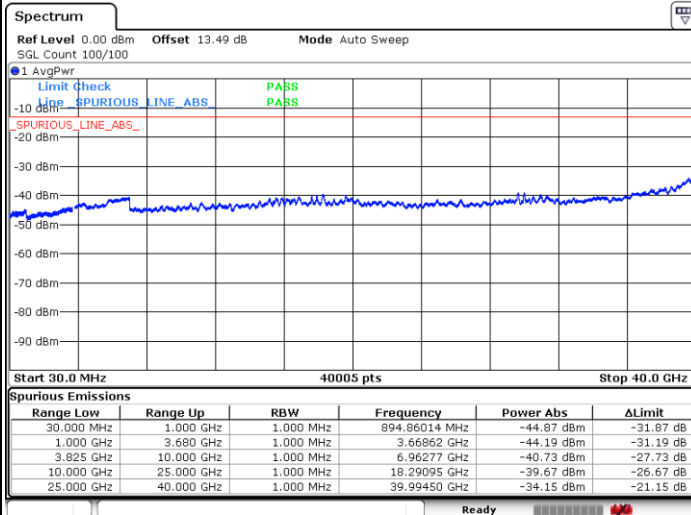




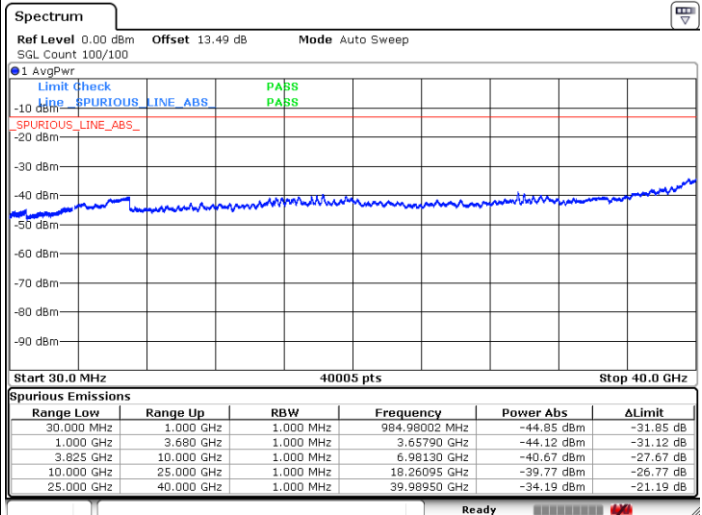
## FR1 n78 / 40MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB1

## Middle Channel / 1RB1

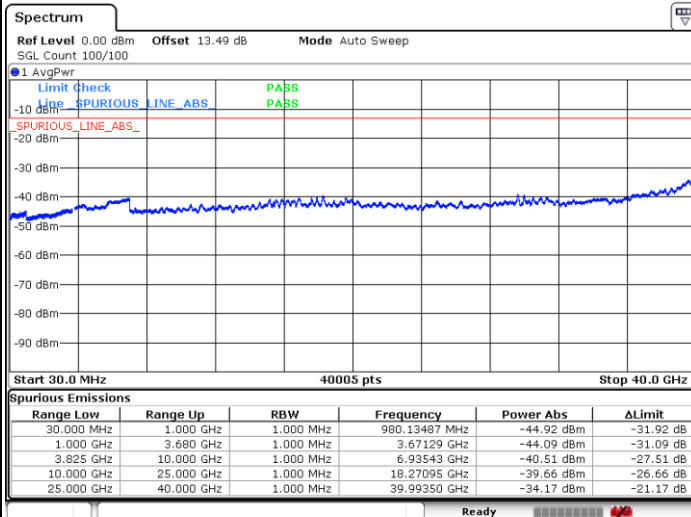


Date: 5.MAR.2022 19:30:43



Date: 5.MAR.2022 19:37:46

## Highest Channel / 1RB1



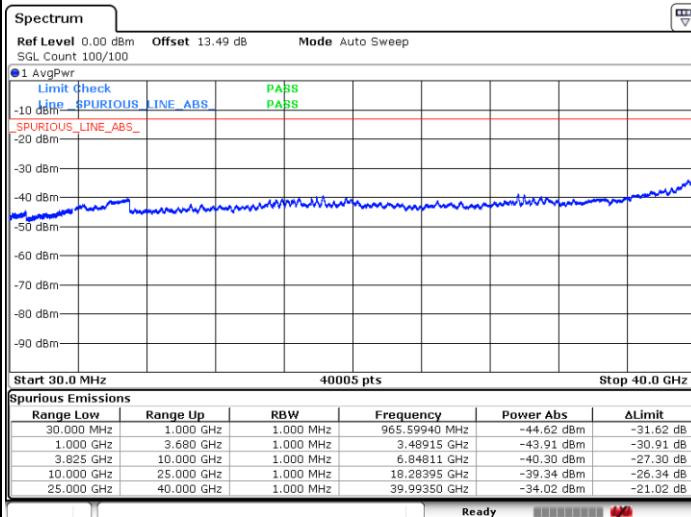
Date: 5.MAR.2022 19:34:32



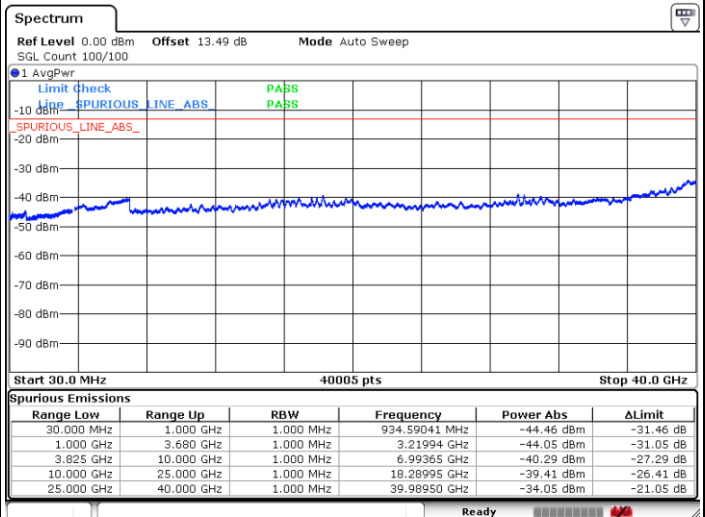
## FR1 n78 / 50MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB1

## Middle Channel / 1RB1

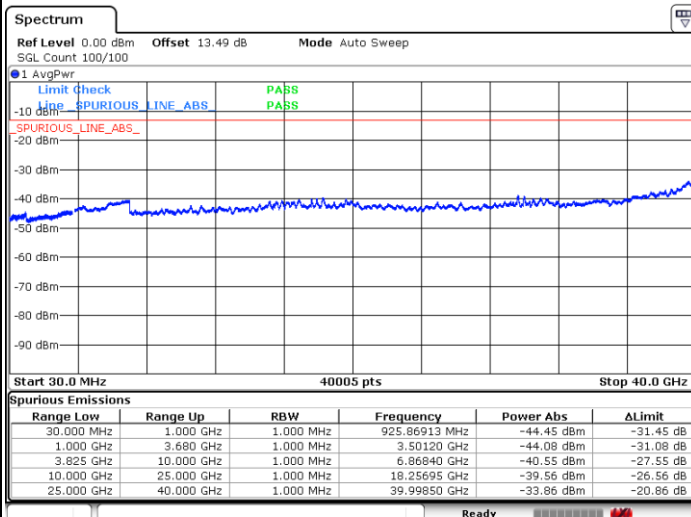


Date: 5.MAR.2022 19:19:39



Date: 5.MAR.2022 18:59:38

## Highest Channel / 1RB1

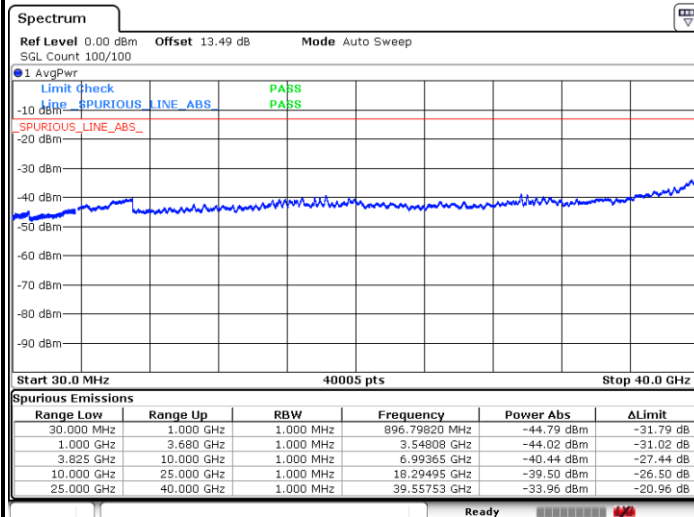


Date: 5.MAR.2022 19:12:48



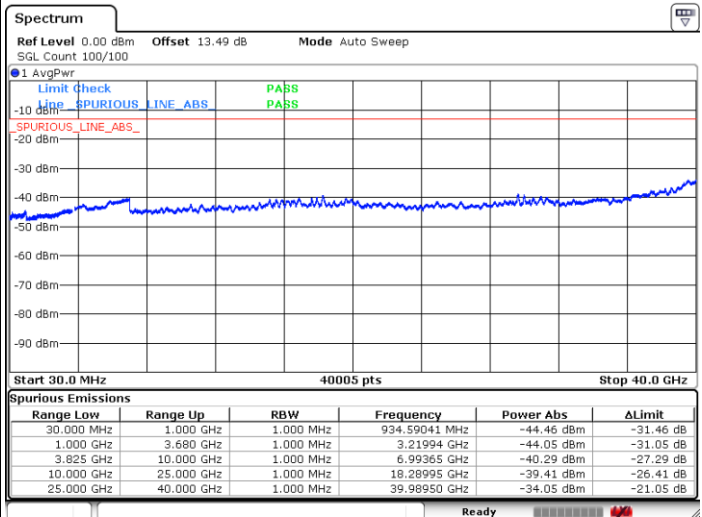
## FR1 n78 / 60MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB1



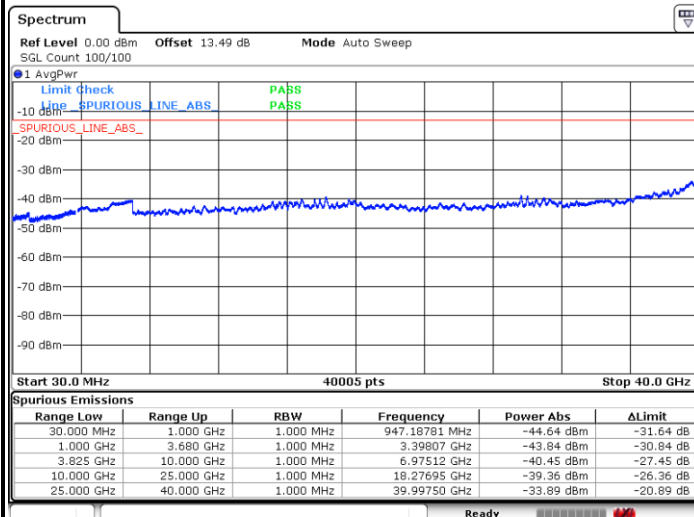
Date: 5.MAR.2022 18:52:25

## Middle Channel / 1RB1



Date: 5.MAR.2022 18:57:19

## Highest Channel / 1RB1

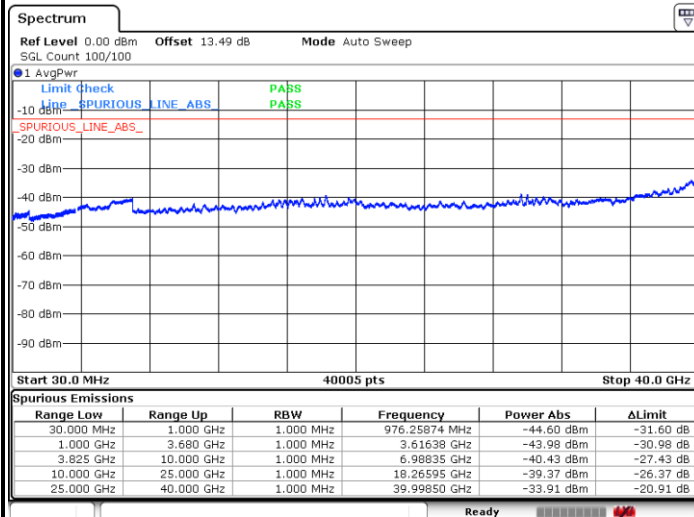


Date: 5.MAR.2022 18:49:06



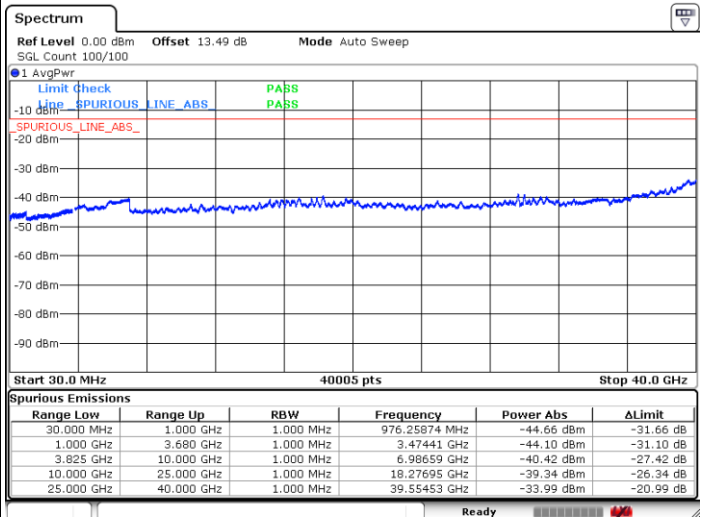
## FR1 n78 / 70MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB1



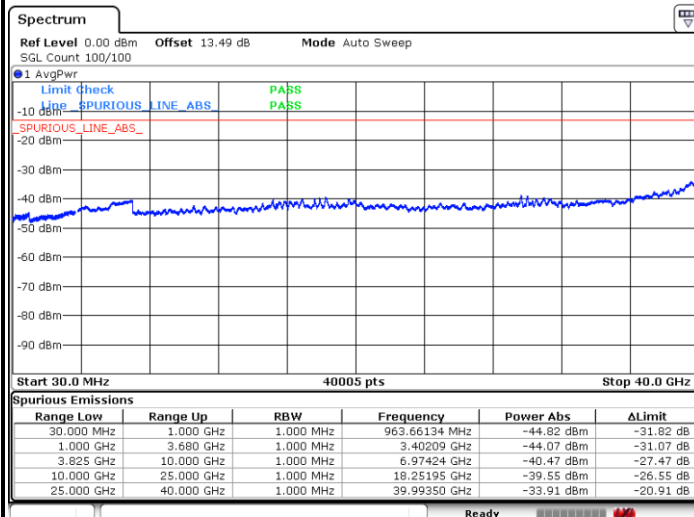
Date: 5.MAR.2022 18:42:48

## Middle Channel / 1RB1



Date: 5.MAR.2022 18:39:50

## Highest Channel / 1RB1



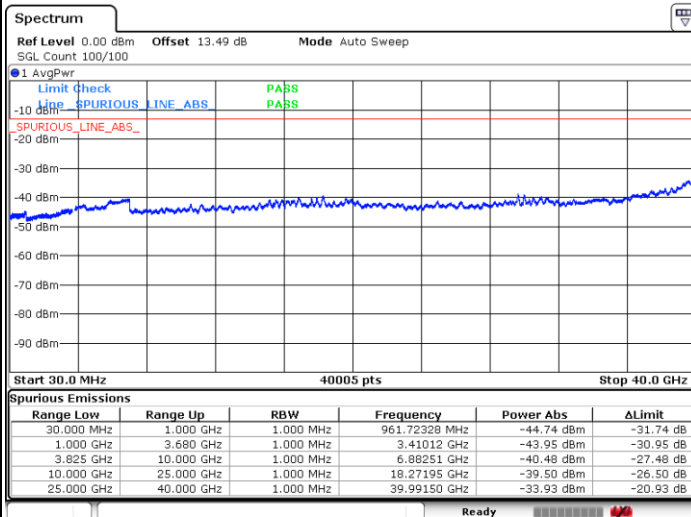
Date: 5.MAR.2022 18:46:17



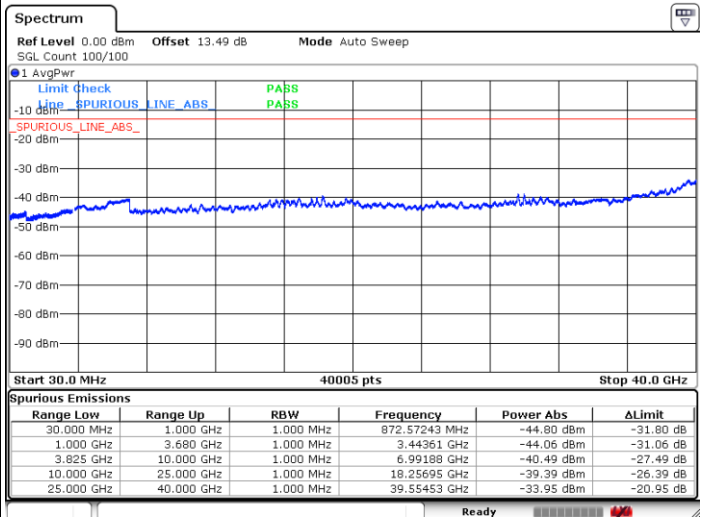
## FR1 n78 / 80MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB1

## Middle Channel / 1RB1

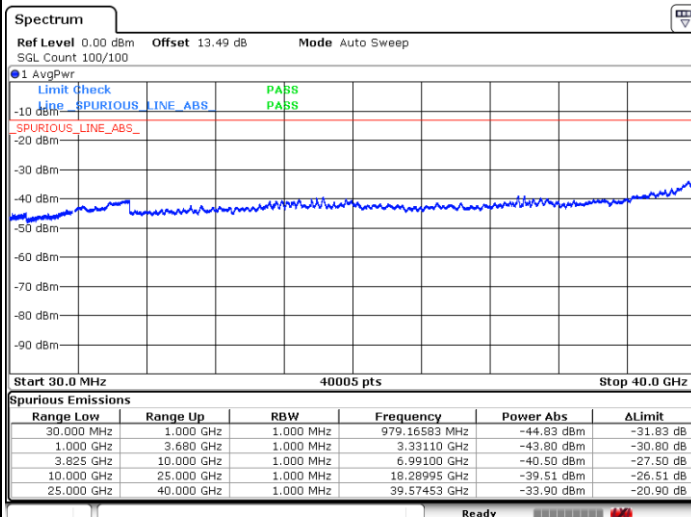


Date: 5.MAR.2022 18:32:56



Date: 5.MAR.2022 18:37:43

## Highest Channel / 1RB1



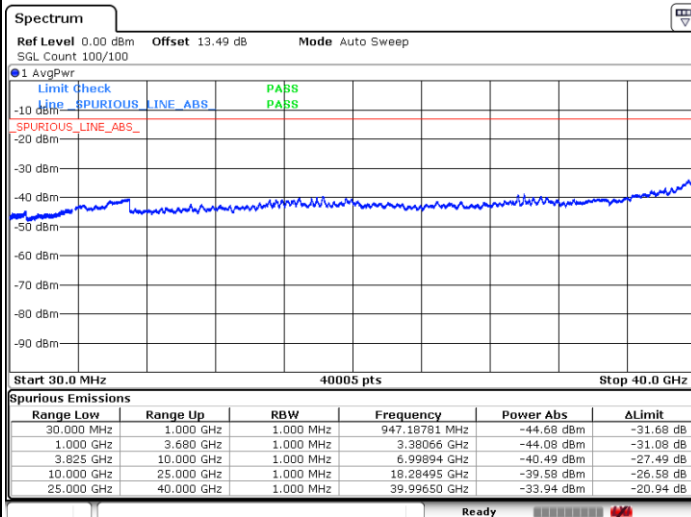
Date: 5.MAR.2022 18:35:02



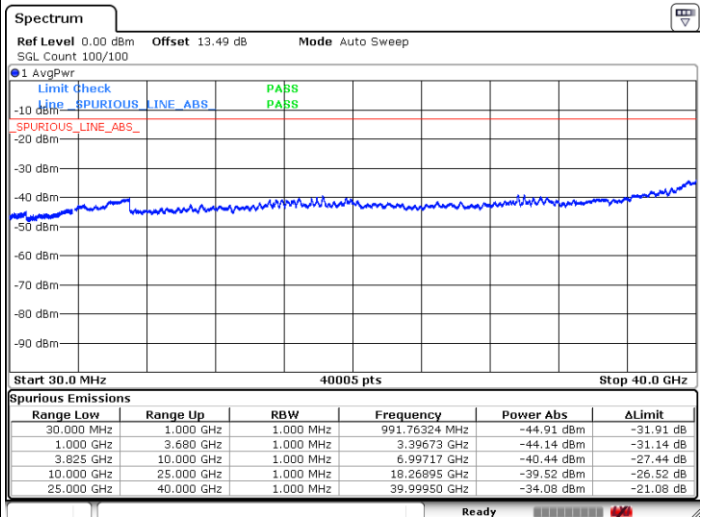
## FR1 n78 / 90MHz / DFT-S OFDM / QPSK

## Lowest Channel / 1RB1

## Middle Channel / 1RB1

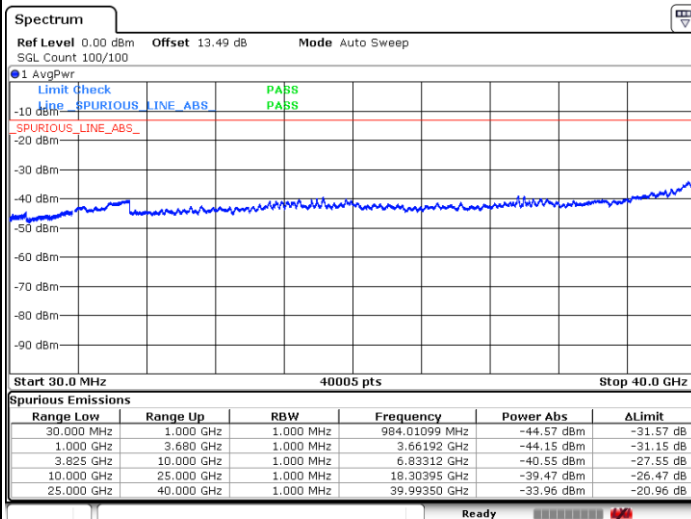


Date: 5.MAR.2022 18:29:19



Date: 5.MAR.2022 18:21:20

## Highest Channel / 1RB1

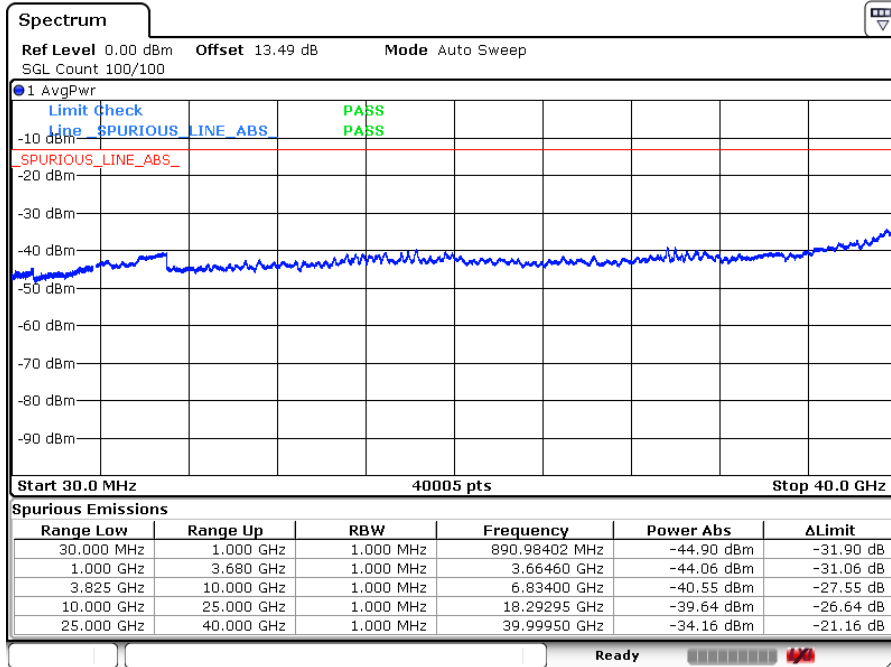


Date: 5.MAR.2022 18:23:34



## FR1 n78 / 100MHz / DFT-S OFDM / QPSK

## Middle Channel / 1RB1



Date: 5 MAR 2022 18:13:14

## Frequency Stability

| Test Conditions  |                   | FR1 n78 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|---------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 20MHz                        | Note 2. |
|                  |                   | Deviation (ppm)                 | Result  |
| 50               | Normal Voltage    | 0.0012                          | PASS    |
| 40               | Normal Voltage    | 0.0006                          |         |
| 30               | Normal Voltage    | 0.0023                          |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                          |         |
| 10               | Normal Voltage    | 0.0015                          |         |
| 0                | Normal Voltage    | 0.0011                          |         |
| -10              | Normal Voltage    | 0.0003                          |         |
| -20              | Normal Voltage    | 0.0021                          |         |
| -30              | Normal Voltage    | 0.0018                          |         |
| 20               | Maximum Voltage   | 0.0019                          |         |
| 20               | Normal Voltage    | 0.0008                          |         |
| 20               | Battery End Point | 0.0023                          |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

|                 |           |                     |        |
|-----------------|-----------|---------------------|--------|
| Test Engineer : | Levi Zhuo | Temperature :       | 22~23℃ |
|                 |           | Relative Humidity : | 41~42% |

Note: Pre-scanned harmonic for the different antenna combinations for EN-DC mode, we choose the worst antenna mode to test.

| EN-DC_7A_n5A / LTE 20MHz + NR 20MHz / QPSK / ANT1(LTE) & ANT0(NR) |                   |             |               |                   |                    |                      |                       |                    |
|-------------------------------------------------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                                           | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                                            | 1656              | -53.70      | -13           | -40.70            | -60.67             | 1.58                 | 10.70                 | H                  |
|                                                                   | 2480              | -57.83      | -13           | -44.83            | -66.08             | 2.10                 | 12.50                 | H                  |
|                                                                   | 3312              | -59.23      | -13           | -46.23            | -68.12             | 2.86                 | 13.90                 | H                  |
|                                                                   | 1656              | -56.97      | -13           | -43.97            | -63.94             | 1.58                 | 10.70                 | V                  |
|                                                                   | 2480              | -54.05      | -13           | -41.05            | -62.30             | 2.10                 | 12.50                 | V                  |
|                                                                   | 3312              | -59.25      | -13           | -46.25            | -68.14             | 2.86                 | 13.90                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| EN-DC_2A_n71A / LTE 20MHz + NR 20MHz / QPSK DFT-s-OFDM / ANT1 (LTE) & ANT0 (NR) |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------------------------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                                                         | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                                                          | 1344              | -67.30       | -13           | -54.30            | -69.05             | 1.02                 | 4.92                  | H                  |
|                                                                                 | 2016              | -61.03       | -13           | -48.03            | -63.00             | 1.27                 | 5.39                  | H                  |
|                                                                                 | 2688              | -59.42       | -13           | -46.42            | -62.35             | 1.49                 | 6.57                  | H                  |
|                                                                                 | 3360              | -59.92       | -13           | -46.92            | -63.32             | 1.73                 | 7.28                  | H                  |
|                                                                                 | 1344              | -66.02       | -13           | -53.02            | -67.77             | 1.02                 | 4.92                  | V                  |
|                                                                                 | 2016              | -60.92       | -13           | -47.92            | -62.89             | 1.27                 | 5.39                  | V                  |
|                                                                                 | 2688              | -58.95       | -13           | -45.95            | -61.88             | 1.49                 | 6.57                  | V                  |
|                                                                                 | 3360              | -59.84       | -13           | -46.84            | -63.24             | 1.73                 | 7.28                  | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| EN-DC_7A_n71A / LTE 20MHz + NR 20MHz / QPSK DFT-s-OFDM / ANT3 (LTE) & ANT0 (NR) |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------------------------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                                                         | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                                                          | 1344              | -66.30       | -13           | -53.30            | -68.05             | 1.02                 | 4.92                  | H                  |
|                                                                                 | 2016              | -61.19       | -13           | -48.19            | -63.16             | 1.27                 | 5.39                  | H                  |
|                                                                                 | 2688              | -59.18       | -13           | -46.18            | -62.11             | 1.49                 | 6.57                  | H                  |
|                                                                                 | 3360              | -59.59       | -13           | -46.59            | -62.99             | 1.73                 | 7.28                  | H                  |
|                                                                                 | 1344              | -66.31       | -13           | -53.31            | -68.06             | 1.02                 | 4.92                  | V                  |
|                                                                                 | 2016              | -60.34       | -13           | -47.34            | -62.31             | 1.27                 | 5.39                  | V                  |
|                                                                                 | 2688              | -58.85       | -13           | -45.85            | -61.78             | 1.49                 | 6.57                  | V                  |
|                                                                                 | 3360              | -59.11       | -13           | -46.11            | -62.51             | 1.73                 | 7.28                  | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| SA n77 / NR 100MHz / QPSK DFT-s-OFDM / ANT4 |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                     | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                      | 7584              | -58.44       | -13           | -45.44            | -68.92             | 2.76                 | 13.24                 | H                  |
|                                             | 11376             | -51.25       | -13           | -38.25            | -60.84             | 3.42                 | 13.01                 | H                  |
|                                             | 15168             | -40.87       | -13           | -27.87            | -50.48             | 3.83                 | 13.44                 | H                  |
|                                             | 7584              | -60.30       | -13           | -47.30            | -70.74             | 2.80                 | 13.24                 | V                  |
|                                             | 11376             | -56.12       | -13           | -43.12            | -65.67             | 3.46                 | 13.01                 | V                  |
|                                             | 15168             | -52.66       | -13           | -39.66            | -62.22             | 3.88                 | 13.44                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| SA n78 / NR 100MHz / QPSK DFT-s-OFDM / ANT4 |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                     | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                      | 7404              | -52.24       | -13           | -39.24            | -62.72             | 2.76                 | 13.24                 | H                  |
|                                             | 11100             | -44.59       | -13           | -31.59            | -54.18             | 3.42                 | 13.01                 | H                  |
|                                             | 14808             | -47.43       | -13           | -34.43            | -57.04             | 3.83                 | 13.44                 | H                  |
|                                             | 7404              | -60.18       | -13           | -47.18            | -70.62             | 2.80                 | 13.24                 | V                  |
|                                             | 11100             | -48.84       | -13           | -35.84            | -58.39             | 3.46                 | 13.01                 | V                  |
|                                             | 14808             | -50.80       | -13           | -37.80            | -60.36             | 3.88                 | 13.44                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| EN-DC_7A_n78A / LTE 20MHz + NR 100MHz / QPSK DFT-s-OFDM / ANT0 (LTE) & ANT4 (NR) |                   |              |               |                   |                    |                      |                       |                    |
|----------------------------------------------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                                                          | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                                                           | 7416              | -55.66       | -13           | -42.66            | -66.14             | 2.76                 | 13.24                 | H                  |
|                                                                                  | 11112             | -44.72       | -13           | -31.72            | -54.31             | 3.42                 | 13.01                 | H                  |
|                                                                                  | 14820             | -42.04       | -13           | -29.04            | -51.65             | 3.83                 | 13.44                 | H                  |
|                                                                                  | 7416              | -58.17       | -13           | -45.17            | -68.61             | 2.80                 | 13.24                 | V                  |
|                                                                                  | 11112             | -51.01       | -13           | -38.01            | -60.56             | 3.46                 | 13.01                 | V                  |
|                                                                                  | 14820             | -45.38       | -13           | -32.38            | -54.94             | 3.88                 | 13.44                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| EN-DC_38A_n78A / LTE 20MHz + NR 100MHz / QPSK DFT-s-OFDM / ANT0 (LTE) & ANT4 (NR) |                   |              |               |                   |                    |                      |                       |                    |
|-----------------------------------------------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                                                           | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                                                            | 7416              | -55.81       | -13           | -42.81            | -66.29             | 2.76                 | 13.24                 | H                  |
|                                                                                   | 11112             | -37.87       | -13           | -24.87            | -47.46             | 3.42                 | 13.01                 | H                  |
|                                                                                   | 14820             | -41.17       | -13           | -28.17            | -50.78             | 3.83                 | 13.44                 | H                  |
|                                                                                   | 7416              | -59.99       | -13           | -46.99            | -70.43             | 2.80                 | 13.24                 | V                  |
|                                                                                   | 11112             | -45.77       | -13           | -32.77            | -55.32             | 3.46                 | 13.01                 | V                  |
|                                                                                   | 14820             | -49.09       | -13           | -36.09            | -58.65             | 3.88                 | 13.44                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| EN-DC_41A_n78A / LTE 20MHz + NR 100MHz / QPSK DFT-s-OFDM / ANT0 (LTE) & ANT4 (NR) |                   |              |               |                   |                    |                      |                       |                    |
|-----------------------------------------------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                                                           | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                                                            | 7404              | -56.95       | -13           | -43.95            | -67.43             | 2.76                 | 13.24                 | H                  |
|                                                                                   | 11100             | -50.89       | -13           | -37.89            | -60.48             | 3.42                 | 13.01                 | H                  |
|                                                                                   | 14808             | -51.32       | -13           | -38.32            | -60.93             | 3.83                 | 13.44                 | H                  |
|                                                                                   | 7404              | -60.61       | -13           | -47.61            | -71.05             | 2.80                 | 13.24                 | V                  |
|                                                                                   | 11100             | -55.95       | -13           | -42.95            | -65.50             | 3.46                 | 13.01                 | V                  |
|                                                                                   | 14808             | -52.88       | -13           | -39.88            | -62.44             | 3.88                 | 13.44                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.