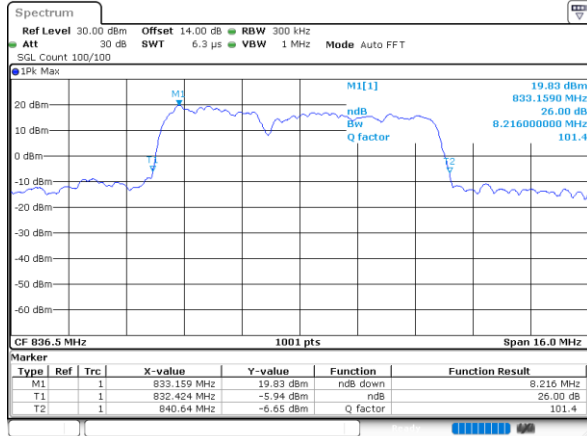




## LTE Band 5B

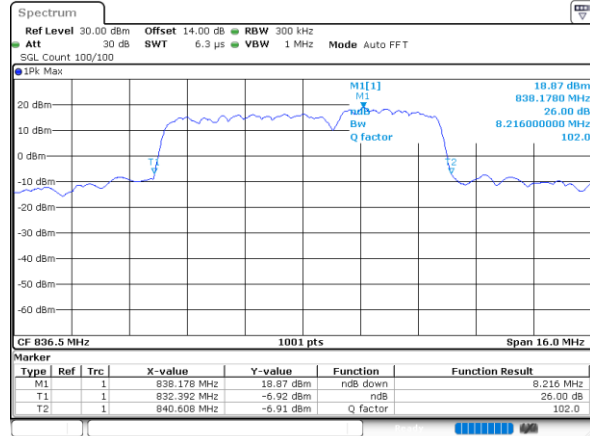
## 16QAM

## Middle Channel / 3MHz+5MHz



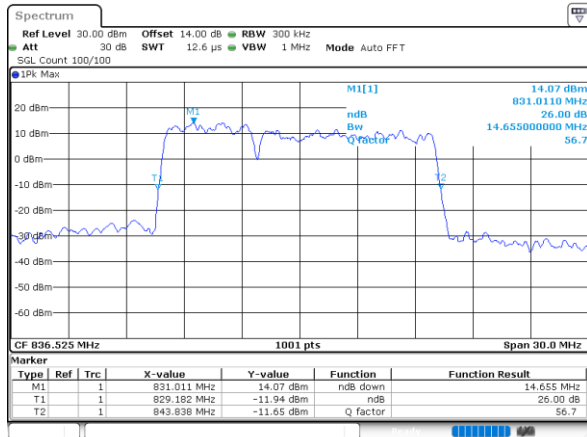
Date: 1.AUG.2025 20:35:05

## Middle Channel / 5MHz+3MHz



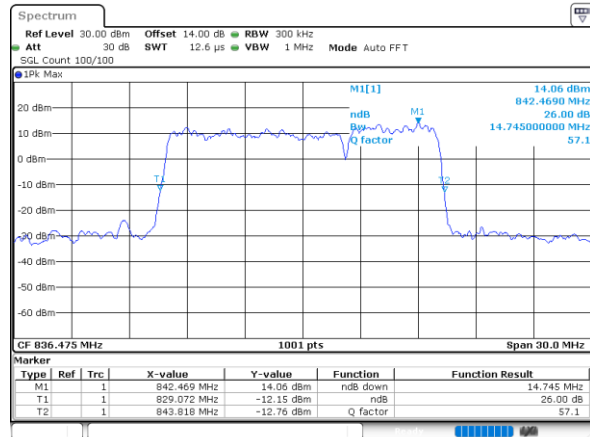
Date: 1.AUG.2025 20:57:00

## Middle Channel / 5MHz+10MHz



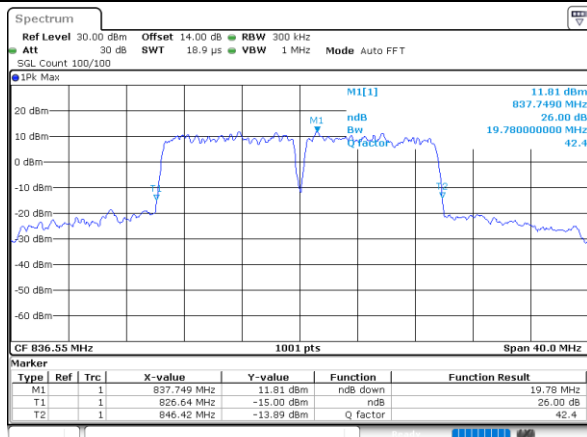
Date: 1.AUG.2025 21:19:11

## Middle Channel / 10MHz+5MHz



Date: 1.AUG.2025 21:43:40

## Middle Channel / 10MHz+10MHz



Date: 1.AUG.2025 22:06:28

N/A

**Occupied Bandwidth**

| Mode      | LTE Band 5B : 99%OBW(MHz) |             |            |
|-----------|---------------------------|-------------|------------|
| QPSK      |                           |             |            |
| BW        | 3MHz+5MHz                 | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | 7.61                      | 7.56        | 13.94      |
| BW        | 10MHz+5MHz                | 10MHz+10MHz | N/A        |
| Middle CH | 13.91                     | 18.94       | -          |

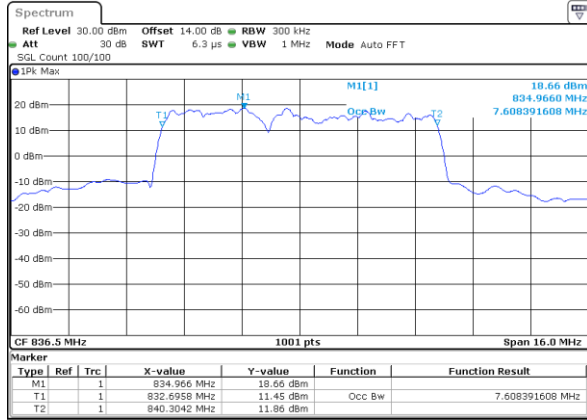
| Mode      | LTE Band 5B : 99%OBW(MHz) |             |            |
|-----------|---------------------------|-------------|------------|
| 16QAM     |                           |             |            |
| BW        | 3MHz+5MHz                 | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | 7.59                      | 7.61        | 13.91      |
| BW        | 10MHz+5MHz                | 10MHz+10MHz | N/A        |
| Middle CH | 13.88                     | 18.78       | -          |



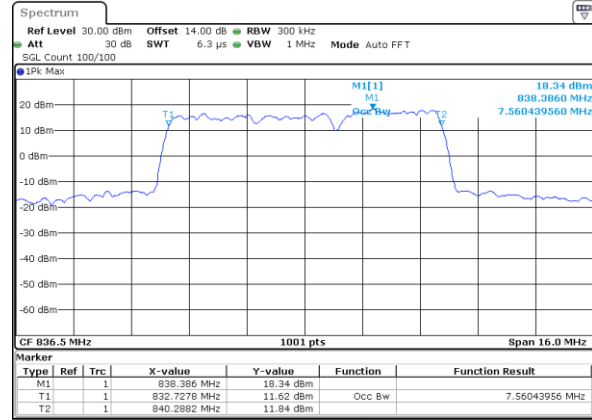
## LTE Band 5B

## QPSK

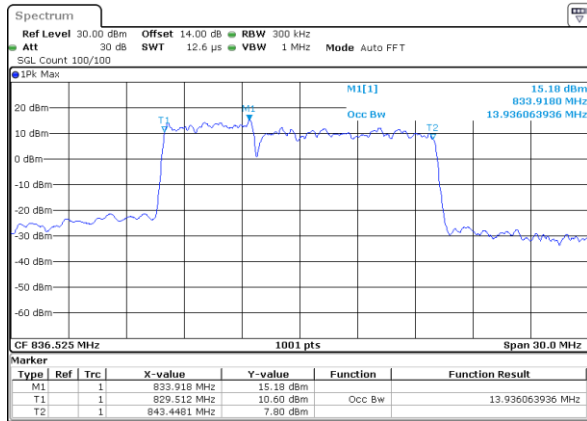
## Middle Channel / 3MHz+5MHz



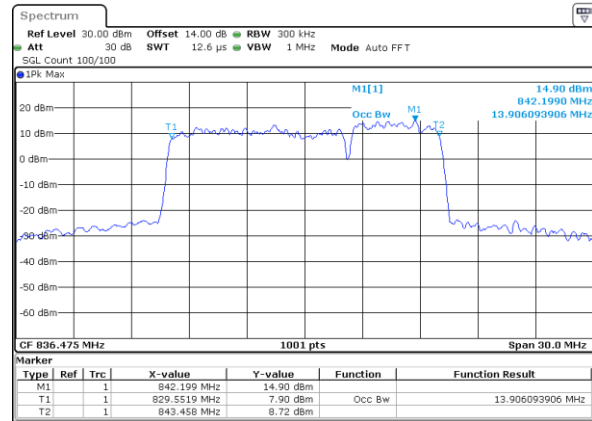
## Middle Channel / 5MHz+3MHz



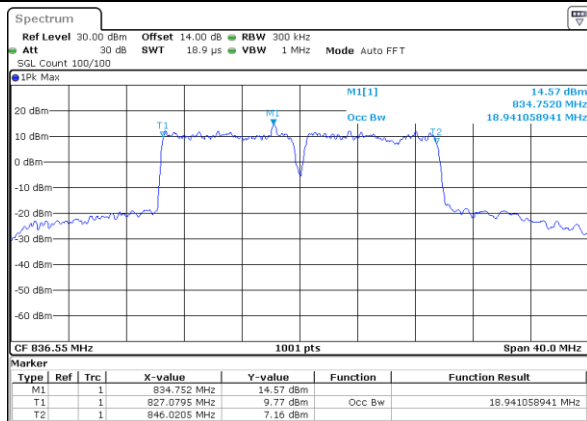
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



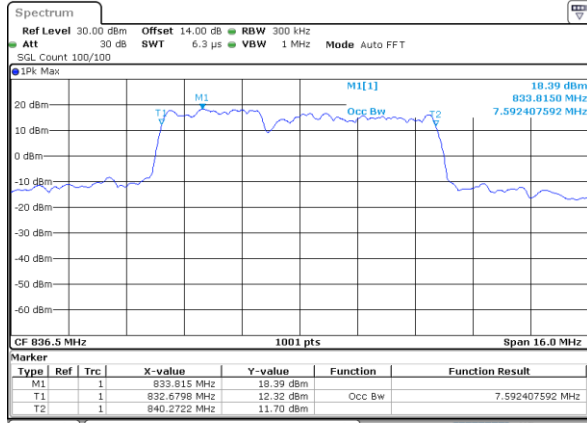
N/A



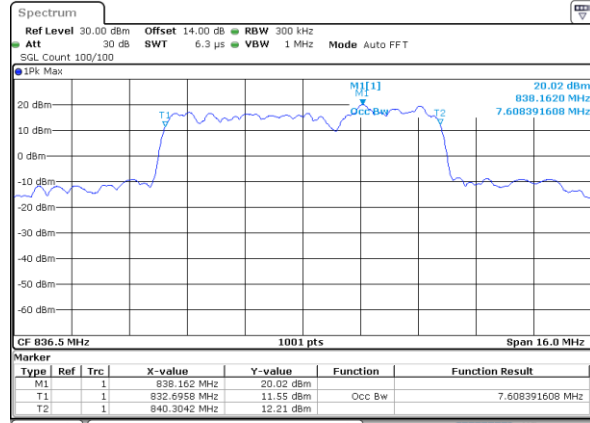
## LTE Band 5B

## 16QAM

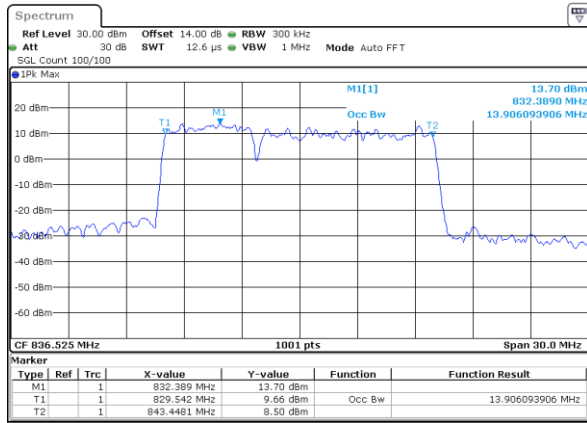
## Middle Channel / 3MHz+5MHz



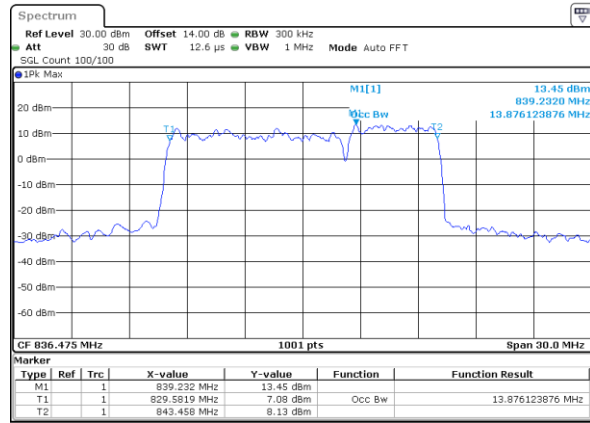
## Middle Channel / 5MHz+3MHz



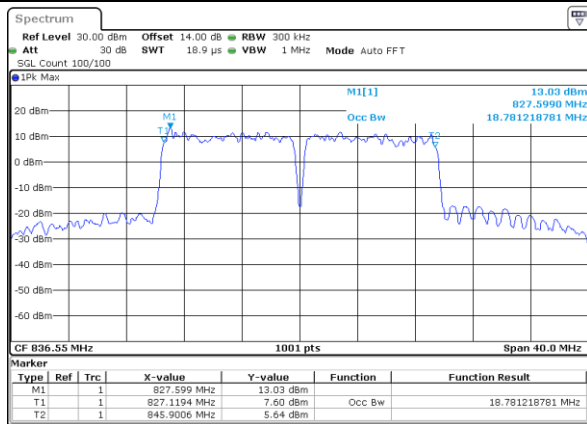
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



## N/A

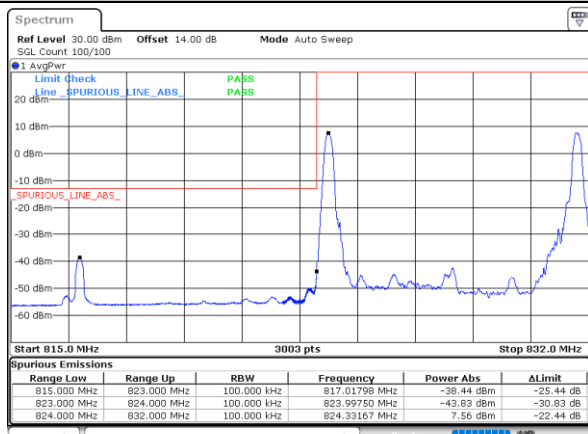


# Conducted Band Edge

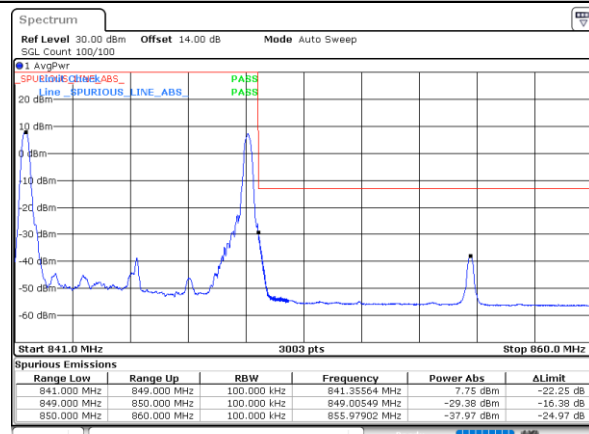
## LTE Band 5B / 3MHz+5MHz

### QPSK

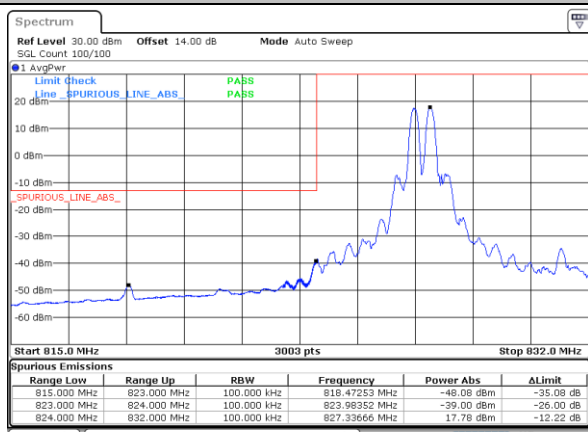
#### Lowest Band Edge / 1RB0 and 1RB24



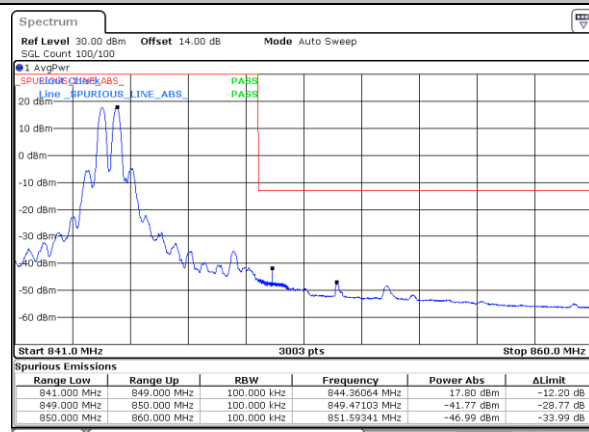
#### Highest Band Edge / 1RB0 and 1RB24



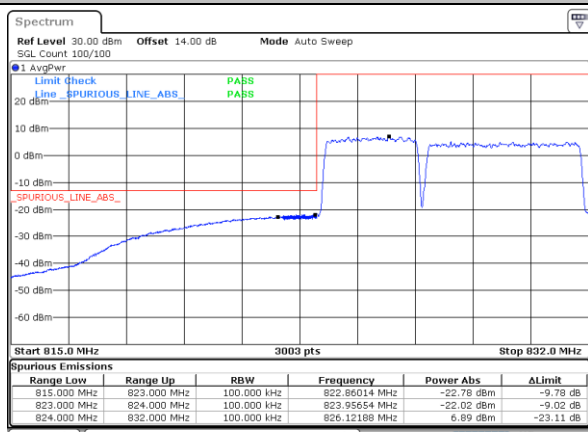
#### Lowest Band Edge / 1RB14 and 1RB0



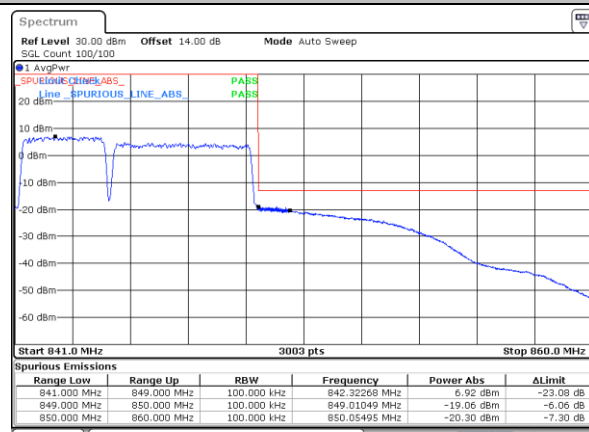
#### Highest Band Edge / 1RB14 and 1RB0



#### Lowest Band Edge / Full RB



#### Highest Band Edge / Full RB

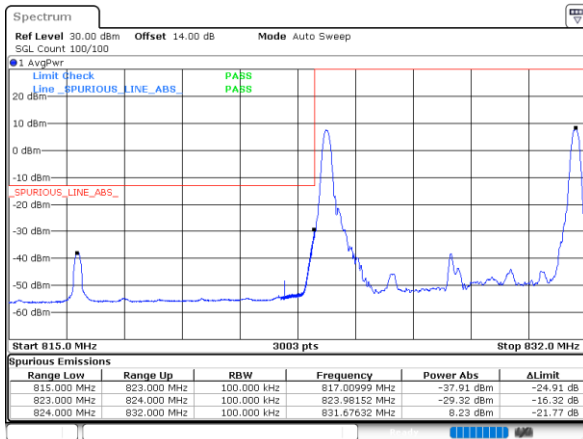




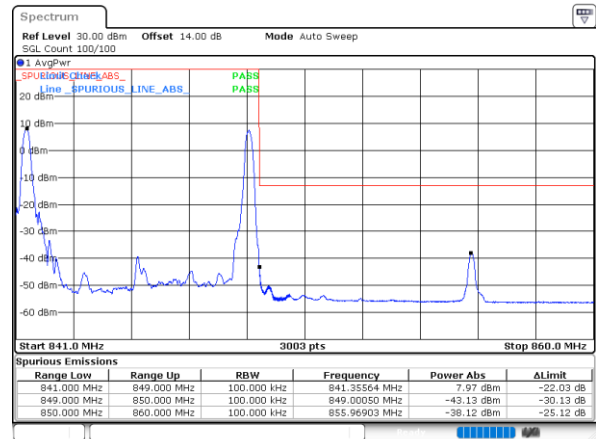
## LTE Band 5B / 5MHz+3MHz

## QPSK

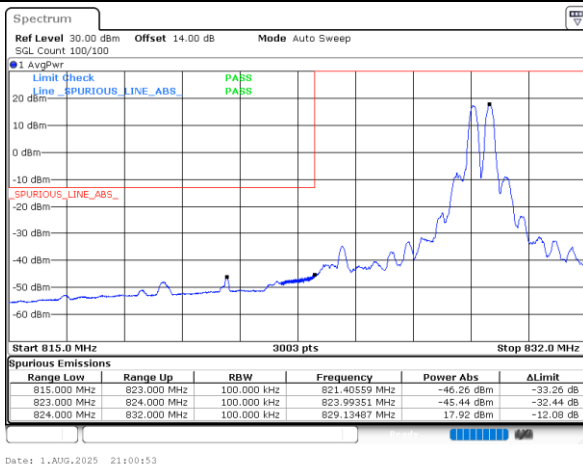
## Lowest Band Edge / 1RB0 and 1RB14



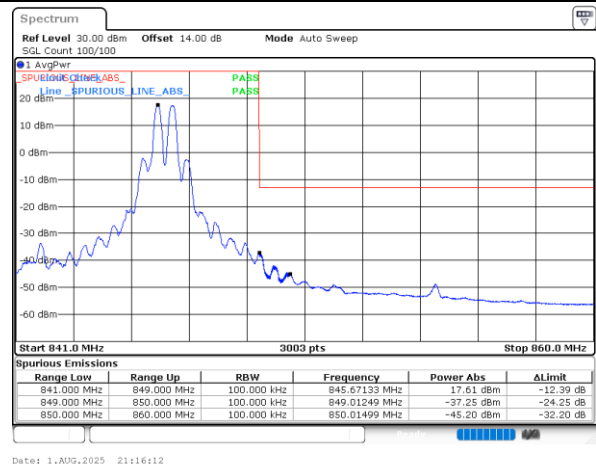
## Highest Band Edge / 1RB0 and 1RB14



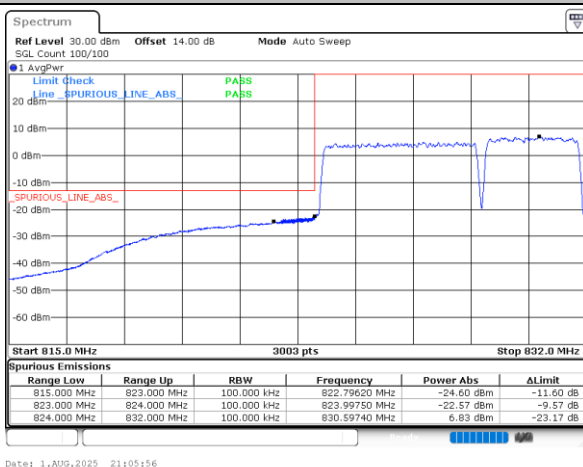
## Lowest Band Edge / 1RB24 and 1RB0



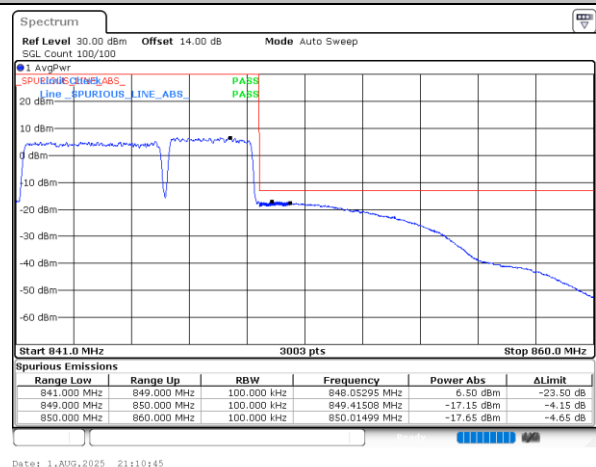
## Highest Band Edge / 1RB24 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

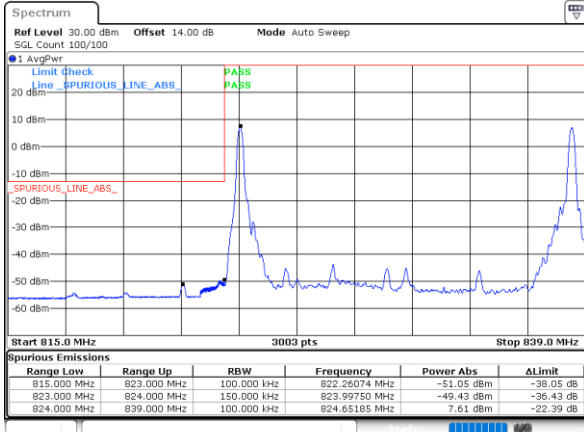




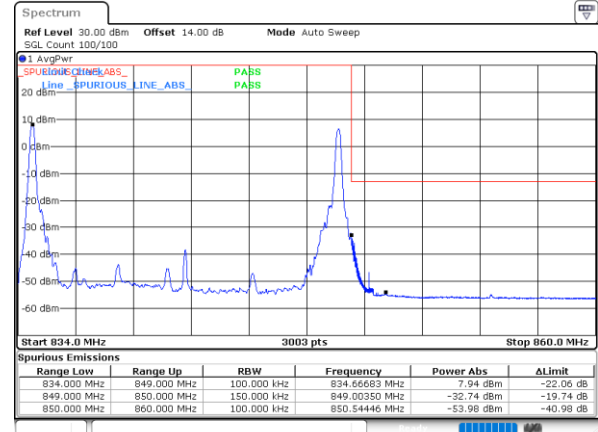
## LTE Band 5B / 5MHz+10MHz

## QPSK

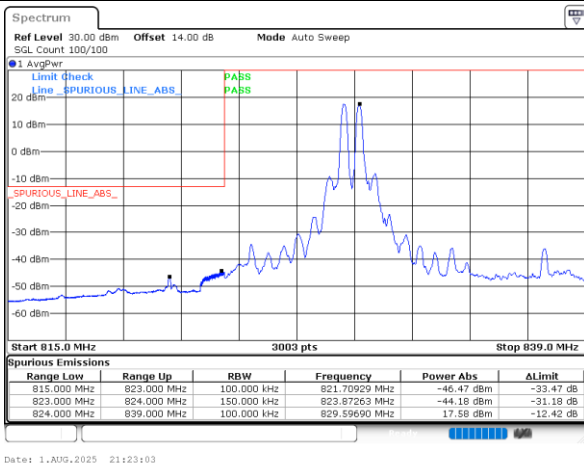
## Lowest Band Edge / 1RB0 and 1RB49



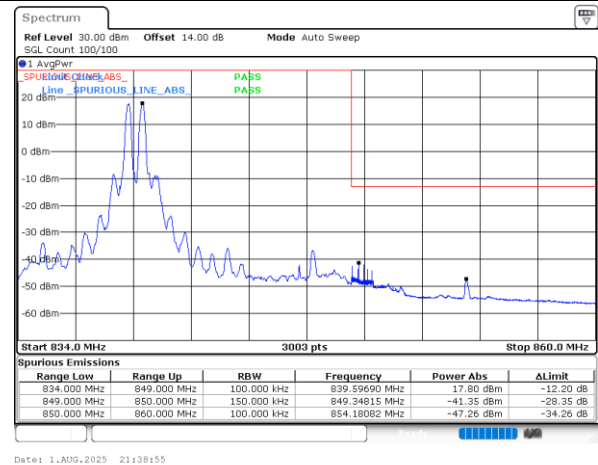
## Highest Band Edge / 1RB0 and 1RB49



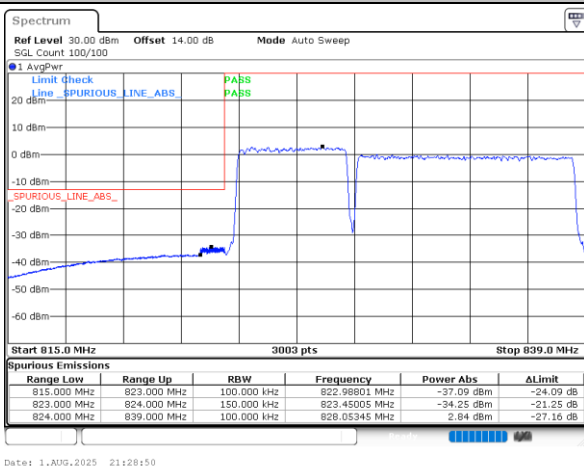
## Lowest Band Edge / 1RB24 and 1RB0



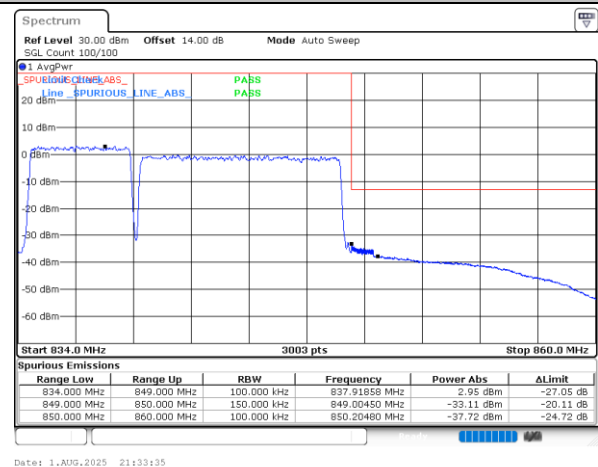
## Highest Band Edge / 1RB24 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

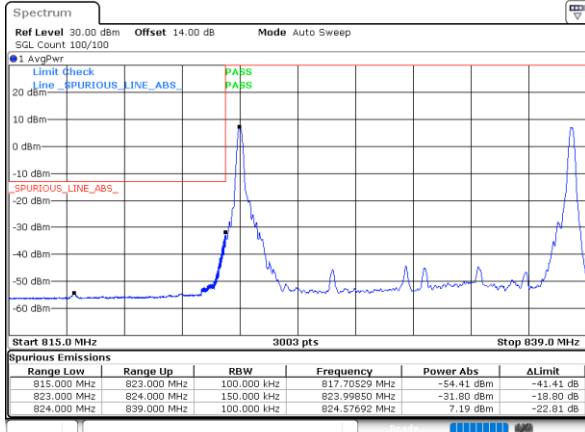




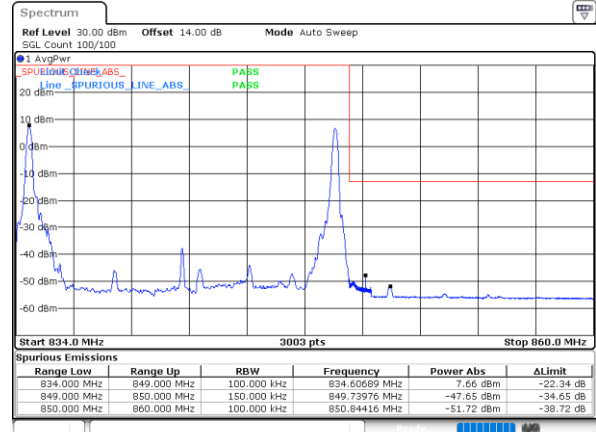
## LTE Band 5B / 10MHz+5MHz

## QPSK

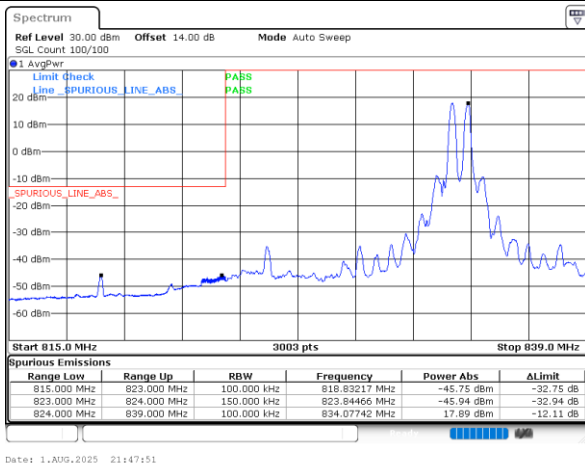
## Lowest Band Edge / 1RB0 and 1RB24



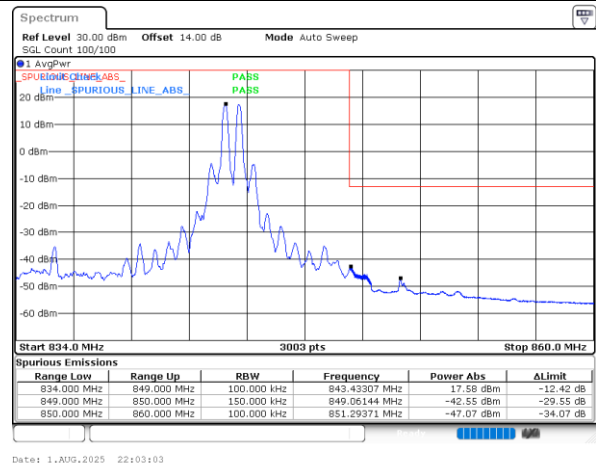
## Highest Band Edge / 1RB0 and 1RB24



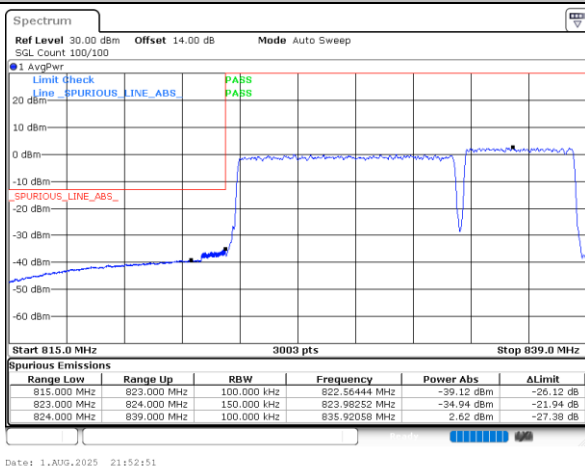
## Lowest Band Edge / 1RB49 and 1RB0



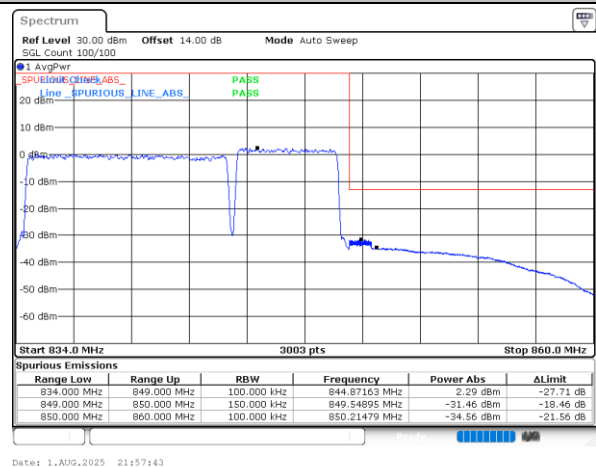
## Highest Band Edge / 1RB49 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

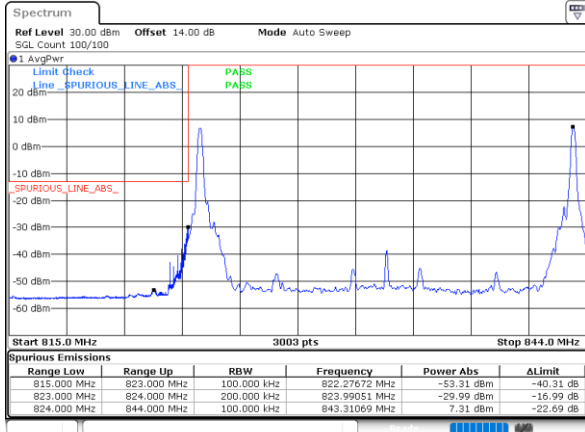




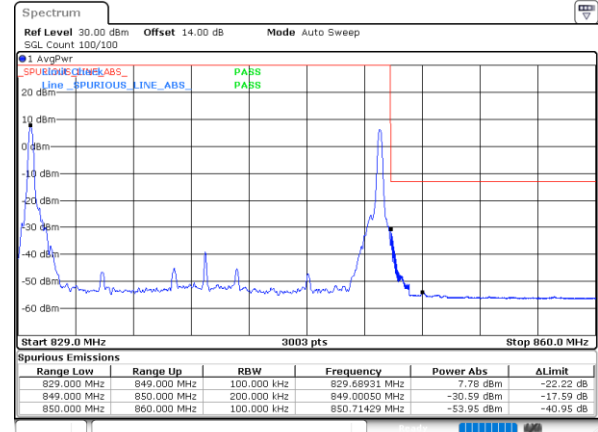
## LTE Band 5B / 10MHz+10MHz

## QPSK

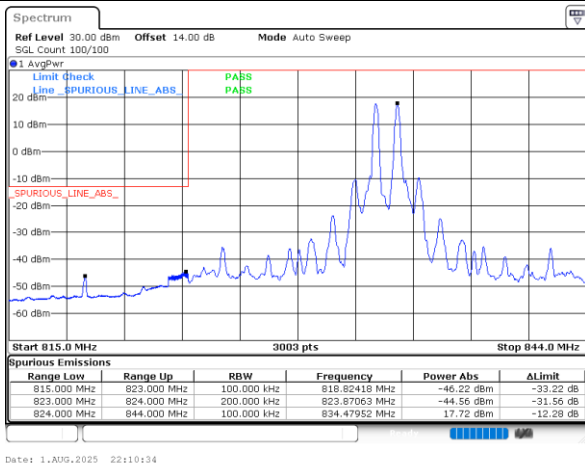
## Lowest Band Edge / 1RB0 and 1RB49



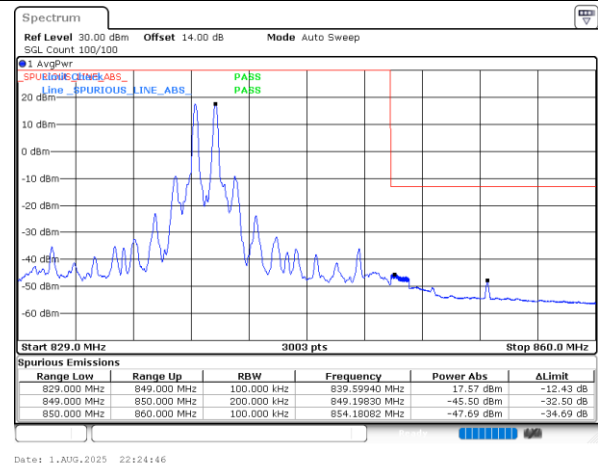
## Highest Band Edge / 1RB0 and 1RB49



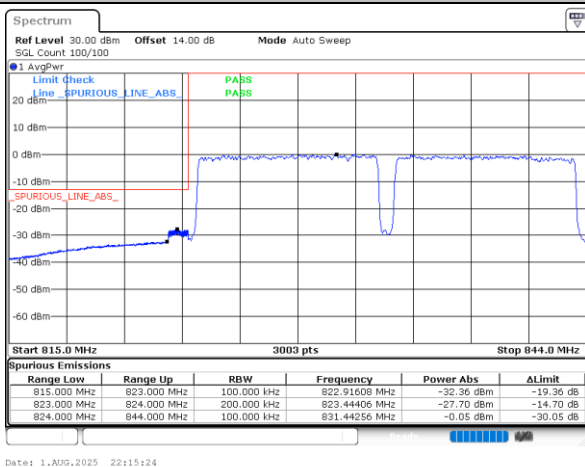
## Lowest Band Edge / 1RB49 and 1RB0



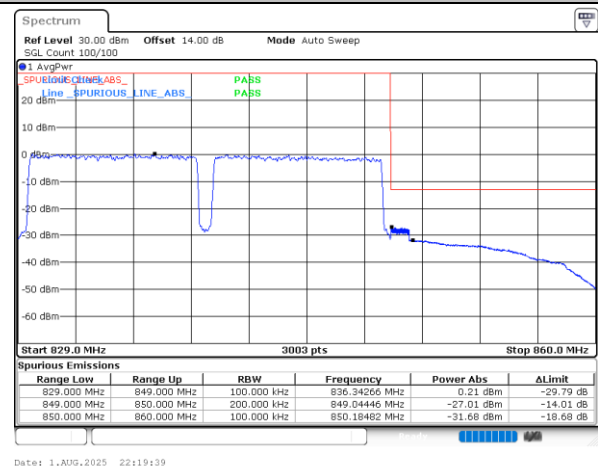
## Highest Band Edge / 1RB49 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

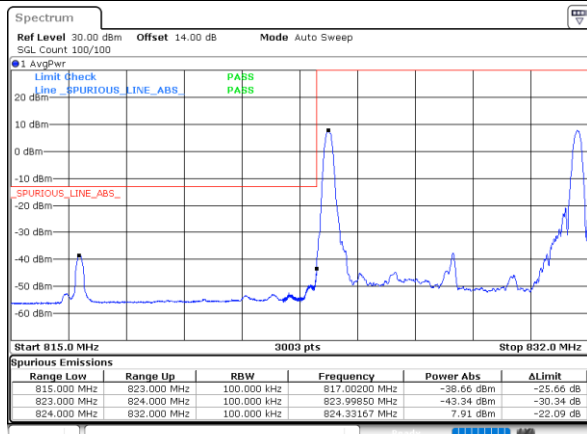




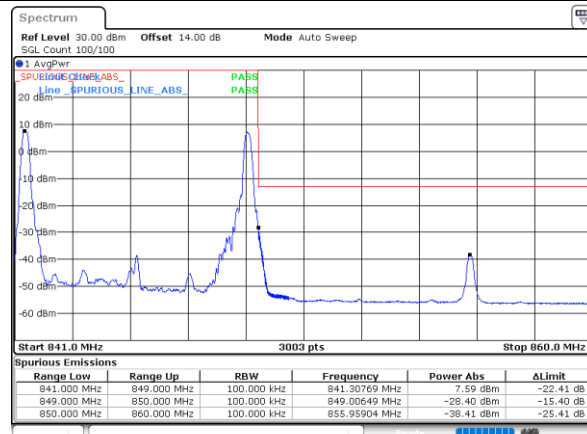
## LTE Band 5B / 3MHz+5MHz

## 16QAM

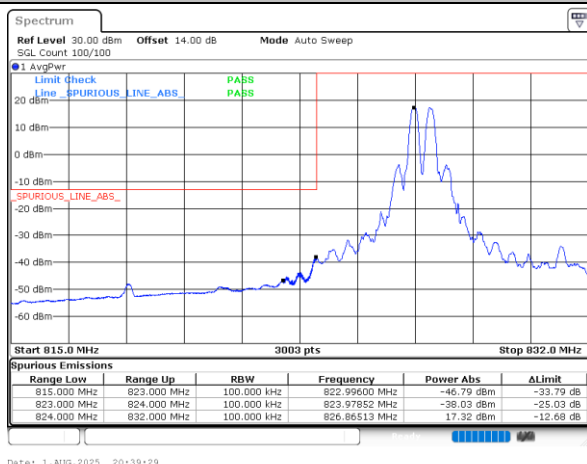
## Lowest Band Edge / 1RB0 and 1RB24



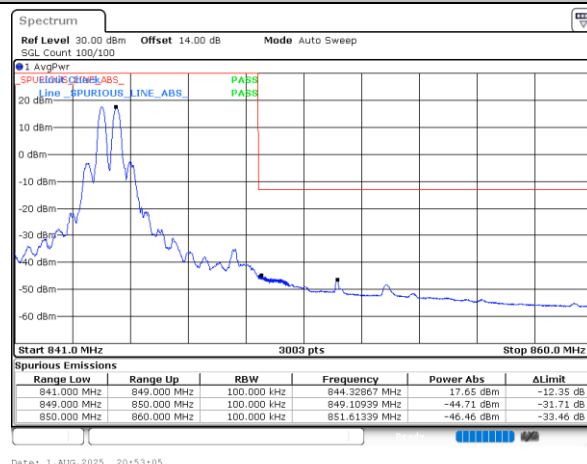
## Highest Band Edge / 1RB0 and 1RB24



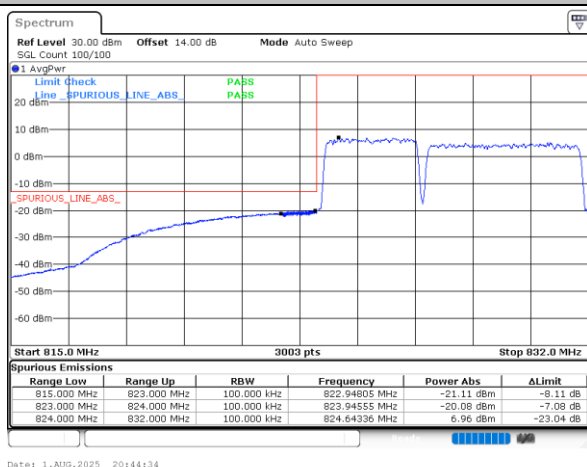
## Lowest Band Edge / 1RB14 and 1RB0



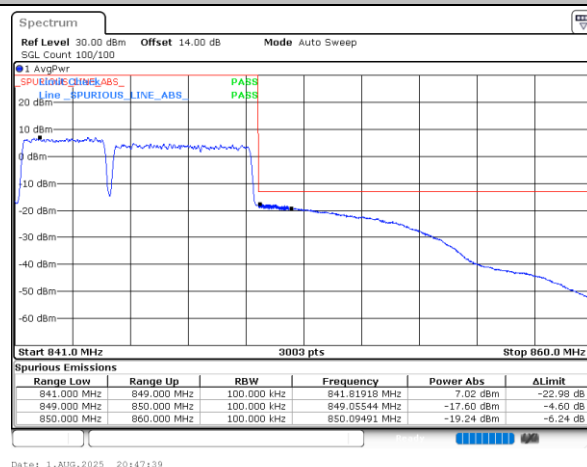
## Highest Band Edge / 1RB14 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

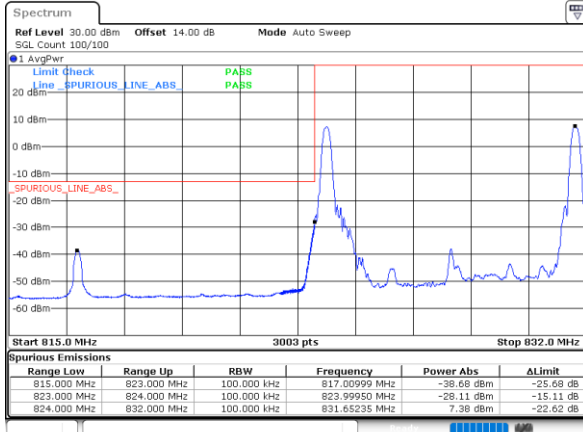




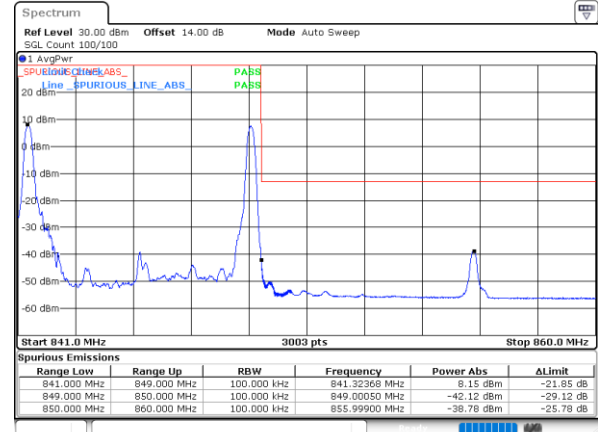
## LTE Band 5B / 5MHz+3MHz

## 16QAM

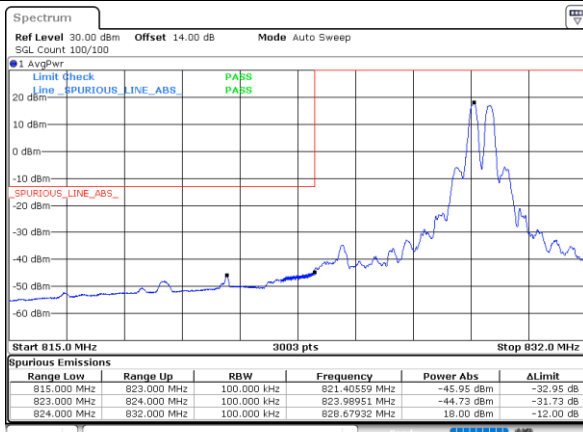
## Lowest Band Edge / 1RB0 and 1RB14



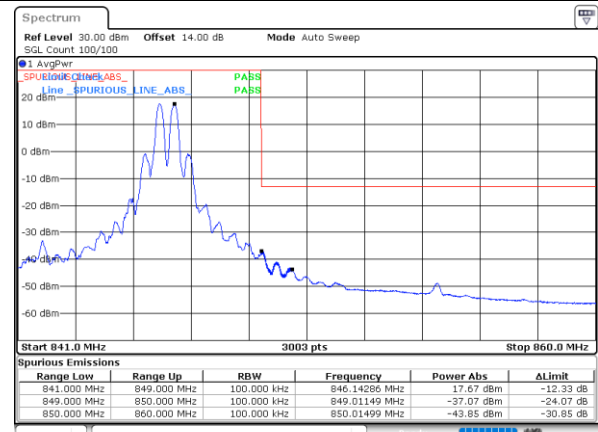
## Highest Band Edge / 1RB0 and 1RB14



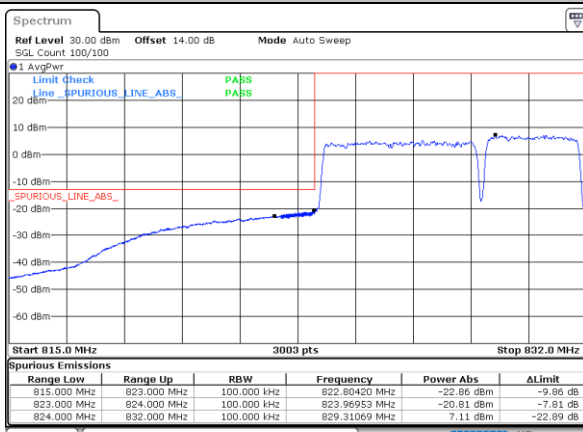
## Lowest Band Edge / 1RB24 and 1RB0



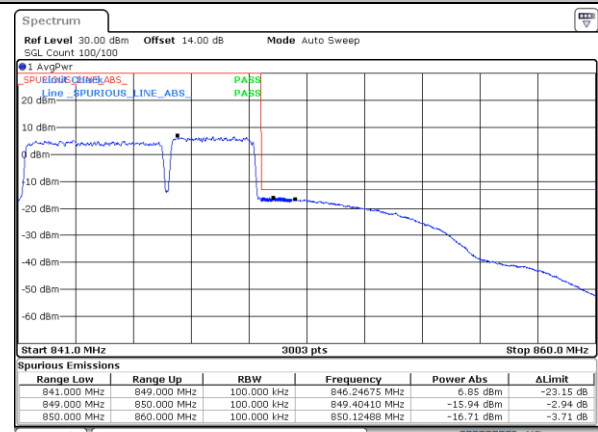
## Highest Band Edge / 1RB24 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

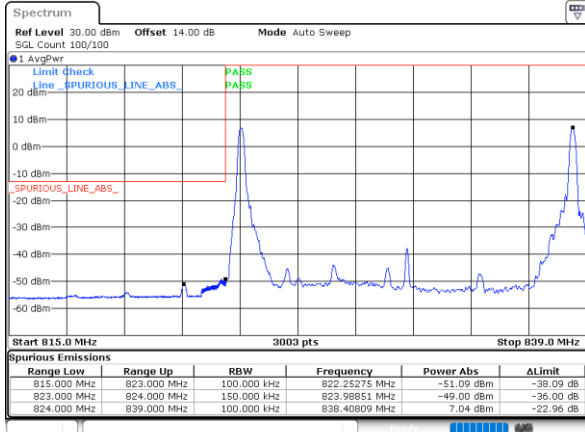




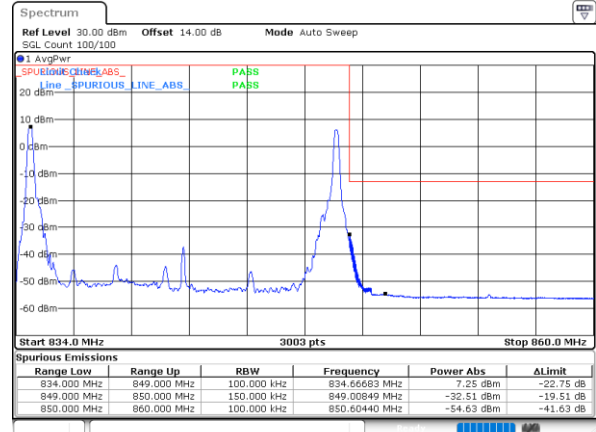
## LTE Band 5B / 5MHz+10MHz

## 16QAM

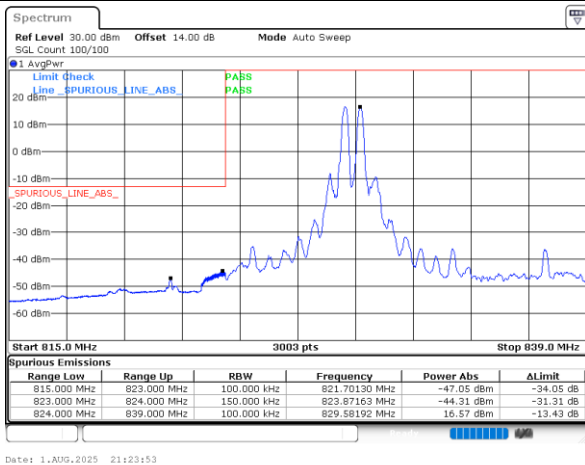
## Lowest Band Edge / 1RB0 and 1RB49



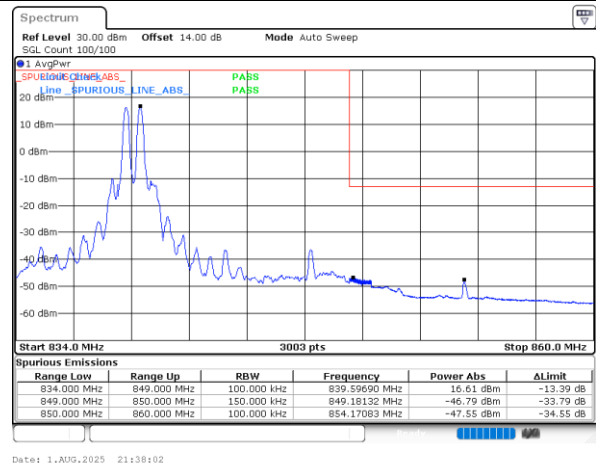
## Highest Band Edge / 1RB0 and 1RB49



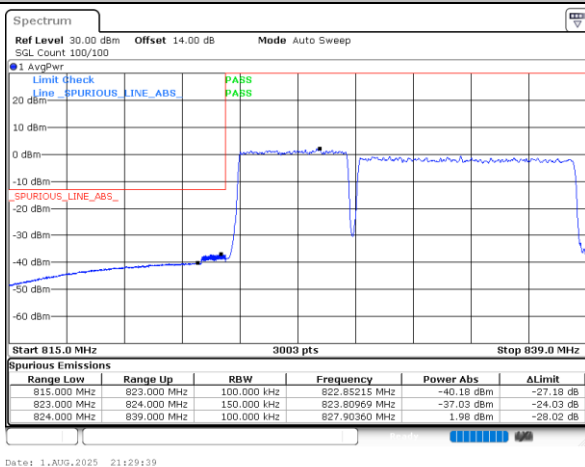
## Lowest Band Edge / 1RB24 and 1RB0



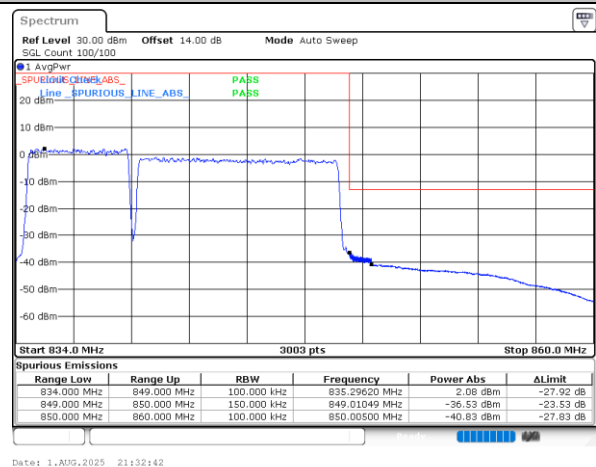
## Highest Band Edge / 1RB24 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

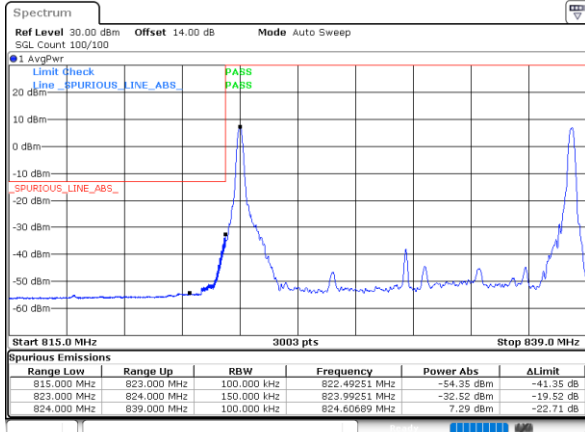




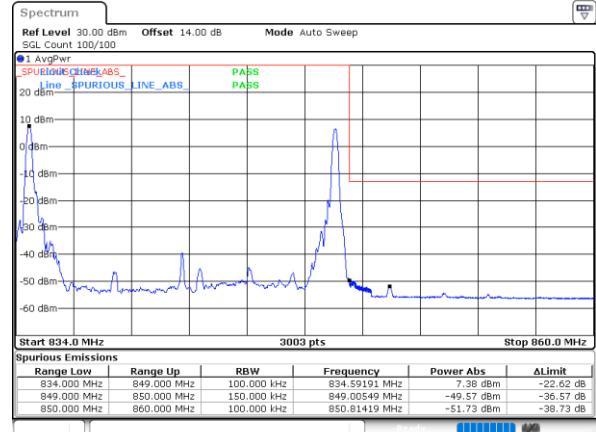
## LTE Band 5B / 10MHz+5MHz

## 16QAM

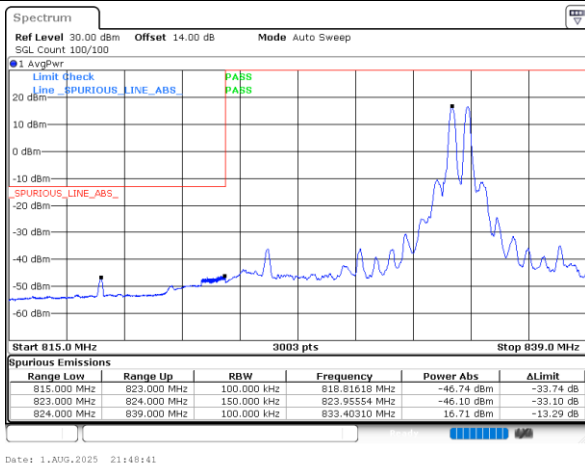
## Lowest Band Edge / 1RB0 and 1RB24



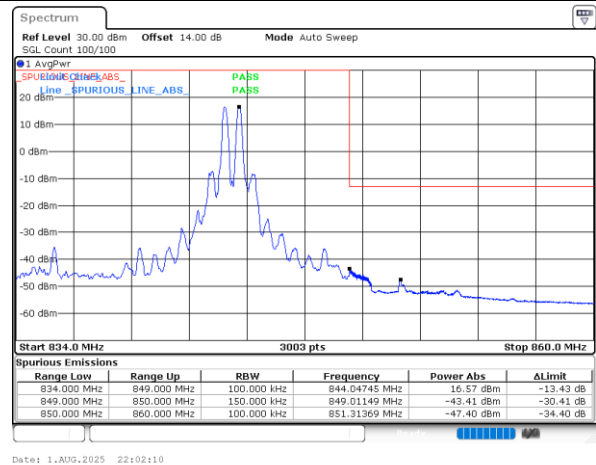
## Highest Band Edge / 1RB0 and 1RB24



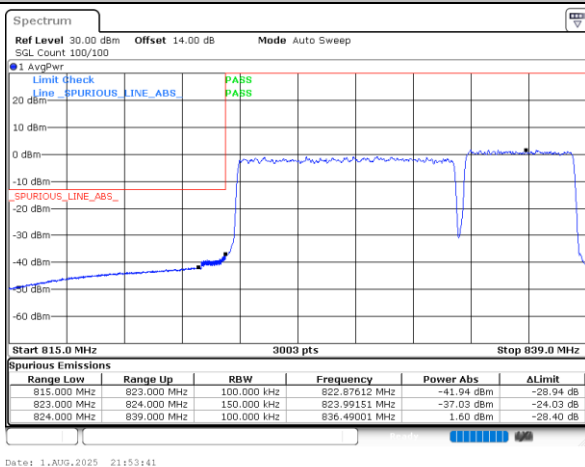
## Lowest Band Edge / 1RB49 and 1RB0



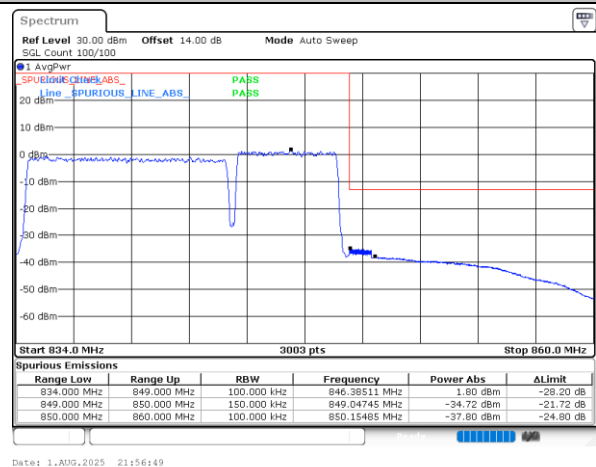
## Highest Band Edge / 1RB49 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

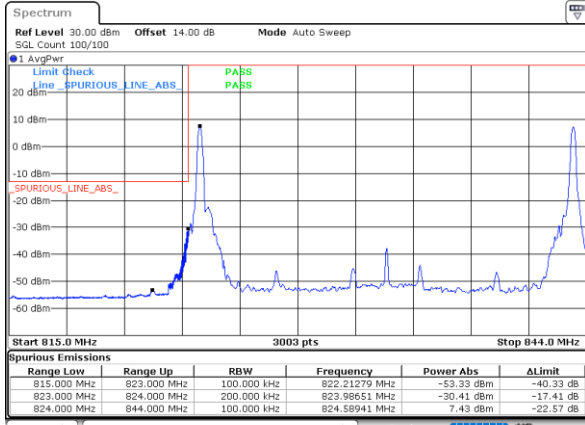




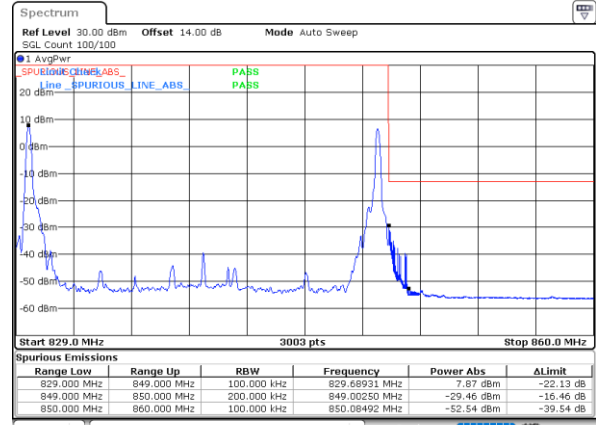
## LTE Band 5B / 10MHz+10MHz

## 16QAM

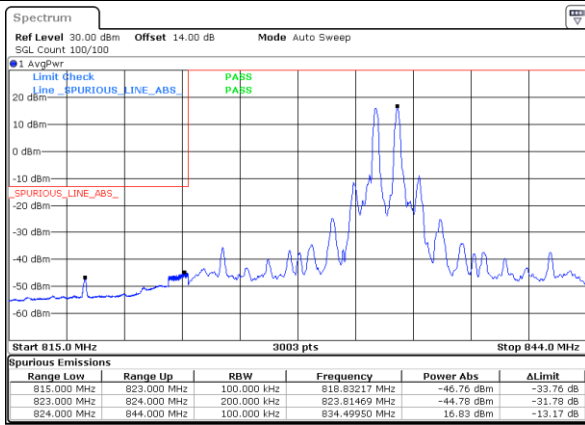
## Lowest Band Edge / 1RB0 and 1RB49



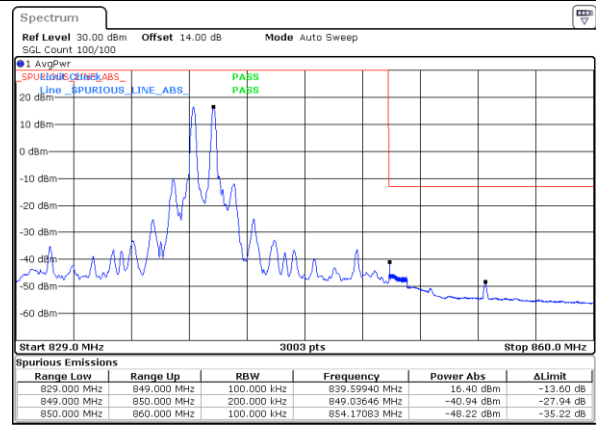
## Highest Band Edge / 1RB0 and 1RB49



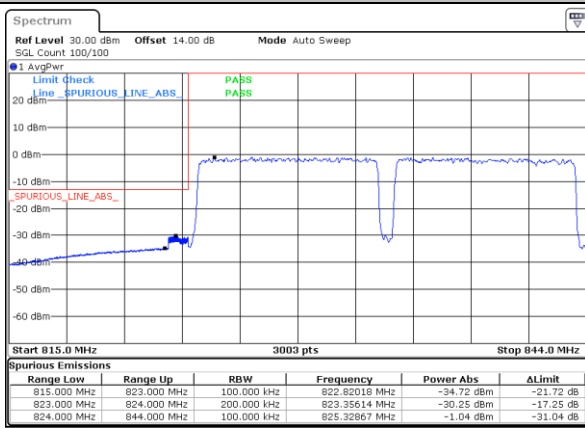
## Lowest Band Edge / 1RB49 and 1RB0



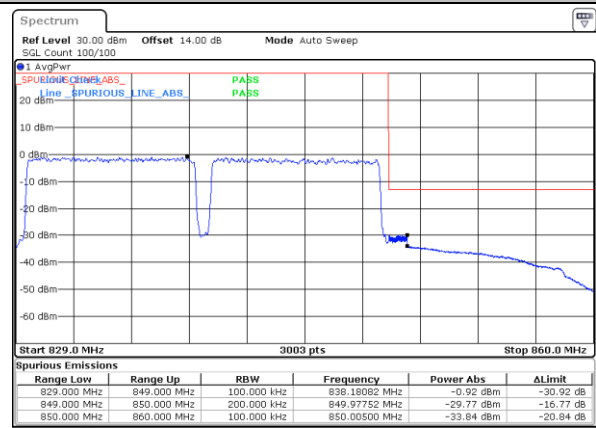
## Highest Band Edge / 1RB49 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

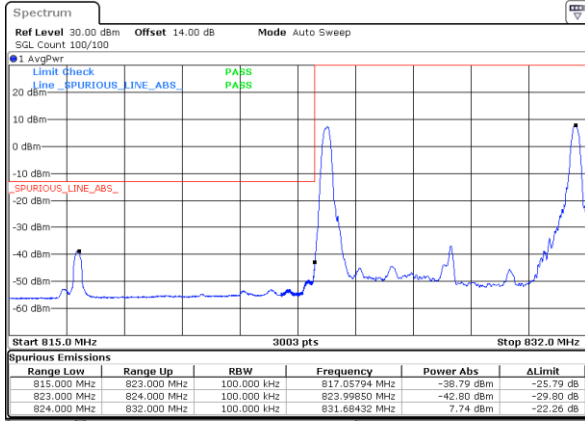




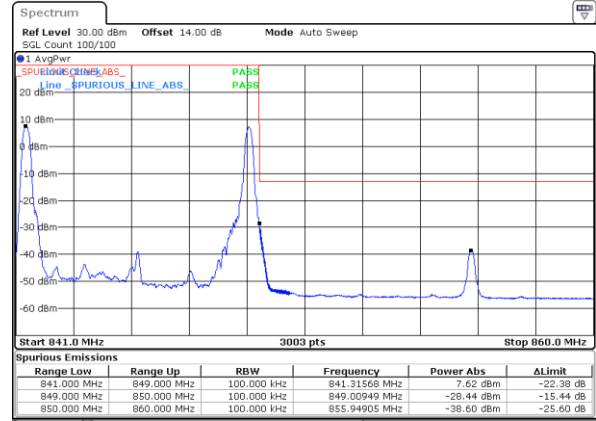
## LTE Band 5B / 3MHz+5MHz

## 64QAM

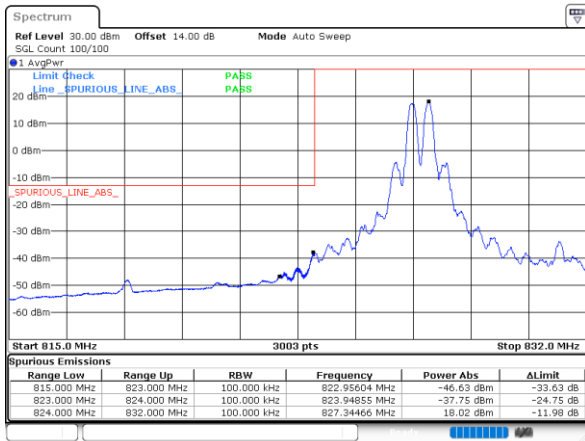
## Lowest Band Edge / 1RB0 and 1RB24



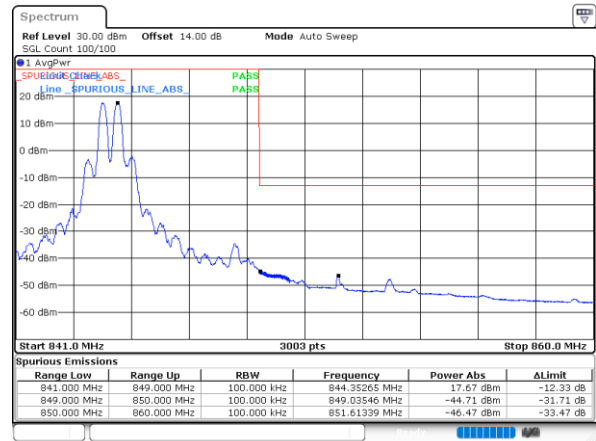
## Highest Band Edge / 1RB0 and 1RB24



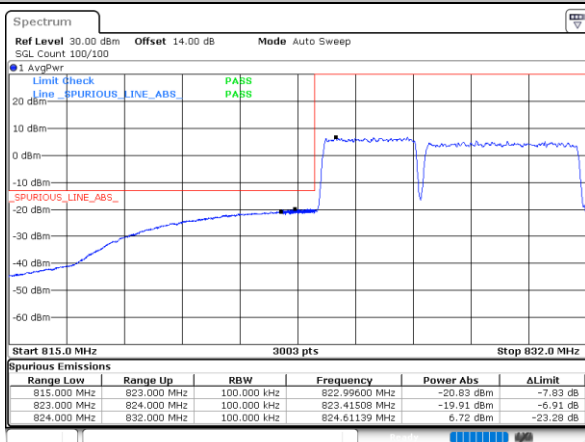
## Lowest Band Edge / 1RB14 and 1RB0



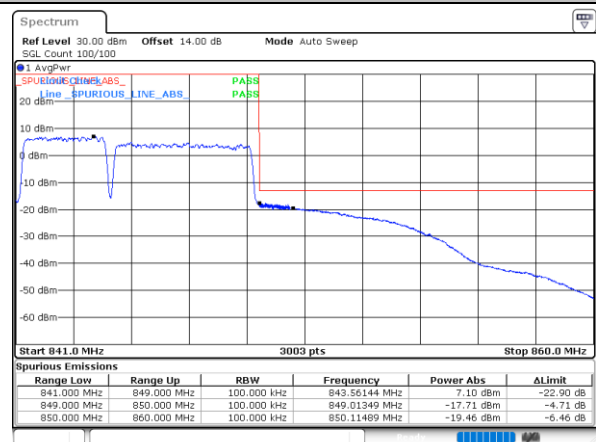
## Highest Band Edge / 1RB14 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

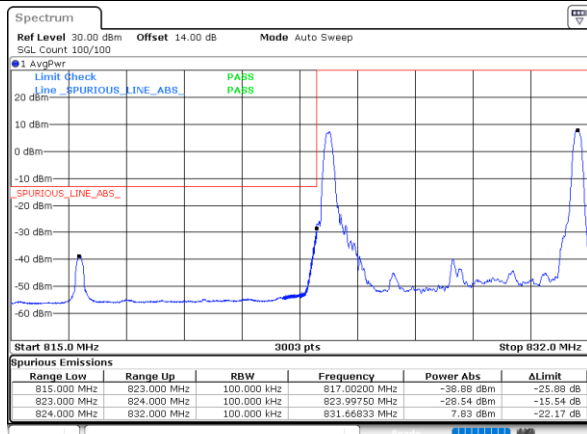




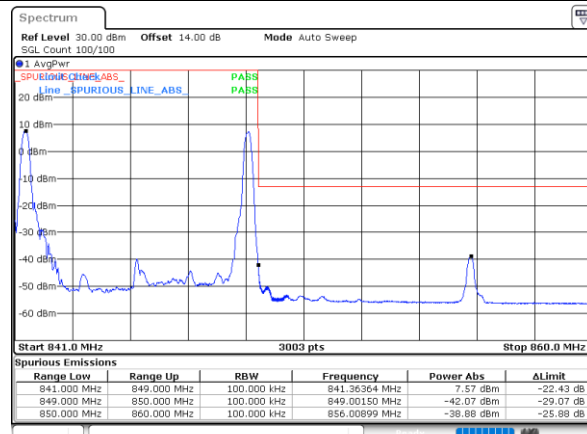
## LTE Band 5B / 5MHz+3MHz

## 64QAM

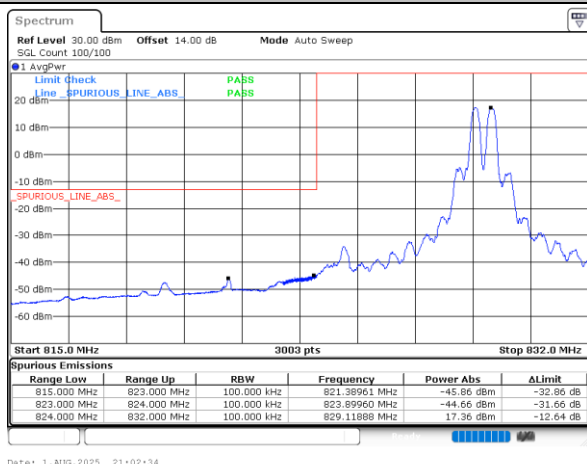
## Lowest Band Edge / 1RB0 and 1RB14



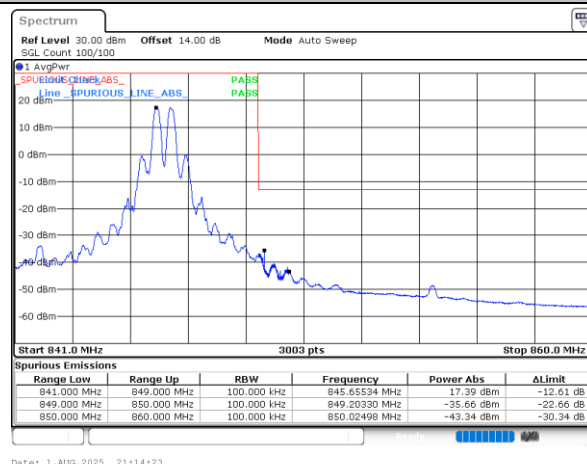
## Highest Band Edge / 1RB0 and 1RB14



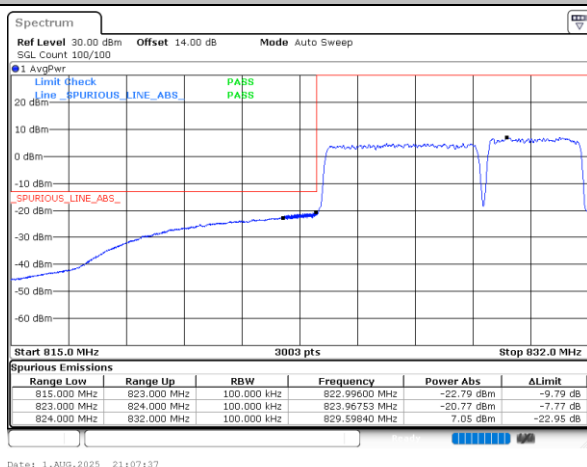
## Lowest Band Edge / 1RB24 and 1RB0



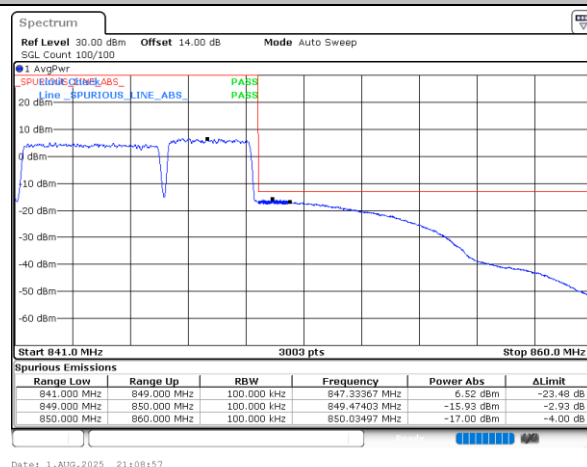
## Highest Band Edge / 1RB24 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

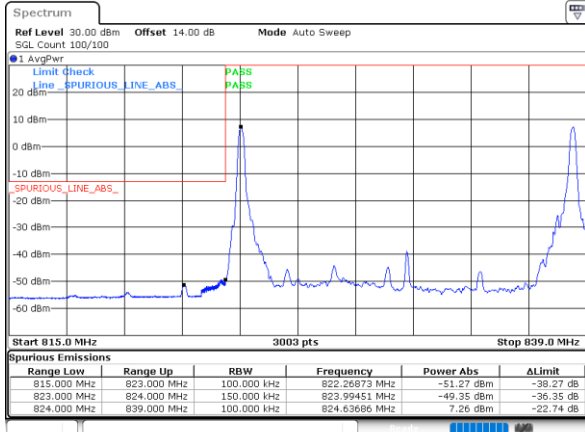




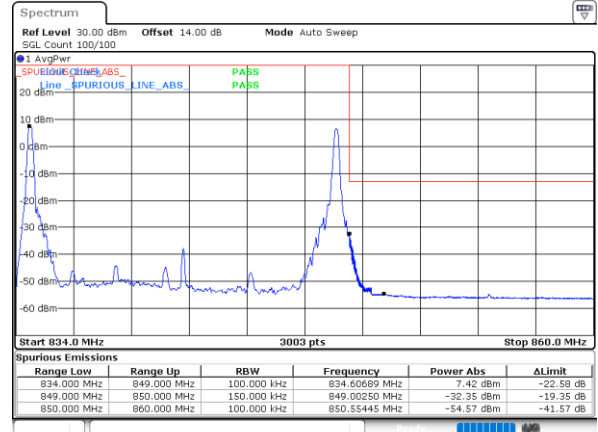
## LTE Band 5B / 5MHz+10MHz

## 64QAM

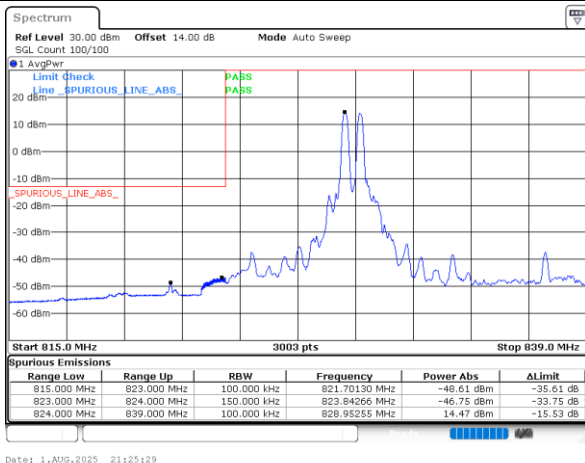
## Lowest Band Edge / 1RB0 and 1RB49



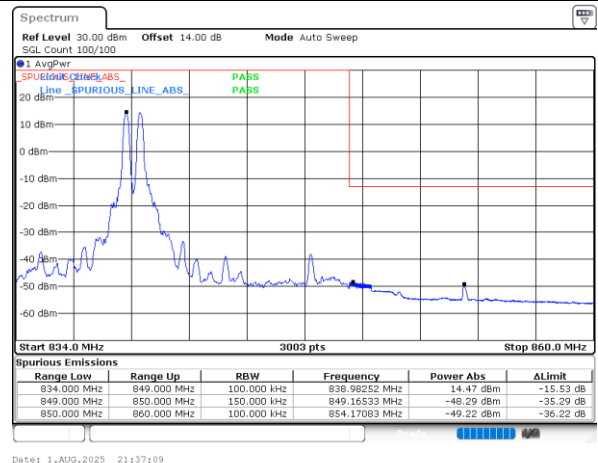
## Highest Band Edge / 1RB0 and 1RB49



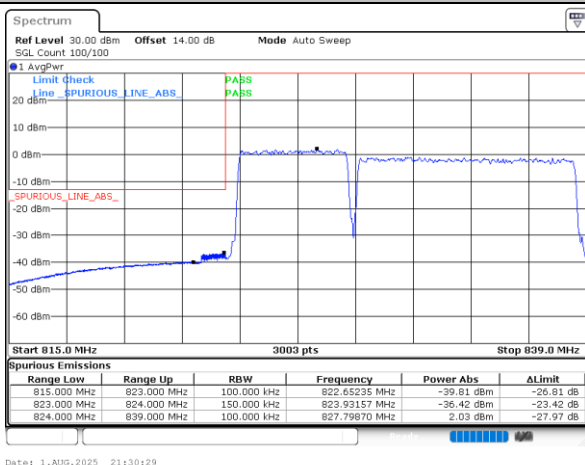
## Lowest Band Edge / 1RB24 and 1RB0



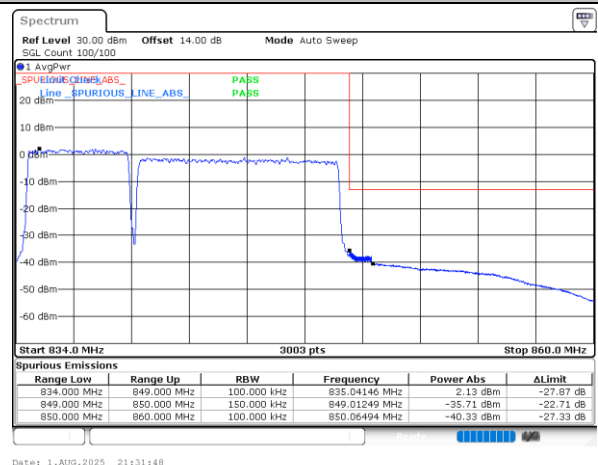
## Highest Band Edge / 1RB24 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

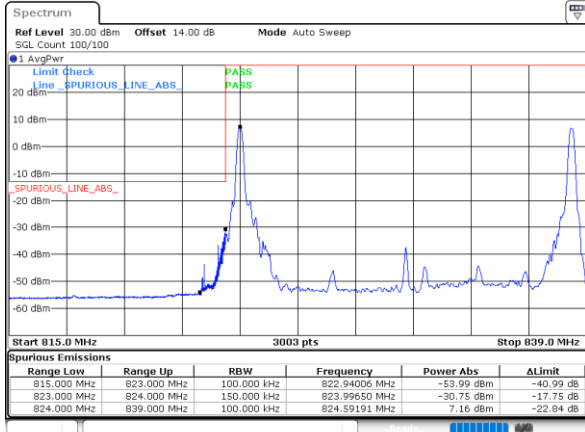




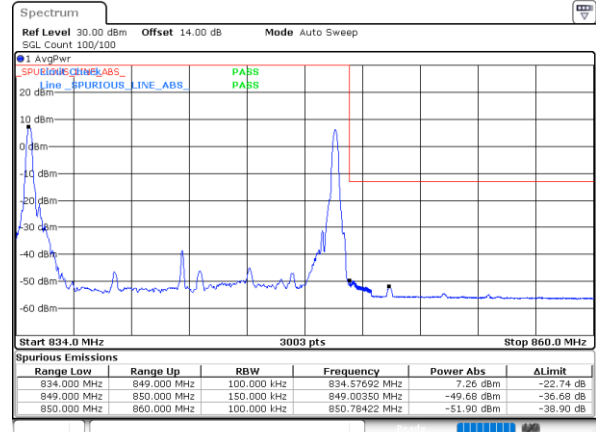
## LTE Band 5B / 10MHz+5MHz

## 64QAM

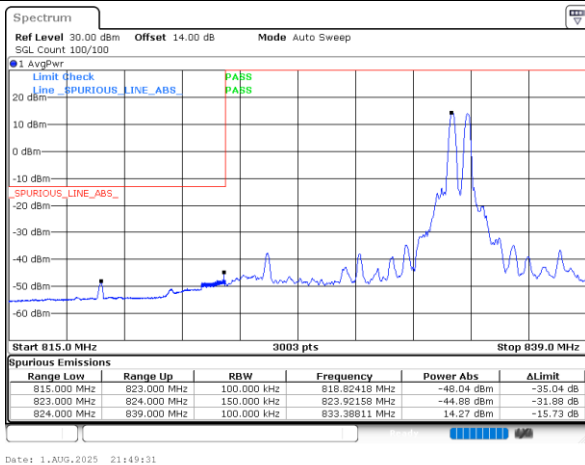
## Lowest Band Edge / 1RB0 and 1RB24



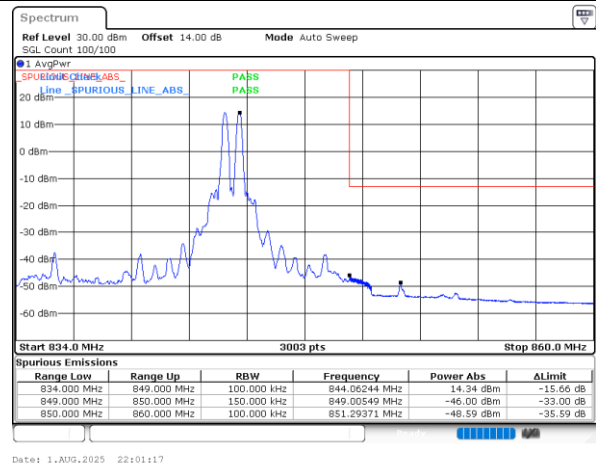
## Highest Band Edge / 1RB0 and 1RB24



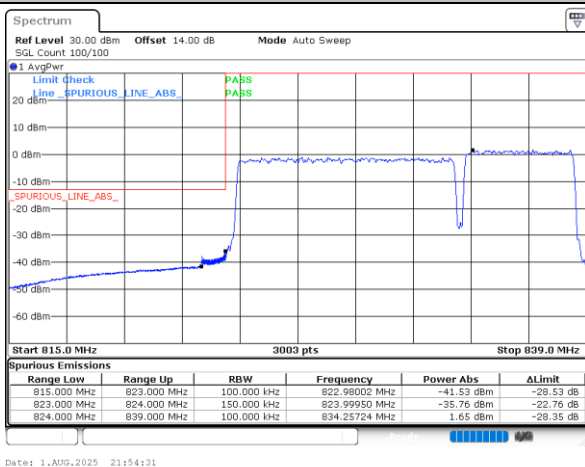
## Lowest Band Edge / 1RB49 and 1RB0



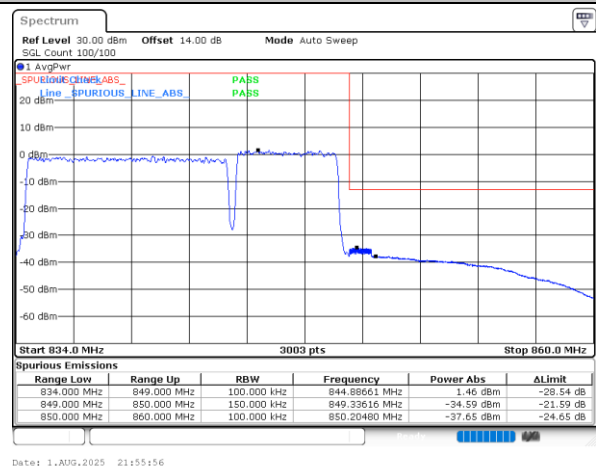
## Highest Band Edge / 1RB49 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

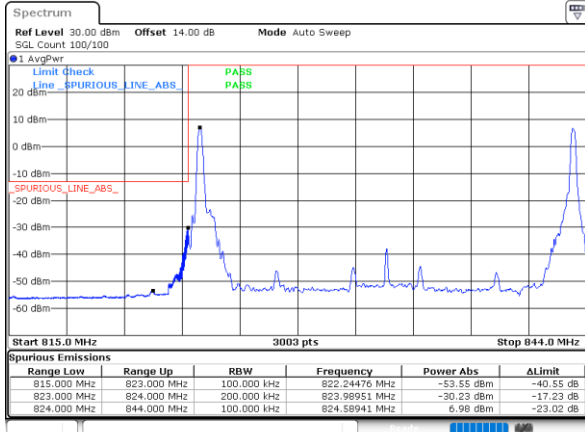




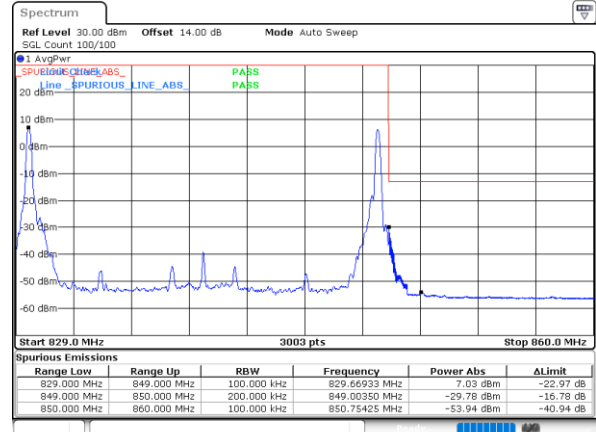
## LTE Band 5B / 10MHz+10MHz

## 64QAM

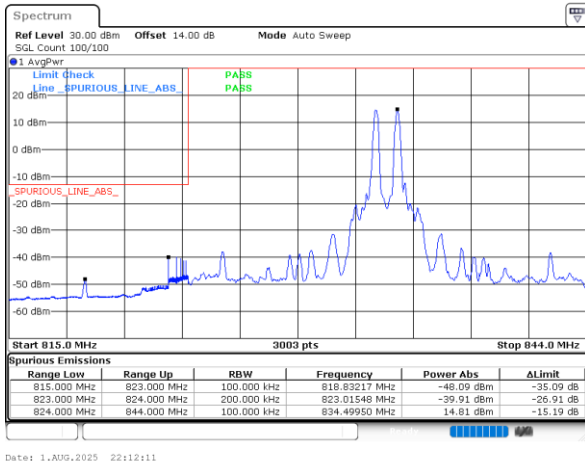
## Lowest Band Edge / 1RB0 and 1RB49



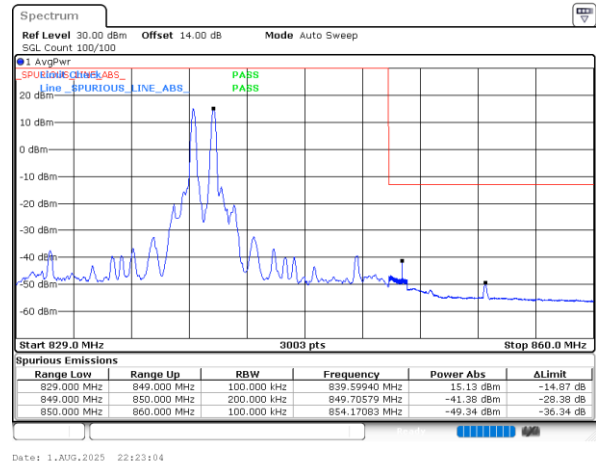
## Highest Band Edge / 1RB0 and 1RB49



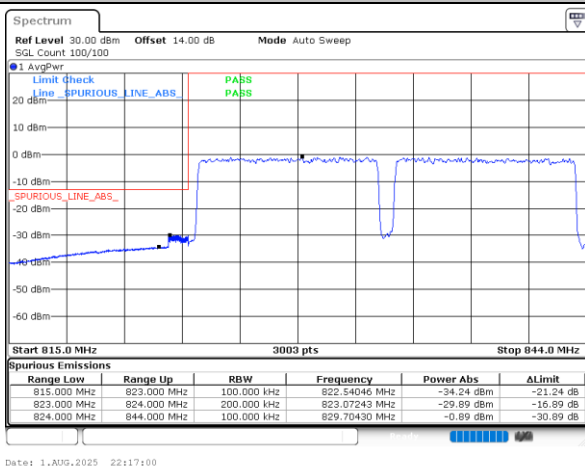
## Lowest Band Edge / 1RB49 and 1RB0



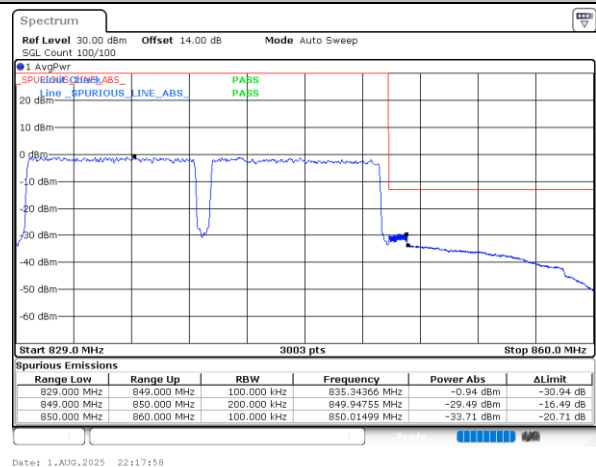
## Highest Band Edge / 1RB49 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB





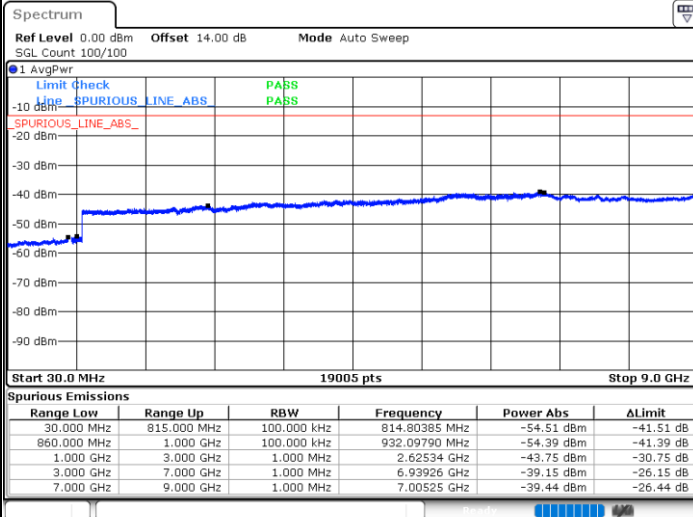
# Conducted Spurious Emission

## LTE Band 5B / 3MHz+5MHz

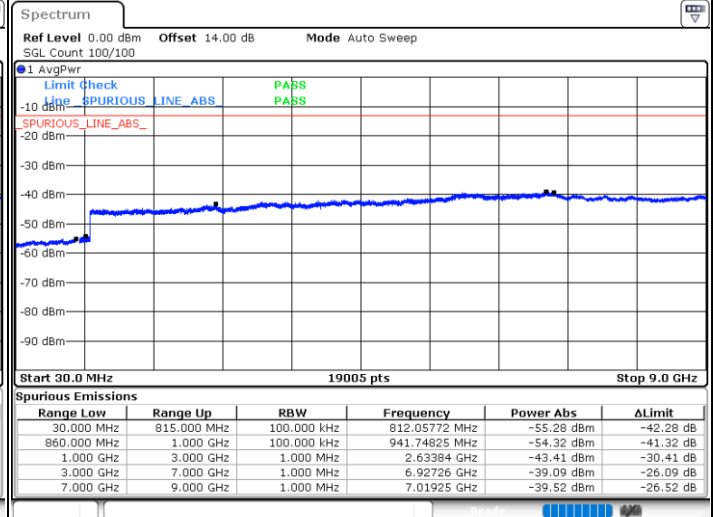
### QPSK

#### Lowest Channel / 1RB14 and 1RB0

#### Middle Channel / 1RB14 and 1RB0

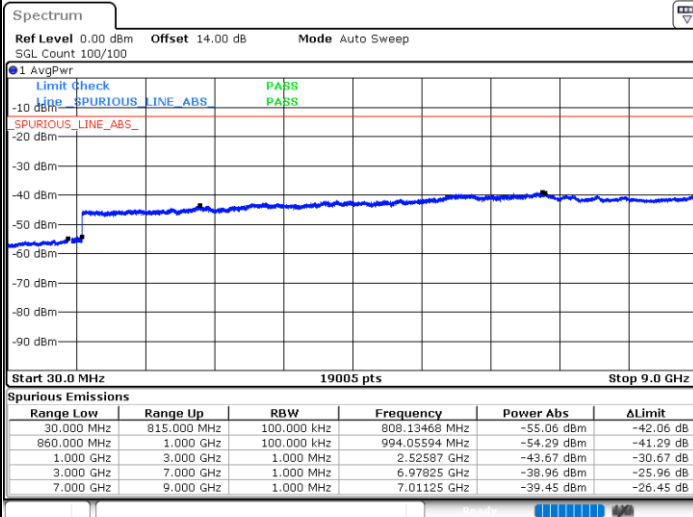


Date: 1.AUG.2025 20:37:49



Date: 1.AUG.2025 20:36:38

#### Highest Channel / 1RB14 and 1RB0



Date: 1.AUG.2025 20:55:03

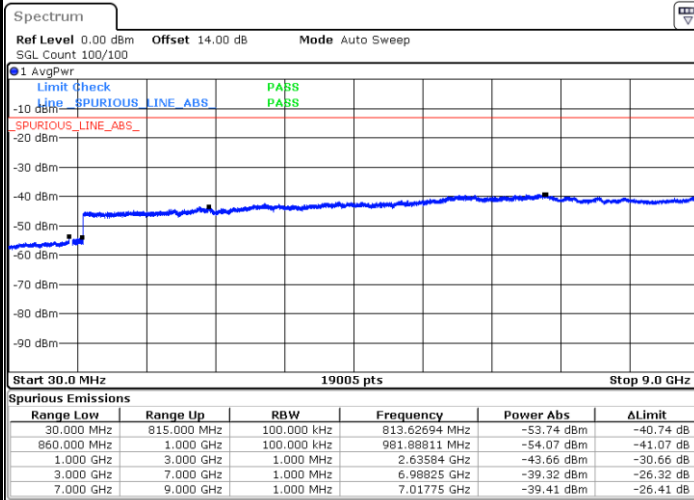


## LTE Band 5B / 5MHz+3MHz

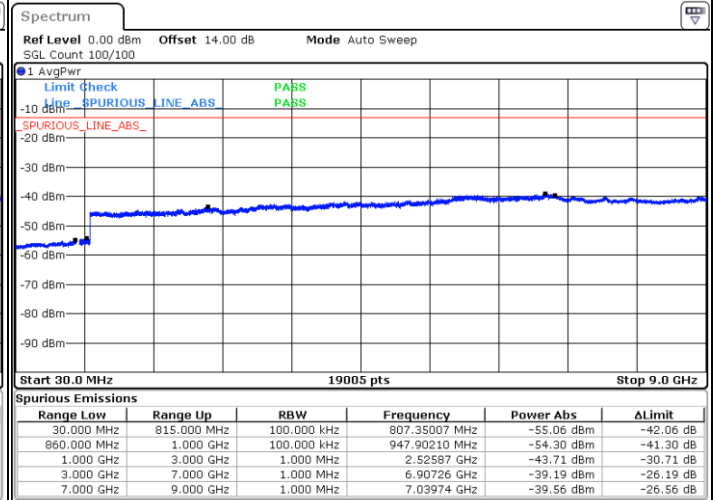
## QPSK

## Lowest Channel / 1RB24 and 1RB0

## Middle Channel / 1RB24 and 1RB0

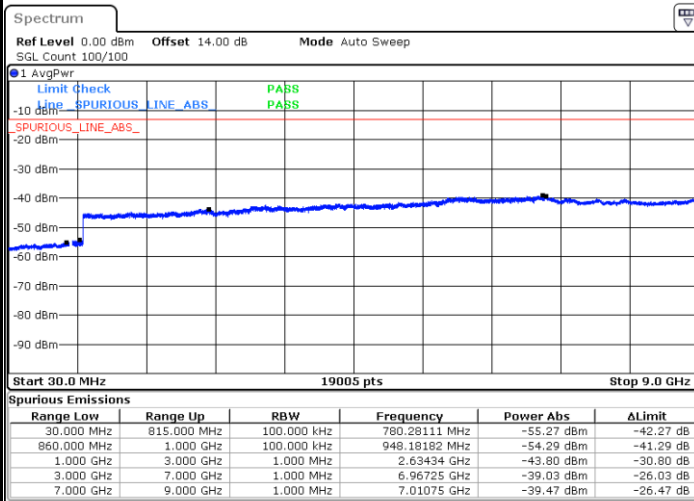


Date: 1.AUG.2025 21:00:03



Date: 1.AUG.2025 20:58:33

## Highest Channel / 1RB24 and 1RB0



Date: 1.AUG.2025 21:17:15

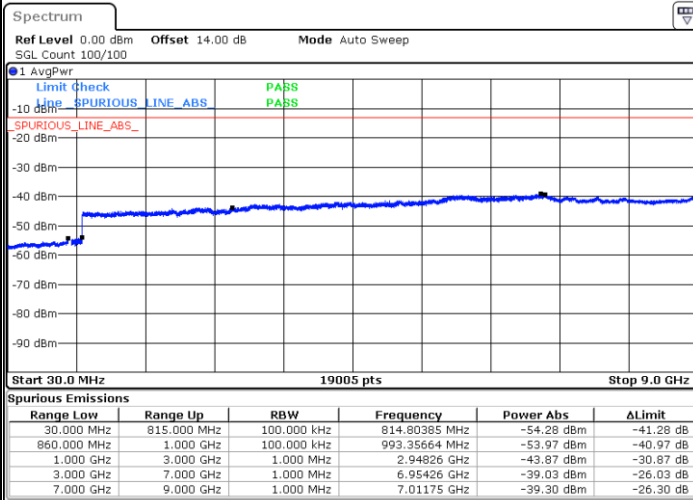


## LTE Band 5B / 5MHz+10MHz

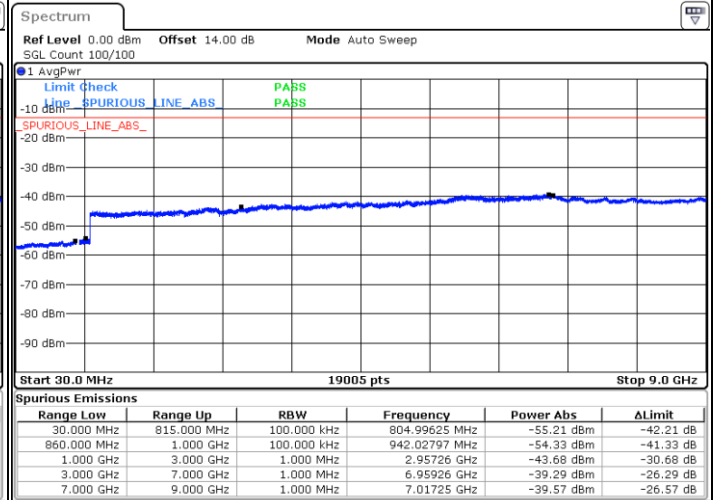
## QPSK

## Lowest Channel / 1RB24 and 1RB0

## Middle Channel / 1RB24 and 1RB0

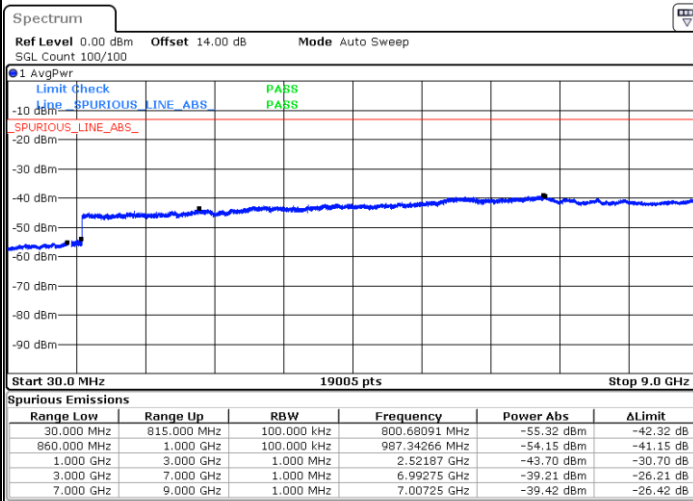


Date: 1.AUG.2025 21:22:14



Date: 1.AUG.2025 21:20:44

## Highest Channel / 1RB24 and 1RB0



Date: 1.AUG.2025 21:39:59

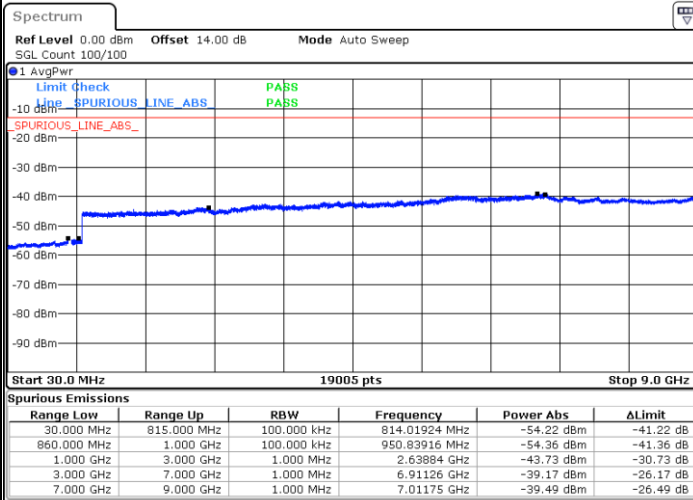


## LTE Band 5B / 10MHz+5MHz

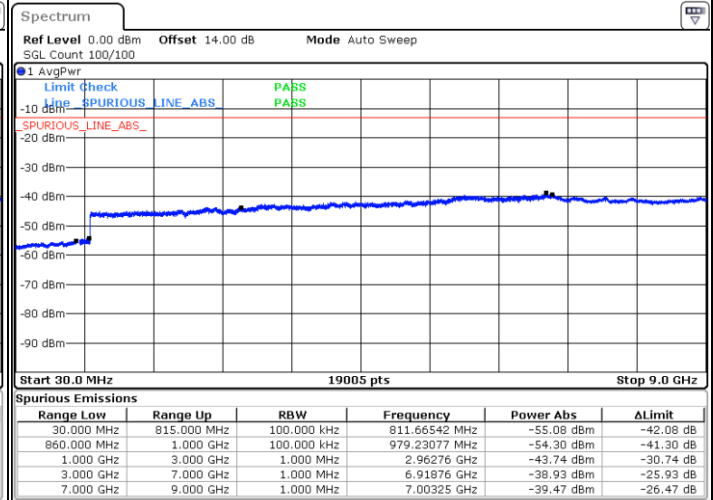
## QPSK

## Lowest Channel / 1RB49 and 1RB0

## Middle Channel / 1RB49 and 1RB0

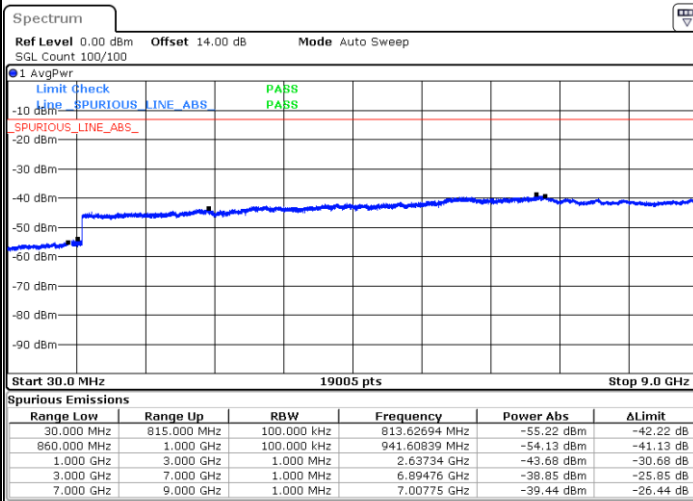


Date: 1.AUG.2025 21:47:02



Date: 1.AUG.2025 21:45:13

## Highest Channel / 1RB49 and 1RB0



Date: 1.AUG.2025 22:04:07

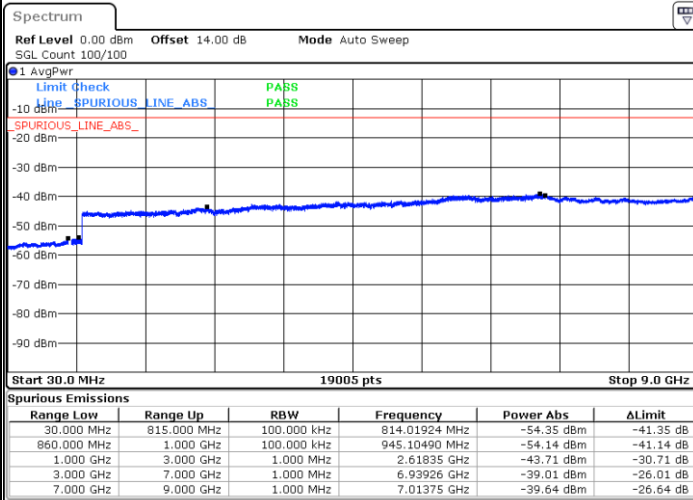


## LTE Band 5B / 10MHz+10MHz

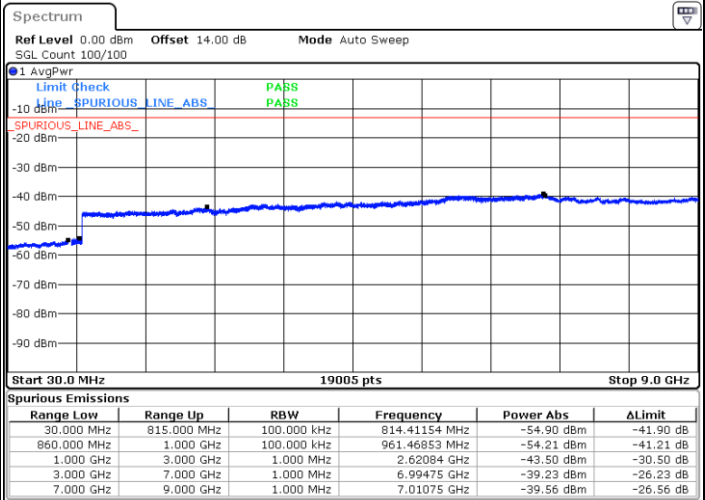
## QPSK

## Lowest Channel / 1RB49 and 1RB0

## Middle Channel / 1RB49 and 1RB0

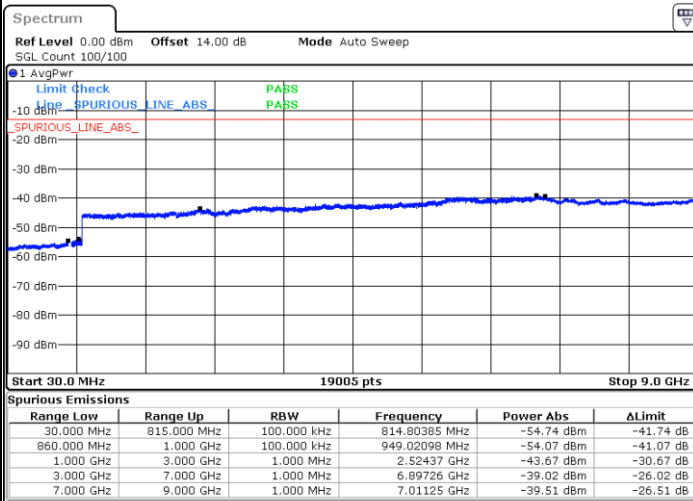


Date: 1.AUG.2025 22:09:47



Date: 1.AUG.2025 22:07:57

## Highest Channel / 1RB49 and 1RB0



Date: 1.AUG.2025 22:25:47



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

|                 |              |                     |        |
|-----------------|--------------|---------------------|--------|
| Test Engineer : | Shunping You | Temperature :       | 22~25℃ |
|                 |              | Relative Humidity : | 50~53% |

| LTE Band 5 / 10MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                    | 1664.18           | -65.95      | -13           | -52.95            | -72.87            | -69.20             | 4.00                 | 9.40                  | H                  |
|                           | 2496.27           | -63.06      | -13           | -50.06            | -74.32            | -66.63             | 4.88                 | 10.60                 | H                  |
|                           | 3328.36           | -61.67      | -13           | -48.67            | -75.61            | -66.60             | 5.52                 | 12.60                 | H                  |
|                           | 1664.18           | -65.12      | -13           | -52.12            | -72.18            | -68.37             | 4.00                 | 9.40                  | V                  |
|                           | 2496.27           | -63.37      | -13           | -50.37            | -74.72            | -66.94             | 4.88                 | 10.60                 | V                  |
|                           | 3328.36           | -61.39      | -13           | -48.39            | -75.31            | -66.32             | 5.52                 | 12.60                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 7 / 20MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                    | 5052.18           | -45.42       | -25           | -20.42            | -64.08            | -50.98             | 7.14                 | 12.70                 | H                  |
|                           | 7578.27           | -50.46       | -25           | -25.46            | -74.18            | -53.76             | 8.30                 | 11.60                 | H                  |
|                           | 10104.36          | -50.87       | -25           | -25.87            | -78.86            | -52.39             | 10.48                | 12.00                 | H                  |
|                           | 5052.18           | -48.67       | -25           | -23.67            | -67.22            | -54.23             | 7.14                 | 12.70                 | V                  |
|                           | 7578.27           | -50.77       | -25           | -25.77            | -74.97            | -54.07             | 8.30                 | 11.60                 | V                  |
|                           | 10104.36          | -51.68       | -25           | -26.68            | -78.33            | -53.20             | 10.48                | 12.00                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 12 / 10MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 1406              | -64.16      | -13           | -51.16            | -72.31            | -67.41             | 4.00                 | 9.40                  | H                  |
|                            | 2109              | -62.84      | -13           | -49.84            | -73.20            | -66.41             | 4.88                 | 10.60                 | H                  |
|                            | 2812              | -61.99      | -13           | -48.99            | -75.02            | -66.92             | 5.52                 | 12.60                 | H                  |
|                            | 1406              | -64.01      | -13           | -51.01            | -72.05            | -67.26             | 4.00                 | 9.40                  | V                  |
|                            | 2109              | -63.53      | -13           | -50.53            | -74.12            | -67.10             | 4.88                 | 10.60                 | V                  |
|                            | 2812              | -62.18      | -13           | -49.18            | -75.14            | -67.11             | 5.52                 | 12.60                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 13 / 5MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                    | 1559.5            | -49.53      | -42.15        | -7.38             | -57.88            | -52.78             | 4.00                 | 9.40                  | H                  |
|                           | 2339.25           | -63.32      | -13           | -50.32            | -74.52            | -66.89             | 4.88                 | 10.60                 | H                  |
|                           | 3119              | -61.60      | -13           | -48.60            | -75.56            | -66.53             | 5.52                 | 12.60                 | H                  |
|                           | 1559.5            | -45.56      | -42.15        | -3.41             | -53.68            | -48.81             | 4.00                 | 9.40                  | V                  |
|                           | 2339.25           | -63.30      | -13           | -50.30            | -74.51            | -66.87             | 4.88                 | 10.60                 | V                  |
|                           | 3119              | -61.53      | -13           | -48.53            | -75.30            | -66.46             | 5.52                 | 12.60                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 13 / 10MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                     | 1559.5            | -60.36      | -42.15        | -18.21            | -68.71            | -63.61             | 4.00                 | 9.40                  | H                  |
|                            | 2339.25           | -63.19      | -13           | -50.19            | -74.39            | -66.76             | 4.88                 | 10.60                 | H                  |
|                            | 3119              | -60.65      | -13           | -47.65            | -74.61            | -65.58             | 5.52                 | 12.60                 | H                  |
|                            | 1559.5            | -59.05      | -42.15        | -16.90            | -67.17            | -62.30             | 4.00                 | 9.40                  | V                  |
|                            | 2339.25           | -63.24      | -13           | -50.24            | -74.45            | -66.81             | 4.88                 | 10.60                 | V                  |
|                            | 3119              | -60.37      | -13           | -47.37            | -74.14            | -65.30             | 5.52                 | 12.60                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE CA_5B / 10MHz+10MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|--------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                        | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                         | 1673.1            | -60.19      | -13           | -47.19            | -66.95            | -63.44             | 4.00                 | 9.40                  | H                  |
|                                | 2509.65           | -62.86      | -13           | -49.86            | -74.14            | -66.43             | 4.88                 | 10.60                 | H                  |
|                                | 3346.2            | -60.33      | -13           | -47.33            | -74.21            | -65.26             | 5.52                 | 12.60                 | H                  |
|                                | 1673.1            | -53.61      | -13           | -40.61            | -60.56            | -56.86             | 4.00                 | 9.40                  | V                  |
|                                | 2509.65           | -62.73      | -13           | -49.73            | -74.12            | -66.30             | 4.88                 | 10.60                 | V                  |
|                                | 3346.2            | -61.07      | -13           | -48.07            | -74.97            | -66.00             | 5.52                 | 12.60                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.