

Appendix F: Test Results of Band 25 for NB-IoT operation

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Appendix F.1: RF Power Output and Effective (Isotropic) Radiated Power Output Data for NB

Test Result

| Band | OpMode | Bandwidth | Modulation | Channel | Tones | SCS | Result | | | Limit (watts) | Verdict |
|--------|-------------|-----------|------------|---------|-------|---------|--------|-------|-------|---------------|---------|
| | | | | | | | dBm | dBm | Watts | | |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 3@3 | 15kHz | 12.35 | 14.49 | 0.028 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@11 | 15kHz | 12.34 | 14.48 | 0.028 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@0 | 15kHz | 12.41 | 14.55 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@47 | 3.75kHz | 12.56 | 14.7 | 0.030 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@0 | 3.75kHz | 12.57 | 14.71 | 0.030 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | 21.24 | 23.38 | 0.218 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | 21.42 | 23.56 | 0.227 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | 21.05 | 23.19 | 0.208 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | 21.52 | 23.66 | 0.232 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 3@3 | 15kHz | 21.39 | 23.53 | 0.225 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@0 | 3.75kHz | 12.45 | 14.59 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@47 | 3.75kHz | 12.42 | 14.56 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@11 | 15kHz | 11.83 | 13.97 | 0.025 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 3@3 | 15kHz | 12.11 | 14.25 | 0.027 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@0 | 15kHz | 12.41 | 14.55 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@47 | 3.75kHz | 12.53 | 14.67 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@11 | 15kHz | 12.41 | 14.55 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 3@3 | 15kHz | 12.33 | 14.47 | 0.028 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@0 | 15kHz | 12.49 | 14.63 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@0 | 3.75kHz | 12.6 | 14.74 | 0.030 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@47 | 3.75kHz | 21.22 | 23.36 | 0.217 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 3@3 | 15kHz | 21.31 | 23.45 | 0.221 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@0 | 3.75kHz | 21.18 | 23.32 | 0.215 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@11 | 15kHz | 21.37 | 23.51 | 0.224 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@0 | 15kHz | 21.47 | 23.61 | 0.230 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@0 | 15kHz | 12.13 | 14.27 | 0.027 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@0 | 3.75kHz | 12.44 | 14.58 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@11 | 15kHz | 11.99 | 14.13 | 0.026 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@47 | 3.75kHz | 12.45 | 14.59 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 3@3 | 15kHz | 11.91 | 14.05 | 0.025 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 3@3 | 15kHz | 12.35 | 14.49 | 0.028 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@11 | 15kHz | 12.34 | 14.48 | 0.028 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@0 | 15kHz | 12.41 | 14.55 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@47 | 3.75kHz | 12.56 | 14.7 | 0.030 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@0 | 3.75kHz | 12.57 | 14.71 | 0.030 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | 21.24 | 23.38 | 0.218 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | 21.42 | 23.56 | 0.227 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | 21.05 | 23.19 | 0.208 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | 21.52 | 23.66 | 0.232 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 3@3 | 15kHz | 21.39 | 23.53 | 0.225 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@0 | 3.75kHz | 12.45 | 14.59 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@47 | 3.75kHz | 12.42 | 14.56 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@11 | 15kHz | 11.83 | 13.97 | 0.025 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 3@3 | 15kHz | 12.11 | 14.25 | 0.027 | 2 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@0 | 15kHz | 12.41 | 14.55 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@47 | 3.75kHz | 12.53 | 14.67 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@11 | 15kHz | 12.41 | 14.55 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 3@3 | 15kHz | 12.33 | 14.47 | 0.028 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@0 | 15kHz | 12.49 | 14.63 | 0.029 | 2 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@0 | 3.75kHz | 12.6 | 14.74 | 0.030 | 2 | PASS |

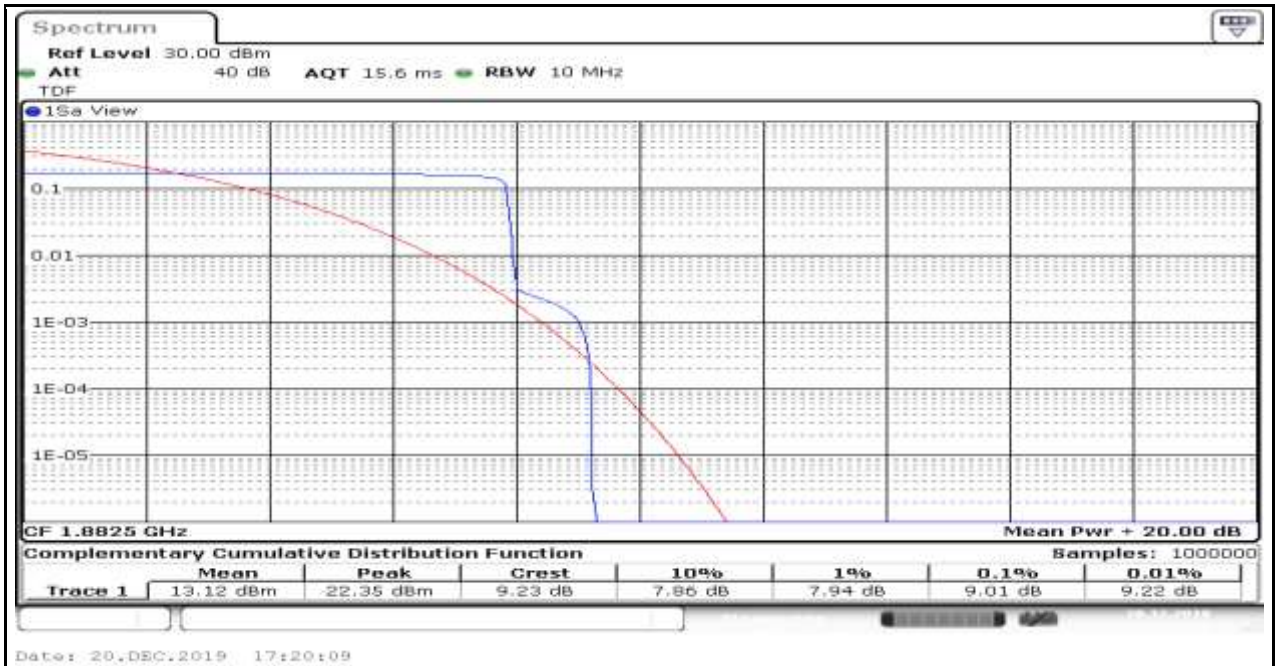
Appendix F.2: Peak-to-Average Ratio(CCDF) for NB

Test Result

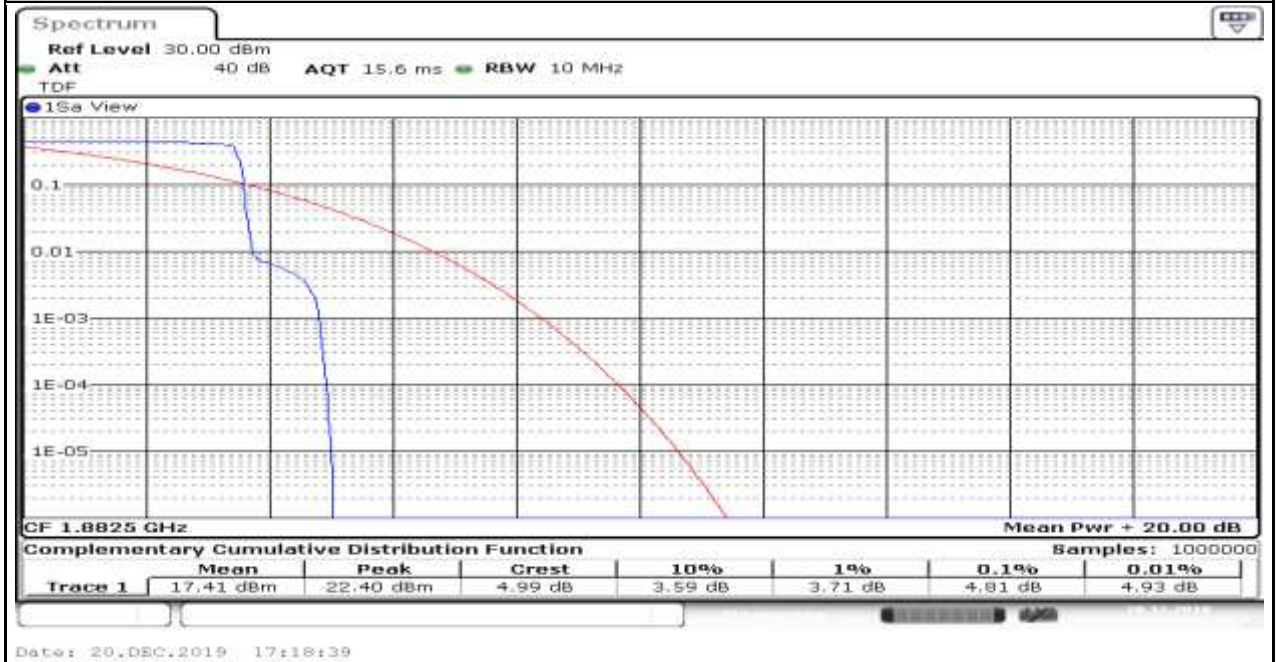
| Band | OpMode | Bandwidth | Modulation | Channel | Tones | SCS | Result (dB) | Limit (dB) | Verdict |
|--------|-------------|-----------|------------|---------|-------|---------|-------------|------------|---------|
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 3@3 | 15kHz | 10.9 | <=13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | 9.01 | <=13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | 4.81 | <=13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | 1.94 | <=13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | 1.71 | <=13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 3@3 | 15kHz | 9.54 | <=13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@11 | 15kHz | 3.62 | <=13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@0 | 15kHz | 1.48 | <=13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@47 | 3.75kHz | 5.01 | <=13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@0 | 3.75kHz | 1.97 | <=13 | PASS |

Test Graphs

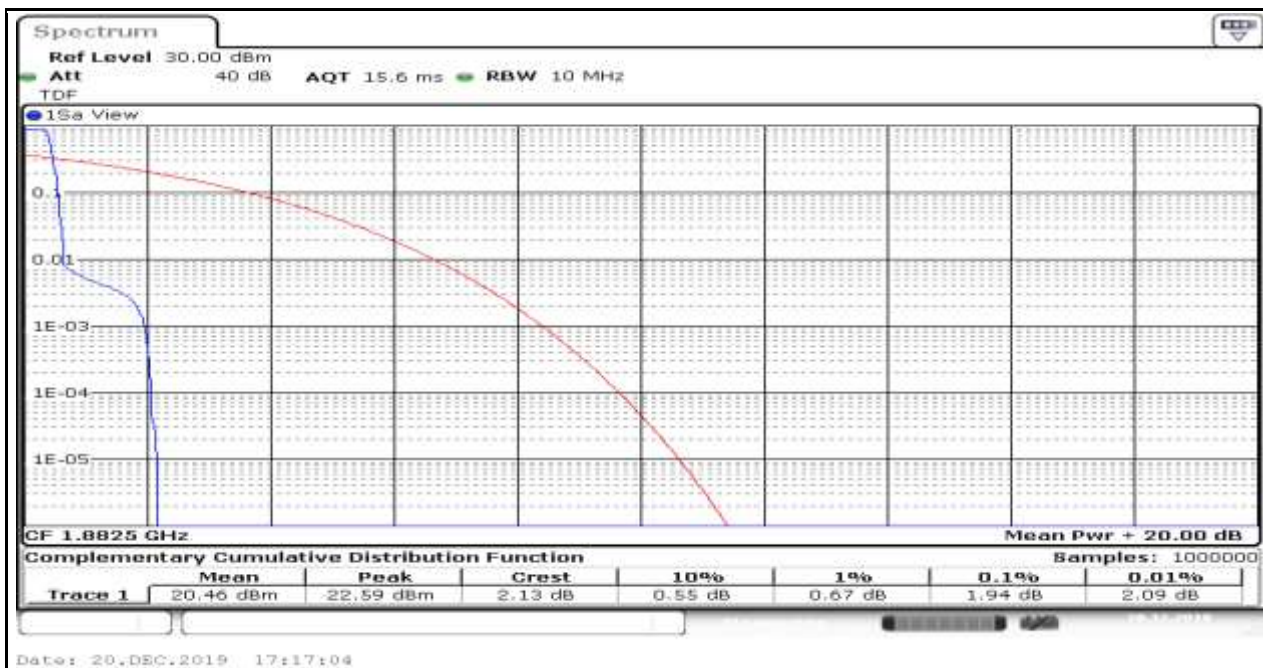




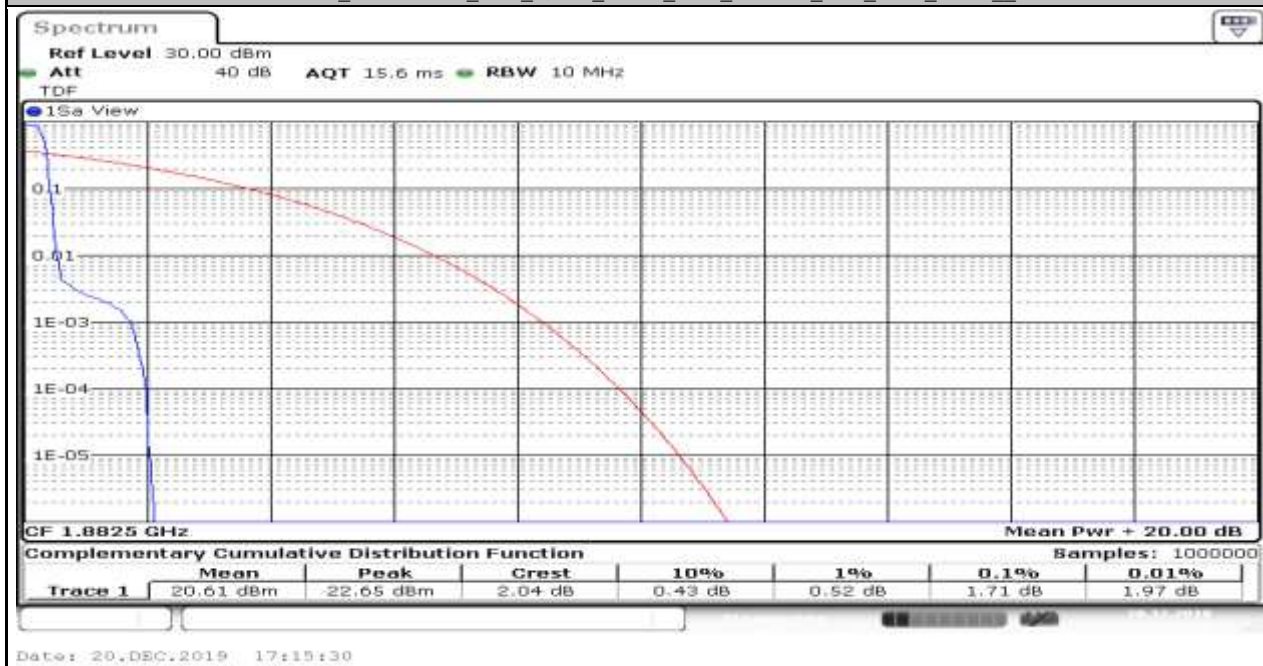
Band25_Stand-Alone_NaN_QPSK_26365_1@0_15kHz_4.81_<=13_PASS_



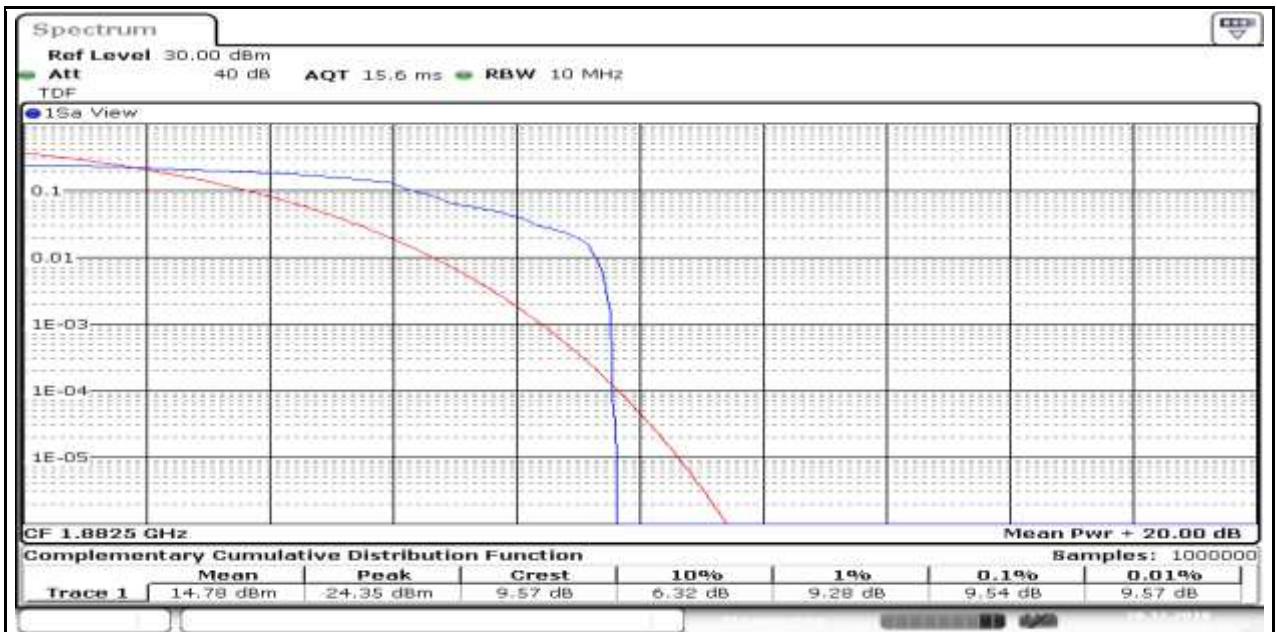
Band25_Stand-Alone_NaN_QPSK_26365_1@47_3.75kHz_1.94_<=13_PASS_



Band25_Stand-Alone_NaN_QPSK_26365_1@0_3.75kHz_1.71_<=13_PASS_



Band25_Stand-Alone_NaN_BPSK_26365_3@3_15kHz_9.54_<=13_PASS_



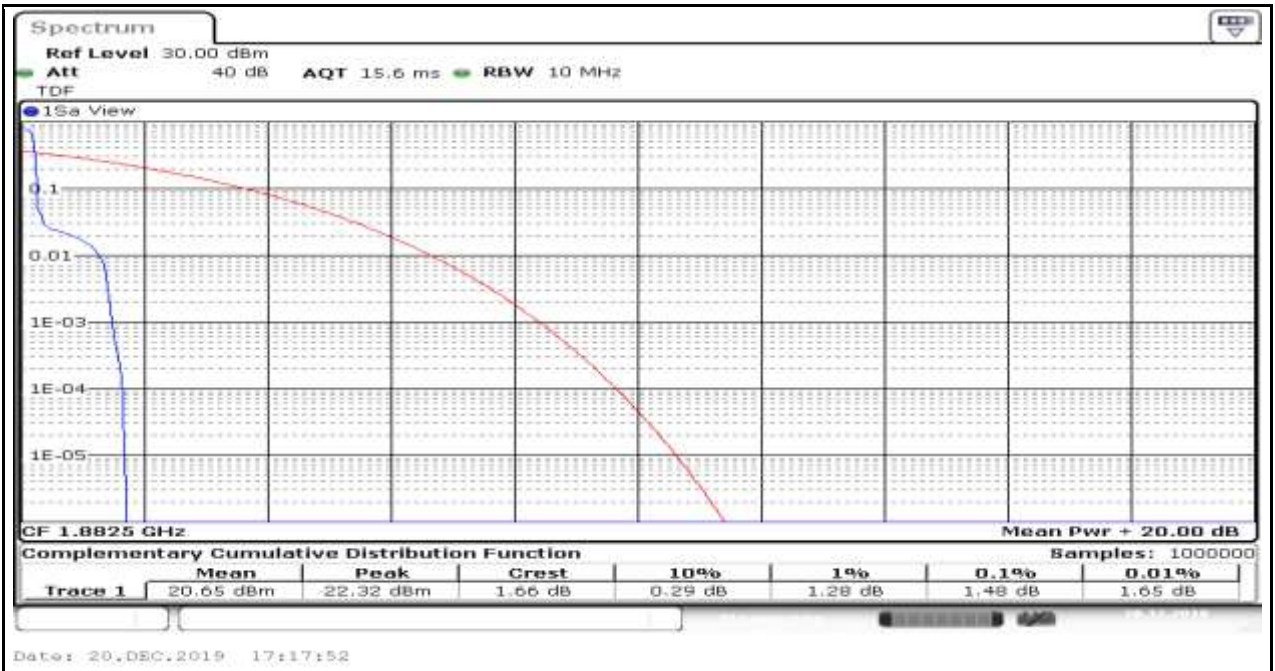
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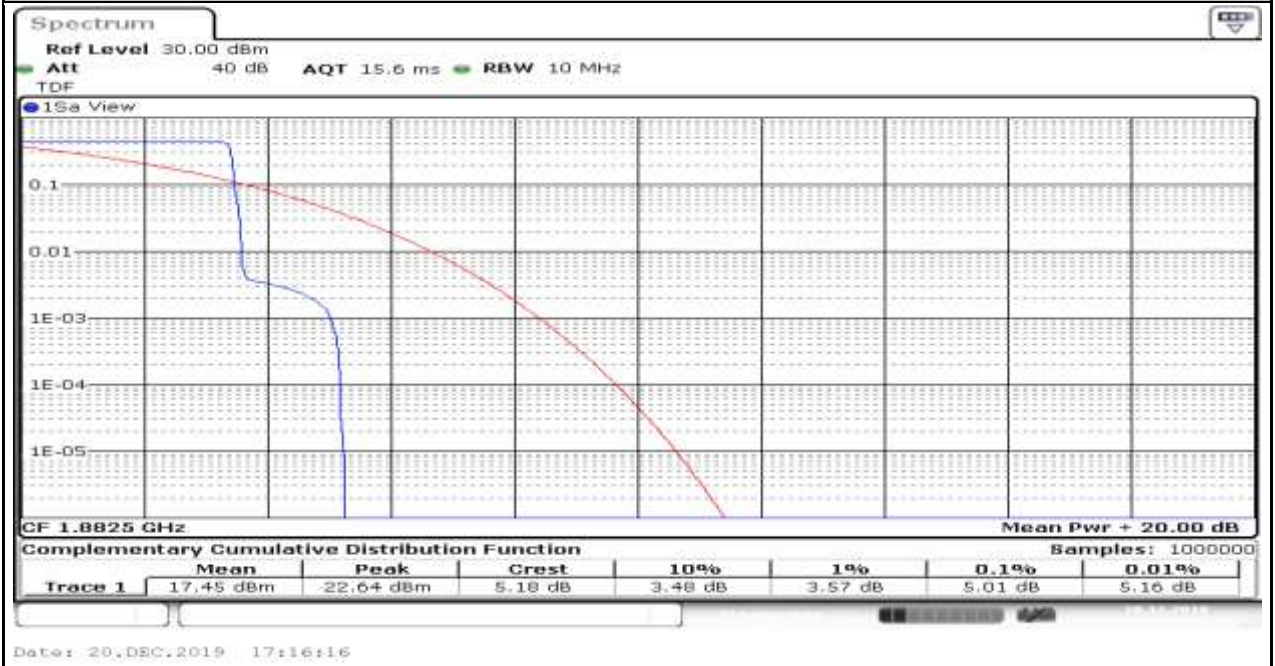


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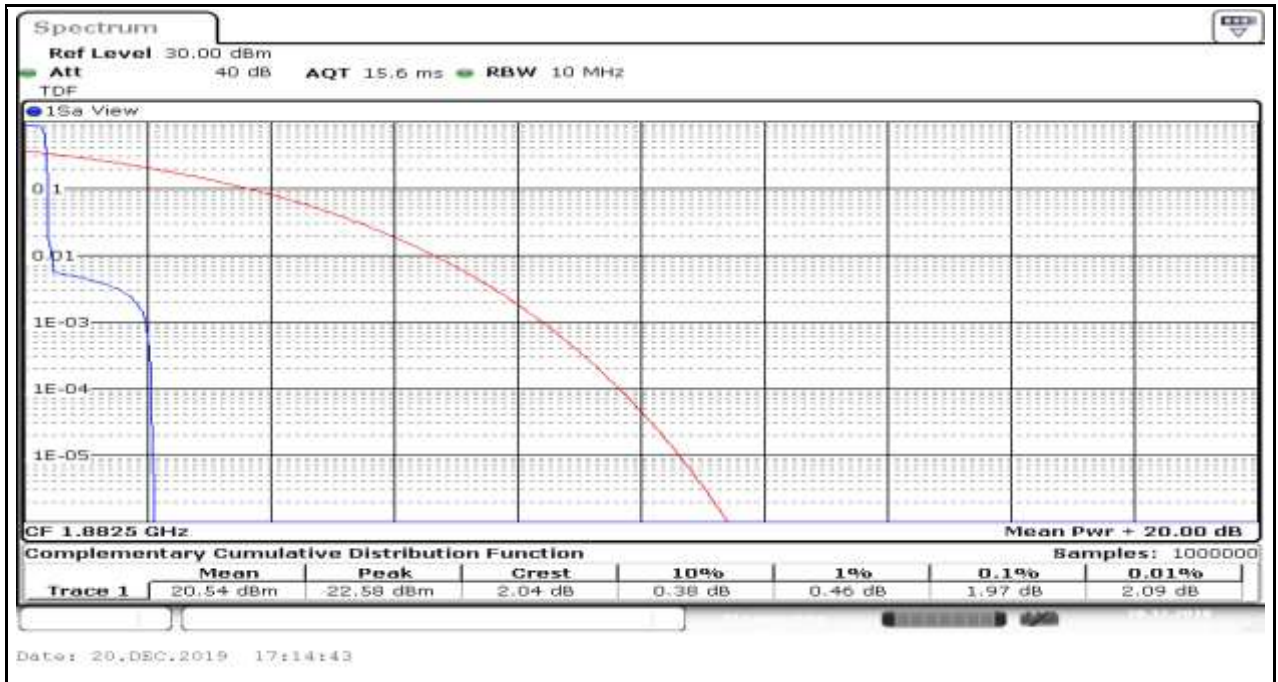


Band25_Stand-Alone_NaN_BPSK_26365_1@47_3.75kHz_5.01_<=13_PASS_



Band25_Stand-Alone_NaN_BPSK_26365_1@0_3.75kHz_1.97_<=13_PASS_

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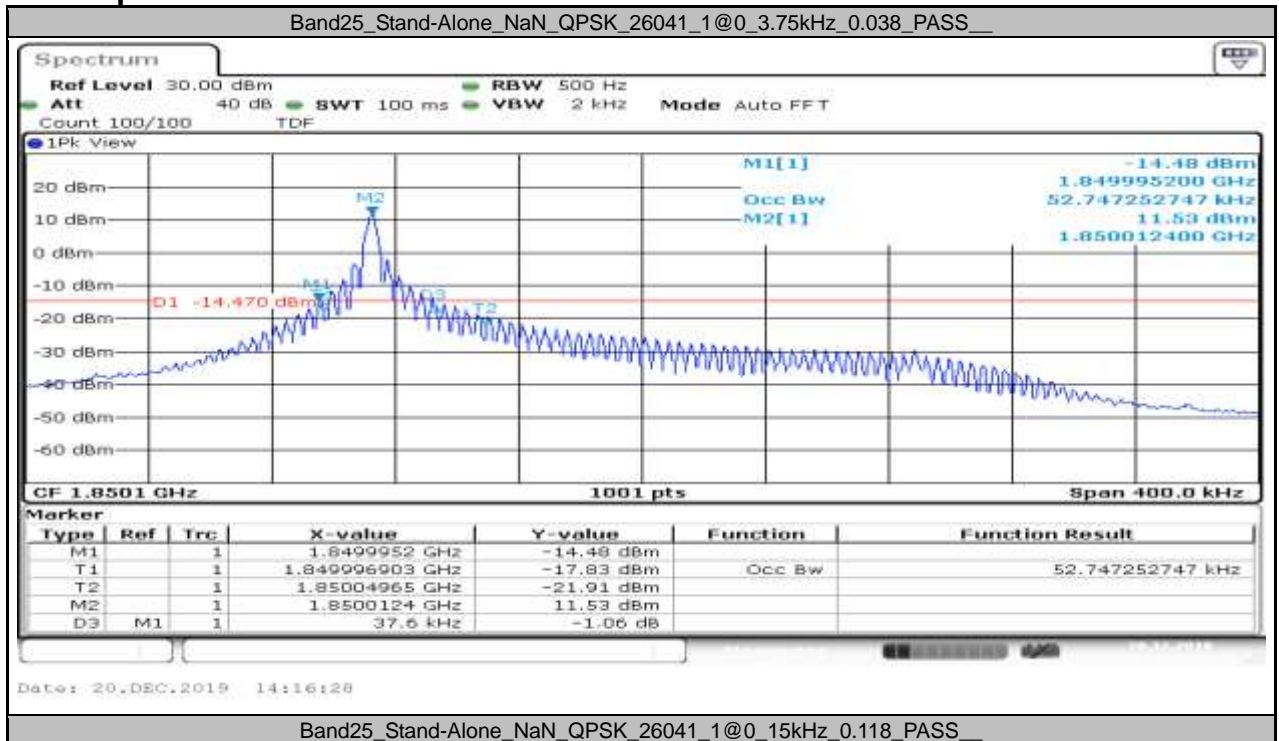


Appendix F.3: 26dB Emission Bandwidth and Occupied Bandwidth for NB

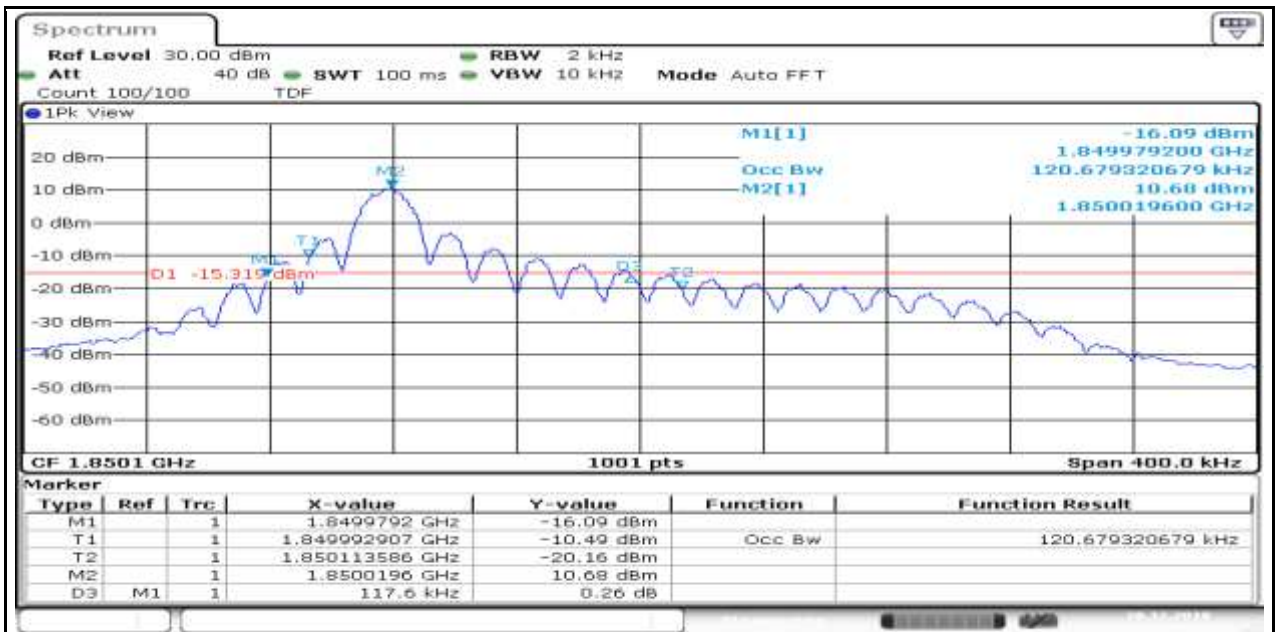
Test Result

| Band | OpMode | Bandwidth | Modulation | Channel | Tones | SCS | 26dB Bandwidth (MHz) | Occupied Bandwidth (MHz) | Verdict |
|--------|-------------|-----------|------------|---------|-------|---------|----------------------|--------------------------|---------|
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@0 | 3.75kHz | 0.038 | 0.053 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@0 | 15kHz | 0.118 | 0.121 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 12@0 | 15kHz | 0.251 | 0.185 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | 0.038 | 0.053 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | 0.117 | 0.119 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 12@0 | 15kHz | 0.251 | 0.185 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@0 | 3.75kHz | 0.037 | 0.056 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@0 | 15kHz | 0.118 | 0.121 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 12@0 | 15kHz | 0.251 | 0.185 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@0 | 3.75kHz | 0.032 | 0.057 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@0 | 15kHz | 0.106 | 0.129 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@0 | 3.75kHz | 0.032 | 0.057 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@0 | 15kHz | 0.106 | 0.128 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@0 | 3.75kHz | 0.032 | 0.063 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@0 | 15kHz | 0.106 | 0.130 | PASS |

Test Graphs

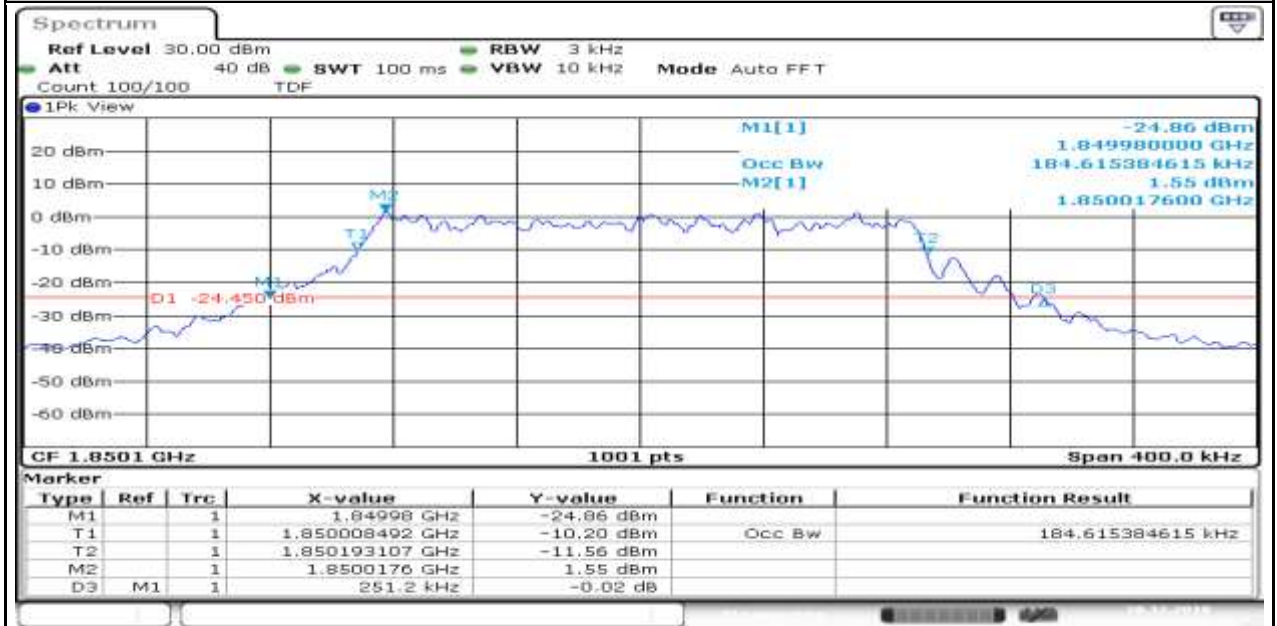


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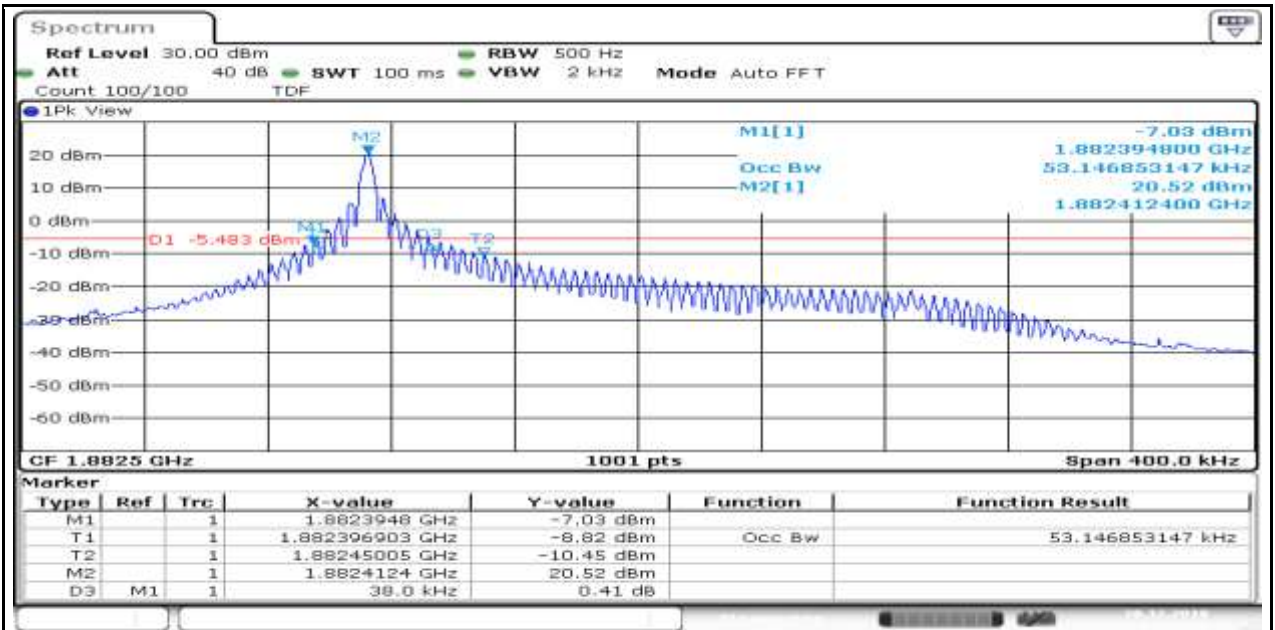
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Band25_Stand-Alone_NaN_QPSK_26041_12@0_15kHz_0.251_PASS_



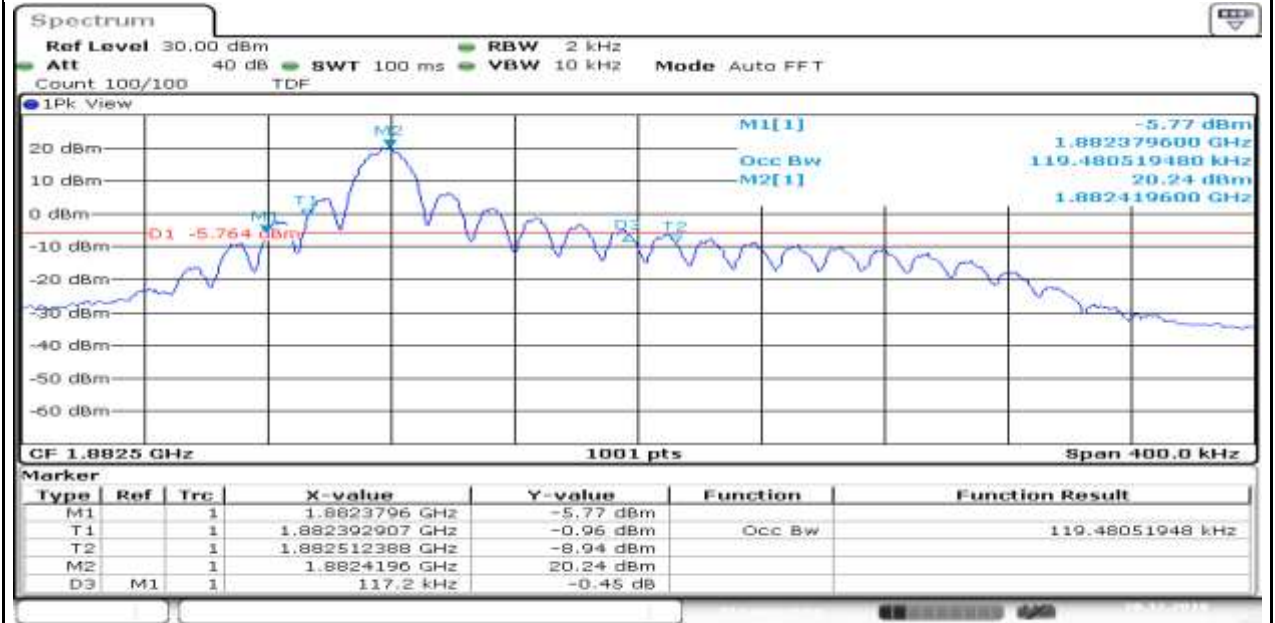
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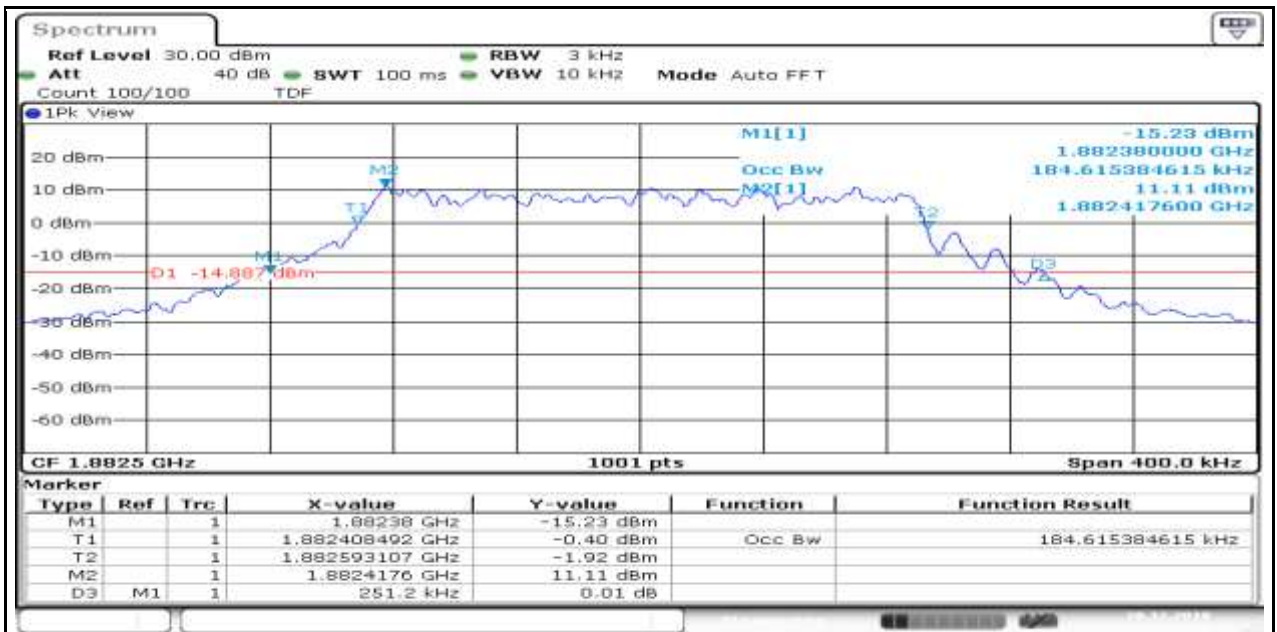
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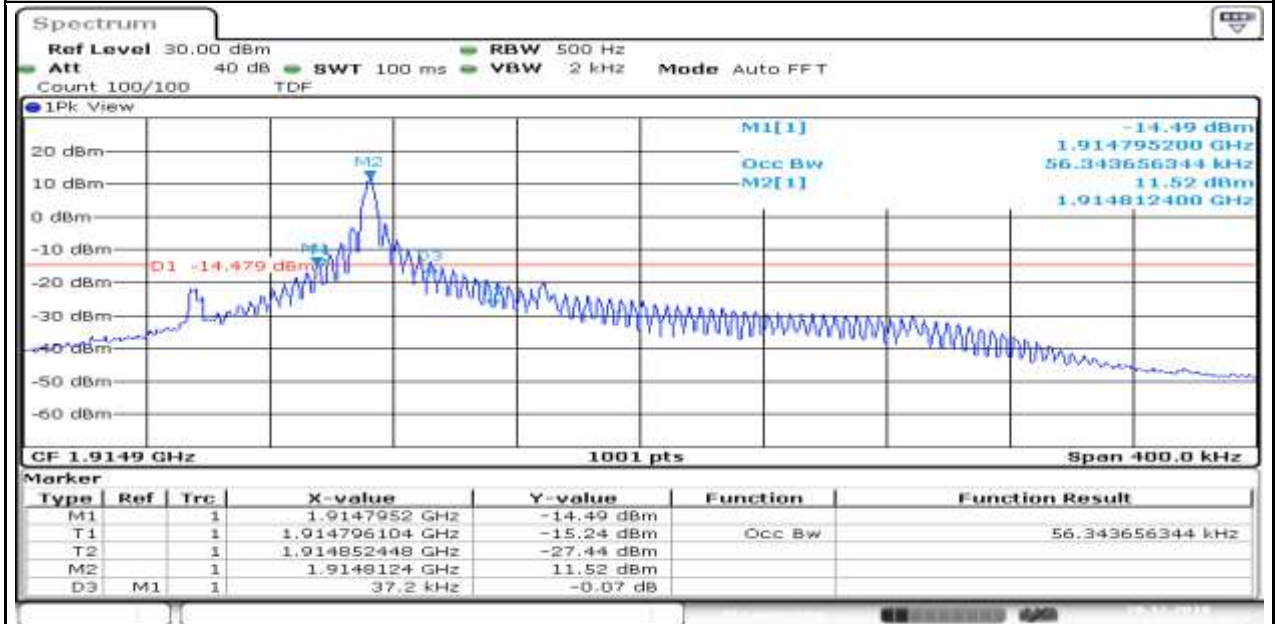
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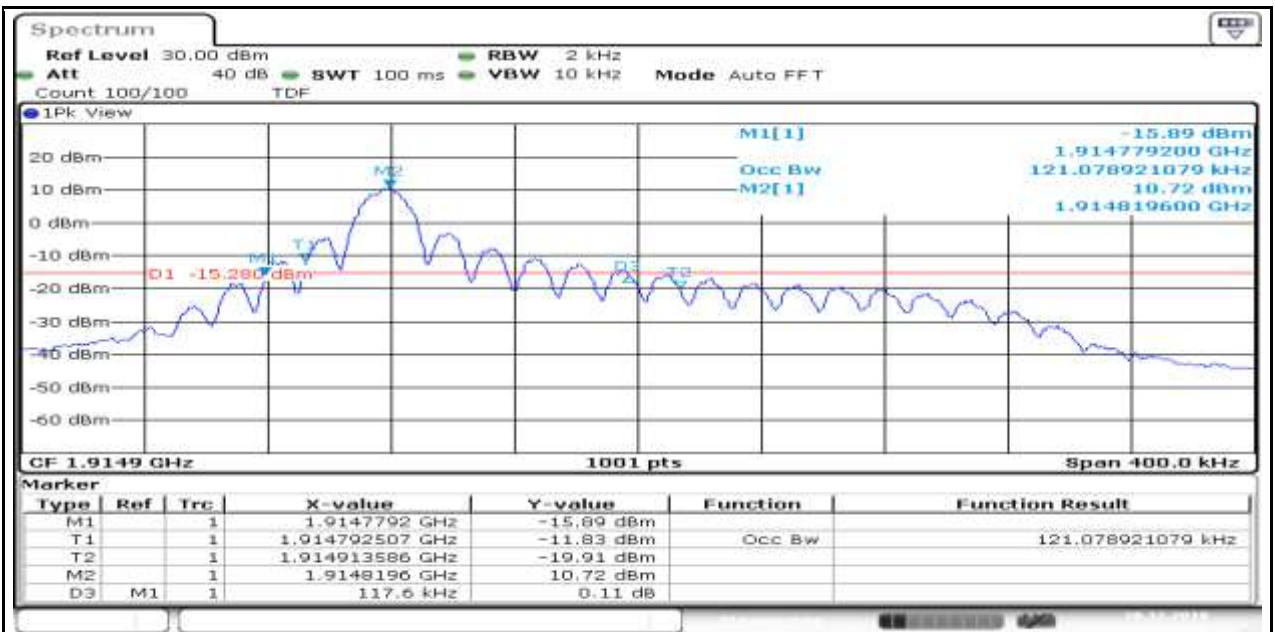
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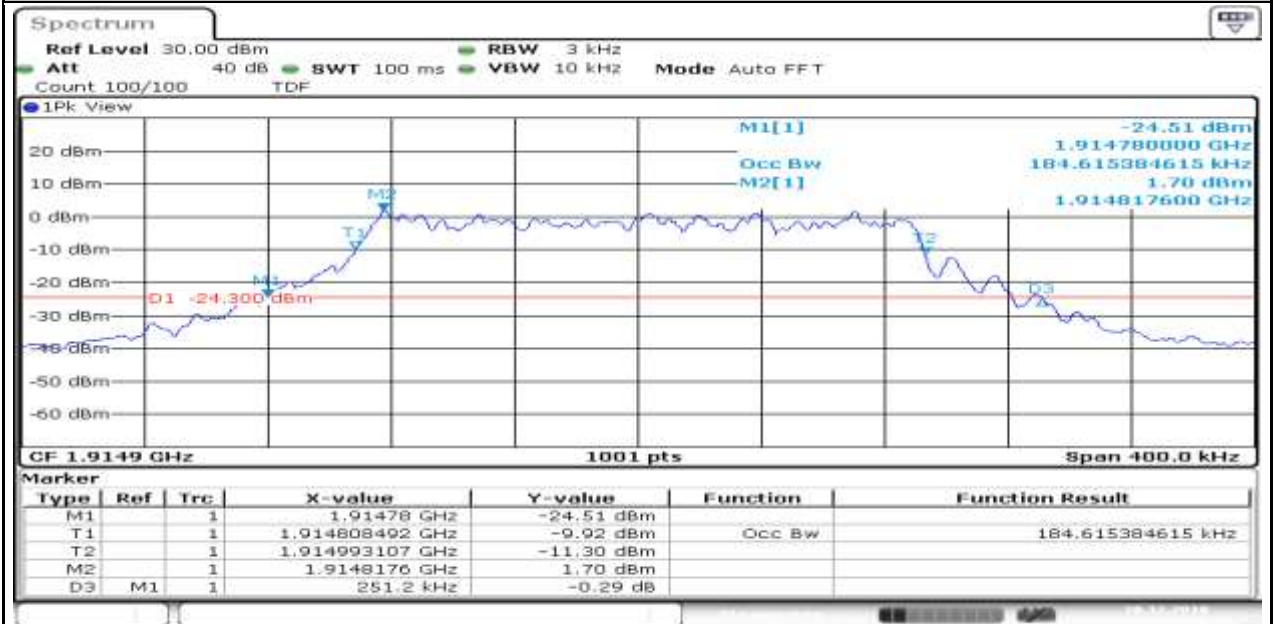
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Date: 20.DEC.2019 13:46:07

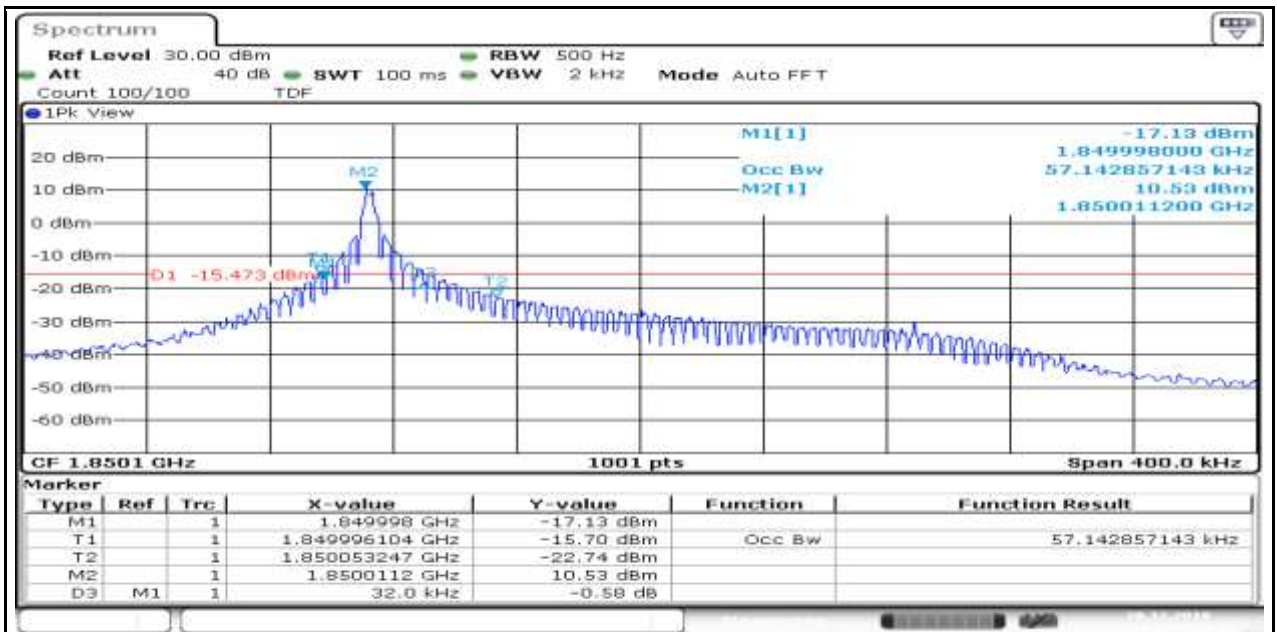
Band25_Stand-Alone_NaN_QPSK_26689_12@0_15kHz_0.251_PASS_



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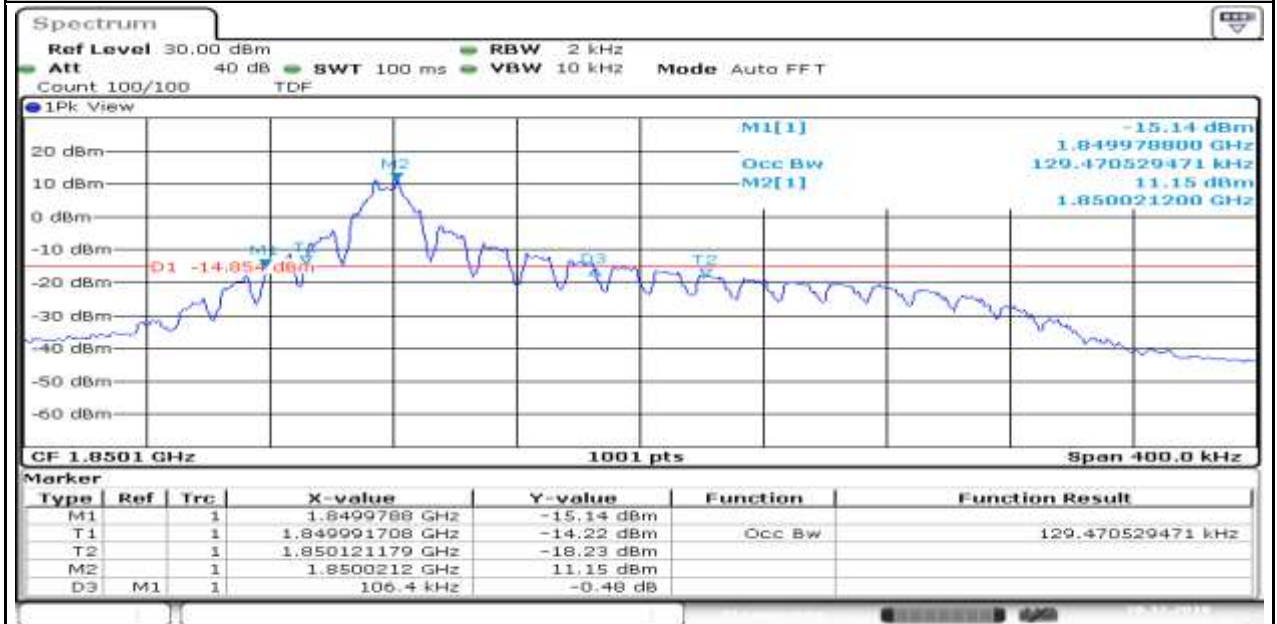
Band25_Stand-Alone_NaN_BPSK_26041_1@0_3.75kHz_0.032_PASS_

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Date: 20.DEC.2019 14:49:57

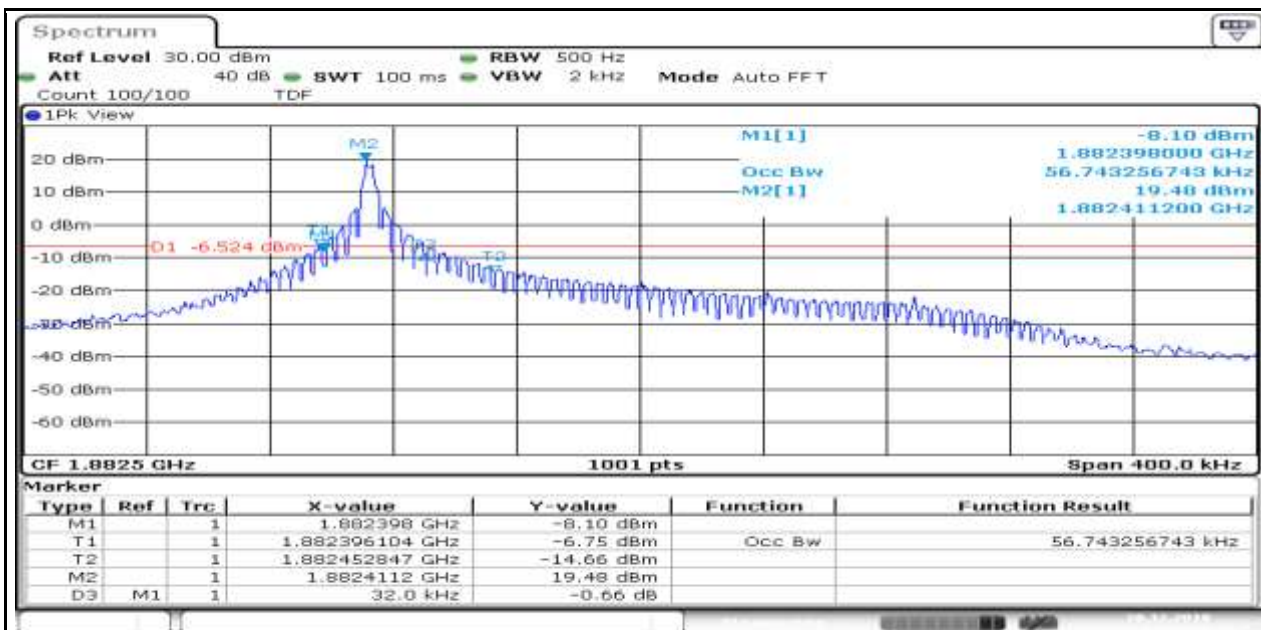
Band25_Stand-Alone_NaN_BPSK_26041_1@0_15kHz_0.106_PASS_



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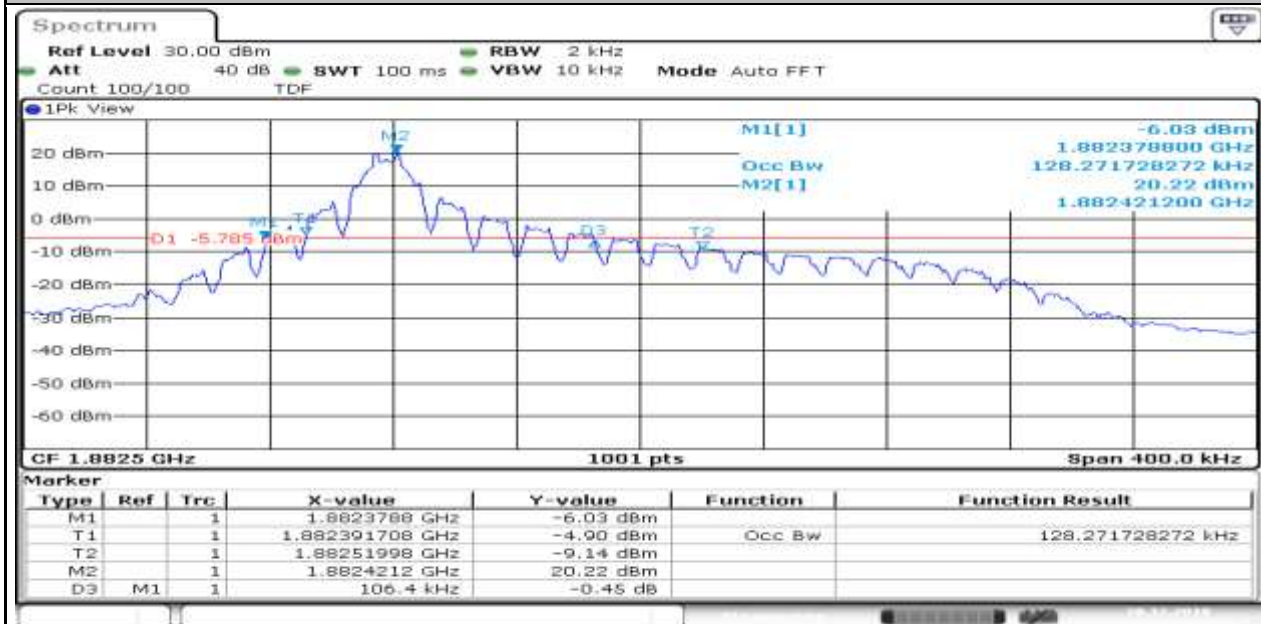
Band25_Stand-Alone_NaN_BPSK_26365_1@0_3.75kHz_0.032_PASS_

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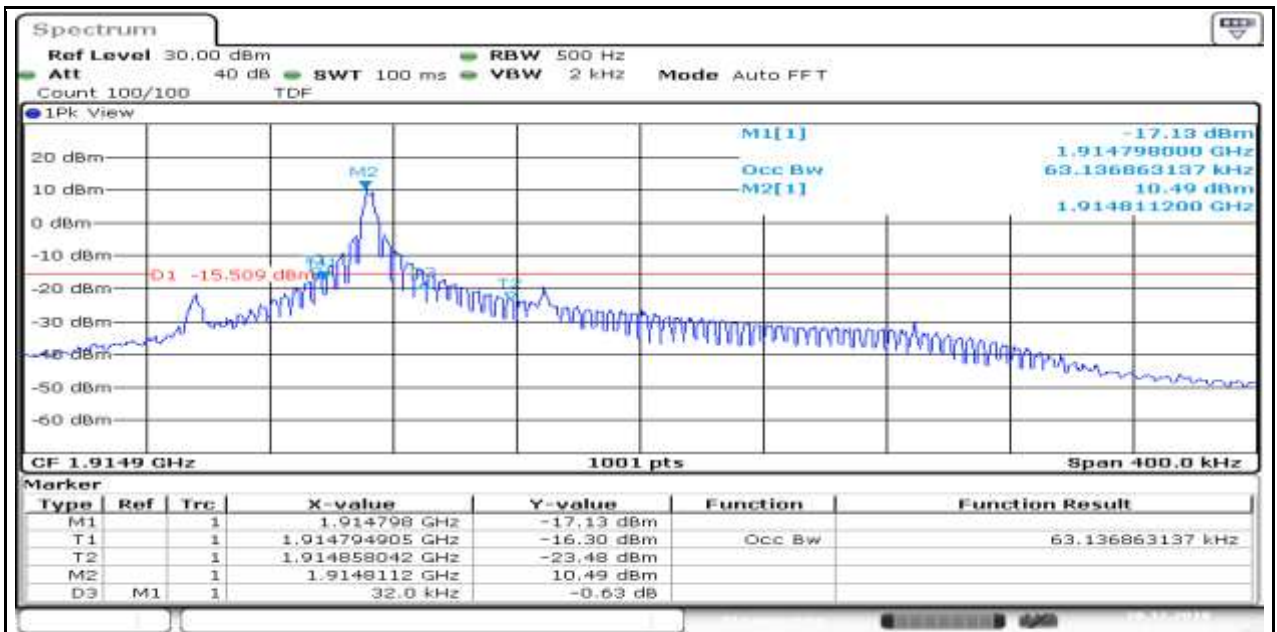
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Band25_Stand-Alone_NaN_BPSK_26365_1@0_15kHz_0.106_PASS_



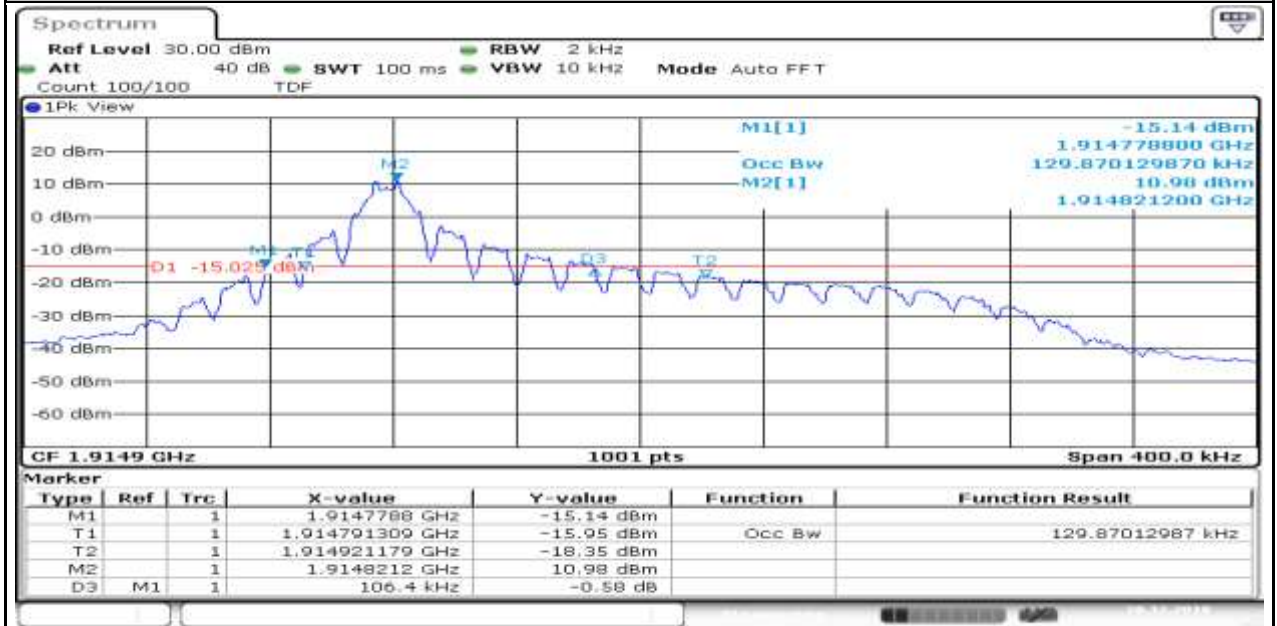
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Band25_Stand-Alone_NaN_BPSK_26689_1@0_3.75kHz_0.032_PASS_



Date: 20.DEC.2019 14:52:04

Band25_Stand-Alone_NaN_BPSK_26689_1@0_15kHz_0.106_PASS_



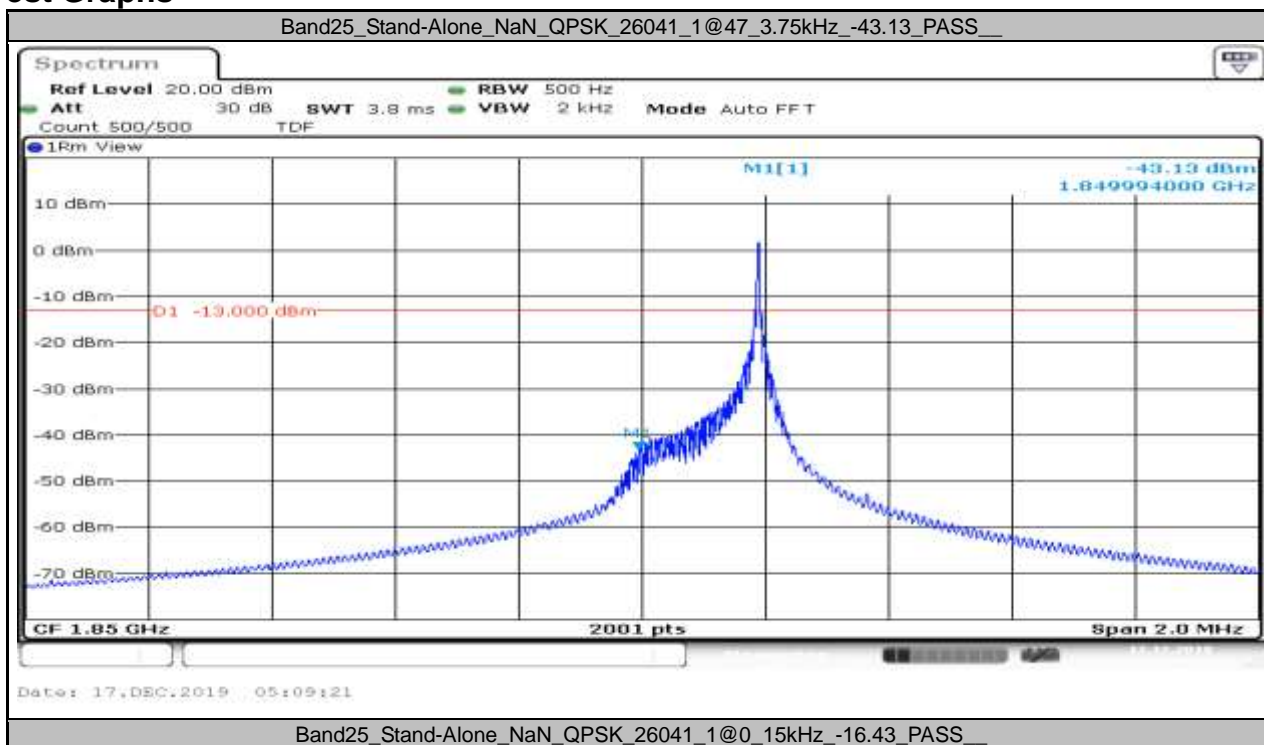
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Appendix F.4: Band Edge for NB

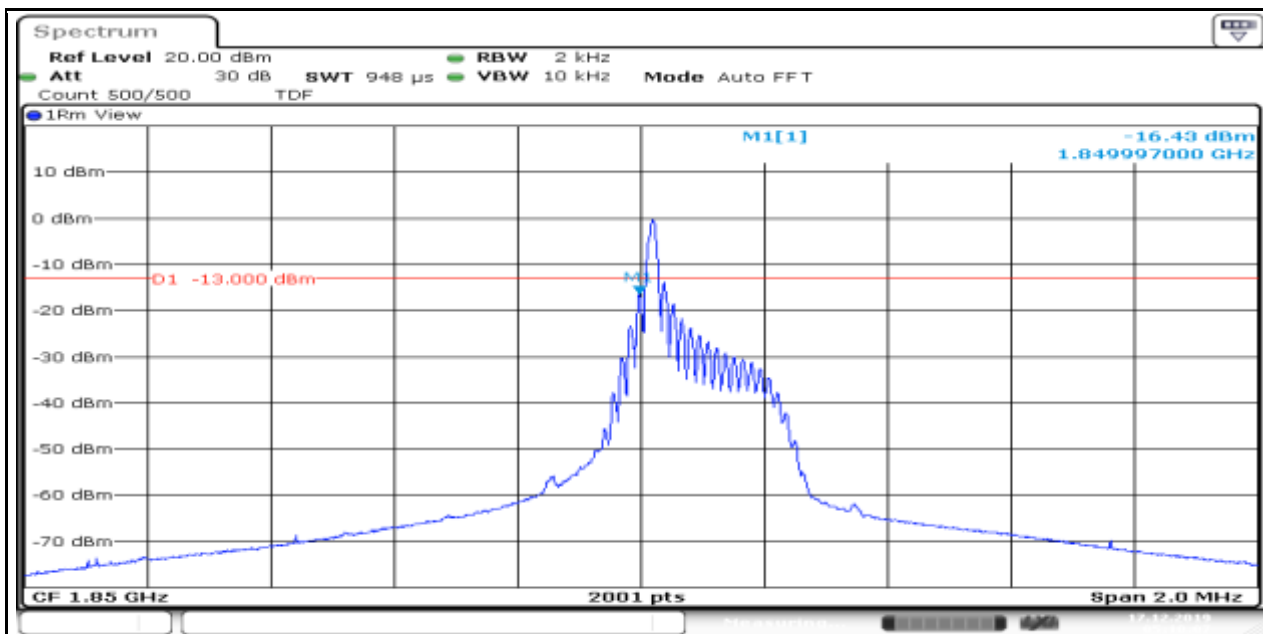
Test Result

| Band | OpMode | Bandwidth | Modulation | Channel | Tones | SCS | Result (dBm) | Verdict |
|--------|-------------|-----------|------------|---------|-------|---------|--------------|---------|
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@47 | 3.75kHz | -43.13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@0 | 15kHz | -16.43 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@11 | 15kHz | -34.28 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 12@0 | 15kHz | -32.62 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@0 | 3.75kHz | -21.83 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 12@0 | 15kHz | -29.55 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@0 | 3.75kHz | -42.17 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@47 | 3.75kHz | -20.65 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@11 | 15kHz | -15.05 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@0 | 15kHz | -34.00 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@0 | 3.75kHz | -20.13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@47 | 3.75kHz | -41.85 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@0 | 15kHz | -14.15 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@11 | 15kHz | -32.86 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@11 | 15kHz | -14.29 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@0 | 3.75kHz | -41.27 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@47 | 3.75kHz | -19.97 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@0 | 15kHz | -33.15 | PASS |

Test Graphs

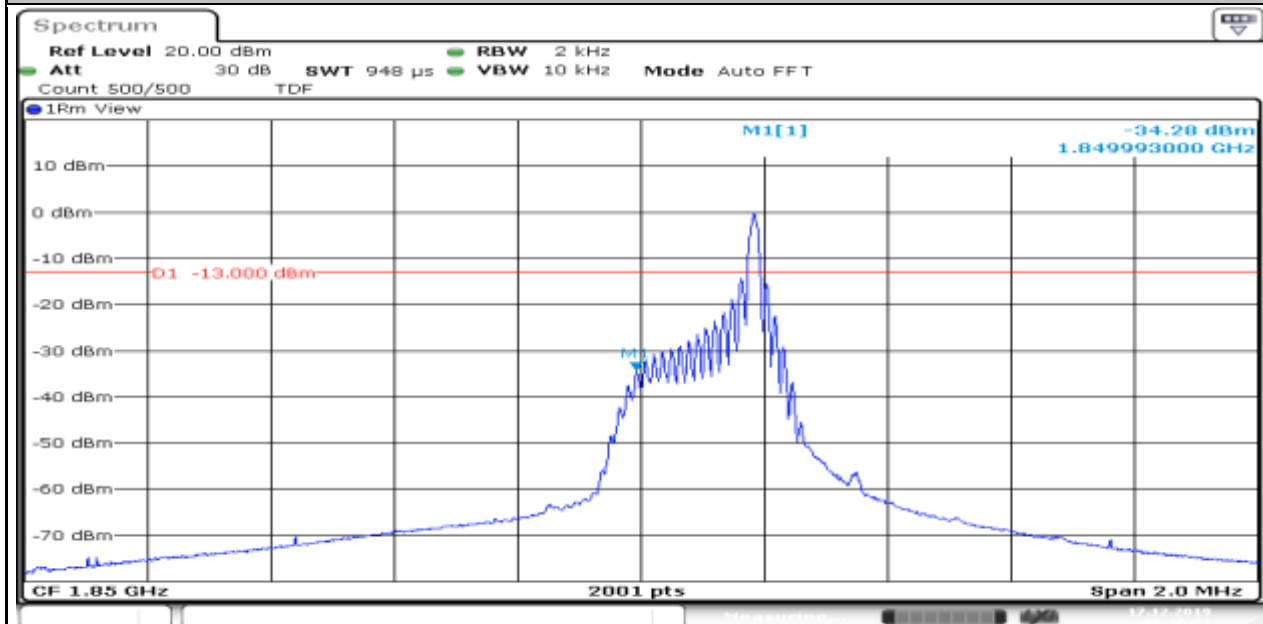


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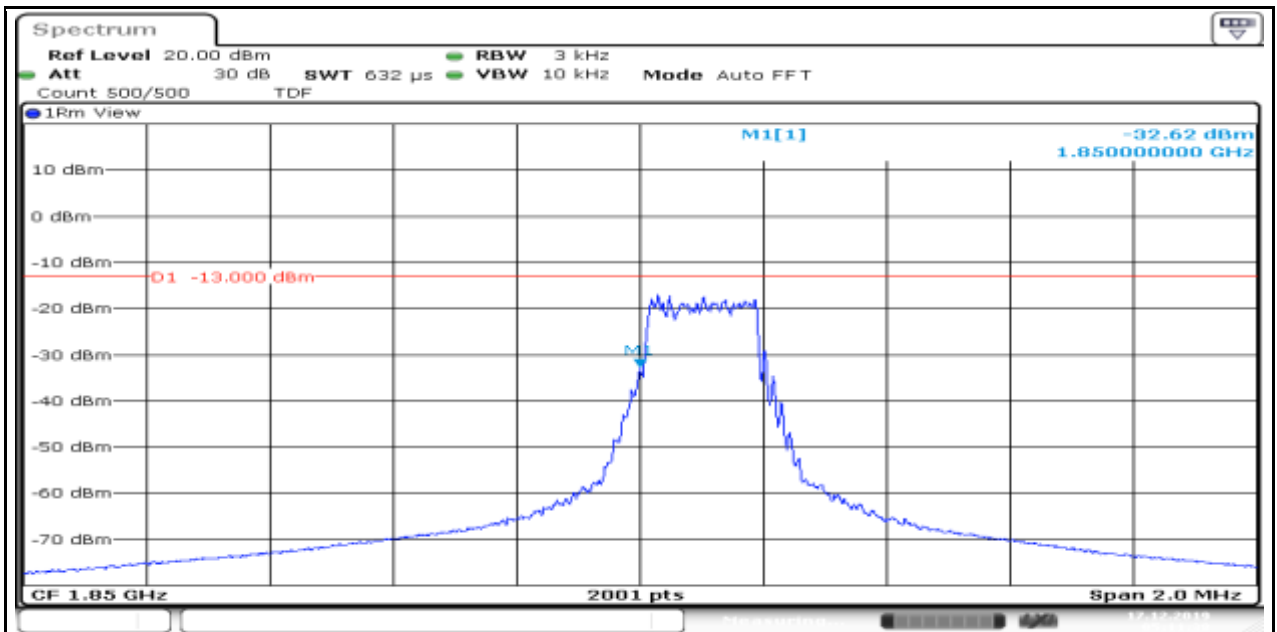
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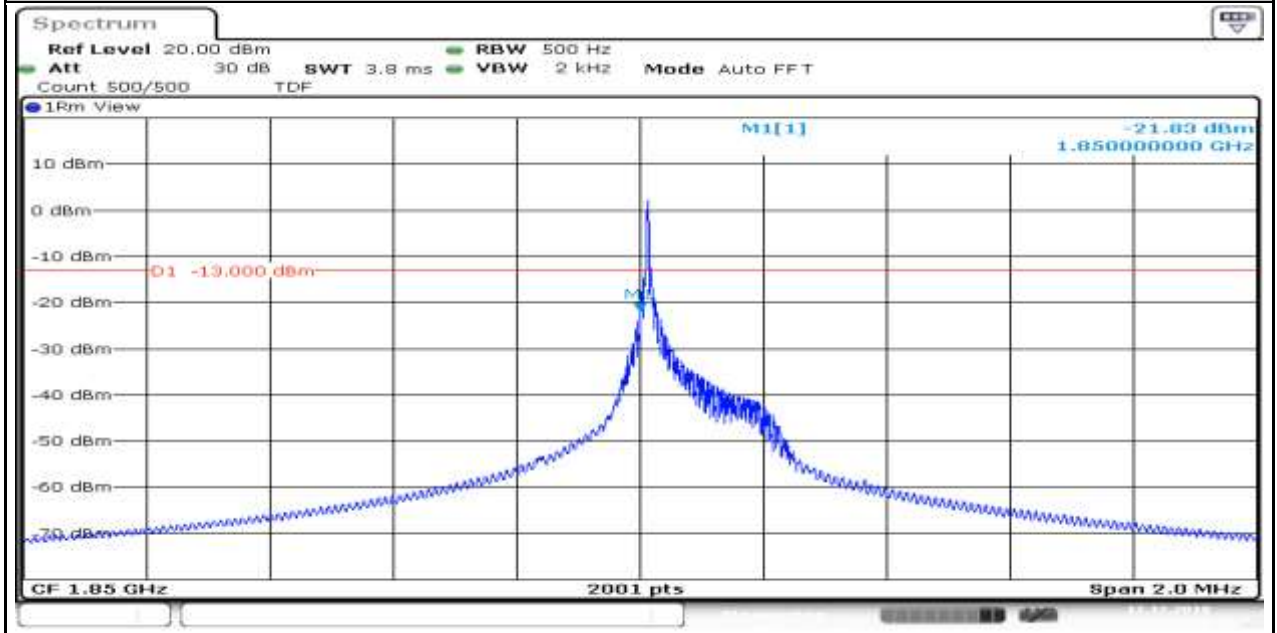
Date: 17.DEC.2019 05:10:53

Band25_Stand-Alone_NaN_QPSK_26041_12@0_15kHz_-32.62_PASS_

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Products

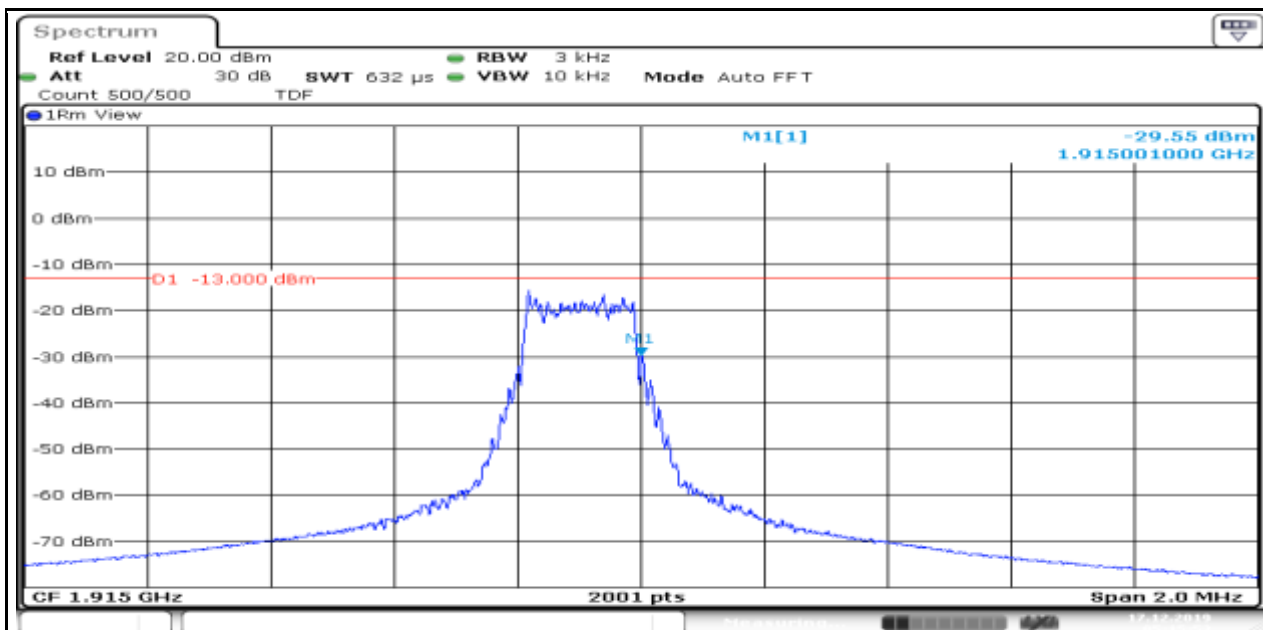


Band25_Stand-Alone_NaN_QPSK_26041_1@0_3.75kHz_-21.83_PASS_



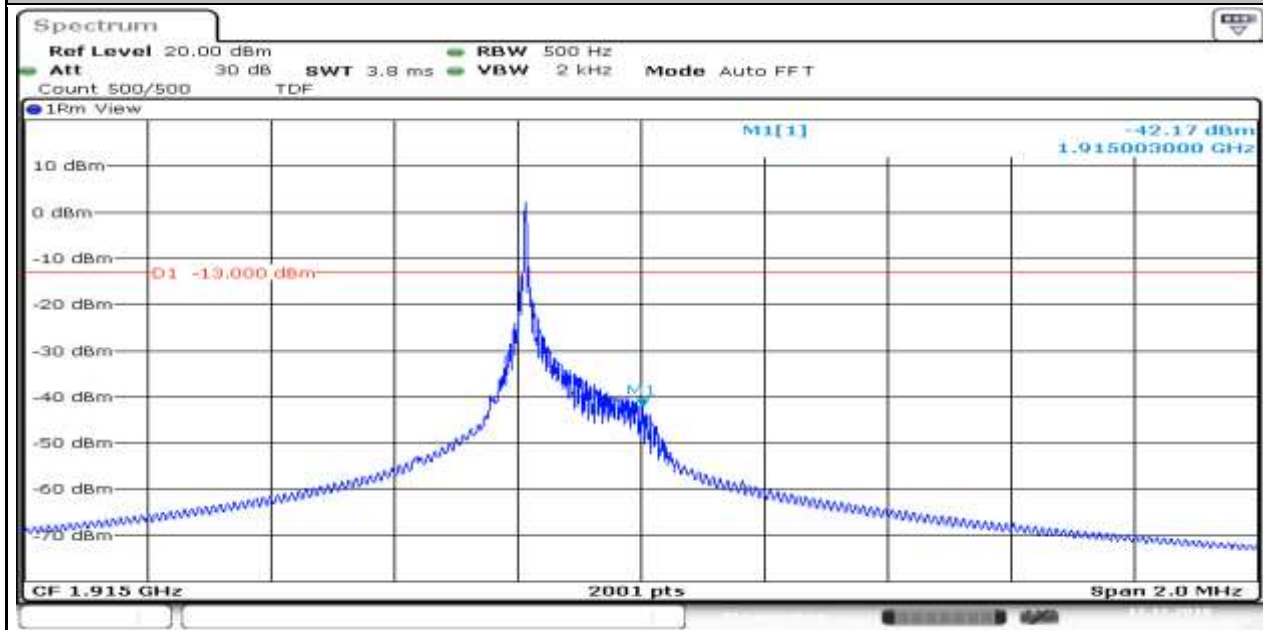
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Produkte
Products



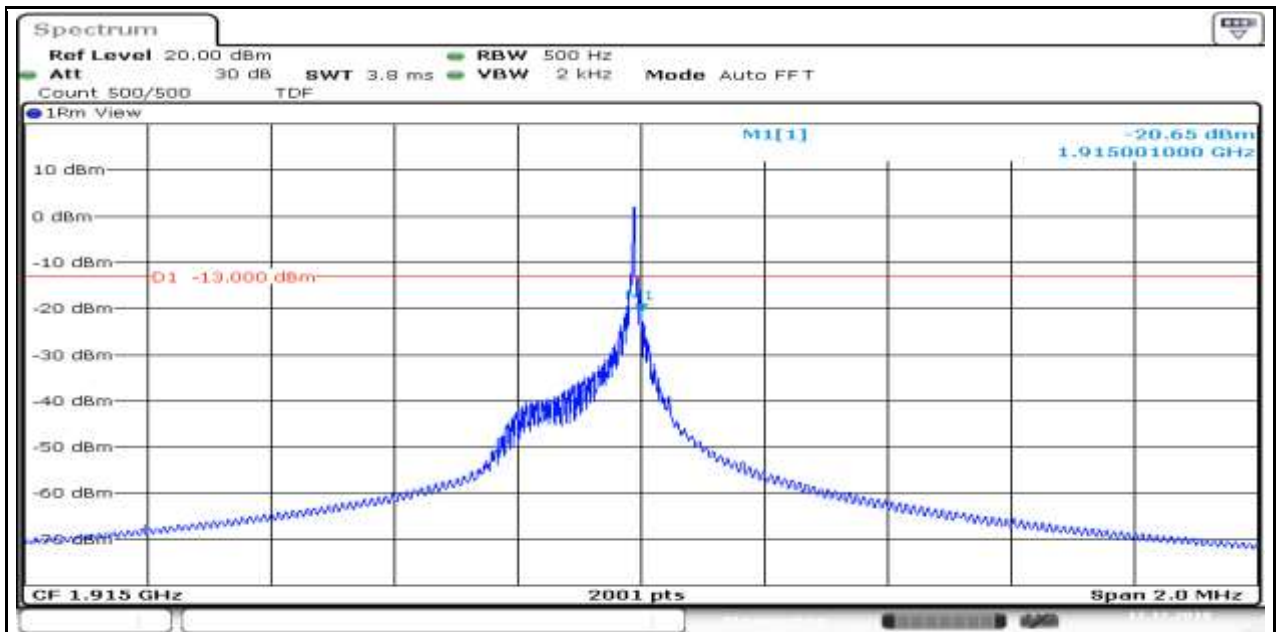
Date: 17.DEC.2019 05:15:53

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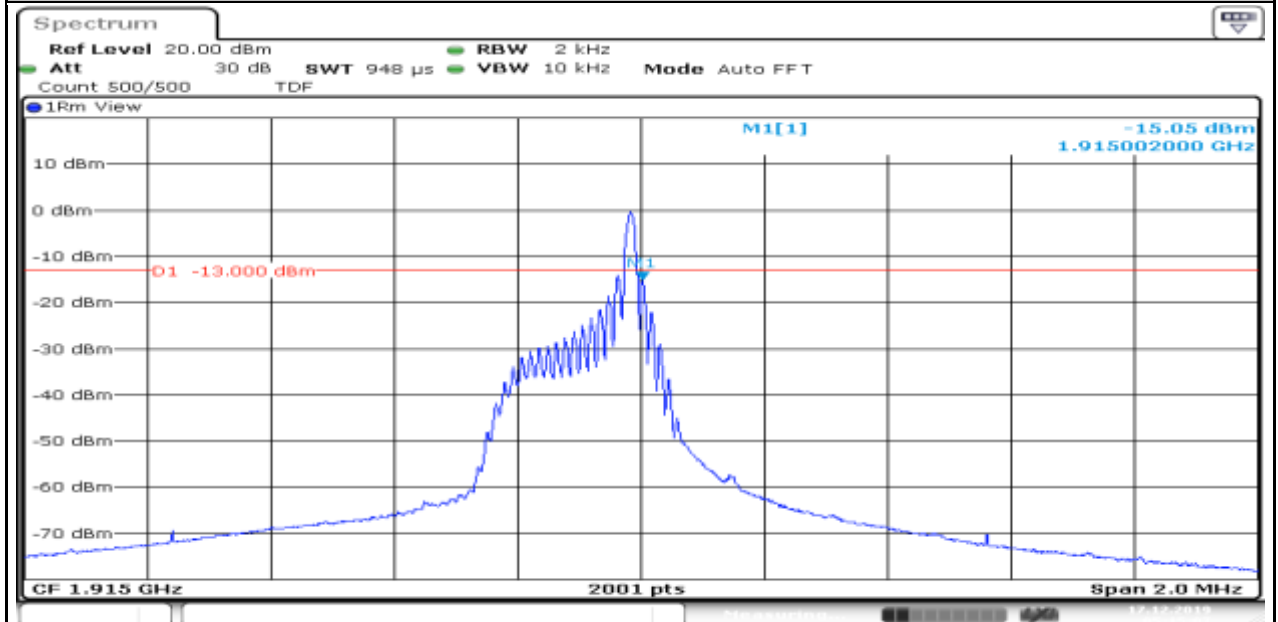
Date: 17.DEC.2019 05:12:28

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Date: 17.DEC.2019 05:13:14

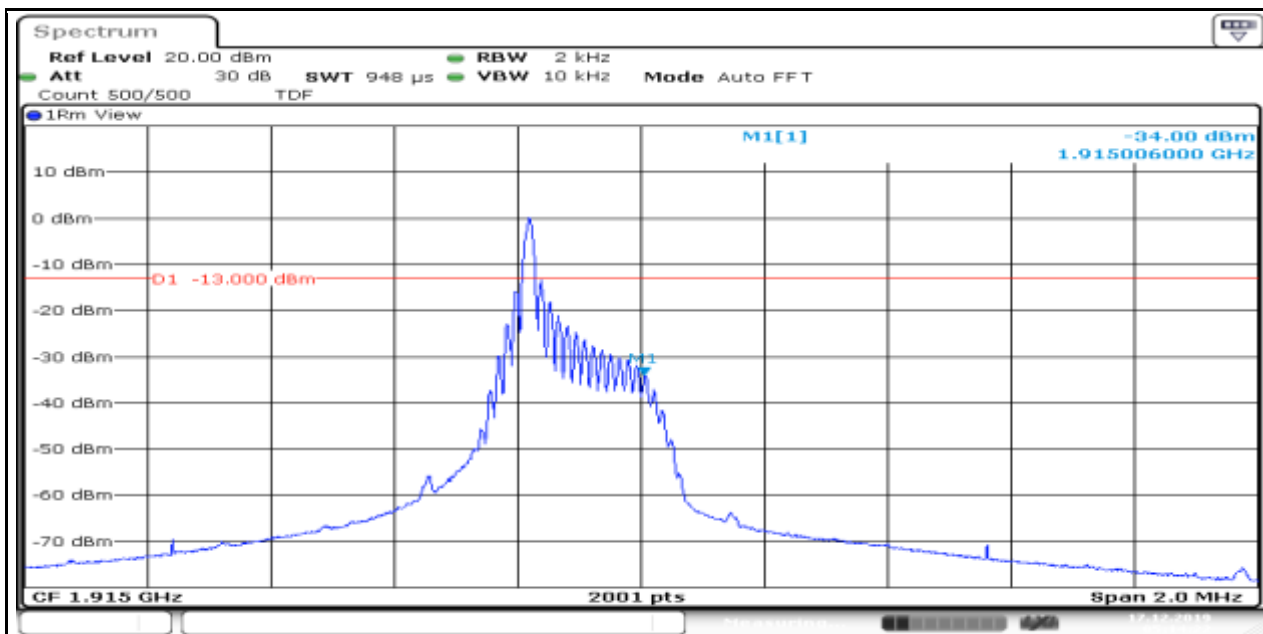
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Date: 17.DEC.2019 05:15:08

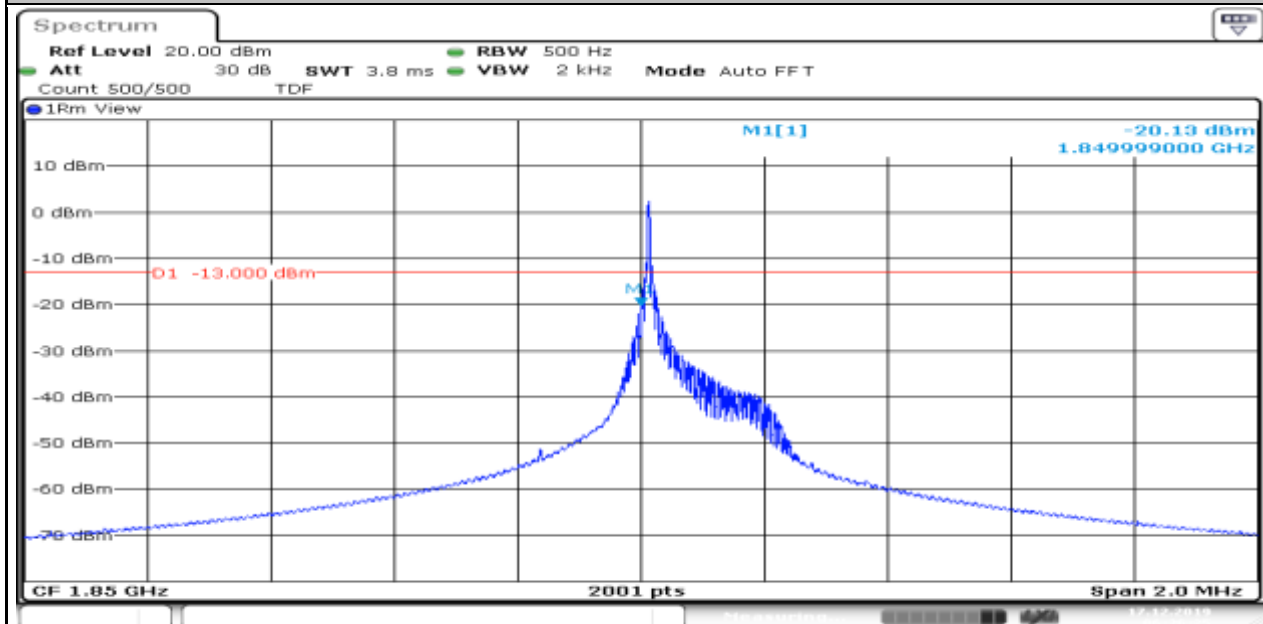
Band25_Stand-Alone_NaN_QPSK_26689_1@0_15kHz_-34.00_PASS_

Produkte
Products



Date: 17.DEC.2019 05:14:23

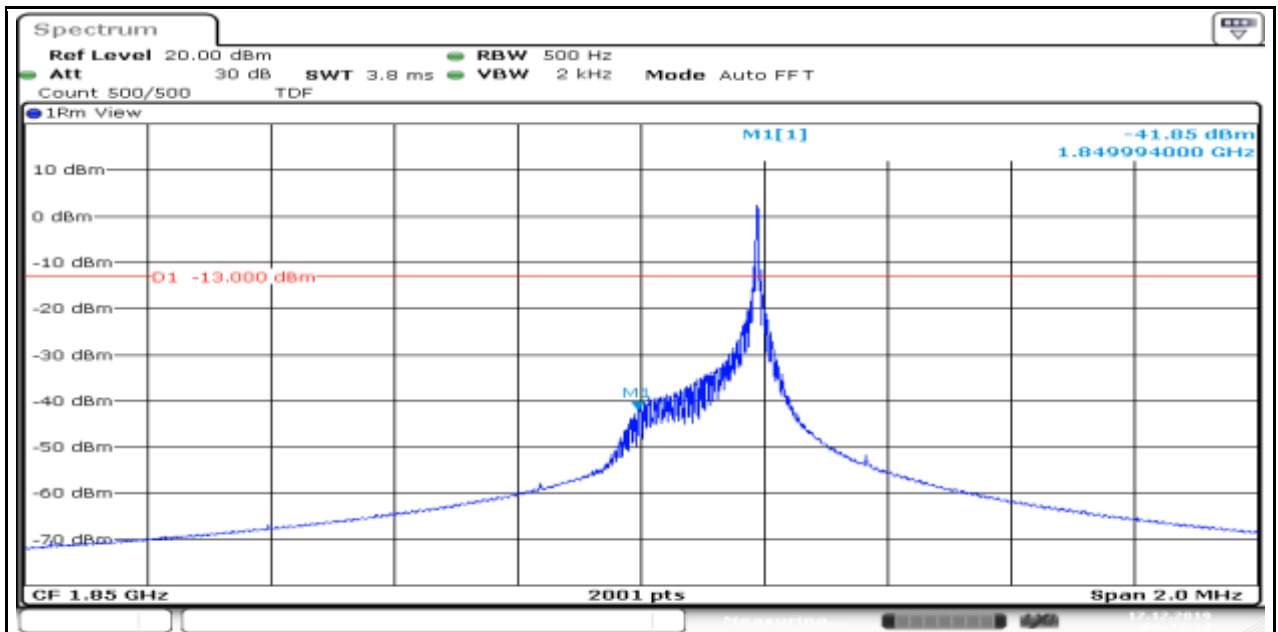
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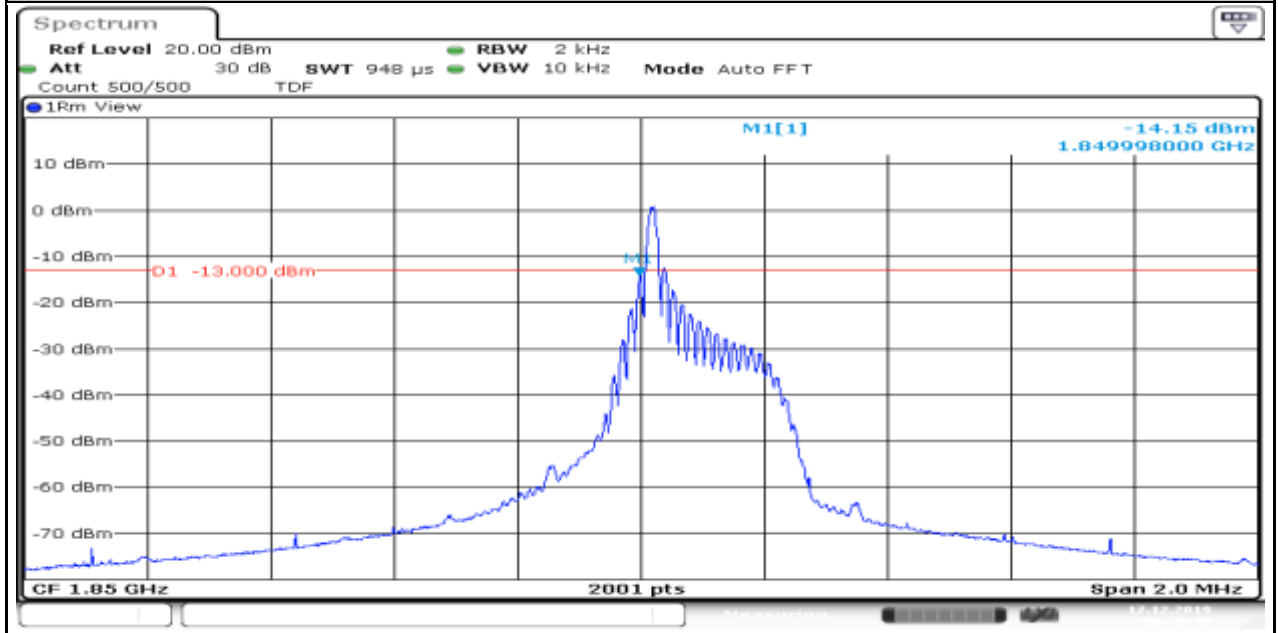
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Band25_Stand-Alone_NaN_BPSK_26041_1@47_3.75kHz_-41.85_PASS_

Produkte
Products

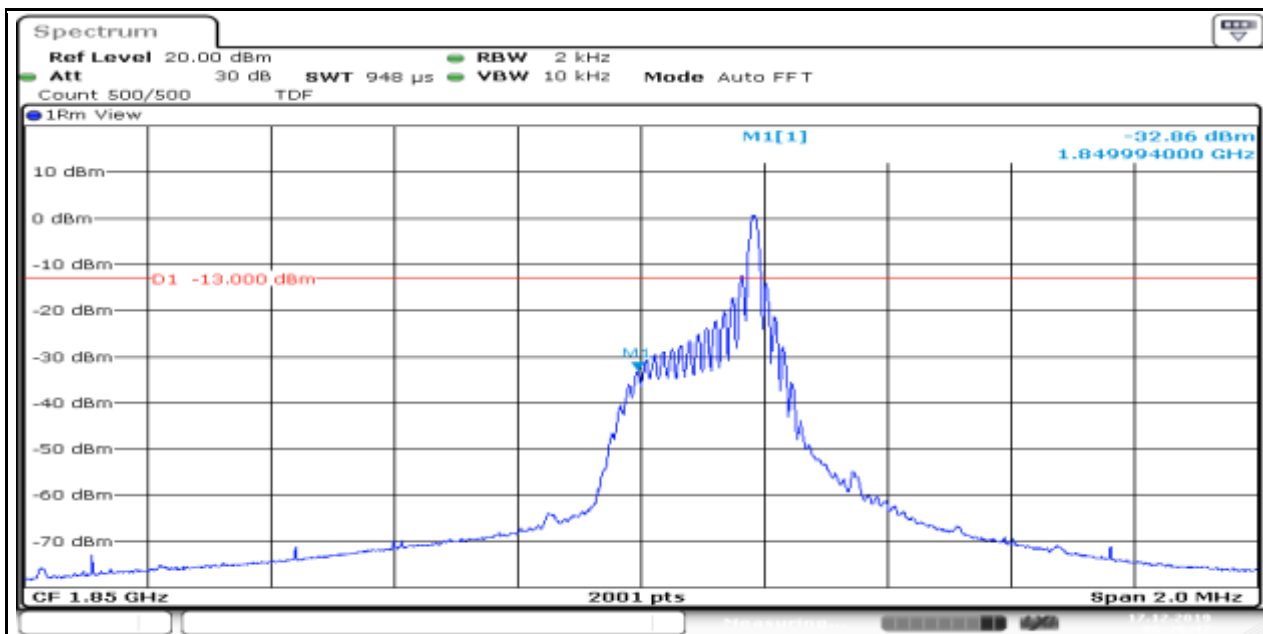


Band25_Stand-Alone_NaN_BPSK_26041_1@0_15kHz_-14.15_PASS_



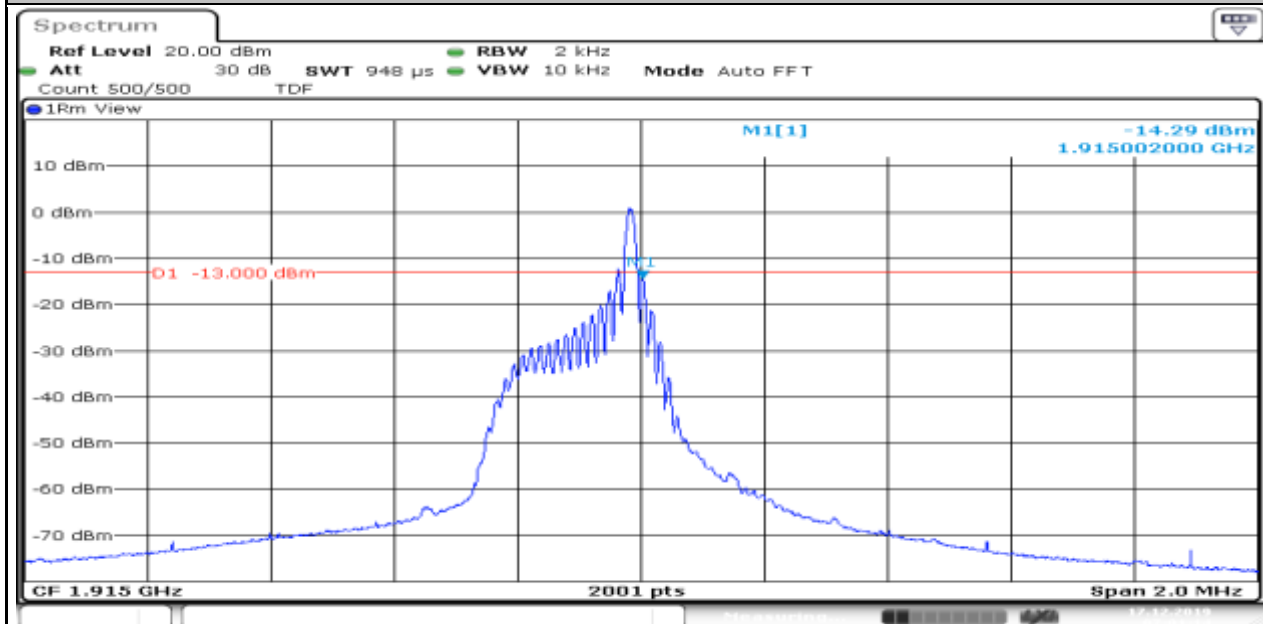
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Produkte
Products



Date: 17.DEC.2019 06:39:47

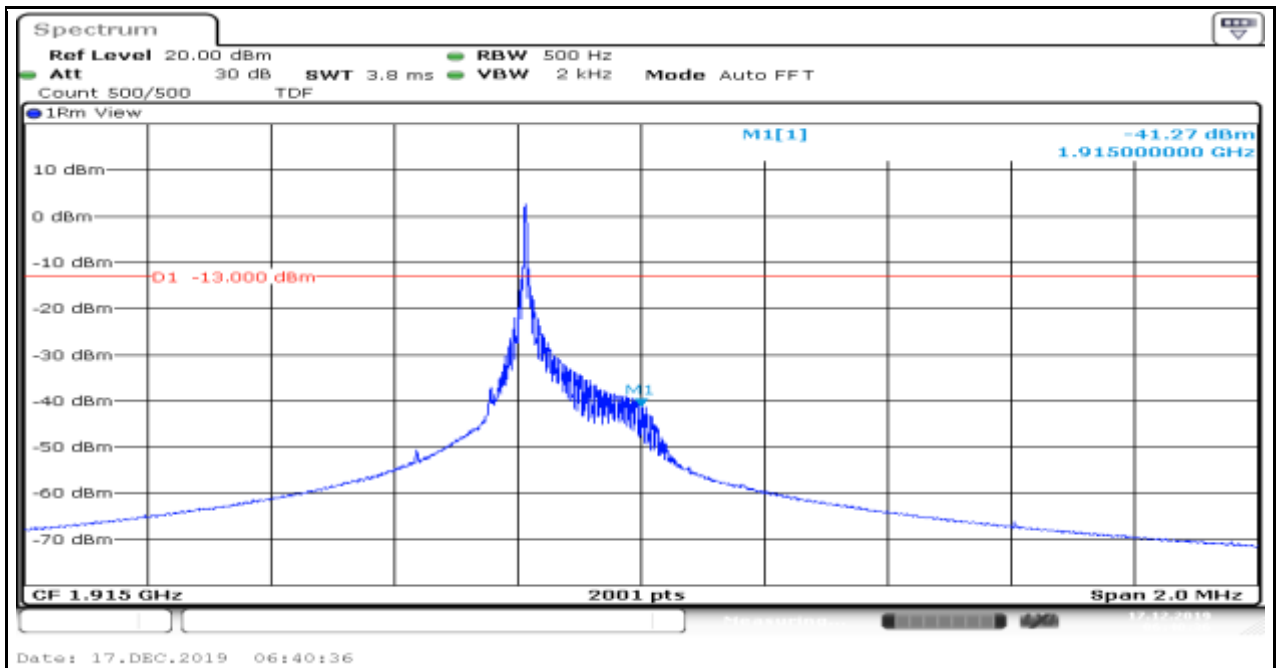
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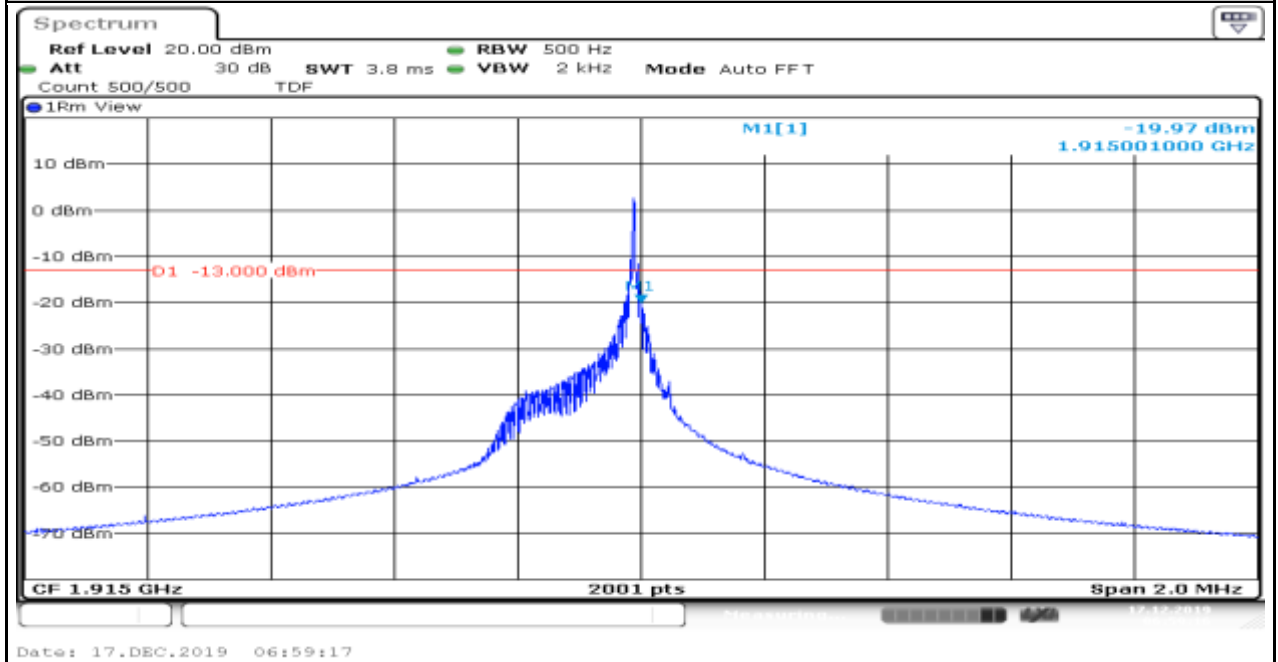
Date: 17.DEC.2019 07:01:15

Band25_Stand-Alone_NaN_BPSK_26689_1@0_3.75kHz_-41.27_PASS_

Produkte
Products

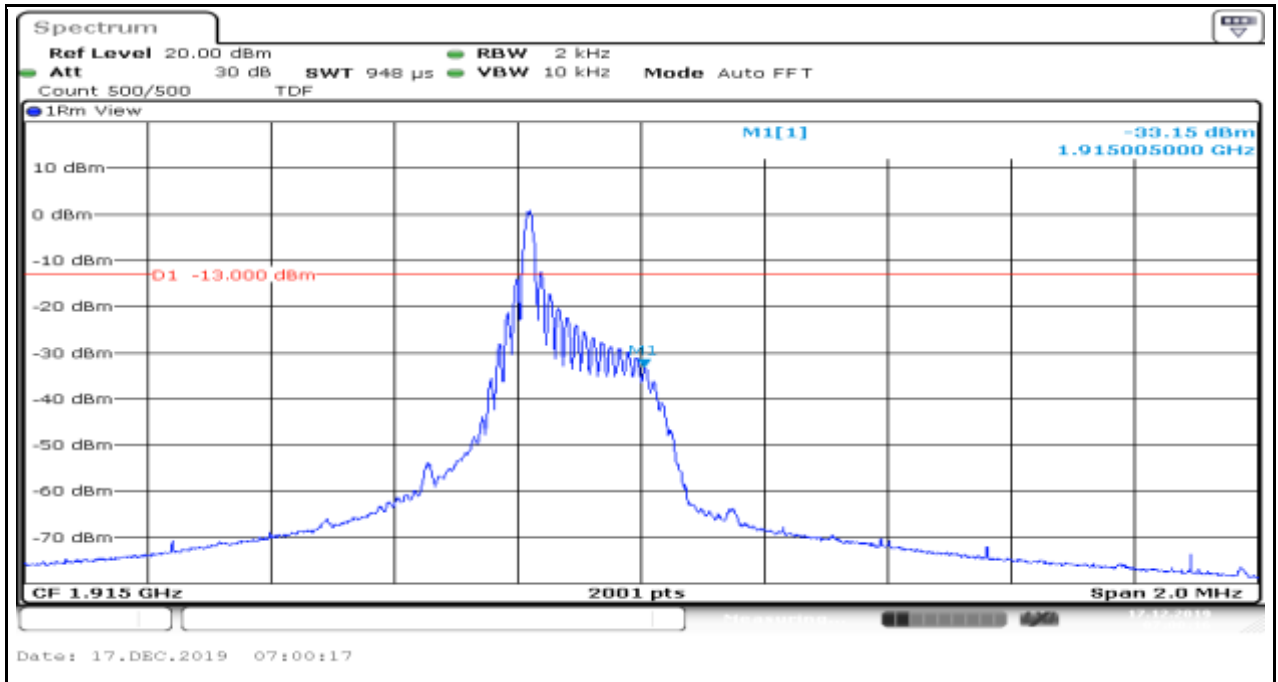


Band25_Stand-Alone_NaN_BPSK_26689_1@47_3.75kHz_-19.97_PASS_



Band25_Stand-Alone_NaN_BPSK_26689_1@0_15kHz_-33.15_PASS_

Produkte
Products



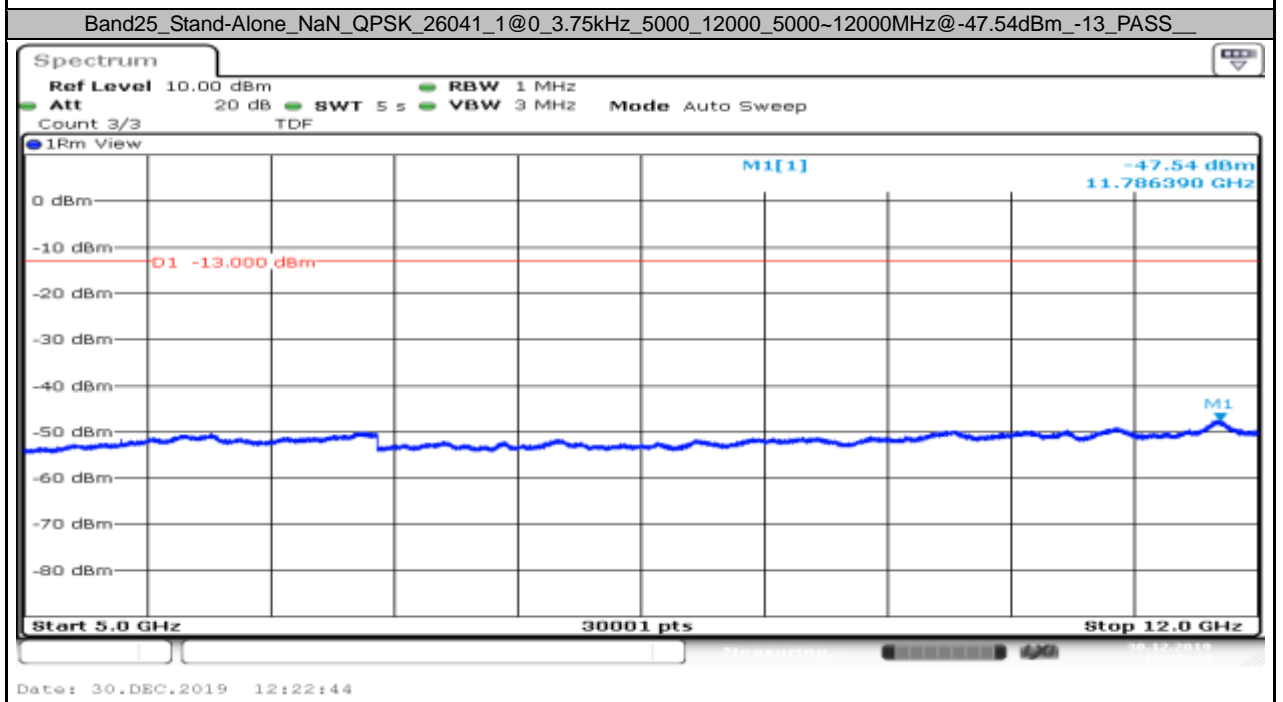
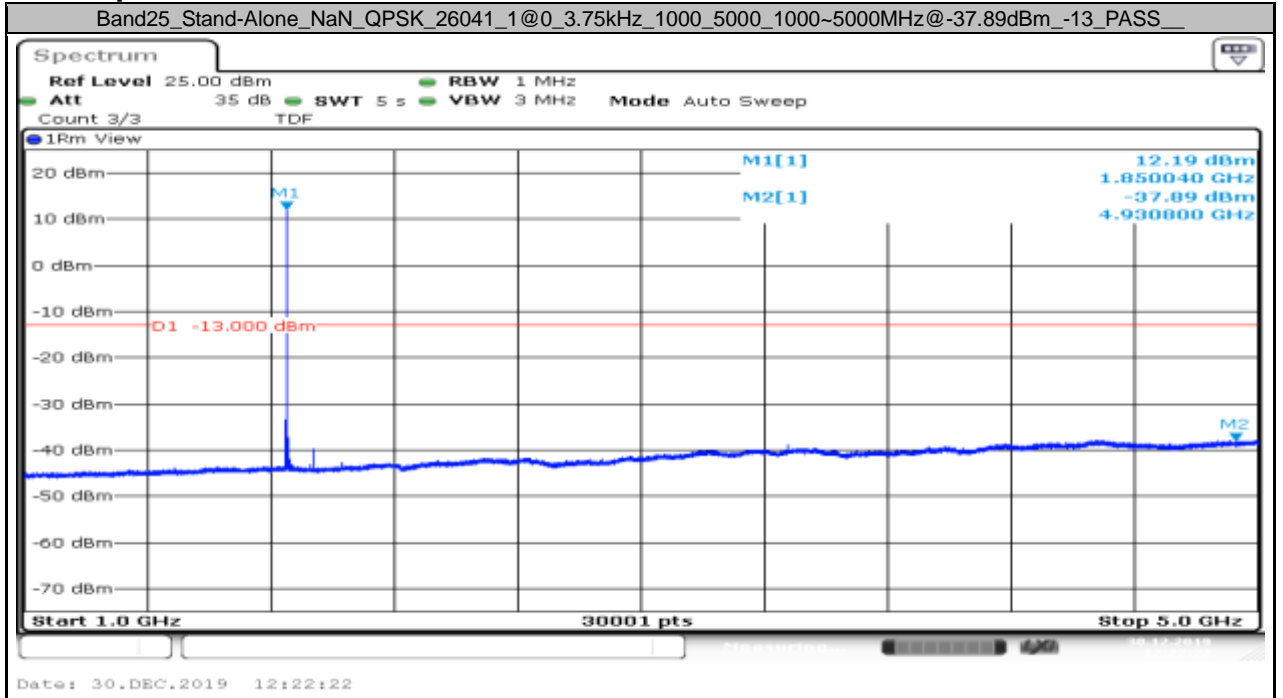
Appendix F.5: Conducted Spurious Emission for NB

Test Result

| Band | OpMode | Bandwidth | Modulation | Channel | Tones | SCS | StartFreq (MHz) | StopFreq (MHz) | Result (dBm) | Limit (dBm) | Verdict |
|--------|-------------|-----------|------------|---------|-------|---------|-----------------|----------------|--------------------------|-------------|---------|
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@0 | 3.75kHz | 1000 | 5000 | 1000~5000MHz@-37.89dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@0 | 3.75kHz | 5000 | 12000 | 5000~12000MHz@-47.54dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@0 | 3.75kHz | 12000 | 26500 | 12000~26500MHz@-41.42dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@47 | 3.75kHz | 30 | 1000 | 30~1000MHz@-36.13dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@47 | 3.75kHz | 1000 | 5000 | 1000~5000MHz@-37.81dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@47 | 3.75kHz | 5000 | 12000 | 5000~12000MHz@-47.36dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@47 | 3.75kHz | 12000 | 26500 | 12000~26500MHz@-41.12dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 1@0 | 3.75kHz | 30 | 1000 | 30~1000MHz@-35.44dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 12@0 | 15kHz | 12000 | 26500 | 12000~26500MHz@-41.47dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 12@0 | 15kHz | 5000 | 12000 | 5000~12000MHz@-47.43dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 12@0 | 15kHz | 1000 | 5000 | 1000~5000MHz@-37.86dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26041 | 12@0 | 15kHz | 30 | 1000 | 30~1000MHz@-35.53dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | 5000 | 12000 | 5000~12000MHz@-44.21dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 12@0 | 15kHz | 1000 | 5000 | 1000~5000MHz@-37.87dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | 12000 | 26500 | 12000~26500MHz@-41.49dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | 5000 | 12000 | 5000~12000MHz@-44.07dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | 1000 | 5000 | 1000~5000MHz@-35.14dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 12@0 | 15kHz | 12000 | 26500 | 12000~26500MHz@-41.42dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | 12000 | 26500 | 12000~26500MHz@-41.49dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 12@0 | 15kHz | 5000 | 12000 | 5000~12000MHz@-45.79dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | 1000 | 5000 | 1000~5000MHz@-35.14dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | 30 | 1000 | 30~1000MHz@-35.31dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | 30 | 1000 | 30~1000MHz@-35.82dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 12@0 | 15kHz | 30 | 1000 | 30~1000MHz@-35.9dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@0 | 3.75kHz | 12000 | 26500 | 12000~26500MHz@-41.47dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@0 | 3.75kHz | 30 | 1000 | 30~1000MHz@-35.86dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@0 | 3.75kHz | 5000 | 12000 | 5000~12000MHz@-47.38dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@47 | 3.75kHz | 30 | 1000 | 30~1000MHz@-36.07dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@47 | 3.75kHz | 1000 | 5000 | 1000~5000MHz@-37.91dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@47 | 3.75kHz | 5000 | 12000 | 5000~12000MHz@-47.49dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@47 | 3.75kHz | 12000 | 26500 | 12000~26500MHz@-41.44dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 12@0 | 15kHz | 30 | 1000 | 30~1000MHz@-35.82dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 1@0 | 3.75kHz | 1000 | 5000 | 1000~5000MHz@-37.64dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 12@0 | 15kHz | 12000 | 26500 | 12000~26500MHz@-41.4dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 12@0 | 15kHz | 5000 | 12000 | 5000~12000MHz@-47.27dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26689 | 12@0 | 15kHz | 1000 | 5000 | 1000~5000MHz@-37.77dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@0 | 15kHz | 12000 | 26500 | 12000~26500MHz@-41.11dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@0 | 15kHz | 1000 | 5000 | 1000~5000MHz@-37.89dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@0 | 15kHz | 5000 | 12000 | 5000~12000MHz@-47.23dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@11 | 15kHz | 12000 | 26500 | 12000~26500MHz@-41.57dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@11 | 15kHz | 5000 | 12000 | 5000~12000MHz@-47.44dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@11 | 15kHz | 1000 | 5000 | 1000~5000MHz@-37.71dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@11 | 15kHz | 30 | 1000 | 30~1000MHz@-35.67dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26041 | 1@0 | 15kHz | 30 | 1000 | 30~1000MHz@-35.67dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@0 | 15kHz | 30 | 1000 | 30~1000MHz@-35.09dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@11 | 15kHz | 12000 | 26500 | 12000~26500MHz@-41.46dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@11 | 15kHz | 1000 | 5000 | 1000~5000MHz@-35.06dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@11 | 15kHz | 5000 | 12000 | 5000~12000MHz@-44.36dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@11 | 15kHz | 30 | 1000 | 30~1000MHz@-35.88dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@0 | 15kHz | 12000 | 26500 | 12000~26500MHz@-41.44dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@0 | 15kHz | 1000 | 5000 | 1000~5000MHz@-34.89dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26365 | 1@0 | 15kHz | 5000 | 12000 | 5000~12000MHz@-47.01dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@11 | 15kHz | 12000 | 26500 | 12000~26500MHz@-41.47dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@0 | 15kHz | 30 | 1000 | 30~1000MHz@-35.57dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@0 | 15kHz | 1000 | 5000 | 1000~5000MHz@-37.71dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@0 | 15kHz | 5000 | 12000 | 5000~12000MHz@-47.28dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@0 | 15kHz | 12000 | 26500 | 12000~26500MHz@-41.51dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@11 | 15kHz | 30 | 1000 | 30~1000MHz@-35.89dBm | -13 | PASS |

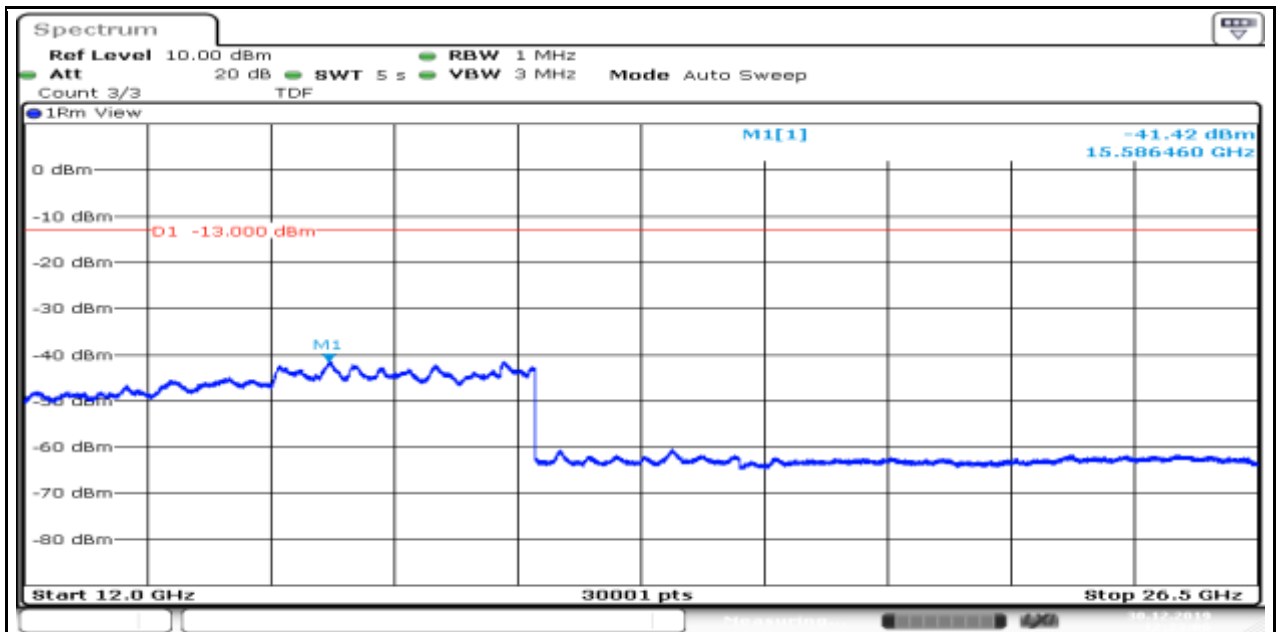
| | | | | | | | | | | | |
|--------|-------------|-----|------|-------|------|-------|------|-------|-------------------------|-----|------|
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@11 | 15kHz | 1000 | 5000 | 1000~5000MHz@-37.74dBm | -13 | PASS |
| Band25 | Stand-Alone | NaN | BPSK | 26689 | 1@11 | 15kHz | 5000 | 12000 | 5000~12000MHz@-47.38dBm | -13 | PASS |

Test Graphs

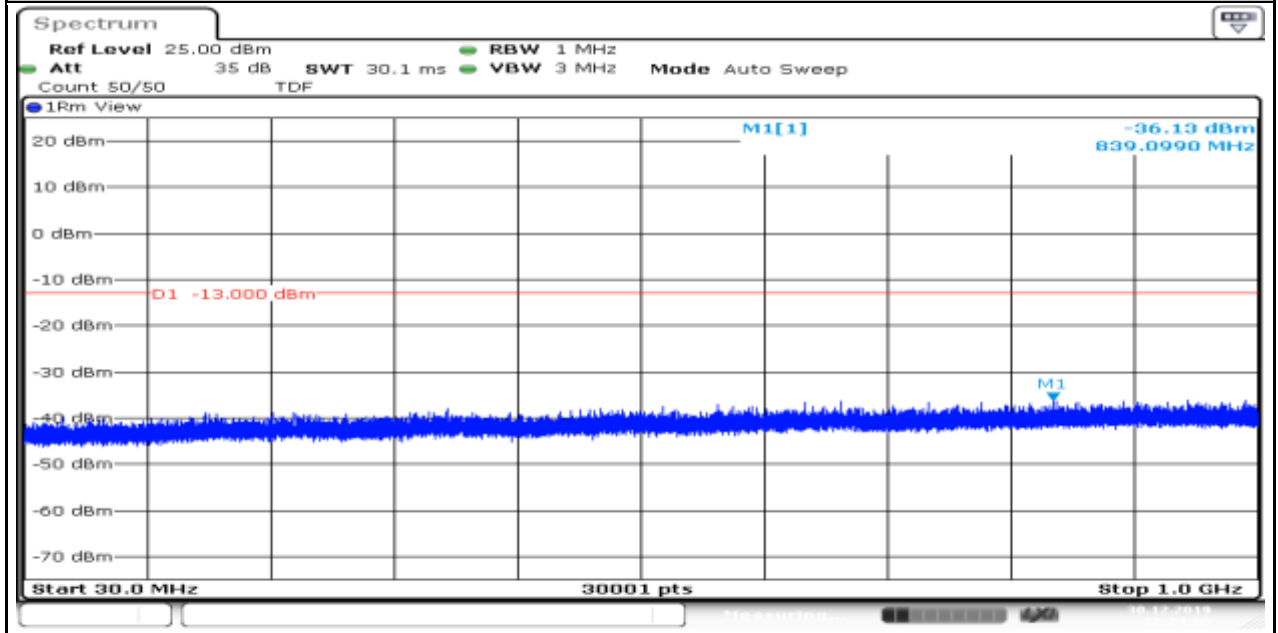


Band25_Stand-Alone_NaN_QPSK_26041_1@0_3.75kHz_12000_26500_12000~26500MHz@-41.42dBm_-13_PASS__

Produkte
Products

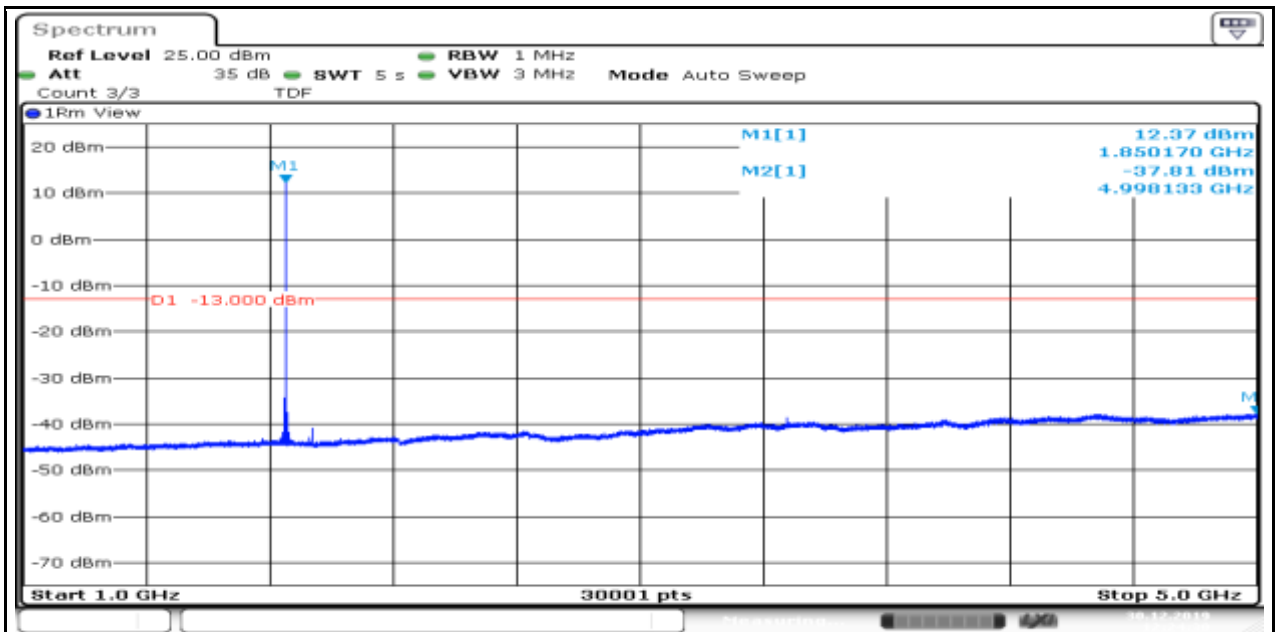


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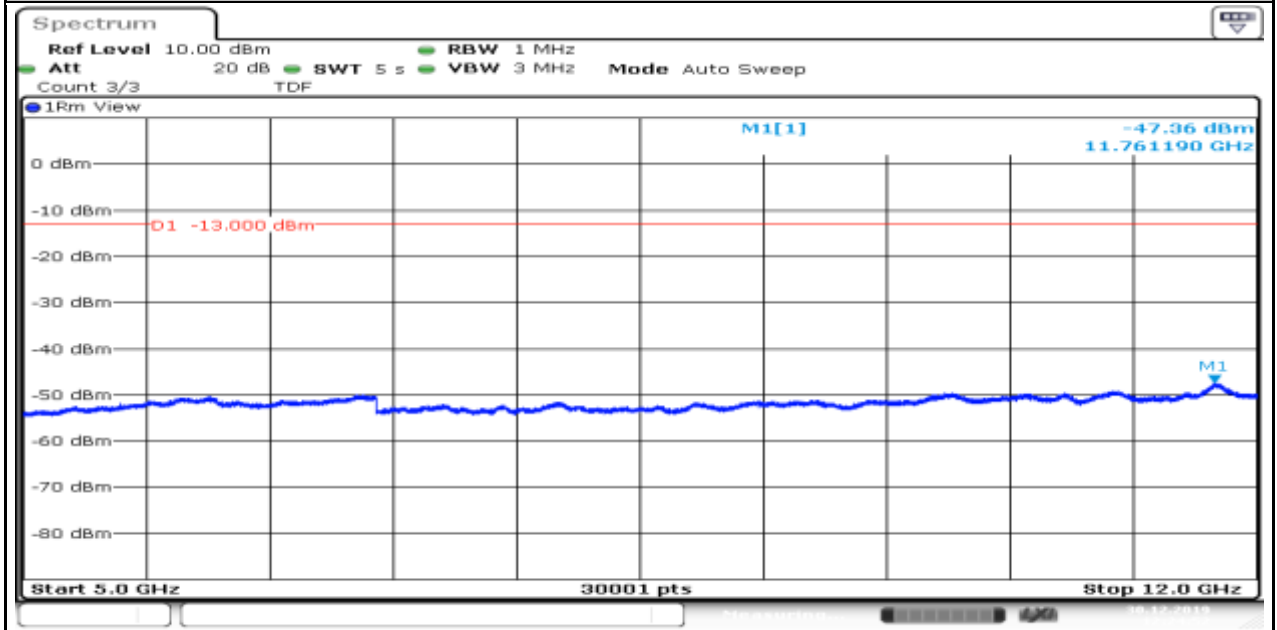


Band25_Stand-Alone_NaN_QPSK_26041_1@47_3.75kHz_1000_5000_1000~5000MHz@-37.81dBm_-13_PASS_

Produkte
Products

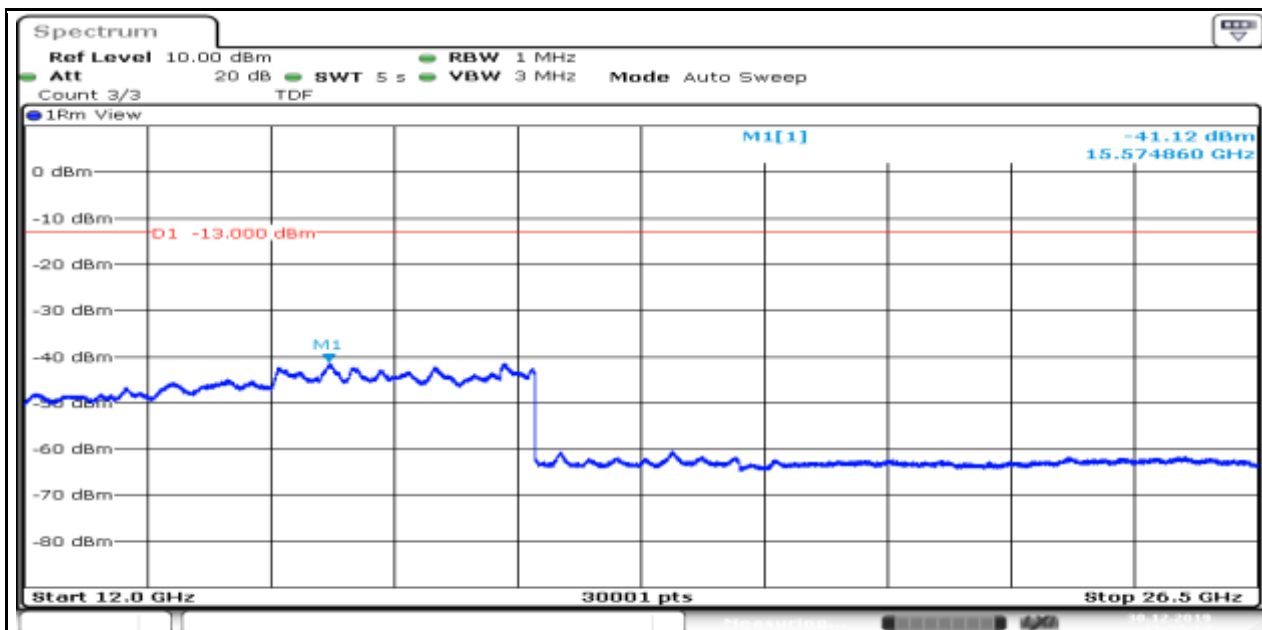


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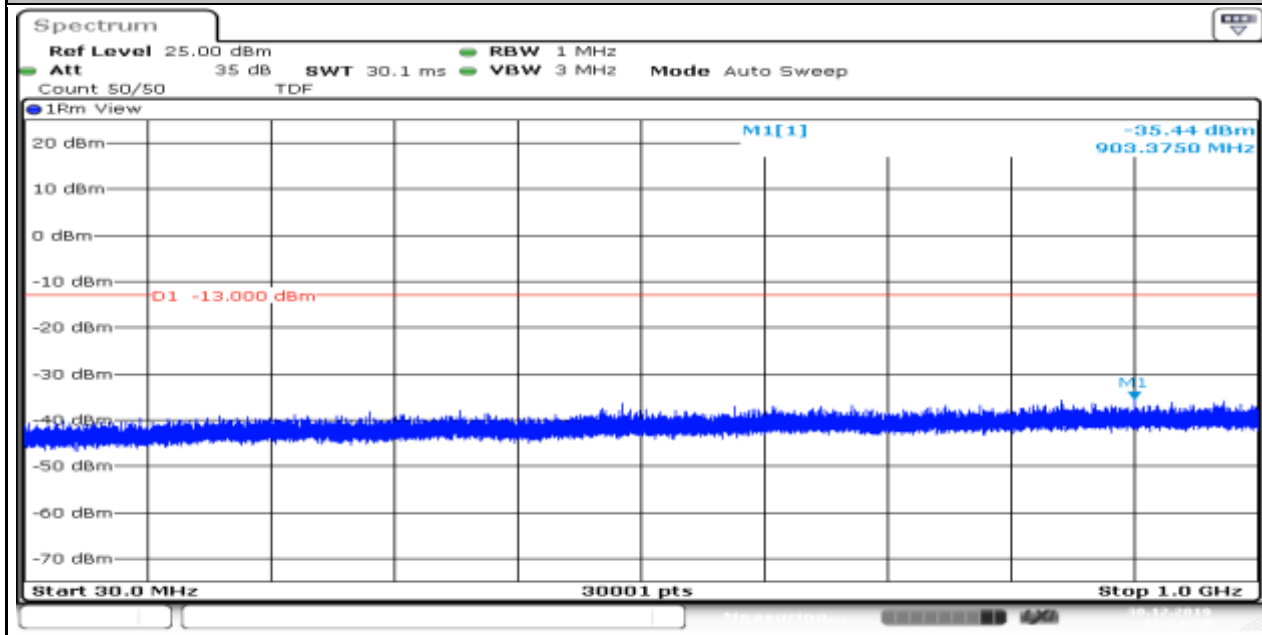


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Produkte
Products

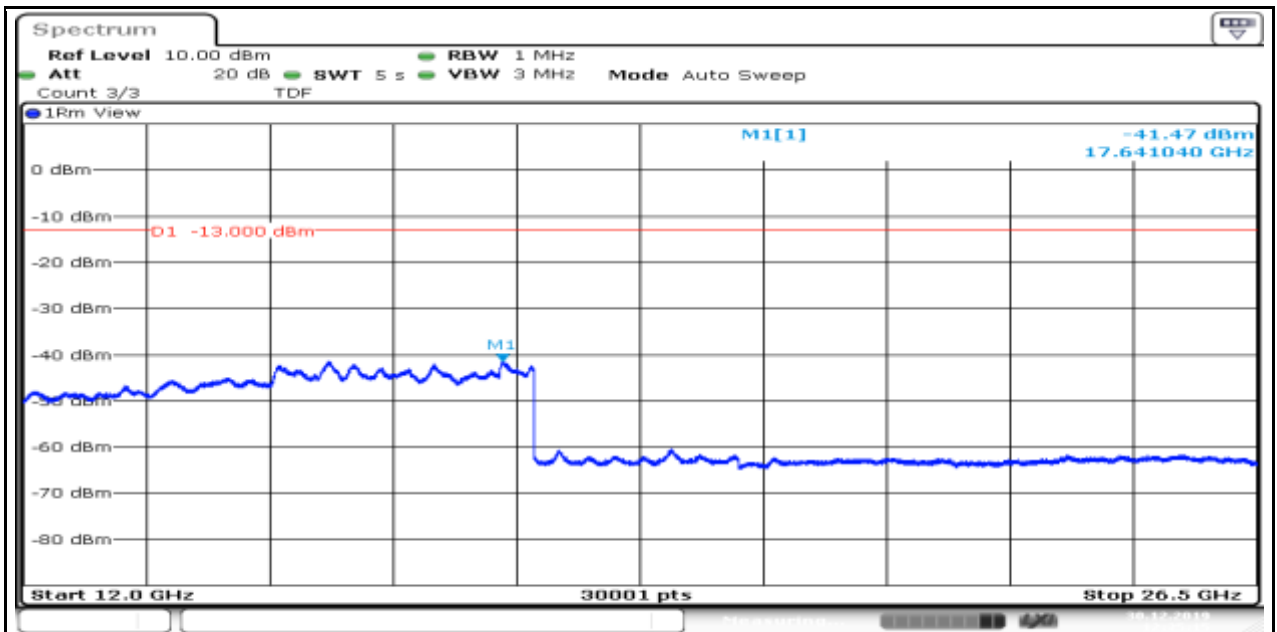


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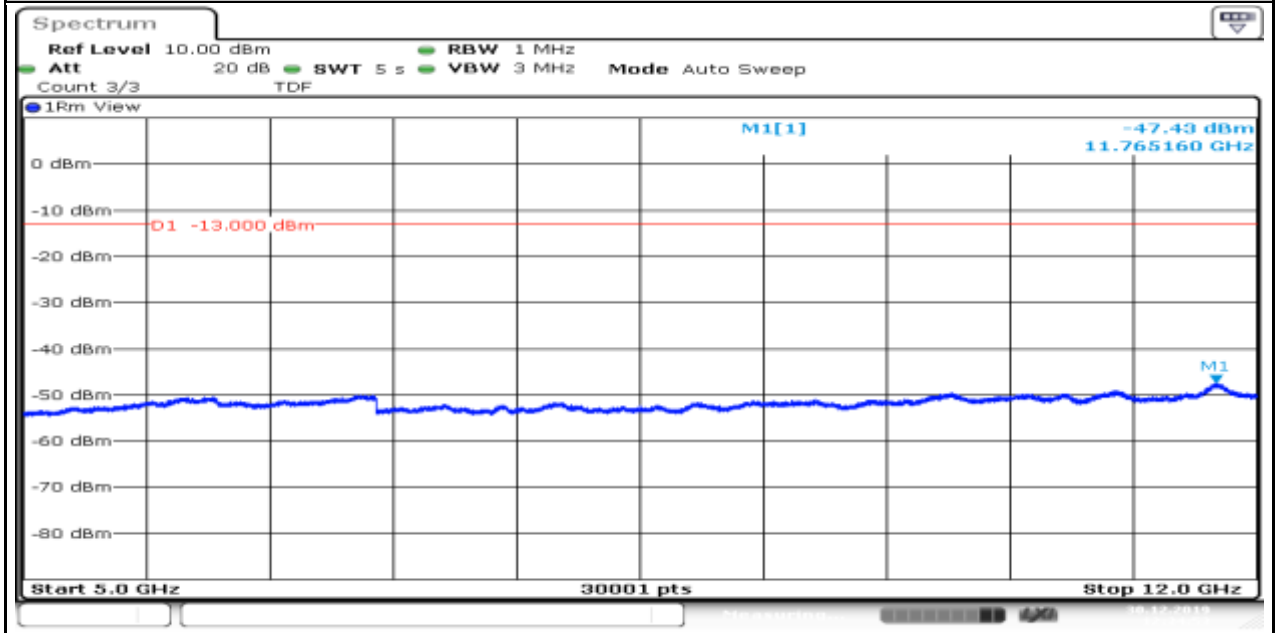


Band25_Stand-Alone_NaN_QPSK_26041_12@0_15kHz_12000_26500_12000~26500MHz@-41.47dBm_-13_PASS__

Produkte
Products

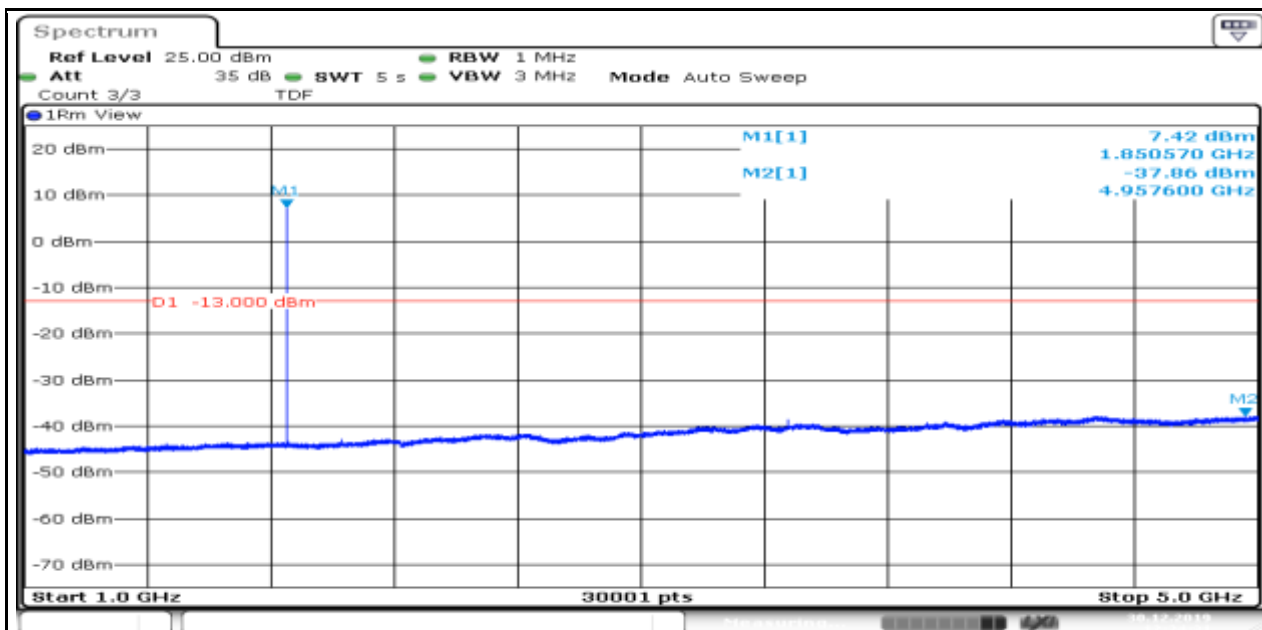


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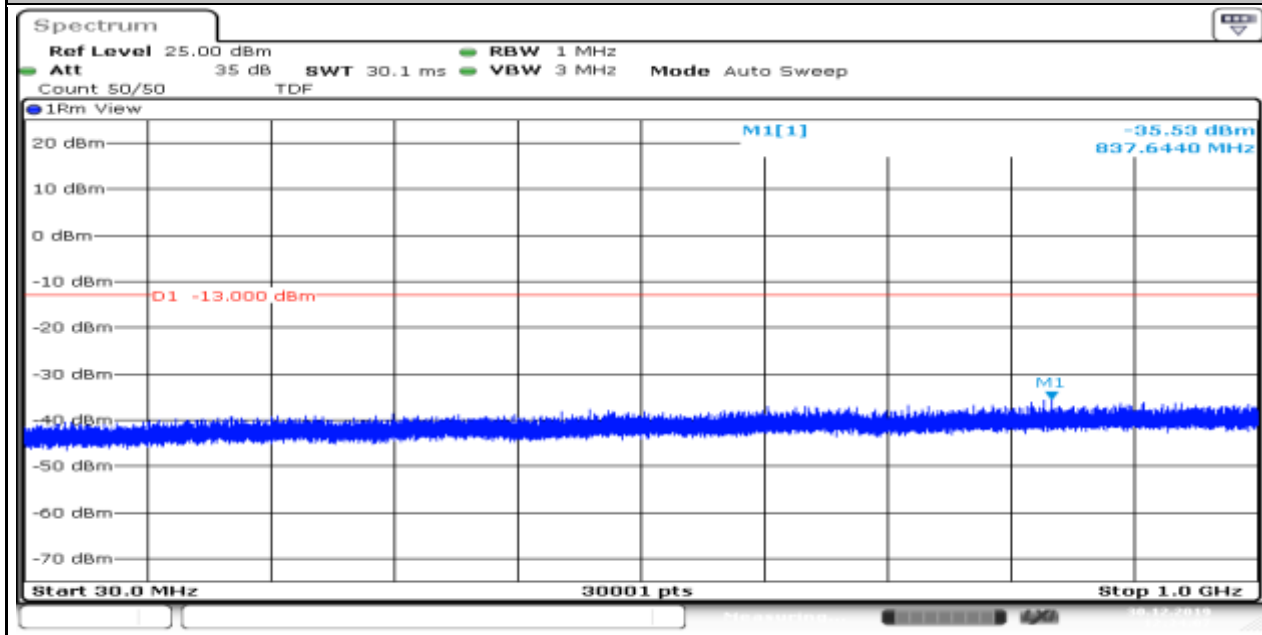
Band25_Stand-Alone_NaN_QPSK_26041_12@0_15kHz_1000_5000_1000~5000MHz@-37.86dBm_-13_PASS_

Produkte
 Products



Date: 30.DEC.2019 12:34:31

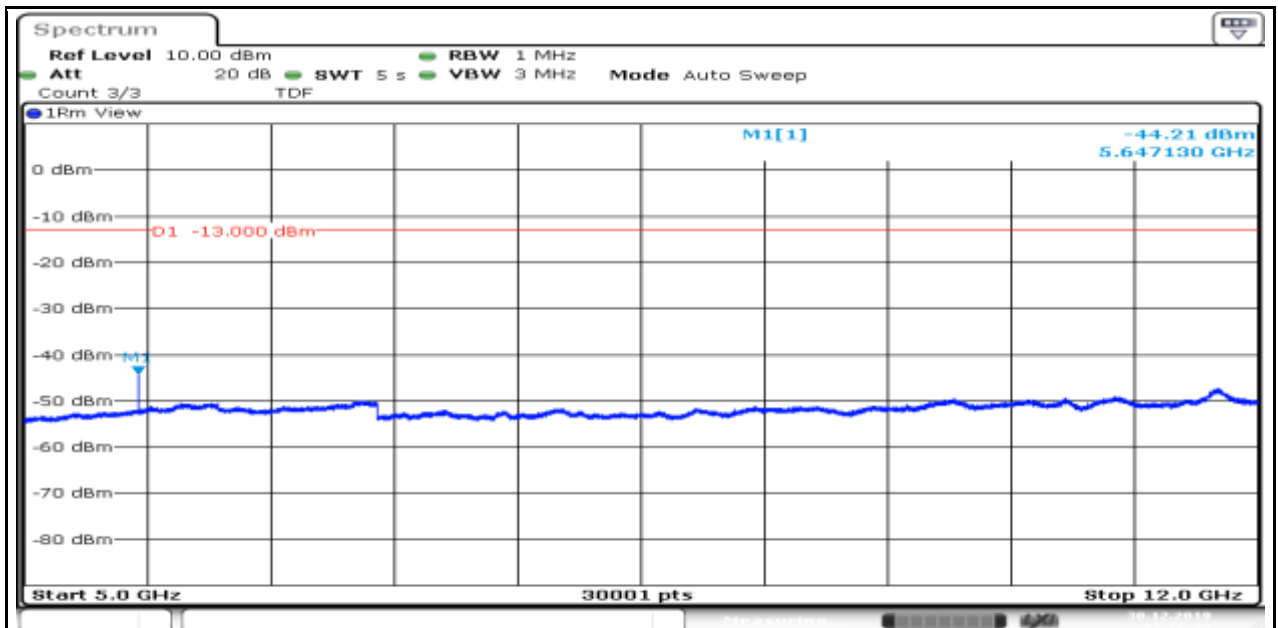
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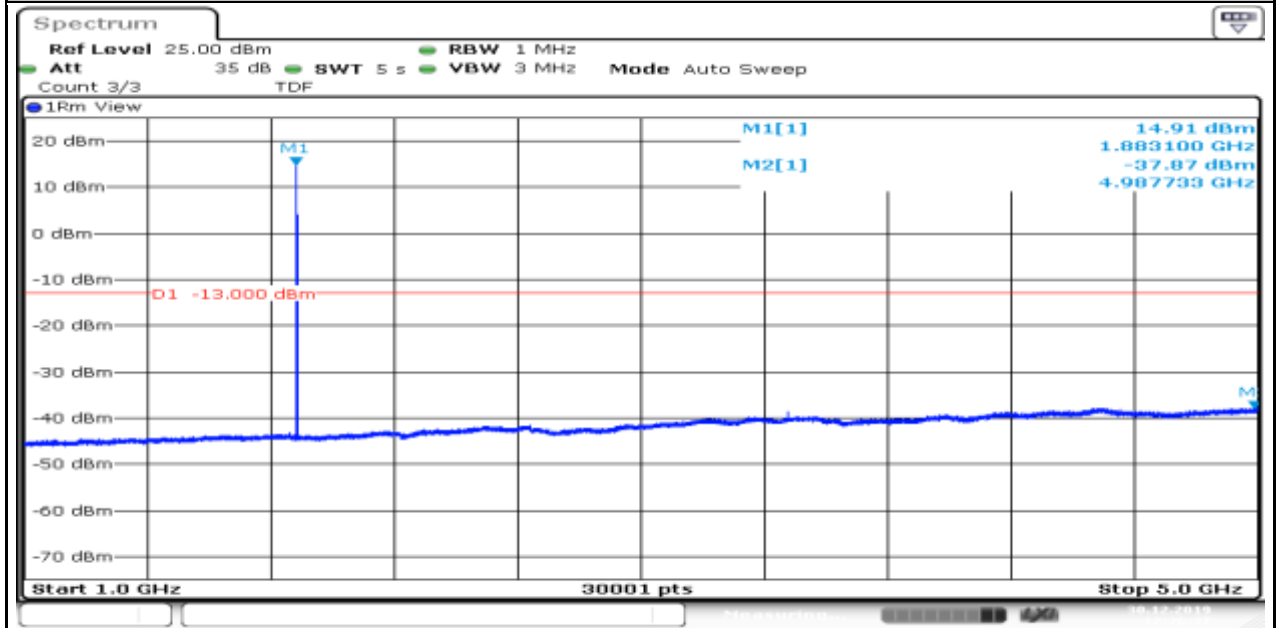
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Produkte
Products

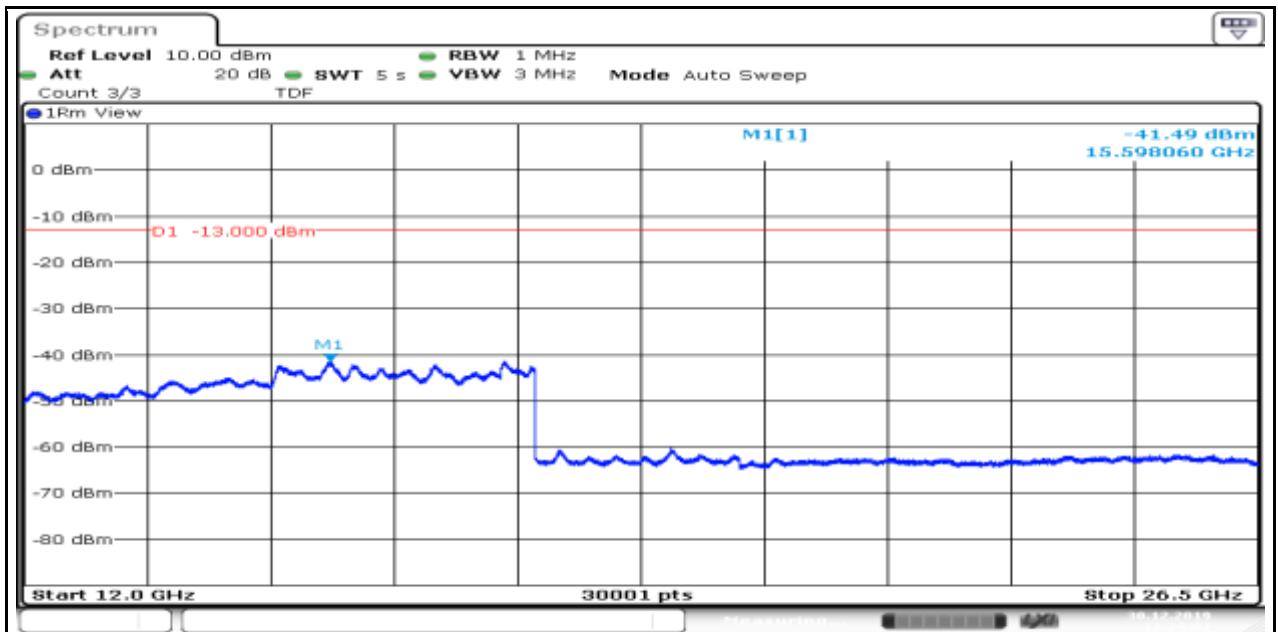


Band25_Stand-Alone_NaN_QPSK_26365_12@0_15kHz_1000_5000_1000~5000MHz@-37.87dBm_-13_PASS_

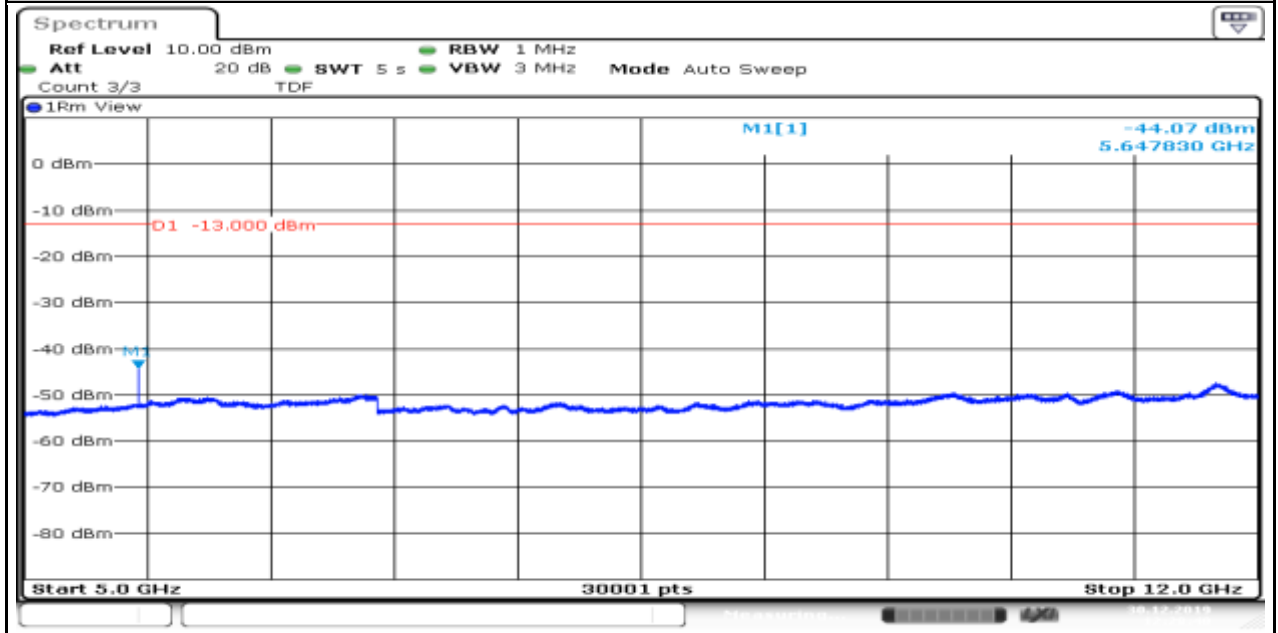


Band25_Stand-Alone_NaN_QPSK_26365_1@47_3.75kHz_12000_26500_12000~26500MHz@-41.49dBm_-13_PASS_

Produkte
Products

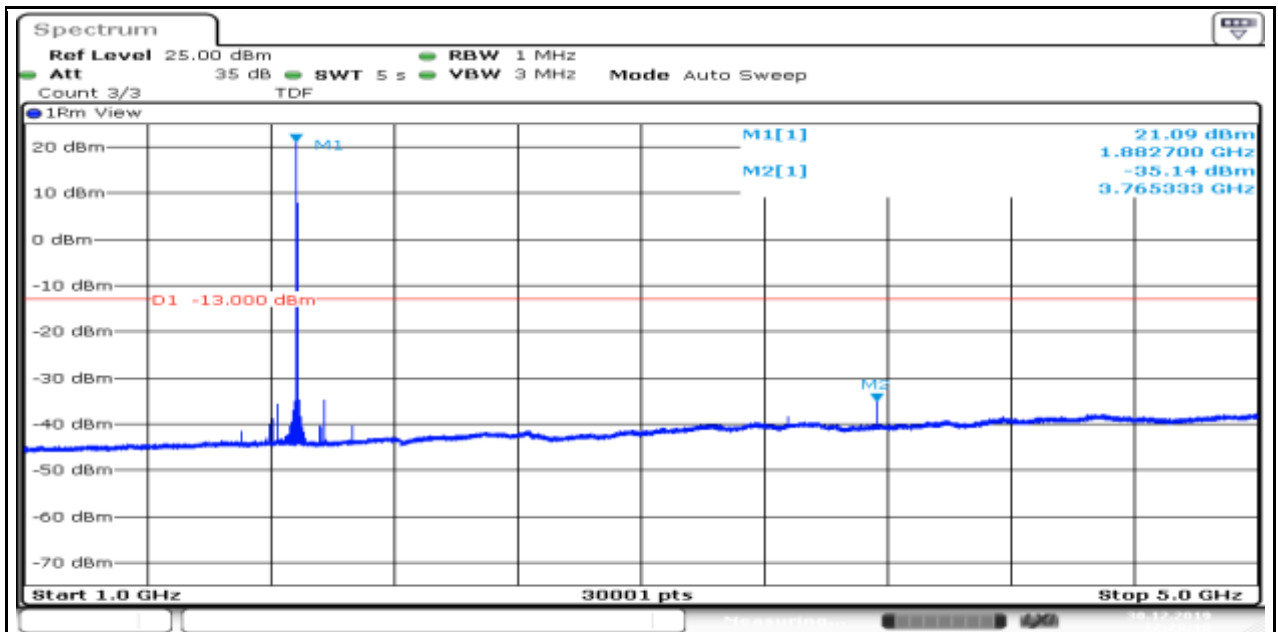


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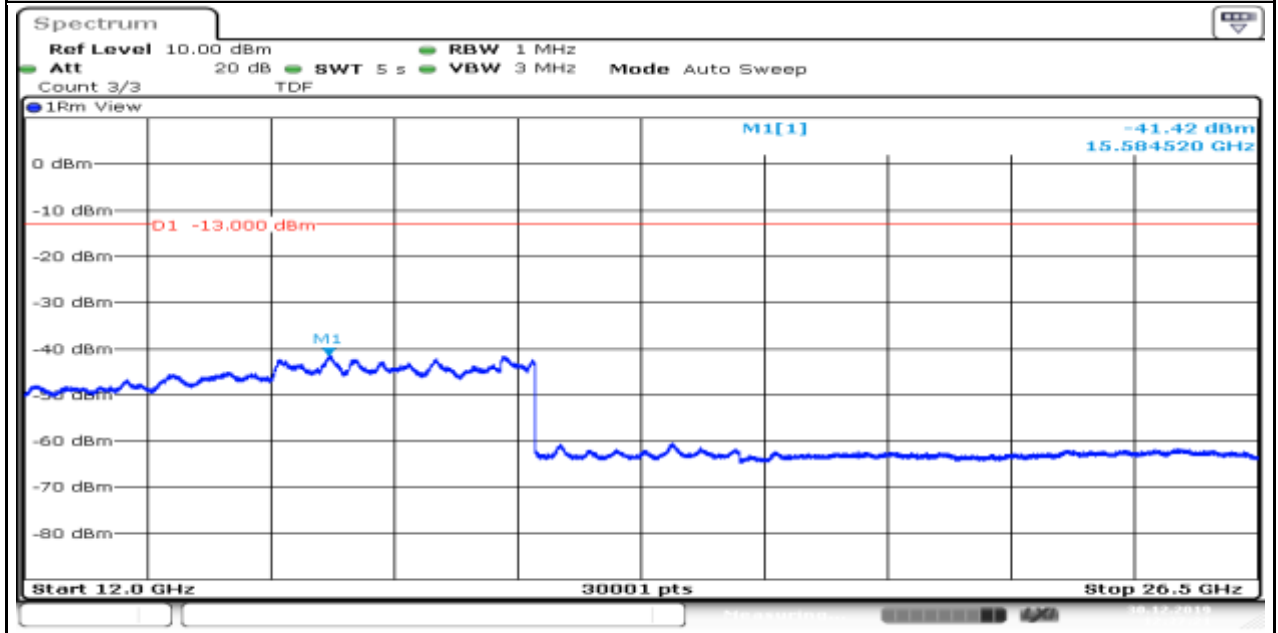


Band25_Stand-Alone_NaN_QPSK_26365_1@47_3.75kHz_1000_5000_1000-5000MHz@-35.14dBm_-13_PASS_

Produkte
Products

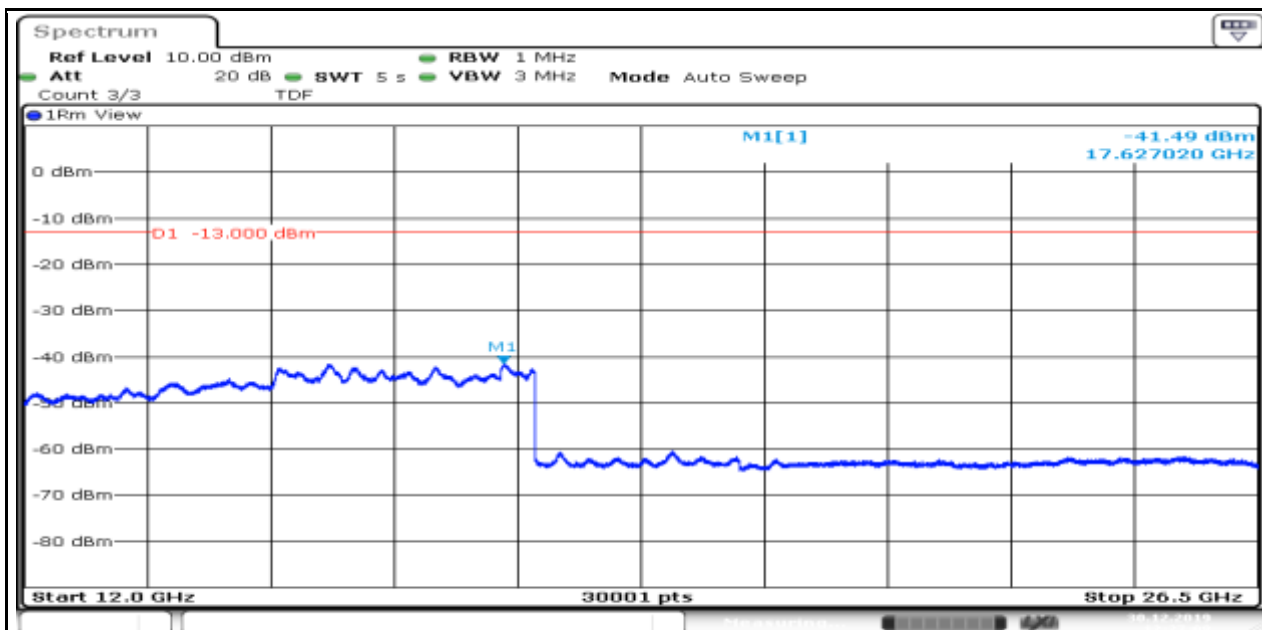


Band25_Stand-Alone_NaN_QPSK_26365_12@0_15kHz_12000_26500_12000~26500MHz@-41.42dBm_-13_PASS__

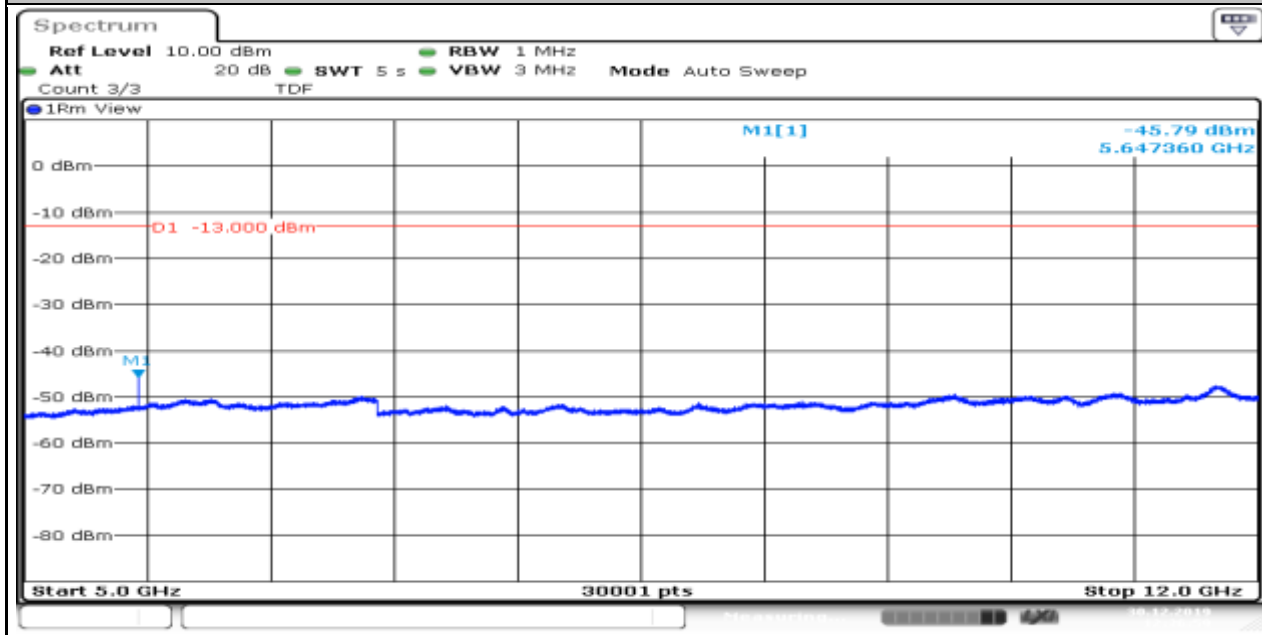


Band25_Stand-Alone_NaN_QPSK_26365_1@0_3.75kHz_12000_26500_12000~26500MHz@-41.49dBm_-13_PASS__

Produkte
Products

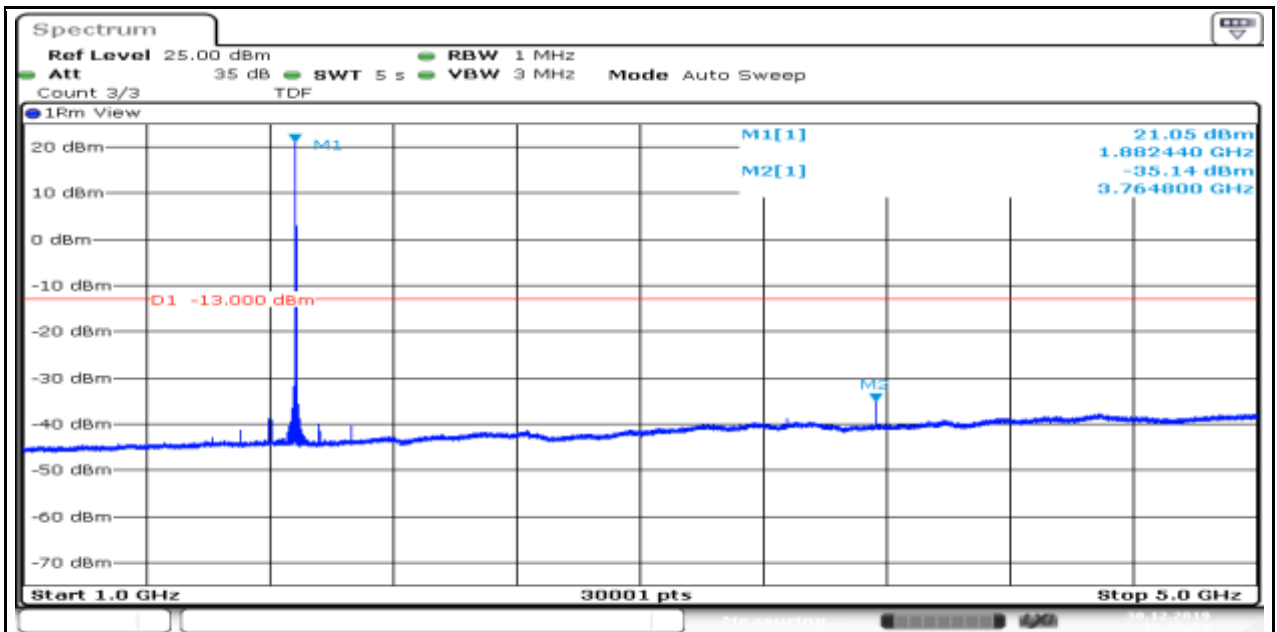


Band25_Stand-Alone_NaN_QPSK_26365_12@0_15kHz_5000_12000_5000~12000MHz@-45.79dBm_-13_PASS_

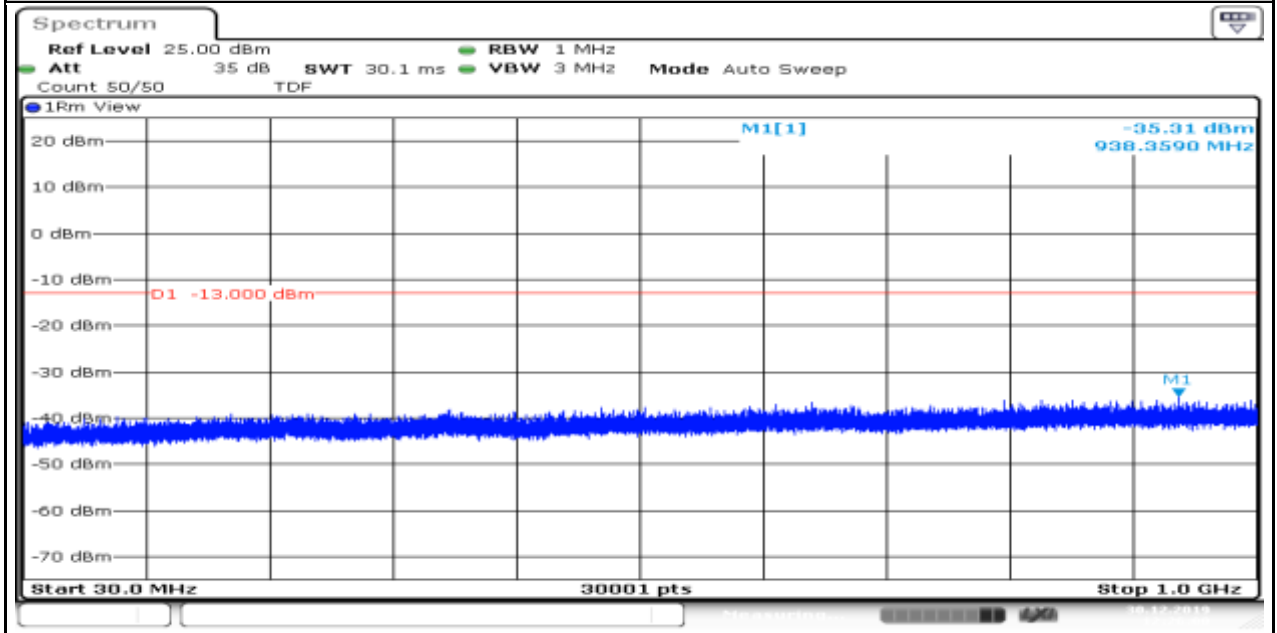


Band25_Stand-Alone_NaN_QPSK_26365_1@0_3.75kHz_1000_5000_1000~5000MHz@-35.14dBm_-13_PASS_

Produkte
Products

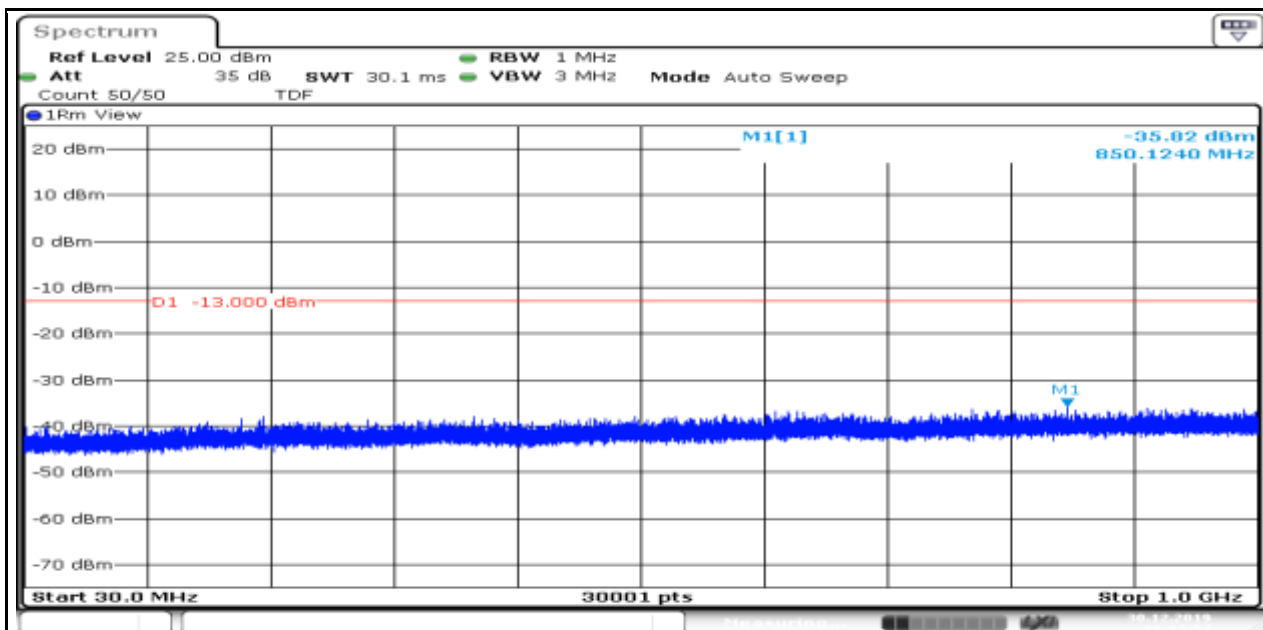


Band25_Stand-Alone_NaN_QPSK_26365_1@0_3.75kHz_30_1000_30~1000MHz@-35.31dBm_-13_PASS_



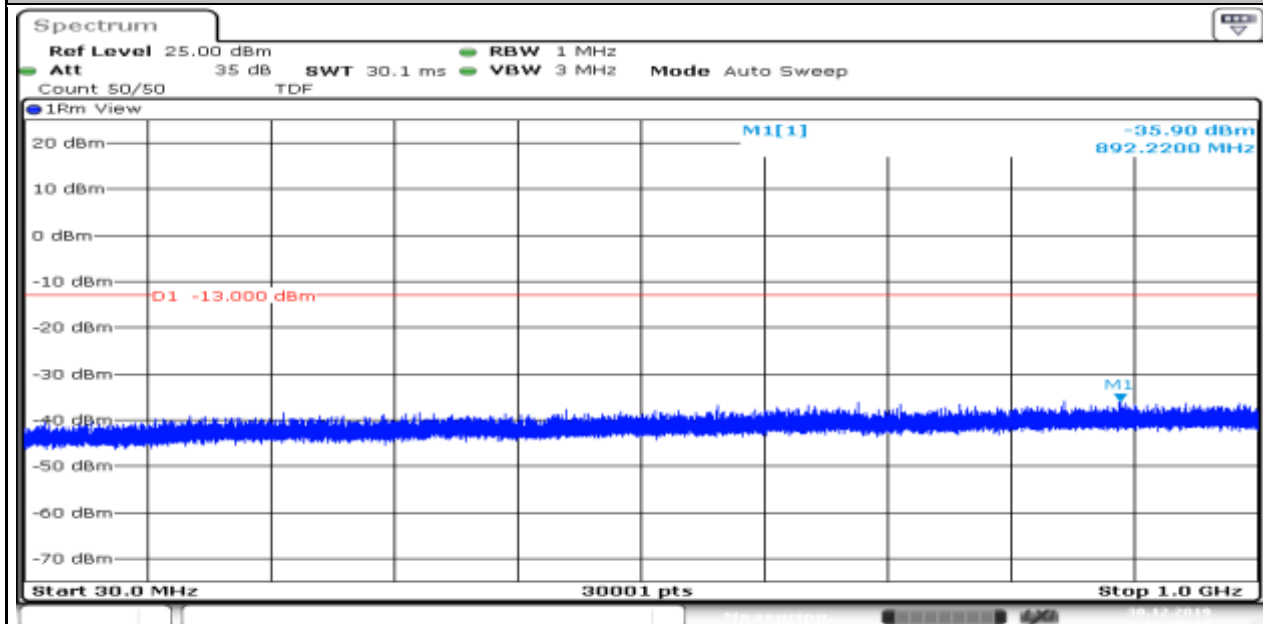
Band25_Stand-Alone_NaN_QPSK_26365_1@47_3.75kHz_30_1000_30~1000MHz@-35.82dBm_-13_PASS_

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Date: 30.DEC.2019 12:27:54

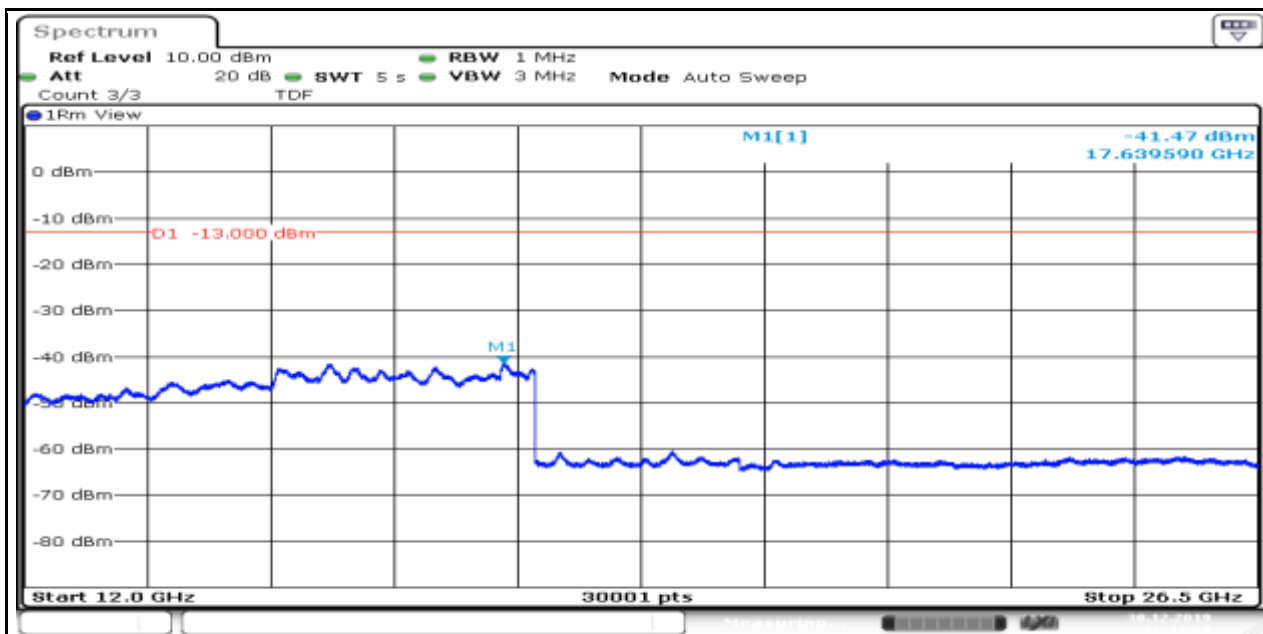
Band25_Stand-Alone_NaN_QPSK_26365_12@0_15kHz_30_1000_30~1000MHz@-35.9dBm_-13_PASS__



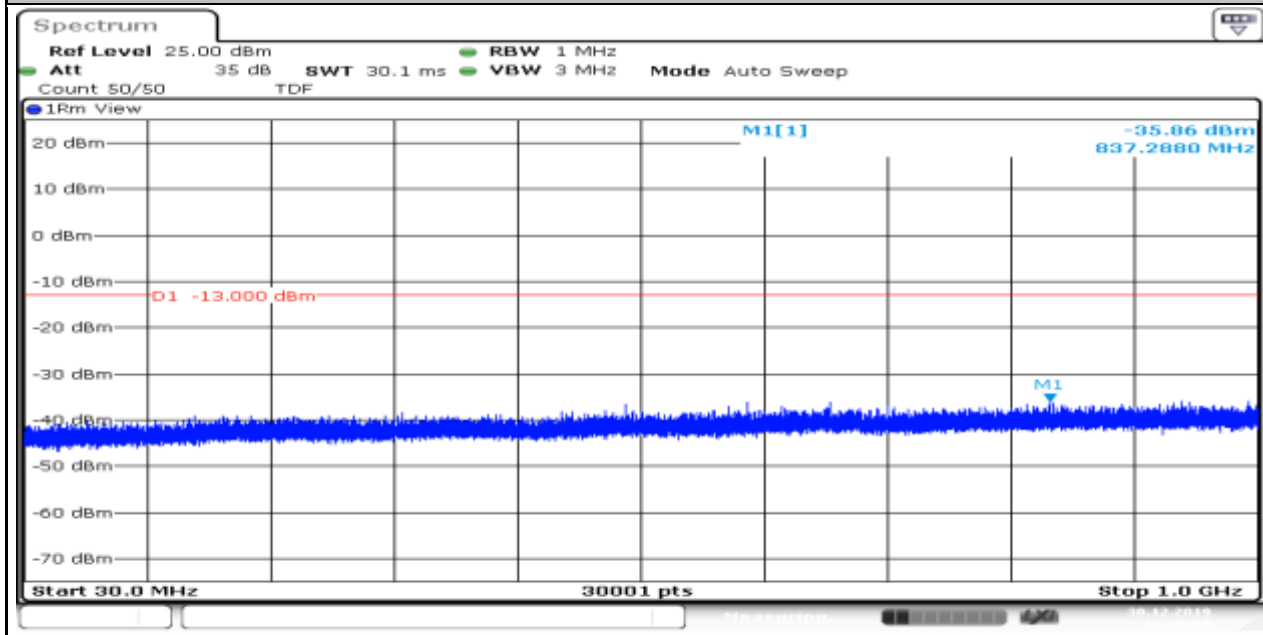
Date: 30.DEC.2019 12:36:13

Band25_Stand-Alone_NaN_QPSK_26689_1@0_3.75kHz_12000_26500_12000~26500MHz@-41.47dBm_-13_PASS__

Produkte
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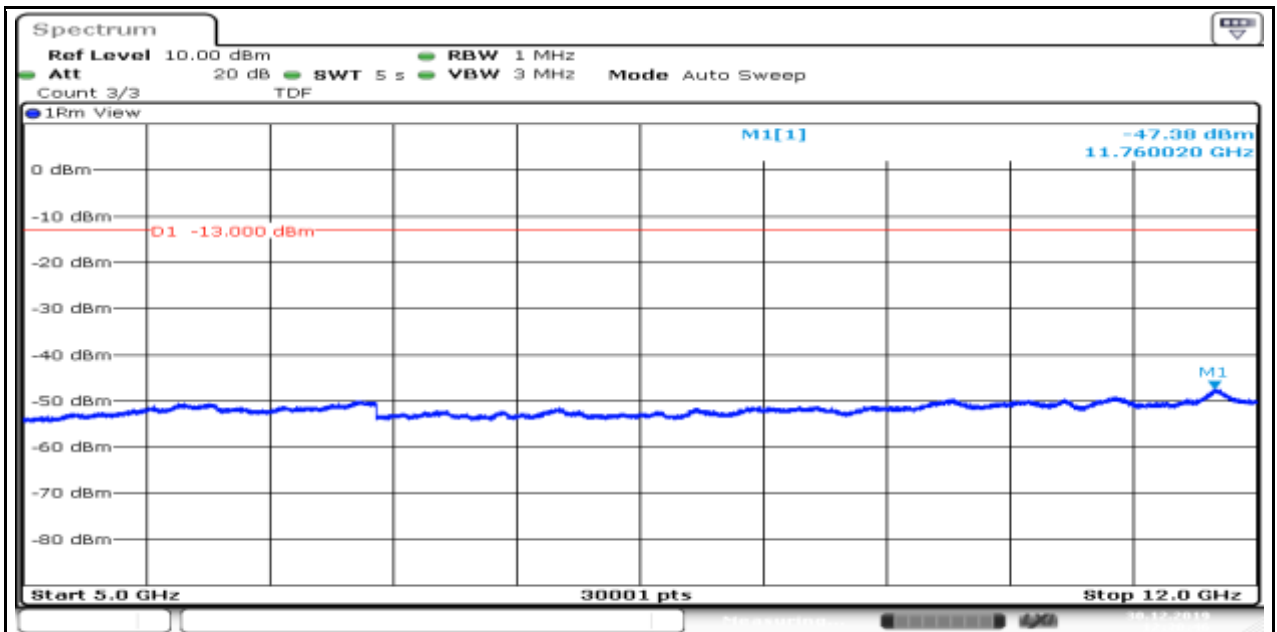


Band25_Stand-Alone_NaN_QPSK_26689_1@0_3.75kHz_30_1000_30~1000MHz@-35.86dBm_-13_PASS_

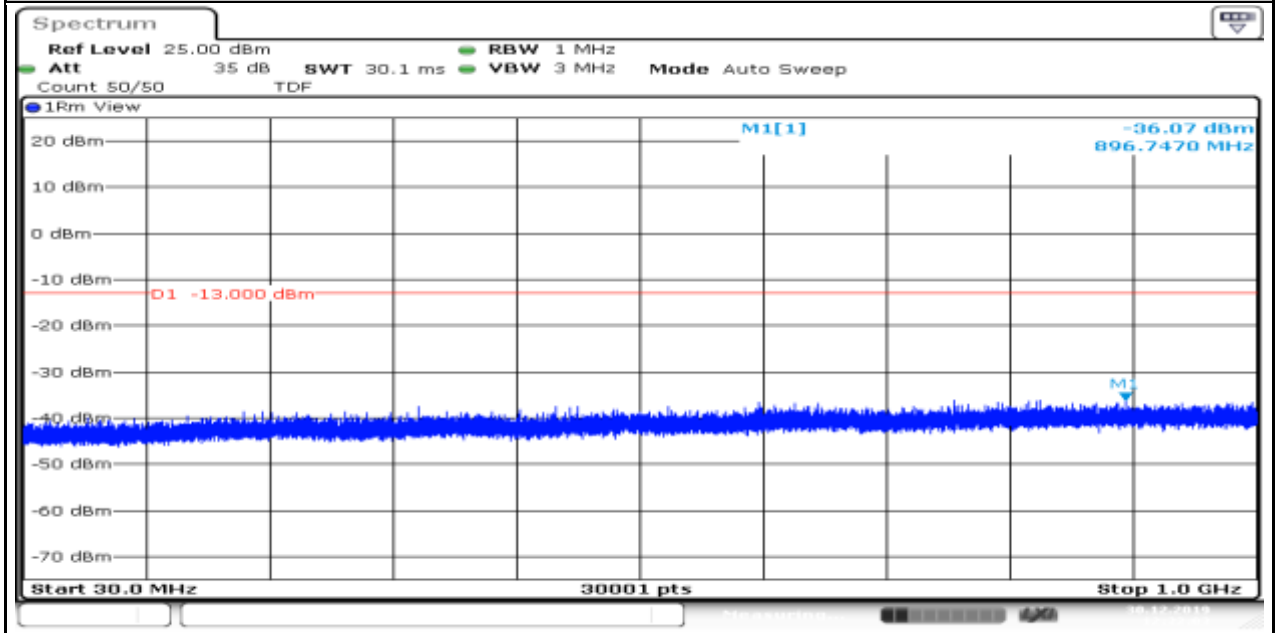


Band25_Stand-Alone_NaN_QPSK_26689_1@0_3.75kHz_5000_12000_5000~12000MHz@-47.38dBm_-13_PASS_

Produkte
Products

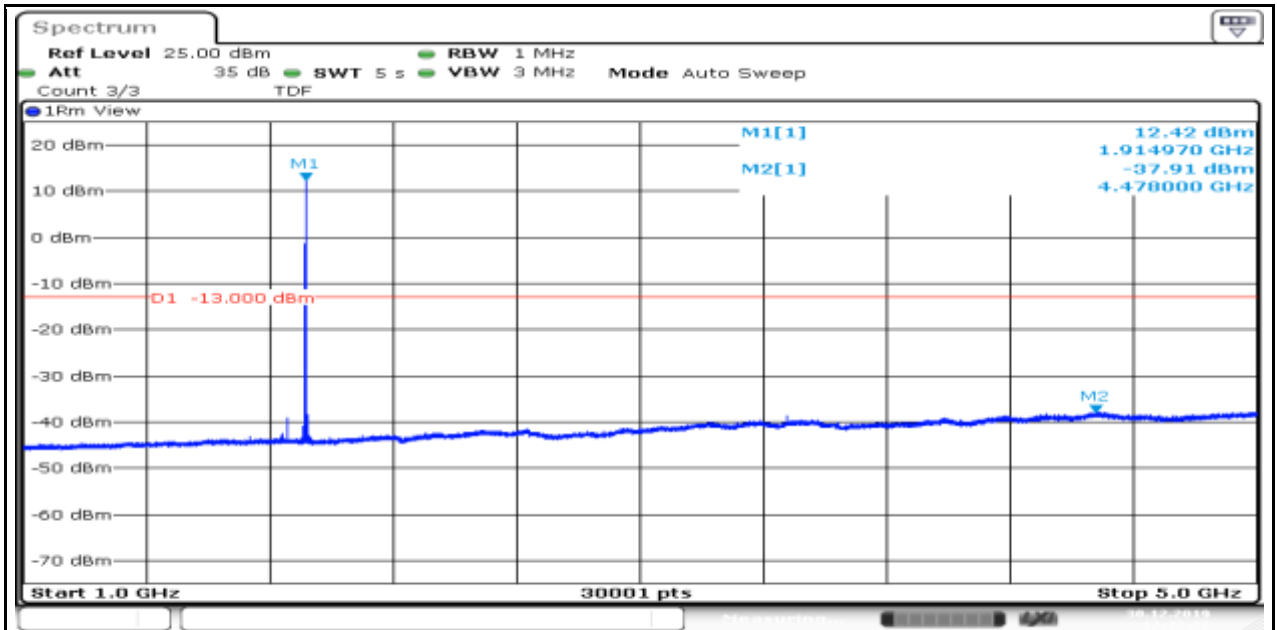


Band25_Stand-Alone_NaN_QPSK_26689_1@47_3.75kHz_30_1000_30~1000MHz@-36.07dBm_-13_PASS_

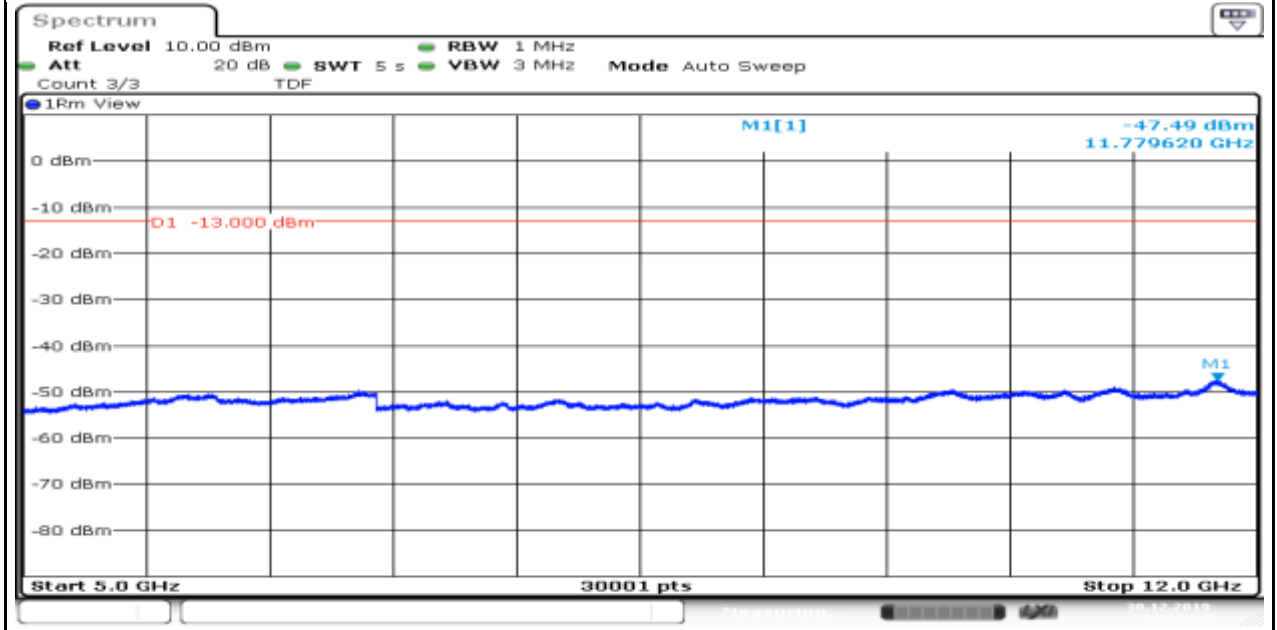


Band25_Stand-Alone_NaN_QPSK_26689_1@47_3.75kHz_1000_5000_1000~5000MHz@-37.91dBm_-13_PASS_

Produkte
Products

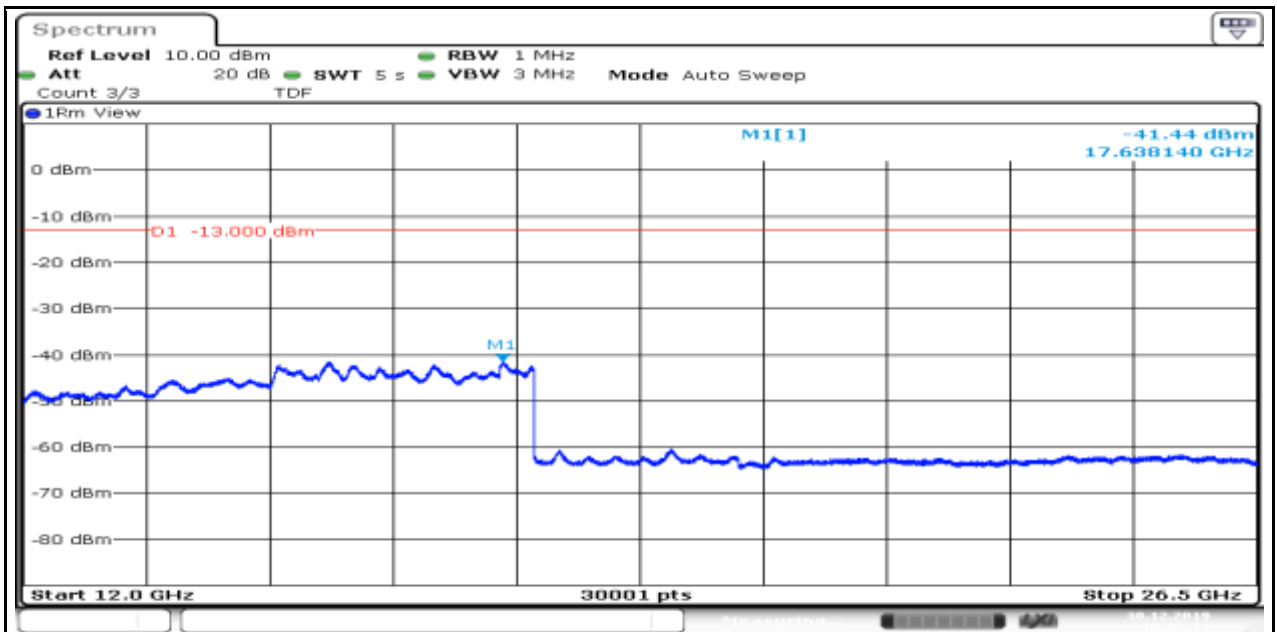


Band25_Stand-Alone_NaN_QPSK_26689_1@47_3.75kHz_5000_12000_5000~12000MHz@-47.49dBm_-13_PASS_

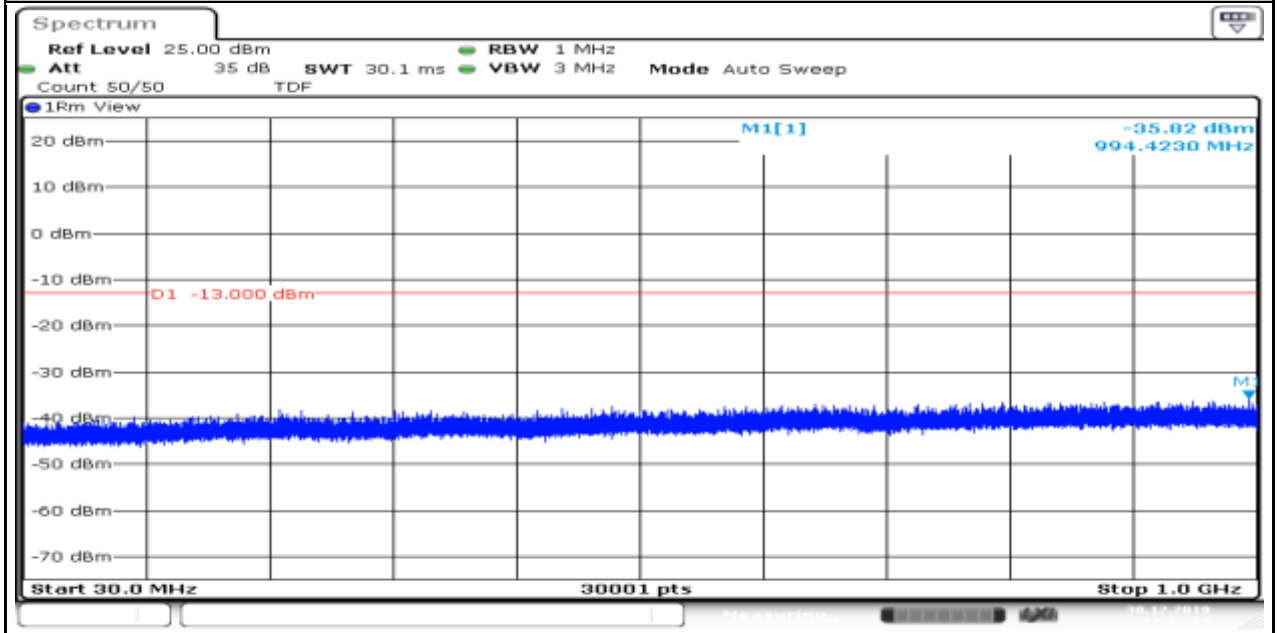


Band25_Stand-Alone_NaN_QPSK_26689_1@47_3.75kHz_12000_26500_12000~26500MHz@-41.44dBm_-13_PASS_

Produkte
Products

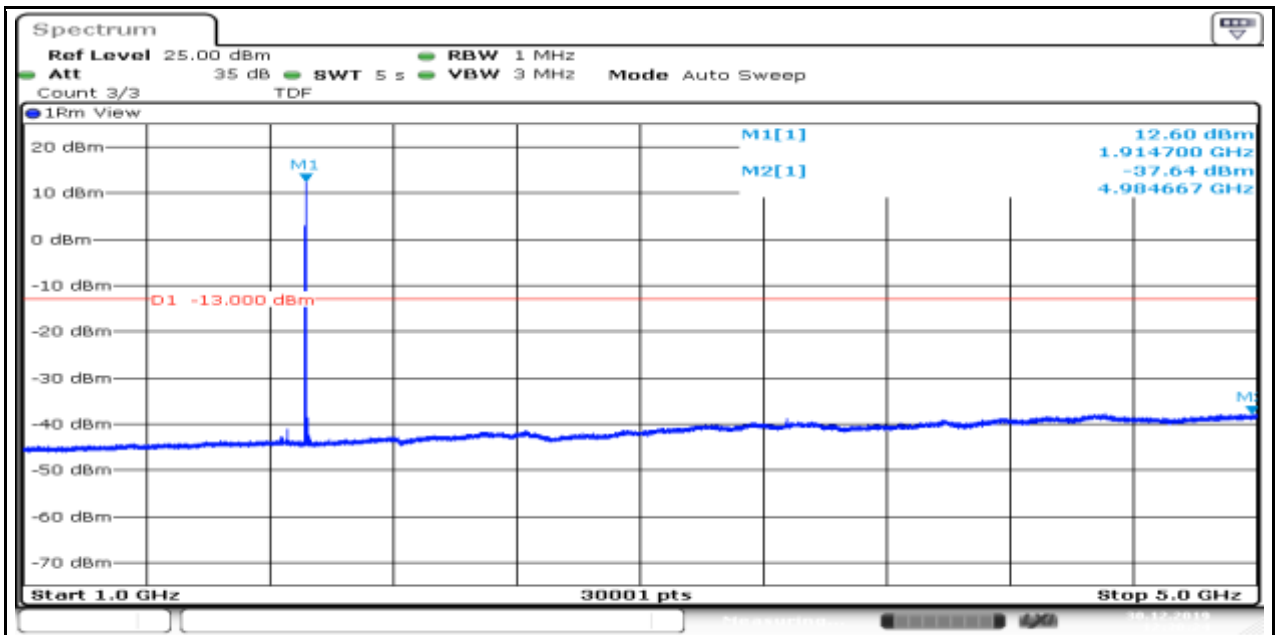


Band25_Stand-Alone_NaN_QPSK_26689_12@0_15kHz_30_1000_30~1000MHz@-35.82dBm_-13_PASS__

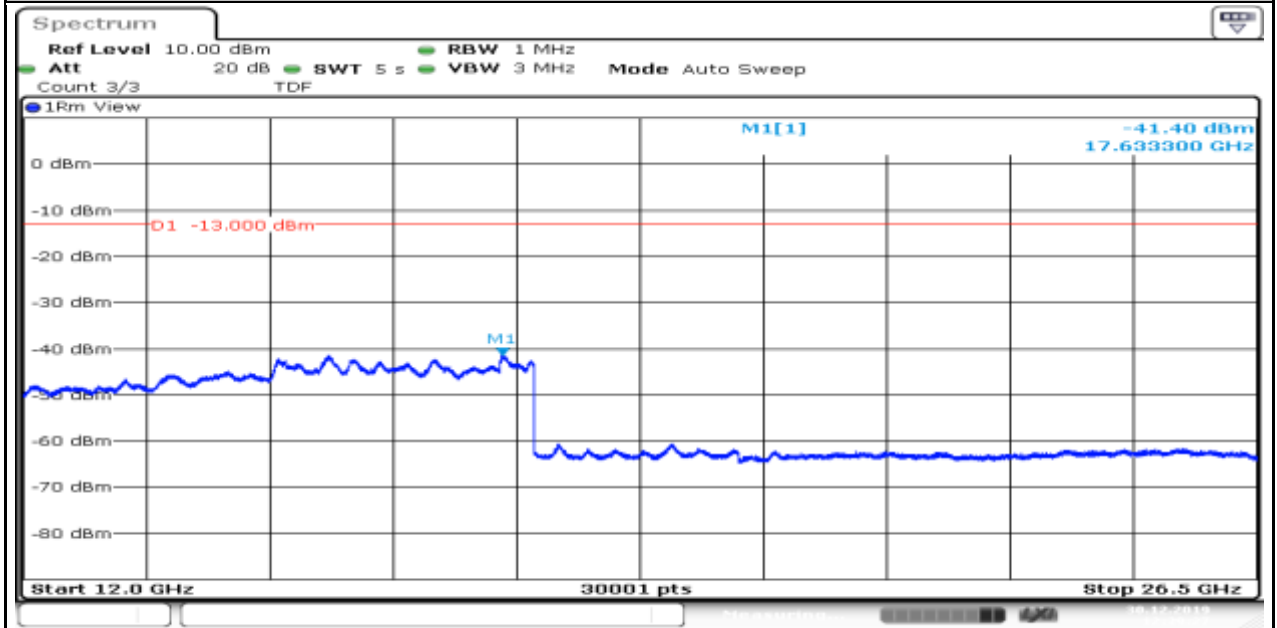


Band25_Stand-Alone_NaN_QPSK_26689_1@0_3.75kHz_1000_5000_1000~5000MHz@-37.64dBm_-13_PASS__

Produkte
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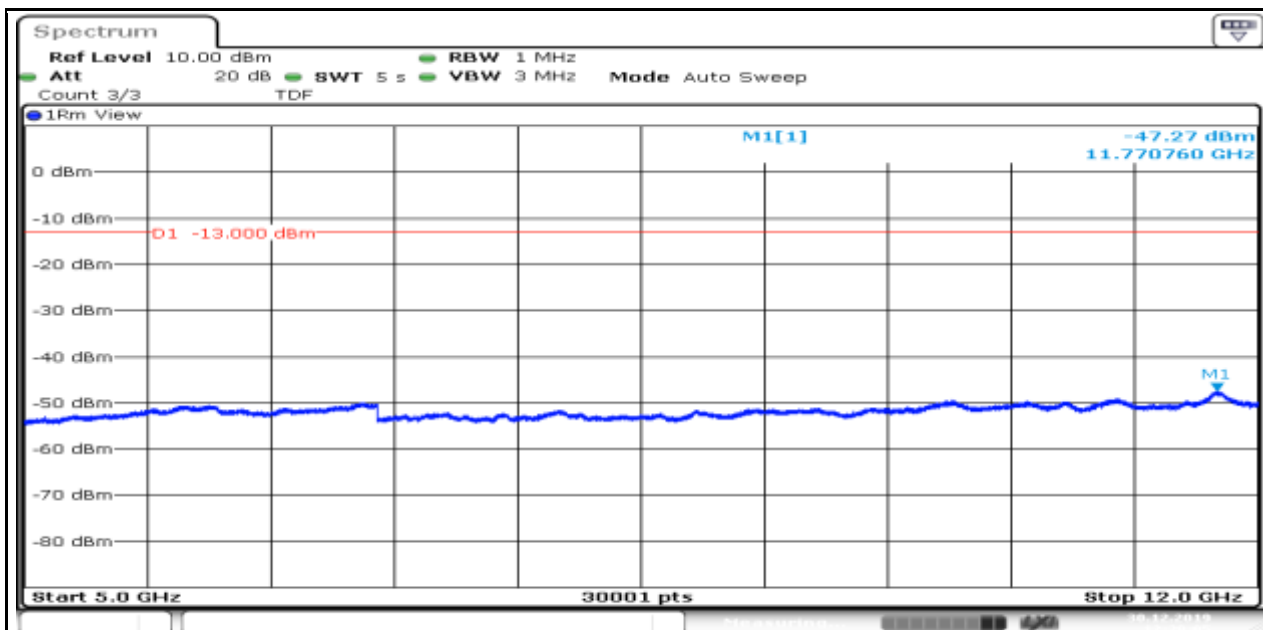


Band25_Stand-Alone_NaN_QPSK_26689_12@0_15kHz_12000_26500_12000~26500MHz@-41.4dBm_-13_PASS

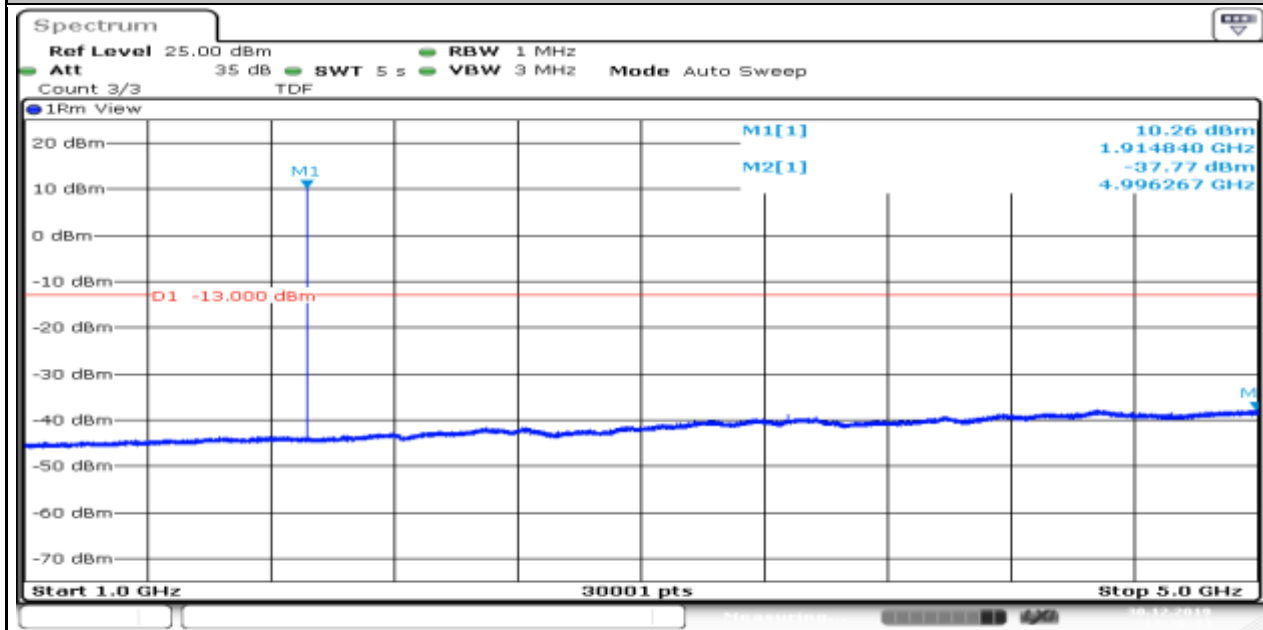


Band25_Stand-Alone_NaN_QPSK_26689_12@0_15kHz_5000_12000_5000~12000MHz@-47.27dBm_-13_PASS

Produkte
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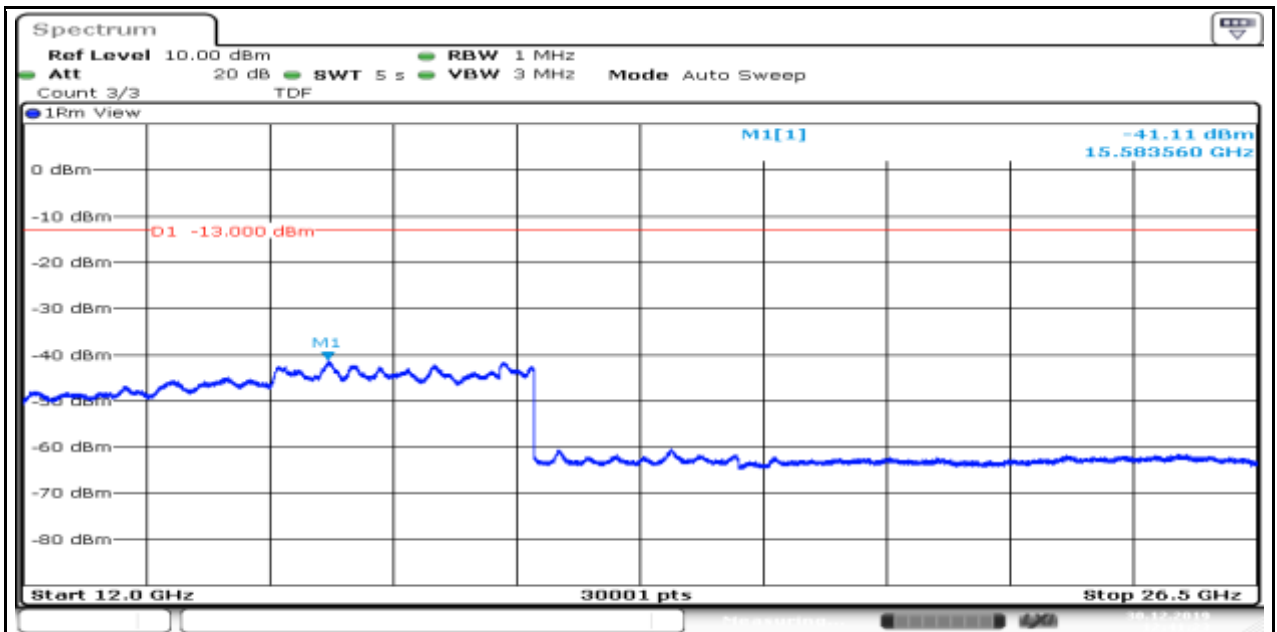


Band25_Stand-Alone_NaN_QPSK_26689_12@0_15kHz_1000_5000_1000~5000MHz@-37.77dBm_-13_PASS_



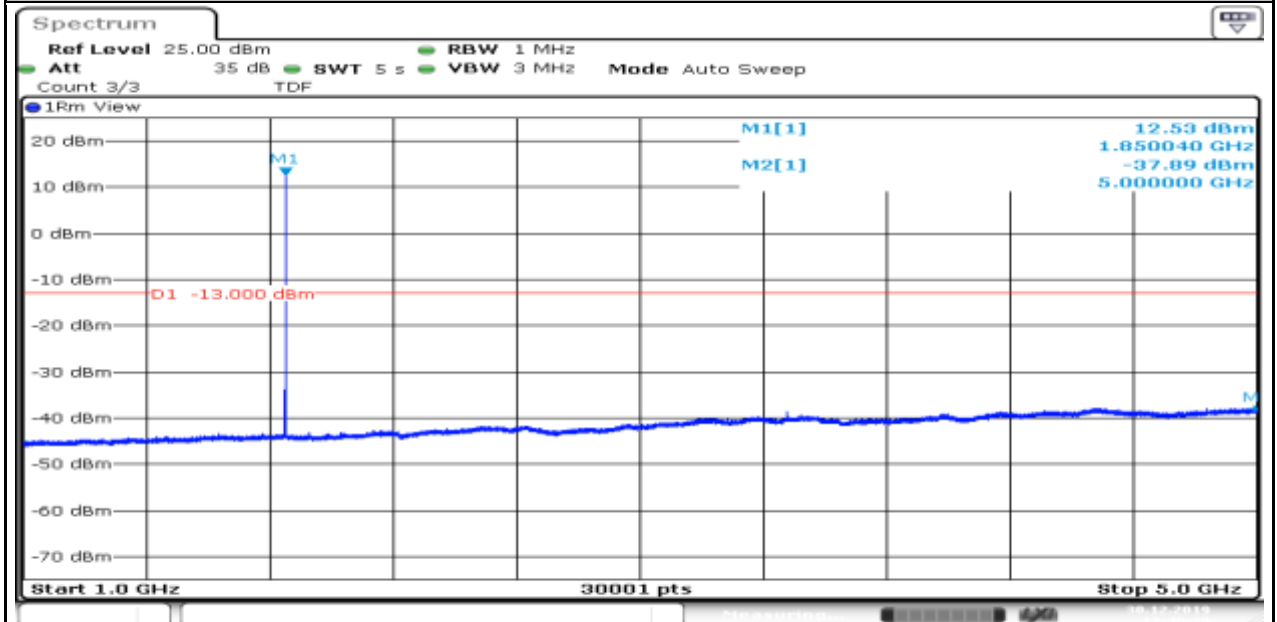
Band25_Stand-Alone_NaN_BPSK_26041_1@0_15kHz_12000_26500_12000~26500MHz@-41.11dBm_-13_PASS_

Produkte
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Date: 30.DEC.2019 12:41:23

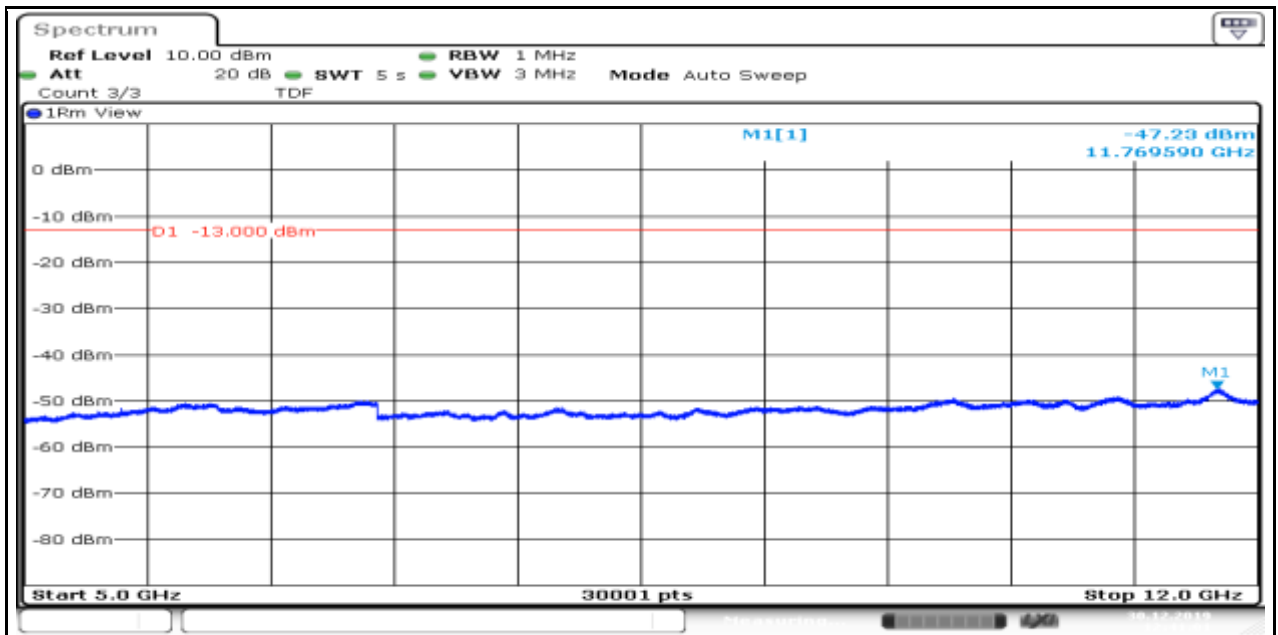
Band25_Stand-Alone_NaN_BPSK_26041_1@0_15kHz_1000_5000_1000-5000MHz@-37.89dBm_-13_PASS_



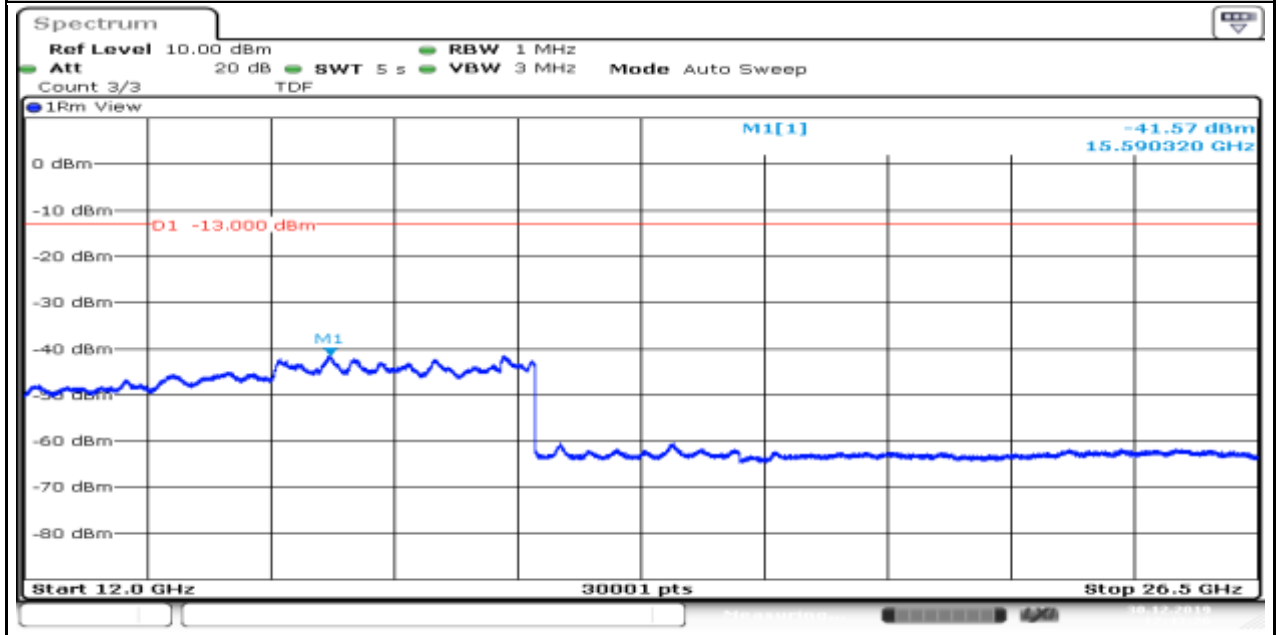
Date: 30.DEC.2019 12:40:39

Band25_Stand-Alone_NaN_BPSK_26041_1@0_15kHz_5000_12000_5000-12000MHz@-47.23dBm_-13_PASS_

Produkte
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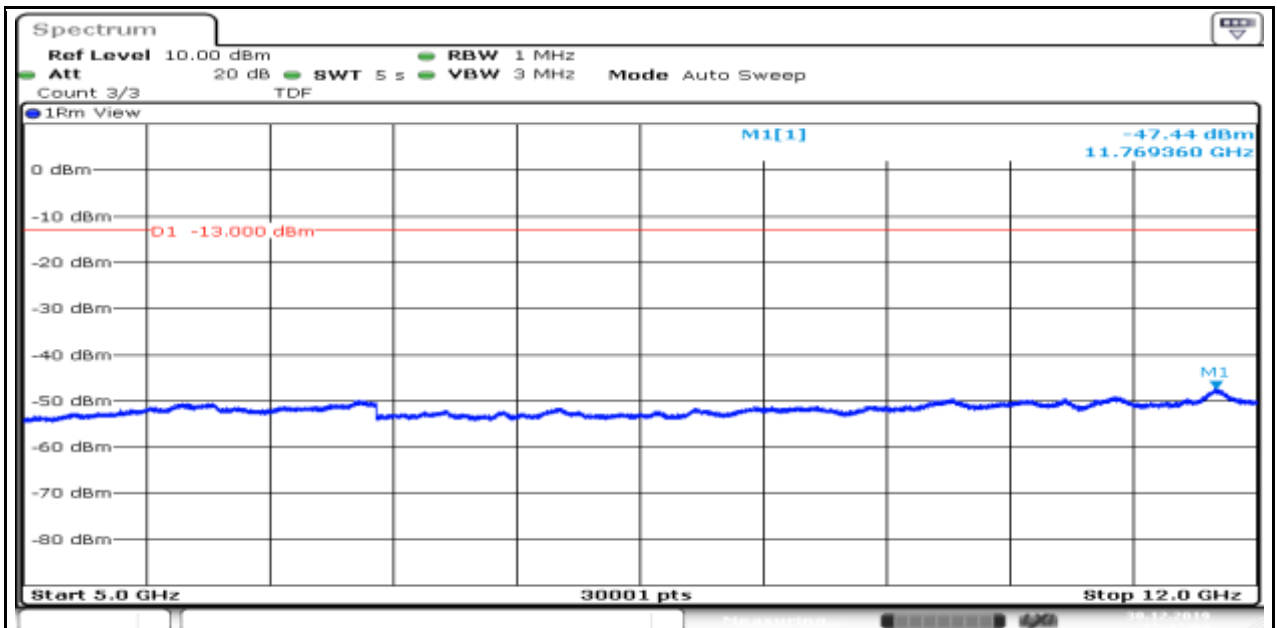


Band25_Stand-Alone_NaN_BPSK_26041_1@11_15kHz_12000_26500_12000~-26500MHz@-41.57dBm_-13_PASS_

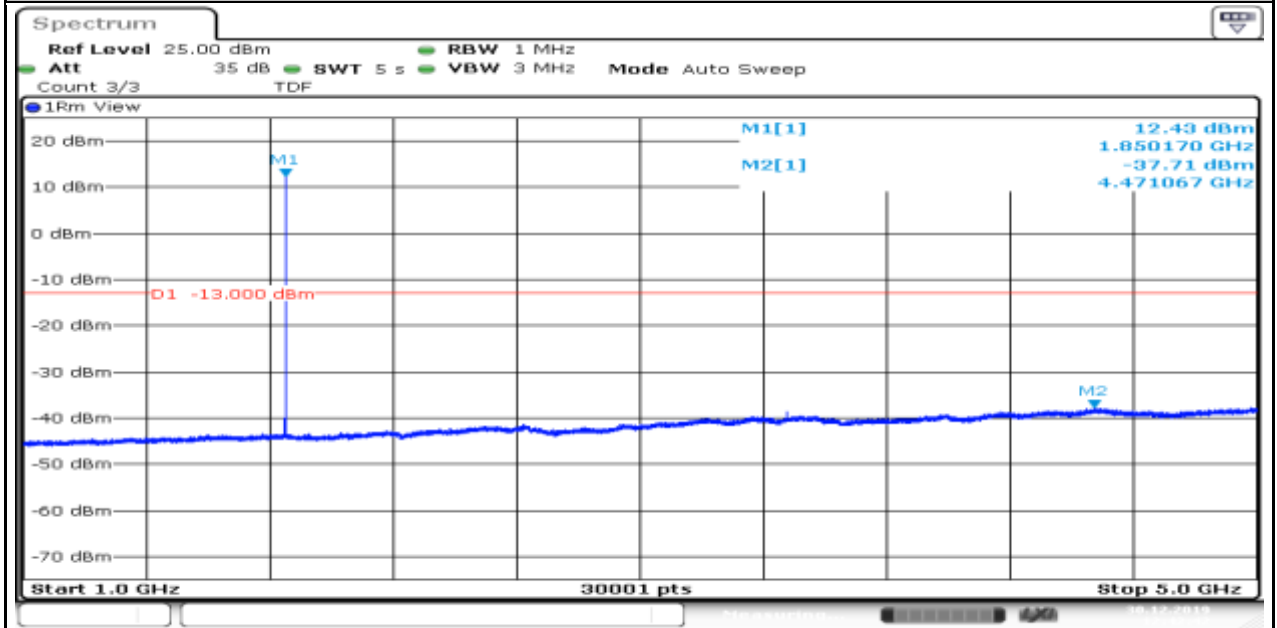


Band25_Stand-Alone_NaN_BPSK_26041_1@11_15kHz_5000_12000_5000~-12000MHz@-47.44dBm_-13_PASS_

Produkte
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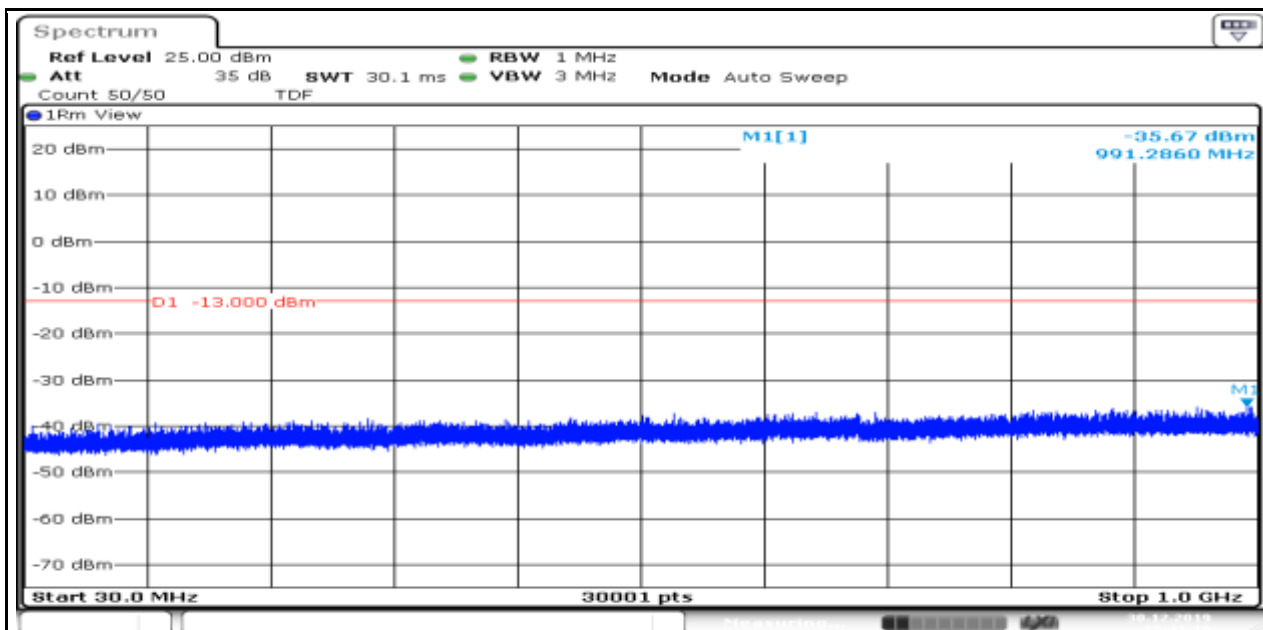


Band25_Stand-Alone_NaN_BPSK_26041_1@11_15kHz_1000_5000_1000~5000MHz@-37.71dBm_-13_PASS_

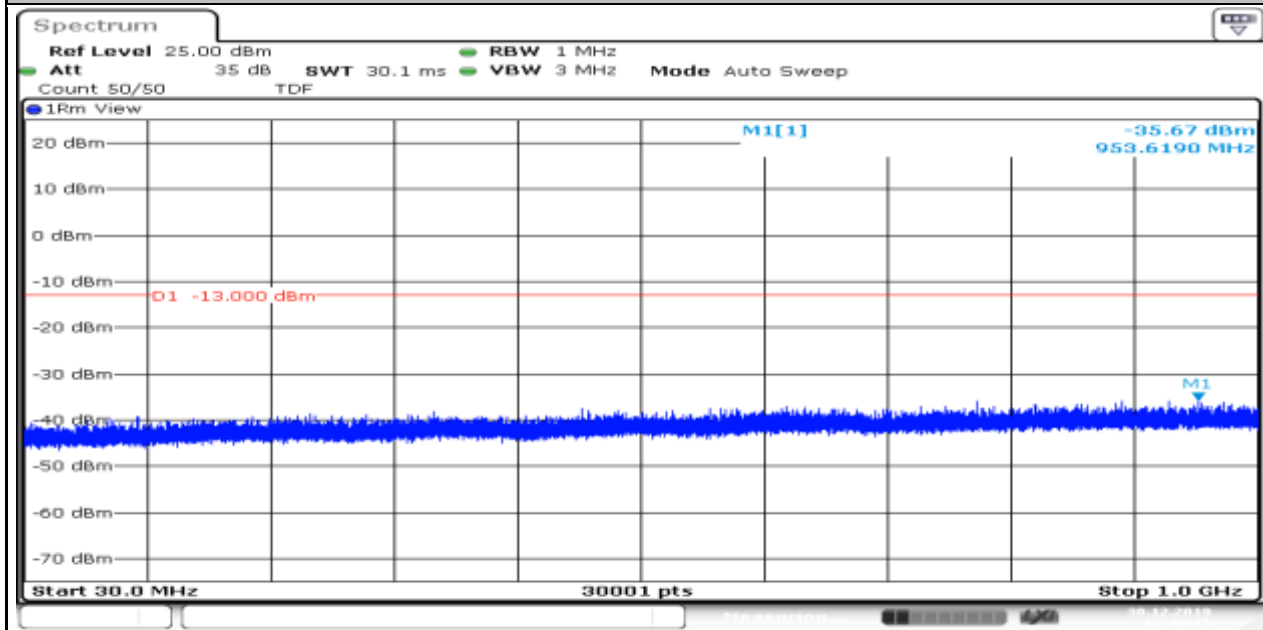


Band25_Stand-Alone_NaN_BPSK_26041_1@11_15kHz_30_1000_30~1000MHz@-35.67dBm_-13_PASS_

Produkte
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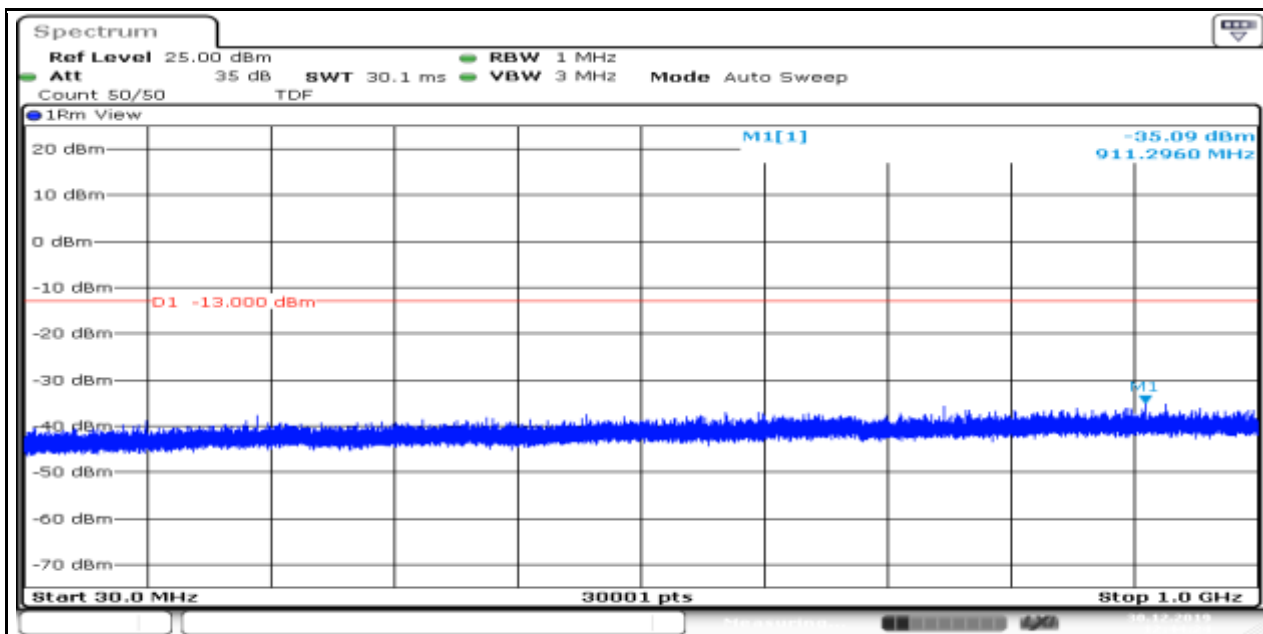


Band25_Stand-Alone_NaN_BPSK_26041_1@0_15kHz_30_1000_30~1000MHz@-35.67dBm_-13_PASS_



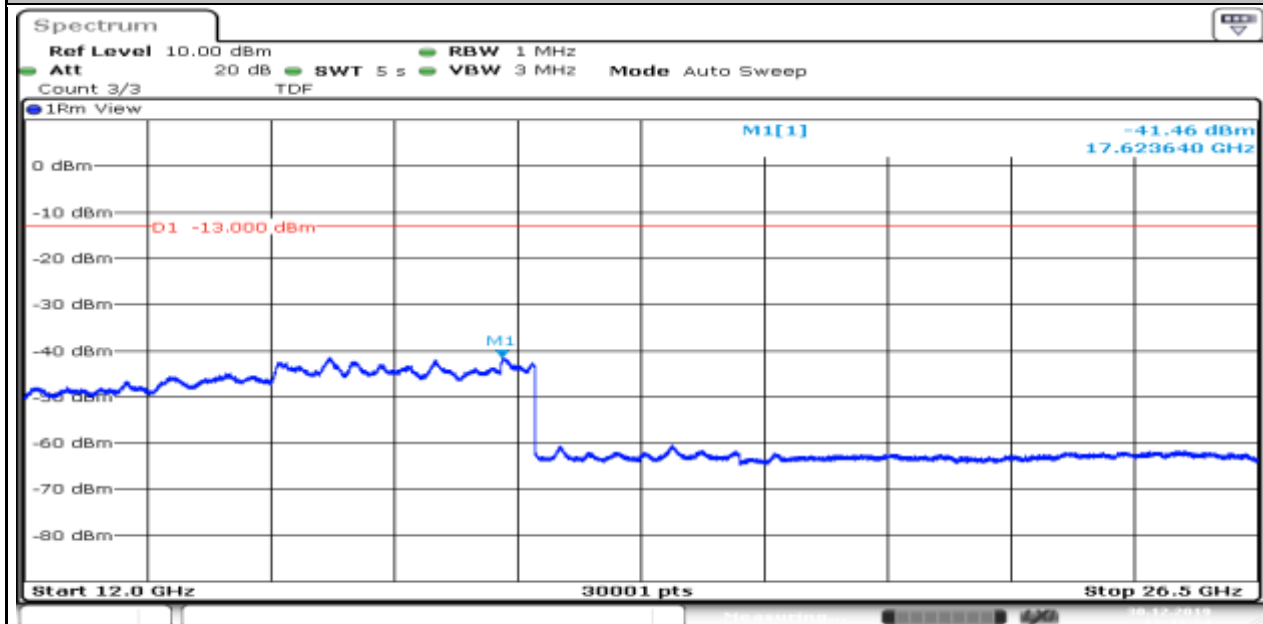
Band25_Stand-Alone_NaN_BPSK_26365_1@0_15kHz_30_1000_30~1000MHz@-35.09dBm_-13_PASS_

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Date: 30.DEC.2019 12:44:24

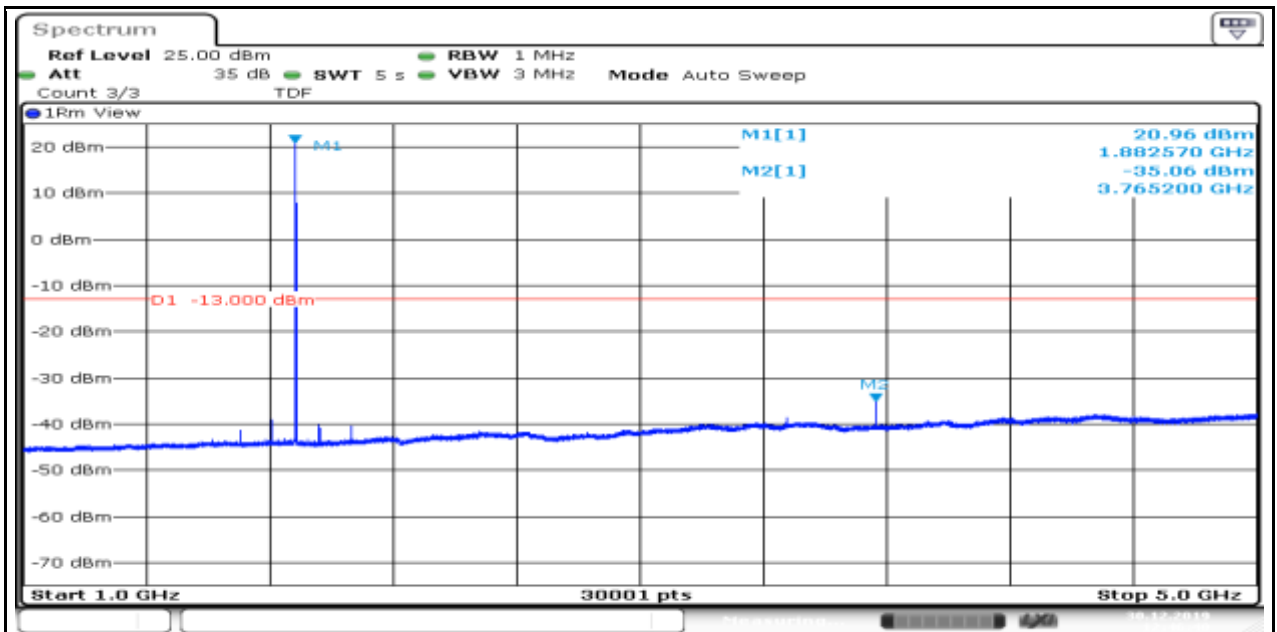
Band25_Stand-Alone_NaN_BPSK_26365_1@11_15kHz_12000_26500_12000-26500MHz@-41.46dBm_-13_PASS__



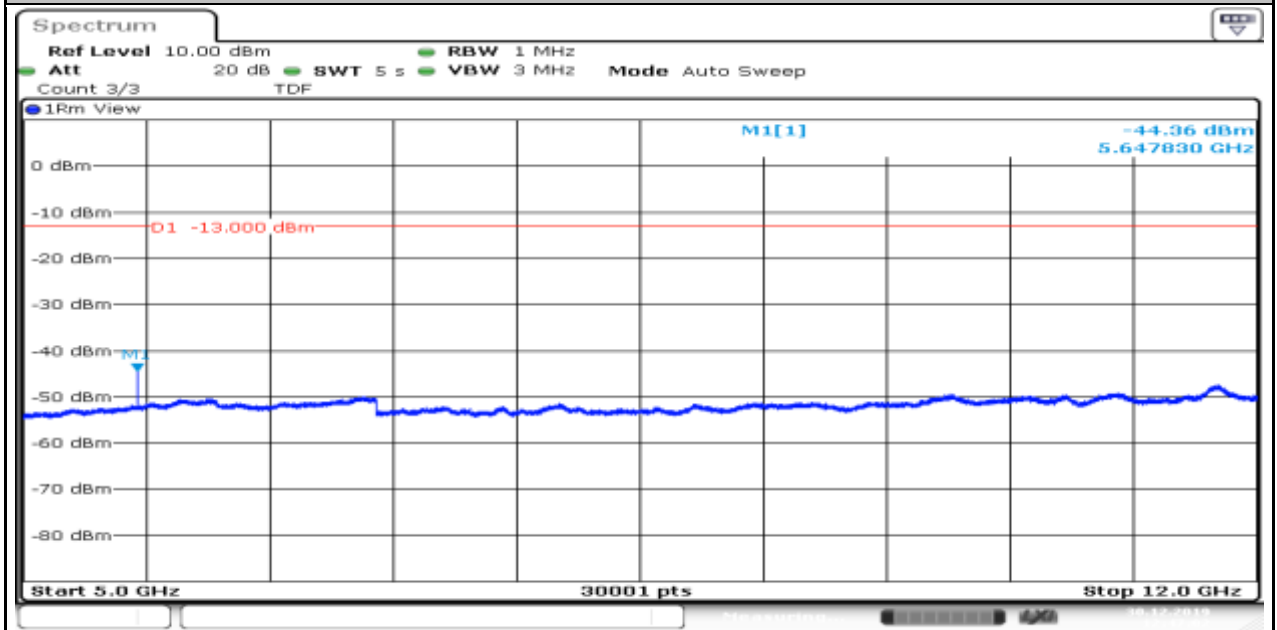
Date: 30.DEC.2019 12:47:24

Band25_Stand-Alone_NaN_BPSK_26365_1@11_15kHz_1000_5000_1000-5000MHz@-35.06dBm_-13_PASS__

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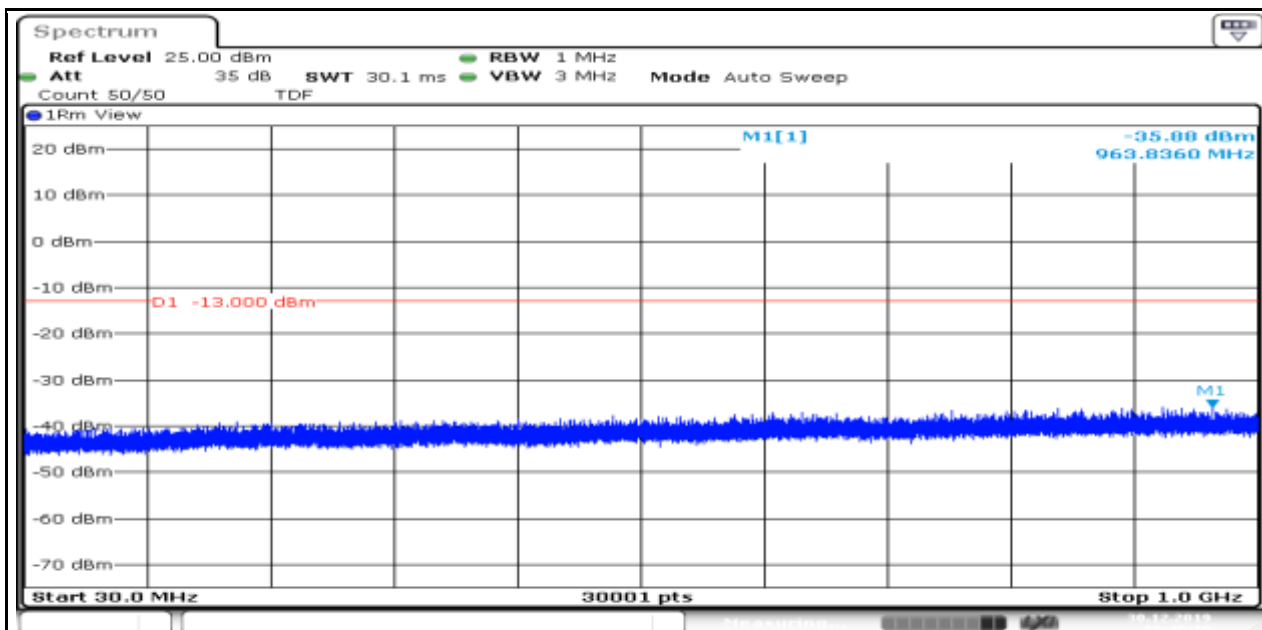


Band25_Stand-Alone_NaN_BPSK_26365_1@11_15kHz_5000_12000_5000~12000MHz@-44.36dBm_-13_PASS_

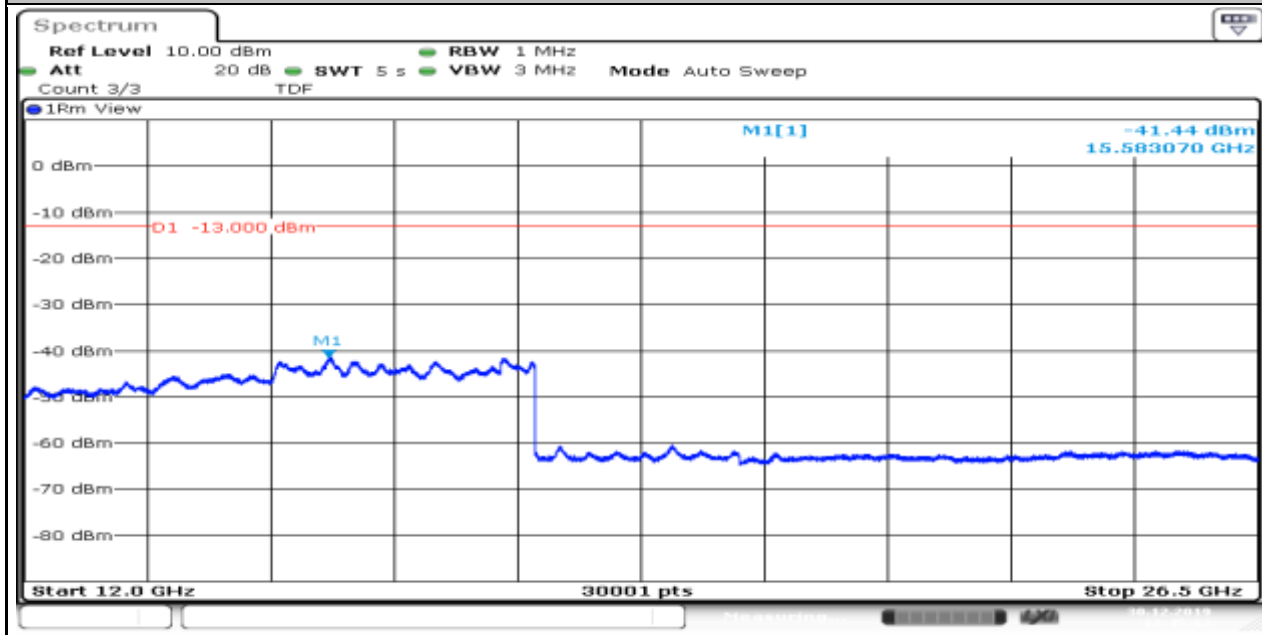


Band25_Stand-Alone_NaN_BPSK_26365_1@11_15kHz_30_1000_30~1000MHz@-35.88dBm_-13_PASS_

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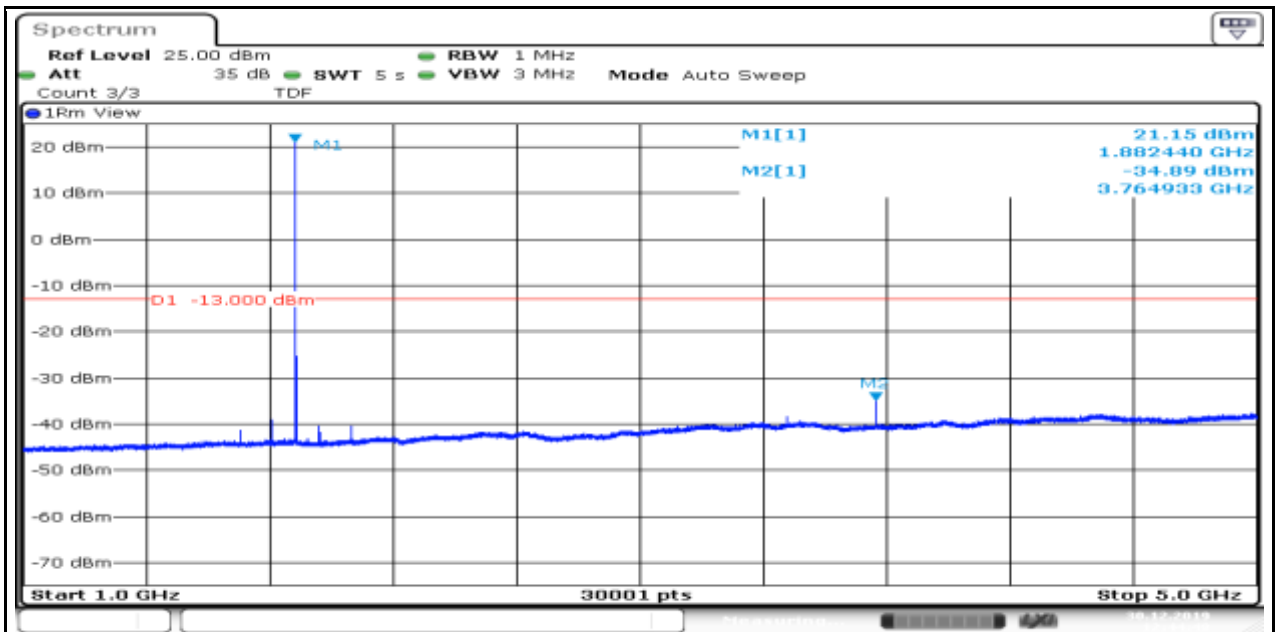


Band25_Stand-Alone_NaN_BPSK_26365_1@0_15kHz_12000_26500_12000~26500MHz@-41.44dBm_-13_PASS

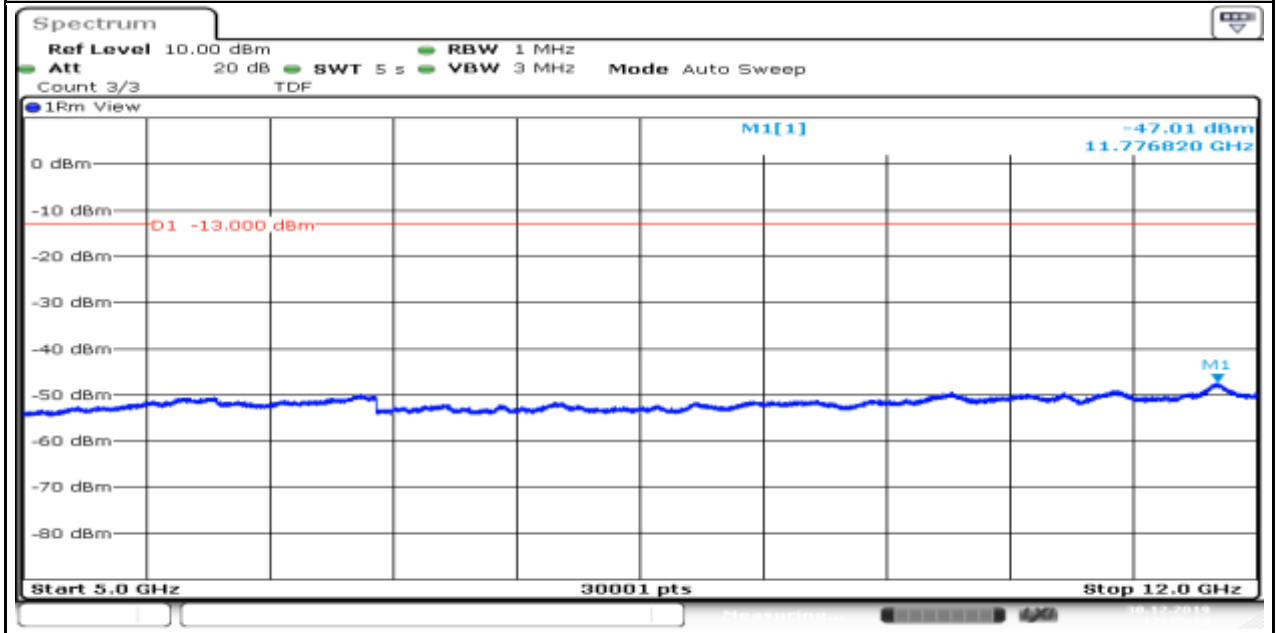


Band25_Stand-Alone_NaN_BPSK_26365_1@0_15kHz_1000_5000_1000~5000MHz@-34.89dBm_-13_PASS

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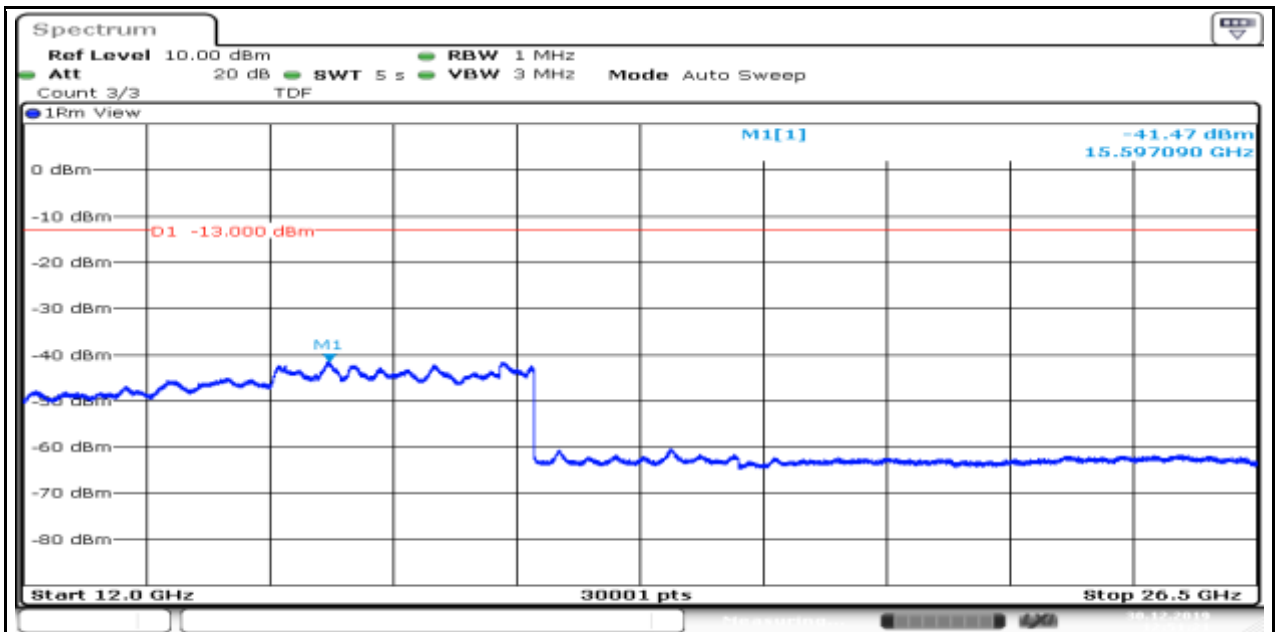


Band25_Stand-Alone_NaN_BPSK_26365_1@@0_15kHz_5000_12000_5000-12000MHz@-47.01dBm_-13_PASS_

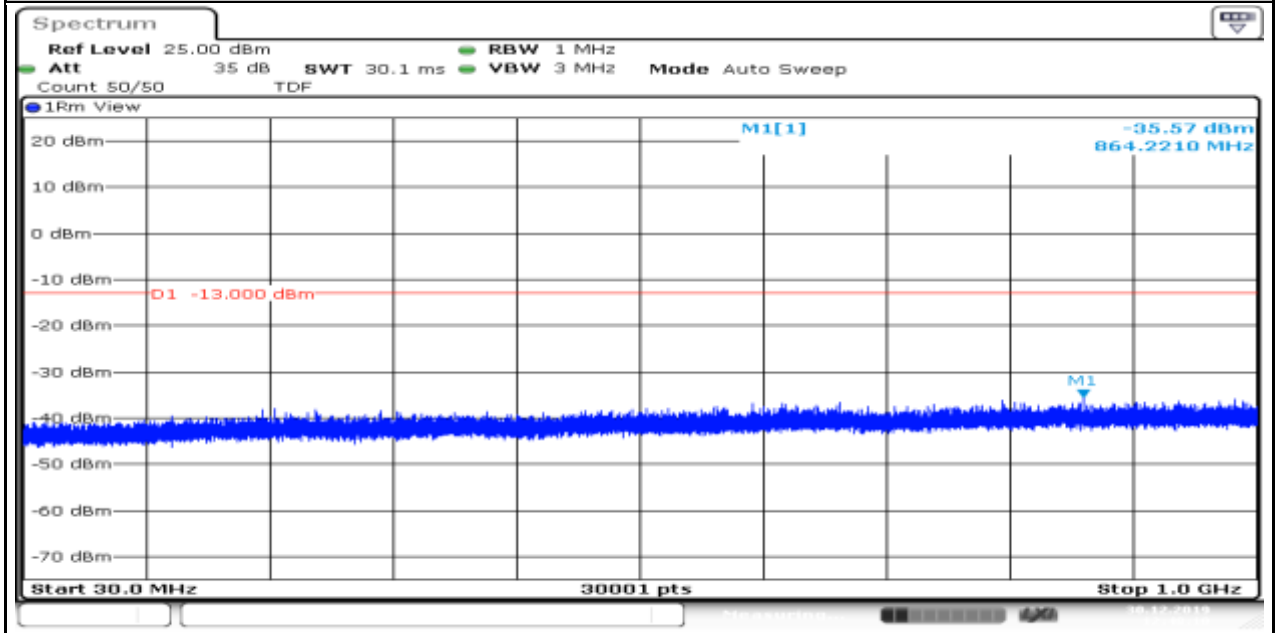


Band25_Stand-Alone_NaN_BPSK_26689_1@11_15kHz_12000_26500_12000-26500MHz@-41.47dBm_-13_PASS_

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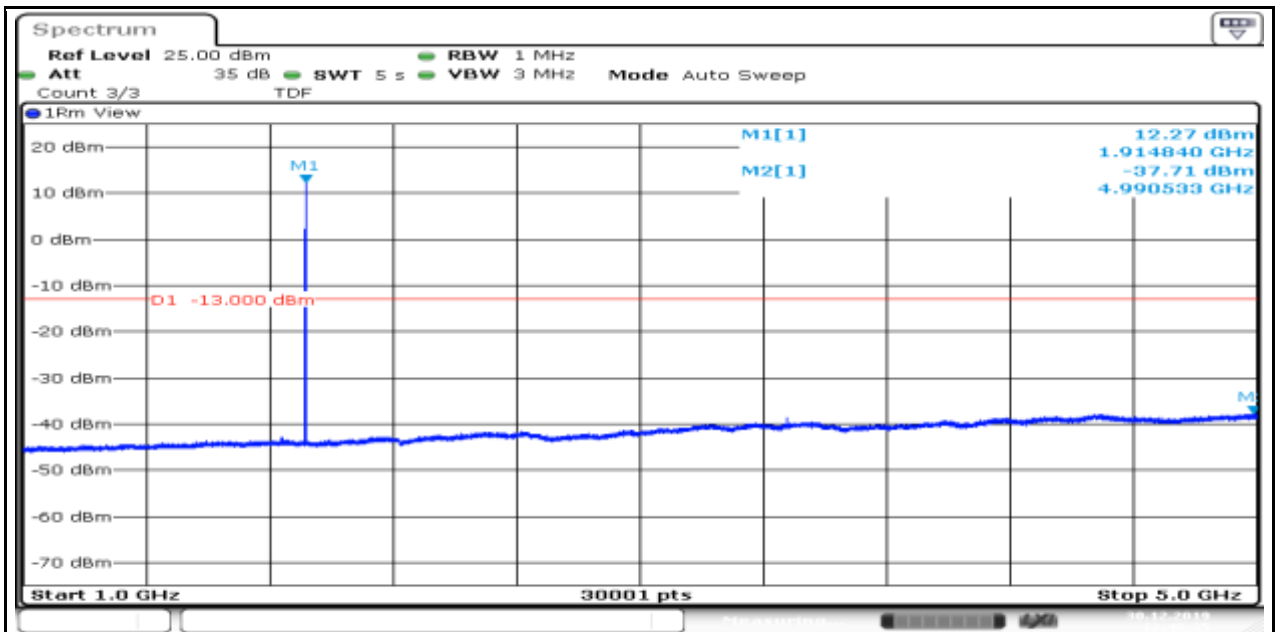


Band25_Stand-Alone_NaN_BPSK_26689_1@0_15kHz_30_1000_30~1000MHz@-35.57dBm_-13_PASS_



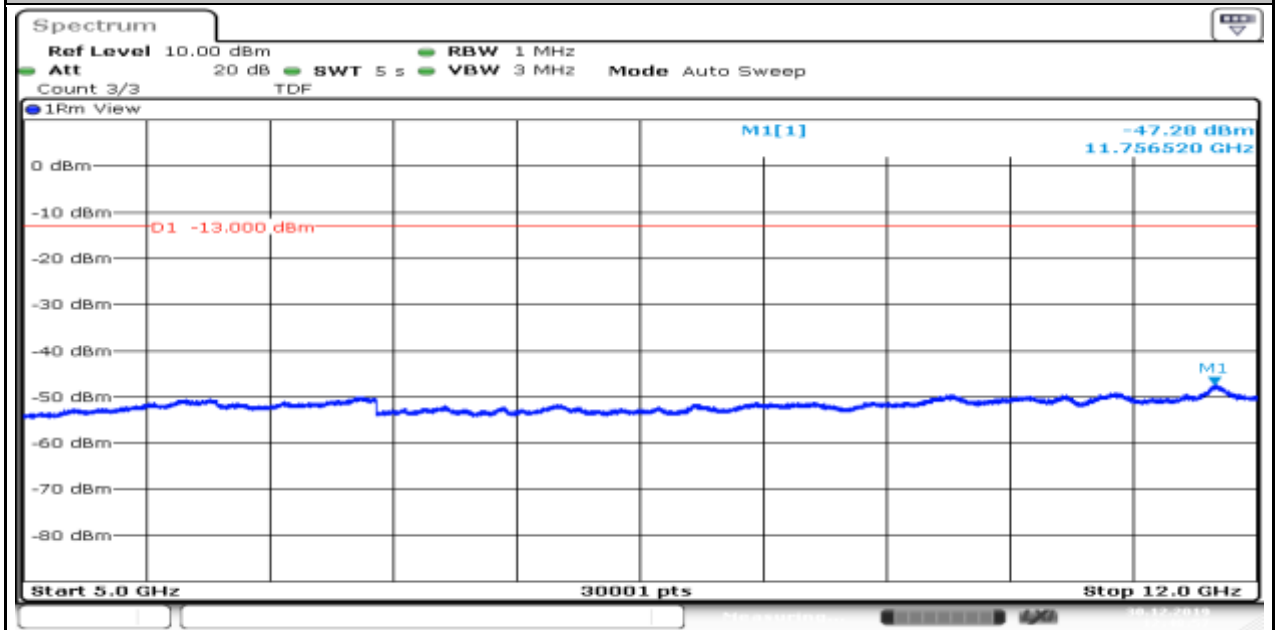
Band25_Stand-Alone_NaN_BPSK_26689_1@0_15kHz_1000_5000_1000~5000MHz@-37.71dBm_-13_PASS_

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Date: 30.DEC.2019 12:48:34

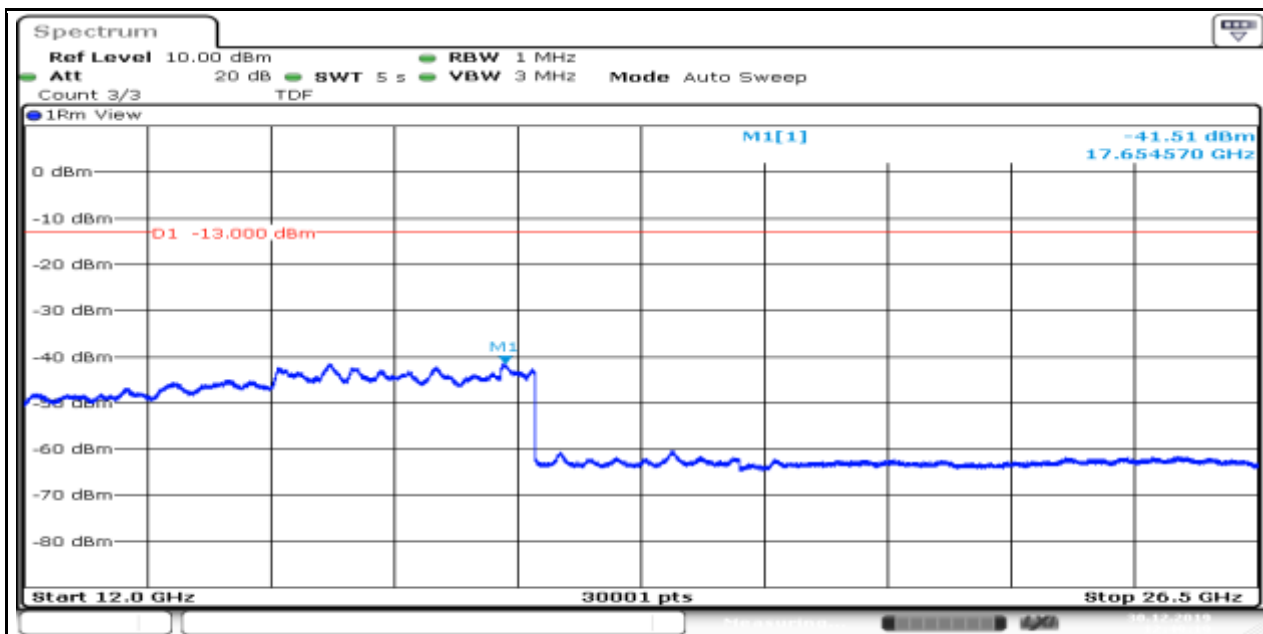
Band25_Stand-Alone_NaN_BPSK_26689_1@@0_15kHz_5000_12000_5000-12000MHz@-47.28dBm_-13_PASS_



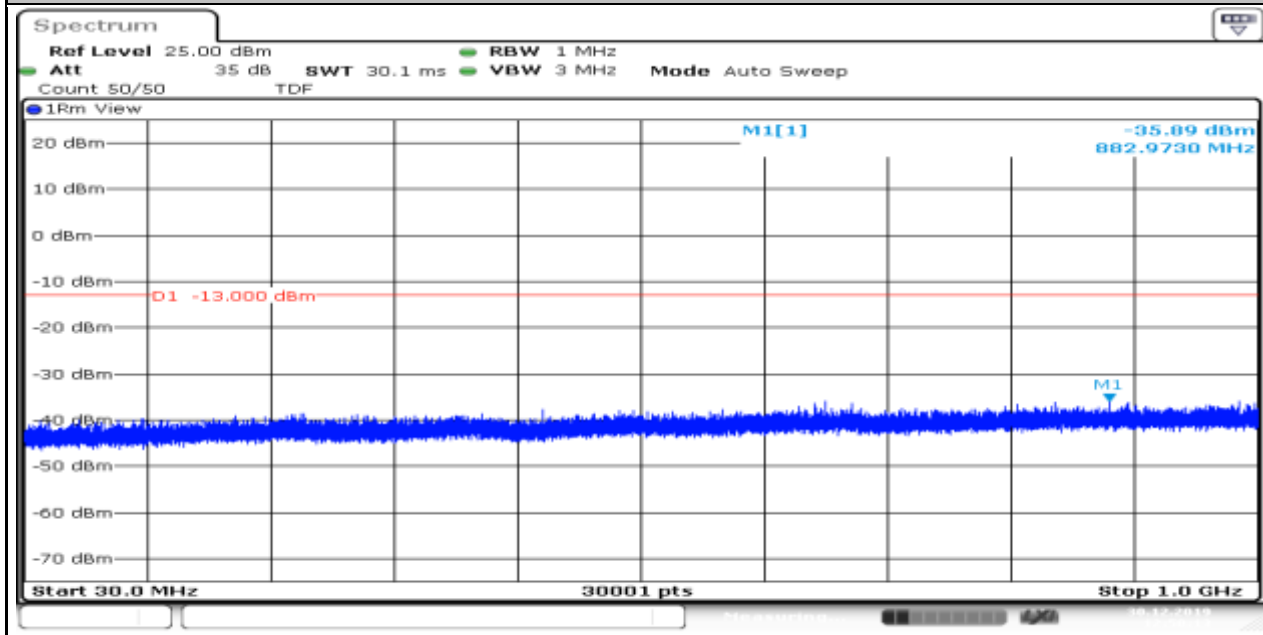
Date: 30.DEC.2019 12:48:57

Band25_Stand-Alone_NaN_BPSK_26689_1@@0_15kHz_12000_26500_12000-26500MHz@-41.51dBm_-13_PASS_

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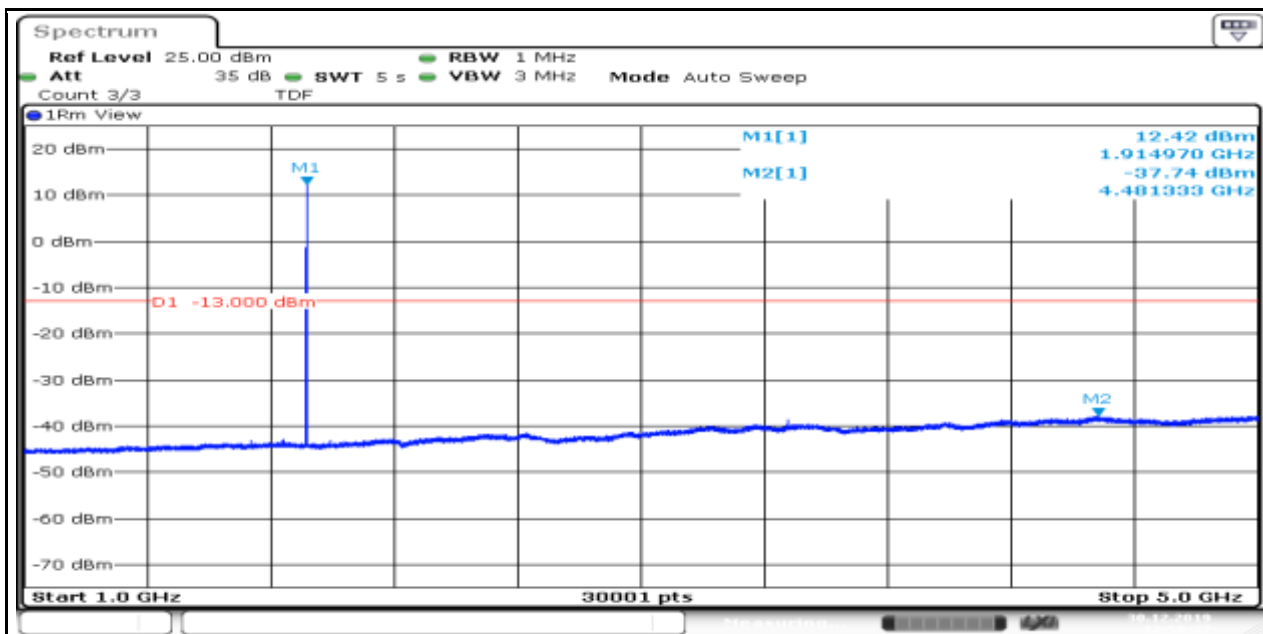


Band25_Stand-Alone_NaN_BPSK_26689_1@11_15kHz_30_1000_30~1000MHz@-35.89dBm_-13_PASS_



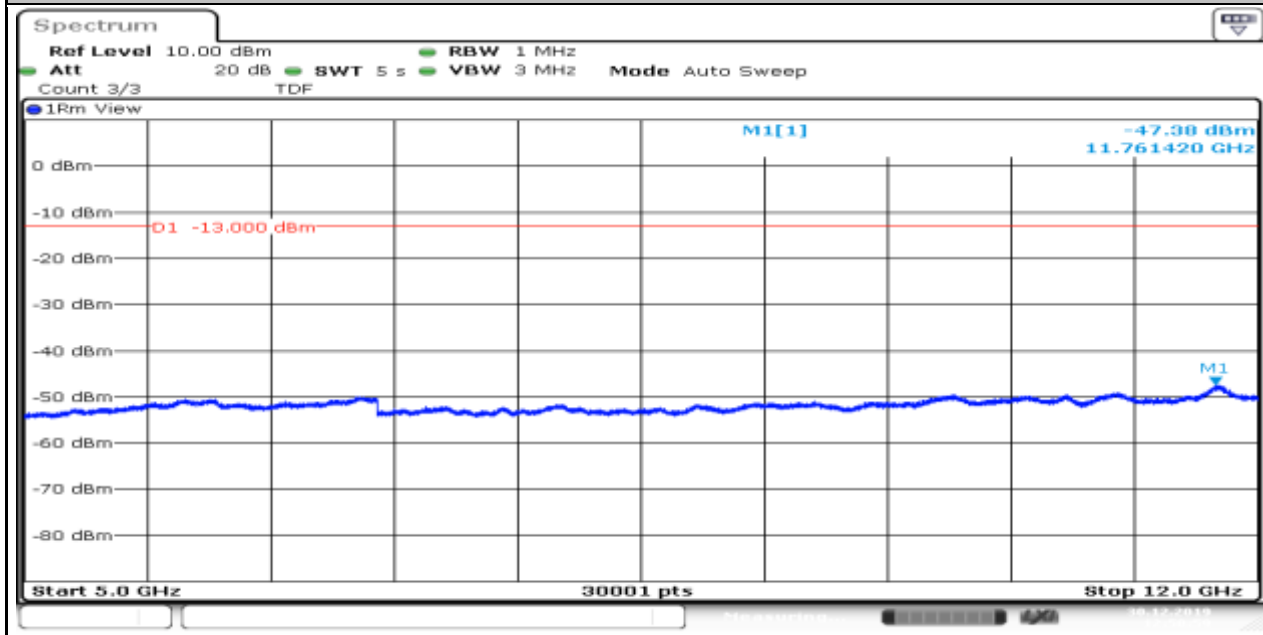
Band25_Stand-Alone_NaN_BPSK_26689_1@11_15kHz_1000_5000_1000~5000MHz@-37.74dBm_-13_PASS_

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Date: 30.DEC.2019 12:50:37

Band25_Stand-Alone_NaN_BPSK_26689_1@11_15kHz_5000_12000_5000~12000MHz@-47.38dBm_-13_PASS



Date: 30.DEC.2019 12:50:59

Appendix F.6: Frequency Stability for NB

Test Result

| Voltage | | | | | | | | | | | | |
|---------|-------------|-----------|------------|---------|-------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band | OpMode | Bandwidth | Modulation | Channel | Tones | SCS | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | HV | NT | -14.65 | -0.007782 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | NT | -18.71 | -0.009939 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | LV | NT | -16.41 | -0.008717 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | HV | NT | -15.54 | -0.008255 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | NT | -21.66 | -0.011506 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | NT | -34.53 | -0.018343 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | LV | NT | -36.89 | -0.019596 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | HV | NT | -28.72 | -0.015256 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | NT | -29.97 | -0.015920 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | LV | NT | -29.27 | -0.015548 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | HV | NT | -31.47 | -0.016717 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | LV | NT | -13.53 | -0.007187 | ±2.5 | PASS |

| Temperature | | | | | | | | | | | | |
|-------------|-------------|-----------|------------|---------|-------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band | OpMode | Bandwidth | Modulation | Channel | Tones | SCS | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | 60 | -6.90 | -0.003665 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | -30 | -11.46 | -0.006088 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | -20 | -13.99 | -0.007432 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | -10 | -9.90 | -0.005259 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | 0 | -10.70 | -0.005684 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | 10 | -14.13 | -0.007506 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | 20 | -10.06 | -0.005344 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | 30 | -12.04 | -0.006396 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | -40 | -29.50 | -0.015671 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | 50 | -12.30 | -0.006534 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | -40 | -14.06 | -0.007469 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | 70 | -8.97 | -0.004765 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | 85 | -12.32 | -0.006544 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | 40 | -10.64 | -0.005652 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | 85 | -12.15 | -0.006454 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | 80 | -10.70 | -0.005684 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | 70 | -11.26 | -0.005981 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | 60 | -7.54 | -0.004005 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | 50 | -12.96 | -0.006884 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | 40 | -11.10 | -0.005896 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | 30 | -10.16 | -0.005397 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | 20 | -14.00 | -0.007437 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | 10 | -9.94 | -0.005280 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | 0 | -12.42 | -0.006598 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | -10 | -10.46 | -0.005556 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | -20 | -13.55 | -0.007198 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | -40 | -12.57 | -0.006677 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 3.75kHz | NV | -30 | -13.78 | -0.007320 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | 80 | -31.30 | -0.016627 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | 85 | -30.94 | -0.016436 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | 70 | -32.16 | -0.017084 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | 60 | -25.71 | -0.013657 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | 50 | -32.74 | -0.017392 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | 40 | -29.23 | -0.015527 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | 30 | -33.83 | -0.017971 | ±2.5 | PASS |

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| | | | | | | | | | | | | |
|--------|-------------|-----|------|-------|------|---------|----|-----|--------|-----------|------|------|
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | 20 | -25.21 | -0.013392 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | 10 | -34.76 | -0.018465 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | 0 | -27.22 | -0.014459 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | -10 | -36.03 | -0.019139 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | -20 | -31.29 | -0.016622 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | -30 | -24.82 | -0.013185 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@11 | 15kHz | NV | -40 | -31.11 | -0.016526 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | 10 | -34.25 | -0.018194 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@47 | 3.75kHz | NV | 80 | -11.76 | -0.006247 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | -20 | -36.08 | -0.019166 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | 85 | -34.12 | -0.018125 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | 0 | -38.67 | -0.020542 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | -30 | -33.87 | -0.017992 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | 20 | -31.11 | -0.016526 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | 30 | -26.88 | -0.014279 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | 40 | -38.91 | -0.020669 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | 50 | -31.40 | -0.016680 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | 60 | -35.98 | -0.019113 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | 70 | -38.77 | -0.020595 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | 80 | -31.37 | -0.016664 | ±2.5 | PASS |
| Band25 | Stand-Alone | NaN | QPSK | 26365 | 1@0 | 15kHz | NV | -10 | -32.03 | -0.017015 | ±2.5 | PASS |