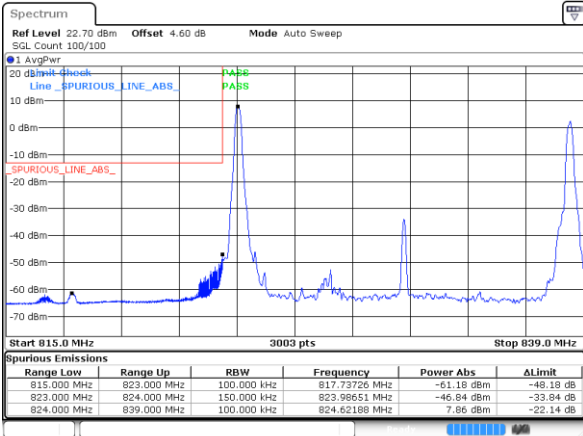




LTE Band 5B / 5MHz+10MHz

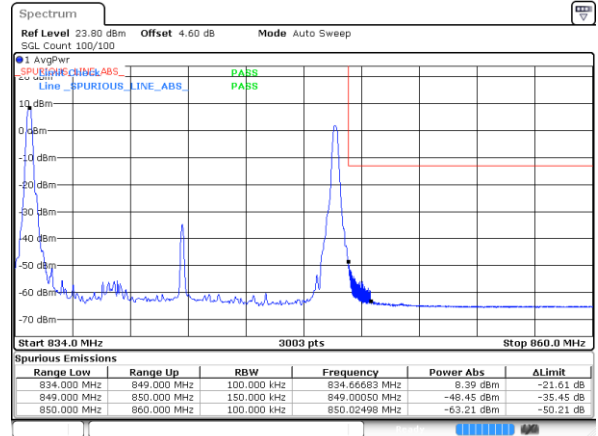
64QAM

Lowest Band Edge / 1RB0 and 1RB49



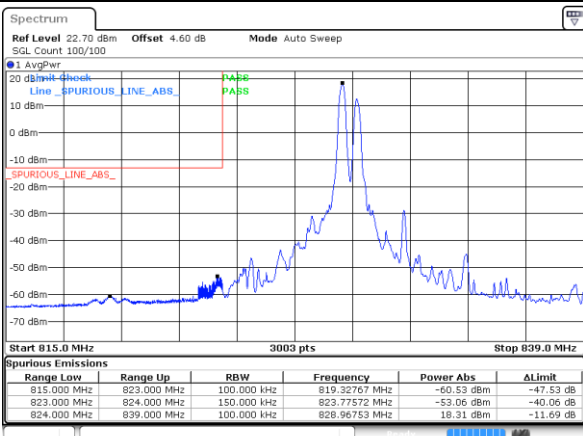
Date: 4 JUL 2020 15:56:50

Highest Band Edge / 1RB0 and 1RB49



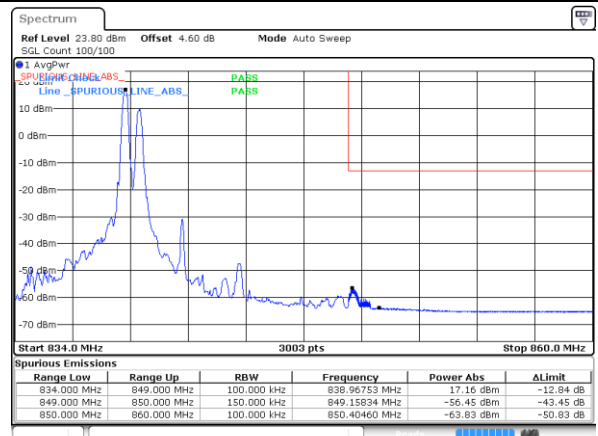
Date: 4 JUL 2020 15:43:31

Lowest Band Edge / 1RB24 and 1RB0



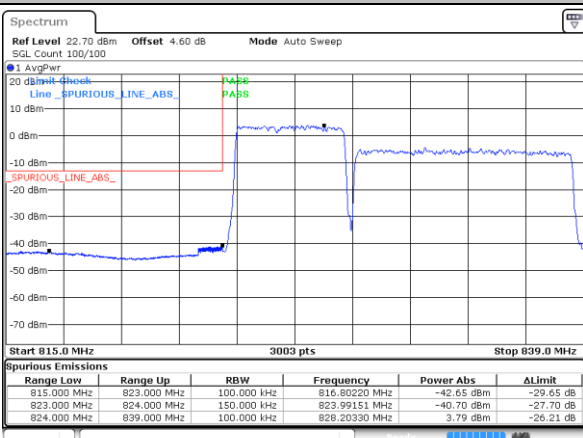
Date: 4 JUL 2020 15:59:29

Highest Band Edge / 1RB24 and 1RB0



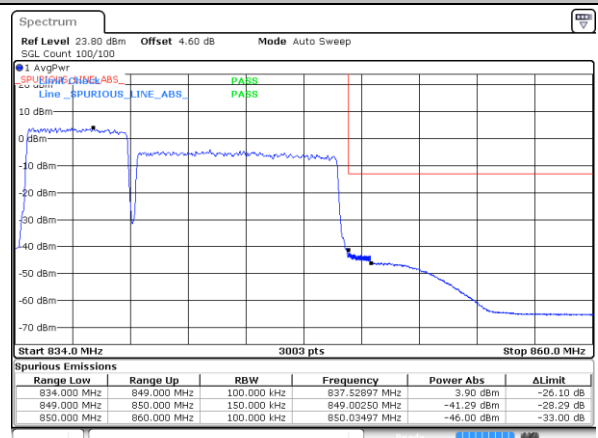
Date: 4 JUL 2020 15:48:15

Lowest Band Edge / Full RB



Date: 4 JUL 2020 15:54:21

Highest Band Edge / Full RB



Date: 4 JUL 2020 15:42:34

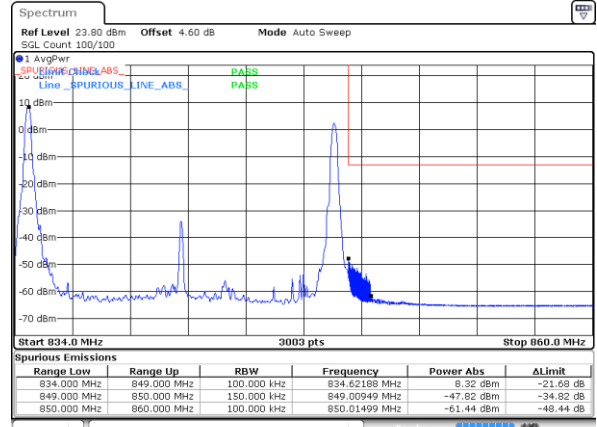
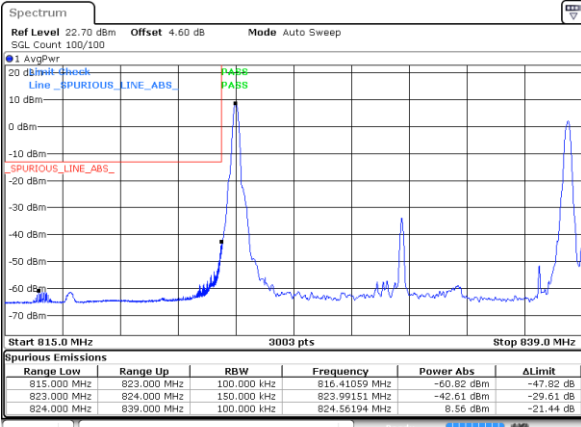


LTE Band 5B / 10MHz+5MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

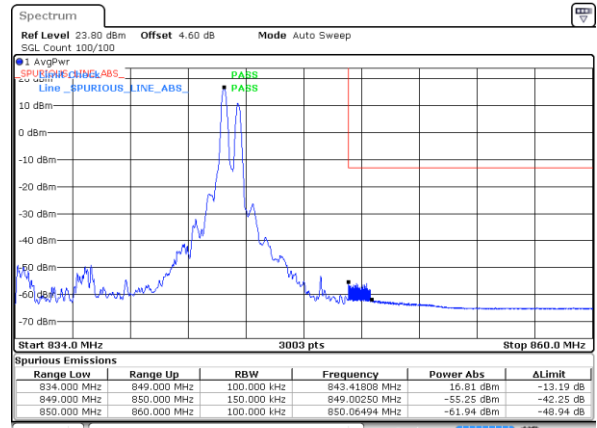
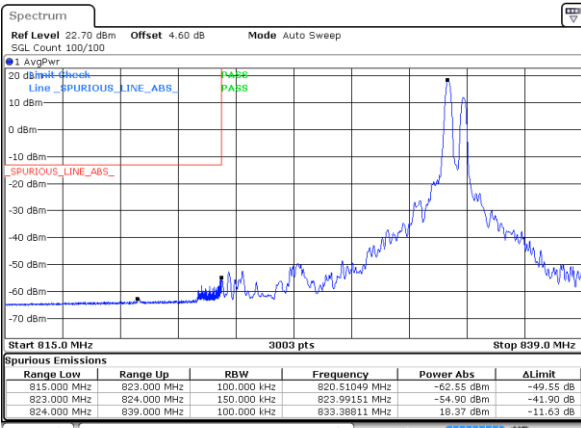


Date: 4 JUL 2020 16:29:18

Date: 4 JUL 2020 16:43:11

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

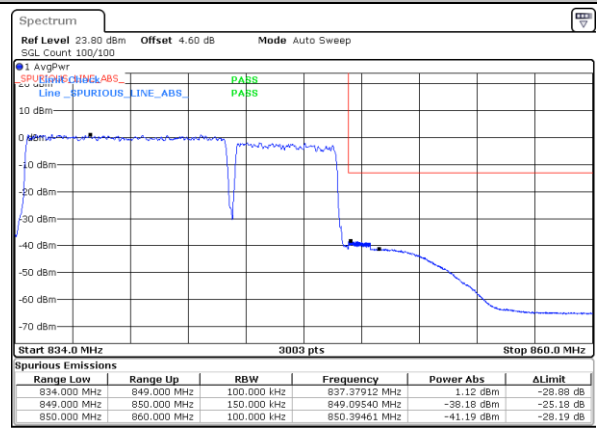
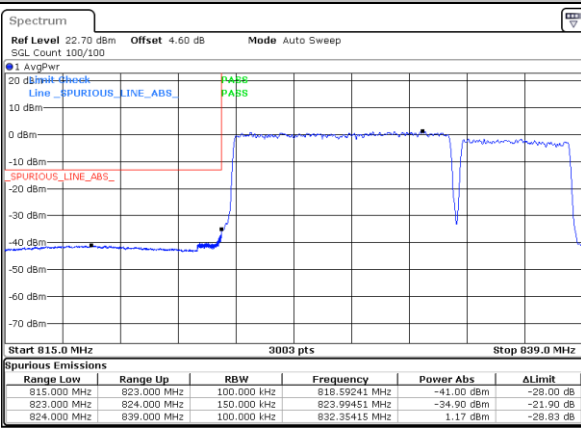


Date: 4 JUL 2020 16:33:25

Date: 4 JUL 2020 16:43:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4 JUL 2020 16:28:15

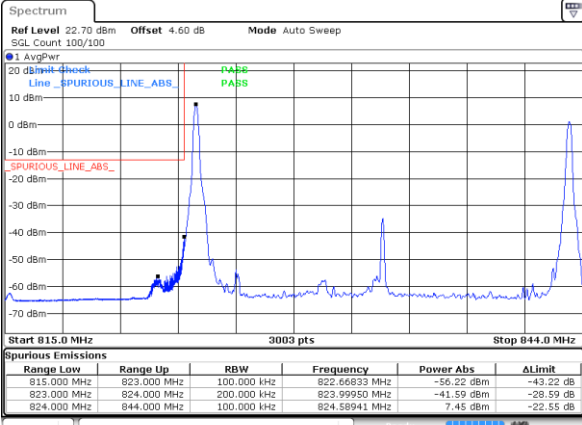
Date: 4 JUL 2020 16:38:24



LTE Band 5B / 10MHz+10MHz

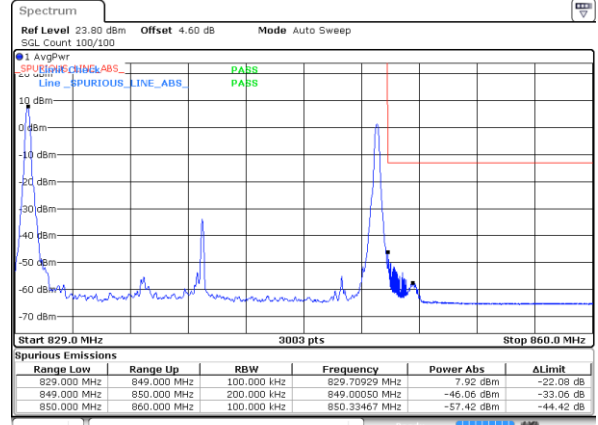
64QAM

Lowest Band Edge / 1RB0 and 1RB49



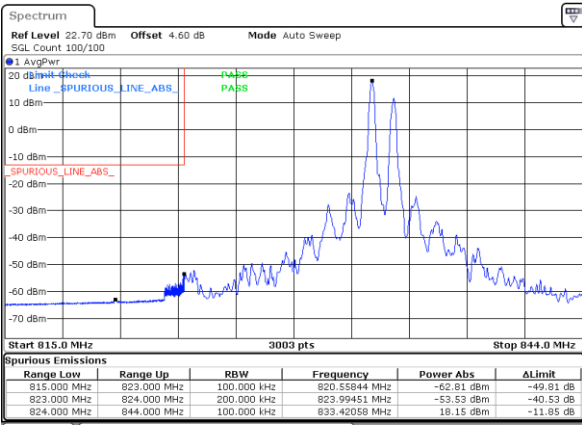
Date: 4 JUL 2020 17:07:46

Highest Band Edge / 1RB0 and 1RB49



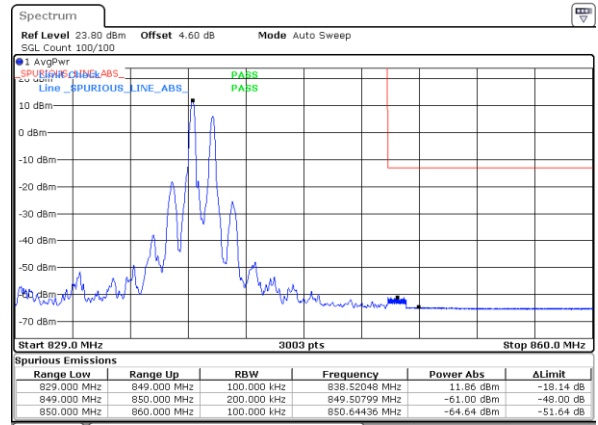
Date: 4 JUL 2020 17:25:14

Lowest Band Edge / 1RB49 and 1RB0



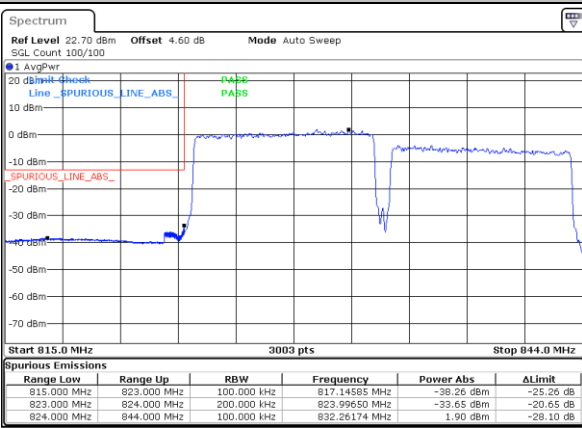
Date: 4 JUL 2020 17:11:41

Highest Band Edge / 1RB49 and 1RB0



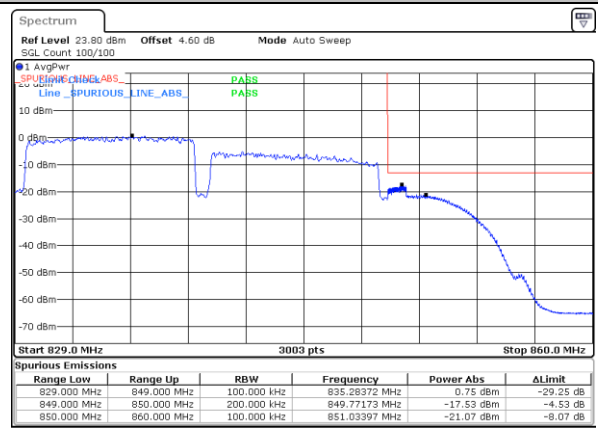
Date: 4 JUL 2020 17:25:58

Lowest Band Edge / Full RB



Date: 4 JUL 2020 17:06:29

Highest Band Edge / Full RB



Date: 4 JUL 2020 17:19:36

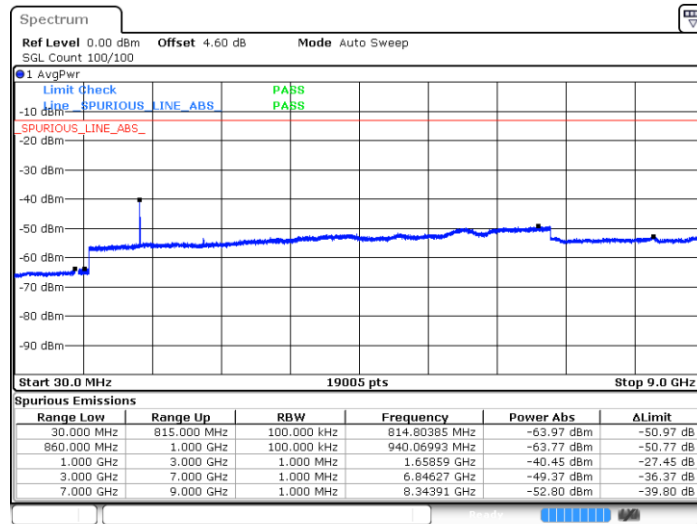


Conducted Spurious Emission

LTE Band 5B / 5MHz+10MHz

QPSK

Lowest Channel / 1RB24 and 1RB0



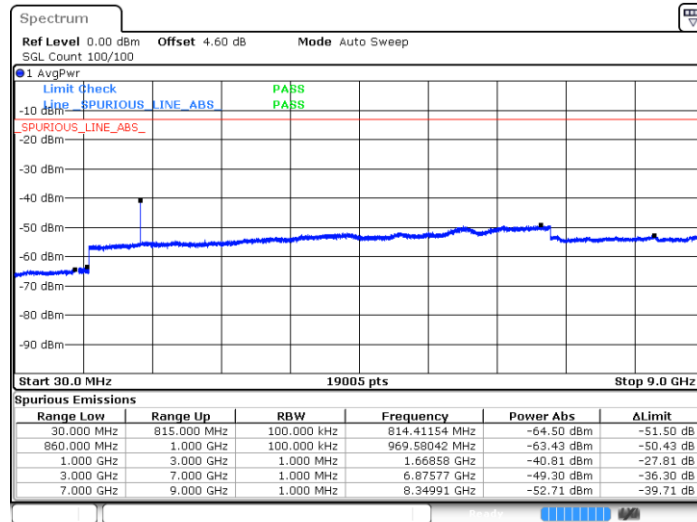
Date: 4 JUL 2020 16:01:43



LTE Band 5B / 5MHz+10MHz

QPSK

Middle Channel / 1RB24 and 1RB0

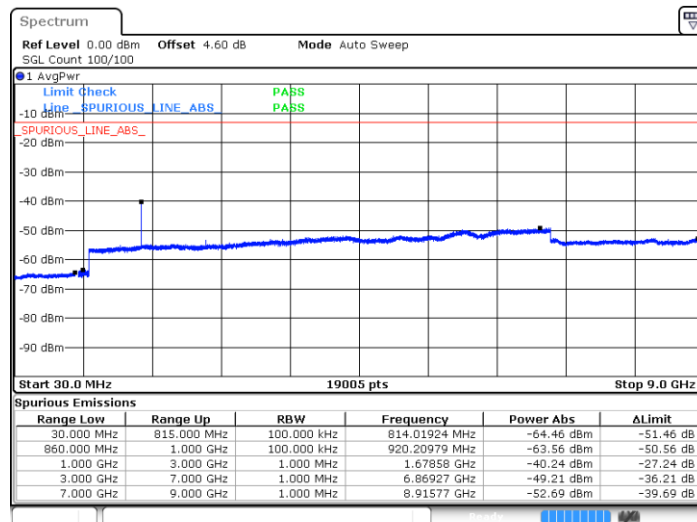


Date: 4 JUL 2020 15:50:27

LTE Band 5B / 5MHz+10MHz

QPSK

Highest Channel / 1RB24 and 1RB0



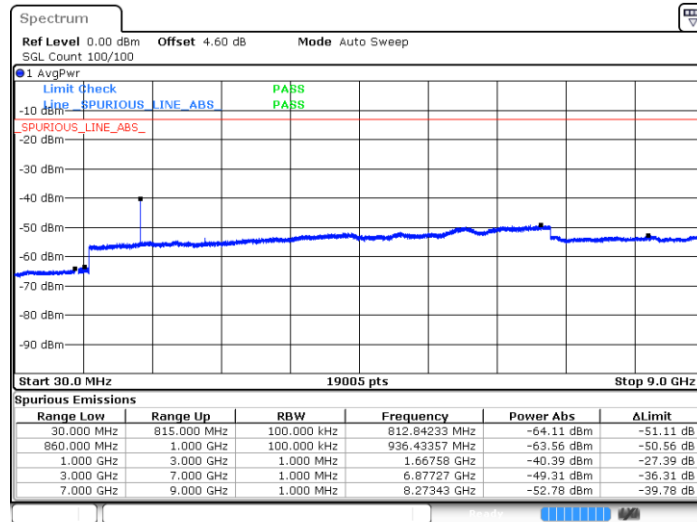
Date: 4 JUL 2020 15:46:26



LTE Band 5B / 10MHz+5MHz

QPSK

Lowest Channel / 1RB49 and 1RB0

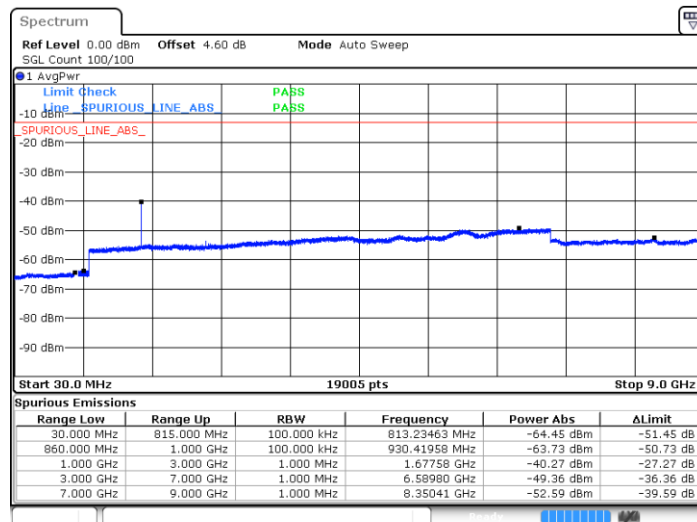


Date: 4 JUL 2020 16:31:43

LTE Band 5B / 10MHz+5MHz

QPSK

Middle Channel / 1RB49 and 1RB0



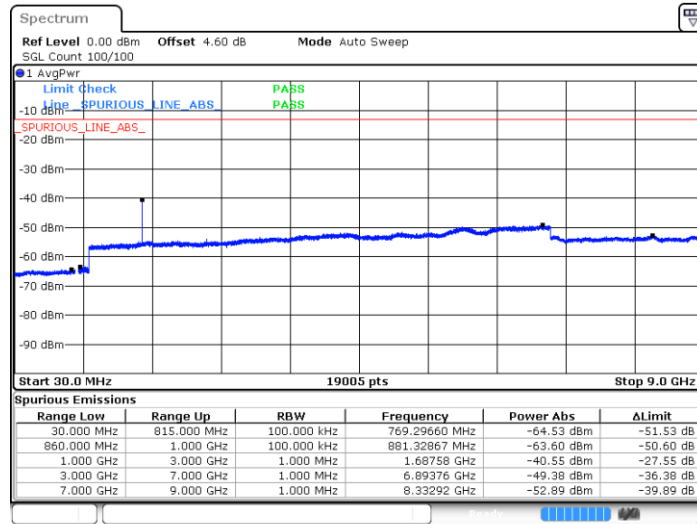
Date: 4 JUL 2020 16:35:45



LTE Band 5B / 10MHz+5MHz

QPSK

Highest Channel / 1RB49 and 1RB0

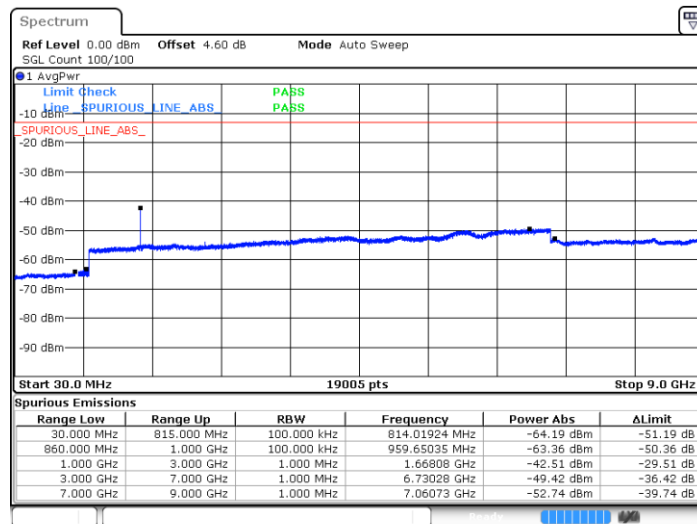


Date: 4 JUL 2020 16:59:00

LTE Band 5B / 10MHz+10MHz

QPSK

Lowest Channel / 1RB49 and 1RB0



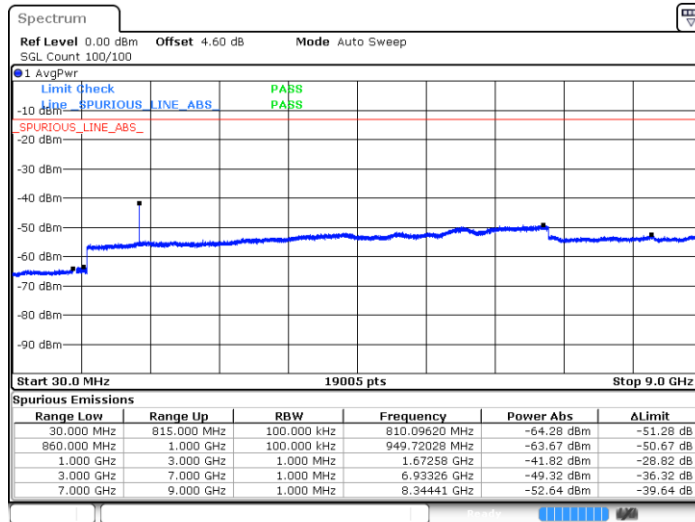
Date: 4 JUL 2020 17:10:00



LTE Band 5B / 10MHz+10MHz

QPSK

Middle Channel / 1RB49 and 1RB0



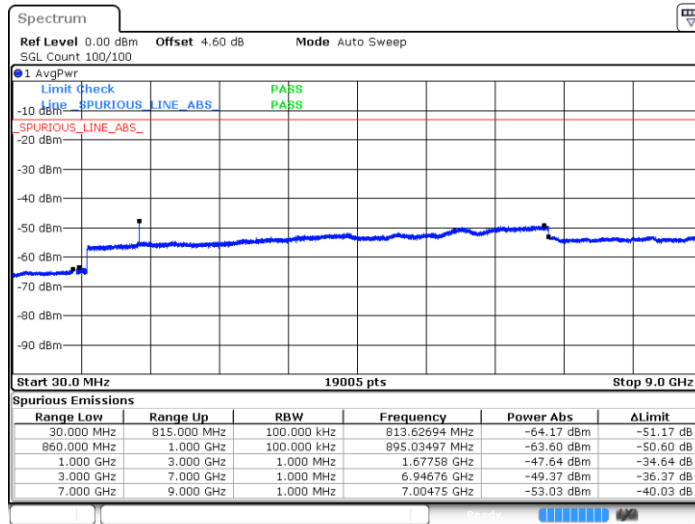
Date: 4 JUL 2020 17:14:00



LTE Band 5B / 10MHz+10MHz

QPSK

Highest Channel / 1RB49 and 1RB0

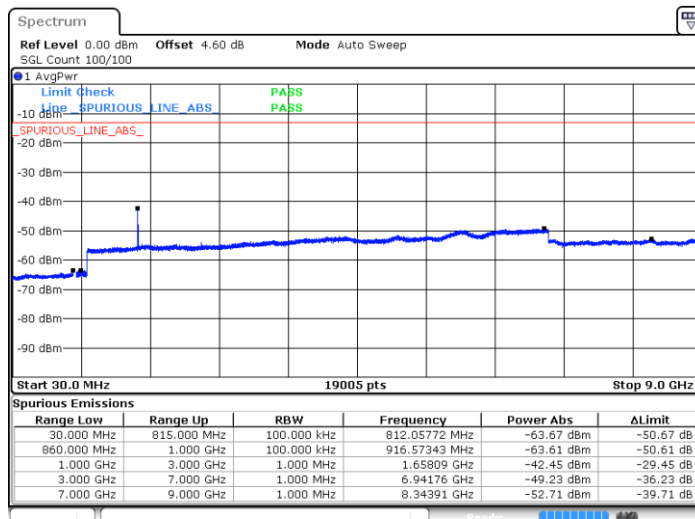


Date: 4 JUL 2020 17:28:29

LTE Band 5B / 5MHz+10MHz

16QAM

Lowest Channel / 1RB24 and 1RB0



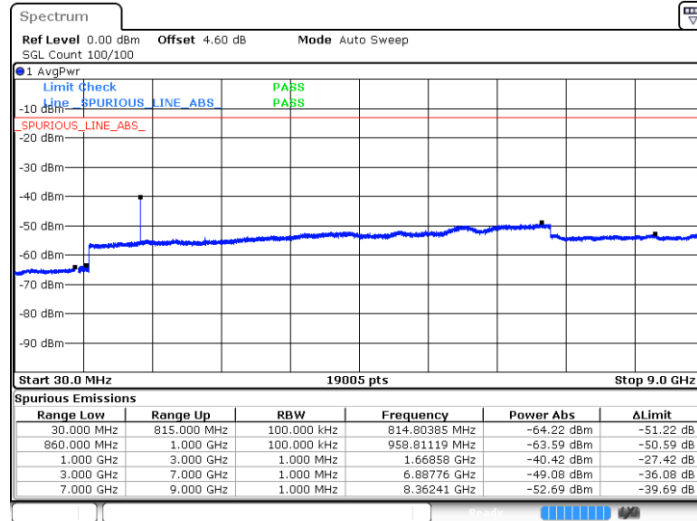
Date: 4 JUL 2020 16:00:47



LTE Band 5B / 5MHz+10MHz

16QAM

Middle Channel / 1RB24 and 1RB0

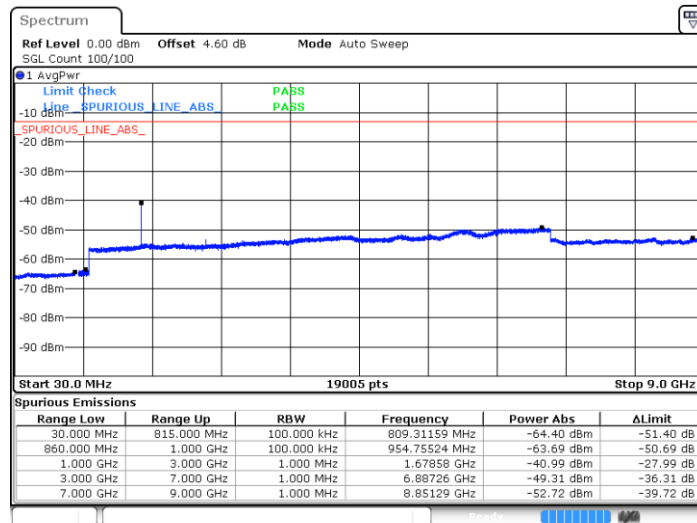


Date: 4 JUL 2020 15:49:54

LTE Band 5B / 5MHz+10MHz

16QAM

Highest Channel / 1RB24 and 1RB0



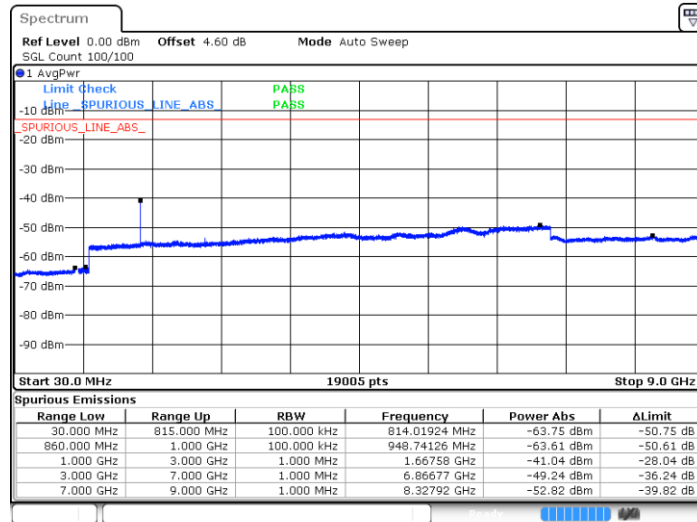
Date: 4 JUL 2020 15:47:29



LTE Band 5B / 10MHz+5MHz

16QAM

Lowest Channel / 1RB49 and 1RB0

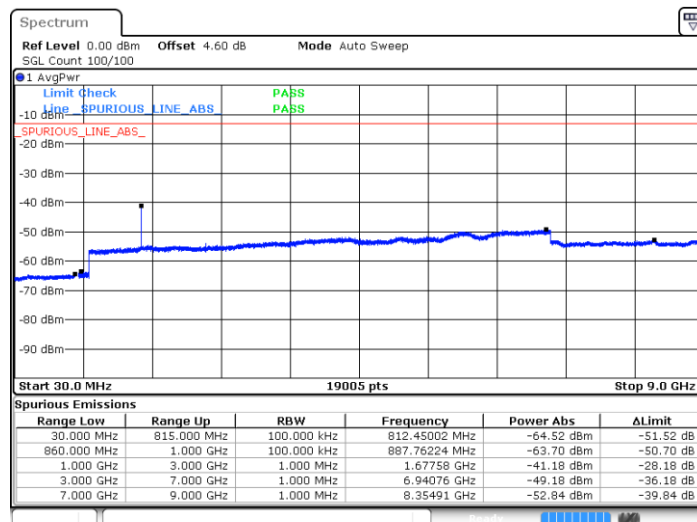


Date: 4 JUL 2020 16:32:44

LTE Band 5B / 10MHz+5MHz

16QAM

Middle Channel / 1RB49 and 1RB0



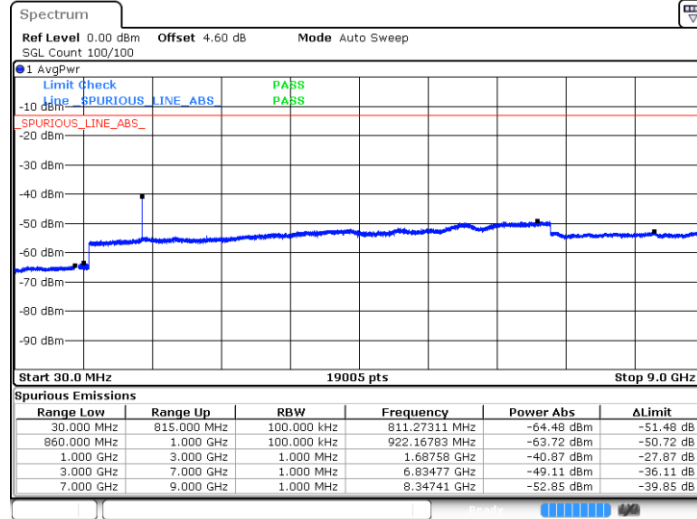
Date: 4 JUL 2020 16:35:09



LTE Band 5B / 10MHz+5MHz

16QAM

Highest Channel / 1RB49 and 1RB0

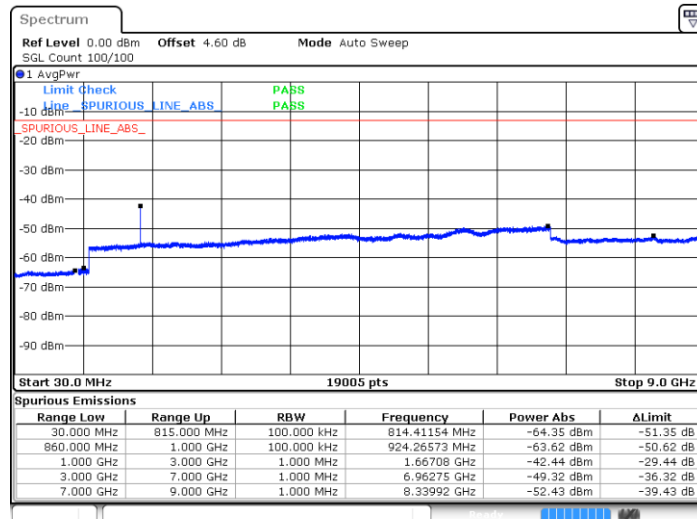


Date: 4 JUL 2020 16:57:55

LTE Band 5B / 10MHz+10MHz

16QAM

Lowest Channel / 1RB49 and 1RB0



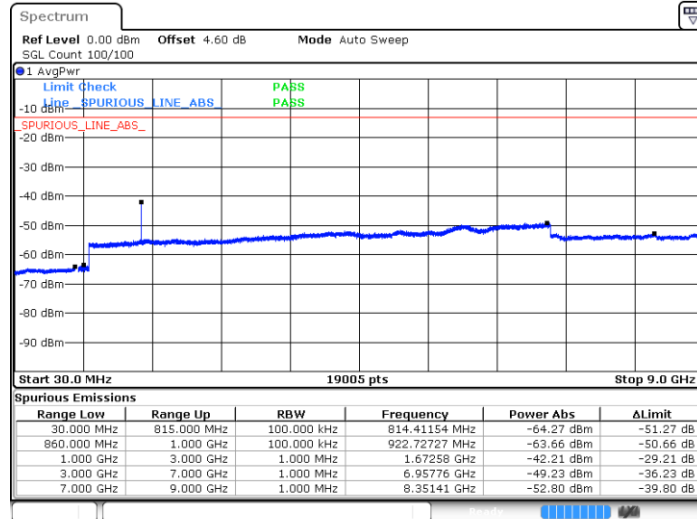
Date: 4 JUL 2020 17:11:01



LTE Band 5B / 10MHz+10MHz

16QAM

Middle Channel / 1RB49 and 1RB0

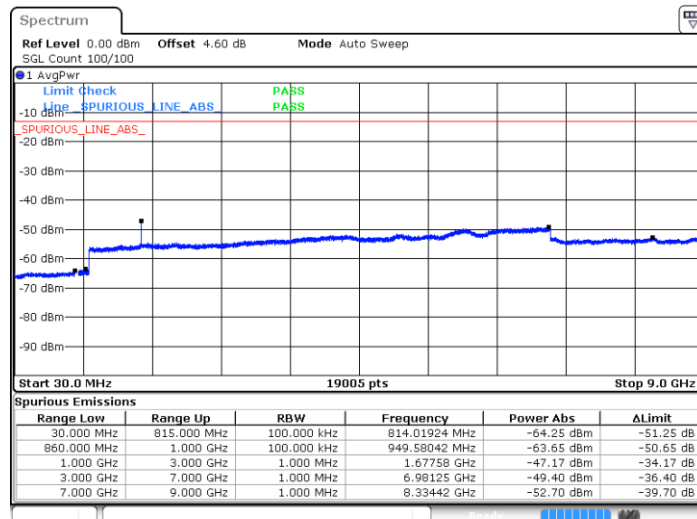


Date: 4 JUL 2020 17:13:28

LTE Band 5B / 10MHz+10MHz

16QAM

Highest Channel / 1RB49 and 1RB0



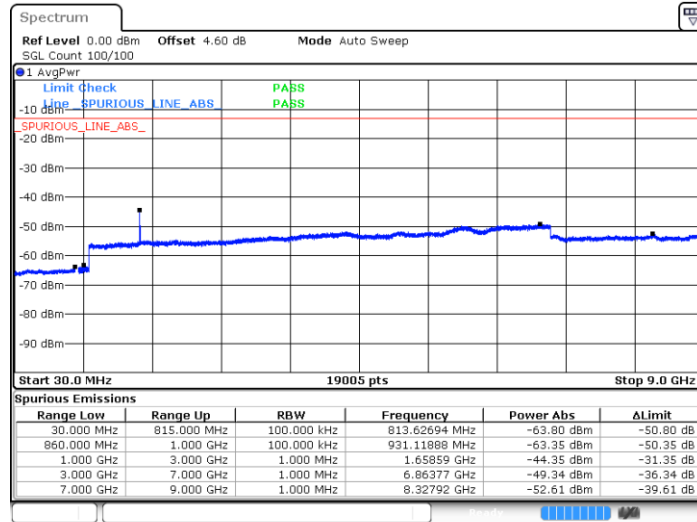
Date: 4 JUL 2020 17:27:23



LTE Band 5B / 5MHz+10MHz

64QAM

Lowest Channel / 1RB24 and 1RB0

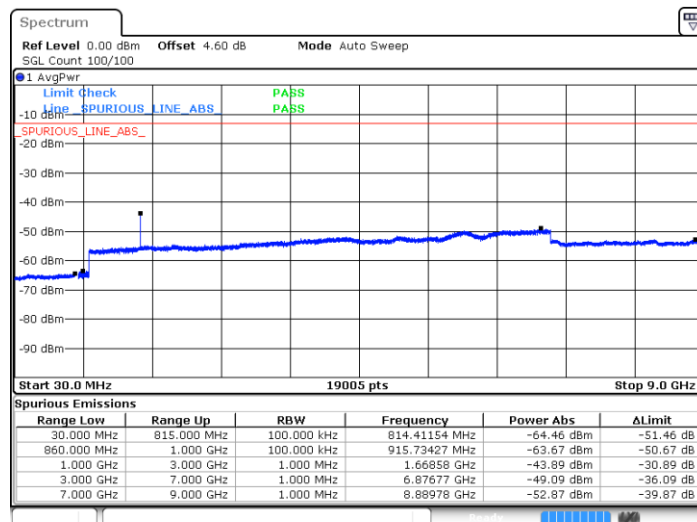


Date: 4 JUL 2020 15:59:49

LTE Band 5B / 5MHz+10MHz

64QAM

Middle Channel / 1RB24 and 1RB0



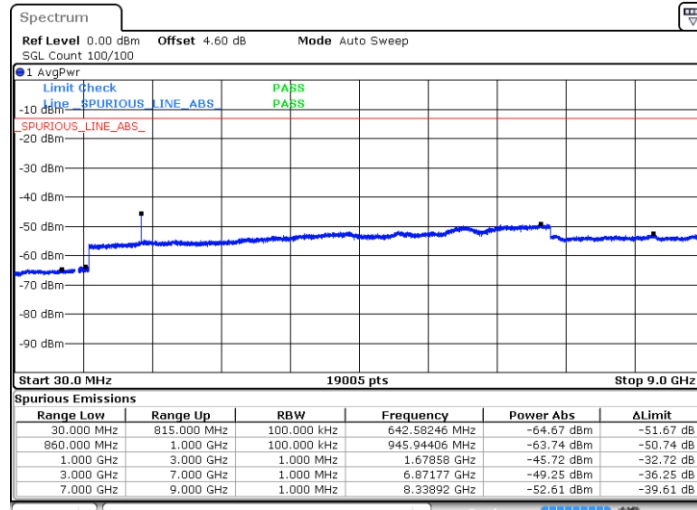
Date: 4 JUL 2020 15:49:23



LTE Band 5B / 5MHz+10MHz

64QAM

Highest Channel / 1RB24 and 1RB0

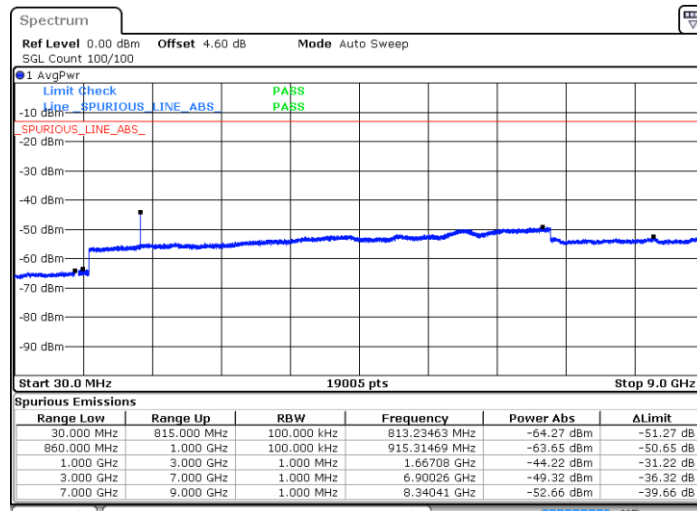


Date: 4 JUL 2020 15:48:37

LTE Band 5B / 10MHz+5MHz

64QAM

Lowest Channel / 1RB49 and 1RB0



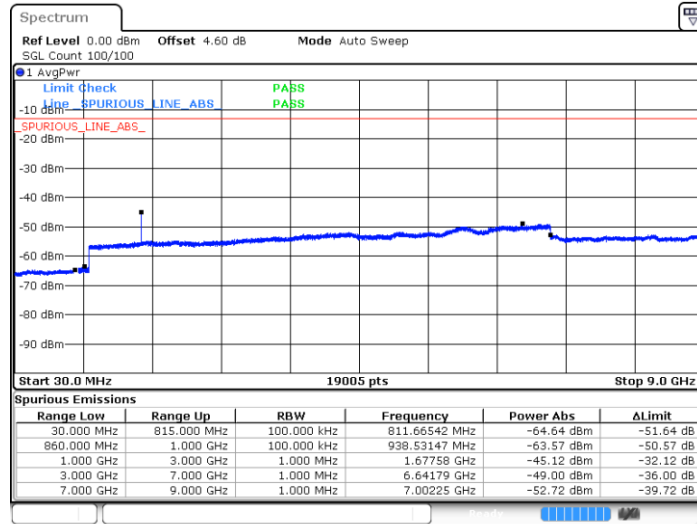
Date: 4 JUL 2020 16:33:45



LTE Band 5B / 10MHz+5MHz

64QAM

Middle Channel / 1RB49 and 1RB0

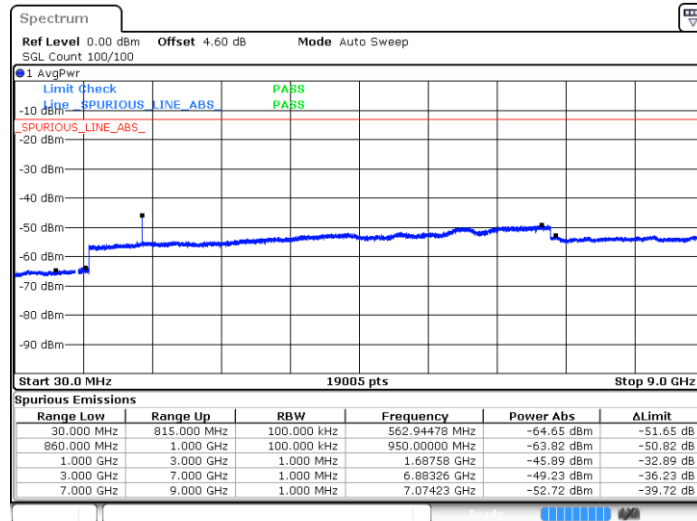


Date: 4 JUL 2020 16:34:36

LTE Band 5B / 10MHz+5MHz

64QAM

Highest Channel / 1RB49 and 1RB0



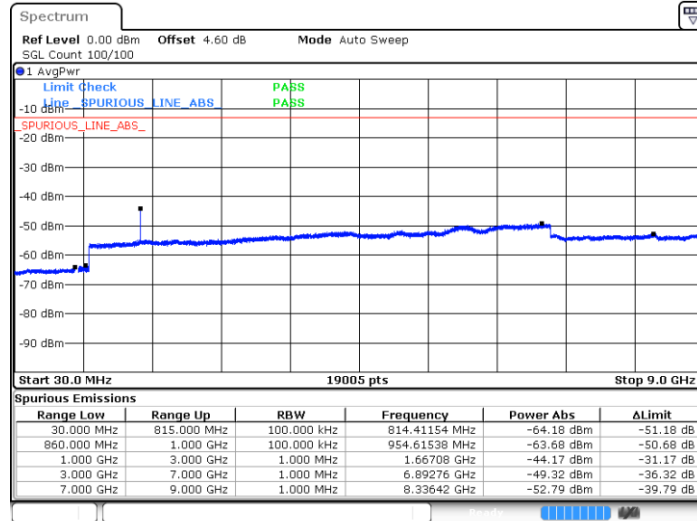
Date: 4 JUL 2020 16:44:21



LTE Band 5B / 10MHz+10MHz

64QAM

Lowest Channel / 1RB49 and 1RB0

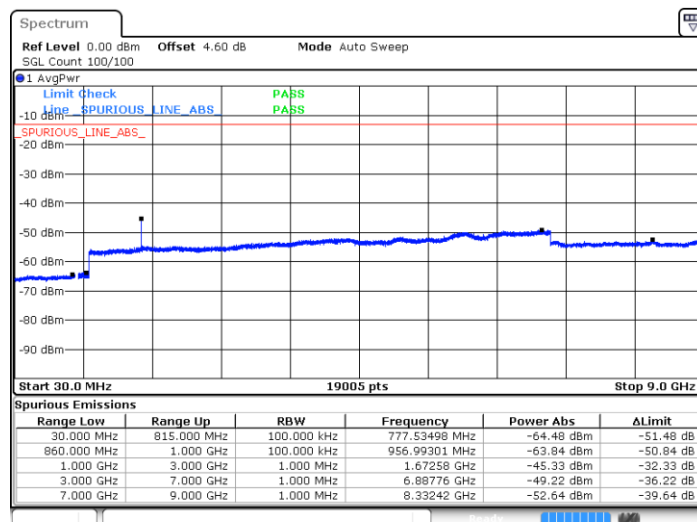


Date: 4.JUL.2020 17:12:02

LTE Band 5B / 10MHz+10MHz

64QAM

Middle Channel / 1RB49 and 1RB0



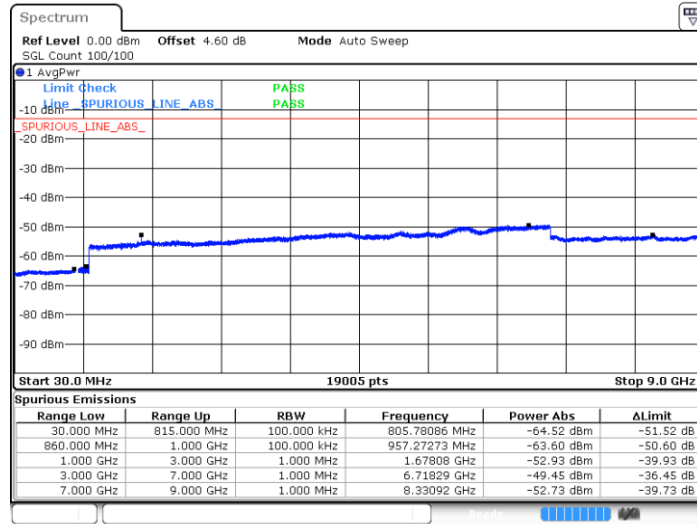
Date: 4.JUL.2020 17:12:55



LTE Band 5B / 10MHz+10MHz

64QAM

Highest Channel / 1RB49 and 1RB0



Date: 4 JUL 2020 17:26:20



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

| LTE Band 2 / 20MHz / 16QAM | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | -50.50 | -13 | -37.50 | -62.76 | 2.64 | 14.90 | H |
| | 5613 | -44.31 | -13 | -31.31 | -56.17 | 2.94 | 14.80 | H |
| | 7488 | -41.77 | -13 | -28.77 | -51.54 | 3.39 | 13.16 | H |
| | 3741 | -50.34 | -13 | -37.34 | -62.60 | 2.64 | 14.90 | V |
| | 5613 | -44.82 | -13 | -31.82 | -56.68 | 2.94 | 14.80 | V |
| | 7488 | -42.25 | -13 | -29.25 | -52.02 | 3.39 | 13.16 | V |

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

| LTE Band 5 / 10MHz / 64QAM | | | | | | | | |
|----------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | -61.54 | -13 | -48.54 | -71.65 | 2.64 | 14.90 | H |
| | 2496 | -54.72 | -13 | -41.72 | -64.43 | 2.94 | 14.80 | H |
| | 3330 | -55.14 | -13 | -42.14 | -62.76 | 3.39 | 13.16 | H |
| | 1664 | -60.13 | -13 | -47.13 | -70.24 | 2.64 | 14.90 | V |
| | 2496 | -54.84 | -13 | -41.84 | -64.55 | 2.94 | 14.80 | V |
| | 3330 | -55.31 | -13 | -42.31 | -62.93 | 3.39 | 13.16 | V |

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



| LTE Band 12 / 10MHz / 16QAM | | | | | | | | |
|-----------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | -62.43 | -13 | -49.43 | -69.40 | 1.58 | 10.70 | H |
| | 2110 | -54.94 | -13 | -41.94 | -63.19 | 2.102 | 12.50 | H |
| | 2812 | -56.13 | -13 | -43.13 | -65.02 | 2.856 | 13.90 | H |
| | 3516 | -54.69 | -13 | -41.69 | -63.15 | 2.689 | 13.30 | H |
| | 1406 | -64.10 | -13 | -51.10 | -71.07 | 1.58 | 10.70 | V |
| | 2110 | -55.62 | -13 | -42.62 | -63.87 | 2.10 | 12.50 | V |
| | 2812 | -56.17 | -13 | -43.17 | -65.06 | 2.86 | 13.90 | V |
| 3516 | -54.54 | -13 | -41.54 | -63.00 | 2.69 | 13.30 | V | |

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

| LTE Band 13 / 5MHz / 64QAM | | | | | | | | |
|----------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | -62.76 | -42.15 | -18.46 | -72.87 | 2.64 | 14.90 | H |
| | 2340 | -56.42 | -13 | -43.42 | -66.13 | 2.94 | 14.80 | H |
| | 3120 | -55.75 | -13 | -42.75 | -63.37 | 3.39 | 13.16 | H |
| | 1560 | -63.20 | -42.15 | -18.90 | -73.31 | 2.64 | 14.90 | V |
| | 2340 | -55.82 | -13 | -42.82 | -65.53 | 2.94 | 14.80 | V |
| | 3120 | -56.00 | -13 | -43.00 | -63.62 | 3.39 | 13.16 | V |

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

| LTE Band 13 / 10MHz / 64QAM | | | | | | | | |
|-----------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | -59.69 | -13 | -46.69 | -69.8 | 2.64 | 14.90 | H |
| | 2332 | -55.91 | -13 | -42.91 | -65.62 | 2.94 | 14.80 | H |
| | 3108 | -55.61 | -13 | -42.61 | -63.23 | 3.39 | 13.16 | H |
| | 1556 | -62.63 | -13 | -49.63 | -72.74 | 2.64 | 14.90 | V |
| | 2332 | -54.78 | -13 | -41.78 | -64.49 | 2.94 | 14.80 | V |
| | 3108 | -55.69 | -13 | -42.69 | -63.31 | 3.39 | 13.16 | V |

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



| LTE Band 66 / 20MHz / 16QAM | | | | | | | | |
|-----------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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 | -52.32 | -13 | -39.32 | -64.58 | 2.64 | 14.90 | H |
| | 5208 | -45.79 | -13 | -32.79 | -57.65 | 2.94 | 14.80 | H |
| | 6948 | -43.28 | -13 | -30.28 | -53.05 | 3.39 | 13.16 | H |
| | 3471 | -52.77 | -13 | -39.77 | -65.03 | 2.64 | 14.90 | V |
| | 5208 | -45.89 | -13 | -32.89 | -57.75 | 2.94 | 14.80 | V |
| | 6948 | -43.40 | -13 | -30.40 | -53.17 | 3.39 | 13.16 | V |

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

| LTE Band 5B_CA / 10MHz + 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 | 1654 | -66.42 | -13 | -53.42 | -76.53 | 2.64 | 14.90 | H |
| | 2482 | -63.62 | -13 | -50.62 | -73.33 | 2.94 | 14.80 | H |
| | 3306 | -63.07 | -13 | -50.07 | -70.69 | 3.39 | 13.16 | H |
| | 1654 | -65.41 | -13 | -52.41 | -75.52 | 2.64 | 14.90 | V |
| | 2482 | -63.27 | -13 | -50.27 | -72.98 | 2.94 | 14.80 | V |
| | 3306 | -62.57 | -13 | -49.57 | -70.19 | 3.39 | 13.16 | V |

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