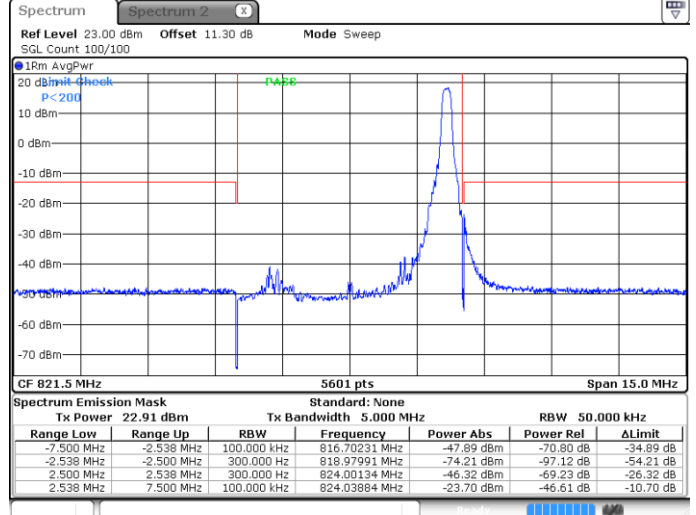
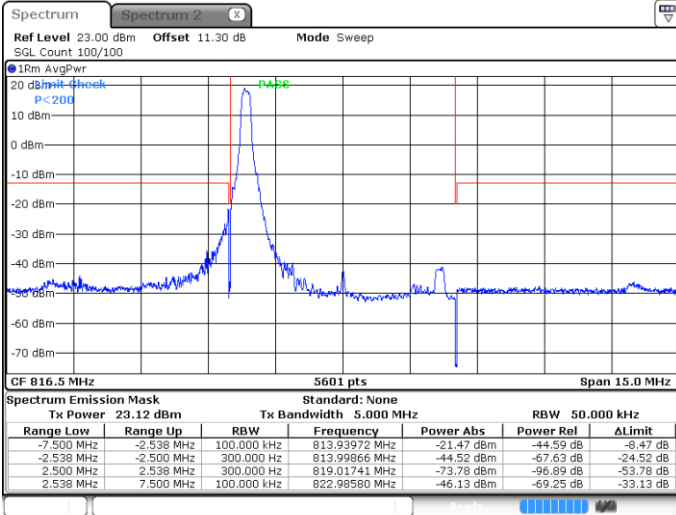




LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

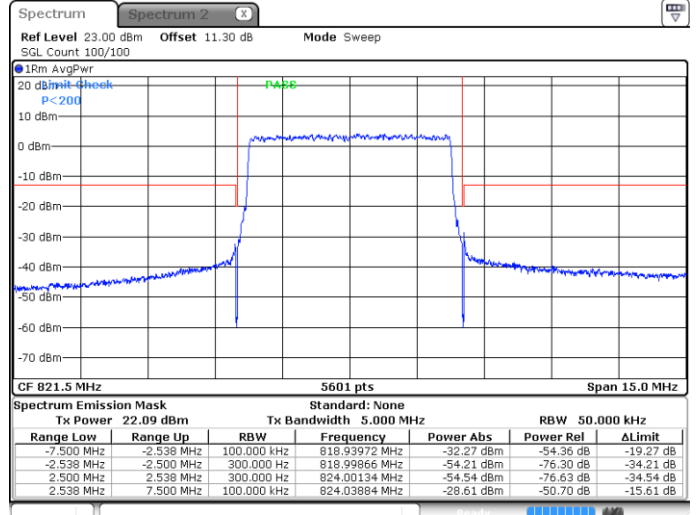
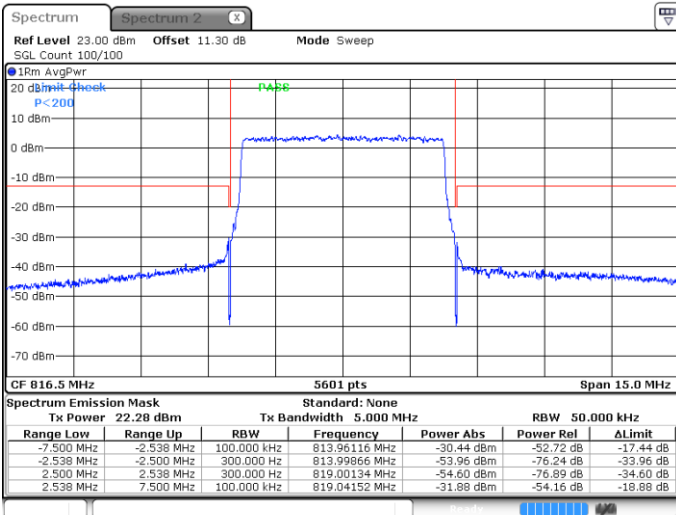


Date: 6 MAY 2020 22:12:11

Date: 6 MAY 2020 22:14:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



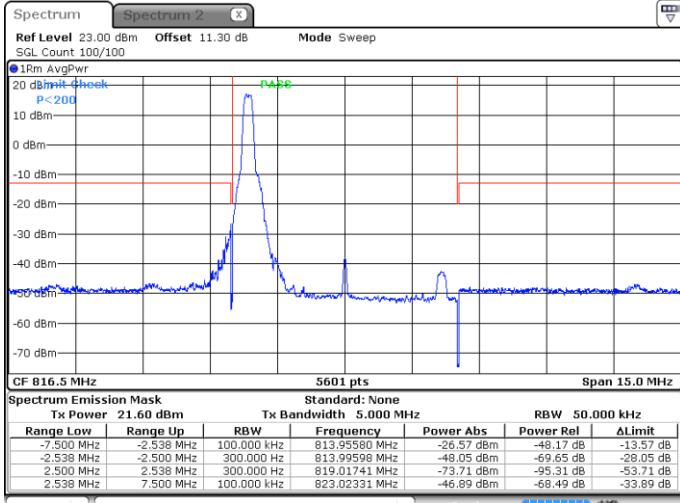
Date: 6 MAY 2020 22:13:12

Date: 6 MAY 2020 22:15:13



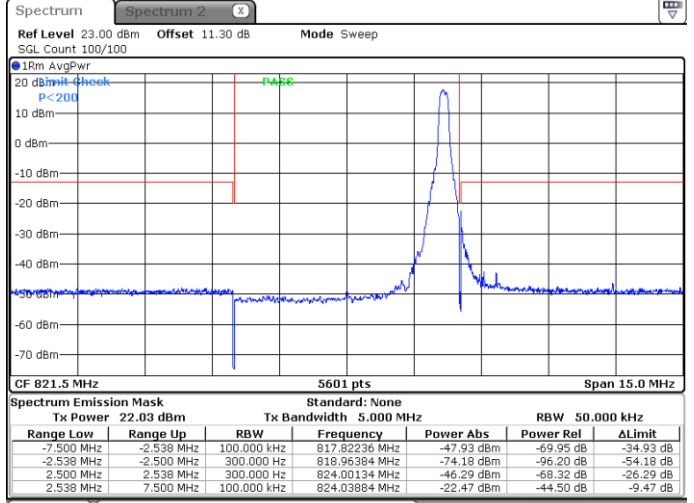
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



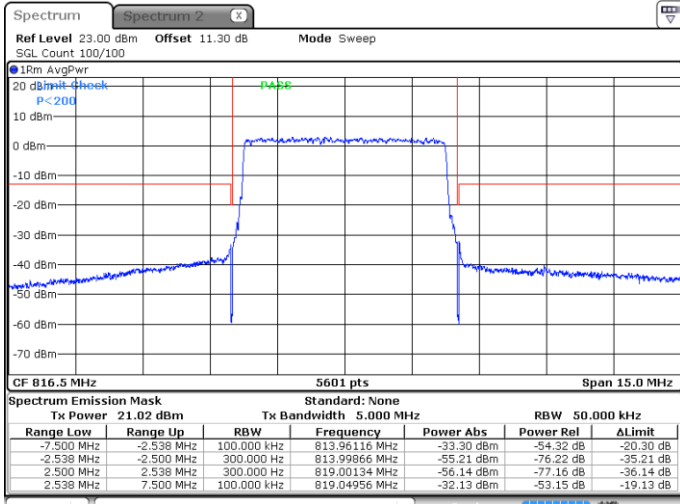
Date: 6 MAY 2020 22:23:51

Highest Band Edge / 1 RB



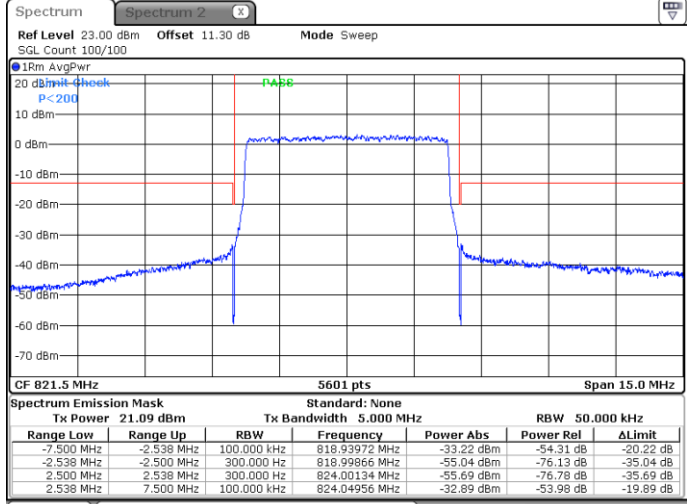
Date: 6 MAY 2020 22:24:52

Lowest Band Edge / Full RB



Date: 6 MAY 2020 22:24:21

Highest Band Edge / Full RB



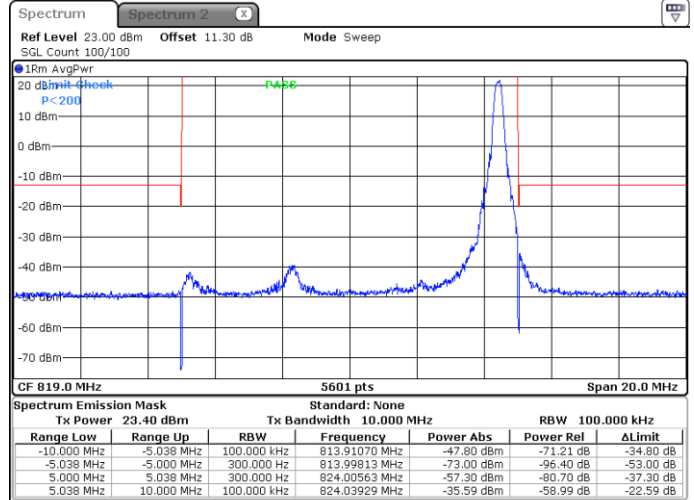
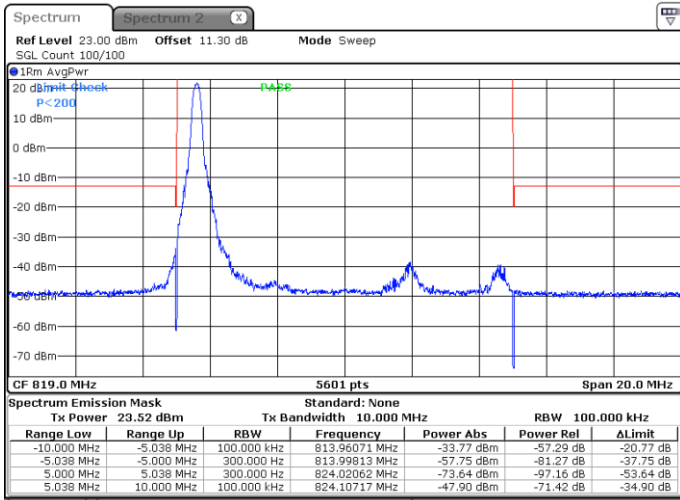
Date: 6 MAY 2020 22:25:22



LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB

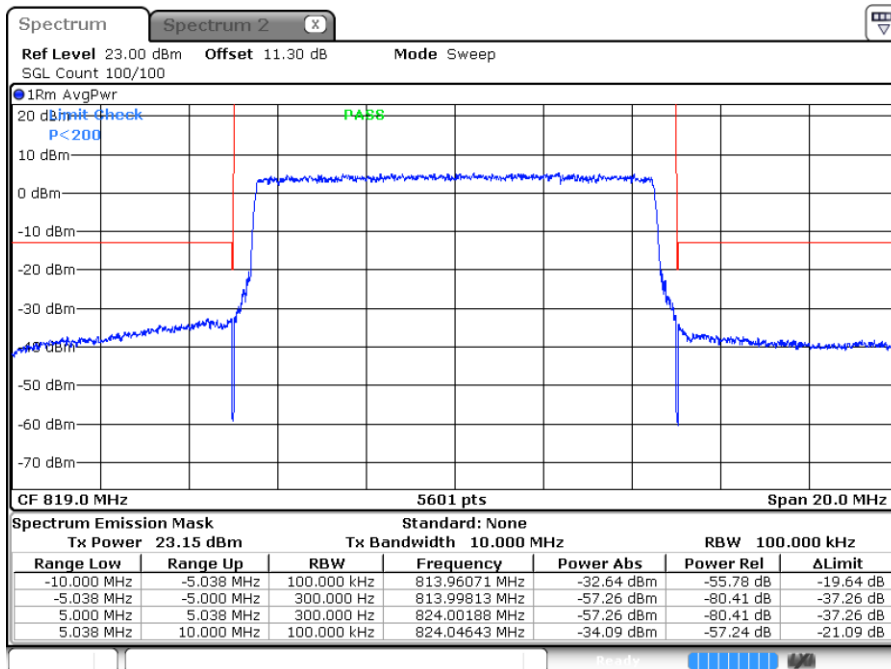
Highest Band Edge / 1 RB



Date: 6 MAY 2020 22:15:44

Date: 6 MAY 2020 22:16:45

Band Edge / Full RB



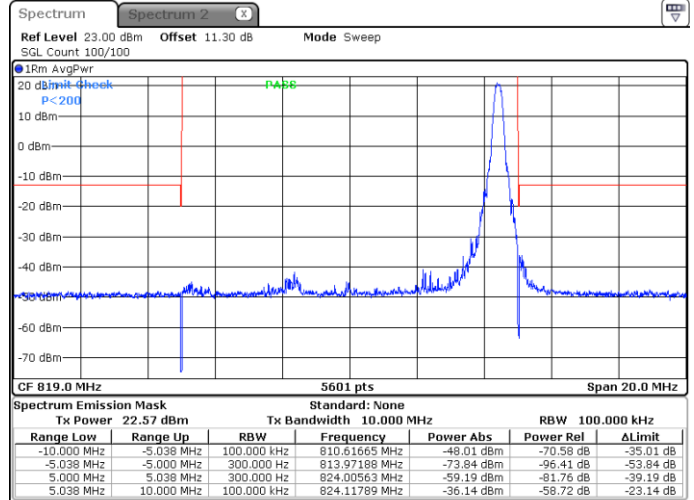
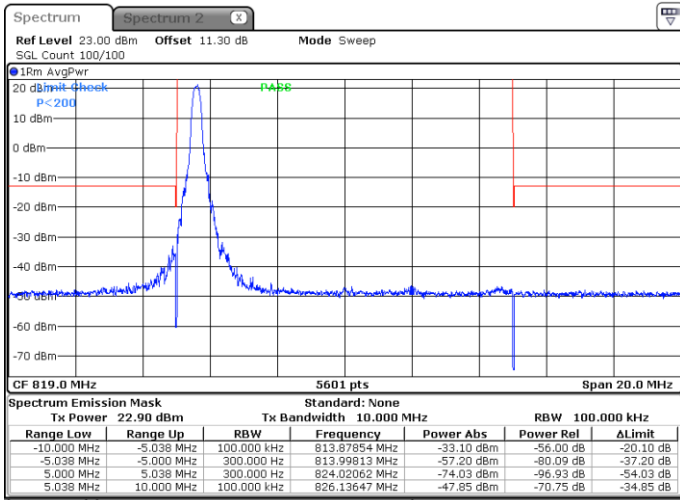
Date: 6 MAY 2020 22:17:46



LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

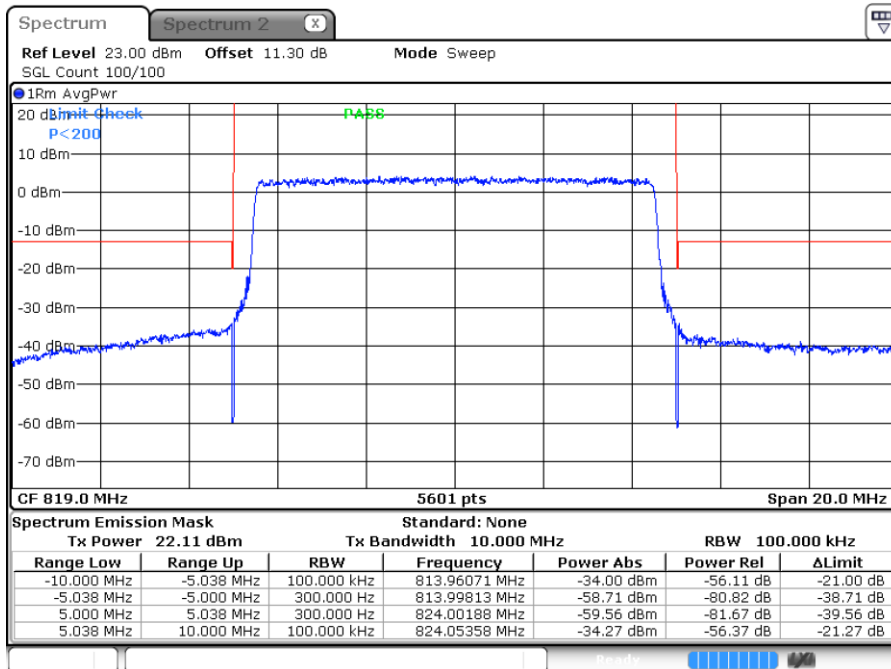
Highest Band Edge / 1 RB



Date: 6 MAY 2020 22:16:15

Date: 6 MAY 2020 22:17:15

Band Edge / Full RB



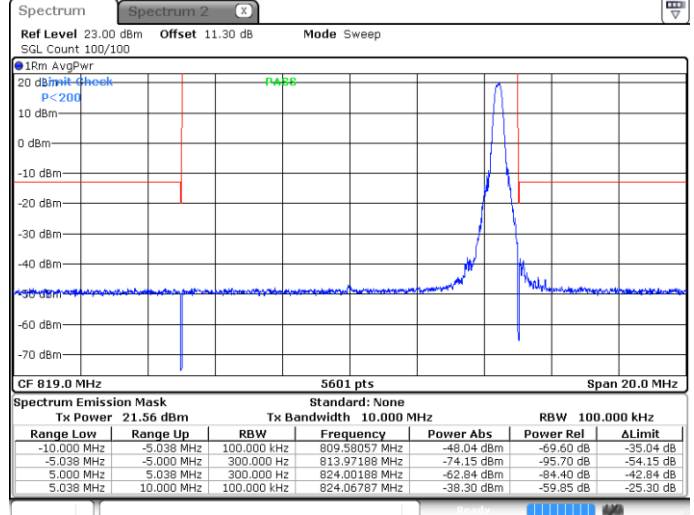
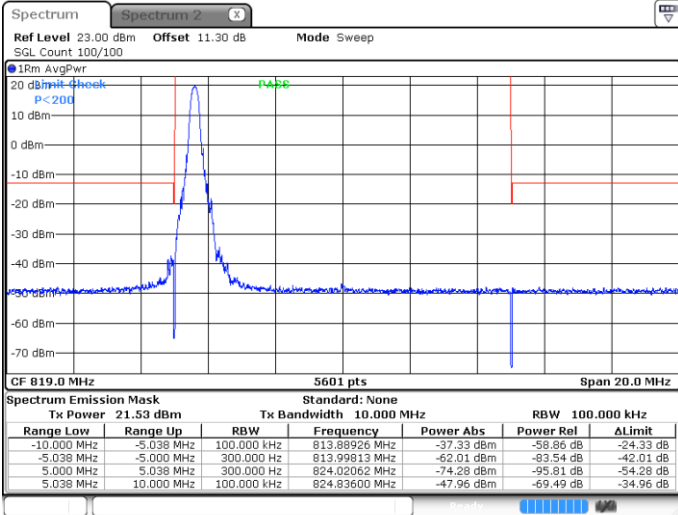
Date: 6 MAY 2020 22:18:16



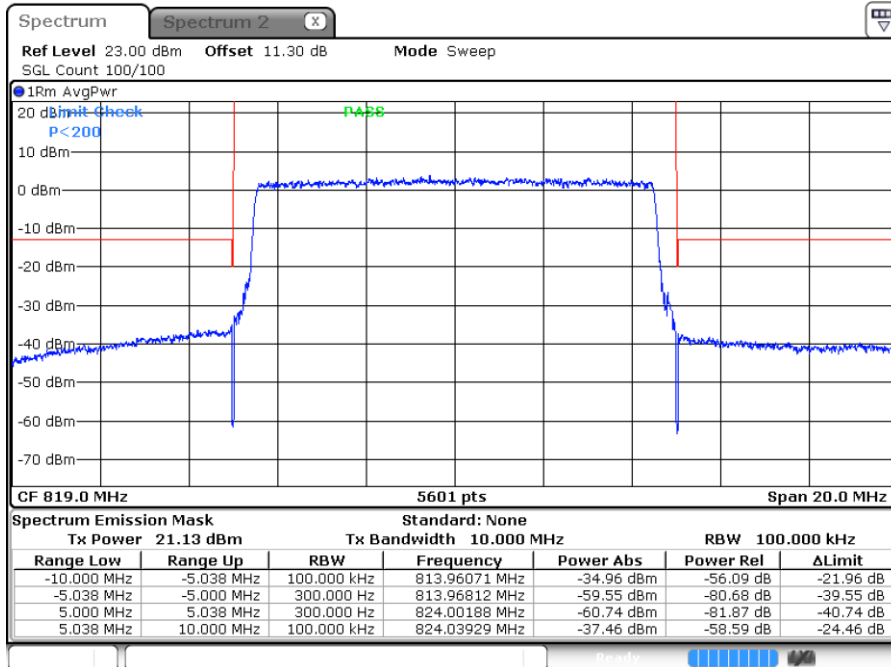
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Band Edge / Full RB

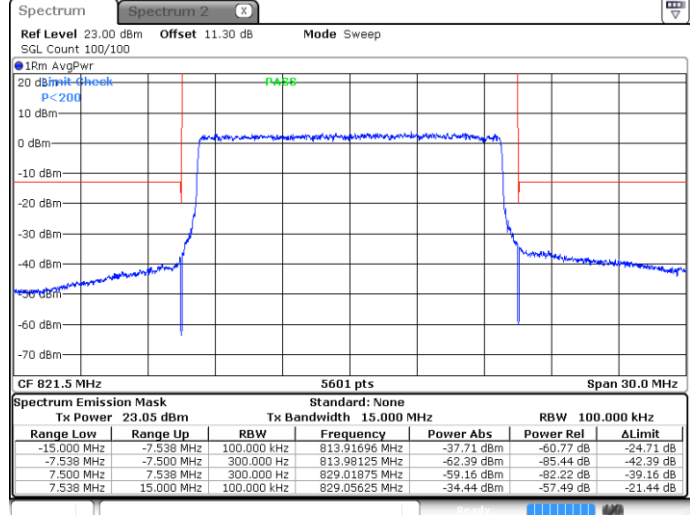
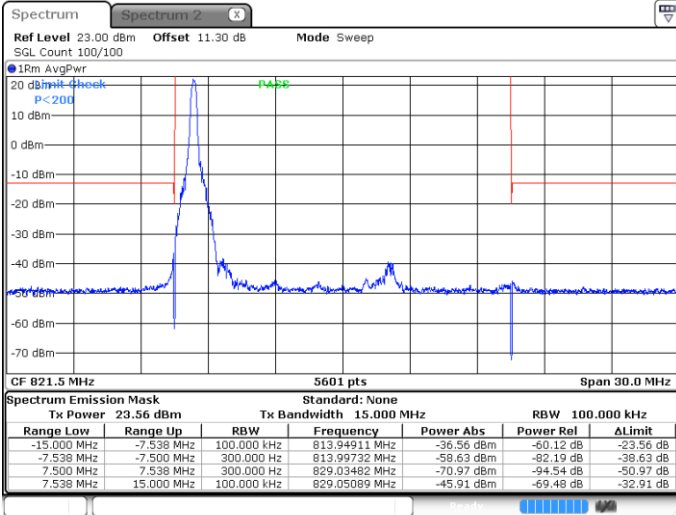




LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB

Lowest Band Edge / Full RB



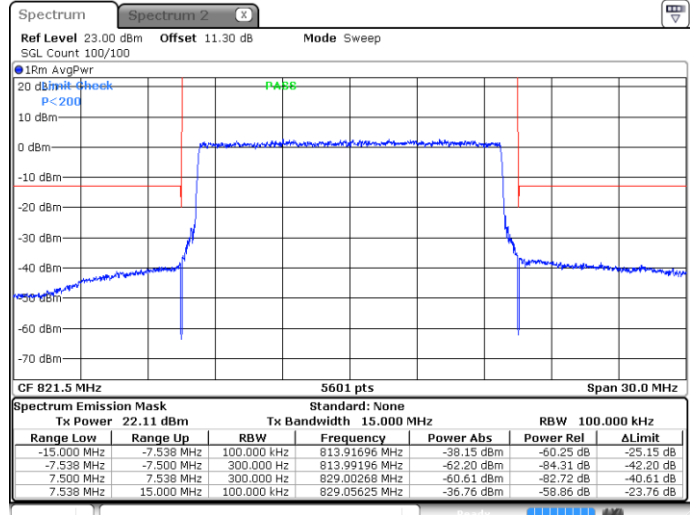
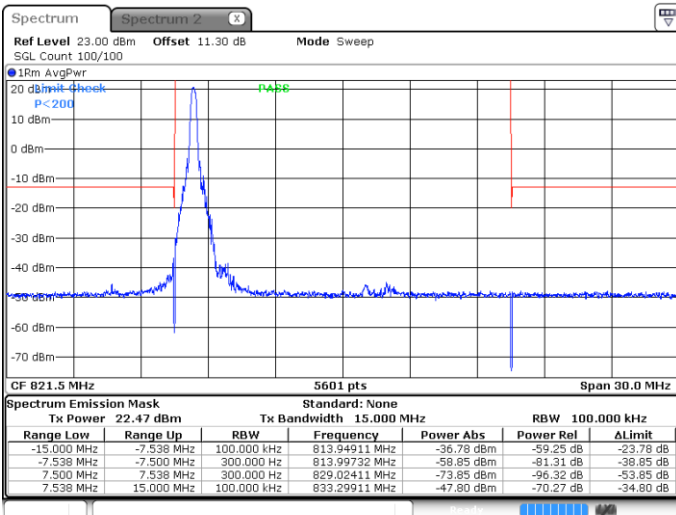
Date: 6.MAY.2020 22:18:47

Date: 6.MAY.2020 22:20:48

LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB

Lowest Band Edge / Full RB



Date: 6.MAY.2020 22:19:17

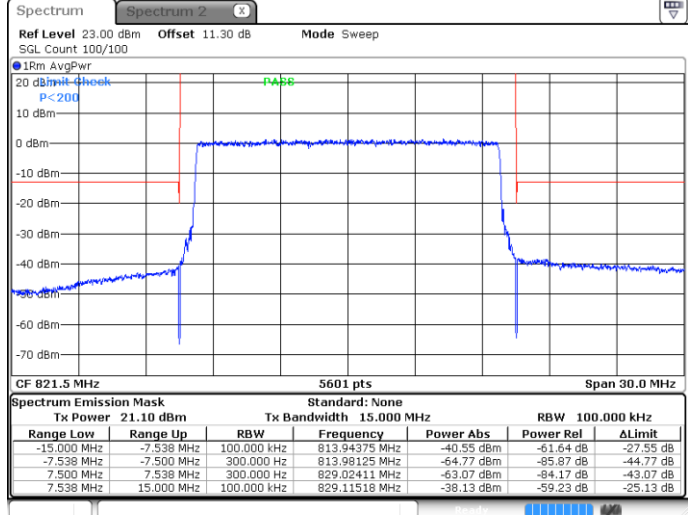
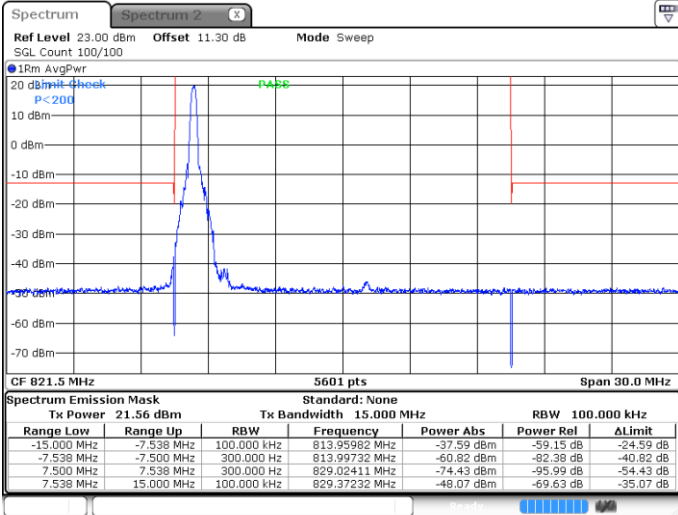
Date: 6.MAY.2020 22:21:18



LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

Lowest Band Edge / Full RB

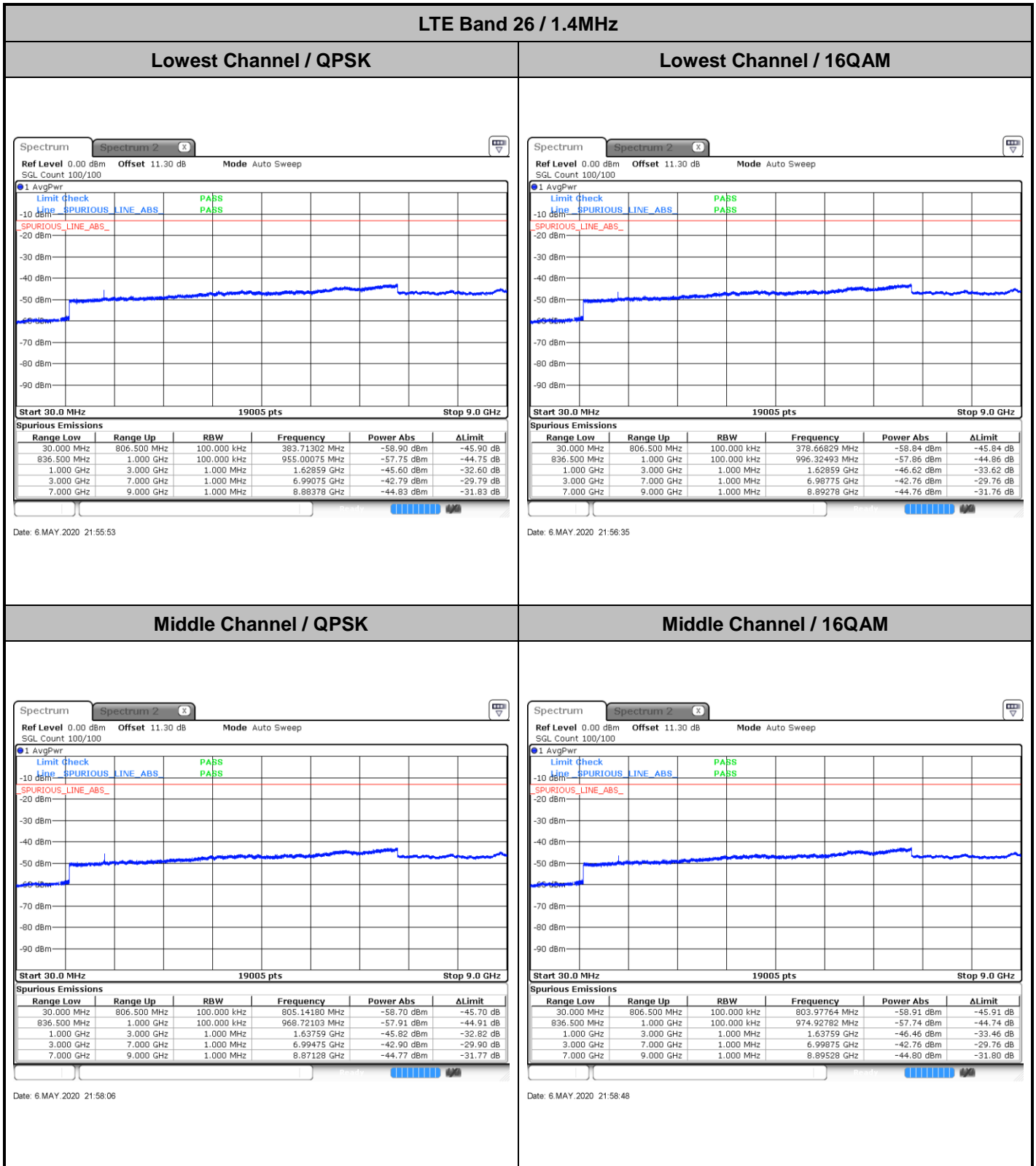


Date: 6 MAY 2020 22:27:24

Date: 6 MAY 2020 22:28:24



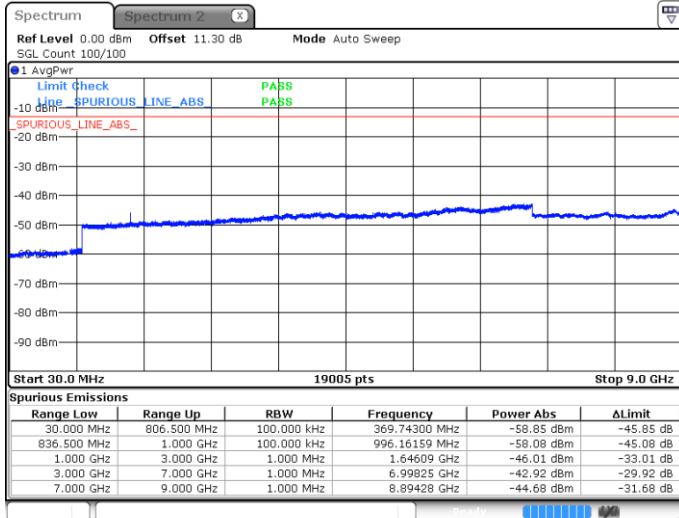
Emission masks – Out of band emissions





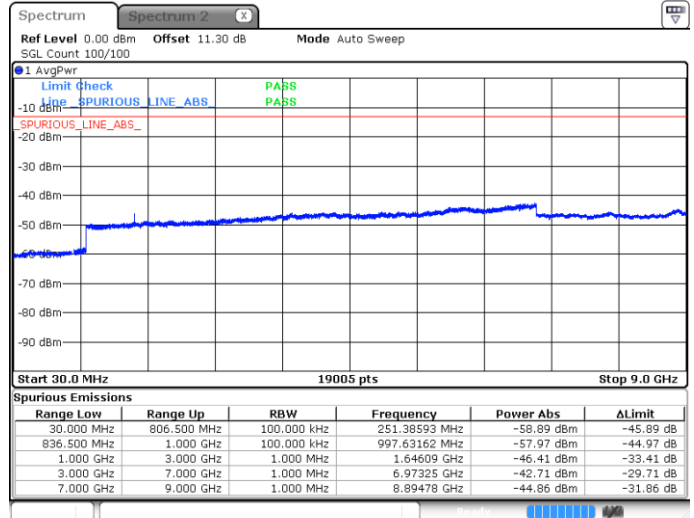
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 6 MAY 2020 22:00:19

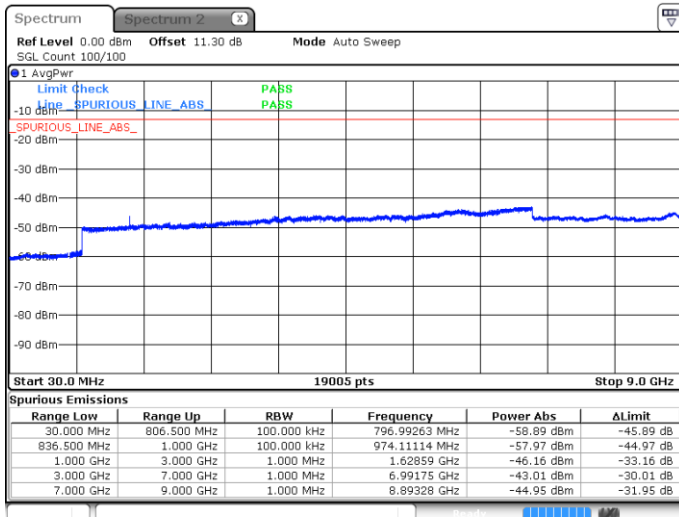
Highest Channel / 16QAM



Date: 6 MAY 2020 22:01:01

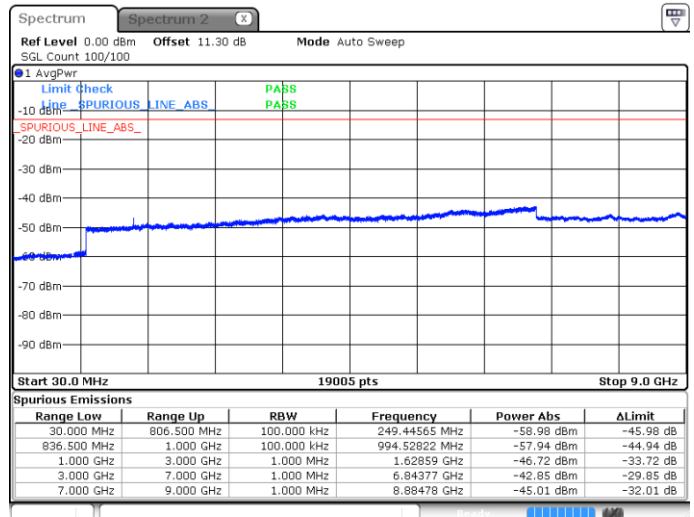
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 6 MAY 2020 22:40:12

Lowest Channel / 16QAM



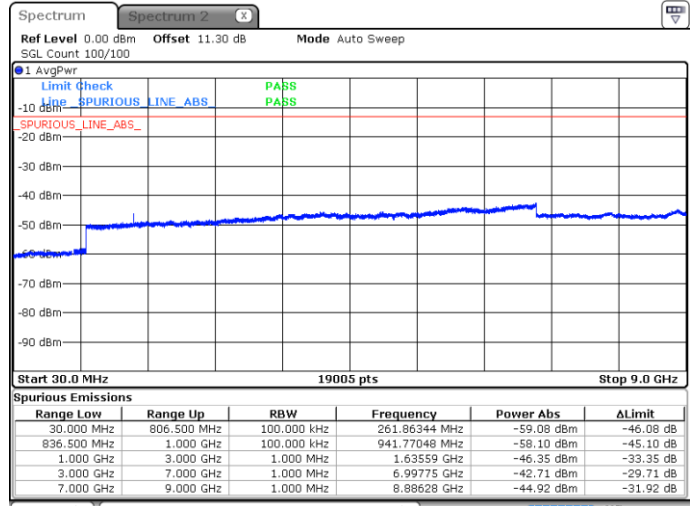
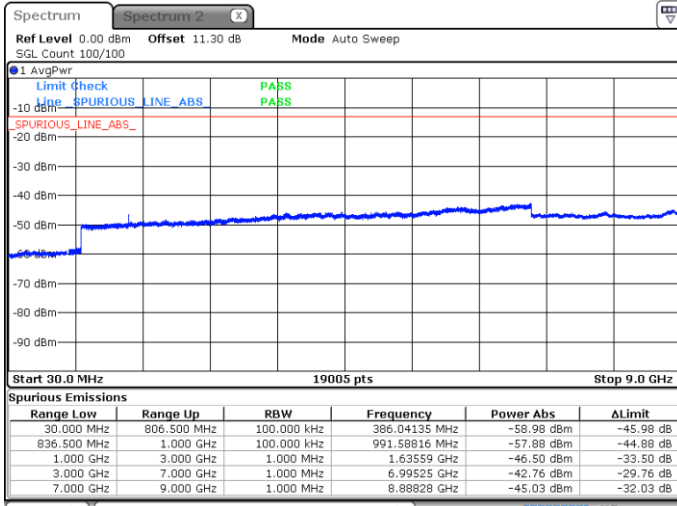
Date: 6 MAY 2020 22:40:54



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

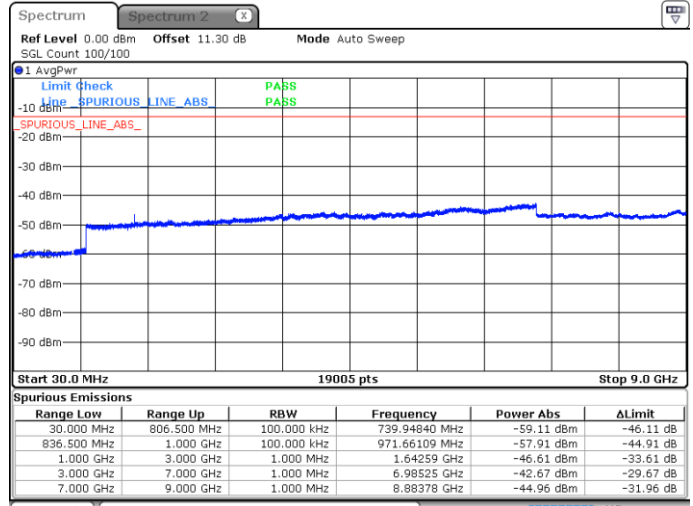
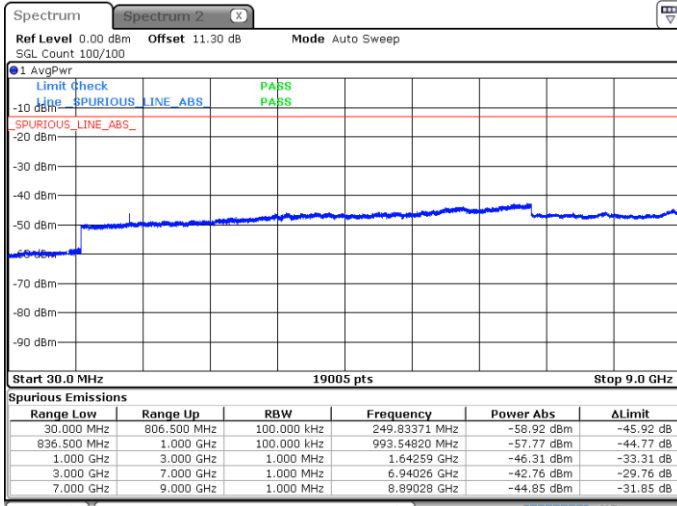


Date: 6 MAY.2020 22:42:25

Date: 6 MAY.2020 22:43:07

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 MAY.2020 22:44:38

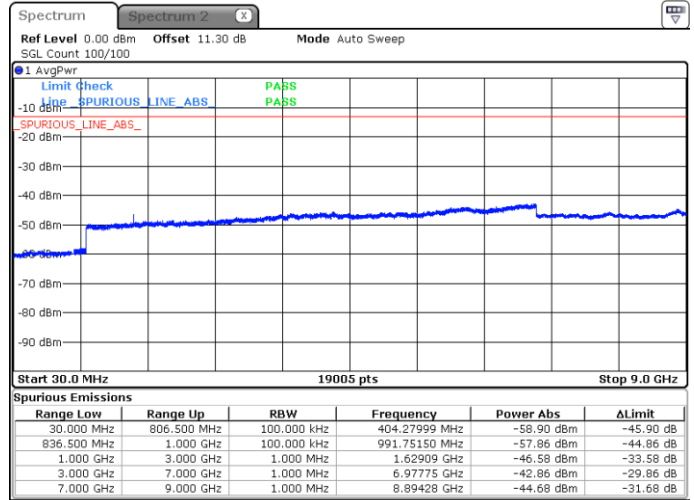
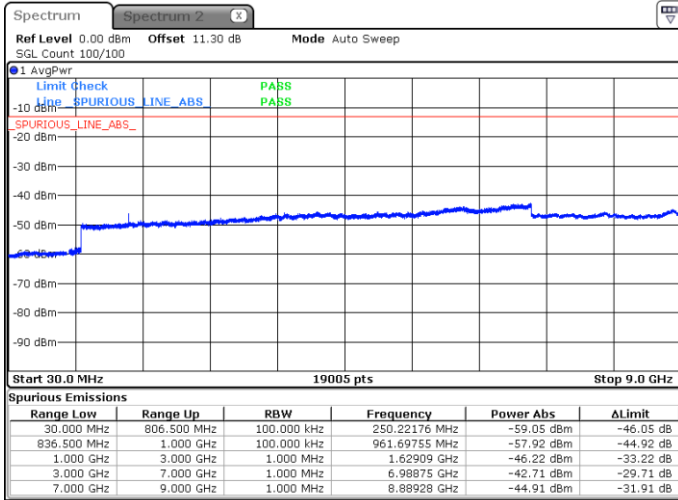
Date: 6 MAY.2020 22:45:21



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

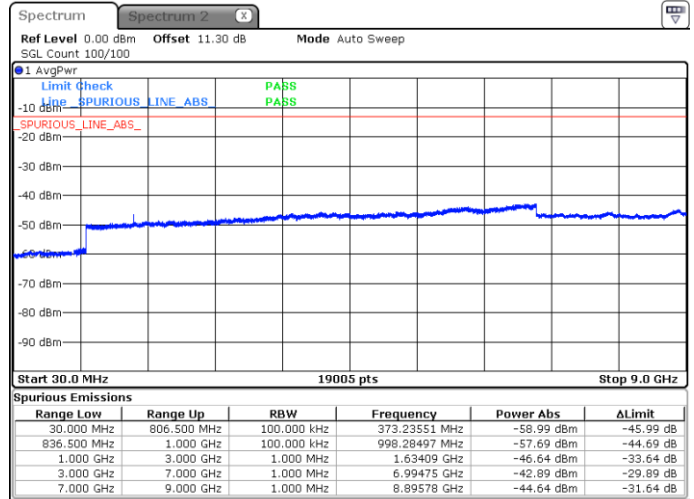
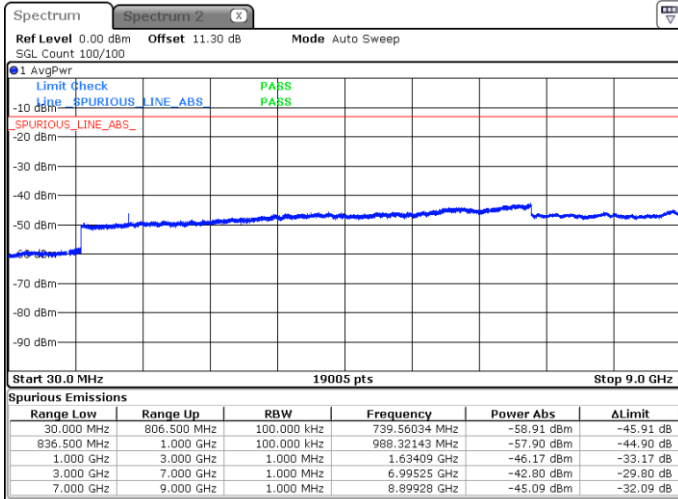


Date: 6 MAY.2020 22:46:52

Date: 6 MAY.2020 22:47:34

Middle Channel / QPSK

Middle Channel / 16QAM



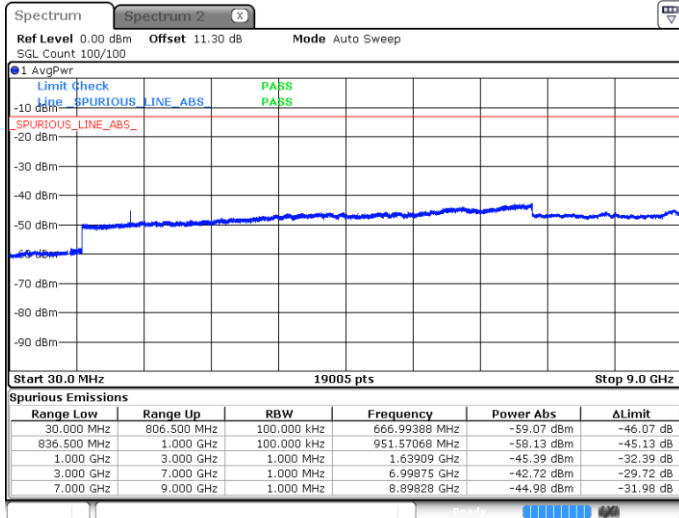
Date: 6 MAY.2020 22:49:05

Date: 6 MAY.2020 22:49:47



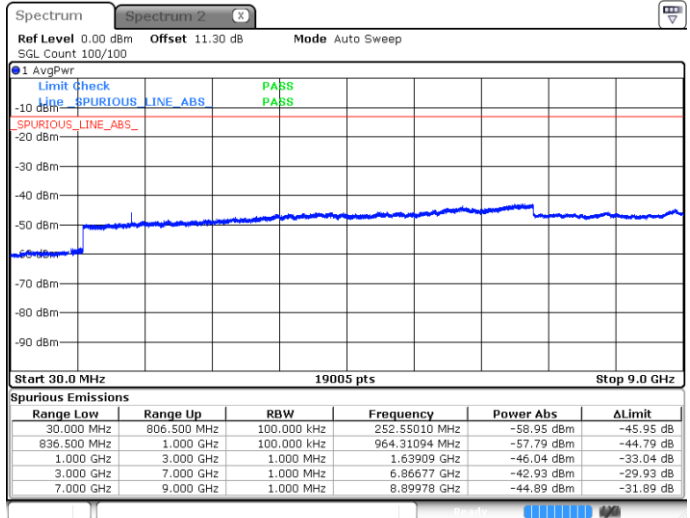
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 6 MAY 2020 22:51:18

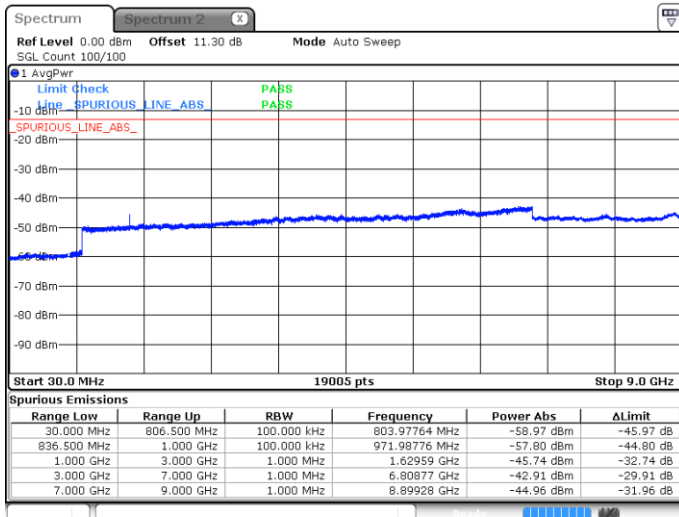
Highest Channel / 16QAM



Date: 6 MAY 2020 22:52:00

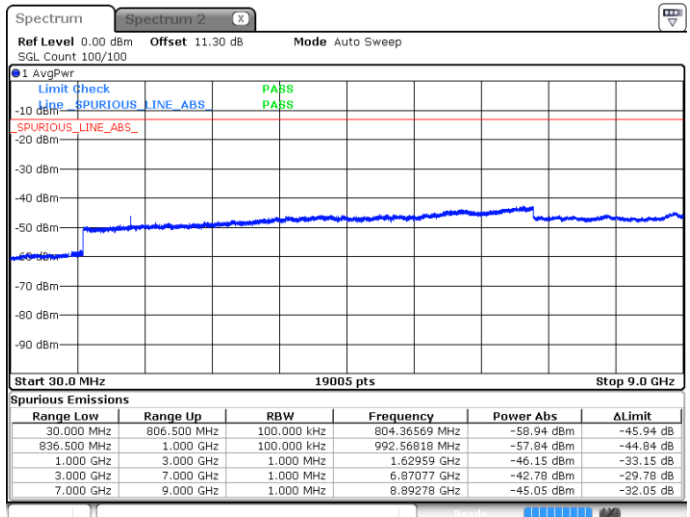
LTE Band 26 / 10MHz

Middle Channel / QPSK



Date: 6 MAY 2020 22:53:32

Middle Channel / 16QAM



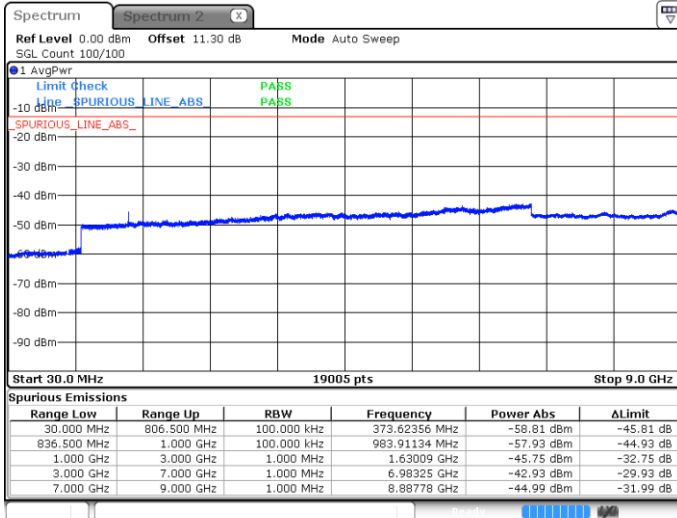
Date: 6 MAY 2020 22:54:14



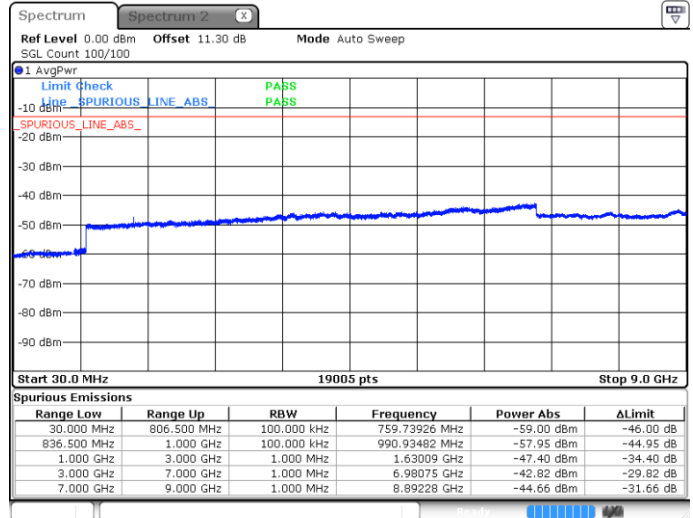
LTE Band 26 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 6 MAY 2020 22:55:46



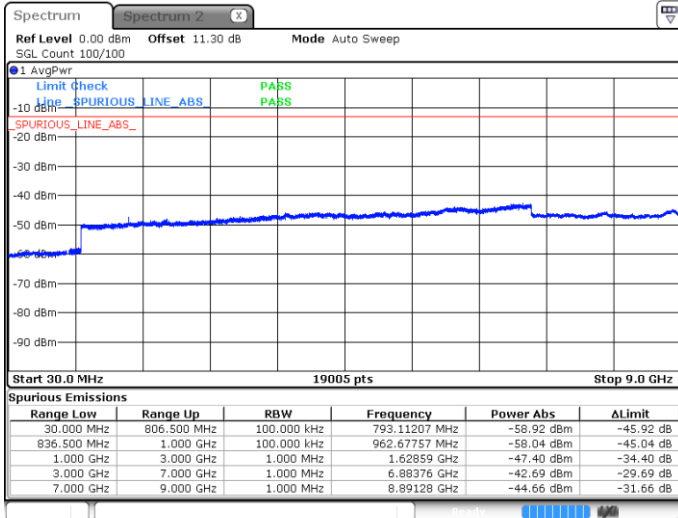
Date: 6 MAY 2020 22:56:28



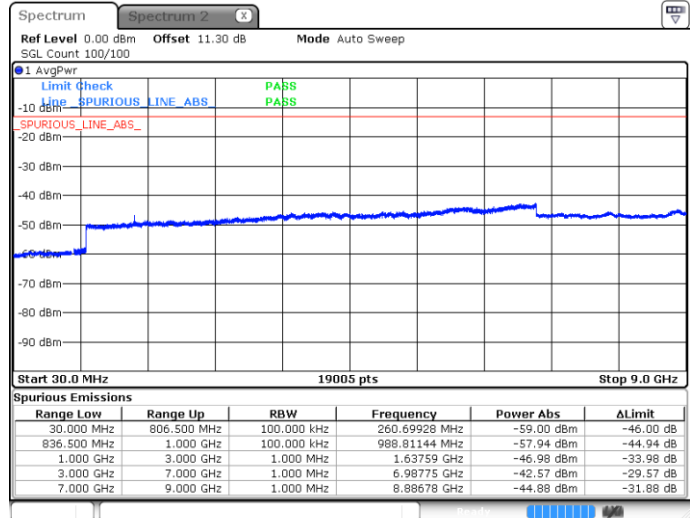
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

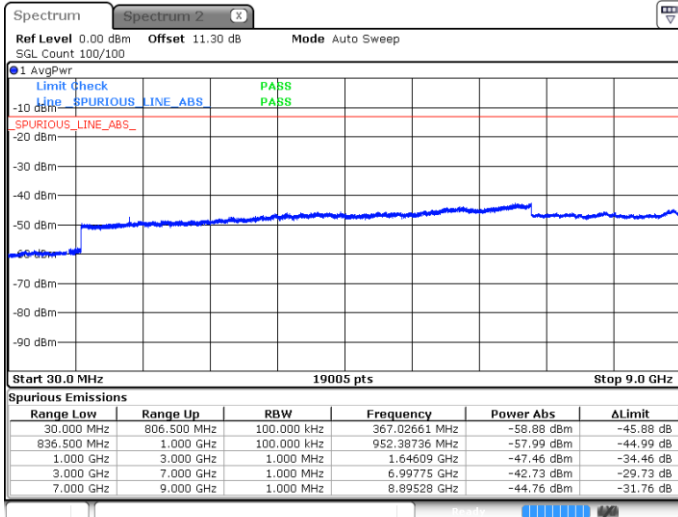


Date: 6 MAY.2020 21:52:09



Date: 6 MAY.2020 21:53:15

Highest Channel / 64QAM



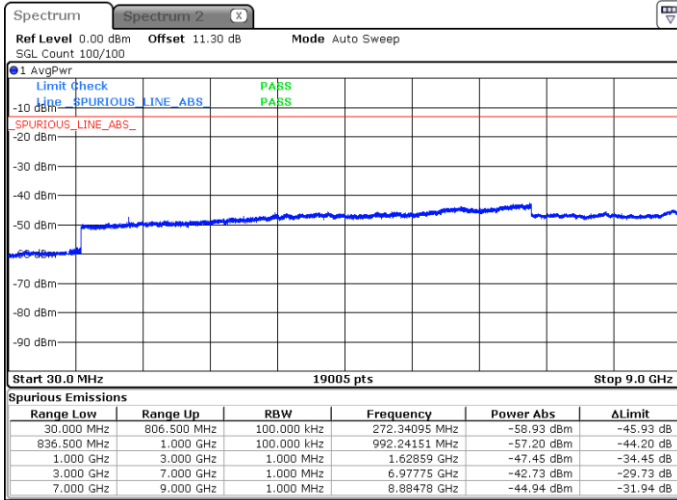
Date: 6 MAY.2020 21:54:22



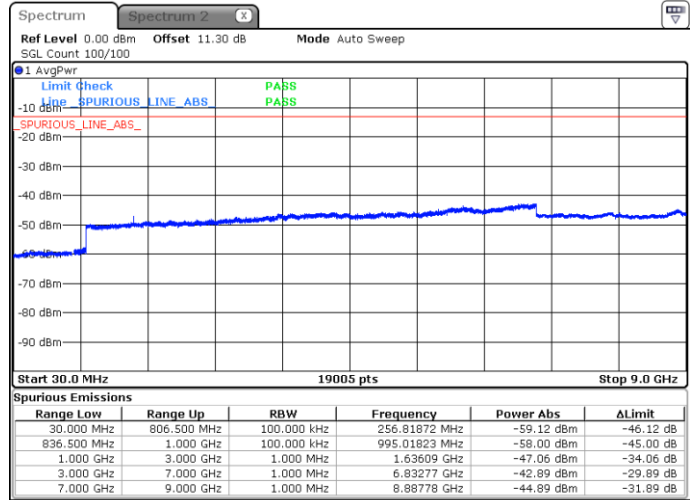
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

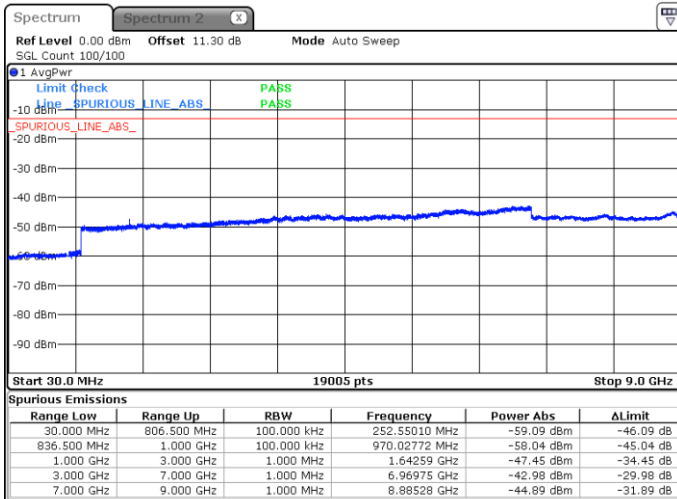


Date: 6 MAY.2020 22:29:31



Date: 6 MAY.2020 22:30:37

Highest Channel / 64QAM



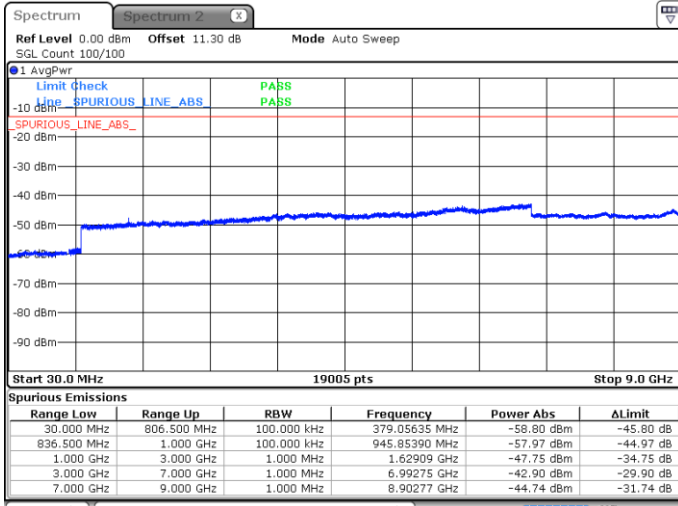
Date: 6 MAY.2020 22:31:43



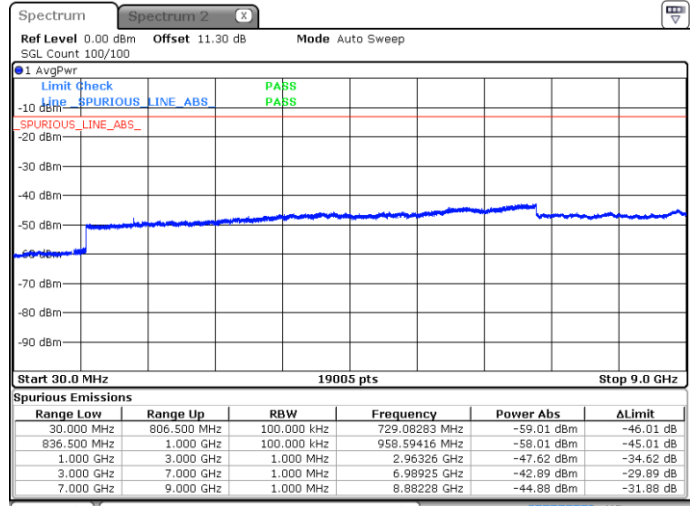
LTE Band 26 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

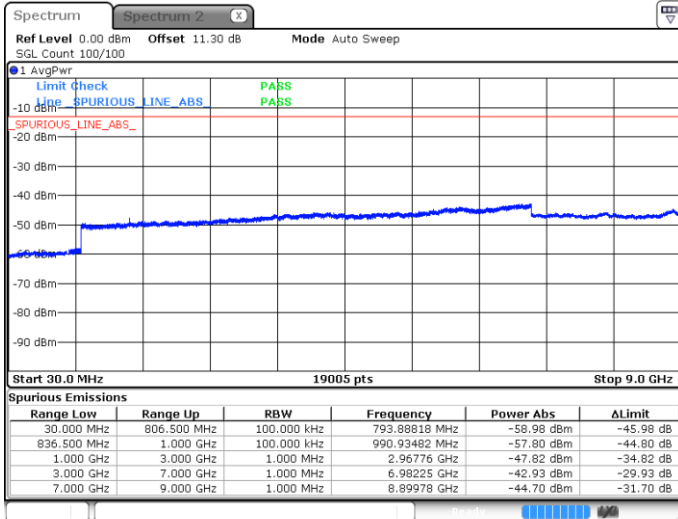


Date: 6 MAY.2020 22:32:50

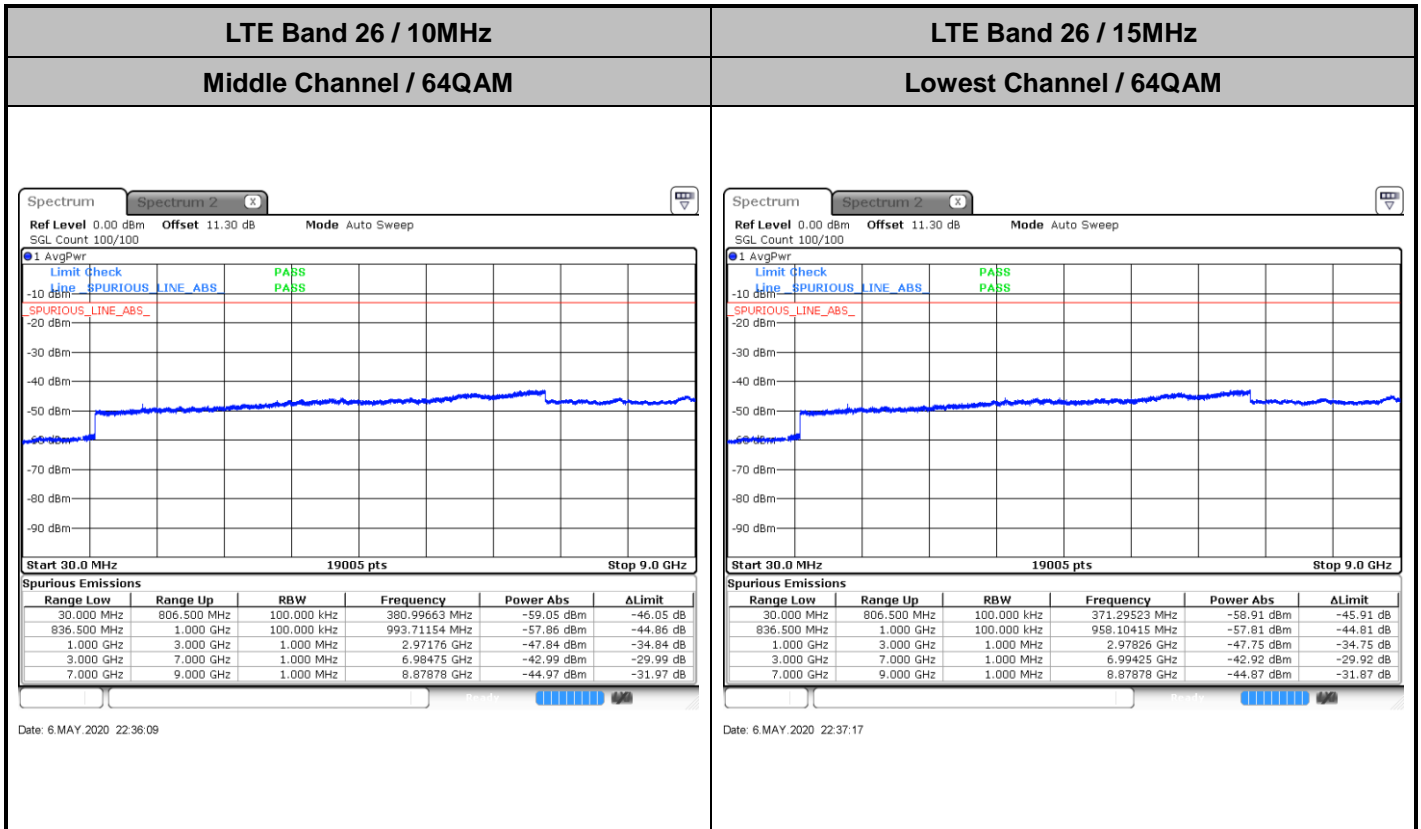


Date: 6 MAY.2020 22:33:56

Highest Channel / 64QAM



Date: 6 MAY.2020 22:35:03





Frequency Stability

| Test Conditions | | LTE Band 26 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0122 | PASS |
| 40 | Normal Voltage | 0.0001 | |
| 30 | Normal Voltage | 0.0059 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0181 | |
| 0 | Normal Voltage | 0.0175 | |
| -10 | Normal Voltage | 0.0007 | |
| -20 | Normal Voltage | 0.0034 | |
| -30 | Normal Voltage | 0.0000 | |
| 20 | Maximum Voltage | 0.0044 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0099 | |

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.49 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions | | LTE Band 26 (QPSK) / Low Channel | Limit |
|------------------|-------------------|----------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 15MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0166 | PASS |
| 40 | Normal Voltage | 0.0159 | |
| 30 | Normal Voltage | 0.0047 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0170 | |
| 0 | Normal Voltage | 0.0052 | |
| -10 | Normal Voltage | 0.0085 | |
| -20 | Normal Voltage | 0.0052 | |
| -30 | Normal Voltage | 0.0011 | |
| 20 | Maximum Voltage | 0.0093 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0099 | |

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.49 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP and Radiated Test

ERP

<Primary Antenna>

| LTE Band 26 / 15MHz (Channel 26765) (GT - LC = -4.4 dB) | | | | | | | |
|---|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 0 | 24.39 | 0.2748 | 17.84 | 0.0608 |
| Middle | | - | - | - | - | - | - |
| Highest | | - | - | - | - | - | - |
| Lowest | 16QAM | 1 | 0 | 23.68 | 0.2333 | 17.13 | 0.0516 |
| Middle | | - | - | - | - | - | - |
| Highest | | - | - | - | - | - | - |
| Lowest | 64QAM | 1 | 37 | 22.58 | 0.1811 | 16.03 | 0.0401 |
| Middle | | - | - | - | - | - | - |
| Highest | | - | - | - | - | - | - |
| Limit | ERP < 7W | | | Result | | PASS | |



<ASDIV Antenna>

| LTE Band 26 / 15MHz (Channel 26765) (GT - LC = -8 dB) | | | | | | | |
|---|----------|------|--------|-------------|---------------|----------|--------|
| Channel | Mode | RB | | Conducted | | ERP | |
| | | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest | QPSK | 1 | 0 | 24.29 | 0.2685 | 14.14 | 0.0259 |
| Middle | | - | - | - | - | - | - |
| Highest | | - | - | - | - | - | - |
| Lowest | 16QAM | 1 | 0 | 23.62 | 0.2301 | 13.47 | 0.0222 |
| Middle | | - | - | - | - | - | - |
| Highest | | - | - | - | - | - | - |
| Lowest | 64QAM | 1 | 37 | 22.47 | 0.1766 | 12.32 | 0.0171 |
| Middle | | - | - | - | - | - | - |
| Highest | | - | - | - | - | - | - |
| Limit | ERP < 7W | | | Result | | PASS | |



Radiated Spurious Emission

<Primary Antenna>

<Ant. 0>

LTE Band 26

| LTE Band 26 / 5MHz / 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) |
| Lowest | 1626 | -60.43 | -13 | -47.43 | -73.85 | -65.95 | 0.91 | 8.58 | H |
| | 2440 | -43.28 | -13 | -30.28 | -61.56 | -50.61 | 1.14 | 10.62 | H |
| | 3253 | -54.53 | -13 | -41.53 | -74.78 | -62.97 | 1.32 | 11.91 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1626 | -60.95 | -13 | -47.95 | -73.92 | -66.47 | 0.91 | 8.58 | V |
| | 2440 | -46.55 | -13 | -33.55 | -64.9 | -53.88 | 1.14 | 10.62 | V |
| | 3253 | -54.07 | -13 | -41.07 | -74.8 | -62.51 | 1.32 | 11.91 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 1632 | -60.40 | -13 | -47.40 | -73.83 | -65.94 | 0.91 | 8.60 | H |
| | 2448 | -43.06 | -13 | -30.06 | -61.35 | -50.40 | 1.14 | 10.63 | H |
| | 3264 | -54.07 | -13 | -41.07 | -74.3 | -62.54 | 1.32 | 11.93 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1632 | -60.85 | -13 | -47.85 | -73.81 | -66.39 | 0.91 | 8.60 | V |
| | 2448 | -46.16 | -13 | -33.16 | -64.54 | -53.50 | 1.14 | 10.63 | V |
| | 3264 | -54.10 | -13 | -41.10 | -74.81 | -62.57 | 1.32 | 11.93 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1626 | -60.80 | -13 | -47.80 | -74.22 | -66.32 | 0.91 | 8.58 | H |
| | 2440 | -42.62 | -13 | -29.62 | -60.9 | -49.95 | 1.14 | 10.62 | H |
| | 3253 | -54.26 | -13 | -41.26 | -74.51 | -62.70 | 1.32 | 11.91 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1626 | -61.01 | -13 | -48.01 | -73.98 | -66.53 | 0.91 | 8.58 | V |
| | 2440 | -45.76 | -13 | -32.76 | -64.11 | -53.09 | 1.14 | 10.62 | V |
| | 3253 | -53.84 | -13 | -40.84 | -74.58 | -62.28 | 1.32 | 11.91 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 26 / 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 | 1640 | -60.37 | -13 | -47.37 | -73.83 | -65.93 | 0.92 | 8.63 | H |
| | 2456 | -56.03 | -13 | -43.03 | -74.34 | -63.38 | 1.14 | 10.64 | H |
| | 3272 | -54.47 | -13 | -41.47 | -74.68 | -62.95 | 1.32 | 11.95 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1640 | -61.15 | -13 | -48.15 | -74.1 | -66.71 | 0.92 | 8.63 | V |
| | 2456 | -55.85 | -13 | -42.85 | -74.26 | -63.20 | 1.14 | 10.64 | V |
| | 3272 | -53.64 | -13 | -40.64 | -74.33 | -62.12 | 1.32 | 11.95 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 26 / 15MHz / 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) |
| Lowest | 1632 | -60.69 | -13 | -47.69 | -74.12 | -66.23 | 0.91 | 8.60 | H |
| | 2448 | -47.69 | -13 | -34.69 | -65.98 | -55.03 | 1.14 | 10.63 | H |
| | 3264 | -54.31 | -13 | -41.31 | -74.54 | -62.78 | 1.32 | 11.93 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1632 | -60.58 | -13 | -47.58 | -73.54 | -66.12 | 0.91 | 8.60 | V |
| | 2448 | -48.82 | -13 | -35.82 | -67.2 | -56.16 | 1.14 | 10.63 | V |
| | 3264 | -54.06 | -13 | -41.06 | -74.77 | -62.53 | 1.32 | 11.93 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



<ASDIV Antenna>

<Ant. 1>

LTE Band 26

| LTE Band 26 / 5MHz / 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) |
| Lowest | 1629 | -60.63 | -13 | -47.63 | -74.06 | -66.16 | 0.91 | 8.59 | H |
| | 2443 | -46.07 | -13 | -33.07 | -64.35 | -53.40 | 1.14 | 10.62 | H |
| | 3257 | -54.43 | -13 | -41.43 | -74.67 | -62.88 | 1.32 | 11.92 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1629 | -61.37 | -13 | -48.37 | -74.34 | -66.90 | 0.91 | 8.59 | V |
| | 2443 | -47.74 | -13 | -34.74 | -66.09 | -55.07 | 1.14 | 10.62 | V |
| | 3257 | -53.63 | -13 | -40.63 | -74.36 | -62.08 | 1.32 | 11.92 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 1634 | -60.87 | -13 | -47.87 | -74.32 | -66.41 | 0.92 | 8.61 | H |
| | 2451 | -46.26 | -13 | -33.26 | -64.56 | -53.60 | 1.14 | 10.63 | H |
| | 3267 | -55.05 | -13 | -42.05 | -75.27 | -63.52 | 1.32 | 11.94 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1634 | -61.54 | -13 | -48.54 | -74.51 | -67.08 | 0.92 | 8.61 | V |
| | 2451 | -48.52 | -13 | -35.52 | -66.91 | -55.86 | 1.14 | 10.63 | V |
| | 3267 | -54.26 | -13 | -41.26 | -74.96 | -62.73 | 1.32 | 11.94 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1639 | -60.57 | -13 | -47.57 | -74.02 | -66.13 | 0.92 | 8.63 | H |
| | 2458 | -49.07 | -13 | -36.07 | -67.38 | -56.42 | 1.14 | 10.64 | H |
| | 3277 | -54.38 | -13 | -41.38 | -74.58 | -62.87 | 1.32 | 11.96 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1639 | -61.27 | -13 | -48.27 | -74.22 | -66.83 | 0.92 | 8.63 | V |
| | 2458 | -50.49 | -13 | -37.49 | -68.91 | -57.84 | 1.14 | 10.64 | V |
| | 3277 | -53.95 | -13 | -40.95 | -74.63 | -62.44 | 1.32 | 11.96 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 26 / 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 | 1629 | -61.09 | -13 | -48.09 | -74.52 | -66.62 | 0.91 | 8.59 | H |
| | 2444 | -55.53 | -13 | -42.53 | -73.81 | -62.86 | 1.14 | 10.62 | H |
| | 3258 | -55.02 | -13 | -42.02 | -75.26 | -63.47 | 1.32 | 11.92 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1629 | -61.60 | -13 | -48.60 | -74.57 | -67.13 | 0.91 | 8.59 | V |
| | 2444 | -55.40 | -13 | -42.40 | -73.76 | -62.73 | 1.14 | 10.62 | V |
| | 3258 | -54.52 | -13 | -41.52 | -75.24 | -62.97 | 1.32 | 11.92 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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



| LTE Band 26 / 15MHz / 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) |
| Lowest | 1630 | -61.20 | -13 | -48.20 | -74.62 | -66.73 | 0.91 | 8.59 | H |
| | 2445 | -55.94 | -13 | -42.94 | -74.22 | -63.28 | 1.14 | 10.62 | H |
| | 3259 | -54.93 | -13 | -41.93 | -75.16 | -63.38 | 1.32 | 11.92 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1630 | -61.63 | -13 | -48.63 | -74.59 | -67.16 | 0.91 | 8.59 | V |
| | 2445 | -53.71 | -13 | -40.71 | -72.07 | -61.05 | 1.14 | 10.62 | V |
| | 3259 | -54.50 | -13 | -41.50 | -75.22 | -62.95 | 1.32 | 11.92 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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

————THE END————