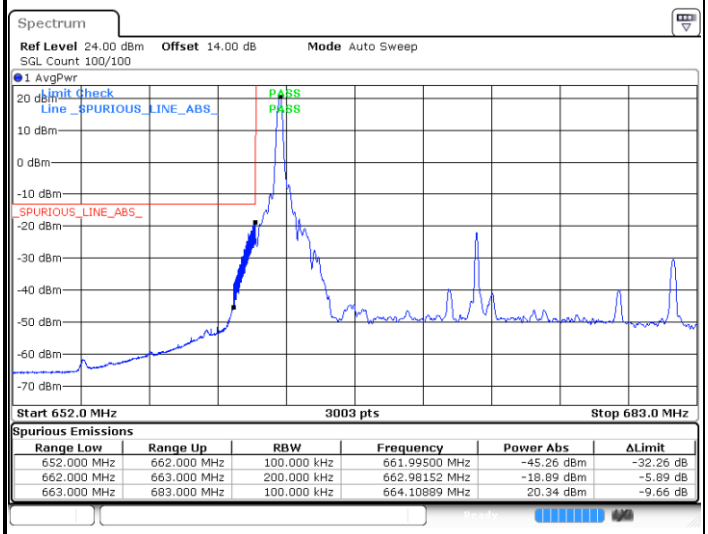
## LTE Band 71 / 20MHz / 16QAM

### Lowest Band Edge /1 RB

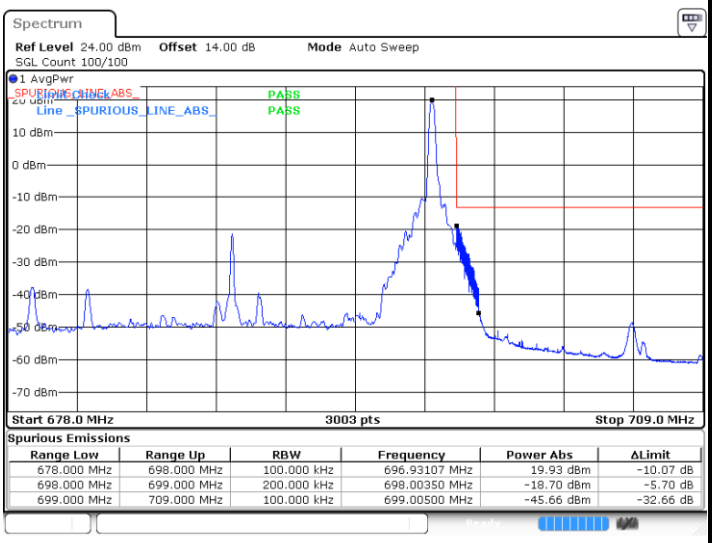



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 652.000 MHz | 662.000 MHz | 100.000 kHz | 661.99500 MHz | -45.26 dBm | -32.26 dB |
| 662.000 MHz | 663.000 MHz | 200.000 kHz | 662.98152 MHz | -18.89 dBm | -5.89 dB |
| 663.000 MHz | 683.000 MHz | 100.000 kHz | 664.10889 MHz | 20.34 dBm | -9.66 dB |

Date: 10.MAY.2023 20:07:55

### Highest Band Edge / 1RB

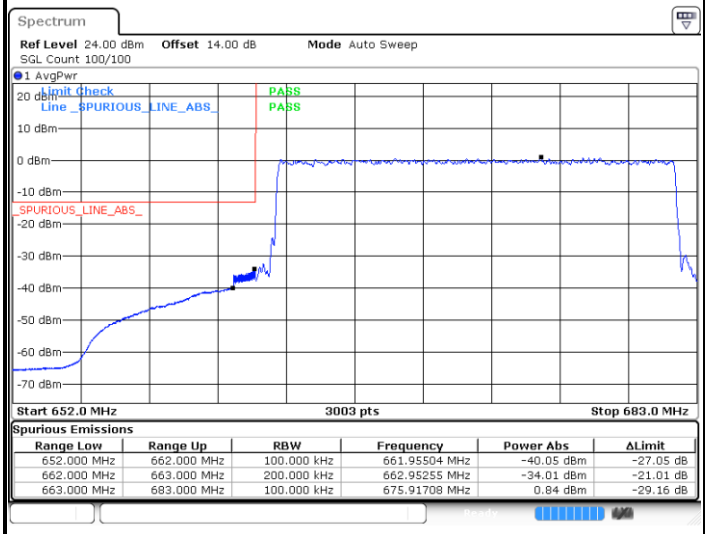



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 678.000 MHz | 698.000 MHz | 100.000 kHz | 696.93107 MHz | 19.93 dBm | -10.07 dB |
| 698.000 MHz | 699.000 MHz | 200.000 kHz | 698.00350 MHz | -18.70 dBm | -5.70 dB |
| 699.000 MHz | 709.000 MHz | 100.000 kHz | 699.00500 MHz | -45.66 dBm | -32.66 dB |

Date: 10.MAY.2023 20:21:37

### Lowest Band Edge / Full RB

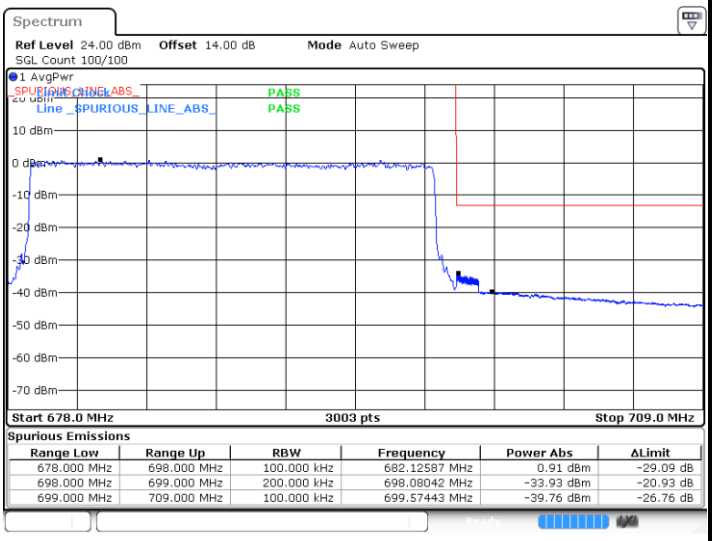



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 652.000 MHz | 662.000 MHz | 100.000 kHz | 661.95504 MHz | -40.05 dBm | -27.05 dB |
| 662.000 MHz | 663.000 MHz | 200.000 kHz | 662.95255 MHz | -34.01 dBm | -21.01 dB |
| 663.000 MHz | 683.000 MHz | 100.000 kHz | 675.91708 MHz | 0.84 dBm | -29.16 dB |

Date: 10.MAY.2023 20:10:09

### Highest Band Edge / Full RB




Spurious Emissions

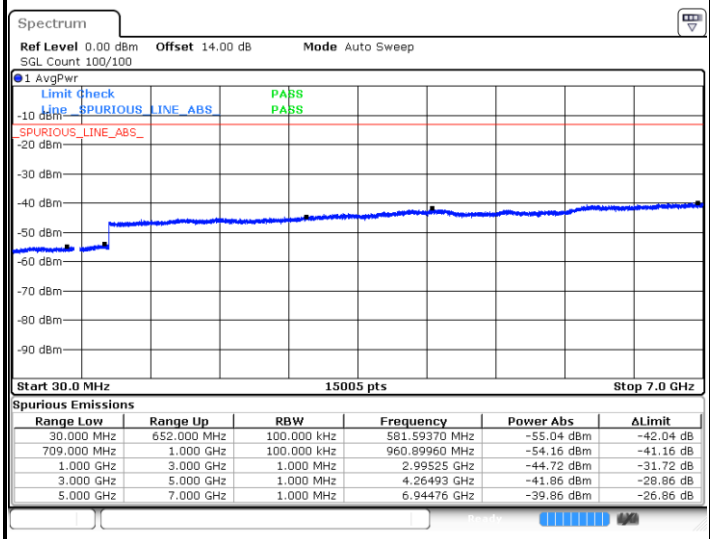
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 678.000 MHz | 698.000 MHz | 100.000 kHz | 682.12587 MHz | 0.91 dBm | -29.09 dB |
| 698.000 MHz | 699.000 MHz | 200.000 kHz | 698.08042 MHz | -33.93 dBm | -20.93 dB |
| 699.000 MHz | 709.000 MHz | 100.000 kHz | 699.57443 MHz | -39.76 dBm | -26.76 dB |

Date: 10.MAY.2023 20:22:43

# Conducted Spurious Emission

## LTE Band 71 / 5MHz

### Lowest Channel / QPSK

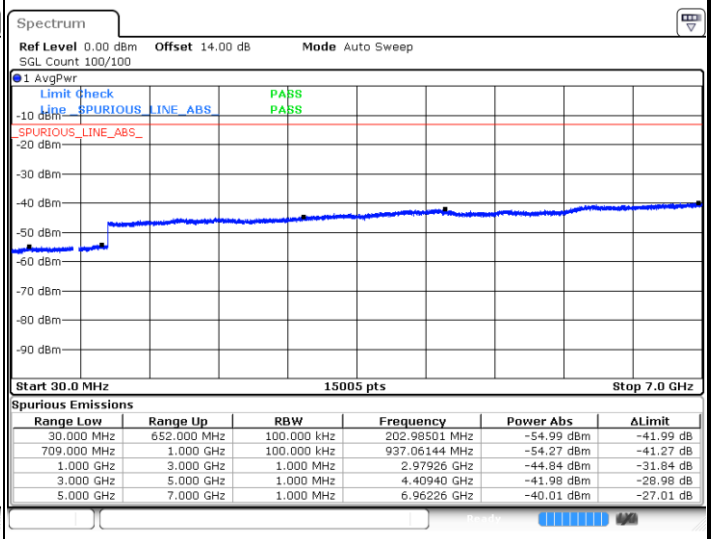



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 581.59370 MHz | -55.04 dBm | -42.04 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 960.89960 MHz | -54.16 dBm | -41.16 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.99525 GHz | -44.72 dBm | -31.72 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.26493 GHz | -41.86 dBm | -28.86 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.94476 GHz | -39.86 dBm | -26.86 dB |

Date: 10.MAY.2023 19:03:47

### Lowest Channel / 16QAM

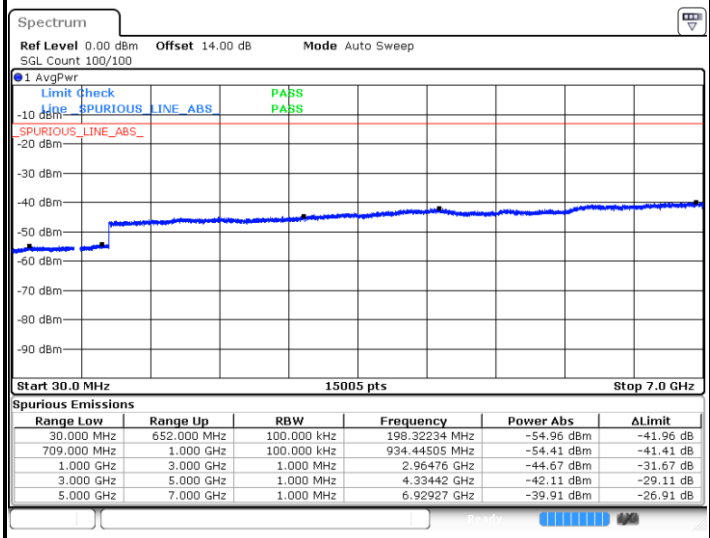



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 202.98501 MHz | -54.99 dBm | -41.99 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 937.06144 MHz | -54.27 dBm | -41.27 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.97926 GHz | -44.84 dBm | -31.84 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.40940 GHz | -41.98 dBm | -28.98 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.96226 GHz | -40.01 dBm | -27.01 dB |

Date: 10.MAY.2023 19:05:19

### Middle Channel / QPSK

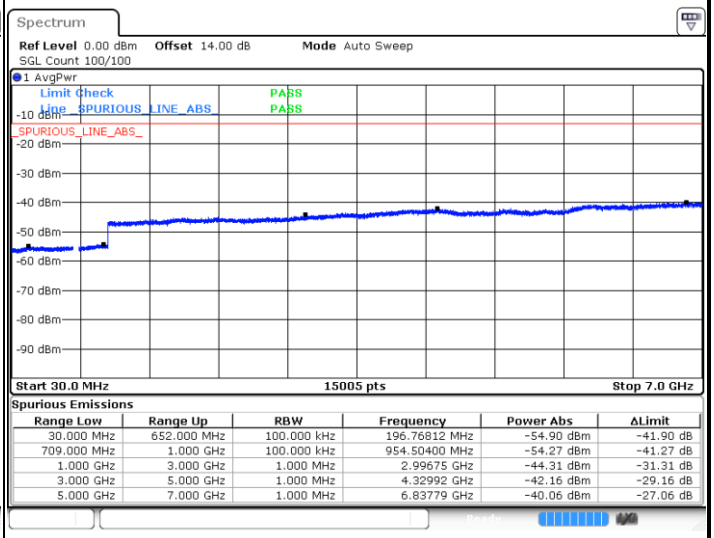



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 198.32234 MHz | -54.96 dBm | -41.96 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 934.44505 MHz | -54.41 dBm | -41.41 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.96476 GHz | -44.67 dBm | -31.67 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.33442 GHz | -42.11 dBm | -29.11 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.92927 GHz | -39.91 dBm | -26.91 dB |

Date: 10.MAY.2023 19:08:23

### Middle Channel / 16QAM



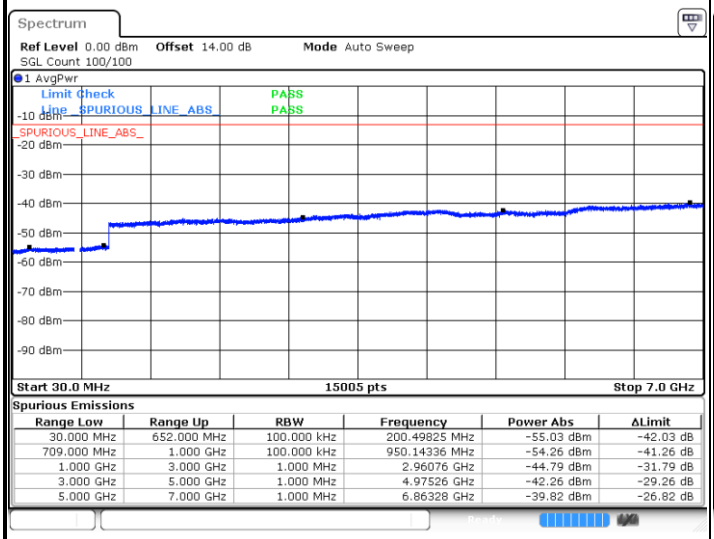

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 196.76812 MHz | -54.90 dBm | -41.90 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 954.50400 MHz | -54.27 dBm | -41.27 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.99675 GHz | -44.31 dBm | -31.31 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.32992 GHz | -42.16 dBm | -29.16 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.83779 GHz | -40.06 dBm | -27.06 dB |

Date: 10.MAY.2023 19:09:55

## LTE Band 71 / 5MHz

### Highest Channel / QPSK

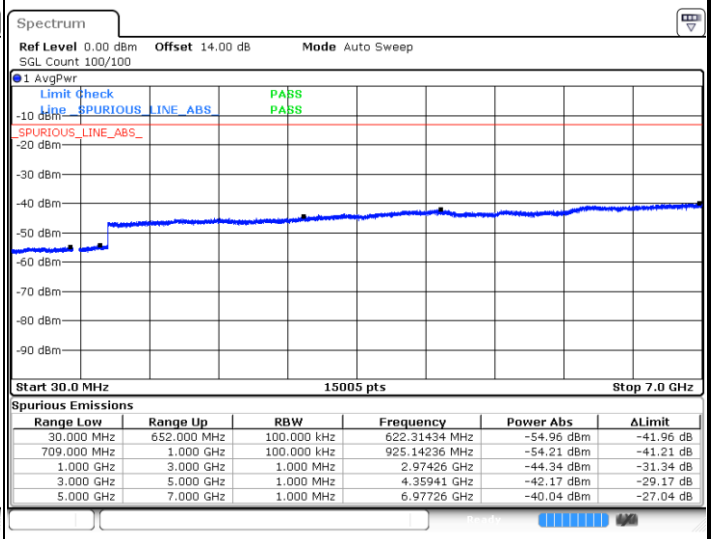



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 200.49825 MHz | -55.03 dBm | -42.03 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 950.14336 MHz | -54.26 dBm | -41.26 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.96076 GHz | -44.79 dBm | -31.79 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.97526 GHz | -42.26 dBm | -29.26 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.86328 GHz | -39.82 dBm | -26.82 dB |

Date: 10.MAY.2023 19:17:24

### Highest Channel / 16QAM



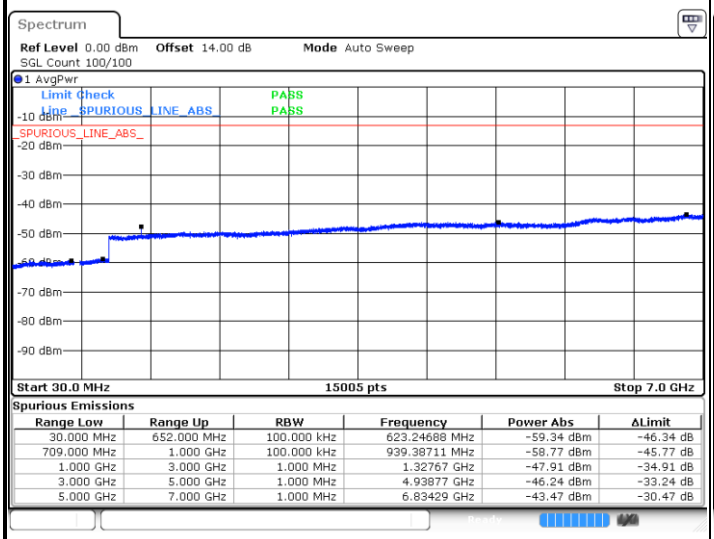

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 622.31434 MHz | -54.96 dBm | -41.96 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 925.14236 MHz | -54.21 dBm | -41.21 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.97426 GHz | -44.34 dBm | -31.34 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.35941 GHz | -42.17 dBm | -29.17 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.97726 GHz | -40.04 dBm | -27.04 dB |

Date: 10.MAY.2023 19:18:56

## LTE Band 71 / 10MHz

### Lowest Channel / QPSK

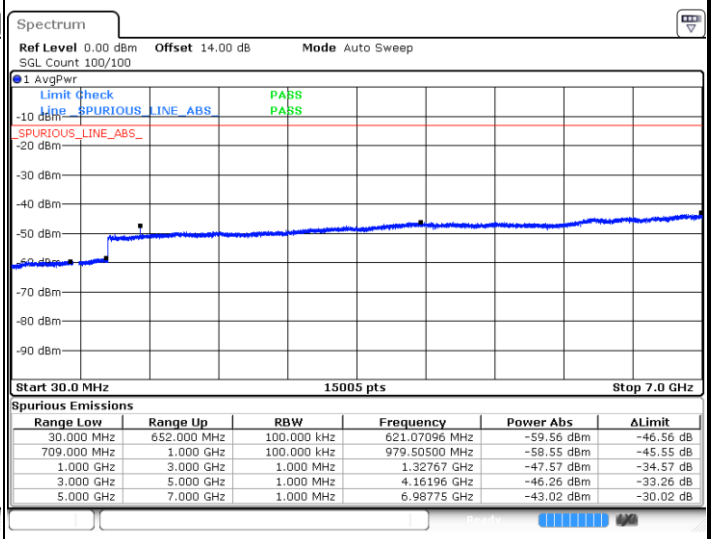



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 623.24688 MHz | -59.34 dBm | -46.34 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 939.38711 MHz | -58.77 dBm | -45.77 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.32767 GHz | -47.91 dBm | -34.91 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.93877 GHz | -46.24 dBm | -33.24 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.83429 GHz | -43.47 dBm | -30.47 dB |

Date: 10.MAY.2023 19:26:21

### Lowest Channel / 16QAM



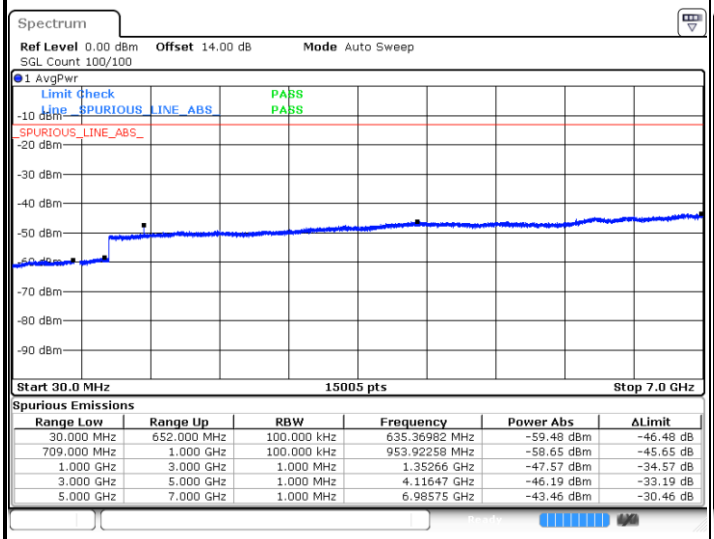

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 621.07096 MHz | -59.56 dBm | -46.56 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 979.50500 MHz | -58.55 dBm | -45.55 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.32767 GHz | -47.57 dBm | -34.57 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.16196 GHz | -46.26 dBm | -33.26 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.98775 GHz | -43.02 dBm | -30.02 dB |

Date: 10.MAY.2023 19:27:52

## LTE Band 71 / 10MHz

### Middle Channel / QPSK

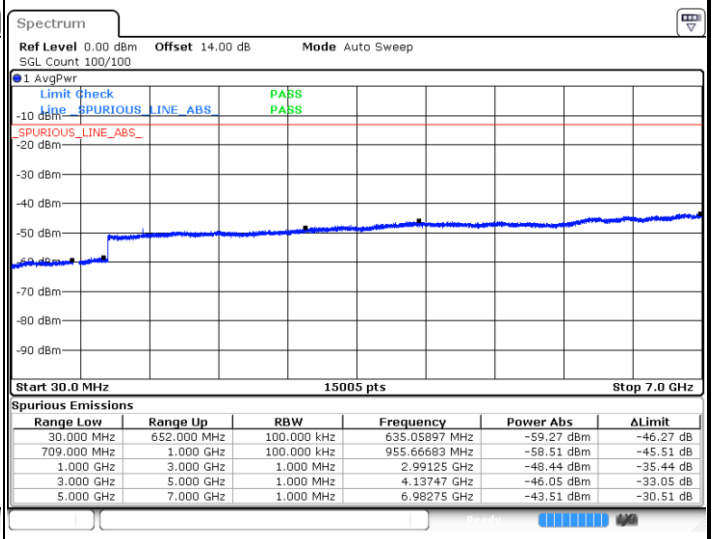



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 635.36982 MHz | -59.48 dBm | -46.48 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 953.92258 MHz | -58.65 dBm | -45.65 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.35266 GHz | -47.57 dBm | -34.57 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.11647 GHz | -46.19 dBm | -33.19 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.98575 GHz | -43.46 dBm | -30.46 dB |

Date: 10.MAY.2023 19:30:57

### Middle Channel / 16QAM

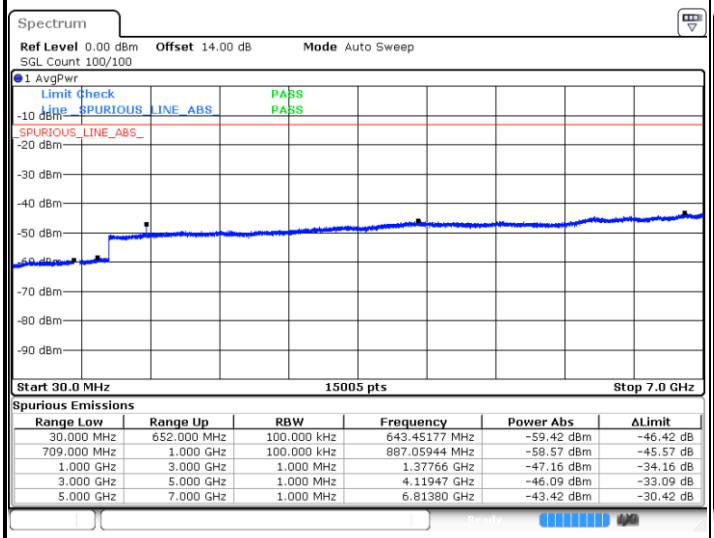



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 635.05897 MHz | -59.27 dBm | -46.27 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 955.66683 MHz | -58.51 dBm | -45.51 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.99125 GHz | -48.44 dBm | -35.44 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.13747 GHz | -46.05 dBm | -33.05 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.98275 GHz | -43.51 dBm | -30.51 dB |

Date: 10.MAY.2023 19:32:29

### Highest Channel / QPSK

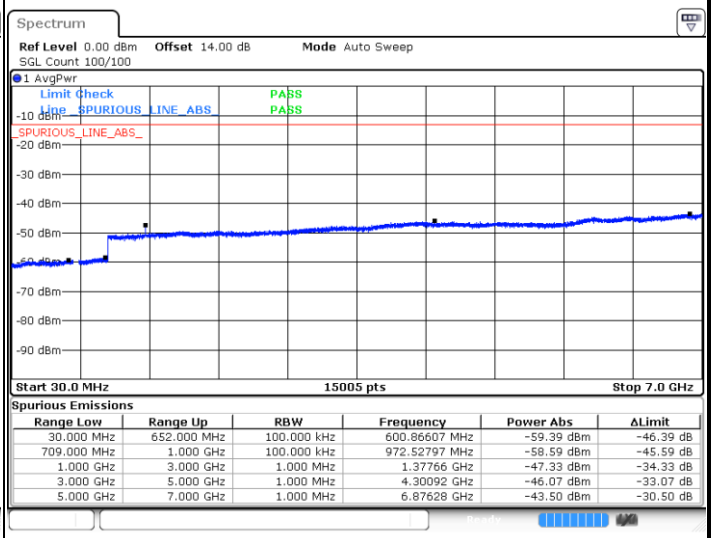



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 643.45177 MHz | -59.42 dBm | -46.42 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 887.05944 MHz | -58.57 dBm | -45.57 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.37766 GHz | -47.16 dBm | -34.16 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.11947 GHz | -46.09 dBm | -33.09 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.81380 GHz | -43.42 dBm | -30.42 dB |

Date: 10.MAY.2023 19:39:56

### Highest Channel / 16QAM



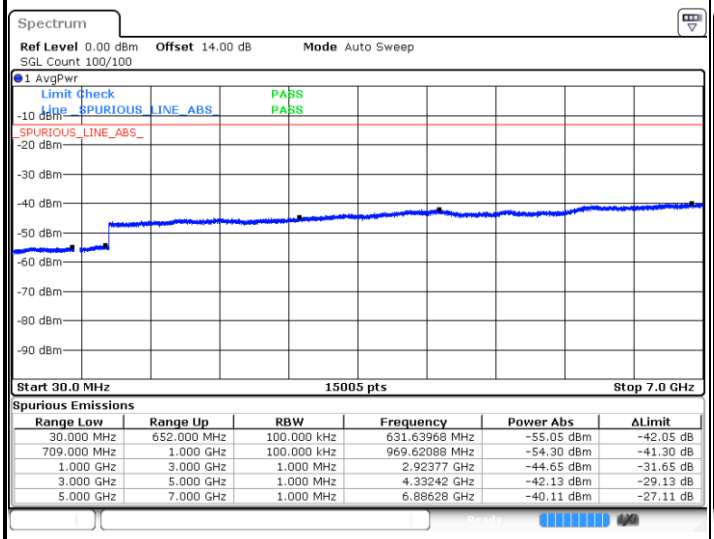

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 600.86607 MHz | -59.39 dBm | -46.39 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 972.52797 MHz | -58.59 dBm | -45.59 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.37766 GHz | -47.33 dBm | -34.33 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.30092 GHz | -46.07 dBm | -33.07 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.87628 GHz | -43.50 dBm | -30.50 dB |

Date: 10.MAY.2023 19:41:28

## LTE Band 71 / 15MHz

### Lowest Channel / QPSK

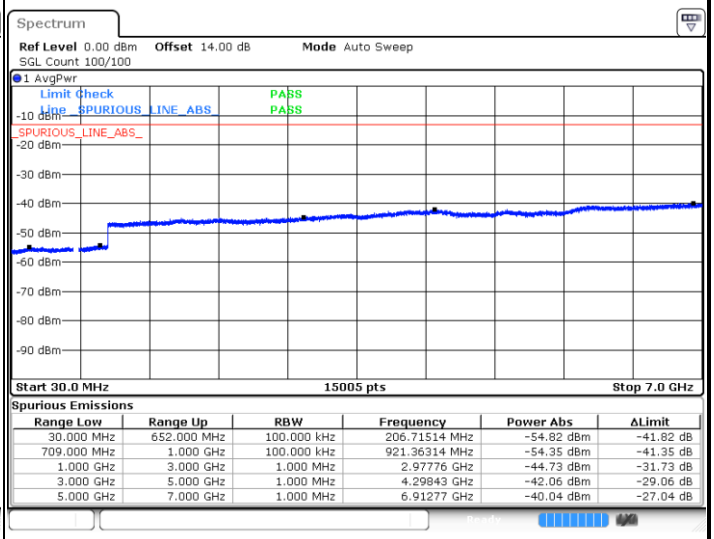



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 631.63968 MHz | -55.05 dBm | -42.05 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 969.62088 MHz | -54.30 dBm | -41.30 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.92377 GHz | -44.65 dBm | -31.65 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.33242 GHz | -42.13 dBm | -29.13 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.88628 GHz | -40.11 dBm | -27.11 dB |

Date: 10.MAY.2023 19:48:59

### Lowest Channel / 16QAM

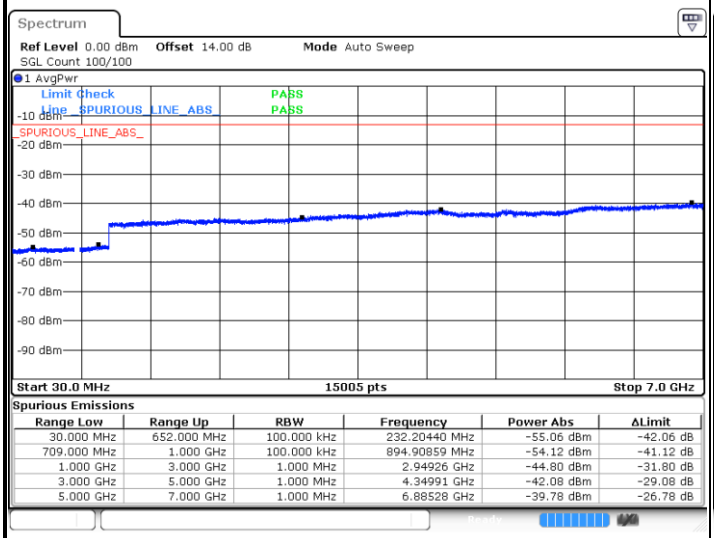



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 206.71514 MHz | -54.82 dBm | -41.82 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 921.36314 MHz | -54.35 dBm | -41.35 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.97776 GHz | -44.73 dBm | -31.73 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.29843 GHz | -42.06 dBm | -29.06 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.91277 GHz | -40.04 dBm | -27.04 dB |

Date: 10.MAY.2023 19:50:31

### Middle Channel / QPSK

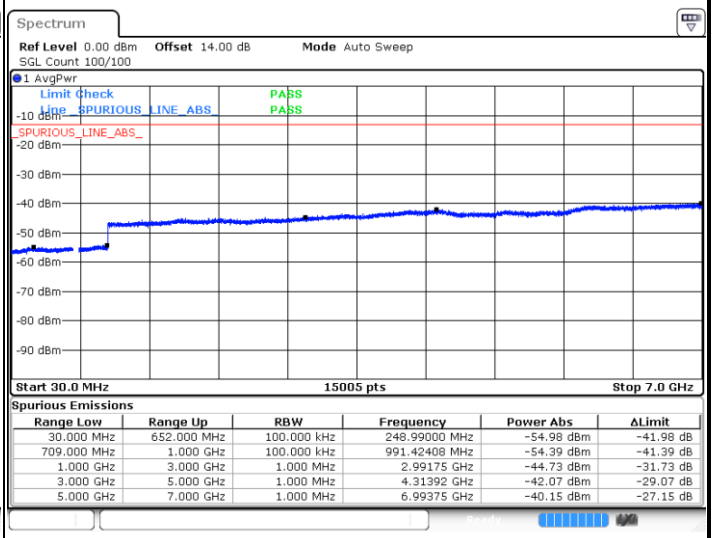



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 232.20440 MHz | -55.06 dBm | -42.06 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 894.90859 MHz | -54.12 dBm | -41.12 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.94926 GHz | -44.80 dBm | -31.80 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.34991 GHz | -42.08 dBm | -29.08 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.88528 GHz | -39.78 dBm | -26.78 dB |

Date: 10.MAY.2023 19:53:37

### Middle Channel / 16QAM



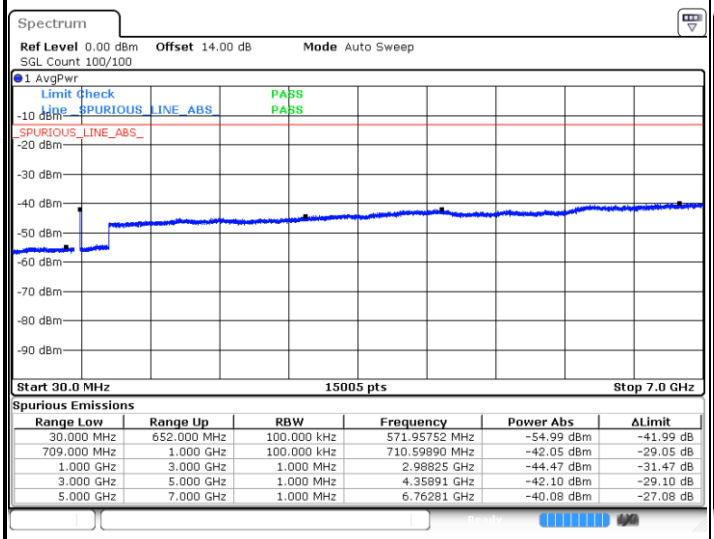

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 248.99000 MHz | -54.98 dBm | -41.98 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 991.42408 MHz | -54.39 dBm | -41.39 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.99175 GHz | -44.73 dBm | -31.73 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.31392 GHz | -42.07 dBm | -29.07 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.99375 GHz | -40.15 dBm | -27.15 dB |

Date: 10.MAY.2023 19:55:10

## LTE Band71 / 15MHz

### Highest Channel / QPSK

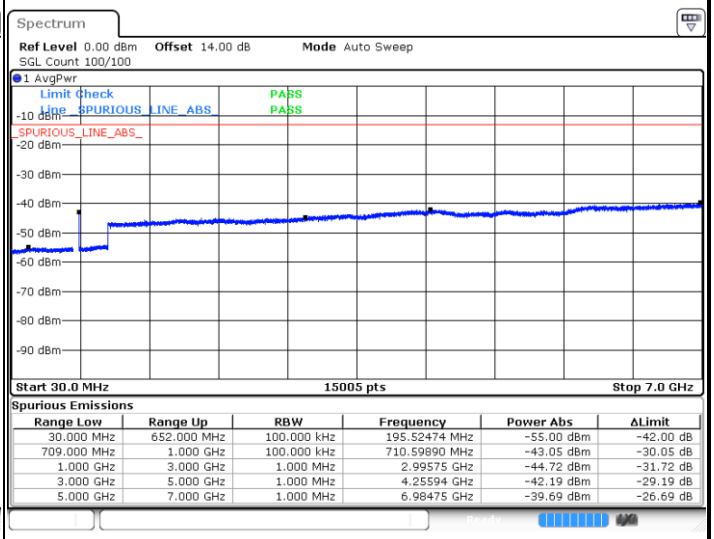



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 571.95752 MHz | -54.99 dBm | -41.99 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 710.59890 MHz | -42.05 dBm | -29.05 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.98825 GHz | -44.47 dBm | -31.47 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.35891 GHz | -42.10 dBm | -29.10 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.76281 GHz | -40.08 dBm | -27.08 dB |

Date: 10.MAY.2023 20:02:36

### Highest Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 195.52474 MHz | -55.00 dBm | -42.00 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 710.59890 MHz | -43.05 dBm | -30.05 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.99575 GHz | -44.72 dBm | -31.72 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.25594 GHz | -42.19 dBm | -29.19 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.98475 GHz | -39.69 dBm | -26.69 dB |

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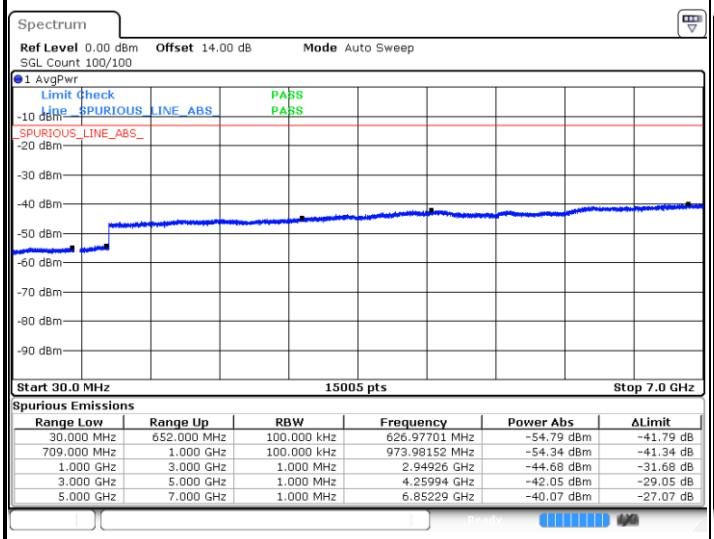
## LTE Band 71 / 20MHz

### Lowest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 626.97701 MHz | -54.79 dBm | -41.79 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 973.98152 MHz | -54.34 dBm | -41.34 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.94926 GHz | -44.68 dBm | -31.68 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.25994 GHz | -42.05 dBm | -29.05 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.85229 GHz | -40.07 dBm | -27.07 dB |

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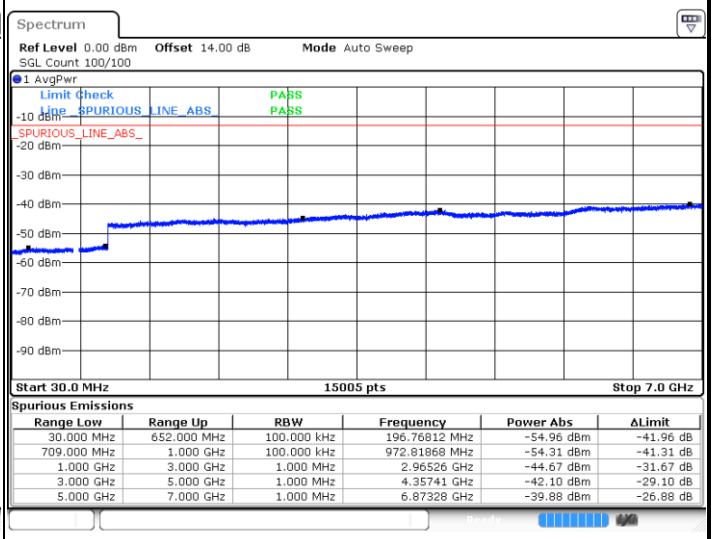
### Lowest Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 196.76812 MHz | -54.96 dBm | -41.96 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 972.81868 MHz | -54.31 dBm | -41.31 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.96526 GHz | -44.67 dBm | -31.67 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.35741 GHz | -42.10 dBm | -29.10 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.87328 GHz | -39.88 dBm | -26.88 dB |

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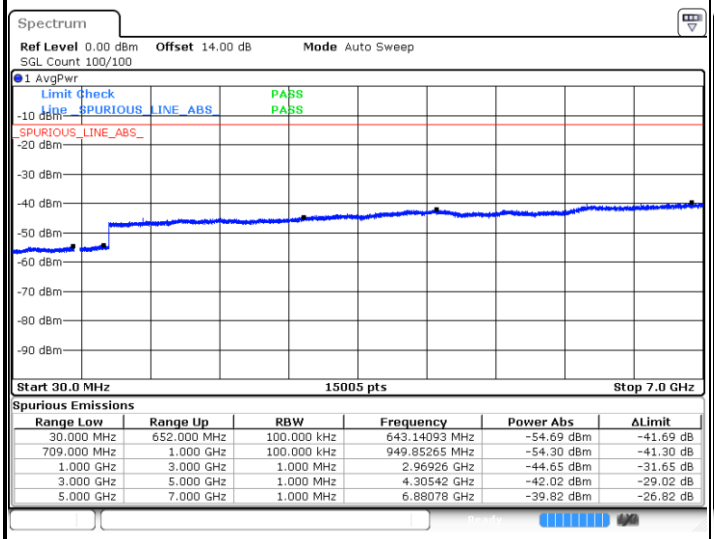
## LTE Band 71 / 20MHz

### Middle Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 643.14093 MHz | -54.69 dBm | -41.69 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 949.85265 MHz | -54.30 dBm | -41.30 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.96926 GHz | -44.65 dBm | -31.65 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.30542 GHz | -42.02 dBm | -29.02 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.88078 GHz | -39.82 dBm | -26.82 dB |

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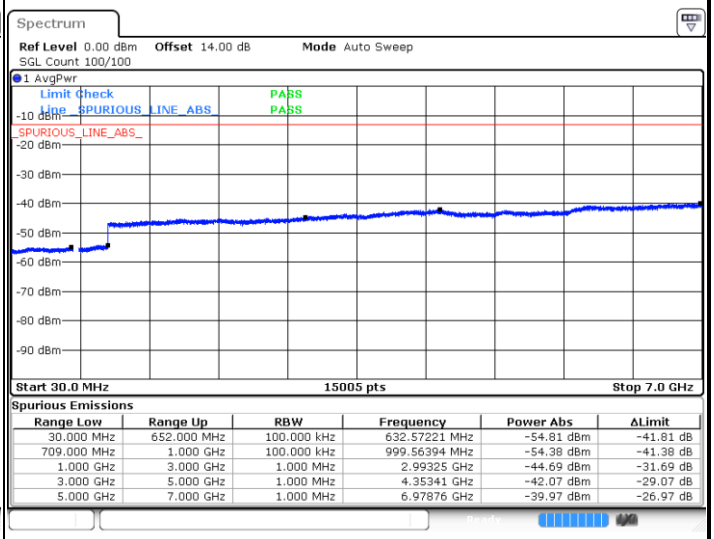
### Middle Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 632.57221 MHz | -54.81 dBm | -41.81 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 999.56394 MHz | -54.38 dBm | -41.38 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.99325 GHz | -44.69 dBm | -31.69 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.35341 GHz | -42.07 dBm | -29.07 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.97876 GHz | -39.97 dBm | -26.97 dB |

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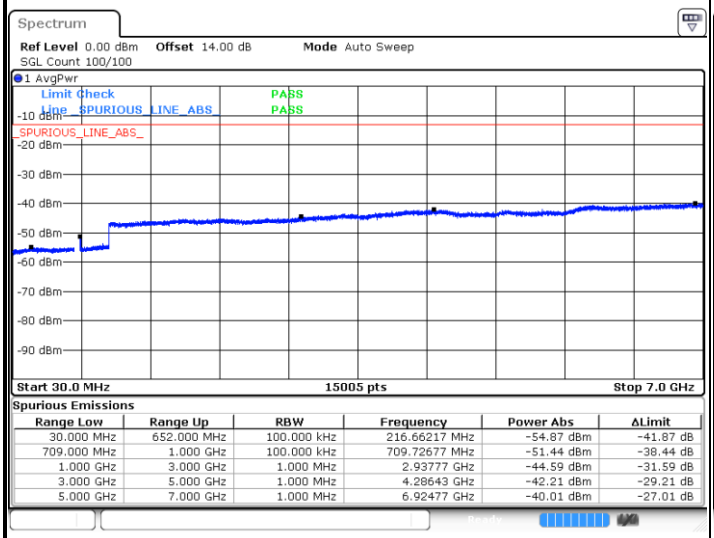
### Highest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 216.66217 MHz | -54.87 dBm | -41.87 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 709.72677 MHz | -51.44 dBm | -38.44 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.93777 GHz | -44.59 dBm | -31.59 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.28643 GHz | -42.21 dBm | -29.21 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.92477 GHz | -40.01 dBm | -27.01 dB |

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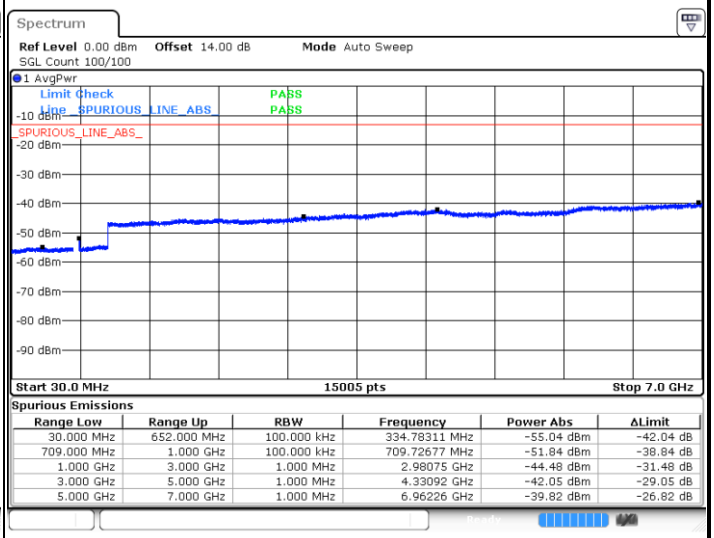
### Highest Channel / 16QAM




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 652.000 MHz | 100.000 kHz | 334.78311 MHz | -55.04 dBm | -42.04 dB |
| 709.000 MHz | 1.000 GHz | 100.000 kHz | 709.72677 MHz | -51.84 dBm | -38.84 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.98075 GHz | -44.48 dBm | -31.48 dB |
| 3.000 GHz | 5.000 GHz | 1.000 MHz | 4.33092 GHz | -42.05 dBm | -29.05 dB |
| 5.000 GHz | 7.000 GHz | 1.000 MHz | 6.96226 GHz | -39.82 dBm | -26.82 dB |

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# Frequency Stability

| Test Conditions | | LTE Band 71 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0004 | PASS |
| 40 | Normal Voltage | 0.0026 | |
| 30 | Normal Voltage | 0.0168 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0012 | |
| 0 | Normal Voltage | 0.0172 | |
| -10 | Normal Voltage | 0.0004 | |
| -20 | Normal Voltage | 0.0013 | |
| -30 | Normal Voltage | 0.0026 | |
| 20 | Maximum Voltage | 0.0007 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0187 | |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

| Test Engineer : | Kuang Jia | Temperature : | 22~25℃ |
|---|---|---|---|
| | | Relative Humidity : | 48~52% |

| LTE Band 2 / 20MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3742.18 | -63.36 | -13 | -50.36 | -79.07 | -70.11 | 5.85 | 12.60 | H |
| | 5613.27 | -60.52 | -13 | -47.52 | -79.28 | -66.32 | 7.30 | 13.10 | H |
| | 7484.36 | -44.20 | -13 | -31.20 | -69.09 | -47.35 | 8.35 | 11.50 | H |
| | 3742.18 | -63.75 | -13 | -50.75 | -79.08 | -70.50 | 5.85 | 12.60 | V |
| | 5613.27 | -61.98 | -13 | -48.98 | -80.22 | -67.78 | 7.30 | 13.10 | V |
| | 7484.36 | -48.01 | -13 | -35.01 | -73.29 | -51.16 | 8.35 | 11.50 | V |

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

| LTE Band 5 / 10MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1664.18 | -59.22 | -13 | -46.22 | -66.64 | -62.47 | 4.00 | 9.40 | H |
| | 2496.27 | -59.76 | -13 | -46.76 | -71.22 | -63.33 | 4.88 | 10.60 | H |
| | 3328.36 | -62.44 | -13 | -49.44 | -76.61 | -67.37 | 5.52 | 12.60 | H |
| | 1664.18 | -62.53 | -13 | -49.53 | -70.09 | -65.78 | 4.00 | 9.40 | V |
| | 2496.27 | -57.06 | -13 | -44.06 | -68.61 | -60.63 | 4.88 | 10.60 | V |
| | 3328.36 | -63.94 | -13 | -50.94 | -78.09 | -68.87 | 5.52 | 12.60 | V |

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

| LTE Band 12 / 10MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1406 | -59.84 | -13 | -46.84 | -68.34 | -63.09 | 4.00 | 9.40 | H |
| | 2109 | -65.10 | -13 | -52.10 | -75.90 | -68.67 | 4.88 | 10.60 | H |
| | 2812 | -63.42 | -13 | -50.42 | -76.59 | -68.35 | 5.52 | 12.60 | H |
| | 1406 | -65.08 | -13 | -52.08 | -73.47 | -68.33 | 4.00 | 9.40 | V |
| | 2109 | -64.33 | -13 | -51.33 | -75.36 | -67.90 | 4.88 | 10.60 | V |
| | 2812 | -63.38 | -13 | -50.38 | -76.48 | -68.31 | 5.52 | 12.60 | V |

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

| LTE Band 66 / 20MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3492 | -64.08 | -13 | -51.08 | -78.63 | -70.93 | 5.65 | 12.50 | H |
| | 5238 | -62.70 | -13 | -49.70 | -81.49 | -68.37 | 7.13 | 12.80 | H |
| | 6984 | -57.57 | -13 | -44.57 | -80.66 | -60.97 | 8.40 | 11.80 | H |
| | 3492 | -64.16 | -13 | -51.16 | -78.75 | -71.01 | 5.65 | 12.50 | V |
| | 5238 | -63.21 | -13 | -50.21 | -81.57 | -68.88 | 7.13 | 12.80 | V |
| | 6984 | -57.44 | -13 | -44.44 | -80.73 | -60.84 | 8.40 | 11.80 | V |

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

| LTE Band 71 / 20MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1348 | -63.11 | -13 | -50.11 | -70.77 | -66.36 | 4.00 | 9.40 | H |
| | 2022 | -55.44 | -13 | -42.44 | -65.33 | -59.01 | 4.88 | 10.60 | H |
| | 2696 | -64.39 | -13 | -51.39 | -77.04 | -69.32 | 5.52 | 12.60 | H |
| | 1348 | -63.58 | -13 | -50.58 | -71.17 | -66.83 | 4.00 | 9.40 | V |
| | 2022 | -63.21 | -13 | -50.21 | -73.22 | -66.78 | 4.88 | 10.60 | V |
| | 2696 | -64.61 | -13 | -51.61 | -77.15 | -69.54 | 5.52 | 12.60 | V |

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