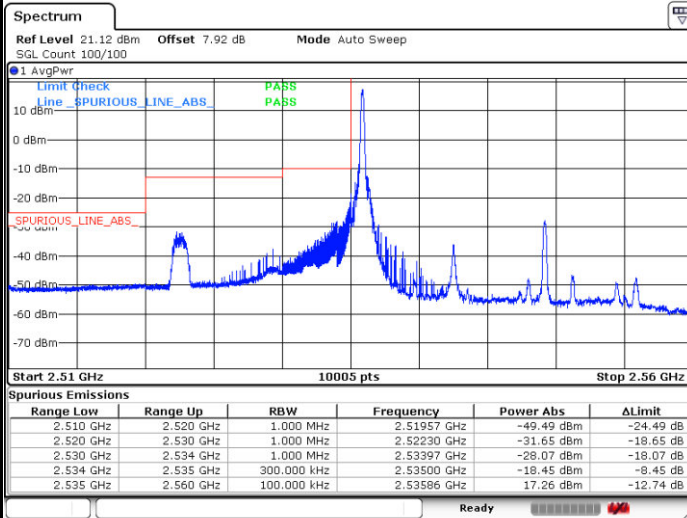




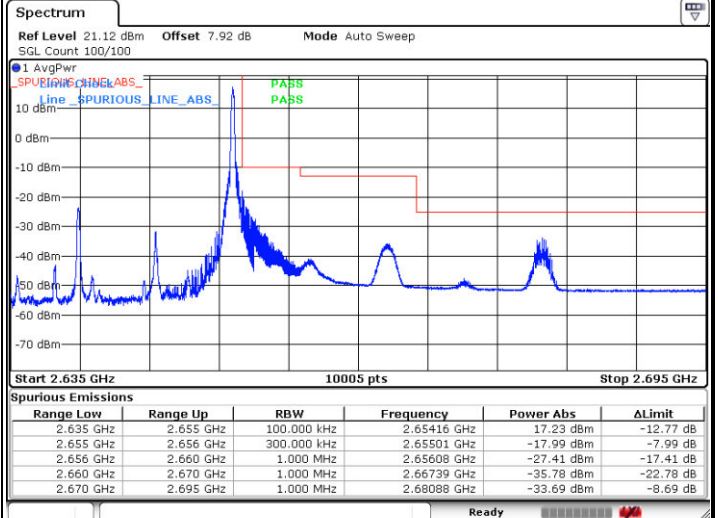
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



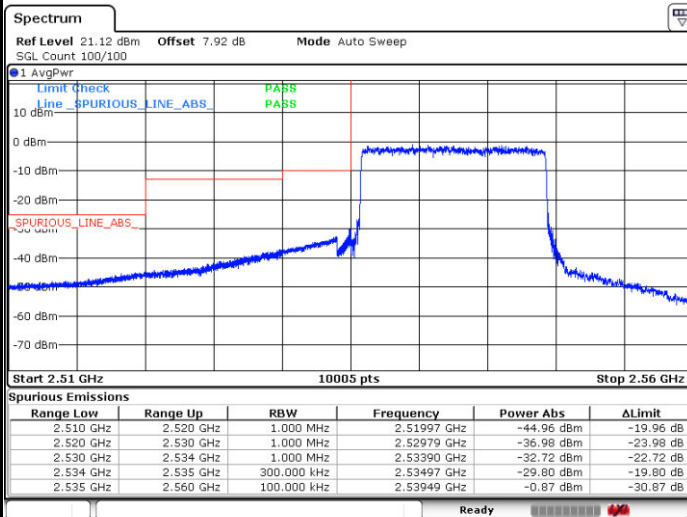
Date: 15.MAR.2019 23:14:30

Highest Band Edge / 1 RB



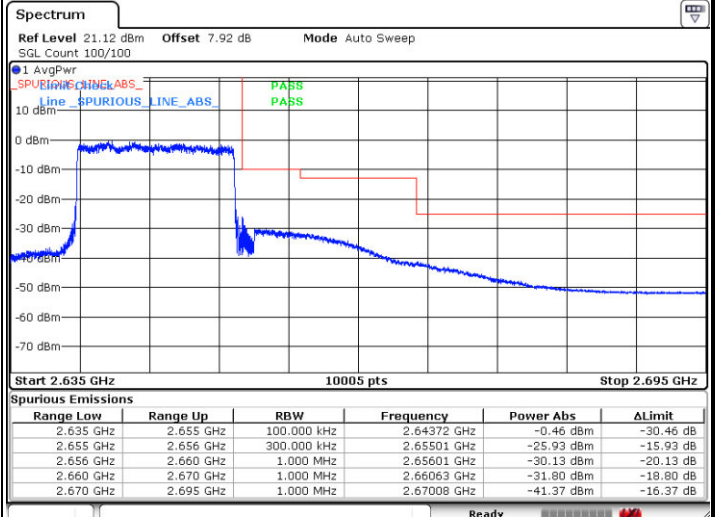
Date: 15.MAR.2019 23:00:45

Lowest Band Edge / Full RB



Date: 15.MAR.2019 23:14:07

Highest Band Edge / Full RB

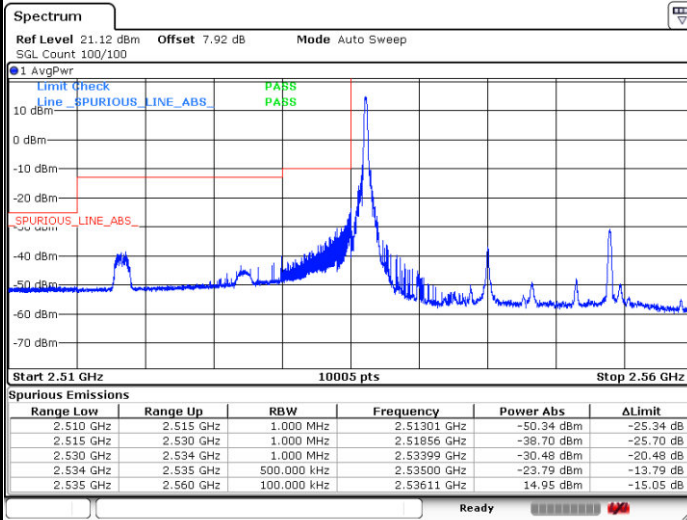


Date: 15.MAR.2019 23:00:18

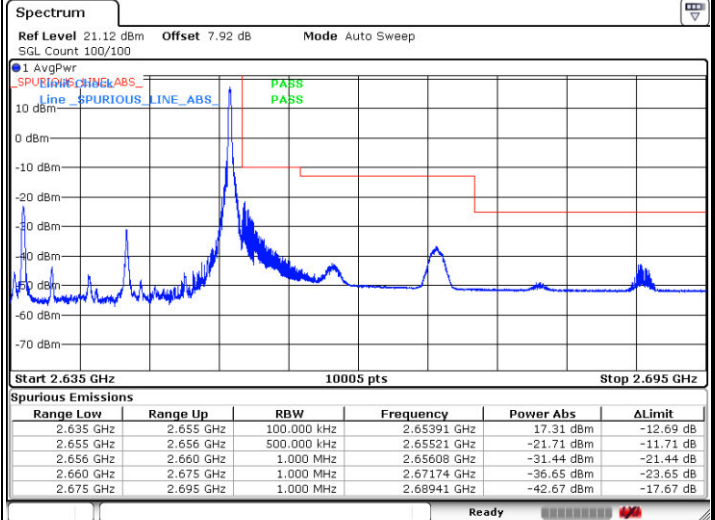


LTE Band 41 / 20MHz / 64QAM

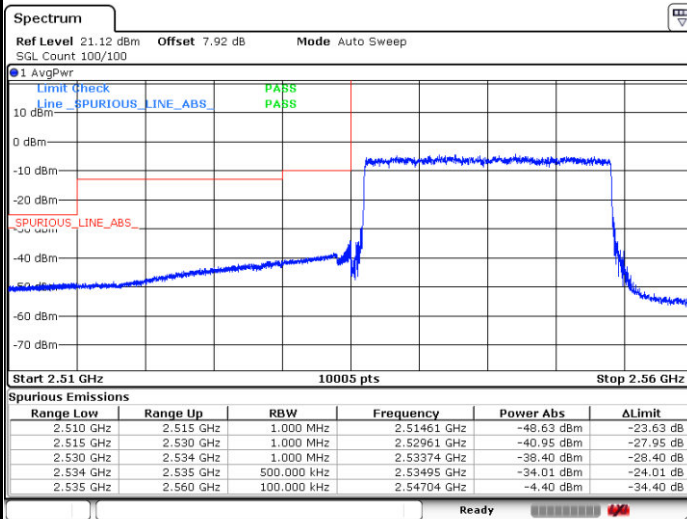
Lowest Band Edge / 1RB



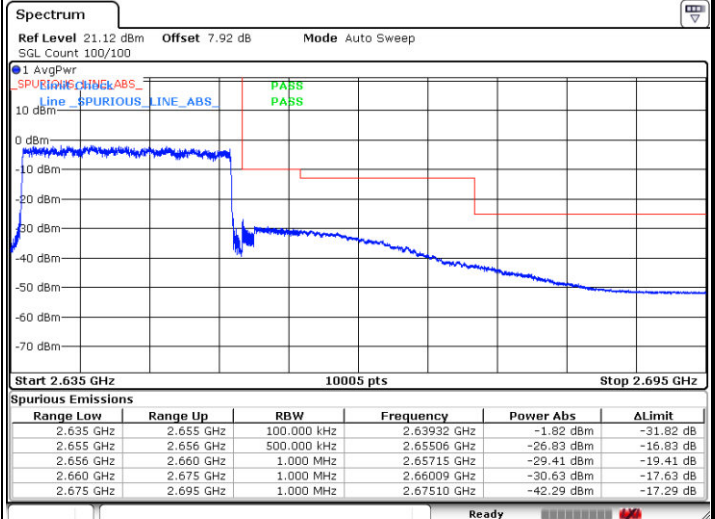
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

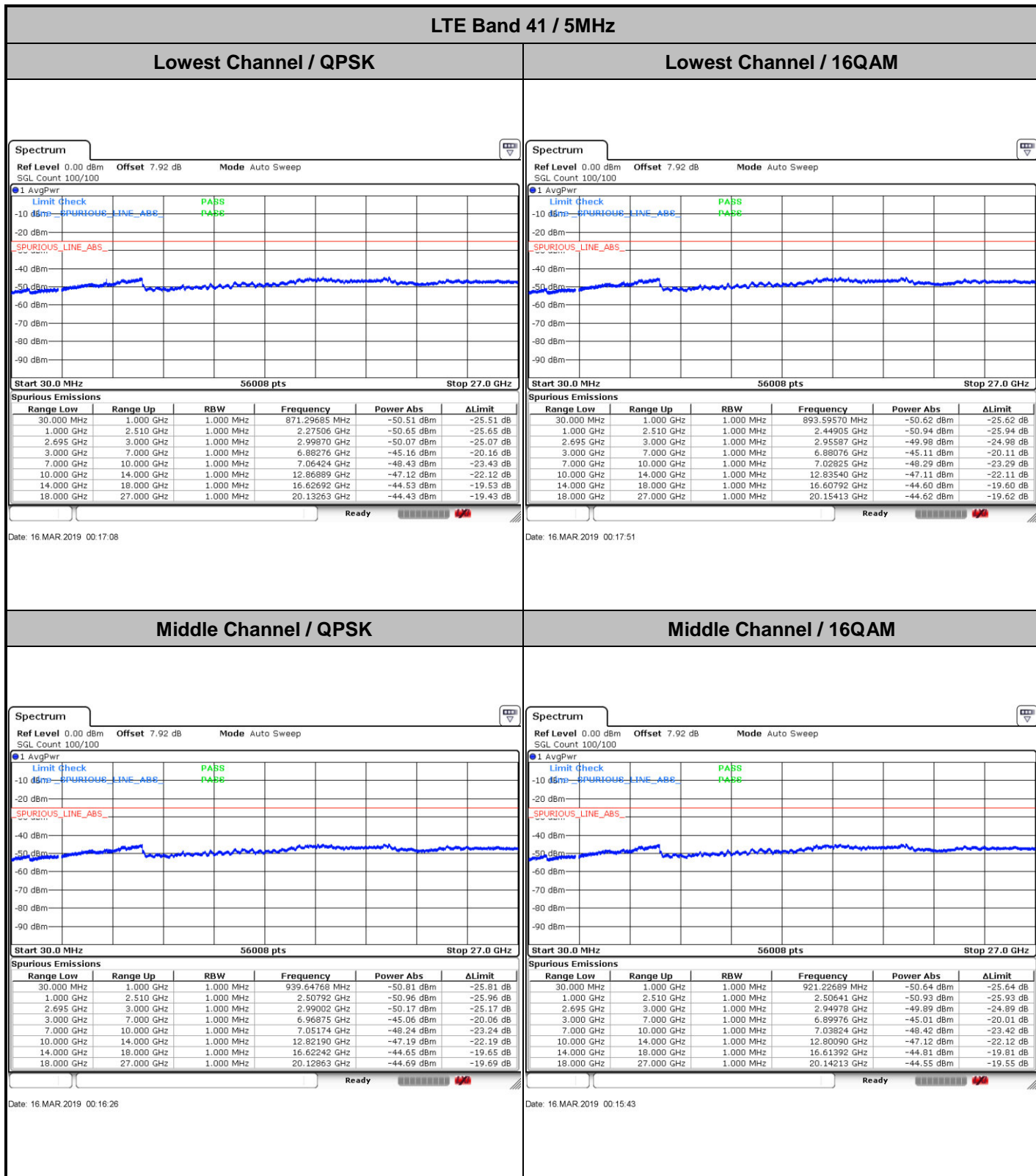


Highest Band Edge / Full RB





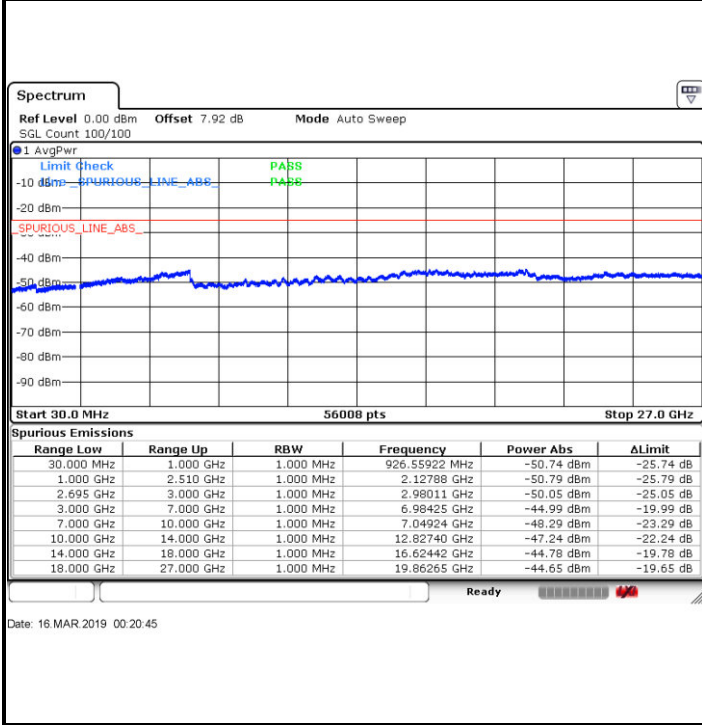
Conducted Spurious Emission



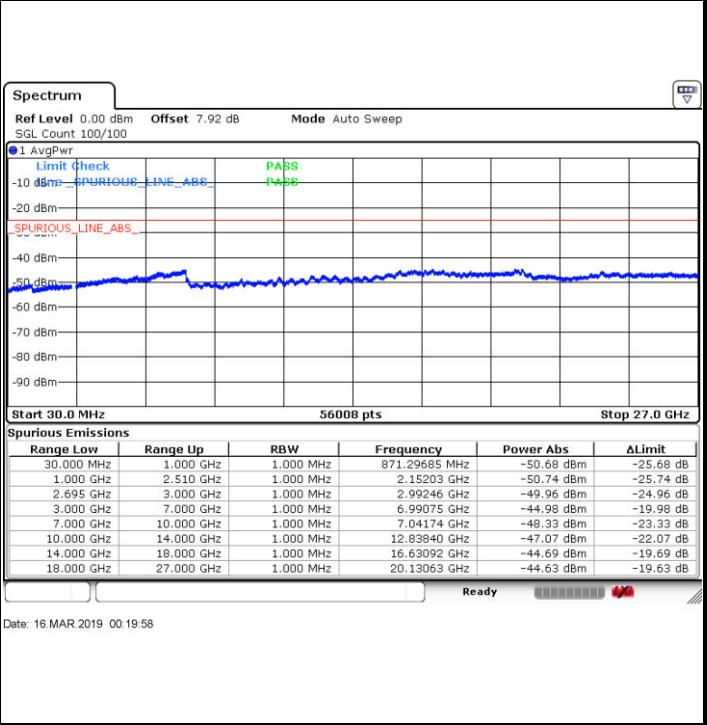


LTE Band 41 / 5MHz

Highest Channel / QPSK

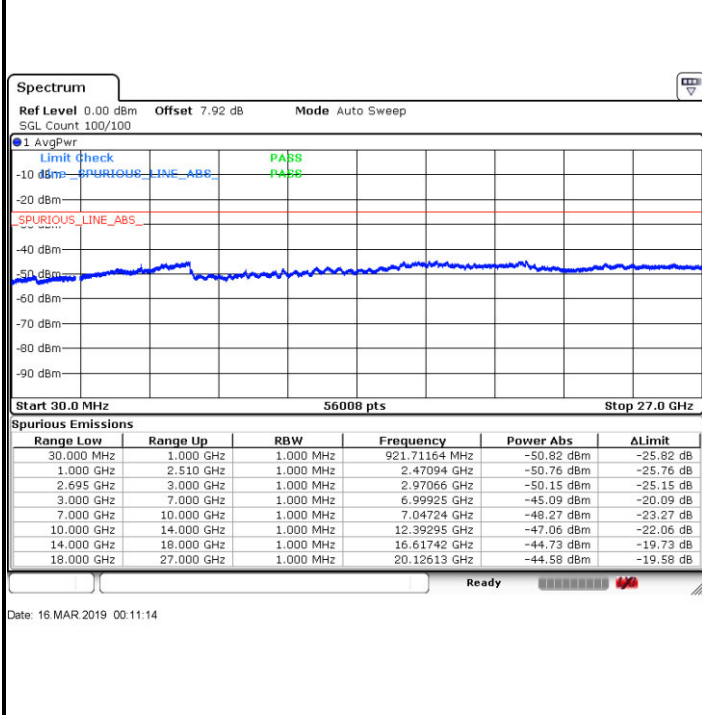


Highest Channel / 16QAM

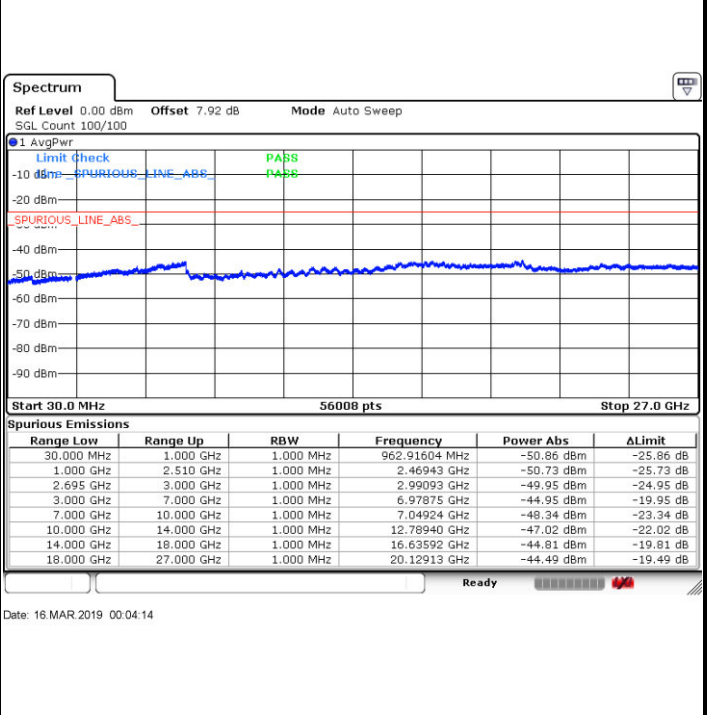


LTE Band 41 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

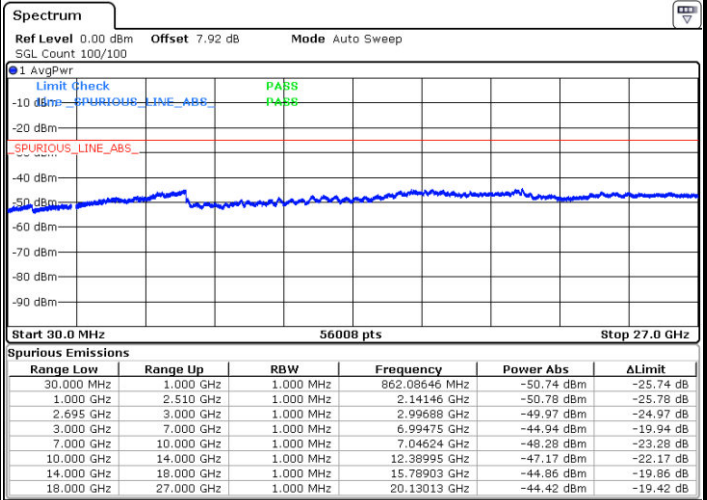
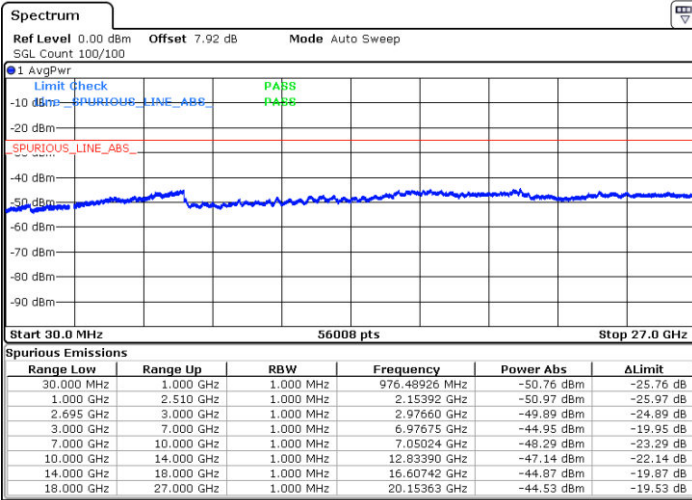




LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

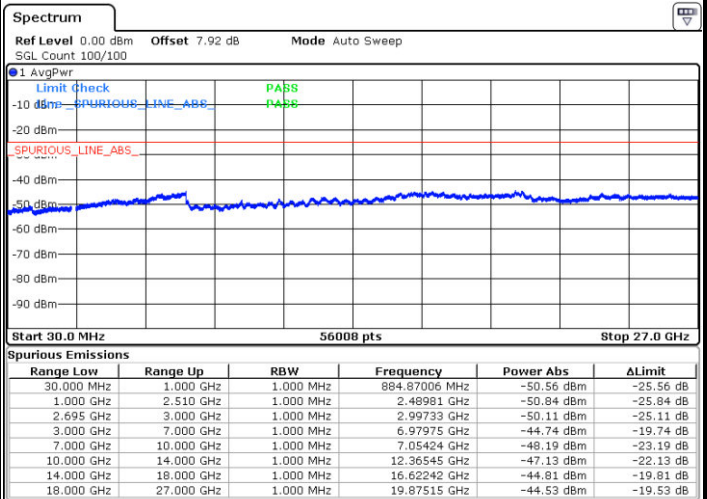
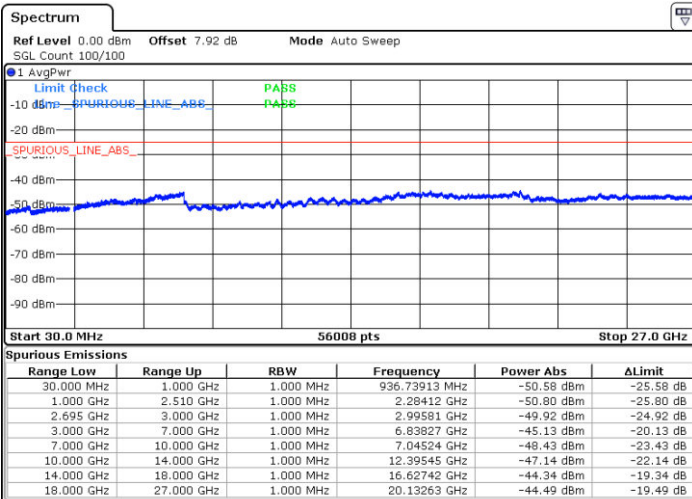


Date: 16.MAR.2019 00:01:03

Date: 16.MAR.2019 00:01:56

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16.MAR.2019 00:12:08

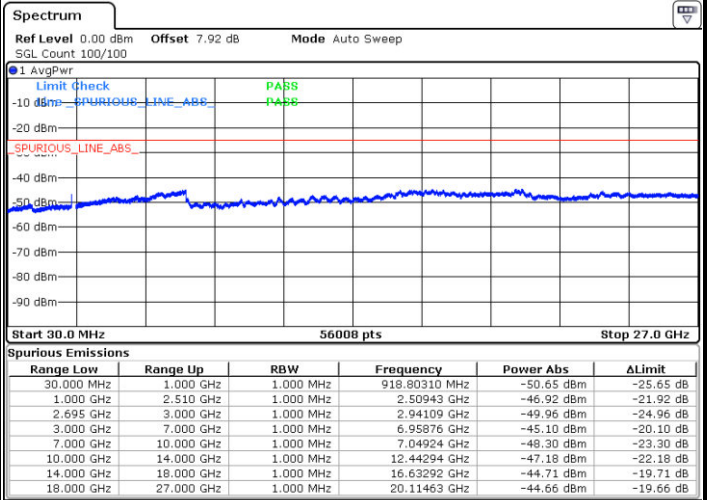
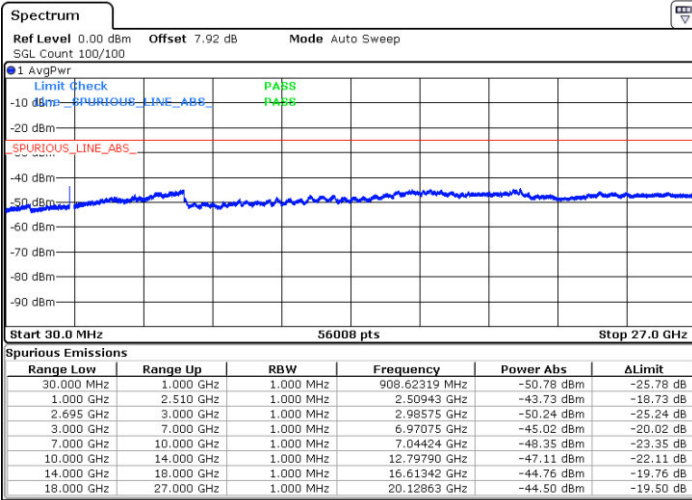
Date: 16.MAR.2019 00:13:03



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

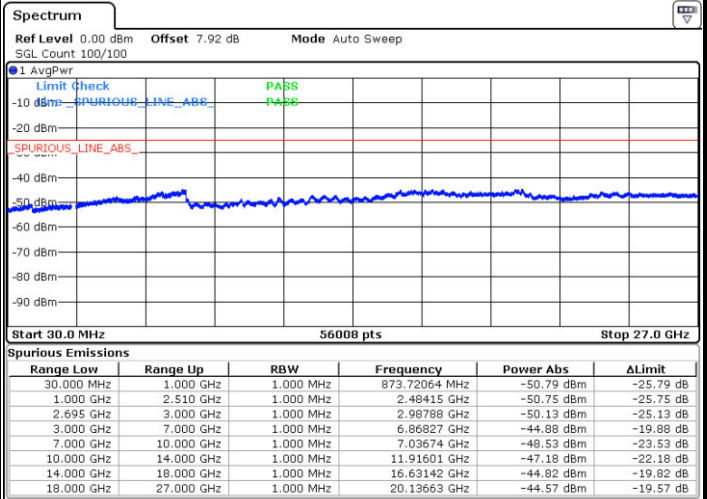
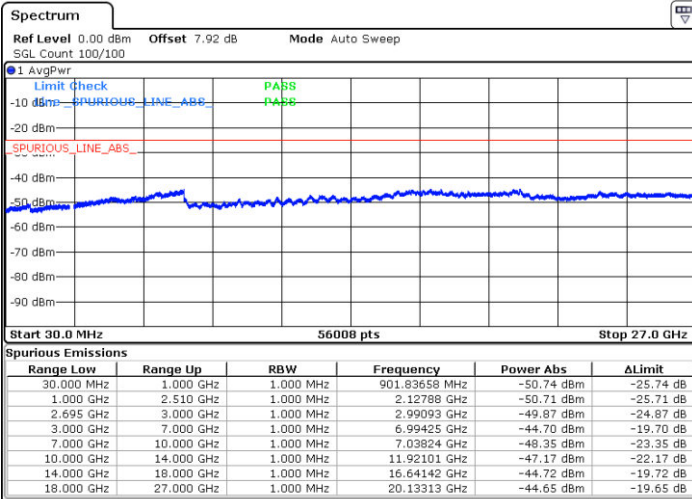


Date: 15.MAR.2019 23:55:36

Date: 15.MAR.2019 23:56:26

Middle Channel / QPSK

Middle Channel / 16QAM



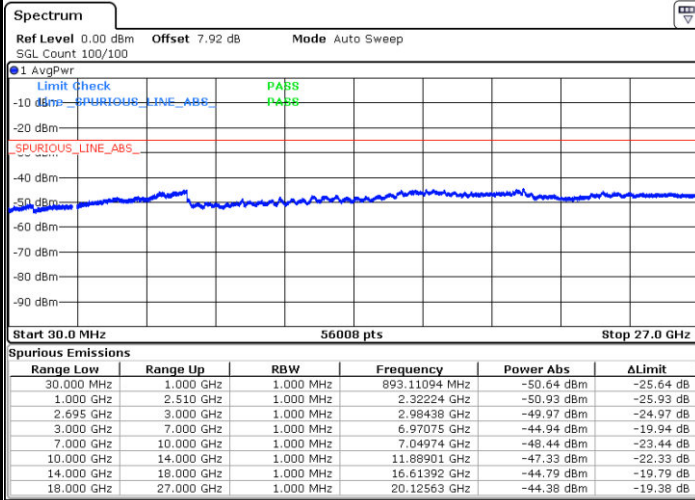
Date: 15.MAR.2019 23:54:50

Date: 15.MAR.2019 23:54:05



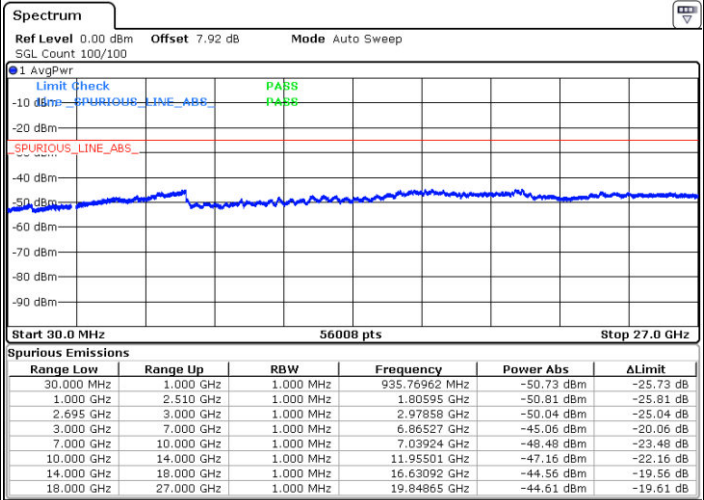
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 15.MAR.2019 23:59:22

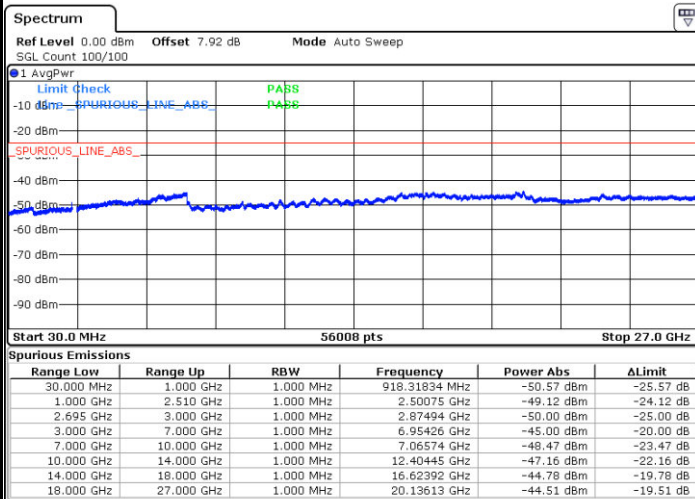
Highest Channel / 16QAM



Date: 15.MAR.2019 23:58:39

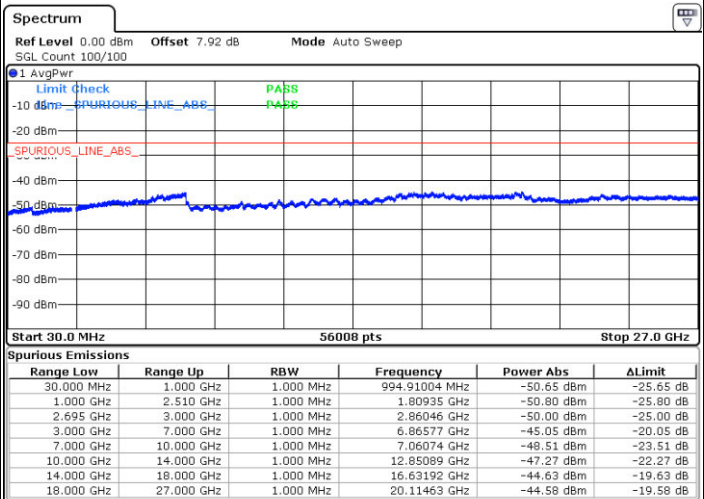
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 15.MAR.2019 23:45:50

Lowest Channel / 16QAM



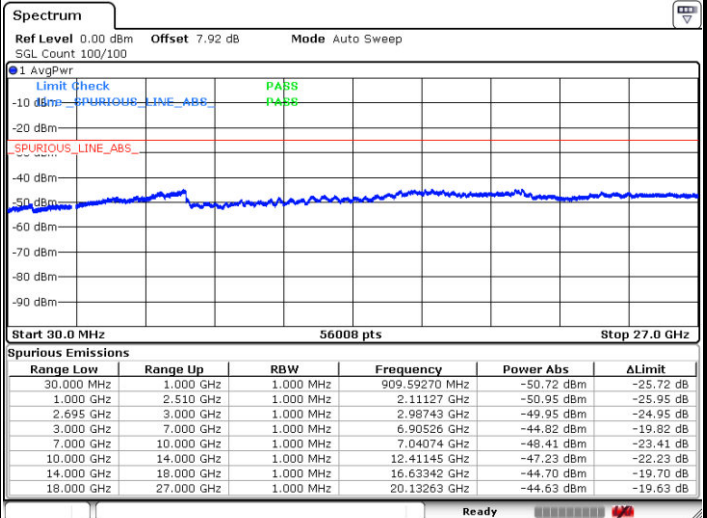
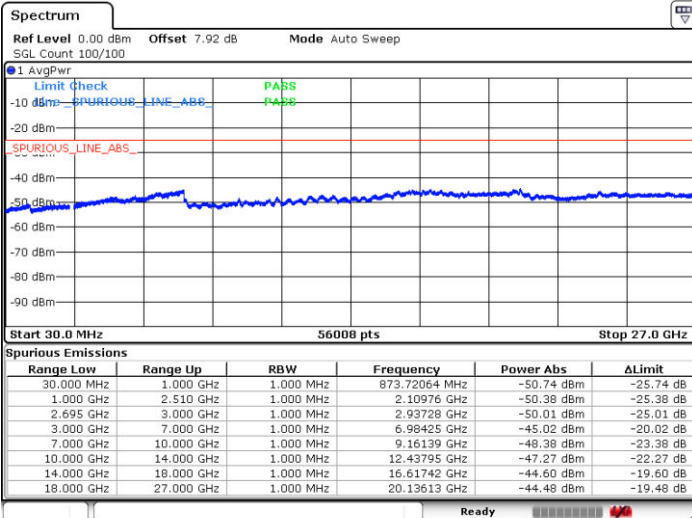
Date: 15.MAR.2019 23:45:07



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

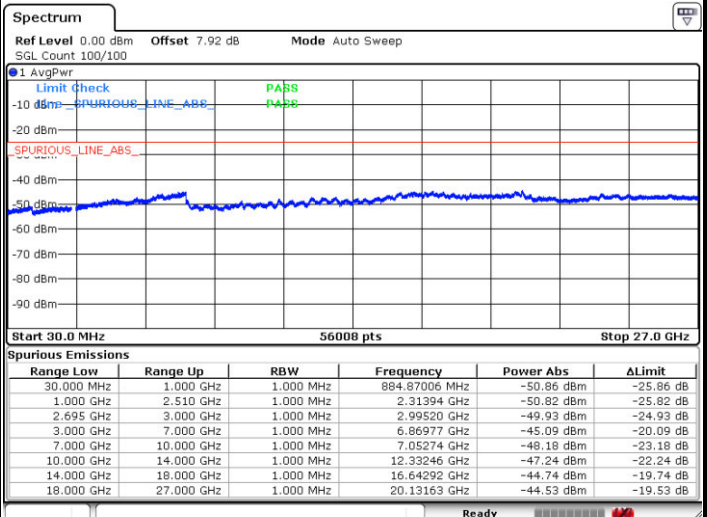
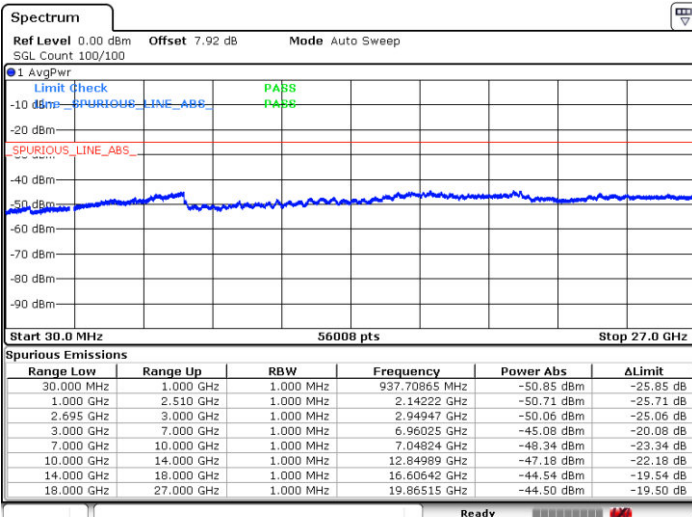


Date: 15.MAR.2019 23:49:16

Date: 15.MAR.2019 23:48:24

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15.MAR.2019 23:50:14

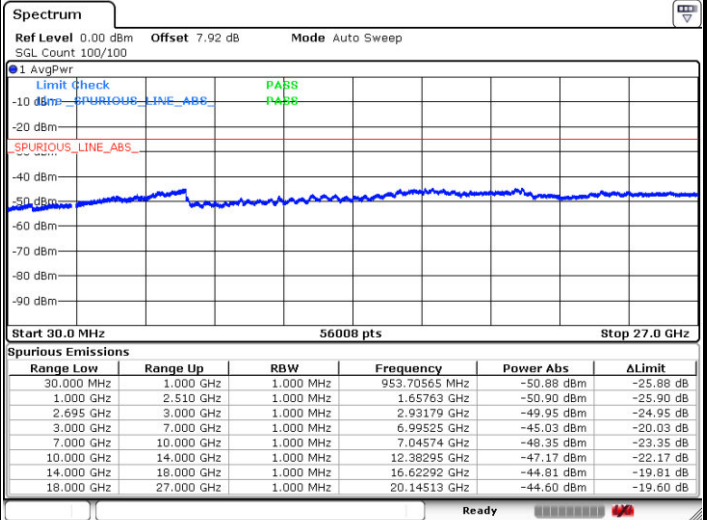
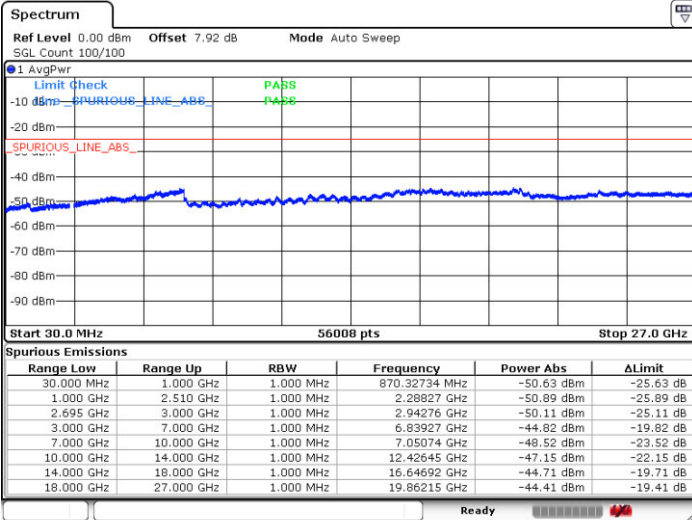
Date: 15.MAR.2019 23:50:58



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

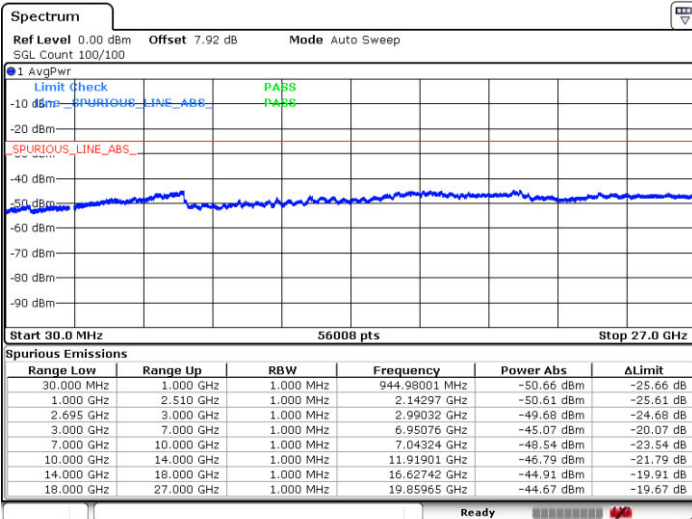
Middle Channel / 64QAM



Date: 16.MAR.2019 00:18:34

Date: 16.MAR.2019 00:14:51

Highest Channel / 64QAM



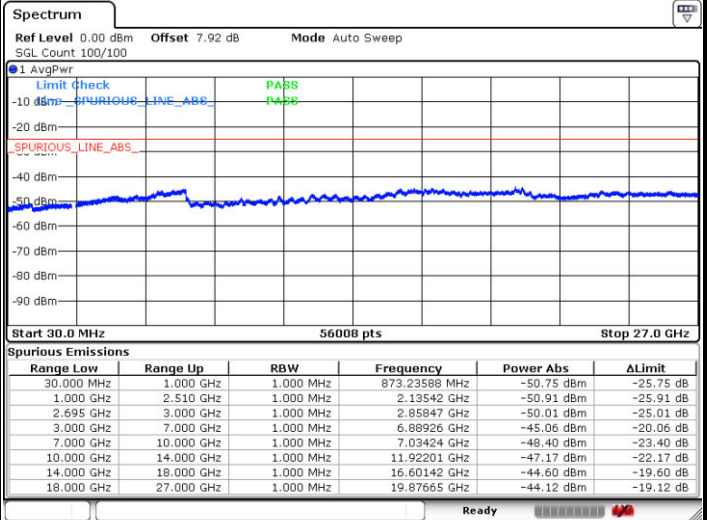
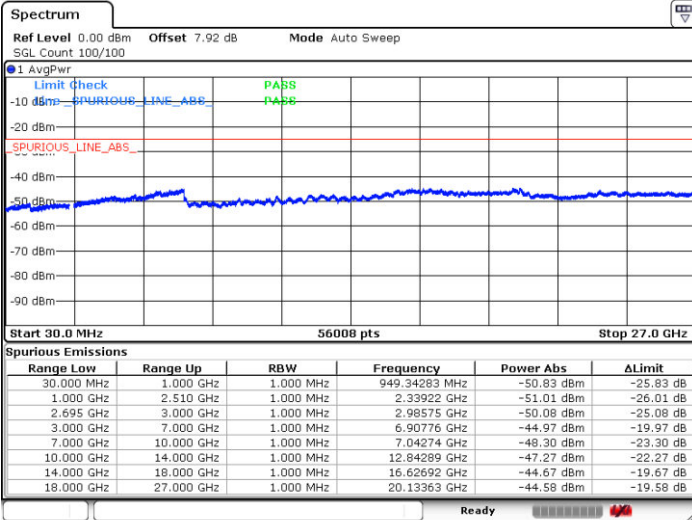
Date: 16.MAR.2019 00:19:16



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

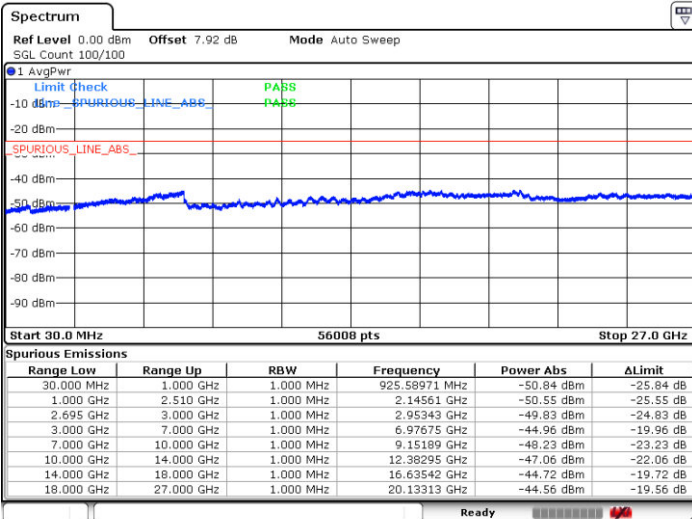
Middle Channel / 64QAM



Date: 16.MAR.2019 00:03:23

Date: 16.MAR.2019 00:02:40

Highest Channel / 64QAM



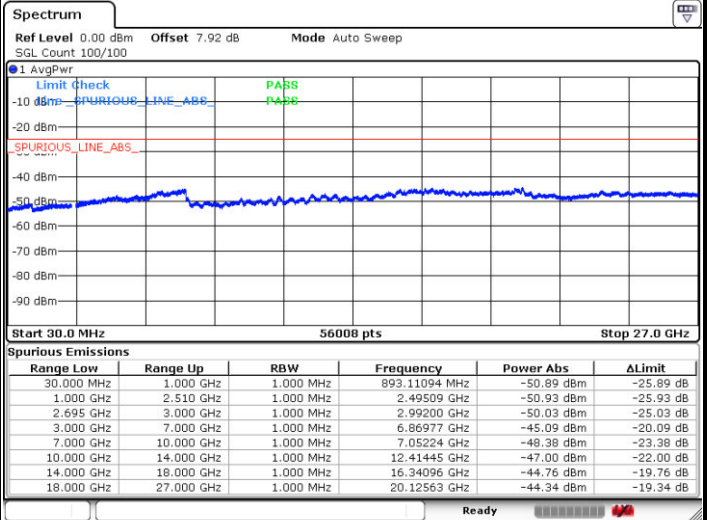
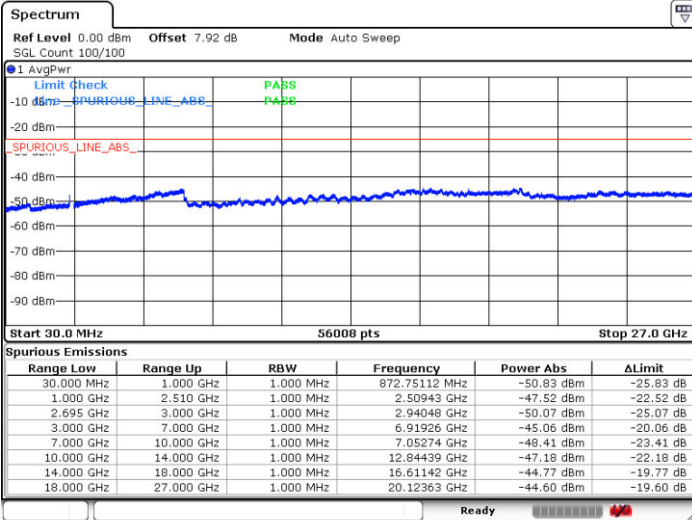
Date: 16.MAR.2019 00:13:47



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

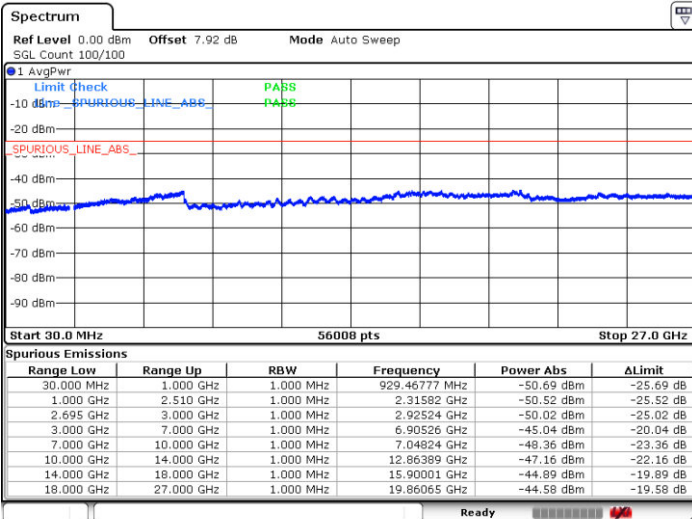
Middle Channel / 64QAM



Date: 15.MAR.2019 23:57:10

Date: 15.MAR.2019 23:52:52

Highest Channel / 64QAM



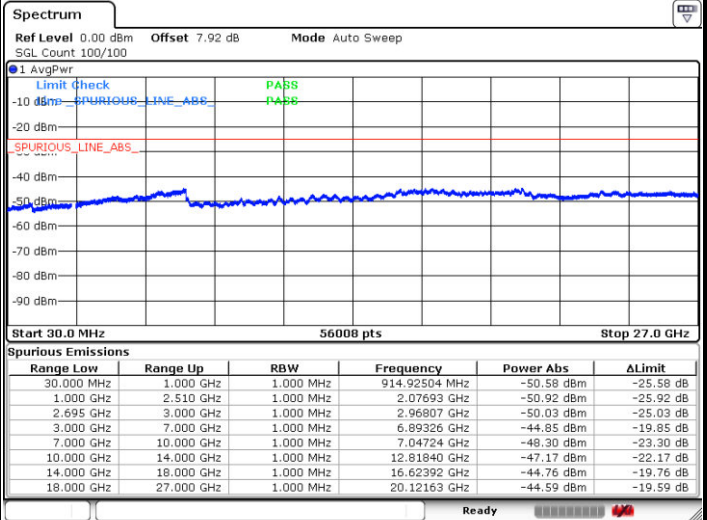
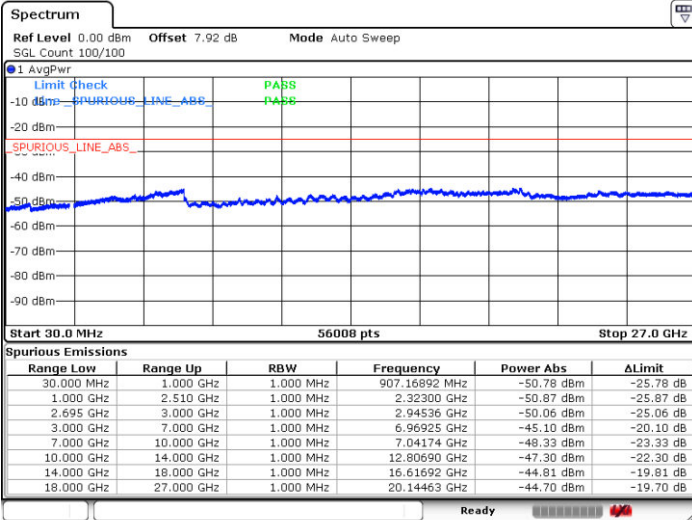
Date: 15.MAR.2019 23:57:55



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

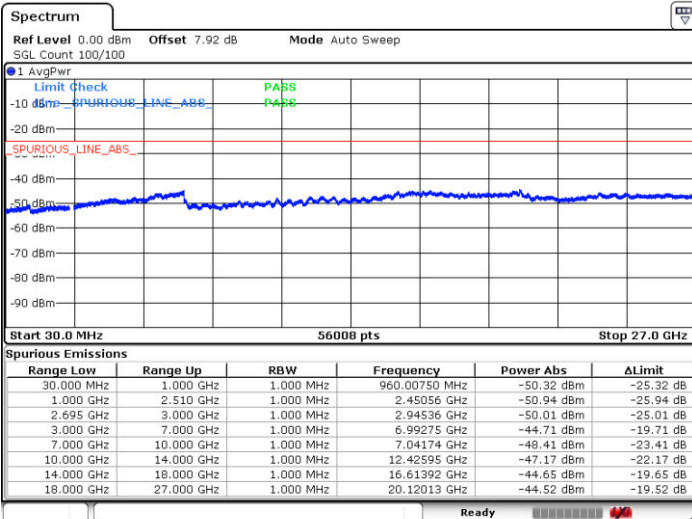
Middle Channel / 64QAM



Date: 15.MAR.2019 23:46:33

Date: 15.MAR.2019 23:47:21

Highest Channel / 64QAM



Date: 15.MAR.2019 23:51:41



Frequency Stability

| Test Conditions | | LTE Band 41 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0001 | PASS |
| 40 | Normal Voltage | 0.0020 | |
| 30 | Normal Voltage | 0.0003 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0010 | |
| 0 | Normal Voltage | 0.0016 | |
| -10 | Normal Voltage | 0.0004 | |
| -20 | Normal Voltage | 0.0002 | |
| -30 | Normal Voltage | 0.0014 | |
| 20 | Maximum Voltage | 0.0008 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0018 | |

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 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

| LTE Band 41 / 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 | 5170 | -58.26 | -25 | -33.26 | -64.27 | 4.20 | 10.21 | H |
| | 7760 | -52.32 | -25 | -27.32 | -59.18 | 5.12 | 11.98 | H |
| | 10341 | -58.58 | -25 | -33.58 | -65.62 | 5.86 | 12.90 | H |
| | 5170 | -61.25 | -25 | -36.25 | -67.26 | 4.20 | 10.21 | V |
| | 7760 | -52.29 | -25 | -27.29 | -59.15 | 5.12 | 11.98 | V |
| | 10341 | -58.92 | -25 | -33.92 | -65.96 | 5.86 | 12.90 | V |

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



Appendix D. Reference Report

Please refer to Sporton report number FG8D2002B which is issued separately.