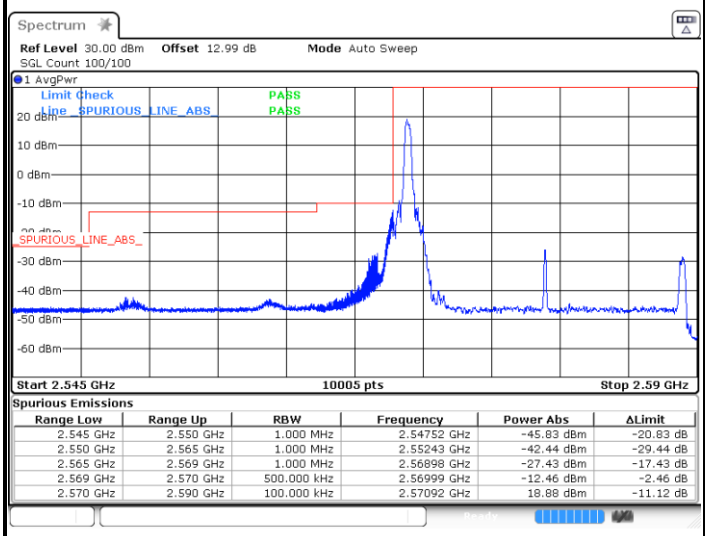
# Conducted Band Edge

## FR1 n38/ 20MHz / DFT-S OFDM / PI/2 BPSK

### Lowest Band Edge / 1RB0

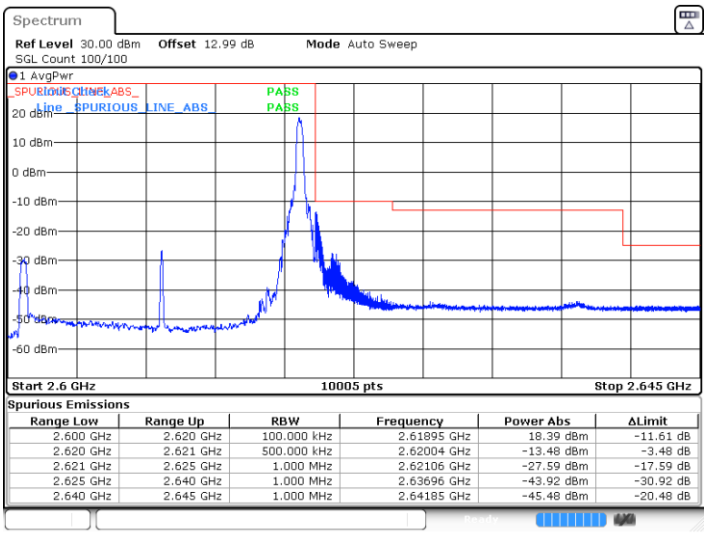



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.545 GHz | 2.550 GHz | 1.000 MHz | 2.54752 GHz | -45.83 dBm | -20.83 dB |
| 2.550 GHz | 2.565 GHz | 1.000 MHz | 2.55243 GHz | -42.44 dBm | -29.44 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56898 GHz | -27.43 dBm | -17.43 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.56999 GHz | -12.46 dBm | -2.46 dB |
| 2.570 GHz | 2.590 GHz | 100.000 kHz | 2.57092 GHz | 18.88 dBm | -11.12 dB |

Date: 21.JUN.2022 22:54:58

### Highest Band Edge / 1RBmax

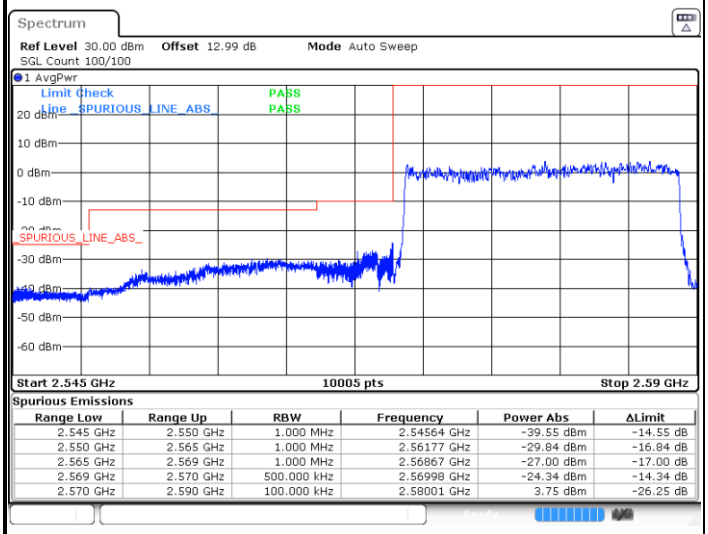



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.600 GHz | 2.620 GHz | 100.000 kHz | 2.61895 GHz | 18.39 dBm | -11.61 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62004 GHz | -13.48 dBm | -3.48 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62106 GHz | -27.59 dBm | -17.59 dB |
| 2.625 GHz | 2.640 GHz | 1.000 MHz | 2.63696 GHz | -43.92 dBm | -30.92 dB |
| 2.640 GHz | 2.645 GHz | 1.000 MHz | 2.64185 GHz | -45.48 dBm | -20.48 dB |

Date: 21.JUN.2022 22:47:18

### Lowest Band Edge / Full RB

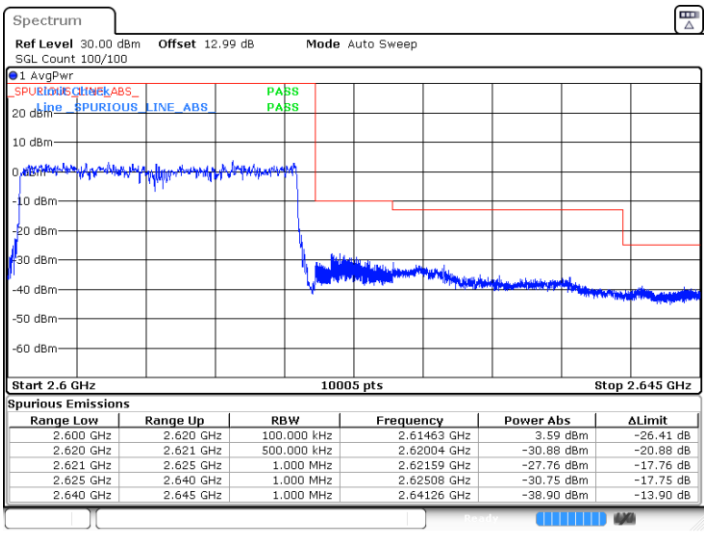



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.545 GHz | 2.550 GHz | 1.000 MHz | 2.54564 GHz | -39.55 dBm | -14.55 dB |
| 2.550 GHz | 2.565 GHz | 1.000 MHz | 2.56177 GHz | -29.84 dBm | -16.84 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56867 GHz | -27.00 dBm | -17.00 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.56998 GHz | -24.34 dBm | -14.34 dB |
| 2.570 GHz | 2.590 GHz | 100.000 kHz | 2.58001 GHz | 3.75 dBm | -26.25 dB |

Date: 21.JUN.2022 22:56:46

### Highest Band Edge / Full RB



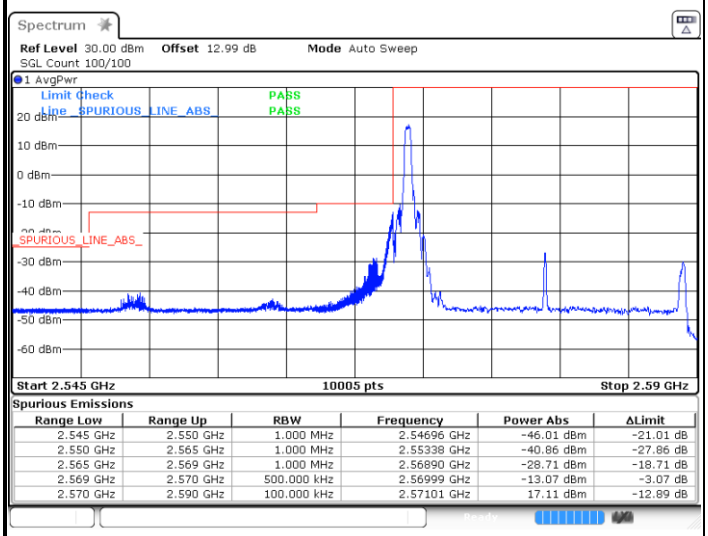

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.600 GHz | 2.620 GHz | 100.000 kHz | 2.61463 GHz | 3.59 dBm | -26.41 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62004 GHz | -30.88 dBm | -20.88 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62159 GHz | -27.76 dBm | -17.76 dB |
| 2.625 GHz | 2.640 GHz | 1.000 MHz | 2.62508 GHz | -30.75 dBm | -17.75 dB |
| 2.640 GHz | 2.645 GHz | 1.000 MHz | 2.64126 GHz | -38.90 dBm | -13.90 dB |

Date: 21.JUN.2022 22:45:48

## FR1 n38 / 20MHz / DFT-S OFDM / QPSK

### Lowest Band Edge / 1RB0

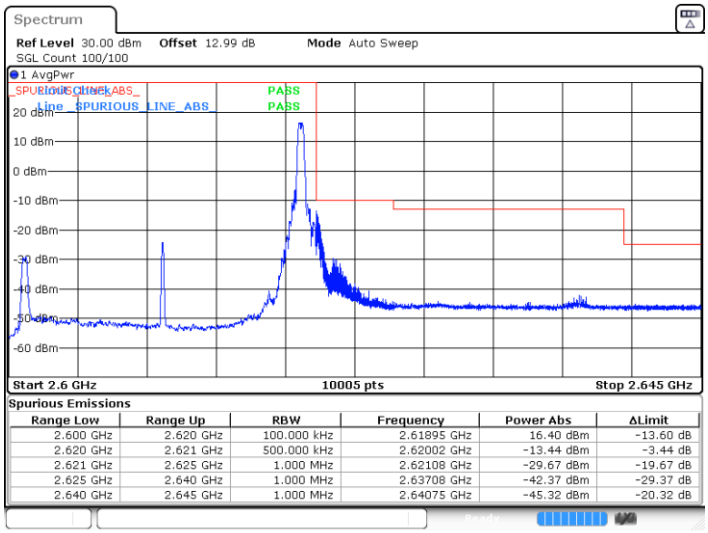



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.545 GHz | 2.550 GHz | 1.000 MHz | 2.54696 GHz | -46.01 dBm | -21.01 dB |
| 2.550 GHz | 2.565 GHz | 1.000 MHz | 2.55338 GHz | -40.86 dBm | -27.86 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56890 GHz | -28.71 dBm | -18.71 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.56999 GHz | -13.07 dBm | -3.07 dB |
| 2.570 GHz | 2.590 GHz | 100.000 kHz | 2.57101 GHz | 17.11 dBm | -12.89 dB |

Date: 21.JUN.2022 22:56:02

### Highest Band Edge / 1RBmax

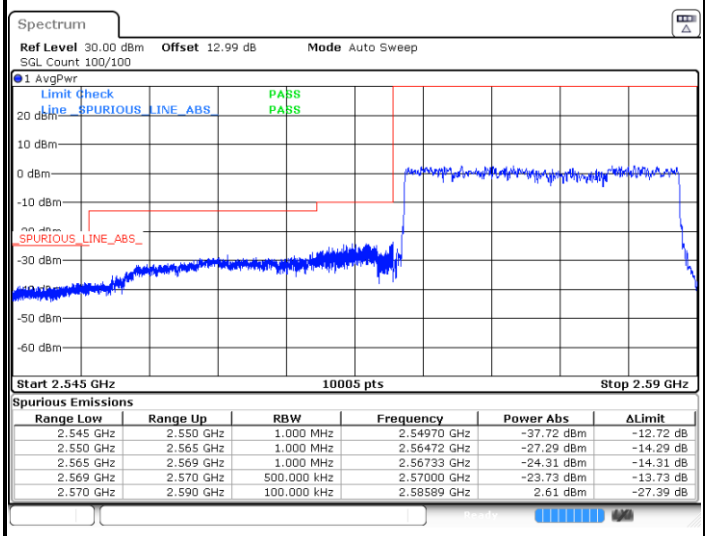



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.600 GHz | 2.620 GHz | 100.000 kHz | 2.61895 GHz | 16.40 dBm | -13.60 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62002 GHz | -13.44 dBm | -3.44 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62108 GHz | -29.67 dBm | -19.67 dB |
| 2.625 GHz | 2.640 GHz | 1.000 MHz | 2.63708 GHz | -42.37 dBm | -29.37 dB |
| 2.640 GHz | 2.645 GHz | 1.000 MHz | 2.64075 GHz | -45.32 dBm | -20.32 dB |

Date: 21.JUN.2022 22:46:52

### Lowest Band Edge / Full RB

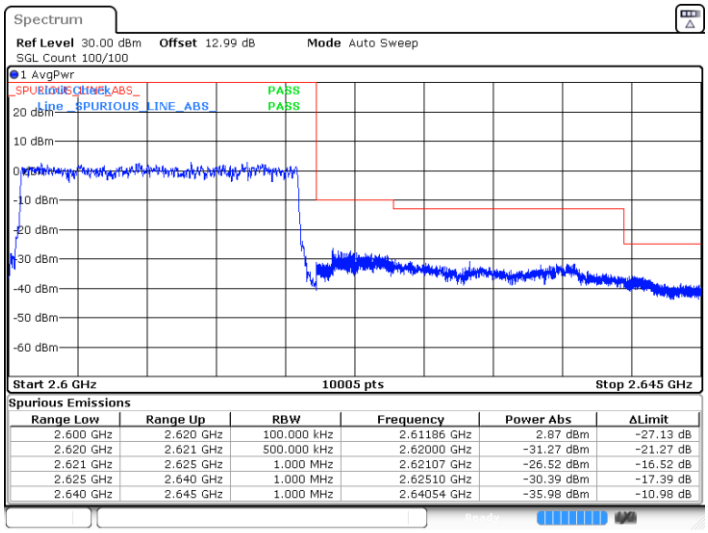



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.545 GHz | 2.550 GHz | 1.000 MHz | 2.54970 GHz | -37.72 dBm | -12.72 dB |
| 2.550 GHz | 2.565 GHz | 1.000 MHz | 2.56472 GHz | -27.29 dBm | -14.29 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56733 GHz | -24.31 dBm | -14.31 dB |
| 2.569 GHz | 2.570 GHz | 500.000 kHz | 2.57000 GHz | -23.73 dBm | -13.73 dB |
| 2.570 GHz | 2.590 GHz | 100.000 kHz | 2.58589 GHz | 2.61 dBm | -27.39 dB |

Date: 21.JUN.2022 22:56:26

### Highest Band Edge / Full RB



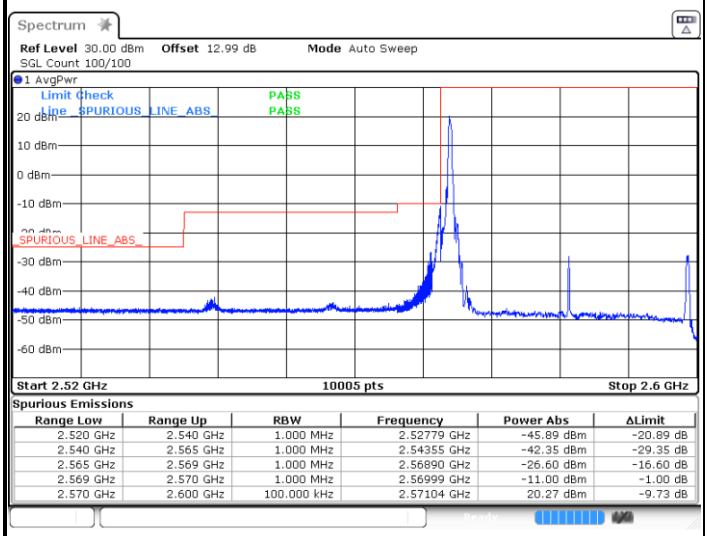

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.600 GHz | 2.620 GHz | 100.000 kHz | 2.61186 GHz | 2.87 dBm | -27.13 dB |
| 2.620 GHz | 2.621 GHz | 500.000 kHz | 2.62000 GHz | -31.27 dBm | -21.27 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62107 GHz | -26.52 dBm | -16.52 dB |
| 2.625 GHz | 2.640 GHz | 1.000 MHz | 2.62510 GHz | -30.39 dBm | -17.39 dB |
| 2.640 GHz | 2.645 GHz | 1.000 MHz | 2.64054 GHz | -35.98 dBm | -10.98 dB |

Date: 21.JUN.2022 22:46:15

## FR1 n38/ 30MHz / DFT-S OFDM / PI/2 BPSK

### Lowest Band Edge / 1RB0

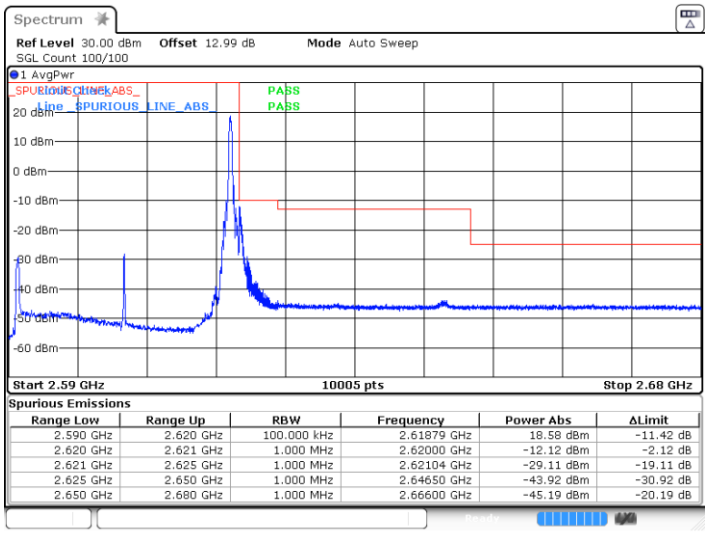



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.520 GHz | 2.540 GHz | 1.000 MHz | 2.52779 GHz | -45.89 dBm | -20.89 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.54355 GHz | -42.35 dBm | -29.35 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56890 GHz | -26.60 dBm | -16.60 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.56999 GHz | -11.00 dBm | -1.00 dB |
| 2.570 GHz | 2.600 GHz | 100.000 kHz | 2.57104 GHz | 20.27 dBm | -9.73 dB |

Date: 21.JUN.2022 23:02:13

### Highest Band Edge / 1RBmax

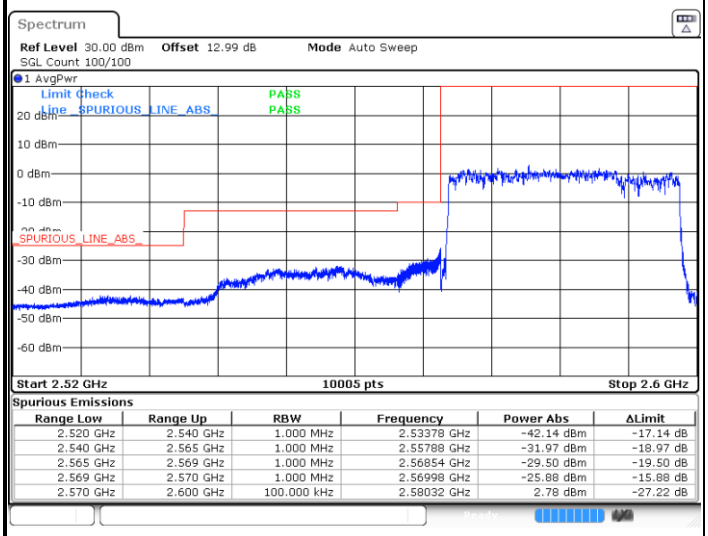



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.620 GHz | 100.000 kHz | 2.61879 GHz | 18.58 dBm | -11.42 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62000 GHz | -12.12 dBm | -2.12 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62104 GHz | -29.11 dBm | -19.11 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.64650 GHz | -43.92 dBm | -30.92 dB |
| 2.650 GHz | 2.680 GHz | 1.000 MHz | 2.66600 GHz | -45.19 dBm | -20.19 dB |

Date: 21.JUN.2022 23:18:38

### Lowest Band Edge / Full RB

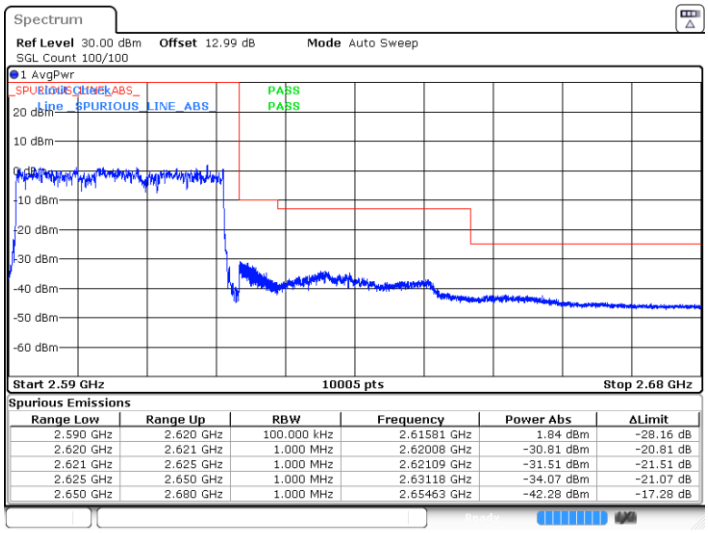



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.520 GHz | 2.540 GHz | 1.000 MHz | 2.53378 GHz | -42.14 dBm | -17.14 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.55788 GHz | -31.97 dBm | -18.97 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56854 GHz | -29.50 dBm | -19.50 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.56998 GHz | -25.88 dBm | -15.88 dB |
| 2.570 GHz | 2.600 GHz | 100.000 kHz | 2.58032 GHz | 2.78 dBm | -27.22 dB |

Date: 21.JUN.2022 23:04:05

### Highest Band Edge / Full RB



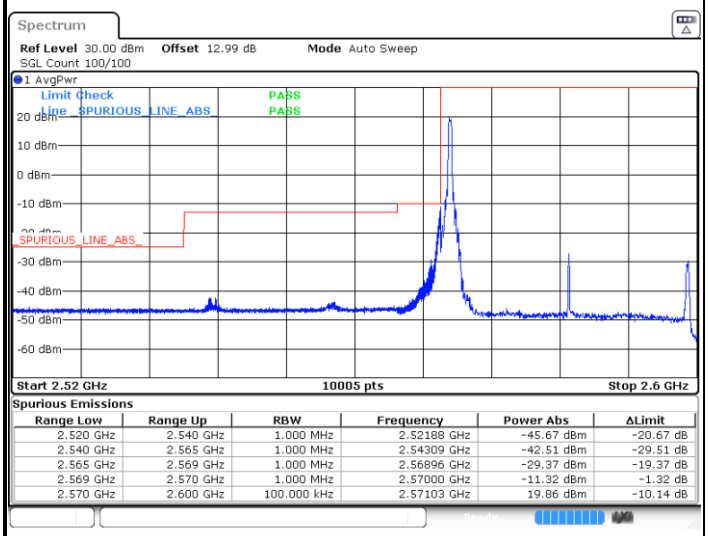

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.620 GHz | 100.000 kHz | 2.61581 GHz | 1.84 dBm | -28.16 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62008 GHz | -30.81 dBm | -20.81 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62109 GHz | -31.51 dBm | -21.51 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.63118 GHz | -34.07 dBm | -21.07 dB |
| 2.650 GHz | 2.680 GHz | 1.000 MHz | 2.65463 GHz | -42.28 dBm | -17.28 dB |

Date: 21.JUN.2022 23:13:38

## FR1 n38 / 30MHz / DFT-S OFDM / QPSK

### Lowest Band Edge / 1RB0

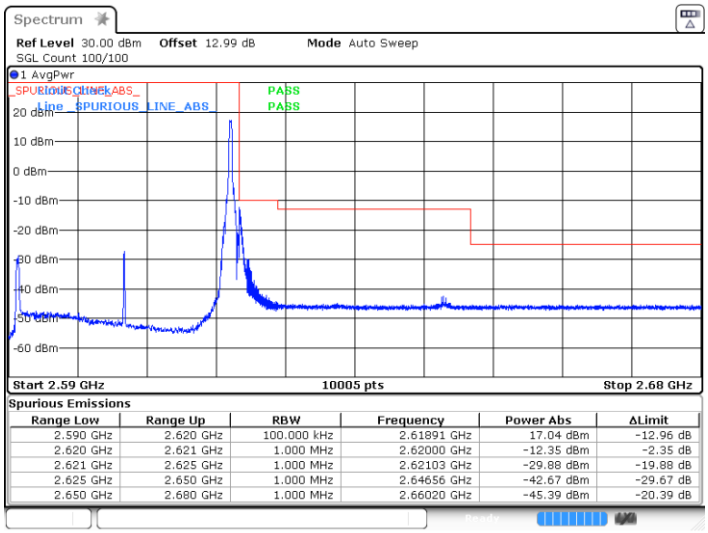



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.520 GHz | 2.540 GHz | 1.000 MHz | 2.52188 GHz | -45.67 dBm | -20.67 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.54309 GHz | -42.51 dBm | -29.51 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56896 GHz | -29.37 dBm | -19.37 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.57000 GHz | -11.32 dBm | -1.32 dB |
| 2.570 GHz | 2.600 GHz | 100.000 kHz | 2.57103 GHz | 19.86 dBm | -10.14 dB |

Date: 21.JUN.2022 23:02:45

### Highest Band Edge / 1RBmax

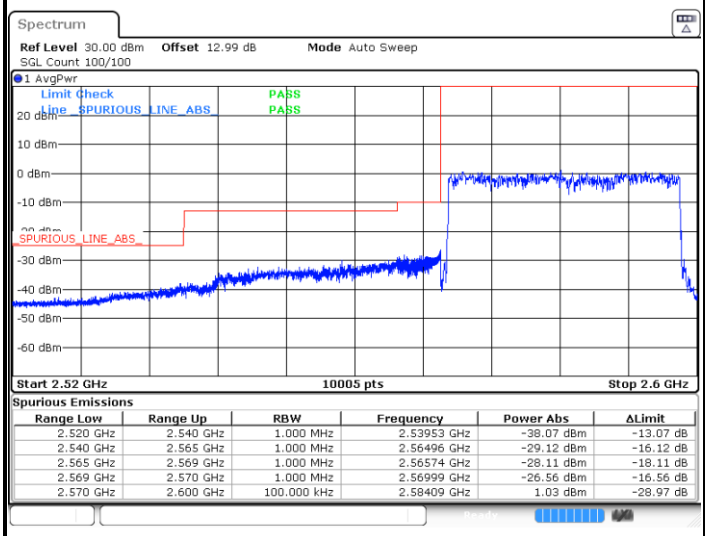



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.620 GHz | 100.000 kHz | 2.61891 GHz | 17.04 dBm | -12.96 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62000 GHz | -12.35 dBm | -2.35 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62103 GHz | -29.88 dBm | -19.88 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.64656 GHz | -42.67 dBm | -29.67 dB |
| 2.650 GHz | 2.680 GHz | 1.000 MHz | 2.66020 GHz | -45.39 dBm | -20.39 dB |

Date: 21.JUN.2022 23:17:46

### Lowest Band Edge / Full RB

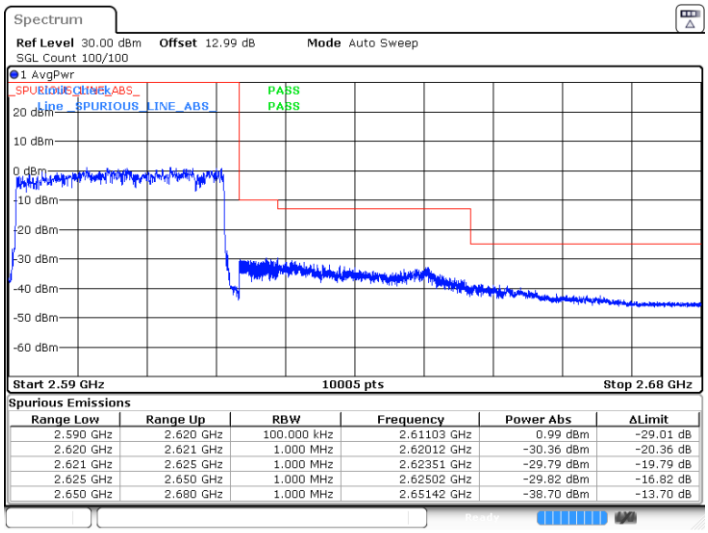



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.520 GHz | 2.540 GHz | 1.000 MHz | 2.53953 GHz | -38.07 dBm | -13.07 dB |
| 2.540 GHz | 2.565 GHz | 1.000 MHz | 2.56496 GHz | -29.12 dBm | -16.12 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56574 GHz | -28.11 dBm | -18.11 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.56999 GHz | -26.56 dBm | -16.56 dB |
| 2.570 GHz | 2.600 GHz | 100.000 kHz | 2.58409 GHz | 1.03 dBm | -28.97 dB |

Date: 21.JUN.2022 23:03:31

### Highest Band Edge / Full RB



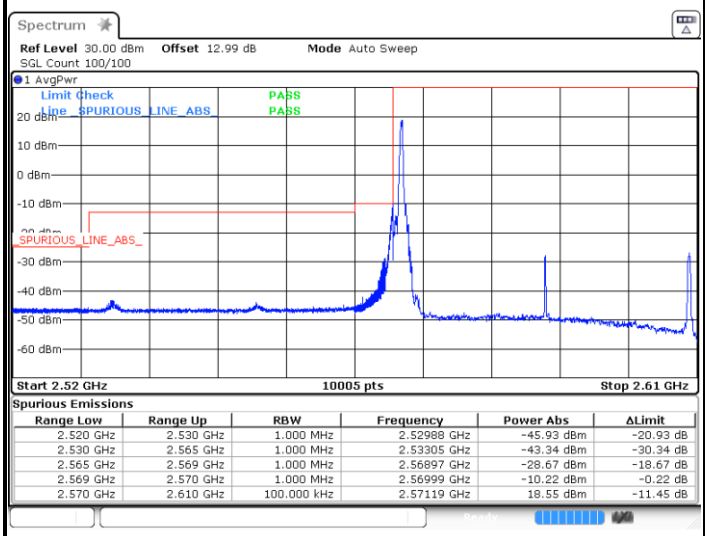

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.590 GHz | 2.620 GHz | 100.000 kHz | 2.61103 GHz | 0.99 dBm | -29.01 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62012 GHz | -30.36 dBm | -20.36 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62351 GHz | -29.79 dBm | -19.79 dB |
| 2.625 GHz | 2.650 GHz | 1.000 MHz | 2.62502 GHz | -29.82 dBm | -16.82 dB |
| 2.650 GHz | 2.680 GHz | 1.000 MHz | 2.65142 GHz | -38.70 dBm | -13.70 dB |

Date: 21.JUN.2022 23:14:46

## FR1 n38 / 40MHz / DFT-S OFDM / PI/2 BPSK

### Lowest Band Edge / 1RB0

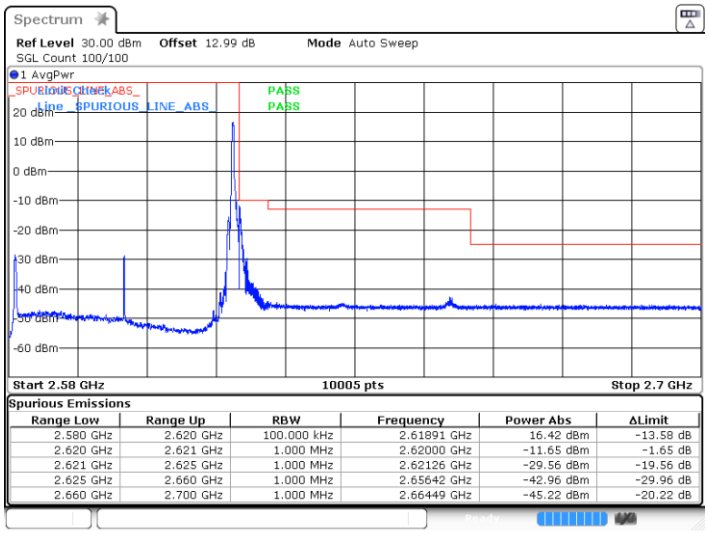



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.520 GHz | 2.530 GHz | 1.000 MHz | 2.52988 GHz | -45.93 dBm | -20.93 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.53305 GHz | -43.34 dBm | -30.34 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56897 GHz | -28.67 dBm | -18.67 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.56999 GHz | -10.22 dBm | -0.22 dB |
| 2.570 GHz | 2.610 GHz | 100.000 kHz | 2.57119 GHz | 18.55 dBm | -11.45 dB |

Date: 21.JUN.2022 23:29:23

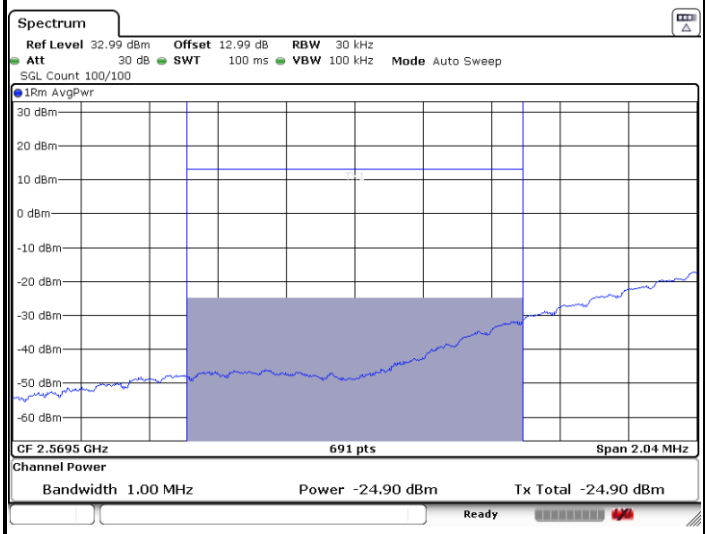
### Highest Band Edge / 1RBmax




Spurious Emissions

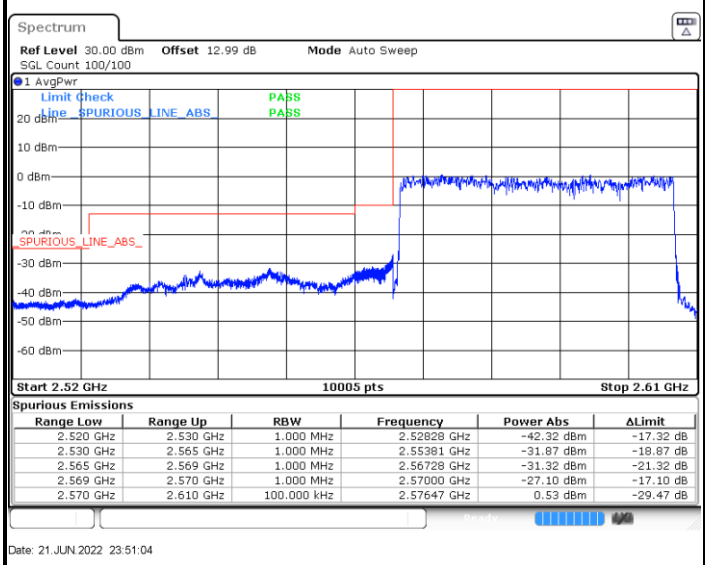
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.580 GHz | 2.620 GHz | 100.000 kHz | 2.61891 GHz | 16.42 dBm | -13.58 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62000 GHz | -11.65 dBm | -1.65 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62126 GHz | -29.56 dBm | -19.56 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.65642 GHz | -42.96 dBm | -29.96 dB |
| 2.660 GHz | 2.700 GHz | 1.000 MHz | 2.66449 GHz | -45.22 dBm | -20.22 dB |

Date: 22.JUN.2022 00:09:56




Date: 21.JUN.2022 23:47:50

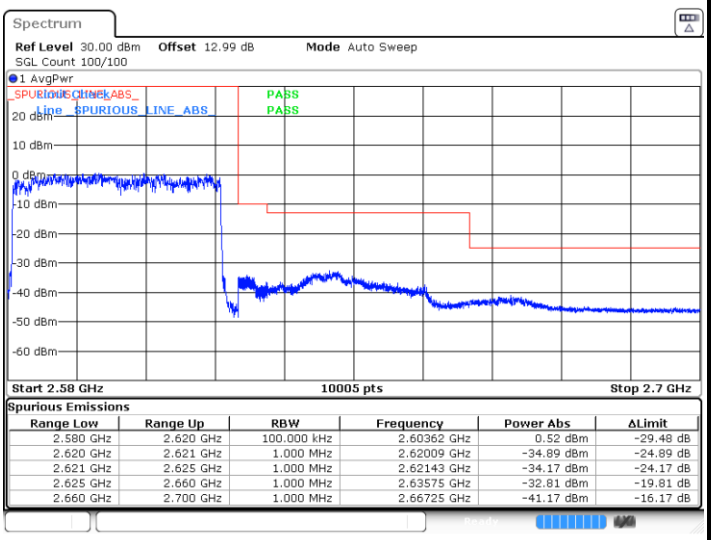
| Lowest Band Edge / Full RB | Highest Band Edge / Full RB |
|---|---|




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.520 GHz | 2.530 GHz | 1.000 MHz | 2.52828 GHz | -42.32 dBm | -17.32 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.55381 GHz | -31.87 dBm | -18.87 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56728 GHz | -31.32 dBm | -21.32 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.57000 GHz | -27.10 dBm | -17.10 dB |
| 2.570 GHz | 2.610 GHz | 100.000 kHz | 2.57647 GHz | 0.53 dBm | -29.47 dB |

Date: 21.JUN.2022 23:51:04



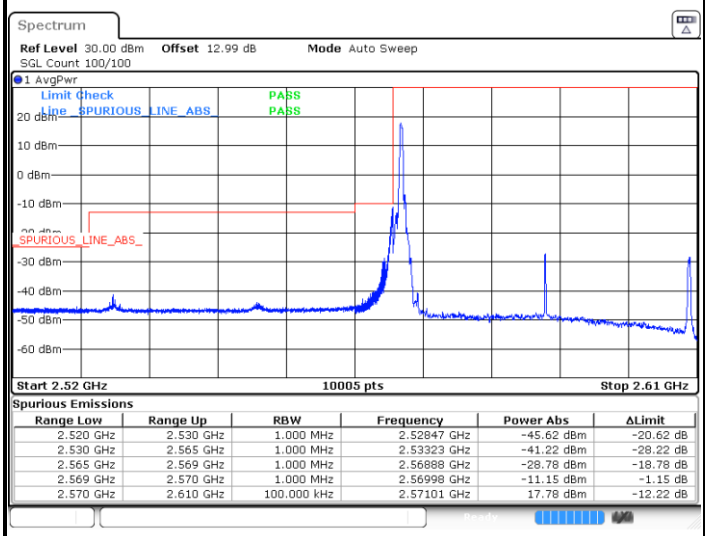

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.580 GHz | 2.620 GHz | 100.000 kHz | 2.60362 GHz | 0.52 dBm | -29.48 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62009 GHz | -34.89 dBm | -24.89 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62143 GHz | -34.17 dBm | -24.17 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.63575 GHz | -32.81 dBm | -19.81 dB |
| 2.660 GHz | 2.700 GHz | 1.000 MHz | 2.66725 GHz | -41.17 dBm | -16.17 dB |

Date: 22.JUN.2022 00:02:31

## FR1 n38 / 40MHz / DFT-S OFDM / QPSK

### Lowest Band Edge / 1RB0

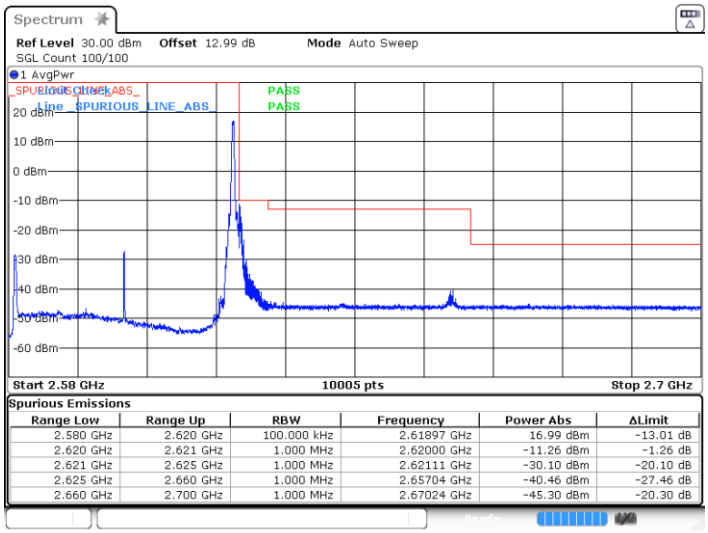



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.520 GHz | 2.530 GHz | 1.000 MHz | 2.52847 GHz | -45.62 dBm | -20.62 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.53323 GHz | -41.22 dBm | -28.22 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56888 GHz | -28.78 dBm | -18.78 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.56998 GHz | -11.15 dBm | -1.15 dB |
| 2.570 GHz | 2.610 GHz | 100.000 kHz | 2.57101 GHz | 17.78 dBm | -12.22 dB |

Date: 21.JUN.2022 23:49:42

### Highest Band Edge / 1RBmax

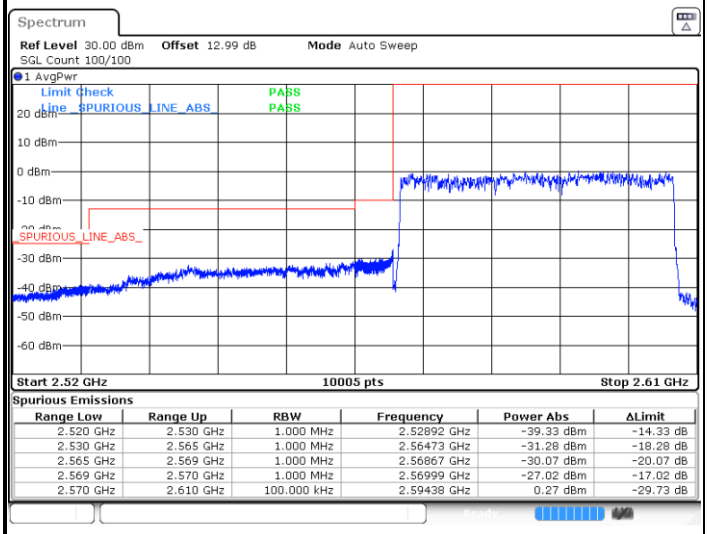



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.580 GHz | 2.620 GHz | 100.000 kHz | 2.61897 GHz | 16.99 dBm | -13.01 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62000 GHz | -11.26 dBm | -1.26 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62111 GHz | -30.10 dBm | -20.10 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.65704 GHz | -40.46 dBm | -27.46 dB |
| 2.660 GHz | 2.700 GHz | 1.000 MHz | 2.67024 GHz | -45.30 dBm | -20.30 dB |

Date: 22.JUN.2022 00:06:42

### Lowest Band Edge / Full RB

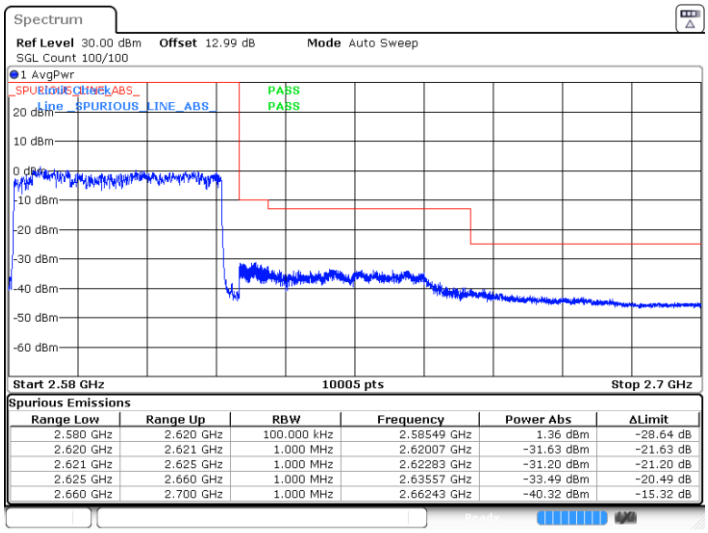



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.520 GHz | 2.530 GHz | 1.000 MHz | 2.52892 GHz | -39.33 dBm | -14.33 dB |
| 2.530 GHz | 2.565 GHz | 1.000 MHz | 2.56473 GHz | -31.28 dBm | -18.28 dB |
| 2.565 GHz | 2.569 GHz | 1.000 MHz | 2.56867 GHz | -30.07 dBm | -20.07 dB |
| 2.569 GHz | 2.570 GHz | 1.000 MHz | 2.56999 GHz | -27.02 dBm | -17.02 dB |
| 2.570 GHz | 2.610 GHz | 100.000 kHz | 2.59438 GHz | 0.27 dBm | -29.73 dB |

Date: 21.JUN.2022 23:50:37

### Highest Band Edge / Full RB




Spurious Emissions

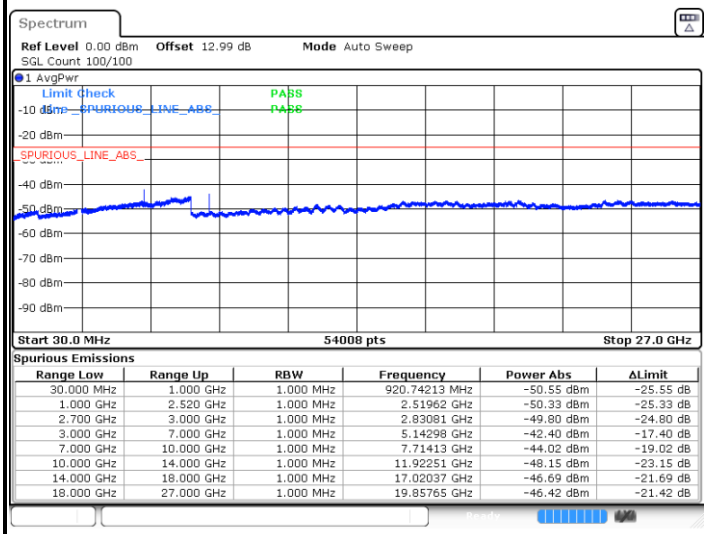
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.580 GHz | 2.620 GHz | 100.000 kHz | 2.58549 GHz | 1.36 dBm | -28.64 dB |
| 2.620 GHz | 2.621 GHz | 1.000 MHz | 2.62007 GHz | -31.63 dBm | -21.63 dB |
| 2.621 GHz | 2.625 GHz | 1.000 MHz | 2.62283 GHz | -31.20 dBm | -21.20 dB |
| 2.625 GHz | 2.660 GHz | 1.000 MHz | 2.63557 GHz | -33.49 dBm | -20.49 dB |
| 2.660 GHz | 2.700 GHz | 1.000 MHz | 2.66243 GHz | -40.32 dBm | -15.32 dB |

Date: 22.JUN.2022 00:03:57

# Conducted Spurious Emission

## FR1 n38 / 20MHz / DFT-S OFDM / BPSK

### Lowest Channel / 1RB1

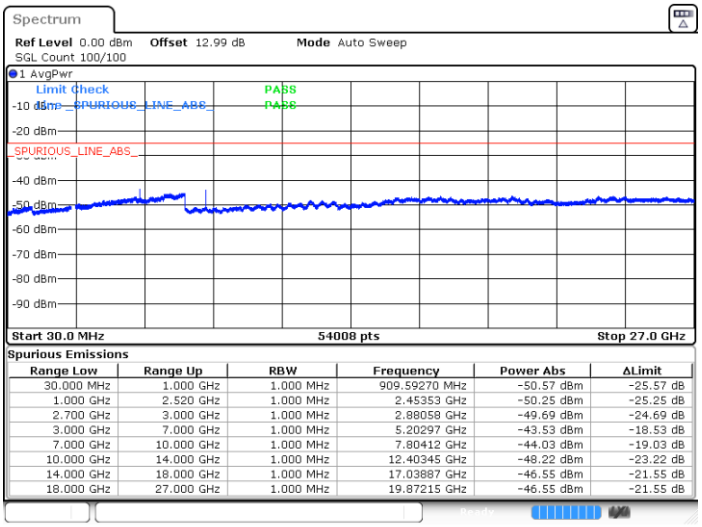



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 920.74213 MHz | -50.55 dBm | -25.55 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.51962 GHz | -50.33 dBm | -25.33 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.83081 GHz | -49.80 dBm | -24.80 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.14298 GHz | -42.40 dBm | -17.40 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.71413 GHz | -44.02 dBm | -19.02 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.92251 GHz | -48.15 dBm | -23.15 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.02037 GHz | -46.69 dBm | -21.69 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85765 GHz | -46.42 dBm | -21.42 dB |

Date: 21.JUN.2022 22:52:34

### Middle Channel / 1RB1

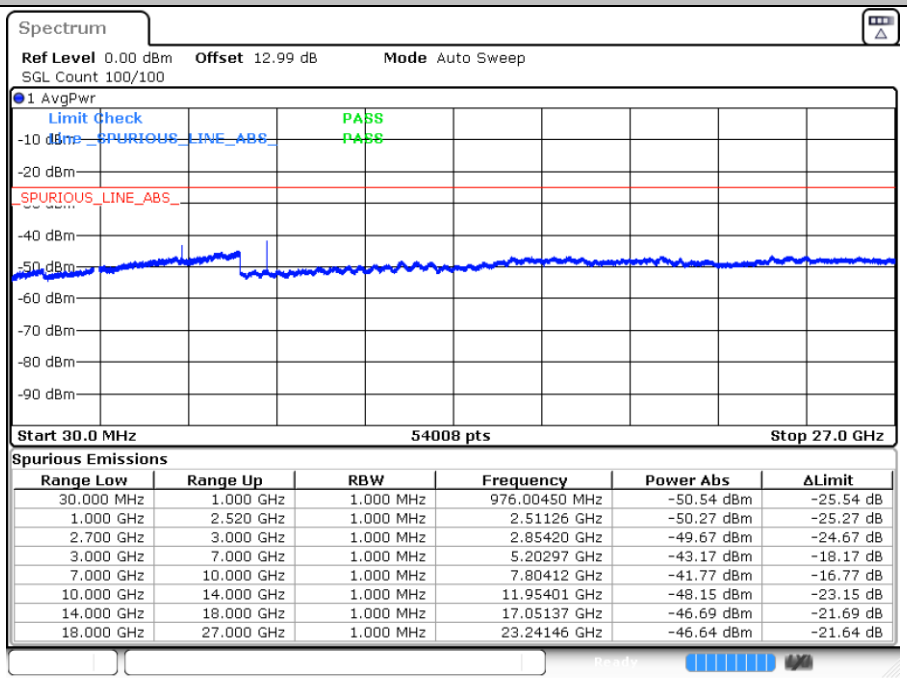



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 909.59270 MHz | -50.57 dBm | -25.57 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.45353 GHz | -50.25 dBm | -25.25 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.88058 GHz | -49.69 dBm | -24.69 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.20297 GHz | -43.53 dBm | -18.53 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.80412 GHz | -44.03 dBm | -19.03 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.40345 GHz | -48.22 dBm | -23.22 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.03887 GHz | -46.55 dBm | -21.55 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87215 GHz | -46.55 dBm | -21.55 dB |

Date: 21.JUN.2022 22:51:25

### Highest Channel / 1RB1



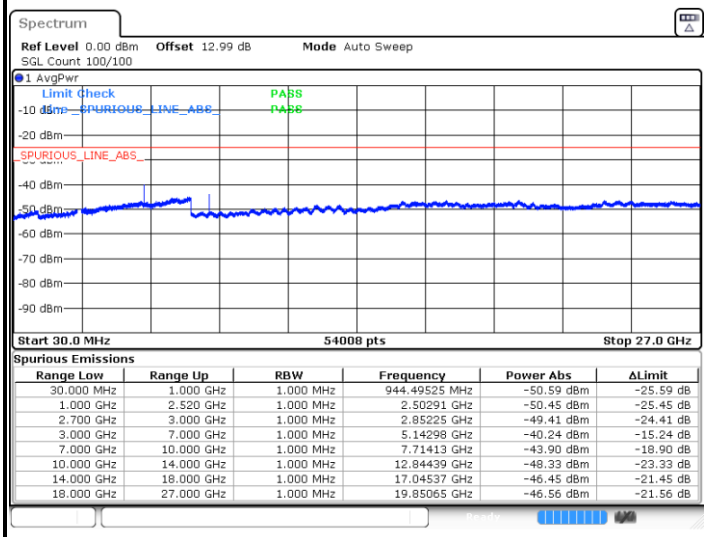

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 976.00450 MHz | -50.54 dBm | -25.54 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.51126 GHz | -50.27 dBm | -25.27 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.85420 GHz | -49.67 dBm | -24.67 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.20297 GHz | -43.17 dBm | -18.17 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.80412 GHz | -41.77 dBm | -16.77 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.95401 GHz | -48.15 dBm | -23.15 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.05137 GHz | -46.69 dBm | -21.69 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 23.24146 GHz | -46.64 dBm | -21.64 dB |

Date: 21.JUN.2022 22:48:25

## FR1 n38 / 20MHz / DFT-S OFDM / QPSK

### Lowest Channel / 1RB1

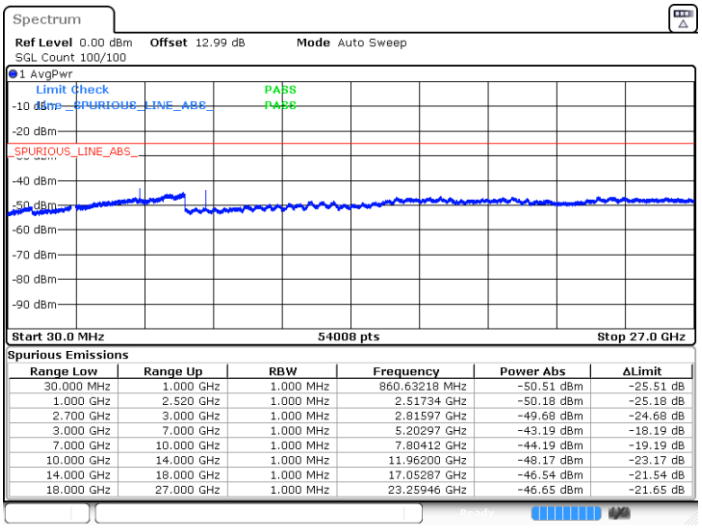



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 944.49525 MHz | -50.59 dBm | -25.59 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.50291 GHz | -50.45 dBm | -25.45 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.85225 GHz | -49.41 dBm | -24.41 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.14298 GHz | -40.24 dBm | -15.24 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.71413 GHz | -43.90 dBm | -18.90 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84439 GHz | -48.33 dBm | -23.33 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.04537 GHz | -46.45 dBm | -21.45 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85065 GHz | -46.56 dBm | -21.56 dB |

Date: 21.JUN.2022 22:53:23

### Middle Channel / 1RB1

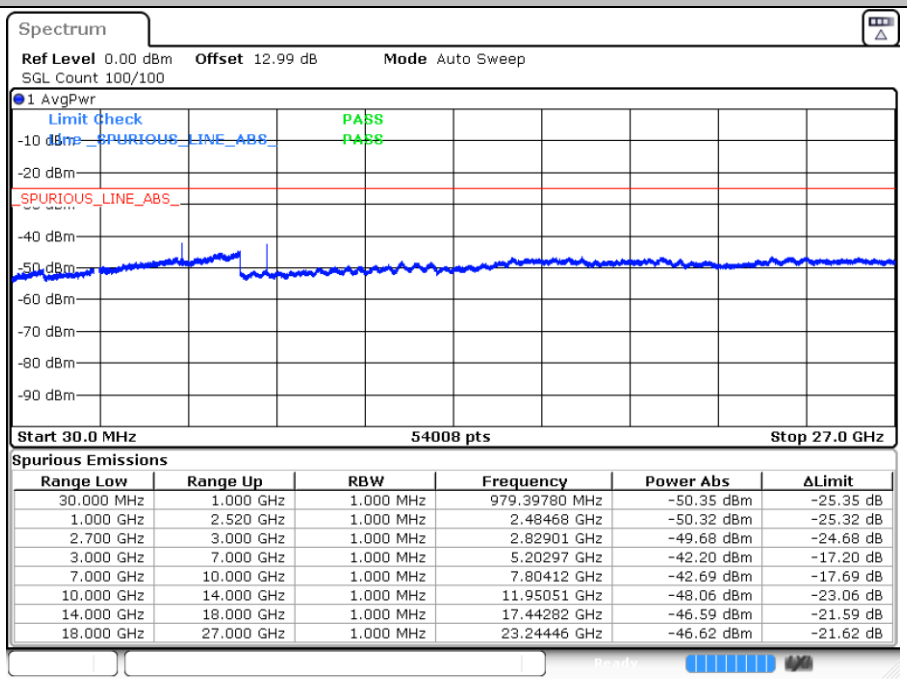



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 860.63218 MHz | -50.51 dBm | -25.51 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.51734 GHz | -50.18 dBm | -25.18 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.81597 GHz | -49.68 dBm | -24.68 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.20297 GHz | -43.19 dBm | -18.19 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.80412 GHz | -44.19 dBm | -19.19 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.96200 GHz | -48.17 dBm | -23.17 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.05287 GHz | -46.54 dBm | -21.54 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 23.25946 GHz | -46.65 dBm | -21.65 dB |

Date: 21.JUN.2022 22:50:34

### Highest Channel / 1RB1



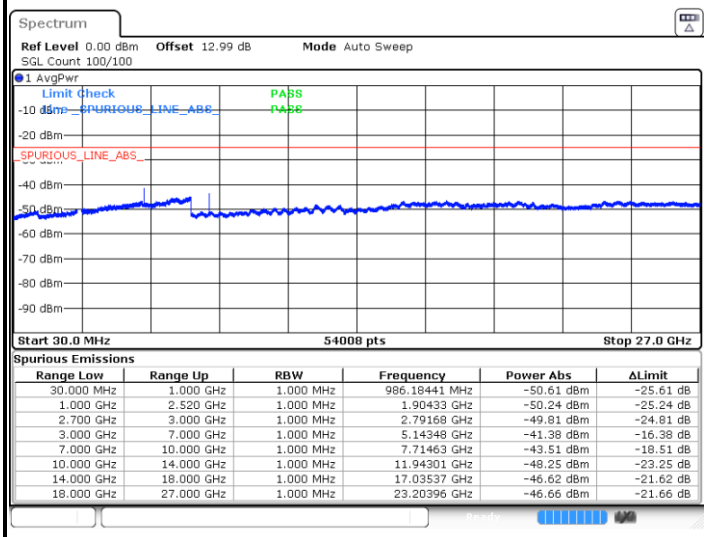

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 979.39780 MHz | -50.35 dBm | -25.35 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.48468 GHz | -50.32 dBm | -25.32 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.82901 GHz | -49.68 dBm | -24.68 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.20297 GHz | -42.20 dBm | -17.20 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.80412 GHz | -42.69 dBm | -17.69 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.95051 GHz | -48.06 dBm | -23.06 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.44282 GHz | -46.59 dBm | -21.59 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 23.24446 GHz | -46.62 dBm | -21.62 dB |

Date: 21.JUN.2022 22:49:43

## FR1 n38 / 30MHz / DFT-S OFDM / BPSK

### Lowest Channel / 1RB1

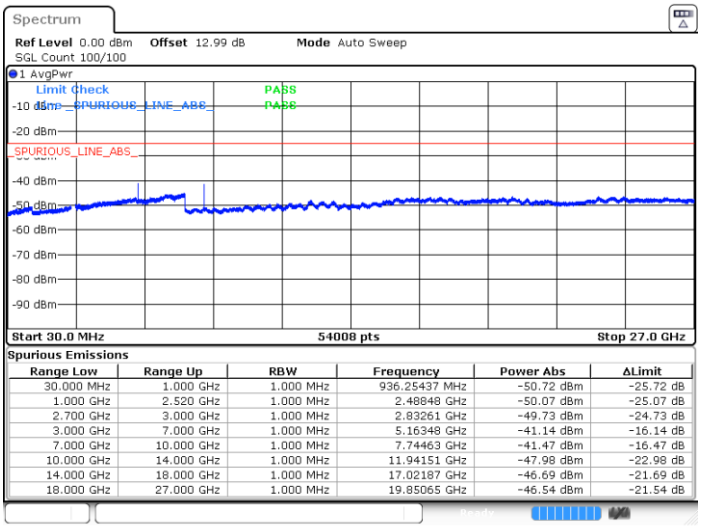



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 986.18441 MHz | -50.61 dBm | -25.61 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 1.90433 GHz | -50.24 dBm | -25.24 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.79168 GHz | -49.81 dBm | -24.81 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.14348 GHz | -41.38 dBm | -16.38 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.71463 GHz | -43.51 dBm | -18.51 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.94301 GHz | -48.25 dBm | -23.25 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.03537 GHz | -46.62 dBm | -21.62 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 23.20396 GHz | -46.66 dBm | -21.66 dB |

Date: 21.JUN.2022 23:05:07

### Middle Channel / 1RB1

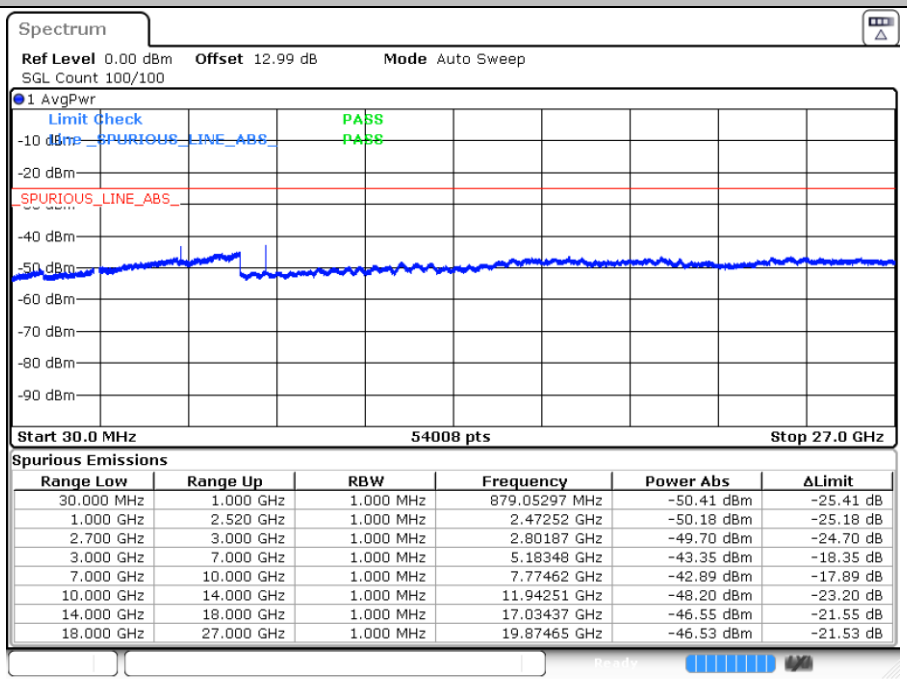



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 936.25437 MHz | -50.72 dBm | -25.72 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.48848 GHz | -50.07 dBm | -25.07 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.83261 GHz | -49.73 dBm | -24.73 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.16348 GHz | -41.14 dBm | -16.14 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.74463 GHz | -41.47 dBm | -16.47 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.94151 GHz | -47.98 dBm | -22.98 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.02187 GHz | -46.69 dBm | -21.69 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85065 GHz | -46.54 dBm | -21.54 dB |

Date: 21.JUN.2022 23:08:23

### Highest Channel / 1RB1



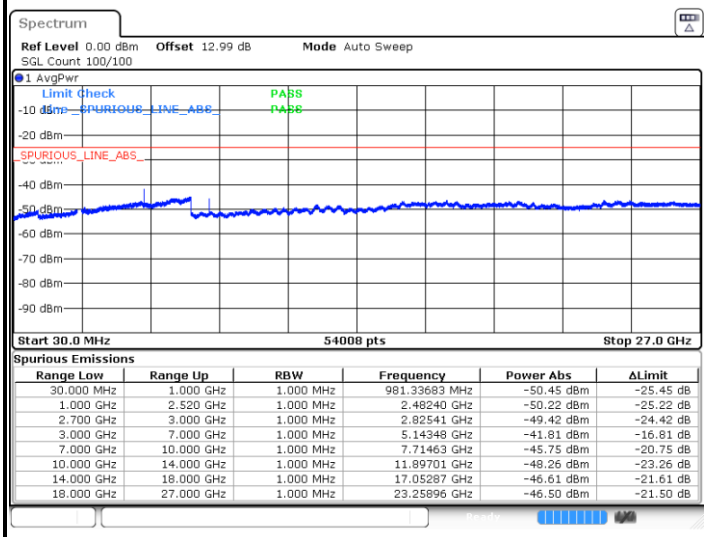

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 879.05297 MHz | -50.41 dBm | -25.41 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.47252 GHz | -50.18 dBm | -25.18 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.80187 GHz | -49.70 dBm | -24.70 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.18348 GHz | -43.35 dBm | -18.35 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.77462 GHz | -42.89 dBm | -17.89 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.94251 GHz | -48.20 dBm | -23.20 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.03437 GHz | -46.55 dBm | -21.55 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87465 GHz | -46.53 dBm | -21.53 dB |

Date: 21.JUN.2022 23:19:39

## FR1 n38 / 30MHz / DFT-S OFDM / QPSK

### Lowest Channel / 1RB1

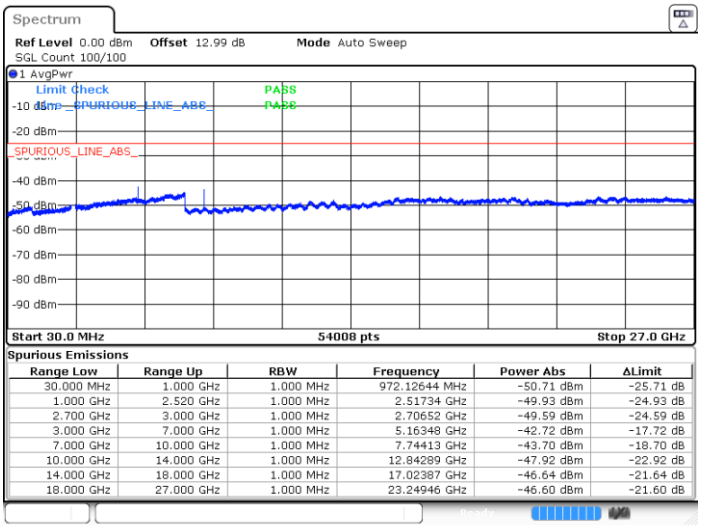



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 981.33683 MHz | -50.45 dBm | -25.45 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.48240 GHz | -50.22 dBm | -25.22 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.82541 GHz | -49.42 dBm | -24.42 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.14348 GHz | -41.81 dBm | -16.81 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.71463 GHz | -45.75 dBm | -20.75 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.89701 GHz | -48.26 dBm | -23.26 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.05287 GHz | -46.61 dBm | -21.61 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 23.25896 GHz | -46.50 dBm | -21.50 dB |

Date: 21.JUN.2022 23:06:05

### Middle Channel / 1RB1

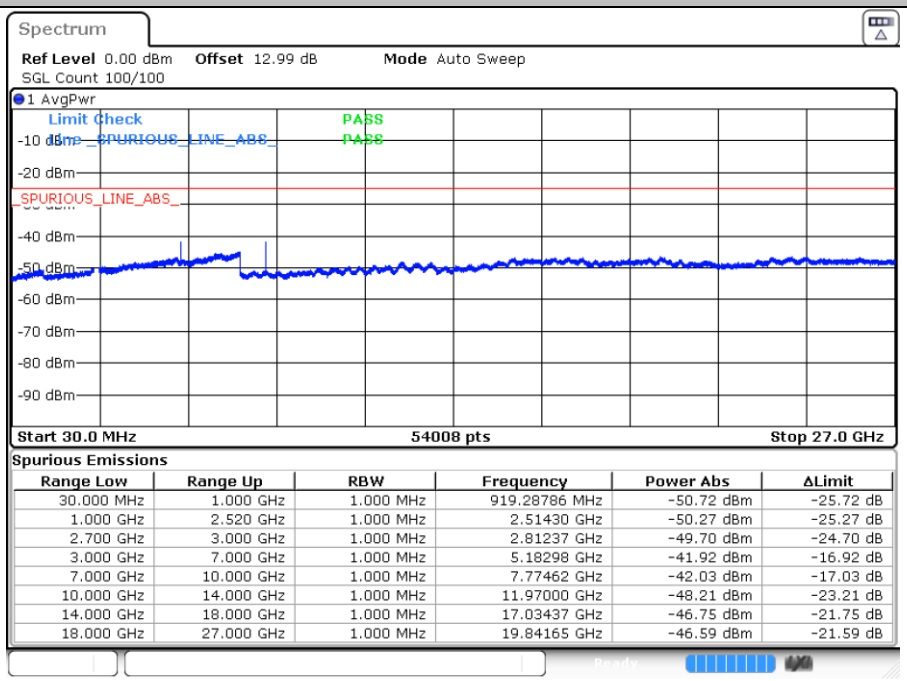



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 972.12644 MHz | -50.71 dBm | -25.71 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.51734 GHz | -49.93 dBm | -24.93 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.70652 GHz | -49.59 dBm | -24.59 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.16348 GHz | -42.72 dBm | -17.72 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.74413 GHz | -43.70 dBm | -18.70 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84289 GHz | -47.92 dBm | -22.92 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.02387 GHz | -46.64 dBm | -21.64 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 23.24946 GHz | -46.60 dBm | -21.60 dB |

Date: 21.JUN.2022 23:07:26

### Highest Channel / 1RB1



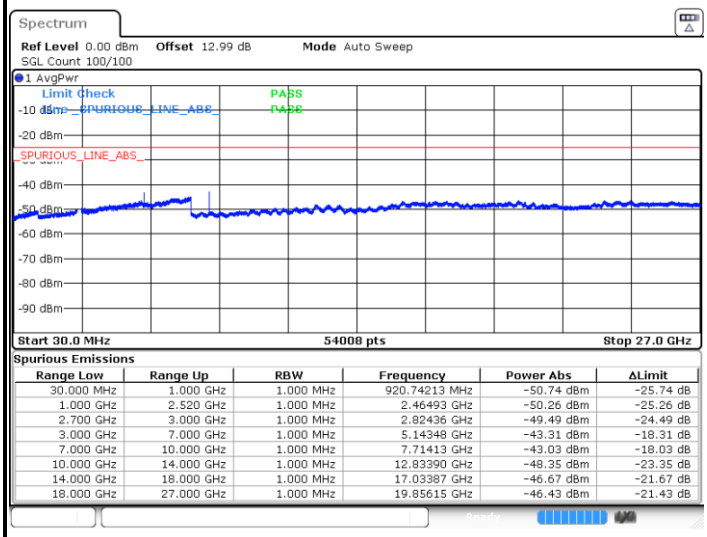

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 919.28786 MHz | -50.72 dBm | -25.72 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.51430 GHz | -50.27 dBm | -25.27 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.81237 GHz | -49.70 dBm | -24.70 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.18298 GHz | -41.92 dBm | -16.92 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.77462 GHz | -42.03 dBm | -17.03 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.97000 GHz | -48.21 dBm | -23.21 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.03437 GHz | -46.75 dBm | -21.75 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.84165 GHz | -46.59 dBm | -21.59 dB |

Date: 21.JUN.2022 23:21:02

## FR1 n38 / 40MHz / DFT-S OFDM / BPSK

### Lowest Channel / 1RB1

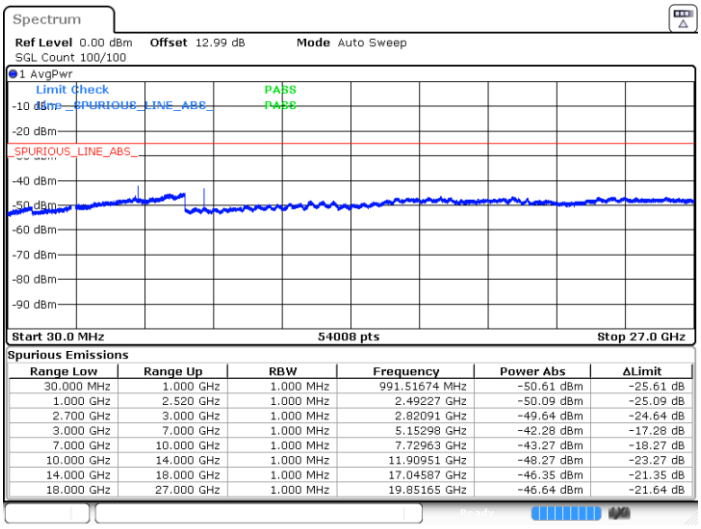



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 920.74213 MHz | -50.74 dBm | -25.74 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.46493 GHz | -50.26 dBm | -25.26 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.82436 GHz | -49.49 dBm | -24.49 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.14348 GHz | -43.31 dBm | -18.31 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.71413 GHz | -43.03 dBm | -18.03 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.83390 GHz | -48.35 dBm | -23.35 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.03387 GHz | -46.67 dBm | -21.67 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85615 GHz | -46.43 dBm | -21.43 dB |

Date: 21.JUN.2022 23:52:20

### Middle Channel / 1RB1

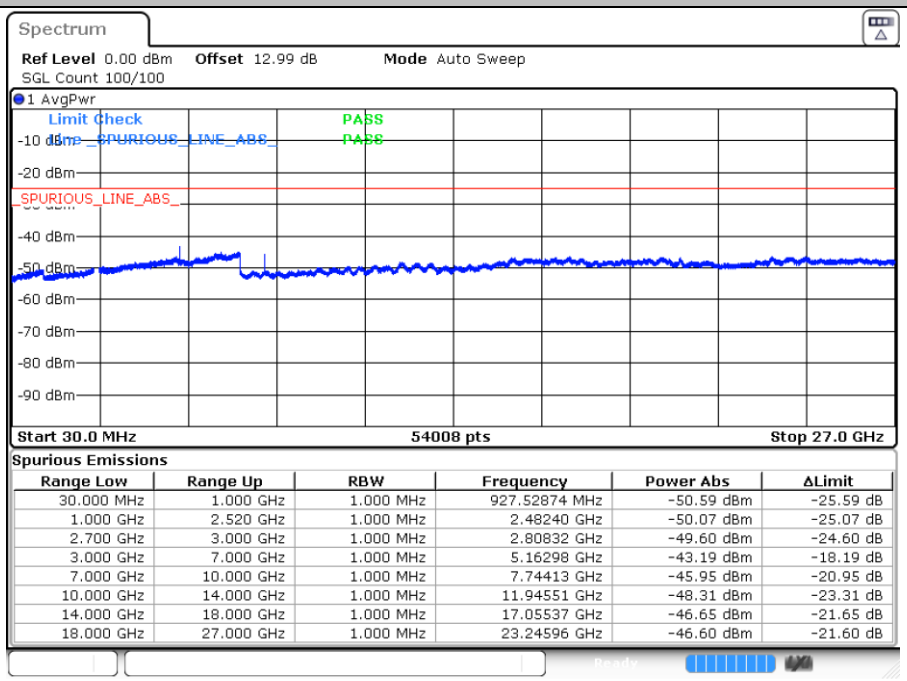



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 991.51674 MHz | -50.61 dBm | -25.61 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.49227 GHz | -50.09 dBm | -25.09 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.82091 GHz | -49.64 dBm | -24.64 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.15298 GHz | -42.28 dBm | -17.28 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.72963 GHz | -43.27 dBm | -18.27 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.90951 GHz | -48.27 dBm | -23.27 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.04587 GHz | -46.35 dBm | -21.35 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85165 GHz | -46.64 dBm | -21.64 dB |

Date: 21.JUN.2022 23:55:32

### Highest Channel / 1RB1



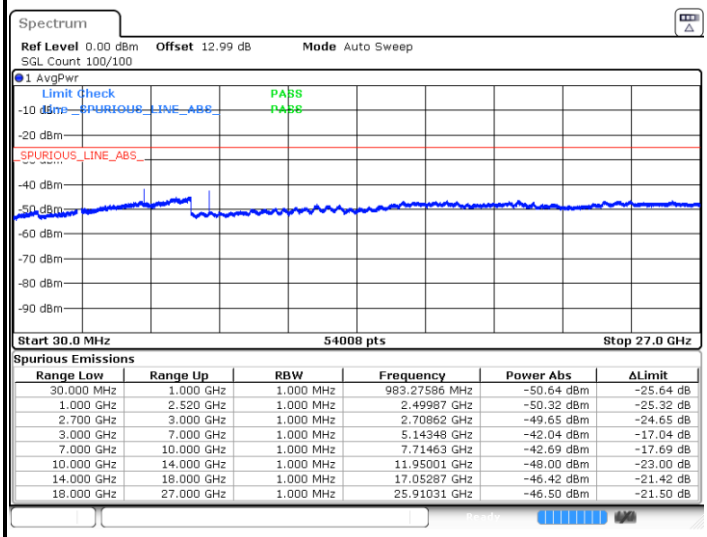

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 927.52874 MHz | -50.59 dBm | -25.59 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.48240 GHz | -50.07 dBm | -25.07 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.80832 GHz | -49.60 dBm | -24.60 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.16298 GHz | -43.19 dBm | -18.19 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.74413 GHz | -45.95 dBm | -20.95 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.94551 GHz | -48.31 dBm | -23.31 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.05537 GHz | -46.65 dBm | -21.65 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 23.24596 GHz | -46.60 dBm | -21.60 dB |

Date: 22.JUN.2022 00:11:33

## FR1 n38 / 40MHz / DFT-S OFDM / QPSK

### Lowest Channel / 1RB1

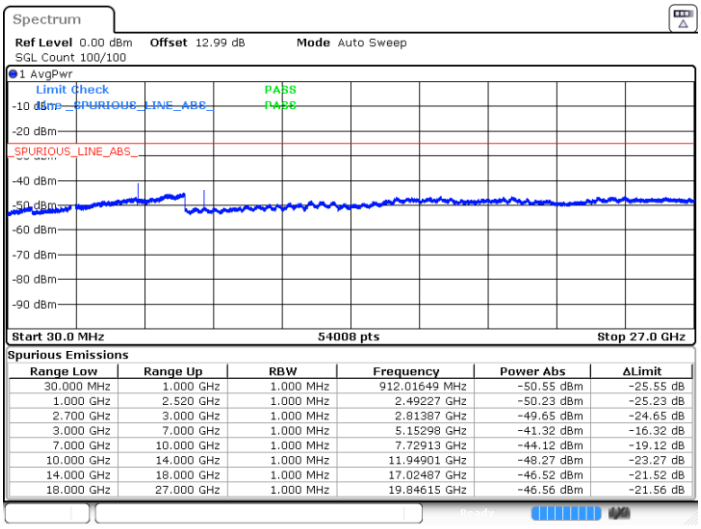



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 983.27586 MHz | -50.64 dBm | -25.64 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.49987 GHz | -50.32 dBm | -25.32 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.70862 GHz | -49.65 dBm | -24.65 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.14348 GHz | -42.04 dBm | -17.04 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.71463 GHz | -42.69 dBm | -17.69 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.95001 GHz | -48.00 dBm | -23.00 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.05287 GHz | -46.42 dBm | -21.42 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 25.91031 GHz | -46.50 dBm | -21.50 dB |

Date: 21.JUN.2022 23:53:10

### Middle Channel / 1RB1

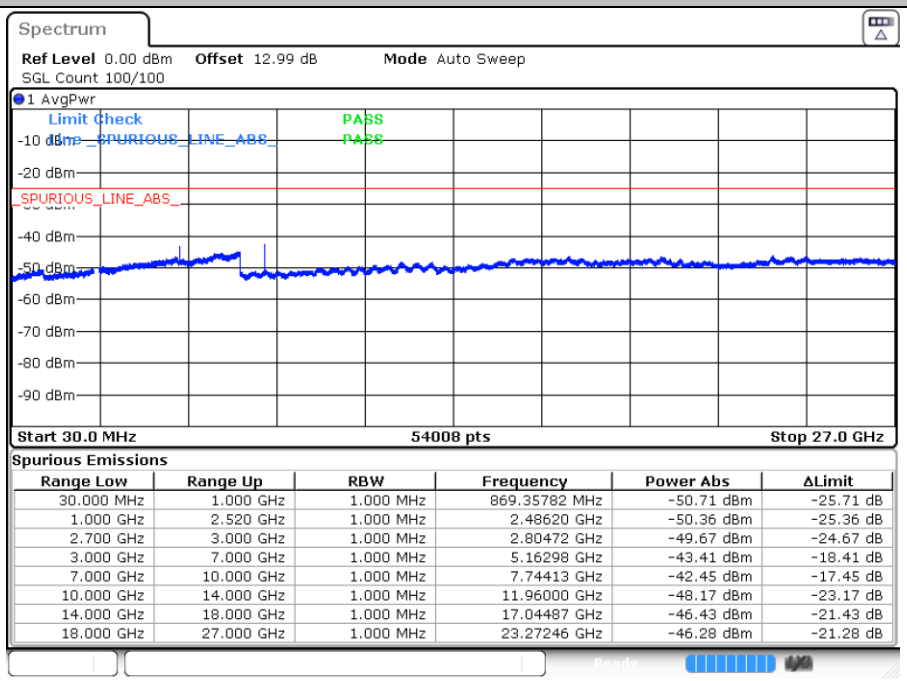



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 912.01649 MHz | -50.55 dBm | -25.55 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.49227 GHz | -50.23 dBm | -25.23 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.81387 GHz | -49.65 dBm | -24.65 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.15298 GHz | -41.32 dBm | -16.32 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.72913 GHz | -44.12 dBm | -19.12 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.94901 GHz | -48.27 dBm | -23.27 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.02487 GHz | -46.52 dBm | -21.52 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.84615 GHz | -46.56 dBm | -21.56 dB |

Date: 21.JUN.2022 23:54:17

### Highest Channel / 1RB1




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 869.35782 MHz | -50.71 dBm | -25.71 dB |
| 1.000 GHz | 2.520 GHz | 1.000 MHz | 2.48620 GHz | -50.36 dBm | -25.36 dB |
| 2.700 GHz | 3.000 GHz | 1.000 MHz | 2.80472 GHz | -49.67 dBm | -24.67 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.16298 GHz | -43.41 dBm | -18.41 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.74413 GHz | -42.45 dBm | -17.45 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.96000 GHz | -48.17 dBm | -23.17 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.04487 GHz | -46.43 dBm | -21.43 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 23.27246 GHz | -46.28 dBm | -21.28 dB |

Date: 22.JUN.2022 00:12:26

# Frequency Stability

| Test Conditions | | FR1 n78 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 100MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0013 | PASS |
| 40 | Normal Voltage | 0.0026 | |
| 30 | Normal Voltage | 0.0034 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0024 | |
| 0 | Normal Voltage | 0.0017 | |
| -10 | Normal Voltage | 0.0035 | |
| -20 | Normal Voltage | 0.0009 | |
| -30 | Normal Voltage | 0.0023 | |
| 20 | Maximum Voltage | 0.0018 | |
| 20 | Normal Voltage | 0.0031 | |
| 20 | Battery End Point | 0.0038 | |

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

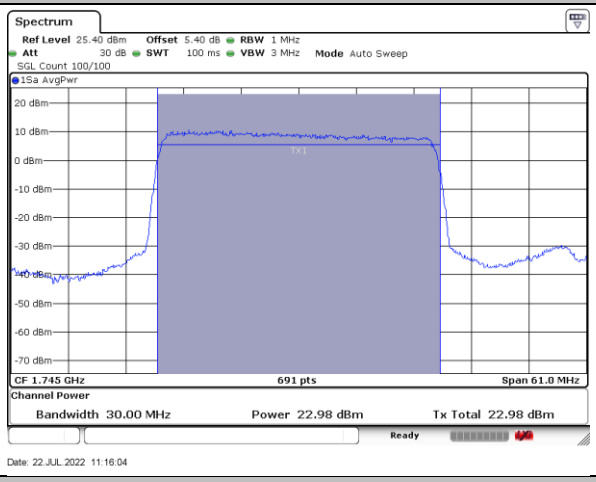
# FR1 12A-n66

## Peak-to-Average Ratio

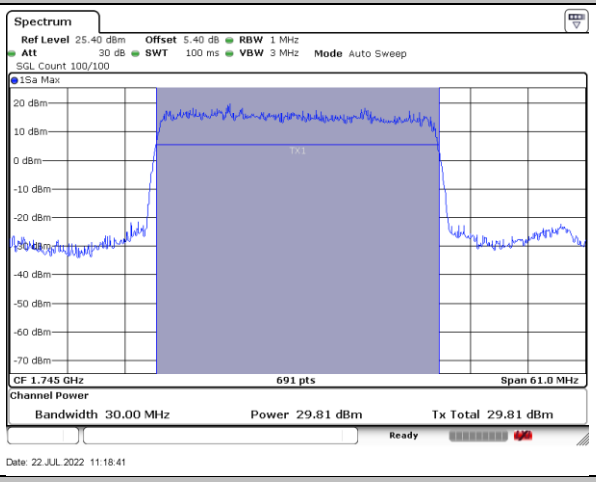
| Mode | FR1 n66 / 20MHz / DFT-S OFDM | | |
|---|---|---|---|
| Mod. | PI/2 BPSK | QPSK | Limit: 13dB |
| RB Size | Full RB | Full RB | Result |
| Middle CH | 6.83 | 6.62 | PASS |

**FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB**

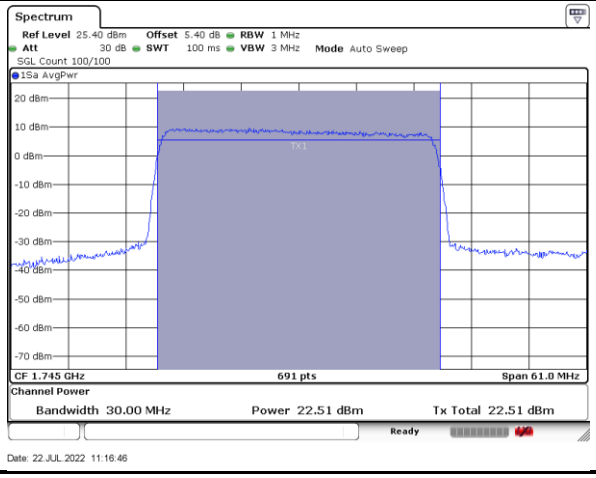
**PI/2 BPSK-A**



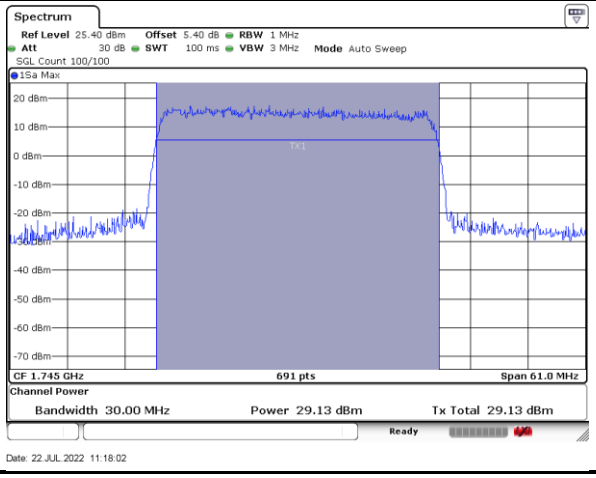

**PI/2 BPSK-P**




**QPSK-A**




**QPSK-P**

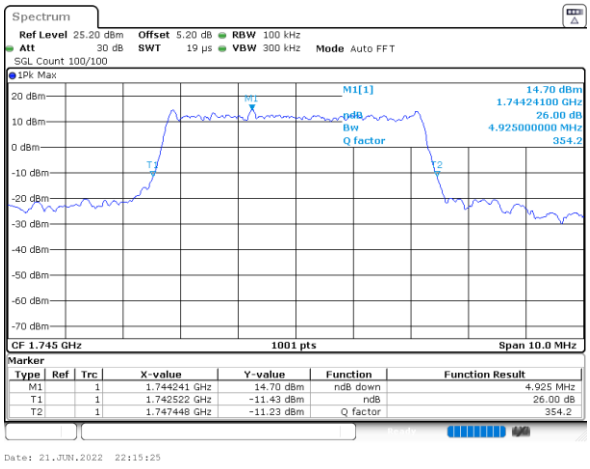


# 26dB Bandwidth

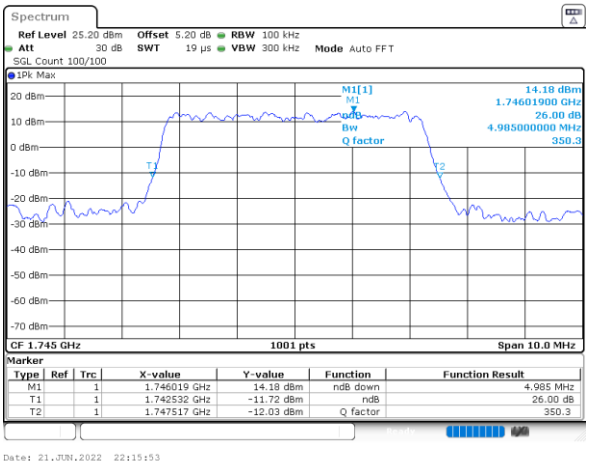
| Mode | FR1 n66 : 26dBW (MHz) / CP OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 5M | | | | 10M | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | QPSK | 16QAM | 64QAM | 256QAM |
| Middle CH | 4.93 | 4.99 | 4.98 | 4.91 | 10.05 | 9.99 | 10.17 | 10.15 |
| BW | 15M | | | | 20M | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | QPSK | 16QAM | 64QAM | 256QAM |
| Middle CH | 14.99 | 14.93 | 15.02 | 14.93 | 21.14 | 21.30 | 21.78 | 21.02 |
| BW | 30M | | | | | | | |
| Mod. | QPSK | | 16QAM | | 64QAM | | 256QAM | |
| Middle CH | 29.69 | | 29.57 | | 29.53 | | 29.53 | |

## FR1 n66 / 5MHz / CP OFDM

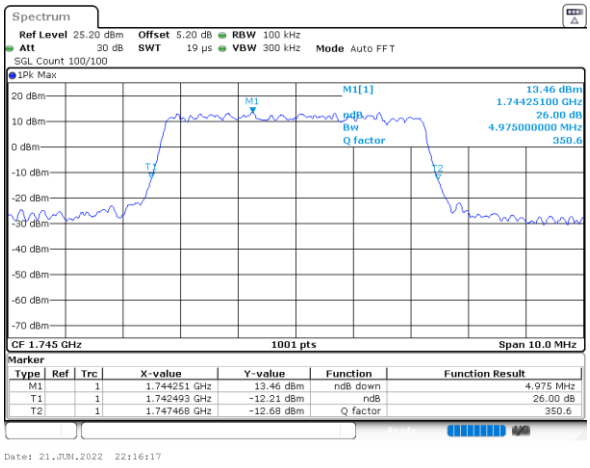
### QPSK



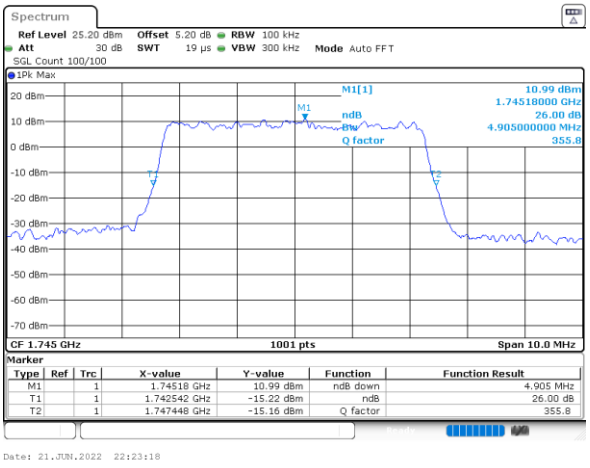

### 16QAM




### 64QAM

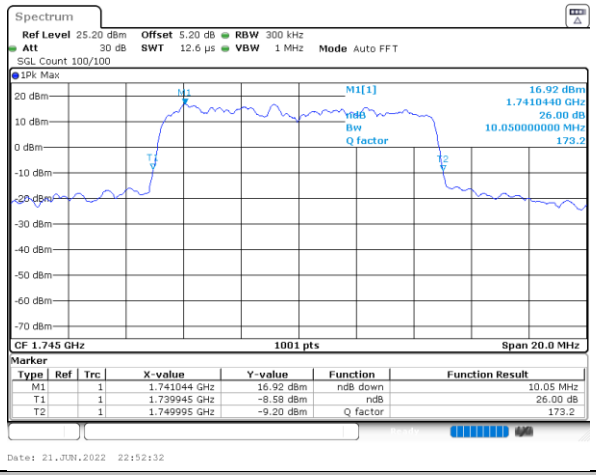



### 256QAM

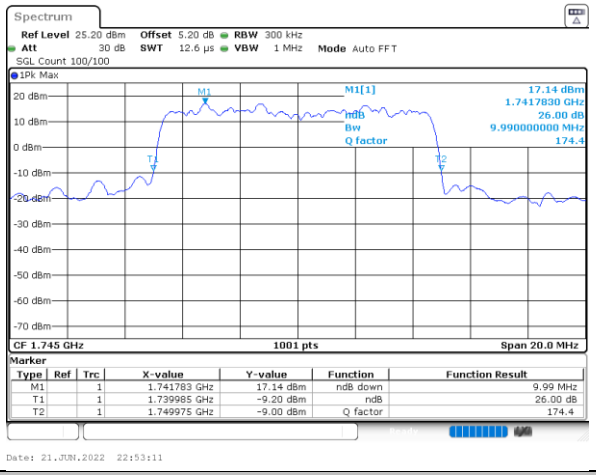


## FR1 n66 / 10MHz / CP OFDM

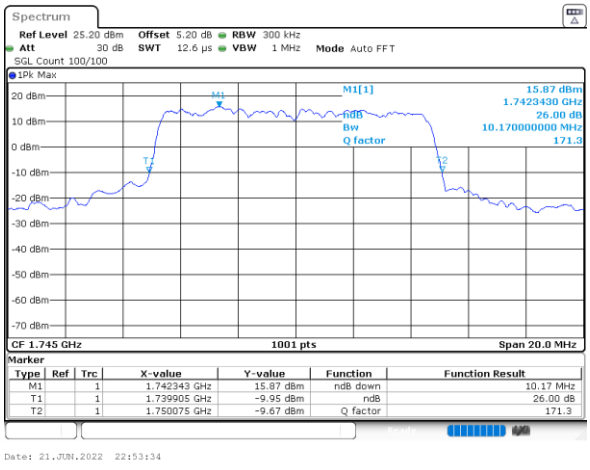
### QPSK



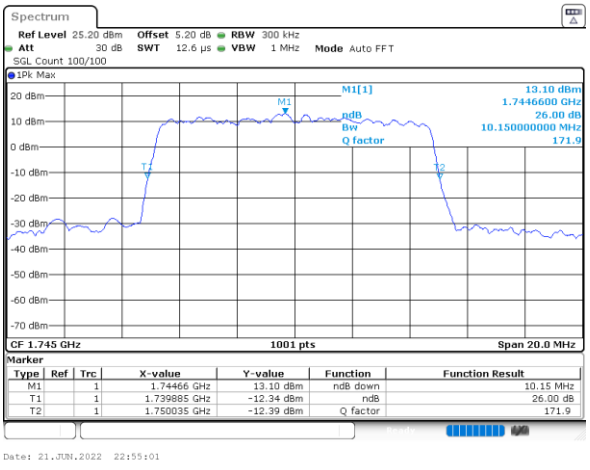

### 16QAM




### 64QAM

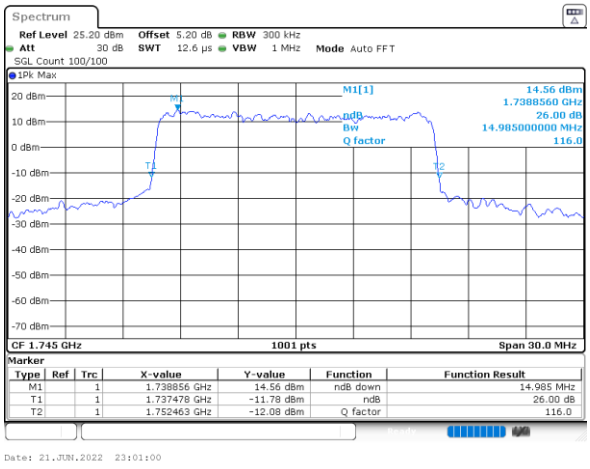



### 256QAM

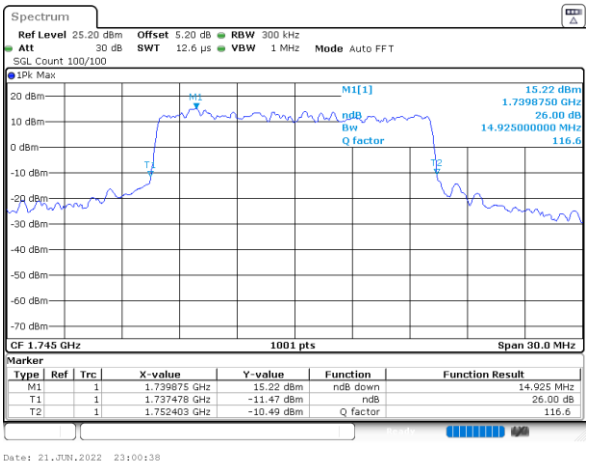


## FR1 n66 / 15MHz / CP OFDM

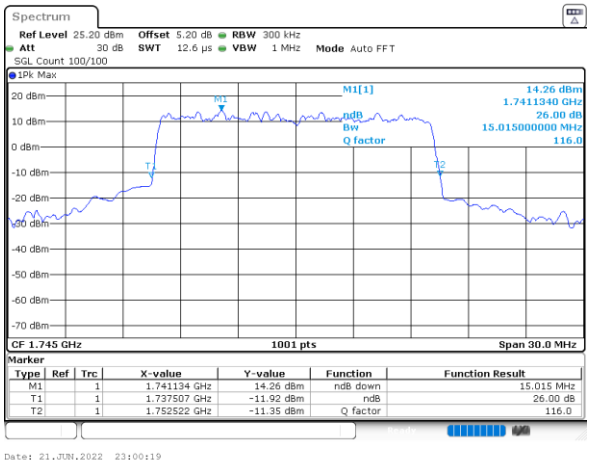
### QPSK



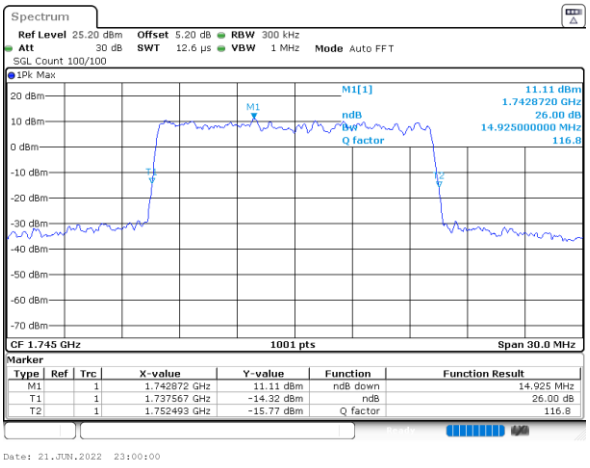

### 16QAM




### 64QAM

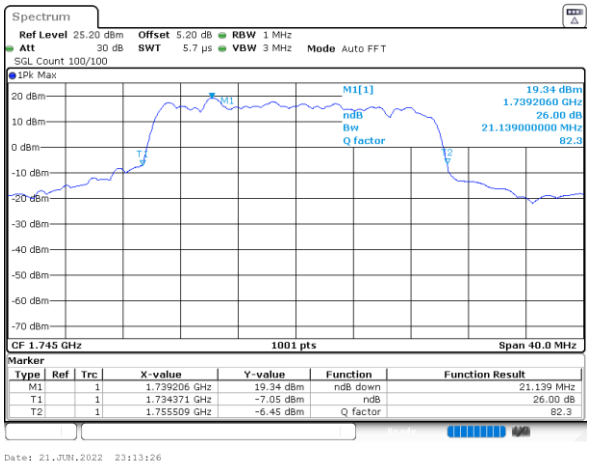



### 256QAM

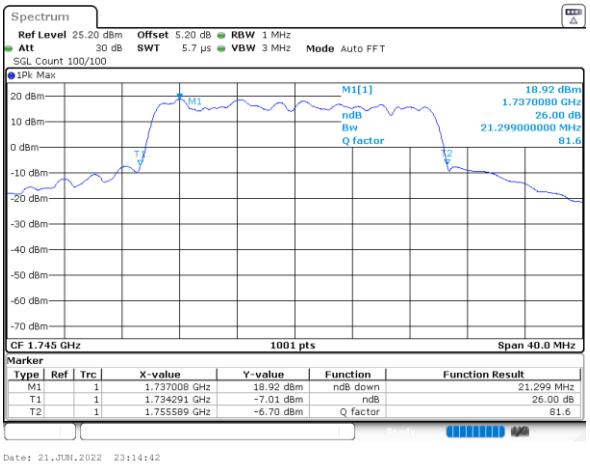


## FR1 n66 / 20MHz / CP OFDM

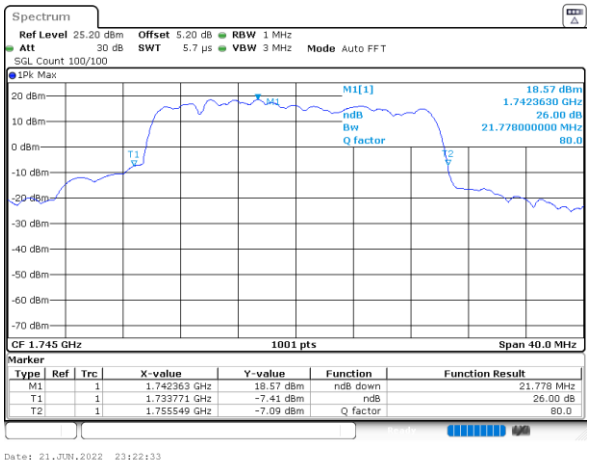
### QPSK



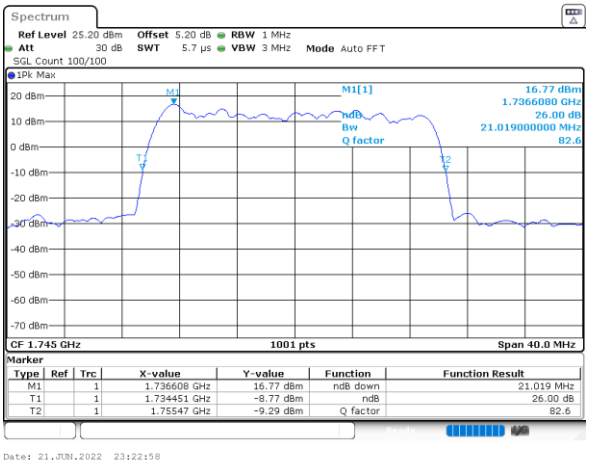

### 16QAM




### 64QAM

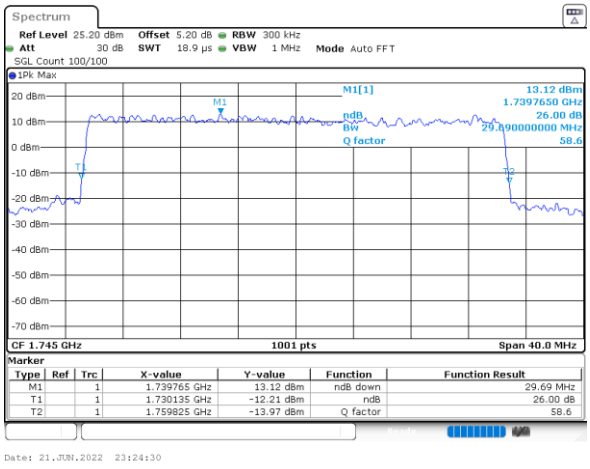



### 256QAM

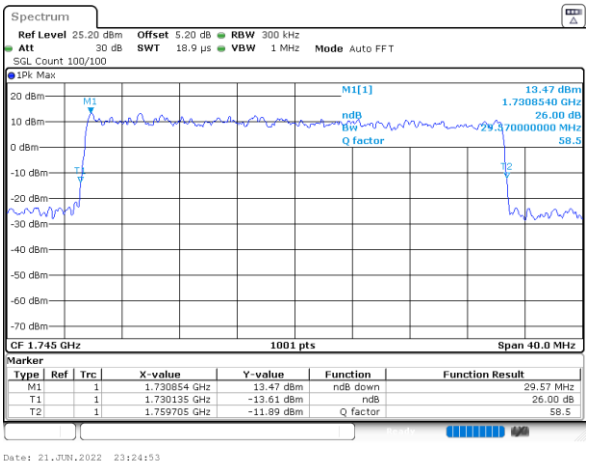


## FR1 n66 / 30MHz / CP OFDM

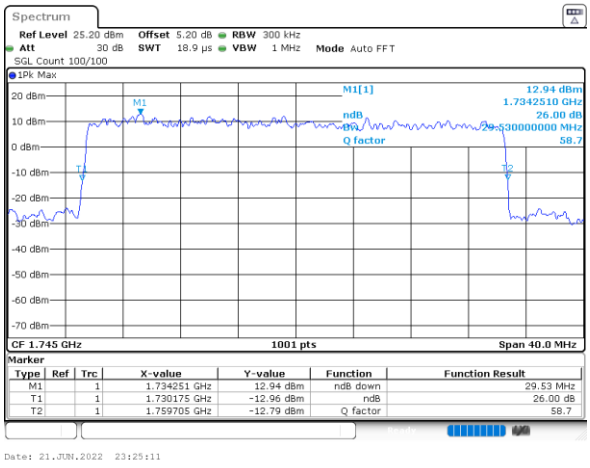
### QPSK



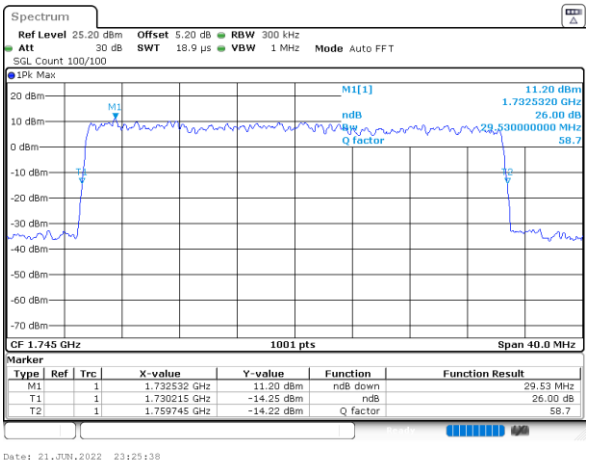

### 16QAM




### 64QAM




### 256QAM

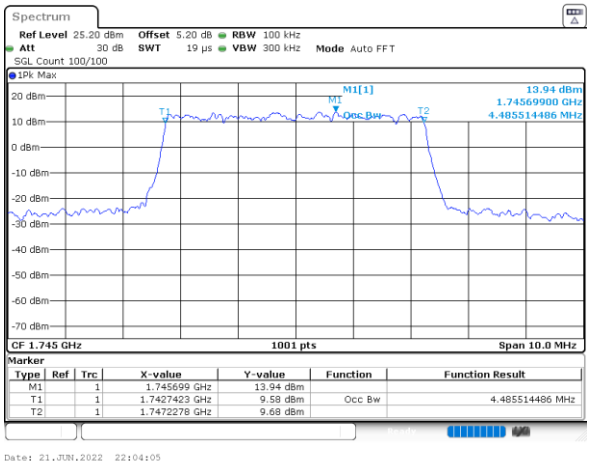


# Occupied Bandwidth

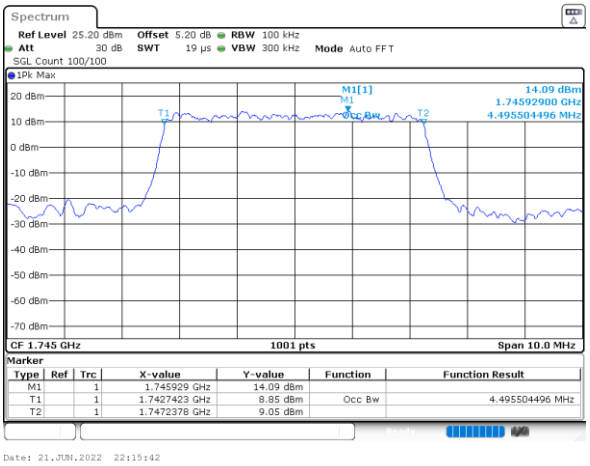
| Mode | FR1 n66 : OBW (MHz) / CP OFDM | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 5M | | | | 10M | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | QPSK | 16QAM | 64QAM | 256QAM |
| Middle CH | 4.49 | 4.50 | 4.51 | 4.48 | 9.39 | 9.39 | 9.39 | 9.39 |
| BW | 15M | | | | 20M | | | |
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | QPSK | 16QAM | 64QAM | 256QAM |
| Middle CH | 14.12 | 14.12 | 14.12 | 14.21 | 19.30 | 19.38 | 19.50 | 19.30 |
| BW | 30M | | | | | | | |
| Mod. | QPSK | | 16QAM | | 64QAM | | 256QAM | |
| Middle CH | 28.57 | | 28.57 | | 28.53 | | 28.53 | |

## FR1 n66 / 5MHz / CP OFDM

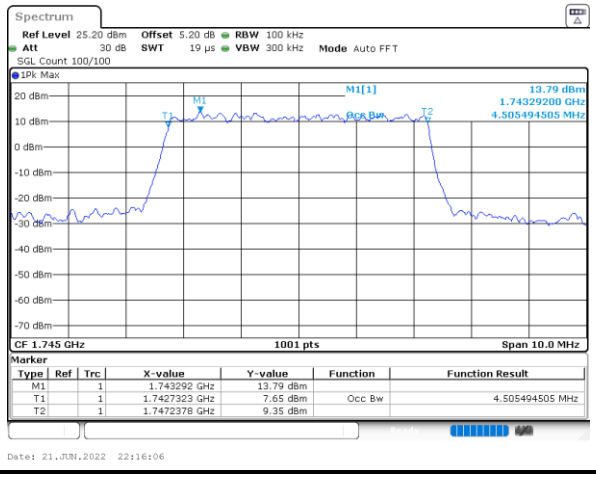
### QPSK



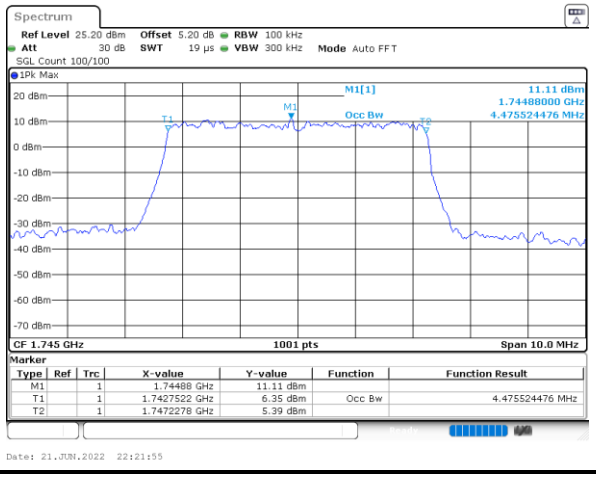

### 16QAM




### 64QAM

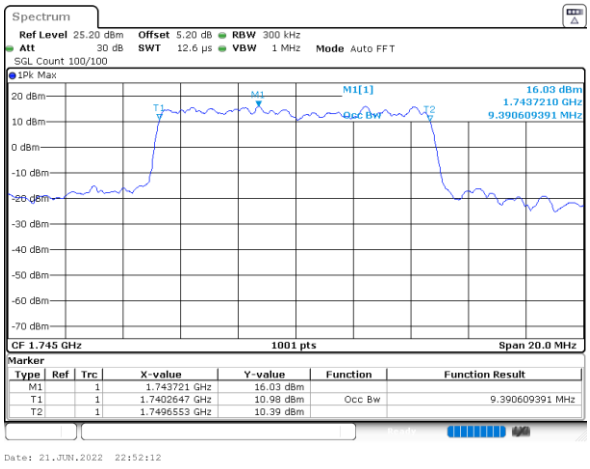



### 256QAM

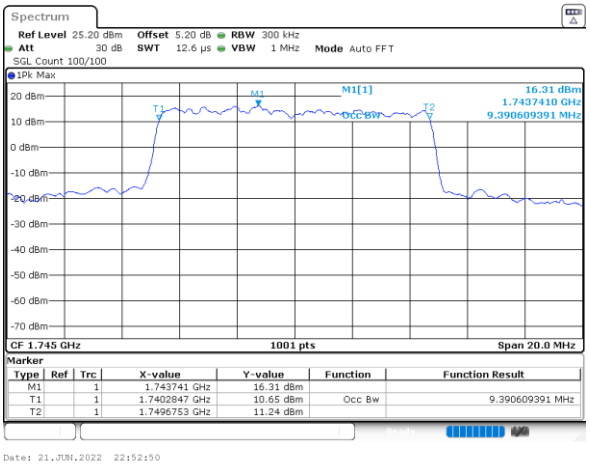


## FR1 n66 / 10MHz / CP OFDM

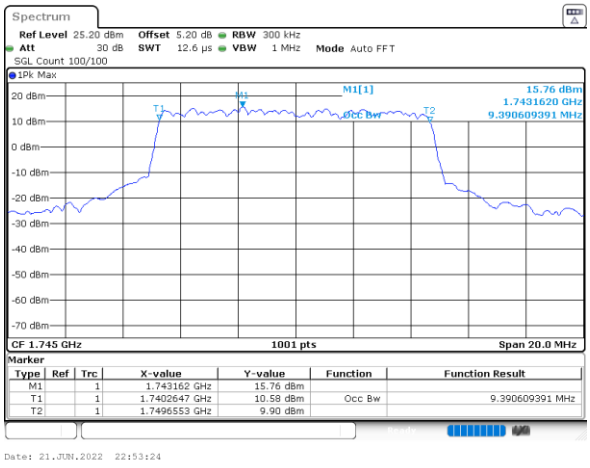
### QPSK



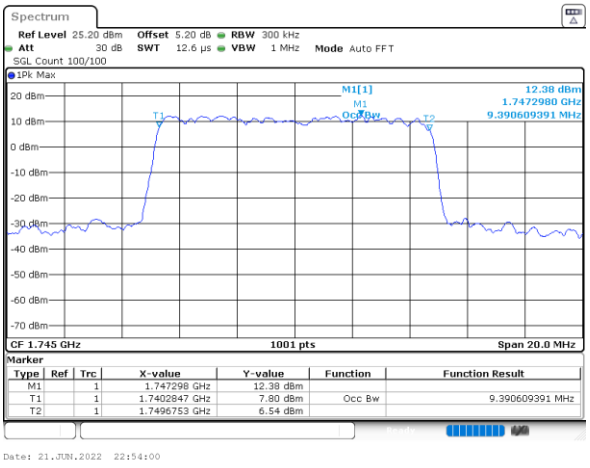

### 16QAM




### 64QAM

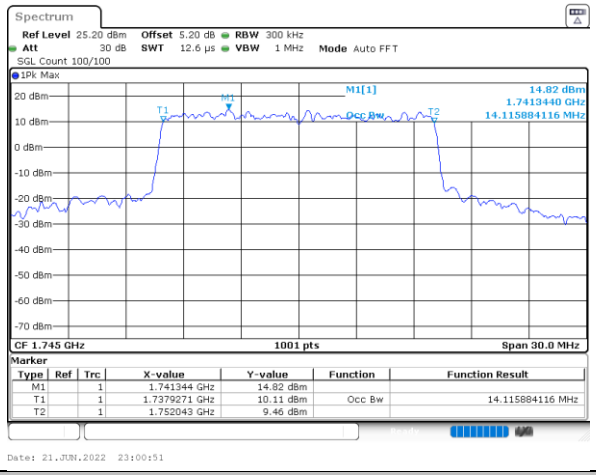



### 256QAM

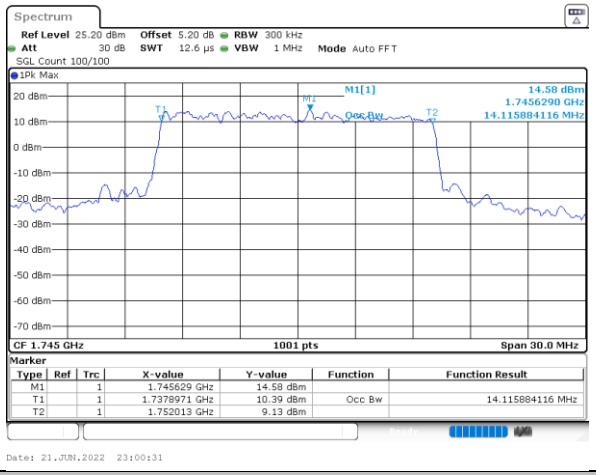


## FR1 n66 / 15MHz / CP OFDM

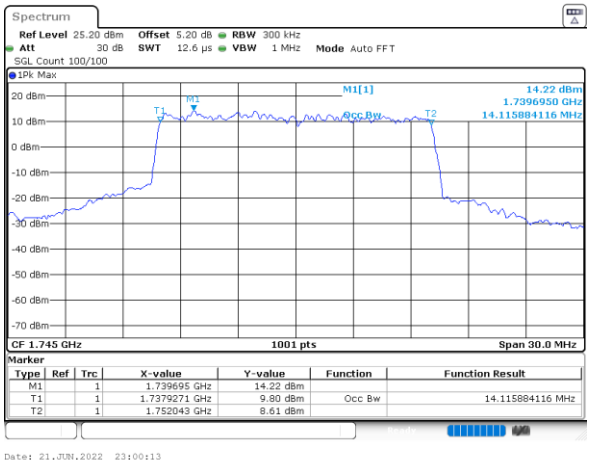
### QPSK



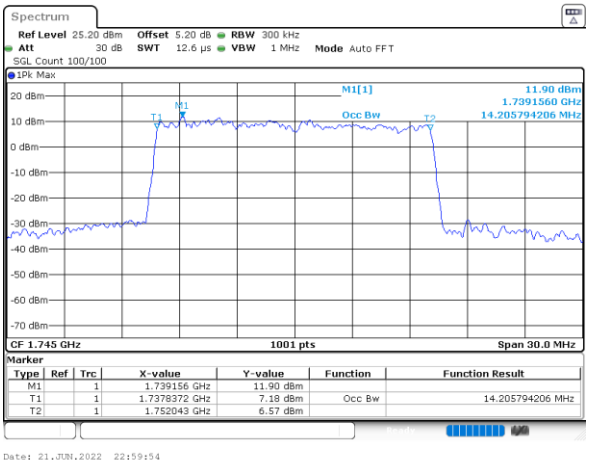

### 16QAM




### 64QAM

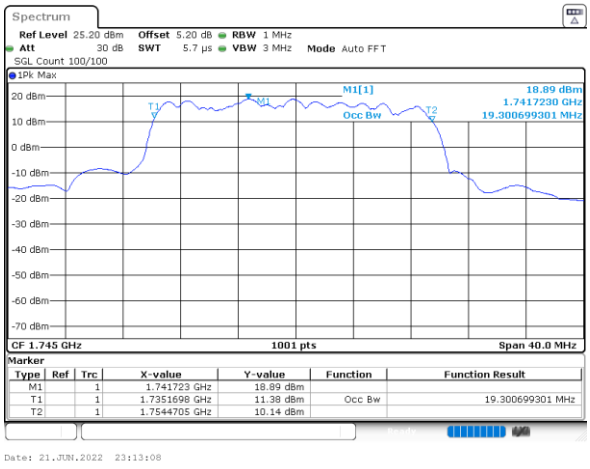



### 256QAM

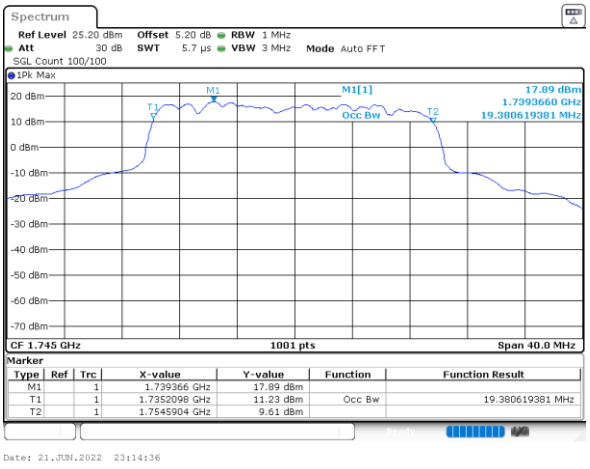


## FR1 n66 / 20MHz / CP OFDM

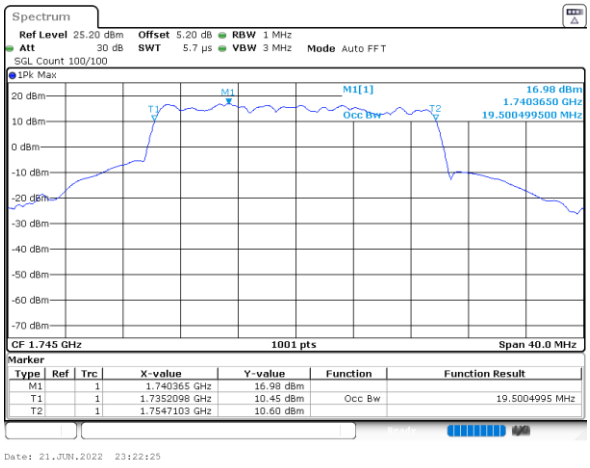
### QPSK



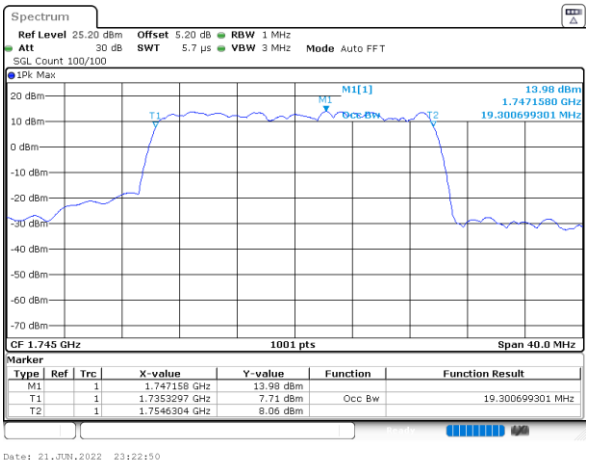

### 16QAM




### 64QAM

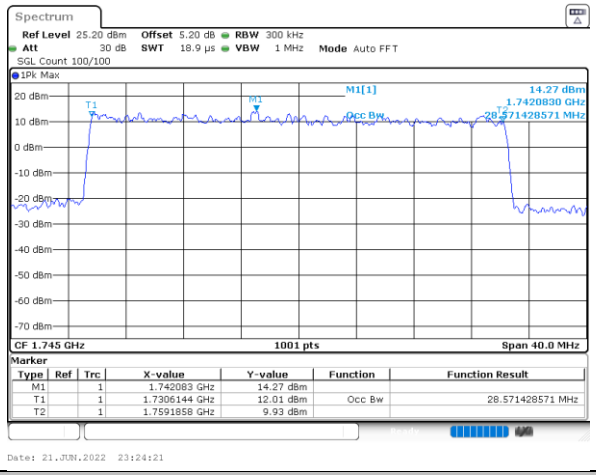



### 256QAM

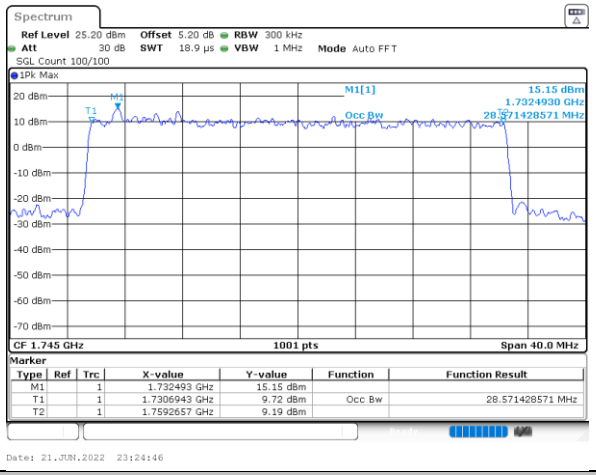


## FR1 n66 / 30MHz / CP OFDM

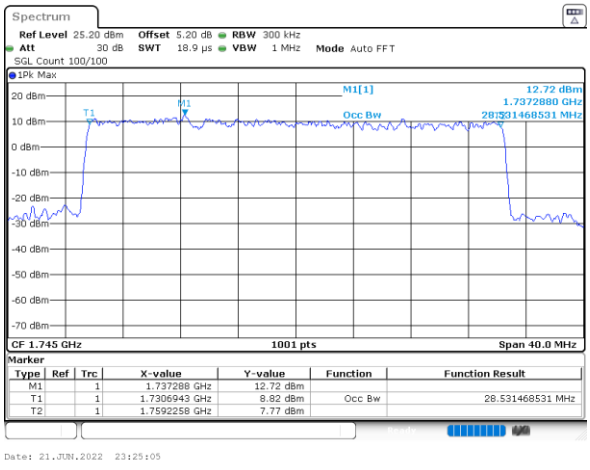
### QPSK



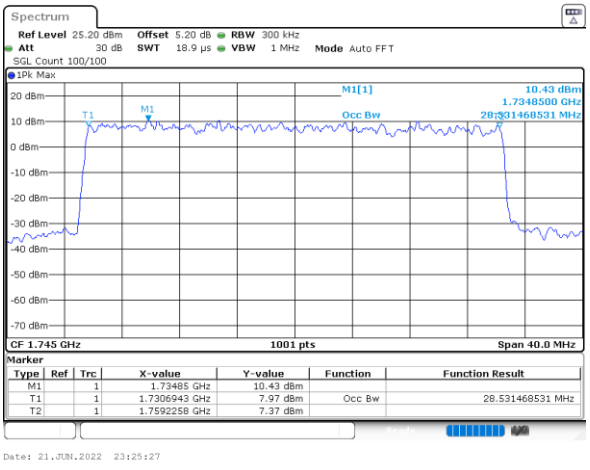

### 16QAM




### 64QAM



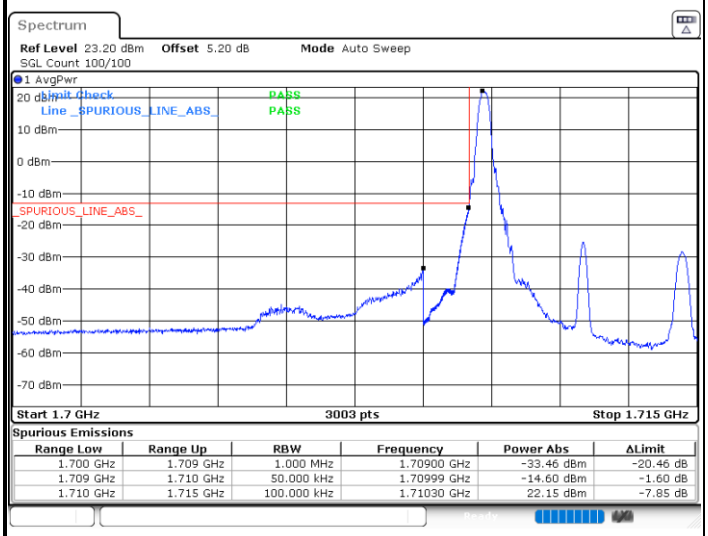

### 256QAM



# Conducted Band Edge

## FR1 n66 / 5MHz / DFT-S OFDM / PI/2 BPSK

### Lowest Band Edge / 1RB0

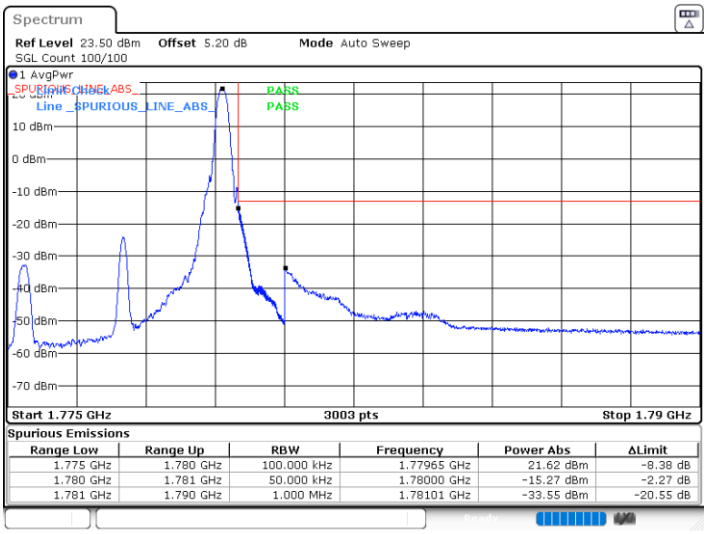



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70900 GHz | -33.46 dBm | -20.46 dB |
| 1.709 GHz | 1.710 GHz | 50.000 kHz | 1.70999 GHz | -14.60 dBm | -1.60 dB |
| 1.710 GHz | 1.715 GHz | 100.000 kHz | 1.71030 GHz | 22.15 dBm | -7.85 dB |

Date: 21.JUN.2022 22:39:40

### Highest Band Edge / 1RBmax

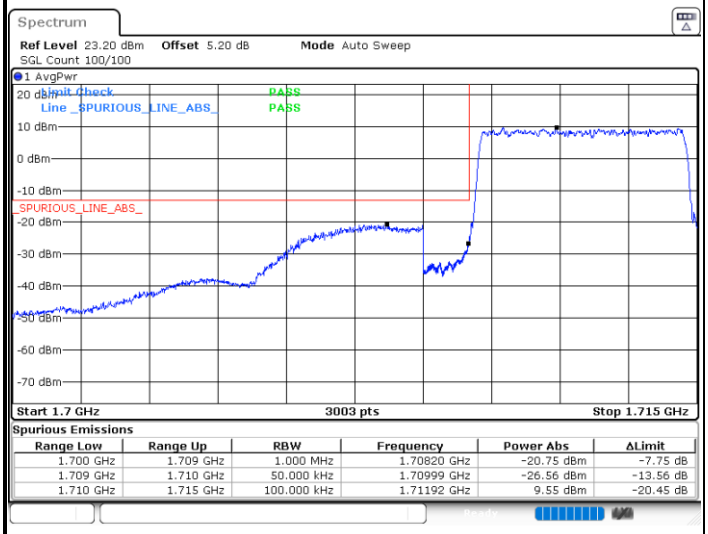



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.775 GHz | 1.780 GHz | 100.000 kHz | 1.77965 GHz | 21.62 dBm | -8.38 dB |
| 1.780 GHz | 1.781 GHz | 50.000 kHz | 1.78000 GHz | -15.27 dBm | -2.27 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78101 GHz | -33.55 dBm | -20.55 dB |

Date: 21.JUN.2022 22:46:52

### Lowest Band Edge / Full RB

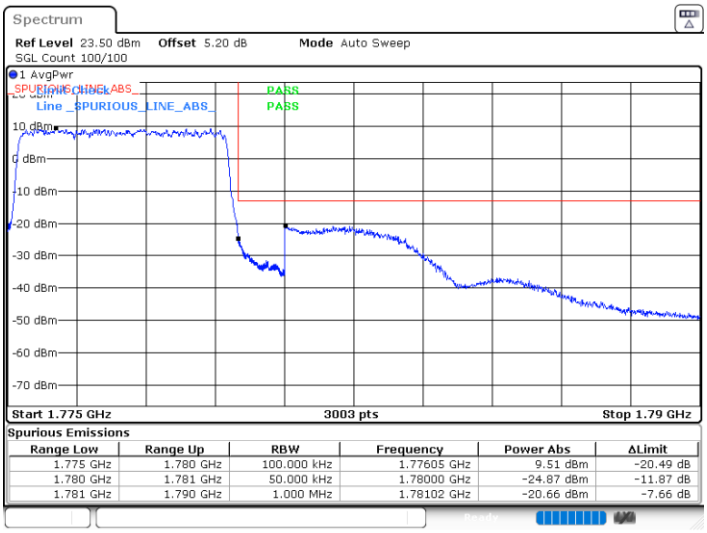



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70820 GHz | -20.75 dBm | -7.75 dB |
| 1.709 GHz | 1.710 GHz | 50.000 kHz | 1.70999 GHz | -26.56 dBm | -13.56 dB |
| 1.710 GHz | 1.715 GHz | 100.000 kHz | 1.71192 GHz | 9.55 dBm | -20.45 dB |

Date: 21.JUN.2022 22:40:34

### Highest Band Edge / Full RB



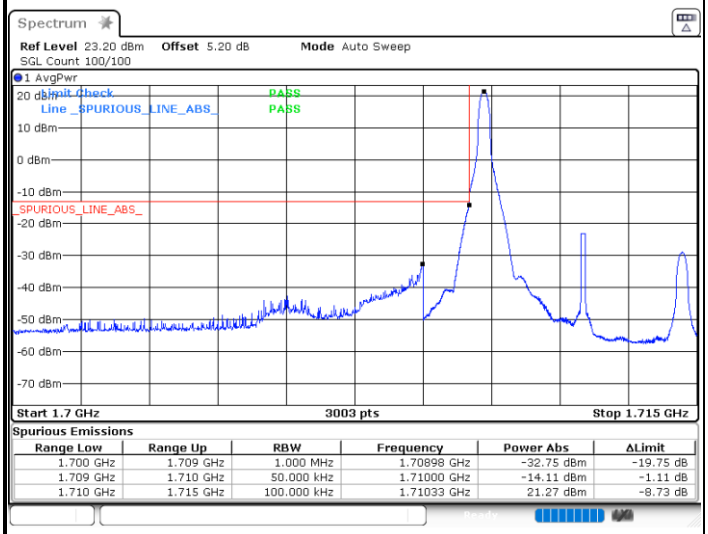

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.775 GHz | 1.780 GHz | 100.000 kHz | 1.77605 GHz | 9.51 dBm | -20.49 dB |
| 1.780 GHz | 1.781 GHz | 50.000 kHz | 1.78000 GHz | -24.87 dBm | -11.87 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78102 GHz | -20.66 dBm | -7.66 dB |

Date: 21.JUN.2022 22:48:12

## FR1 n66 / 5MHz / DFT-S OFDM / QPSK

### Lowest Band Edge / 1RB0

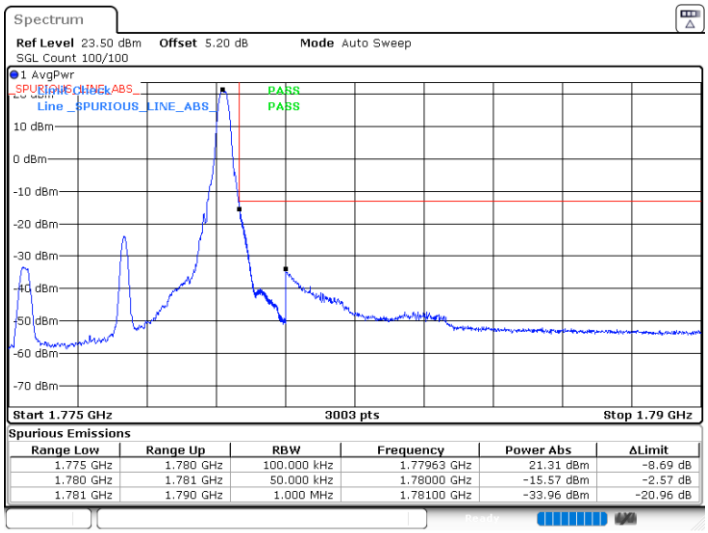



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70898 GHz | -32.75 dBm | -19.75 dB |
| 1.709 GHz | 1.710 GHz | 50.000 kHz | 1.71000 GHz | -14.11 dBm | -1.11 dB |
| 1.710 GHz | 1.715 GHz | 100.000 kHz | 1.71033 GHz | 21.27 dBm | -8.73 dB |

Date: 21.JUN.2022 22:38:56

### Highest Band Edge / 1RBmax

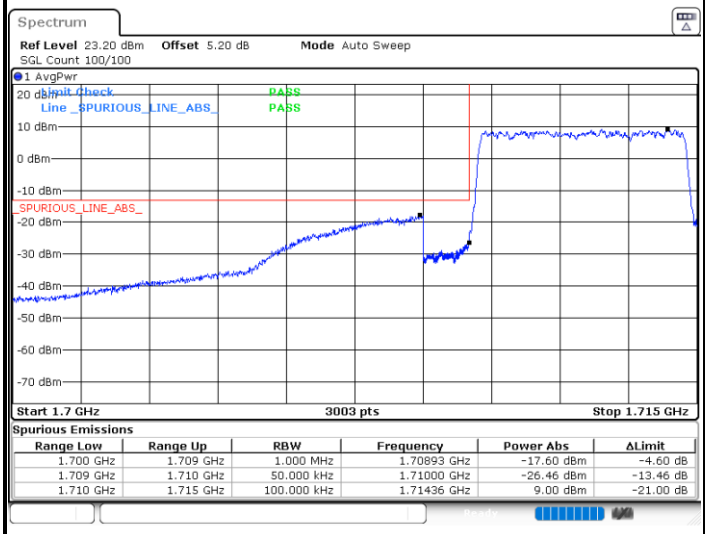



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.775 GHz | 1.780 GHz | 100.000 kHz | 1.77963 GHz | 21.31 dBm | -8.69 dB |
| 1.780 GHz | 1.781 GHz | 50.000 kHz | 1.78000 GHz | -15.57 dBm | -2.57 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78100 GHz | -33.96 dBm | -20.96 dB |

Date: 21.JUN.2022 22:47:14

### Lowest Band Edge / Full RB

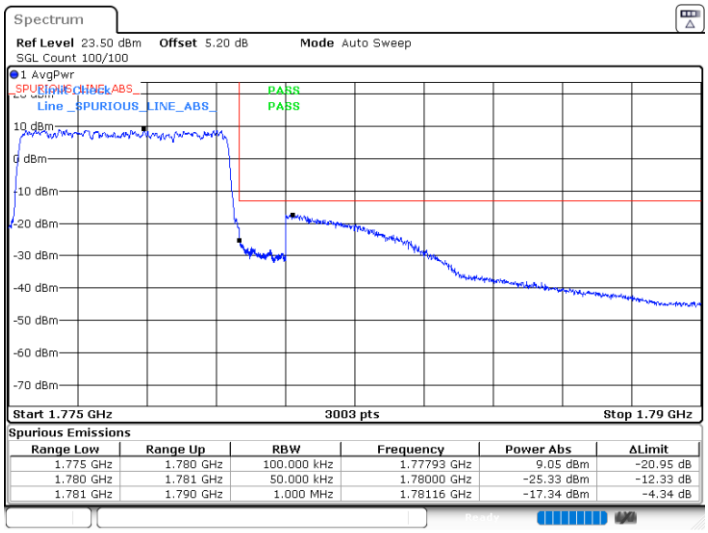



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70893 GHz | -17.60 dBm | -4.60 dB |
| 1.709 GHz | 1.710 GHz | 50.000 kHz | 1.71000 GHz | -26.46 dBm | -13.46 dB |
| 1.710 GHz | 1.715 GHz | 100.000 kHz | 1.71436 GHz | 9.00 dBm | -21.00 dB |

Date: 21.JUN.2022 22:41:20

### Highest Band Edge / Full RB



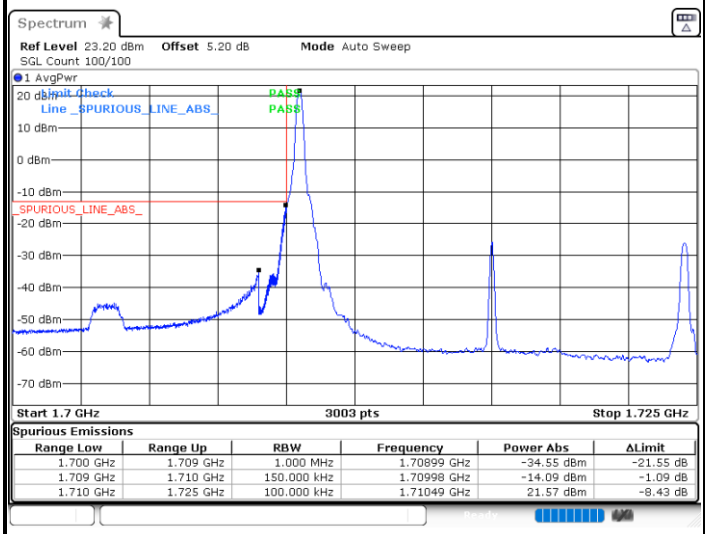

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.775 GHz | 1.780 GHz | 100.000 kHz | 1.77793 GHz | 9.05 dBm | -20.95 dB |
| 1.780 GHz | 1.781 GHz | 50.000 kHz | 1.78000 GHz | -25.33 dBm | -12.33 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78116 GHz | -17.34 dBm | -4.34 dB |

Date: 21.JUN.2022 22:47:40

## FR1 n66 / 15MHz / DFT-s-OFDM / PI/2 BPSK

### Lowest Band Edge / 1RB0

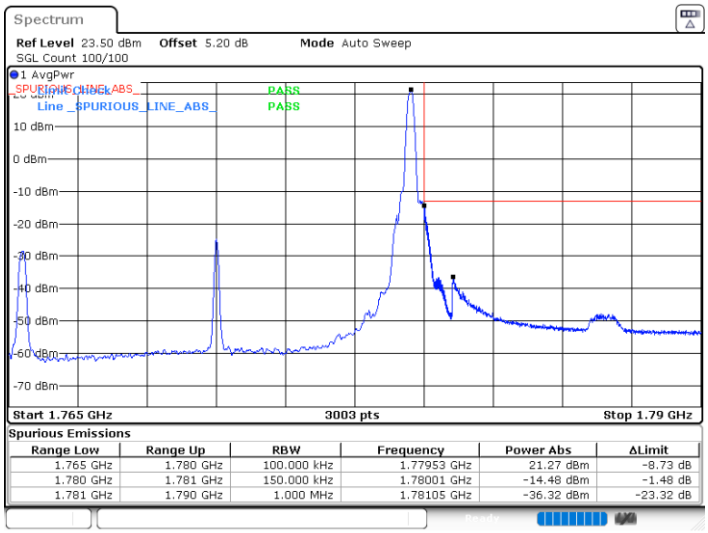



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70899 GHz | -34.55 dBm | -21.55 dB |
| 1.709 GHz | 1.710 GHz | 150.000 kHz | 1.70998 GHz | -14.09 dBm | -1.09 dB |
| 1.710 GHz | 1.725 GHz | 100.000 kHz | 1.71049 GHz | 21.57 dBm | -8.43 dB |

Date: 21.JUN.2022 23:02:08

### Highest Band Edge / 1RBmax

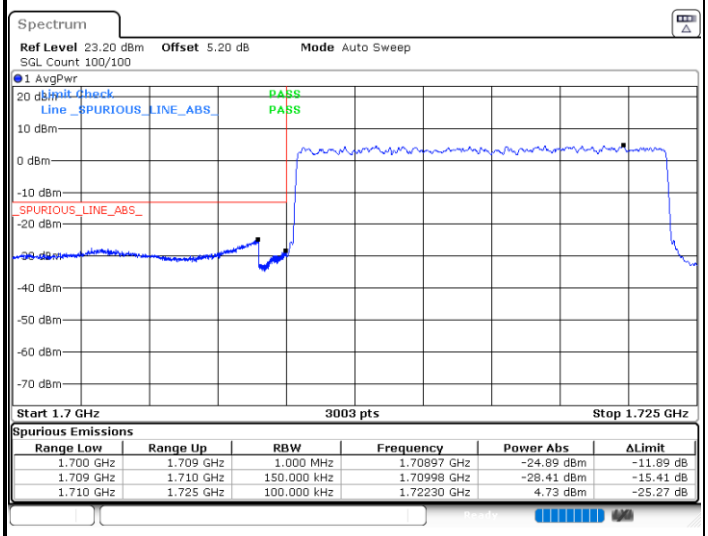



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.765 GHz | 1.780 GHz | 100.000 kHz | 1.77953 GHz | 21.27 dBm | -8.73 dB |
| 1.780 GHz | 1.781 GHz | 150.000 kHz | 1.78001 GHz | -14.48 dBm | -1.48 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78105 GHz | -36.32 dBm | -23.32 dB |

Date: 21.JUN.2022 23:11:12

### Lowest Band Edge / Full RB

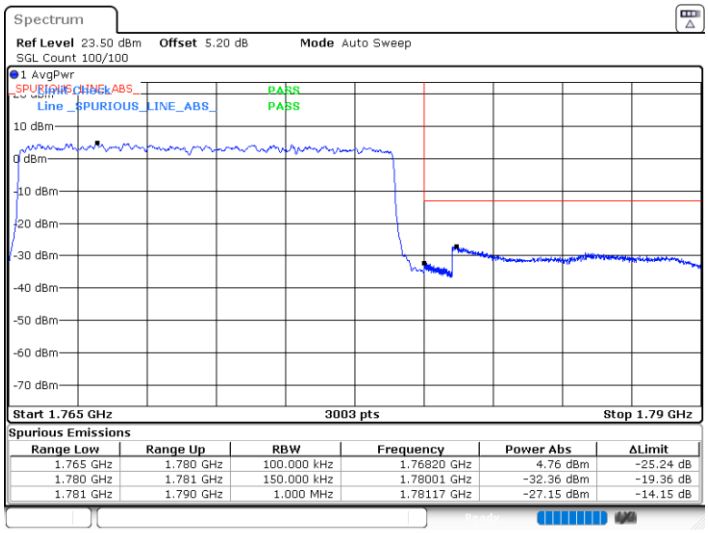



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70897 GHz | -24.89 dBm | -11.89 dB |
| 1.709 GHz | 1.710 GHz | 150.000 kHz | 1.70998 GHz | -28.41 dBm | -15.41 dB |
| 1.710 GHz | 1.725 GHz | 100.000 kHz | 1.72230 GHz | 4.73 dBm | -25.27 dB |

Date: 21.JUN.2022 23:04:03

### Highest Band Edge / Full RB



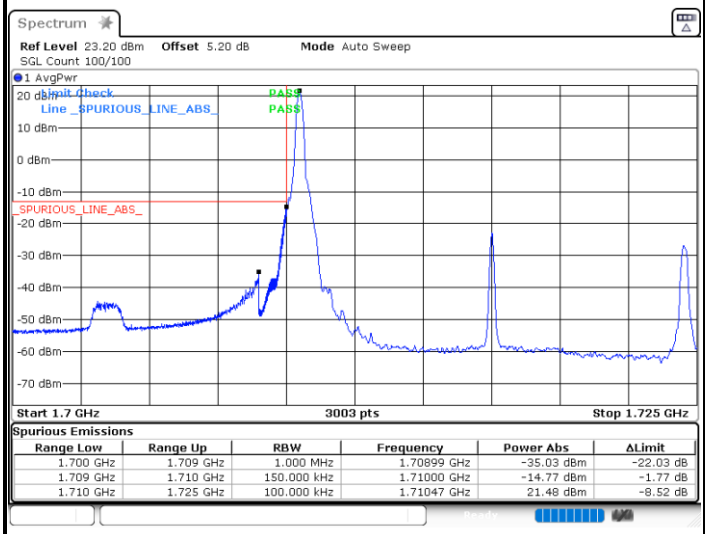

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.765 GHz | 1.780 GHz | 100.000 kHz | 1.76820 GHz | 4.76 dBm | -25.24 dB |
| 1.780 GHz | 1.781 GHz | 150.000 kHz | 1.78001 GHz | -32.36 dBm | -19.36 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78117 GHz | -27.15 dBm | -14.15 dB |

Date: 21.JUN.2022 23:12:05

## FR1 n66 / 15MHz / DFT-s-OFDM / QPSK

### Lowest Band Edge / 1RB0

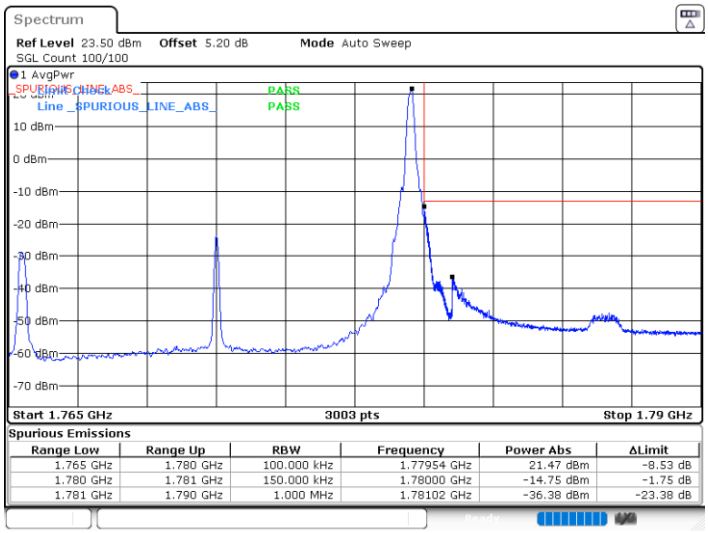



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70899 GHz | -35.03 dBm | -22.03 dB |
| 1.709 GHz | 1.710 GHz | 150.000 kHz | 1.71000 GHz | -14.77 dBm | -1.77 dB |
| 1.710 GHz | 1.725 GHz | 100.000 kHz | 1.71047 GHz | 21.48 dBm | -8.52 dB |

Date: 21.JUN.2022 23:02:34

### Highest Band Edge / 1RBmax

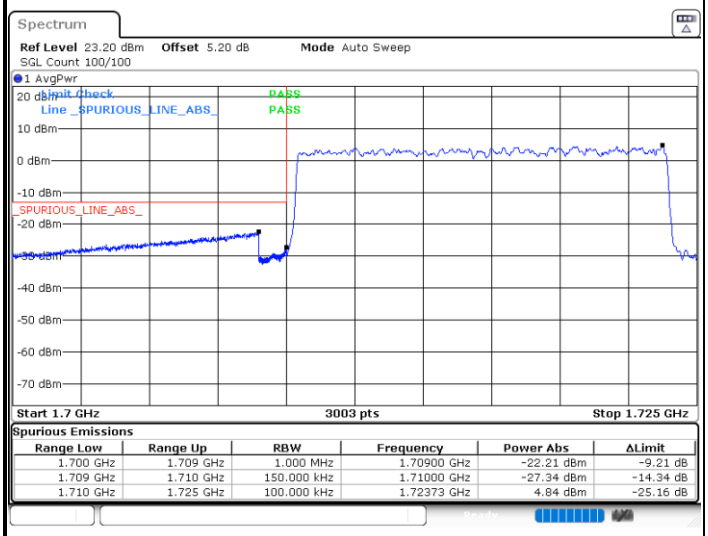



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.765 GHz | 1.780 GHz | 100.000 kHz | 1.77954 GHz | 21.47 dBm | -8.53 dB |
| 1.780 GHz | 1.781 GHz | 150.000 kHz | 1.78000 GHz | -14.75 dBm | -1.75 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78102 GHz | -36.38 dBm | -23.38 dB |

Date: 21.JUN.2022 23:11:27

### Lowest Band Edge / Full RB

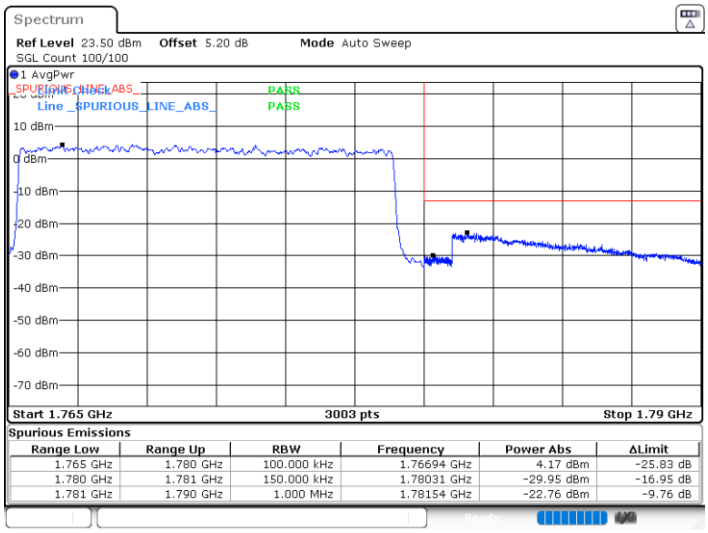



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70900 GHz | -22.21 dBm | -9.21 dB |
| 1.709 GHz | 1.710 GHz | 150.000 kHz | 1.71000 GHz | -27.34 dBm | -14.34 dB |
| 1.710 GHz | 1.725 GHz | 100.000 kHz | 1.72373 GHz | 4.84 dBm | -25.16 dB |

Date: 21.JUN.2022 23:04:19

### Highest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.765 GHz | 1.780 GHz | 100.000 kHz | 1.76694 GHz | 4.17 dBm | -25.83 dB |
| 1.780 GHz | 1.781 GHz | 150.000 kHz | 1.78031 GHz | -29.95 dBm | -16.95 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78154 GHz | -22.76 dBm | -9.76 dB |

Date: 21.JUN.2022 23:11:48