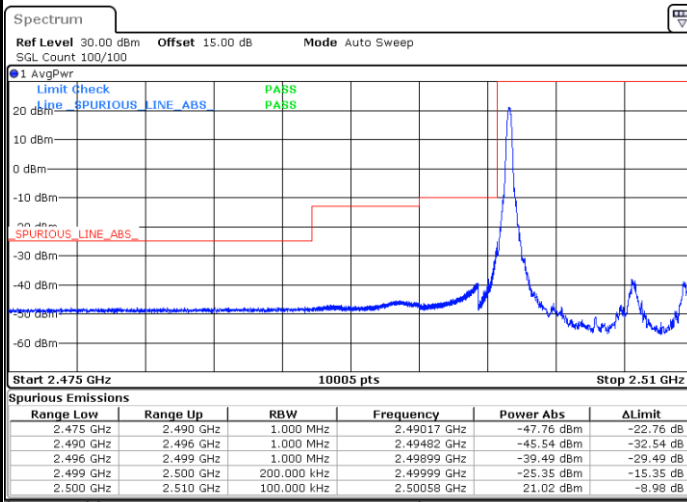




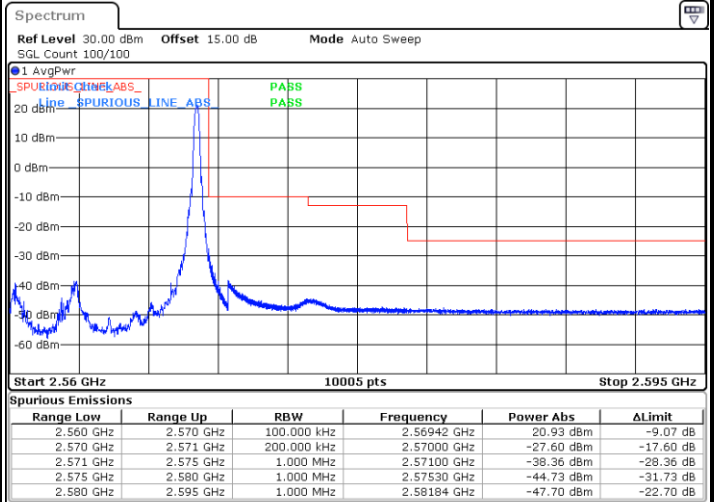
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



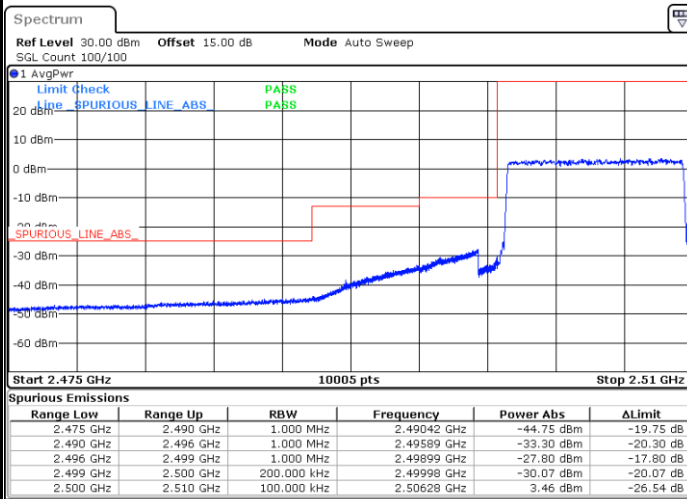
Date: 12.FEB.2021 14:40:24

Highest Band Edge / 1 RB



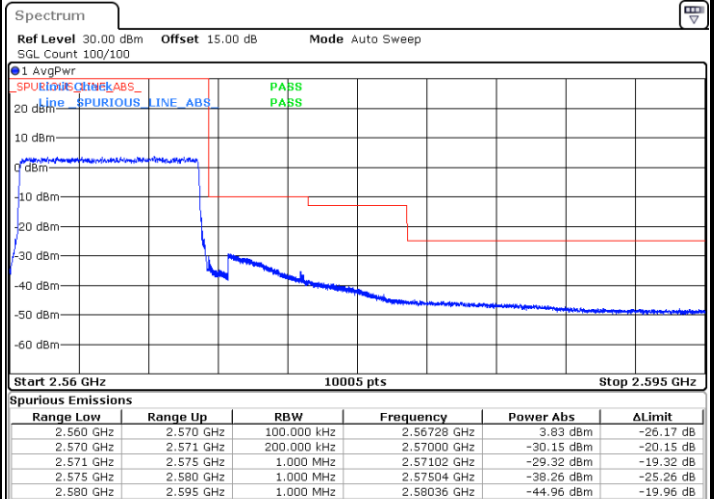
Date: 12.FEB.2021 14:48:20

Lowest Band Edge / Full RB



Date: 12.FEB.2021 14:41:52

Highest Band Edge / Full RB

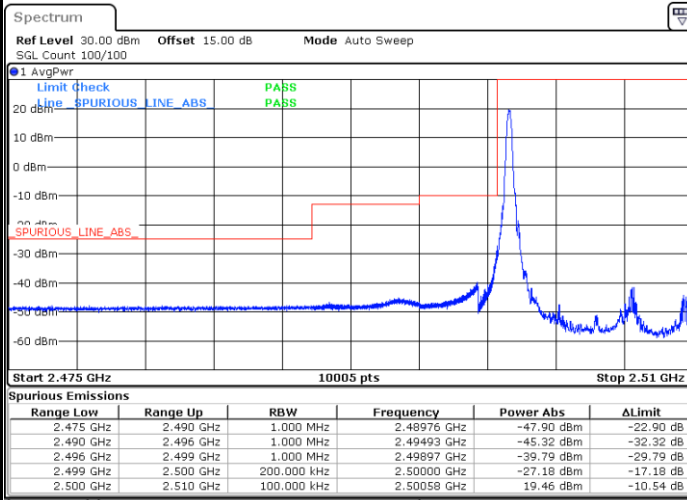


Date: 12.FEB.2021 14:49:48



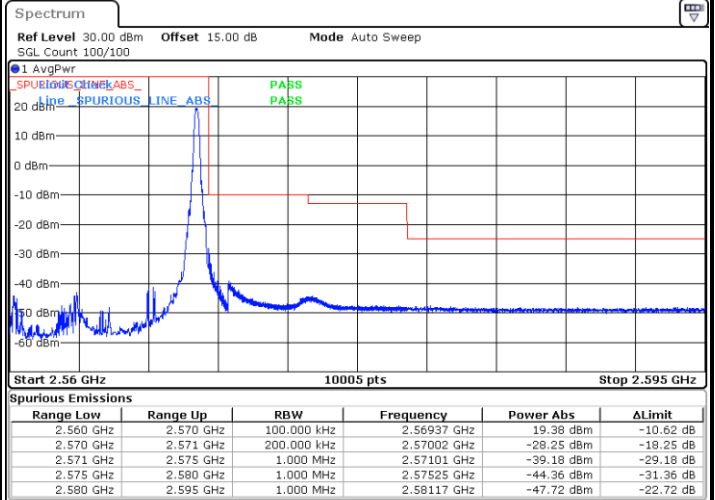
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



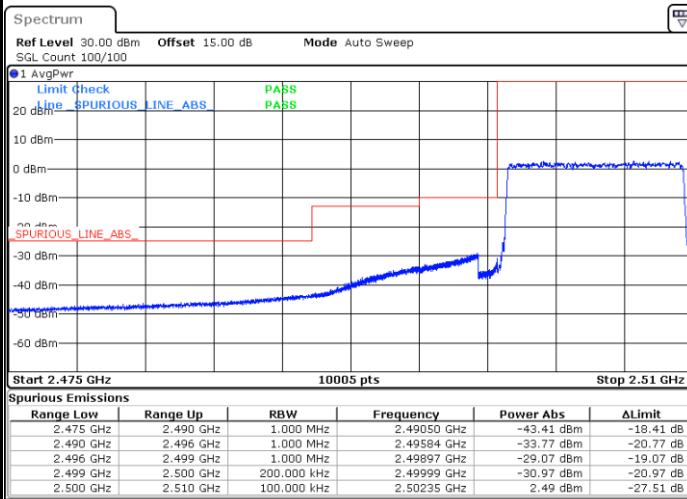
Date: 12.FEB.2021 14:41:08

Highest Band Edge / 1 RB



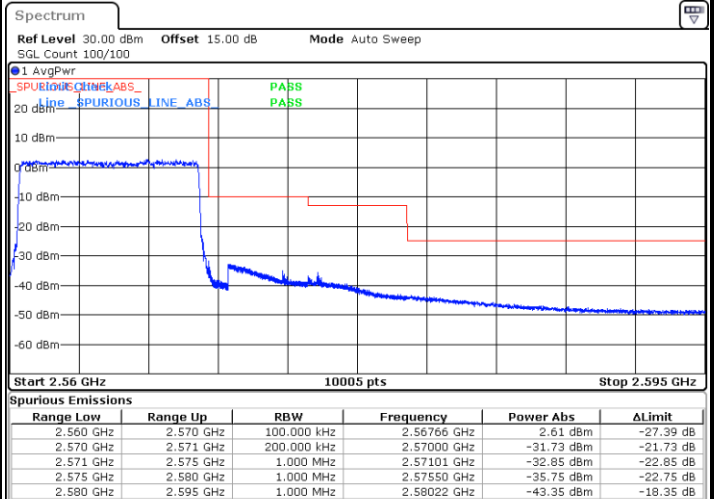
Date: 12.FEB.2021 14:49:04

Lowest Band Edge / Full RB



Date: 12.FEB.2021 14:42:36

Highest Band Edge / Full RB



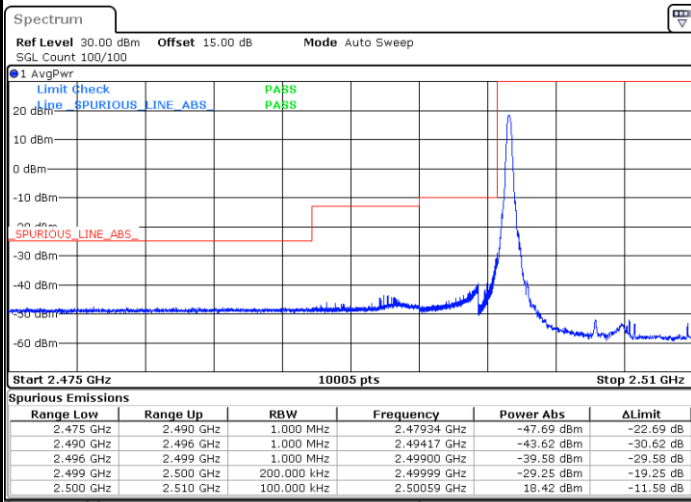
Date: 12.FEB.2021 14:50:33



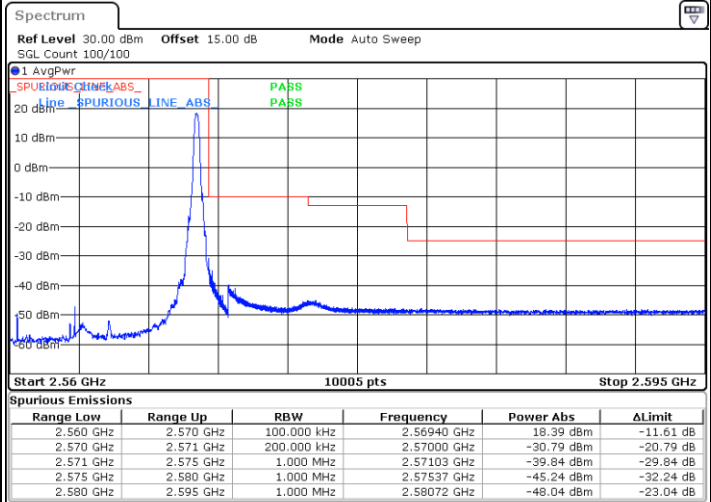
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



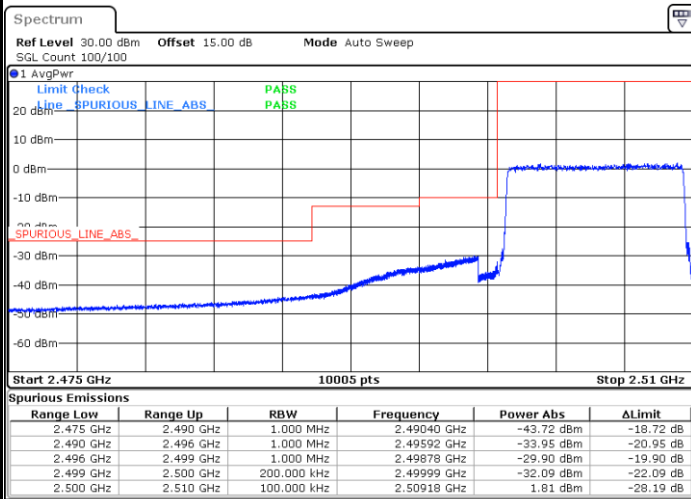
Date: 12.FEB.2021 14:53:41



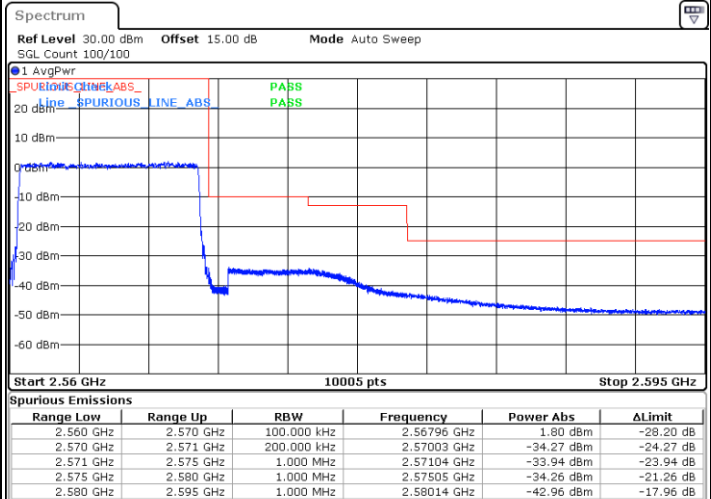
Date: 12.FEB.2021 14:57:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.FEB.2021 14:54:25

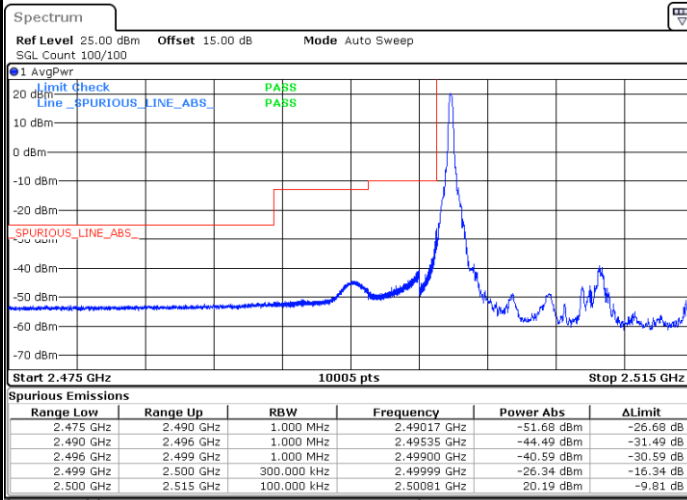


Date: 12.FEB.2021 14:58:23



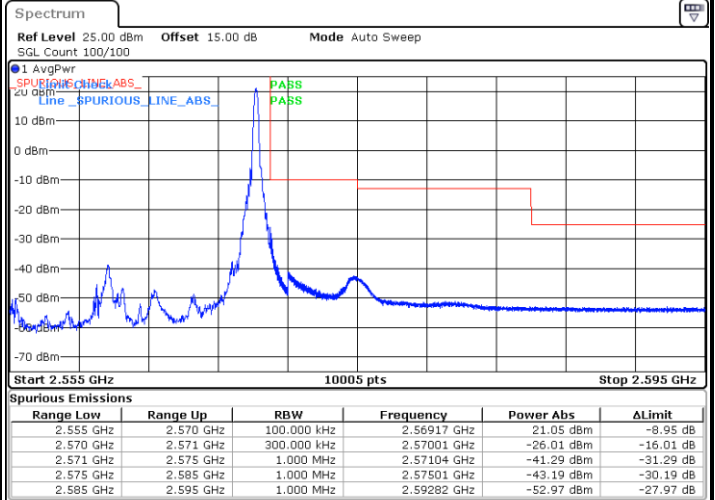
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



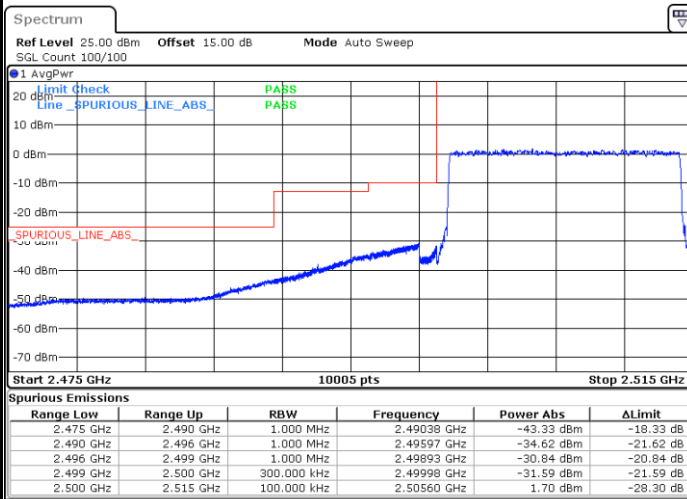
Date: 12.FEB.2021 15:00:44

Highest Band Edge / 1 RB



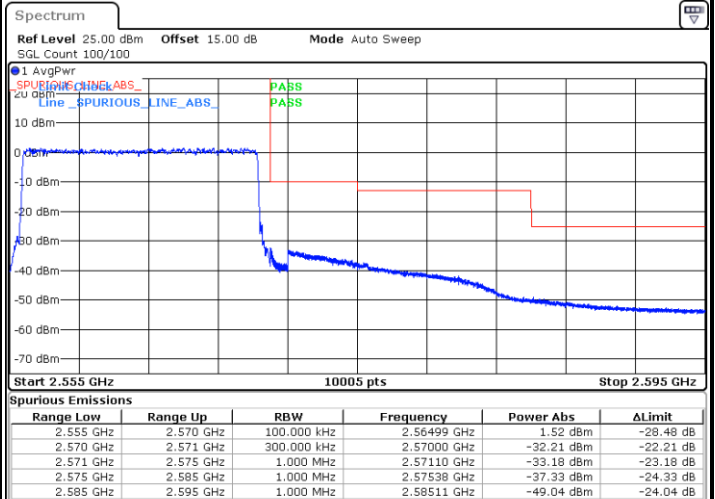
Date: 12.FEB.2021 15:09:25

Lowest Band Edge / Full RB



Date: 12.FEB.2021 15:02:13

Highest Band Edge / Full RB

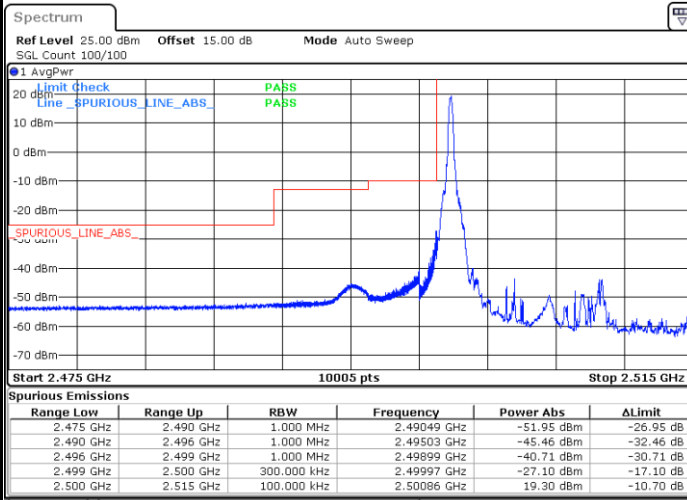


Date: 12.FEB.2021 15:10:54



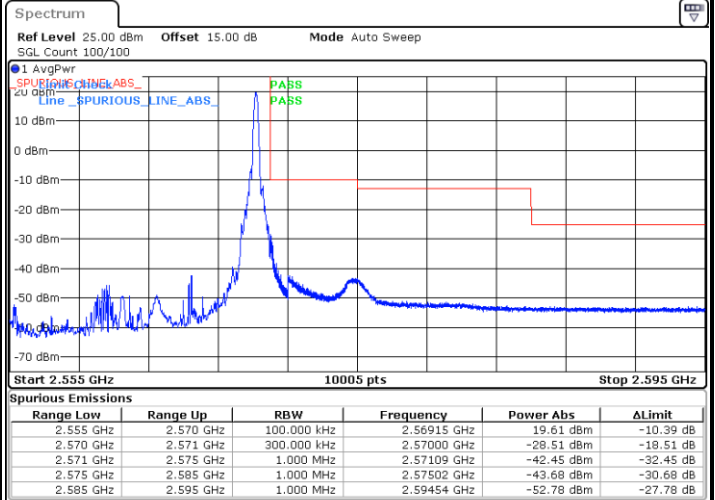
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



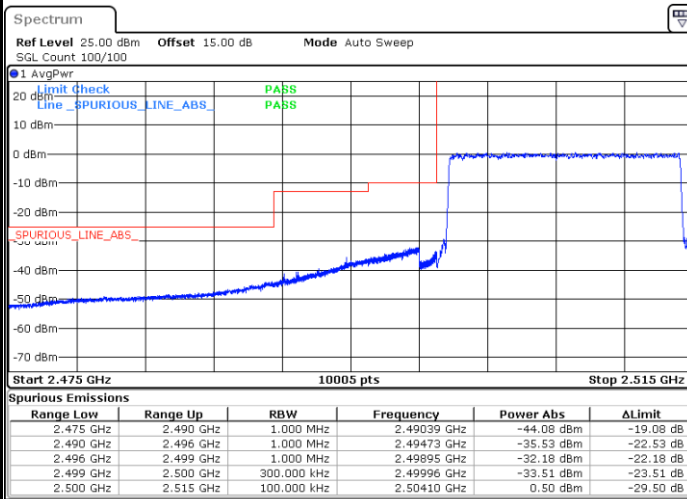
Date: 12.FEB.2021 15:01:28

Highest Band Edge / 1 RB



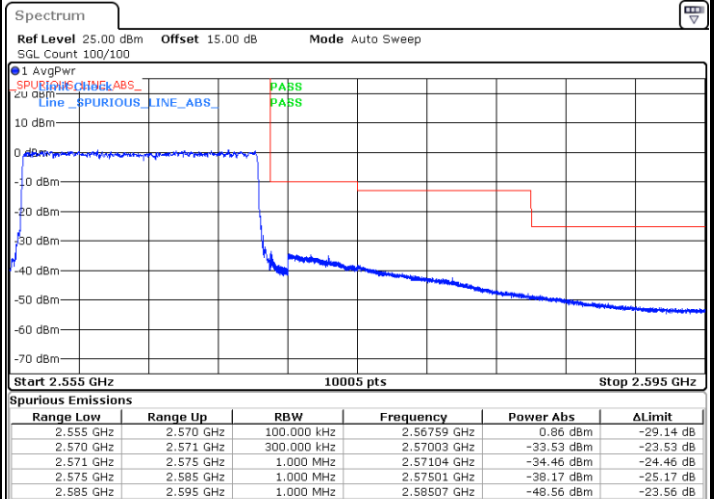
Date: 12.FEB.2021 15:10:09

Lowest Band Edge / Full RB



Date: 12.FEB.2021 15:02:57

Highest Band Edge / Full RB

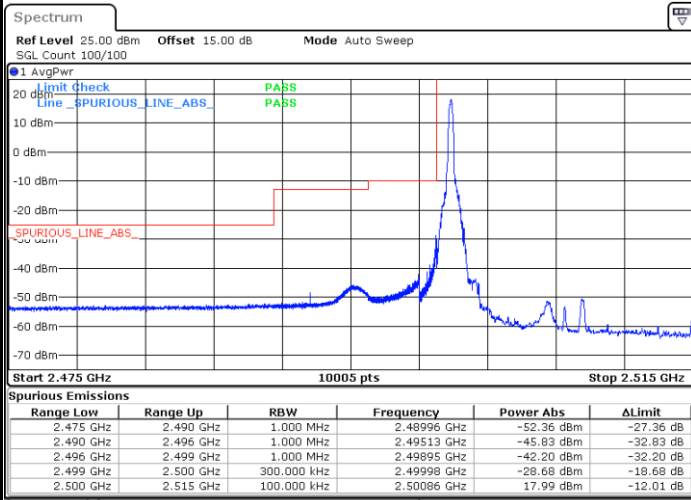


Date: 12.FEB.2021 15:11:38



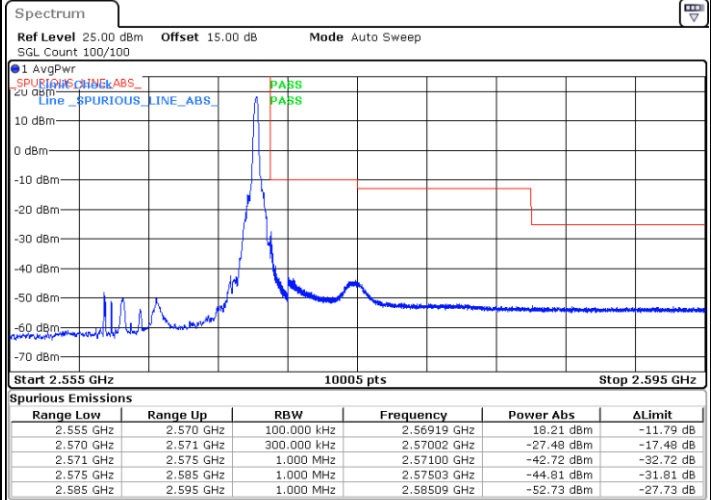
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



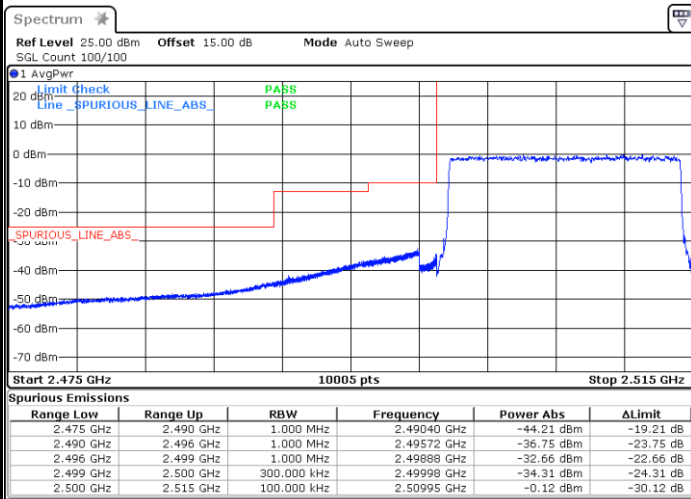
Date: 12.FEB.2021 15:14:30

Highest Band Edge / 1 RB



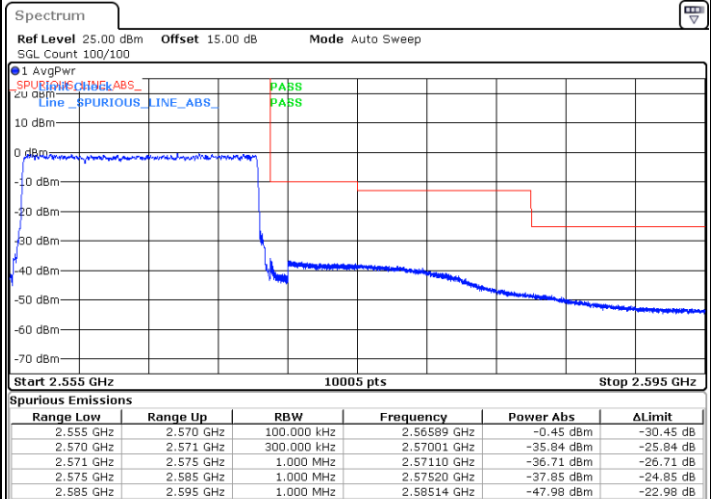
Date: 12.FEB.2021 15:18:42

Lowest Band Edge / Full RB



Date: 12.FEB.2021 15:15:28

Highest Band Edge / Full RB

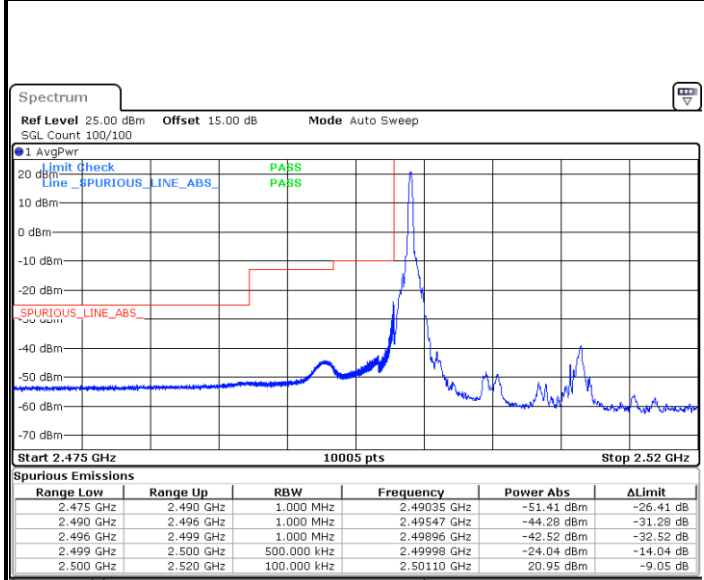


Date: 12.FEB.2021 15:19:26



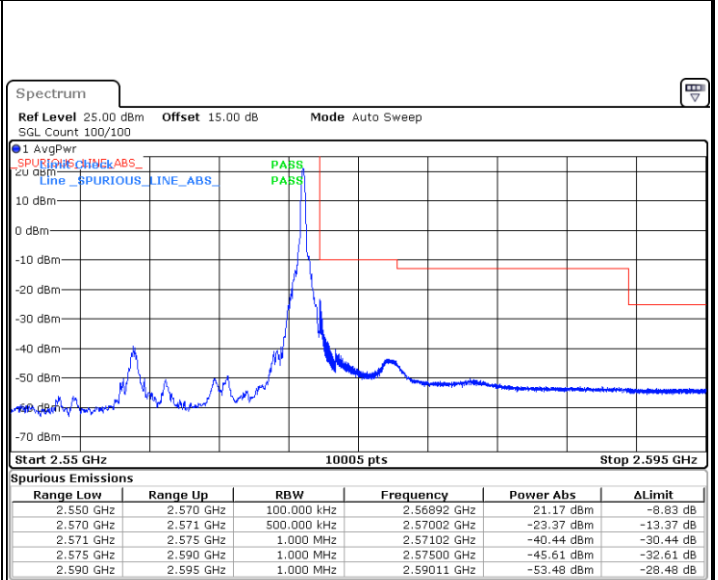
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



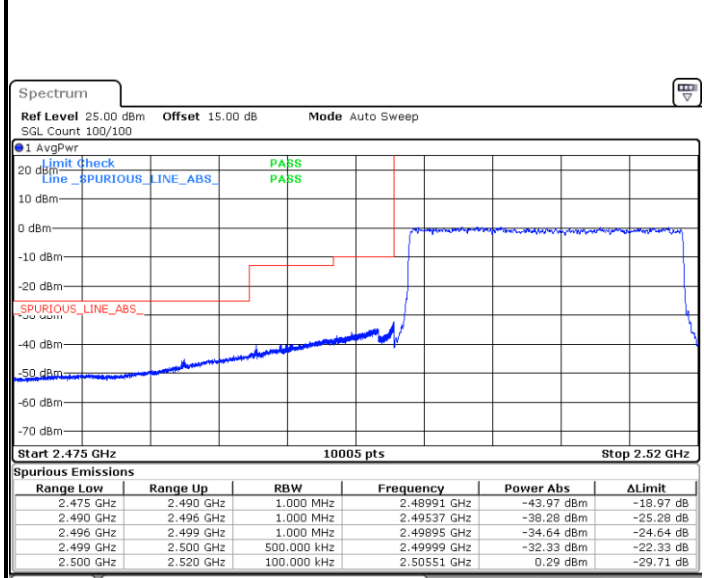
Date: 12.FEB.2021 15:21:47

Highest Band Edge / 1 RB



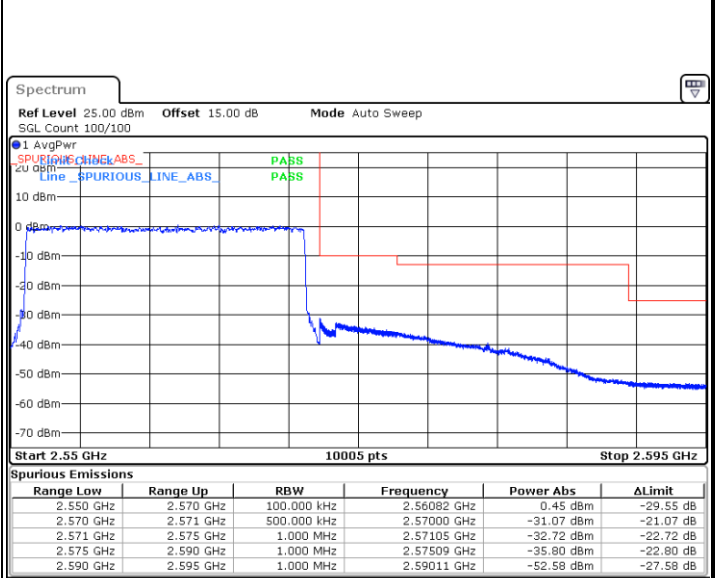
Date: 12.FEB.2021 15:31:53

Lowest Band Edge / Full RB



Date: 12.FEB.2021 15:23:15

Highest Band Edge / Full RB

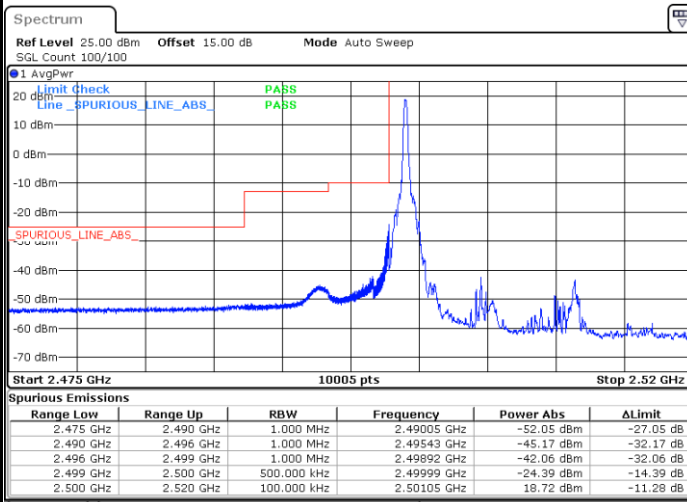


Date: 12.FEB.2021 15:34:05



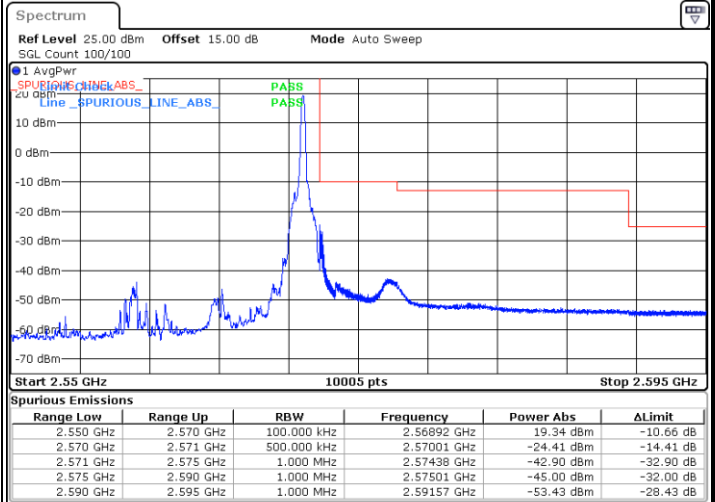
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



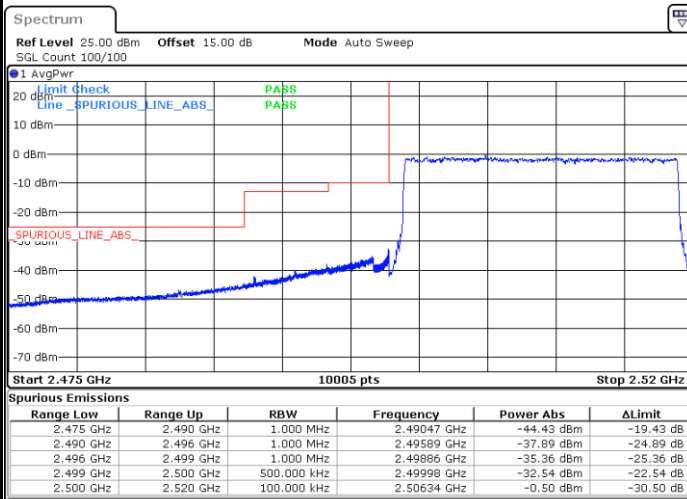
Date: 12.FEB.2021 15:22:31

Highest Band Edge / 1RB



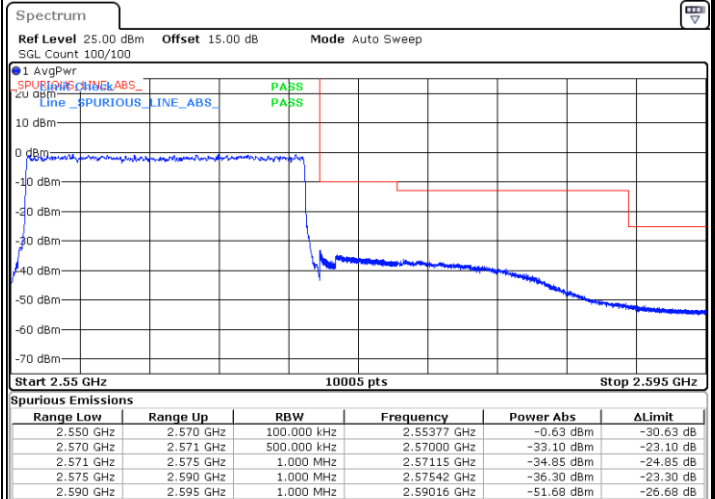
Date: 12.FEB.2021 15:32:37

Lowest Band Edge / Full RB



Date: 12.FEB.2021 15:24:00

Highest Band Edge / Full RB

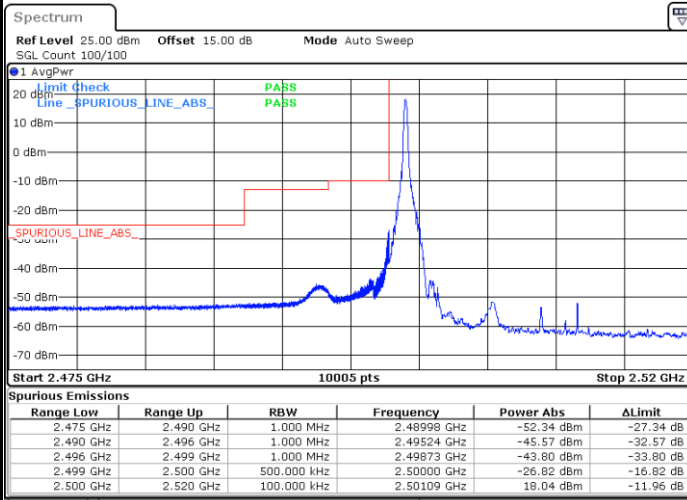


Date: 12.FEB.2021 15:33:21



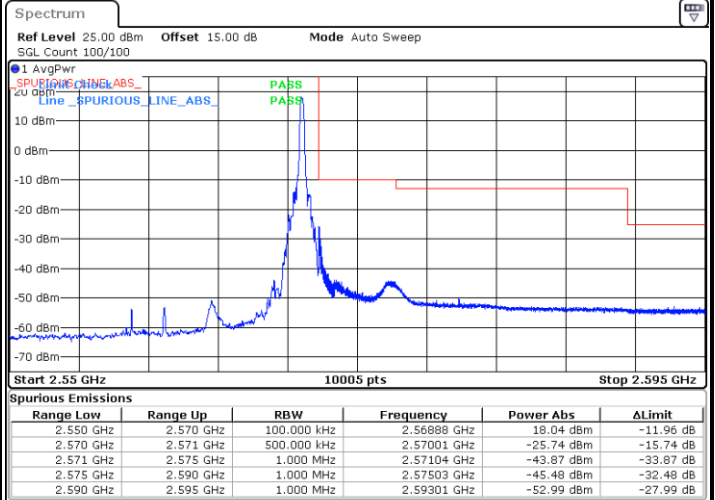
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



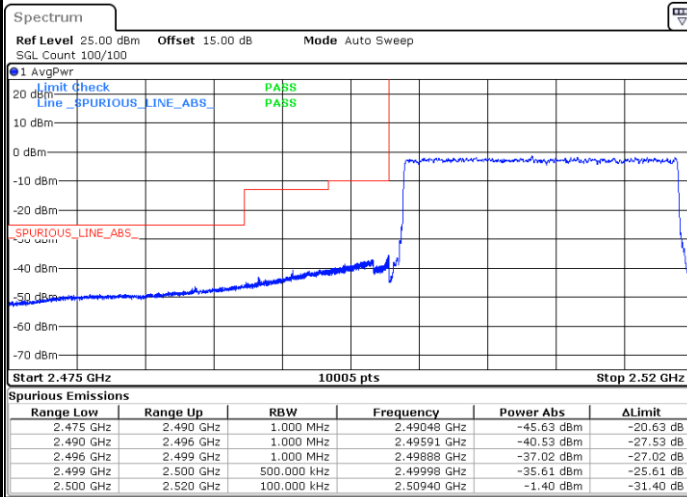
Date: 12.FEB.2021 15:37:37

Highest Band Edge / 1 RB



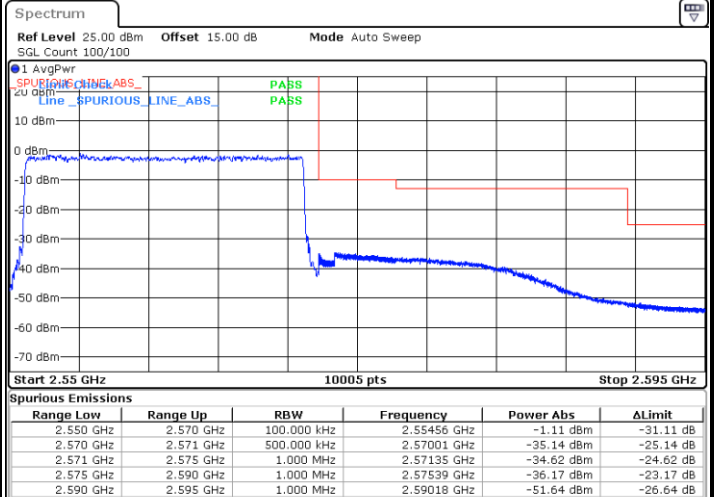
Date: 12.FEB.2021 15:45:37

Lowest Band Edge / Full RB



Date: 12.FEB.2021 15:38:22

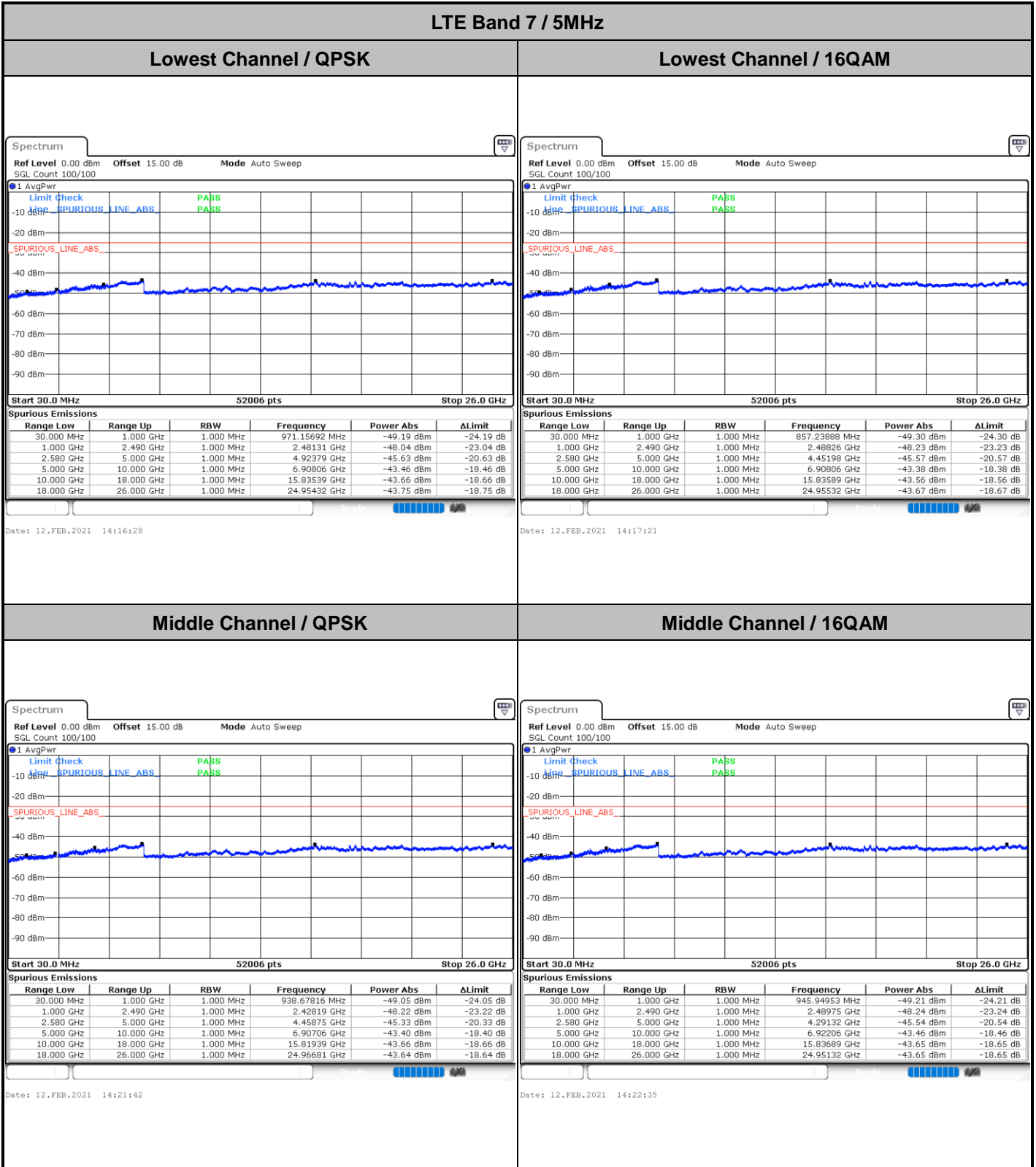
Highest Band Edge / Full RB



Date: 12.FEB.2021 15:46:21



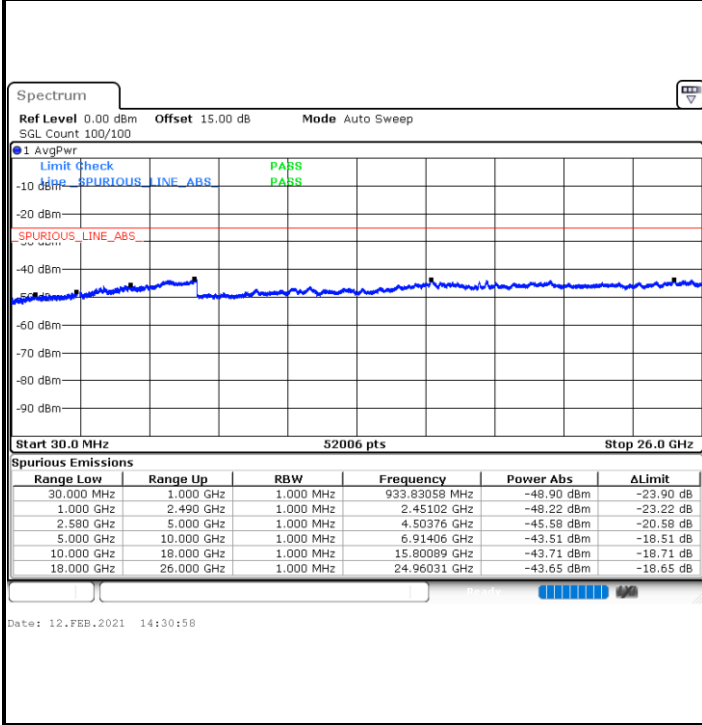
Conducted Spurious Emission



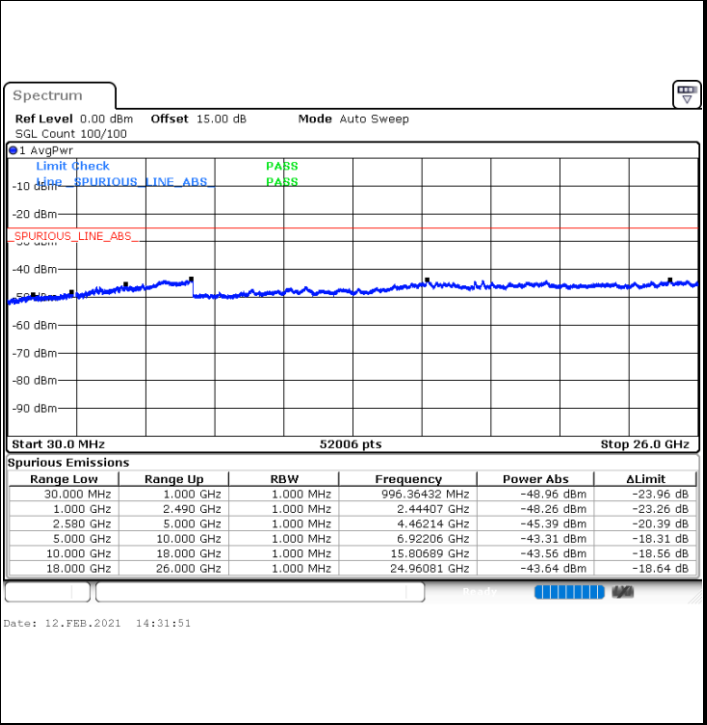


LTE Band 7 / 5MHz

Highest Channel / QPSK

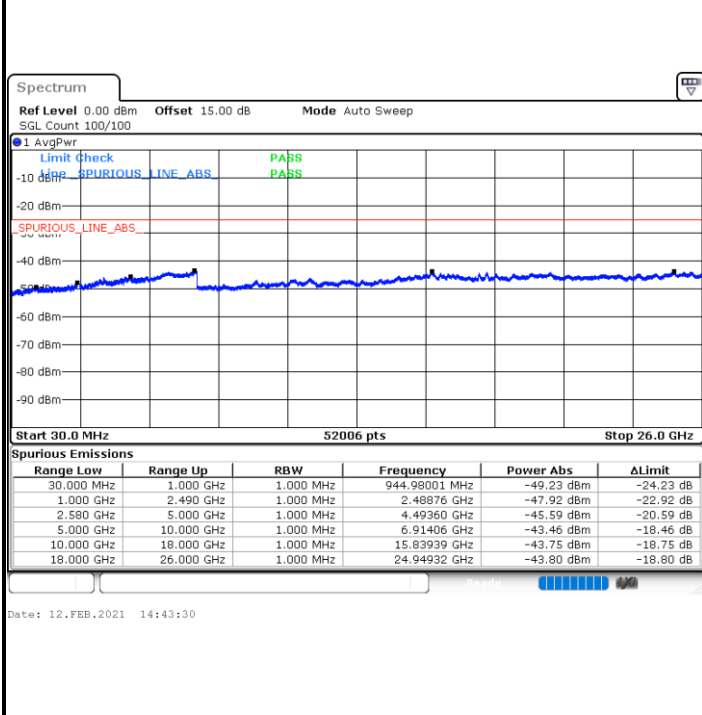


Highest Channel / 16QAM

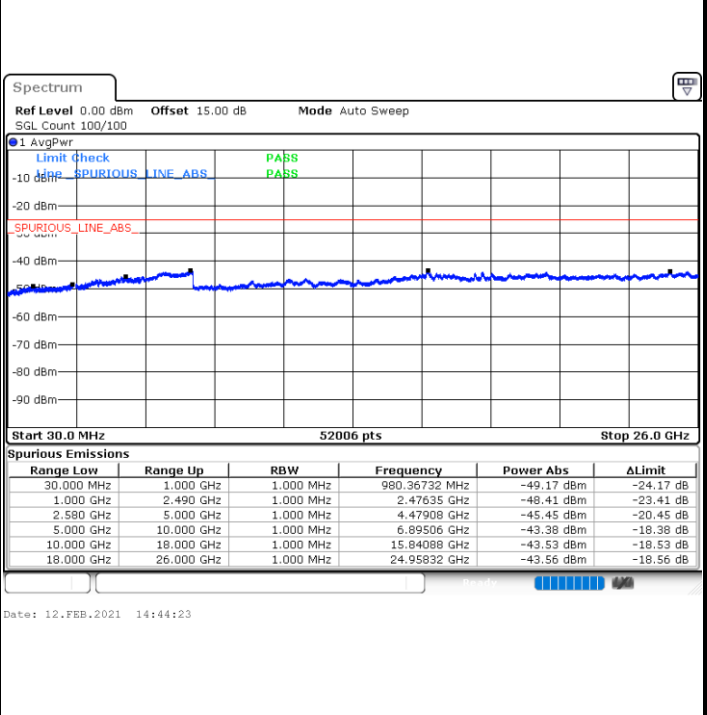


LTE Band 7 / 10MHz

Lowest Channel / QPSK



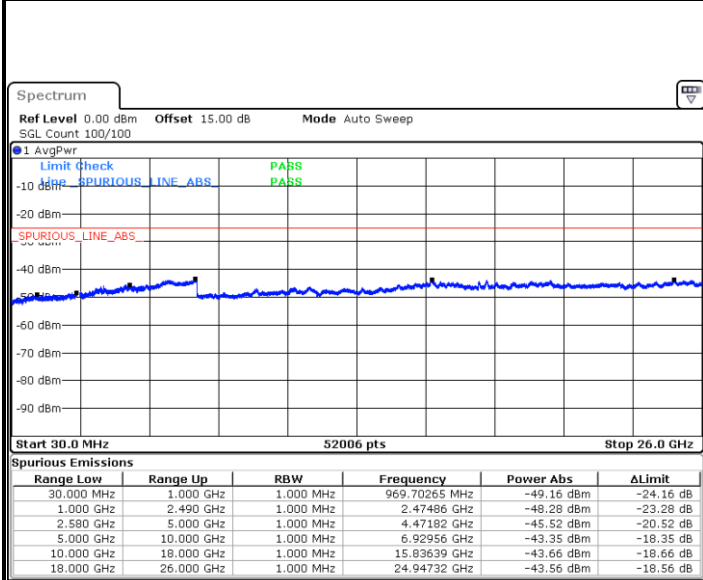
Lowest Channel / 16QAM





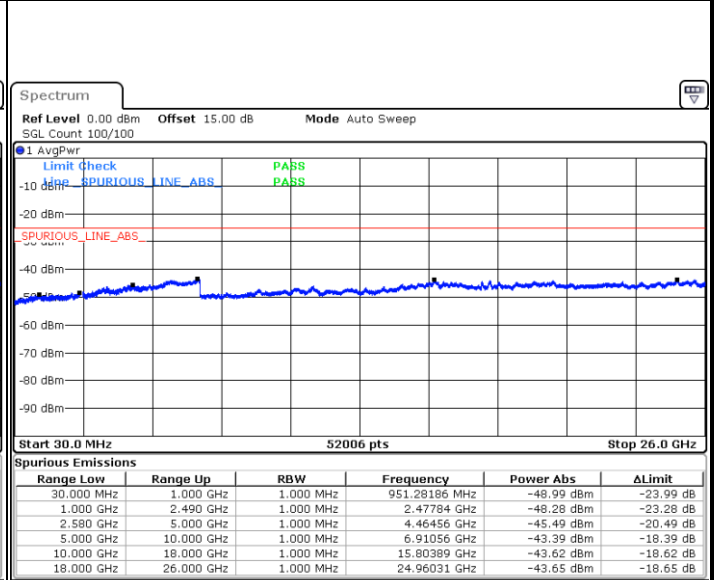
LTE Band 7 / 10MHz

Middle Channel / QPSK



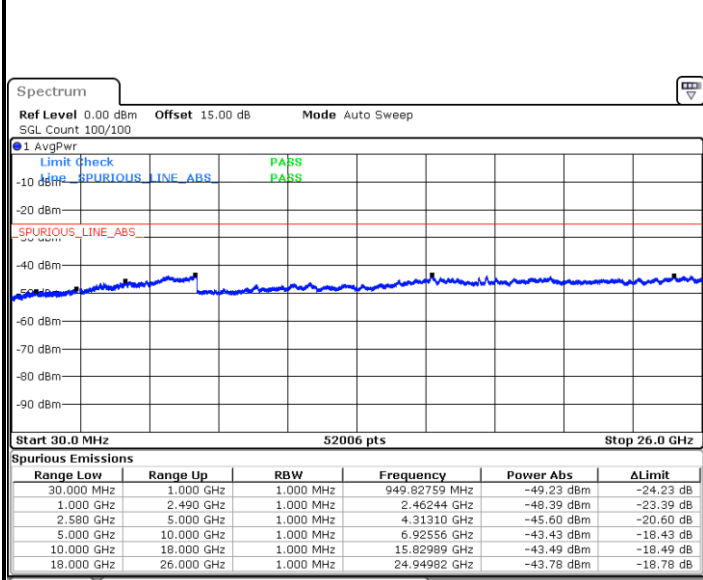
Date: 12.FEB.2021 14:46:00

Middle Channel / 16QAM



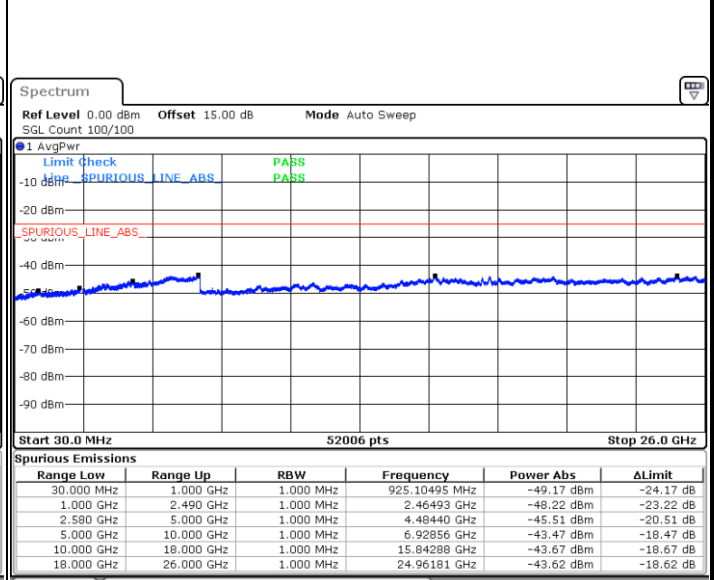
Date: 12.FEB.2021 14:46:53

Highest Channel / QPSK



Date: 12.FEB.2021 14:51:26

Highest Channel / 16QAM



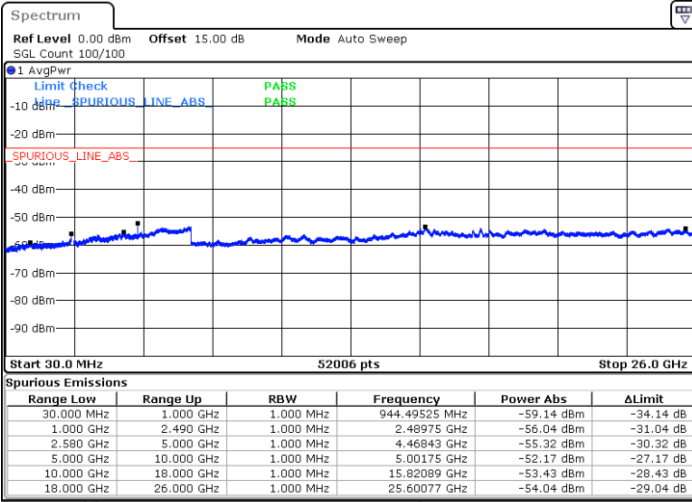
Date: 12.FEB.2021 14:52:19



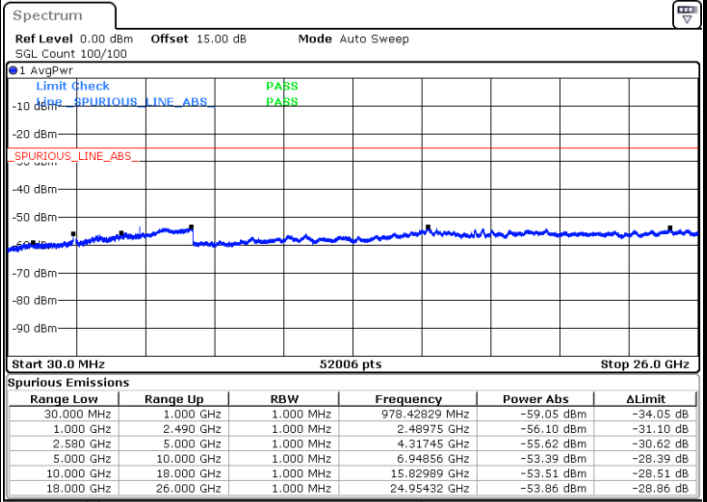
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



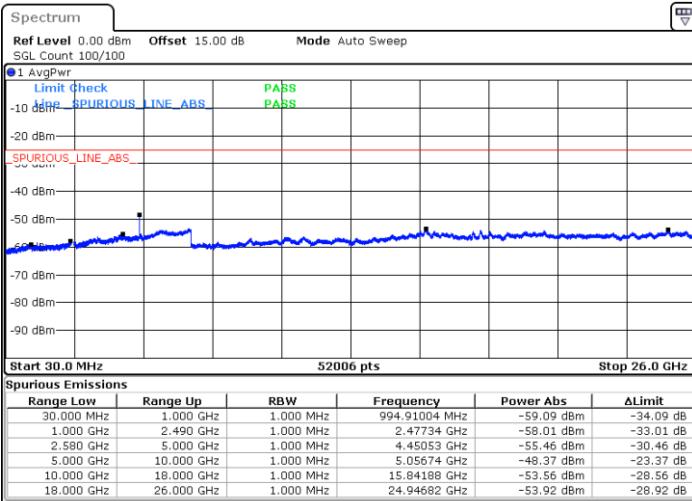
Date: 12.FEB.2021 15:03:50



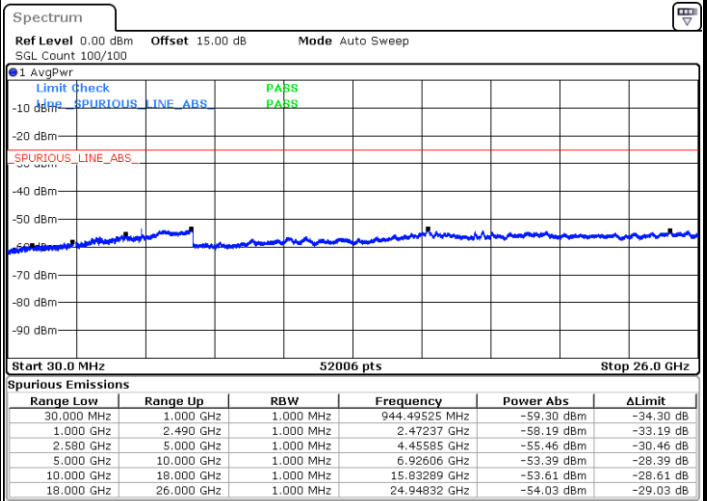
Date: 12.FEB.2021 15:04:44

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 12.FEB.2021 15:06:20

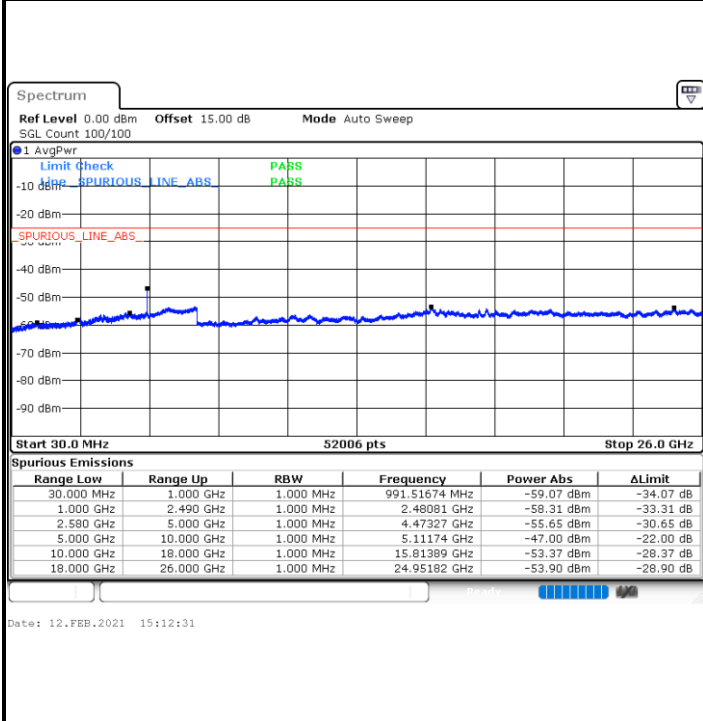


Date: 12.FEB.2021 15:07:14

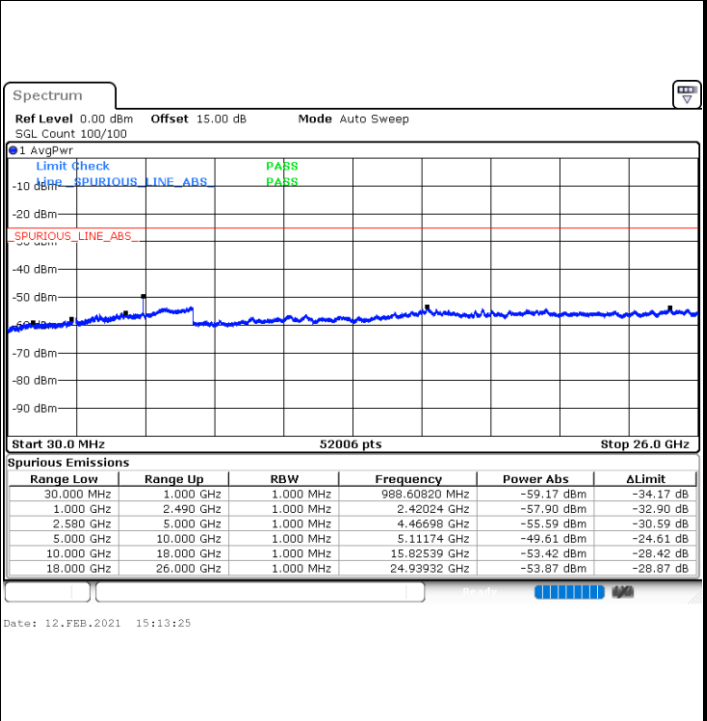


LTE Band 7 / 15MHz

Highest Channel / QPSK

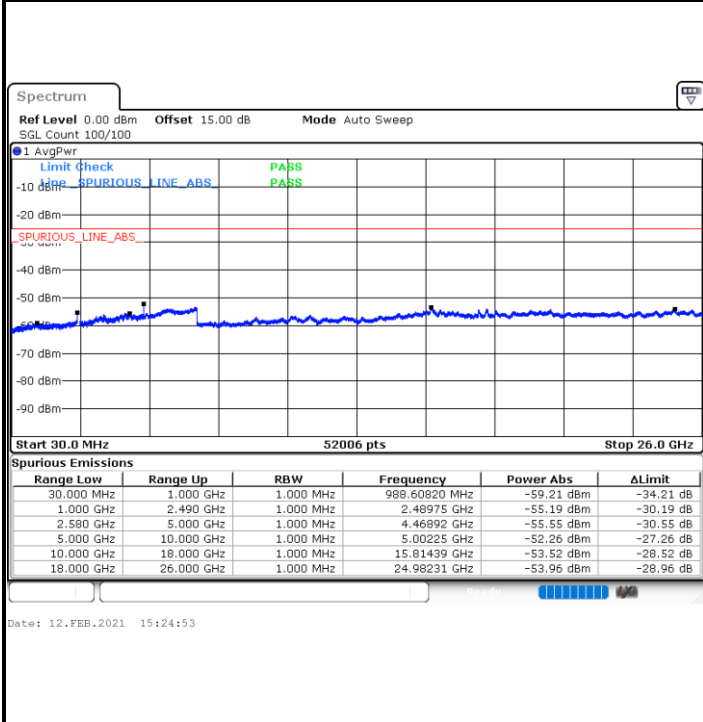


Highest Channel / 16QAM

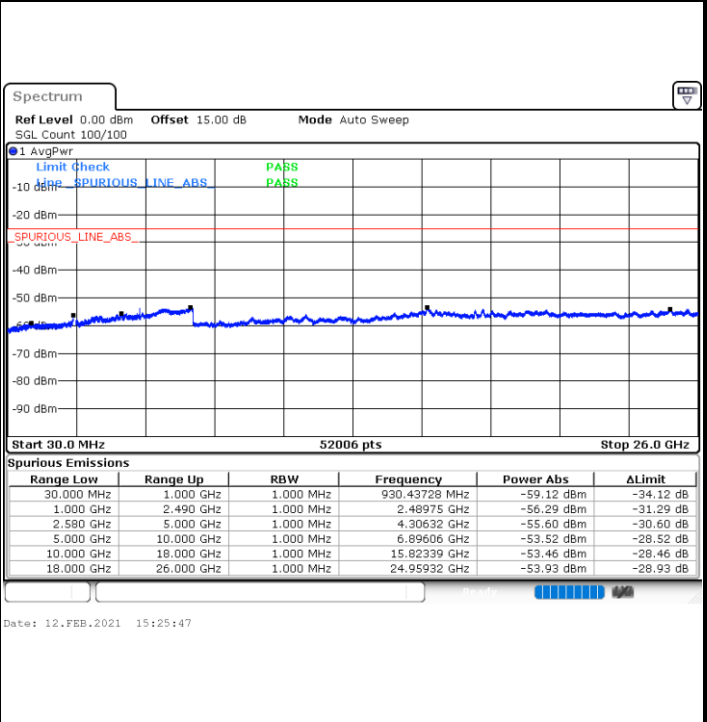


LTE Band 7 / 20MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

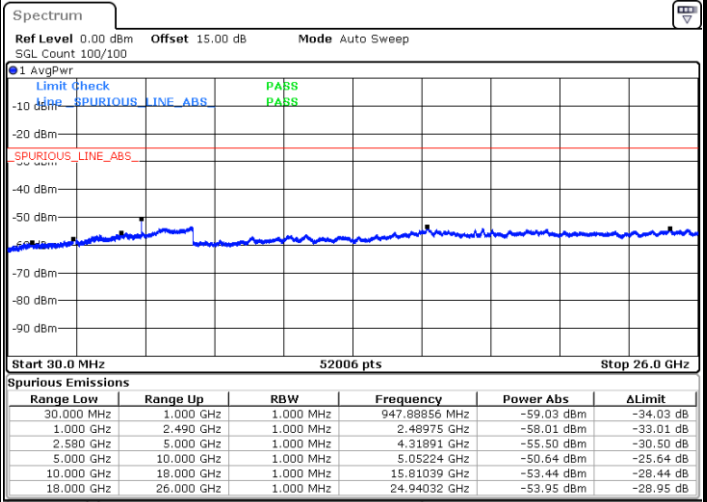
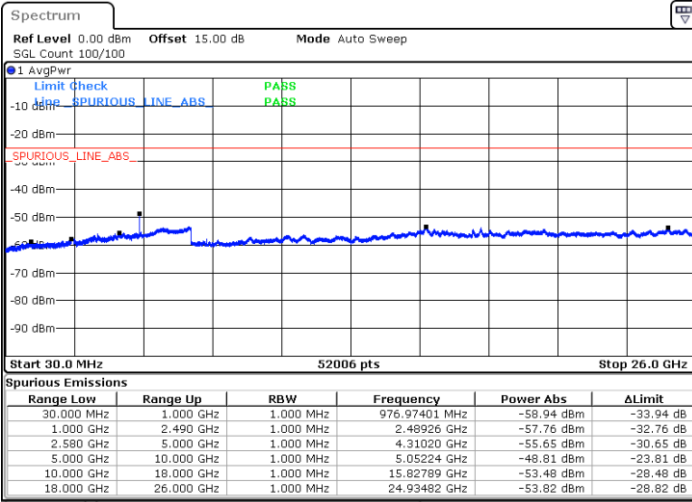




LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

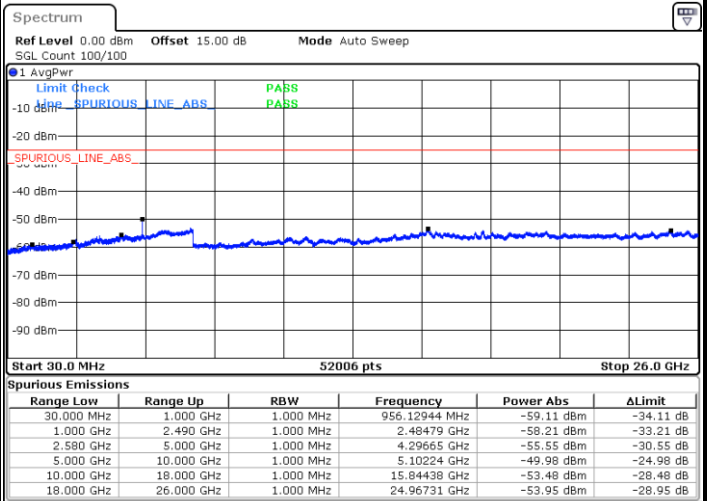
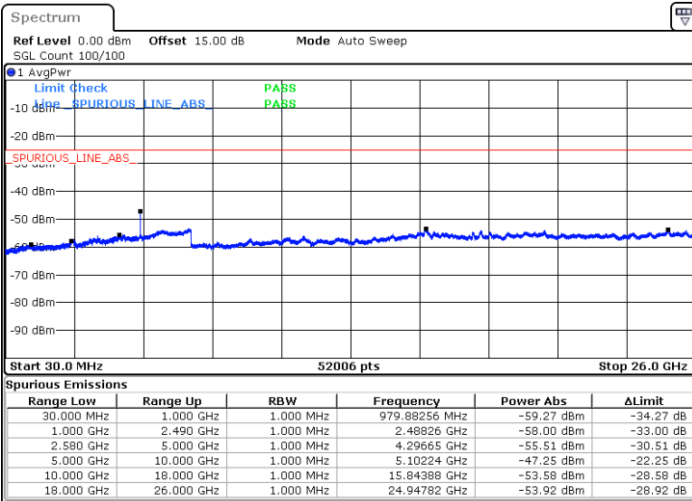


Date: 12.FEB.2021 15:29:32

Date: 12.FEB.2021 15:30:26

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 12.FEB.2021 15:35:38

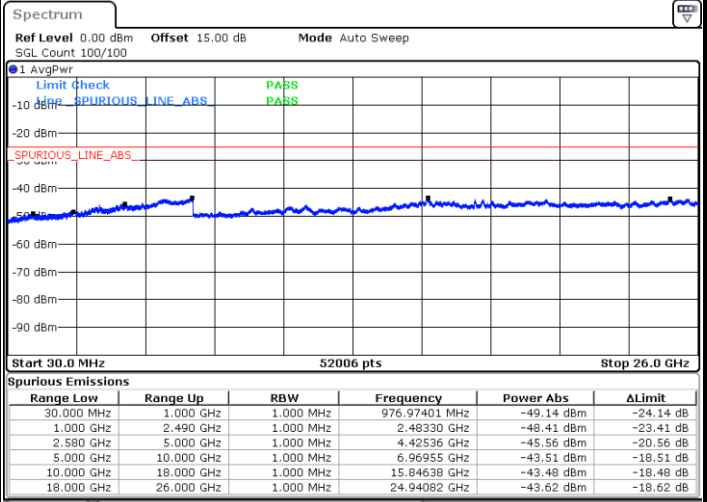
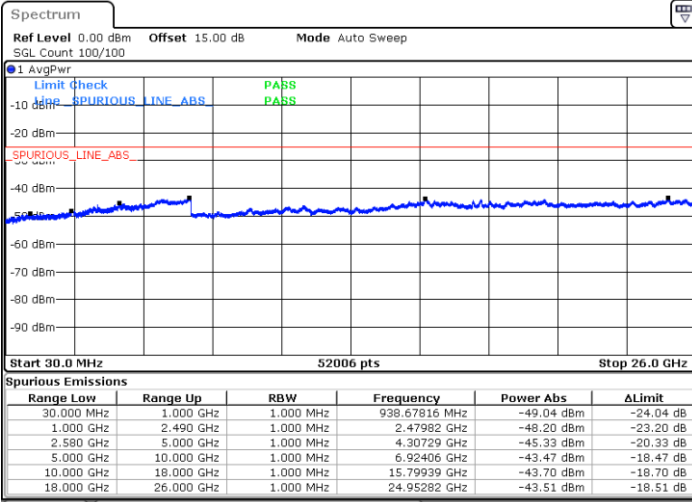
Date: 12.FEB.2021 15:36:32



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

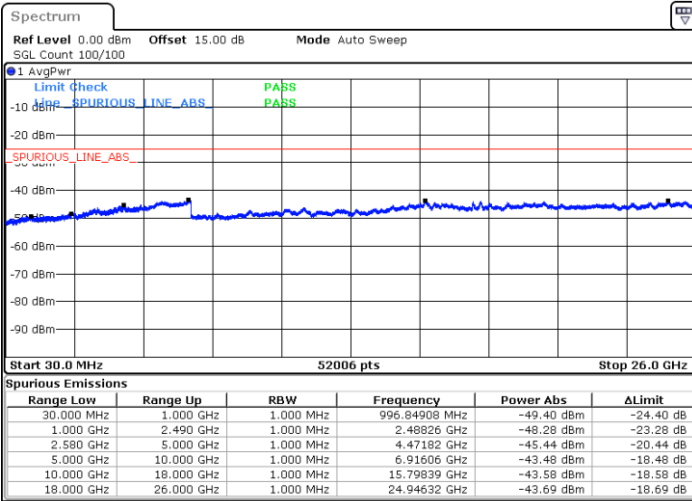
Middle Channel / 64QAM



Date: 12.FEB.2021 14:34:35

Date: 12.FEB.2021 14:35:50

Highest Channel / 64QAM



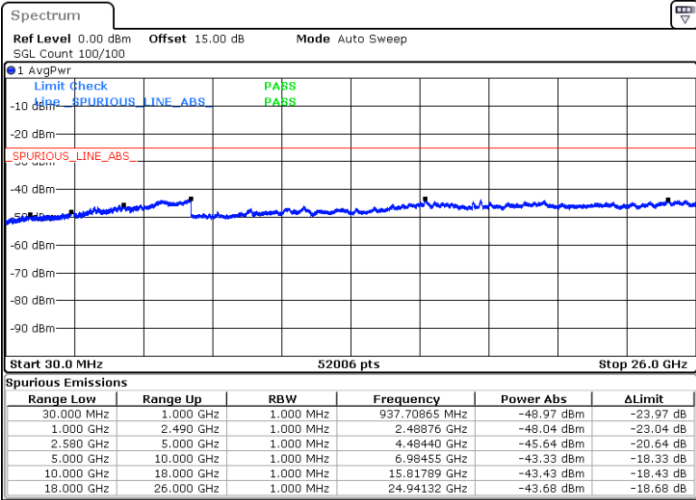
Date: 12.FEB.2021 14:38:33



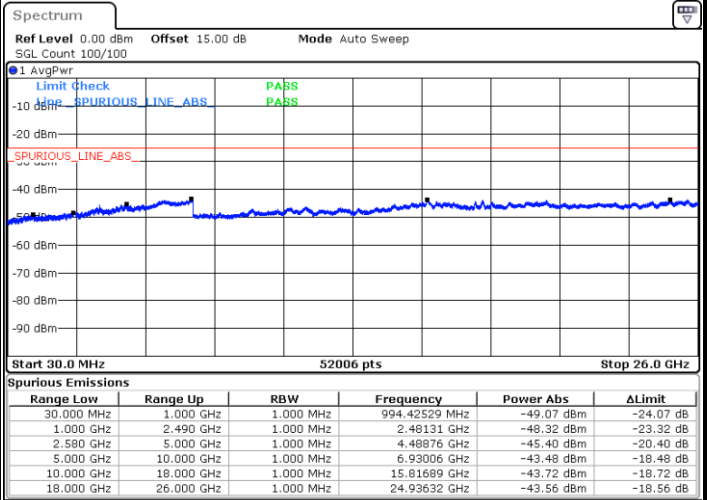
LTE Band 7 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

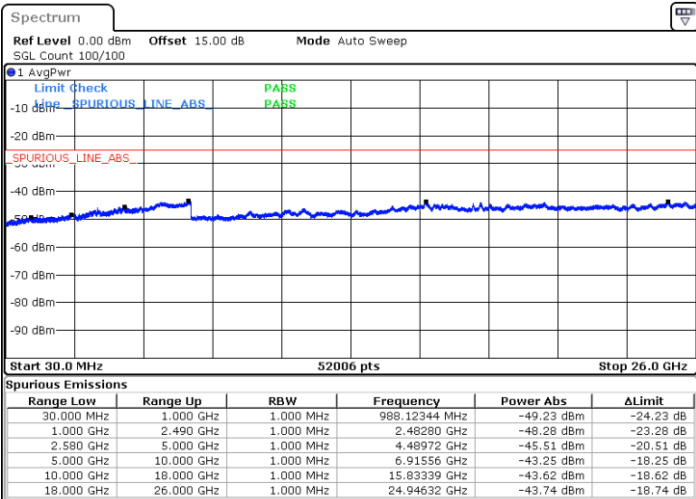


Date: 12.FEB.2021 14:55:18



Date: 12.FEB.2021 14:56:33

Highest Channel / 64QAM



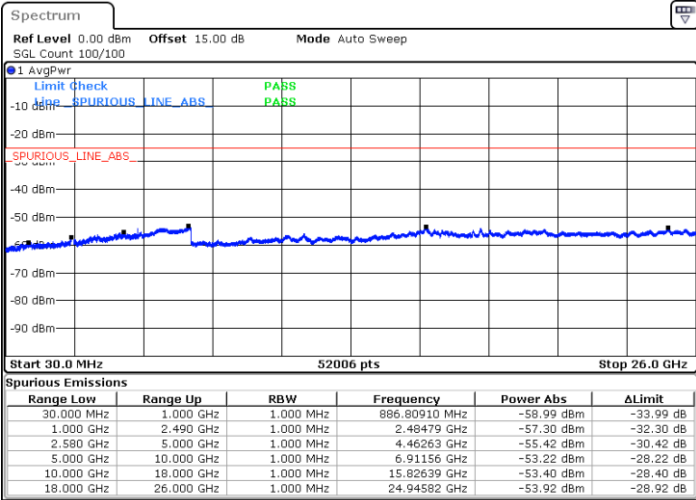
Date: 12.FEB.2021 14:59:17



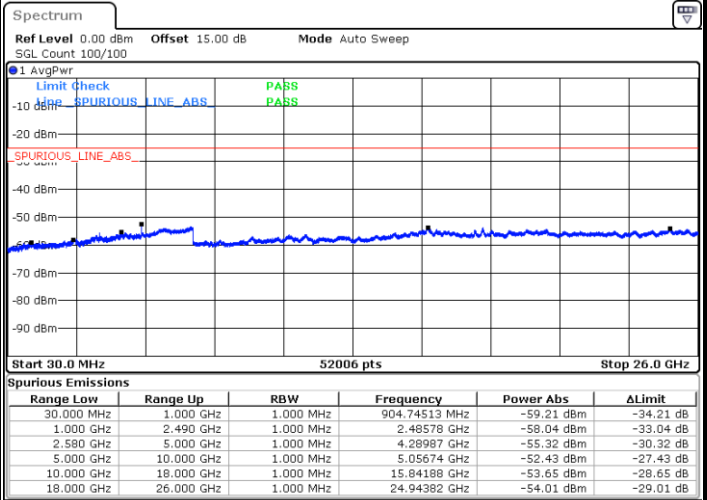
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

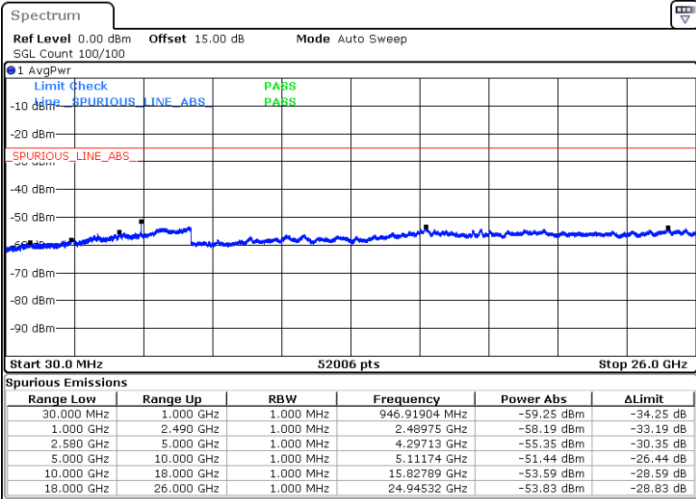


Date: 12.FEB.2021 15:16:21



Date: 12.FEB.2021 15:17:36

Highest Channel / 64QAM



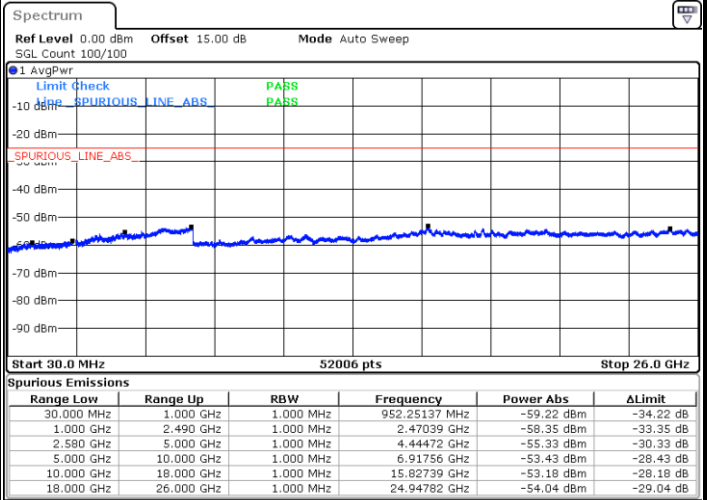
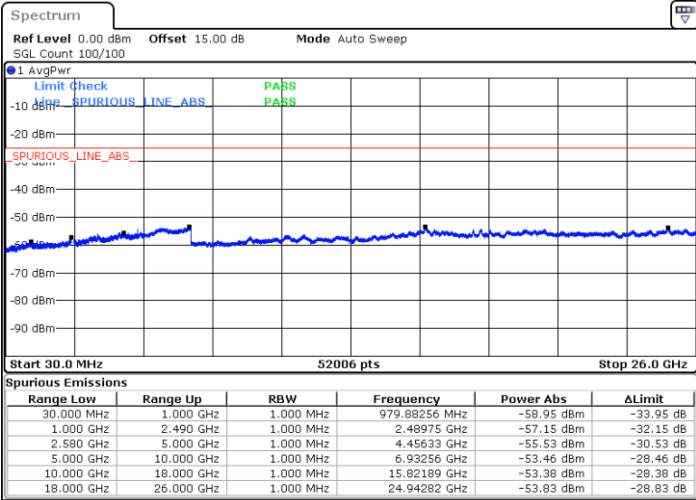
Date: 12.FEB.2021 15:20:20



LTE Band 7 / 20MHz

Lowest Channel / 64QAM

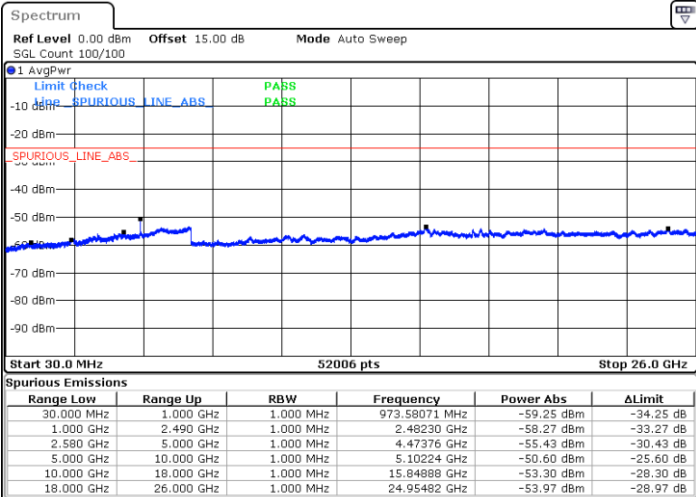
Middle Channel / 64QAM



Date: 12.FEB.2021 15:39:15

Date: 12.FEB.2021 15:40:30

Highest Channel / 64QAM



Date: 12.FEB.2021 15:47:15



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 | 0.0004 | PASS |
| 40 | Normal Voltage | 0.0007 | |
| 30 | Normal Voltage | 0.0009 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0011 | |
| 0 | Normal Voltage | 0.0015 | |
| -10 | Normal Voltage | 0.0004 | |
| -20 | Normal Voltage | 0.0004 | |
| -30 | Normal Voltage | 0.0000 | |
| 20 | Maximum Voltage | 0.0002 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0006 | |

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

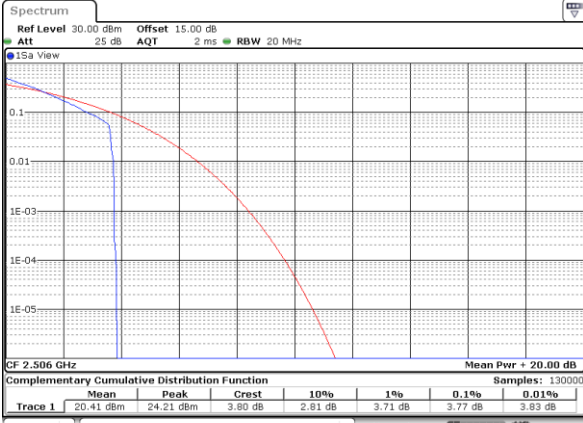
Peak-to-Average Ratio

| Mode | LTE Band 41 / 20MHz | | | | |
|------------|---------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.77 | 5.16 | 5.48 | 6.06 | PASS |
| Middle CH | 3.74 | 5.25 | 5.30 | 6.03 | |
| Highest CH | 3.65 | 4.99 | 5.51 | 5.88 | |
| Mode | LTE Band 41 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 6.75 | 6.55 | - | - | PASS |
| Middle CH | 6.41 | 6.58 | - | - | |
| Highest CH | 6.29 | 6.61 | - | - | |



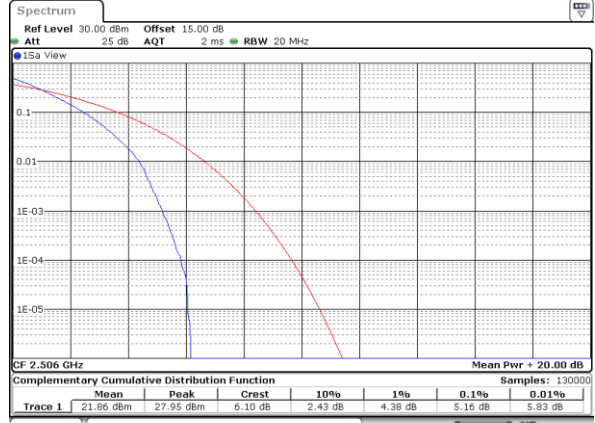
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



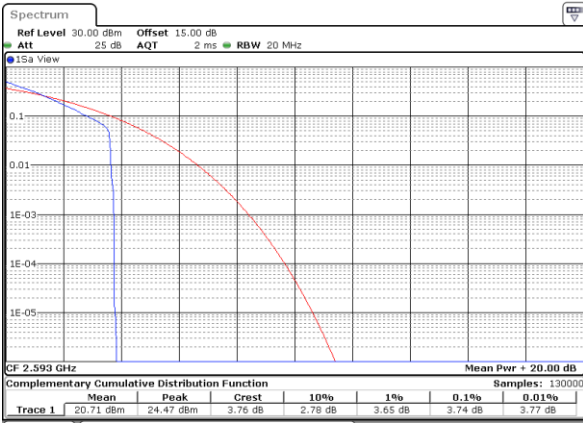
Date: 12.FEB.2021 09:04:53

Lowest Channel / Full RB



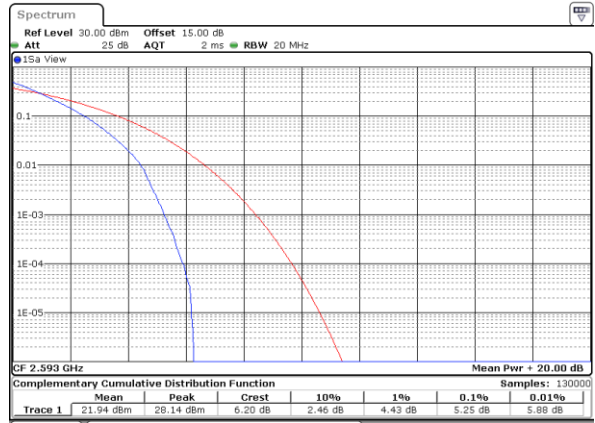
Date: 12.FEB.2021 09:05:13

Middle Channel / 1RB



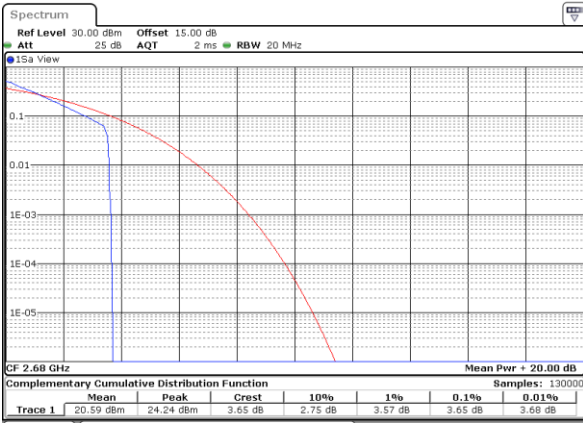
Date: 12.FEB.2021 09:05:31

Middle Channel / Full RB



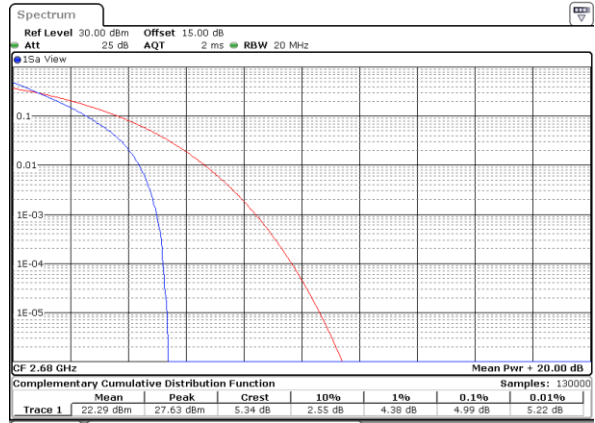
Date: 12.FEB.2021 09:05:48

Highest Channel / 1RB



Date: 12.FEB.2021 09:06:10

Highest Channel / Full RB

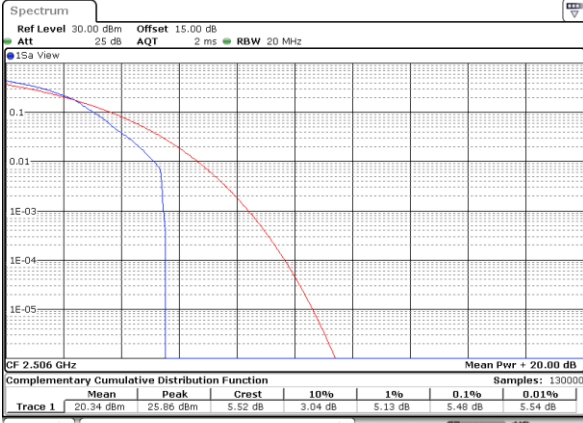


Date: 12.FEB.2021 09:06:28



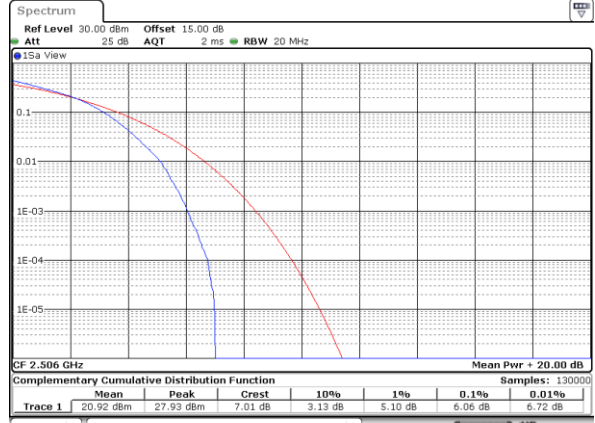
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



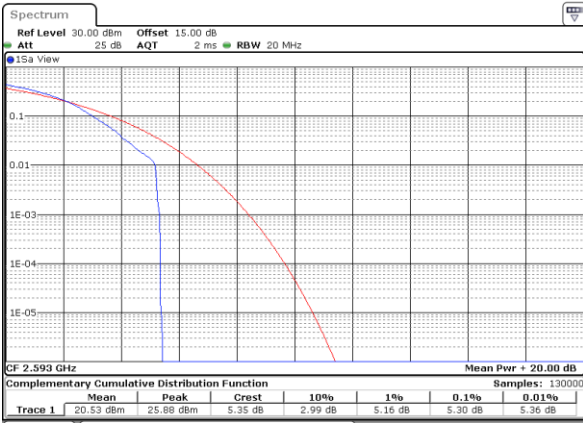
Date: 12.FEB.2021 09:02:43

Lowest Channel / Full RB



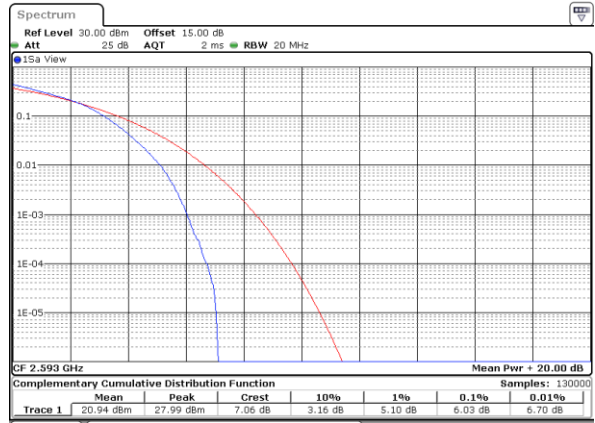
Date: 12.FEB.2021 09:03:11

Middle Channel / 1RB



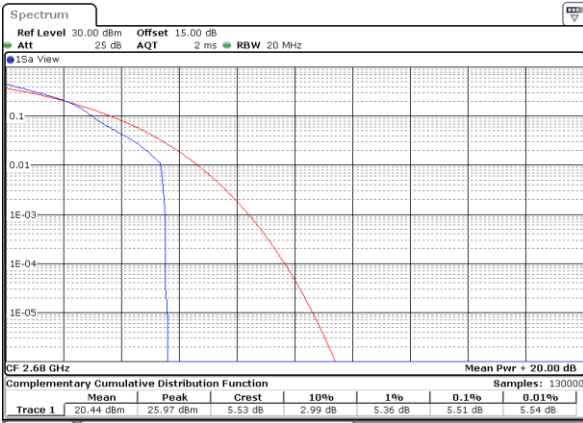
Date: 12.FEB.2021 09:03:28

Middle Channel / Full RB



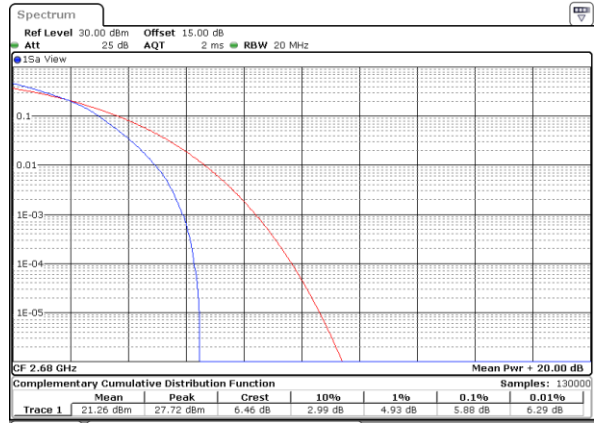
Date: 12.FEB.2021 09:03:48

Highest Channel / 1RB



Date: 12.FEB.2021 09:04:17

Highest Channel / Full RB

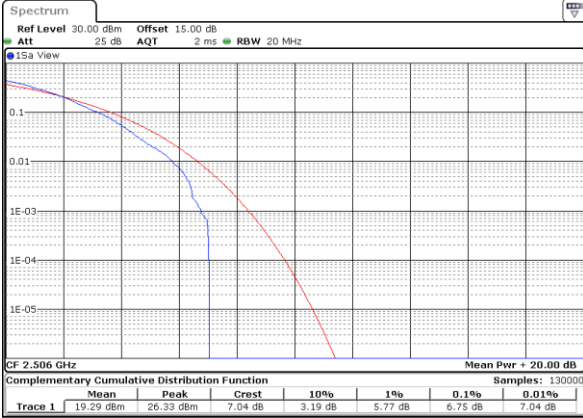


Date: 12.FEB.2021 09:04:34



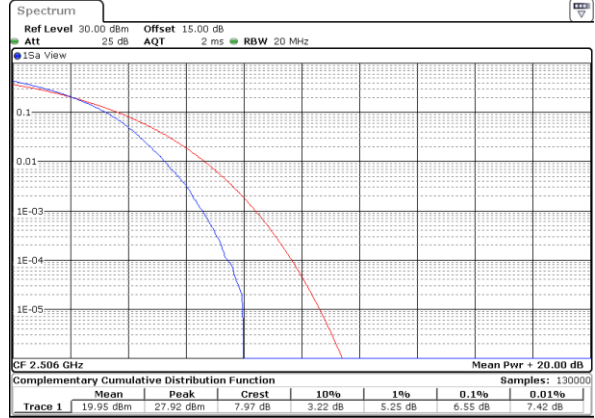
LTE Band 41 / 20MHz / 64QAM

Lowest Channel / 1RB



Date: 12.FEB.2021 09:00:24

Lowest Channel / Full RB



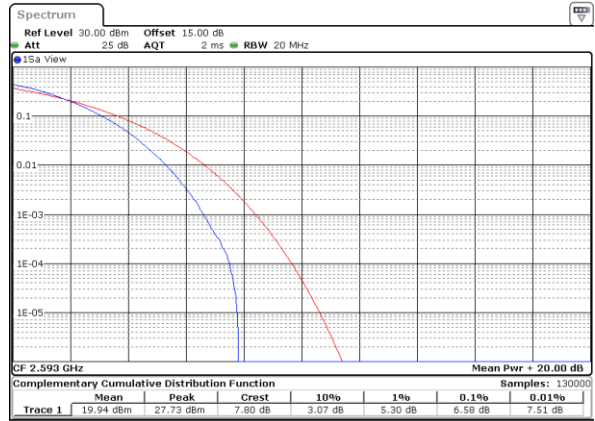
Date: 12.FEB.2021 09:00:47

Middle Channel / 1RB



Date: 12.FEB.2021 09:01:11

Middle Channel / Full RB



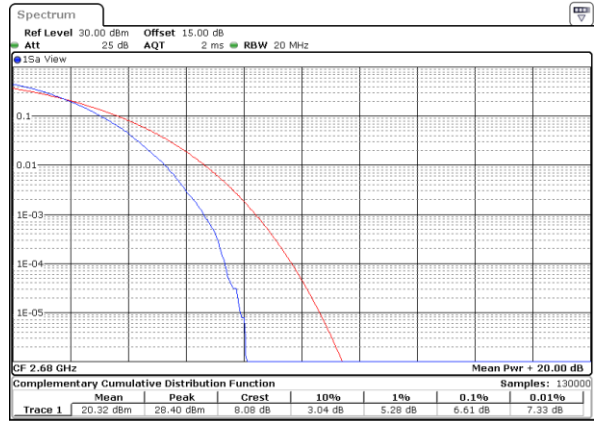
Date: 12.FEB.2021 09:01:32

Highest Channel / 1RB



Date: 12.FEB.2021 09:01:54

Highest Channel / Full RB



Date: 12.FEB.2021 09:02:19



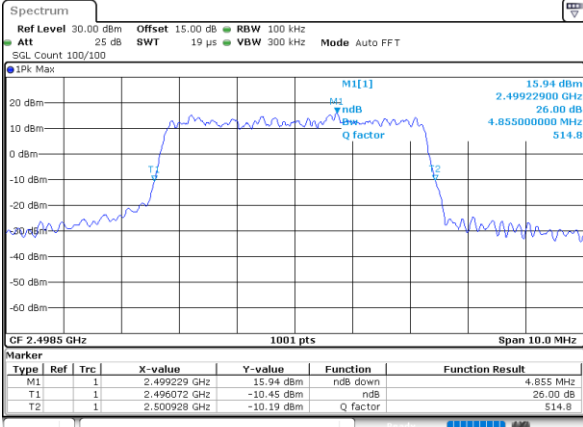
26dB Bandwidth

| Mode | LTE Band 41 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | - | - | - | - | 4.86 | 4.75 | 9.67 | 9.67 | 14.18 | 14.42 | 18.62 | 19.18 |
| Middle CH | - | - | - | - | 4.92 | 4.90 | 9.71 | 9.81 | 14.15 | 14.33 | 18.62 | 18.66 |
| Highest CH | - | - | - | - | 4.77 | 4.86 | 9.77 | 9.69 | 14.27 | 14.27 | 19.10 | 18.98 |
| Mode | LTE Band 41 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | - | - | - | - | 4.82 | - | 9.67 | - | 14.15 | - | 18.86 | - |
| Middle CH | - | - | - | - | 4.87 | - | 9.77 | - | 14.36 | - | 18.78 | - |
| Highest CH | - | - | - | - | 4.76 | - | 9.79 | - | 14.27 | - | 18.94 | - |



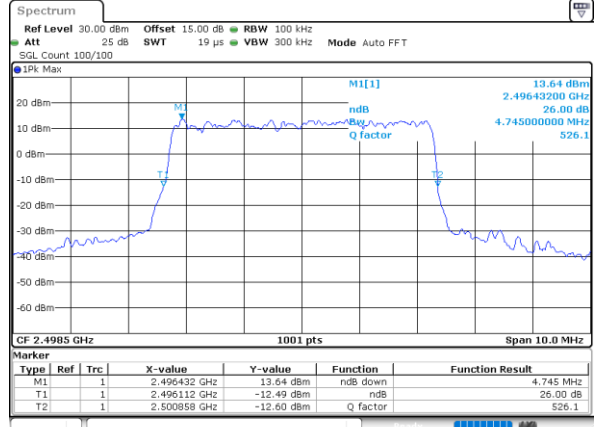
LTE Band 41

Lowest Channel / 5MHz / QPSK



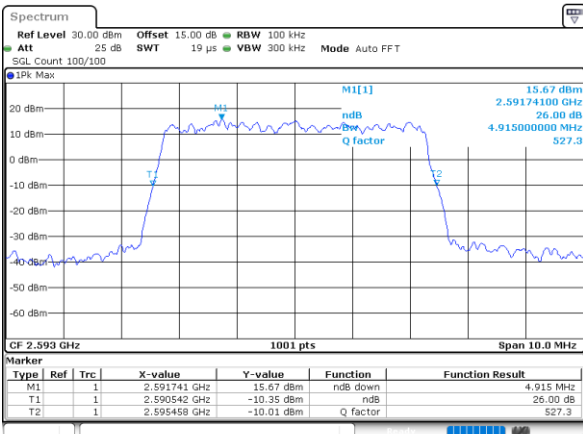
Date: 12.FEB.2021 08:45:38

Lowest Channel / 5MHz / 16QAM



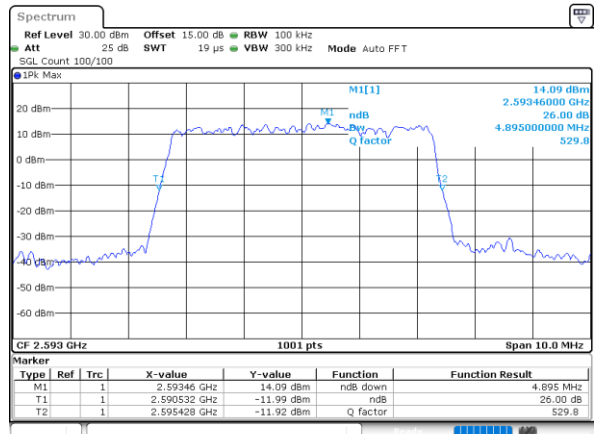
Date: 12.FEB.2021 08:45:48

Middle Channel / 5MHz / QPSK



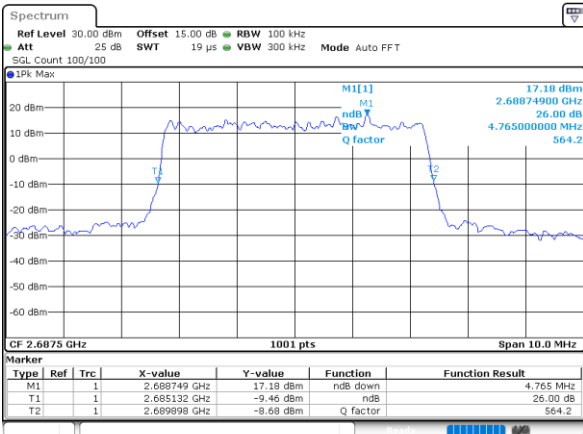
Date: 12.FEB.2021 08:46:21

Middle Channel / 5MHz / 16QAM



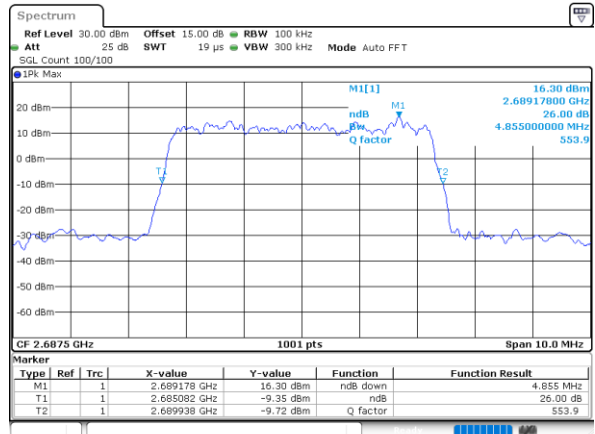
Date: 12.FEB.2021 08:46:32

Highest Channel / 5MHz / QPSK



Date: 12.FEB.2021 09:19:17

Highest Channel / 5MHz / 16QAM

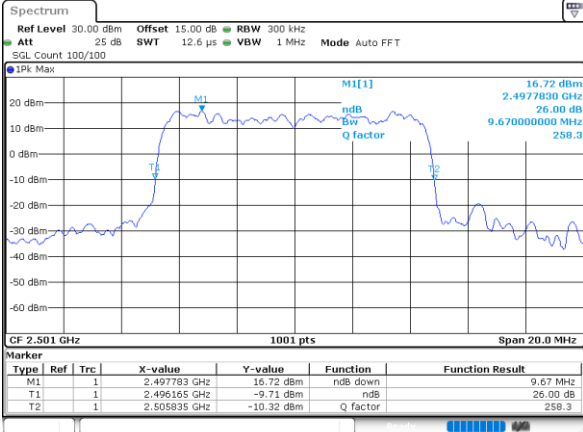


Date: 12.FEB.2021 08:47:15



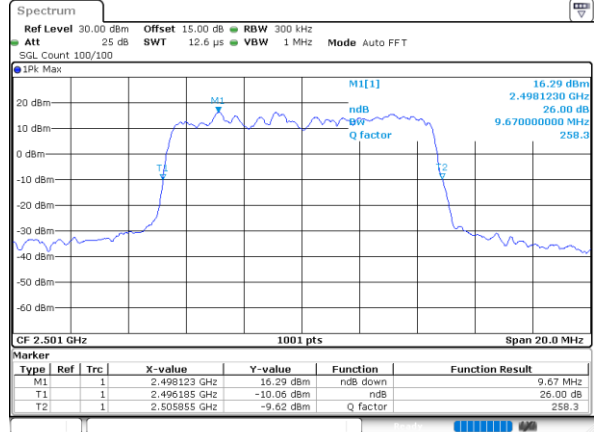
LTE Band 41

Lowest Channel / 10MHz / QPSK



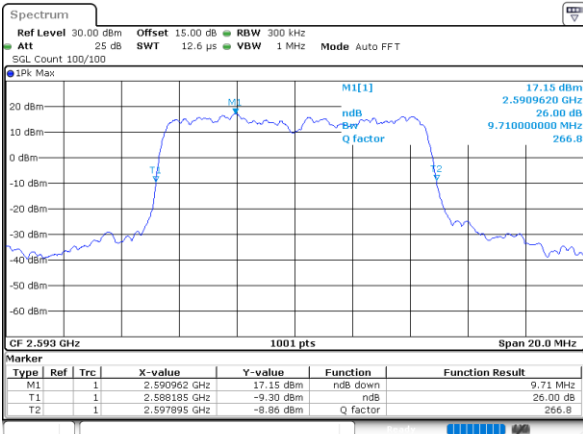
Date: 12.FEB.2021 09:15:13

Lowest Channel / 10MHz / 16QAM



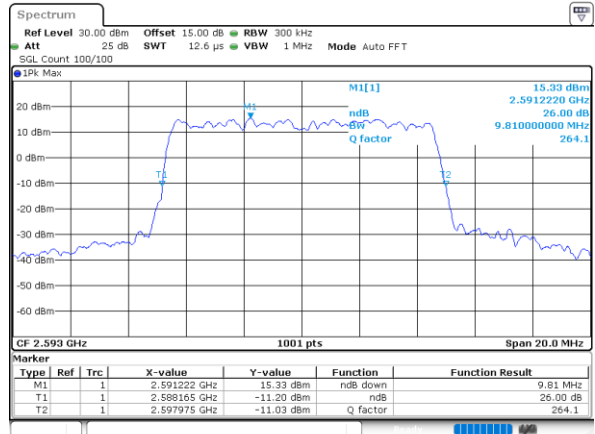
Date: 12.FEB.2021 08:47:58

Middle Channel / 10MHz / QPSK



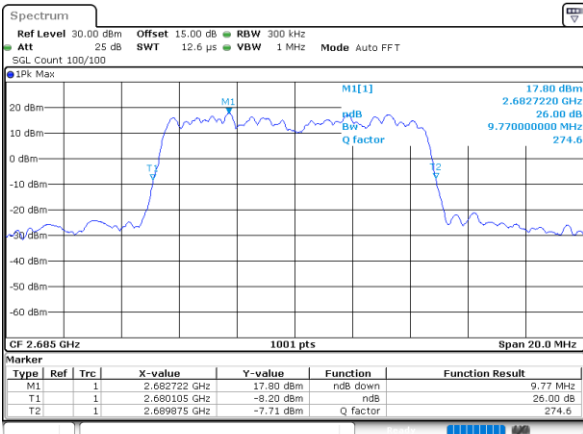
Date: 12.FEB.2021 08:48:31

Middle Channel / 10MHz / 16QAM



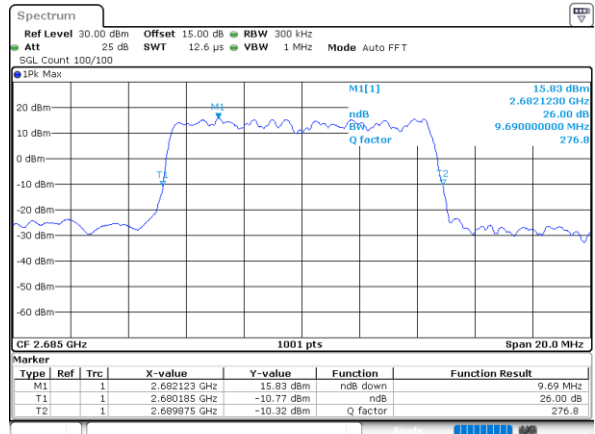
Date: 12.FEB.2021 08:49:17

Highest Channel / 10MHz / QPSK



Date: 12.FEB.2021 09:18:19

Highest Channel / 10MHz / 16QAM



Date: 12.FEB.2021 08:50:00