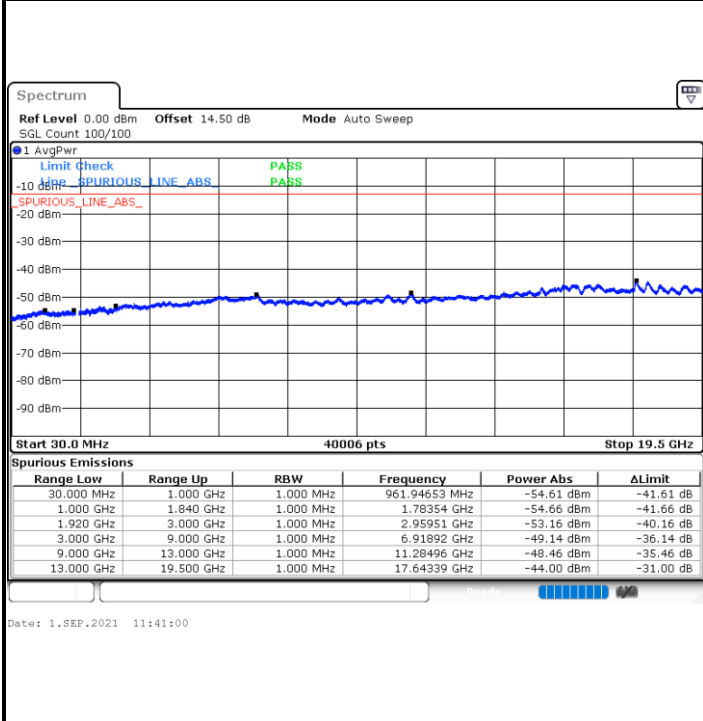


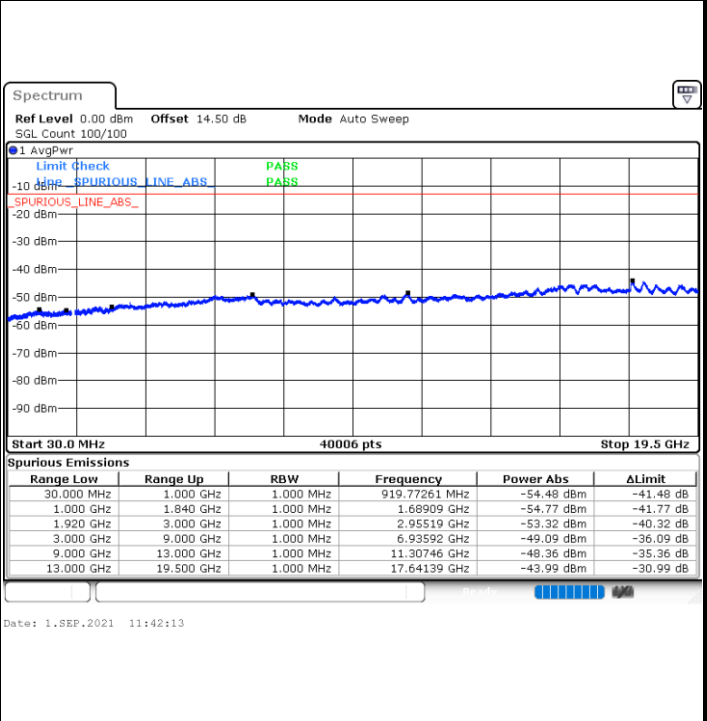


LTE Band 2 / 5MHz

Highest Channel / QPSK

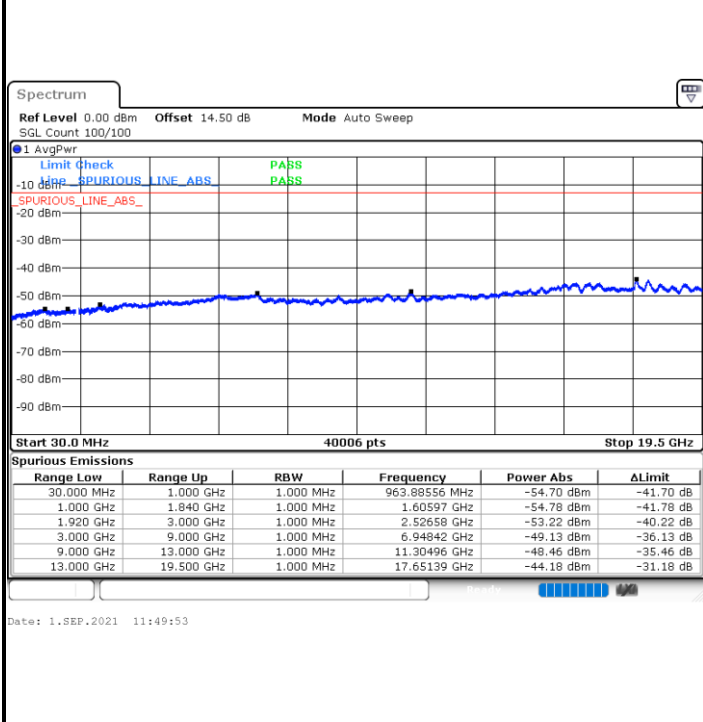


Highest Channel / 16QAM

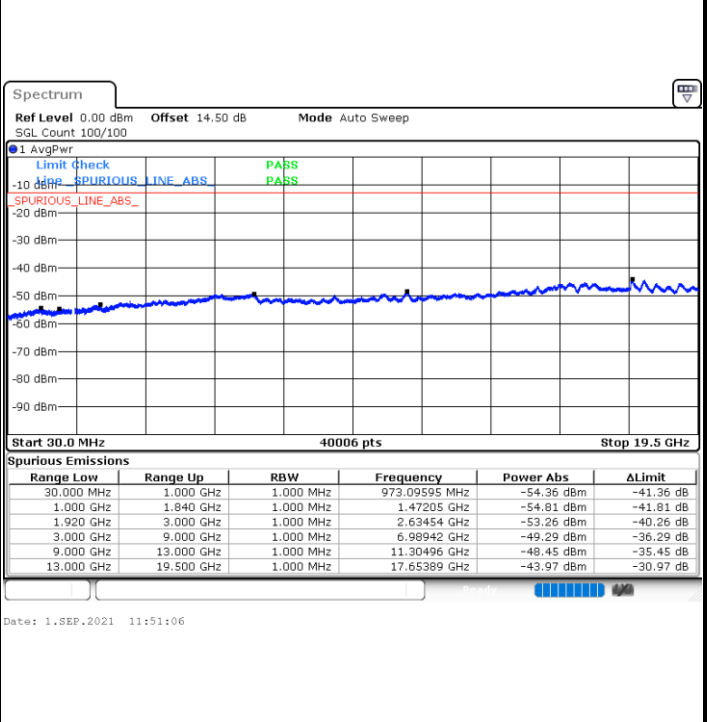


LTE Band 2 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

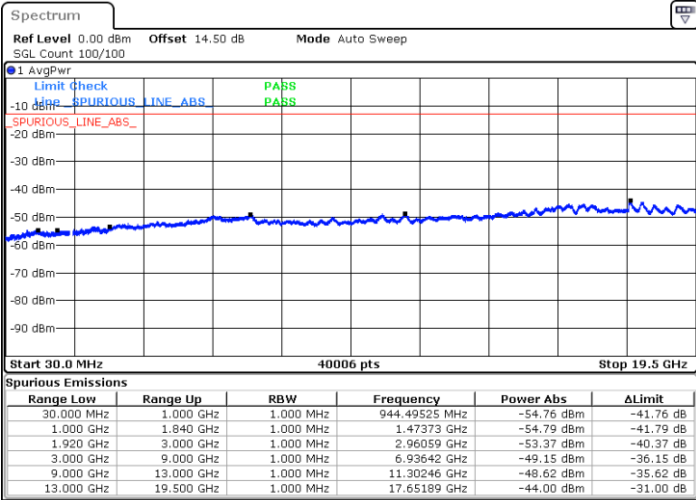




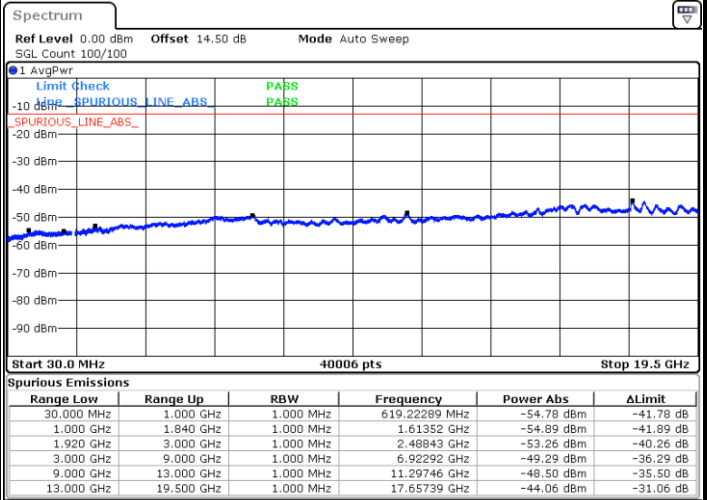
LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



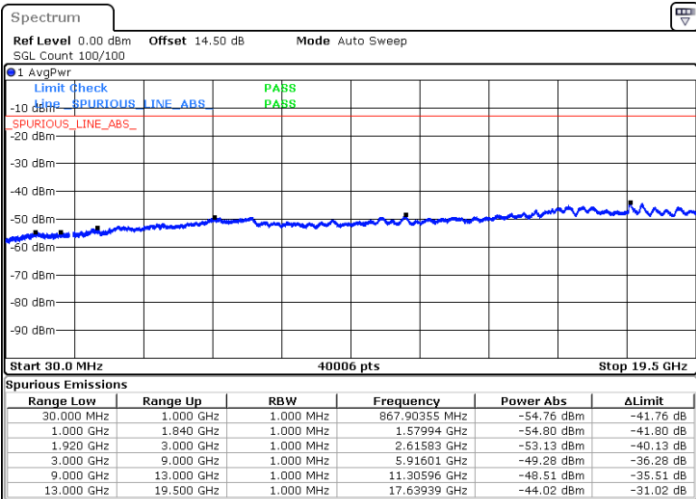
Date: 1.SEP.2021 11:53:53



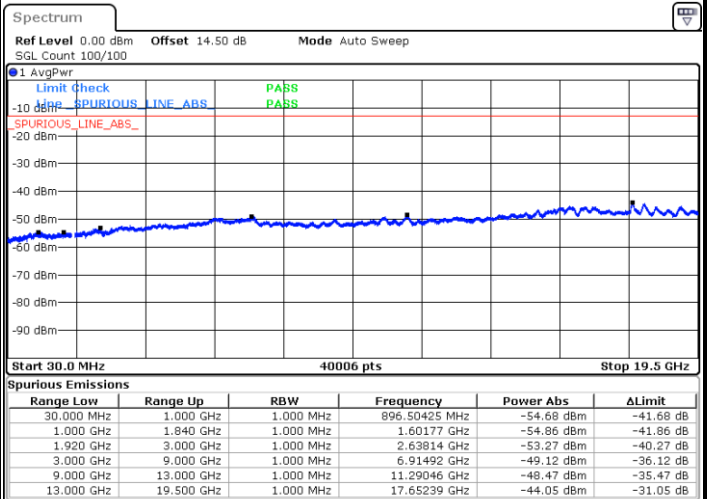
Date: 1.SEP.2021 11:55:05

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.SEP.2021 12:02:44



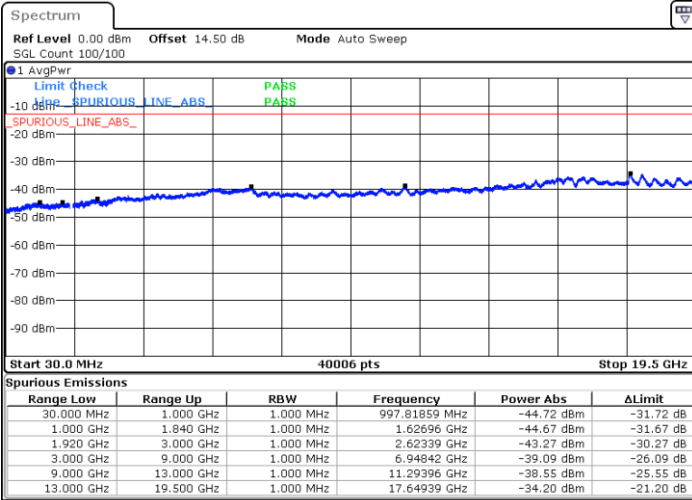
Date: 1.SEP.2021 12:03:57



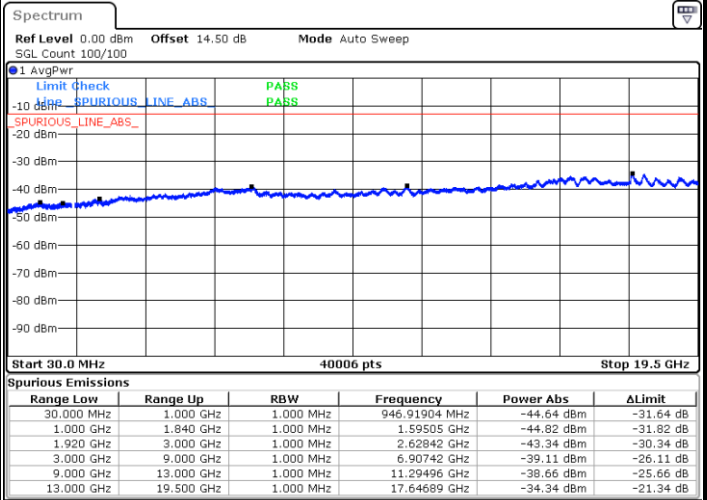
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



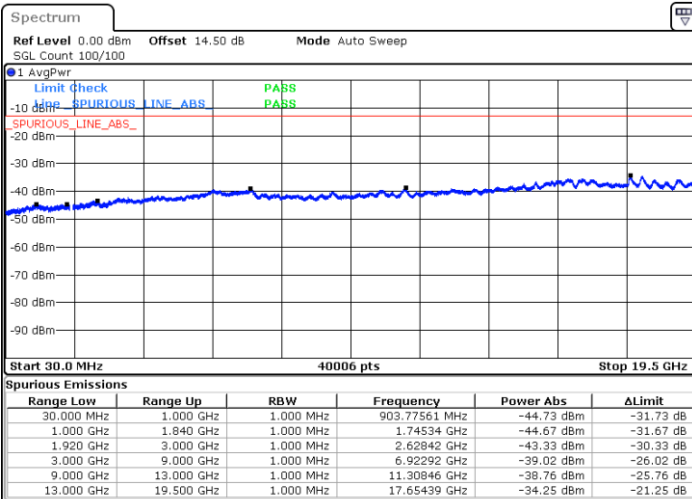
Date: 1.SEP.2021 12:11:37



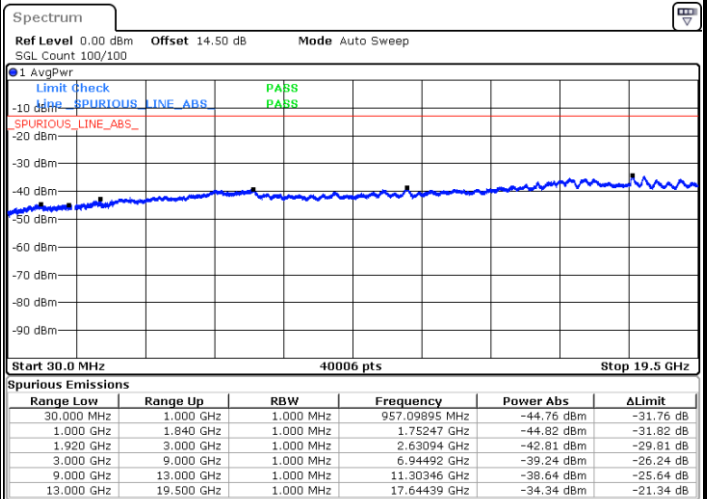
Date: 1.SEP.2021 12:12:50

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 1.SEP.2021 12:15:37



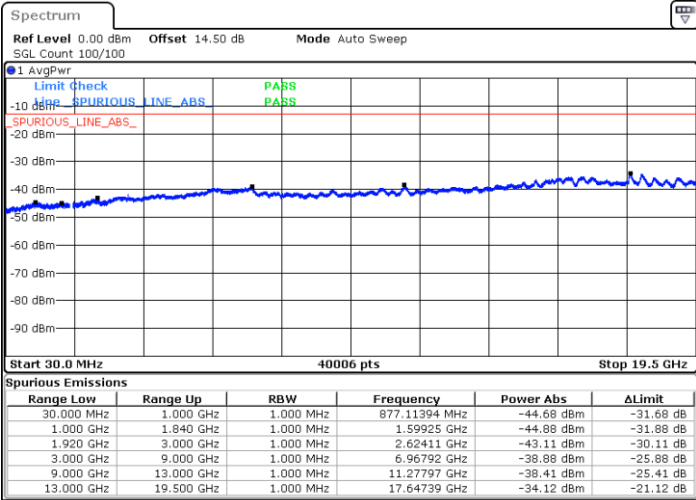
Date: 1.SEP.2021 12:16:50



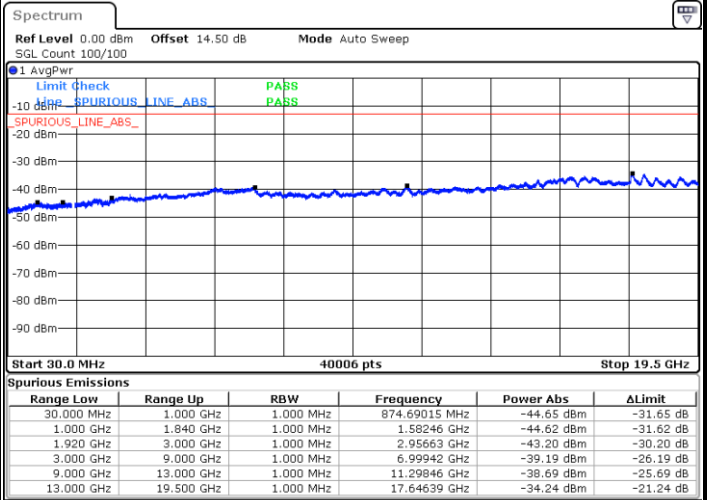
LTE Band 2 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.SEP.2021 13:02:39

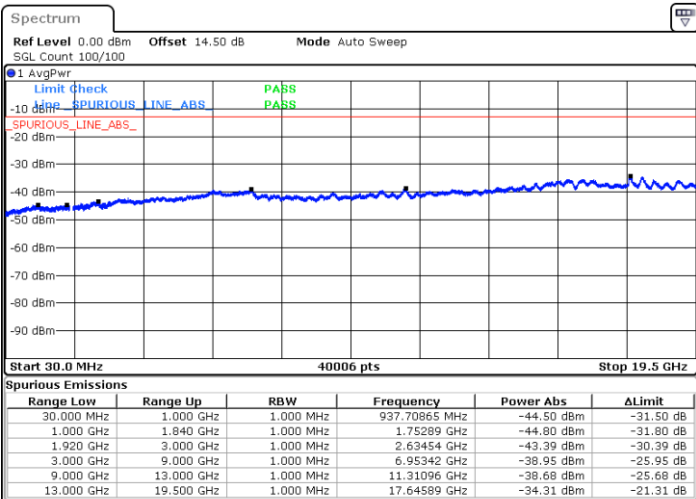


Date: 1.SEP.2021 13:03:52

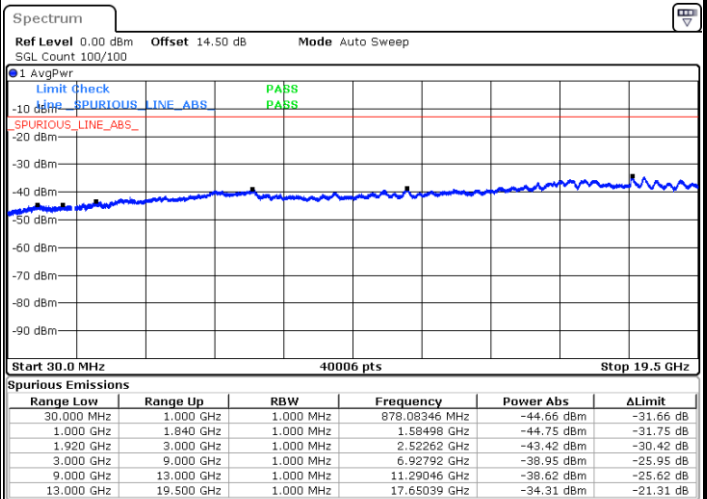
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 1.SEP.2021 13:11:32

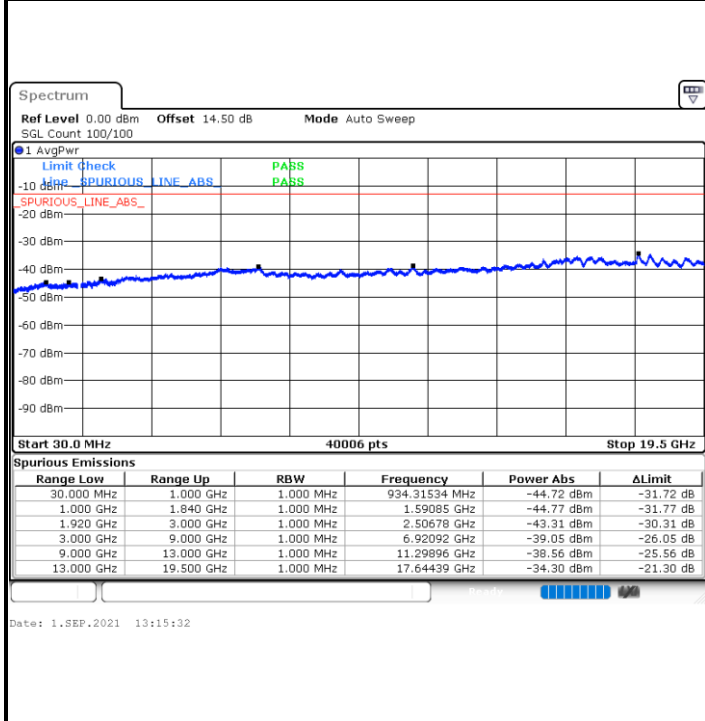


Date: 1.SEP.2021 13:12:45

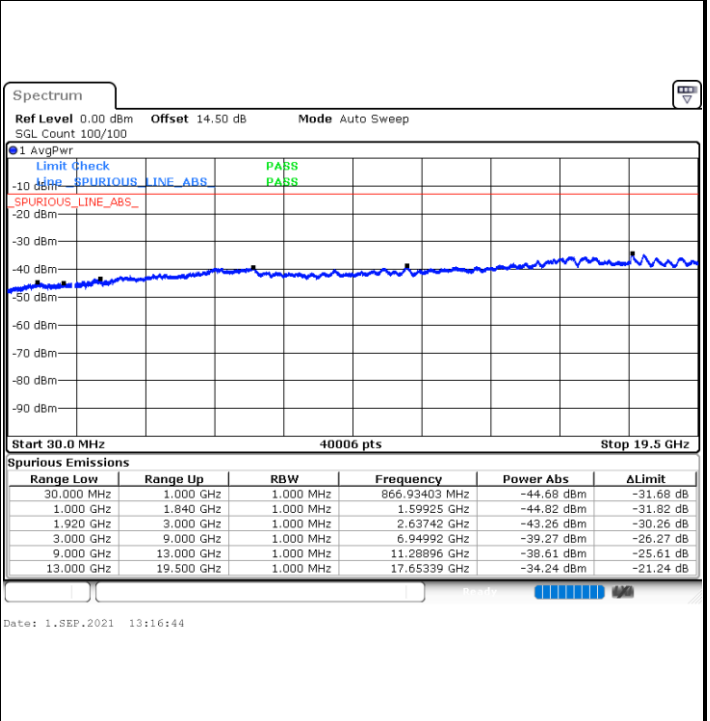


LTE Band 2 / 20MHz

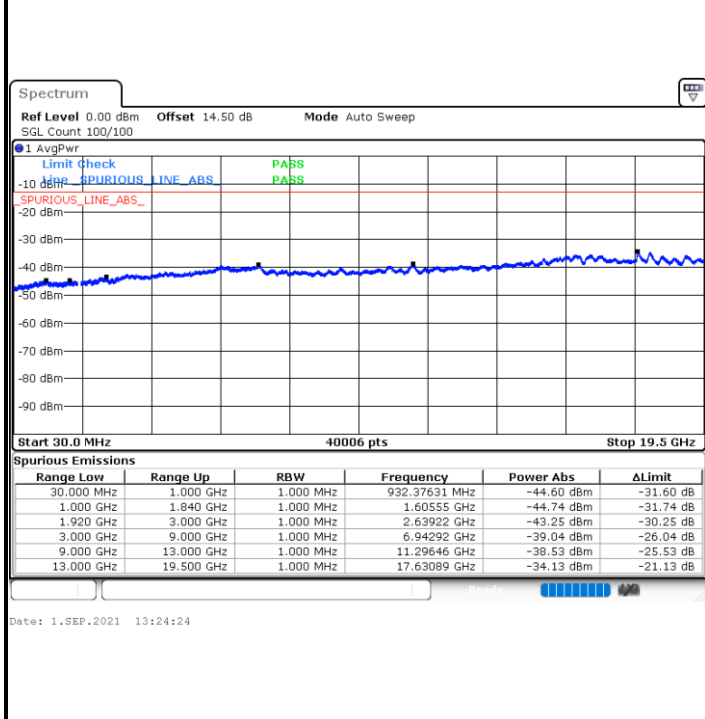
Middle Channel / QPSK



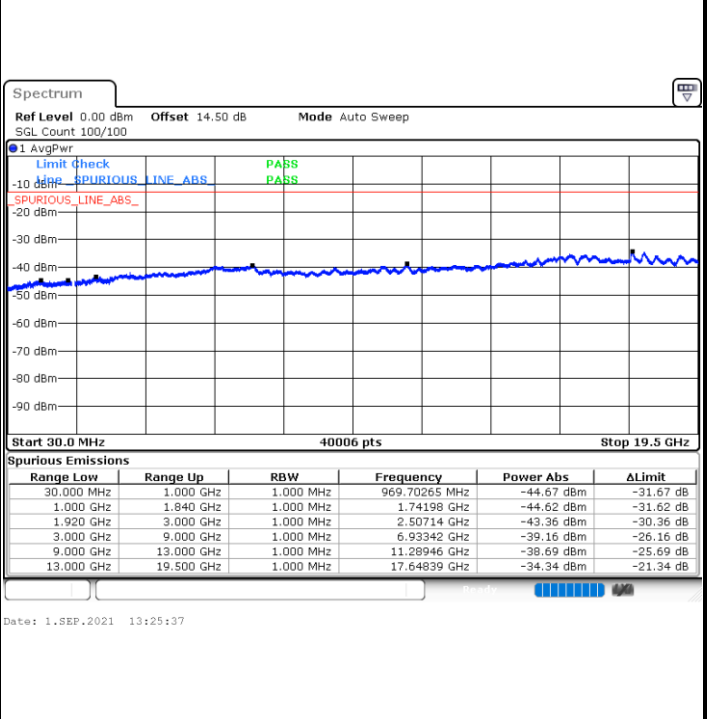
Middle Channel / 16QAM



Highest Channel / QPSK



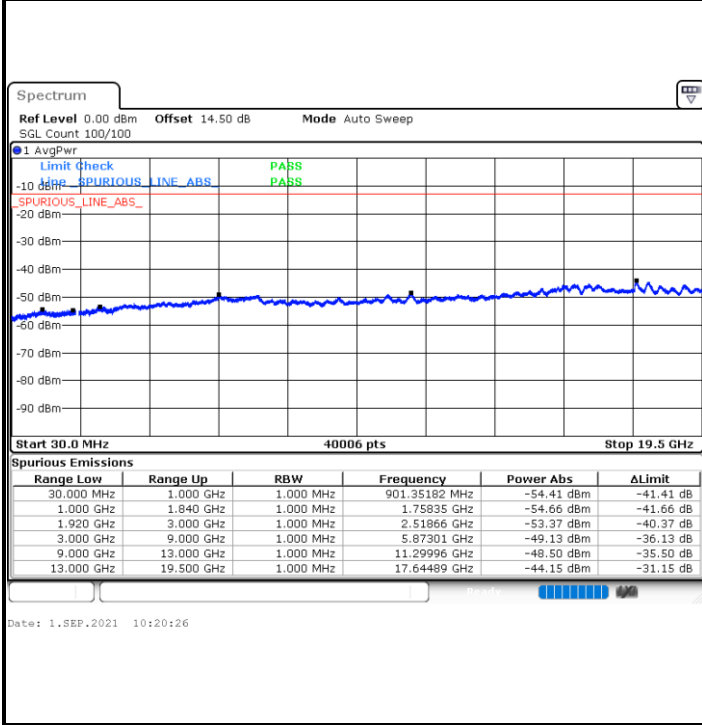
Highest Channel / 16QAM



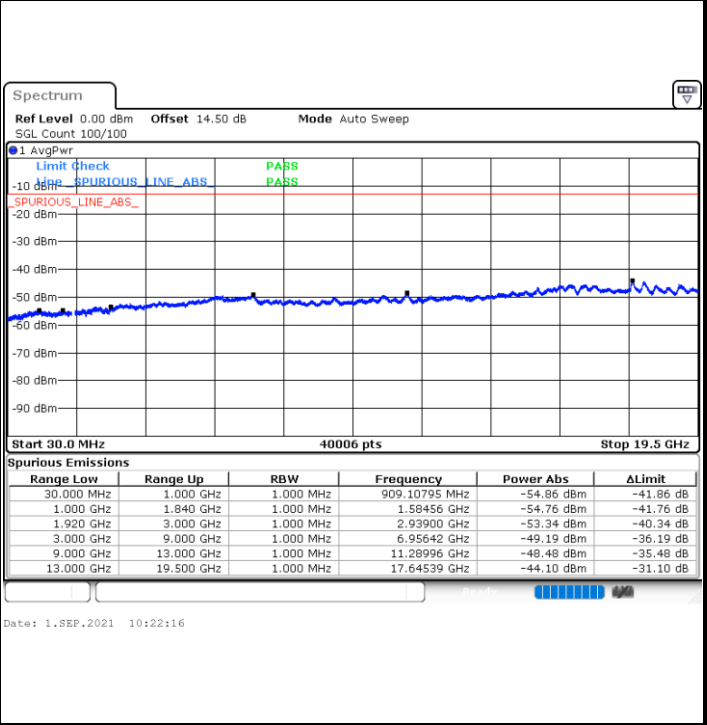


LTE Band 2 / 1.4MHz

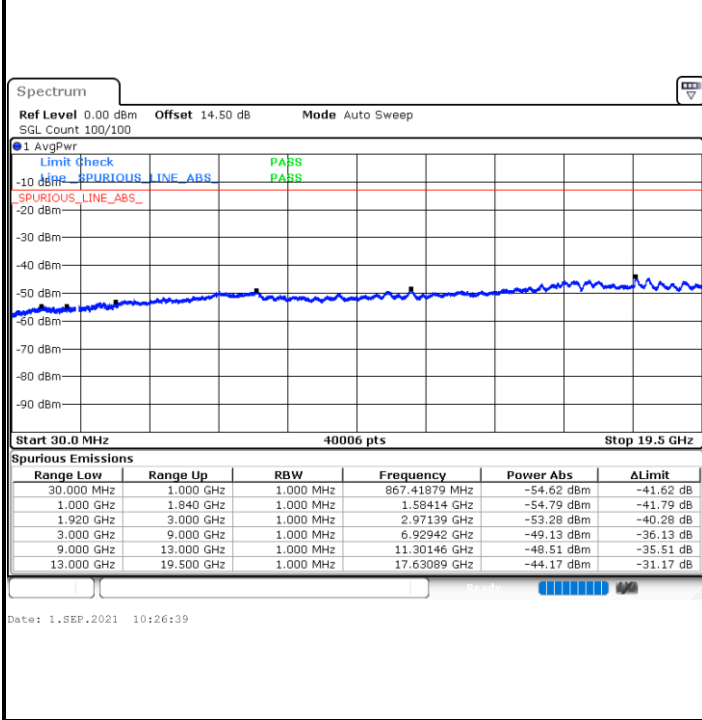
Lowest Channel / 64QAM



Middle Channel / 64QAM



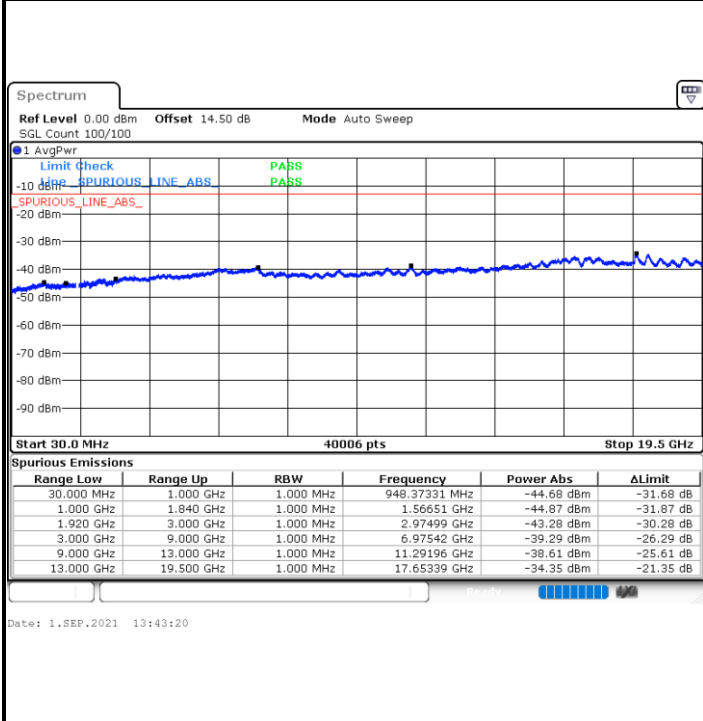
Highest Channel / 64QAM



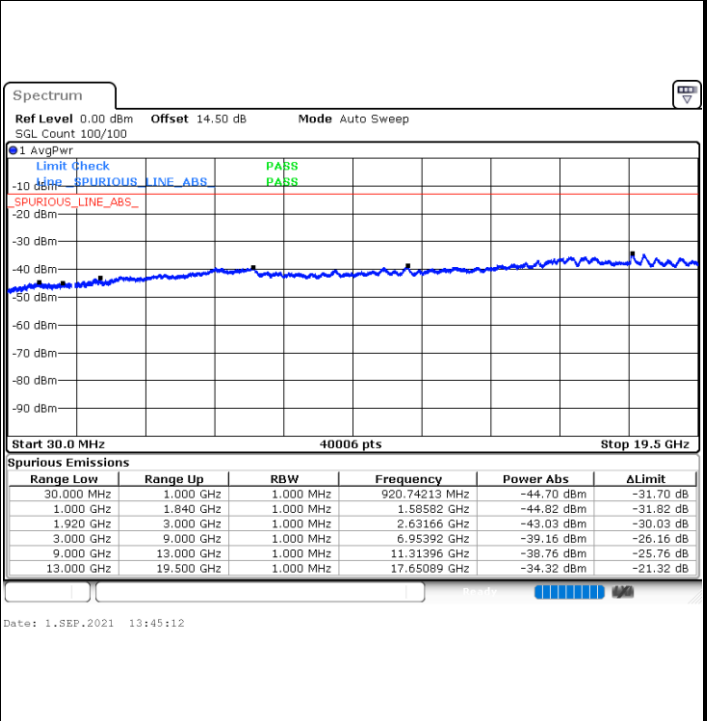


LTE Band 2 / 3MHz

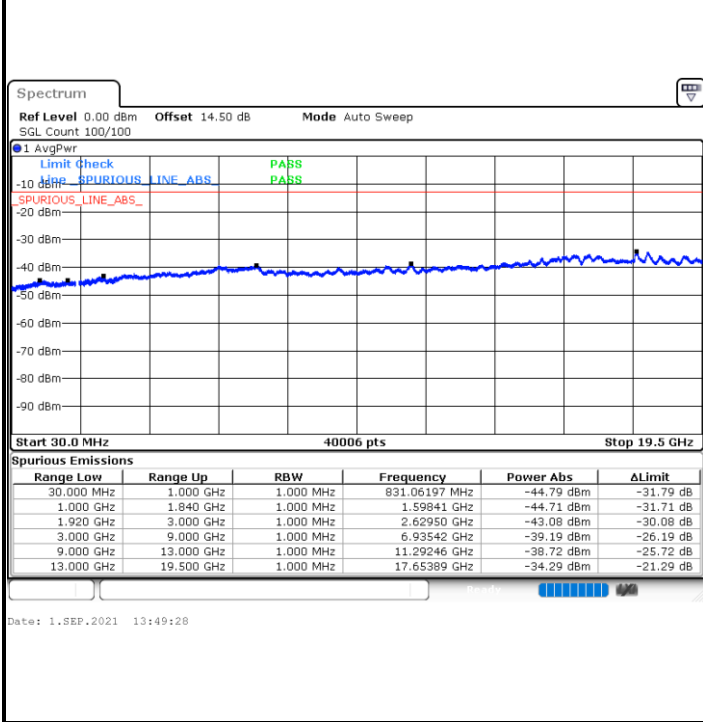
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM

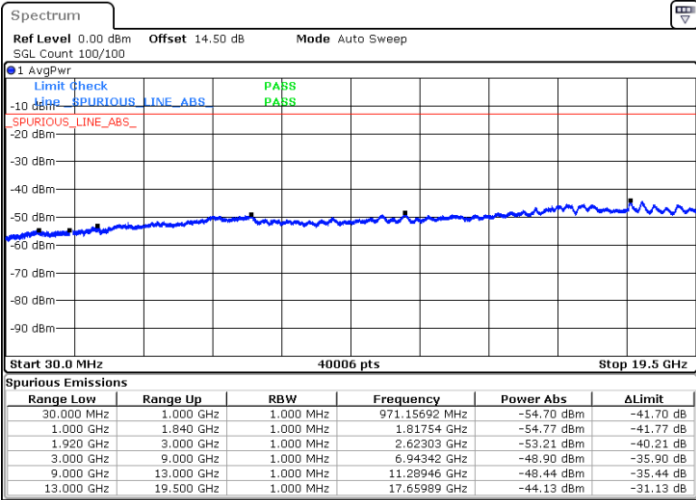




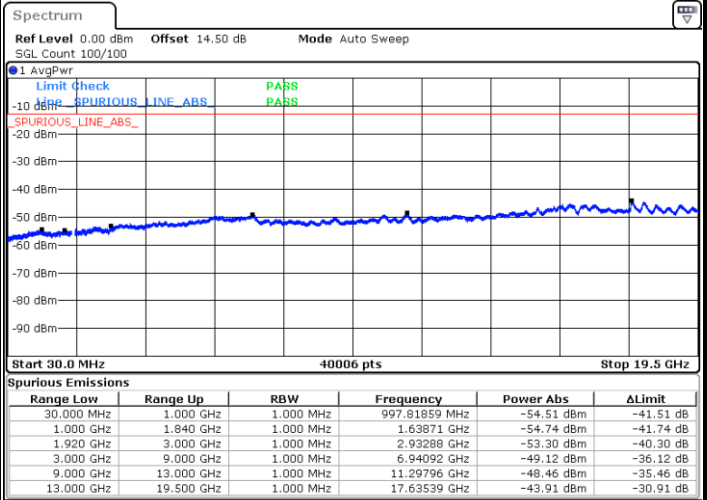
LTE Band 2 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

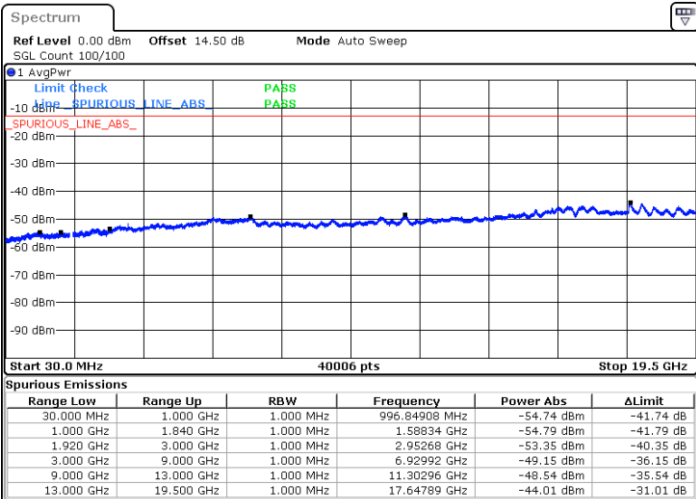


Date: 1.SEP.2021 13:53:46



Date: 1.SEP.2021 13:55:37

Highest Channel / 64QAM



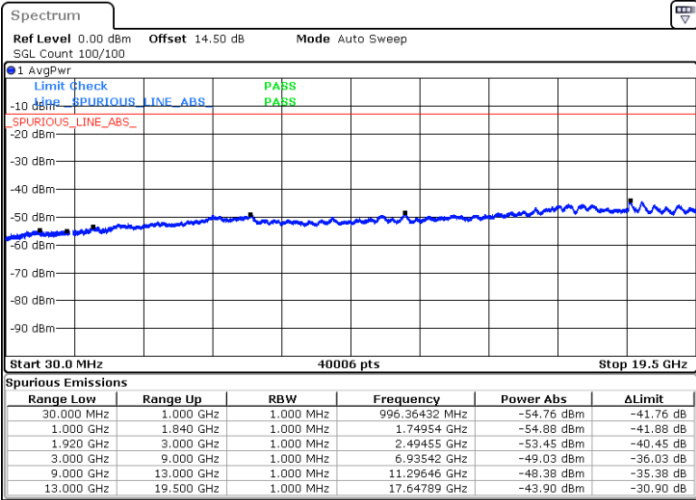
Date: 1.SEP.2021 13:59:53



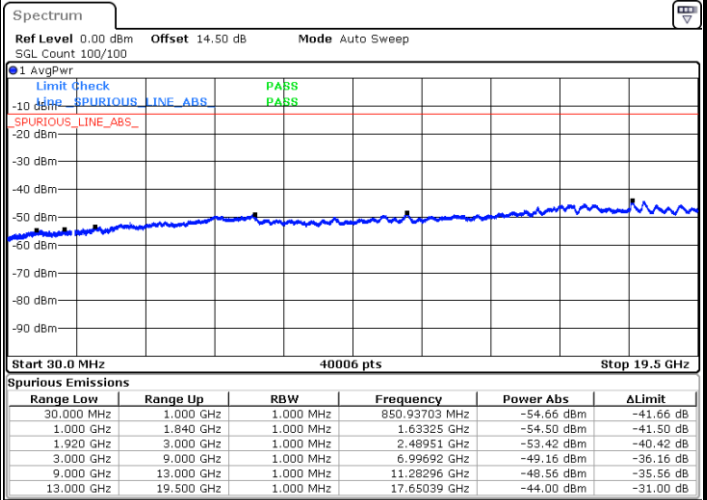
LTE Band 2 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

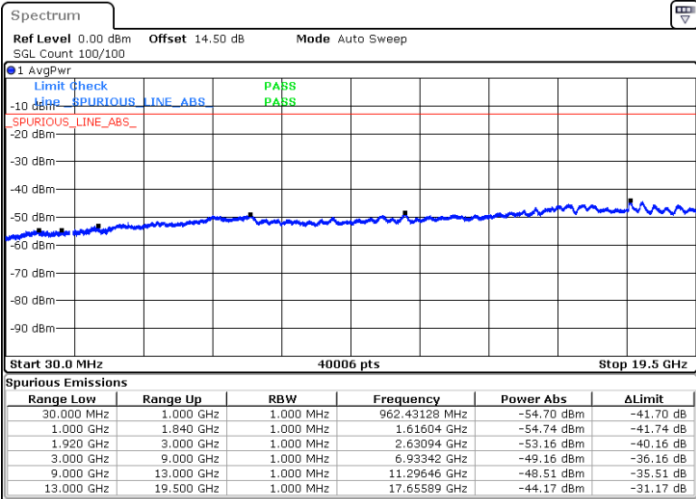


Date: 1.SEP.2021 14:04:11



Date: 1.SEP.2021 14:06:02

Highest Channel / 64QAM



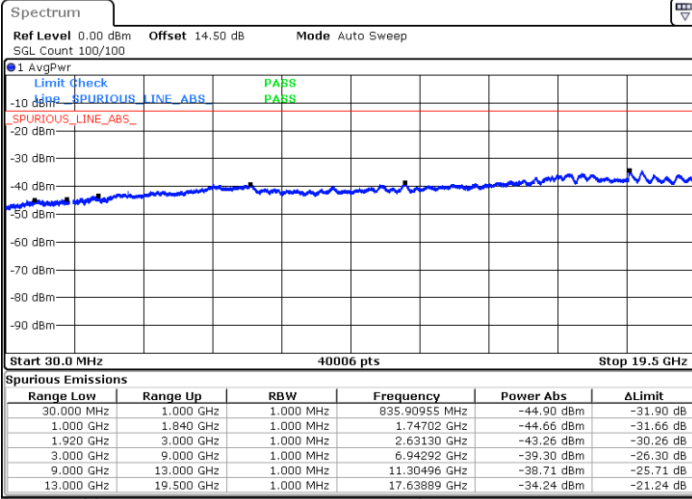
Date: 1.SEP.2021 14:10:19



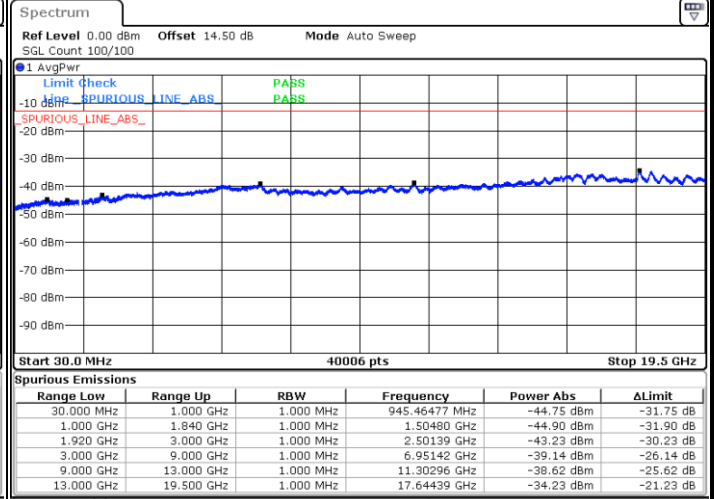
LTE Band 2 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

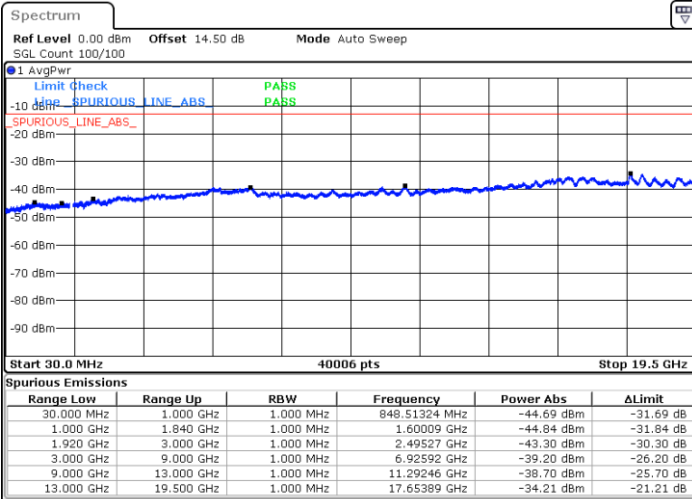


Date: 1.SEP.2021 14:14:36



Date: 1.SEP.2021 14:16:27

Highest Channel / 64QAM



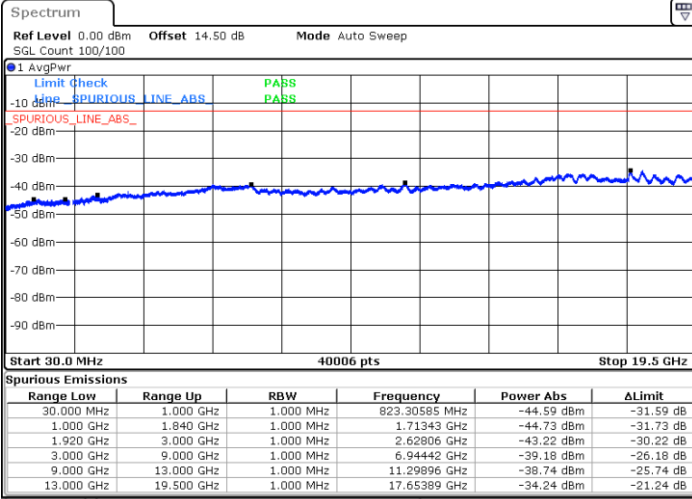
Date: 1.SEP.2021 14:20:43



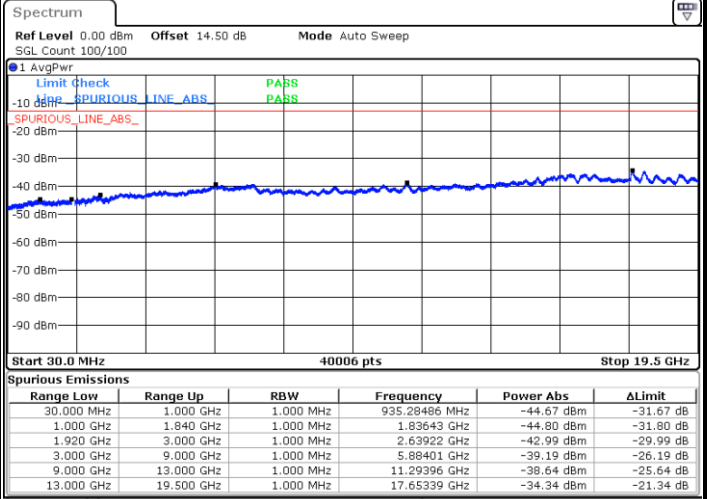
LTE Band 2 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

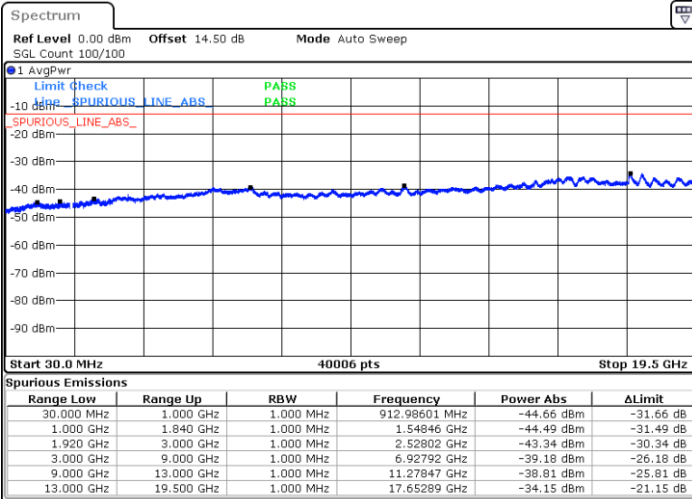


Date: 1.SEP.2021 14:25:01



Date: 1.SEP.2021 14:26:52

Highest Channel / 64QAM



Date: 1.SEP.2021 14:31:09



Frequency Stability

| Test Conditions | | LTE Band 2 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0034 | PASS |
| 40 | Normal Voltage | 0.0005 | |
| 30 | Normal Voltage | 0.0001 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0038 | |
| 0 | Normal Voltage | 0.0002 | |
| -10 | Normal Voltage | 0.0001 | |
| -20 | Normal Voltage | 0.0006 | |
| -30 | Normal Voltage | 0.0001 | |
| 20 | Maximum Voltage | 0.0035 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0002 | |

Note:

1. Normal Voltage =3.8 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 7

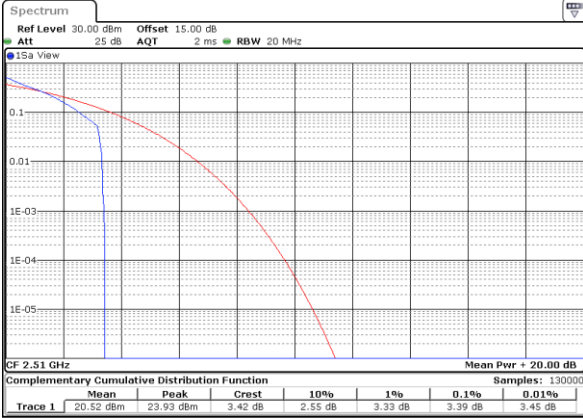
Peak-to-Average Ratio

| Mode | LTE Band 7 / 20MHz | | | | |
|------------|--------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.39 | 4.81 | 4.87 | 5.77 | PASS |
| Middle CH | 3.45 | 4.81 | 5.01 | 5.74 | |
| Highest CH | 3.42 | 4.81 | 4.75 | 5.74 | |
| Mode | LTE Band 7 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 6.41 | 6.43 | - | - | PASS |
| Middle CH | 6.41 | 6.41 | - | - | |
| Highest CH | 6.46 | 6.38 | - | - | |



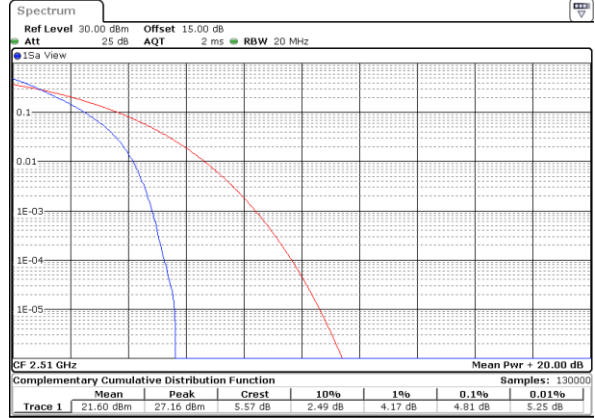
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



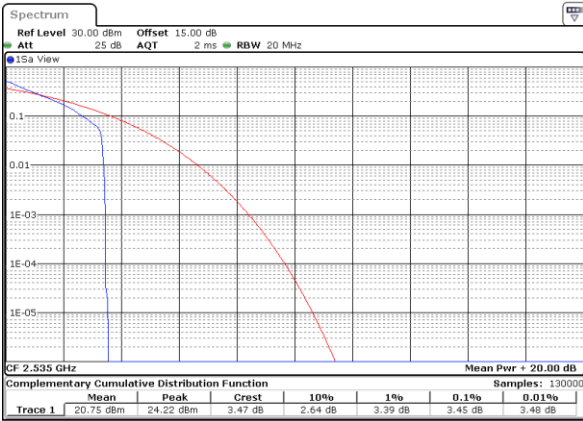
Date: 8,SEP,2021 14:39:59

Lowest Channel / Full RB



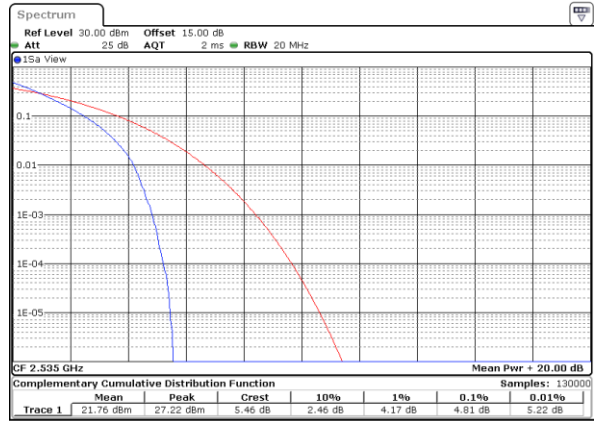
Date: 8,SEP,2021 14:41:15

Middle Channel / 1RB



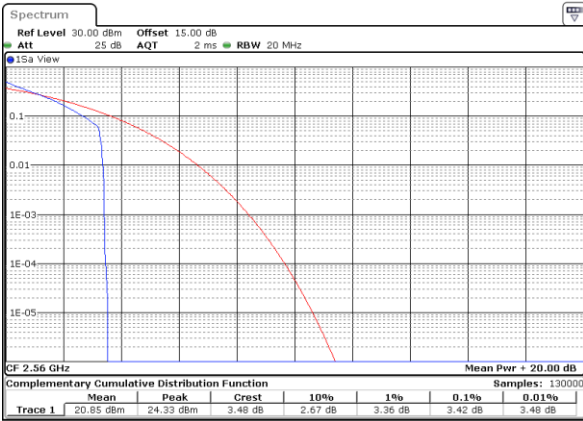
Date: 8,SEP,2021 14:39:34

Middle Channel / Full RB



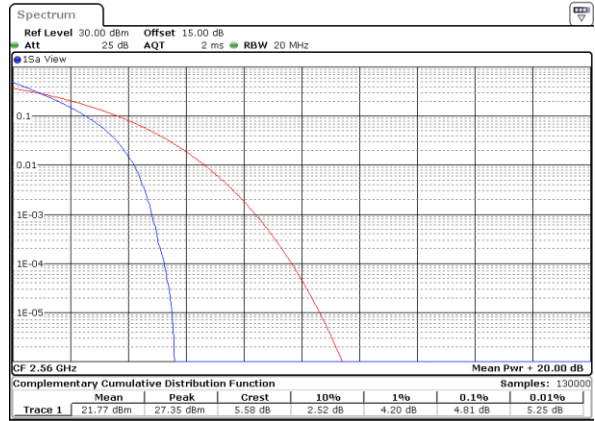
Date: 8,SEP,2021 14:37:14

Highest Channel / 1RB



Date: 8,SEP,2021 14:34:38

Highest Channel / Full RB

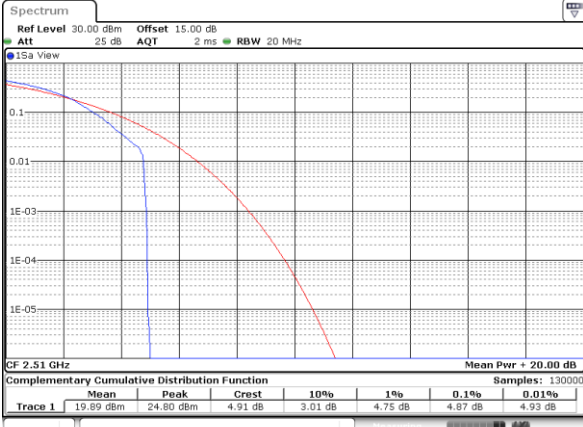


Date: 8,SEP,2021 14:36:22



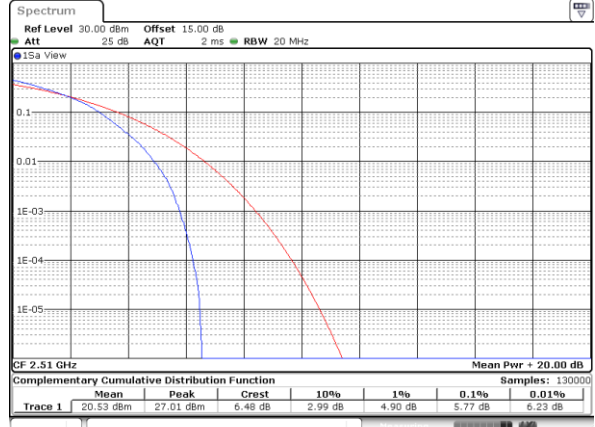
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



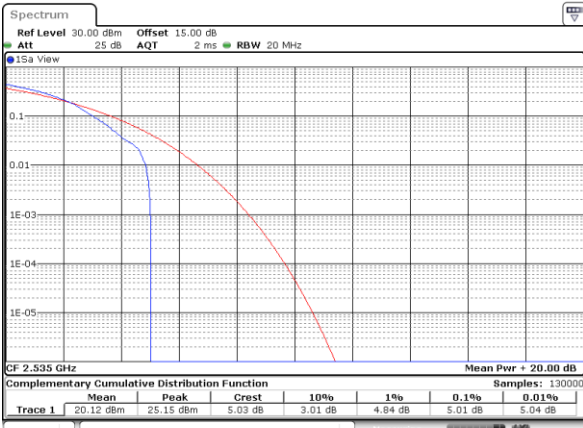
Date: 8,SEP,2021 14:40:16

Lowest Channel / Full RB



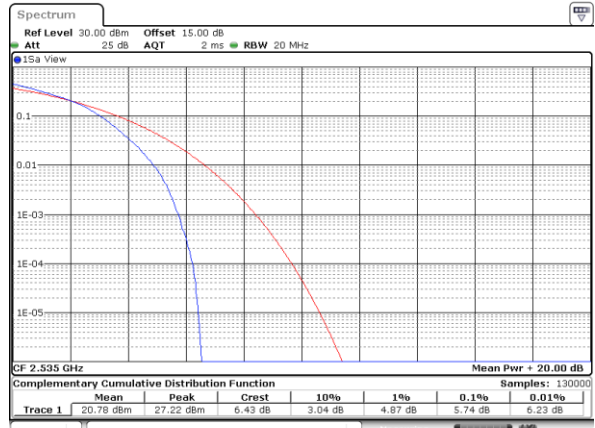
Date: 8,SEP,2021 14:41:03

Middle Channel / 1RB



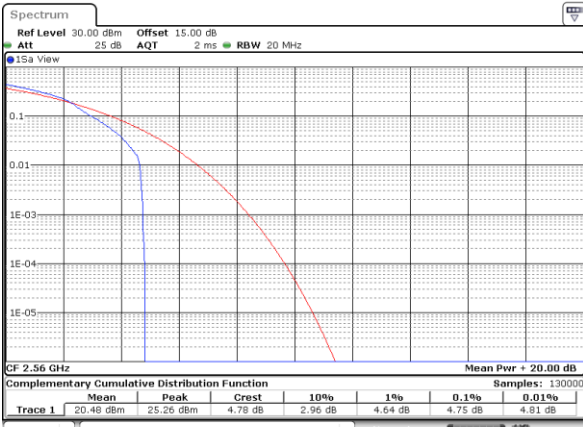
Date: 8,SEP,2021 14:39:14

Middle Channel / Full RB



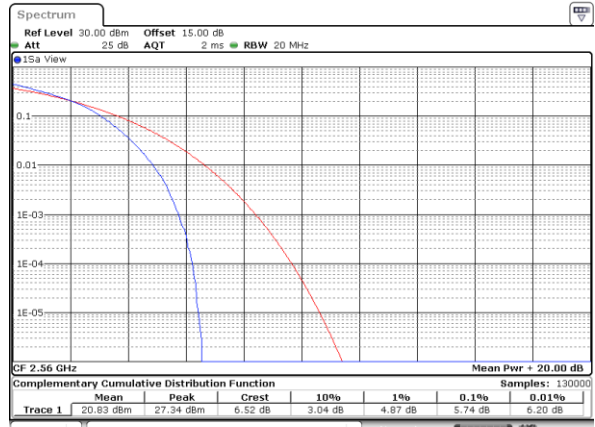
Date: 8,SEP,2021 14:37:33

Highest Channel / 1RB



Date: 8,SEP,2021 14:35:04

Highest Channel / Full RB

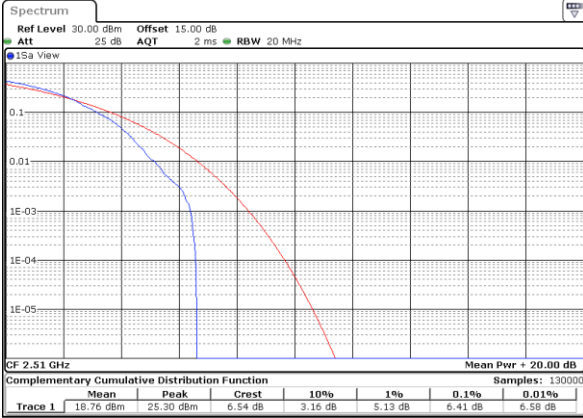


Date: 8,SEP,2021 14:36:03



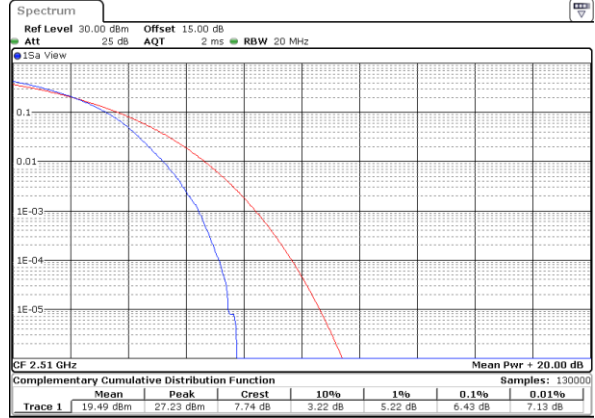
LTE Band 7 / 20MHz / 64QAM

Lowest Channel / 1RB



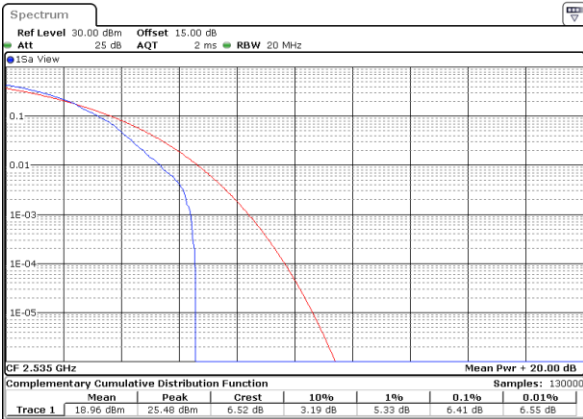
Date: 8,SEP,2021 14:40:29

Lowest Channel / Full RB



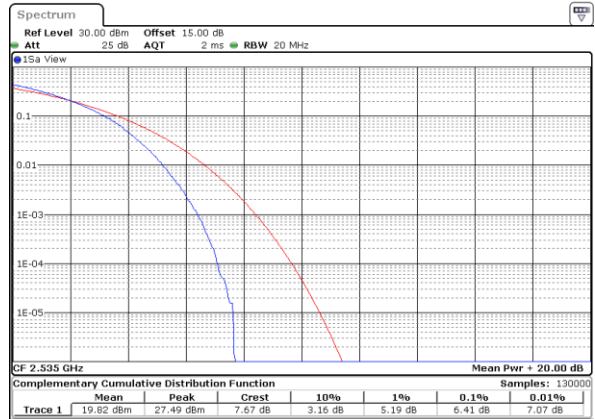
Date: 8,SEP,2021 14:40:49

Middle Channel / 1RB



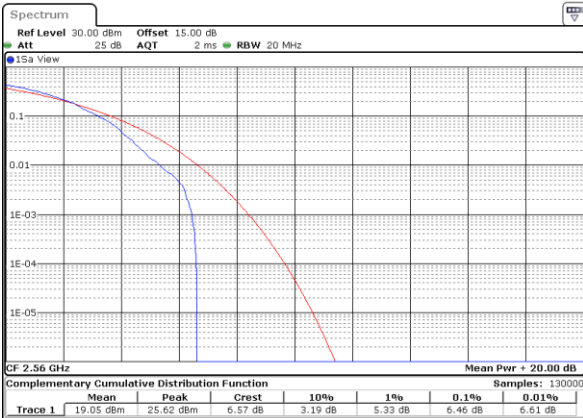
Date: 8,SEP,2021 14:38:57

Middle Channel / Full RB



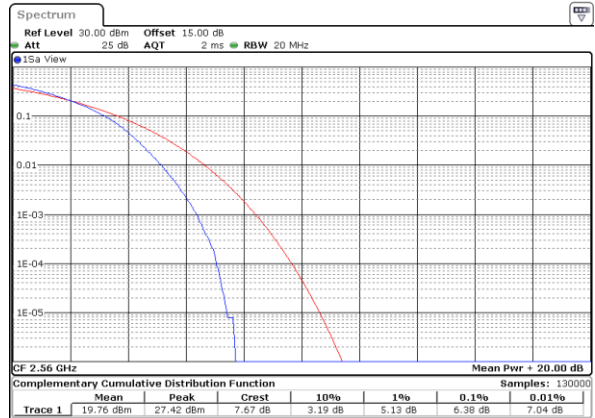
Date: 8,SEP,2021 14:37:46

Highest Channel / 1RB



Date: 8,SEP,2021 14:35:19

Highest Channel / Full RB



Date: 8,SEP,2021 14:35:44



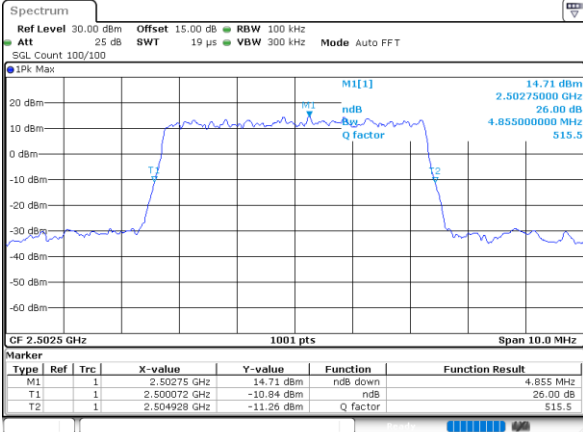
26dB Bandwidth

| Mode | LTE Band 7 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | - | - | - | - | 4.86 | 4.79 | 9.77 | 9.73 | 14.33 | 14.24 | 19.26 | 19.02 |
| Middle CH | - | - | - | - | 4.82 | 4.89 | 9.79 | 9.79 | 14.36 | 14.27 | 19.22 | 19.42 |
| Highest CH | - | - | - | - | 4.86 | 4.96 | 9.75 | 9.81 | 14.39 | 14.33 | 18.98 | 18.86 |
| Mode | LTE Band 7 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | - | - | - | - | 4.98 | - | 9.89 | - | 14.24 | - | 19.02 | - |
| Middle CH | - | - | - | - | 4.87 | - | 9.71 | - | 14.24 | - | 18.66 | - |
| Highest CH | - | - | - | - | 4.84 | - | 9.83 | - | 14.36 | - | 19.18 | - |



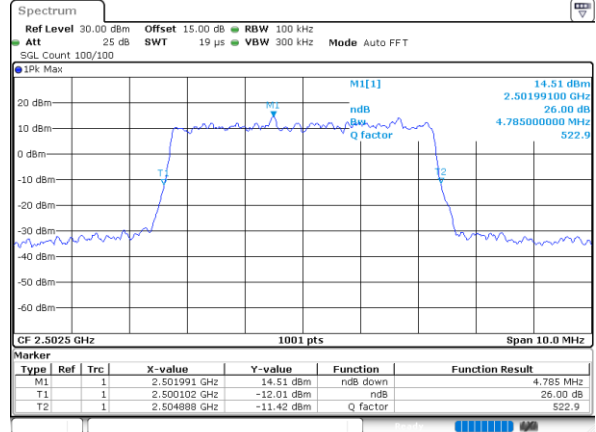
LTE Band 7

Lowest Channel / 5MHz / QPSK



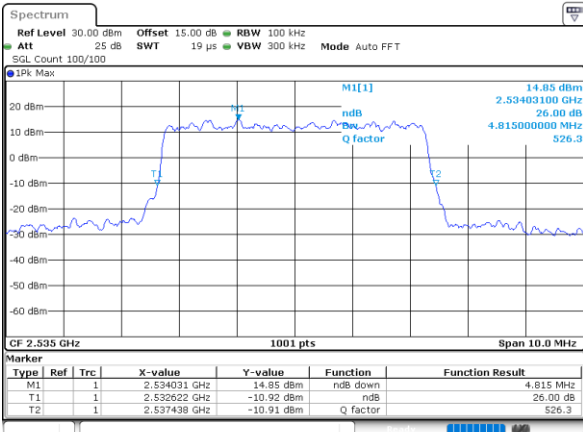
Date: 3,SEP,2021 15:39:47

Lowest Channel / 5MHz / 16QAM



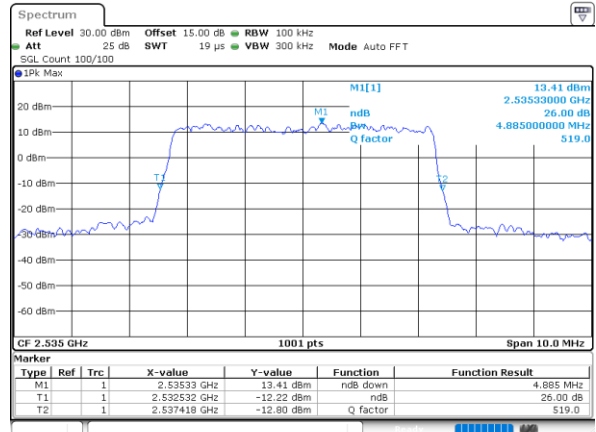
Date: 3,SEP,2021 15:39:58

Middle Channel / 5MHz / QPSK



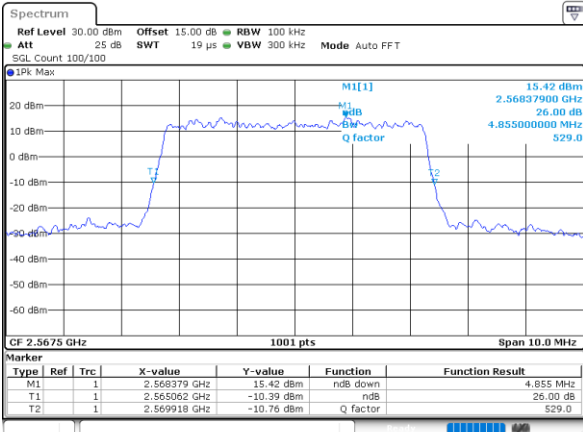
Date: 3,SEP,2021 15:46:18

Middle Channel / 5MHz / 16QAM



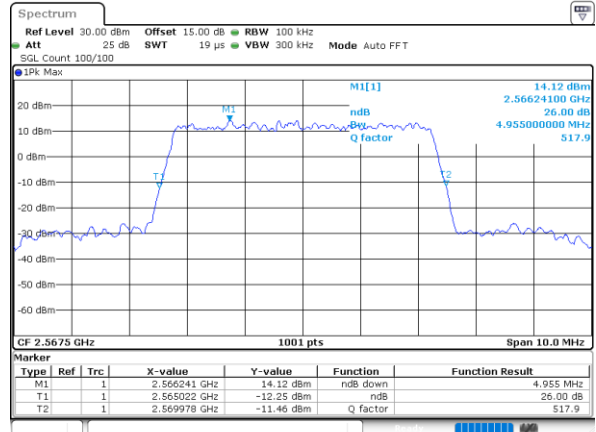
Date: 3,SEP,2021 15:46:29

Highest Channel / 5MHz / QPSK



Date: 3,SEP,2021 15:48:31

Highest Channel / 5MHz / 16QAM

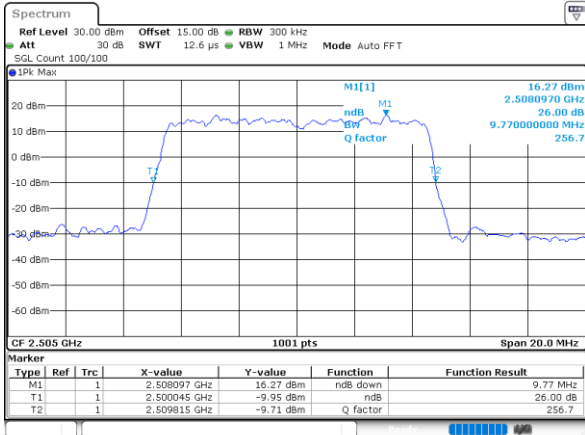


Date: 3,SEP,2021 15:48:42



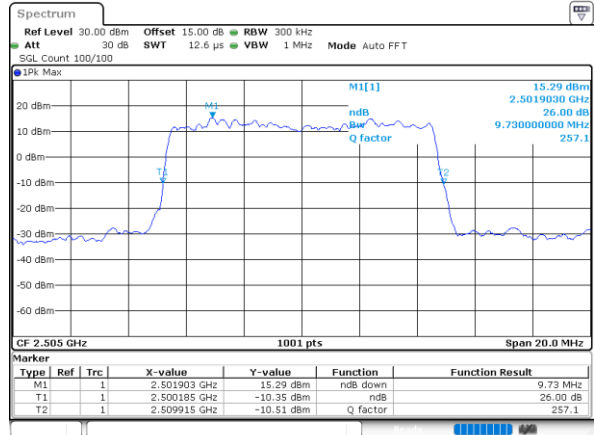
LTE Band 7

Lowest Channel / 10MHz / QPSK



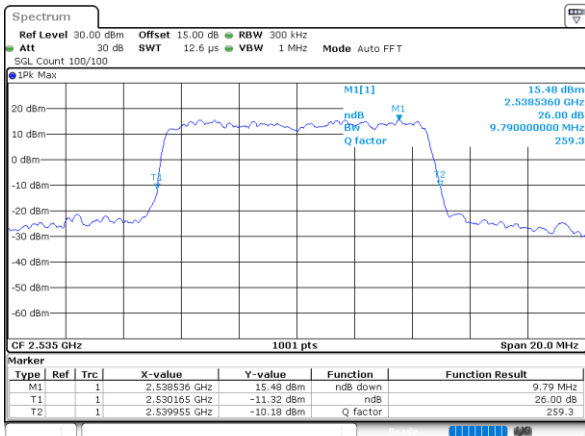
Date: 3,SEP,2021 16:02:37

Lowest Channel / 10MHz / 16QAM



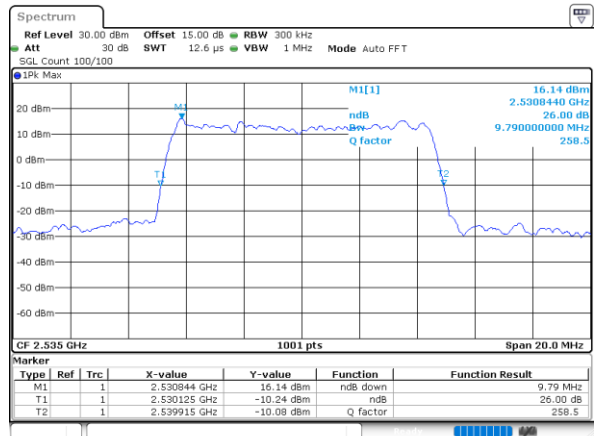
Date: 3,SEP,2021 16:02:48

Middle Channel / 10MHz / QPSK



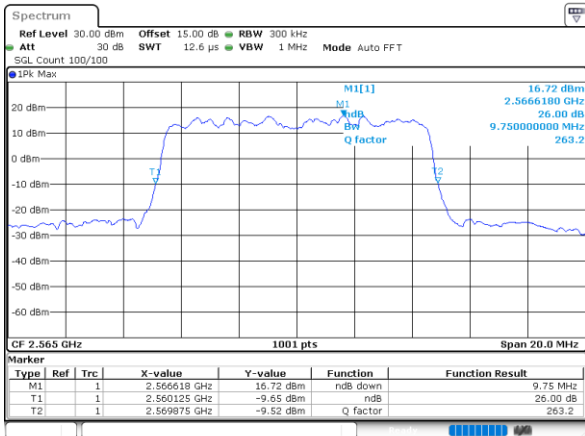
Date: 3,SEP,2021 16:09:07

Middle Channel / 10MHz / 16QAM



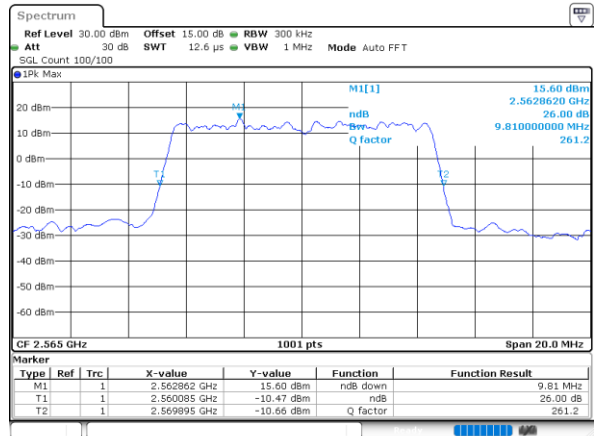
Date: 3,SEP,2021 16:09:18

Highest Channel / 10MHz / QPSK



Date: 3,SEP,2021 16:11:19

Highest Channel / 10MHz / 16QAM

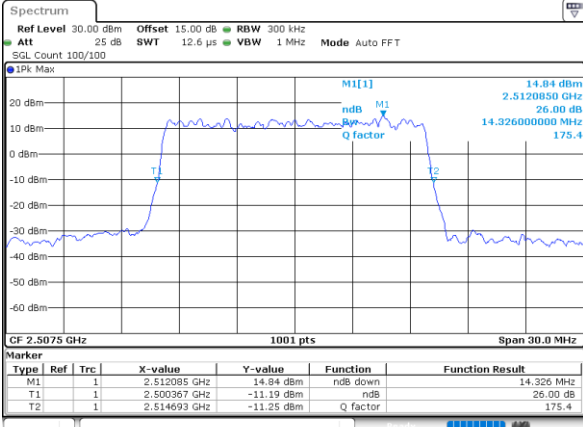


Date: 3,SEP,2021 16:11:30



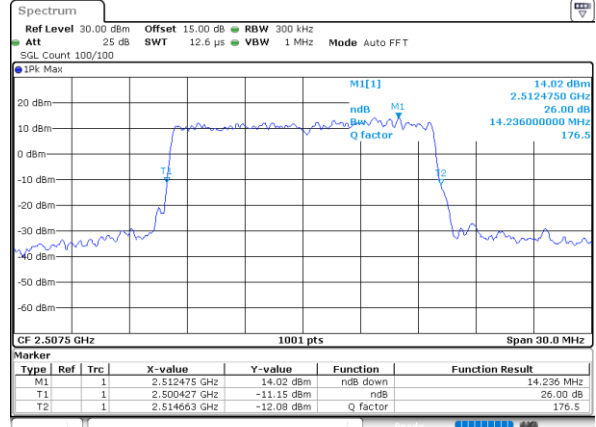
LTE Band 7

Lowest Channel / 15MHz / QPSK



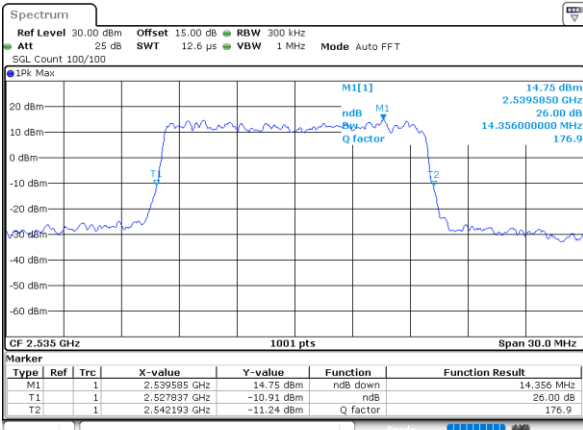
Date: 3,SEP,2021 16:25:25

Lowest Channel / 15MHz / 16QAM



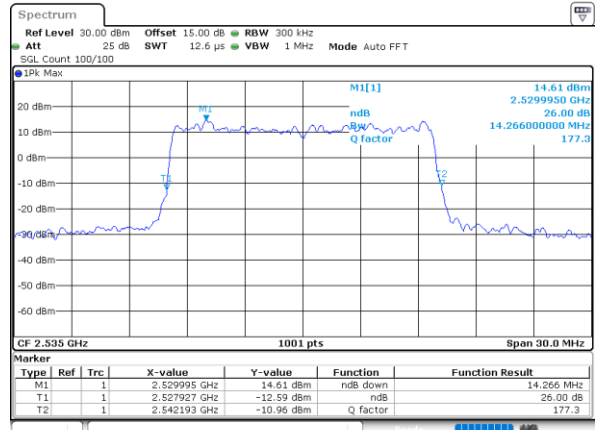
Date: 3,SEP,2021 16:25:37

Middle Channel / 15MHz / QPSK



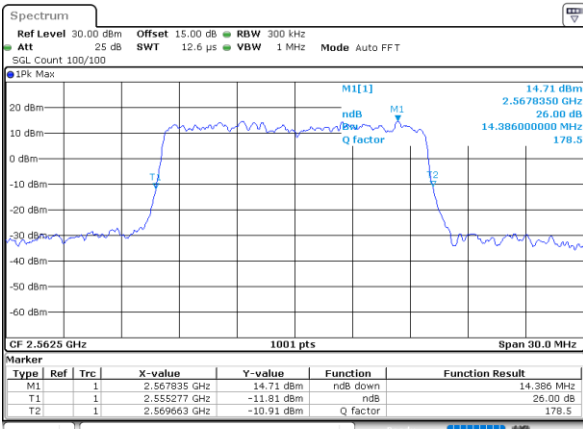
Date: 3,SEP,2021 17:11:49

Middle Channel / 15MHz / 16QAM



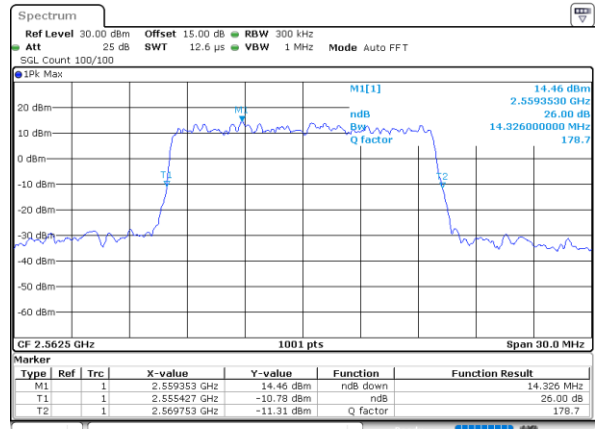
Date: 3,SEP,2021 17:12:00

Highest Channel / 15MHz / QPSK



Date: 3,SEP,2021 17:11:402

Highest Channel / 15MHz / 16QAM

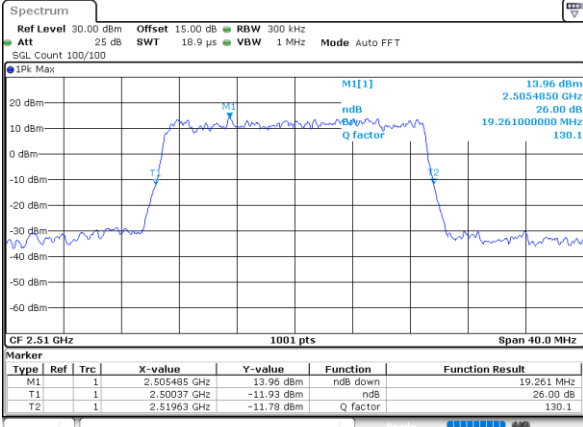


Date: 3,SEP,2021 17:14:14



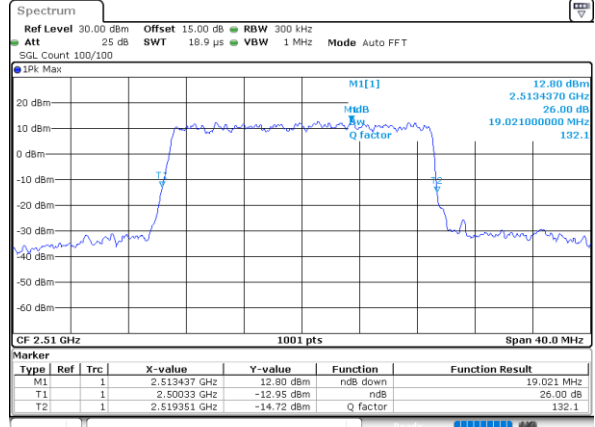
LTE Band 7

Lowest Channel / 20MHz / QPSK



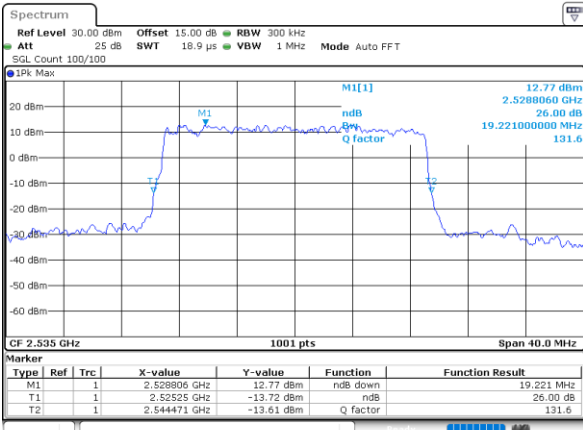
Date: 8,SEP,2021 13:53:02

Lowest Channel / 20MHz / 16QAM



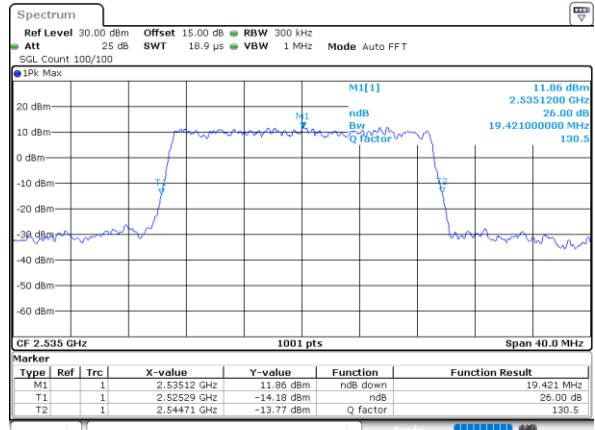
Date: 8,SEP,2021 13:58:52

Middle Channel / 20MHz / QPSK



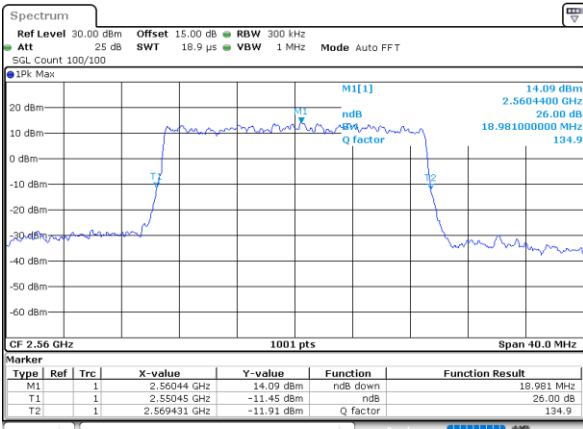
Date: 8,SEP,2021 17:34:46

Middle Channel / 20MHz / 16QAM



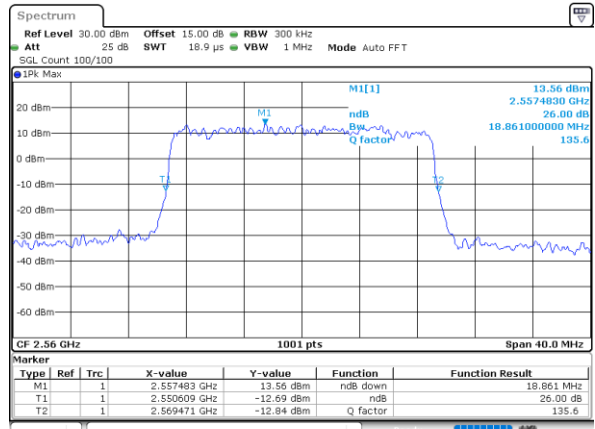
Date: 8,SEP,2021 17:34:57

Highest Channel / 20MHz / QPSK



Date: 8,SEP,2021 14:29:06

Highest Channel / 20MHz / 16QAM

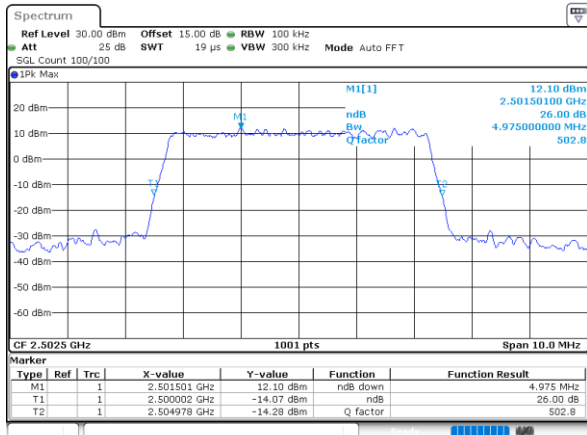


Date: 8,SEP,2021 14:26:35



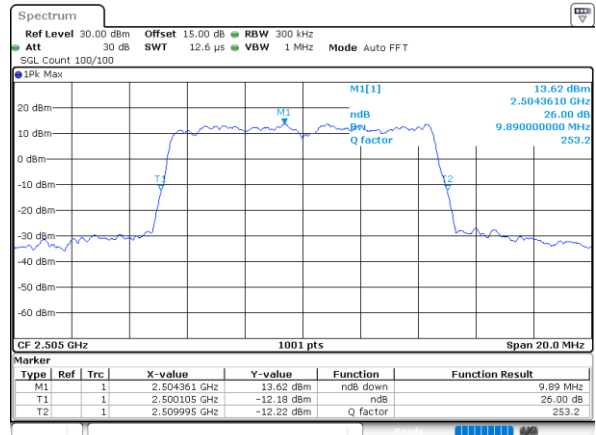
LTE Band 7

Lowest Channel / 5MHz / 64QAM



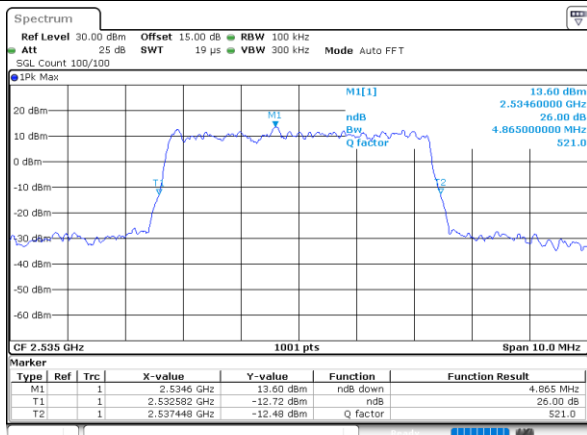
Date: 3,SEP,2021 15:54:49

Lowest Channel / 10MHz / 64QAM



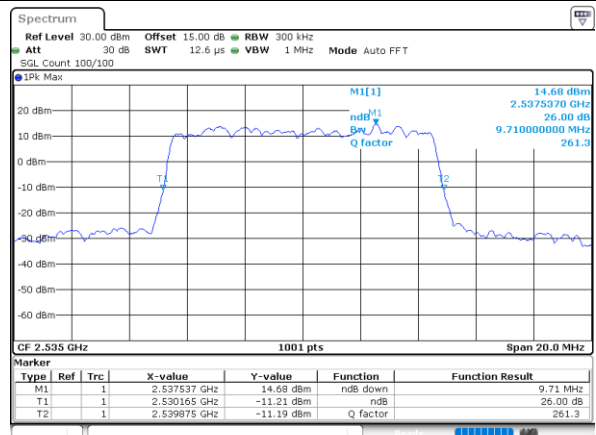
Date: 3,SEP,2021 16:17:38

Middle Channel / 5MHz / 64QAM



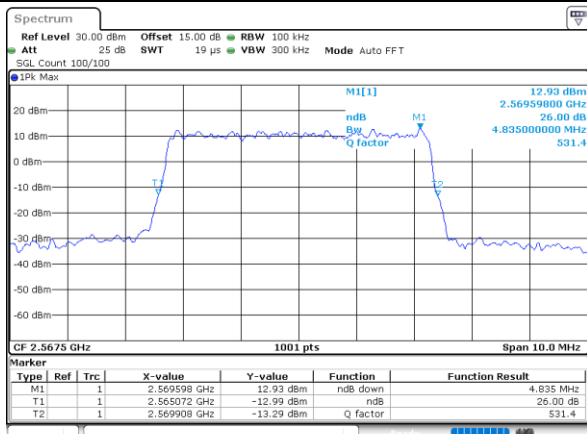
Date: 3,SEP,2021 15:58:05

Middle Channel / 10MHz / 64QAM



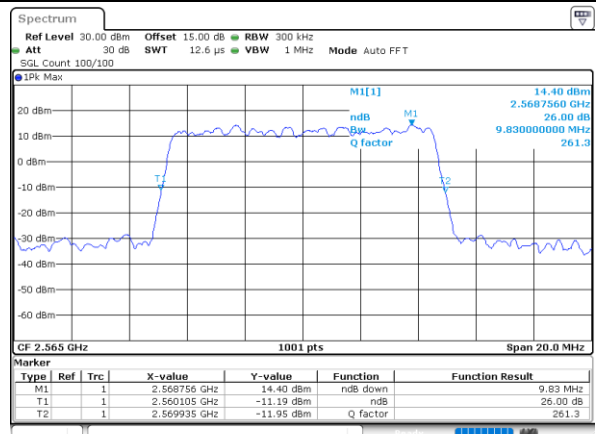
Date: 3,SEP,2021 16:20:53

Highest Channel / 5MHz / 64QAM



Date: 3,SEP,2021 15:59:11

Highest Channel / 10MHz / 64QAM

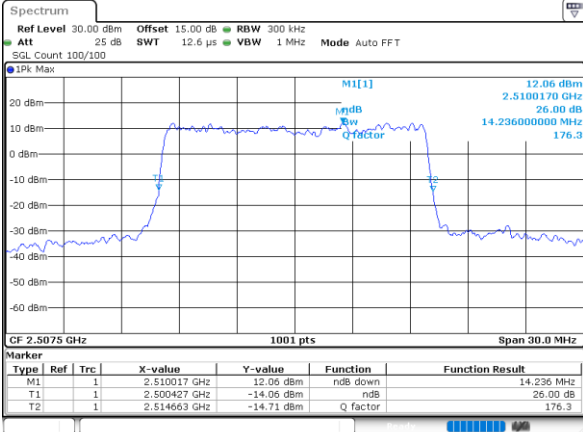


Date: 3,SEP,2021 16:21:59



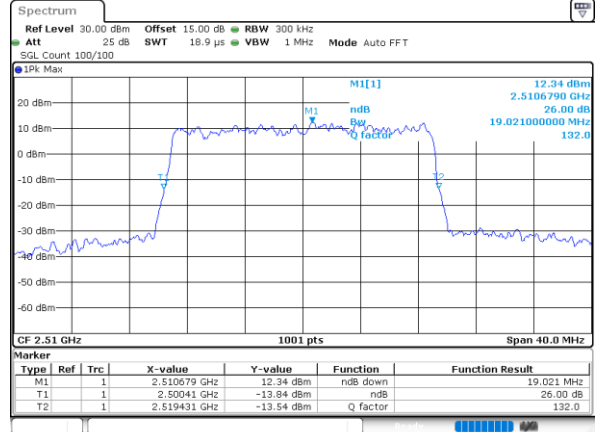
LTE Band 7

Lowest Channel / 15MHz / 64QAM



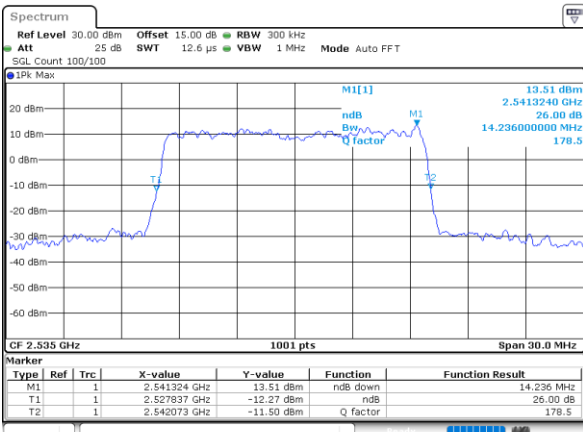
Date: 3,SEP,2021 17:20:23

Lowest Channel / 20MHz / 64QAM



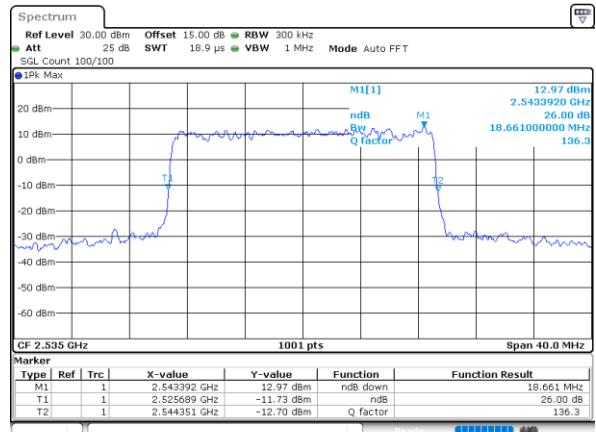
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Middle Channel / 15MHz / 64QAM



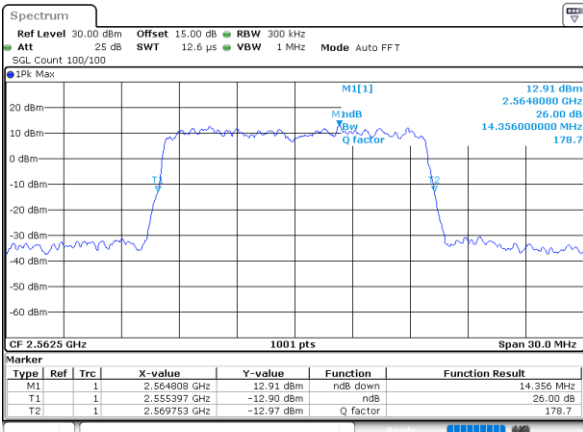
Date: 3,SEP,2021 17:23:39

Middle Channel / 20MHz / 64QAM



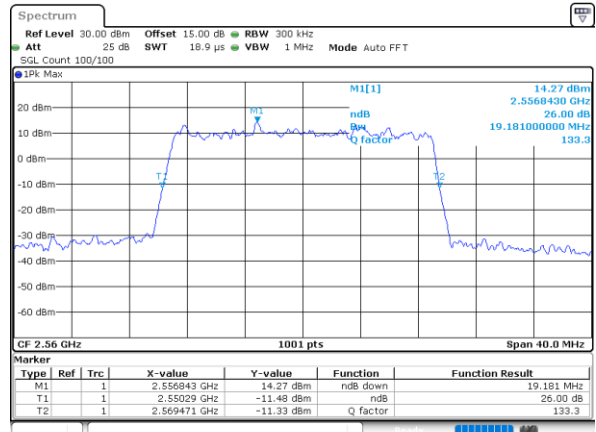
Date: 8,SEP,2021 14:04:39

Highest Channel / 15MHz / 64QAM



Date: 3,SEP,2021 17:24:46

Highest Channel / 20MHz / 64QAM



Date: 8,SEP,2021 14:05:35



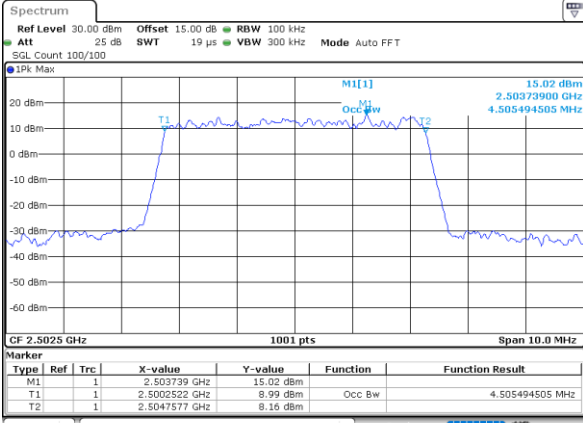
Occupied Bandwidth

| Mode | LTE Band 7 : 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 | - | - | - | - | 4.51 | 4.50 | 9.09 | 8.99 | 13.52 | 13.43 | 17.90 | 17.82 |
| Middle CH | - | - | - | - | 4.49 | 4.50 | 9.09 | 9.01 | 13.43 | 13.46 | 17.82 | 17.90 |
| Highest CH | - | - | - | - | 4.49 | 4.49 | 8.99 | 9.03 | 13.43 | 13.52 | 17.86 | 17.94 |
| Mode | LTE Band 7 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | - | - | - | - | 4.49 | - | 9.09 | - | 13.40 | - | 17.78 | - |
| Middle CH | - | - | - | - | 4.54 | - | 9.05 | - | 13.49 | - | 17.90 | - |
| Highest CH | - | - | - | - | 4.50 | - | 9.01 | - | 13.43 | - | 17.90 | - |



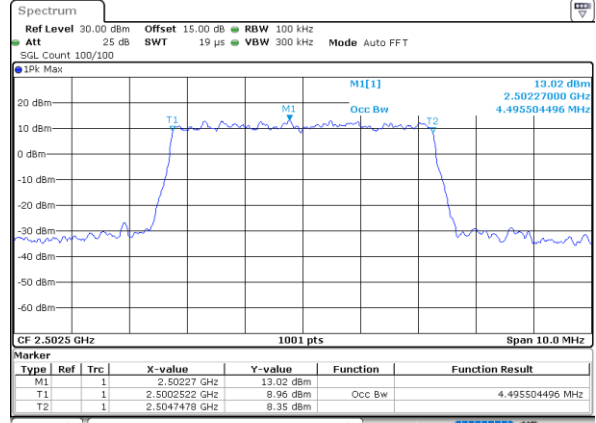
LTE Band 7

Lowest Channel / 5MHz / QPSK



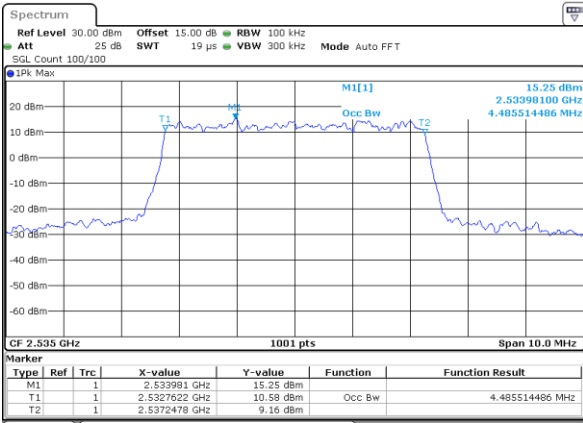
Date: 3,SEP,2021 15:39:25

Lowest Channel / 5MHz / 16QAM



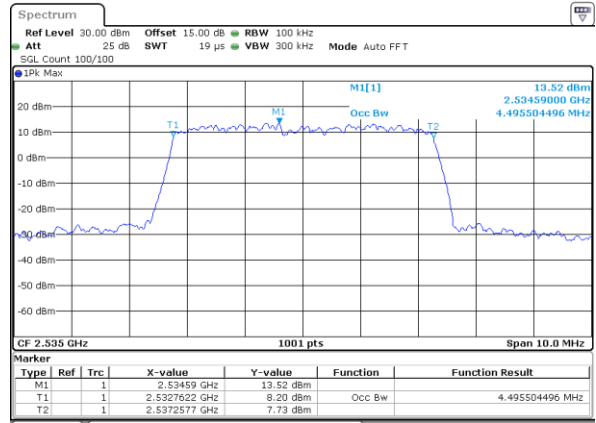
Date: 3,SEP,2021 15:39:36

Middle Channel / 5MHz / QPSK



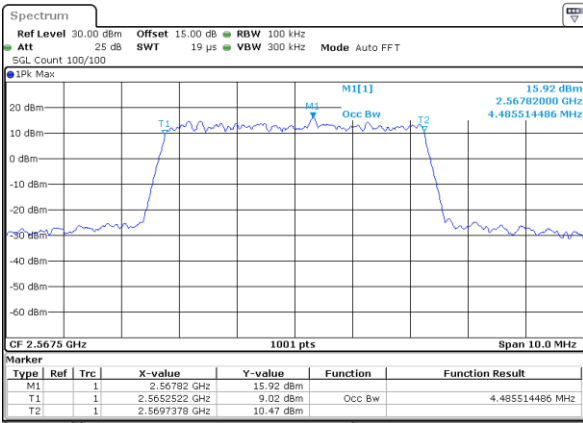
Date: 3,SEP,2021 15:40:56

Middle Channel / 5MHz / 16QAM



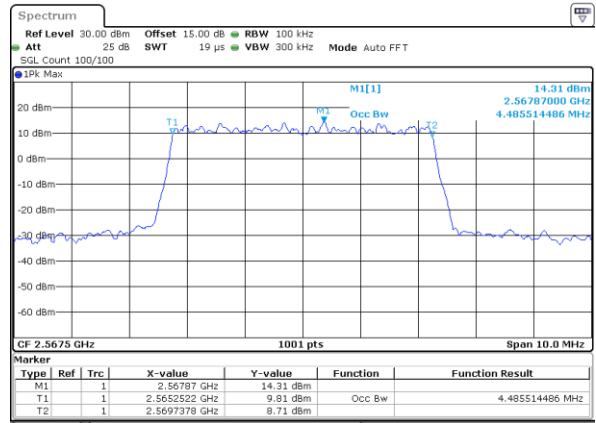
Date: 3,SEP,2021 15:40:07

Highest Channel / 5MHz / QPSK



Date: 3,SEP,2021 15:48:08

Highest Channel / 5MHz / 16QAM

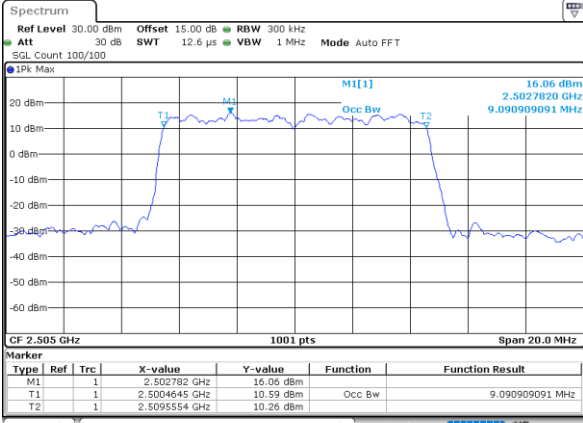


Date: 3,SEP,2021 15:48:20



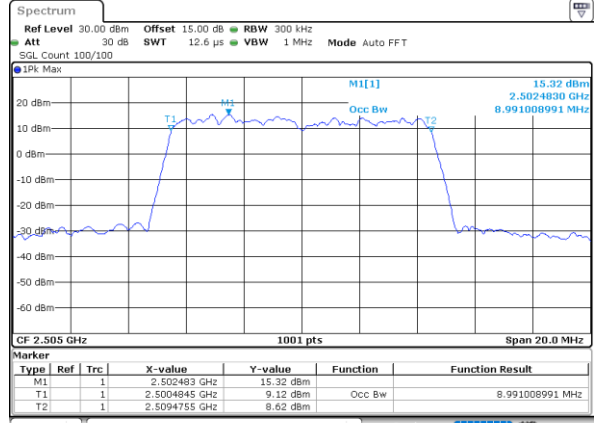
LTE Band 7

Lowest Channel / 10MHz / QPSK



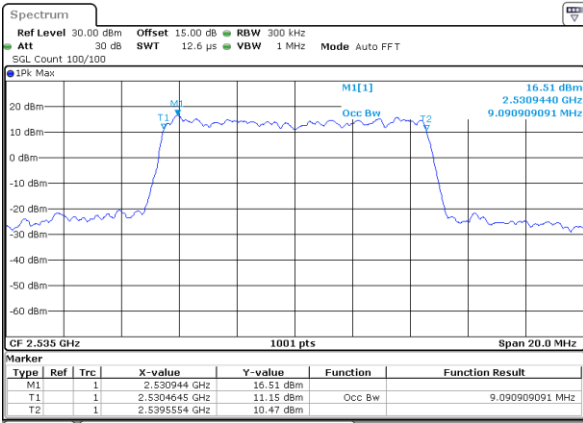
Date: 3,SEP,2021 16:02:15

Lowest Channel / 10MHz / 16QAM



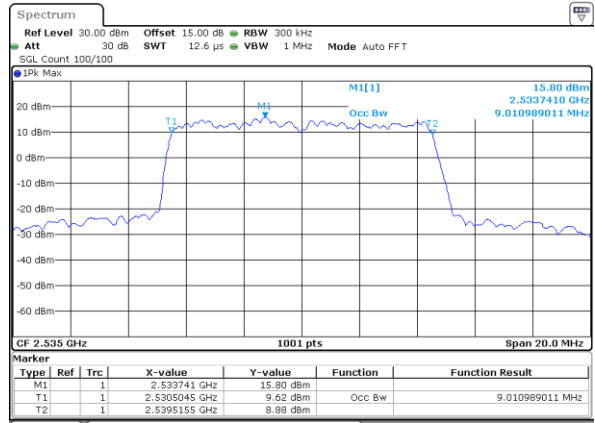
Date: 3,SEP,2021 16:02:26

Middle Channel / 10MHz / QPSK



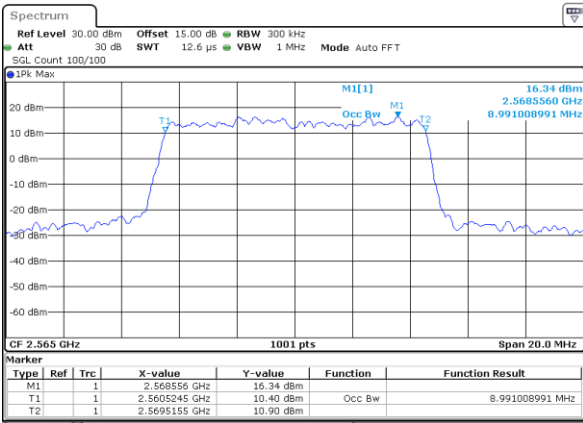
Date: 3,SEP,2021 16:08:45

Middle Channel / 10MHz / 16QAM



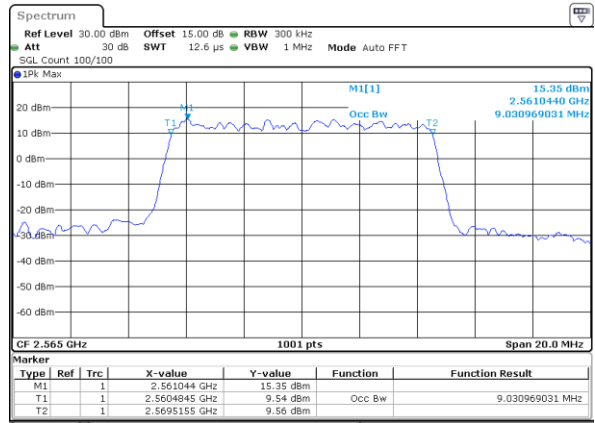
Date: 3,SEP,2021 16:08:56

Highest Channel / 10MHz / QPSK



Date: 3,SEP,2021 16:10:57

Highest Channel / 10MHz / 16QAM

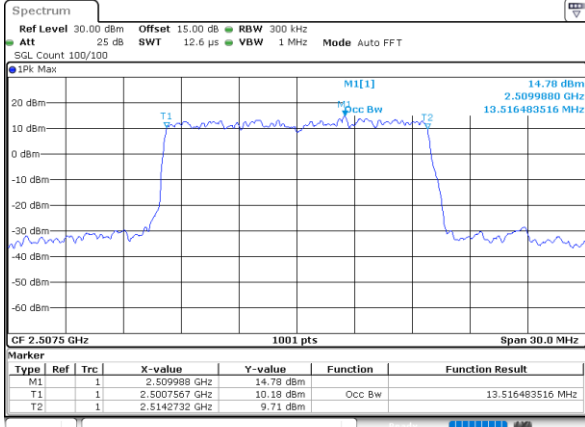


Date: 3,SEP,2021 16:11:08



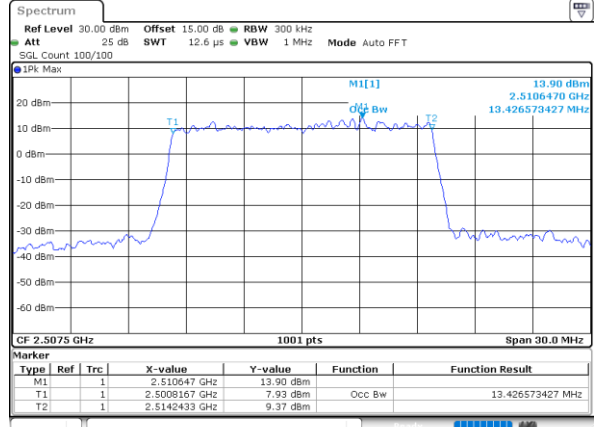
LTE Band 7

Lowest Channel / 15MHz / QPSK



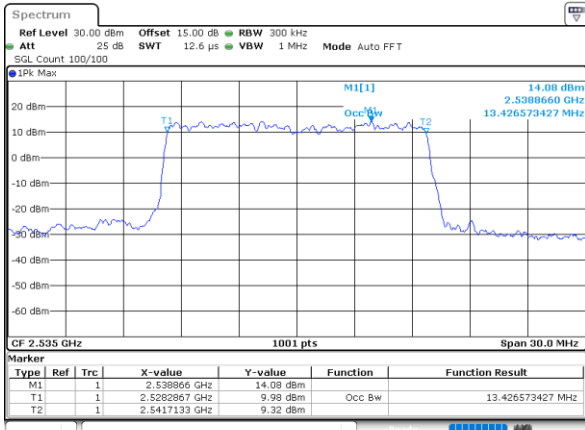
Date: 3,SEP,2021 16:25:03

Lowest Channel / 15MHz / 16QAM



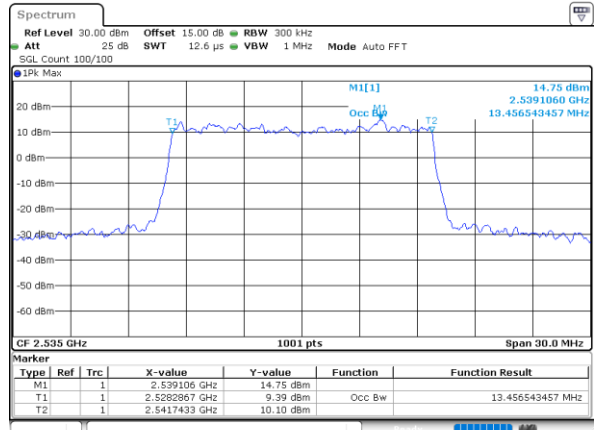
Date: 3,SEP,2021 16:25:14

Middle Channel / 15MHz / QPSK



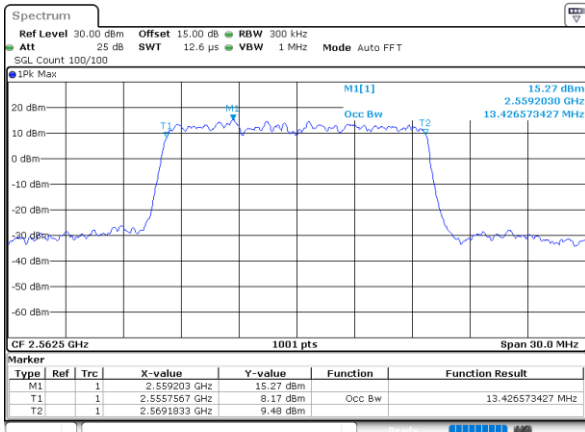
Date: 3,SEP,2021 17:11:27

Middle Channel / 15MHz / 16QAM



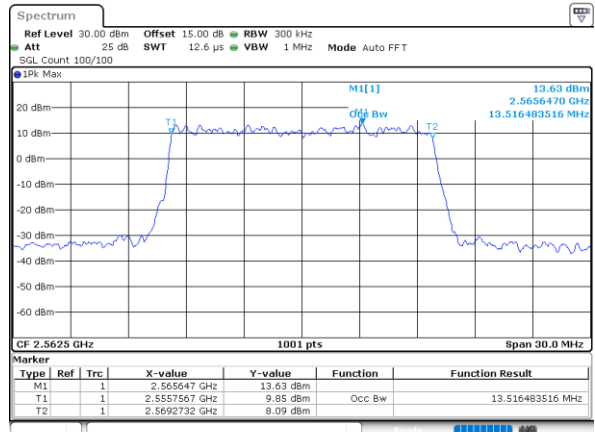
Date: 3,SEP,2021 17:11:38

Highest Channel / 15MHz / QPSK



Date: 3,SEP,2021 17:13:40

Highest Channel / 15MHz / 16QAM

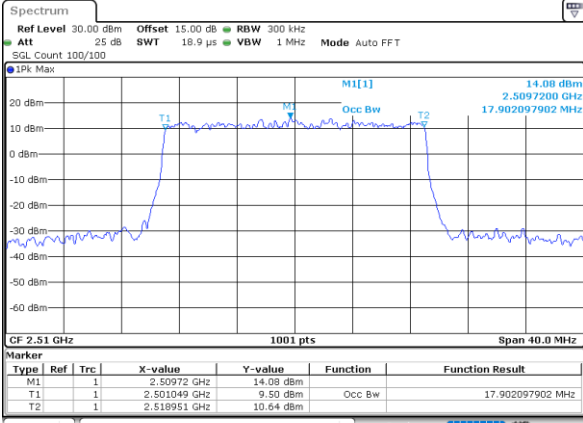


Date: 3,SEP,2021 17:13:51



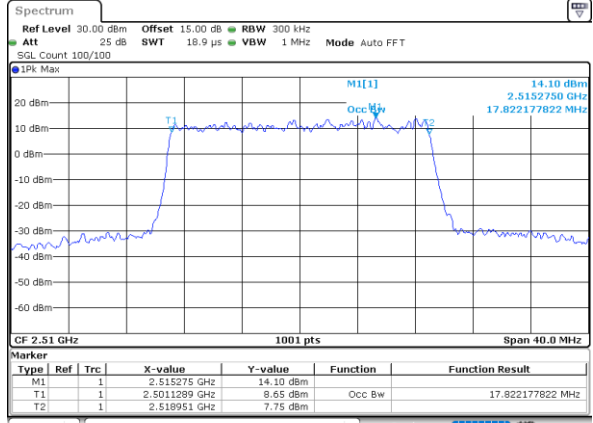
LTE Band 7

Lowest Channel / 20MHz / QPSK



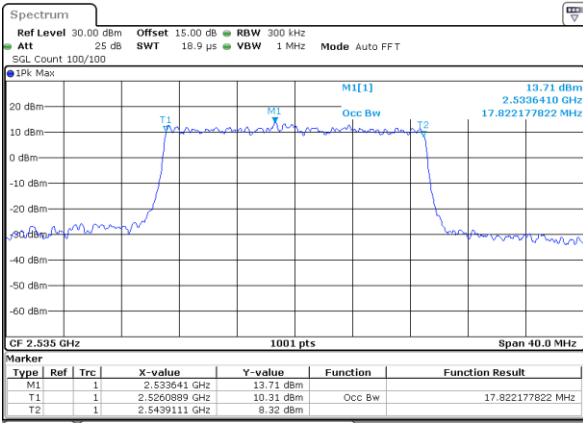
Date: 8,SEP,2021 13:52:53

Lowest Channel / 20MHz / 16QAM



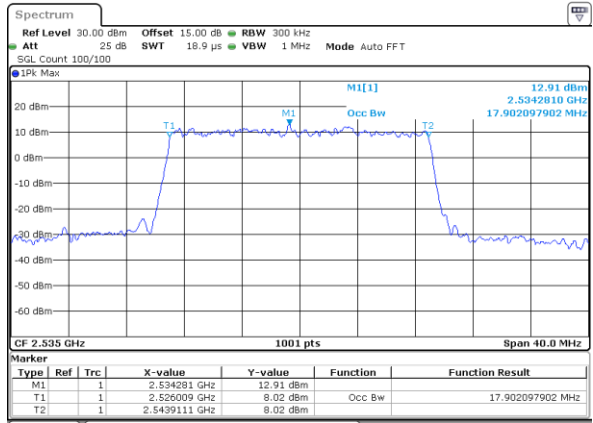
Date: 8,SEP,2021 13:58:43

Middle Channel / 20MHz / QPSK



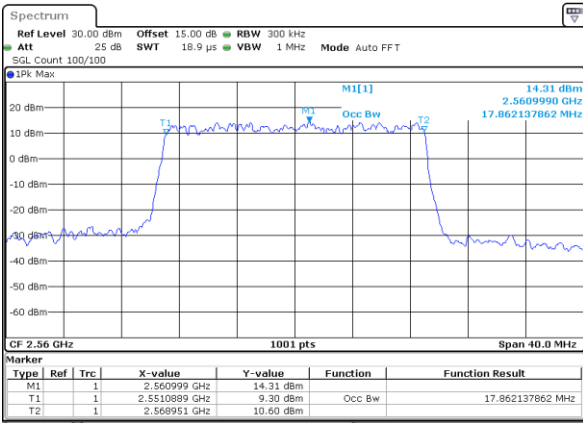
Date: 3,SEP,2021 17:34:23

Middle Channel / 20MHz / 16QAM



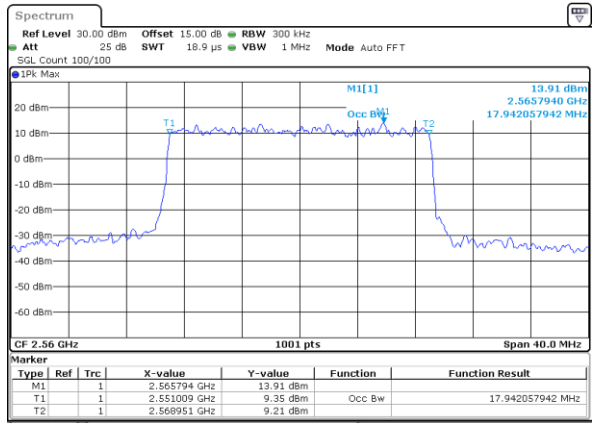
Date: 3,SEP,2021 17:34:35

Highest Channel / 20MHz / QPSK



Date: 8,SEP,2021 14:28:58

Highest Channel / 20MHz / 16QAM



Date: 8,SEP,2021 14:26:22