

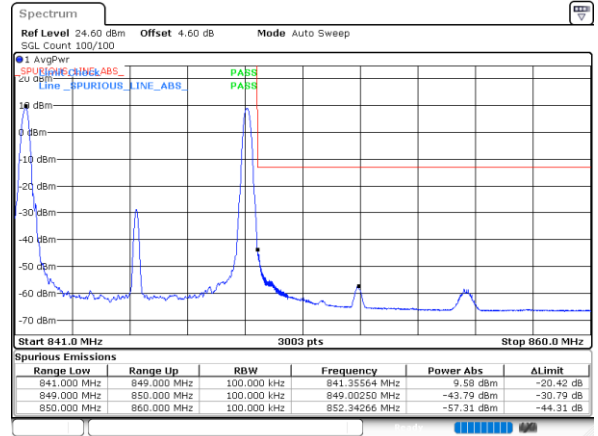
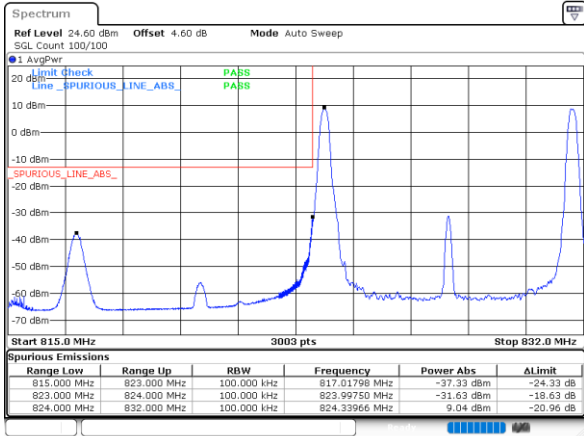


LTE Band 5B / 5MHz+3MHz

256QAM

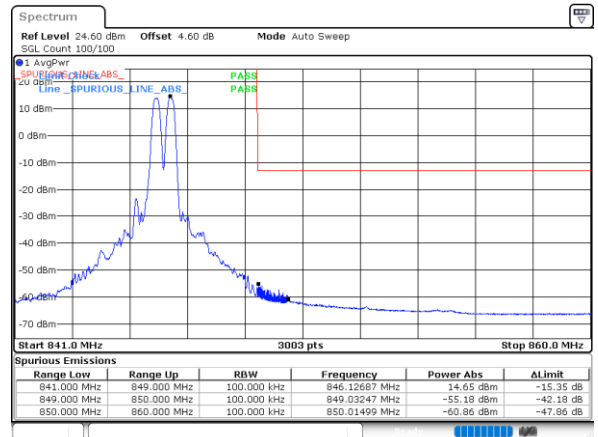
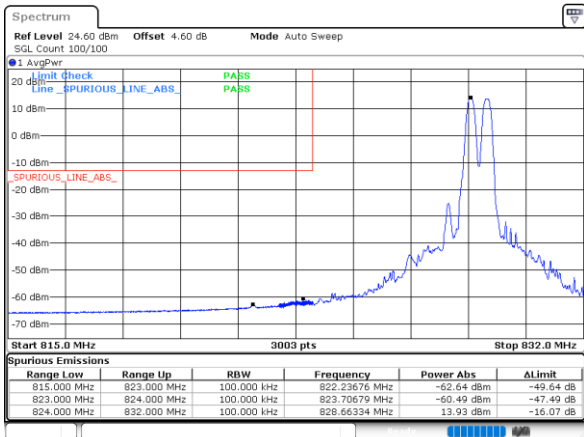
Lowest Band Edge / 1RB0 and 1RB14

Highest Band Edge / 1RB0 and 1RB14



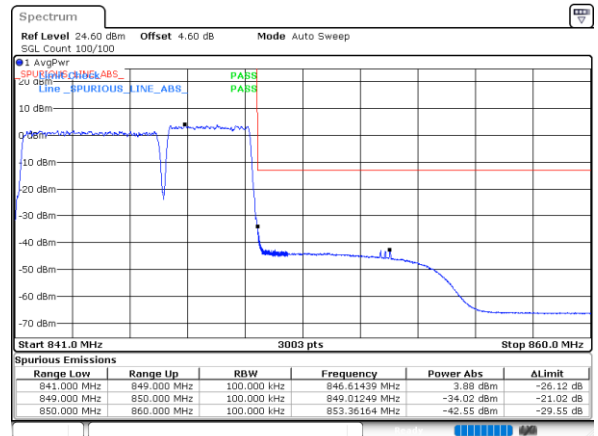
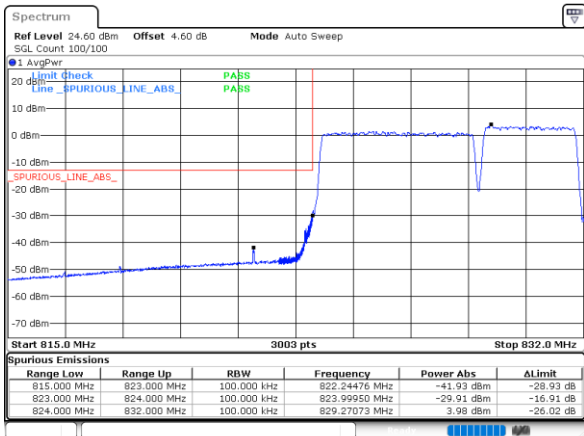
Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



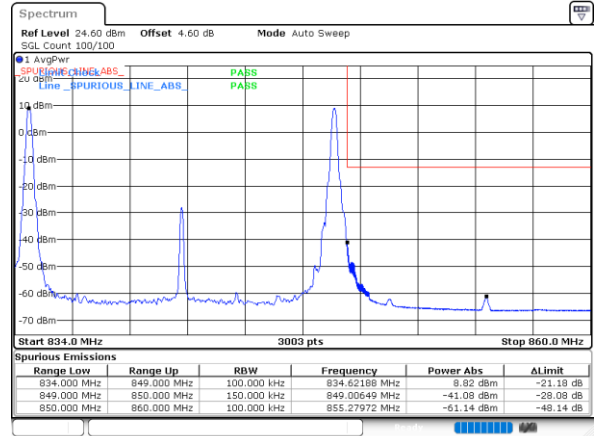
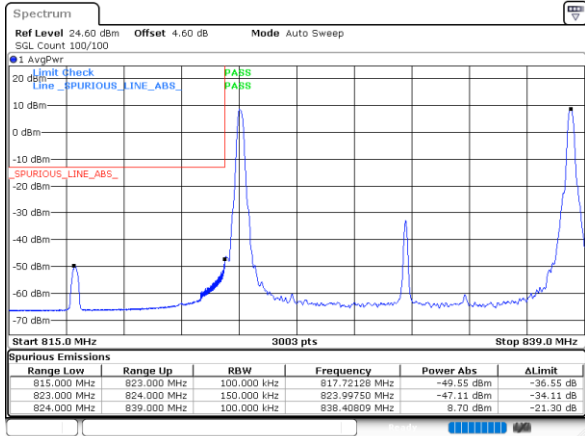


LTE Band 5B / 5MHz+10MHz

256QAM

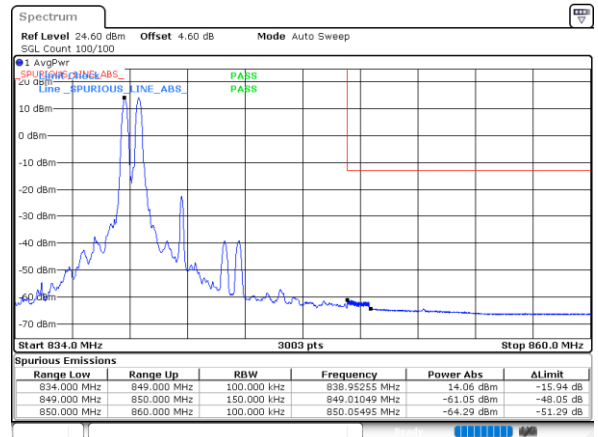
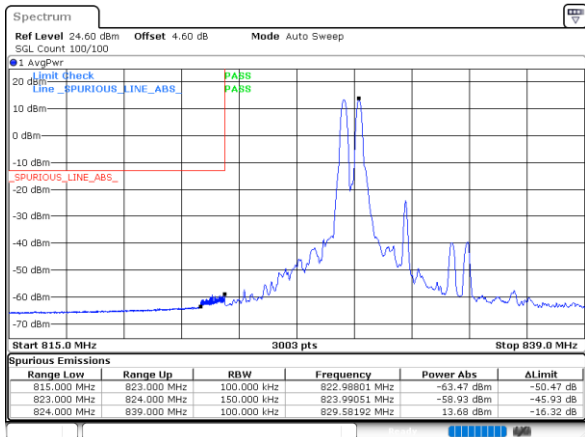
Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49



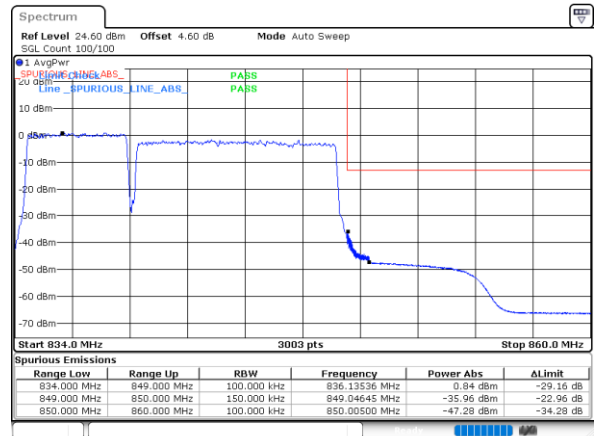
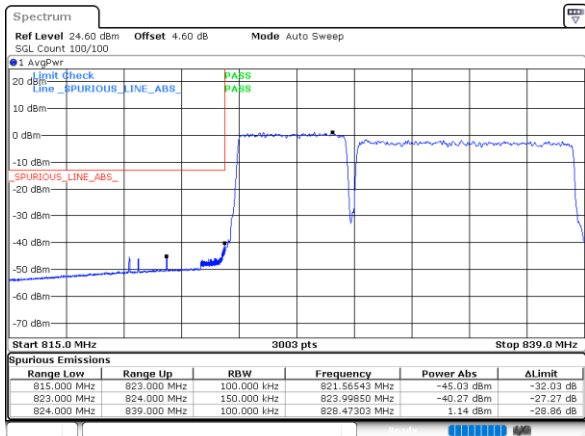
Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



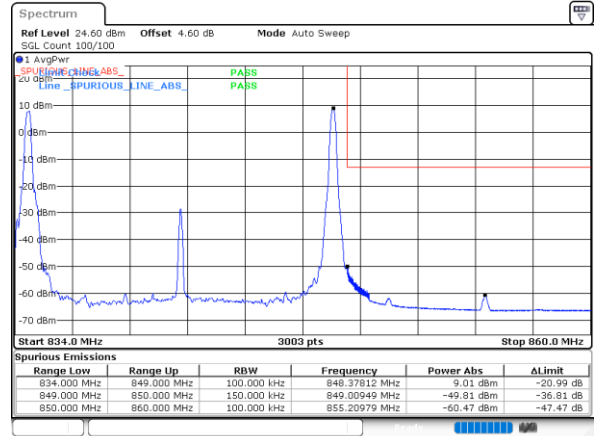
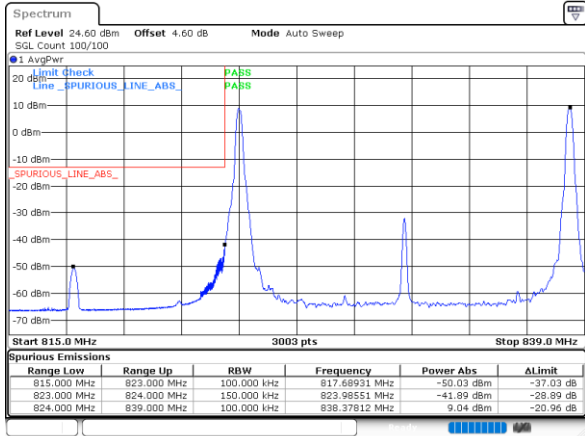


LTE Band 5B / 10MHz+5MHz

256QAM

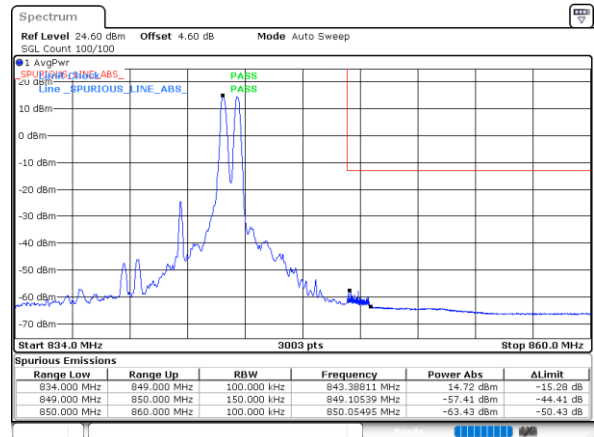
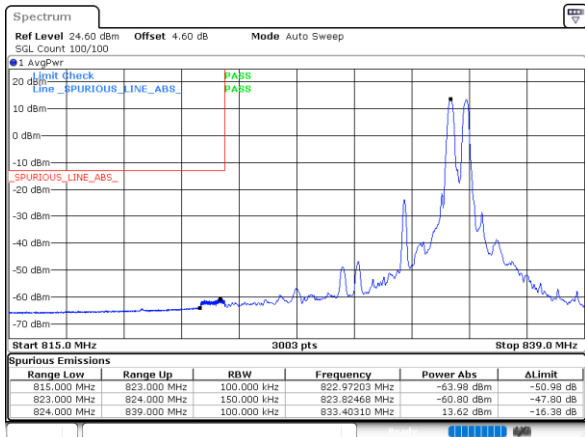
Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24



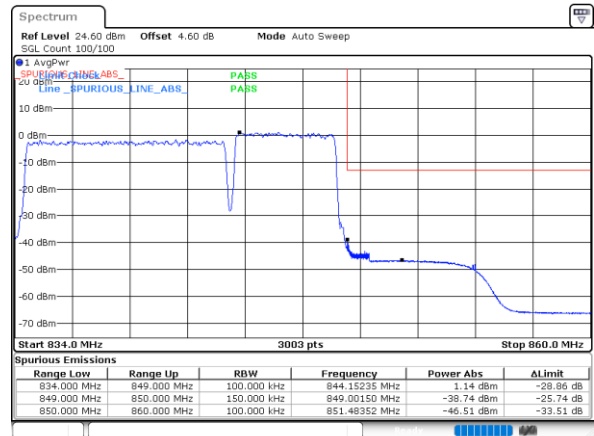
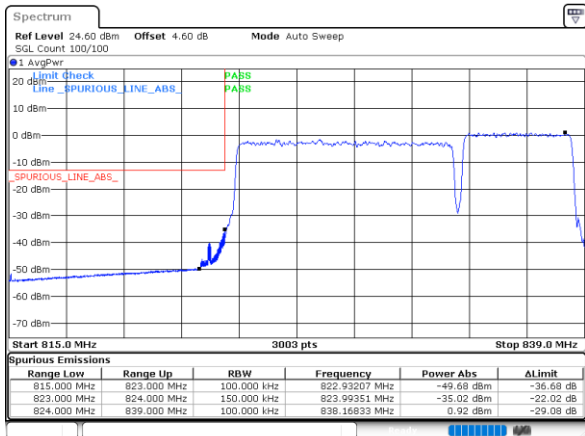
Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



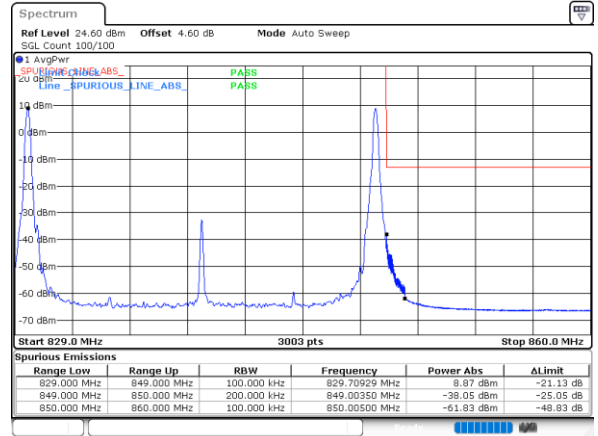
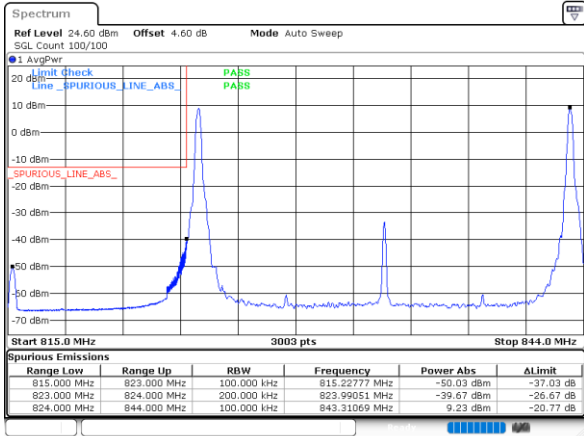


LTE Band 5B / 10MHz+10MHz

256QAM

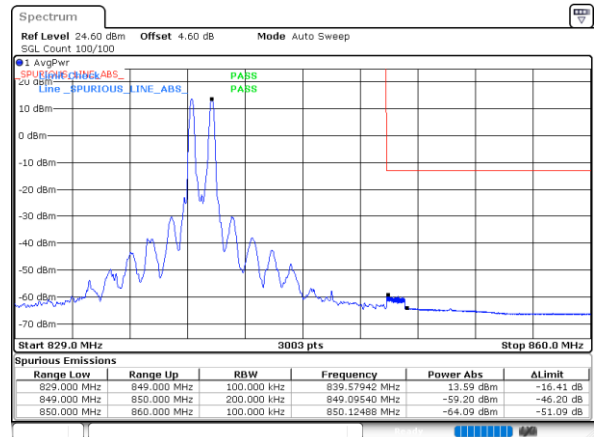
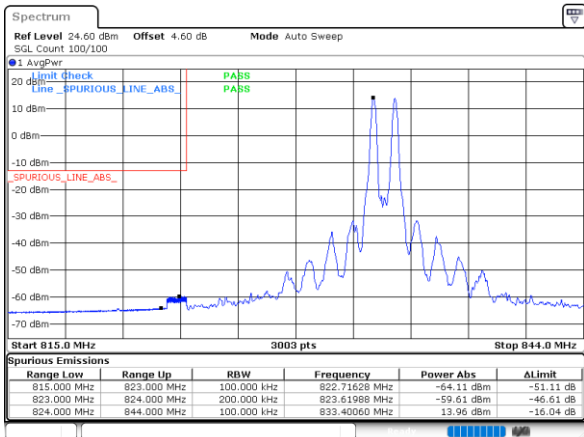
Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49



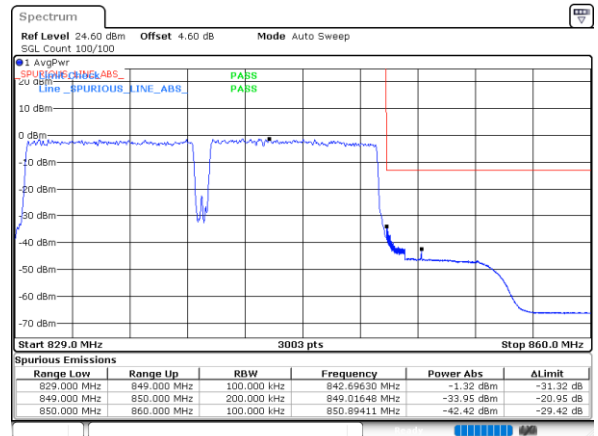
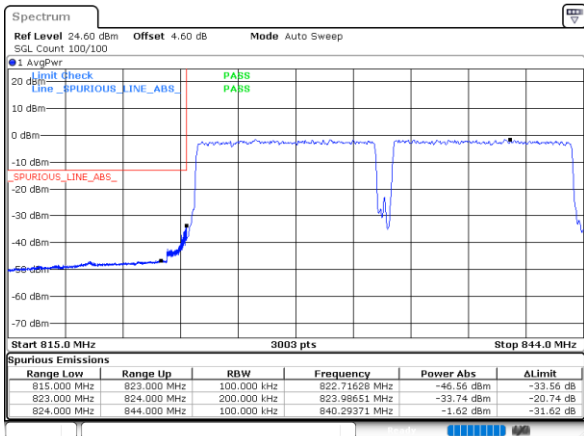
Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB





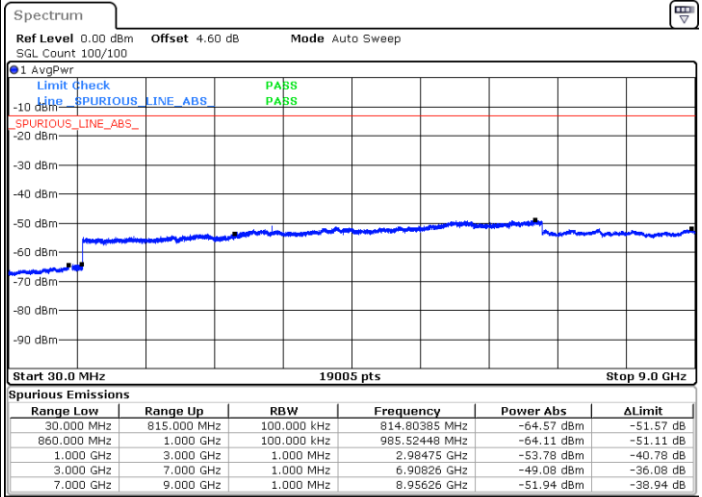
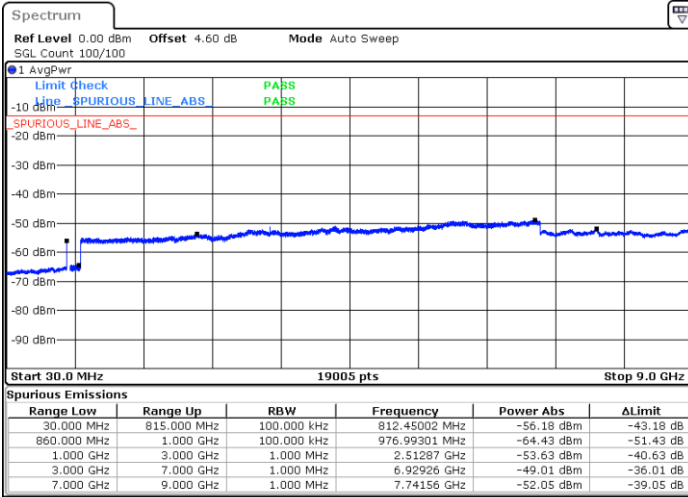
Conducted Spurious Emission

LTE Band 5B / 3MHz+5MHz

QPSK

Lowest Channel / 1RB14 and 1RB0

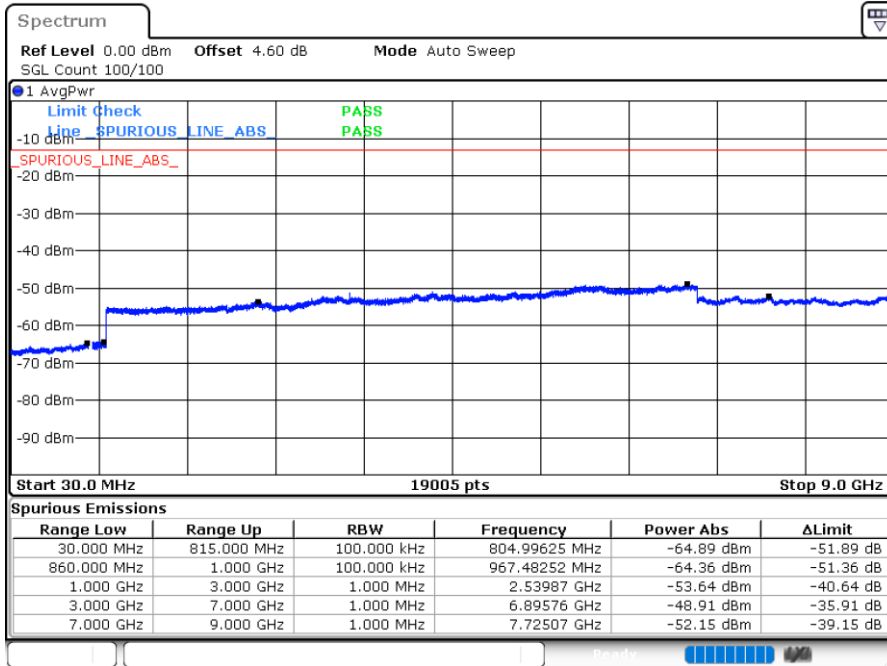
Middle Channel / 1RB14 and 1RB0



Date: 30.DEC.2022 12:50:41

Date: 30.DEC.2022 12:55:05

Highest Channel / 1RB14 and 1RB0



Date: 30.DEC.2022 12:58:28

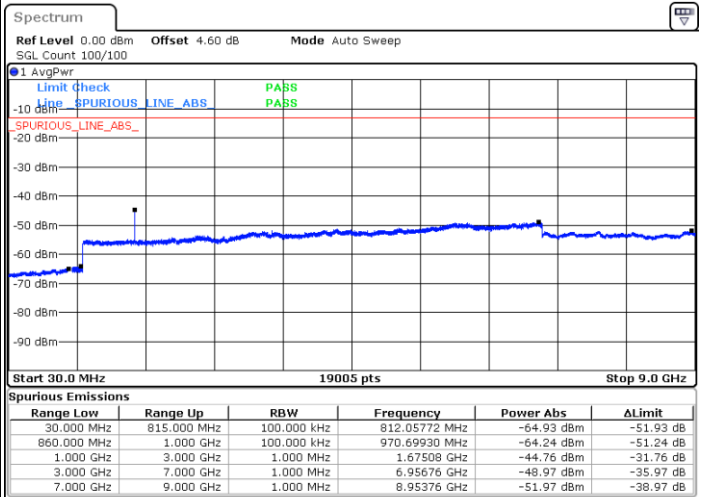
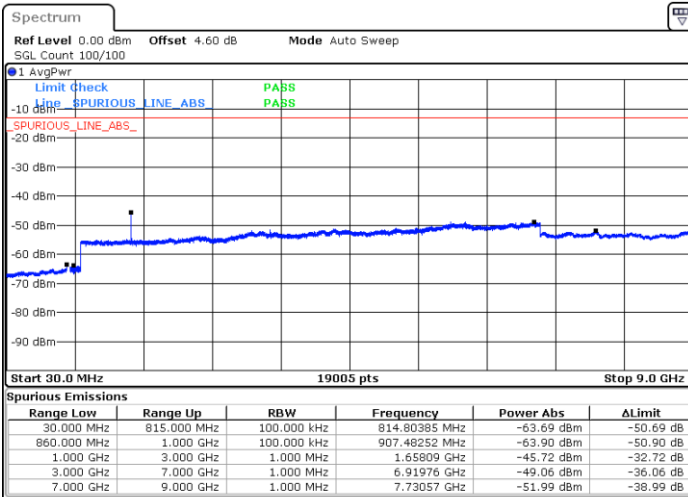


LTE Band 5B / 5MHz+3MHz

QPSK

Lowest Channel / 1RB24 and 1RB0

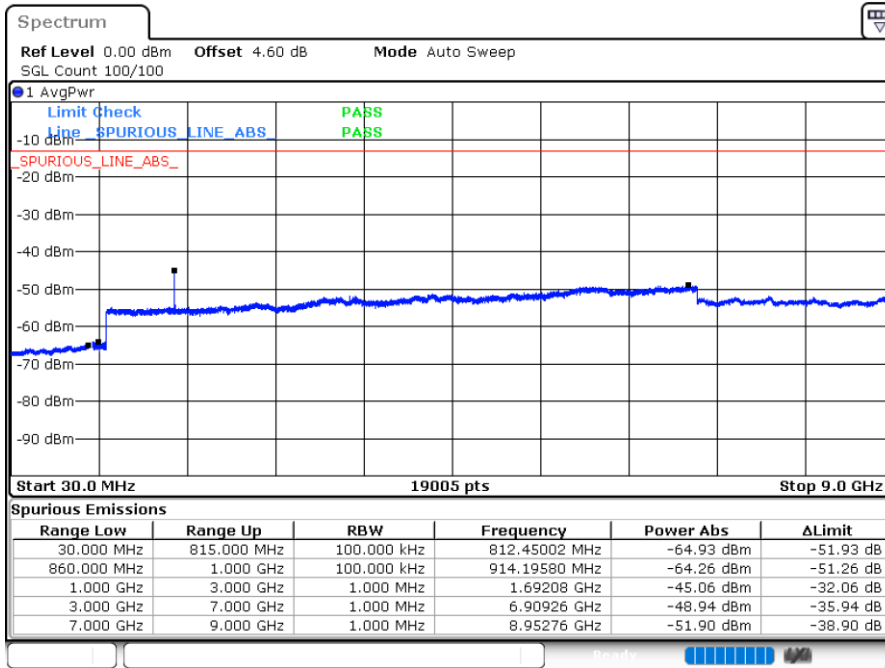
Middle Channel / 1RB24 and 1RB0



Date: 30.DEC.2022 14:00:18

Date: 30.DEC.2022 14:09:27

Highest Channel / 1RB24 and 1RB0



Date: 30.DEC.2022 14:12:40

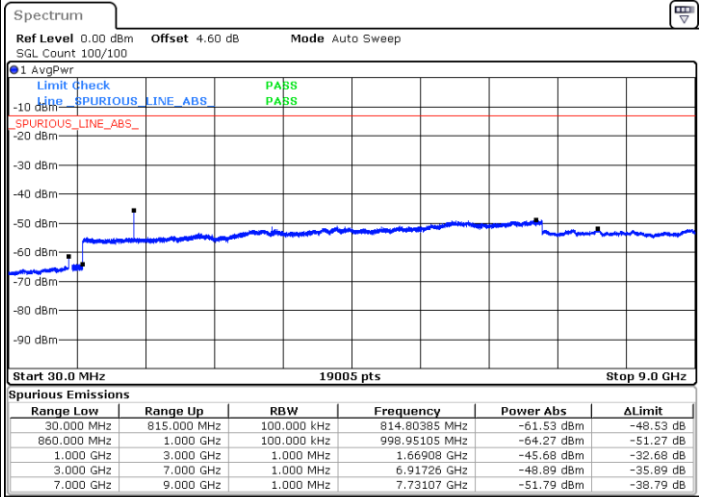
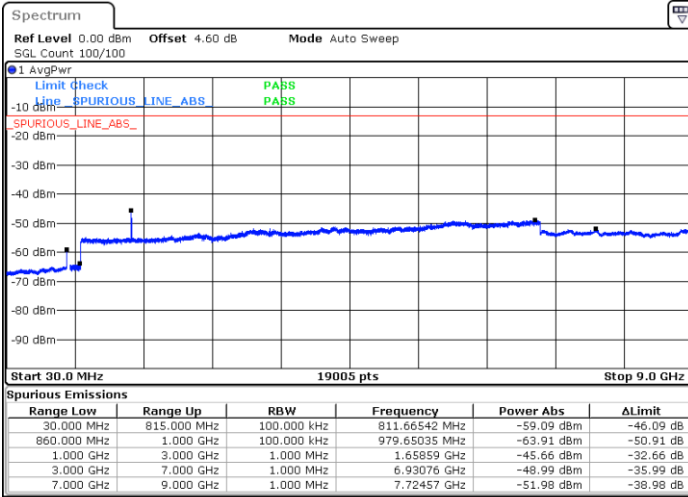


LTE Band 5B / 5MHz+10MHz

QPSK

Lowest Channel / 1RB24 and 1RB0

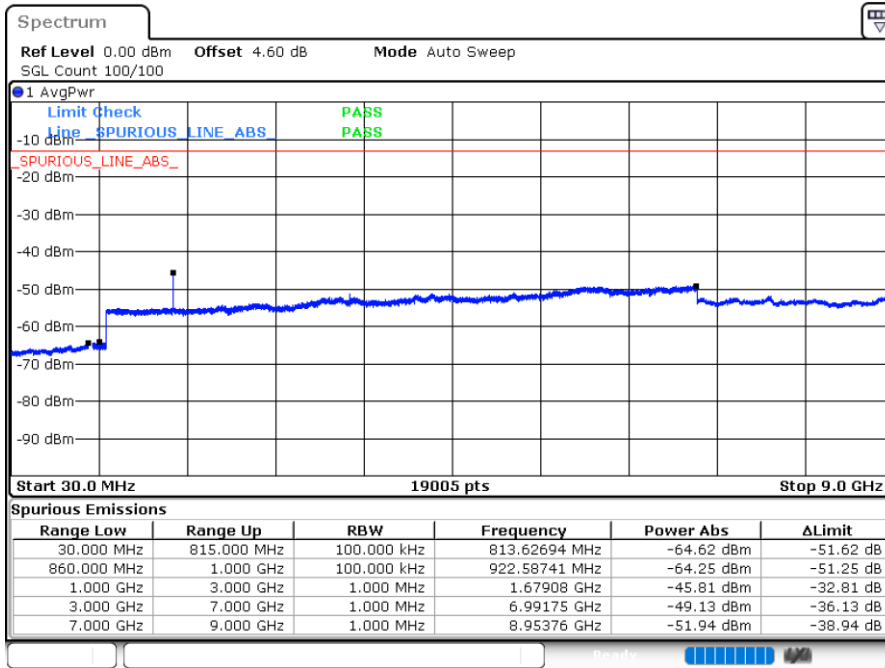
Middle Channel / 1RB24 and 1RB0



Date: 30.DEC.2022 15:26:44

Date: 30.DEC.2022 15:28:26

Highest Channel / 1RB24 and 1RB0



Date: 30.DEC.2022 15:31:39

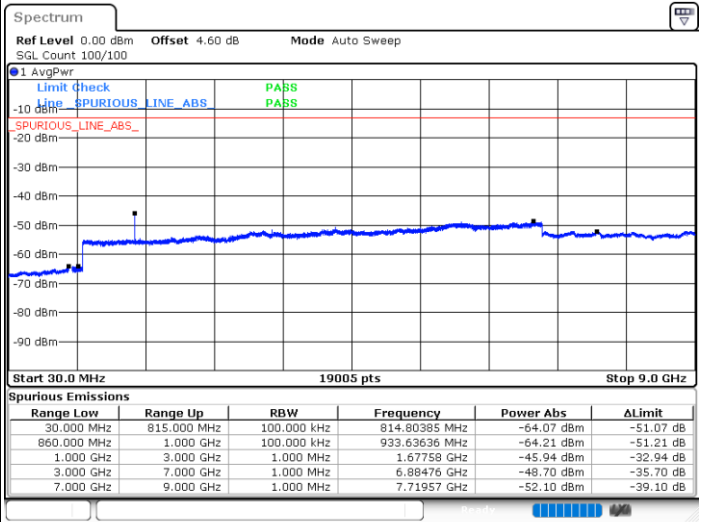
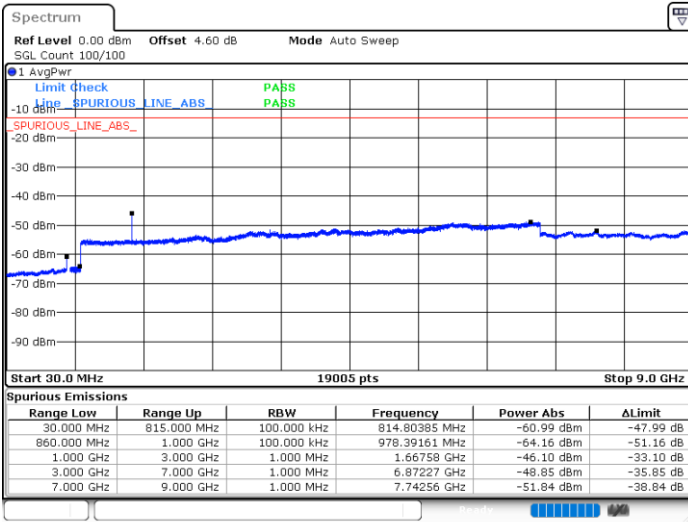


LTE Band 5B / 10MHz+5MHz

QPSK

Lowest Channel / 1RB49 and 1RB0

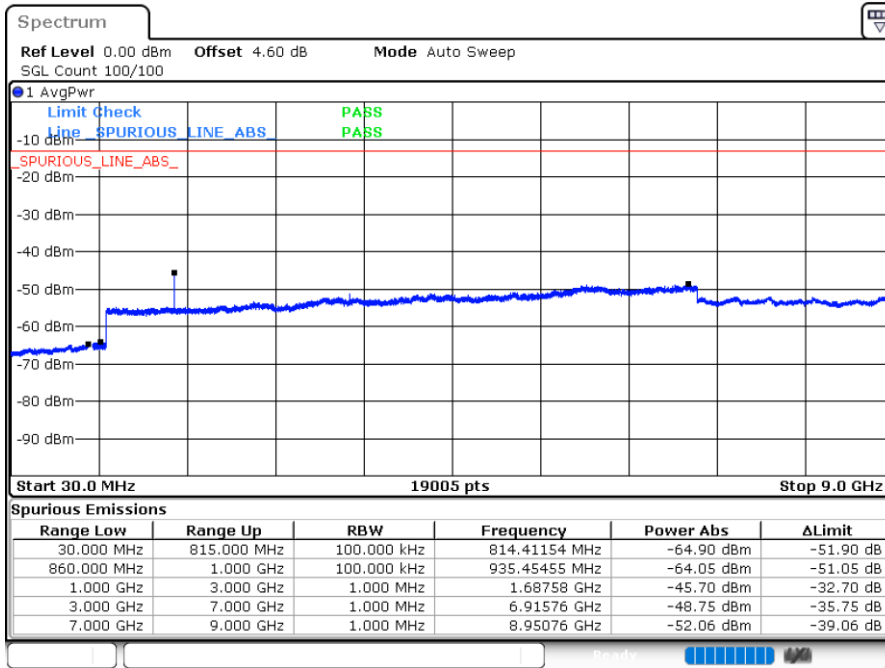
Middle Channel / 1RB49 and 1RB0



Date: 1.JAN.2023 10:07:36

Date: 1.JAN.2023 10:09:40

Highest Channel / 1RB49 and 1RB0



Date: 1.JAN.2023 10:13:03

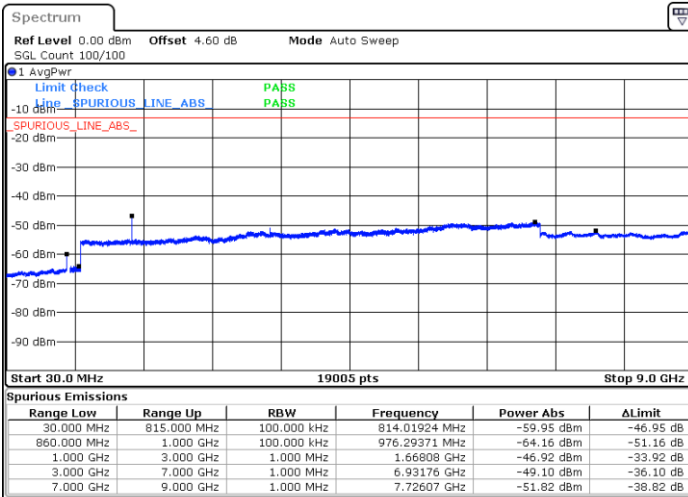


LTE Band 5B / 10MHz+10MHz

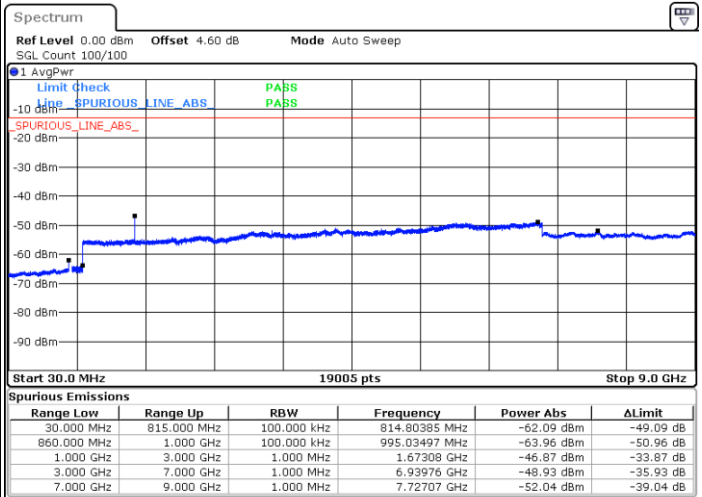
QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0

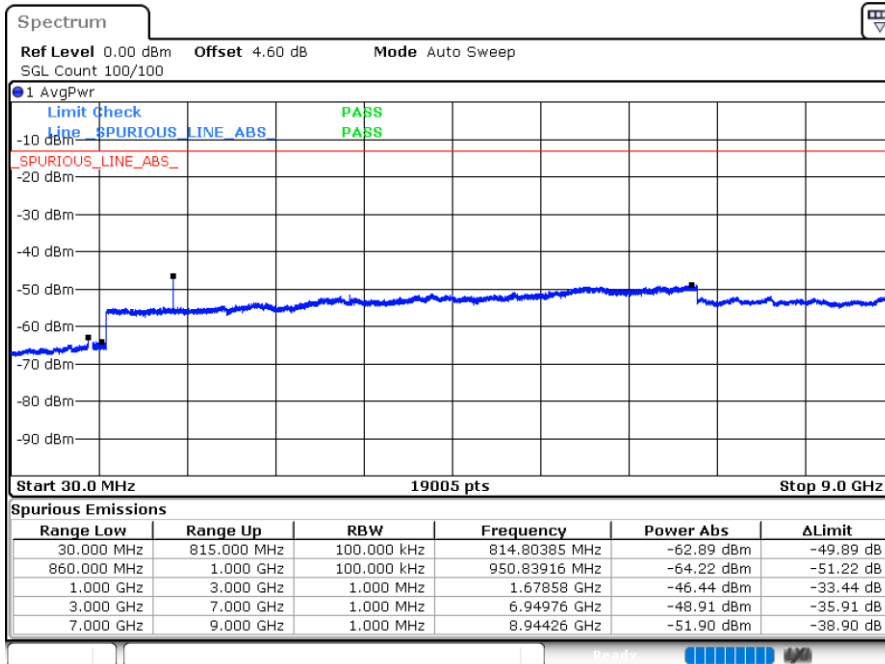


Date: 1.JAN.2023 11:26:44



Date: 1.JAN.2023 11:31:33

Highest Channel / 1RB49 and 1RB0



Date: 1.JAN.2023 11:34:56



Frequency Stability

| Test Conditions | | LTE Band 5B (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|--------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz+10MHz | 2.5ppm |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0012 | PASS |
| 40 | Normal Voltage | 0.0025 | |
| 30 | Normal Voltage | 0.0016 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0015 | |
| 0 | Normal Voltage | 0.0027 | |
| -10 | Normal Voltage | 0.0029 | |
| -20 | Normal Voltage | 0.0013 | |
| -30 | Normal Voltage | 0.0008 | |
| 20 | Maximum Voltage | 0.0016 | |
| 20 | Normal Voltage | 0.0024 | |
| 20 | Battery End Point | 0.0021 | |

Note: Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.



LTE Band 66B

26dB Bandwidth

| Mode | LTE Band 66B : 26dB BW(MHz) | |
|-----------|-----------------------------|-------------|
| Mod. | QPSK | 16QAM |
| BW | 5MHz+5MHz | 5MHz+5MHz |
| Middle CH | 10.15 | 10.01 |
| Mod. | QPSK | 16QAM |
| BW | 5MHz+10MHz | 5MHz+10MHz |
| Middle CH | 14.66 | 14.57 |
| Mod. | QPSK | 16QAM |
| BW | 5MHz+15MHz | 5MHz+15MHz |
| Middle CH | 19.02 | 19.26 |
| Mod. | QPSK | 16QAM |
| BW | 10MHz+5MHz | 10MHz+5MHz |
| Middle CH | 14.69 | 14.78 |
| Mod. | QPSK | 16QAM |
| BW | 15MHz+5MHz | 15MHz+5MHz |
| Middle CH | 19.06 | 18.90 |
| Mod. | QPSK | 16QAM |
| BW | 10MHz+10MHz | 10MHz+10MHz |
| Middle CH | 19.66 | 20.10 |



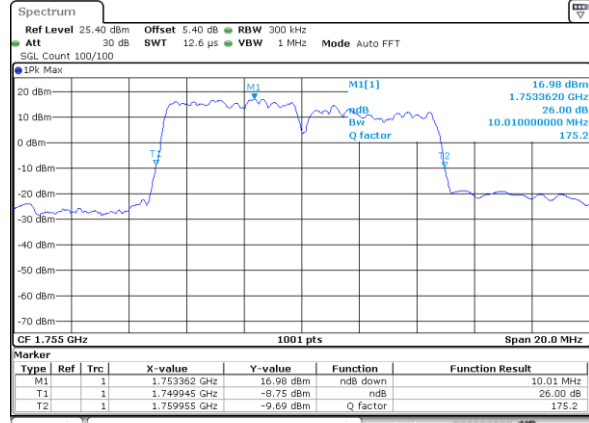
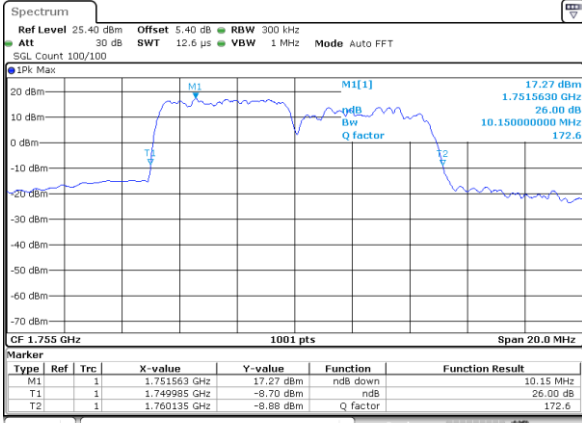
LTE Band 66B

QPSK

16QAM

Middle Channel / 5MHz+5MHz

Middle Channel / 5MHz+5MHz

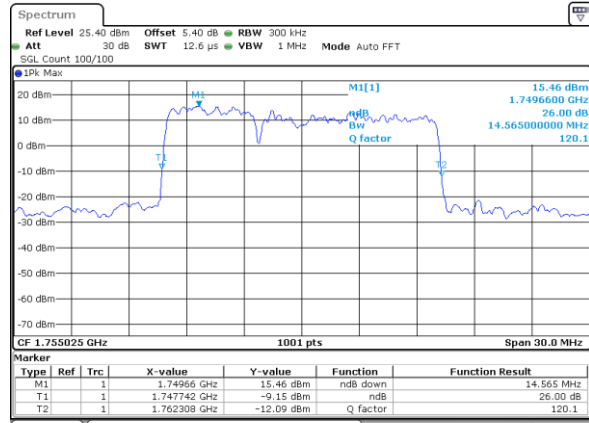
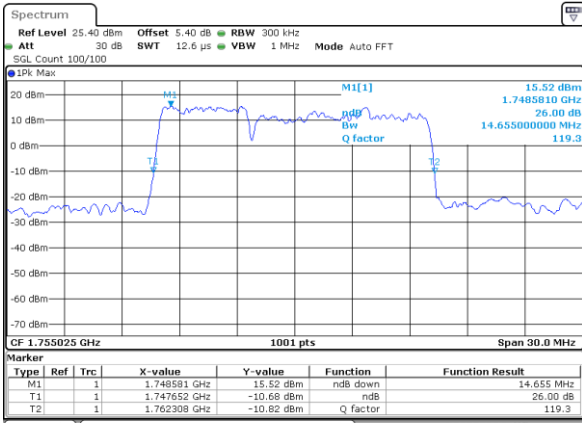


Date: 30, DEC, 2022 23:44:10

Date: 30, DEC, 2022 23:45:23

Middle Channel / 5MHz+10MHz

Middle Channel / 5MHz+10MHz

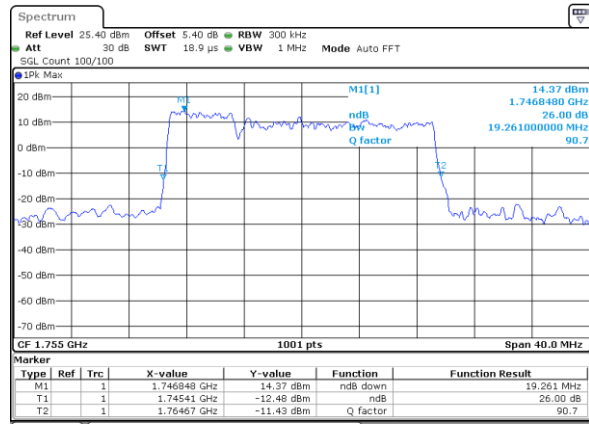
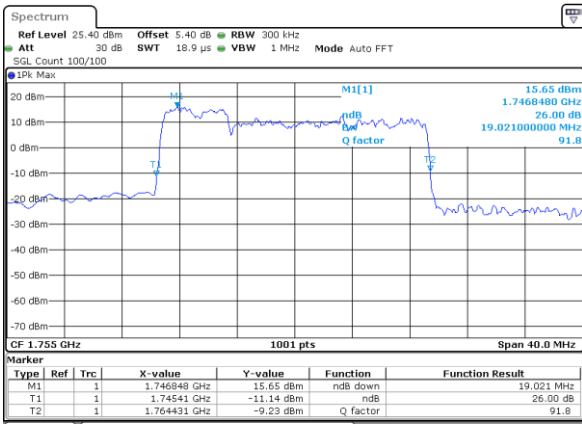


Date: 30, DEC, 2022 21:14:29

Date: 30, DEC, 2022 21:14:59

Middle Channel / 5MHz+15MHz

Middle Channel / 5MHz+15MHz



Date: 30, DEC, 2022 21:45:05

Date: 30, DEC, 2022 21:45:35



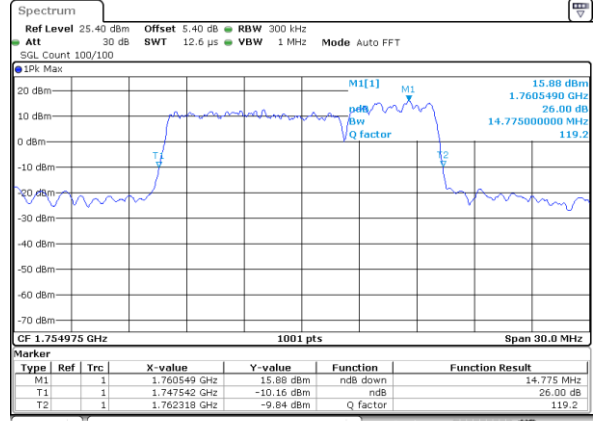
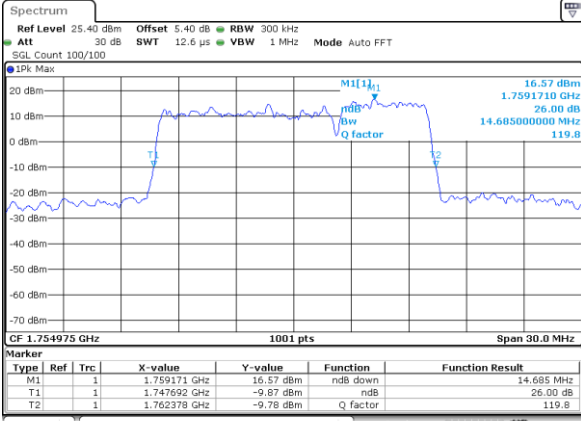
LTE Band 66B

QPSK

16QAM

Middle Channel / 10MHz+5MHz

Middle Channel / 10MHz+5MHz

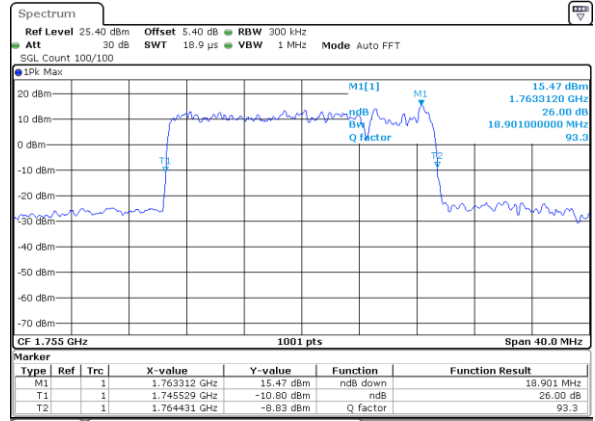
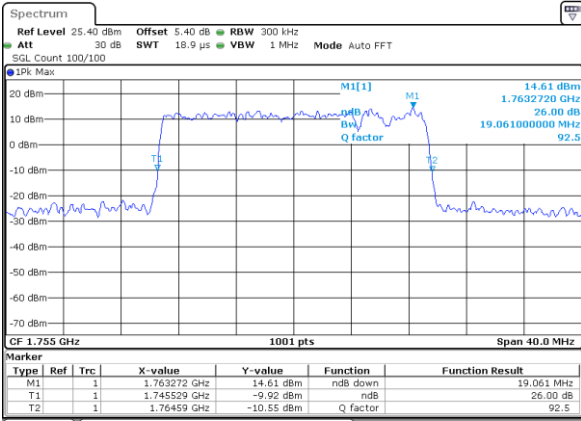


Date: 30, DEC, 2022 22:16:10

Date: 30, DEC, 2022 22:16:40

Middle Channel / 15MHz+5MHz

Middle Channel / 15MHz+5MHz

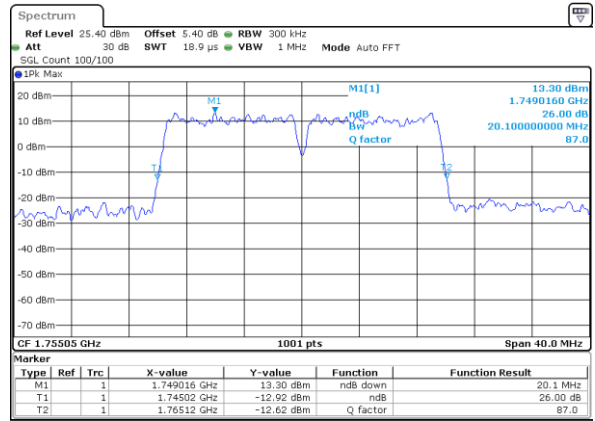
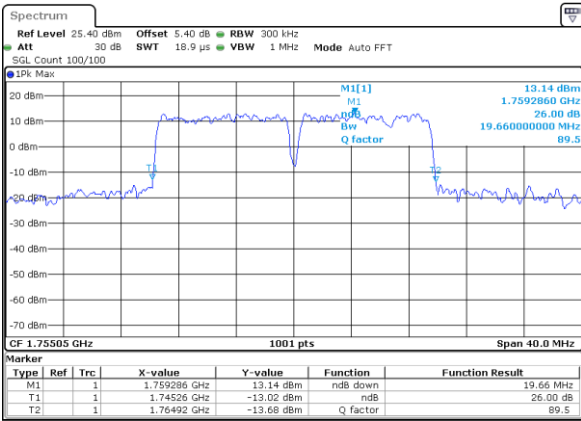


Date: 30, DEC, 2022 23:21:59

Date: 30, DEC, 2022 23:22:30

Middle Channel / 10MHz+10MHz

Middle Channel / 10MHz+10MHz



Date: 30, DEC, 2022 22:51:09

Date: 30, DEC, 2022 22:51:39



Occupied Bandwidth

| Mode | LTE Band 66B : 99%OBW(MHz) | |
|-----------|----------------------------|-------------|
| Mod. | QPSK | 16QAM |
| BW | 5MHz+5MHz | 5MHz+5MHz |
| Middle CH | 9.29 | 9.39 |
| Mod. | QPSK | 16QAM |
| BW | 5MHz+10MHz | 5MHz+10MHz |
| Middle CH | 13.94 | 13.91 |
| Mod. | QPSK | 16QAM |
| BW | 5MHz+15MHz | 5MHz+15MHz |
| Middle CH | 18.26 | 18.26 |
| Mod. | QPSK | 16QAM |
| BW | 10MHz+5MHz | 10MHz+5MHz |
| Middle CH | 13.97 | 13.88 |
| Mod. | QPSK | 16QAM |
| BW | 15MHz+5MHz | 15MHz+5MHz |
| Middle CH | 18.82 | 18.78 |
| Mod. | QPSK | 16QAM |
| BW | 10MHz+10MHz | 10MHz+10MHz |
| Middle CH | 18.22 | 18.18 |



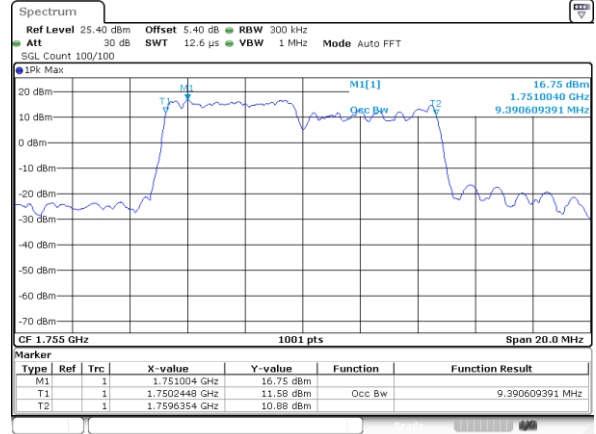
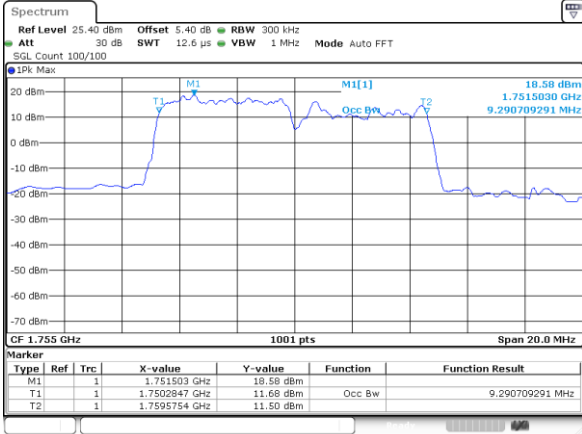
LTE Band 66B

QPSK

16QAM

Middle Channel / 5MHz+5MHz

Middle Channel / 5MHz+5MHz

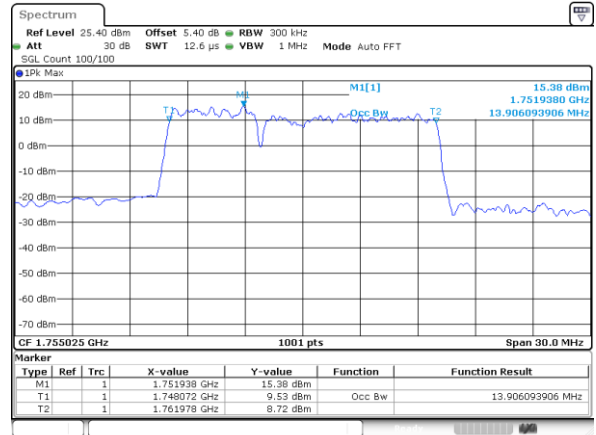
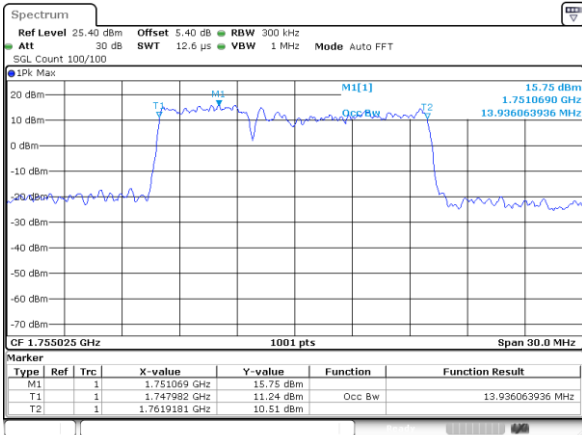


Date: 30, DEC, 2022 23:43:41

Date: 30, DEC, 2022 23:44:42

Middle Channel / 5MHz+10MHz

Middle Channel / 5MHz+10MHz

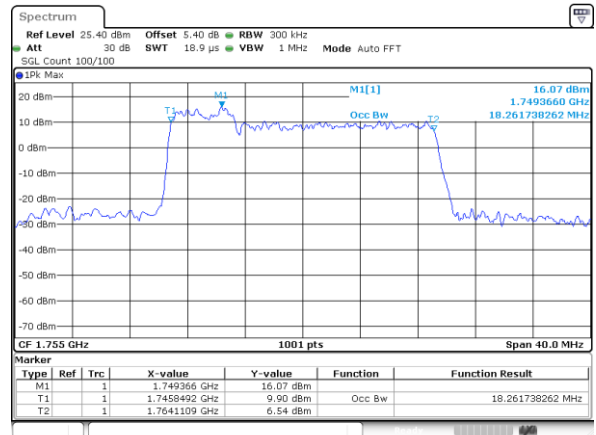
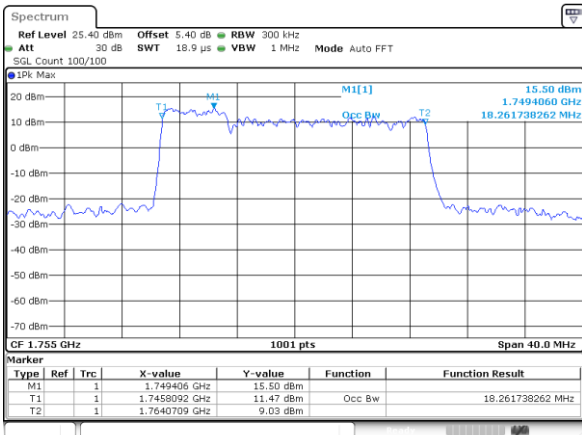


Date: 30, DEC, 2022 21:14:00

Date: 30, DEC, 2022 21:15:29

Middle Channel / 5MHz+15MHz

Middle Channel / 5MHz+15MHz



Date: 30, DEC, 2022 21:44:34

Date: 30, DEC, 2022 21:46:05



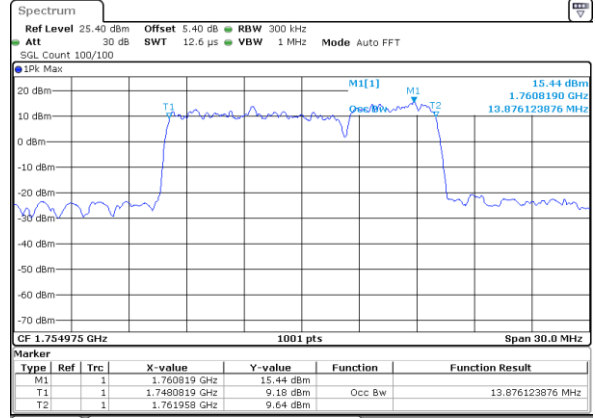
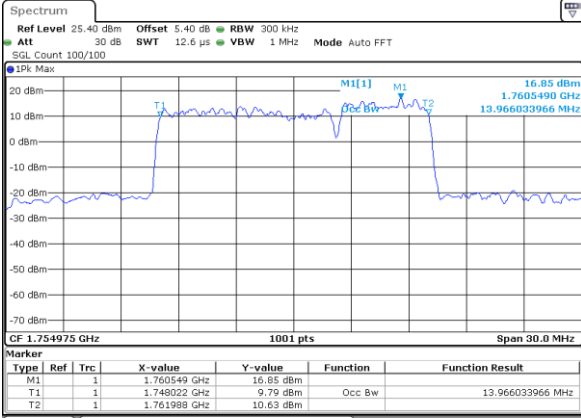
LTE Band 66B

QPSK

16QAM

Middle Channel / 10MHz+5MHz

Middle Channel / 10MHz+5MHz

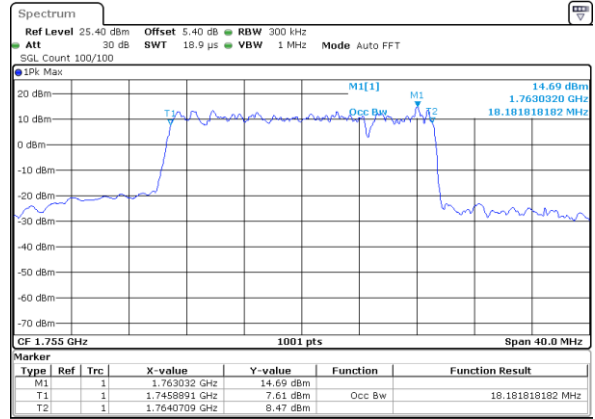
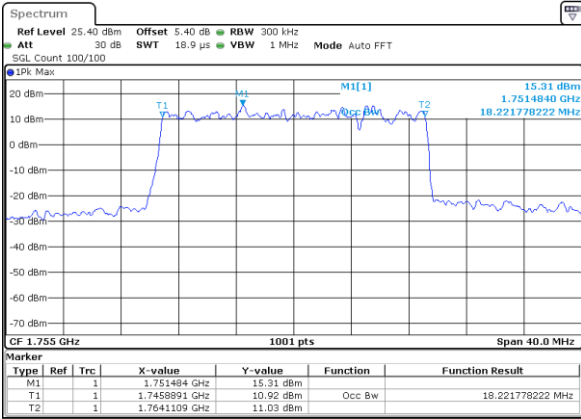


Date: 30, DEC, 2022 22:15:40

Date: 30, DEC, 2022 22:17:10

Middle Channel / 15MHz+5MHz

Middle Channel / 15MHz+5MHz

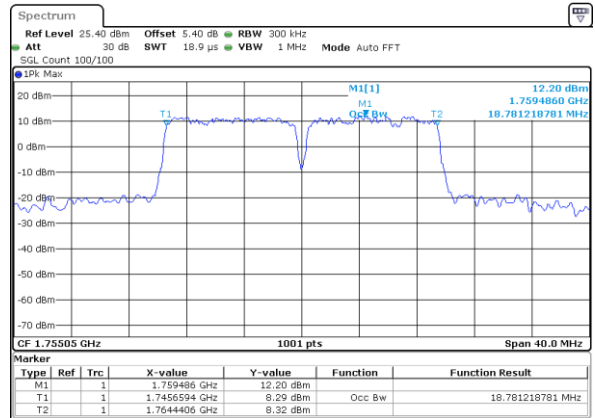
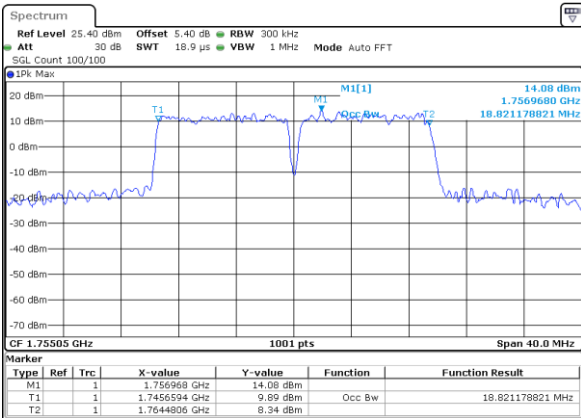


Date: 30, DEC, 2022 23:21:29

Date: 30, DEC, 2022 23:23:00

Middle Channel / 10MHz+10MHz

Middle Channel / 10MHz+10MHz



Date: 30, DEC, 2022 22:50:38

Date: 30, DEC, 2022 22:52:09

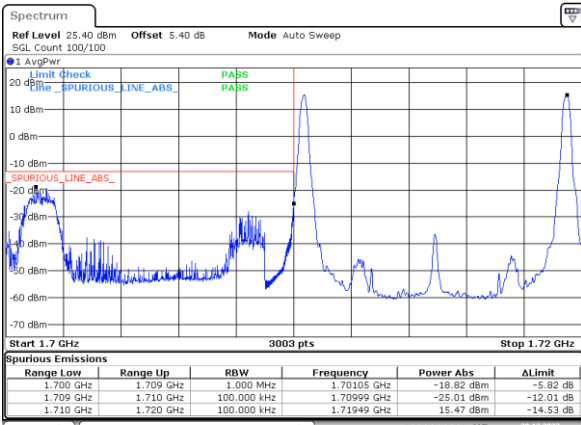


Conducted Band Edge

LTE Band 66B / 5MHz+5MHz

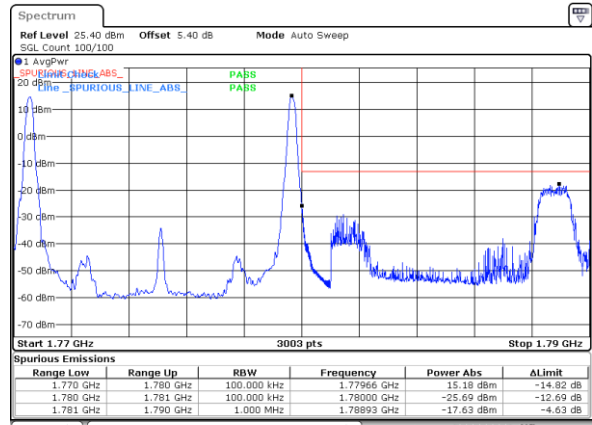
QPSK

Lowest Band Edge / 1RB0 and 1RBMAX



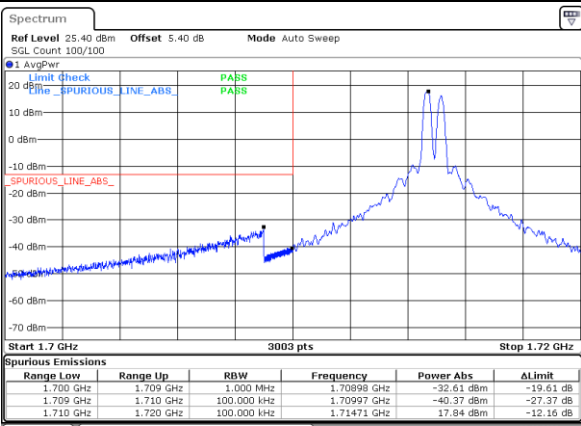
Date: 30, DEC, 2022 20:33:22

Highest Band Edge / 1RB0 and 1RBMAX



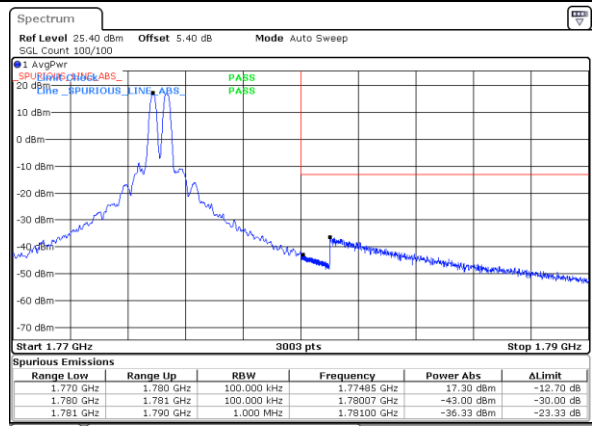
Date: 30, DEC, 2022 20:46:49

Lowest Band Edge / 1RBMAX and 1RB0

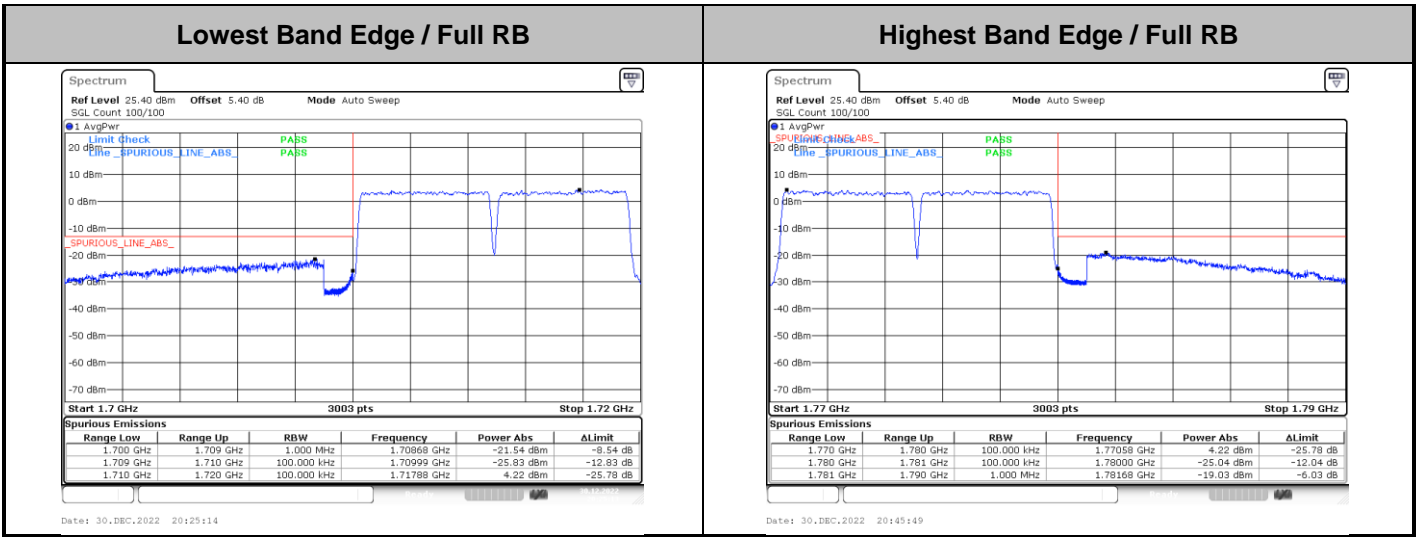


Date: 30, DEC, 2022 20:38:45

Highest Band Edge / 1RBMAX and 1RB0



Date: 30, DEC, 2022 20:53:47

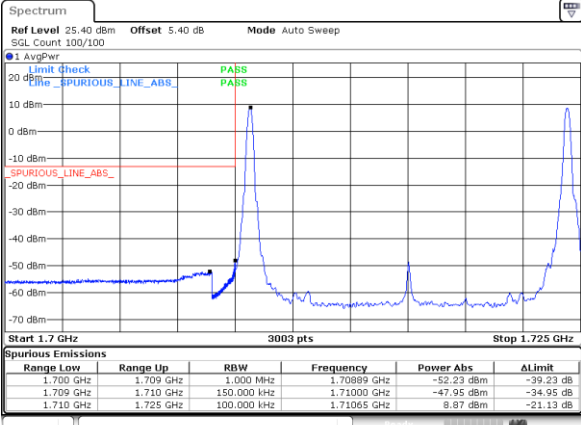




LTE Band 66B / 5MHz+10MHz

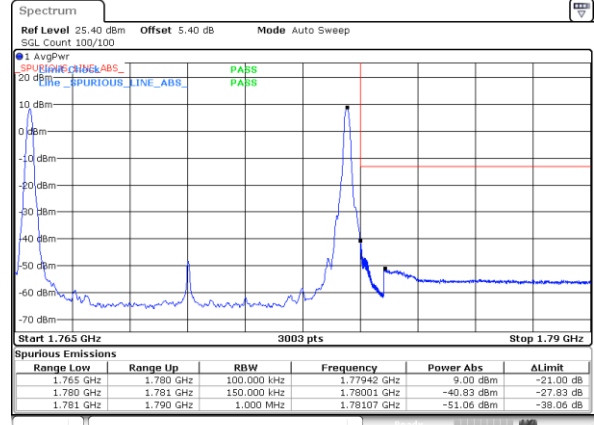
QPSK

Lowest Band Edge / 1RB0 and 1RBMAX



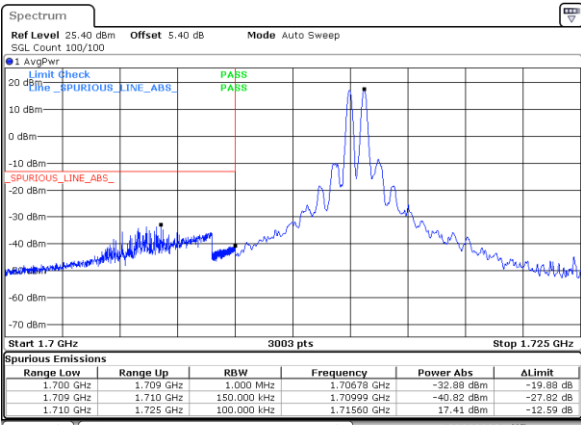
Date: 30, DEC, 2022 20:59:52

Highest Band Edge / 1RB0 and 1RBMAX



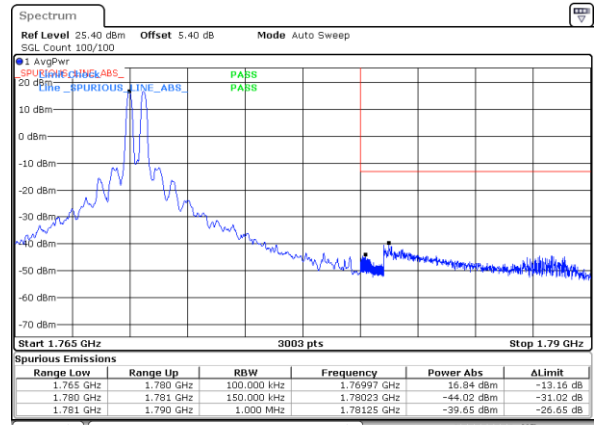
Date: 30, DEC, 2022 21:22:01

Lowest Band Edge / 1RBMAX and 1RB0



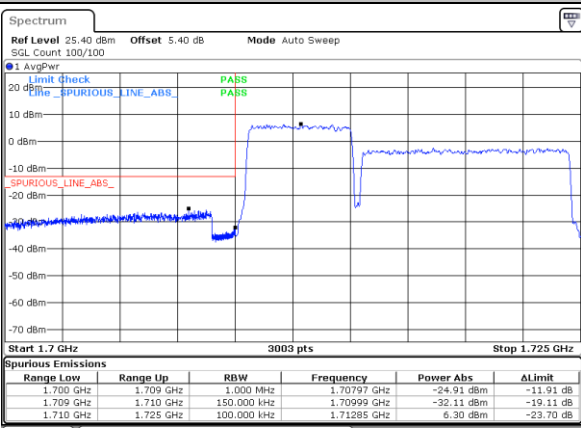
Date: 30, DEC, 2022 21:00:52

Highest Band Edge / 1RBMAX and 1RB0



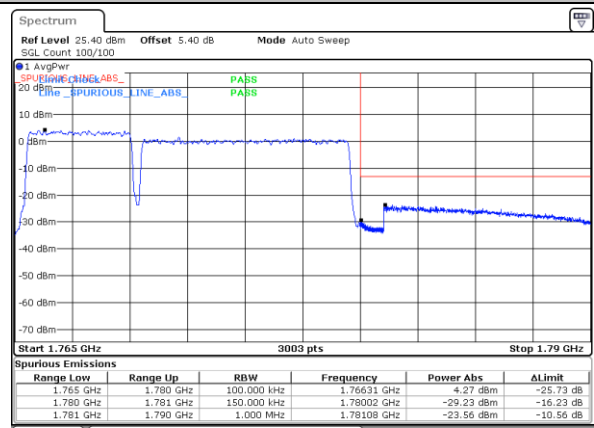
Date: 30, DEC, 2022 21:18:04

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 20:54:54

Highest Band Edge / Full RB



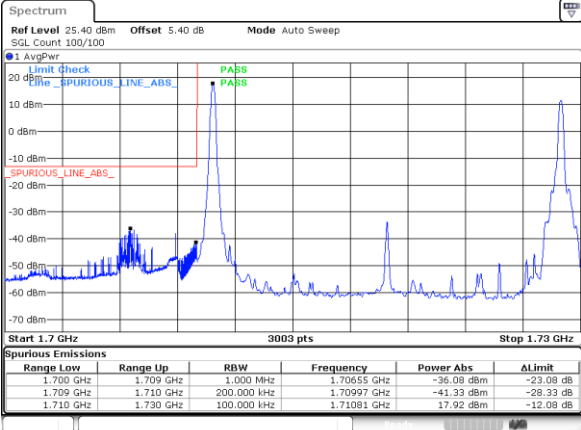
Date: 30, DEC, 2022 21:26:00



LTE Band 66B / 5MHz+15MHz

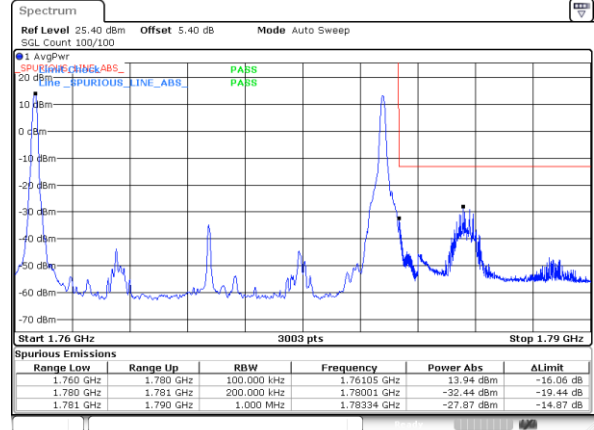
QPSK

Lowest Band Edge / 1RB0 and 1RBMAX



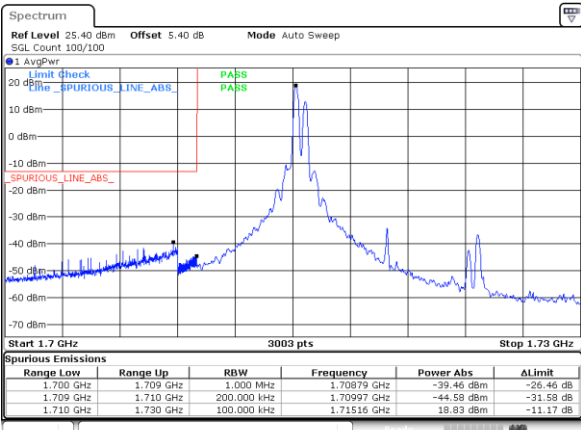
Date: 30, DEC, 2022 21:34:02

Highest Band Edge / 1RB0 and 1RBMAX



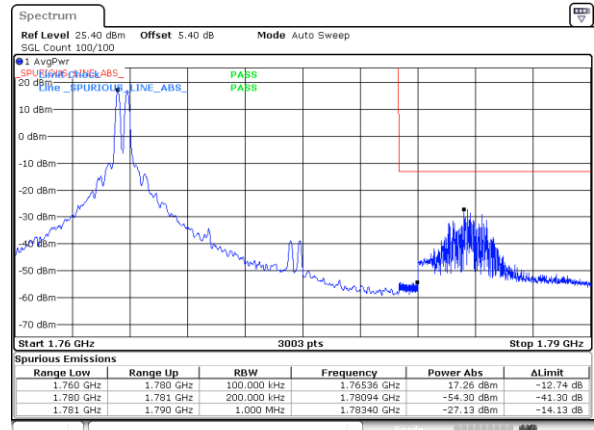
Date: 30, DEC, 2022 21:52:37

Lowest Band Edge / 1RBMAX and 1RB0



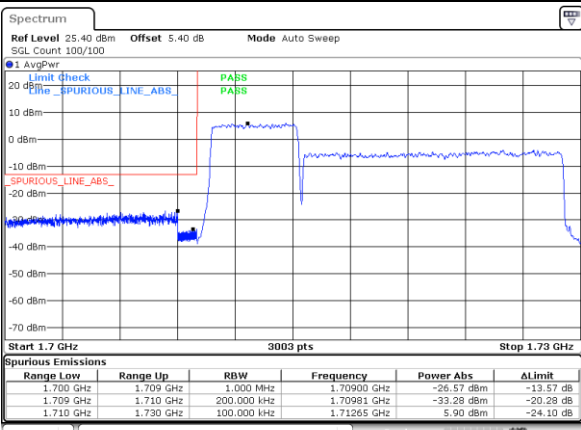
Date: 30, DEC, 2022 21:37:59

Highest Band Edge / 1RBMAX and 1RB0



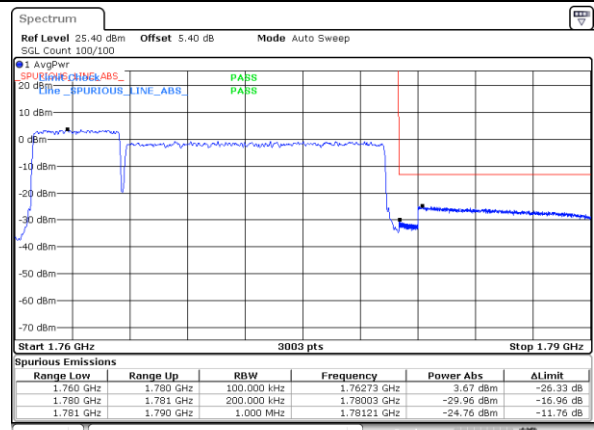
Date: 30, DEC, 2022 21:48:40

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 21:30:04

Highest Band Edge / Full RB



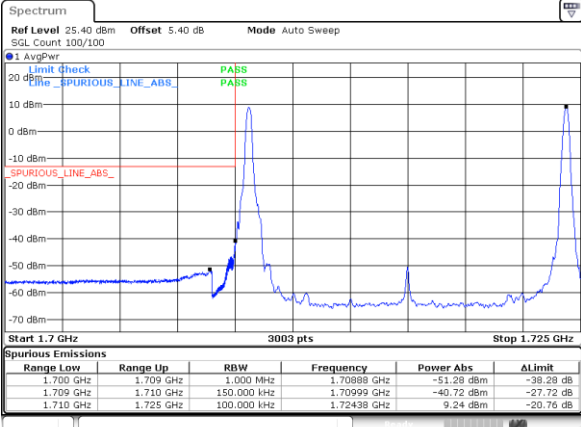
Date: 30, DEC, 2022 21:56:35



LTE Band 66B / 10MHz+5MHz

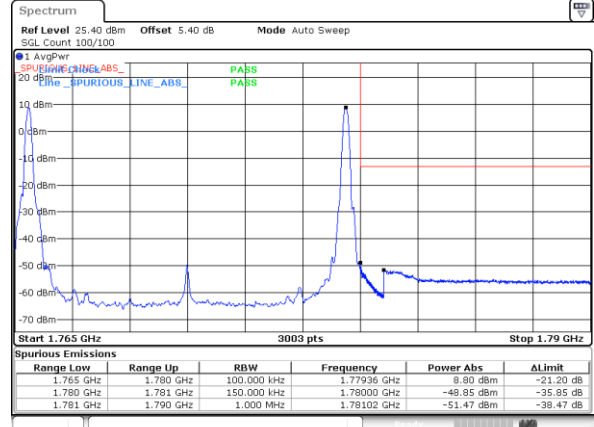
QPSK

Lowest Band Edge / 1RB0 and 1RBMAX



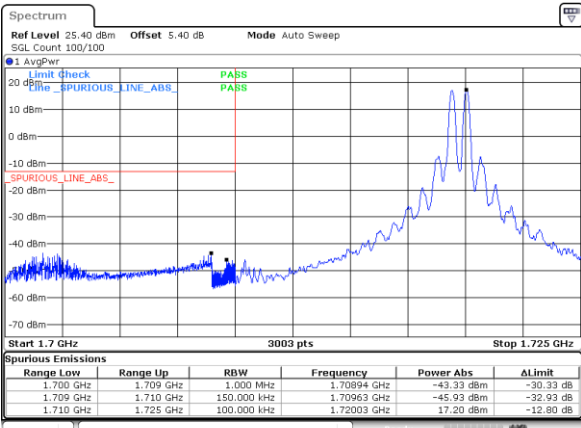
Date: 30, DEC, 2022 22:04:55

Highest Band Edge / 1RB0 and 1RBMAX



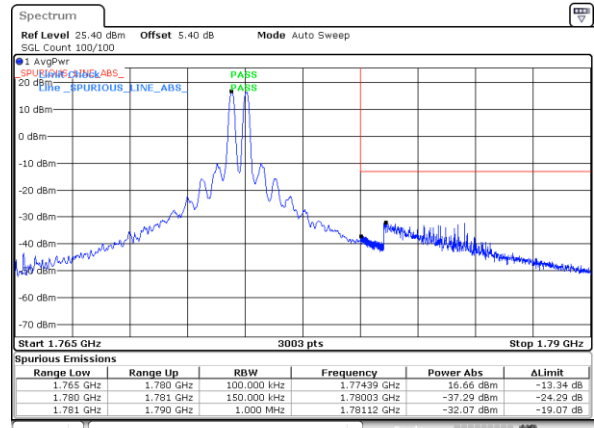
Date: 30, DEC, 2022 22:27:58

Lowest Band Edge / 1RBMAX and 1RB0



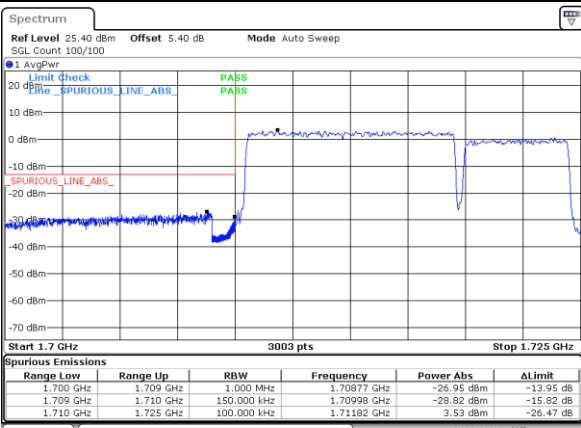
Date: 30, DEC, 2022 22:09:01

Highest Band Edge / 1RBMAX and 1RB0



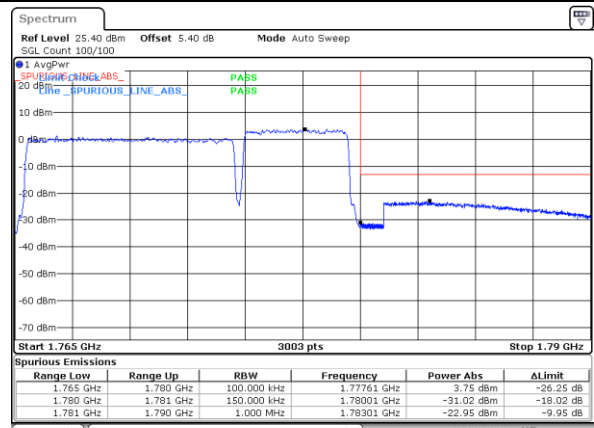
Date: 30, DEC, 2022 22:19:46

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 22:00:41

Highest Band Edge / Full RB



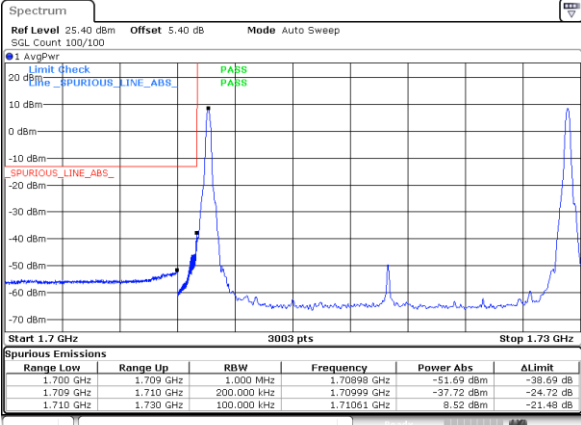
Date: 30, DEC, 2022 22:31:56



LTE Band 66B / 10MHz+10MHz

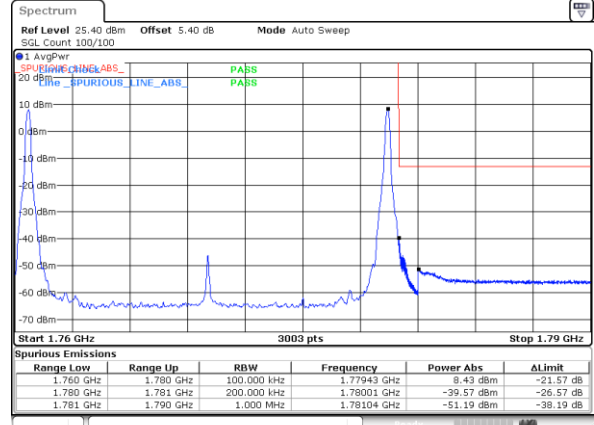
QPSK

Lowest Band Edge / 1RB0 and 1RBMAX



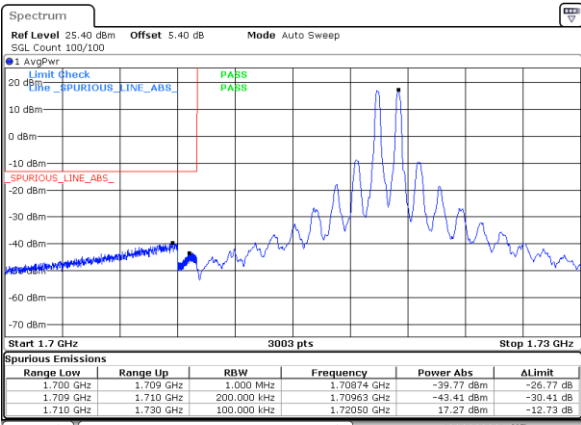
Date: 30, DEC, 2022 22:40:01

Highest Band Edge / 1RB0 and 1RBMAX



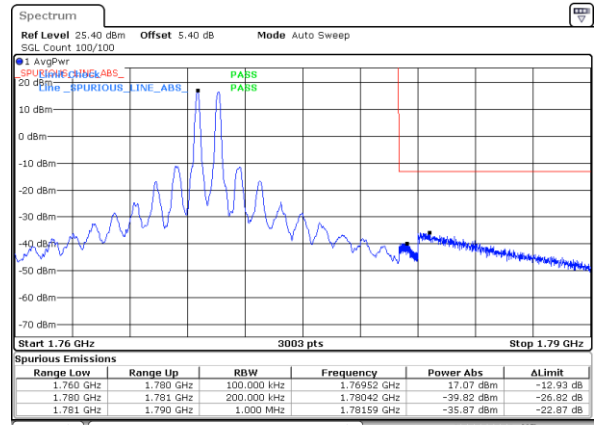
Date: 30, DEC, 2022 22:58:43

Lowest Band Edge / 1RBMAX and 1RB0



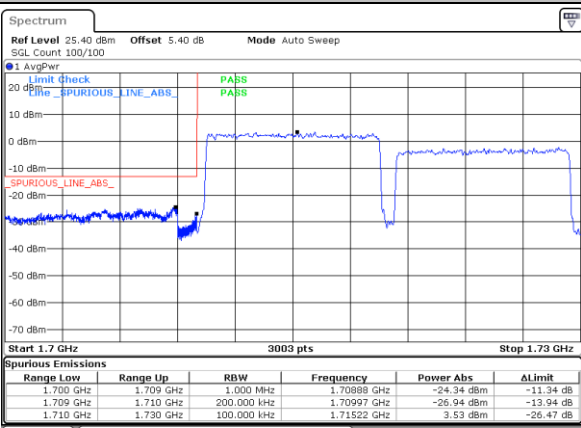
Date: 30, DEC, 2022 22:44:00

Highest Band Edge / 1RBMAX and 1RB0



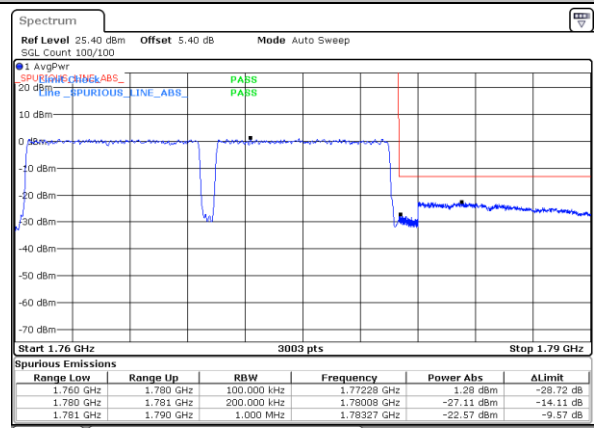
Date: 30, DEC, 2022 22:54:46

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 22:36:01

Highest Band Edge / Full RB



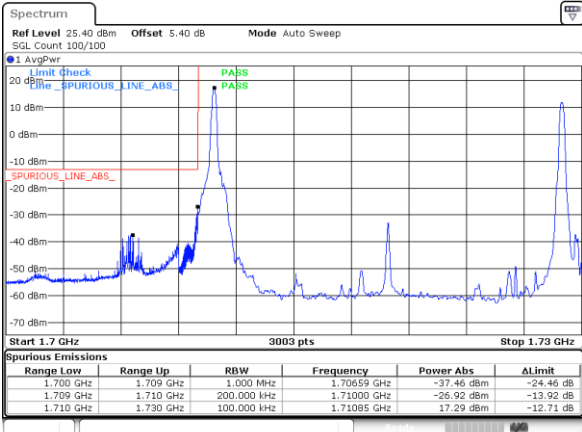
Date: 30, DEC, 2022 23:02:41



LTE Band 66B / 15MHz+5MHz

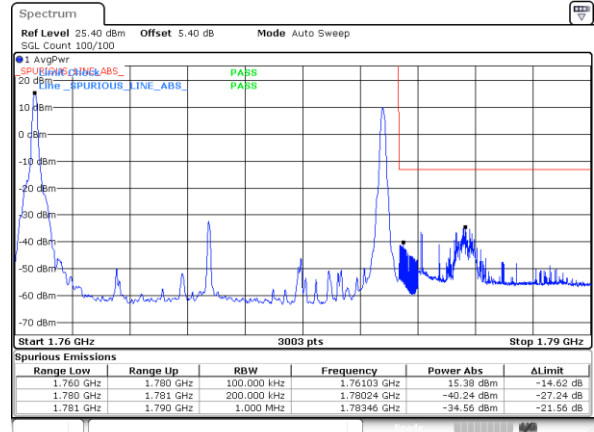
QPSK

Lowest Band Edge / 1RB0 and 1RBMAX



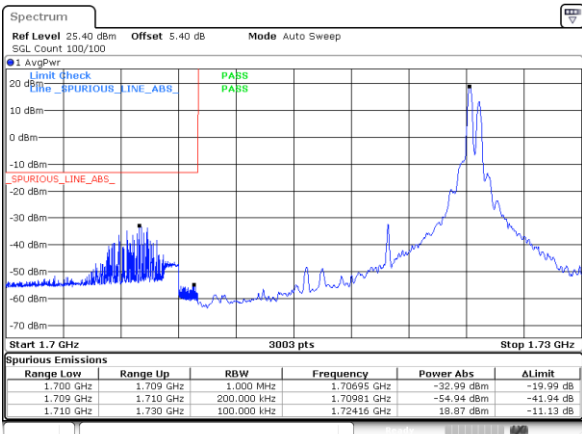
Date: 30, DEC, 2022 23:10:46

Highest Band Edge / 1RB0 and 1RBMAX



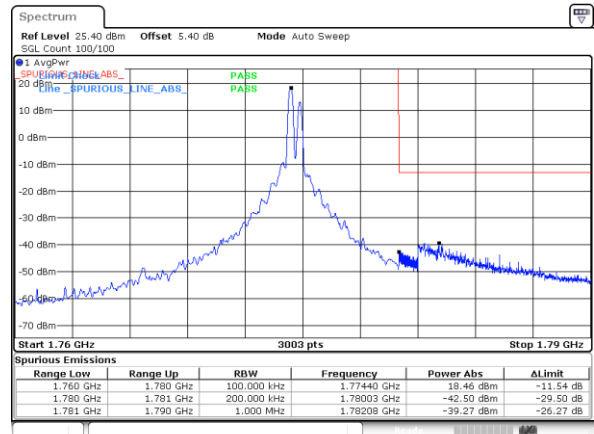
Date: 30, DEC, 2022 23:29:33

Lowest Band Edge / 1RBMAX and 1RB0



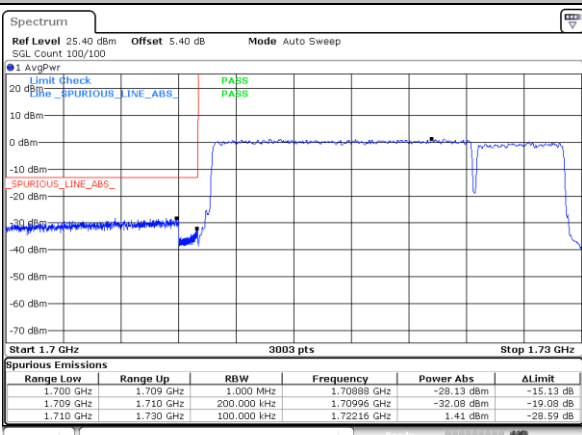
Date: 30, DEC, 2022 23:14:49

Highest Band Edge / 1RBMAX and 1RB0



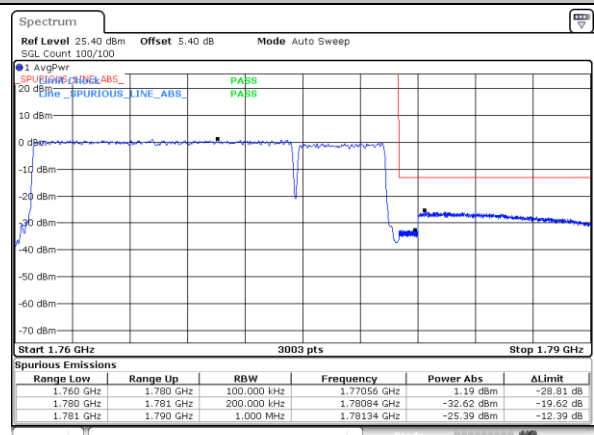
Date: 30, DEC, 2022 23:25:36

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 23:06:46

Highest Band Edge / Full RB



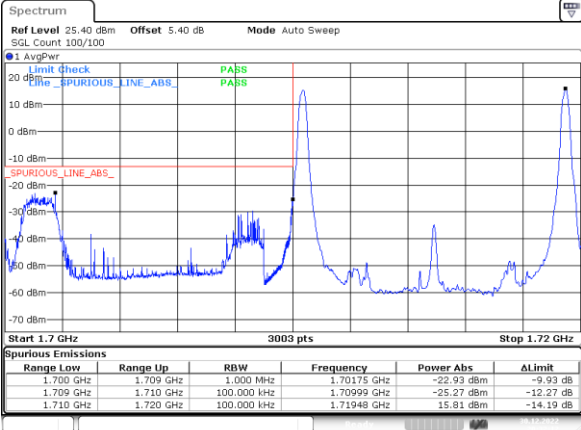
Date: 30, DEC, 2022 23:33:31



LTE Band 66B / 5MHz+5MHz

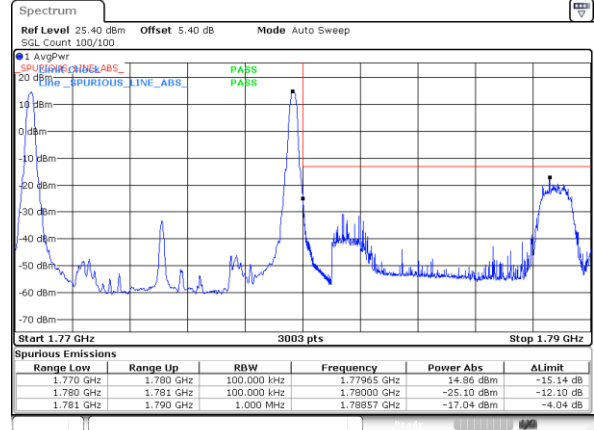
16QAM

Lowest Band Edge / 1RB0 and 1RBMAX



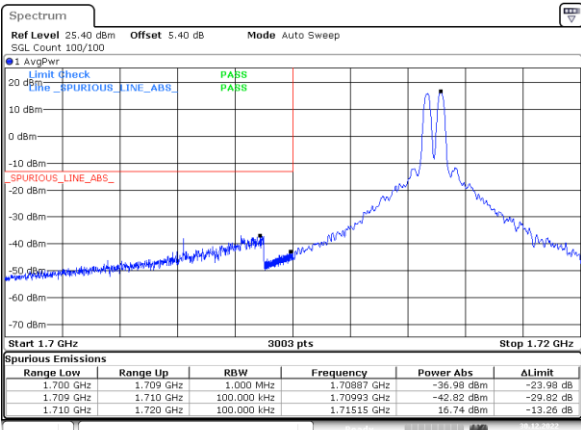
Date: 30, DEC, 2022 20:32:13

Highest Band Edge / 1RB0 and 1RBMAX



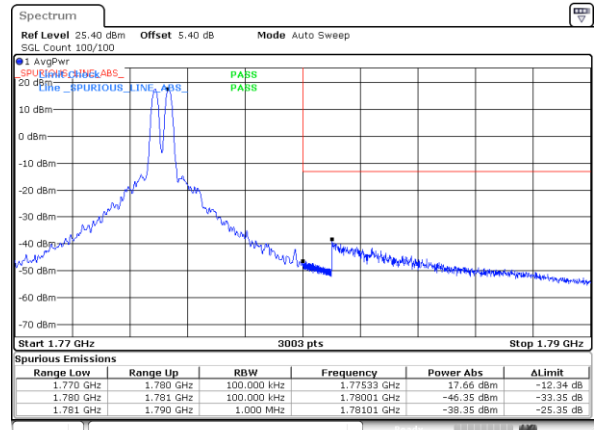
Date: 30, DEC, 2022 20:47:49

Lowest Band Edge / 1RBMAX and 1RB0



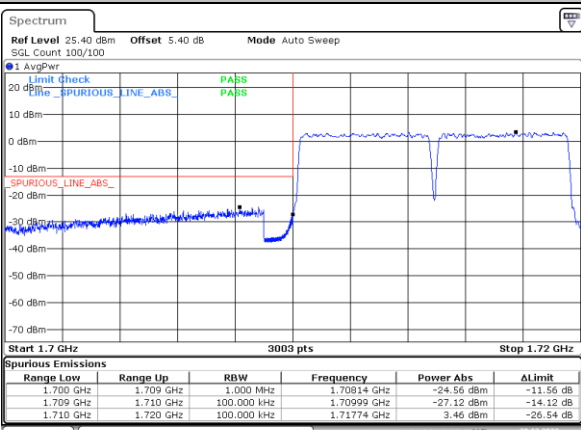
Date: 30, DEC, 2022 20:39:45

Highest Band Edge / 1RBMAX and 1RB0



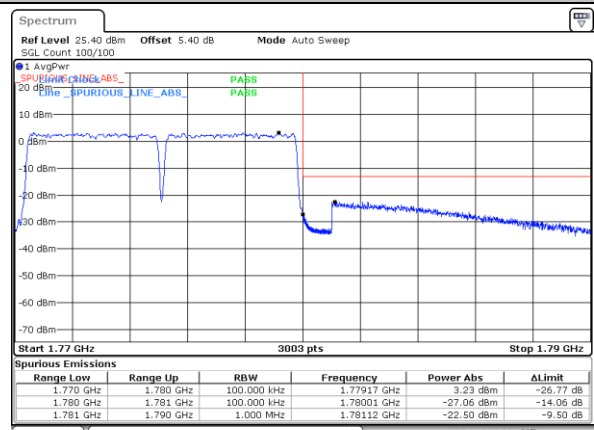
Date: 30, DEC, 2022 20:52:48

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 20:26:23

Highest Band Edge / Full RB



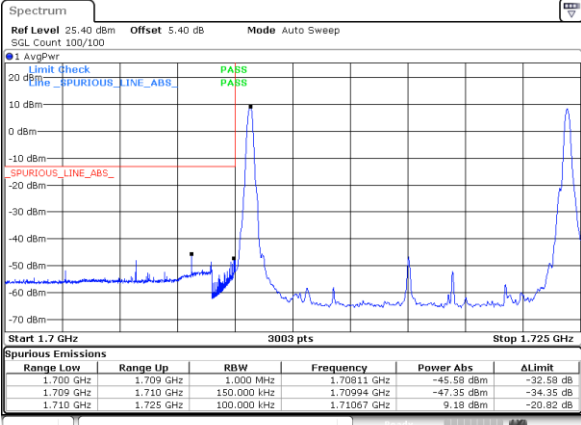
Date: 30, DEC, 2022 20:44:50



LTE Band 66B / 5MHz+10MHz

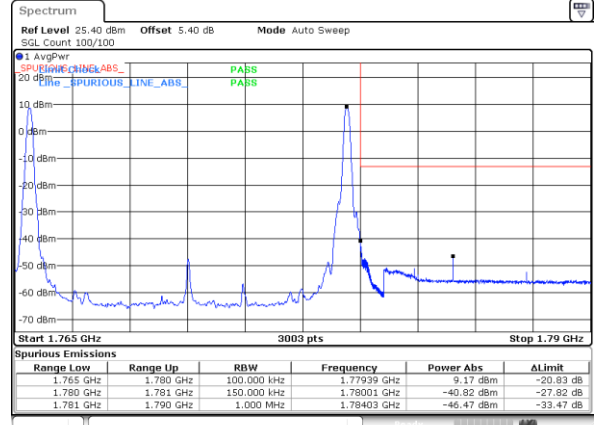
16QAM

Lowest Band Edge / 1RB0 and 1RBMAX



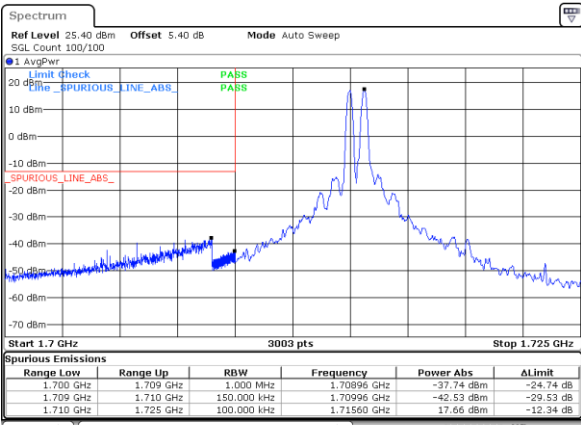
Date: 30, DEC, 2022 20:58:53

Highest Band Edge / 1RB0 and 1RBMAX



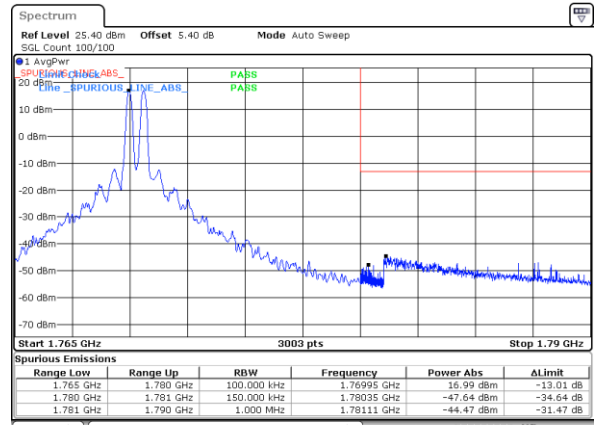
Date: 30, DEC, 2022 21:23:01

Lowest Band Edge / 1RBMAX and 1RB0



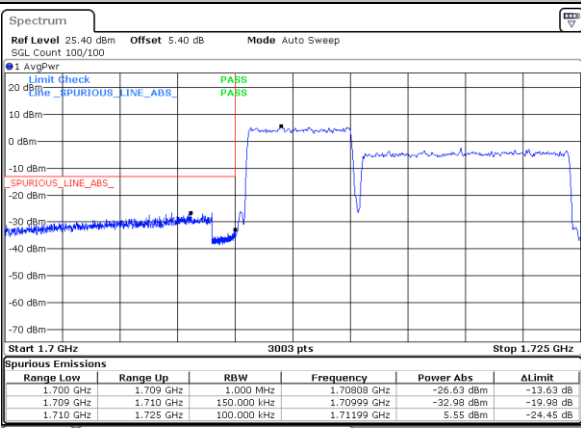
Date: 30, DEC, 2022 21:01:52

Highest Band Edge / 1RBMAX and 1RB0



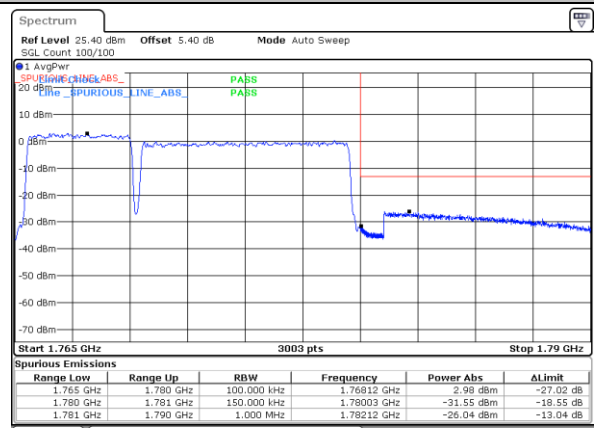
Date: 30, DEC, 2022 21:19:03

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 20:55:53

Highest Band Edge / Full RB



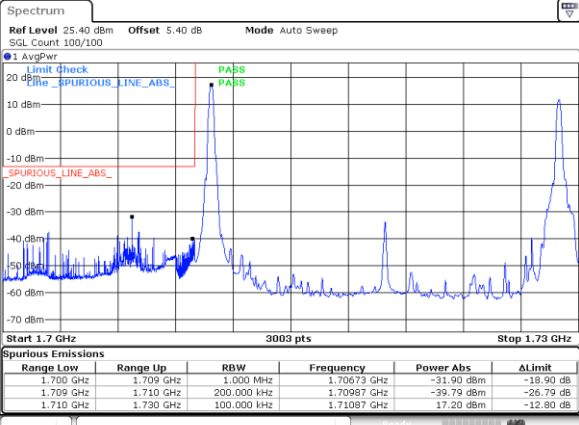
Date: 30, DEC, 2022 21:26:59



LTE Band 66B/ 5MHz+15MHz

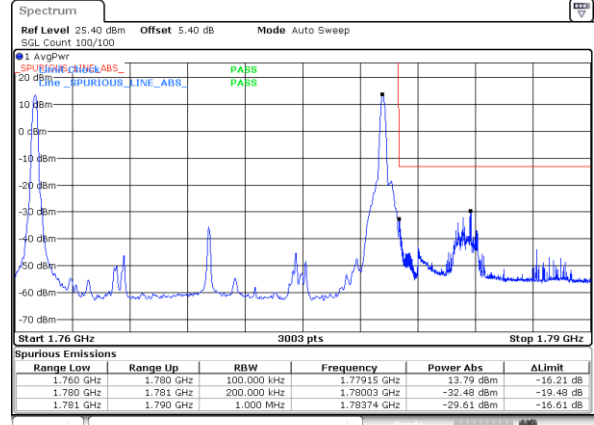
16QAM

Lowest Band Edge / 1RB0 and 1RBMAX



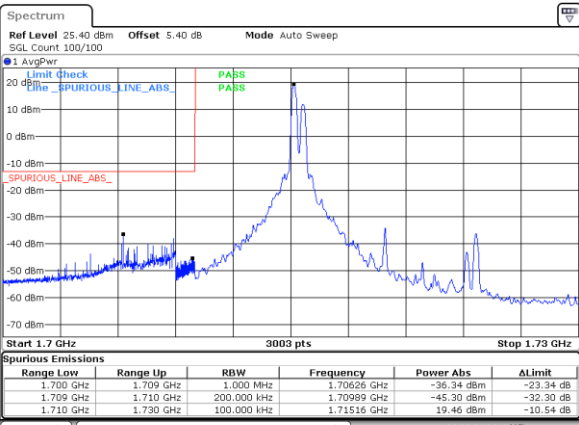
Date: 30, DEC, 2022 21:35:01

Highest Band Edge / 1RB0 and 1RBMAX



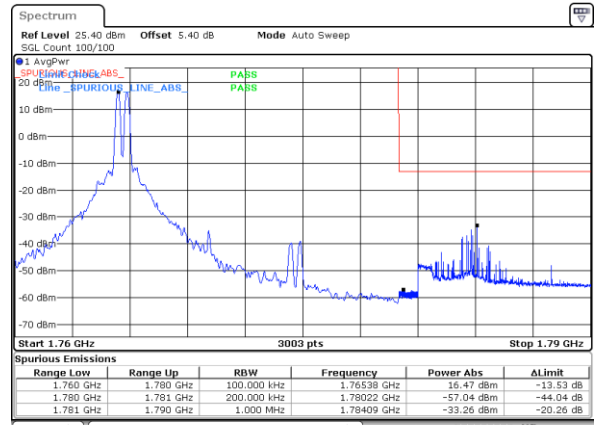
Date: 30, DEC, 2022 21:53:36

Lowest Band Edge / 1RBMAX and 1RB0



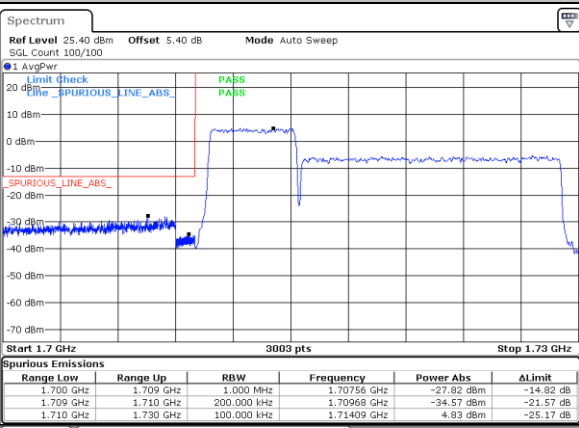
Date: 30, DEC, 2022 21:38:58

Highest Band Edge / 1RBMAX and 1RB0



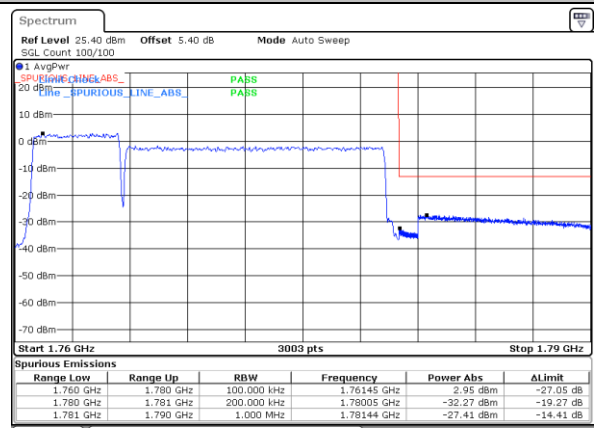
Date: 30, DEC, 2022 21:49:39

Lowest Band Edge / Full RB



Date: 30, DEC, 2022 21:31:03

Highest Band Edge / Full RB



Date: 30, DEC, 2022 21:57:35