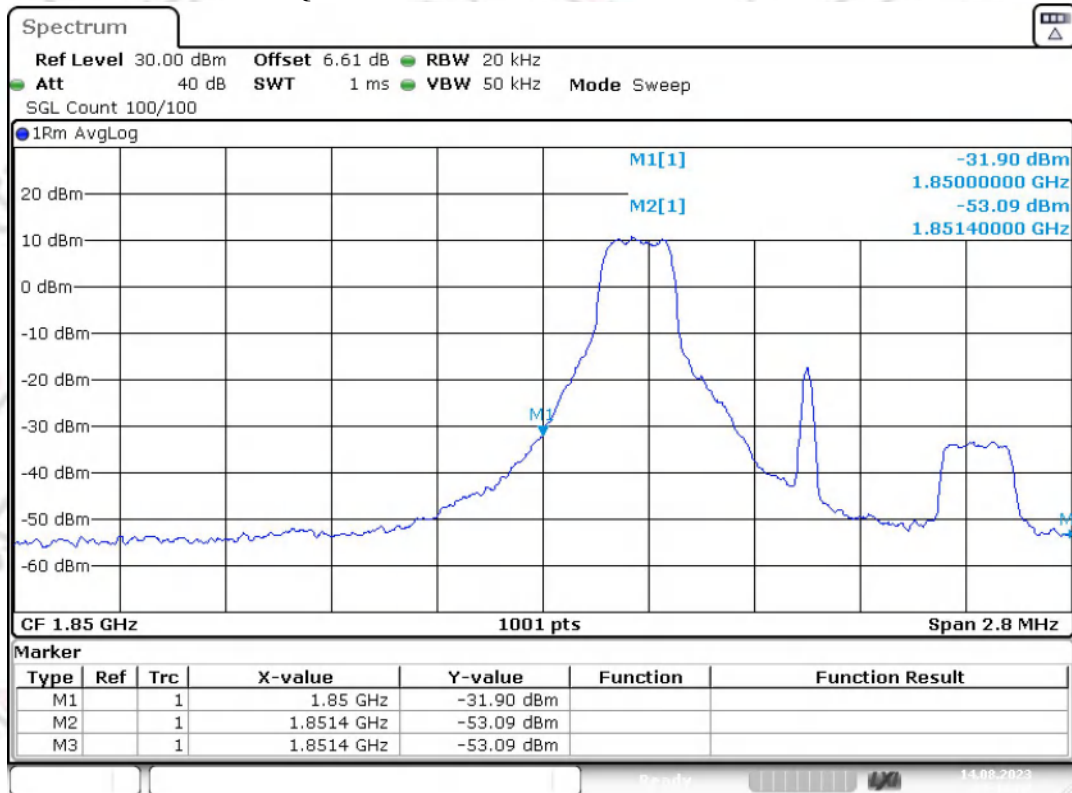


## 05 Band edge

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band2 | 1.4             | 18607      | 1       | #0          | QAM16      | 1850.00         | -31.90           | -13         | PASS    |
| Band2 | 1.4             | 18607      | 1       | #Max        | QAM16      | 1849.46         | -48.93           | -13         | PASS    |
| Band2 | 1.4             | 18607      | 6       | #0          | QAM16      | 1849.98         | -30.98           | -13         | PASS    |
| Band2 | 1.4             | 19193      | 1       | #0          | QAM16      | 1910.68         | -46.52           | -13         | PASS    |
| Band2 | 1.4             | 19193      | 1       | #Max        | QAM16      | 1910.00         | -31.68           | -13         | PASS    |
| Band2 | 1.4             | 19193      | 6       | #0          | QAM16      | 1910.00         | -35.84           | -13         | PASS    |
| Band2 | 3               | 18615      | 1       | #0          | QAM16      | 1850.00         | -29.48           | -13         | PASS    |
| Band2 | 3               | 18615      | 1       | #Max        | QAM16      | 1848.91         | -48.99           | -13         | PASS    |
| Band2 | 3               | 18615      | 15      | #0          | QAM16      | 1850.00         | -33.64           | -13         | PASS    |
| Band2 | 3               | 19185      | 1       | #0          | QAM16      | 1912.32         | -45.83           | -13         | PASS    |
| Band2 | 3               | 19185      | 1       | #Max        | QAM16      | 1910.00         | -27.15           | -13         | PASS    |
| Band2 | 3               | 19185      | 15      | #0          | QAM16      | 1910.00         | -36.06           | -13         | PASS    |
| Band2 | 5               | 18625      | 1       | #0          | QAM16      | 1850.00         | -35.63           | -13         | PASS    |
| Band2 | 5               | 18625      | 1       | #Max        | QAM16      | 1846.96         | -49.25           | -13         | PASS    |
| Band2 | 5               | 18625      | 25      | #0          | QAM16      | 1849.93         | -35.04           | -13         | PASS    |
| Band2 | 5               | 19175      | 1       | #0          | QAM16      | 1913.97         | -41.65           | -13         | PASS    |
| Band2 | 5               | 19175      | 1       | #Max        | QAM16      | 1910.00         | -32.13           | -13         | PASS    |
| Band2 | 5               | 19175      | 25      | #0          | QAM16      | 1910.00         | -36.55           | -13         | PASS    |
| Band2 | 1.4             | 18607      | 1       | #0          | QPSK       | 1850.00         | -27.64           | -13         | PASS    |
| Band2 | 1.4             | 18607      | 1       | #Max        | QPSK       | 1849.38         | -45.71           | -13         | PASS    |
| Band2 | 1.4             | 18607      | 6       | #0          | QPSK       | 1850.00         | -31.25           | -13         | PASS    |
| Band2 | 1.4             | 19193      | 1       | #0          | QPSK       | 1910.67         | -41.44           | -13         | PASS    |
| Band2 | 1.4             | 19193      | 1       | #Max        | QPSK       | 1910.00         | -27.15           | -13         | PASS    |
| Band2 | 1.4             | 19193      | 6       | #0          | QPSK       | 1910.00         | -33.49           | -13         | PASS    |
| Band2 | 10              | 18650      | 1       | #0          | QPSK       | 1850.00         | -40.23           | -13         | PASS    |
| Band2 | 10              | 18650      | 1       | #Max        | QPSK       | 1841.74         | -48.71           | -13         | PASS    |
| Band2 | 10              | 18650      | 50      | #0          | QPSK       | 1849.94         | -35.08           | -13         | PASS    |
| Band2 | 10              | 19150      | 1       | #0          | QPSK       | 1918.28         | -43.11           | -13         | PASS    |
| Band2 | 10              | 19150      | 1       | #Max        | QPSK       | 1910.00         | -41.45           | -13         | PASS    |
| Band2 | 10              | 19150      | 50      | #0          | QPSK       | 1910.14         | -33.19           | -13         | PASS    |
| Band2 | 15              | 18675      | 1       | #0          | QPSK       | 1850.00         | -39.76           | -13         | PASS    |
| Band2 | 15              | 18675      | 1       | #Max        | QPSK       | 1837.43         | -47.42           | -13         | PASS    |
| Band2 | 15              | 18675      | 75      | #0          | QPSK       | 1849.37         | -34.80           | -13         | PASS    |
| Band2 | 15              | 19125      | 1       | #0          | QPSK       | 1910.66         | -50.16           | -13         | PASS    |
| Band2 | 15              | 19125      | 1       | #Max        | QPSK       | 1910.00         | -41.10           | -13         | PASS    |
| Band2 | 15              | 19125      | 75      | #0          | QPSK       | 1910.39         | -29.51           | -13         | PASS    |
| Band2 | 20              | 18700      | 1       | #0          | QPSK       | 1849.96         | -42.35           | -13         | PASS    |
| Band2 | 20              | 18700      | 1       | #Max        | QPSK       | 1842.28         | -46.72           | -13         | PASS    |
| Band2 | 20              | 18700      | 100     | #0          | QPSK       | 1848.96         | -35.62           | -13         | PASS    |
| Band2 | 20              | 19100      | 1       | #0          | QPSK       | 1913.36         | -50.05           | -13         | PASS    |
| Band2 | 20              | 19100      | 1       | #Max        | QPSK       | 1910.24         | -42.68           | -13         | PASS    |
| Band2 | 20              | 19100      | 100     | #0          | QPSK       | 1910.40         | -32.55           | -13         | PASS    |
| Band2 | 3               | 18615      | 1       | #0          | QPSK       | 1850.00         | -26.16           | -13         | PASS    |
| Band2 | 3               | 18615      | 1       | #Max        | QPSK       | 1848.89         | -48.81           | -13         | PASS    |
| Band2 | 3               | 18615      | 15      | #0          | QPSK       | 1850.00         | -32.02           | -13         | PASS    |
| Band2 | 3               | 19185      | 1       | #0          | QPSK       | 1912.29         | -43.24           | -13         | PASS    |
| Band2 | 3               | 19185      | 1       | #Max        | QPSK       | 1910.00         | -25.72           | -13         | PASS    |
| Band2 | 3               | 19185      | 15      | #0          | QPSK       | 1910.00         | -35.02           | -13         | PASS    |
| Band2 | 5               | 18625      | 1       | #0          | QPSK       | 1850.00         | -31.61           | -13         | PASS    |
| Band2 | 5               | 18625      | 1       | #Max        | QPSK       | 1846.94         | -47.99           | -13         | PASS    |
| Band2 | 5               | 18625      | 25      | #0          | QPSK       | 1850.00         | -32.65           | -13         | PASS    |
| Band2 | 5               | 19175      | 1       | #0          | QPSK       | 1913.93         | -40.18           | -13         | PASS    |
| Band2 | 5               | 19175      | 1       | #Max        | QPSK       | 1910.00         | -32.34           | -13         | PASS    |
| Band2 | 5               | 19175      | 25      | #0          | QPSK       | 1910.00         | -36.48           | -13         | PASS    |

Band2 QAM16 BW=1.4MHz Channel=18607 RB Size=1 Position=#0



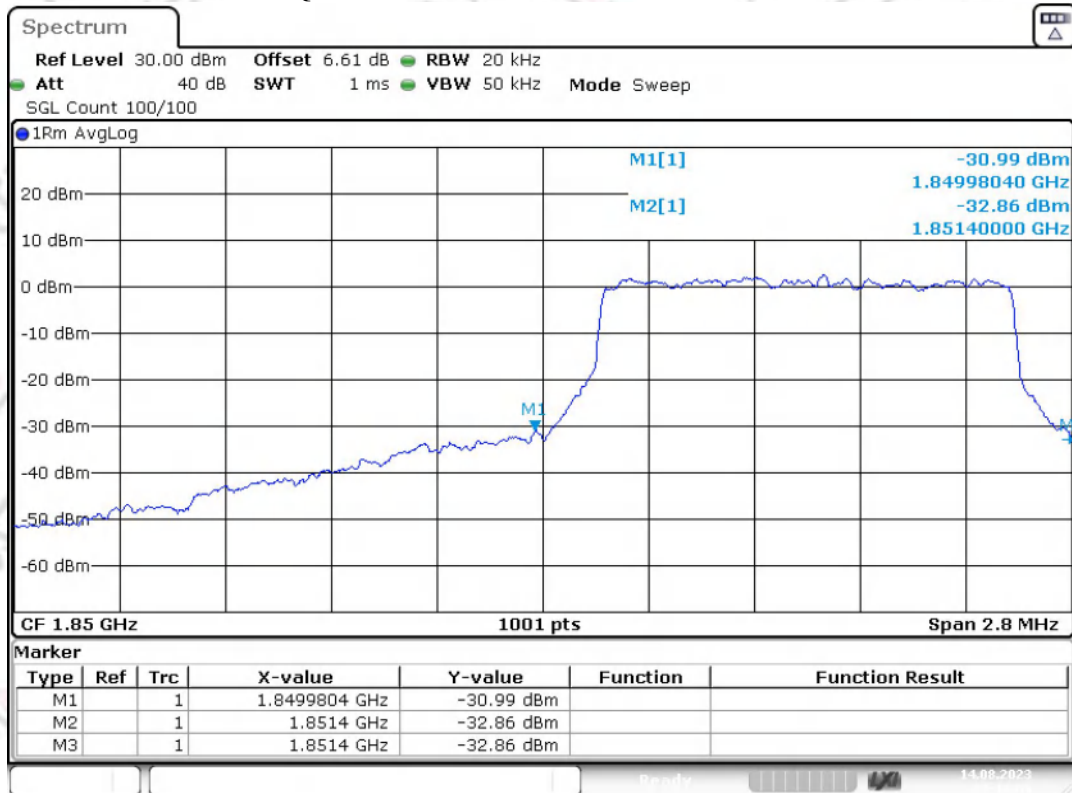
Date: 14.AUG.2023 22:18:02

Band2 QAM16 BW=1.4MHz Channel=18607 RB Size=1 Position=#Max



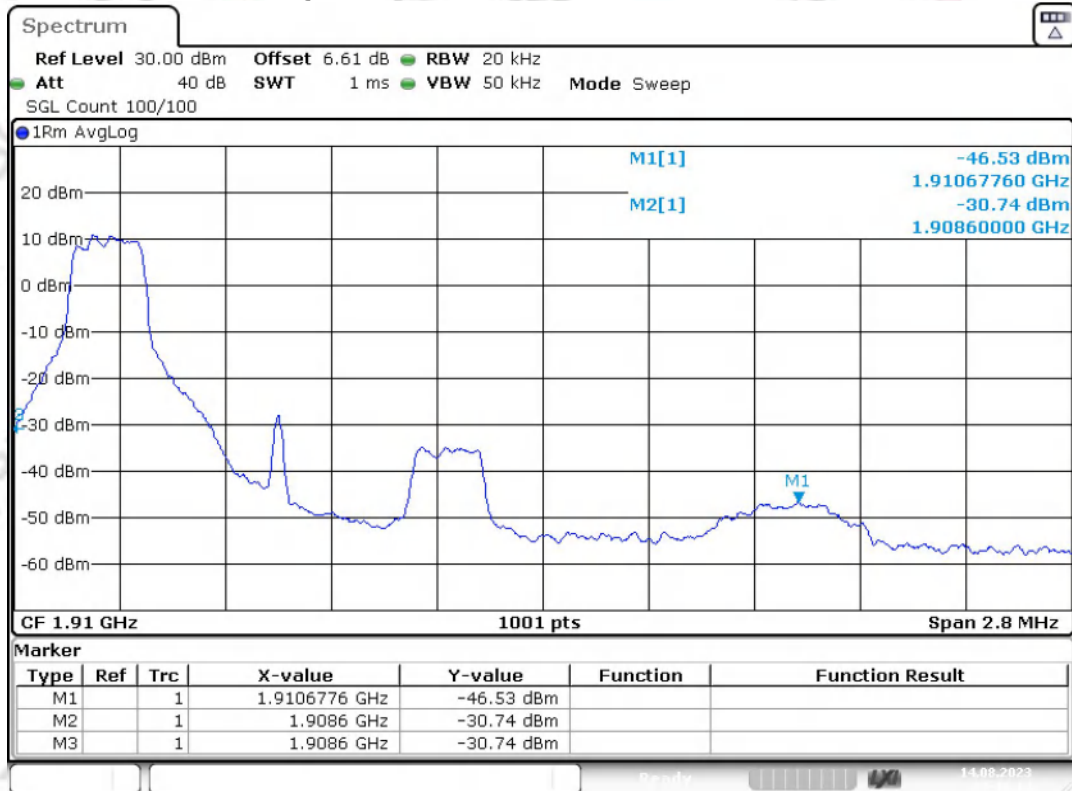
Date: 14.AUG.2023 22:18:05

Band2 QAM16 BW=1.4MHz Channel=18607 RB Size=6 Position=#0



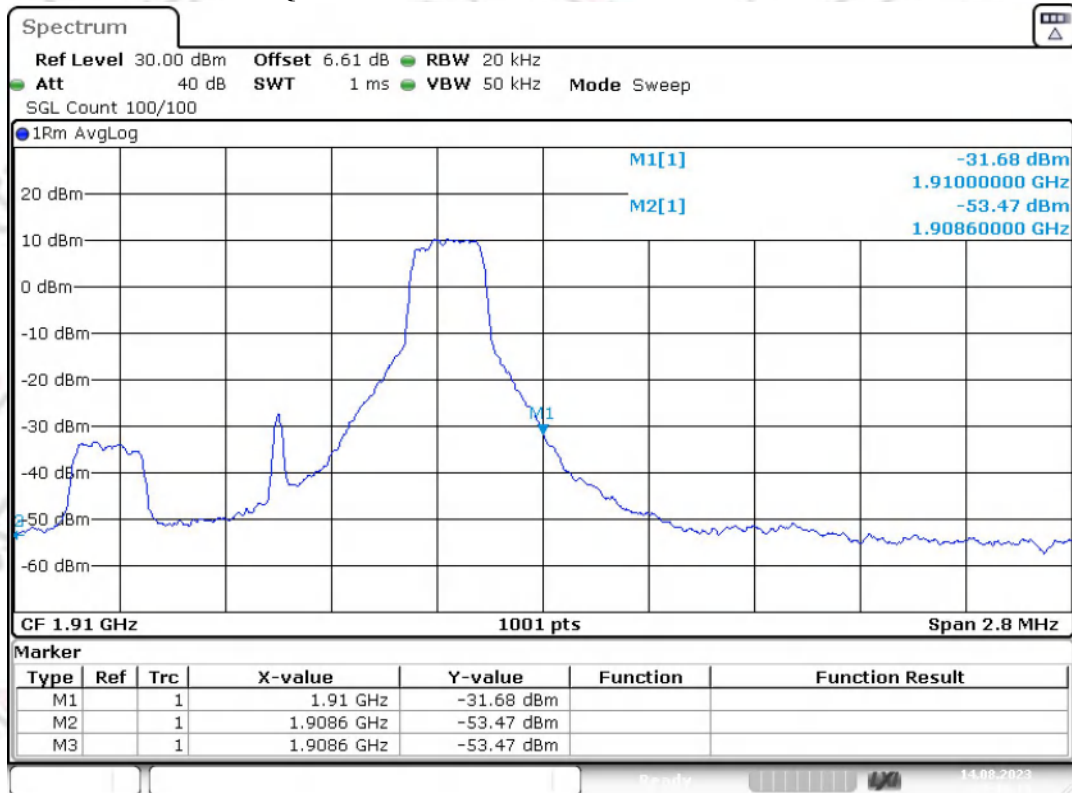
Date: 14.AUG.2023 22:18:09

Band2 QAM16 BW=1.4MHz Channel=19193 RB Size=1 Position=#0



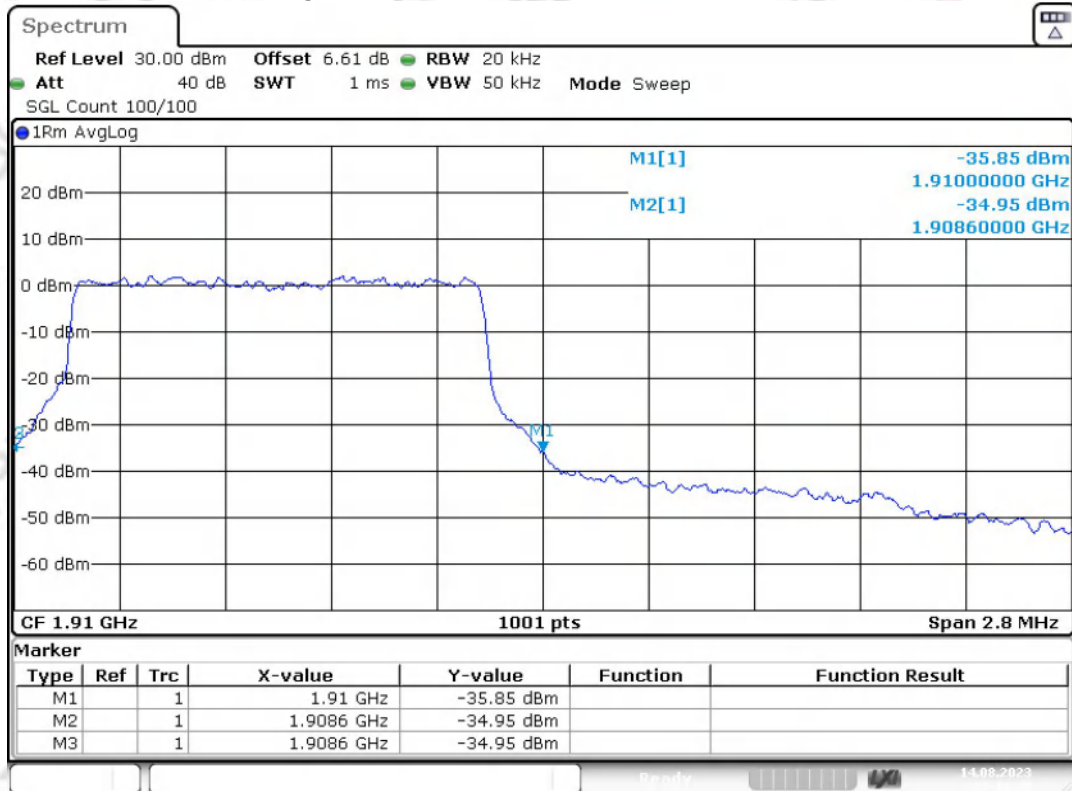
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Band2 QAM16 BW=1.4MHz Channel=19193 RB Size=1 Position=#Max



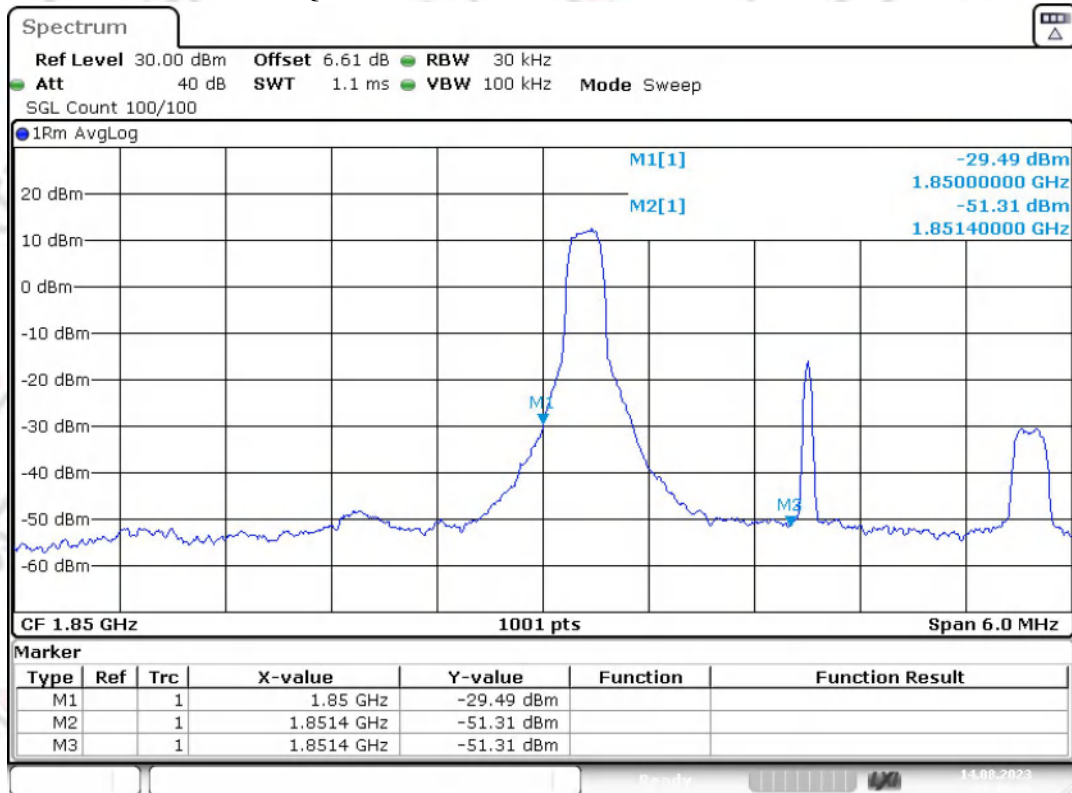
Date: 14.AUG.2023 22:18:18

Band2 QAM16 BW=1.4MHz Channel=19193 RB Size=6 Position=#0



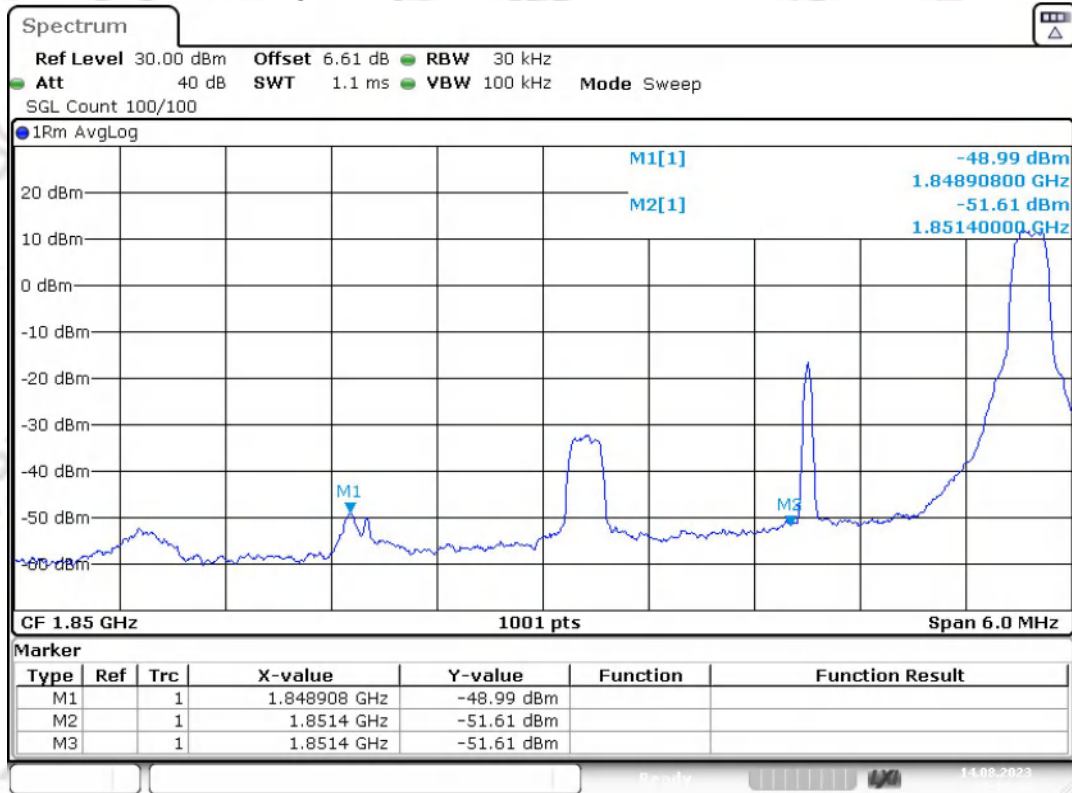
Date: 14.AUG.2023 22:18:22

Band2 QAM16 BW=3MHz Channel=18615 RB Size=1 Position=#0



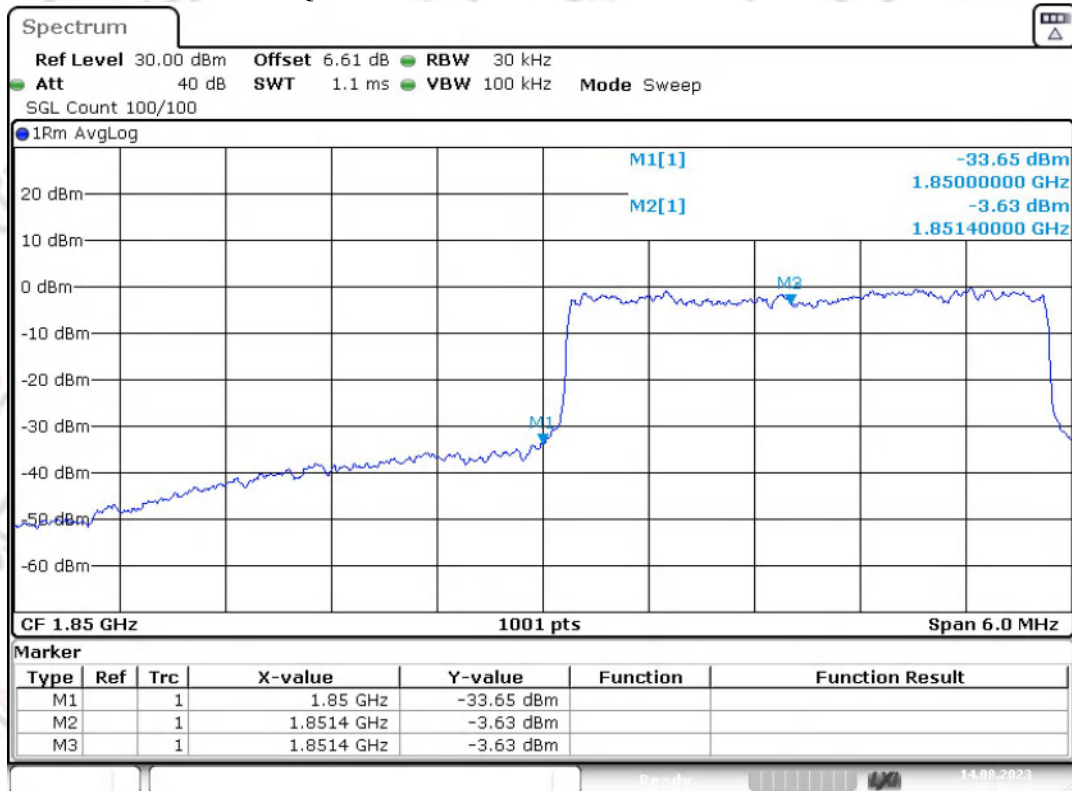
Date: 14.AUG.2023 22:18:30

Band2 QAM16 BW=3MHz Channel=18615 RB Size=1 Position=#Max



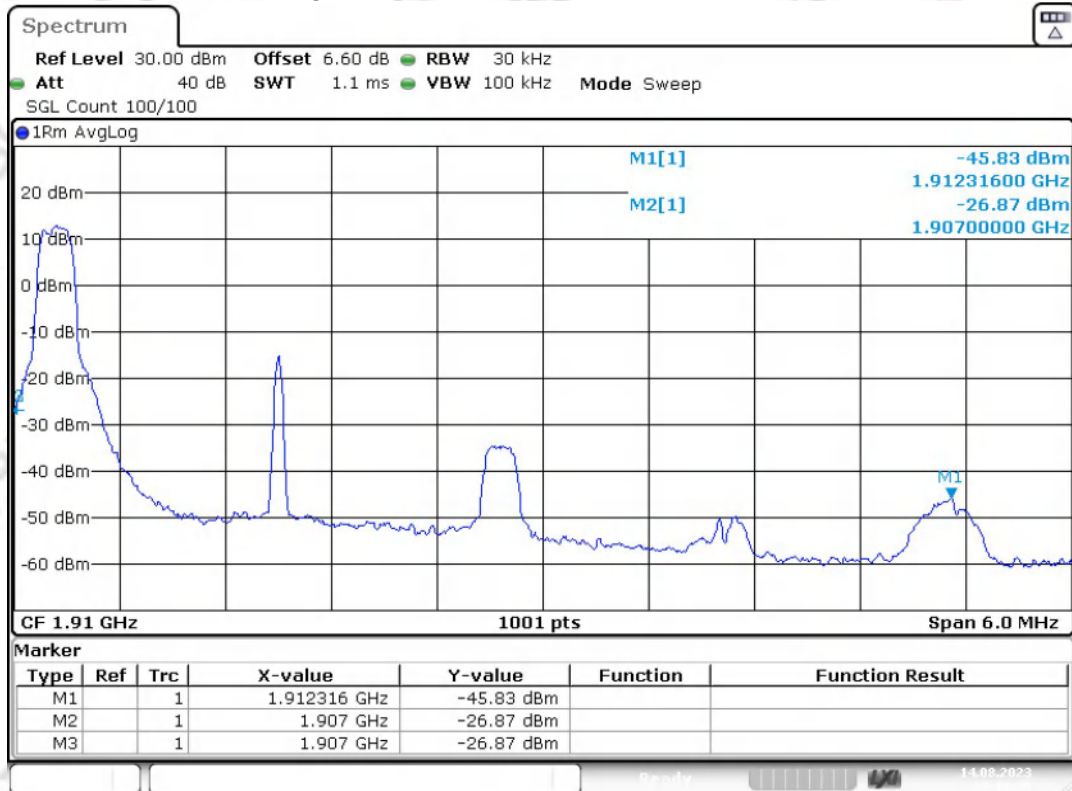
Date: 14.AUG.2023 22:18:34

Band2 QAM16 BW=3MHz Channel=18615 RB Size=15 Position=#0



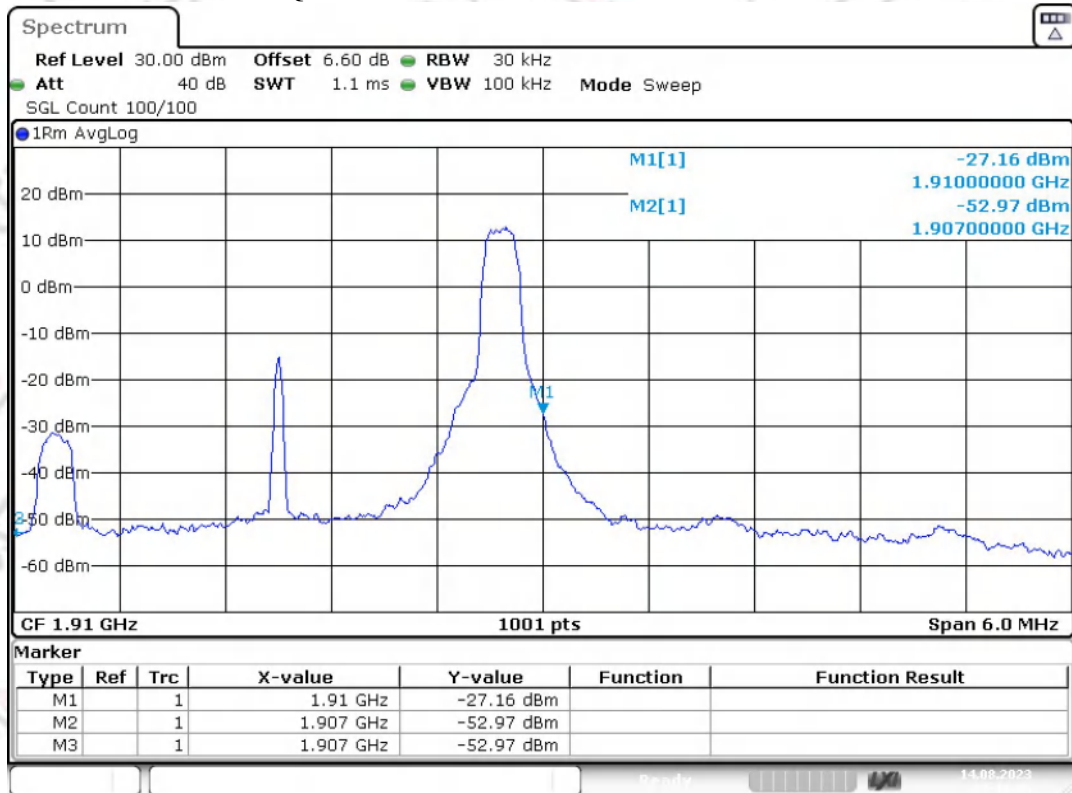
Date: 14.AUG.2023 22:18:38

Band2 QAM16 BW=3MHz Channel=19185 RB Size=1 Position=#0



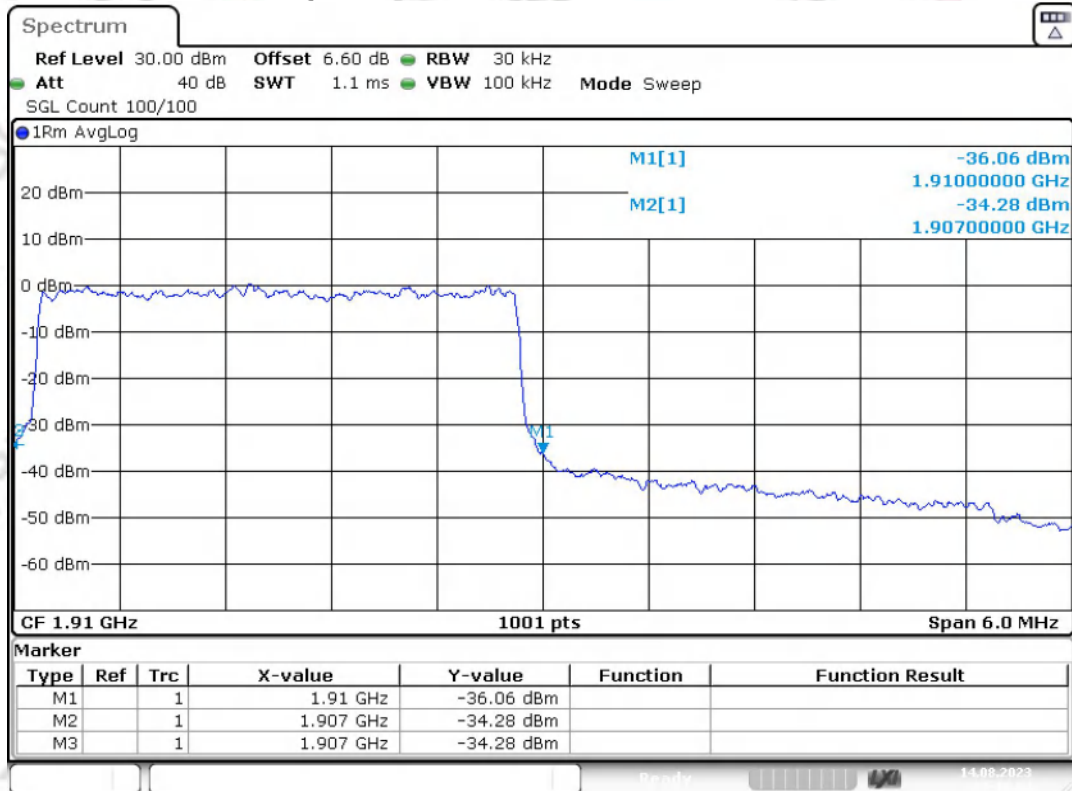
Date: 14.AUG.2023 22:18:44

Band2 QAM16 BW=3MHz Channel=19185 RB Size=1 Position=#Max



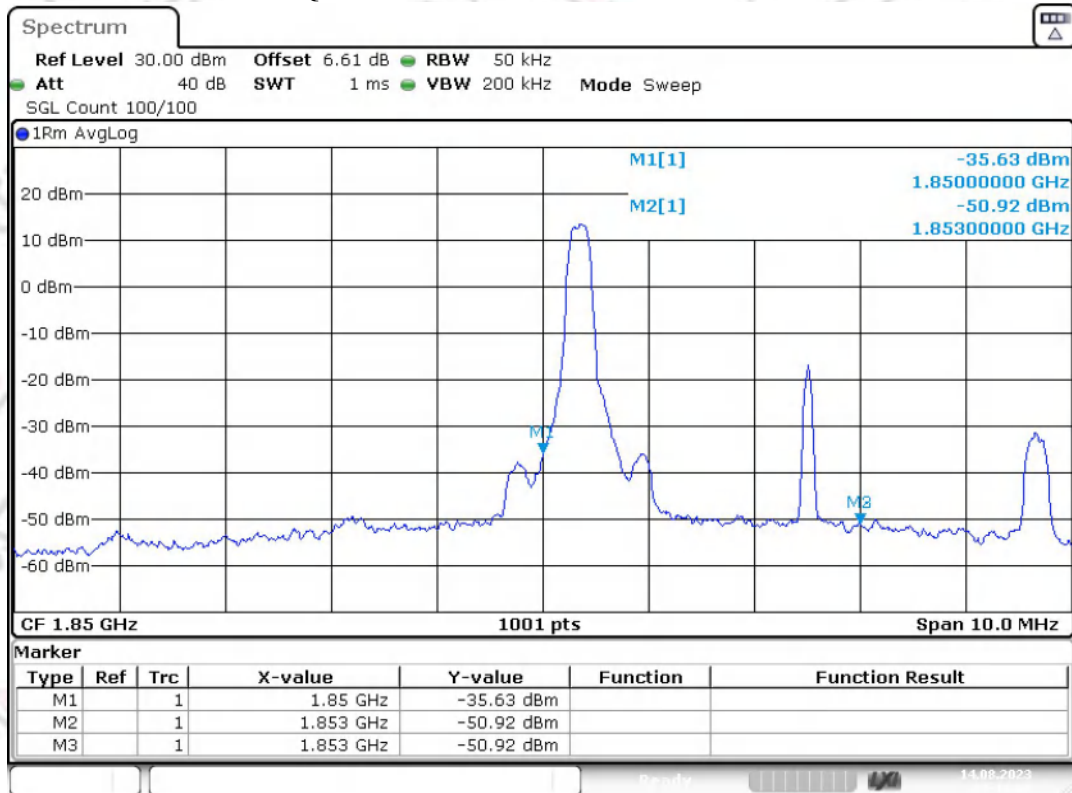
Date: 14.AUG.2023 22:18:49

Band2 QAM16 BW=3MHz Channel=19185 RB Size=15 Position=#0



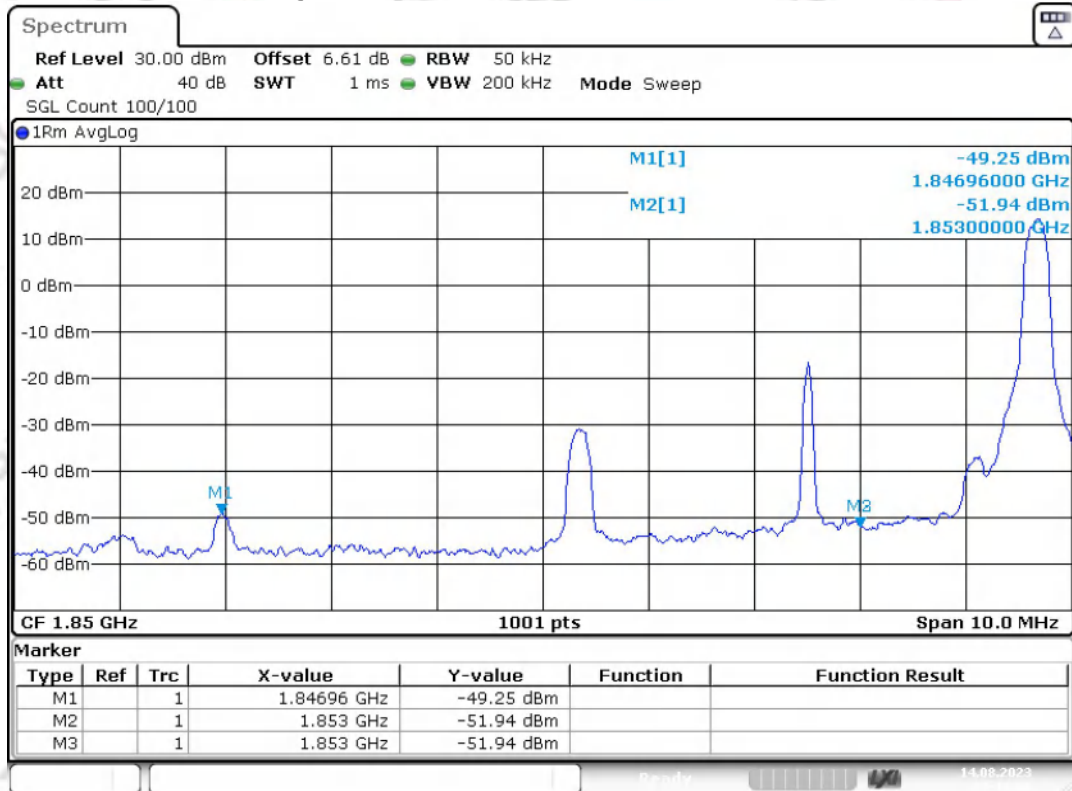
Date: 14.AUG.2023 22:18:53

Band2 QAM16 BW=5MHz Channel=18625 RB Size=1 Position=#0



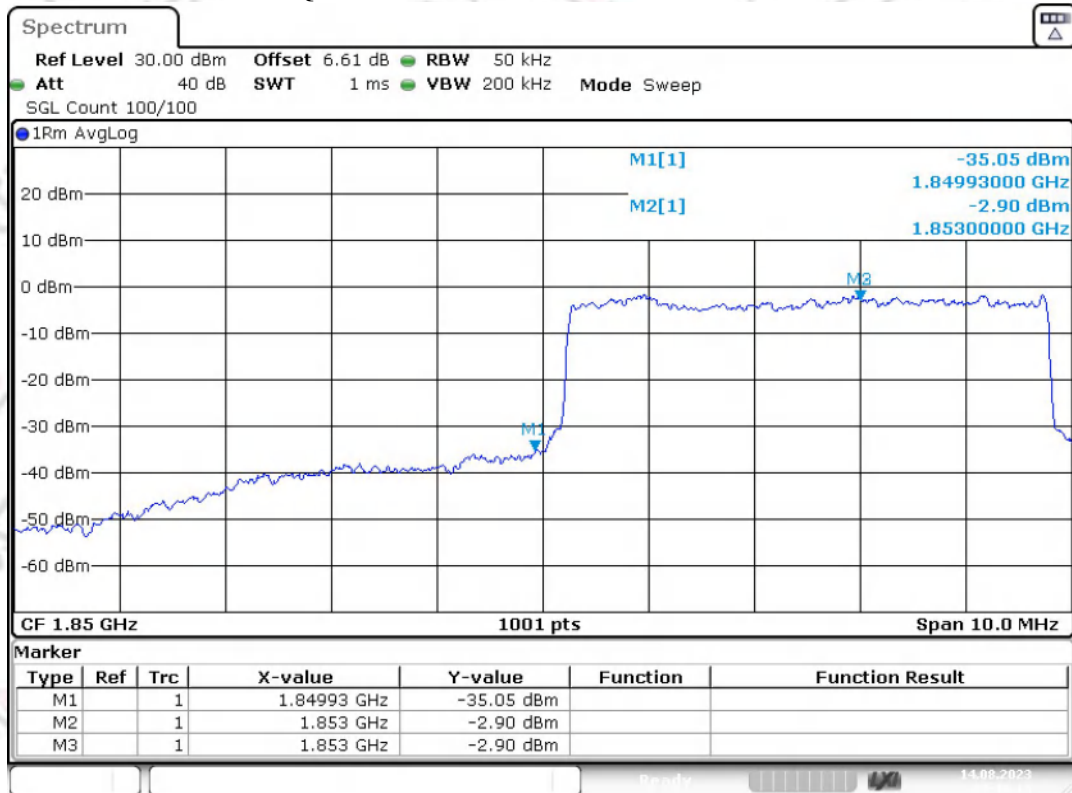
Date: 14.AUG.2023 22:19:02

Band2 QAM16 BW=5MHz Channel=18625 RB Size=1 Position=#Max



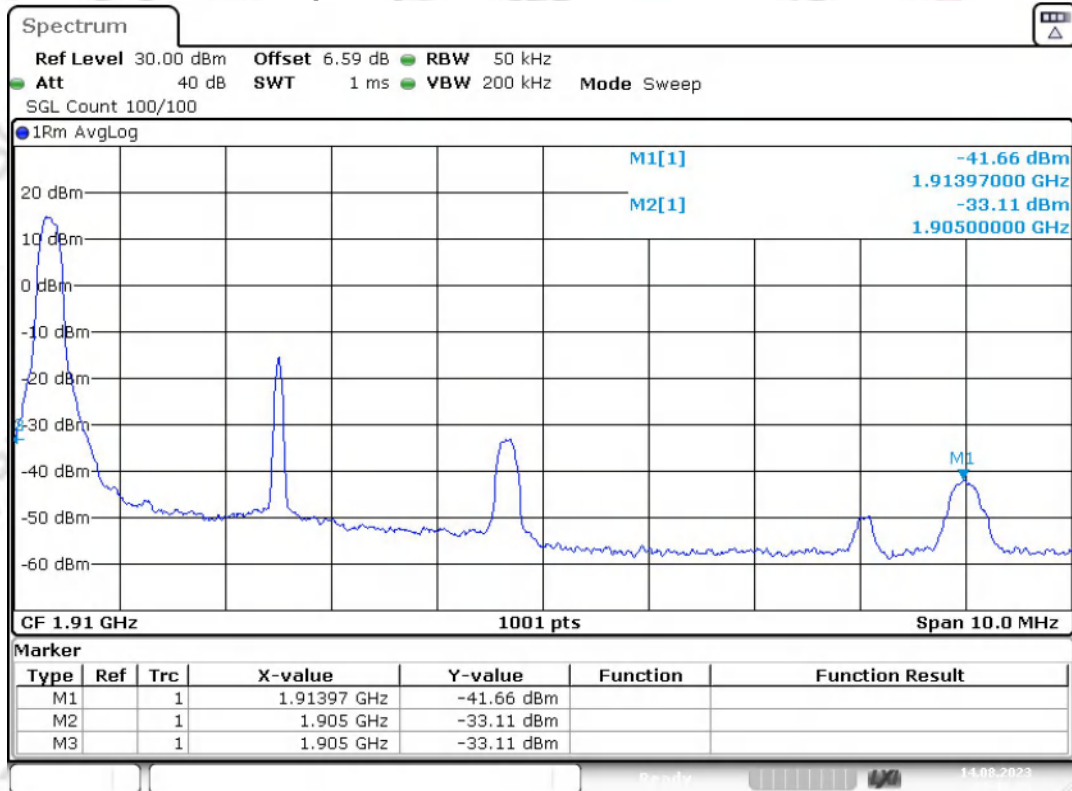
Date: 14.AUG.2023 22:19:07

Band2 QAM16 BW=5MHz Channel=18625 RB Size=25 Position=#0



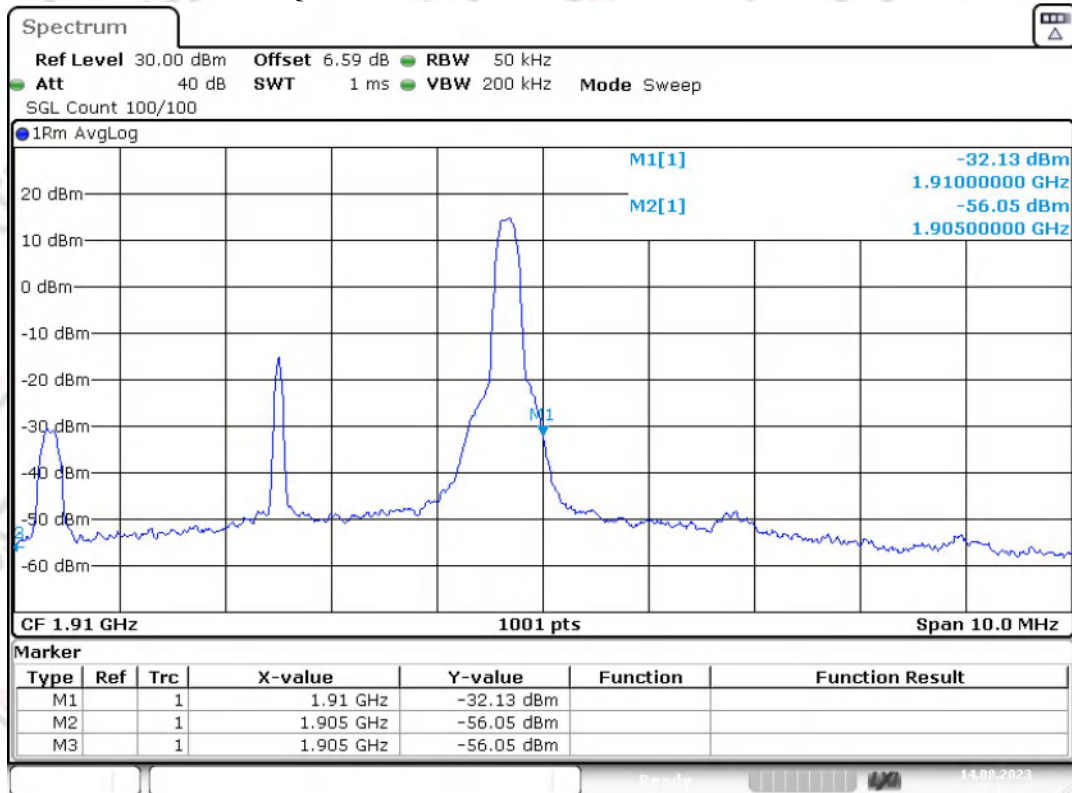
Date: 14.AUG.2023 22:19:13

Band2 QAM16 BW=5MHz Channel=19175 RB Size=1 Position=#0



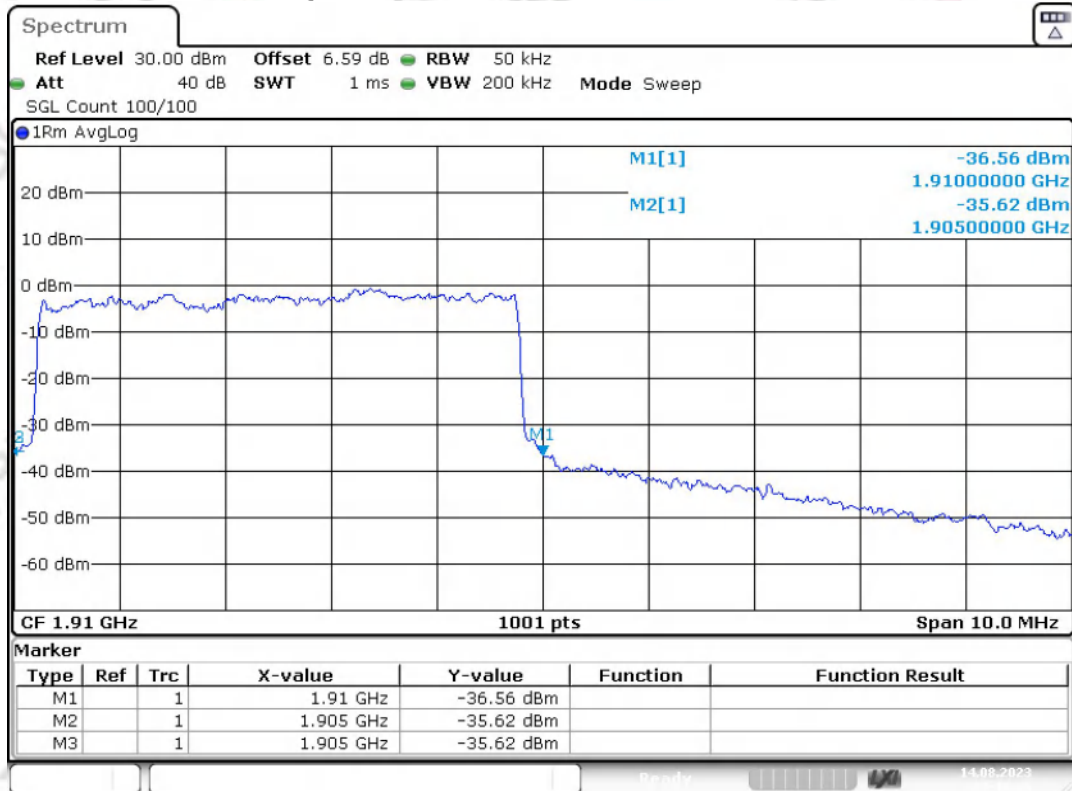
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Band2 QAM16 BW=5MHz Channel=19175 RB Size=1 Position=#Max



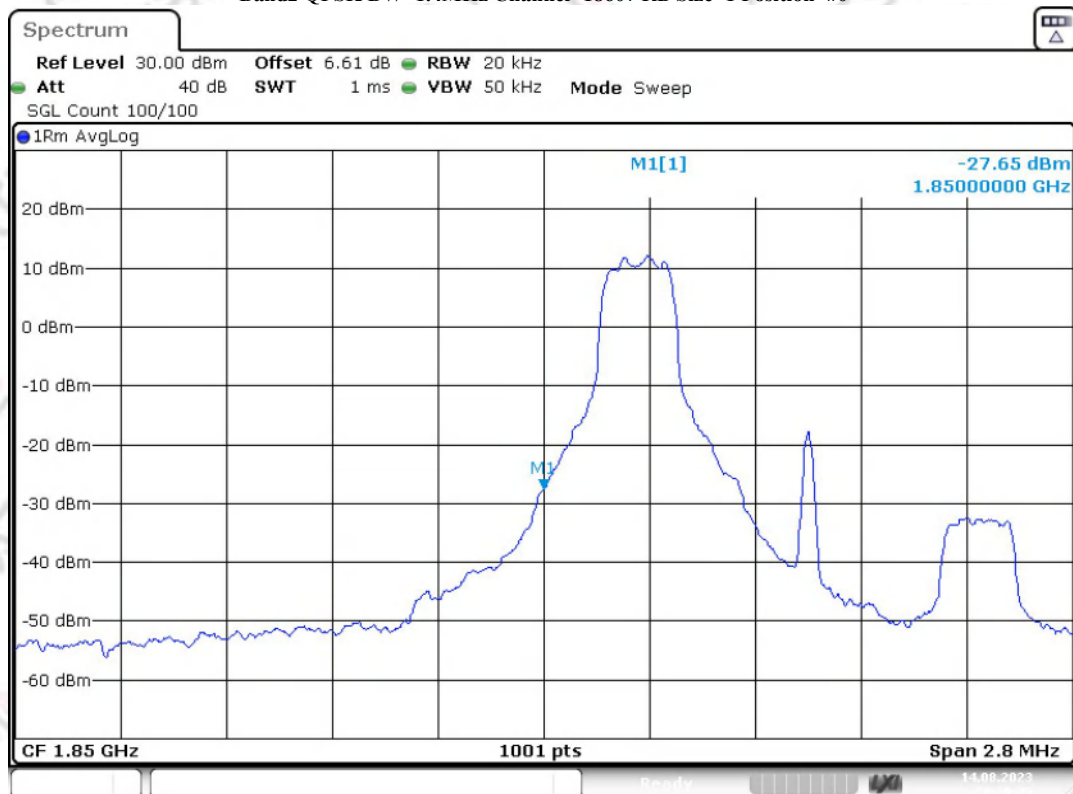
Date: 14.AUG.2023 22:19:25

Band2 QAM16 BW=5MHz Channel=19175 RB Size=25 Position=#0



Date: 14.AUG.2023 22:19:30

Band2 QPSK BW=1.4MHz Channel=18607 RB Size=1 Position=#0



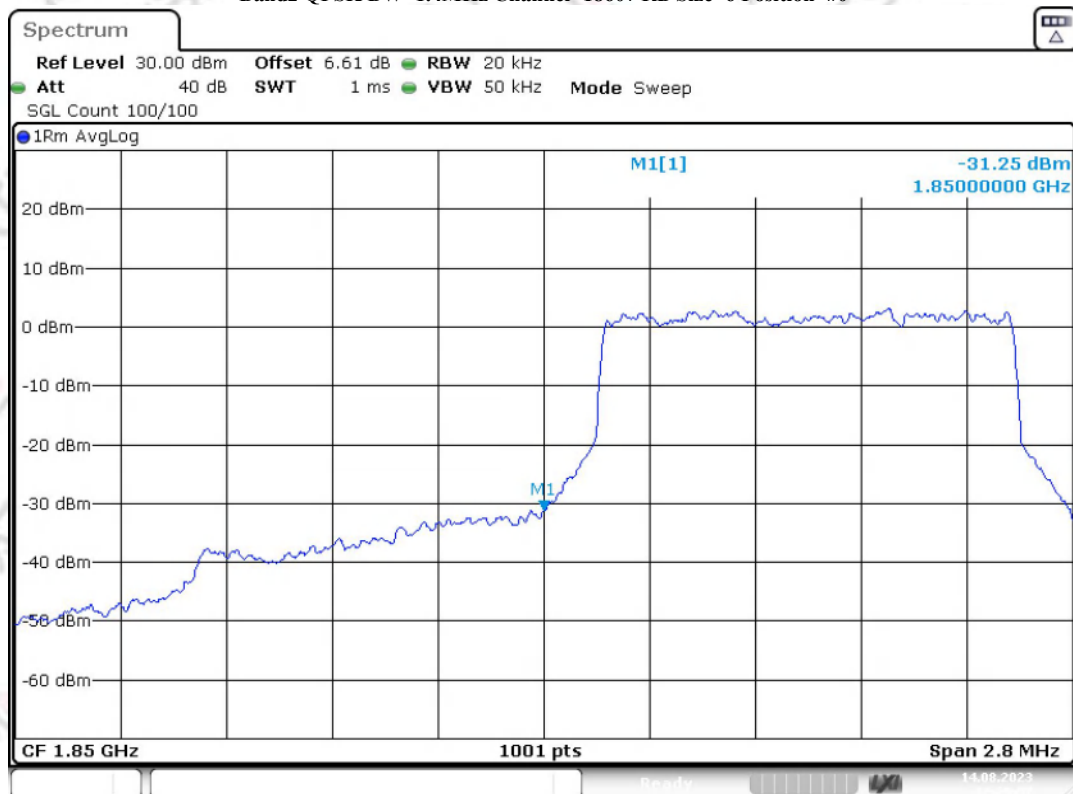
Date: 14.AUG.2023 22:29:50

Band2 QPSK BW=1.4MHz Channel=18607 RB Size=1 Position=#Max



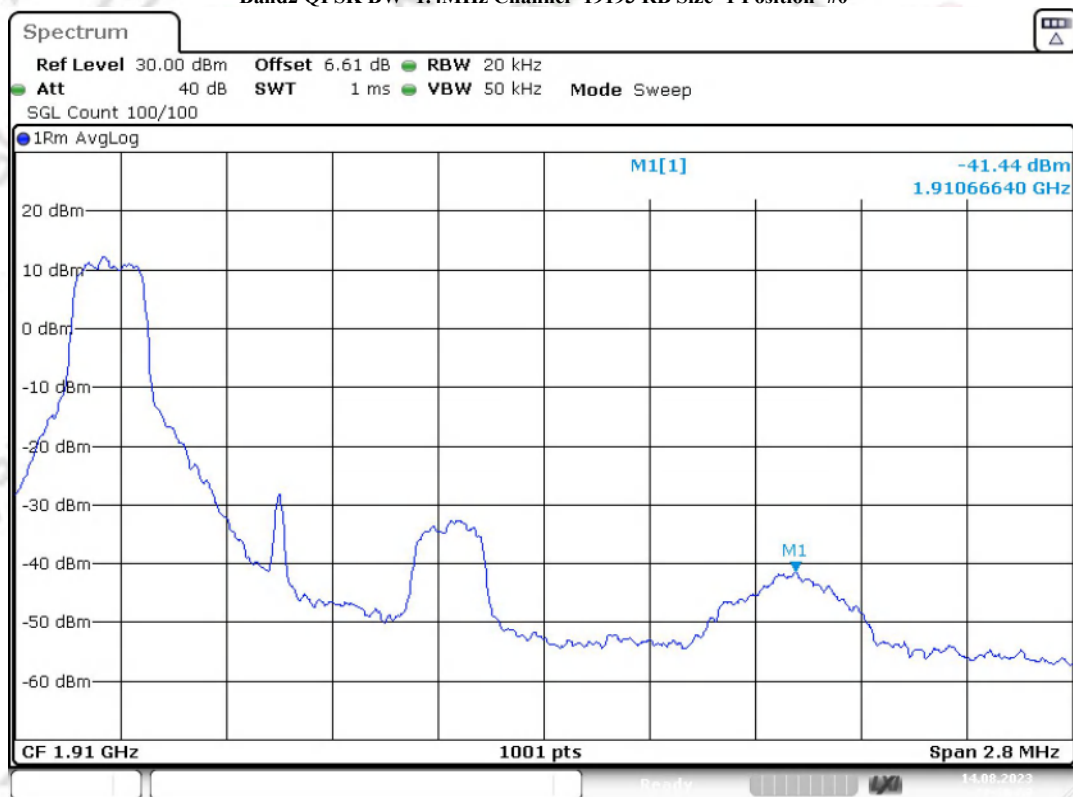
Date: 14.AUG.2023 22:29:53

Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



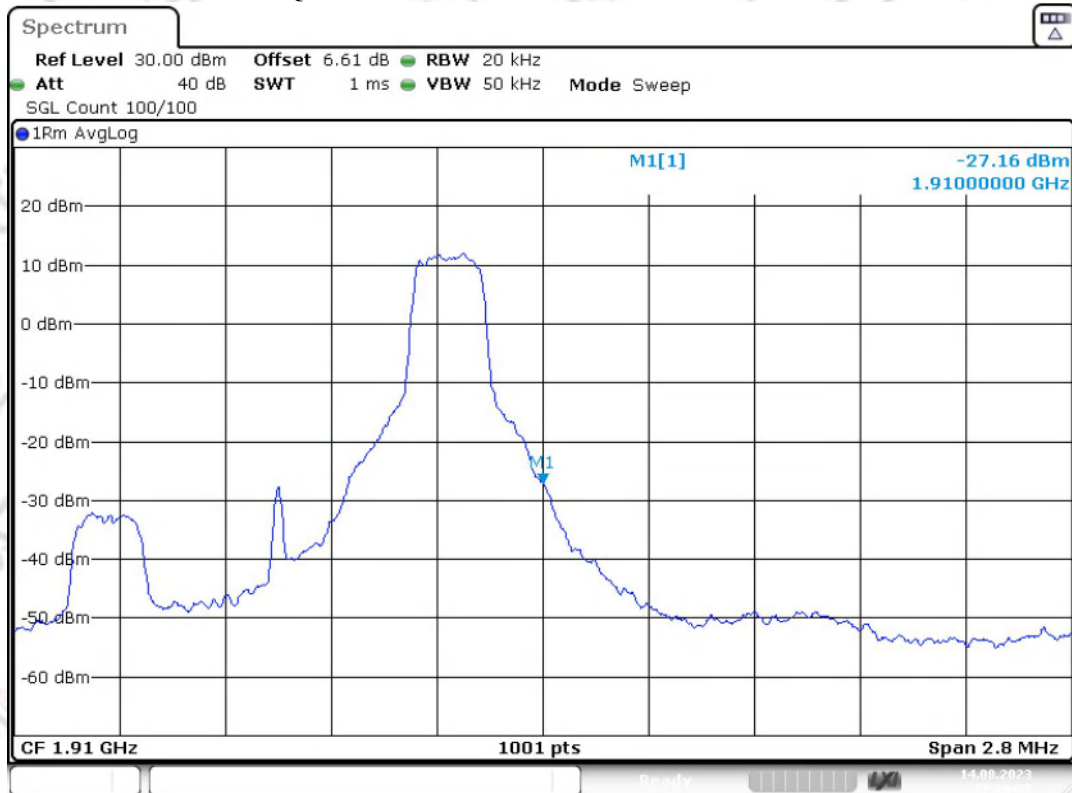
Date: 14.AUG.2023 22:29:57

Band2 QPSK BW=1.4MHz Channel=19193 RB Size=1 Position=#0



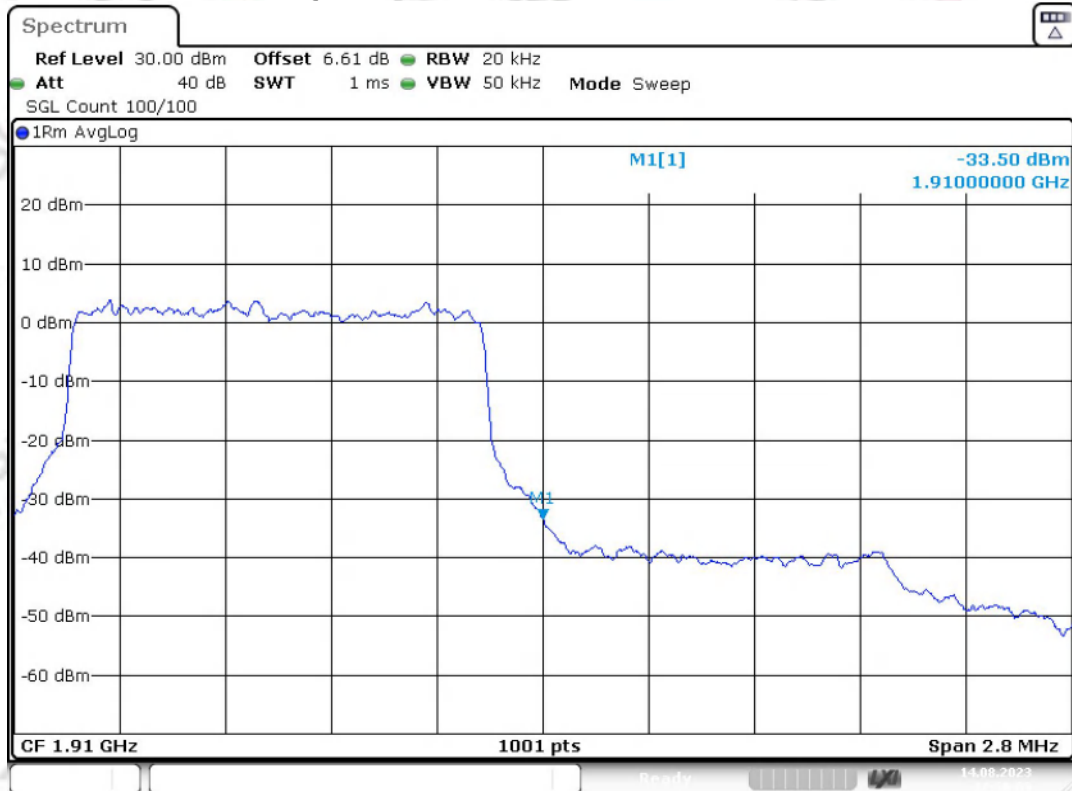
Date: 14.AUG.2023 22:30:02

Band2 QPSK BW=1.4MHz Channel=19193 RB Size=1 Position=#Max



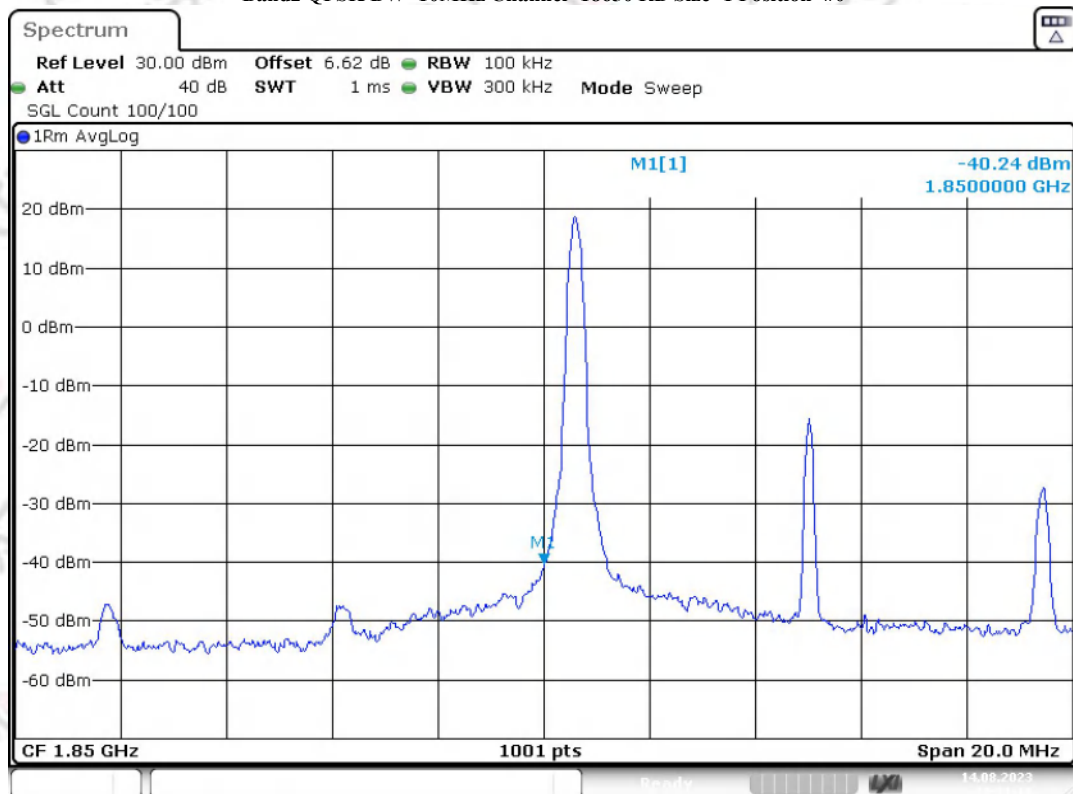
Date: 14.AUG.2023 22:30:05

Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



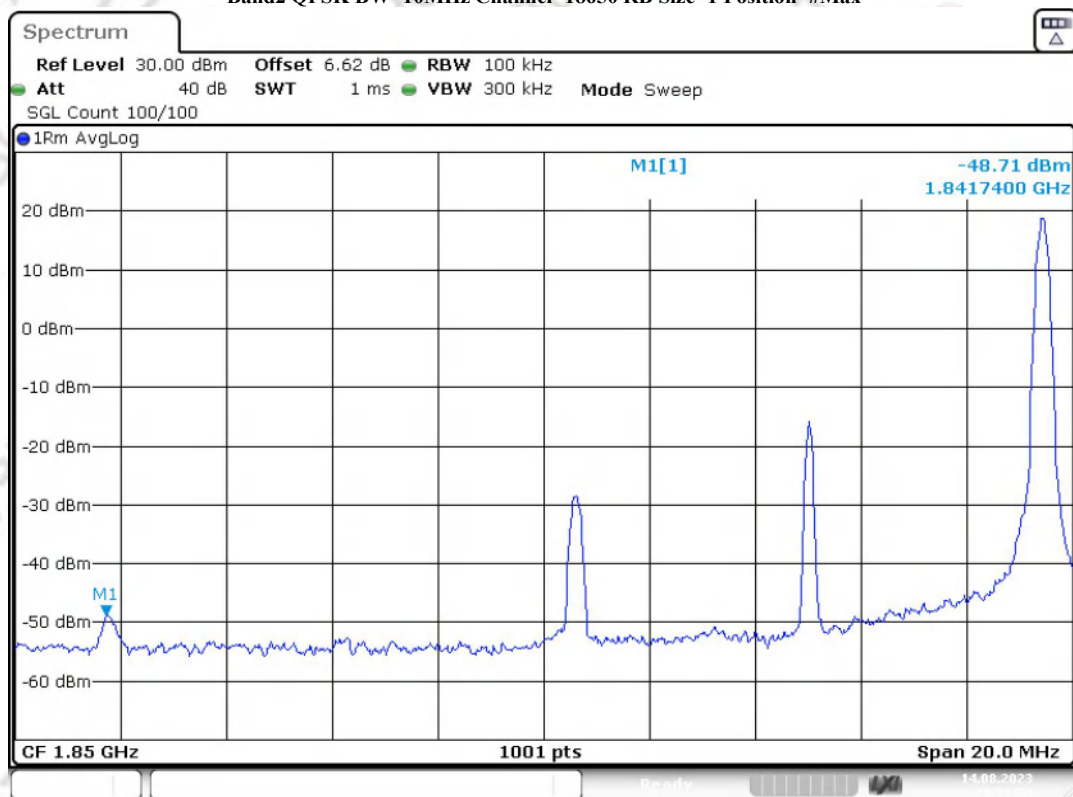
Date: 14.AUG.2023 22:30:09

Band2 QPSK BW=10MHz Channel=18650 RB Size=1 Position=#0



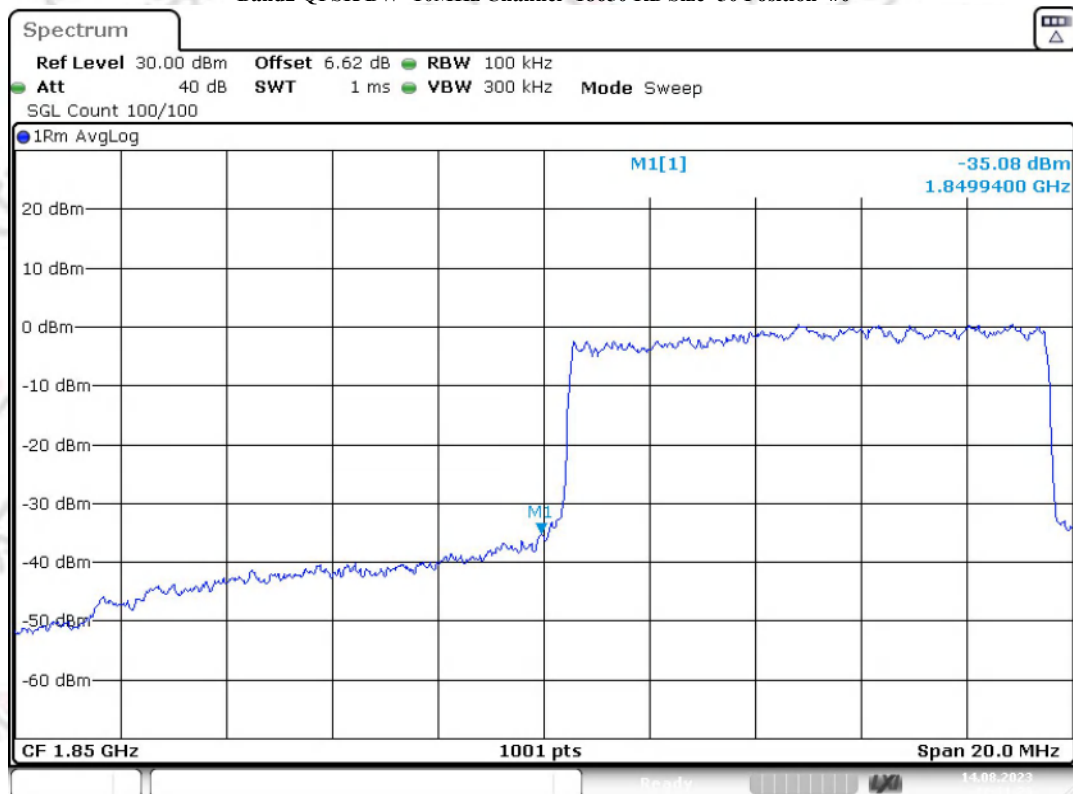
Date: 14.AUG.2023 22:31:19

Band2 QPSK BW=10MHz Channel=18650 RB Size=1 Position=#Max



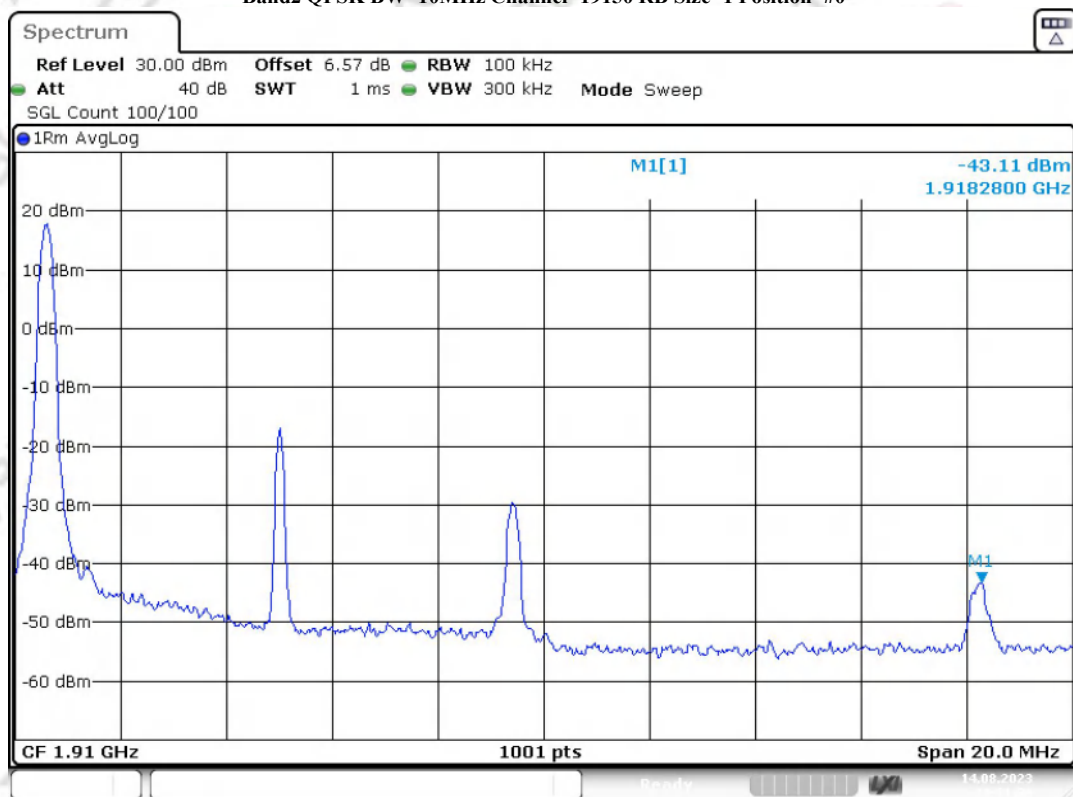
Date: 14.AUG.2023 22:31:24

Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



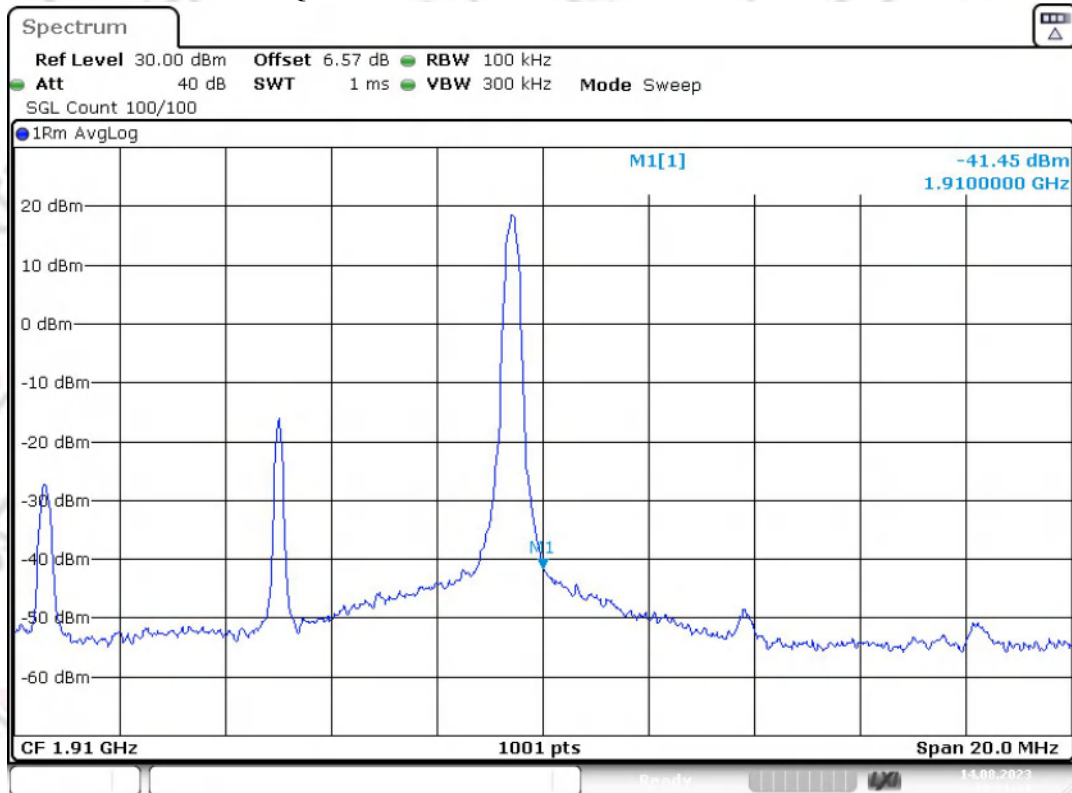
Date: 14.AUG.2023 22:31:29

Band2 QPSK BW=10MHz Channel=19150 RB Size=1 Position=#0



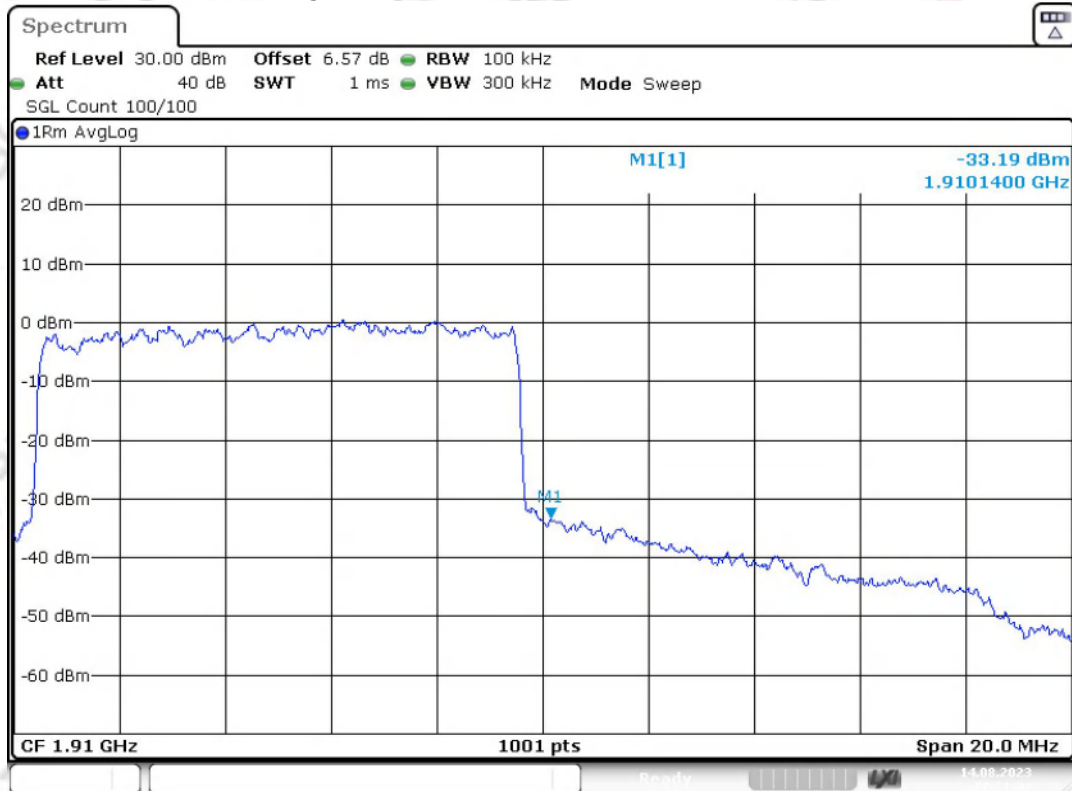
Date: 14.AUG.2023 22:31:36

Band2 QPSK BW=10MHz Channel=19150 RB Size=1 Position=#Max



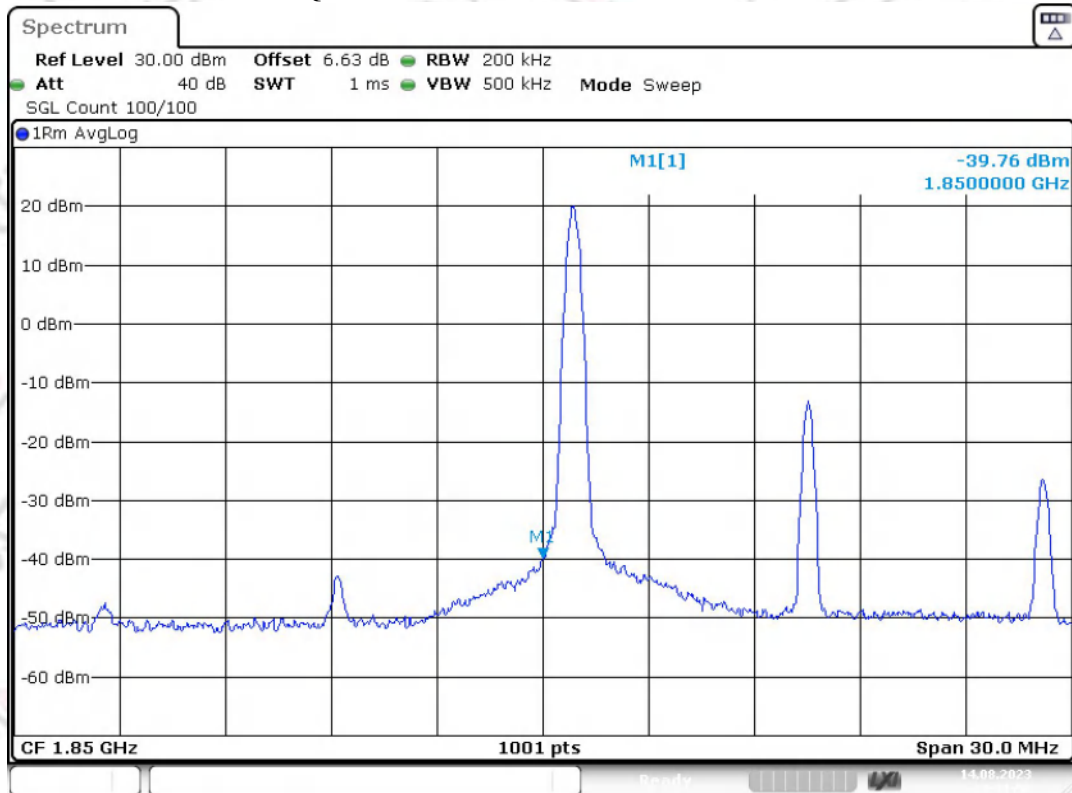
Date: 14.AUG.2023 22:31:41

Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



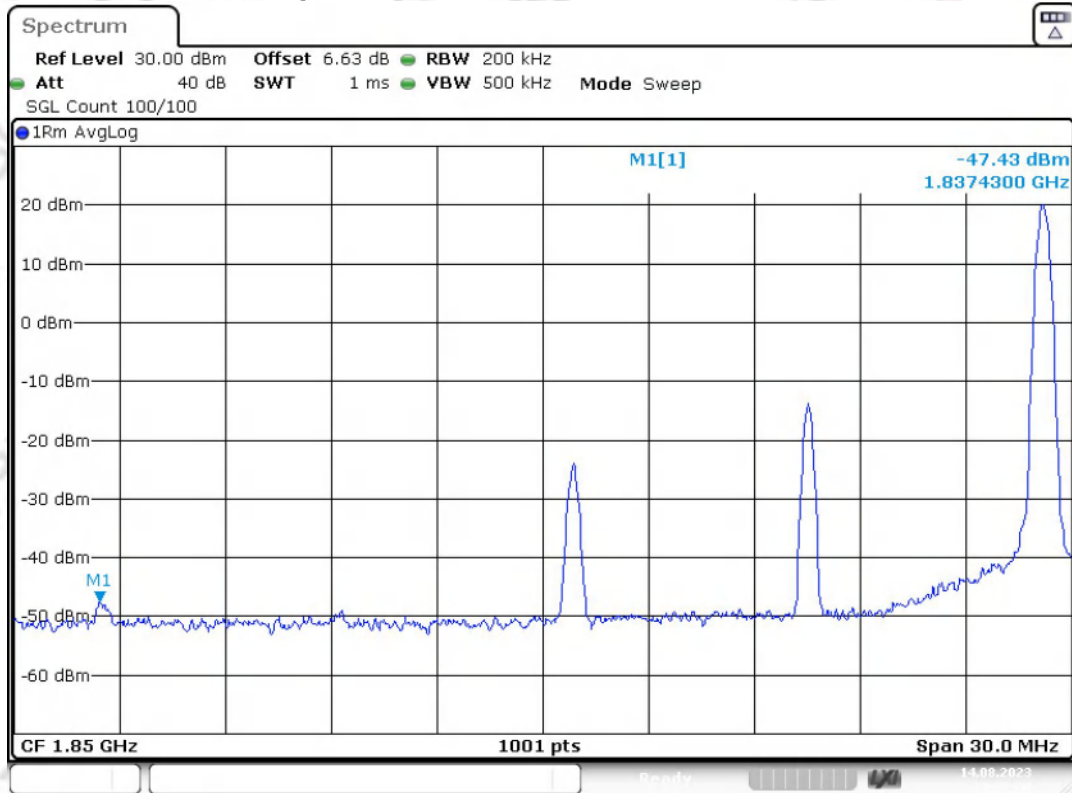
Date: 14.AUG.2023 22:31:46

Band2 QPSK BW=15MHz Channel=18675 RB Size=1 Position=#0



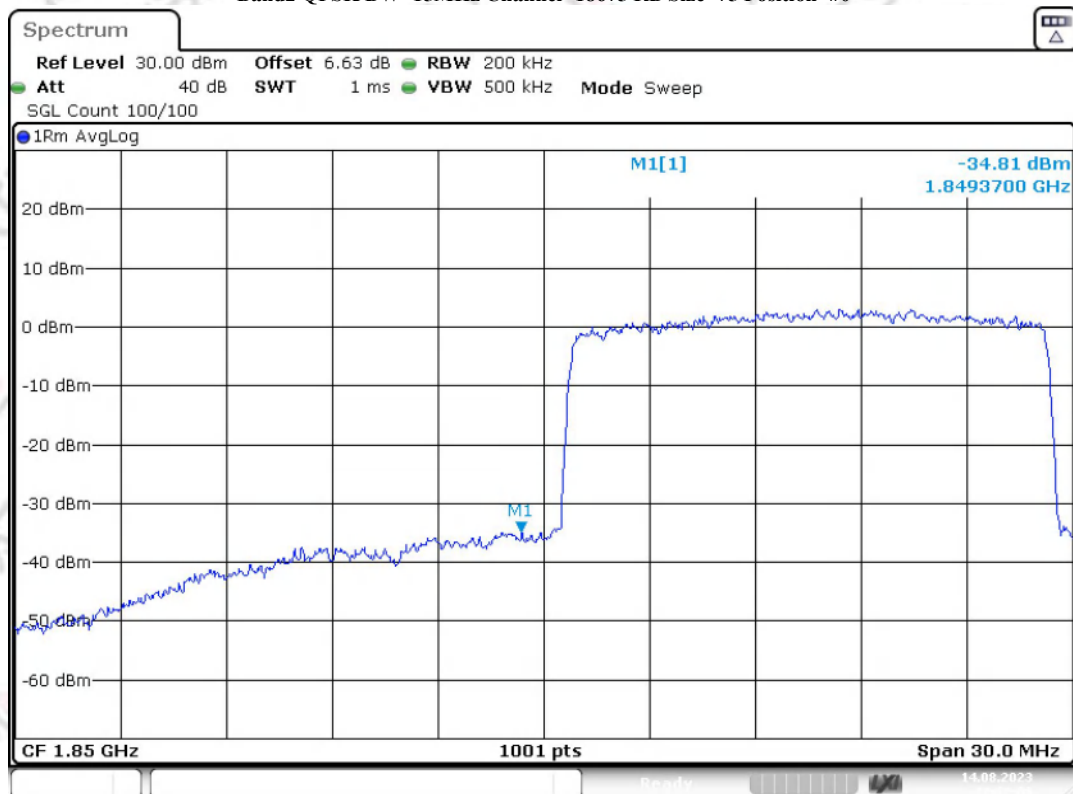
Date: 14.AUG.2023 22:31:56

Band2 QPSK BW=15MHz Channel=18675 RB Size=1 Position=#Max



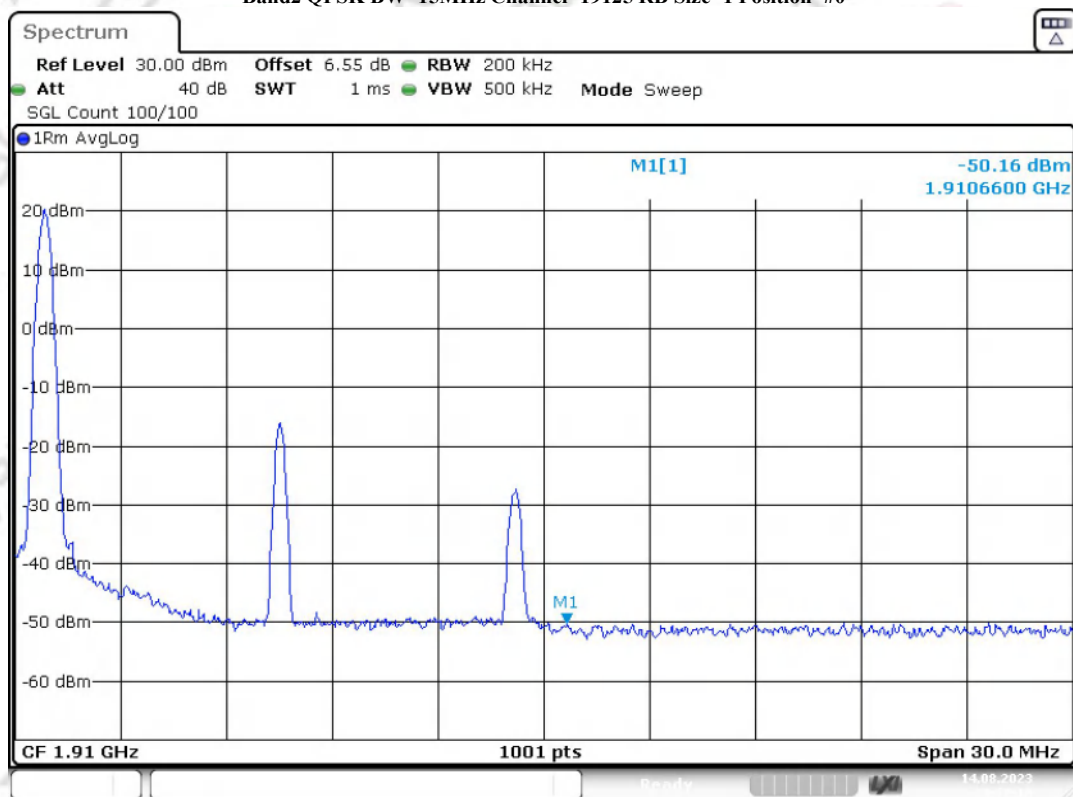
Date: 14.AUG.2023 22:32:02

Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



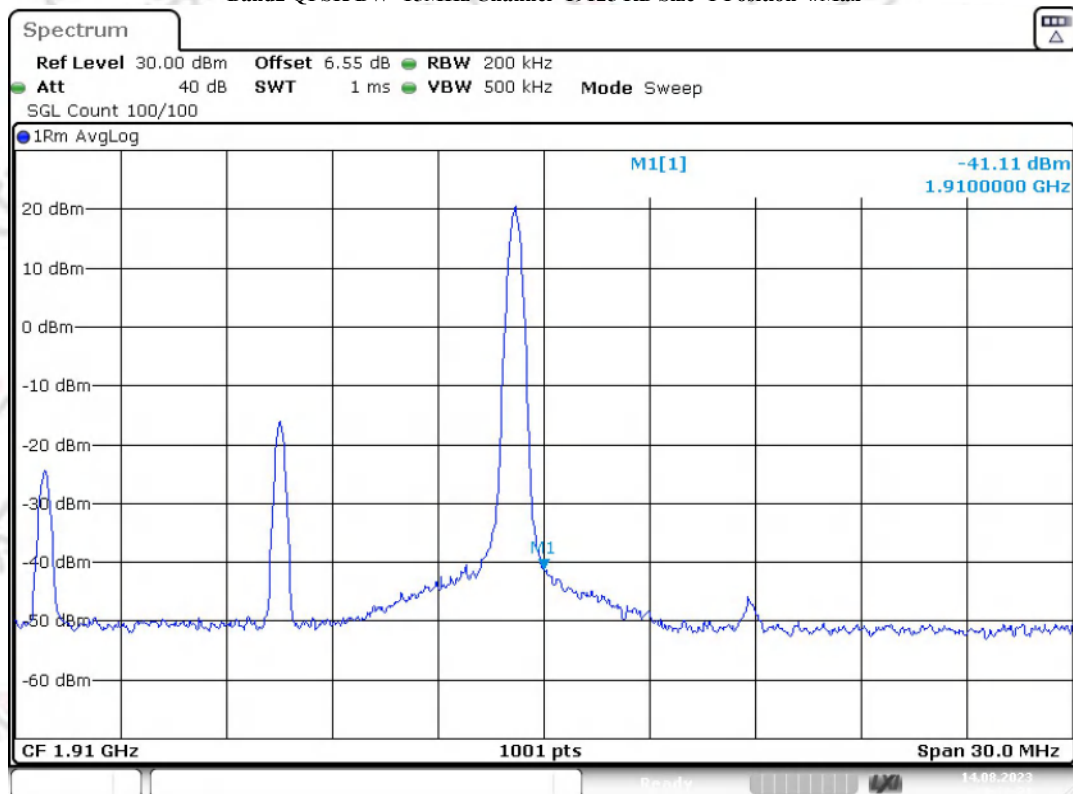
Date: 14.AUG.2023 22:32:08

Band2 QPSK BW=15MHz Channel=19125 RB Size=1 Position=#0



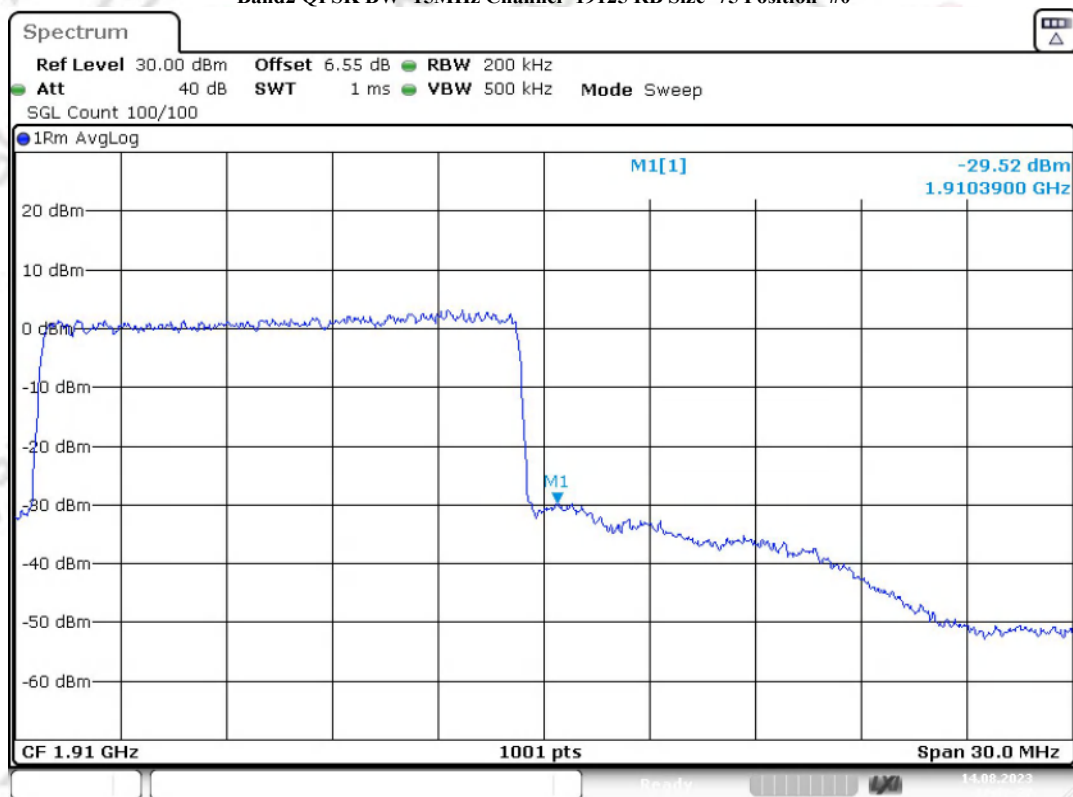
Date: 14.AUG.2023 22:32:16

Band2 QPSK BW=15MHz Channel=19125 RB Size=1 Position=#Max



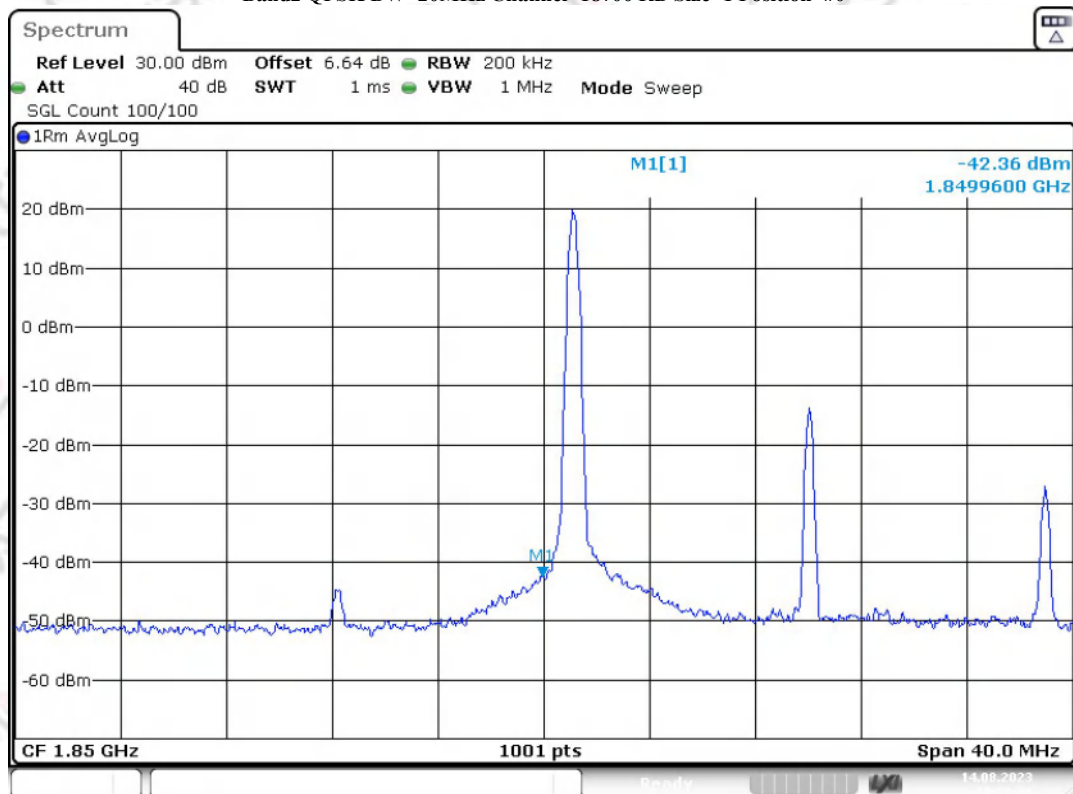
Date: 14.AUG.2023 22:32:21

Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



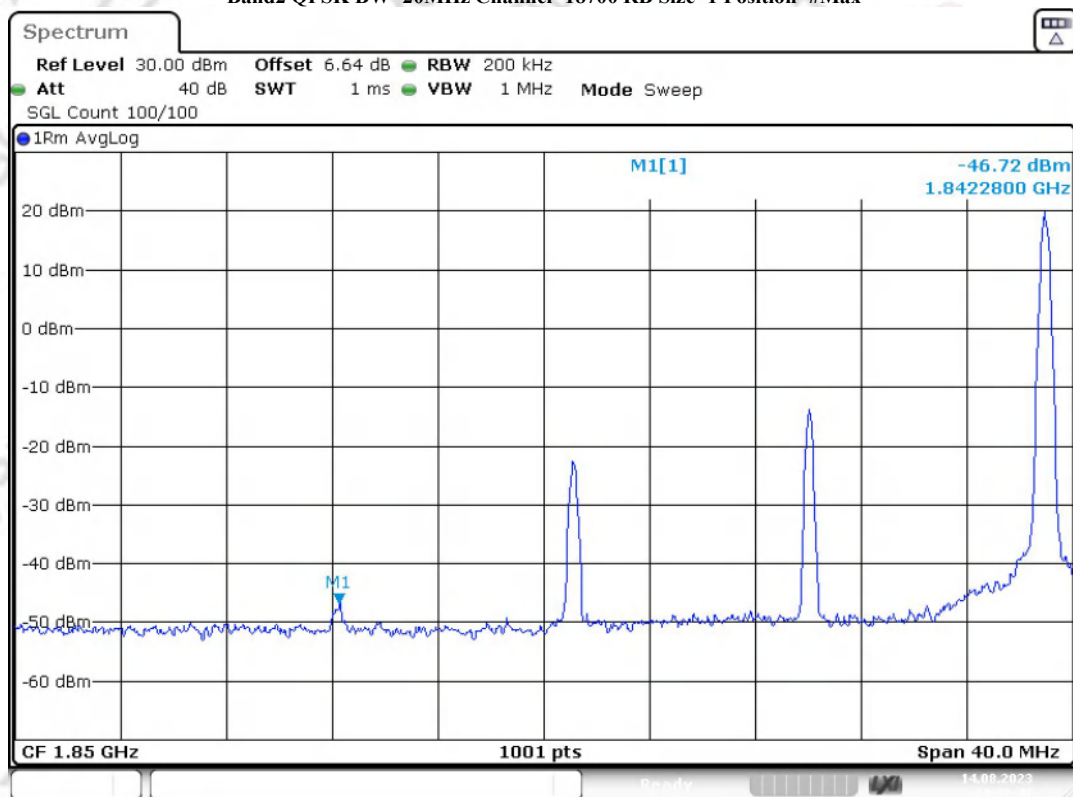
Date: 14.AUG.2023 22:32:27

Band2 QPSK BW=20MHz Channel=18700 RB Size=1 Position=#0



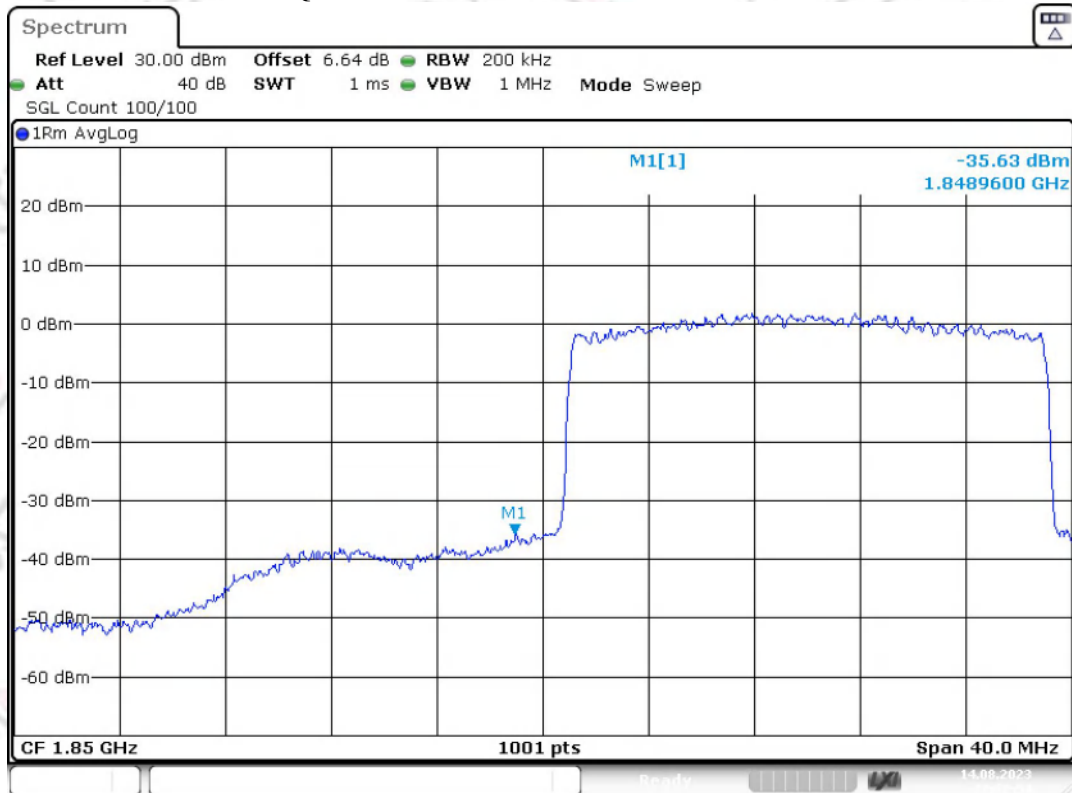
Date: 14.AUG.2023 22:32:38

Band2 QPSK BW=20MHz Channel=18700 RB Size=1 Position=#Max



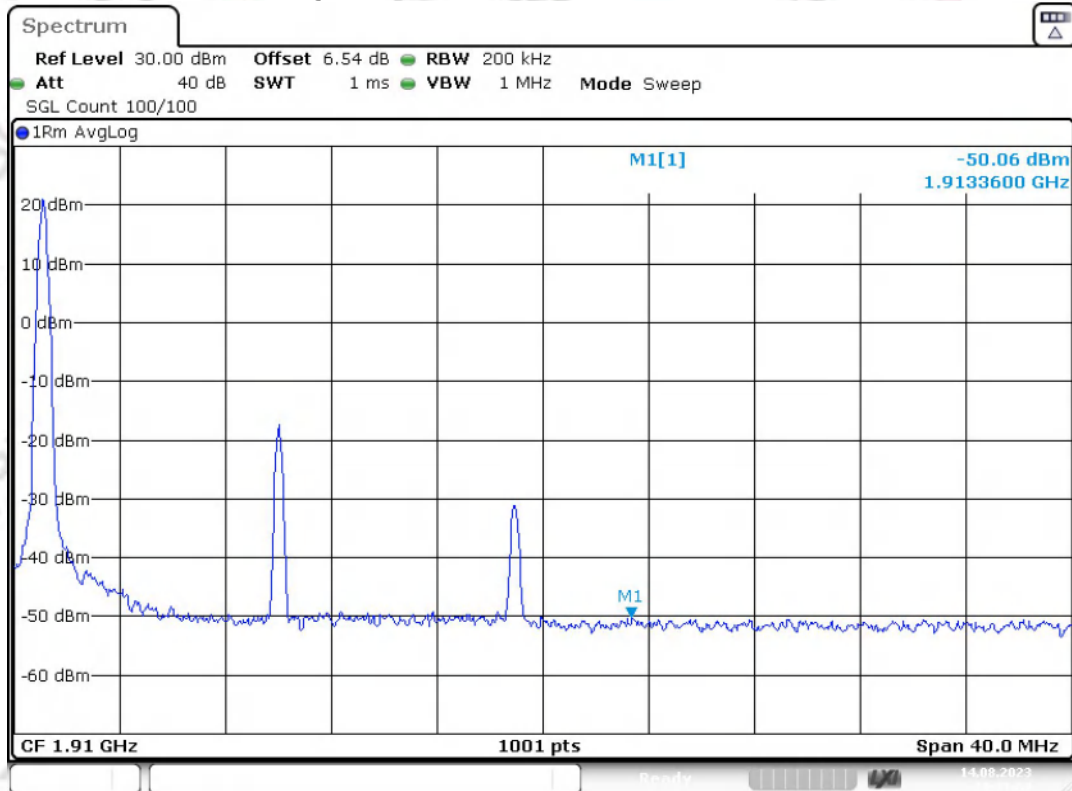
Date: 14.AUG.2023 22:32:46

Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



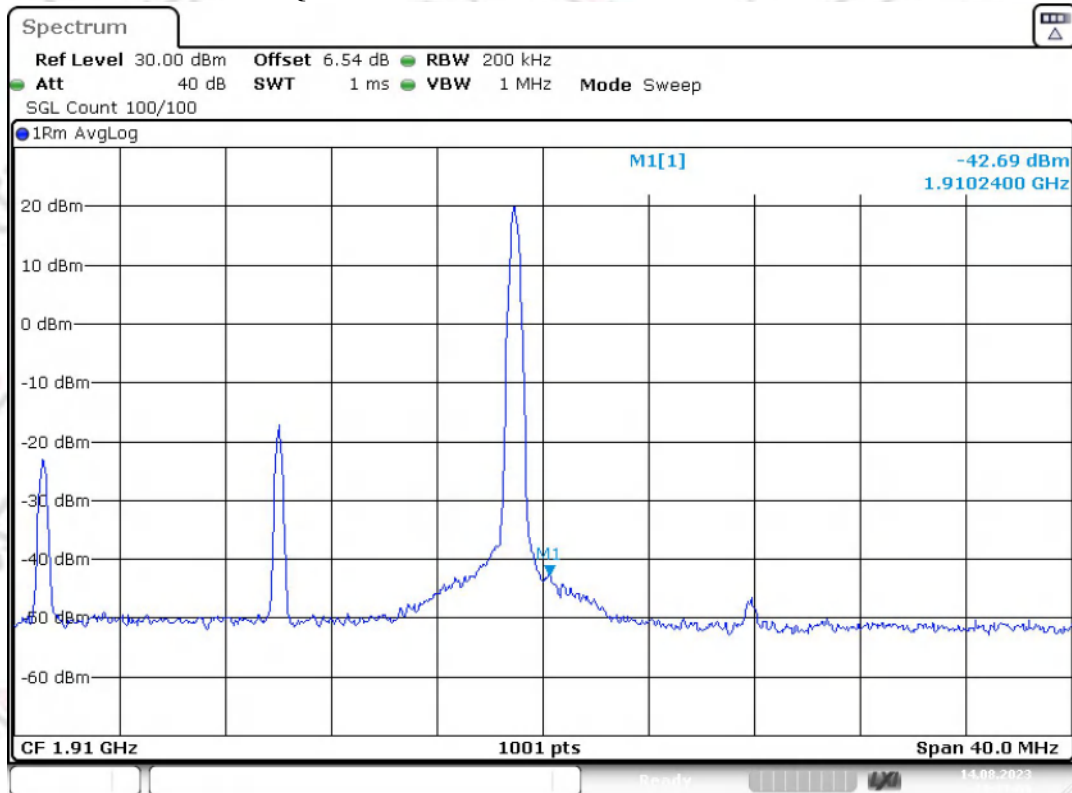
Date: 14.AUG.2023 22:32:54

Band2 QPSK BW=20MHz Channel=19100 RB Size=1 Position=#0



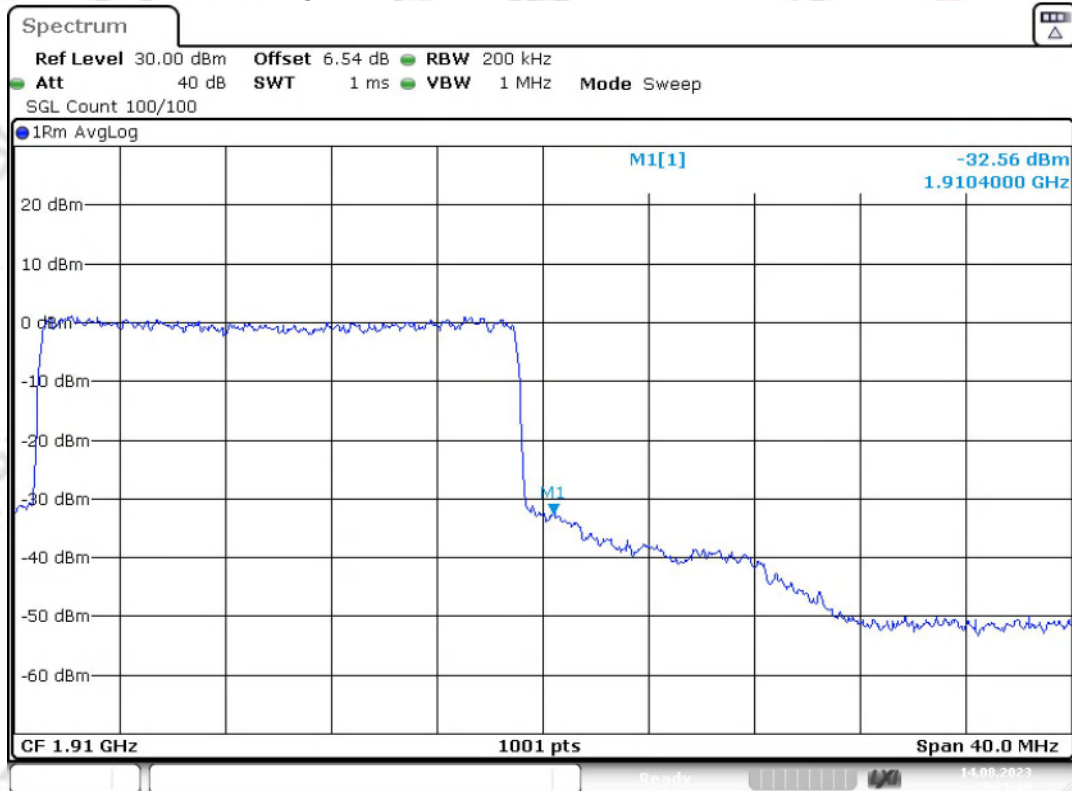
Date: 14.AUG.2023 22:33:02

Band2 QPSK BW=20MHz Channel=19100 RB Size=1 Position=#Max



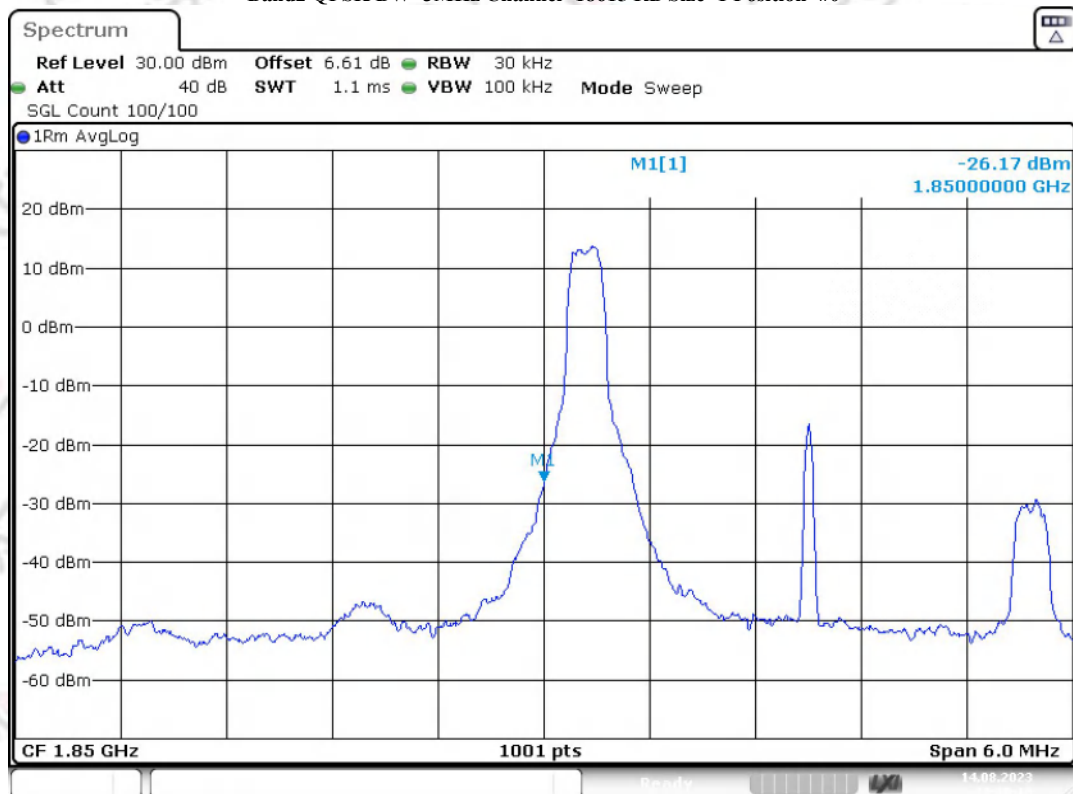
Date: 14.AUG.2023 22:33:09

Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0



Date: 14.AUG.2023 22:33:16

Band2 QPSK BW=3MHz Channel=18615 RB Size=1 Position=#0



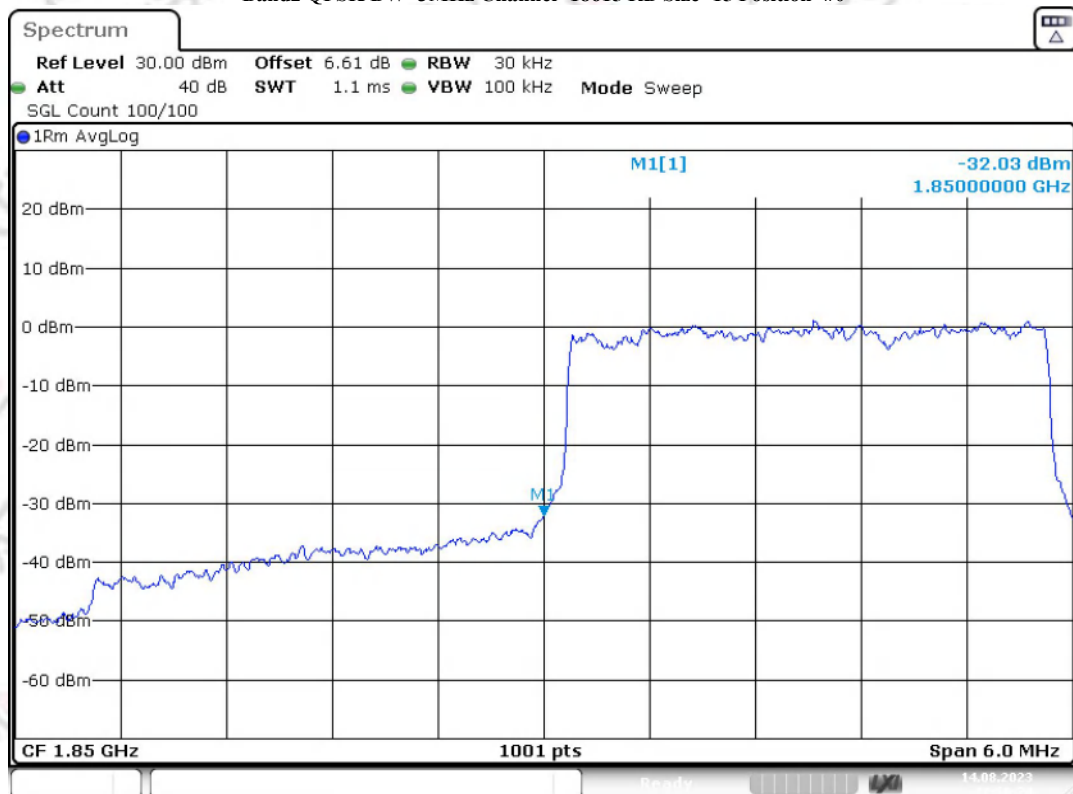
Date: 14.AUG.2023 22:30:16

Band2 QPSK BW=3MHz Channel=18615 RB Size=1 Position=#Max



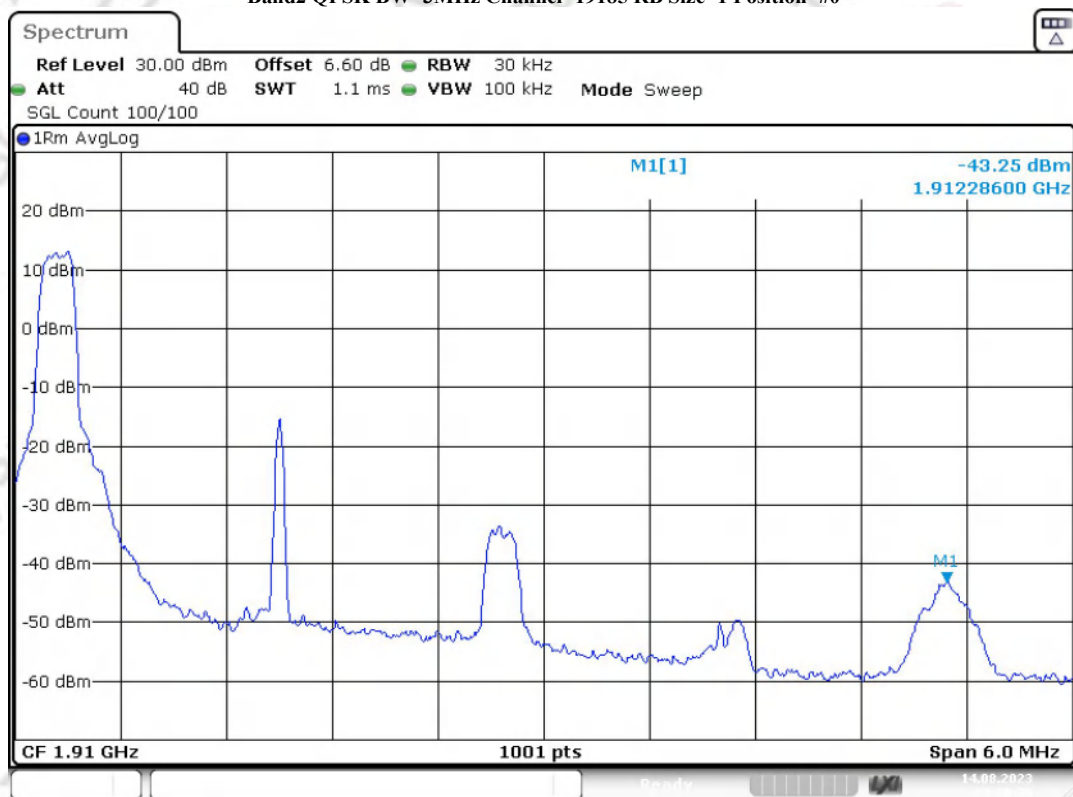
Date: 14.AUG.2023 22:30:20

Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



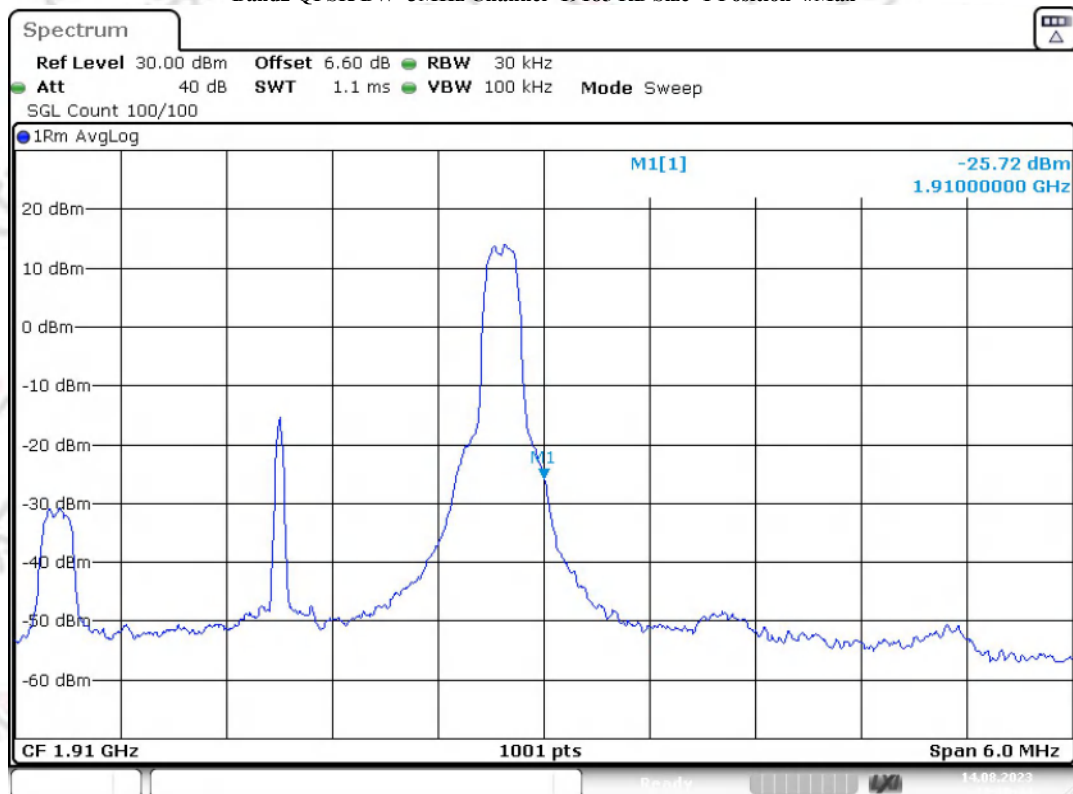
Date: 14.AUG.2023 22:30:24

Band2 QPSK BW=3MHz Channel=19185 RB Size=1 Position=#0



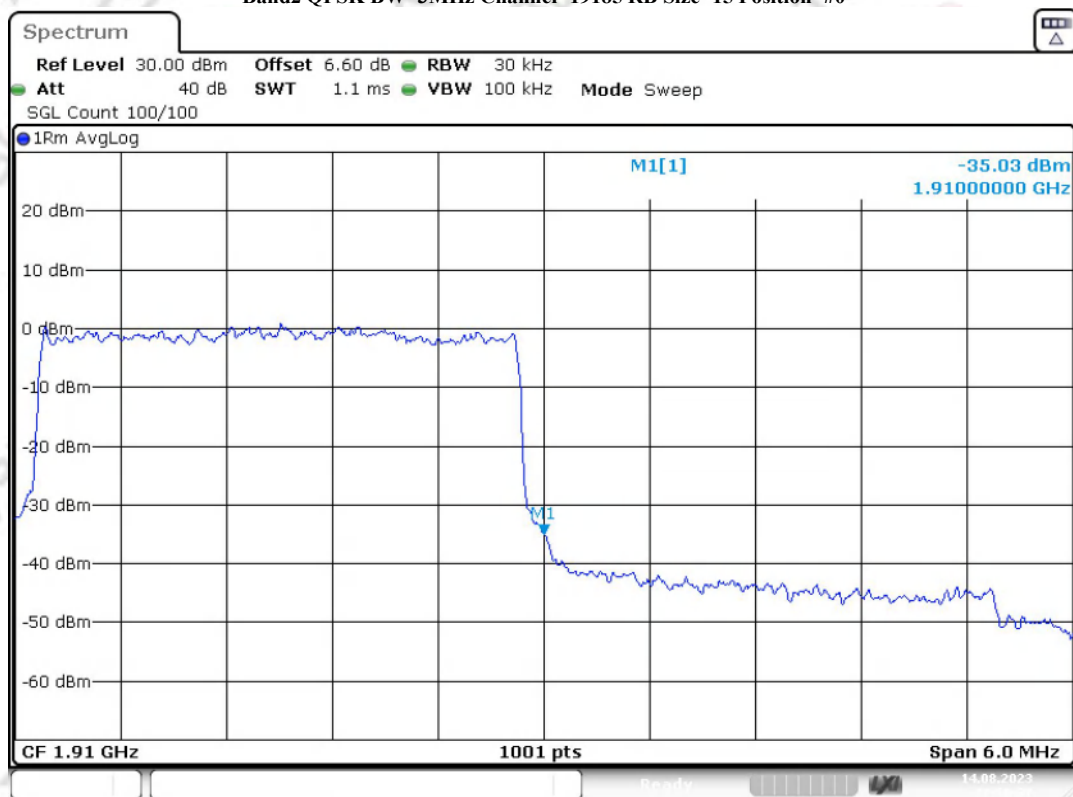
Date: 14.AUG.2023 22:30:30

Band2 QPSK BW=3MHz Channel=19185 RB Size=1 Position=#Max



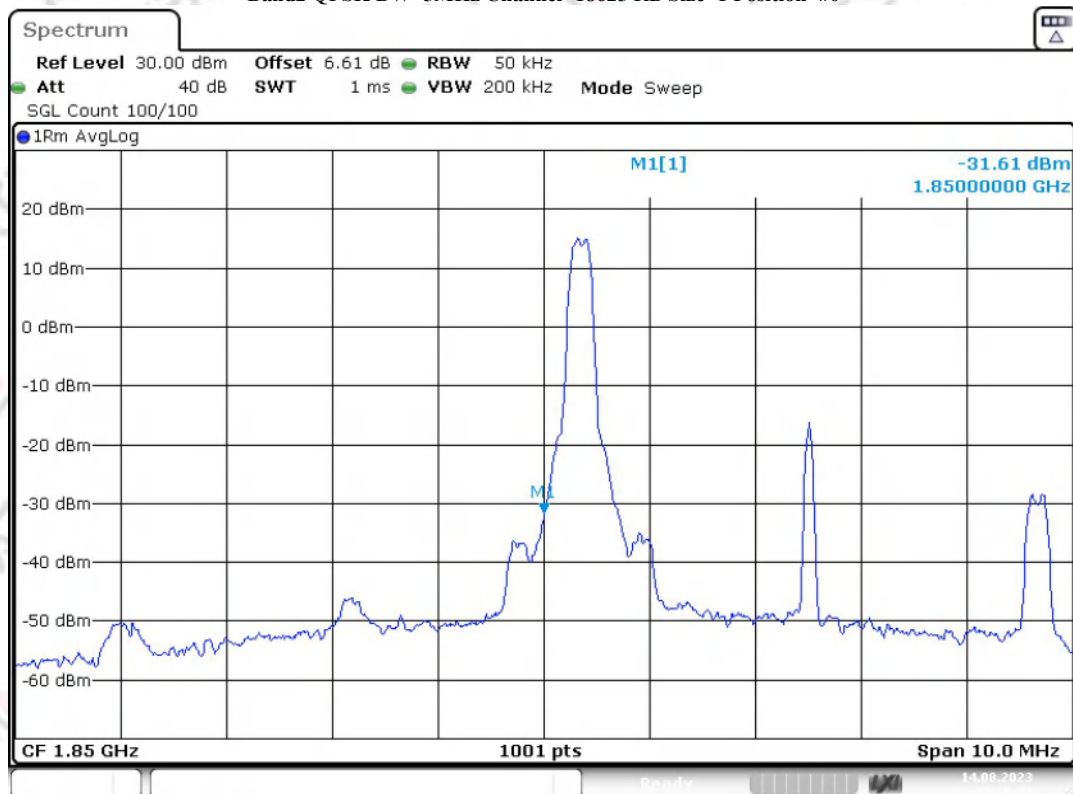
Date: 14.AUG.2023 22:30:33

Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



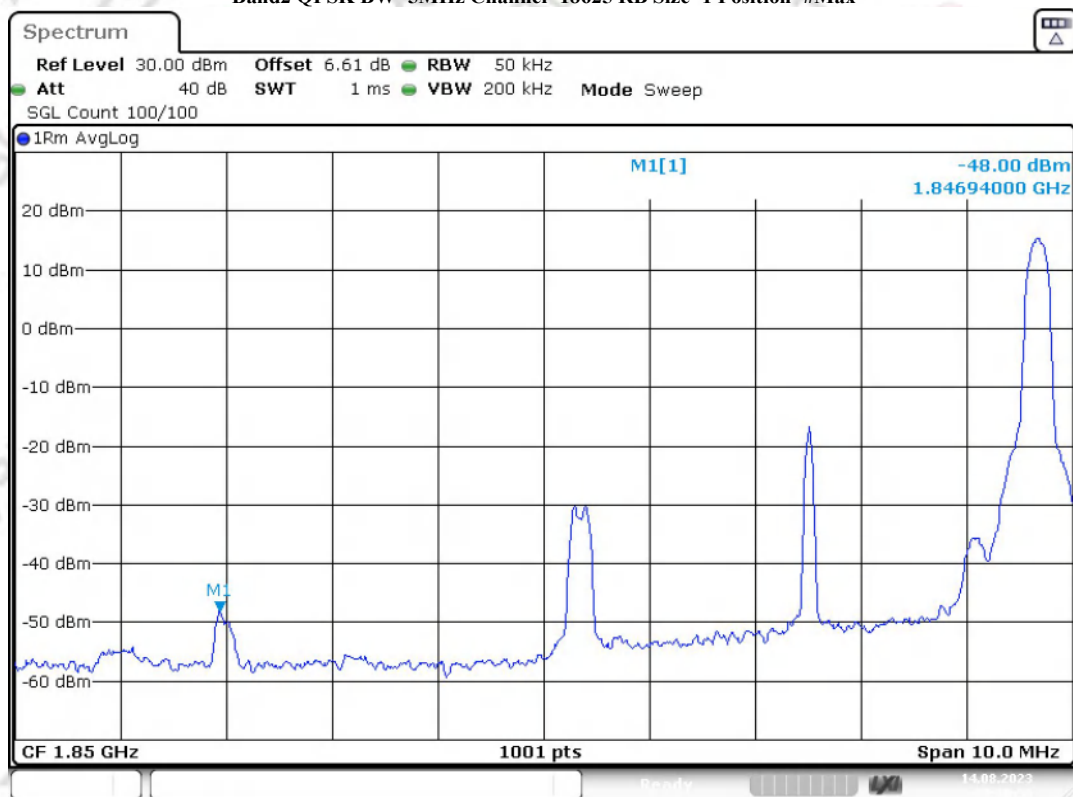
Date: 14.AUG.2023 22:30:37

Band2 QPSK BW=5MHz Channel=18625 RB Size=1 Position=#0



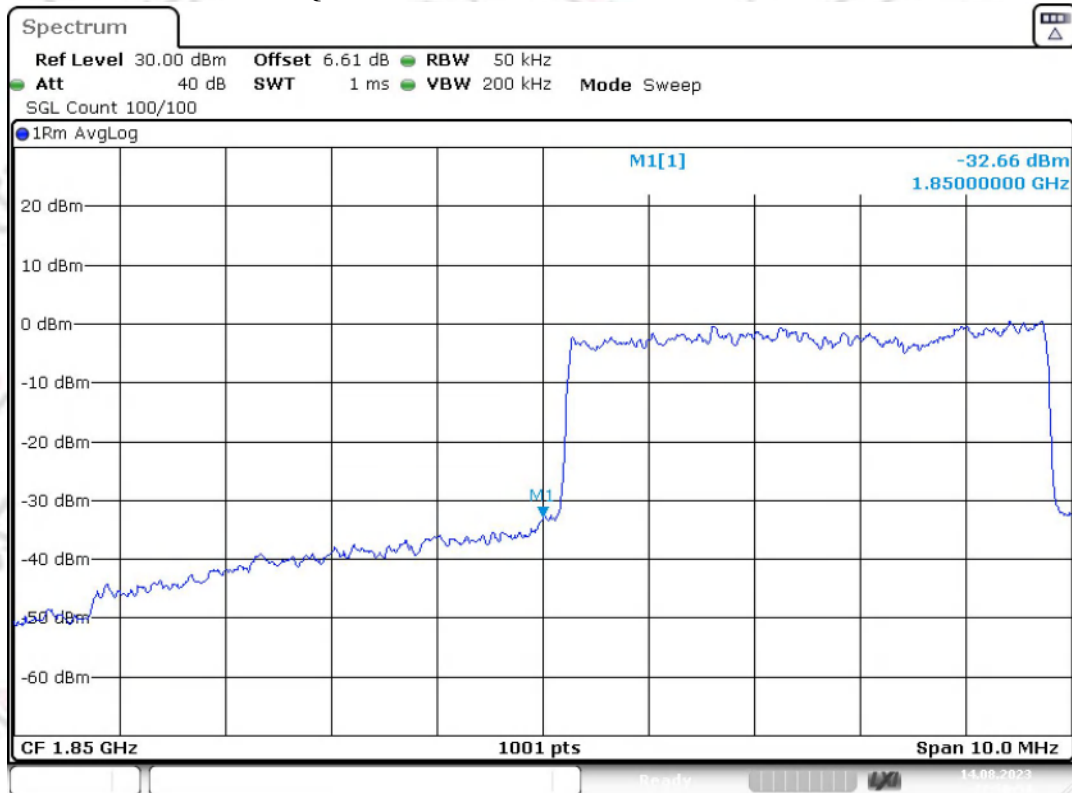
Date: 14.AUG.2023 22:30:45

Band2 QPSK BW=5MHz Channel=18625 RB Size=1 Position=#Max



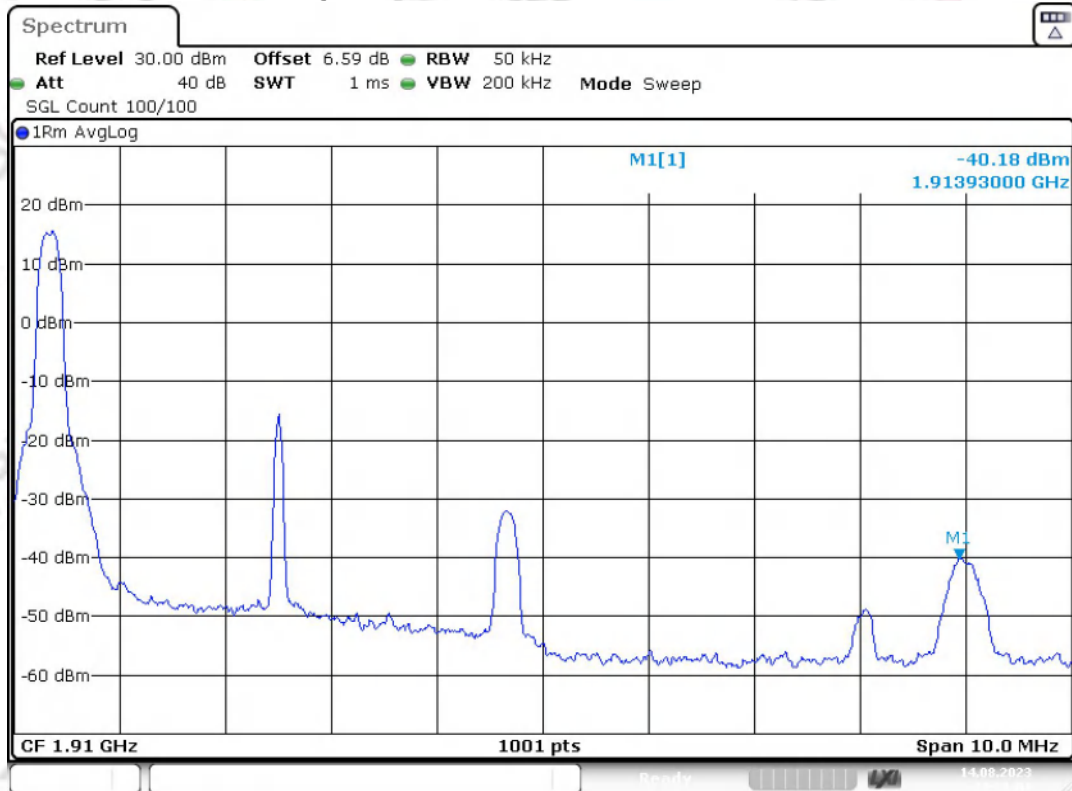
Date: 14.AUG.2023 22:30:50

Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



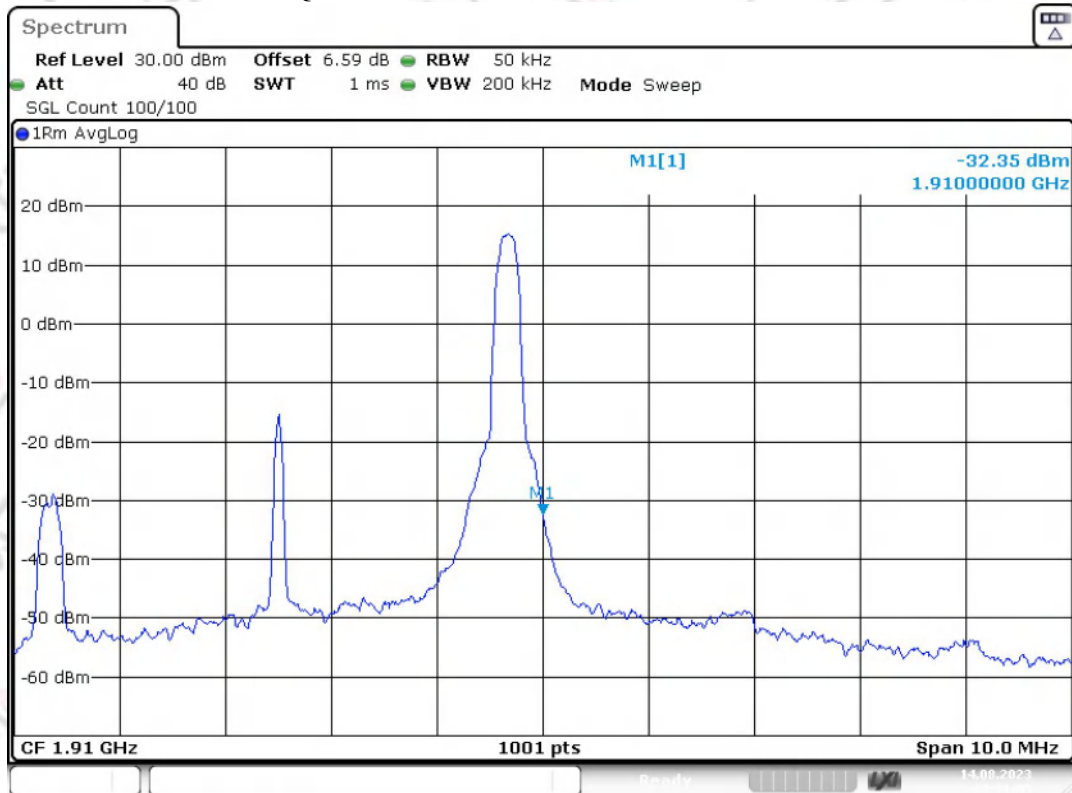
Date: 14.AUG.2023 22:30:55

Band2 QPSK BW=5MHz Channel=19175 RB Size=1 Position=#0



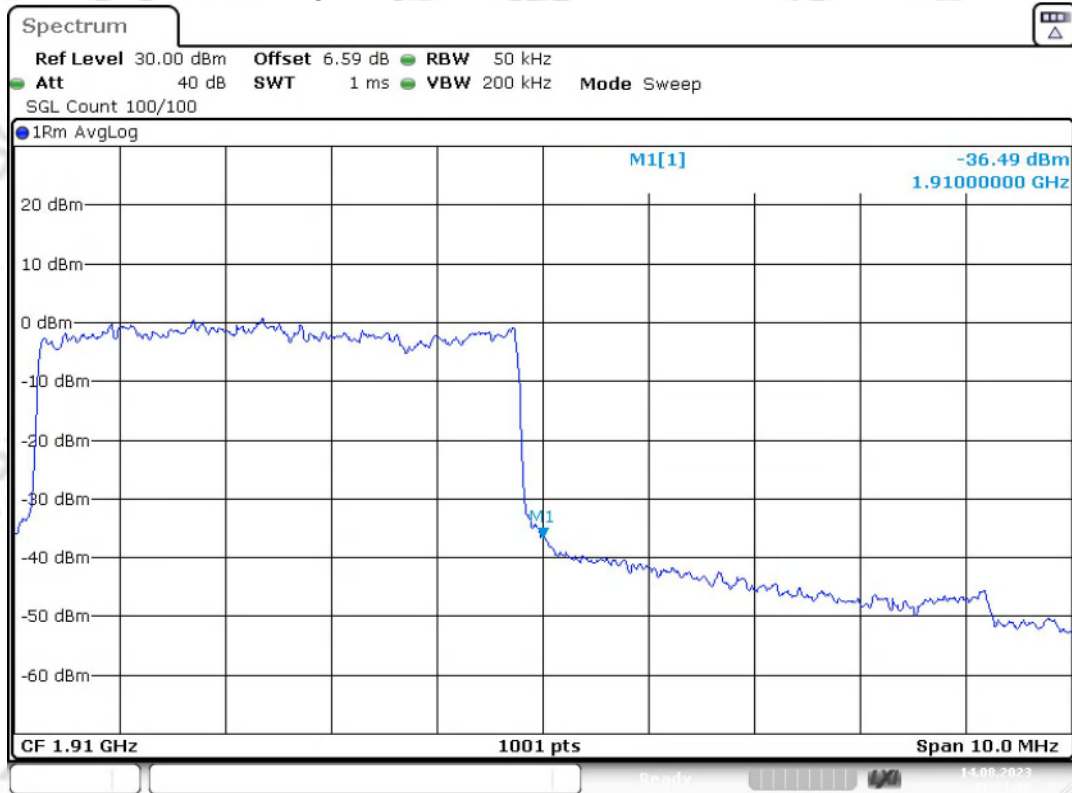
Date: 14.AUG.2023 22:31:01

Band2 QPSK BW=5MHz Channel=19175 RB Size=1 Position=#Max



Date: 14.AUG.2023 22:31:06

Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0

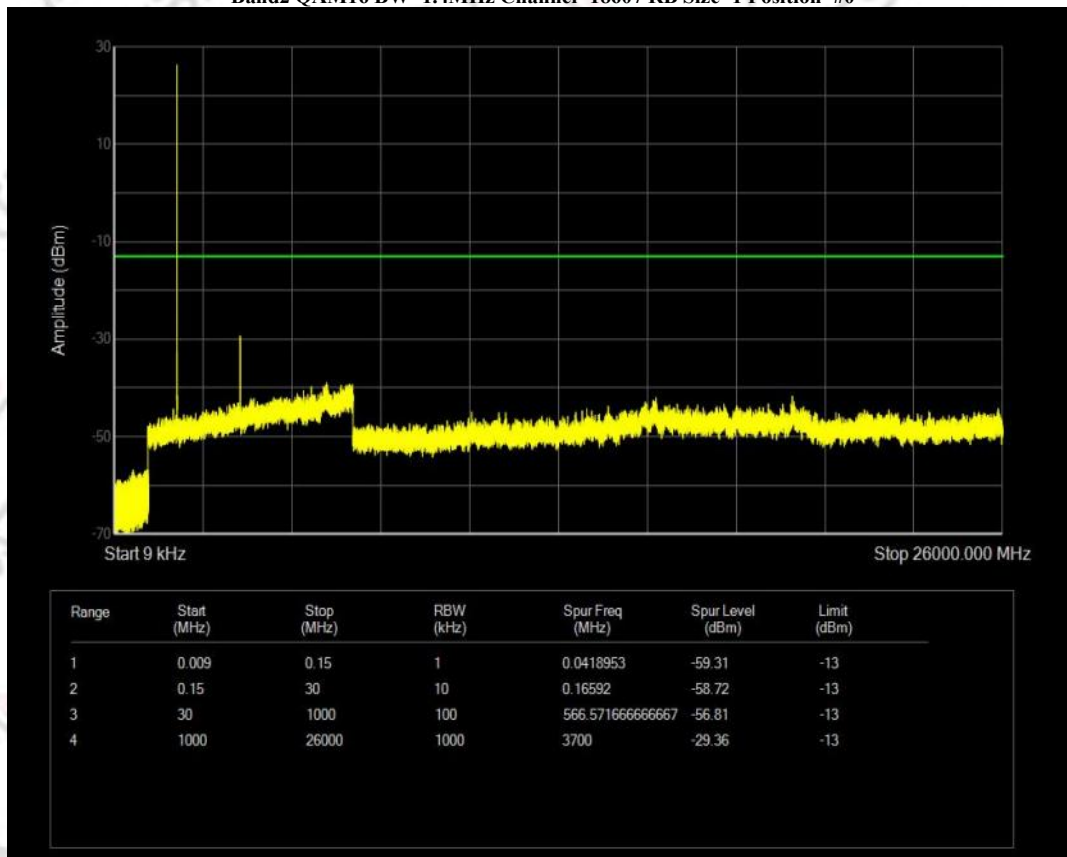


Date: 14.AUG.2023 22:31:10

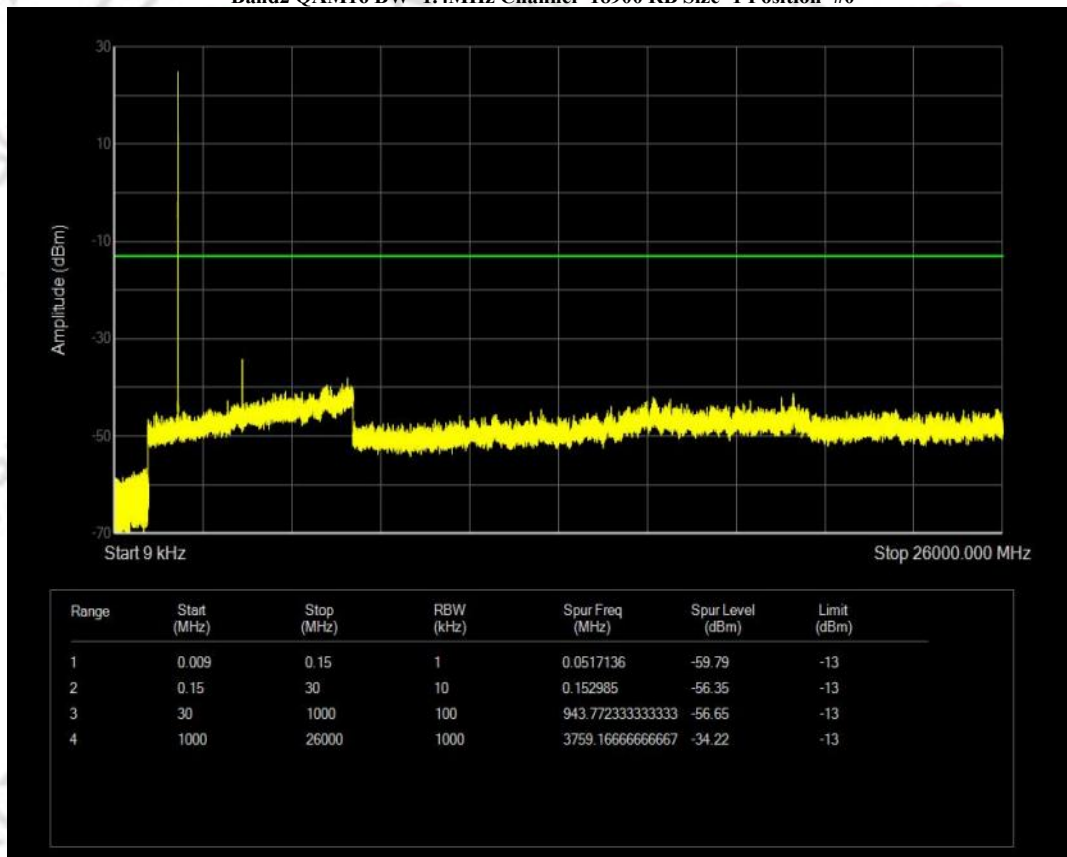
## 06 Out-of-band emissions

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-----------------|------------------|-------------|---------|
| Band2 | 1.4             | 18607      | 1       | #0          | QAM16      | 3700.00         | -29.36           | -13         | PASS    |
| Band2 | 1.4             | 18900      | 1       | #0          | QAM16      | 3759.17         | -34.22           | -13         | PASS    |
| Band2 | 1.4             | 19193      | 1       | #0          | QAM16      | 3817.50         | -37.49           | -13         | PASS    |
| Band2 | 3               | 18615      | 1       | #0          | QAM16      | 3700.83         | -35.05           | -13         | PASS    |
| Band2 | 3               | 18900      | 1       | #0          | QAM16      | 3757.50         | -36.83           | -13         | PASS    |
| Band2 | 3               | 19185      | 1       | #0          | QAM16      | 3814.17         | -36.30           | -13         | PASS    |
| Band2 | 5               | 18625      | 1       | #0          | QAM16      | 3700.83         | -33.56           | -13         | PASS    |
| Band2 | 5               | 18900      | 1       | #0          | QAM16      | 3755.83         | -36.61           | -13         | PASS    |
| Band2 | 5               | 19175      | 1       | #0          | QAM16      | 3810.83         | -35.19           | -13         | PASS    |
| Band2 | 1.4             | 18607      | 1       | #0          | QPSK       | 3700.00         | -30.10           | -13         | PASS    |
| Band2 | 1.4             | 18900      | 1       | #0          | QPSK       | 3759.17         | -33.89           | -13         | PASS    |
| Band2 | 1.4             | 19193      | 1       | #0          | QPSK       | 3817.50         | -34.78           | -13         | PASS    |
| Band2 | 10              | 18650      | 1       | #0          | QPSK       | 3700.83         | -32.81           | -13         | PASS    |
| Band2 | 10              | 18900      | 1       | #0          | QPSK       | 3750.83         | -33.69           | -13         | PASS    |
| Band2 | 10              | 19150      | 1       | #0          | QPSK       | 5701.67         | -38.76           | -13         | PASS    |
| Band2 | 15              | 18675      | 1       | #0          | QPSK       | 3701.67         | -29.81           | -13         | PASS    |
| Band2 | 15              | 18900      | 1       | #0          | QPSK       | 3745.83         | -32.99           | -13         | PASS    |
| Band2 | 15              | 19125      | 1       | #0          | QPSK       | 3791.67         | -32.67           | -13         | PASS    |
| Band2 | 20              | 18700      | 1       | #0          | QPSK       | 3701.67         | -30.98           | -13         | PASS    |
| Band2 | 20              | 18900      | 1       | #0          | QPSK       | 3741.67         | -33.90           | -13         | PASS    |
| Band2 | 20              | 19100      | 1       | #0          | QPSK       | 3781.67         | -35.23           | -13         | PASS    |
| Band2 | 3               | 18615      | 1       | #0          | QPSK       | 3700.83         | -35.02           | -13         | PASS    |
| Band2 | 3               | 18900      | 1       | #0          | QPSK       | 3757.50         | -36.55           | -13         | PASS    |
| Band2 | 3               | 19185      | 1       | #0          | QPSK       | 3815.00         | -34.96           | -13         | PASS    |
| Band2 | 5               | 18625      | 1       | #0          | QPSK       | 3700.83         | -30.08           | -13         | PASS    |
| Band2 | 5               | 18900      | 1       | #0          | QPSK       | 3755.83         | -31.65           | -13         | PASS    |
| Band2 | 5               | 19175      | 1       | #0          | QPSK       | 3810.83         | -33.38           | -13         | PASS    |

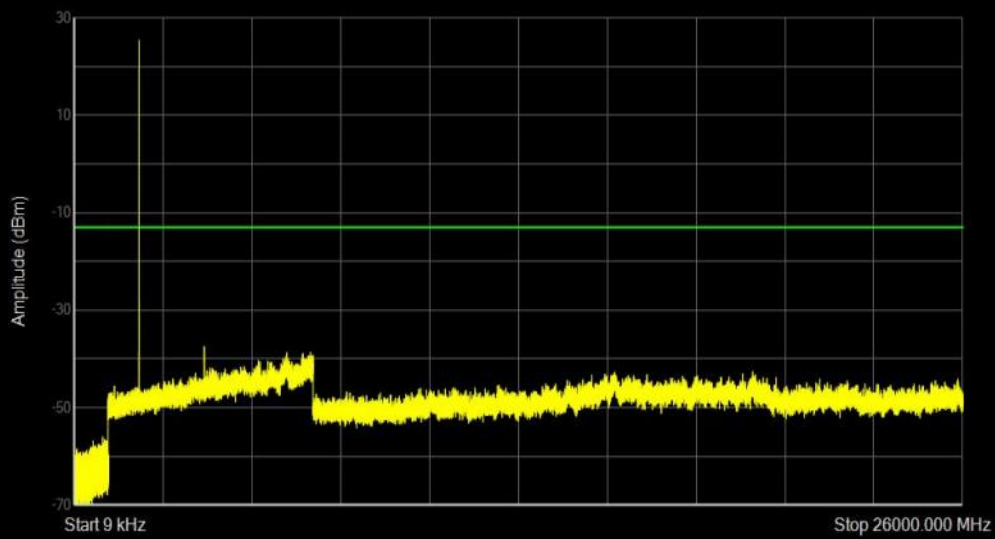
Band2 QAM16 BW=1.4MHz Channel=18607 RB Size=1 Position=#0



Band2 QAM16 BW=1.4MHz Channel=18900 RB Size=1 Position=#0

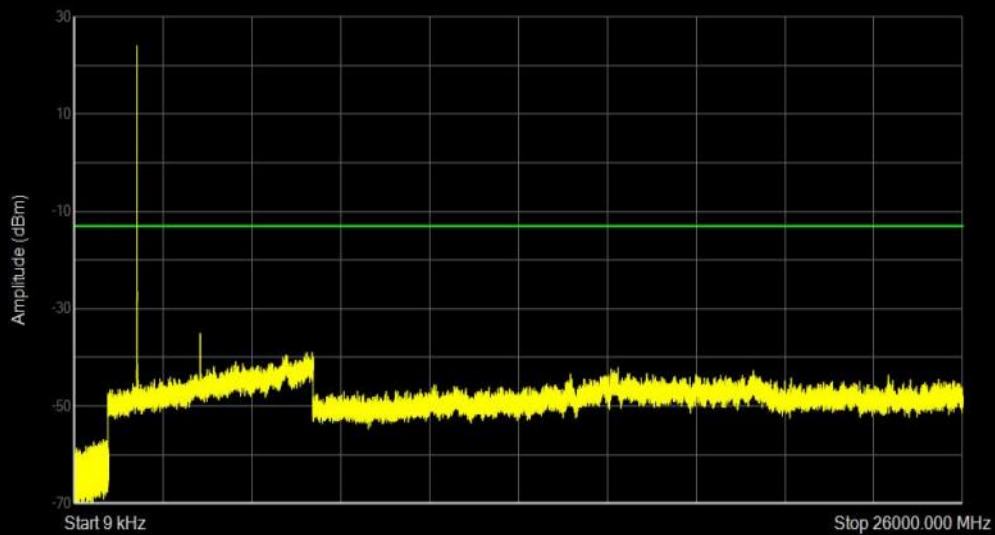


Band2 QAM16 BW=1.4MHz Channel=19193 RB Size=1 Position=#0



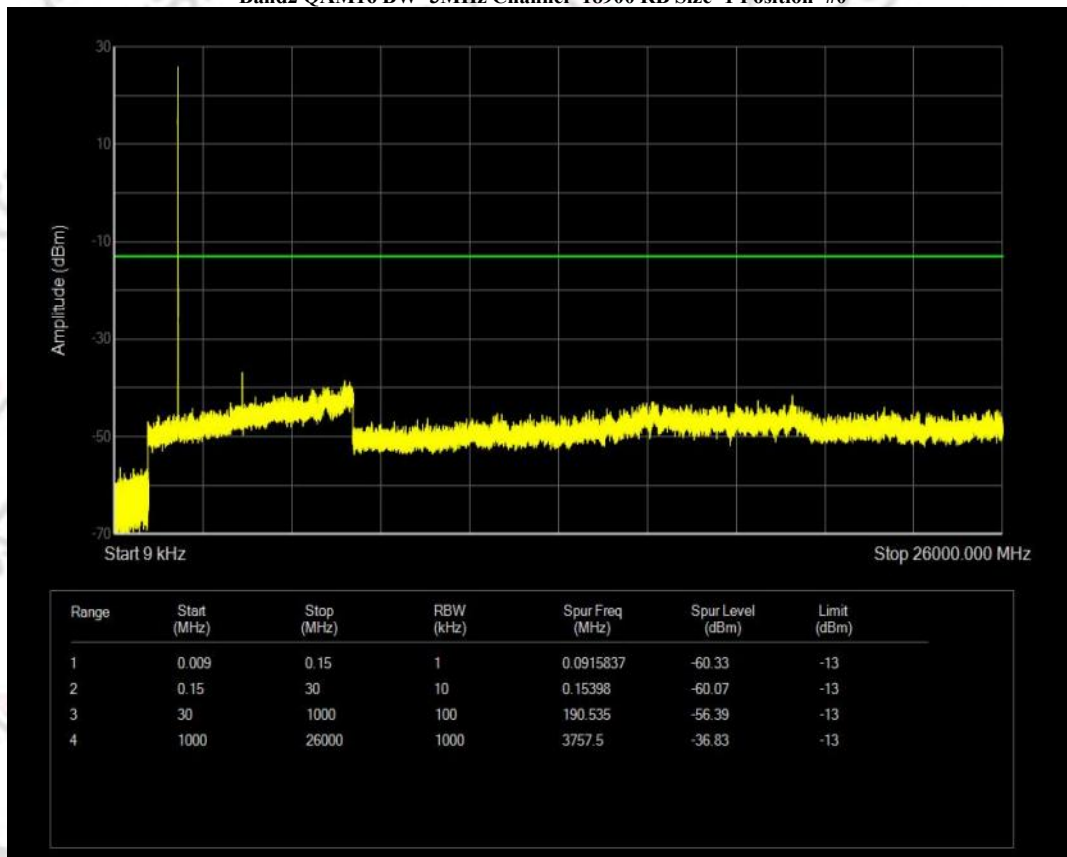
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0481604       | -60.4            | -13         |
| 2     | 0.15        | 30         | 10        | 0.15796         | -58.09           | -13         |
| 3     | 30          | 1000       | 100       | 847.031         | -56.03           | -13         |
| 4     | 1000        | 26000      | 1000      | 3817.5          | -37.49           | -13         |

Band2 QAM16 BW=3MHz Channel=18615 RB Size=1 Position=#0

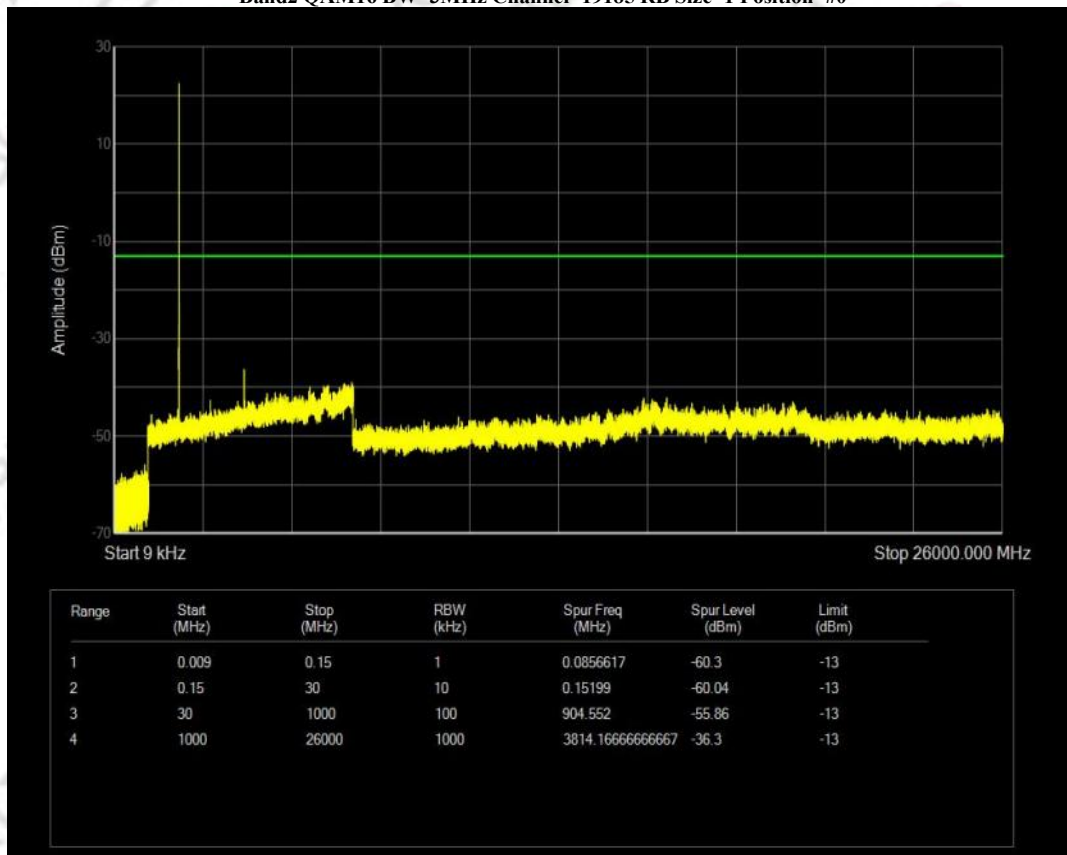


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)    | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|--------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0134556          | -61.16           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15               | -57.17           | -13         |
| 3     | 30          | 1000       | 100       | 864.0383333333333  | -56.87           | -13         |
| 4     | 1000        | 26000      | 1000      | 3700.8333333333333 | -35.05           | -13         |

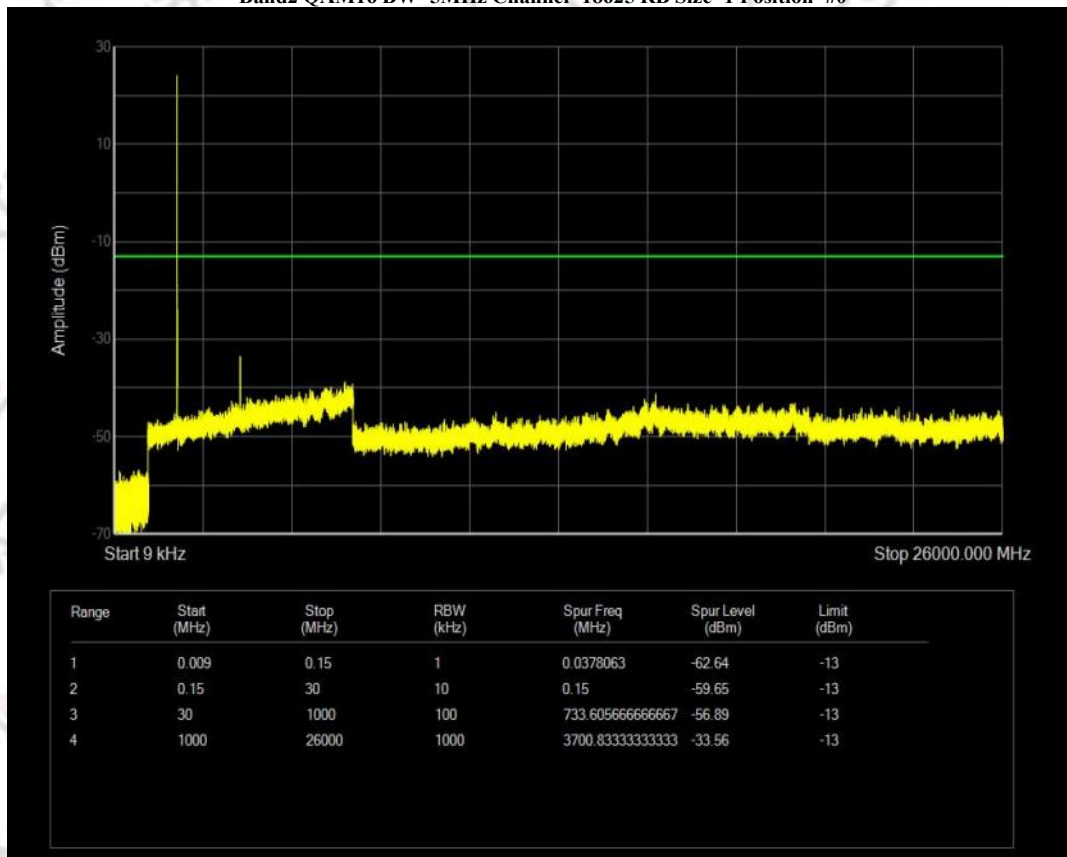
Band2 QAM16 BW=3MHz Channel=18900 RB Size=1 Position=#0



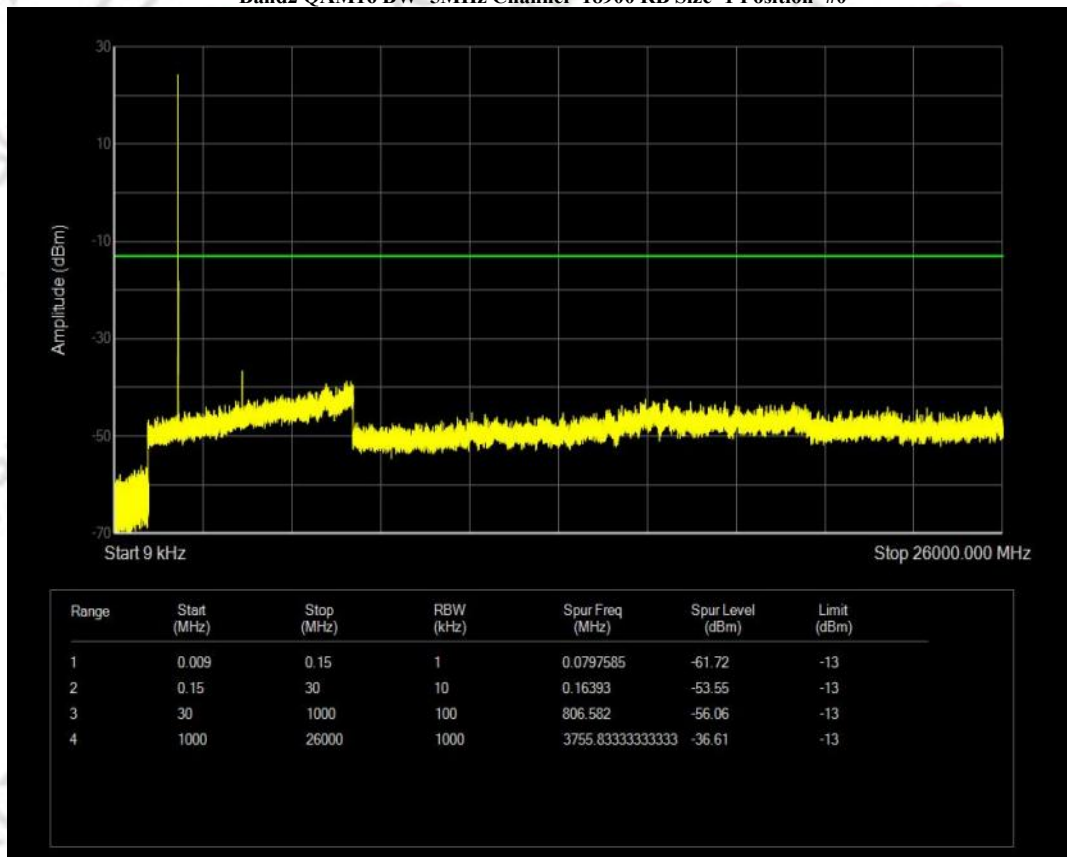
Band2 QAM16 BW=3MHz Channel=19185 RB Size=1 Position=#0



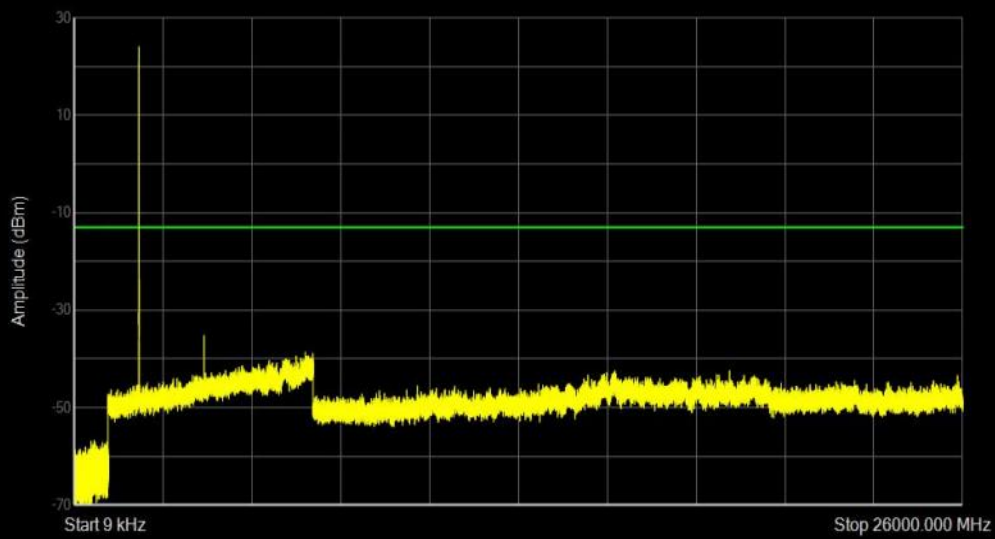
Band2 QAM16 BW=5MHz Channel=18625 RB Size=1 Position=#0



Band2 QAM16 BW=5MHz Channel=18900 RB Size=1 Position=#0

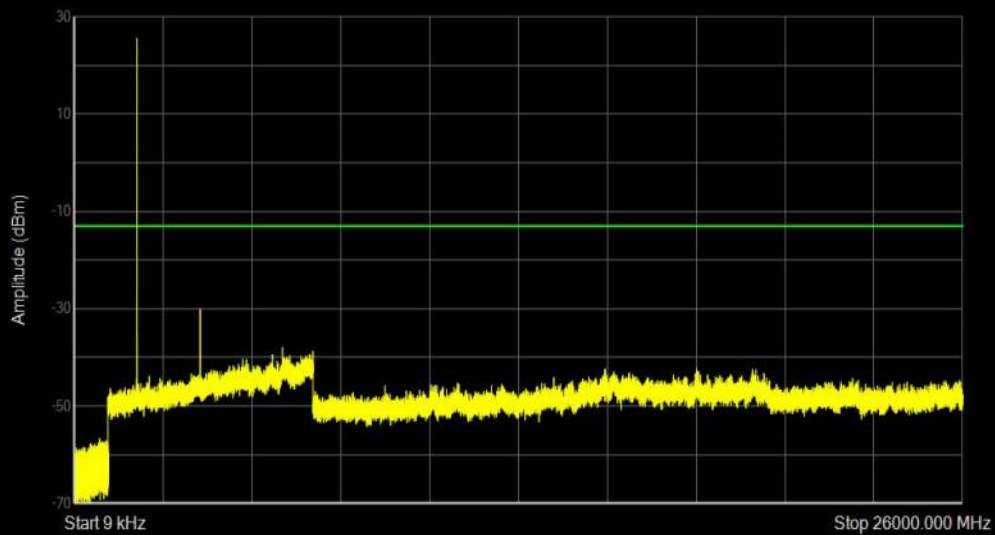


Band2 QAM16 BW=5MHz Channel=19175 RB Size=1 Position=#0



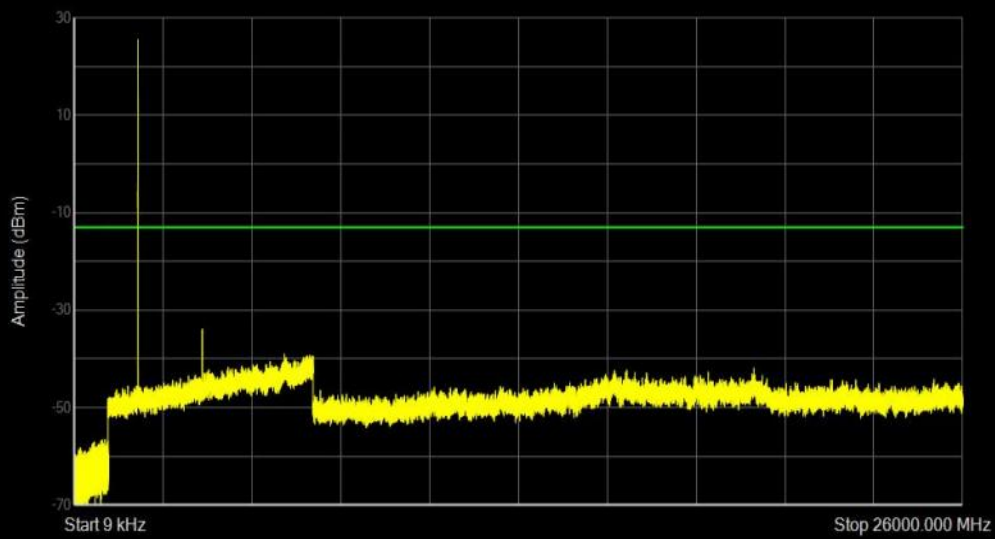
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0984363       | -62.45           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15597         | -61.33           | -13         |
| 3     | 30          | 1000       | 100       | 593.764         | -56.75           | -13         |
| 4     | 1000        | 26000      | 1000      | 3810.8333333333 | -35.19           | -13         |

Band2 QPSK BW=1.4MHz Channel=18607 RB Size=1 Position=#0



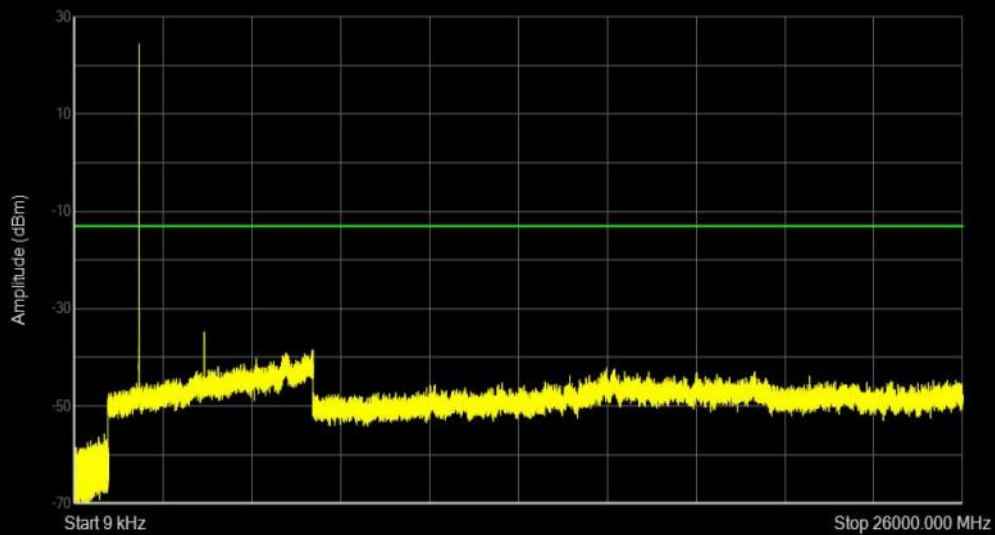
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)  | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.1097962        | -61.08           | -13         |
| 2     | 0.15        | 30         | 10        | 0.152985         | -54.77           | -13         |
| 3     | 30          | 1000       | 100       | 760.830333333333 | -56.69           | -13         |
| 4     | 1000        | 26000      | 1000      | 3700             | -30.1            | -13         |

Band2 QPSK BW=1.4MHz Channel=18900 RB Size=1 Position=#0



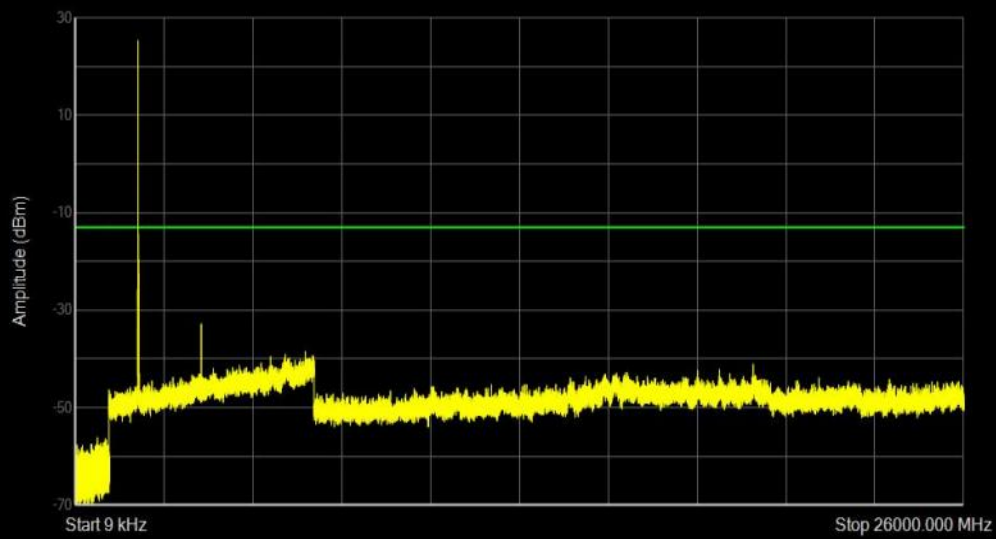
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)   | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.091391          | -60.38           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15              | -59.45           | -13         |
| 3     | 30          | 1000       | 100       | 916.062666666667  | -56.53           | -13         |
| 4     | 1000        | 26000      | 1000      | 3759.166666666667 | -33.89           | -13         |

Band2 QPSK BW=1.4MHz Channel=19193 RB Size=1 Position=#0



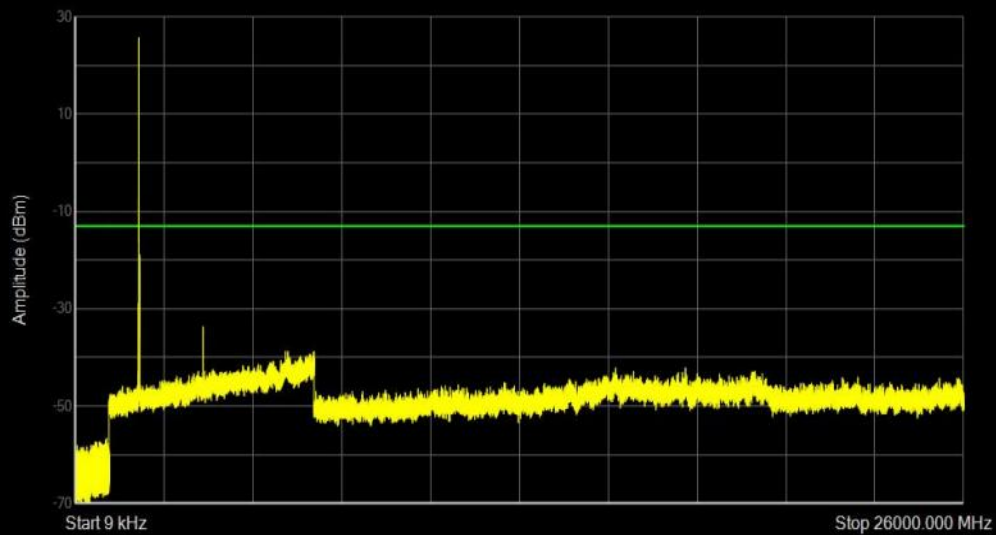
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0482638       | -61.5            | -13         |
| 2     | 0.15        | 30         | 10        | 0.158955        | -54.89           | -13         |
| 3     | 30          | 1000       | 100       | 893.009         | -55.72           | -13         |
| 4     | 1000        | 26000      | 1000      | 3817.5          | -34.78           | -13         |

Band2 QPSK BW=10MHz Channel=18650 RB Size=1 Position=#0



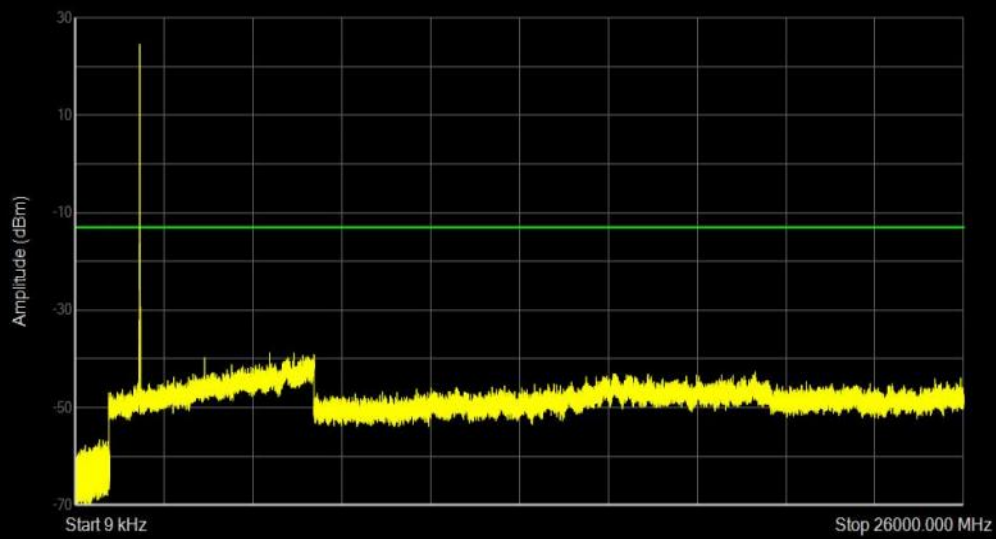
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)  | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0916636        | -61.57           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15             | -57.53           | -13         |
| 3     | 30          | 1000       | 100       | 663.959666666667 | -56.2            | -13         |
| 4     | 1000        | 26000      | 1000      | 3700.83333333333 | -32.81           | -13         |

Band2 QPSK BW=10MHz Channel=18900 RB Size=1 Position=#0



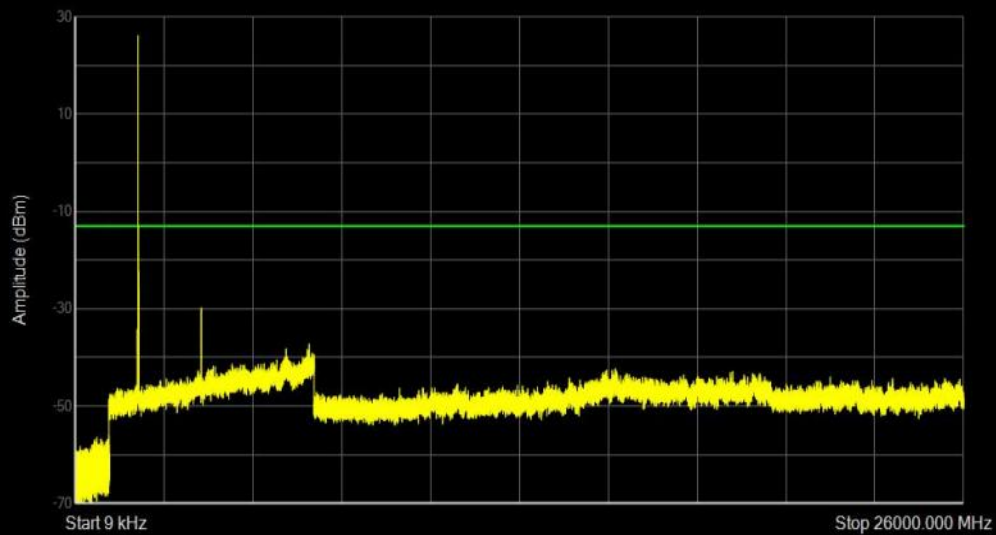
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)  | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0860518        | -59.91           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15             | -57.78           | -13         |
| 3     | 30          | 1000       | 100       | 931.065333333333 | -56.59           | -13         |
| 4     | 1000        | 26000      | 1000      | 3750.83333333333 | -33.69           | -13         |

Band2 QPSK BW=10MHz Channel=19150 RB Size=1 Position=#0



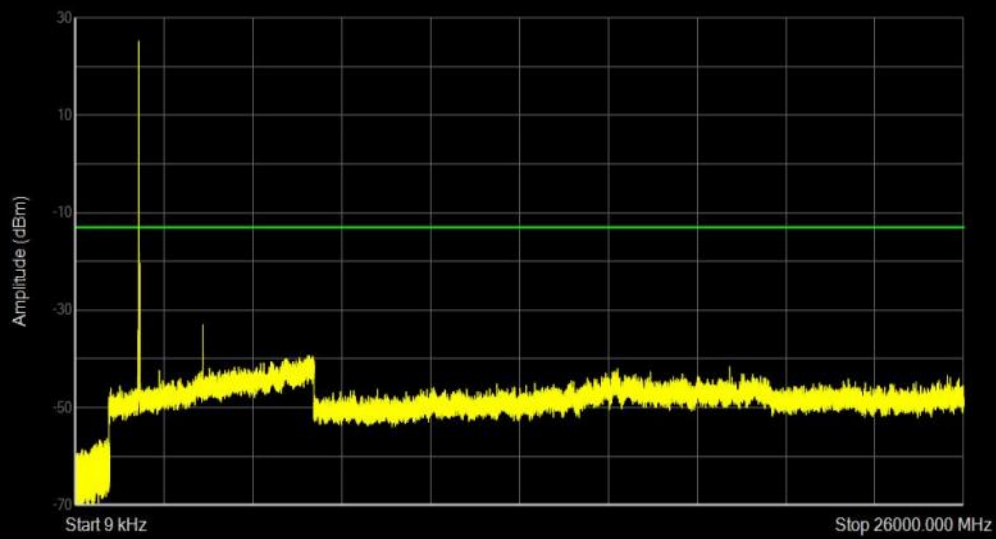
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)  | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0840261        | -60.69           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15398          | -58.75           | -13         |
| 3     | 30          | 1000       | 100       | 725.425333333333 | -56.59           | -13         |
| 4     | 1000        | 26000      | 1000      | 5701.66666666667 | -38.76           | -13         |

Band2 QPSK BW=15MHz Channel=18675 RB Size=1 Position=#0



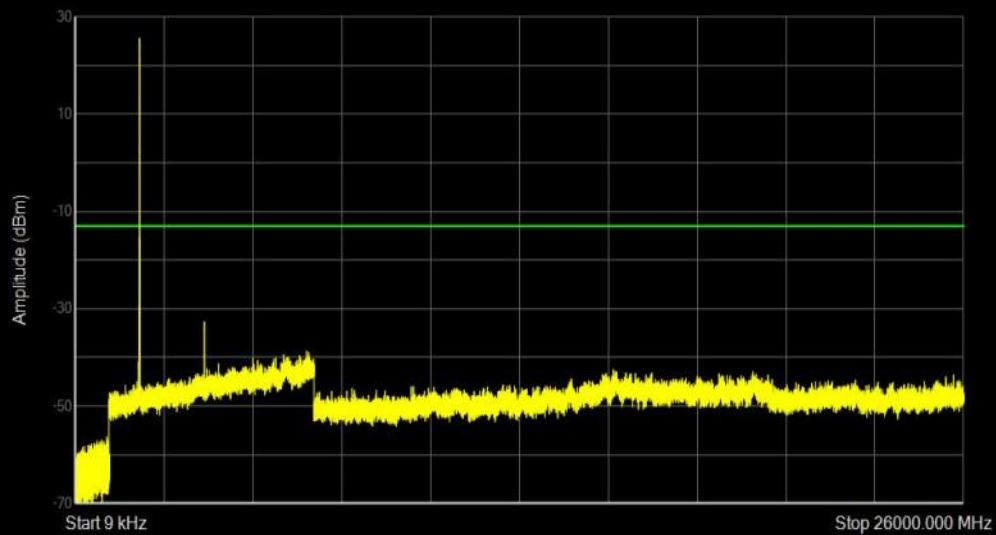
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)  | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0902583        | -59.01           | -13         |
| 2     | 0.15        | 30         | 10        | 0.156965         | -58.31           | -13         |
| 3     | 30          | 1000       | 100       | 991.981333333333 | -55.96           | -13         |
| 4     | 1000        | 26000      | 1000      | 3701.66666666667 | -29.81           | -13         |

Band2 QPSK BW=15MHz Channel=18900 RB Size=1 Position=#0



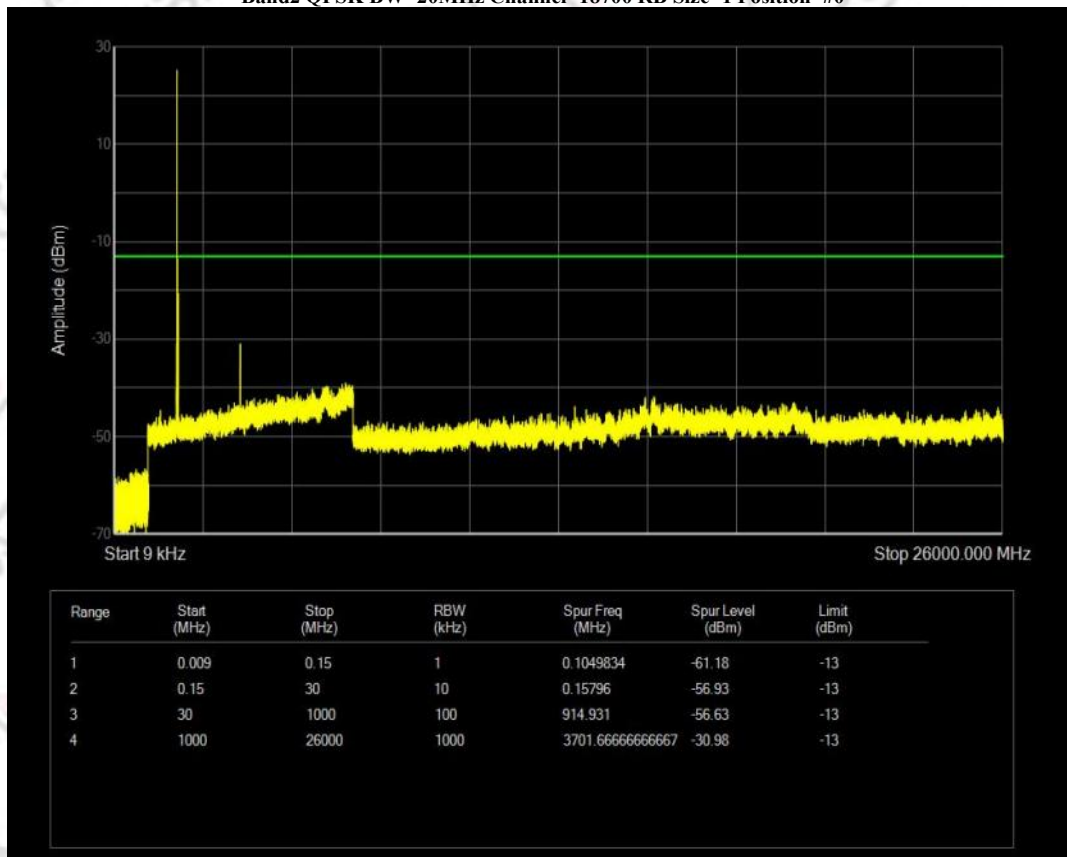
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)  | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0860565        | -59.94           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15             | -58.52           | -13         |
| 3     | 30          | 1000       | 100       | 944.774666666667 | -56.33           | -13         |
| 4     | 1000        | 26000      | 1000      | 3745.83333333333 | -32.99           | -13         |

Band2 QPSK BW=15MHz Channel=19125 RB Size=1 Position=#0

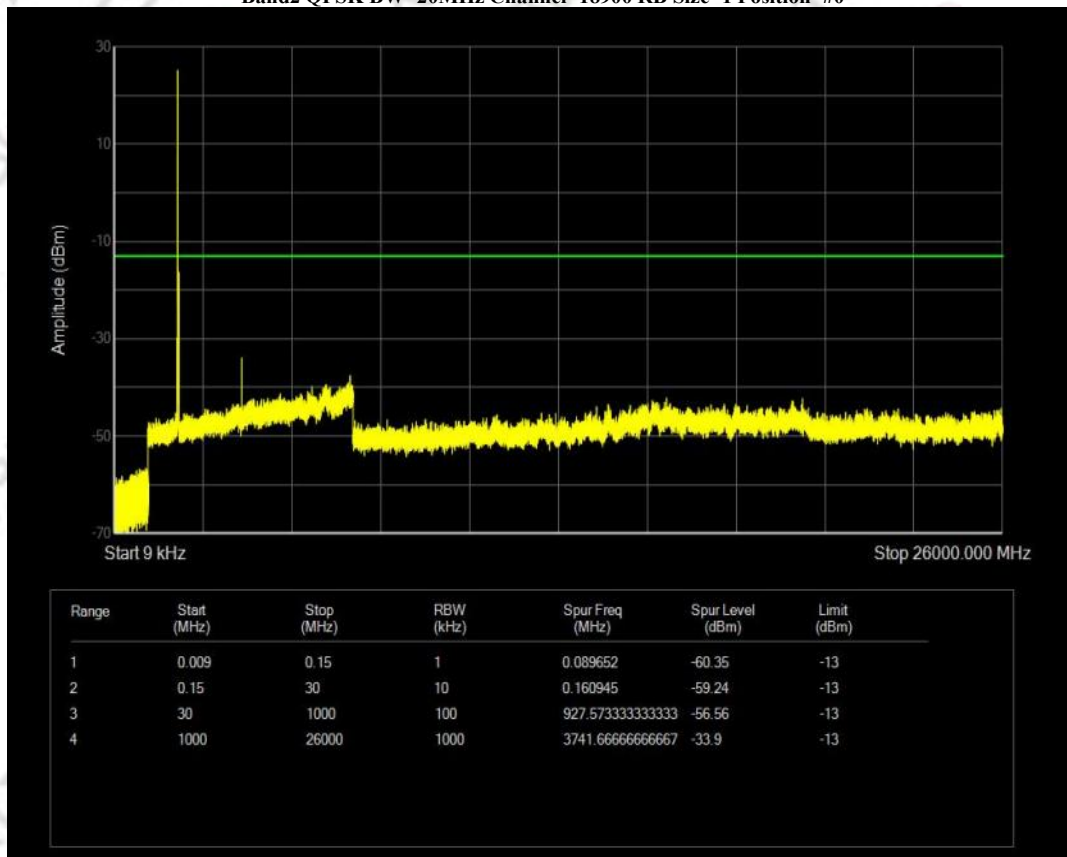


| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)  | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0840214        | -60.06           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15             | -57.58           | -13         |
| 3     | 30          | 1000       | 100       | 933.910666666667 | -56.3            | -13         |
| 4     | 1000        | 26000      | 1000      | 3791.66666666667 | -32.67           | -13         |

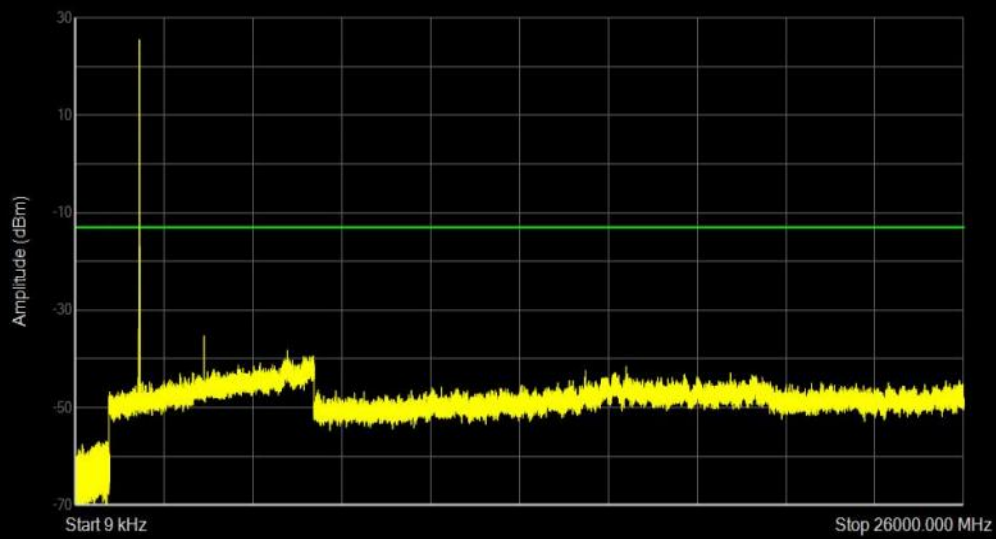
Band2 QPSK BW=20MHz Channel=18700 RB Size=1 Position=#0



Band2 QPSK BW=20MHz Channel=18900 RB Size=1 Position=#0

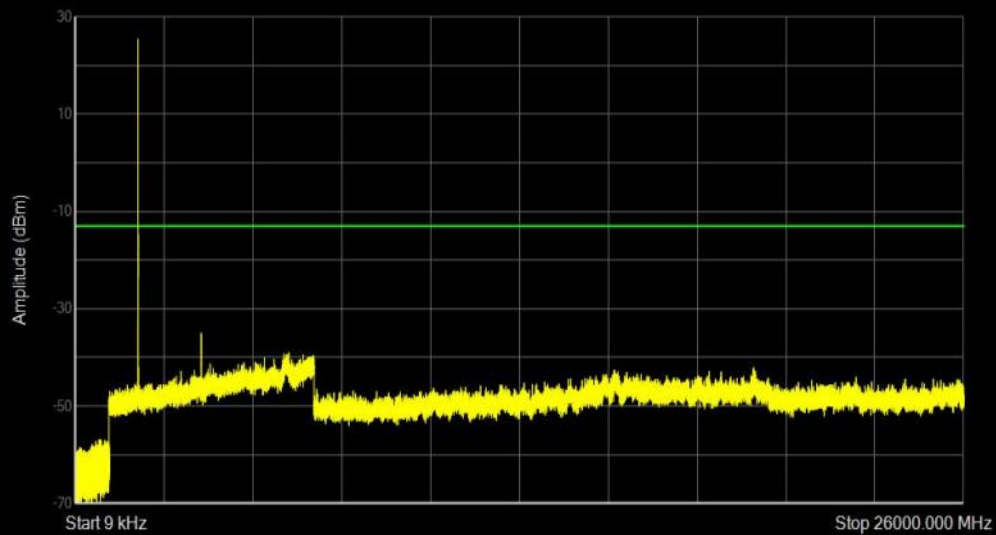


Band2 QPSK BW=20MHz Channel=19100 RB Size=1 Position=#0



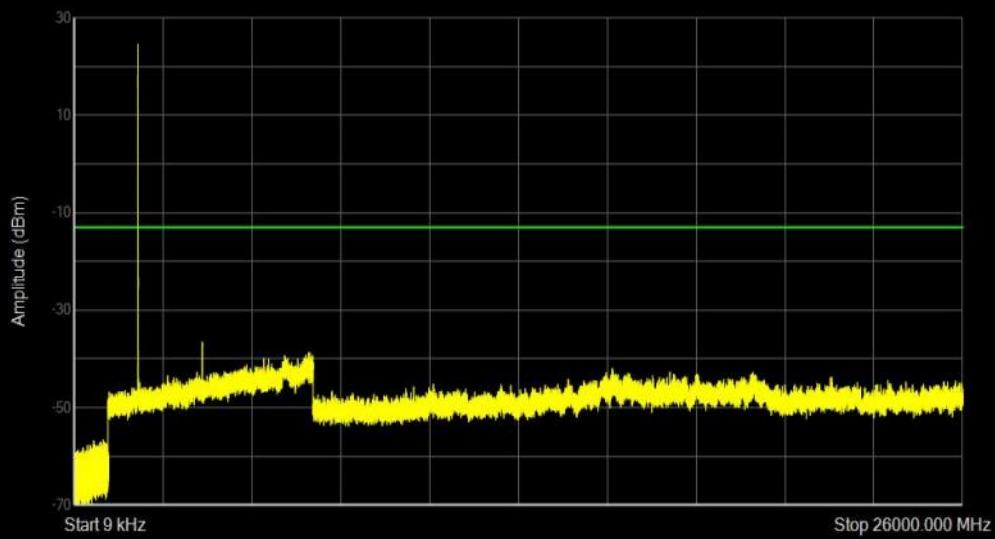
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)  | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0910338        | -59.61           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15199          | -56.92           | -13         |
| 3     | 30          | 1000       | 100       | 916.935666666667 | -56.92           | -13         |
| 4     | 1000        | 26000      | 1000      | 3781.66666666667 | -35.23           | -13         |

Band2 QPSK BW=3MHz Channel=18615 RB Size=1 Position=#0



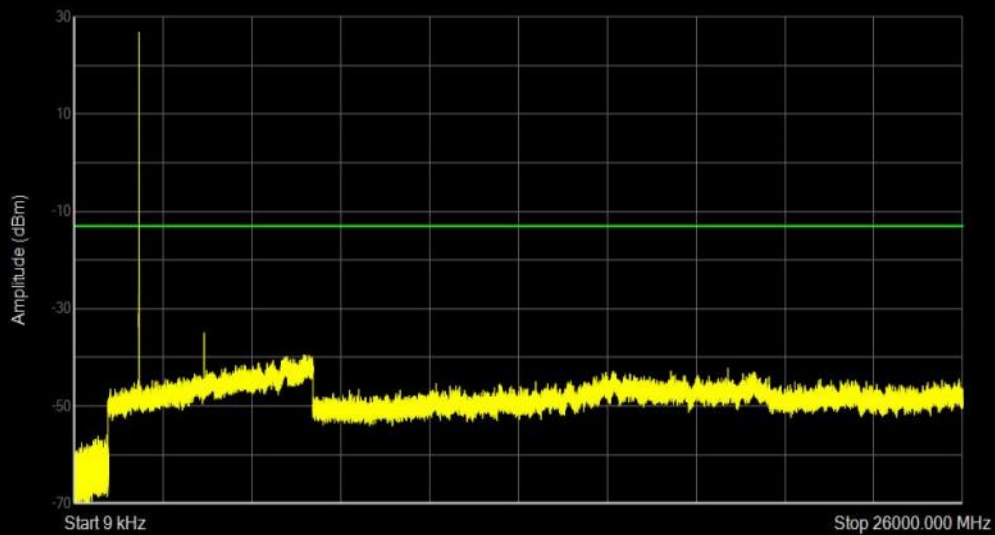
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)  | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.1016558        | -61.49           | -13         |
| 2     | 0.15        | 30         | 10        | 0.16791          | -60.02           | -13         |
| 3     | 30          | 1000       | 100       | 735.060666666667 | -56.88           | -13         |
| 4     | 1000        | 26000      | 1000      | 3700.83333333333 | -35.02           | -13         |

Band2 QPSK BW=3MHz Channel=18900 RB Size=1 Position=#0



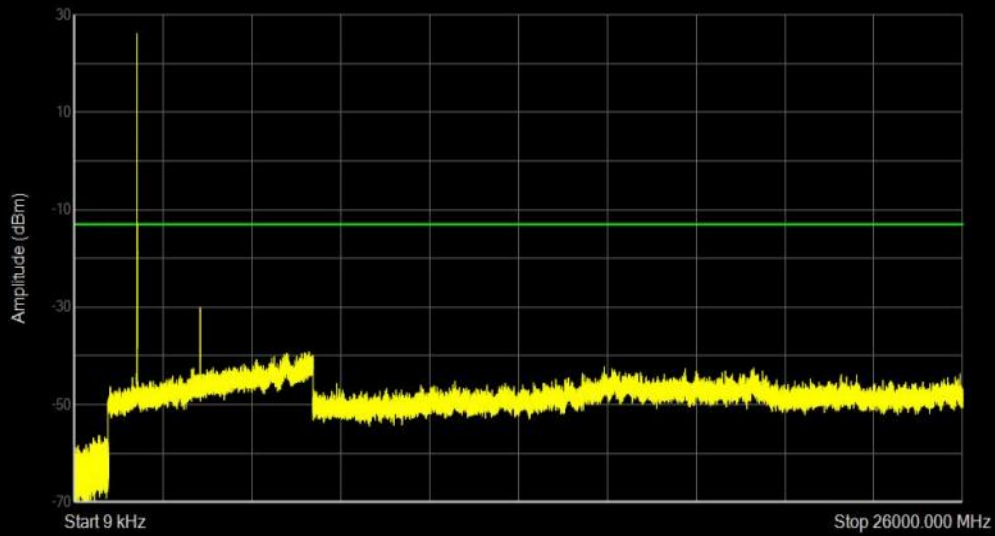
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)   | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0719283         | -59.94           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15398           | -56.88           | -13         |
| 3     | 30          | 1000       | 100       | 865.8813333333333 | -56.62           | -13         |
| 4     | 1000        | 26000      | 1000      | 3757.5            | -36.55           | -13         |

Band2 QPSK BW=3MHz Channel=19185 RB Size=1 Position=#0



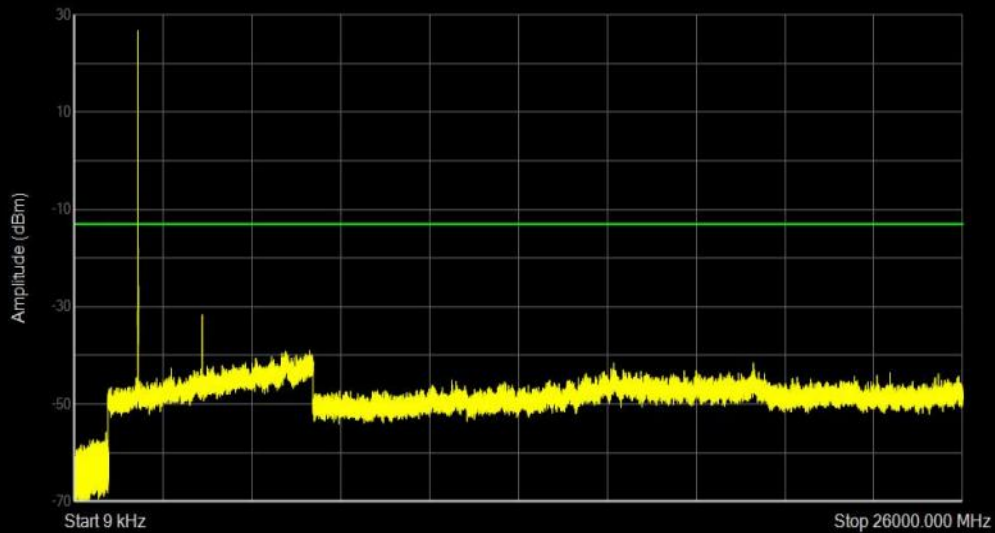
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|-----------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0862445       | -60.54           | -13         |
| 2     | 0.15        | 30         | 10        | 0.164925        | -56.84           | -13         |
| 3     | 30          | 1000       | 100       | 960.909         | -56              | -13         |
| 4     | 1000        | 26000      | 1000      | 3815            | -34.96           | -13         |

Band2 QPSK BW=5MHz Channel=18625 RB Size=1 Position=#0



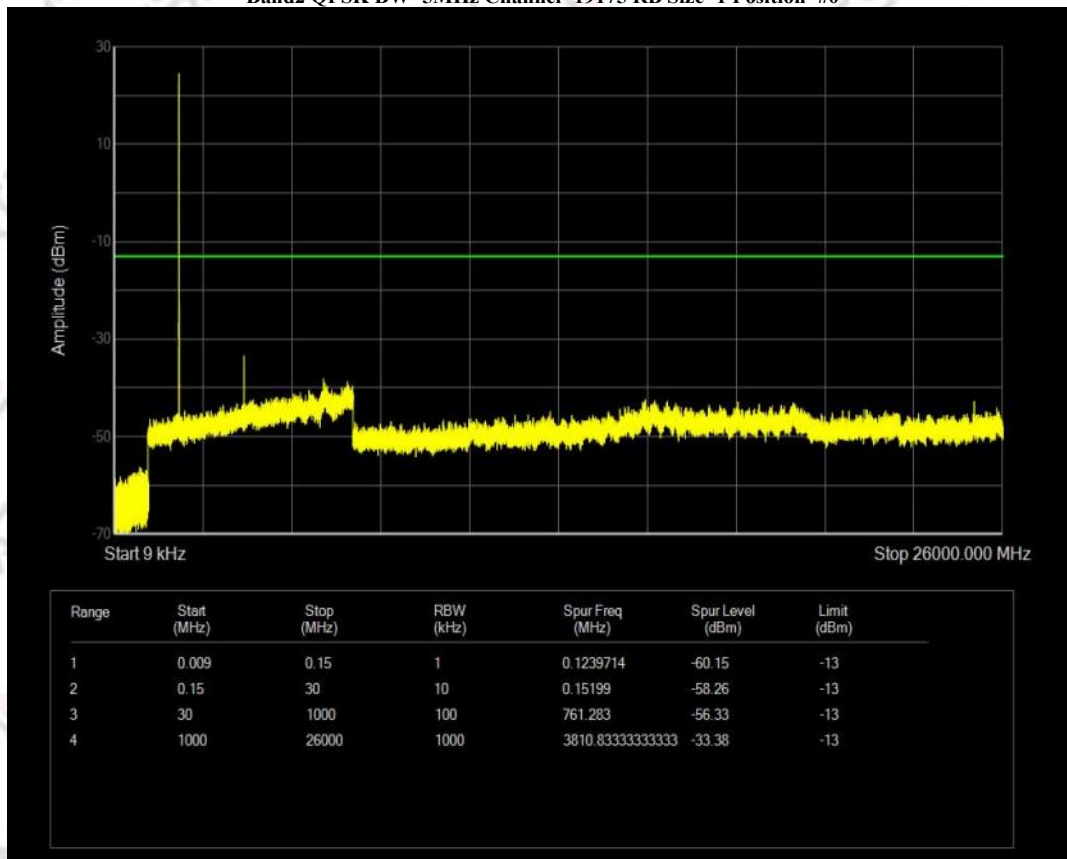
| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)  | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0898823        | -61.06           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15796          | -56.55           | -13         |
| 3     | 30          | 1000       | 100       | 754.105          | -56.34           | -13         |
| 4     | 1000        | 26000      | 1000      | 3700.83333333333 | -30.08           | -13         |

Band2 QPSK BW=5MHz Channel=18900 RB Size=1 Position=#0



| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz)  | Spur Level (dBm) | Limit (dBm) |
|-------|-------------|------------|-----------|------------------|------------------|-------------|
| 1     | 0.009       | 0.15       | 1         | 0.0879694        | -60.72           | -13         |
| 2     | 0.15        | 30         | 10        | 0.15             | -58.2            | -13         |
| 3     | 30          | 1000       | 100       | 941.509          | -55.81           | -13         |
| 4     | 1000        | 26000      | 1000      | 3755.83333333333 | -31.65           | -13         |

Band2 QPSK BW=5MHz Channel=19175 RB Size=1 Position=#0



## LTE Band 4

### 01 Conducted output power

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Power (dBm) | Gain (dBm) | ERP (dBm) | ERP Limit (dBm) | EIRP (dBm) | EIRP Limit (dBm) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-------------|------------|-----------|-----------------|------------|------------------|---------|
| Band4 | 1.4             | 19957      | 1       | #0          | QAM16      | 20.44       | 3.2        | 21.49     | 37              | 23.64      | 37               | PASS    |
| Band4 | 1.4             | 20175      | 1       | #0          | QAM16      | 20.86       | 3.2        | 21.91     | 37              | 24.06      | 37               | PASS    |
| Band4 | 1.4             | 20393      | 1       | #0          | QAM16      | 20.15       | 3.2        | 21.20     | 37              | 23.35      | 37               | PASS    |
| Band4 | 3               | 19965      | 1       | #0          | QAM16      | 21.36       | 3.2        | 22.41     | 37              | 24.56      | 37               | PASS    |
| Band4 | 3               | 20175      | 1       | #0          | QAM16      | 20.12       | 3.2        | 21.17     | 37              | 23.32      | 37               | PASS    |
| Band4 | 3               | 20385      | 1       | #0          | QAM16      | 20.40       | 3.2        | 21.45     | 37              | 23.60      | 37               | PASS    |
| Band4 | 5               | 19975      | 1       | #0          | QAM16      | 21.20       | 3.2        | 22.25     | 37              | 24.40      | 37               | PASS    |
| Band4 | 5               | 20175      | 1       | #0          | QAM16      | 20.17       | 3.2        | 21.22     | 37              | 23.37      | 37               | PASS    |
| Band4 | 5               | 20375      | 1       | #0          | QAM16      | 20.30       | 3.2        | 21.35     | 37              | 23.50      | 37               | PASS    |
| Band4 | 1.4             | 19957      | 1       | #0          | QPSK       | 21.94       | 3.2        | 22.99     | 37              | 25.14      | 37               | PASS    |
| Band4 | 1.4             | 20175      | 1       | #0          | QPSK       | 22.10       | 3.2        | 23.15     | 37              | 25.30      | 37               | PASS    |
| Band4 | 1.4             | 20393      | 1       | #0          | QPSK       | 21.92       | 3.2        | 22.97     | 37              | 25.12      | 37               | PASS    |
| Band4 | 3               | 19965      | 1       | #0          | QPSK       | 22.01       | 3.2        | 23.06     | 37              | 25.21      | 37               | PASS    |
| Band4 | 3               | 20175      | 1       | #0          | QPSK       | 21.88       | 3.2        | 22.93     | 37              | 25.08      | 37               | PASS    |
| Band4 | 3               | 20385      | 1       | #0          | QPSK       | 21.79       | 3.2        | 22.84     | 37              | 24.99      | 37               | PASS    |
| Band4 | 5               | 19975      | 1       | #0          | QPSK       | 21.91       | 3.2        | 22.96     | 37              | 25.11      | 37               | PASS    |
| Band4 | 5               | 20175      | 1       | #0          | QPSK       | 21.74       | 3.2        | 22.79     | 37              | 24.94      | 37               | PASS    |
| Band4 | 5               | 20375      | 1       | #0          | QPSK       | 21.86       | 3.2        | 22.91     | 37              | 25.06      | 37               | PASS    |
| Band4 | 10              | 20000      | 1       | #0          | QPSK       | 22.00       | 3.2        | 23.05     | 37              | 25.20      | 37               | PASS    |
| Band4 | 10              | 20175      | 1       | #0          | QPSK       | 21.79       | 3.2        | 22.84     | 37              | 24.99      | 37               | PASS    |
| Band4 | 10              | 20350      | 1       | #0          | QPSK       | 21.98       | 3.2        | 23.03     | 37              | 25.18      | 37               | PASS    |
| Band4 | 15              | 20025      | 1       | #0          | QPSK       | 22.05       | 3.2        | 23.10     | 37              | 25.25      | 37               | PASS    |
| Band4 | 15              | 20175      | 1       | #0          | QPSK       | 21.97       | 3.2        | 23.02     | 37              | 25.17      | 37               | PASS    |
| Band4 | 15              | 20325      | 1       | #0          | QPSK       | 21.89       | 3.2        | 22.94     | 37              | 25.09      | 37               | PASS    |
| Band4 | 20              | 20050      | 1       | #0          | QPSK       | 21.98       | 3.2        | 23.03     | 37              | 25.18      | 37               | PASS    |
| Band4 | 20              | 20175      | 1       | #0          | QPSK       | 22.15       | 3.2        | 23.20     | 37              | 25.35      | 37               | PASS    |
| Band4 | 20              | 20300      | 1       | #0          | QPSK       | 21.93       | 3.2        | 22.98     | 37              | 25.13      | 37               | PASS    |

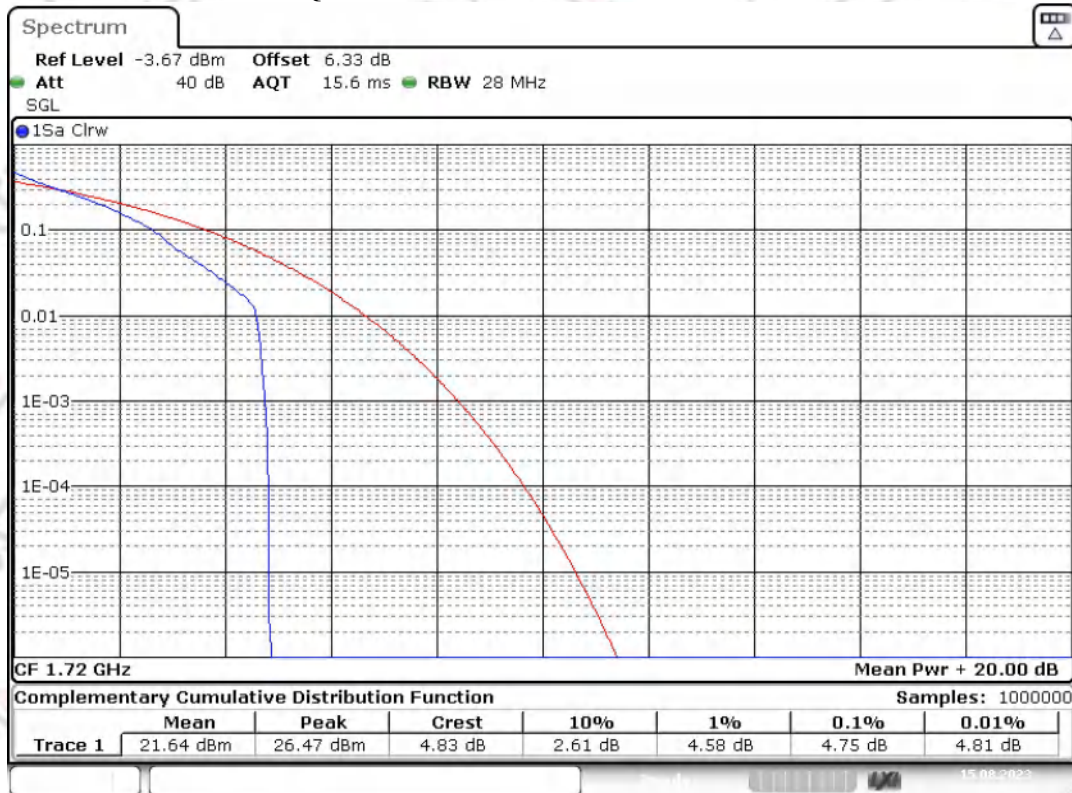
## 02 Frequency stability

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result(Hz) | Result (ppm) | Low Limit (ppm) | high Limit (ppm) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|------------|--------------|-----------------|------------------|---------|
| Band4 | 1.4             | 19957      | 6       | #0          | QAM16      | 2.82       | 0.002        | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | QAM16      | 1.61       | 0.001        | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | QAM16      | -1.26      | -0.001       | -2.5            | 2.5              | PASS    |
| Band4 | 3               | 19965      | 15      | #0          | QAM16      | 0.53       | 0.000        | -2.5            | 2.5              | PASS    |
| Band4 | 3               | 20175      | 15      | #0          | QAM16      | 1.92       | 0.001        | -2.5            | 2.5              | PASS    |
| Band4 | 3               | 20385      | 15      | #0          | QAM16      | 1.73       | 0.001        | -2.5            | 2.5              | PASS    |
| Band4 | 5               | 19975      | 25      | #0          | QAM16      | 1.24       | 0.001        | -2.5            | 2.5              | PASS    |
| Band4 | 5               | 20175      | 25      | #0          | QAM16      | 1.69       | 0.001        | -2.5            | 2.5              | PASS    |
| Band4 | 5               | 20375      | 25      | #0          | QAM16      | -2.07      | -0.001       | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | QPSK       | 1.32       | 0.001        | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | QPSK       | 0.22       | 0.000        | -2.5            | 2.5              | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | QPSK       | -2.98      | -0.002       | -2.5            | 2.5              | PASS    |
| Band4 | 3               | 19965      | 15      | #0          | QPSK       | 0.18       | 0.000        | -2.5            | 2.5              | PASS    |
| Band4 | 3               | 20175      | 15      | #0          | QPSK       | 0.95       | 0.001        | -2.5            | 2.5              | PASS    |
| Band4 | 3               | 20385      | 15      | #0          | QPSK       | 0.17       | 0.000        | -2.5            | 2.5              | PASS    |
| Band4 | 5               | 19975      | 25      | #0          | QPSK       | 1.79       | 0.001        | -2.5            | 2.5              | PASS    |
| Band4 | 5               | 20175      | 25      | #0          | QPSK       | 0.33       | 0.000        | -2.5            | 2.5              | PASS    |
| Band4 | 5               | 20375      | 25      | #0          | QPSK       | -2.71      | -0.002       | -2.5            | 2.5              | PASS    |
| Band4 | 10              | 20000      | 50      | #0          | QPSK       | -2.50      | -0.001       | -2.5            | 2.5              | PASS    |
| Band4 | 10              | 20175      | 50      | #0          | QPSK       | 0.10       | 0.000        | -2.5            | 2.5              | PASS    |
| Band4 | 10              | 20350      | 50      | #0          | QPSK       | 1.99       | 0.001        | -2.5            | 2.5              | PASS    |
| Band4 | 15              | 20025      | 75      | #0          | QPSK       | 0.55       | 0.000        | -2.5            | 2.5              | PASS    |
| Band4 | 15              | 20175      | 75      | #0          | QPSK       | 0.53       | 0.000        | -2.5            | 2.5              | PASS    |
| Band4 | 15              | 20325      | 75      | #0          | QPSK       | 0.98       | 0.001        | -2.5            | 2.5              | PASS    |
| Band4 | 20              | 20050      | 100     | #0          | QPSK       | 2.33       | 0.001        | -2.5            | 2.5              | PASS    |
| Band4 | 20              | 20175      | 100     | #0          | QPSK       | -0.04      | 0.000        | -2.5            | 2.5              | PASS    |
| Band4 | 20              | 20300      | 100     | #0          | QPSK       | -2.93      | -0.002       | -2.5            | 2.5              | PASS    |

### 03 Peak-to-Average Ratio

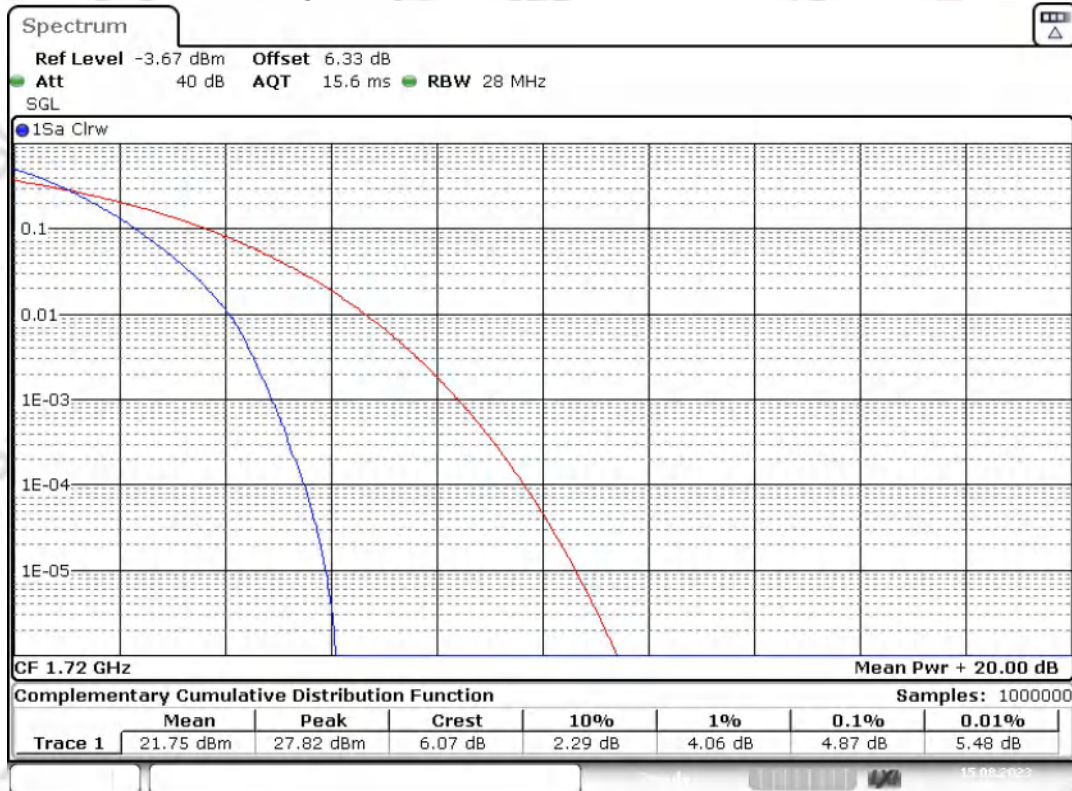
| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Result (dB) | high Limit (dB) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|-------------|-----------------|---------|
| Band4 | 20              | 20050      | 1       | #0          | QPSK       | 4.75        | 13              | PASS    |
| Band4 | 20              | 20050      | 100     | #0          | QPSK       | 4.87        | 13              | PASS    |
| Band4 | 20              | 20175      | 1       | #0          | QPSK       | 4.64        | 13              | PASS    |
| Band4 | 20              | 20175      | 100     | #0          | QPSK       | 5.10        | 13              | PASS    |
| Band4 | 20              | 20300      | 1       | #0          | QPSK       | 4.78        | 13              | PASS    |
| Band4 | 20              | 20300      | 100     | #0          | QPSK       | 5.07        | 13              | PASS    |

Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



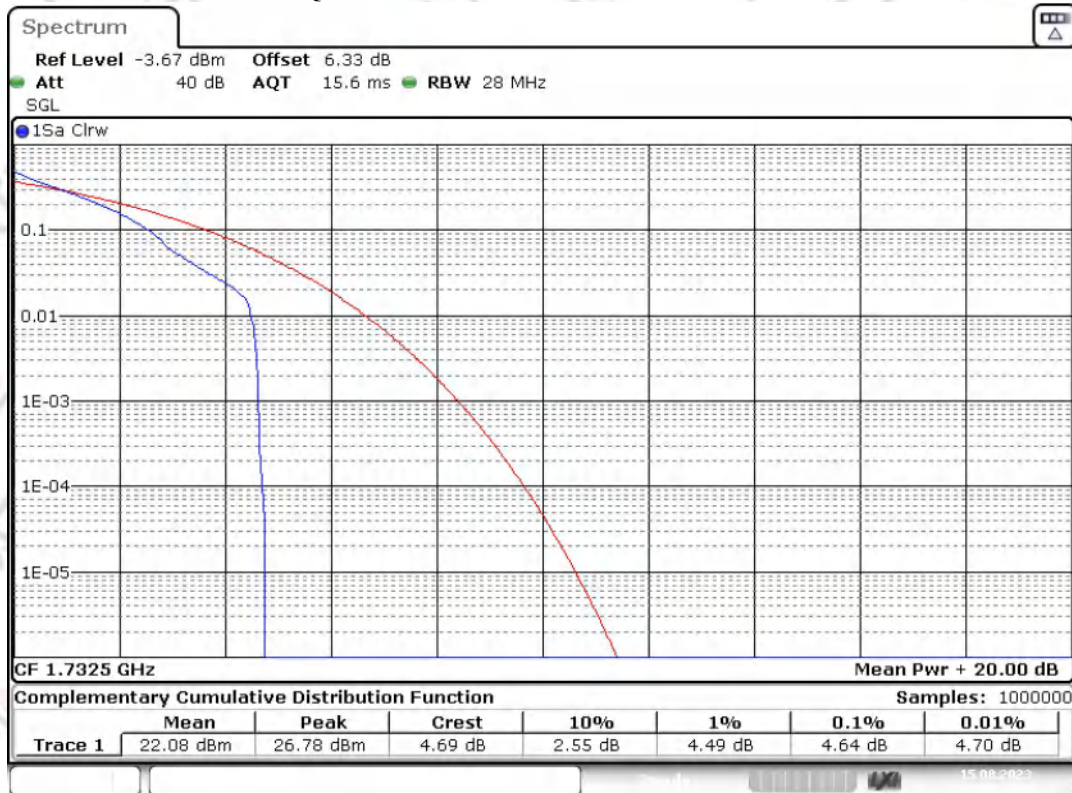
Date: 15.AUG.2023 01:20:58

Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



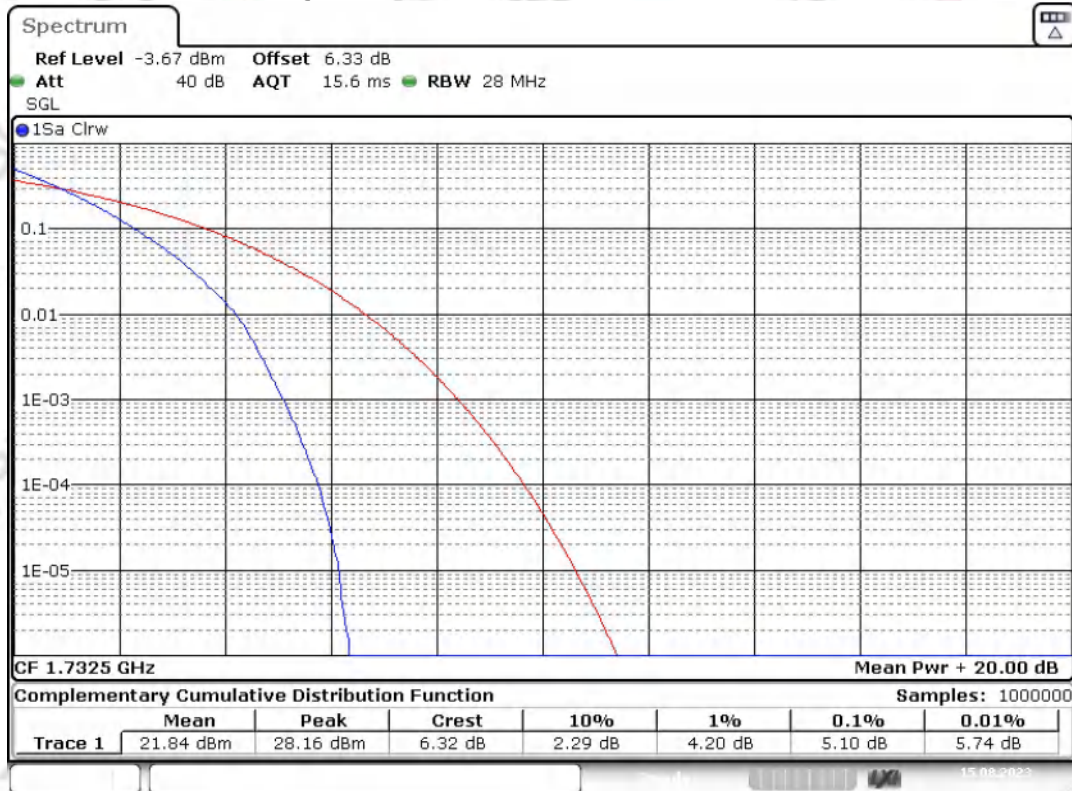
Date: 15.AUG.2023 01:21:01

Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



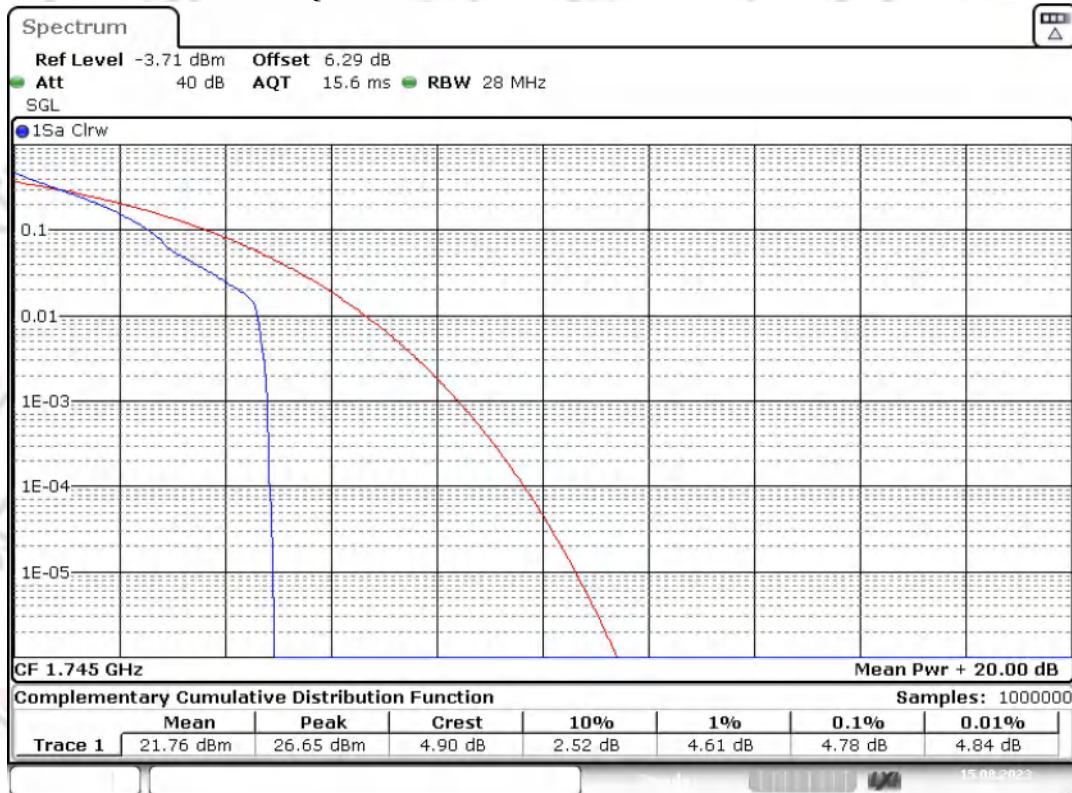
Date: 15.AUG.2023 01:21:06

Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



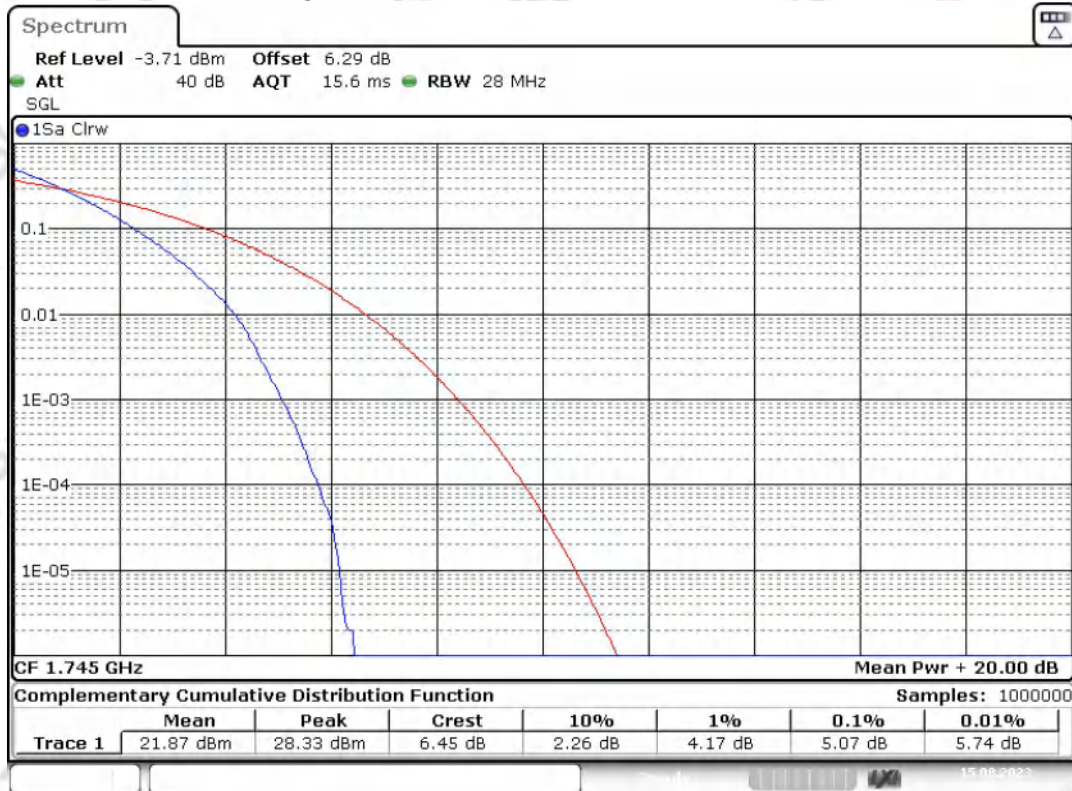
Date: 15.AUG.2023 01:21:10

Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



Date: 15.AUG.2023 01:21:14

Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



Date: 15.AUG.2023 01:21:18

#### 04 Occupied bandwidth

| Band  | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|-------|-----------------|------------|---------|-------------|------------|---------------|-----------------|---------|
| Band4 | 1.4             | 19957      | 6       | #0          | QAM16      | 1.094         | 1.290           | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | QAM16      | 1.098         | 1.294           | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | QAM16      | 1.102         | 1.274           | PASS    |
| Band4 | 3               | 19965      | 15      | #0          | QAM16      | 2.744         | 3.017           | PASS    |
| Band4 | 3               | 20175      | 15      | #0          | QAM16      | 2.735         | 3.026           | PASS    |
| Band4 | 3               | 20385      | 15      | #0          | QAM16      | 2.726         | 3.017           | PASS    |
| Band4 | 5               | 19975      | 25      | #0          | QAM16      | 4.515         | 4.957           | PASS    |
| Band4 | 5               | 20175      | 25      | #0          | QAM16      | 4.501         | 4.957           | PASS    |
| Band4 | 5               | 20375      | 25      | #0          | QAM16      | 4.530         | 5.000           | PASS    |
| Band4 | 1.4             | 19957      | 6       | #0          | QPSK       | 1.102         | 1.270           | PASS    |
| Band4 | 1.4             | 20175      | 6       | #0          | QPSK       | 1.094         | 1.299           | PASS    |
| Band4 | 1.4             | 20393      | 6       | #0          | QPSK       | 1.102         | 1.294           | PASS    |
| Band4 | 10              | 20000      | 50      | #0          | QPSK       | 9.001         | 9.884           | PASS    |
| Band4 | 10              | 20175      | 50      | #0          | QPSK       | 8.944         | 9.768           | PASS    |
| Band4 | 10              | 20350      | 50      | #0          | QPSK       | 8.944         | 9.681           | PASS    |
| Band4 | 15              | 20025      | 75      | #0          | QPSK       | 13.415        | 14.565          | PASS    |
| Band4 | 15              | 20175      | 75      | #0          | QPSK       | 13.415        | 14.478          | PASS    |
| Band4 | 15              | 20325      | 75      | #0          | QPSK       | 13.415        | 14.609          | PASS    |
| Band4 | 20              | 20050      | 100     | #0          | QPSK       | 17.829        | 19.188          | PASS    |
| Band4 | 20              | 20175      | 100     | #0          | QPSK       | 17.945        | 19.362          | PASS    |
| Band4 | 20              | 20300      | 100     | #0          | QPSK       | 17.887        | 19.420          | PASS    |
| Band4 | 3               | 19965      | 15      | #0          | QPSK       | 2.735         | 3.052           | PASS    |
| Band4 | 3               | 20175      | 15      | #0          | QPSK       | 2.744         | 3.026           | PASS    |
| Band4 | 3               | 20385      | 15      | #0          | QPSK       | 2.735         | 3.043           | PASS    |
| Band4 | 5               | 19975      | 25      | #0          | QPSK       | 4.530         | 5.000           | PASS    |
| Band4 | 5               | 20175      | 25      | #0          | QPSK       | 4.515         | 4.942           | PASS    |
| Band4 | 5               | 20375      | 25      | #0          | QPSK       | 4.501         | 4.928           | PASS    |