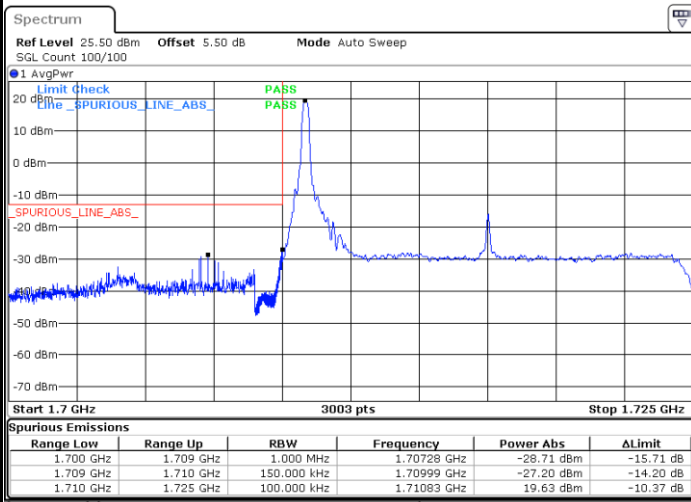




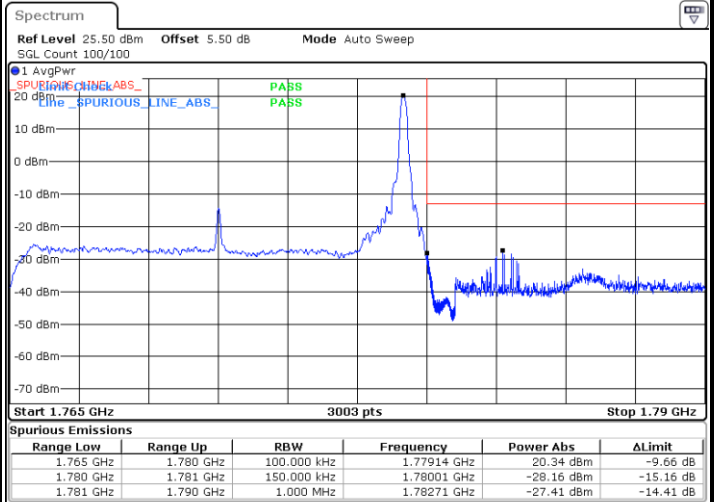
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



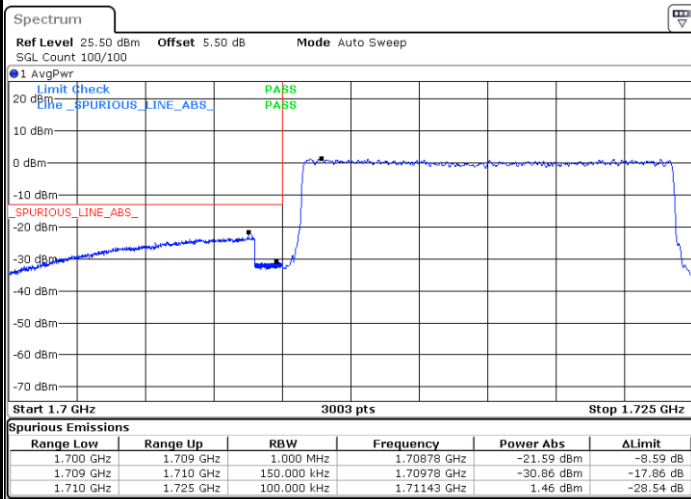
Date: 22 APR 2021 12:13:48

Highest Band Edge / 1 RB



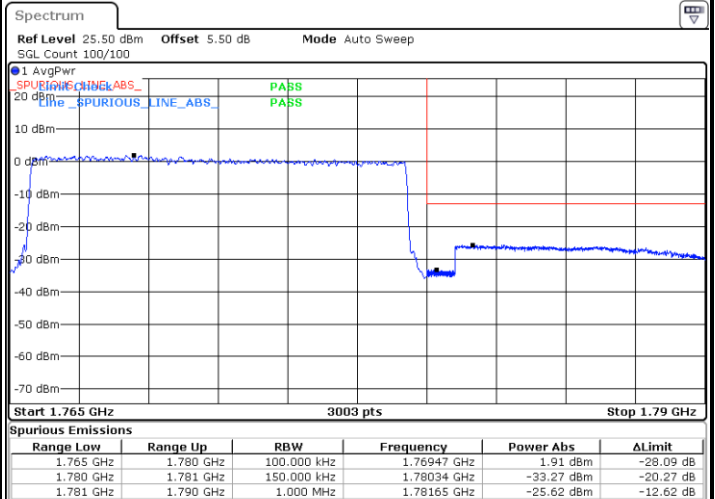
Date: 22 APR 2021 12:26:09

Lowest Band Edge / Full RB



Date: 22 APR 2021 12:16:52

Highest Band Edge / Full RB

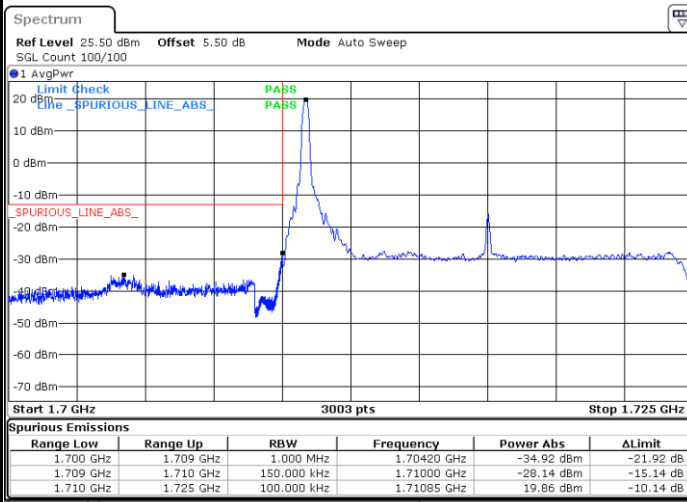


Date: 22 APR 2021 12:27:17



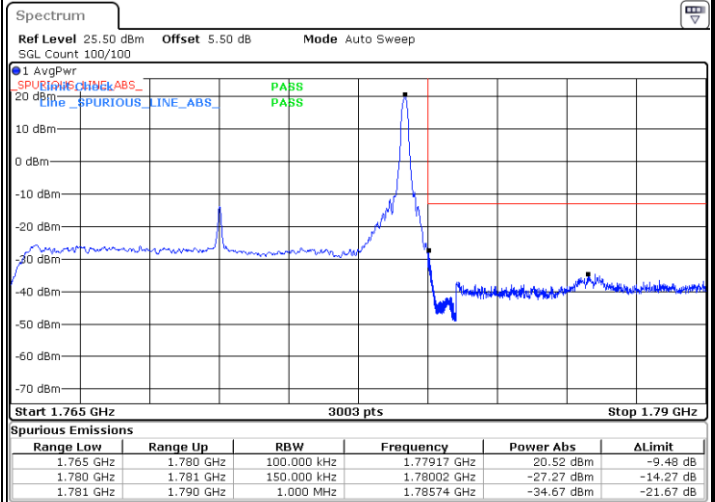
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



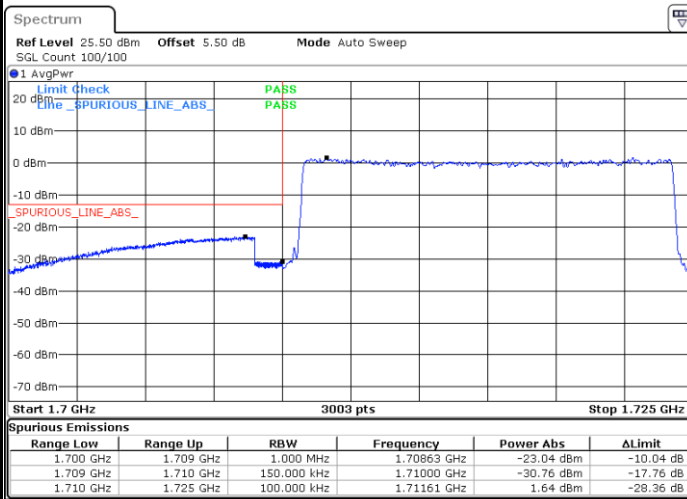
Date: 22 APR 2021 12:15:58

Highest Band Edge / 1 RB



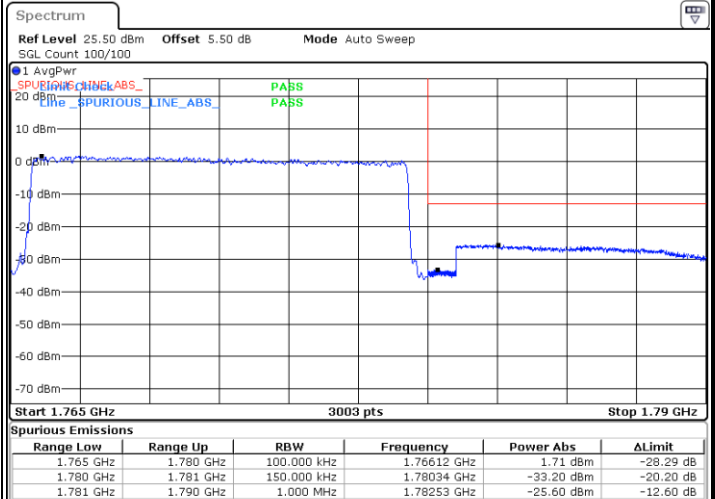
Date: 22 APR 2021 12:26:27

Lowest Band Edge / Full RB



Date: 22 APR 2021 12:16:31

Highest Band Edge / Full RB

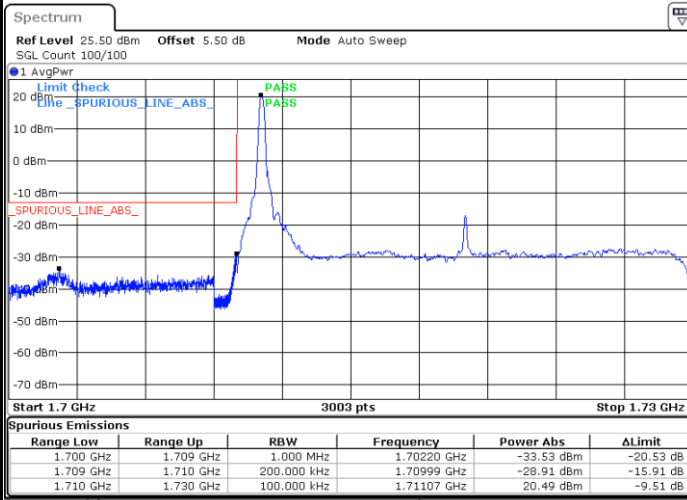


Date: 22 APR 2021 12:26:59



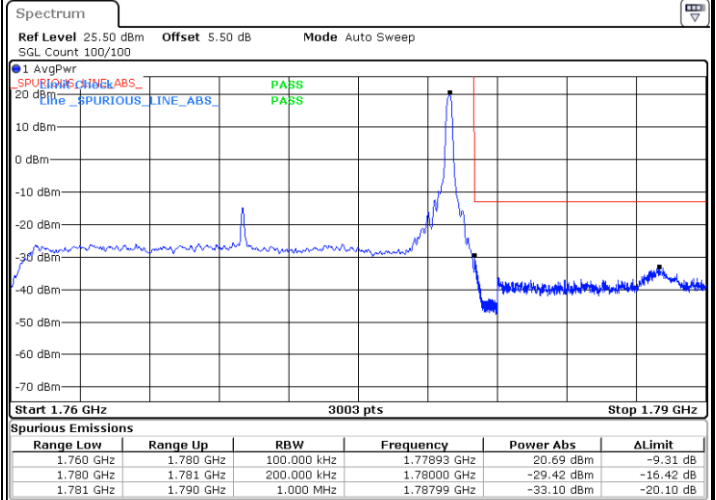
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



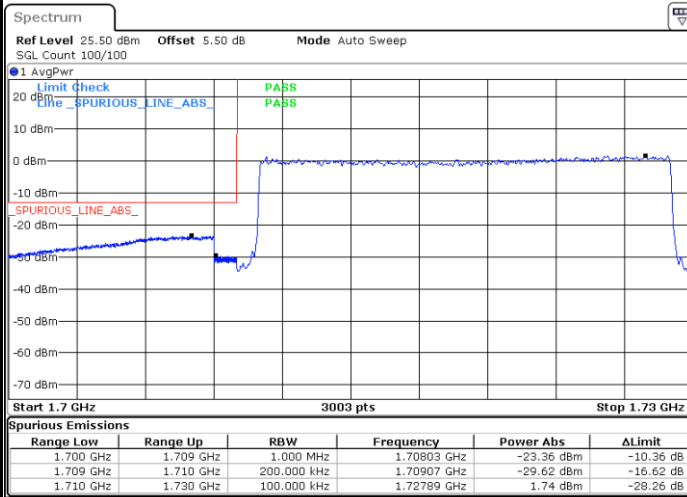
Date: 22 APR 2021 12:02:15

Highest Band Edge / 1 RB



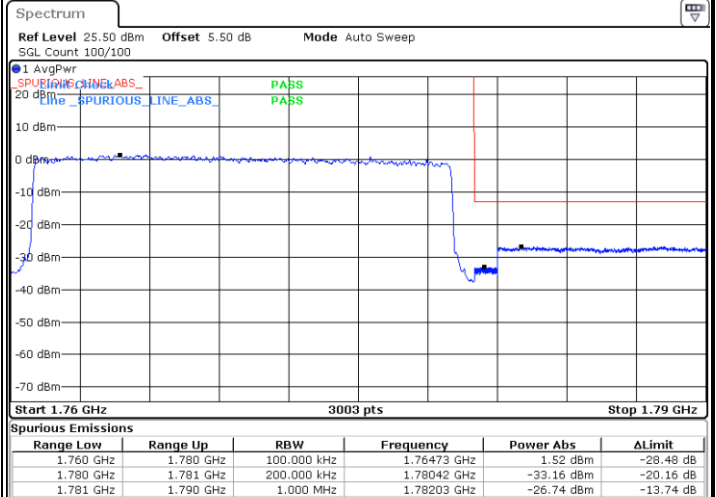
Date: 22 APR 2021 12:07:10

Lowest Band Edge / Full RB



Date: 22 APR 2021 12:05:05

Highest Band Edge / Full RB

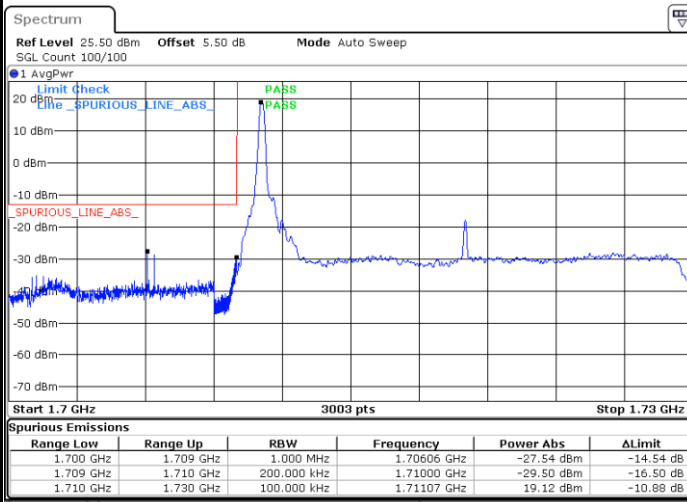


Date: 22 APR 2021 12:08:44



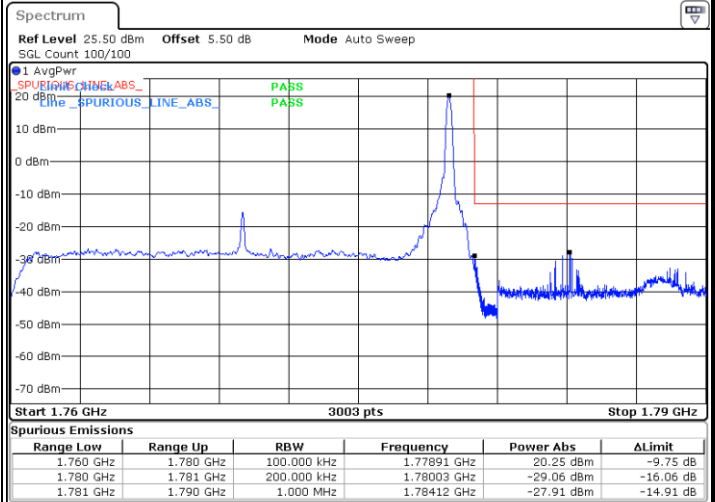
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



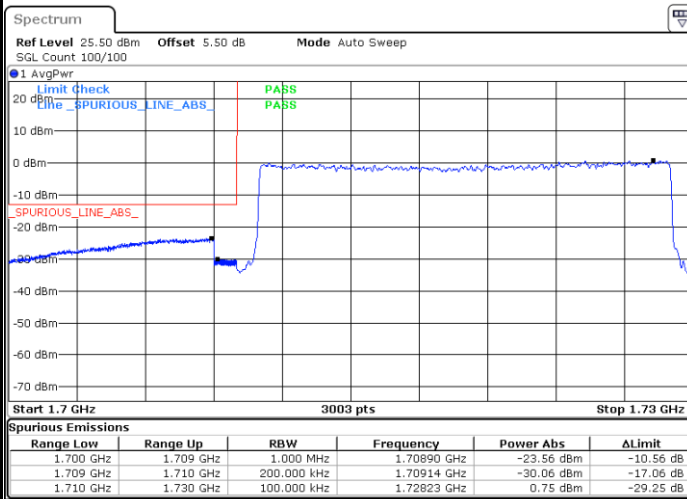
Date: 22 APR 2021 12:03:39

Highest Band Edge / 1 RB



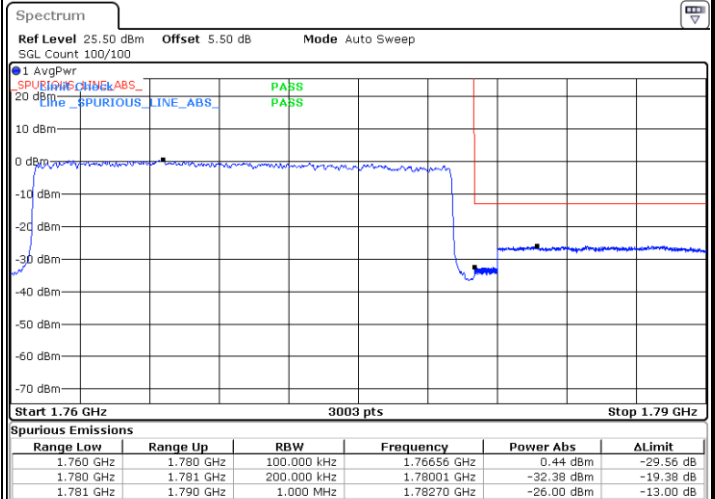
Date: 22 APR 2021 12:07:28

Lowest Band Edge / Full RB



Date: 22 APR 2021 12:04:46

Highest Band Edge / Full RB

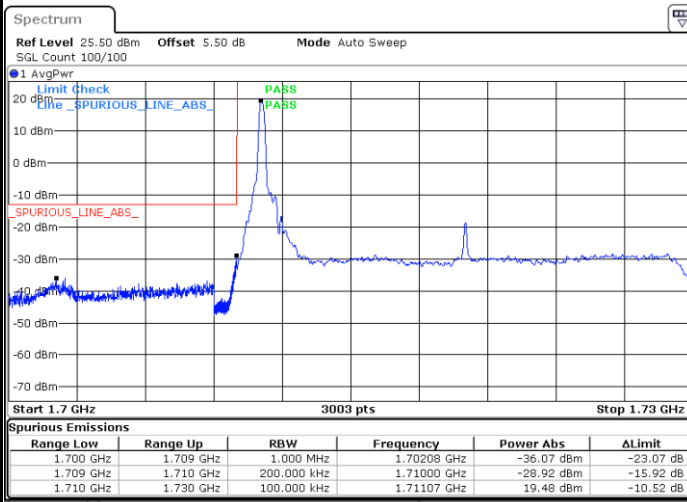


Date: 22 APR 2021 12:08:26



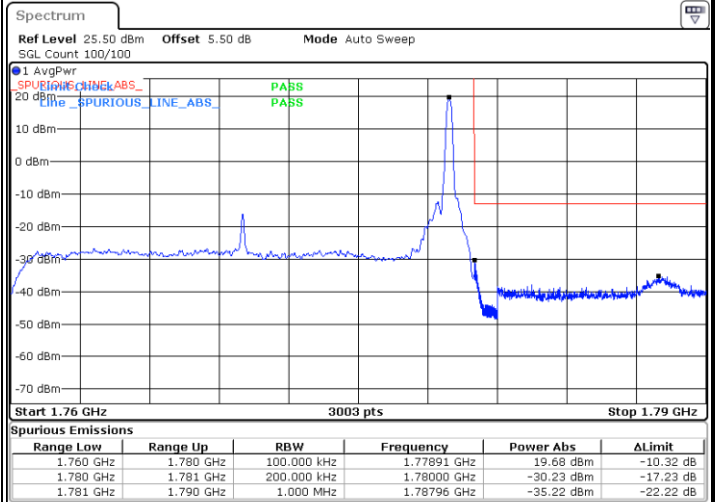
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



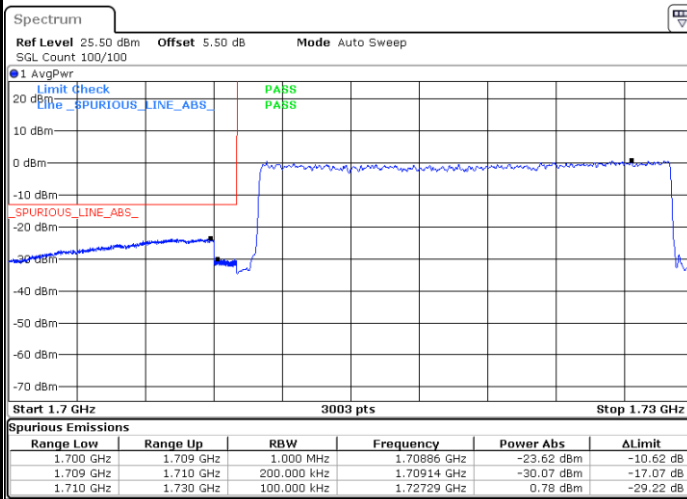
Date: 22 APR 2021 12:03:59

Highest Band Edge / 1 RB



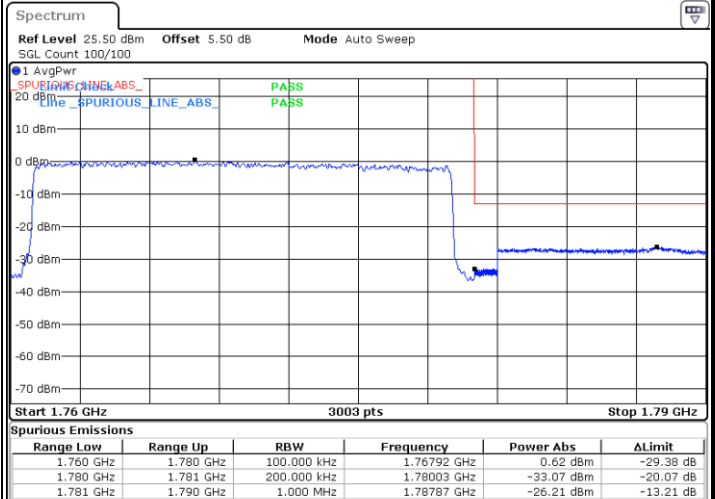
Date: 22 APR 2021 12:07:44

Lowest Band Edge / Full RB



Date: 22 APR 2021 12:04:20

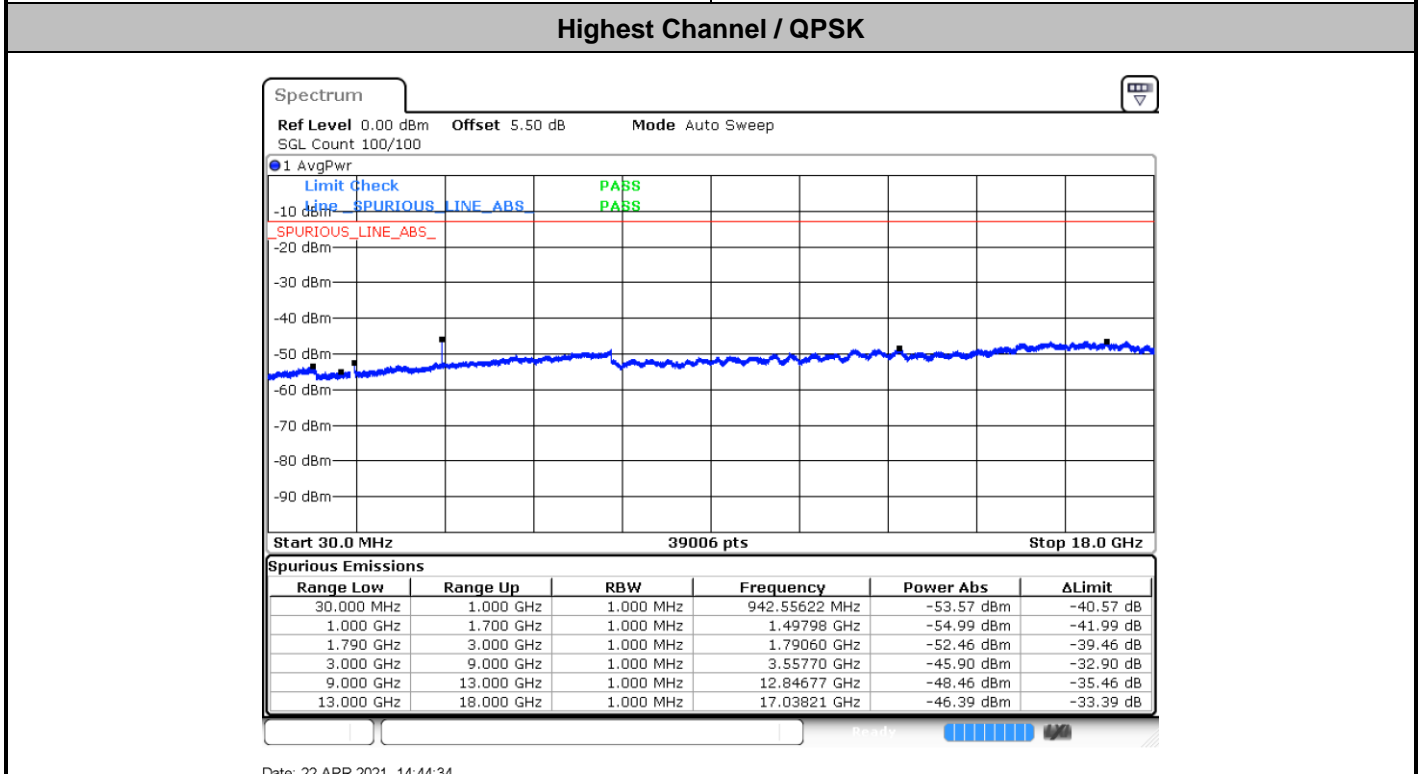
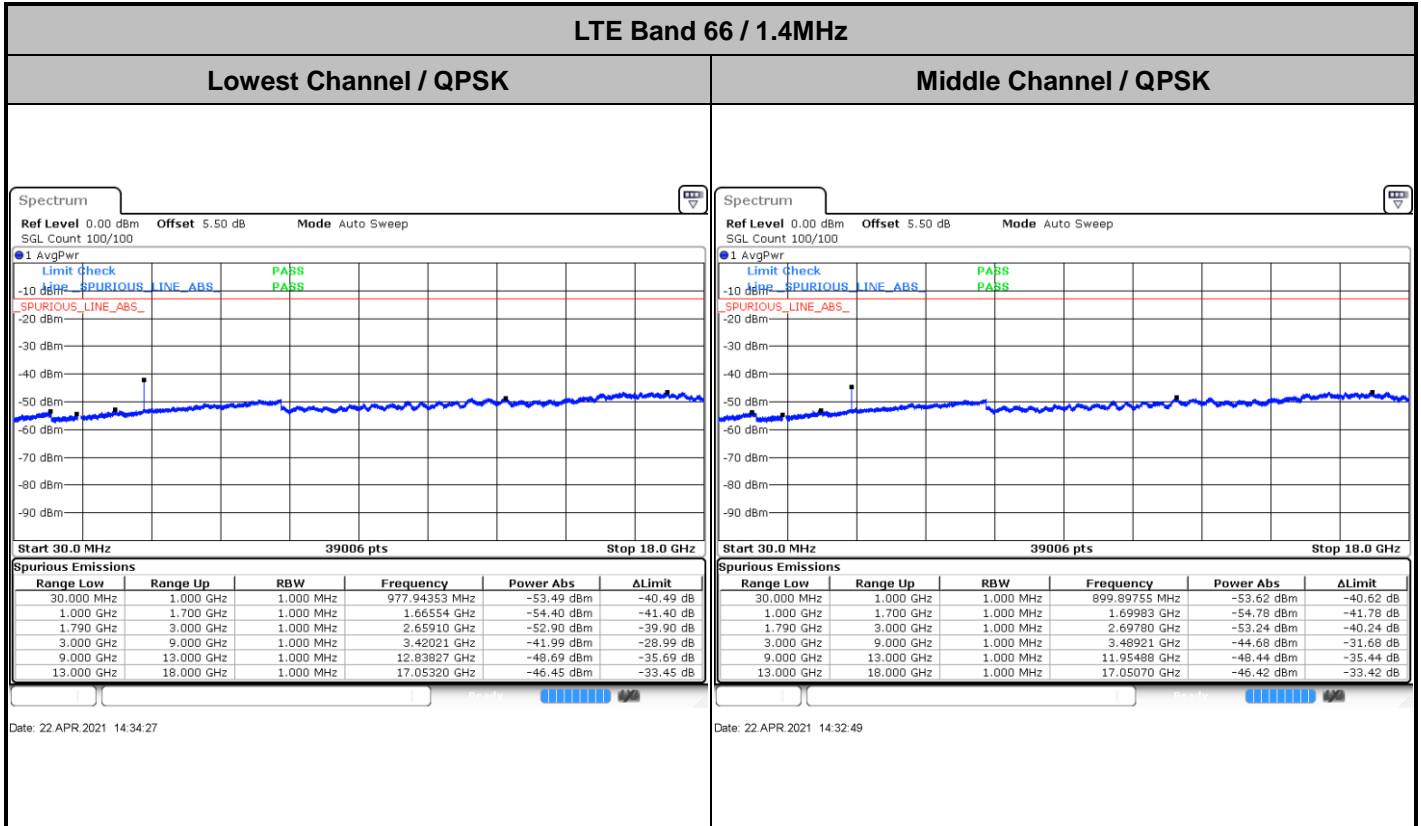
Highest Band Edge / Full RB



Date: 22 APR 2021 12:08:04



Conducted Spurious Emission

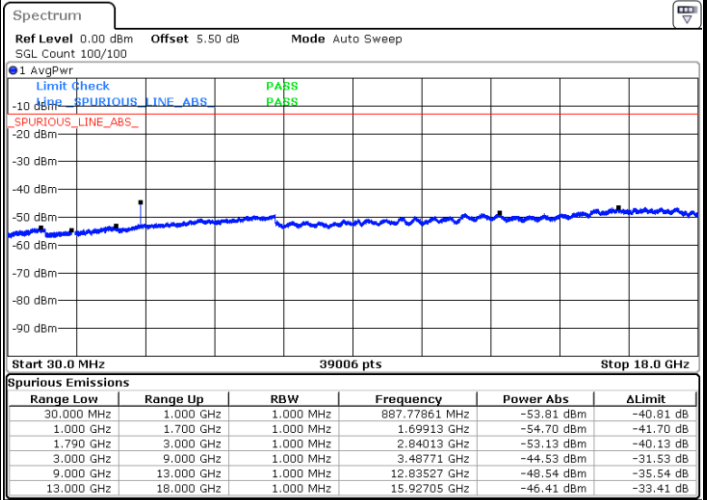
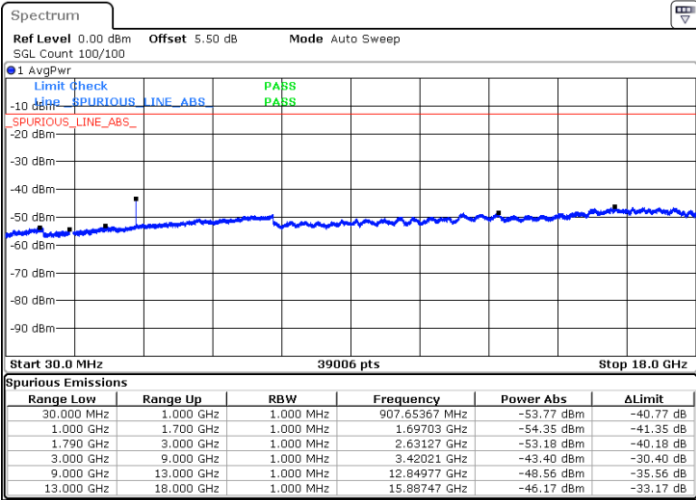




LTE Band 66 / 3MHz

Lowest Channel / QPSK

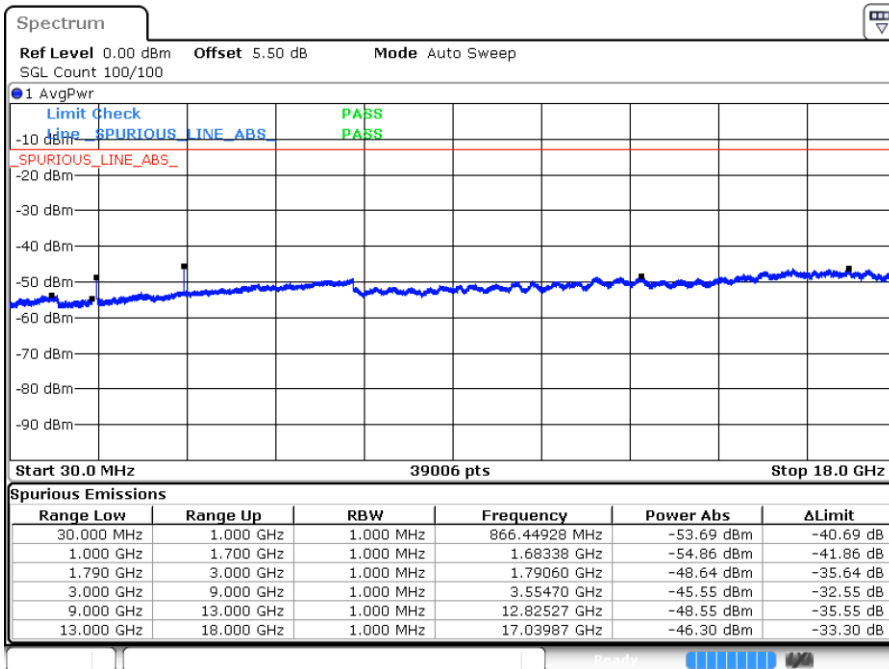
Middle Channel / QPSK



Date: 22 APR 2021 13:02:50

Date: 22 APR 2021 13:01:02

Highest Channel / QPSK



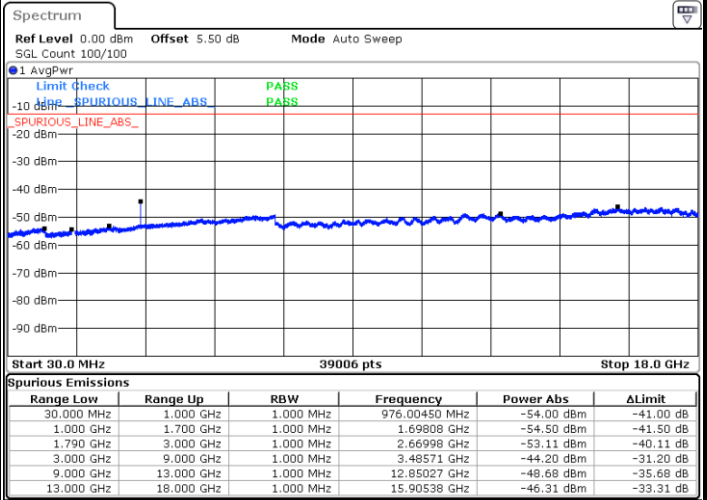
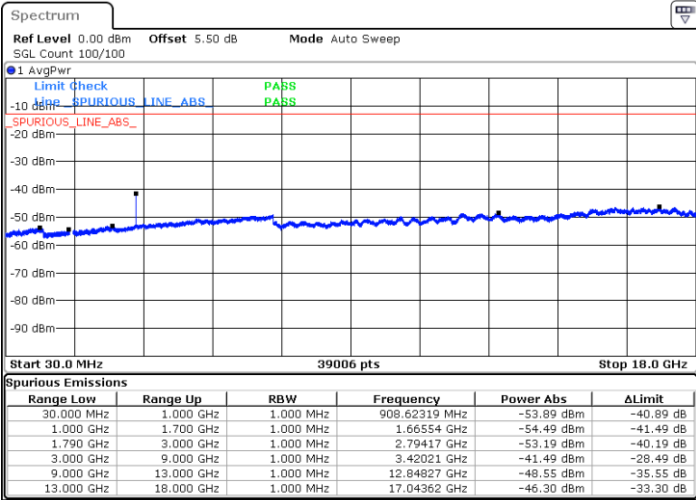
Date: 22 APR 2021 13:18:32



LTE Band 66 / 5MHz

Lowest Channel / QPSK

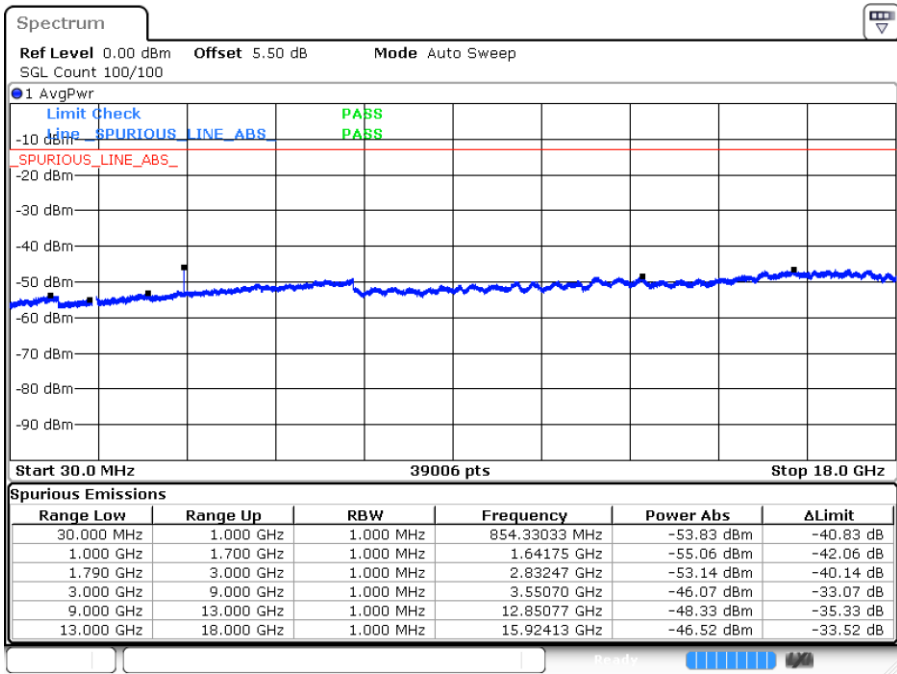
Middle Channel / QPSK



Date: 22 APR 2021 12:46:56

Date: 22 APR 2021 12:37:30

Highest Channel / QPSK

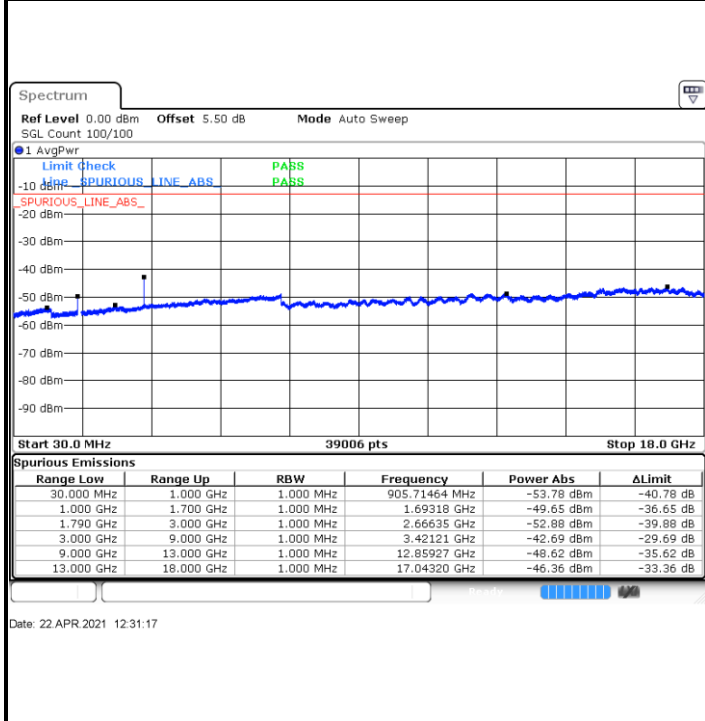


Date: 22 APR 2021 12:41:48

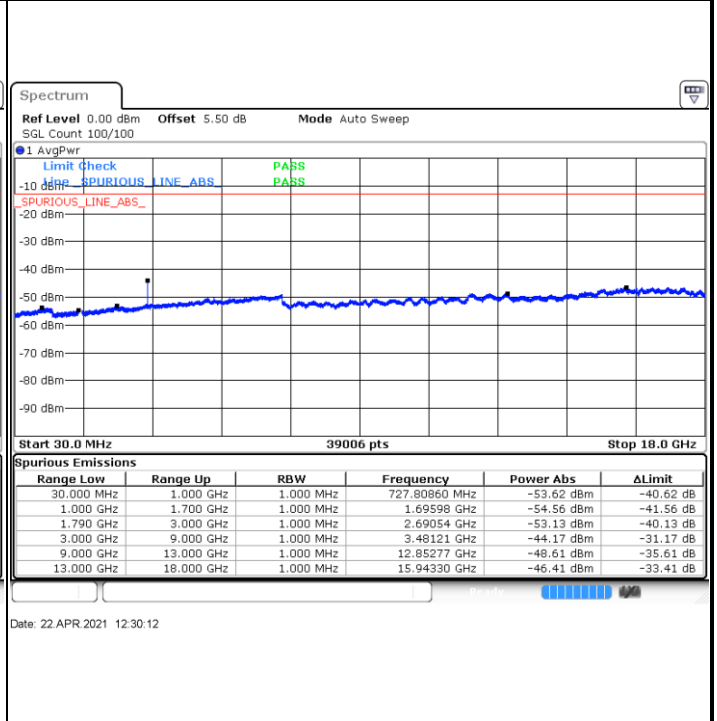


LTE Band 66 / 10MHz

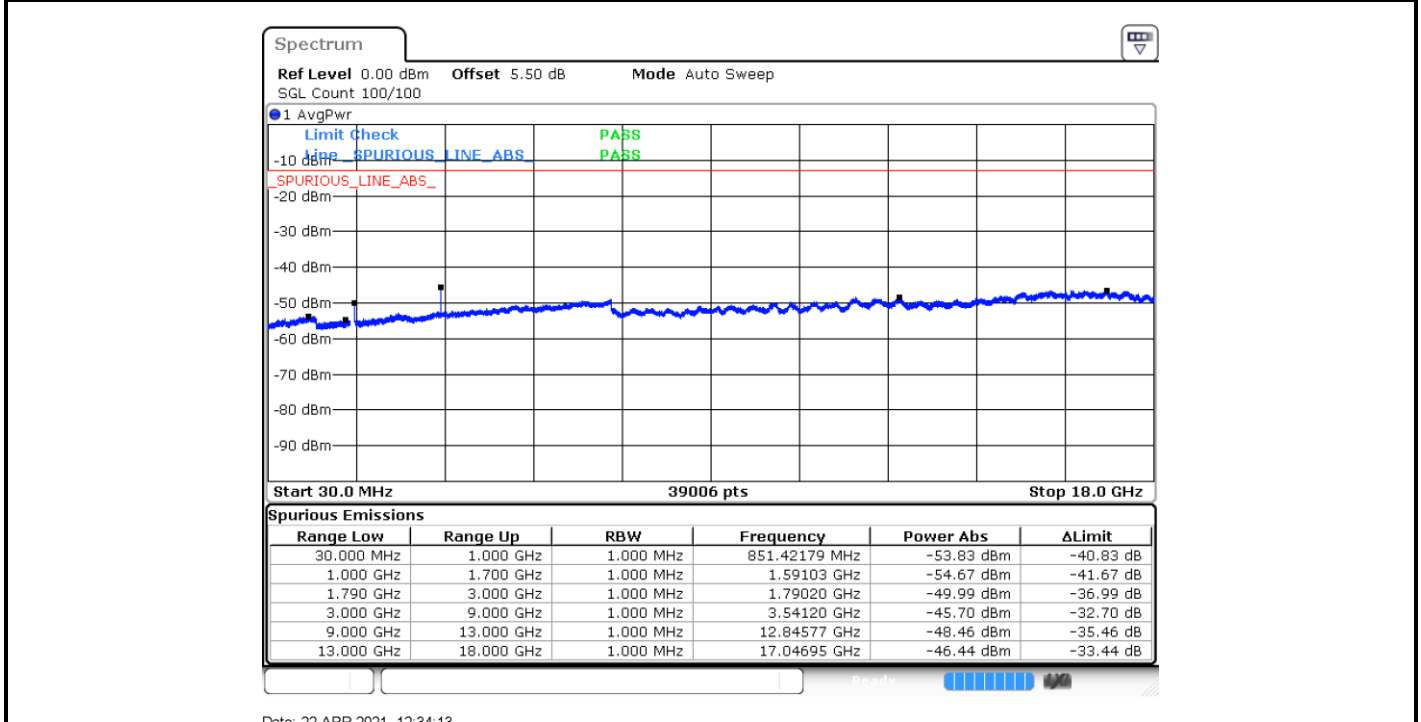
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

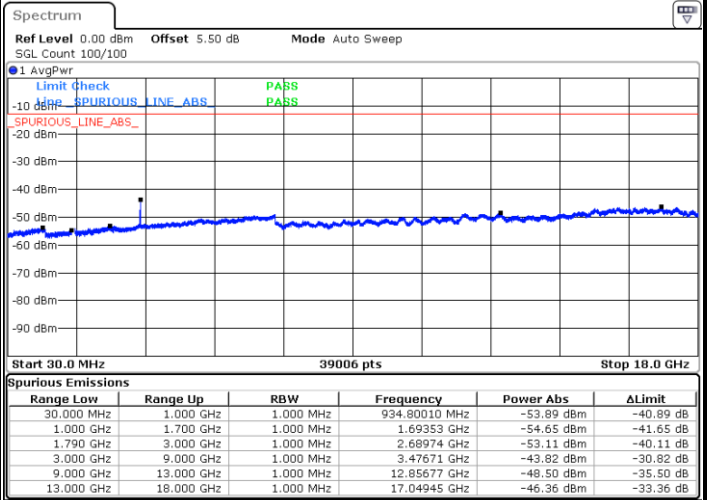
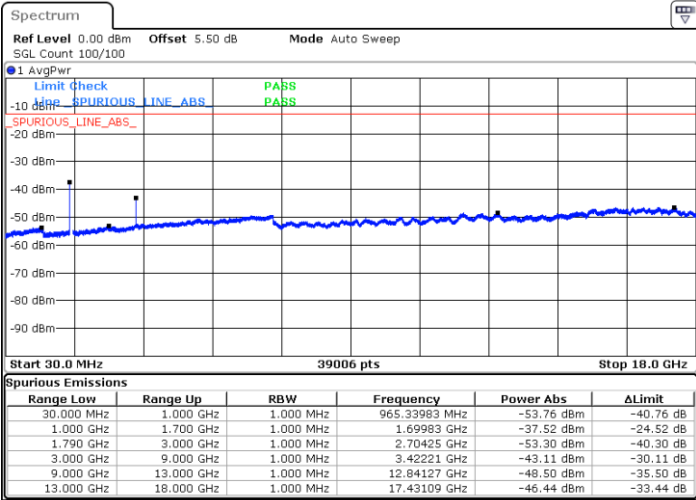




LTE Band 66 / 15MHz

Lowest Channel / QPSK

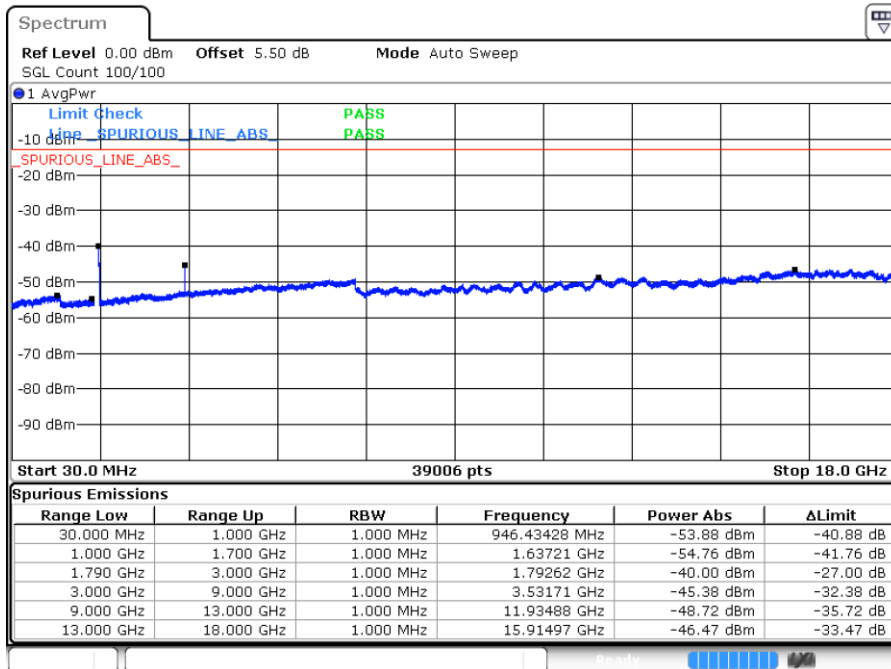
Middle Channel / QPSK



Date: 22 APR 2021 12:13:15

Date: 22 APR 2021 12:12:05

Highest Channel / QPSK

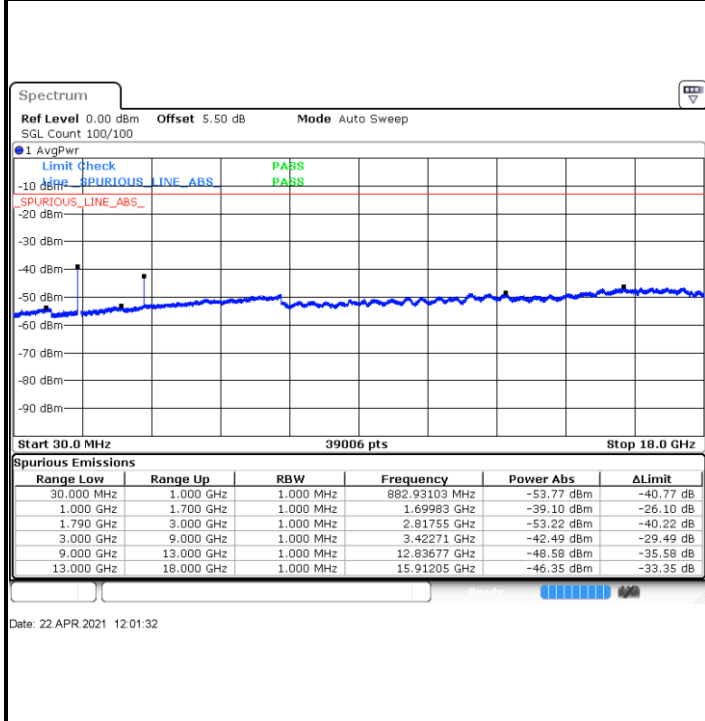


Date: 22 APR 2021 12:18:14

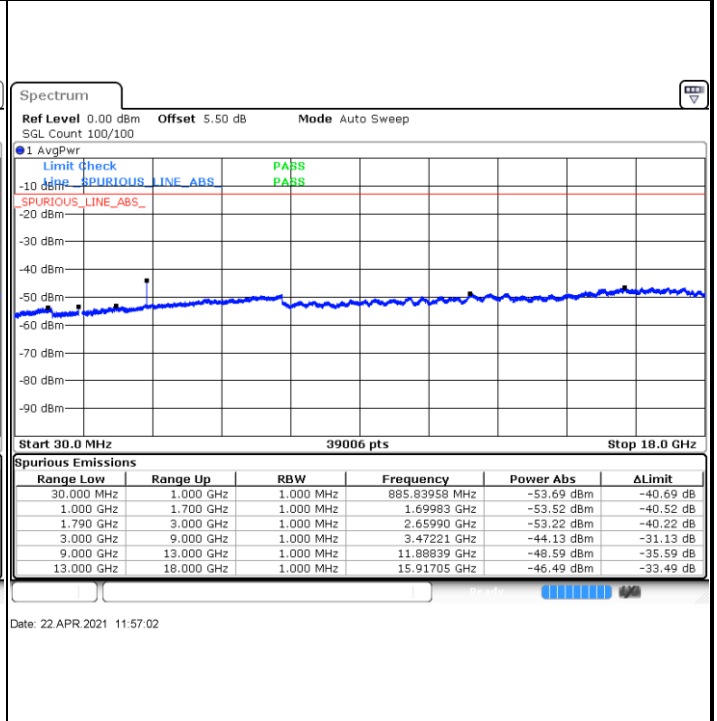


LTE Band 66 / 20MHz

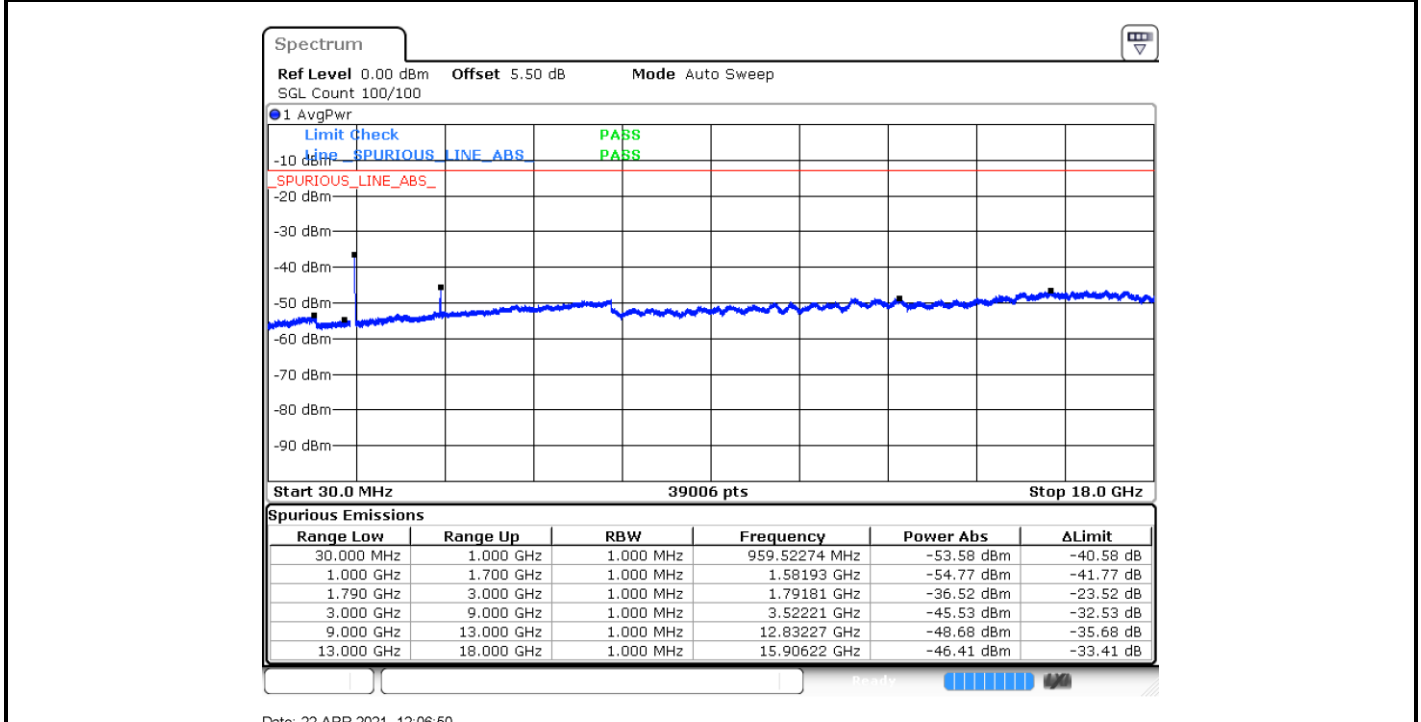
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

| Test Conditions | | LTE Band 66 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 20MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0011 | PASS |
| 40 | Normal Voltage | 0.0005 | |
| 30 | Normal Voltage | 0.0006 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0003 | |
| 0 | Normal Voltage | 0.0012 | |
| -10 | Normal Voltage | 0.0004 | |
| -20 | Normal Voltage | 0.0003 | |
| -30 | Normal Voltage | 0.0001 | |
| 20 | Maximum Voltage | 0.0018 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0004 | |

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

| LTE Band 2 / 20MHz / QPSK | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3741 | -54.69 | -13 | -41.69 | -66.95 | 2.64 | 14.90 | H |
| | 5613 | -55.03 | -13 | -42.03 | -66.89 | 2.94 | 14.80 | H |
| | 7488 | -52.19 | -13 | -39.19 | -61.96 | 3.39 | 13.16 | H |
| | 3741 | -55.39 | -13 | -42.39 | -67.65 | 2.64 | 14.90 | V |
| | 5613 | -55.50 | -13 | -42.50 | -67.36 | 2.94 | 14.80 | V |
| | 7488 | -52.57 | -13 | -39.57 | -62.34 | 3.39 | 13.16 | 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) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1664 | -59.21 | -13 | -46.21 | -66.18 | 1.58 | 10.70 | H |
| | 2496 | -60.65 | -13 | -47.65 | -68.90 | 2.102 | 12.50 | H |
| | 3330 | -57.28 | -13 | -44.28 | -66.17 | 2.856 | 13.90 | H |
| | 4158 | -58.66 | -13 | -45.66 | -67.12 | 2.689 | 13.30 | H |
| | 4992 | -50.21 | -13 | -37.21 | -57.97 | 3.093 | 13.00 | H |
| | 1664 | -54.48 | -13 | -41.48 | -61.45 | 1.58 | 10.70 | V |
| | 2496 | -59.21 | -13 | -46.21 | -67.46 | 2.10 | 12.50 | V |
| | 3330 | -57.53 | -13 | -44.53 | -66.42 | 2.86 | 13.90 | V |
| | 4158 | -59.43 | -13 | -46.43 | -67.89 | 2.69 | 13.30 | V |
| | 4992 | -51.58 | -13 | -38.58 | -59.34 | 3.09 | 13.00 | V |

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



| LTE Band 7 / 20MHz / QPSK | | | | | | | | |
|---------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 5052 | -60.24 | -25 | -35.24 | -70.45 | 3.03 | 13.24 | H |
| | 7576 | -59.01 | -25 | -34.01 | -68.46 | 3.56 | 13.01 | H |
| | 10100 | -59.09 | -25 | -34.09 | -68.61 | 3.92 | 13.44 | H |
| | 12630 | -56.48 | -25 | -31.48 | -66.40 | 4.44 | 14.36 | H |
| | 15160 | -51.66 | -25 | -26.66 | -62.03 | 4.77 | 15.14 | H |
| | 5052 | -58.70 | -25 | -33.70 | -68.91 | 3.03 | 13.24 | V |
| | 7576 | -55.62 | -25 | -30.62 | -65.07 | 3.56 | 13.01 | V |
| | 10100 | -59.98 | -25 | -34.98 | -69.50 | 3.92 | 13.44 | V |
| | 12630 | -56.74 | -25 | -31.74 | -66.66 | 4.44 | 14.36 | V |
| 15160 | -48.10 | -25 | -23.10 | -58.47 | 4.77 | 15.14 | 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) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1406 | -67.83 | -13 | -54.83 | -74.80 | 1.58 | 10.70 | H |
| | 2110 | -61.95 | -13 | -48.95 | -70.20 | 2.102 | 12.50 | H |
| | 2812 | -58.96 | -13 | -45.96 | -67.85 | 2.856 | 13.90 | H |
| | 3516 | -59.70 | -13 | -46.70 | -68.16 | 2.689 | 13.30 | H |
| | 4218 | -57.11 | -13 | -44.11 | -64.87 | 3.093 | 13.00 | H |
| | 4920 | -51.01 | -13 | -38.01 | -59.78 | 3.178 | 14.10 | H |
| | 1406 | -65.92 | -13 | -52.92 | -72.89 | 1.58 | 10.70 | V |
| | 2110 | -60.34 | -13 | -47.34 | -68.59 | 2.10 | 12.50 | V |
| | 2812 | -58.31 | -13 | -45.31 | -67.20 | 2.86 | 13.90 | V |
| | 3516 | -59.83 | -13 | -46.83 | -68.29 | 2.69 | 13.30 | V |
| | 4218 | -59.96 | -13 | -46.96 | -67.72 | 3.09 | 13.00 | V |
| | 4920 | -54.06 | -13 | -41.06 | -62.83 | 3.18 | 14.10 | V |

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



| LTE Band 13 / 5MHz / QPSK | | | | | | | | |
|---------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1560 | -56.23 | -42.15 | -14.08 | -58.86 | 1.09 | 5.87 | H |
| | 2340 | -61.93 | -13 | -48.93 | -64.33 | 1.37 | 5.92 | H |
| | 3120 | -57.91 | -13 | -44.91 | -61.80 | 1.64 | 7.68 | H |
| | 3900 | -58.34 | -13 | -45.34 | -62.57 | 1.92 | 8.30 | H |
| | 4680 | -52.69 | -13 | -39.69 | -57.55 | 2.19 | 9.21 | H |
| | 1560 | -52.22 | -42.15 | -10.07 | -54.85 | 1.09 | 5.87 | V |
| | 2340 | -60.41 | -13 | -47.41 | -62.81 | 1.37 | 5.92 | V |
| | 3120 | -59.75 | -13 | -46.75 | -63.64 | 1.64 | 7.68 | V |
| | 3900 | -58.90 | -13 | -45.90 | -63.13 | 1.92 | 8.30 | V |
| 4680 | -54.57 | -13 | -41.57 | -59.43 | 2.19 | 9.21 | V | |

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

| LTE Band 13 / 10MHz / QPSK | | | | | | | | |
|----------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1556 | -49.77 | -13 | -36.77 | -52.40 | 1.09 | 5.87 | H |
| | 2332 | -61.87 | -13 | -48.87 | -64.27 | 1.37 | 5.92 | H |
| | 3108 | -59.13 | -13 | -46.13 | -63.02 | 1.64 | 7.68 | H |
| | 3888 | -59.22 | -13 | -46.22 | -63.45 | 1.92 | 8.30 | H |
| | 4668 | -53.17 | -13 | -40.17 | -58.03 | 2.19 | 9.21 | H |
| | 1556 | -47.00 | -13 | -34.00 | -49.63 | 1.09 | 5.87 | V |
| | 2332 | -60.17 | -13 | -47.17 | -62.57 | 1.37 | 5.92 | V |
| | 3108 | -59.54 | -13 | -46.54 | -63.43 | 1.64 | 7.68 | V |
| | 3888 | -59.31 | -13 | -46.31 | -63.54 | 1.92 | 8.30 | V |
| 4668 | -55.00 | -13 | -42.00 | -59.86 | 2.19 | 9.21 | 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) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3471 | -60.16 | -13 | -47.16 | -70.90 | 2.604 | 13.34 | H |
| | 5208 | -52.99 | -13 | -39.99 | -63.50 | 3.011 | 13.52 | H |
| | 6948 | -56.01 | -13 | -43.01 | -66.21 | 3.271 | 13.47 | H |
| | 3471 | -60.86 | -13 | -47.86 | -71.60 | 2.604 | 13.34 | V |
| | 5208 | -54.83 | -13 | -41.83 | -65.34 | 3.011 | 13.52 | V |
| | 6948 | -56.36 | -13 | -43.36 | -66.56 | 3.271 | 13.47 | V |

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