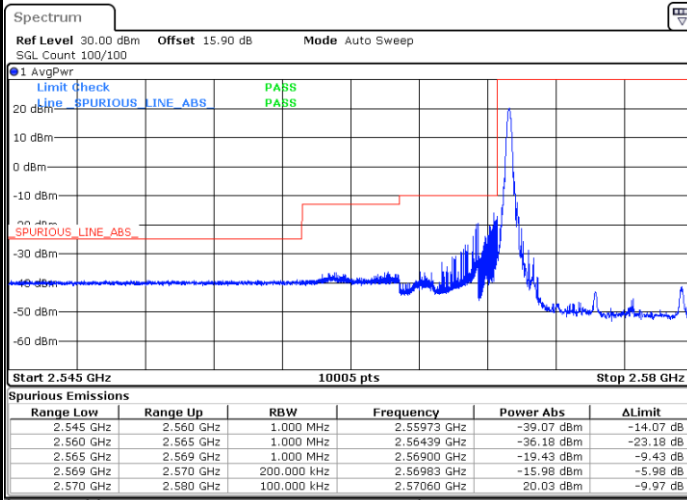




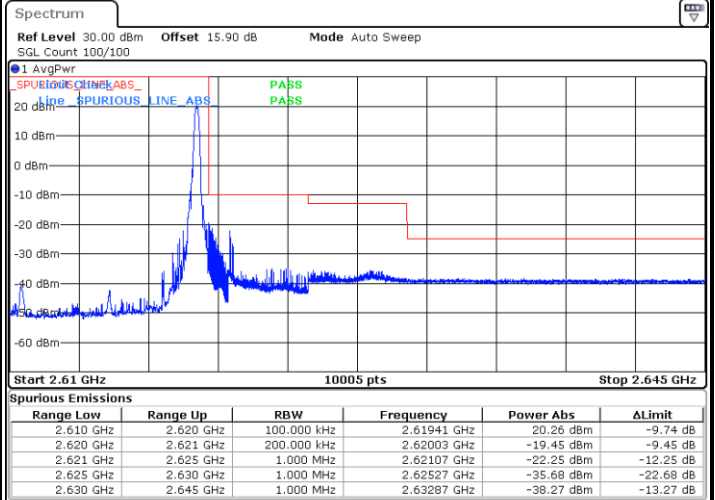
LTE Band 38(HPUE) / 10MHz / 16QAM

Lowest Band Edge / 1 RB



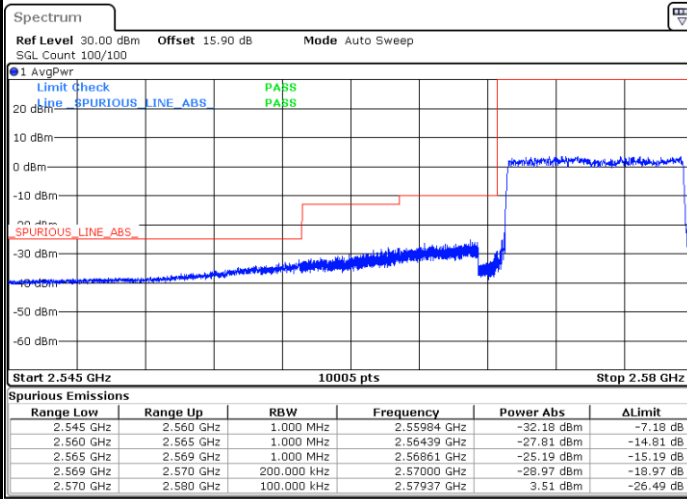
Date: 9.MAR.2020 19:55:08

Highest Band Edge / 1 RB



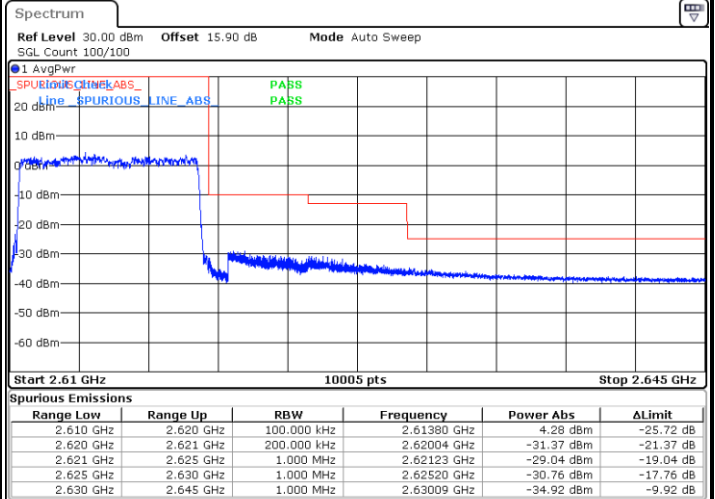
Date: 9.MAR.2020 20:03:18

Lowest Band Edge / Full RB



Date: 9.MAR.2020 19:57:51

Highest Band Edge / Full RB



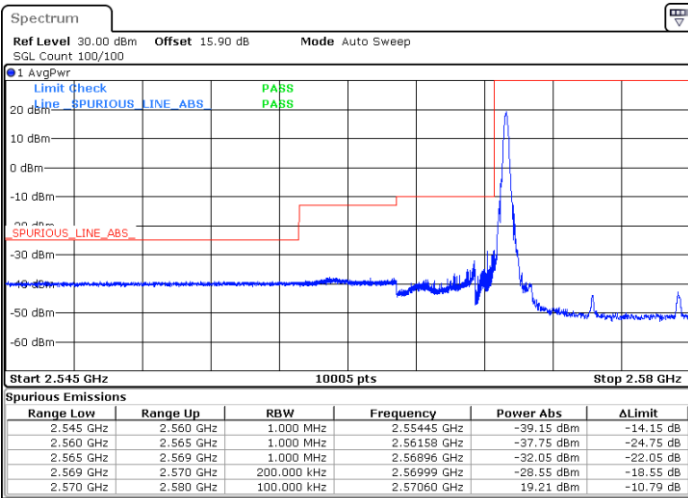
Date: 9.MAR.2020 20:00:34



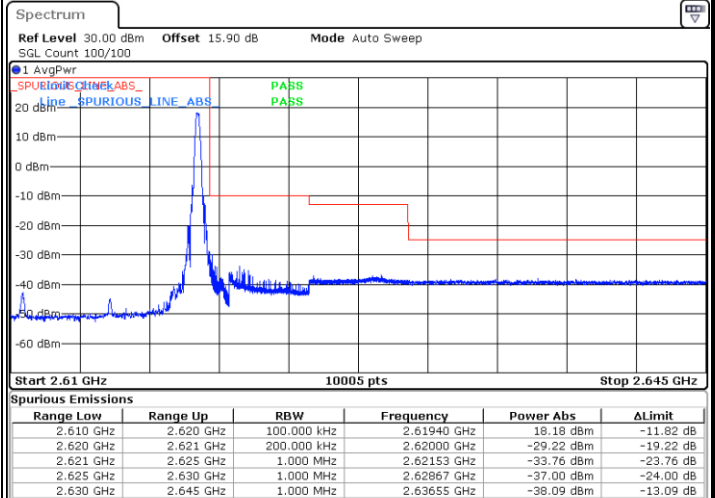
LTE Band 38(HPUE) / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



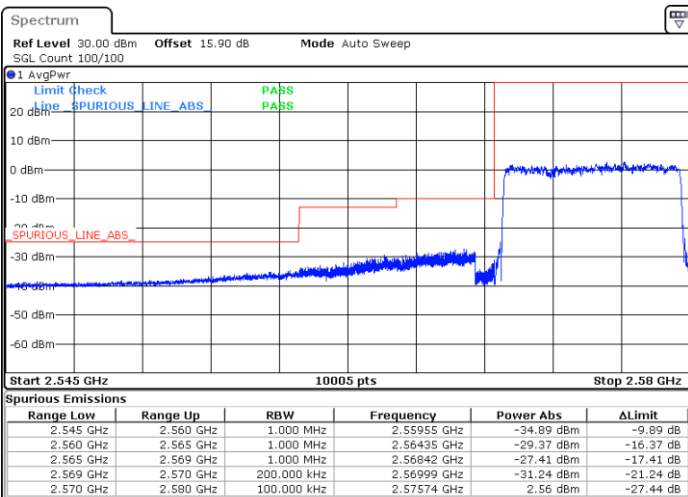
Date: 9.MAR.2020 19:48:19



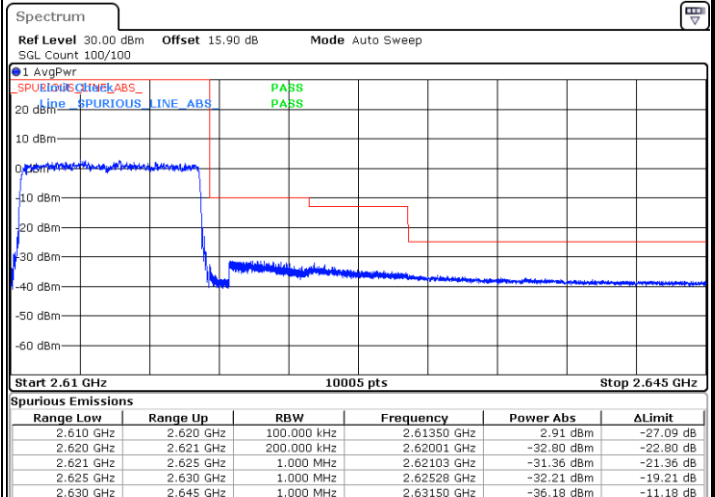
Date: 9.MAR.2020 19:52:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.MAR.2020 19:49:41



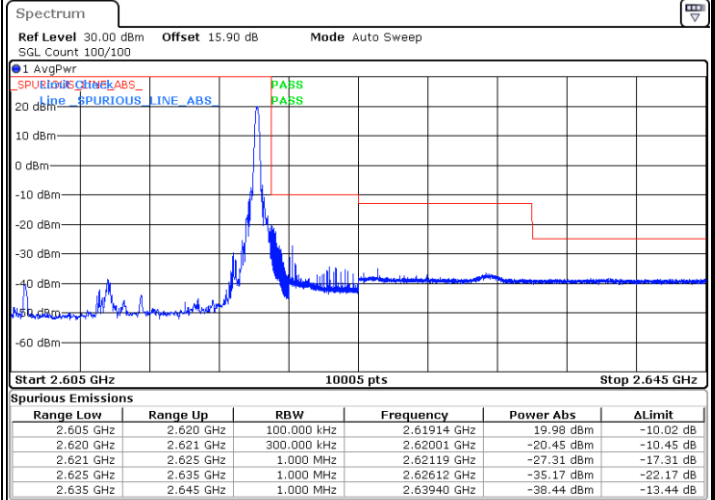
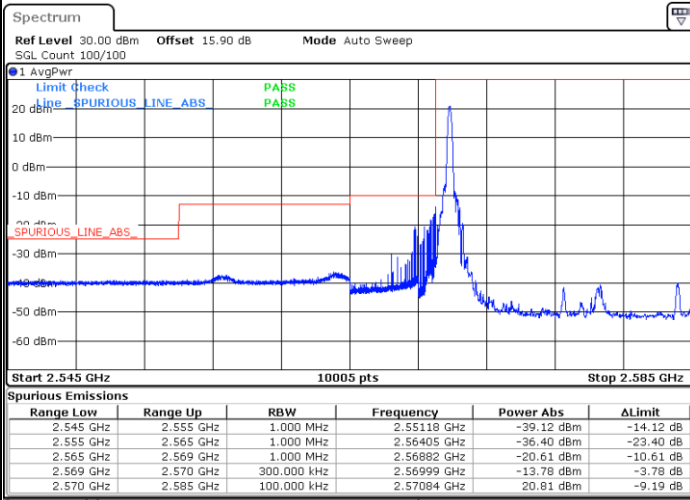
Date: 9.MAR.2020 19:51:03



LTE Band 38(HPUE) / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

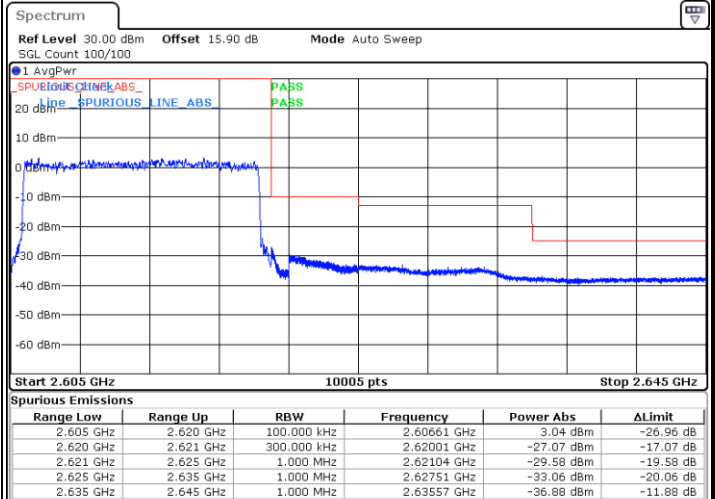
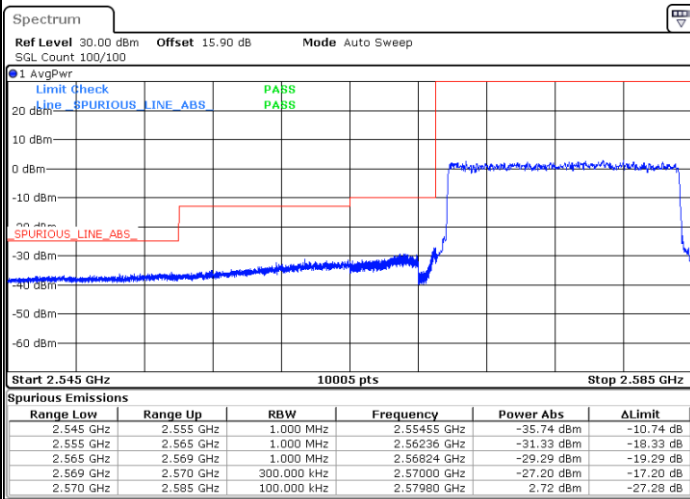


Date: 9.MAR.2020 20:04:41

Date: 9.MAR.2020 20:12:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



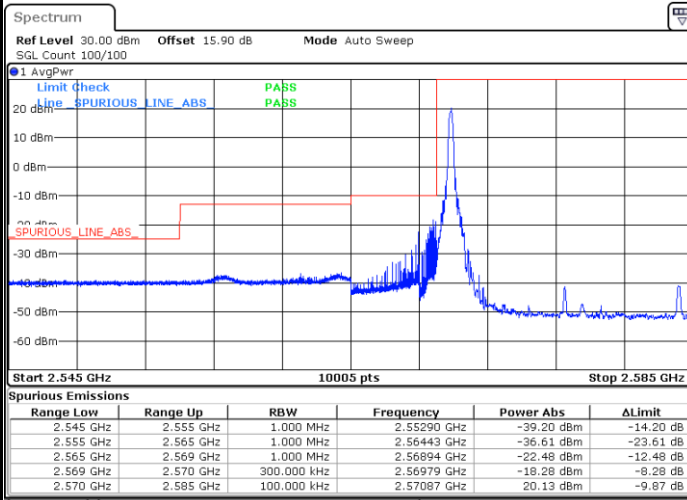
Date: 9.MAR.2020 20:07:24

Date: 9.MAR.2020 20:10:07



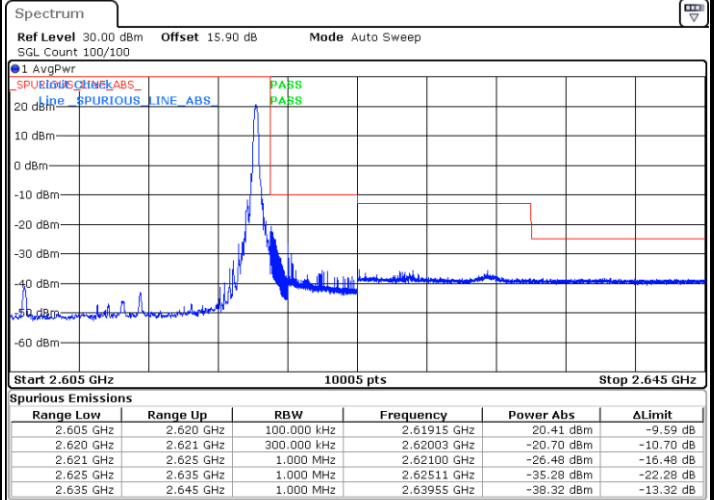
LTE Band 38(HPUE) / 15MHz / 16QAM

Lowest Band Edge / 1 RB



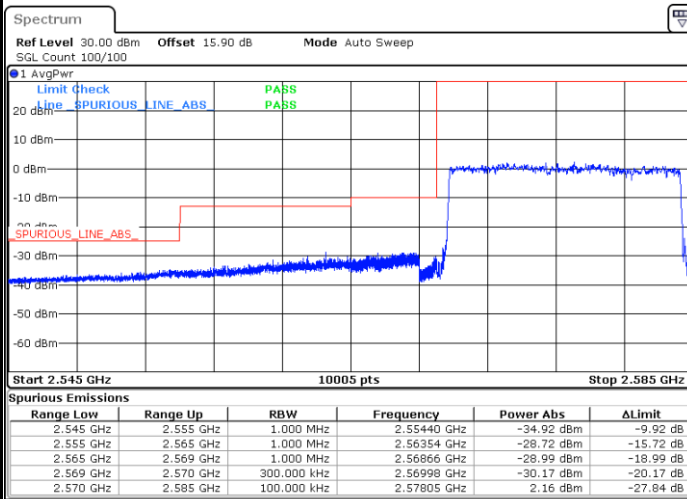
Date: 9.MAR.2020 20:06:02

Highest Band Edge / 1 RB



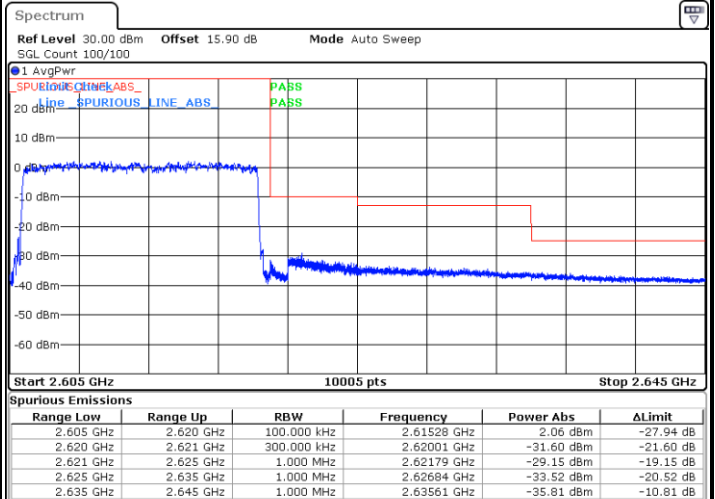
Date: 9.MAR.2020 20:14:13

Lowest Band Edge / Full RB



Date: 9.MAR.2020 20:08:46

Highest Band Edge / Full RB

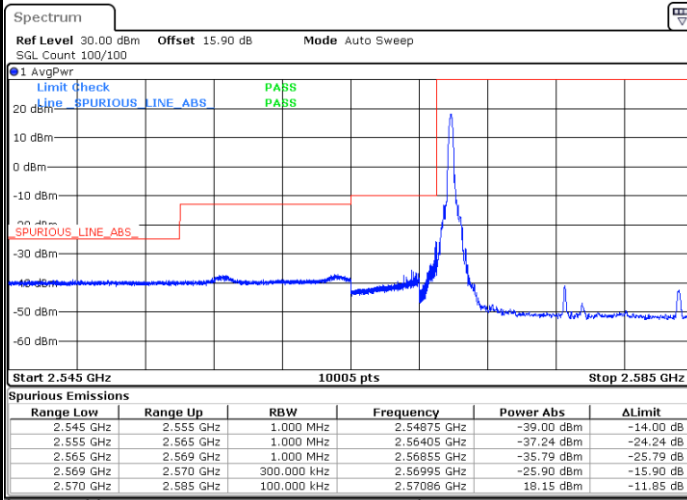


Date: 9.MAR.2020 20:11:29



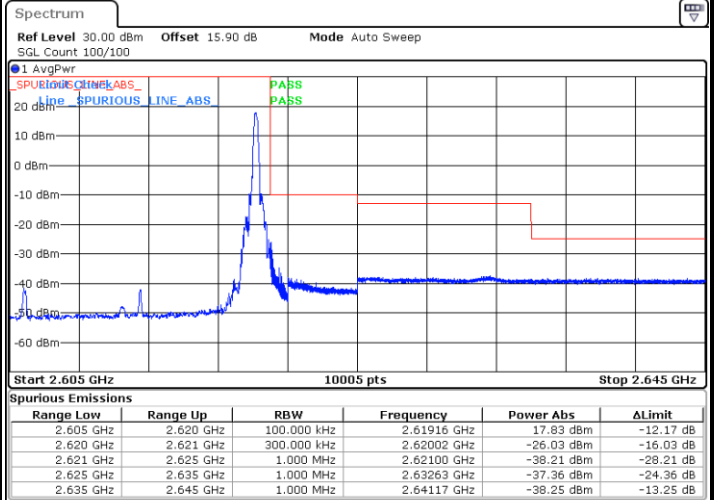
LTE Band 38(HPUE) / 15MHz / 64QAM

Lowest Band Edge / 1 RB



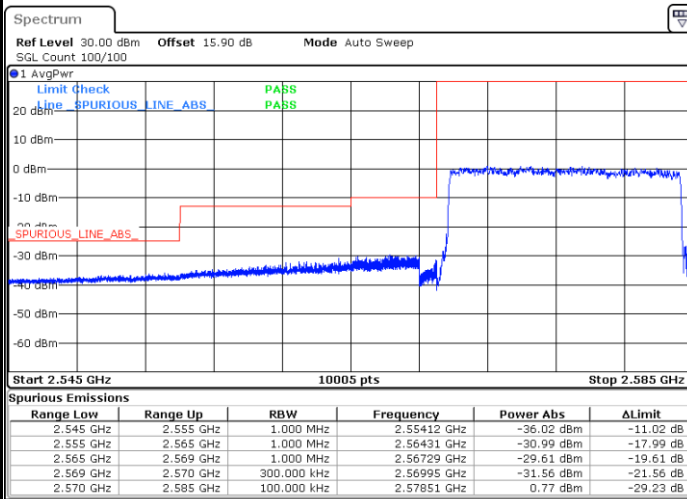
Date: 9.MAR.2020 20:15:34

Highest Band Edge / 1 RB



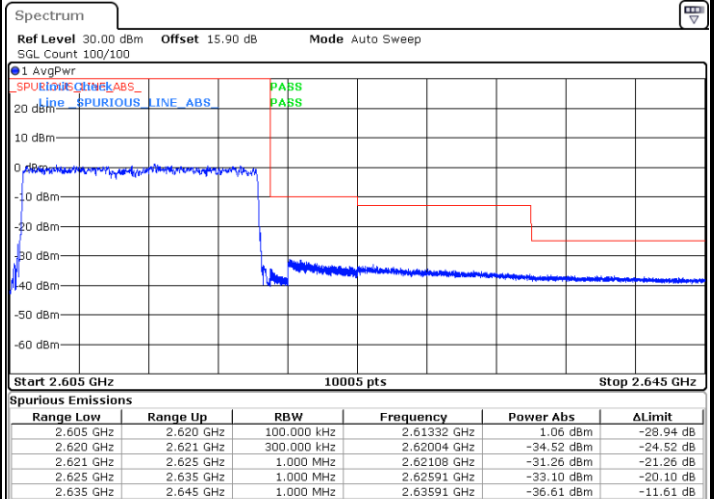
Date: 9.MAR.2020 20:19:39

Lowest Band Edge / Full RB



Date: 9.MAR.2020 20:16:56

Highest Band Edge / Full RB



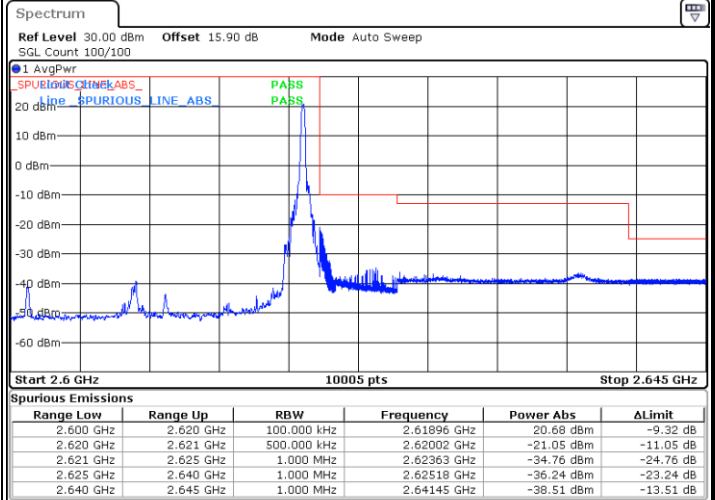
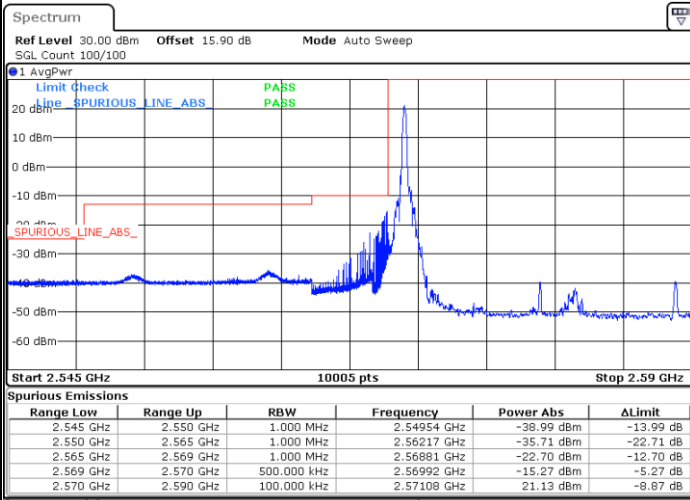
Date: 9.MAR.2020 20:18:17



LTE Band 38(HPUE) / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

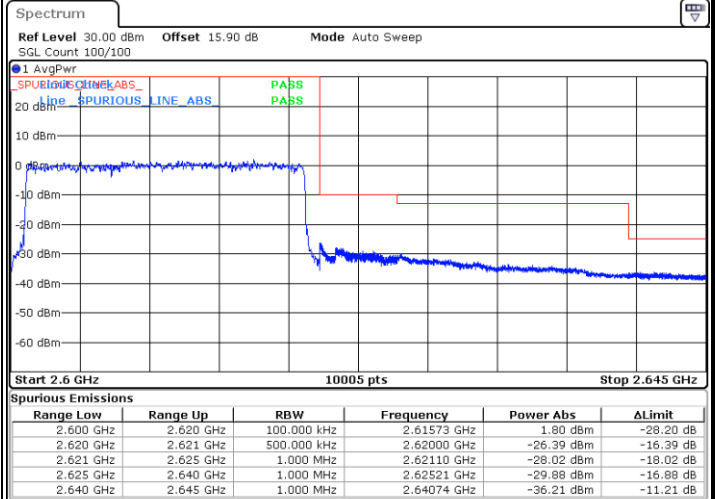
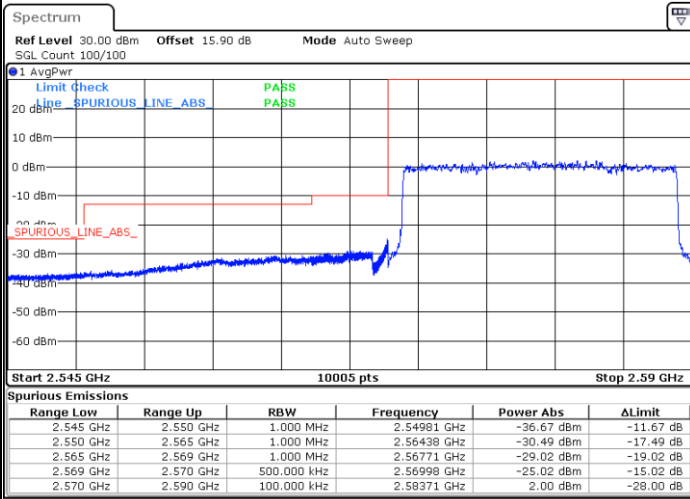


Date: 9.MAR.2020 20:21:02

Date: 9.MAR.2020 20:29:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



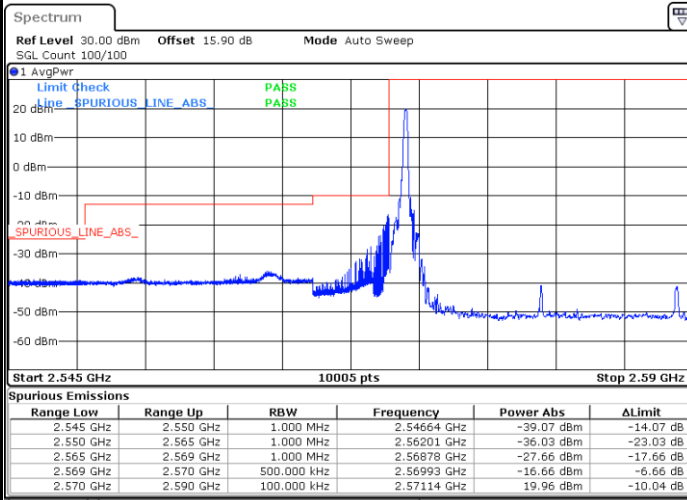
Date: 9.MAR.2020 20:23:46

Date: 9.MAR.2020 20:26:29



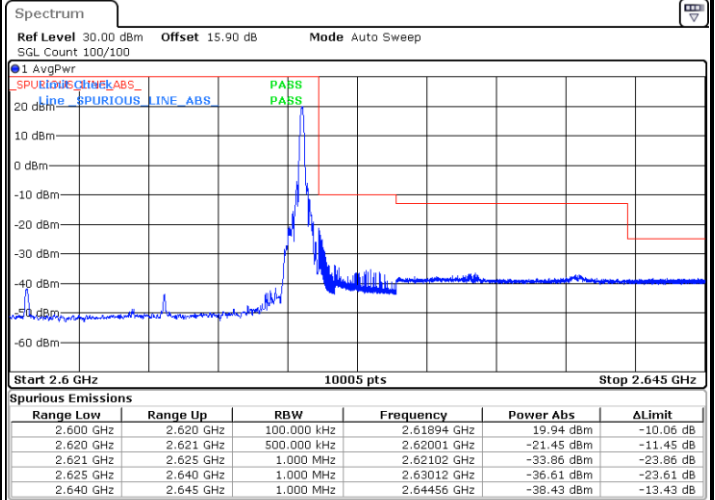
LTE Band 38(HPUE) / 20MHz / 16QAM

Lowest Band Edge / 1 RB



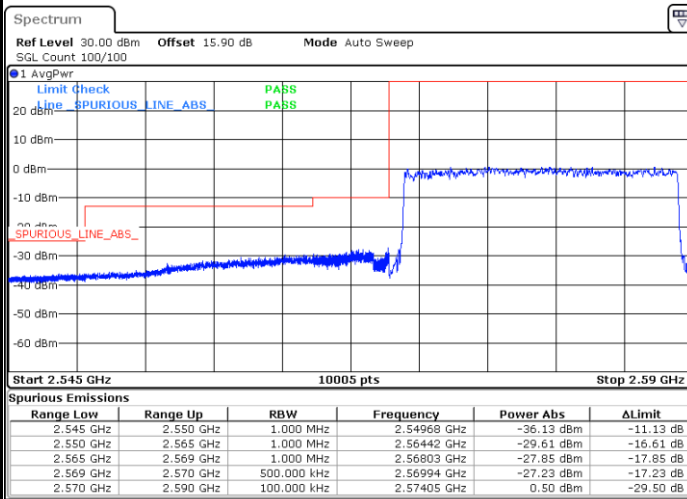
Date: 9.MAR.2020 20:22:24

Highest Band Edge / 1 RB



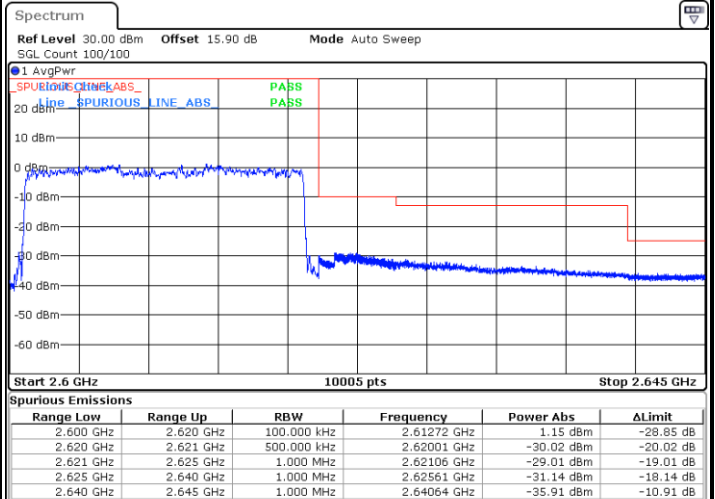
Date: 9.MAR.2020 20:30:34

Lowest Band Edge / Full RB



Date: 9.MAR.2020 20:25:08

Highest Band Edge / Full RB

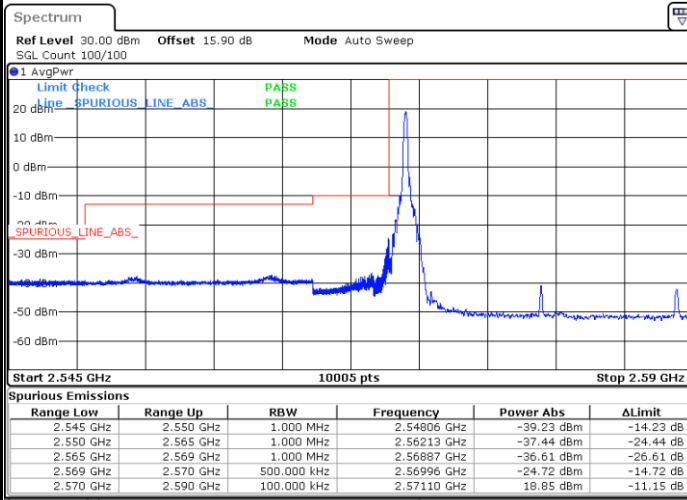


Date: 9.MAR.2020 20:27:51



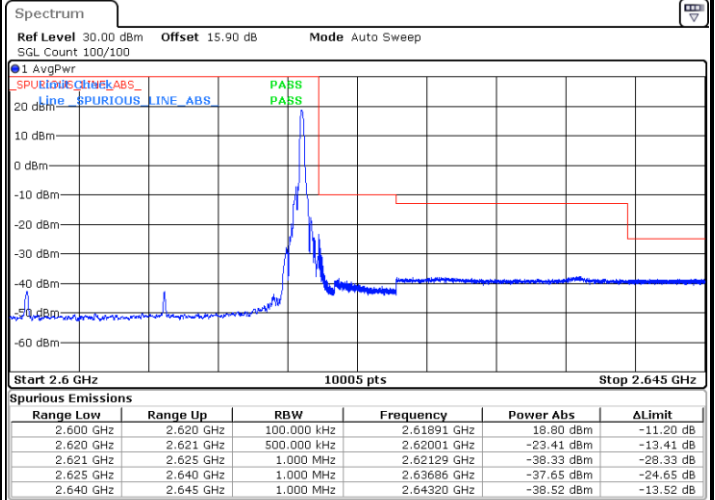
LTE Band 38(HPUE) / 20MHz / 64QAM

Lowest Band Edge / 1 RB



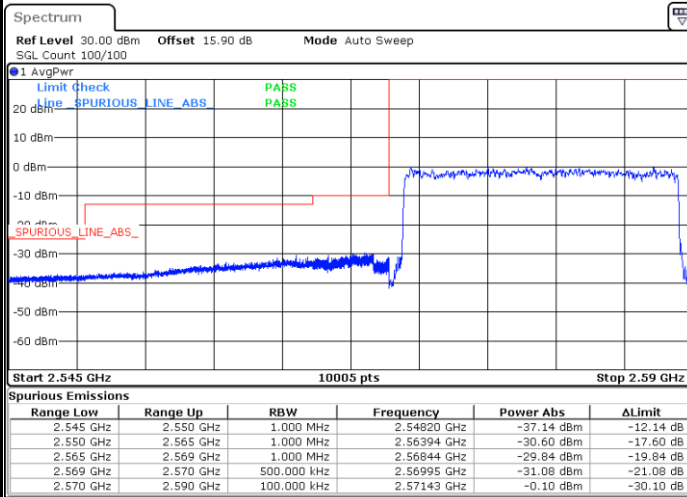
Date: 9.MAR.2020 20:31:56

Highest Band Edge / 1 RB



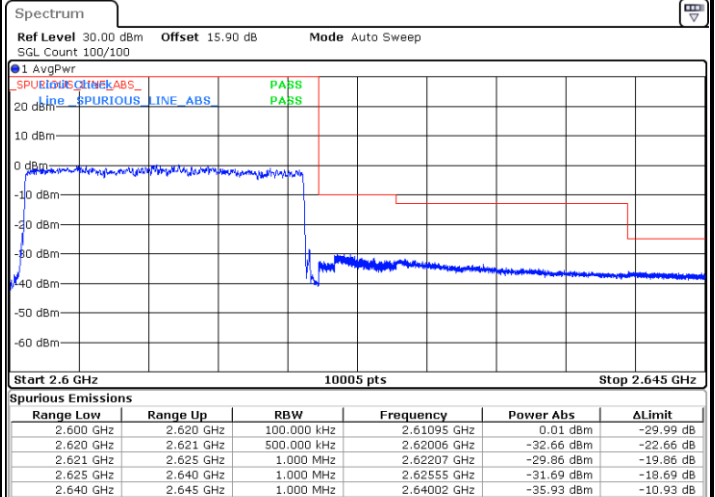
Date: 9.MAR.2020 20:36:00

Lowest Band Edge / Full RB



Date: 9.MAR.2020 20:33:17

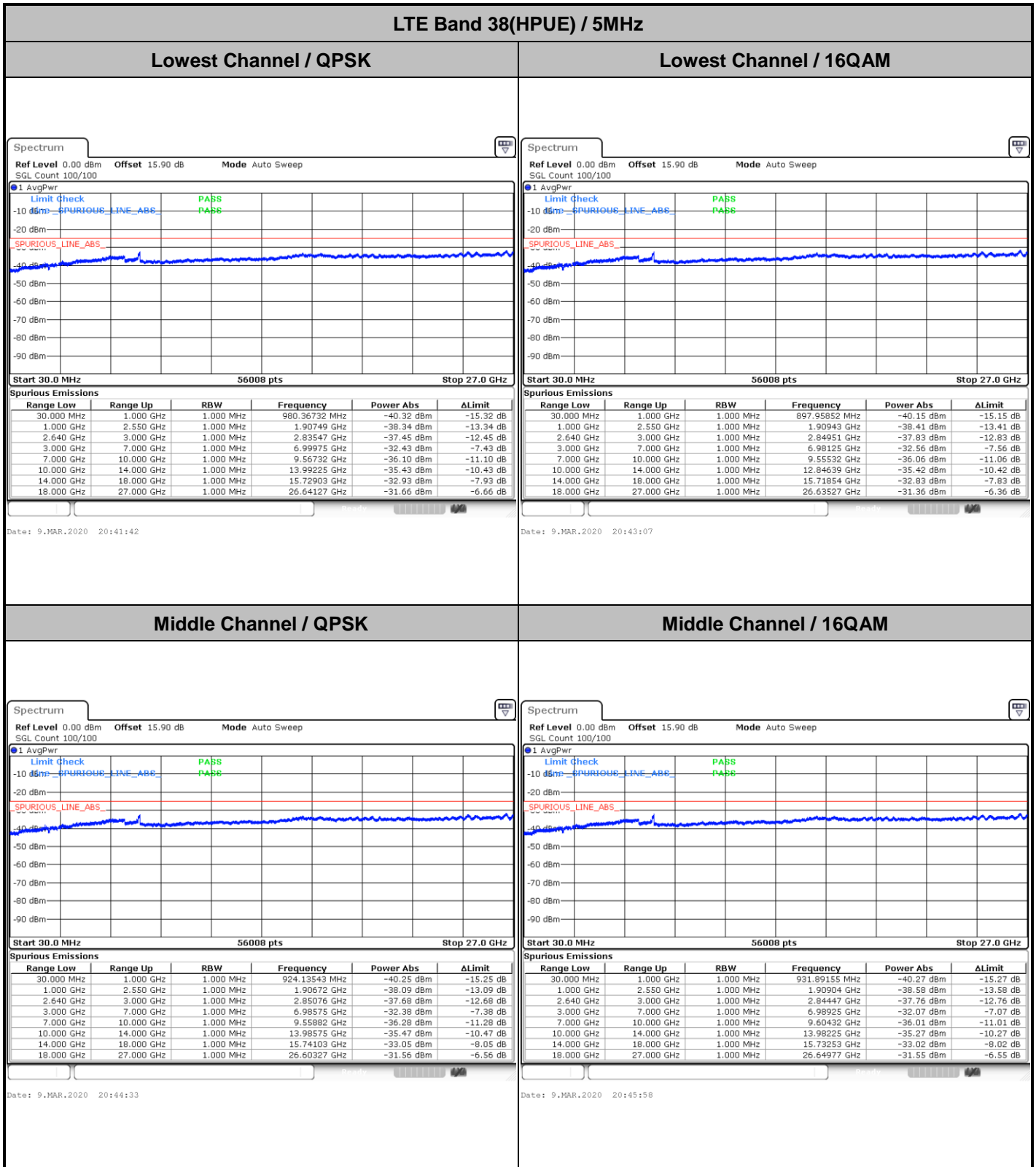
Highest Band Edge / Full RB



Date: 9.MAR.2020 20:34:39



Conducted Spurious Emission

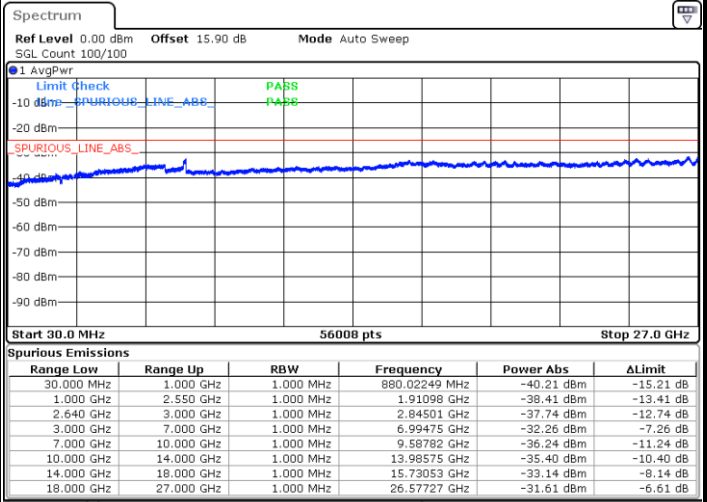
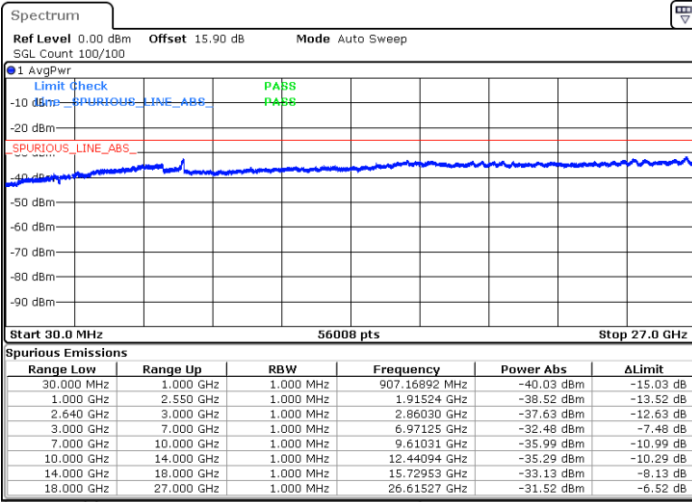




LTE Band 38(HPUE) / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



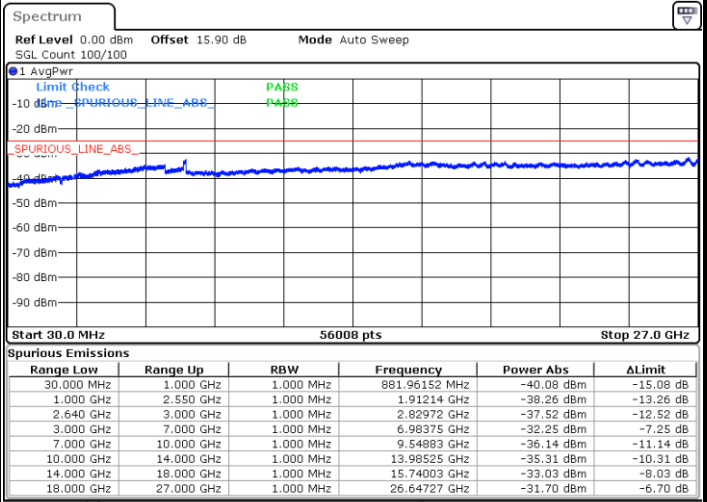
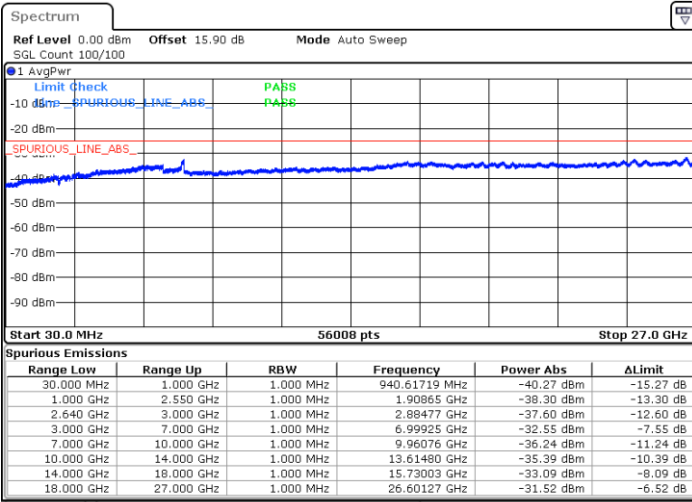
Date: 9.MAR.2020 20:47:23

Date: 9.MAR.2020 20:48:49

LTE Band 38(HPUE) / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 9.MAR.2020 20:54:31

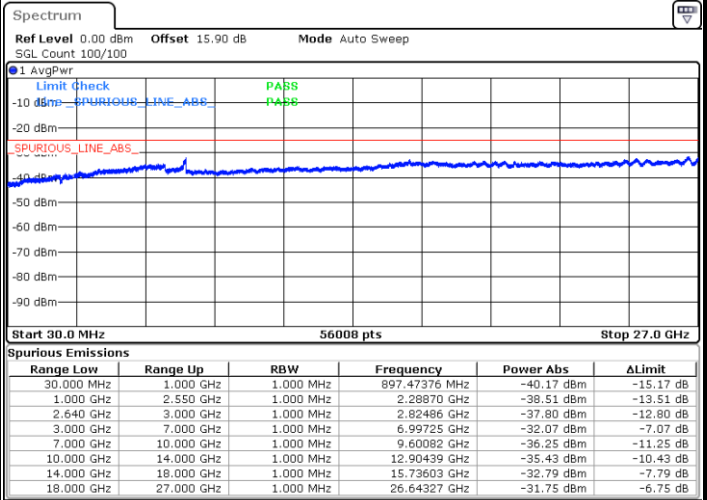
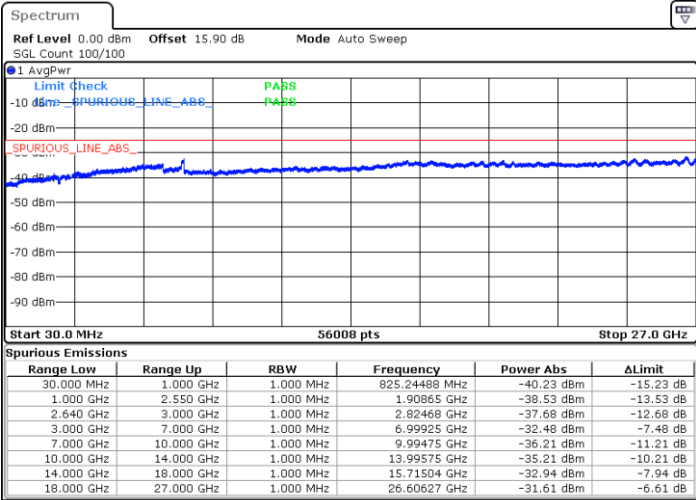
Date: 9.MAR.2020 20:55:57



LTE Band 38(HPUE) / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

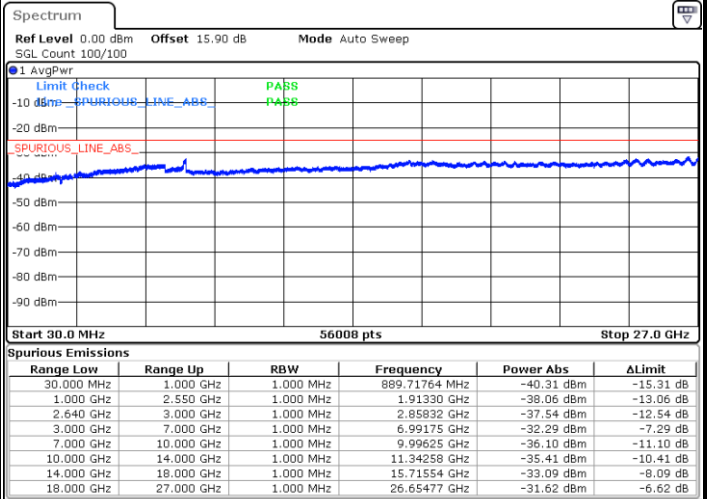
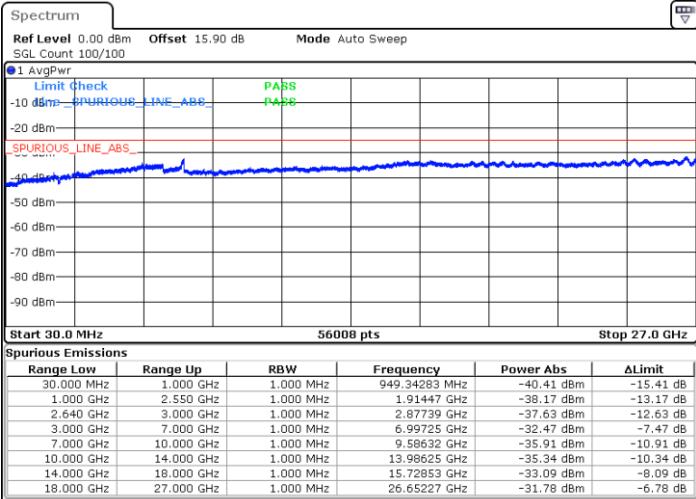


Date: 9.MAR.2020 20:57:22

Date: 9.MAR.2020 20:58:47

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 9.MAR.2020 21:00:13

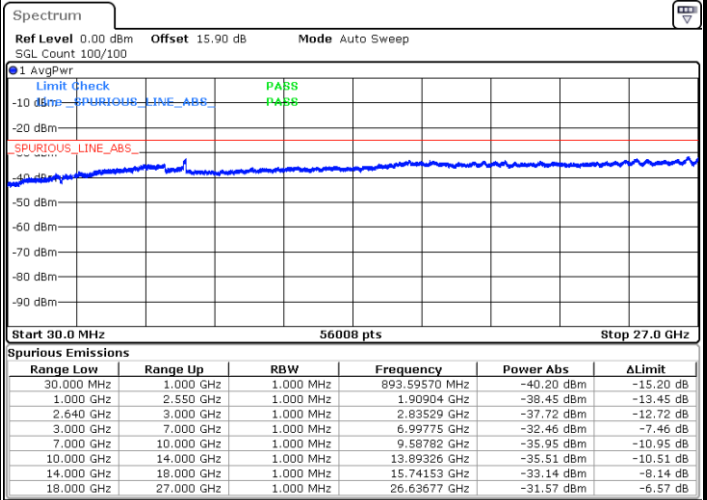
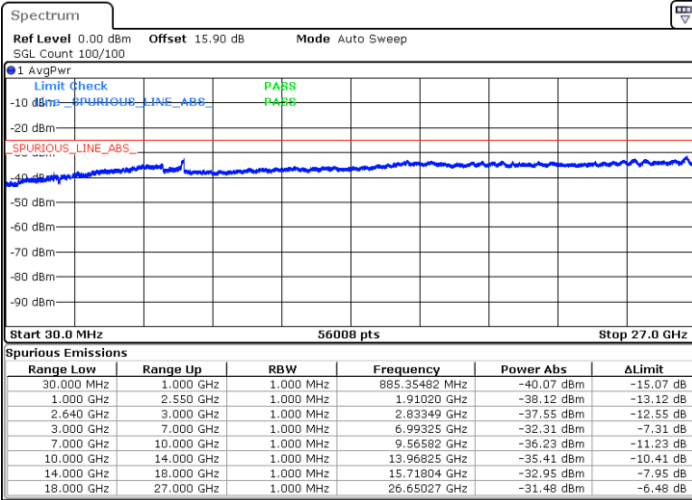
Date: 9.MAR.2020 21:01:38



LTE Band 38(HPUE) / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

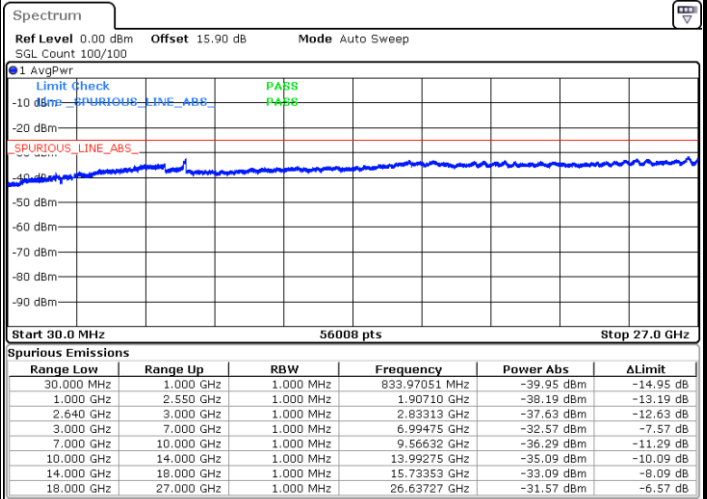
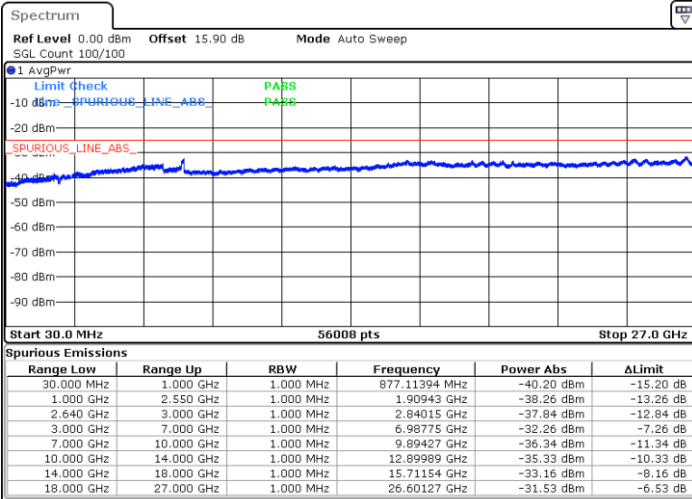


Date: 9.MAR.2020 21:03:06

Date: 9.MAR.2020 21:04:31

Middle Channel / QPSK

Middle Channel / 16QAM



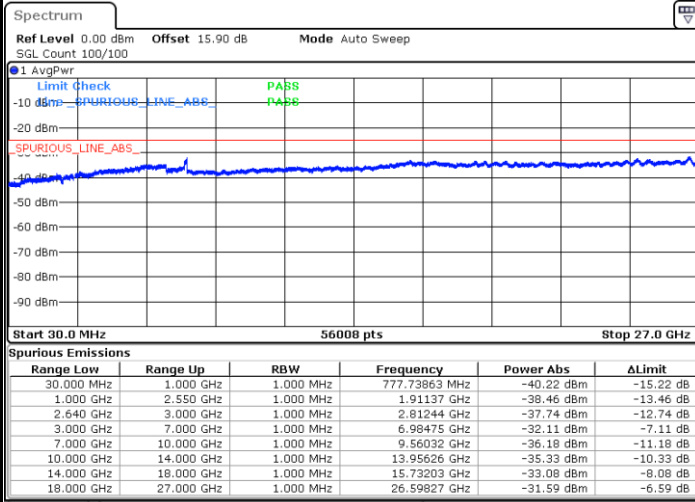
Date: 9.MAR.2020 21:05:57

Date: 9.MAR.2020 21:07:22



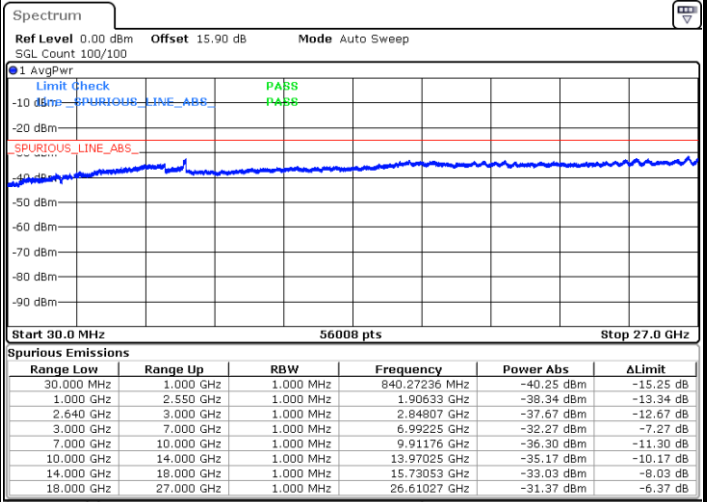
LTE Band 38(HPUE) / 15MHz

Highest Channel / QPSK



Date: 9.MAR.2020 21:08:48

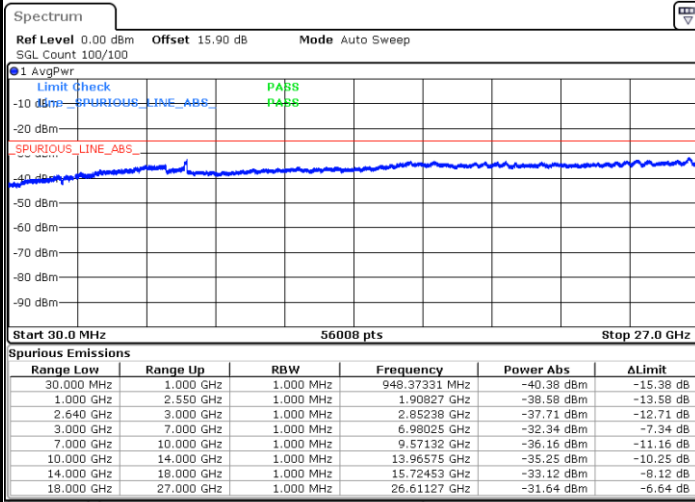
Highest Channel / 16QAM



Date: 9.MAR.2020 21:10:13

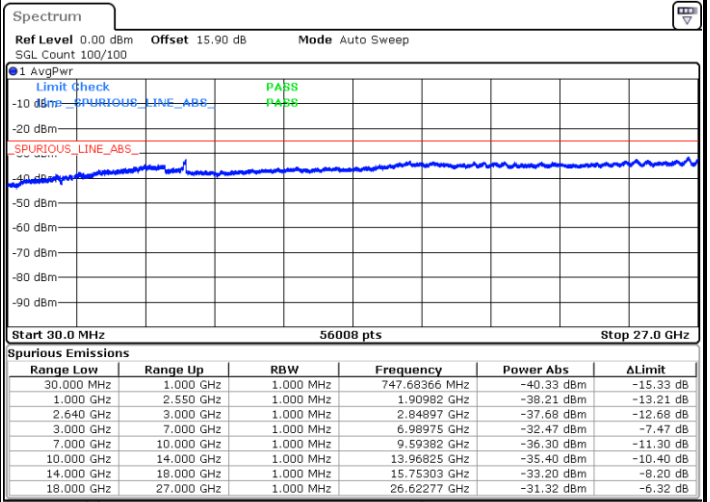
LTE Band 38(HPUE) / 20MHz

Lowest Channel / QPSK



Date: 9.MAR.2020 21:15:57

Lowest Channel / 16QAM



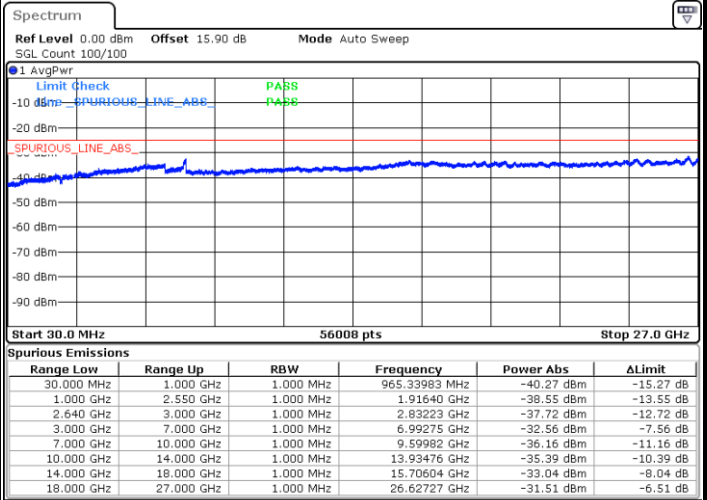
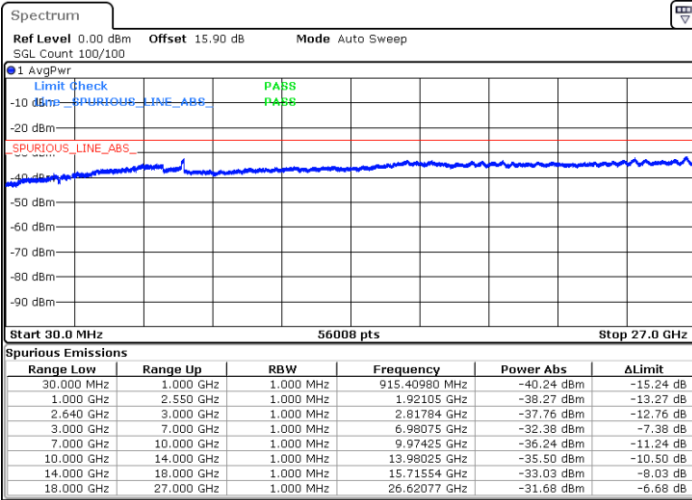
Date: 9.MAR.2020 21:17:23



LTE Band 38(HPUE) / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

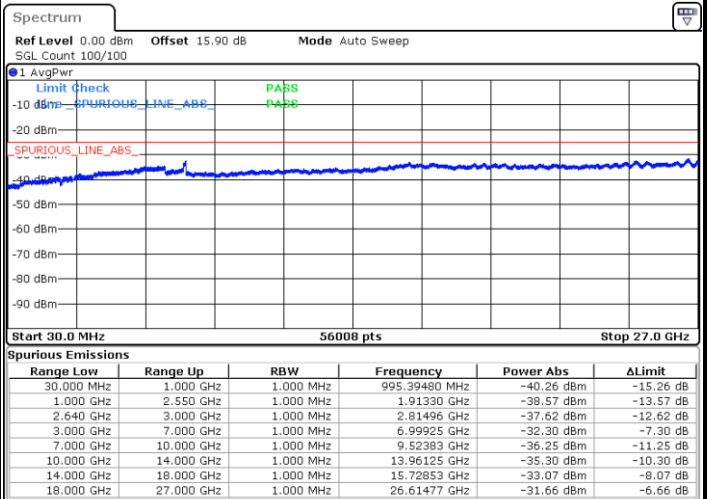
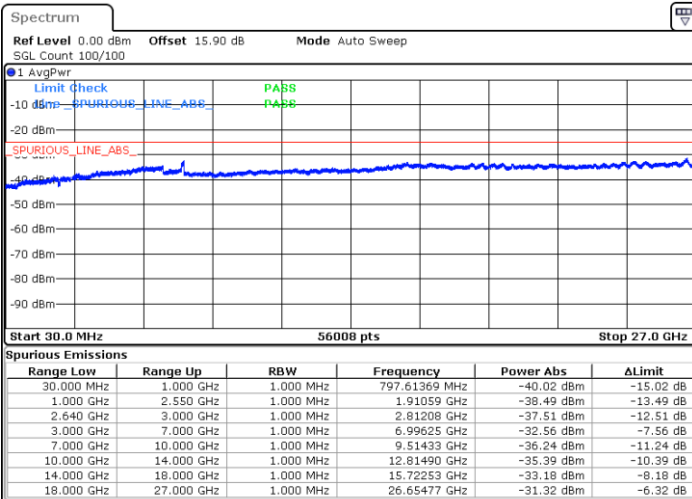


Date: 9.MAR.2020 21:16:48

Date: 9.MAR.2020 21:20:13

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 9.MAR.2020 21:21:39

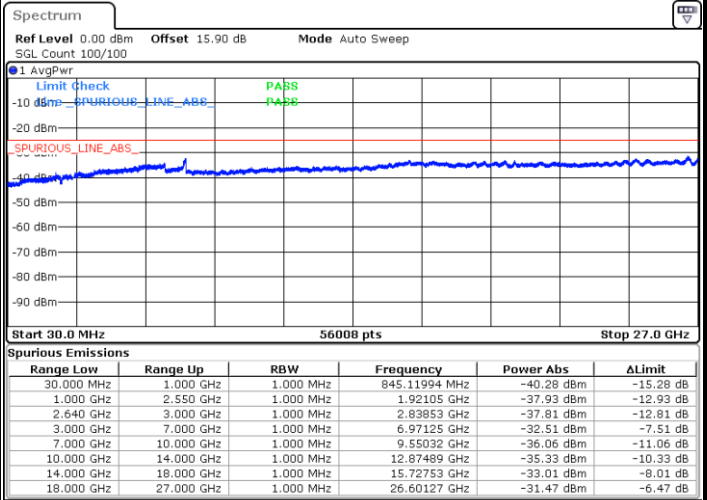
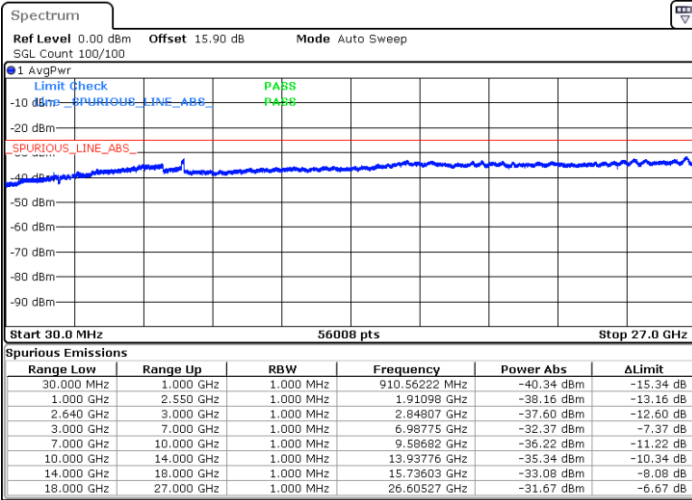
Date: 9.MAR.2020 21:23:05



LTE Band 38(HPUE) / 5MHz

Lowest Channel / 64QAM

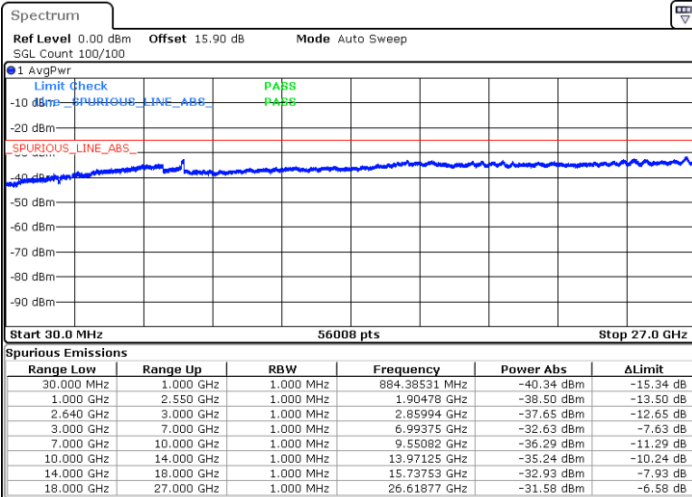
Middle Channel / 64QAM



Date: 9.MAR.2020 20:37:26

Date: 9.MAR.2020 20:38:51

Highest Channel / 64QAM



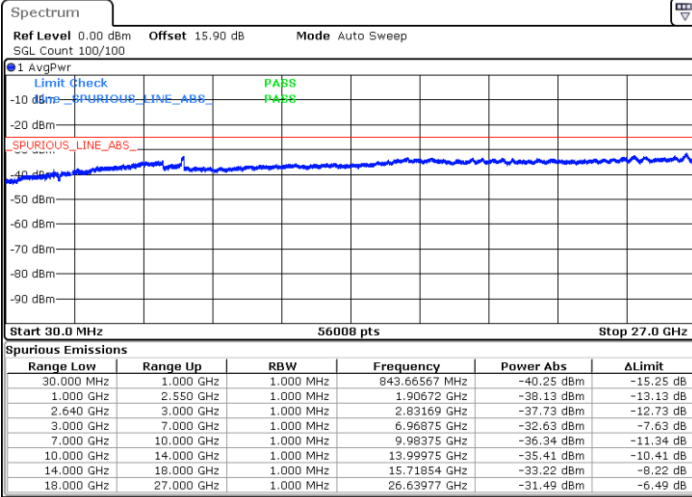
Date: 9.MAR.2020 20:40:16



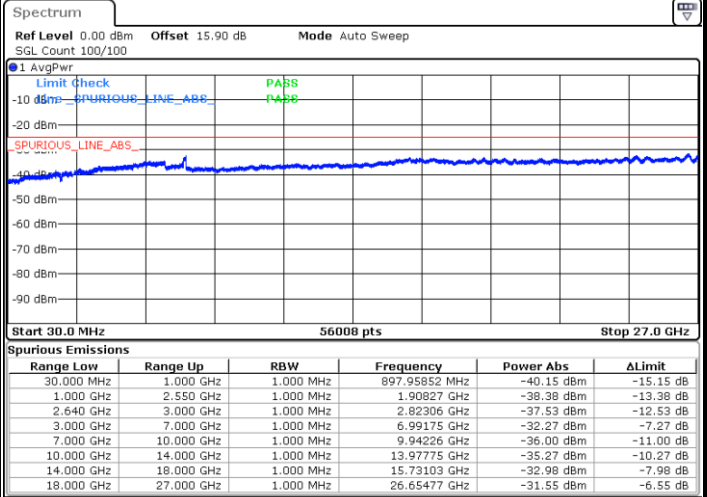
LTE Band 38(HPUE) / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

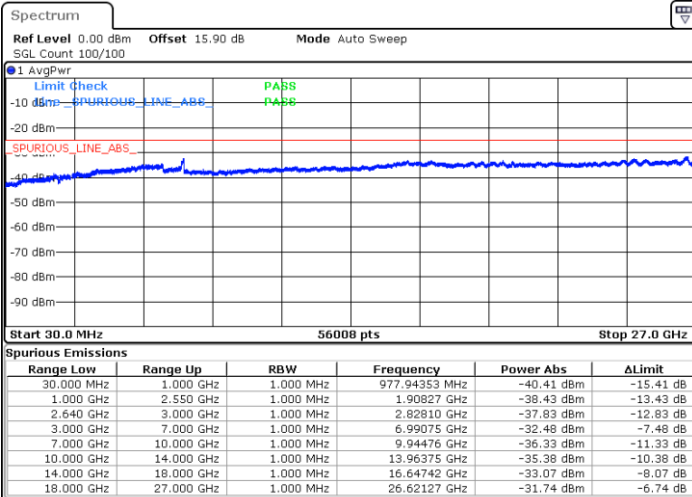


Date: 9.MAR.2020 20:50:16



Date: 9.MAR.2020 20:51:41

Highest Channel / 64QAM



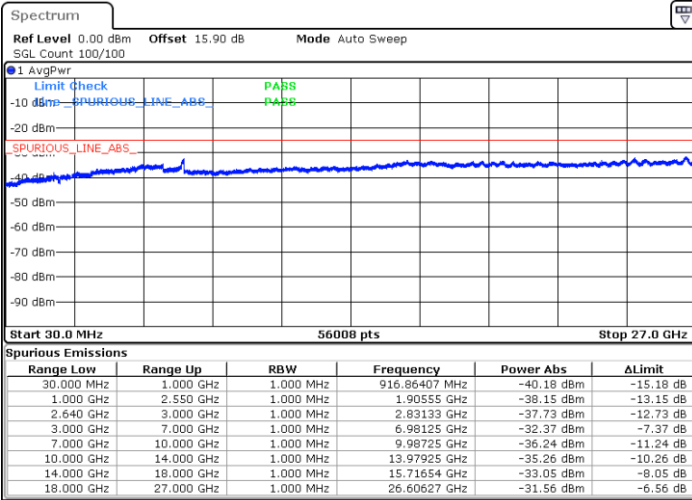
Date: 9.MAR.2020 20:53:06



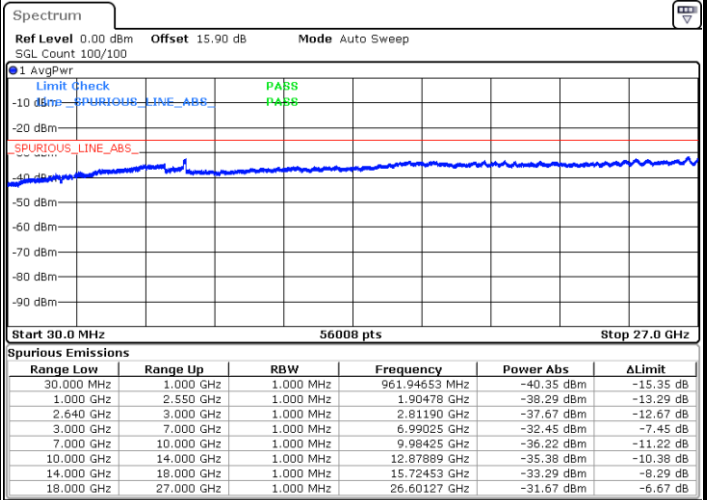
LTE Band 38(HPUE) / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

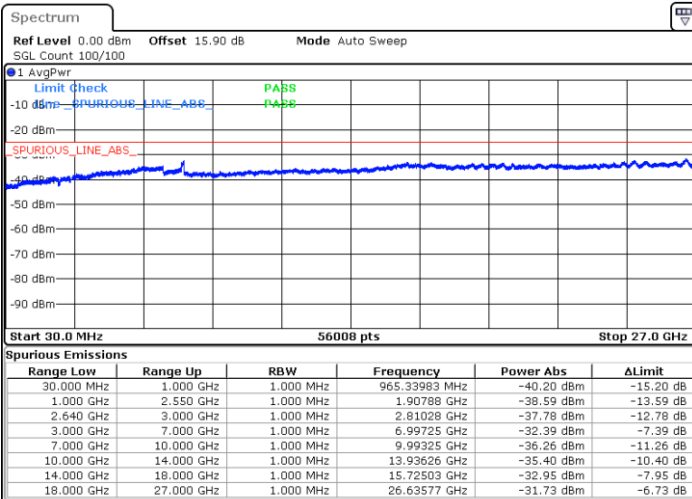


Date: 9.MAR.2020 21:11:39



Date: 9.MAR.2020 21:13:05

Highest Channel / 64QAM



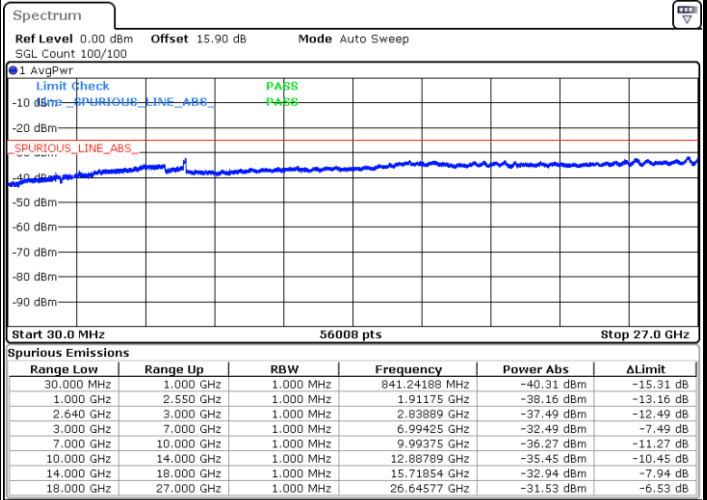
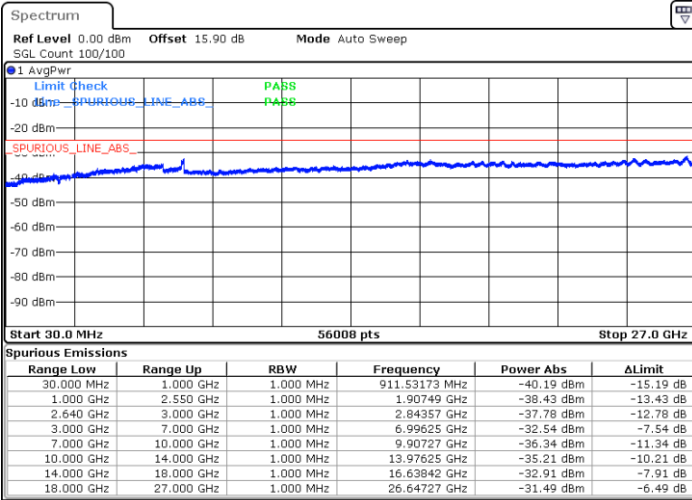
Date: 9.MAR.2020 21:14:30



LTE Band 38(HPUE) / 20MHz

Lowest Channel / 64QAM

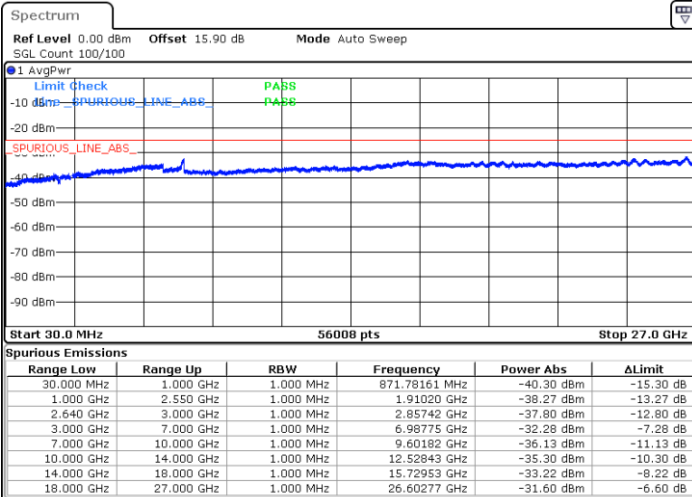
Middle Channel / 64QAM



Date: 9.MAR.2020 21:24:31

Date: 9.MAR.2020 21:25:56

Highest Channel / 64QAM



Date: 9.MAR.2020 21:27:22



Frequency Stability

| Test Conditions | | LTE Band 38(HPUE) (QPSK) / Middle Channel | Limit |
|------------------|-------------------|---|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0004 | PASS |
| 40 | Normal Voltage | 0.0017 | |
| 30 | Normal Voltage | 0.0017 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0024 | |
| 0 | Normal Voltage | 0.0001 | |
| -10 | Normal Voltage | 0.0036 | |
| -20 | Normal Voltage | 0.0016 | |
| -30 | Normal Voltage | 0.0005 | |
| 20 | Maximum Voltage | 0.0024 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0020 | |

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41C

26dB Bandwidth

| Mode | LTE Band 41C : 26dB BW(MHz) | | | | |
|------------|-----------------------------|-------------|-------------|-------------|-------------|
| QPSK | | | | | |
| BW | 5MHz+20MHz | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH | 24.68 | 24.98 | 29.85 | 25.18 | 30.51 |
| Middle CH | 24.63 | 24.93 | 29.73 | 25.18 | 30.45 |
| Highest CH | 24.78 | 25.08 | 29.85 | 24.98 | 30.45 |
| BW | 15MHz+20MHz | 20MHz+5MHz | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH | 34.90 | 24.83 | 30.09 | 35.04 | 39.80 |
| Middle CH | 34.83 | 24.83 | 29.97 | 34.90 | 39.72 |
| Highest CH | 34.83 | 24.88 | 30.15 | 35.04 | 39.72 |

| Mode | LTE Band 41C : 26dB BW(MHz) | | | | |
|------------|-----------------------------|-------------|-------------|-------------|-------------|
| 16QAM | | | | | |
| BW | 5MHz+20MHz | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH | 24.63 | 25.13 | 29.97 | 25.08 | 30.63 |
| Middle CH | 24.73 | 24.98 | 29.91 | 24.98 | 30.63 |
| Highest CH | 24.63 | 25.08 | 29.97 | 25.08 | 30.57 |
| BW | 15MHz+20MHz | 20MHz+5MHz | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH | 34.83 | 24.83 | 30.09 | 34.90 | 39.64 |
| Middle CH | 34.90 | 24.88 | 29.97 | 35.11 | 39.72 |
| Highest CH | 34.76 | 24.83 | 30.03 | 35.04 | 39.88 |

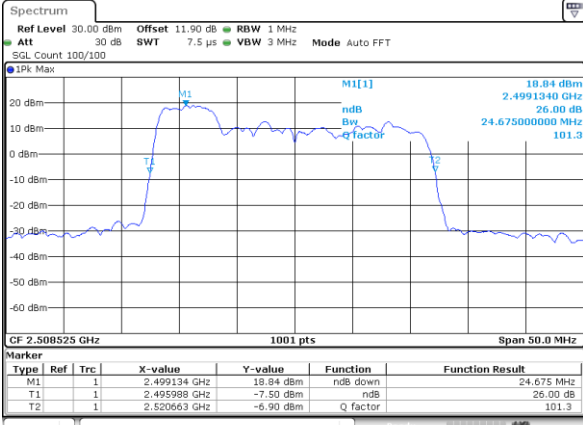
| Mode | LTE Band 41C : 26dB BW(MHz) | | | | |
|------------|-----------------------------|-------------|-------------|-------------|-------------|
| 64QAM | | | | | |
| BW | 5MHz+20MHz | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Lowest CH | 24.58 | 25.08 | 29.85 | 25.18 | 30.63 |
| Middle CH | 24.63 | 25.08 | 29.67 | 25.38 | 30.51 |
| Highest CH | 24.68 | 24.98 | 29.79 | 25.13 | 30.45 |
| BW | 15MHz+20MHz | 20MHz+5MHz | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Lowest CH | 34.76 | 24.68 | 30.03 | 34.90 | 39.72 |
| Middle CH | 34.83 | 24.88 | 29.91 | 34.90 | 39.80 |
| Highest CH | 34.76 | 24.78 | 30.09 | 34.83 | 39.72 |



LTE Band 41C

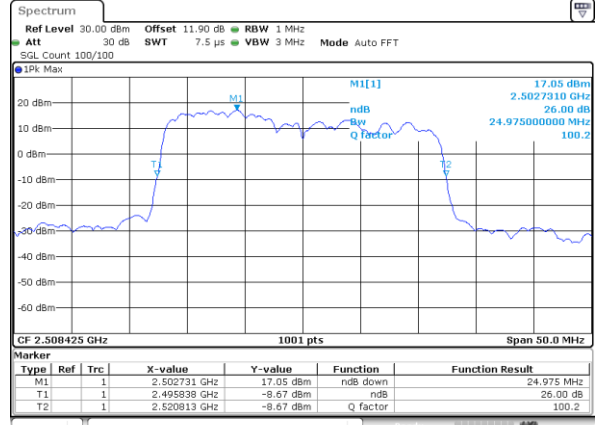
QPSK

Lowest Channel / 5MHz+20MHz



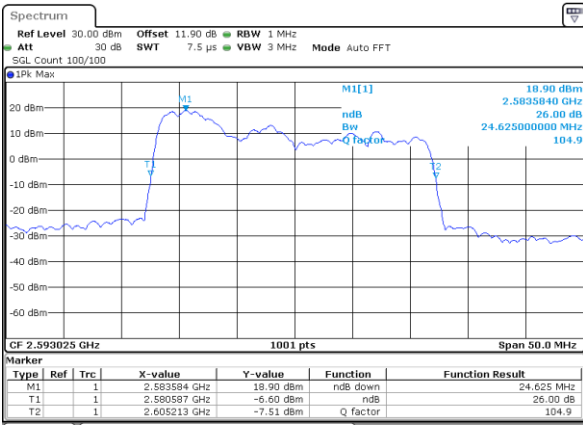
Date: 14.FEB.2020 09:23:57

Lowest Channel / 10MHz+15MHz



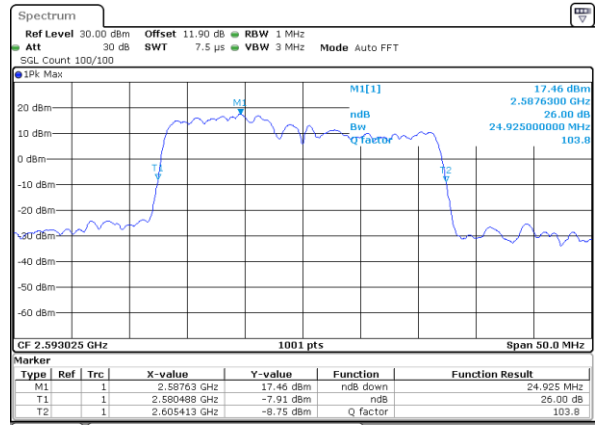
Date: 14.FEB.2020 06:57:53

Middle Channel / 5MHz+20MHz



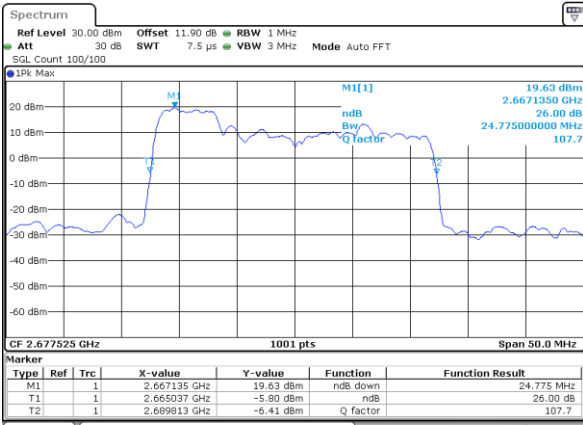
Date: 14.FEB.2020 09:27:09

Middle Channel / 10MHz+15MHz



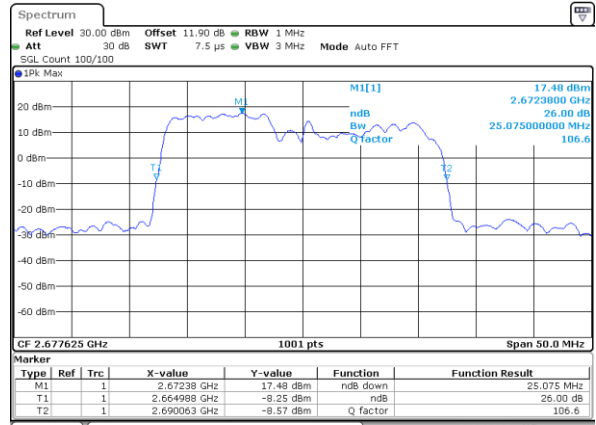
Date: 14.FEB.2020 07:02:21

Highest Channel / 5MHz+20MHz



Date: 14.FEB.2020 09:19:31

Highest Channel / 10MHz+15MHz



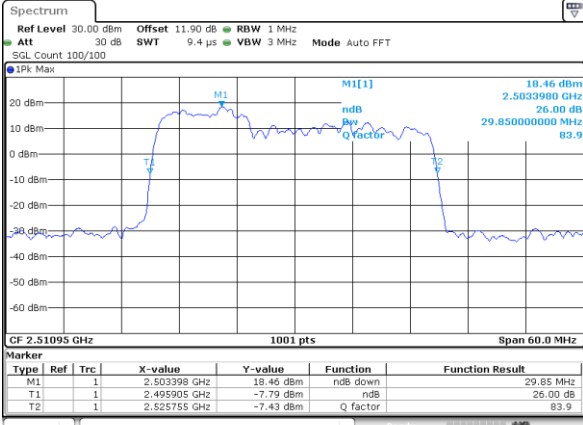
Date: 14.FEB.2020 07:43:43



LTE Band 41C

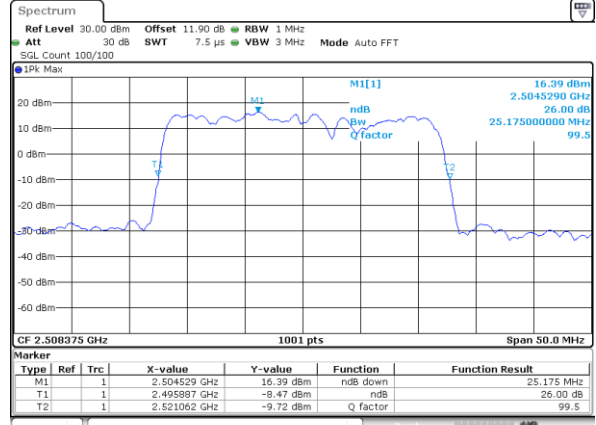
QPSK

Lowest Channel / 10MHz+20MHz



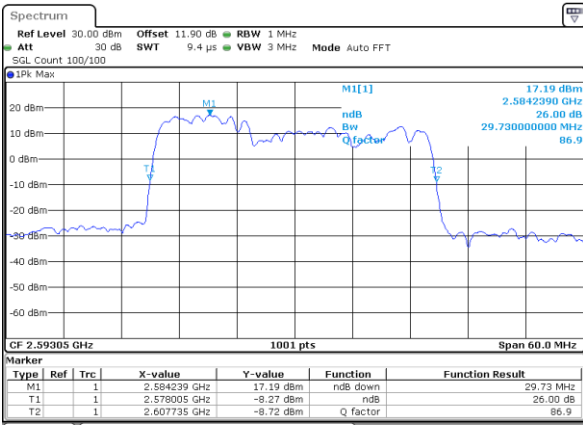
Date: 14.FEB.2020 17:14:56

Lowest Channel / 15MHz+10MHz



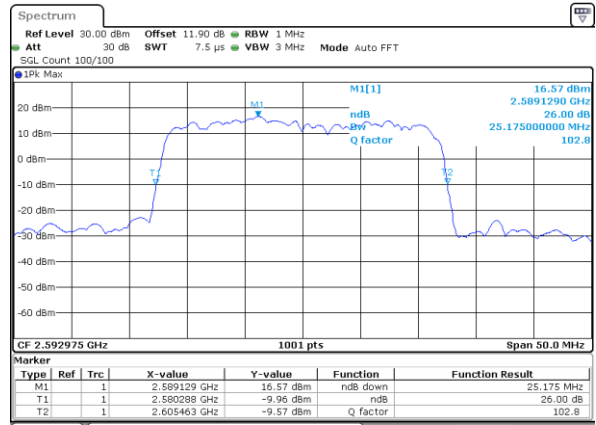
Date: 14.FEB.2020 07:48:30

Middle Channel / 10MHz+20MHz



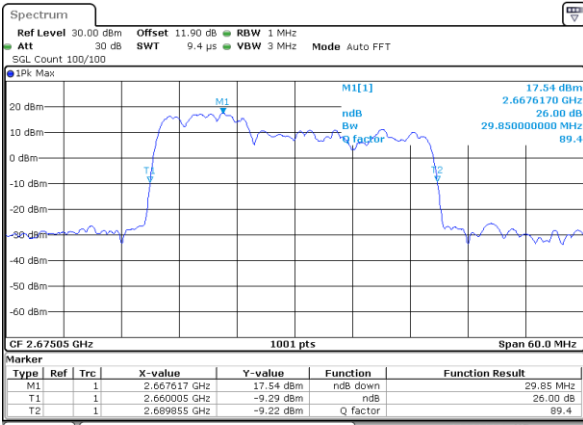
Date: 15.FEB.2020 05:02:29

Middle Channel / 15MHz+10MHz



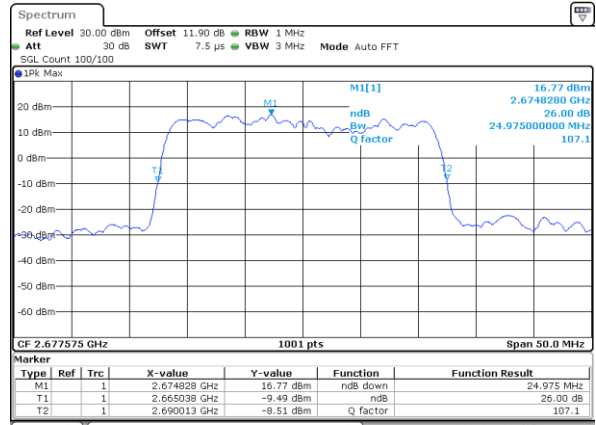
Date: 14.FEB.2020 08:42:03

Highest Channel / 10MHz+20MHz



Date: 15.FEB.2020 05:44:28

Highest Channel / 15MHz+10MHz



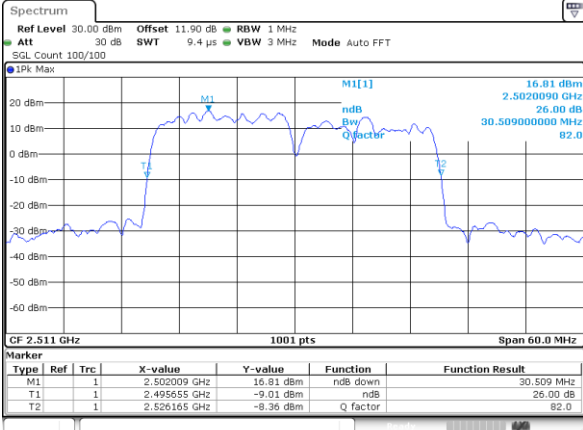
Date: 14.FEB.2020 08:44:46



LTE Band 41C

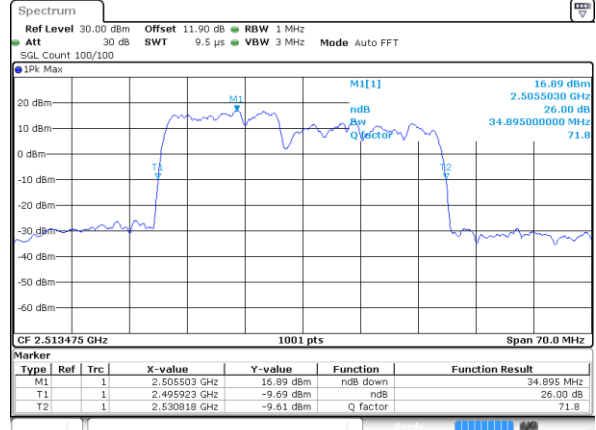
QPSK

Lowest Channel / 15MHz+15MHz



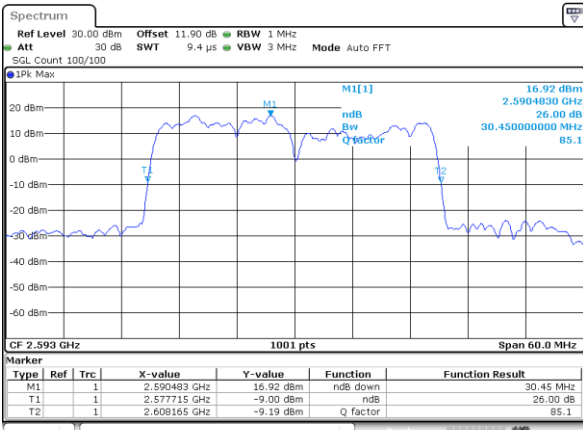
Date: 15.FEB.2020 07:19:27

Lowest Channel / 15MHz+20MHz



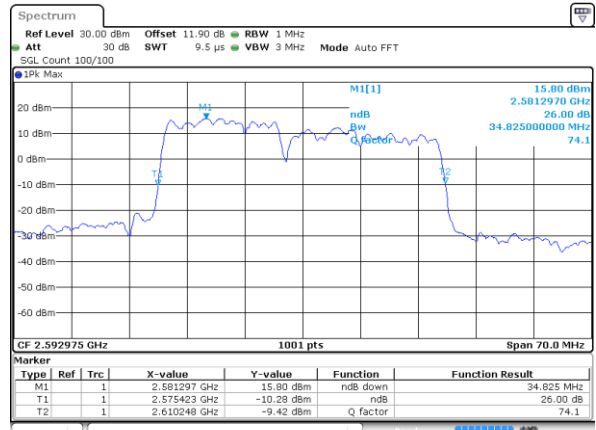
Date: 19 FEB 2020 03:59:09

Middle Channel / 15MHz+15MHz



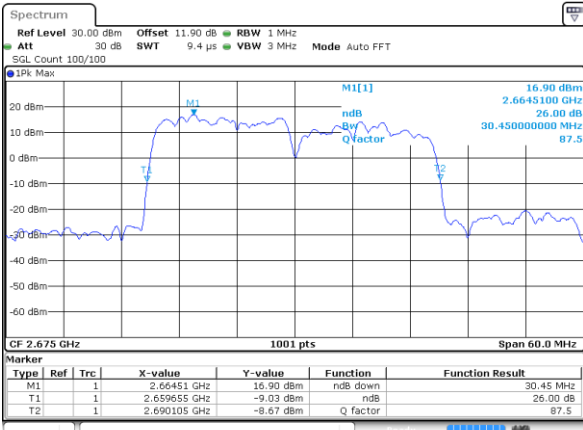
Date: 15.FEB.2020 08:16:24

Middle Channel / 15MHz+20MHz



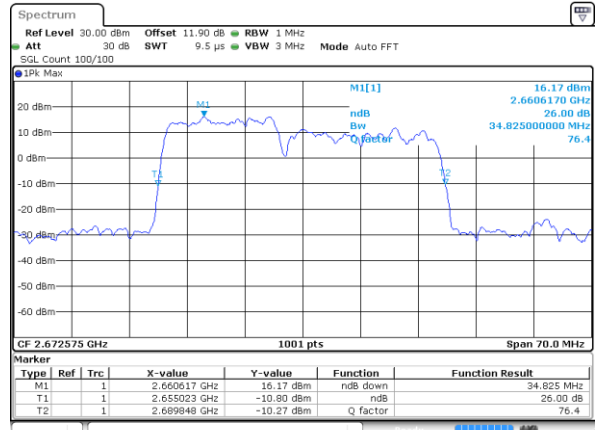
Date: 19 FEB 2020 04:08:40

Highest Channel / 15MHz+15MHz



Date: 19 FEB 2020 03:17:22

Highest Channel / 15MHz+20MHz



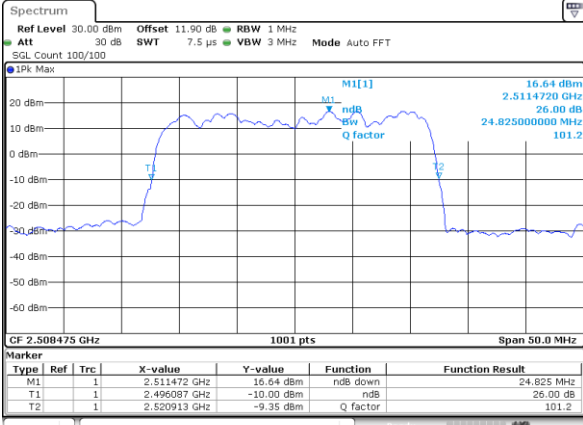
Date: 19 FEB 2020 04:39:30



LTE Band 41C

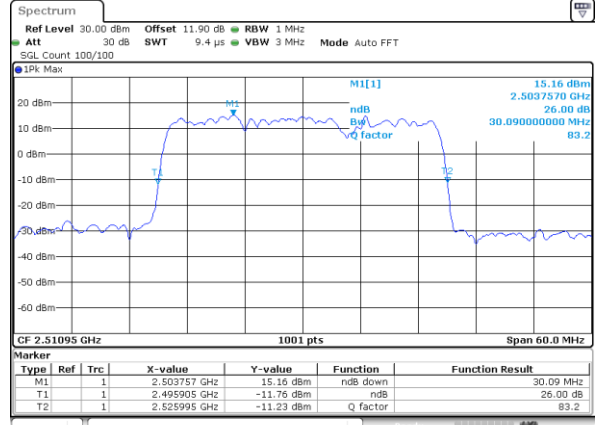
QPSK

Lowest Channel / 20MHz+5MHz



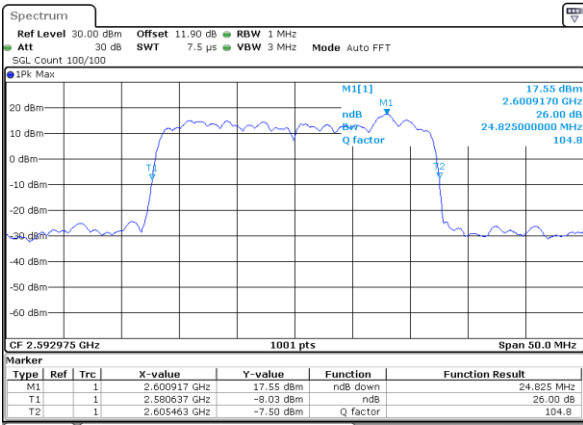
Date: 14.FEB.2020 05:21:45

Lowest Channel / 20MHz+10MHz



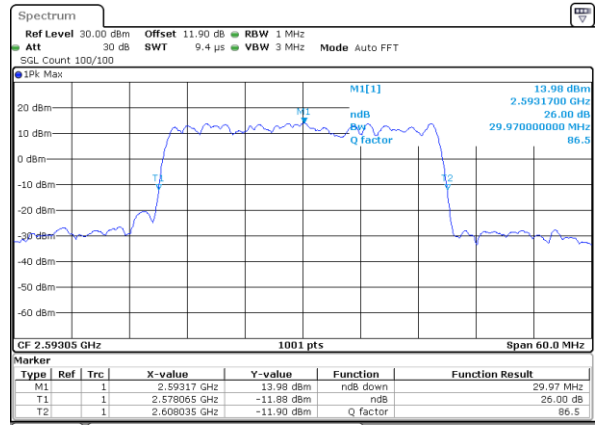
Date: 15.FEB.2020 06:21:33

Middle Channel / 20MHz+5MHz



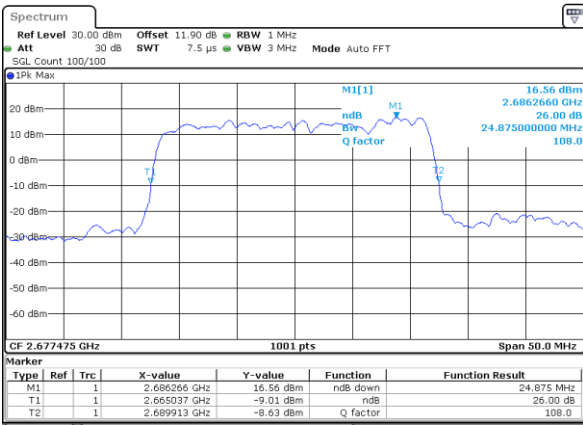
Date: 14.FEB.2020 06:02:04

Middle Channel / 20MHz+10MHz



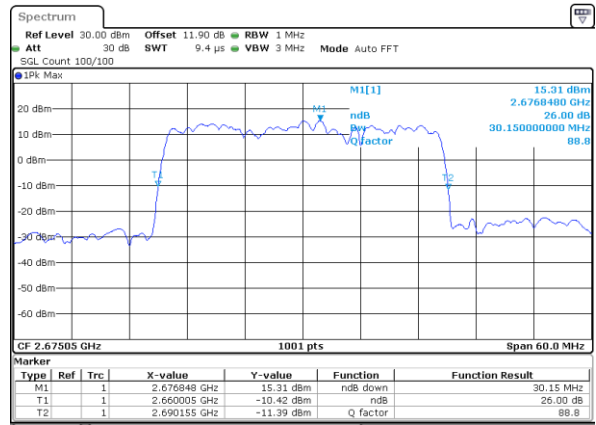
Date: 15.FEB.2020 06:25:16

Highest Channel / 20MHz+5MHz



Date: 14.FEB.2020 06:04:25

Highest Channel / 20MHz+10MHz



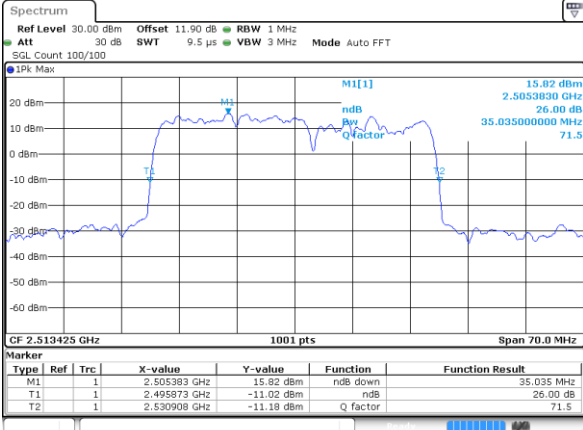
Date: 15.FEB.2020 07:12:56



LTE Band 41C

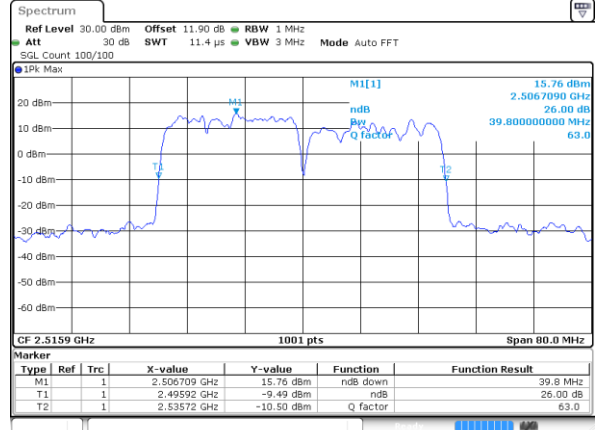
QPSK

Lowest Channel / 20MHz+15MHz



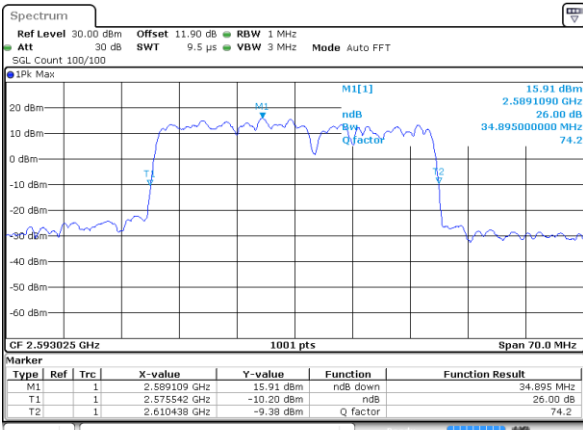
Date: 19 FEB 2020 04:46:37

Lowest Channel / 20MHz+20MHz



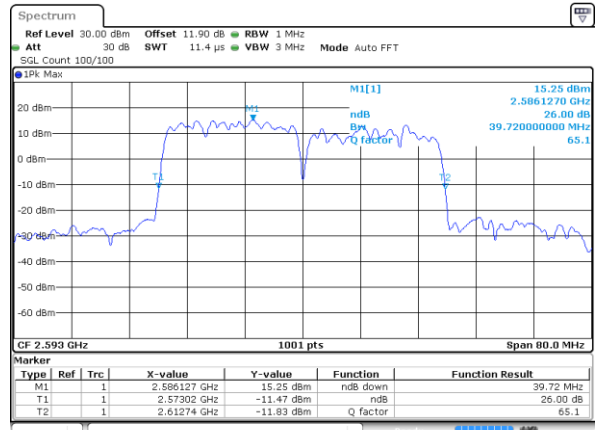
Date: 19 FEB 2020 06:10:24

Middle Channel / 20MHz+15MHz



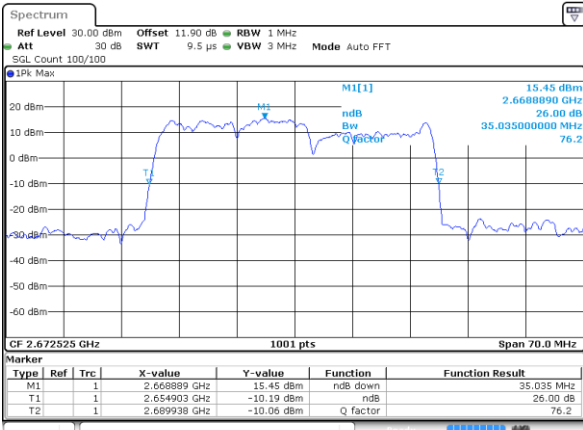
Date: 19 FEB 2020 05:17:36

Middle Channel / 20MHz+20MHz



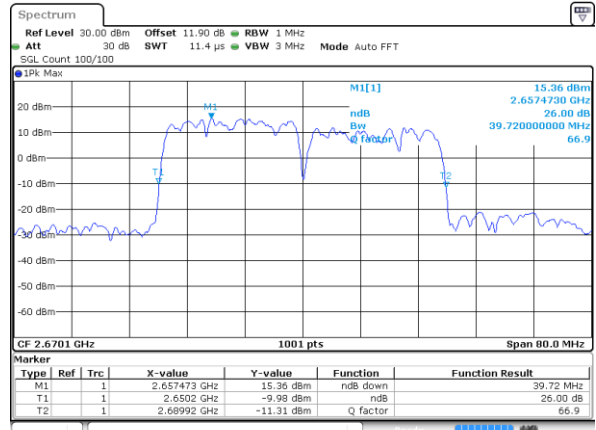
Date: 19 FEB 2020 06:13:36

Highest Channel / 20MHz+15MHz



Date: 19 FEB 2020 05:22:37

Highest Channel / 20MHz+20MHz



Date: 19 FEB 2020 06:51:16