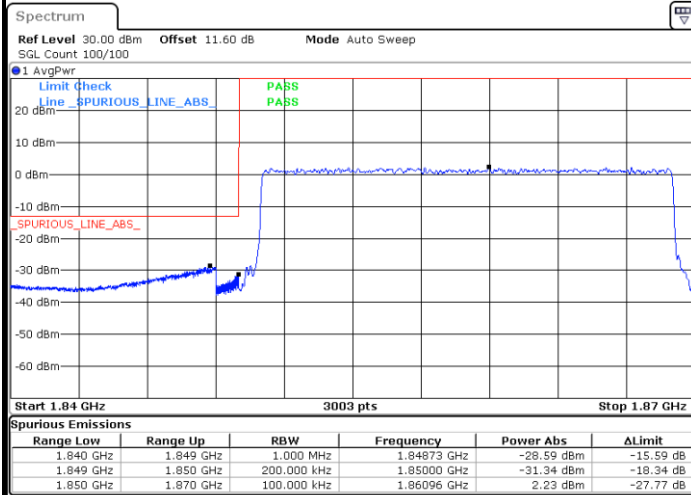


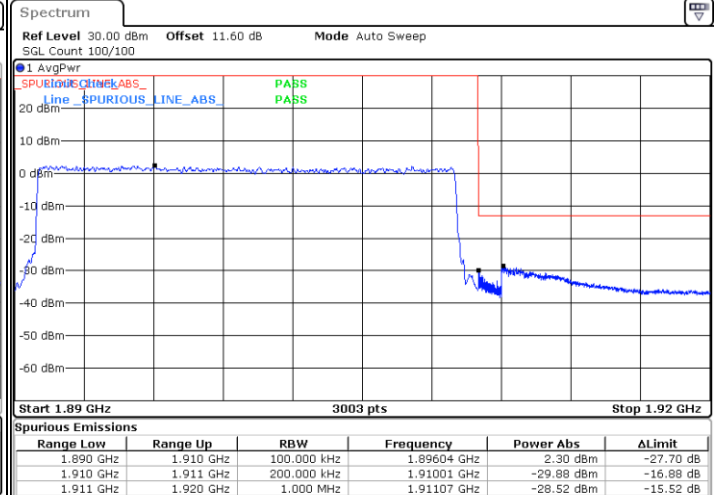


## LTE Band 2 / 20MHz / QPSK

## Lowest Band Edge / Full RB

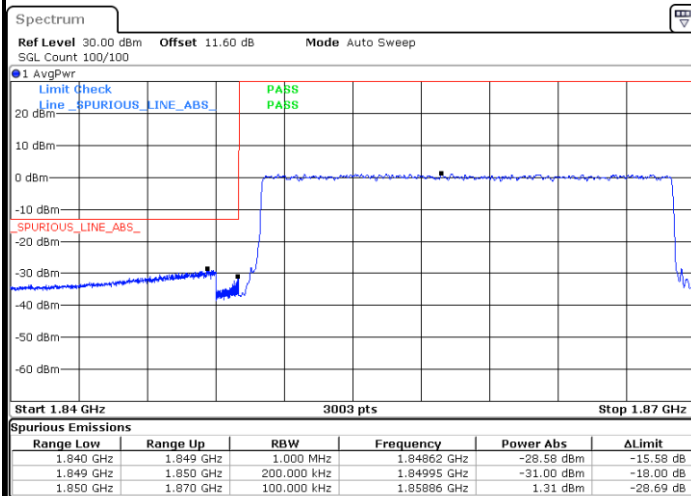


## Highest Band Edge / Full RB

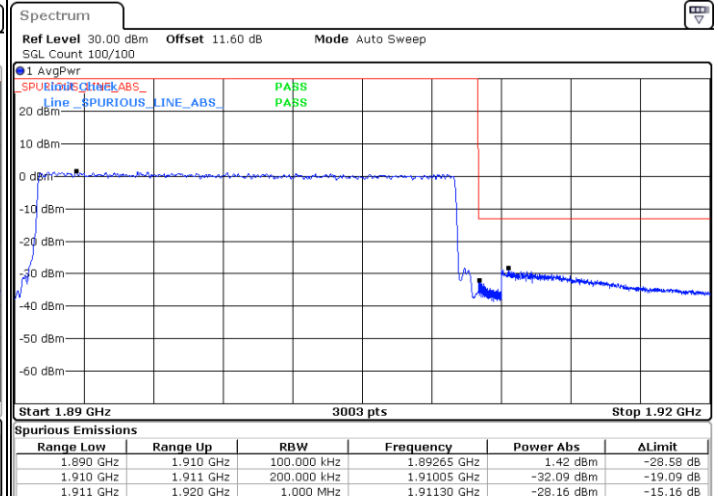


## LTE Band 2 / 20MHz / 16QAM

## Lowest Band Edge / Full RB



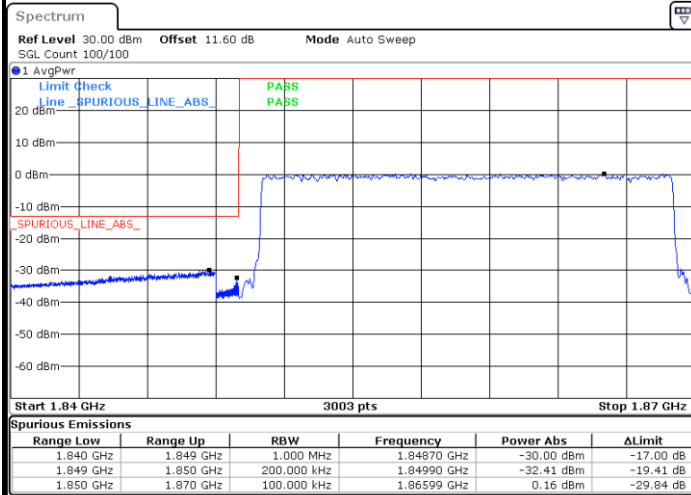
## Highest Band Edge / Full RB



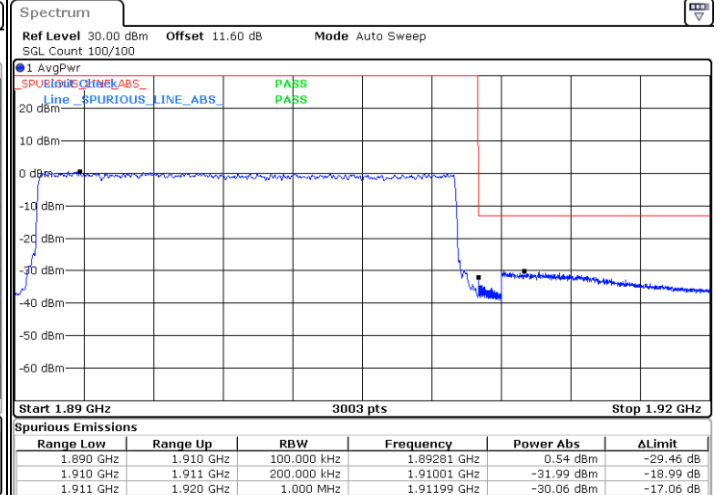


## LTE Band 2 / 20MHz / 64QAM

## Lowest Band Edge / Full RB

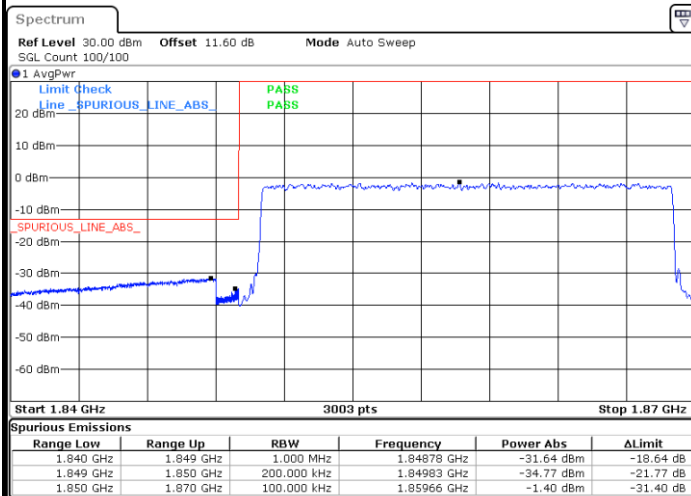


## Highest Band Edge / Full RB

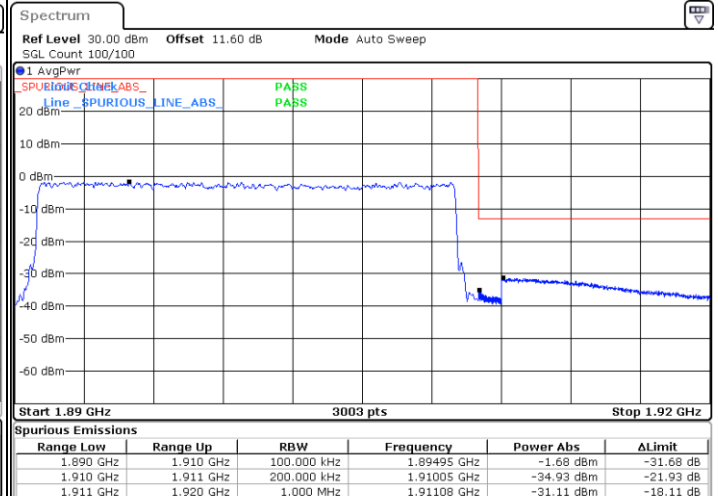


## LTE Band 2 / 20MHz / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

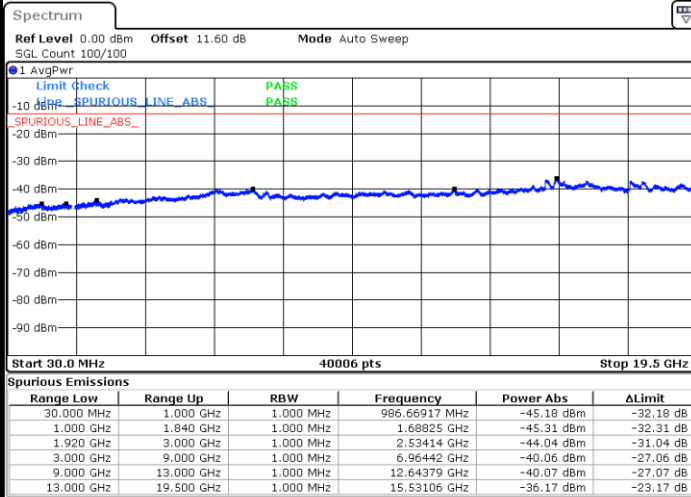




## Conducted Spurious Emission

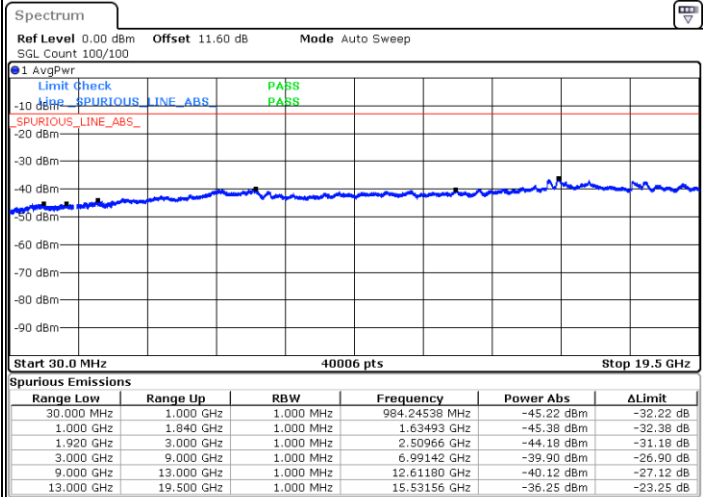
### LTE Band 2 / 1.4MHz

#### Lowest Channel / QPSK



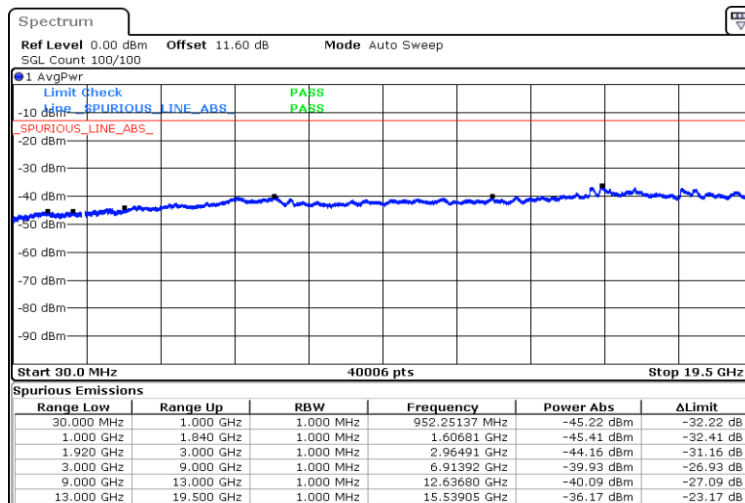
Date: 17.MAR.2025 07:08:27

#### Middle Channel / QPSK



Date: 17.MAR.2025 07:09:39

#### Highest Channel / QPSK

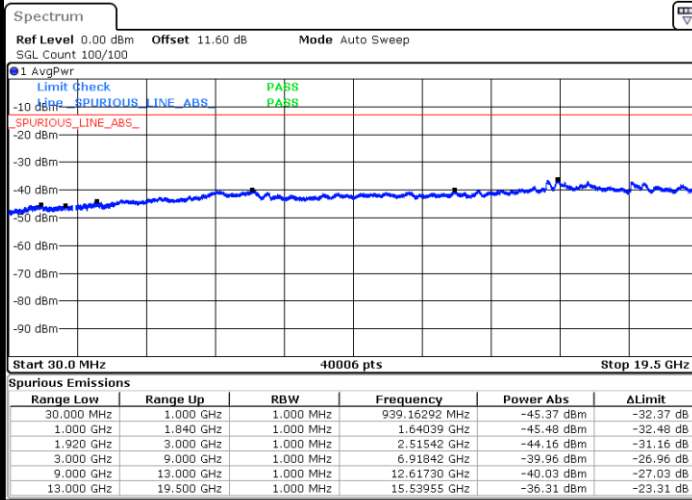


Date: 17.MAR.2025 07:10:52



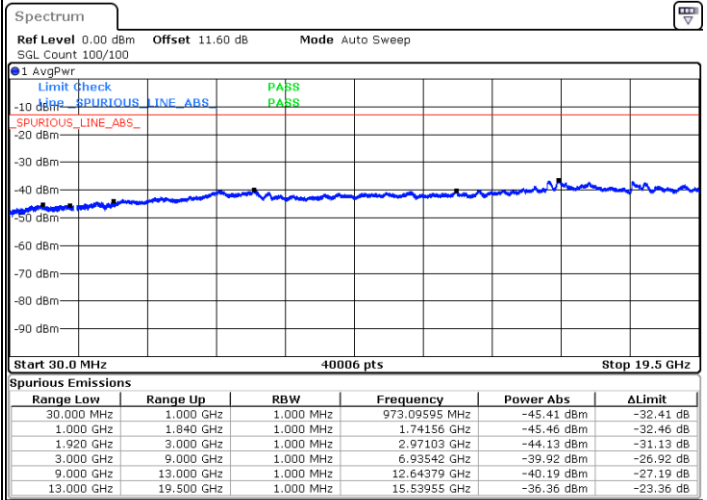
## LTE Band 2 / 3MHz

## Lowest Channel / QPSK



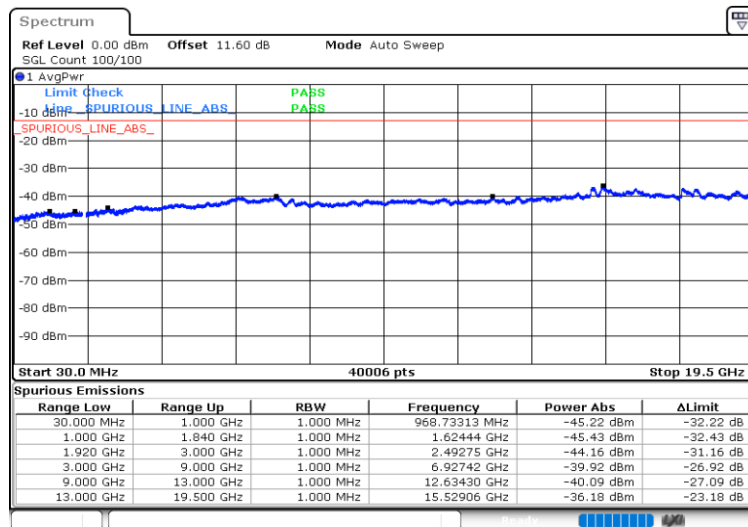
Date: 17.MAR.2025 07:12:06

## Middle Channel / QPSK



Date: 17.MAR.2025 07:13:19

## Highest Channel / QPSK

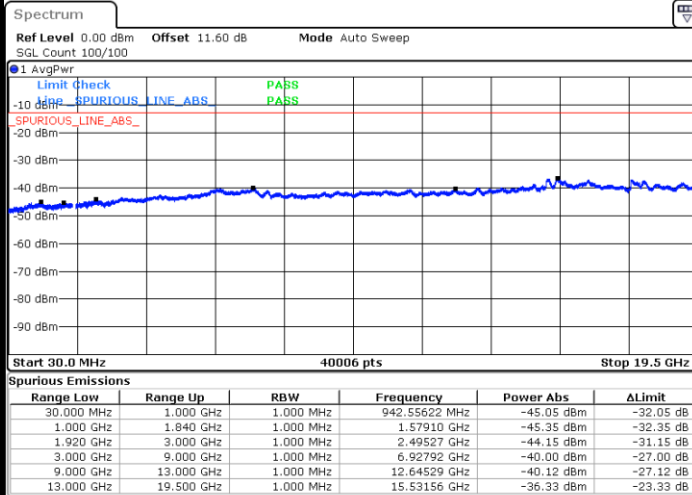


Date: 17.MAR.2025 07:14:31



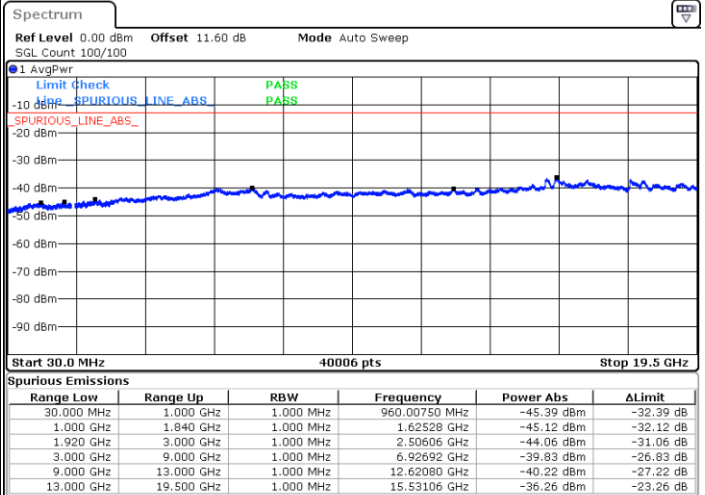
## LTE Band 2 / 5MHz

## Lowest Channel / QPSK



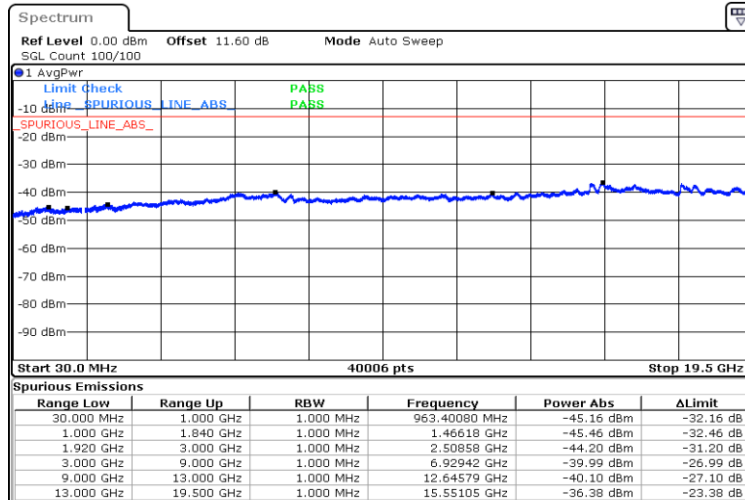
Date: 17.MAR.2025 07:15:46

## Middle Channel / QPSK



Date: 17.MAR.2025 07:16:58

## Highest Channel / QPSK

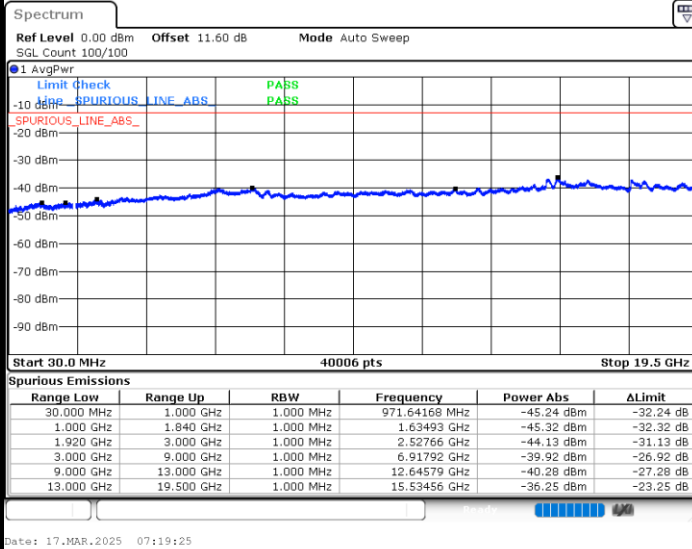


Date: 17.MAR.2025 07:18:11

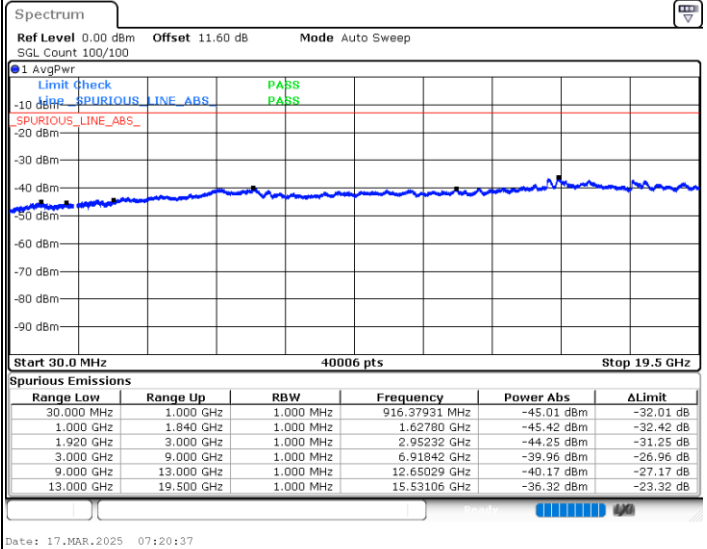


## LTE Band 2 / 10MHz

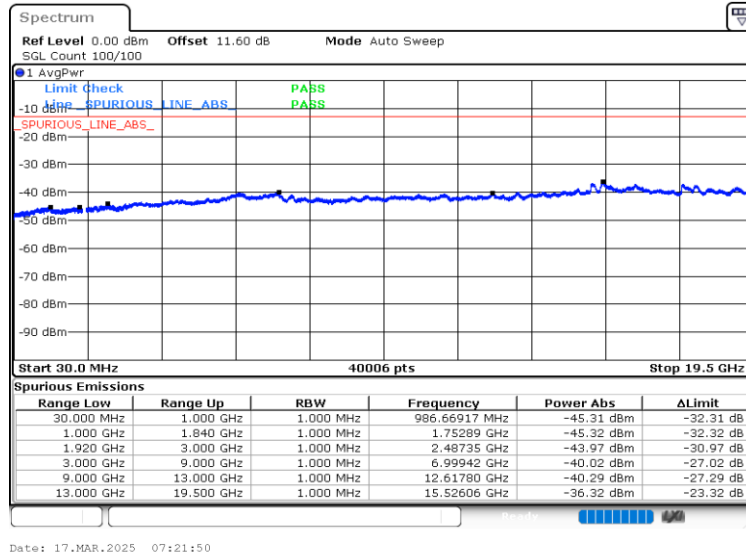
## Lowest Channel / QPSK



## Middle Channel / QPSK



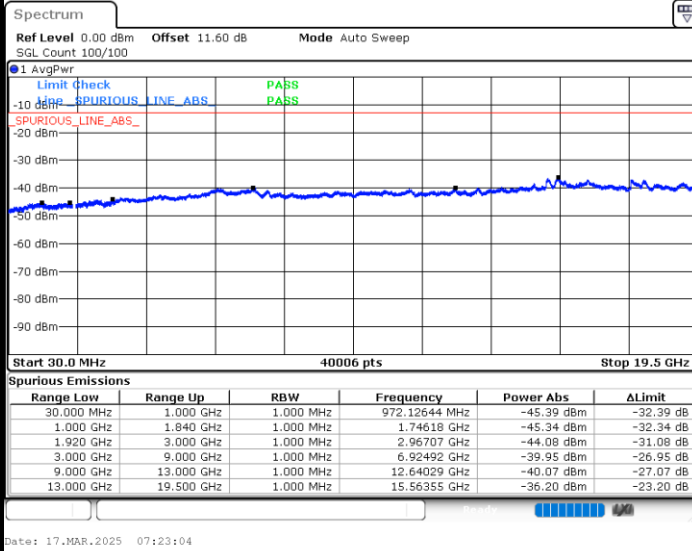
## Highest Channel / QPSK



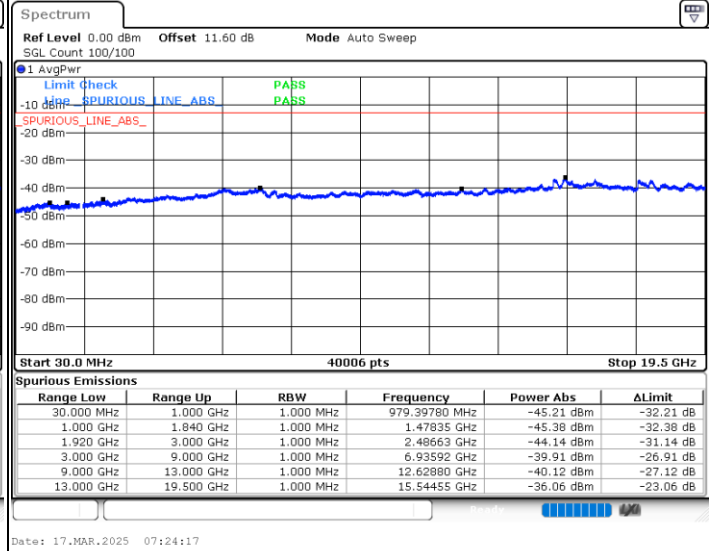


## LTE Band 2 / 15MHz

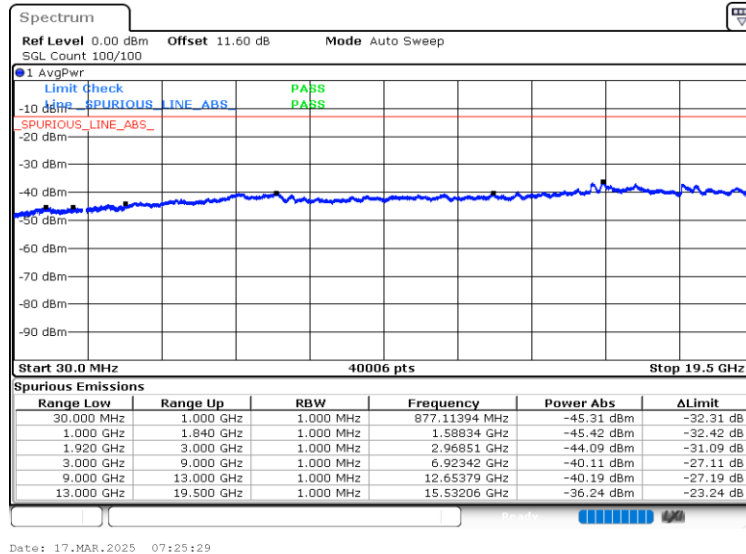
## Lowest Channel / QPSK



## Middle Channel / QPSK



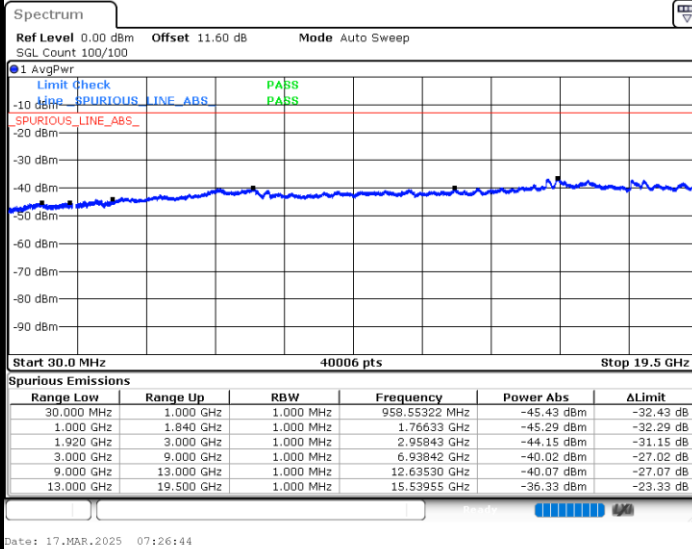
## Highest Channel / QPSK



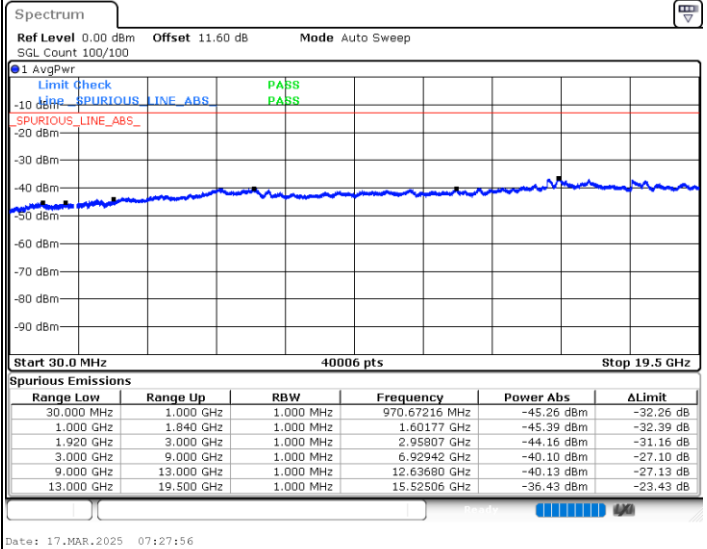


## LTE Band 2 / 20MHz

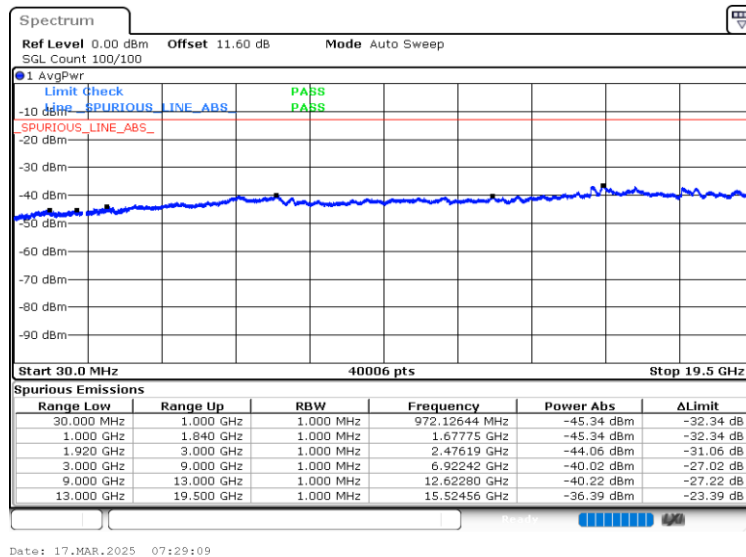
## Lowest Channel / QPSK



## Middle Channel / QPSK



## Highest Channel / QPSK



## Frequency Stability

| Test Conditions     |                   | LTE Band 2 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | Note 2. |
|                     |                   | Deviation (ppm)                    | Result  |
| 50                  | Normal Voltage    | 0.0061                             | PASS    |
| 40                  | Normal Voltage    | 0.0042                             |         |
| 30                  | Normal Voltage    | 0.0078                             |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |         |
| 10                  | Normal Voltage    | 0.0072                             |         |
| 0                   | Normal Voltage    | 0.0079                             |         |
| -10                 | Normal Voltage    | 0.0001                             |         |
| -20                 | Normal Voltage    | 0.0005                             |         |
| -30                 | Normal Voltage    | 0.0006                             |         |
| 20                  | Maximum Voltage   | 0.0019                             |         |
| 20                  | Normal Voltage    | 0.0000                             |         |
| 20                  | Minimum Voltage   | 0.0044                             |         |

**Note:**

1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



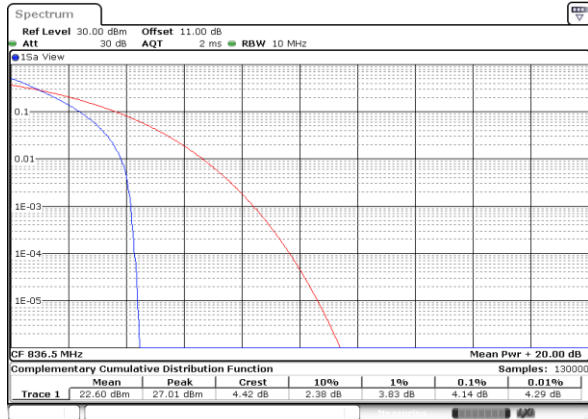
## LTE Band 5

### Peak-to-Average Ratio

| Mode      | LTE Band 5 / 10MHz |         |         |         |             |
|-----------|--------------------|---------|---------|---------|-------------|
| Mod.      | QPSK               | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB            | Full RB | Full RB | Full RB | Result      |
| Middle CH | 4.14               | 5.22    | 5.88    | 6.49    | PASS        |

## LTE Band 5 / 10MHz / QPSK

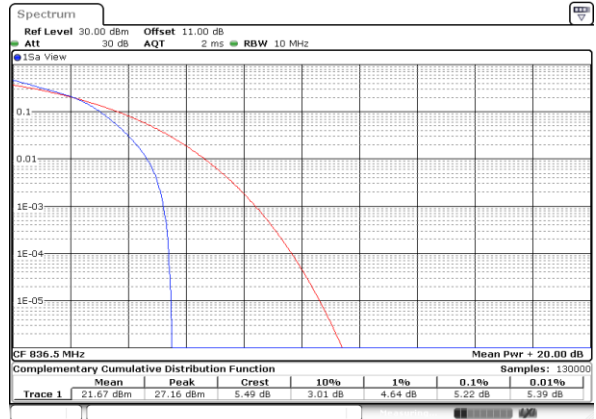
### Middle Channel / Full RB



Date: 17.MAR.2025 09:27:32

## LTE Band 5 / 10MHz / 16QAM

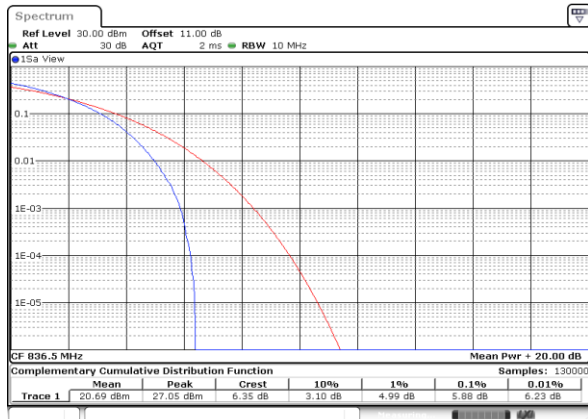
### Middle Channel / Full RB



Date: 17.MAR.2025 09:27:56

## LTE Band 5 / 10MHz / 64QAM

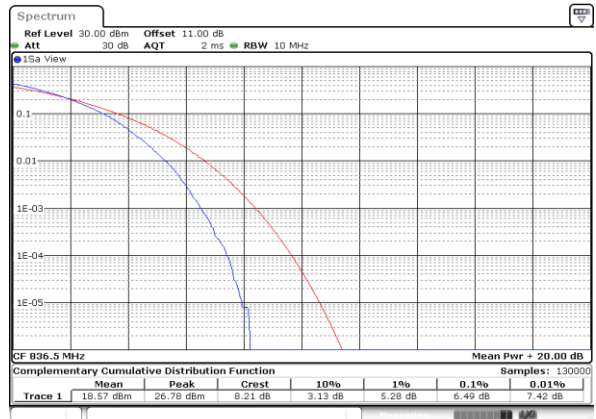
### Middle Channel / Full RB



Date: 17.MAR.2025 09:28:19

## LTE Band 5 / 10MHz / 256QAM

### Middle Channel / Full RB



Date: 17.MAR.2025 09:28:43

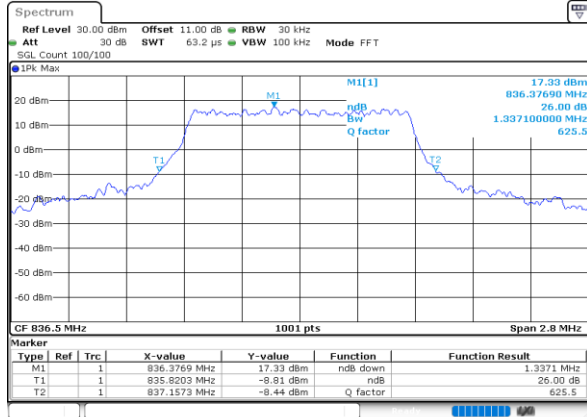
**26dB Bandwidth**

| Mode      | LTE Band 5 : 26dB BW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
|-----------|---------------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| BW        | 1.4MHz                    |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | QPSK                      | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | 1.33                      | 1.28   | 3.06  | 3.05   | 4.97  | 4.99   | 10.18 | 10.00  | -     | -      | -     | -      |
| Mode      | LTE Band 5 : 26dB BW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
| BW        | 1.4MHz                    |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | 64QAM                     | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 1.32                      | 1.35   | 3.11  | 3.08   | 5.01  | 5.01   | 10.10 | 10.18  | -     | -      | -     | -      |

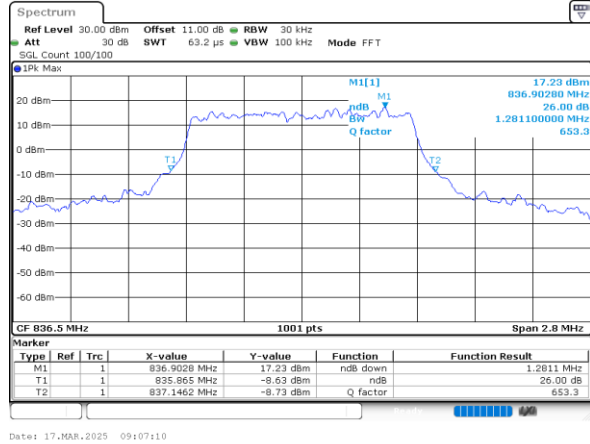


## LTE Band 5

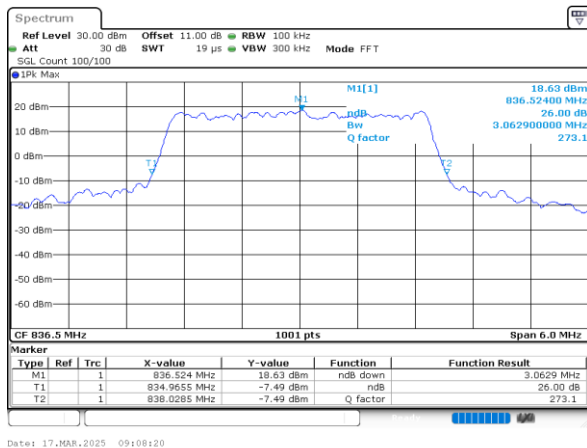
## Middle Channel / 1.4MHz / QPSK



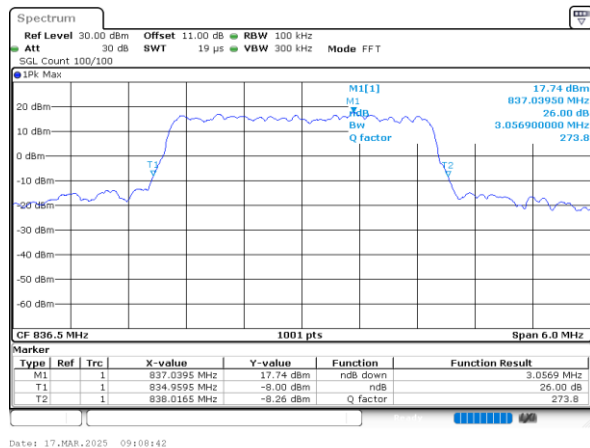
## Middle Channel / 1.4MHz / 16QAM



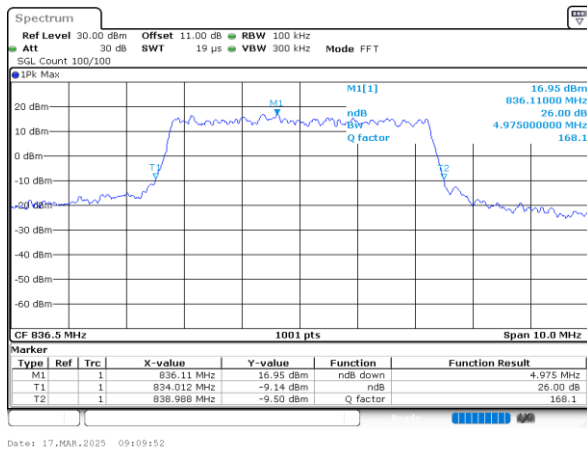
## Middle Channel / 3MHz / QPSK



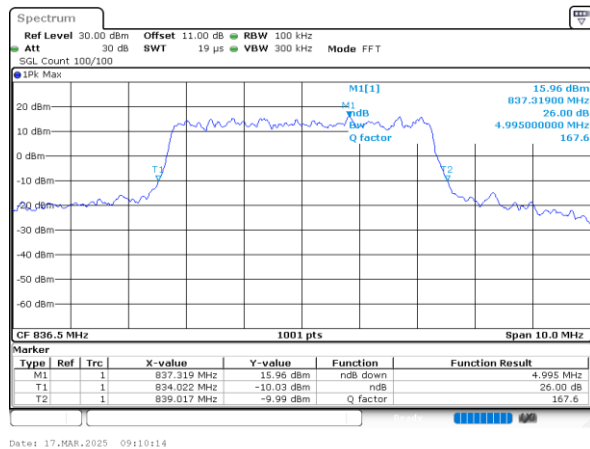
## Middle Channel / 3MHz / 16QAM



## Middle Channel / 5MHz / QPSK



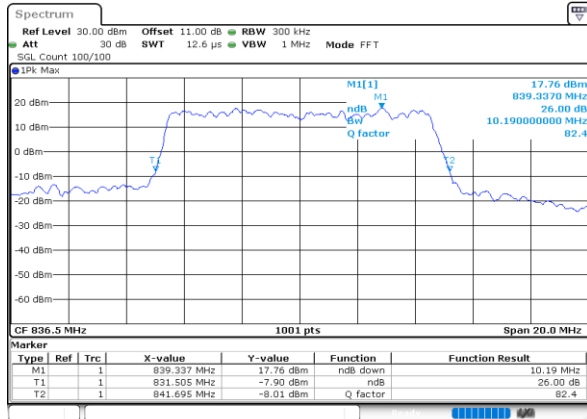
## Middle Channel / 5MHz / 16QAM



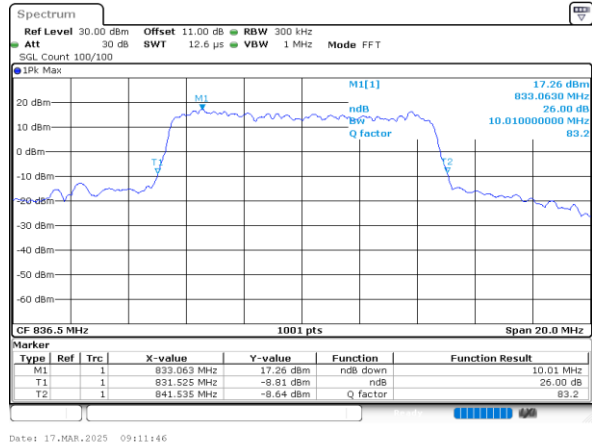


## LTE Band 5

## Middle Channel / 10MHz / QPSK

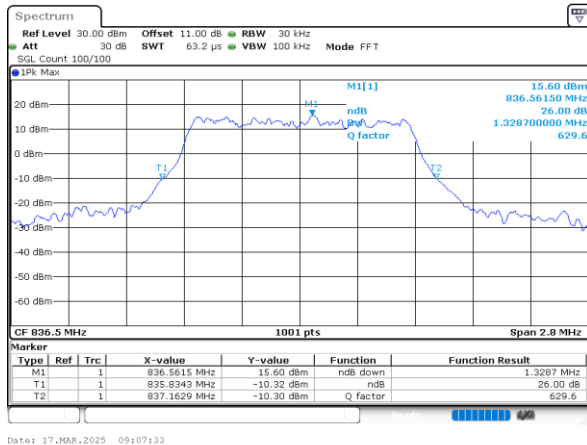


## Middle Channel / 10MHz / 16QAM

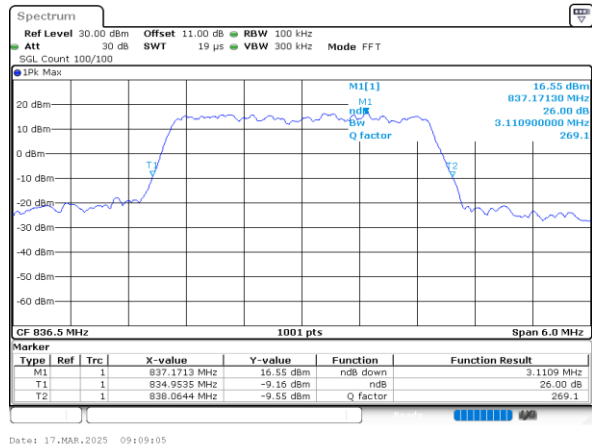


## LTE Band 5

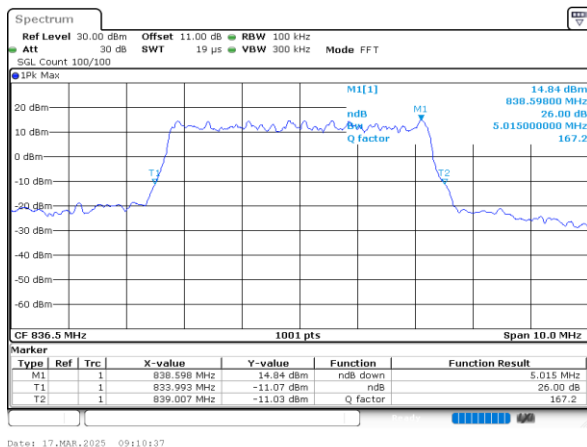
## Middle Channel / 1.4MHz / 64QAM



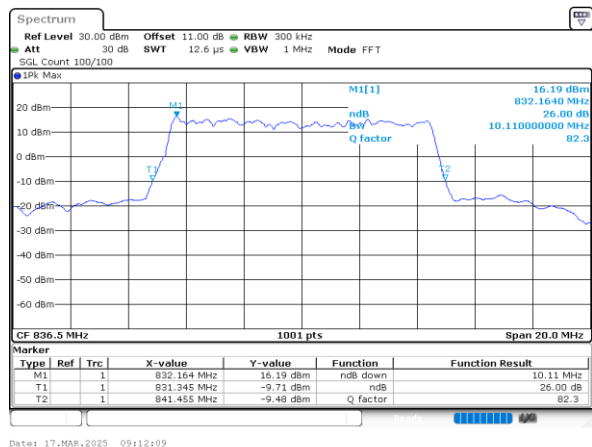
## Middle Channel / 3MHz / 64QAM



## Middle Channel / 5MHz / 64QAM



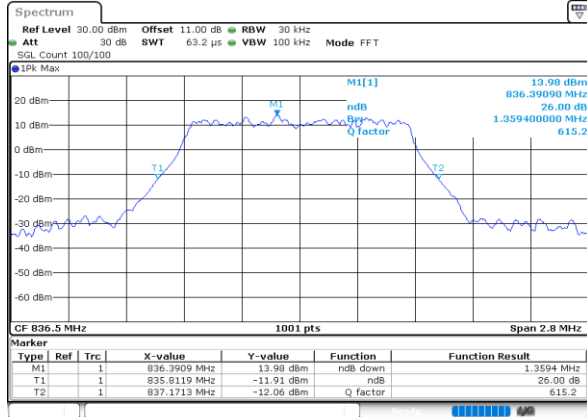
## Middle Channel / 10MHz / 64QAM



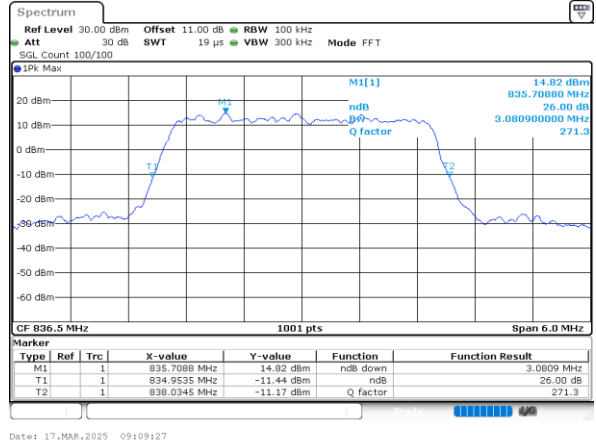


## LTE Band 5

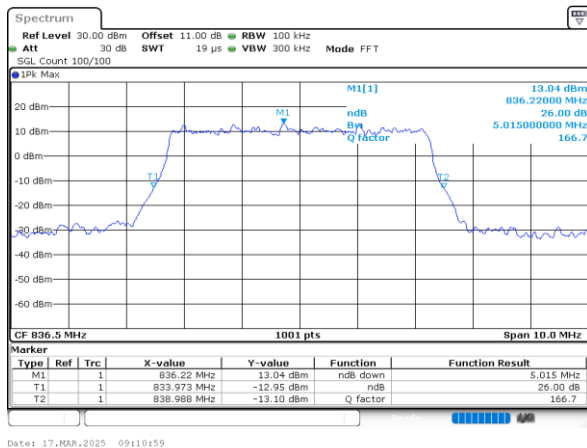
## Middle Channel / 1.4MHz / 256QAM



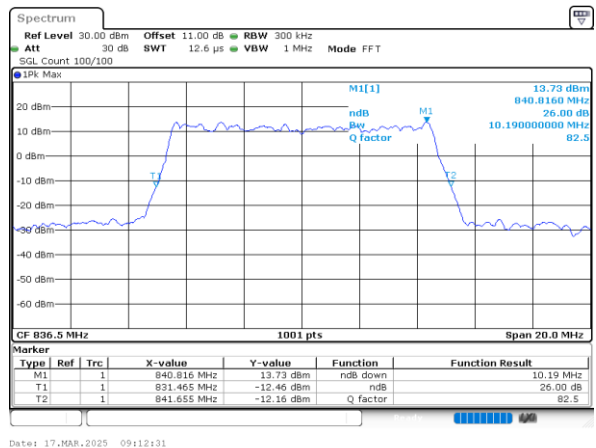
## Middle Channel / 3MHz / 256QAM



## Middle Channel / 5MHz / 256QAM



## Middle Channel / 10MHz / 256QAM



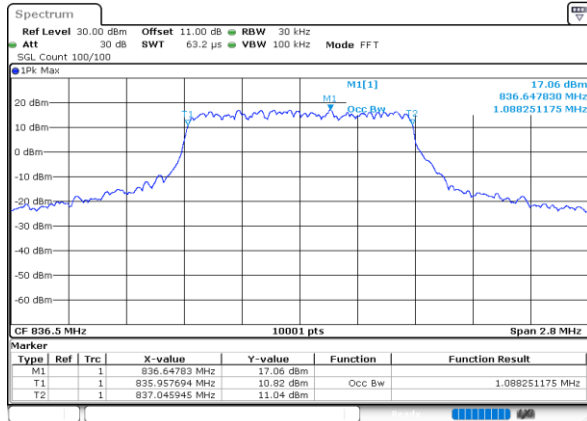
**Occupied Bandwidth**

| Mode      | LTE Band 5 : 99%OBW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
|-----------|--------------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| BW        | 1.4MHz                   |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | QPSK                     | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | 1.08                     | 1.11   | 2.74  | 2.73   | 4.51  | 4.49   | 9.08  | 9.08   | -     | -      | -     | -      |
| Mode      | LTE Band 5 : 99%OBW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
| BW        | 1.4MHz                   |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | 64QAM                    | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 1.10                     | 1.09   | 2.74  | 2.73   | 4.46  | 4.50   | 9.06  | 9.08   | -     | -      | -     | -      |

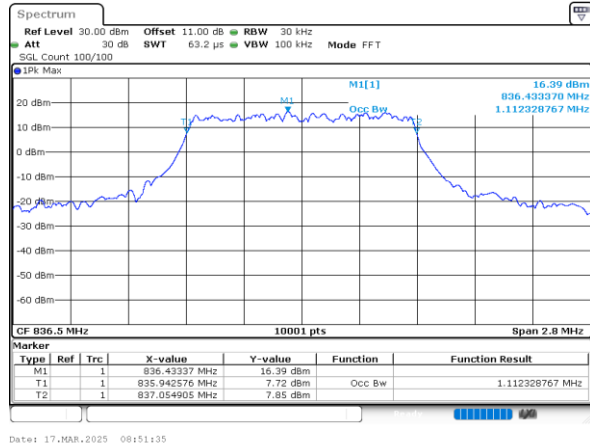


## LTE Band 5

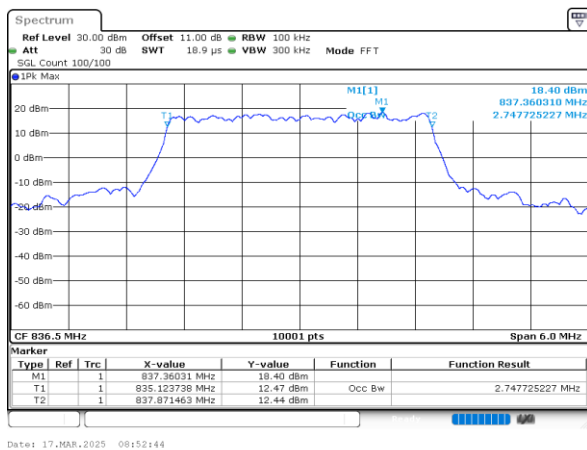
## Middle Channel / 1.4MHz / QPSK



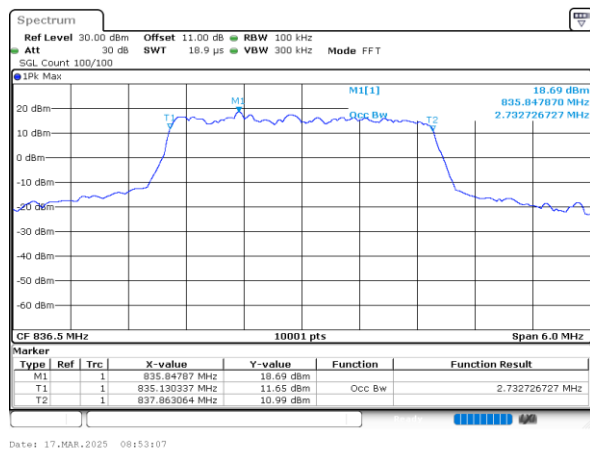
## Middle Channel / 1.4MHz / 16QAM



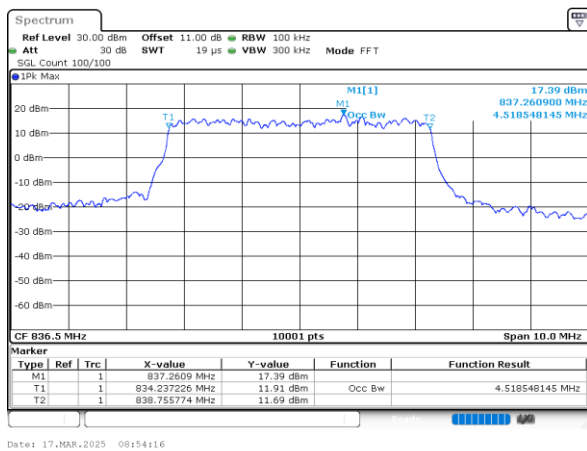
## Middle Channel / 3MHz / QPSK



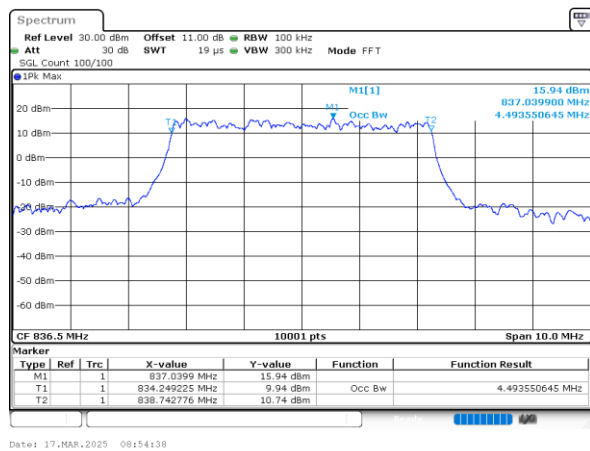
## Middle Channel / 3MHz / 16QAM



## Middle Channel / 5MHz / QPSK



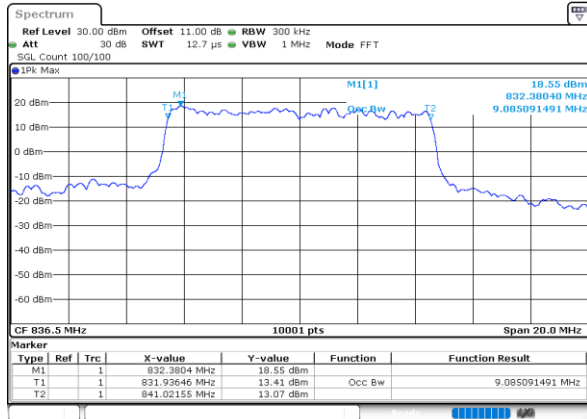
## Middle Channel / 5MHz / 16QAM



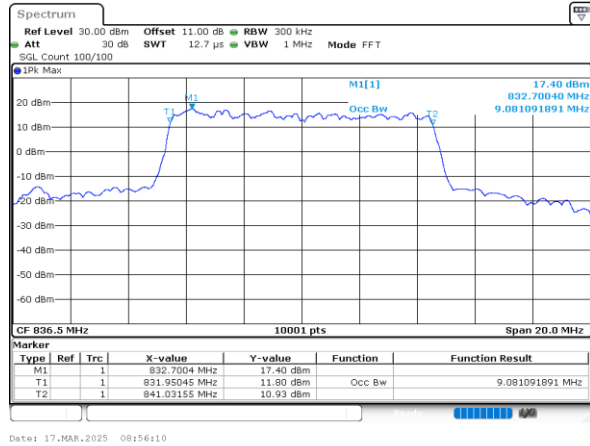


## LTE Band 5

## Middle Channel / 10MHz / QPSK

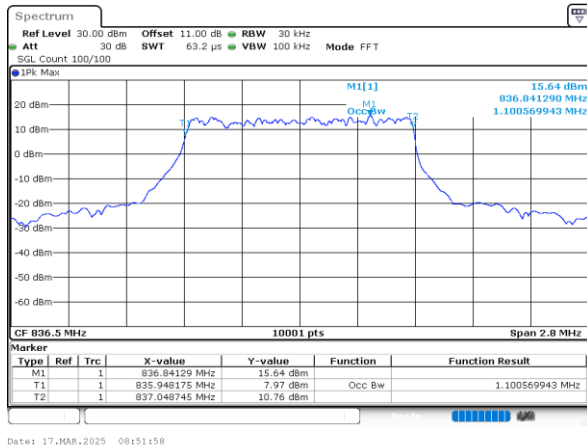


## Middle Channel / 10MHz / 16QAM

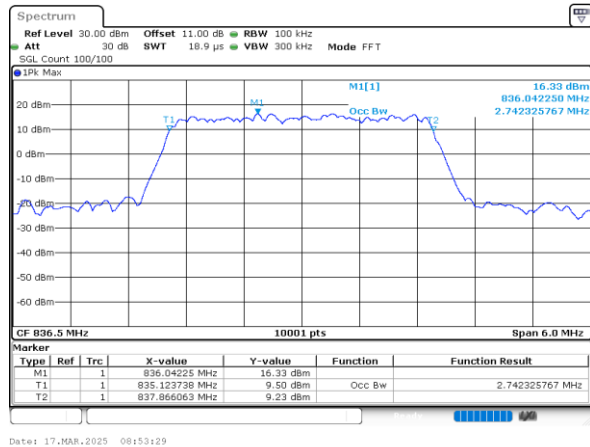


## LTE Band 5

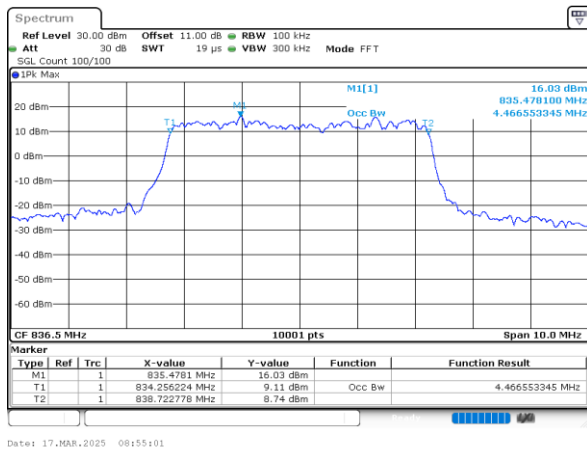
## Middle Channel / 1.4MHz / 64QAM



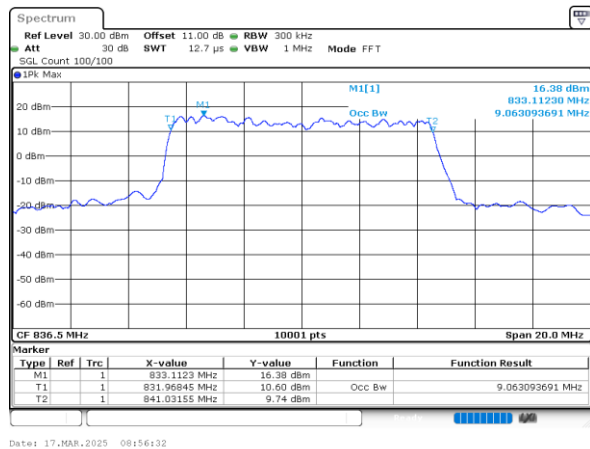
## Middle Channel / 3MHz / 64QAM



## Middle Channel / 5MHz / 64QAM



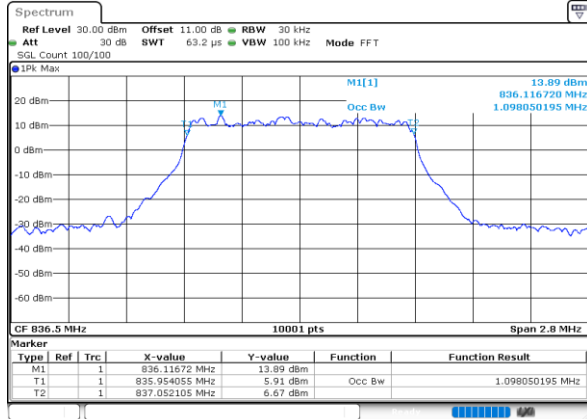
## Middle Channel / 10MHz / 64QAM



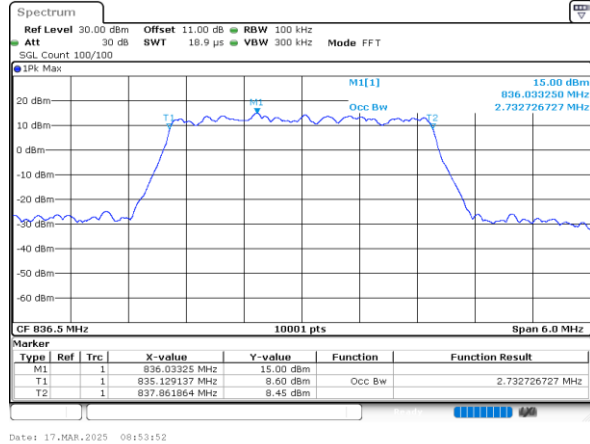


## LTE Band 5

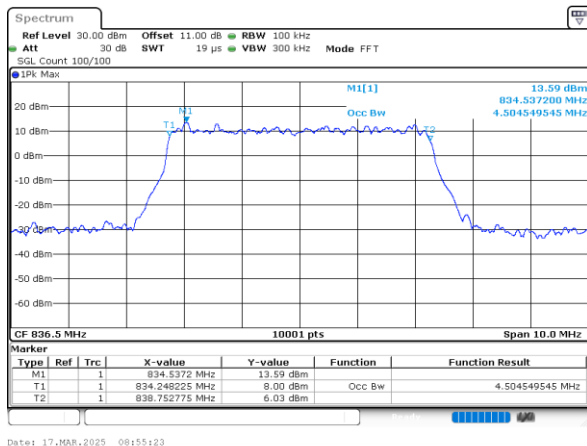
## Middle Channel / 1.4MHz / 256QAM



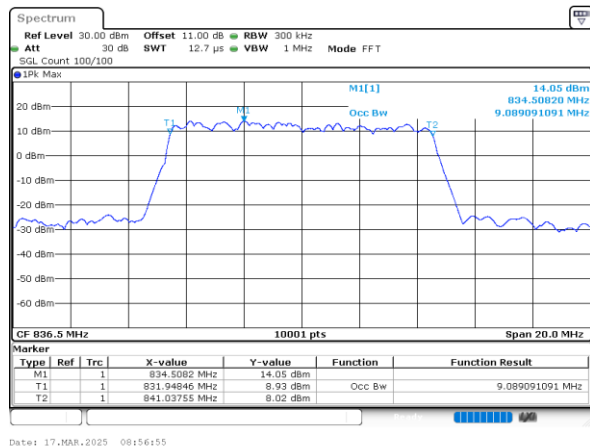
## Middle Channel / 3MHz / 256QAM



## Middle Channel / 5MHz / 256QAM



## Middle Channel / 10MHz / 256QAM

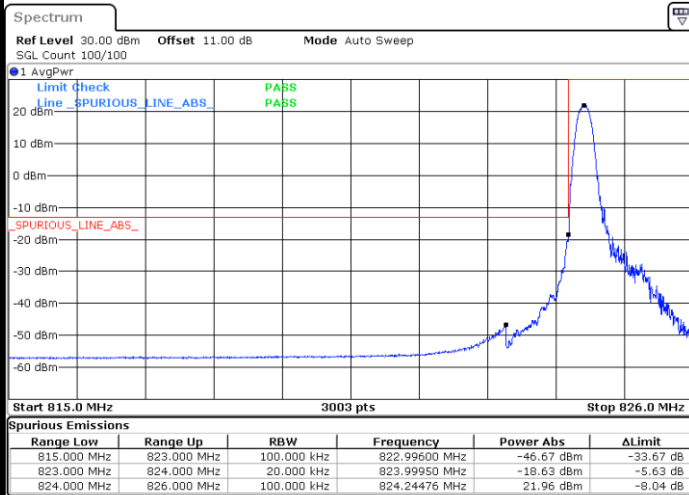




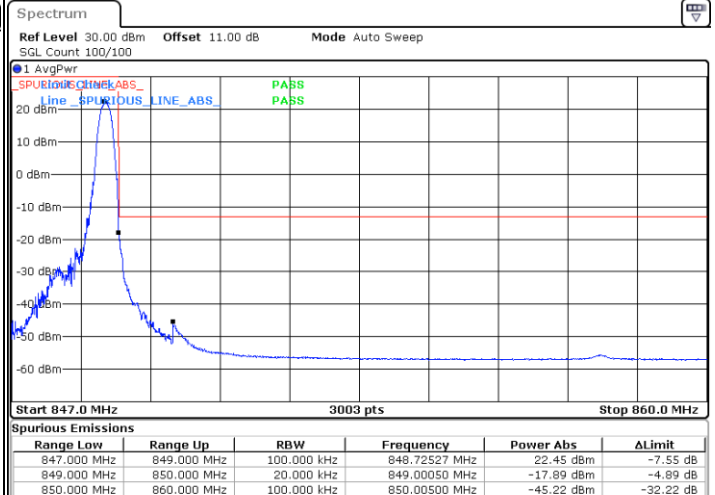
# Conducted Band Edge

## LTE Band 5 / 1.4MHz / QPSK

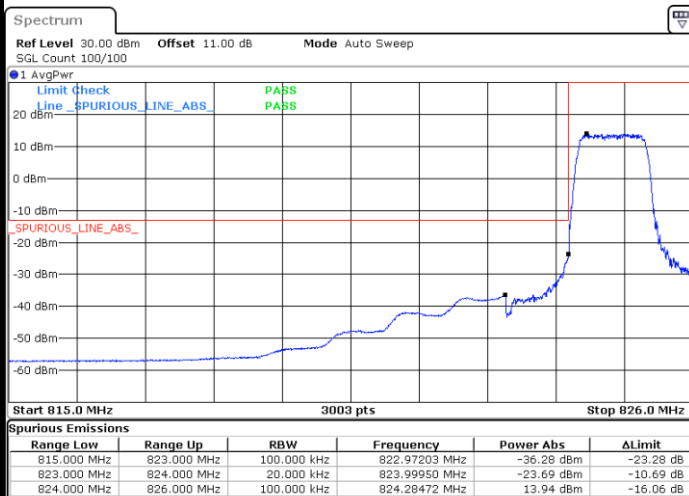
### Lowest Band Edge / 1RB



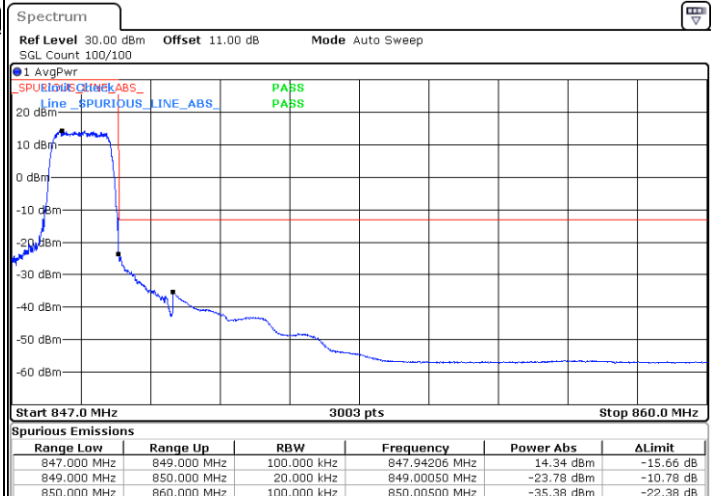
### Highest Band Edge / 1RB



### Lowest Band Edge / Full RB



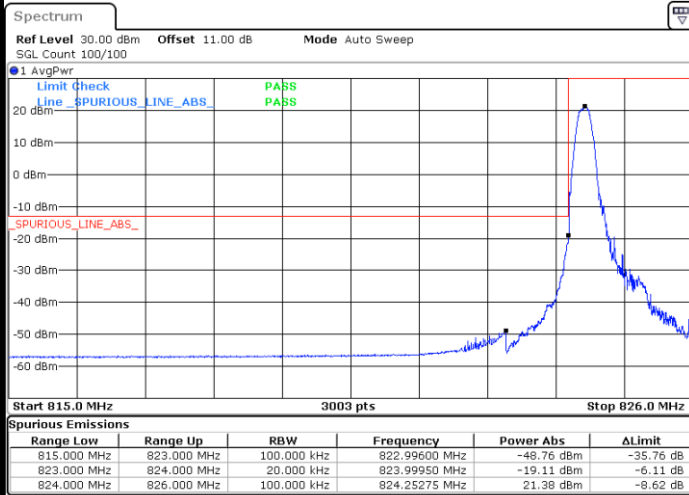
### Highest Band Edge / Full RB



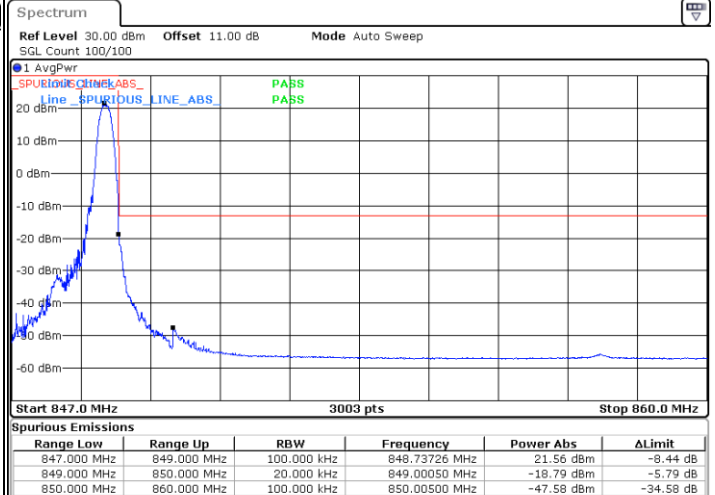


## LTE Band 5 / 1.4MHz / 16QAM

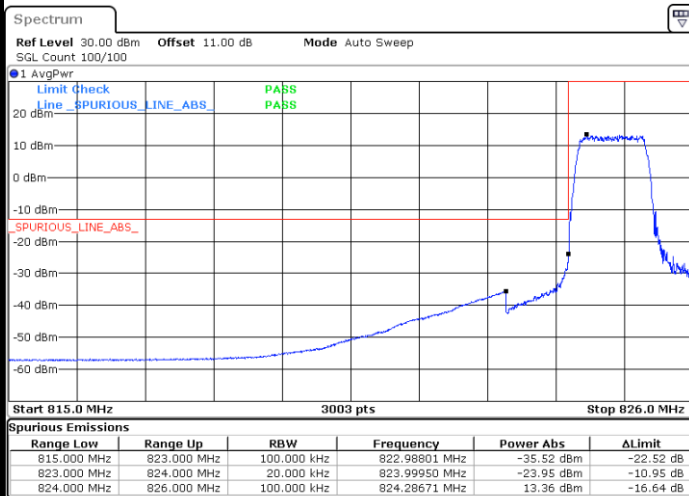
## Lowest Band Edge / 1 RB



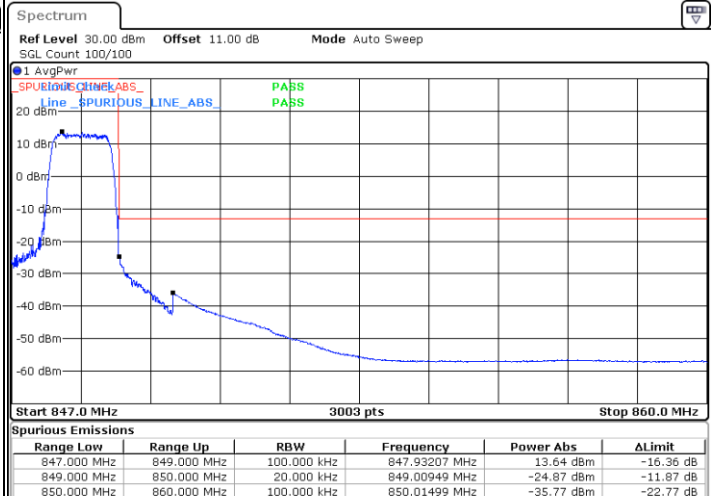
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



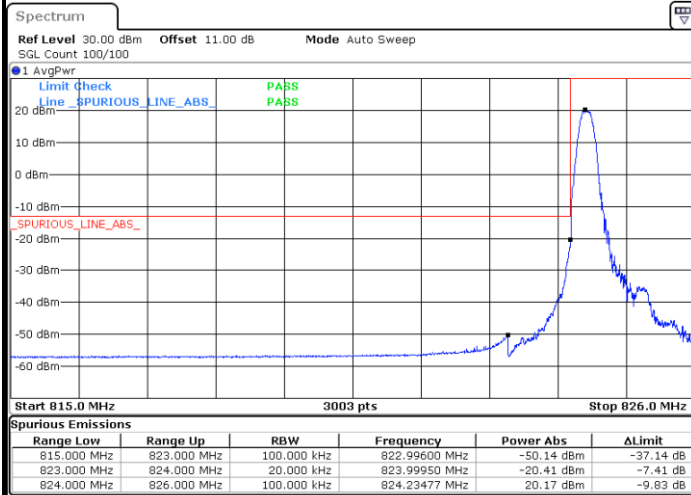
## Highest Band Edge / Full RB



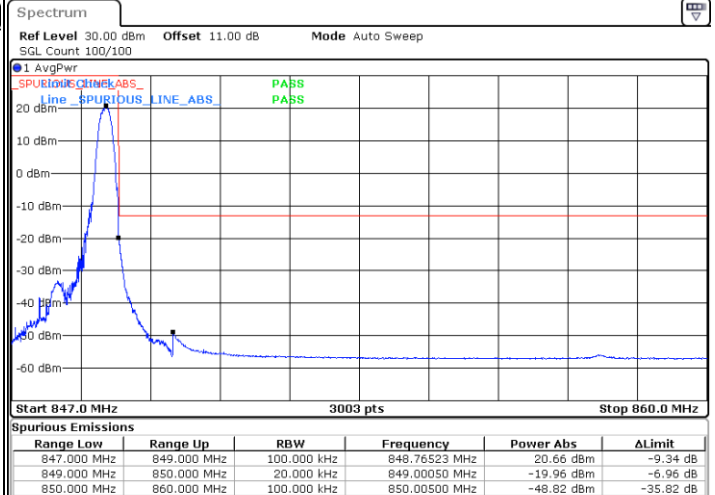


## LTE Band 5 / 1.4MHz / 64QAM

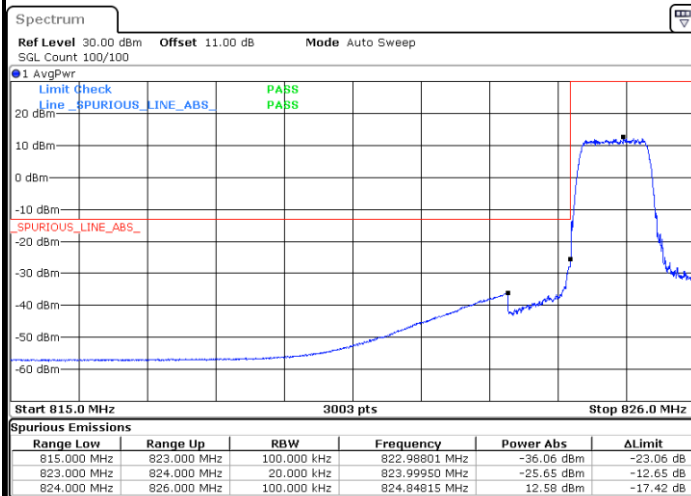
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



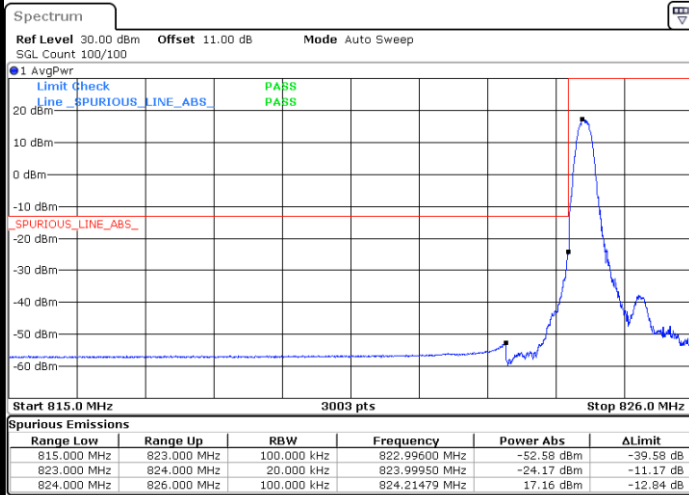
## Highest Band Edge / Full RB



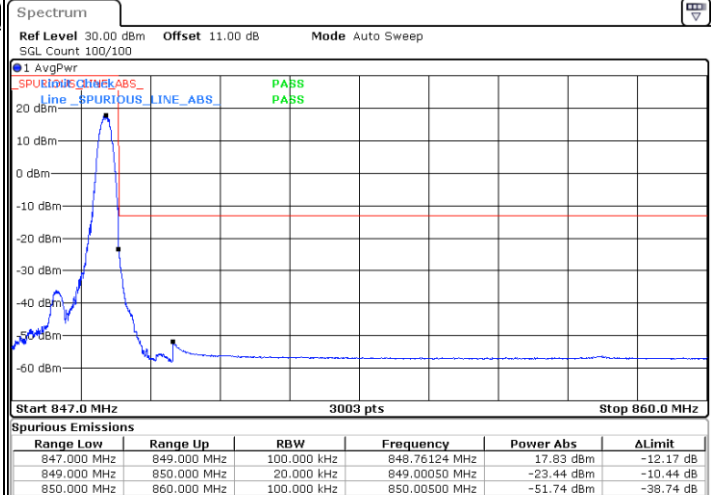


## LTE Band 5 / 1.4MHz / 256QAM

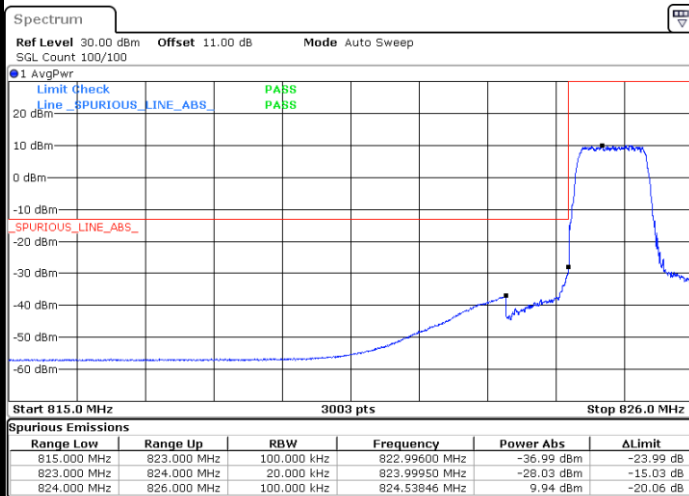
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



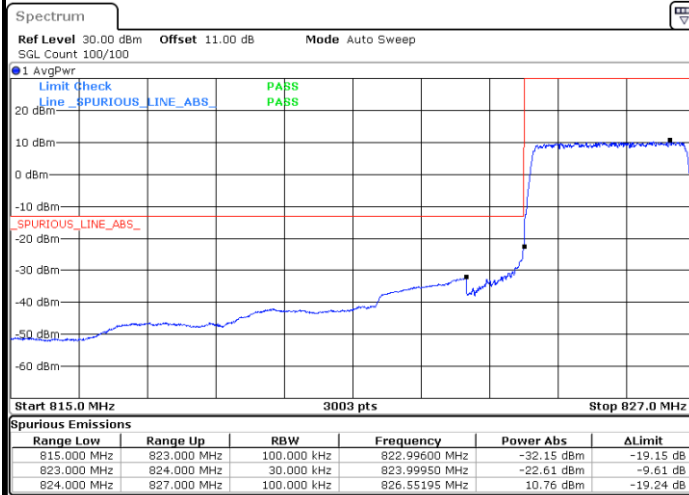
## Highest Band Edge / Full RB



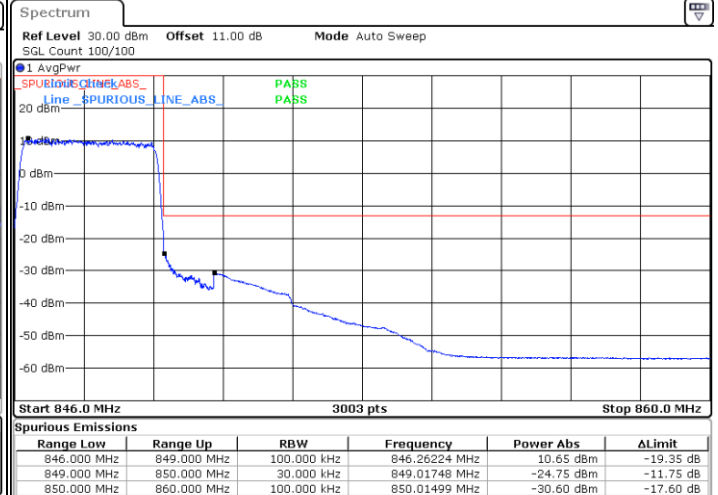


## LTE Band 5 / 3MHz / QPSK

## Lowest Band Edge / Full RB

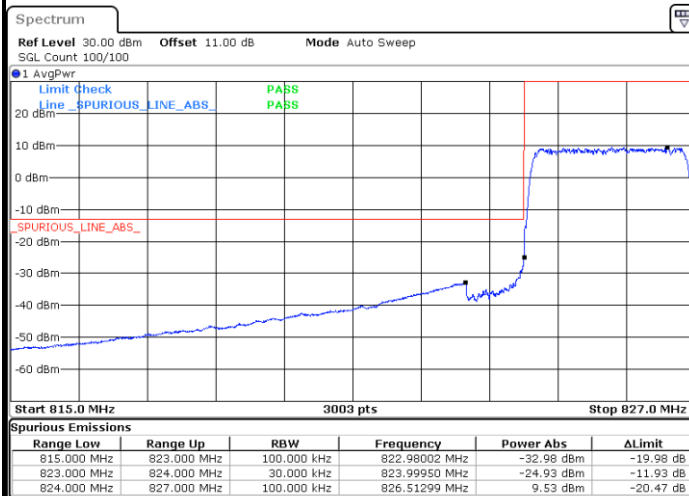


## Highest Band Edge / Full RB

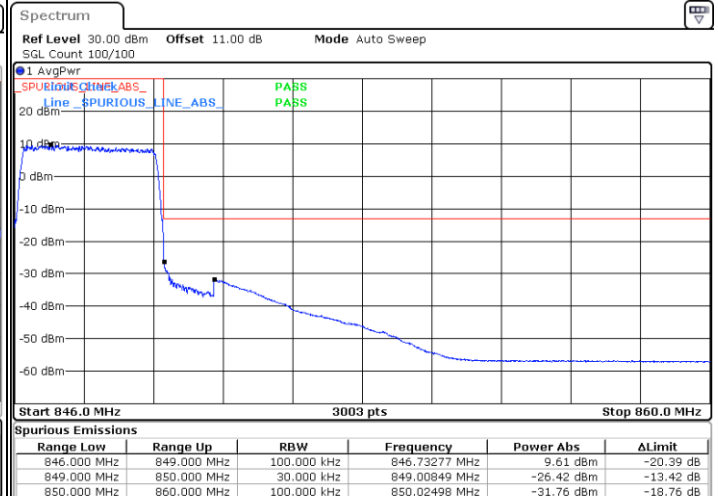


## LTE Band 5 / 3MHz / 16QAM

## Lowest Band Edge / Full RB



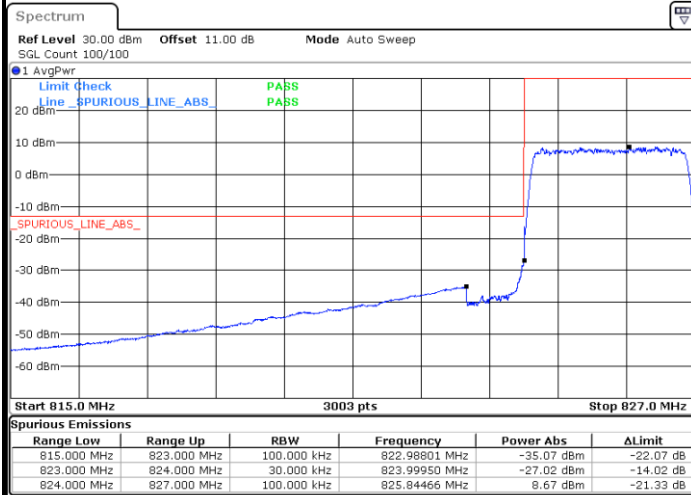
## Highest Band Edge / Full RB





## LTE Band 5 / 3MHz / 64QAM

## Lowest Band Edge / Full RB

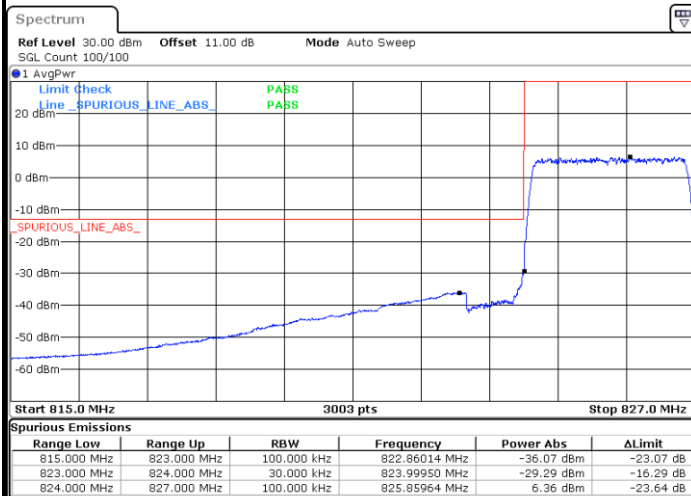


## Highest Band Edge / Full RB

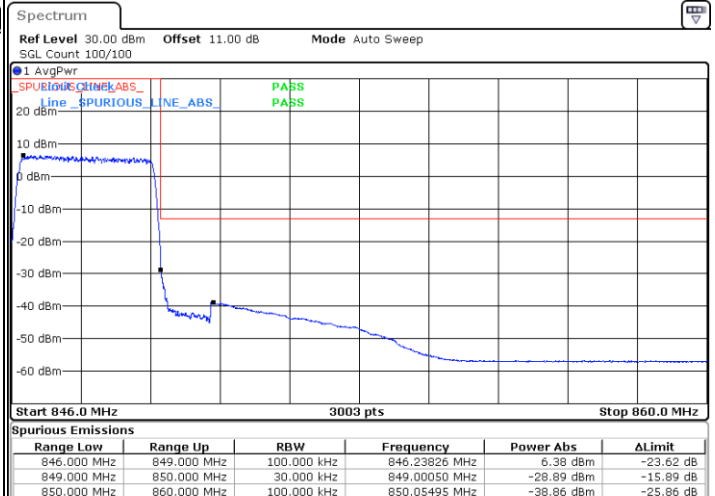


## LTE Band 5 / 3MHz / 256QAM

## Lowest Band Edge / Full RB



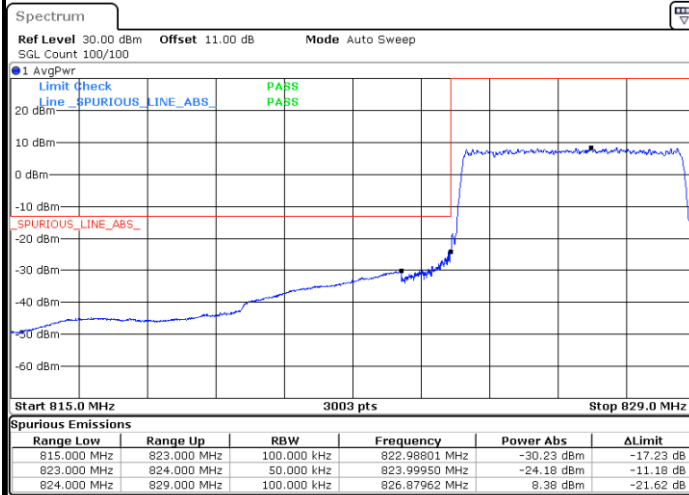
## Highest Band Edge / Full RB



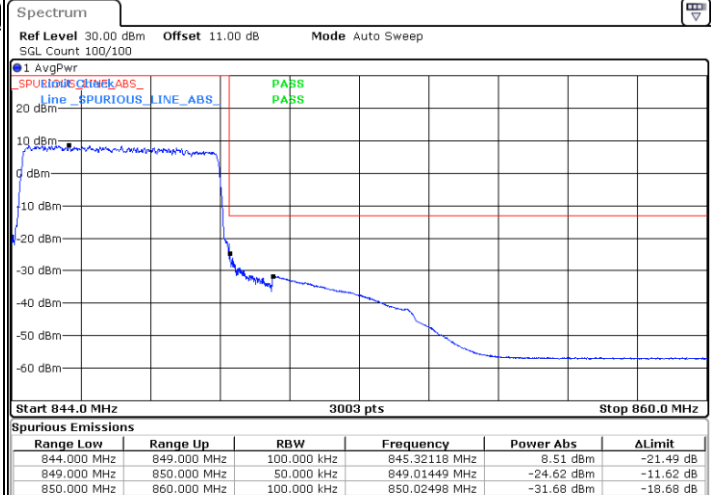


## LTE Band 5 / 5MHz / QPSK

## Lowest Band Edge / Full RB

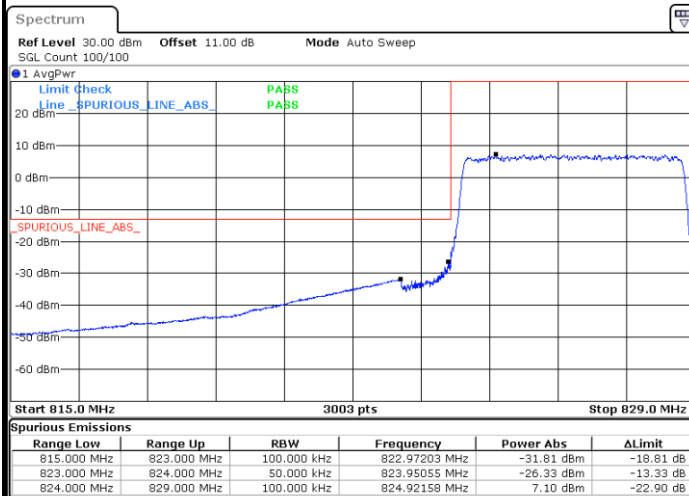


## Highest Band Edge / Full RB

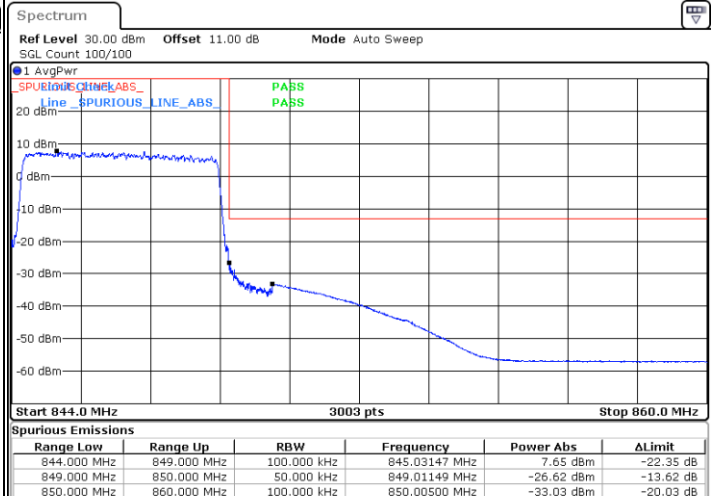


## LTE Band 5 / 5MHz / 16QAM

## Lowest Band Edge / Full RB



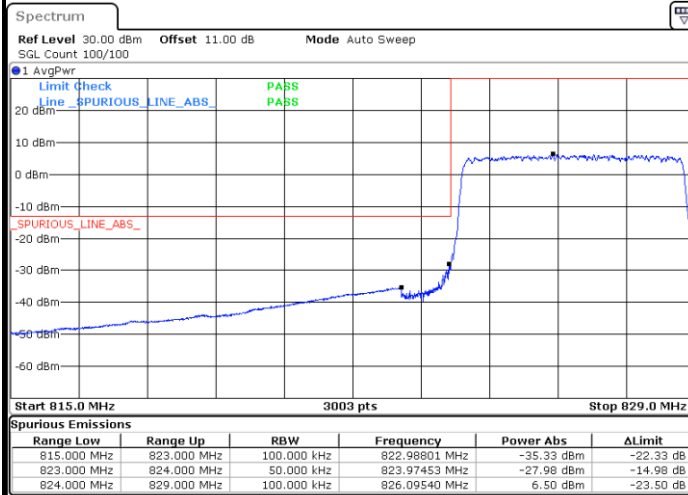
## Highest Band Edge / Full RB



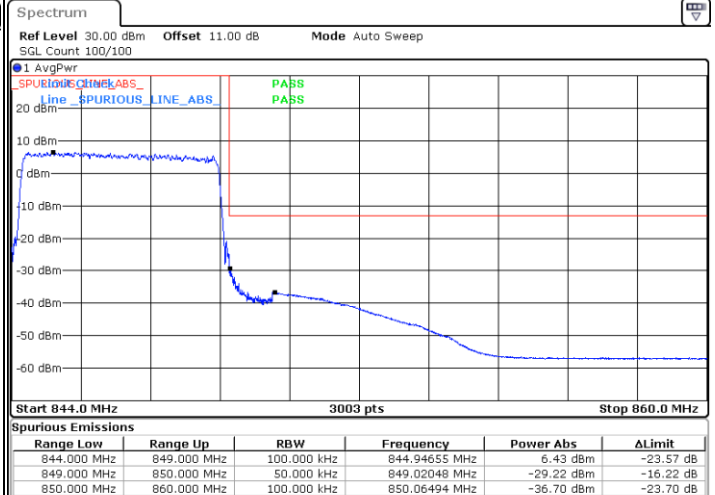


## LTE Band 5 / 5MHz / 64QAM

## Lowest Band Edge / Full RB

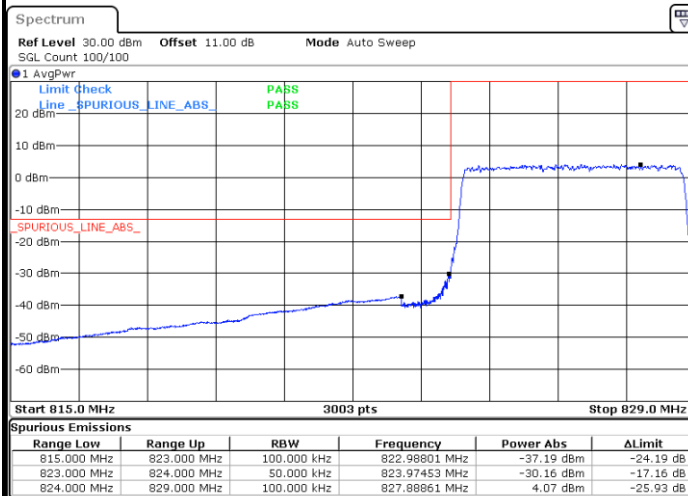


## Highest Band Edge / Full RB

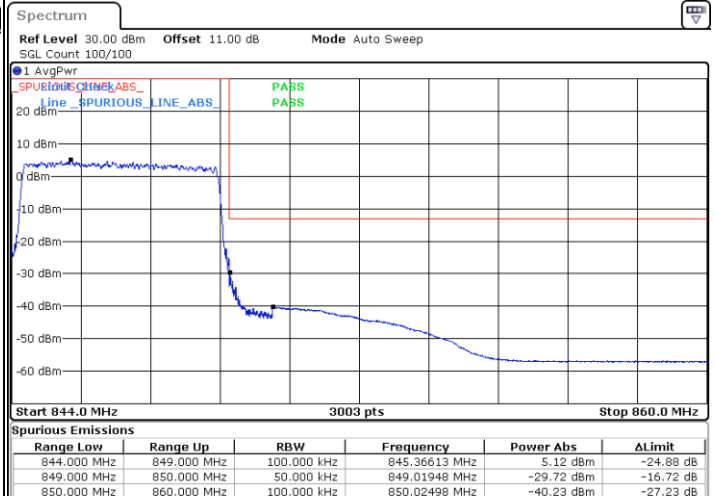


## LTE Band 5 / 5MHz / 256QAM

## Lowest Band Edge / Full RB



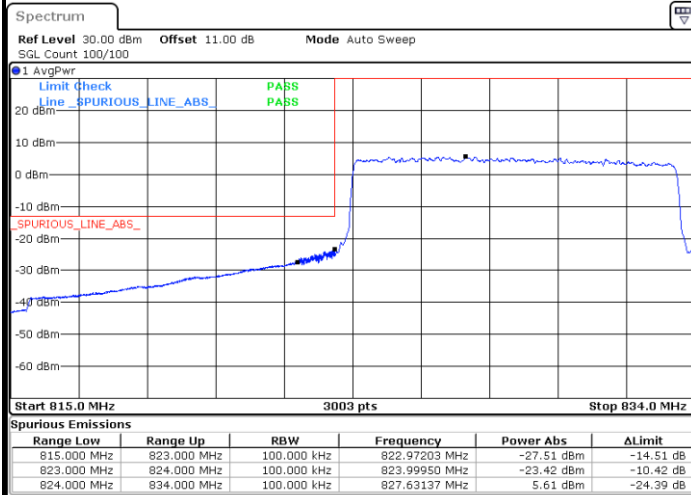
## Highest Band Edge / Full RB



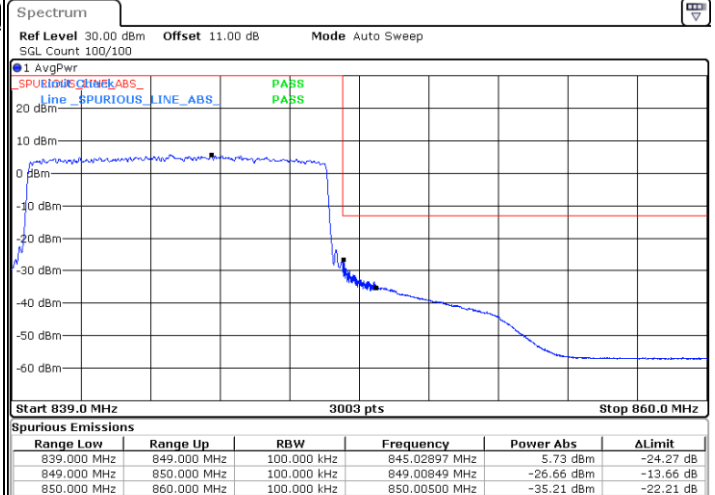


## LTE Band 5 / 10MHz / QPSK

## Lowest Band Edge / Full RB

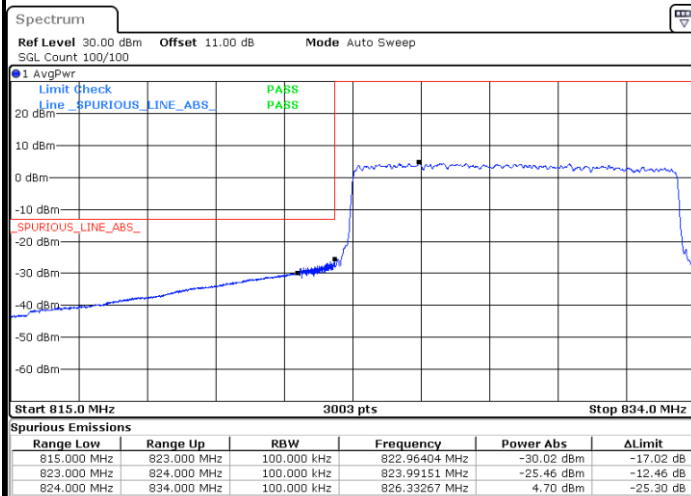


## Highest Band Edge / Full RB

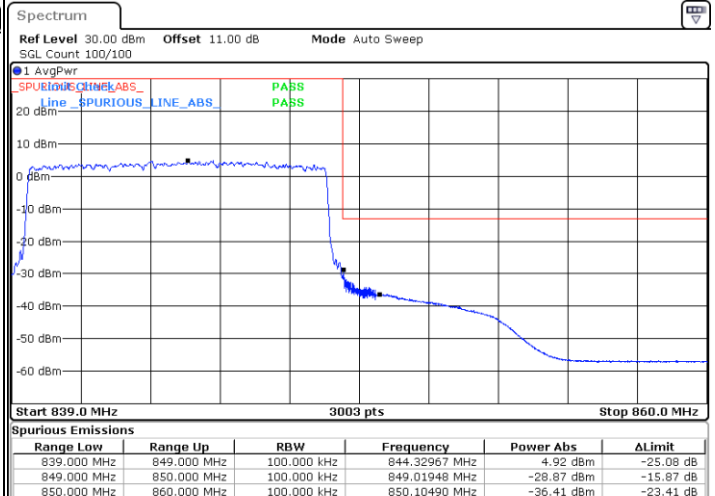


## LTE Band 5 / 10MHz / 16QAM

## Lowest Band Edge / Full RB



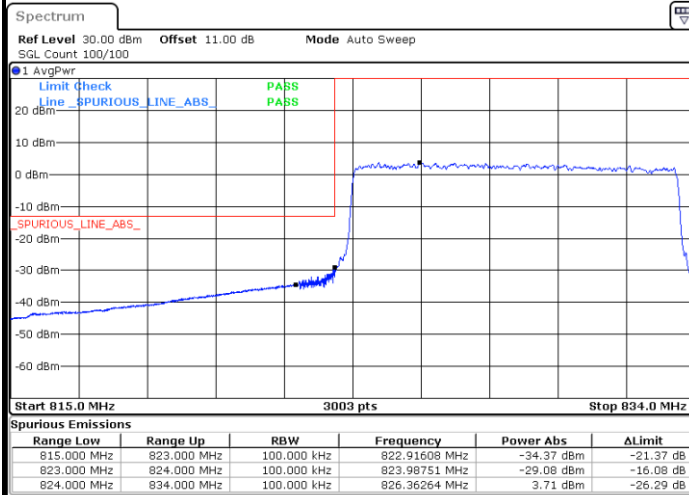
## Highest Band Edge / Full RB



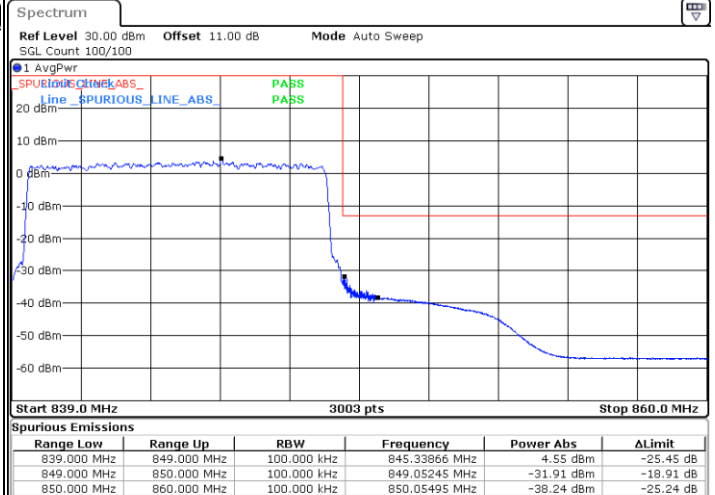


## LTE Band 5 / 10MHz / 64QAM

## Lowest Band Edge / Full RB

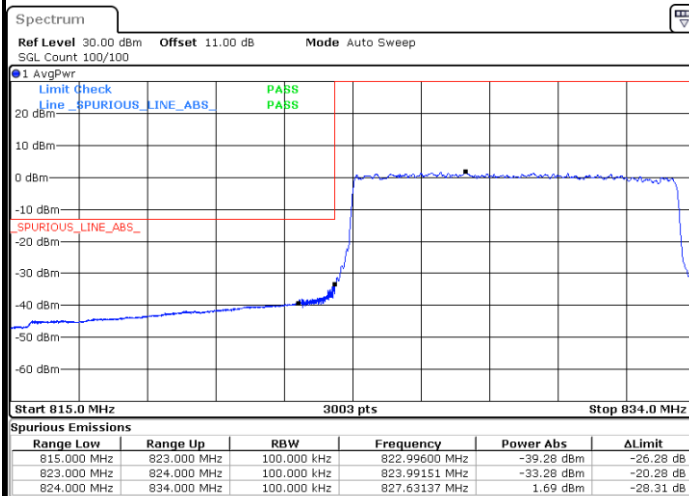


## Highest Band Edge / Full RB

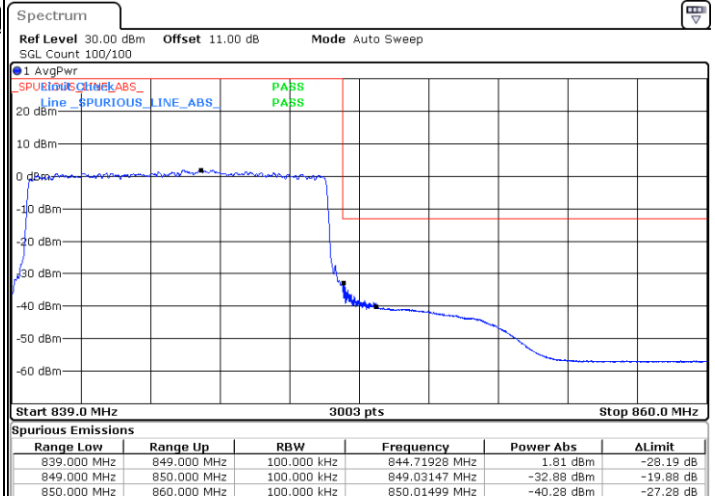


## LTE Band 5 / 10MHz / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

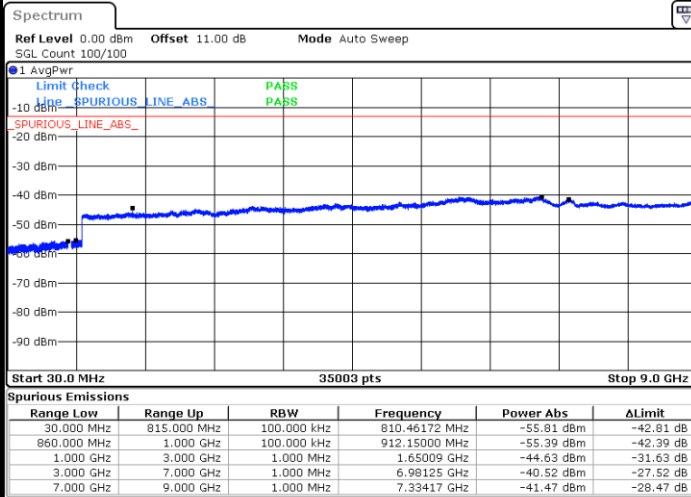




# Conducted Spurious Emission

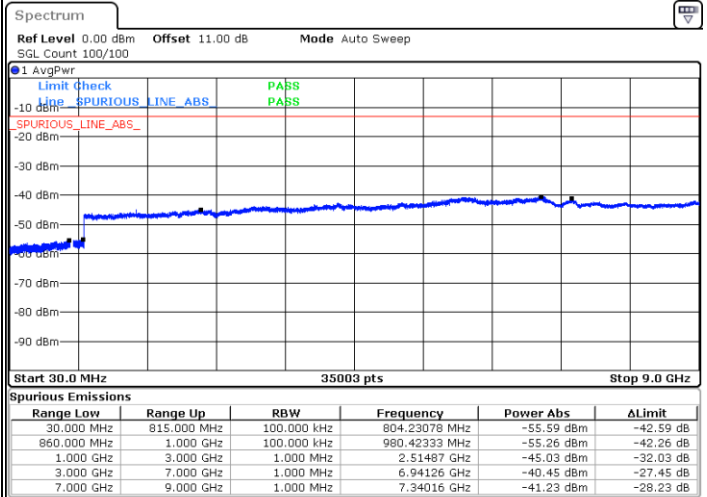
## LTE Band 5 / 1.4MHz

### Lowest Channel / QPSK



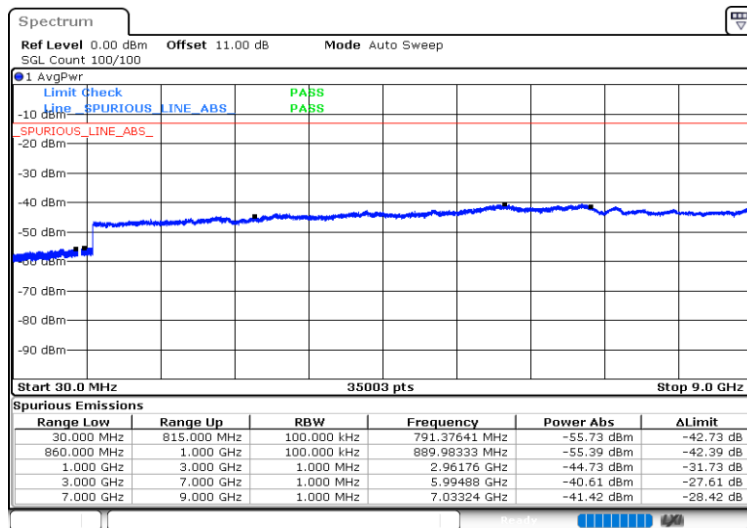
Date: 17.MAR.2025 09:13:44

### Middle Channel / QPSK



Date: 17.MAR.2025 09:14:56

### Highest Channel / QPSK

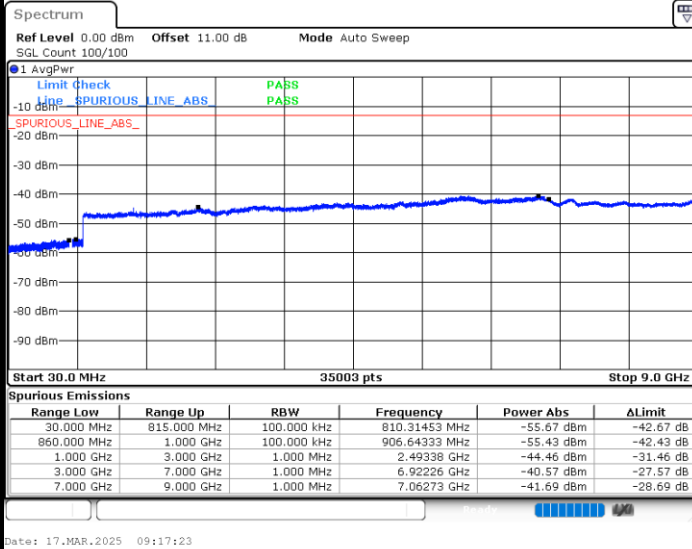


Date: 17.MAR.2025 09:16:09

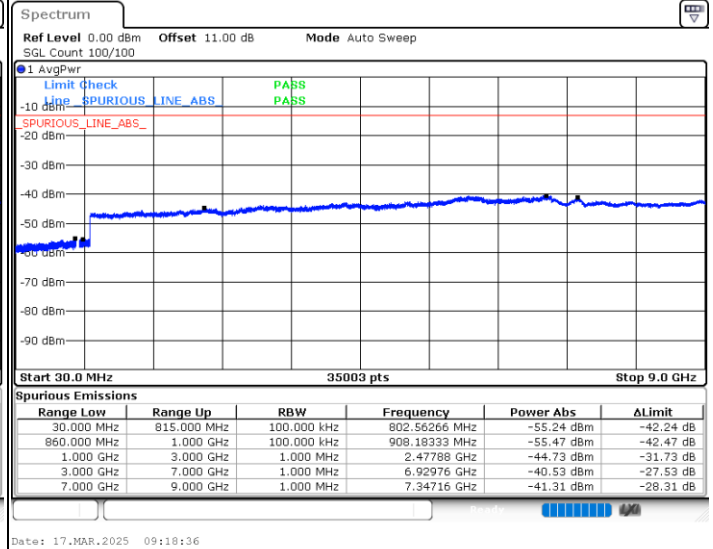


## LTE Band 5 / 3MHz

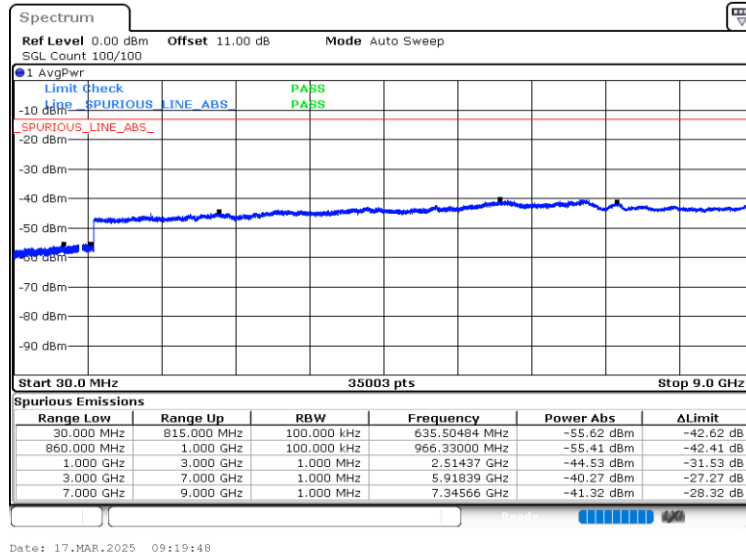
## Lowest Channel / QPSK



## Middle Channel / QPSK



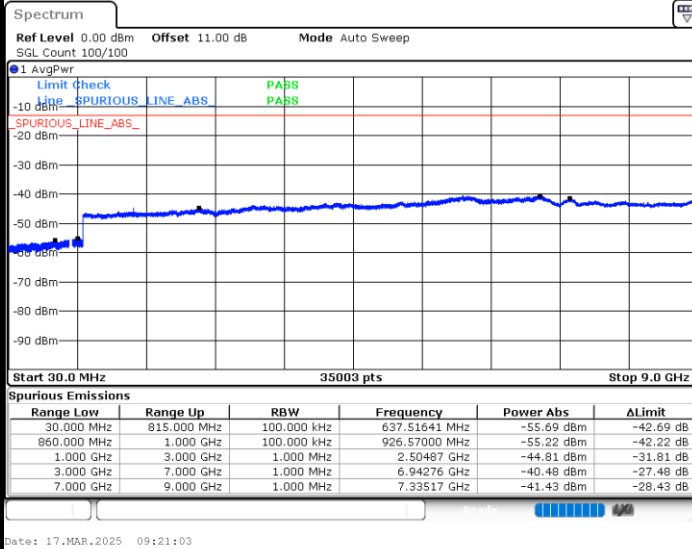
## Highest Channel / QPSK



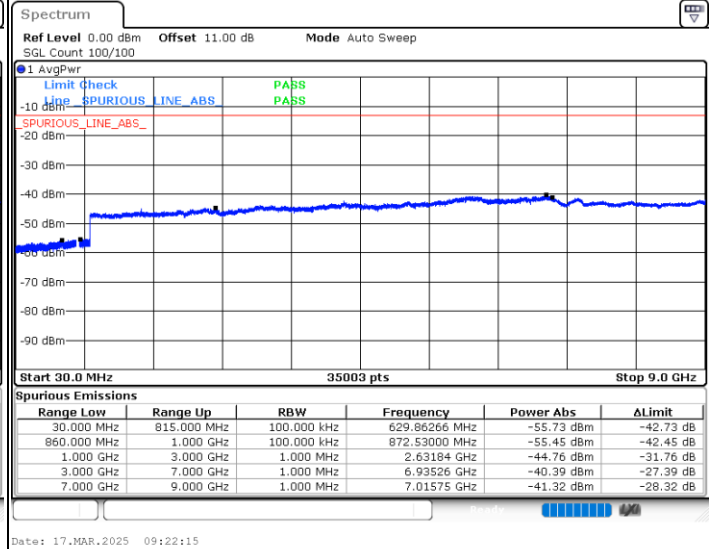


## LTE Band 5 / 5MHz

## Lowest Channel / QPSK



## Middle Channel / QPSK



## Highest Channel / QPSK

