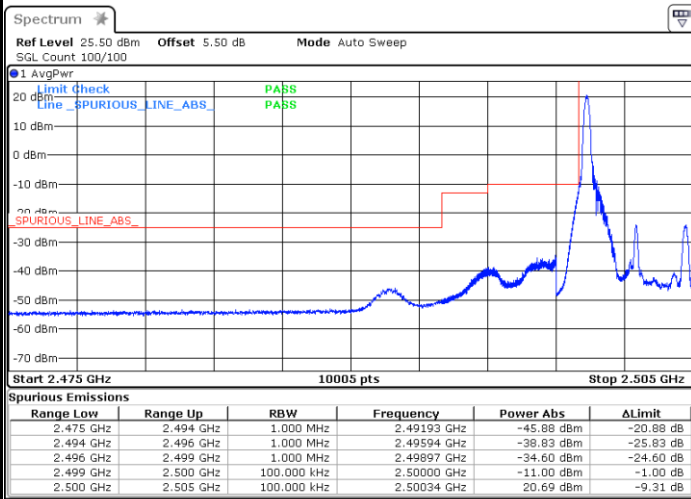




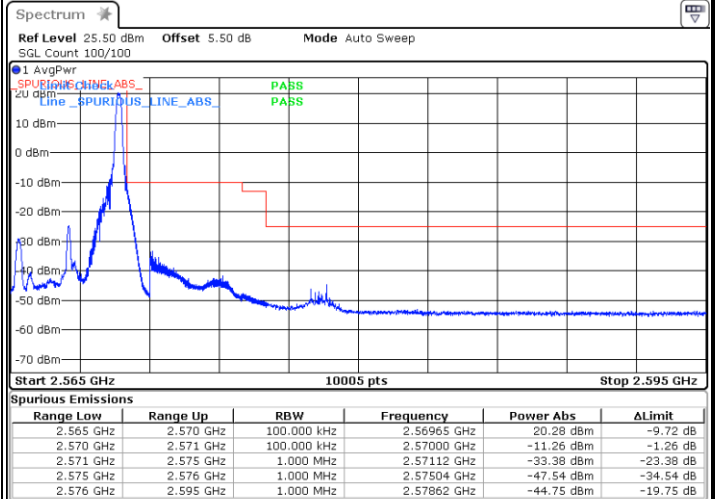
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

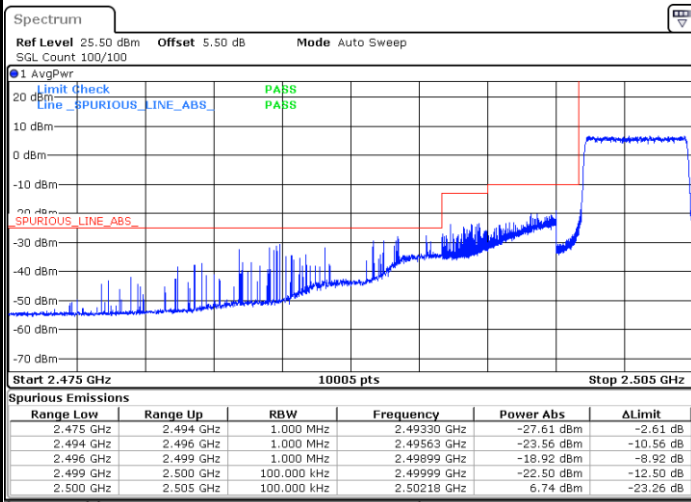
Lowest Band Edge / 1 RB



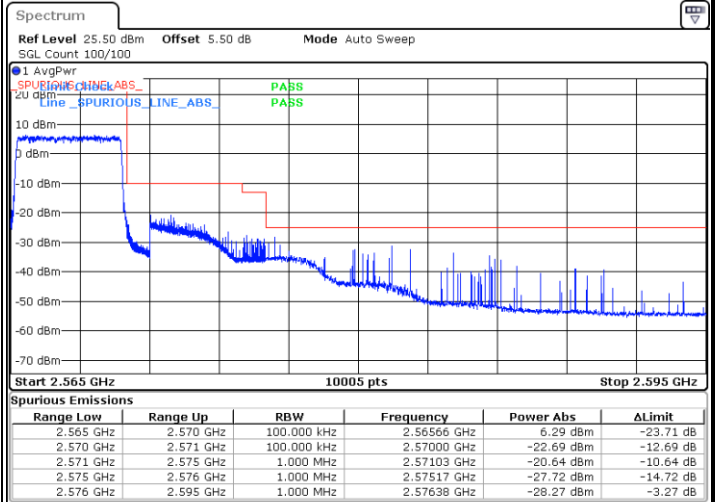
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

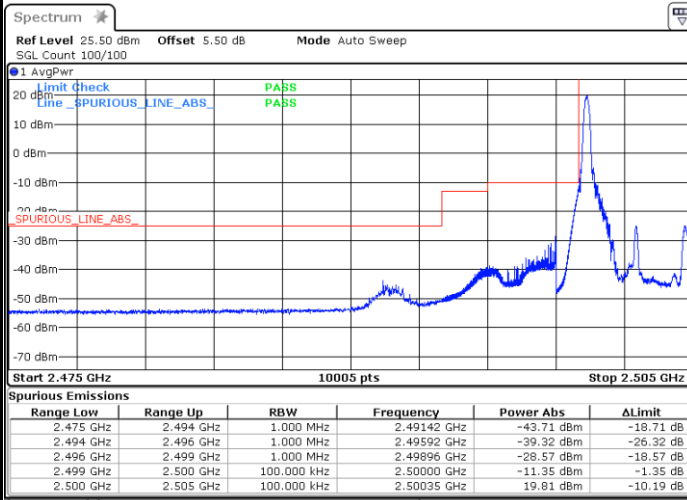




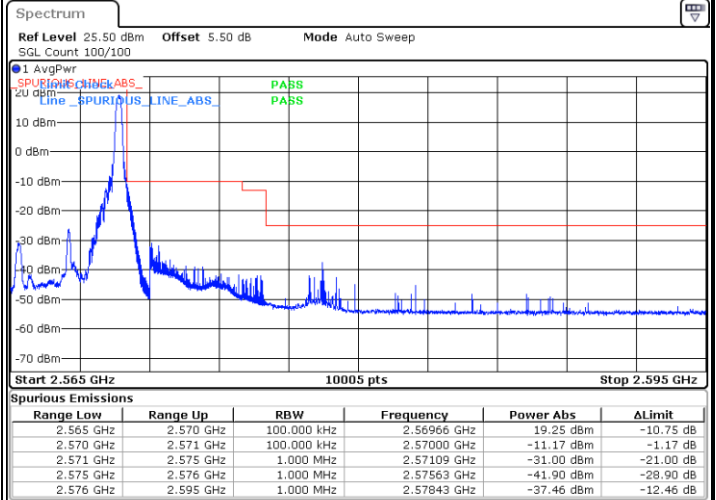
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



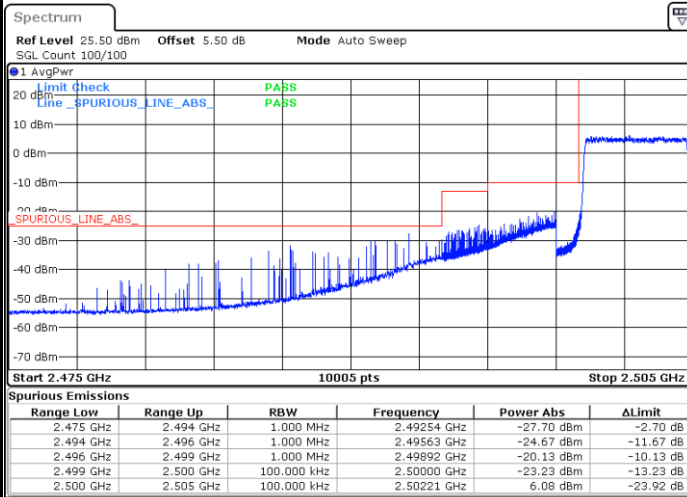
Date: 27.MAY.2020 02:05:45



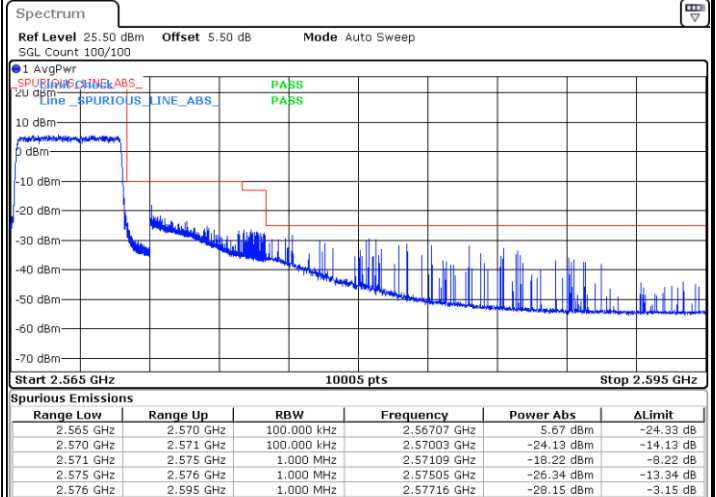
Date: 27.MAY.2020 01:03:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.MAY.2020 00:58:43

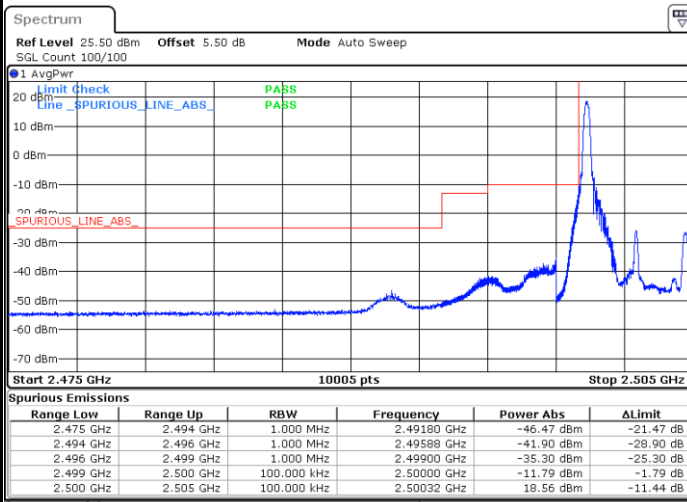


Date: 27.MAY.2020 01:02:07



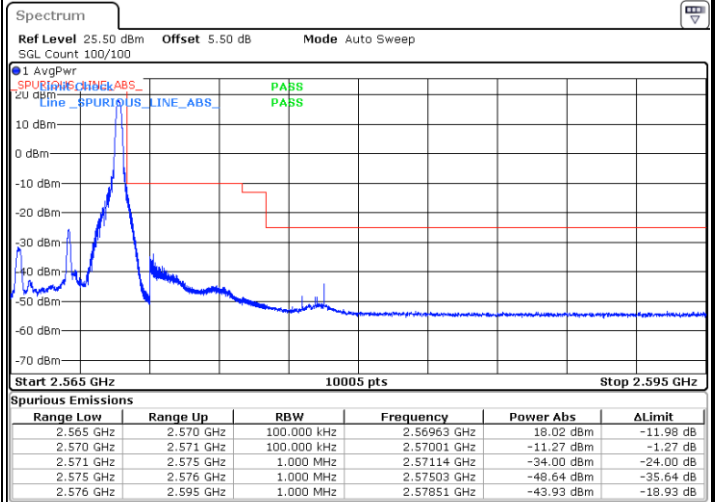
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



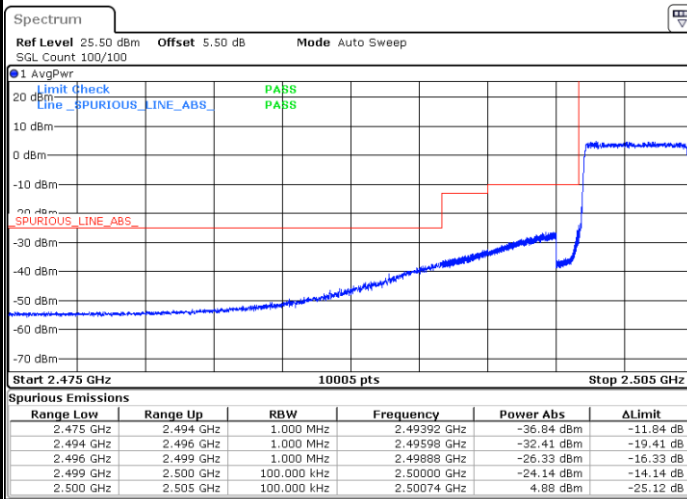
Date: 27.MAY.2020 02:40:38

Highest Band Edge / 1 RB



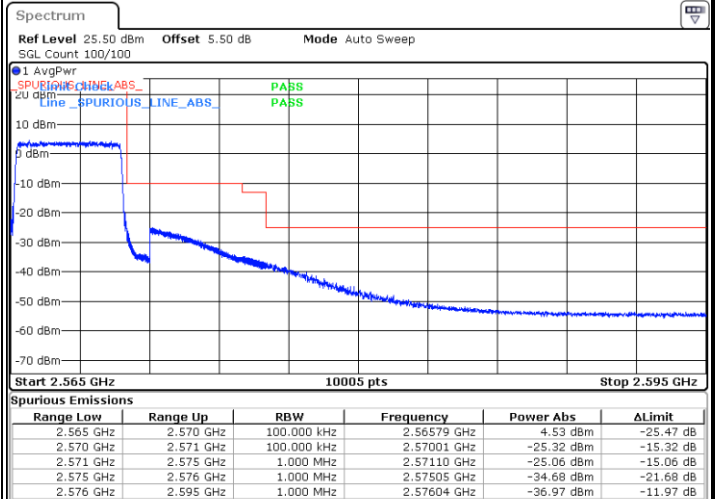
Date: 27.MAY.2020 02:42:54

Lowest Band Edge / Full RB



Date: 27.MAY.2020 02:41:46

Highest Band Edge / Full RB



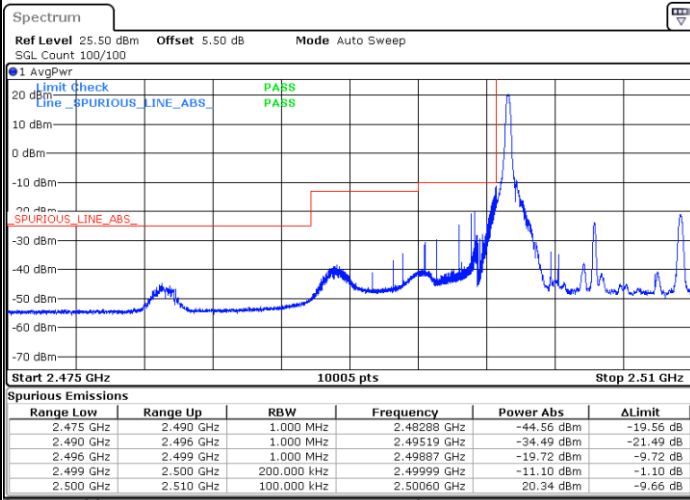
Date: 27.MAY.2020 02:44:02



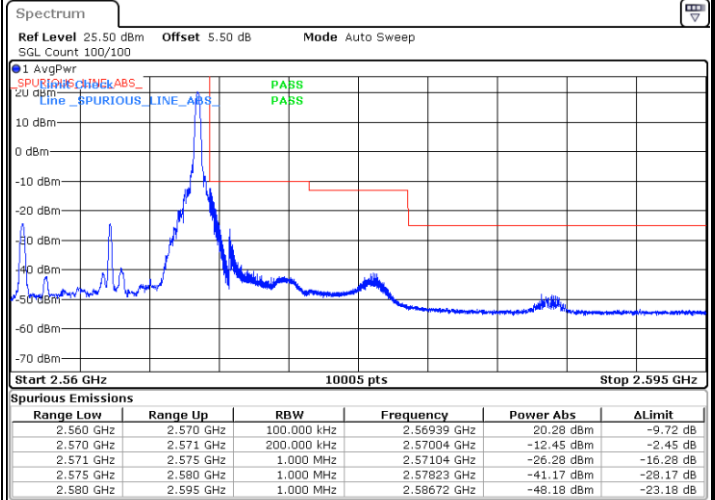
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



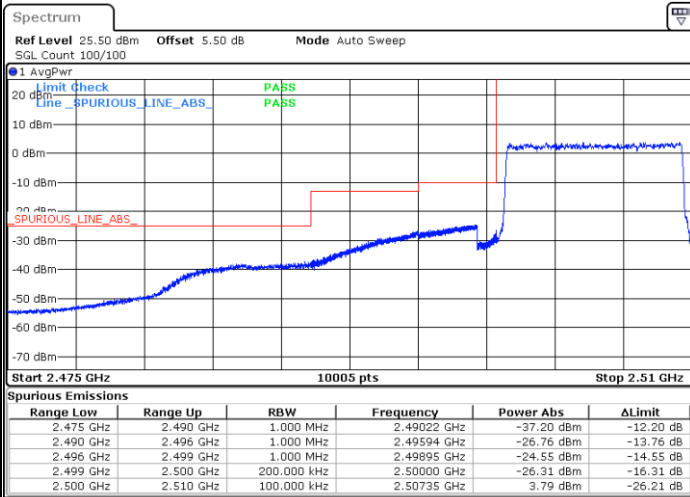
Date: 27.MAY.2020 01:12:57



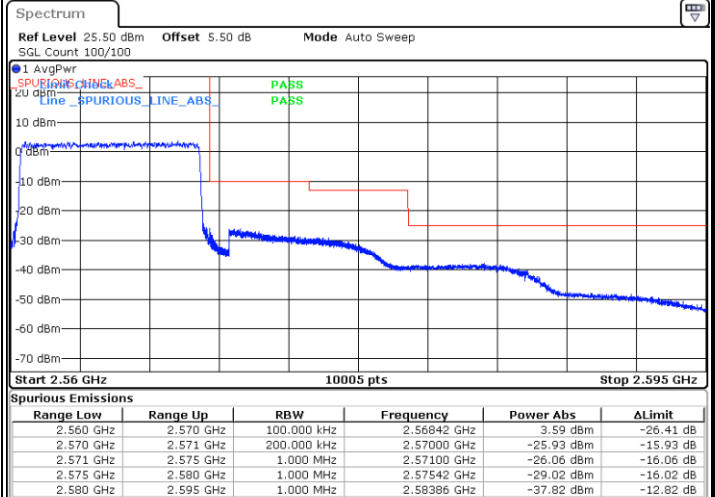
Date: 27.MAY.2020 01:20:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.MAY.2020 01:16:21

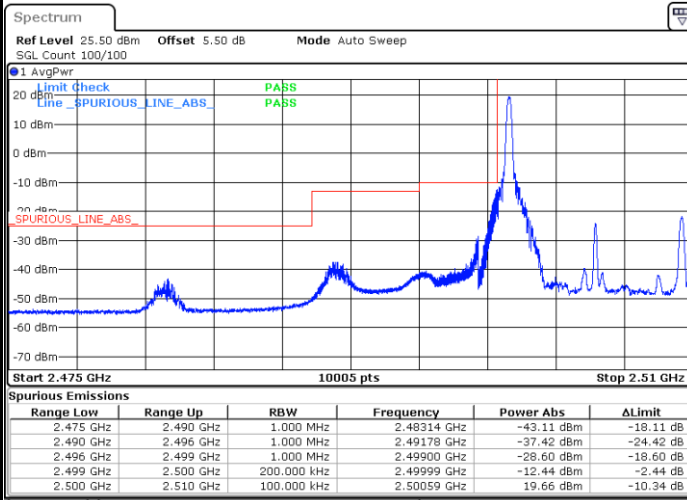


Date: 27.MAY.2020 01:17:29



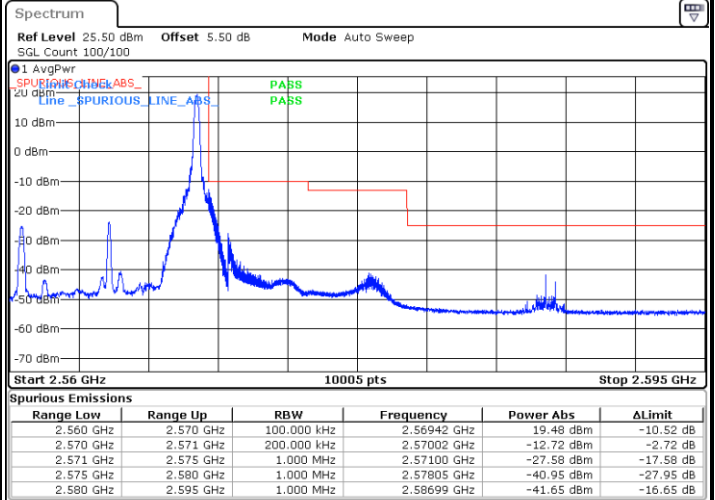
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



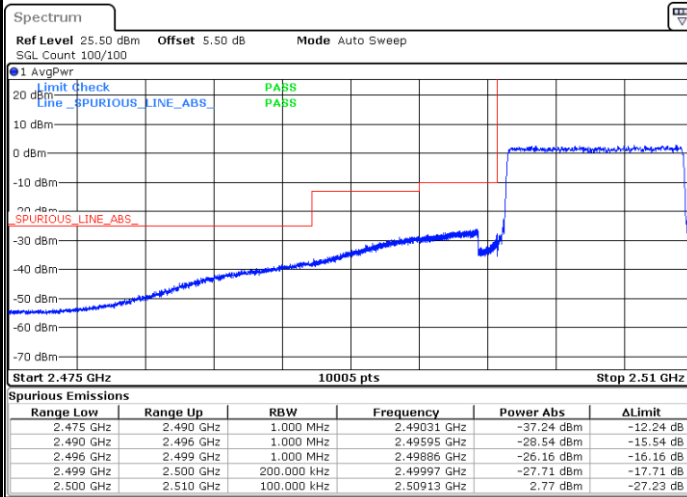
Date: 27.MAY.2020 01:14:05

Highest Band Edge / 1 RB



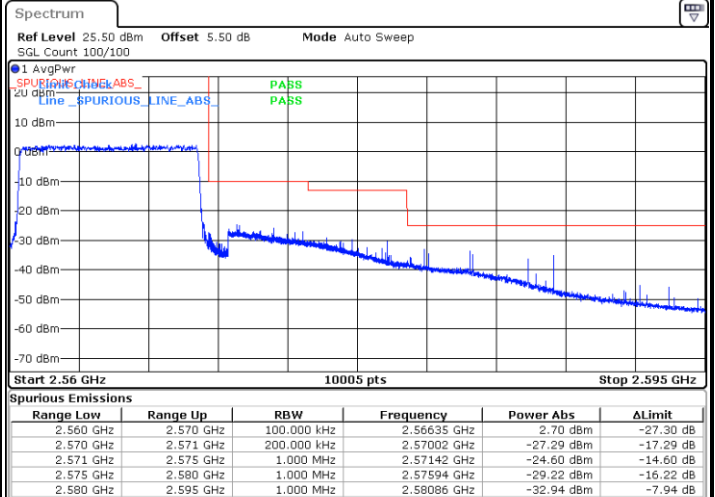
Date: 27.MAY.2020 01:19:45

Lowest Band Edge / Full RB



Date: 27.MAY.2020 01:15:13

Highest Band Edge / Full RB

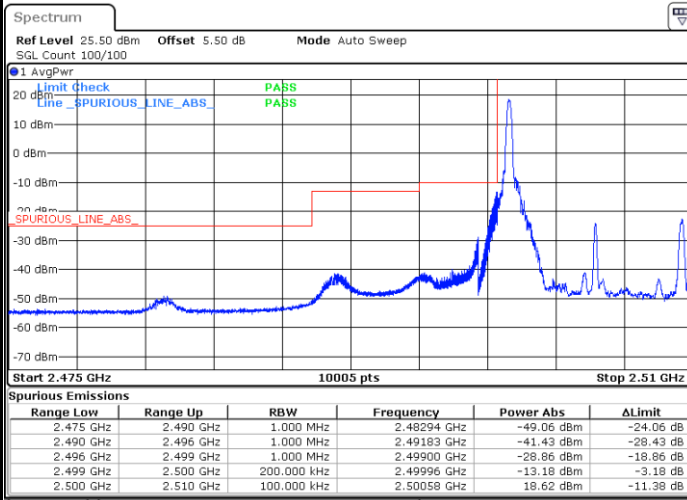


Date: 27.MAY.2020 01:18:37



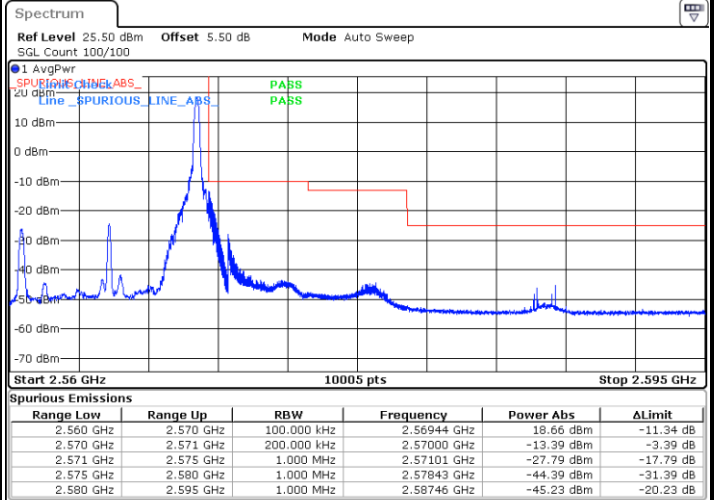
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



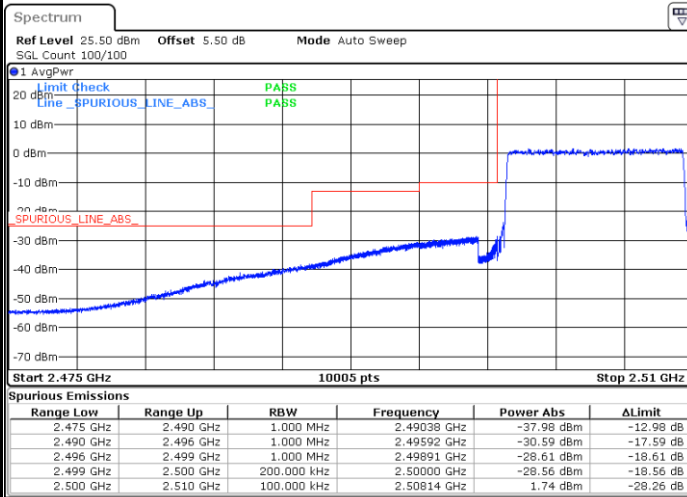
Date: 27.MAY.2020 02:48:51

Highest Band Edge / 1 RB



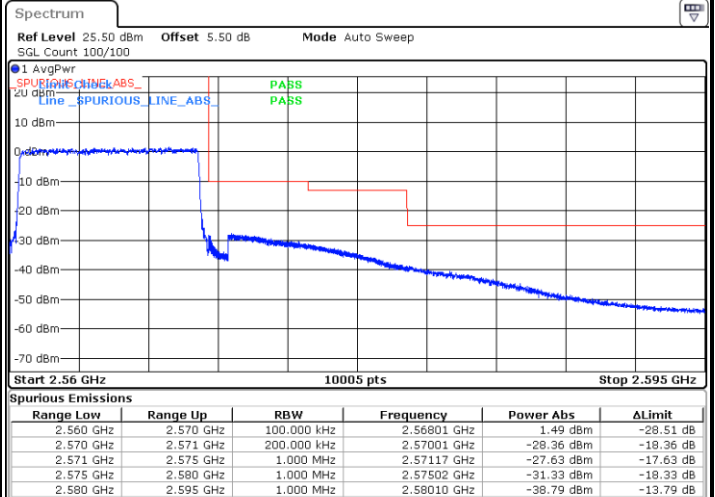
Date: 27.MAY.2020 02:51:07

Lowest Band Edge / Full RB



Date: 27.MAY.2020 02:49:59

Highest Band Edge / Full RB

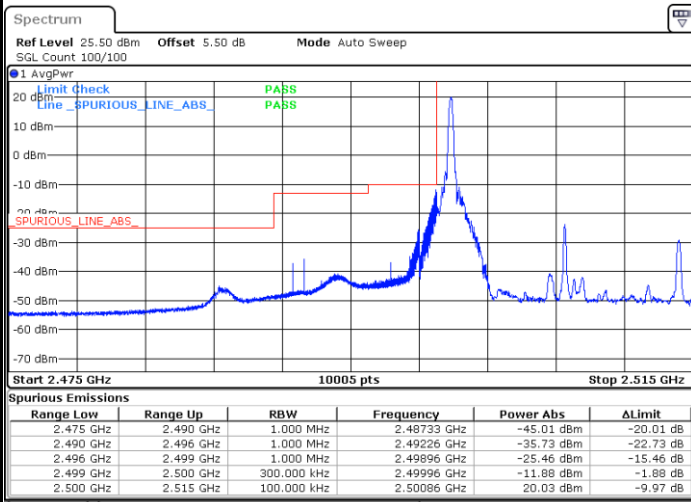


Date: 27.MAY.2020 02:52:15



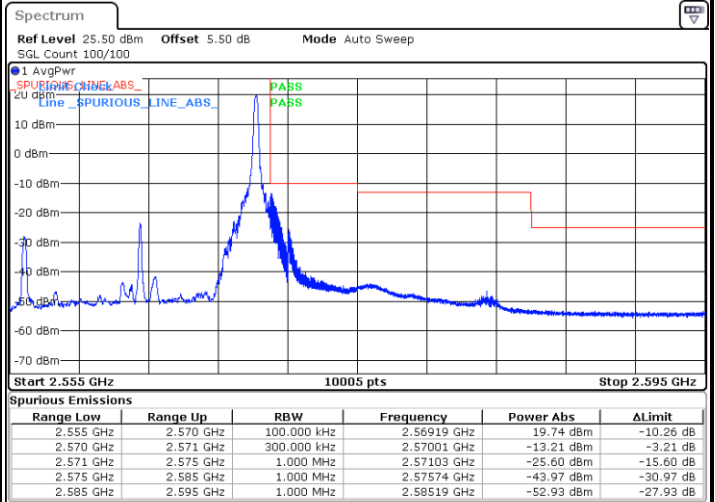
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



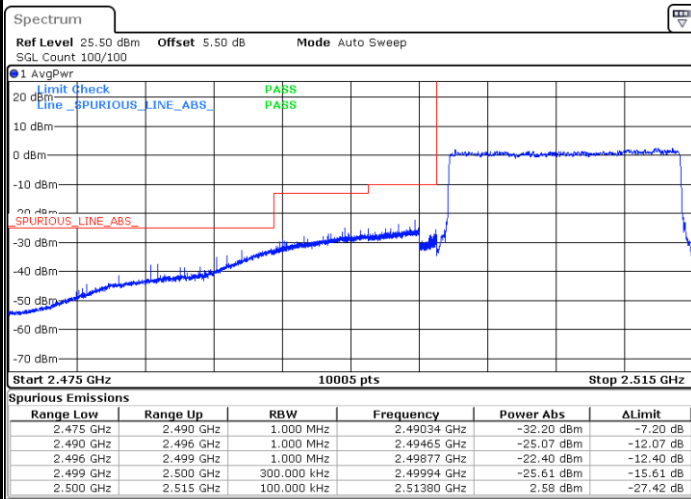
Date: 27.MAY.2020 01:29:24

Highest Band Edge / 1 RB



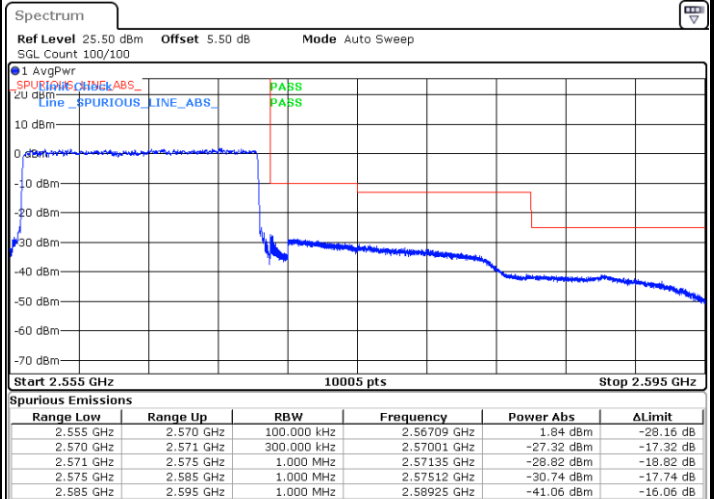
Date: 27.MAY.2020 01:37:21

Lowest Band Edge / Full RB



Date: 27.MAY.2020 01:32:49

Highest Band Edge / Full RB

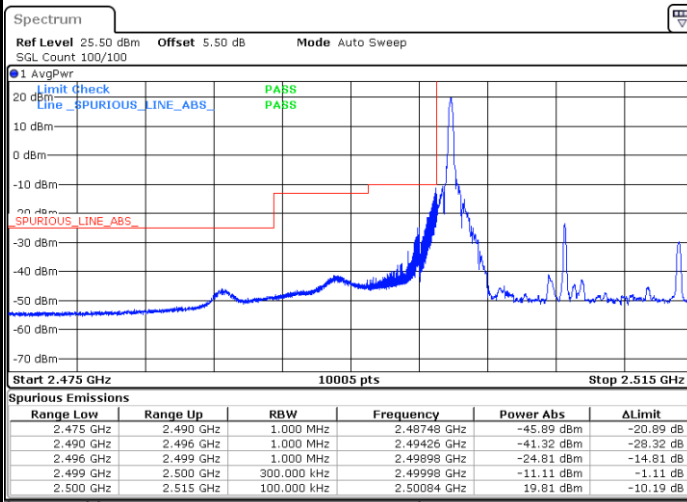


Date: 27.MAY.2020 01:33:57



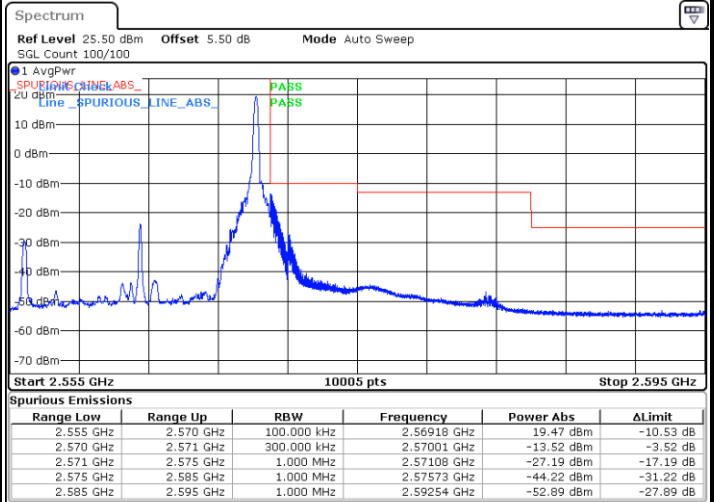
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



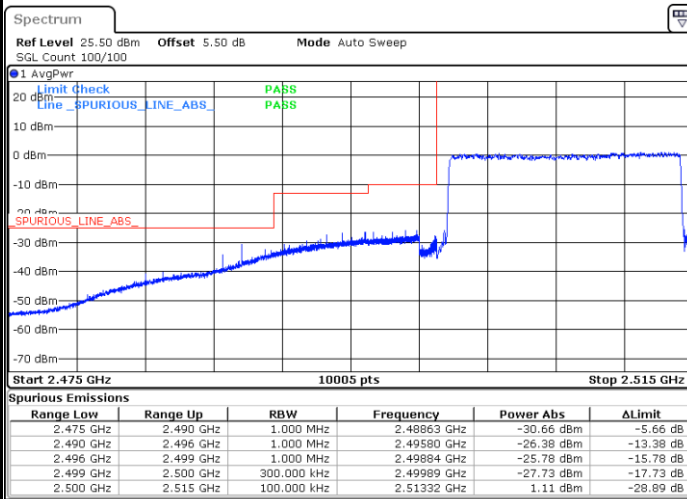
Date: 27.MAY.2020 01:30:33

Highest Band Edge / 1 RB



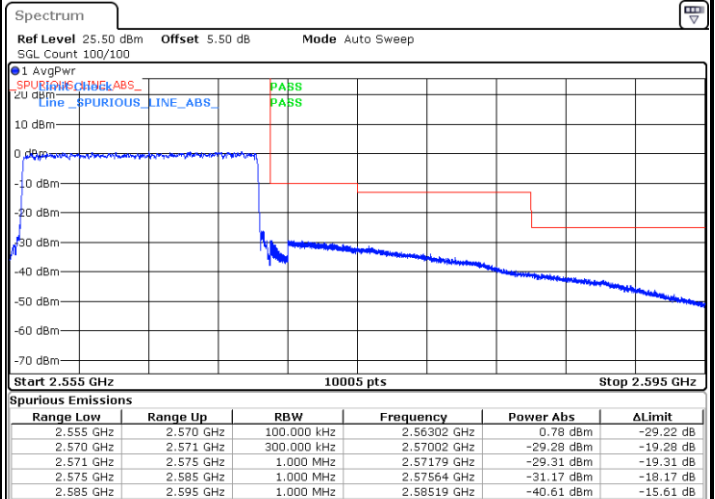
Date: 27.MAY.2020 01:36:13

Lowest Band Edge / Full RB



Date: 27.MAY.2020 01:31:41

Highest Band Edge / Full RB

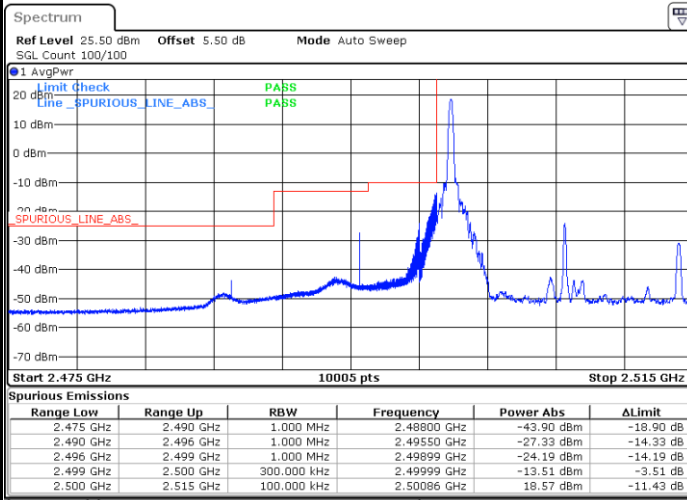


Date: 27.MAY.2020 01:35:05



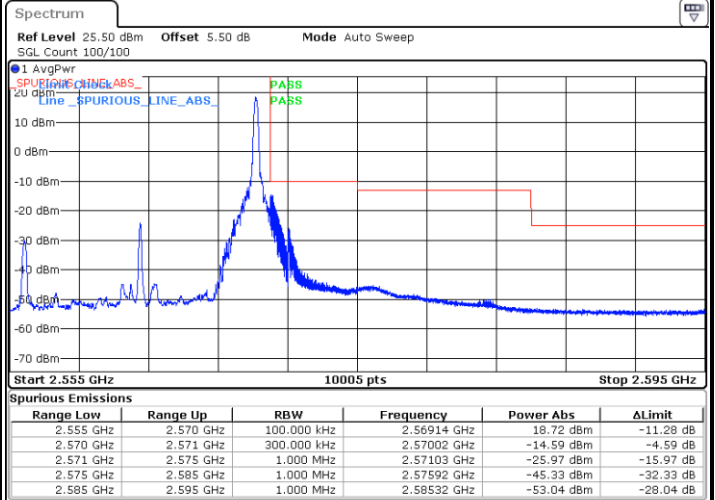
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



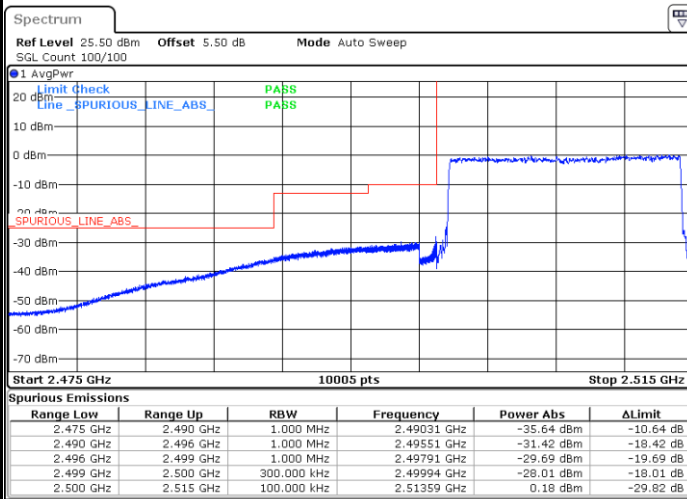
Date: 27.MAY.2020 02:55:31

Highest Band Edge / 1 RB



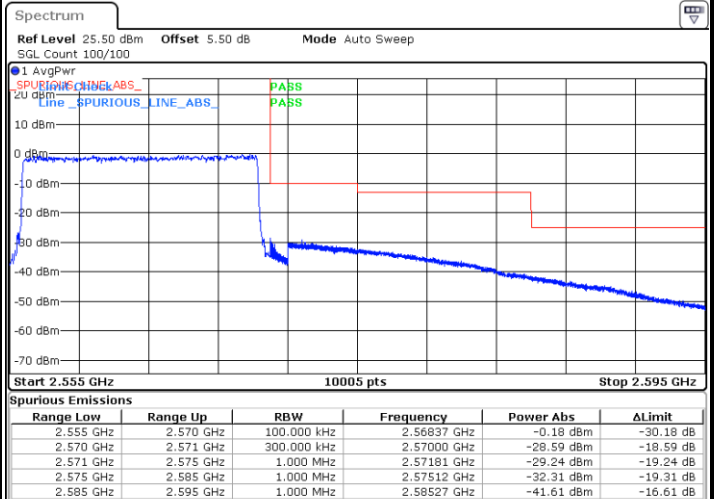
Date: 27.MAY.2020 02:57:48

Lowest Band Edge / Full RB



Date: 27.MAY.2020 02:54:23

Highest Band Edge / Full RB

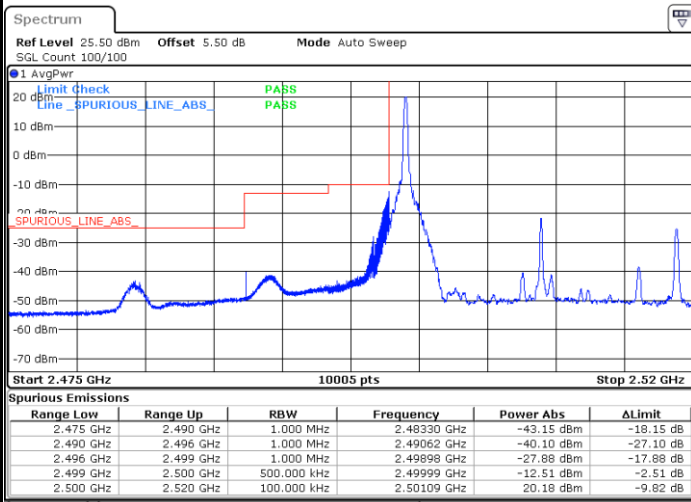


Date: 27.MAY.2020 02:56:40



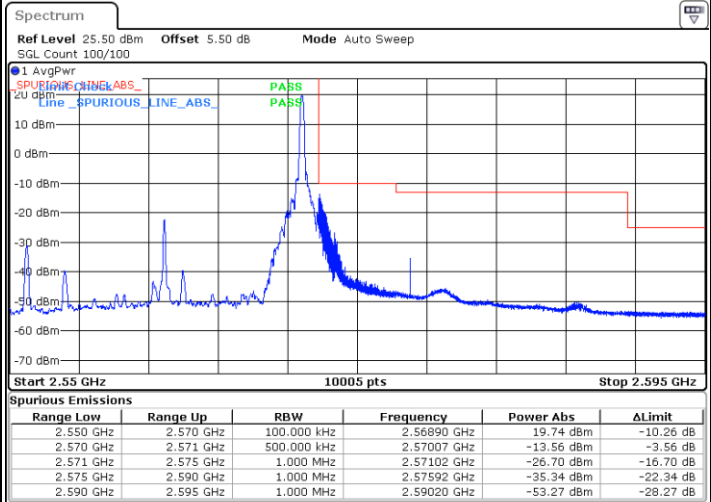
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



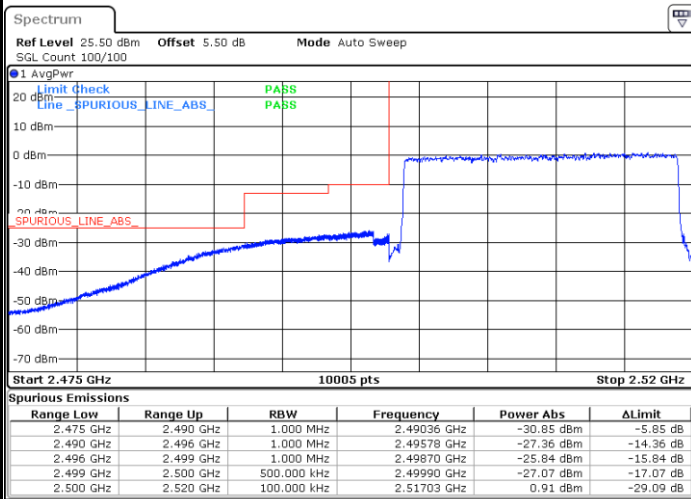
Date: 27.MAY.2020 02:22:28

Highest Band Edge / 1 RB



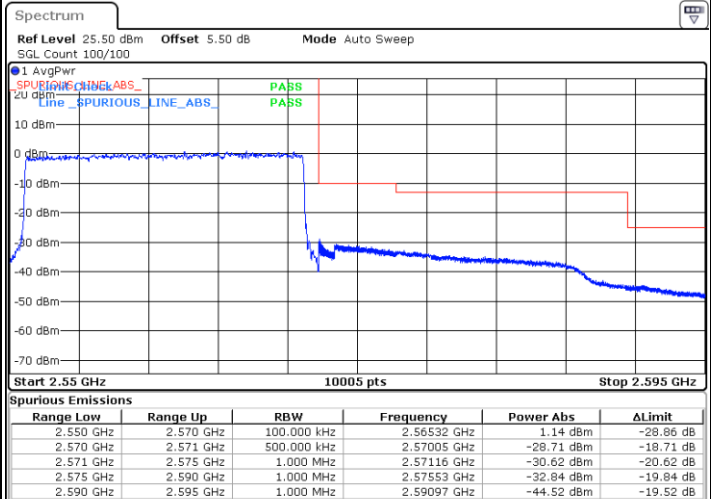
Date: 27.MAY.2020 02:30:25

Lowest Band Edge / Full RB



Date: 27.MAY.2020 02:25:53

Highest Band Edge / Full RB

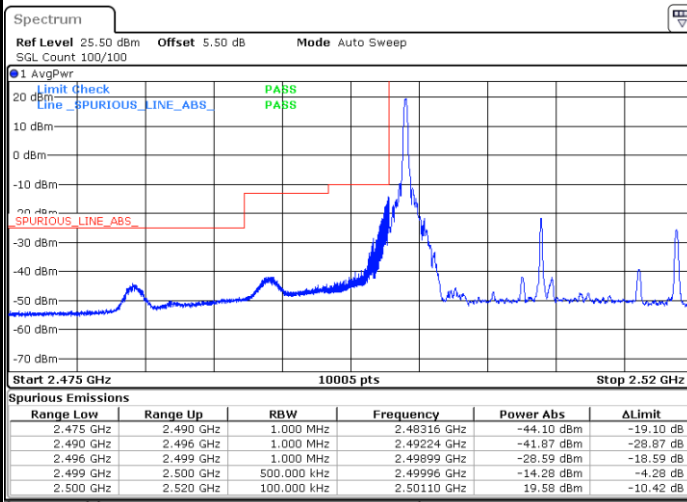


Date: 27.MAY.2020 02:27:01



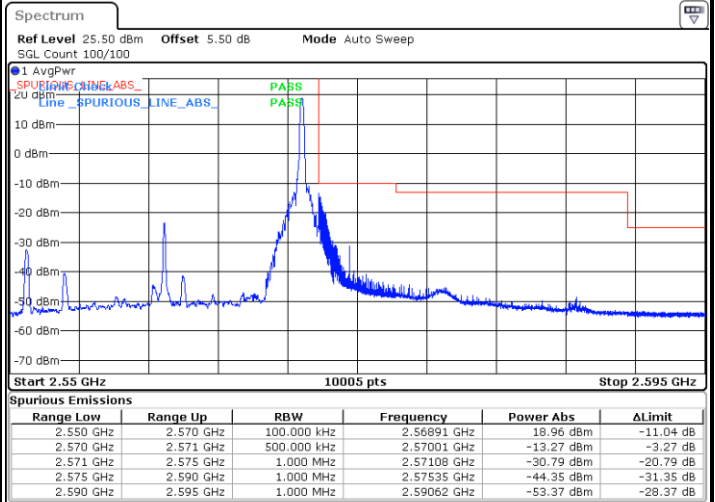
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



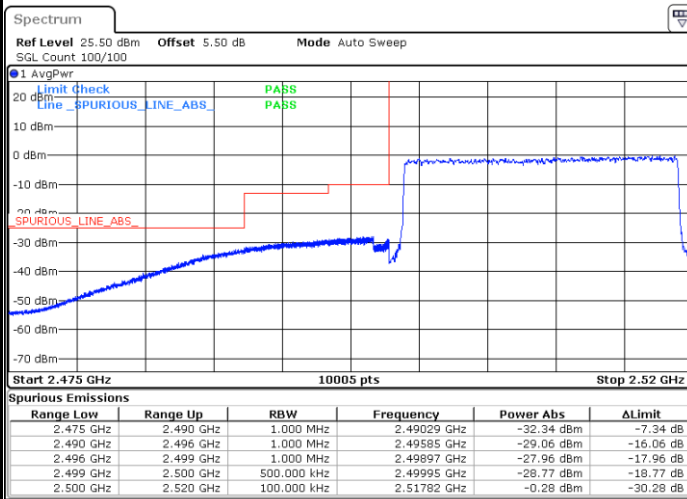
Date: 27.MAY.2020 02:23:37

Highest Band Edge / 1RB



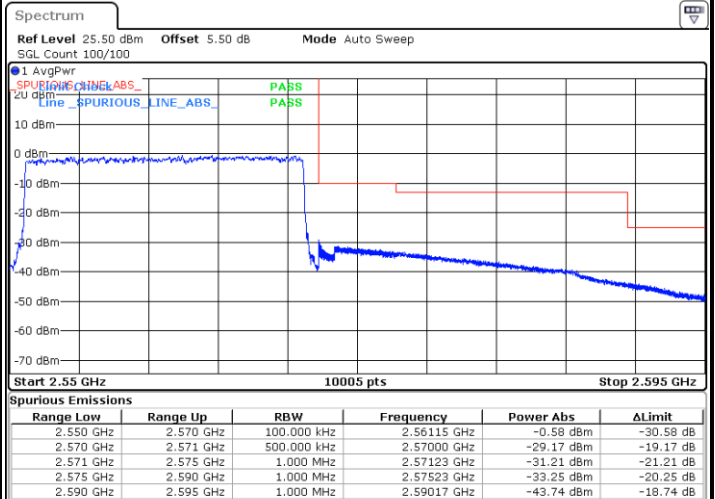
Date: 27.MAY.2020 02:29:17

Lowest Band Edge / Full RB



Date: 27.MAY.2020 02:24:45

Highest Band Edge / Full RB

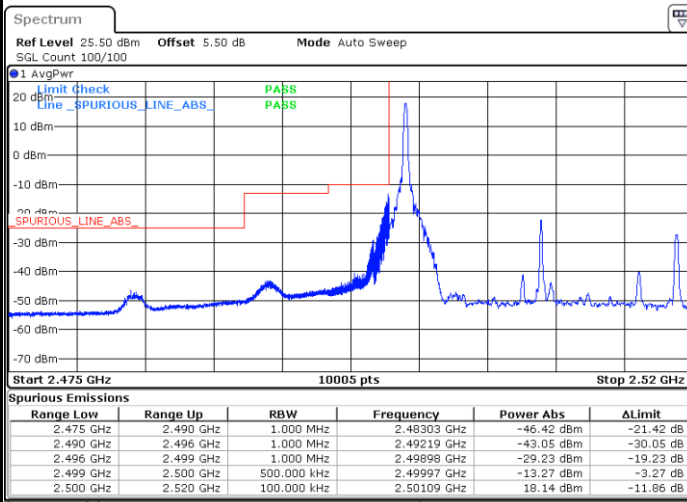


Date: 27.MAY.2020 02:28:09



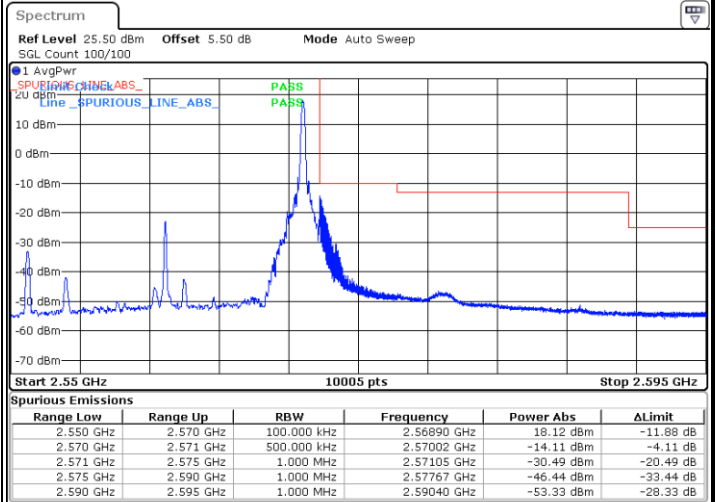
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



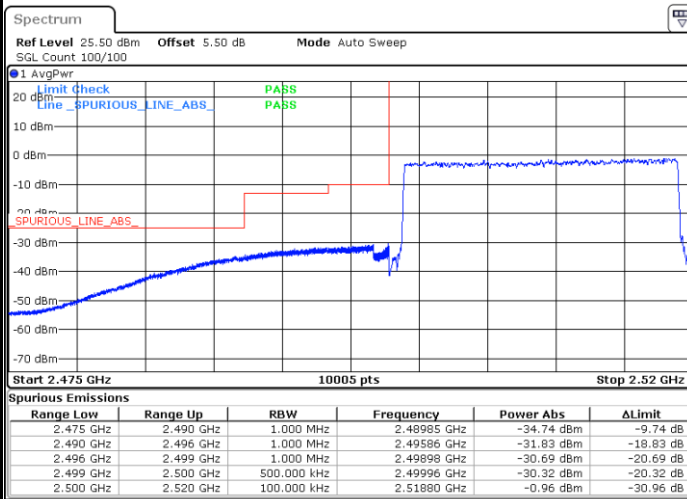
Date: 27.MAY.2020 03:03:45

Highest Band Edge / 1 RB



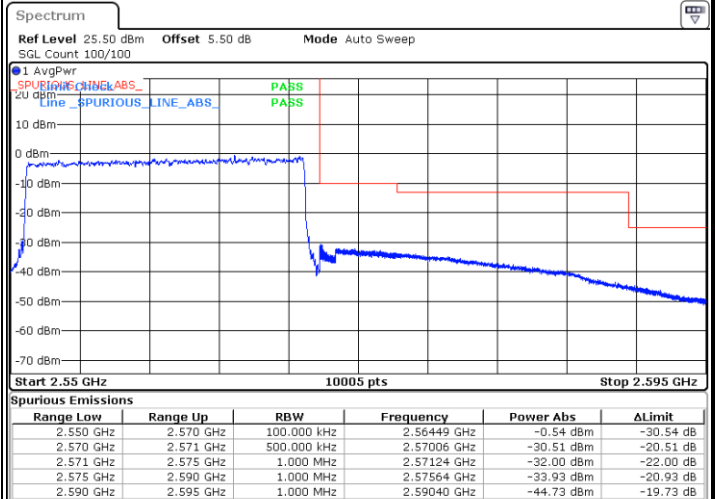
Date: 27.MAY.2020 03:06:01

Lowest Band Edge / Full RB



Date: 27.MAY.2020 03:02:37

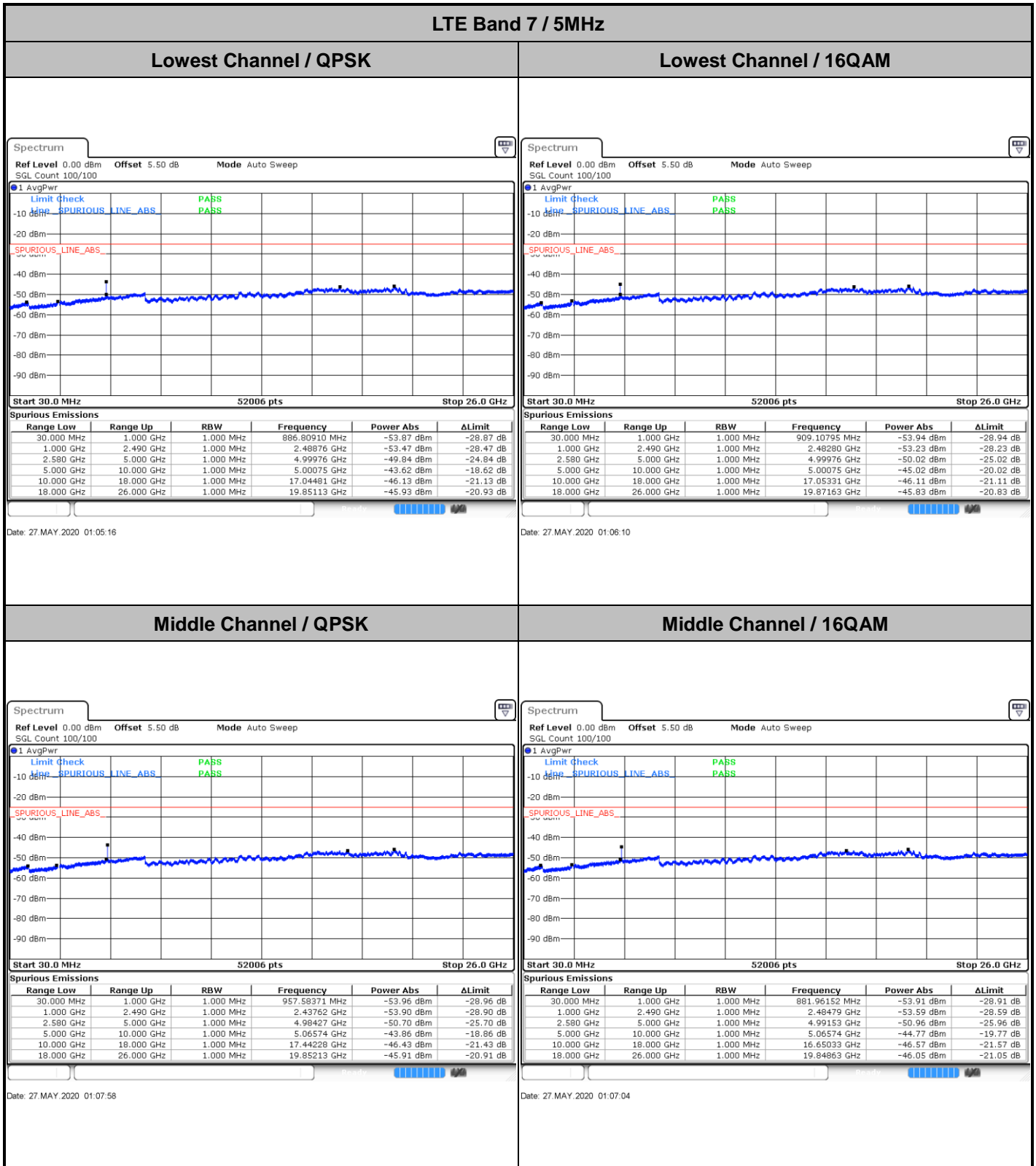
Highest Band Edge / Full RB



Date: 27.MAY.2020 03:04:53



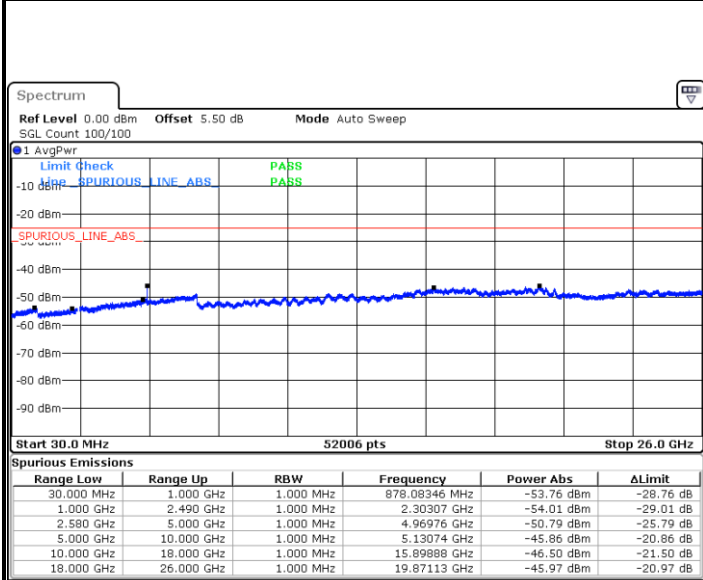
Conducted Spurious Emission





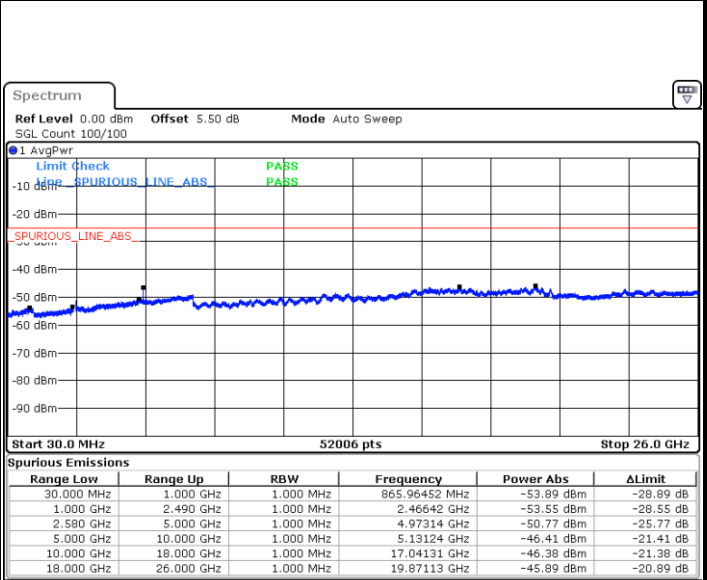
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 27.MAY.2020 01:08:52

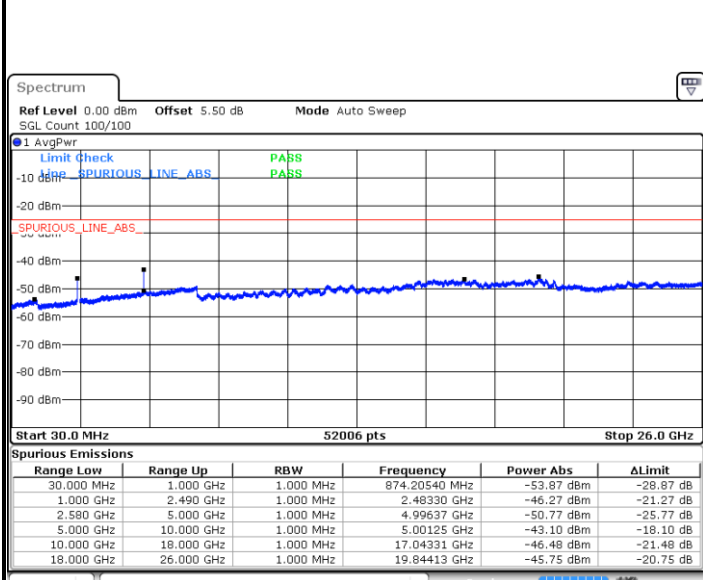
Highest Channel / 16QAM



Date: 27.MAY.2020 01:09:46

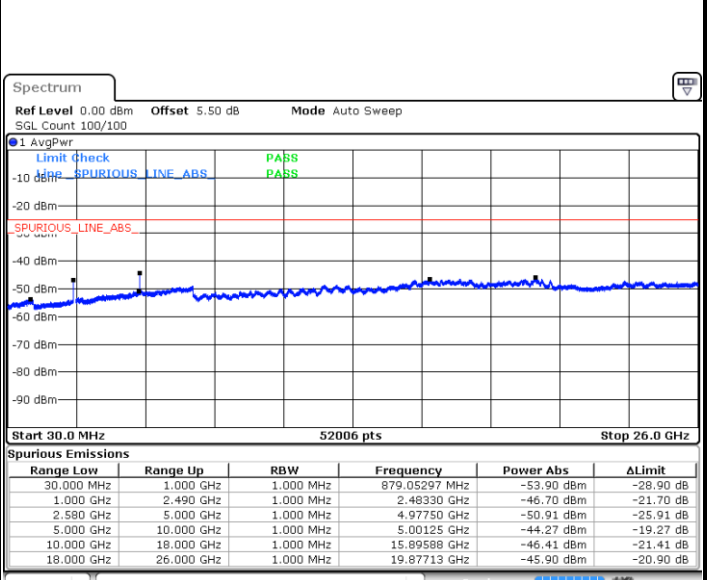
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 27.MAY.2020 01:21:46

Lowest Channel / 16QAM



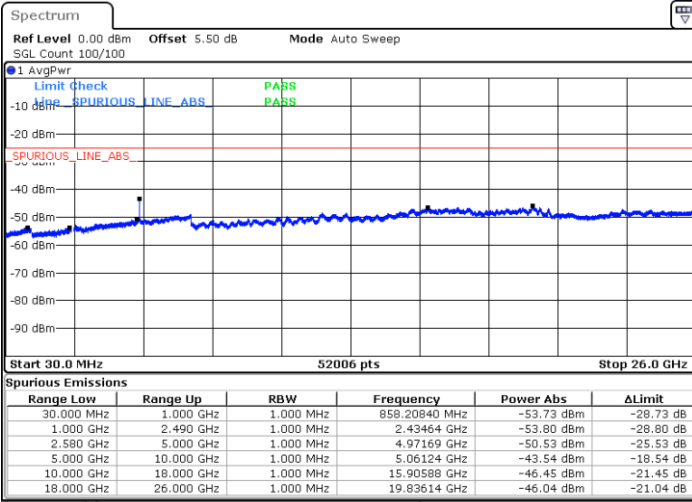
Date: 27.MAY.2020 01:22:40



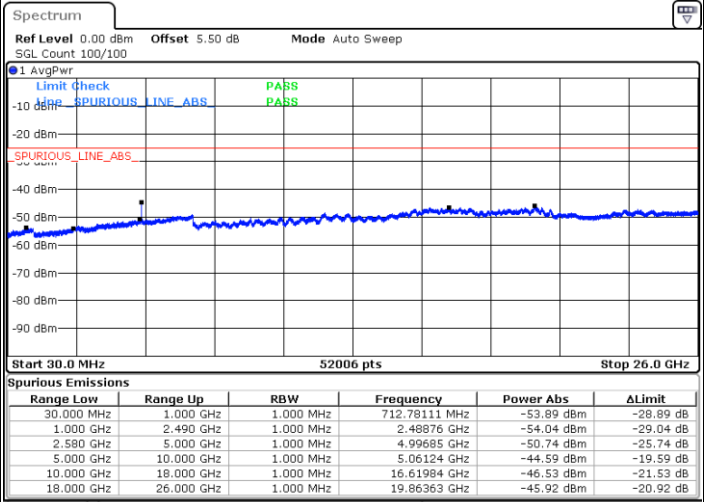
LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



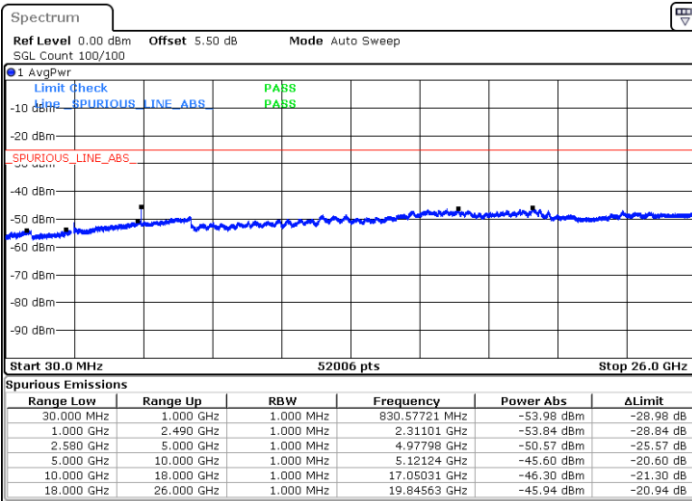
Date: 27.MAY.2020 01:24:28



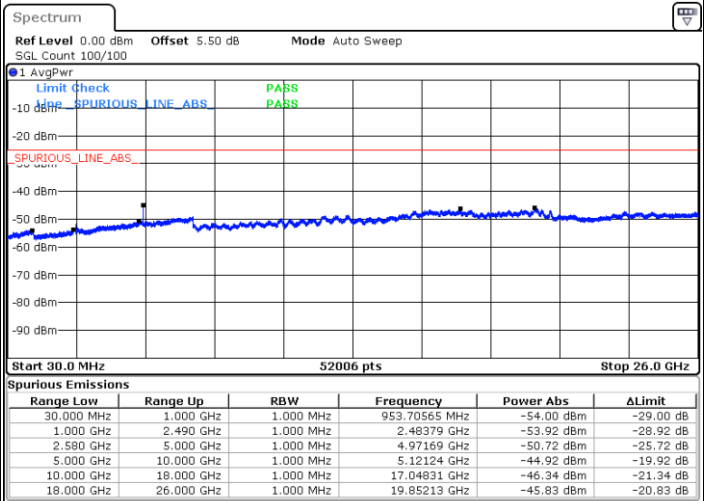
Date: 27.MAY.2020 01:23:34

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27.MAY.2020 01:25:22



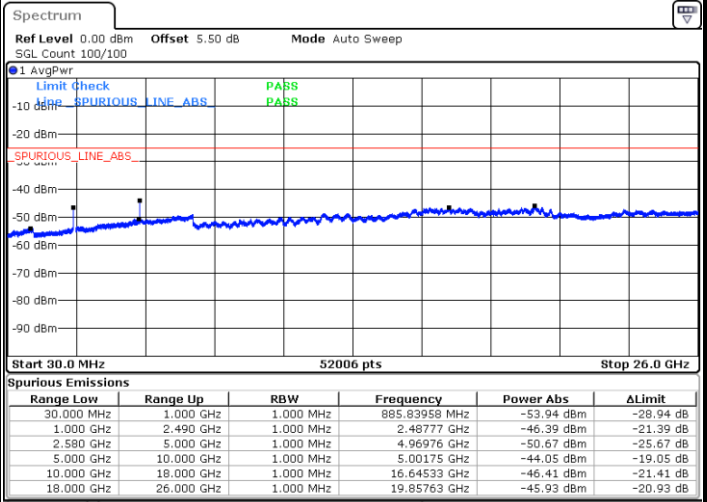
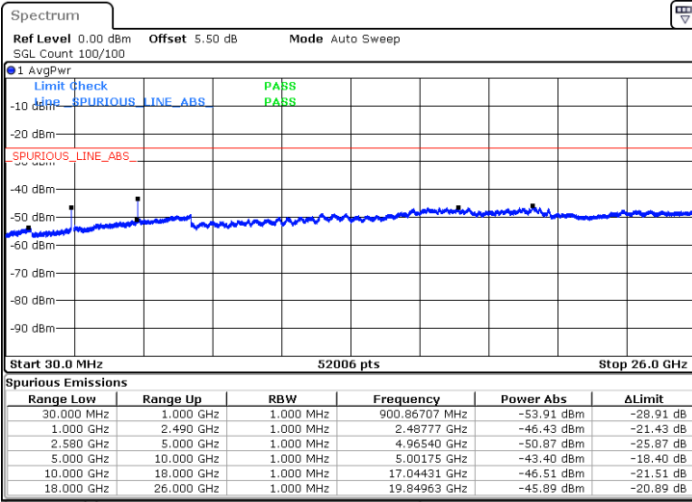
Date: 27.MAY.2020 01:26:15



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

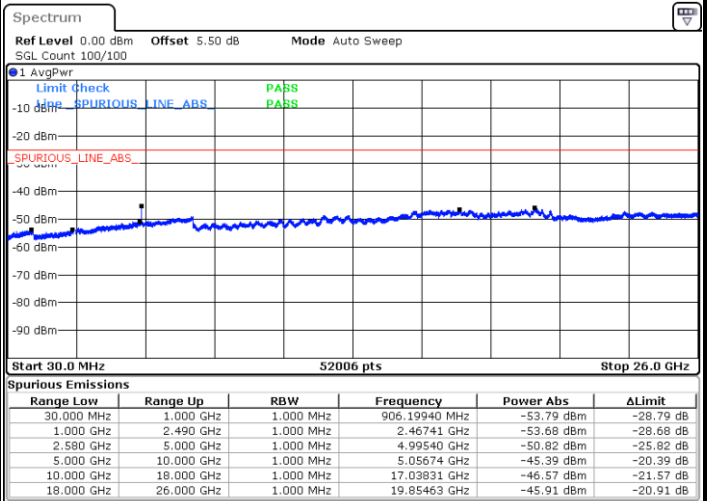
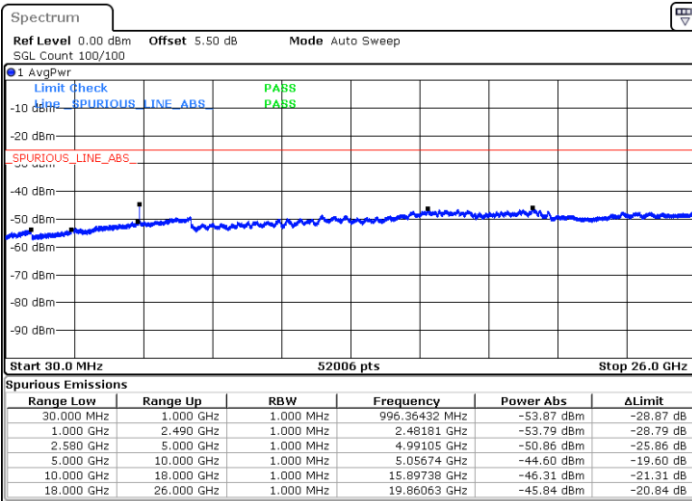


Date: 27.MAY.2020 01:38:14

Date: 27.MAY.2020 01:39:08

Middle Channel / QPSK

Middle Channel / 16QAM



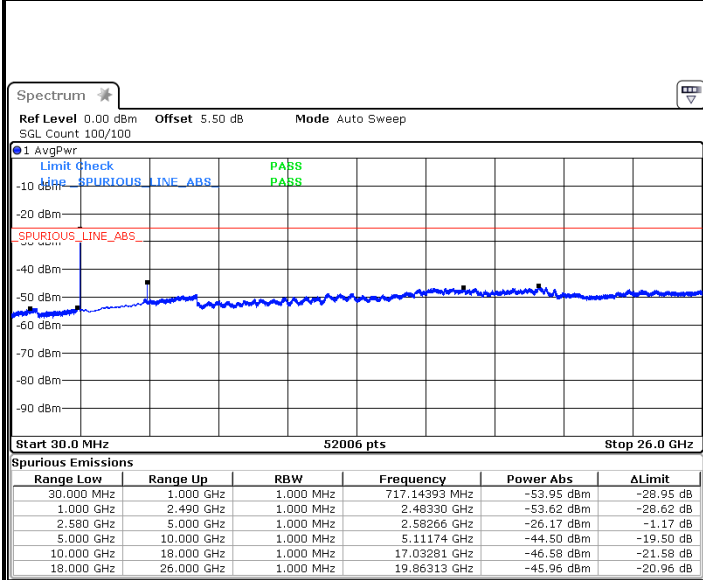
Date: 27.MAY.2020 01:40:56

Date: 27.MAY.2020 01:40:02



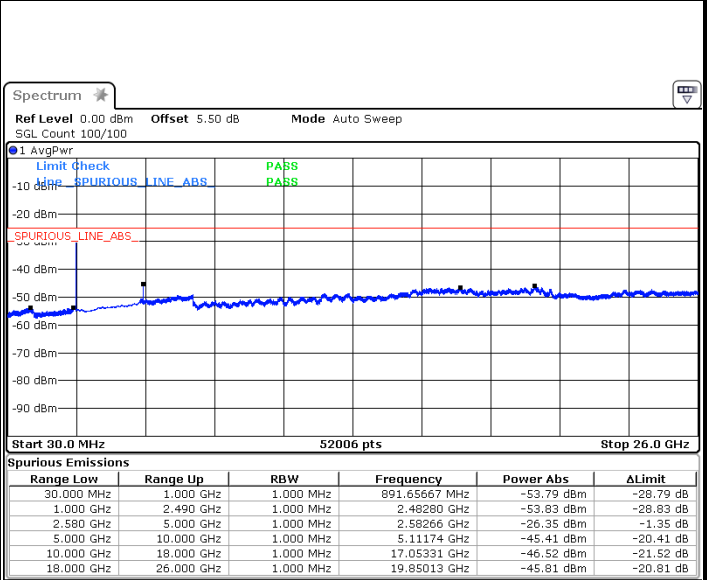
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 27.MAY.2020 02:13:06

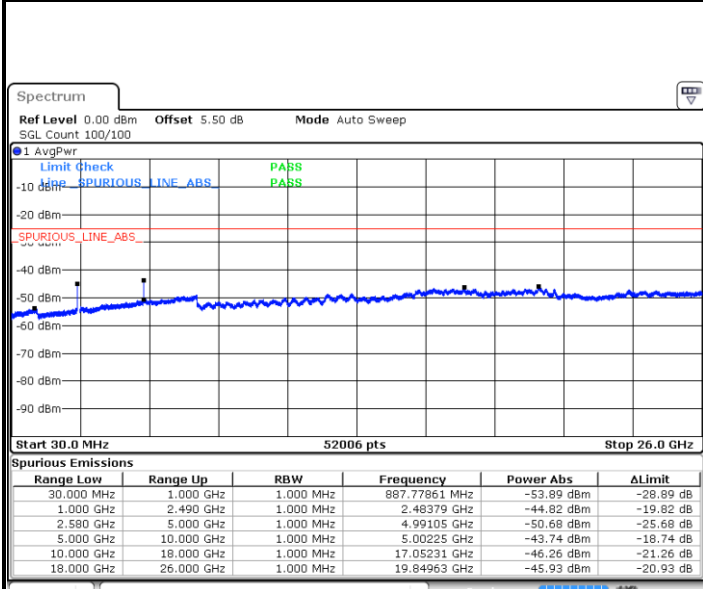
Highest Channel / 16QAM



Date: 27.MAY.2020 02:18:39

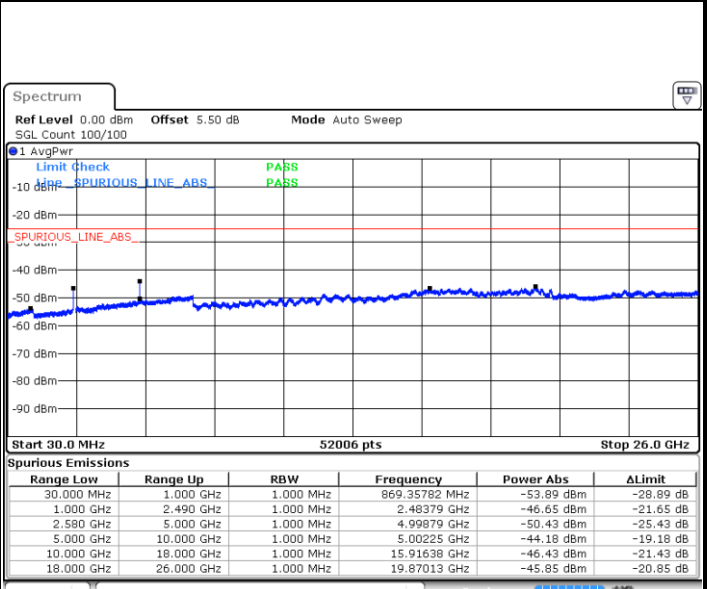
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 27.MAY.2020 02:31:18

Lowest Channel / 16QAM



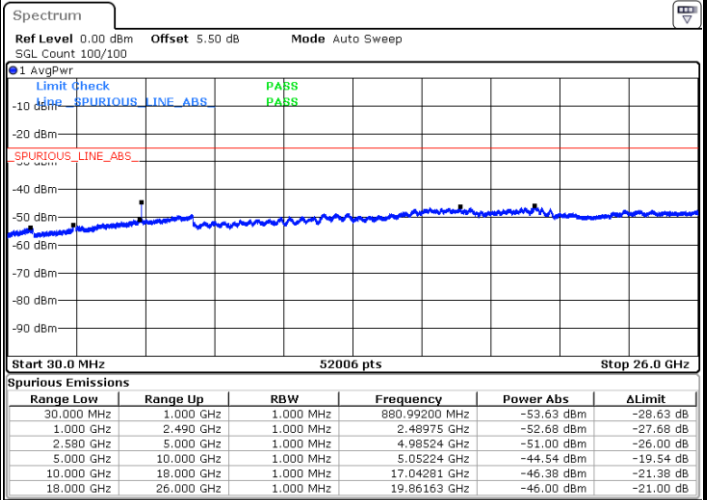
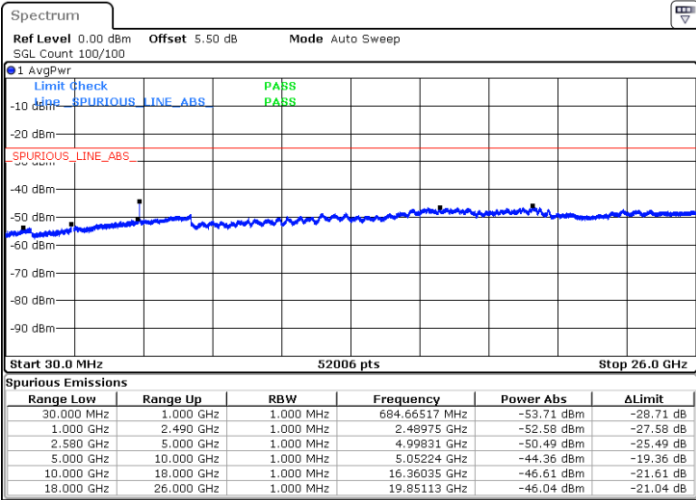
Date: 27.MAY.2020 02:32:12



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

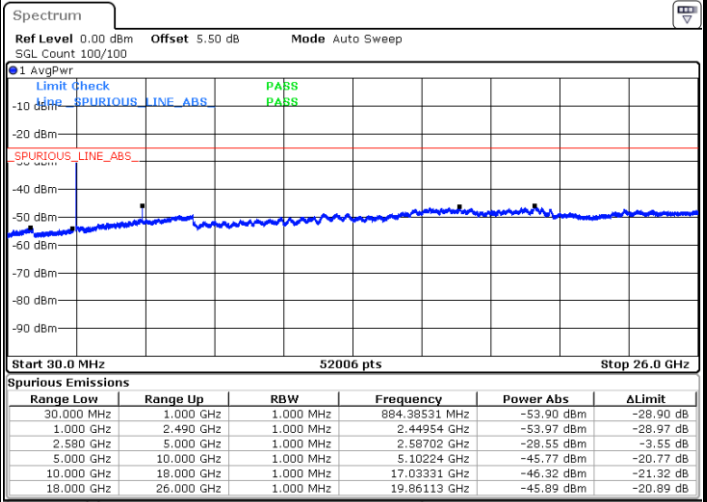
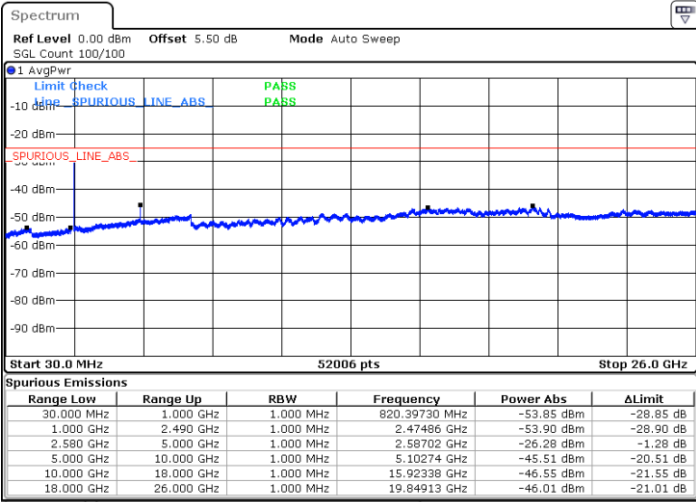


Date: 27.MAY.2020 02:33:59

Date: 27.MAY.2020 02:33:05

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27.MAY.2020 02:34:53

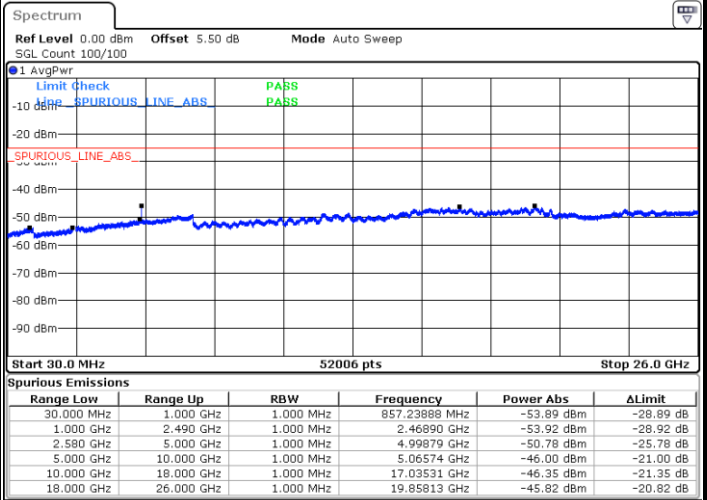
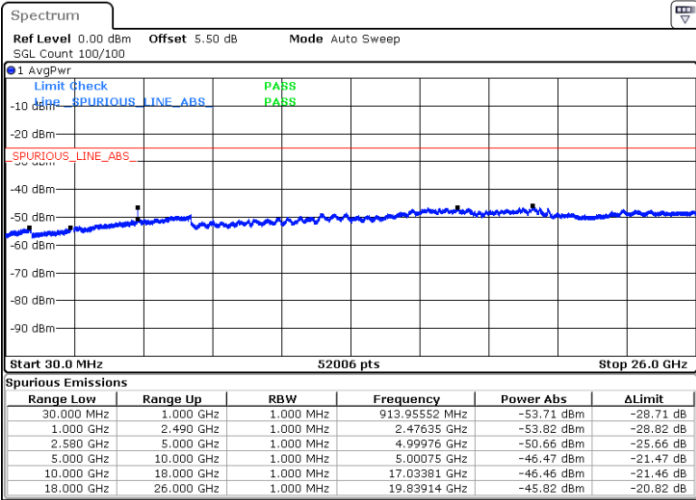
Date: 27.MAY.2020 02:35:47



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

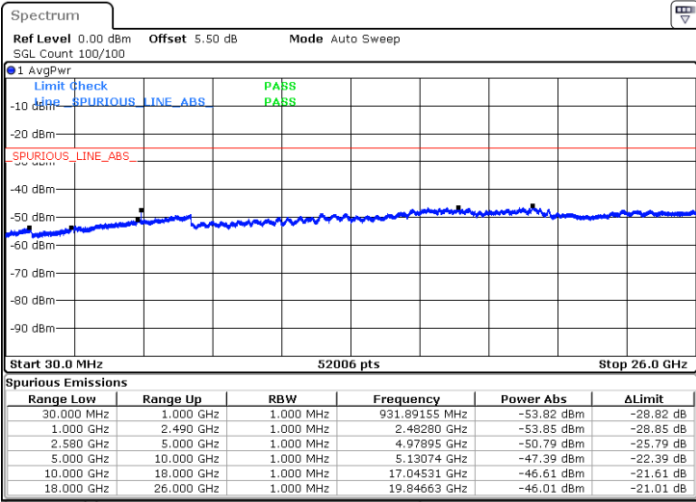
Middle Channel / 64QAM



Date: 27.MAY.2020 02:37:41

Date: 27.MAY.2020 02:38:35

Highest Channel / 64QAM

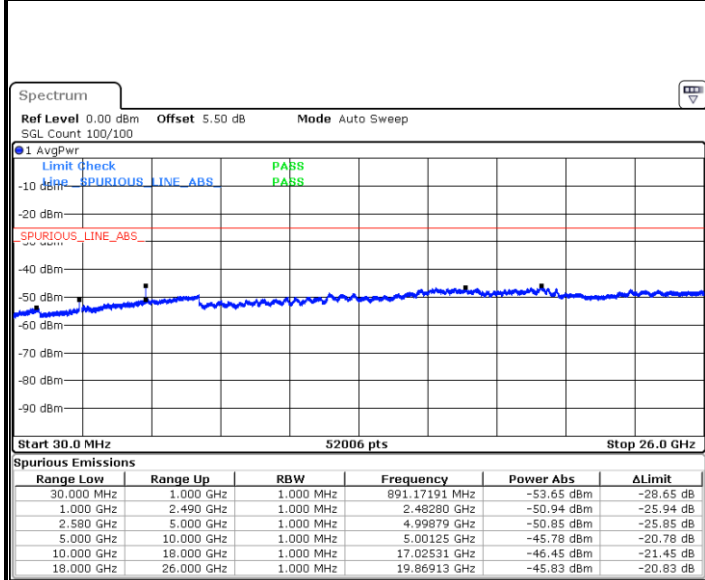


Date: 27.MAY.2020 02:39:28



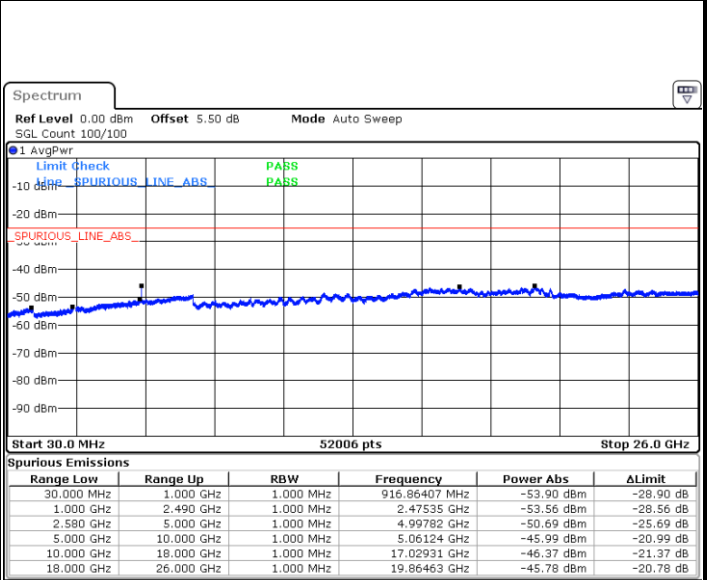
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



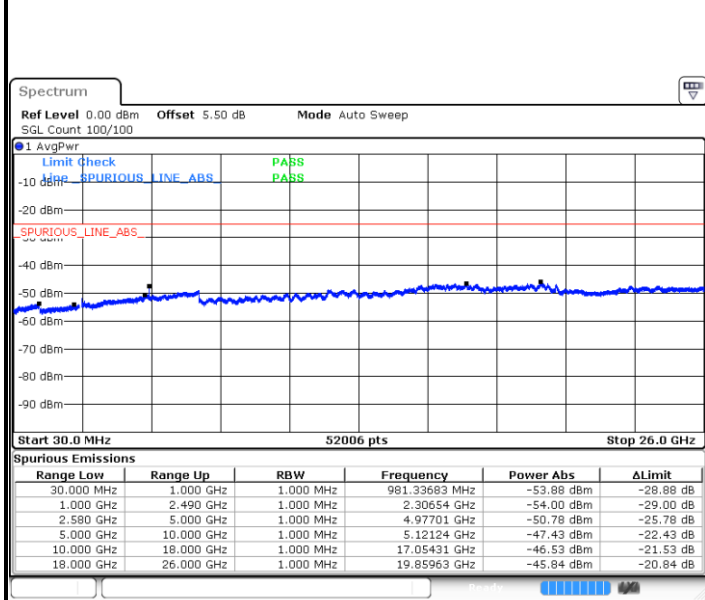
Date: 27.MAY.2020 02:45:54

Middle Channel / 64QAM



Date: 27.MAY.2020 02:46:48

Highest Channel / 64QAM



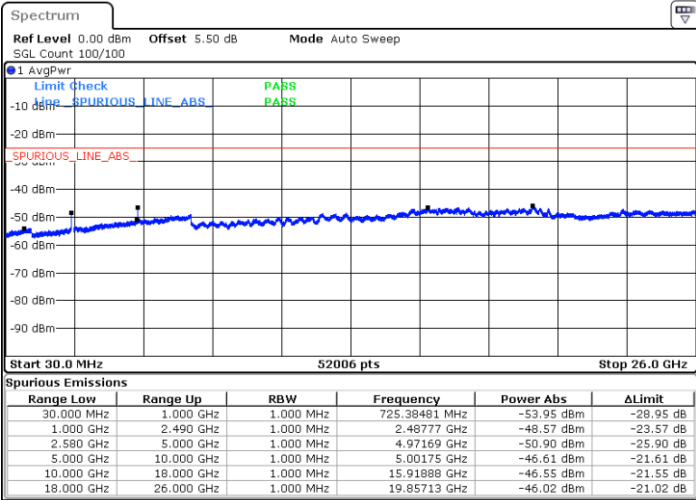
Date: 27.MAY.2020 02:47:42



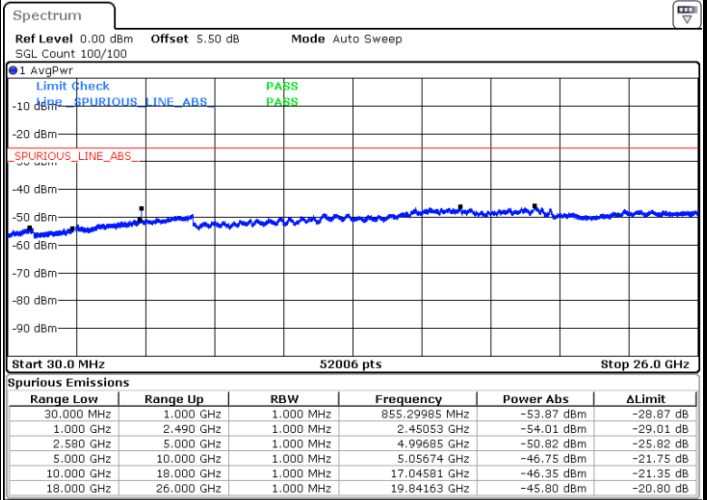
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

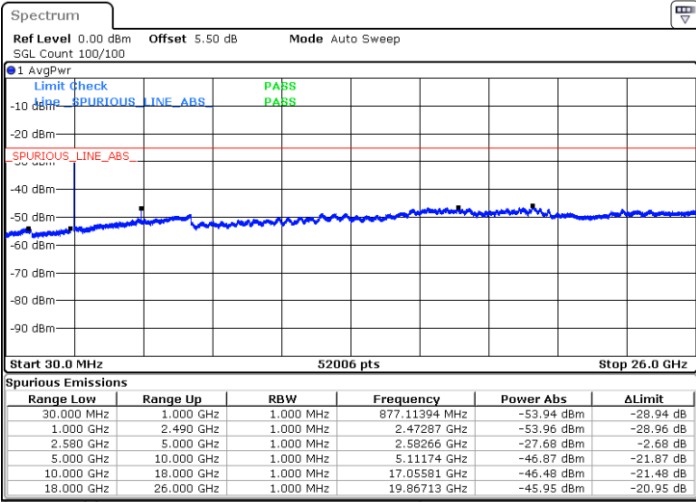


Date: 27.MAY.2020 02:58:40



Date: 27.MAY.2020 02:59:34

Highest Channel / 64QAM



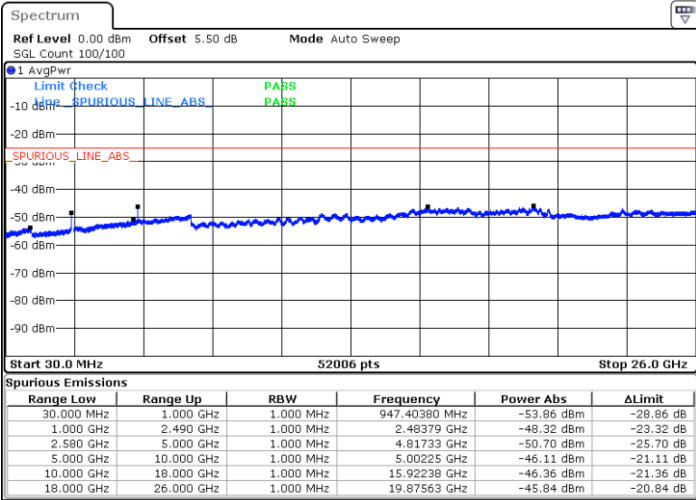
Date: 27.MAY.2020 03:00:28



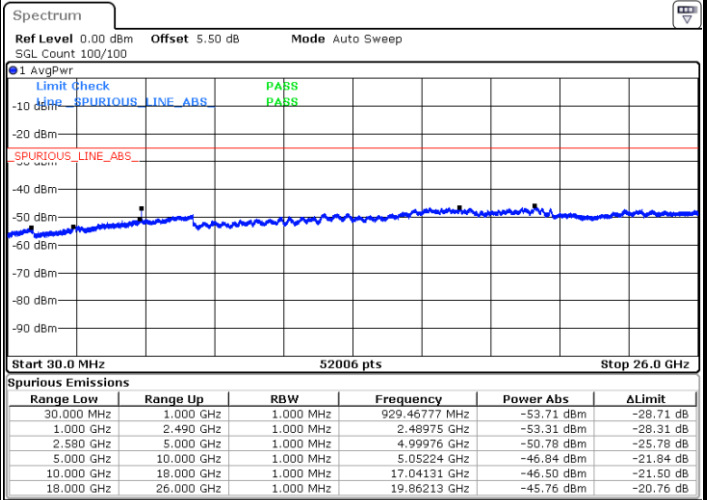
LTE Band 7 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

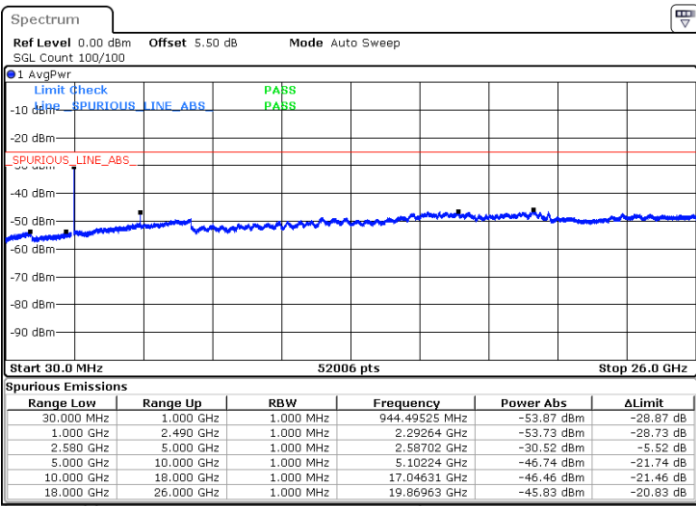


Date: 27.MAY.2020 03:06:54



Date: 27.MAY.2020 03:07:48

Highest Channel / 64QAM



Date: 27.MAY.2020 03:08:41



Frequency Stability

| Test Conditions | | LTE Band 7 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0027 | PASS |
| 40 | Normal Voltage | 0.0018 | |
| 30 | Normal Voltage | 0.0038 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0009 | |
| 0 | Normal Voltage | 0.0022 | |
| -10 | Normal Voltage | 0.0012 | |
| -20 | Normal Voltage | 0.0044 | |
| -30 | Normal Voltage | 0.0010 | |
| 20 | Maximum Voltage | 0.0036 | |
| 20 | Normal Voltage | 0.0004 | |
| 20 | Battery End Point | 0.0037 | |

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45 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 4 / 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 | 3447.18 | -60.01 | -13 | -47.01 | -70.75 | 2.604 | 13.34 | H |
| | 5169 | -44.75 | -13 | -31.75 | -55.26 | 3.011 | 13.52 | H |
| | 6900 | -49.86 | -13 | -36.86 | -60.06 | 3.271 | 13.47 | H |
| | 3447 | -60.15 | -13 | -47.15 | -70.89 | 2.604 | 13.34 | V |
| | 5172 | -46.47 | -13 | -33.47 | -56.98 | 3.011 | 13.52 | V |
| | 6900 | -49.62 | -13 | -36.62 | -59.82 | 3.271 | 13.47 | 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 | -60.61 | -25 | -35.61 | -70.82 | 3.03 | 13.24 | H |
| | 7576 | -50.19 | -25 | -25.19 | -59.64 | 3.56 | 13.01 | H |
| | 10100 | -40.80 | -25 | -15.80 | -50.32 | 3.92 | 13.44 | H |
| | 5052 | -63.90 | -25 | -38.90 | -74.11 | 3.03 | 13.24 | V |
| | 7580 | -51.55 | -25 | -26.55 | -61.00 | 3.56 | 13.01 | V |
| | 10100 | -45.52 | -25 | -20.52 | -55.04 | 3.92 | 13.44 | V |

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