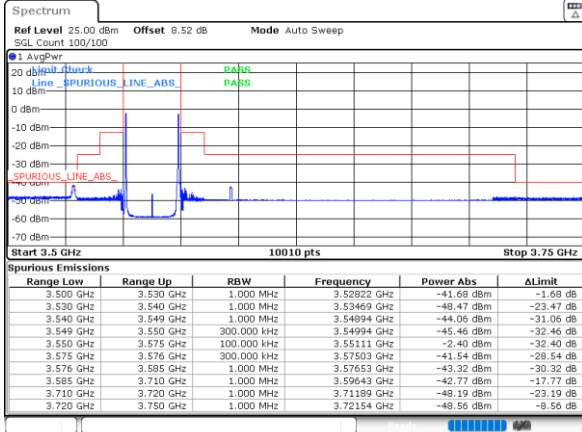




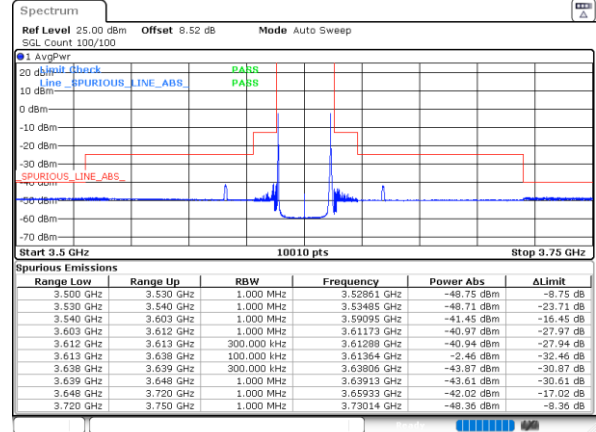
## LTE Band 48C / 5MHz+20MHz

## 256QAM

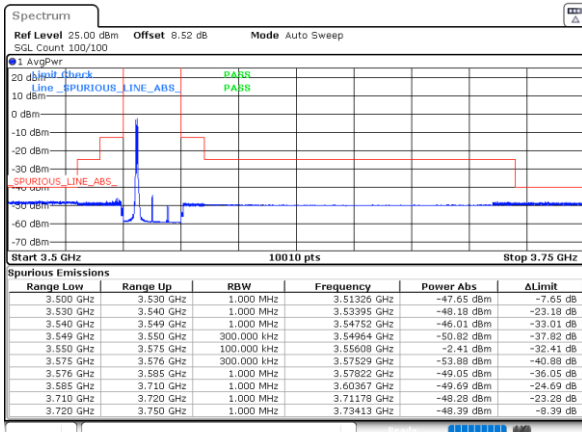
## Lowest Band Edge / 1RB0 and 1RB99



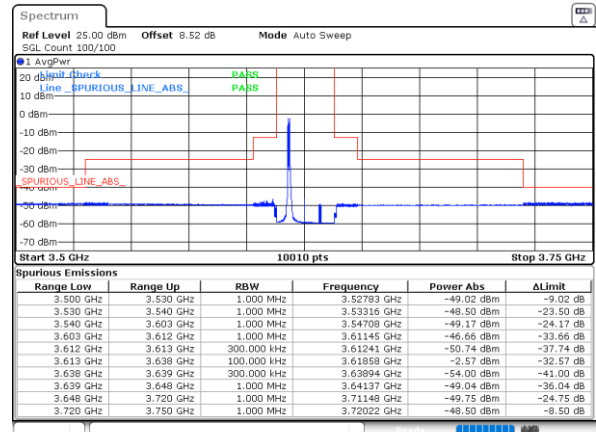
## Middle Band Edge / 1RB0 and 1RB99



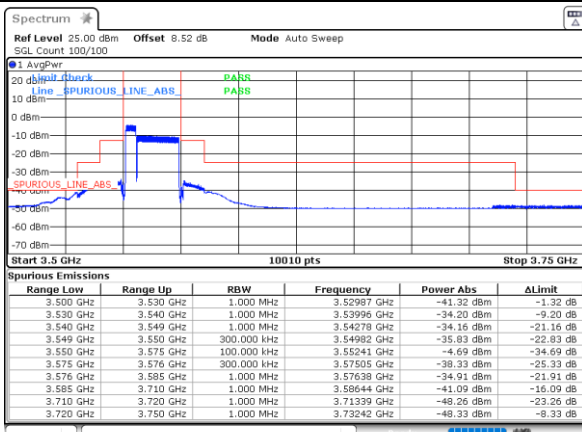
## Lowest Band Edge / 1RB24 and 1RB0



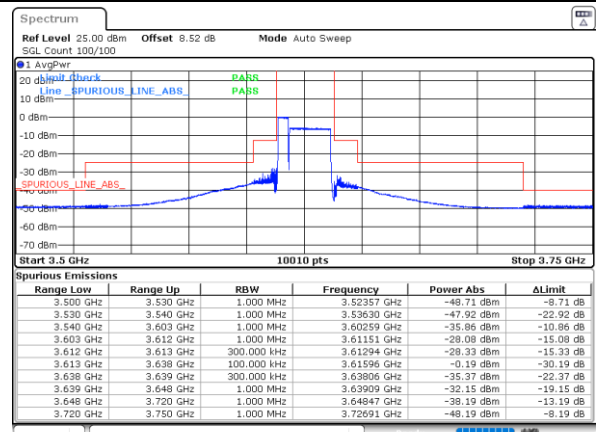
## Middle Band Edge / 1RB24 and 1RB0



## Lowest Band Edge / Full RB



## Middle Band Edge / Full RB



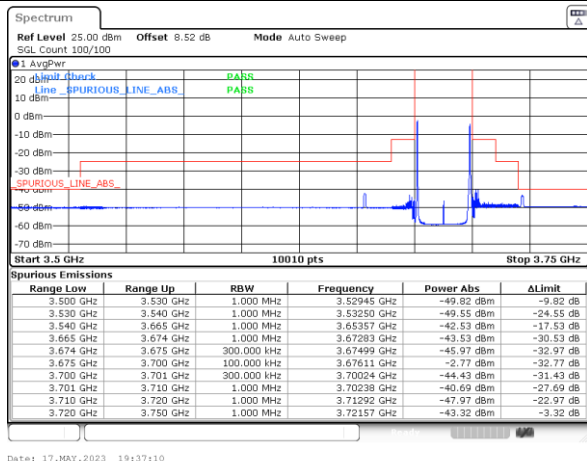


## LTE Band 48C / 5MHz+20MHz

## 256QAM

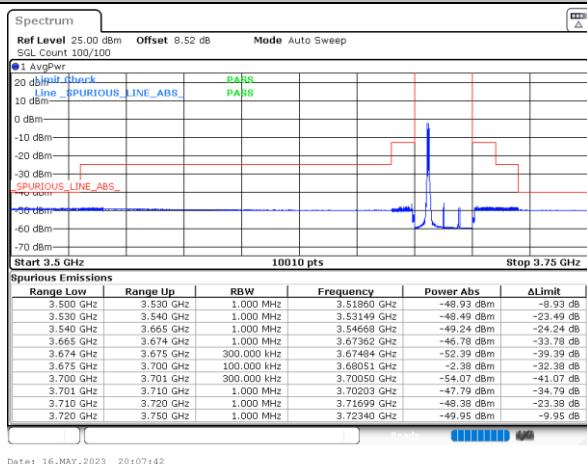
## Highest Band Edge / 1RB0 and 1RB99

N/A



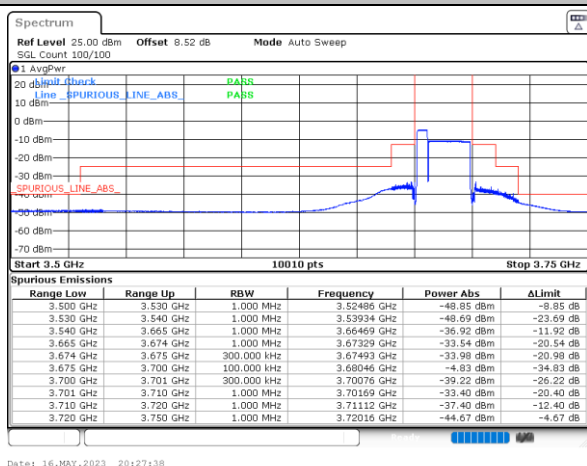
## Highest Band Edge / 1RB24 and 1RB0

N/A



## Highest Band Edge / Full RB

N/A

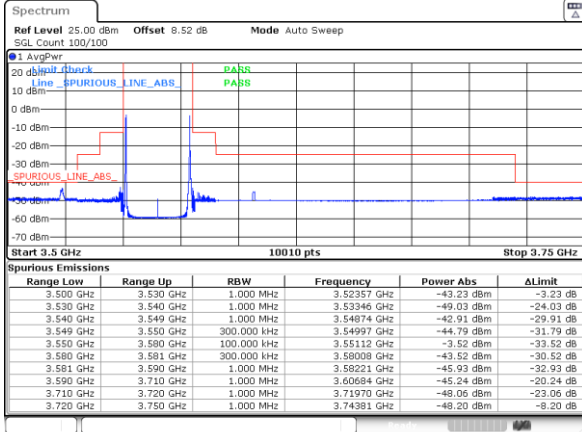




## LTE Band 48C / 10MHz+20MHz

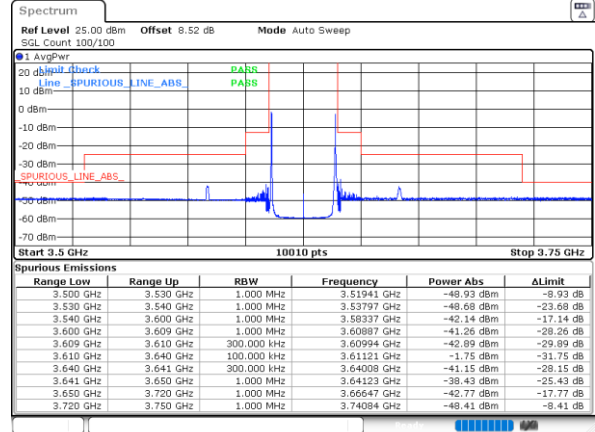
## 256QAM

## Lowest Band Edge / 1RB0 and 1RB99



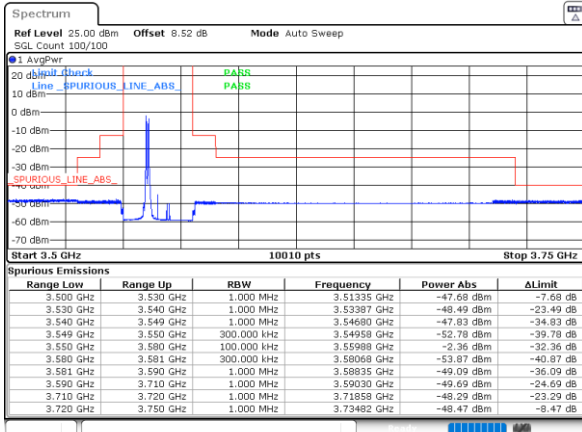
Date: 17.MAY.2023 20:14:20

## Middle Band Edge / 1RB0 and 1RB99



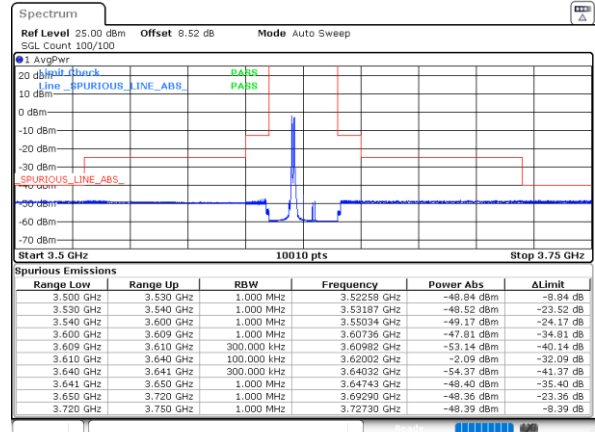
Date: 16.MAY.2023 21:17:27

## Lowest Band Edge / 1RB49 and 1RB0



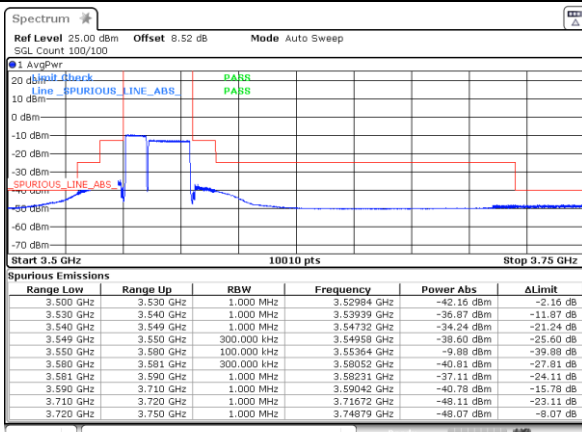
Date: 16.MAY.2023 20:57:41

## Middle Band Edge / 1RB49 and 1RB0



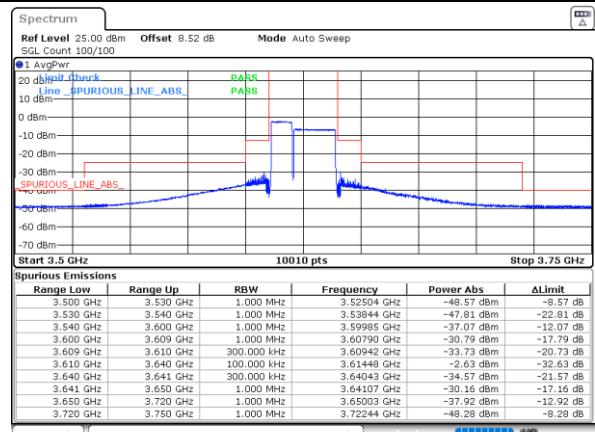
Date: 16.MAY.2023 21:07:38

## Lowest Band Edge / Full RB



Date: 17.MAY.2023 19:55:04

## Middle Band Edge / Full RB



Date: 16.MAY.2023 21:27:18

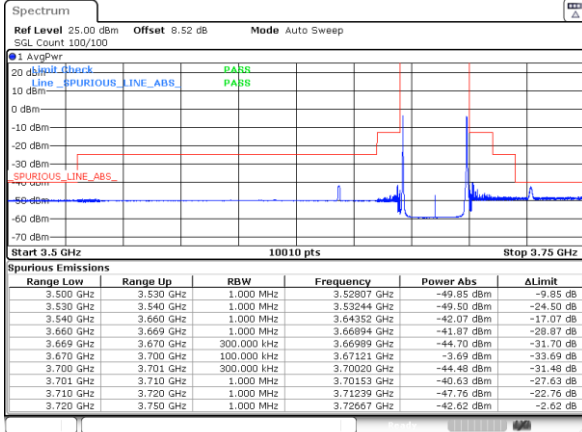


## LTE Band 48C / 10MHz+20MHz

## 256QAM

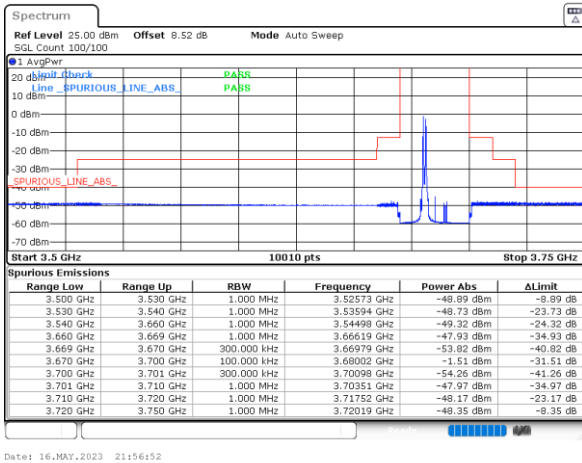
## Highest Band Edge / 1RB0 and 1RB99

N/A



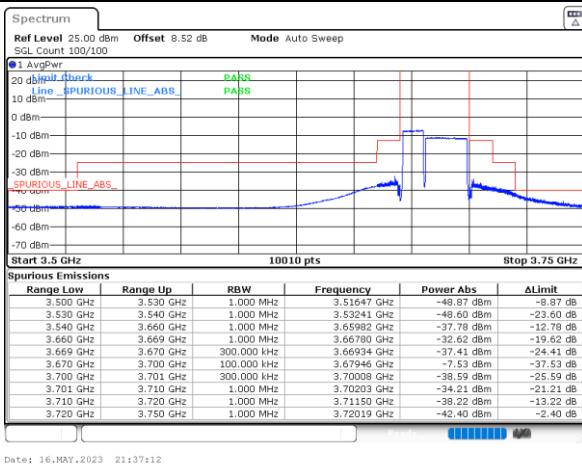
## Highest Band Edge / 1RB49 and 1RB0

N/A



## Highest Band Edge / Full RB

N/A

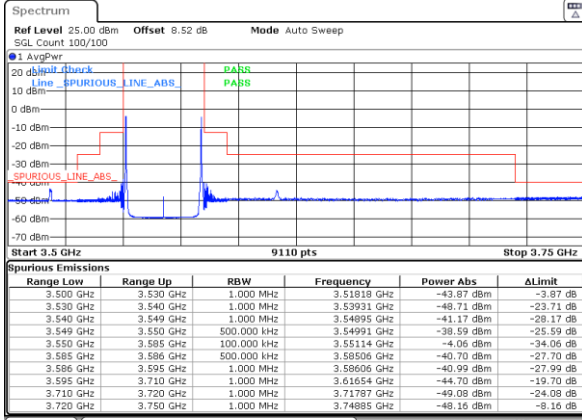




## LTE Band 48C / 15MHz+20MHz

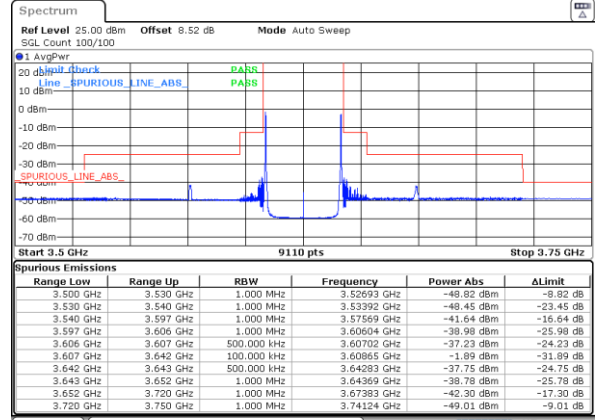
## 256QAM

## Lowest Band Edge / 1RB0 and 1RB99



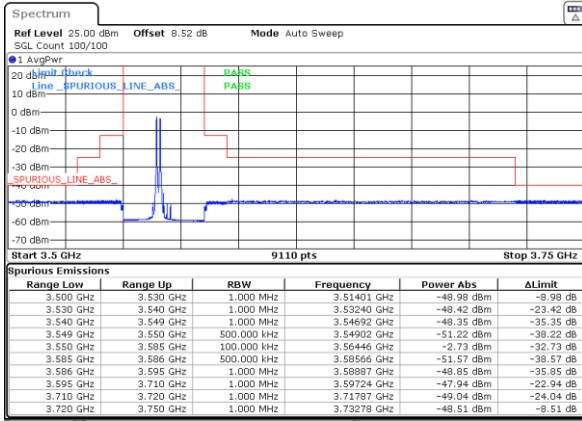
Date: 17.MAY.2023 20:34:26

## Middle Band Edge / 1RB0 and 1RB99



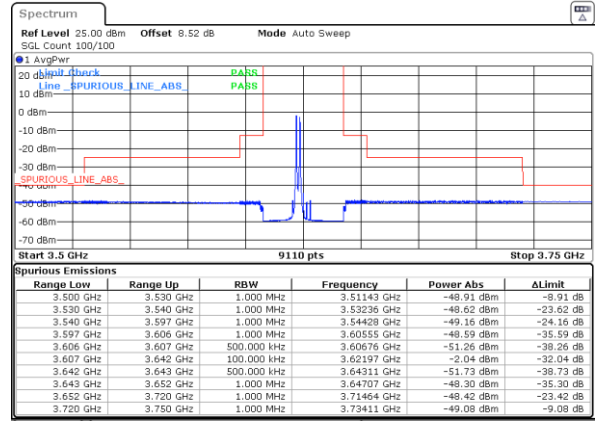
Date: 16.MAY.2023 22:48:33

## Lowest Band Edge / 1RB74 and 1RB0



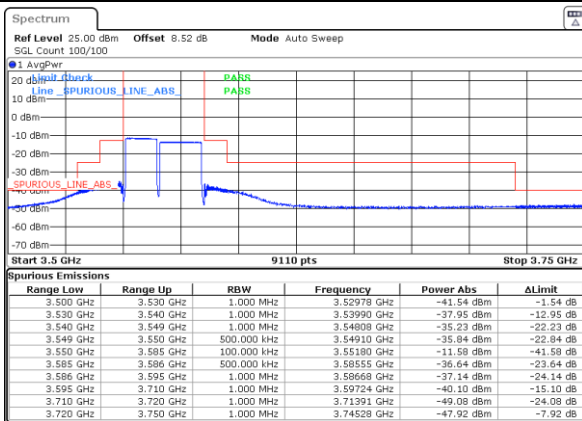
Date: 16.MAY.2023 22:08:48

## Middle Band Edge / 1RB74 and 1RB0



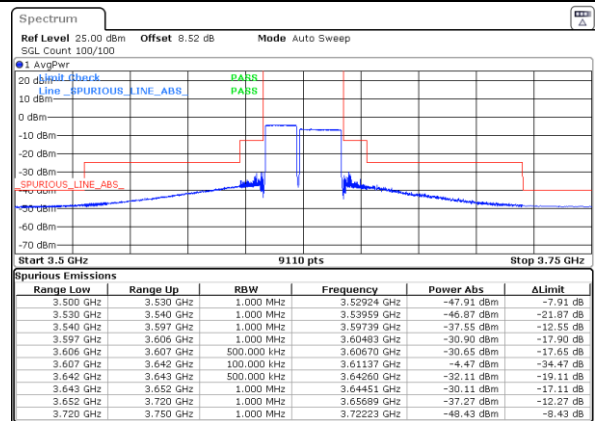
Date: 16.MAY.2023 22:58:28

## Lowest Band Edge / Full RB



Date: 17.MAY.2023 20:44:27

## Middle Band Edge / Full RB



Date: 16.MAY.2023 22:38:39

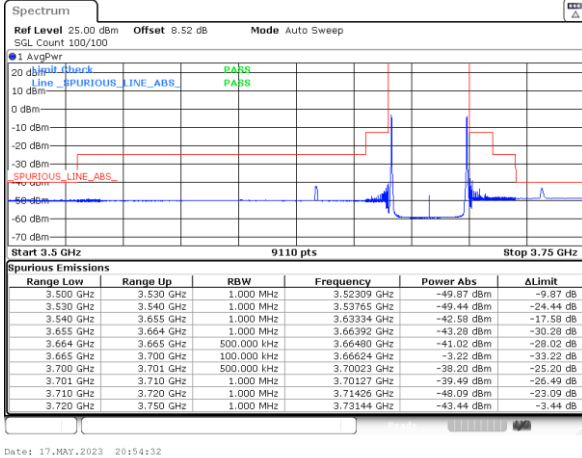


## LTE Band 48C / 15MHz+20MHz

## 256QAM

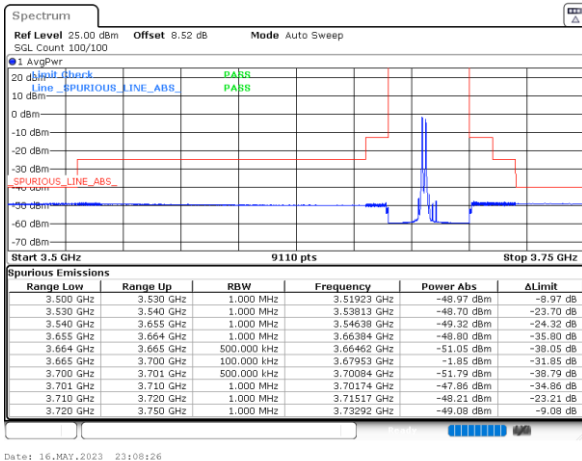
## Highest Band Edge / 1RB0 and 1RB99

N/A



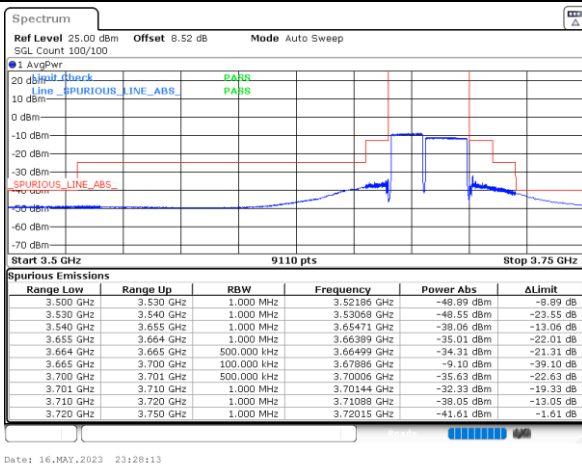
## Highest Band Edge / 1RB74 and 1RB0

N/A



## Highest Band Edge / Full RB

N/A

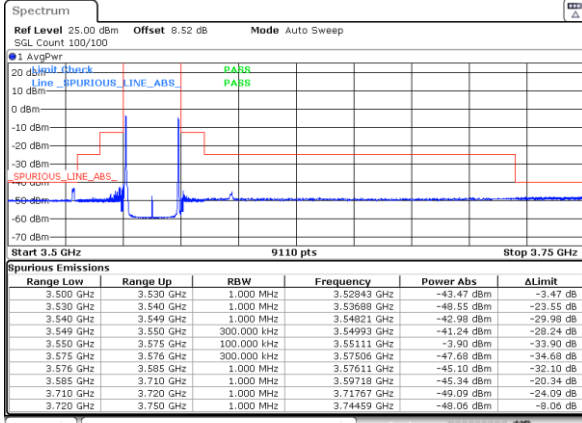




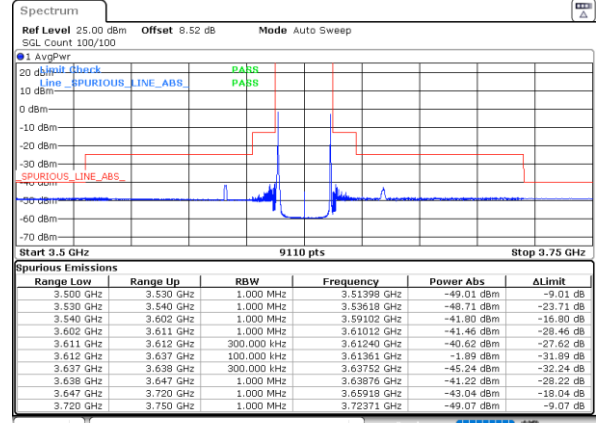
## LTE Band 48C/ 20MHz+5MHz

## 256QAM

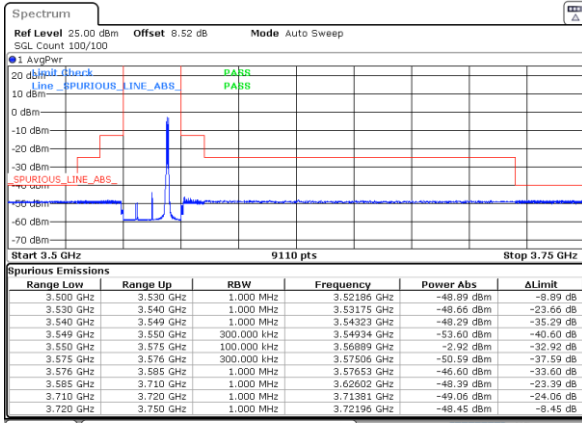
## Lowest Band Edge / 1RB0 and 1RB24



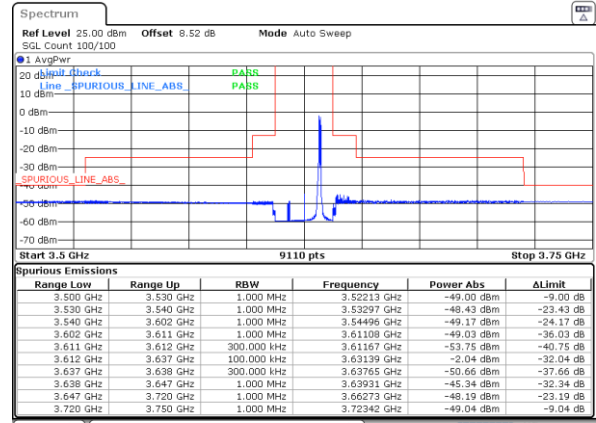
## Middle Band Edge / 1RB0 and 1RB24



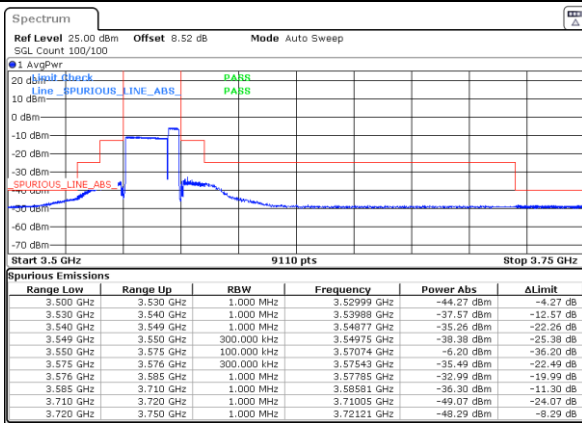
## Lowest Band Edge / 1RB99 and 1RB0



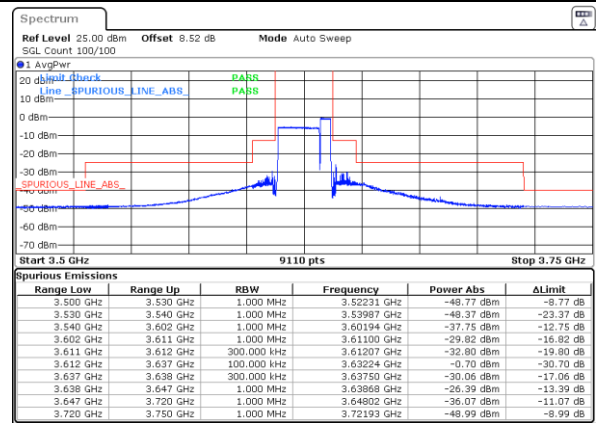
## Middle Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Middle Band Edge / Full RB



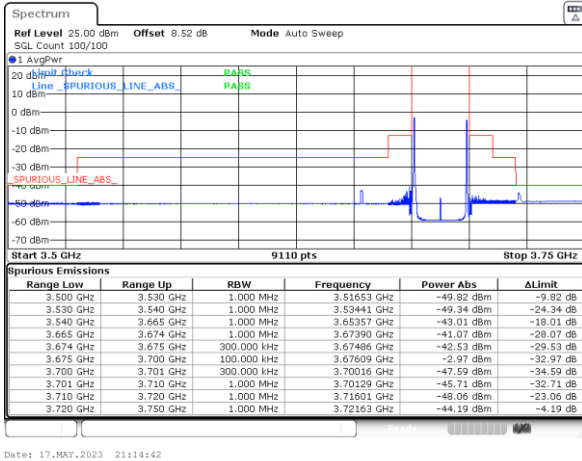


## LTE Band 48C / 20MHz+5MHz

## 256QAM

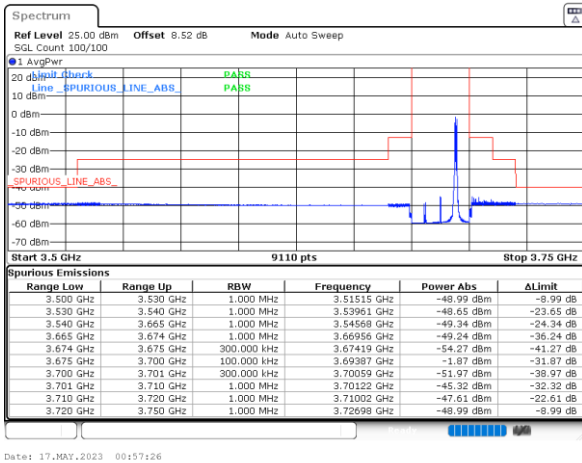
## Highest Band Edge / 1RB0 and 1RB24

N/A



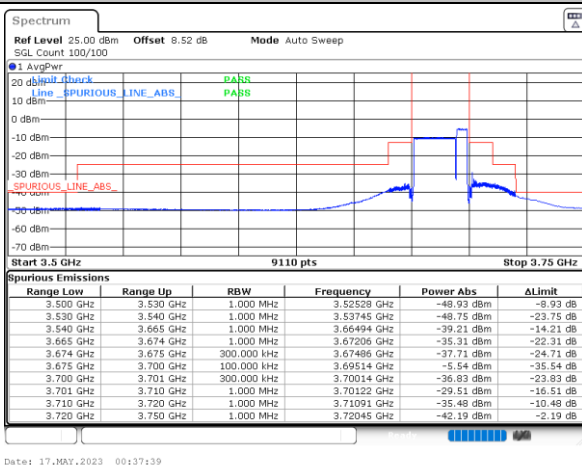
## Highest Band Edge / 1RB99 and 1RB0

N/A



## Highest Band Edge / Full RB

N/A

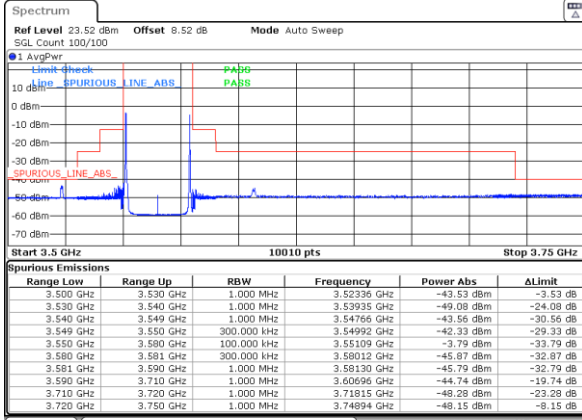




## LTE Band 48C / 20MHz+10MHz

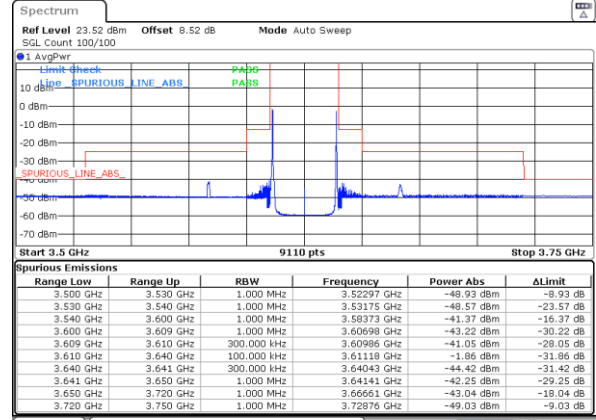
## 256QAM

## Lowest Band Edge / 1RB0 and 1RB49



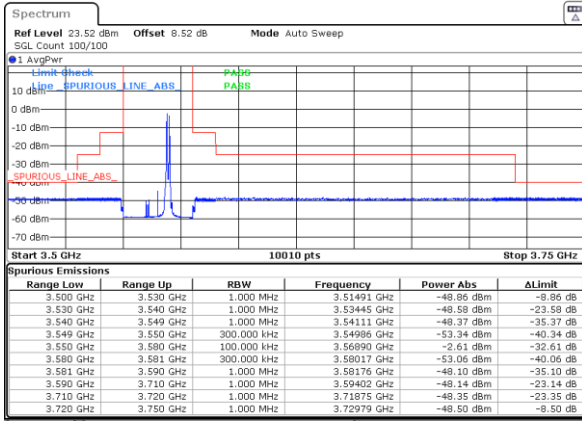
Date: 17.MAY.2023 21:24:46

## Middle Band Edge / 1RB0 and 1RB49



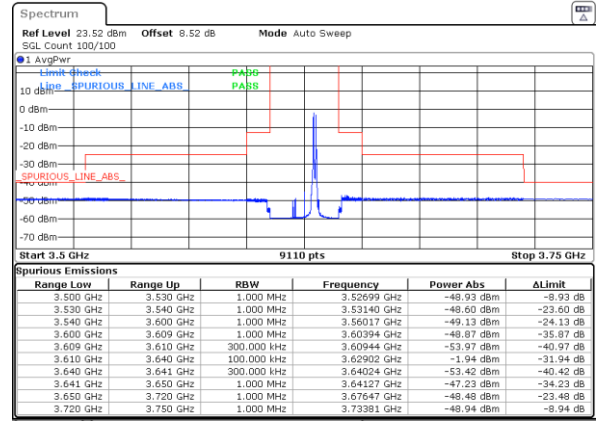
Date: 17.MAY.2023 01:47:00

## Lowest Band Edge / 1RB99 and 1RB0



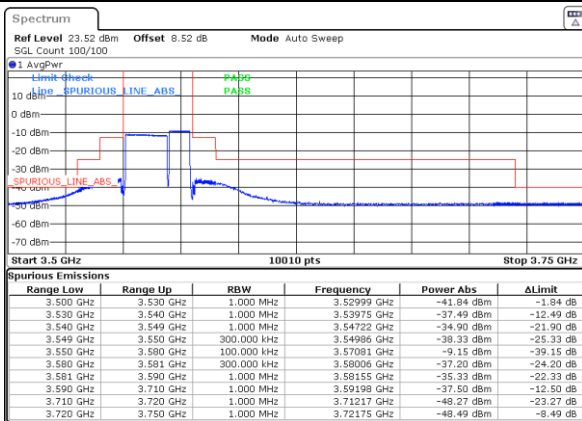
Date: 17.MAY.2023 01:27:10

## Middle Band Edge / 1RB99 and 1RB0



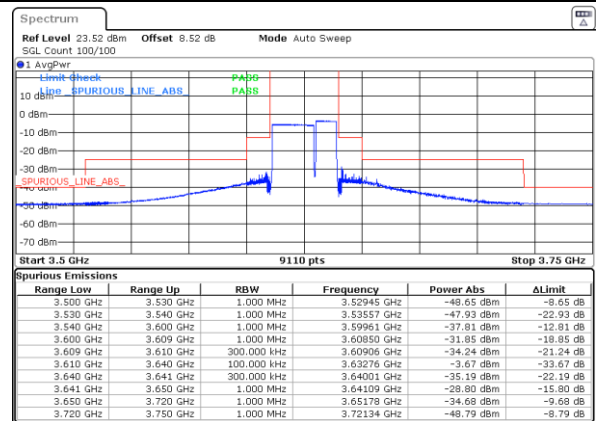
Date: 17.MAY.2023 01:56:58

## Lowest Band Edge / Full RB



Date: 17.MAY.2023 01:07:23

## Middle Band Edge / Full RB



Date: 17.MAY.2023 01:37:07

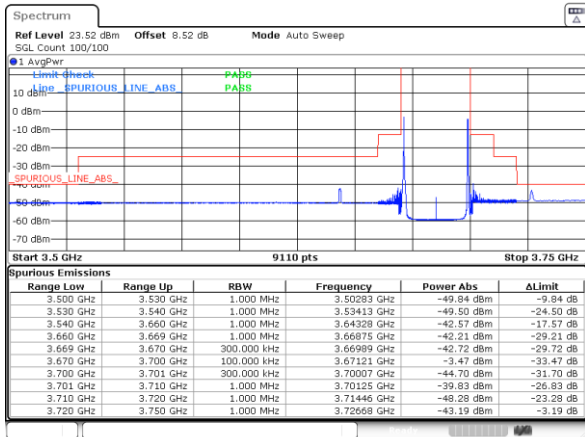


## LTE Band 48C / 20MHz+10MHz

## 256QAM

## Highest Band Edge / 1RB0 and 1RB49

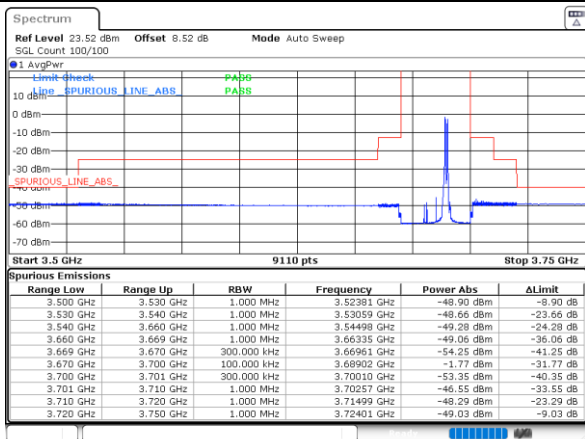
N/A



Date: 17.MAY.2023 21:34:49

## Highest Band Edge / 1RB99 and 1RB0

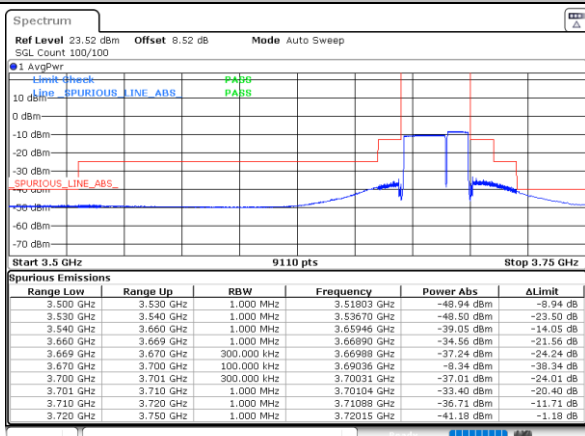
N/A



Date: 17.MAY.2023 02:26:45

## Highest Band Edge / Full RB

N/A



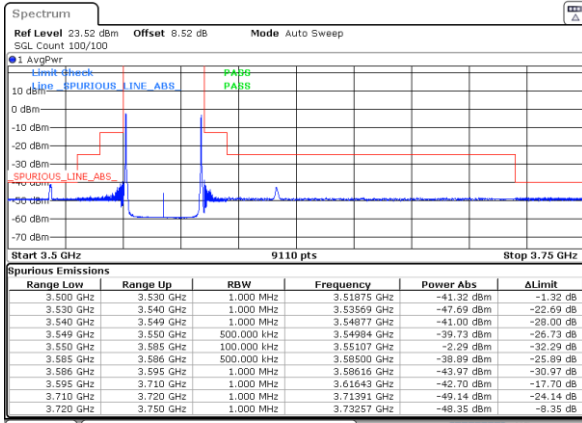
Date: 17.MAY.2023 02:06:56



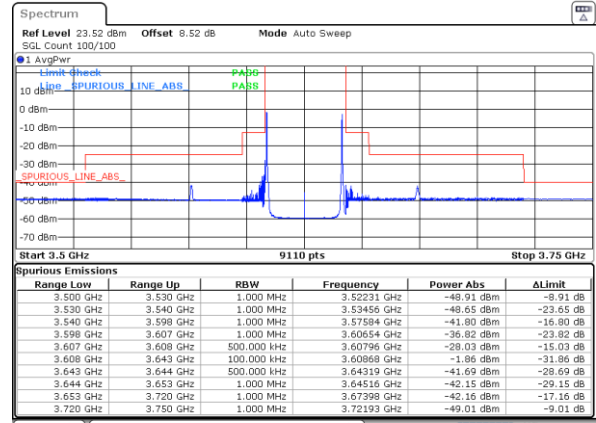
## LTE Band 48C / 20MHz+15MHz

## 256QAM

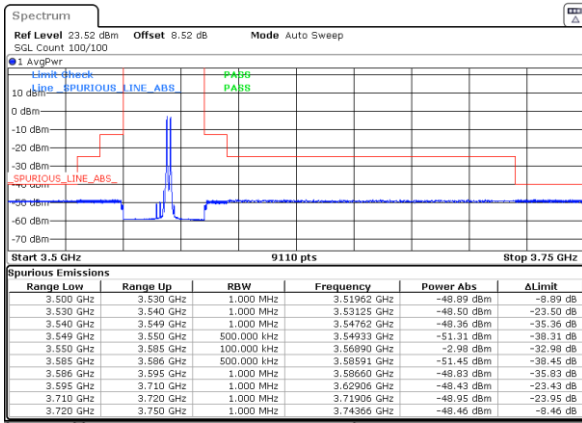
## Lowest Band Edge / 1RB0 and 1RB74



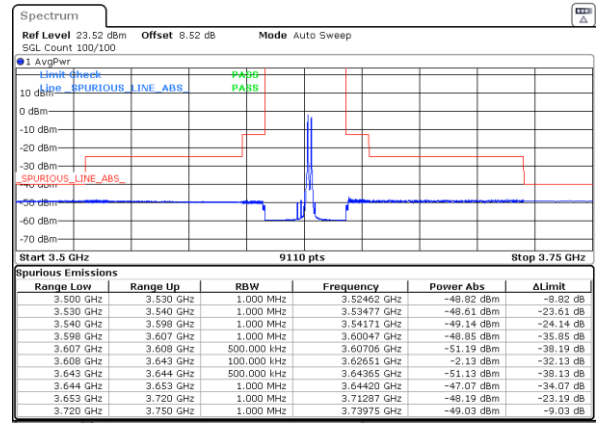
## Middle Band Edge / 1RB0 and 1RB74



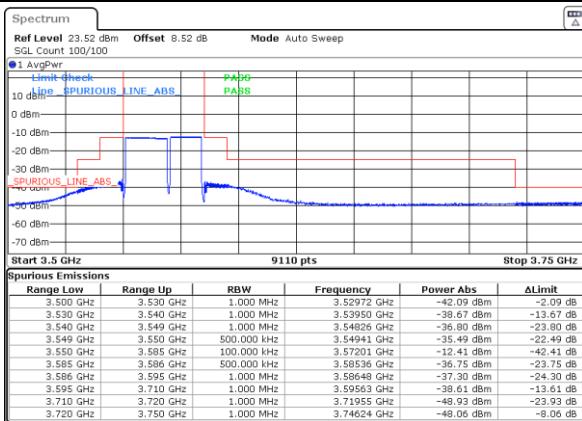
## Lowest Band Edge / 1RB99 and 1RB0



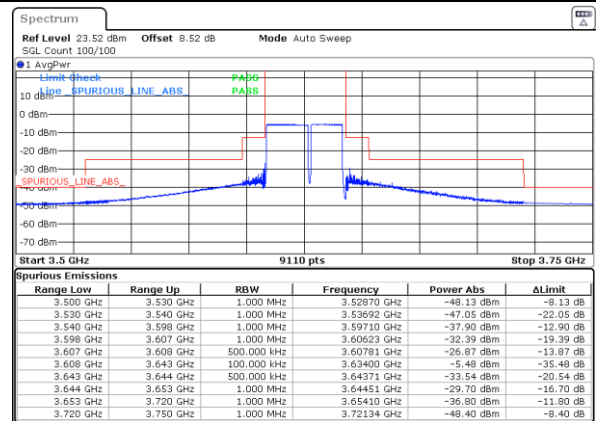
## Middle Band Edge / 1RB99 and 1RB0



## Lowest Band Edge / Full RB



## Middle Band Edge / Full RB



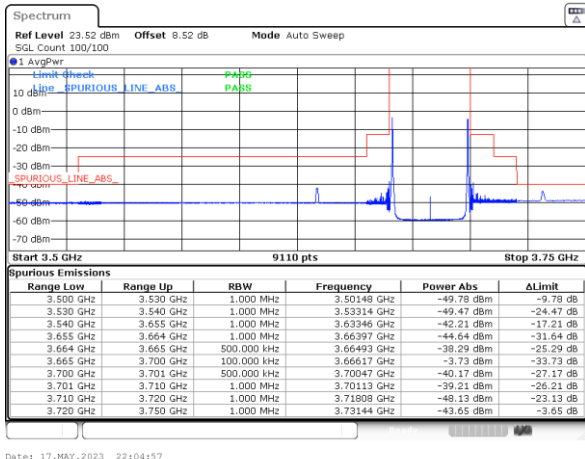


## LTE Band 48C / 20MHz+15MHz

## 256QAM

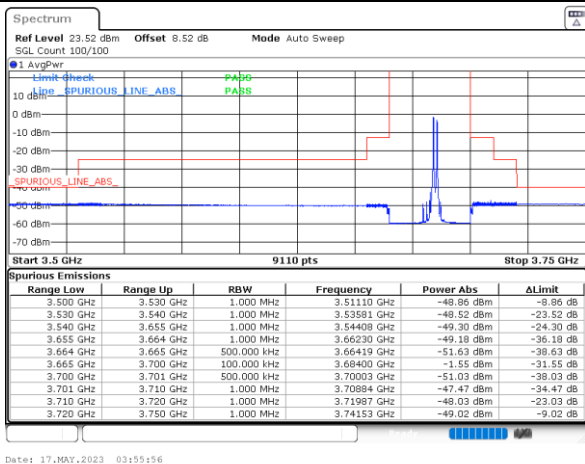
## Highest Band Edge / 1RB0 and 1RB74

N/A



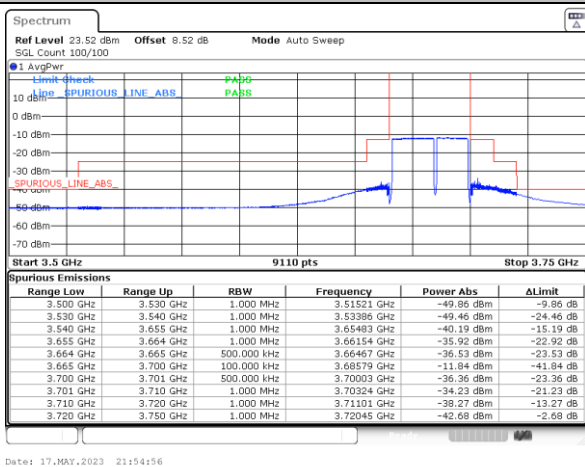
## Highest Band Edge / 1RB99 and 1RB0

N/A



## Highest Band Edge / FullIRB

N/A

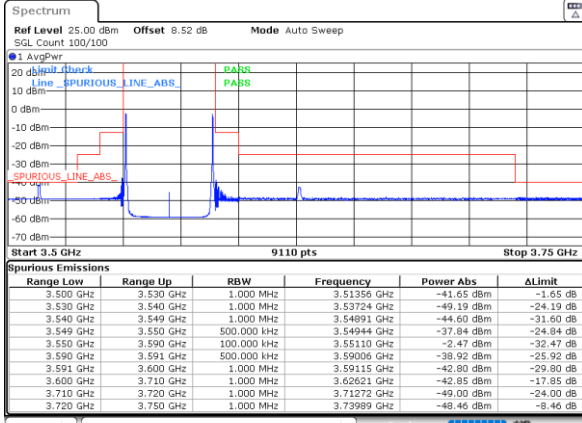




## LTE Band 48C / 20MHz+20MHz

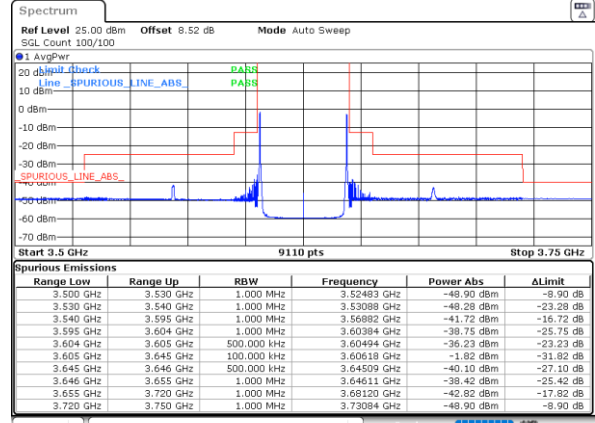
## 256QAM

## Lowest Band Edge / 1RB0 and 1RB99



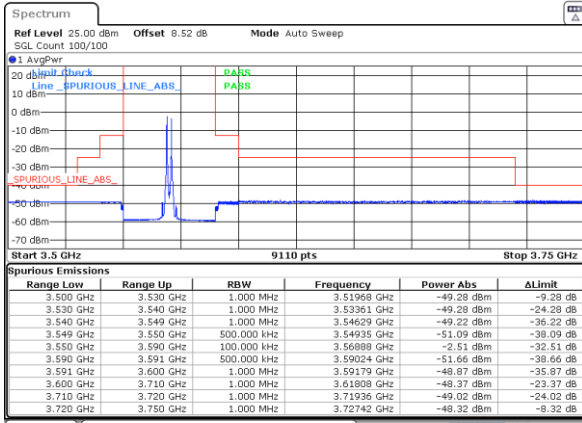
Date: 17.MAY.2023 04:15:47

## Middle Band Edge / 1RB0 and 1RB99



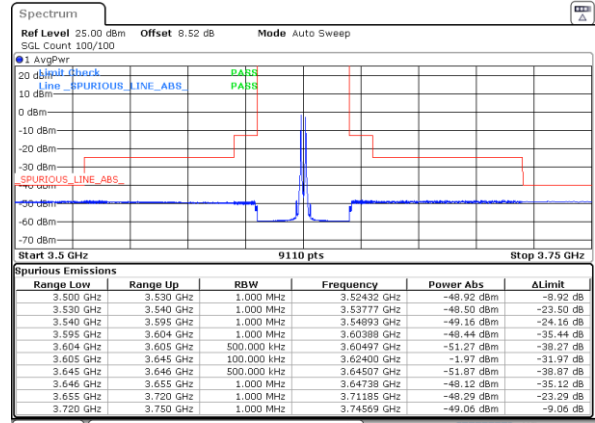
Date: 17.MAY.2023 05:06:01

## Lowest Band Edge / 1RB99 and 1RB0



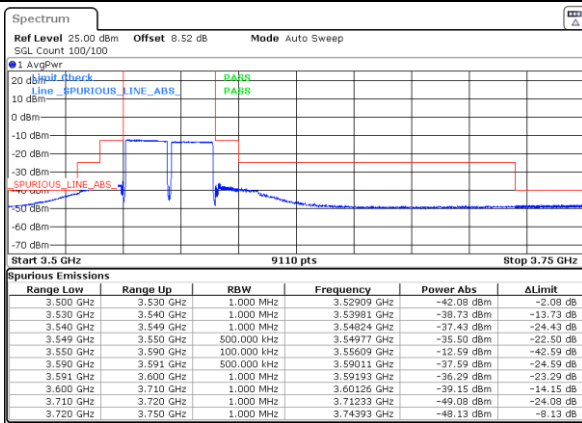
Date: 17.MAY.2023 04:46:12

## Middle Band Edge / 1RB99 and 1RB0



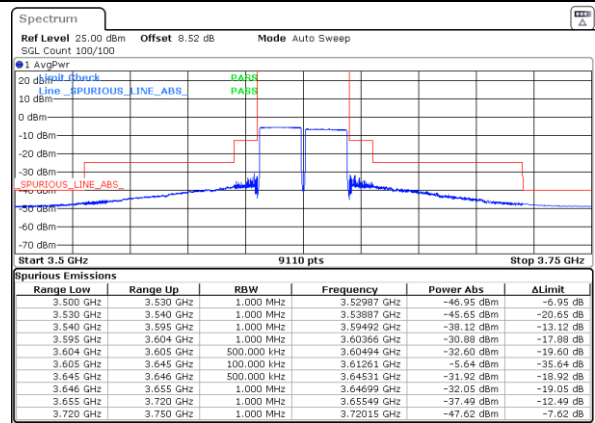
Date: 17.MAY.2023 04:56:07

## Lowest Band Edge / Full RB



Date: 17.MAY.2023 22:15:02

## Middle Band Edge / Full RB



Date: 17.MAY.2023 05:15:54

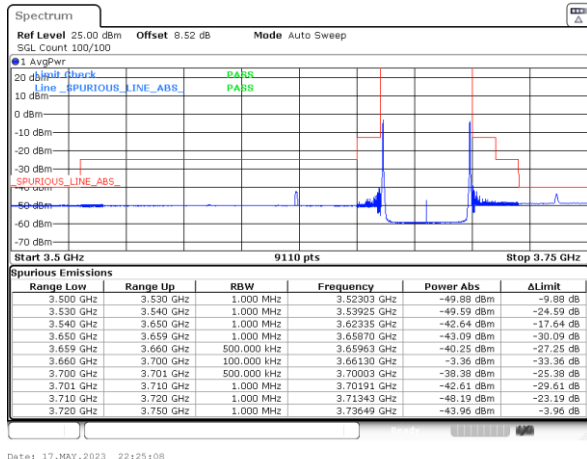


## LTE Band 48C / 20MHz+20MHz

## 256QAM

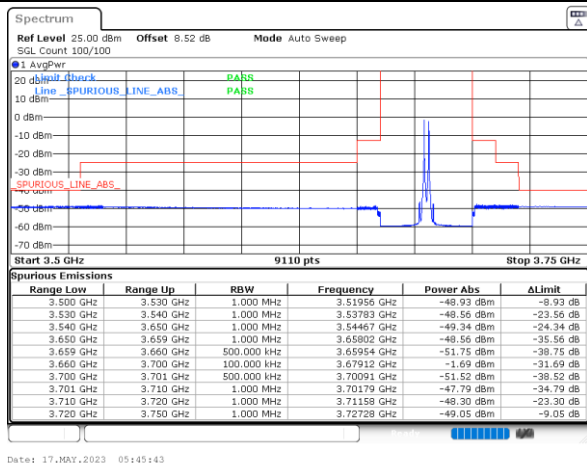
## Highest Band Edge / 1RB0 and 1RB99

N/A



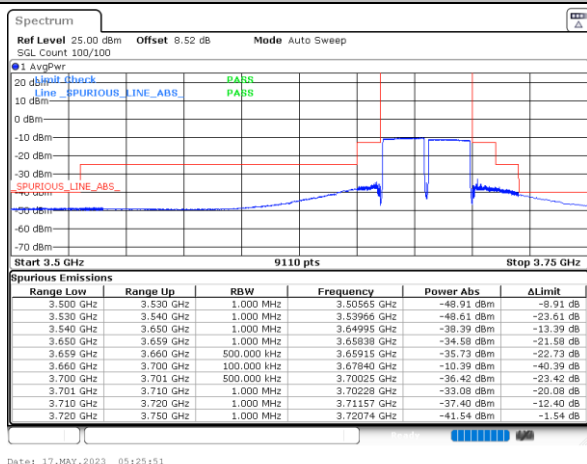
## Highest Band Edge / 1RB99 and 1RB0

N/A



## Highest Band Edge / Full RB

N/A





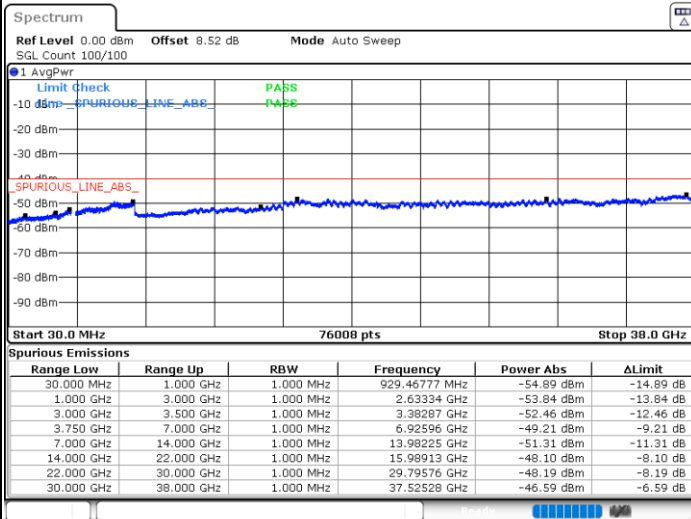
## Conducted Spurious Emission

### LTE Band 48C / 5MHz+20MHz

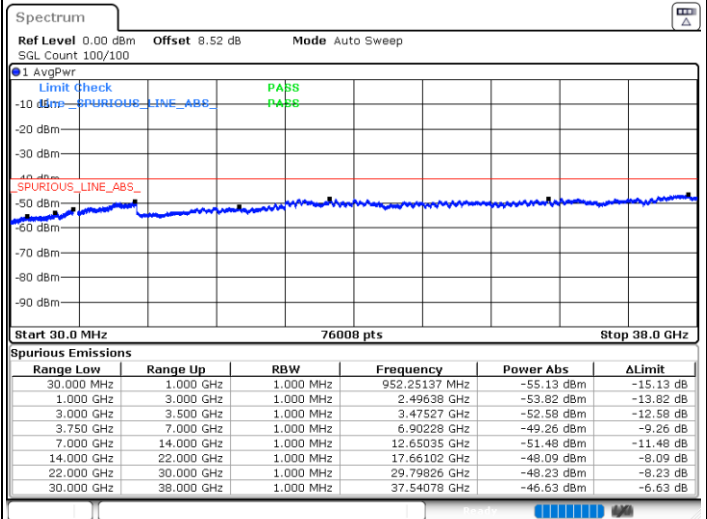
#### QPSK

##### Lowest Channel / 1RB24 and 1RB0

##### Middle Channel / 1RB24 and 1RB0

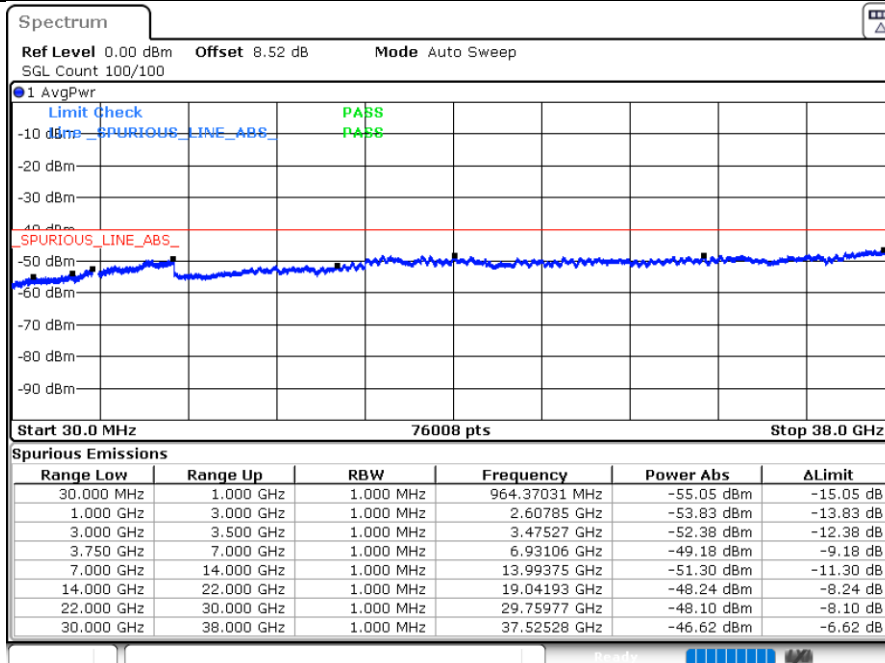


Date: 19.MAY.2023 12:30:39



Date: 19.MAY.2023 12:28:34

##### Highest Channel / 1RB24 and 1RB0



Date: 19.MAY.2023 12:32:33

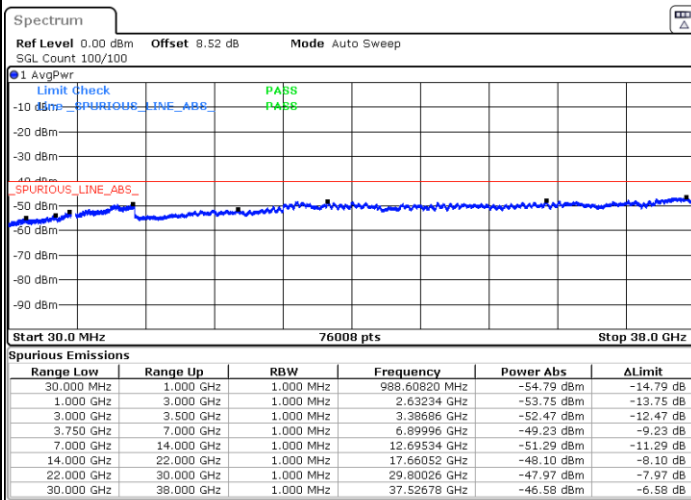


## LTE Band 48C / 10MHz+20MHz

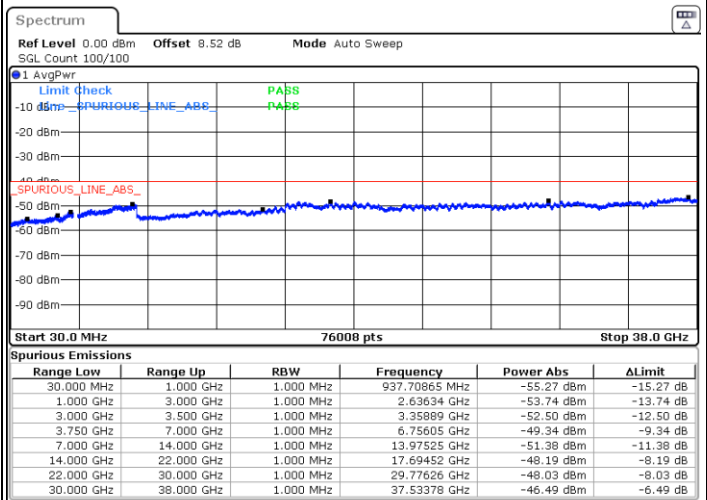
## QPSK

## Lowest Channel / 1RB49 and 1RB0

## Middle Channel / 1RB49 and 1RB0

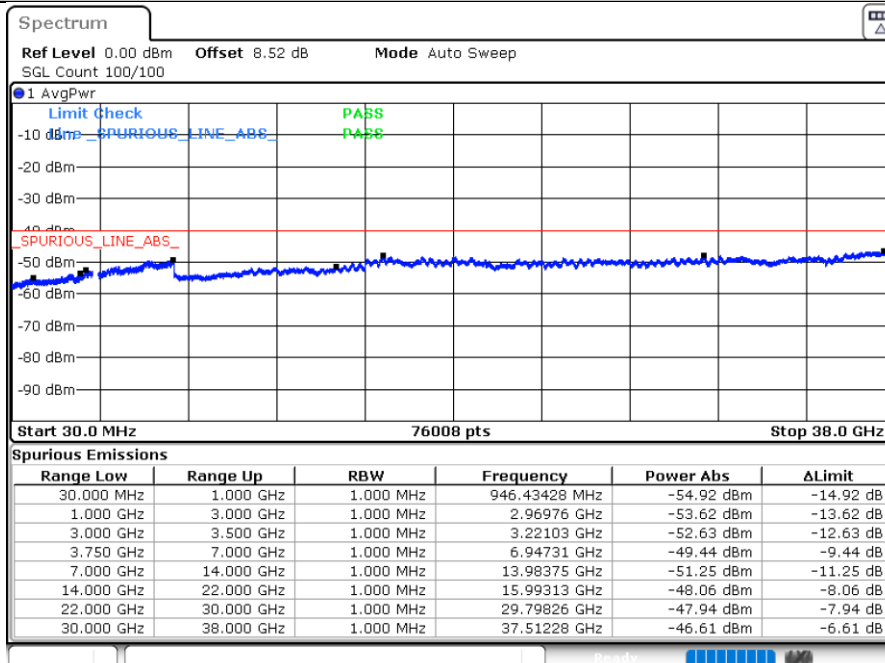


Date: 19.MAY.2023 12:37:02



Date: 19.MAY.2023 12:35:04

## Highest Channel / 1RB49 and 1RB0



Date: 19.MAY.2023 12:38:52

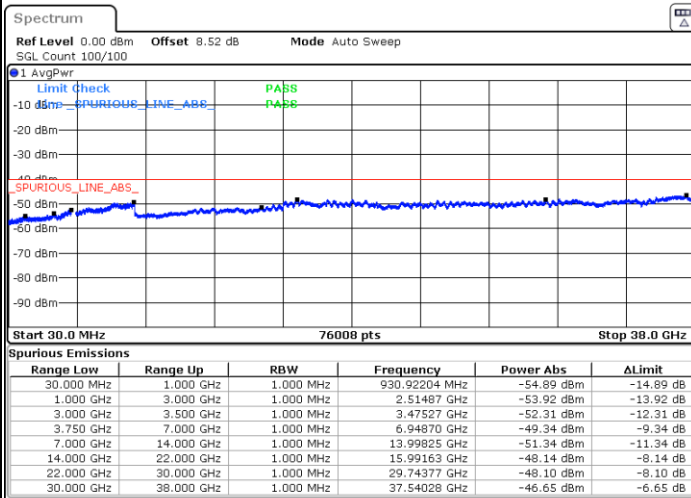


## LTE Band 48C / 15MHz+20MHz

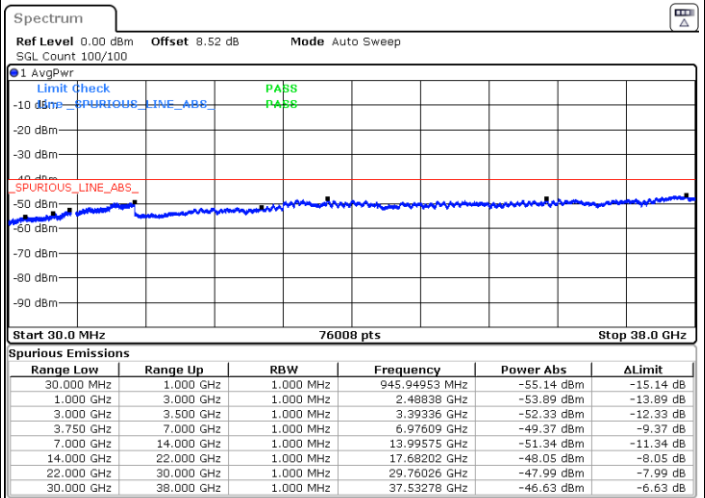
## QPSK

## Lowest Channel / 1RB74 and 1RB0

## Middle Channel / 1RB74 and 1RB0

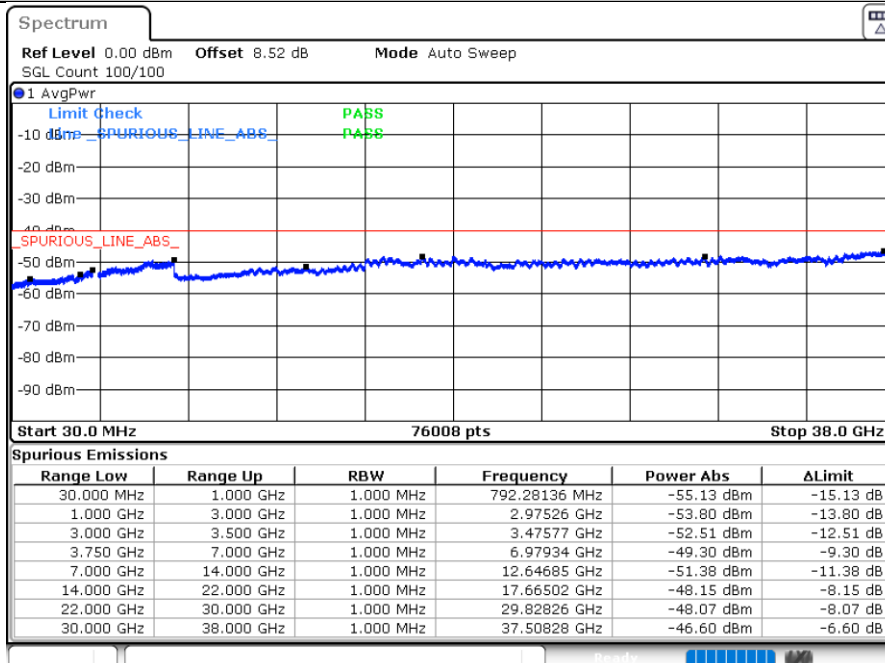


Date: 19.MAY.2023 12:42:45



Date: 19.MAY.2023 12:40:54

## Highest Channel / 1RB74 and 1RB0



Date: 19.MAY.2023 12:44:26

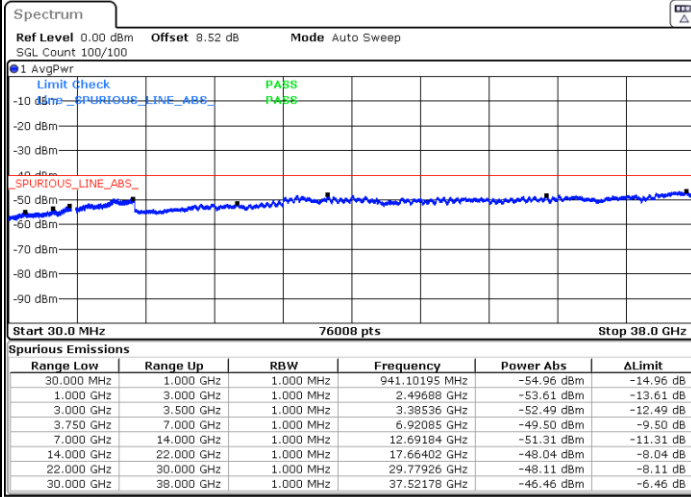


## LTE Band 48C / 20MHz+5MHz

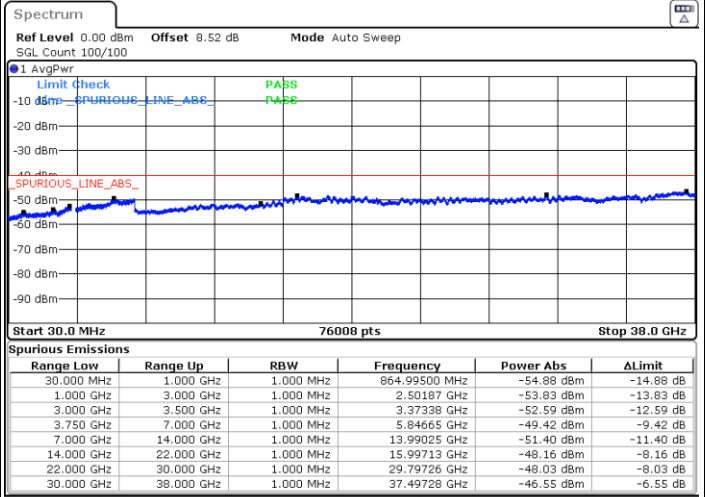
## QPSK

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0

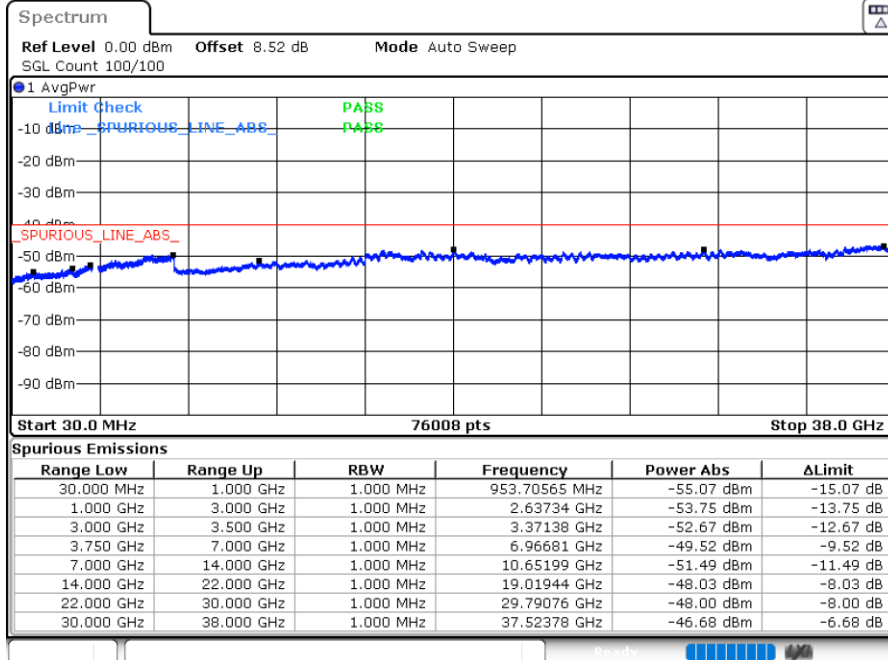


Date: 19.MAY.2023 12:46:20



Date: 19.MAY.2023 12:47:56

## Highest Channel / 1RB99 and 1RB0



Date: 19.MAY.2023 12:49:31

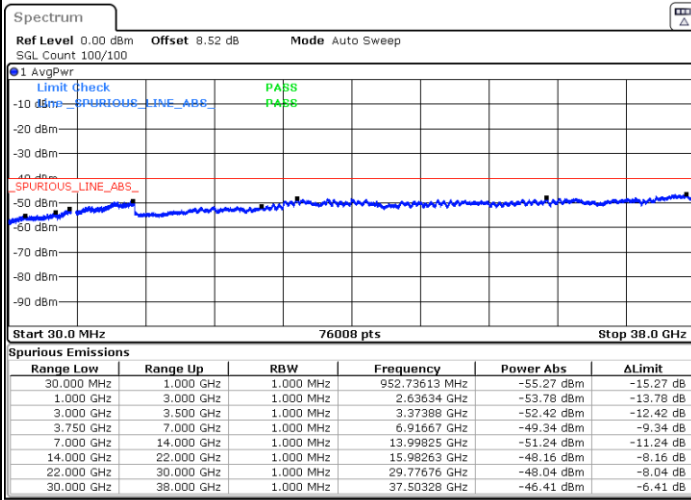


## LTE Band 48C / 20MHz+10MHz

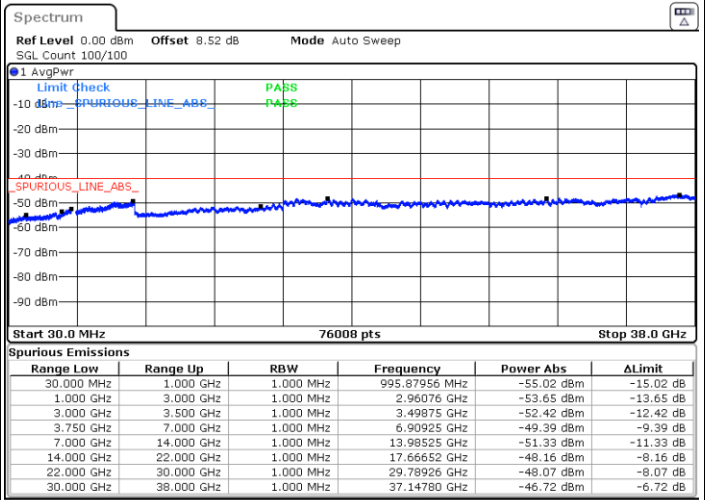
## QPSK

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0

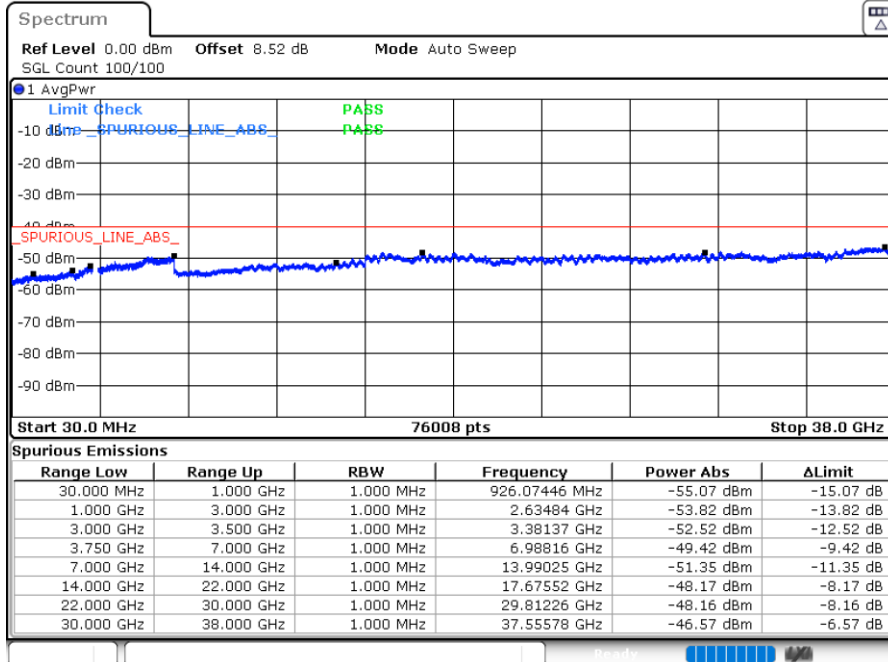


Date: 19.MAY.2023 12:51:07



Date: 19.MAY.2023 12:52:42

## Highest Channel / 1RB99 and 1RB0



Date: 19.MAY.2023 12:54:17

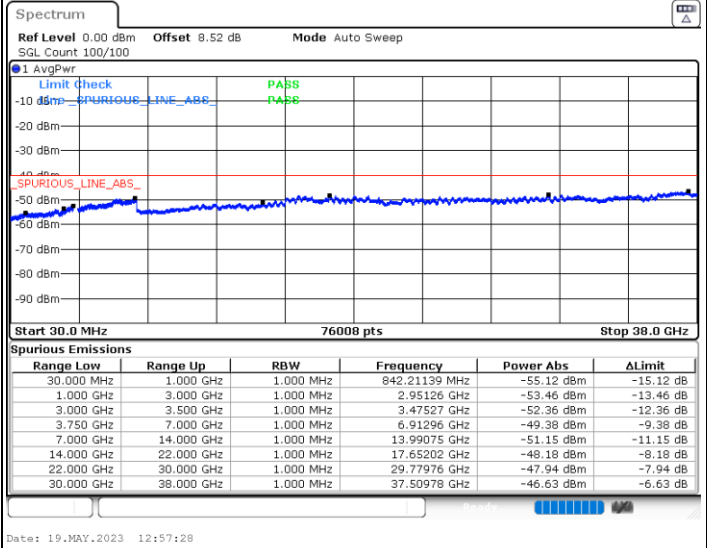
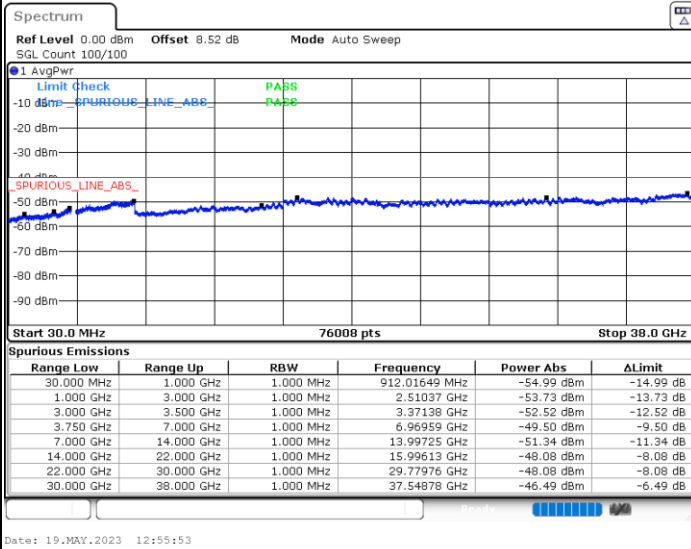


## LTE Band 48C / 20MHz+15MHz

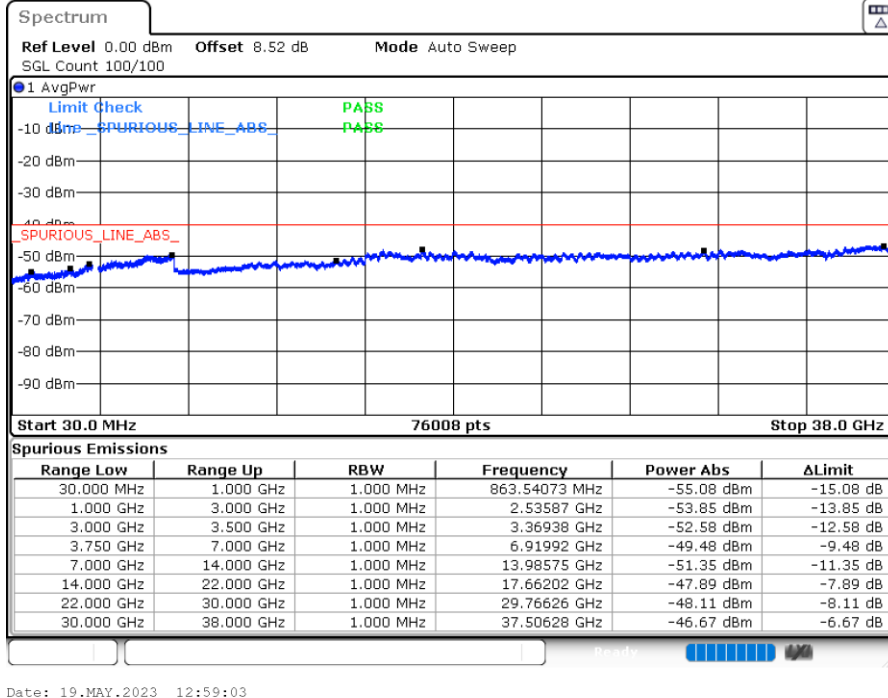
## QPSK

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



## Highest Channel / 1RB99 and 1RB0



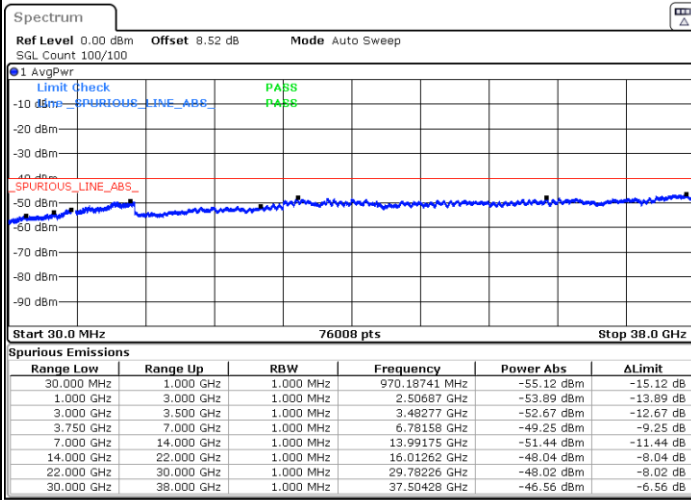


## LTE Band 48C / 20MHz+20MHz

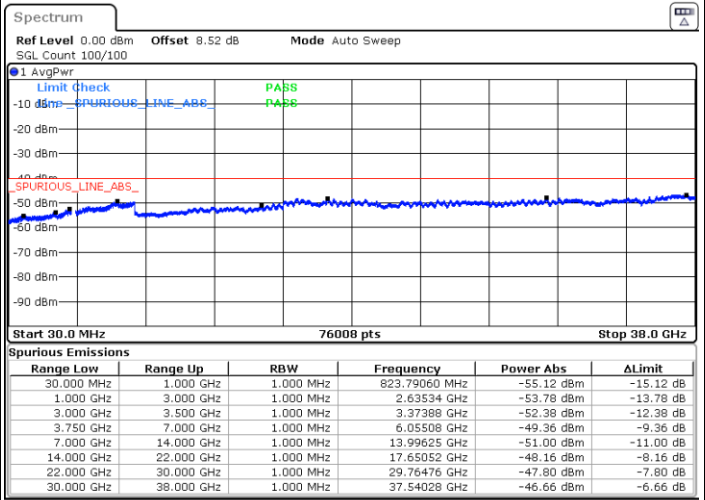
## QPSK

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0

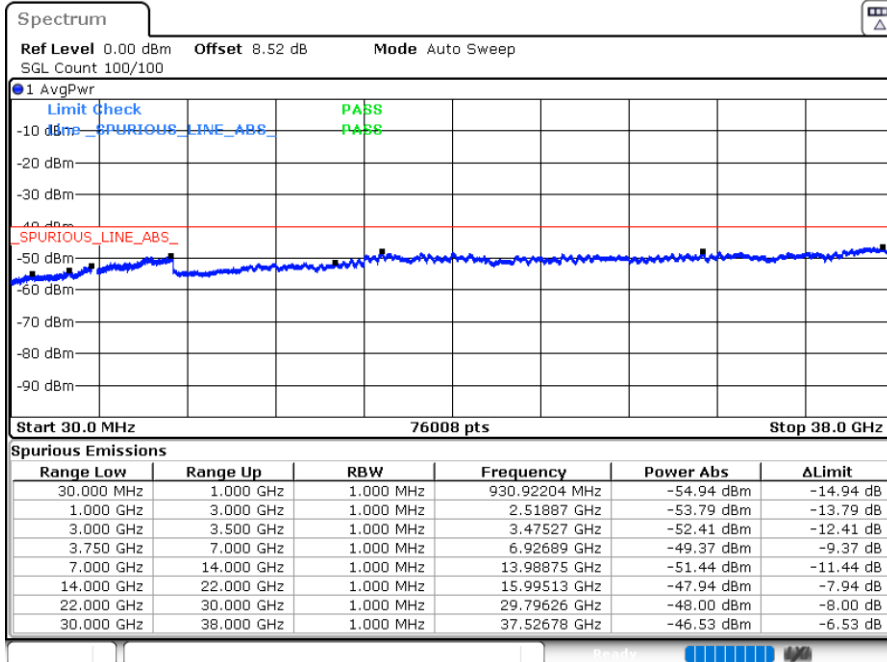


Date: 19.MAY.2023 13:00:38



Date: 19.MAY.2023 13:02:13

## Highest Channel / 1RB99 and 1RB0



Date: 19.MAY.2023 13:03:49

## Frequency Stability

| Test Conditions  |                 | LTE Band 48C (QPSK) / Middle Channel | Limit   |
|------------------|-----------------|--------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)  | BW 20+20MHz                          | Note 2. |
|                  |                 | Deviation (ppm)                      | Result  |
| 50               | Normal Voltage  | 0.0214                               | PASS    |
| 40               | Normal Voltage  | 0.0192                               |         |
| 30               | Normal Voltage  | 0.0026                               |         |
| 20(Ref.)         | Normal Voltage  | 0.0000                               |         |
| 10               | Normal Voltage  | 0.0208                               |         |
| 0                | Normal Voltage  | 0.0143                               |         |
| -10              | Normal Voltage  | 0.0127                               |         |
| -20              | Normal Voltage  | 0.0136                               |         |
| -30              | Normal Voltage  | 0.0328                               |         |
| 20               | Maximum Voltage | 0.0027                               |         |
| 20               | Normal Voltage  | 0.0058                               |         |
| 20               | Minimum Voltage | 0.0018                               |         |

**Note:**

1. Normal Voltage =24 V. ; Minimum Voltage =20 V. ; Maximum Voltage =28 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 : | Herry Li | Temperature :       | 23~25°C |
|                 |          | Relative Humidity : | 41~42%  |

| LTE Band 48 / 20MHz / QPSK (Ant. 0) |                   |              |               |                   |                    |                      |                       |                    |
|-------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle                              | 7230              | -62.04       | -40           | -22.04            | -73.50             | 2.84                 | 14.30                 | H                  |
|                                     | 10848             | -60.27       | -40           | -20.27            | -70.21             | 3.49                 | 13.43                 | H                  |
|                                     | 14466             | -59.40       | -40           | -19.40            | -69.64             | 3.85                 | 14.09                 | H                  |
|                                     | 7230              | -56.22       | -40           | -16.22            | -67.68             | 2.84                 | 14.30                 | V                  |
|                                     | 10848             | -59.84       | -40           | -19.84            | -69.78             | 3.49                 | 13.43                 | V                  |
|                                     | 14466             | -58.88       | -40           | -18.88            | -69.12             | 3.85                 | 14.09                 | V                  |

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

| LTE Band 48C_CA / 20MHz+20MHz / QPSK for 1RB0 (Ant. 0) |                   |              |               |                   |                    |                      |                       |                    |
|--------------------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle                                                 | 7176              | -63.32       | -40           | -23.32            | -74.78             | 2.84                 | 14.30                 | H                  |
|                                                        | 10773             | -61.33       | -40           | -21.33            | -71.27             | 3.49                 | 13.43                 | H                  |
|                                                        | 14364             | -60.48       | -40           | -20.48            | -70.72             | 3.85                 | 14.09                 | H                  |
|                                                        | 7182              | -59.53       | -40           | -19.53            | -70.99             | 2.84                 | 14.30                 | V                  |
|                                                        | 10773             | -61.34       | -40           | -21.34            | -71.28             | 3.49                 | 13.43                 | V                  |
|                                                        | 14364             | -60.22       | -40           | -20.22            | -70.46             | 3.85                 | 14.09                 | V                  |

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

| LTE Band 48C_CA / 20MHz+20MHz / QPSK for 1RBmax (Ant. 0) |                   |              |               |                   |                    |                      |                       |                    |
|----------------------------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle                                                   | 7218              | -62.94       | -40           | -22.94            | -74.40             | 2.84                 | 14.30                 | H                  |
|                                                          | 10827             | -60.92       | -40           | -20.92            | -70.86             | 3.49                 | 13.43                 | H                  |
|                                                          | 14436             | -59.59       | -40           | -19.59            | -69.83             | 3.85                 | 14.09                 | H                  |
|                                                          | 7218              | -62.92       | -40           | -22.92            | -74.38             | 2.84                 | 14.30                 | V                  |
|                                                          | 10827             | -60.71       | -40           | -20.71            | -70.65             | 3.49                 | 13.43                 | V                  |
|                                                          | 14436             | -59.71       | -40           | -19.71            | -69.95             | 3.85                 | 14.09                 | V                  |

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