

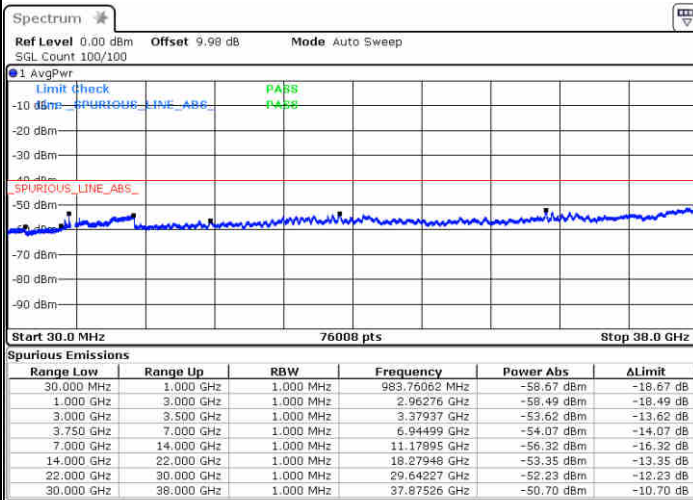


## LTE Band 48C / 20MHz+20MHz

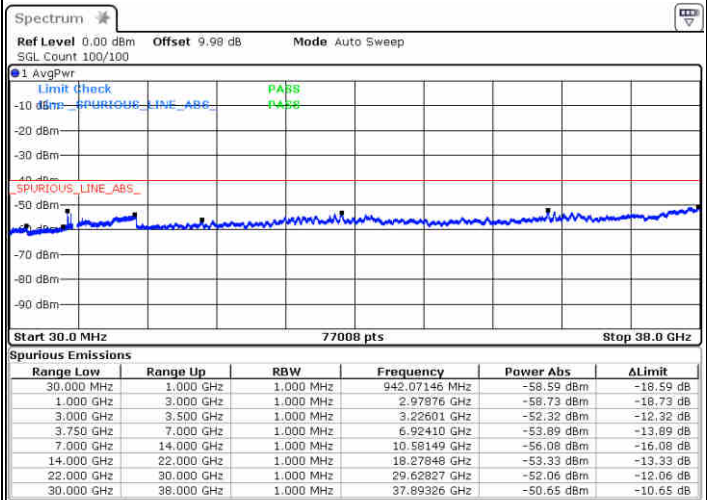
## QPSK

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



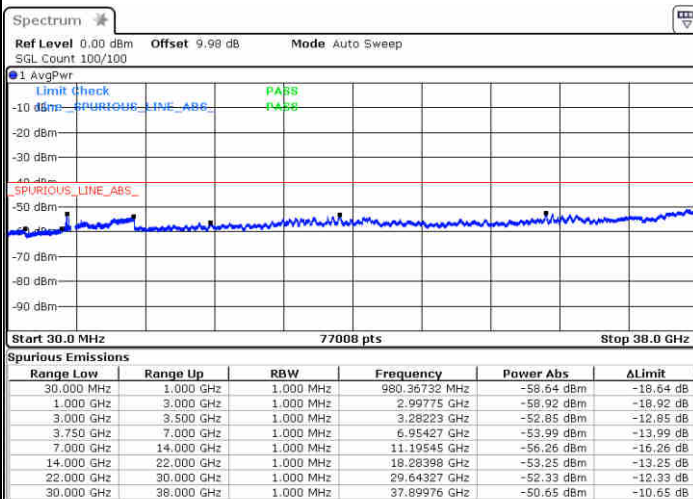
Date: 14 JUL 2020 01:11:58



Date: 14 JUL 2020 01:58:43

## Highest Channel / 1RB99 and 1RB0

N/A



Date: 14 JUL 2020 00:18:44

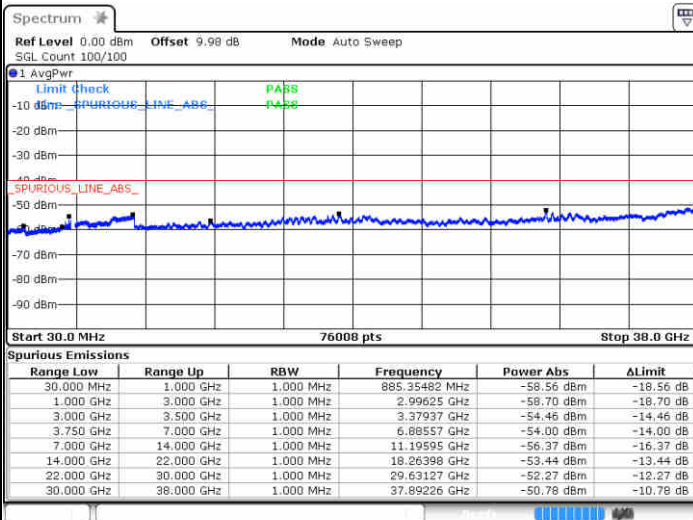


## LTE Band 48C / 5MHz+20MHz

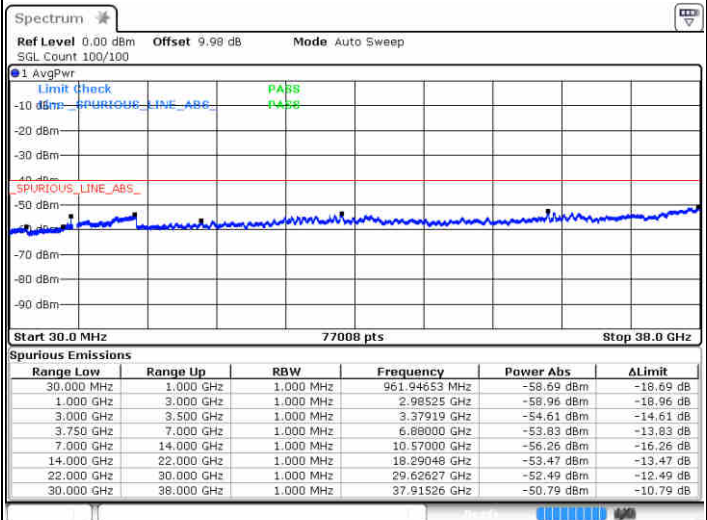
## 16QAM

## Lowest Channel / 1RB24 and 1RB0

## Middle Channel / 1RB24 and 1RB0



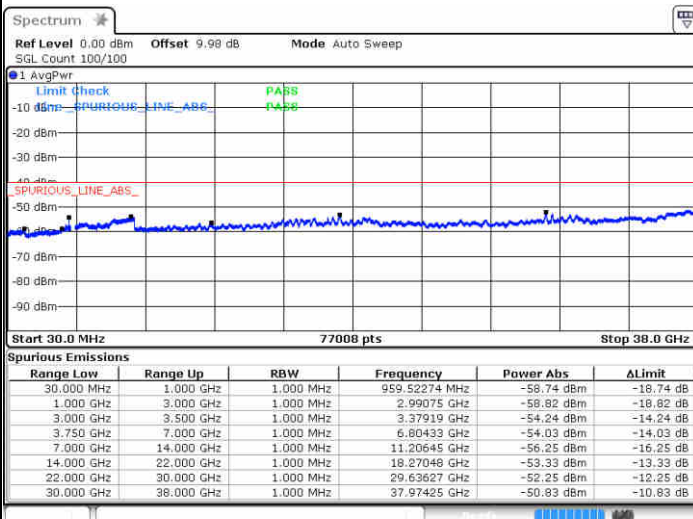
Date: 13 JUL 2020 02:37:33



Date: 13 JUL 2020 02:48:44

## Highest Channel / 1RB24 and 1RB0

## N/A



Date: 13 JUL 2020 03:00:02

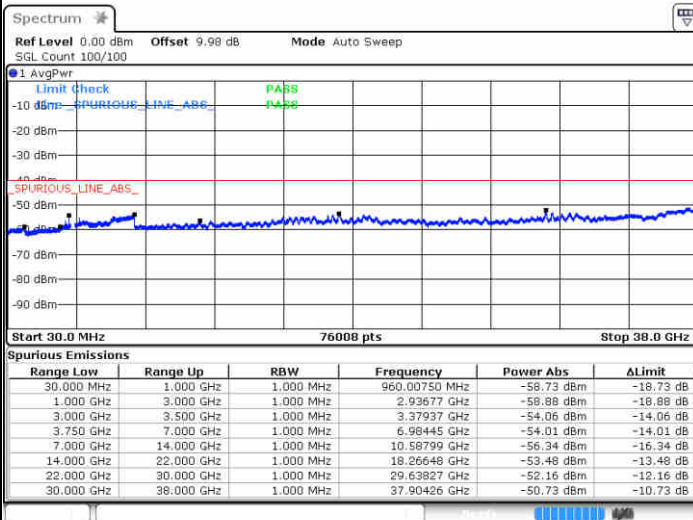


## LTE Band 48C / 10MHz+20MHz

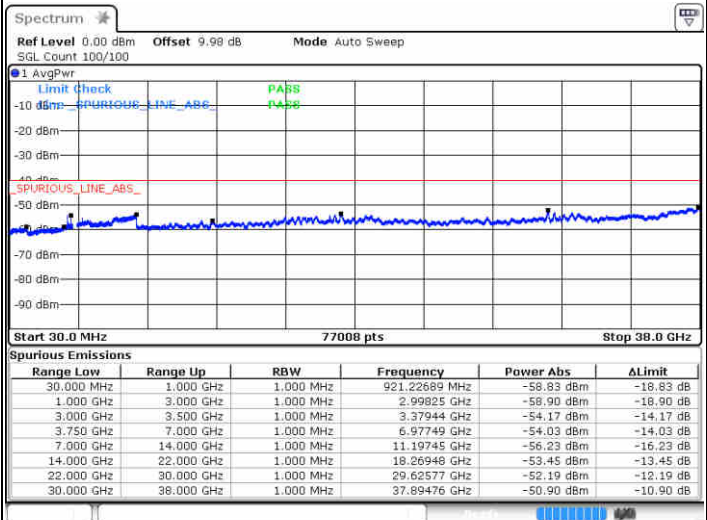
## 16QAM

## Lowest Channel / 1RB49 and 1RB0

## Middle Channel / 1RB49 and 1RB0



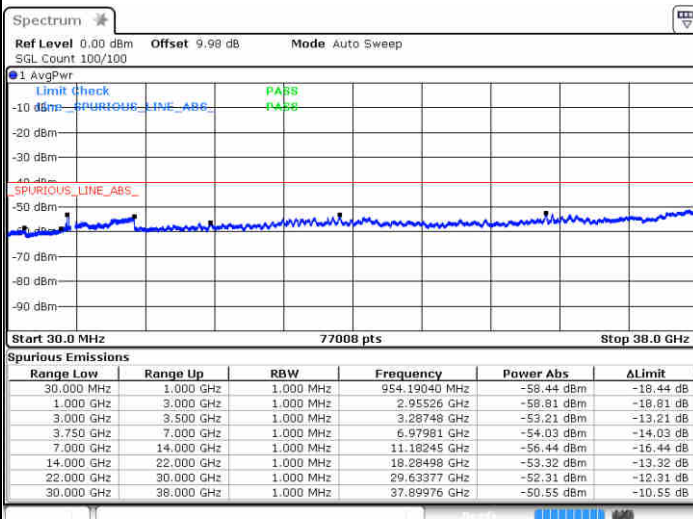
Date: 13 JUL 2020 05:34:50



Date: 13 JUL 2020 06:09:08

## Highest Channel / 1RB49 and 1RB0

## N/A



Date: 13 JUL 2020 06:39:55

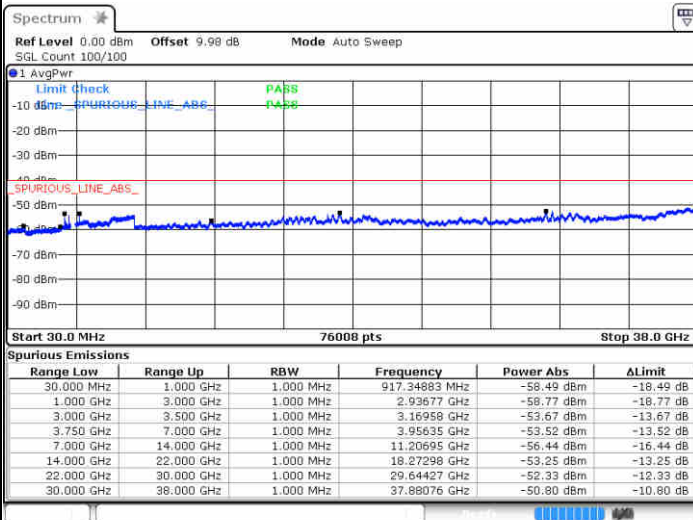


## LTE Band 48C / 15MHz+20MHz

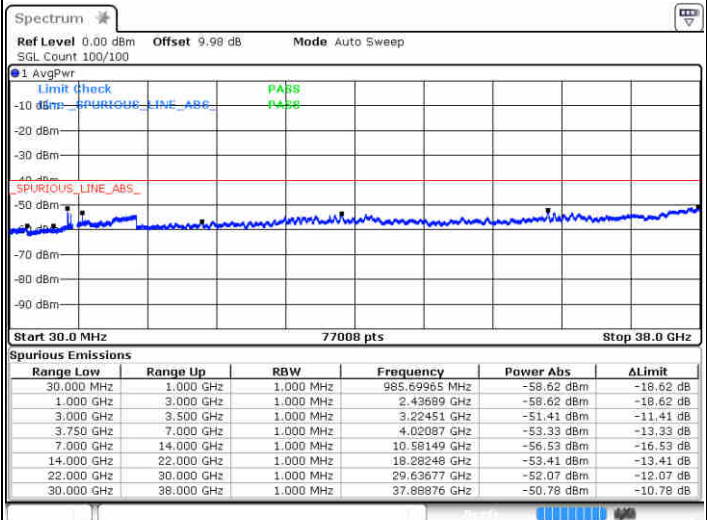
## 16QAM

## Lowest Channel / 1RB74 and 1RB0

## Middle Channel / 1RB74 and 1RB0



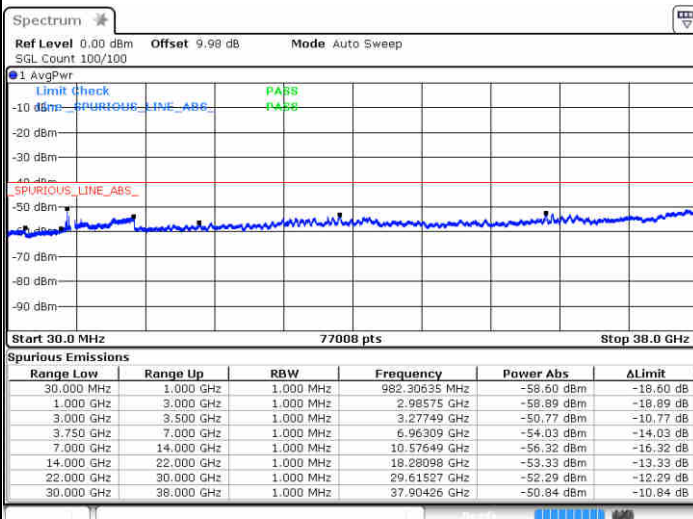
Date: 14 JUL 2020 02:14:56



Date: 14 JUL 2020 02:28:17

## Highest Channel / 1RB74 and 1RB0

## N/A



Date: 14 JUL 2020 02:38:58

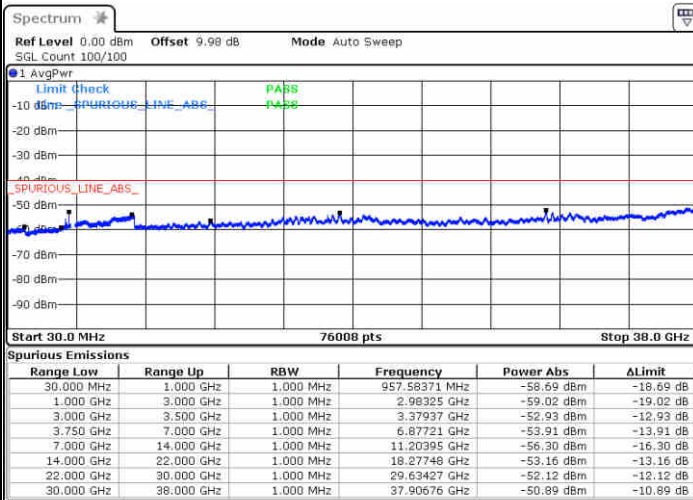


## LTE Band 48C / 20MHz+5MHz

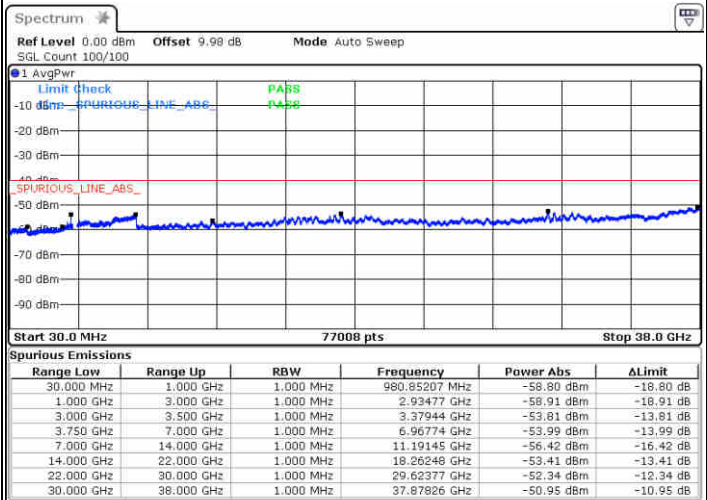
## 16QAM

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



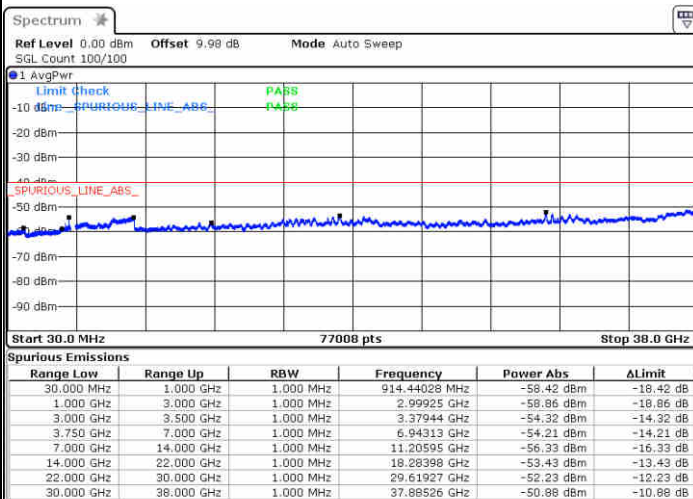
Date: 13 JUL 2020 03:36:23



Date: 13 JUL 2020 04:04:46

## Highest Channel / 1RB99 and 1RB0

## N/A



Date: 13 JUL 2020 04:33:09

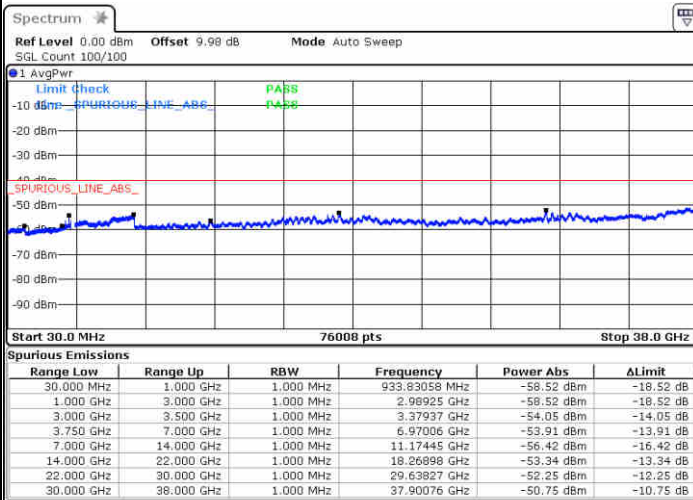


## LTE Band 48C / 20MHz+10MHz

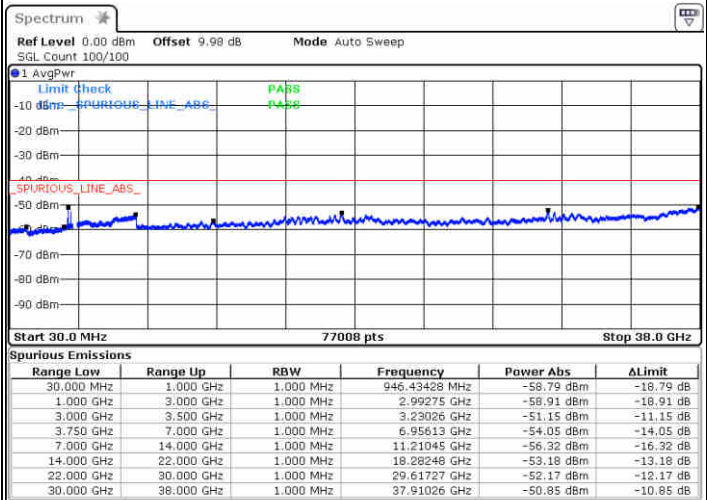
## 16QAM

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



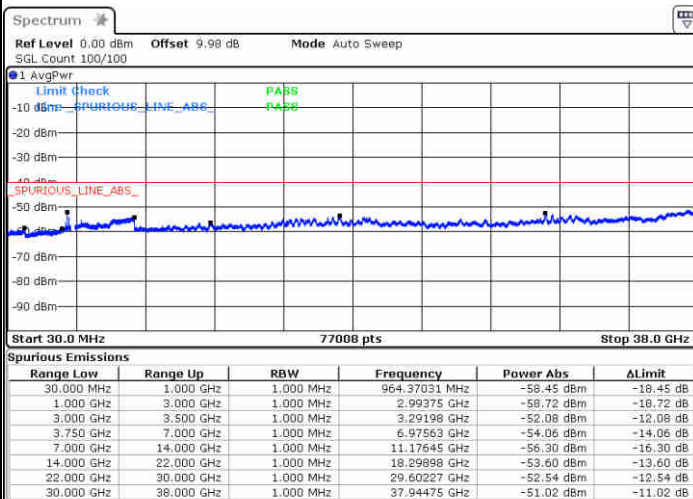
Date: 13 JUL 2020 00:34:10



Date: 13 JUL 2020 00:44:55

## Highest Channel / 1RB99 and 1RB0

## N/A



Date: 13 JUL 2020 01:39:14



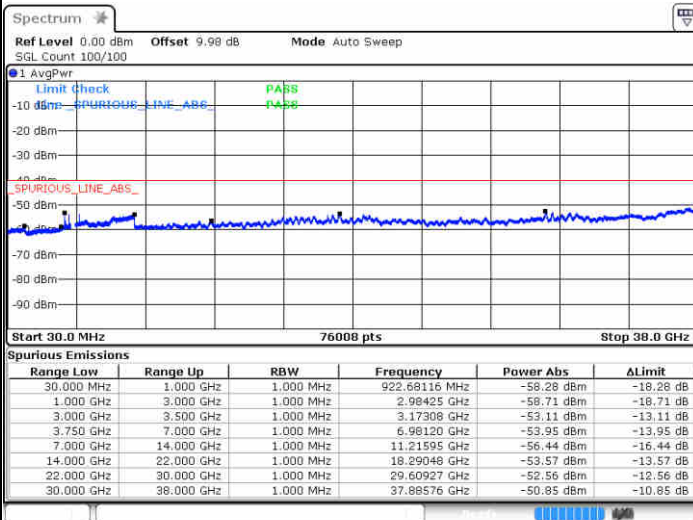


## LTE Band 48C / 20MHz+15MHz

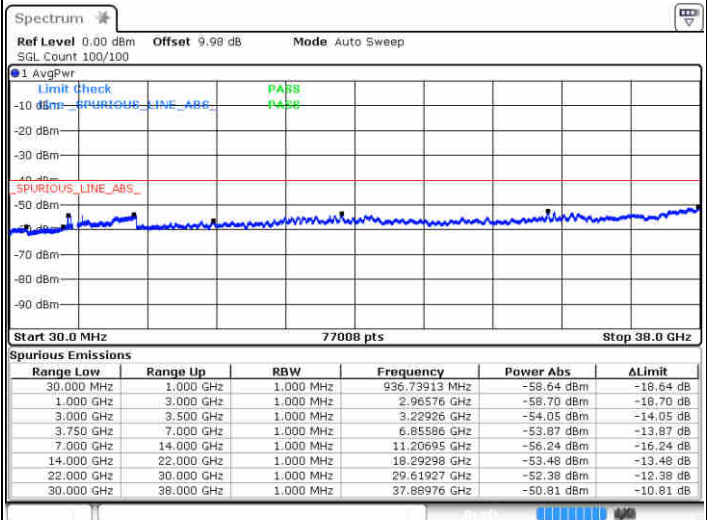
## 16QAM

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



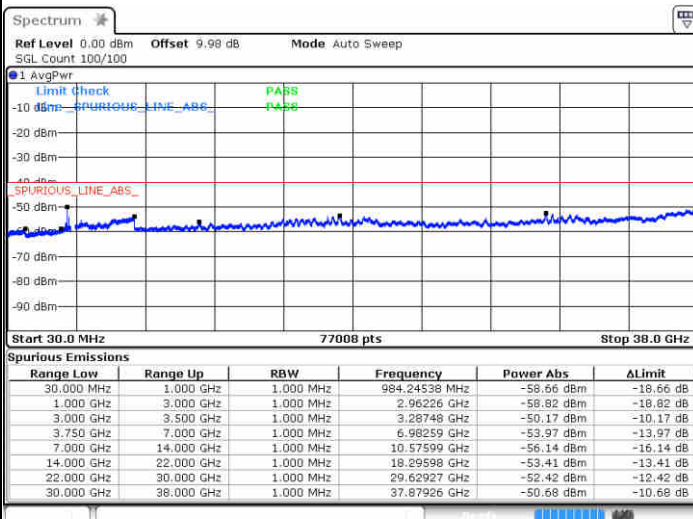
Date: 14 JUL 2020 03:24:15



Date: 14 JUL 2020 03:34:09

## Highest Channel / 1RB99 and 1RB0

N/A



Date: 14 JUL 2020 03:48:25

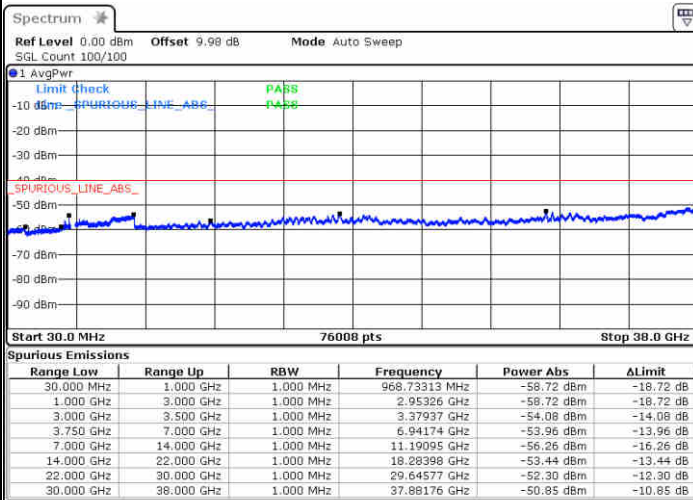


## LTE Band 48C / 20MHz+20MHz

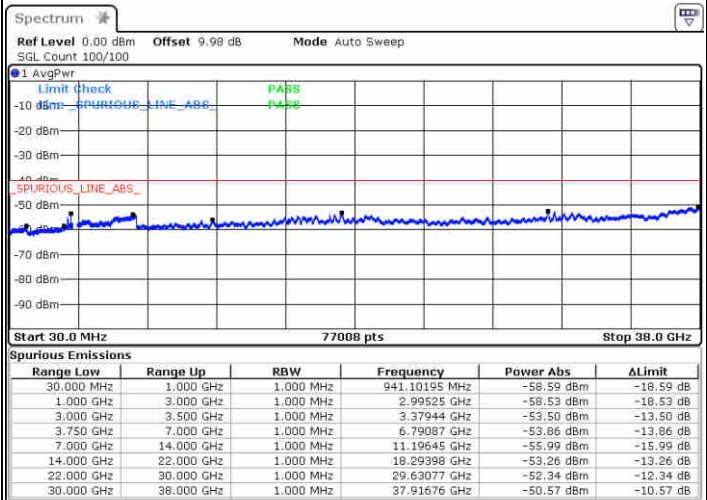
## 16QAM

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



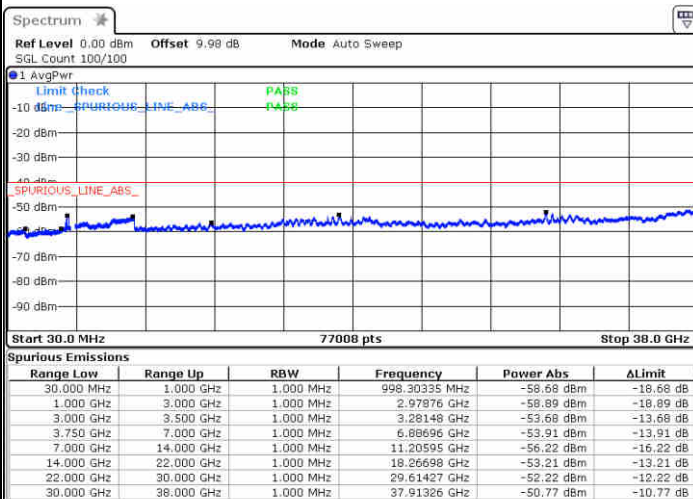
Date: 14 JUL 2020 01:17:29



Date: 14 JUL 2020 02:02:06

## Highest Channel / 1RB99 and 1RB0

N/A



Date: 14 JUL 2020 00:22:05



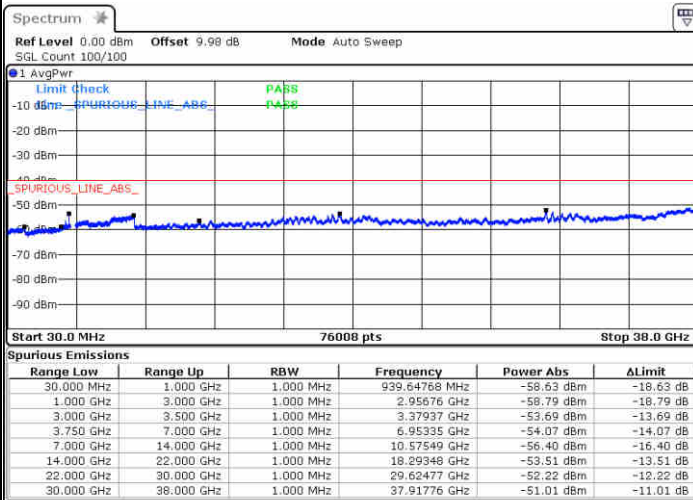


## LTE Band 48C / 5MHz+20MHz

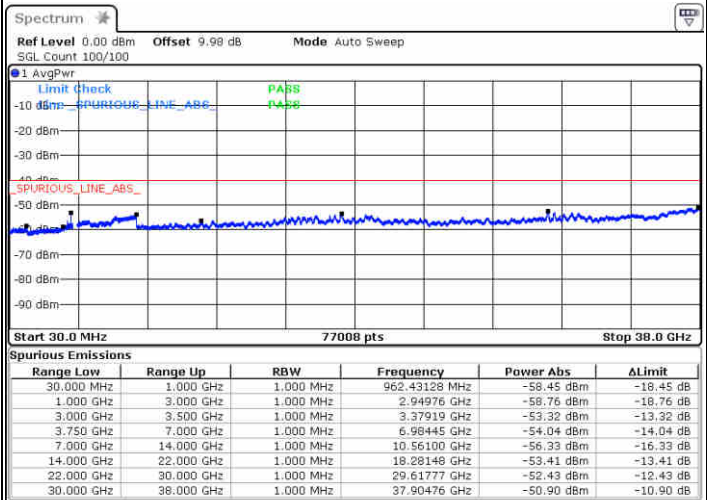
## 64QAM

## Lowest Channel / 1RB24 and 1RB0

## Middle Channel / 1RB24 and 1RB0



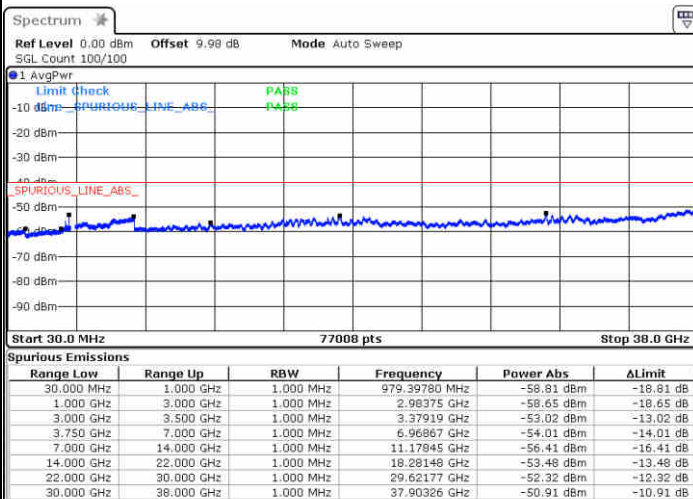
Date: 13 JUL 2020 02:40:33



Date: 13 JUL 2020 02:52:10

## Highest Channel / 1RB24 and 1RB0

## N/A



Date: 13 JUL 2020 03:03:29

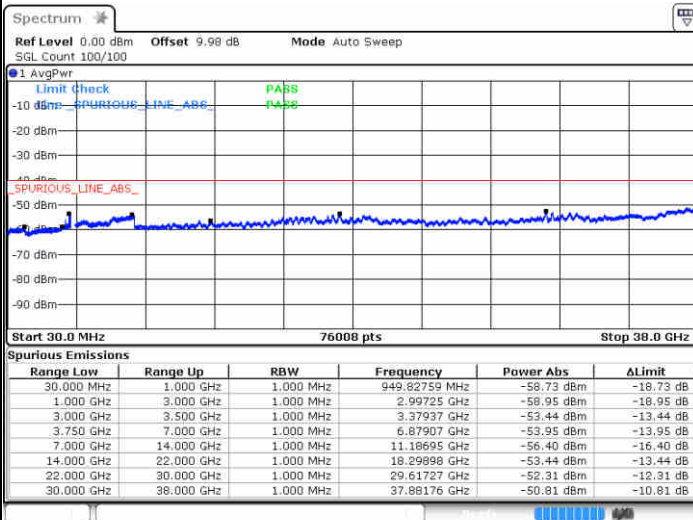


## LTE Band 48C / 10MHz+20MHz

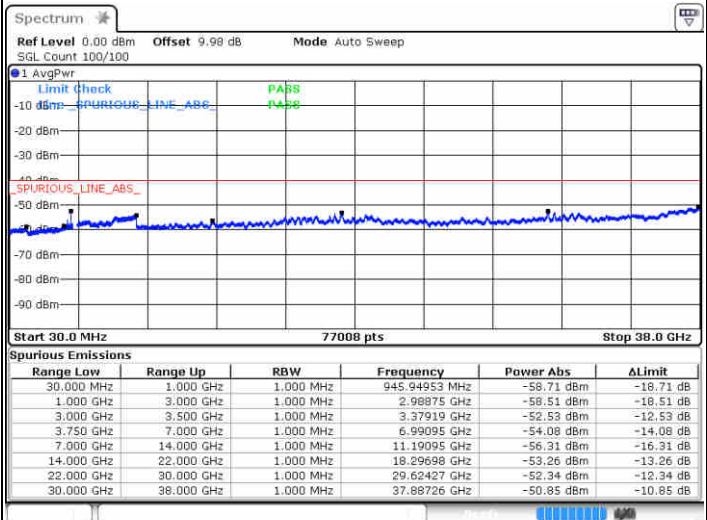
## 64QAM

## Lowest Channel / 1RB49 and 1RB0

## Middle Channel / 1RB49 and 1RB0



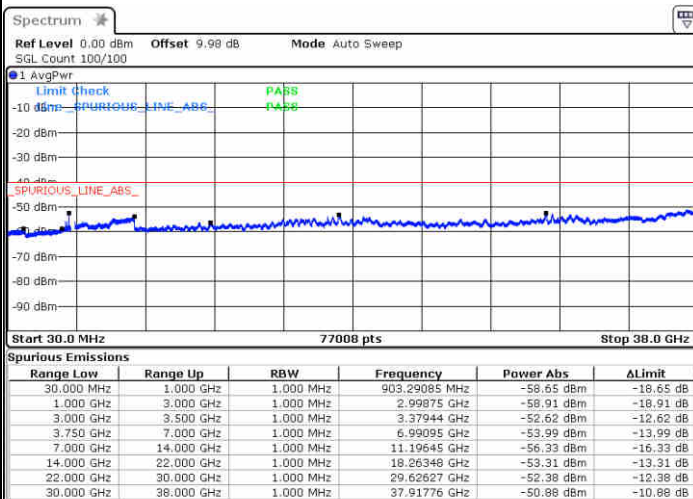
Date: 13 JUL 2020 05:38:26



Date: 13 JUL 2020 06:12:36

## Highest Channel / 1RB49 and 1RB0

## N/A



Date: 13 JUL 2020 06:44:23

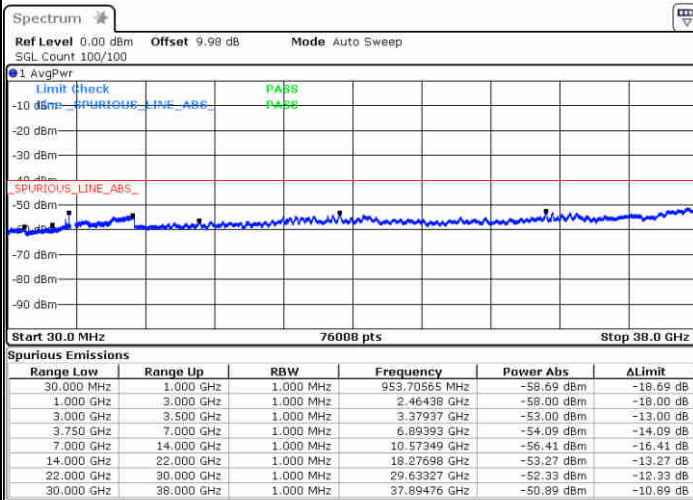


## LTE Band 48C / 15MHz+20MHz

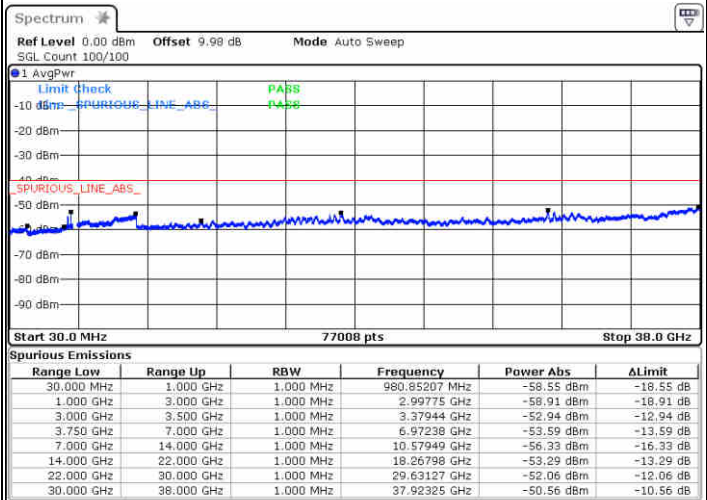
## 64QAM

## Lowest Channel / 1RB74 and 1RB0

## Middle Channel / 1RB74 and 1RB0



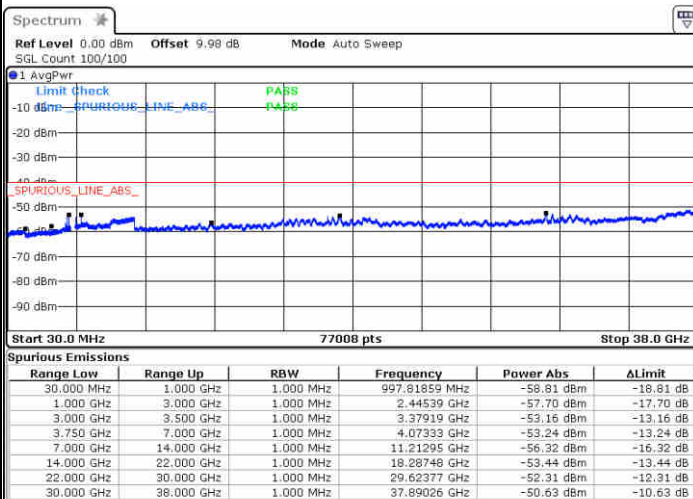
Date: 14 JUL 2020 02:22:41



Date: 14 JUL 2020 02:30:47

## Highest Channel / 1RB74 and 1RB0

## N/A



Date: 14 JUL 2020 02:41:16

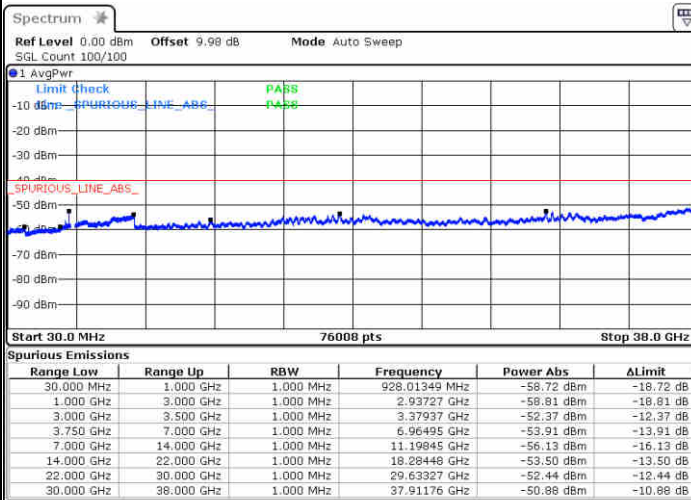


## LTE Band 48C / 20MHz+5MHz

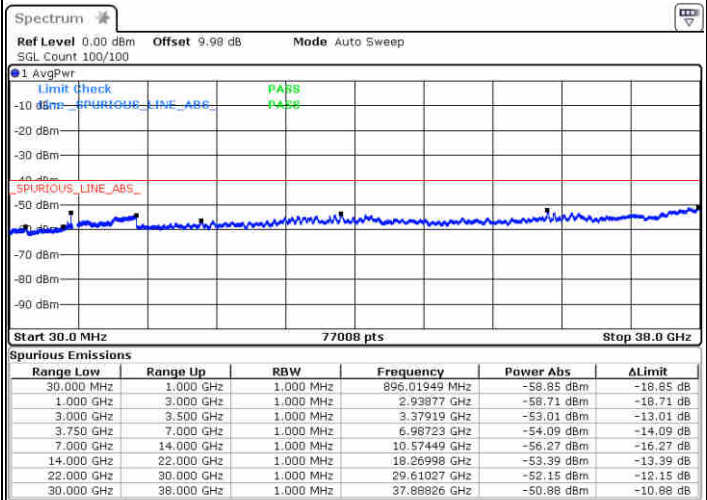
## 64QAM

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



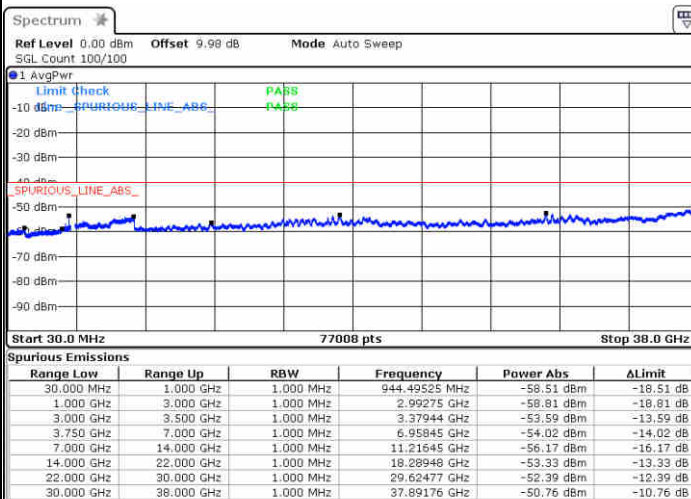
Date: 13 JUL 2020 03:39:44



Date: 13 JUL 2020 04:10:42

## Highest Channel / 1RB99 and 1RB0

## N/A



Date: 13 JUL 2020 04:38:57

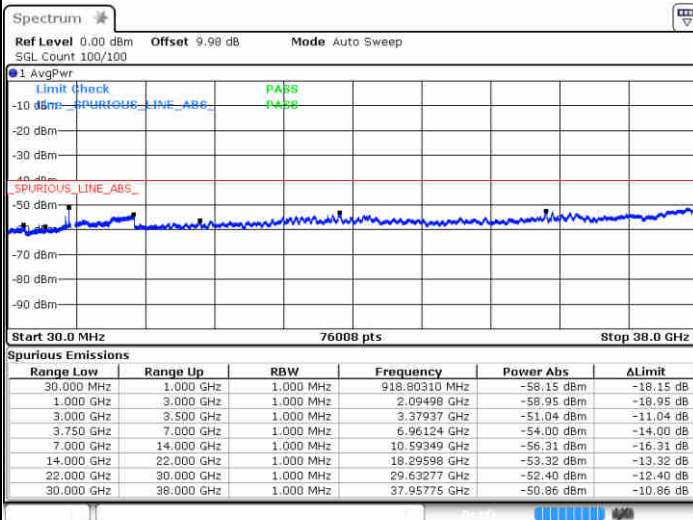


## LTE Band 48C / 20MHz+10MHz

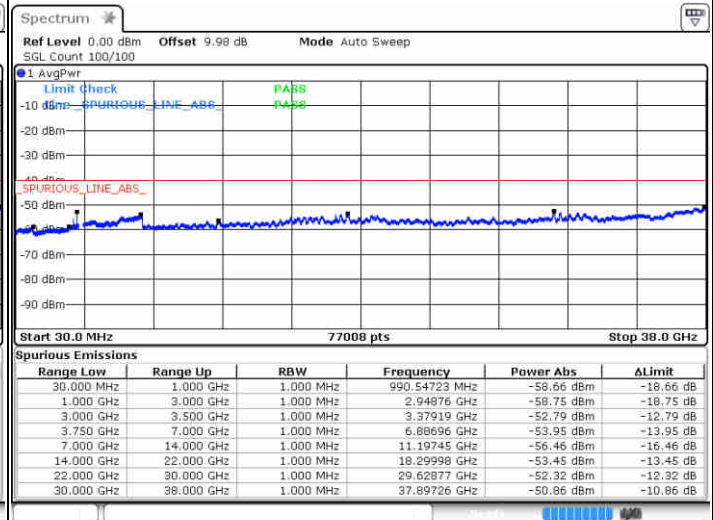
## 64QAM

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



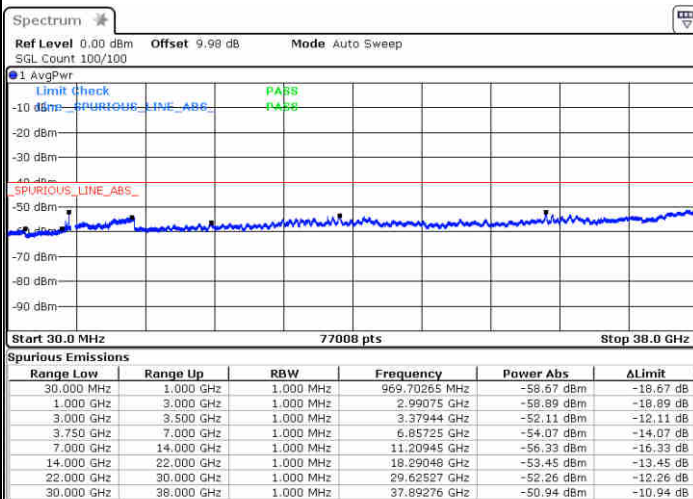
Date: 13 JUL 2020 00:37:06



Date: 13 JUL 2020 00:51:11

## Highest Channel / 1RB99 and 1RB0

## N/A



Date: 13 JUL 2020 01:47:58

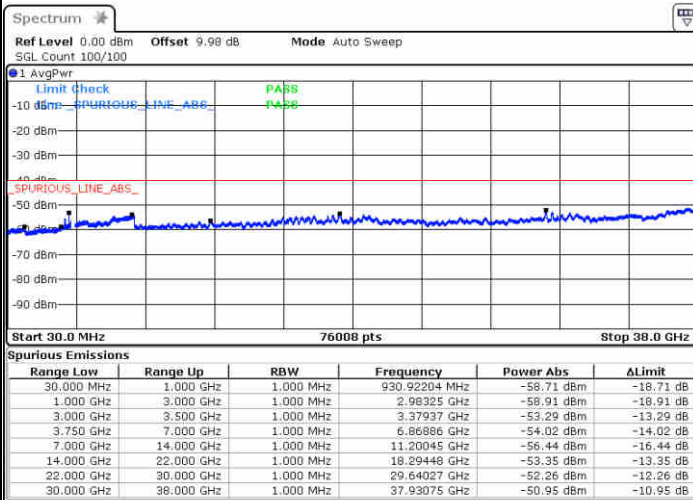


## LTE Band 48C / 20MHz+15MHz

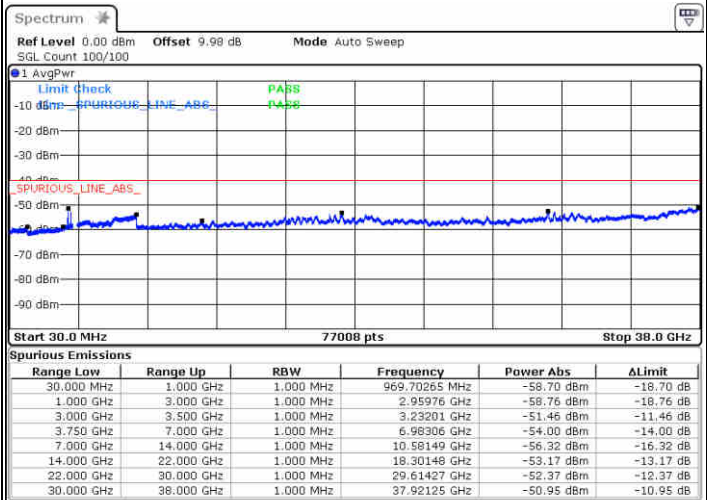
## 64QAM

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



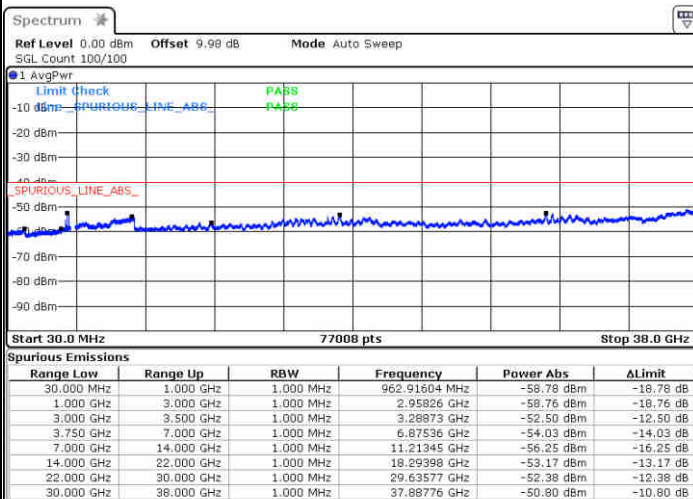
Date: 14 JUL 2020 03:26:42



Date: 14 JUL 2020 03:36:46

## Highest Channel / 1RB99 and 1RB0

N/A



Date: 14 JUL 2020 03:48:41



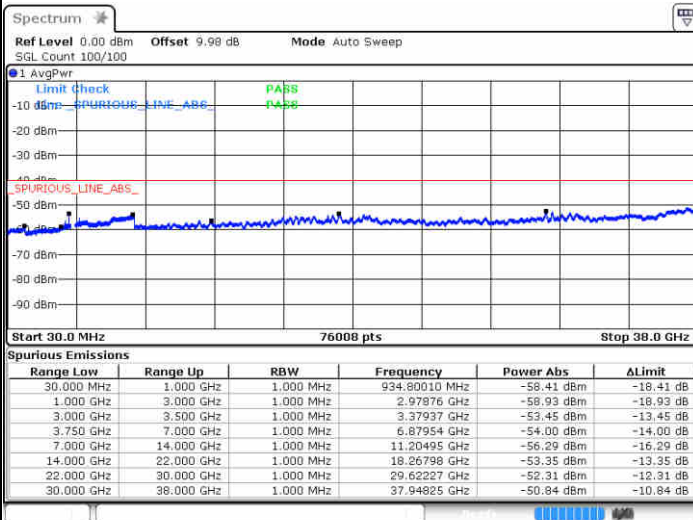


## LTE Band 48C / 20MHz+20MHz

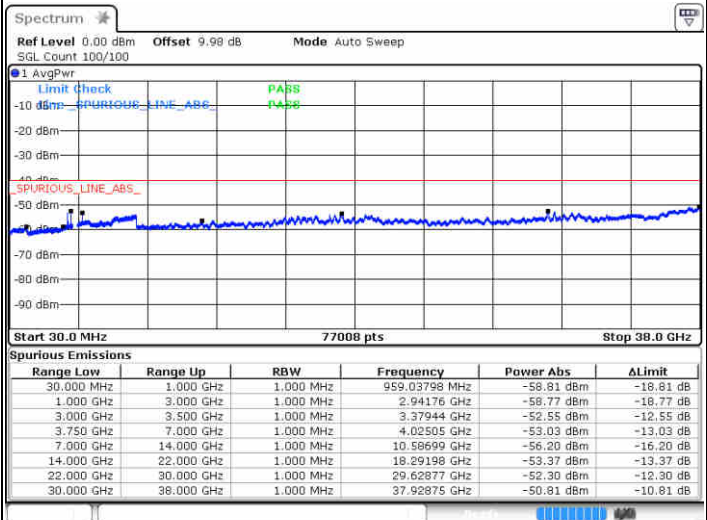
## 64QAM

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



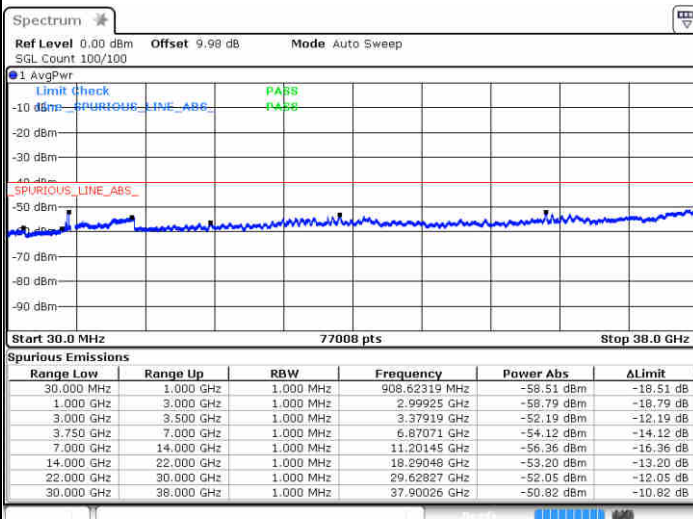
Date: 14 JUL 2020 01:19:55



Date: 14 JUL 2020 02:05:12

## Highest Channel / 1RB99 and 1RB0

N/A



Date: 14 JUL 2020 00:24:49

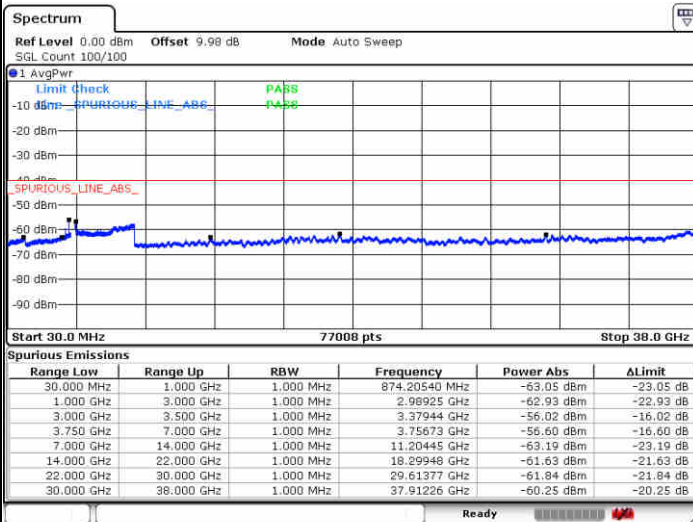


## LTE Band 48C / 5MHz+20MHz

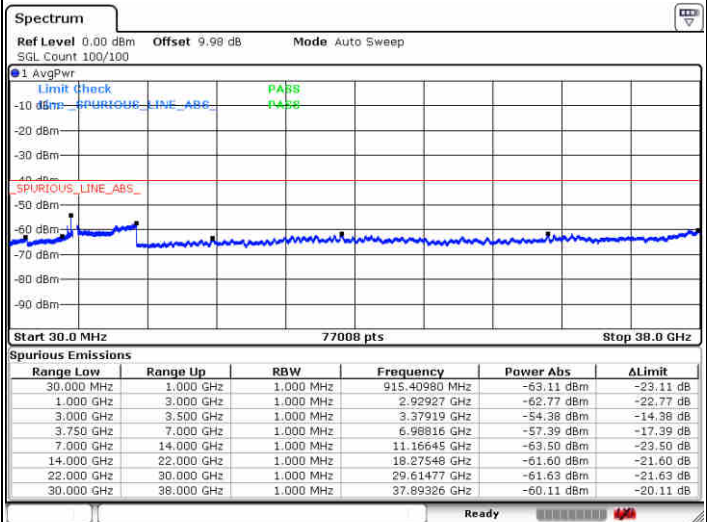
## 256QAM

## Lowest Channel / 1RB24 and 1RB0

## Middle Channel / 1RB24 and 1RB0



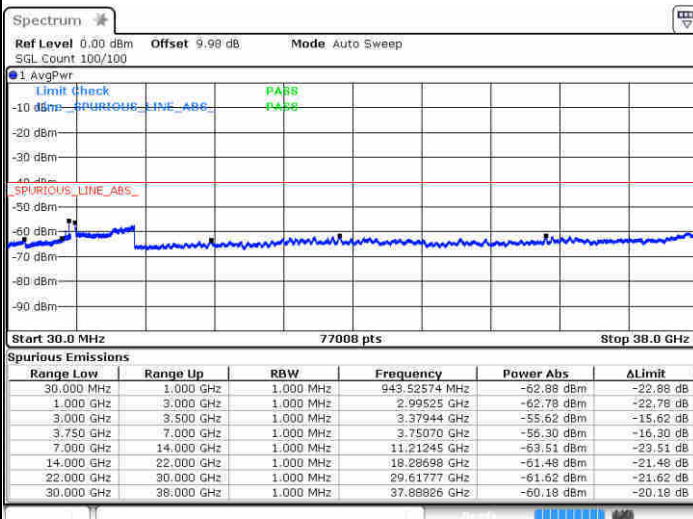
Date: 21 JUL 2020 21:16:38



Date: 21 JUL 2020 20:56:33

## Highest Channel / 1RB24 and 1RB0

N/A



Date: 21 JUL 2020 20:48:52

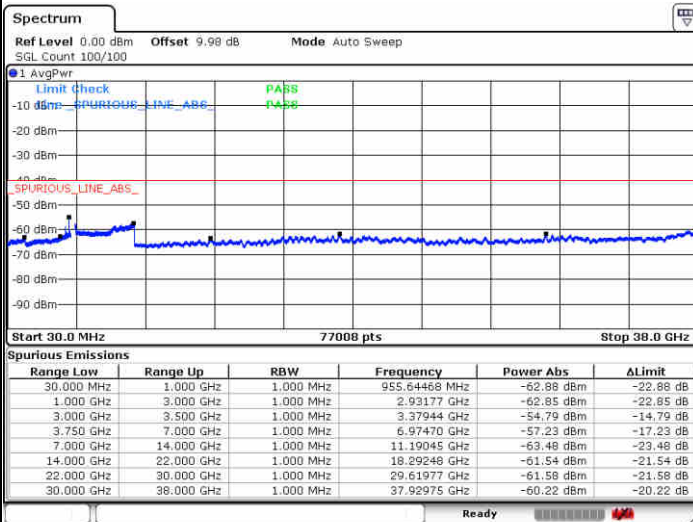


## LTE Band 48C / 10MHz+20MHz

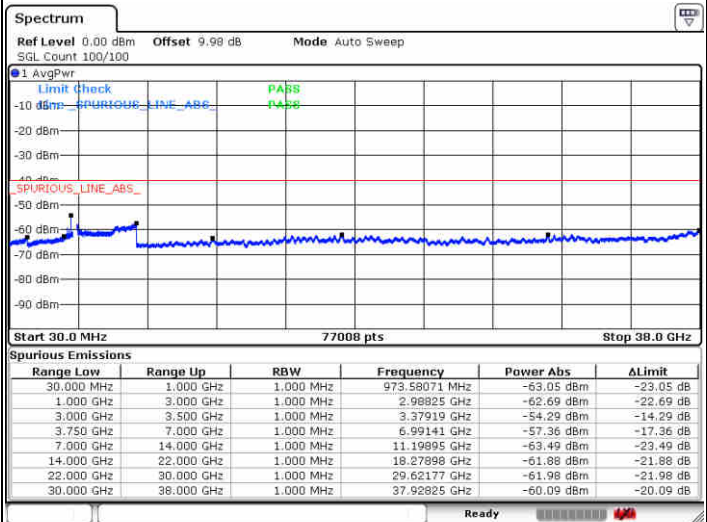
## 256QAM

## Lowest Channel / 1RB49 and 1RB0

## Middle Channel / 1RB49 and 1RB0



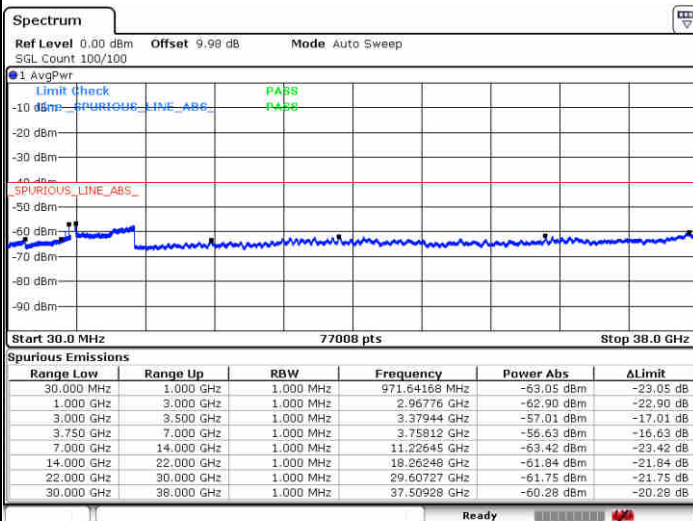
Date: 21 JUL 2020 21:02:54



Date: 21 JUL 2020 21:20:48

## Highest Channel / 1RB49 and 1RB0

N/A



Date: 21 JUL 2020 21:23:53

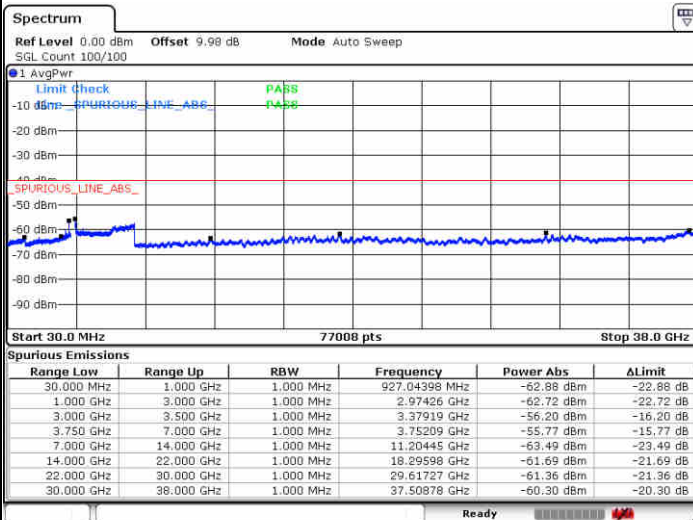


## LTE Band 48C / 15MHz+20MHz

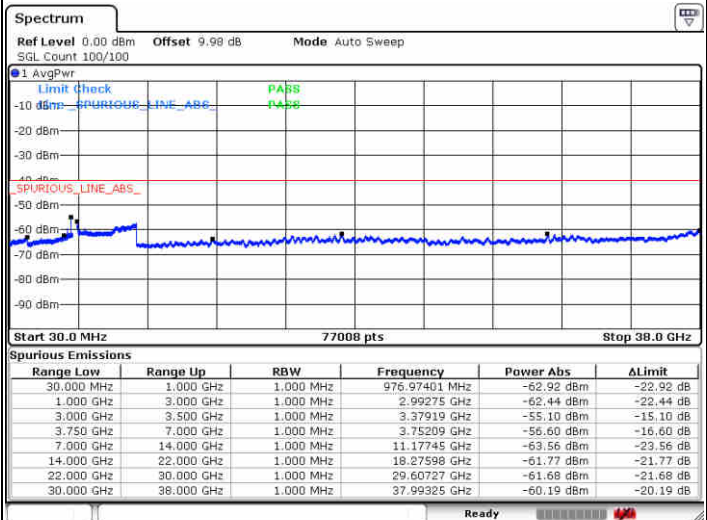
## 256QAM

## Lowest Channel / 1RB74 and 1RB0

## Middle Channel / 1RB74 and 1RB0



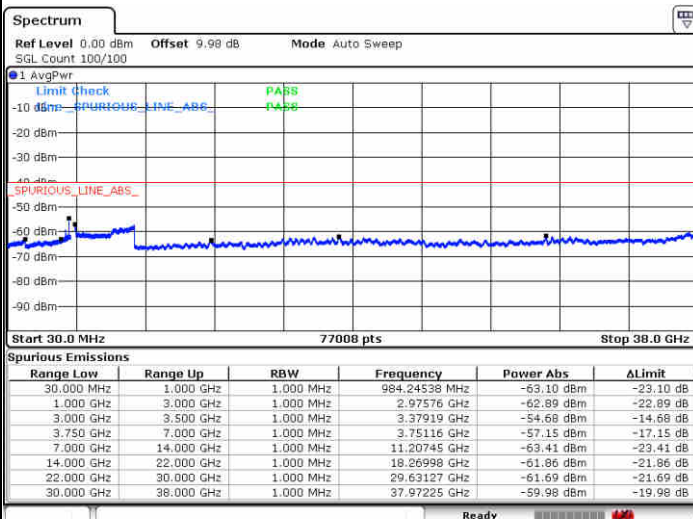
Date: 21 JUL 2020 21:13:17



Date: 21 JUL 2020 21:22:42

## Highest Channel / 1RB74 and 1RB0

N/A



Date: 21 JUL 2020 21:28:50

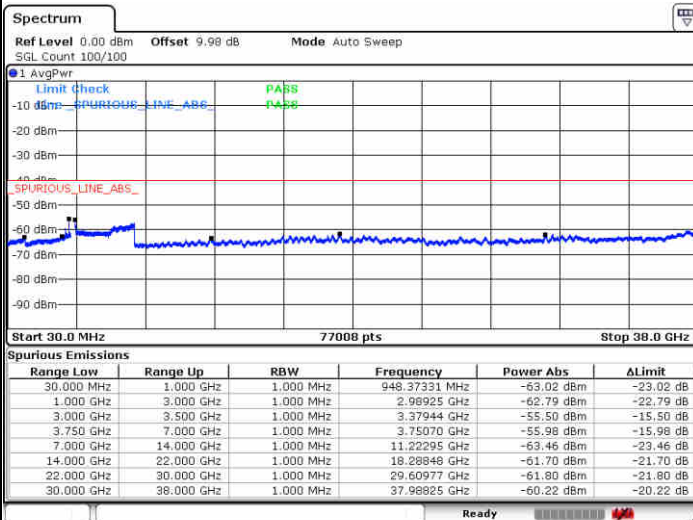


## LTE Band 48C / 20MHz+5MHz

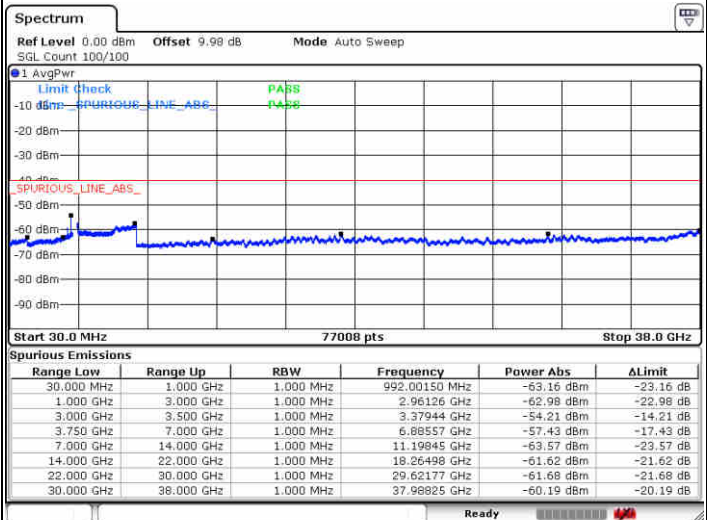
## 256QAM

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



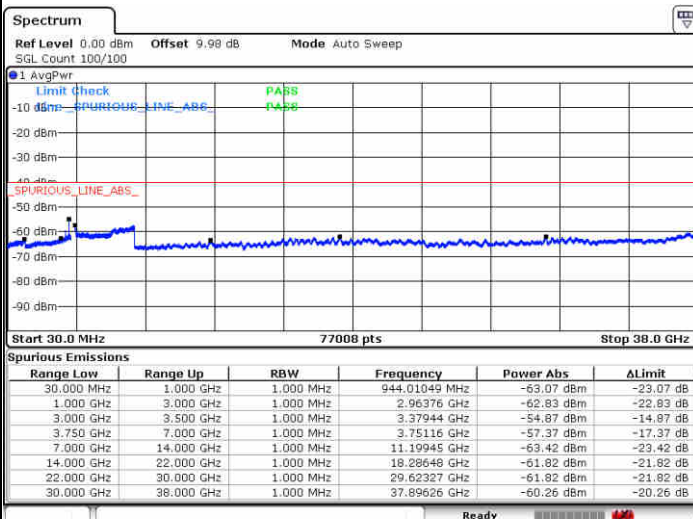
Date: 21 JUL 2020 21:04:27



Date: 21 JUL 2020 21:27:23

## Highest Channel / 1RB99 and 1RB0

N/A



Date: 21 JUL 2020 21:31:13

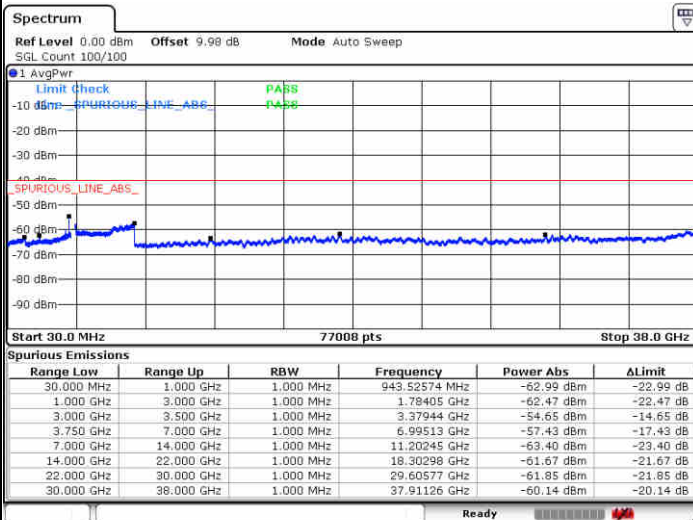


## LTE Band 48C / 20MHz+10MHz

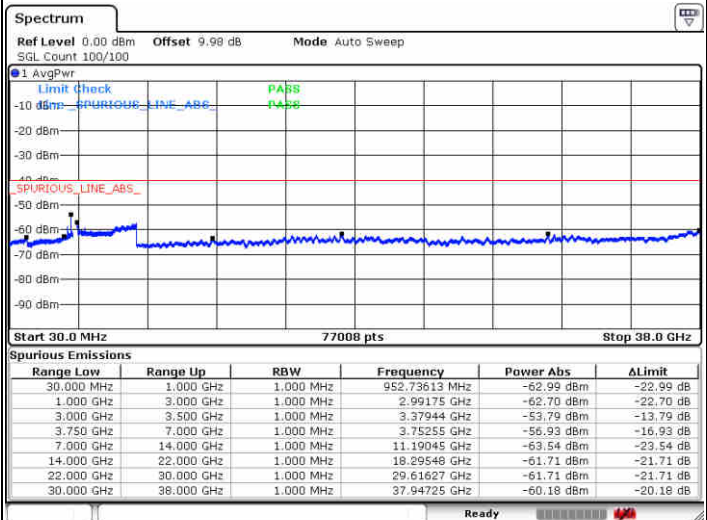
## 256QAM

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



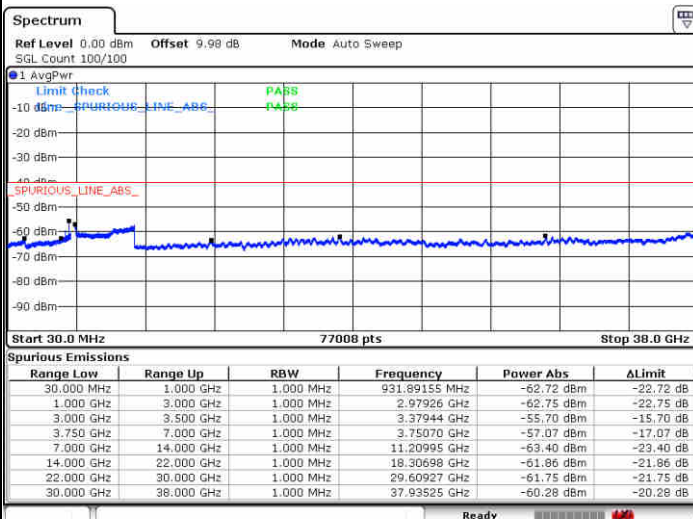
Date: 21 JUL 2020 21:15:04



Date: 21 JUL 2020 21:25:58

## Highest Channel / 1RB99 and 1RB0

## N/A



Date: 21 JUL 2020 21:30:19



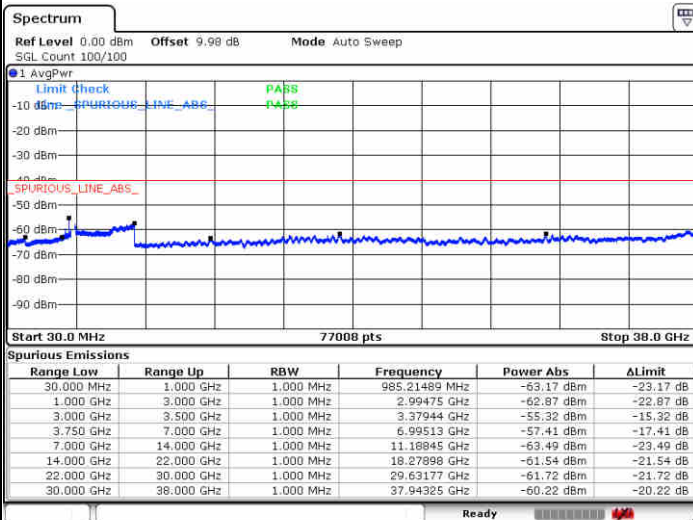


## LTE Band 48C / 20MHz+15MHz

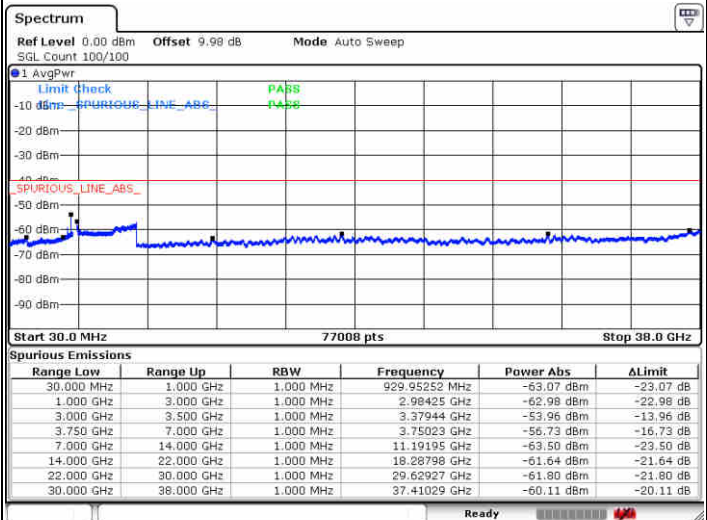
## 256QAM

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



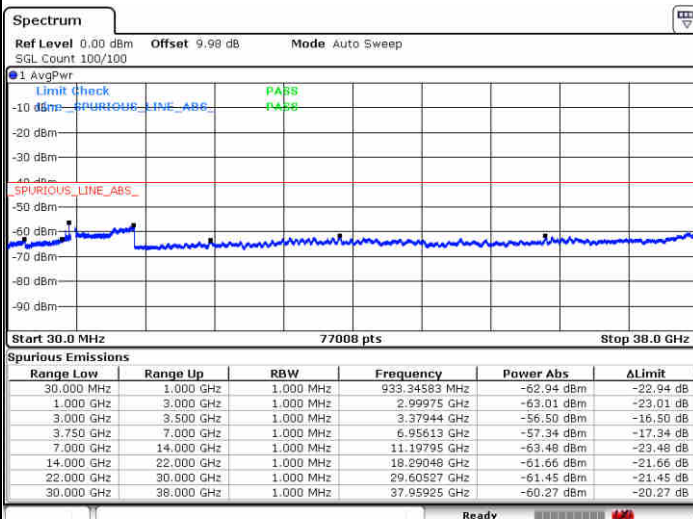
Date: 21 JUL 2020 21:10:37



Date: 21 JUL 2020 21:19:19

## Highest Channel / 1RB99 and 1RB0

N/A



Date: 21 JUL 2020 21:33:16

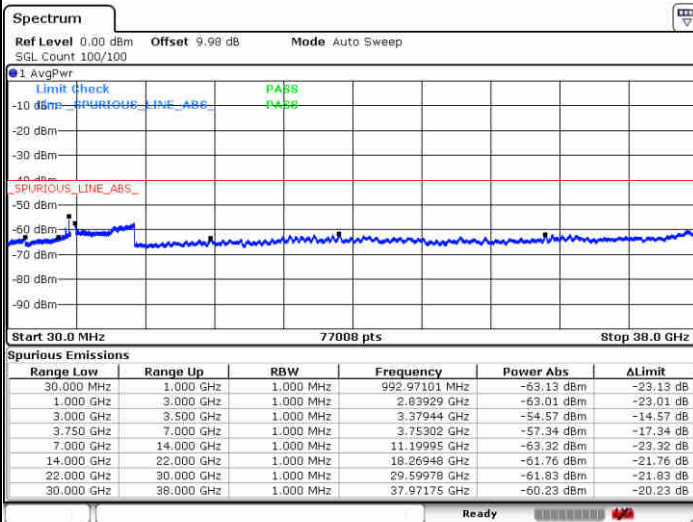


## LTE Band 48C / 20MHz+20MHz

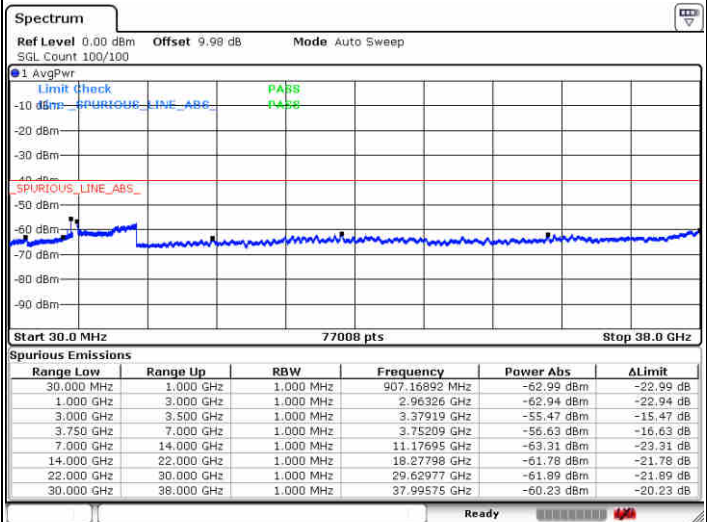
## 256QAM

## Lowest Channel / 1RB99 and 1RB0

## Middle Channel / 1RB99 and 1RB0



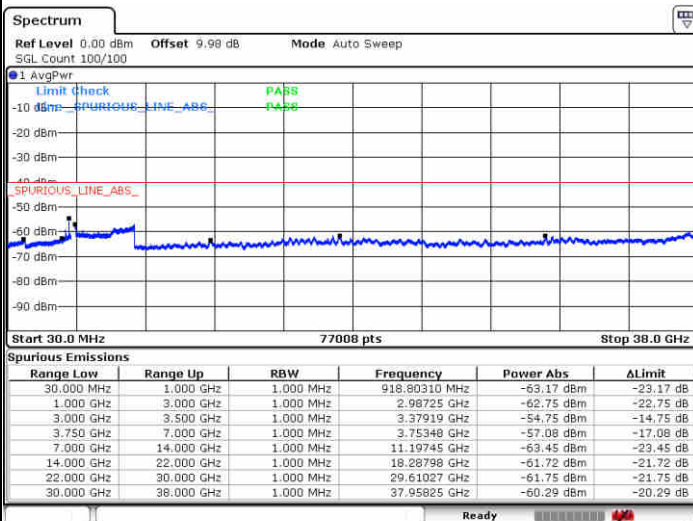
Date: 21 JUL 2020 21:01:21



Date: 21 JUL 2020 21:12:01

## Highest Channel / 1RB99 and 1RB0

N/A



Date: 21 JUL 2020 21:32:10

## 7. Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

| LTE Band 48 / 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) |
| Middle                     | 7230              | -44.77       | -40           | -4.77             | -56.23             | 2.84                 | 14.30                 | H                  |
|                            | 10848             | -45.86       | -40           | -5.86             | -55.80             | 3.49                 | 13.43                 | H                  |
|                            | 14466             | -53.63       | -40           | -13.63            | -63.87             | 3.85                 | 14.09                 | H                  |
|                            | 7230              | -50.72       | -40           | -10.72            | -62.18             | 2.84                 | 14.30                 | V                  |
|                            | 10848             | -53.24       | -40           | -13.24            | -63.18             | 3.49                 | 13.43                 | V                  |
|                            | 14466             | -52.91       | -40           | -12.91            | -63.15             | 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 |                   |              |               |                   |                    |                      |                       |                    |
|--------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                               | 7212              | -49.36       | -40           | -9.36             | -60.82             | 2.84                 | 14.30                 | H                  |
|                                      | 10818             | -51.49       | -40           | -11.49            | -61.43             | 3.49                 | 13.43                 | H                  |
|                                      | 14424             | -53.86       | -40           | -13.86            | -64.10             | 3.85                 | 14.09                 | H                  |
|                                      | 7212              | -56.94       | -40           | -16.94            | -68.40             | 2.84                 | 14.30                 | V                  |
|                                      | 10818             | -54.76       | -40           | -14.76            | -64.70             | 3.49                 | 13.43                 | V                  |
|                                      | 14424             | -52.85       | -40           | -12.85            | -63.09             | 3.85                 | 14.09                 | V                  |

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



## **8. Appendix C. Setup Photographs**