

## APPENDIX E: TEST RESULTS FOR E-UTRA OPERATING BAND 2

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## APPENDIX E.1: EFFECTIVE (ISOTROPIC) RADIATED POWER

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Conducted Result (dBm) | EIRP Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|------------------------|-------------------|---------|
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#0            | 21.73                  | 24.63             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#2            | 21.70                  | 24.60             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#5            | 21.64                  | 24.54             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 3RB#0            | 21.74                  | 24.64             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 3RB#1            | 21.63                  | 24.53             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 3RB#3            | 21.56                  | 24.46             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 6RB#0            | 20.56                  | 23.46             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#0            | 21.58                  | 24.48             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#2            | 21.54                  | 24.44             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#5            | 21.35                  | 24.25             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 3RB#0            | 21.38                  | 24.28             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 3RB#1            | 21.38                  | 24.28             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 3RB#3            | 21.26                  | 24.16             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 6RB#0            | 20.46                  | 23.36             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#0            | 21.46                  | 24.36             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#2            | 21.33                  | 24.23             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#5            | 21.4                   | 24.30             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 3RB#0            | 21.44                  | 24.34             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 3RB#1            | 21.45                  | 24.35             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 3RB#3            | 21.41                  | 24.31             | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 6RB#0            | 20.53                  | 23.43             | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 1RB#0            | 21.51                  | 24.41             | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 1RB#8            | 21.84                  | 24.74             | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 1RB#14           | 21.91                  | 24.81             | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 8RB#0            | 20.75                  | 23.65             | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 8RB#4            | 20.68                  | 23.58             | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 8RB#7            | 20.76                  | 23.66             | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 15RB#0           | 20.71                  | 23.61             | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 1RB#0            | 21.46                  | 24.36             | PASS    |

|       |      |      |       |         |       |       |      |
|-------|------|------|-------|---------|-------|-------|------|
| Band2 | 3MHz | QPSK | 18900 | 1RB#8   | 21.29 | 24.19 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#14  | 21.22 | 24.12 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#0   | 20.6  | 23.50 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#4   | 20.61 | 23.51 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#7   | 20.4  | 23.30 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 15RB#0  | 20.59 | 23.49 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#0   | 21.38 | 24.28 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#8   | 21.26 | 24.16 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#14  | 21.38 | 24.28 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#0   | 20.49 | 23.39 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#4   | 20.5  | 23.40 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#7   | 20.39 | 23.29 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 15RB#0  | 20.57 | 23.47 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#0   | 21.5  | 24.40 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#12  | 21.57 | 24.47 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#24  | 21.51 | 24.41 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#0  | 20.57 | 23.47 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#6  | 20.58 | 23.48 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#13 | 20.53 | 23.43 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 25RB#0  | 20.60 | 23.50 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#0   | 21.51 | 24.41 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#12  | 21.35 | 24.25 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#24  | 21.22 | 24.12 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#0  | 20.54 | 23.44 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#6  | 20.55 | 23.45 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#13 | 20.42 | 23.32 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 25RB#0  | 20.57 | 23.47 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#0   | 21.41 | 24.31 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#12  | 21.39 | 24.29 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#24  | 21.39 | 24.29 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#0  | 20.60 | 23.50 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#6  | 20.64 | 23.54 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#13 | 20.42 | 23.32 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 25RB#0  | 20.48 | 23.38 | PASS |

|       |       |      |       |         |       |       |      |
|-------|-------|------|-------|---------|-------|-------|------|
| Band2 | 10MHz | QPSK | 18650 | 1RB#0   | 21.49 | 24.39 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#24  | 21.71 | 24.61 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#49  | 22.05 | 24.95 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#0  | 20.69 | 23.59 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#12 | 20.71 | 23.61 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#25 | 20.68 | 23.58 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 50RB#0  | 20.61 | 23.51 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#0   | 21.38 | 24.28 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#24  | 21.48 | 24.38 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#49  | 21.10 | 24.00 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#0  | 20.65 | 23.55 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#12 | 20.67 | 23.57 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#25 | 20.32 | 23.22 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 50RB#0  | 20.57 | 23.47 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#0   | 21.34 | 24.24 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#24  | 21.59 | 24.49 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#49  | 21.37 | 24.27 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#0  | 20.58 | 23.48 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#12 | 20.6  | 23.50 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#25 | 20.43 | 23.33 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 50RB#0  | 20.66 | 23.56 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#0   | 21.51 | 24.41 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#38  | 21.70 | 24.60 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#74  | 21.70 | 24.60 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 36RB#0  | 20.71 | 23.61 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 36RB#18 | 20.59 | 23.49 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 36RB#39 | 20.70 | 23.60 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 75RB#0  | 20.70 | 23.60 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#0   | 21.4  | 24.30 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#38  | 21.28 | 24.18 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#74  | 21.17 | 24.07 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 36RB#0  | 20.65 | 23.55 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 36RB#18 | 20.66 | 23.56 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 36RB#39 | 20.24 | 23.14 | PASS |

|       |       |      |       |         |       |       |      |
|-------|-------|------|-------|---------|-------|-------|------|
| Band2 | 15MHz | QPSK | 18900 | 75RB#0  | 20.46 | 23.36 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#0   | 21.63 | 24.53 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#38  | 21.58 | 24.48 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#74  | 21.41 | 24.31 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 36RB#0  | 20.52 | 23.42 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 36RB#18 | 20.32 | 23.22 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 36RB#39 | 20.62 | 23.52 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 75RB#0  | 20.61 | 23.51 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#0   | 21.38 | 24.28 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#49  | 22.04 | 24.94 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#99  | 21.64 | 24.54 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#0  | 20.71 | 23.61 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#25 | 20.71 | 23.61 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#50 | 20.79 | 23.69 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 20.7  | 23.60 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#0   | 21.55 | 24.45 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#49  | 21.50 | 24.40 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#99  | 21.07 | 23.97 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#0  | 20.64 | 23.54 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#25 | 20.66 | 23.56 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#50 | 20.37 | 23.27 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 20.54 | 23.44 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#0   | 21.34 | 24.24 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#49  | 21.69 | 24.59 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#99  | 21.37 | 24.27 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#0  | 20.25 | 23.15 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#25 | 20.24 | 23.14 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#50 | 20.64 | 23.54 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 20.31 | 23.21 | PASS |

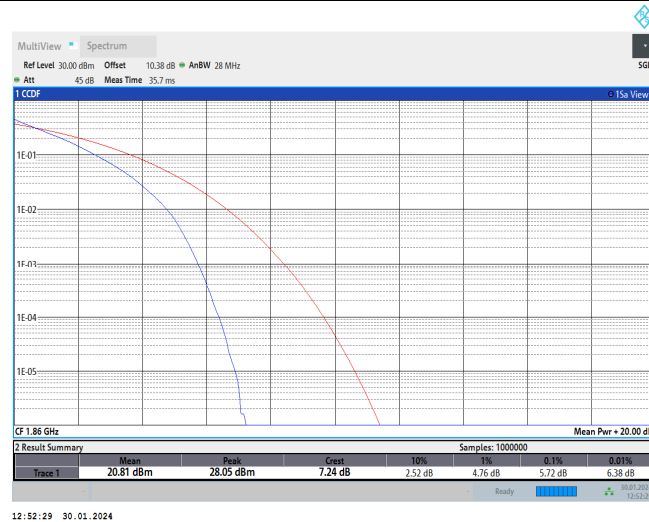
## APPENDIX E.2: PEAK-TO AVERAGE RATIO

### Test Result

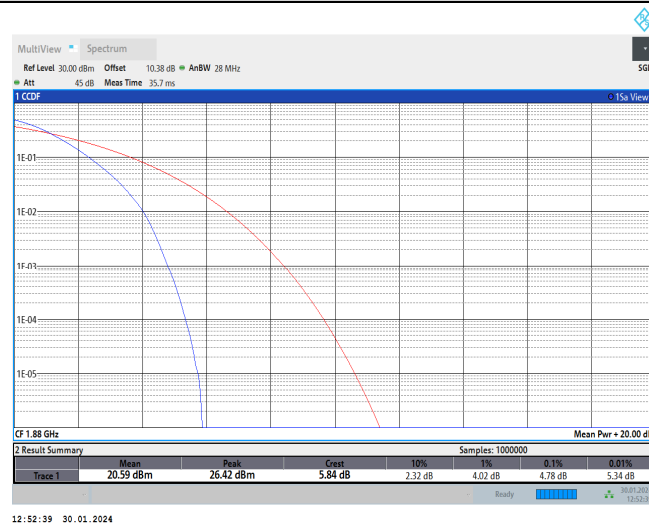
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band2 | 20MHz     | QPSK       | 18700   | 100RB#0          | 5.72       | 13        | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 100RB#0          | 4.78       | 13        | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 100RB#0          | 5.14       | 13        | PASS    |

## Test Graphs

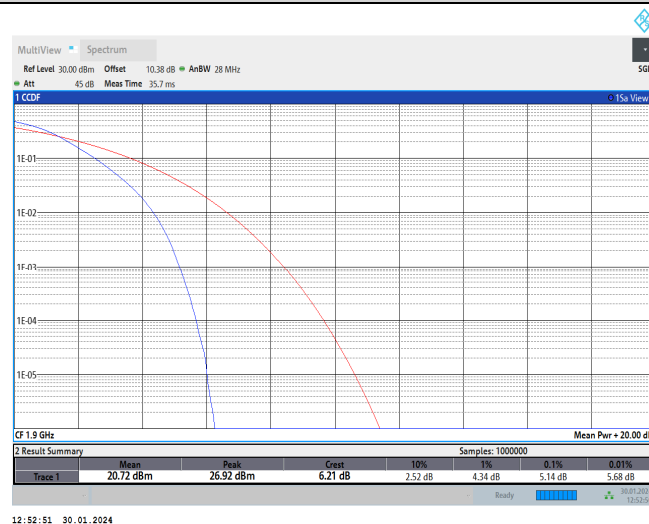
Band2-20MHz-QPSK-18700-100RB#0



Band2-20MHz-QPSK-18900-100RB#0



Band2-20MHz-QPSK-19100-100RB#0



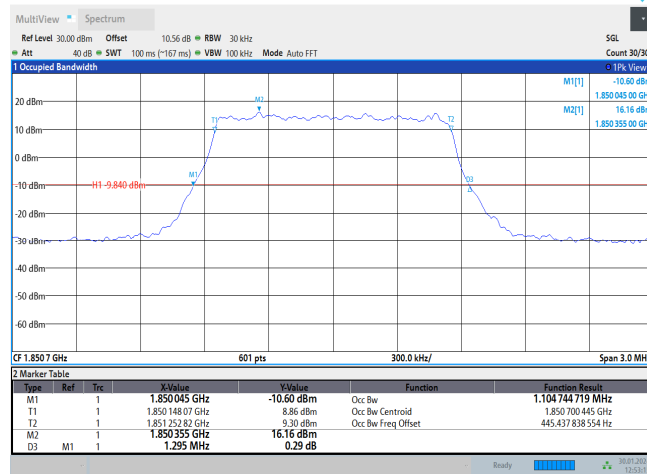
## APPENDIX E.3: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band2 | 1.4MHz    | QPSK       | 18607   | 6RB#0            | 1.105                    | 1.30                 | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 6RB#0            | 1.1                      | 1.34                 | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 6RB#0            | 1.098                    | 1.31                 | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 15RB#0           | 2.692                    | 2.96                 | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 15RB#0           | 2.693                    | 2.97                 | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 15RB#0           | 2.692                    | 2.96                 | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 25RB#0           | 4.483                    | 4.94                 | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 25RB#0           | 4.487                    | 4.97                 | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 25RB#0           | 4.478                    | 4.94                 | PASS    |
| Band2 | 10MHz     | QPSK       | 18650   | 50RB#0           | 8.939                    | 9.77                 | PASS    |
| Band2 | 10MHz     | QPSK       | 18900   | 50RB#0           | 8.916                    | 9.77                 | PASS    |
| Band2 | 10MHz     | QPSK       | 19150   | 50RB#0           | 8.887                    | 9.60                 | PASS    |
| Band2 | 15MHz     | QPSK       | 18675   | 75RB#0           | 13.484                   | 14.90                | PASS    |
| Band2 | 15MHz     | QPSK       | 18900   | 75RB#0           | 13.387                   | 14.75                | PASS    |
| Band2 | 15MHz     | QPSK       | 19125   | 75RB#0           | 13.322                   | 14.80                | PASS    |
| Band2 | 20MHz     | QPSK       | 18700   | 100RB#0          | 17.931                   | 19.40                | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 100RB#0          | 17.76                    | 19.40                | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 100RB#0          | 17.752                   | 19.13                | PASS    |

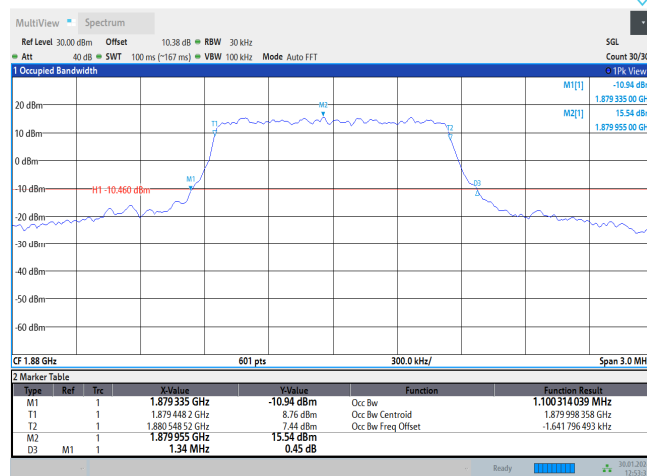
## Test Graphs

Band2-1.4MHz-QPSK-18607-6RB#0



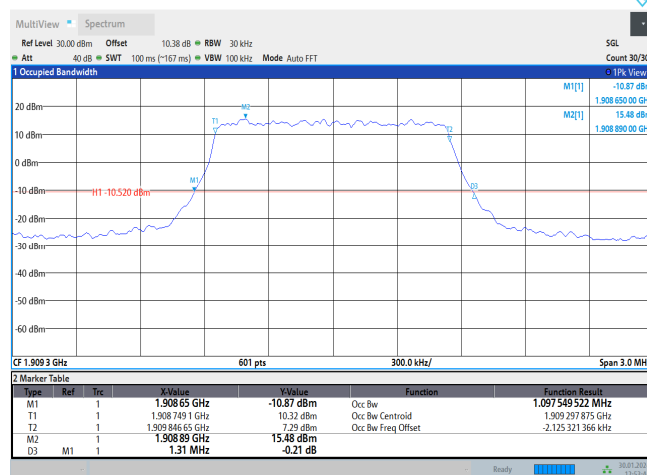
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Band2-1.4MHz-QPSK-18900-6RB#0



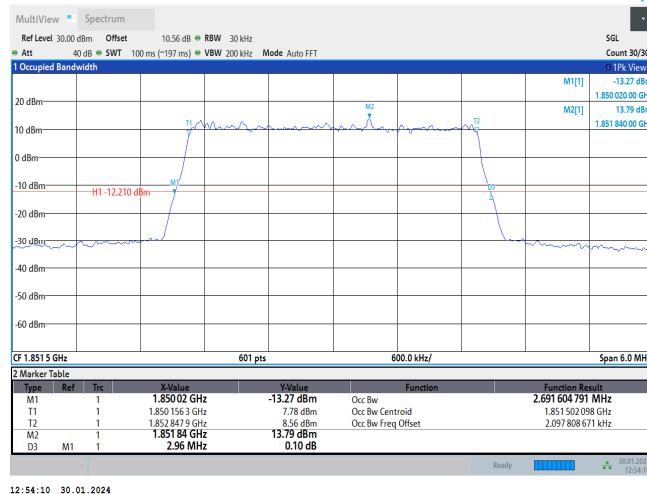
12:53:32 30.01.2024

Band2-1.4MHz-QPSK-19193-6RB#0



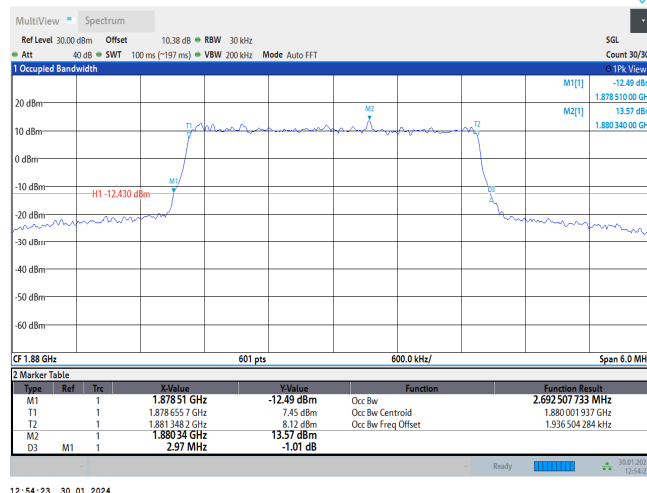
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### Band2-3MHz-QPSK-18615-15RB#0



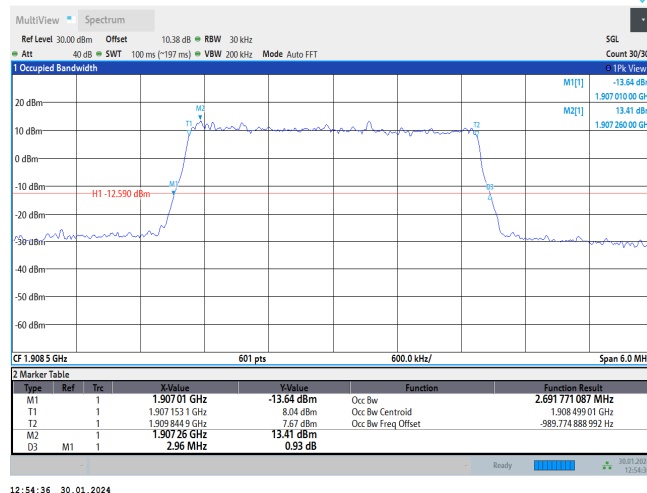
12:54:10 30.01.2024

### Band2-3MHz-QPSK-18900-15RB#0



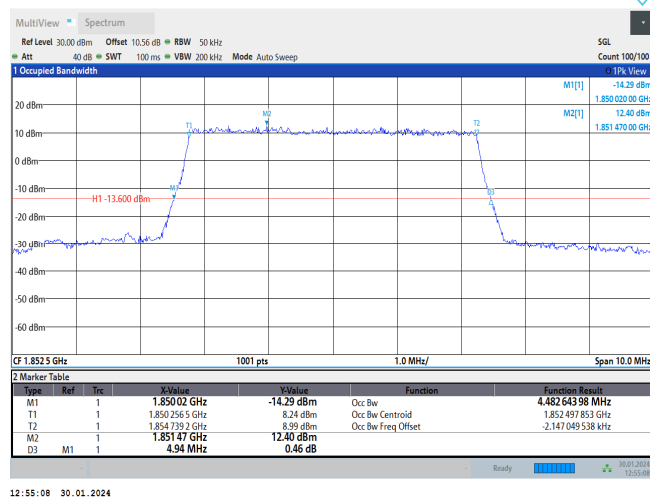
12:54:23 30.01.2024

### Band2-3MHz-QPSK-19185-15RB#0

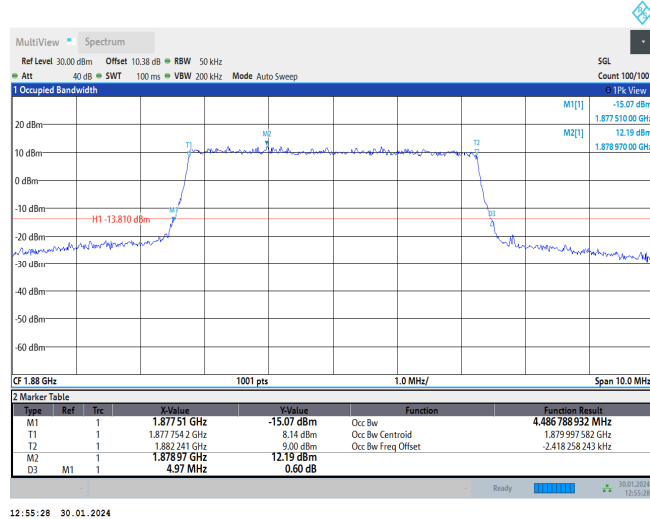


12:54:36 30.01.2024

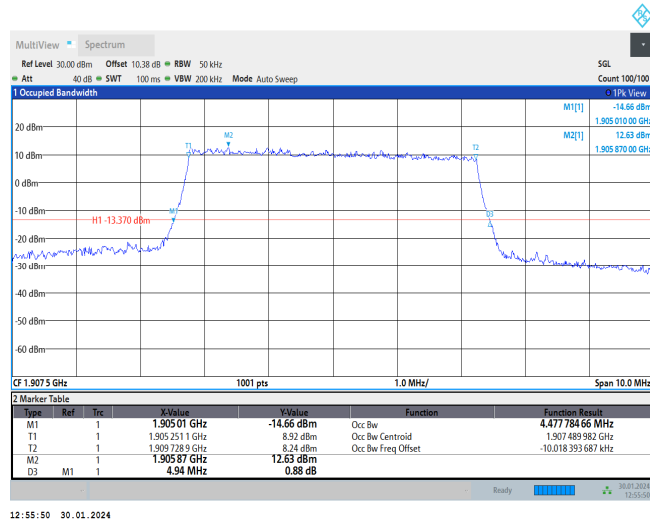
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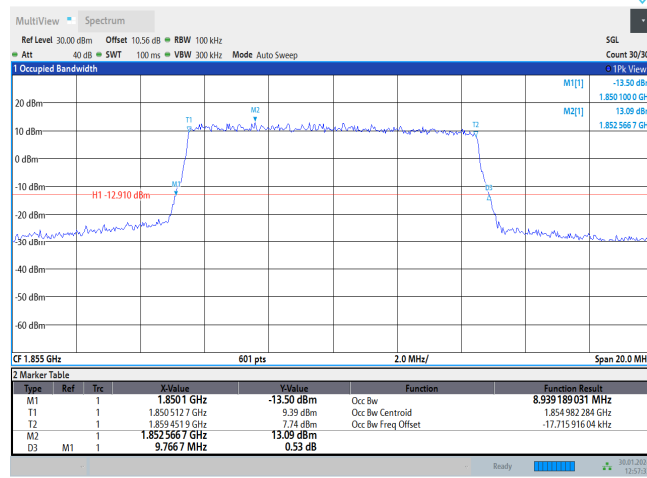
Band2-5MHz-QPSK-18900-25RB#0



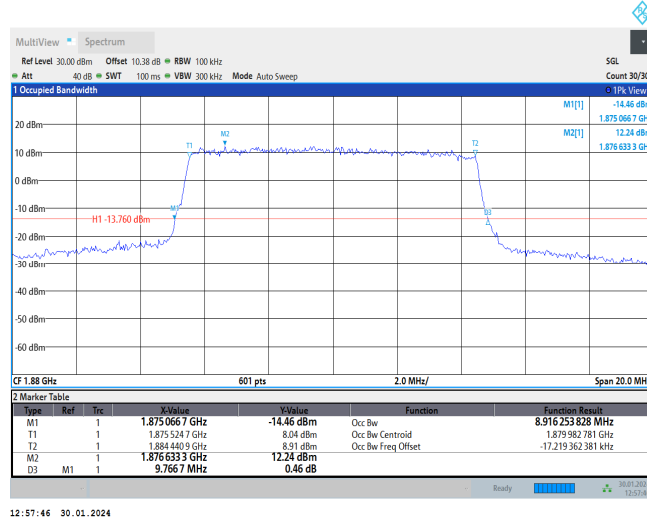
Band2-5MHz-QPSK-19175-25RB#0



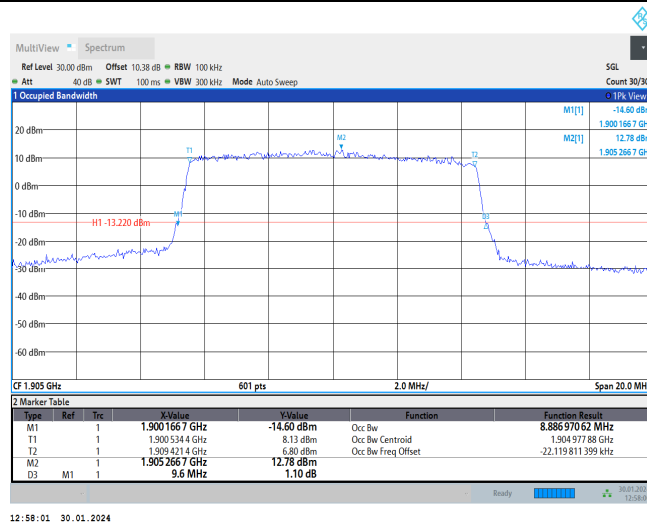
Band2-10MHz-QPSK-18650-50RB#0



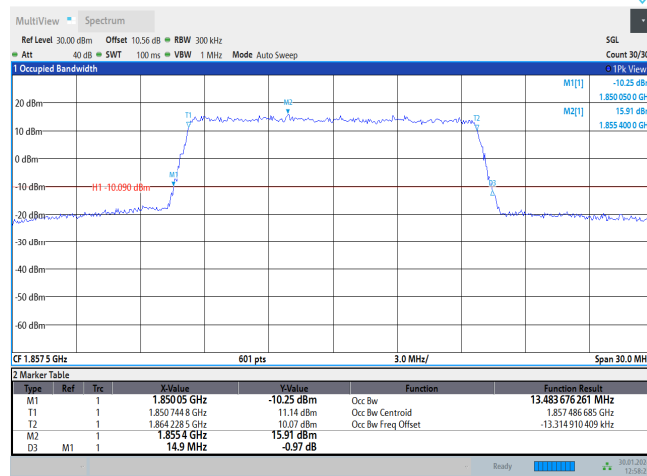
Band2-10MHz-QPSK-18900-50RB#0



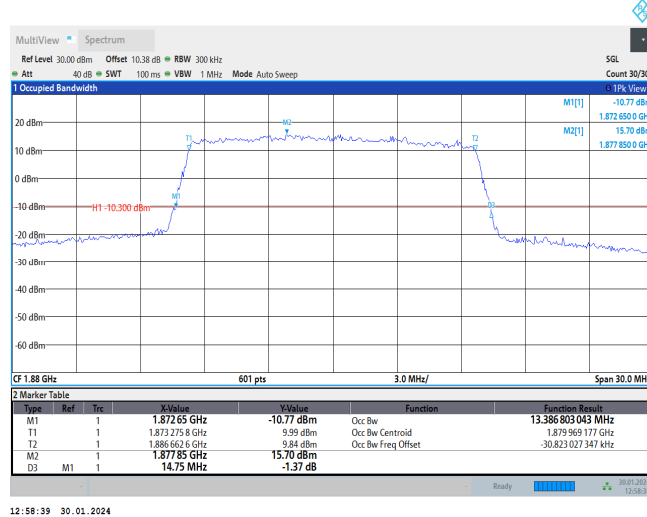
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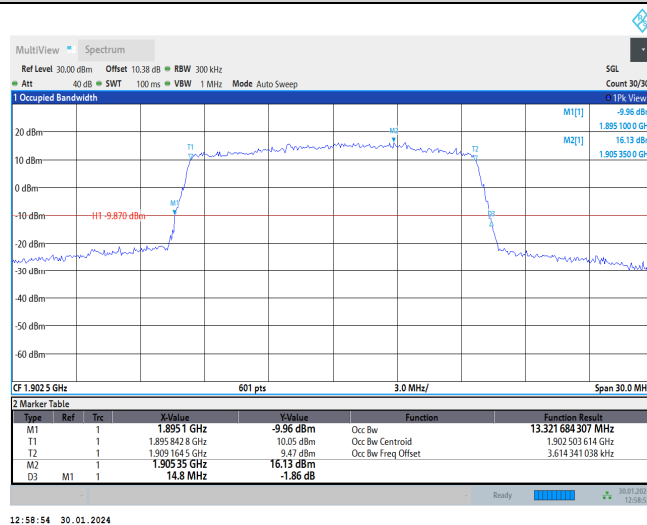
Band2-15MHz-QPSK-18675-75RB#0



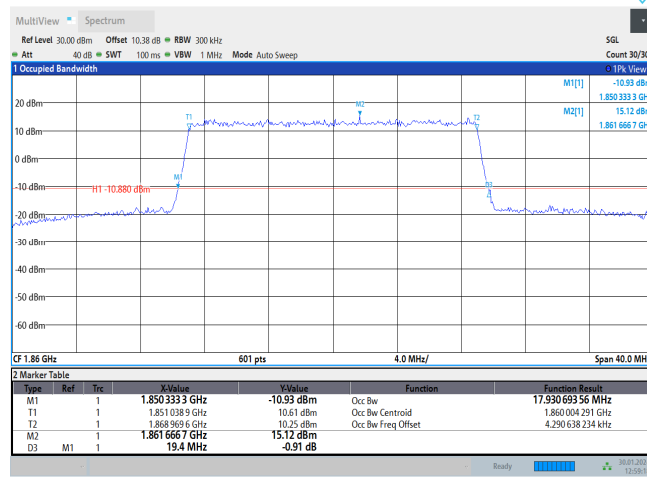
### Band2-15MHz-QPSK-18900-75RB#0



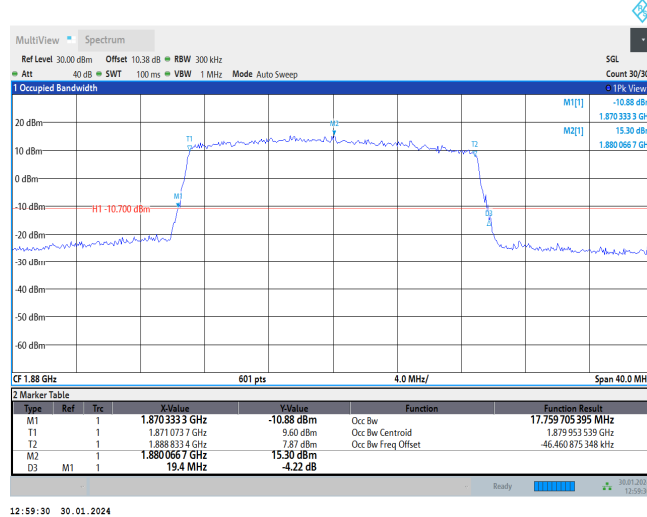
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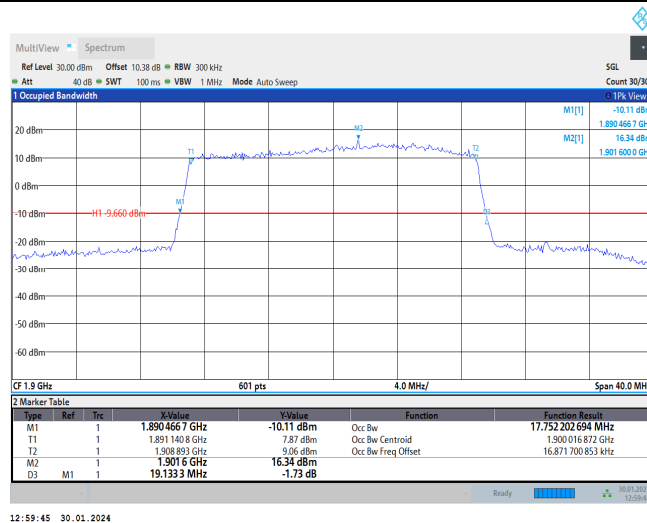
### Band2-20MHz-QPSK-18700-100RB#0



### Band2-20MHz-QPSK-18900-100RB#0



### Band2-20MHz-QPSK-19100-100RB#0



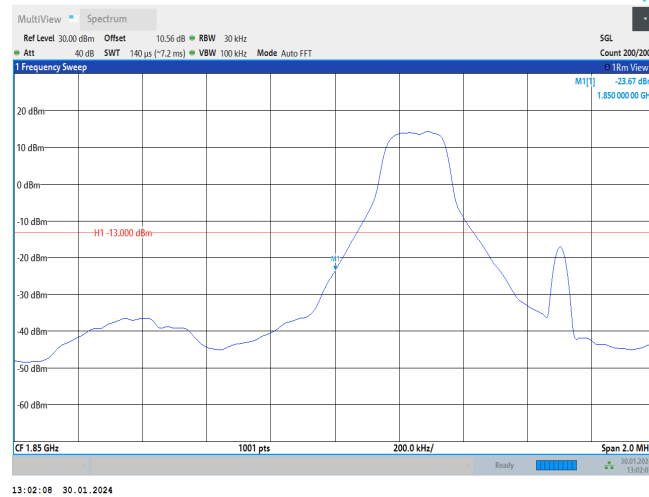
## APPENDIX E.4: BAND EDGE

### Test Result

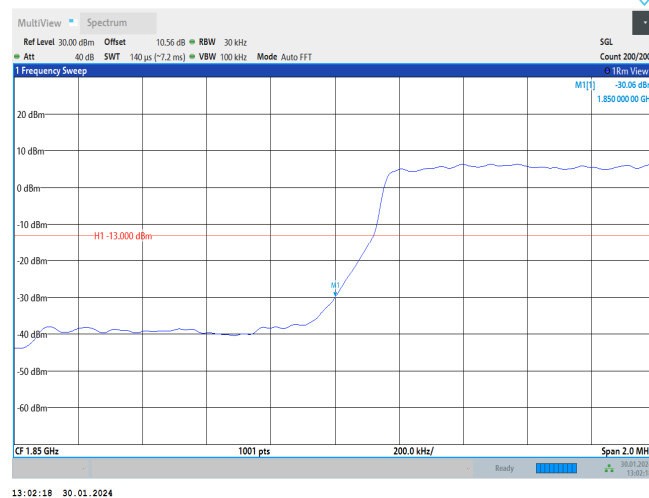
| Band  | Bandwidth | Modulation | Channel | RB Config. | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------|--------------|---------|
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#0      | -23.67       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 6RB#0      | -30.06       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#5      | -22.77       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 6RB#0      | -29.62       | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 1RB#0      | -20.16       | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 15RB#0     | -28.45       | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 1RB#14     | -19.18       | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 15RB#0     | -27.61       | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 1RB#0      | -23.94       | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 25RB#0     | -29.63       | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 1RB#24     | -24.36       | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 25RB#0     | -31.46       | PASS    |
| Band2 | 10MHz     | QPSK       | 18650   | 1RB#0      | -33.32       | PASS    |
| Band2 | 10MHz     | QPSK       | 18650   | 50RB#0     | -29.74       | PASS    |
| Band2 | 10MHz     | QPSK       | 19150   | 1RB#49     | -32.91       | PASS    |
| Band2 | 10MHz     | QPSK       | 19150   | 50RB#0     | -32.93       | PASS    |
| Band2 | 15MHz     | QPSK       | 18675   | 1RB#0      | -21.52       | PASS    |
| Band2 | 15MHz     | QPSK       | 18675   | 75RB#0     | -26.09       | PASS    |
| Band2 | 15MHz     | QPSK       | 19125   | 1RB#74     | -22.99       | PASS    |
| Band2 | 15MHz     | QPSK       | 19125   | 75RB#0     | -30.32       | PASS    |
| Band2 | 20MHz     | QPSK       | 18700   | 1RB#0      | -28.29       | PASS    |
| Band2 | 20MHz     | QPSK       | 18700   | 100RB#0    | -27.05       | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 1RB#99     | -29.57       | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 100RB#0    | -28.90       | PASS    |

## Test Graphs

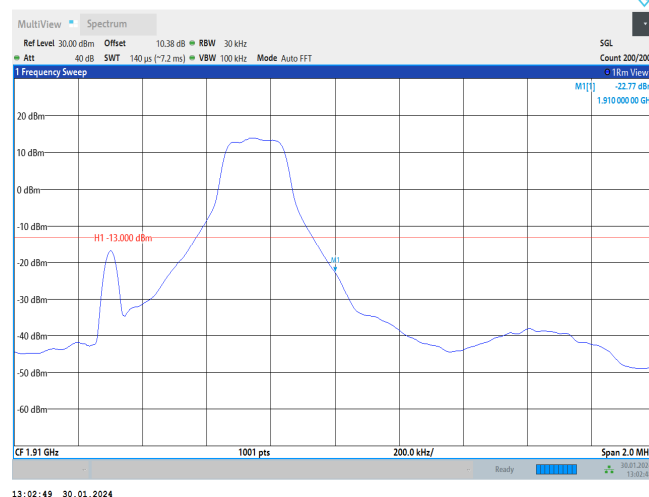
Band2-1.4MHz-QPSK-18607-1RB#0



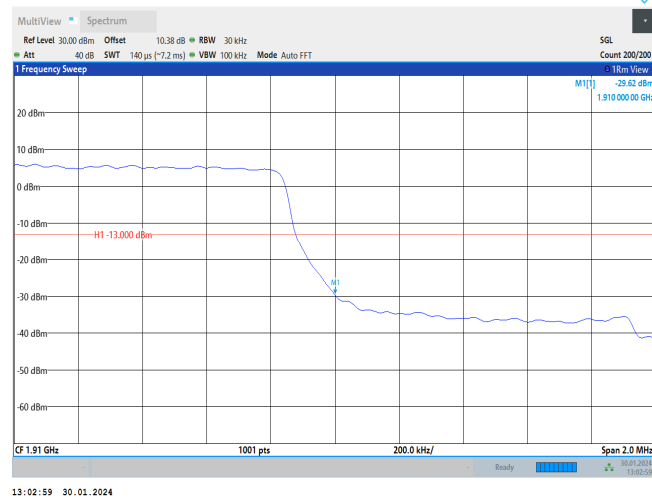
Band2-1.4MHz-QPSK-18607-6RB#0



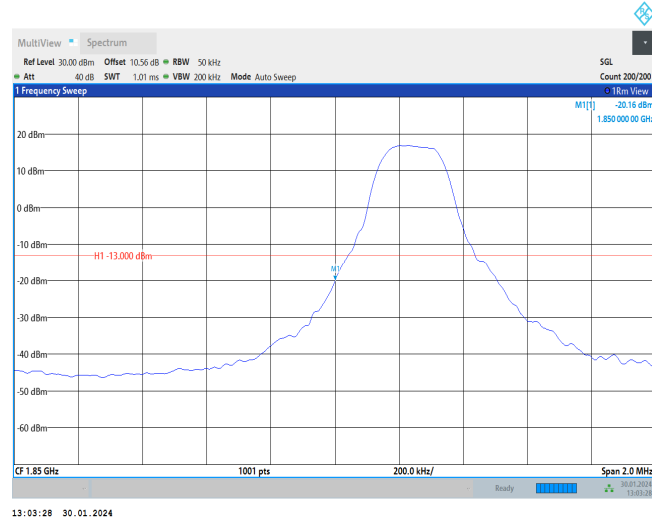
Band2-1.4MHz-QPSK-19193-1RB#5



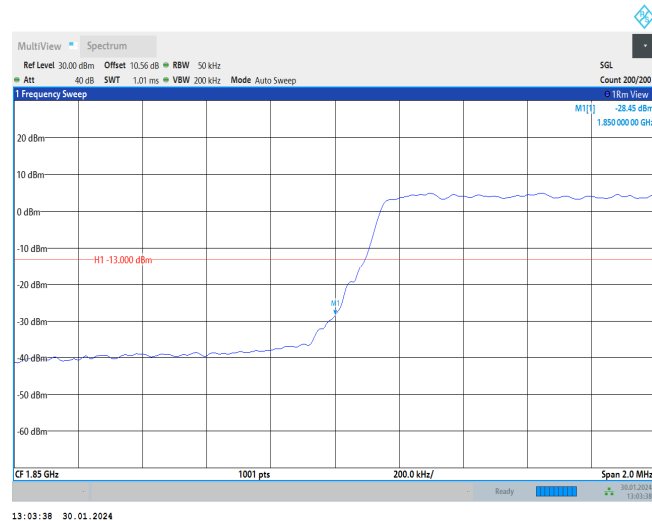
Band2-1.4MHz-QPSK-19193-6RB#0



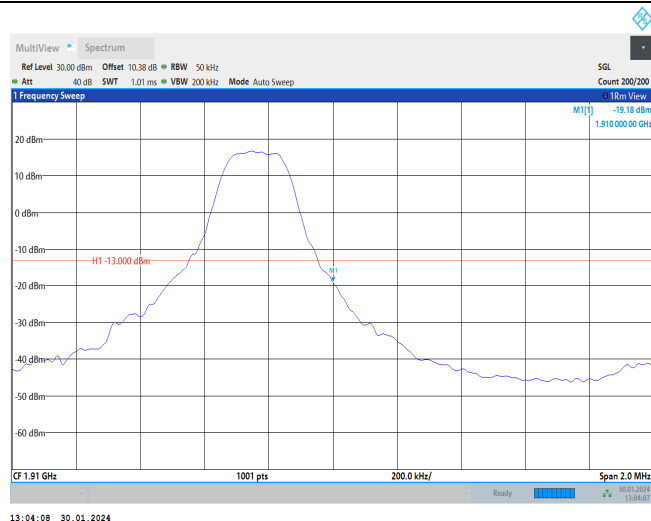
Band2-3MHz-QPSK-18615-1RB#0



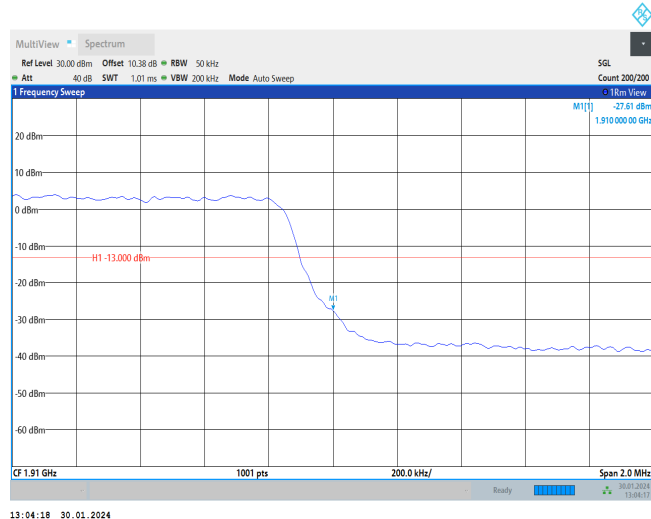
Band2-3MHz-QPSK-18615-15RB#0



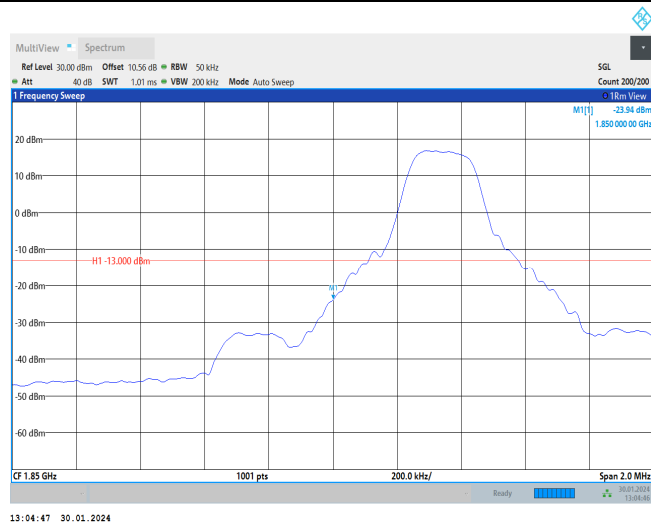
Band2-3MHz-QPSK-19185-1RB#14



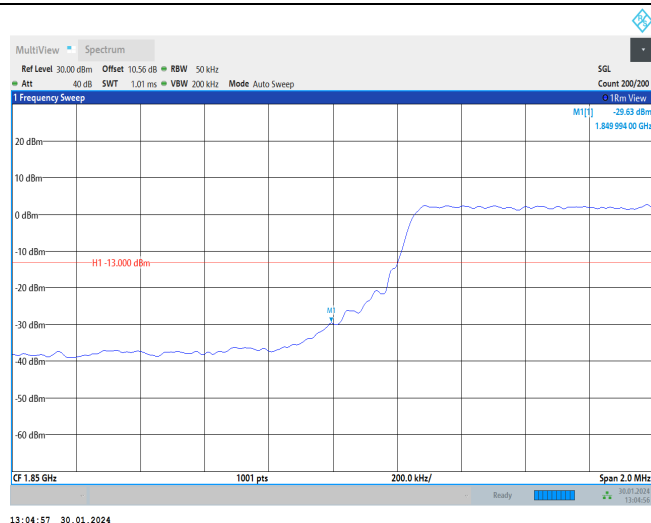
Band2-3MHz-QPSK-19185-15RB#0



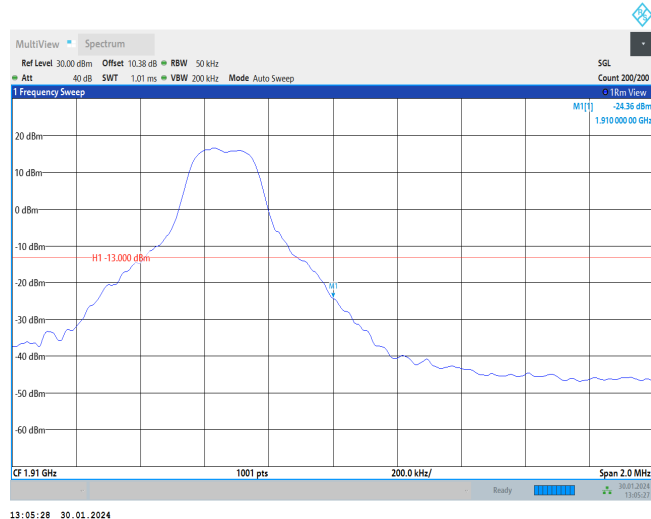
Band2-5MHz-QPSK-18625-1RB#0



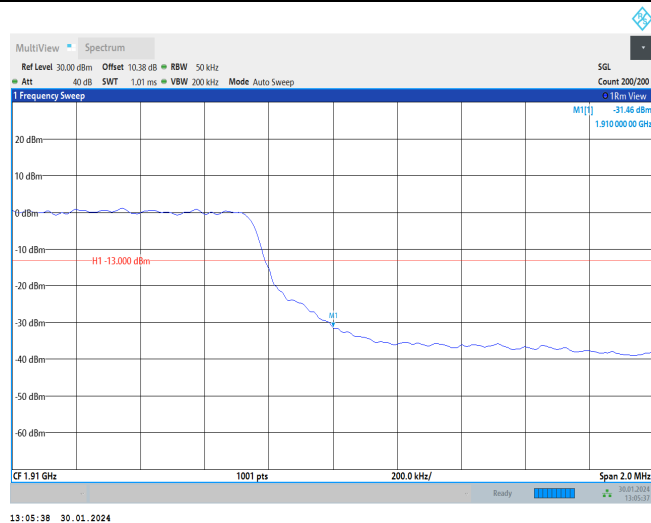
Band2-5MHz-QPSK-18625-25RB#0



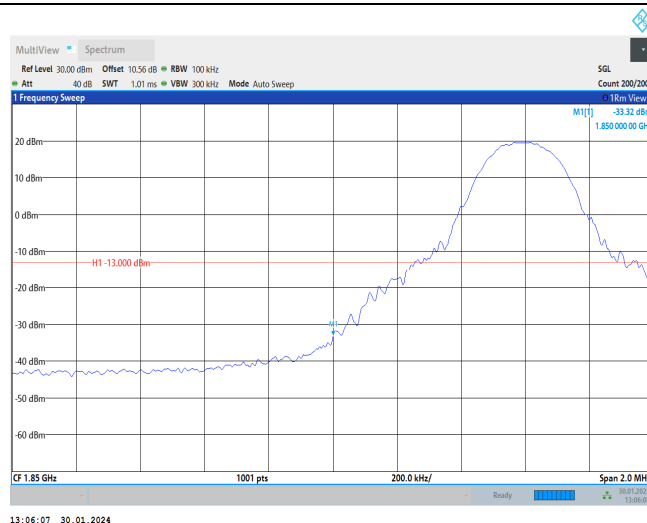
Band2-5MHz-QPSK-19175-1RB#24



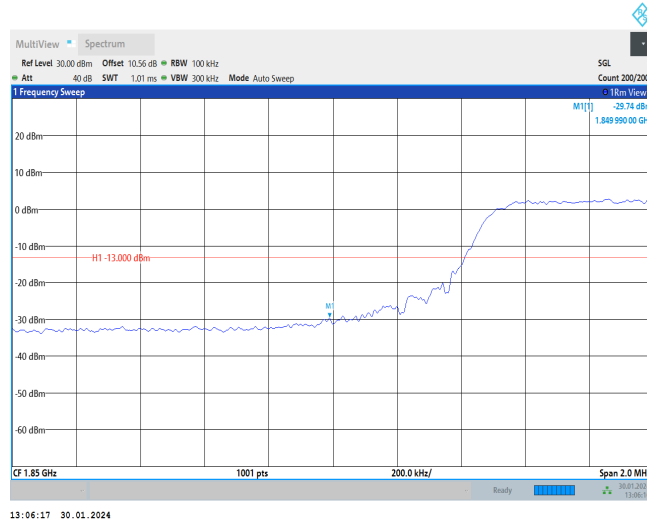
Band2-5MHz-QPSK-19175-25RB#0



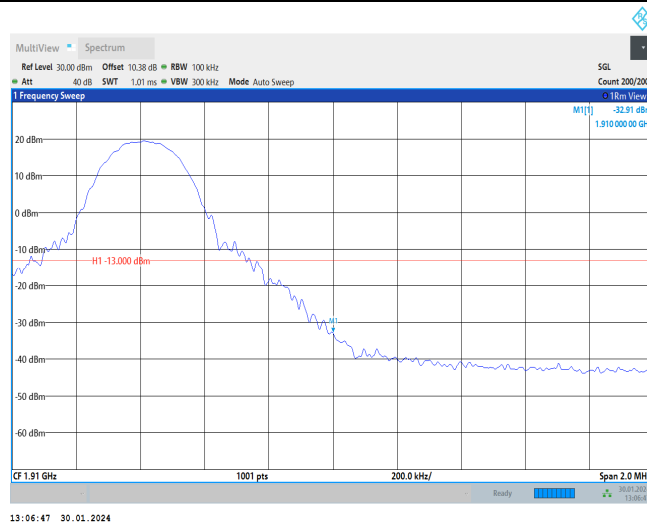
Band2-10MHz-QPSK-18650-1RB#0



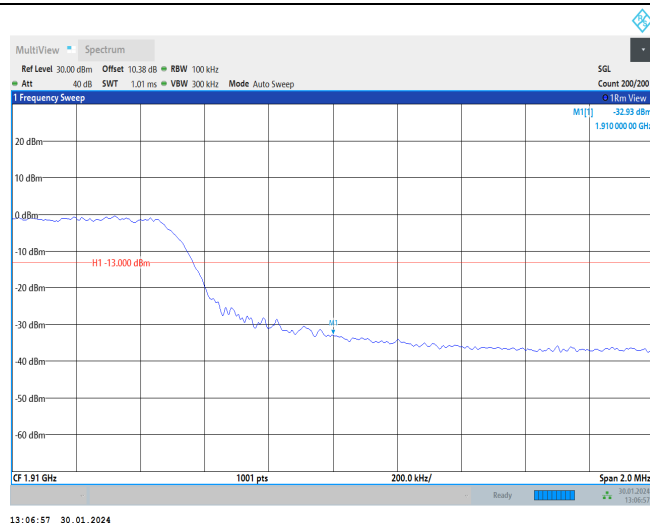
Band2-10MHz-QPSK-18650-50RB#0



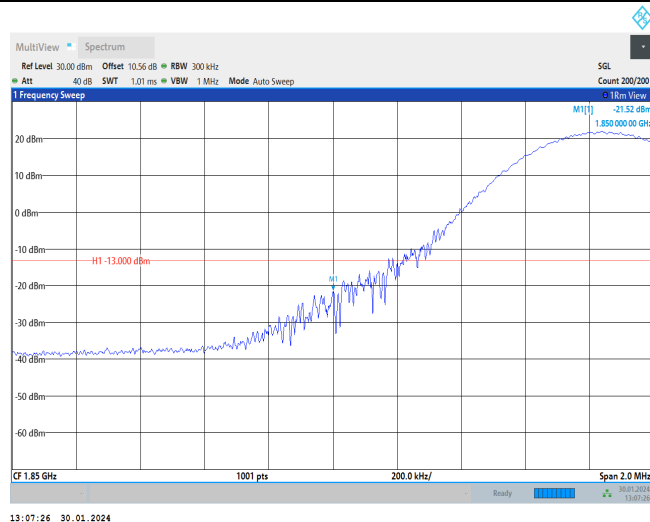
Band2-10MHz-QPSK-19150-1RB#49



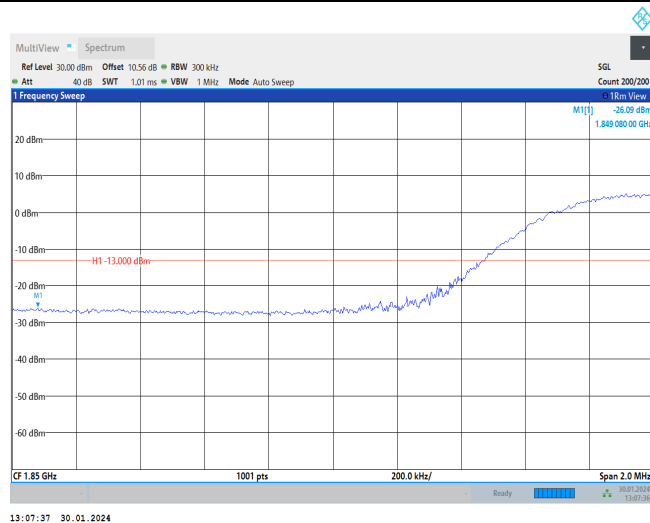
Band2-10MHz-QPSK-19150-50RB#0



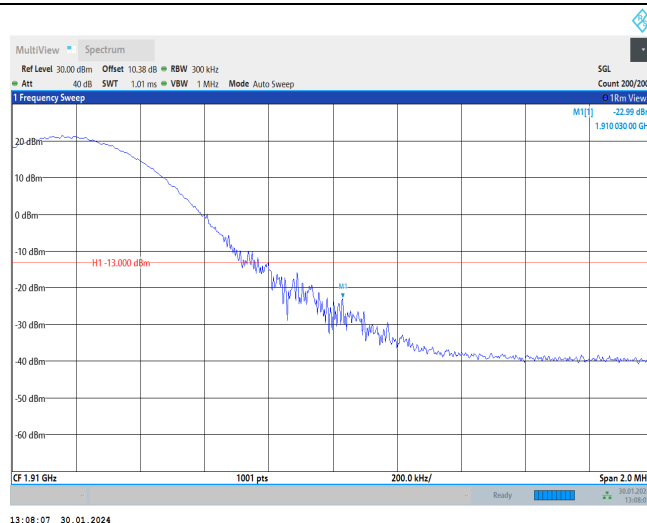
Band2-15MHz-QPSK-18675-1RB#0



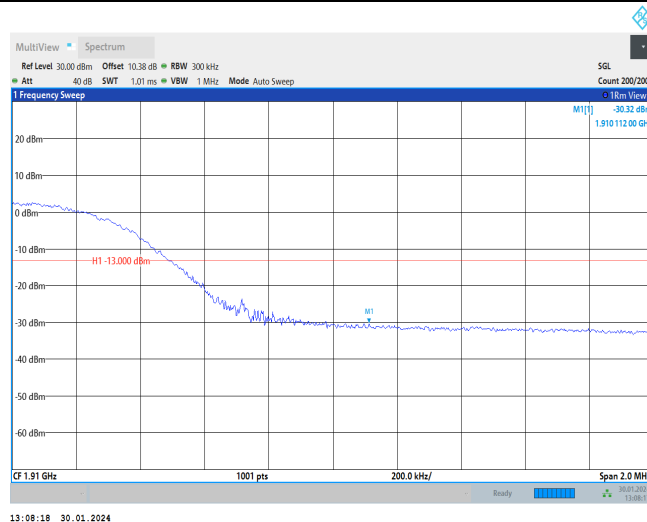
Band2-15MHz-QPSK-18675-75RB#0



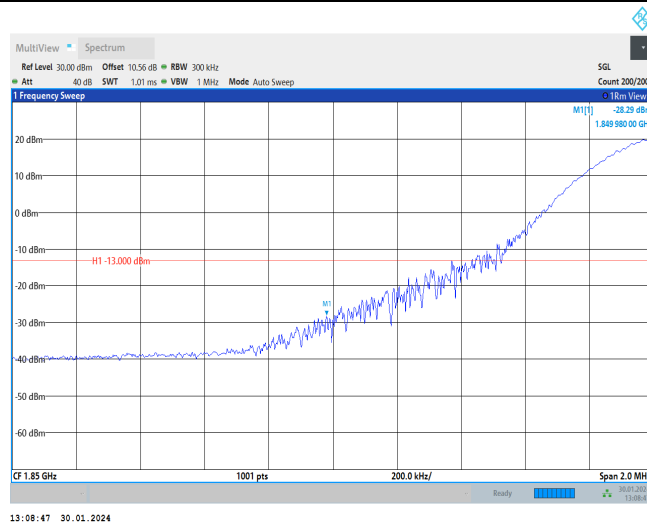
Band2-15MHz-QPSK-19125-1RB#74



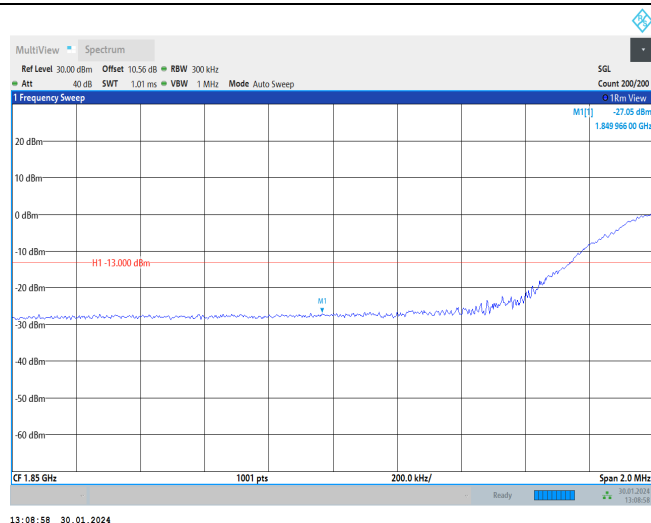
Band2-15MHz-QPSK-19125-75RB#0



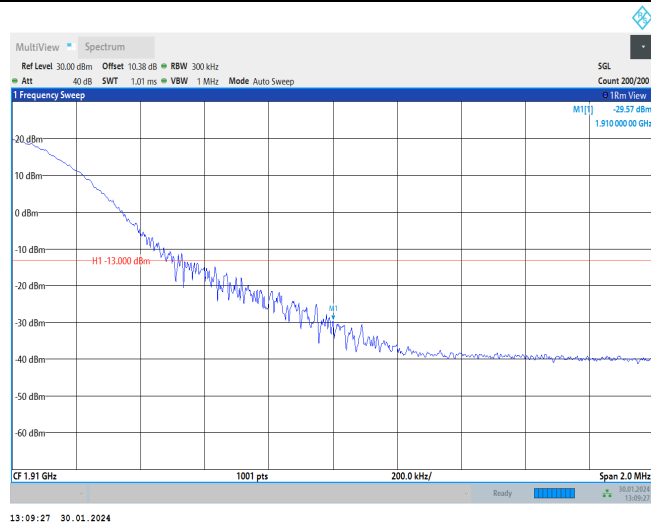
Band2-20MHz-QPSK-18700-1RB#0



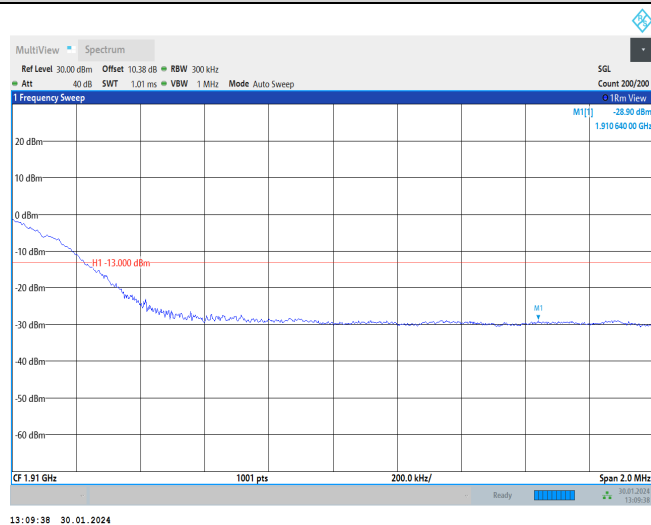
Band2-20MHz-QPSK-18700-100RB#0



Band2-20MHz-QPSK-19100-1RB#99



Band2-20MHz-QPSK-19100-100RB#0



## APPENDIX E.5: CONDUCTED SPURIOUS EMISSIONS

### Test Result

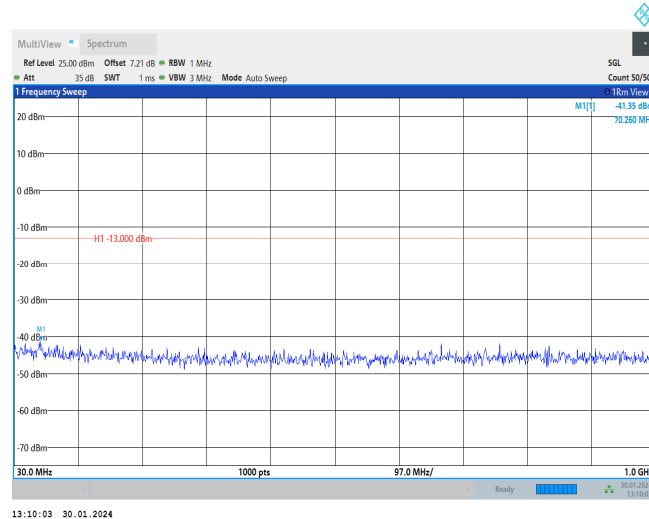
General:

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range      | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band2 | 20MHz     | QPSK       | 18700   | 1RB#0            | Range1:30~1000MHz    | -41.35       | PASS    |
| Band2 | 20MHz     | QPSK       | 18700   | 1RB#0            | Range2:1000~2000MHz  | -38.84       | PASS    |
| Band2 | 20MHz     | QPSK       | 18700   | 1RB#0            | Range3:2000~20000MHz | -49.51       | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 1RB#0            | Range1:30~1000MHz    | -41.06       | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 1RB#0            | Range2:1000~2000MHz  | -39.26       | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 1RB#0            | Range3:2000~20000MHz | -50.22       | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 1RB#0            | Range1:30~1000MHz    | -40.84       | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 1RB#0            | Range2:1000~2000MHz  | -39.24       | PASS    |
| Band2 | 20MHz     | QPSK       | 19100   | 1RB#0            | Range3:2000~20000MHz | -49.43       | PASS    |

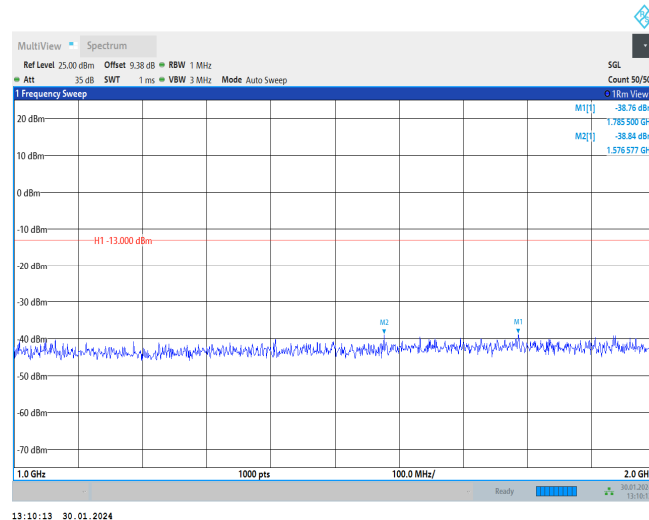
## Test Graphs

General:

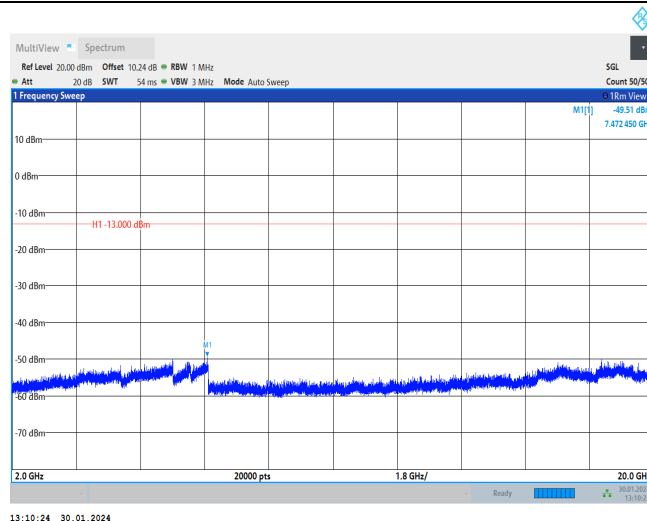
Band2-20MHz-QPSK-18700-1RB#0-Range1:30~1000MHz



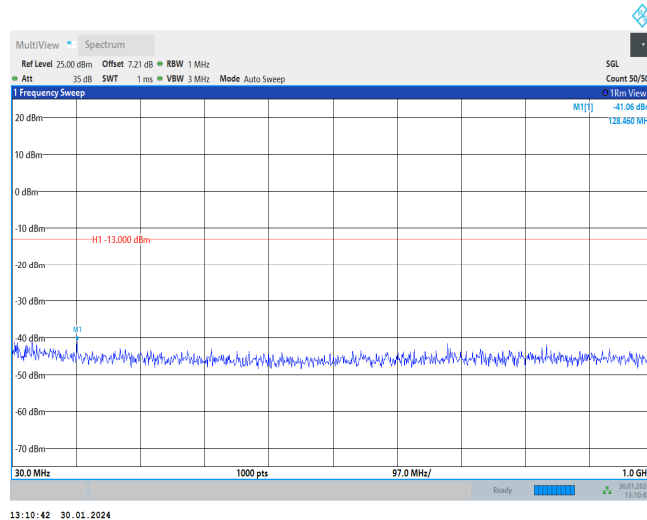
Band2-20MHz-QPSK-18700-1RB#0-Range2:1000~2000MHz



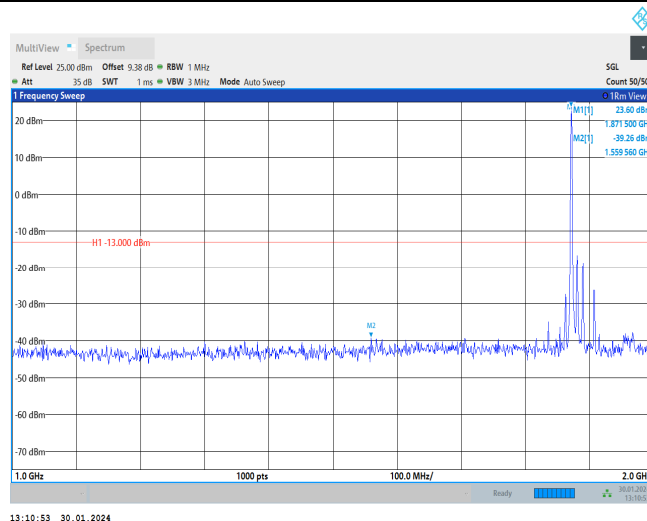
Band2-20MHz-QPSK-18700-1RB#0-Range3:2000~20000MHz



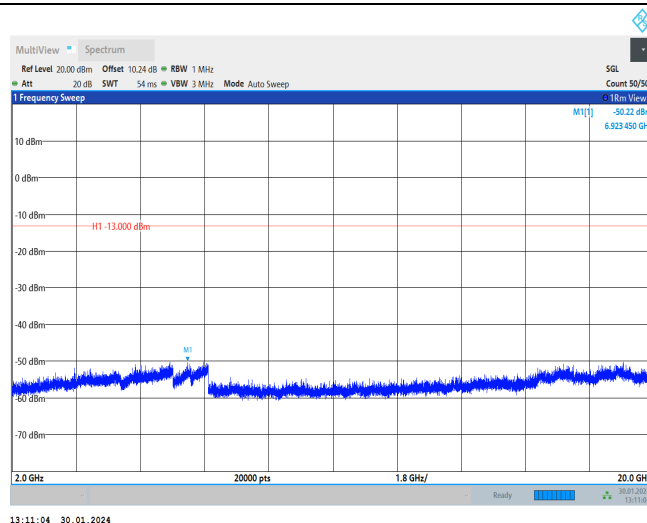
Band2-20MHz-QPSK-18900-1RB#0-Range1:30~1000MHz



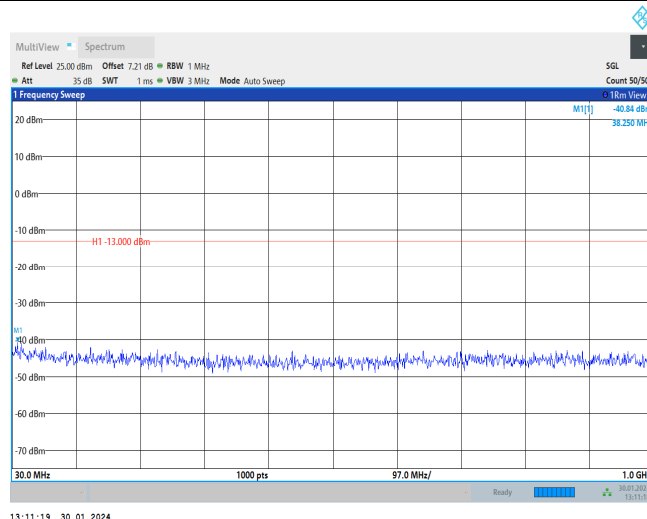
Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~2000MHz



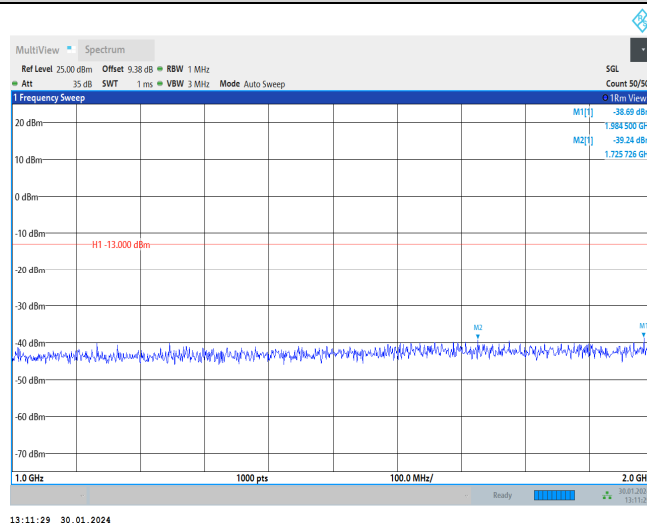
Band2-20MHz-QPSK-18900-1RB#0-Range3:2000~20000MHz



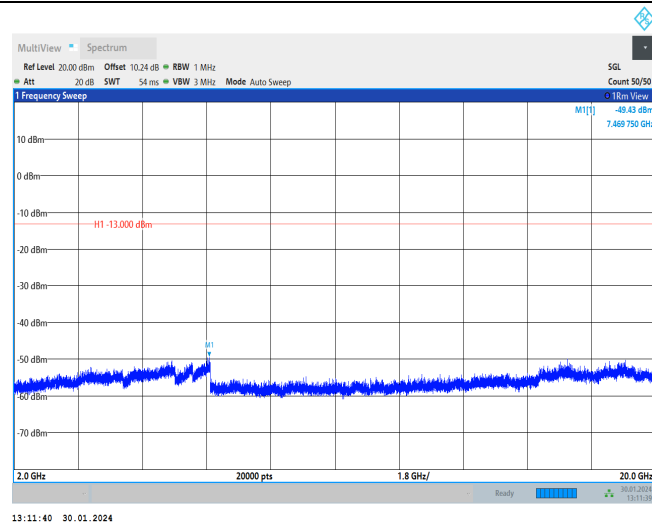
Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz



Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~2000MHz



Band2-20MHz-QPSK-19100-1RB#0-Range3:2000~20000MHz



## APPENDIX E.6: FREQUENCY STABILITY

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band2   | 20MHz     | QPSK       | 18700   | 100RB#0      | VL            | NT               | -2.78          | -0.001495       | ±2.5        | PASS    |
| Band2   | 20MHz     | QPSK       | 18700   | 100RB#0      | VN            | NT               | 4.09           | 0.002199        | ±2.5        | PASS    |
| Band2   | 20MHz     | QPSK       | 18700   | 100RB#0      | VH            | NT               | 3.69           | 0.001984        | ±2.5        | PASS    |
| Band2   | 20MHz     | QPSK       | 18900   | 100RB#0      | VL            | NT               | -7.52          | -0.004000       | ±2.5        | PASS    |
| Band2   | 20MHz     | QPSK       | 18900   | 100RB#0      | VN            | NT               | -3.28          | -0.001745       | ±2.5        | PASS    |
| Band2   | 20MHz     | QPSK       | 18900   | 100RB#0      | VH            | NT               | -5.64          | -0.003000       | ±2.5        | PASS    |
| Band2   | 20MHz     | QPSK       | 19100   | 100RB#0      | VL            | NT               | -6.38          | -0.003358       | ±2.5        | PASS    |
| Band2   | 20MHz     | QPSK       | 19100   | 100RB#0      | VN            | NT               | -4.43          | -0.002332       | ±2.5        | PASS    |
| Band2   | 20MHz     | QPSK       | 19100   | 100RB#0      | VH            | NT               | -5.25          | -0.002763       | ±2.5        | PASS    |

| Temperature |           |            |         |              |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band2       | 20MHz     | QPSK       | 18700   | 100RB#0      | NV            | -30              | -3.55          | -0.001909       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18700   | 100RB#0      | NV            | -20              | -2.75          | -0.001478       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18700   | 100RB#0      | NV            | 0                | 3.38           | 0.001817        | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18700   | 100RB#0      | NV            | 10               | 3.62           | 0.001946        | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18700   | 100RB#0      | NV            | 20               | 3.81           | 0.002048        | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18700   | 100RB#0      | NV            | 30               | 3.22           | 0.001731        | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18700   | 100RB#0      | NV            | 40               | 2.56           | 0.001376        | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18700   | 100RB#0      | NV            | 50               | 3.03           | 0.001629        | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18700   | 100RB#0      | NV            | 60               | -2.85          | -0.001532       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18700   | 100RB#0      | NV            | 70               | -3.81          | -0.002048       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | -30              | -8.33          | -0.004431       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | -20              | -6.90          | -0.003670       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 0                | -6.31          | -0.003356       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 10               | -5.97          | -0.003176       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 20               | -6.84          | -0.003638       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 30               | -7.65          | -0.004069       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 40               | -5.74          | -0.003053       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 50               | -8.05          | -0.004282       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 60               | -3.76          | -0.002000       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 18900   | 100RB#0      | NV            | 70               | -7.17          | -0.003814       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 19100   | 100RB#0      | NV            | -30              | -6.12          | -0.003221       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 19100   | 100RB#0      | NV            | -20              | -5.09          | -0.002679       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 19100   | 100RB#0      | NV            | 0                | -8.47          | -0.004458       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 19100   | 100RB#0      | NV            | 10               | -5.05          | -0.002658       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 19100   | 100RB#0      | NV            | 20               | -7.42          | -0.003905       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 19100   | 100RB#0      | NV            | 30               | -6.51          | -0.003426       | ±2.5        | PASS    |
| Band2       | 20MHz     | QPSK       | 19100   | 100RB#0      | NV            | 40               | -6.07          | -0.003195       | ±2.5        | PASS    |

|       |       |      |       |         |    |    |       |           |      |      |
|-------|-------|------|-------|---------|----|----|-------|-----------|------|------|
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 50 | -5.38 | -0.002832 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 60 | -4.39 | -0.002311 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 70 | -4.58 | -0.002411 | ±2.5 | PASS |