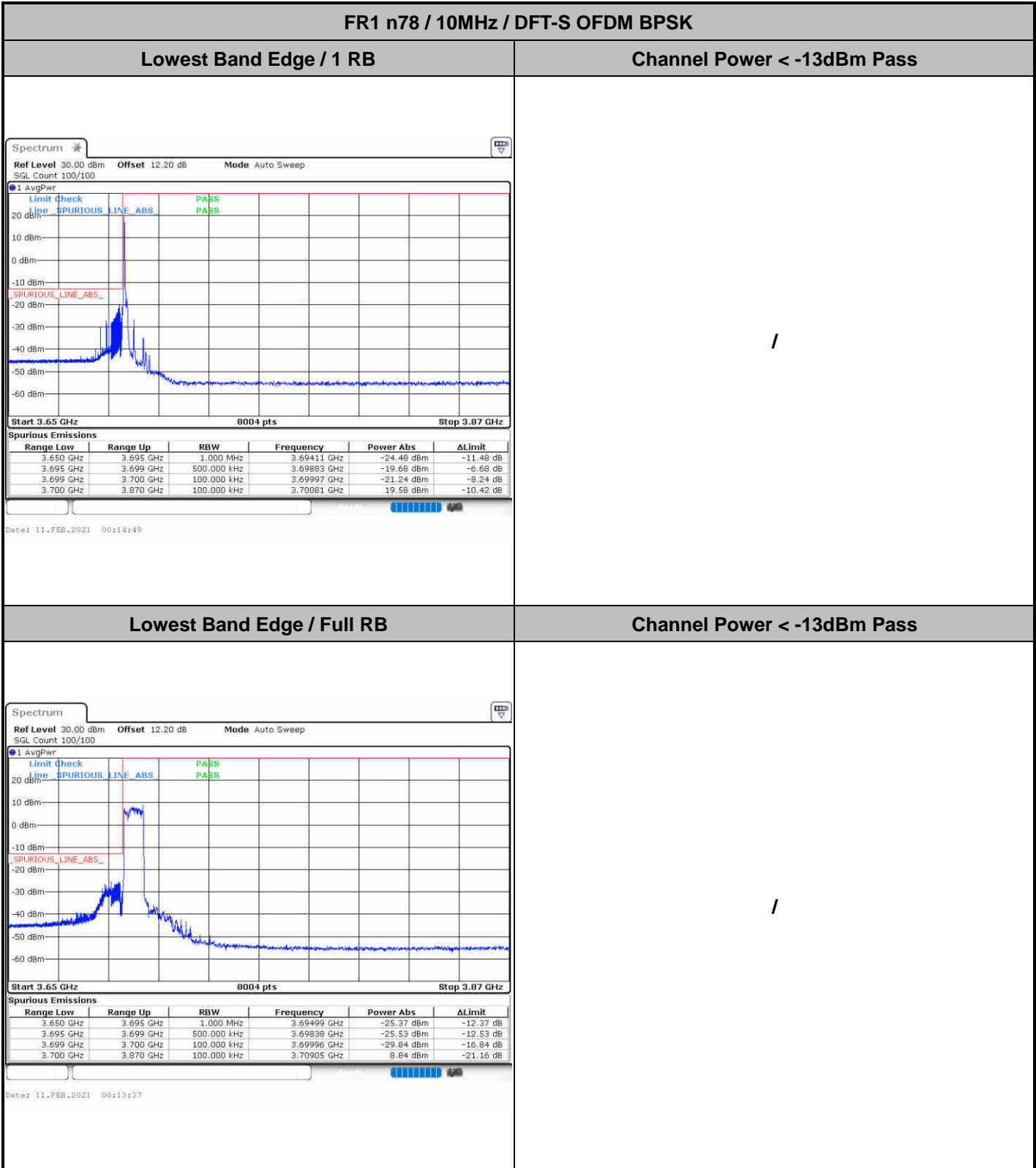


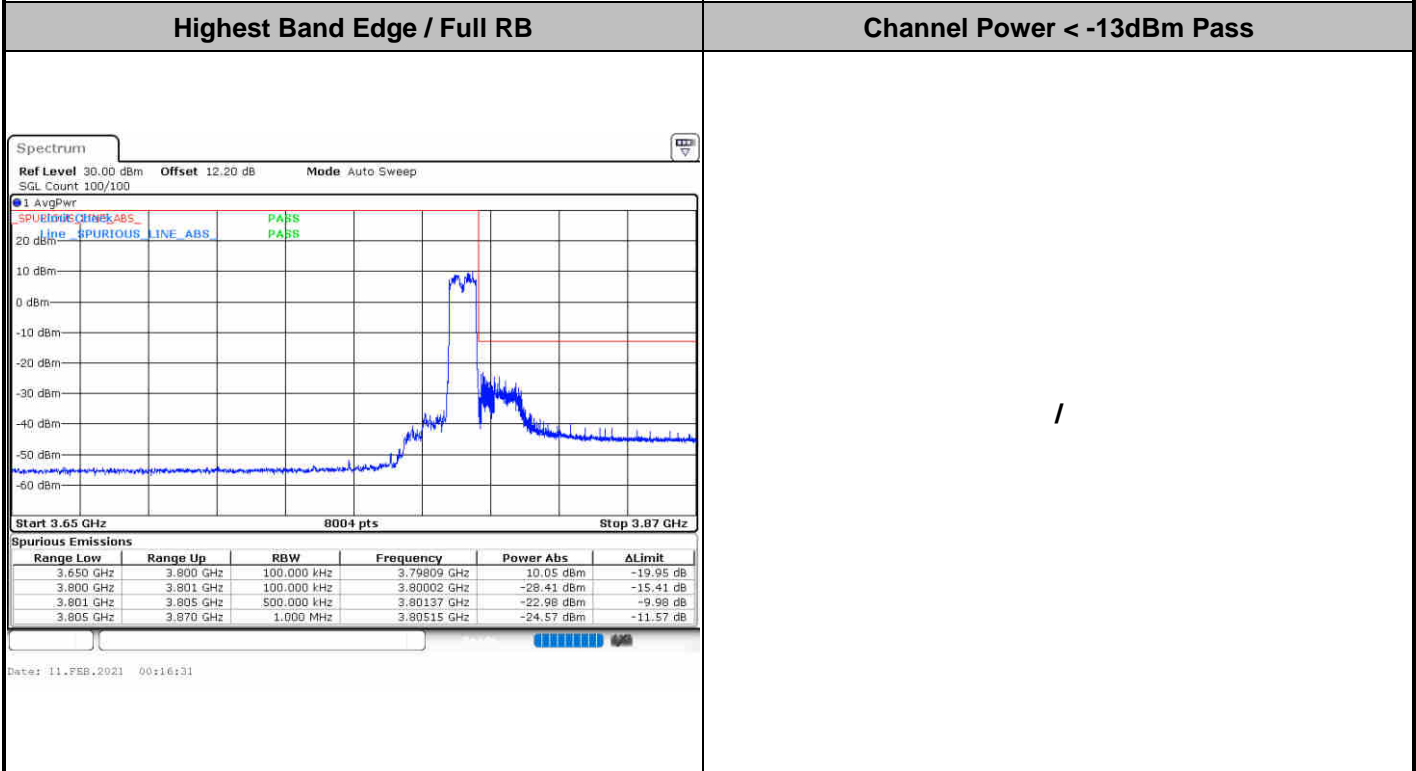
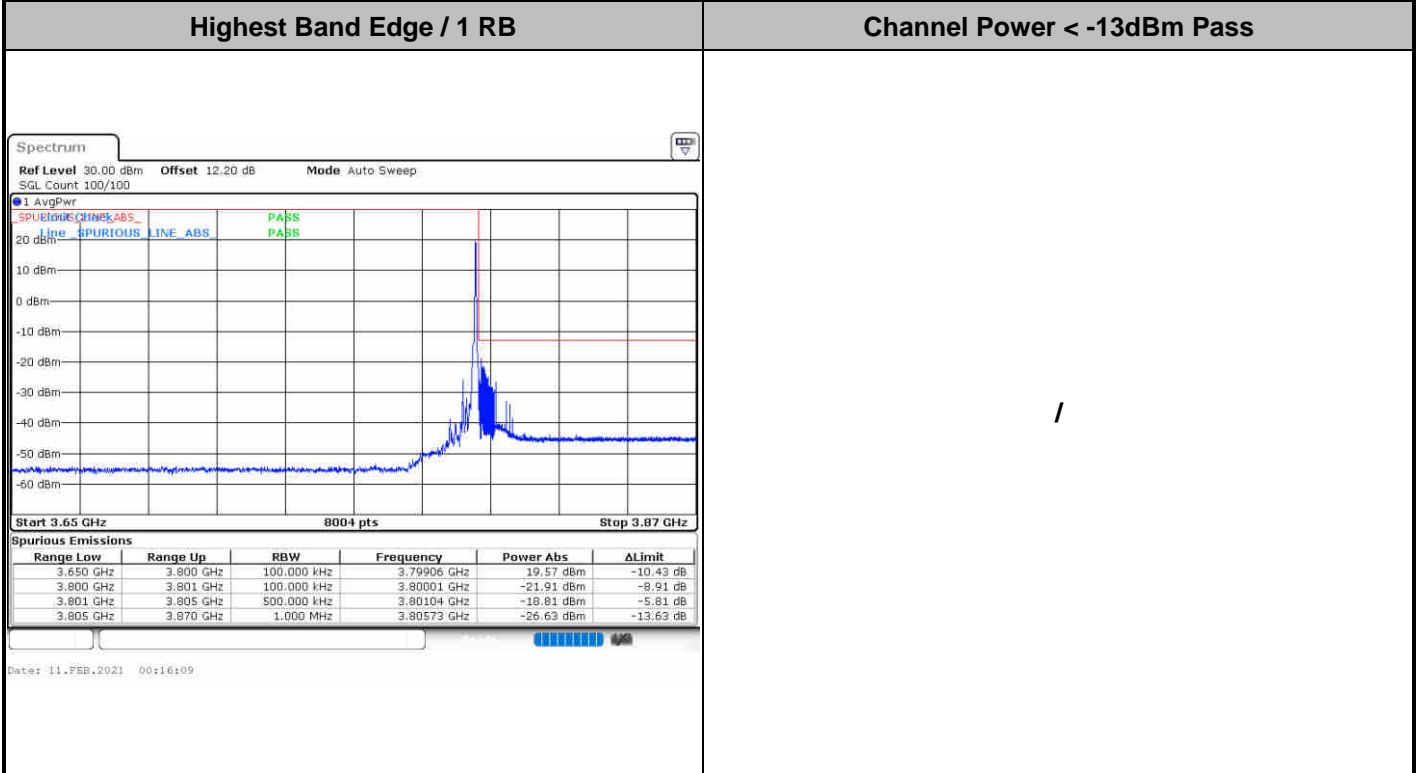


Conducted Band Edge





FR1 n78 / 10MHz / DFT-S OFDM BPSK

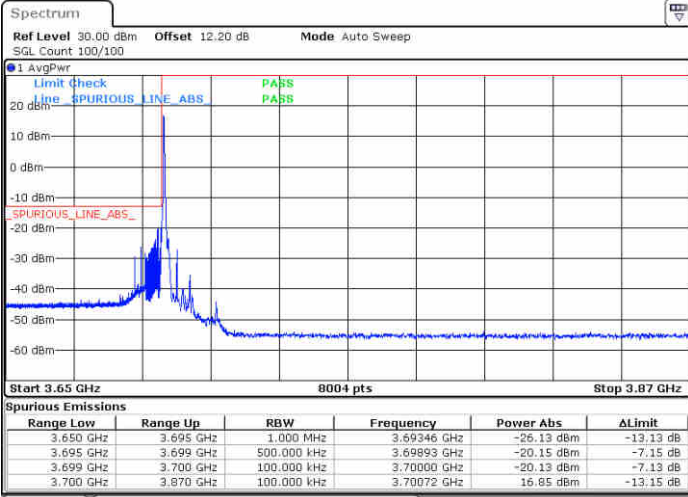




FR1 n78 / 10MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

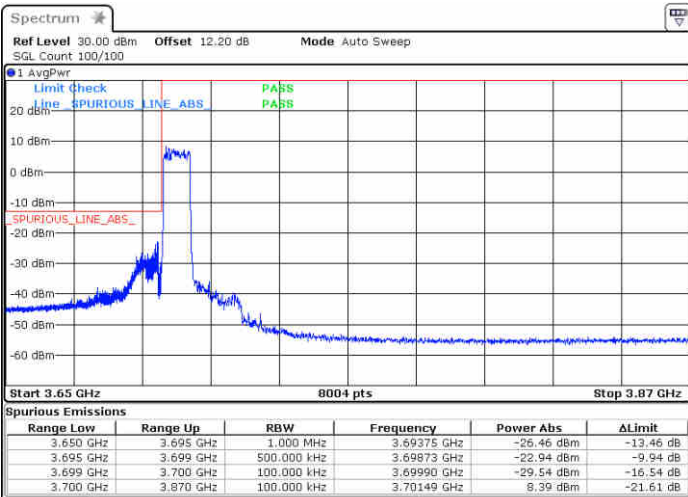
Channel Power < -13dBm Pass



Date: 11.FEB.2021 00:15:00

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



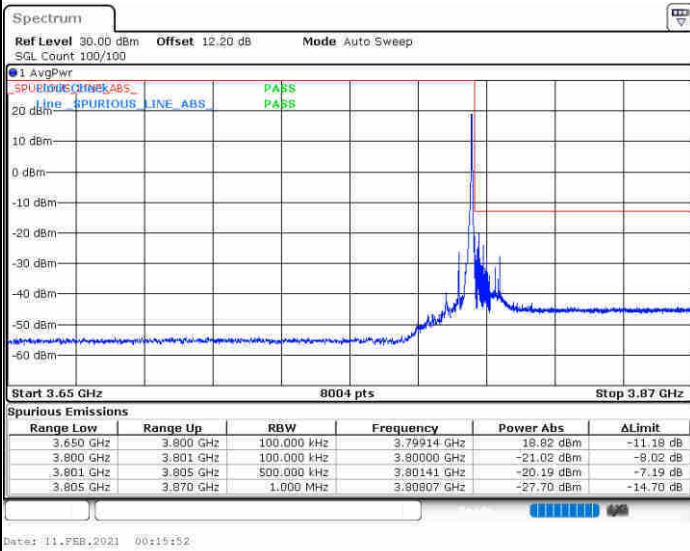
Date: 11.FEB.2021 00:08:35



FR1 n78 / 10MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

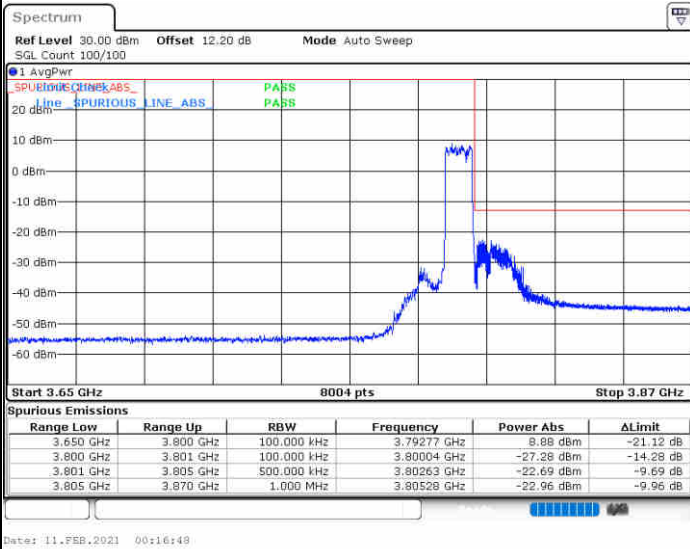
Channel Power < -13dBm Pass



/

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



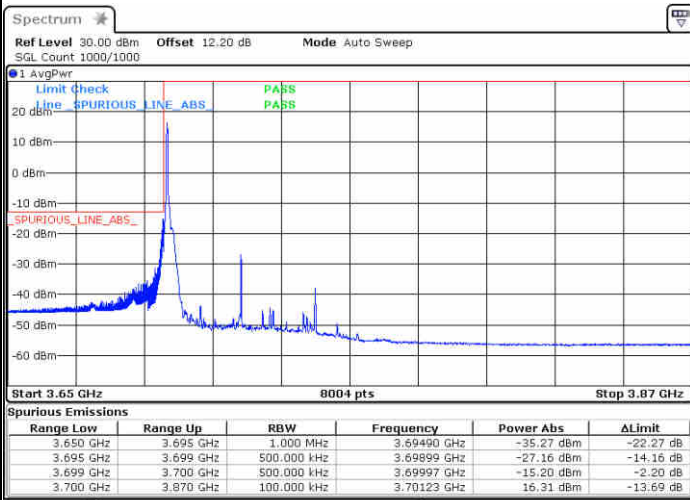
/



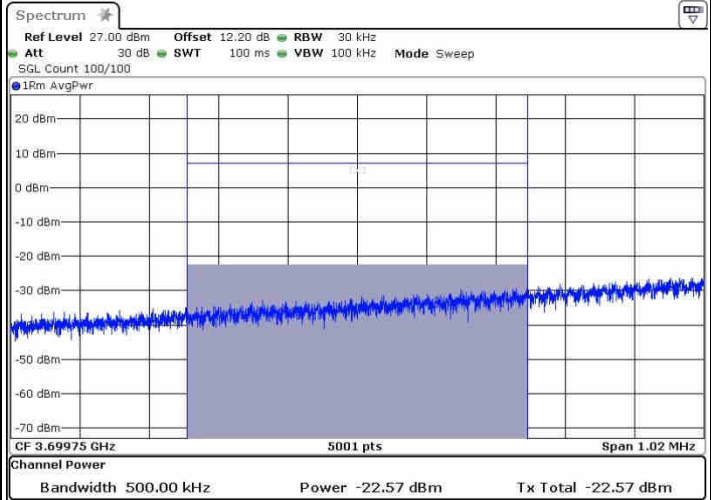
FR1 n78 / 50MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



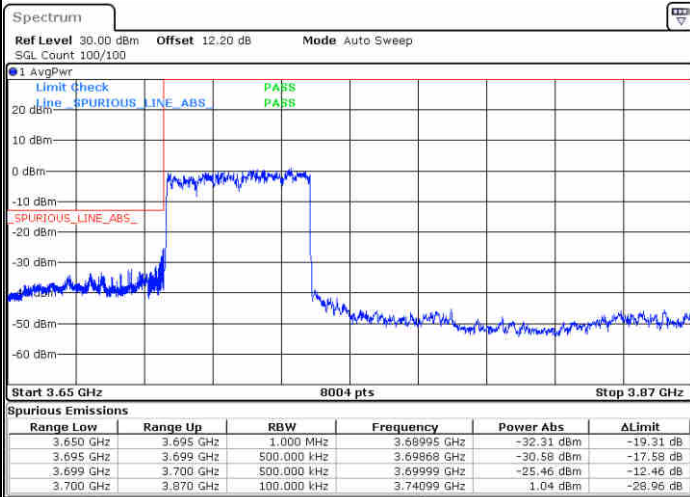
Date: 30.JAN.2021 03:55:27



Date: 30.JAN.2021 04:26:21

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



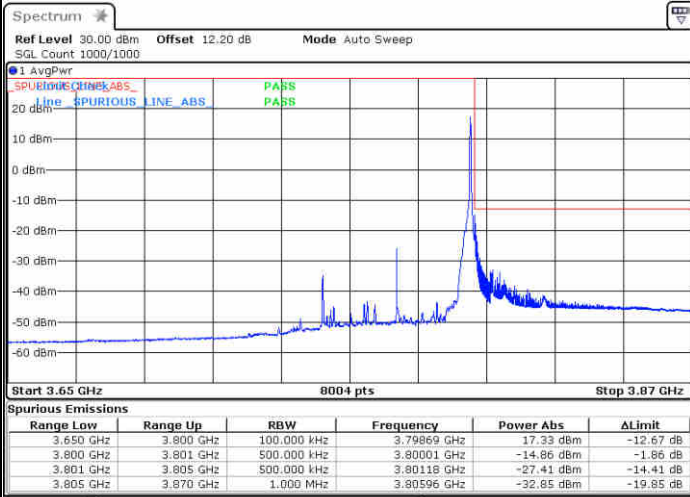
Date: 30.JAN.2021 03:57:05



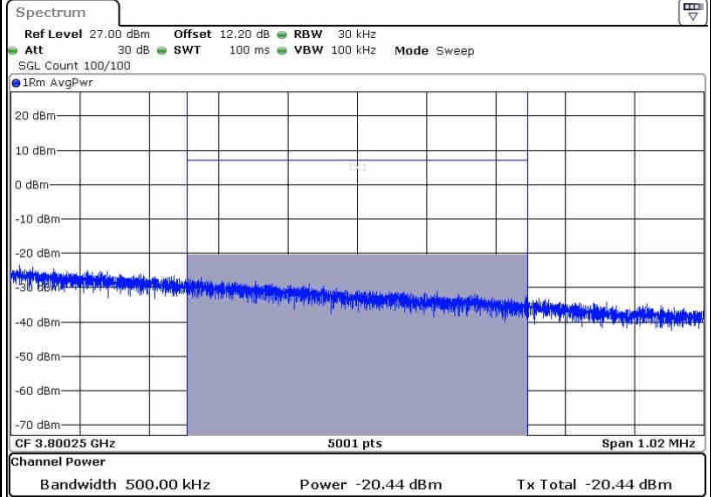
FR1 n78 / 50MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



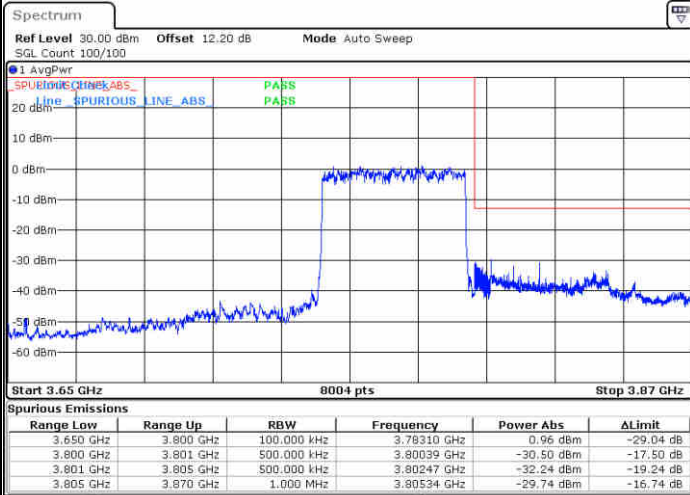
Date: 30.JAN.2021 04:01:55



Date: 30.JAN.2021 04:23:10

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



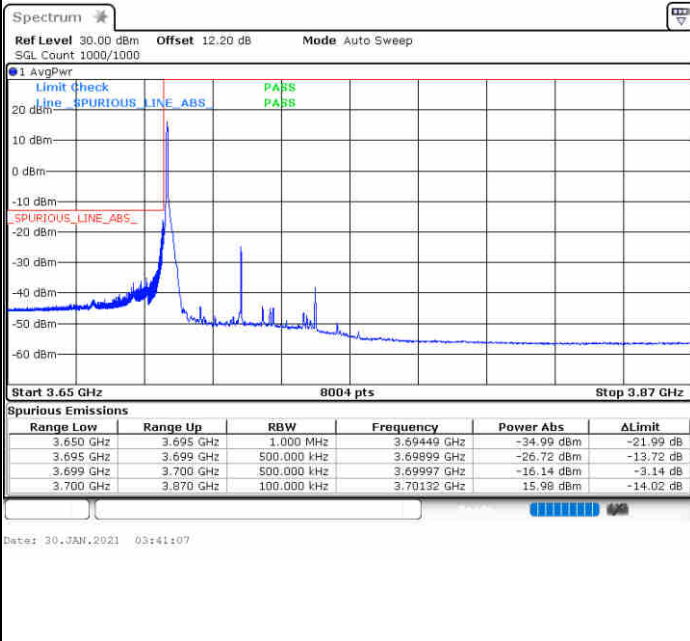
Date: 30.JAN.2021 03:59:11



FR1 n78 / 50MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

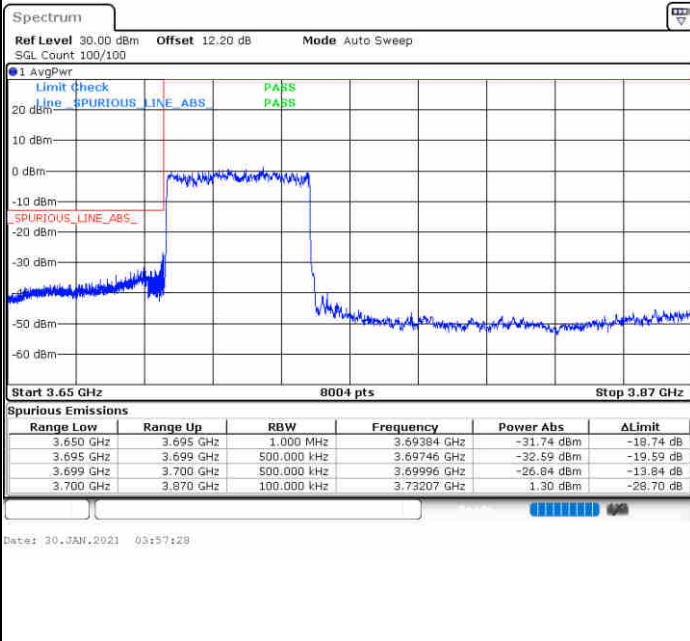
Channel Power < -13dBm Pass



/

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



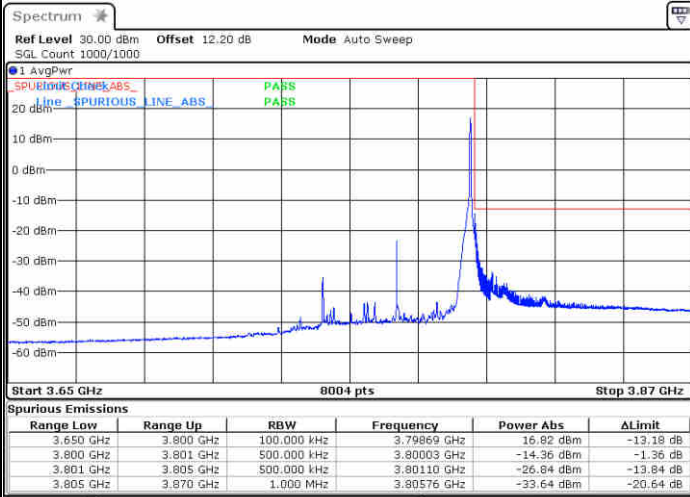
/



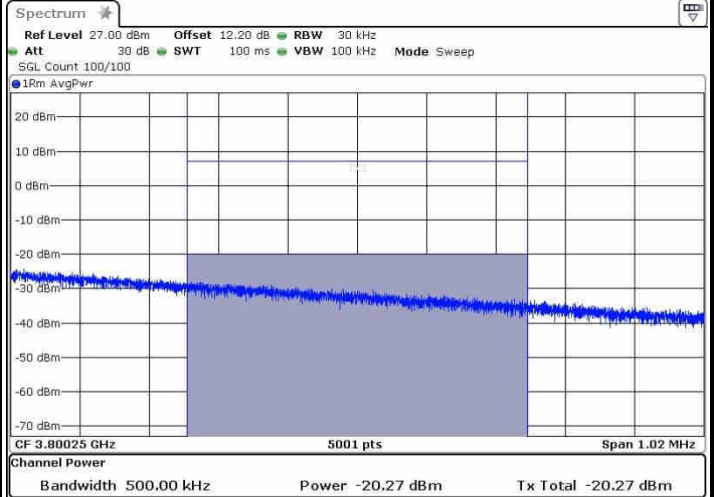
FR1 n78 / 50MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



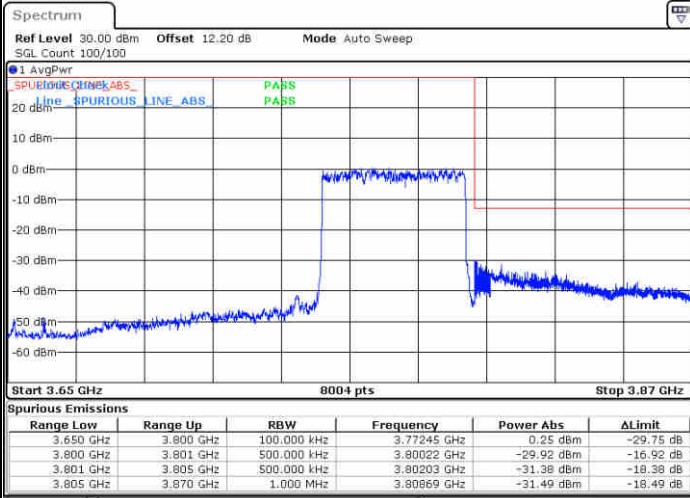
Date: 30.JAN.2021 04:09:13



Date: 30.JAN.2021 04:19:49

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



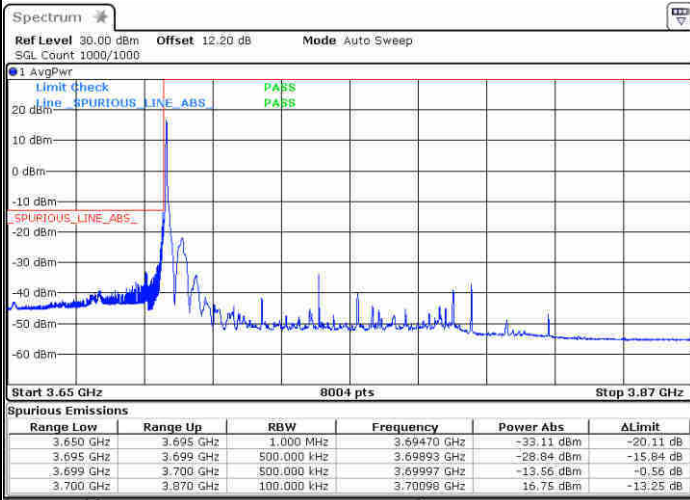
Date: 30.JAN.2021 03:57:46



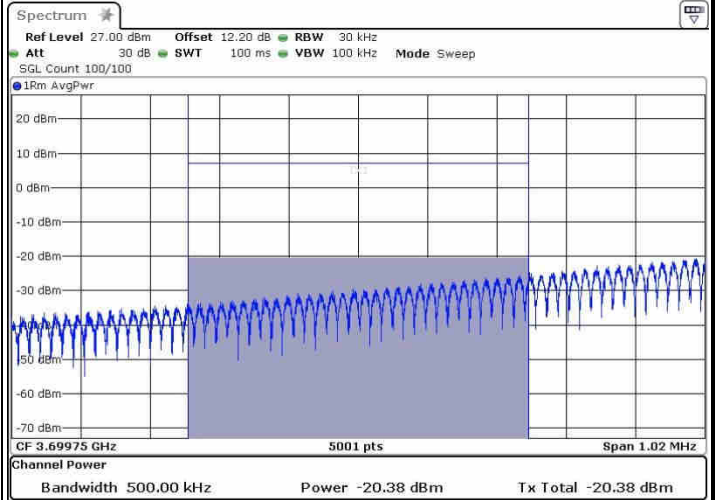
FR1 n78 / 100MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



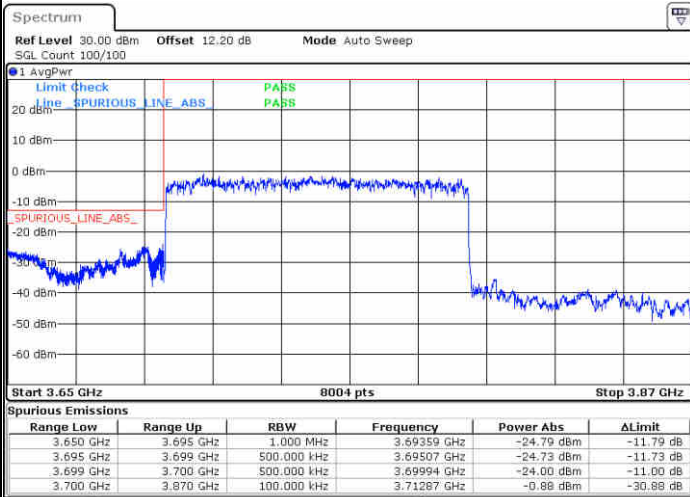
Date: 11.FEB.2021 00:28:40



Date: 11.FEB.2021 00:29:48

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



Date: 11.FEB.2021 00:31:55

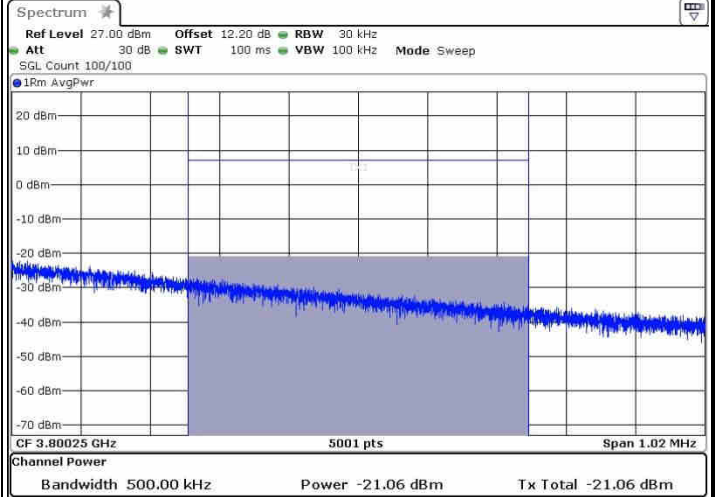
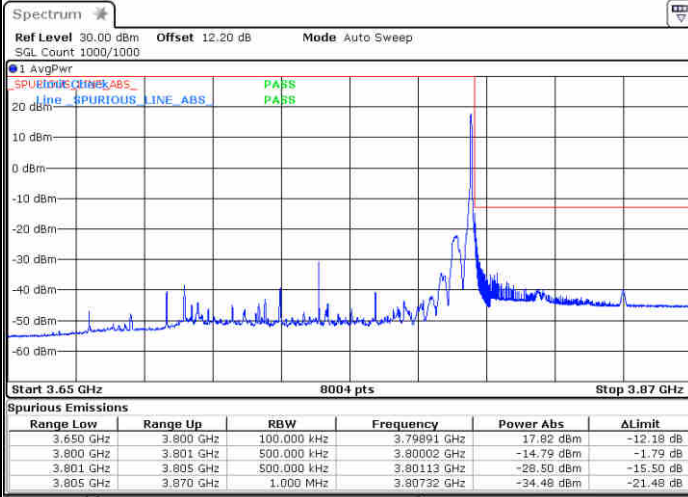
/



FR1 n78 / 100MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

Channel Power < -13dBm Pass

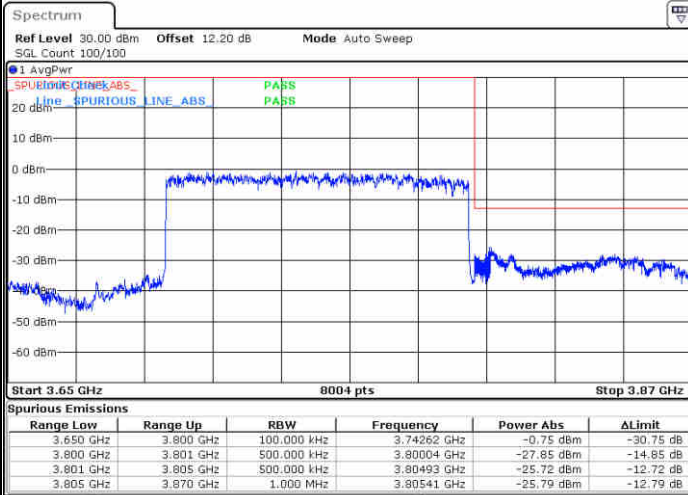


Date: 11.FEB.2021 00:35:11

Date: 11.FEB.2021 00:36:47

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



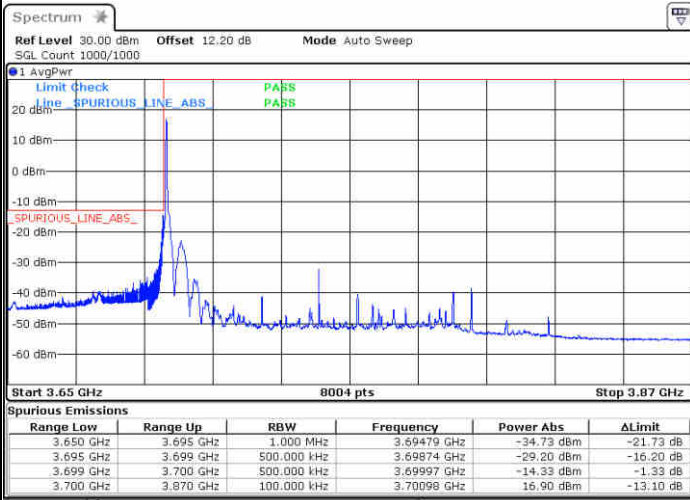
Date: 11.FEB.2021 00:32:14



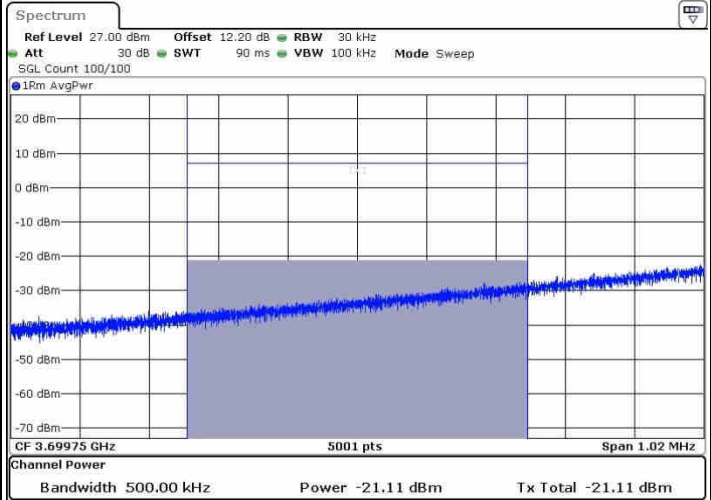
FR1 n78 / 100MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



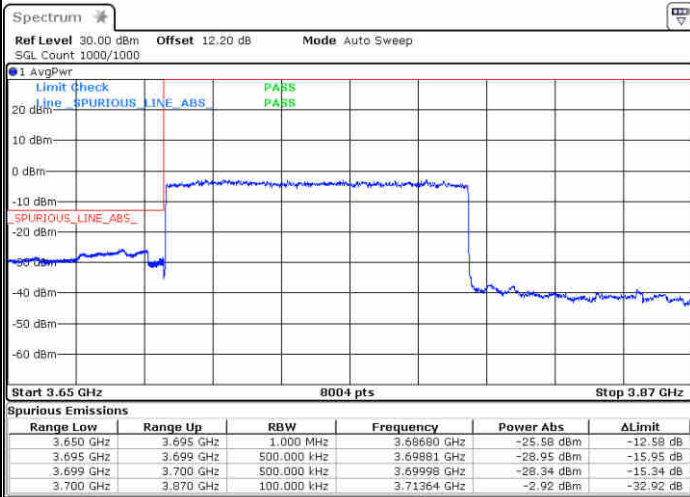
Date: 11.FEB.2021 00:27:26



Date: 11.FEB.2021 00:30:18

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



Date: 11.FEB.2021 00:31:36

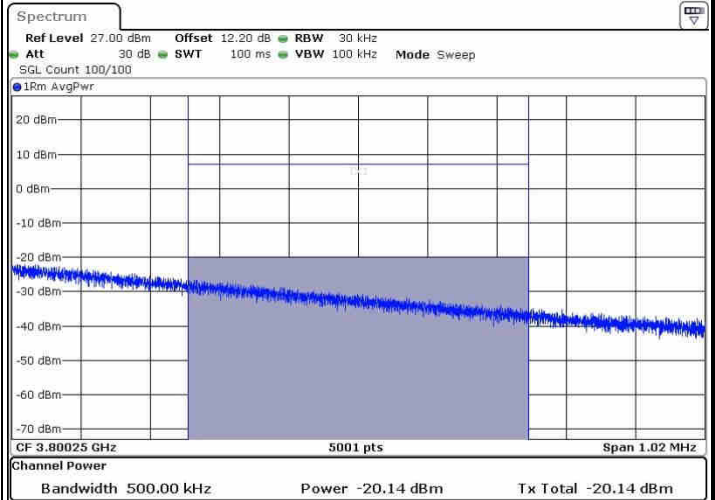
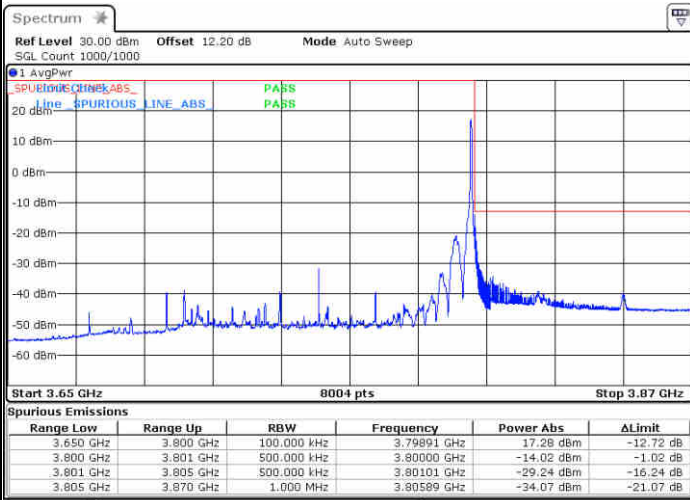
/



FR1 n78 / 100MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

Channel Power < -13dBm Pass

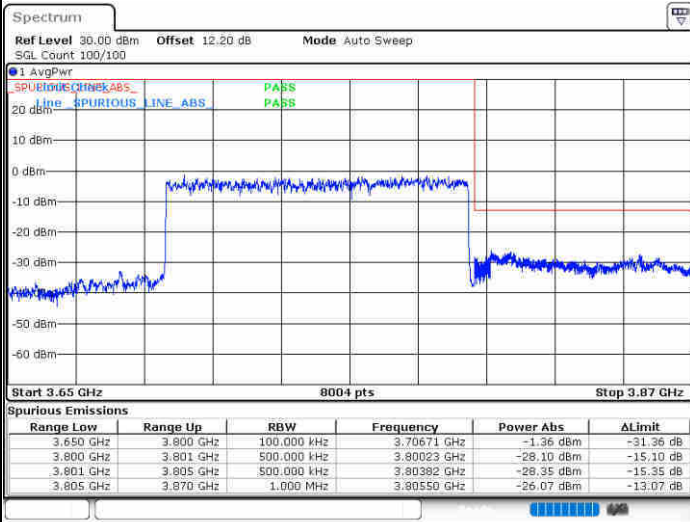


Date: 11.FEB.2021 00:33:21

Date: 11.FEB.2021 00:37:07

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



Date: 11.FEB.2021 00:32:32

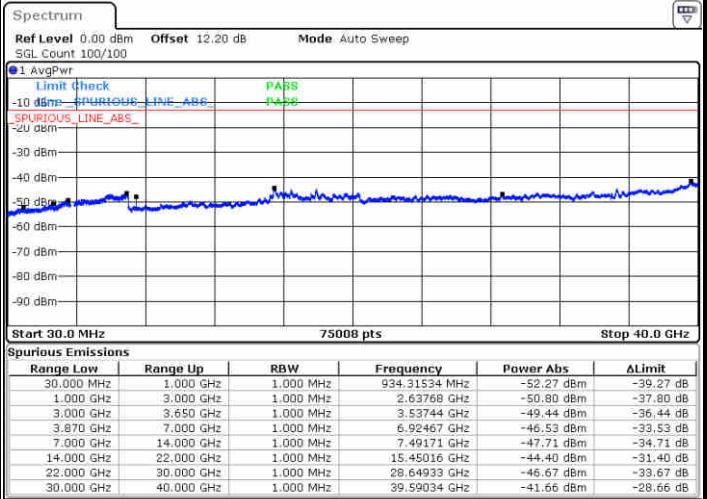
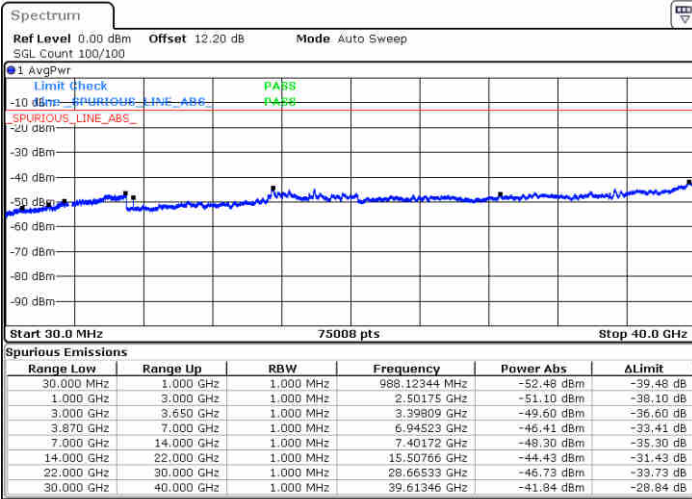


Conducted Spurious Emission

FR1 n78 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

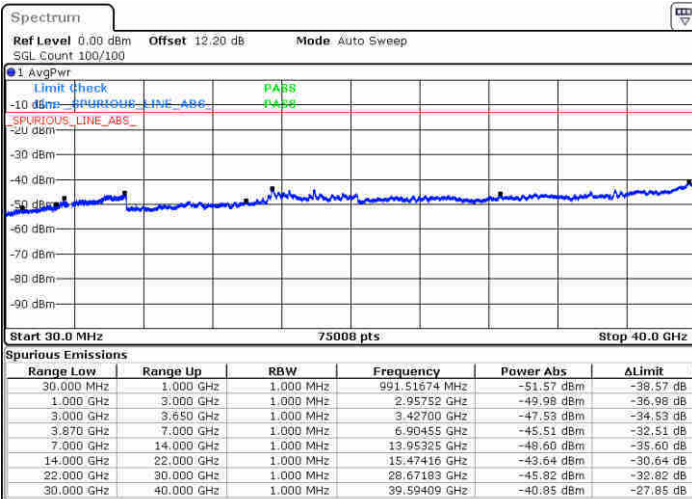
Middle Channel / 1RB



Date: 2.FEB.2021 06:52:30

Date: 2.FEB.2021 06:47:10

Highest Channel / 1RB



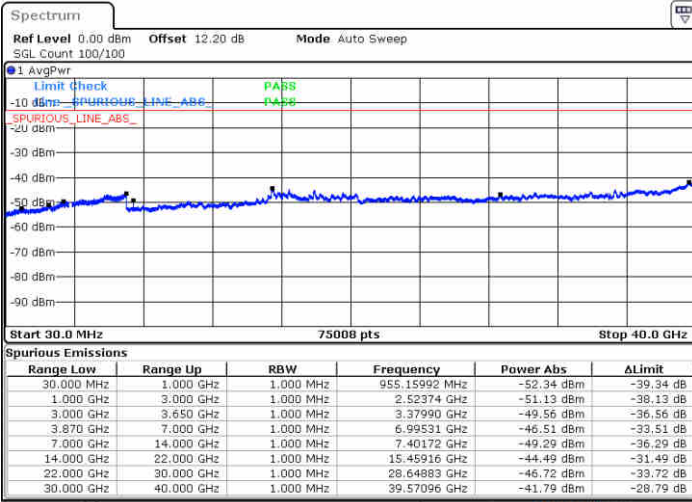
Date: 11.FEB.2021 00:20:11



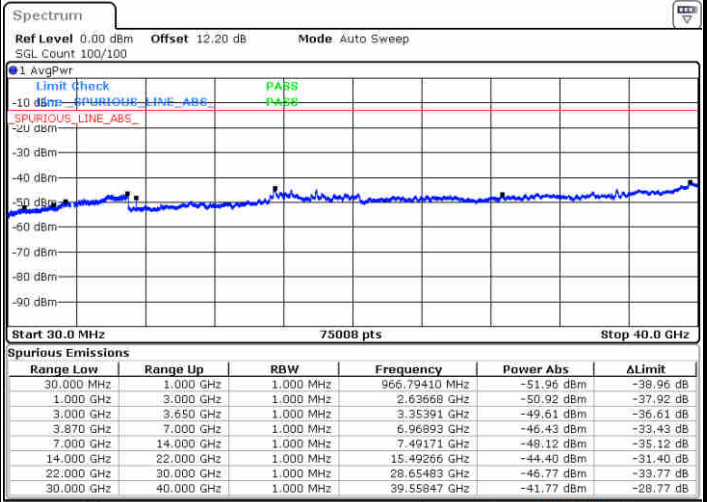
FR1 n78 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB

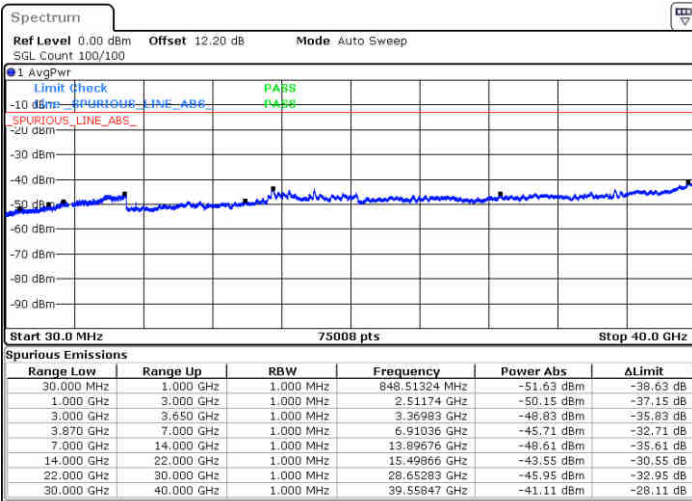


Date: 2.FEB.2021 06:51:03



Date: 2.FEB.2021 06:49:24

Highest Channel / 1RB



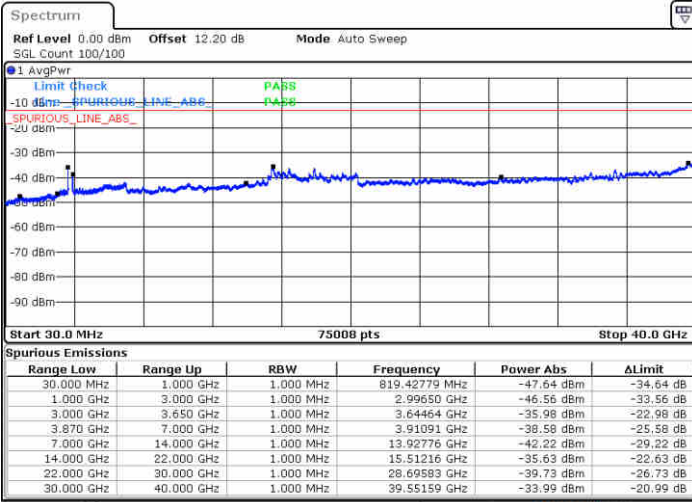
Date: 11.FEB.2021 00:18:35



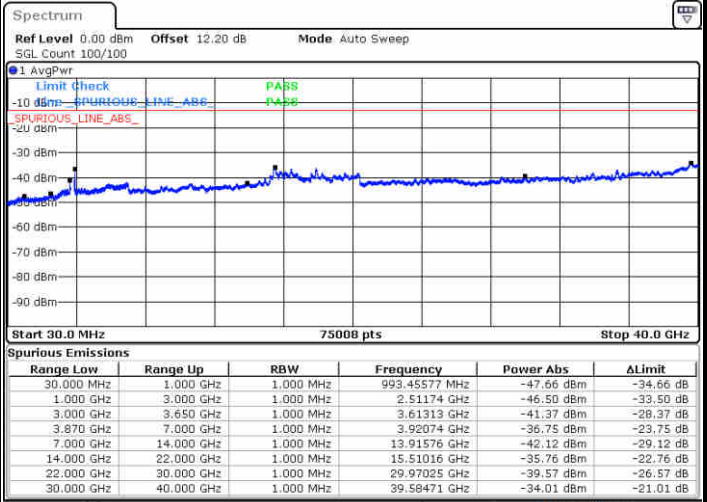
FR1 n78 / 50MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

Middle Channel / 1RB

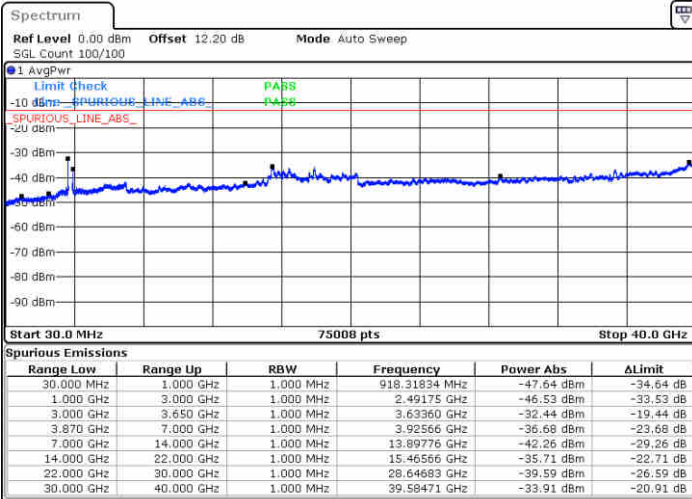


Date: 30.JAN.2021 02:48:18



Date: 30.JAN.2021 02:56:24

Highest Channel / 1RB



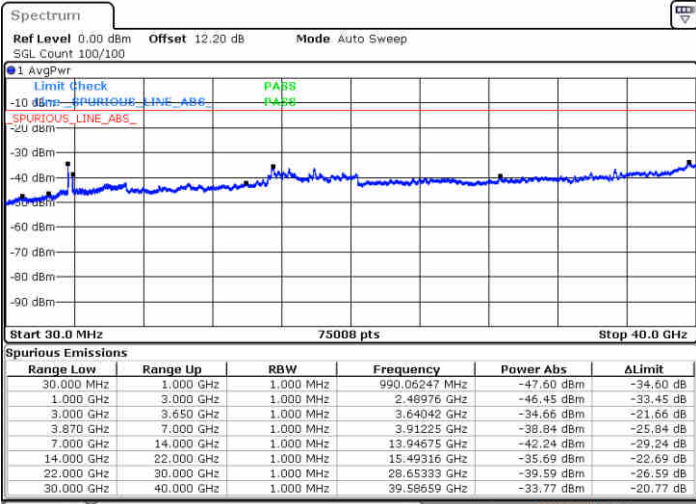
Date: 30.JAN.2021 03:00:11



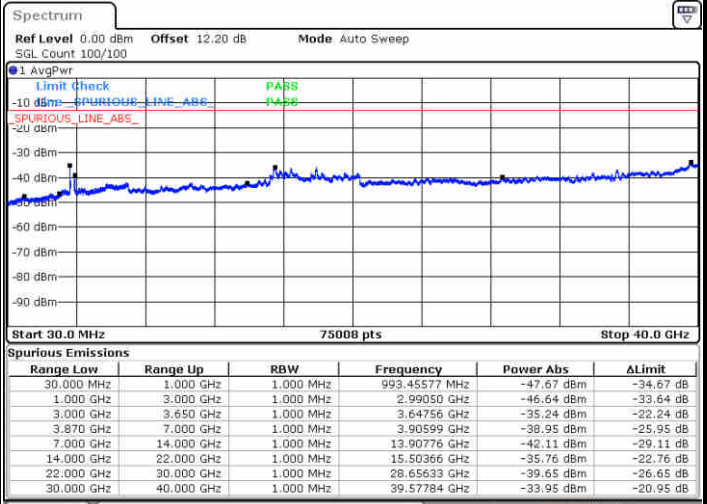
FR1 n78 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB

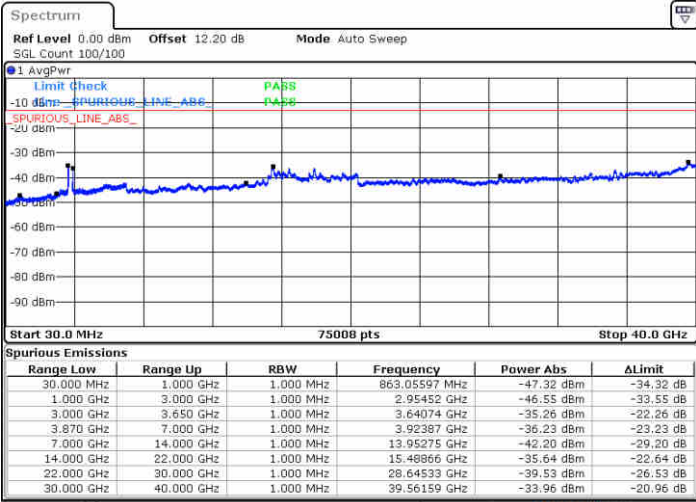


Date: 30.JAN.2021 02:49:34



Date: 30.JAN.2021 02:52:10

Highest Channel / 1RB

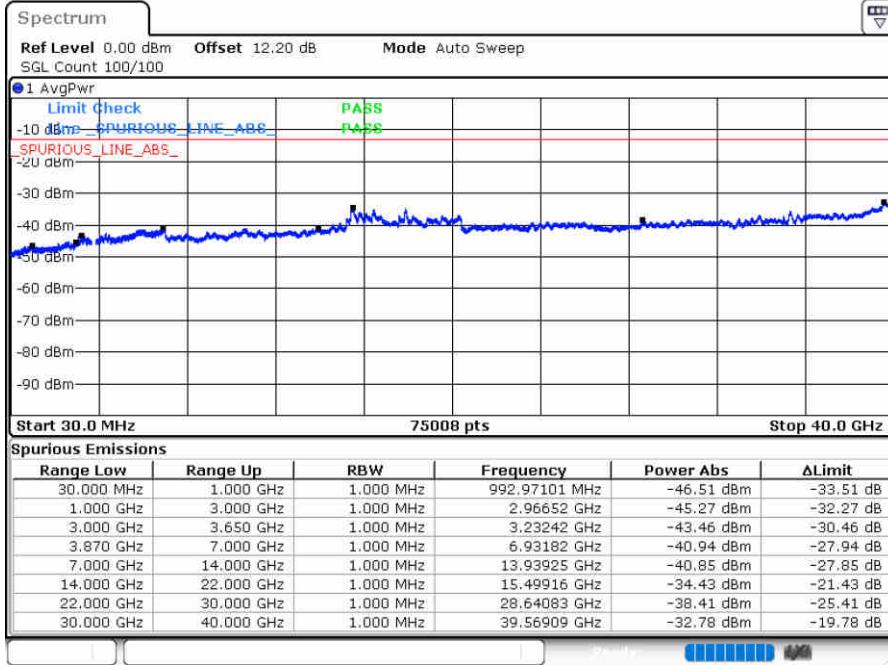


Date: 30.JAN.2021 03:01:30



FR1 n78 / 100MHz / DFT-S OFDM / BPSK

Middle Channel / 1RB

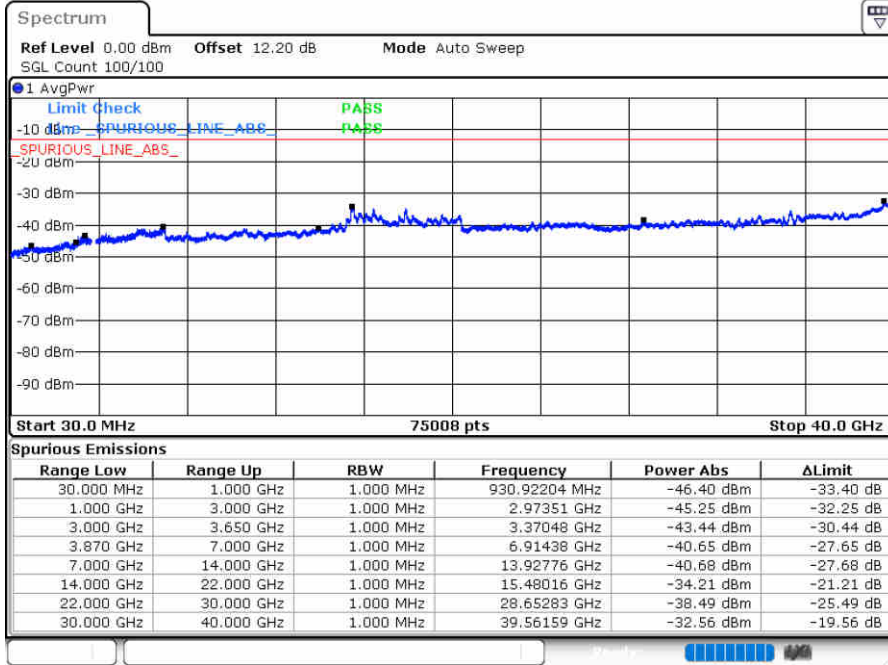


Date: 11, FEB, 2021 00:25:07



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

Middle Channel / 1RB



Date: 11, FEB, 2021 00:26:24



Frequency Stability

| Test Conditions | | NR n78 (BPSK) / Middle Channel | Limit |
|------------------|-------------------|--------------------------------|-------------|
| Temperature (°C) | Voltage (Volt) | BW 20MHz | Within Band |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0018 | PASS |
| 40 | Normal Voltage | 0.0022 | |
| 30 | Normal Voltage | 0.0012 | |
| 20(Ref.) | Normal Voltage | 0.0013 | |
| 10 | Normal Voltage | 0.0035 | |
| 0 | Normal Voltage | 0.0012 | |
| -10 | Normal Voltage | 0.0019 | |
| -20 | Normal Voltage | 0.0025 | |
| -30 | Normal Voltage | 0.0017 | |
| 20 | Maximum Voltage | 0.0019 | |
| 20 | Normal Voltage | 0.0013 | |
| 20 | Battery End Point | 0.0018 | |

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission for SA mode

| 5G NR n7 / NR 20MHz / QPSK DFT-s-OFDM | | | | | | | | | |
|---------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest | 5001.40 | -59.20 | -25 | -34.20 | -76.57 | -64.76 | 7.12 | 12.68 | H |
| | 7502.10 | -54.86 | -25 | -29.86 | -77.19 | -58.19 | 8.26 | 11.59 | H |
| | 10002.80 | -50.88 | -25 | -25.88 | -78.01 | -52.41 | 10.45 | 11.98 | H |
| | 5001.40 | -59.54 | -25 | -34.54 | -76.83 | -65.10 | 7.12 | 12.68 | V |
| | 7502.10 | -54.67 | -25 | -29.67 | -76.91 | -58.00 | 8.26 | 11.59 | V |
| | 10002.80 | -51.71 | -25 | -26.71 | -78.23 | -53.24 | 10.45 | 11.98 | V |
| Middle | 5051.50 | -59.91 | -25 | -34.91 | -77.33 | -65.47 | 7.14 | 12.70 | H |
| | 7577.25 | -55.17 | -25 | -30.17 | -77.36 | -58.47 | 8.30 | 11.60 | H |
| | 10103.00 | -51.30 | -25 | -26.30 | -78.39 | -52.82 | 10.48 | 12.00 | H |
| | 5051.50 | -60.03 | -25 | -35.03 | -77.38 | -65.59 | 7.14 | 12.70 | V |
| | 7577.25 | -55.56 | -25 | -30.56 | -77.56 | -58.86 | 8.30 | 11.60 | V |
| | 10103.00 | -51.79 | -25 | -26.79 | -78.39 | -53.31 | 10.48 | 12.00 | V |
| Highest | 5101.50 | -59.73 | -25 | -34.73 | -77.20 | -65.29 | 7.16 | 12.72 | H |
| | 7652.25 | -54.69 | -25 | -29.69 | -77.02 | -57.99 | 8.33 | 11.63 | H |
| | 10203.00 | -50.96 | -25 | -25.96 | -78.02 | -52.56 | 10.50 | 12.10 | H |
| | 5101.50 | -59.87 | -25 | -34.87 | -77.27 | -65.43 | 7.16 | 12.72 | V |
| | 7652.25 | -54.78 | -25 | -29.78 | -76.94 | -58.08 | 8.33 | 11.63 | V |
| | 10203.00 | -51.51 | -25 | -26.51 | -78.19 | -53.11 | 10.50 | 12.10 | V |

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



| 5G NR n38 / NR 20MHz / QPSK DFT-s-OFDM | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest | 5143.00 | -60.29 | -25 | -35.29 | -77.79 | -65.85 | 7.12 | 12.68 | H |
| | 7714.50 | -54.51 | -25 | -29.51 | -77.03 | -57.84 | 8.26 | 11.59 | H |
| | 10286.00 | -51.94 | -25 | -26.94 | -78.96 | -53.47 | 10.45 | 11.98 | H |
| | 5143.00 | -60.57 | -25 | -35.57 | -78.01 | -66.13 | 7.12 | 12.68 | V |
| | 7714.50 | -54.68 | -25 | -29.68 | -77.12 | -58.01 | 8.26 | 11.59 | V |
| | 10286.00 | -52.28 | -25 | -27.28 | -79.02 | -53.81 | 10.45 | 11.98 | V |
| Middle | 5173.00 | -59.75 | -25 | -34.75 | -77.29 | -65.31 | 7.14 | 12.70 | H |
| | 7759.50 | -54.01 | -25 | -29.01 | -76.69 | -57.31 | 8.30 | 11.60 | H |
| | 10346.00 | -51.47 | -25 | -26.47 | -78.48 | -52.99 | 10.48 | 12.00 | H |
| | 5173.00 | -60.00 | -25 | -35.00 | -77.48 | -65.56 | 7.14 | 12.70 | V |
| | 7759.50 | -53.77 | -25 | -28.77 | -76.43 | -57.07 | 8.30 | 11.60 | V |
| | 10346.00 | -51.72 | -25 | -26.72 | -78.51 | -53.24 | 10.48 | 12.00 | V |
| Highest | 5203.00 | -60.56 | -25 | -35.56 | -78.08 | -66.12 | 7.16 | 12.72 | H |
| | 7804.50 | -54.72 | -25 | -29.72 | -77.57 | -58.02 | 8.33 | 11.63 | H |
| | 10406.00 | -51.94 | -25 | -26.94 | -78.92 | -53.54 | 10.50 | 12.10 | H |
| | 5203.00 | -60.33 | -25 | -35.33 | -77.8 | -65.89 | 7.16 | 12.72 | V |
| | 7804.50 | -54.60 | -25 | -29.60 | -77.48 | -57.90 | 8.33 | 11.63 | V |
| | 10406.00 | -52.28 | -25 | -27.28 | -79.12 | -53.88 | 10.50 | 12.10 | V |

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



| 5G NR n41_HPUE / NR 80MHz / QPSK DFT-s-OFDM | | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest | 4995.00 | -60.50 | -25 | -35.50 | -77.88 | -66.06 | 7.12 | 12.68 | H |
| | 7492.50 | -55.44 | -25 | -30.44 | -77.80 | -58.77 | 8.26 | 11.59 | H |
| | 9990.00 | -52.54 | -25 | -27.54 | -79.65 | -54.07 | 10.45 | 11.98 | H |
| | 4995.00 | -60.26 | -25 | -35.26 | -77.56 | -65.82 | 7.12 | 12.68 | V |
| | 7494.00 | -55.53 | -25 | -30.53 | -77.8 | -58.86 | 8.26 | 11.59 | V |
| | 9990.00 | -53.33 | -25 | -28.33 | -79.85 | -54.86 | 10.45 | 11.98 | V |
| Middle | 5108.94 | -60.71 | -25 | -35.71 | -78.18 | -66.27 | 7.14 | 12.70 | H |
| | 7663.41 | -54.77 | -25 | -29.77 | -77.12 | -58.07 | 8.30 | 11.60 | H |
| | 10217.88 | -51.38 | -25 | -26.38 | -78.43 | -52.90 | 10.48 | 12.00 | H |
| | 5108.94 | -60.71 | -25 | -35.71 | -78.12 | -66.27 | 7.14 | 12.70 | V |
| | 7663.41 | -55.24 | -25 | -30.24 | -77.44 | -58.54 | 8.30 | 11.60 | V |
| | 10217.88 | -52.73 | -25 | -27.73 | -79.42 | -54.25 | 10.48 | 12.00 | V |
| Highest | 5222.94 | -60.88 | -25 | -35.88 | -78.17 | -66.44 | 7.16 | 12.72 | H |
| | 7834.41 | -54.81 | -25 | -29.81 | -77.82 | -58.11 | 8.33 | 11.63 | H |
| | 10445.88 | -51.88 | -25 | -26.88 | -78.85 | -53.48 | 10.50 | 12.10 | H |
| | 5222.94 | -60.81 | -25 | -35.81 | -78.04 | -66.37 | 7.16 | 12.72 | V |
| | 7834.41 | -55.07 | -25 | -30.07 | -78.12 | -58.37 | 8.33 | 11.63 | V |
| | 10445.88 | -52.36 | -25 | -27.36 | -79.23 | -53.96 | 10.50 | 12.10 | V |

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

| 5G NR n41_UL_MIMO / NR 80MHz / QPSK CP OFDM | | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 5108.94 | -59.82 | -25 | -34.82 | -77.29 | -65.38 | 7.14 | 12.70 | H |
| | 7663.41 | -55.01 | -25 | -30.01 | -77.36 | -58.31 | 8.30 | 11.60 | H |
| | 10217.88 | -51.86 | -25 | -26.86 | -78.91 | -53.38 | 10.48 | 12.00 | H |
| | 5108.94 | -59.76 | -25 | -34.76 | -77.17 | -65.32 | 7.14 | 12.70 | V |
| | 7663.41 | -55.11 | -25 | -30.11 | -77.31 | -58.41 | 8.30 | 11.60 | V |
| | 10217.88 | -52.17 | -25 | -27.17 | -78.86 | -53.69 | 10.48 | 12.00 | V |

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



| 5G NR n71 / NR 20MHz / QPSK DFT-s-OFDM | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest | 1327 | -59.10 | -13 | -46.10 | -65.89 | -62.33 | 3.98 | 9.36 | H |
| | 1990.5 | -66.90 | -13 | -53.90 | -74.71 | -70.45 | 4.85 | 10.55 | H |
| | 2654 | -64.11 | -13 | -51.11 | -74.91 | -69.04 | 5.50 | 12.58 | H |
| | 1327 | -59.74 | -13 | -46.74 | -66.45 | -62.97 | 3.98 | 9.36 | V |
| | 1990.5 | -66.05 | -13 | -53.05 | -74.27 | -69.60 | 4.85 | 10.55 | V |
| | 2654 | -63.64 | -13 | -50.64 | -74.76 | -68.57 | 5.50 | 12.58 | V |
| Middle | 1342 | -57.42 | -13 | -44.42 | -64.43 | -60.67 | 4.00 | 9.40 | H |
| | 2013 | -66.29 | -13 | -53.29 | -74.37 | -69.86 | 4.88 | 10.60 | H |
| | 2684 | -63.59 | -13 | -50.59 | -74.63 | -68.52 | 5.52 | 12.60 | H |
| | 1342 | -61.54 | -13 | -48.54 | -68.50 | -64.79 | 4.00 | 9.40 | V |
| | 2013 | -66.11 | -13 | -53.11 | -74.62 | -69.68 | 4.88 | 10.60 | V |
| | 2684 | -63.24 | -13 | -50.24 | -74.59 | -68.17 | 5.52 | 12.60 | V |
| Highest | 1357 | -62.79 | -13 | -49.79 | -70.12 | -65.96 | 4.10 | 9.42 | H |
| | 2035.5 | -65.70 | -13 | -52.70 | -74.18 | -69.28 | 4.90 | 10.63 | H |
| | 2714 | -63.33 | -13 | -50.33 | -74.62 | -68.25 | 5.55 | 12.62 | H |
| | 1357 | -61.85 | -13 | -48.85 | -69.16 | -65.02 | 4.10 | 9.42 | V |
| | 2035.5 | -65.58 | -13 | -52.58 | -74.47 | -69.16 | 4.90 | 10.63 | V |
| | 2714 | -63.00 | -13 | -50.00 | -74.58 | -67.92 | 5.55 | 12.62 | V |

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



| 5G NR n77_HPUE / NR 100MHz / QPSK DFT-s-OFDM | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest | 7402.60 | -57.78 | -13 | -44.78 | -55.23 | -63.34 | 7.12 | 12.68 | H |
| | 11103.90 | -52.24 | -13 | -39.24 | -56.66 | -55.57 | 8.26 | 11.59 | H |
| | 14805.20 | -50.65 | -13 | -37.65 | -57.23 | -52.18 | 10.45 | 11.98 | H |
| | 7402.60 | -56.19 | -13 | -43.19 | -53.69 | -61.75 | 7.12 | 12.68 | V |
| | 11103.90 | -52.36 | -13 | -39.36 | -56.48 | -55.69 | 8.26 | 11.59 | V |
| | 14805.20 | -50.21 | -13 | -37.21 | -56.98 | -51.74 | 10.45 | 11.98 | V |
| Middle | 7582.80 | -57.91 | -13 | -44.91 | -54.78 | -63.47 | 7.14 | 12.70 | H |
| | 11374.20 | -51.54 | -13 | -38.54 | -57.21 | -54.84 | 8.30 | 11.60 | H |
| | 15165.60 | -52.23 | -13 | -39.23 | -57.41 | -53.75 | 10.48 | 12.00 | H |
| | 7582.80 | -54.85 | -13 | -41.85 | -51.51 | -60.41 | 7.14 | 12.70 | V |
| | 11374.20 | -51.44 | -13 | -38.44 | -56.91 | -54.74 | 8.30 | 11.60 | V |
| | 15165.60 | -51.45 | -13 | -38.45 | -56.94 | -52.97 | 10.48 | 12.00 | V |
| Highest | 7763.00 | -57.88 | -13 | -44.88 | -55.01 | -63.44 | 7.16 | 12.72 | H |
| | 11644.50 | -51.47 | -13 | -38.47 | -57.10 | -54.77 | 8.33 | 11.63 | H |
| | 15526.00 | -54.04 | -13 | -41.04 | -57.45 | -55.64 | 10.50 | 12.10 | H |
| | 7763.00 | -56.84 | -13 | -43.84 | -53.95 | -62.40 | 7.16 | 12.72 | V |
| | 11644.50 | -51.88 | -13 | -38.88 | -57.54 | -55.18 | 8.33 | 11.63 | V |
| | 15526.00 | -53.98 | -13 | -40.98 | -57.59 | -55.58 | 10.50 | 12.10 | V |

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

| 5G NR n77_UL_MIMO / NR 100MHz / QPSK CP OFDM | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 7582.80 | -58.09 | -13 | -45.09 | -54.96 | -63.65 | 7.14 | 12.70 | H |
| | 11374.20 | -52.33 | -13 | -39.33 | -58.00 | -55.63 | 8.30 | 11.60 | H |
| | 15165.60 | -52.90 | -13 | -39.90 | -58.08 | -54.42 | 10.48 | 12.00 | H |
| | 7582.80 | -58.18 | -13 | -45.18 | -54.84 | -63.74 | 7.14 | 12.70 | V |
| | 11374.20 | -51.79 | -13 | -38.79 | -57.26 | -55.09 | 8.30 | 11.60 | V |
| | 15165.60 | -52.45 | -13 | -39.45 | -57.94 | -53.97 | 10.48 | 12.00 | V |

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



| 5G NR n78_HPUE / NR 100MHz / QPSK DFT-s-OFDM | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 7402.50 | -57.18 | -13 | -44.18 | -54.63 | -62.74 | 7.14 | 12.70 | H |
| | 11103.75 | -51.98 | -13 | -38.98 | -56.40 | -55.28 | 8.30 | 11.60 | H |
| | 14805.00 | -50.90 | -13 | -37.90 | -57.48 | -52.42 | 10.48 | 12.00 | H |
| | 7402.50 | -52.65 | -13 | -39.65 | -50.15 | -58.21 | 7.14 | 12.70 | V |
| | 11103.75 | -52.53 | -13 | -39.53 | -56.65 | -55.83 | 8.30 | 11.60 | V |
| | 14805.00 | -50.65 | -13 | -37.65 | -57.42 | -52.17 | 10.48 | 12.00 | V |

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

| 5G NR n78_UL_MIMO / NR 100MHz / QPSK CP OFDM | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | 7402.50 | -57.49 | -13 | -44.49 | -54.94 | -63.05 | 7.14 | 12.70 | H |
| | 11103.75 | -52.22 | -13 | -39.22 | -56.64 | -55.52 | 8.30 | 11.60 | H |
| | 14805.00 | -51.30 | -13 | -38.30 | -57.88 | -52.82 | 10.48 | 12.00 | H |
| | 7402.50 | -52.79 | -13 | -39.79 | -50.29 | -58.35 | 7.14 | 12.70 | V |
| | 11103.75 | -52.93 | -13 | -39.93 | -57.05 | -56.23 | 8.30 | 11.60 | V |
| | 14805.00 | -50.74 | -13 | -37.74 | -57.51 | -52.26 | 10.48 | 12.00 | V |

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



Radiated Spurious Emission for NSA mode

| EN-DC_41A_n41A / LTE 20MHz + NR 80MHz / QPSK DFT-s-OFDM | | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| NR n41 Lowest | 5003.10 | -60.06 | -25 | -35.06 | -77.43 | -65.62 | 7.12 | 12.68 | H |
| | 7504.65 | -55.55 | -25 | -30.55 | -77.87 | -58.88 | 8.26 | 11.59 | H |
| | 10006.20 | -52.05 | -25 | -27.05 | -79.18 | -53.58 | 10.45 | 11.98 | H |
| | 5003.10 | -60.15 | -25 | -35.15 | -77.44 | -65.71 | 7.12 | 12.68 | V |
| | 7504.65 | -55.31 | -25 | -30.31 | -77.54 | -58.64 | 8.26 | 11.59 | V |
| | 10006.20 | -52.65 | -25 | -27.65 | -79.17 | -54.18 | 10.45 | 11.98 | V |
| LTE Band41 Lowest | 5168.00 | -59.95 | -25 | -34.95 | -77.47 | -65.51 | 7.14 | 12.70 | H |
| | 7752.00 | -54.78 | -25 | -29.78 | -77.44 | -58.08 | 8.30 | 11.60 | H |
| | 10336.00 | -51.76 | -25 | -26.76 | -78.77 | -53.28 | 10.48 | 12.00 | H |
| | 5168.00 | -59.94 | -25 | -34.94 | -77.41 | -65.50 | 7.14 | 12.70 | V |
| | 7752.00 | -54.56 | -25 | -29.56 | -77.19 | -57.86 | 8.30 | 11.60 | V |
| | 10336.00 | -52.26 | -25 | -27.26 | -79.04 | -53.78 | 10.48 | 12.00 | V |
| NR n41 Middle | 5112.90 | -60.18 | -25 | -35.18 | -77.65 | -65.74 | 7.14 | 12.70 | H |
| | 7669.35 | -55.02 | -25 | -30.02 | -77.42 | -58.32 | 8.30 | 11.60 | H |
| | 10225.80 | -51.30 | -25 | -26.30 | -78.35 | -52.82 | 10.48 | 12.00 | H |
| | 5112.90 | -60.28 | -25 | -35.28 | -77.69 | -65.84 | 7.14 | 12.70 | V |
| | 7669.35 | -55.25 | -25 | -30.25 | -77.51 | -58.55 | 8.30 | 11.60 | V |
| | 10225.80 | -52.14 | -25 | -27.14 | -78.84 | -53.66 | 10.48 | 12.00 | V |
| LTE Band41 Middle | 5168.00 | -60.03 | -25 | -35.03 | -77.55 | -65.59 | 7.14 | 12.70 | H |
| | 7752.00 | -54.59 | -25 | -29.59 | -77.25 | -57.89 | 8.30 | 11.60 | H |
| | 10336.00 | -51.18 | -25 | -26.18 | -78.19 | -52.70 | 10.48 | 12.00 | H |
| | 5168.00 | -60.18 | -25 | -35.18 | -77.65 | -65.74 | 7.14 | 12.70 | V |
| | 7752.00 | -54.67 | -25 | -29.67 | -77.3 | -57.97 | 8.30 | 11.60 | V |
| | 10336.00 | -51.98 | -25 | -26.98 | -78.76 | -53.50 | 10.48 | 12.00 | V |
| NR n41 Highest | 5223.10 | -60.13 | -25 | -35.13 | -77.41 | -65.69 | 7.16 | 12.72 | H |
| | 7834.65 | -54.81 | -25 | -29.81 | -77.83 | -58.11 | 8.33 | 11.63 | H |
| | 10446.20 | -51.49 | -25 | -26.49 | -78.46 | -53.09 | 10.50 | 12.10 | H |
| | 5223.10 | -60.52 | -25 | -35.52 | -77.75 | -66.08 | 7.16 | 12.72 | V |
| | 7834.65 | -54.77 | -25 | -29.77 | -77.82 | -58.07 | 8.33 | 11.63 | V |
| | 10446.20 | -51.71 | -25 | -26.71 | -78.58 | -53.31 | 10.50 | 12.10 | V |
| LTE Band41 Highest | 5168.00 | -59.86 | -25 | -34.86 | -77.38 | -65.42 | 7.14 | 12.70 | H |
| | 7752.00 | -54.57 | -25 | -29.57 | -77.23 | -57.87 | 8.30 | 11.60 | H |
| | 10336.00 | -51.69 | -25 | -26.69 | -78.70 | -53.21 | 10.48 | 12.00 | H |
| | 5168.00 | -59.98 | -25 | -34.98 | -77.45 | -65.54 | 7.14 | 12.70 | V |
| | 7752.00 | -54.51 | -25 | -29.51 | -77.14 | -57.81 | 8.30 | 11.60 | V |
| | 10336.00 | -51.96 | -25 | -26.96 | -78.74 | -53.48 | 10.48 | 12.00 | V |

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



| EN-DC_2A_n71A / LTE 20MHz + NR 20MHz / QPSK DFT-s-OFDM | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| NR n71 Lowest | 1327.46 | -65.51 | -13 | -52.51 | -72.31 | -70.89 | 3.98 | 9.36 | H |
| | 1991.19 | -66.18 | -13 | -53.18 | -73.99 | -71.88 | 4.85 | 10.55 | H |
| | 2654.92 | -63.55 | -13 | -50.55 | -74.35 | -70.63 | 5.50 | 12.58 | H |
| | 1327.46 | -65.21 | -13 | -52.21 | -71.93 | -70.59 | 3.98 | 9.36 | V |
| | 1991.19 | -65.44 | -13 | -52.44 | -73.66 | -71.14 | 4.85 | 10.55 | V |
| | 2654.92 | -63.37 | -13 | -50.37 | -74.5 | -70.45 | 5.50 | 12.58 | V |
| LTE Band2 Lowest | 3742.18 | -61.56 | -13 | -48.56 | -76.19 | -68.31 | 5.85 | 12.60 | H |
| | 5613.27 | -60.70 | -13 | -47.70 | -78.42 | -66.50 | 7.30 | 13.10 | H |
| | 7484.36 | -55.53 | -13 | -42.53 | -77.94 | -58.68 | 8.35 | 11.50 | H |
| | 3742.18 | -61.50 | -13 | -48.50 | -76.34 | -68.25 | 5.85 | 12.60 | V |
| | 5613.27 | -60.71 | -13 | -47.71 | -78.34 | -66.51 | 7.30 | 13.10 | V |
| | 7484.36 | -55.72 | -13 | -42.72 | -78.06 | -58.87 | 8.35 | 11.50 | V |
| NR n71 Middle | 1342.46 | -64.80 | -13 | -51.80 | -71.82 | -70.20 | 4.00 | 9.40 | H |
| | 2013.69 | -65.96 | -13 | -52.96 | -74.05 | -71.68 | 4.88 | 10.60 | H |
| | 2684.92 | -63.15 | -13 | -50.15 | -74.20 | -70.23 | 5.52 | 12.60 | H |
| | 1342.46 | -65.16 | -13 | -52.16 | -72.12 | -70.56 | 4.00 | 9.40 | V |
| | 2013.69 | -65.49 | -13 | -52.49 | -74.01 | -71.21 | 4.88 | 10.60 | V |
| | 2684.92 | -62.80 | -13 | -49.80 | -74.16 | -69.88 | 5.52 | 12.60 | V |
| LTE Band2 Middle | 3742.18 | -61.23 | -13 | -48.23 | -75.86 | -67.98 | 5.85 | 12.60 | H |
| | 5613.27 | -60.42 | -13 | -47.42 | -78.14 | -66.22 | 7.30 | 13.10 | H |
| | 7484.36 | -55.21 | -13 | -42.21 | -77.62 | -58.36 | 8.35 | 11.50 | H |
| | 3742.18 | -61.45 | -13 | -48.45 | -76.29 | -68.20 | 5.85 | 12.60 | V |
| | 5613.27 | -60.40 | -13 | -47.40 | -78.03 | -66.20 | 7.30 | 13.10 | V |
| | 7484.36 | -55.42 | -13 | -42.42 | -77.76 | -58.57 | 8.35 | 11.50 | V |
| NR n71 Highest | 1357.46 | -64.38 | -13 | -51.38 | -71.71 | -69.70 | 4.10 | 9.42 | H |
| | 2036.19 | -65.18 | -13 | -52.18 | -73.67 | -70.91 | 4.90 | 10.63 | H |
| | 2714.92 | -63.02 | -13 | -50.02 | -74.32 | -70.09 | 5.55 | 12.62 | H |
| | 1357.46 | -64.44 | -13 | -51.44 | -71.75 | -69.76 | 4.10 | 9.42 | V |
| | 2036.19 | -65.23 | -13 | -52.23 | -74.13 | -70.96 | 4.90 | 10.63 | V |
| | 2714.92 | -62.70 | -13 | -49.70 | -74.28 | -69.77 | 5.55 | 12.62 | V |
| LTE Band2 Highest | 3742.18 | -61.74 | -13 | -48.74 | -71.75 | -68.49 | 5.85 | 12.60 | H |
| | 5613.27 | -60.79 | -13 | -47.79 | -74.13 | -66.59 | 7.30 | 13.10 | H |
| | 7484.36 | -55.69 | -13 | -42.69 | -74.28 | -58.84 | 8.35 | 11.50 | H |
| | 3742.18 | -61.29 | -13 | -48.29 | -76.13 | -68.04 | 5.85 | 12.60 | V |
| | 5613.27 | -60.96 | -13 | -47.96 | -78.59 | -66.76 | 7.30 | 13.10 | V |
| | 7484.36 | -55.90 | -13 | -42.90 | -78.24 | -59.05 | 8.35 | 11.50 | V |

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



| EN-DC_2A_n77A / LTE 20MHz + NR 100MHz / QPSK DFT-s-OFDM | | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| NR n77 Lowest | 7402.80 | -55.72 | -13 | -42.72 | -78.43 | -61.28 | 7.12 | 12.68 | H |
| | 11104.20 | -49.77 | -13 | -36.77 | -79.02 | -53.10 | 8.26 | 11.59 | H |
| | 14805.60 | -46.38 | -13 | -33.38 | -78.42 | -47.91 | 10.45 | 11.98 | H |
| | 7402.80 | -55.50 | -13 | -42.50 | -78.26 | -61.06 | 7.12 | 12.68 | V |
| | 11104.20 | -49.86 | -13 | -36.86 | -78.81 | -53.19 | 8.26 | 11.59 | V |
| | 14805.60 | -46.04 | -13 | -33.04 | -78.27 | -47.57 | 10.45 | 11.98 | V |
| LTE Band2 Lowest | 3742.18 | -58.73 | -13 | -45.73 | -73.36 | -65.48 | 5.85 | 12.60 | H |
| | 5613.27 | -60.46 | -13 | -47.46 | -78.18 | -66.26 | 7.30 | 13.10 | H |
| | 7484.36 | -56.04 | -13 | -43.04 | -78.45 | -59.19 | 8.35 | 11.50 | H |
| | 3742.18 | -59.28 | -13 | -46.28 | -74.12 | -66.03 | 5.85 | 12.60 | V |
| | 5613.27 | -60.98 | -13 | -47.98 | -78.61 | -66.78 | 7.30 | 13.10 | V |
| | 7484.36 | -56.02 | -13 | -43.02 | -78.36 | -59.17 | 8.35 | 11.50 | V |
| NR n77 Middle | 7582.80 | -56.03 | -13 | -43.03 | -78.21 | -61.59 | 7.14 | 12.70 | H |
| | 11374.20 | -49.31 | -13 | -36.31 | -79.35 | -52.61 | 8.30 | 11.60 | H |
| | 15165.60 | -47.81 | -13 | -34.81 | -78.51 | -49.33 | 10.48 | 12.00 | H |
| | 7582.80 | -56.36 | -13 | -43.36 | -78.33 | -61.92 | 7.14 | 12.70 | V |
| | 11374.20 | -49.38 | -13 | -36.38 | -79.22 | -52.68 | 8.30 | 11.60 | V |
| | 15165.60 | -46.95 | -13 | -33.95 | -77.96 | -48.47 | 10.48 | 12.00 | V |
| LTE Band2 Middle | 3742.18 | -61.80 | -13 | -48.80 | -76.43 | -68.55 | 5.85 | 12.60 | H |
| | 5613.27 | -60.69 | -13 | -47.69 | -78.41 | -66.49 | 7.30 | 13.10 | H |
| | 7484.36 | -55.76 | -13 | -42.76 | -78.17 | -58.91 | 8.35 | 11.50 | H |
| | 3742.18 | -61.08 | -13 | -48.08 | -75.92 | -67.83 | 5.85 | 12.60 | V |
| | 5613.27 | -60.98 | -13 | -47.98 | -78.61 | -66.78 | 7.30 | 13.10 | V |
| | 7484.36 | -55.97 | -13 | -42.97 | -78.31 | -59.12 | 8.35 | 11.50 | V |
| NR n77 Highest | 7762.80 | -55.34 | -13 | -42.34 | -78.03 | -60.90 | 7.16 | 12.72 | H |
| | 11644.20 | -49.04 | -13 | -36.04 | -78.66 | -52.34 | 8.33 | 11.63 | H |
| | 15525.60 | -49.51 | -13 | -36.51 | -78.56 | -51.11 | 10.50 | 12.10 | H |
| | 7762.80 | -55.18 | -13 | -42.18 | -77.85 | -60.74 | 7.16 | 12.72 | V |
| | 11644.20 | -49.19 | -13 | -36.19 | -78.84 | -52.49 | 8.33 | 11.63 | V |
| | 15525.60 | -49.17 | -13 | -36.17 | -78.42 | -50.77 | 10.50 | 12.10 | V |
| LTE Band2 Highest | 3742.18 | -61.70 | -13 | -48.70 | -76.33 | -68.45 | 5.85 | 12.60 | H |
| | 5613.27 | -60.71 | -13 | -47.71 | -78.43 | -66.51 | 7.30 | 13.10 | H |
| | 7484.36 | -55.94 | -13 | -42.94 | -78.35 | -59.09 | 8.35 | 11.50 | H |
| | 3742.18 | -61.79 | -13 | -48.79 | -76.63 | -68.54 | 5.85 | 12.60 | V |
| | 5613.27 | -61.01 | -13 | -48.01 | -78.64 | -66.81 | 7.30 | 13.10 | V |
| | 7484.36 | -55.95 | -13 | -42.95 | -78.29 | -59.10 | 8.35 | 11.50 | V |

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



| EN-DC_2A_n78A / LTE 20MHz + NR 50MHz / QPSK DFT-s-OFDM | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| NR n78 Middle | 7402.50 | -57.12 | -13 | -44.12 | -54.57 | -62.68 | 7.14 | 12.70 | H |
| | 11103.75 | -53.40 | -13 | -40.40 | -57.82 | -56.70 | 8.30 | 11.60 | H |
| | 14805.00 | -51.25 | -13 | -38.25 | -57.83 | -52.77 | 10.48 | 12.00 | H |
| | 7402.50 | -57.36 | -13 | -44.36 | -54.86 | -62.92 | 7.14 | 12.70 | V |
| | 11103.75 | -53.33 | -13 | -40.33 | -57.45 | -56.63 | 8.30 | 11.60 | V |
| | 14805.00 | -50.50 | -13 | -37.50 | -57.27 | -52.02 | 10.48 | 12.00 | V |
| LTE Band2 Middle | 3742.18 | -63.72 | -13 | -50.72 | -54.25 | -70.47 | 5.85 | 12.60 | H |
| | 5613.27 | -62.42 | -13 | -49.42 | -55.04 | -68.22 | 7.30 | 13.10 | H |
| | 7484.36 | -58.04 | -13 | -45.04 | -55.23 | -61.19 | 8.35 | 11.50 | H |
| | 3742.18 | -63.92 | -13 | -50.92 | -54.66 | -70.67 | 5.85 | 12.60 | V |
| | 5613.27 | -62.51 | -13 | -49.51 | -55.04 | -68.31 | 7.30 | 13.10 | V |
| | 7484.36 | -57.73 | -13 | -44.73 | -54.85 | -60.88 | 8.35 | 11.50 | V |

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