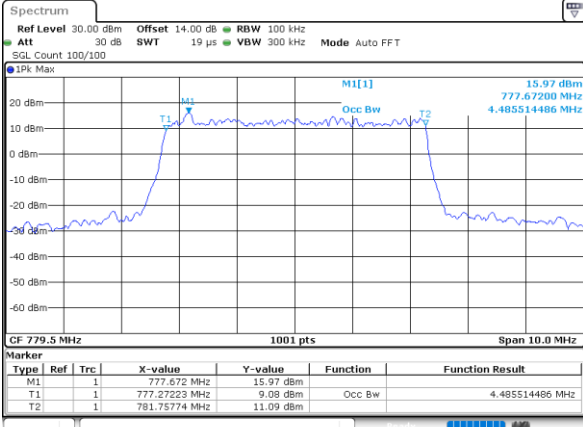




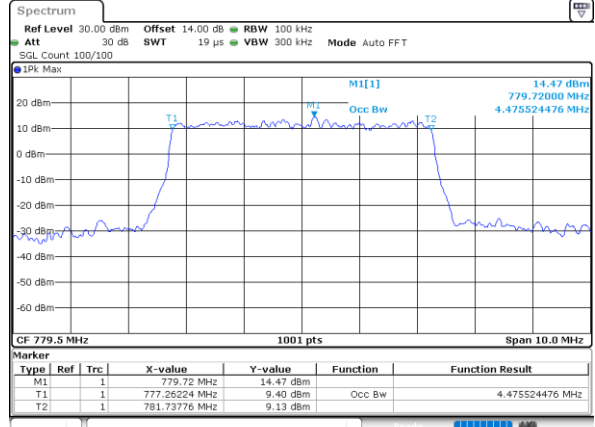
LTE Band 13

Lowest Channel / 5MHz / QPSK



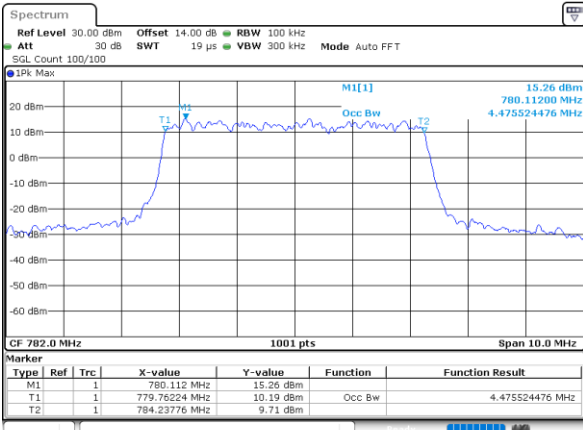
Date: 1.MAR.2023 12:22:14

Lowest Channel / 5MHz / 16QAM



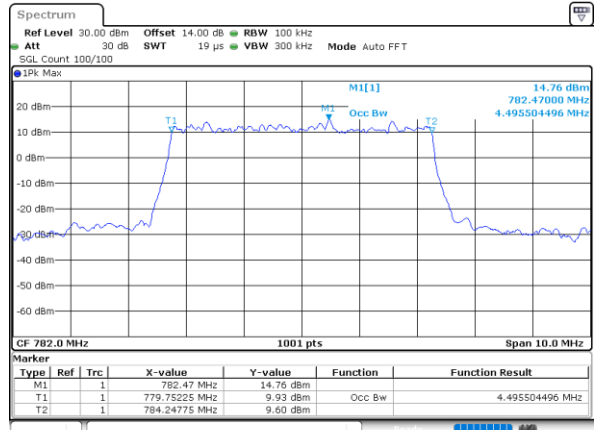
Date: 1.MAR.2023 12:22:58

Middle Channel / 5MHz / QPSK



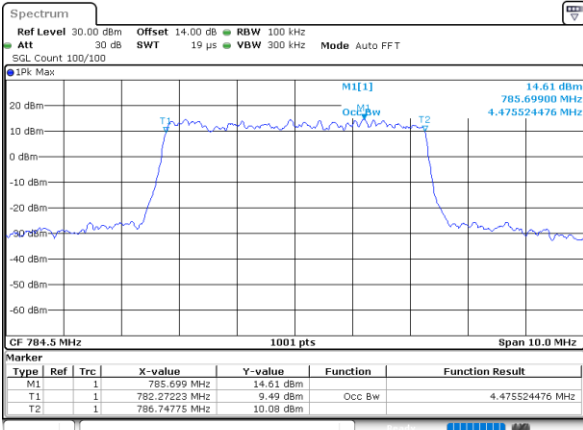
Date: 1.MAR.2023 12:35:14

Middle Channel / 5MHz / 16QAM



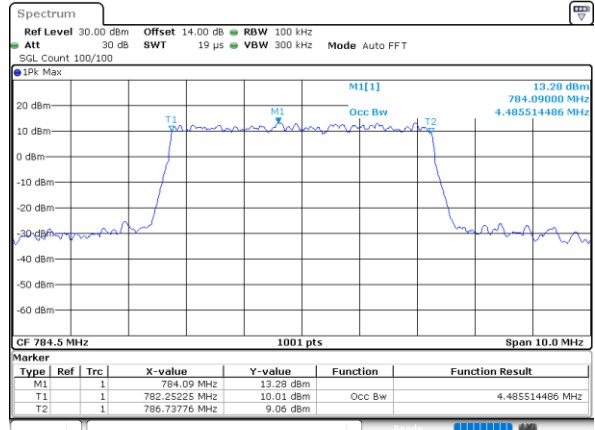
Date: 1.MAR.2023 12:34:51

Highest Channel / 5MHz / QPSK



Date: 1.MAR.2023 12:35:38

Highest Channel / 5MHz / 16QAM

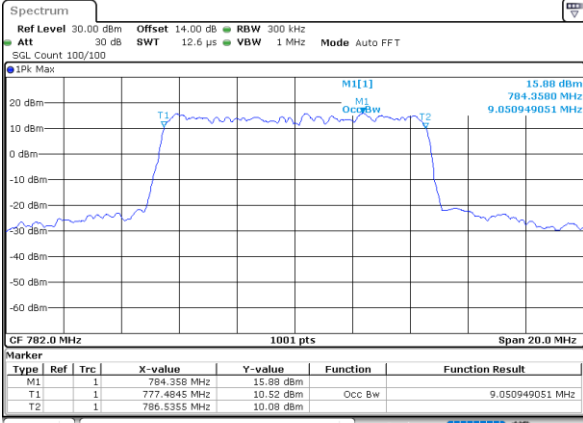


Date: 1.MAR.2023 12:36:02



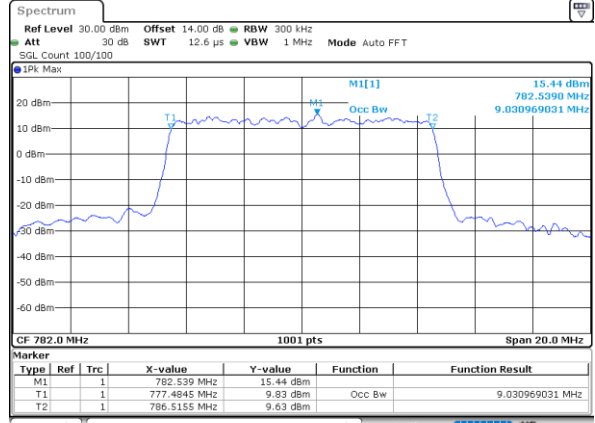
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 1.MAR.2023 12:56:51

Middle Channel / 10MHz / 16QAM



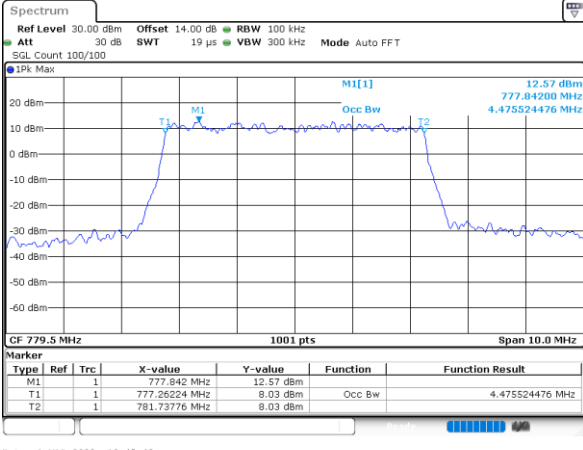
Date: 1.MAR.2023 12:57:15



LTE Band 13

Lowest Channel / 5MHz / 64QAM

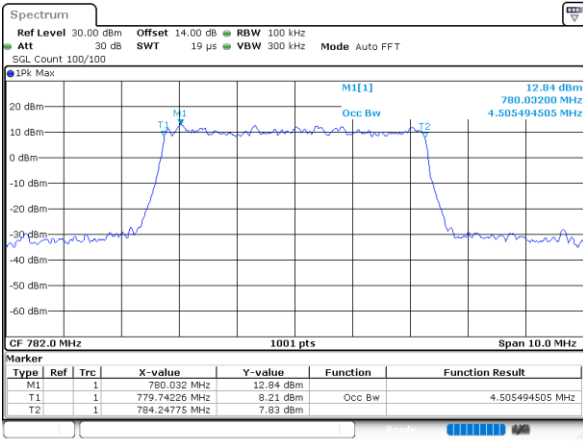
NA



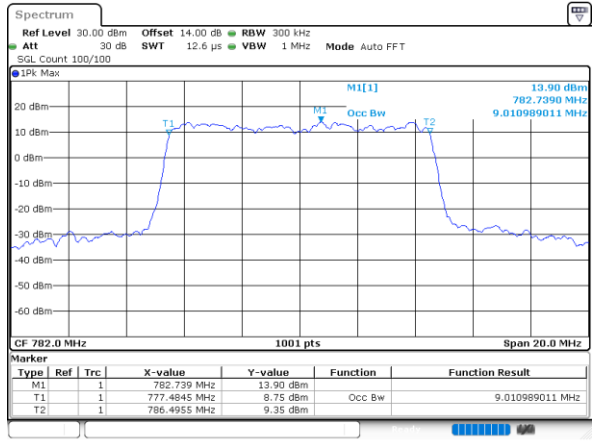
Date: 1.MAR.2023 12:45:49

Middle Channel / 5MHz / 64QAM

Middle Channel / 10MHz / 64QAM



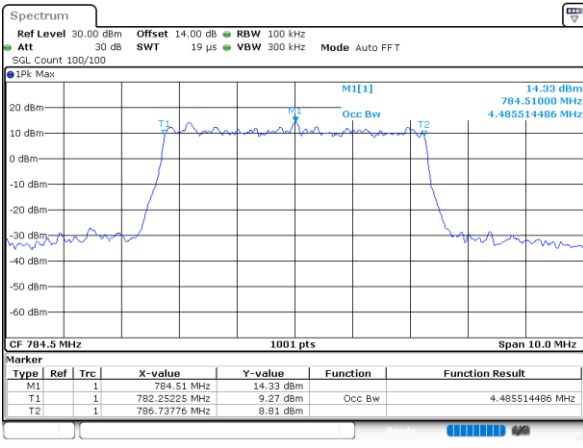
Date: 1.MAR.2023 12:51:32



Date: 1.MAR.2023 13:10:41

Highest Channel / 5MHz / 64QAM

NA



Date: 1.MAR.2023 12:51:55

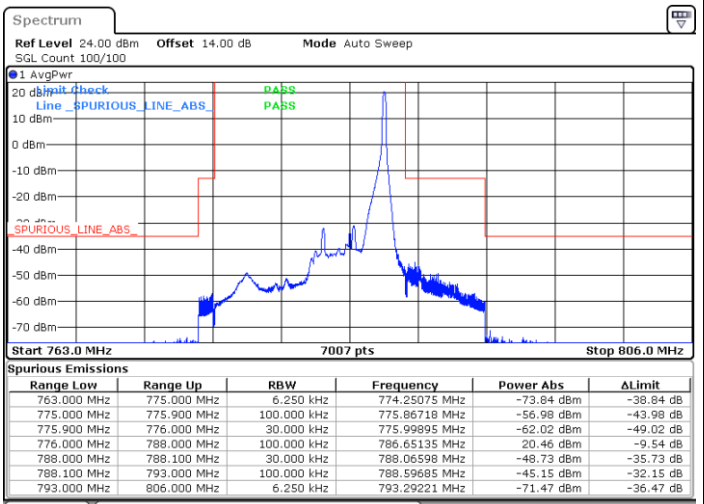
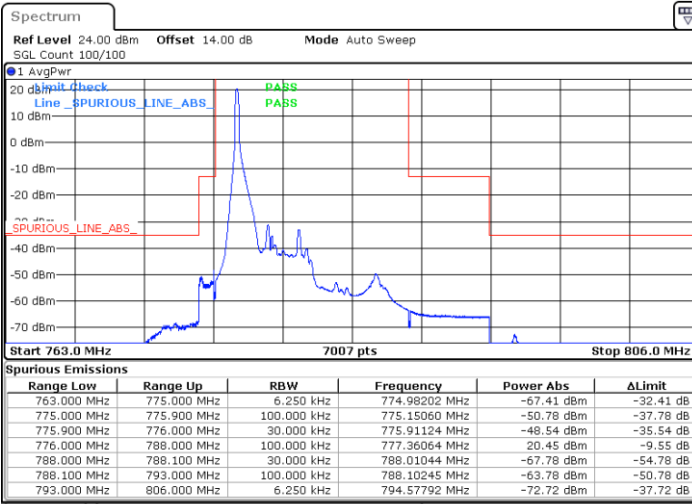


Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

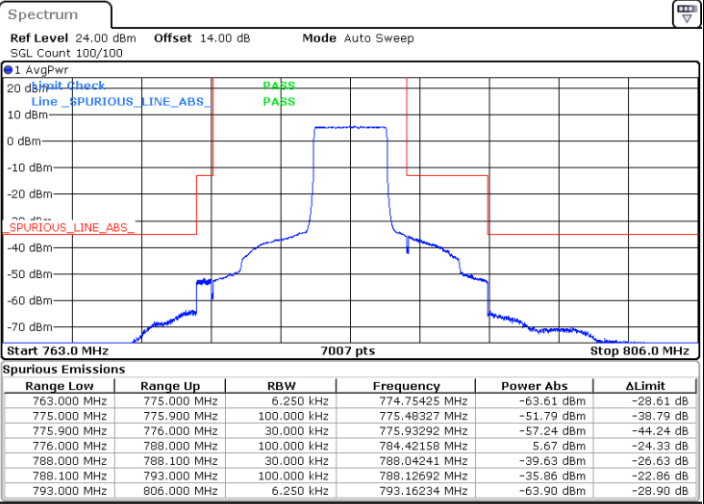
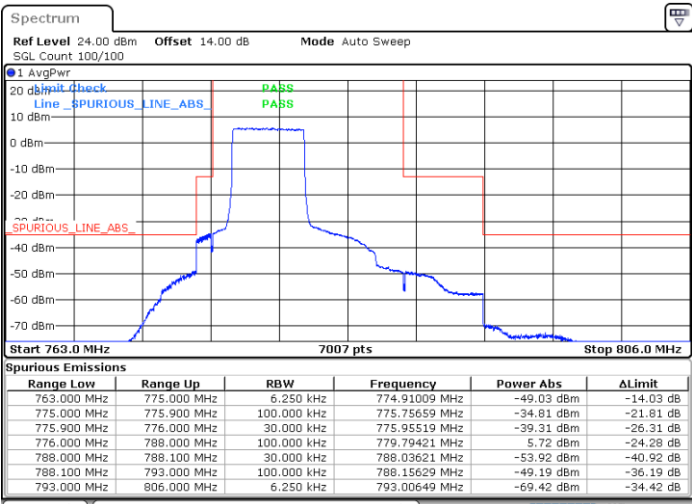


Date: 1.MAR.2023 12:30:57

Date: 1.MAR.2023 12:44:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.MAR.2023 12:25:20

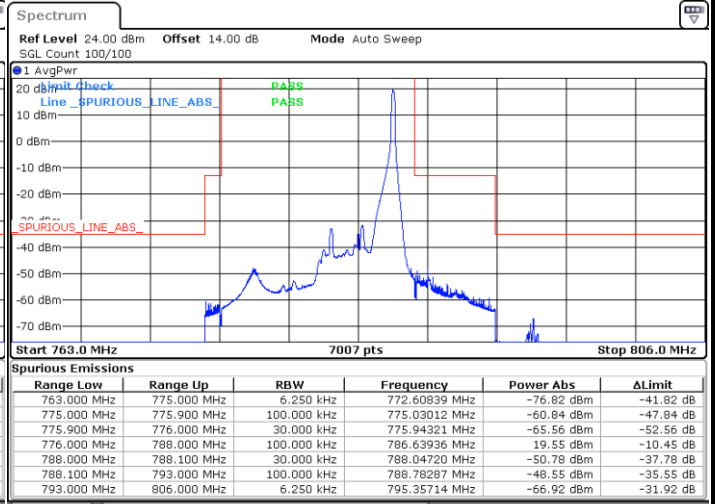
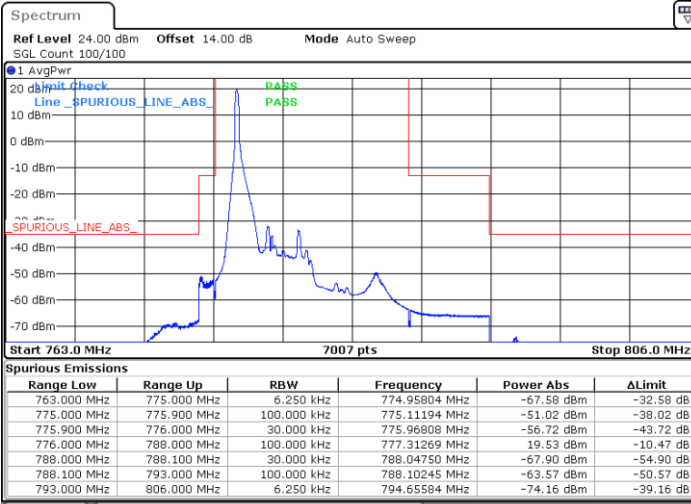
Date: 1.MAR.2023 12:38:23



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

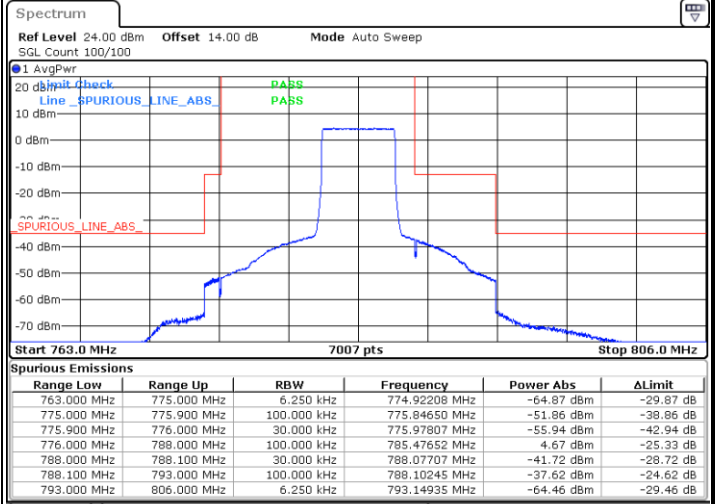
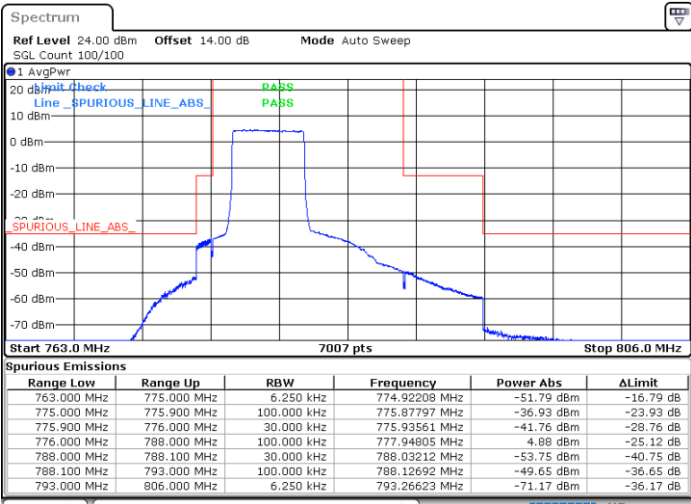


Date: 1.MAR.2023 12:29:04

Date: 1.MAR.2023 12:42:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.MAR.2023 12:27:12

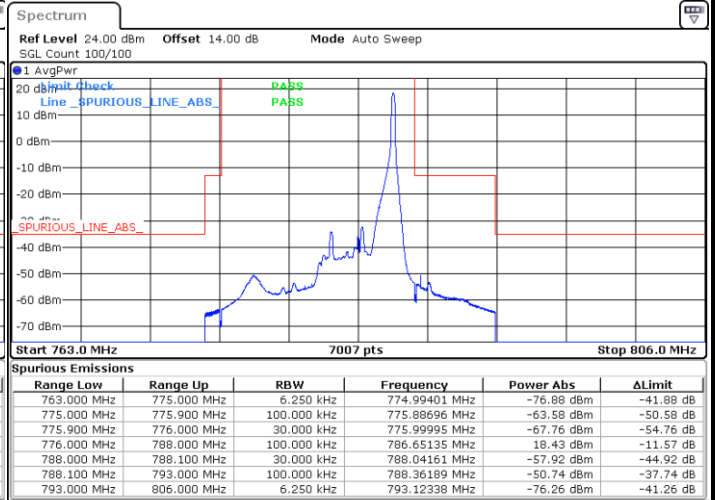
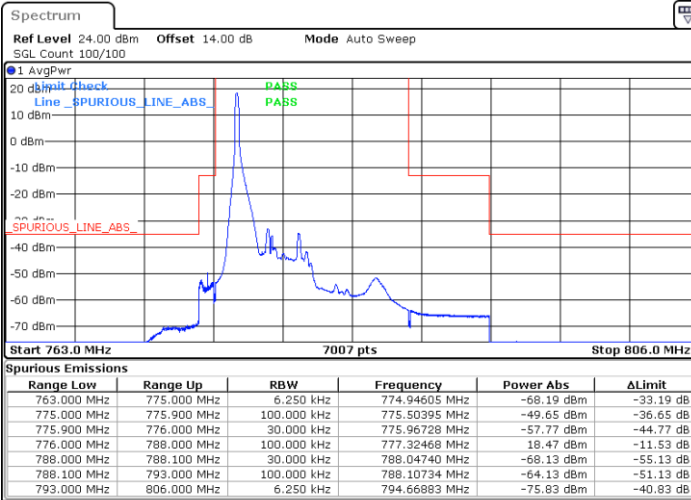
Date: 1.MAR.2023 12:40:15



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

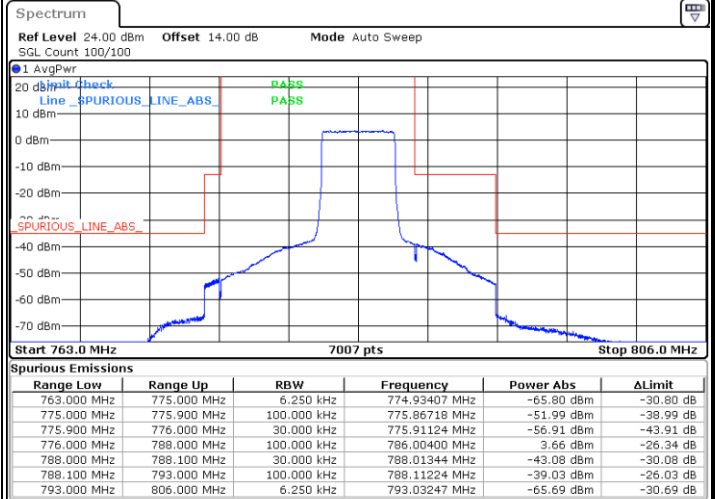
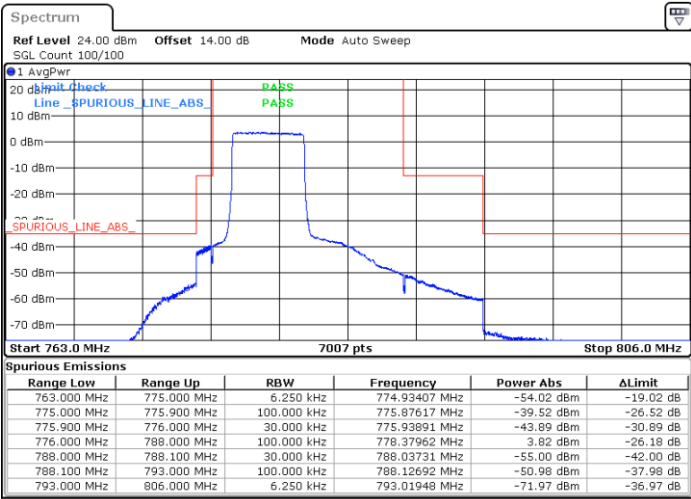


Date: 1.MAR.2023 12:49:39

Date: 1.MAR.2023 12:55:45

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.MAR.2023 12:47:47

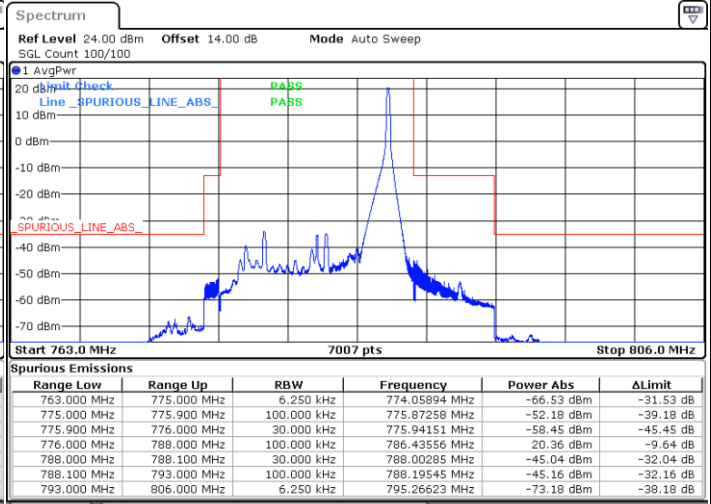
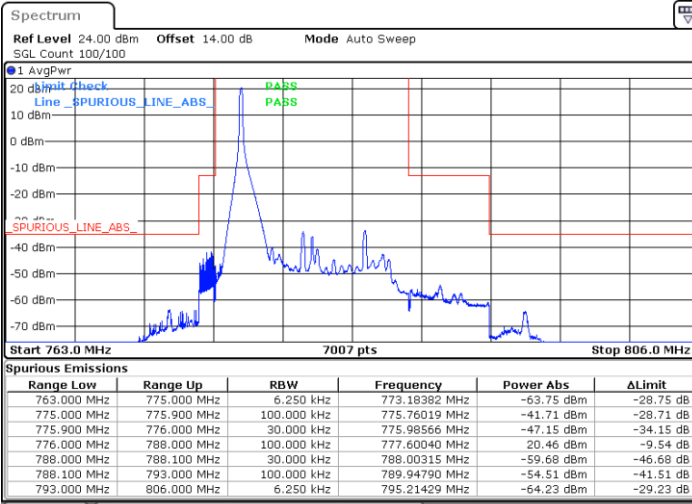
Date: 1.MAR.2023 12:53:53



LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

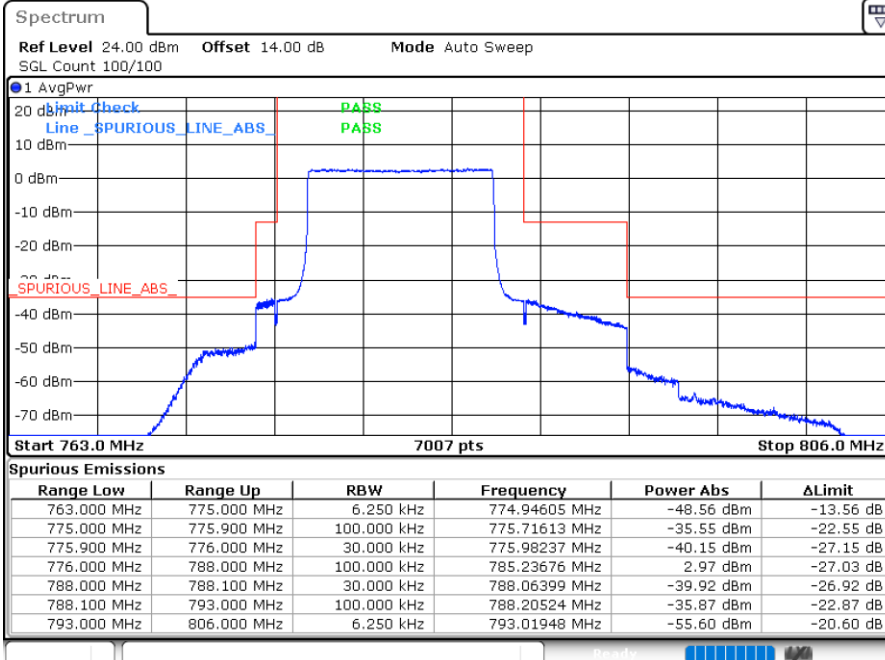
Highest Band Edge / 1 RB



Date: 1.MAR.2023 13:05:11

Date: 1.MAR.2023 13:07:03

Band Edge / Full RB



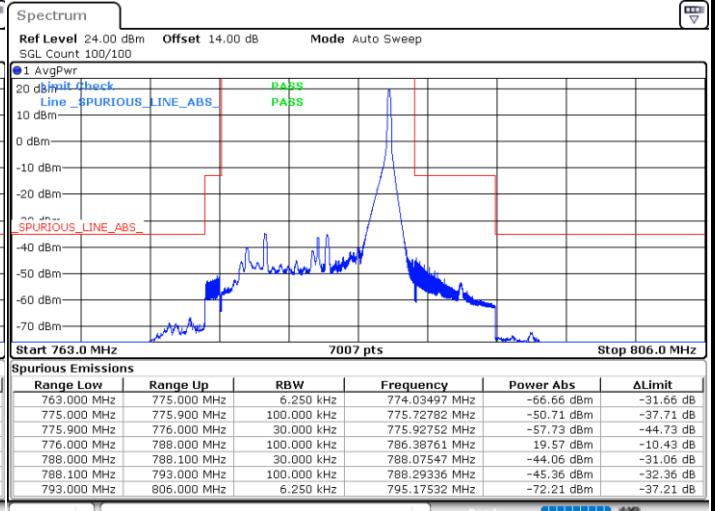
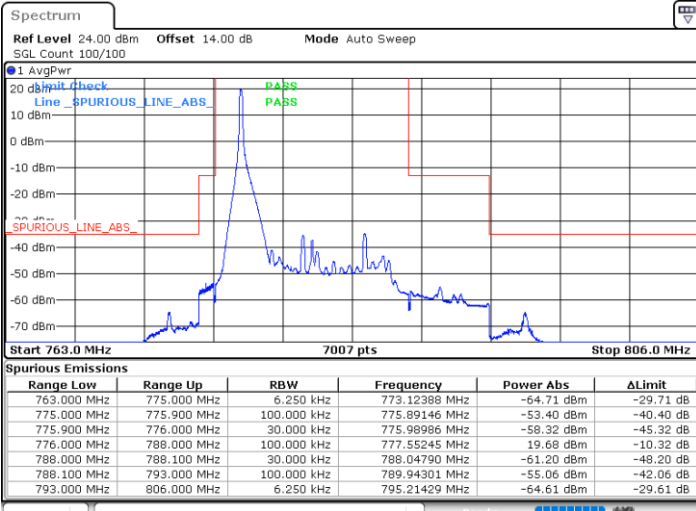
Date: 1.MAR.2023 12:59:36



LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

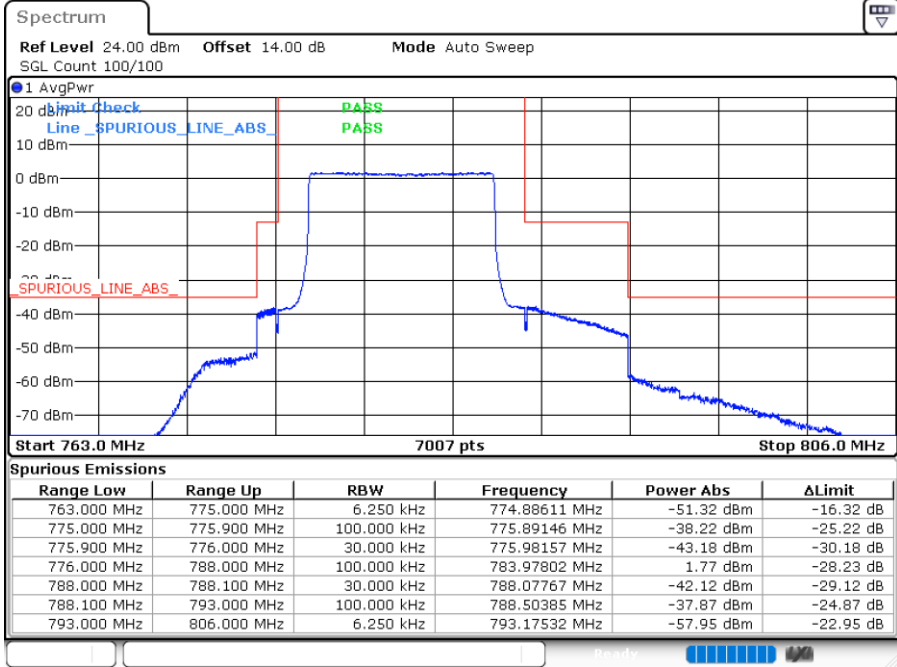
Highest Band Edge / 1 RB



Date: 1.MAR.2023 13:03:19

Date: 1.MAR.2023 13:08:54

Band Edge / Full RB



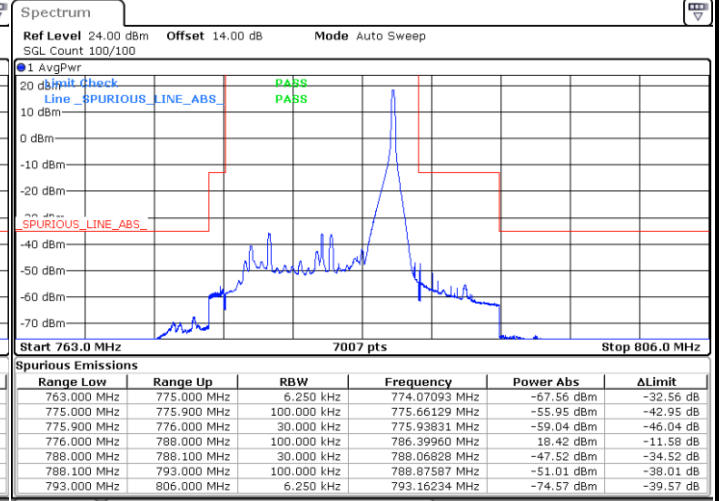
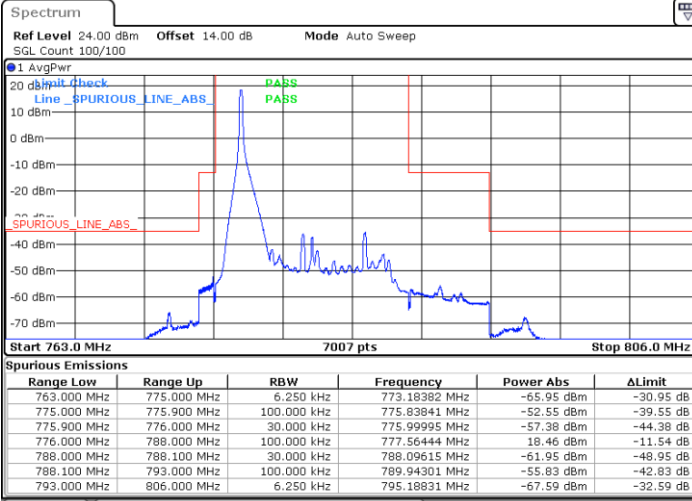
Date: 1.MAR.2023 13:01:28



LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

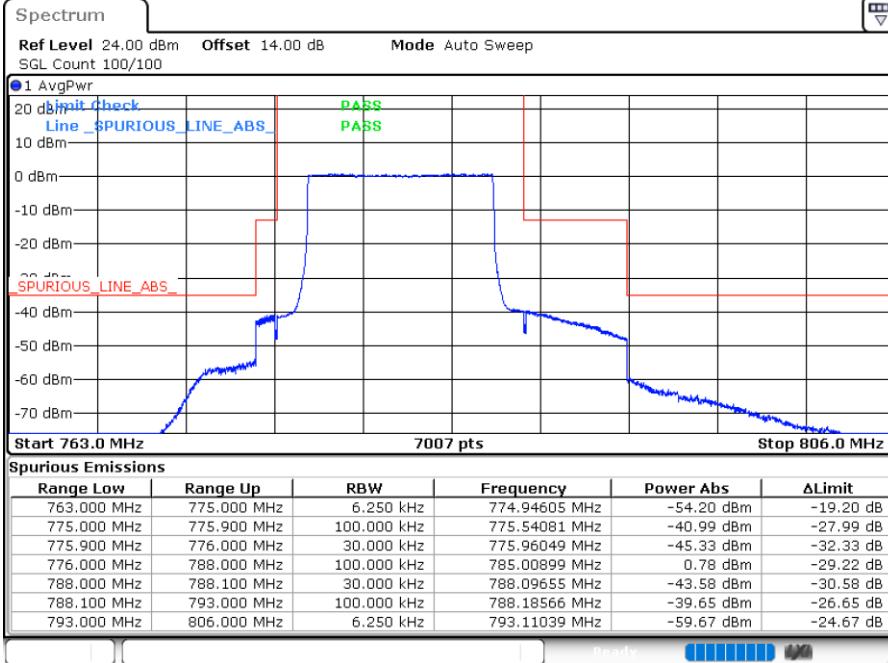
Highest Band Edge / 1 RB



Date: 1.MAR.2023 13:14:31

Date: 1.MAR.2023 13:16:23

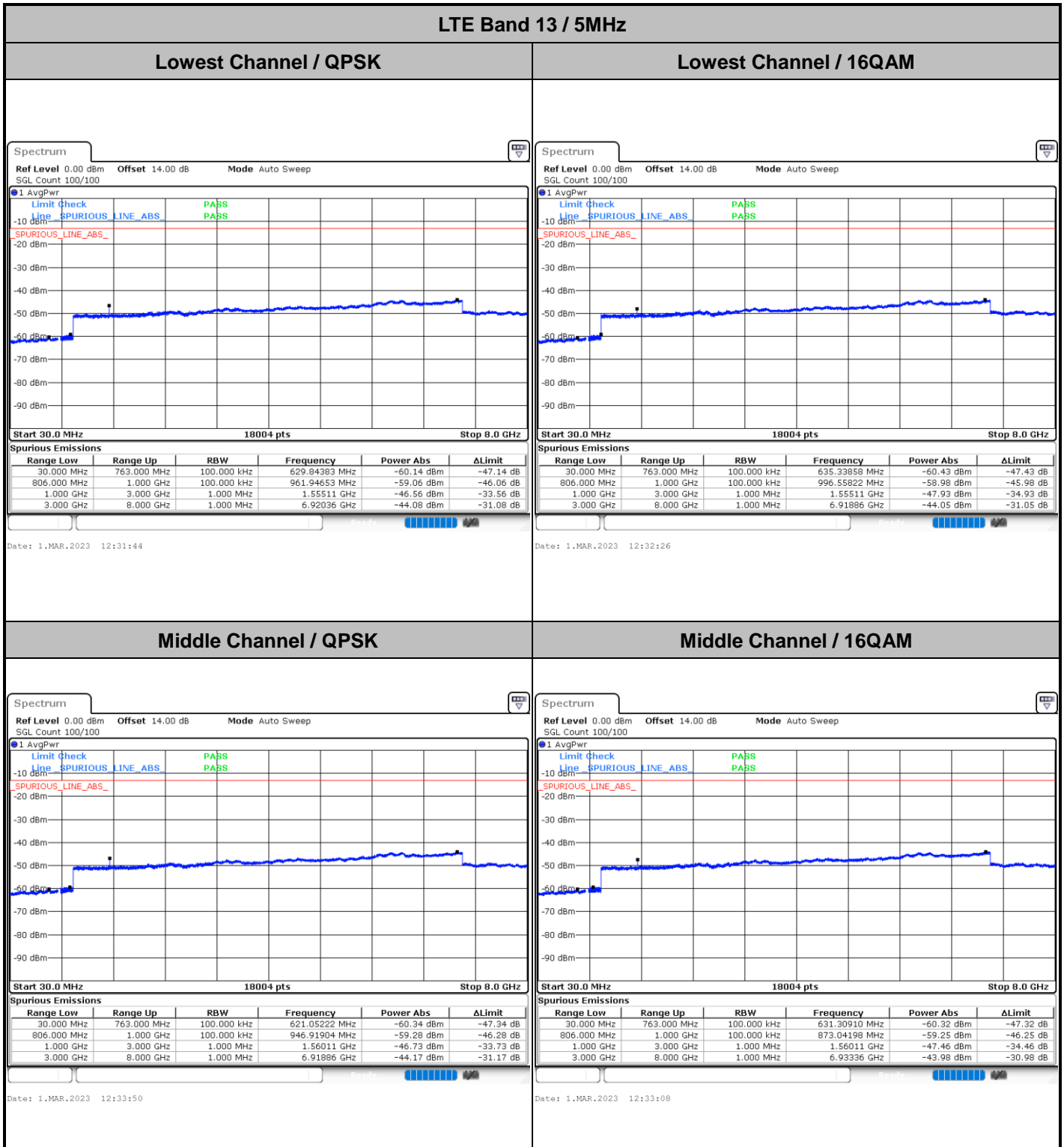
Band Edge / Full RB



Date: 1.MAR.2023 13:12:38



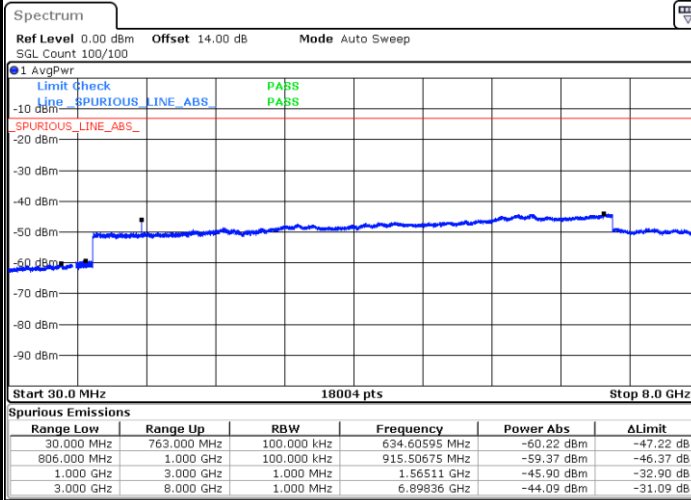
Conducted Spurious Emission





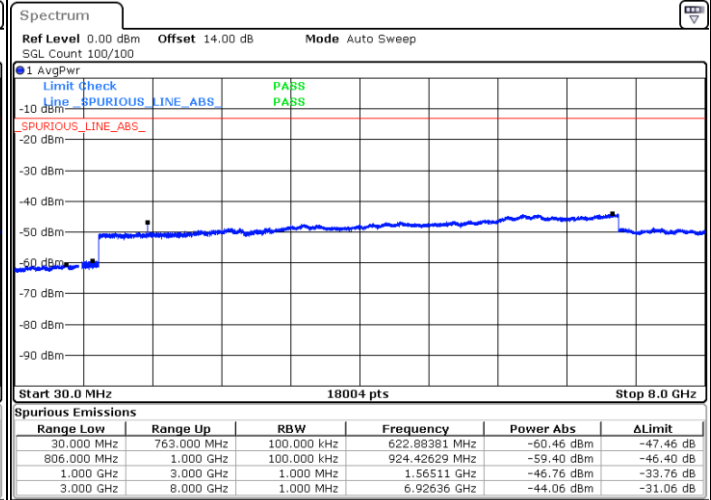
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 1.MAR.2023 12:44:42

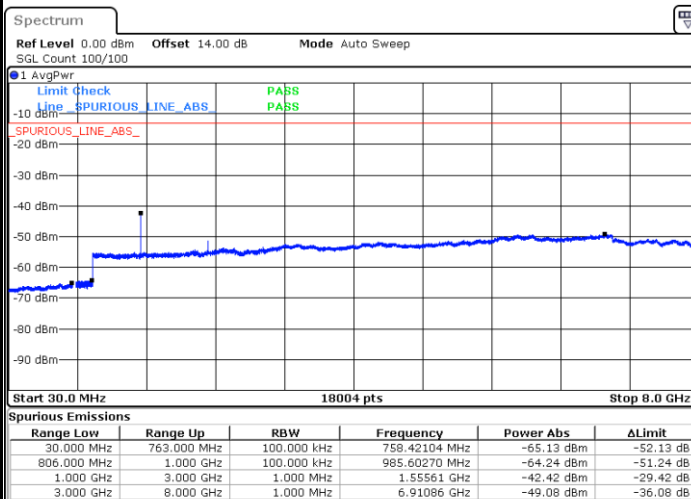
Highest Channel / 16QAM



Date: 1.MAR.2023 12:45:25

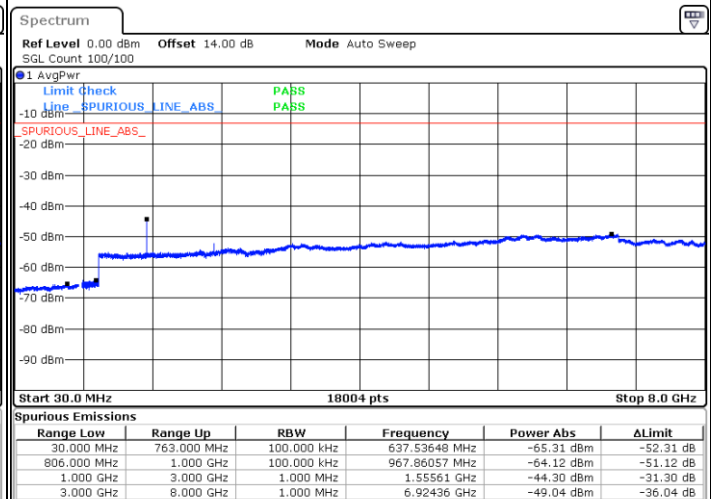
LTE Band 13 / 10MHz

Middle Channel / QPSK

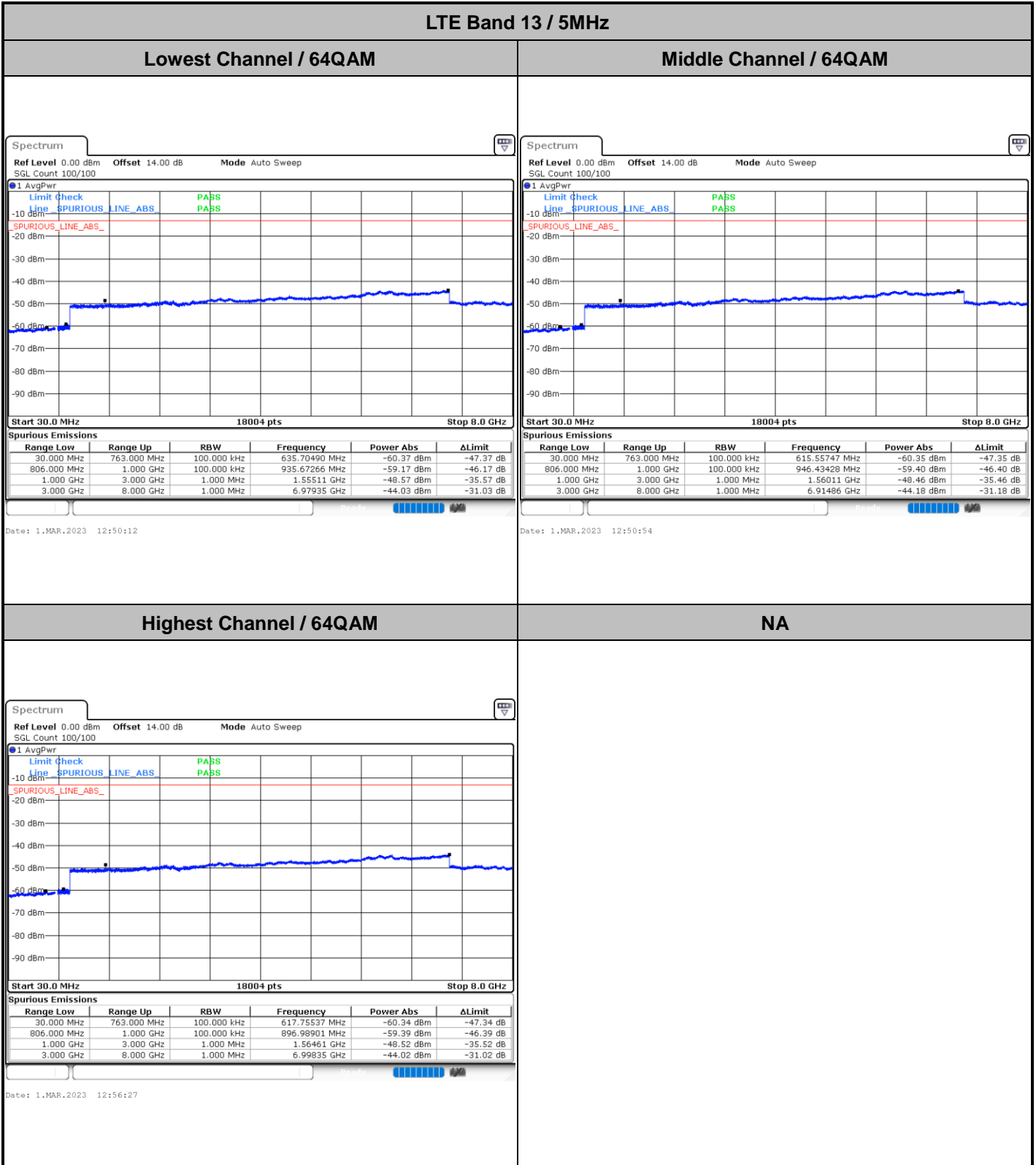


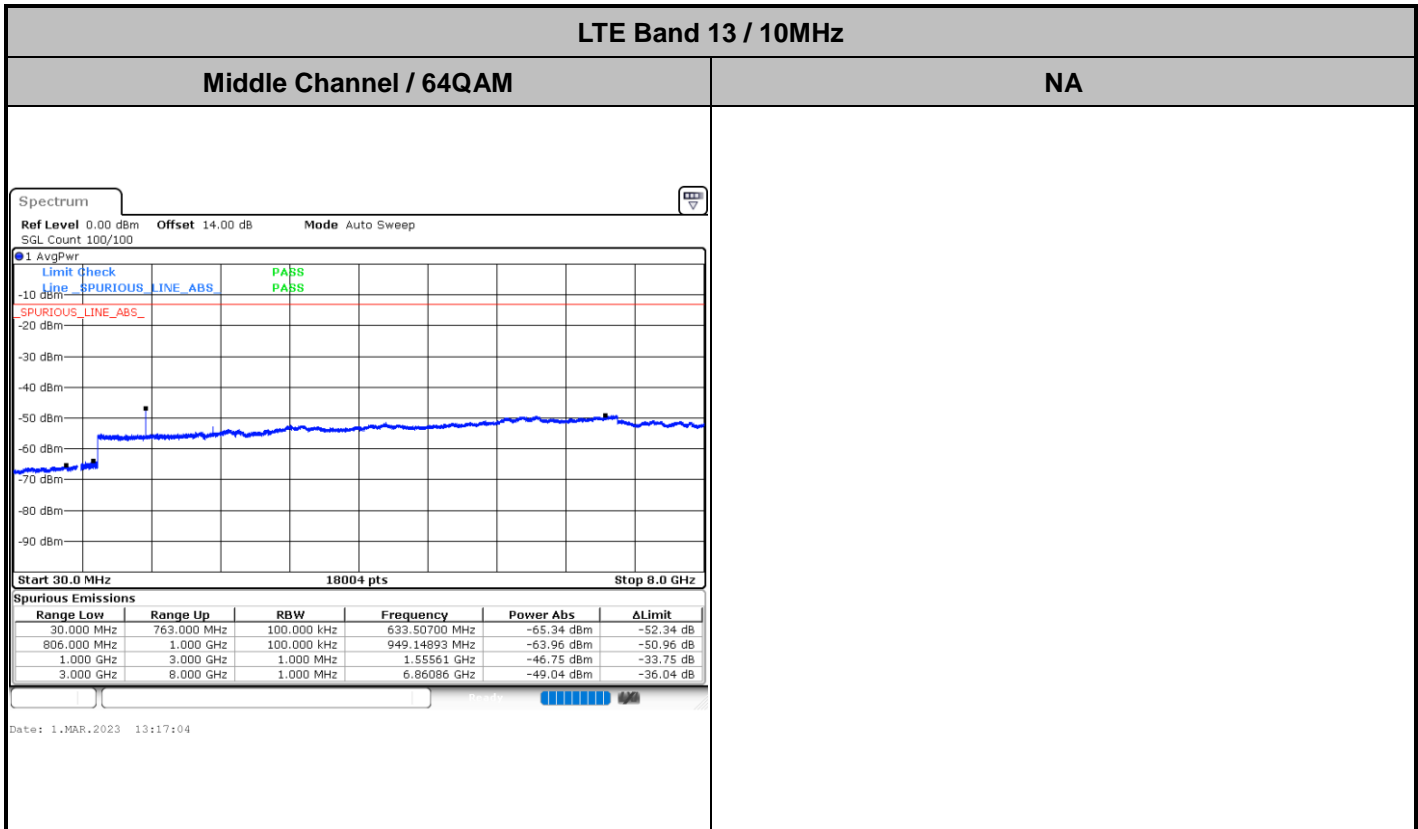
Date: 1.MAR.2023 13:10:17

Middle Channel / 16QAM



Date: 1.MAR.2023 13:09:36







Frequency Stability

| Test Conditions | | LTE Band 13 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 55 | Normal Voltage | 0.0064 | PASS |
| 40 | Normal Voltage | 0.0020 | |
| 30 | Normal Voltage | 0.0035 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0015 | |
| 0 | Normal Voltage | 0.0042 | |
| -10 | Normal Voltage | 0.0056 | |
| 20 | Maximum Voltage | 0.0038 | |
| 20 | Normal Voltage | 0.0019 | |
| 20 | Battery End Point | 0.0052 | |

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41<Ant.0>

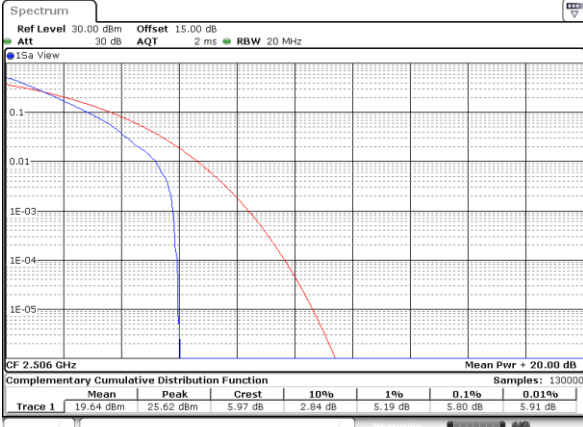
Peak-to-Average Ratio

| Mode | LTE Band 41 / 20MHz | | | | |
|------------|---------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 5.80 | 5.54 | 6.61 | 7.01 | PASS |
| Middle CH | 6.03 | 5.74 | 6.58 | 7.77 | |
| Highest CH | 5.68 | 5.97 | 6.35 | 6.78 | |
| Mode | LTE Band 41 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 7.13 | 6.93 | - | - | PASS |
| Middle CH | 6.58 | 7.39 | - | - | |
| Highest CH | 6.75 | 6.99 | - | - | |



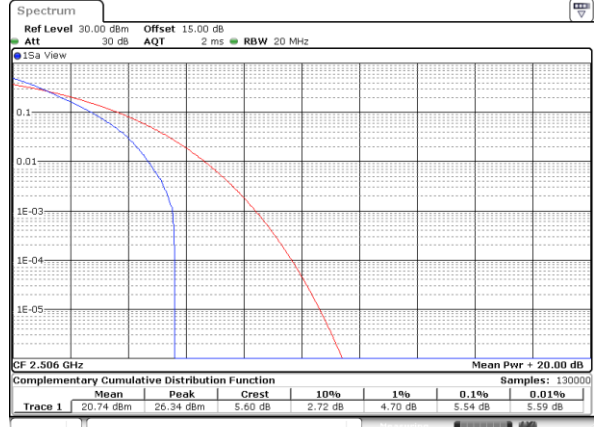
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



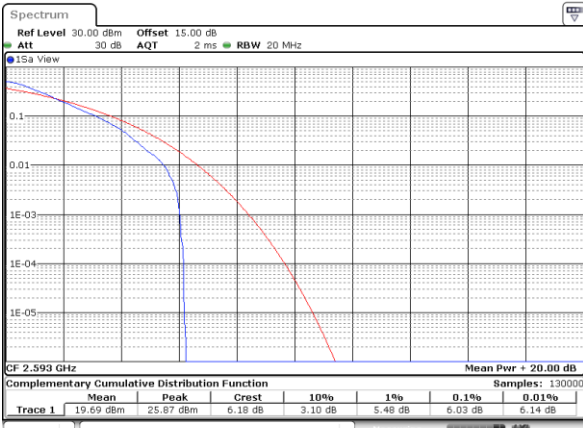
Date: 28.FEB.2023 03:22:23

Lowest Channel / Full RB



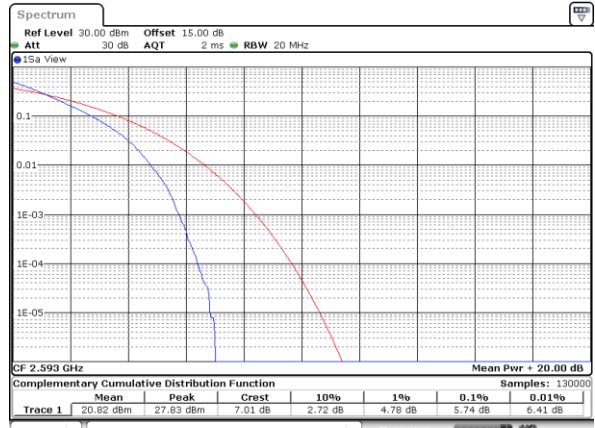
Date: 28.FEB.2023 03:24:22

Middle Channel / 1RB



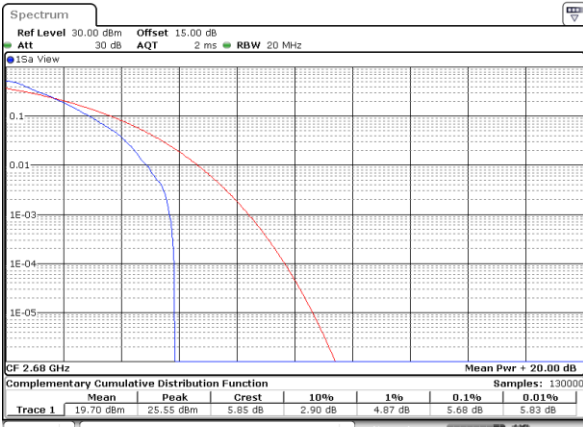
Date: 28.FEB.2023 03:26:43

Middle Channel / Full RB



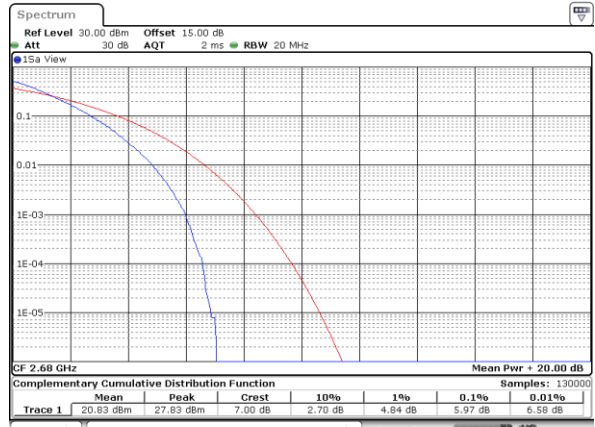
Date: 28.FEB.2023 03:28:24

Highest Channel / 1RB



Date: 28.FEB.2023 03:29:40

Highest Channel / Full RB

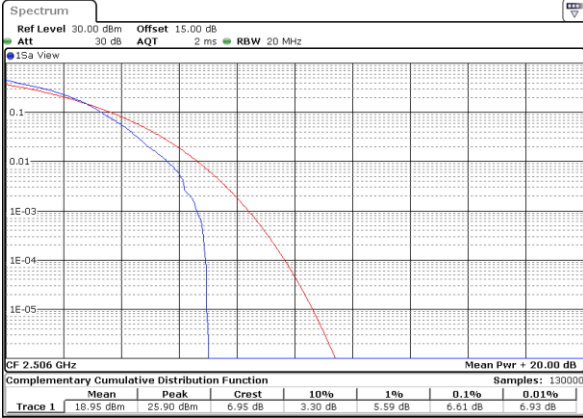


Date: 28.FEB.2023 03:33:18



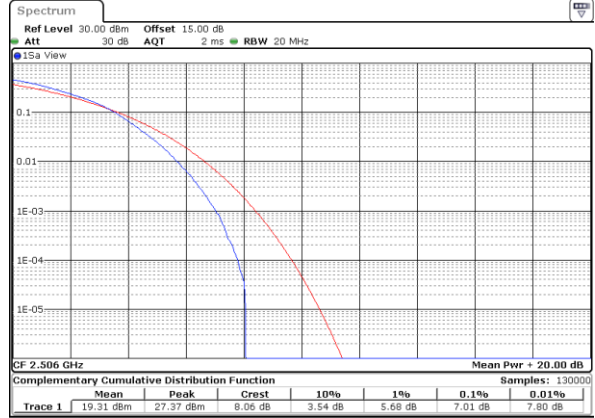
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 28.FEB.2023 03:23:33

Lowest Channel / Full RB



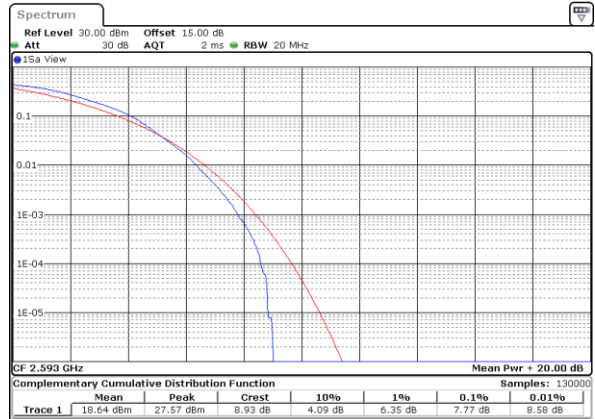
Date: 28.FEB.2023 03:25:24

Middle Channel / 1RB



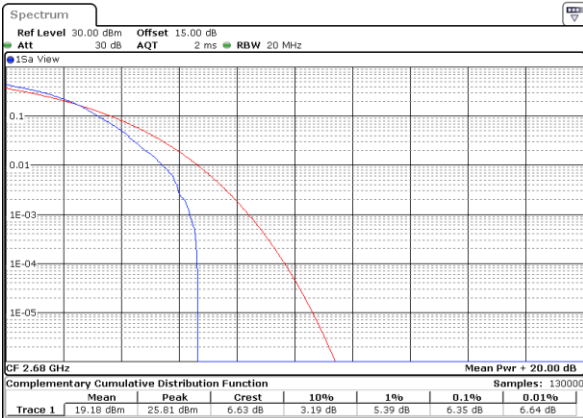
Date: 28.FEB.2023 03:27:06

Middle Channel / Full RB



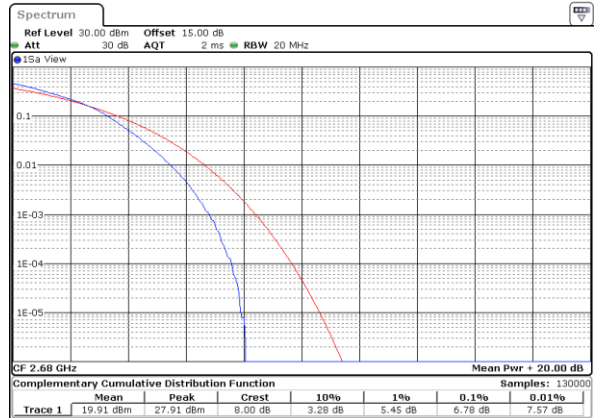
Date: 28.FEB.2023 03:30:53

Highest Channel / 1RB



Date: 28.FEB.2023 03:30:50

Highest Channel / Full RB

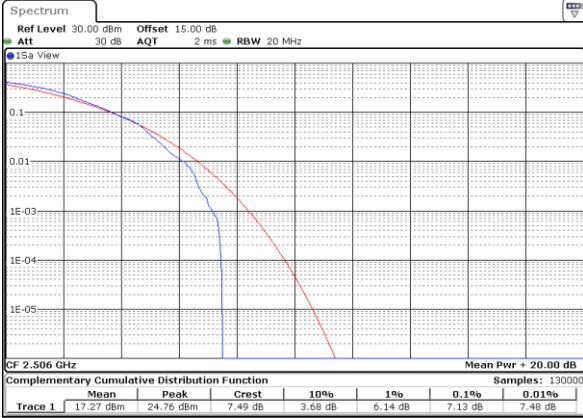


Date: 28.FEB.2023 03:34:04



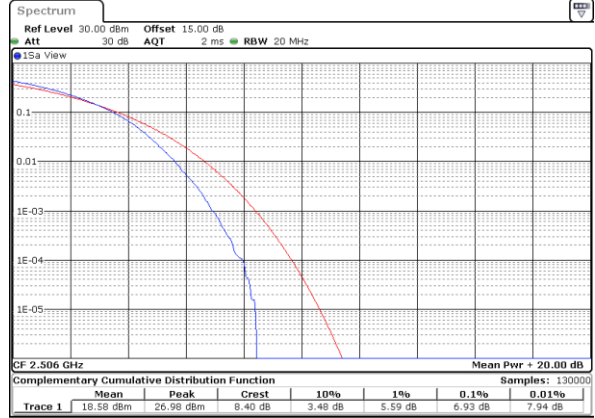
LTE Band 41 / 20MHz / 64QAM

Lowest Channel / 1RB



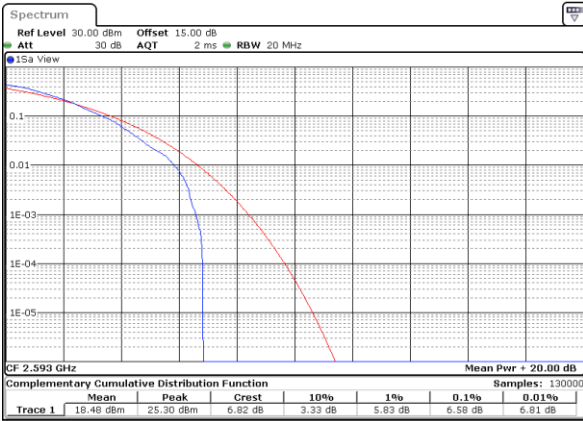
Date: 28.FEB.2023 03:21:08

Lowest Channel / Full RB



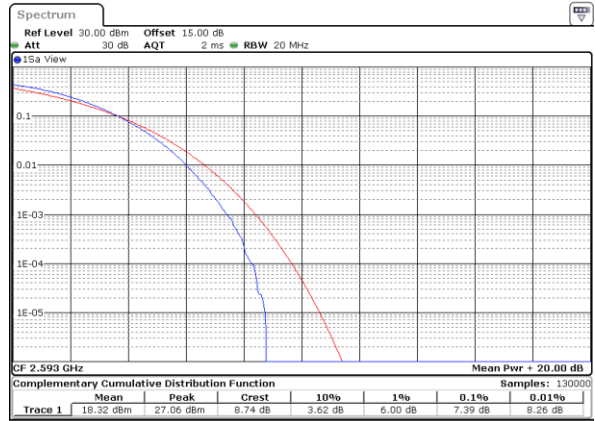
Date: 28.FEB.2023 03:10:132

Middle Channel / 1RB



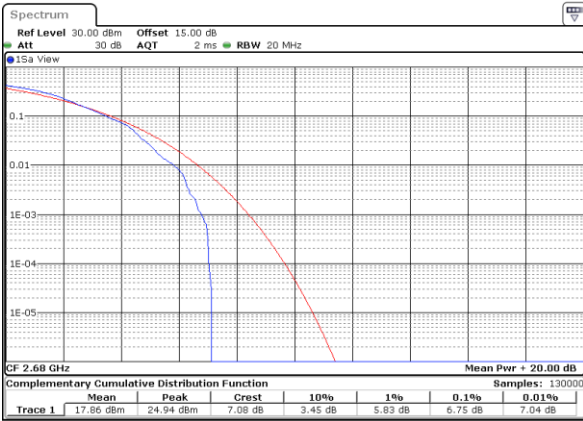
Date: 28.FEB.2023 03:12:57

Middle Channel / Full RB



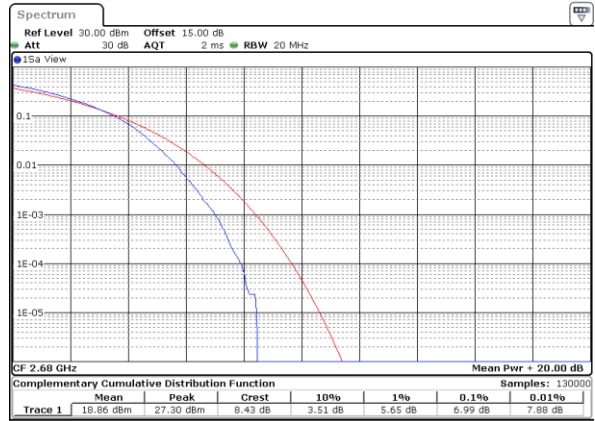
Date: 28.FEB.2023 03:12:619

Highest Channel / 1RB



Date: 28.FEB.2023 03:32:113

Highest Channel / Full RB



Date: 28.FEB.2023 03:35:118



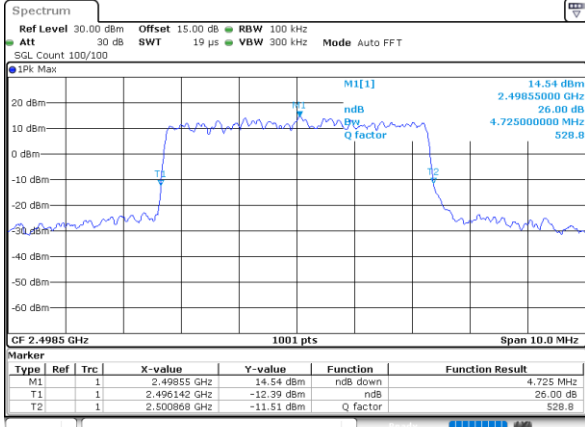
26dB Bandwidth

| 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 | - | - | - | - | 4.73 | 4.88 | 10.27 | 9.77 | 14.27 | 14.21 | 19.10 | 18.74 |
| Middle CH | - | - | - | - | 4.84 | 4.78 | 9.67 | 9.61 | 14.27 | 14.48 | 20.18 | 18.66 |
| Highest CH | - | - | - | - | 4.94 | 4.82 | 9.61 | 9.75 | 14.27 | 14.33 | 18.78 | 18.78 |
| 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 | - | 9.61 | - | 14.15 | - | 18.82 | - |
| Middle CH | - | - | - | - | 4.87 | - | 9.91 | - | 14.12 | - | 19.70 | - |
| Highest CH | - | - | - | - | 4.79 | - | 9.73 | - | 14.33 | - | 18.82 | - |



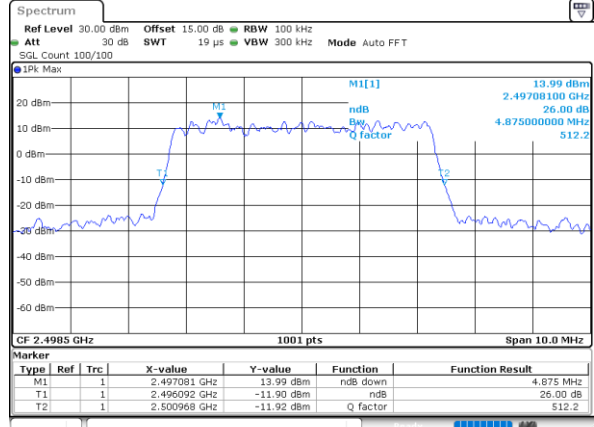
LTE Band 41

Lowest Channel / 5MHz / QPSK



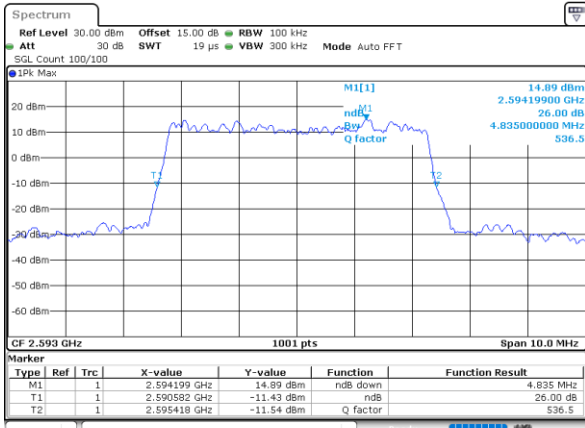
Date: 28.FEB.2023 02:35:58

Lowest Channel / 5MHz / 16QAM



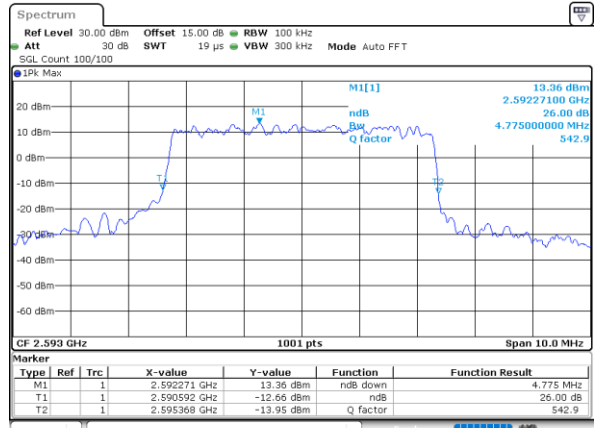
Date: 28.FEB.2023 02:16:22

Middle Channel / 5MHz / QPSK



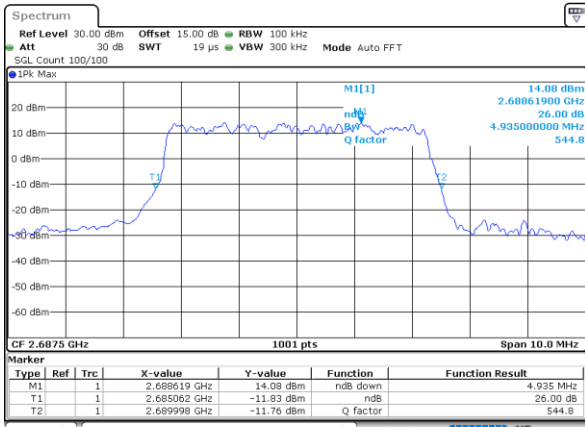
Date: 28.FEB.2023 02:37:32

Middle Channel / 5MHz / 16QAM



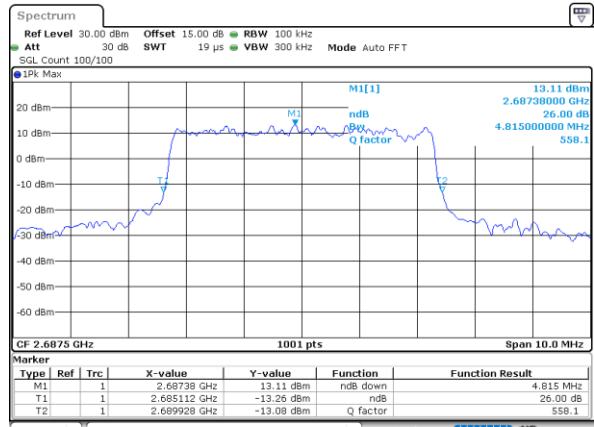
Date: 28.FEB.2023 02:17:56

Highest Channel / 5MHz / QPSK



Date: 28.FEB.2023 02:19:07

Highest Channel / 5MHz / 16QAM

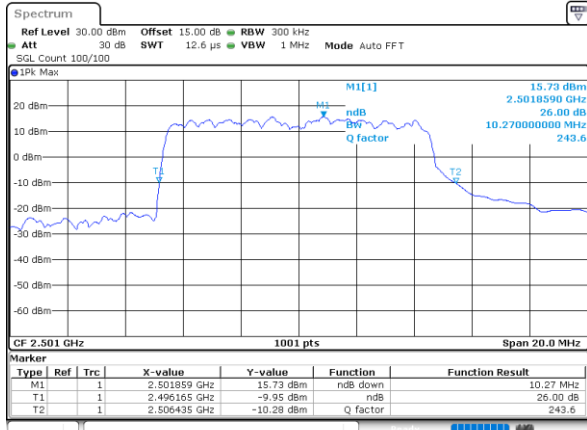


Date: 28.FEB.2023 02:19:31



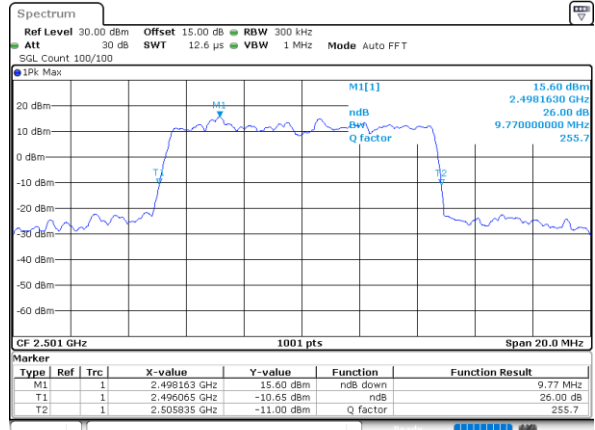
LTE Band 41

Lowest Channel / 10MHz / QPSK



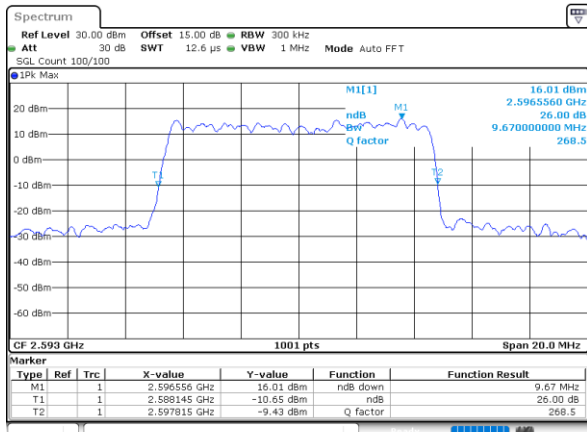
Date: 28.FEB.2023 02:40:43

Lowest Channel / 10MHz / 16QAM



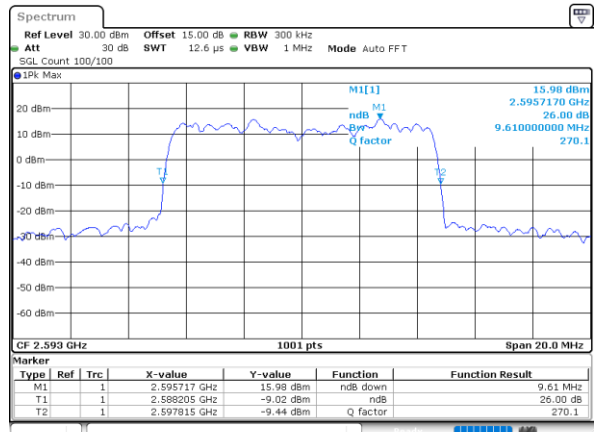
Date: 28.FEB.2023 02:41:07

Middle Channel / 10MHz / QPSK



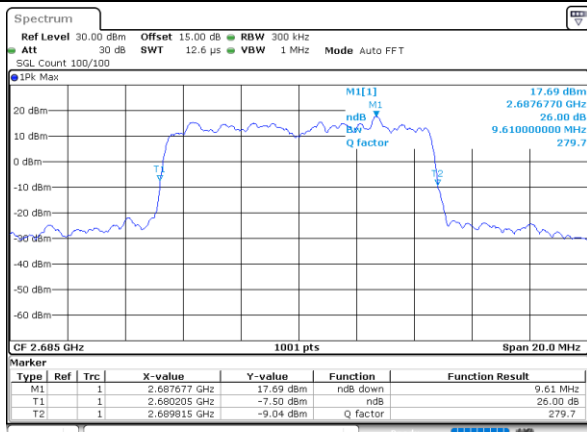
Date: 28.FEB.2023 02:42:17

Middle Channel / 10MHz / 16QAM



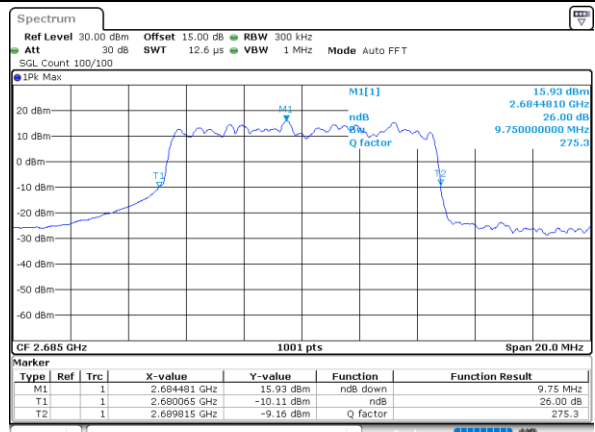
Date: 28.FEB.2023 02:42:40

Highest Channel / 10MHz / QPSK



Date: 28.FEB.2023 02:43:53

Highest Channel / 10MHz / 16QAM

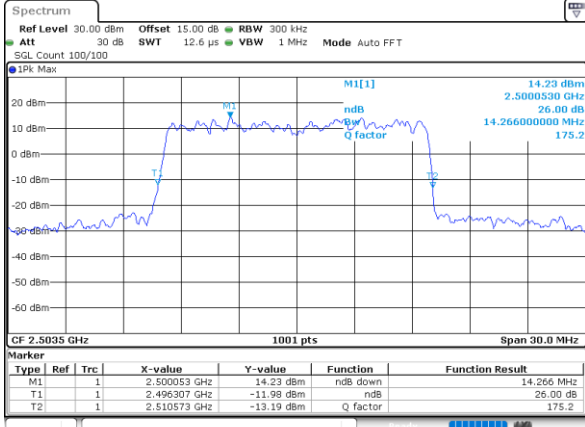


Date: 28.FEB.2023 02:44:18



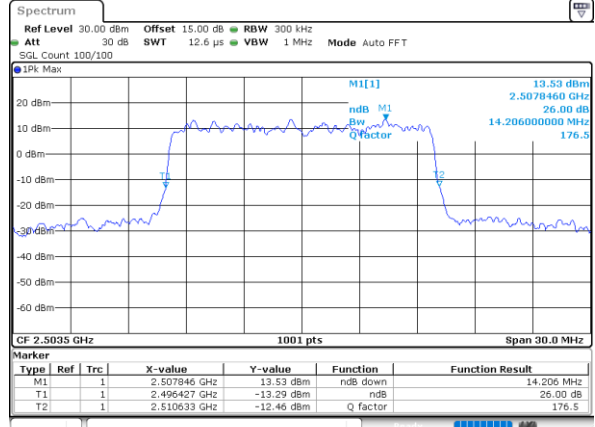
LTE Band 41

Lowest Channel / 15MHz / QPSK



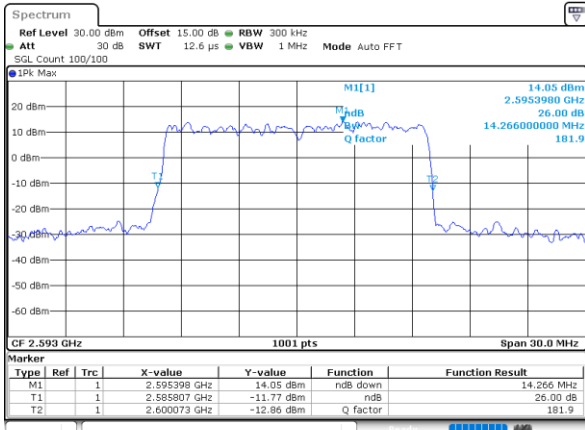
Date: 28.FEB.2023 02:45:33

Lowest Channel / 15MHz / 16QAM



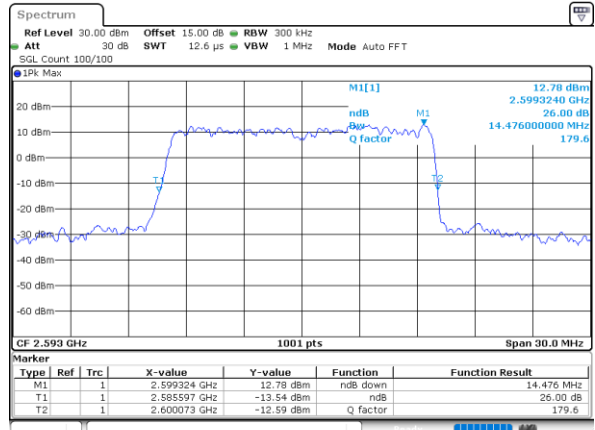
Date: 28.FEB.2023 02:46:03

Middle Channel / 15MHz / QPSK



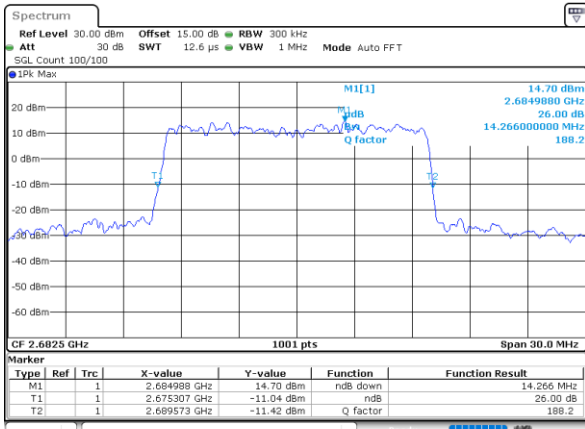
Date: 28.FEB.2023 02:47:15

Middle Channel / 15MHz / 16QAM



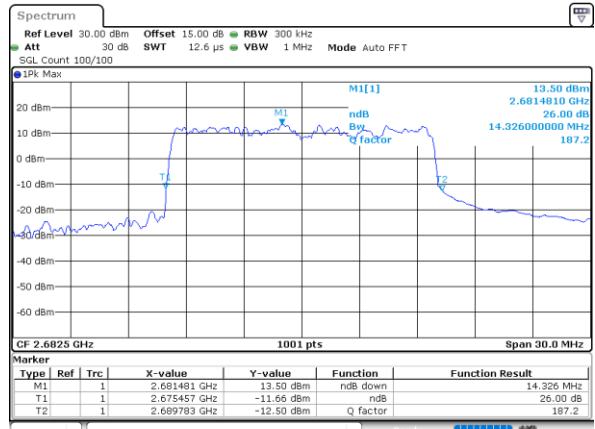
Date: 28.FEB.2023 02:47:38

Highest Channel / 15MHz / QPSK



Date: 28.FEB.2023 02:48:49

Highest Channel / 15MHz / 16QAM

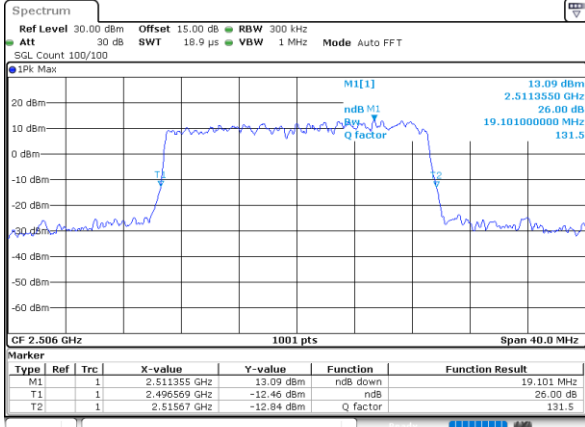


Date: 28.FEB.2023 02:49:13



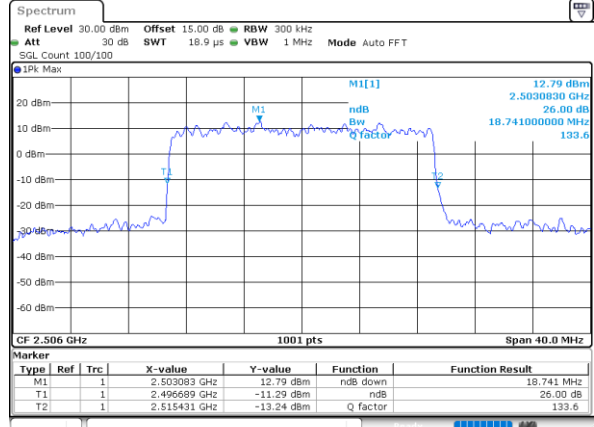
LTE Band 41

Lowest Channel / 20MHz / QPSK



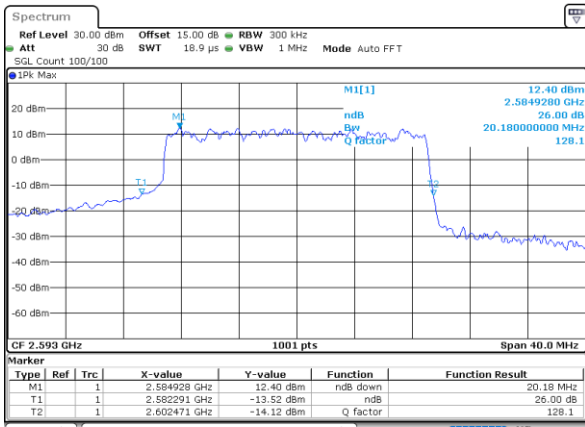
Date: 28.FEB.2023 02:50:25

Lowest Channel / 20MHz / 16QAM



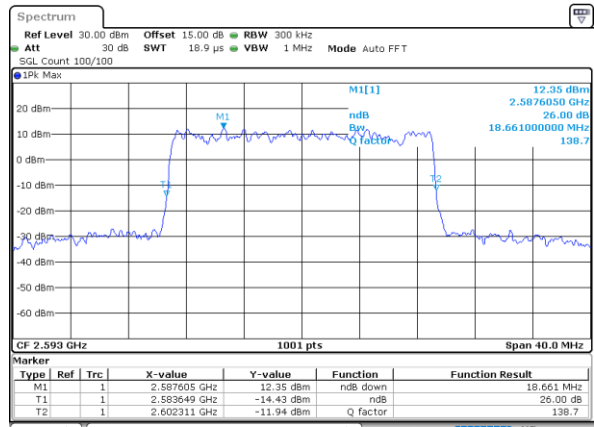
Date: 28.FEB.2023 02:50:49

Middle Channel / 20MHz / QPSK



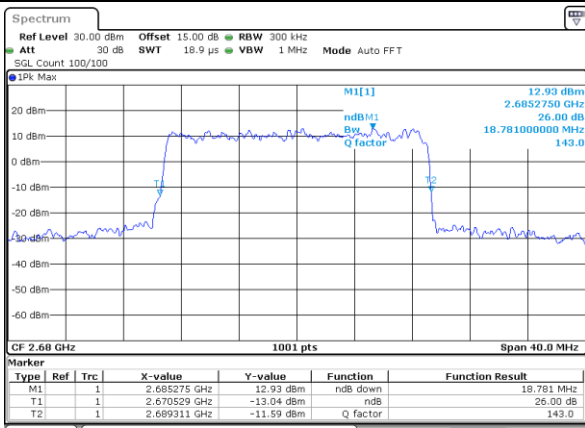
Date: 28.FEB.2023 02:52:00

Middle Channel / 20MHz / 16QAM



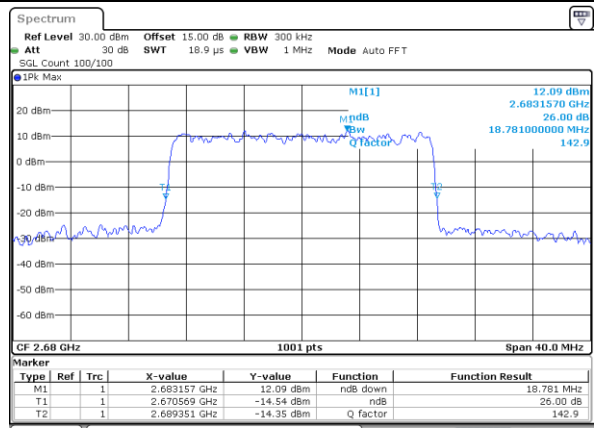
Date: 28.FEB.2023 02:52:13

Highest Channel / 20MHz / QPSK



Date: 28.FEB.2023 02:53:35

Highest Channel / 20MHz / 16QAM

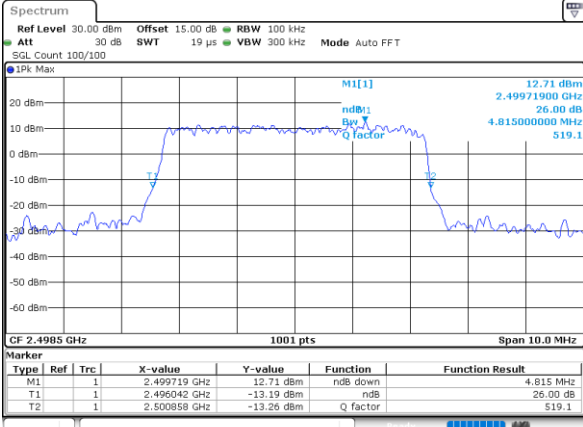


Date: 28.FEB.2023 02:53:59



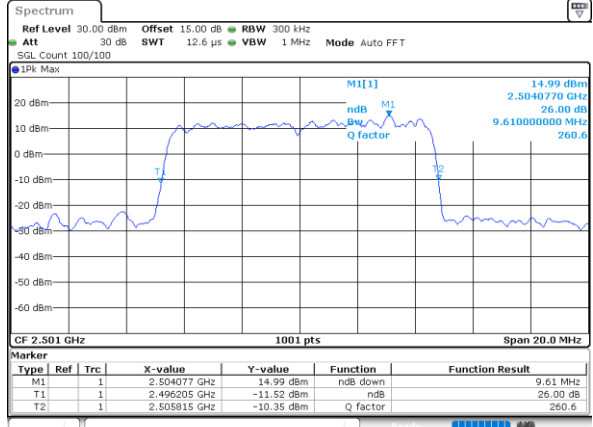
LTE Band 41

Lowest Channel / 5MHz / 64QAM



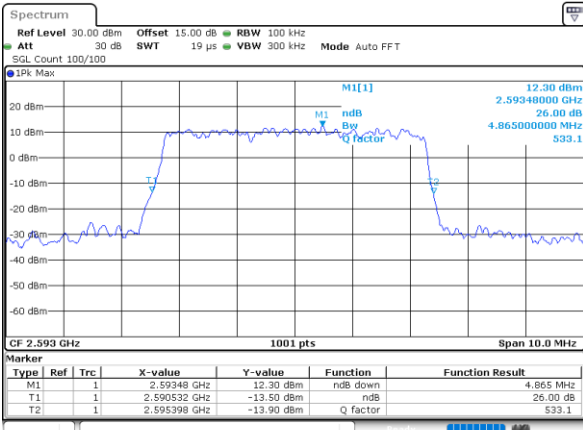
Date: 28.FEB.2023 02:54:38

Lowest Channel / 10MHz / 64QAM



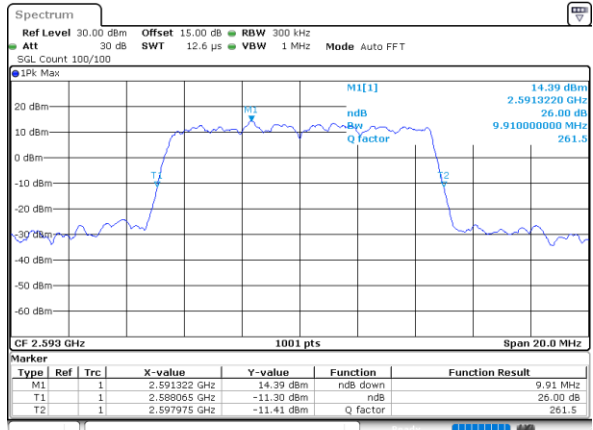
Date: 28.FEB.2023 02:56:33

Middle Channel / 5MHz / 64QAM



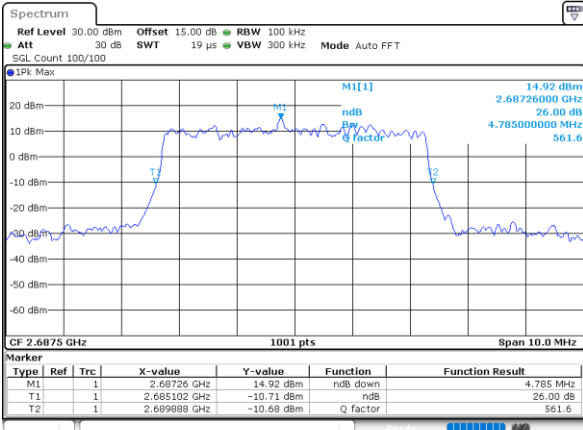
Date: 28.FEB.2023 02:55:16

Middle Channel / 10MHz / 64QAM



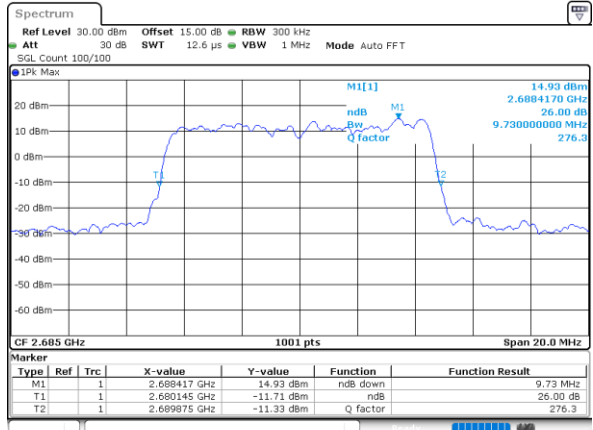
Date: 28.FEB.2023 02:57:11

Highest Channel / 5MHz / 64QAM



Date: 28.FEB.2023 02:55:54

Highest Channel / 10MHz / 64QAM

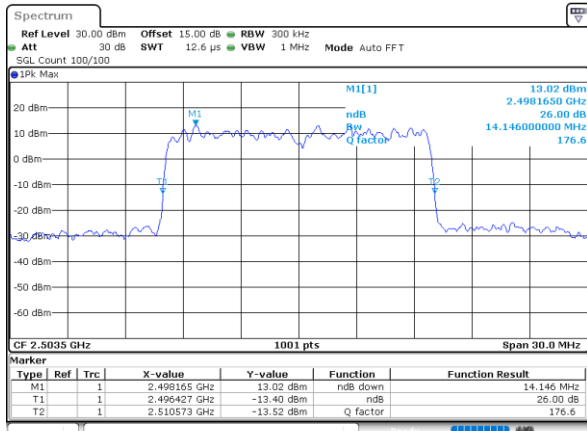


Date: 28.FEB.2023 02:57:49



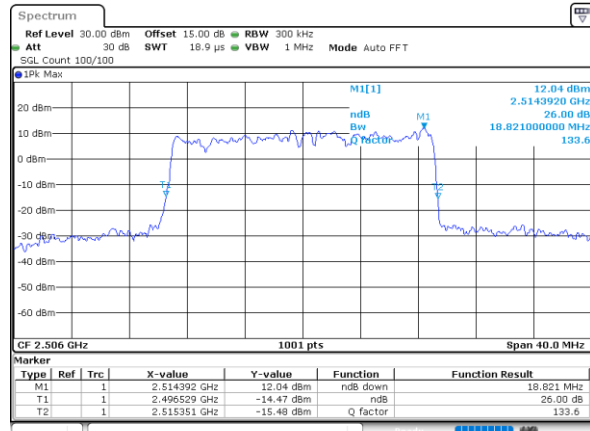
LTE Band 41

Lowest Channel / 15MHz / 64QAM



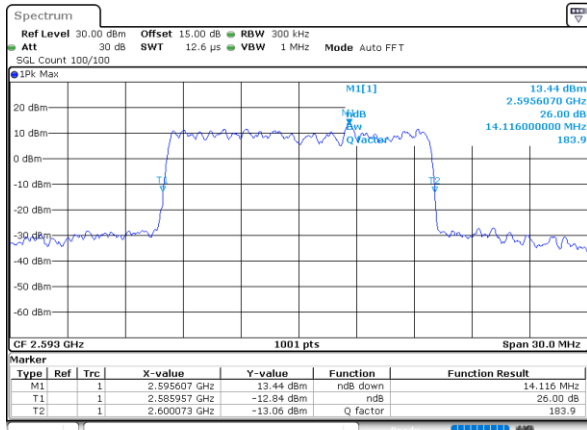
Date: 28.FEB.2023 02:58:29

Lowest Channel / 20MHz / 64QAM



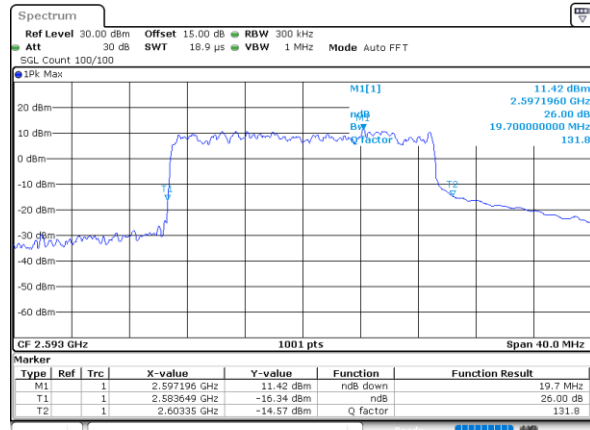
Date: 28.FEB.2023 03:00:25

Middle Channel / 15MHz / 64QAM



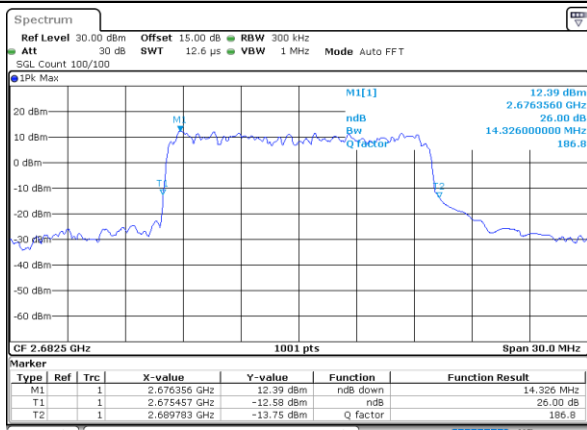
Date: 28.FEB.2023 02:59:08

Middle Channel / 20MHz / 64QAM



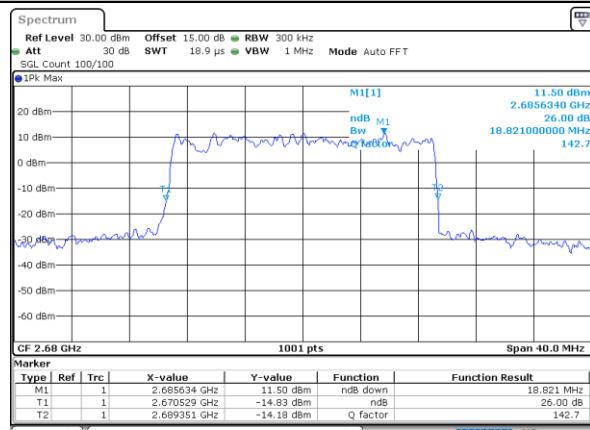
Date: 28.FEB.2023 03:01:03

Highest Channel / 15MHz / 64QAM



Date: 28.FEB.2023 02:59:46

Highest Channel / 20MHz / 64QAM



Date: 28.FEB.2023 03:01:41



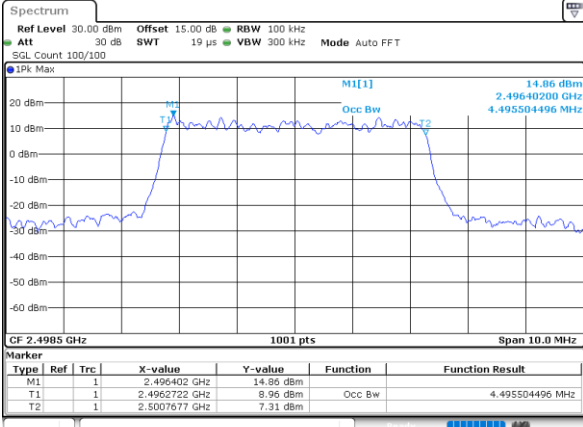
Occupied Bandwidth

| Mode | LTE Band 41 : 99%OBW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | - | - | - | - | 4.50 | 4.48 | 9.05 | 8.97 | 13.55 | 13.40 | 17.90 | 17.82 |
| Middle CH | - | - | - | - | 4.50 | 4.50 | 9.05 | 8.99 | 13.37 | 13.46 | 17.82 | 17.86 |
| Highest CH | - | - | - | - | 4.51 | 4.49 | 9.05 | 9.01 | 13.49 | 13.58 | 17.90 | 17.82 |
| Mode | LTE Band 41 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | - | - | - | - | 4.50 | - | 9.07 | - | 13.43 | - | 17.90 | - |
| Middle CH | - | - | - | - | 4.49 | - | 9.03 | - | 13.40 | - | 17.90 | - |
| Highest CH | - | - | - | - | 4.53 | - | 9.05 | - | 13.46 | - | 17.82 | - |



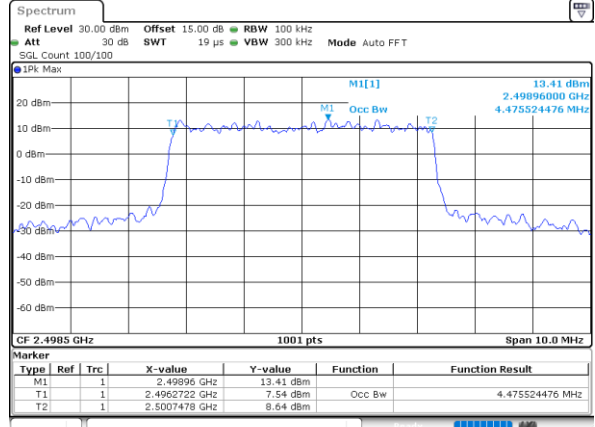
LTE Band 41

Lowest Channel / 5MHz / QPSK



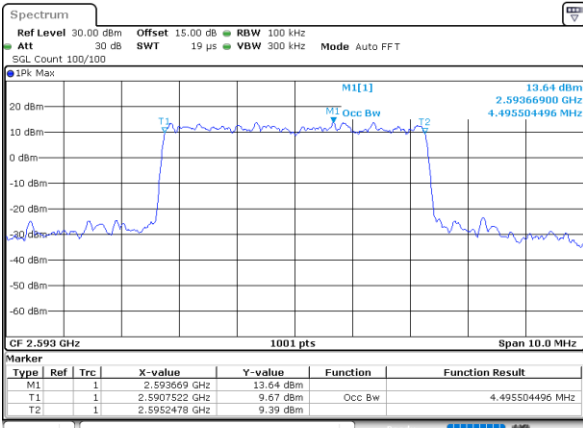
Date: 28.FEB.2023 02:35:10

Lowest Channel / 5MHz / 16QAM



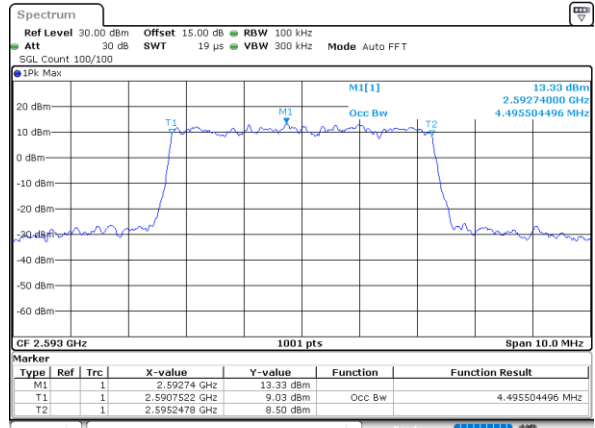
Date: 28.FEB.2023 02:35:34

Middle Channel / 5MHz / QPSK



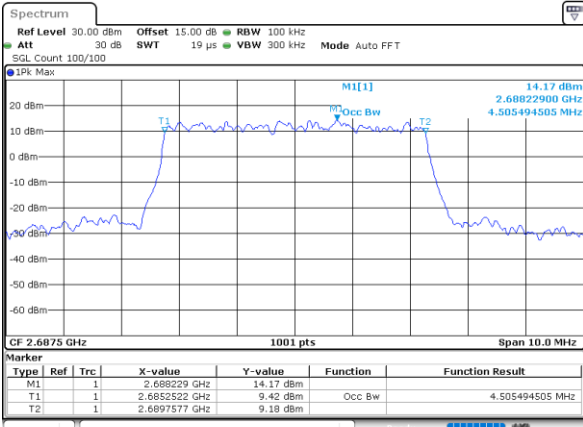
Date: 28.FEB.2023 02:36:46

Middle Channel / 5MHz / 16QAM



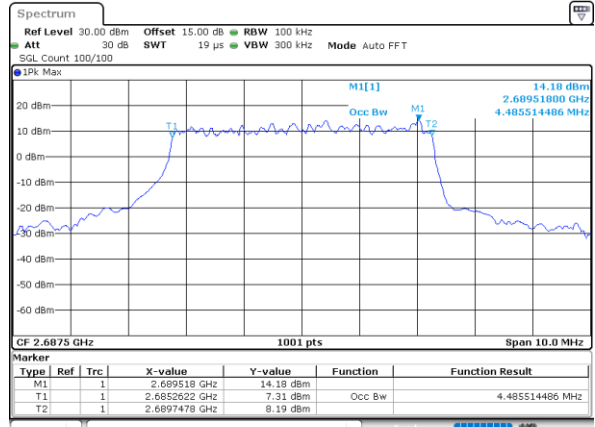
Date: 28.FEB.2023 02:37:09

Highest Channel / 5MHz / QPSK



Date: 28.FEB.2023 02:38:19

Highest Channel / 5MHz / 16QAM

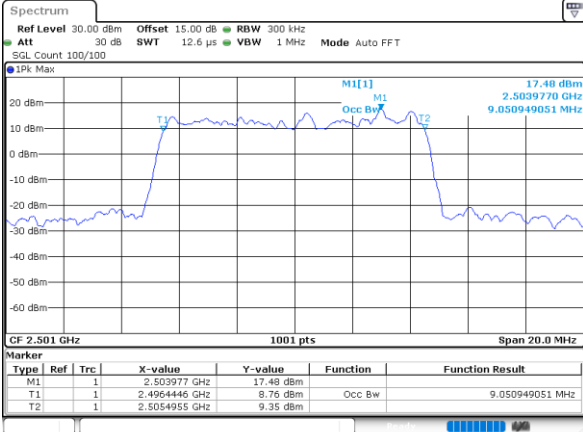


Date: 28.FEB.2023 02:38:43



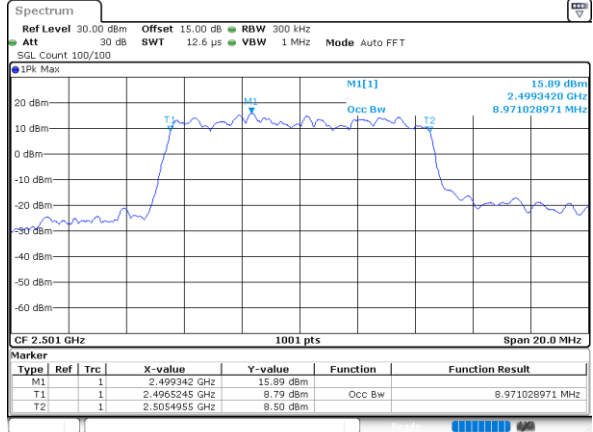
LTE Band 41

Lowest Channel / 10MHz / QPSK



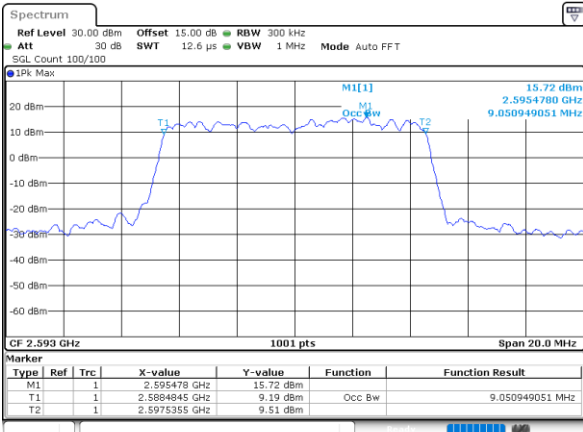
Date: 28.FEB.2023 02:13:55

Lowest Channel / 10MHz / 16QAM



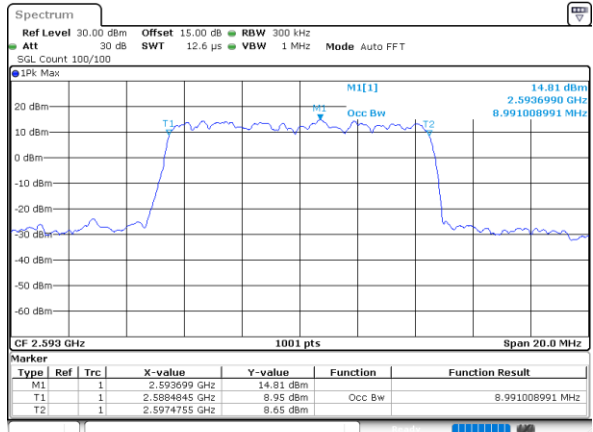
Date: 28.FEB.2023 02:14:19

Middle Channel / 10MHz / QPSK



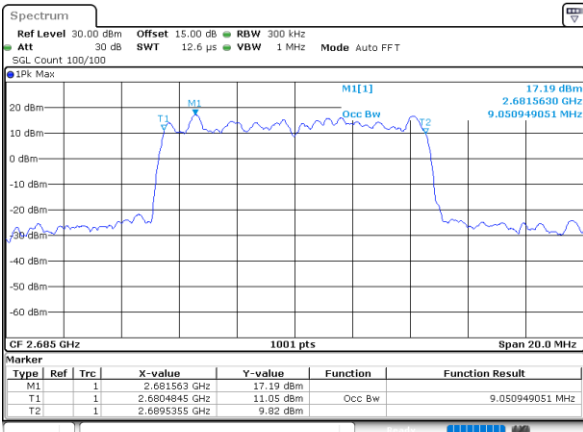
Date: 28.FEB.2023 02:14:30

Middle Channel / 10MHz / 16QAM



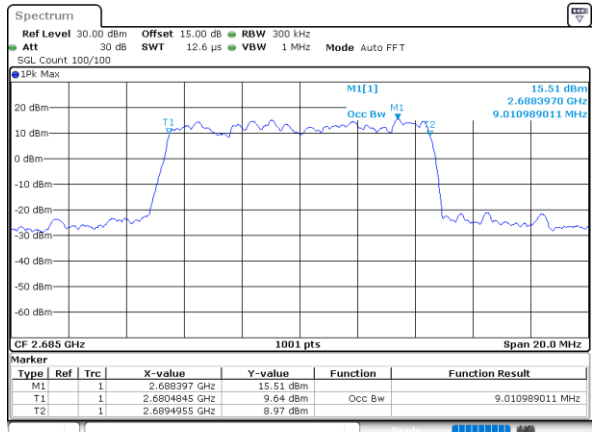
Date: 28.FEB.2023 02:14:54

Highest Channel / 10MHz / QPSK



Date: 28.FEB.2023 02:14:05

Highest Channel / 10MHz / 16QAM



Date: 28.FEB.2023 02:14:29