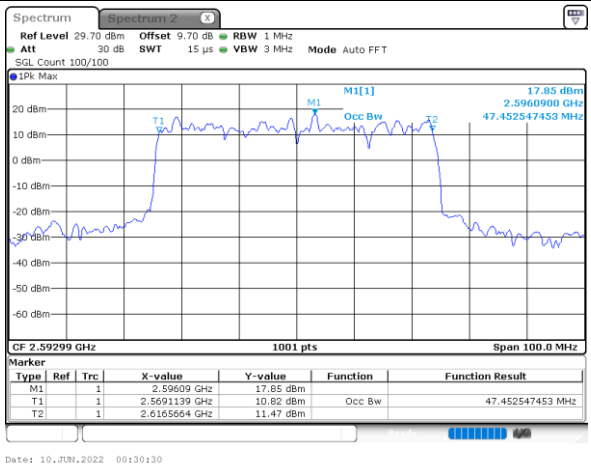
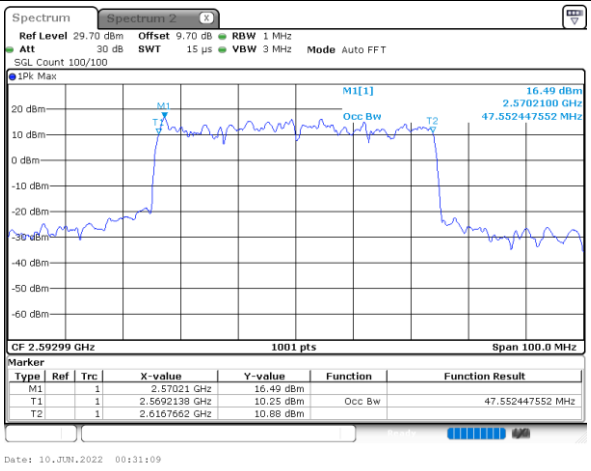
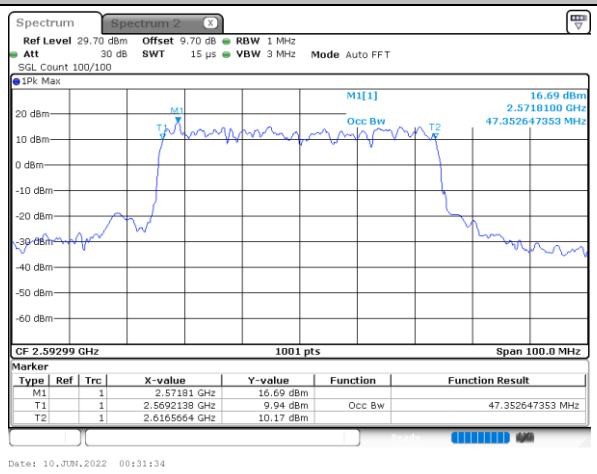
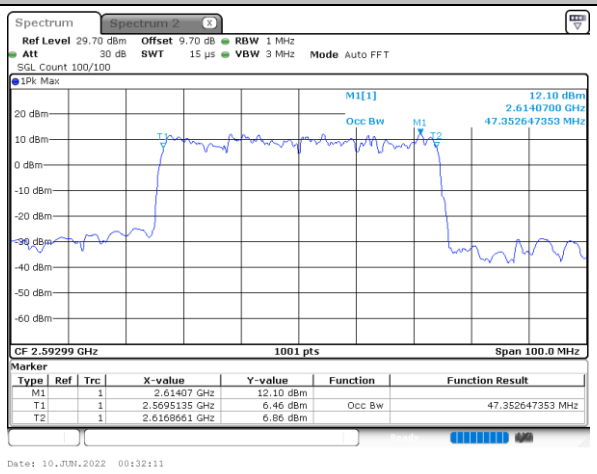
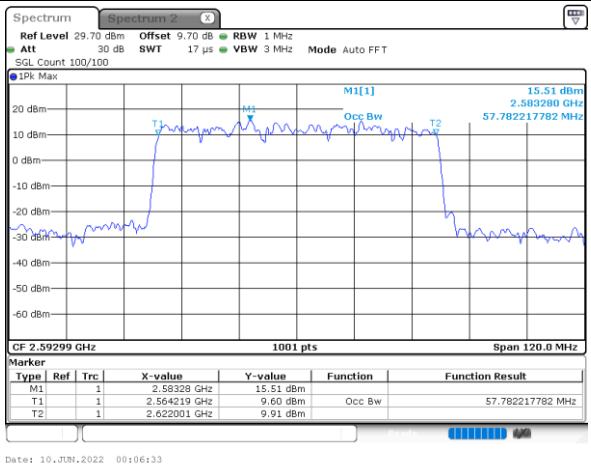
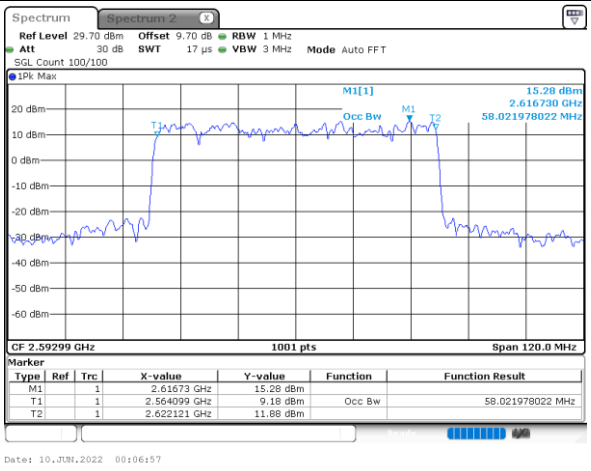
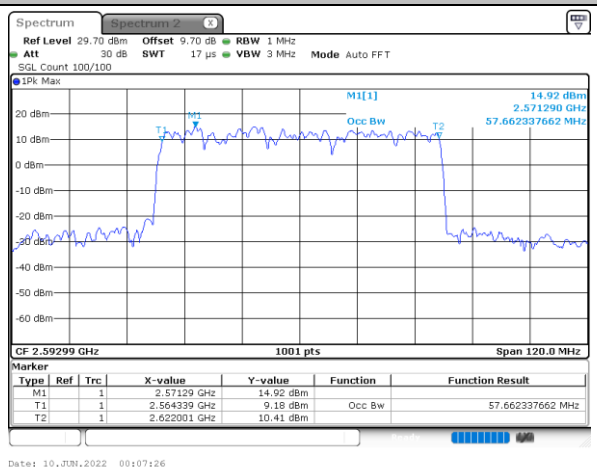
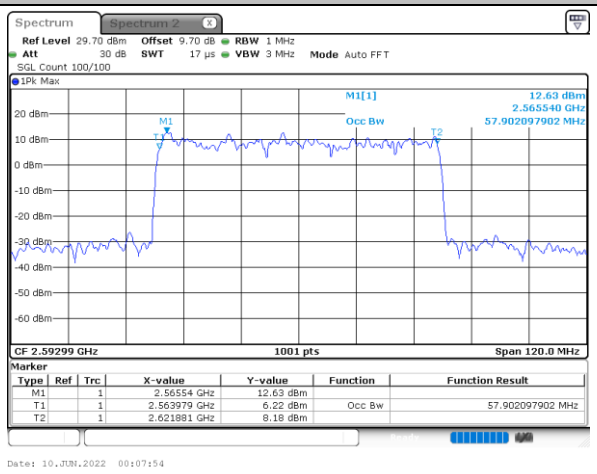
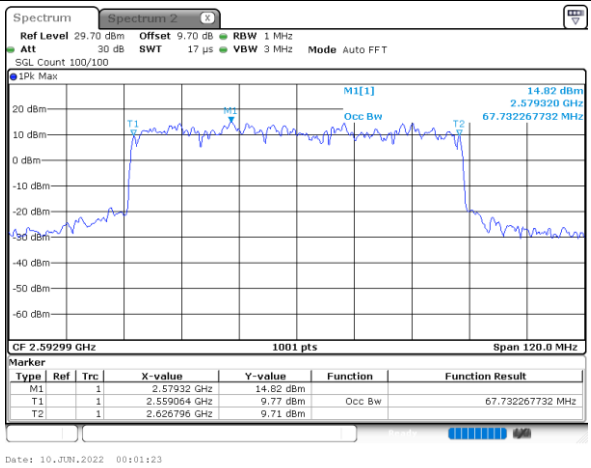
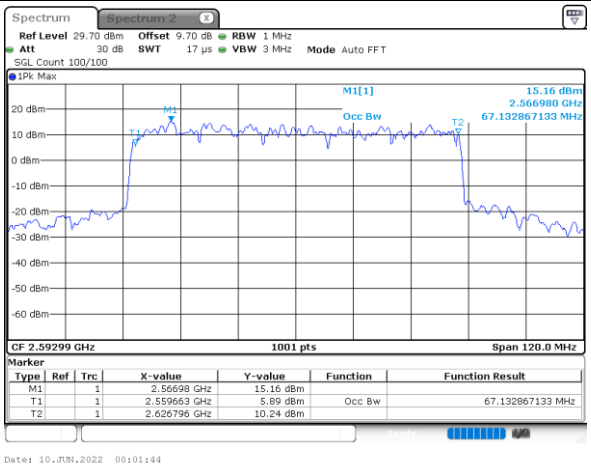
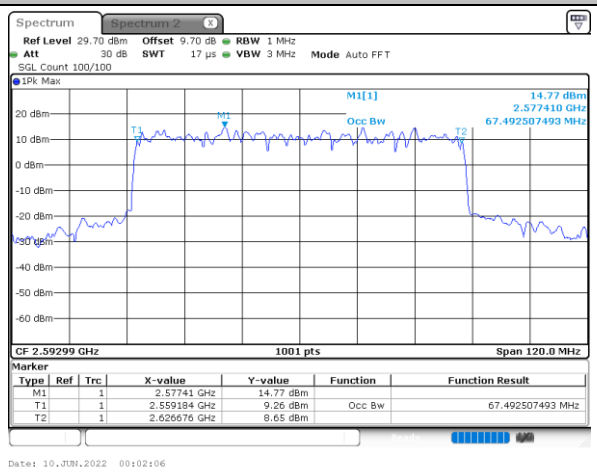
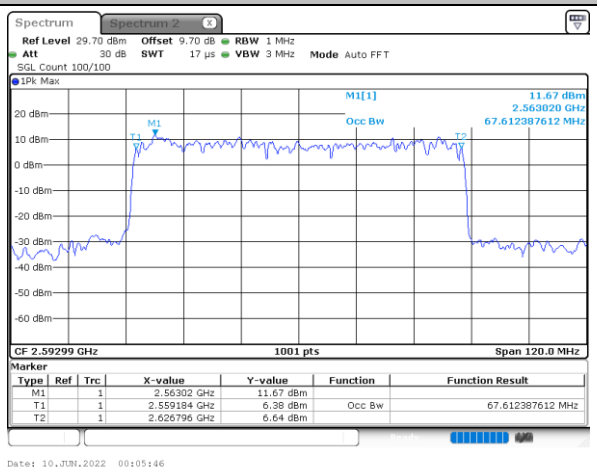
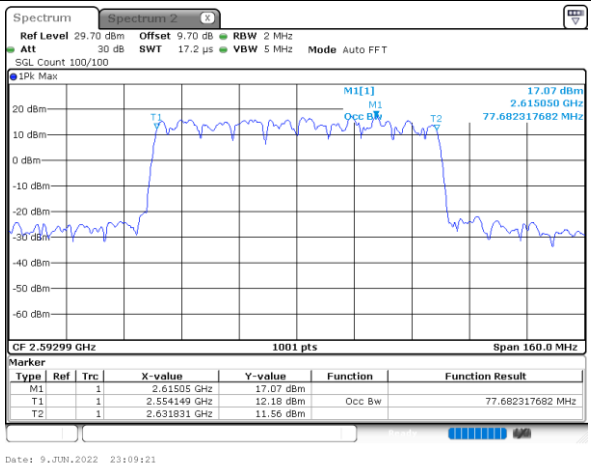
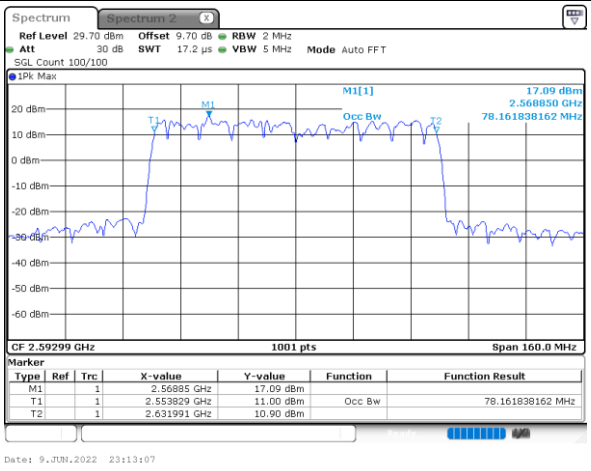
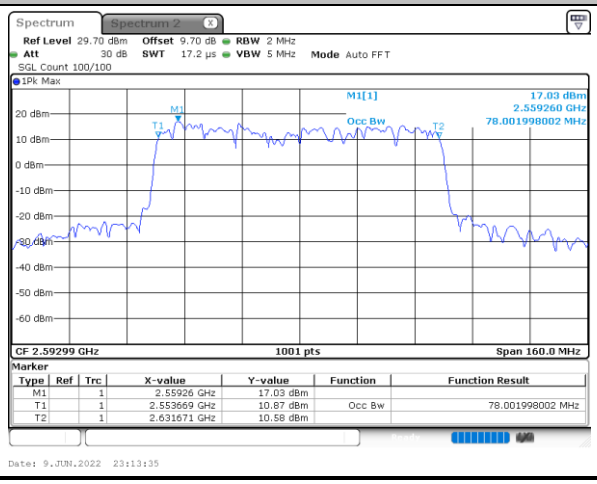
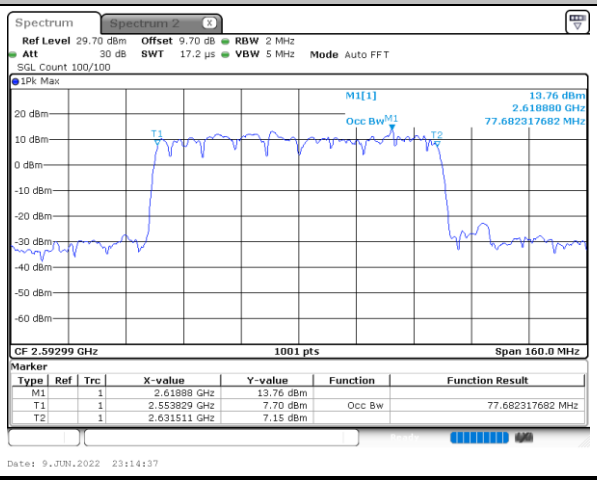
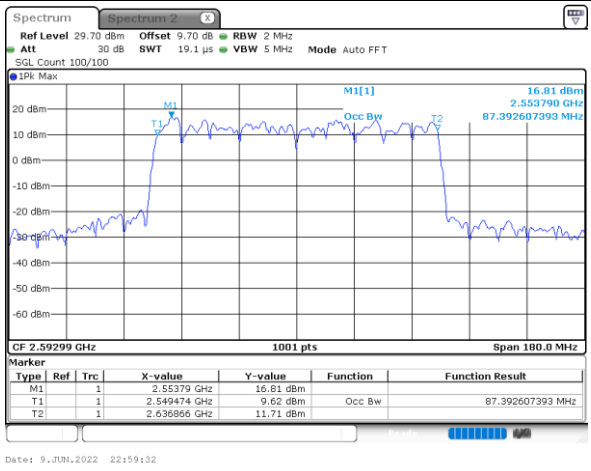
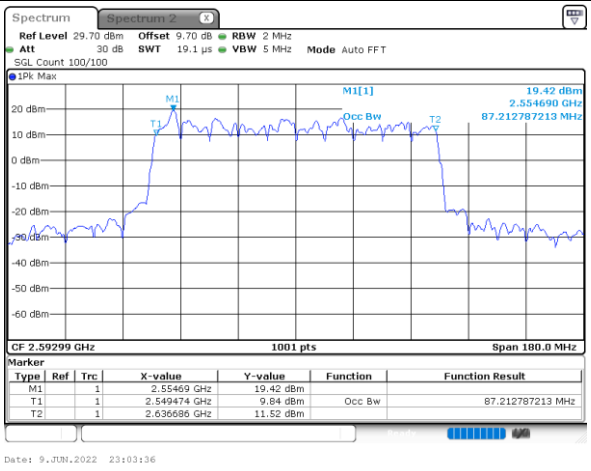
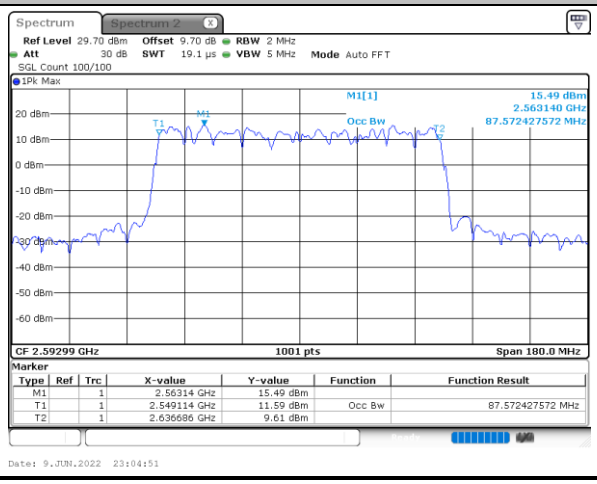
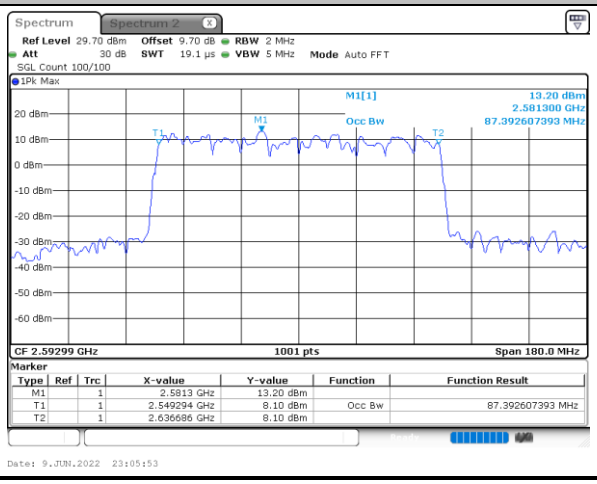
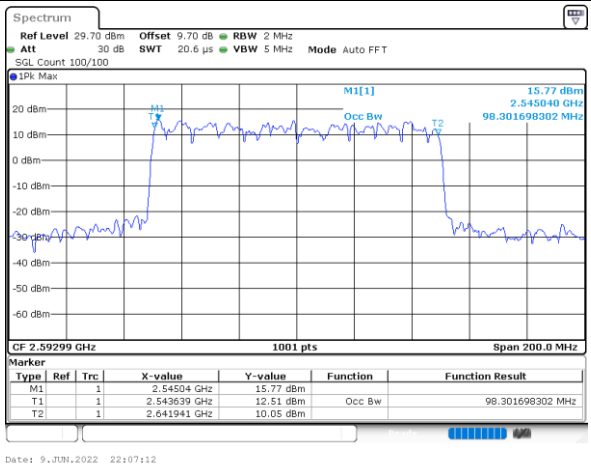
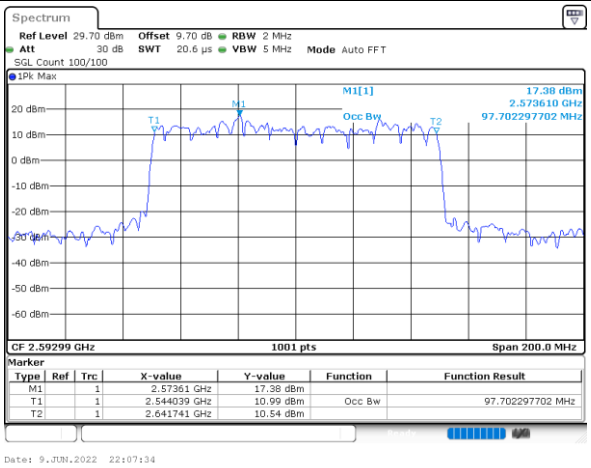
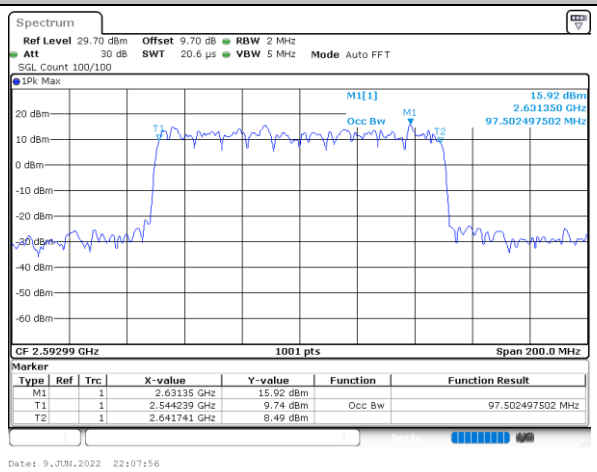
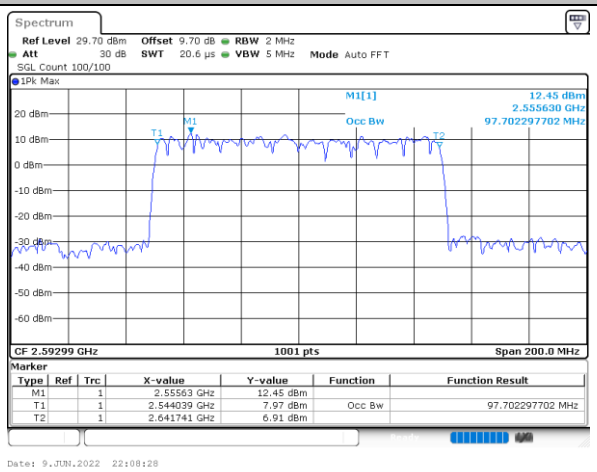
| 50MHz CP | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

| 60MHz CP | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

| 70MHz CP | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 16QAM | 64QAM |
|  |  |

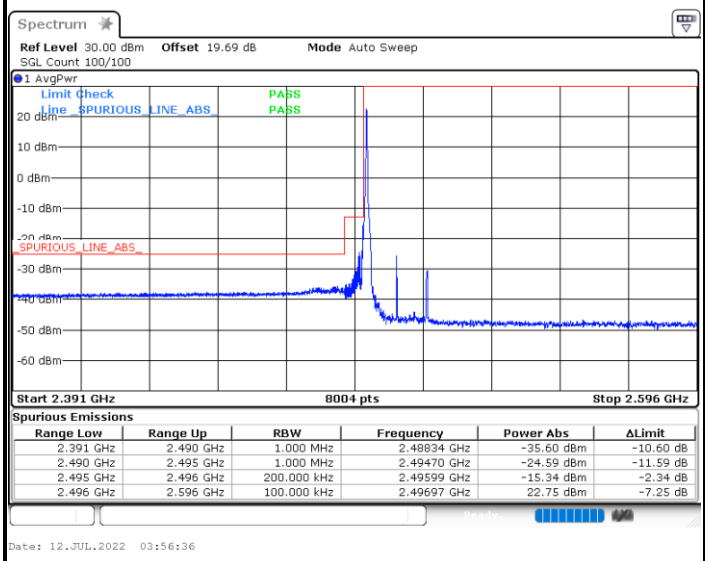
| 80MHz CP | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

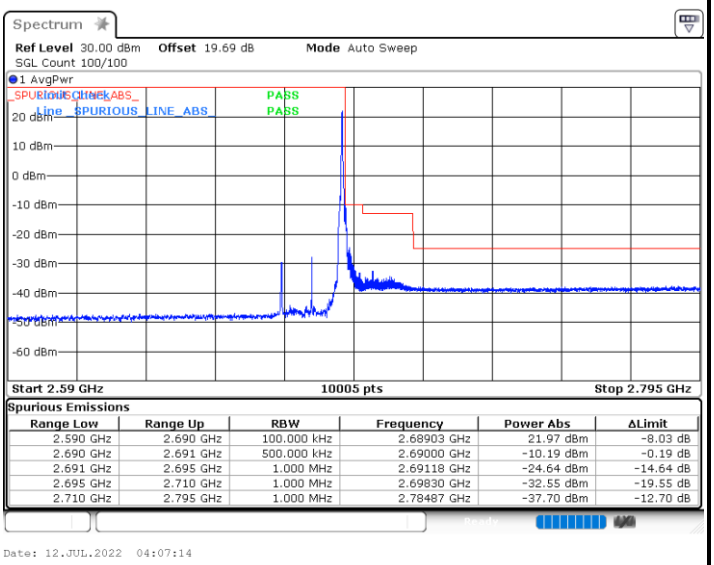
| 90MHz CP | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

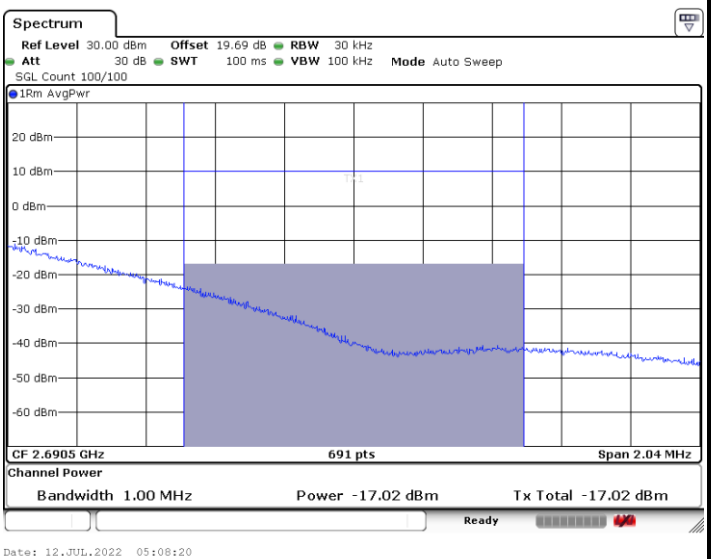
| 100MHz CP | |
|---|---|
| QPSK | 16QAM |
|  |  |
| 64QAM | 256QAM |
|  |  |

# Conducted Band Edge

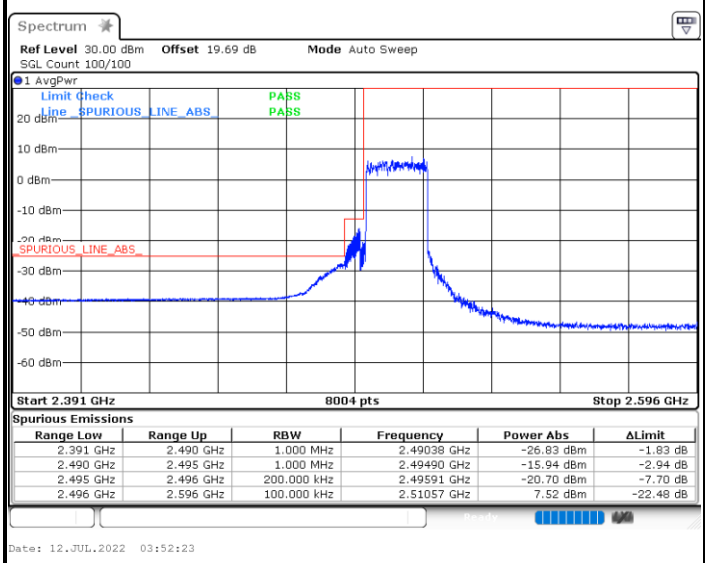
| FR1 n41 / 20MHz / CP OFDM / QPSK | |
|---|---|
| **Lowest Band Edge / 1RB0** | **Highest Band Edge / 1RBmax** |



| Lowest Band Edge / Full RB | Highest Band Edge / Full RB |
|---|---|




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.391 GHz | 2.490 GHz | 1.000 MHz | 2.49038 GHz | -26.83 dBm | -1.83 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49490 GHz | -15.94 dBm | -2.94 dB |
| 2.495 GHz | 2.496 GHz | 200.000 kHz | 2.49591 GHz | -20.70 dBm | -7.70 dB |
| 2.496 GHz | 2.596 GHz | 100.000 kHz | 2.51057 GHz | 7.52 dBm | -22.48 dB |

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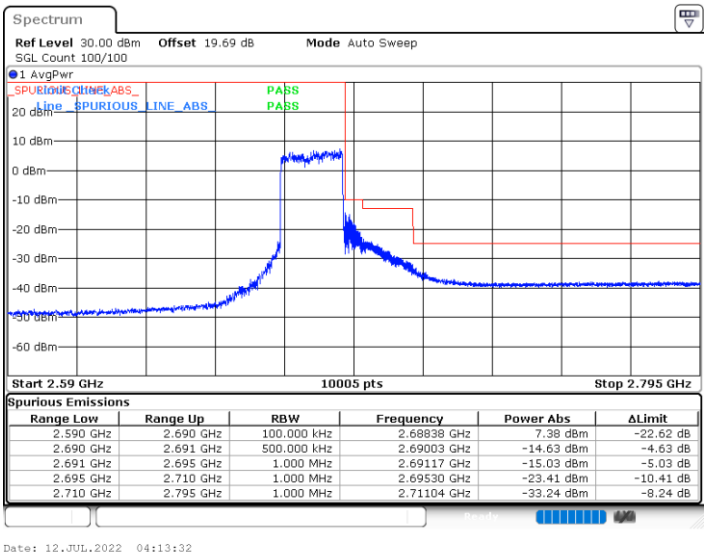


Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.690 GHz | 100.000 kHz | 2.68838 GHz | 7.38 dBm | -22.62 dB |
| 2.690 GHz | 2.691 GHz | 500.000 kHz | 2.69003 GHz | -14.63 dBm | -4.63 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69117 GHz | -15.03 dBm | -5.03 dB |
| 2.695 GHz | 2.710 GHz | 1.000 MHz | 2.69530 GHz | -23.41 dBm | -10.41 dB |
| 2.710 GHz | 2.795 GHz | 1.000 MHz | 2.71104 GHz | -33.24 dBm | -8.24 dB |

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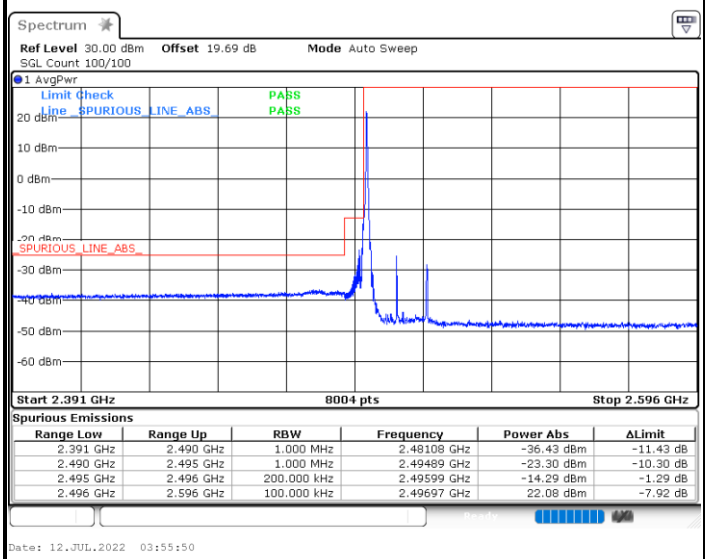
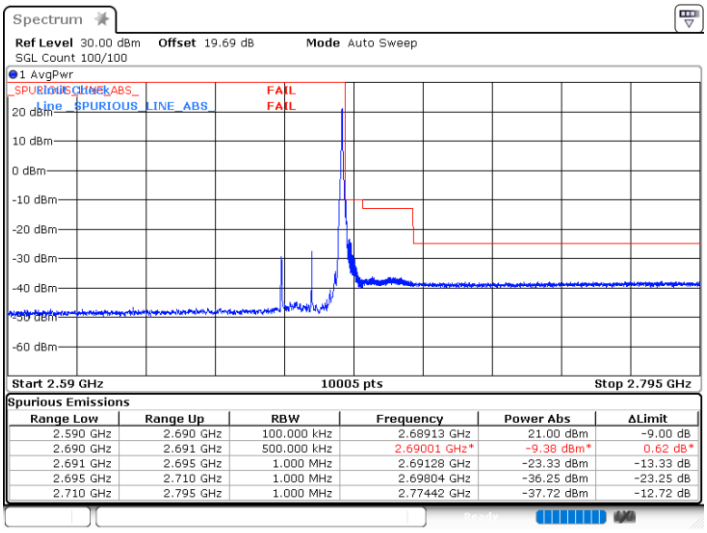
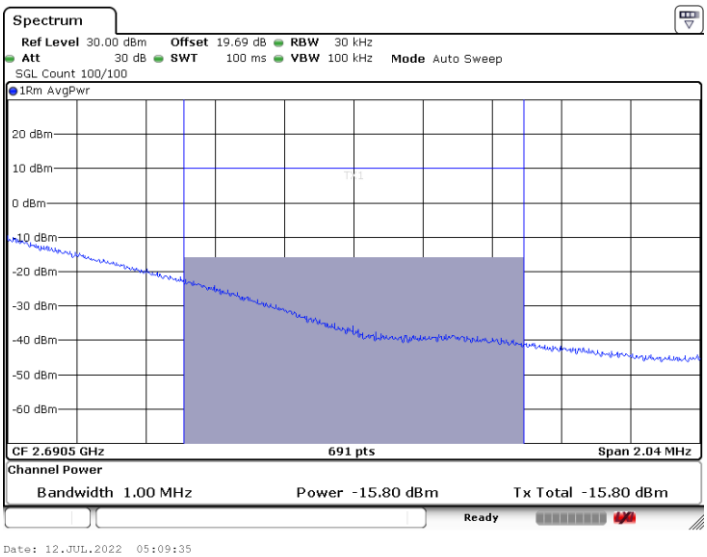
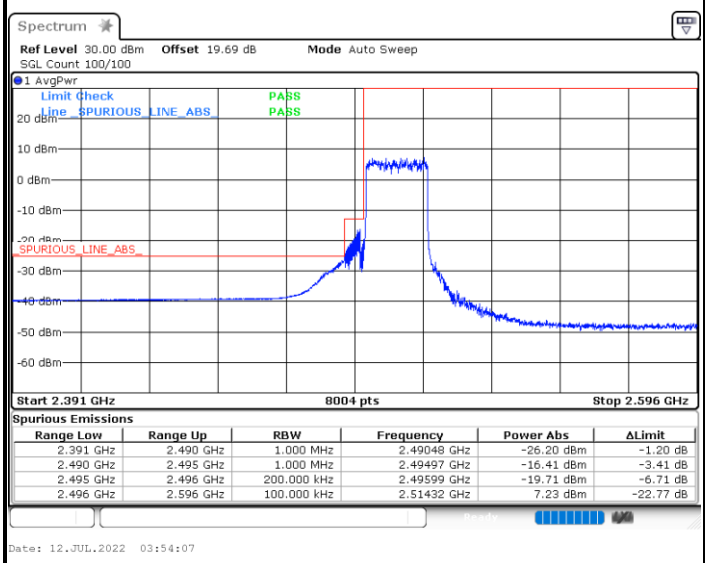
| FR1 n41 / 20MHz / CP OFDM / PI/2 16QAM | |
|---|---|
| **Lowest Band Edge / 1RB0** | **Highest Band Edge / 1RBmax** |

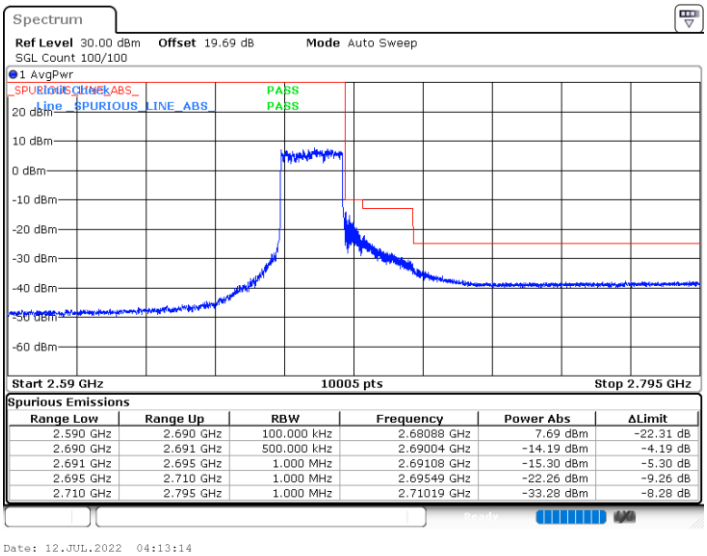


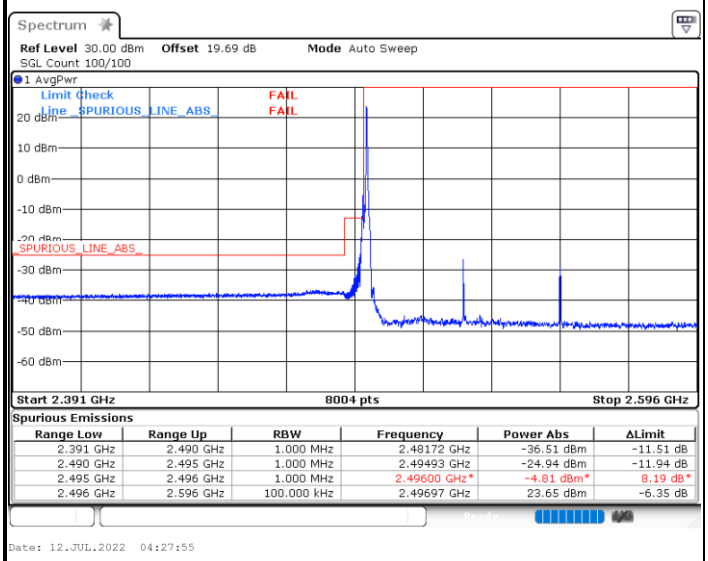



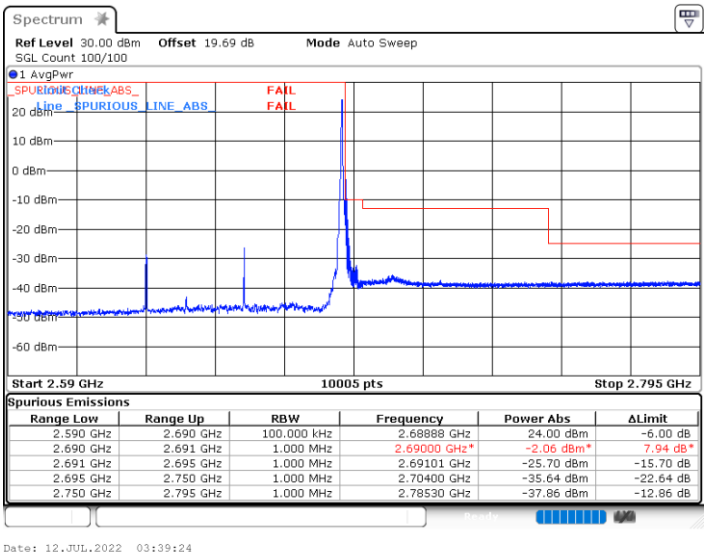
| Lowest Band Edge / Full RB | Highest Band Edge / Full RB |
|---|---|

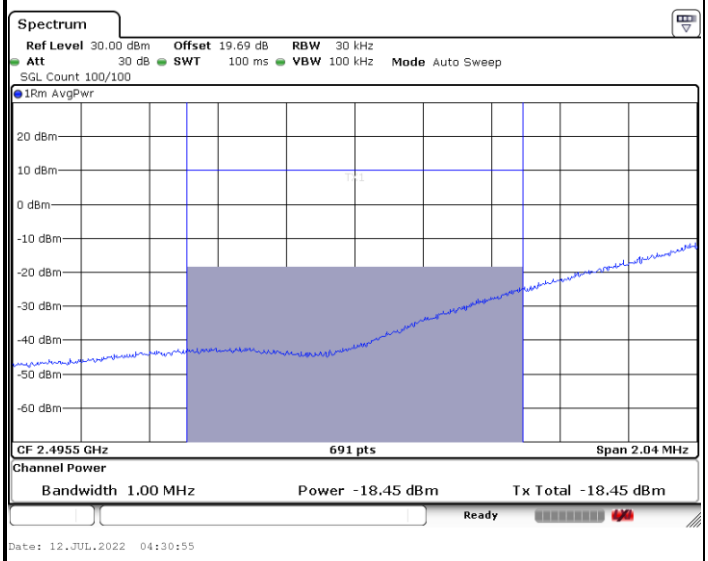


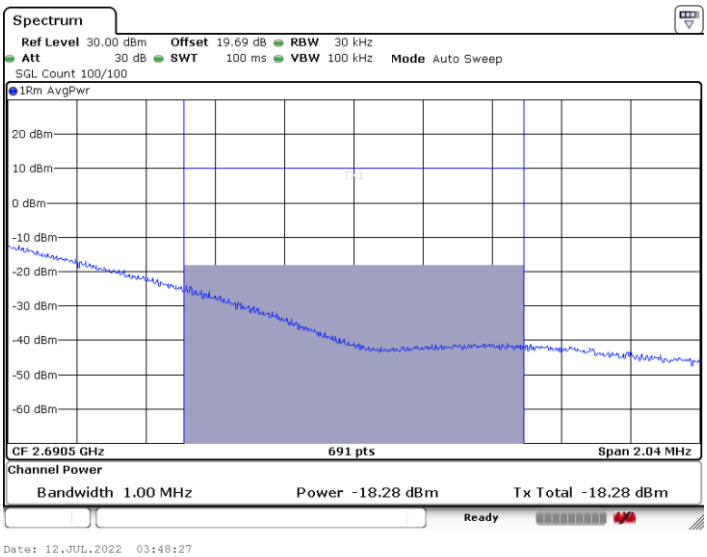



| FR1 n41 / 60MHz / CP OFDM / PI/2 QPSK | |
|---|---|
| **Lowest Band Edge / 1RB0** | **Highest Band Edge / 1RBmax** |

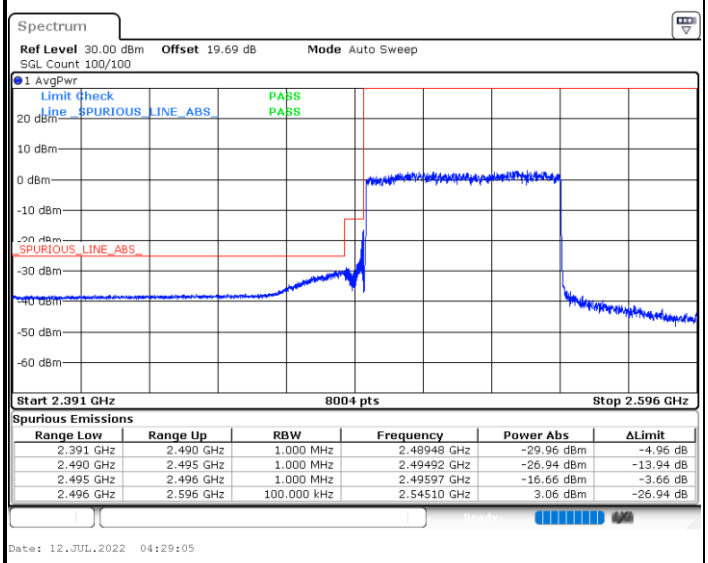


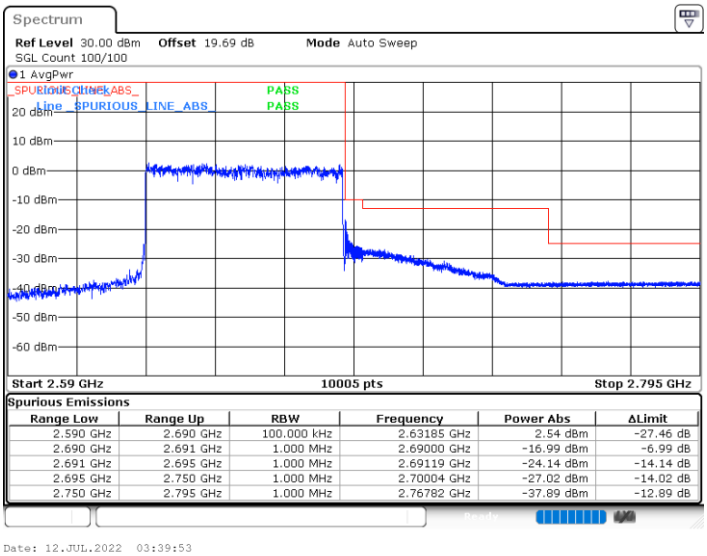



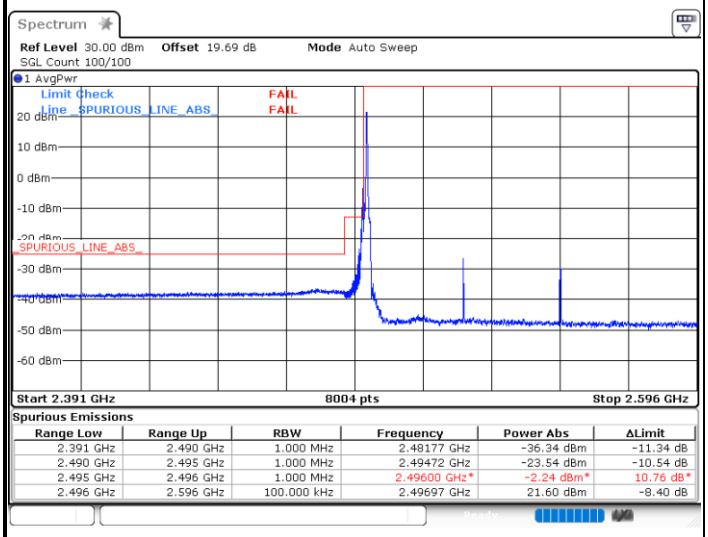



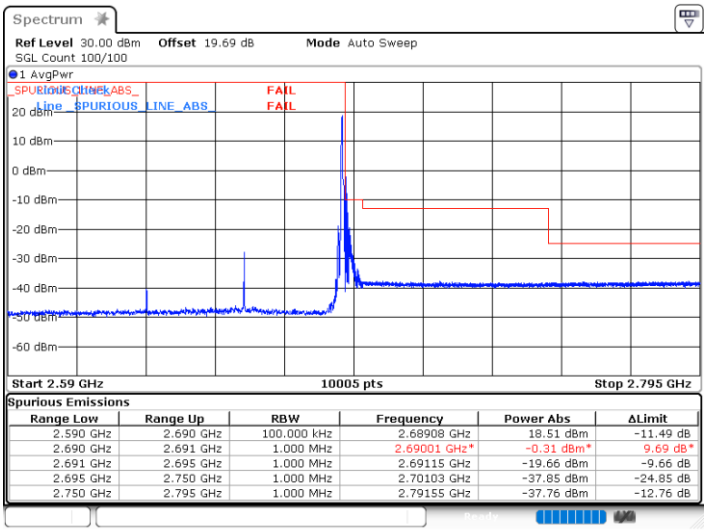
| Lowest Band Edge / Full RB | Highest Band Edge / Full RB |
|---|---|

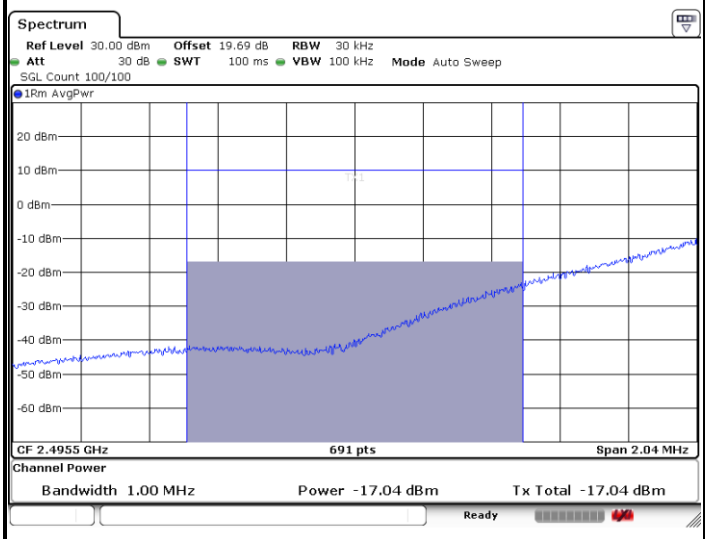


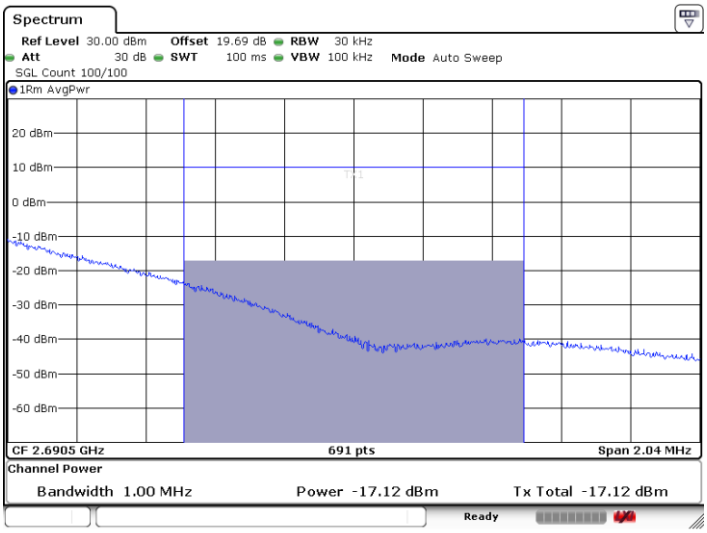



| FR1 n41 / 60MHz / CP OFDM / 16QAM | |
|---|---|
| **Lowest Band Edge / 1RB0** | **Highest Band Edge / 1RBmax** |

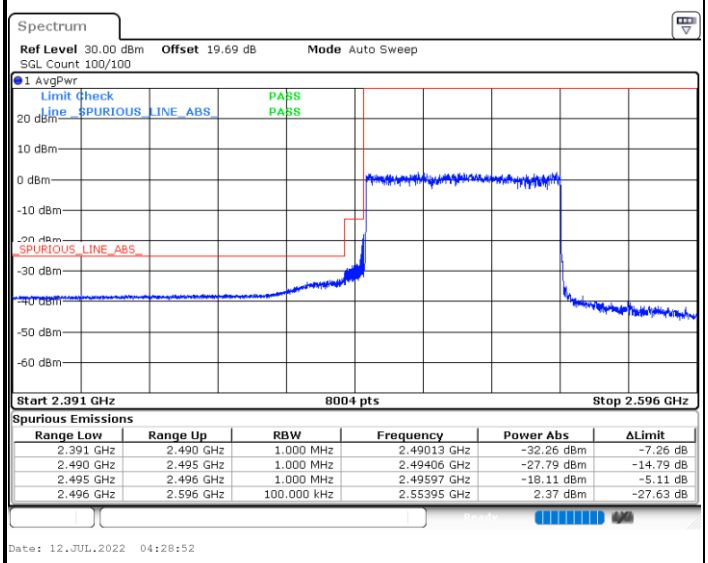


| Lowest Band Edge / Full RB | Highest Band Edge / Full RB |
|---|---|




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.391 GHz | 2.490 GHz | 1.000 MHz | 2.49013 GHz | -32.26 dBm | -7.26 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49406 GHz | -27.79 dBm | -14.79 dB |
| 2.495 GHz | 2.496 GHz | 1.000 MHz | 2.49597 GHz | -18.11 dBm | -5.11 dB |
| 2.496 GHz | 2.596 GHz | 100.000 kHz | 2.55395 GHz | 2.37 dBm | -27.63 dB |

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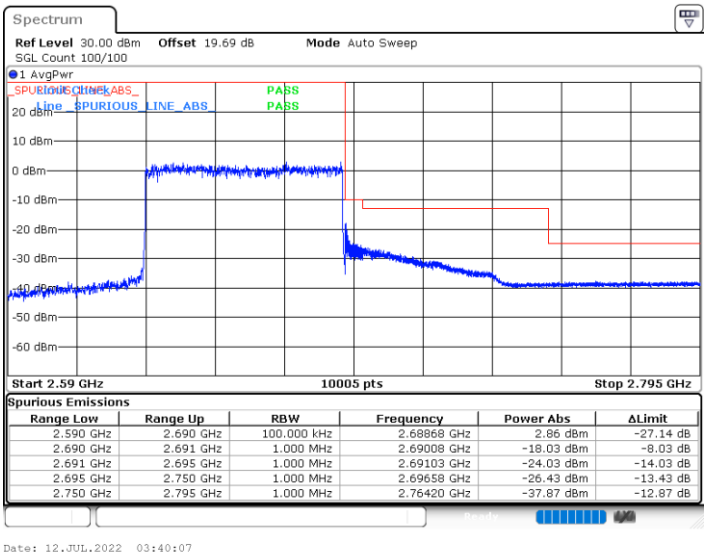


Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.690 GHz | 100.000 kHz | 2.68868 GHz | 2.86 dBm | -27.14 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.69008 GHz | -18.03 dBm | -8.03 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69103 GHz | -24.03 dBm | -14.03 dB |
| 2.695 GHz | 2.750 GHz | 1.000 MHz | 2.69658 GHz | -26.43 dBm | -13.43 dB |
| 2.750 GHz | 2.795 GHz | 1.000 MHz | 2.76420 GHz | -37.87 dBm | -12.87 dB |

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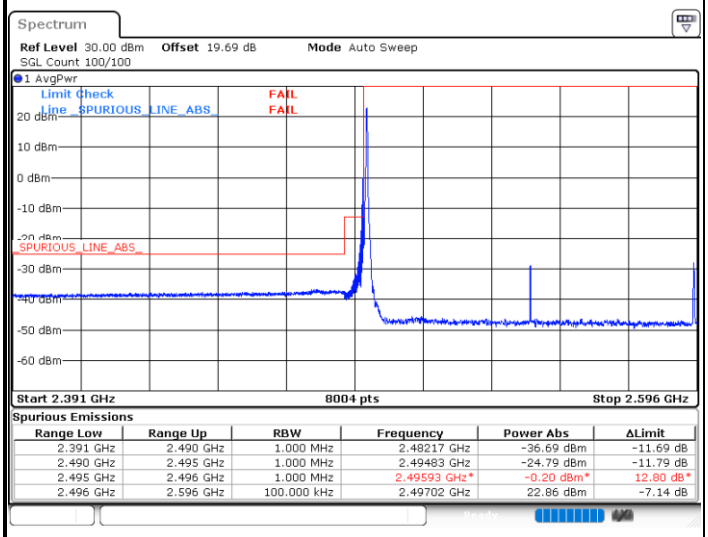
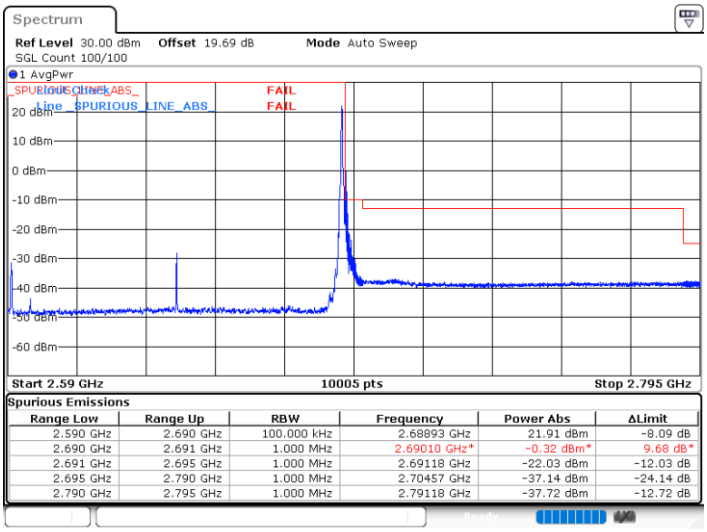
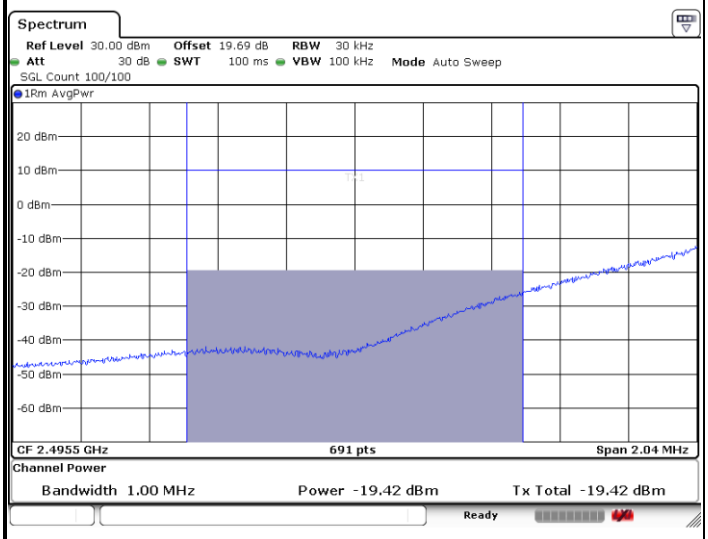
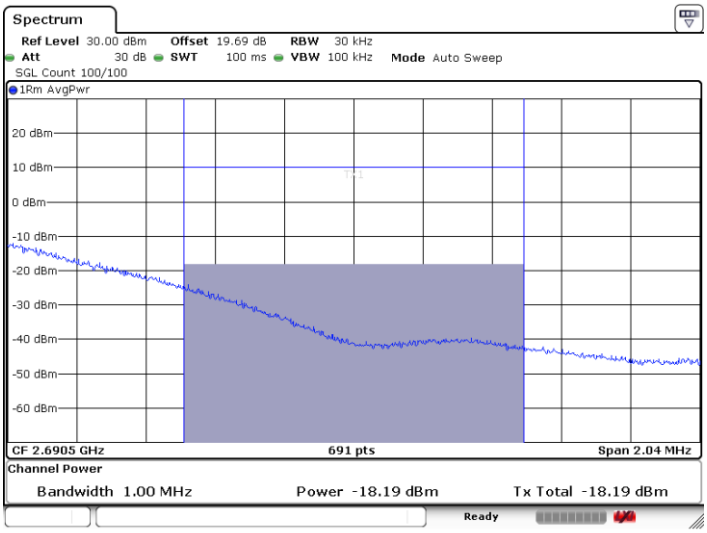
| FR1 n41 / 100MHz / CP OFDM / PI/2 QPSK | |
|---|---|
| **Lowest Band Edge / 1RB0** | **Highest Band Edge / 1RBmax** |

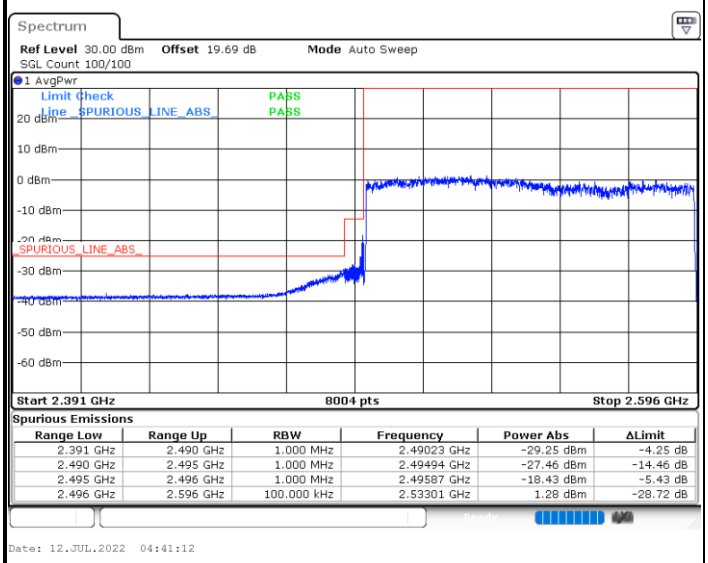


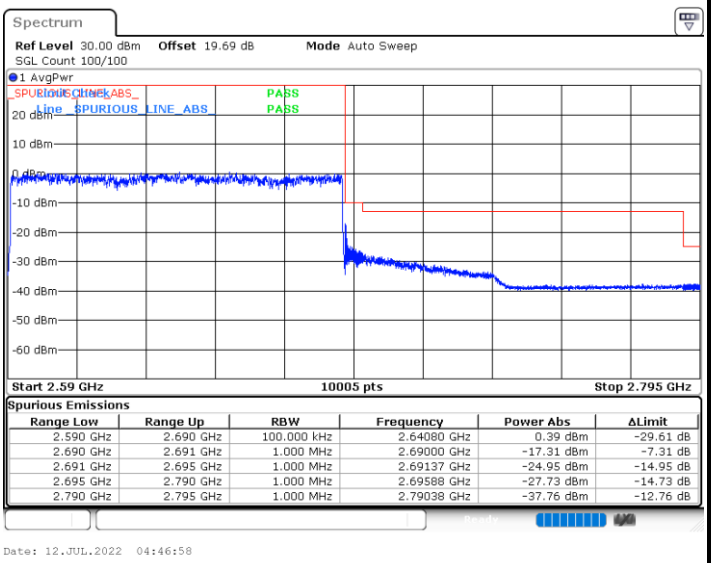



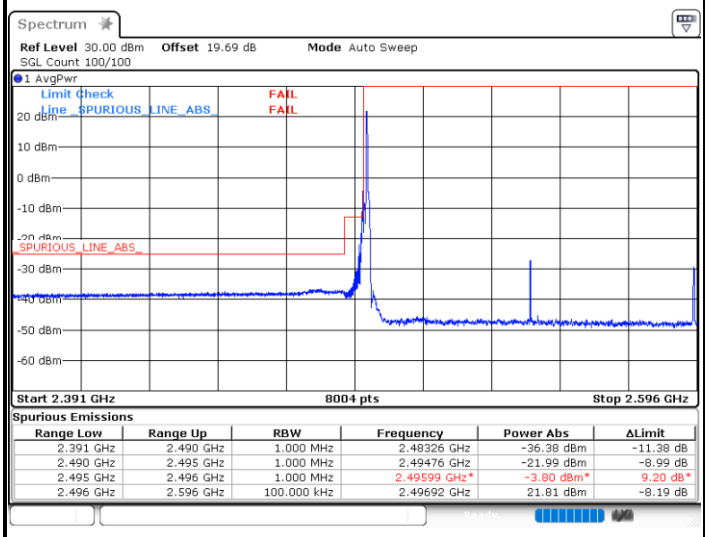



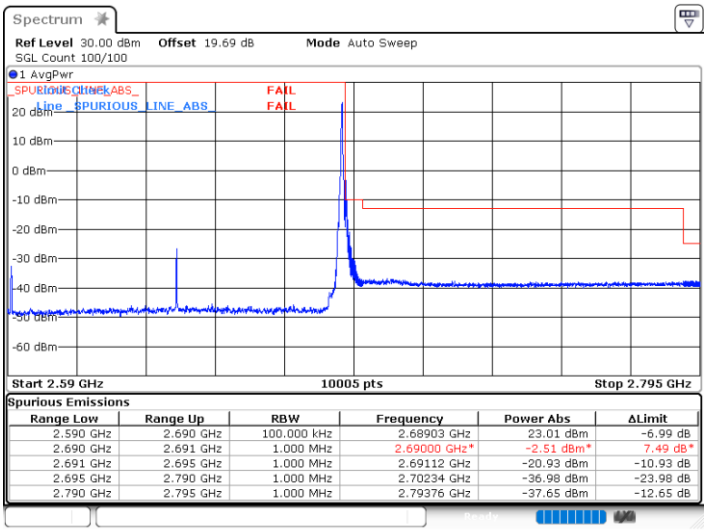
| Lowest Band Edge / Full RB | Highest Band Edge / Full RB |
|---|---|

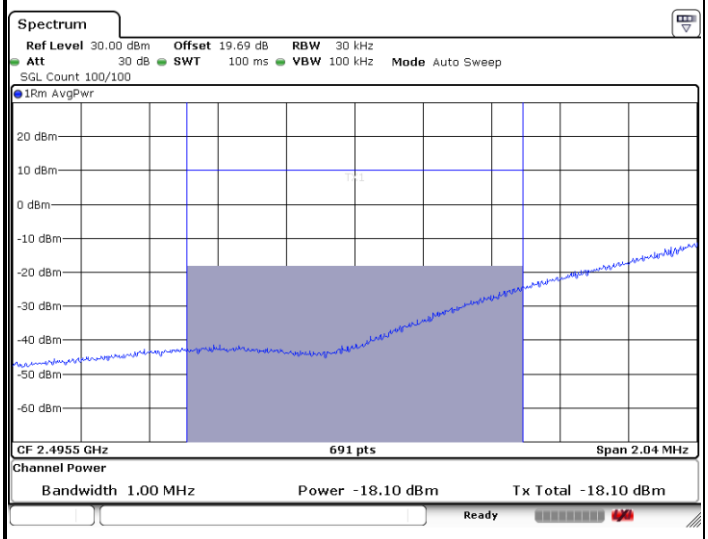


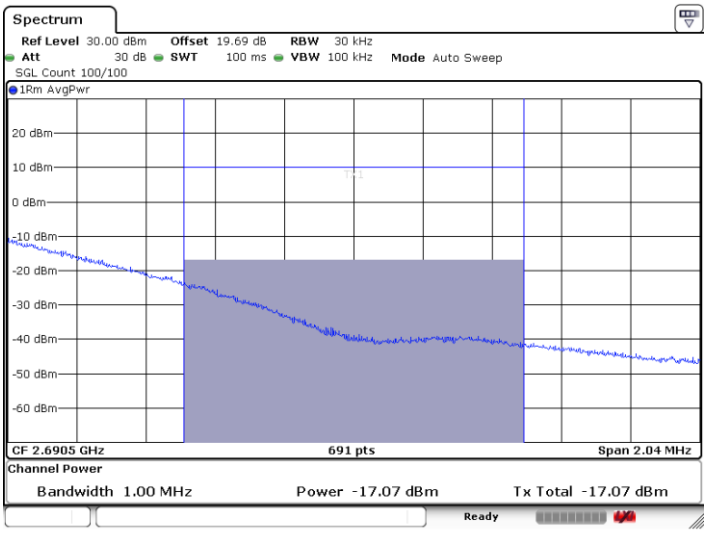



| FR1 n41 / 100MHz / CP OFDM / 16QAM | |
|---|---|
| **Lowest Band Edge / 1RB0** | **Highest Band Edge / 1RBmax** |

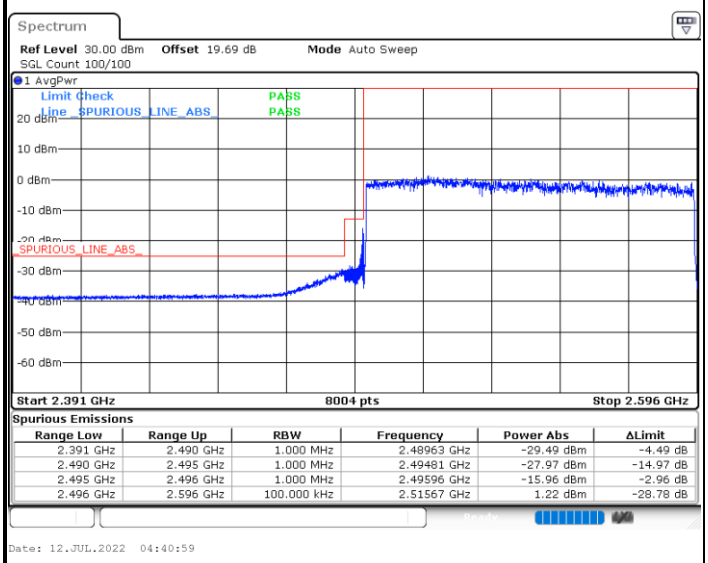


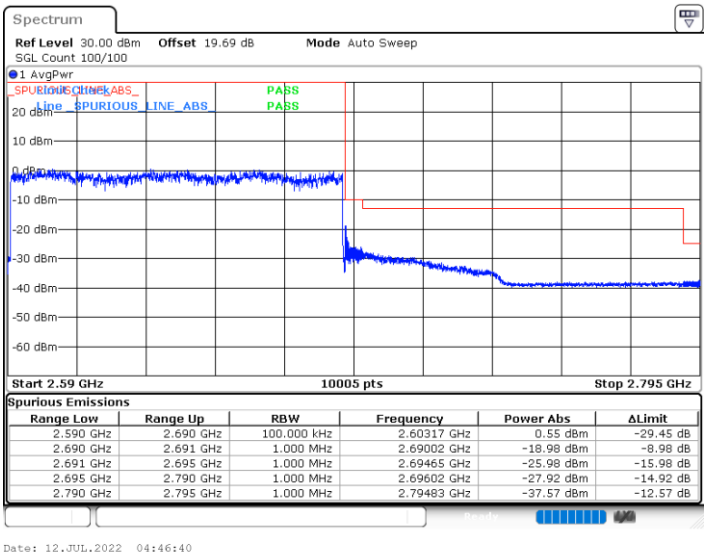
| Lowest Band Edge / Full RB | Highest Band Edge / Full RB |
|---|---|




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.391 GHz | 2.490 GHz | 1.000 MHz | 2.48963 GHz | -29.49 dBm | -4.49 dB |
| 2.490 GHz | 2.495 GHz | 1.000 MHz | 2.49481 GHz | -27.97 dBm | -14.97 dB |
| 2.495 GHz | 2.496 GHz | 1.000 MHz | 2.49596 GHz | -15.96 dBm | -2.96 dB |
| 2.496 GHz | 2.596 GHz | 100.000 kHz | 2.51567 GHz | 1.22 dBm | -28.78 dB |

Date: 12.JUL.2022 04:40:59




Spurious Emissions

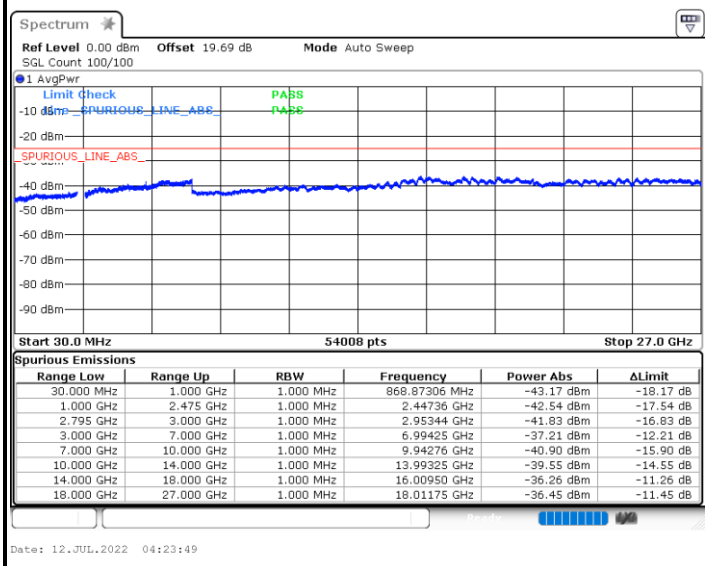
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.690 GHz | 100.000 kHz | 2.60317 GHz | 0.55 dBm | -29.45 dB |
| 2.690 GHz | 2.691 GHz | 1.000 MHz | 2.69002 GHz | -18.98 dBm | -8.98 dB |
| 2.691 GHz | 2.695 GHz | 1.000 MHz | 2.69465 GHz | -25.98 dBm | -15.98 dB |
| 2.695 GHz | 2.790 GHz | 1.000 MHz | 2.69602 GHz | -27.92 dBm | -14.92 dB |
| 2.790 GHz | 2.795 GHz | 1.000 MHz | 2.79483 GHz | -37.57 dBm | -12.57 dB |

Date: 12.JUL.2022 04:46:40

# Conducted Spurious Emission

## FR1 n41 / 20MHz / CP OFDM / QPSK

### Lowest Channel / 1RB1

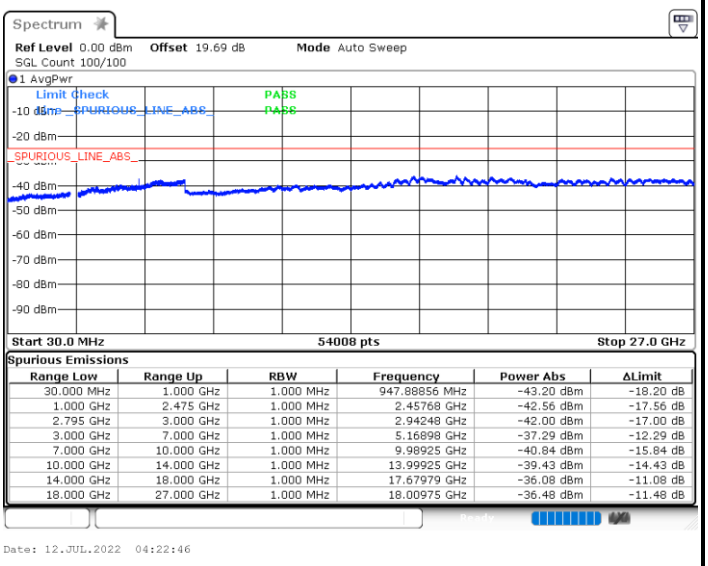



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 868.87306 MHz | -43.17 dBm | -18.17 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.44736 GHz | -42.54 dBm | -17.54 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.95344 GHz | -41.83 dBm | -16.83 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99425 GHz | -37.21 dBm | -12.21 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.94276 GHz | -40.90 dBm | -15.90 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99325 GHz | -39.55 dBm | -14.55 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.00950 GHz | -36.26 dBm | -11.26 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.01175 GHz | -36.45 dBm | -11.45 dB |

Date: 12.JUL.2022 04:23:49

### Middle Channel / 1RB1

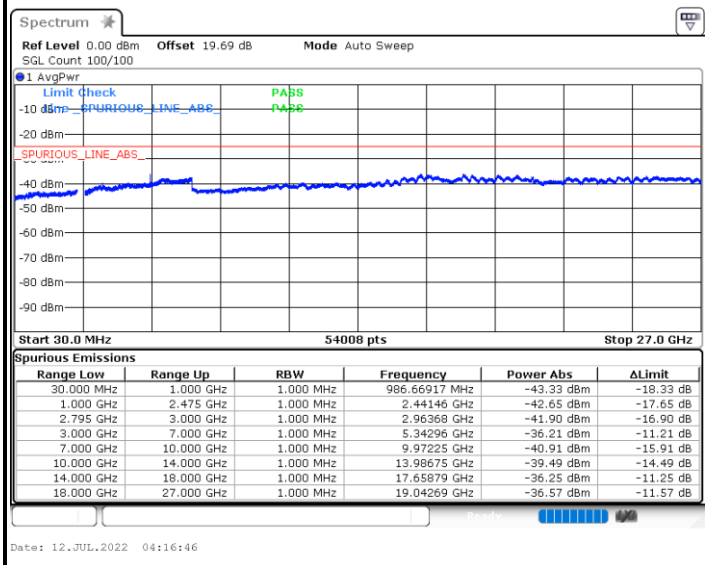



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 947.88856 MHz | -43.20 dBm | -18.20 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45768 GHz | -42.56 dBm | -17.56 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.94248 GHz | -42.00 dBm | -17.00 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.16898 GHz | -37.29 dBm | -12.29 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.98925 GHz | -40.84 dBm | -15.84 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99925 GHz | -39.43 dBm | -14.43 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.67979 GHz | -36.08 dBm | -11.08 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.00975 GHz | -36.48 dBm | -11.48 dB |

Date: 12.JUL.2022 04:22:46

### Highest Channel / 1RB1



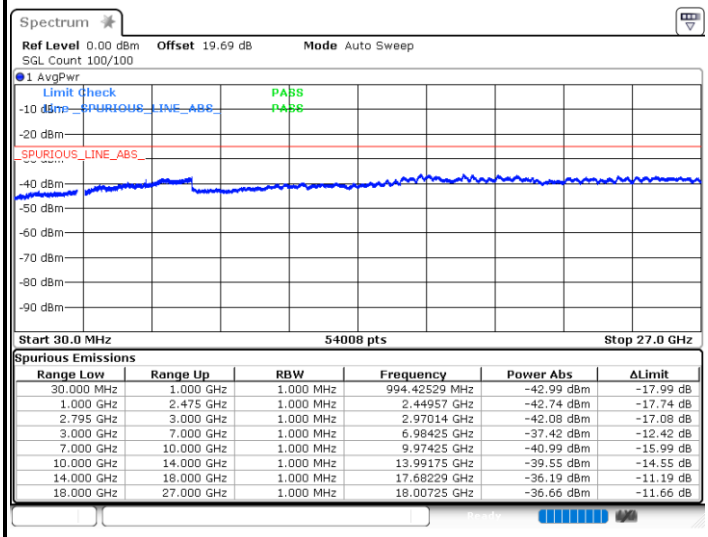

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 986.66917 MHz | -43.33 dBm | -18.33 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.44146 GHz | -42.65 dBm | -17.65 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.96368 GHz | -41.90 dBm | -16.90 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.34296 GHz | -36.21 dBm | -11.21 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.97225 GHz | -40.91 dBm | -15.91 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.98675 GHz | -39.49 dBm | -14.49 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.65879 GHz | -36.25 dBm | -11.25 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.04269 GHz | -36.57 dBm | -11.57 dB |

Date: 12.JUL.2022 04:16:46

## FR1 n41 / 20MHz / CP OFDM /16QAM

### Lowest Channel / 1RB1

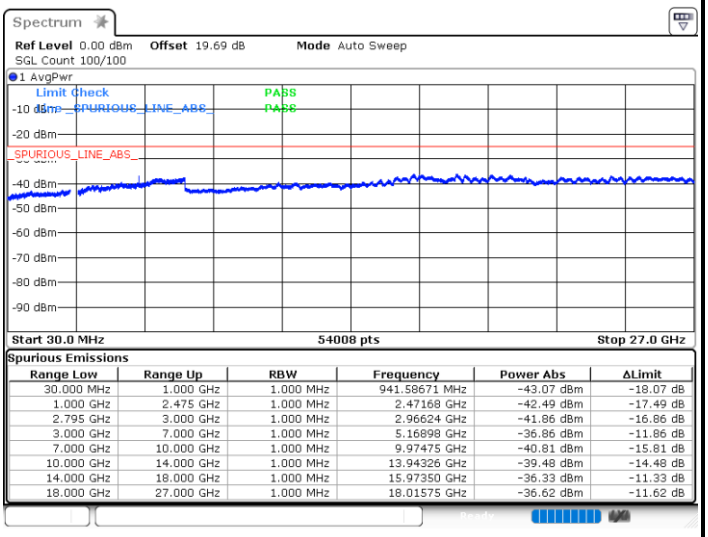



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 994.42529 MHz | -42.99 dBm | -17.99 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.44957 GHz | -42.74 dBm | -17.74 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.97014 GHz | -42.08 dBm | -17.08 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98425 GHz | -37.42 dBm | -12.42 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.97425 GHz | -40.99 dBm | -15.99 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99175 GHz | -39.55 dBm | -14.55 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.68229 GHz | -36.19 dBm | -11.19 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.00725 GHz | -36.66 dBm | -11.66 dB |

Date: 12.JUL.2022 04:24:49

### Middle Channel / 1RB1

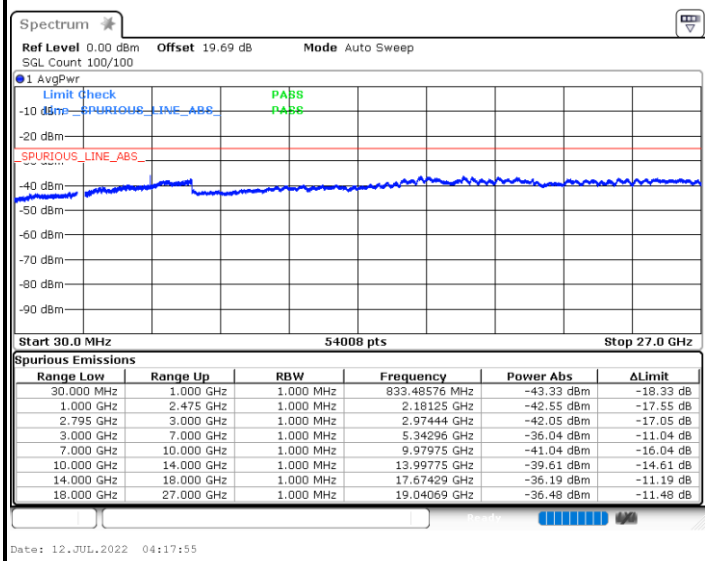



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 941.58671 MHz | -43.07 dBm | -18.07 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.47168 GHz | -42.49 dBm | -17.49 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.96624 GHz | -41.86 dBm | -16.86 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.16898 GHz | -36.86 dBm | -11.86 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.97475 GHz | -40.81 dBm | -15.81 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.94326 GHz | -39.48 dBm | -14.48 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.97350 GHz | -36.33 dBm | -11.33 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.01575 GHz | -36.62 dBm | -11.62 dB |

Date: 12.JUL.2022 04:21:40

### Highest Channel / 1RB1



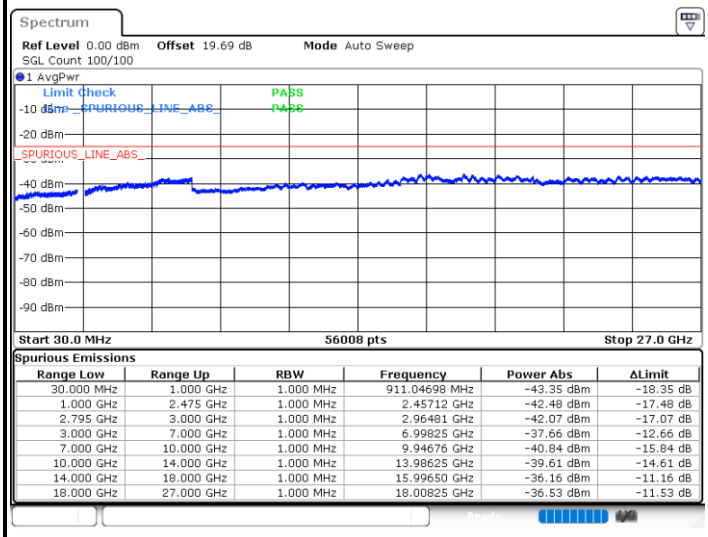

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 833.48576 MHz | -43.33 dBm | -18.33 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.18125 GHz | -42.55 dBm | -17.55 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.97444 GHz | -42.05 dBm | -17.05 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.34296 GHz | -36.04 dBm | -11.04 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.97975 GHz | -41.04 dBm | -16.04 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99775 GHz | -39.61 dBm | -14.61 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.67429 GHz | -36.19 dBm | -11.19 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.04069 GHz | -36.48 dBm | -11.48 dB |

Date: 12.JUL.2022 04:17:55

## FR1 n41 /60MHz / CP OFDM / QPSK

### Lowest Channel / 1RB1

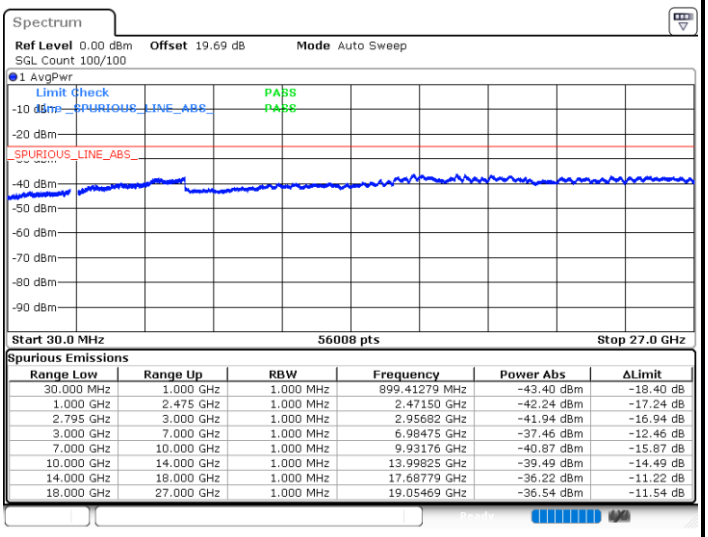



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 911.04698 MHz | -43.35 dBm | -18.35 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45712 GHz | -42.48 dBm | -17.48 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.96481 GHz | -42.07 dBm | -17.07 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99825 GHz | -37.66 dBm | -12.66 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.94676 GHz | -40.84 dBm | -15.84 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.98625 GHz | -39.61 dBm | -14.61 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.99650 GHz | -36.16 dBm | -11.16 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.00825 GHz | -36.53 dBm | -11.53 dB |

Date: 12.JUL.2022 04:32:50

### Middle Channel / 1RB1

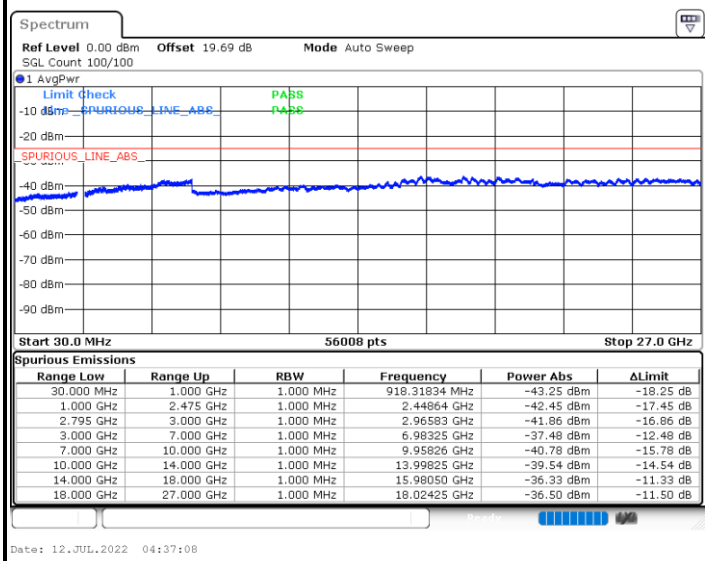



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 899.41279 MHz | -43.40 dBm | -18.40 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.47150 GHz | -42.24 dBm | -17.24 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.95682 GHz | -41.94 dBm | -16.94 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98475 GHz | -37.46 dBm | -12.46 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.93176 GHz | -40.87 dBm | -15.87 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99825 GHz | -39.49 dBm | -14.49 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.68779 GHz | -36.22 dBm | -11.22 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.05469 GHz | -36.54 dBm | -11.54 dB |

Date: 12.JUL.2022 04:35:20

### Highest Channel / 1RB1



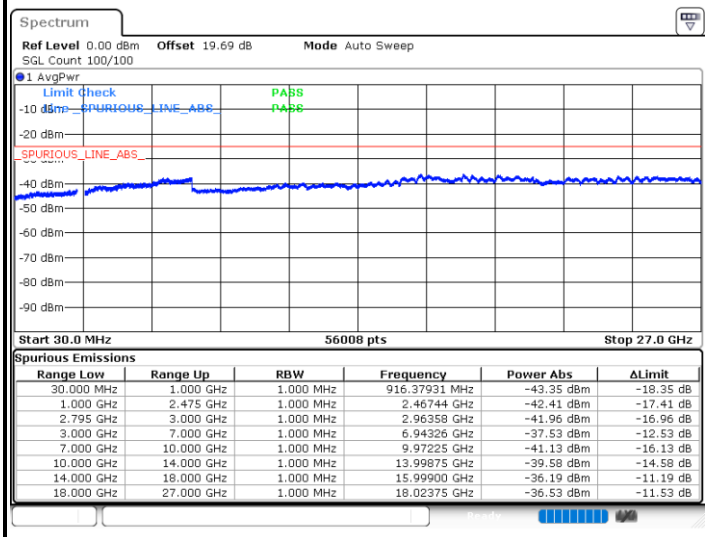

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 918.31834 MHz | -43.25 dBm | -18.25 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.44864 GHz | -42.45 dBm | -17.45 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.96583 GHz | -41.86 dBm | -16.86 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98325 GHz | -37.48 dBm | -12.48 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.95826 GHz | -40.78 dBm | -15.78 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99825 GHz | -39.54 dBm | -14.54 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.98050 GHz | -36.33 dBm | -11.33 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.02425 GHz | -36.50 dBm | -11.50 dB |

Date: 12.JUL.2022 04:37:08

## FR1 n41 /60MHz / CP OFDM /16QAM

### Lowest Channel / 1RB1

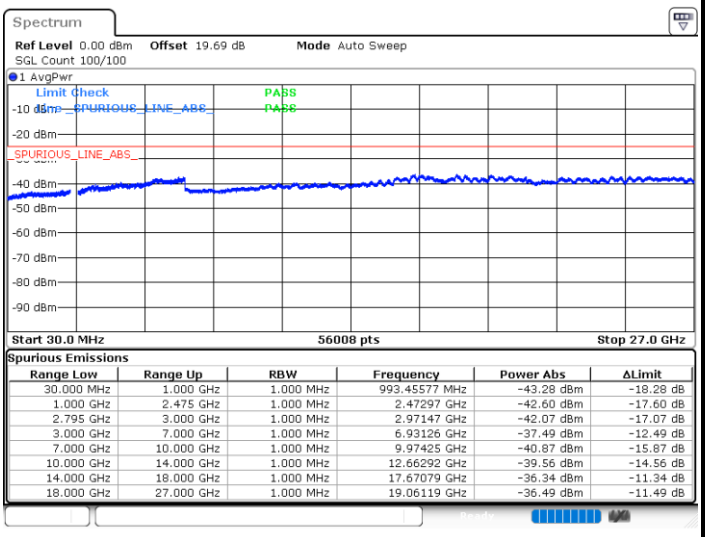



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 916.37931 MHz | -43.35 dBm | -18.35 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.46744 GHz | -42.41 dBm | -17.41 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.96358 GHz | -41.96 dBm | -16.96 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.94326 GHz | -37.53 dBm | -12.53 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.97225 GHz | -41.13 dBm | -16.13 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99875 GHz | -39.58 dBm | -14.58 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.99900 GHz | -36.19 dBm | -11.19 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.02375 GHz | -36.53 dBm | -11.53 dB |

Date: 12.JUL.2022 04:33:41

### Middle Channel / 1RB1

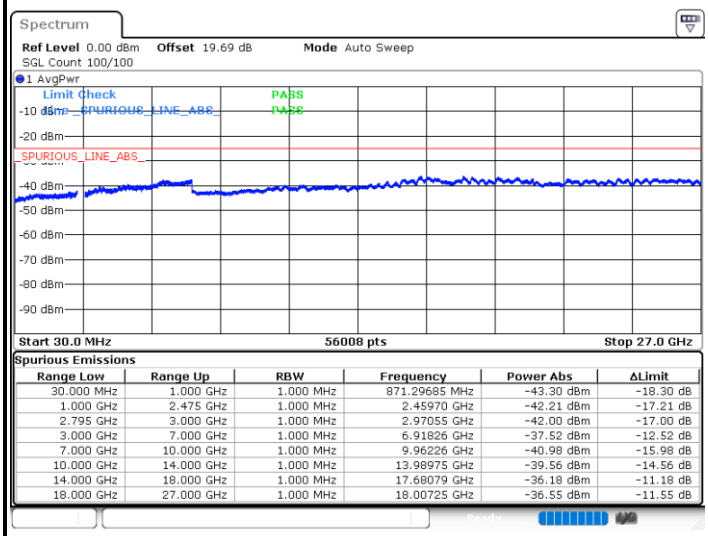



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 993.45577 MHz | -43.28 dBm | -18.28 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.47297 GHz | -42.60 dBm | -17.60 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.97147 GHz | -42.07 dBm | -17.07 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.93126 GHz | -37.49 dBm | -12.49 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.97425 GHz | -40.87 dBm | -15.87 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.66292 GHz | -39.56 dBm | -14.56 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.67079 GHz | -36.34 dBm | -11.34 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.06119 GHz | -36.49 dBm | -11.49 dB |

Date: 12.JUL.2022 04:34:30

### Highest Channel / 1RB1

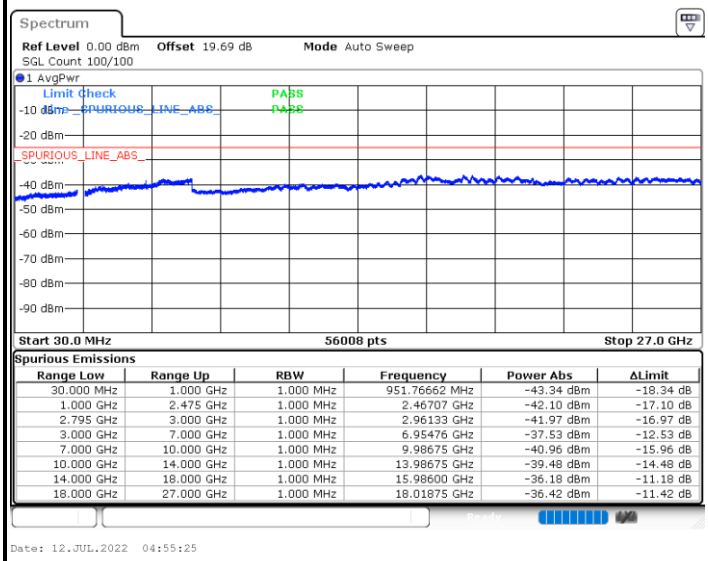



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 871.29685 MHz | -43.30 dBm | -18.30 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.45970 GHz | -42.21 dBm | -17.21 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.97055 GHz | -42.00 dBm | -17.00 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.91826 GHz | -37.52 dBm | -12.52 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.96226 GHz | -40.98 dBm | -15.98 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.98975 GHz | -39.56 dBm | -14.56 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.68079 GHz | -36.18 dBm | -11.18 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.00725 GHz | -36.55 dBm | -11.55 dB |

Date: 12.JUL.2022 04:36:19

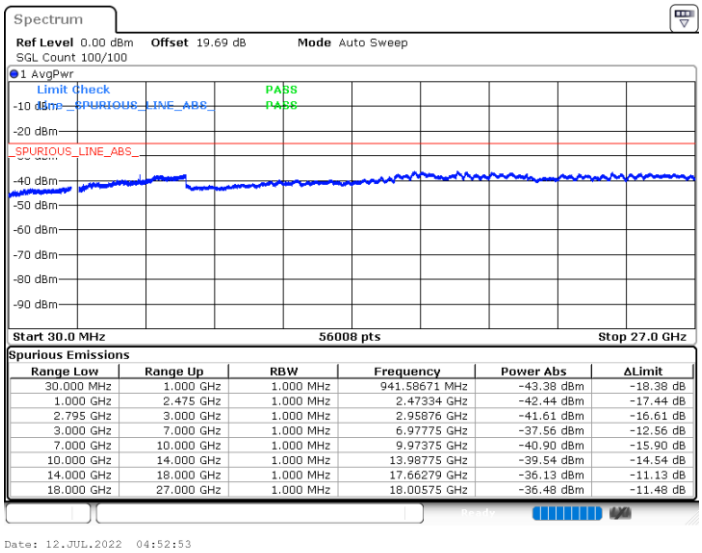
| FR1 n41 /100MHz / CP OFDM / QPSK | |
|---|---|
| **Lowest Channel / 1RB1** | **Middle Channel / 1RB1** |




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 951.76662 MHz | -43.34 dBm | -18.34 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.46707 GHz | -42.10 dBm | -17.10 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.96133 GHz | -41.97 dBm | -16.97 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.95476 GHz | -37.53 dBm | -12.53 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.98675 GHz | -40.96 dBm | -15.96 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.98675 GHz | -39.48 dBm | -14.48 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.98600 GHz | -36.18 dBm | -11.18 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.01875 GHz | -36.42 dBm | -11.42 dB |

Date: 12.JUL.2022 04:55:25

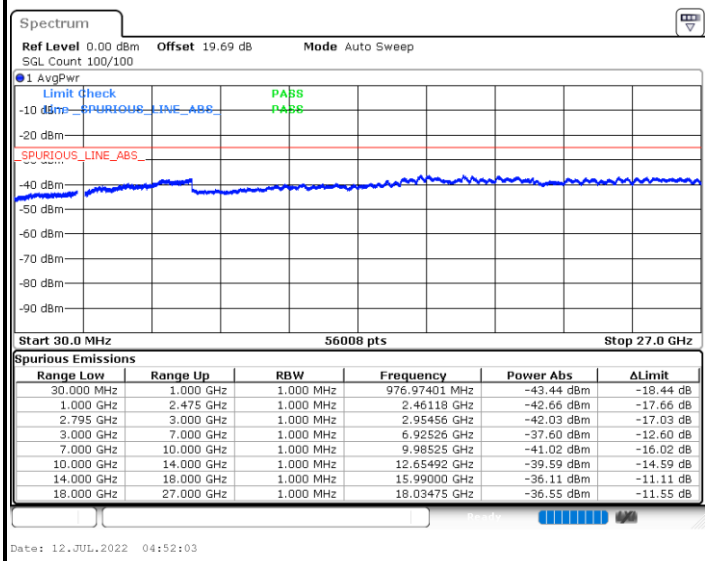



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 941.58671 MHz | -43.38 dBm | -18.38 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.47334 GHz | -42.44 dBm | -17.44 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.95876 GHz | -41.61 dBm | -16.61 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.97775 GHz | -37.56 dBm | -12.56 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.97375 GHz | -40.90 dBm | -15.90 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.98775 GHz | -39.54 dBm | -14.54 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.66279 GHz | -36.13 dBm | -11.13 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.00575 GHz | -36.48 dBm | -11.48 dB |

Date: 12.JUL.2022 04:52:53

| **Highest Channel / 1RB1** | |
|---|---|




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 976.97401 MHz | -43.44 dBm | -18.44 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.46118 GHz | -42.66 dBm | -17.66 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.95456 GHz | -42.03 dBm | -17.03 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.92526 GHz | -37.60 dBm | -12.60 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.98525 GHz | -41.02 dBm | -16.02 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.65492 GHz | -39.59 dBm | -14.59 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.99000 GHz | -36.11 dBm | -11.11 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.03475 GHz | -36.55 dBm | -11.55 dB |

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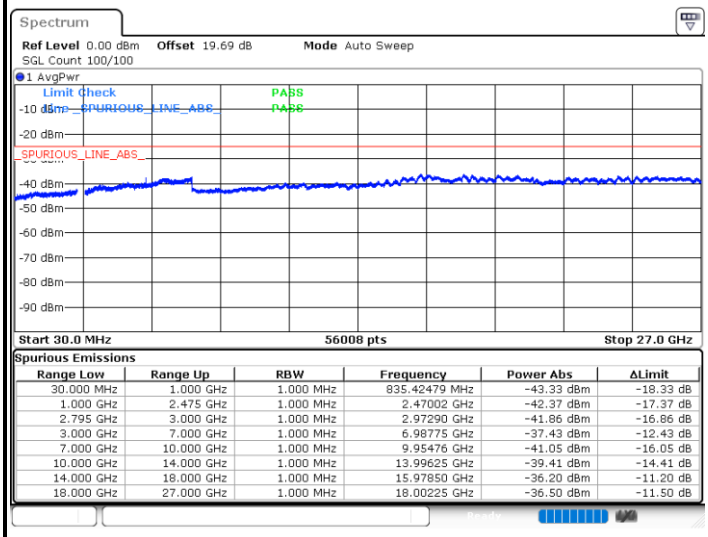
## FR1 n41 /100MHz / CP OFDM /16QAM

### Lowest Channel / 1RB1




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 835.42479 MHz | -43.33 dBm | -18.33 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.47002 GHz | -42.37 dBm | -17.37 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.97290 GHz | -41.86 dBm | -16.86 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98775 GHz | -37.43 dBm | -12.43 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.95476 GHz | -41.05 dBm | -16.05 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99625 GHz | -39.41 dBm | -14.41 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.97850 GHz | -36.20 dBm | -11.20 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.00225 GHz | -36.50 dBm | -11.50 dB |

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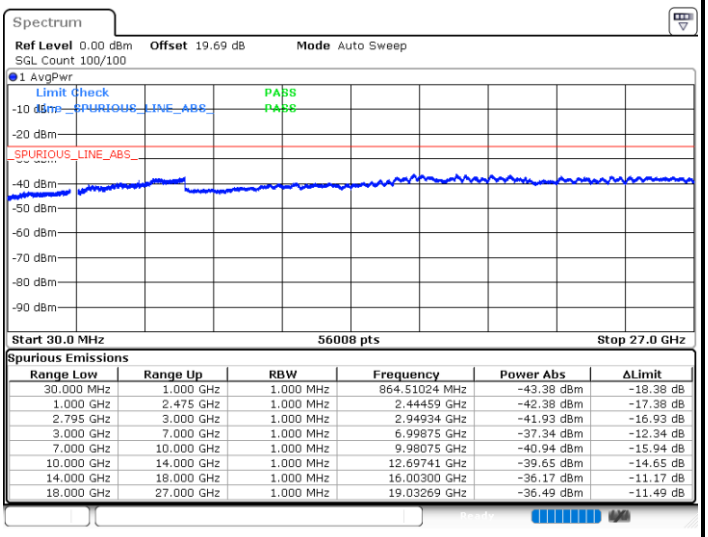
### Middle Channel / 1RB1

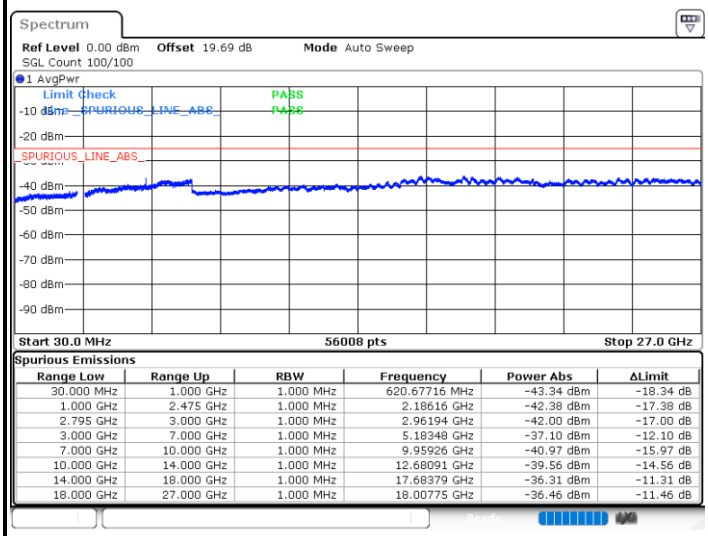



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 864.51024 MHz | -43.38 dBm | -18.38 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.44459 GHz | -42.38 dBm | -17.38 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.94934 GHz | -41.93 dBm | -16.93 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99875 GHz | -37.34 dBm | -12.34 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.98075 GHz | -40.94 dBm | -15.94 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.69741 GHz | -39.65 dBm | -14.65 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.00300 GHz | -36.17 dBm | -11.17 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.03269 GHz | -36.49 dBm | -11.49 dB |

Date: 12.JUL.2022 04:53:45

### Highest Channel / 1RB1




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 620.67716 MHz | -43.34 dBm | -18.34 dB |
| 1.000 GHz | 2.475 GHz | 1.000 MHz | 2.18616 GHz | -42.38 dBm | -17.38 dB |
| 2.795 GHz | 3.000 GHz | 1.000 MHz | 2.96194 GHz | -42.00 dBm | -17.00 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.18348 GHz | -37.10 dBm | -12.10 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.95926 GHz | -40.97 dBm | -15.97 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.68091 GHz | -39.56 dBm | -14.56 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.68379 GHz | -36.31 dBm | -11.31 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.00775 GHz | -36.46 dBm | -11.46 dB |

Date: 12.JUL.2022 04:51:11

# Frequency Stability

| Test Conditions | | FR1 n41 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 20MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0025 | PASS |
| 40 | Normal Voltage | 0.0046 | |
| 30 | Normal Voltage | 0.0015 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0001 | |
| 0 | Normal Voltage | 0.0021 | |
| -10 | Normal Voltage | 0.0036 | |
| -20 | Normal Voltage | 0.0012 | |
| -30 | Normal Voltage | 0.0011 | |
| 20 | Maximum Voltage | 0.0035 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0031 | |

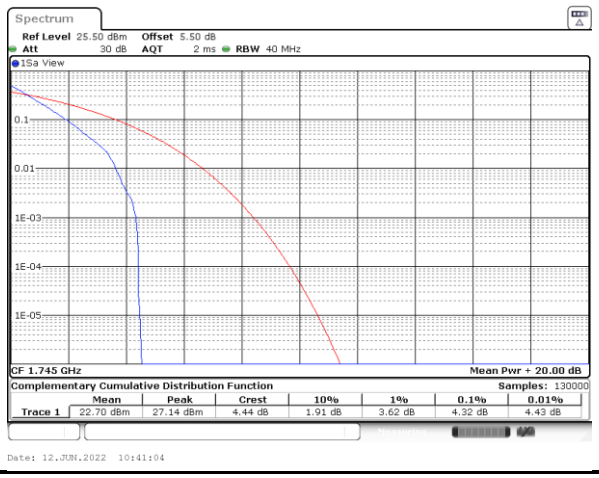
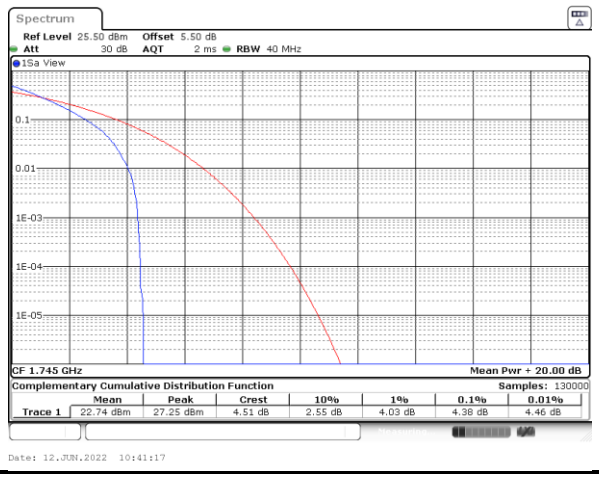
**Note:**

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

# FR1 n66

## Peak-to-Average Ratio

| Mode | FR1 n66 / 40MHz / DFT-S OFDM | | | | |
|---|---|---|---|---|---|
| Mod. | PI/2 BPSK | QPSK | | | Limit: 13dB |
| RB Size | Full RB | Full RB | | | Result |
| Middle CH | 4.32 | 4.38 | | | PASS |

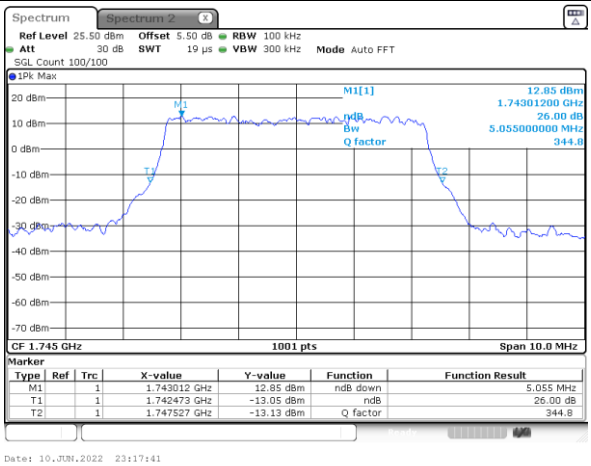
| FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB | |
|---|---|
| PI/2 BPSK | QPSK |
|  |  |

# 26dB Bandwidth

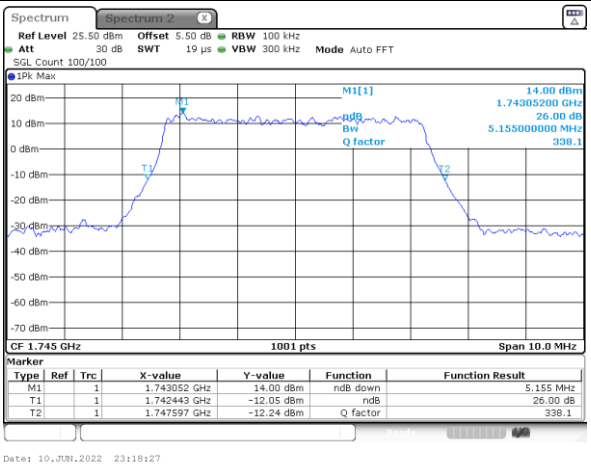
| Mode | FR1 n66 : 26dBW (MHz) / CP OFDM | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 5MHz | | 10MHz | | 15MHz | | 20MHz | | 30M | | 40M | |
| Mod. | QPSK | | QPSK | | QPSK | | QPSK | | QPSK | | QPSK | |
| Middle CH | 5.06 | | 10.01 | | 14.99 | | 21.18 | | 29.77 | | 41.08 | |
| Mod. | 16QAM | 64QAM | 16QAM | 64QAM | 16QAM | 64QAM | 16QAM | 64QAM | 16QAM | 64QAM | 16QAM | 64QAM |
| Middle CH | 5.16 | 5.12 | 10.33 | 10.13 | 15.05 | 15.02 | 21.30 | 21.38 | 29.65 | 29.65 | 41.08 | 41.08 |
| Mod. | 256QAM | | 256QAM | | 256QAM | | 256QAM | | 256QAM | | 256QAM | |
| Middle CH | 5.07 | | 10.39 | | 14.99 | | 21.22 | | 29.57 | | 40.92 | |

## FR1 n66 / 5MHz / CP OFDM / Middle Channel / Full RB

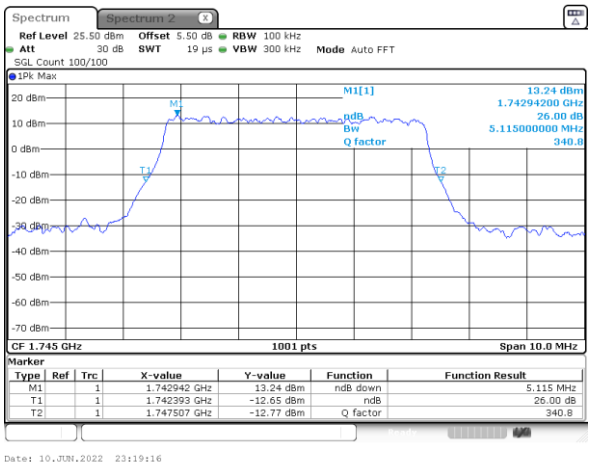
### QPSK



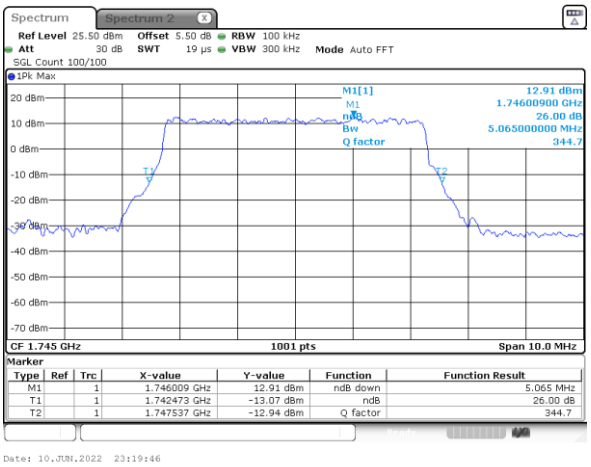

### 16QAM




### 64QAM

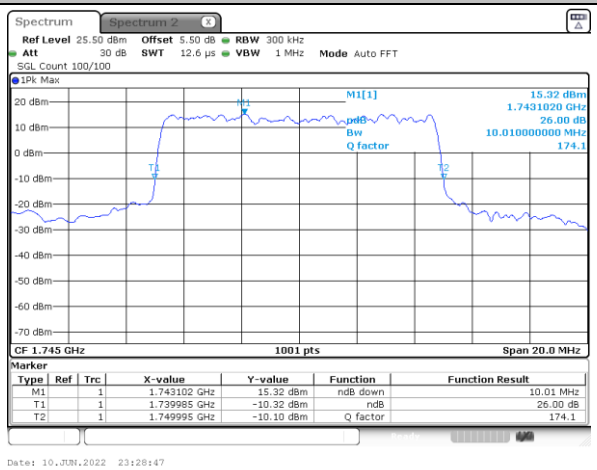



### 256QAM

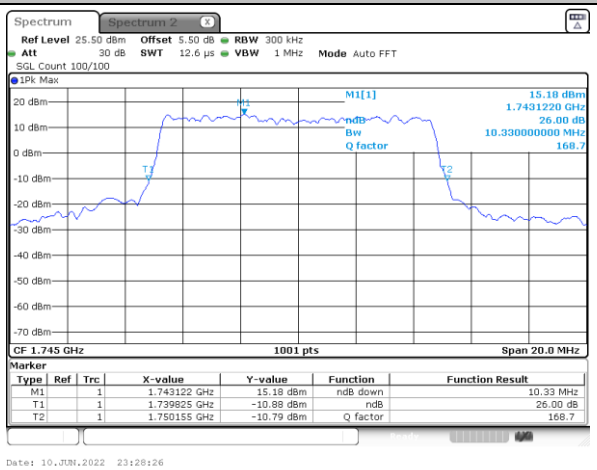


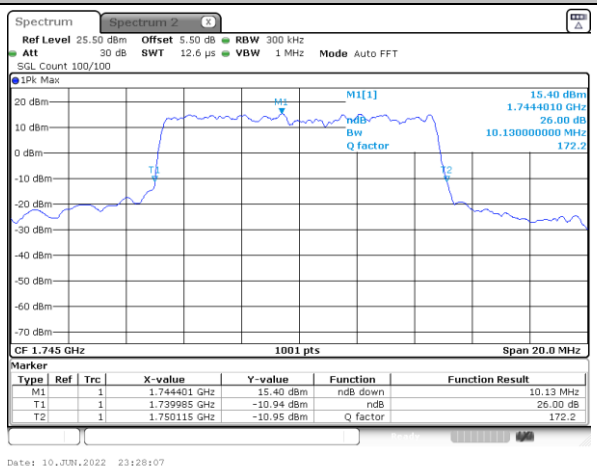
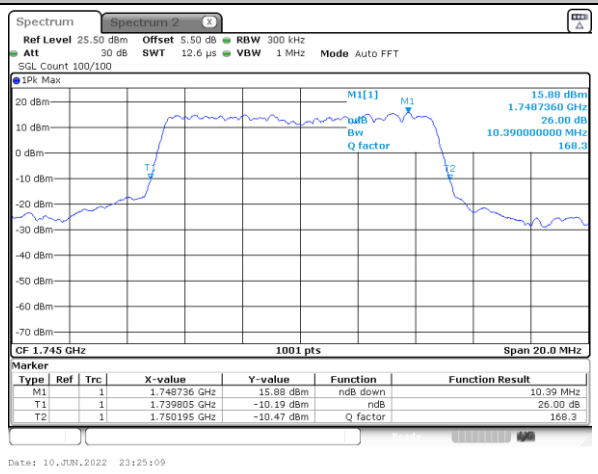

## FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB

### QPSK

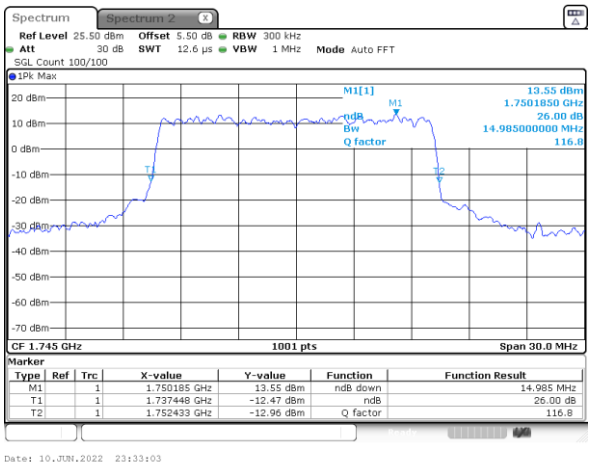
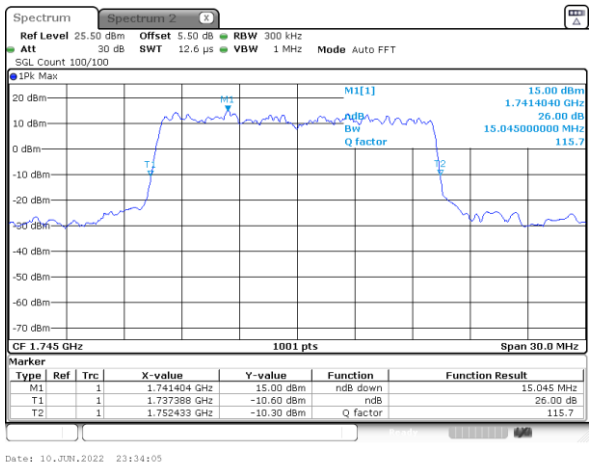
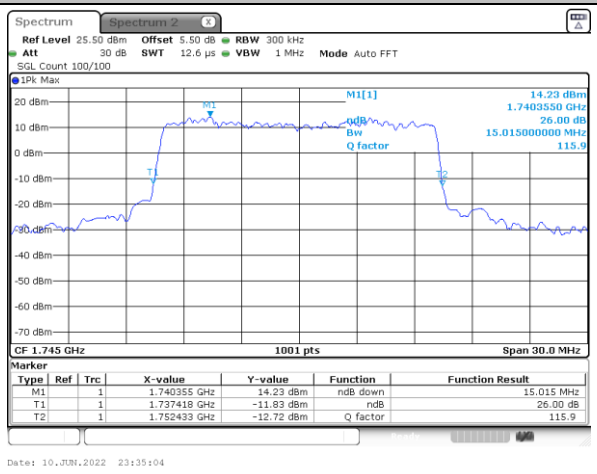
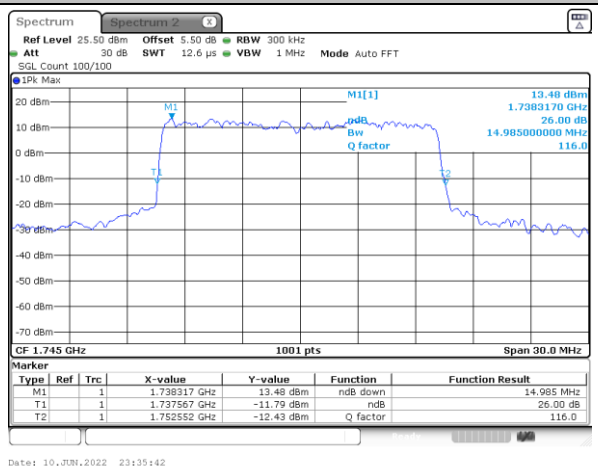



### 16QAM



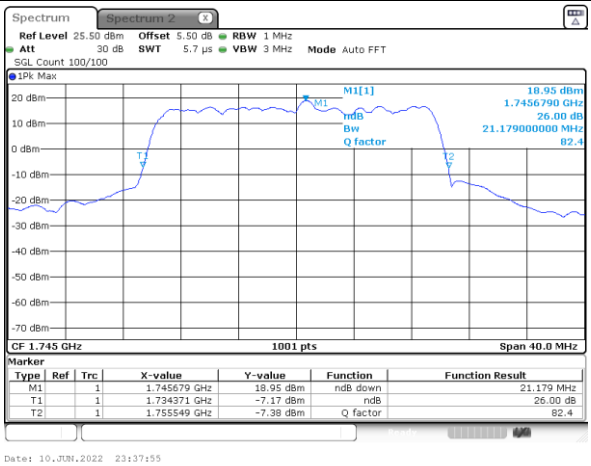
| 64QAM | 256QAM |
|---|---|
|  |  |

**FR1 n66 /15MHz / CP OFDM / Middle Channel / Full RB**

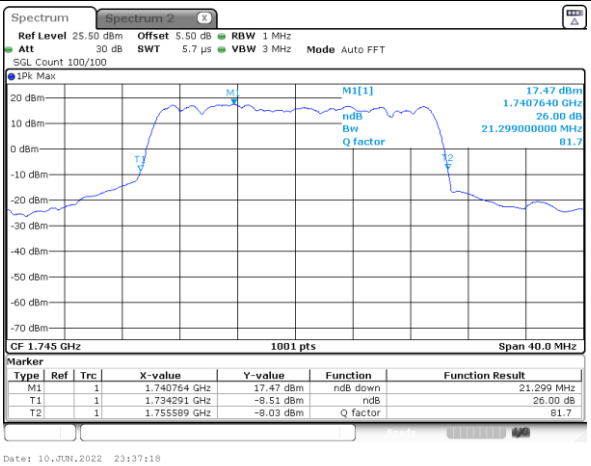
| QPSK | 16QAM |
|---|---|
|  |  |
| **64QAM** | **256QAM** |
|  |  |

## FR1 n66 / 20MHz / CP OFDM / Middle Channel / Full RB

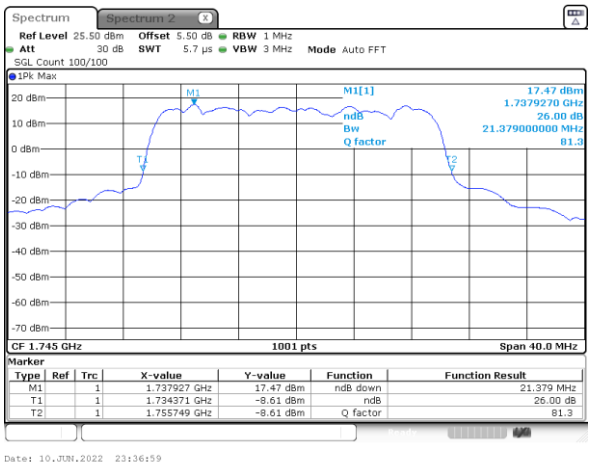
### QPSK



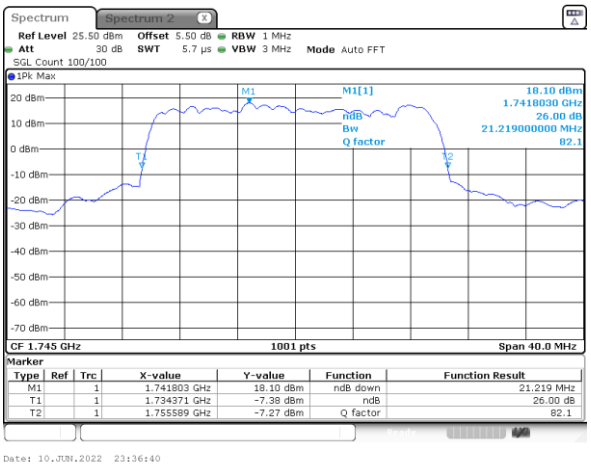

### 16QAM




### 64QAM

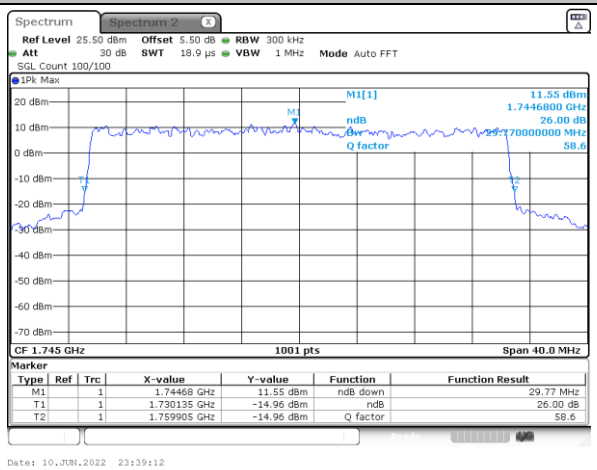



### 256QAM

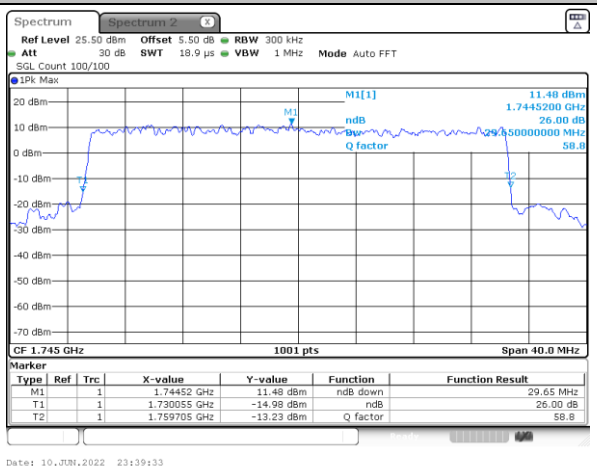


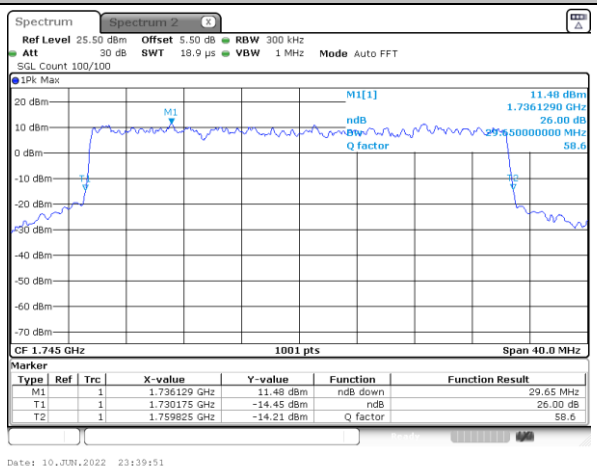
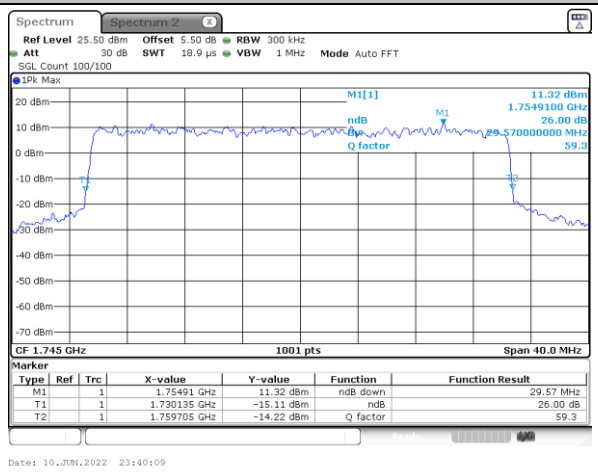

## FR1 n66 / 30MHz / CP OFDM / Middle Channel / Full RB

### QPSK

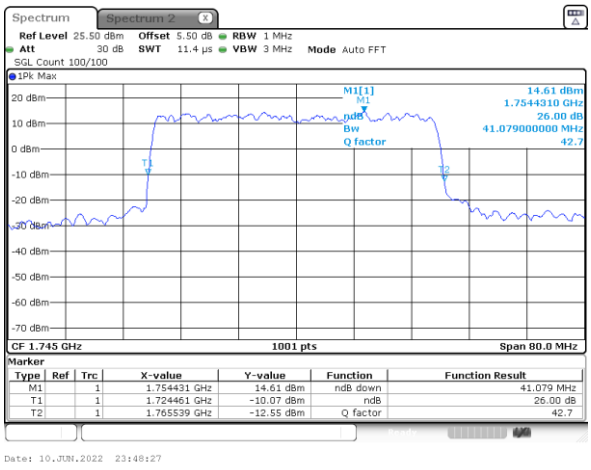
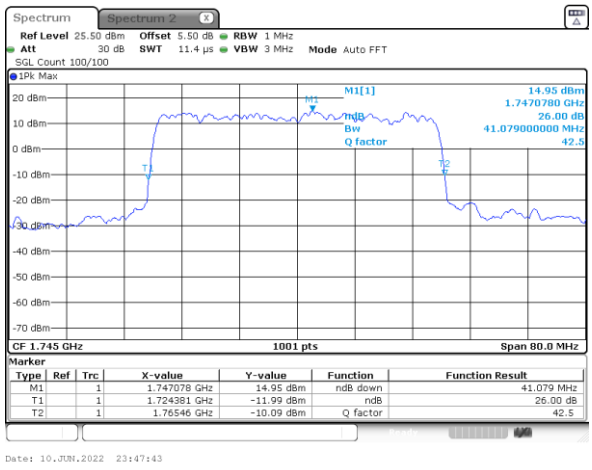


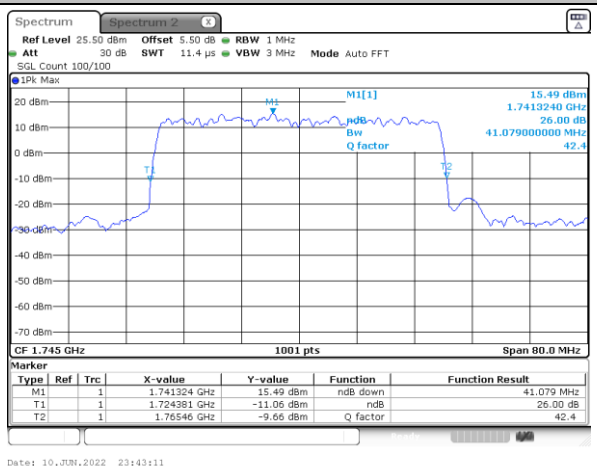
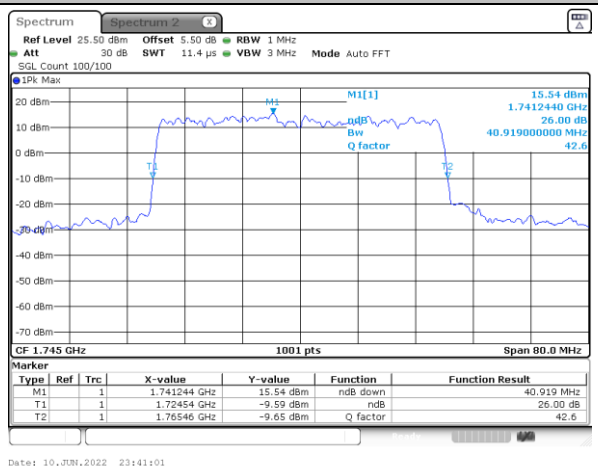

### 16QAM



| 64QAM | 256QAM |
|---|---|
|  |  |

**FR1 n66 / 40MHz / CP OFDM / Middle Channel / Full RB**

| QPSK | 16QAM |
|---|---|
|  |  |

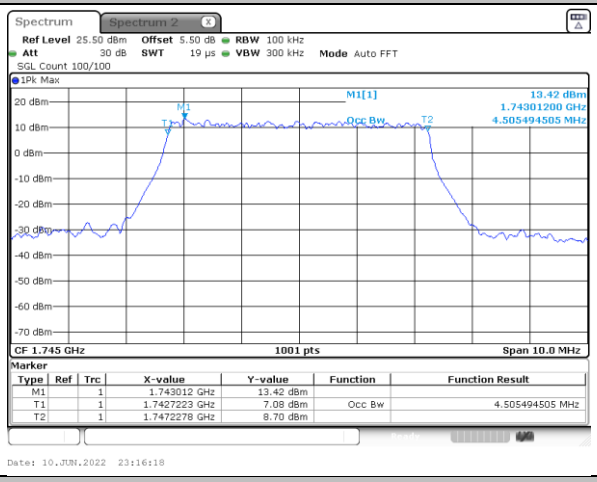
| 64QAM | 256QAM |
|---|---|
|  |  |

# Occupied Bandwidth

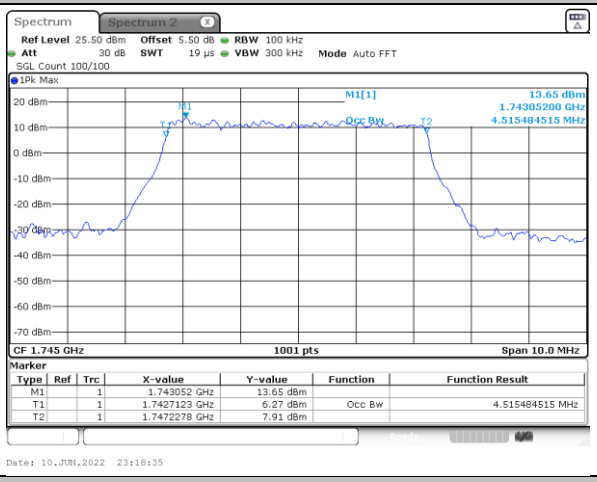
| Mode | FR1 n66 : 99%OBW (MHz) / CP OFDM | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 5MHz | | 10MHz | | 15MHz | | 20MHz | | 30MHz | | 40MHz | |
| Mod. | QPSK | | QPSK | | QPSK | | QPSK | | QPSK | | QPSK | |
| Middle CH | 4.51 | | 9.39 | | 14.15 | | 19.50 | | 28.61 | | 38.52 | |
| Mod. | 16QAM | 64QAM | 16QAM | 64QAM | 16QAM | 64QAM | 16QAM | 64QAM | 16QAM | 64QAM | 16QAM | 64QAM |
| Middle CH | 4.52 | 4.53 | 9.43 | 9.37 | 14.21 | 14.12 | 19.34 | 19.30 | 28.53 | 28.53 | 38.76 | 39 |
| Mod. | 256QAM | | 256QAM | | 256QAM | | 256QAM | | 256QAM | | 256QAM | |
| Middle CH | 4.52 | | 9.39 | | 14.18 | | 19.34 | | 28.45 | | 38.92 | |

## FR1 n66/ 5MHz / CP OFDM / Middle Channel / Full RB

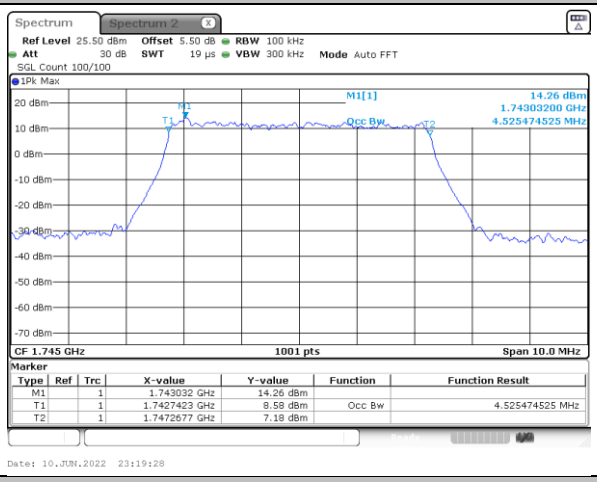
### QPSK



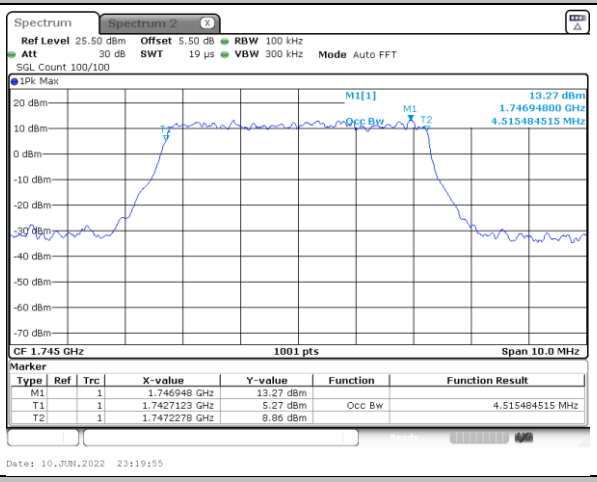

### 16QAM




### 64QAM

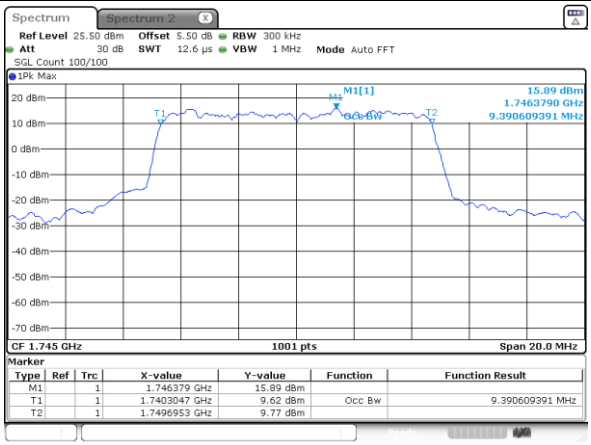



### 256QAM




## FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB

### QPSK




### 16QAM