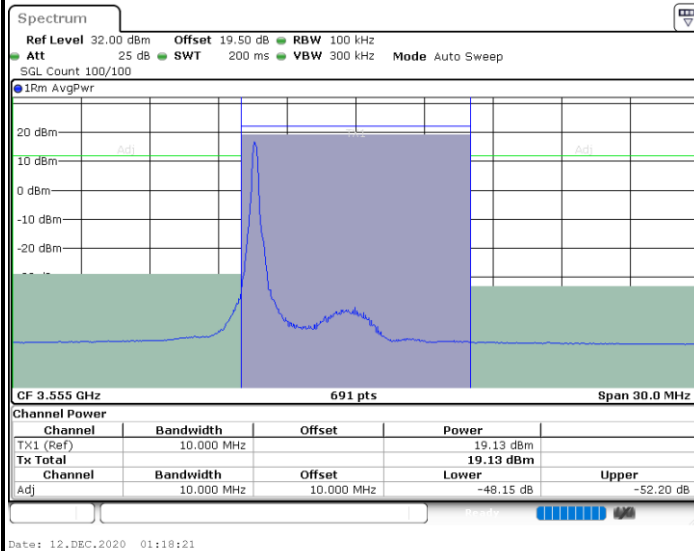




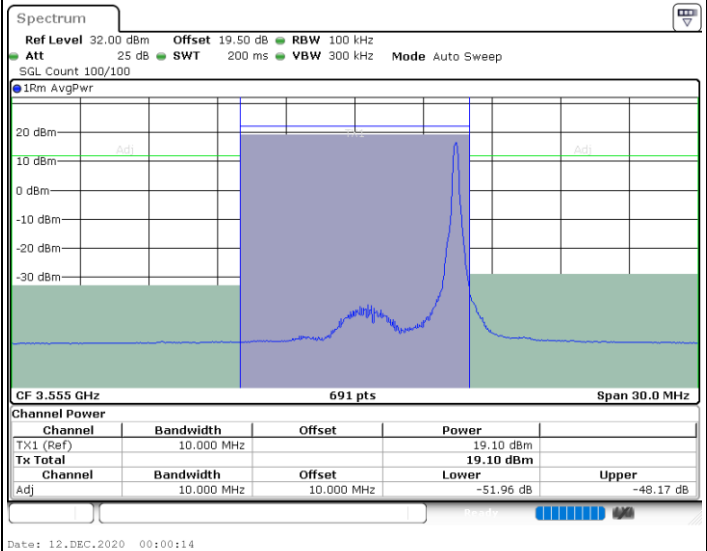
## LTE Band 48 / 10MHz

## 64QAM

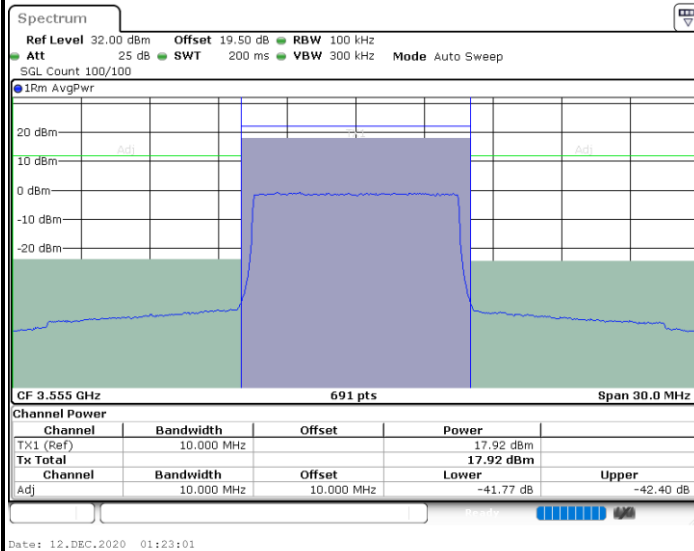
## Lowest Channel / 1RB0



## Lowest Channel / 1RBmax



## Lowest Channel / FullRB



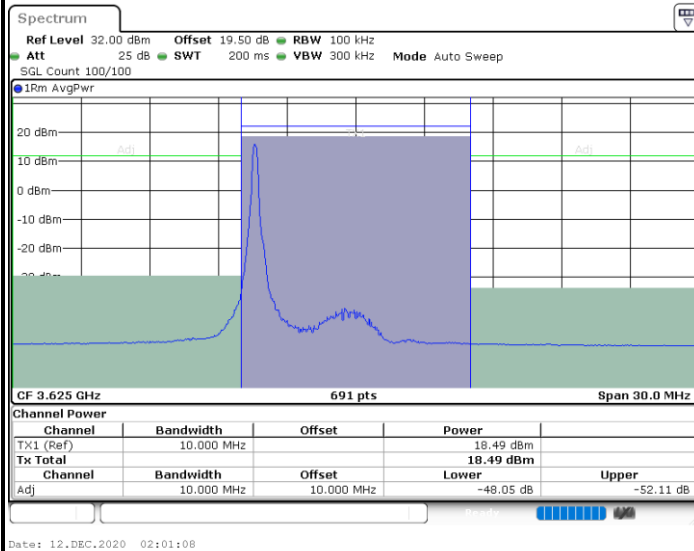
## N/A



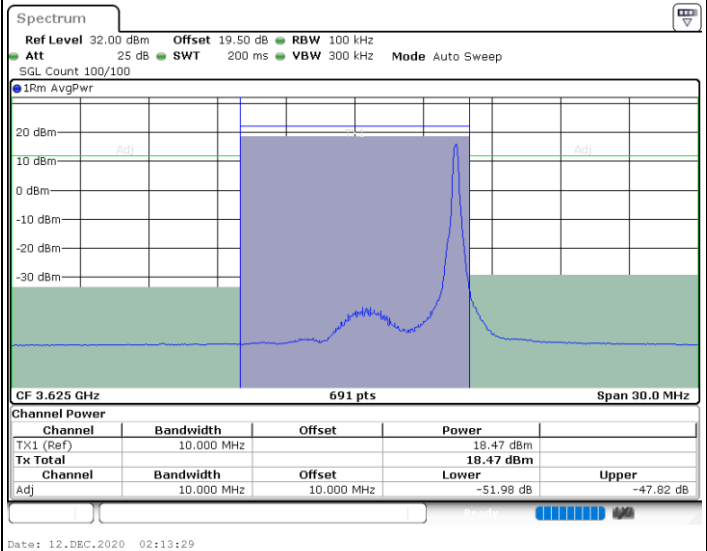
## LTE Band 48 / 10MHz

## 64QAM

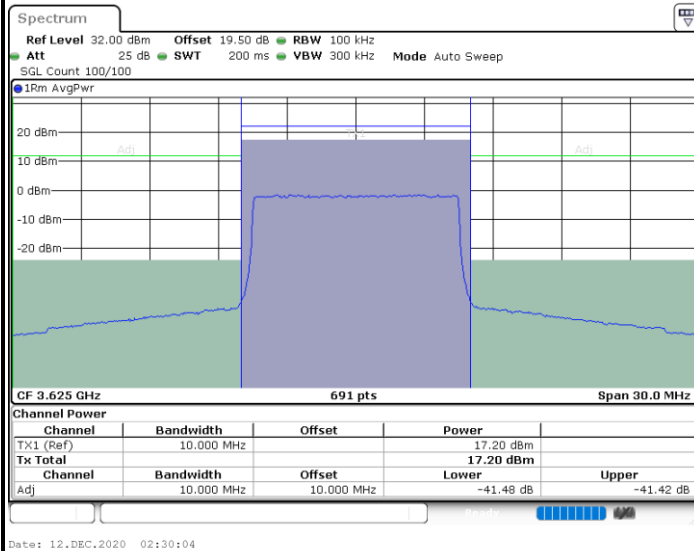
## MiddleChannel / 1RB0



## Middle Channel / 1RBmax



## Middle Channel / FullRB



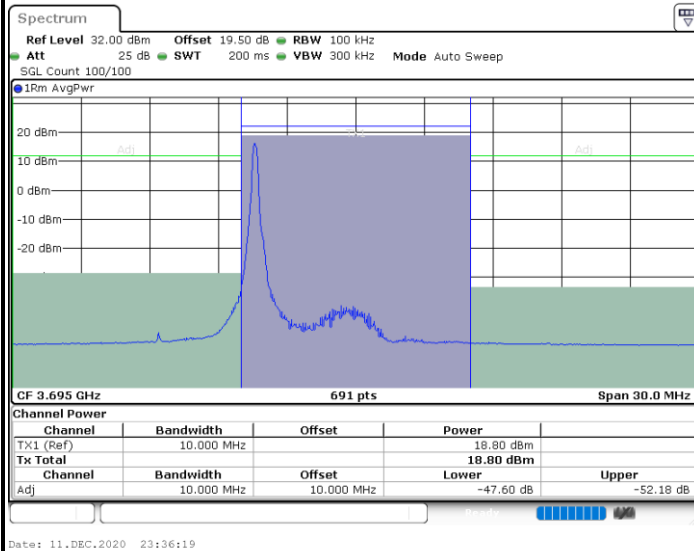
## N/A



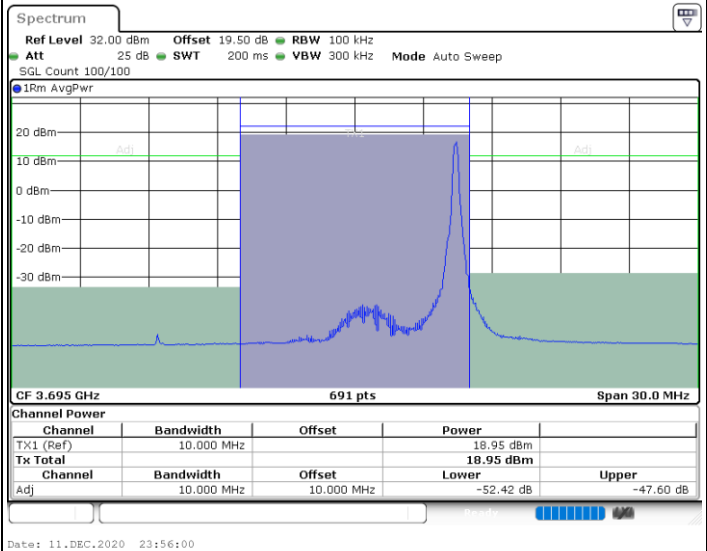
## LTE Band 48 / 10MHz

## 64QAM

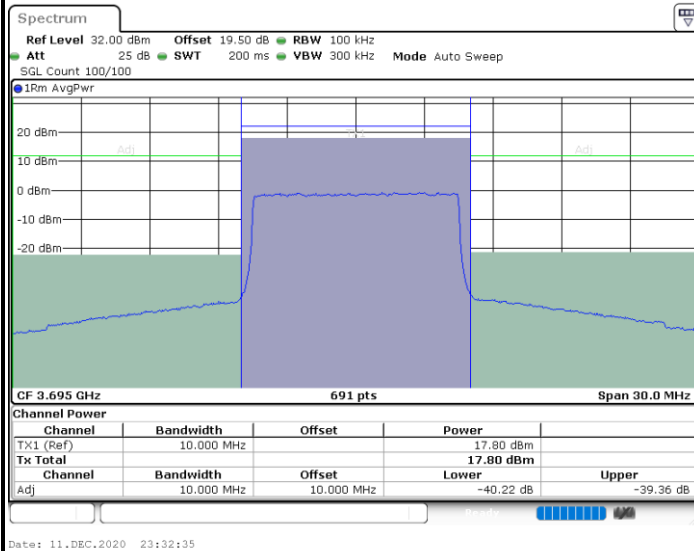
## Highest Channel / 1RB0



## Highest Channel / 1RBmax



## Highest Channel / FullIRB



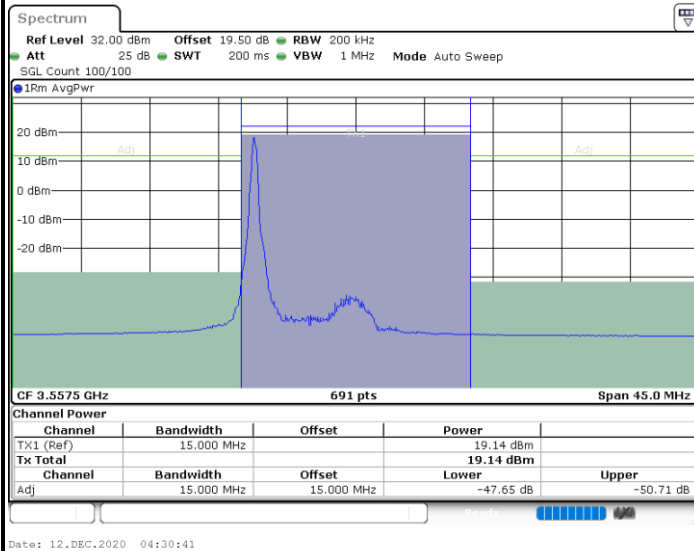
## N/A



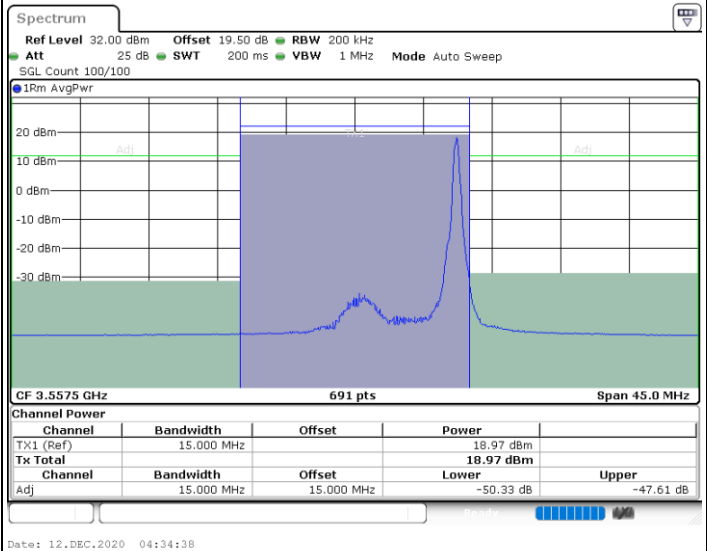
## LTE Band 48 / 15MHz

## 64QAM

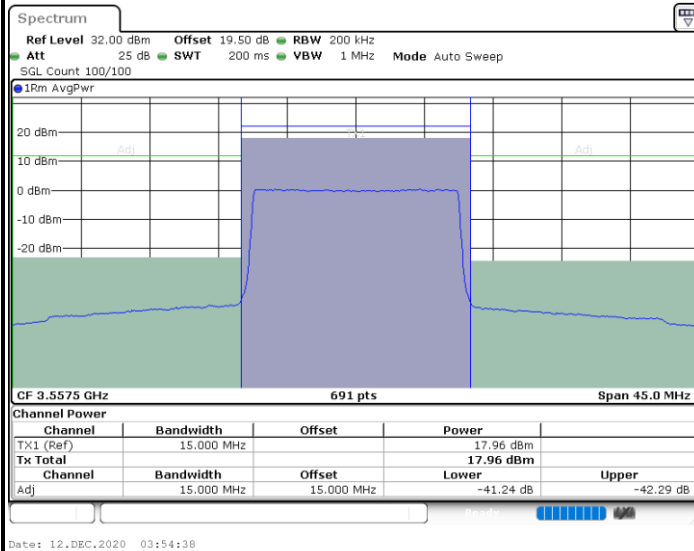
## Lowest Channel / 1RB0



## Lowest Channel / 1RBmax



## Lowest Channel / FullRB



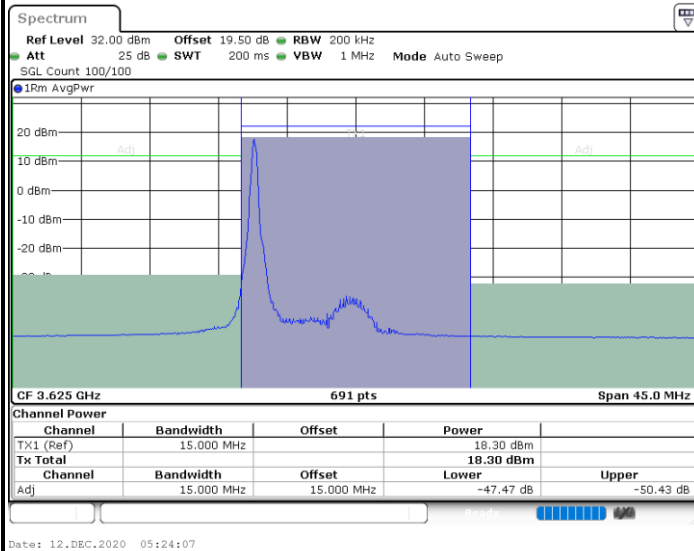
## N/A



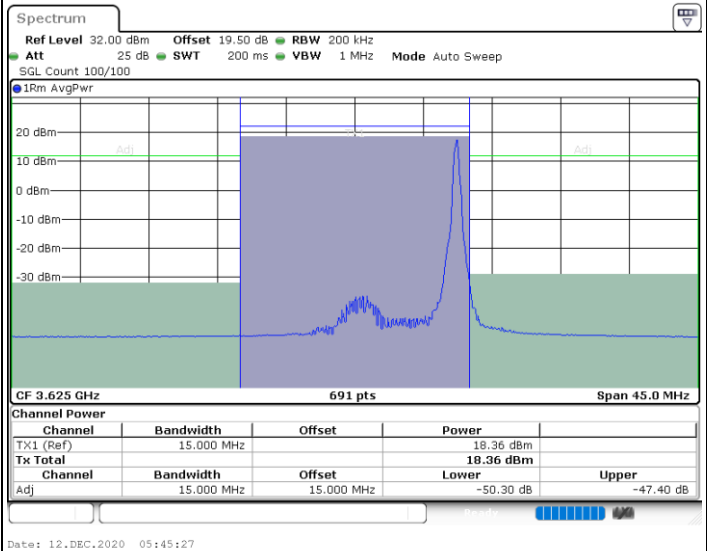
## LTE Band 48 / 15MHz

## 64QAM

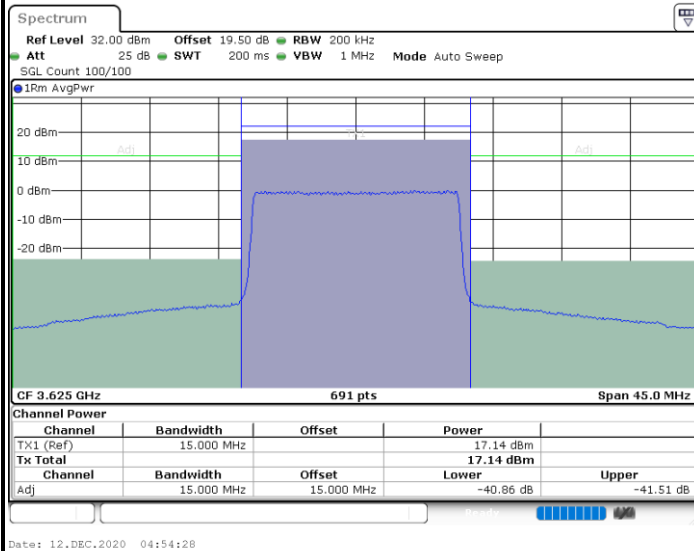
## Middle Channel / 1RB0



## Middle Channel / 1RBmax



## Middle Channel / FullRB



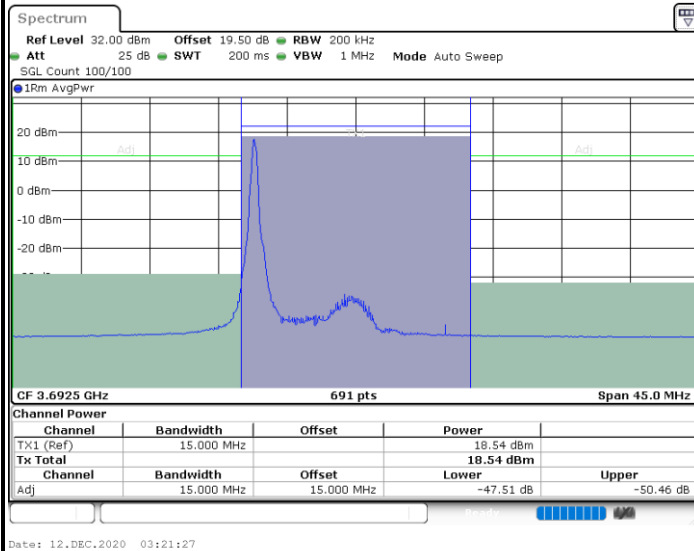
## N/A



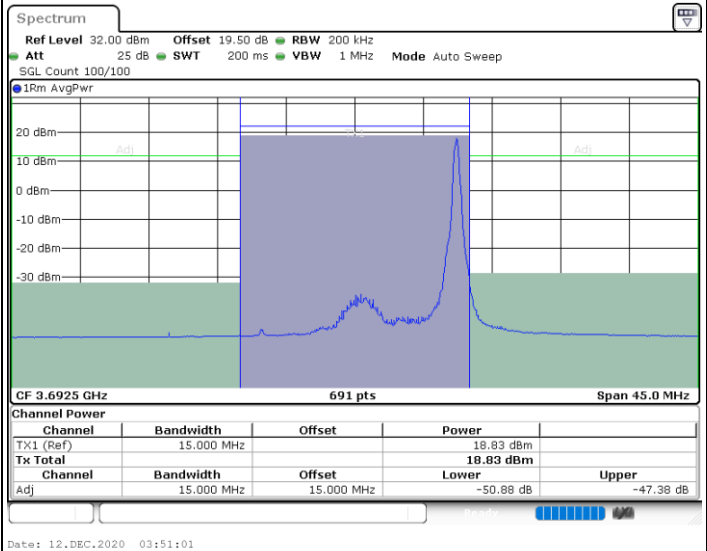
## LTE Band 48 / 15MHz

## 64QAM

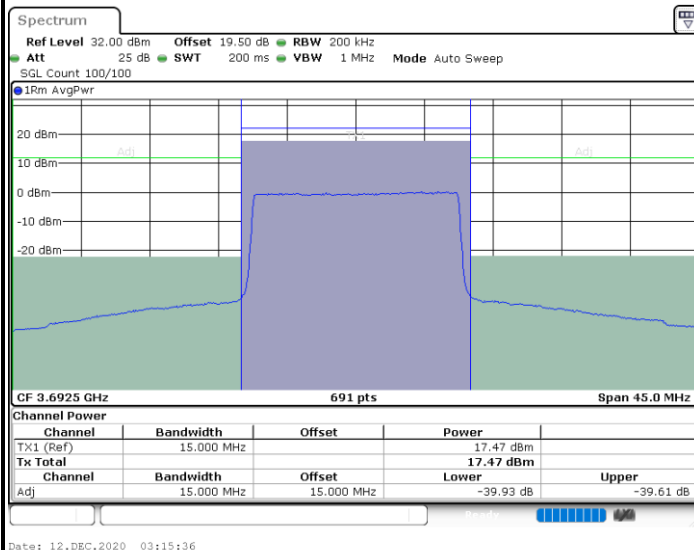
## Highest Channel / 1RB0



## Highest Channel / 1RBmax



## Highest Channel / FullIRB



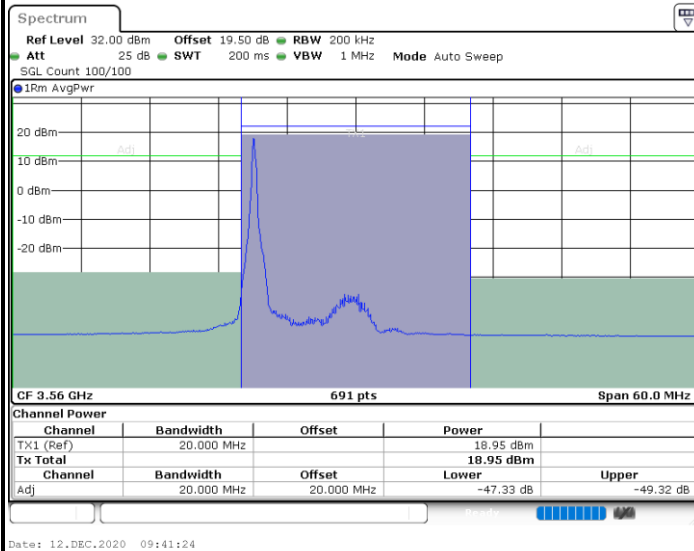
## N/A



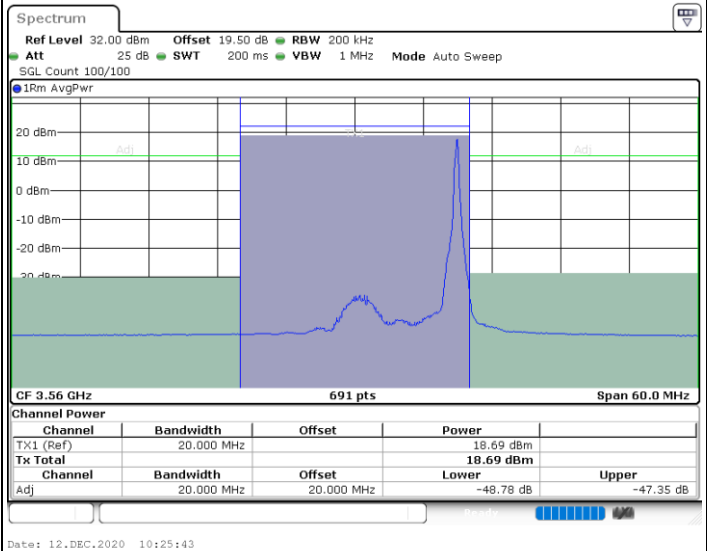
## LTE Band 48 / 20MHz

## 64QAM

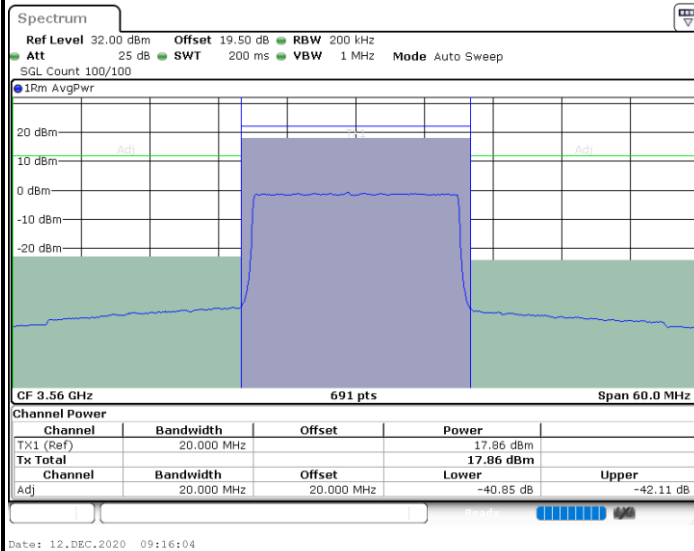
## Lowest Channel / 1RB0



## Lowest Channel / 1RBmax



## Lowest Channel / FullRB



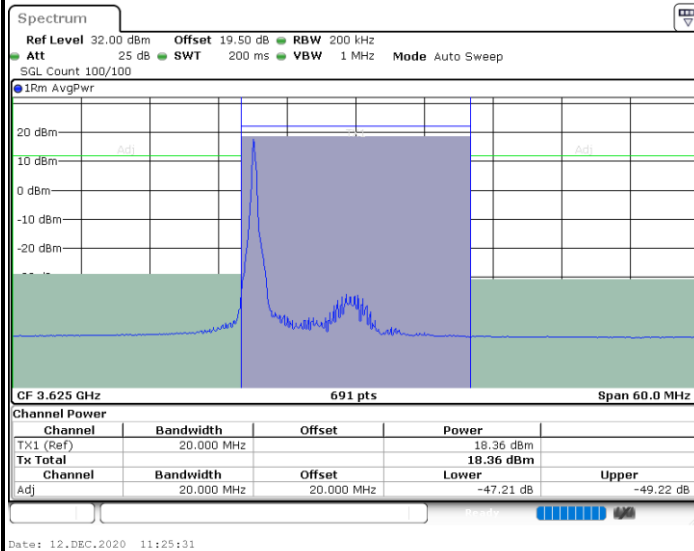
## N/A



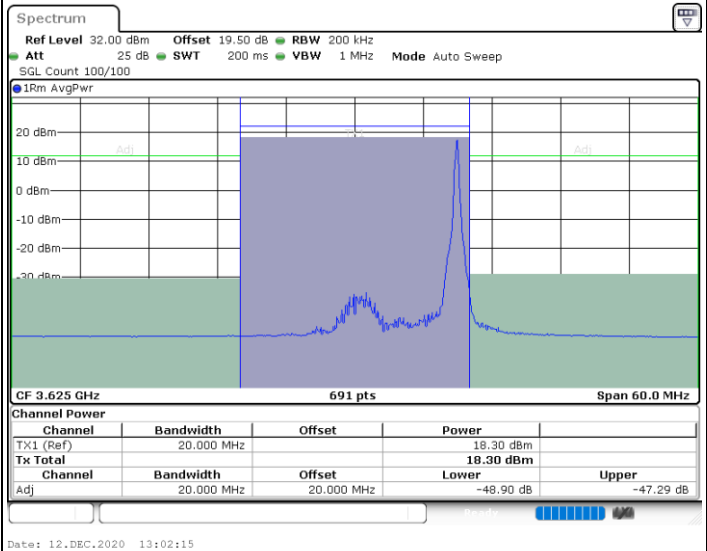
## LTE Band 48 / 20MHz

## 64QAM

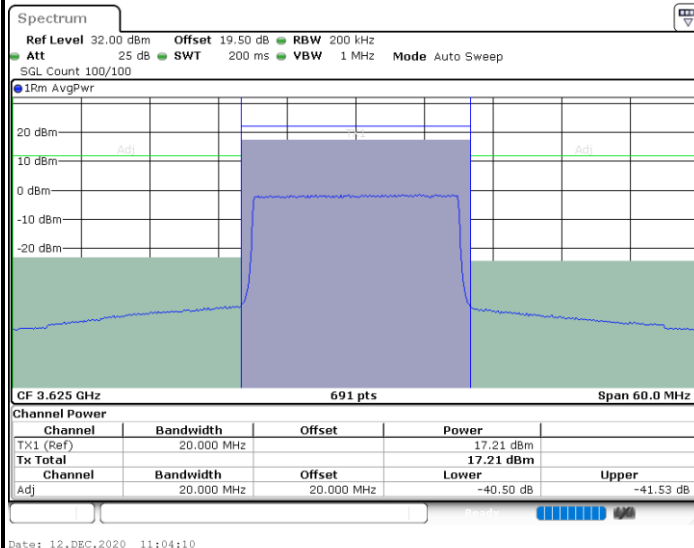
## Middle Channel / 1RB0



## Middle Channel / 1RBmax



## Middle Channel / FullRB



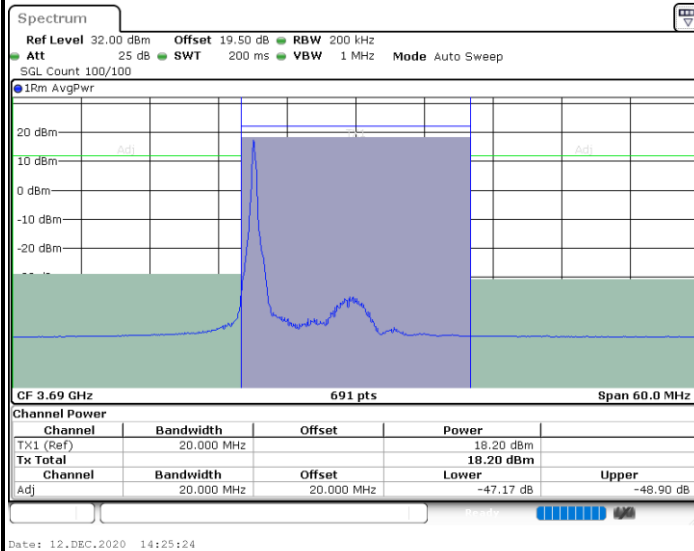
## N/A



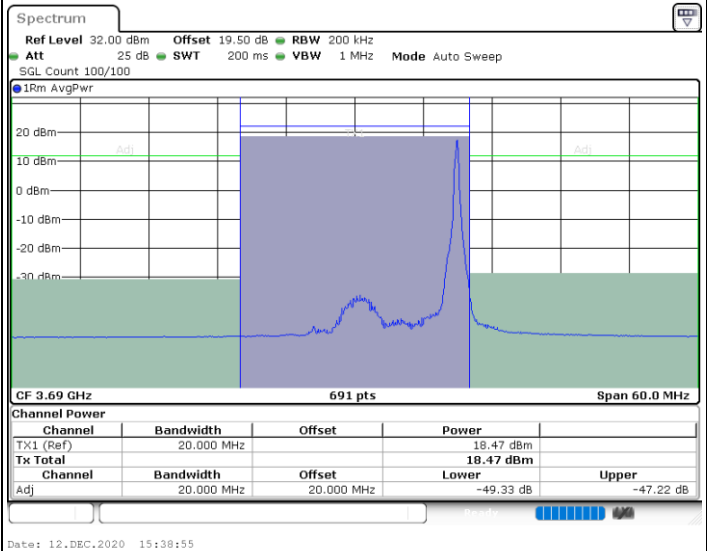
## LTE Band 48 / 20MHz

## 64QAM

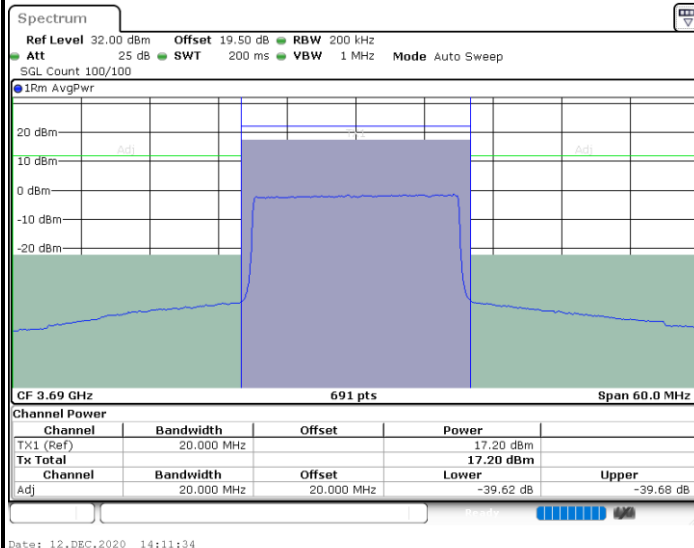
## Highest Channel / 1RB0



## Highest Channel / 1RBmax



## Highest Channel / FullIRB



## N/A

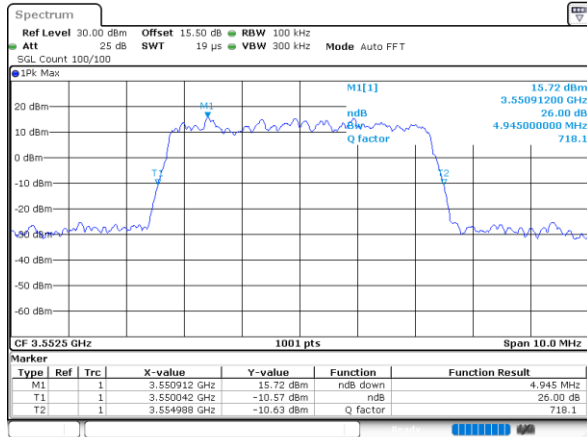
**26dB Bandwidth**

| Mode       | LTE Band 48 : 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  | -                          | -     | -     | -     | 4.95  | 4.88  | 9.69  | 9.75  | 14.39 | 14.12 | 18.82 | 18.62 |
| Middle CH  | -                          | -     | -     | -     | 4.87  | 4.81  | 9.65  | 9.69  | 14.24 | 14.45 | 18.62 | 18.66 |
| Highest CH | -                          | -     | -     | -     | 4.77  | 4.89  | 9.65  | 9.77  | 14.42 | 14.33 | 18.82 | 19.18 |
| Mode       | LTE Band 48 : 26dB BW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                     |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                      |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                          | -     | -     | -     | 4.84  | -     | 9.69  | -     | 14.36 | -     | 18.94 | -     |
| Middle CH  | -                          | -     | -     | -     | 4.77  | -     | 9.93  | -     | 14.69 | -     | 18.66 | -     |
| Highest CH | -                          | -     | -     | -     | 4.90  | -     | 9.85  | -     | 14.09 | -     | 19.14 | -     |



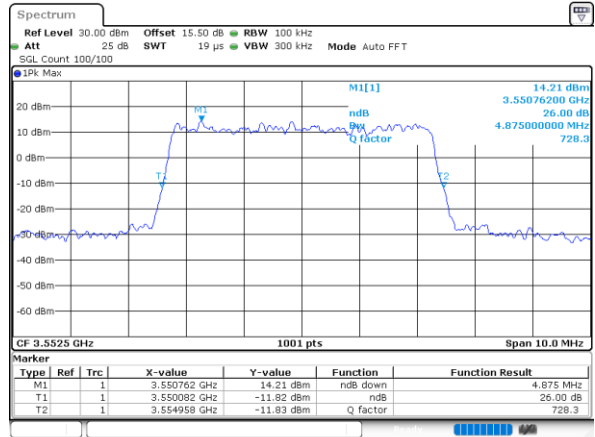
## LTE Band 48

## Lowest Channel / 5MHz / QPSK



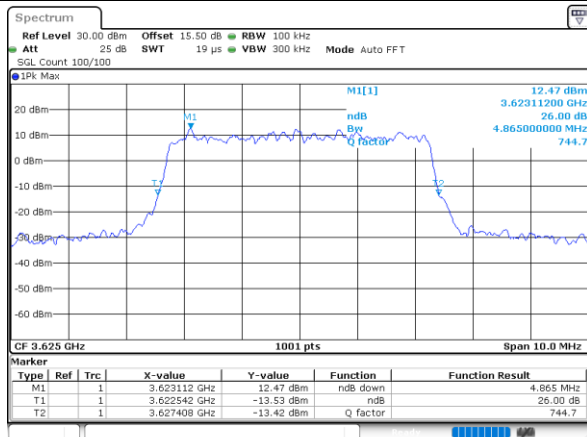
Date: 11.DEC.2020 19:22:13

## Lowest Channel / 5MHz / 16QAM



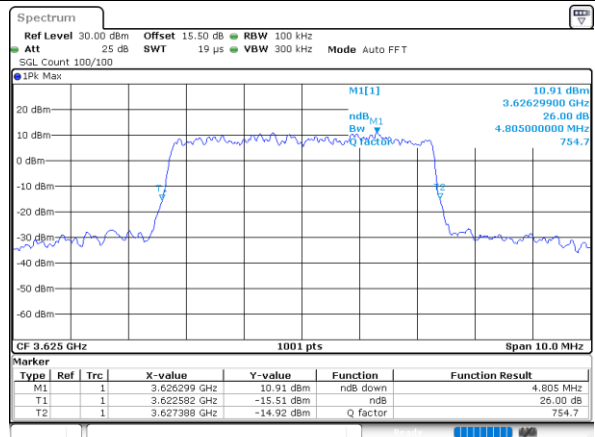
Date: 11.DEC.2020 19:26:00

## Middle Channel / 5MHz / QPSK



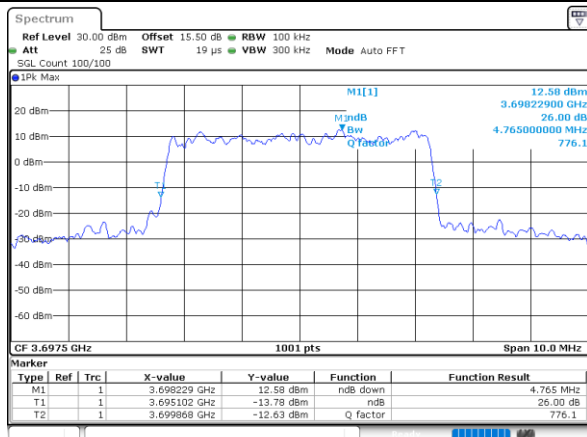
Date: 11.DEC.2020 21:37:24

## Middle Channel / 5MHz / 16QAM



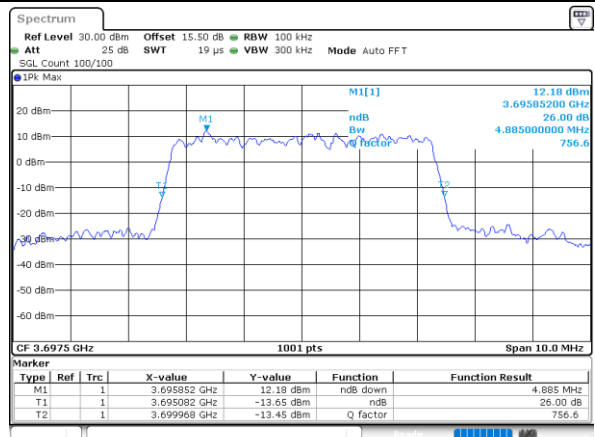
Date: 11.DEC.2020 21:36:51

## Highest Channel / 5MHz / QPSK



Date: 11.DEC.2020 21:38:22

## Highest Channel / 5MHz / 16QAM

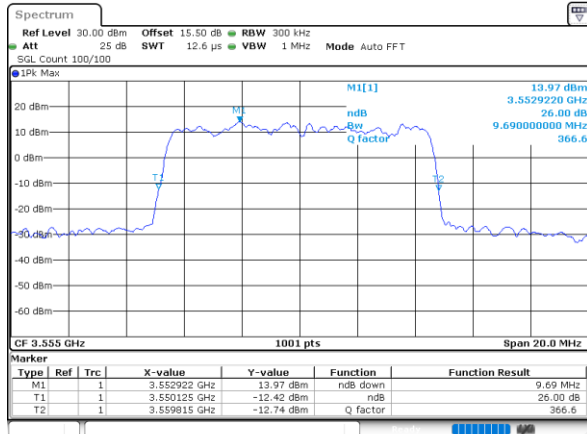


Date: 11.DEC.2020 21:38:40



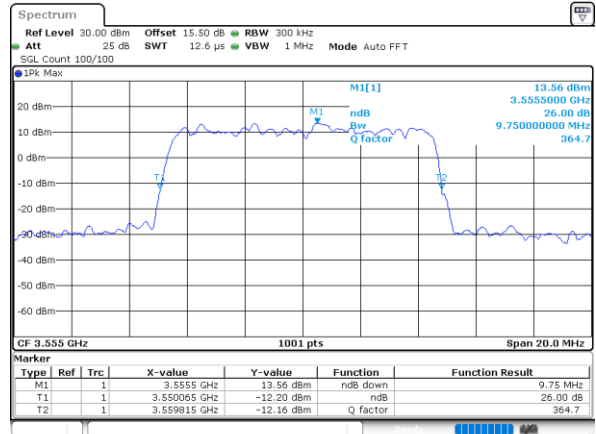
## LTE Band 48

## Lowest Channel / 10MHz / QPSK



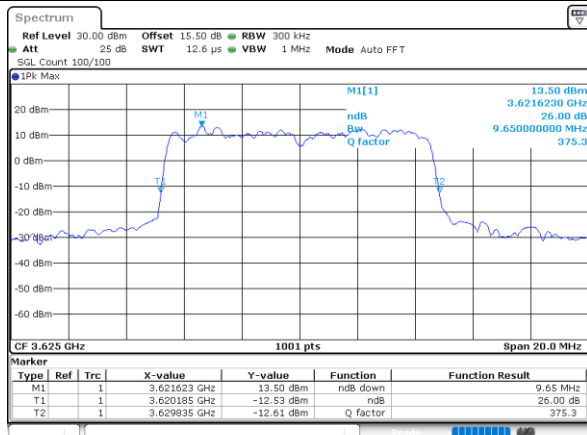
Date: 11.DEC.2020 23:14:35

## Lowest Channel / 10MHz / 16QAM



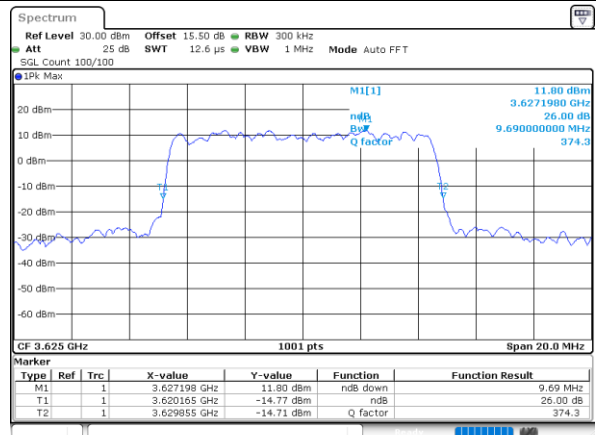
Date: 11.DEC.2020 23:15:00

## Middle Channel / 10MHz / QPSK



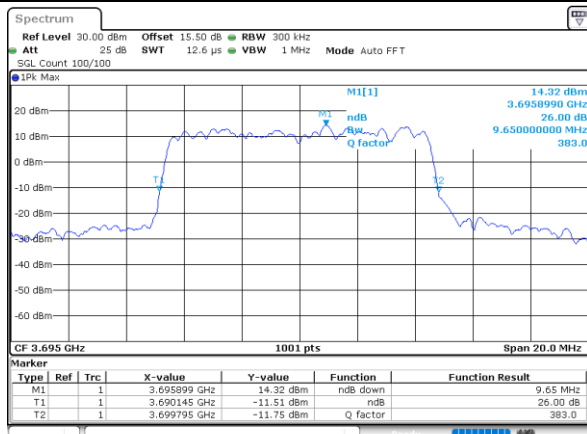
Date: 11.DEC.2020 23:13:52

## Middle Channel / 10MHz / 16QAM



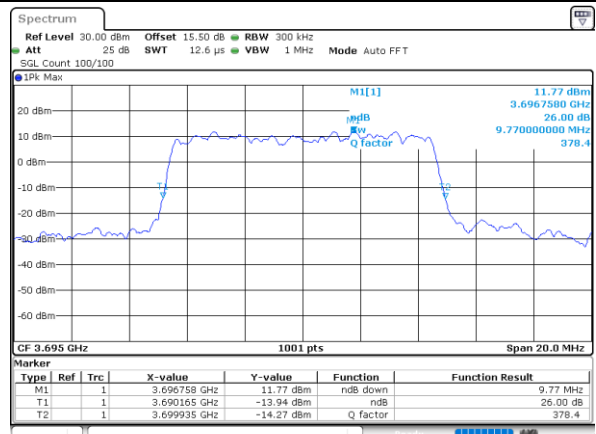
Date: 11.DEC.2020 23:13:33

## Highest Channel / 10MHz / QPSK



Date: 11.DEC.2020 23:17:20

## Highest Channel / 10MHz / 16QAM

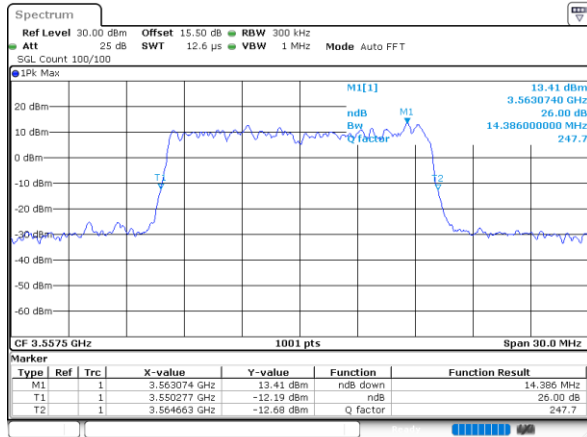


Date: 11.DEC.2020 23:17:01

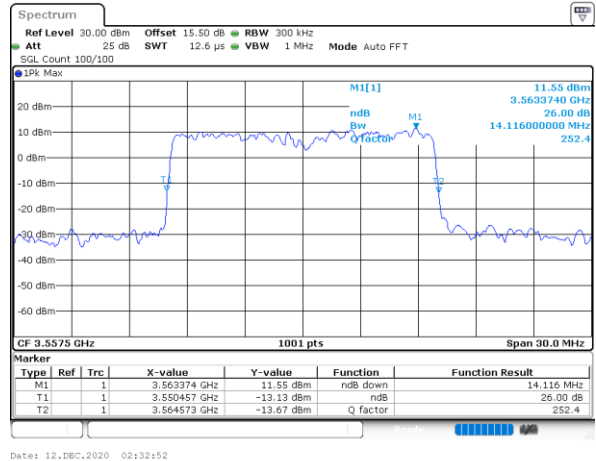


## LTE Band 48

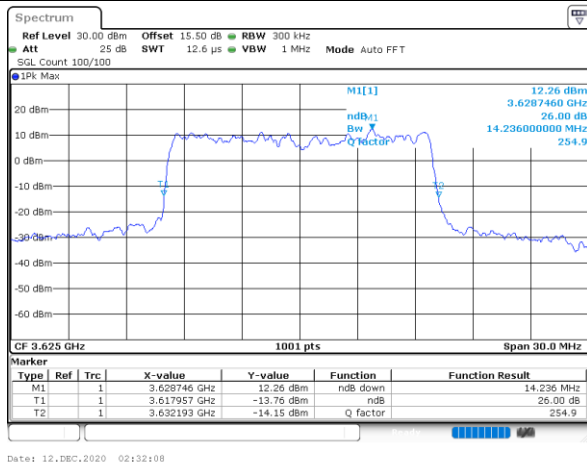
## Lowest Channel / 15MHz / QPSK



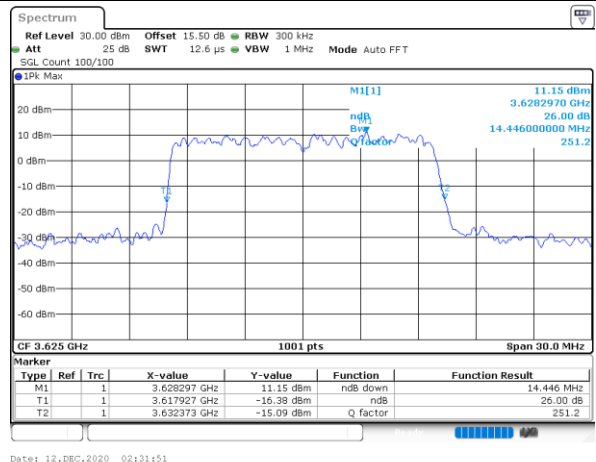
## Lowest Channel / 15MHz / 16QAM



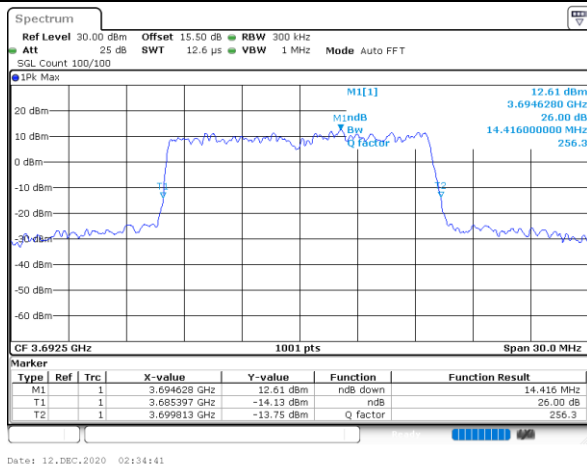
## Middle Channel / 15MHz / QPSK



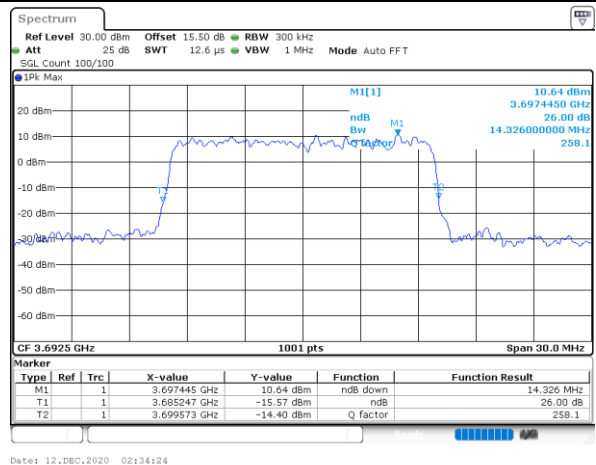
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



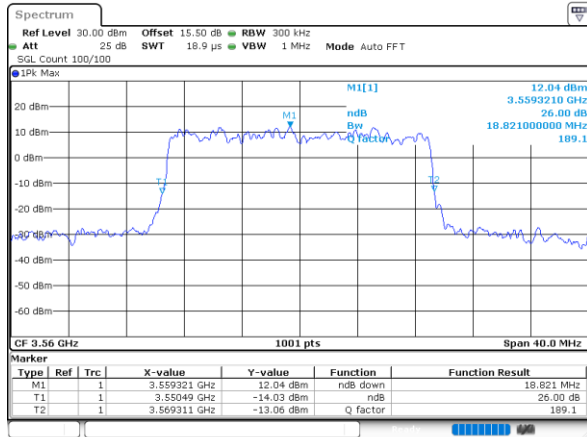
## Highest Channel / 15MHz / 16QAM



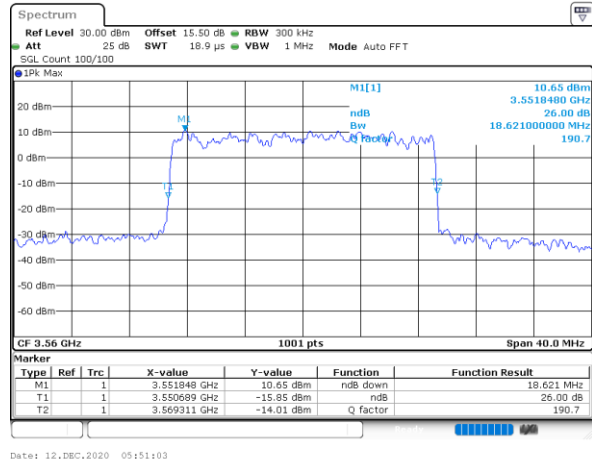


## LTE Band 48

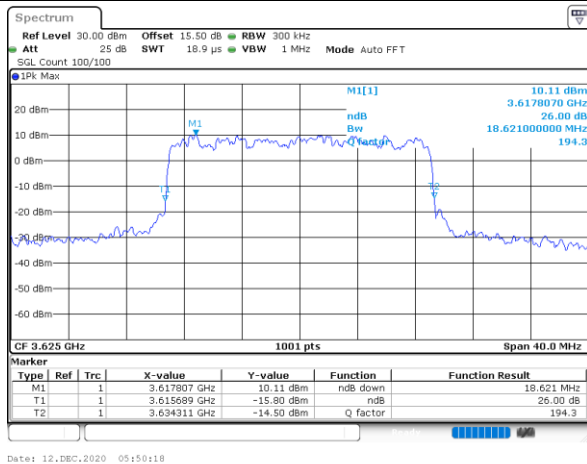
## Lowest Channel / 20MHz / QPSK



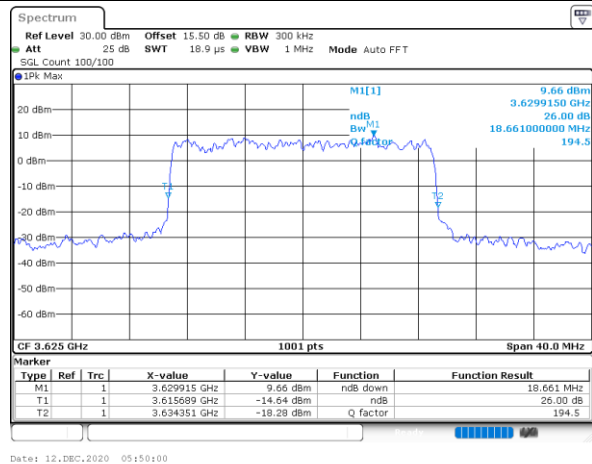
## Lowest Channel / 20MHz / 16QAM



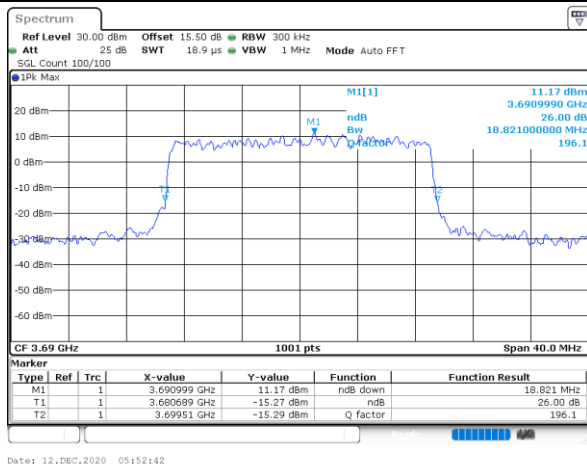
## Middle Channel / 20MHz / QPSK



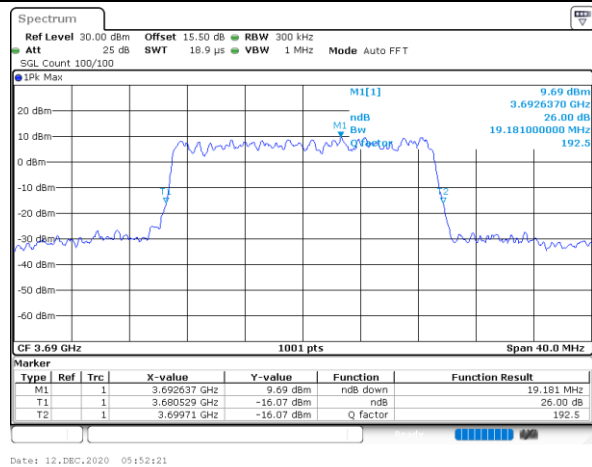
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



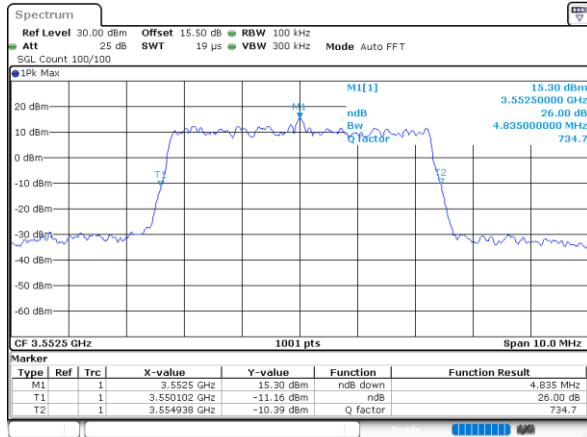
## Highest Channel / 20MHz / 16QAM



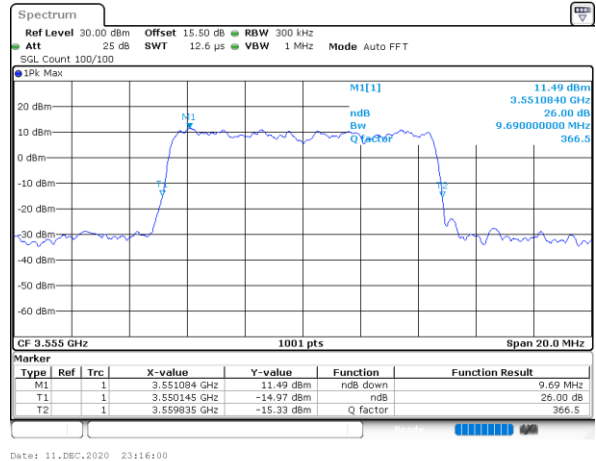


## LTE Band 48

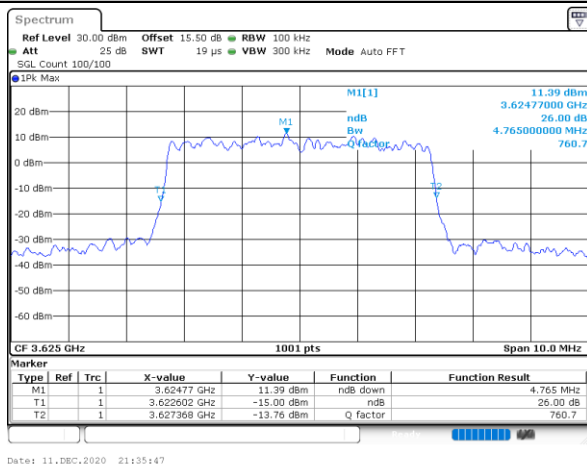
## Lowest Channel / 5MHz / 64QAM



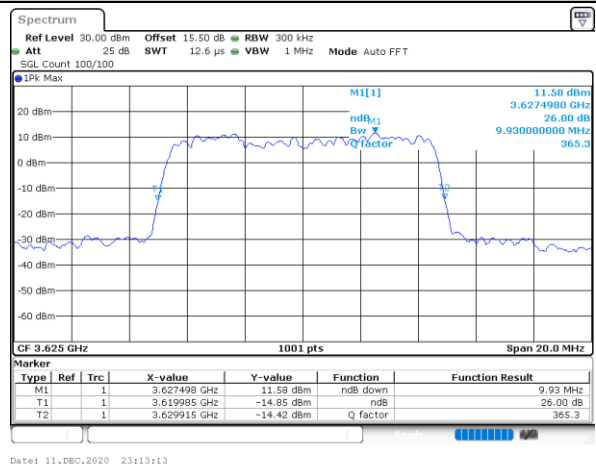
## Lowest Channel / 10MHz / 64QAM



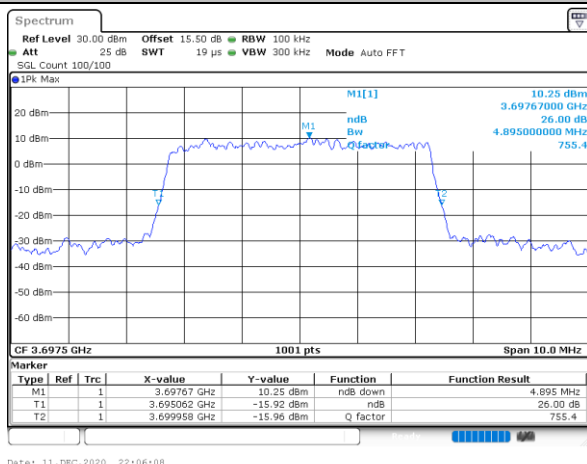
## Middle Channel / 5MHz / 64QAM



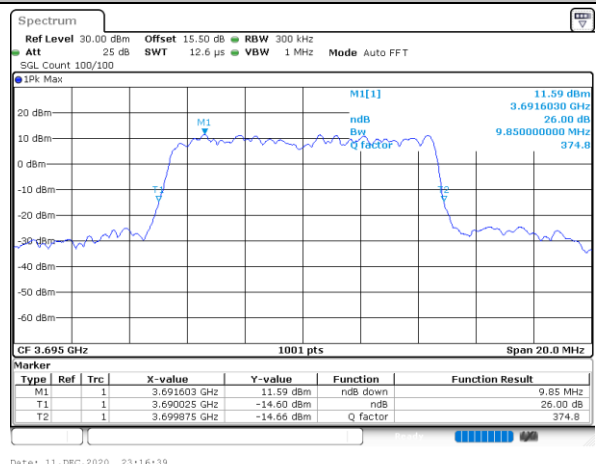
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



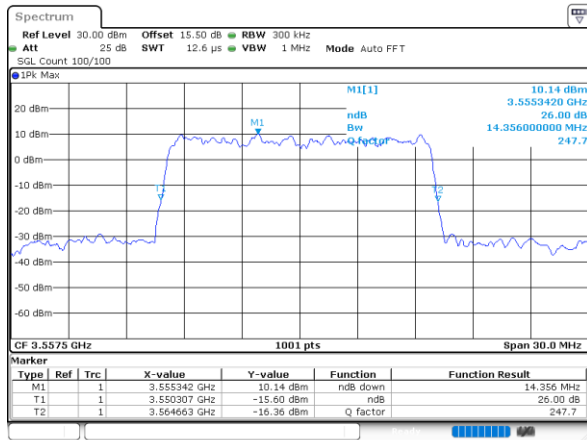
## Highest Channel / 10MHz / 64QAM





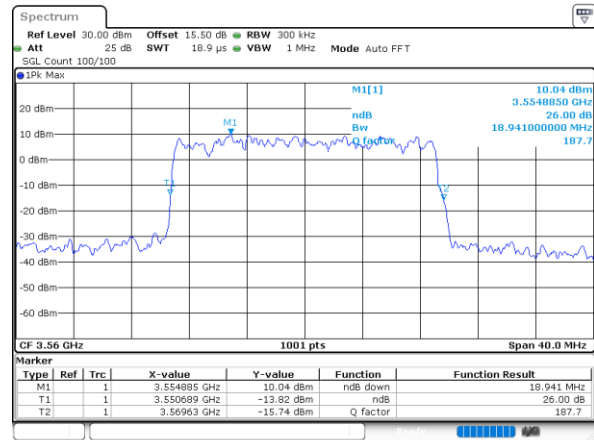
## LTE Band 48

## Lowest Channel / 15MHz / 64QAM



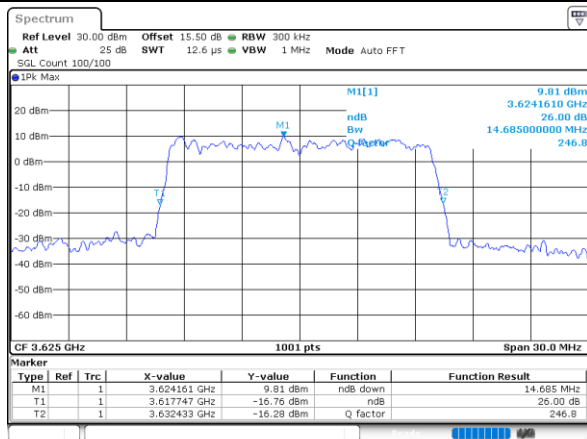
Date: 12, DEC, 2020 02:33:17

## Lowest Channel / 20MHz / 64QAM



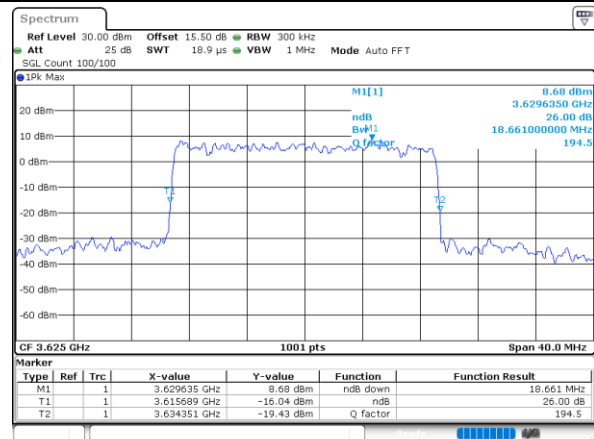
Date: 12, DEC, 2020 05:15:37

## Middle Channel / 15MHz / 64QAM



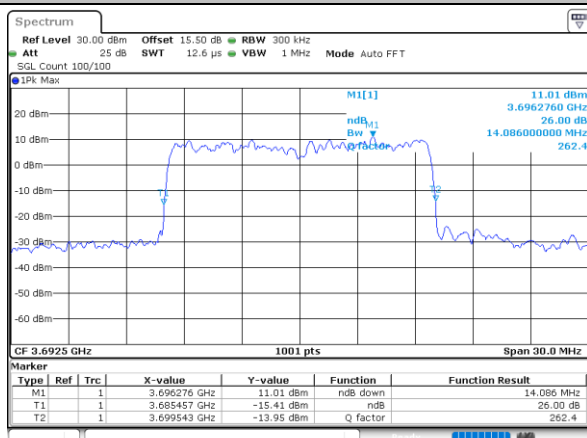
Date: 12, DEC, 2020 02:33:27

## Middle Channel / 20MHz / 64QAM



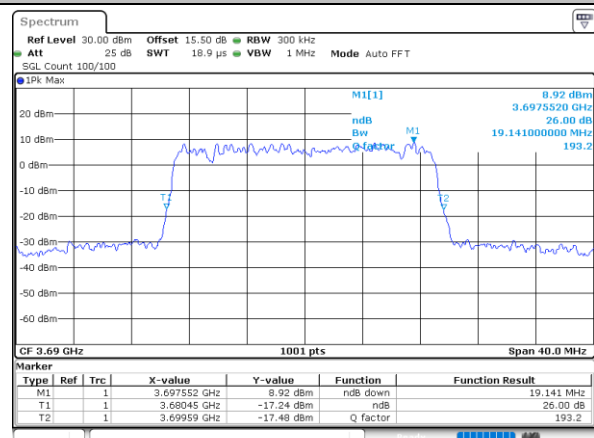
Date: 12, DEC, 2020 05:14:29

## Highest Channel / 15MHz / 64QAM



Date: 12, DEC, 2020 02:33:54

## Highest Channel / 20MHz / 64QAM



Date: 12, DEC, 2020 05:15:03

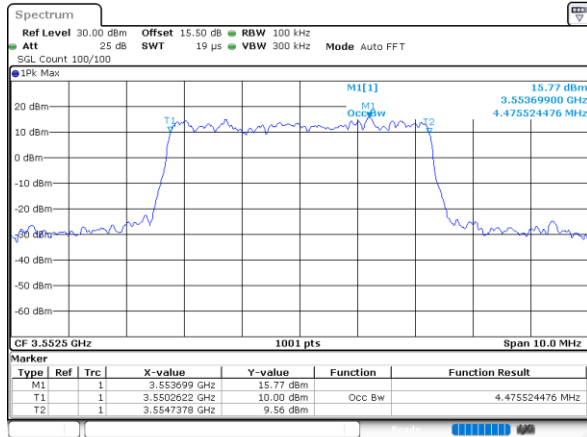
**Occupied Bandwidth**

| Mode       | LTE Band 48 : 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  | -                         | -     | -     | -     | 4.48  | 4.50  | 9.01  | 9.03  | 13.40 | 13.43 | 17.78 | 17.90 |
| Middle CH  | -                         | -     | -     | -     | 4.48  | 4.47  | 8.99  | 9.05  | 13.43 | 13.34 | 17.94 | 17.82 |
| Highest CH | -                         | -     | -     | -     | 4.54  | 4.50  | 8.99  | 9.03  | 13.46 | 13.49 | 17.86 | 17.86 |
| Mode       | LTE Band 48 : 99%OBW(MHz) |       |       |       |       |       |       |       |       |       |       |       |
| BW         | 1.4MHz                    |       | 3MHz  |       | 5MHz  |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.       | 64QAM                     |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       | 64QAM |       |
| Lowest CH  | -                         | -     | -     | -     | 4.51  | -     | 9.03  | -     | 13.46 | -     | 17.90 | -     |
| Middle CH  | -                         | -     | -     | -     | 4.46  | -     | 9.05  | -     | 13.49 | -     | 17.86 | -     |
| Highest CH | -                         | -     | -     | -     | 4.52  | -     | 8.99  | -     | 13.49 | -     | 17.90 | -     |



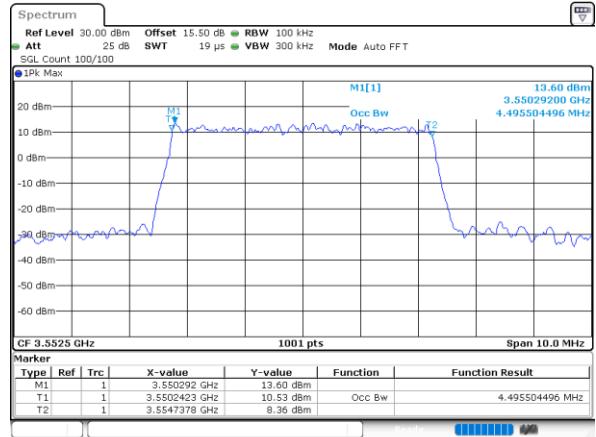
## LTE Band 48

## Lowest Channel / 5MHz / QPSK



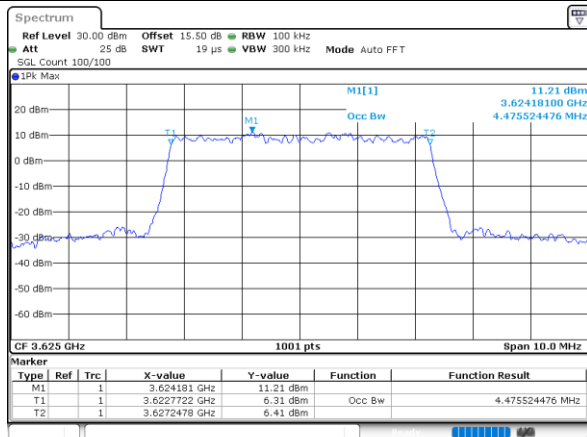
Date: 11.DEC.2020 19:21:27

## Lowest Channel / 5MHz / 16QAM



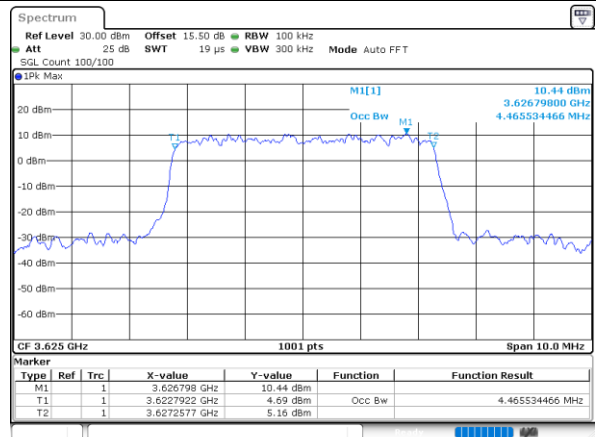
Date: 11.DEC.2020 19:25:54

## Middle Channel / 5MHz / QPSK



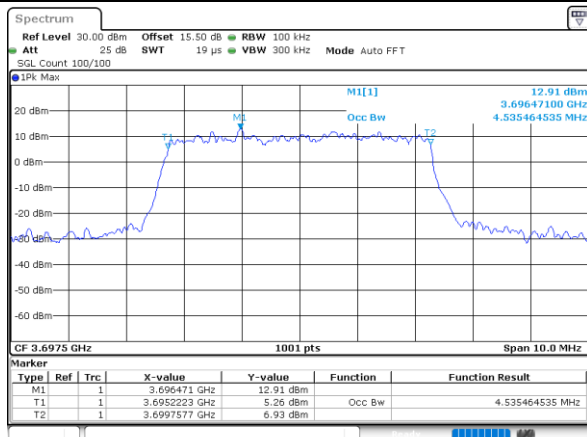
Date: 11.DEC.2020 21:37:17

## Middle Channel / 5MHz / 16QAM



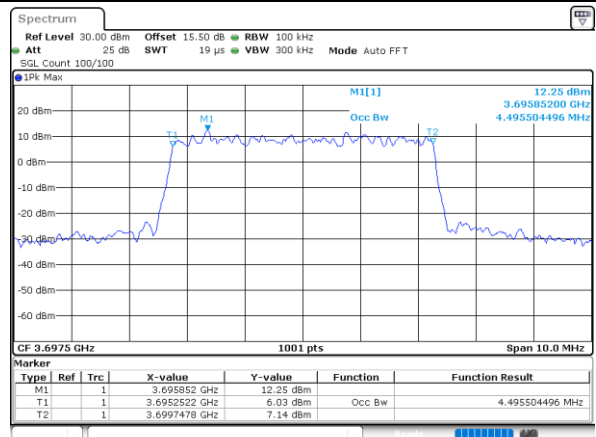
Date: 11.DEC.2020 21:36:19

## Highest Channel / 5MHz / QPSK



Date: 11.DEC.2020 21:38:15

## Highest Channel / 5MHz / 16QAM

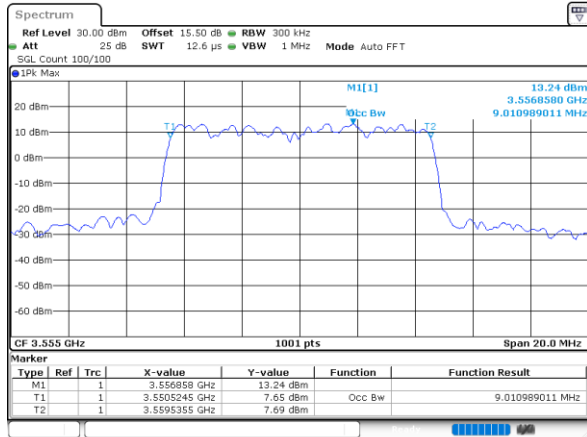


Date: 11.DEC.2020 21:38:34

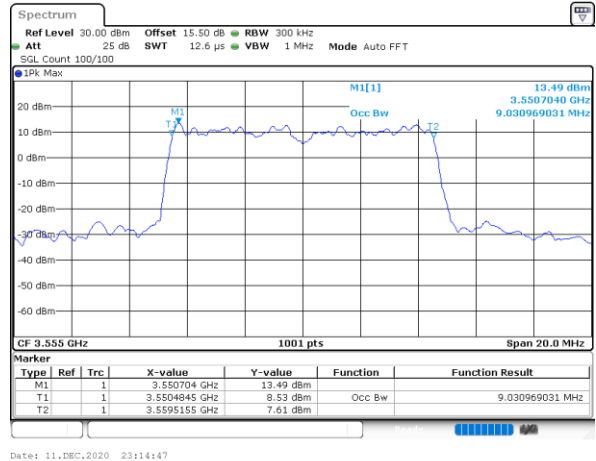


## LTE Band 48

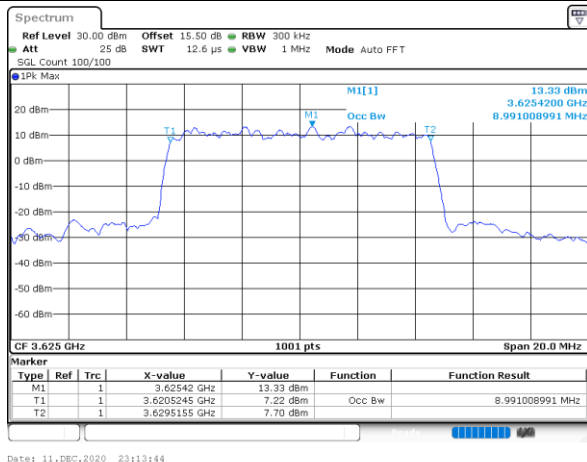
## Lowest Channel / 10MHz / QPSK



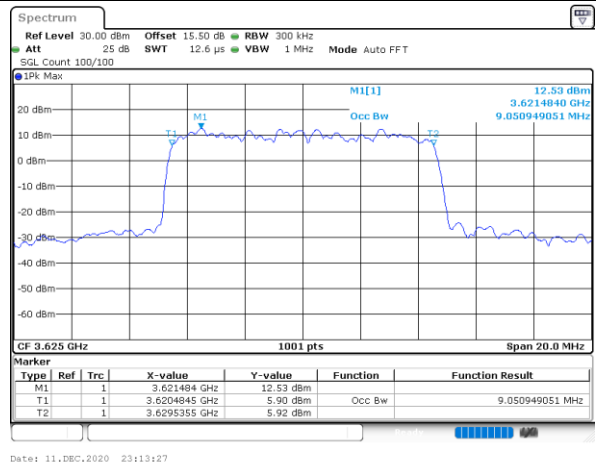
## Lowest Channel / 10MHz / 16QAM



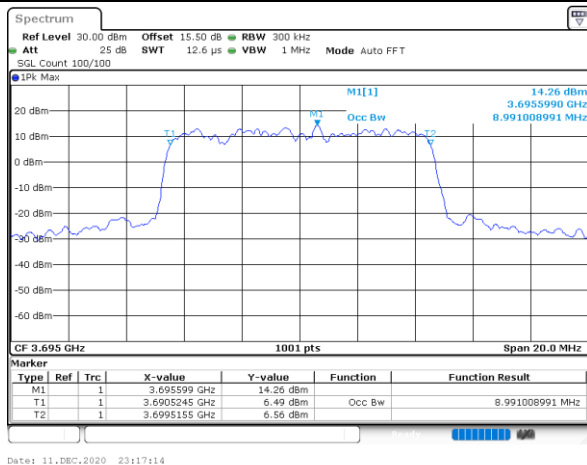
## Middle Channel / 10MHz / QPSK



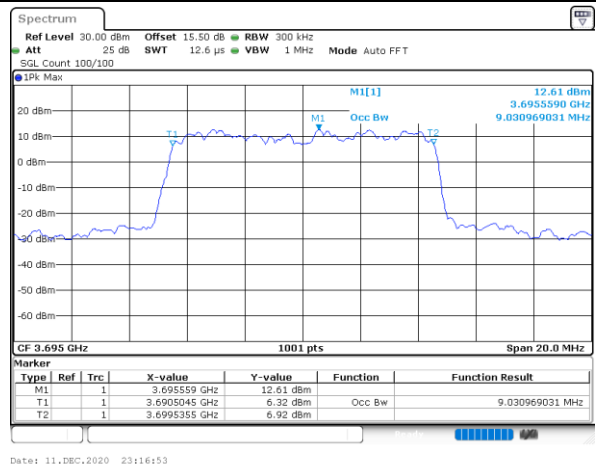
## Middle Channel / 10MHz / 16QAM



## Highest Channel / 10MHz / QPSK



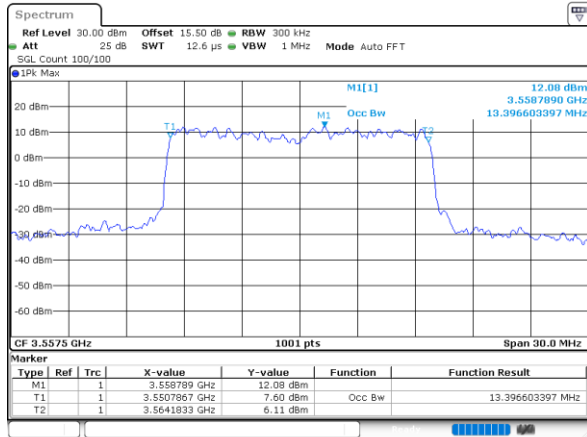
## Highest Channel / 10MHz / 16QAM



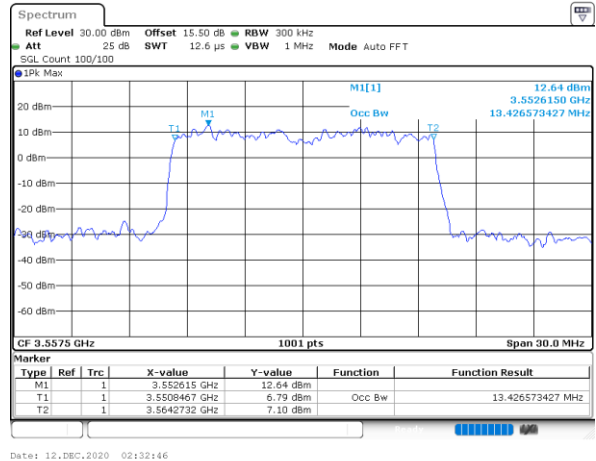


## LTE Band 48

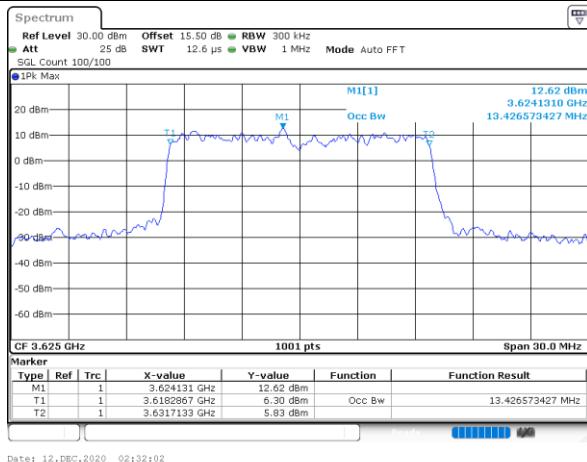
## Lowest Channel / 15MHz / QPSK



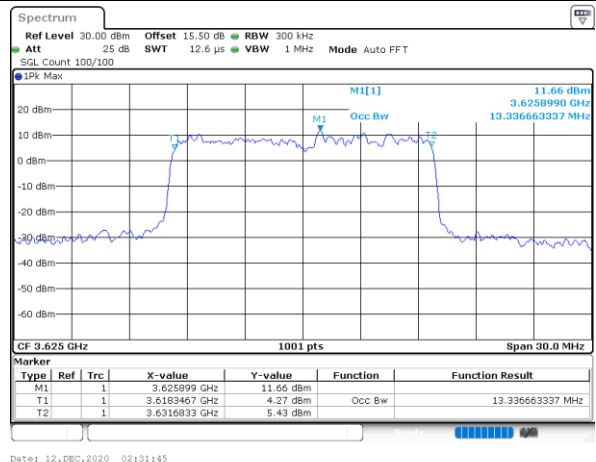
## Lowest Channel / 15MHz / 16QAM



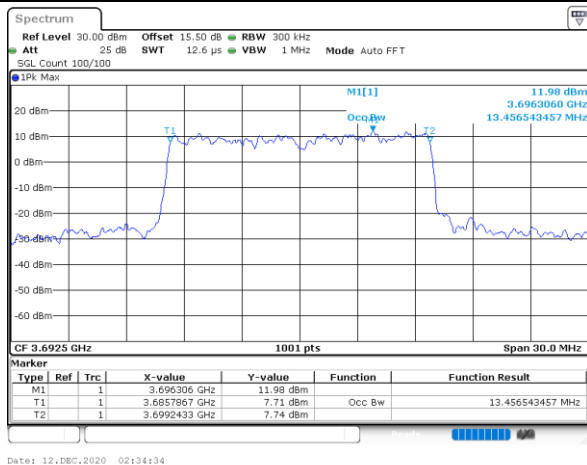
## Middle Channel / 15MHz / QPSK



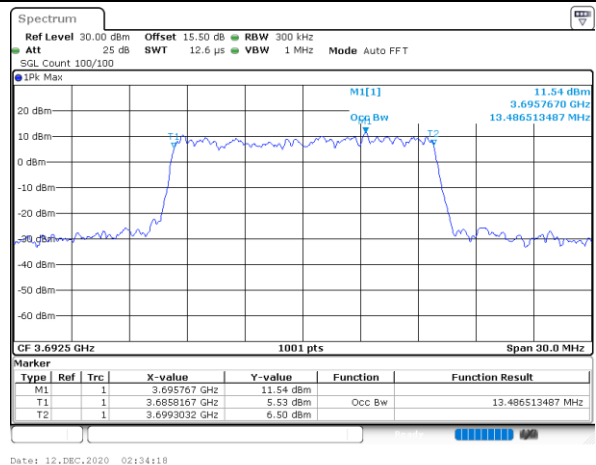
## Middle Channel / 15MHz / 16QAM



## Highest Channel / 15MHz / QPSK



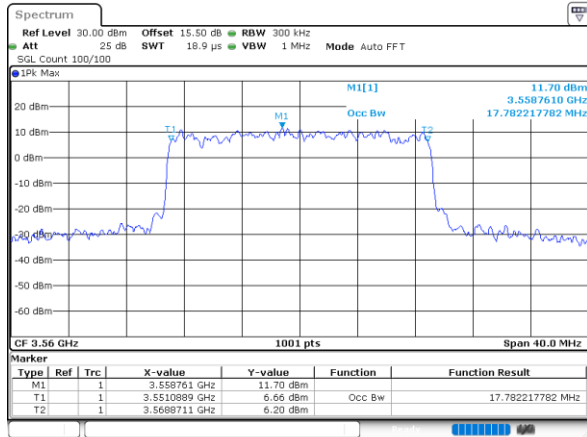
## Highest Channel / 15MHz / 16QAM



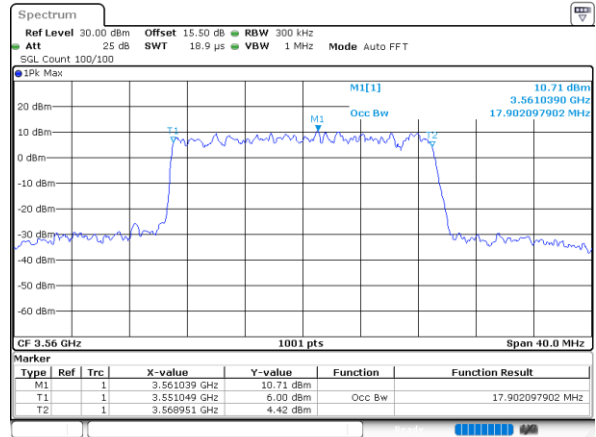


## LTE Band 48

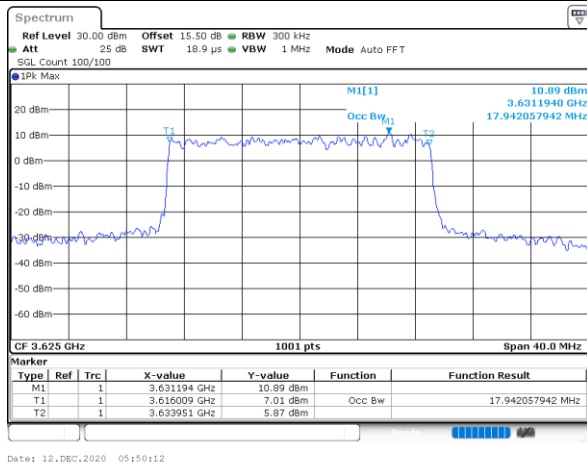
## Lowest Channel / 20MHz / QPSK



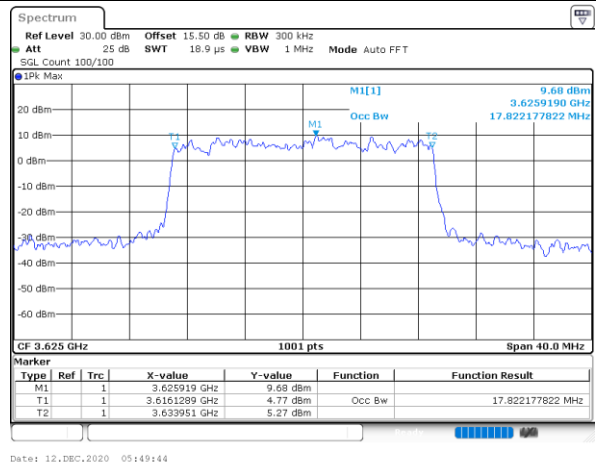
## Lowest Channel / 20MHz / 16QAM



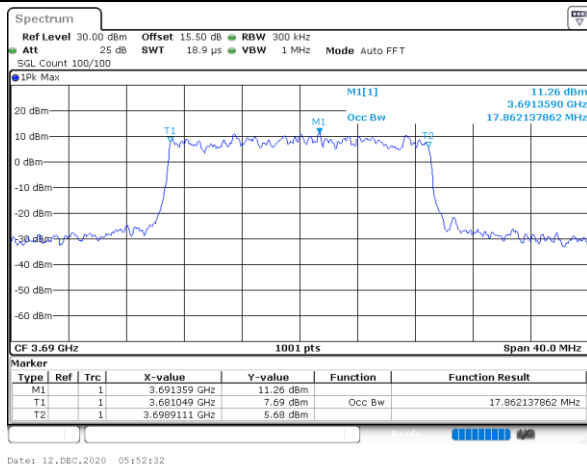
## Middle Channel / 20MHz / QPSK



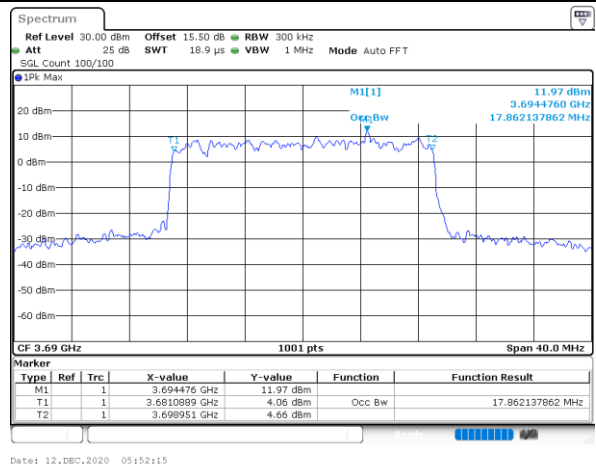
## Middle Channel / 20MHz / 16QAM



## Highest Channel / 20MHz / QPSK



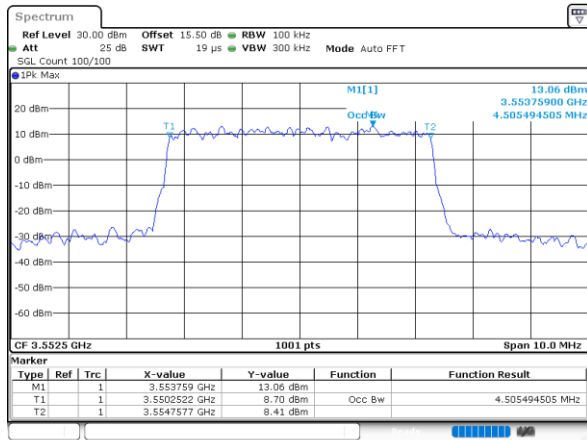
## Highest Channel / 20MHz / 16QAM



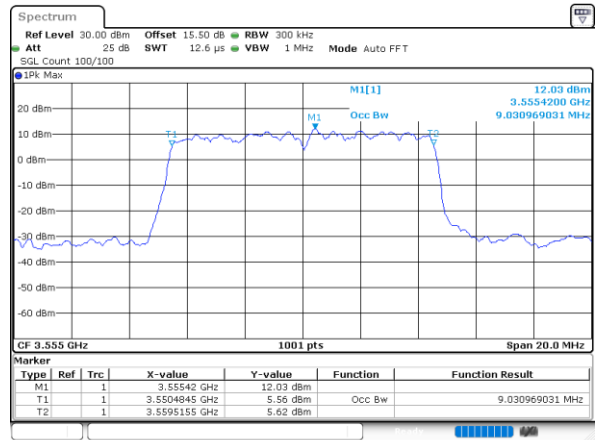


## LTE Band 48

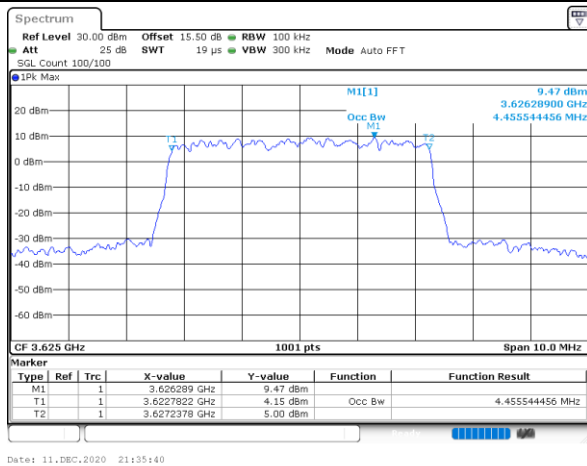
## Lowest Channel / 5MHz / 64QAM



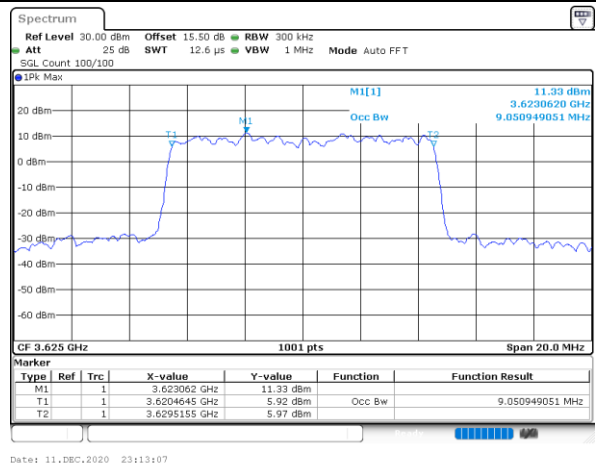
## Lowest Channel / 10MHz / 64QAM



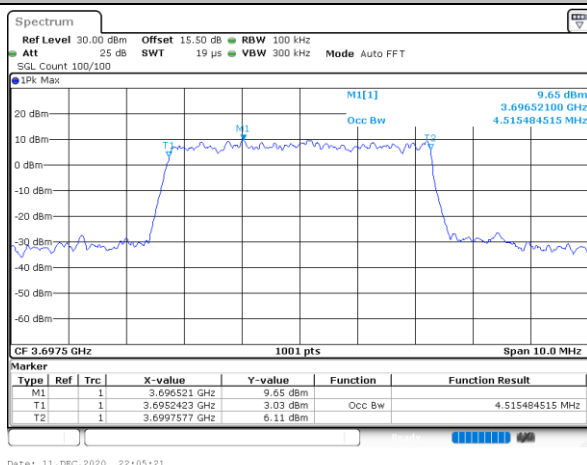
## Middle Channel / 5MHz / 64QAM



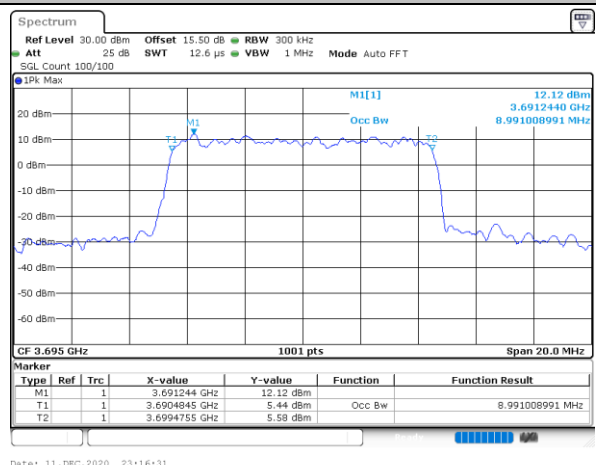
## Middle Channel / 10MHz / 64QAM



## Highest Channel / 5MHz / 64QAM



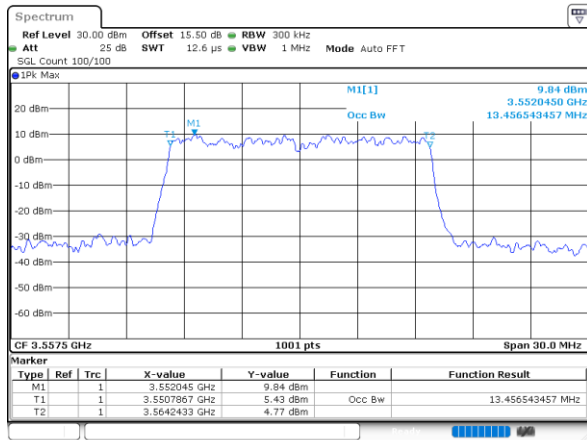
## Highest Channel / 10MHz / 64QAM



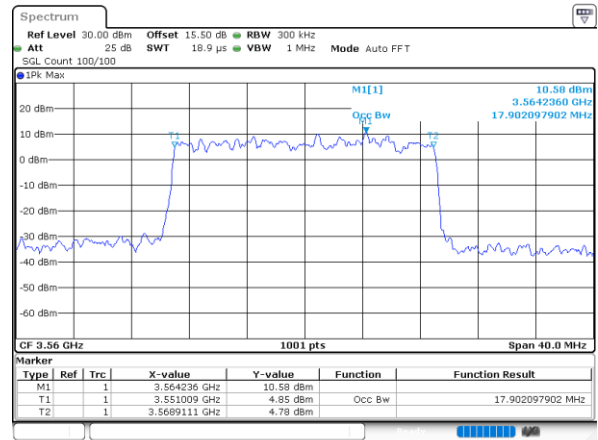


## LTE Band 48

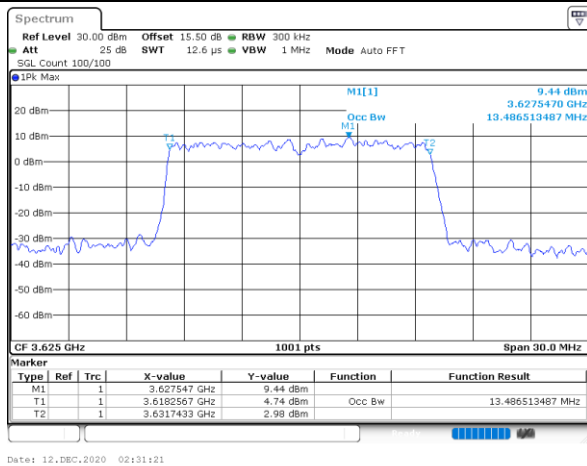
## Lowest Channel / 15MHz / 64QAM



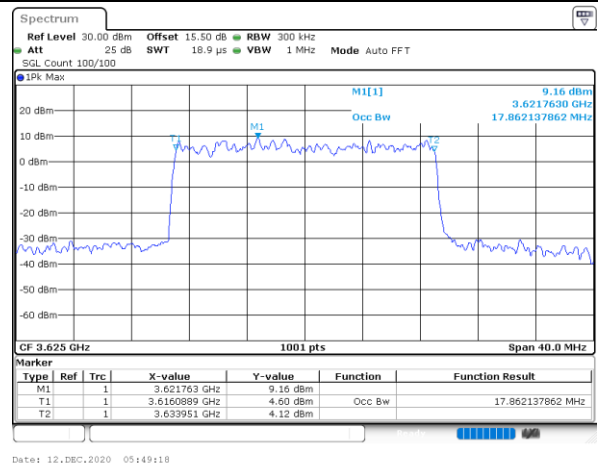
## Lowest Channel / 20MHz / 64QAM



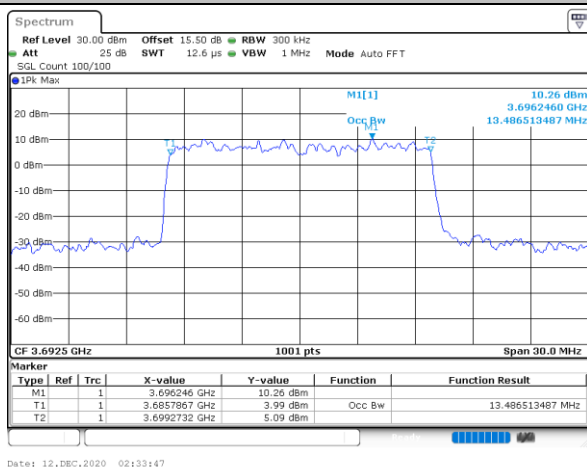
## Middle Channel / 15MHz / 64QAM



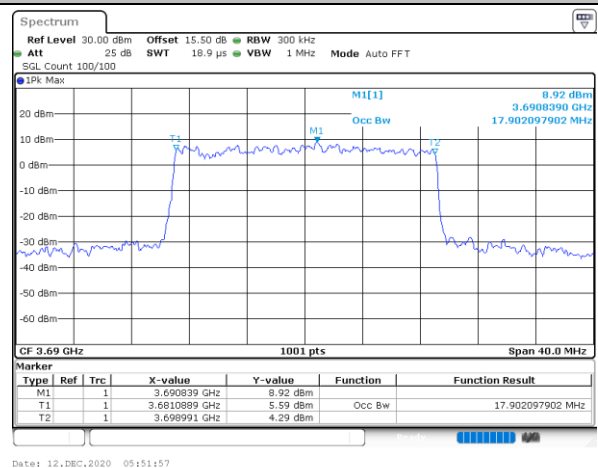
## Middle Channel / 20MHz / 64QAM



## Highest Channel / 15MHz / 64QAM



## Highest Channel / 20MHz / 64QAM





## **Conducted Band Edge**

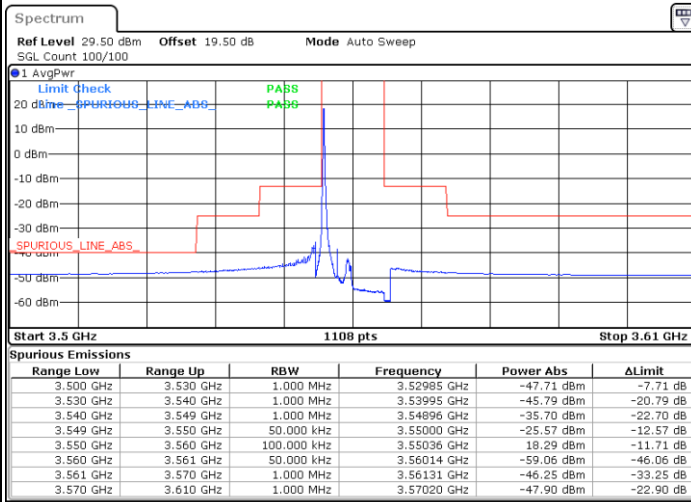


## LTE Band 48 / 5MHz

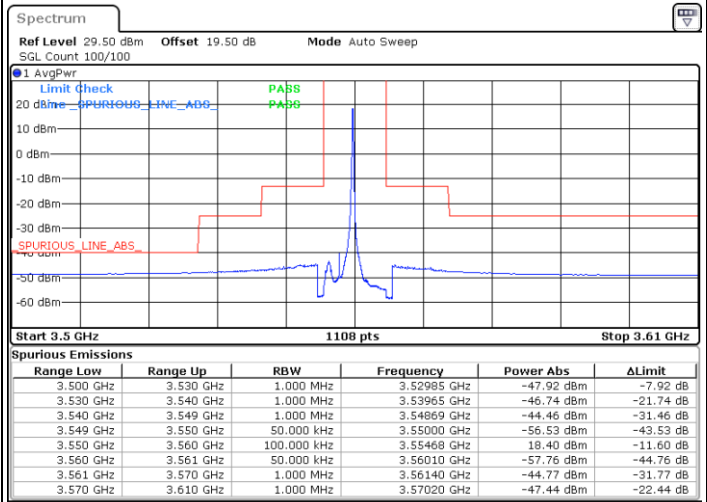
## QPSK

## Lowest Channel / 1RB0

## Lowest Channel / 1RBmax



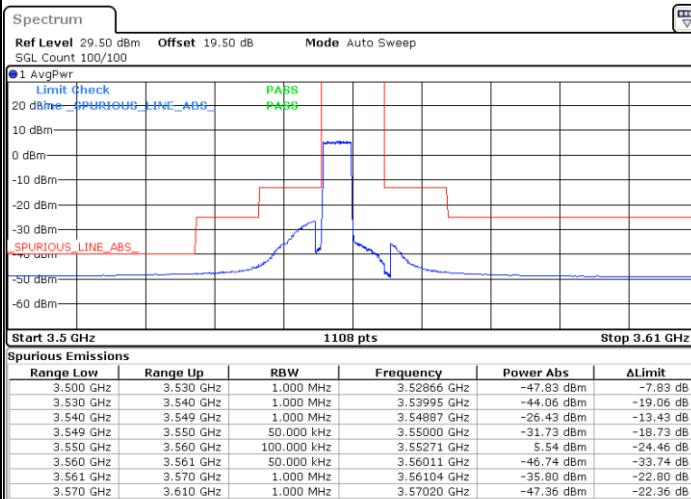
Date: 11.DEC.2020 20:15:58



Date: 11.DEC.2020 20:34:38

## Lowest Channel / FullRB

## N/A



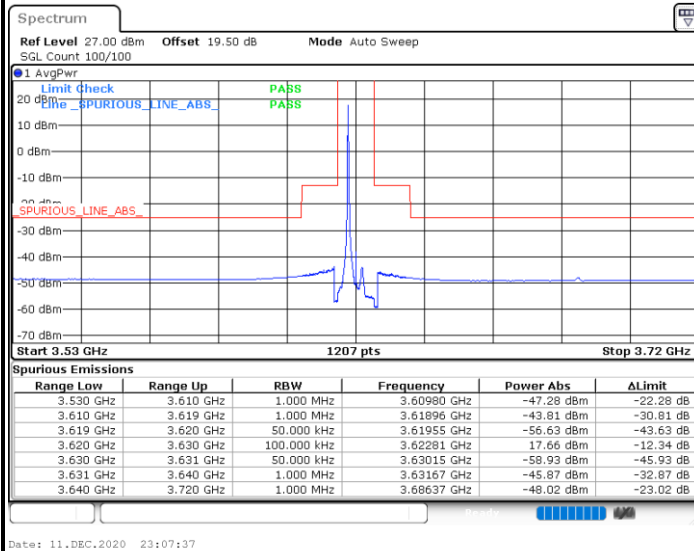
Date: 11.DEC.2020 19:50:32



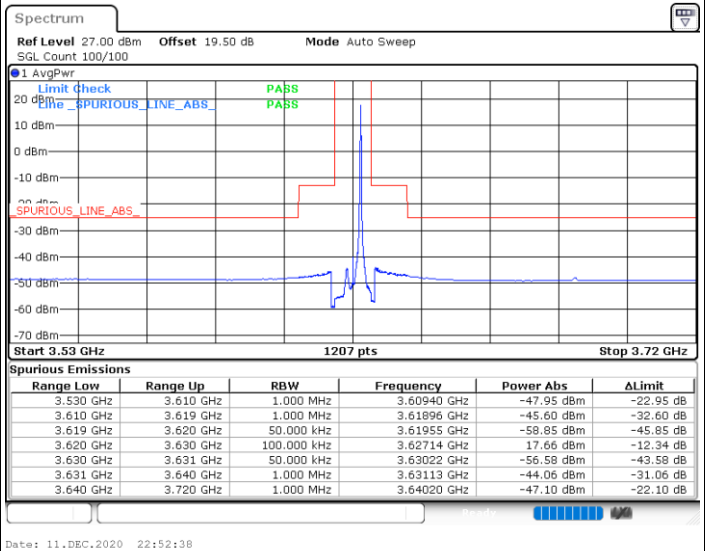
## LTE Band 48 / 5MHz

## QPSK

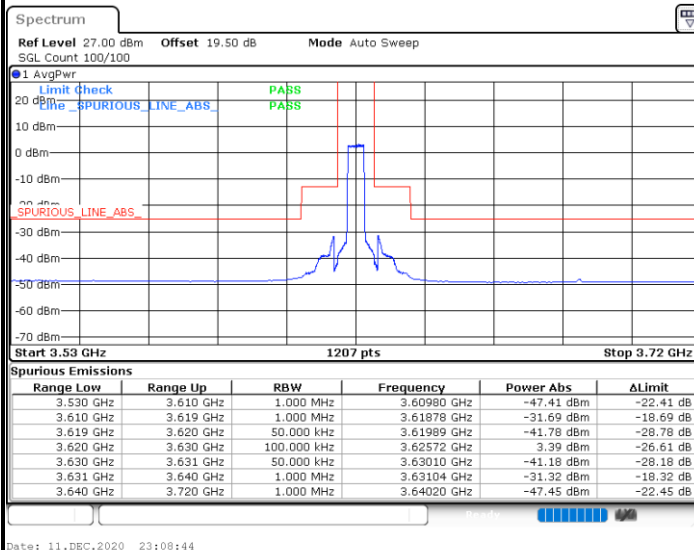
## Middle Channel / 1RB0



## Middle Channel / 1RBmax



## Middle Channel / FullRB



## N/A

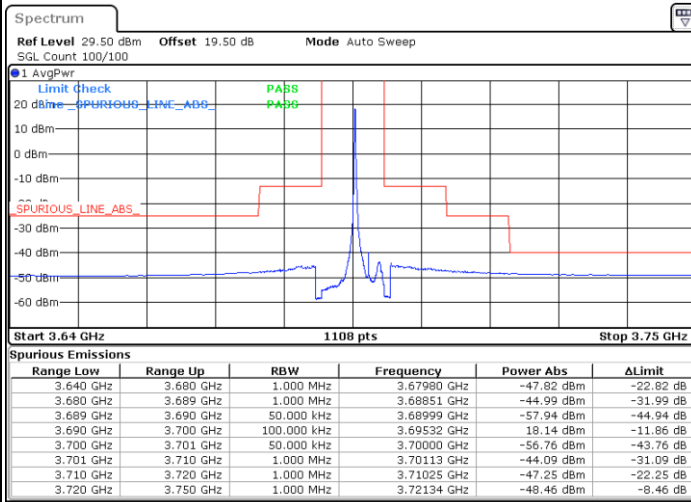


## LTE Band 48 / 5MHz

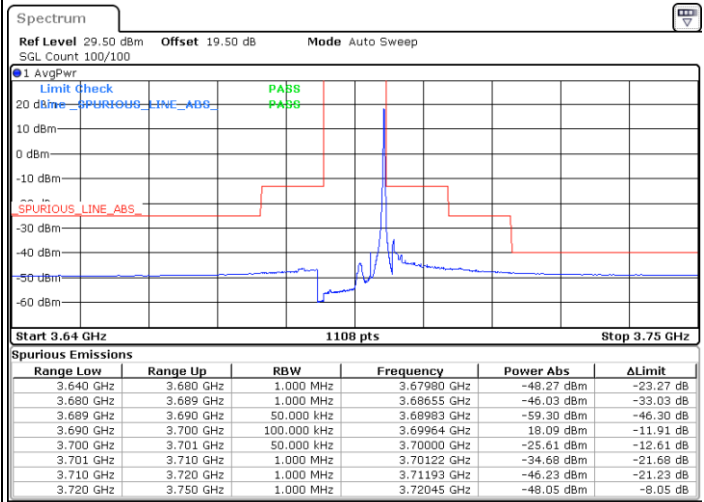
## QPSK

## Highest Channel / 1RB0

## Highest Channel / 1RBmax



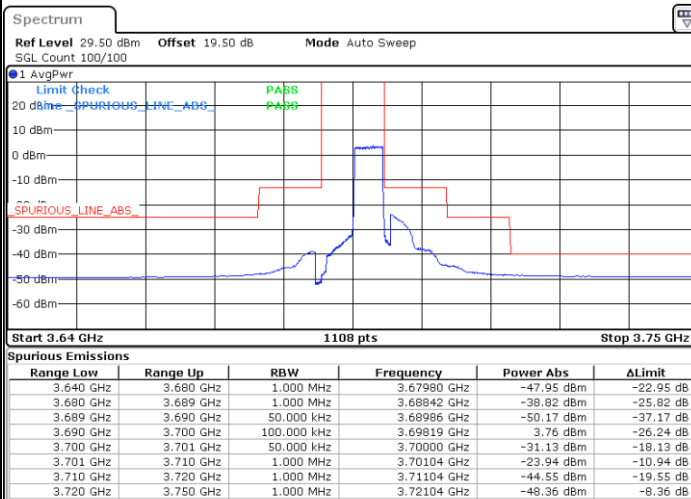
Date: 11.DEC.2020 22:22:28



Date: 11.DEC.2020 22:46:47

## Highest Channel / Full RB

## N/A



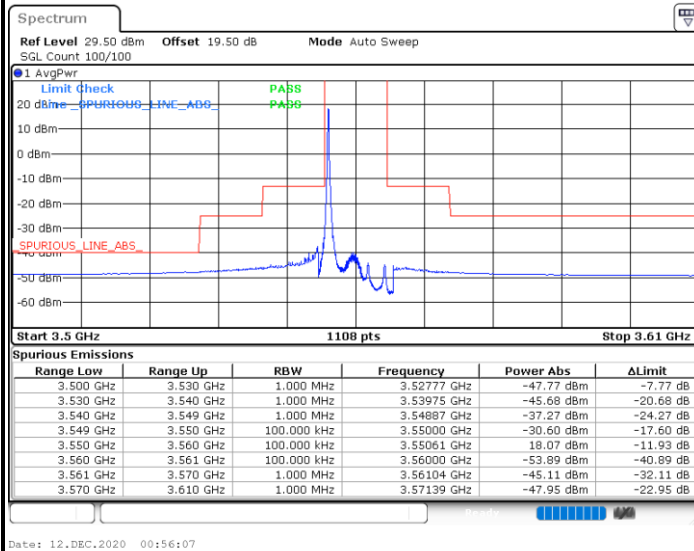
Date: 11.DEC.2020 22:18:26



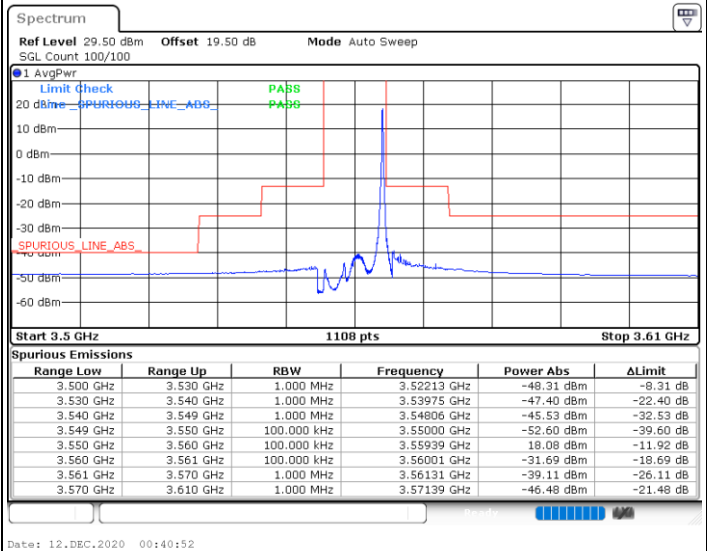
## LTE Band 48 / 10MHz

## QPSK

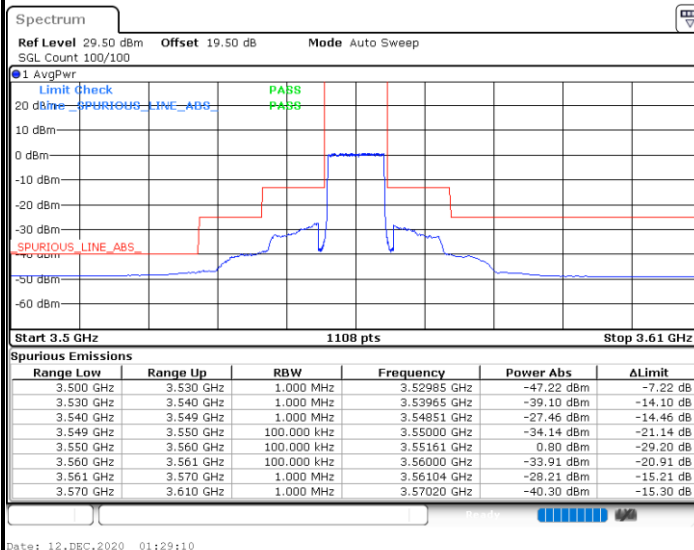
## Lowest Channel / 1RB0



## Lowest Channel / 1RBmax



## Lowest Channel / FullRB



## N/A

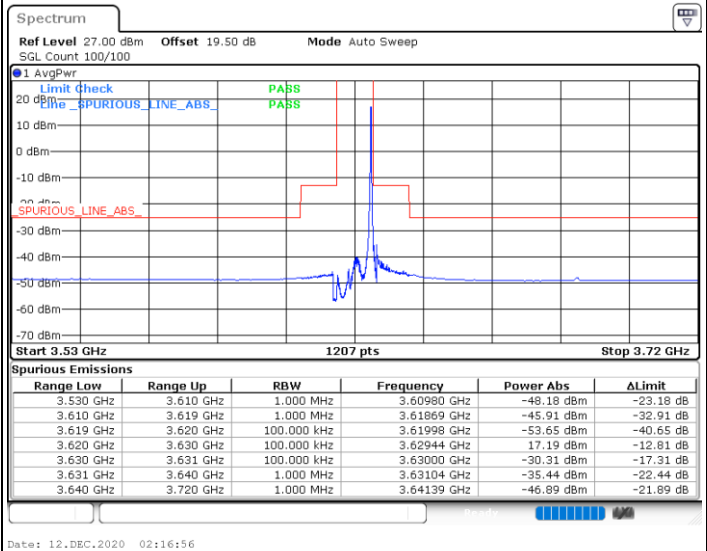
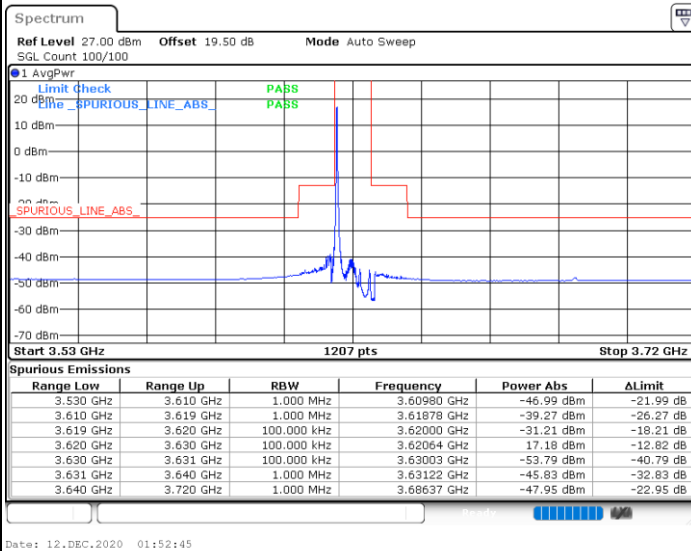


## LTE Band 48 / 10MHz

## QPSK

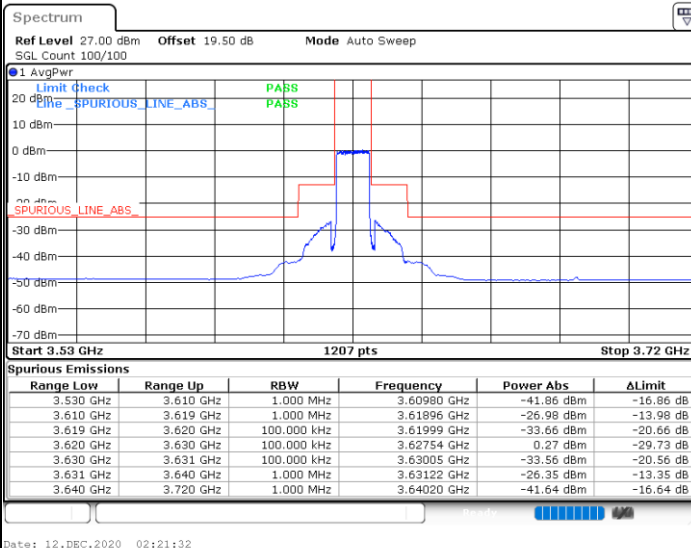
## Middle Channel / 1RB0

## Middle Channel / 1RBmax



## Middle Channel / Full RB

## N/A



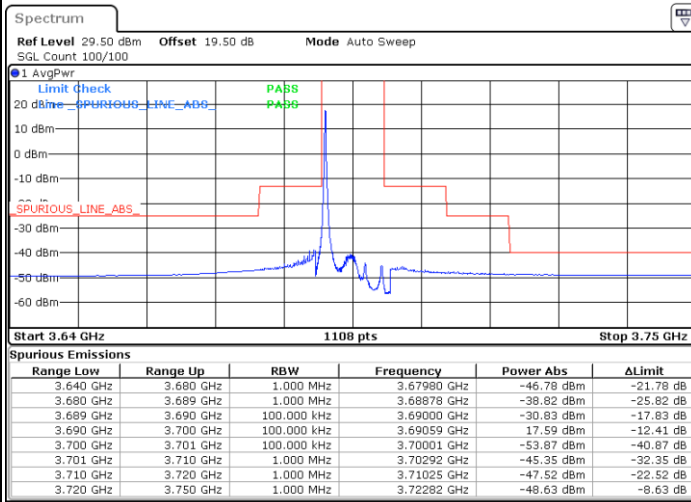


## LTE Band 48 / 10MHz

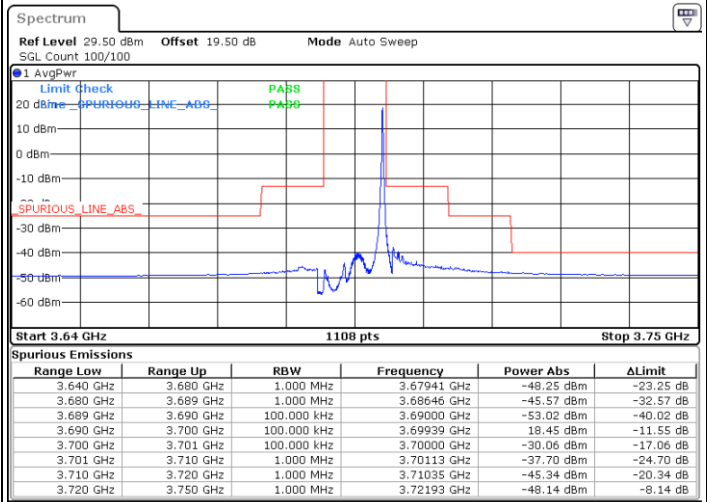
## QPSK

## Highest Channel / 1RB0

## Highest Channel / 1RBmax



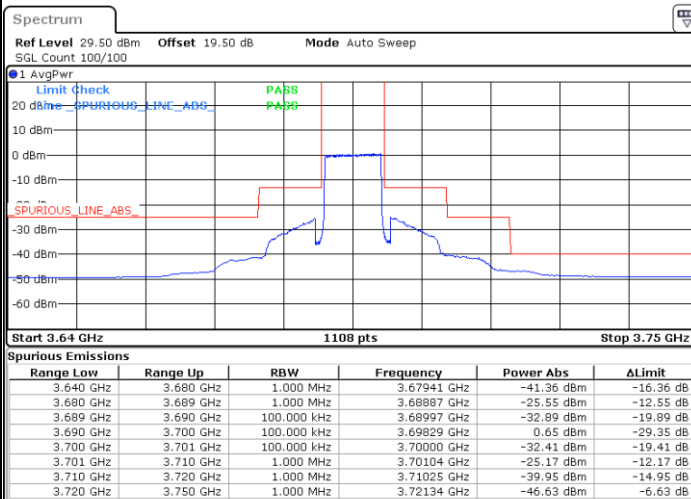
Date: 12.DEC.2020 01:43:03



Date: 11.DEC.2020 23:45:28

## Highest Channel / FullIRB

## N/A



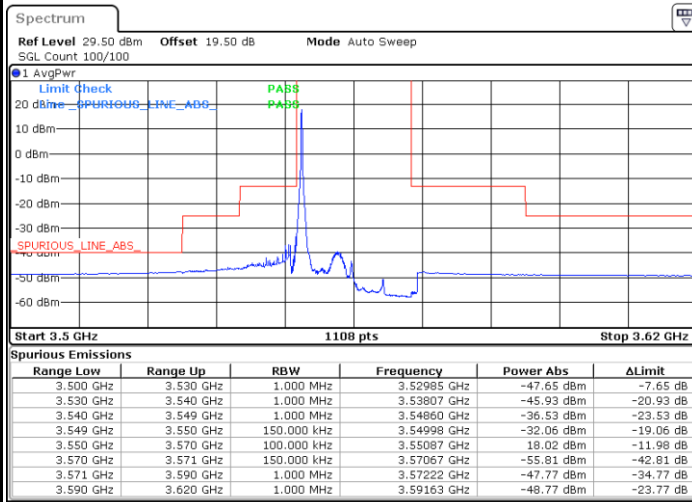
Date: 12.DEC.2020 01:33:04



## LTE Band 48 / 15MHz

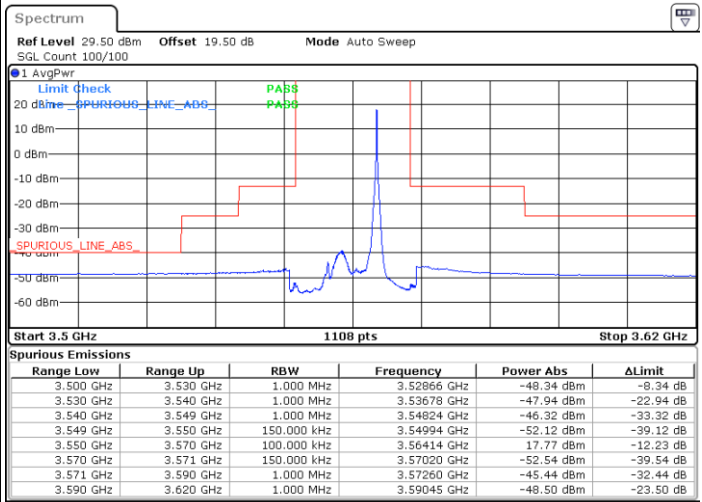
## QPSK

## Lowest Channel / 1RB0



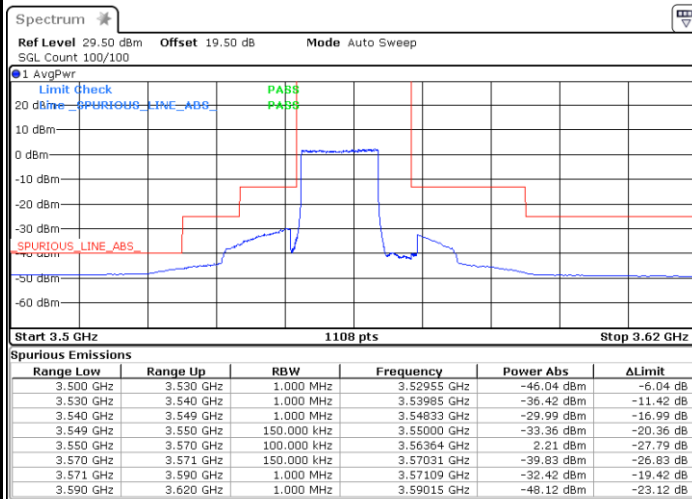
Date: 12.DEC.2020 04:16:05

## Lowest Channel / 1RBmax



Date: 12.DEC.2020 04:40:11

## Lowest Channel / FullRB



Date: 9.JAN.2021 14:21:41

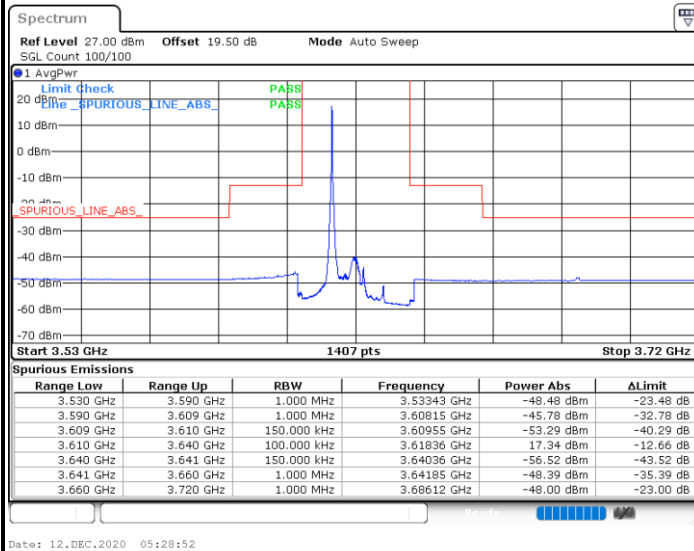
## N/A



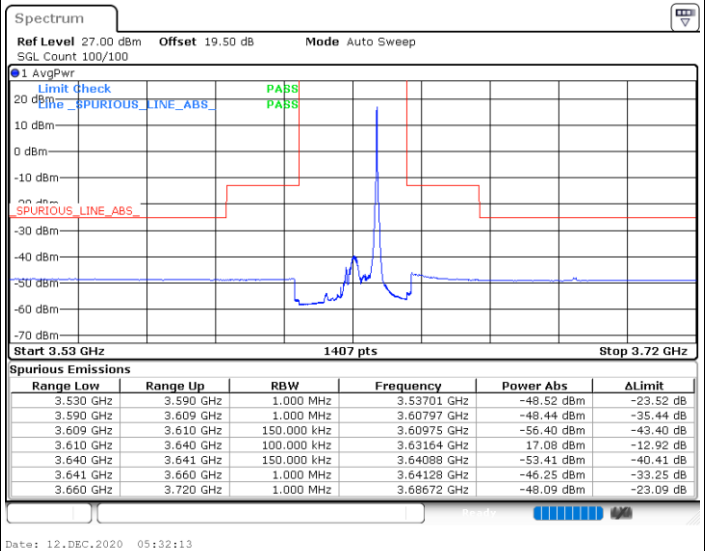
## LTE Band 48 / 15MHz

## QPSK

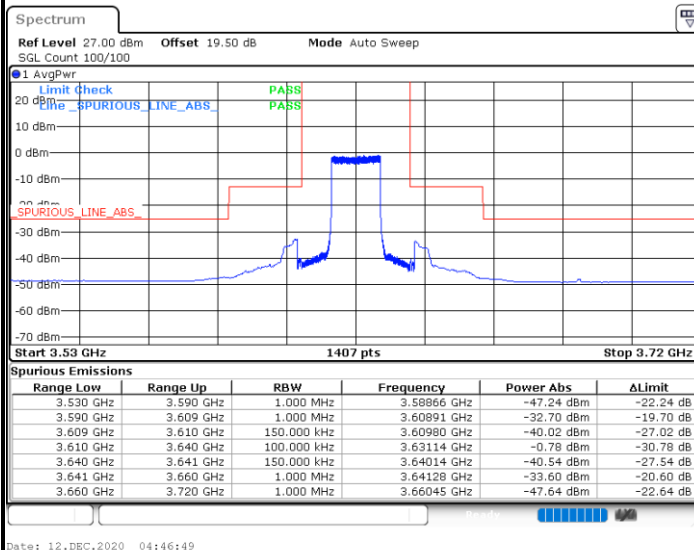
## Middle Channel / 1RB0



## Middle Channel / 1RBmax



## Middle Channel / FullRB



## N/A