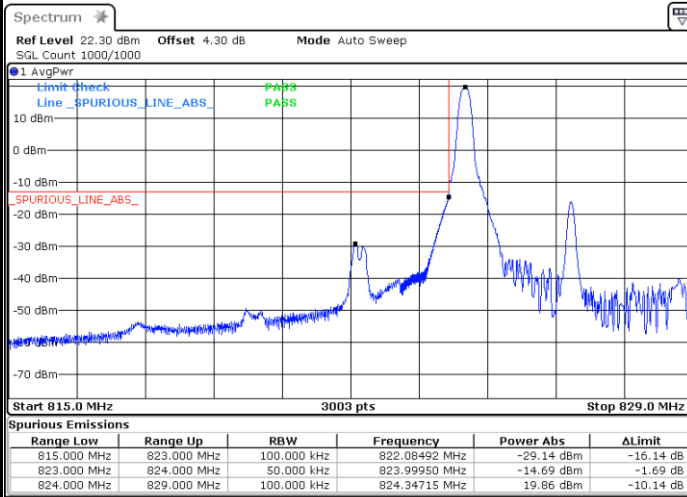




Conducted Band Edge

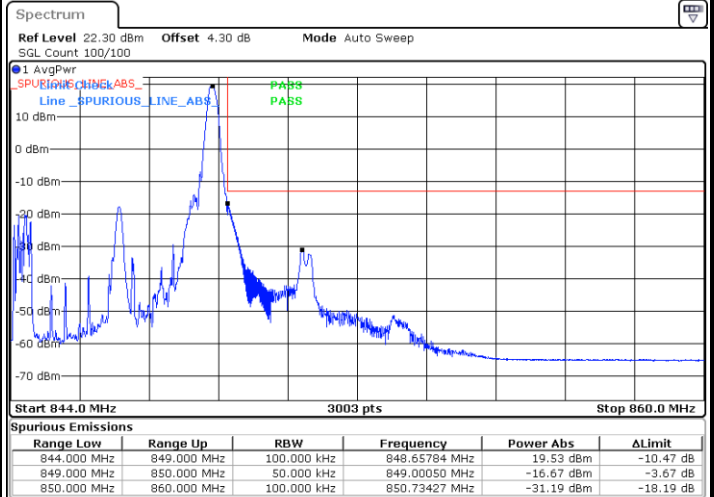
EN-DC_2A_n5A / LTE 20MHz + NR 5MHz / BPSK

Lowest Band Edge / 1RB0



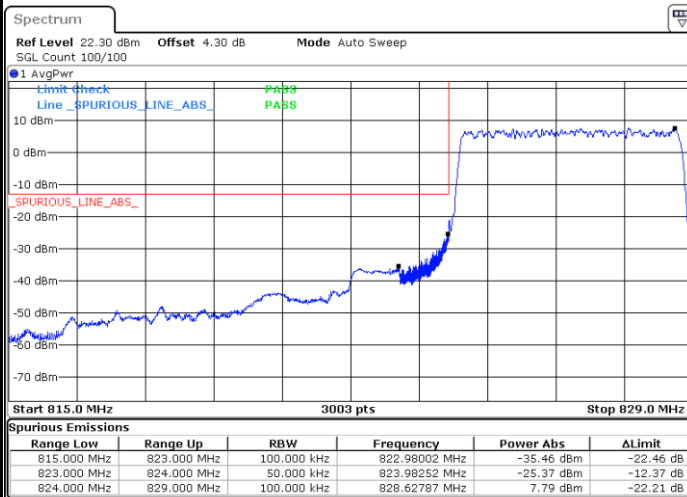
Date: 17 JAN 2020 14:32:58

Highest Band Edge / 1RB24



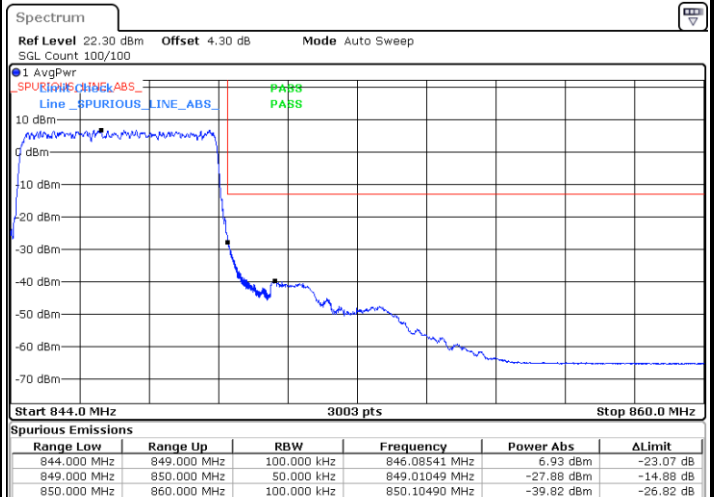
Date: 18 JAN 2020 18:58:26

Lowest Band Edge / 25RB0



Date: 17 JAN 2020 13:37:24

Highest Band Edge / 25RB0



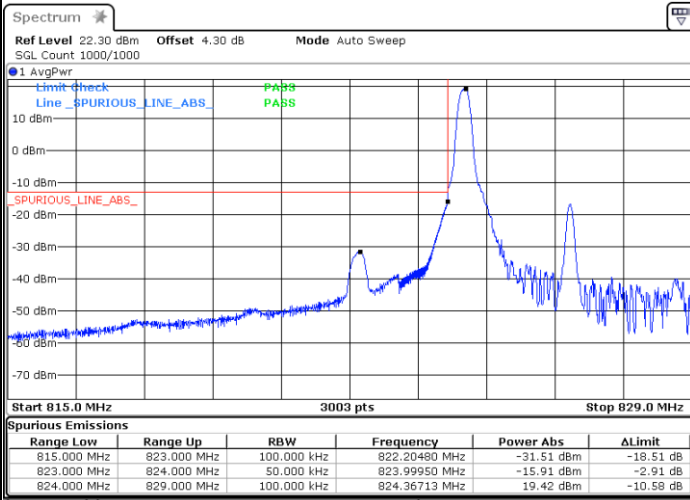
Date: 18 JAN 2020 19:12:16



EN-DC_2A_n5A / LTE 20MHz + NR 5MHz / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB24



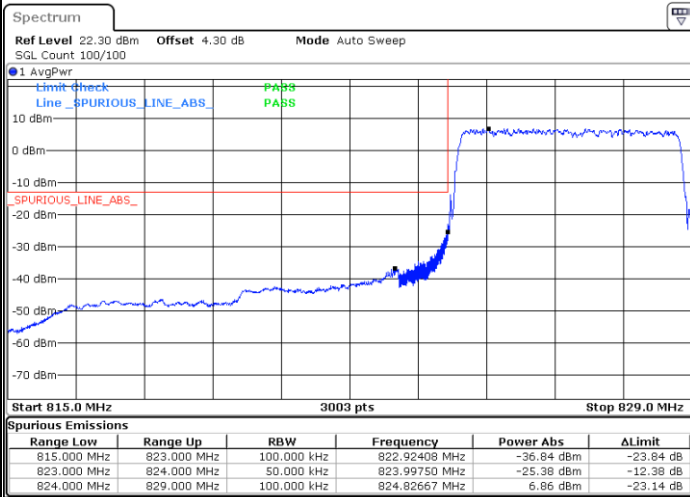
Date: 17.JAN.2020 14:22:18



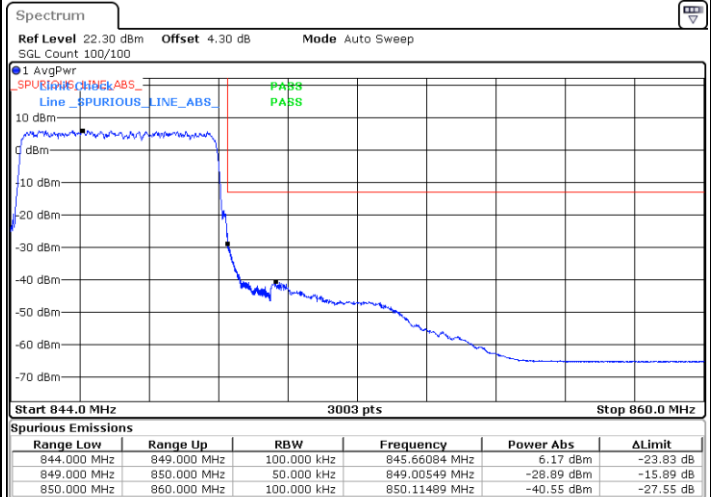
Date: 18.JAN.2020 19:07:35

Lowest Band Edge / 25RB0

Highest Band Edge / 25RB0



Date: 17.JAN.2020 13:26:25

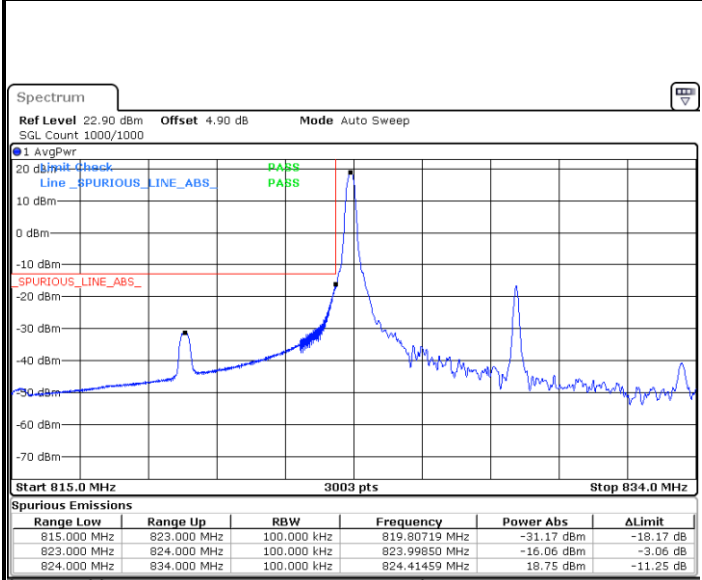


Date: 18.JAN.2020 19:10:46



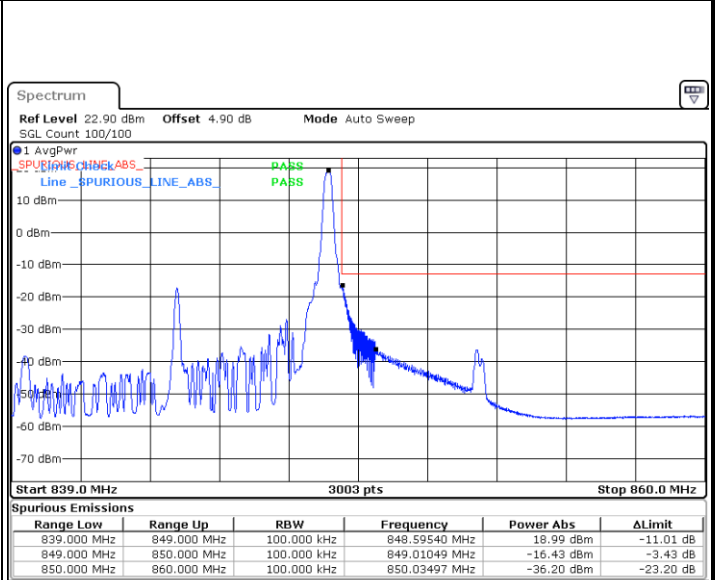
EN-DC_2A_n5A / LTE 20MHz + NR 10MHz / BPSK

Lowest Band Edge / 1RB0



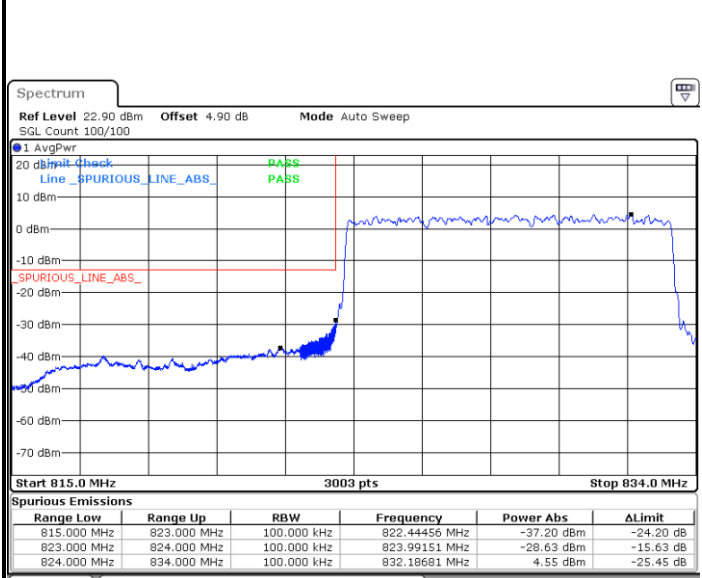
Date: 16 JAN 2020 19:41:37

Highest Band Edge / 1RB5



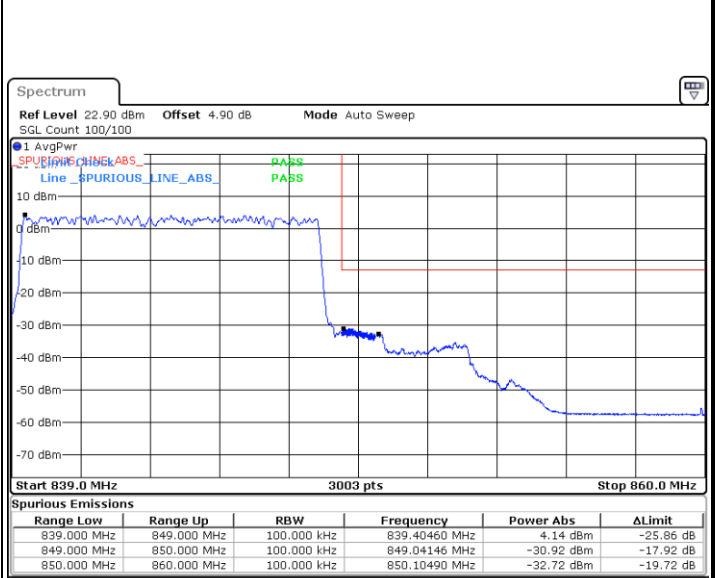
Date: 16 JAN 2020 20:03:22

Lowest Band Edge / 50RB0



Date: 16 JAN 2020 13:44:48

Highest Band Edge / 50RB0



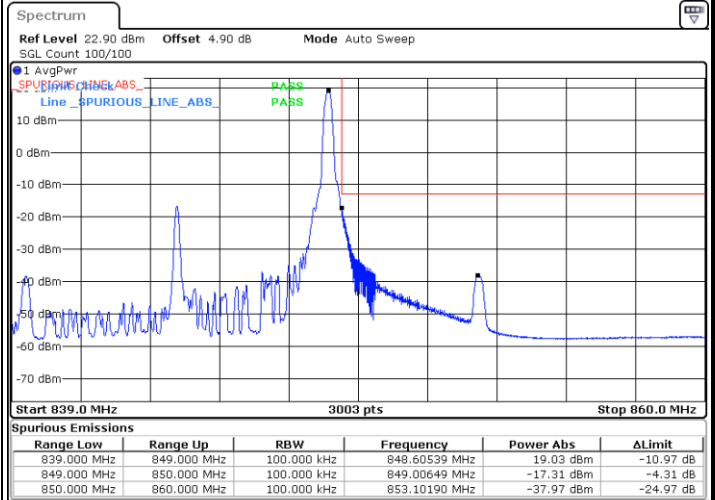
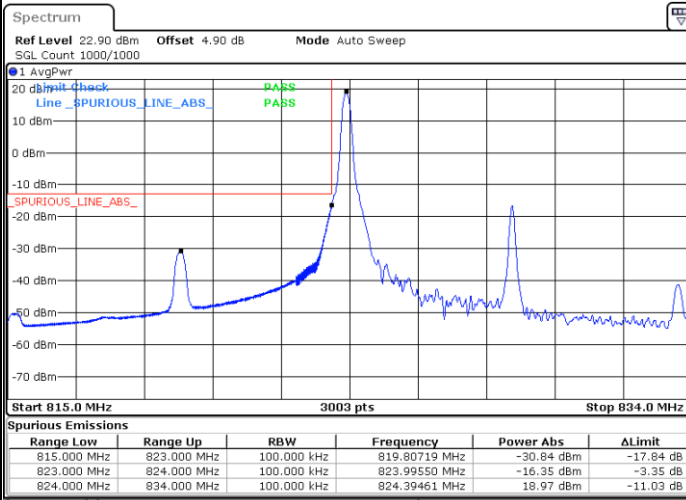
Date: 16 JAN 2020 20:01:36



EN-DC_2A_n5A / LTE 20MHz + NR 10MHz / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB51

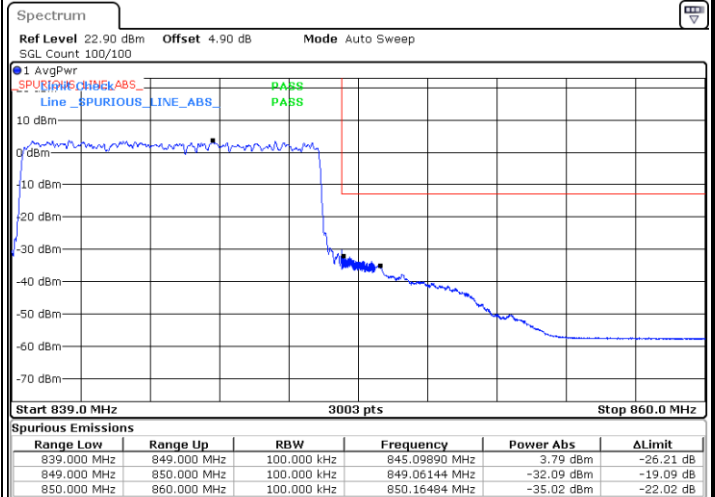
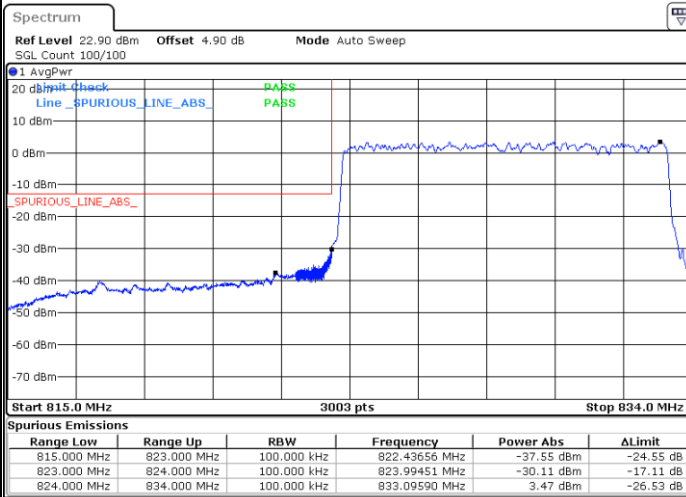


Date: 16 JAN 2020 19:36:47

Date: 16 JAN 2020 20:04:59

Lowest Band Edge / 50RB0

Highest Band Edge / 50RB0



Date: 16 JAN 2020 19:31:34

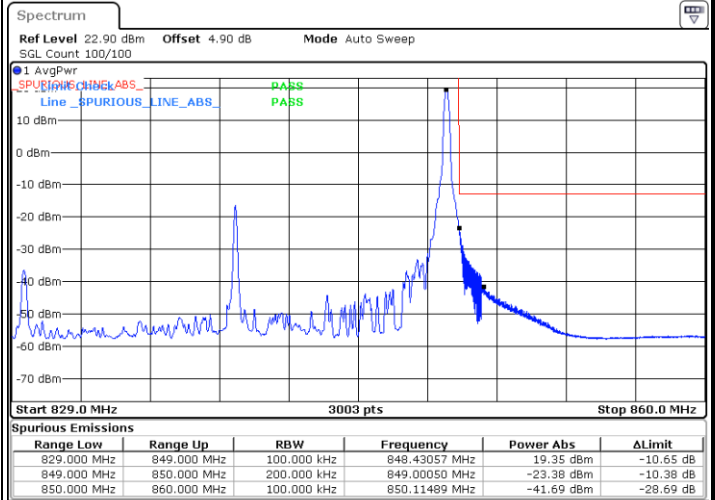
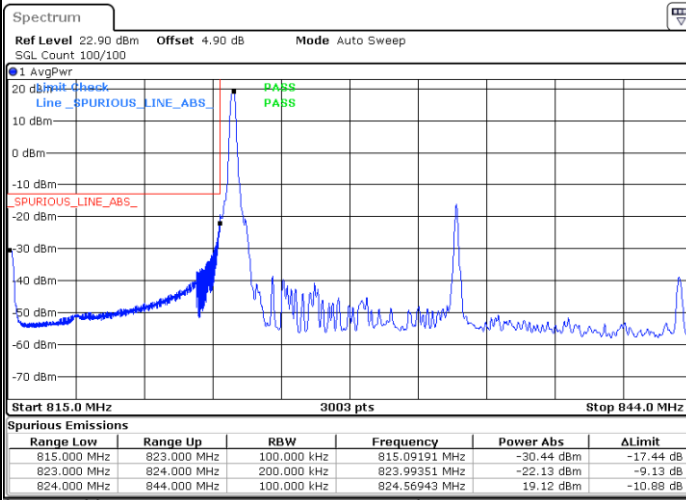
Date: 16 JAN 2020 19:59:51



EN-DC_2A_n5A / LTE 20MHz + NR 20MHz / BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB105

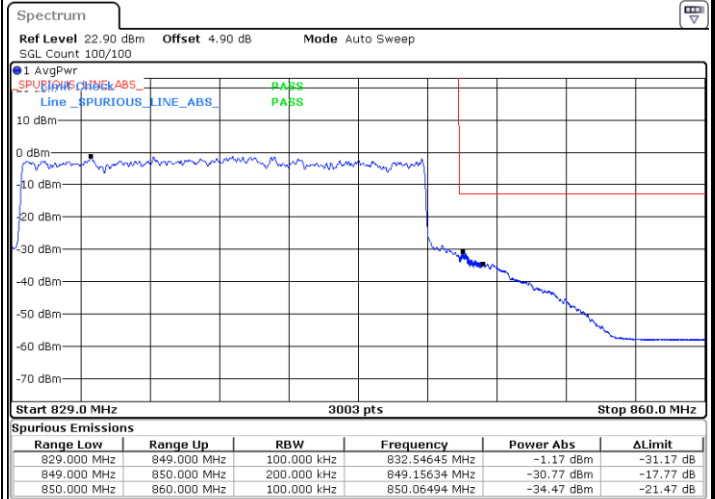
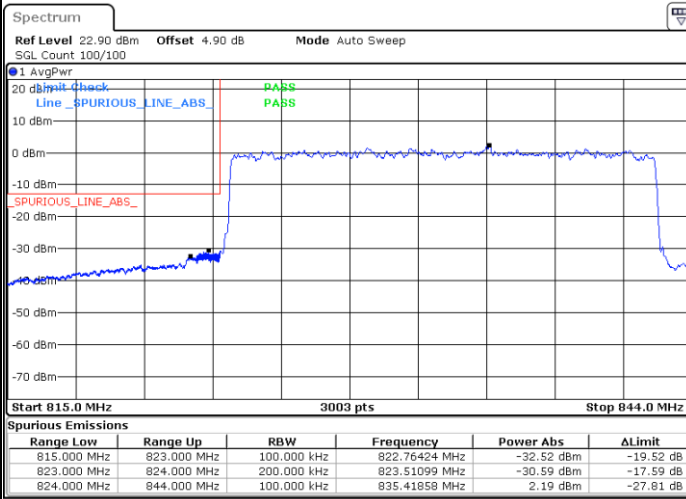


Date: 16 JAN 2020 09:13:07

Date: 16 JAN 2020 13:27:54

Lowest Band Edge / 100RB0

Highest Band Edge / 100RB0



Date: 16 JAN 2020 09:15:57

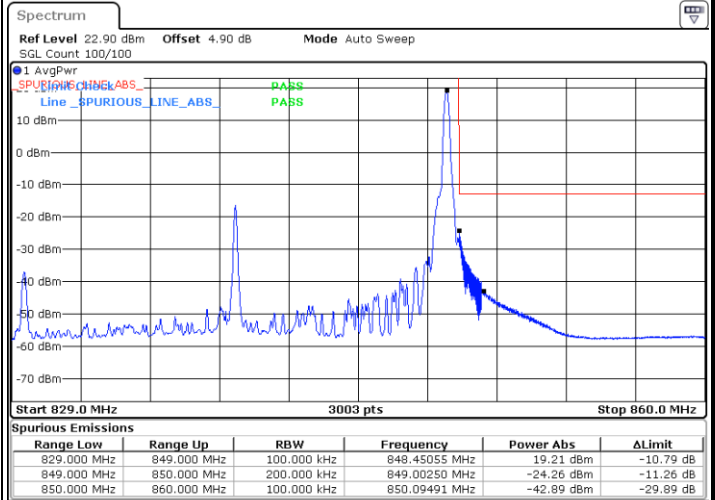
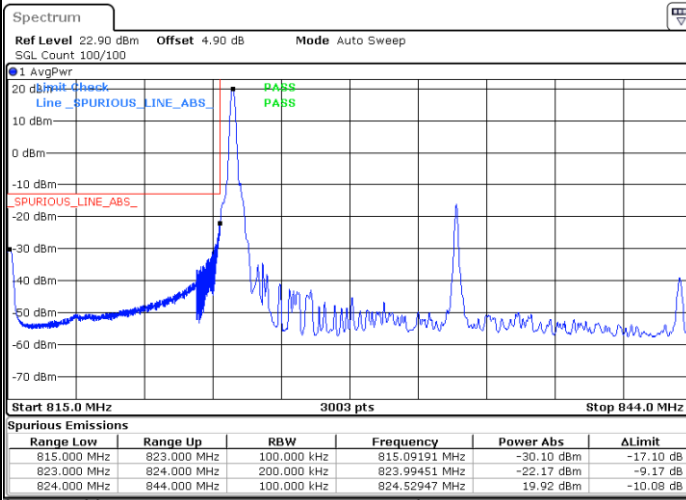
Date: 16 JAN 2020 13:32:02



EN-DC_2A_n5A / LTE 20MHz + NR 20MHz / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB105

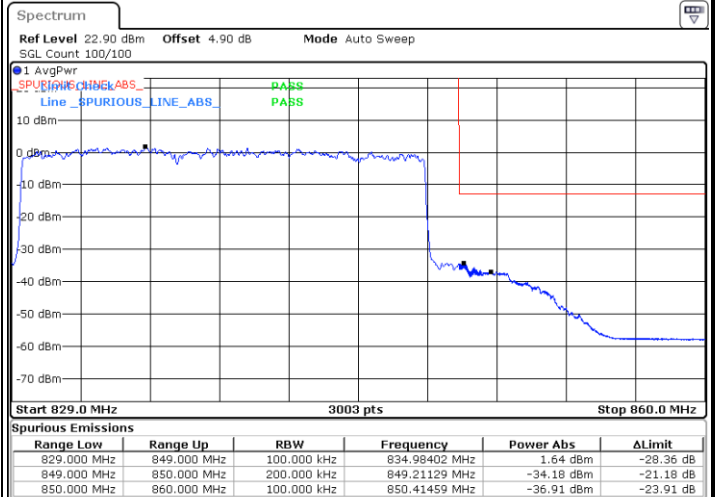
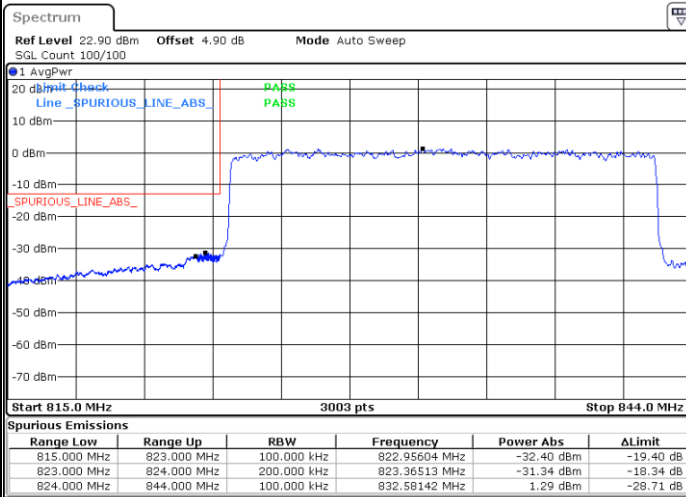


Date: 16 JAN 2020 09:07:10

Date: 16 JAN 2020 13:26:42

Lowest Band Edge / 100RB0

Highest Band Edge / 100RB0



Date: 16 JAN 2020 09:03:58

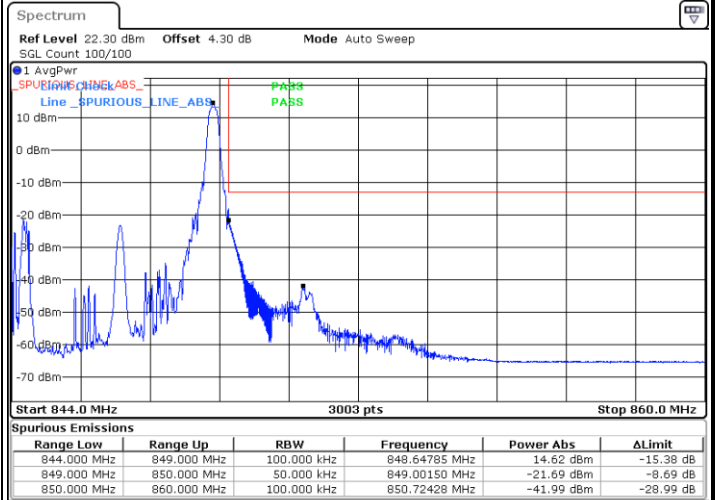
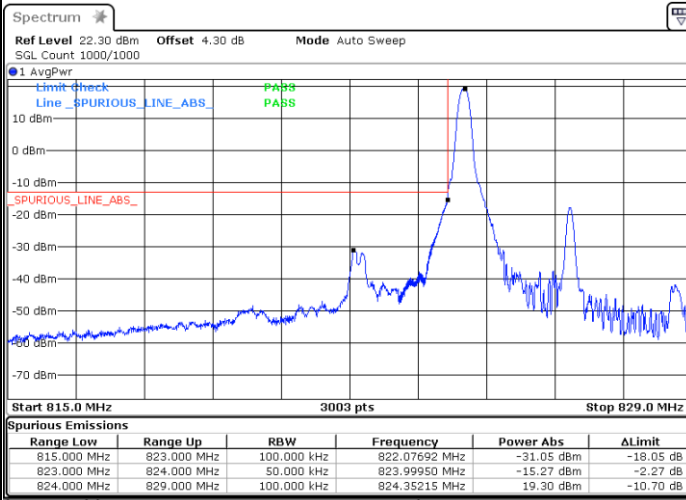
Date: 16 JAN 2020 13:06:08



EN-DC_66A_n5A / LTE 20MHz + NR 5MHz / BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB24

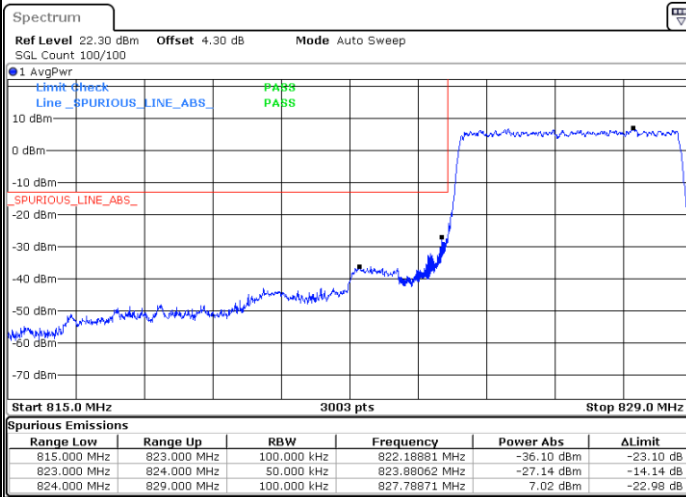


Date: 18 JAN 2020 20:11:59

Date: 18 JAN 2020 20:42:36

Lowest Band Edge / 25RB0

Highest Band Edge / 25RB0



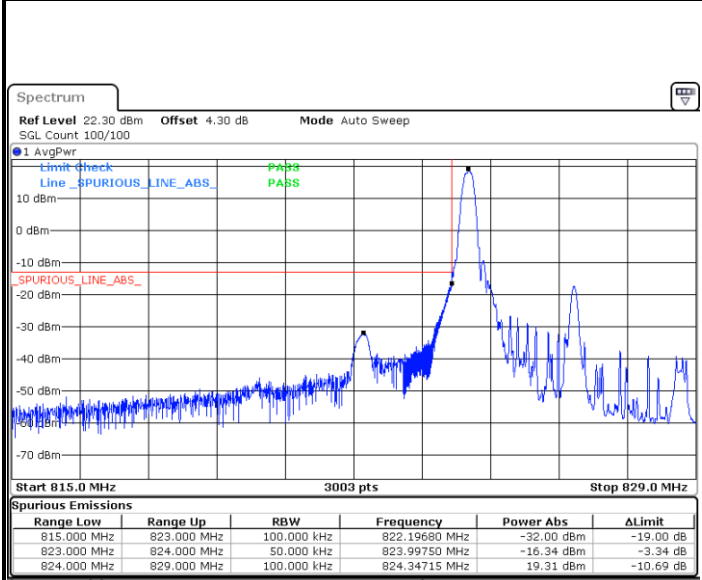
Date: 18 JAN 2020 19:56:39

Date: 18 JAN 2020 20:38:15



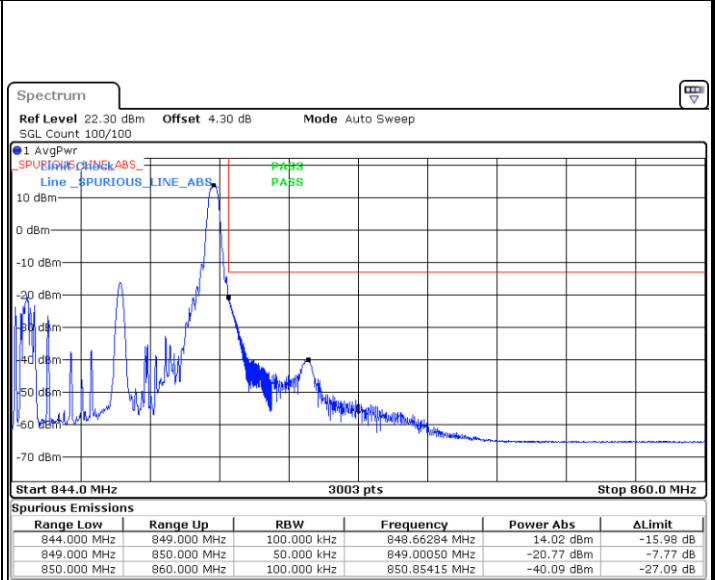
EN-DC_66A_n5A / LTE 20MHz + NR 5MHz / QPSK

Lowest Band Edge / 1RB0



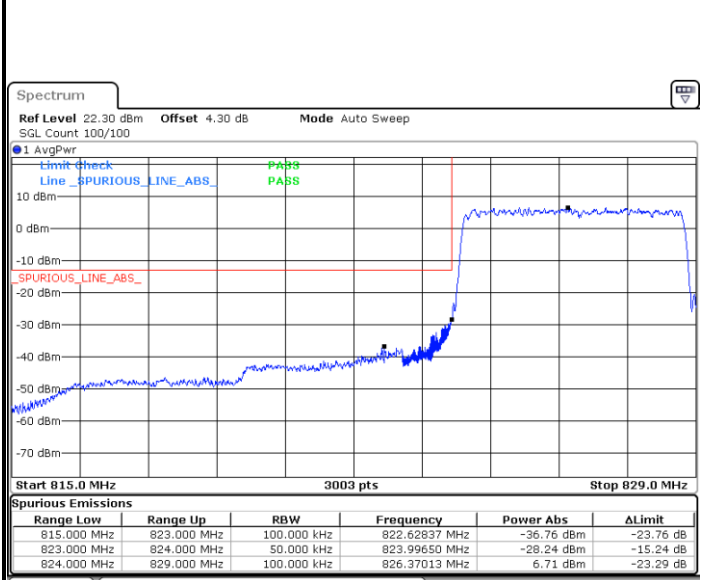
Date: 18. JAN 2020 20:16:05

Highest Band Edge / 1RB24



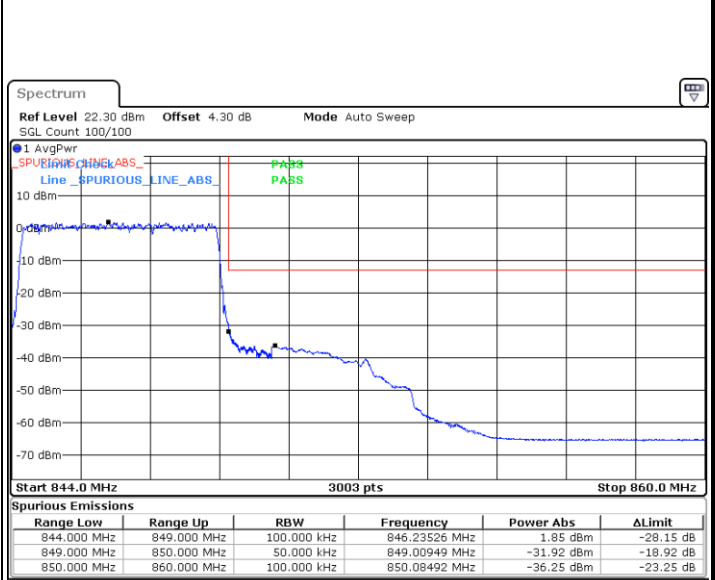
Date: 18. JAN 2020 20:41:17

Lowest Band Edge / 25RB0



Date: 18. JAN 2020 19:54:21

Highest Band Edge / 25RB0

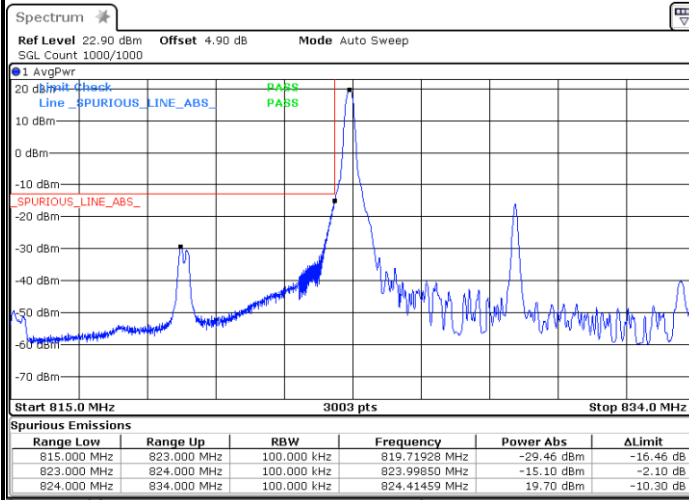


Date: 18. JAN 2020 20:35:39



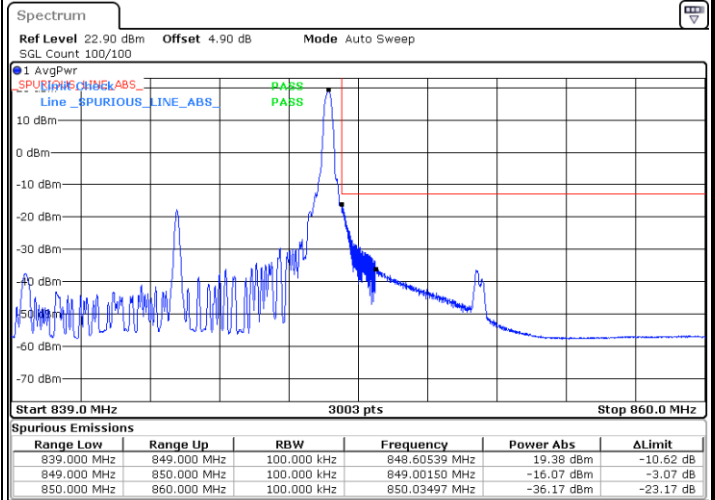
EN-DC_66A_n5A / LTE 20MHz + NR 10MHz / BPSK

Lowest Band Edge / 1RB0



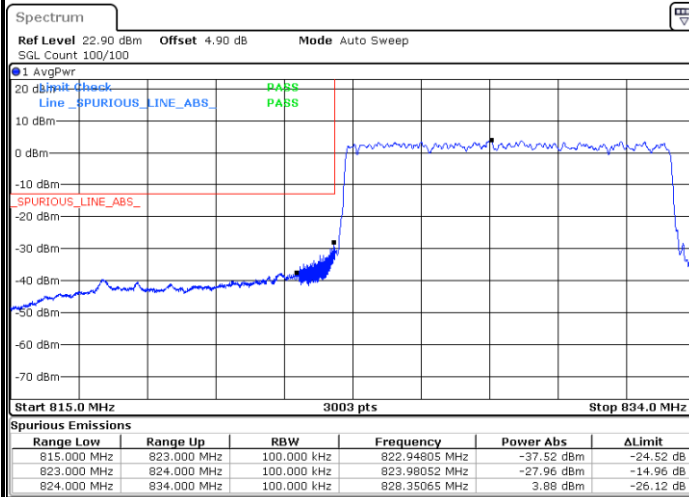
Date: 27.FEB.2020 09:29:22

Highest Band Edge / 1RB51



Date: 17.JAN.2020 09:33:10

Lowest Band Edge / 50RB0



Date: 16.JAN.2020 21:53:25

Highest Band Edge / 50RB0

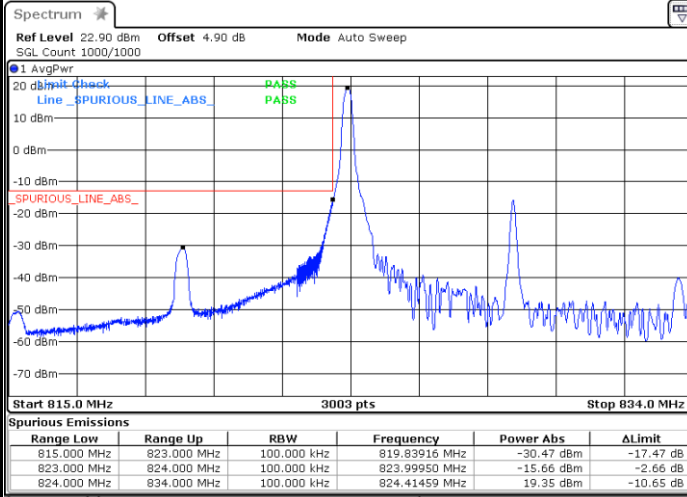


Date: 16.JAN.2020 22:15:26



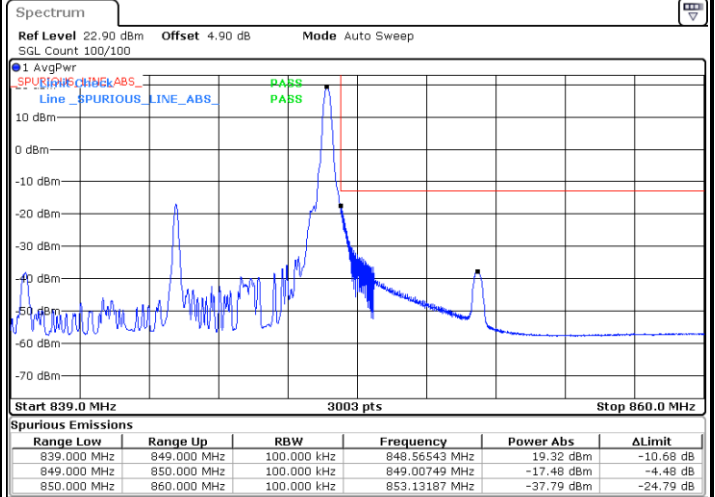
EN-DC_66A_n5A / LTE 20MHz + NR 10MHz / QPSK

Lowest Band Edge / 50RB0



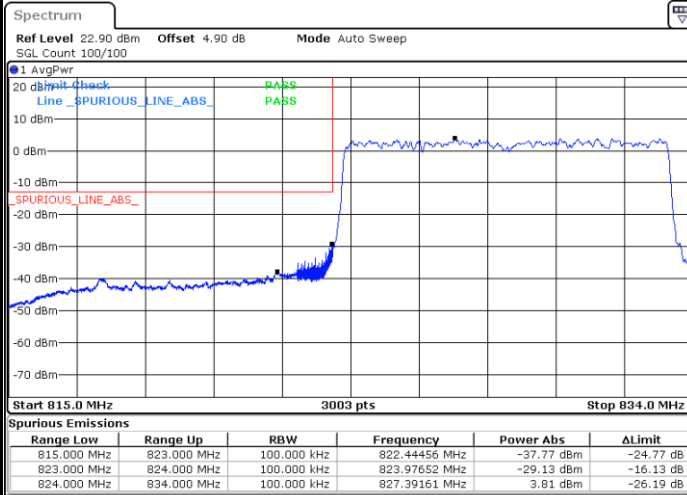
Date: 27.FEB.2020 09:33:24

Highest Band Edge / 50RB0



Date: 16.JAN.2020 22:18:47

Lowest Band Edge / Full RB



Date: 16.JAN.2020 21:56:07

Highest Band Edge / Full RB



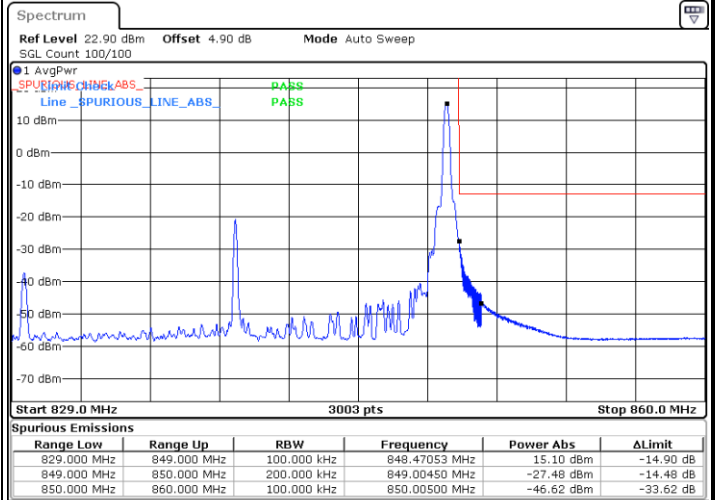
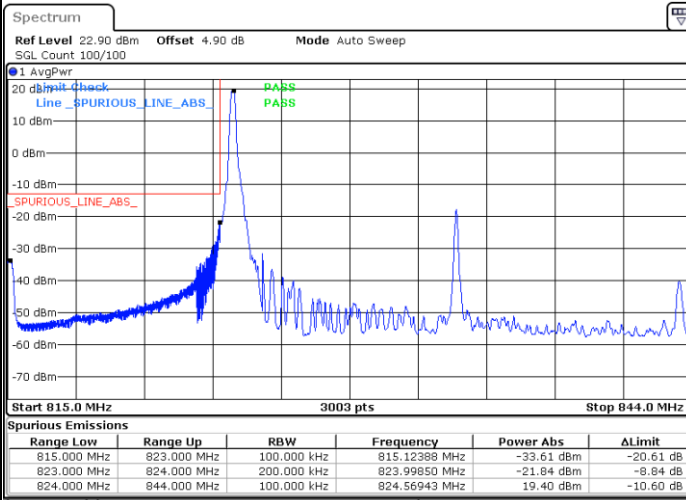
Date: 16.JAN.2020 22:17:22



EN-DC_66A_n5A / LTE 20MHz + NR 20MHz / BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB105

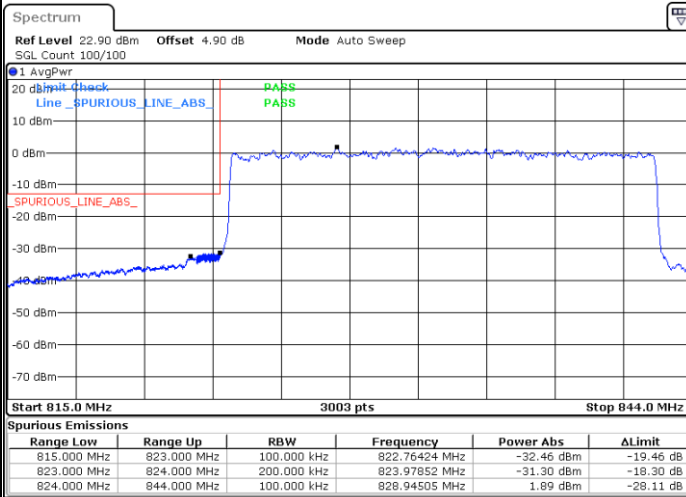


Date: 16 JAN 2020 20:30:15

Date: 16 JAN 2020 20:51:54

Lowest Band Edge / 100RB0

Highest Band Edge / 100RB0



Date: 16 JAN 2020 20:33:51

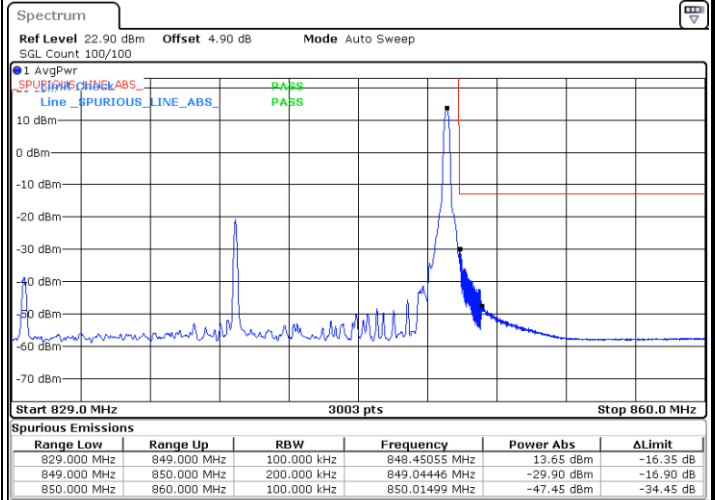
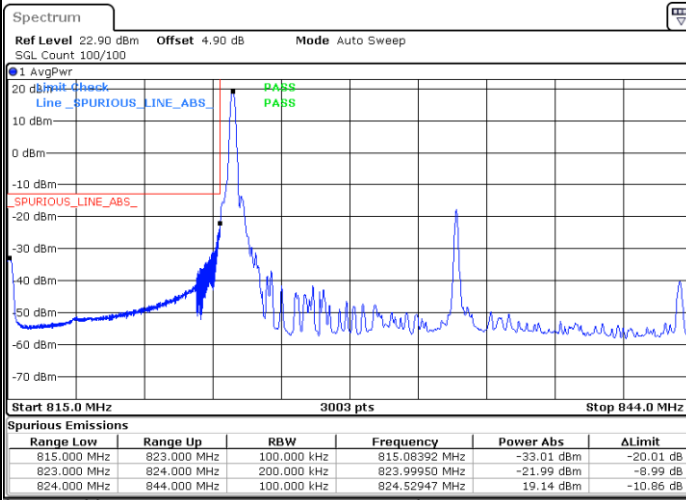
Date: 16 JAN 2020 20:50:07



EN-DC_66A_n5A / LTE 20MHz + NR 20MHz / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB105

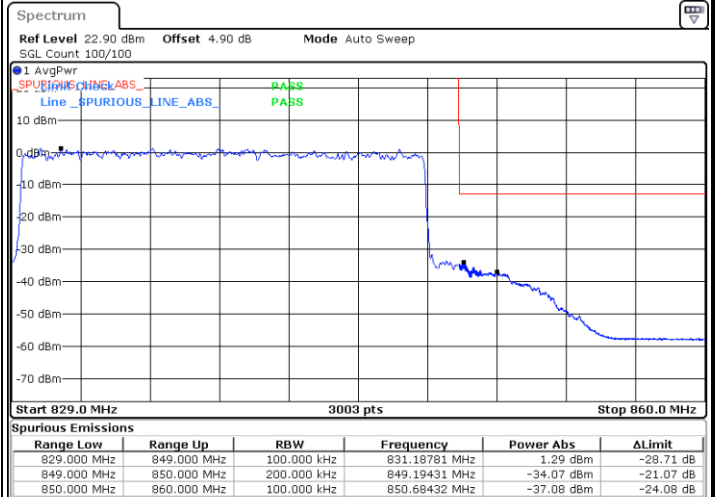
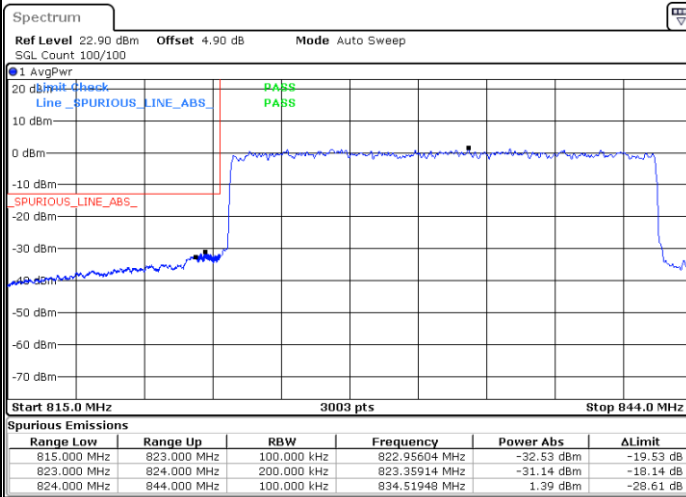


Date: 16 JAN 2020 20:27:45

Date: 16 JAN 2020 20:52:59

Lowest Band Edge / 100RB0

Highest Band Edge / 100RB0



Date: 16 JAN 2020 20:34:56

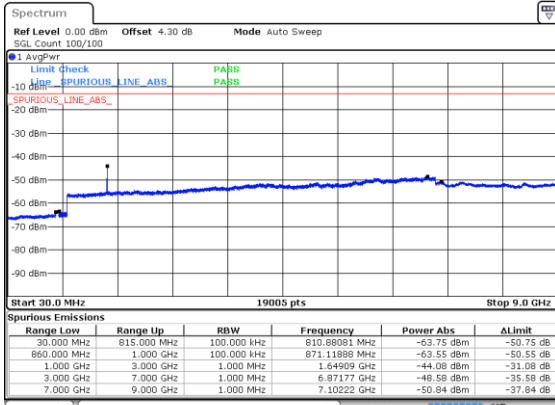
Date: 16 JAN 2020 20:49:01



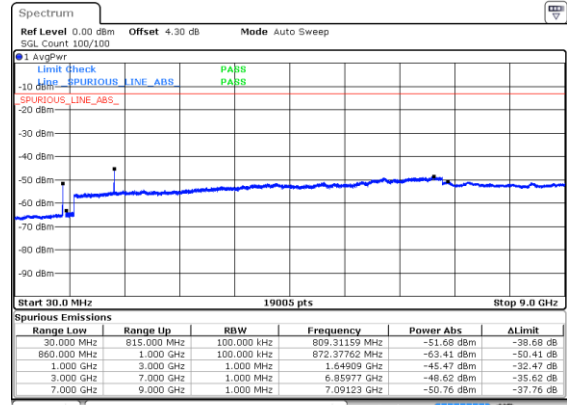
Conducted Spurious Emission

EN-DC_2A_n5A / LTE 20MHz + NR 5MHz

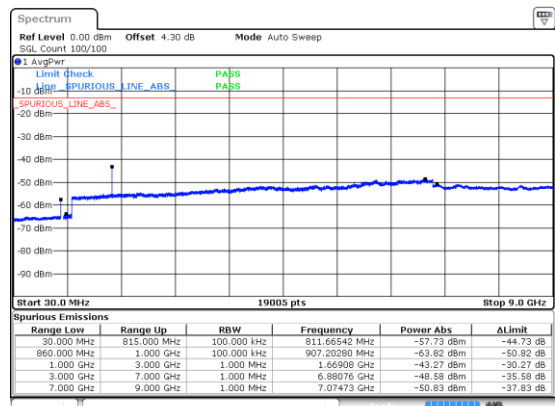
Lowest Channel / BPSK



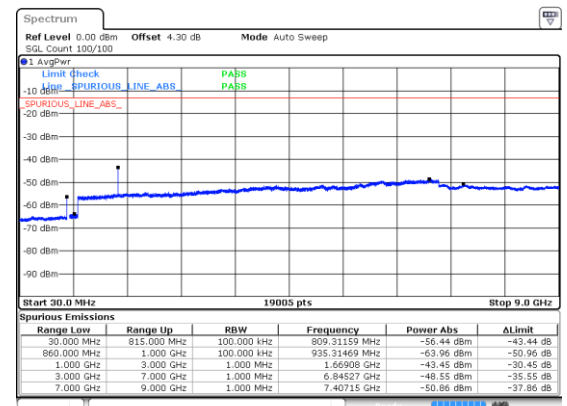
Lowest Channel / QPSK



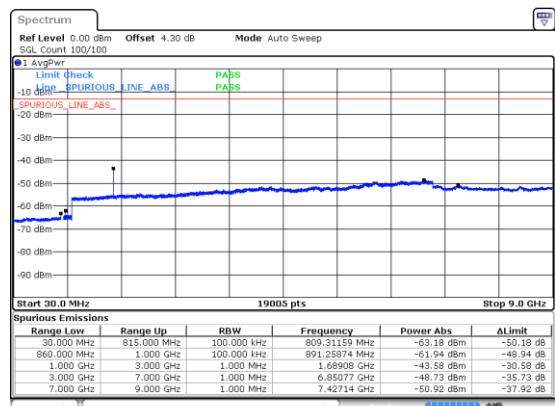
Middle Channel / BPSK



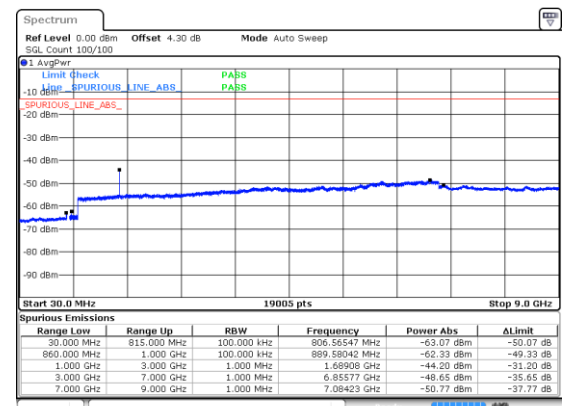
Middle Channel / QPSK



Highest Channel / BPSK



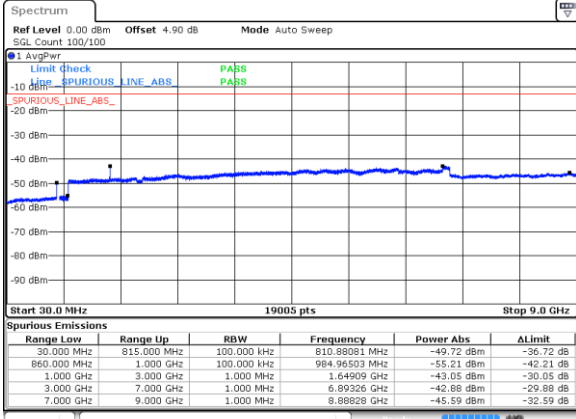
Highest Channel / QPSK





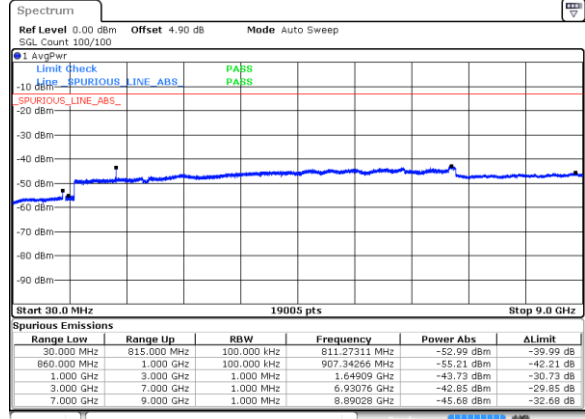
EN-DC_2A_n5A / LTE 20MHz + NR 10MHz

Lowest Channel / BPSK



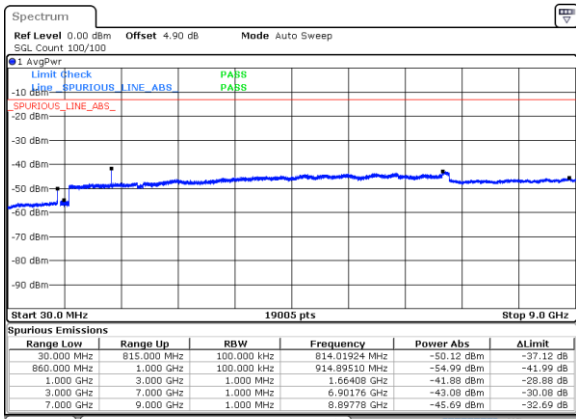
Date: 16 JAN 2020 19:44:27

Lowest Channel / QPSK



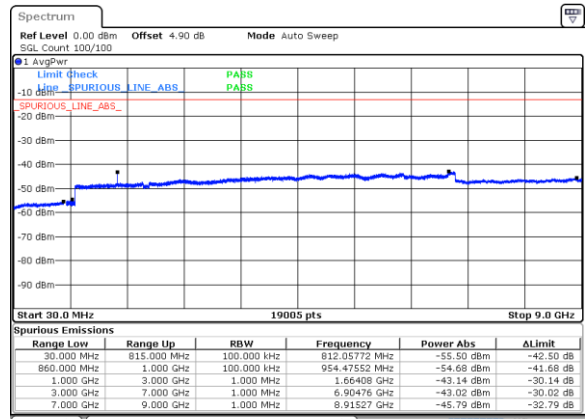
Date: 16 JAN 2020 19:48:02

Middle Channel / BPSK



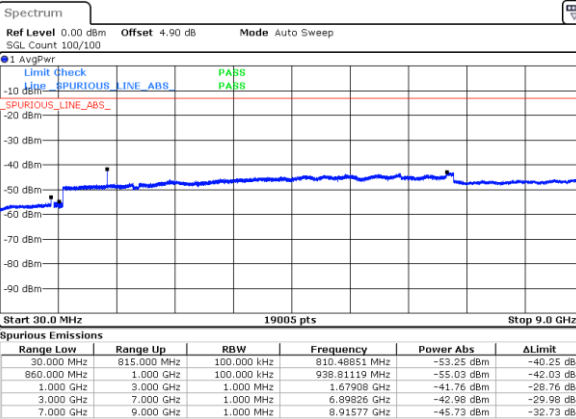
Date: 16 JAN 2020 19:53:21

Middle Channel / QPSK



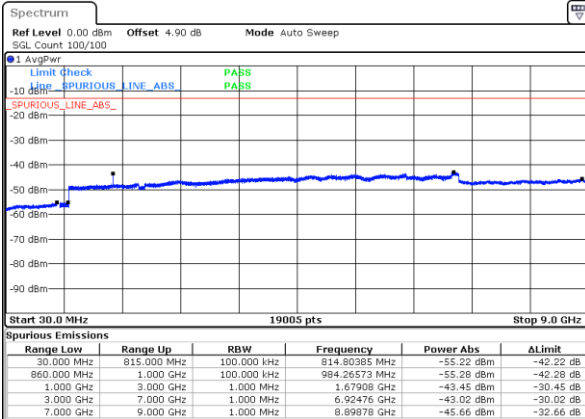
Date: 16 JAN 2020 19:51:03

Highest Channel / BPSK



Date: 16 JAN 2020 19:56:10

Highest Channel / QPSK

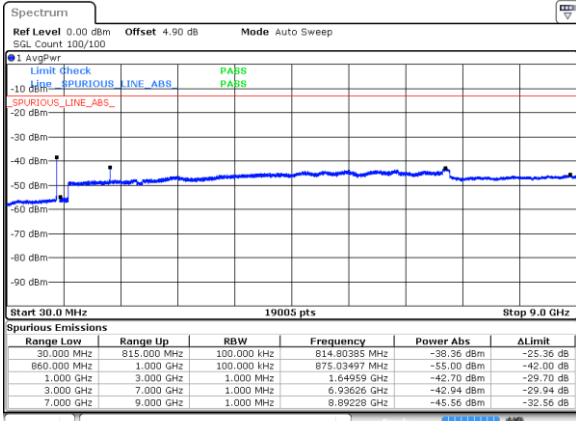


Date: 16 JAN 2020 19:58:12



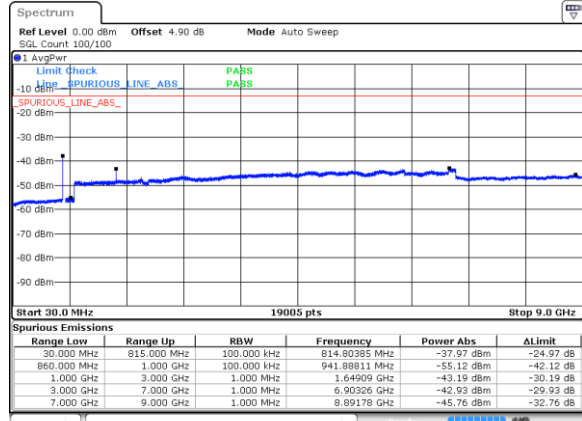
EN-DC_2A_n5A / LTE 20MHz + NR 20MHz

Lowest Channel / BPSK



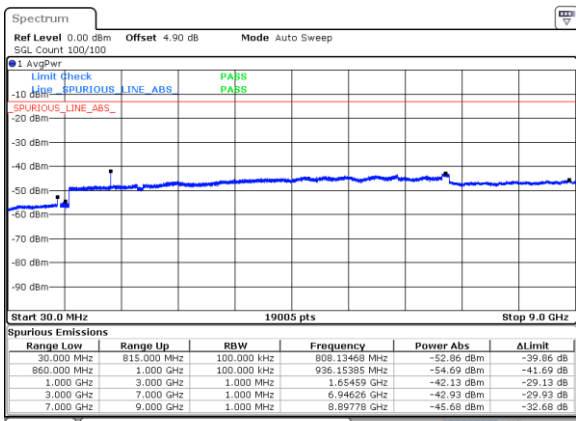
Date: 16 JAN 2020 09:14:53

Lowest Channel / QPSK



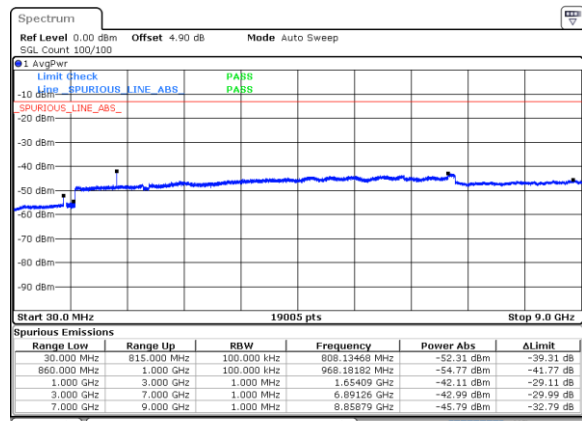
Date: 16 JAN 2020 09:12:19

Middle Channel / BPSK



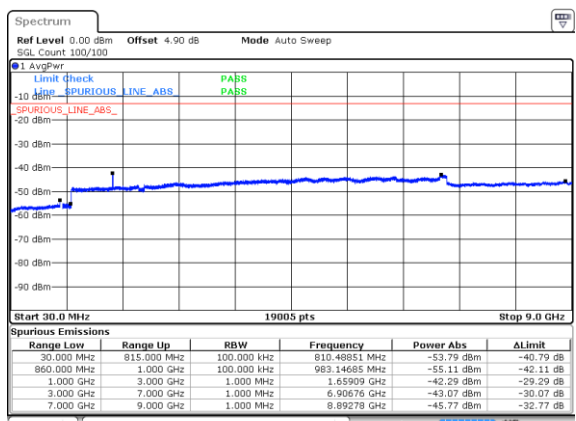
Date: 16 JAN 2020 09:25:54

Middle Channel / QPSK



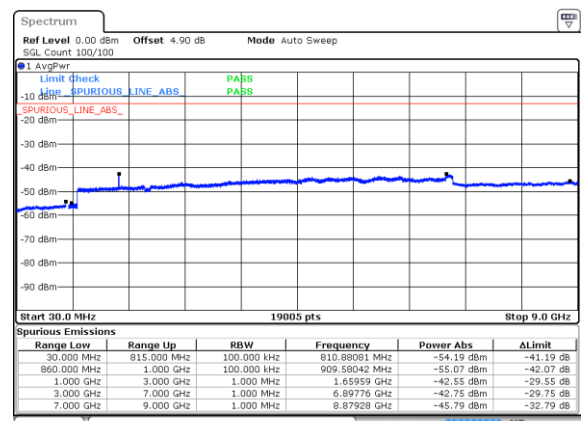
Date: 16 JAN 2020 09:23:48

Highest Channel / BPSK



Date: 16 JAN 2020 13:03:50

Highest Channel / QPSK

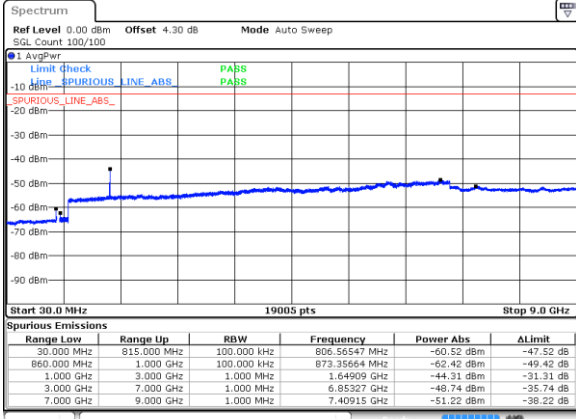


Date: 16 JAN 2020 13:22:46



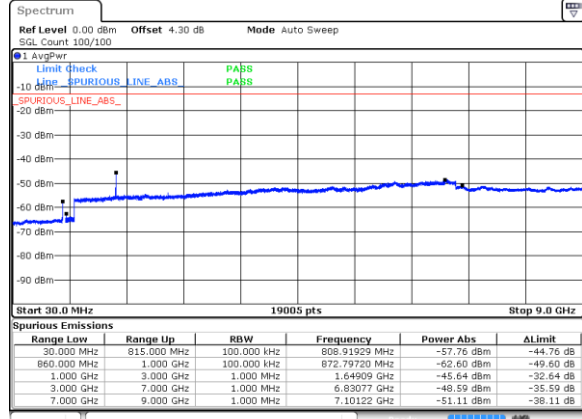
EN-DC_66A_n5A / LTE 20MHz + NR 5MHz

Lowest Channel / BPSK



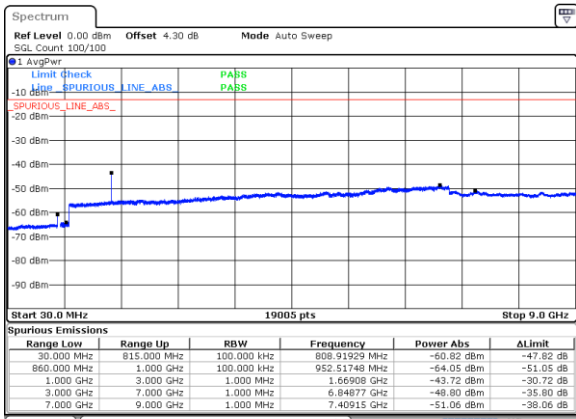
Date: 18 JAN 2020 20:03:41

Lowest Channel / QPSK



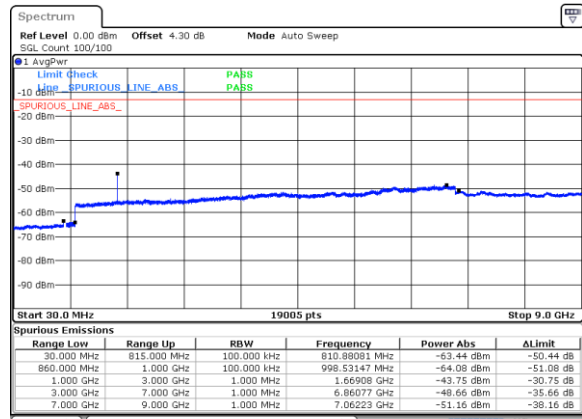
Date: 18 JAN 2020 20:15:19

Middle Channel / BPSK



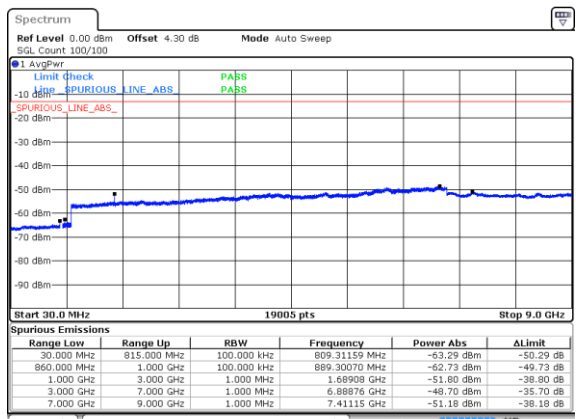
Date: 18 JAN 2020 20:23:42

Middle Channel / QPSK



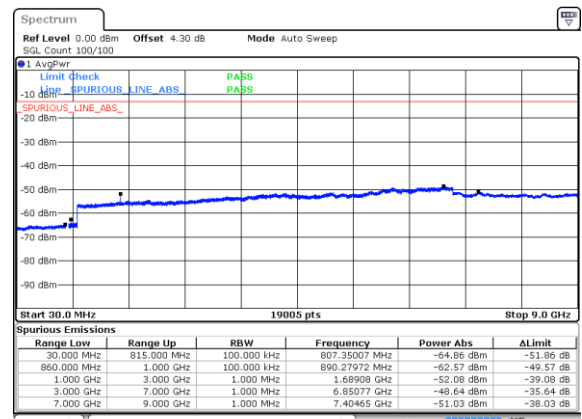
Date: 18 JAN 2020 20:20:57

Highest Channel / BPSK



Date: 18 JAN 2020 20:39:19

Highest Channel / QPSK

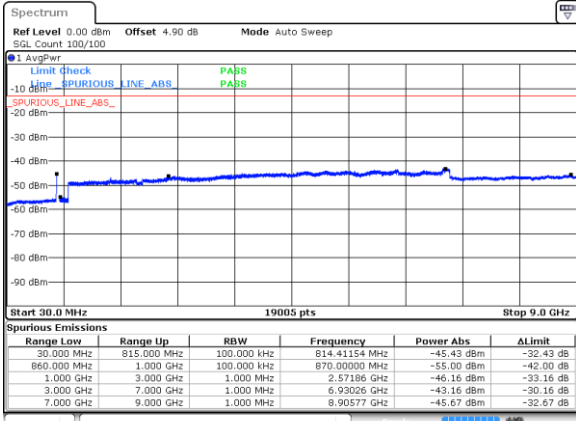


Date: 18 JAN 2020 20:40:13



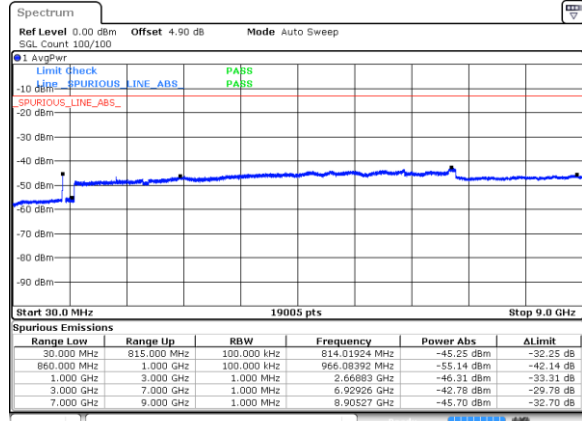
EN-DC_66A_n5A / LTE 20MHz + NR 10MHz

Lowest Channel / BPSK



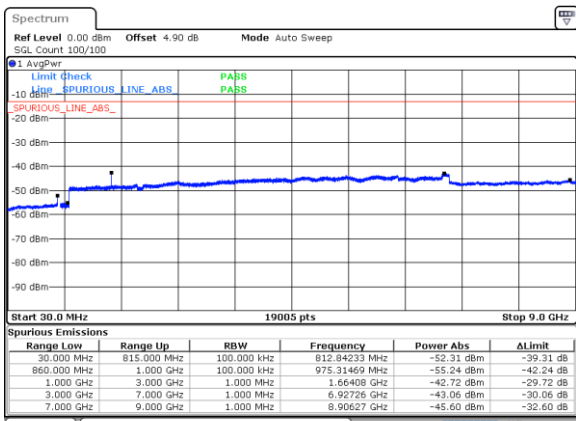
Date: 16 JAN 2020 21:51:18

Lowest Channel / QPSK



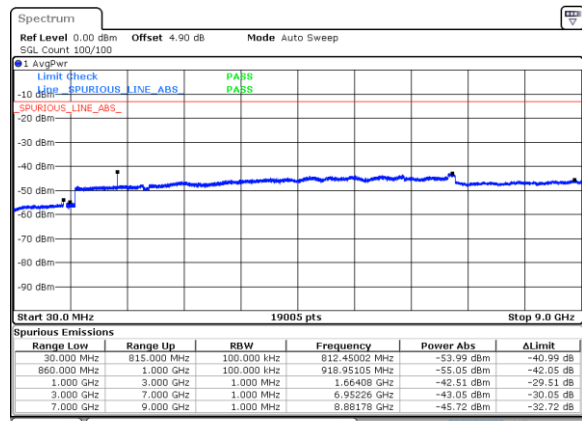
Date: 16 JAN 2020 21:45:38

Middle Channel / BPSK



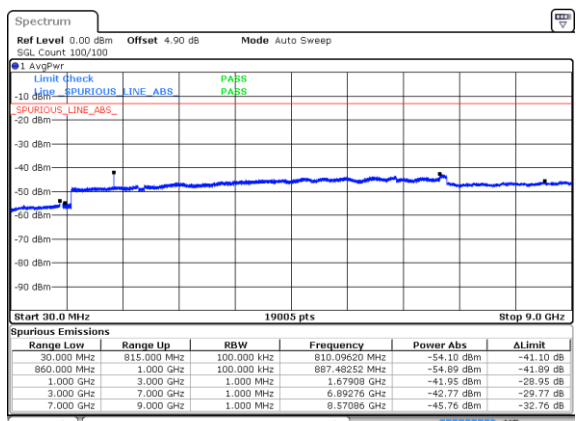
Date: 16 JAN 2020 22:03:10

Middle Channel / QPSK



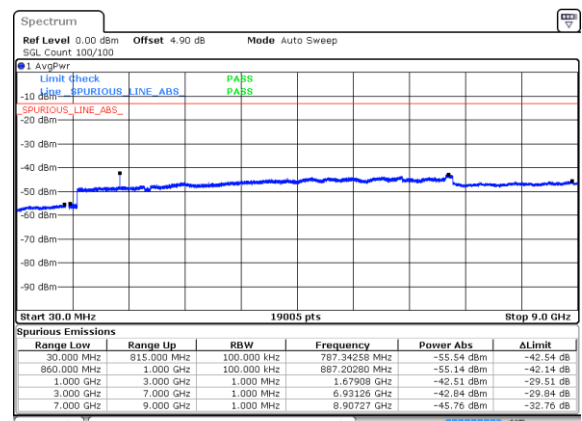
Date: 16 JAN 2020 21:59:56

Highest Channel / BPSK



Date: 16 JAN 2020 22:13:01

Highest Channel / QPSK

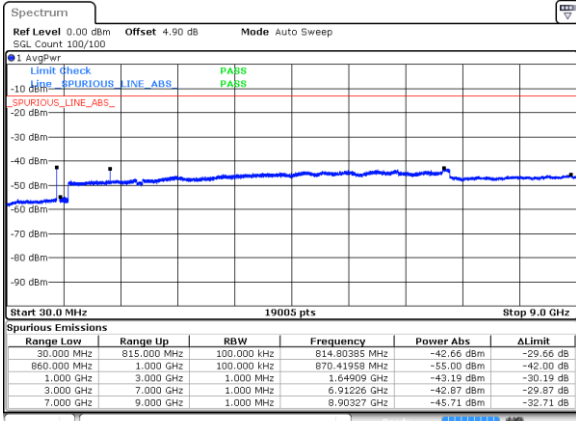


Date: 16 JAN 2020 22:10:39



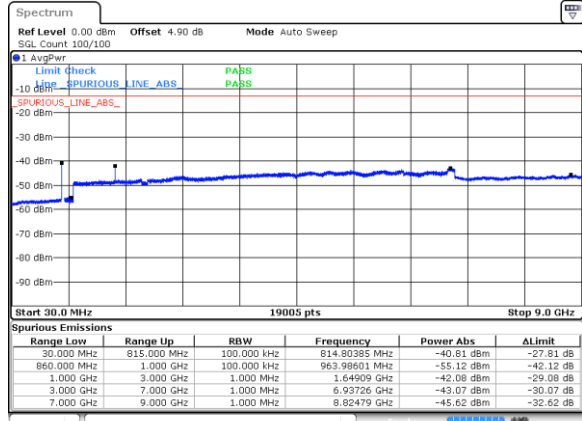
EN-DC_66A_n5A / LTE 20MHz + NR 20MHz

Lowest Channel / BPSK



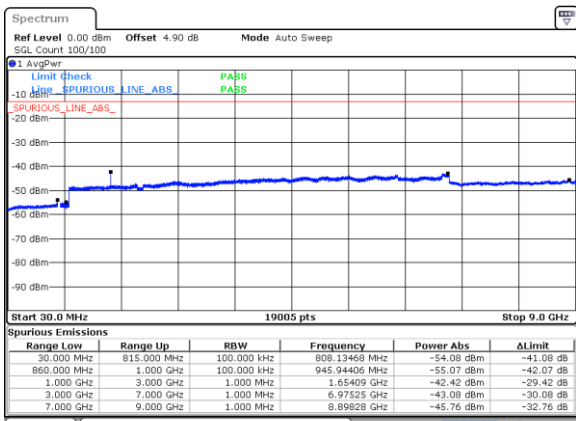
Date: 16 JAN 2020 20:31:59

Lowest Channel / QPSK



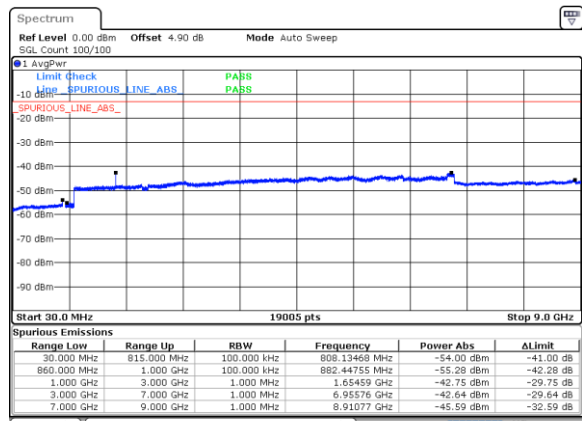
Date: 16 JAN 2020 20:26:24

Middle Channel / BPSK



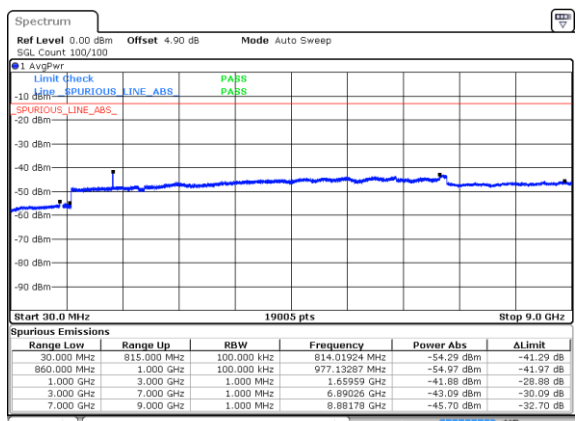
Date: 16 JAN 2020 20:41:21

Middle Channel / QPSK



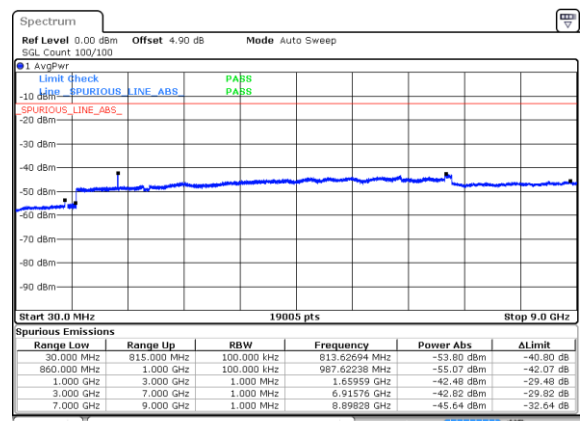
Date: 16 JAN 2020 20:38:19

Highest Channel / BPSK



Date: 16 JAN 2020 20:43:56

Highest Channel / QPSK



Date: 16 JAN 2020 20:46:46



Frequency Stability

| Test Conditions | | EN-DC_2A_n5A (BPSK) / Middle Channel | Limit |
|------------------|-------------------|--------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | LTE 20MHz + NR 20MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0017 | PASS |
| 40 | Normal Voltage | 0.0011 | |
| 30 | Normal Voltage | 0.0013 | |
| 20(Ref.) | Normal Voltage | 0.0011 | |
| 10 | Normal Voltage | 0.0005 | |
| 0 | Normal Voltage | 0.0016 | |
| -10 | Normal Voltage | 0.0007 | |
| -20 | Normal Voltage | 0.0005 | |
| -30 | Normal Voltage | 0.0010 | |
| 20 | Maximum Voltage | 0.0023 | |
| 20 | Normal Voltage | 0.0002 | |
| 20 | Battery End Point | 0.0018 | |

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

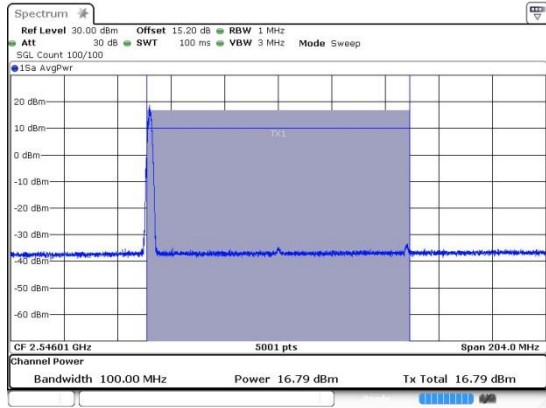


5G NR n41

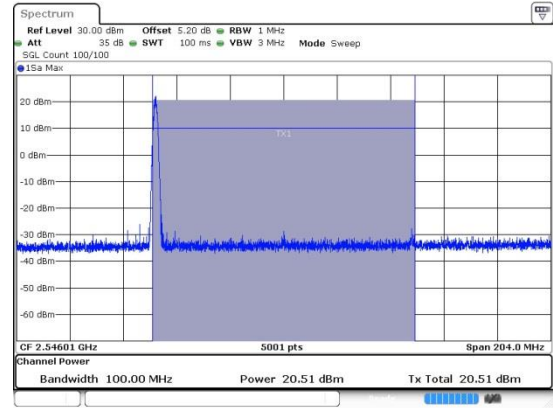
Peak-to-Average Ratio

EN-DC_2A_n41A / LTE 20MHz + NR 100MHz / BPSK

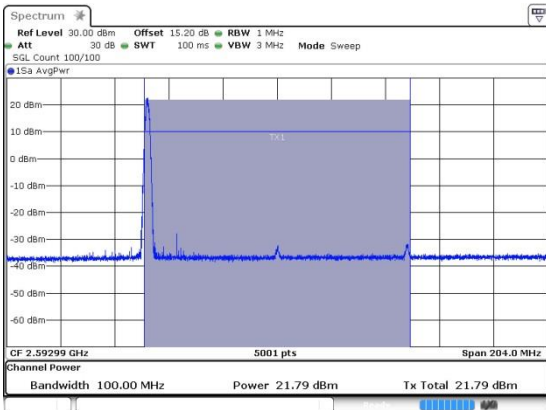
Lowest Channel / 1RB / Average



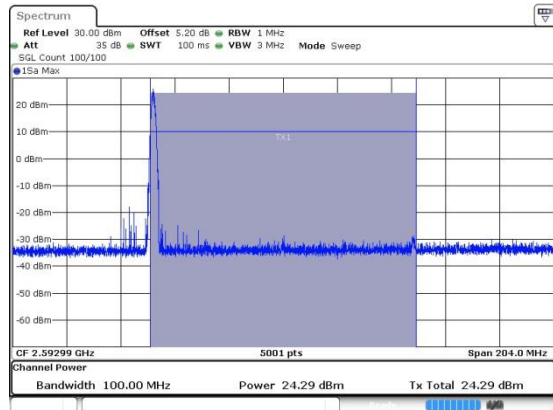
Lowest Channel / 1RB / Peak



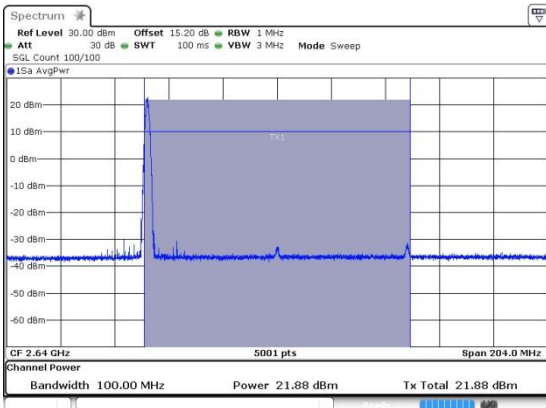
Middle Channel / 1RB / Average



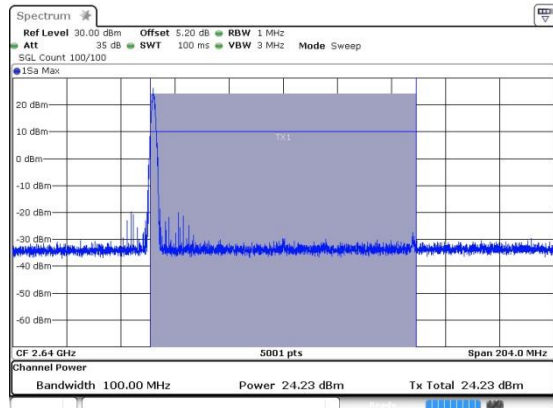
Middle Channel / 1RB / Peak



Highest Channel / 1RB / Average



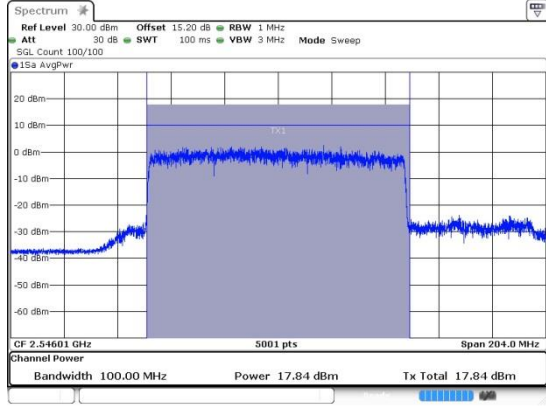
Highest Channel / 1RB / Peak





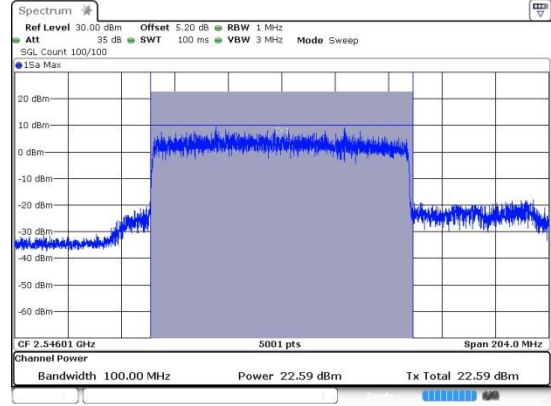
EN-DC_2A_n41A / LTE 20MHz + NR 100MHz / BPSK

Lowest Channel / Full RB / Average



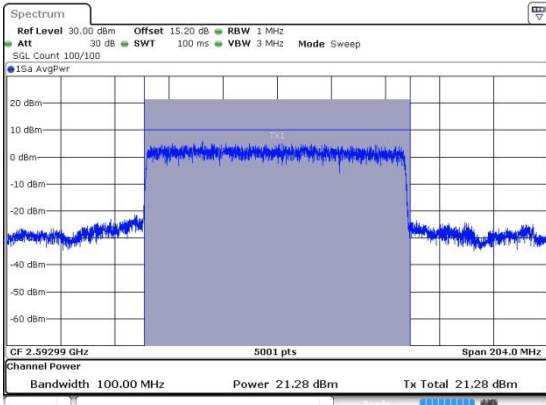
Date: 22 FEB 2020 13:41:35

Lowest Channel / Full RB / Peak



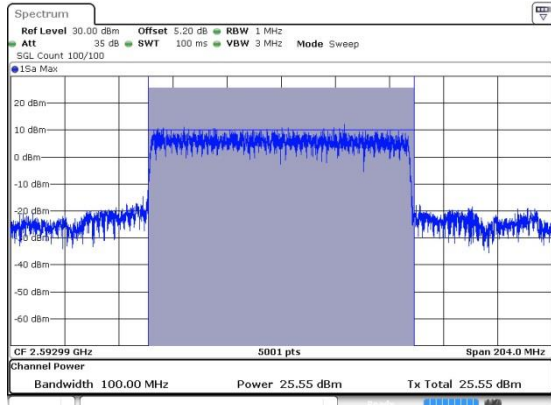
Date: 22 FEB 2020 13:40:28

Middle Channel / Full RB / Average



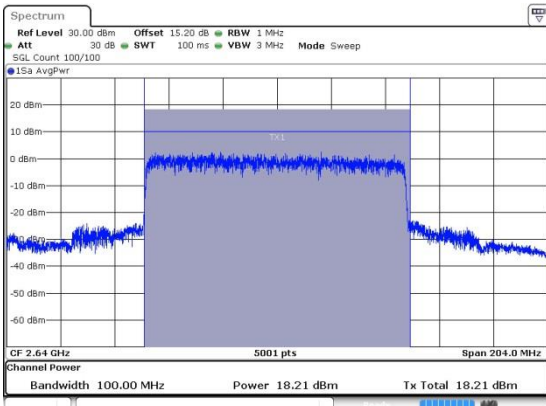
Date: 22 FEB 2020 13:37:33

Middle Channel / Full RB / Peak



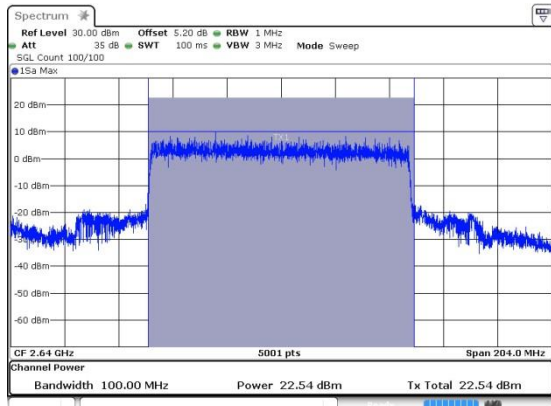
Date: 22 FEB 2020 13:38:47

Highest Channel / Full RB / Average



Date: 22 FEB 2020 13:29:01

Highest Channel / Full RB / Peak

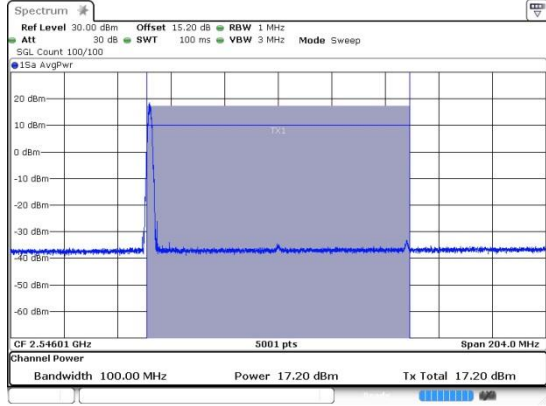


Date: 22 FEB 2020 13:29:25



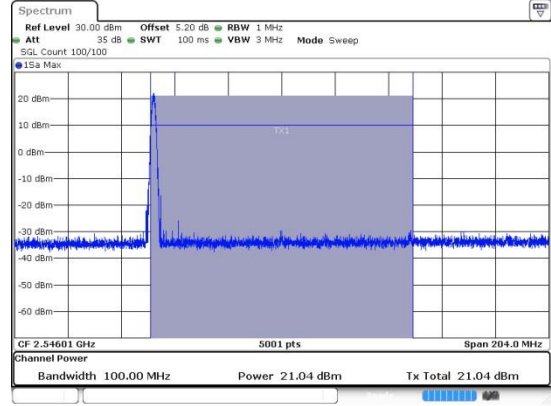
EN-DC_2A_n41A / LTE 20MHz + NR 100MHz / QPSK

Lowest Channel / 1RB / Average



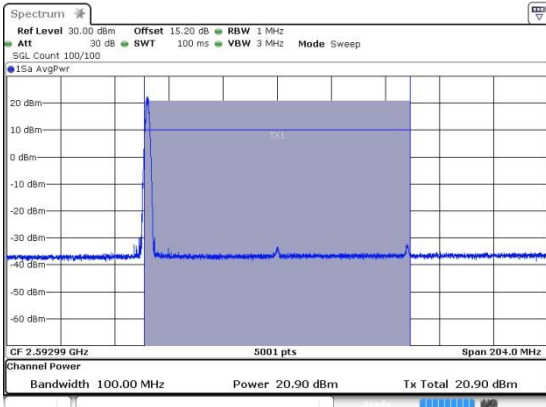
Date: 22 FEB 2020 13:44:46

Lowest Channel / 1RB / Peak



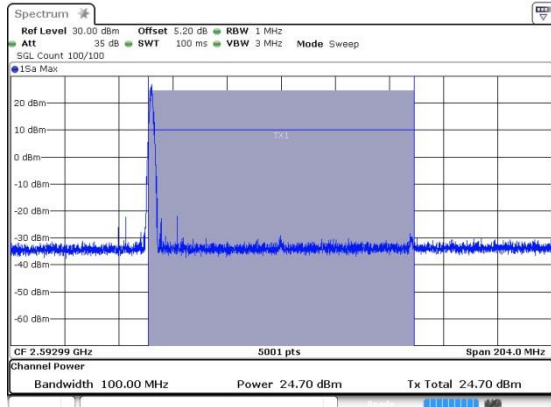
Date: 22 FEB 2020 13:44:24

Middle Channel / 1RB / Average



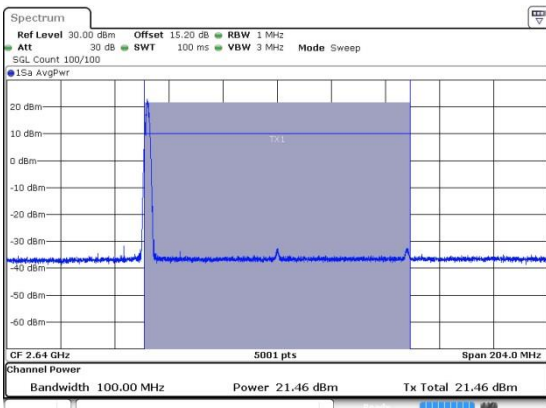
Date: 22 FEB 2020 13:33:07

Middle Channel / 1RB / Peak



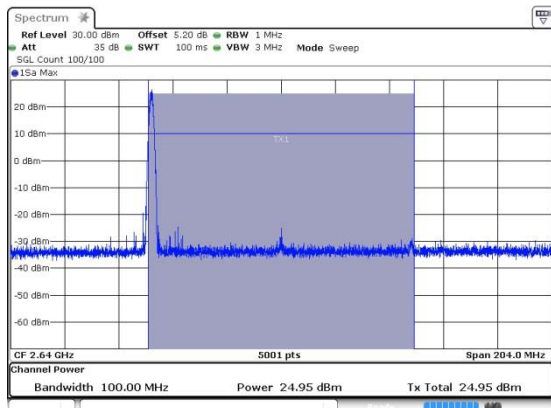
Date: 22 FEB 2020 13:32:41

Highest Channel / 1RB / Average



Date: 22 FEB 2020 13:30:48

Highest Channel / 1RB / Peak



Date: 22 FEB 2020 13:31:09