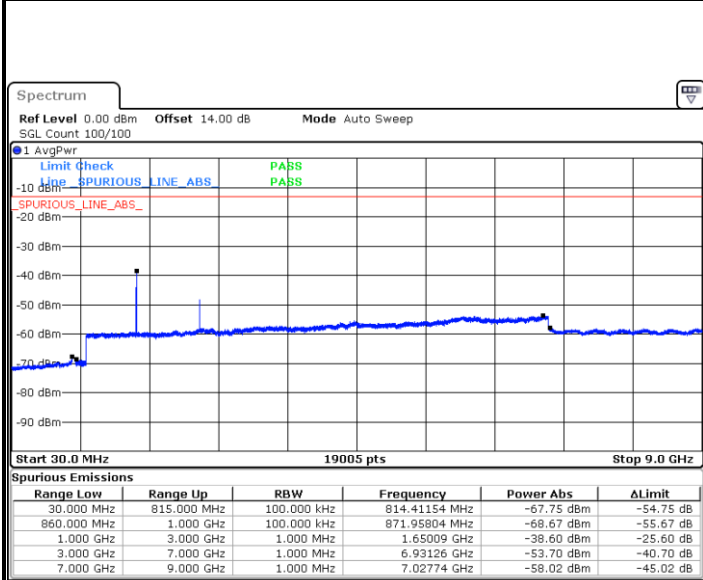




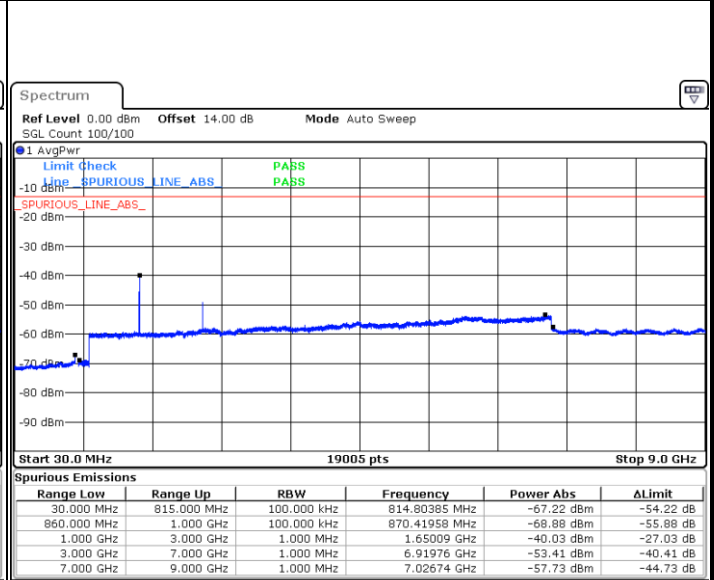
LTE Band 26 / 5MHz

Lowest Channel / QPSK



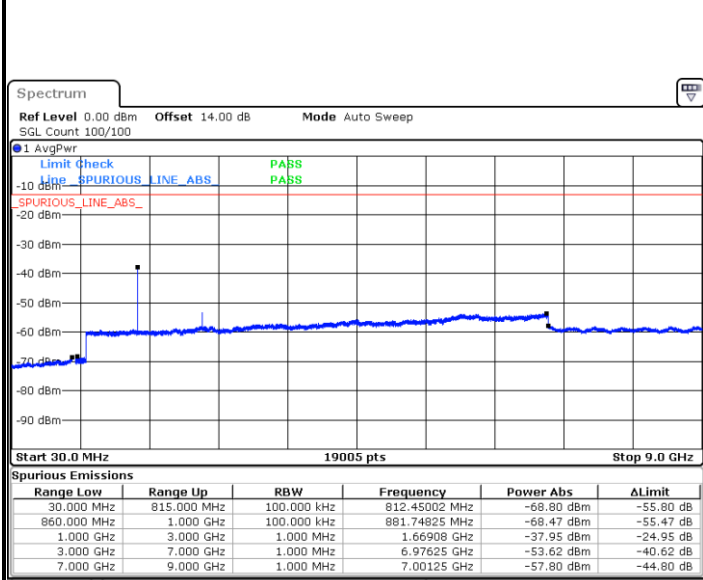
Date: 28 JUN.2021 11:58:49

Lowest Channel / 16QAM



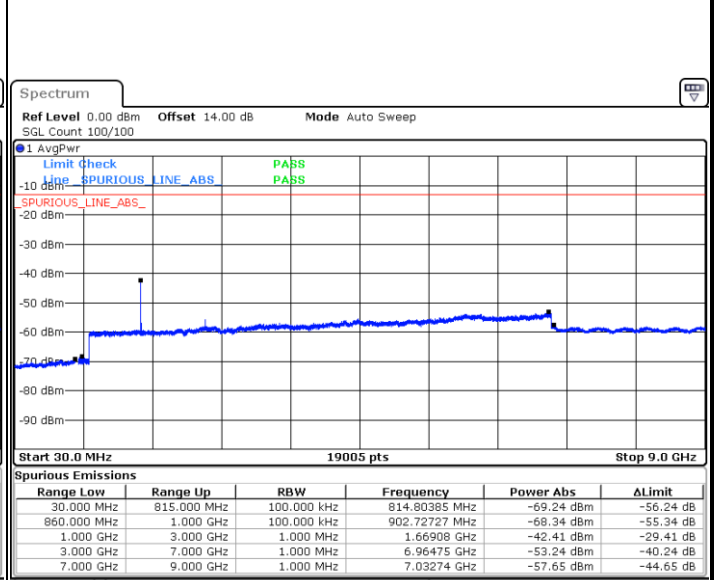
Date: 28 JUN.2021 12:00:12

Middle Channel / QPSK



Date: 28 JUN.2021 12:03:03

Middle Channel / 16QAM

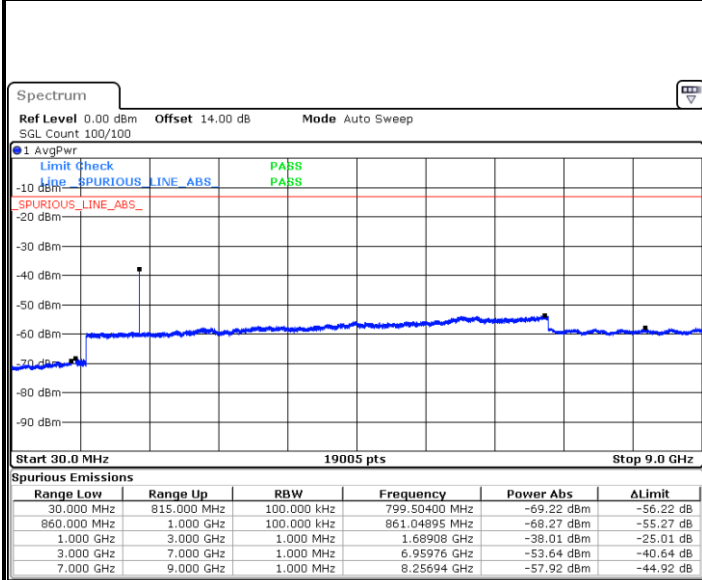


Date: 28 JUN.2021 12:04:26



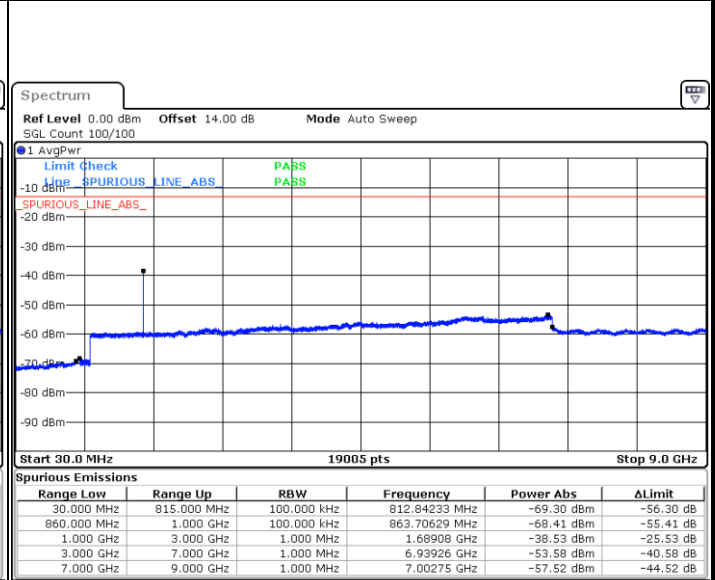
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 28 JUN.2021 12:16:09

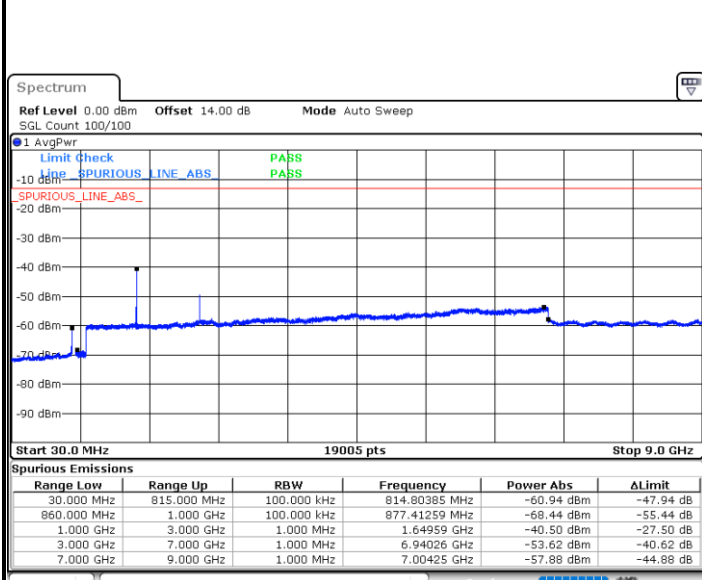
Highest Channel / 16QAM



Date: 28 JUN.2021 12:17:32

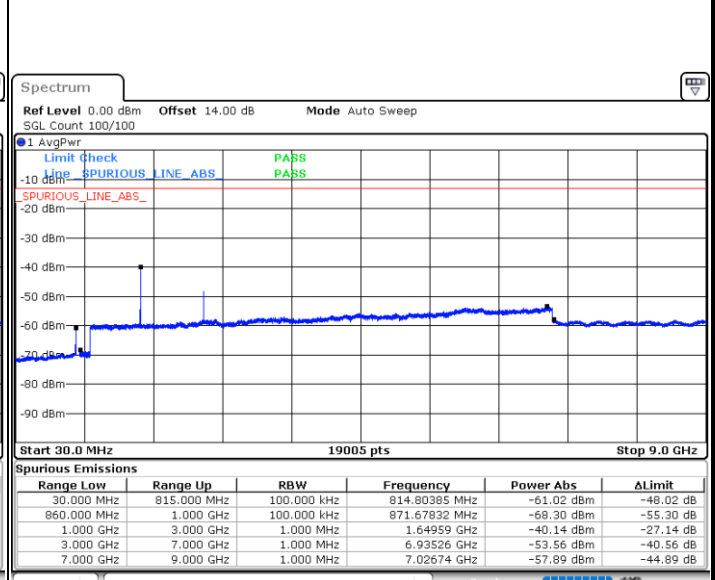
LTE Band 26 / 10MHz

Lowest Channel / QPSK



Date: 28 JUN.2021 12:28:15

Lowest Channel / 16QAM

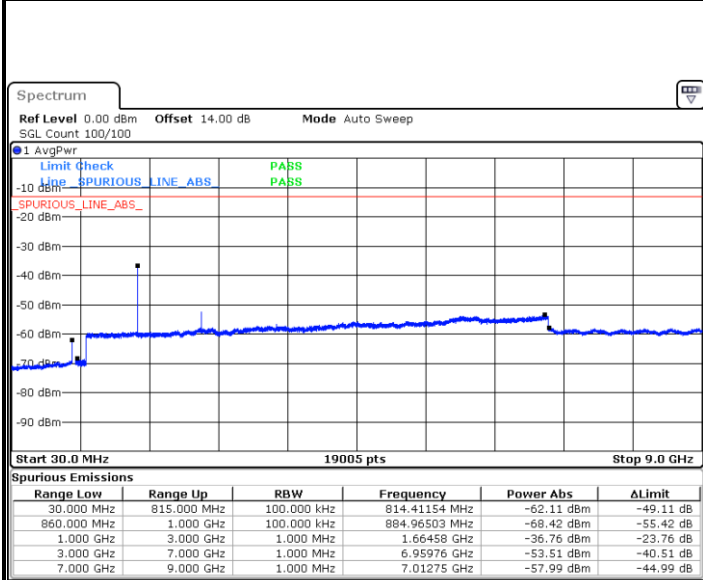


Date: 28 JUN.2021 12:29:37



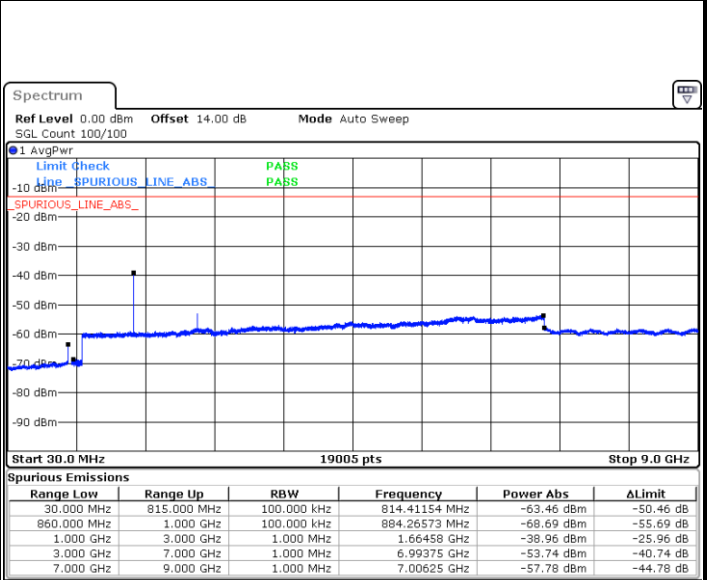
LTE Band 26 / 10MHz

Middle Channel / QPSK



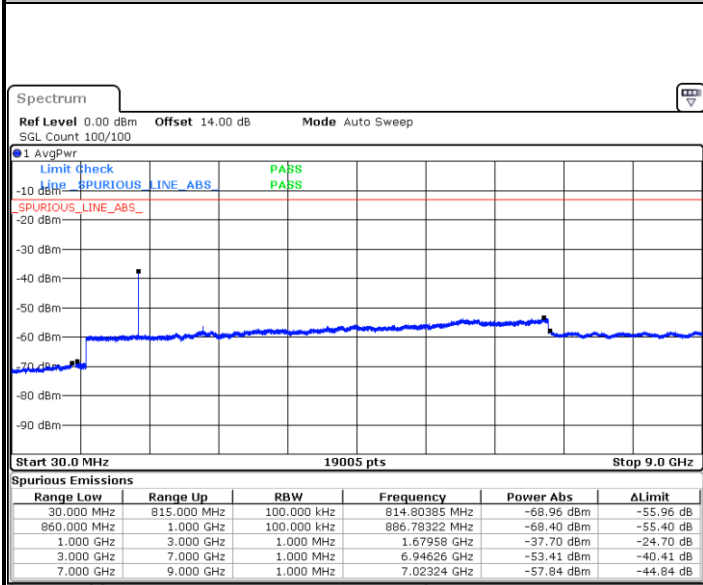
Date: 28 JUN.2021 12:32:29

Middle Channel / 16QAM



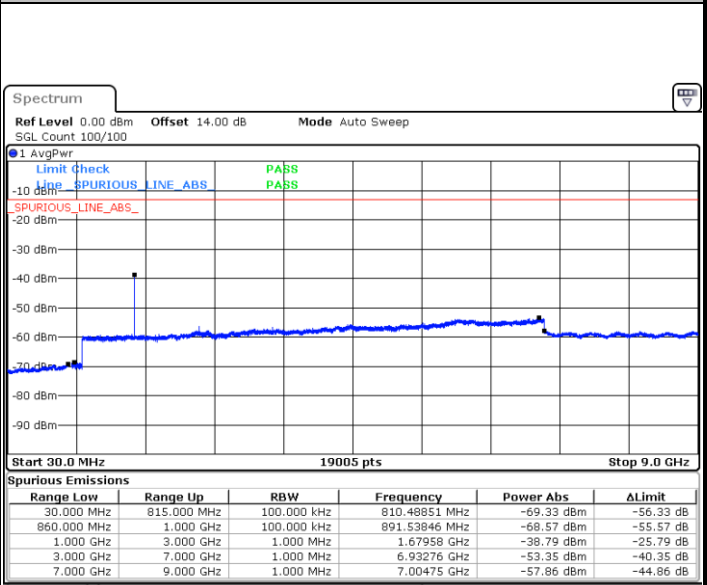
Date: 28 JUN.2021 12:33:52

Highest Channel / QPSK



Date: 28 JUN.2021 12:44:51

Highest Channel / 16QAM



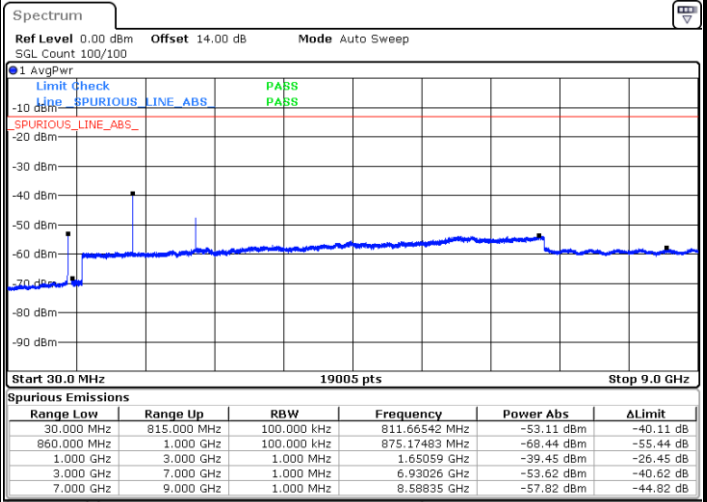
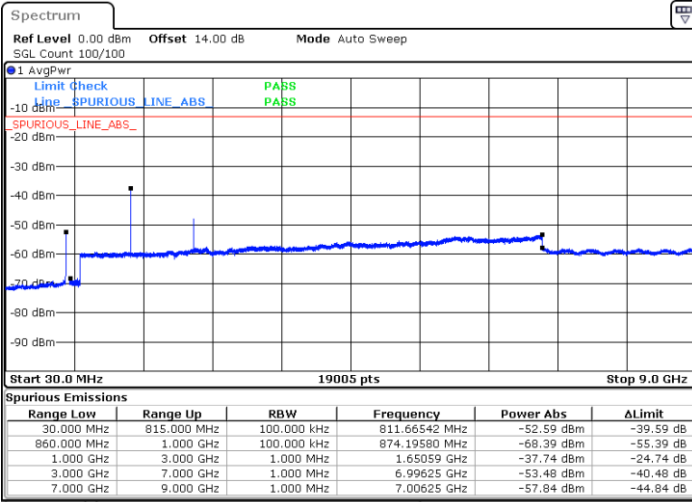
Date: 28 JUN.2021 12:46:13



LTE Band 26 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

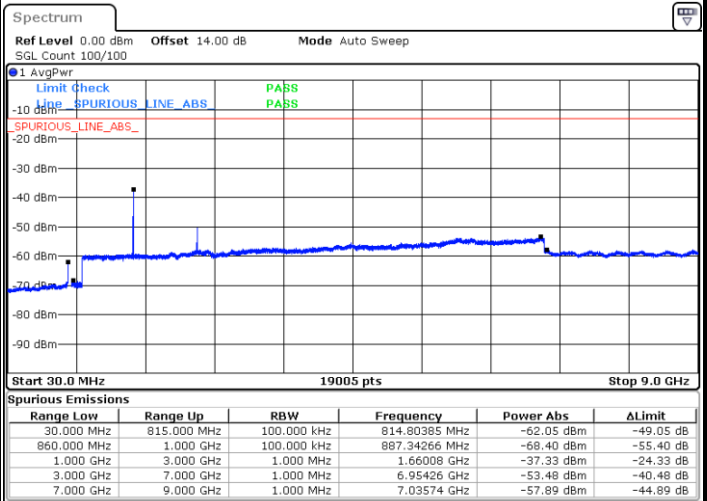
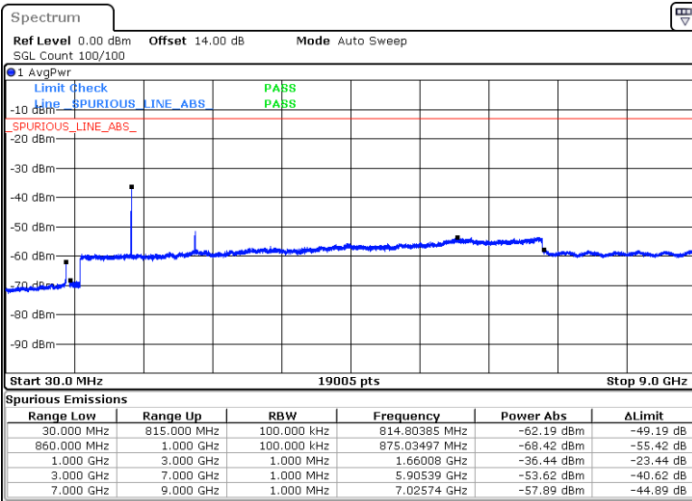


Date: 28 JUN.2021 12:56:59

Date: 28 JUN.2021 12:58:22

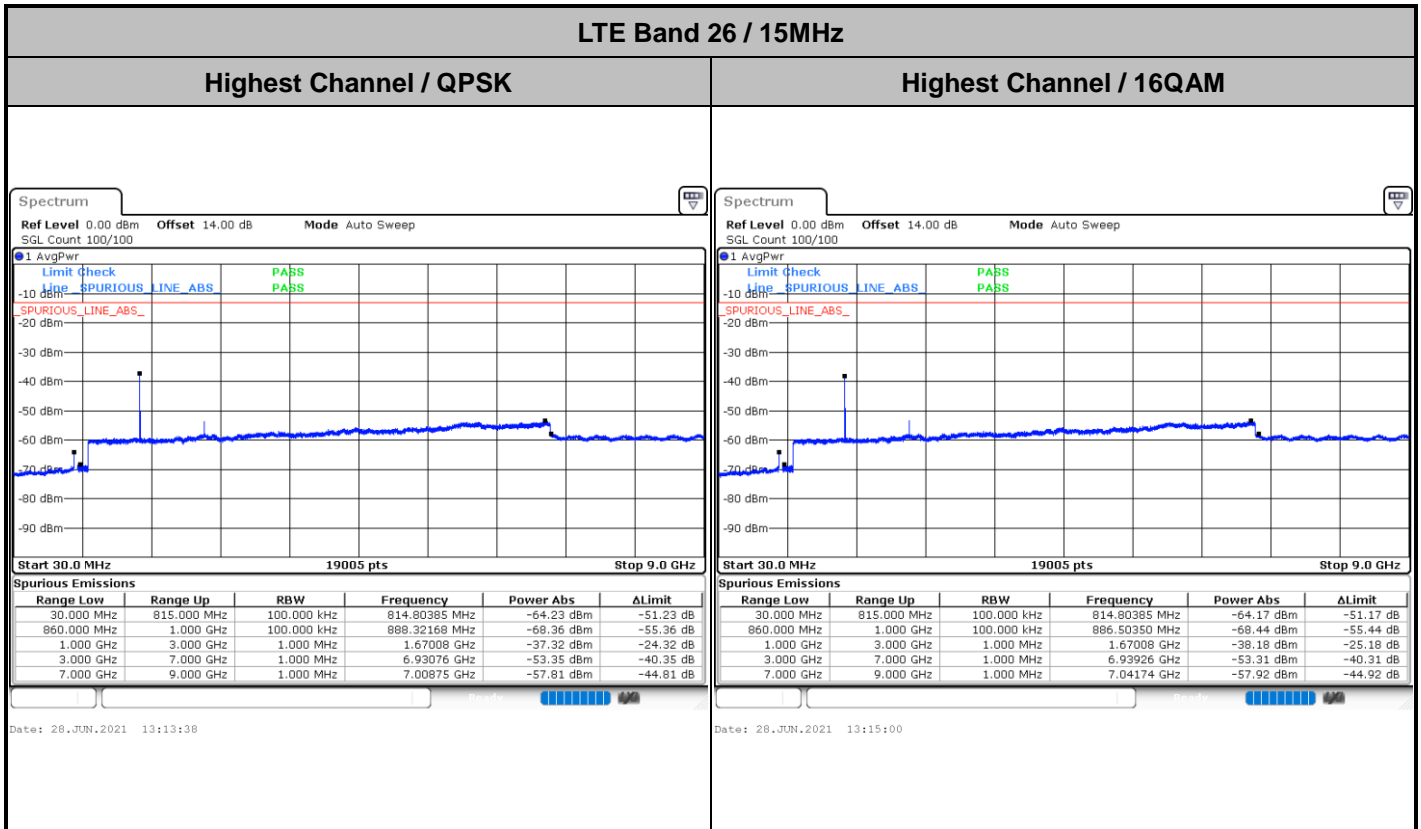
Middle Channel / QPSK

Middle Channel / 16QAM



Date: 28 JUN.2021 13:01:14

Date: 28 JUN.2021 13:02:37

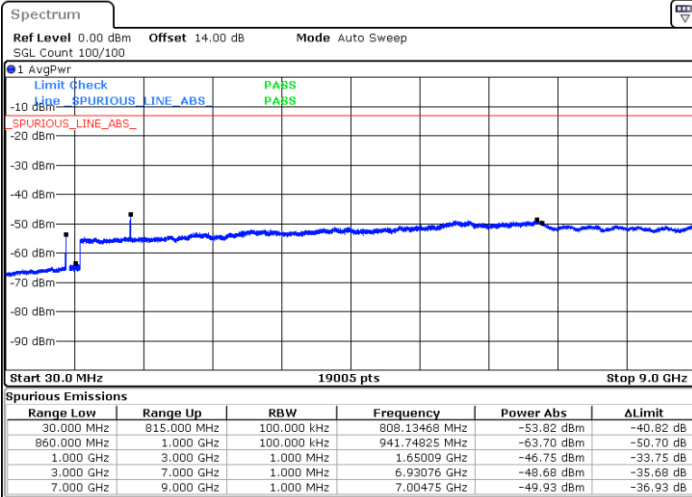




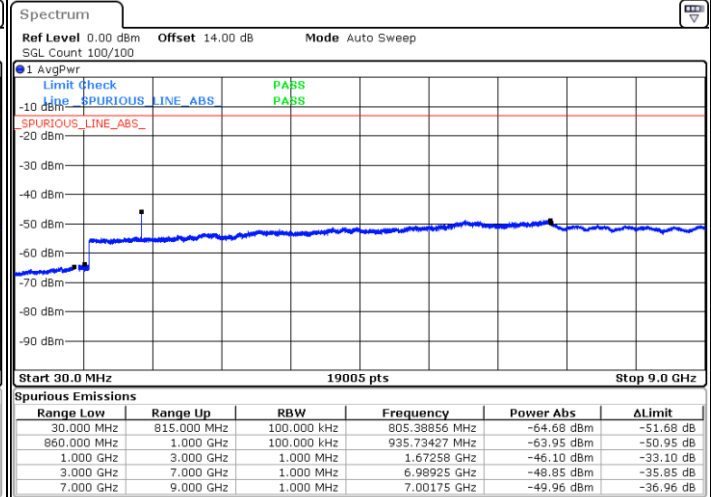
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

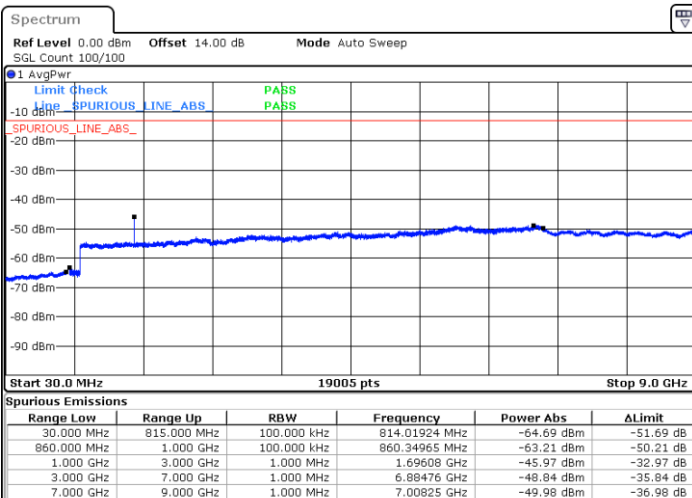


Date: 28.JUN.2021 10:13:40



Date: 28.JUN.2021 10:15:43

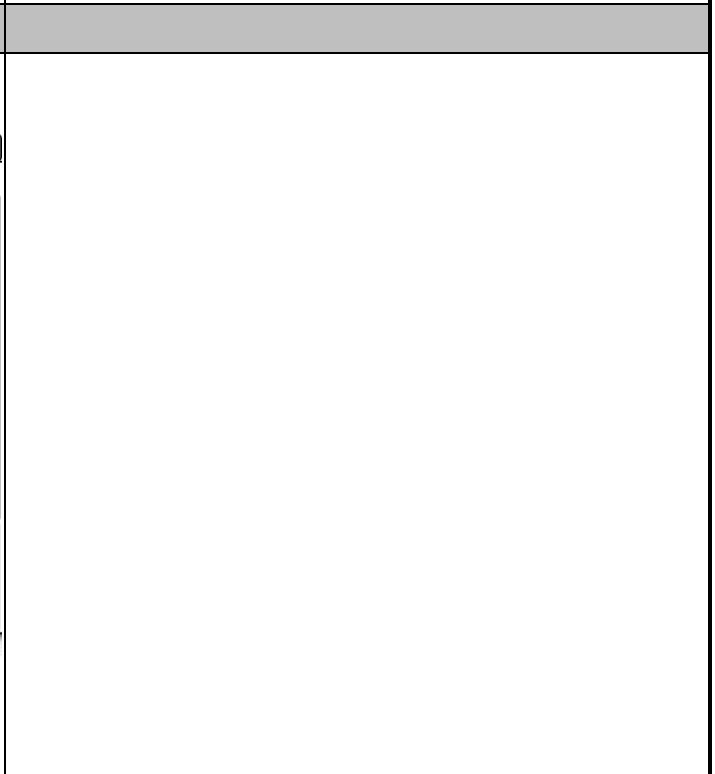
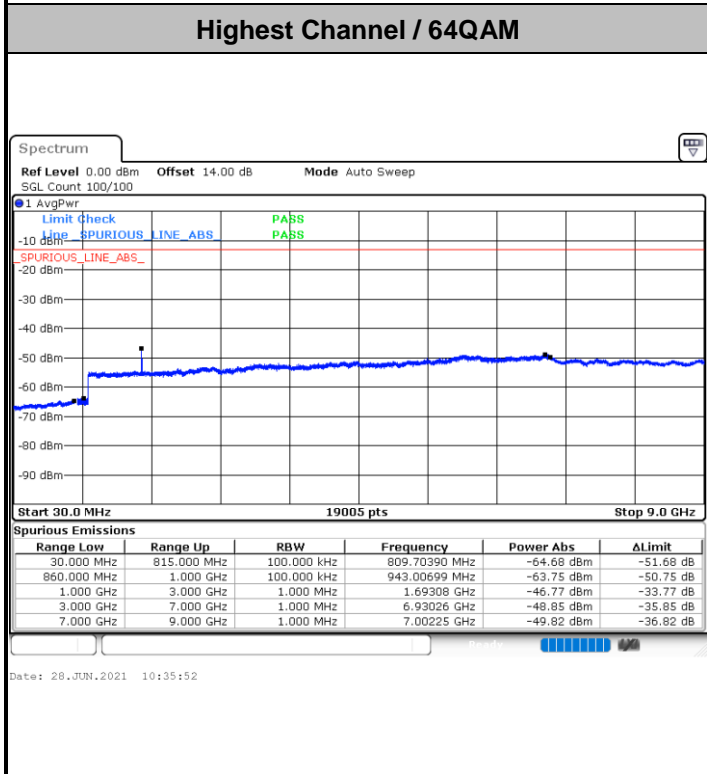
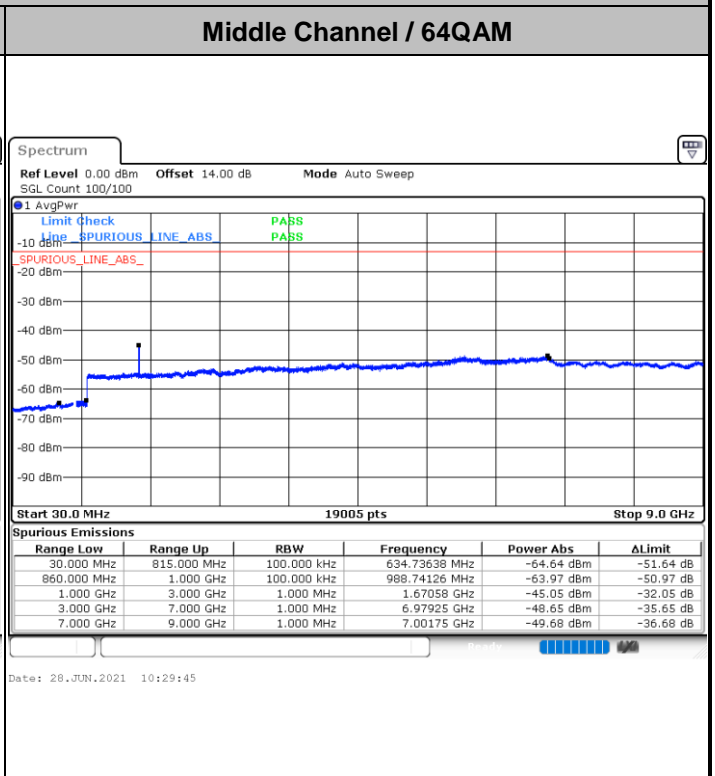
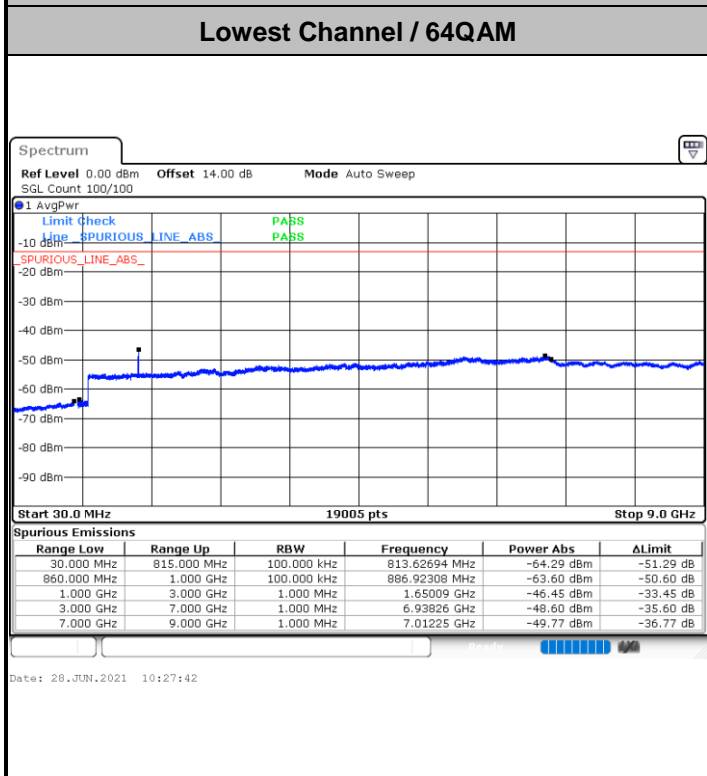
Highest Channel / 64QAM



Date: 28.JUN.2021 10:21:50



**LTE Band 26 / 3MHz**

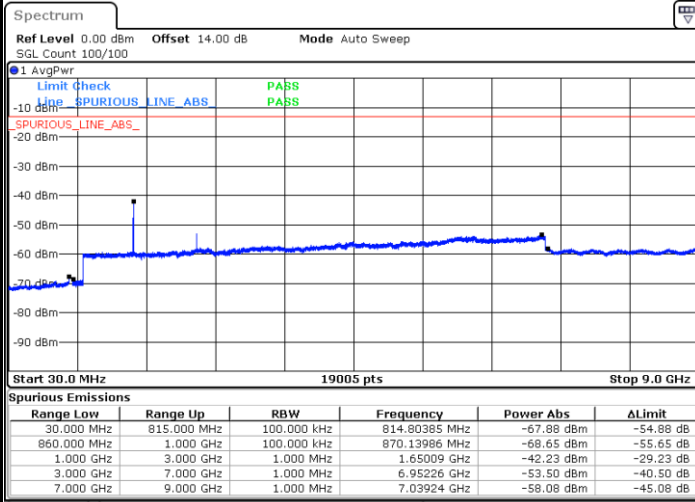




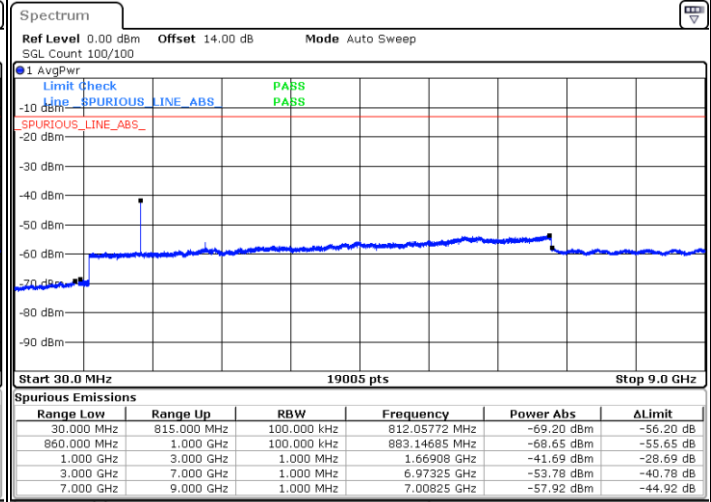
LTE Band 26 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

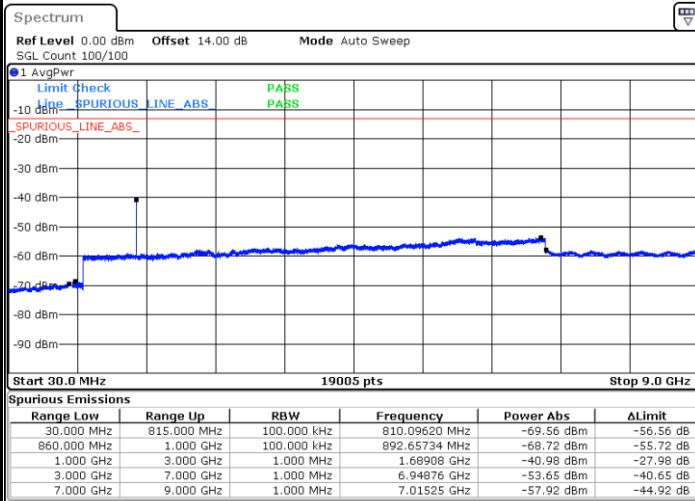


Date: 28 JUN.2021 10:41:45



Date: 28 JUN.2021 10:43:49

Highest Channel / 64QAM



Date: 28 JUN.2021 10:49:56

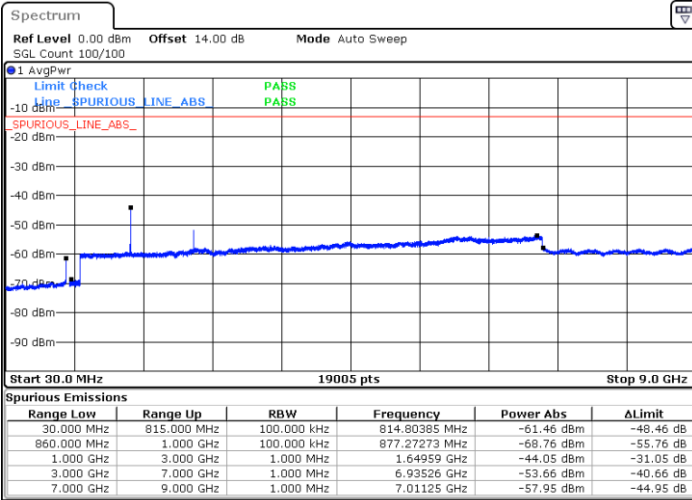




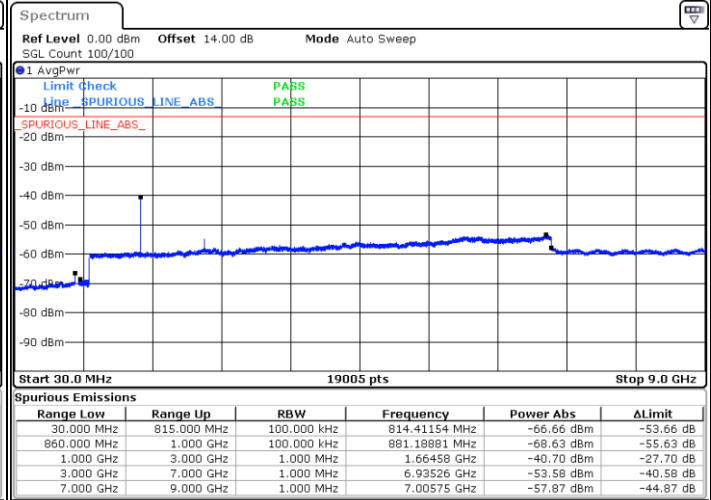
LTE Band 26 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

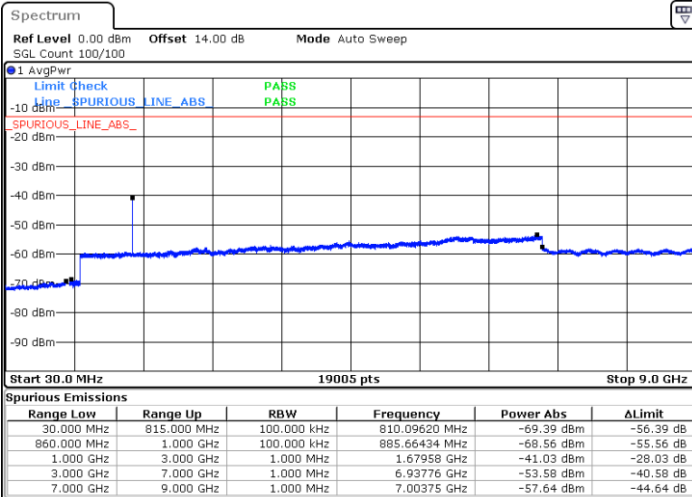


Date: 28.JUN.2021 10:55:48



Date: 28.JUN.2021 10:57:50

Highest Channel / 64QAM



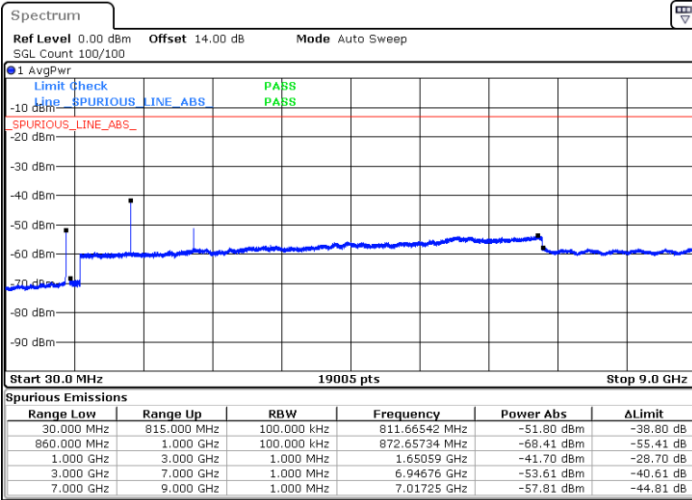
Date: 28.JUN.2021 11:03:57



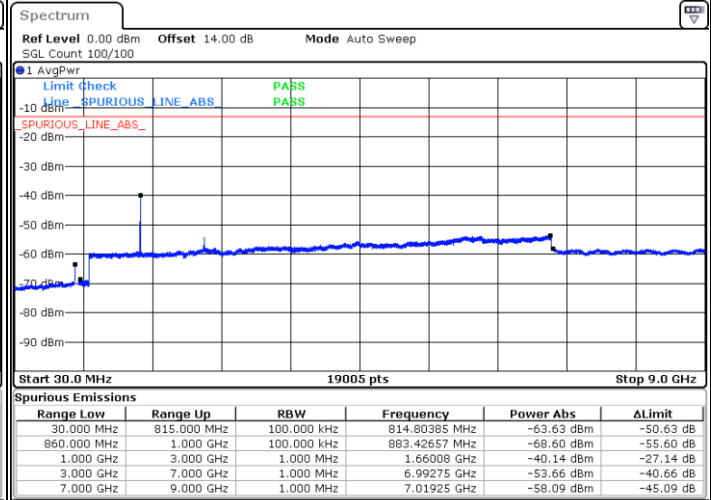
LTE Band 26 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

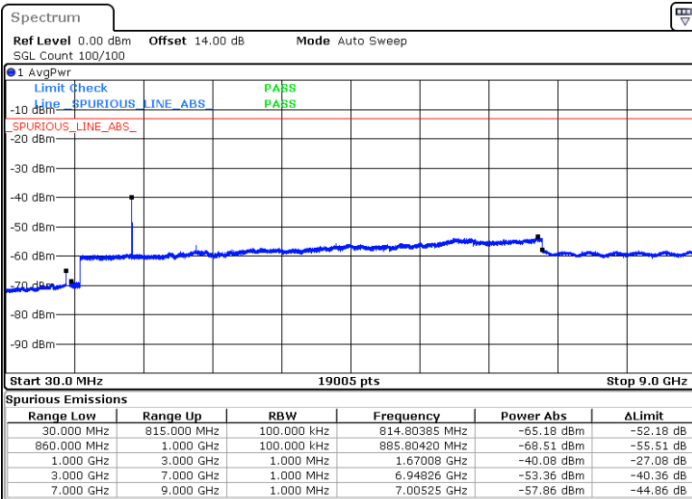


Date: 28 JUN.2021 11:10:25



Date: 28 JUN.2021 11:12:28

Highest Channel / 64QAM



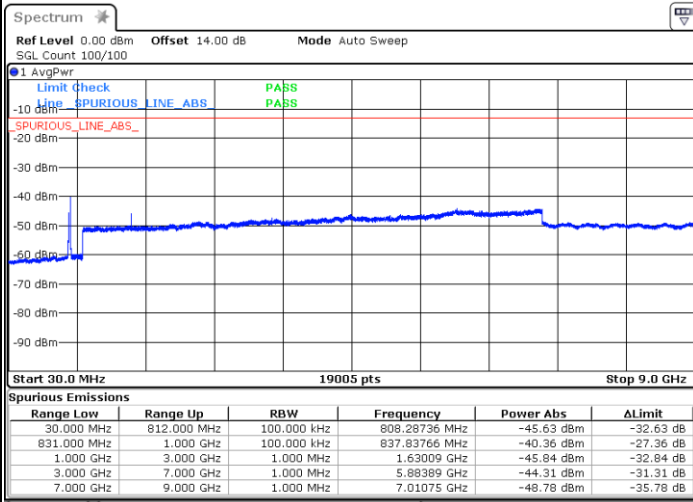
Date: 28 JUN.2021 11:18:37



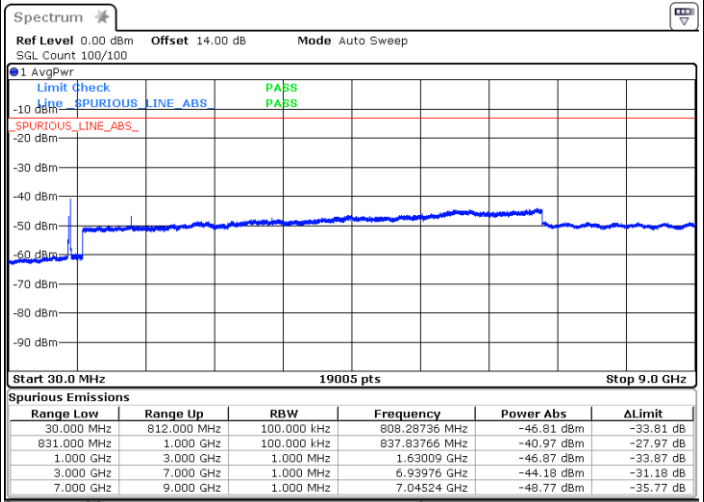
LTE Band 26 / 15MHz

CH26765 / QPSK

CH26765 / 16QAM

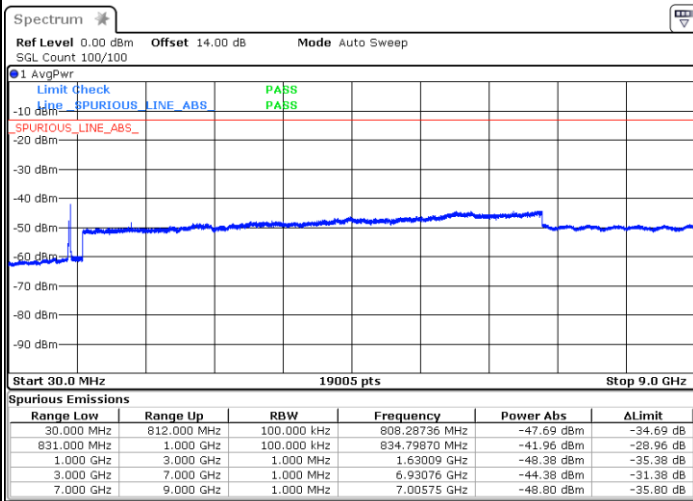


Date: 16.JUL.2021 10:52:22



Date: 16.JUL.2021 10:53:31

CH26765 / 64QAM



Date: 16.JUL.2021 10:54:46



Frequency Stability

| Test Conditions  |                   | LTE Band 26 (QPSK) / Middle Channel | Limit  |
|------------------|-------------------|-------------------------------------|--------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | 2.5ppm |
|                  |                   | Deviation (ppm)                     | Result |
| 50               | Normal Voltage    | 0.0016                              | PASS   |
| 40               | Normal Voltage    | 0.0050                              |        |
| 30               | Normal Voltage    | 0.0001                              |        |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |        |
| 10               | Normal Voltage    | 0.0043                              |        |
| 0                | Normal Voltage    | 0.0017                              |        |
| -10              | Normal Voltage    | 0.0023                              |        |
| -20              | Normal Voltage    | 0.0013                              |        |
| -30              | Normal Voltage    | 0.0025                              |        |
| 20               | Maximum Voltage   | 0.0030                              |        |
| 20               | Normal Voltage    | 0.0000                              |        |
| 20               | Battery End Point | 0.0036                              |        |

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.



# LTE Band 66

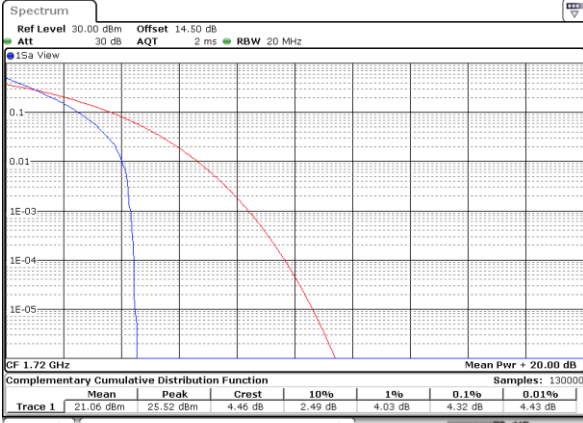
## Peak-to-Average Ratio

| Mode       | LTE Band 66 / 20MHz |         |       |         |             |
|------------|---------------------|---------|-------|---------|-------------|
| Mod.       | QPSK                |         | 16QAM |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB | 1RB   | Full RB | Result      |
| Lowest CH  | 4.32                | 5.19    | 5.13  | 6.09    | PASS        |
| Middle CH  | 4.38                | 4.99    | 5.94  | 5.91    |             |
| Highest CH | 4.32                | 4.87    | 5.48  | 5.88    |             |
| Mode       | LTE Band 66 / 20MHz |         |       |         |             |
| Mod.       | 64QAM               |         |       |         | Limit: 13dB |
| RB Size    | 1RB                 | Full RB |       |         | Result      |
| Lowest CH  | 6.12                | 4.72    | -     | -       | PASS        |
| Middle CH  | 6.17                | 6.20    | -     | -       |             |
| Highest CH | 5.54                | 6.26    | -     | -       |             |



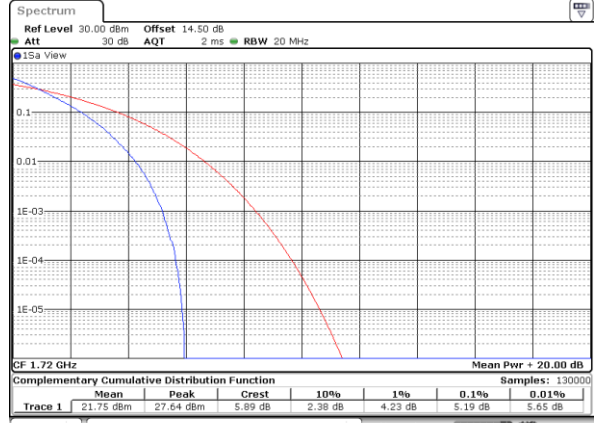
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



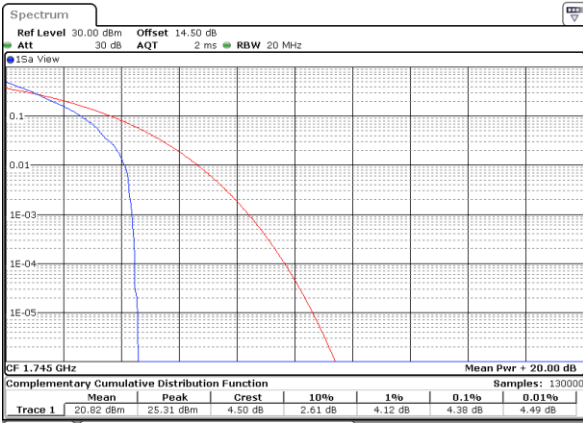
Date: 30 JUN 2021 22:45:53

Lowest Channel / Full RB



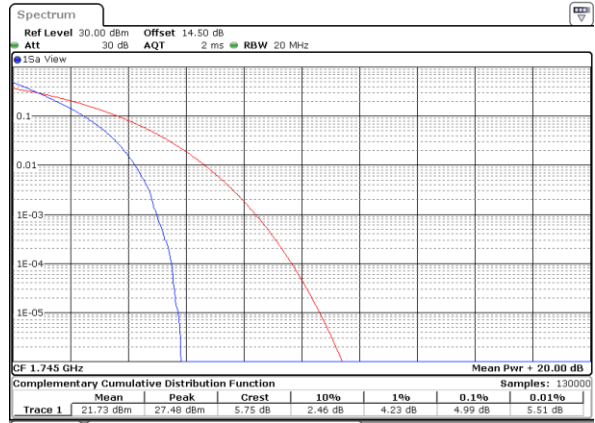
Date: 30 JUN 2021 22:46:120

Middle Channel / 1RB



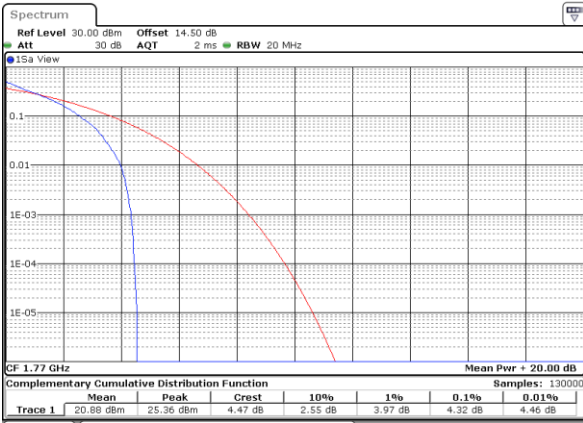
Date: 30 JUN 2021 22:46:47

Middle Channel / Full RB



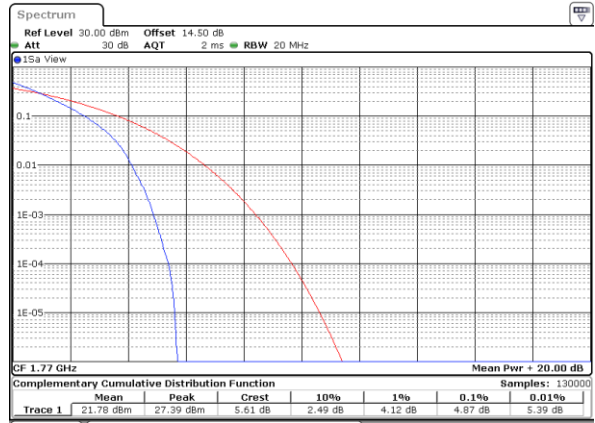
Date: 30 JUN 2021 22:47:115

Highest Channel / 1RB



Date: 30 JUN 2021 22:47:43

Highest Channel / Full RB

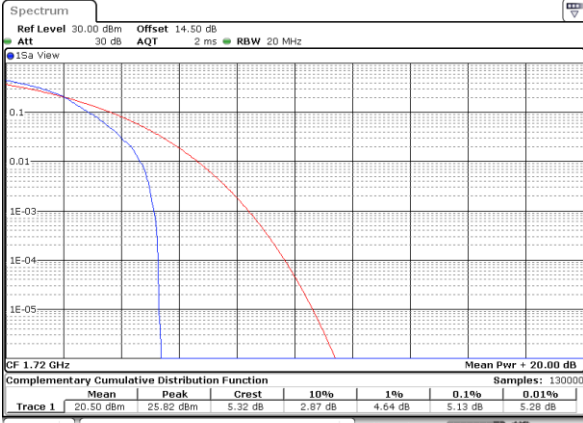


Date: 30 JUN 2021 22:48:110



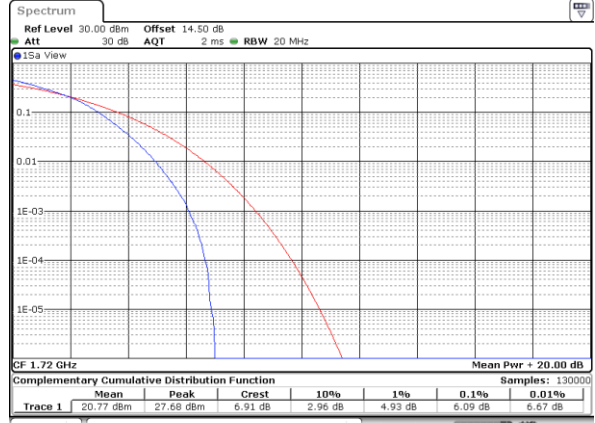
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



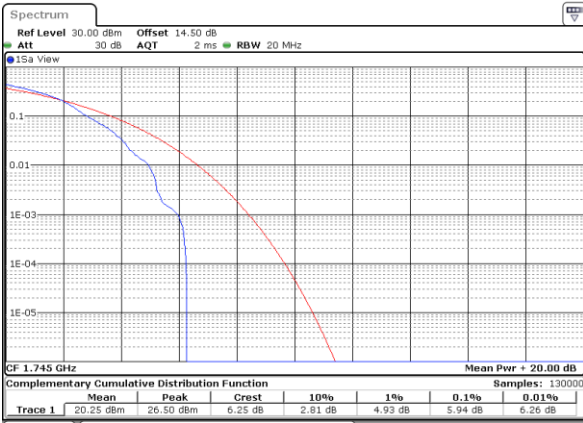
Date: 30\_JUN,2021 22:43:08

Lowest Channel / Full RB



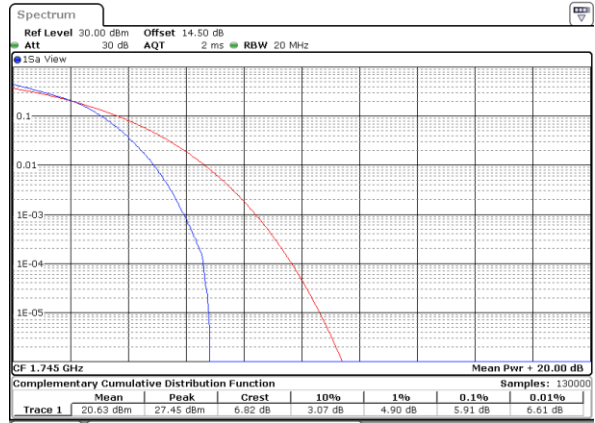
Date: 30\_JUN,2021 22:43:35

Middle Channel / 1RB



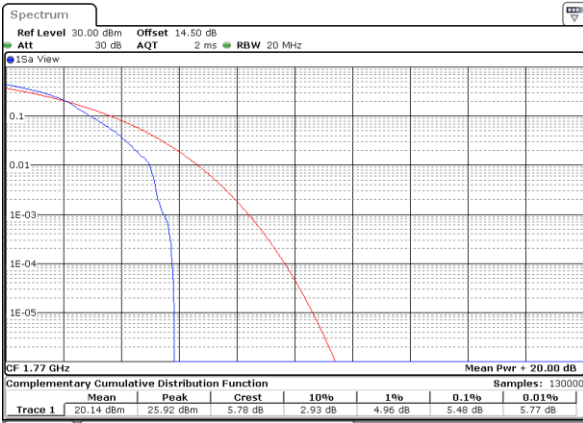
Date: 30\_JUN,2021 22:44:03

Middle Channel / Full RB



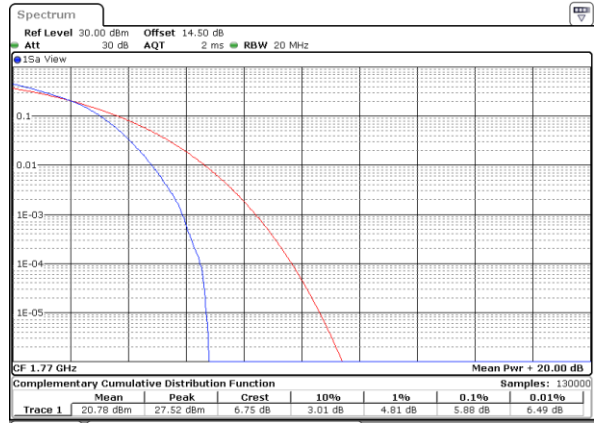
Date: 30\_JUN,2021 22:44:30

Highest Channel / 1RB



Date: 30\_JUN,2021 22:44:58

Highest Channel / Full RB

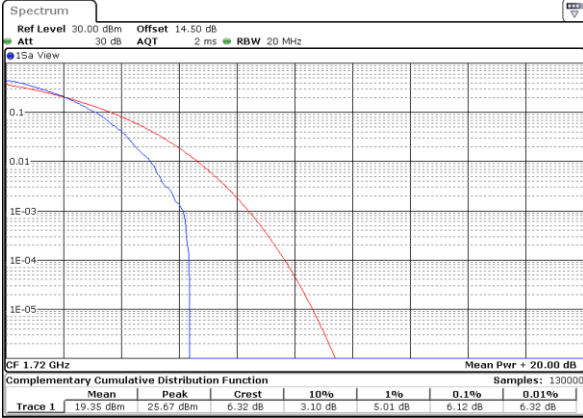


Date: 30\_JUN,2021 22:45:25



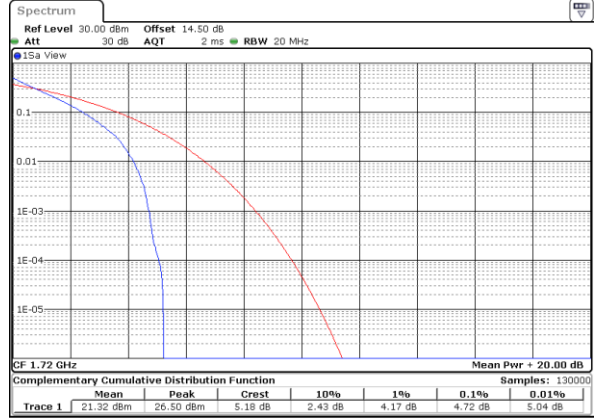
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



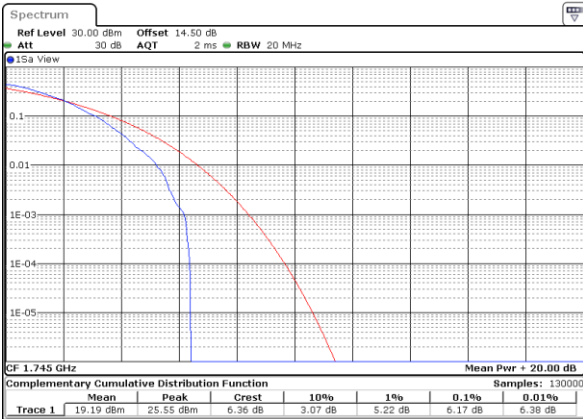
Date: 30\_JUN,2021 22:48:38

Lowest Channel / Full RB



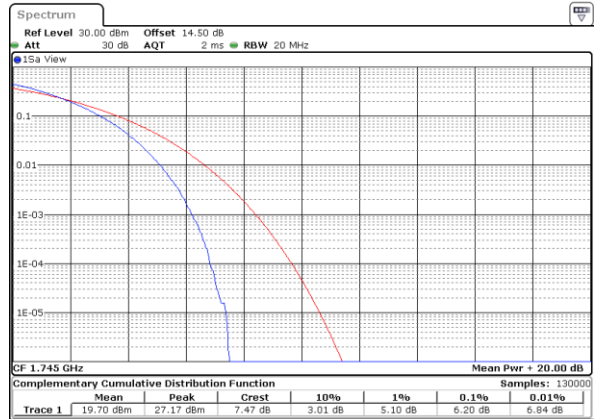
Date: 30\_JUN,2021 22:49:05

Middle Channel / 1RB



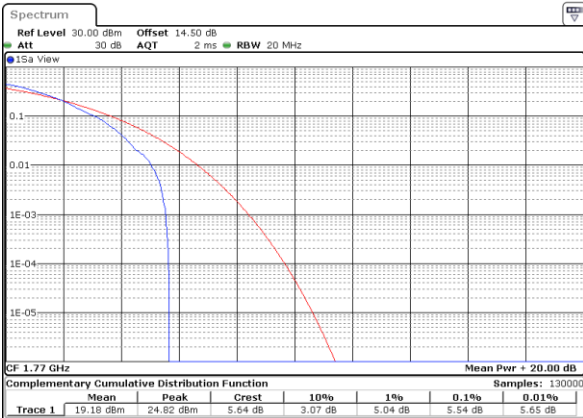
Date: 30\_JUN,2021 22:49:32

Middle Channel / Full RB



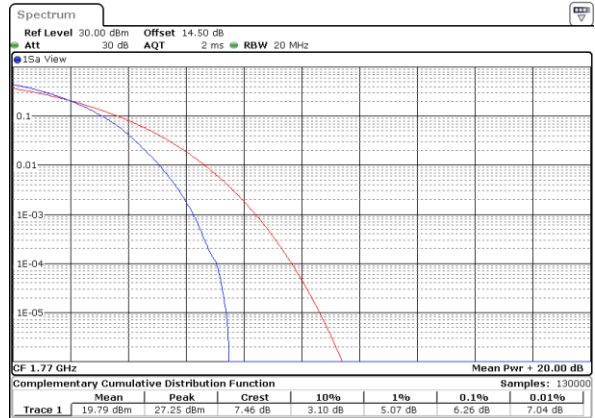
Date: 30\_JUN,2021 22:49:59

Highest Channel / 1RB



Date: 30\_JUN,2021 22:50:27

Highest Channel / Full RB



Date: 30\_JUN,2021 22:50:54





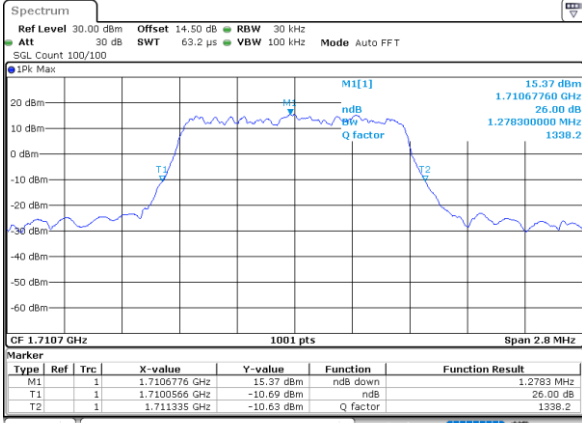
26dB Bandwidth

| Mode       | LTE Band 66 : 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  | 1.28                       | 1.30  | 2.97  | 2.92  | 5.12  | 4.95  | 9.95  | 9.81  | 14.27 | 14.51 | 18.82 | 18.78 |
| Middle CH  | 1.24                       | 1.29  | 2.97  | 2.96  | 5.17  | 5.01  | 9.63  | 9.75  | 15.02 | 14.72 | 19.10 | 19.10 |
| Highest CH | 1.26                       | 1.27  | 2.95  | 2.95  | 4.92  | 4.96  | 10.07 | 9.99  | 14.63 | 14.78 | 19.02 | 18.82 |
| Mode       | LTE Band 66 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 1.26                       | -     | 2.99  | -     | 4.96  | -     | 10.11 | -     | 14.51 | -     | 19.06 | -     |
| Middle CH  | 1.25                       | -     | 2.91  | -     | 5.14  | -     | 9.97  | -     | 14.78 | -     | 18.90 | -     |
| Highest CH | 1.27                       | -     | 2.96  | -     | 4.98  | -     | 10.01 | -     | 14.18 | -     | 18.90 | -     |



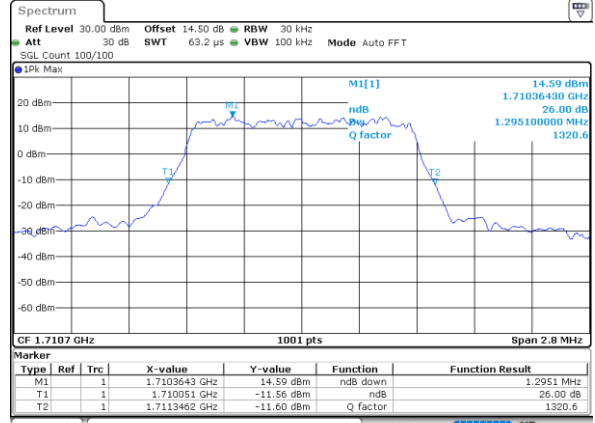
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



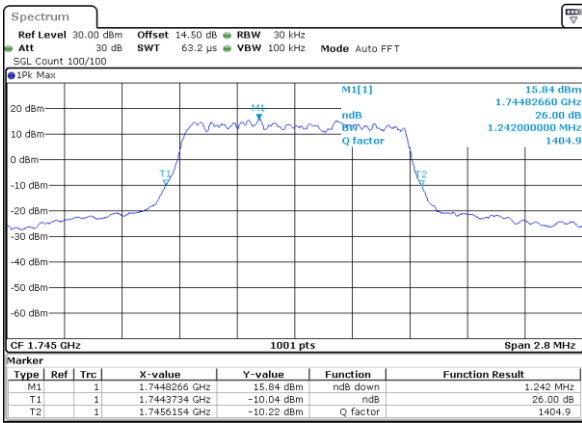
Date: 25 JUN 2021 18:00:03

Lowest Channel / 1.4MHz / 16QAM



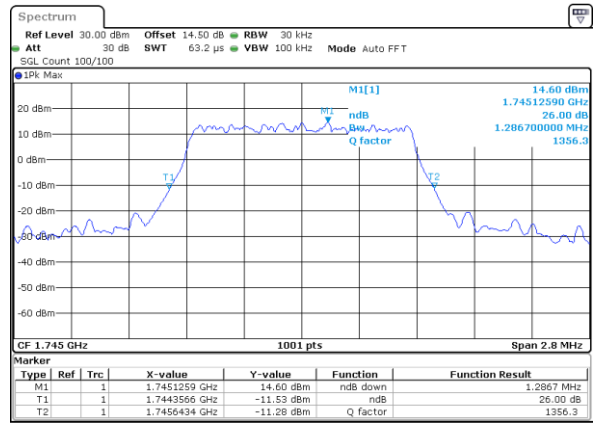
Date: 25 JUN 2021 18:00:27

Middle Channel / 1.4MHz / QPSK



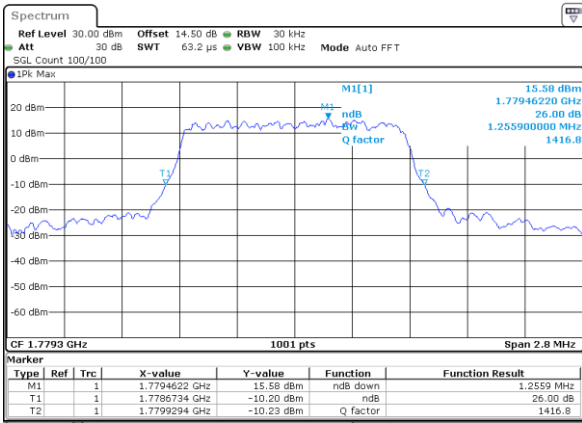
Date: 1 JUL 2021 08:48:23

Middle Channel / 1.4MHz / 16QAM



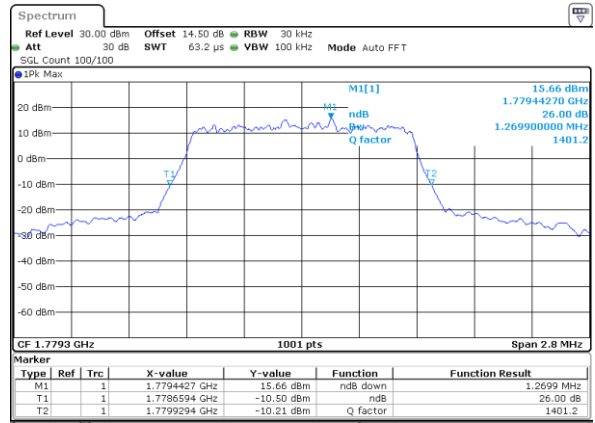
Date: 1 JUL 2021 08:47:32

Highest Channel / 1.4MHz / QPSK



Date: 25 JUN 2021 18:16:59

Highest Channel / 1.4MHz / 16QAM

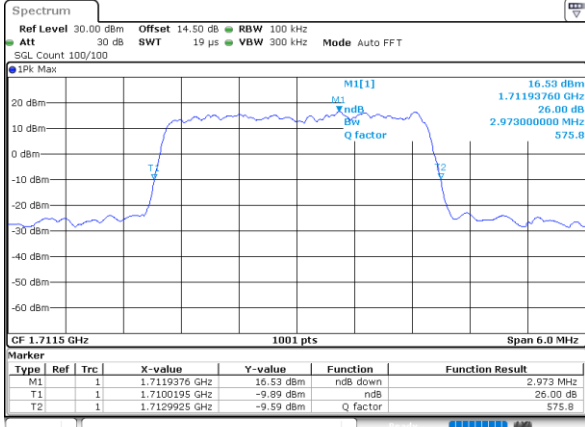


Date: 25 JUN 2021 18:17:22



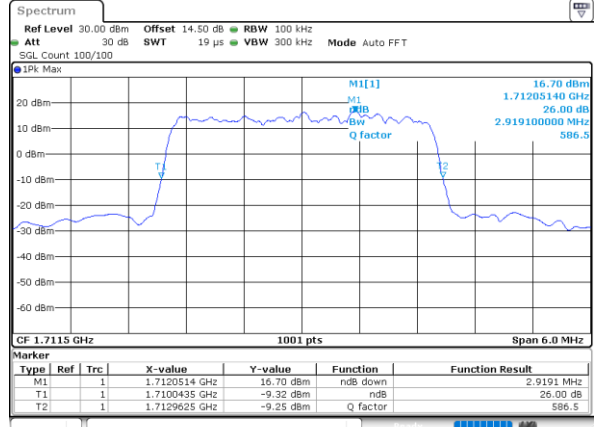
LTE Band 66

Lowest Channel / 3MHz / QPSK



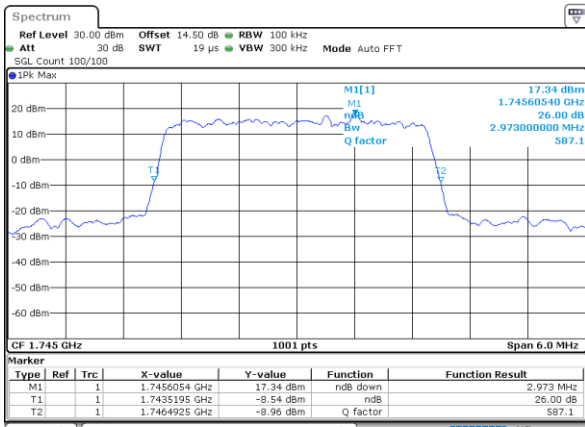
Date: 25 JUN 2021 18:43:51

Lowest Channel / 3MHz / 16QAM



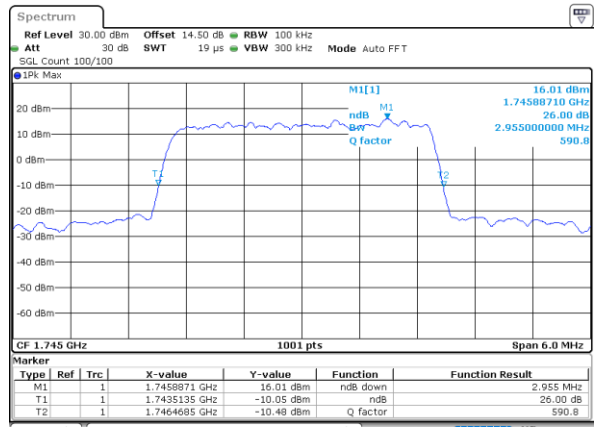
Date: 25 JUN 2021 18:44:14

Middle Channel / 3MHz / QPSK



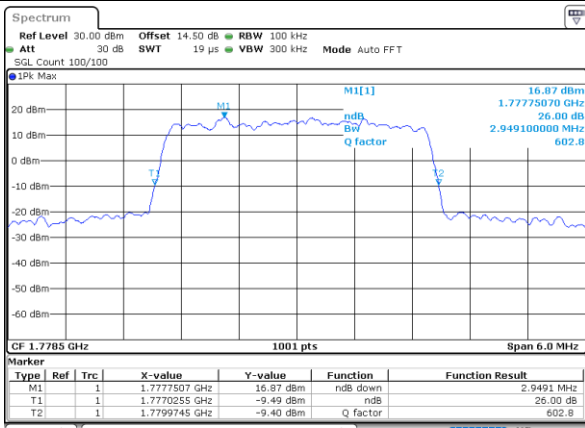
Date: 25 JUN 2021 18:56:24

Middle Channel / 3MHz / 16QAM



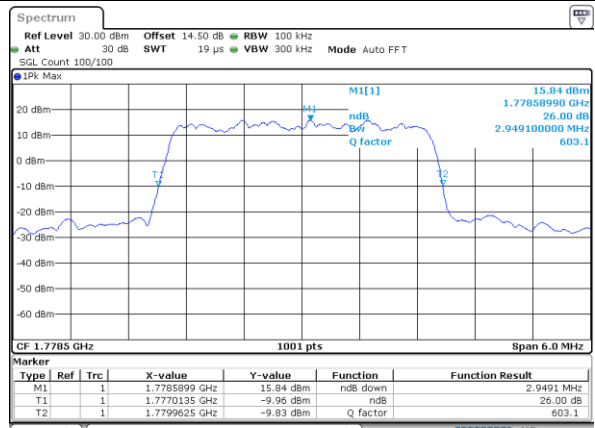
Date: 25 JUN 2021 18:56:47

Highest Channel / 3MHz / QPSK



Date: 25 JUN 2021 19:00:46

Highest Channel / 3MHz / 16QAM

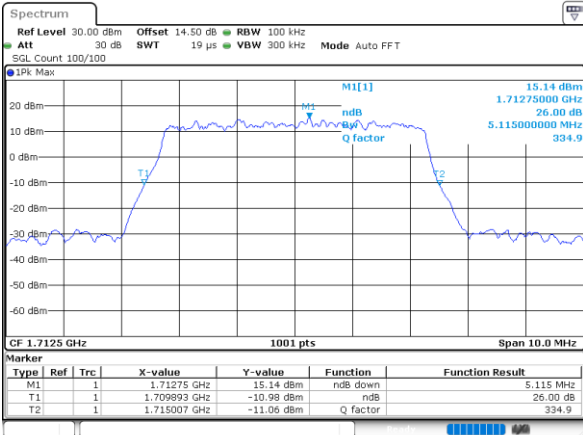


Date: 25 JUN 2021 19:01:10



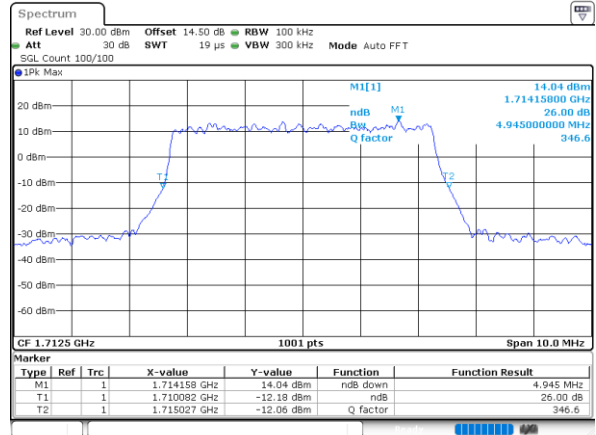
LTE Band 66

Lowest Channel / 5MHz / QPSK



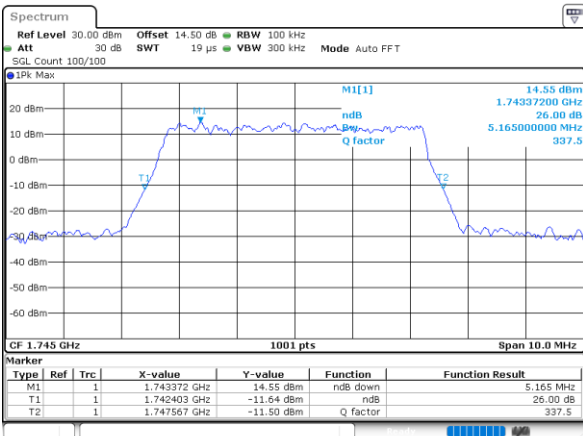
Date: 25 JUN 2021 19:41:56

Lowest Channel / 5MHz / 16QAM



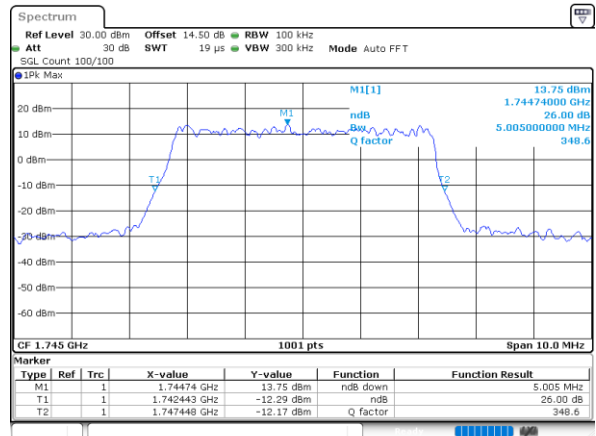
Date: 25 JUN 2021 19:42:10

Middle Channel / 5MHz / QPSK



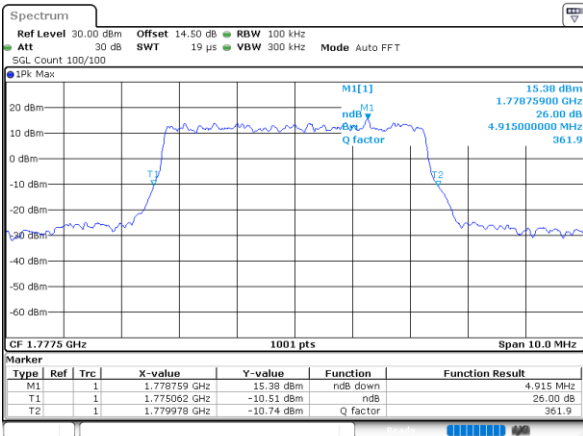
Date: 25 JUN 2021 19:54:29

Middle Channel / 5MHz / 16QAM



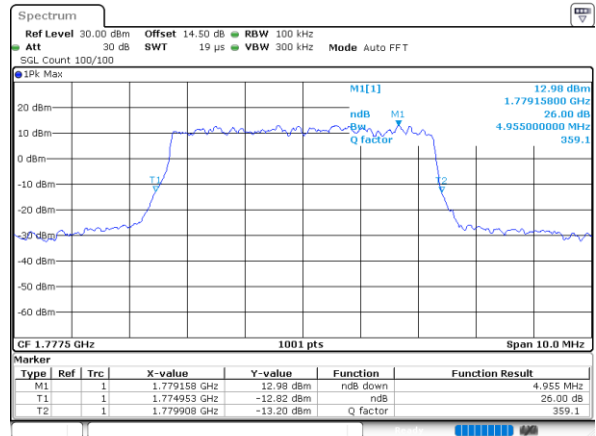
Date: 1 JUL 2021 08:56:19

Highest Channel / 5MHz / QPSK



Date: 25 JUN 2021 19:58:51

Highest Channel / 5MHz / 16QAM

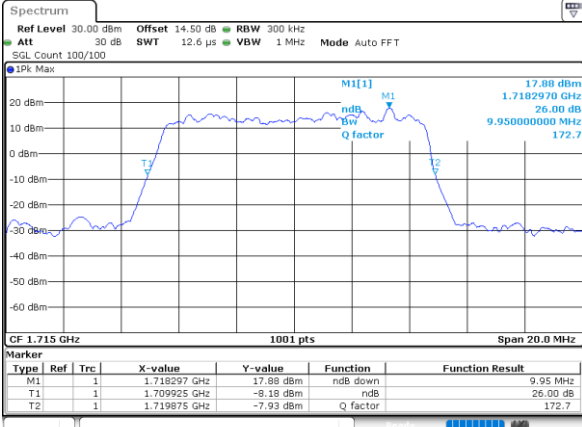


Date: 25 JUN 2021 19:59:15



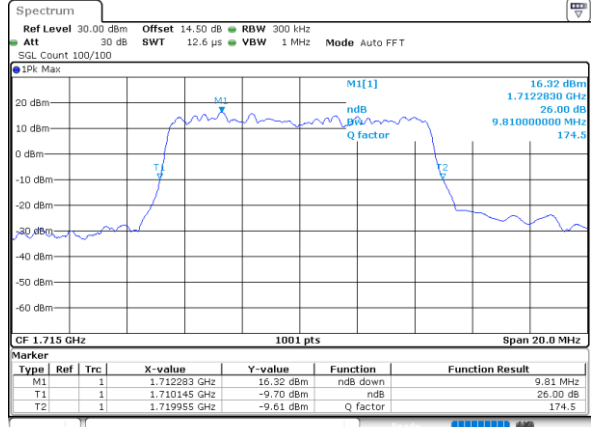
LTE Band 66

Lowest Channel / 10MHz / QPSK



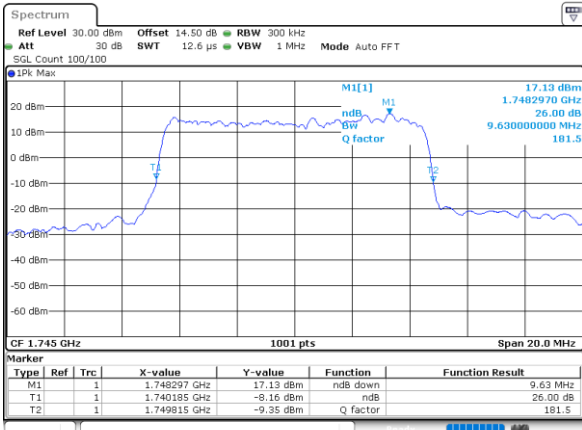
Date: 25 JUN 2021 20:11:24

Lowest Channel / 10MHz / 16QAM



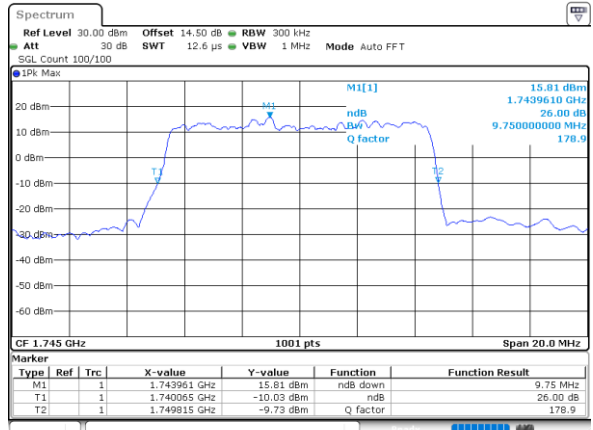
Date: 25 JUN 2021 20:11:48

Middle Channel / 10MHz / QPSK



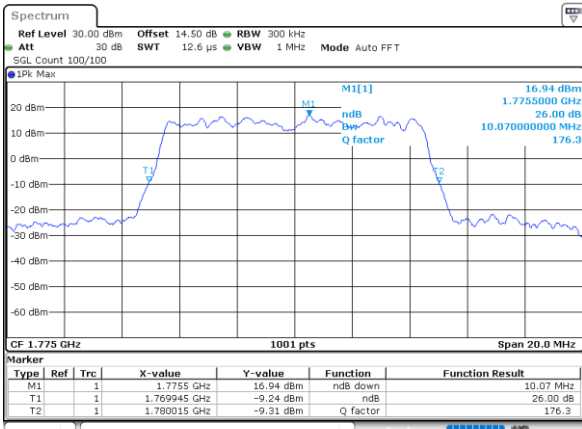
Date: 25 JUN 2021 20:23:57

Middle Channel / 10MHz / 16QAM



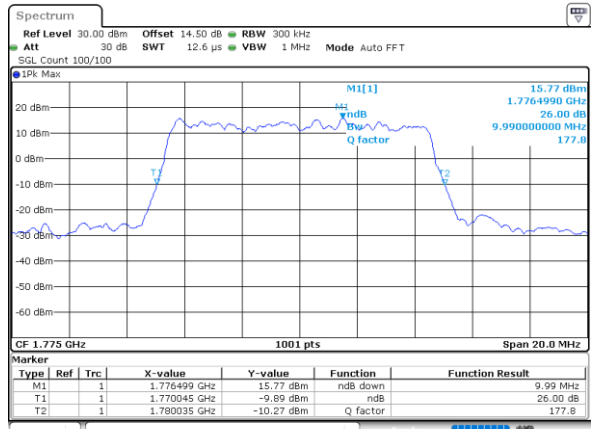
Date: 25 JUN 2021 20:24:20

Highest Channel / 10MHz / QPSK



Date: 25 JUN 2021 20:28:20

Highest Channel / 10MHz / 16QAM

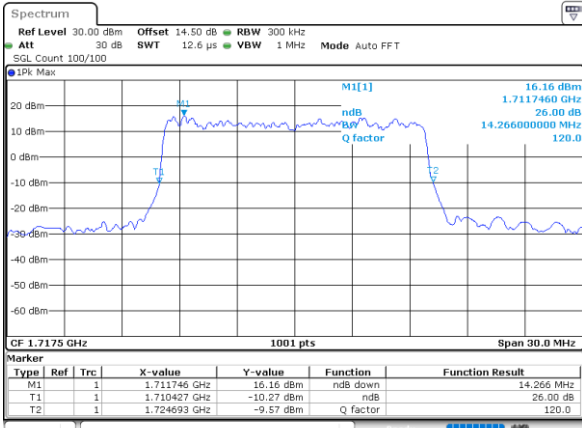


Date: 25 JUN 2021 20:28:43



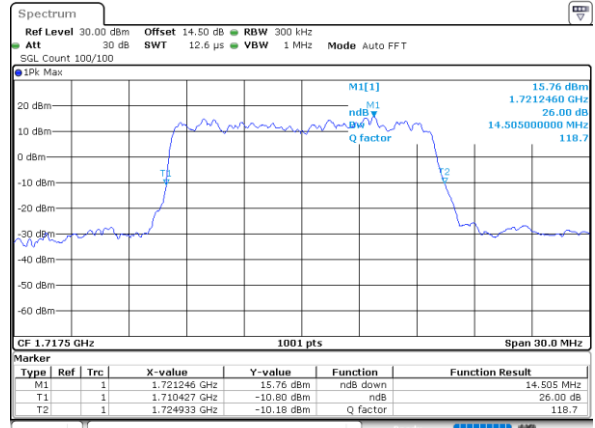
LTE Band 66

Lowest Channel / 15MHz / QPSK



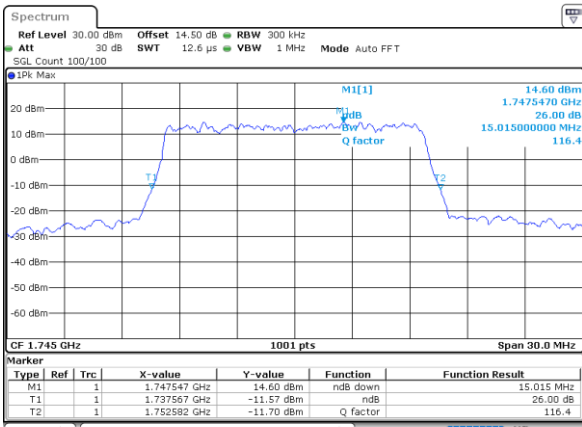
Date: 30 JUN 2021 21:33:10

Lowest Channel / 15MHz / 16QAM



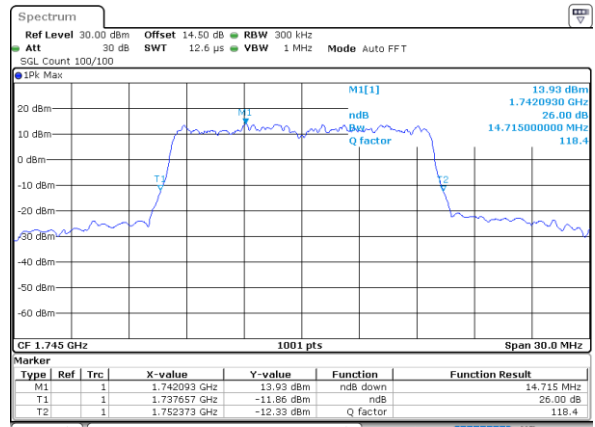
Date: 30 JUN 2021 21:33:33

Middle Channel / 15MHz / QPSK



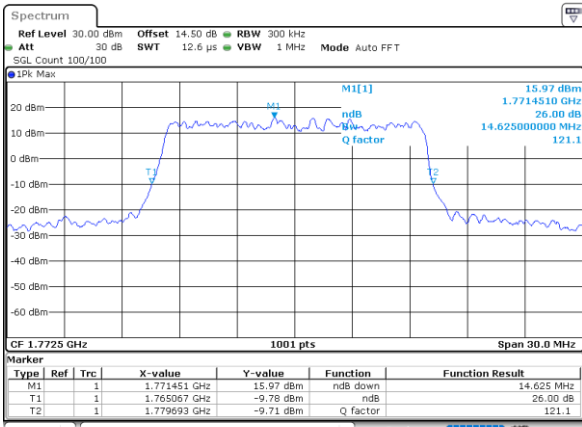
Date: 30 JUN 2021 21:45:23

Middle Channel / 15MHz / 16QAM



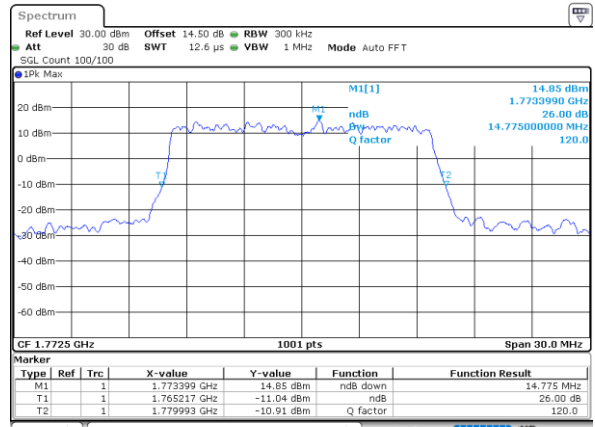
Date: 30 JUN 2021 21:45:46

Highest Channel / 15MHz / QPSK



Date: 30 JUN 2021 21:49:26

Highest Channel / 15MHz / 16QAM

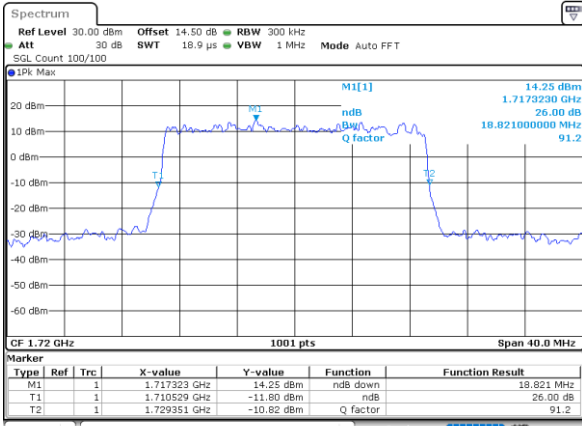


Date: 30 JUN 2021 21:49:49



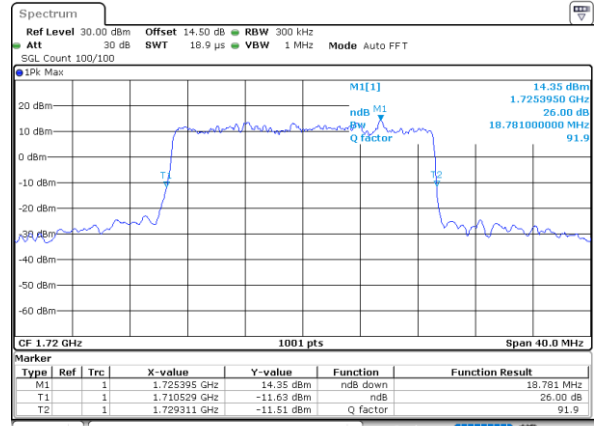
LTE Band 66

Lowest Channel / 20MHz / QPSK



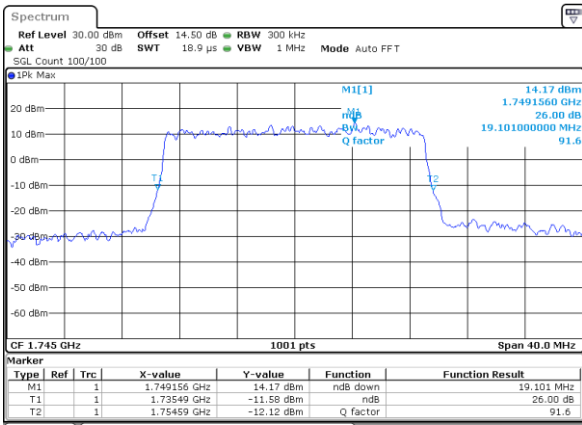
Date: 1.JUL.2021 08:57:58

Lowest Channel / 20MHz / 16QAM



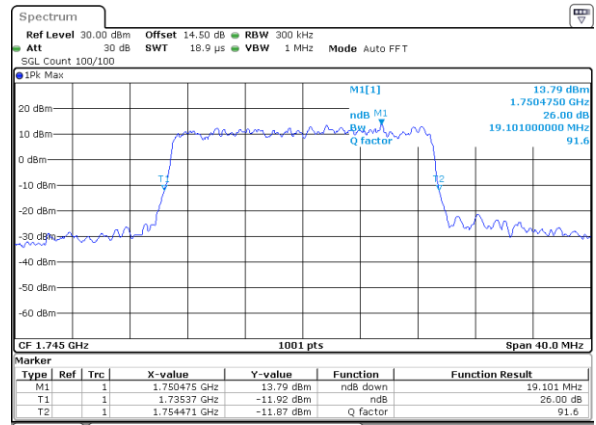
Date: 30.JUN.2021 22:02:02

Middle Channel / 20MHz / QPSK



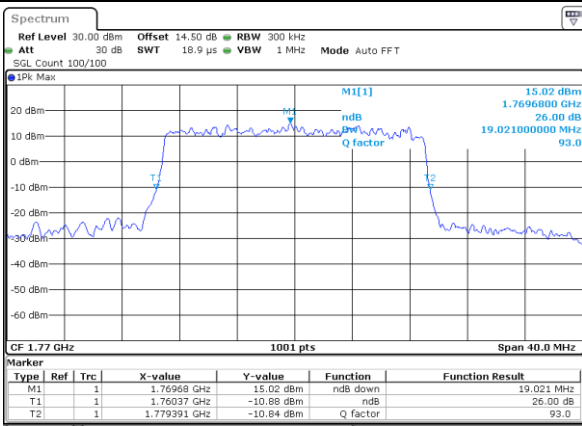
Date: 1.JUL.2021 08:59:22

Middle Channel / 20MHz / 16QAM



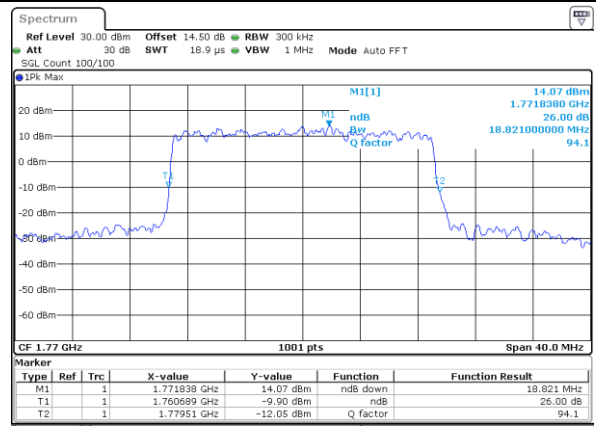
Date: 30.JUN.2021 22:14:16

Highest Channel / 20MHz / QPSK



Date: 30.JUN.2021 22:17:56

Highest Channel / 20MHz / 16QAM

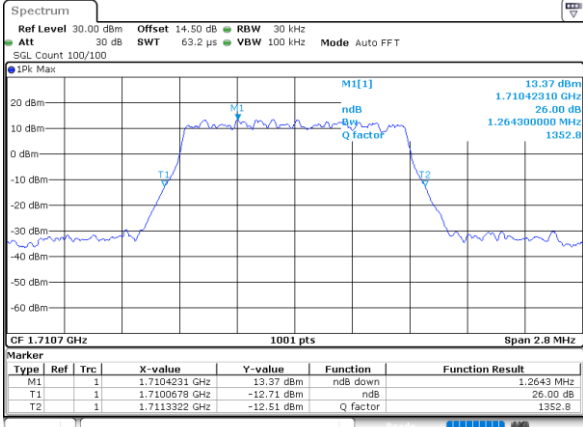


Date: 30.JUN.2021 22:18:19



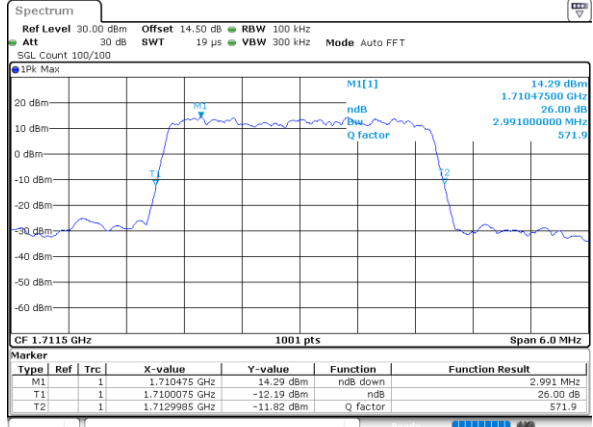
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



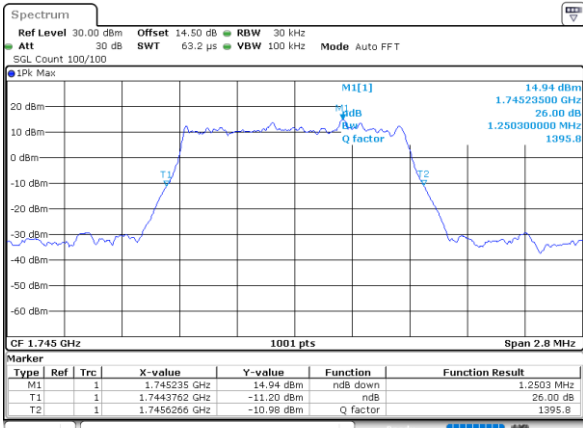
Date: 25 JUN 2021 18:28:58

Lowest Channel / 3MHz / 64QAM



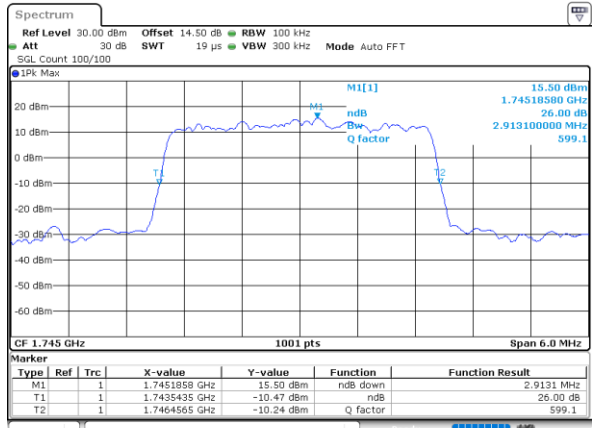
Date: 25 JUN 2021 19:12:45

Middle Channel / 20MHz / 64QAM



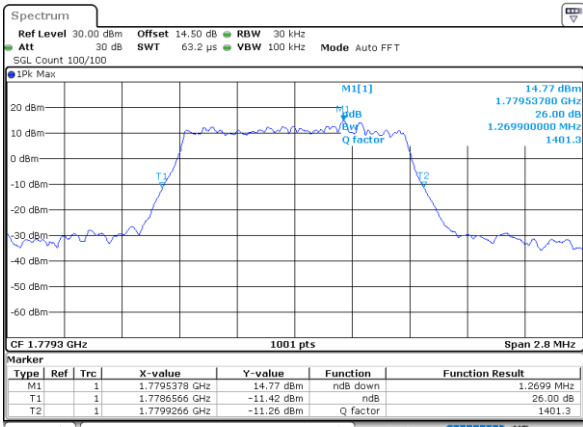
Date: 25 JUN 2021 18:35:06

Middle Channel / 3MHz / 64QAM



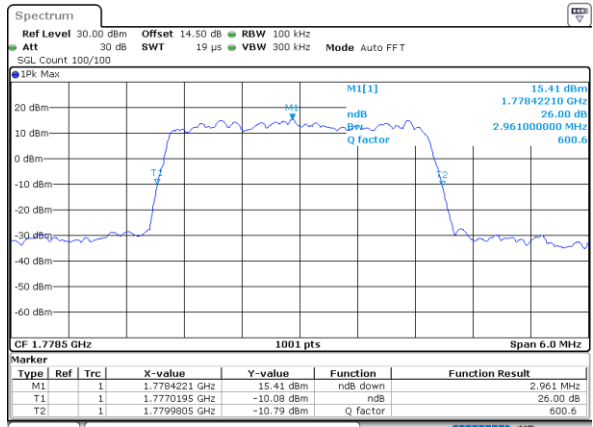
Date: 25 JUN 2021 19:18:53

Highest Channel / 20MHz / 64QAM



Date: 25 JUN 2021 18:37:09

Highest Channel / 3MHz / 64QAM



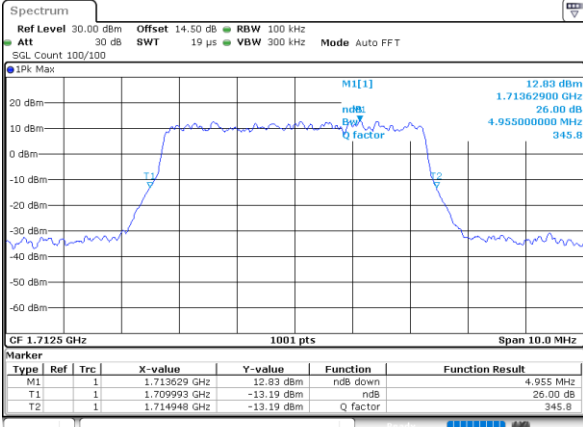
Date: 25 JUN 2021 19:20:56





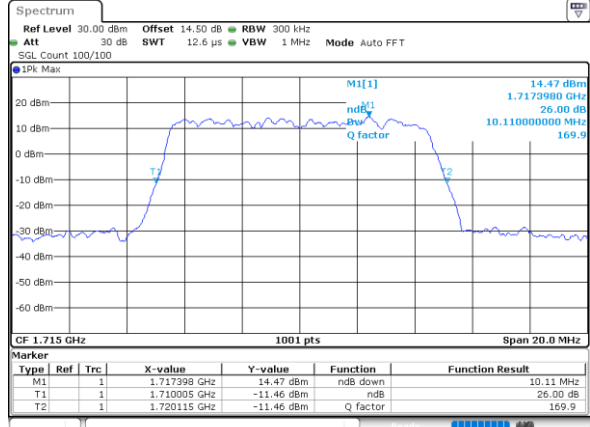
LTE Band 66

Lowest Channel / 5MHz / 64QAM



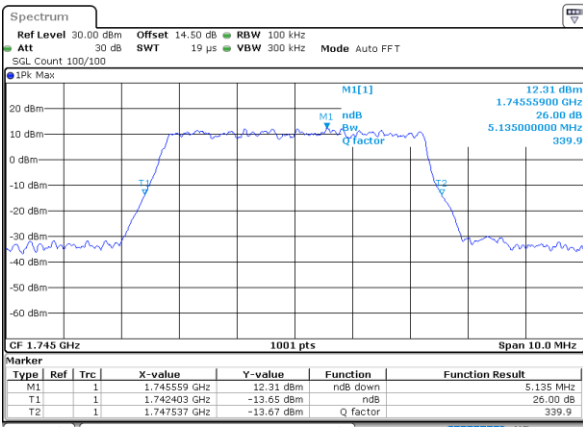
Date: 25 JUN 2021 19:27:04

Lowest Channel / 10MHz / 64QAM



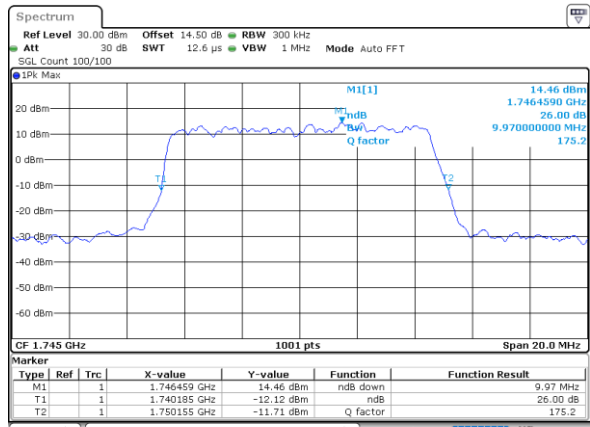
Date: 25 JUN 2021 20:40:18

Middle Channel / 5MHz / 64QAM



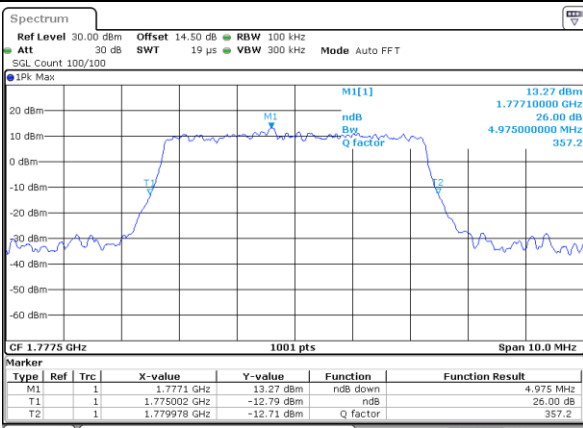
Date: 25 JUN 2021 19:33:12

Middle Channel / 10MHz / 64QAM



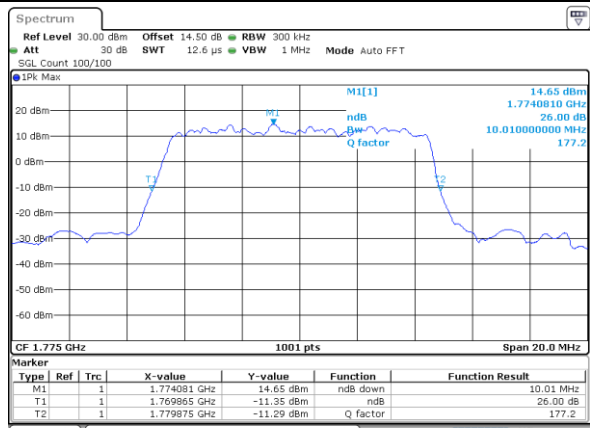
Date: 25 JUN 2021 20:46:26

Highest Channel / 5MHz / 64QAM



Date: 25 JUN 2021 19:35:14

Highest Channel / 10MHz / 64QAM

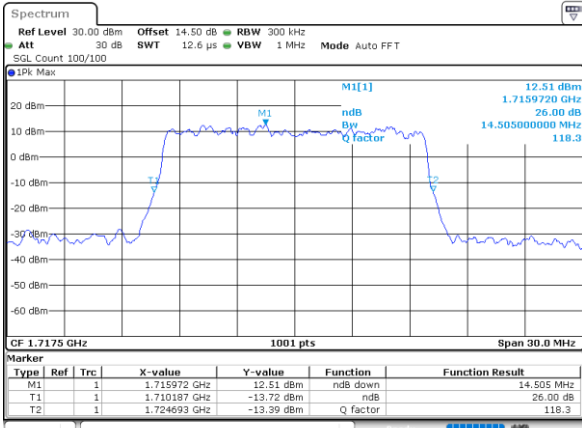


Date: 25 JUN 2021 20:48:29



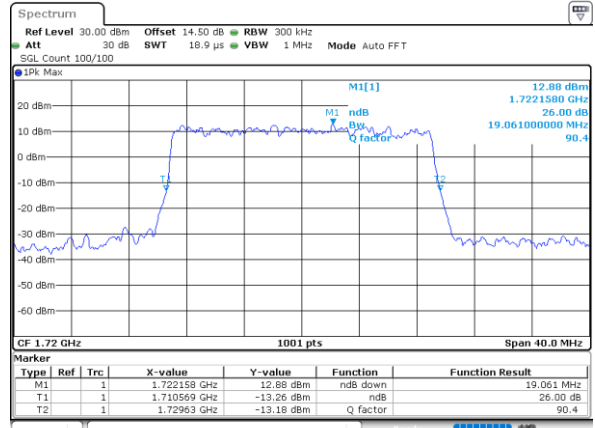
LTE Band 66

Lowest Channel / 15MHz / 64QAM



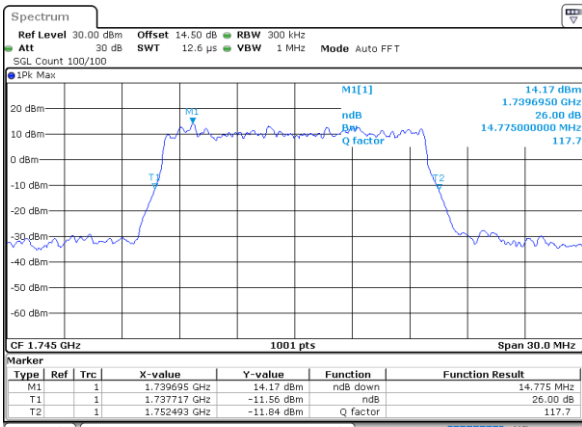
Date: 25 JUN 2021 20:54:38

Lowest Channel / 20MHz / 64QAM



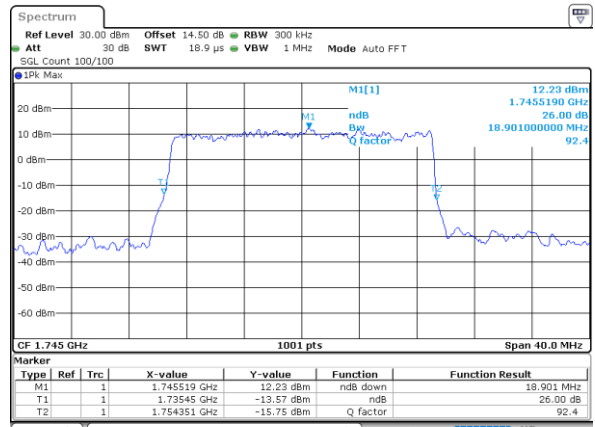
Date: 30 JUN 2021 22:29:35

Middle Channel / 15MHz / 64QAM



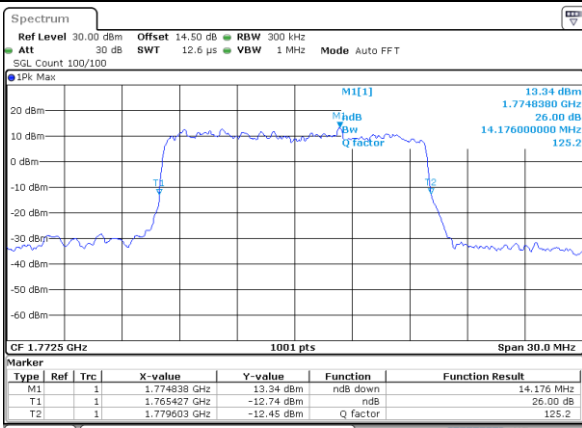
Date: 25 JUN 2021 21:00:45

Middle Channel / 20MHz / 64QAM



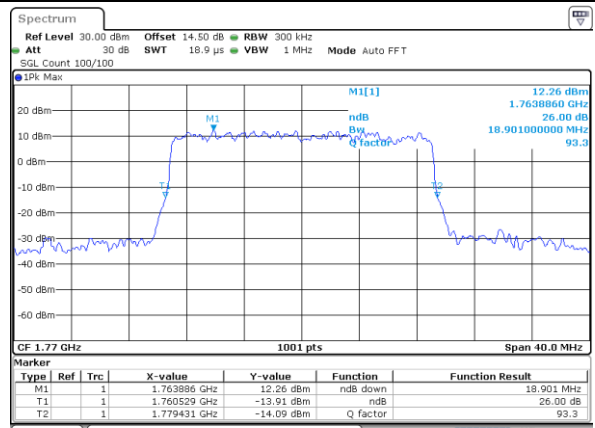
Date: 30 JUN 2021 22:35:32

Highest Channel / 15MHz / 64QAM



Date: 25 JUN 2021 21:02:48

Highest Channel / 20MHz / 64QAM



Date: 30 JUN 2021 22:37:26



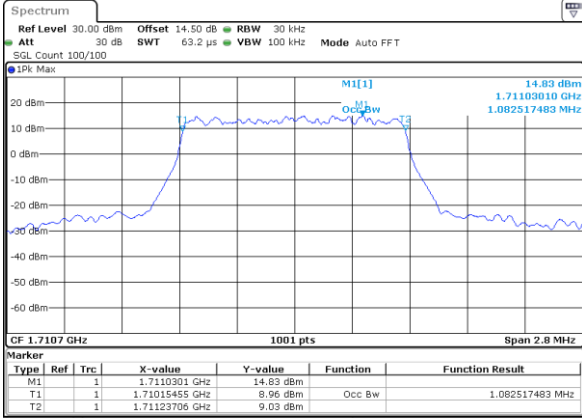
### Occupied Bandwidth

| Mode       | LTE Band 66 : 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  | 1.08                      | 1.10  | 2.72  | 2.72  | 4.48  | 4.49  | 9.03  | 9.05  | 13.49 | 13.49 | 17.86 | 17.90 |
| Middle CH  | 1.09                      | 1.09  | 2.72  | 2.71  | 4.50  | 4.49  | 9.03  | 9.03  | 13.43 | 13.40 | 17.82 | 17.90 |
| Highest CH | 1.09                      | 1.09  | 2.71  | 2.70  | 4.50  | 4.52  | 9.07  | 9.03  | 13.52 | 13.43 | 17.90 | 17.94 |
| Mode       | LTE Band 66 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | 1.08                      | -     | 2.70  | -     | 4.50  | -     | 9.07  | -     | 13.49 | -     | 17.82 | -     |
| Middle CH  | 1.09                      | -     | 2.72  | -     | 4.52  | -     | 9.05  | -     | 13.46 | -     | 17.94 | -     |
| Highest CH | 1.09                      | -     | 2.72  | -     | 4.50  | -     | 9.03  | -     | 13.43 | -     | 17.94 | -     |



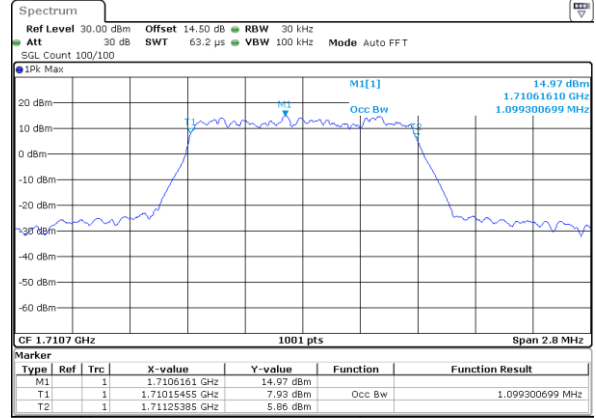
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



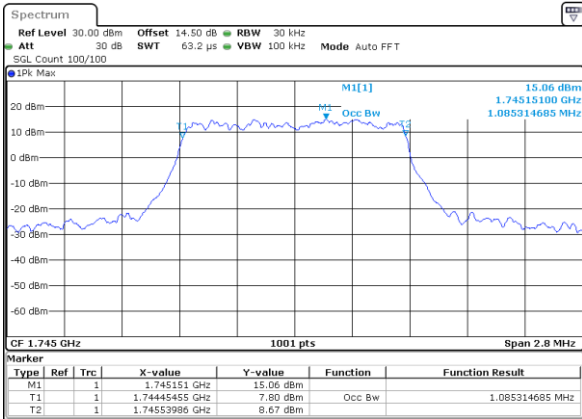
Date: 25 JUN 2021 17:59:13

Lowest Channel / 1.4MHz / 16QAM



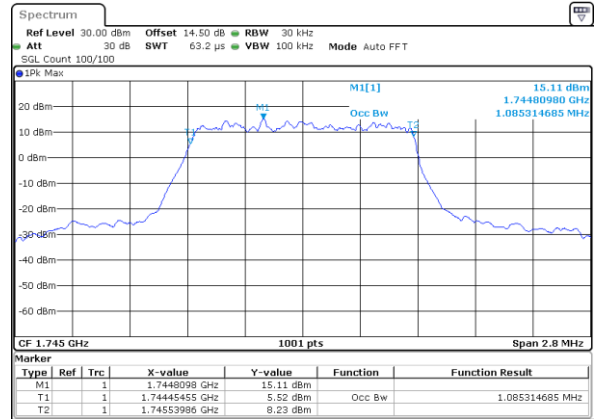
Date: 25 JUN 2021 17:59:38

Middle Channel / 1.4MHz / QPSK



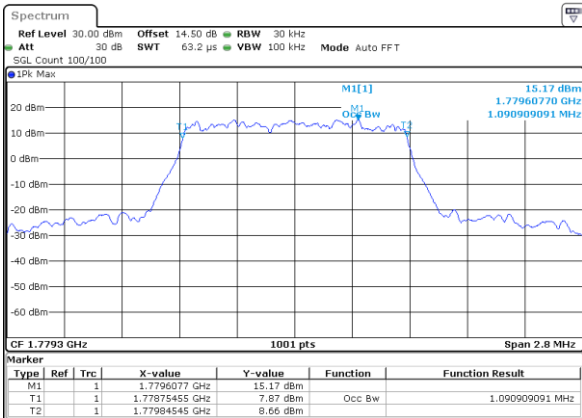
Date: 1 JUL 2021 08:50:17

Middle Channel / 1.4MHz / 16QAM



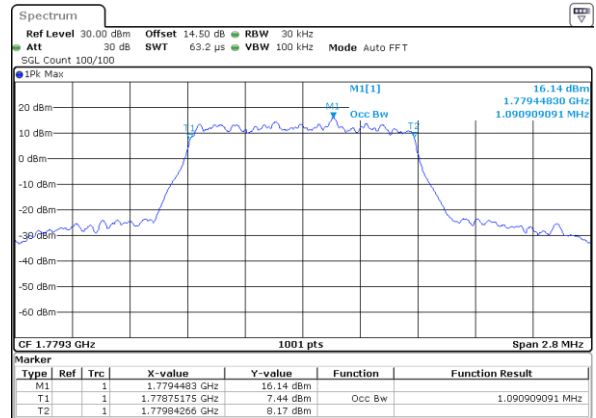
Date: 1 JUL 2021 08:49:09

Highest Channel / 1.4MHz / QPSK



Date: 25 JUN 2021 18:16:09

Highest Channel / 1.4MHz / 16QAM



Date: 25 JUN 2021 18:16:34