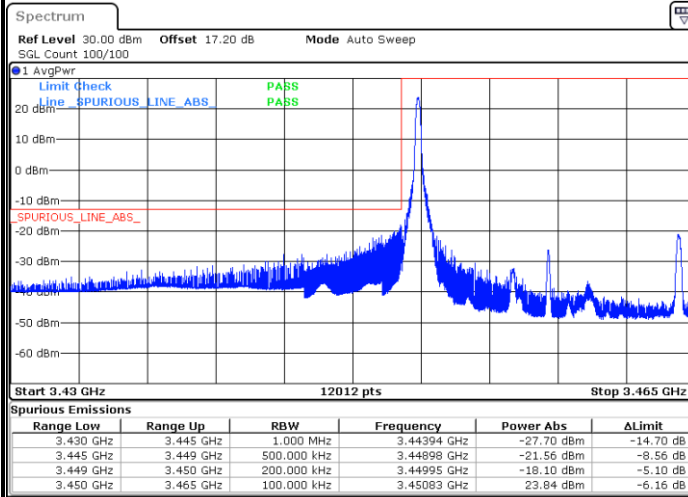


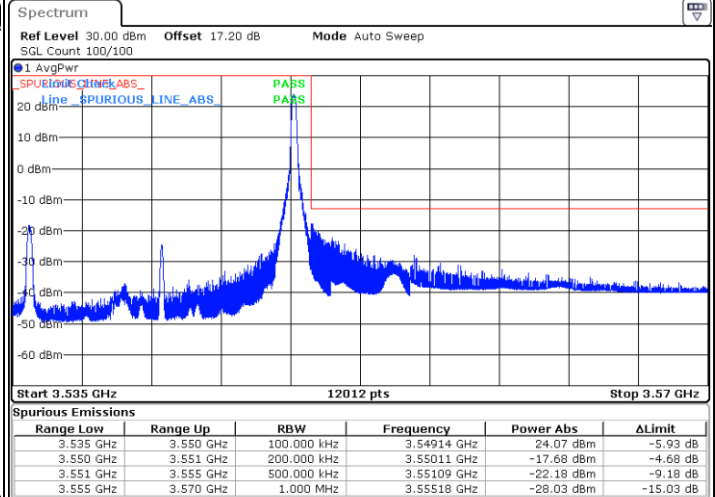


## LTE Band 42 / 15MHz / QPSK

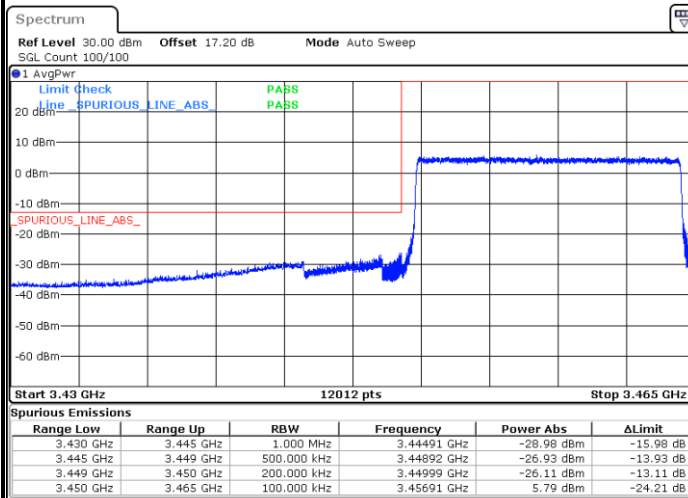
## Lowest Band Edge / 1 RB



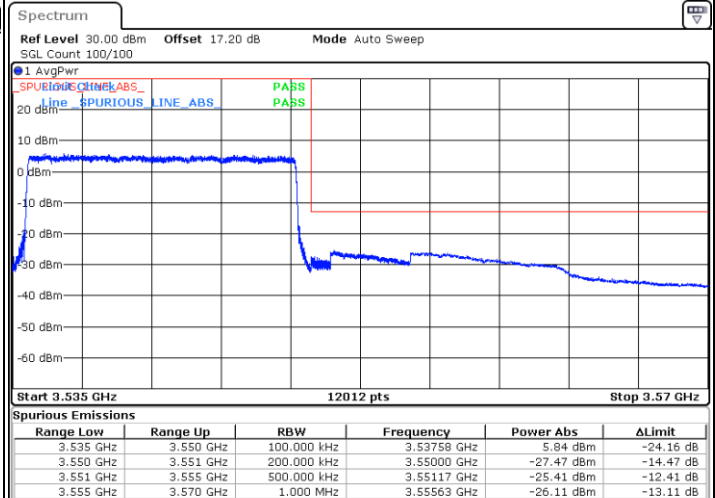
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



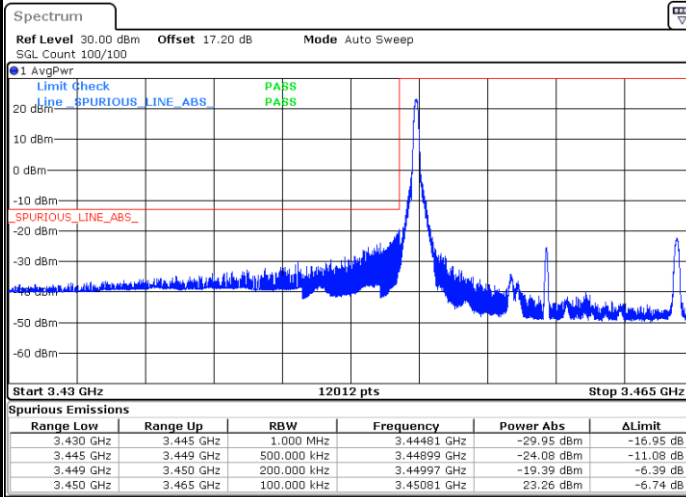
## Highest Band Edge / Full RB



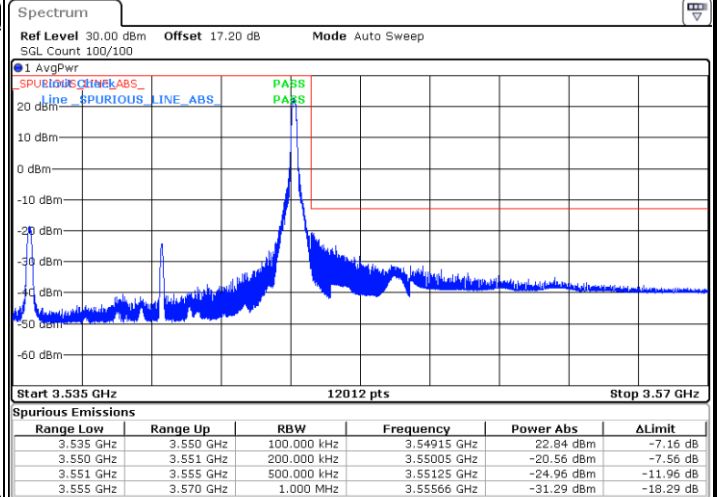


## LTE Band 42 / 15MHz / 16QAM

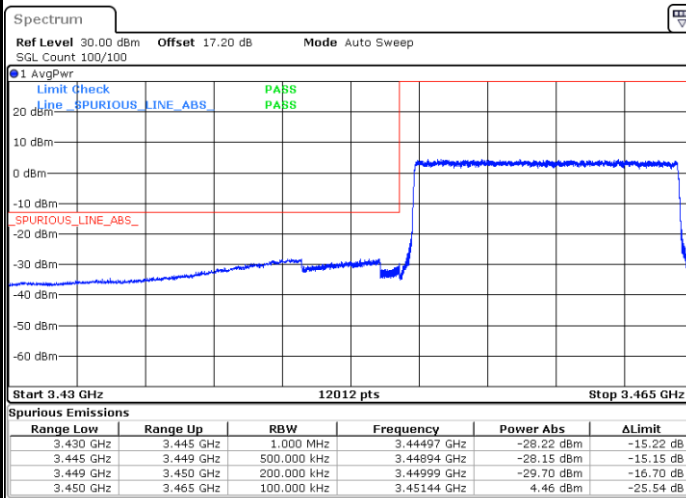
## Lowest Band Edge / 1 RB



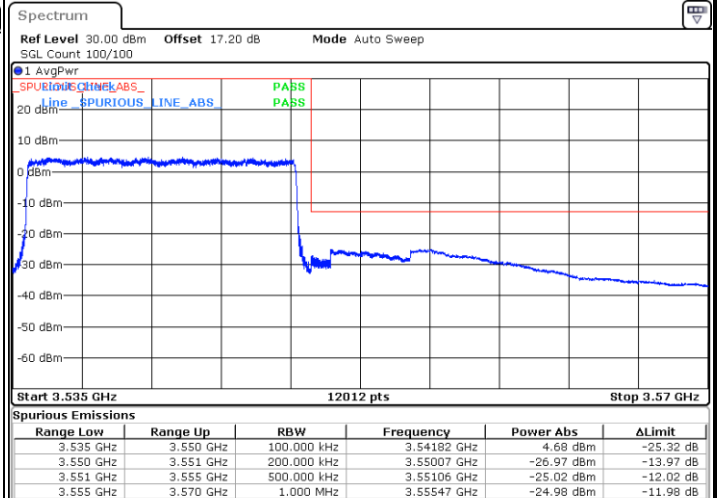
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



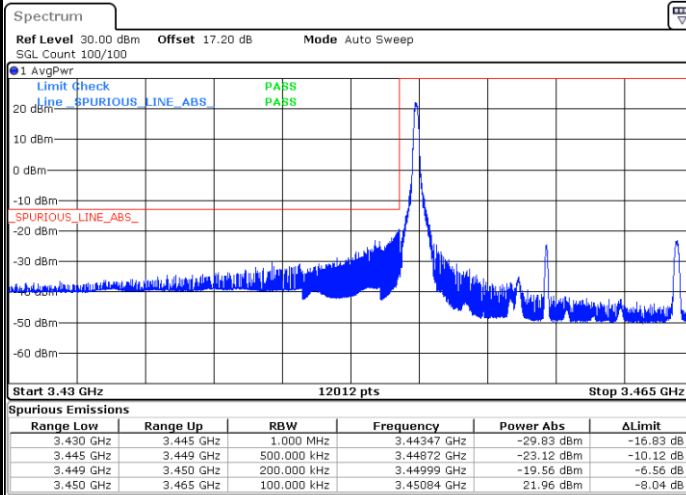
## Highest Band Edge / Full RB



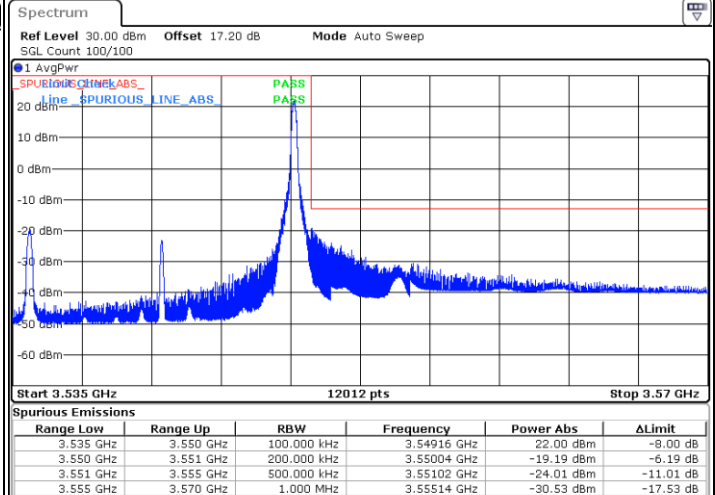


## LTE Band 42 / 15MHz / 64QAM

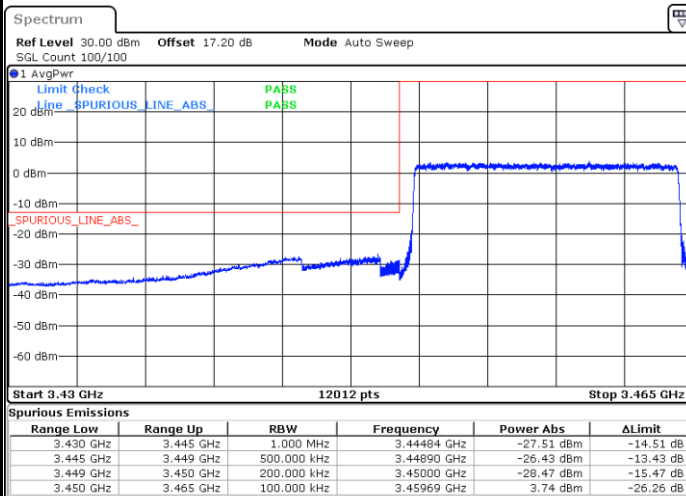
## Lowest Band Edge / 1 RB



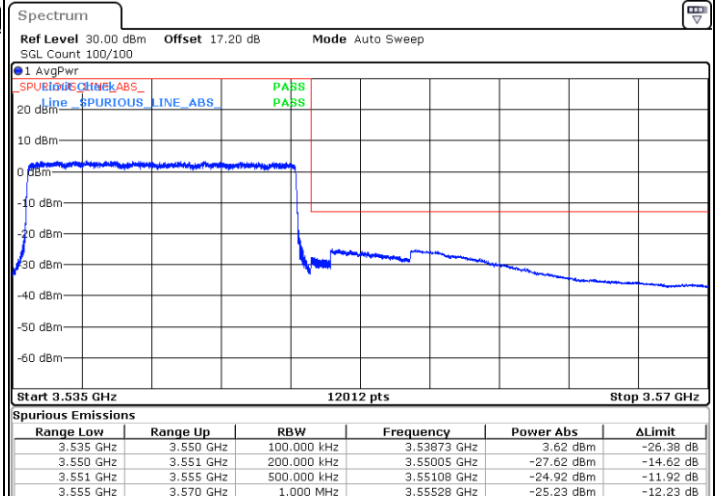
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



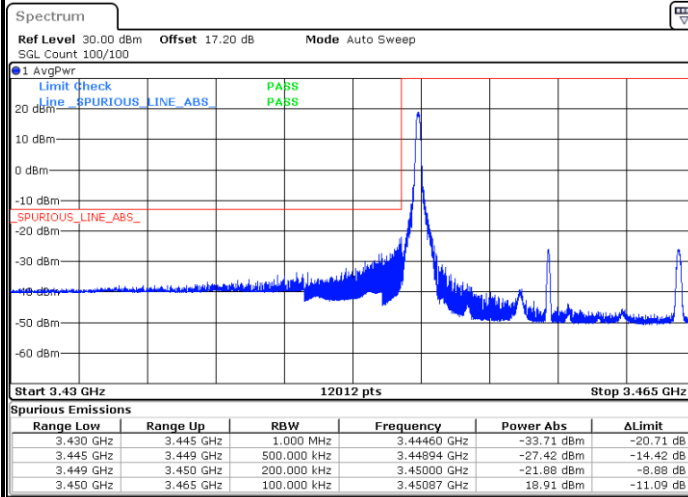
## Highest Band Edge / Full RB





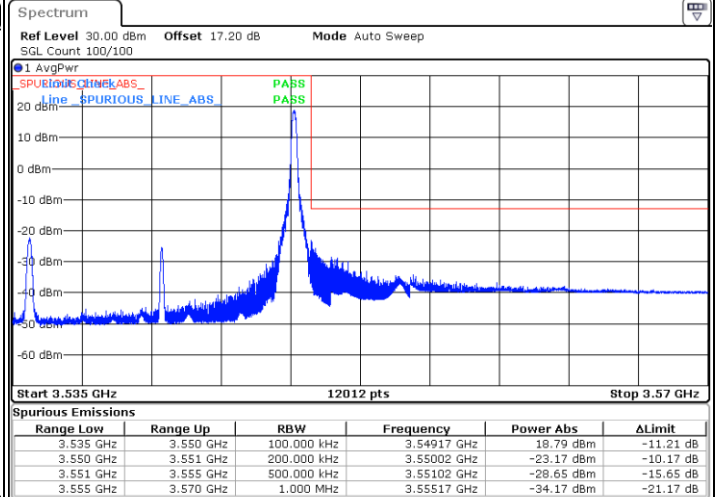
## LTE Band 42 / 15MHz / 256QAM

## Lowest Band Edge / 1 RB



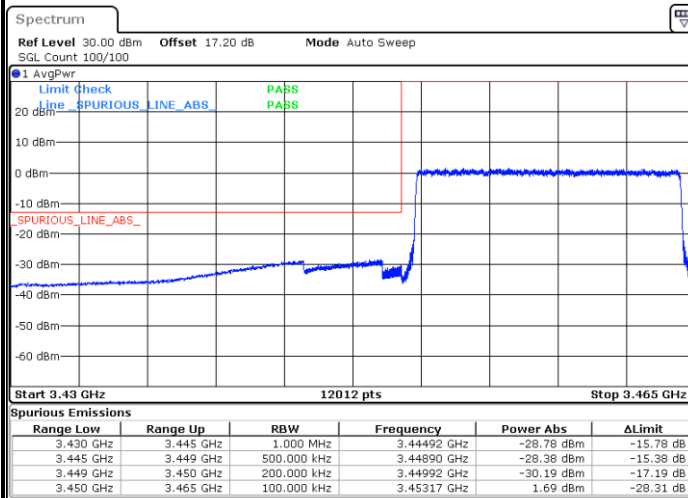
Date: 28.SEP.2022 12:01:20

## Highest Band Edge / 1 RB



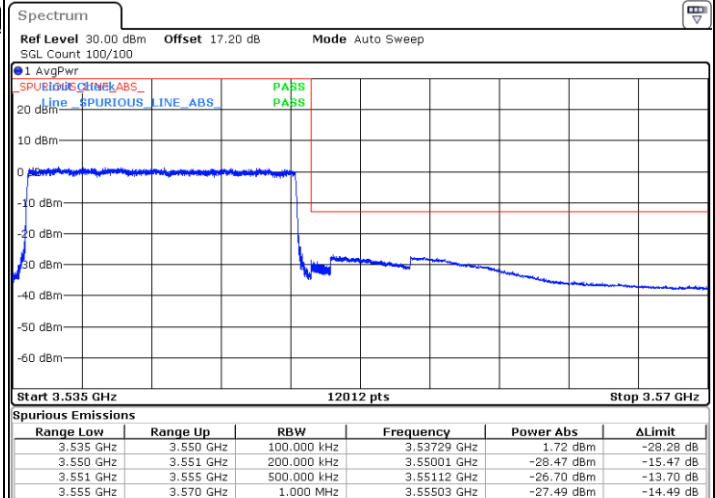
Date: 28.SEP.2022 13:39:41

## Lowest Band Edge / Full RB



Date: 28.SEP.2022 12:05:19

## Highest Band Edge / Full RB

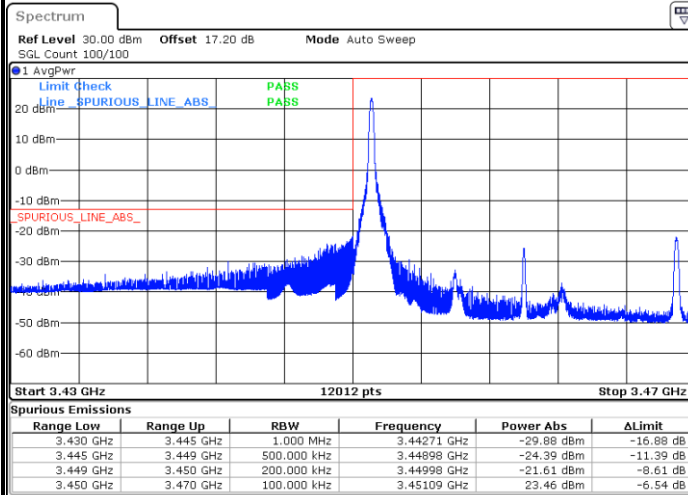


Date: 28.SEP.2022 13:35:42

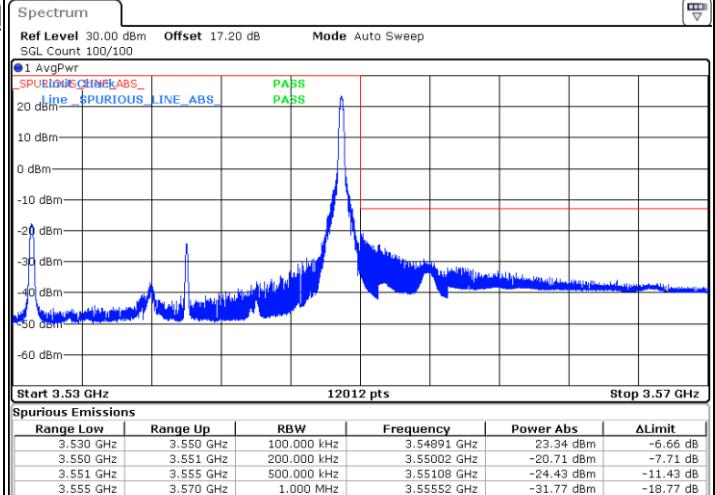


## LTE Band 42 / 20MHz / QPSK

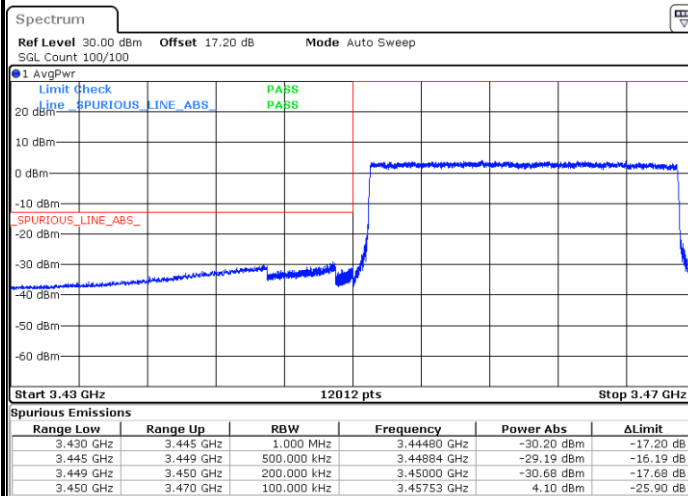
## Lowest Band Edge / 1 RB



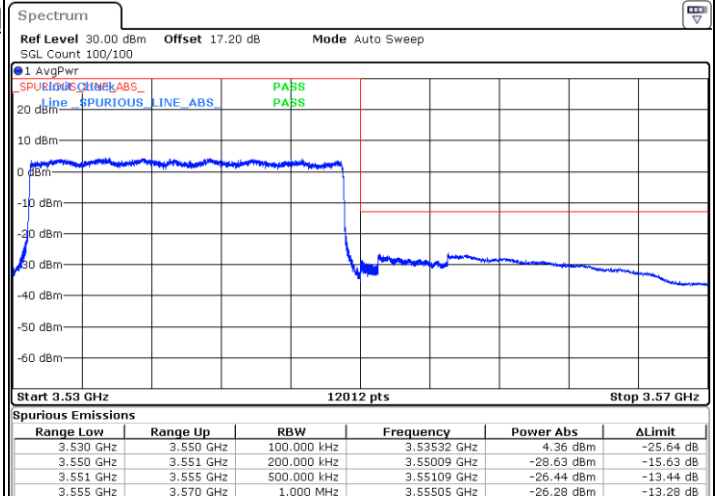
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



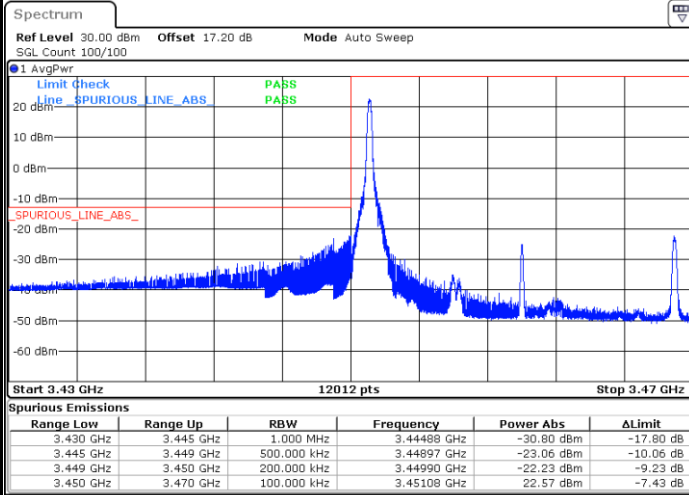
## Highest Band Edge / Full RB



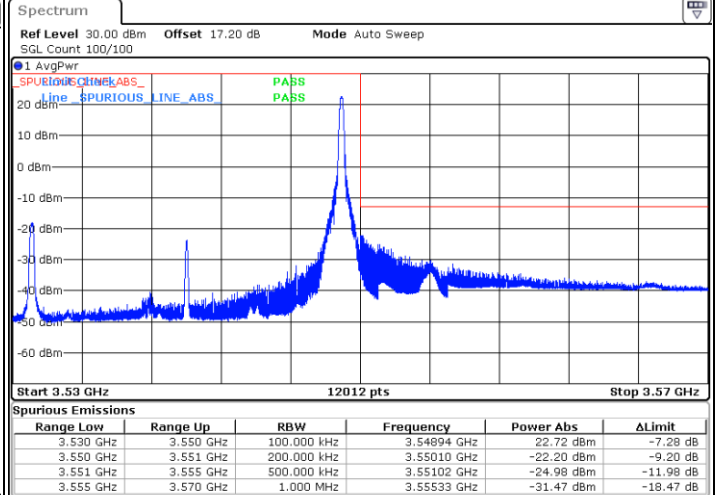


## LTE Band 42 / 20MHz / 16QAM

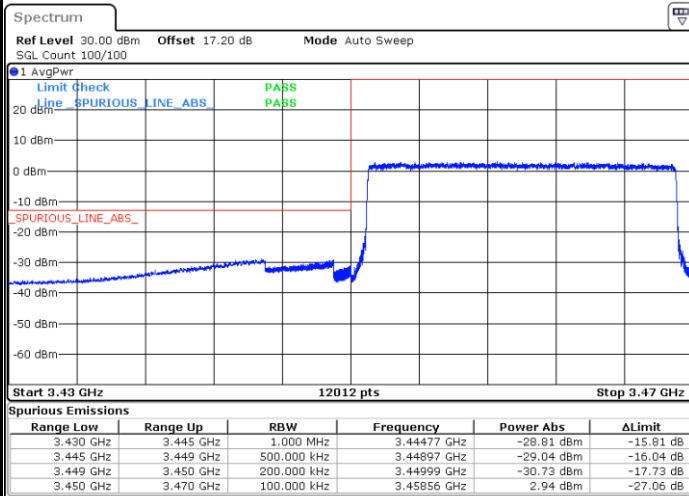
## Lowest Band Edge / 1 RB



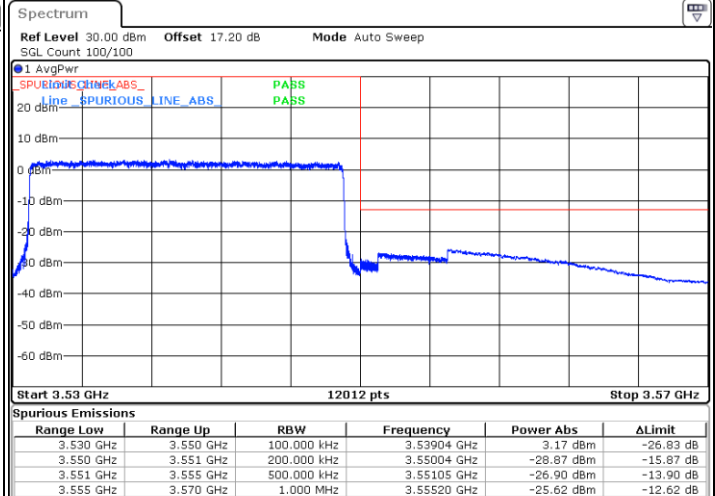
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



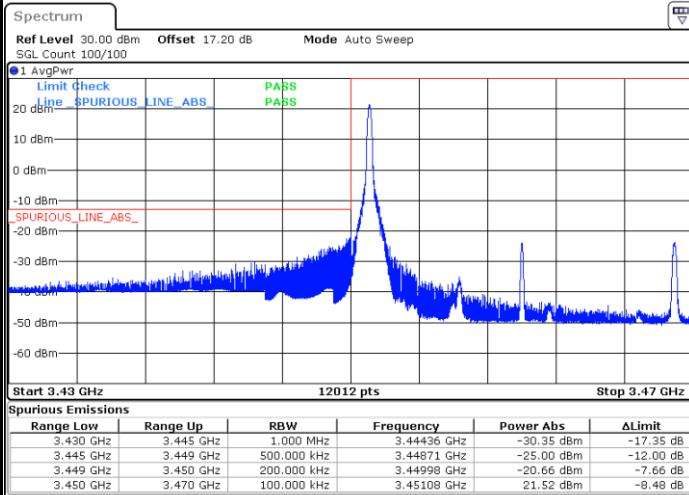
## Highest Band Edge / Full RB



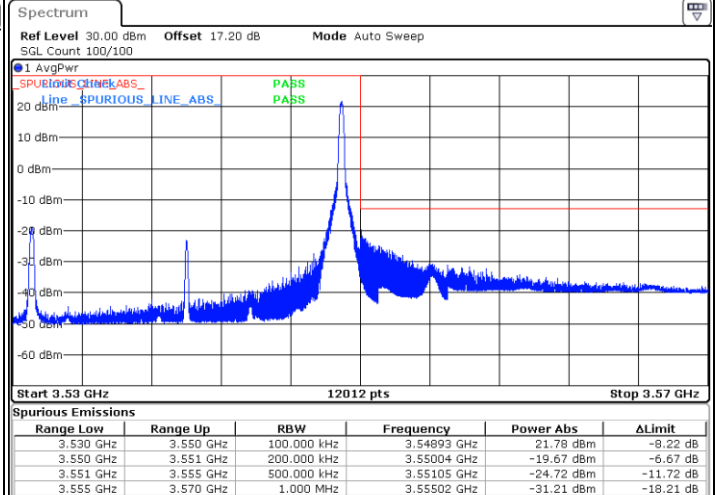


## LTE Band 42 / 20MHz / 64QAM

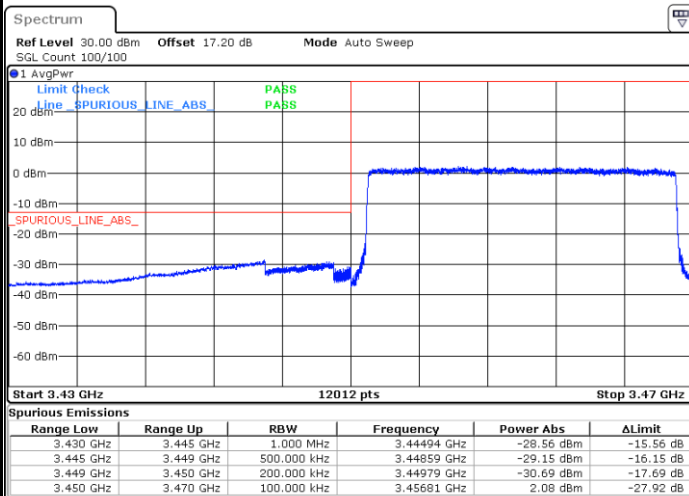
## Lowest Band Edge / 1 RB



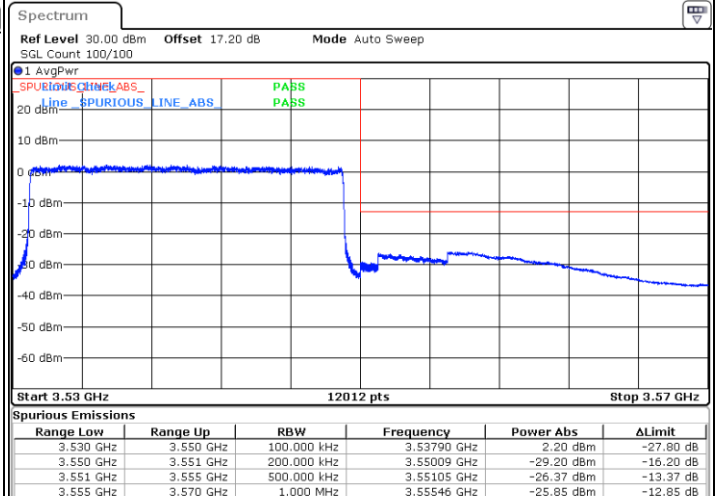
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



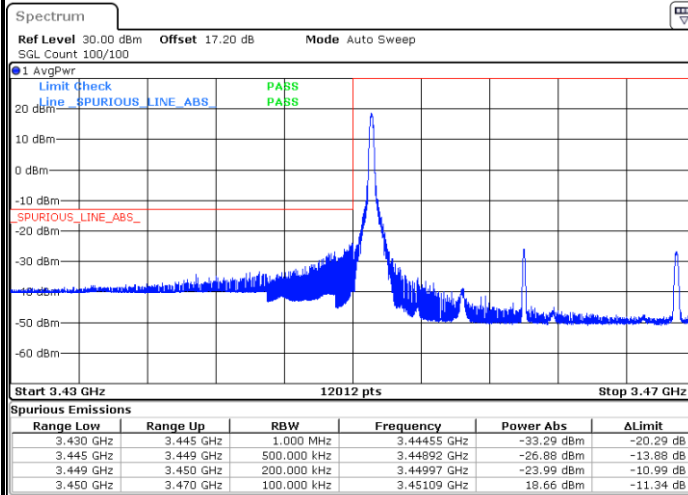
## Highest Band Edge / Full RB



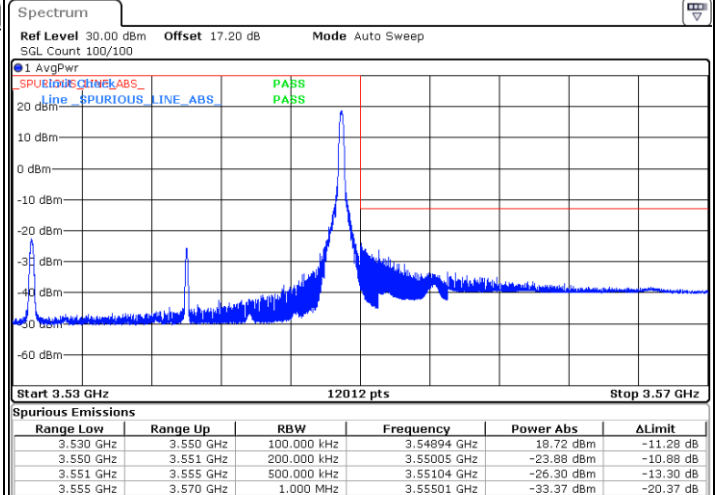


## LTE Band 42 / 20MHz / 256QAM

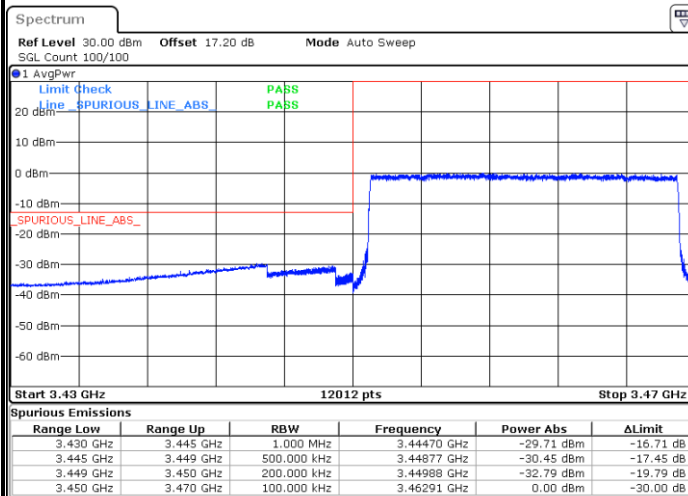
## Lowest Band Edge / 1 RB



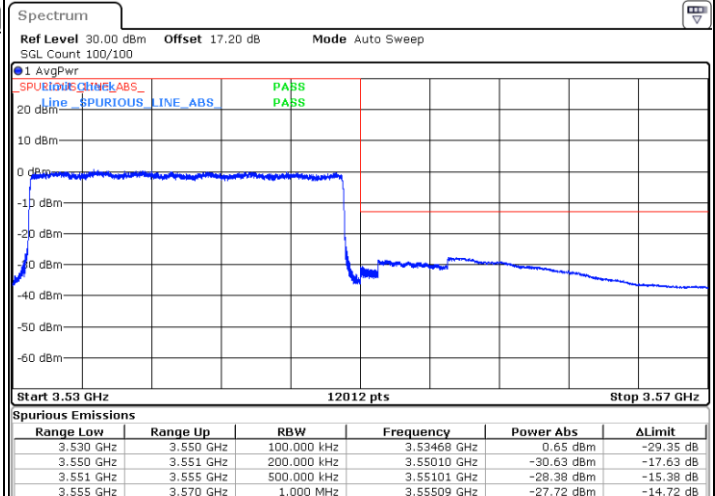
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

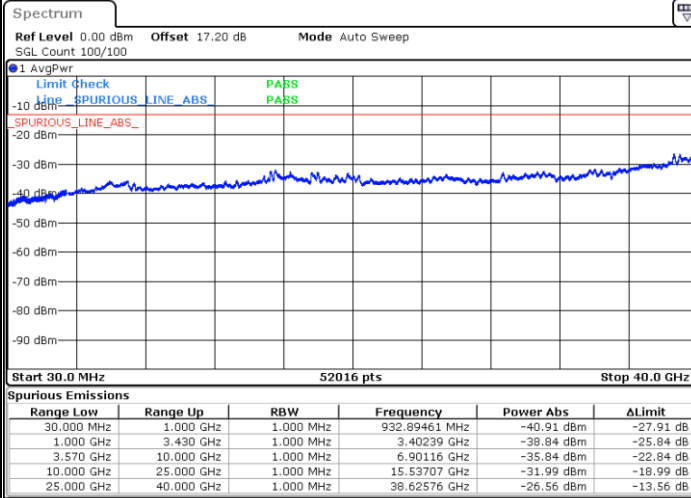




# Conducted Spurious Emission

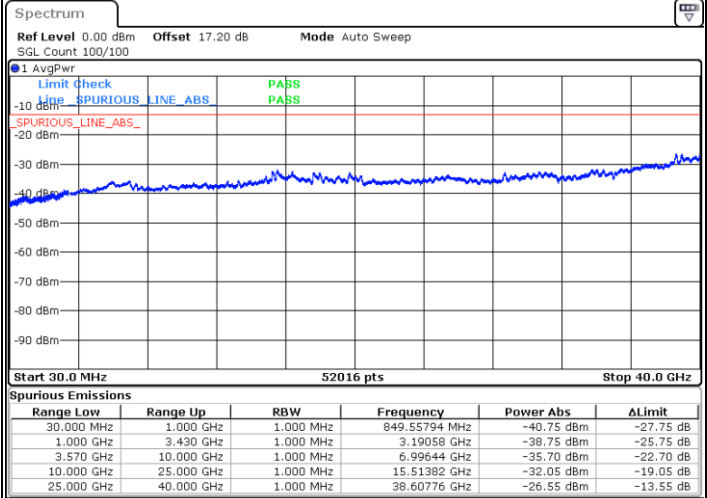
## LTE Band 42 / 5MHz

### Lowest Channel / QPSK



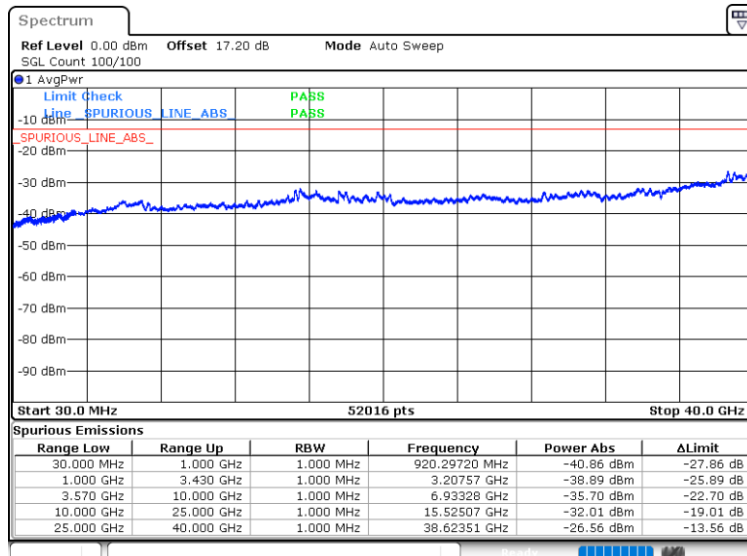
Date: 28.SEP.2022 11:34:11

### Middle Channel / QPSK



Date: 28.SEP.2022 11:35:38

### Highest Channel / QPSK

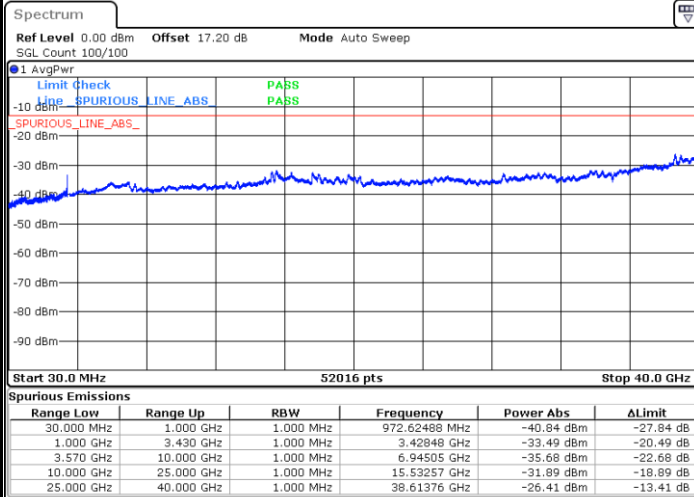


Date: 28.SEP.2022 11:37:06



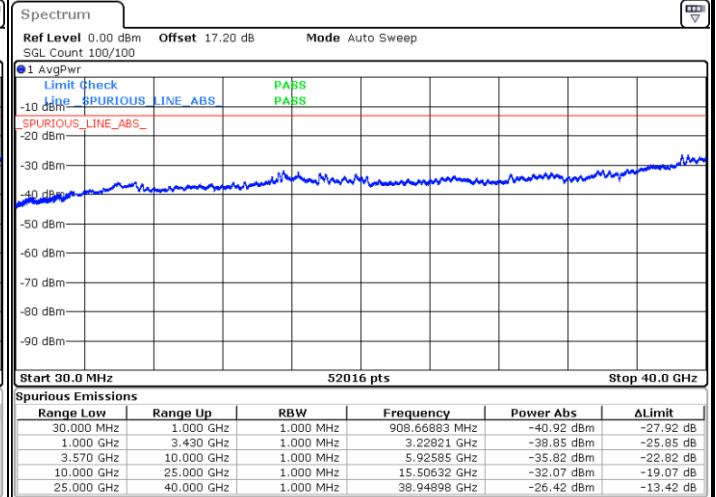
## LTE Band 42 / 10MHz

## Lowest Channel / QPSK



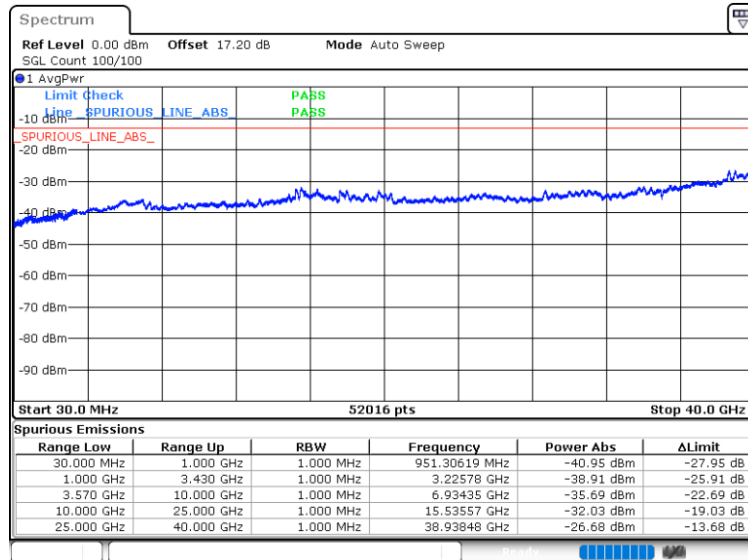
Date: 28.SEP.2022 11:54:26

## Middle Channel / QPSK



Date: 28.SEP.2022 11:55:54

## Highest Channel / QPSK

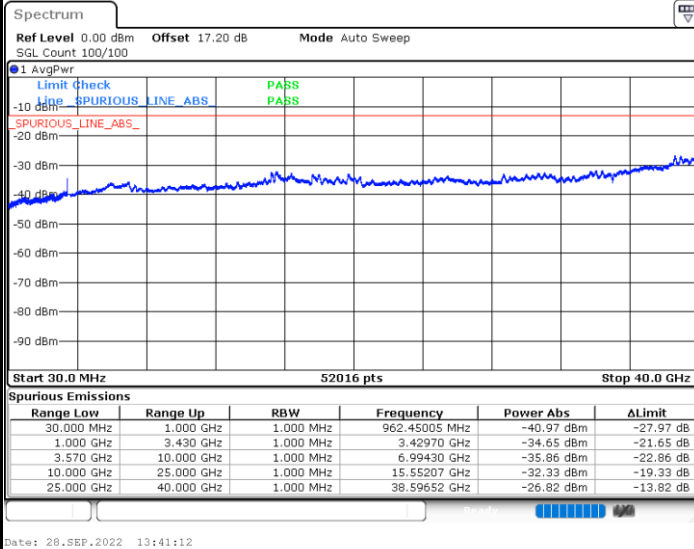


Date: 28.SEP.2022 11:57:22

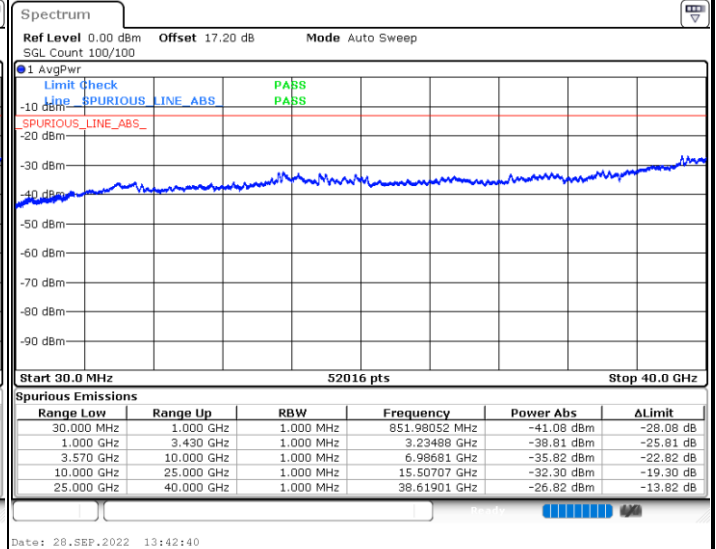


## LTE Band 42 / 15MHz

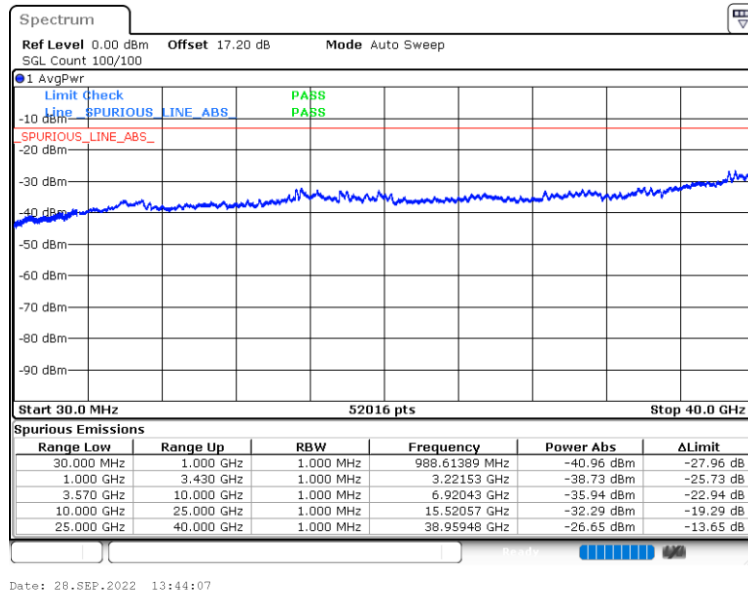
## Lowest Channel / QPSK



## Middle Channel / QPSK



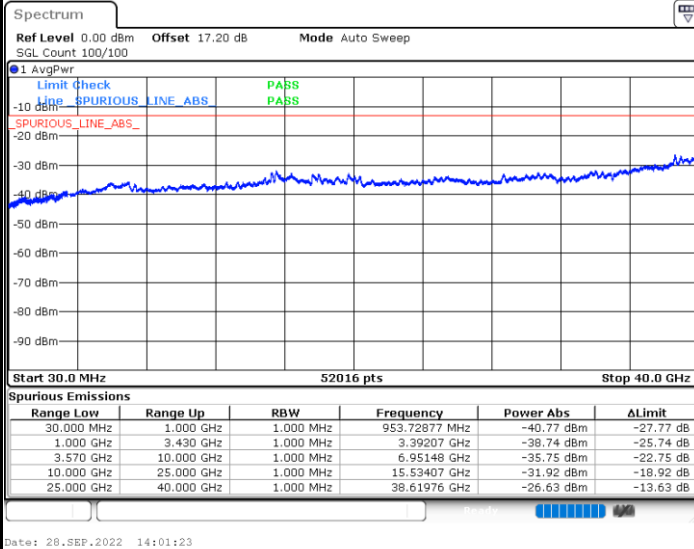
## Highest Channel / QPSK



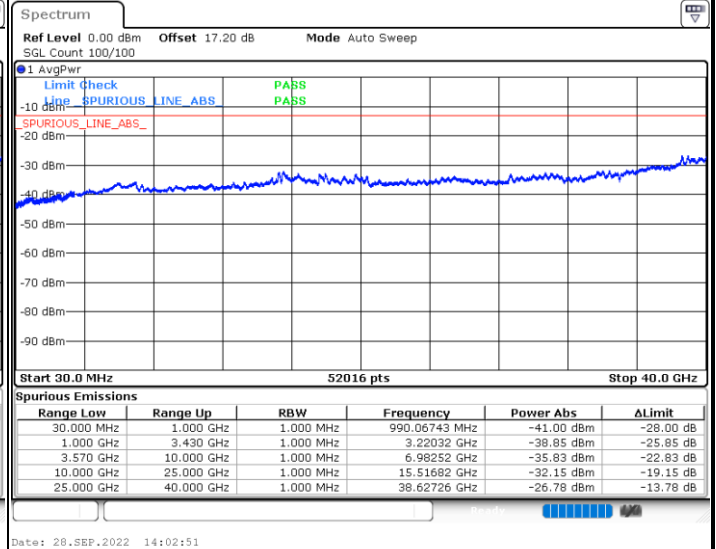


## LTE Band 42 / 20MHz

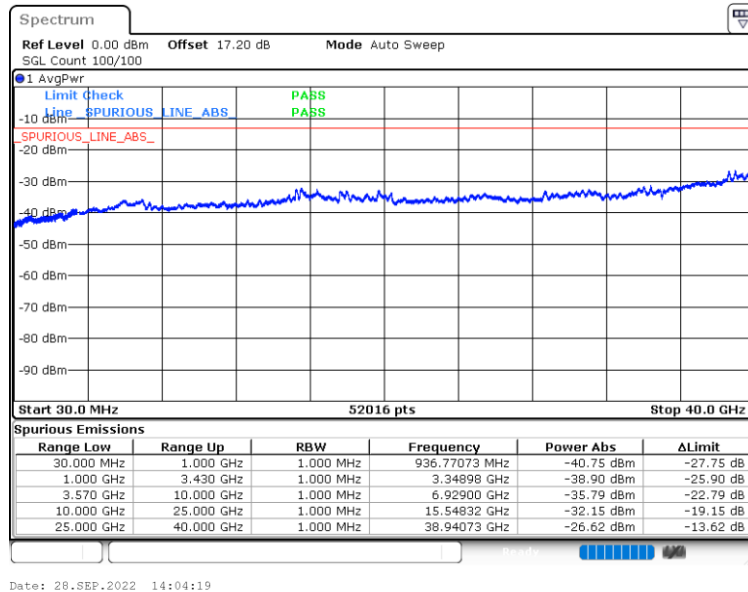
## Lowest Channel / QPSK



## Middle Channel / QPSK



## Highest Channel / QPSK



## Frequency Stability

| Test Conditions     |                   | LTE Band 42 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation (ppm)                     | Result  |
| 50                  | Normal Voltage    | 0.0033                              | PASS    |
| 40                  | Normal Voltage    | 0.0025                              |         |
| 30                  | Normal Voltage    | 0.0006                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0011                              |         |
| 0                   | Normal Voltage    | 0.0036                              |         |
| -10                 | Normal Voltage    | 0.0013                              |         |
| -20                 | Normal Voltage    | 0.0036                              |         |
| -30                 | Normal Voltage    | 0.0022                              |         |
| 20                  | Maximum Voltage   | 0.0008                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Battery End Point | 0.0021                              |         |

**Note:**

1. Normal Voltage = 4.05 V. ; Battery End Point (BEP) = 3.85 V. ; Maximum Voltage = 4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

<Ant. 12>

### LTE Band 42

| LTE Band 42 / 20MHz / QPSK |                      |                 |                  |                  |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Margin<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 7102                 | -57.03          | -40              | -17.03           | -55.16                  | -66.73                   | 1.84                       | 11.55                       | H                     |
|                            | 10653                | -54.52          | -40              | -14.52           | -57.12                  | -62.99                   | 2.23                       | 10.71                       | H                     |
|                            | 14204                | -47.81          | -40              | -7.81            | -56.54                  | -57.44                   | 2.65                       | 12.28                       | H                     |
|                            | 21306                | -62.55          | -40              | -22.55           | -76.91                  | -77.40                   | 3.32                       | 18.17                       | H                     |
|                            | 24857                | -56.90          | -40              | -16.90           | -75.18                  | -71.67                   | 3.71                       | 18.49                       | H                     |
|                            | 28408                | -55.92          | -40              | -15.92           | -76.43                  | -71.39                   | 3.99                       | 19.46                       | H                     |
|                            | 7102                 | -56.99          | -40              | -16.99           | -55.36                  | -66.69                   | 1.84                       | 11.55                       | V                     |
|                            | 10653                | -54.88          | -40              | -14.88           | -57.07                  | -63.35                   | 2.23                       | 10.71                       | V                     |
|                            | 14204                | -49.60          | -40              | -9.60            | -58.2                   | -59.23                   | 2.65                       | 12.28                       | V                     |
|                            | 21306                | -62.82          | -40              | -22.82           | -76.88                  | -77.67                   | 3.32                       | 18.17                       | V                     |
|                            | 24857                | -57.13          | -40              | -17.13           | -75.09                  | -71.90                   | 3.71                       | 18.49                       | V                     |
|                            | 28408                | -56.19          | -40              | -16.19           | -76.28                  | -71.66                   | 3.99                       | 19.46                       | V                     |
| Middle                     | 7132                 | -58.09          | -40              | -18.09           | -56.31                  | -67.72                   | 1.84                       | 11.47                       | H                     |
|                            | 10698                | -53.77          | -40              | -13.77           | -56.46                  | -62.22                   | 2.23                       | 10.68                       | H                     |
|                            | 14264                | -49.59          | -40              | -9.59            | -58.39                  | -59.19                   | 2.64                       | 12.24                       | H                     |
|                            | 21396                | -62.01          | -40              | -22.01           | -76.65                  | -76.94                   | 3.34                       | 18.28                       | H                     |
|                            | 24962                | -54.42          | -40              | -14.42           | -72.7                   | -69.14                   | 3.70                       | 18.42                       | H                     |
|                            | 28528                | -55.13          | -40              | -15.13           | -75.69                  | -70.53                   | 3.99                       | 19.39                       | H                     |
|                            | 7132                 | -57.54          | -40              | -17.54           | -56.04                  | -67.17                   | 1.84                       | 11.47                       | V                     |
|                            | 10698                | -54.15          | -40              | -14.15           | -56.47                  | -62.60                   | 2.23                       | 10.68                       | V                     |
|                            | 14264                | -49.25          | -40              | -9.25            | -58.05                  | -58.85                   | 2.64                       | 12.24                       | V                     |
|                            | 21396                | -61.89          | -40              | -21.89           | -76.23                  | -76.82                   | 3.34                       | 18.28                       | V                     |
|                            | 24962                | -52.11          | -40              | -12.11           | -70.07                  | -66.83                   | 3.70                       | 18.42                       | V                     |
|                            | 28528                | -55.57          | -40              | -15.57           | -75.71                  | -70.97                   | 3.99                       | 19.39                       | V                     |



|         |       |        |     |        |        |        |      |       |   |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 7162  | -58.10 | -40 | -18.10 | -56.39 | -67.65 | 1.84 | 11.40 | H |
|         | 10743 | -53.64 | -40 | -13.64 | -56.42 | -62.07 | 2.23 | 10.65 | H |
|         | 14324 | -48.72 | -40 | -8.72  | -57.56 | -58.29 | 2.64 | 12.21 | H |
|         | 21486 | -58.55 | -40 | -18.55 | -73.47 | -73.57 | 3.37 | 18.38 | H |
|         | 25067 | -54.12 | -40 | -14.12 | -72.41 | -68.88 | 3.72 | 18.48 | H |
|         | 28648 | -55.21 | -40 | -15.21 | -75.97 | -70.59 | 3.99 | 19.37 | H |
|         | 7162  | -56.07 | -40 | -16.07 | -54.7  | -65.62 | 1.84 | 11.40 | V |
|         | 10743 | -54.05 | -40 | -14.05 | -56.5  | -62.48 | 2.23 | 10.65 | V |
|         | 14324 | -48.82 | -40 | -8.82  | -57.79 | -58.39 | 2.64 | 12.21 | V |
|         | 21486 | -60.08 | -40 | -20.08 | -74.69 | -75.10 | 3.37 | 18.38 | V |
|         | 25067 | -54.36 | -40 | -14.36 | -72.34 | -69.12 | 3.72 | 18.48 | V |
|         | 28648 | -55.14 | -40 | -15.14 | -75.48 | -70.52 | 3.99 | 19.37 | V |

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