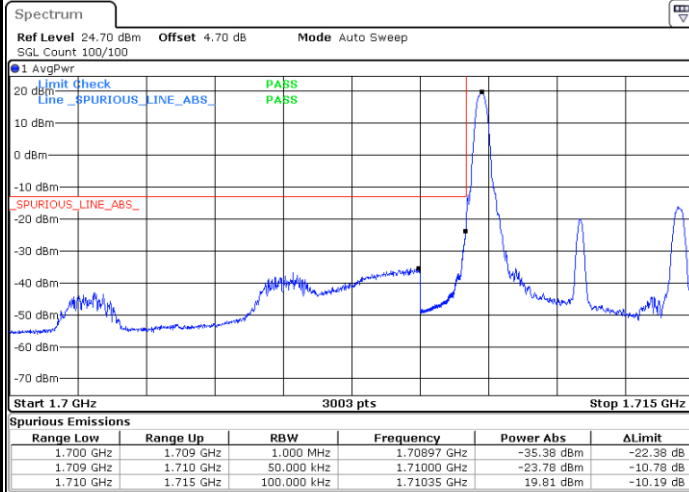


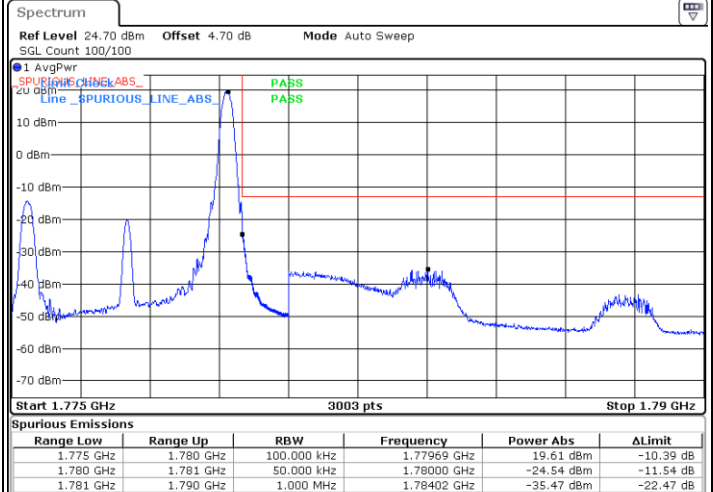


## LTE Band 66 / 5MHz / QPSK

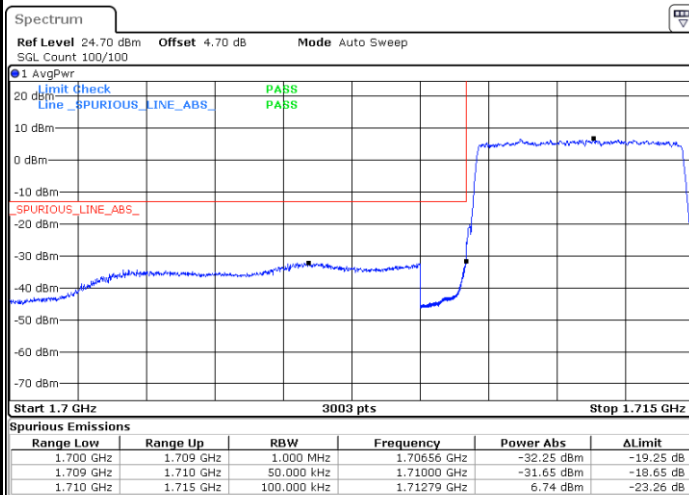
## Lowest Band Edge / 1 RB



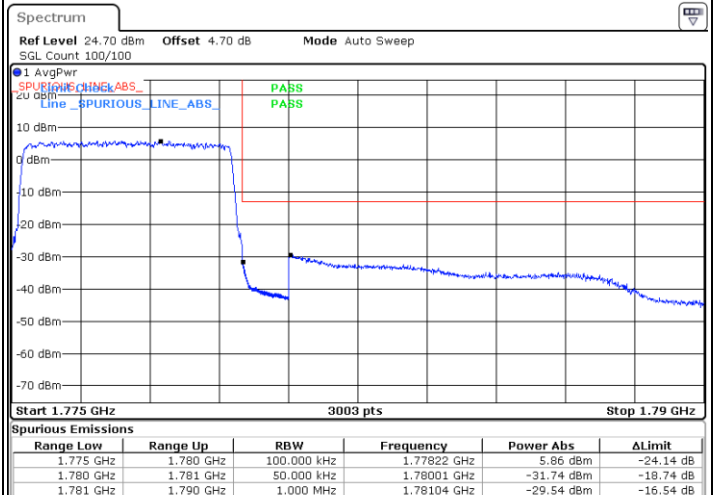
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



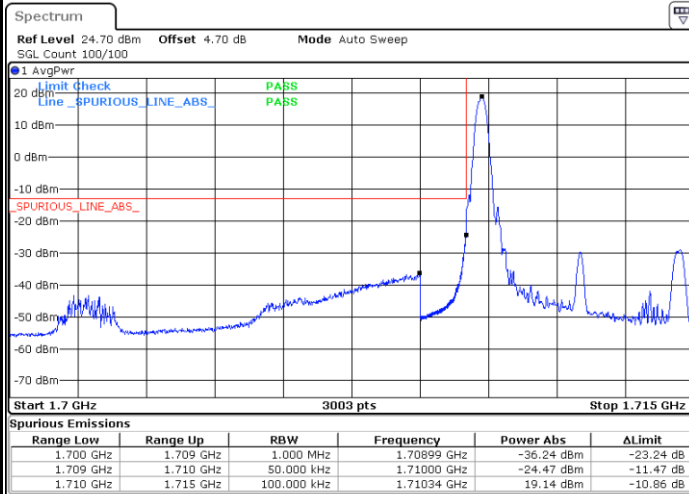
## Highest Band Edge / Full RB



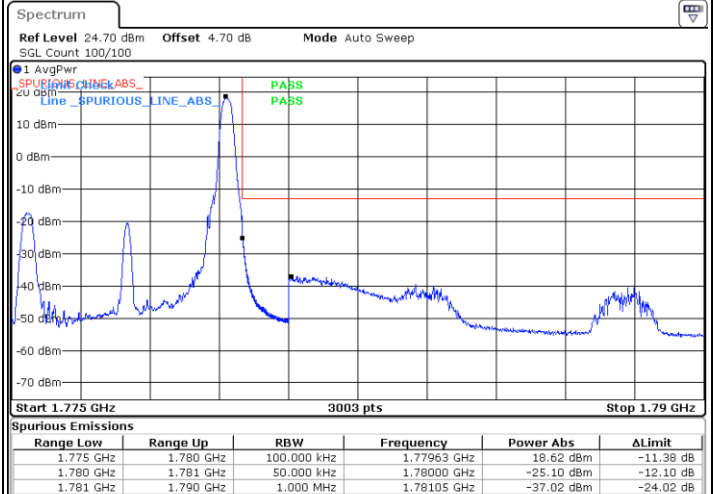


## LTE Band 66 / 5MHz / 16QAM

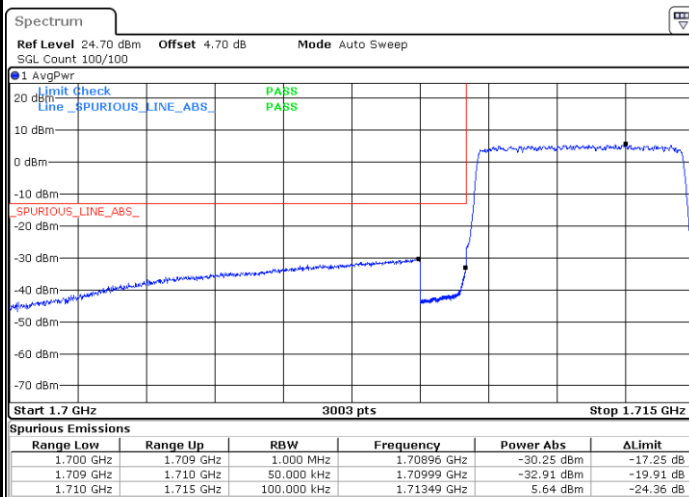
## Lowest Band Edge / 1RB



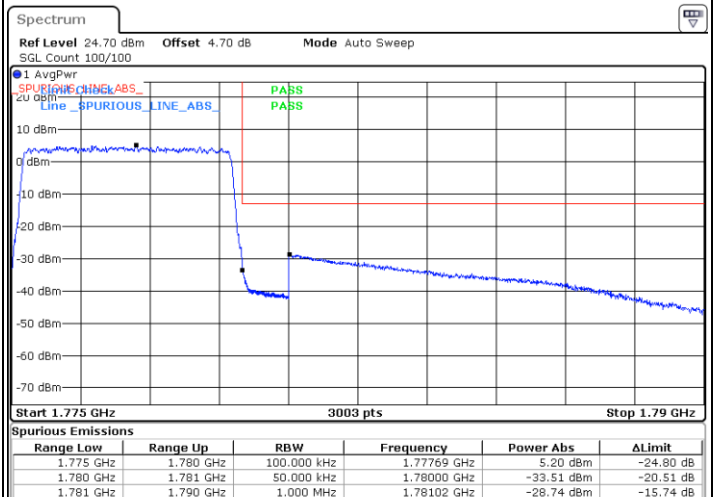
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



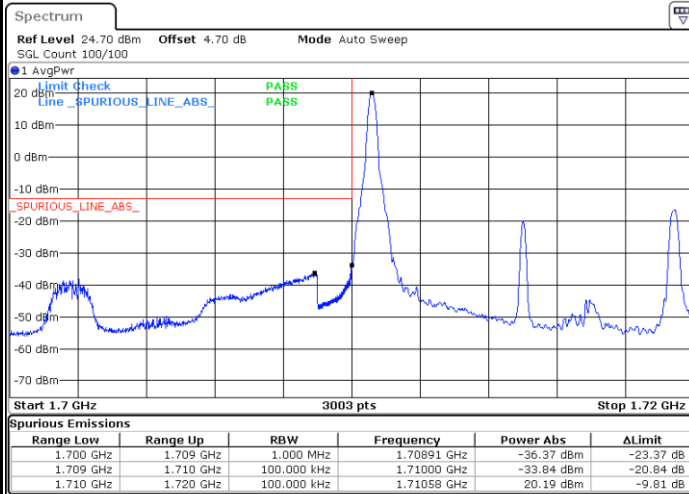
## Highest Band Edge / Full RB



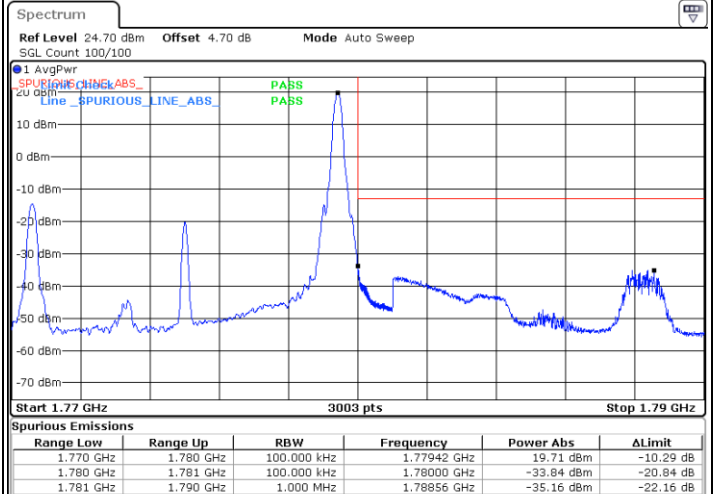


## LTE Band 66 / 10MHz / QPSK

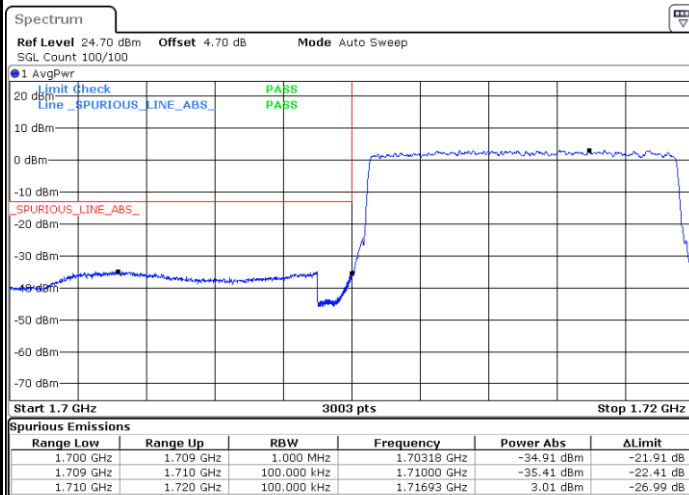
## Lowest Band Edge / 1 RB



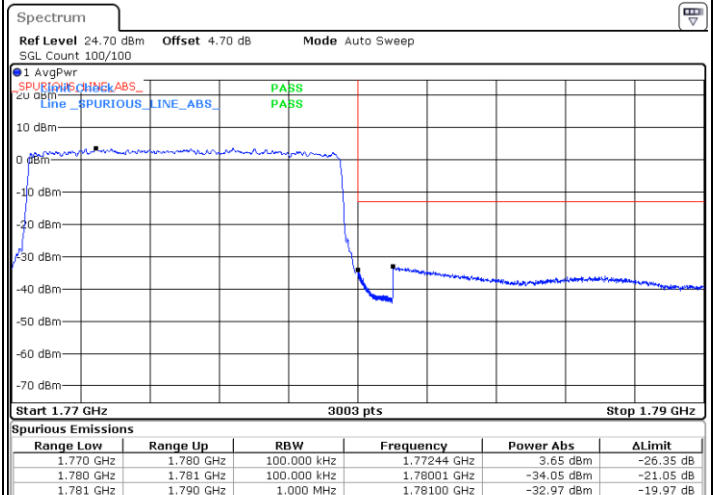
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



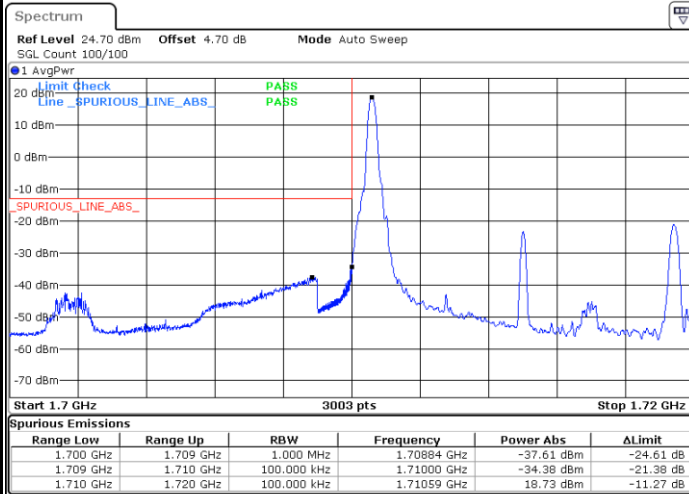
## Highest Band Edge / Full RB



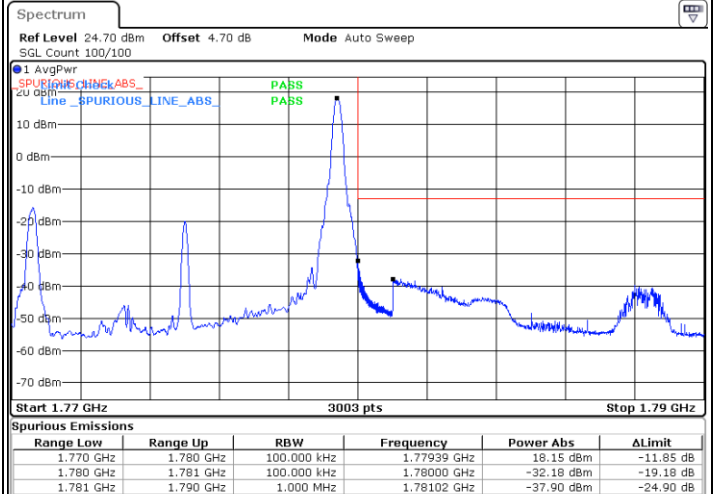


## LTE Band 66 / 10MHz / 16QAM

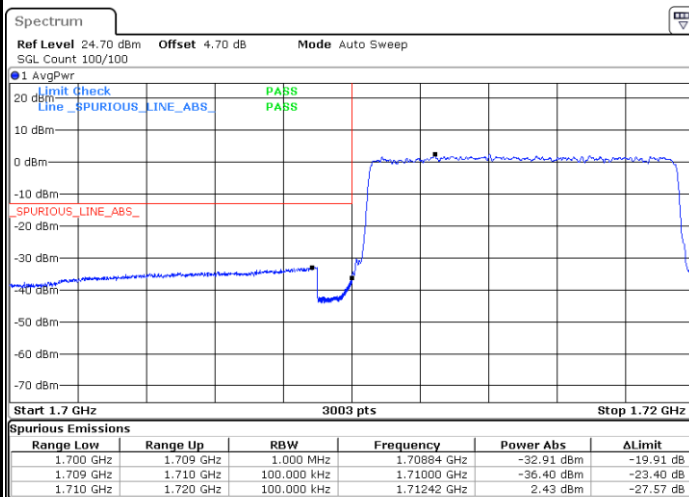
## Lowest Band Edge / 1 RB



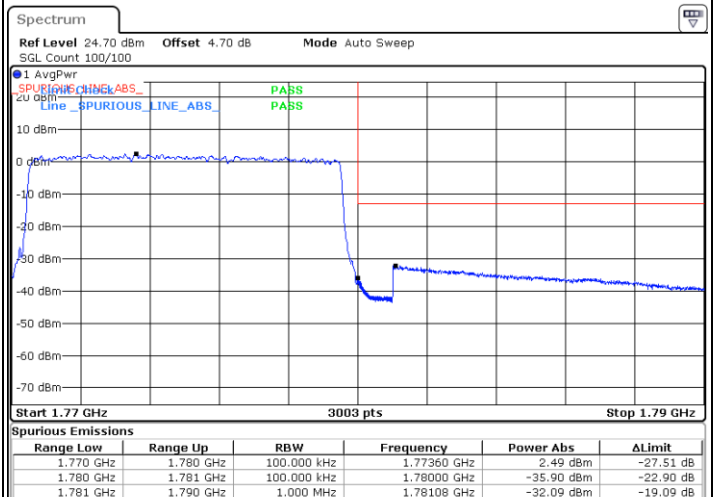
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



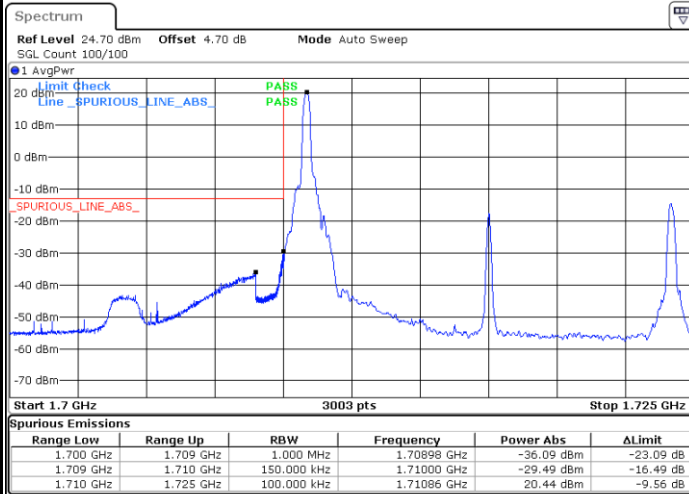
## Highest Band Edge / Full RB



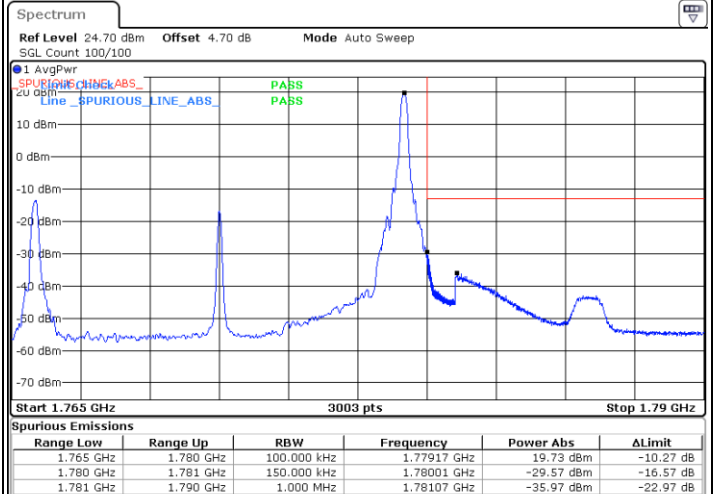


## LTE Band 66 / 15MHz / QPSK

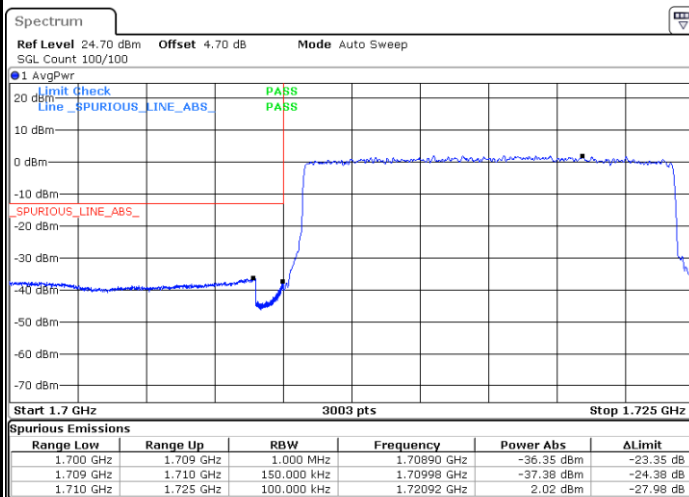
## Lowest Band Edge / 1 RB



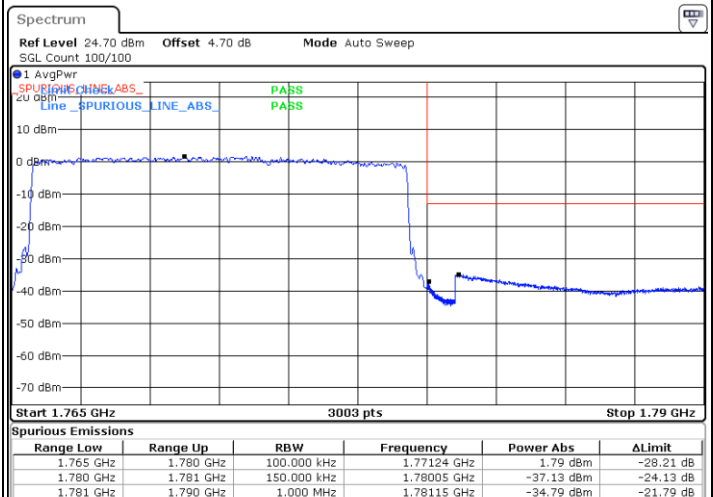
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



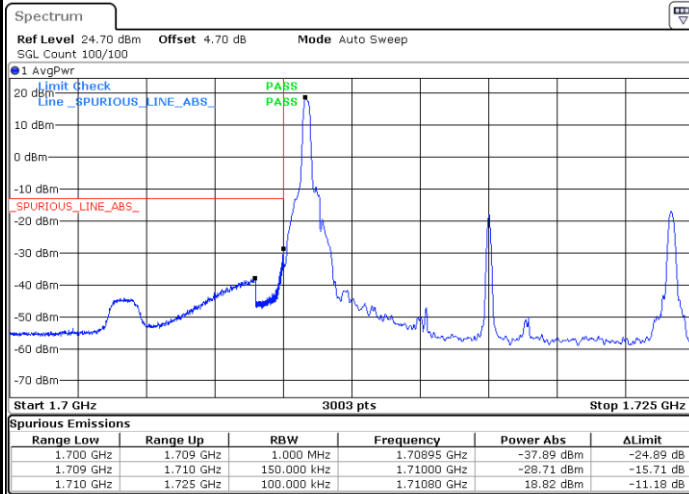
## Highest Band Edge / Full RB



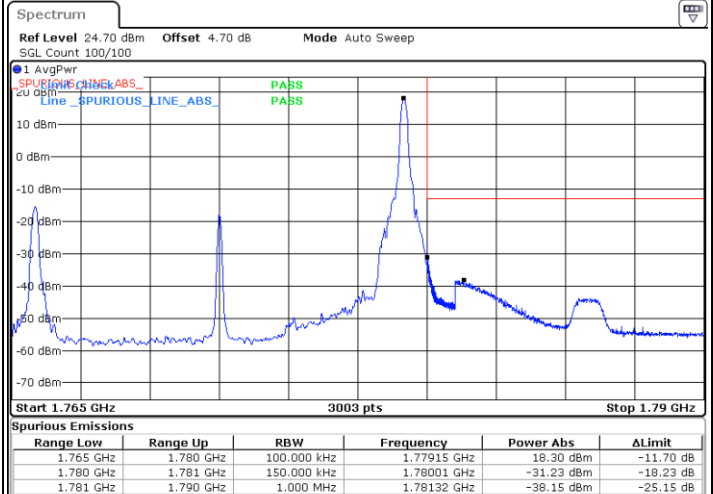


## LTE Band 66 / 15MHz / 16QAM

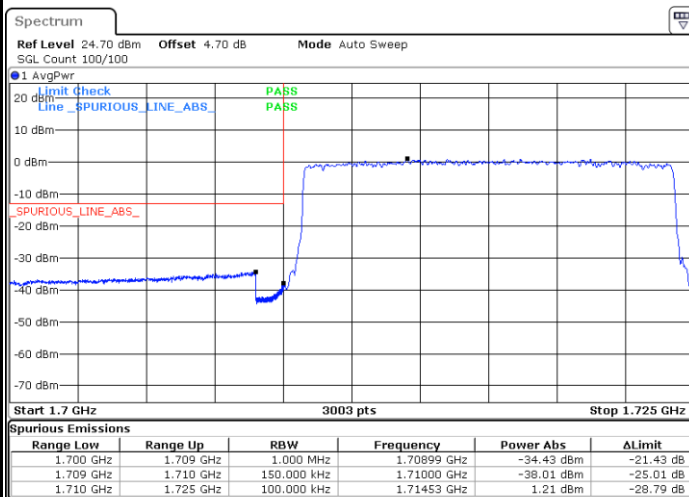
## Lowest Band Edge / 1 RB



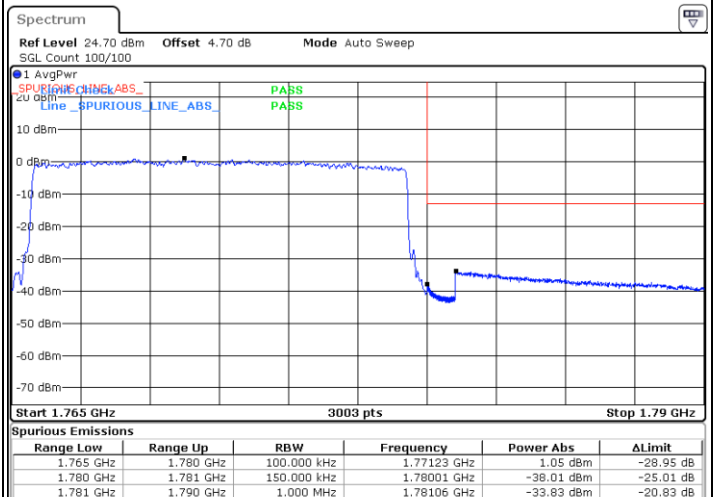
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



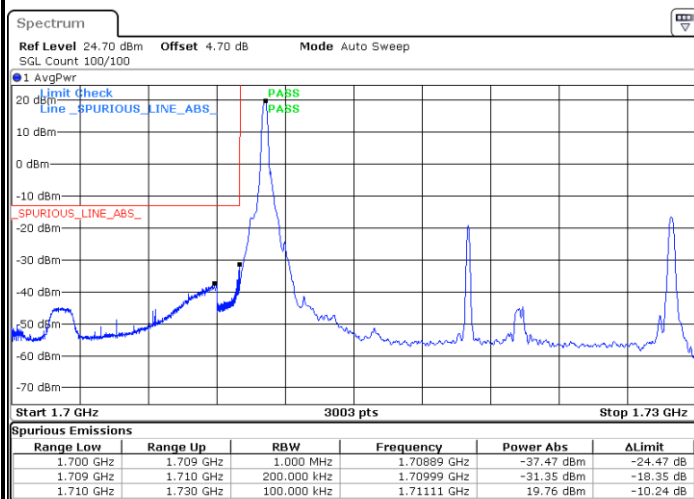
## Highest Band Edge / Full RB



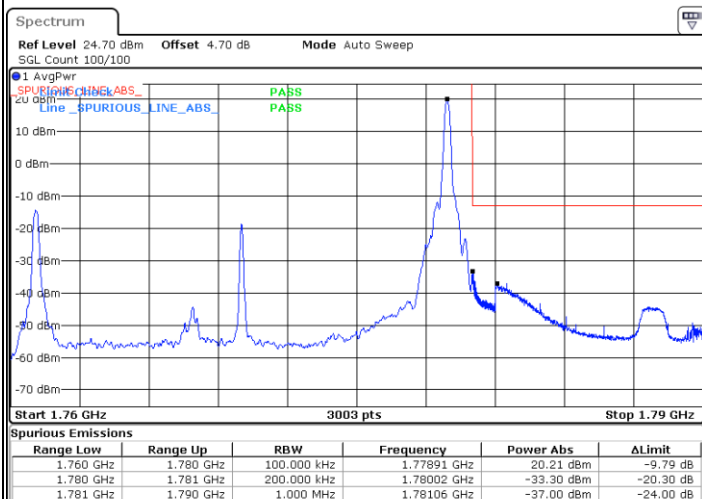


## LTE Band 66 / 20MHz / QPSK

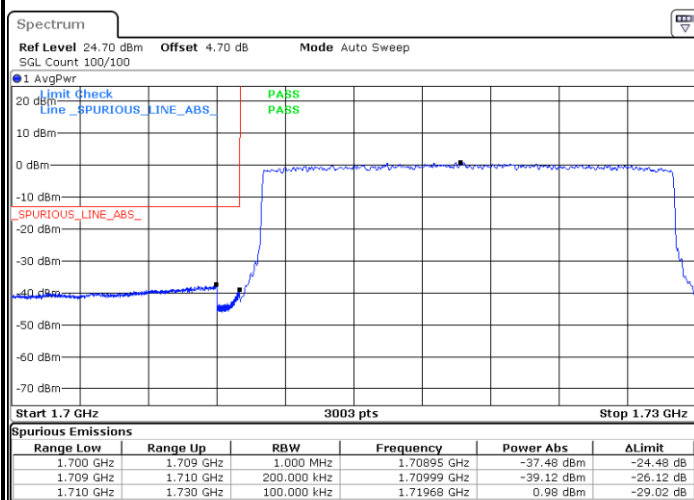
## Lowest Band Edge / 1 RB



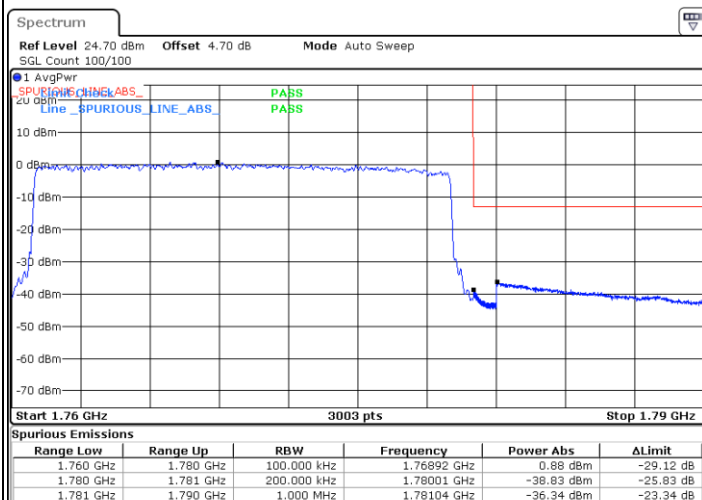
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



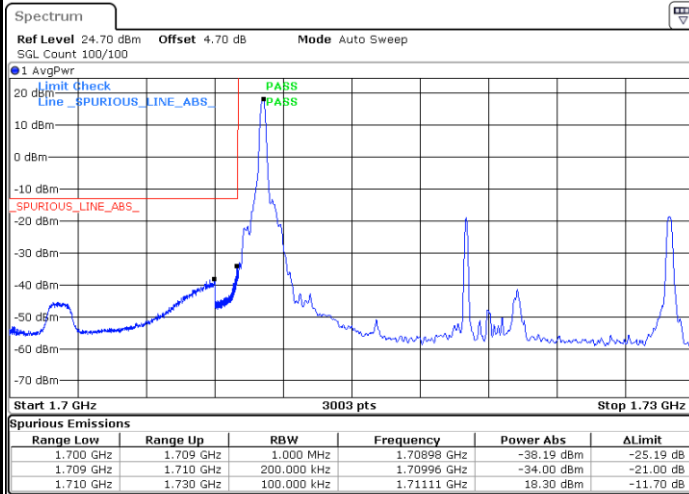
## Highest Band Edge / Full RB



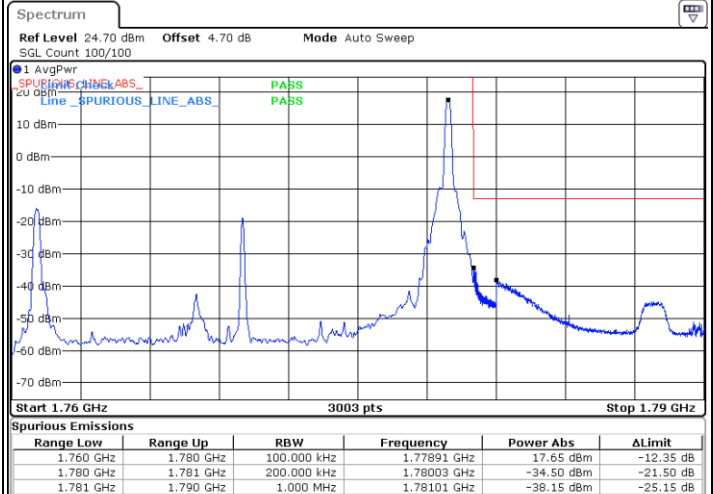


## LTE Band 66 / 20MHz / 16QAM

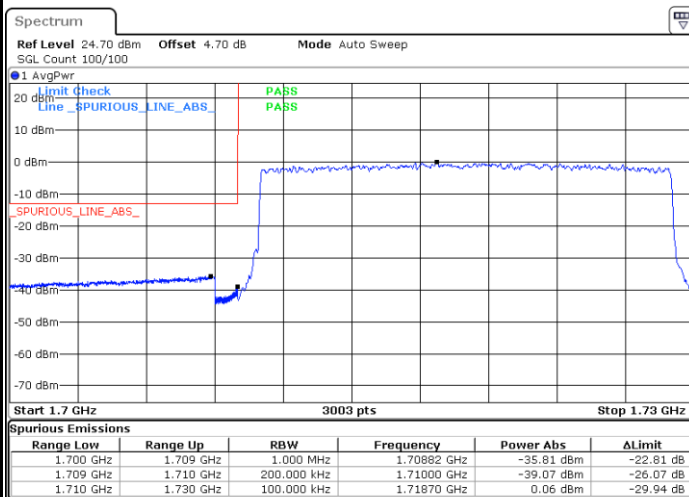
## Lowest Band Edge / 1 RB



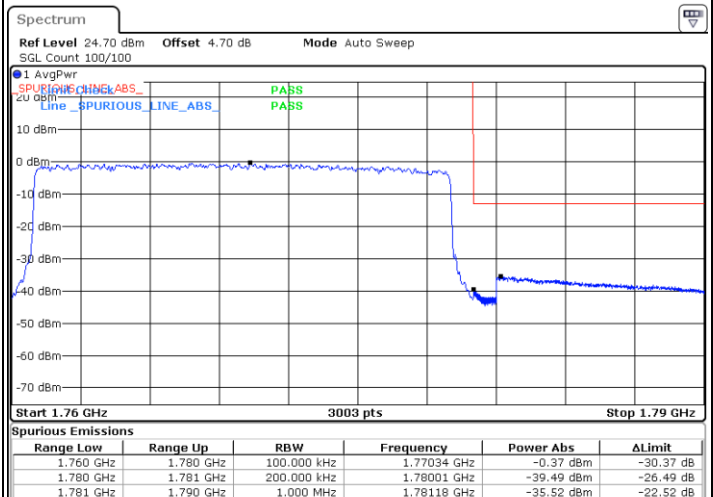
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

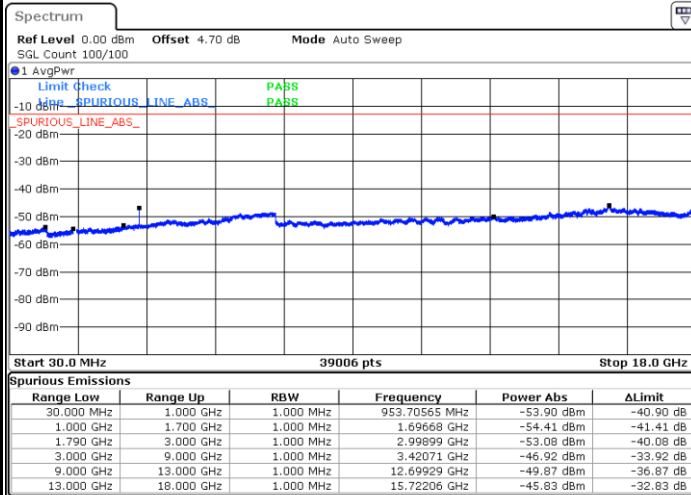




## Conducted Spurious Emission

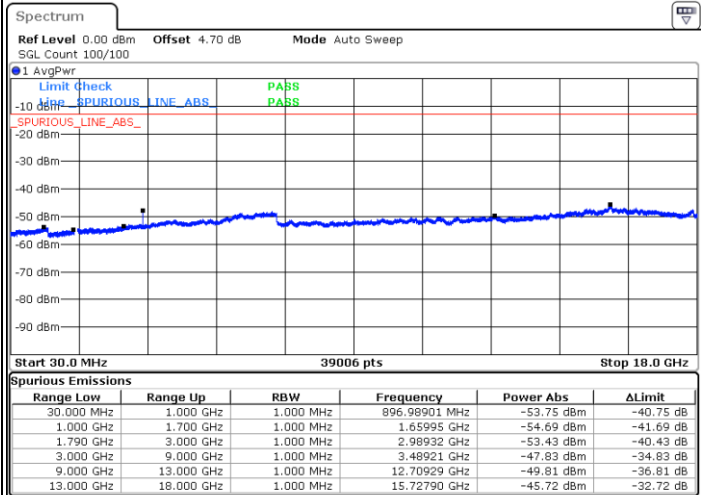
### LTE Band 66 / 1.4MHz

#### Lowest Channel / QPSK



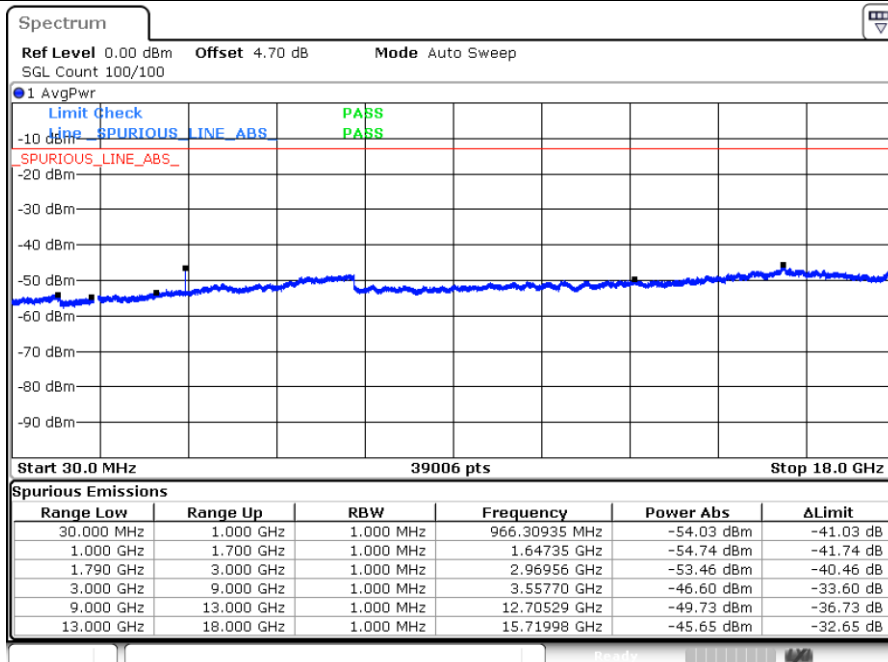
Date: 20.MAR.2025 04:09:45

#### Middle Channel / QPSK



Date: 20.MAR.2025 04:21:02

#### Highest Channel / QPSK

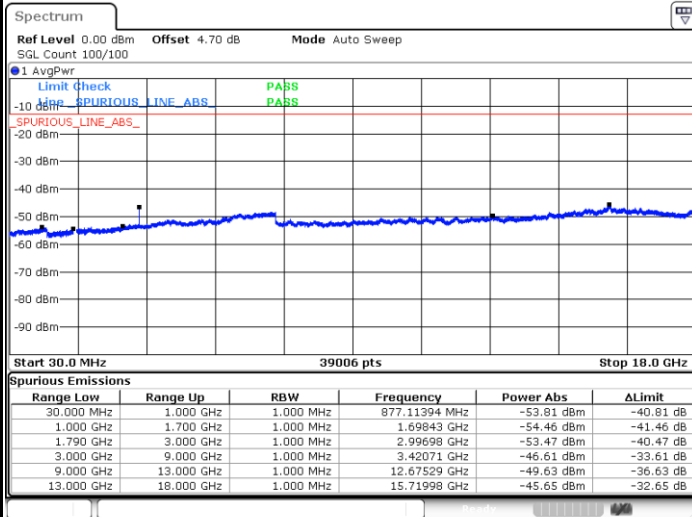


Date: 20.MAR.2025 04:22:09



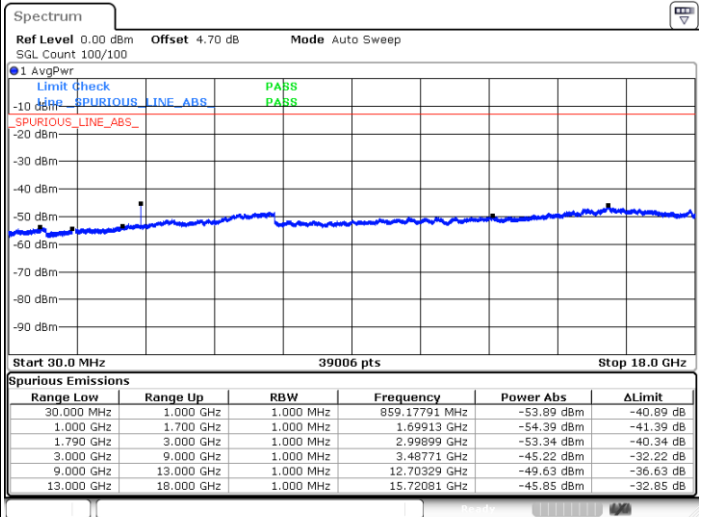
## LTE Band 66 / 3MHz

## Lowest Channel / QPSK



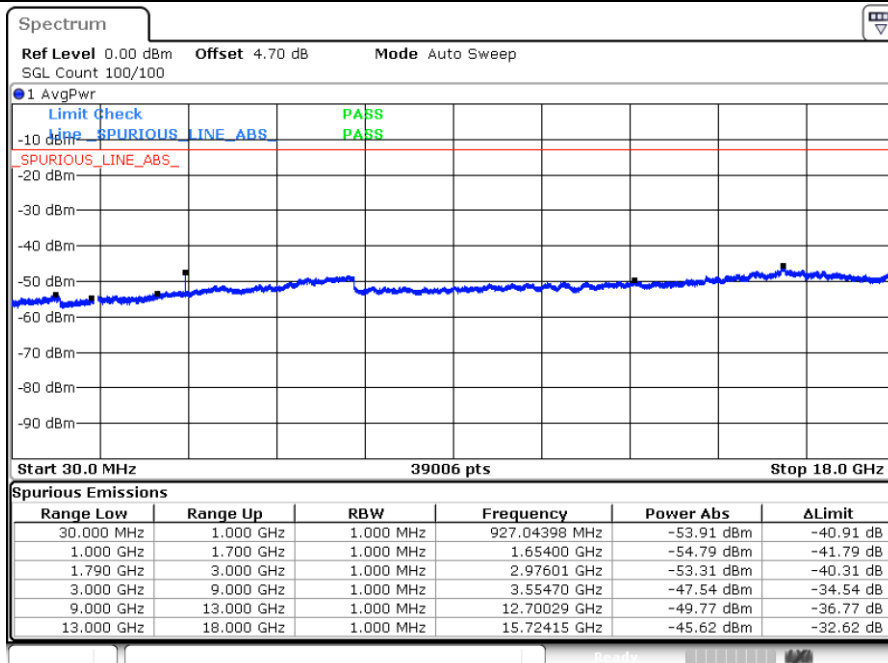
Date: 20.MAR.2025 04:33:22

## Middle Channel / QPSK



Date: 20.MAR.2025 04:45:11

## Highest Channel / QPSK



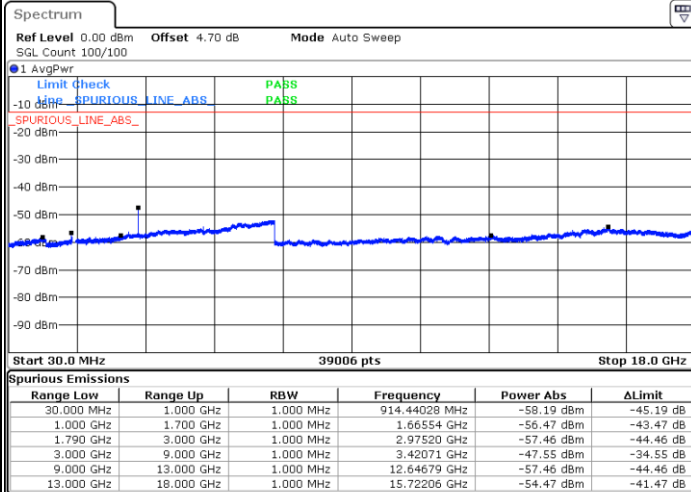
Date: 20.MAR.2025 04:46:18



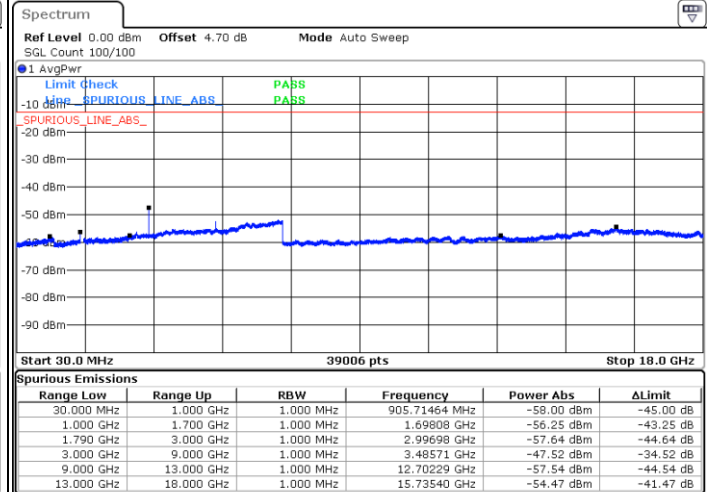
## LTE Band 66 / 5MHz

## Lowest Channel / QPSK

## Middle Channel / QPSK

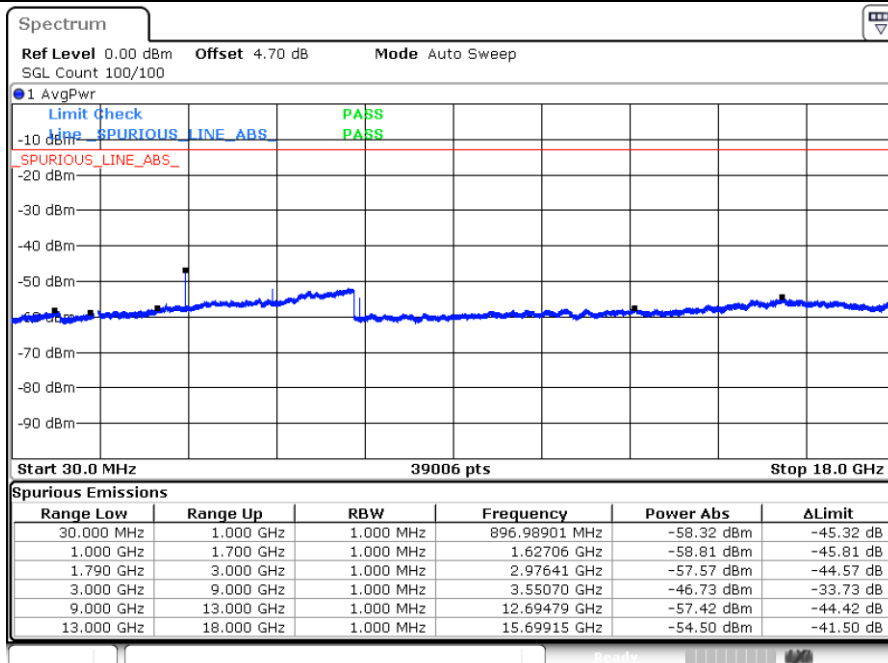


Date: 20.MAR.2025 04:53:56



Date: 20.MAR.2025 05:04:23

## Highest Channel / QPSK

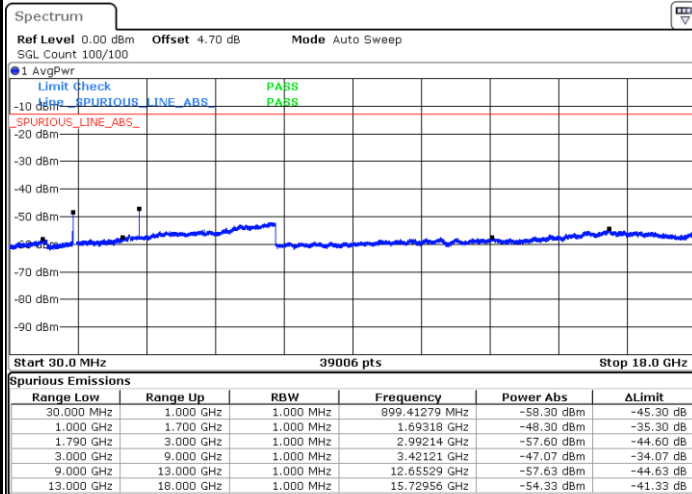


Date: 20.MAR.2025 05:05:30



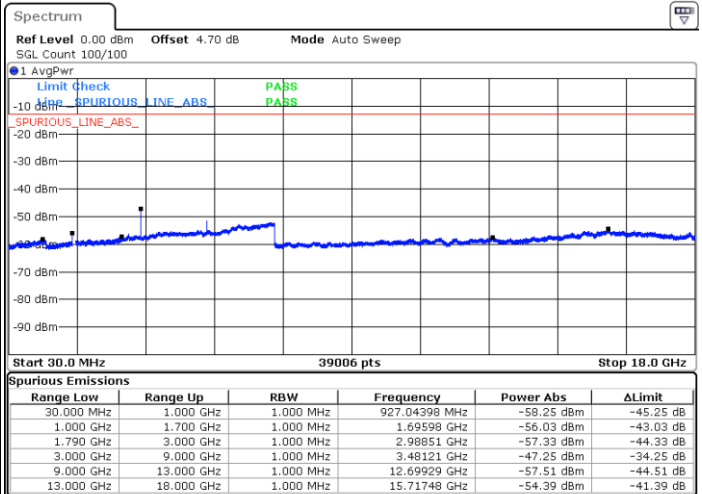
## LTE Band 66 / 10MHz

## Lowest Channel / QPSK



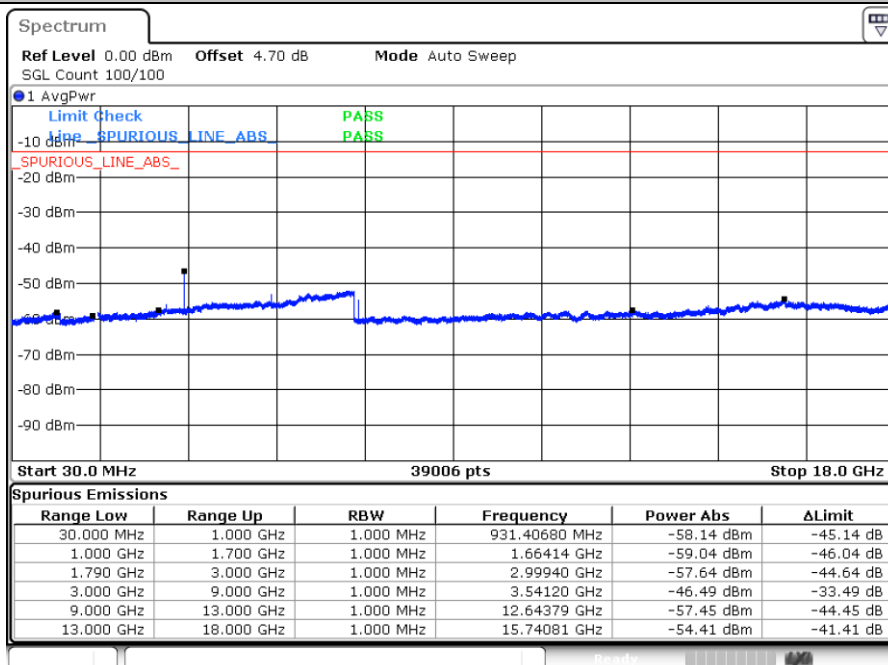
Date: 20.MAR.2025 05:13:16

## Middle Channel / QPSK



Date: 20.MAR.2025 05:20:54

## Highest Channel / QPSK

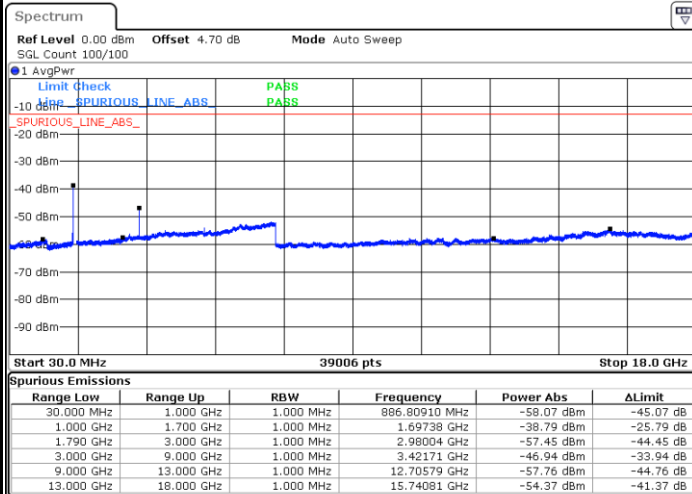


Date: 20.MAR.2025 05:22:01



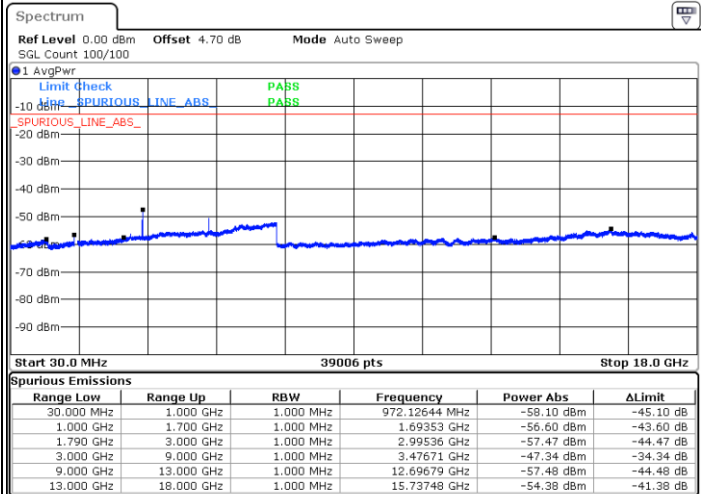
## LTE Band 66 / 15MHz

## Lowest Channel / QPSK



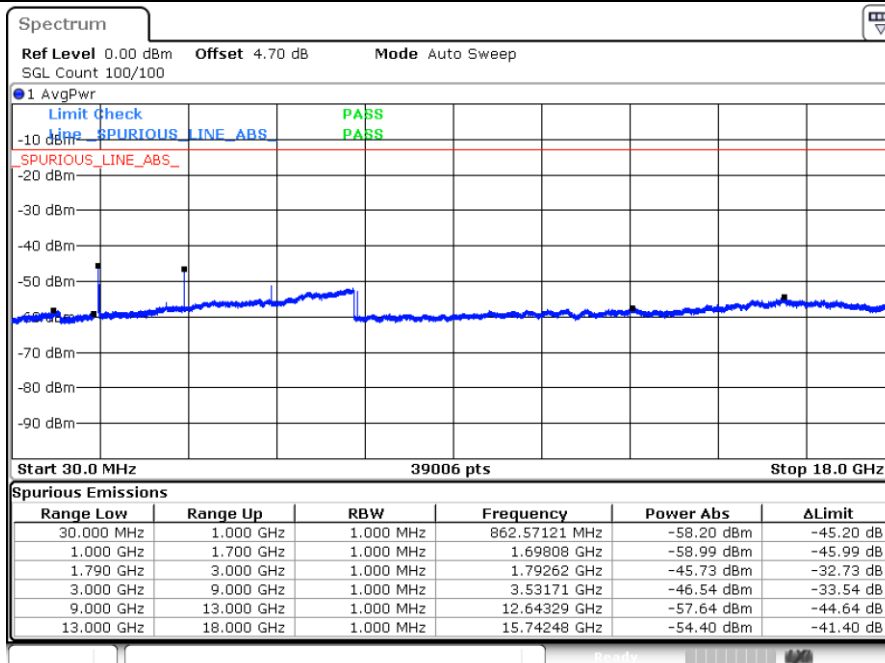
Date: 20.MAR.2025 05:39:39

## Middle Channel / QPSK



Date: 20.MAR.2025 05:48:24

## Highest Channel / QPSK

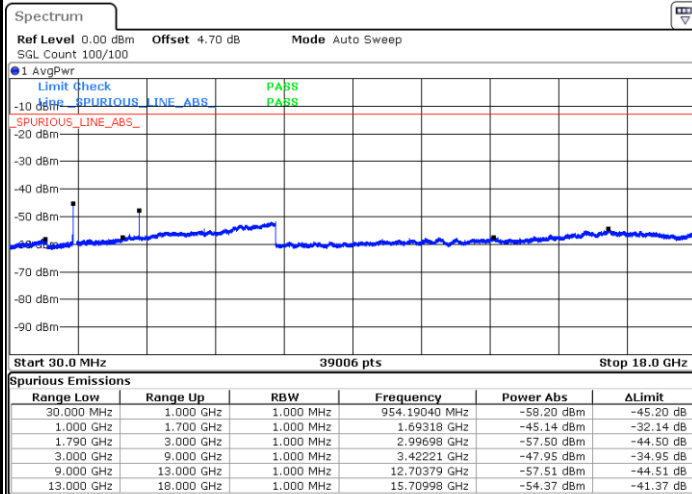


Date: 20.MAR.2025 05:49:31



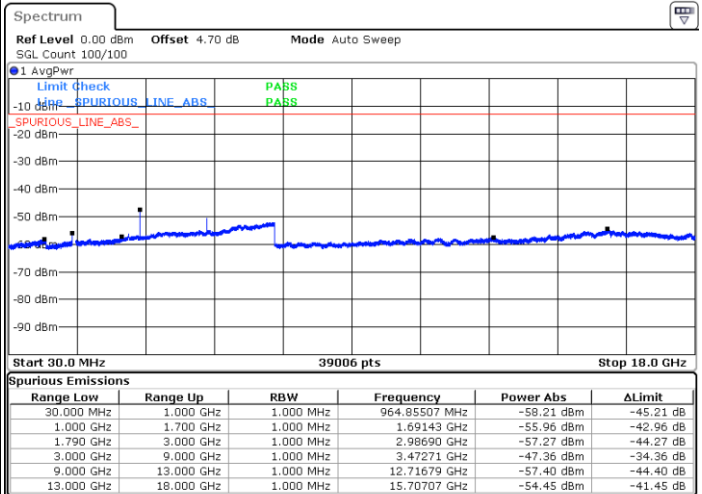
## LTE Band 66 / 20MHz

## Lowest Channel / QPSK



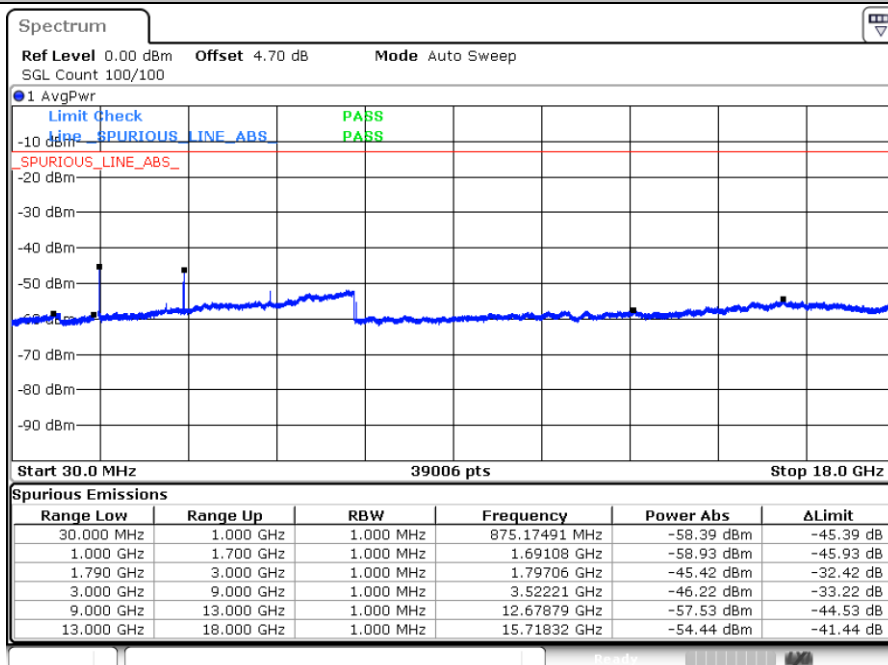
Date: 20.MAR.2025 05:54:43

## Middle Channel / QPSK



Date: 20.MAR.2025 06:02:03

## Highest Channel / QPSK



Date: 20.MAR.2025 06:03:10

## Frequency Stability

| Test Conditions  |                 | LTE Band 66 (QPSK) / Middle Channel | Limit   |
|------------------|-----------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)  | BW 10MHz                            | Note 2. |
|                  |                 | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage  | 0.0024                              | PASS    |
| 40               | Normal Voltage  | 0.0016                              |         |
| 30               | Normal Voltage  | 0.0021                              |         |
| 20(Ref.)         | Normal Voltage  | 0.0000                              |         |
| 10               | Normal Voltage  | 0.0033                              |         |
| 0                | Normal Voltage  | 0.0024                              |         |
| -10              | Normal Voltage  | 0.0015                              |         |
| -20              | Normal Voltage  | 0.0019                              |         |
| -30              | Normal Voltage  | 0.0017                              |         |
| 20               | Maximum Voltage | 0.0022                              |         |
| 20               | Normal Voltage  | 0.0031                              |         |
| 20               | Minimum Voltage | 0.0009                              |         |

**Note:**

1. Normal Voltage =12V. ; Minimum Voltage =9 V. ; Maximum Voltage =43 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

|                 |       |                     |         |
|-----------------|-------|---------------------|---------|
| Test Engineer : | Chris | Temperature :       | 22~25°C |
|                 |       | Relative Humidity : | 51~54%  |

| LTE Band 2 / 20MHz / QPSK |                   |              |               |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                    | 3705              | -64.60       | -13           | -51.60            | -76.86             | 2.641                | 14.90                 | H                  |
|                           | 5550              | -61.20       | -13           | -48.20            | -73.06             | 2.94                 | 14.80                 | H                  |
|                           | 7410              | -58.27       | -13           | -45.27            | -68.04             | 3.39                 | 13.16                 | H                  |
|                           | 3705              | -66.48       | -13           | -53.48            | -78.74             | 2.64                 | 14.90                 | V                  |
|                           | 5550              | -61.00       | -13           | -48.00            | -72.86             | 2.94                 | 14.80                 | V                  |
|                           | 7410              | -58.34       | -13           | -45.34            | -68.11             | 3.39                 | 13.16                 | V                  |
| Middle                    | 3735              | -64.93       | -13           | -51.93            | -77.19             | 2.64                 | 14.90                 | H                  |
|                           | 5610              | -60.80       | -13           | -47.80            | -72.66             | 2.94                 | 14.80                 | H                  |
|                           | 7485              | -57.74       | -13           | -44.74            | -67.51             | 3.39                 | 13.16                 | H                  |
|                           | 3735              | -65.90       | -13           | -52.90            | -78.16             | 2.64                 | 14.90                 | V                  |
|                           | 5610              | -60.62       | -13           | -47.62            | -72.48             | 2.94                 | 14.80                 | V                  |
|                           | 7485              | -57.53       | -13           | -44.53            | -67.30             | 3.39                 | 13.16                 | V                  |
| Highest                   | 3780              | -62.23       | -13           | -49.23            | -74.49             | 2.64                 | 14.90                 | H                  |
|                           | 5670              | -61.43       | -13           | -48.43            | -73.29             | 2.94                 | 14.80                 | H                  |
|                           | 7560              | -57.83       | -13           | -44.83            | -67.60             | 3.39                 | 13.16                 | H                  |
|                           | 3780              | -64.39       | -13           | -51.39            | -76.65             | 2.64                 | 14.90                 | V                  |
|                           | 5670              | -59.78       | -13           | -46.78            | -71.64             | 2.94                 | 14.80                 | V                  |
|                           | 7560              | -58.01       | -13           | -45.01            | -67.78             | 3.39                 | 13.16                 | V                  |

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



| LTE Band 25 / 20MHz / QPSK |                   |              |               |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                     | 3705              | -57.34       | -13           | -44.34            | -69.60             | 2.64                 | 14.90                 | H                  |
|                            | 5550              | -56.22       | -13           | -43.22            | -68.08             | 2.94                 | 14.80                 | H                  |
|                            | 7410              | -52.37       | -13           | -39.37            | -62.14             | 3.39                 | 13.16                 | H                  |
|                            | 3705              | -57.04       | -13           | -44.04            | -69.30             | 2.64                 | 14.90                 | V                  |
|                            | 5550              | -56.25       | -13           | -43.25            | -68.11             | 2.94                 | 14.80                 | V                  |
|                            | 7410              | -52.30       | -13           | -39.30            | -62.07             | 3.39                 | 13.16                 | V                  |
| Middle                     | 3750              | -56.98       | -13           | -43.98            | -69.24             | 2.64                 | 14.90                 | H                  |
|                            | 5625              | -55.71       | -13           | -42.71            | -67.57             | 2.94                 | 14.80                 | H                  |
|                            | 7500              | -51.50       | -13           | -38.50            | -61.27             | 3.39                 | 13.16                 | H                  |
|                            | 3750              | -56.86       | -13           | -43.86            | -69.12             | 2.64                 | 14.90                 | V                  |
|                            | 5625              | -56.64       | -13           | -43.64            | -68.50             | 2.94                 | 14.80                 | V                  |
|                            | 7500              | -51.67       | -13           | -38.67            | -61.44             | 3.39                 | 13.16                 | V                  |
| Highest                    | 3795              | -56.91       | -13           | -43.91            | -69.17             | 2.64                 | 14.90                 | H                  |
|                            | 5685              | -55.47       | -13           | -42.47            | -67.33             | 2.94                 | 14.80                 | H                  |
|                            | 7590              | -51.99       | -13           | -38.99            | -61.76             | 3.39                 | 13.16                 | H                  |
|                            | 3795              | -56.98       | -13           | -43.98            | -69.24             | 2.64                 | 14.90                 | V                  |
|                            | 5685              | -55.97       | -13           | -42.97            | -67.83             | 2.94                 | 14.80                 | V                  |
|                            | 7590              | -52.44       | -13           | -39.44            | -62.21             | 3.39                 | 13.16                 | V                  |

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

| LTE Band 26 / 15MHz / QPSK |                   |             |               |                   |                    |                      |                       |                    |
|----------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                     | 1648              | -58.34      | -13           | -45.34            | -65.31             | 1.58                 | 10.70                 | H                  |
|                            | 2472              | -58.69      | -13           | -45.69            | -66.94             | 2.102                | 12.50                 | H                  |
|                            | 3296              | -57.16      | -13           | -44.16            | -66.05             | 2.856                | 13.90                 | H                  |
|                            | 1648              | -60.84      | -13           | -47.84            | -67.81             | 1.58                 | 10.70                 | V                  |
|                            | 2472              | -56.78      | -13           | -43.78            | -65.03             | 2.10                 | 12.50                 | V                  |
|                            | 3296              | -56.93      | -13           | -43.93            | -65.82             | 2.86                 | 13.90                 | V                  |
| Middle                     | 1656              | -57.95      | -13           | -44.95            | -64.92             | 1.58                 | 10.70                 | H                  |
|                            | 2488              | -58.39      | -13           | -45.39            | -66.64             | 2.102                | 12.50                 | H                  |
|                            | 3320              | -57.38      | -13           | -44.38            | -66.27             | 2.856                | 13.90                 | H                  |
|                            | 1656              | -60.84      | -13           | -47.84            | -67.81             | 1.58                 | 10.70                 | V                  |
|                            | 2488              | -56.73      | -13           | -43.73            | -64.98             | 2.10                 | 12.50                 | V                  |
|                            | 3320              | -56.96      | -13           | -43.96            | -65.85             | 2.86                 | 13.90                 | V                  |
| Highest                    | 1672              | -58.02      | -13           | -45.02            | -64.99             | 1.58                 | 10.70                 | H                  |
|                            | 2504              | -58.81      | -13           | -45.81            | -67.06             | 2.102                | 12.50                 | H                  |
|                            | 3336              | -57.43      | -13           | -44.43            | -66.32             | 2.856                | 13.90                 | H                  |
|                            | 1672              | -59.53      | -13           | -46.53            | -66.50             | 1.58                 | 10.70                 | V                  |
|                            | 2504              | -57.73      | -13           | -44.73            | -65.98             | 2.10                 | 12.50                 | V                  |
|                            | 3336              | -56.85      | -13           | -43.85            | -65.74             | 2.86                 | 13.90                 | V                  |

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



| LTE Band 66 / 20MHz / QPSK |                      |                 |                  |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 3420                 | -58.25          | -13              | -45.25                  | -68.99                   | 2.604                      | 13.34                       | H                     |
|                            | 5130                 | -55.36          | -13              | -42.36                  | -65.87                   | 3.011                      | 13.52                       | H                     |
|                            | 6840                 | -54.42          | -13              | -41.42                  | -64.62                   | 3.271                      | 13.47                       | H                     |
|                            | 3420                 | -58.44          | -13              | -45.44                  | -69.18                   | 2.604                      | 13.34                       | V                     |
|                            | 5130                 | -55.53          | -13              | -42.53                  | -66.04                   | 3.011                      | 13.52                       | V                     |
|                            | 6840                 | -54.65          | -13              | -41.65                  | -64.85                   | 3.271                      | 13.47                       | V                     |
| Middle                     | 3465                 | -58.00          | -13              | -45.00                  | -68.74                   | 2.604                      | 13.34                       | H                     |
|                            | 5205                 | -55.71          | -13              | -42.71                  | -66.22                   | 3.011                      | 13.52                       | H                     |
|                            | 6945                 | -54.51          | -13              | -41.51                  | -64.71                   | 3.271                      | 13.47                       | H                     |
|                            | 3465                 | -58.35          | -13              | -45.35                  | -69.09                   | 2.604                      | 13.34                       | V                     |
|                            | 5205                 | -55.66          | -13              | -42.66                  | -66.17                   | 3.011                      | 13.52                       | V                     |
|                            | 6945                 | -54.19          | -13              | -41.19                  | -64.39                   | 3.271                      | 13.47                       | V                     |
| Highest                    | 3525                 | -57.72          | -13              | -44.72                  | -68.46                   | 2.604                      | 13.34                       | H                     |
|                            | 5280                 | -56.07          | -13              | -43.07                  | -66.58                   | 3.011                      | 13.52                       | H                     |
|                            | 7050                 | -53.79          | -13              | -40.79                  | -63.99                   | 3.271                      | 13.47                       | H                     |
|                            | 3525                 | -58.17          | -13              | -45.17                  | -68.91                   | 2.604                      | 13.34                       | V                     |
|                            | 5280                 | -56.09          | -13              | -43.09                  | -66.60                   | 3.011                      | 13.52                       | V                     |
|                            | 7050                 | -53.87          | -13              | -40.87                  | -64.07                   | 3.271                      | 13.47                       | V                     |

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