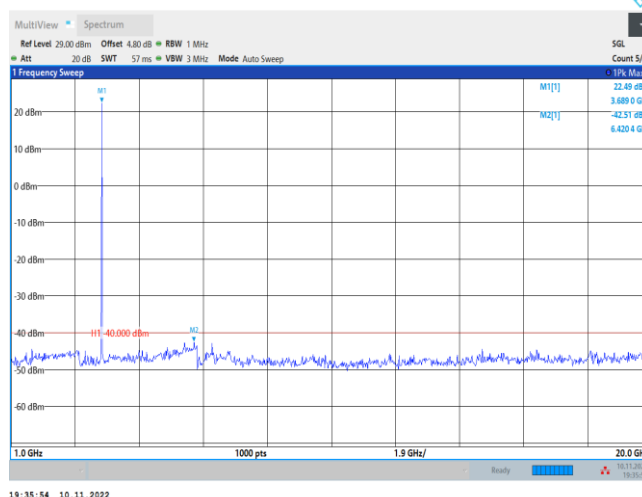
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## Band48-20MHz-QPSK-56640-1RB#0-Range3:30~1000MHz



## Band48-20MHz-QPSK-56640-1RB#0-Range4:1000~20000MHz



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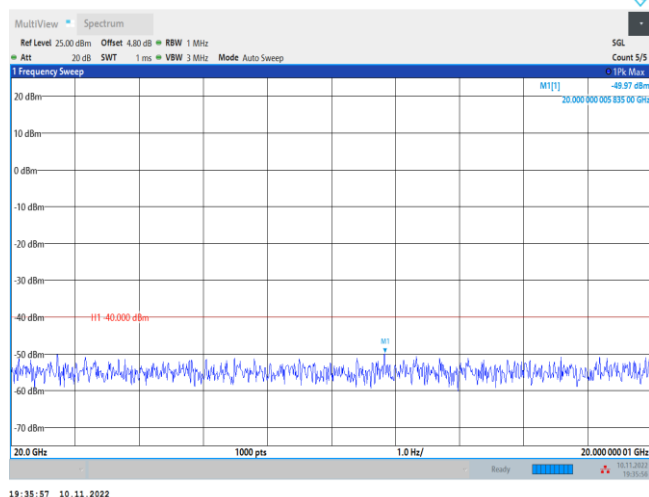
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## Frequency Stability

## Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band48 | 20MHz     | QPSK       | 55990   | 100RB#0      | VL            | NT               | 2.50           | 0.000690        | PASS    |
| Band48 | 20MHz     | QPSK       | 55990   | 100RB#0      | VN            | NT               | 3.10           | 0.000855        | PASS    |
| Band48 | 20MHz     | QPSK       | 55990   | 100RB#0      | VH            | NT               | 2.00           | 0.000552        | PASS    |

| Band   | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Verdict |
|--------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|---------|
| Band48 | 20MHz     | QPSK       | 55990   | 100RB#0      | NV            | -30              | 1.30           | 0.000359        | PASS    |
| Band48 | 20MHz     | QPSK       | 55990   | 100RB#0      | NV            | -20              | 3.30           | 0.000910        | PASS    |
| Band48 | 20MHz     | QPSK       | 55990   | 100RB#0      | NV            | -10              | 2.00           | 0.000552        | PASS    |
| Band48 | 20MHz     | QPSK       | 55990   | 100RB#0      | NV            | 0                | 1.90           | 0.000524        | PASS    |
| Band48 | 20MHz     | QPSK       | 55990   | 100RB#0      | NV            | 10               | 2.10           | 0.000579        | PASS    |
| Band48 | 20MHz     | QPSK       | 55990   | 100RB#0      | NV            | 20               | 3.00           | 0.000828        | PASS    |
| Band48 | 20MHz     | QPSK       | 55990   | 100RB#0      | NV            | 30               | 1.90           | 0.000524        | PASS    |
| Band48 | 20MHz     | QPSK       | 55990   | 100RB#0      | NV            | 40               | 0.70           | 0.000193        | PASS    |
| Band48 | 20MHz     | QPSK       | 55990   | 100RB#0      | NV            | 50               | 3.80           | 0.001048        | PASS    |



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