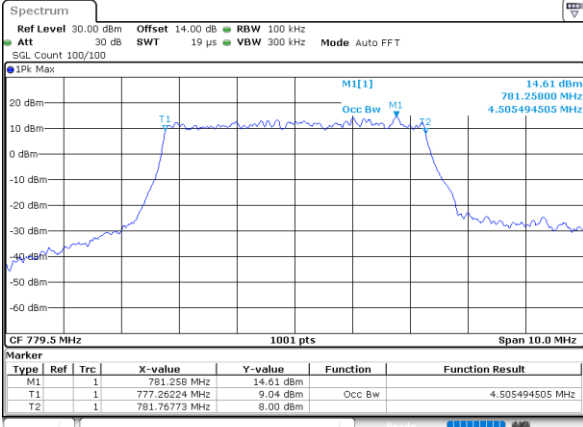


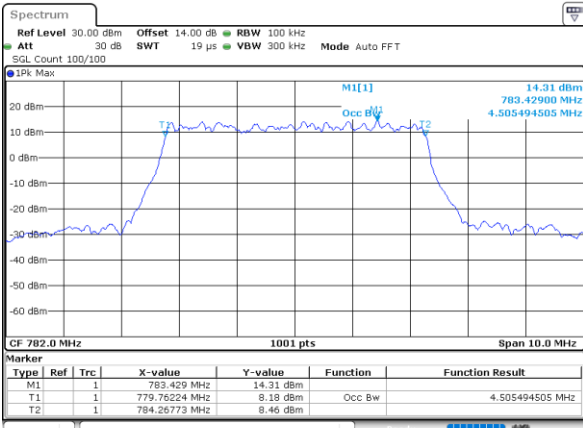


LTE Band 13

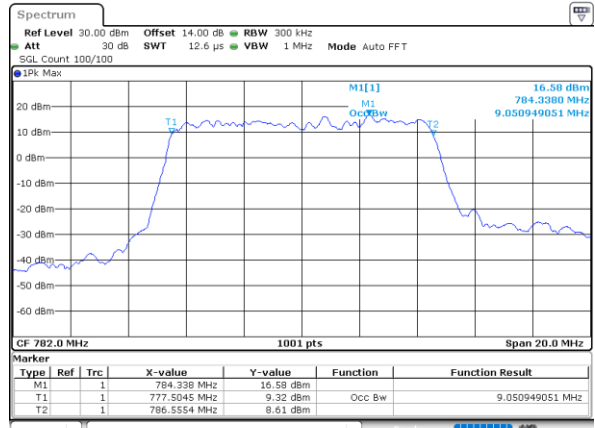
Lowest Channel / 5MHz / 64QAM



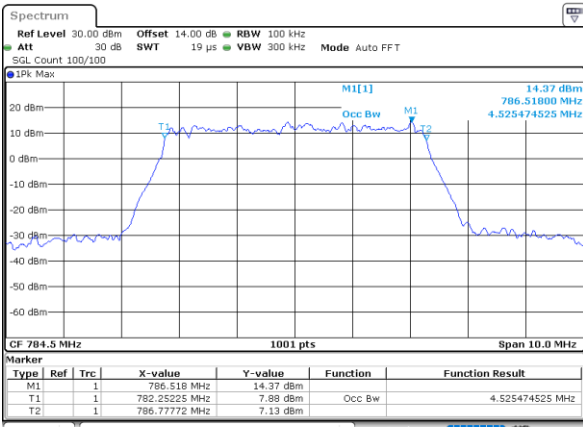
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

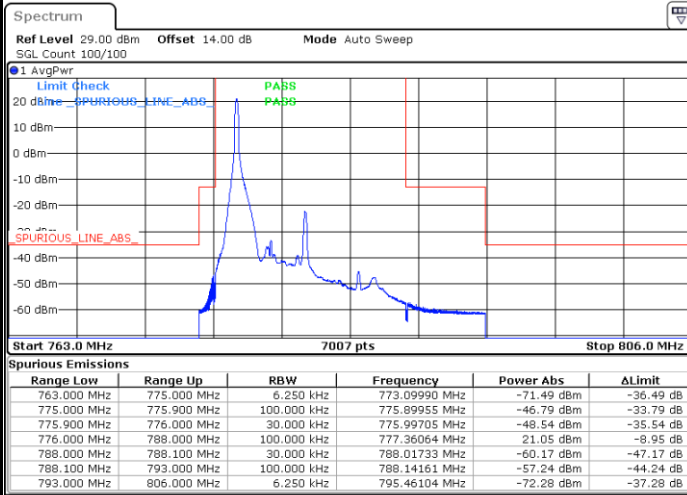




Conducted Band Edge

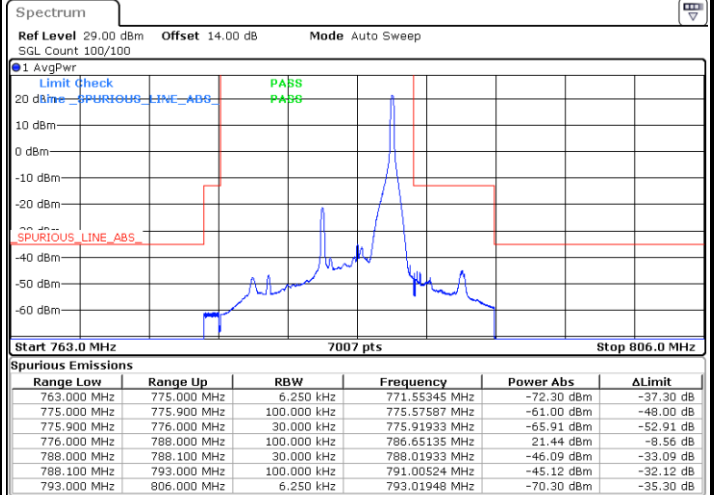
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



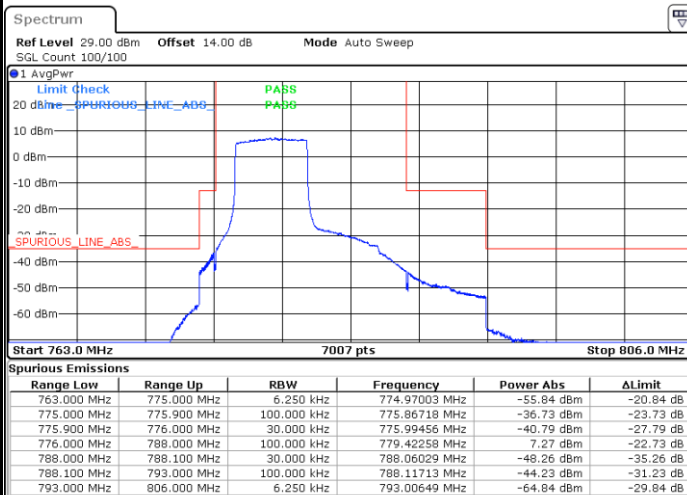
Date: 29.NOV.2022 13:38:24

Highest Band Edge / 1 RB



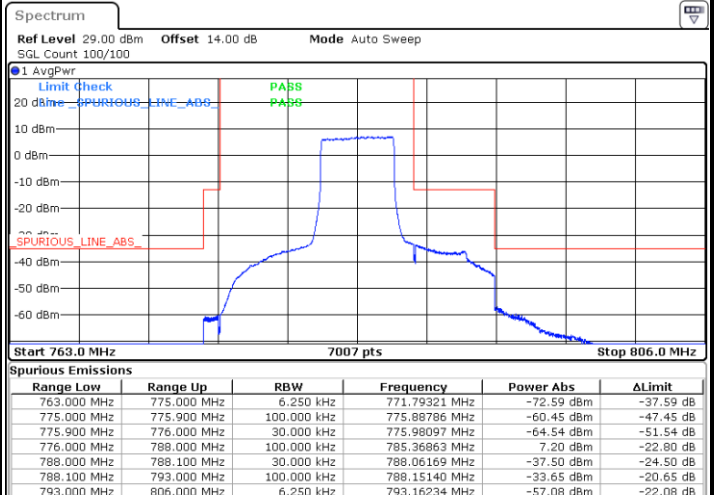
Date: 29.NOV.2022 13:42:09

Lowest Band Edge / Full RB



Date: 29.NOV.2022 13:36:30

Highest Band Edge / Full RB



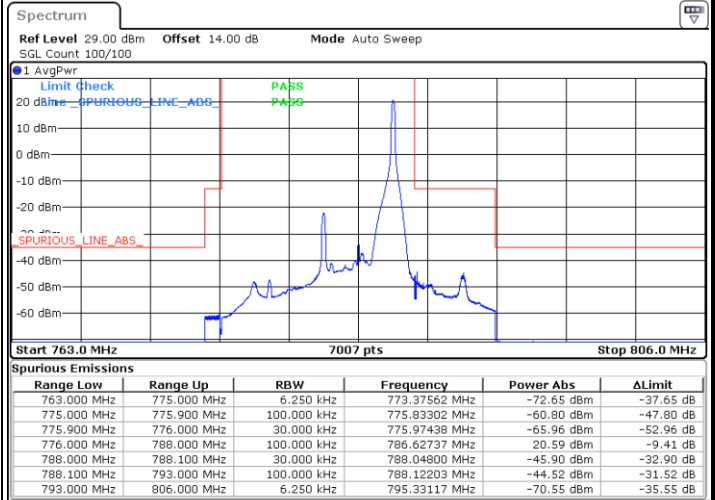
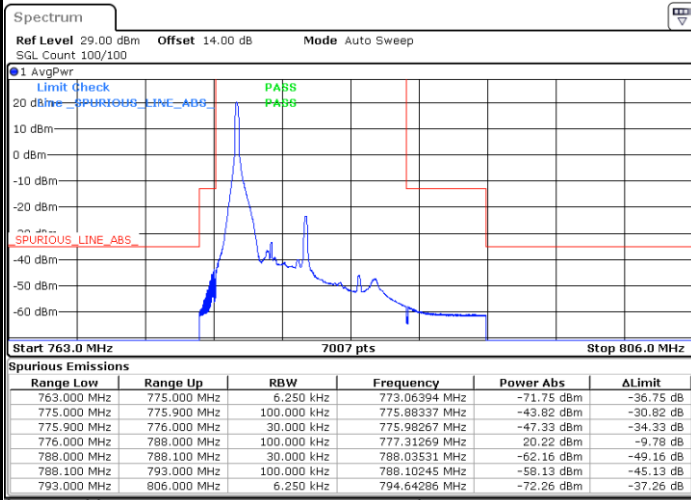
Date: 29.NOV.2022 13:40:16



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

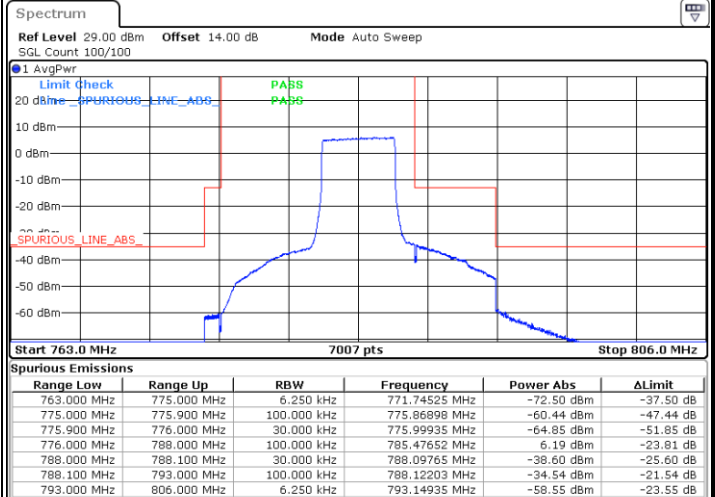
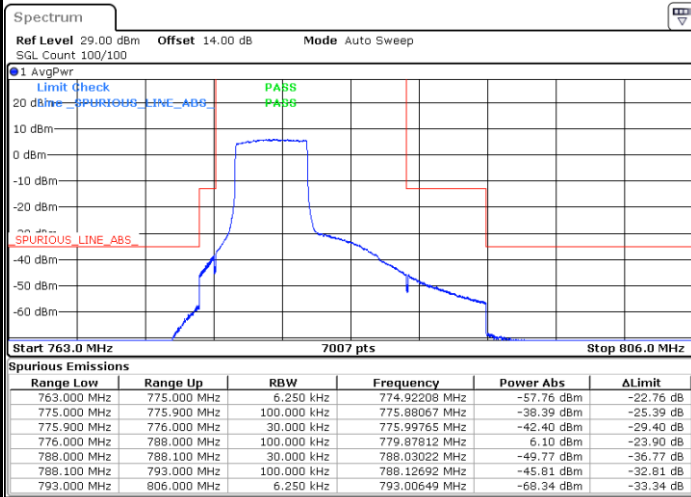


Date: 29.NOV.2022 13:45:55

Date: 29.NOV.2022 13:49:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29.NOV.2022 13:44:02

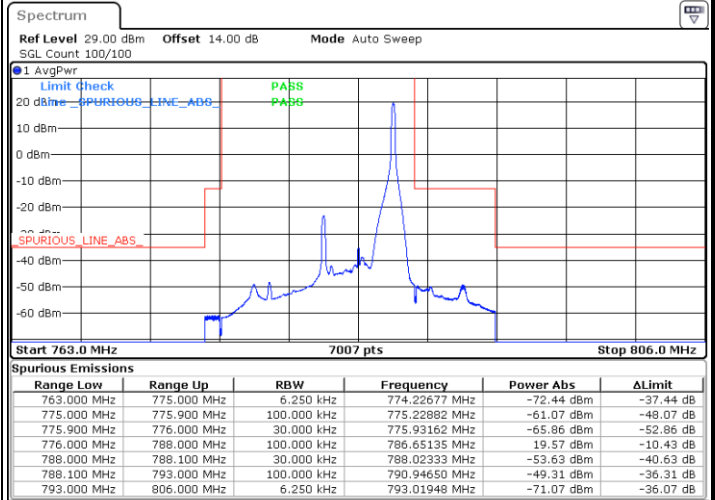
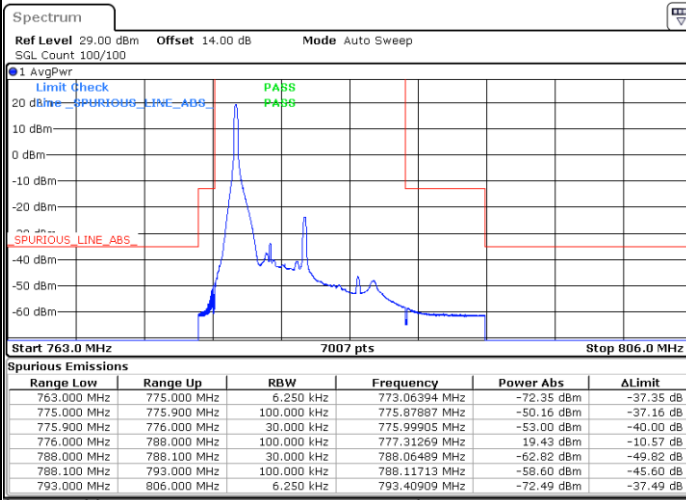
Date: 29.NOV.2022 13:47:48



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

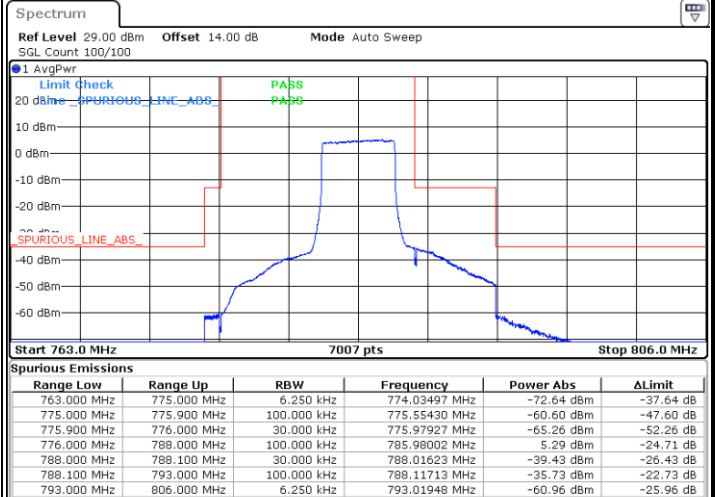
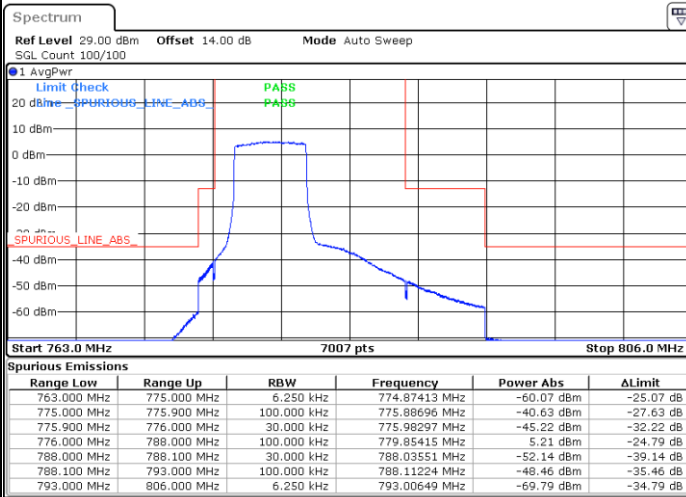


Date: 29.NOV.2022 13:53:27

Date: 29.NOV.2022 13:57:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29.NOV.2022 13:51:34

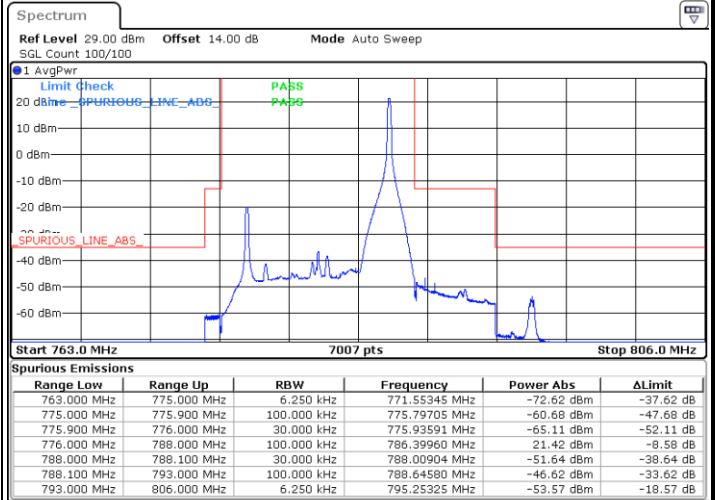
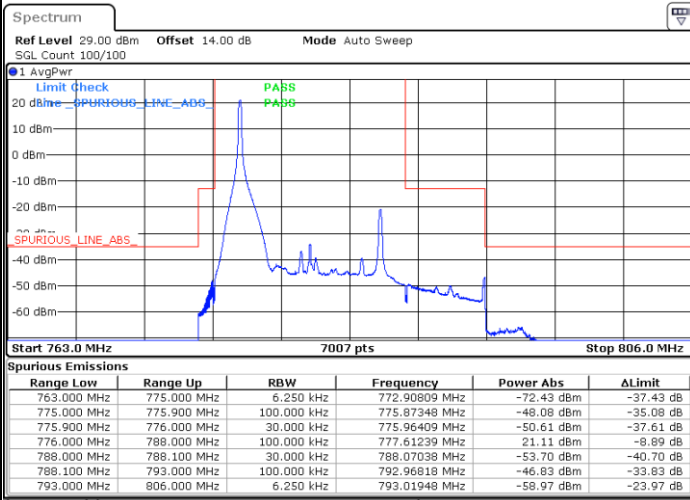
Date: 29.NOV.2022 13:55:21



LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

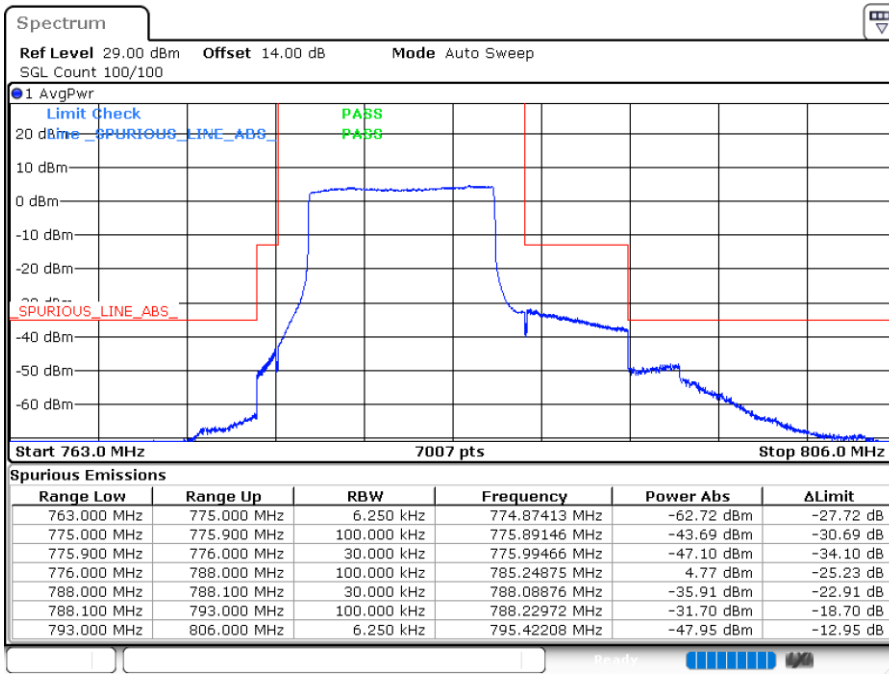
Highest Band Edge / 1 RB



Date: 29.NOV.2022 14:01:00

Date: 29.NOV.2022 14:02:52

Band Edge / Full RB

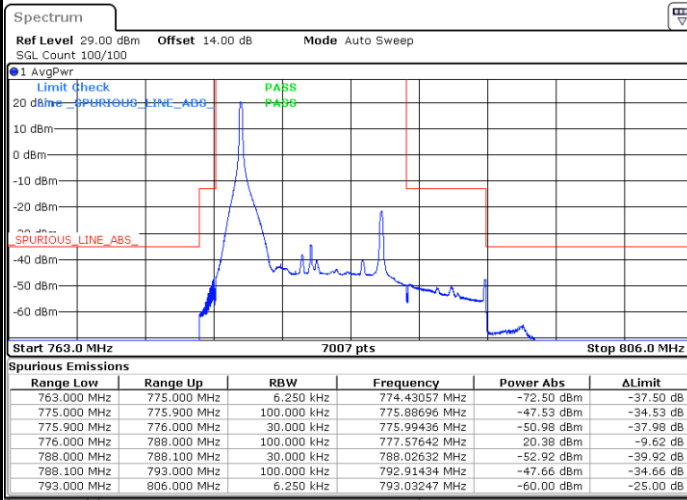


Date: 29.NOV.2022 13:59:07



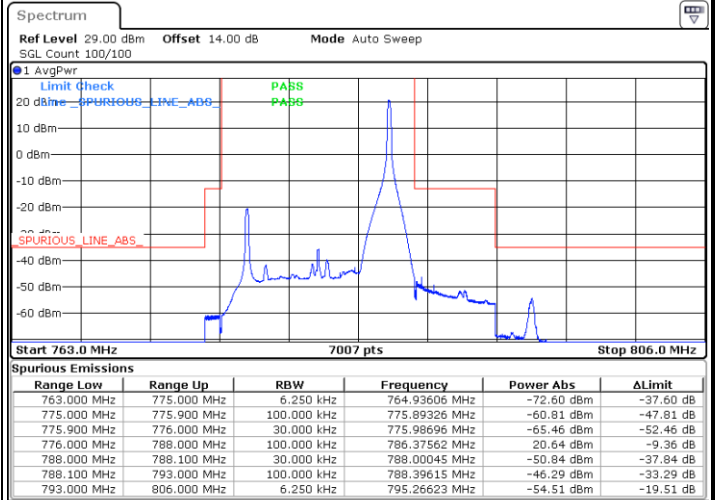
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



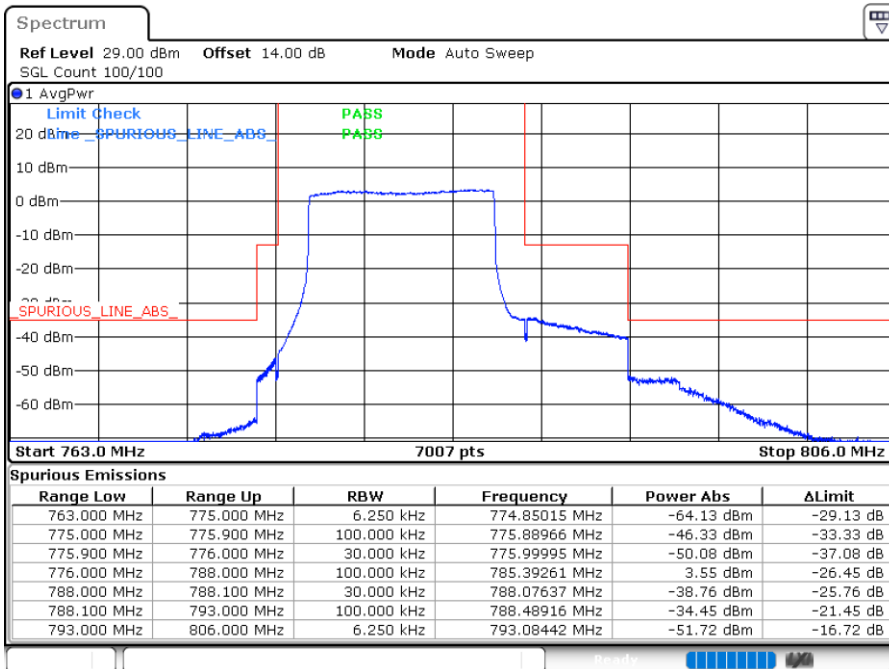
Date: 29.NOV.2022 14:06:37

Highest Band Edge / 1 RB



Date: 29.NOV.2022 14:08:30

Band Edge / Full RB

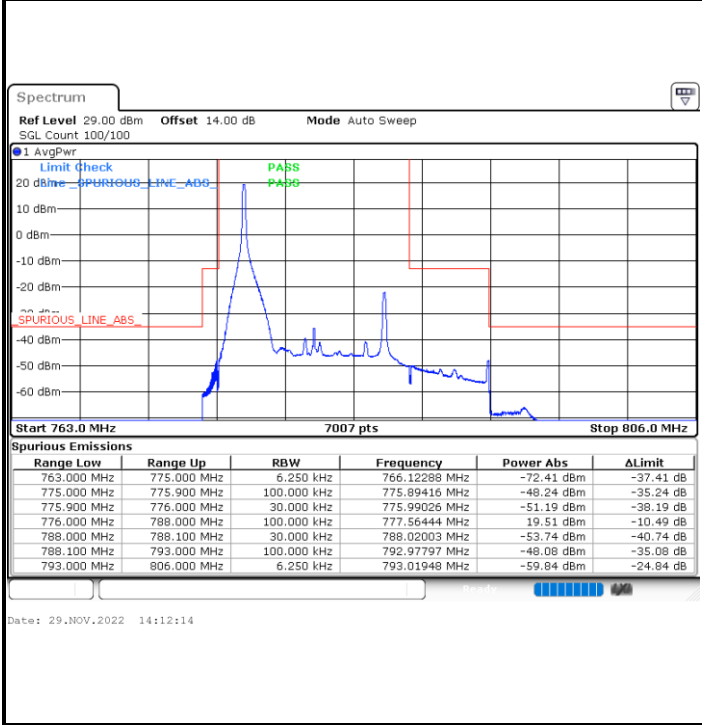


Date: 29.NOV.2022 14:04:44

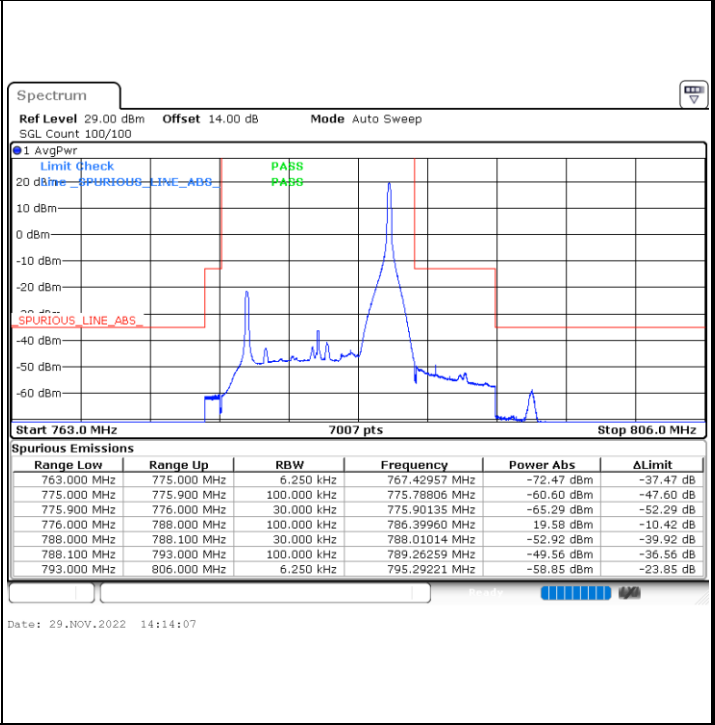


LTE Band 13 / 10MHz / 64QAM

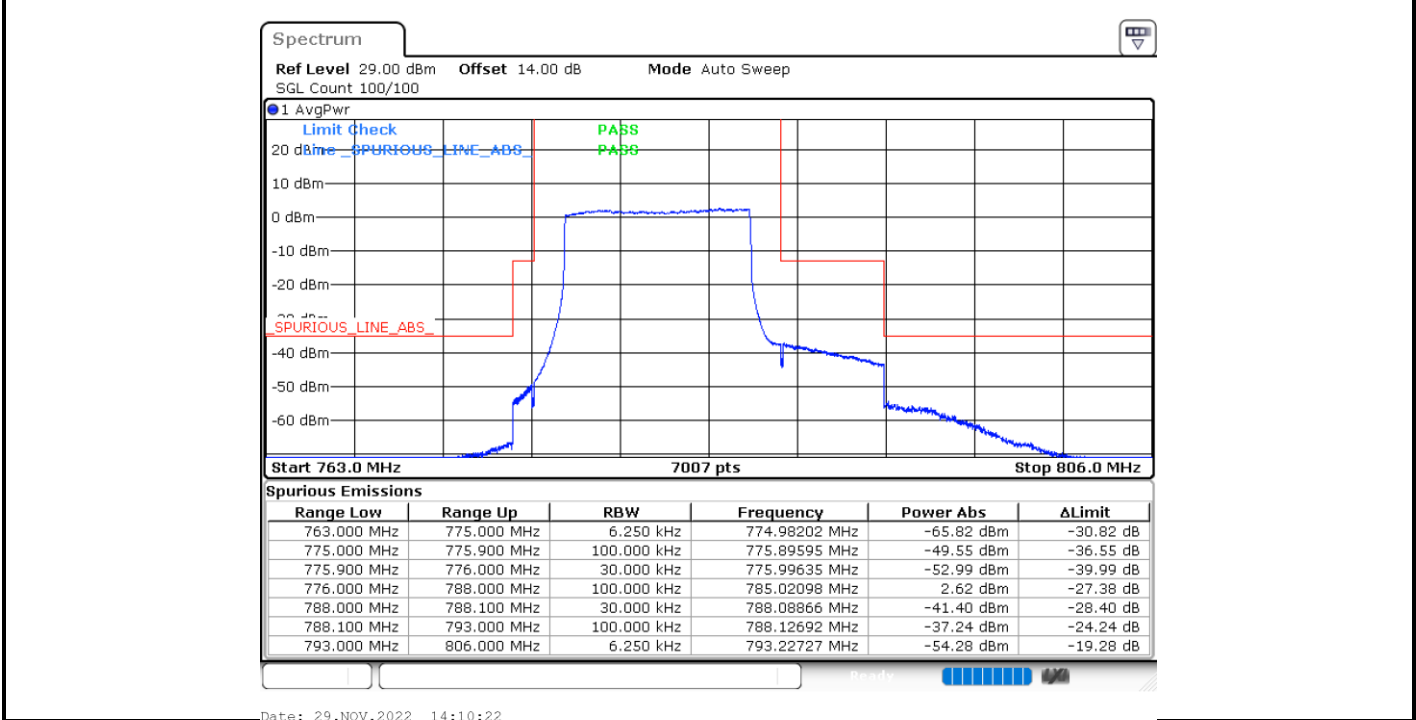
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

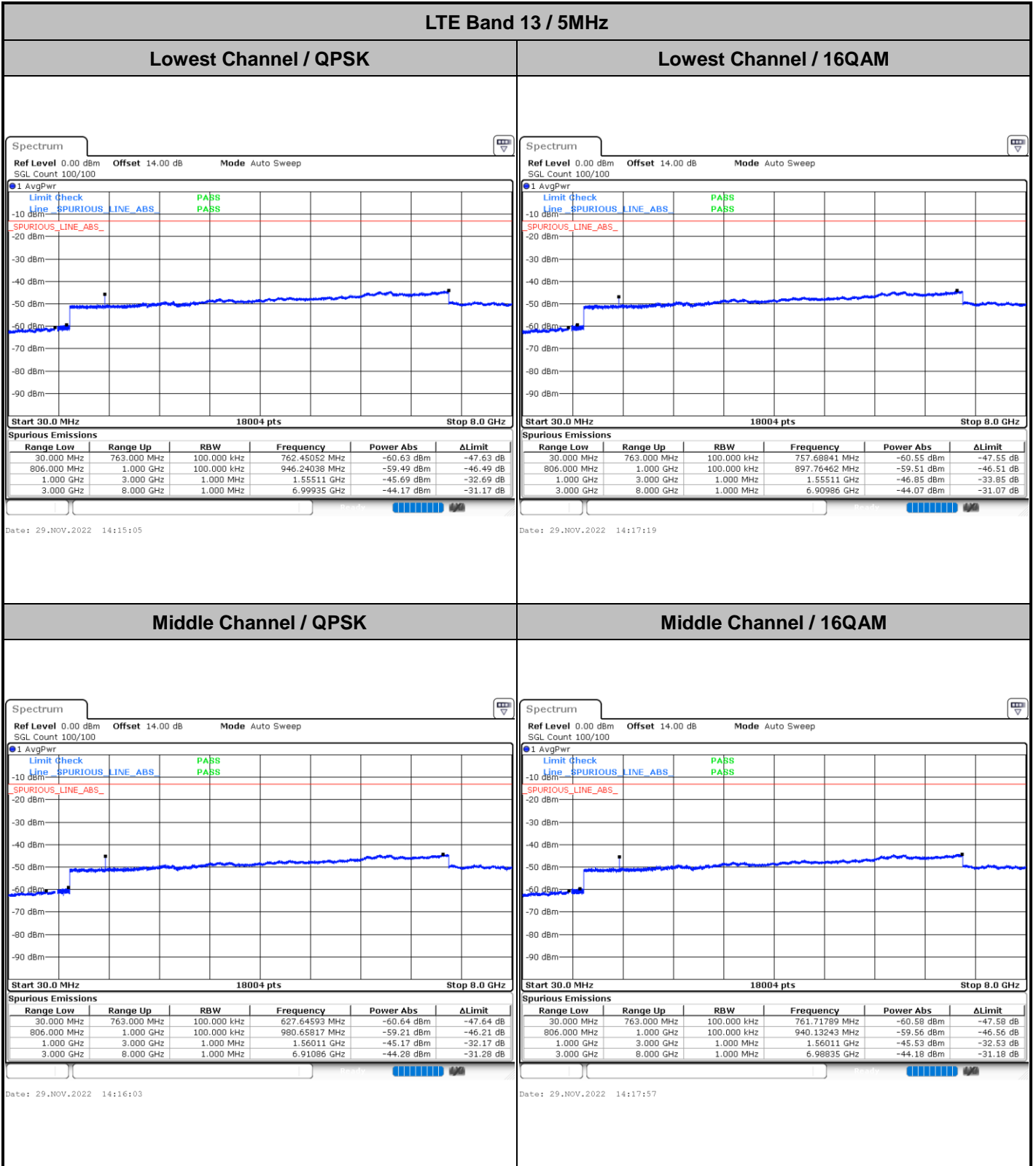


Band Edge / Full RB





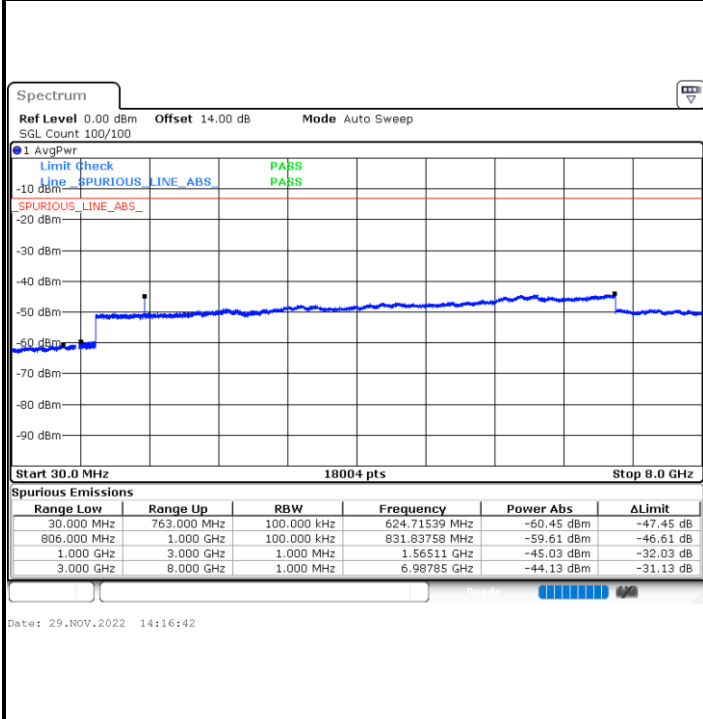
Conducted Spurious Emission



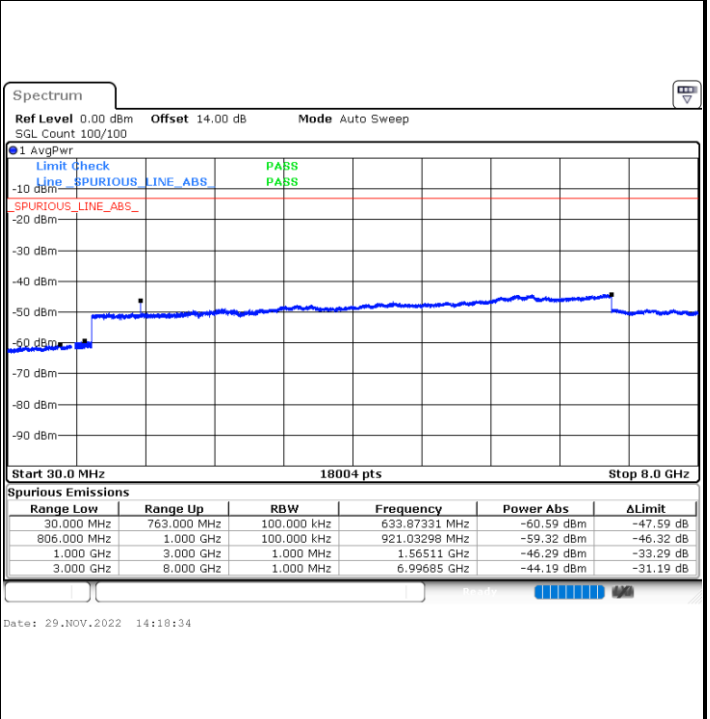


LTE Band 13 / 5MHz

Highest Channel / QPSK

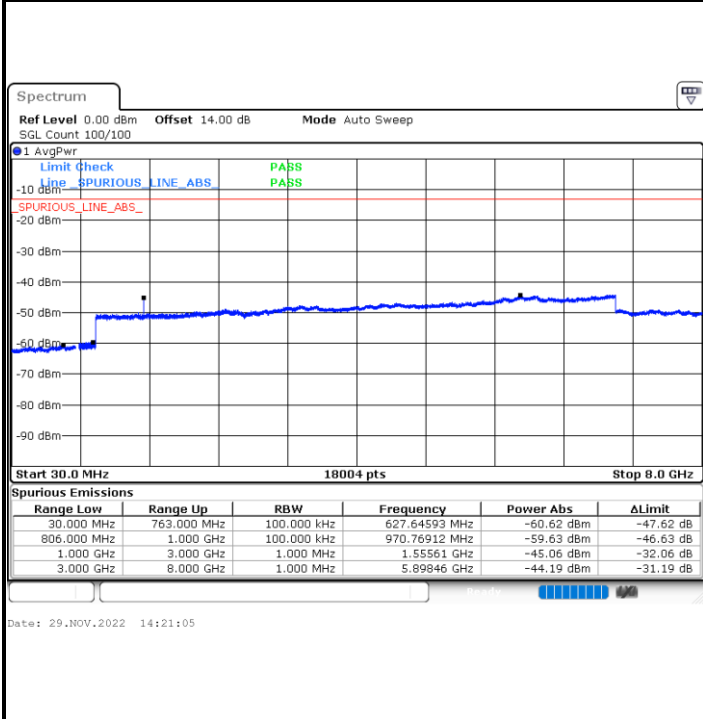


Highest Channel / 16QAM

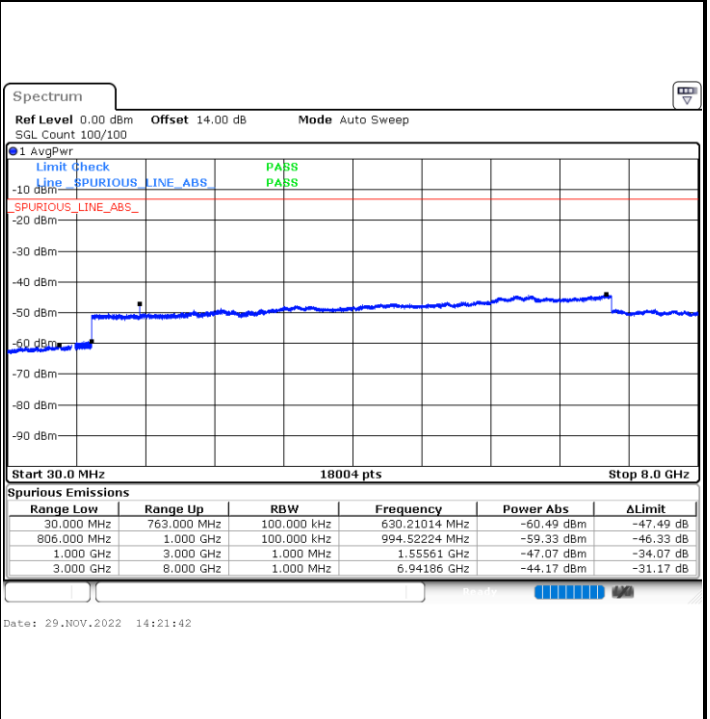


LTE Band 13 / 10MHz

Middle Channel / QPSK



Middle Channel / 16QAM

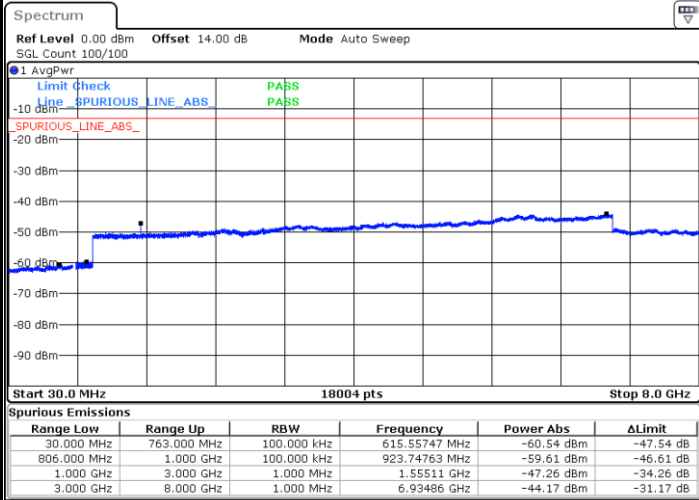




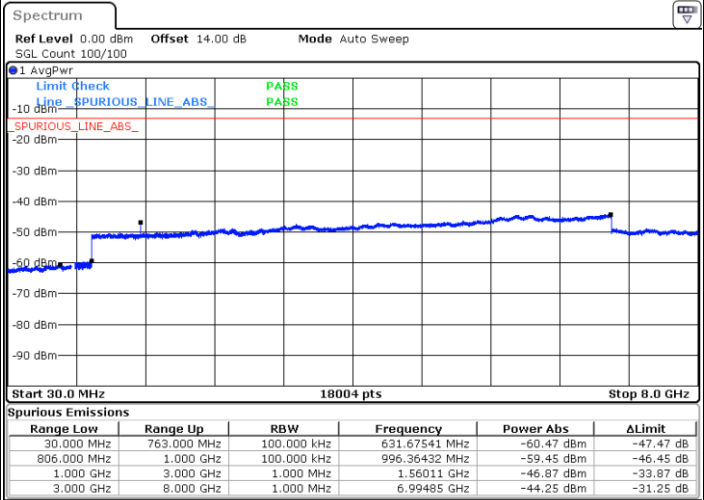
LTE Band 13 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

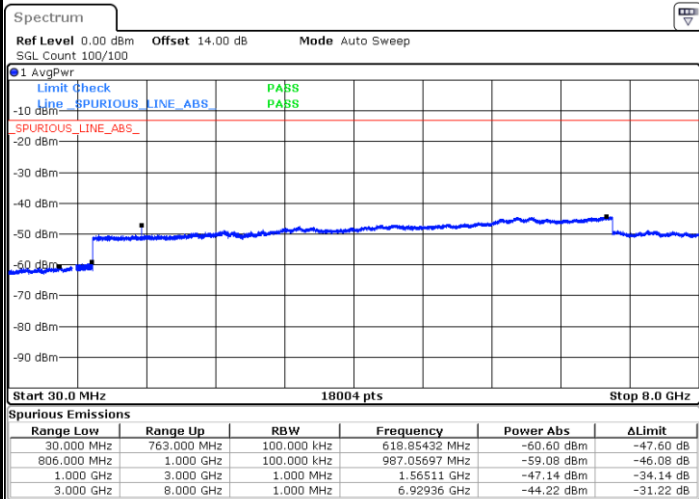


Date: 29.NOV.2022 14:19:12



Date: 29.NOV.2022 14:19:49

Highest Channel / 64QAM

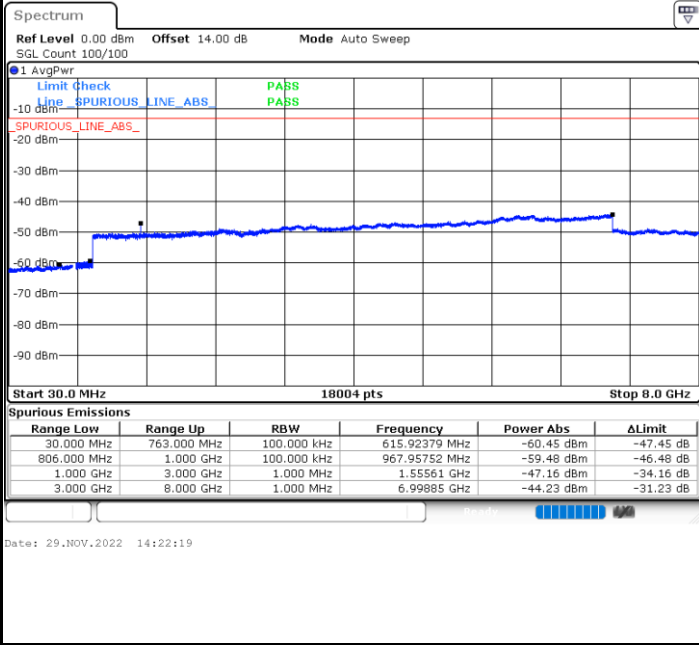


Date: 29.NOV.2022 14:20:27



LTE Band 13 / 10MHz

Middle Channel / 64QAM





Frequency Stability

| Test Conditions | | LTE Band 13 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0019 | PASS |
| 40 | Normal Voltage | 0.0009 | |
| 30 | Normal Voltage | 0.0003 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0015 | |
| 0 | Normal Voltage | 0.0009 | |
| -10 | Normal Voltage | 0.0008 | |
| -20 | Normal Voltage | 0.0009 | |
| -30 | Normal Voltage | 0.0022 | |
| 20 | Maximum Voltage | 0.0001 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0028 | |

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

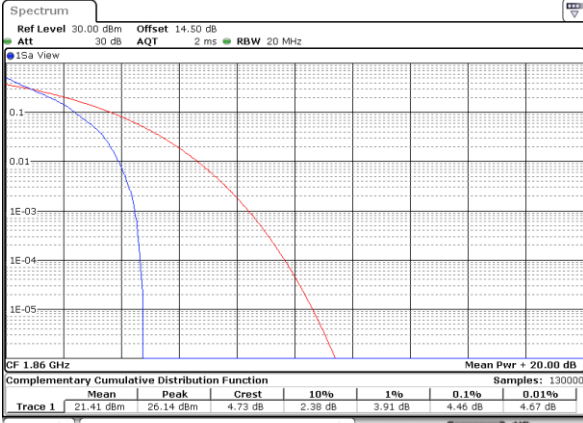
Peak-to-Average Ratio

| Mode | LTE Band 25 / 20MHz | | | | |
|------------|---------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 4.46 | 4.99 | 5.22 | 5.88 | PASS |
| Middle CH | 4.75 | 4.93 | 5.86 | 5.88 | |
| Highest CH | 4.52 | 4.81 | 5.51 | 5.68 | |
| Mode | LTE Band 25 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 6.06 | 6.12 | - | - | PASS |
| Middle CH | 5.68 | 6.09 | - | - | |
| Highest CH | 5.80 | 6.06 | - | - | |



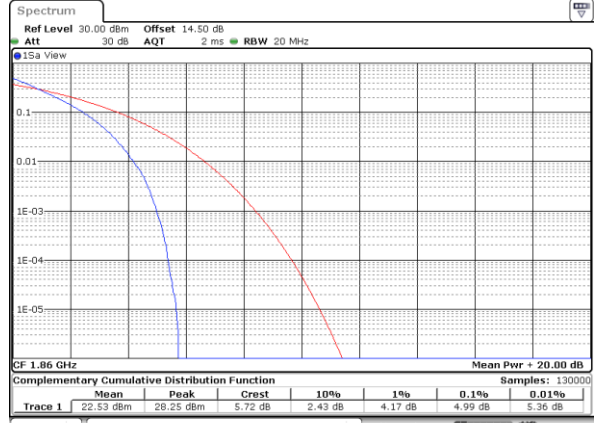
LTE Band 25 / 20MHz / QPSK

Lowest Channel / 1RB



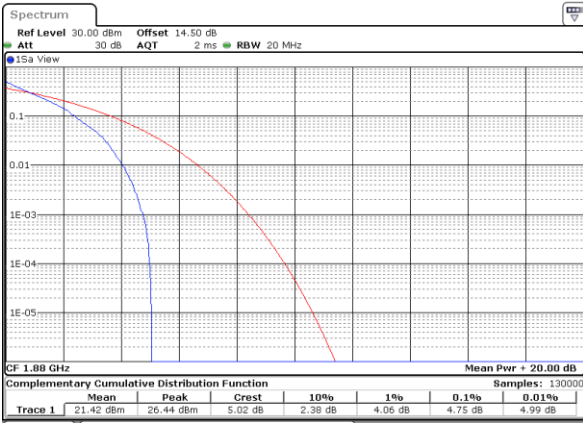
Date: 1.DEC.2022 08:57:35

Lowest Channel / Full RB



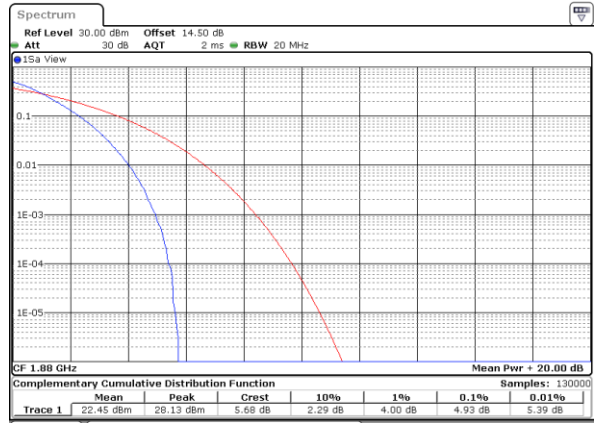
Date: 30.NOV.2022 18:28:12

Middle Channel / 1RB



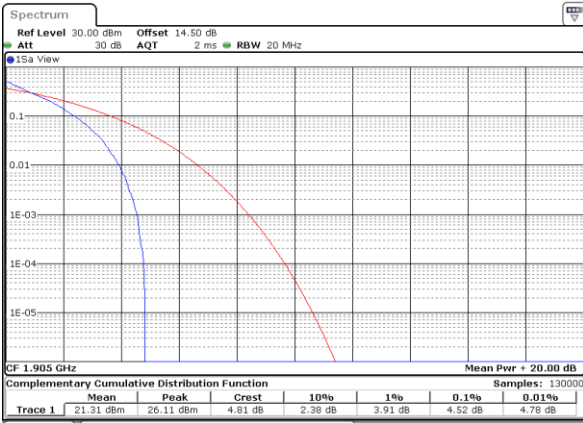
Date: 1.DEC.2022 08:59:22

Middle Channel / Full RB



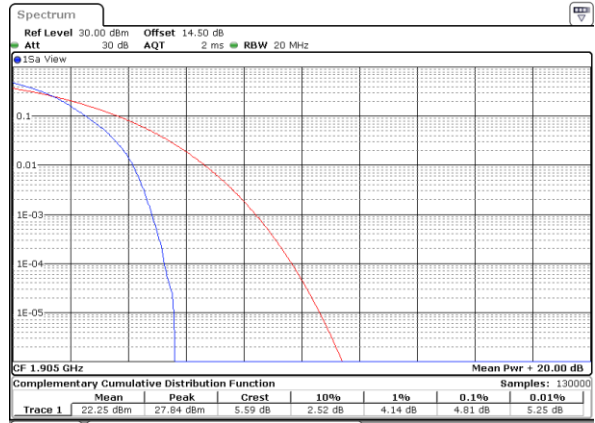
Date: 30.NOV.2022 18:29:57

Highest Channel / 1RB



Date: 1.DEC.2022 08:59:53

Highest Channel / Full RB

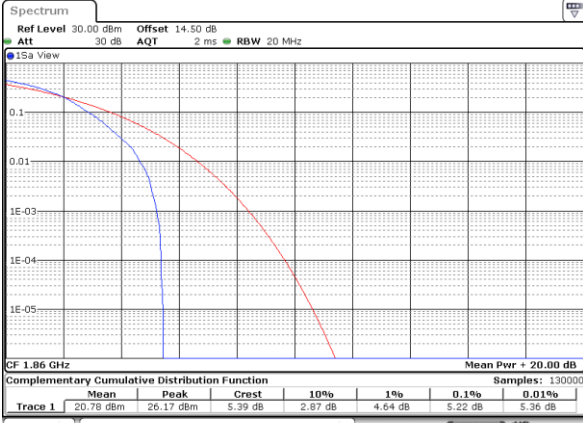


Date: 30.NOV.2022 18:31:42



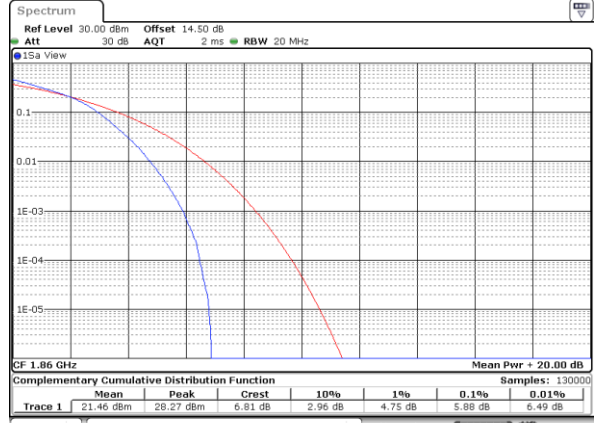
LTE Band 25 / 20MHz / 16QAM

Lowest Channel / 1RB



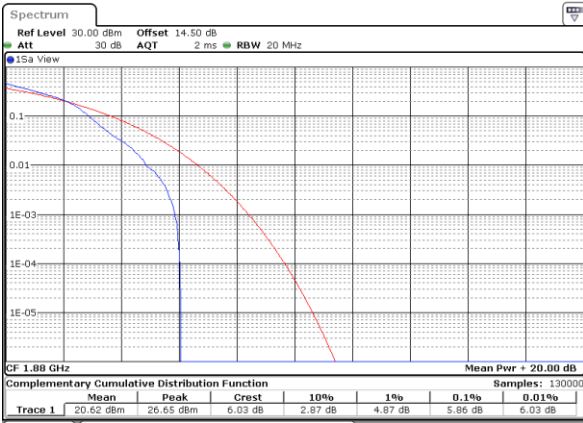
Date: 1,DEC,2022 08:57:09

Lowest Channel / Full RB



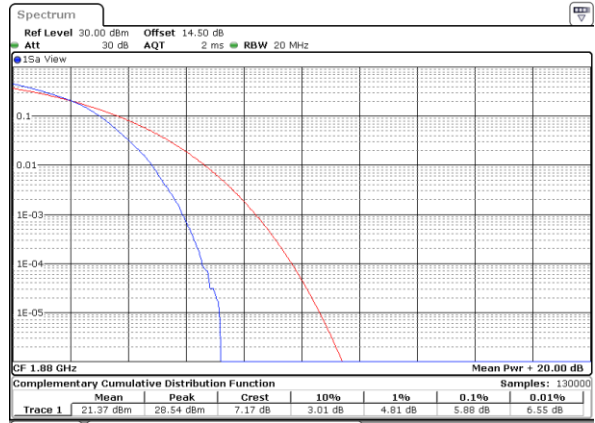
Date: 30,NOV,2022 18:27:19

Middle Channel / 1RB



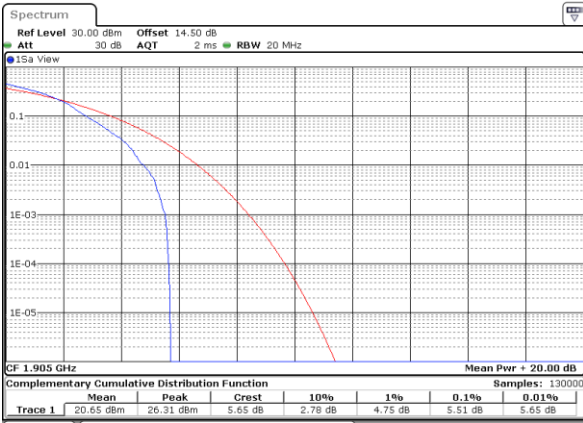
Date: 30,NOV,2022 18:28:08

Middle Channel / Full RB



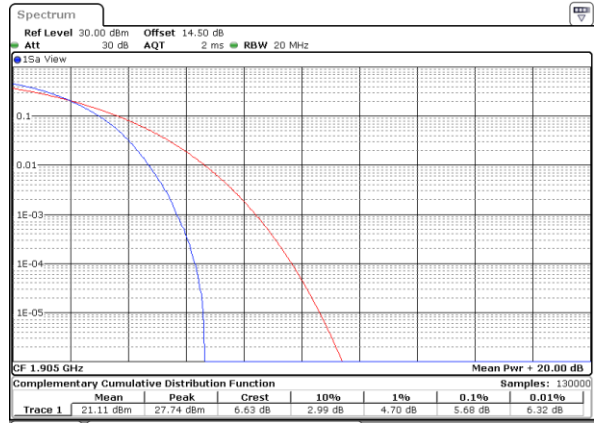
Date: 30,NOV,2022 18:29:04

Highest Channel / 1RB



Date: 30,NOV,2022 18:30:23

Highest Channel / Full RB

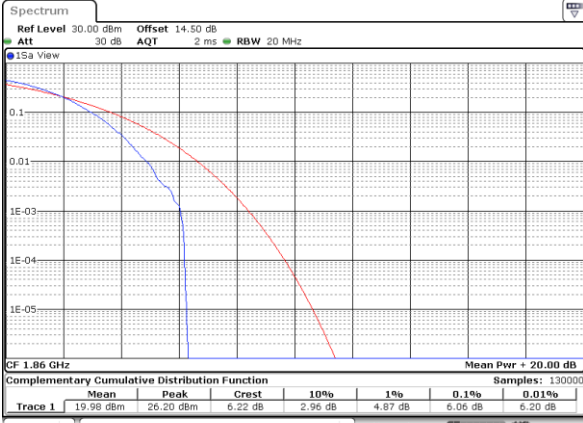


Date: 30,NOV,2022 18:30:50



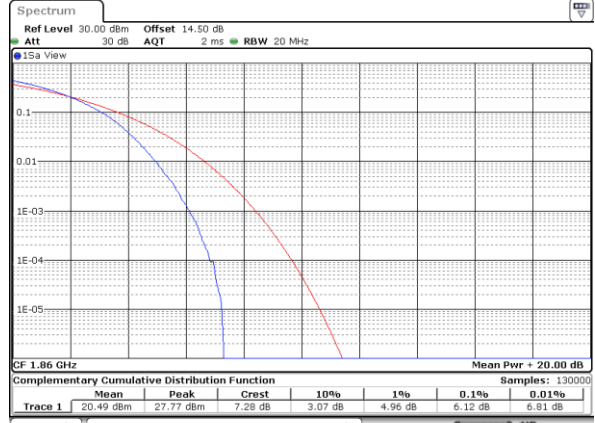
LTE Band 25 / 20MHz / 64QAM

Lowest Channel / 1RB



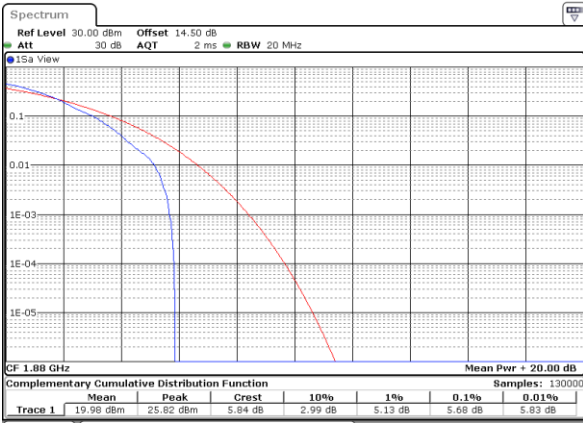
Date: 30.NOV.2022 18:19:00

Lowest Channel / Full RB



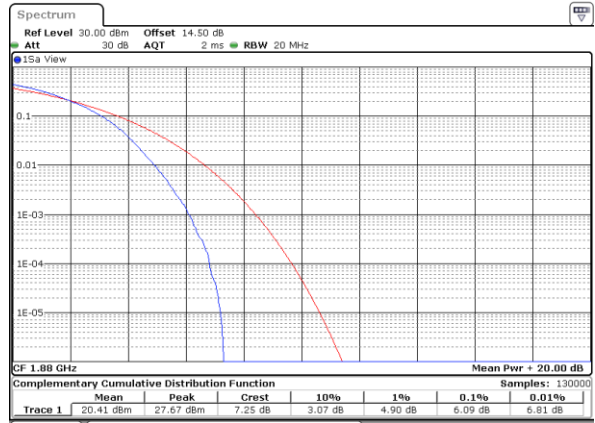
Date: 30.NOV.2022 18:19:26

Middle Channel / 1RB



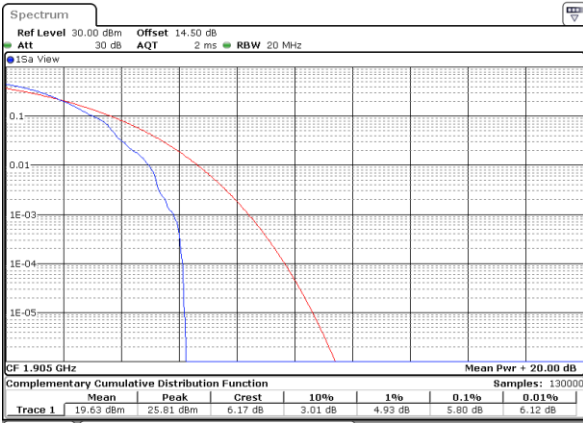
Date: 30.NOV.2022 18:19:52

Middle Channel / Full RB



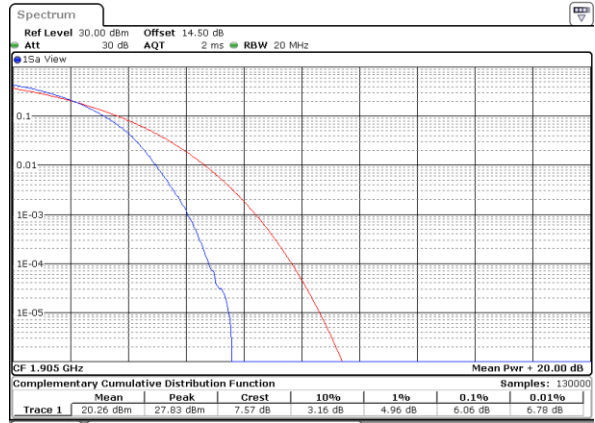
Date: 30.NOV.2022 18:20:18

Highest Channel / 1RB



Date: 30.NOV.2022 18:20:44

Highest Channel / Full RB



Date: 30.NOV.2022 18:21:10



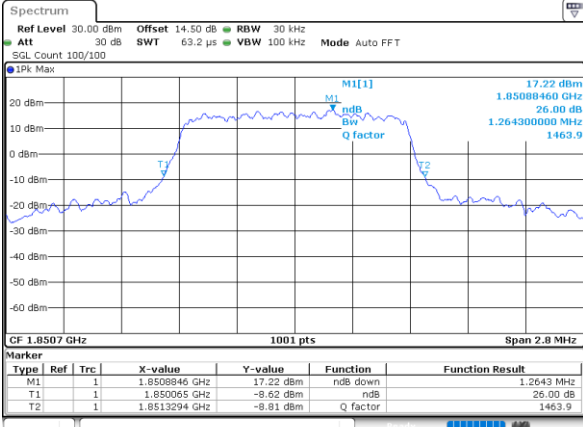
26dB Bandwidth

| Mode | LTE Band 25 : 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 | 1.26 | 1.30 | 2.94 | 2.95 | 5.07 | 4.96 | 9.83 | 9.81 | 14.36 | 14.54 | 18.98 | 18.90 |
| Middle CH | 1.25 | 1.30 | 2.94 | 2.98 | 4.87 | 4.72 | 9.67 | 10.05 | 14.60 | 14.90 | 18.70 | 18.94 |
| Highest CH | 1.31 | 1.30 | 2.96 | 2.95 | 5.03 | 5.04 | 9.75 | 9.87 | 14.42 | 14.51 | 18.98 | 18.86 |
| Mode | LTE Band 25 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.29 | - | 2.95 | - | 4.89 | - | 9.77 | - | 14.33 | - | 19.66 | - |
| Middle CH | 1.29 | - | 2.92 | - | 5.13 | - | 10.01 | - | 14.30 | - | 18.98 | - |
| Highest CH | 1.28 | - | 2.92 | - | 5.07 | - | 9.83 | - | 14.27 | - | 18.74 | - |



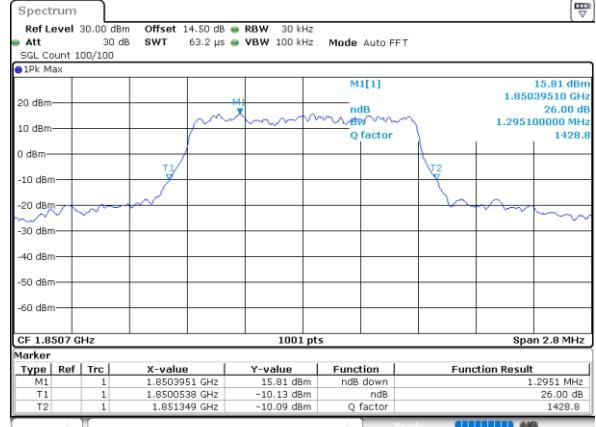
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



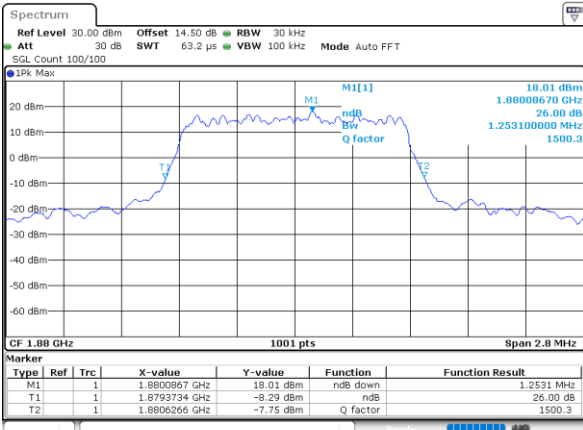
Date: 30,NOV,2022 17:18:31

Lowest Channel / 1.4MHz / 16QAM



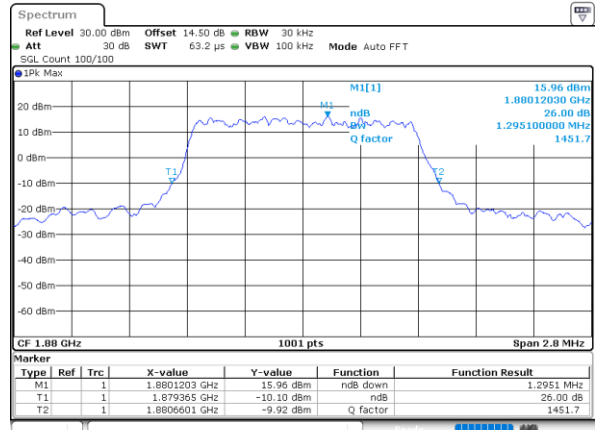
Date: 30,NOV,2022 17:18:56

Middle Channel / 1.4MHz / QPSK



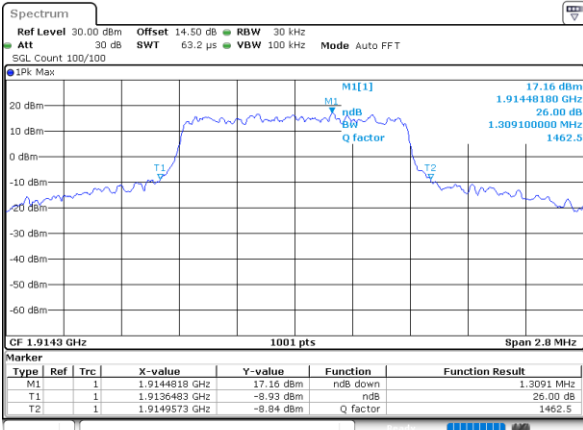
Date: 30,NOV,2022 17:20:10

Middle Channel / 1.4MHz / 16QAM



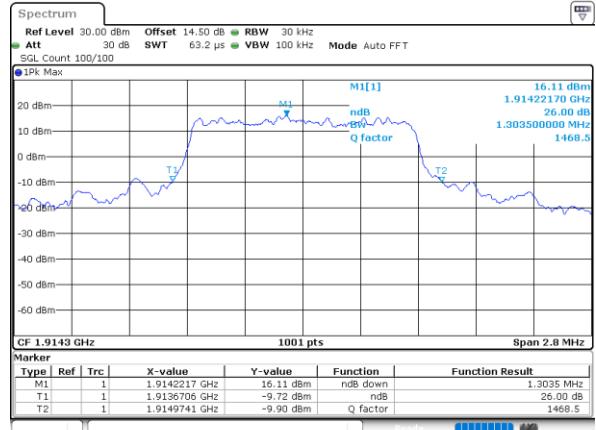
Date: 30,NOV,2022 17:20:35

Highest Channel / 1.4MHz / QPSK



Date: 30,NOV,2022 17:22:04

Highest Channel / 1.4MHz / 16QAM

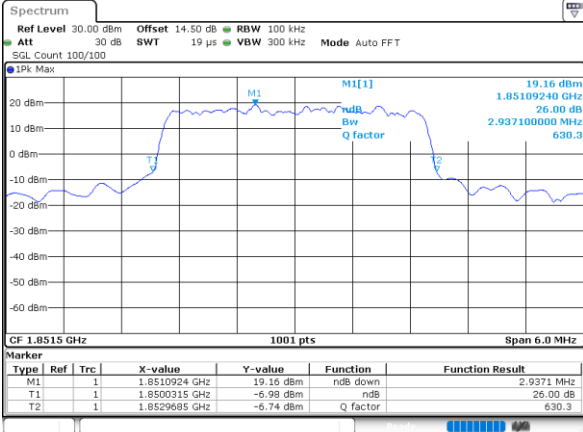


Date: 30,NOV,2022 17:22:10



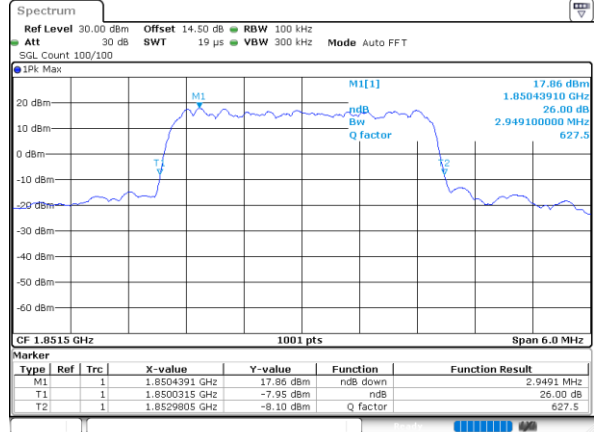
LTE Band 25

Lowest Channel / 3MHz / QPSK



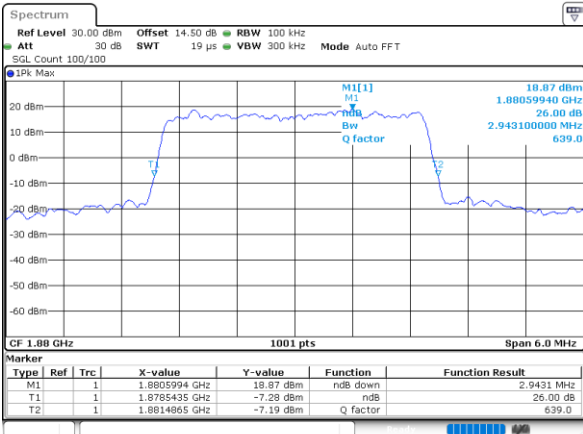
Date: 30.NOV.2022 16:54:33

Lowest Channel / 3MHz / 16QAM



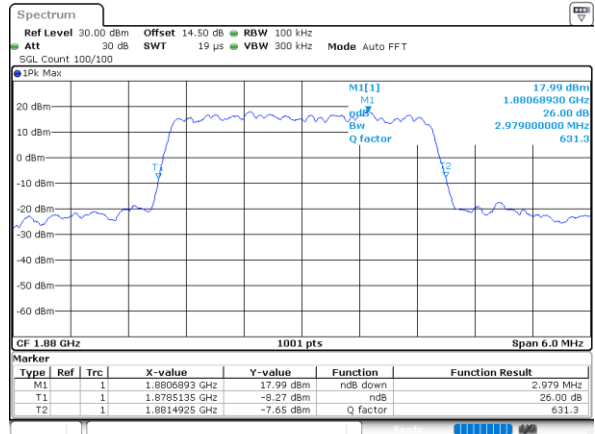
Date: 30.NOV.2022 16:54:57

Middle Channel / 3MHz / QPSK



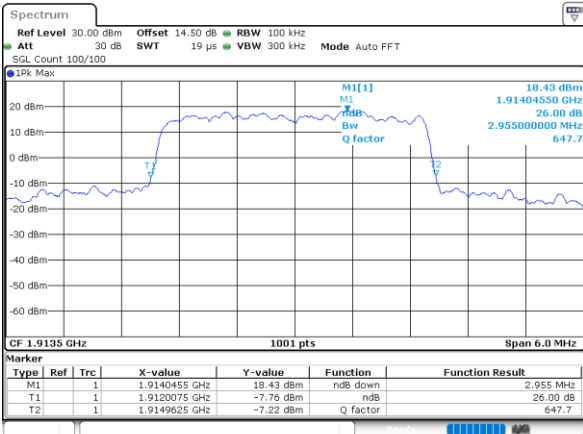
Date: 30.NOV.2022 16:56:12

Middle Channel / 3MHz / 16QAM



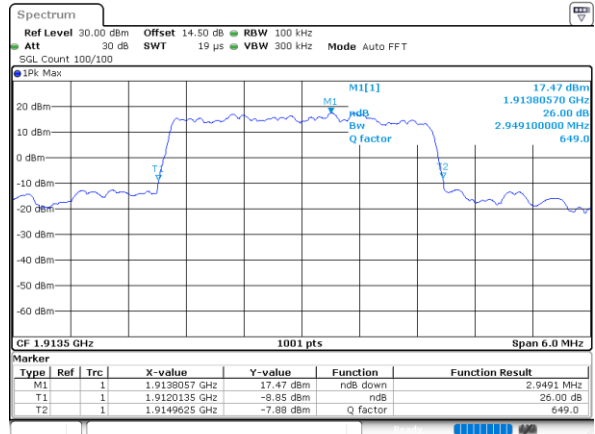
Date: 30.NOV.2022 16:56:36

Highest Channel / 3MHz / QPSK



Date: 30.NOV.2022 16:58:06

Highest Channel / 3MHz / 16QAM

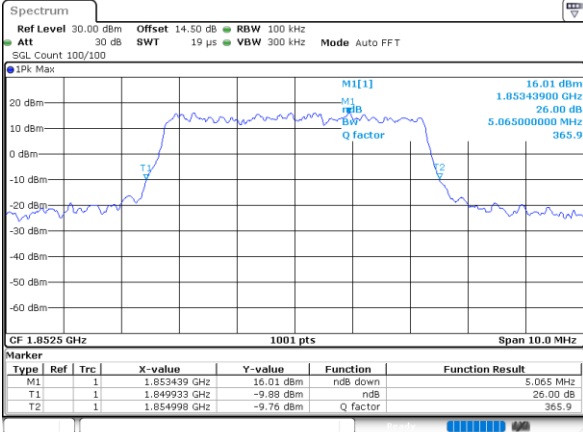


Date: 30.NOV.2022 16:57:41



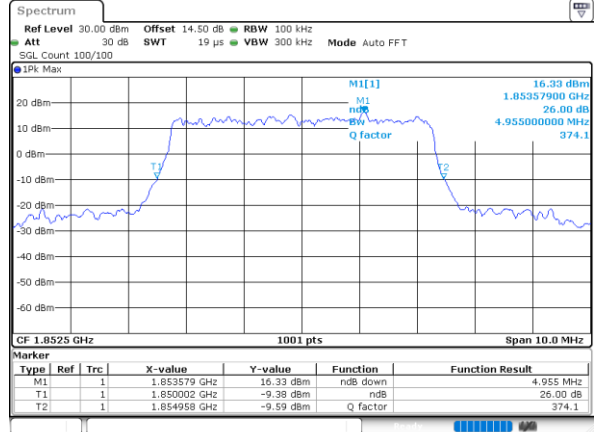
LTE Band 25

Lowest Channel / 5MHz / QPSK



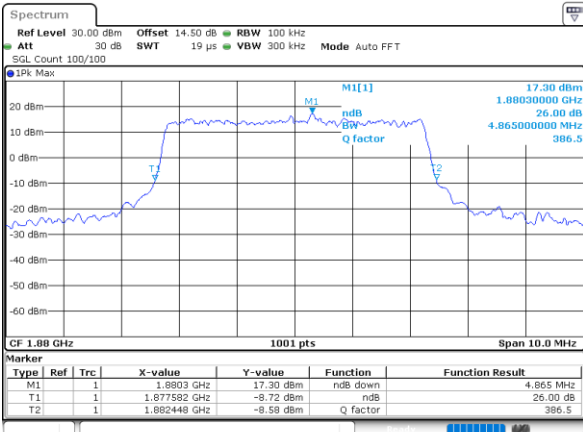
Date: 30,NOV,2022 16:59:20

Lowest Channel / 5MHz / 16QAM



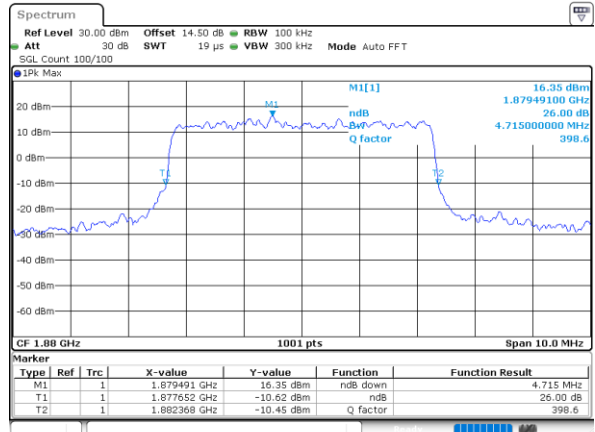
Date: 30,NOV,2022 16:59:45

Middle Channel / 5MHz / QPSK



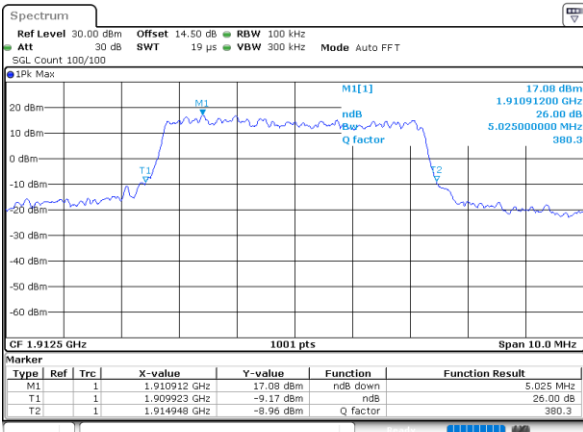
Date: 30,NOV,2022 17:00:58

Middle Channel / 5MHz / 16QAM



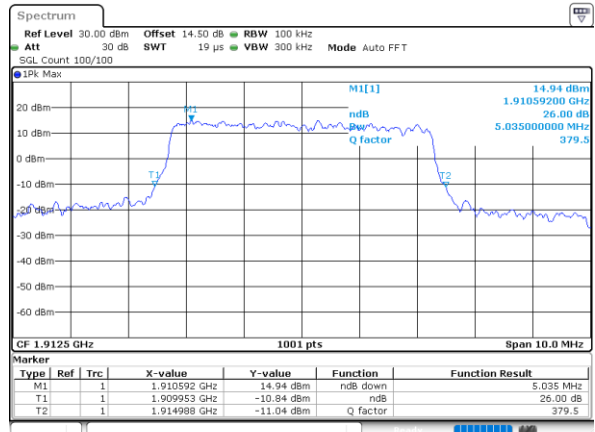
Date: 30,NOV,2022 17:01:23

Highest Channel / 5MHz / QPSK



Date: 30,NOV,2022 17:02:52

Highest Channel / 5MHz / 16QAM

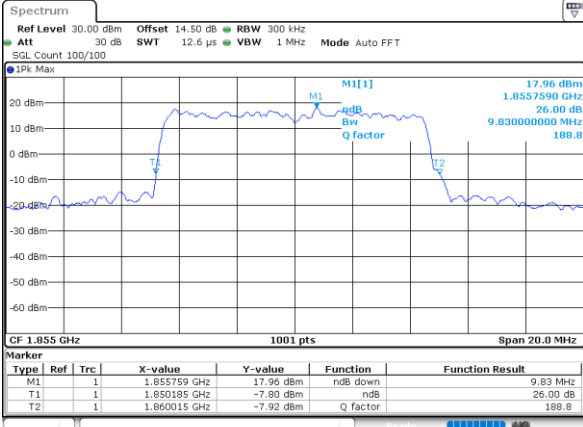


Date: 30,NOV,2022 17:02:27



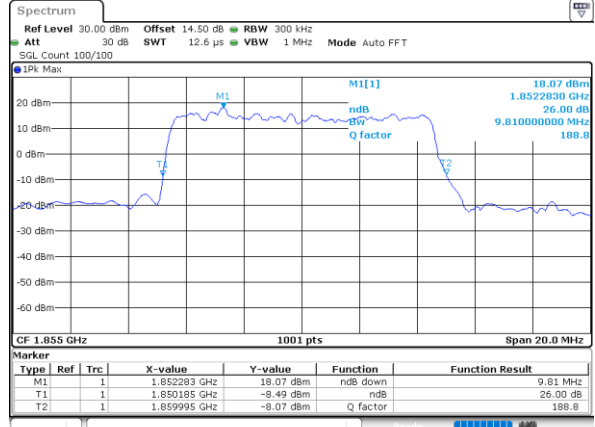
LTE Band 25

Lowest Channel / 10MHz / QPSK



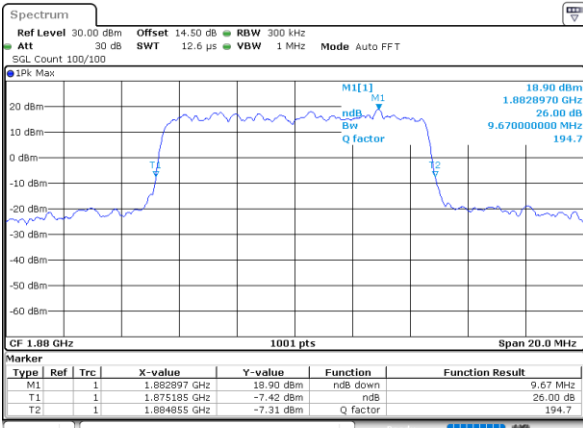
Date: 30,NOV,2022 17:04:07

Lowest Channel / 10MHz / 16QAM



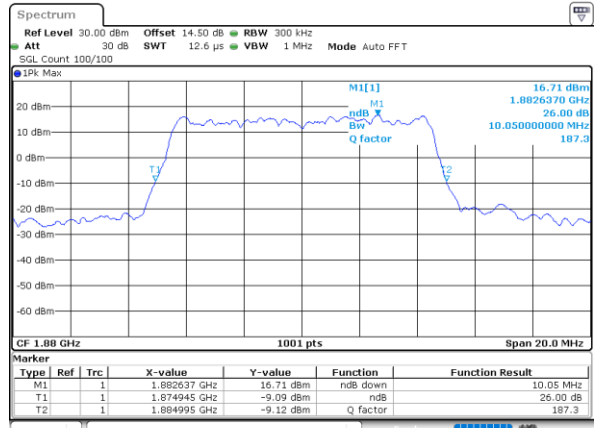
Date: 30,NOV,2022 17:04:132

Middle Channel / 10MHz / QPSK



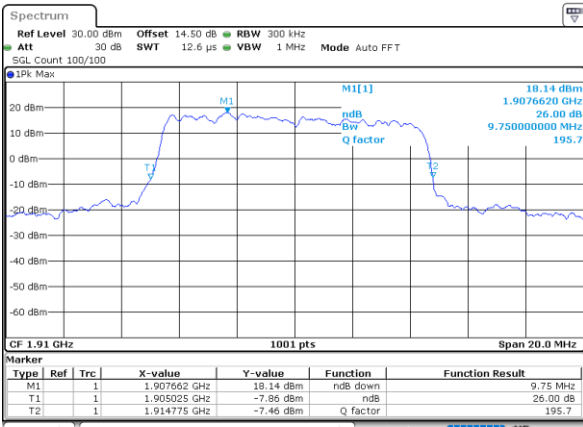
Date: 30,NOV,2022 17:05:47

Middle Channel / 10MHz / 16QAM



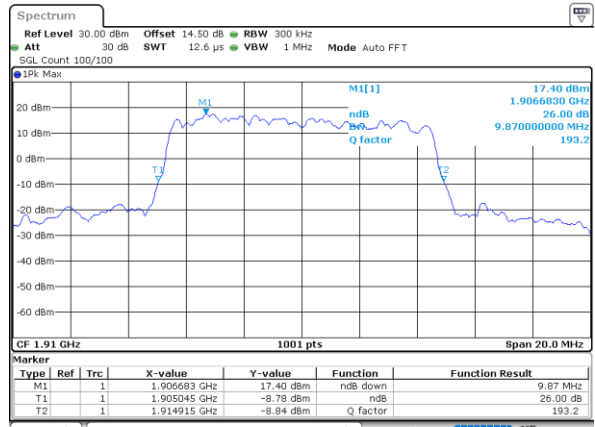
Date: 30,NOV,2022 17:06:112

Highest Channel / 10MHz / QPSK



Date: 30,NOV,2022 17:07:41

Highest Channel / 10MHz / 16QAM

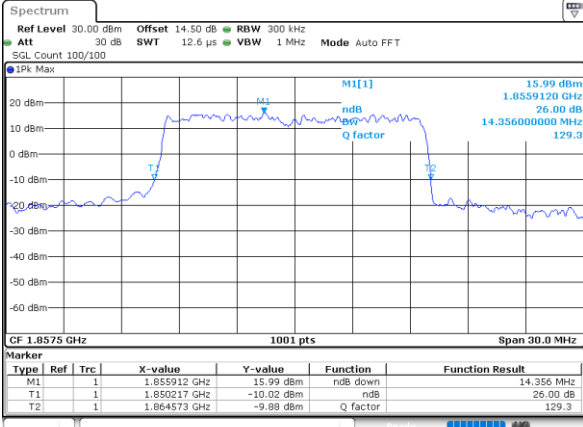


Date: 30,NOV,2022 17:07:116



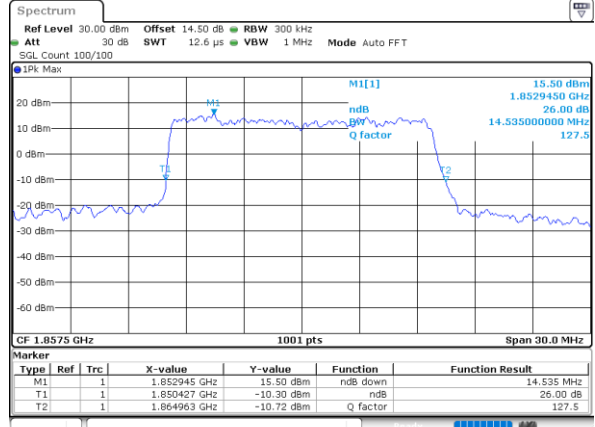
LTE Band 25

Lowest Channel / 15MHz / QPSK



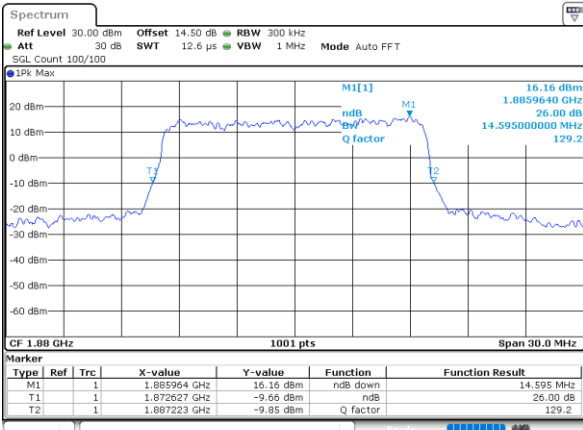
Date: 30,NOV,2022 17:08:55

Lowest Channel / 15MHz / 16QAM



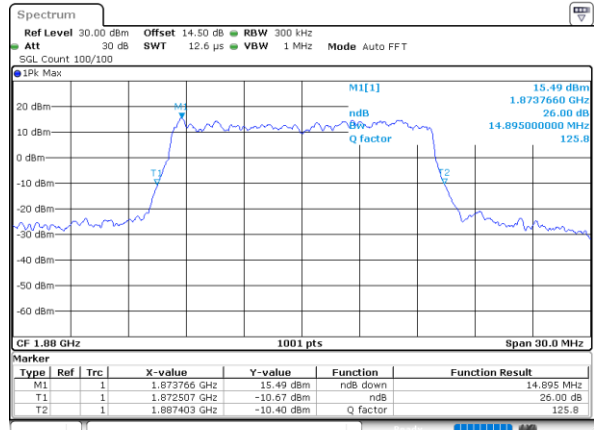
Date: 30,NOV,2022 17:10:120

Middle Channel / 15MHz / QPSK



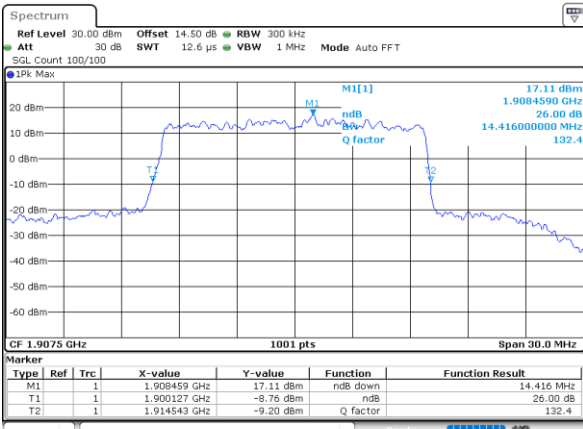
Date: 30,NOV,2022 17:10:54

Middle Channel / 15MHz / 16QAM



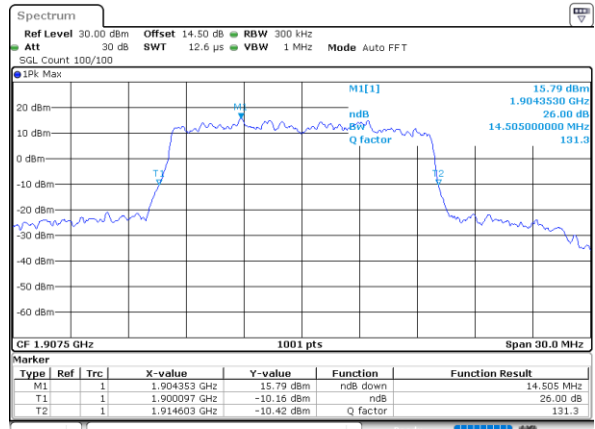
Date: 30,NOV,2022 17:10:559

Highest Channel / 15MHz / QPSK



Date: 30,NOV,2022 17:12:29

Highest Channel / 15MHz / 16QAM

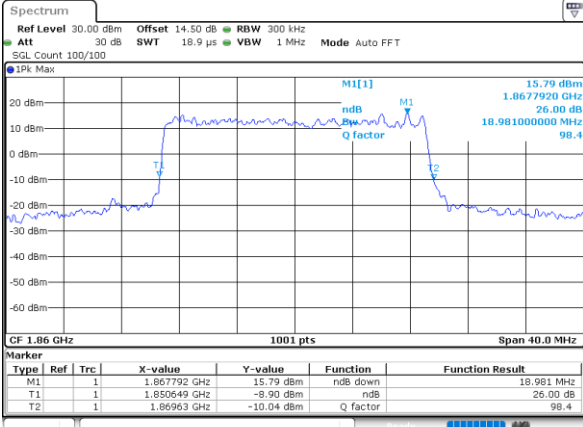


Date: 30,NOV,2022 17:12:04



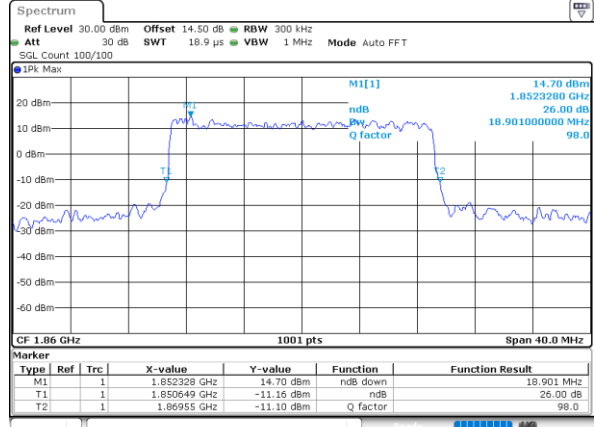
LTE Band 25

Lowest Channel / 20MHz / QPSK



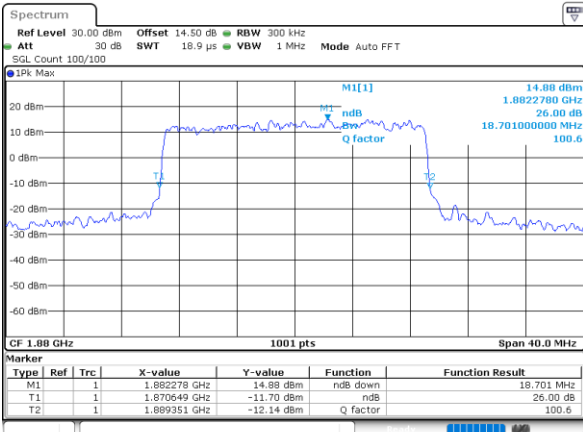
Date: 30,NOV,2022 17:13:43

Lowest Channel / 20MHz / 16QAM



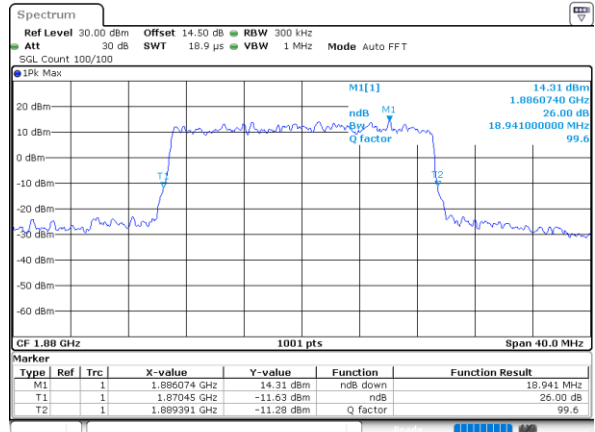
Date: 30,NOV,2022 17:14:08

Middle Channel / 20MHz / QPSK



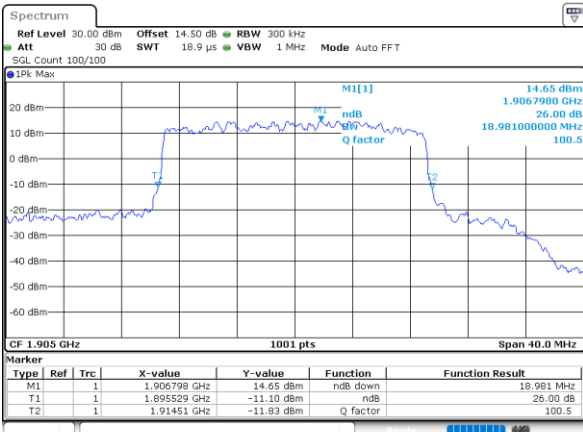
Date: 30,NOV,2022 17:15:23

Middle Channel / 20MHz / 16QAM



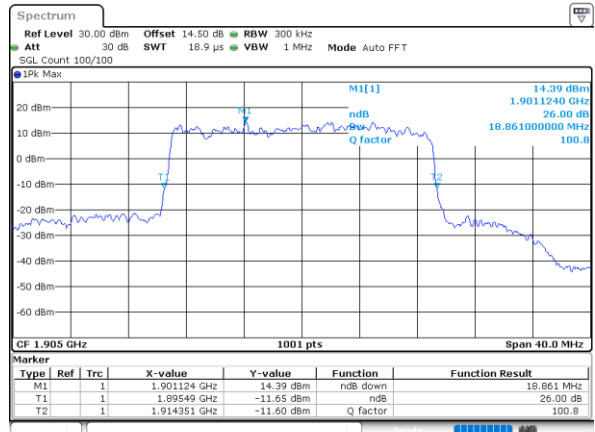
Date: 30,NOV,2022 17:15:47

Highest Channel / 20MHz / QPSK



Date: 30,NOV,2022 17:17:17

Highest Channel / 20MHz / 16QAM

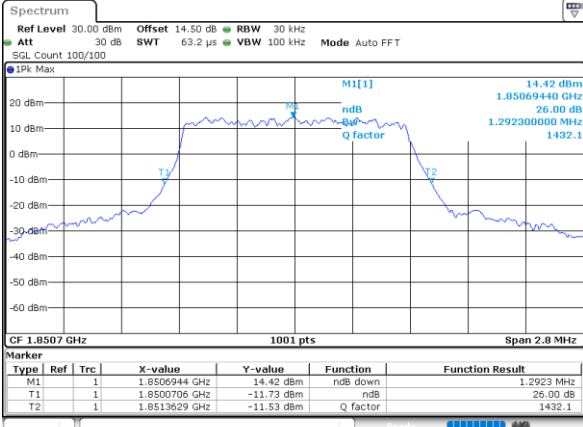


Date: 30,NOV,2022 17:16:52



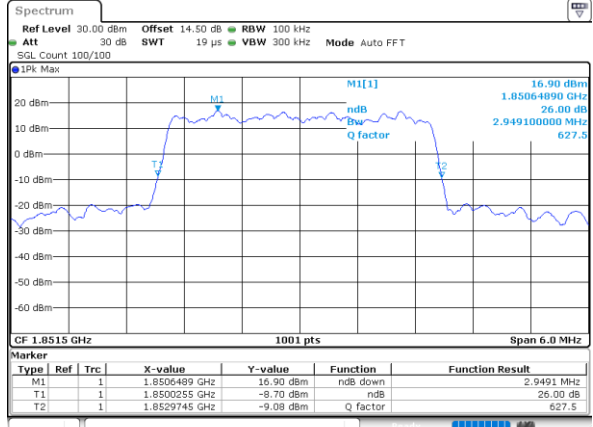
LTE Band 25

Lowest Channel / 1.4MHz / 64QAM



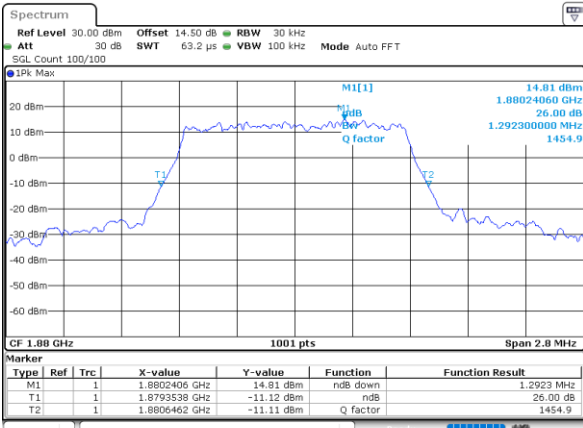
Date: 30,NOV,2022 18:02:13

Lowest Channel / 3MHz / 64QAM



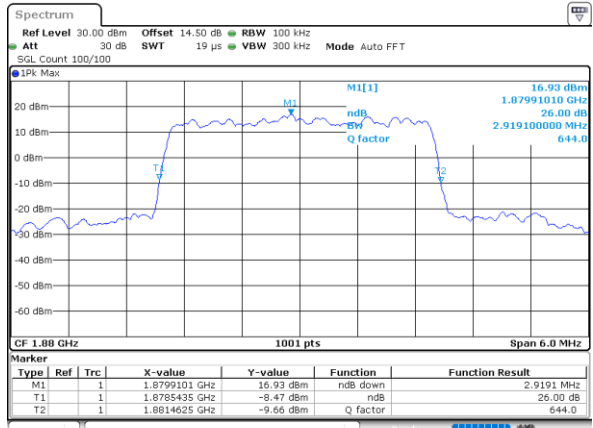
Date: 30,NOV,2022 17:52:132

Middle Channel / 1.4MHz / 64QAM



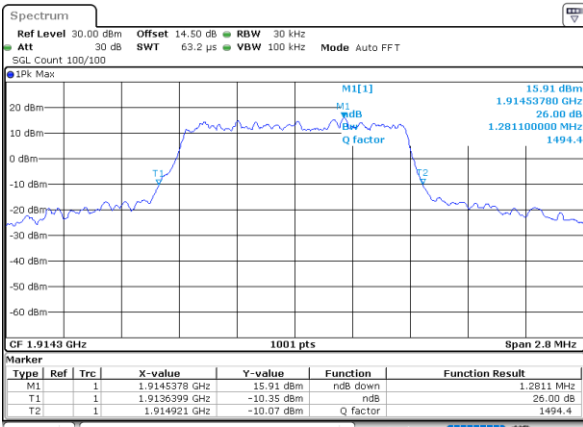
Date: 30,NOV,2022 18:03:14

Middle Channel / 3MHz / 64QAM



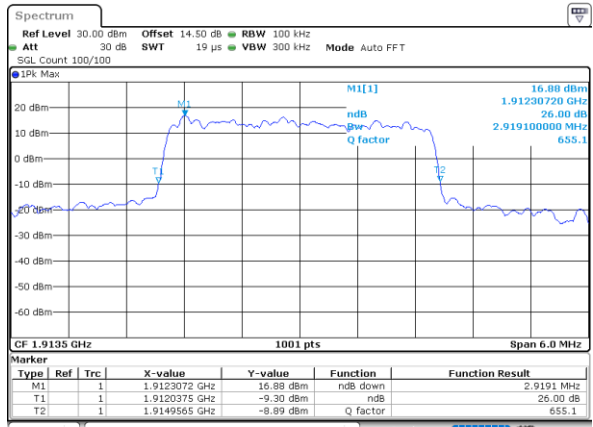
Date: 30,NOV,2022 17:53:112

Highest Channel / 1.4MHz / 64QAM



Date: 30,NOV,2022 18:03:54

Highest Channel / 3MHz / 64QAM

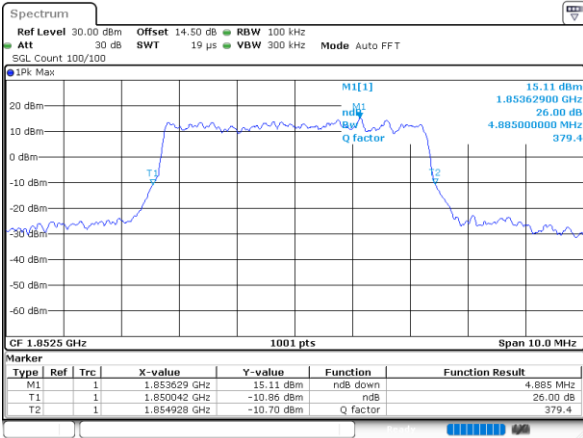


Date: 30,NOV,2022 17:53:52



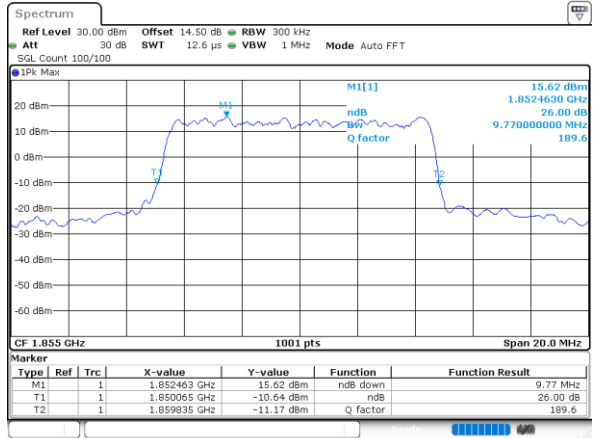
LTE Band 25

Lowest Channel / 5MHz / 64QAM



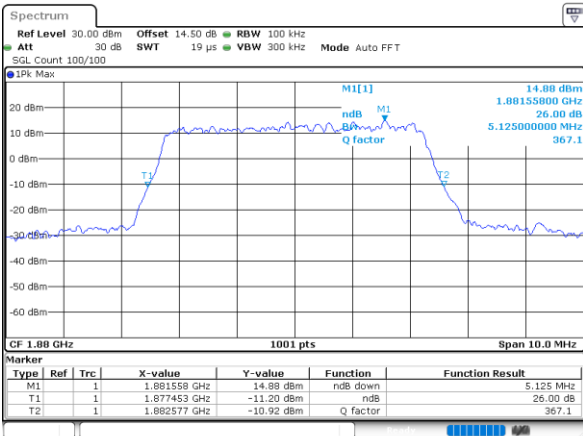
Date: 30,NOV,2022 17:54:32

Lowest Channel / 10MHz / 64QAM



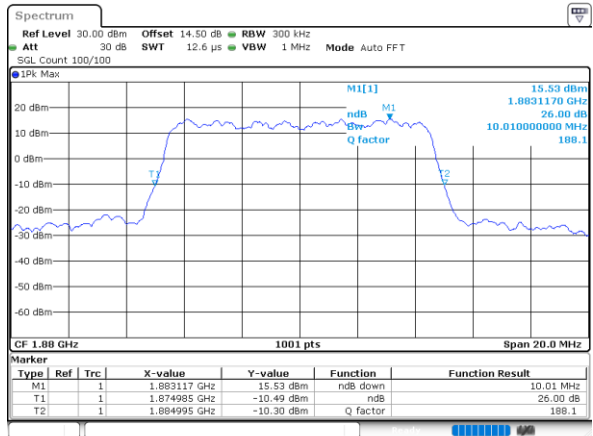
Date: 30,NOV,2022 17:56:32

Middle Channel / 5MHz / 64QAM



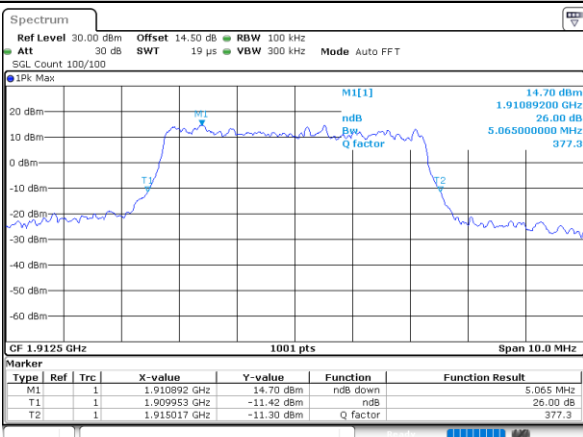
Date: 30,NOV,2022 17:55:12

Middle Channel / 10MHz / 64QAM



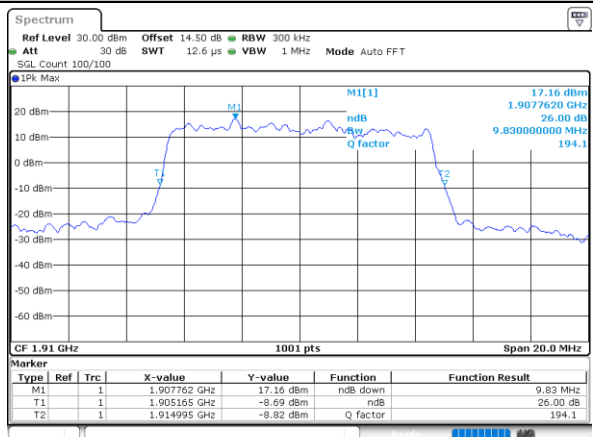
Date: 30,NOV,2022 17:57:12

Highest Channel / 5MHz / 64QAM



Date: 30,NOV,2022 17:55:52

Highest Channel / 10MHz / 64QAM

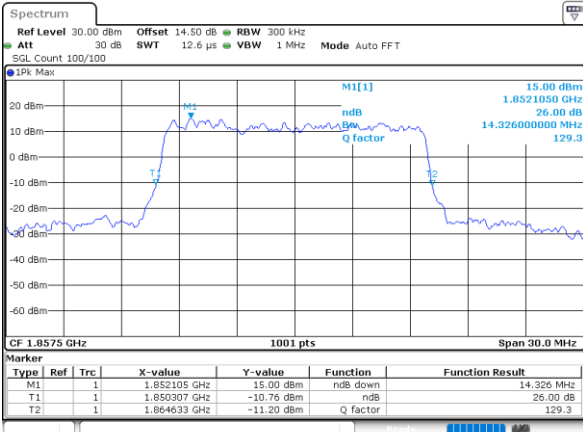


Date: 30,NOV,2022 17:57:52

LTE Band 25

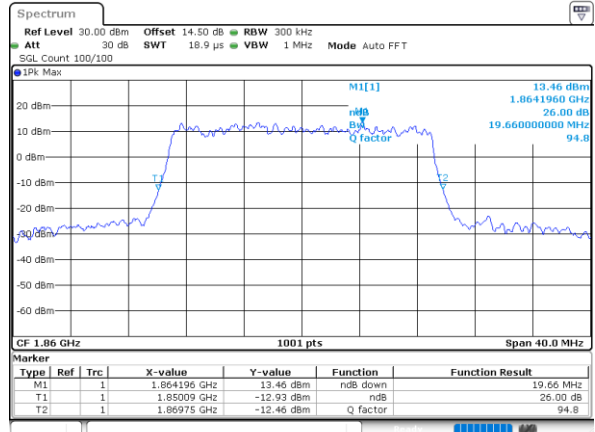


Lowest Channel / 15MHz / 64QAM



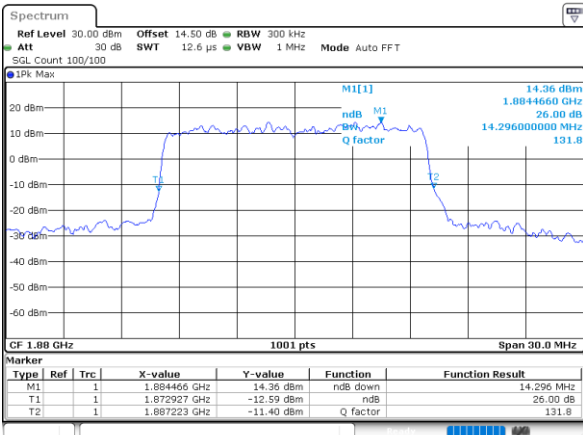
Date: 30.NOV.2022 17:58:33

Lowest Channel / 20MHz / 64QAM



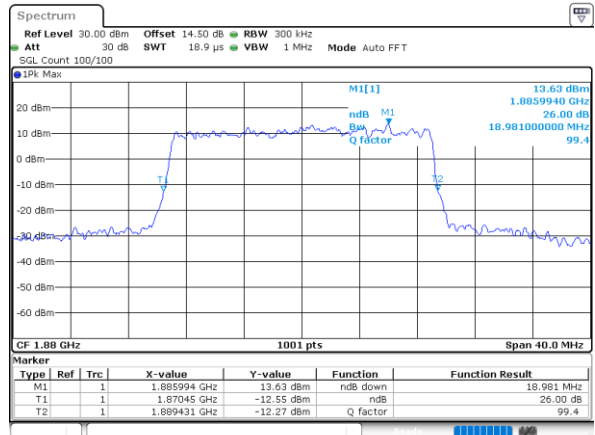
Date: 30.NOV.2022 18:00:34

Middle Channel / 15MHz / 64QAM



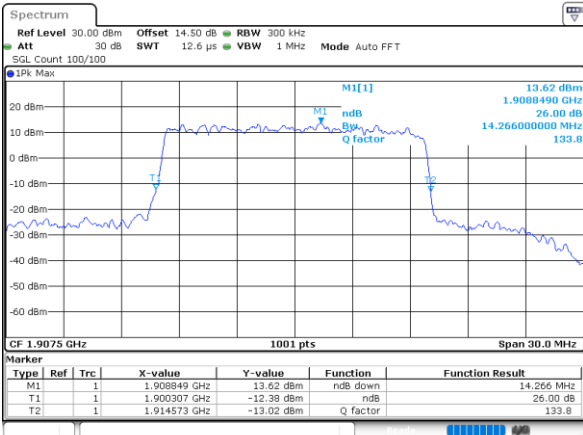
Date: 30.NOV.2022 17:59:13

Middle Channel / 20MHz / 64QAM



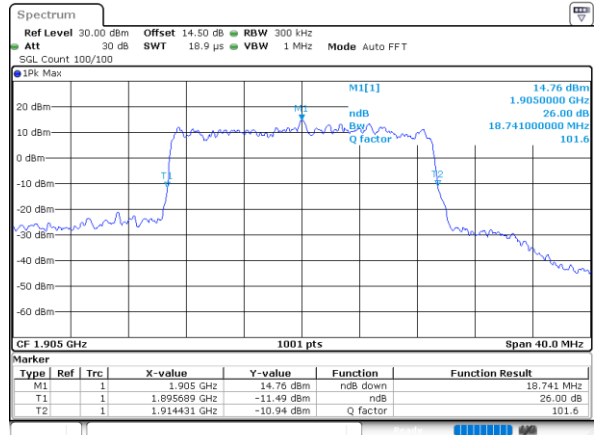
Date: 30.NOV.2022 18:00:14

Highest Channel / 15MHz / 64QAM



Date: 30.NOV.2022 17:59:53

Highest Channel / 20MHz / 64QAM



Date: 30.NOV.2022 18:01:54



Occupied Bandwidth

| Mode | LTE Band 25 : 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 | 1.09 | 1.09 | 2.70 | 2.70 | 4.50 | 4.49 | 9.13 | 9.03 | 13.52 | 13.43 | 17.94 | 17.90 |
| Middle CH | 1.08 | 1.09 | 2.72 | 2.70 | 4.50 | 4.50 | 9.03 | 8.99 | 13.46 | 13.37 | 17.90 | 17.86 |
| Highest CH | 1.10 | 1.09 | 2.72 | 2.72 | 4.52 | 4.52 | 8.99 | 9.01 | 13.34 | 13.46 | 17.86 | 17.86 |
| Mode | LTE Band 25 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.10 | - | 2.72 | - | 4.52 | - | 9.03 | - | 13.46 | - | 17.90 | - |
| Middle CH | 1.09 | - | 2.72 | - | 4.51 | - | 9.01 | - | 13.46 | - | 17.90 | - |
| Highest CH | 1.10 | - | 2.73 | - | 4.50 | - | 9.01 | - | 13.34 | - | 17.82 | - |