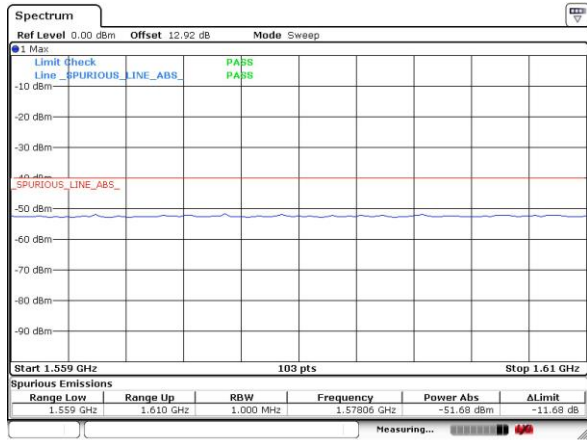


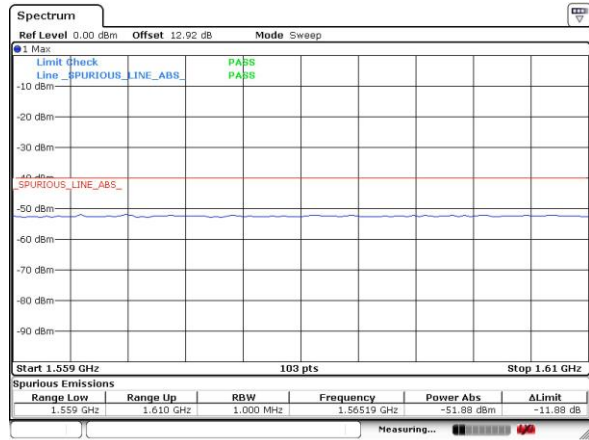


Lowest Channel / 3SC0 Broadband



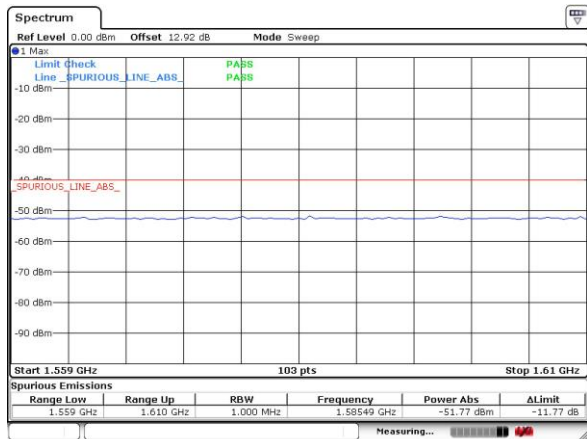
Date: 23\_JAN,2025 22:49:36

Lowest Channel / 3SC9 Broadband



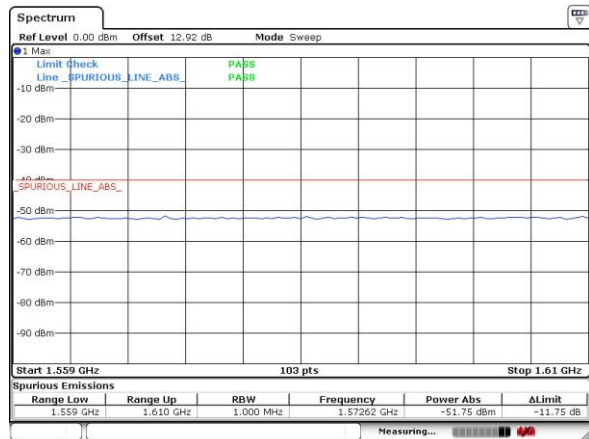
Date: 23\_JAN,2025 22:50:35

Middle Channel / 3SC0 Broadband



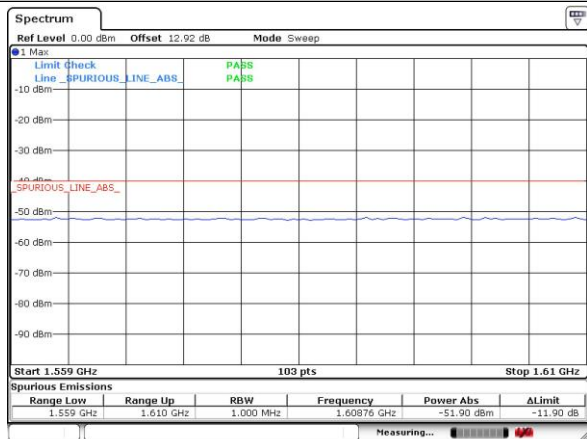
Date: 23\_JAN,2025 22:35:48

Middle Channel / 3SC9 Broadband



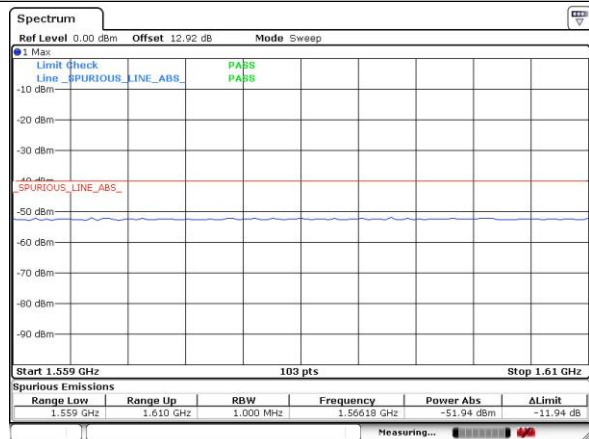
Date: 23\_JAN,2025 22:36:41

Highest Channel / 3SC0 Broadband



Date: 23\_JAN,2025 22:23:51

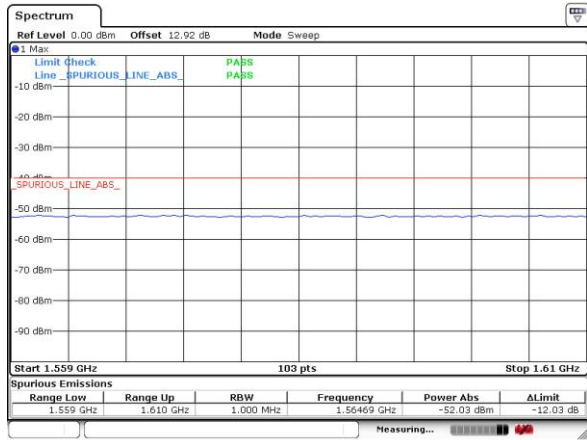
Highest Channel / 3SC9 Broadband



Date: 23\_JAN,2025 22:24:48

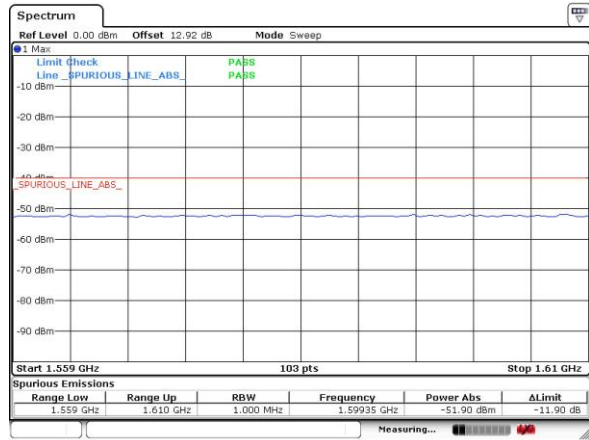


## Lowest Channel / 6SC0 Broadband



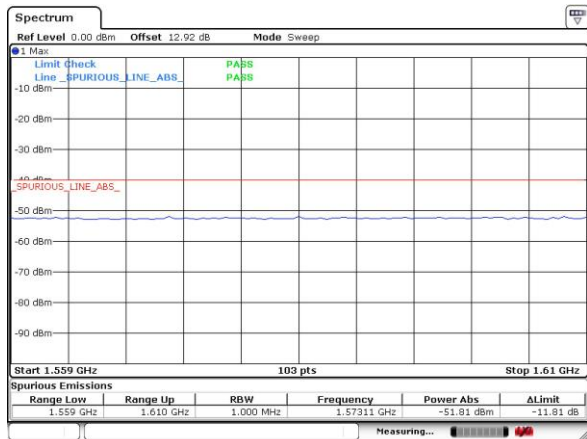
Date: 23..JAN.2025 22:51:24

## Lowest Channel / 6SC6 Broadband



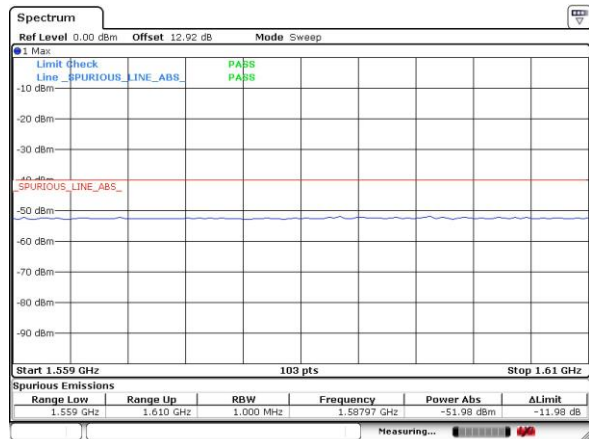
Date: 23..JAN.2025 22:52:32

## Middle Channel / 6SC0 Broadband



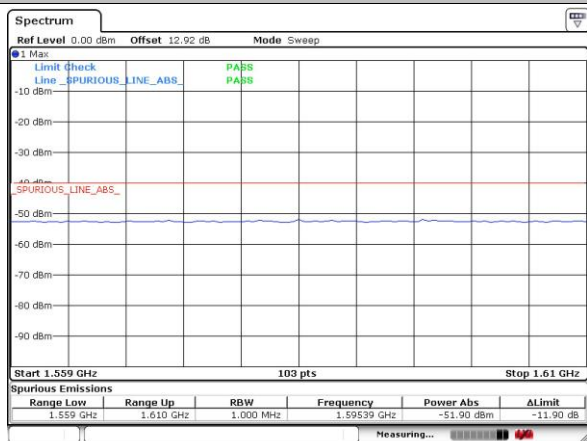
Date: 23..JAN.2025 22:37:29

## Middle Channel / 6SC6 Broadband



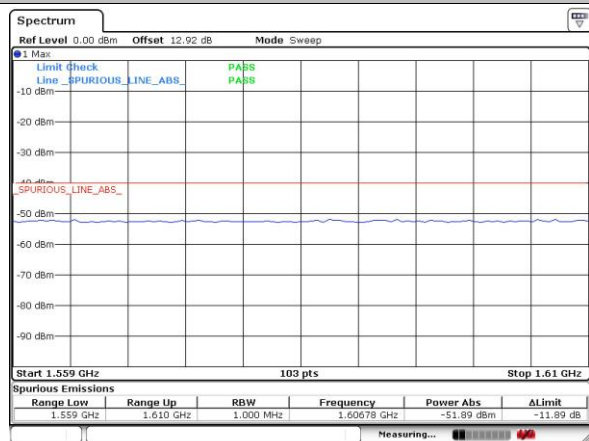
Date: 23..JAN.2025 22:38:25

## Highest Channel / 6SC0 Broadband



Date: 23..JAN.2025 22:25:36

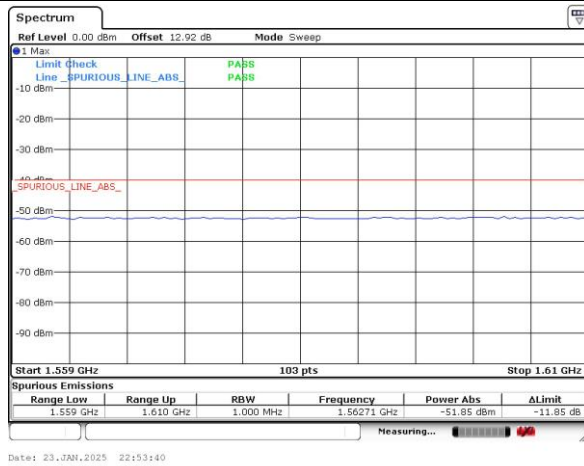
## Highest Channel / 6SC6 Broadband



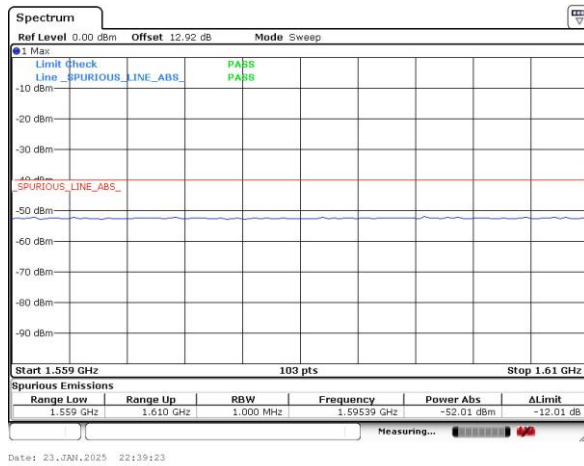
Date: 23..JAN.2025 22:26:16



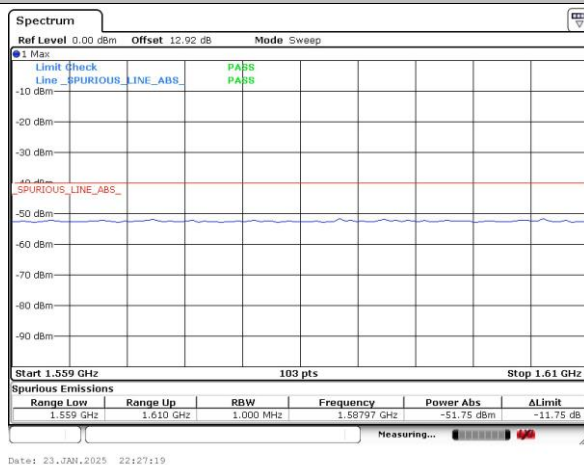
Lowest Channel / 12SC0 Broadband



Middle Channel / 12SC0 Broadband

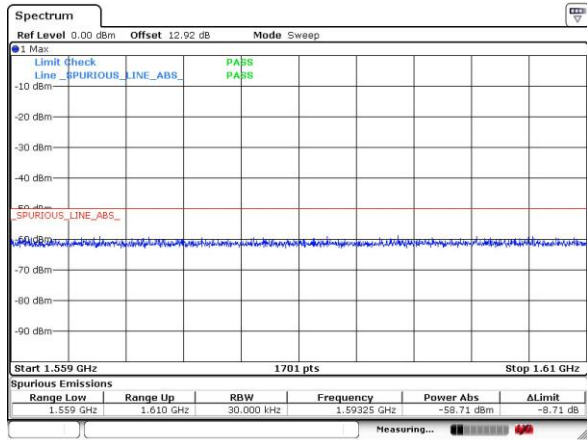


Highest Channel / 12SC0 Broadband



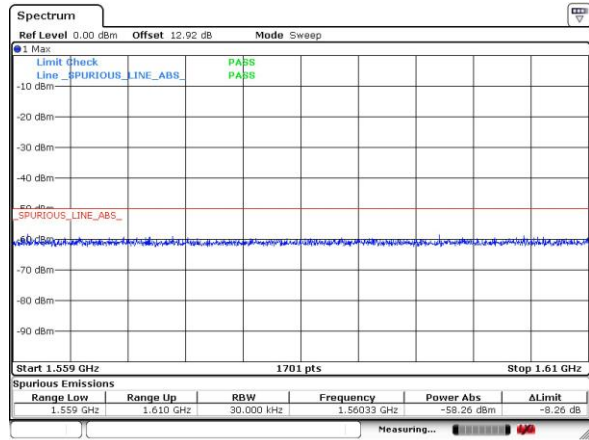


## Lowest Channel / 1SC0 Discrete



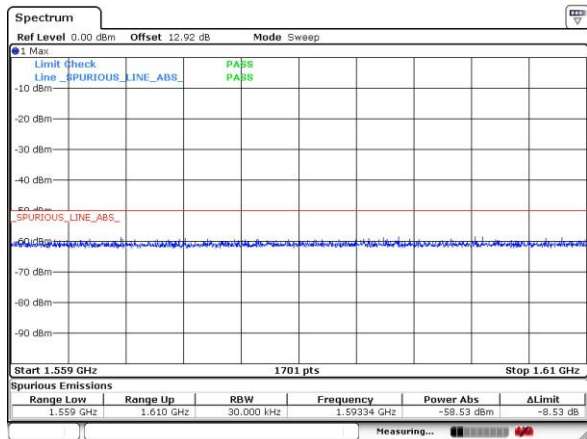
Date: 23\_JAN,2025 23:30:47

## Lowest Channel / 1SC11 Discrete



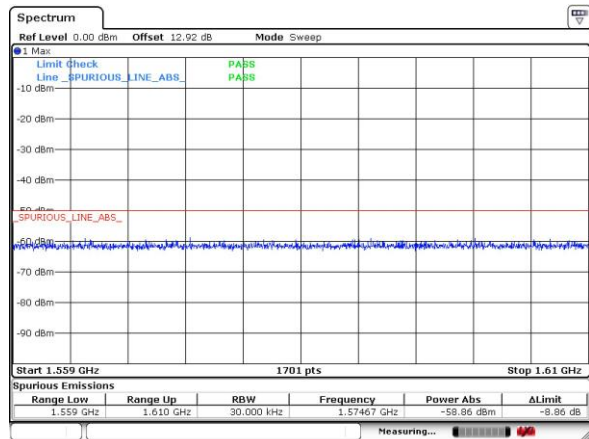
Date: 23\_JAN,2025 23:32:55

## Middle Channel / 1SC0 Discrete



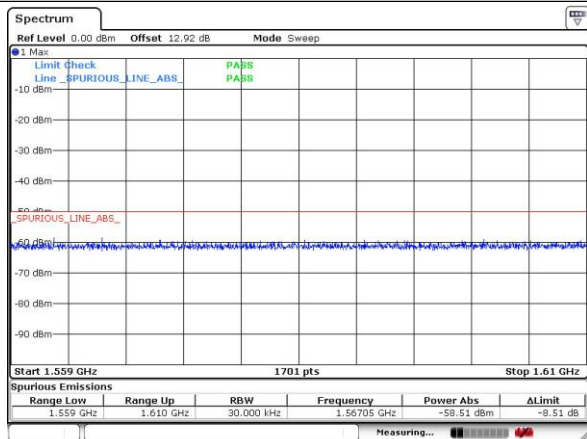
Date: 23\_JAN,2025 23:49:37

## Middle Channel / 1SC11 Discrete



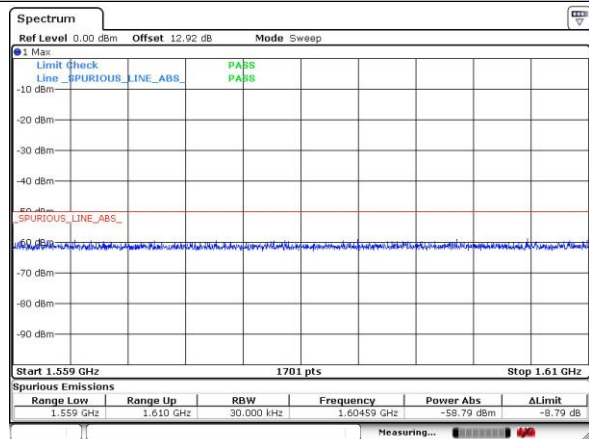
Date: 23\_JAN,2025 23:51:31

## Highest Channel / 1SC0 Discrete



Date: 24\_JAN,2025 00:05:36

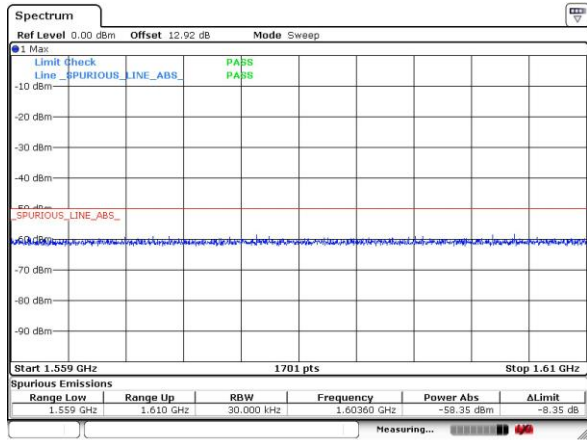
## Highest Channel / 1SC11 Discrete



Date: 24\_JAN,2025 00:08:17

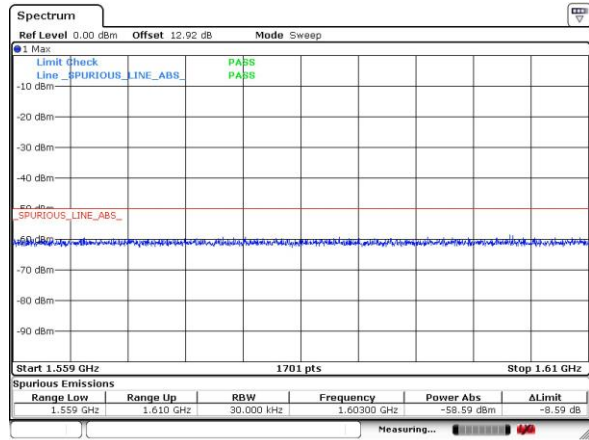


## Lowest Channel / 3SC0 Discrete



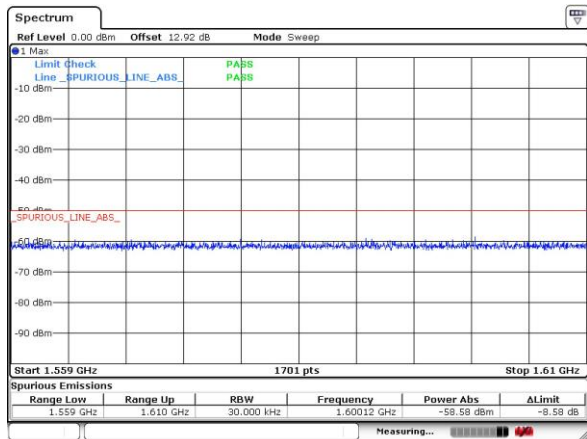
Date: 23.JAN.2025 23:34:55

## Lowest Channel / 3SC9 Discrete



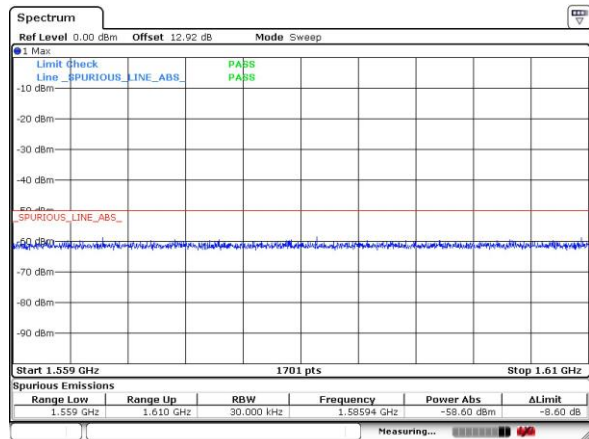
Date: 23.JAN.2025 23:36:04

## Middle Channel / 3SC0 Discrete



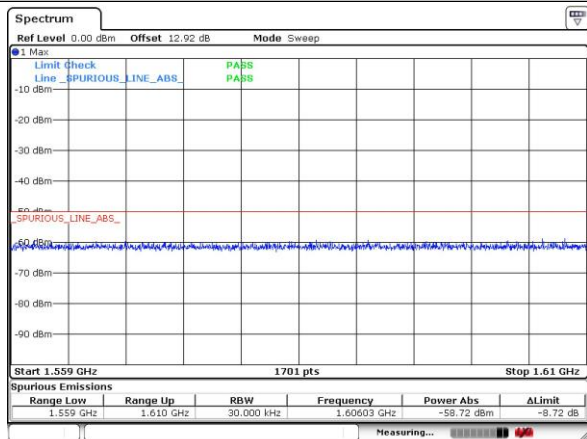
Date: 23.JAN.2025 23:52:19

## Middle Channel / 3SC9 Discrete



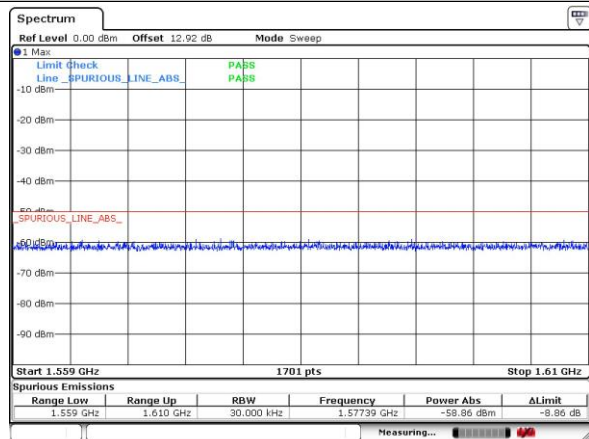
Date: 23.JAN.2025 23:53:16

## Highest Channel / 3SC0 Discrete



Date: 24.JAN.2025 00:09:04

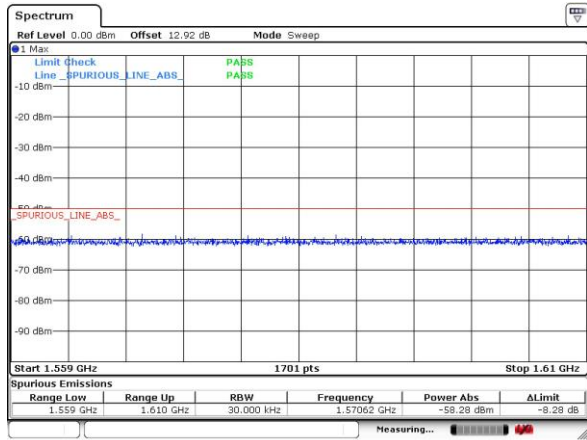
## Highest Channel / 3SC9 Discrete



Date: 24.JAN.2025 00:09:51

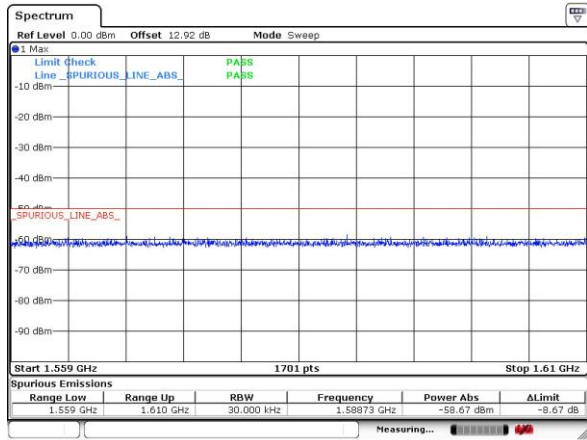


## Lowest Channel / 6SC0 Discrete



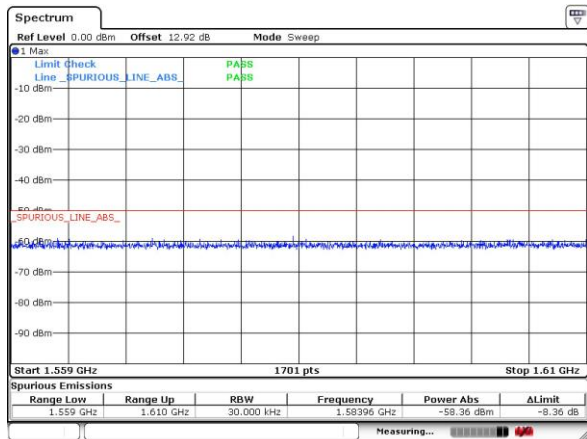
Date: 23.JAN.2025 23:37:39

## Lowest Channel / 6SC6 Discrete



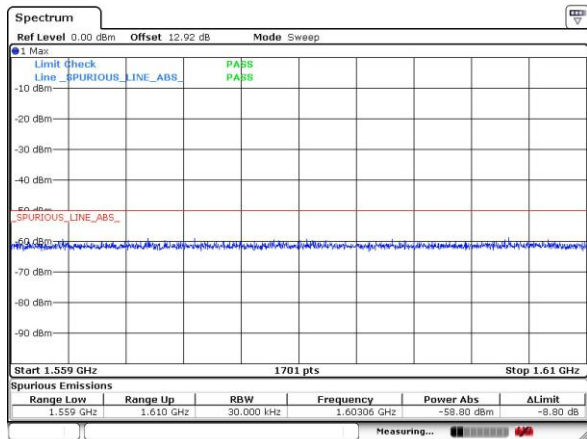
Date: 23.JAN.2025 23:38:41

## Middle Channel / 6SC0 Discrete



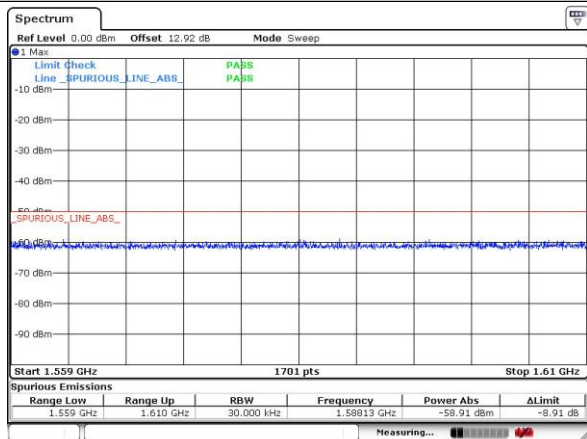
Date: 23.JAN.2025 23:54:09

## Middle Channel / 6SC6 Discrete



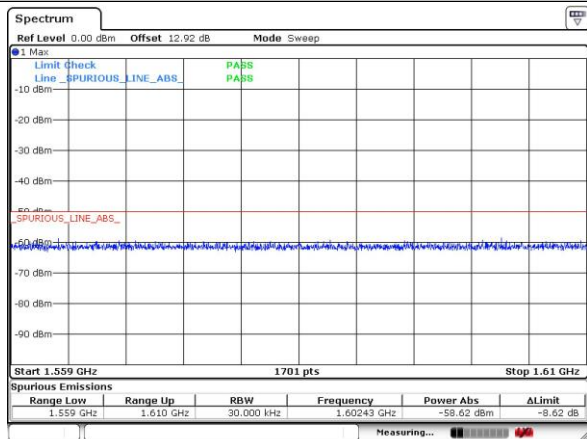
Date: 23.JAN.2025 23:54:52

## Highest Channel / 6SC0 Discrete



Date: 24.JAN.2025 00:10:56

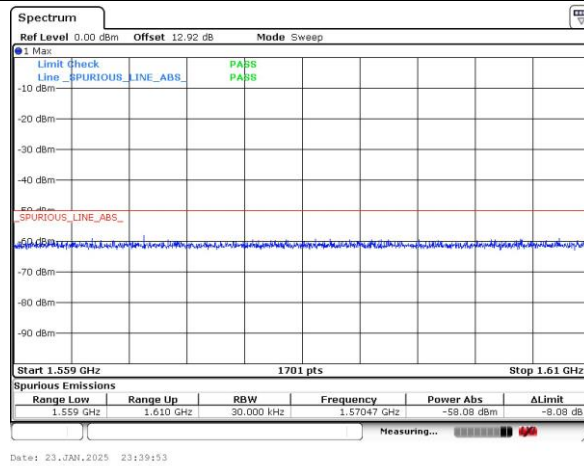
## Highest Channel / 6SC6 Discrete



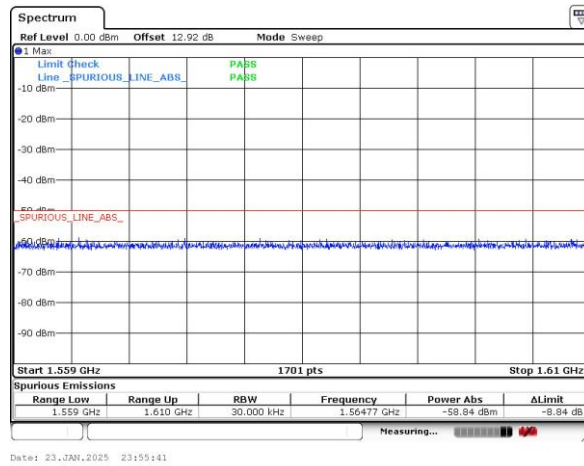
Date: 24.JAN.2025 00:11:40



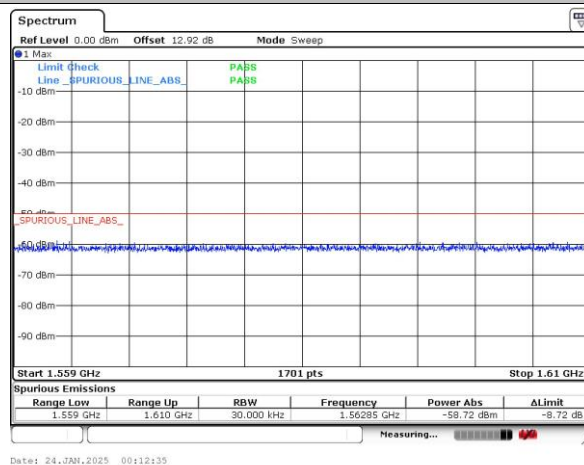
Lowest Channel / 12SC0 Discrete



Middle Channel / 12SC0 Discrete



Highest Channel / 12SC0 Discrete



## Frequency Stability

| Test Conditions  |                   | Band 23(QPSK) / Middle Channel | Limit  |
|------------------|-------------------|--------------------------------|--------|
| Temperature (°C) | Voltage (Volt)    | SCS 15kHz                      | 10ppm  |
|                  |                   | Deviation (ppm)                | Result |
| 50               | Normal Voltage    | 0.0020                         | PASS   |
| 40               | Normal Voltage    | 0.0046                         |        |
| 30               | Normal Voltage    | 0.0006                         |        |
| 20(Ref.)         | Normal Voltage    | 0.0000                         |        |
| 10               | Normal Voltage    | 0.0020                         |        |
| 0                | Normal Voltage    | 0.0018                         |        |
| -10              | Normal Voltage    | 0.0005                         |        |
| -20              | Normal Voltage    | 0.0007                         |        |
| -30              | Normal Voltage    | 0.0035                         |        |
| 20               | Maximum Voltage   | 0.0033                         |        |
| 20               | Normal Voltage    | 0.0000                         |        |
| 20               | Battery End Point | 0.0020                         |        |

**Note:**

1. Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.6V. ; Maximum Voltage = 4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

## Band 255

### Conducted Output Power (Average power) and EIRP

| Band 255 SCS 3.75kHz |                     |                       |       |                    |                  |       |        |
|----------------------|---------------------|-----------------------|-------|--------------------|------------------|-------|--------|
| Test Frequency (MHz) | SC Size             | Conducted Power (dBm) |       | Antenna Gain (dBi) | EIRP Power (dBm) |       | Result |
|                      |                     | BPSK                  | QPSK  |                    | BPSK             | QPSK  |        |
| 1626.6               | 1SC0                | 23.93                 | 24.04 | -3.90              | 20.03            | 20.14 | PASS   |
|                      | 1SC47               | 24.11                 | 24.08 | -3.90              | 20.21            | 20.18 |        |
| 1643.5               | 1SC0                | 23.91                 | 23.77 | -3.90              | 20.01            | 19.87 |        |
|                      | 1SC47               | 23.85                 | 23.83 | -3.90              | 19.95            | 19.93 |        |
| 1660.4               | 1SC0                | 24.08                 | 24.05 | -3.90              | 20.18            | 20.15 |        |
|                      | 1SC47               | 24.06                 | 23.91 | -3.90              | 20.16            | 20.01 |        |
| Limit                | Power < 40dBW (Max) |                       |       |                    |                  |       |        |

| Band 255 SCS 15kHz   |                     |                       |       |                    |                  |       |        |
|----------------------|---------------------|-----------------------|-------|--------------------|------------------|-------|--------|
| Test Frequency (MHz) | SC Size             | Conducted Power (dBm) |       | Antenna Gain (dBi) | EIRP Power (dBm) |       | Result |
|                      |                     | BPSK                  | QPSK  |                    | BPSK             | QPSK  |        |
| 1626.6               | 1SC0                | 24.13                 | 24.17 | -3.90              | 20.23            | 20.27 | PASS   |
|                      | 1SC11               | 24.12                 | 24.05 | -3.90              | 20.22            | 20.15 |        |
|                      | 3SC0                | -                     | 24.21 | -3.90              | -                | 20.31 |        |
|                      | 3SC9                | -                     | 24.23 | -3.90              | -                | 20.33 |        |
|                      | 6SC0                | -                     | 23.88 | -3.90              | -                | 19.98 |        |
|                      | 6SC6                | -                     | 23.90 | -3.90              | -                | 20.00 |        |
|                      | 12SC0               | -                     | 22.89 | -3.90              | -                | 18.99 |        |
| 1643.5               | 1SC0                | 24.10                 | 23.97 | -3.90              | 20.20            | 20.07 |        |
|                      | 1SC11               | 23.99                 | 23.97 | -3.90              | 20.09            | 20.07 |        |
|                      | 3SC0                | -                     | 24.05 | -3.90              | -                | 20.15 |        |
|                      | 3SC9                | -                     | 24.00 | -3.90              | -                | 20.10 |        |
|                      | 6SC0                | -                     | 23.74 | -3.90              | -                | 19.84 |        |
|                      | 6SC6                | -                     | 23.80 | -3.90              | -                | 19.90 |        |
|                      | 12SC0               | -                     | 22.83 | -3.90              | -                | 18.93 |        |
| 1660.4               | 1SC0                | 24.03                 | 24.15 | -3.90              | 20.13            | 20.25 |        |
|                      | 1SC11               | 24.15                 | 24.09 | -3.90              | 20.25            | 20.19 |        |
|                      | 3SC0                | -                     | 24.22 | -3.90              | -                | 20.32 |        |
|                      | 3SC9                | -                     | 24.18 | -3.90              | -                | 20.28 |        |
|                      | 6SC0                | -                     | 24.01 | -3.90              | -                | 20.11 |        |
|                      | 6SC6                | -                     | 23.91 | -3.90              | -                | 20.01 |        |
|                      | 12SC0               | -                     | 22.93 | -3.90              | -                | 19.03 |        |
| Limit                | Power < 40dBW (Max) |                       |       |                    |                  |       |        |

**Occupied Bandwidth**

| Mode       | Band 255 : 99%OBW(kHz) |
|------------|------------------------|
| SCS        | 15kHz                  |
| Mod.       | QPSK                   |
| SC Size    | 12SC0                  |
| Lowest CH  | 185.21                 |
| Middle CH  | 183.42                 |
| Highest CH | 182.82                 |



## Band 255 SCS 15kHz

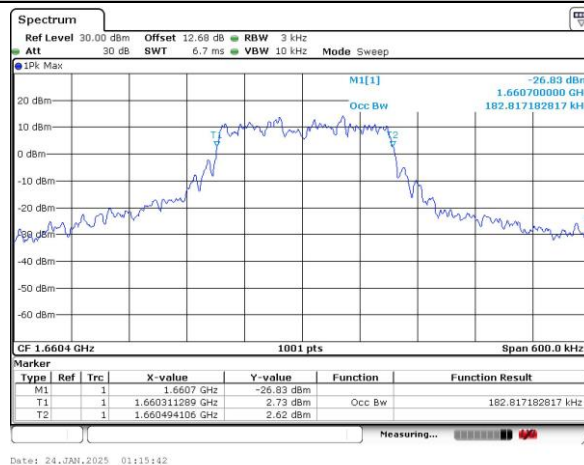
## Lowest Channel / 12SC0 / QPSK



## Middle Channel / 12SC0 / QPSK



## Highest Channel / 12SC0 / QPSK



## Conducted Emissions Mask

| B255 L CH 1626.6 MHz |            |           |                              |                              |                              |                     |             |        |
|----------------------|------------|-----------|------------------------------|------------------------------|------------------------------|---------------------|-------------|--------|
| SCS (kHz)            | Modulation | SC config | Measured Value (dBm / 3 kHz) | Measured Value (dBm / 4 kHz) | Verified Value (dBm / 4 kHz) | Limit (dBm / 4 kHz) | Δlimit (dB) | Result |
| 3.75                 | BPSK       | 1SC0      | -10.94                       | -9.69                        | -                            | -1.40               | -8.29       | Pass   |
| 3.75                 | BPSK       | 1SC47     | -8.40                        | -7.15                        | -                            | -1.56               | -5.59       | Pass   |
| 3.75                 | QPSK       | 1SC0      | -10.54                       | -9.29                        | -                            | -1.51               | -7.78       | Pass   |
| 3.75                 | QPSK       | 1SC47     | -8.16                        | -6.91                        | -                            | -1.49               | -5.42       | Pass   |
| 15                   | BPSK       | 1SC0      | -4.63                        | -3.38                        | -                            | -1.44               | -1.94       | Pass   |
| 15                   | BPSK       | 1SC11     | -3.31                        | -2.06                        | -                            | -1.20               | -0.86       | Pass   |
| 15                   | QPSK       | 1SC0      | -4.29                        | -3.04                        | -                            | -1.23               | -1.81       | Pass   |
| 15                   | QPSK       | 1SC11     | -3.36                        | -2.11                        | -                            | -1.36               | -0.75       | Pass   |
| 15                   | QPSK       | 3SC0      | -9.49                        | -8.24                        | -                            | -1.31               | -6.93       | Pass   |
| 15                   | QPSK       | 3SC9      | -6.01                        | -4.76                        | -                            | -1.27               | -3.49       | Pass   |
| 15                   | QPSK       | 6SC0      | -12.61                       | -11.36                       | -                            | -1.77               | -9.59       | Pass   |
| 15                   | QPSK       | 6SC6      | -11.00                       | -9.75                        | -                            | -1.73               | -8.02       | Pass   |
| 15                   | QPSK       | 12SC0     | -13.96                       | -12.71                       | -                            | -2.73               | -9.98       | Pass   |

| B255 M CH 1643.5 MHz |            |           |                              |                              |                              |                     |             |        |
|----------------------|------------|-----------|------------------------------|------------------------------|------------------------------|---------------------|-------------|--------|
| SCS (kHz)            | Modulation | SC config | Measured Value (dBm / 3 kHz) | Measured Value (dBm / 4 kHz) | Verified Value (dBm / 4 kHz) | Limit (dBm / 4 kHz) | Δlimit (dB) | Result |
| 3.75                 | BPSK       | 1SC0      | -10.75                       | -9.50                        | -                            | -1.33               | -8.17       | Pass   |
| 3.75                 | BPSK       | 1SC47     | -8.46                        | -7.21                        | -                            | -1.41               | -5.80       | Pass   |
| 3.75                 | QPSK       | 1SC0      | -10.37                       | -9.12                        | -                            | -1.36               | -7.76       | Pass   |
| 3.75                 | QPSK       | 1SC47     | -7.62                        | -6.37                        | -                            | -1.45               | -4.92       | Pass   |
| 15                   | BPSK       | 1SC0      | -4.36                        | -3.11                        | -                            | -1.28               | -1.83       | Pass   |
| 15                   | BPSK       | 1SC11     | -3.28                        | -2.03                        | -                            | -1.40               | -0.63       | Pass   |
| 15                   | QPSK       | 1SC0      | -3.82                        | -2.57                        | -                            | -1.37               | -1.20       | Pass   |
| 15                   | QPSK       | 1SC11     | -3.34                        | -2.09                        | -                            | -1.49               | -0.60       | Pass   |
| 15                   | QPSK       | 3SC0      | -8.60                        | -7.35                        | -                            | -1.33               | -6.02       | Pass   |
| 15                   | QPSK       | 3SC9      | -6.28                        | -5.03                        | -                            | -1.22               | -3.81       | Pass   |
| 15                   | QPSK       | 6SC0      | -11.23                       | -9.98                        | -                            | -1.74               | -8.24       | Pass   |
| 15                   | QPSK       | 6SC6      | -10.78                       | -9.53                        | -                            | -1.84               | -7.69       | Pass   |
| 15                   | QPSK       | 12SC0     | -15.29                       | -14.04                       | -                            | -2.87               | -11.17      | Pass   |

| B255 H CH 1660.4 MHz |            |           |                              |                              |                              |                     |             |        |
|----------------------|------------|-----------|------------------------------|------------------------------|------------------------------|---------------------|-------------|--------|
| SCS (kHz)            | Modulation | SC config | Measured Value (dBm / 3 kHz) | Measured Value (dBm / 4 kHz) | Verified Value (dBm / 4 kHz) | Limit (dBm / 4 kHz) | Δlimit (dB) | Result |
| 3.75                 | BPSK       | 1SC0      | -10.92                       | -9.67                        | -                            | -1.31               | -8.36       | Pass   |
| 3.75                 | BPSK       | 1SC47     | -7.74                        | -6.49                        | -                            | -1.47               | -5.02       | Pass   |
| 3.75                 | QPSK       | 1SC0      | -10.54                       | -9.29                        | -                            | -1.44               | -7.85       | Pass   |
| 3.75                 | QPSK       | 1SC47     | -7.79                        | -6.54                        | -                            | -1.39               | -5.15       | Pass   |
| 15                   | BPSK       | 1SC0      | -4.65                        | -3.40                        | -                            | -1.43               | -1.97       | Pass   |
| 15                   | BPSK       | 1SC11     | -3.27                        | -2.02                        | -                            | -1.48               | -0.54       | Pass   |
| 15                   | QPSK       | 1SC0      | -4.55                        | -3.30                        | -                            | -1.49               | -1.81       | Pass   |
| 15                   | QPSK       | 1SC11     | -3.02                        | -1.77                        | -                            | -1.30               | -0.47       | Pass   |
| 15                   | QPSK       | 3SC0      | -8.39                        | -7.14                        | -                            | -1.08               | -6.06       | Pass   |
| 15                   | QPSK       | 3SC9      | -6.19                        | -4.94                        | -                            | -1.09               | -3.85       | Pass   |
| 15                   | QPSK       | 6SC0      | -10.78                       | -9.53                        | -                            | -1.65               | -7.88       | Pass   |
| 15                   | QPSK       | 6SC6      | -11.05                       | -9.80                        | -                            | -1.60               | -8.20       | Pass   |
| 15                   | QPSK       | 12SC0     | -14.69                       | -13.44                       | -                            | -2.66               | -10.78      | Pass   |

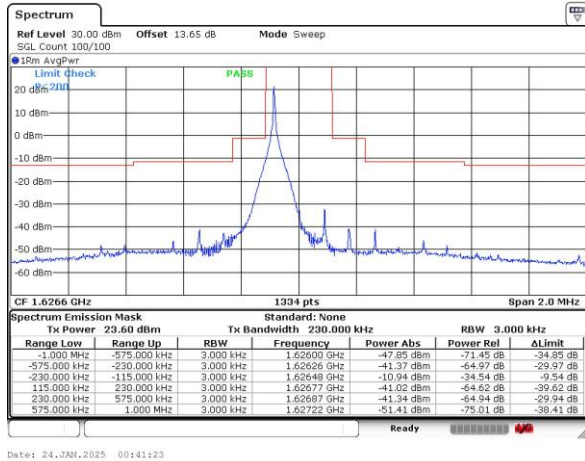
**Remark:** The above results of RBW 3kHz should be added a factor of  $10\log(4\text{kHz}/3\text{kHz}) = 1.25\text{dB}$ .

If the result of the Mask method with factor fails, then the Channel Power method will be used.



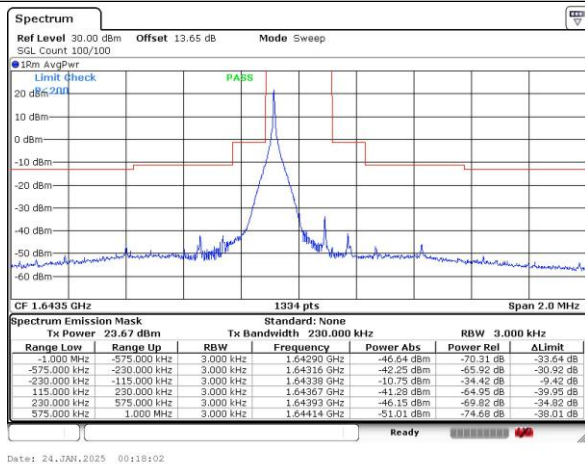
## Band 255 SCS 3.75kHz

## Lowest Channel / 1SC0 / BPSK



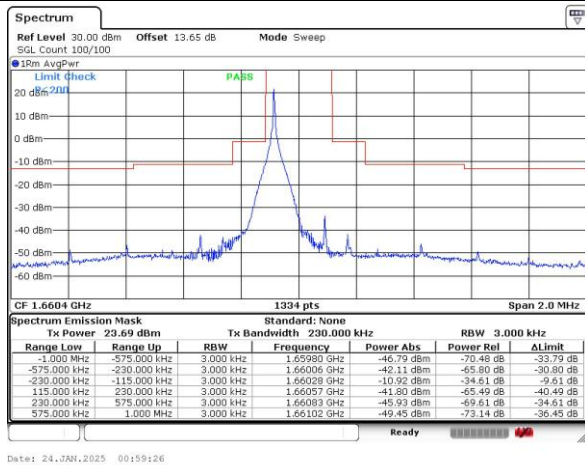
N/A

## Middle Channel / 1SC0 / BPSK



N/A

## Highest Channel / 1SC0 / BPSK

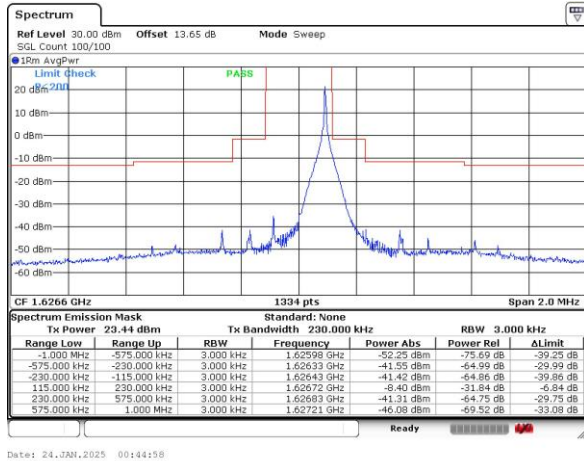


N/A



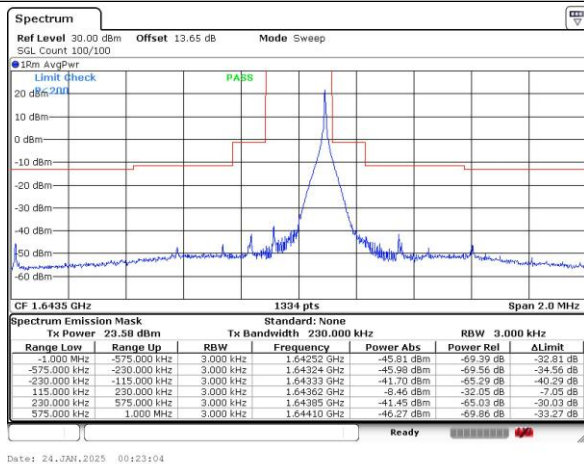
## Band 255 SCS 3.75kHz

## Lowest Channel / 1SC47 / BPSK



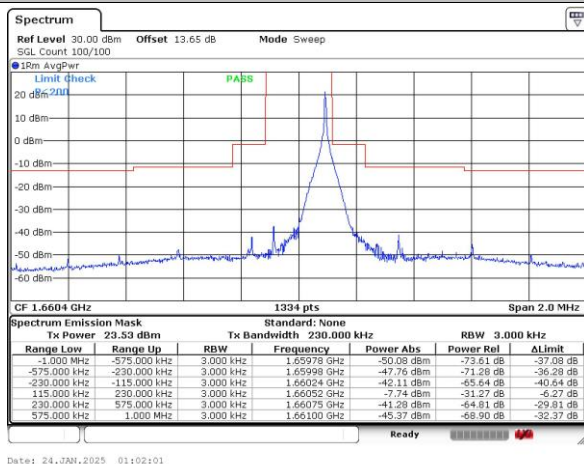
N/A

## Middle Channel / 1SC47 / BPSK



N/A

## Highest Channel / 1SC47 / BPSK

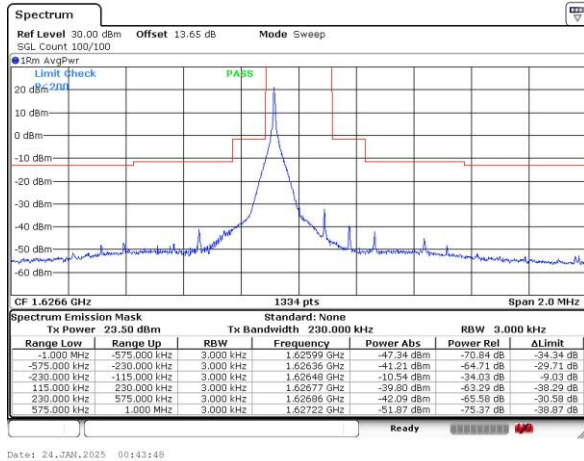


N/A



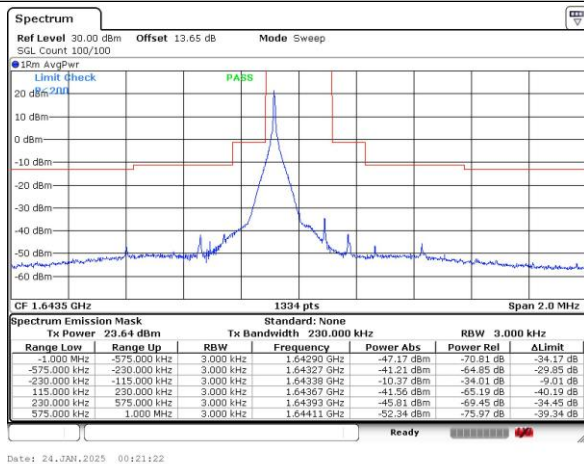
## Band 255 SCS 3.75kHz

## Lowest Channel / 1SC0 / QPSK



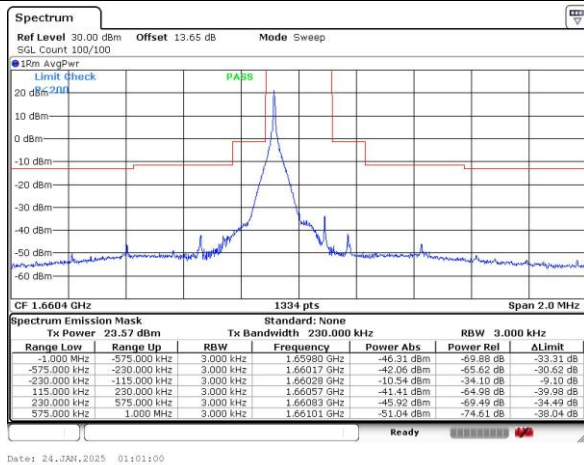
N/A

## Middle Channel / 1SC0 / QPSK



N/A

## Highest Channel / 1SC0 / QPSK



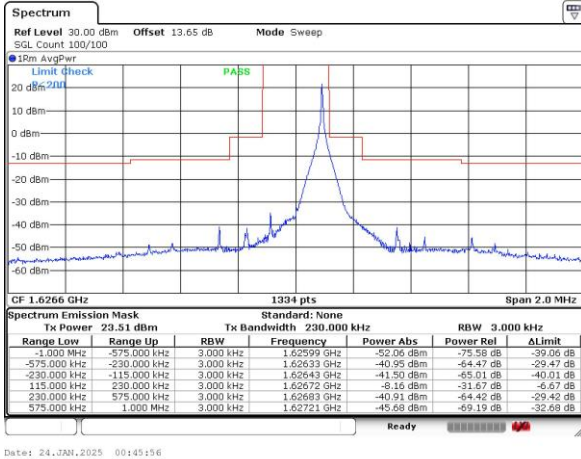
N/A



## Band 255 SCS 3.75kHz

## Lowest Channel / 1SC47 / QPSK

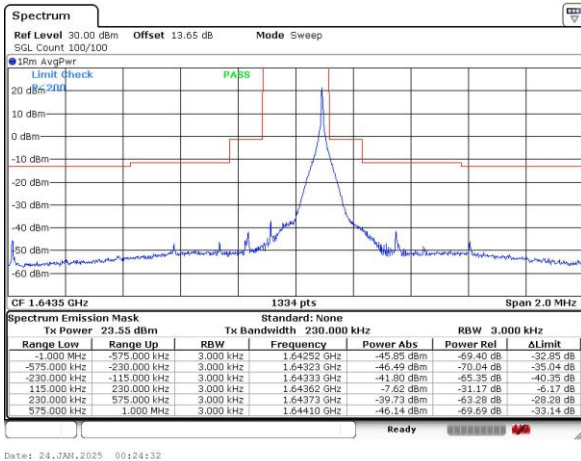
## Lowest Channel / 1SC47 / QPSK-CP



N/A

## Middle Channel / 1SC47 / QPSK

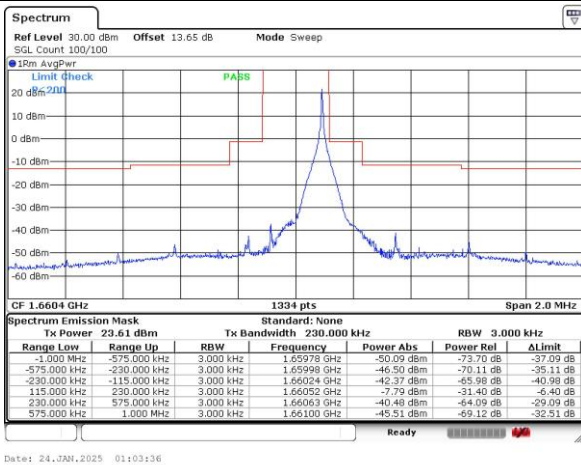
## Middle Channel / 1SC47 / QPSK-CP



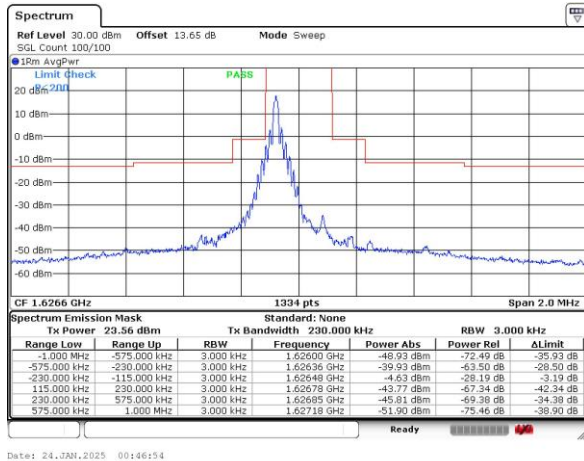
N/A

## Highest Channel / 1SC47 / QPSK

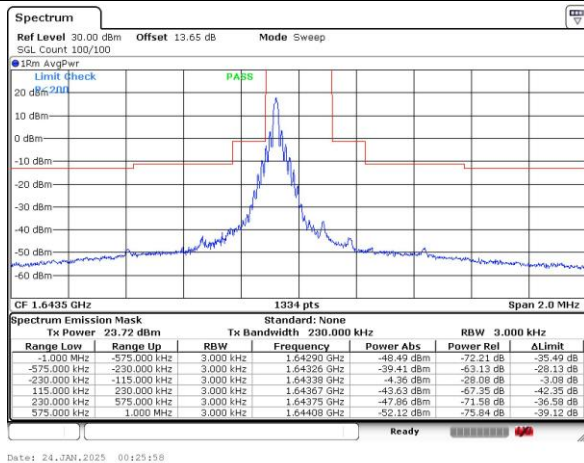
## Highest Channel / 1SC47 / QPSK-CP



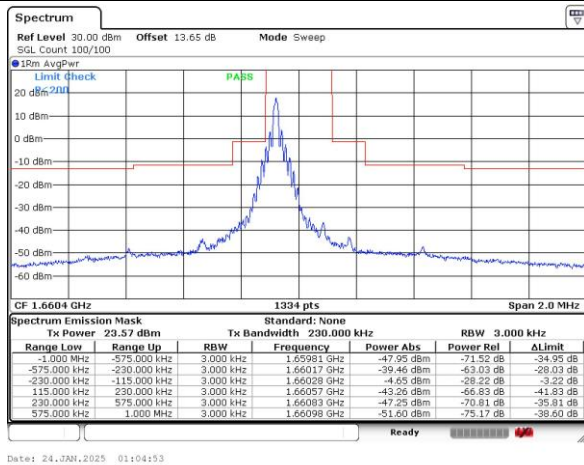
N/A

**Band 255 SCS 15kHz****Lowest Channel / 1SC0 / BPSK**

N/A

**Middle Channel / 1SC0 / BPSK**

N/A

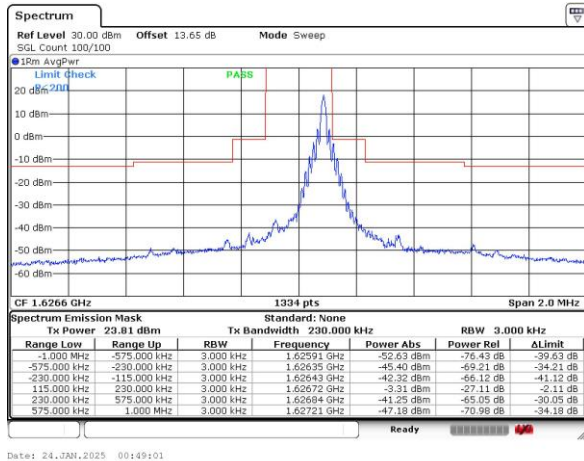
**Highest Channel / 1SC0 / BPSK**

N/A



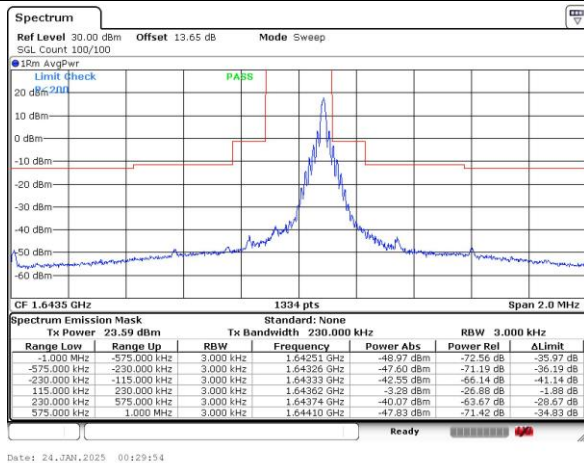
## Band 255 SCS 15kHz

## Lowest Channel / 1SC11 / BPSK



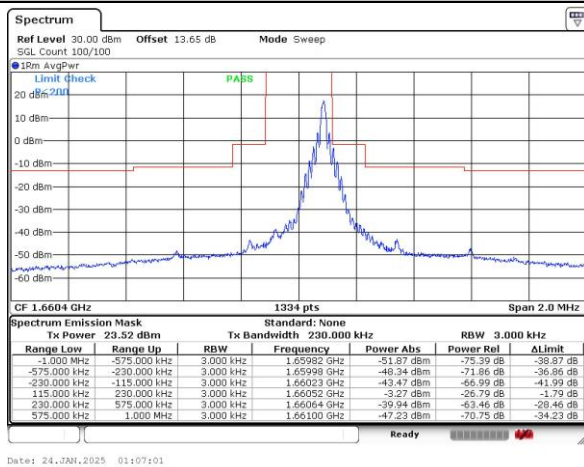
N/A

## Middle Channel / 1SC11 / BPSK



N/A

## Highest Channel / 1SC11 / BPSK

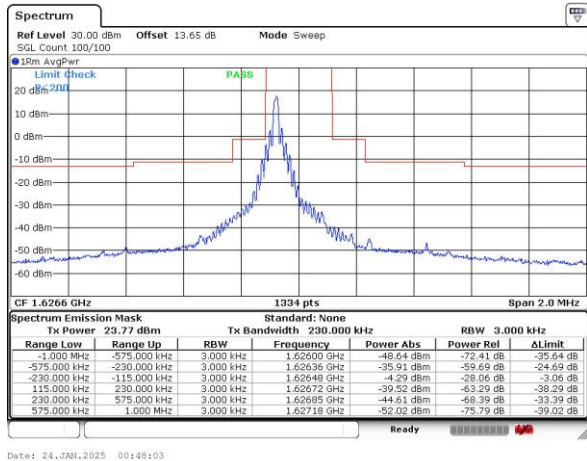


N/A



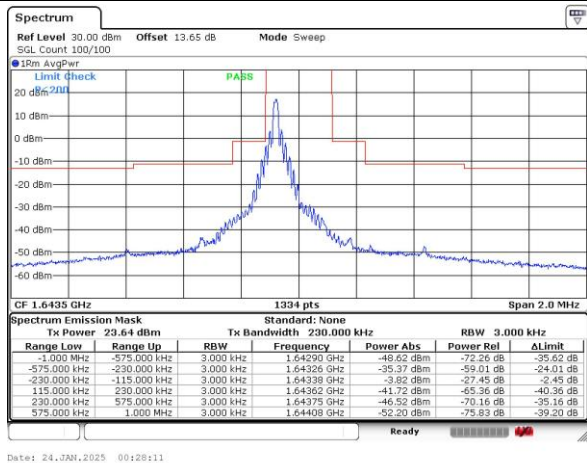
## Band 255 SCS 15kHz

## Lowest Channel / 1SC0 / QPSK



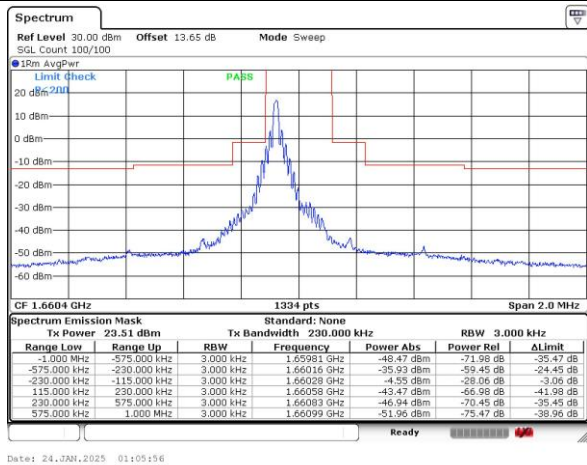
N/A

## Middle Channel / 1SC0 / QPSK

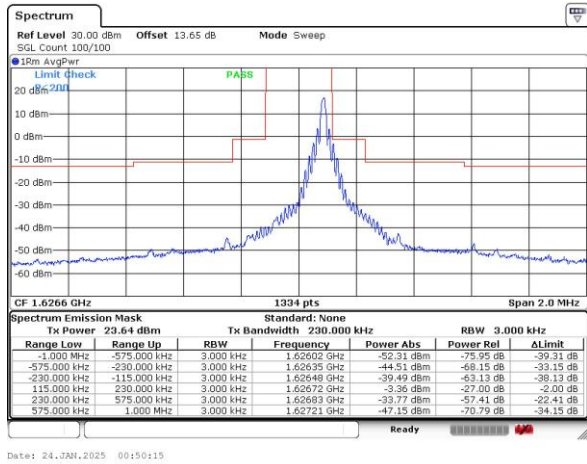


N/A

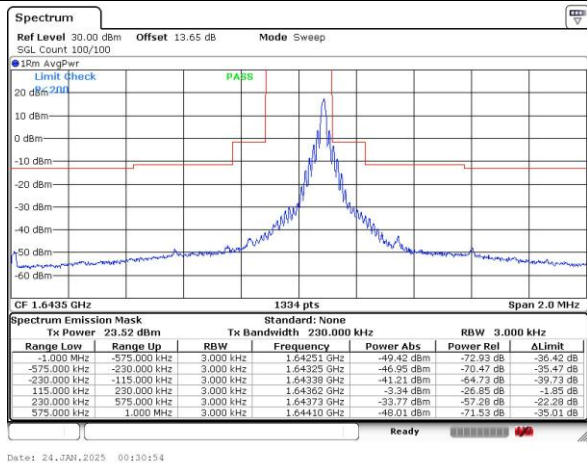
## Highest Channel / 1SC0 / QPSK



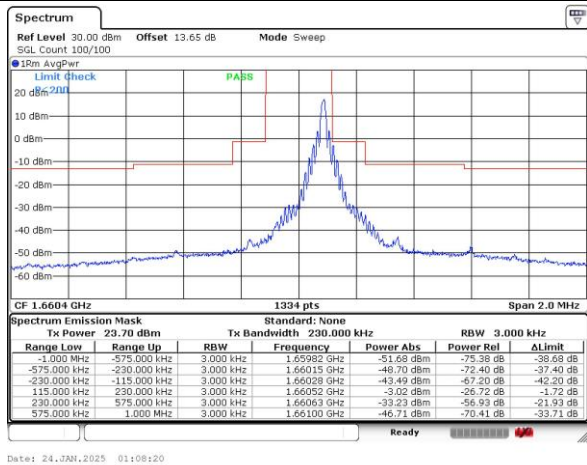
N/A

**Band 255 SCS 15kHz****Lowest Channel / 1SC11 / QPSK**

N/A

**Middle Channel / 1SC11 / QPSK**

N/A

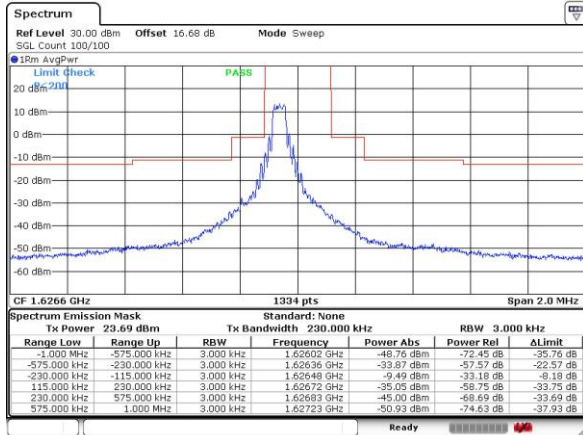
**Highest Channel / 1SC11 / QPSK**

N/A



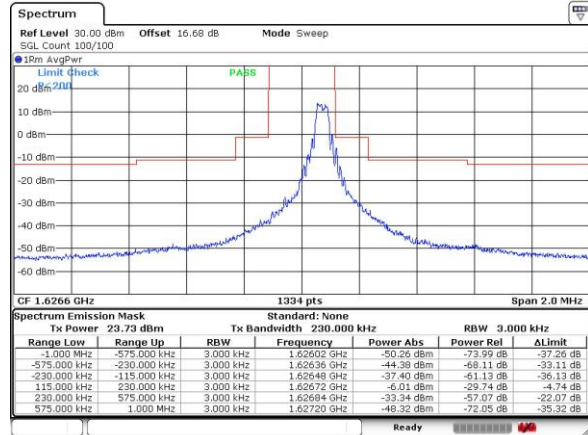
## Band 255 SCS 15kHz

## Lowest Channel / 3SC0 / QPSK



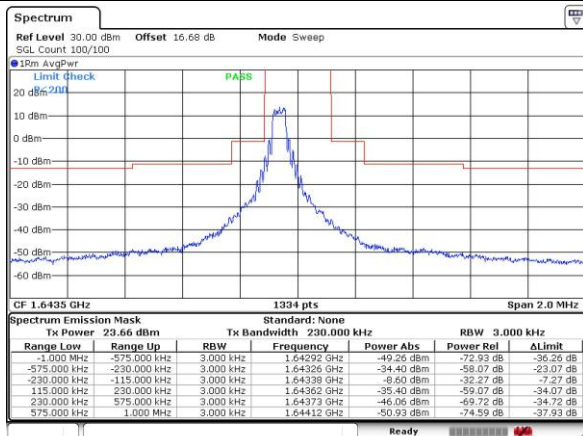
Date: 24.JAN.2025 00:51:57

## Lowest Channel / 3SC9 / QPSK



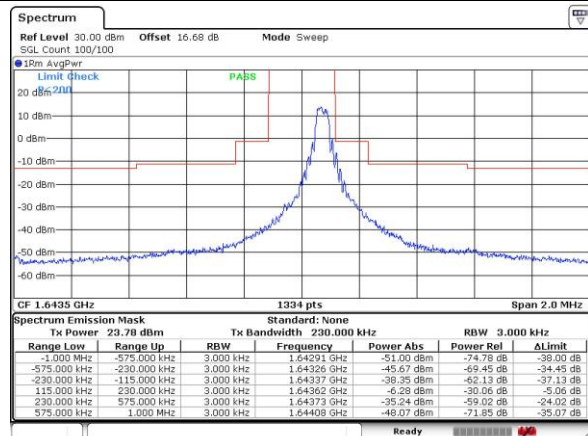
Date: 24.JAN.2025 00:53:24

## Middle Channel / 3SC0 / QPSK



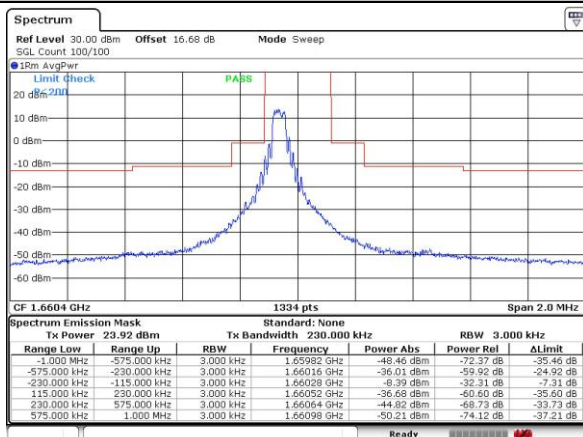
Date: 24.JAN.2025 00:32:12

## Middle Channel / 3SC9 / QPSK



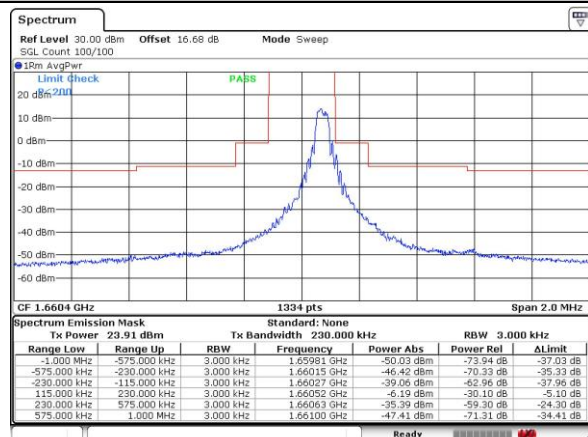
Date: 24.JAN.2025 00:33:22

## Highest Channel / 3SC0 / QPSK



Date: 24.JAN.2025 01:09:39

## Highest Channel / 3SC9 / QPSK

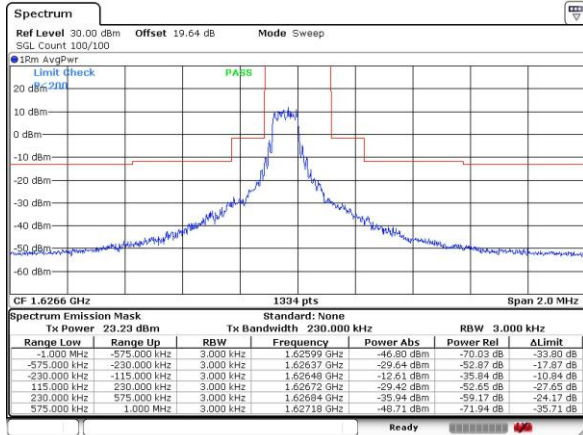


Date: 24.JAN.2025 01:10:47



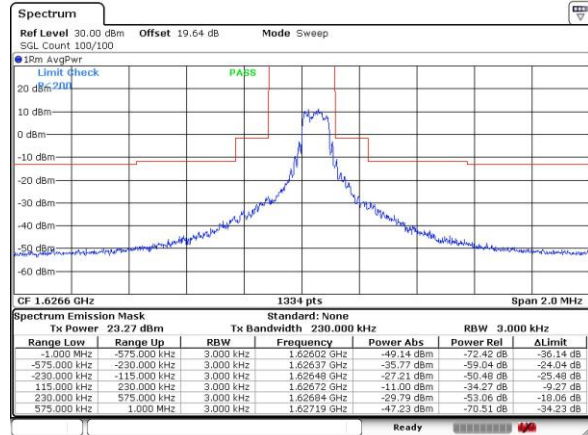
## Band 255 SCS 15kHz

## Lowest Channel / 6SC0 / QPSK



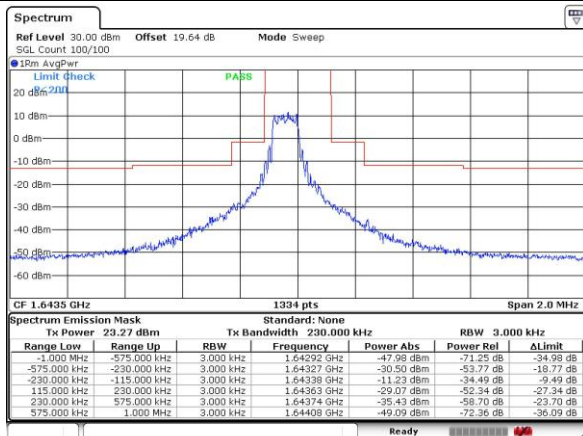
Date: 24.JAN.2025 00:15:05

## Lowest Channel / 6SC6 / QPSK



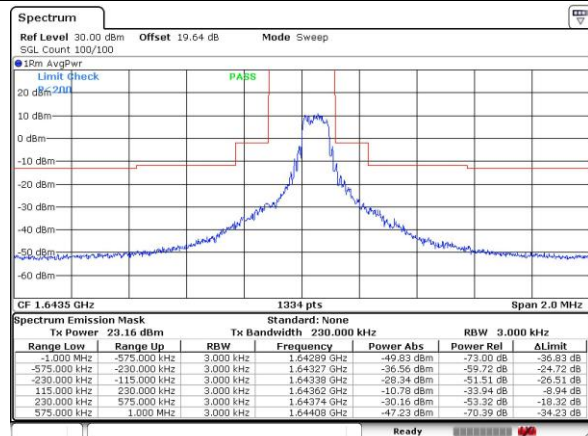
Date: 24.JAN.2025 00:15:07

## Middle Channel / 6SC0 / QPSK



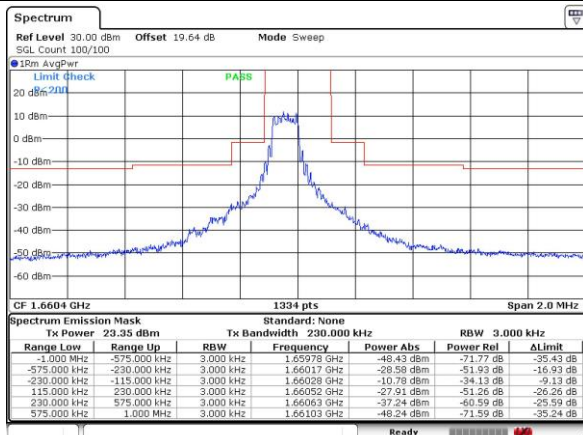
Date: 24.JAN.2025 00:15:24

## Middle Channel / 6SC6 / QPSK



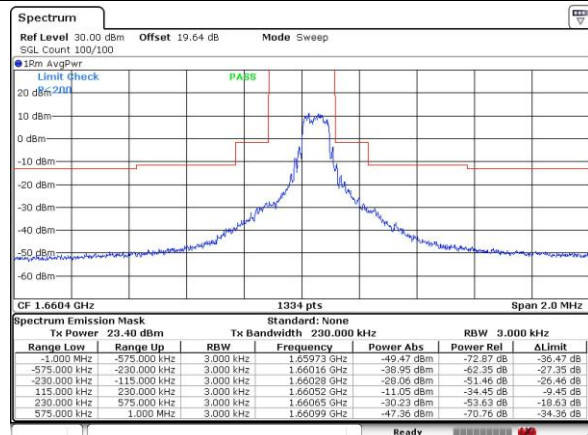
Date: 24.JAN.2025 00:17:13

## Highest Channel / 6SC0 / QPSK



Date: 24.JAN.2025 01:12:41

## Highest Channel / 6SC6 / QPSK



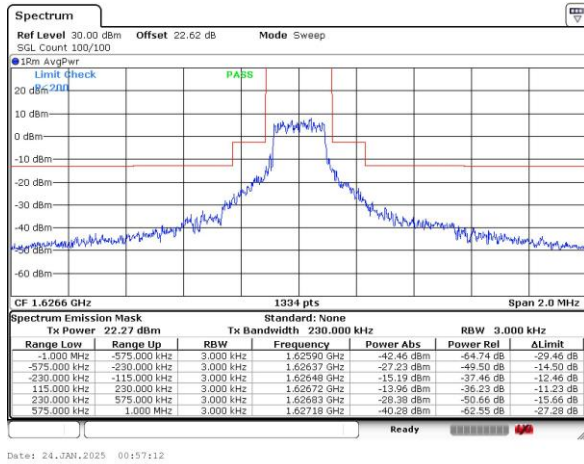
Date: 24.JAN.2025 01:13:48



## Band 255 SCS 15kHz

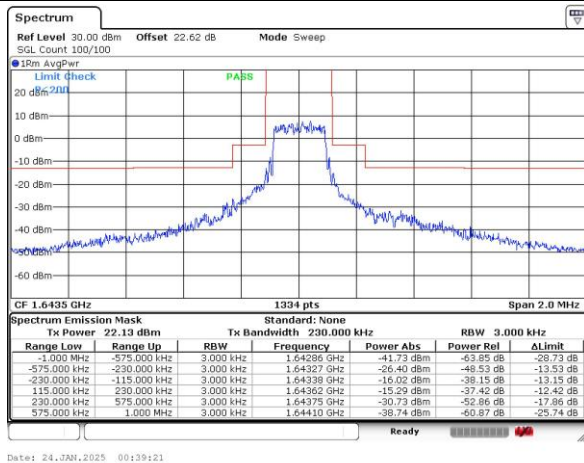
## Lowest Channel / 12SC0 / QPSK

N/A



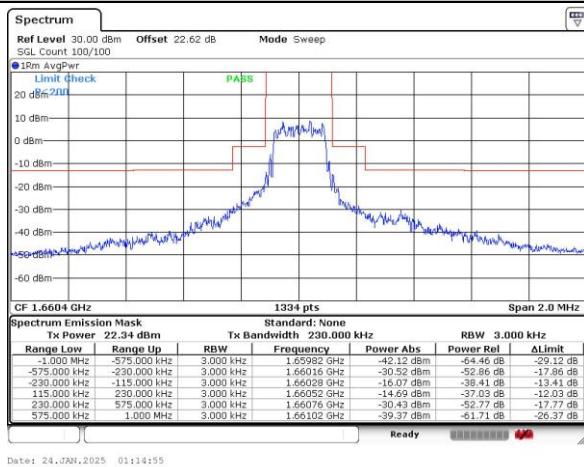
## Middle Channel / 12SC0 / QPSK

N/A



## Highest Channel / 12SC0 / QPSK

N/A

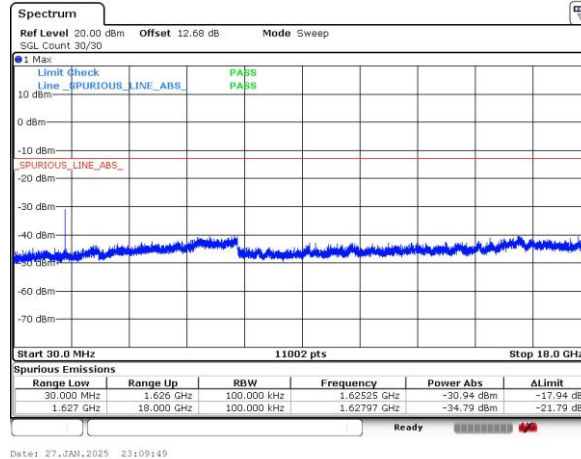




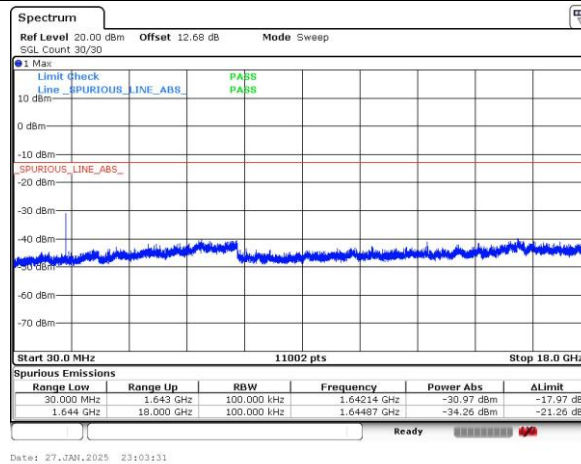
## Conducted Spurious Emission

### Band 255 SCS 3.75kHz

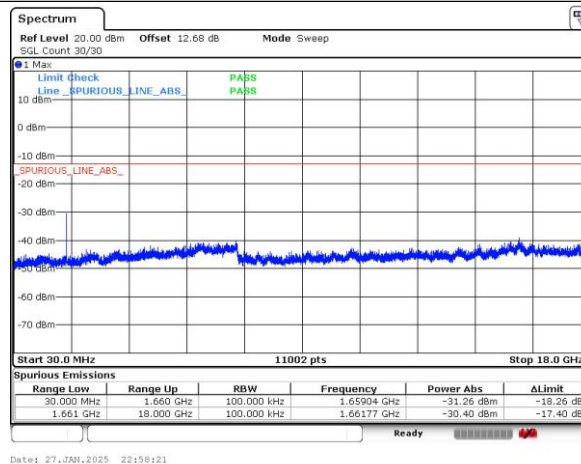
#### Lowest Channel / 1SC0 / QPSK



#### Middle Channel / 1SC0 / BPSK



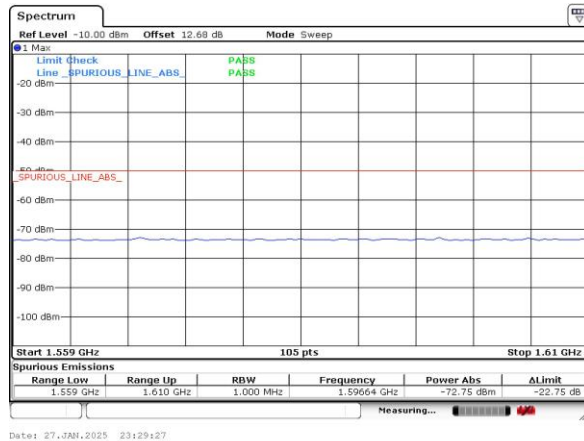
#### Highest Channel / 1SC0 / BPSK



## Emission limits for protection of aeronautical service

Band 255

Carrier off





| B255 L CH 1626.6MHz Broadband |            |            |                                    |            |                               |                |              |             |
|-------------------------------|------------|------------|------------------------------------|------------|-------------------------------|----------------|--------------|-------------|
| SCS (kHz)                     | Modulation | SC Setting | Measured Conducted Value (dBm/MHz) | Gain (dBi) | Measured EIRP Value (dBm/MHz) | Limt (dBm/MHz) | Δ Limit (dB) | Test Result |
| 3.75                          | BPSK       | 1SC0       | -53.16                             | -3.90      | -57.06                        | -40.00         | -17.06       | Pass        |
| 3.75                          | BPSK       | 1SC47      | -53.55                             | -3.90      | -57.45                        | -40.00         | -17.45       | Pass        |
| 3.75                          | QPSK       | 1SC0       | -53.01                             | -3.90      | -56.91                        | -40.00         | -16.91       | Pass        |
| 3.75                          | QPSK       | 1SC47      | -53.56                             | -3.90      | -57.46                        | -40.00         | -17.46       | Pass        |
| 15                            | BPSK       | 1SC0       | -53.17                             | -3.90      | -57.07                        | -40.00         | -17.07       | Pass        |
| 15                            | BPSK       | 1SC11      | -53.27                             | -3.90      | -57.17                        | -40.00         | -17.17       | Pass        |
| 15                            | QPSK       | 1SC0       | -53.05                             | -3.90      | -56.95                        | -40.00         | -16.95       | Pass        |
| 15                            | QPSK       | 1SC11      | -53.12                             | -3.90      | -57.02                        | -40.00         | -17.02       | Pass        |
| 15                            | QPSK       | 3SC0       | -53.23                             | -3.90      | -57.13                        | -40.00         | -17.13       | Pass        |
| 15                            | QPSK       | 3SC9       | -53.46                             | -3.90      | -57.36                        | -40.00         | -17.36       | Pass        |
| 15                            | QPSK       | 6SC0       | -53.09                             | -3.90      | -56.99                        | -40.00         | -16.99       | Pass        |
| 15                            | QPSK       | 6SC6       | -53.06                             | -3.90      | -56.96                        | -40.00         | -16.96       | Pass        |
| 15                            | QPSK       | 12SC0      | -53.10                             | -3.90      | -57.00                        | -40.00         | -17.00       | Pass        |

| B255 M CH 1643.5MHz Broadband |            |            |                                    |            |                               |                |              |             |
|-------------------------------|------------|------------|------------------------------------|------------|-------------------------------|----------------|--------------|-------------|
| SCS (kHz)                     | Modulation | SC Setting | Measured Conducted Value (dBm/MHz) | Gain (dBi) | Measured EIRP Value (dBm/MHz) | Limt (dBm/MHz) | Δ Limit (dB) | Test Result |
| 3.75                          | BPSK       | 1SC0       | -52.89                             | -3.90      | -56.79                        | -40.00         | -16.79       | Pass        |
| 3.75                          | BPSK       | 1SC47      | -52.98                             | -3.90      | -56.88                        | -40.00         | -16.88       | Pass        |
| 3.75                          | QPSK       | 1SC0       | -53.50                             | -3.90      | -57.40                        | -40.00         | -17.40       | Pass        |
| 3.75                          | QPSK       | 1SC47      | -52.87                             | -3.90      | -56.77                        | -40.00         | -16.77       | Pass        |
| 15                            | BPSK       | 1SC0       | -53.19                             | -3.90      | -57.09                        | -40.00         | -17.09       | Pass        |
| 15                            | BPSK       | 1SC11      | -53.38                             | -3.90      | -57.28                        | -40.00         | -17.28       | Pass        |
| 15                            | QPSK       | 1SC0       | -53.32                             | -3.90      | -57.22                        | -40.00         | -17.22       | Pass        |
| 15                            | QPSK       | 1SC11      | -53.51                             | -3.90      | -57.41                        | -40.00         | -17.41       | Pass        |
| 15                            | QPSK       | 3SC0       | -53.42                             | -3.90      | -57.32                        | -40.00         | -17.32       | Pass        |
| 15                            | QPSK       | 3SC9       | -53.42                             | -3.90      | -57.32                        | -40.00         | -17.32       | Pass        |
| 15                            | QPSK       | 6SC0       | -53.24                             | -3.90      | -57.14                        | -40.00         | -17.14       | Pass        |
| 15                            | QPSK       | 6SC6       | -53.32                             | -3.90      | -57.22                        | -40.00         | -17.22       | Pass        |
| 15                            | QPSK       | 12SC0      | -53.54                             | -3.90      | -57.44                        | -40.00         | -17.44       | Pass        |

| B255 H CH 1660.4MHz Broadband |            |            |                                    |            |                               |                |              |             |
|-------------------------------|------------|------------|------------------------------------|------------|-------------------------------|----------------|--------------|-------------|
| SCS (kHz)                     | Modulation | SC Setting | Measured Conducted Value (dBm/MHz) | Gain (dBi) | Measured EIRP Value (dBm/MHz) | Limt (dBm/MHz) | Δ Limit (dB) | Test Result |
| 3.75                          | BPSK       | 1SC0       | -53.93                             | -3.90      | -57.83                        | -40.00         | -17.83       | Pass        |
| 3.75                          | BPSK       | 1SC47      | -53.89                             | -3.90      | -57.79                        | -40.00         | -17.79       | Pass        |
| 3.75                          | QPSK       | 1SC0       | -53.75                             | -3.90      | -57.65                        | -40.00         | -17.65       | Pass        |
| 3.75                          | QPSK       | 1SC47      | -53.76                             | -3.90      | -57.66                        | -40.00         | -17.66       | Pass        |
| 15                            | BPSK       | 1SC0       | -53.73                             | -3.90      | -57.63                        | -40.00         | -17.63       | Pass        |
| 15                            | BPSK       | 1SC11      | -53.80                             | -3.90      | -57.70                        | -40.00         | -17.70       | Pass        |
| 15                            | QPSK       | 1SC0       | -53.54                             | -3.90      | -57.44                        | -40.00         | -17.44       | Pass        |
| 15                            | QPSK       | 1SC11      | -53.58                             | -3.90      | -57.48                        | -40.00         | -17.48       | Pass        |
| 15                            | QPSK       | 3SC0       | -54.02                             | -3.90      | -57.92                        | -40.00         | -17.92       | Pass        |
| 15                            | QPSK       | 3SC9       | -53.81                             | -3.90      | -57.71                        | -40.00         | -17.71       | Pass        |
| 15                            | QPSK       | 6SC0       | -53.54                             | -3.90      | -57.44                        | -40.00         | -17.44       | Pass        |
| 15                            | QPSK       | 6SC6       | -53.60                             | -3.90      | -57.50                        | -40.00         | -17.50       | Pass        |
| 15                            | QPSK       | 12SC0      | -53.84                             | -3.90      | -57.74                        | -40.00         | -17.74       | Pass        |

**Remark:** The max hold trace is used initially. If the result of the max hold trace fails, then the plot will be zoomed in on the frequency with the worst signal, and the average trace will be used.

| B255 L CH 1626.6MHz Discrete |            |            |                                      |            |                                 |                 |              |             |
|------------------------------|------------|------------|--------------------------------------|------------|---------------------------------|-----------------|--------------|-------------|
| SCS (kHz)                    | Modulation | SC Setting | Measured Conducted Value (dBm/30kHz) | Gain (dBi) | Measured EIRP Value (dBm/30kHz) | Limit (dBm/kHz) | Δ Limit (dB) | Test Result |
| 3.75                         | BPSK       | 1SC0       | -59.35                               | -3.90      | -63.25                          | -50.00          | -13.25       | Pass        |
| 3.75                         | BPSK       | 1SC47      | -59.88                               | -3.90      | -63.78                          | -50.00          | -13.78       | Pass        |
| 3.75                         | QPSK       | 1SC0       | -60.19                               | -3.90      | -64.09                          | -50.00          | -14.09       | Pass        |
| 3.75                         | QPSK       | 1SC47      | -59.94                               | -3.90      | -63.84                          | -50.00          | -13.84       | Pass        |
| 15                           | BPSK       | 1SC0       | 59.69                                | -3.90      | 55.79                           | 69.38           | -13.59       | Pass        |
| 15                           | BPSK       | 1SC11      | -59.01                               | -3.90      | -62.91                          | -50.00          | -12.91       | Pass        |
| 15                           | QPSK       | 1SC0       | -59.87                               | -3.90      | -63.77                          | -50.00          | -13.77       | Pass        |
| 15                           | QPSK       | 1SC11      | -59.91                               | -3.90      | -63.81                          | -50.00          | -13.81       | Pass        |
| 15                           | QPSK       | 3SC0       | -59.81                               | -3.90      | -63.71                          | -50.00          | -13.71       | Pass        |
| 15                           | QPSK       | 3SC9       | -59.84                               | -3.90      | -63.74                          | -50.00          | -13.74       | Pass        |
| 15                           | QPSK       | 6SC0       | -60.05                               | -3.90      | -63.95                          | -50.00          | -13.95       | Pass        |
| 15                           | QPSK       | 6SC6       | -59.86                               | -3.90      | -63.76                          | -50.00          | -13.76       | Pass        |
| 15                           | QPSK       | 12SC0      | -59.08                               | -3.90      | -62.98                          | -50.00          | -12.98       | Pass        |

| B255 M CH 1643.5MHz Discrete |            |            |                                      |            |                                 |                 |              |             |
|------------------------------|------------|------------|--------------------------------------|------------|---------------------------------|-----------------|--------------|-------------|
| SCS (kHz)                    | Modulation | SC Setting | Measured Conducted Value (dBm/30kHz) | Gain (dBi) | Measured EIRP Value (dBm/30kHz) | Limit (dBm/kHz) | Δ Limit (dB) | Test Result |
| 3.75                         | BPSK       | 1SC0       | -58.96                               | -3.90      | -62.86                          | -50.00          | -12.86       | Pass        |
| 3.75                         | BPSK       | 1SC47      | -59.58                               | -3.90      | -63.48                          | -50.00          | -13.48       | Pass        |
| 3.75                         | QPSK       | 1SC0       | -59.53                               | -3.90      | -63.43                          | -50.00          | -13.43       | Pass        |
| 3.75                         | QPSK       | 1SC47      | -59.76                               | -3.90      | -63.66                          | -50.00          | -13.66       | Pass        |
| 15                           | BPSK       | 1SC0       | -59.96                               | -3.90      | -63.86                          | -50.00          | -13.86       | Pass        |
| 15                           | BPSK       | 1SC11      | -60.33                               | -3.90      | -64.23                          | -50.00          | -14.23       | Pass        |
| 15                           | QPSK       | 1SC0       | -59.80                               | -3.90      | -63.70                          | -50.00          | -13.70       | Pass        |
| 15                           | QPSK       | 1SC11      | -60.08                               | -3.90      | -63.98                          | -50.00          | -13.98       | Pass        |
| 15                           | QPSK       | 3SC0       | -59.77                               | -3.90      | -63.67                          | -50.00          | -13.67       | Pass        |
| 15                           | QPSK       | 3SC9       | -59.70                               | -3.90      | -63.60                          | -50.00          | -13.60       | Pass        |
| 15                           | QPSK       | 6SC0       | -60.15                               | -3.90      | -64.05                          | -50.00          | -14.05       | Pass        |
| 15                           | QPSK       | 6SC6       | -59.97                               | -3.90      | -63.87                          | -50.00          | -13.87       | Pass        |
| 15                           | QPSK       | 12SC0      | -59.97                               | -3.90      | -63.87                          | -50.00          | -13.87       | Pass        |



| B255 H CH 1660.4MHz Discrete |            |            |                                      |            |                                 |                 |              |             |
|------------------------------|------------|------------|--------------------------------------|------------|---------------------------------|-----------------|--------------|-------------|
| SCS (kHz)                    | Modulation | SC Setting | Measured Conducted Value (dBm/30kHz) | Gain (dBi) | Measured EIRP Value (dBm/30kHz) | Limit (dBm/kHz) | Δ Limit (dB) | Test Result |
| 3.75                         | BPSK       | 1SC0       | -59.36                               | -3.90      | -63.26                          | -50.00          | -13.26       | Pass        |
| 3.75                         | BPSK       | 1SC47      | -60.21                               | -3.90      | -64.11                          | -50.00          | -14.11       | Pass        |
| 3.75                         | QPSK       | 1SC0       | -59.36                               | -3.90      | -63.26                          | -50.00          | -13.26       | Pass        |
| 3.75                         | QPSK       | 1SC47      | -59.01                               | -3.90      | -62.91                          | -50.00          | -12.91       | Pass        |
| 15                           | BPSK       | 1SC0       | -59.20                               | -3.90      | -63.10                          | -50.00          | -13.10       | Pass        |
| 15                           | BPSK       | 1SC11      | -60.12                               | -3.90      | -64.02                          | -50.00          | -14.02       | Pass        |
| 15                           | QPSK       | 1SC0       | -59.20                               | -3.90      | -63.10                          | -50.00          | -13.10       | Pass        |
| 15                           | QPSK       | 1SC11      | -58.62                               | -3.90      | -62.52                          | -50.00          | -12.52       | Pass        |
| 15                           | QPSK       | 3SC0       | -58.62                               | -3.90      | -62.52                          | -50.00          | -12.52       | Pass        |
| 15                           | QPSK       | 3SC9       | -59.73                               | -3.90      | -63.63                          | -50.00          | -13.63       | Pass        |
| 15                           | QPSK       | 6SC0       | -59.79                               | -3.90      | -63.69                          | -50.00          | -13.69       | Pass        |
| 15                           | QPSK       | 6SC6       | -59.94                               | -3.90      | -63.84                          | -50.00          | -13.84       | Pass        |
| 15                           | QPSK       | 12SC0      | -59.19                               | -3.90      | -63.09                          | -50.00          | -13.09       | Pass        |

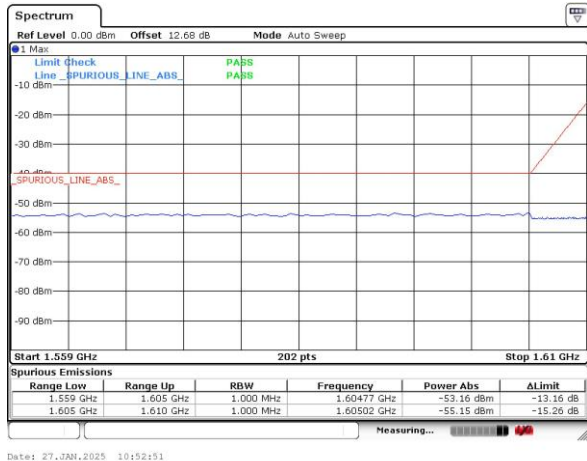
**Remark:** The RBW is set to 30 kHz initially. If the result of the RBW 30 kHz fails, then the plot will be zoomed in on the frequency with the worst signal, and the RBW will be set to 1 kHz.



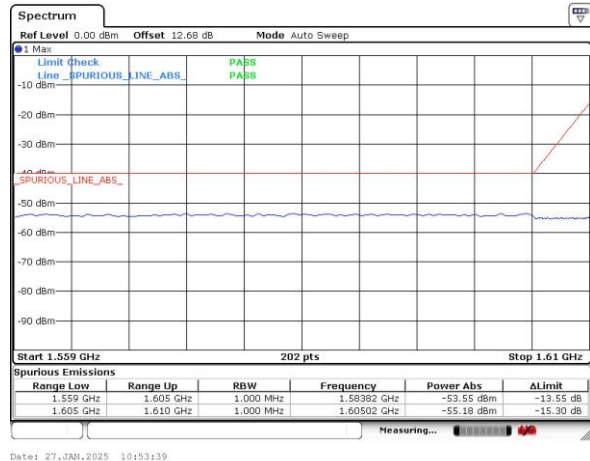
## Band 255 SCS 3.75kHz

## BPSK

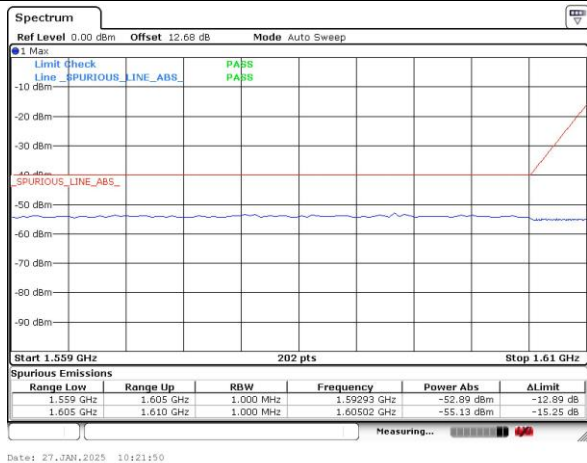
## Lowest Channel / 1SC0 Broadband



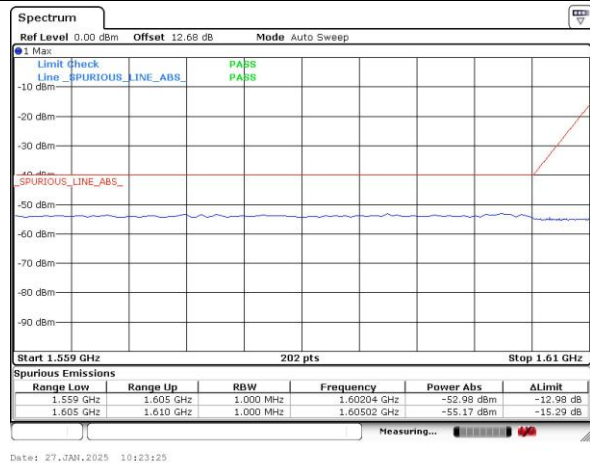
## Lowest Channel / 1SC47 Broadband



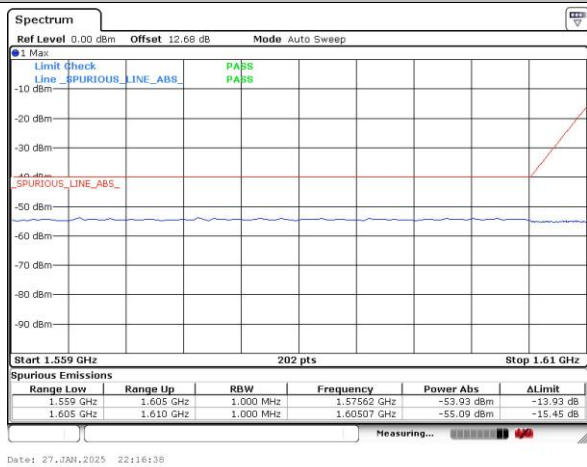
## Middle Channel / 1SC0 Broadband



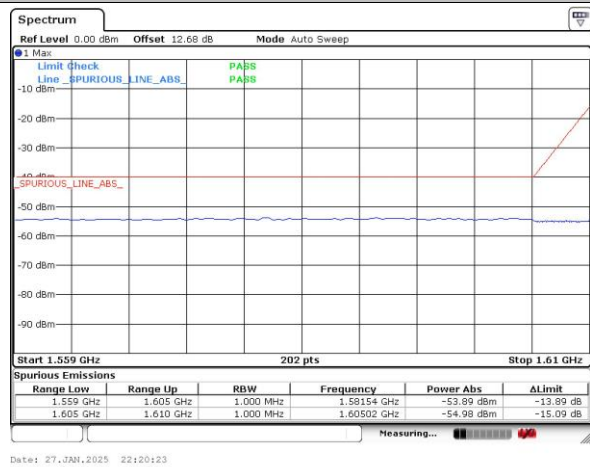
## Middle Channel / 1SC47 Broadband



## Highest Channel / 1SC0 Broadband

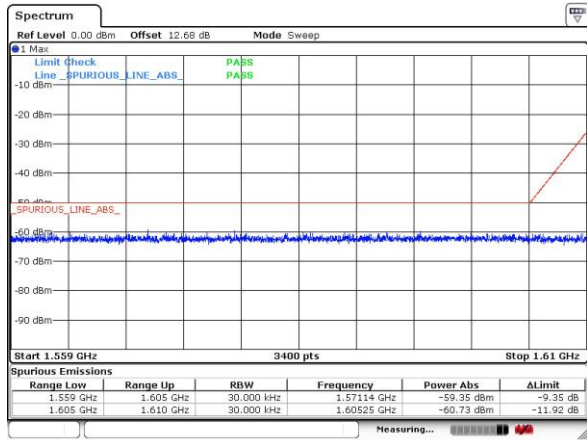


## Highest Channel / 1SC47 Broadband



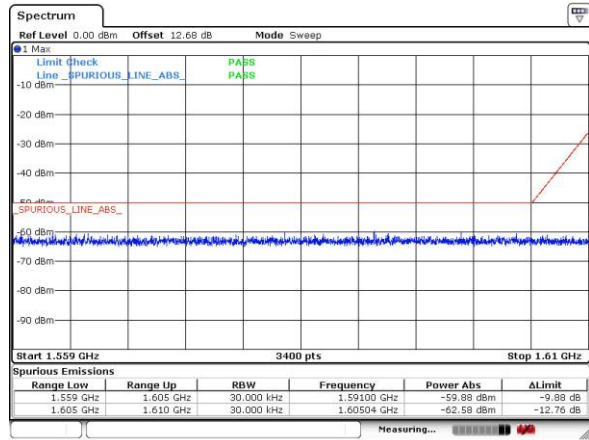


## Lowest Channel / 1SC0 Discrete



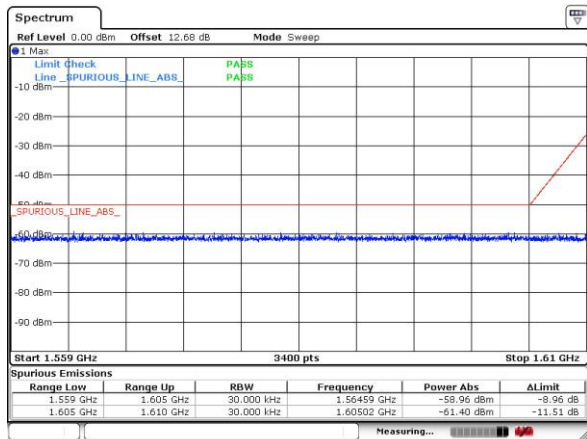
Date: 27\_JAN,2025 22:01:21

## Lowest Channel / 1SC47 Discrete



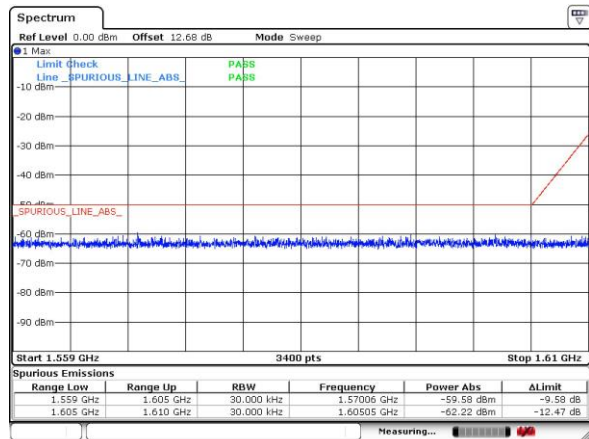
Date: 27\_JAN,2025 21:46:02

## Middle Channel / 1SC0 Discrete



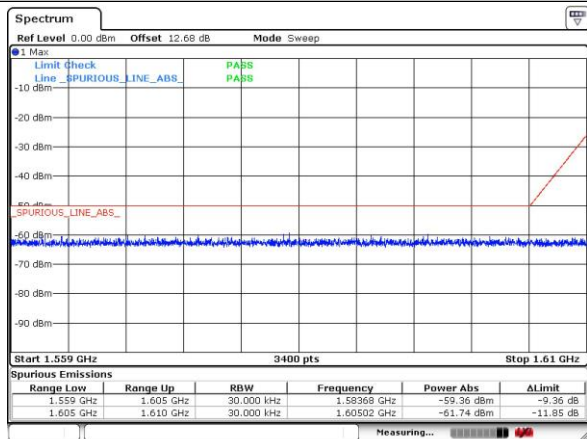
Date: 27\_JAN,2025 21:20:57

## Middle Channel / 1SC47 Discrete



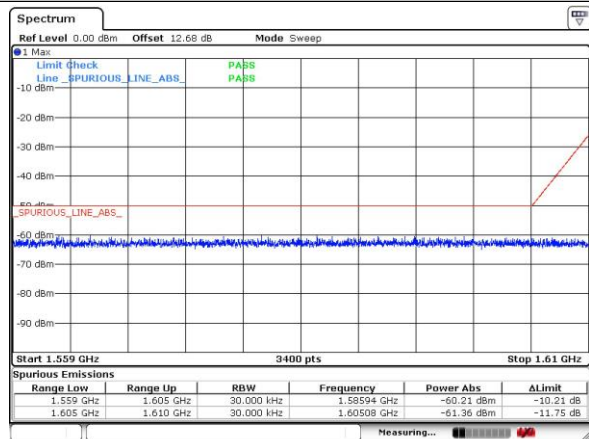
Date: 27\_JAN,2025 22:03:24

## Highest Channel / 1SC0 Discrete



Date: 27\_JAN,2025 22:37:27

## Highest Channel / 1SC47 Discrete



Date: 27\_JAN,2025 22:40:21