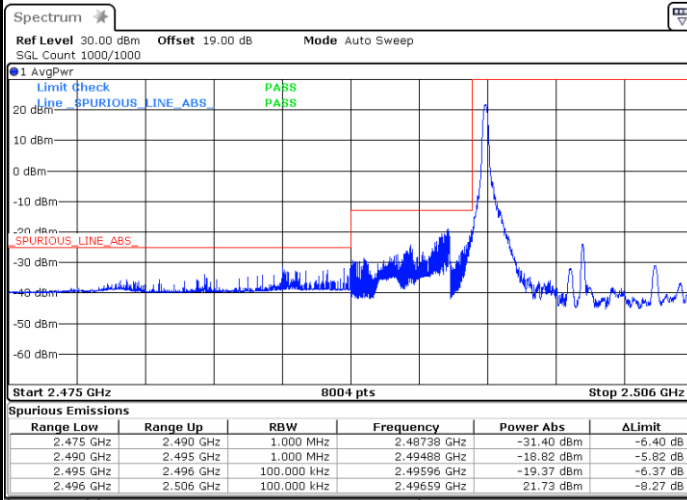




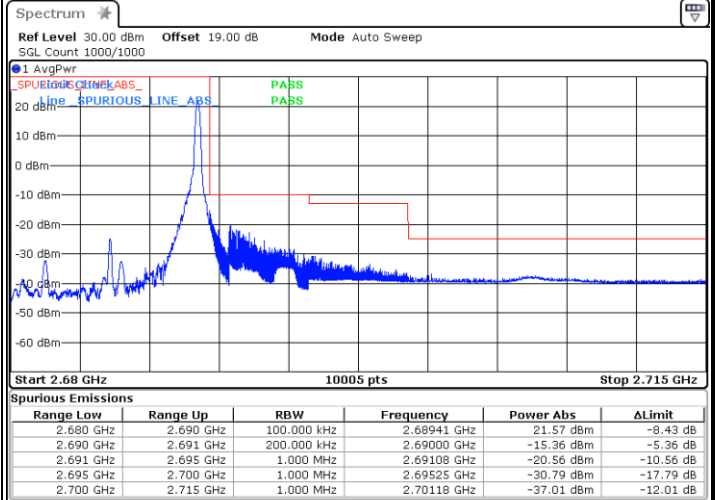
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



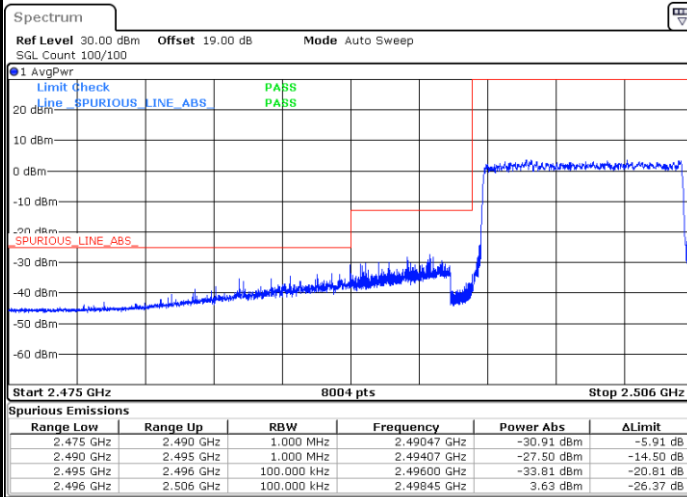
Date: 20.DEC.2020 21:58:41

Highest Band Edge / 1 RB



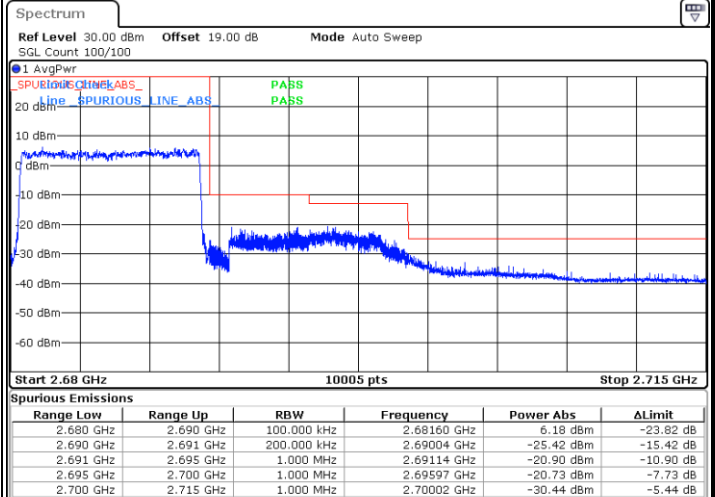
Date: 20.DEC.2020 22:29:56

Lowest Band Edge / Full RB



Date: 13.JAN.2021 15:18:18

Highest Band Edge / Full RB

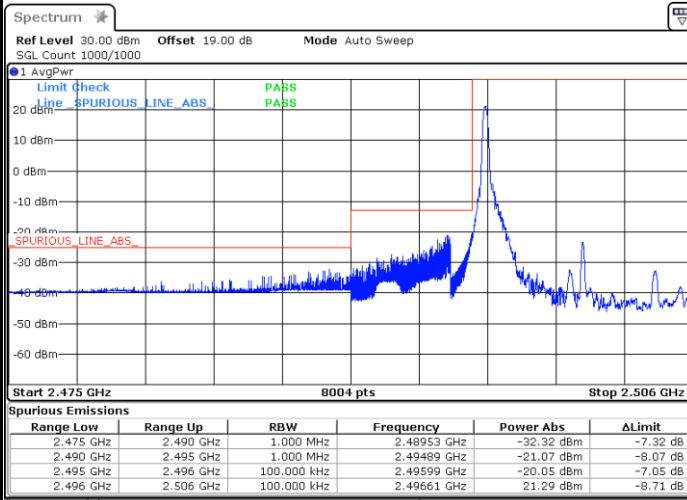


Date: 20.DEC.2020 22:33:28



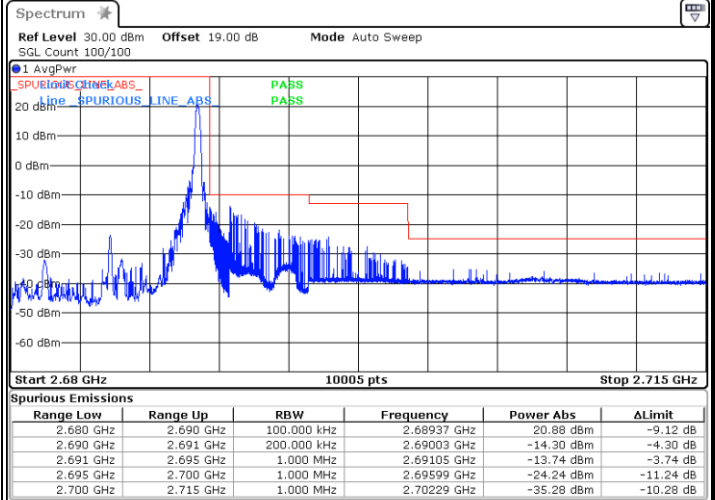
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



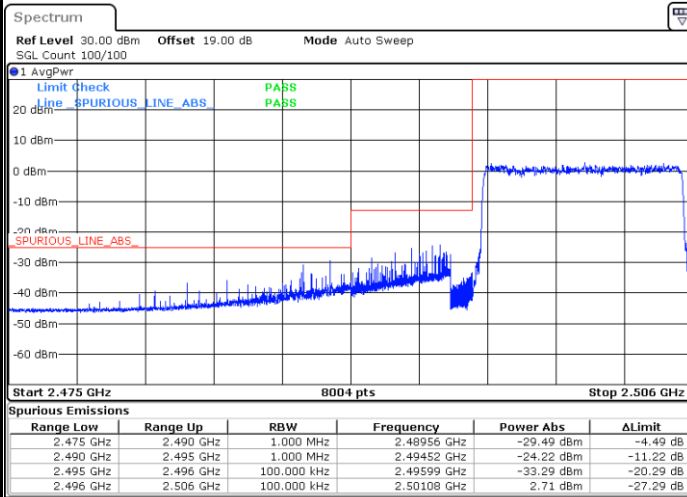
Date: 20. DEC. 2020 21:55:26

Highest Band Edge / 1 RB



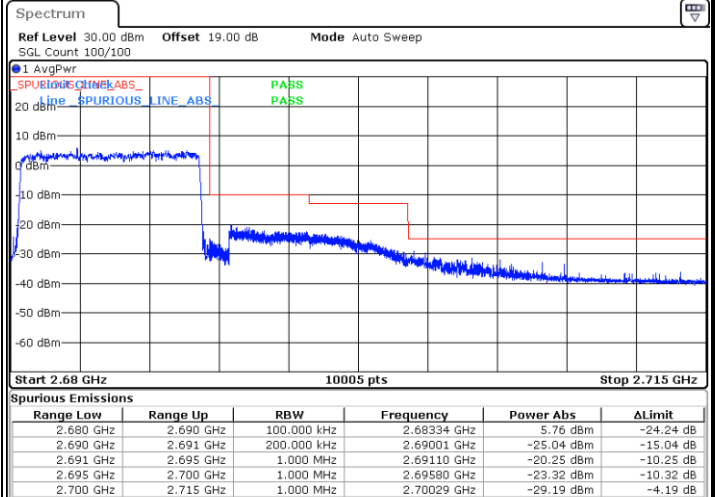
Date: 20. DEC. 2020 22:30:38

Lowest Band Edge / Full RB



Date: 13. JAN. 2021 15:18:38

Highest Band Edge / Full RB

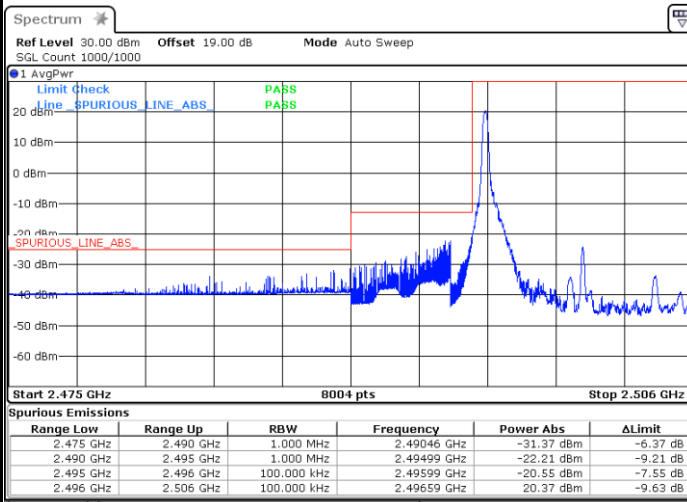


Date: 20. DEC. 2020 22:32:17



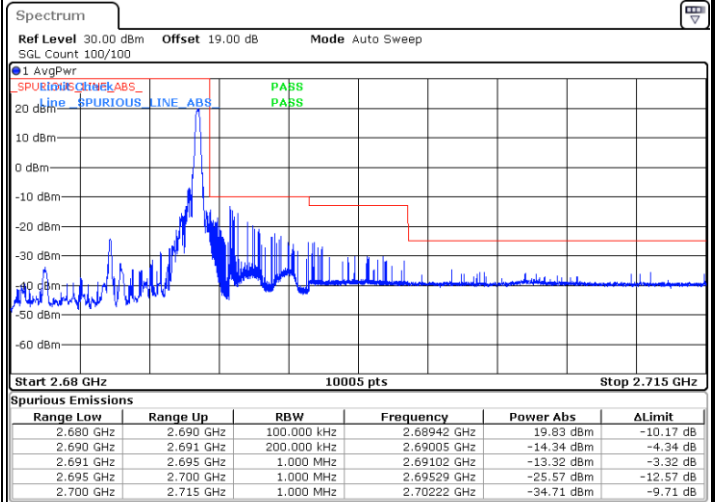
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



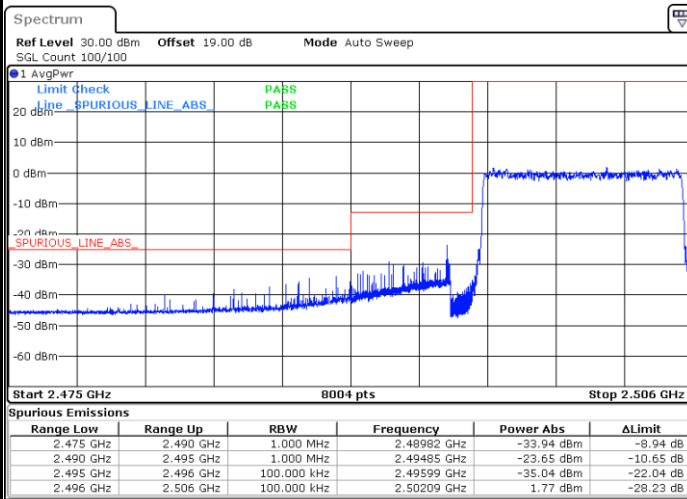
Date: 20. DEC. 2020 21:51:02

Highest Band Edge / 1 RB



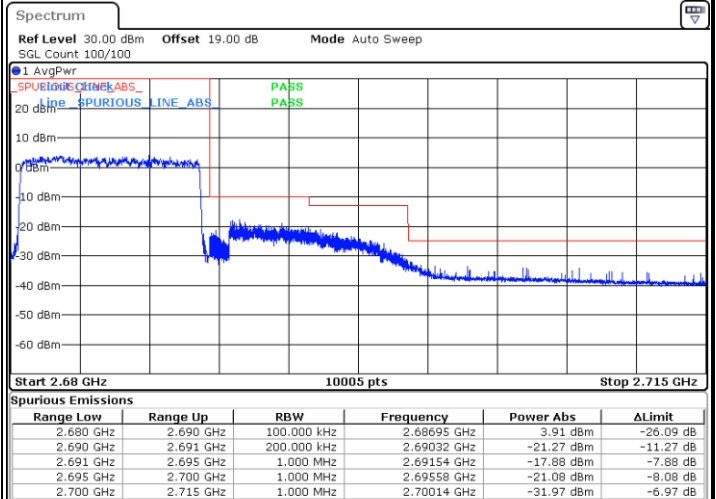
Date: 20. DEC. 2020 22:31:08

Lowest Band Edge / Full RB



Date: 13. JAN. 2021 15:18:59

Highest Band Edge / Full RB

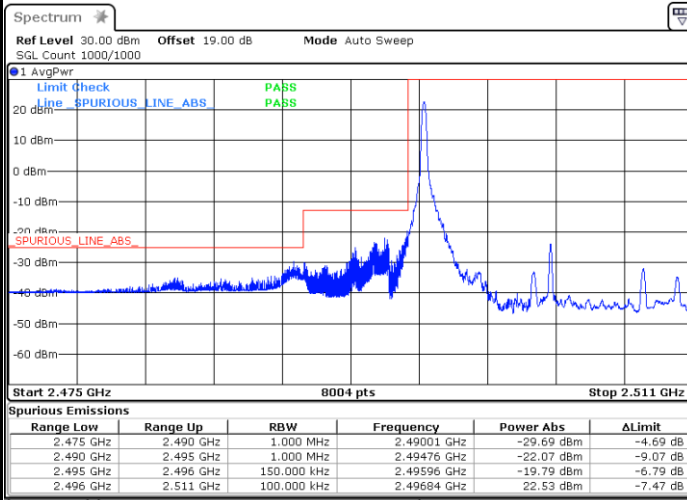


Date: 20. DEC. 2020 22:31:45



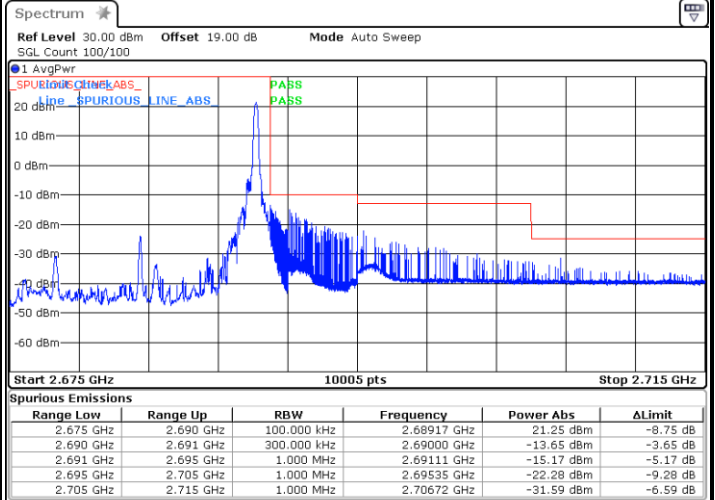
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



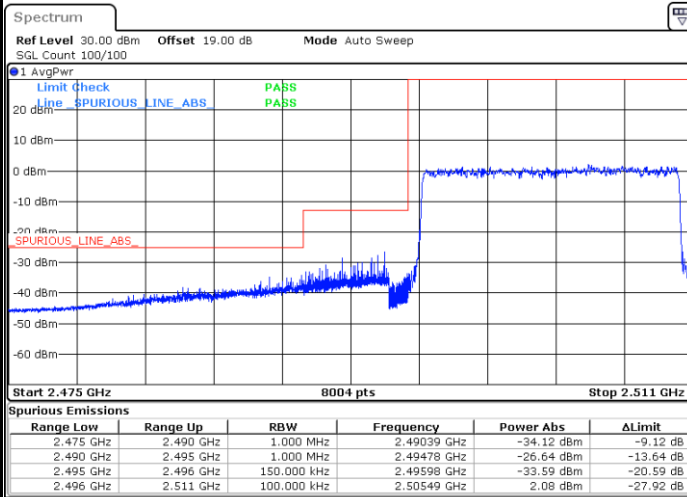
Date: 20. DEC. 2020 23:49:55

Highest Band Edge / 1 RB



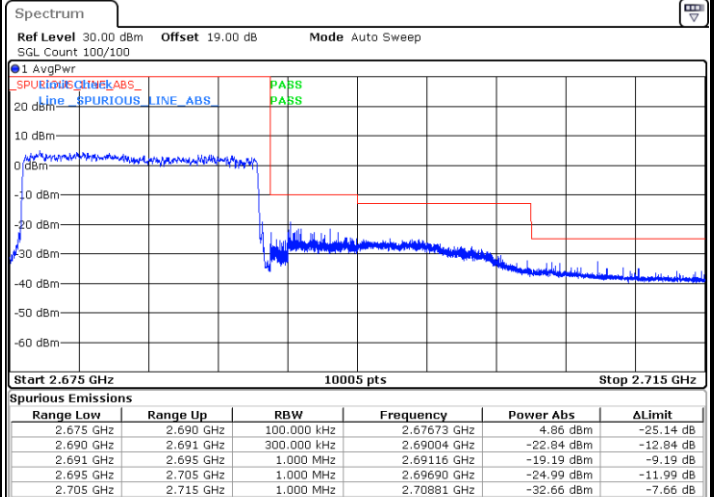
Date: 21. DEC. 2020 00:05:33

Lowest Band Edge / Full RB



Date: 13. JAN. 2021 15:20:45

Highest Band Edge / Full RB

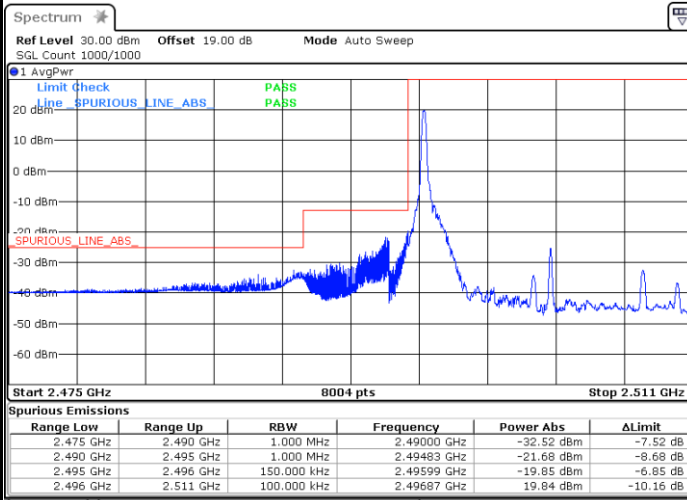


Date: 21. DEC. 2020 00:11:38



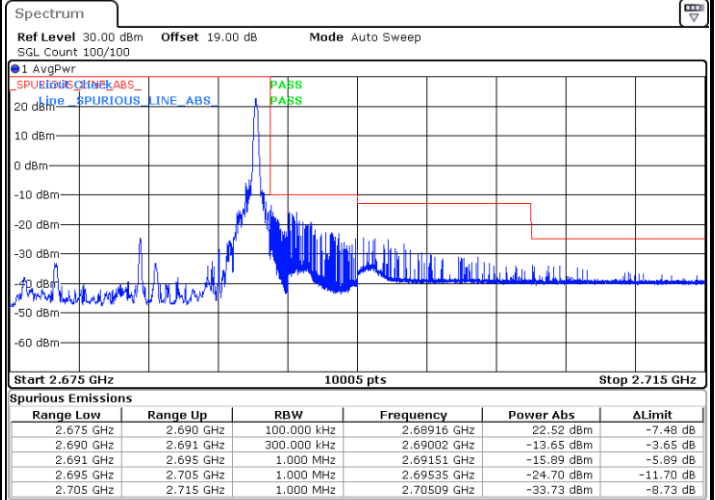
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



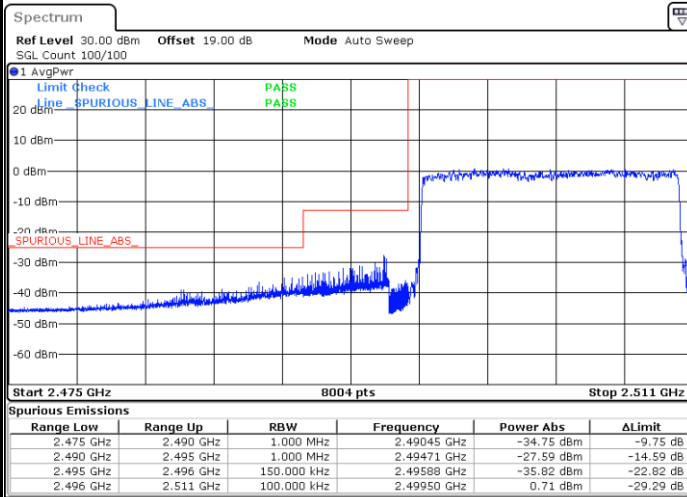
Date: 20.DEC.2020 23:45:43

Highest Band Edge / 1 RB



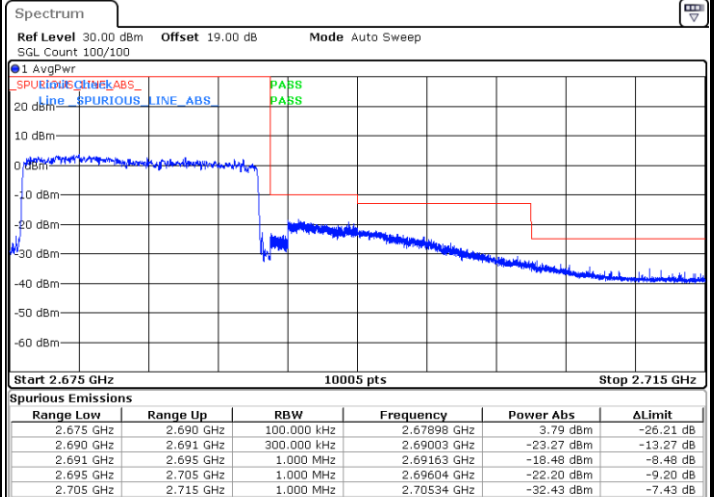
Date: 21.DEC.2020 00:06:04

Lowest Band Edge / Full RB



Date: 13.JAN.2021 15:20:22

Highest Band Edge / Full RB

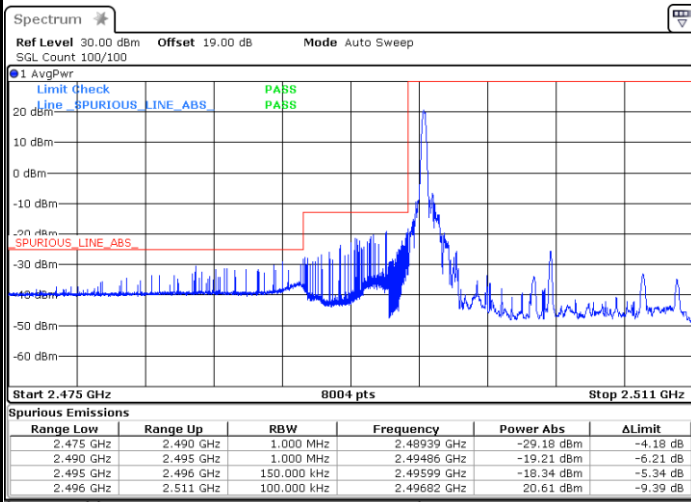


Date: 21.DEC.2020 00:10:01



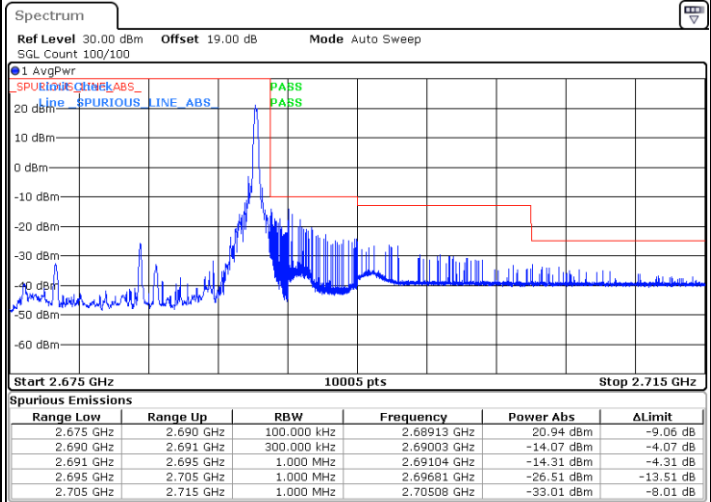
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



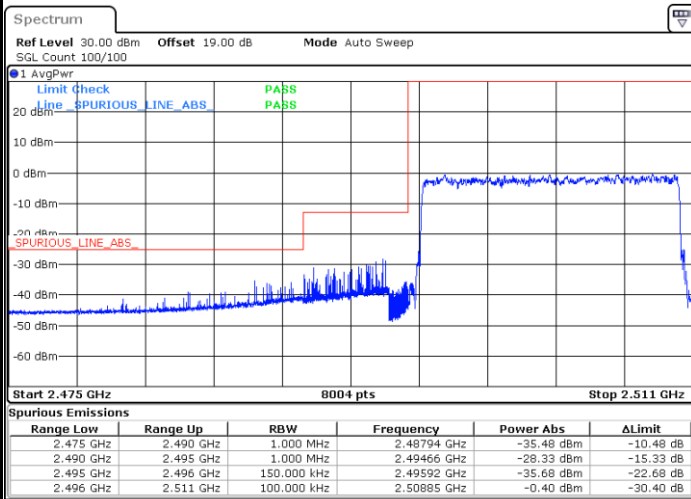
Date: 20.DEC.2020 23:39:42

Highest Band Edge / 1 RB



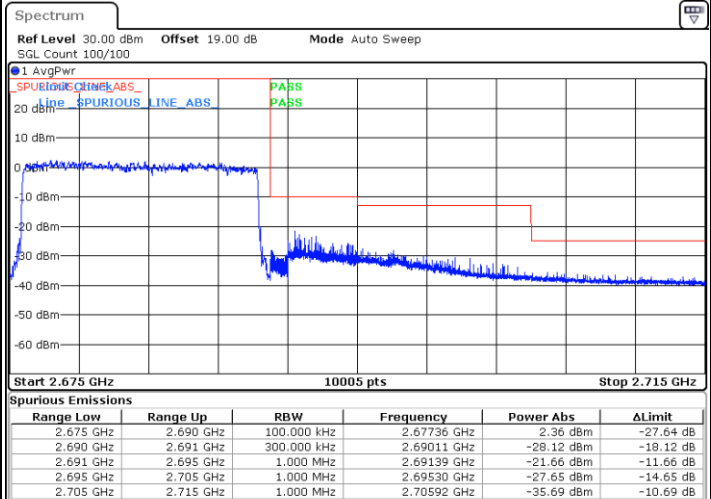
Date: 21.DEC.2020 00:07:07

Lowest Band Edge / Full RB



Date: 13.JAN.2021 15:19:39

Highest Band Edge / Full RB

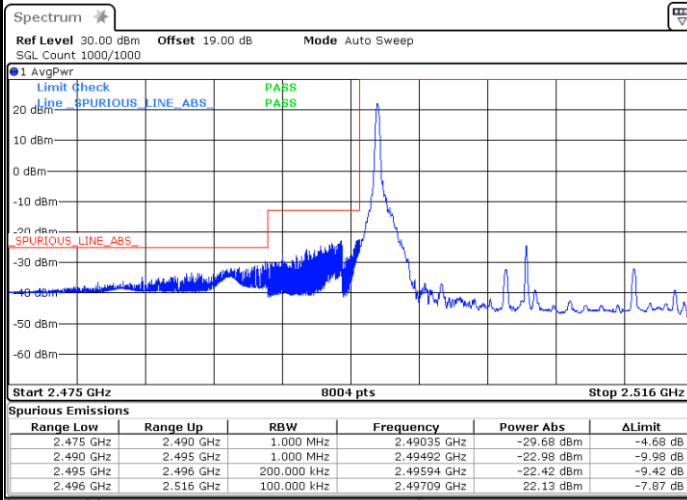


Date: 21.DEC.2020 00:08:56



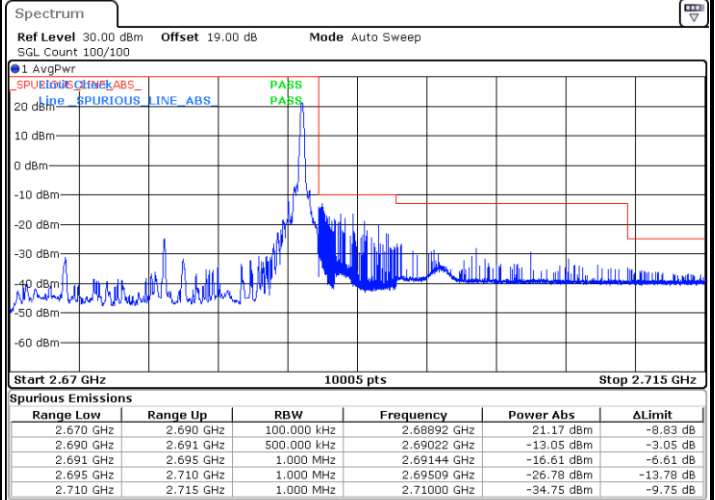
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



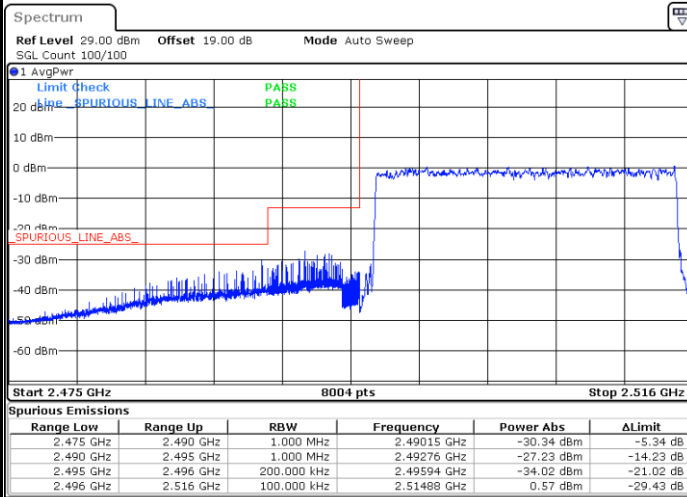
Date: 21.DEC.2020 01:19:56

Highest Band Edge / 1 RB



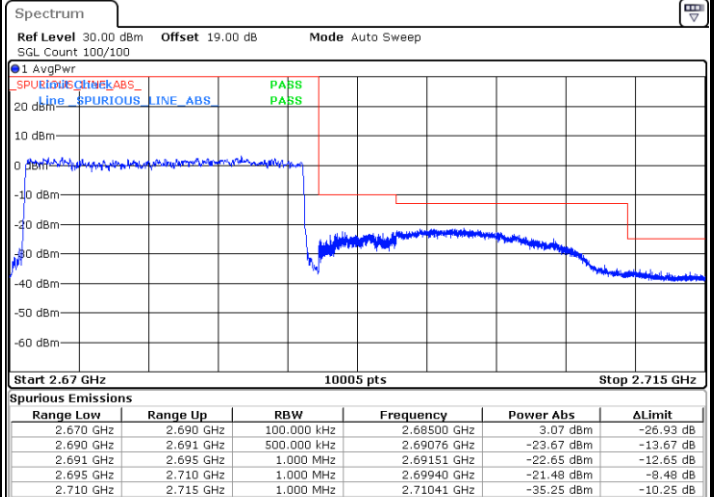
Date: 21.DEC.2020 01:33:55

Lowest Band Edge / Full RB



Date: 13.JAN.2021 15:21:34

Highest Band Edge / Full RB

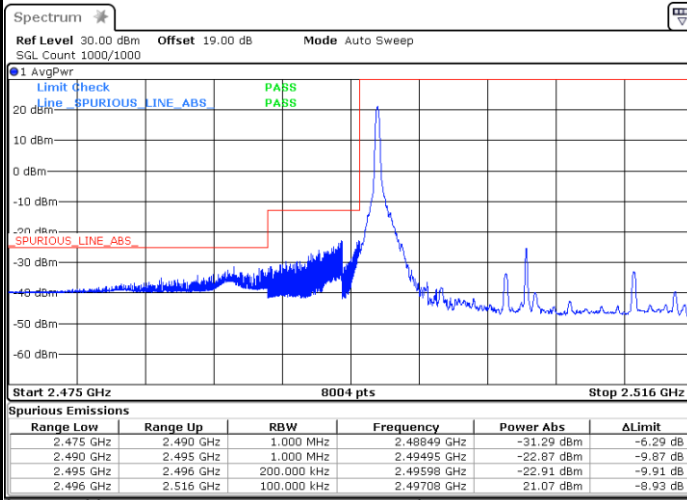


Date: 21.DEC.2020 01:40:11



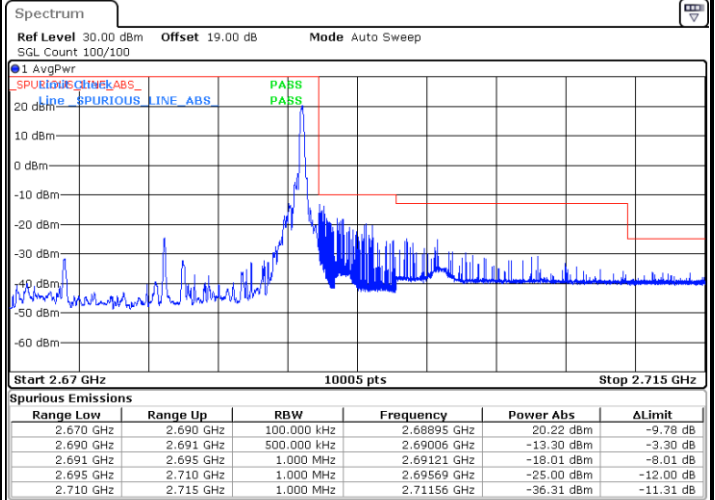
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



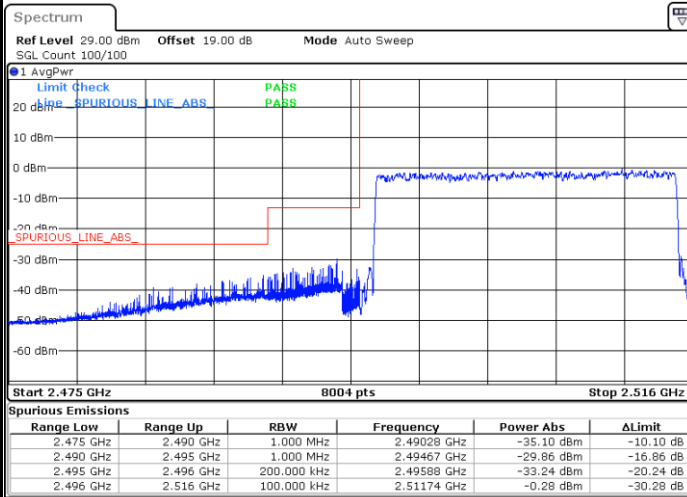
Date: 21.DEC.2020 01:23:08

Highest Band Edge / 1 RB



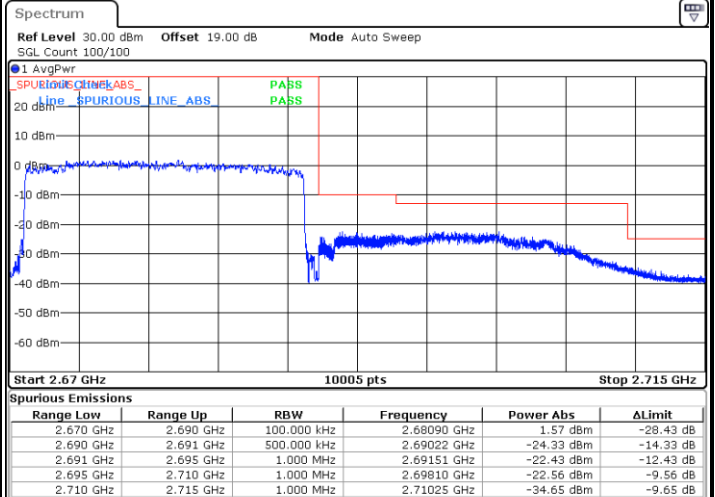
Date: 21.DEC.2020 01:35:27

Lowest Band Edge / Full RB



Date: 13.JAN.2021 15:22:38

Highest Band Edge / Full RB



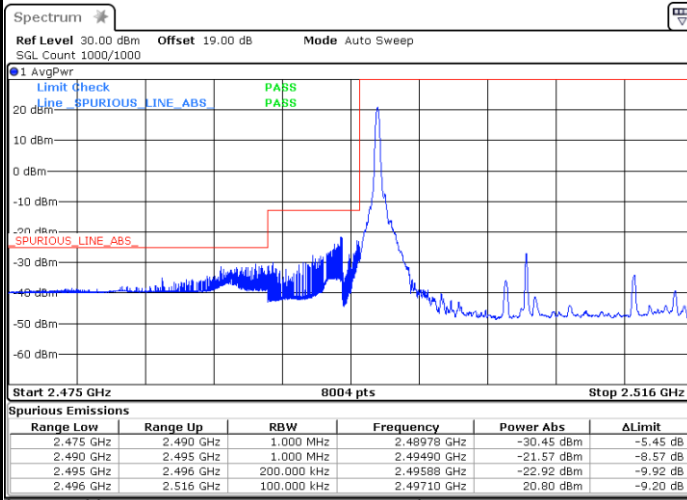
Date: 21.DEC.2020 01:39:00





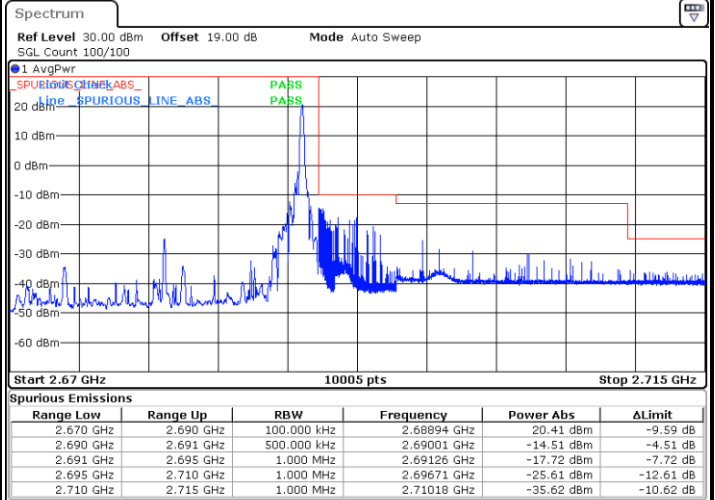
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



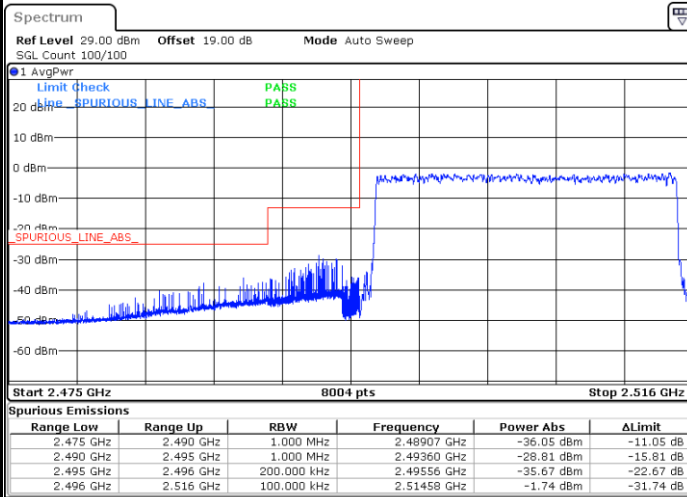
Date: 21.DEC.2020 01:13:55

Highest Band Edge / 1 RB



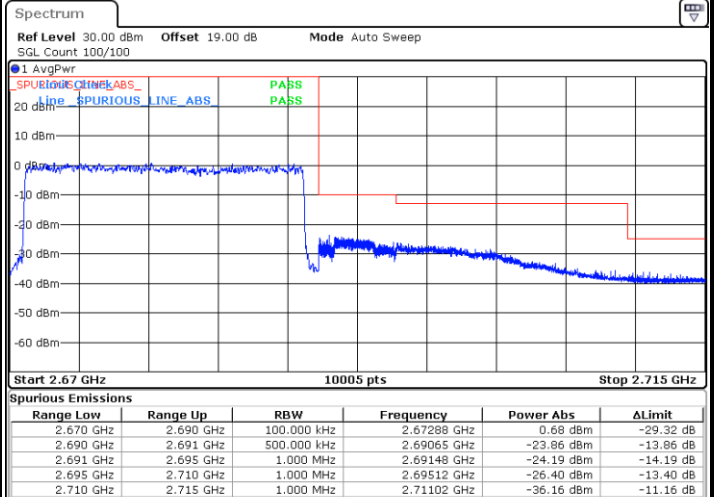
Date: 21.DEC.2020 01:36:43

Lowest Band Edge / Full RB



Date: 13.JAN.2021 15:23:01

Highest Band Edge / Full RB



Date: 21.DEC.2020 01:38:02

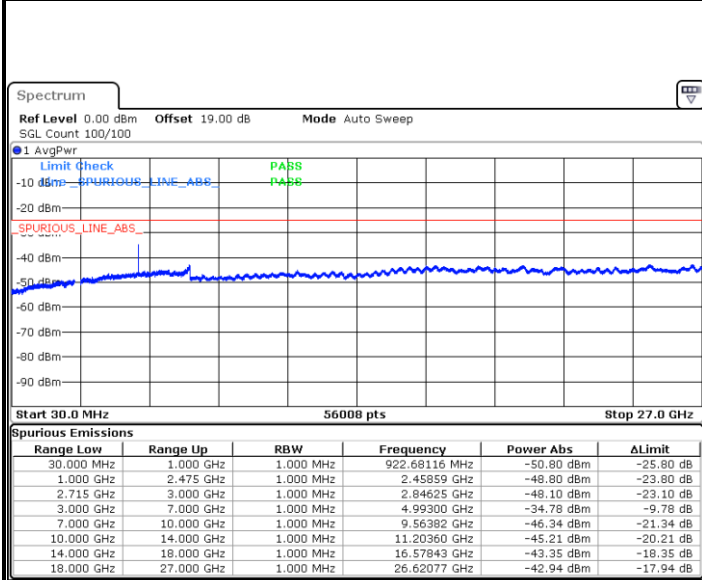


**Conducted Spurious Emission**



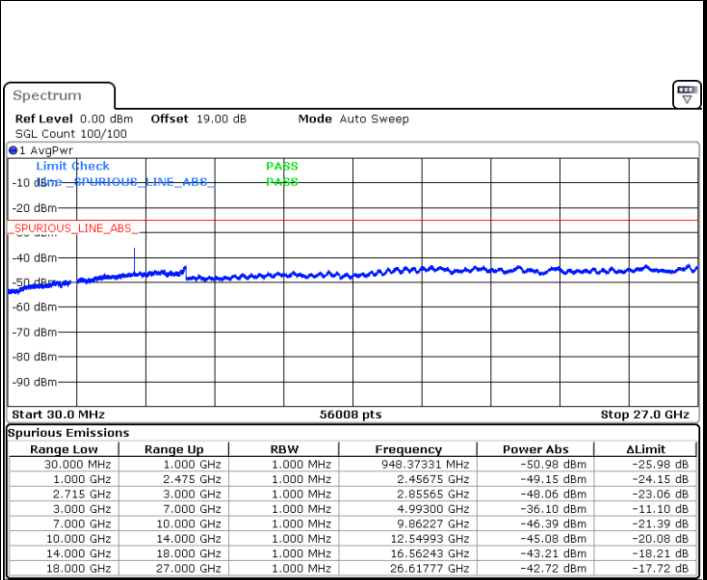
LTE Band 41 / 5MHz

Lowest Channel / QPSK



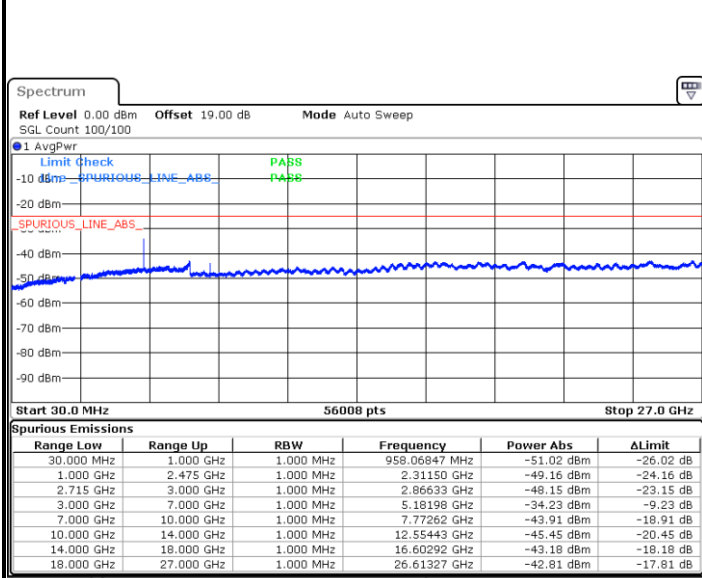
Date: 20.DEC.2020 20:41:51

Lowest Channel / 16QAM



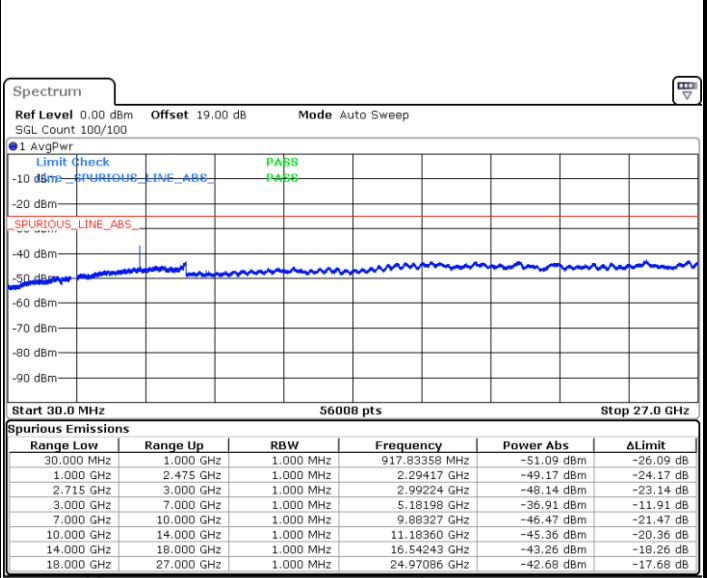
Date: 20.DEC.2020 20:32:51

Middle Channel / QPSK



Date: 20.DEC.2020 20:44:07

Middle Channel / 16QAM



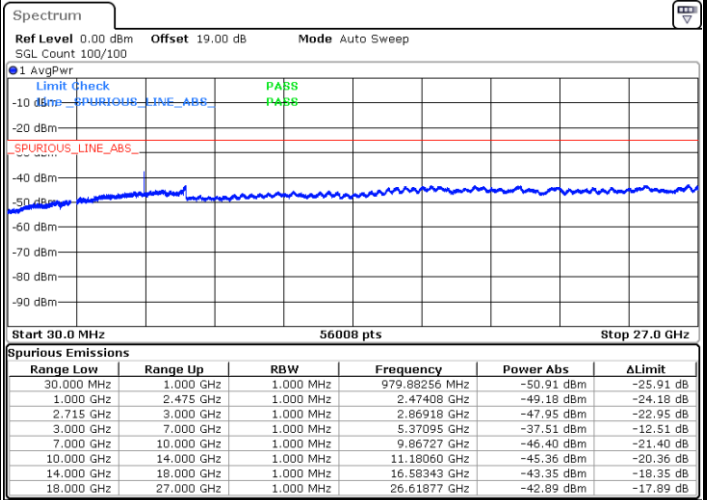
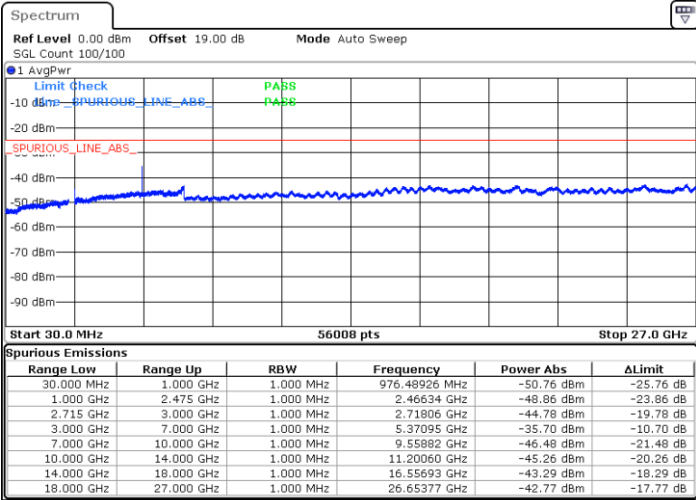
Date: 20.DEC.2020 20:45:51



LTE Band 41 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



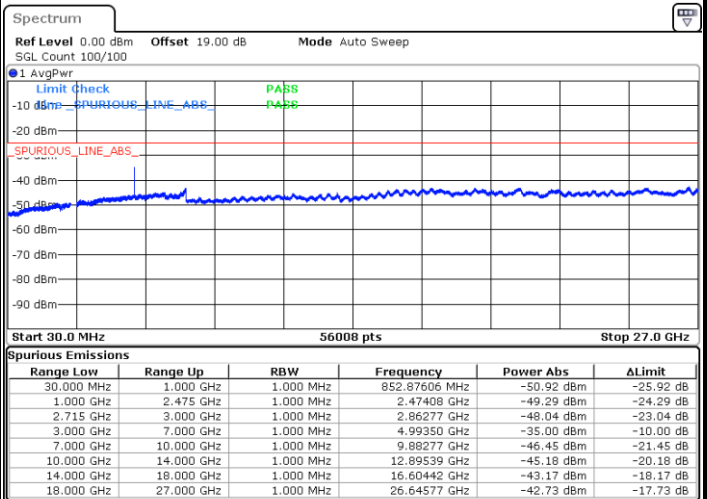
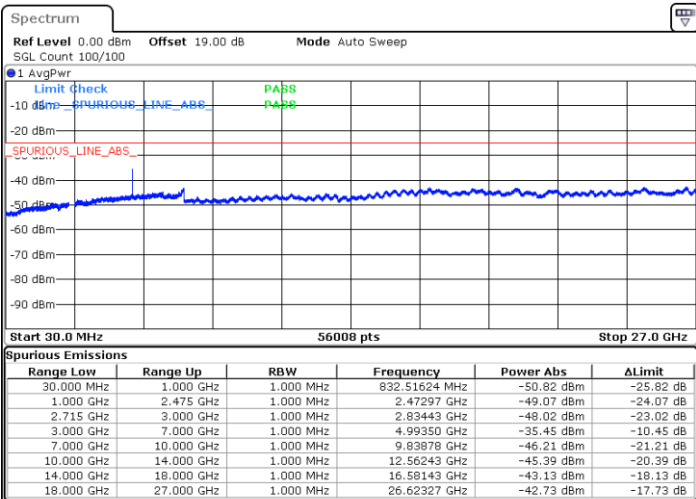
Date: 20.DEC.2020 20:55:07

Date: 20.DEC.2020 20:51:49

LTE Band 41 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 20.DEC.2020 22:00:15

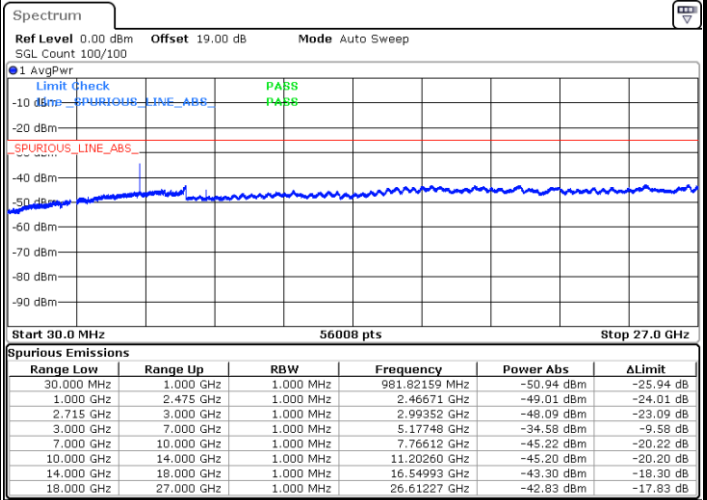
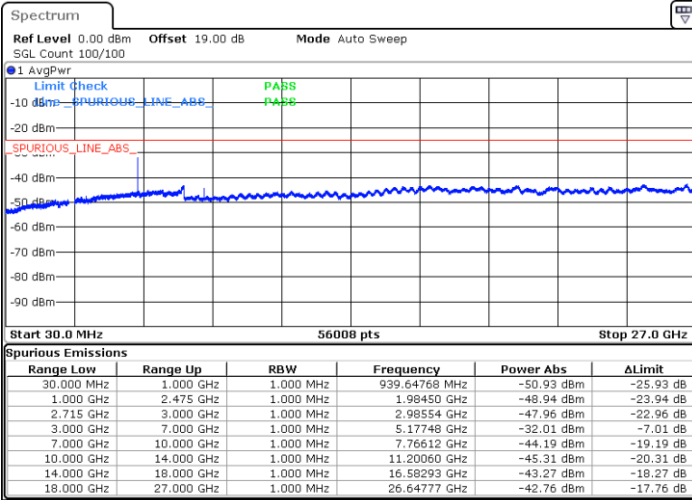
Date: 20.DEC.2020 21:56:44



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

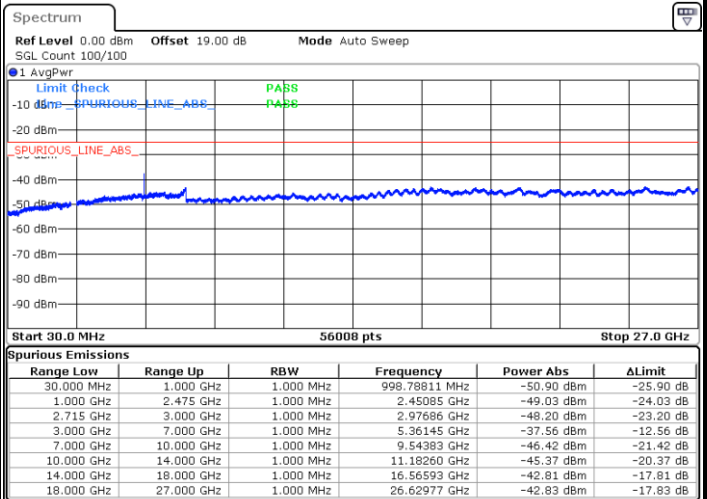
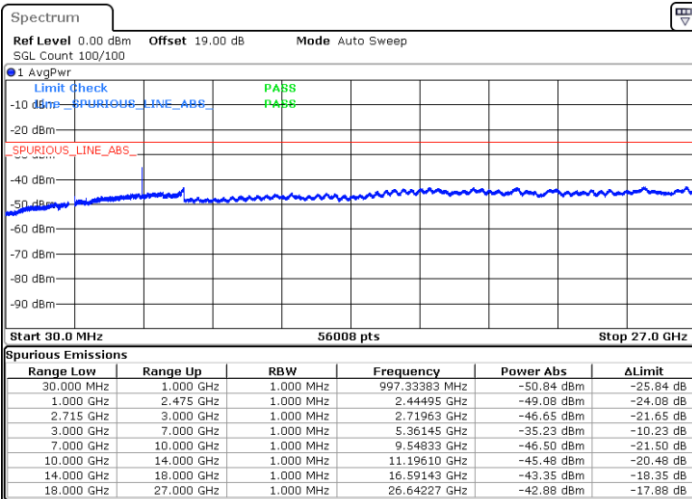


Date: 20.DEC.2020 22:07:56

Date: 20.DEC.2020 22:09:24

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 20.DEC.2020 22:27:27

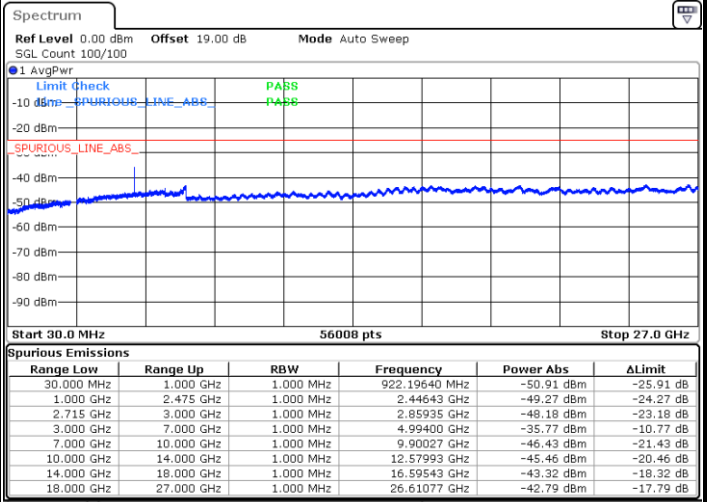
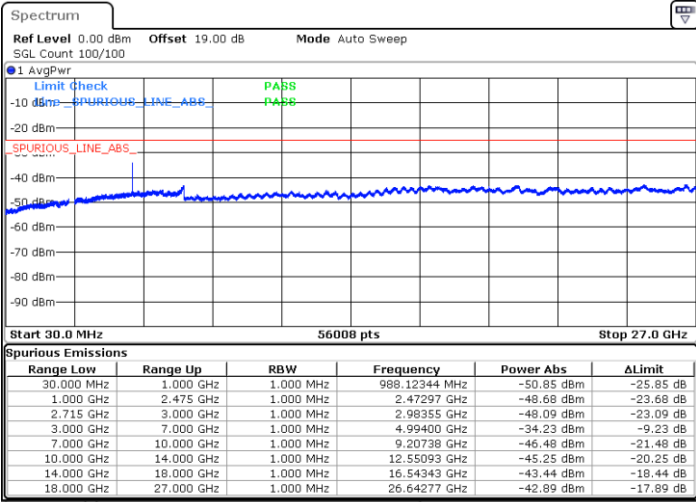
Date: 20.DEC.2020 22:14:31



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

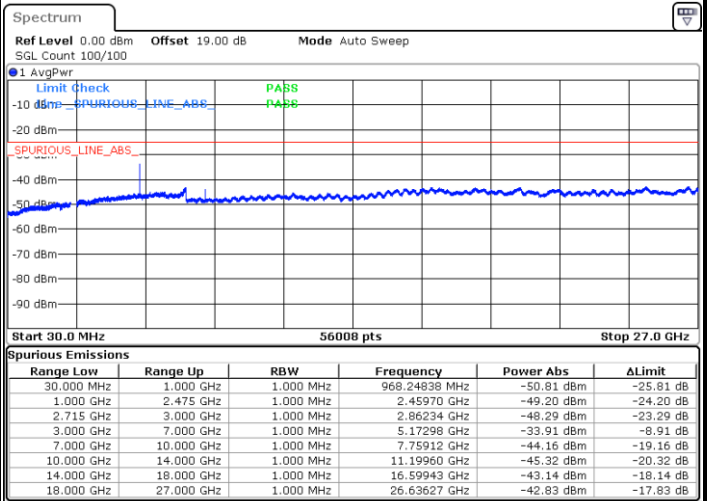
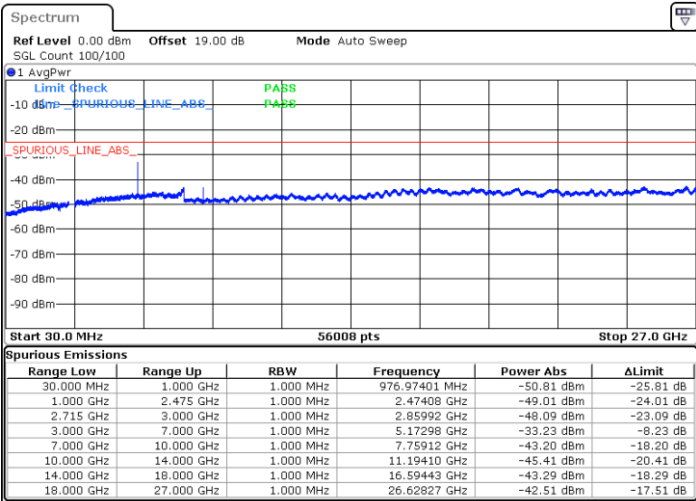


Date: 20.DEC.2020 23:51:15

Date: 20.DEC.2020 23:47:12

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 20.DEC.2020 23:53:16

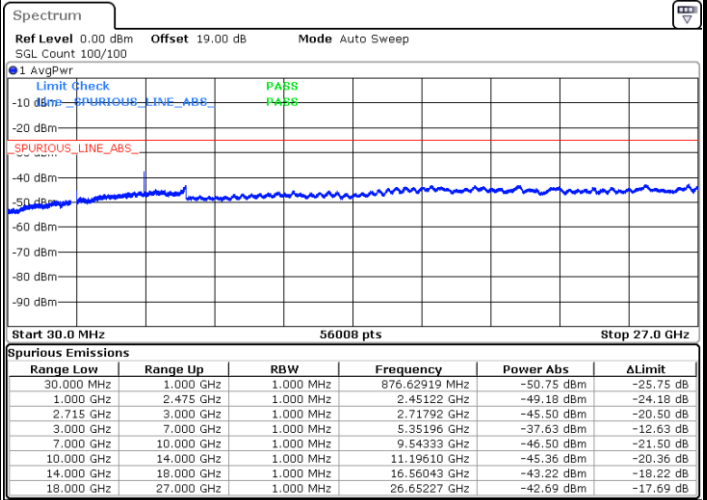
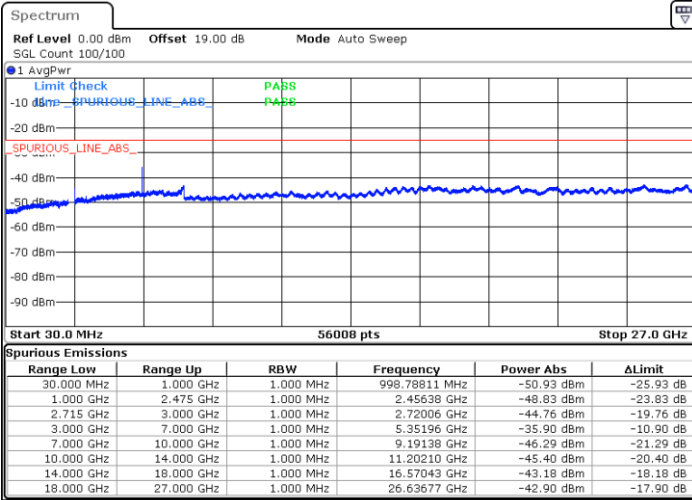
Date: 20.DEC.2020 23:55:17



LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



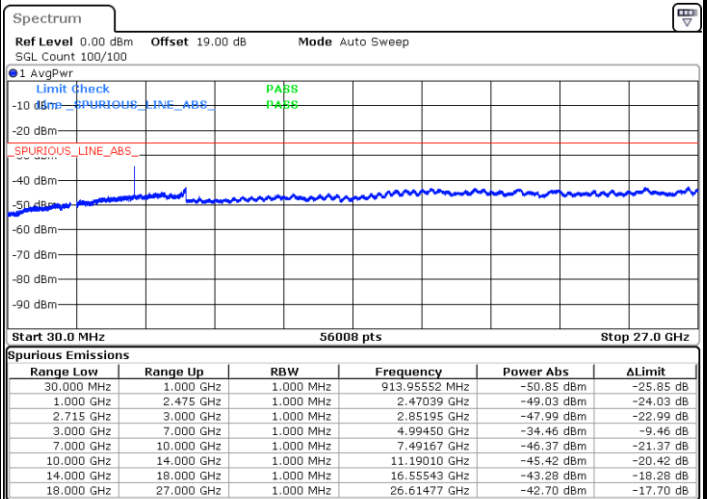
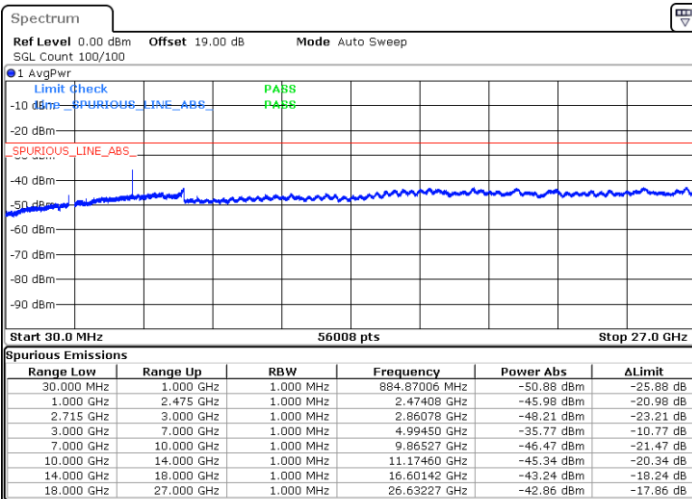
Date: 21.DEC.2020 00:02:29

Date: 21.DEC.2020 00:00:53

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 21.DEC.2020 01:21:13

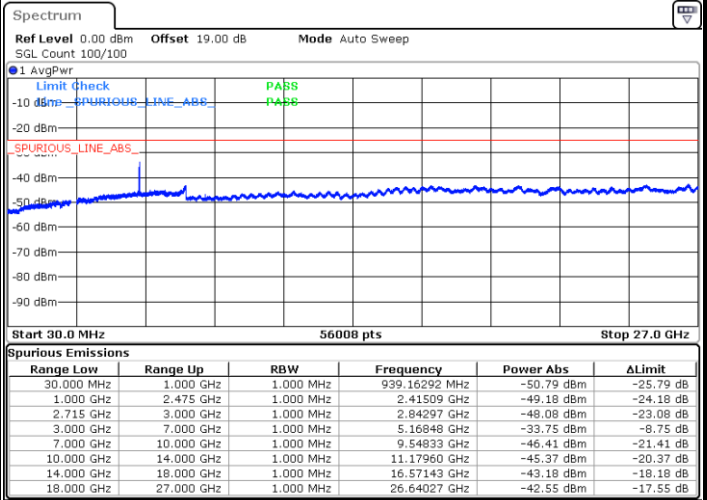
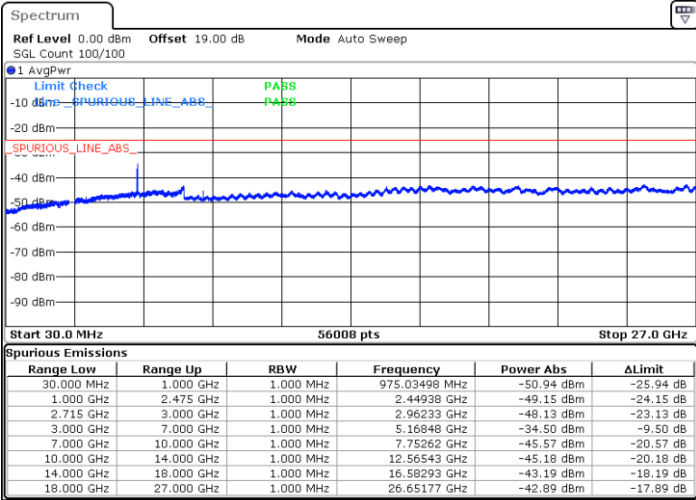
Date: 21.DEC.2020 01:18:21



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

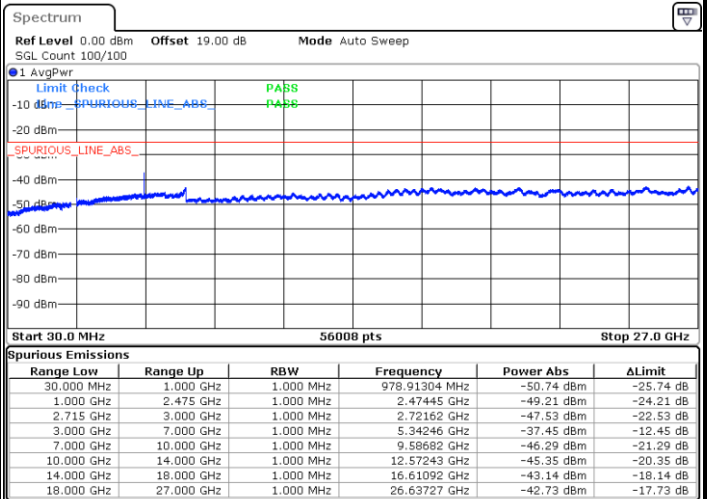
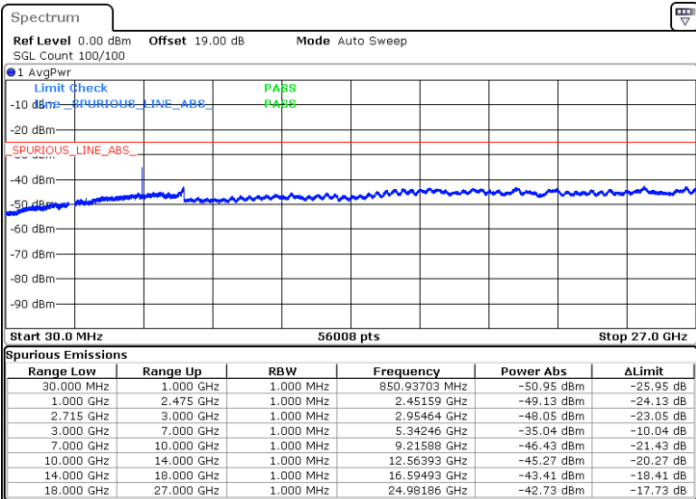


Date: 21.DEC.2020 01:25:43

Date: 21.DEC.2020 01:27:05

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 21.DEC.2020 01:33:02

Date: 21.DEC.2020 01:31:38

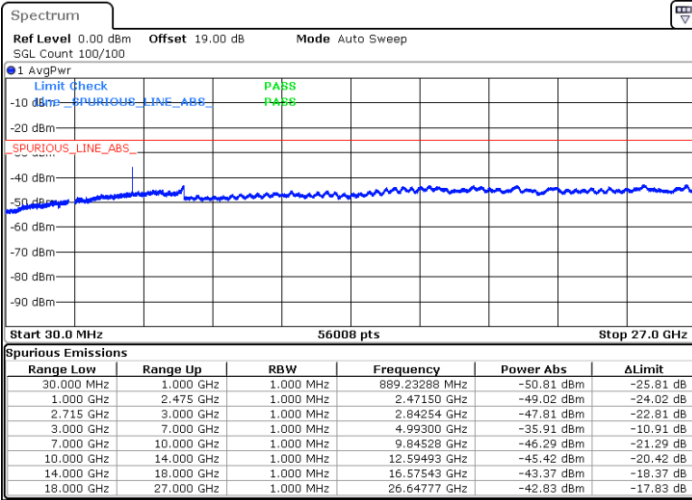




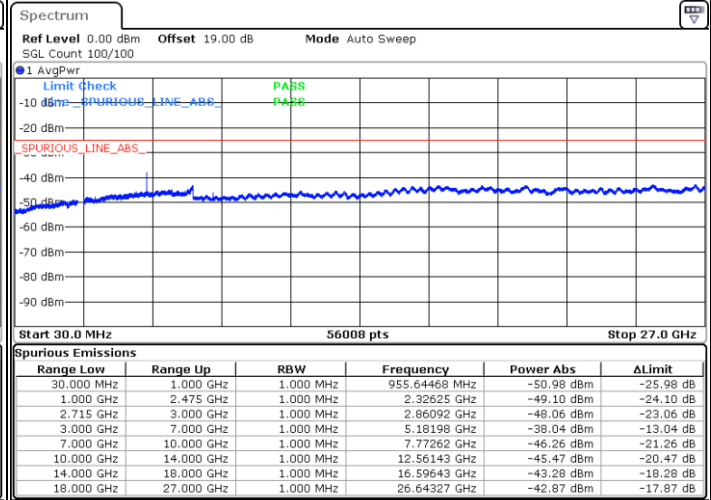
LTE Band 41 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

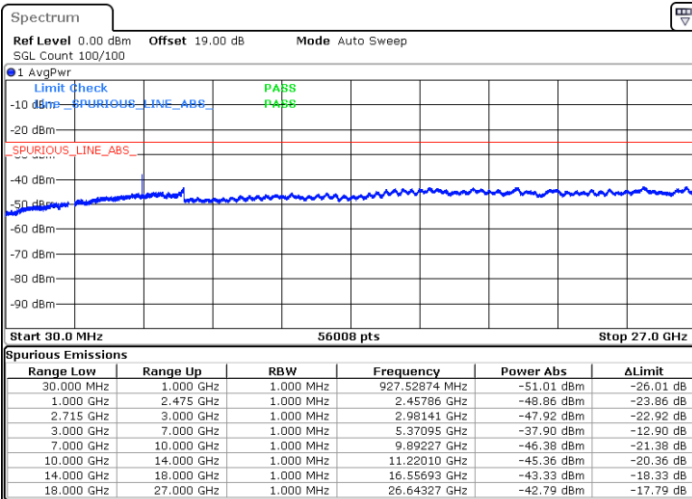


Date: 20.DEC.2020 19:57:26



Date: 20.DEC.2020 20:47:21

Highest Channel / 64QAM



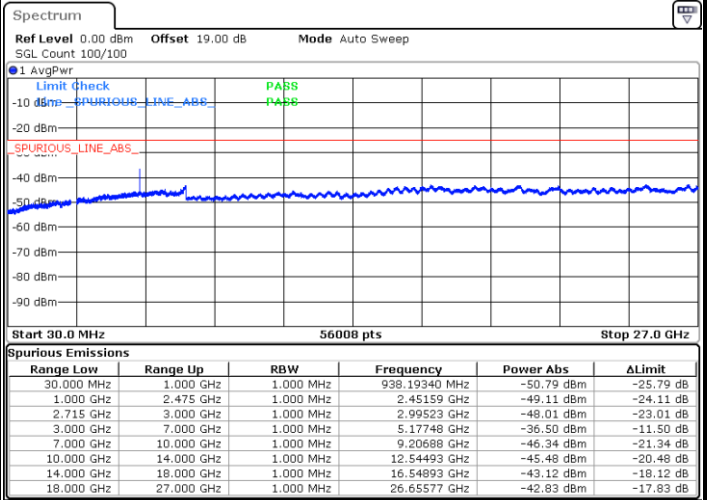
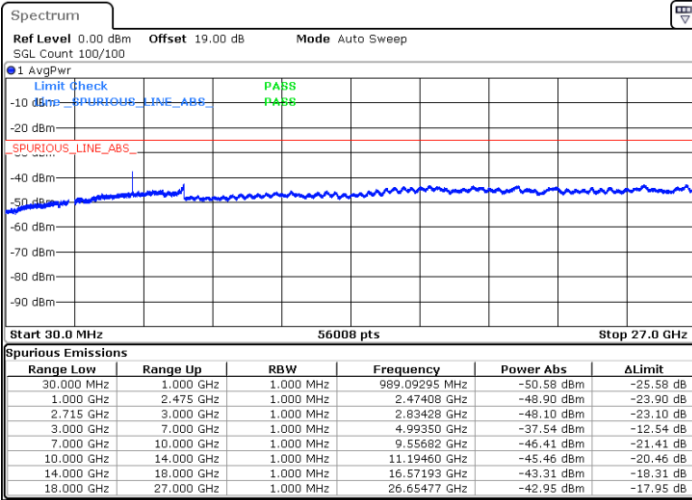
Date: 20.DEC.2020 20:50:24



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

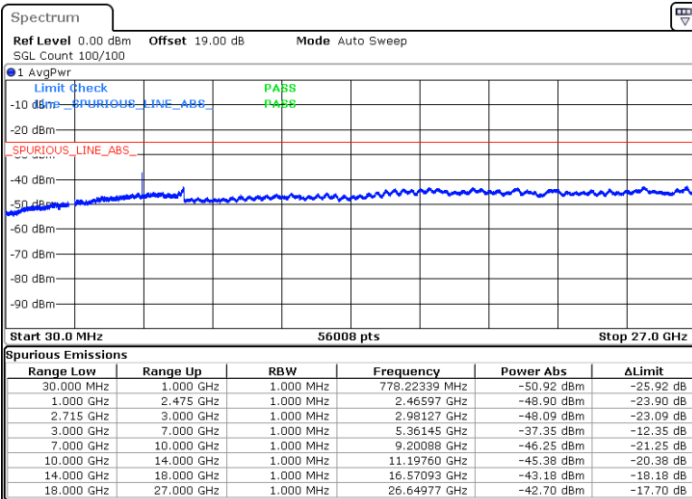
Middle Channel / 64QAM



Date: 20.DEC.2020 21:52:35

Date: 20.DEC.2020 22:10:48

Highest Channel / 64QAM



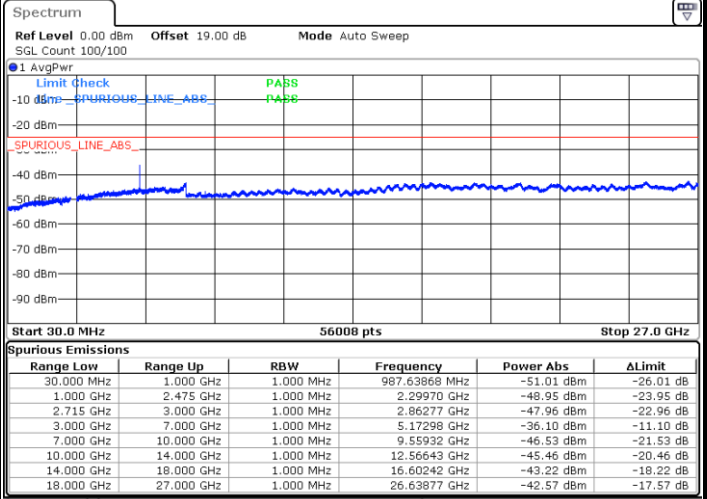
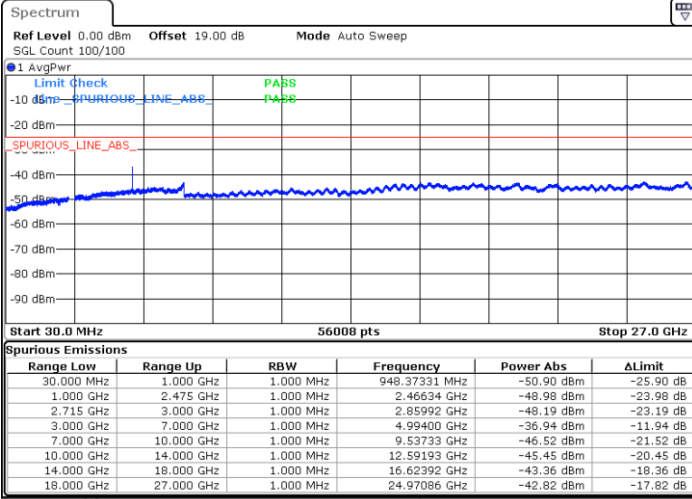
Date: 20.DEC.2020 22:12:57



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

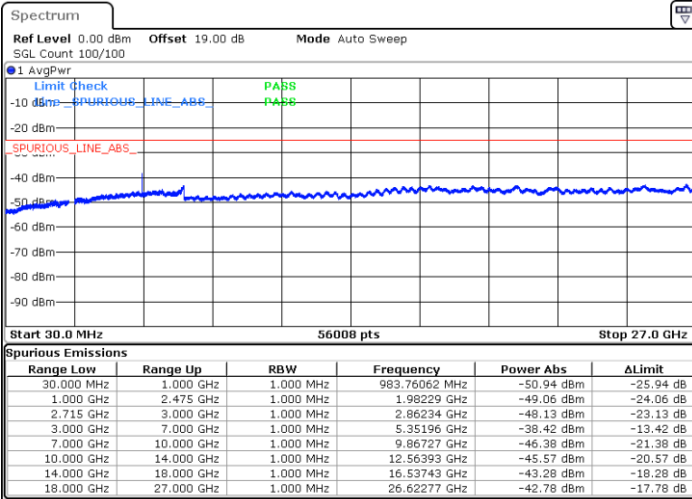
Middle Channel / 64QAM



Date: 20.DEC.2020 23:43:35

Date: 20.DEC.2020 23:56:46

Highest Channel / 64QAM



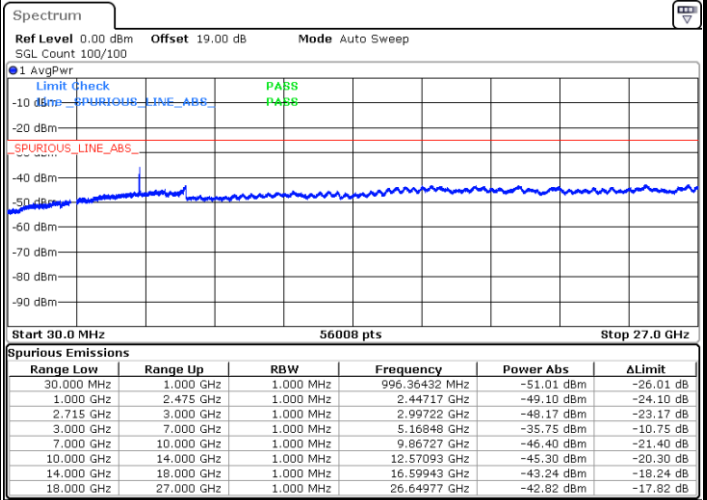
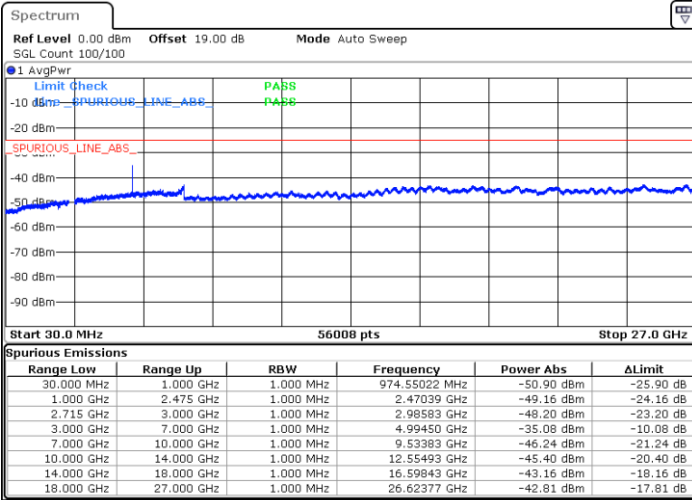
Date: 20.DEC.2020 23:59:23



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

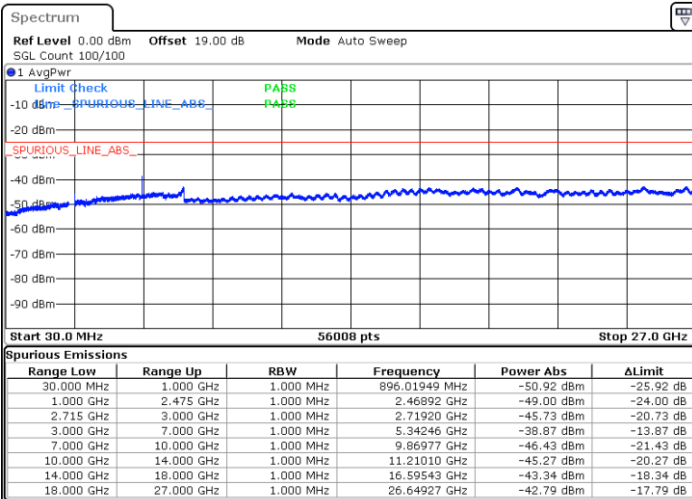
Middle Channel / 64QAM



Date: 21.DEC.2020 01:15:26

Date: 21.DEC.2020 01:28:29

Highest Channel / 64QAM



Date: 21.DEC.2020 01:30:17



### 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    | 0.0045                              | PASS    |
| 40               | Normal Voltage    | 0.0018                              |         |
| 30               | Normal Voltage    | 0.0029                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0037                              |         |
| 0                | Normal Voltage    | 0.0089                              |         |
| -10              | Normal Voltage    | 0.0076                              |         |
| -20              | Normal Voltage    | 0.0065                              |         |
| -30              | Normal Voltage    | 0.0051                              |         |
| 20               | Maximum Voltage   | 0.0032                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0027                              |         |

**Note:**

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 71

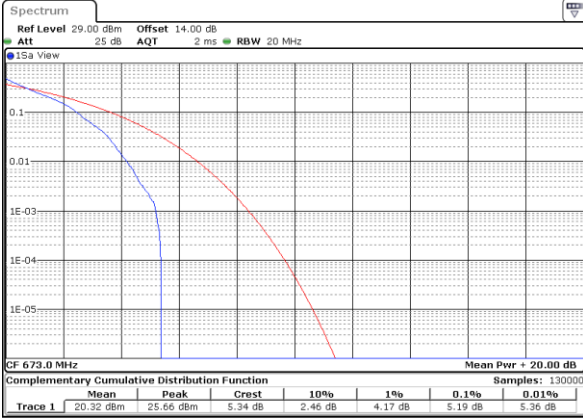
## Peak-to-Average Ratio

| Mode       | LTE Band 71 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 5.19                | 5.28    | 5.59  | 6.03    | <b>PASS</b> |
| Middle CH  | 5.07                | 5.10    | 6.20  | 5.86    |             |
| Highest CH | 5.54                | 5.28    | 6.03  | 6.06    |             |
| Mode       | LTE Band 71 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 5.42                | 6.09    | -     | -       | <b>PASS</b> |
| Middle CH  | 6.29                | 5.94    | -     | -       |             |
| Highest CH | 6.26                | 6.17    | -     | -       |             |



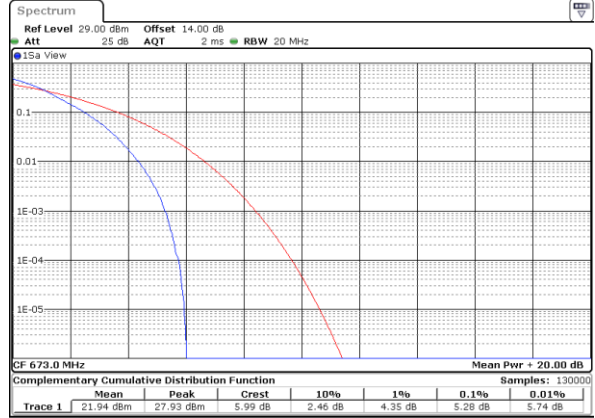
LTE Band 71 / 20MHz / QPSK

Lowest Channel / 1RB



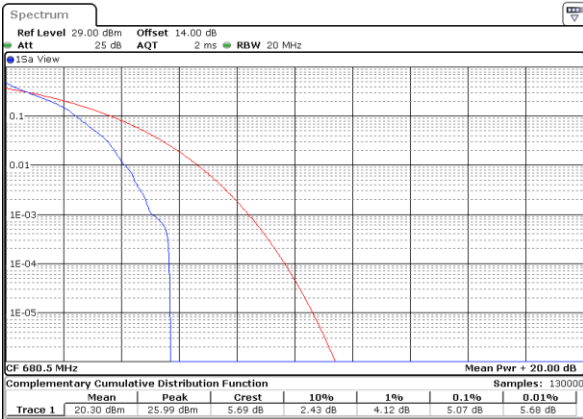
Date: 26.DEC.2020 19:37:43

Lowest Channel / Full RB



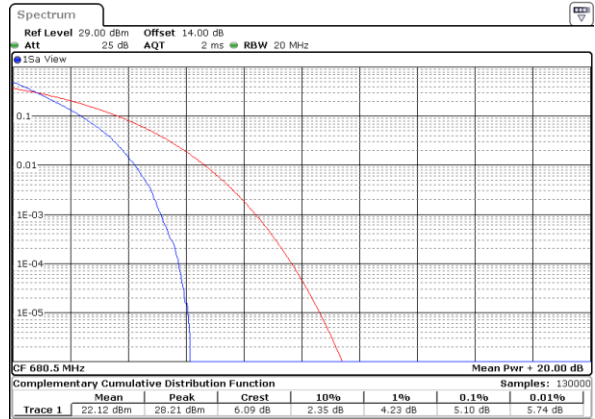
Date: 26.DEC.2020 19:35:43

Middle Channel / 1RB



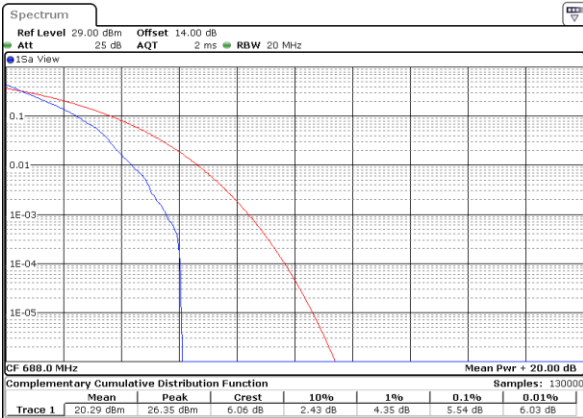
Date: 26.DEC.2020 19:38:17

Middle Channel / Full RB



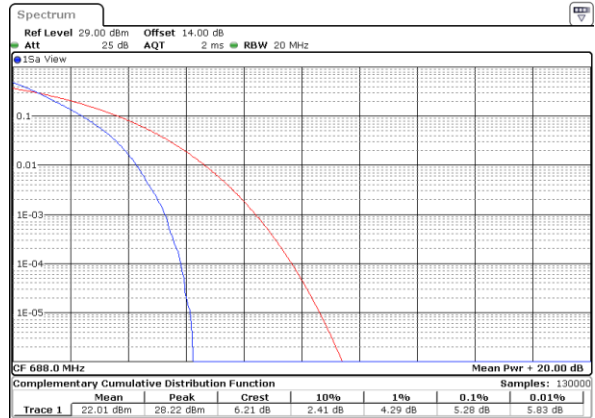
Date: 26.DEC.2020 19:39:32

Highest Channel / 1RB



Date: 26.DEC.2020 19:41:18

Highest Channel / Full RB

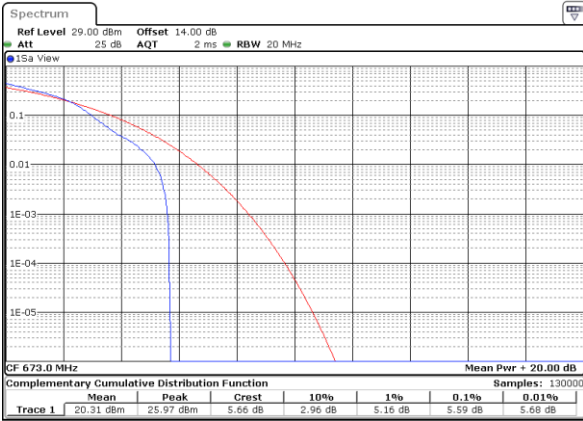


Date: 26.DEC.2020 19:40:10



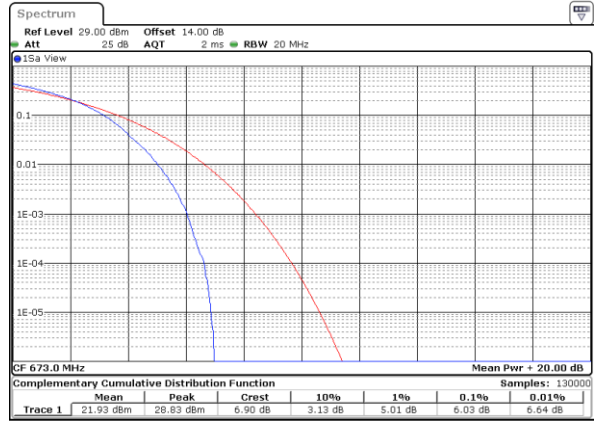
LTE Band 71 / 20MHz / 16QAM

Lowest Channel / 1RB



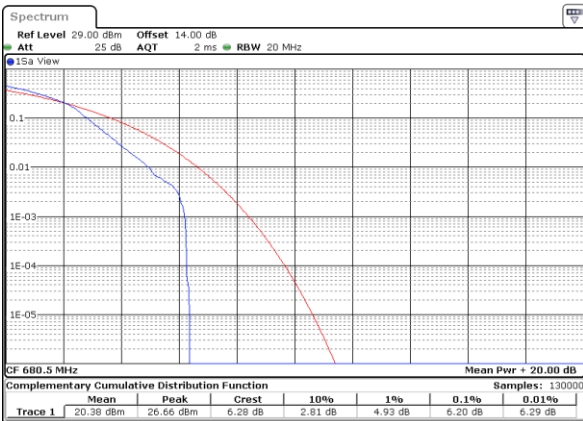
Date: 26.DEC.2020 19:37:30

Lowest Channel / Full RB



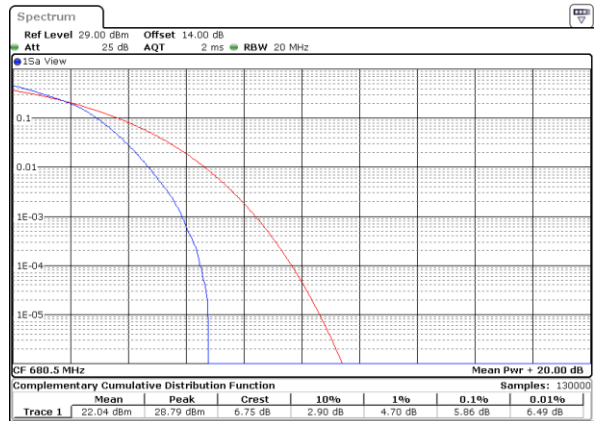
Date: 26.DEC.2020 19:35:58

Middle Channel / 1RB



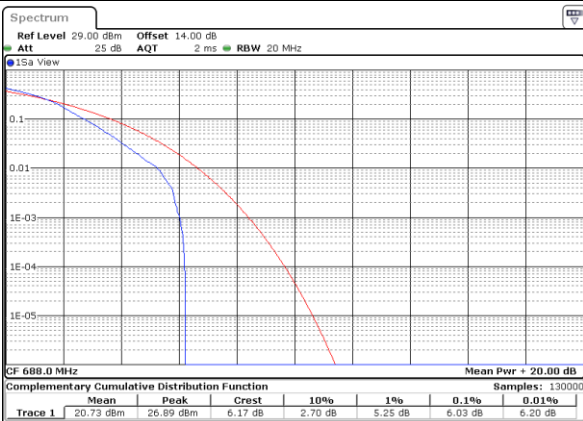
Date: 26.DEC.2020 19:38:01

Middle Channel / Full RB



Date: 26.DEC.2020 19:39:20

Highest Channel / 1RB



Date: 26.DEC.2020 19:41:05

Highest Channel / Full RB



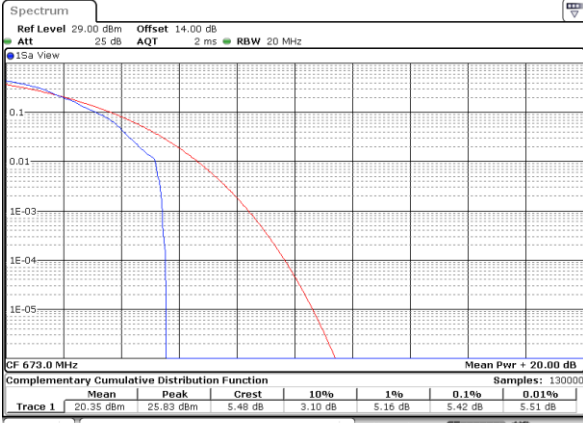
Date: 26.DEC.2020 19:40:22





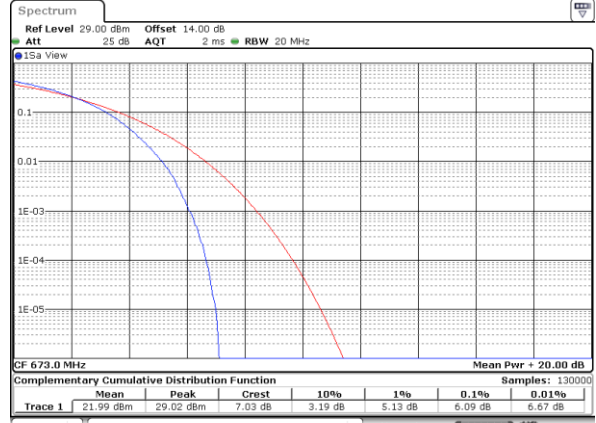
LTE Band 71 / 20MHz / 64QAM

Lowest Channel / 1RB



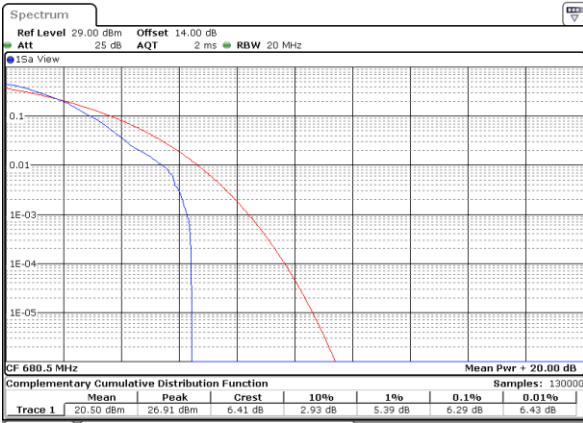
Date: 26.DEC.2020 19:37:15

Lowest Channel / Full RB



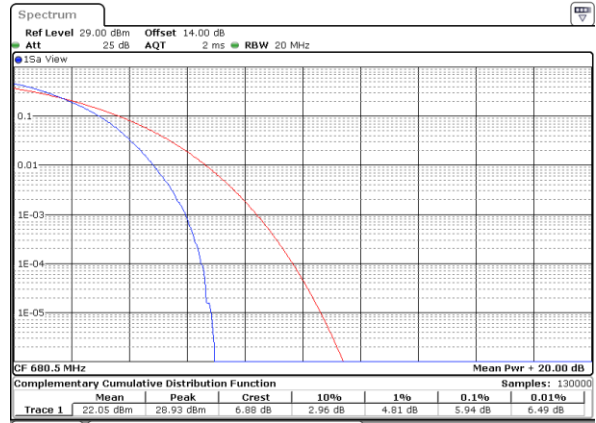
Date: 26.DEC.2020 19:36:29

Middle Channel / 1RB



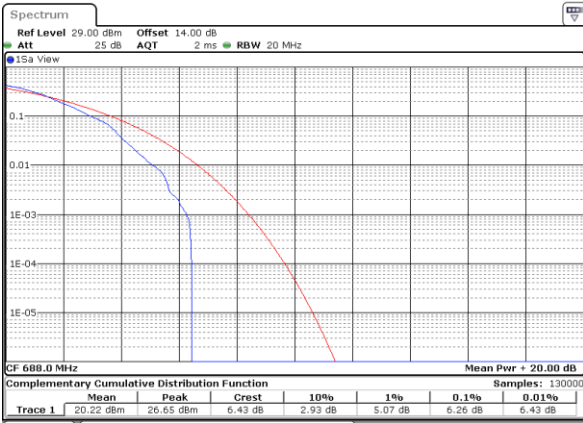
Date: 26.DEC.2020 19:38:44

Middle Channel / Full RB



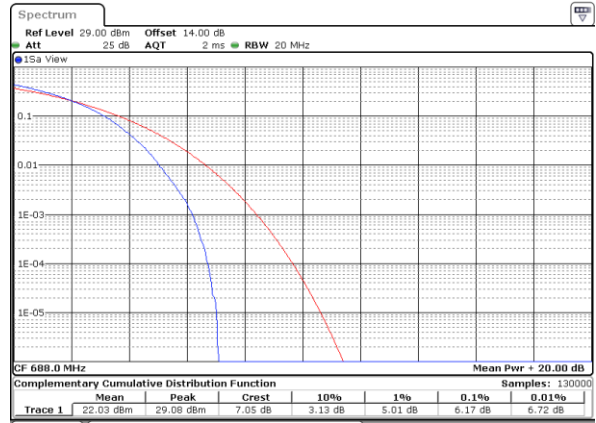
Date: 26.DEC.2020 19:39:05

Highest Channel / 1RB



Date: 26.DEC.2020 19:40:53

Highest Channel / Full RB



Date: 26.DEC.2020 19:40:34



26dB Bandwidth

| Mode       | LTE Band 71 : 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  | -                          | -     | -     | -     | 4.88  | 4.96  | 9.73  | 9.71  | 14.24 | 14.18 | 18.82 | 18.94 |
| Middle CH  | -                          | -     | -     | -     | 4.89  | 4.87  | 9.83  | 9.73  | 14.24 | 14.51 | 19.02 | 18.90 |
| Highest CH | -                          | -     | -     | -     | 4.88  | 4.87  | 9.85  | 9.77  | 14.39 | 14.27 | 18.86 | 18.86 |
| Mode       | LTE Band 71 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                          | -     | -     | -     | 4.91  | -     | 9.81  | -     | 14.24 | -     | 18.98 | -     |
| Middle CH  | -                          | -     | -     | -     | 4.95  | -     | 9.95  | -     | 14.48 | -     | 18.94 | -     |
| Highest CH | -                          | -     | -     | -     | 4.89  | -     | 9.75  | -     | 14.21 | -     | 18.86 | -     |