



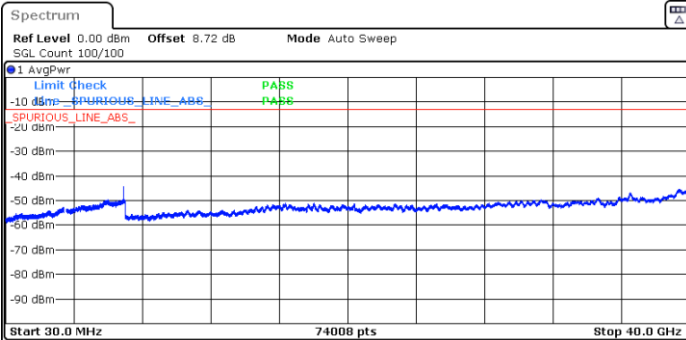
# Conducted Spurious Emission

## LTE Band 42/ 5MHz

### QPSK / 1RB0

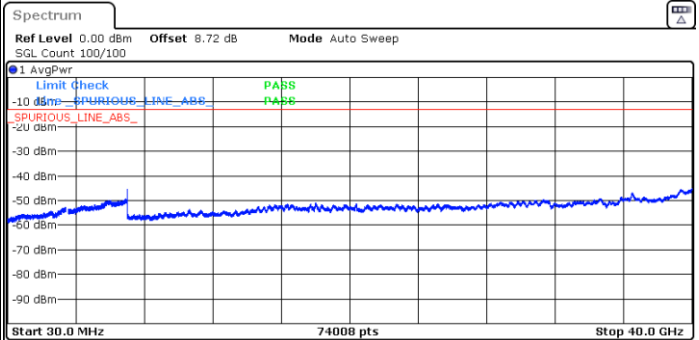
#### Lowest Channel

#### Middle Channel



| Range Low  | Range Up   | RBW       | Frequency     | Power Abs  | ΔLimit    |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz  | 1.000 MHz | 952.25137 MHz | -55.43 dBm | -42.43 dB |
| 1.000 GHz  | 3.425 GHz  | 1.000 MHz | 3.36530 GHz   | -52.87 dBm | -39.87 dB |
| 3.575 GHz  | 7.000 GHz  | 1.000 MHz | 6.90090 GHz   | -44.46 dBm | -31.46 dB |
| 7.000 GHz  | 10.000 GHz | 1.000 MHz | 9.24953 GHz   | -54.88 dBm | -41.88 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.93876 GHz  | -53.79 dBm | -40.79 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.39195 GHz  | -51.14 dBm | -38.14 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.02675 GHz  | -51.20 dBm | -38.20 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.99892 GHz  | -44.83 dBm | -31.83 dB |

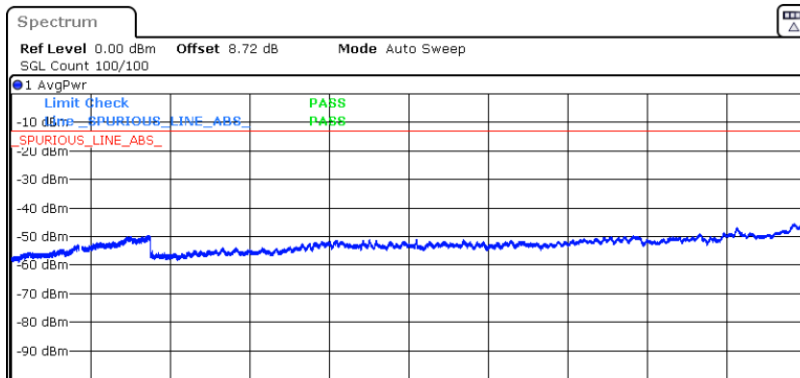
Date: 28 JUN.2023 04:43:00



| Range Low  | Range Up   | RBW       | Frequency     | Power Abs  | ΔLimit    |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz  | 1.000 MHz | 898.33333 MHz | -55.54 dBm | -42.54 dB |
| 1.000 GHz  | 3.425 GHz  | 1.000 MHz | 3.36572 GHz   | -52.80 dBm | -39.80 dB |
| 3.575 GHz  | 7.000 GHz  | 1.000 MHz | 6.99593 GHz   | -45.58 dBm | -32.58 dB |
| 7.000 GHz  | 10.000 GHz | 1.000 MHz | 9.97994 GHz   | -54.80 dBm | -41.80 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99225 GHz  | -53.67 dBm | -40.67 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.38545 GHz  | -51.29 dBm | -38.29 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 18.03375 GHz  | -50.94 dBm | -37.94 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.99097 GHz  | -45.00 dBm | -32.00 dB |

Date: 28 JUN.2023 04:44:20

#### Highest Channel



| Range Low  | Range Up   | RBW       | Frequency     | Power Abs  | ΔLimit    |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz  | 1.000 MHz | 969.70265 MHz | -55.51 dBm | -42.51 dB |
| 1.000 GHz  | 3.425 GHz  | 1.000 MHz | 3.36591 GHz   | -52.76 dBm | -39.76 dB |
| 3.575 GHz  | 7.000 GHz  | 1.000 MHz | 6.90304 GHz   | -49.56 dBm | -36.56 dB |
| 7.000 GHz  | 10.000 GHz | 1.000 MHz | 9.90682 GHz   | -54.78 dBm | -41.78 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.93626 GHz  | -53.71 dBm | -40.71 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.35046 GHz  | -51.42 dBm | -38.42 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 20.39812 GHz  | -51.09 dBm | -38.09 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.99747 GHz  | -45.00 dBm | -32.00 dB |

Date: 28 JUN.2023 04:45:45

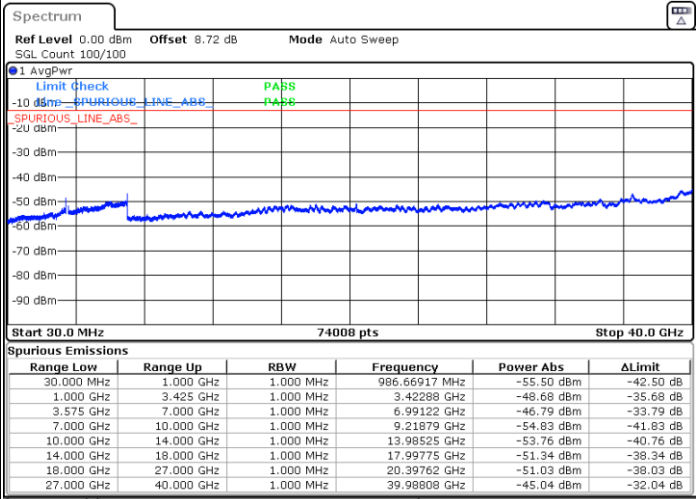
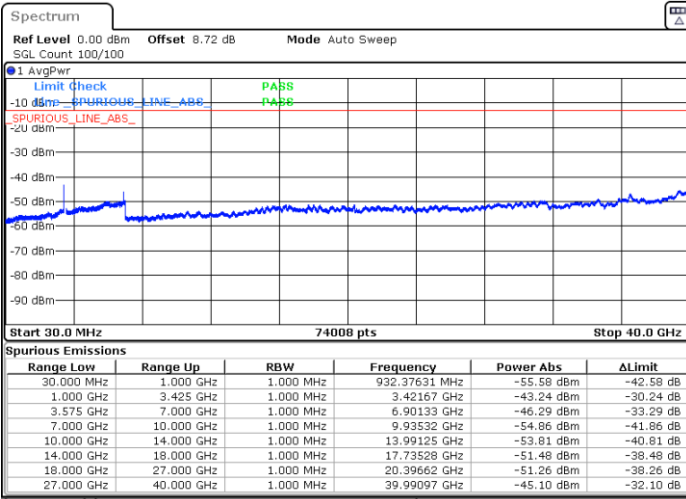


LTE Band 42/ 10MHz

QPSK / 1RB0

Lowest Channel

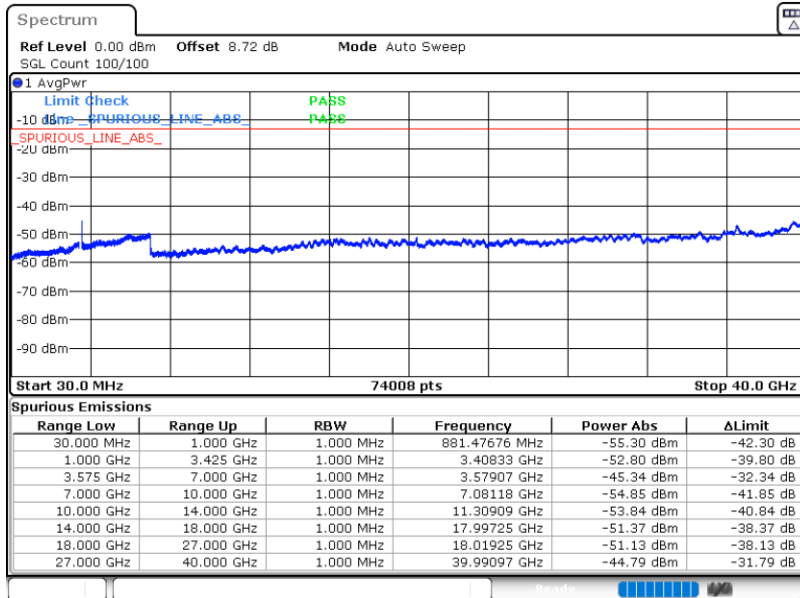
Middle Channel



Date: 28.JUN.2023 04:47:11

Date: 28.JUN.2023 04:48:36

Highest Channel



Date: 28.JUN.2023 04:50:02

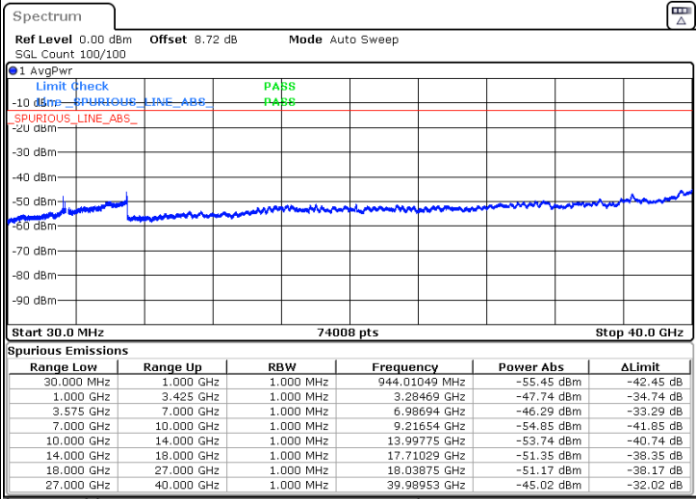
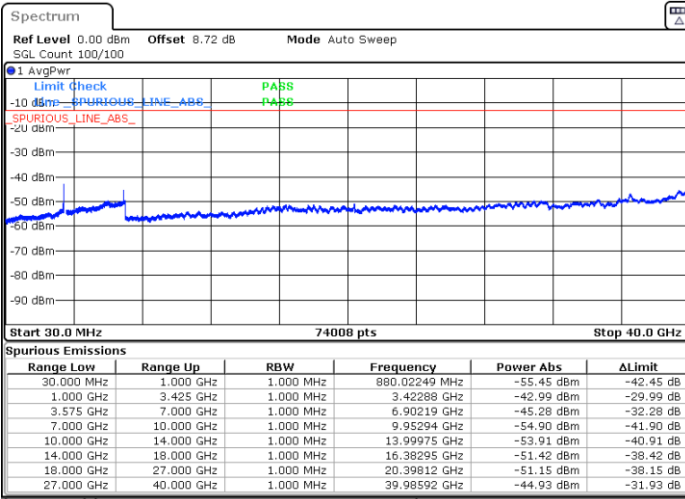


LTE Band 42/ 15MHz

QPSK / 1RB0

Lowest Channel

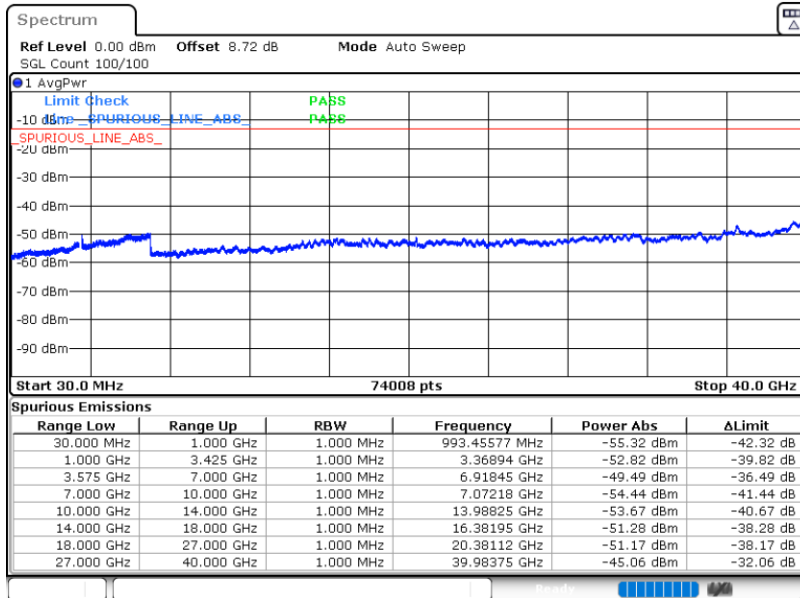
Middle Channel



Date: 28.JUN.2023 04:51:27

Date: 28.JUN.2023 04:52:52

Highest Channel



Date: 28.JUN.2023 04:54:17

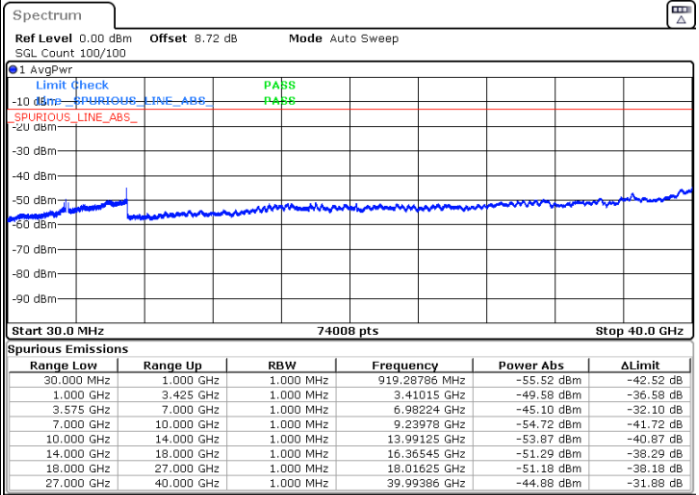
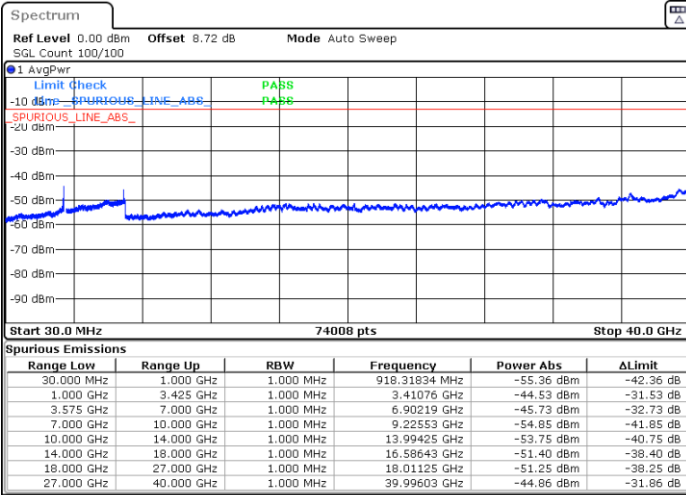


LTE Band 42/ 20MHz

QPSK / 1RB0

Lowest Channel

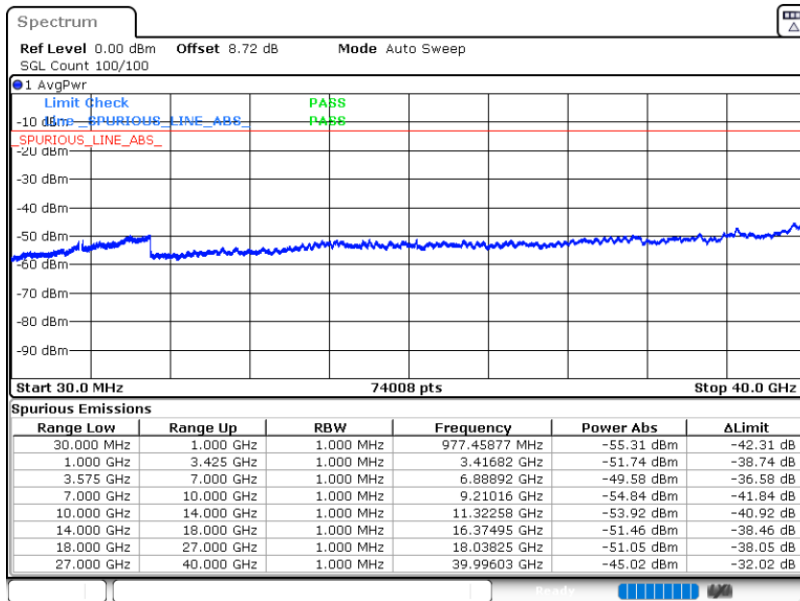
Middle Channel



Date: 28 JUN.2023 04:55:43

Date: 28 JUN.2023 04:57:08

Highest Channel



Date: 28 JUN.2023 04:58:33

## Frequency Stability

| Test Conditions  |                   | LTE Band 42 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 5MHz                             | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0021                              | PASS    |
| 40               | Normal Voltage    | 0.0012                              |         |
| 30               | Normal Voltage    | 0.0016                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0011                              |         |
| 0                | Normal Voltage    | 0.0008                              |         |
| -10              | Normal Voltage    | 0.0019                              |         |
| -20              | Normal Voltage    | 0.0023                              |         |
| -30              | Normal Voltage    | 0.0018                              |         |
| 20               | Maximum Voltage   | 0.0019                              |         |
| 20               | Normal Voltage    | 0.0005                              |         |
| 20               | Battery End Point | 0.0013                              |         |

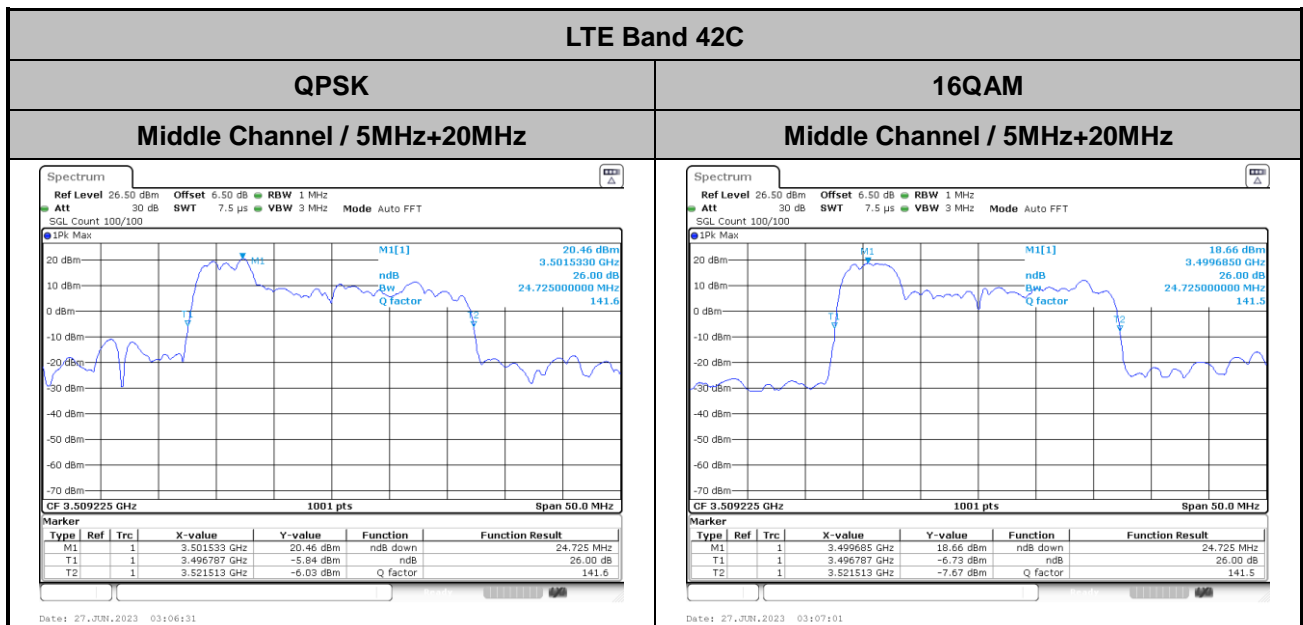
**Note:**

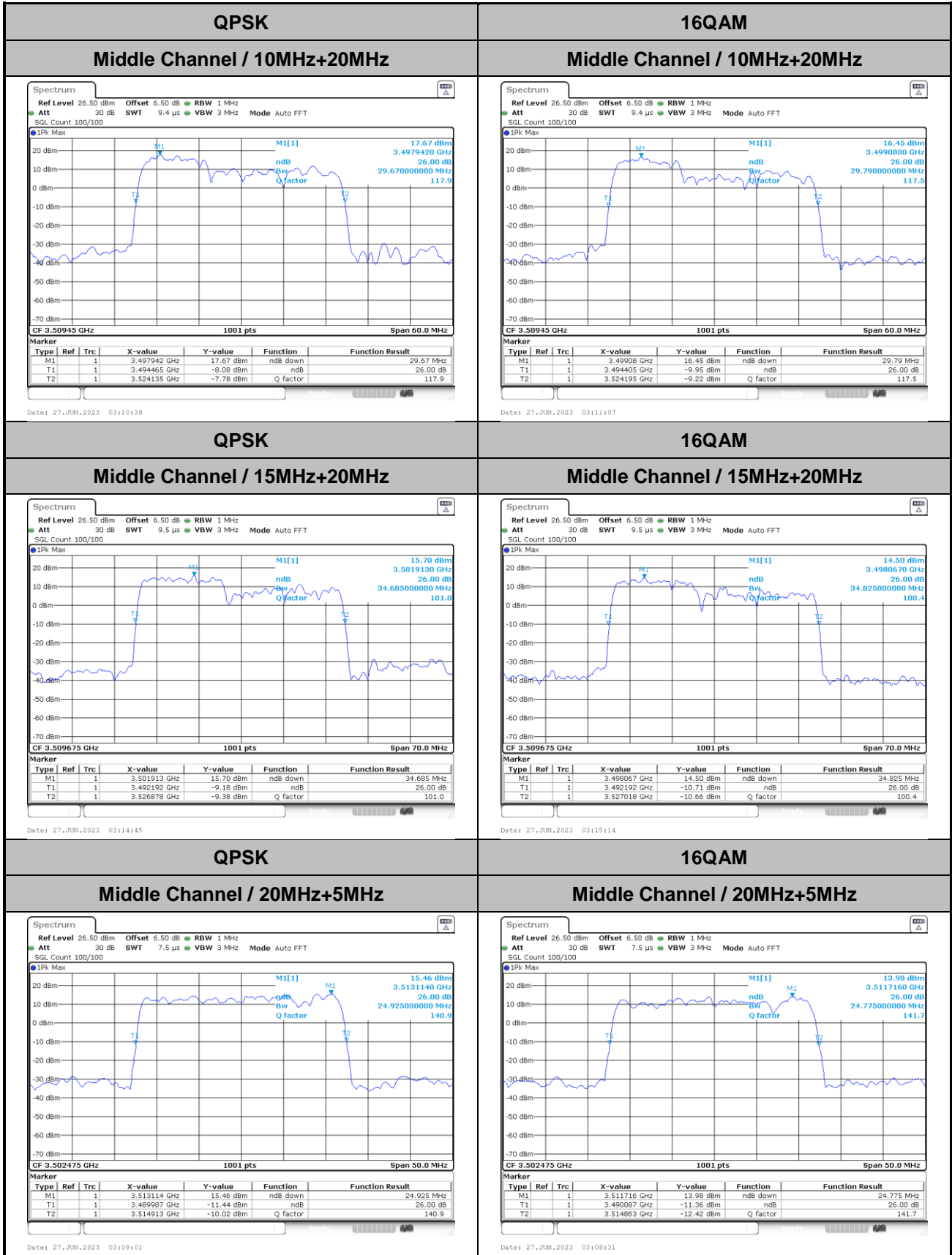
1. Normal Voltage =3.91 ; Battery End Point (BEP) =3.5 ; Maximum Voltage =4.5
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

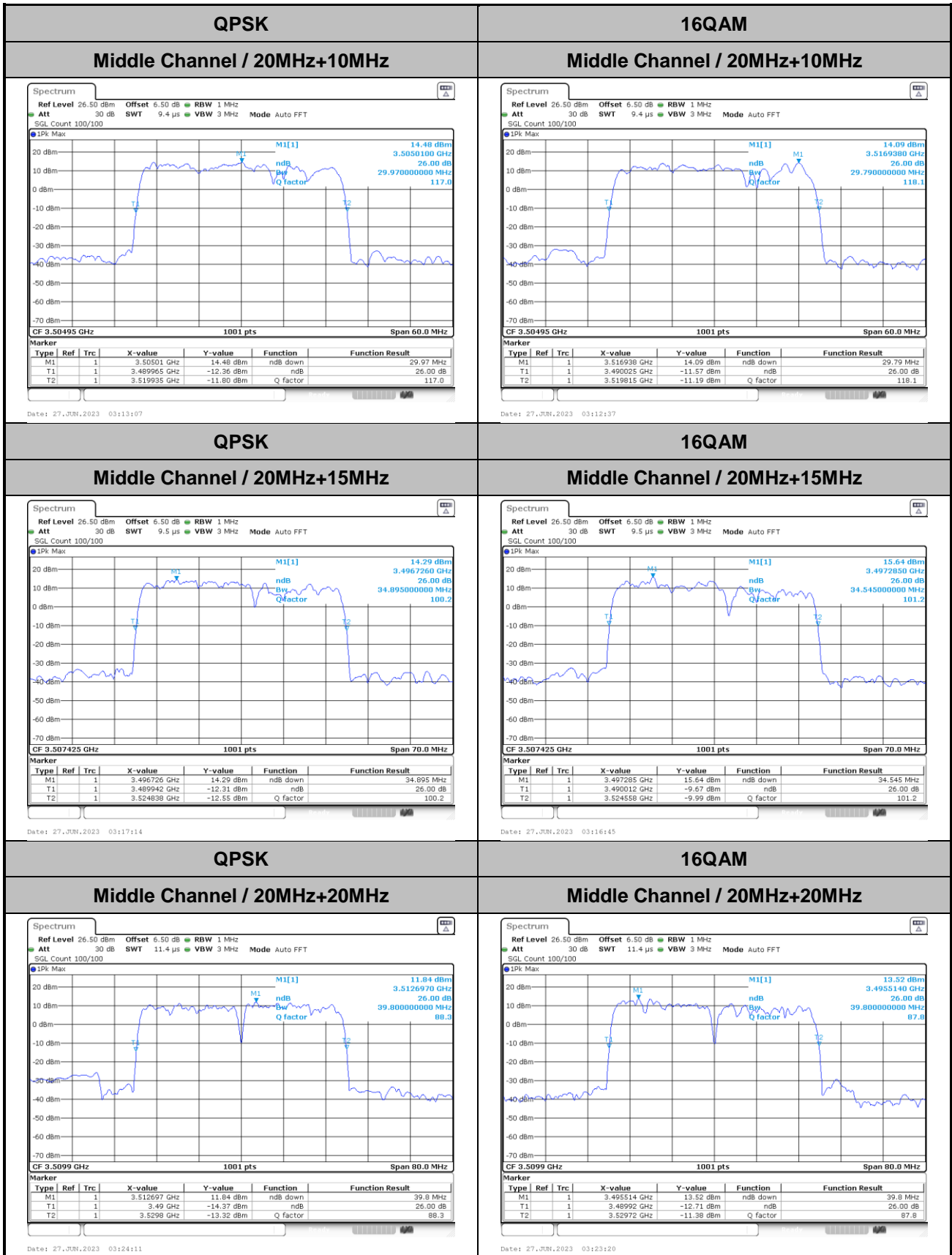
# LTE Band CA\_42C

## 26dB Bandwidth

| Mode      | LTE Band 42C : 26dB BW(MHz) |             |
|-----------|-----------------------------|-------------|
| Mod.      | QPSK                        | 16QAM       |
| BW        | 5MHz+20MHz                  | 5MHz+20MHz  |
| Middle CH | 24.73                       | 24.73       |
| BW        | 10MHz+20MHz                 | 10MHz+20MHz |
| Middle CH | 29.67                       | 29.79       |
| BW        | 15MHz+20MHz                 | 15MHz+20MHz |
| Middle CH | 34.69                       | 34.83       |
| BW        | 20MHz+5MHz                  | 20MHz+5MHz  |
| Middle CH | 24.93                       | 24.78       |
| BW        | 20MHz+10MHz                 | 20MHz+10MHz |
| Middle CH | 29.97                       | 29.79       |
| BW        | 20MHz+15MHz                 | 20MHz+15MHz |
| Middle CH | 34.90                       | 34.55       |
| BW        | 20MHz+20MHz                 | 20MHz+20MHz |
| Middle CH | 39.80                       | 39.80       |





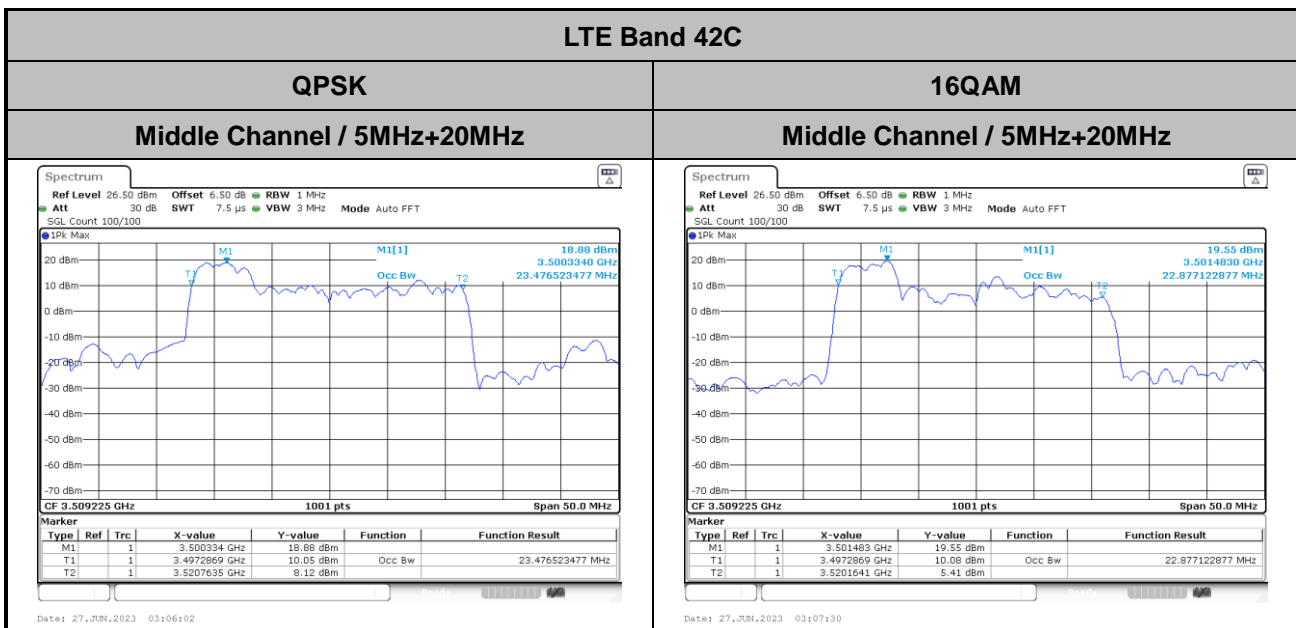


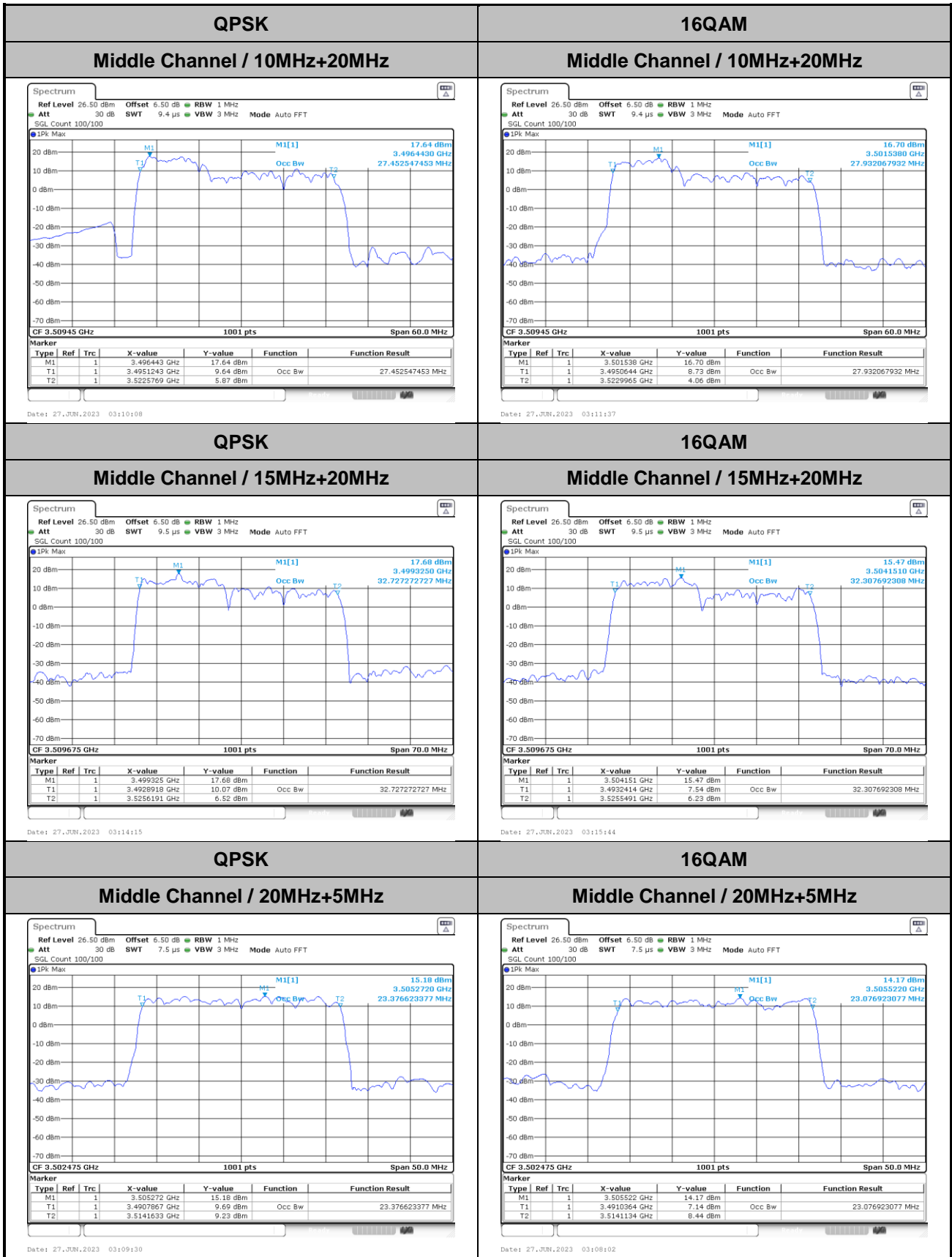


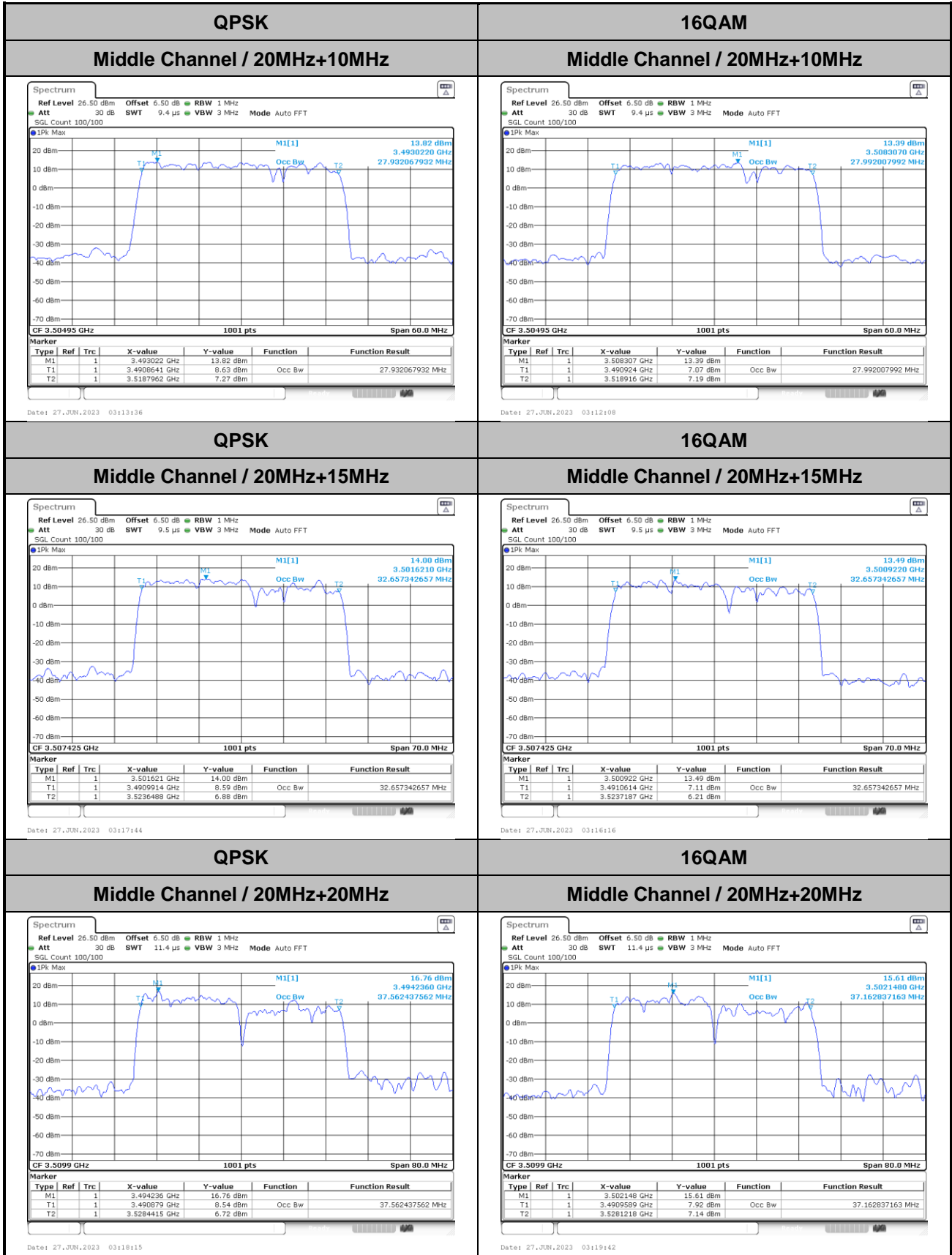


### Occupied Bandwidth

| LTE Band 42C : 99%OBW(MHz) |             |             |
|----------------------------|-------------|-------------|
| Mode                       |             |             |
| Mod.                       | QPSK        | 16QAM       |
| BW                         | 5MHz+20MHz  | 5MHz+20MHz  |
| Middle CH                  | 23.48       | 22.88       |
| BW                         | 10MHz+20MHz | 10MHz+20MHz |
| Middle CH                  | 27.45       | 27.93       |
| BW                         | 15MHz+20MHz | 15MHz+20MHz |
| Middle CH                  | 32.73       | 32.31       |
| BW                         | 20MHz+5MHz  | 20MHz+5MHz  |
| Middle CH                  | 23.38       | 23.08       |
| BW                         | 20MHz+10MHz | 20MHz+10MHz |
| Middle CH                  | 27.93       | 27.99       |
| BW                         | 20MHz+15MHz | 20MHz+15MHz |
| Middle CH                  | 32.66       | 32.66       |
| BW                         | 20MHz+20MHz | 20MHz+20MHz |
| Middle CH                  | 37.56       | 37.16       |







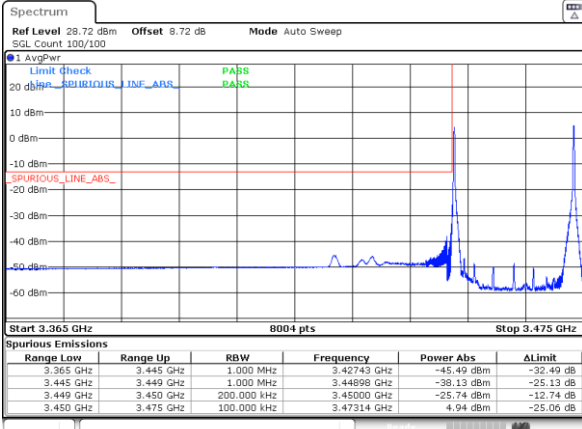


# Conducted Band Edge

## LTE Band 42C / 5MHz+20MHz

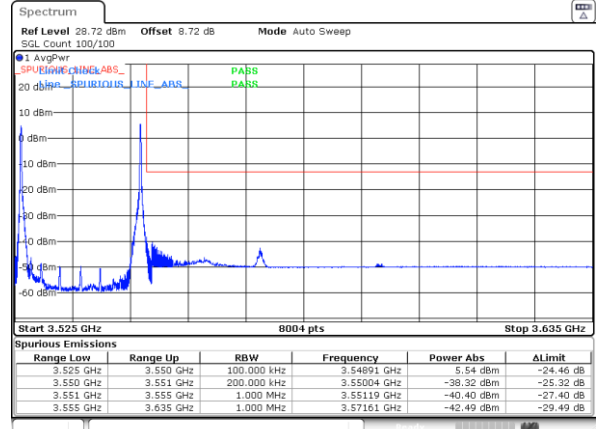
### QPSK

#### Lowest Band Edge / 1RB0 and 1RB99



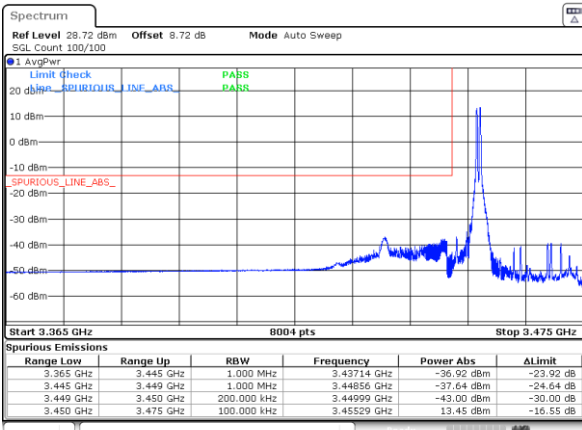
Date: 26 JUN 2023 23:26:13

#### Highest Band Edge / 1RB0 and 1RB99



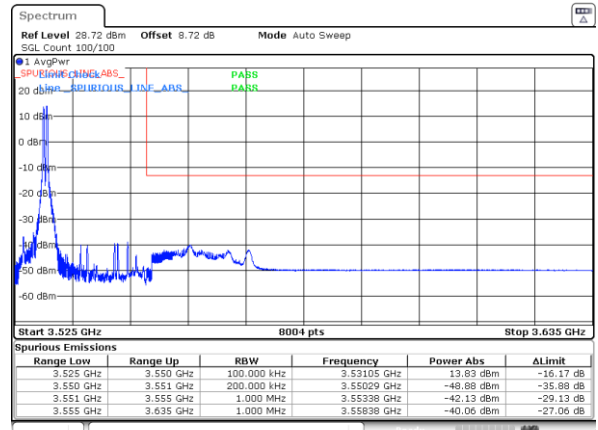
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#### Lowest Band Edge / 1RB24 and 1RB0



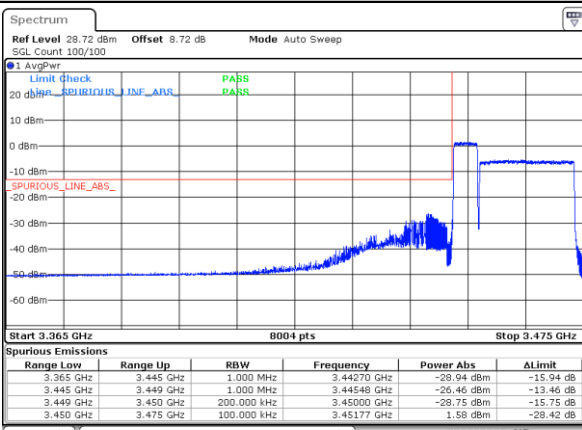
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#### Highest Band Edge / 1RB24 and 1RB0



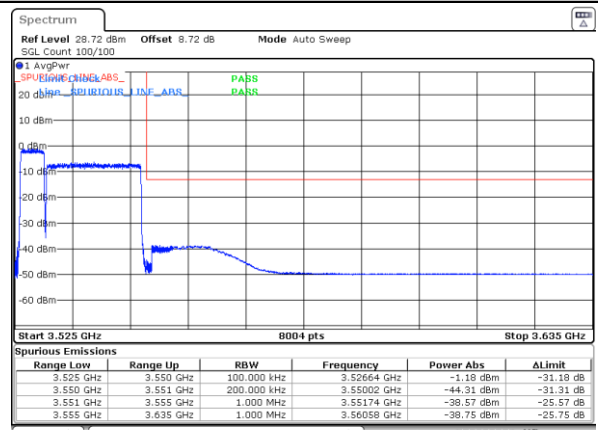
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#### Lowest Band Edge / Full RB



Date: 27 JUN 2023 21:41:12

#### Highest Band Edge / Full RB



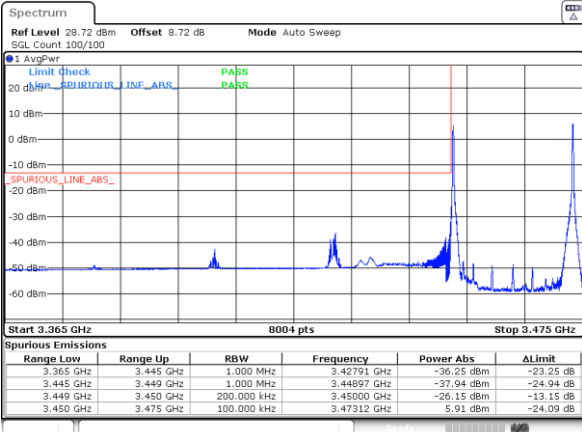
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LTE Band 42C / 5MHz+20MHz

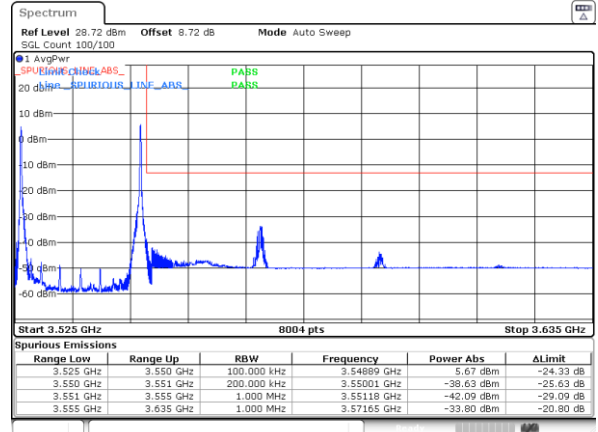
16QAM

Lowest Band Edge / 1RB0 and 1RB9



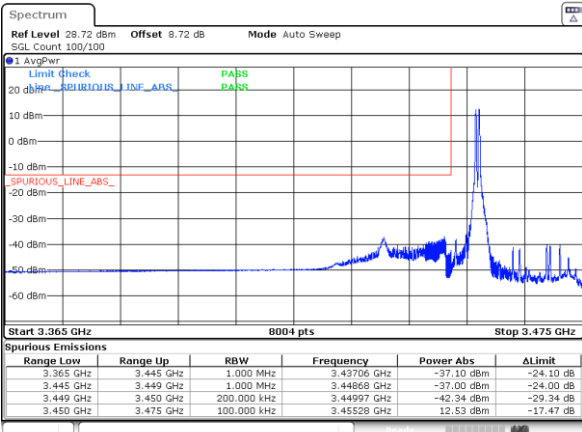
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Highest Band Edge / 1RB0 and 1RB9



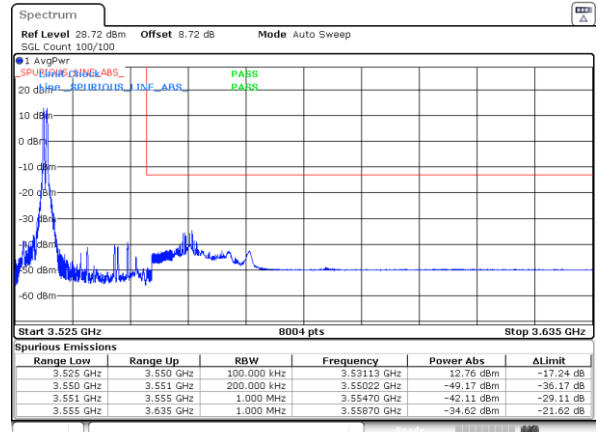
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Lowest Band Edge / 1RB24 and 1RB0



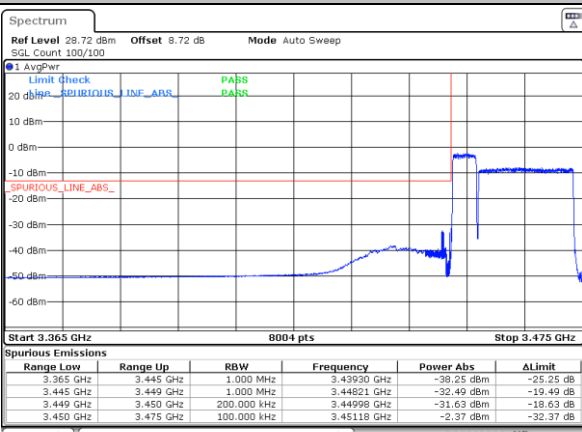
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Highest Band Edge / 1RB24 and 1RB0



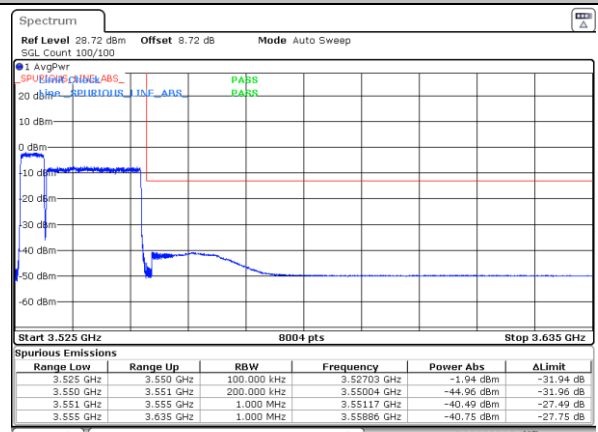
Date: 26 JUN 2023 23:41:57

Lowest Band Edge / Full RB



Date: 26 JUN 2023 23:20:31

Highest Band Edge / Full RB



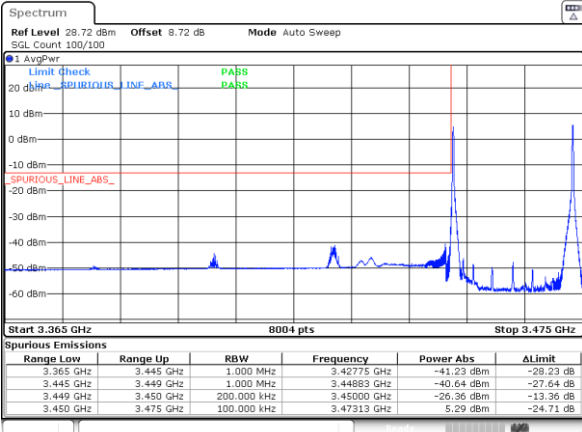
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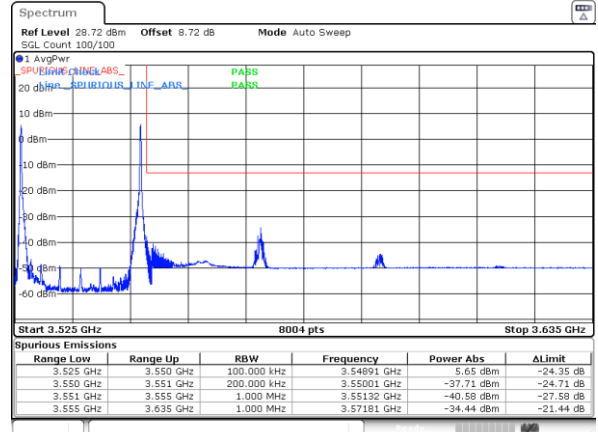
LTE Band 42C / 5MHz+20MHz

64QAM

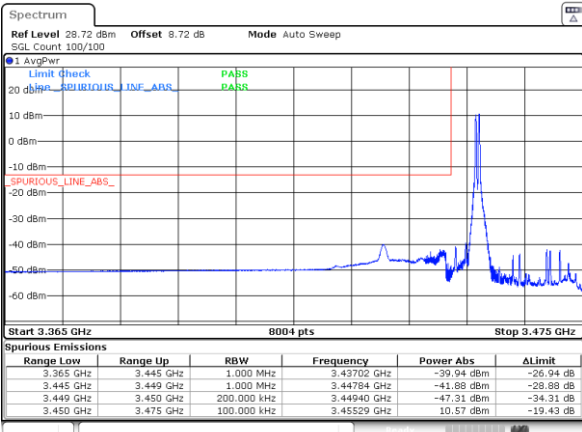
Lowest Band Edge / 1RB0 and 1RB9



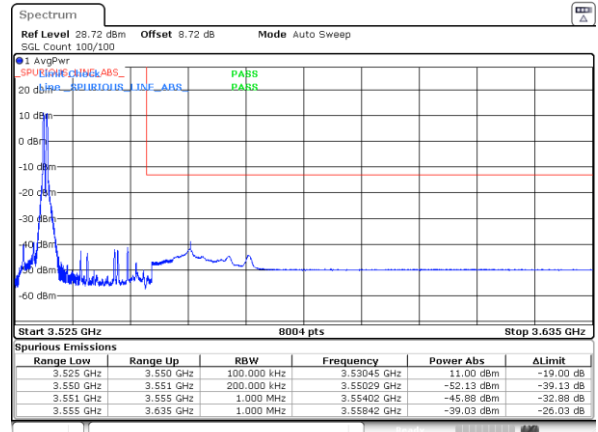
Highest Band Edge / 1RB0 and 1RB9



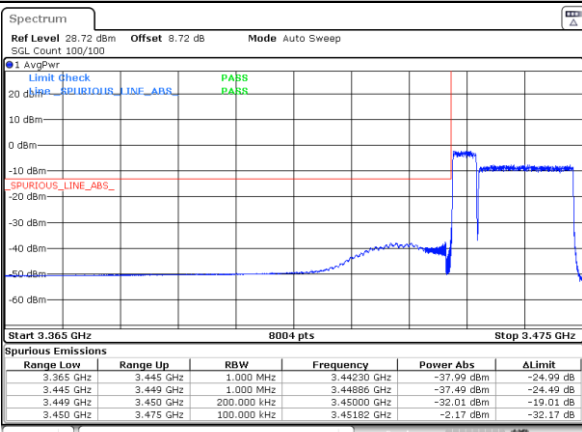
Lowest Band Edge / 1RB24 and 1RB0



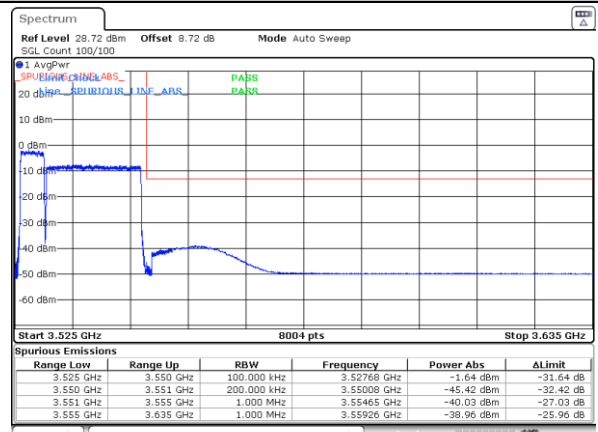
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



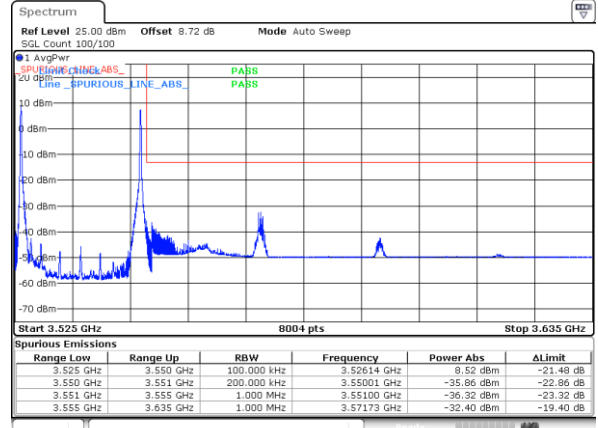
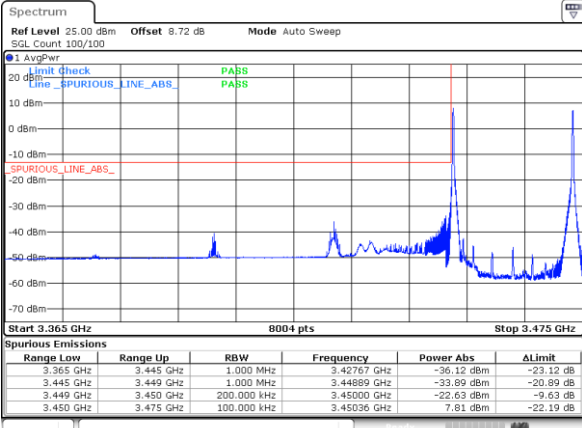


LTE Band 42C / 5MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

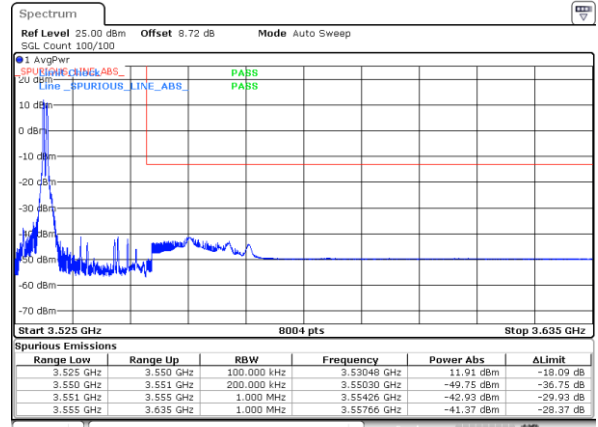
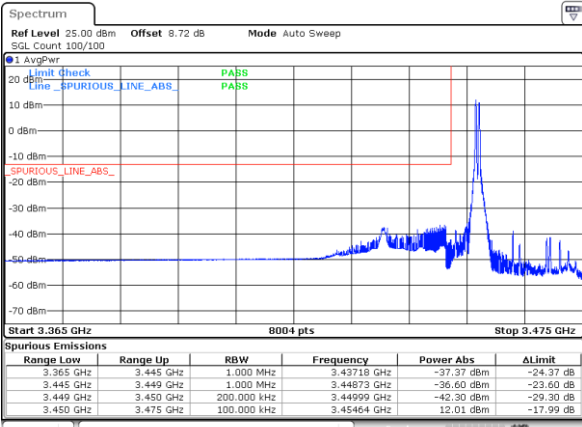


Date: 21.JUL.2023 20:03:46

Date: 21.JUL.2023 20:09:28

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

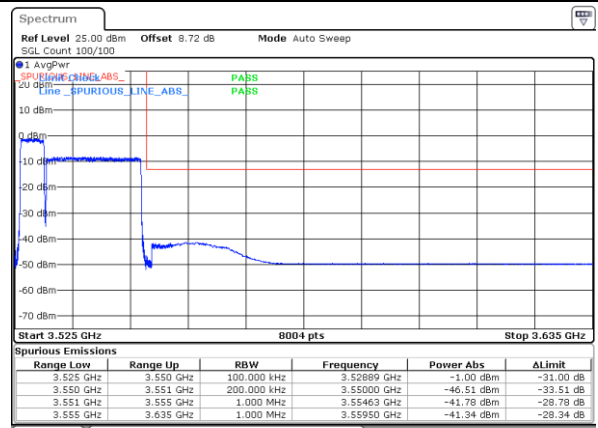
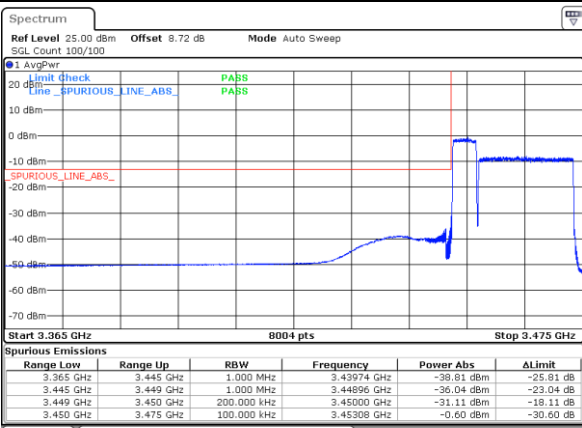


Date: 21.JUL.2023 20:04:55

Date: 21.JUL.2023 20:09:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JUL.2023 20:06:04

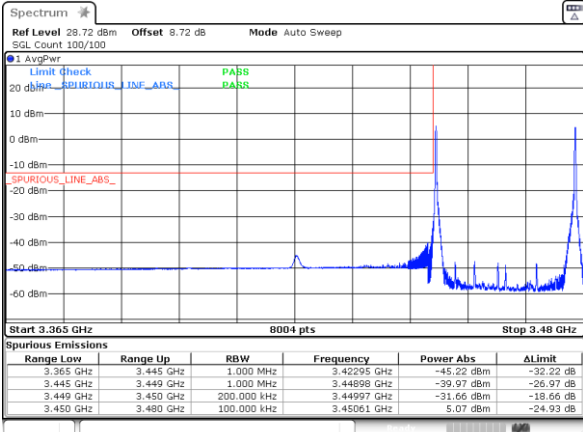
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LTE Band 42C / 10MHz+20MHz

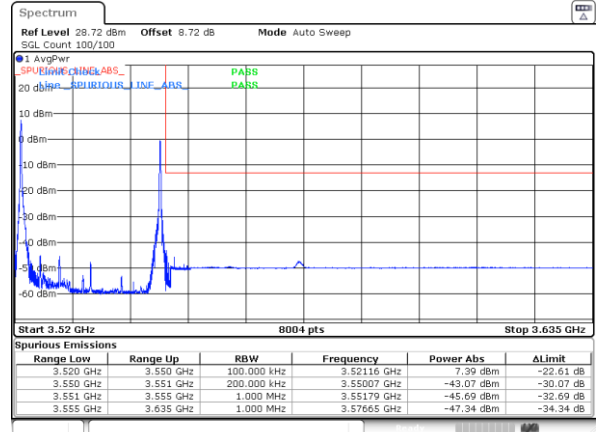
QPSK

Lowest Band Edge / 1RB0 and 1RB9



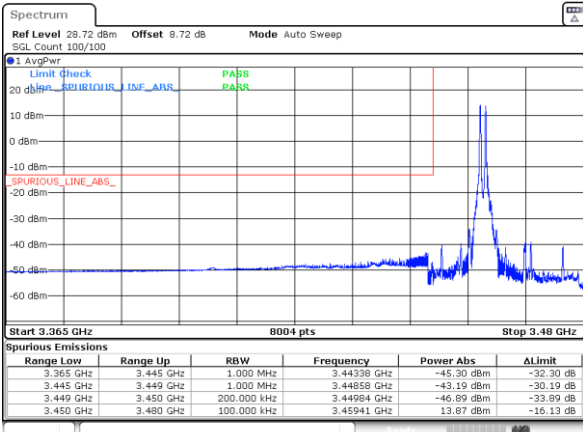
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Highest Band Edge / 1RB0 and 1RB9



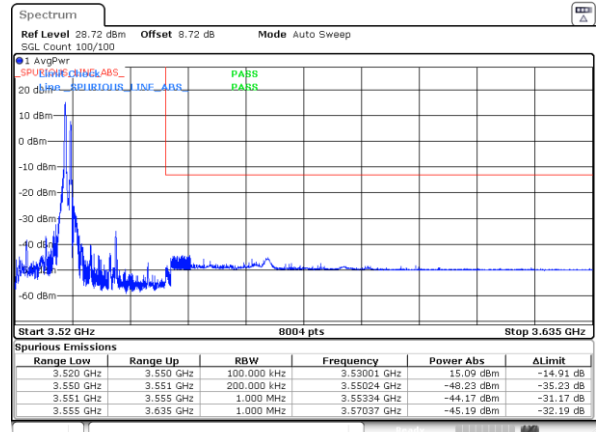
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Lowest Band Edge / 1RB49 and 1RB0



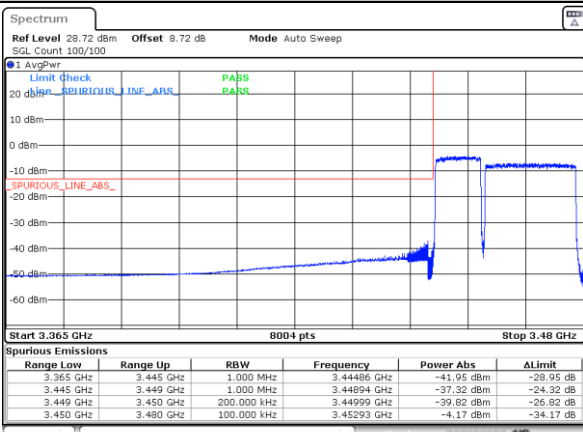
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Highest Band Edge / 1RB49 and 1RB0



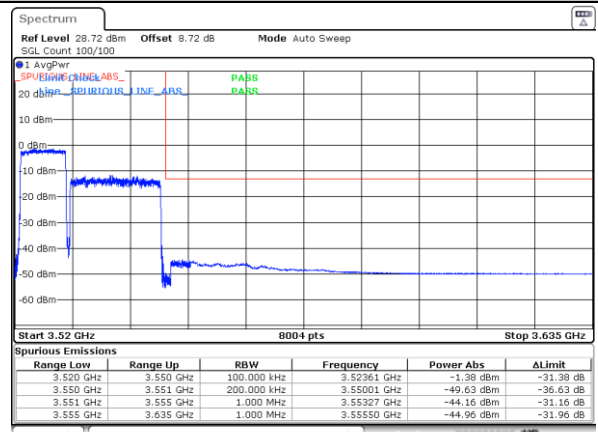
Date: 27 JUN 2023 00:31:59

Lowest Band Edge / Full RB



Date: 27 JUN 2023 03:40:26

Highest Band Edge / Full RB



Date: 27 JUN 2023 00:23:28



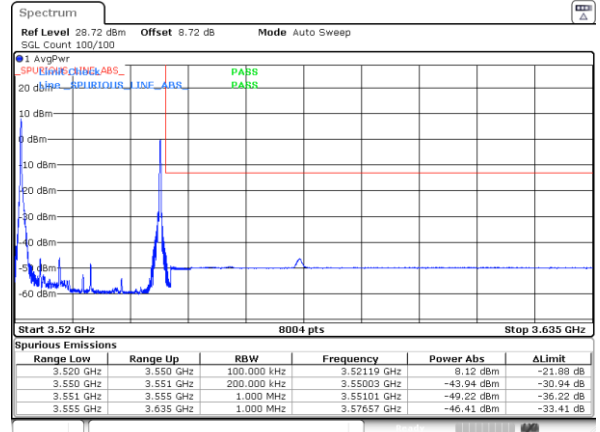
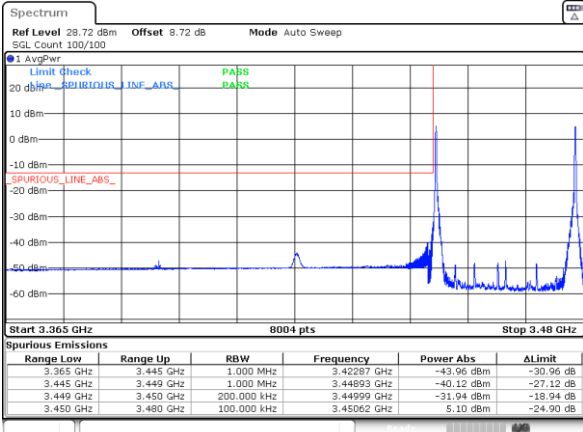


LTE Band 42C / 10MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

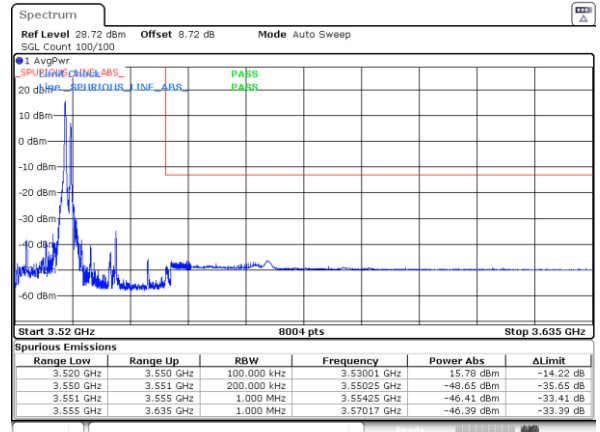
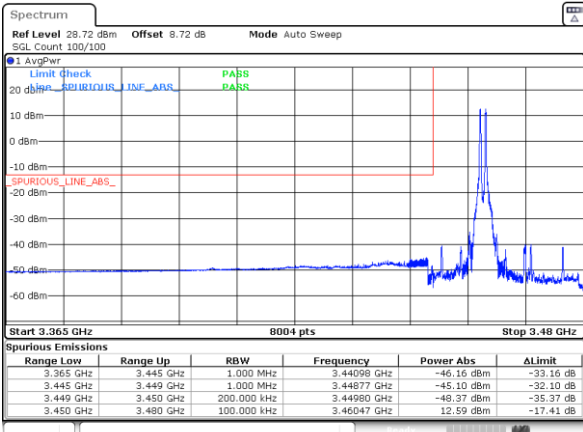


Date: 27 JUN 2023 03:31:40

Date: 27 JUN 2023 00:29:09

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

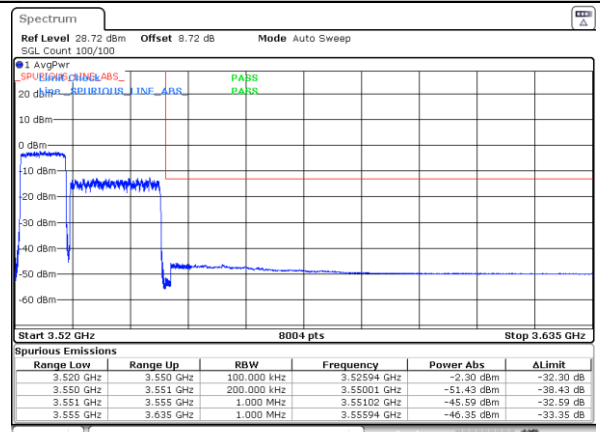
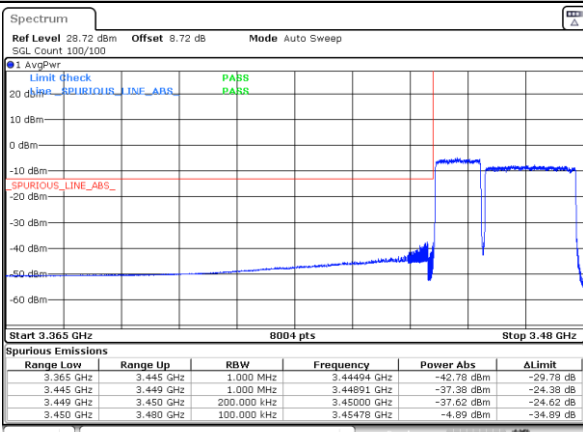


Date: 27 JUN 2023 03:35:19

Date: 27 JUN 2023 00:33:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27 JUN 2023 03:39:06

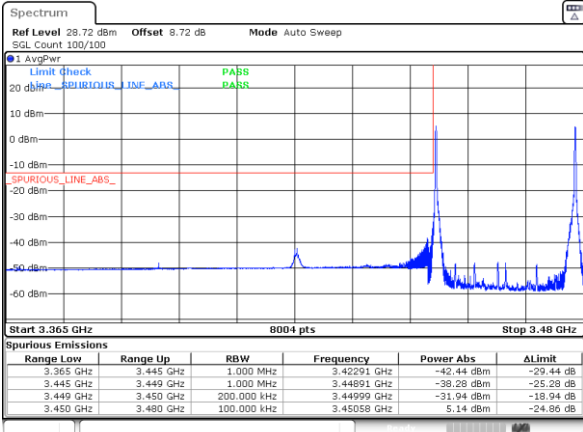
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LTE Band 42C / 10MHz+20MHz

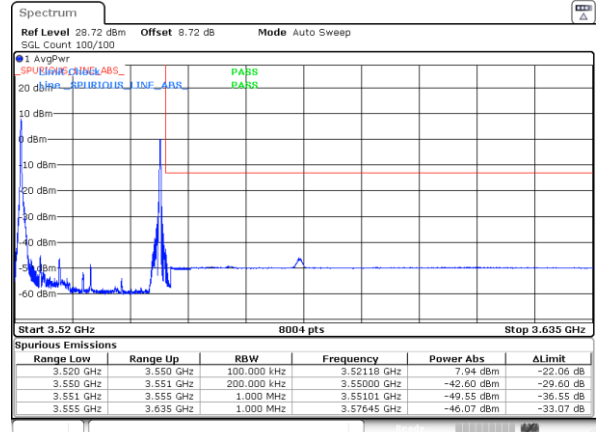
64QAM

Lowest Band Edge / 1RB0 and 1RB9



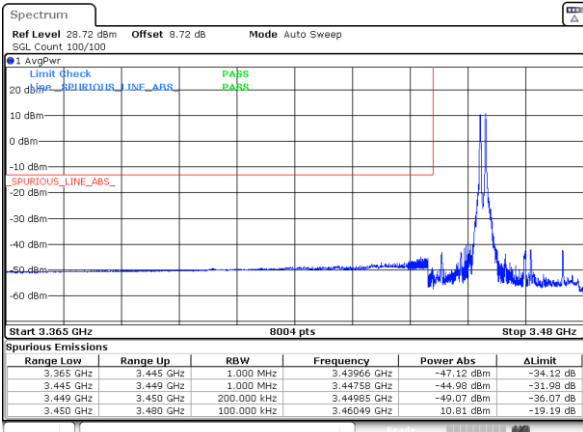
Date: 27 JUN 2023 03:32:38

Highest Band Edge / 1RB0 and 1RB9



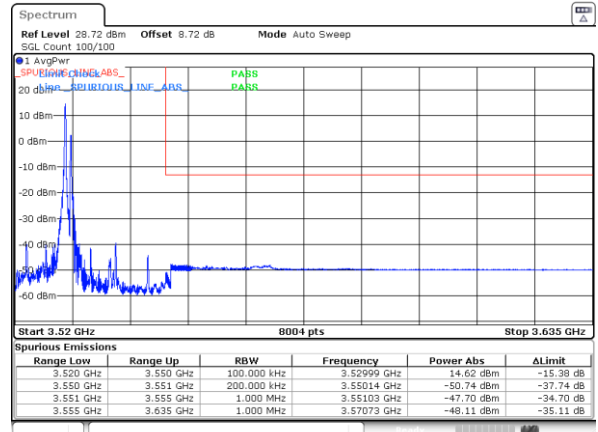
Date: 27 JUN 2023 00:27:44

Lowest Band Edge / 1RB49 and 1RB0



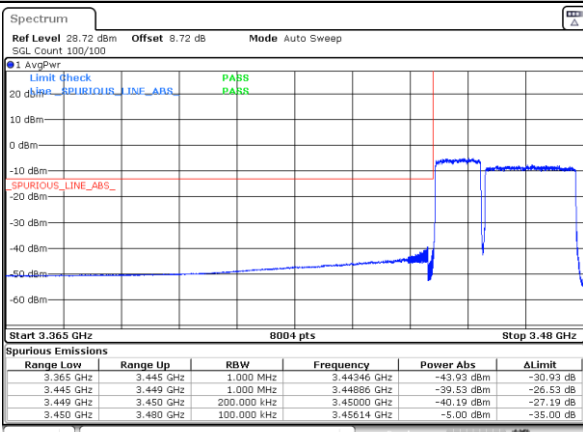
Date: 27 JUN 2023 03:33:53

Highest Band Edge / 1RB49 and 1RB0



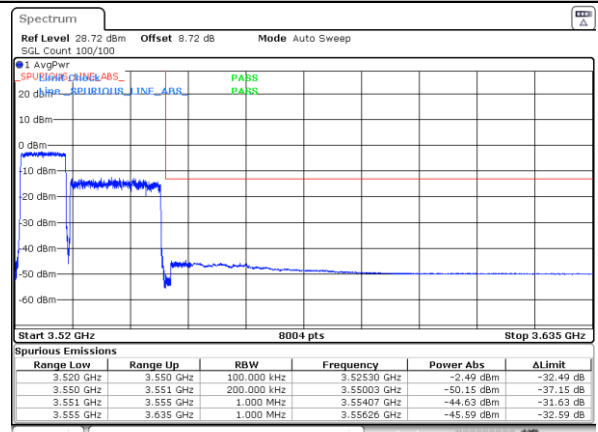
Date: 27 JUN 2023 00:34:49

Lowest Band Edge / Full RB



Date: 27 JUN 2023 03:37:54

Highest Band Edge / Full RB



Date: 27 JUN 2023 00:26:18

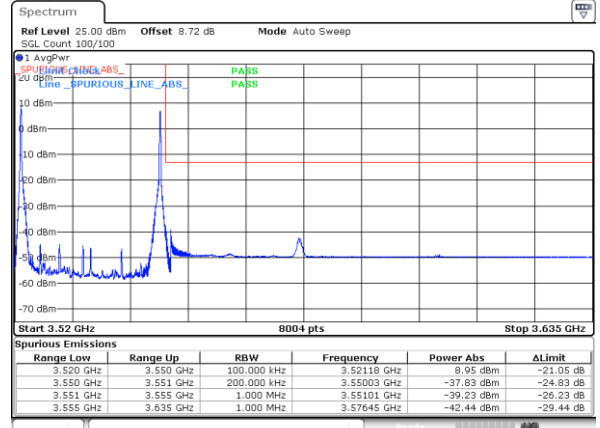
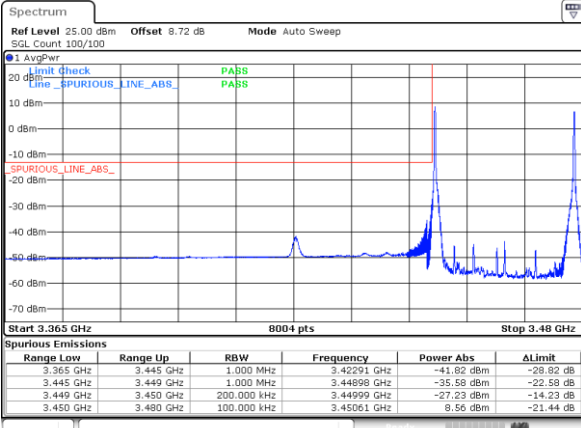


LTE Band 42C / 10MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

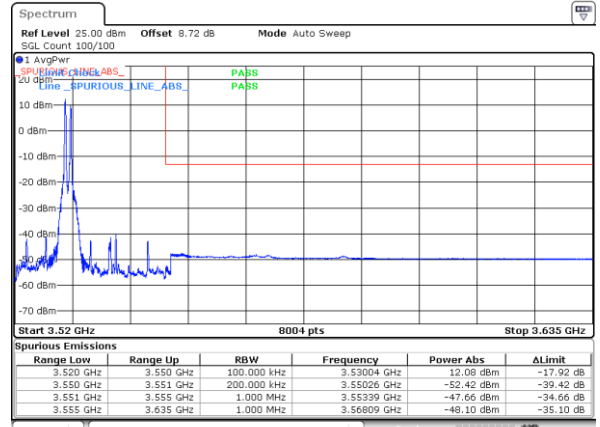
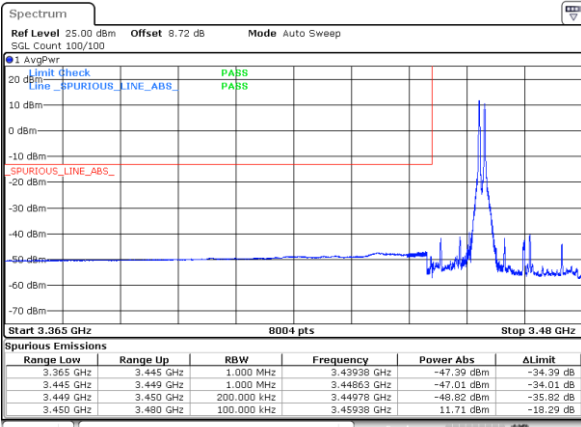


Date: 21.JUL.2023 20:14:12

Date: 21.JUL.2023 20:17:44

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

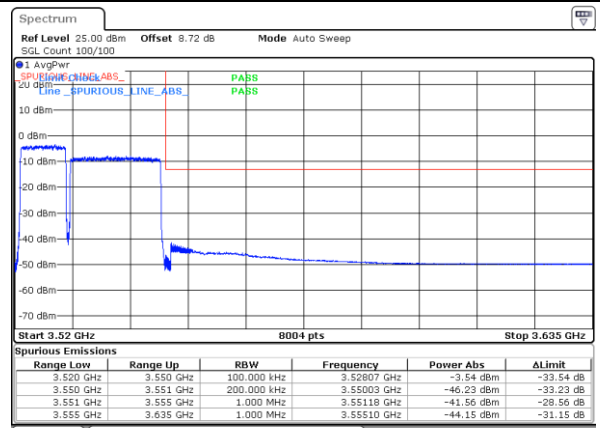
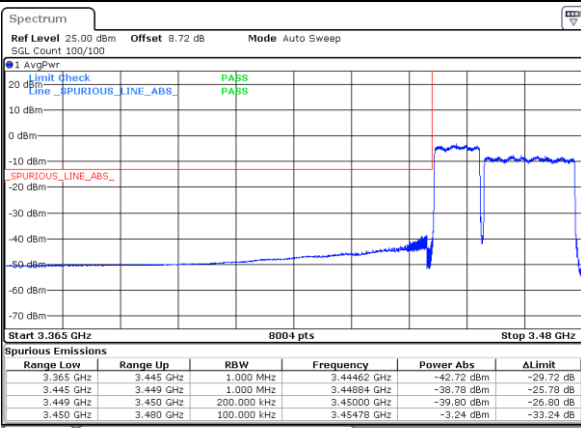


Date: 21.JUL.2023 20:13:04

Date: 21.JUL.2023 20:18:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JUL.2023 20:15:21

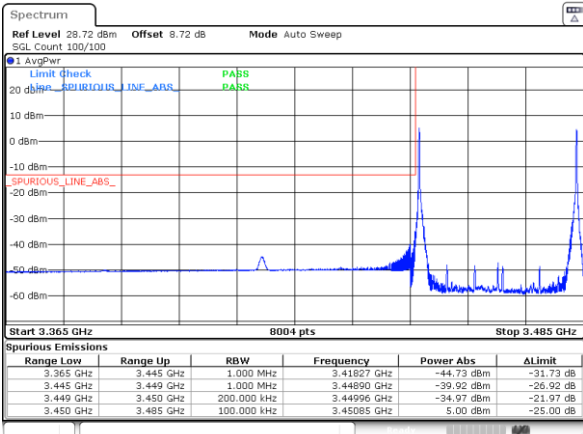
Date: 21.JUL.2023 20:16:35



LTE Band 42C / 15MHz+20MHz

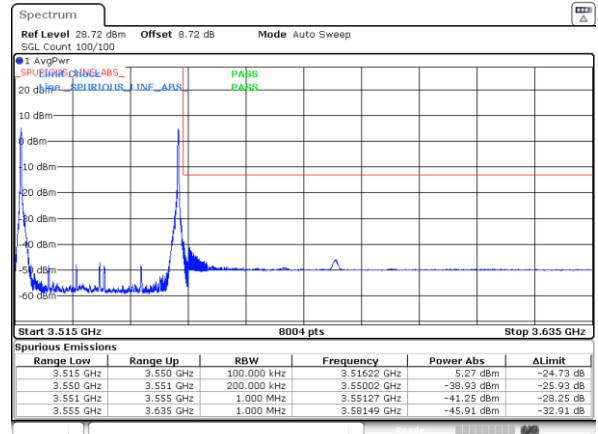
QPSK

Lowest Band Edge / 1RB0 and 1RB9



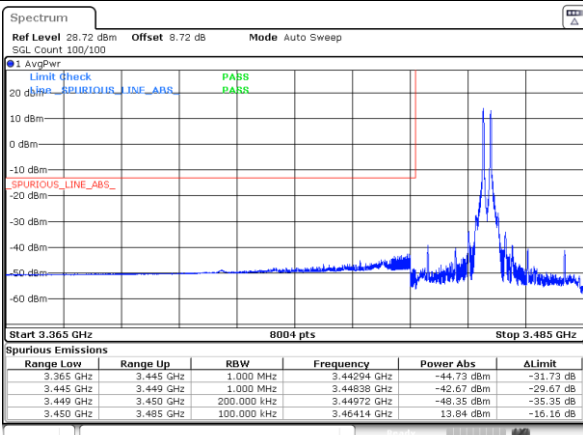
Date: 27 JUN 2023 01:09:12

Highest Band Edge / 1RB0 and 1RB9



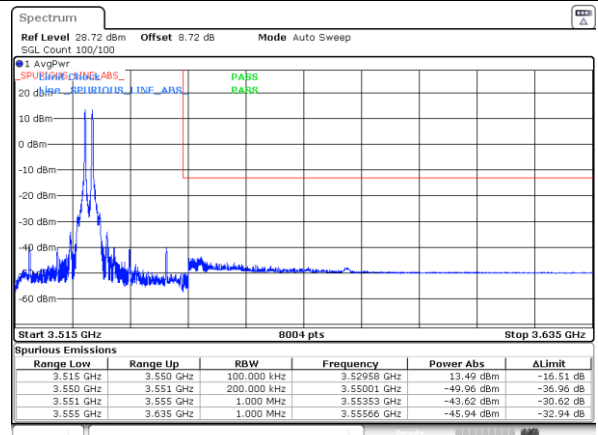
Date: 27 JUN 2023 01:27:31

Lowest Band Edge / 1RB74 and 1RB0



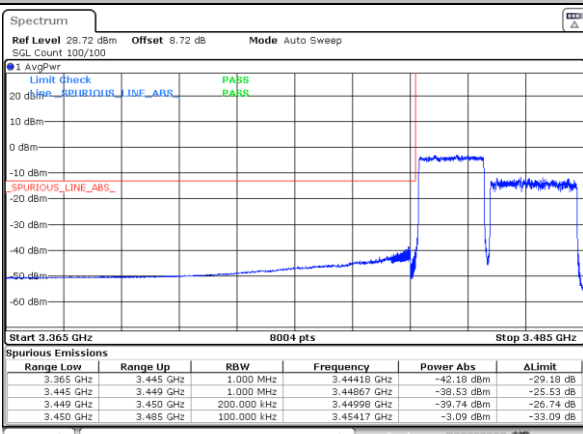
Date: 27 JUN 2023 01:10:37

Highest Band Edge / 1RB74 and 1RB0



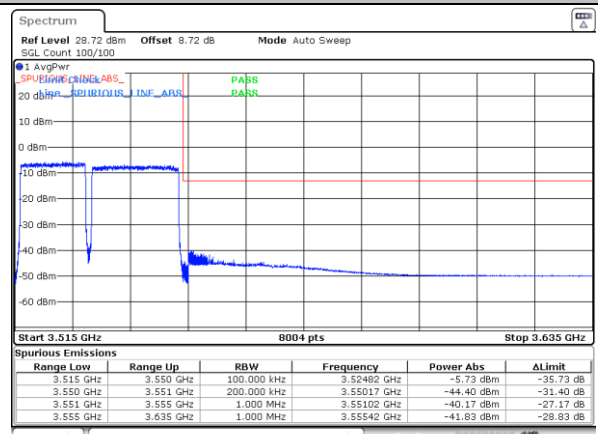
Date: 27 JUN 2023 01:28:55

Lowest Band Edge / Full RB



Date: 27 JUN 2023 01:02:05

Highest Band Edge / Full RB



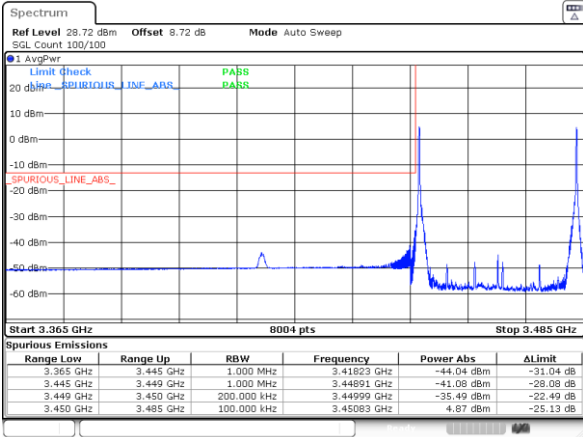
Date: 27 JUN 2023 01:20:32



LTE Band 42C / 15MHz+20MHz

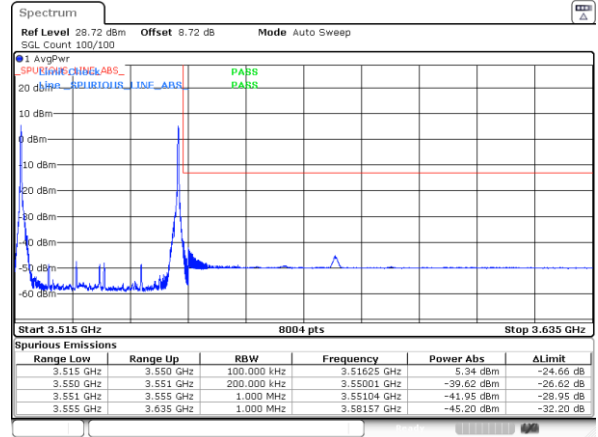
16QAM

Lowest Band Edge / 1RB0 and 1RB9



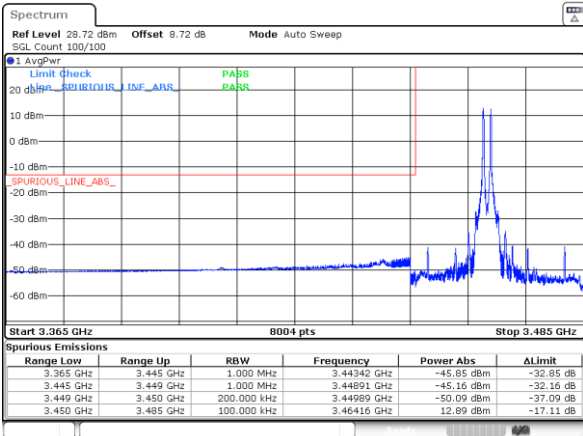
Date: 27 JUN 2023 01:07:47

Highest Band Edge / 1RB0 and 1RB9



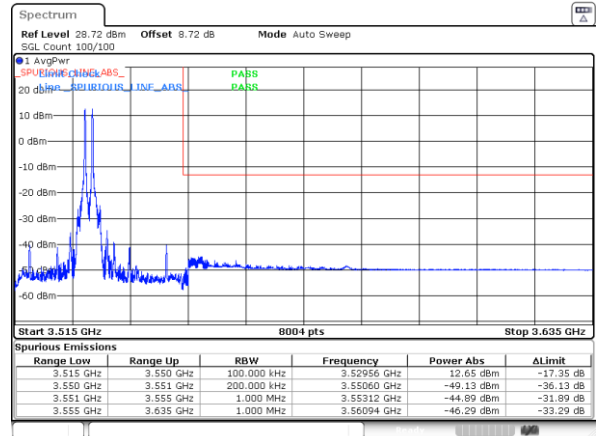
Date: 27 JUN 2023 01:26:07

Lowest Band Edge / 1RB74 and 1RB0



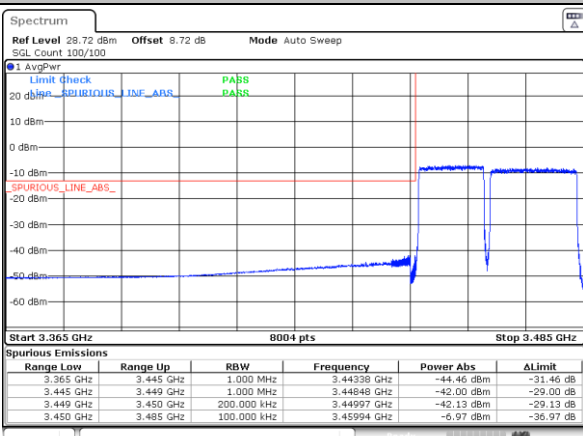
Date: 27 JUN 2023 01:12:02

Highest Band Edge / 1RB74 and 1RB0



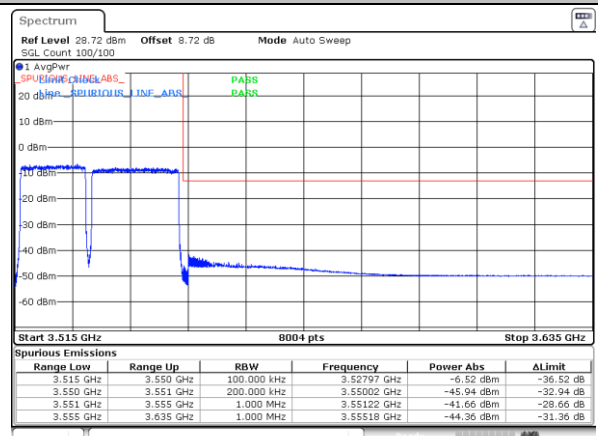
Date: 27 JUN 2023 01:30:19

Lowest Band Edge / Full RB



Date: 27 JUN 2023 01:03:52

Highest Band Edge / Full RB



Date: 27 JUN 2023 01:21:55

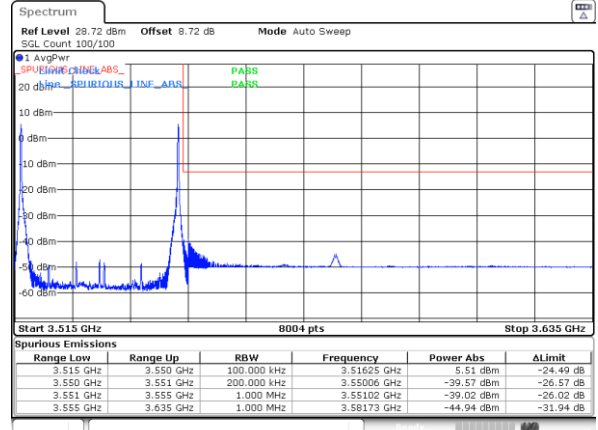
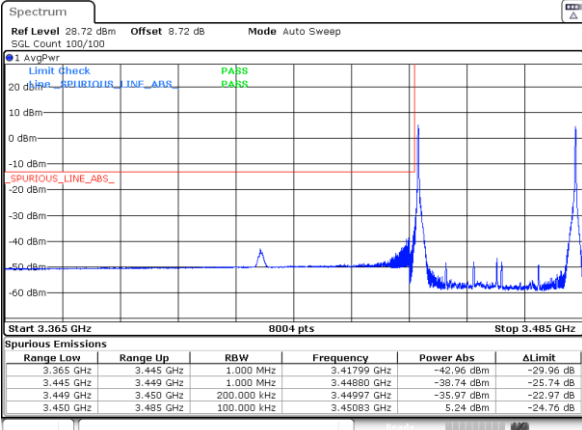


LTE Band 42C / 15MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

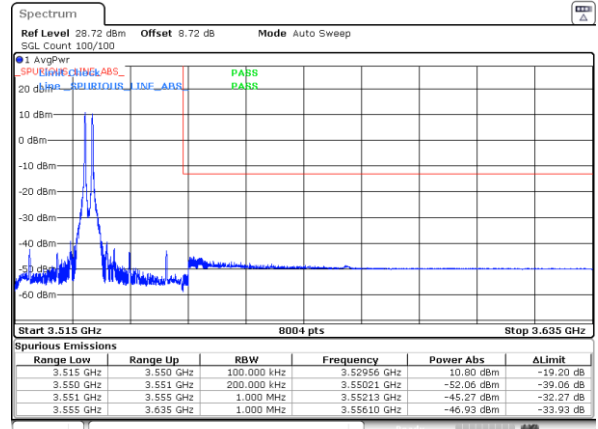
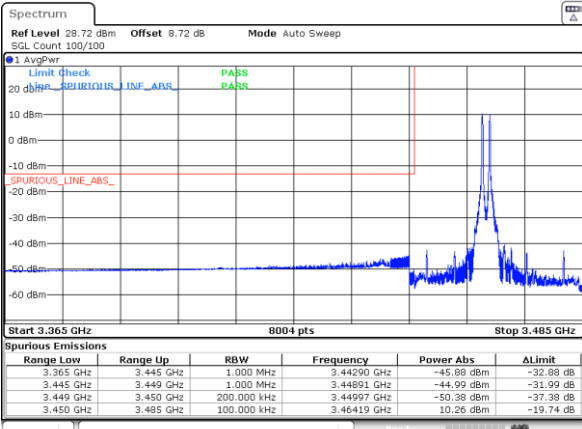


Date: 27 JUN 2023 01:06:22

Date: 27 JUN 2023 01:24:43

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

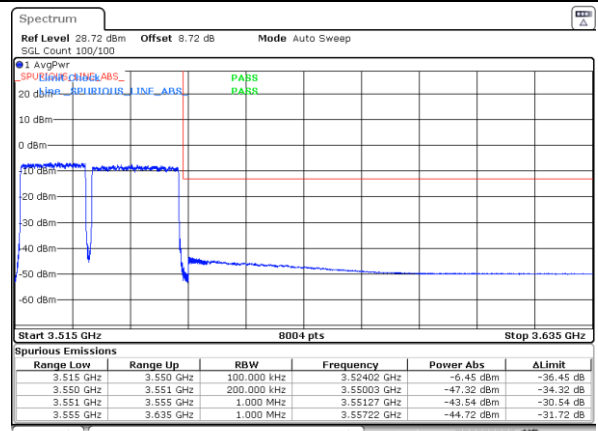
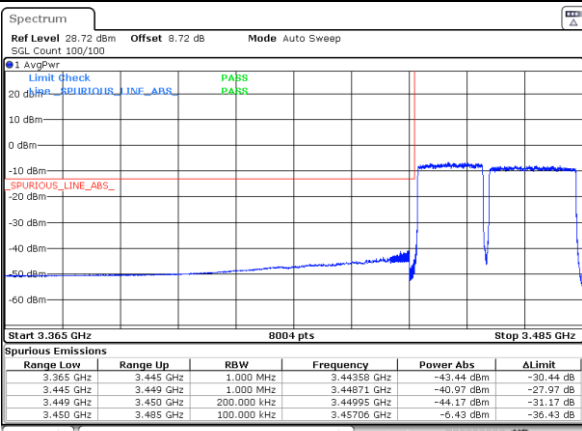


Date: 27 JUN 2023 01:13:27

Date: 27 JUN 2023 01:31:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27 JUN 2023 01:04:57

Date: 27 JUN 2023 01:23:19

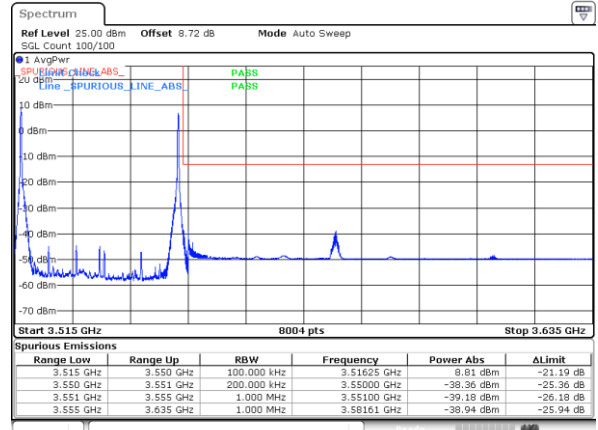
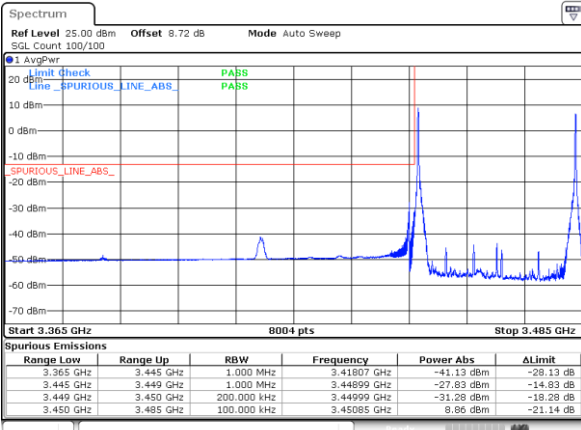


LTE Band 42C / 15MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

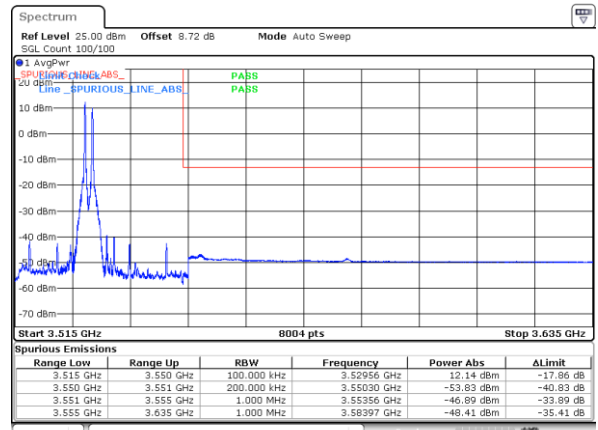
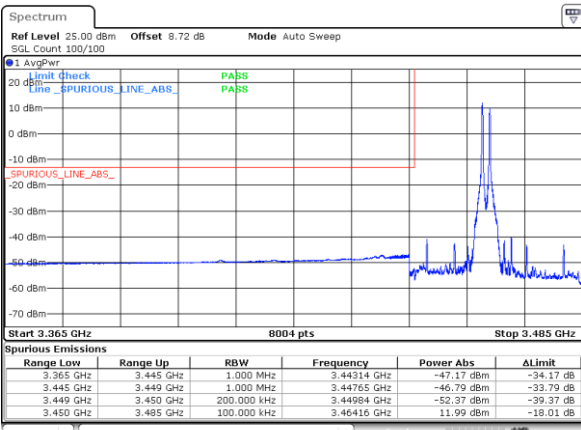


Date: 21.JUL.2023 20:21:17

Date: 21.JUL.2023 20:24:47

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

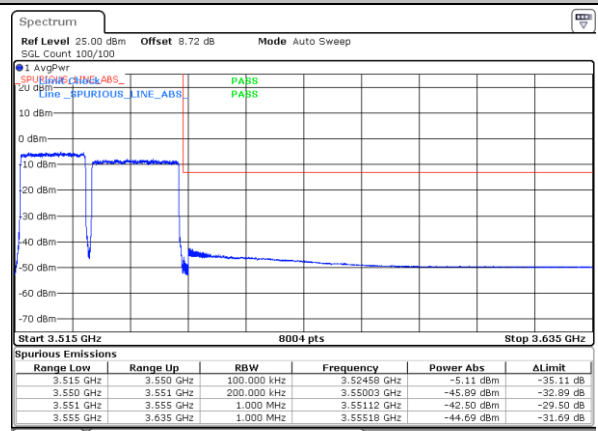
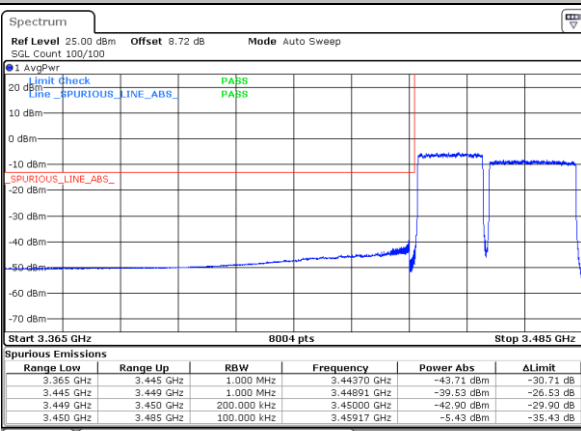


Date: 21.JUL.2023 20:20:08

Date: 21.JUL.2023 20:25:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JUL.2023 20:22:26

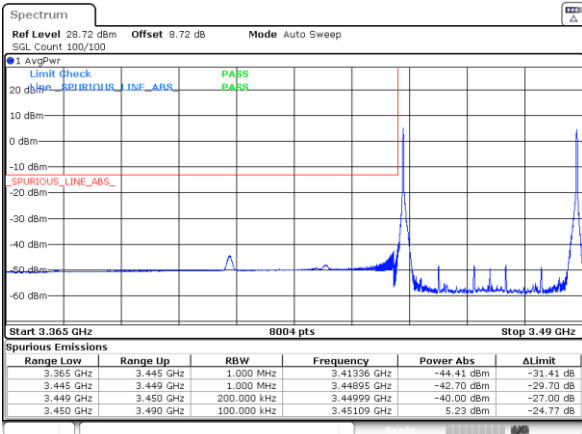
Date: 21.JUL.2023 20:23:39



LTE Band 42C / 20MHz+20MHz

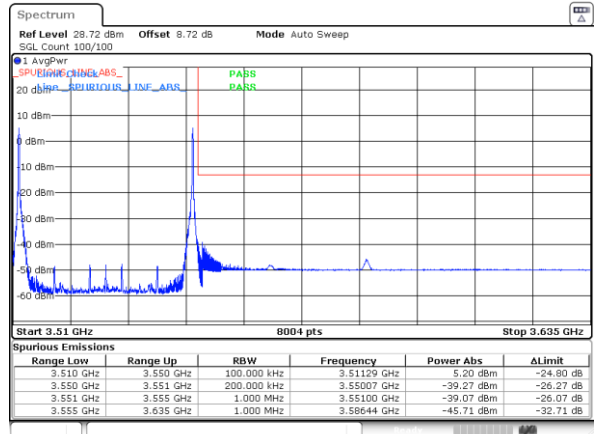
QPSK

Lowest Band Edge / 1RB0 and 1RB9



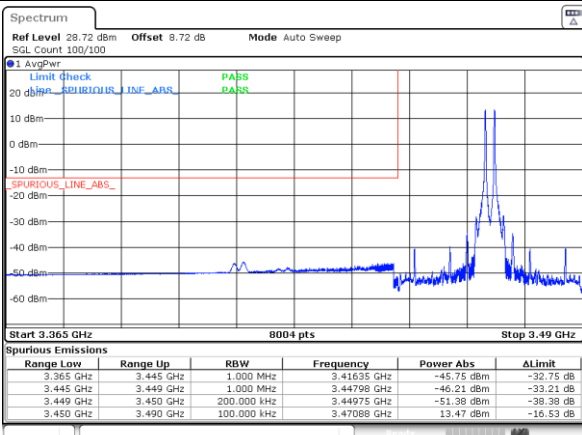
Date: 27 JUN 2023 02:10:01

Highest Band Edge / 1RB0 and 1RB9



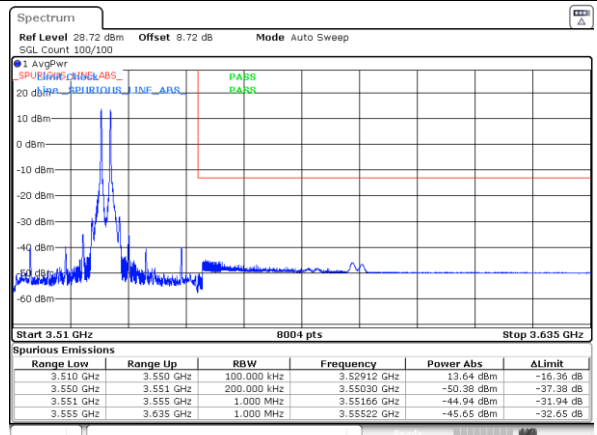
Date: 27 JUN 2023 02:18:52

Lowest Band Edge / 1RB99 and 1RB0



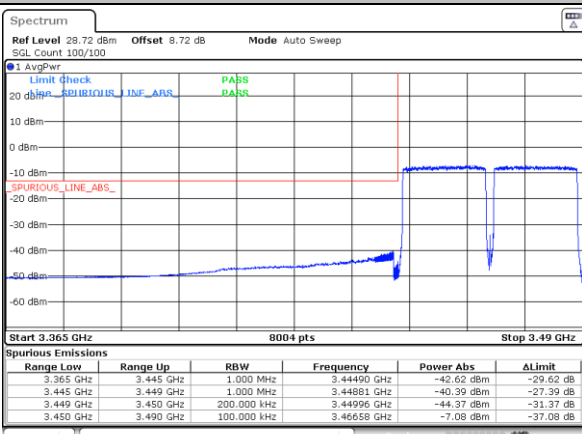
Date: 27 JUN 2023 02:07:27

Highest Band Edge / 1RB99 and 1RB0



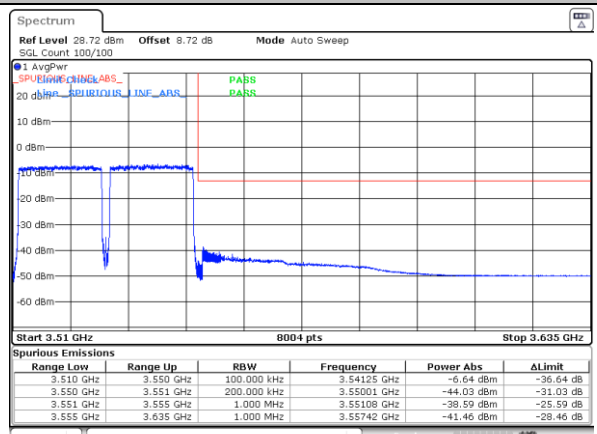
Date: 27 JUN 2023 02:20:17

Lowest Band Edge / Full RB



Date: 27 JUN 2023 01:58:54

Highest Band Edge / Full RB



Date: 27 JUN 2023 02:11:46