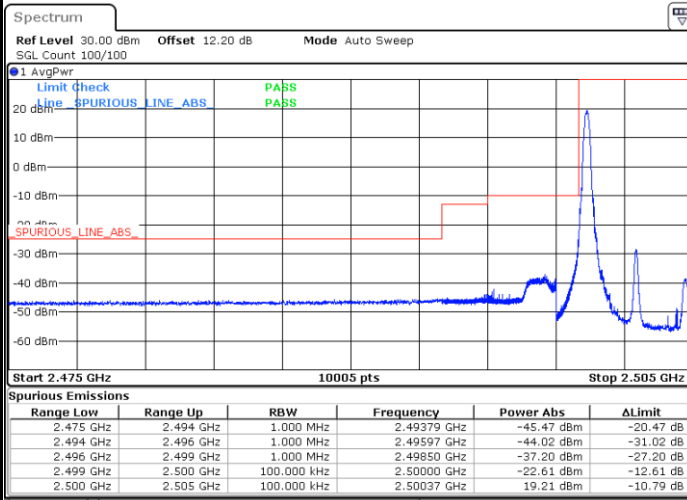




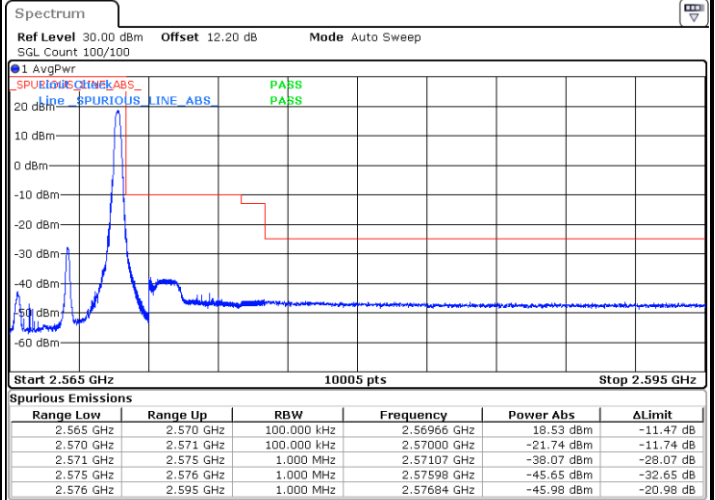
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



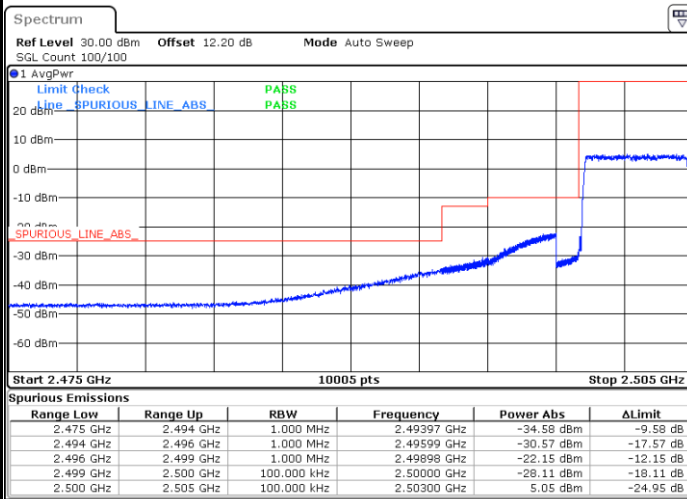
Date: 19_SEP.2020 15:08:48

Highest Band Edge / 1 RB



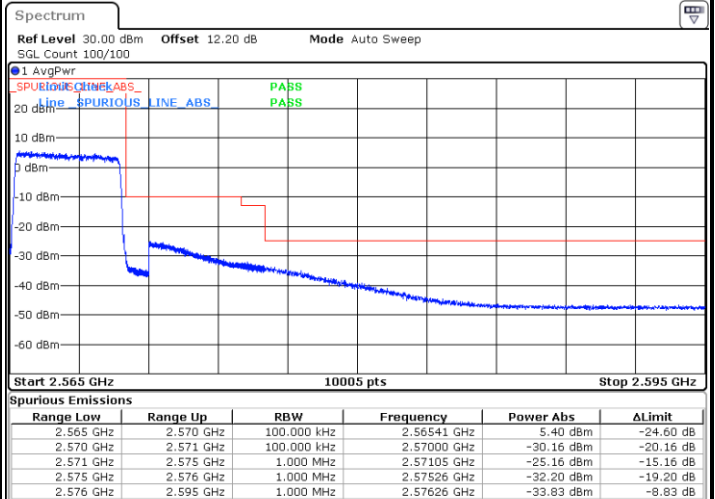
Date: 19_SEP.2020 15:11:47

Lowest Band Edge / Full RB



Date: 19_SEP.2020 15:09:07

Highest Band Edge / Full RB

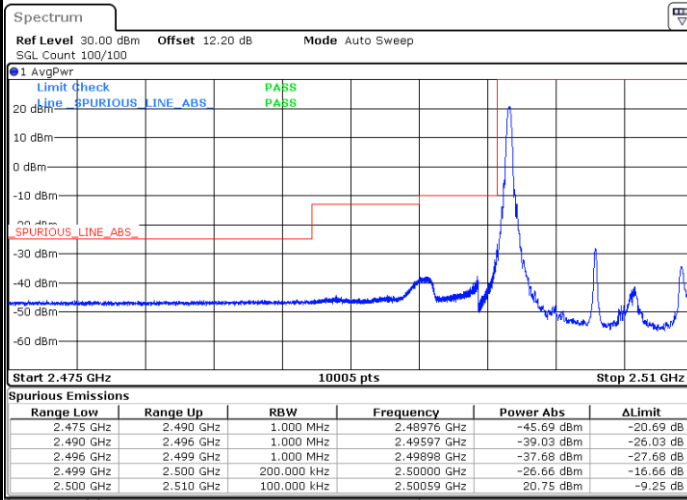


Date: 19_SEP.2020 15:12:05



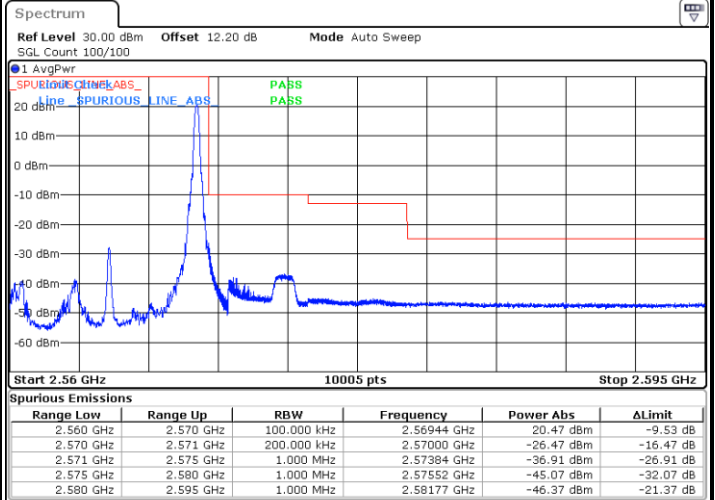
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



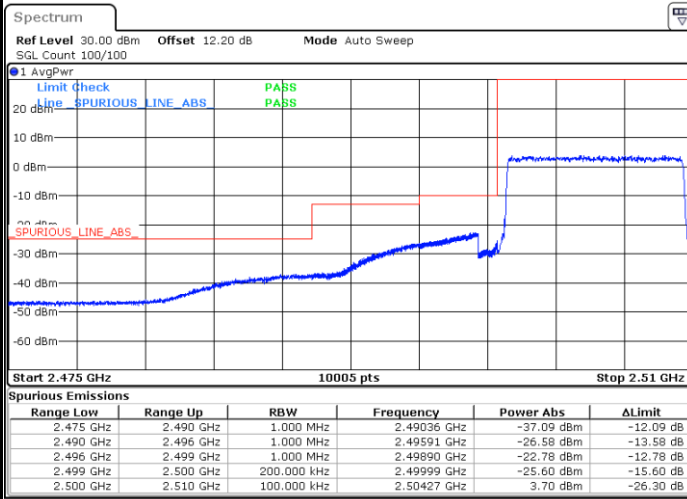
Date: 19_SEP.2020 15:43:12

Highest Band Edge / 1 RB



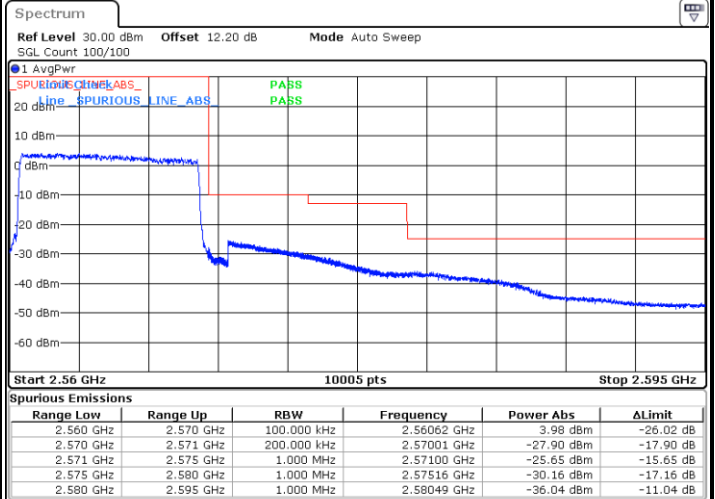
Date: 19_SEP.2020 15:49:14

Lowest Band Edge / Full RB



Date: 19_SEP.2020 15:43:49

Highest Band Edge / Full RB

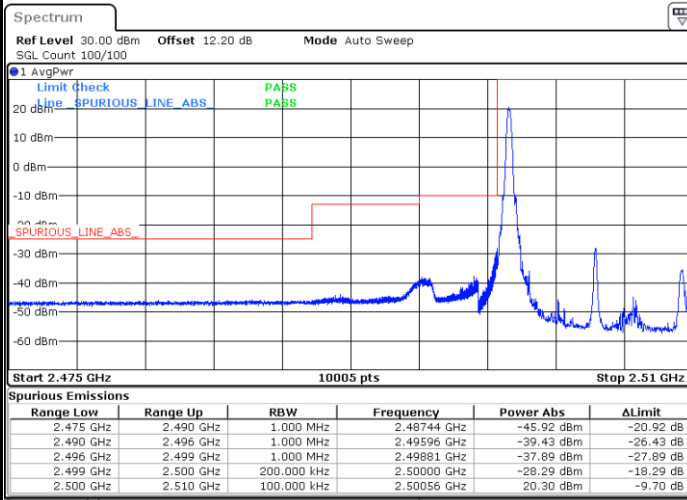


Date: 19_SEP.2020 15:49:51



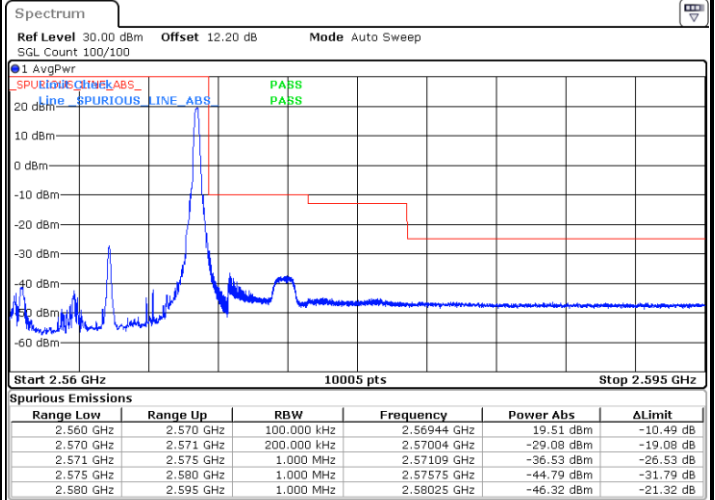
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



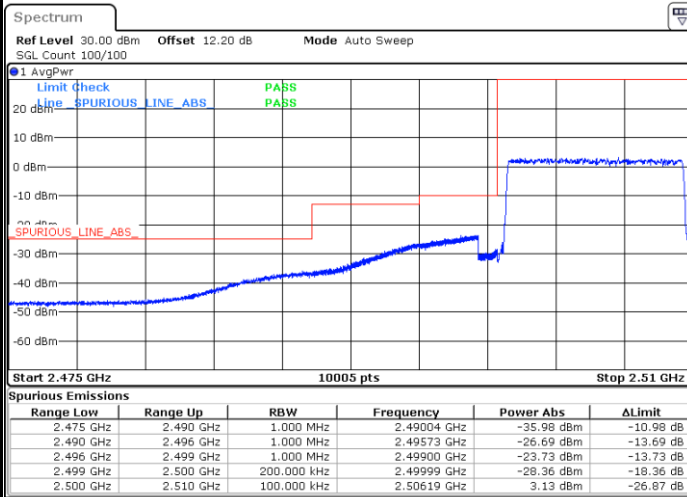
Date: 19_SEP.2020 15:43:30

Highest Band Edge / 1 RB



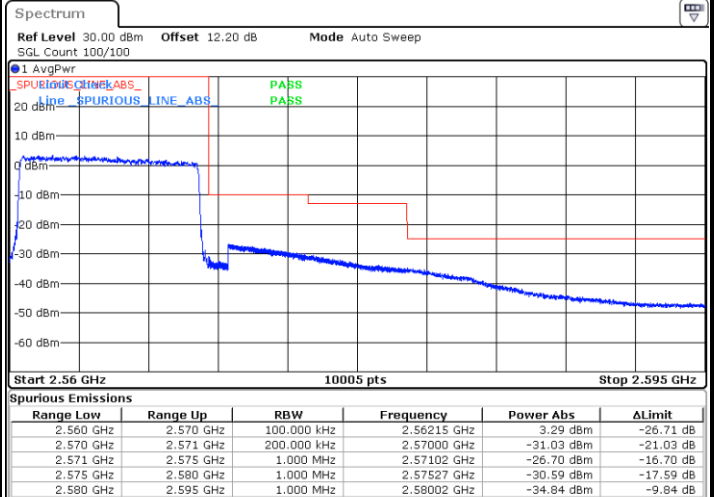
Date: 19_SEP.2020 15:49:33

Lowest Band Edge / Full RB



Date: 19_SEP.2020 15:44:07

Highest Band Edge / Full RB



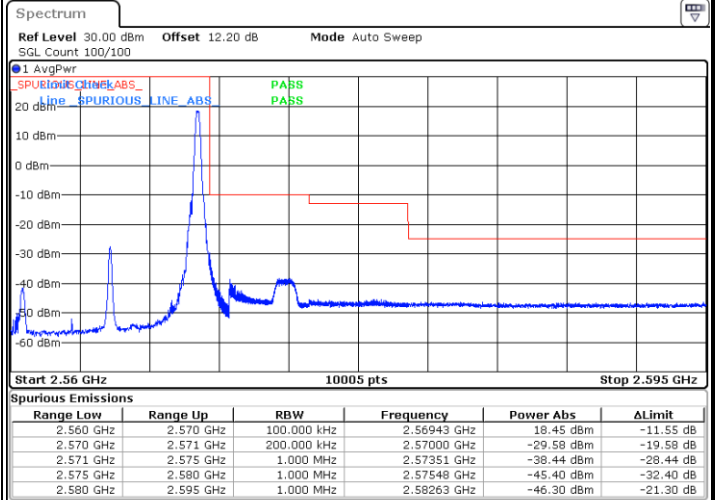
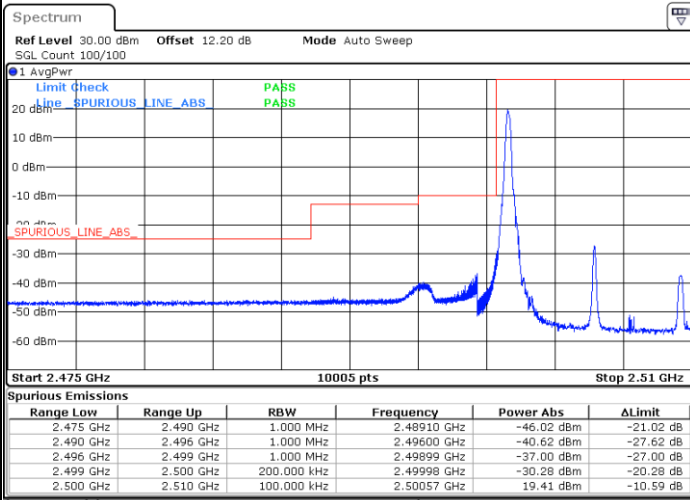
Date: 19_SEP.2020 15:50:09



LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

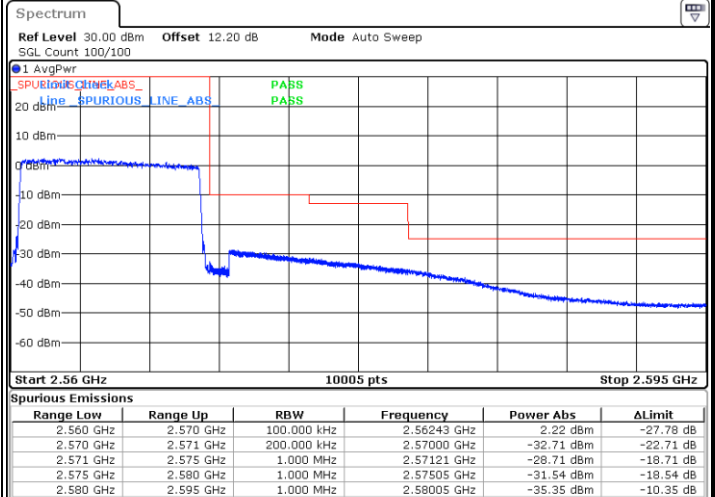
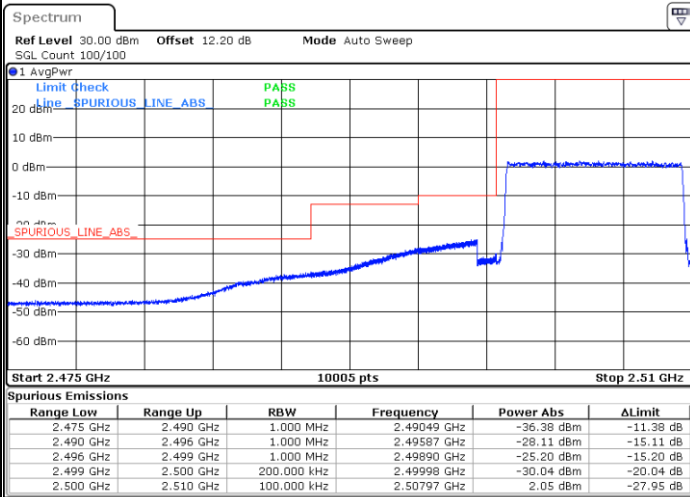


Date: 19_SEP.2020 15:52:30

Date: 19_SEP.2020 15:55:30

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



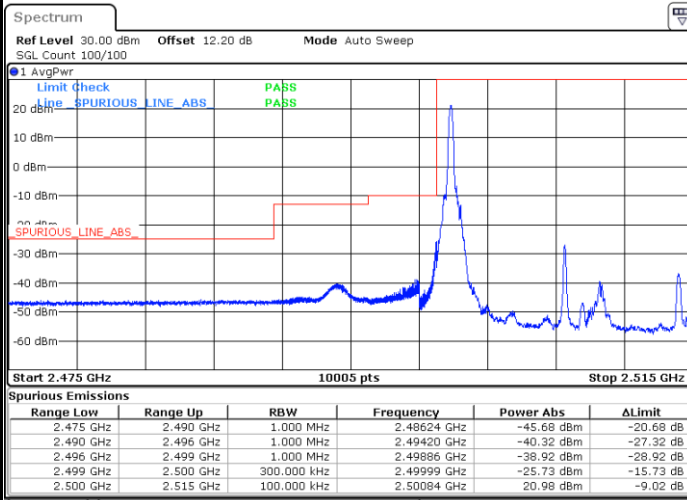
Date: 19_SEP.2020 15:52:48

Date: 19_SEP.2020 15:55:49



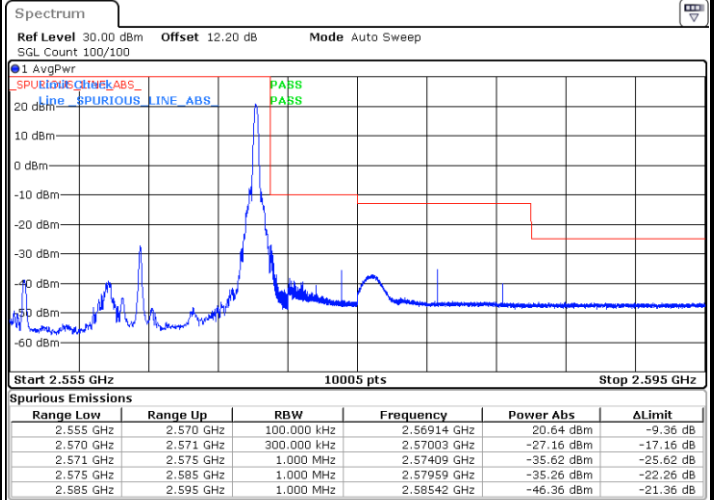
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



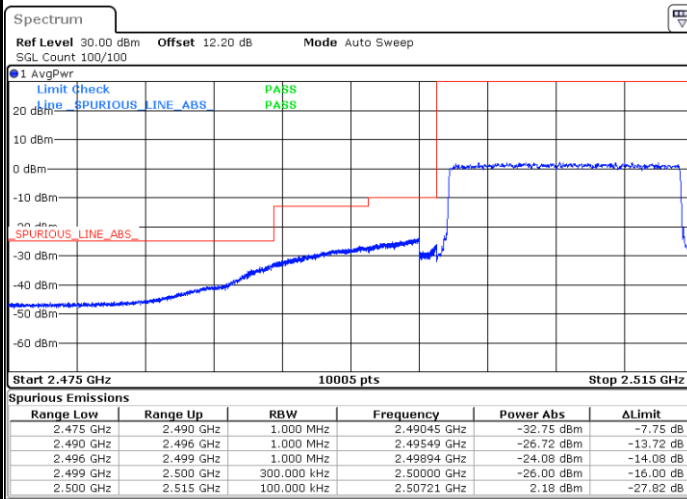
Date: 19_SEP.2020 15:57:45

Highest Band Edge / 1 RB



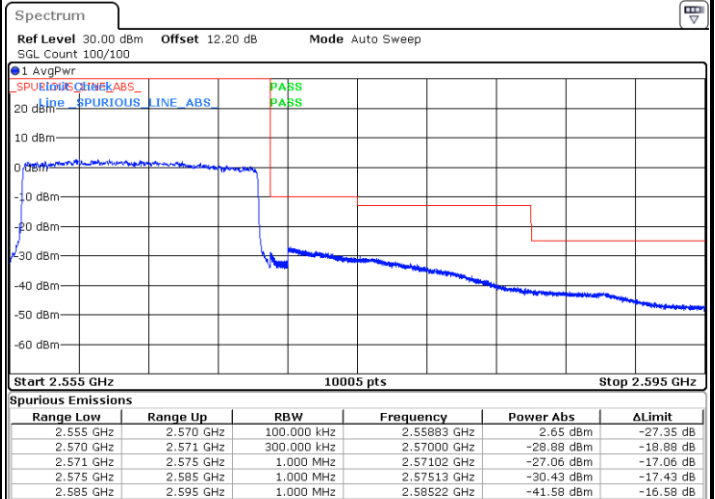
Date: 19_SEP.2020 16:03:48

Lowest Band Edge / Full RB



Date: 19_SEP.2020 15:58:22

Highest Band Edge / Full RB

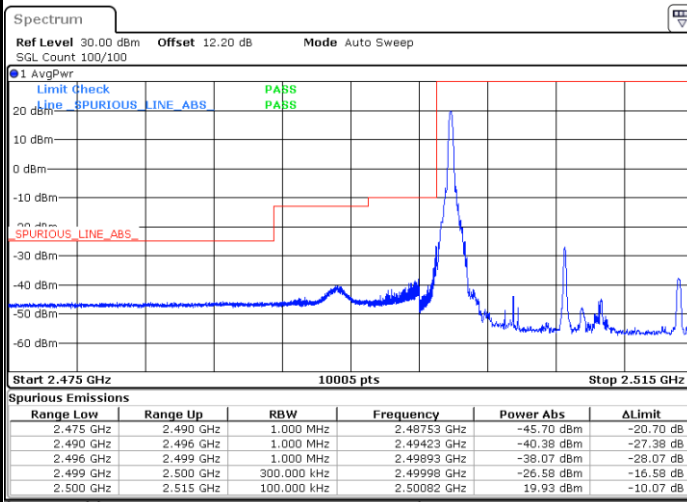


Date: 19_SEP.2020 16:04:25



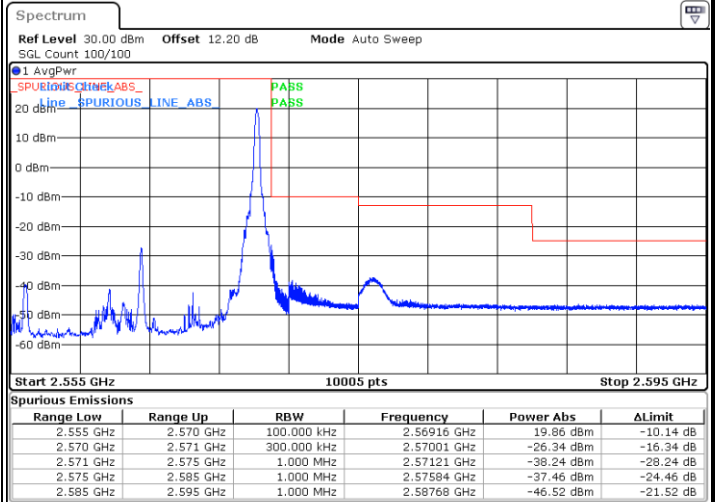
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



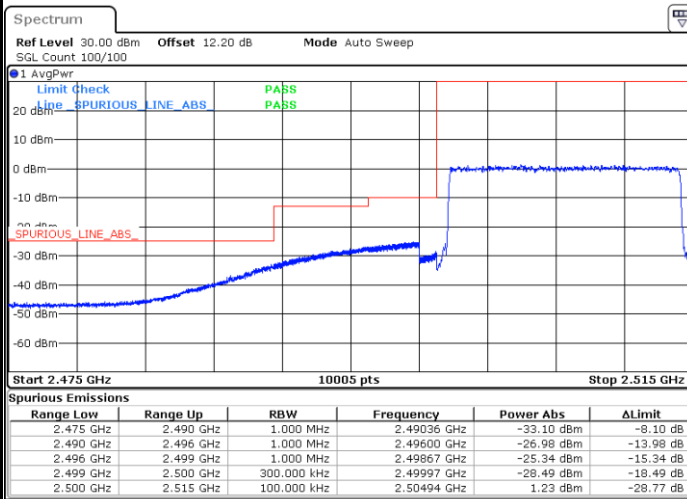
Date: 19_SEP.2020 15:58:04

Highest Band Edge / 1 RB



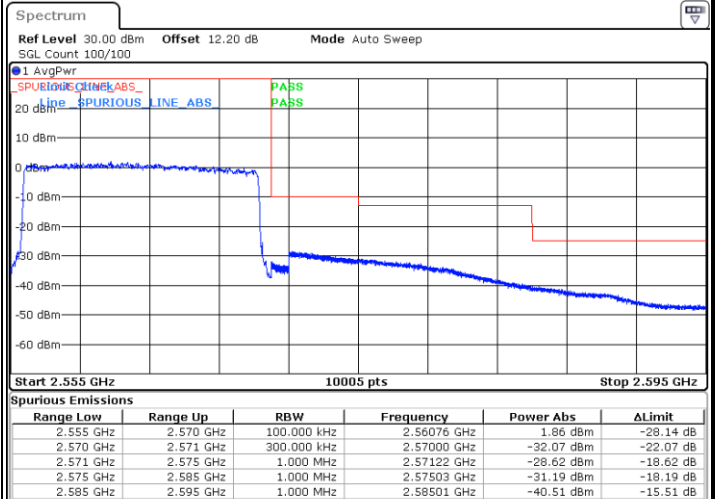
Date: 19_SEP.2020 16:04:07

Lowest Band Edge / Full RB



Date: 19_SEP.2020 15:58:41

Highest Band Edge / Full RB

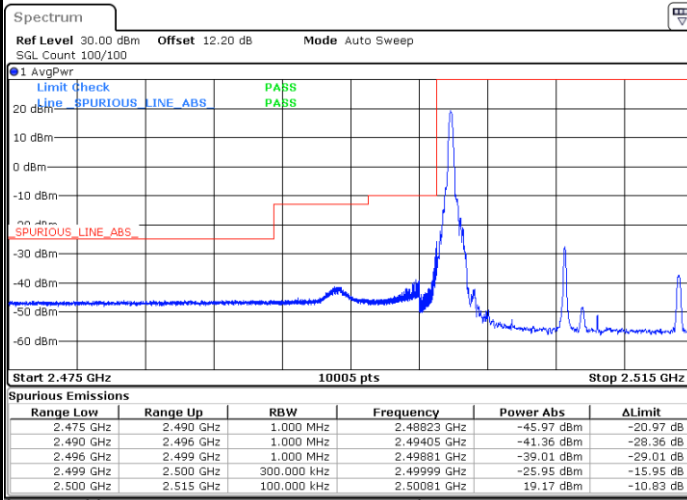


Date: 19_SEP.2020 16:04:43



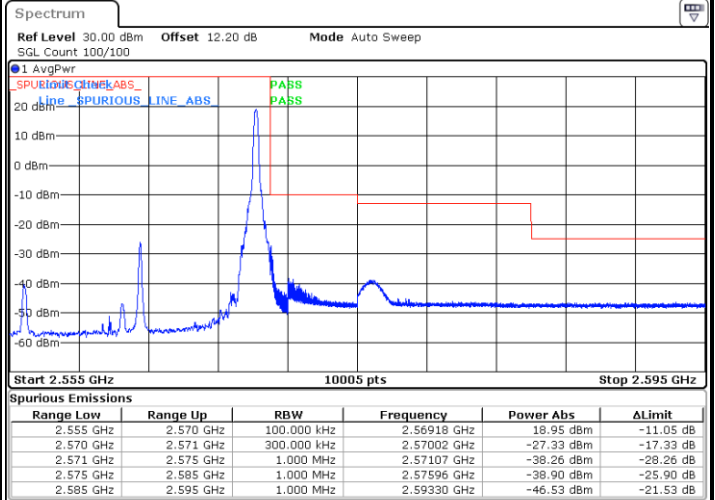
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



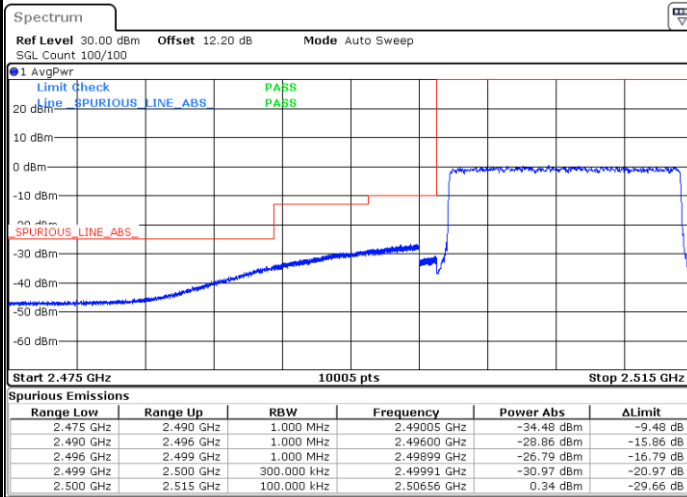
Date: 19_SEP.2020 16:07:05

Highest Band Edge / 1 RB



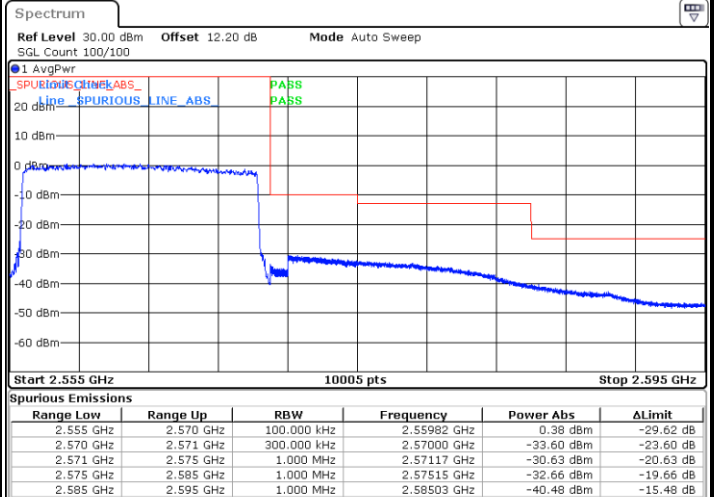
Date: 19_SEP.2020 16:10:06

Lowest Band Edge / Full RB



Date: 19_SEP.2020 16:07:23

Highest Band Edge / Full RB

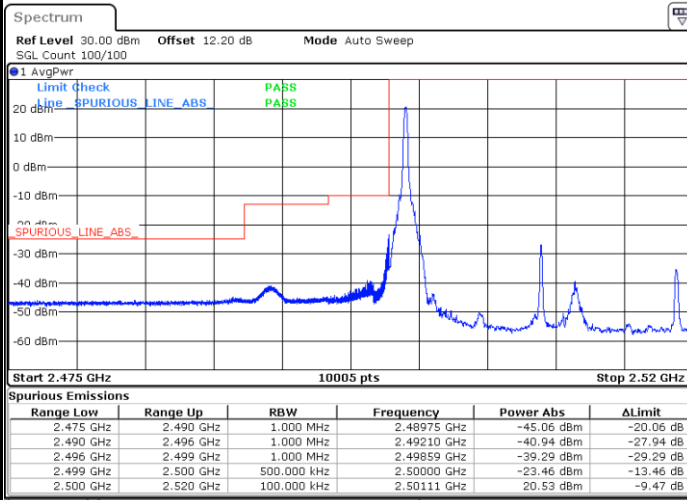


Date: 19_SEP.2020 16:10:24



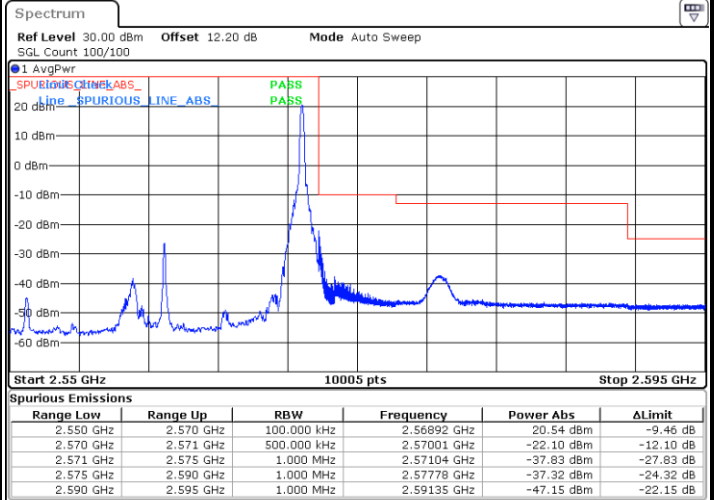
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



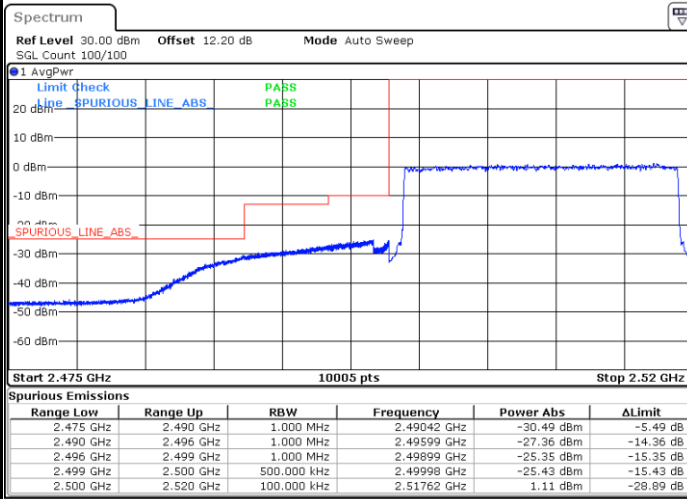
Date: 19.SEP.2020 16:12:20

Highest Band Edge / 1 RB



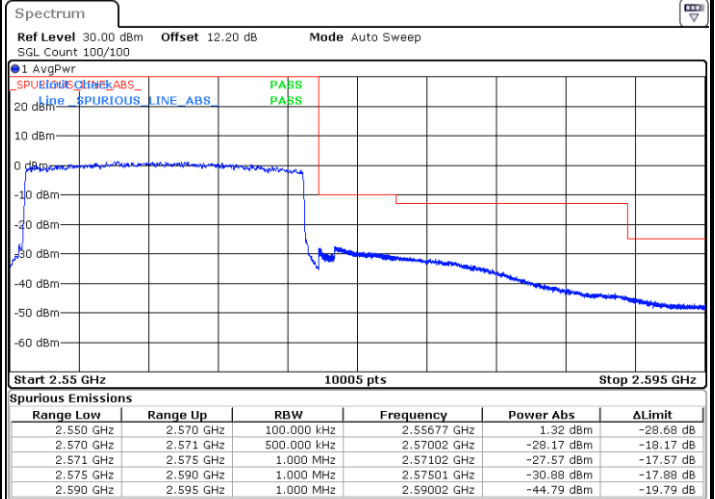
Date: 19.SEP.2020 16:18:23

Lowest Band Edge / Full RB



Date: 19.SEP.2020 16:12:57

Highest Band Edge / Full RB

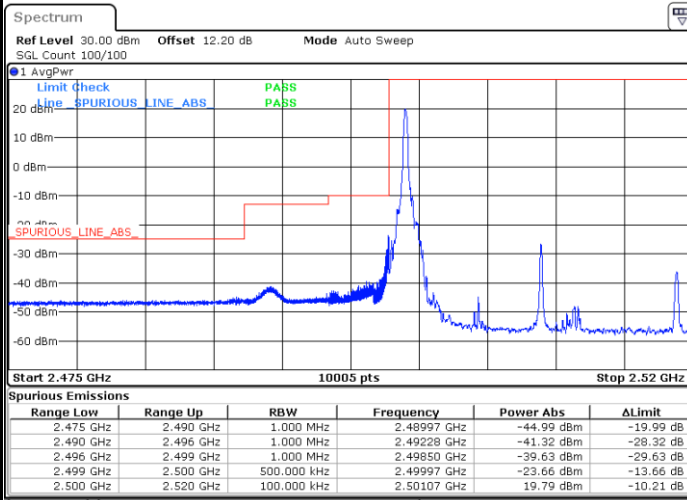


Date: 19.SEP.2020 16:19:19



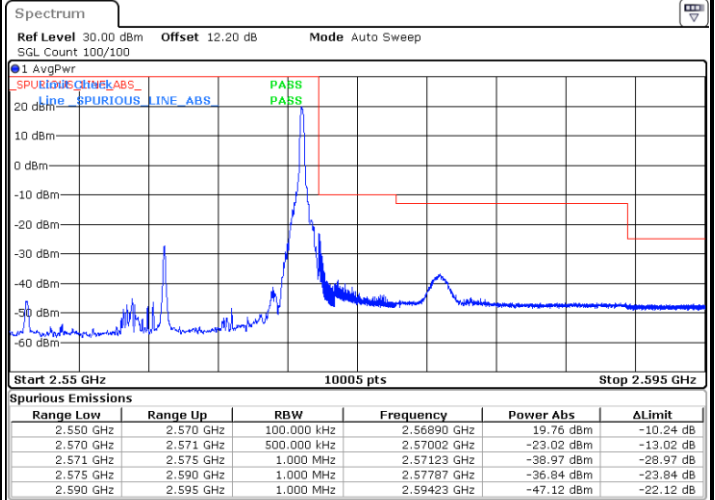
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1R B



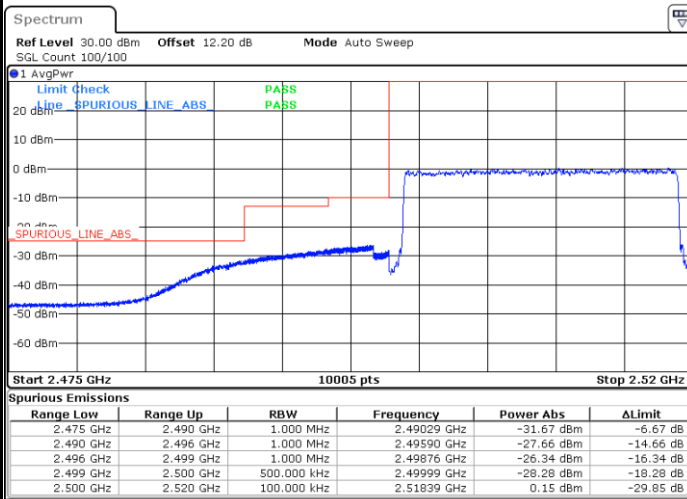
Date: 19.SEP.2020 16:12:39

Highest Band Edge / 1R B



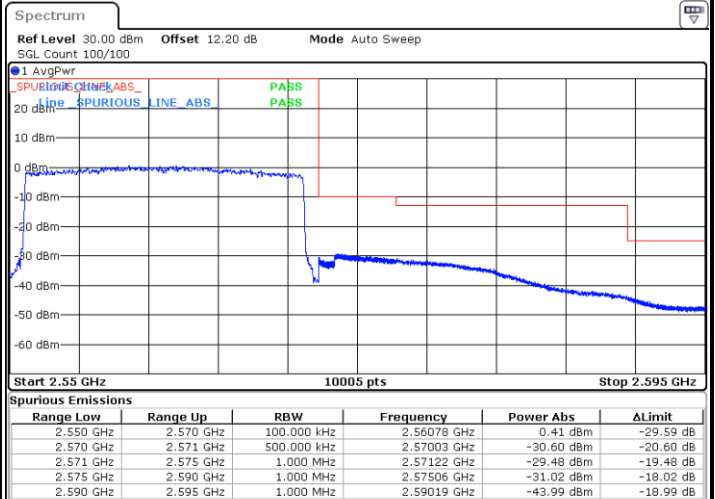
Date: 19.SEP.2020 16:18:42

Lowest Band Edge / Full RB



Date: 19.SEP.2020 16:13:16

Highest Band Edge / Full RB

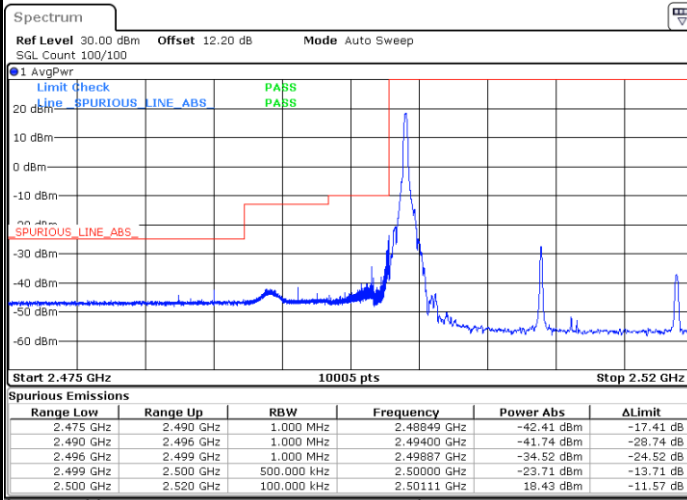


Date: 19.SEP.2020 16:19:00



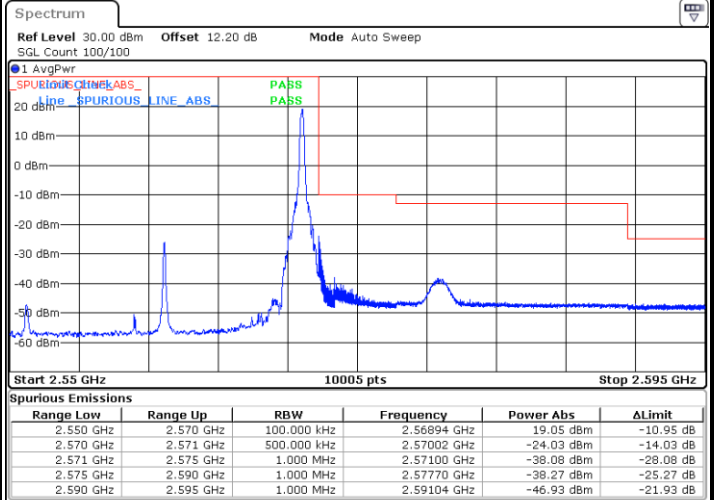
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



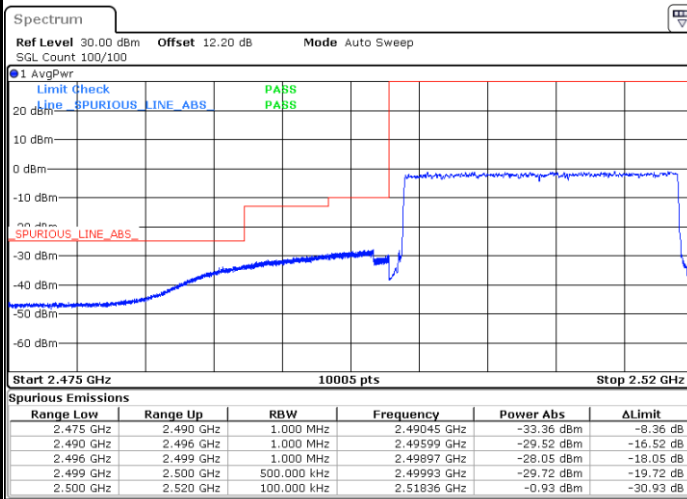
Date: 19_SEP.2020 16:21:39

Highest Band Edge / 1 RB



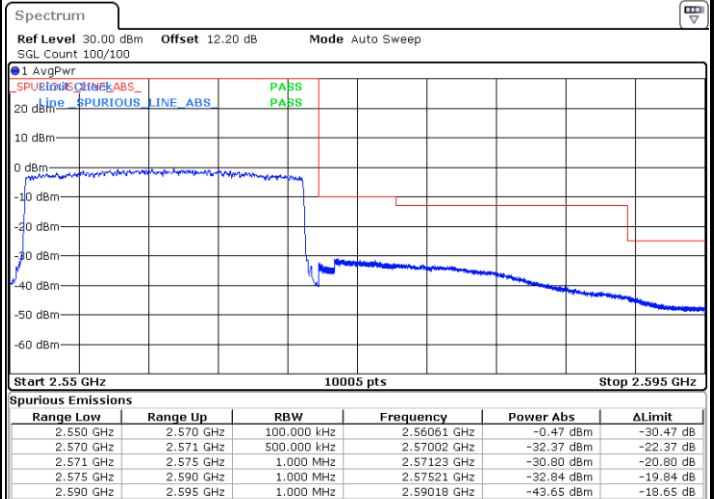
Date: 19_SEP.2020 16:24:40

Lowest Band Edge / Full RB



Date: 19_SEP.2020 16:21:58

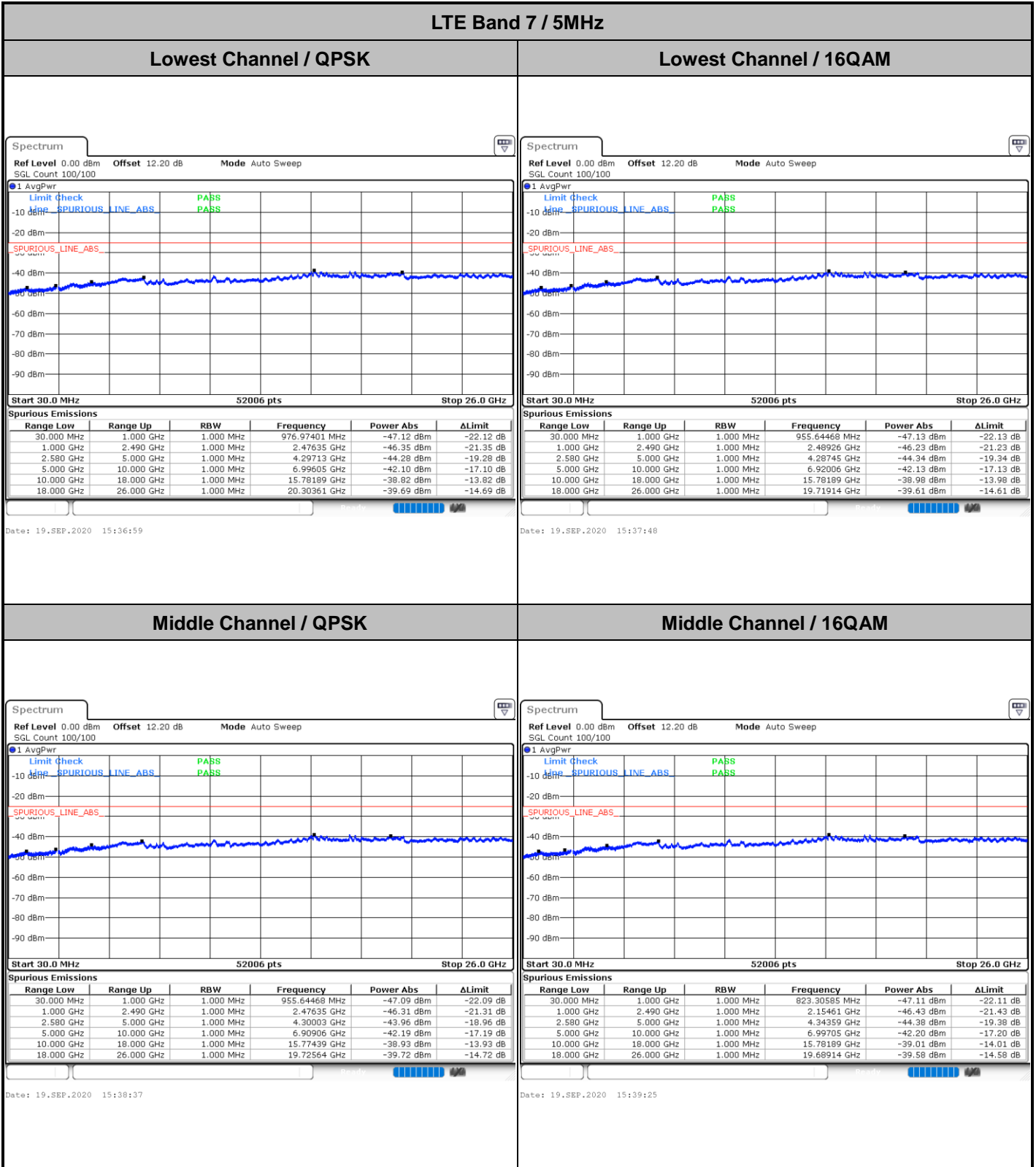
Highest Band Edge / Full RB



Date: 19_SEP.2020 16:24:58



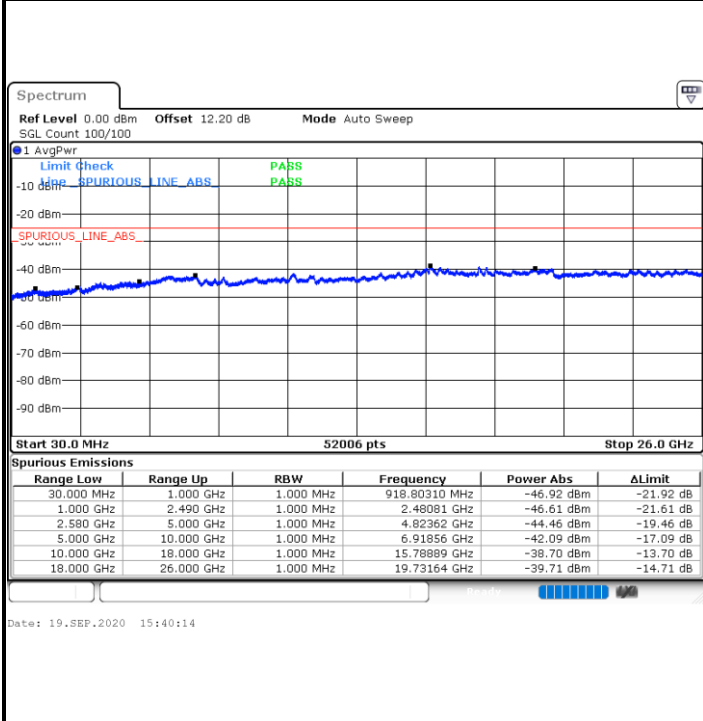
Conducted Spurious Emission



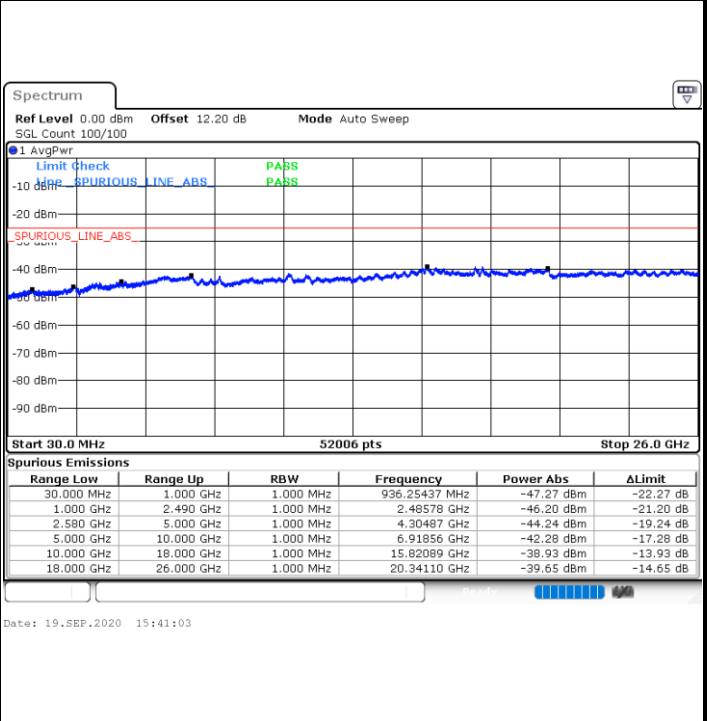


LTE Band 7 / 5MHz

Highest Channel / QPSK

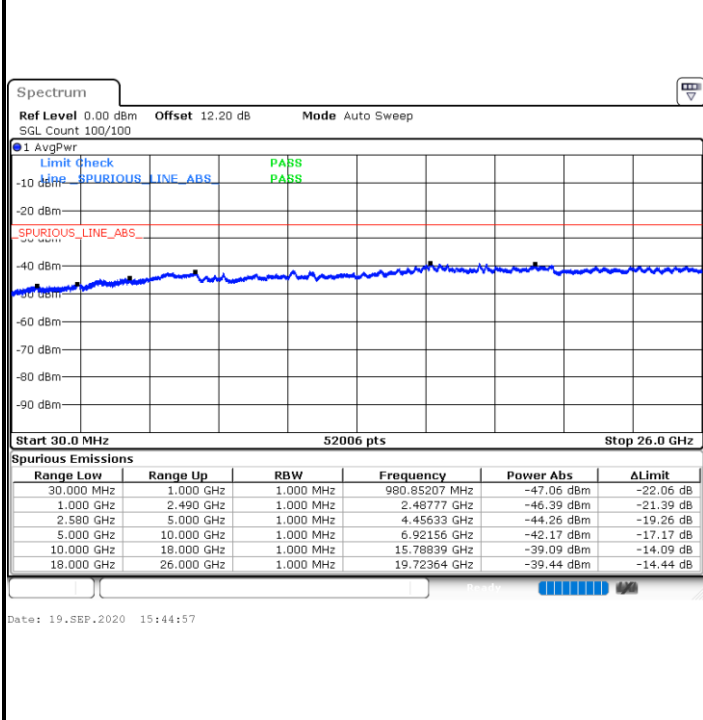


Highest Channel / 16QAM

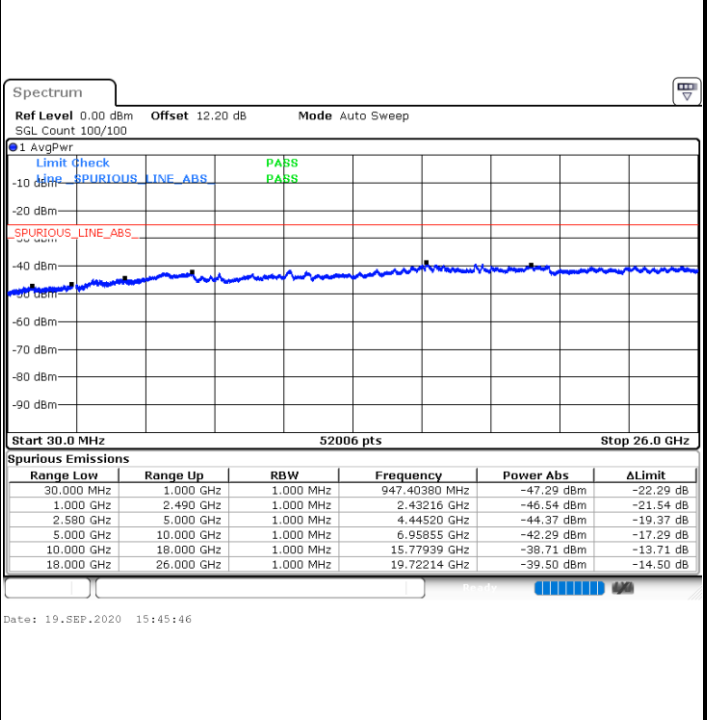


LTE Band 7 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

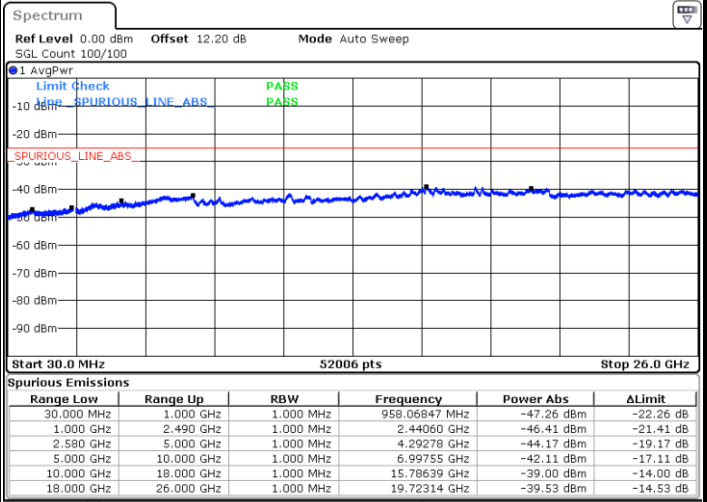
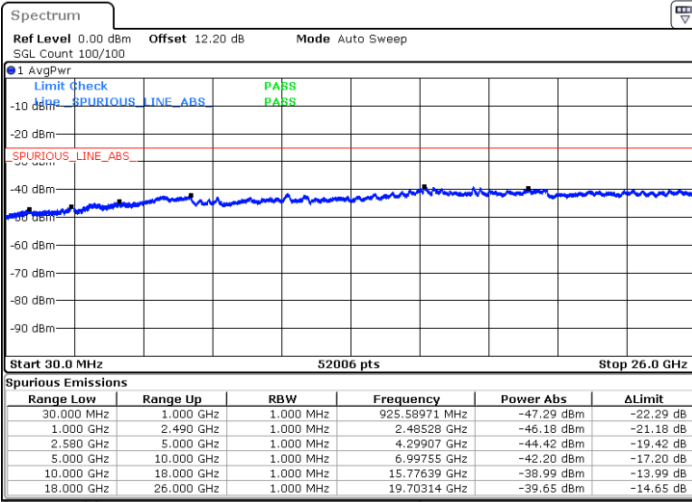




LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

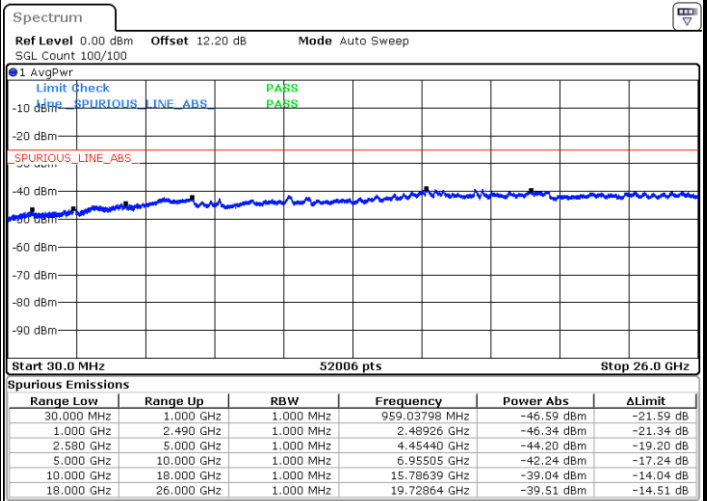
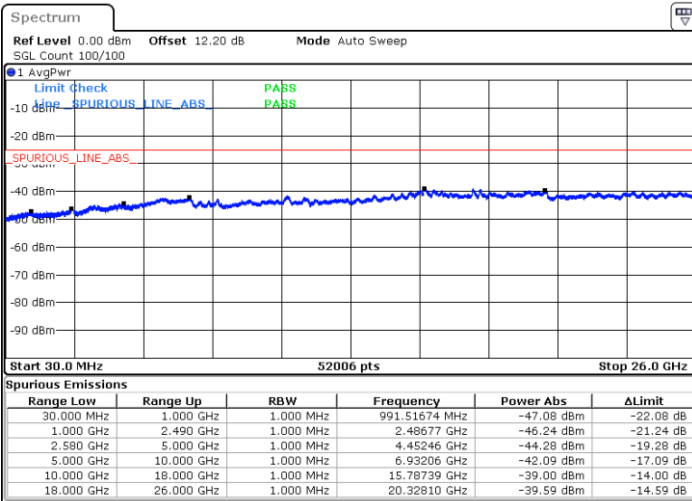


Date: 19.SEP.2020 15:47:20

Date: 19.SEP.2020 15:48:09

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.SEP.2020 15:50:59

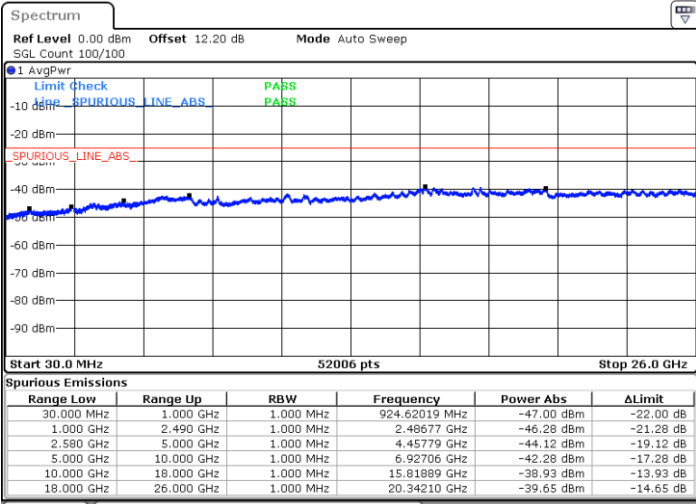
Date: 19.SEP.2020 15:51:48



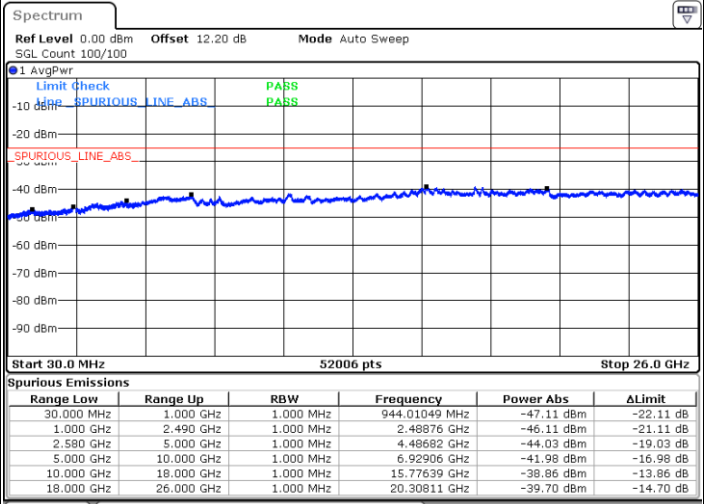
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



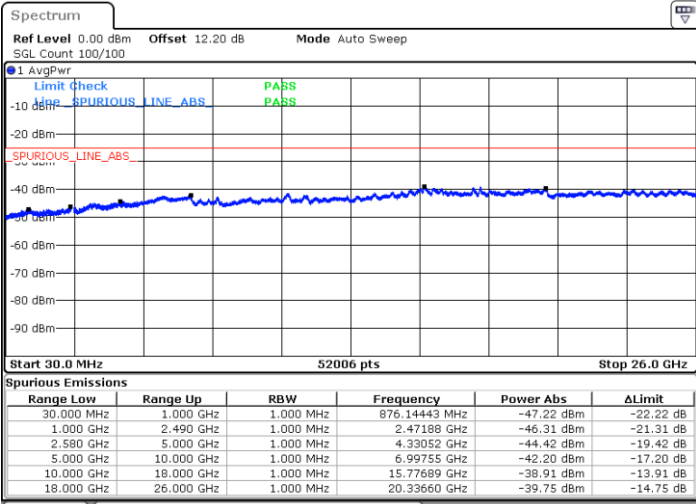
Date: 19.SEP.2020 15:59:31



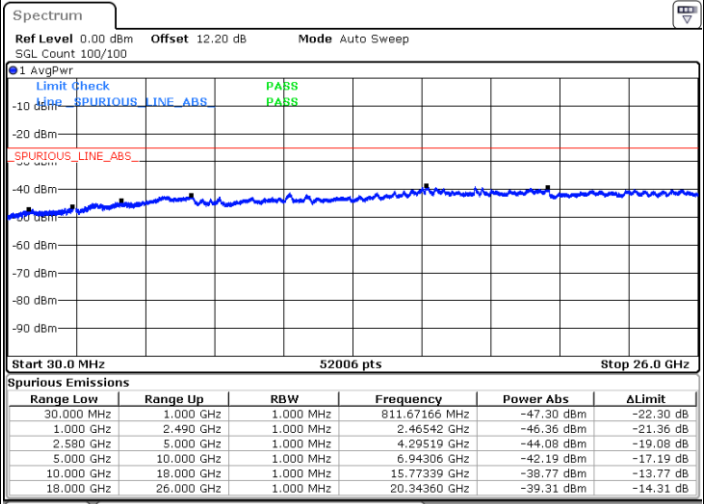
Date: 19.SEP.2020 16:00:20

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 19.SEP.2020 16:01:54

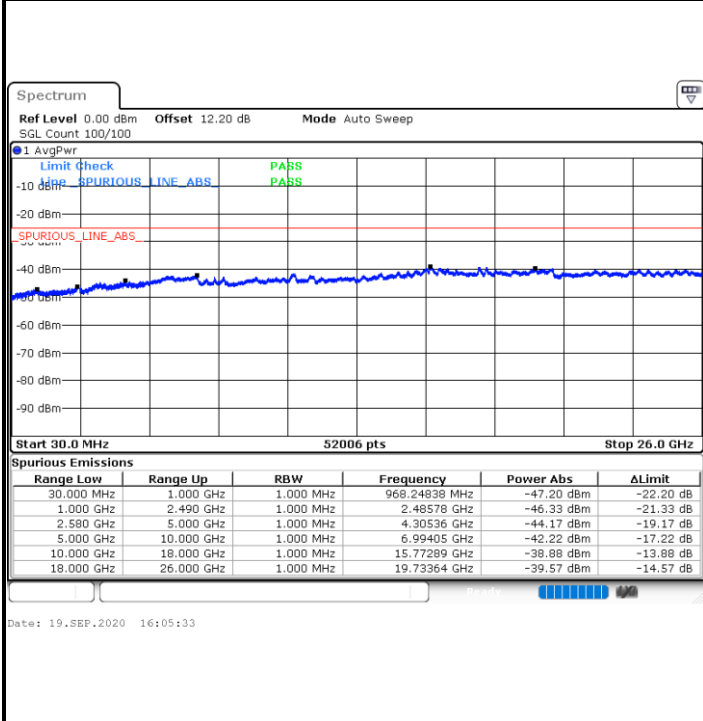


Date: 19.SEP.2020 16:02:43

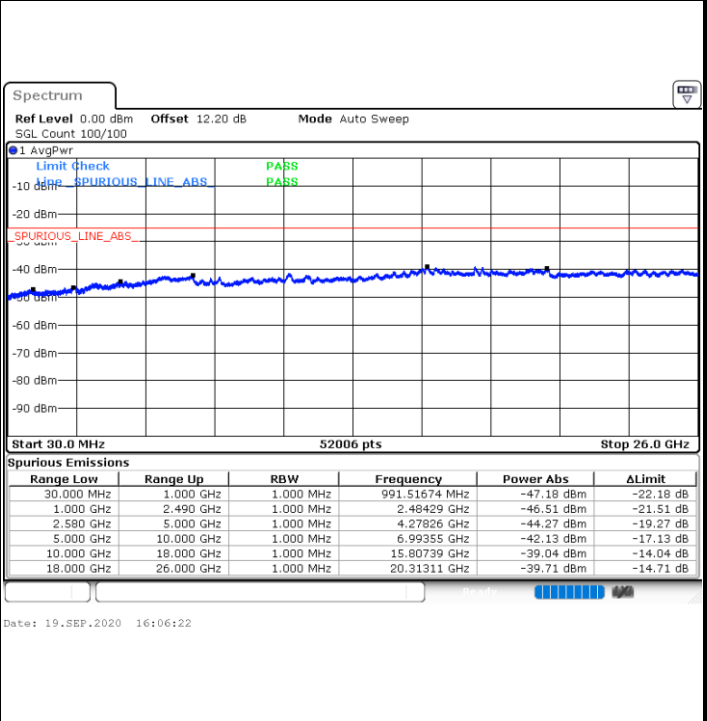


LTE Band7 / 15MHz

Highest Channel / QPSK

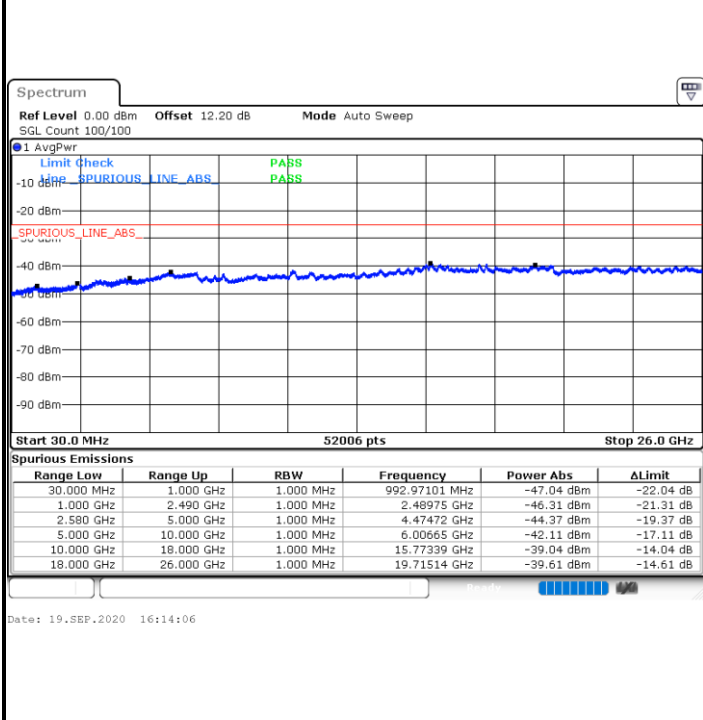


Highest Channel / 16QAM

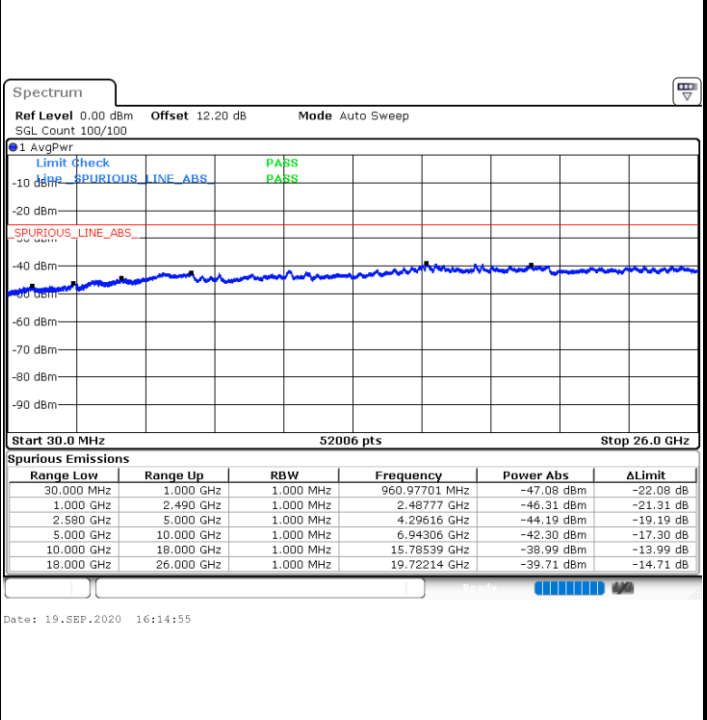


LTE Band 7 / 20MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

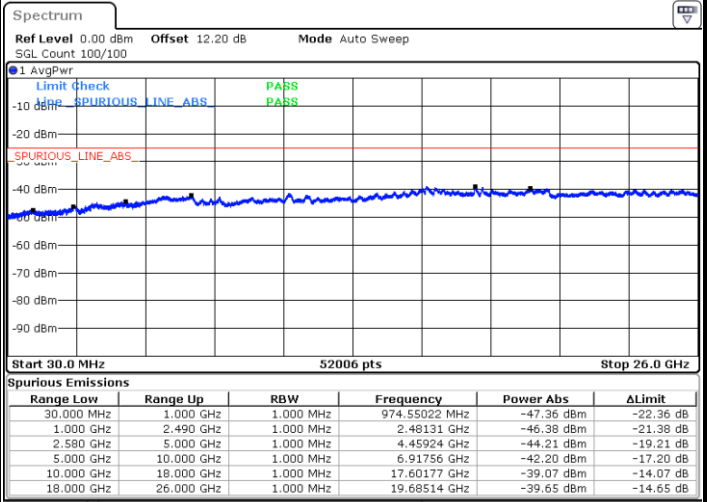
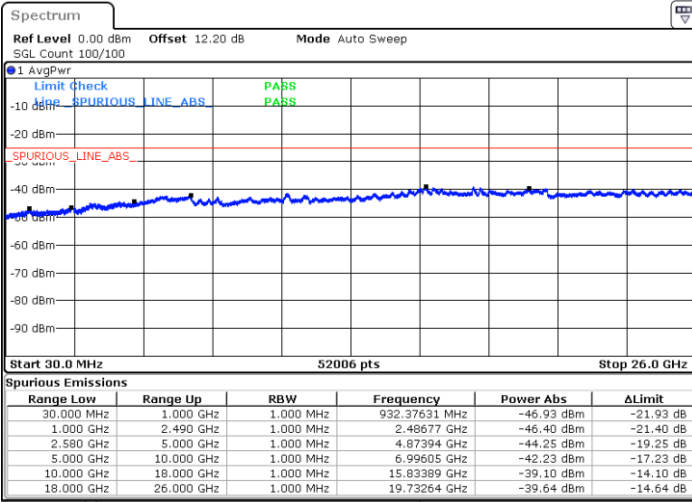




LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

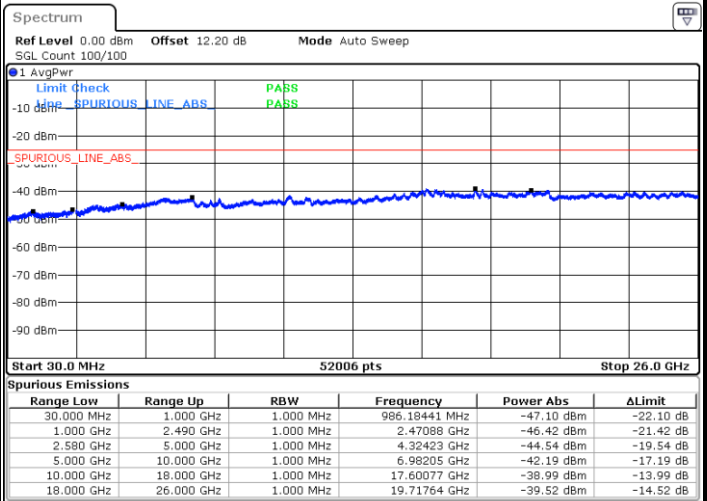
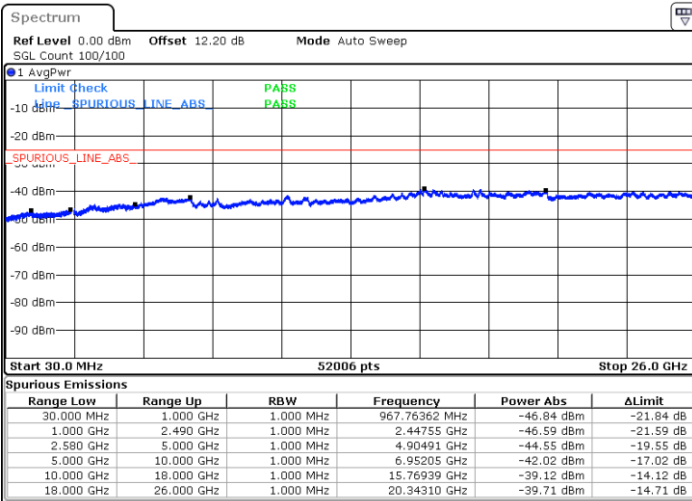


Date: 19.SEP.2020 16:16:29

Date: 19.SEP.2020 16:17:18

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.SEP.2020 16:20:08

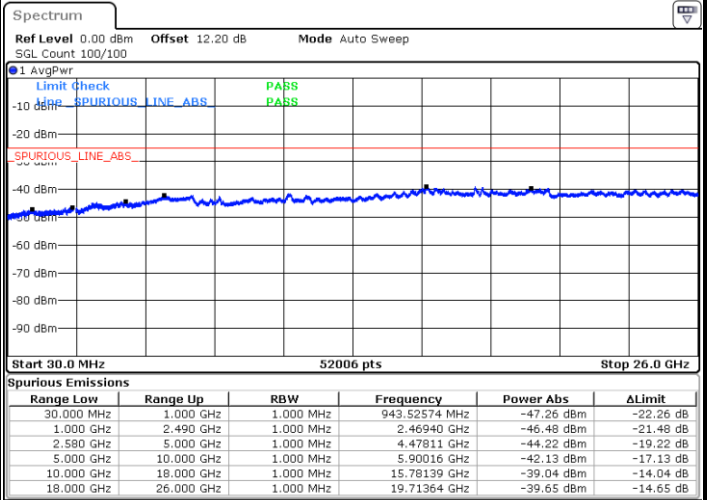
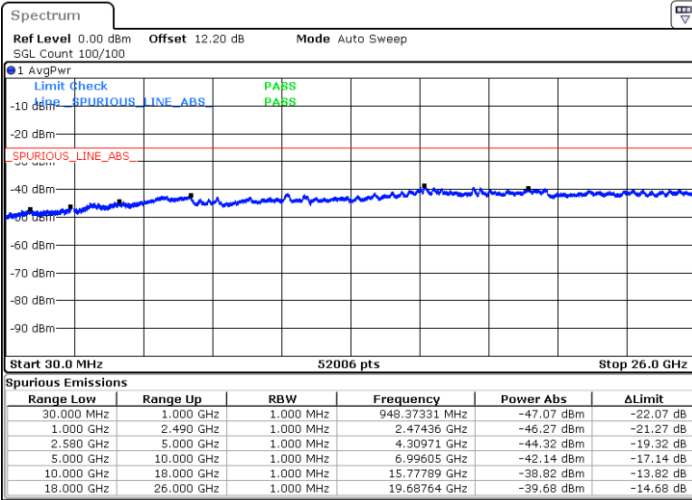
Date: 19.SEP.2020 16:20:57



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

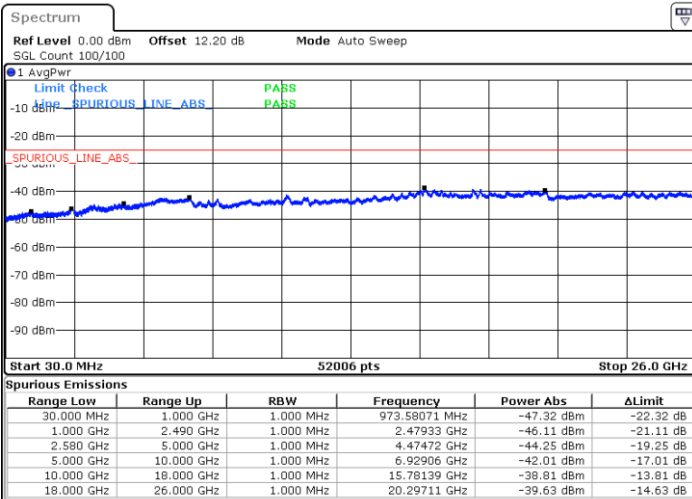
Middle Channel / 64QAM



Date: 19.SEP.2020 15:41:53

Date: 19.SEP.2020 16:29:48

Highest Channel / 64QAM



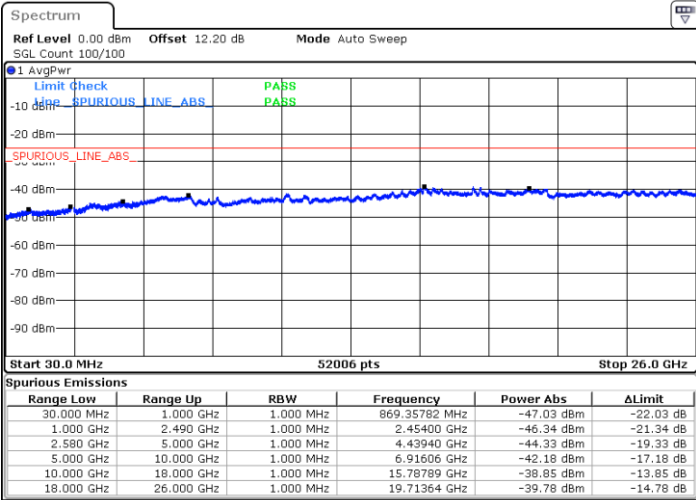
Date: 19.SEP.2020 15:42:42



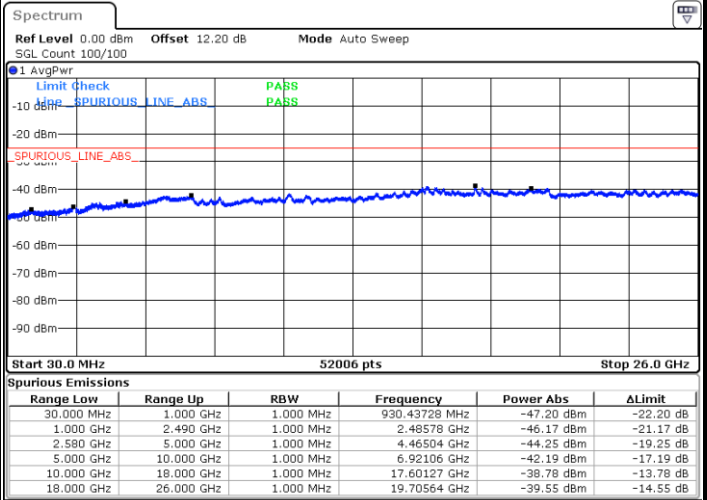
LTE Band 7 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

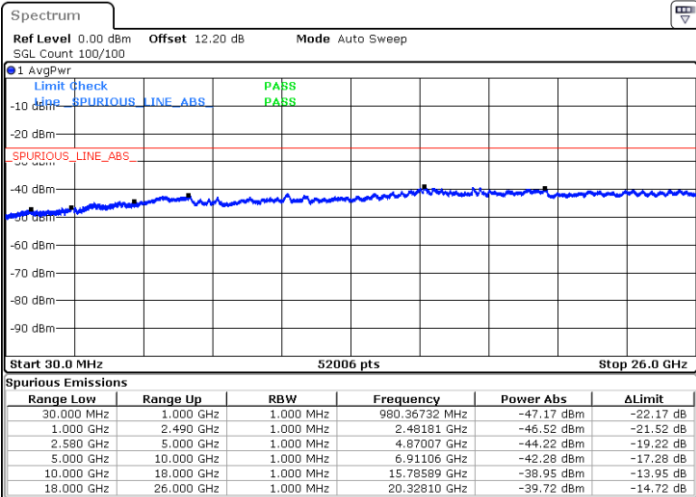


Date: 19.SEP.2020 15:53:38



Date: 19.SEP.2020 15:54:49

Highest Channel / 64QAM



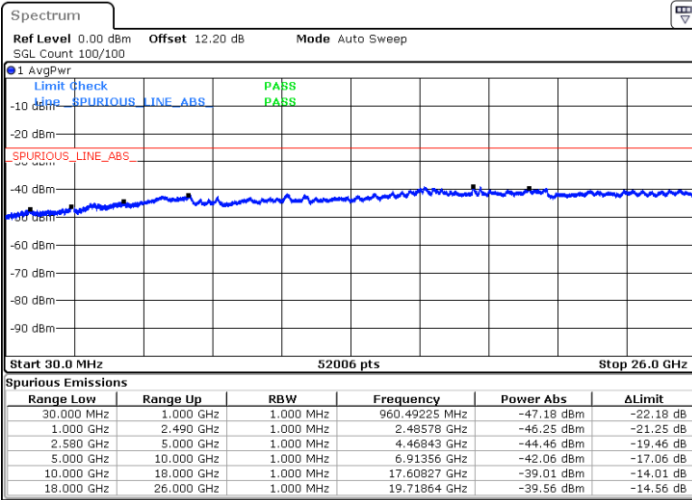
Date: 19.SEP.2020 15:56:38



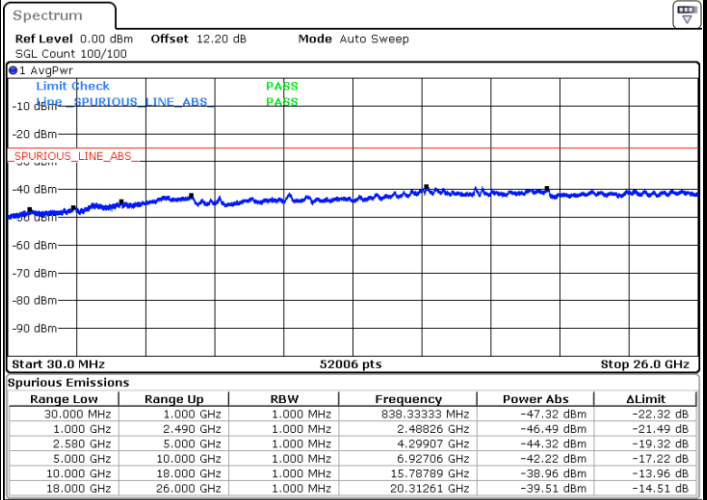
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

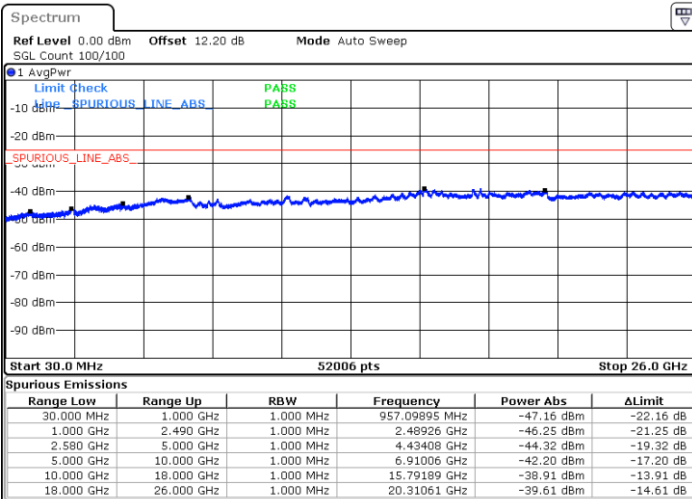


Date: 19.SEP.2020 16:08:13



Date: 19.SEP.2020 16:09:24

Highest Channel / 64QAM



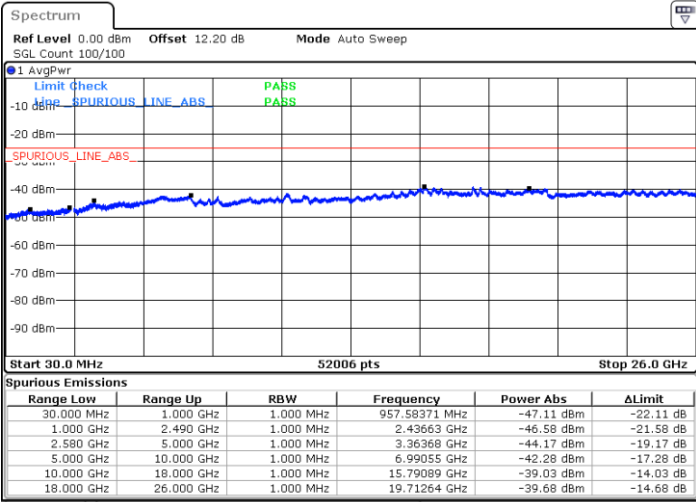
Date: 19.SEP.2020 16:11:14



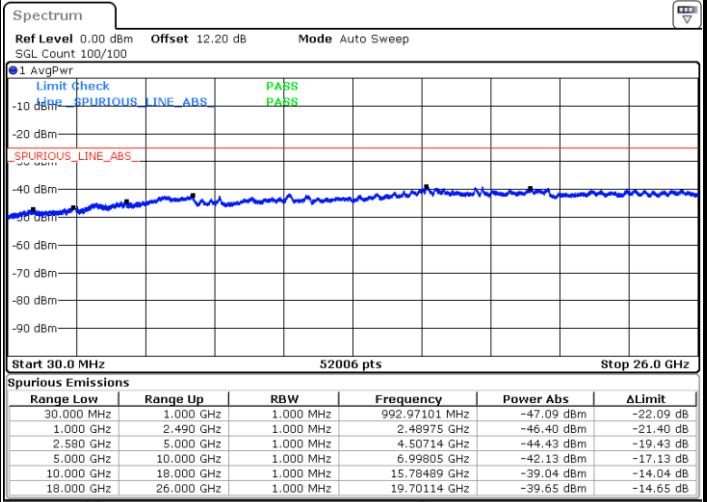
LTE Band 7 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

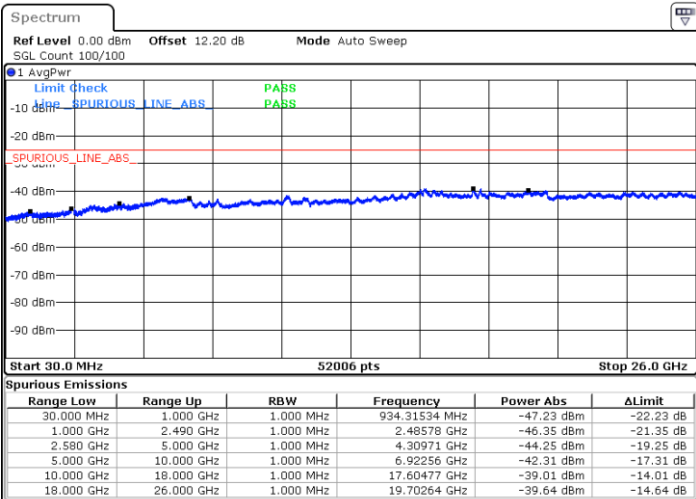


Date: 19.SEP.2020 16:22:47



Date: 19.SEP.2020 16:23:59

Highest Channel / 64QAM



Date: 19.SEP.2020 16:25:48



Frequency Stability

| Test Conditions | | LTE Band 7 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0012 | PASS |
| 40 | Normal Voltage | 0.0003 | |
| 30 | Normal Voltage | 0.0003 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0013 | |
| 0 | Normal Voltage | 0.0006 | |
| -10 | Normal Voltage | 0.0008 | |
| -20 | Normal Voltage | 0.0011 | |
| -30 | Normal Voltage | 0.0009 | |
| 20 | Maximum Voltage | 0.0003 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0004 | |

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

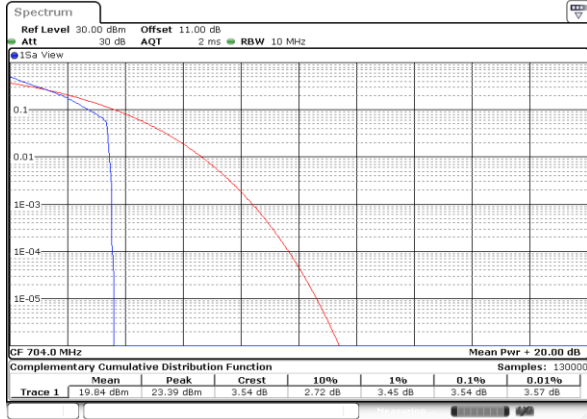
Peak-to-Average Ratio

| Mode | LTE Band 12 / 10MHz | | | | |
|------------|---------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.54 | 4.78 | 4.84 | 6.09 | PASS |
| Middle CH | 3.68 | 4.52 | 5.13 | 5.83 | |
| Highest CH | 3.59 | 4.58 | 5.04 | 5.83 | |
| Mode | LTE Band 12 / 10MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 5.80 | 6.58 | - | - | PASS |
| Middle CH | 6.67 | 6.41 | - | - | |
| Highest CH | 6.52 | 6.46 | - | - | |



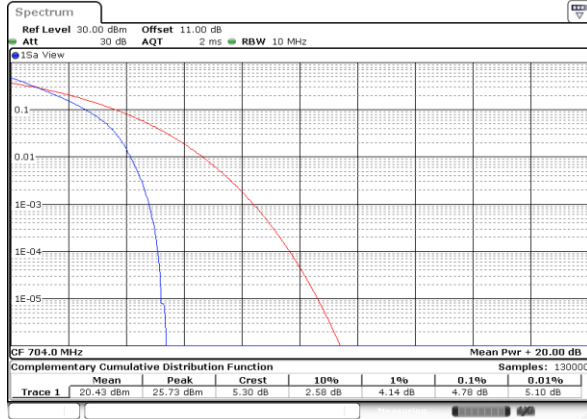
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



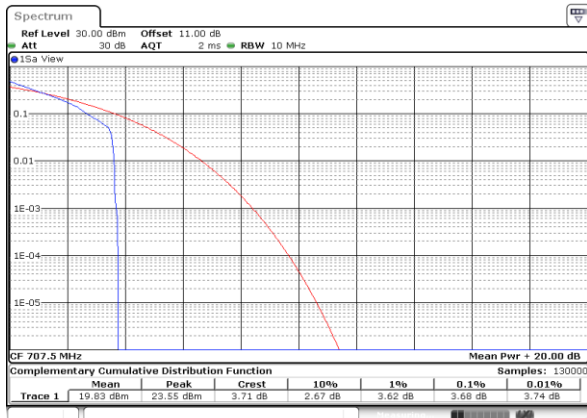
Date: 19_SEP.2020 09:02:21

Lowest Channel / Full RB



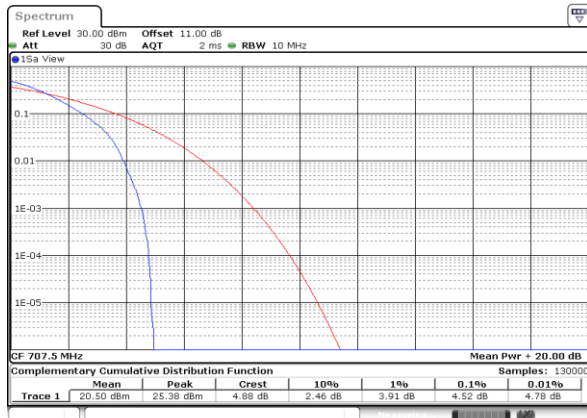
Date: 19_SEP.2020 09:02:10

Middle Channel / 1RB



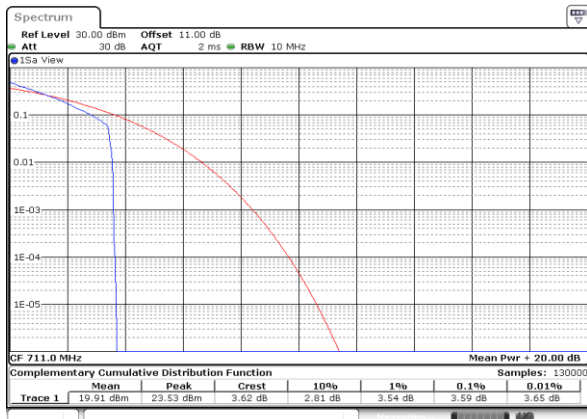
Date: 19_SEP.2020 09:02:33

Middle Channel / Full RB



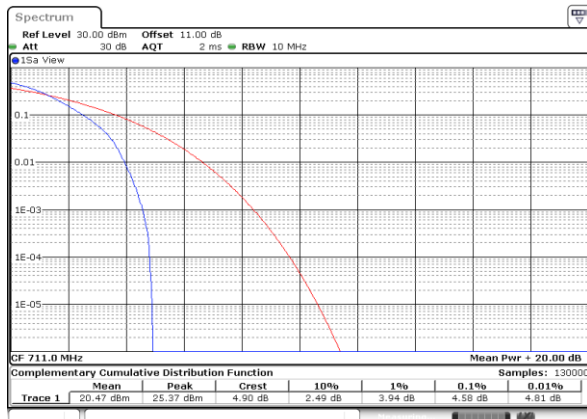
Date: 19_SEP.2020 09:02:43

Highest Channel / 1RB



Date: 19_SEP.2020 09:03:04

Highest Channel / Full RB

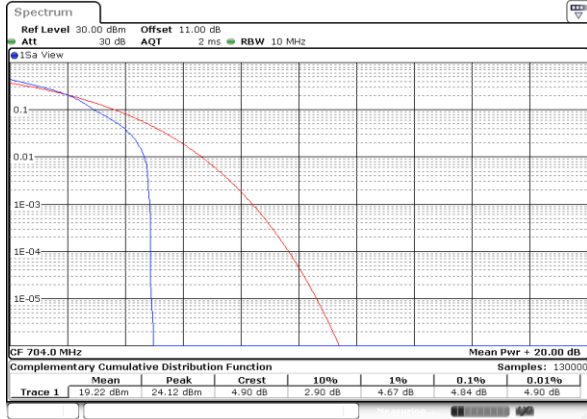


Date: 19_SEP.2020 09:02:53



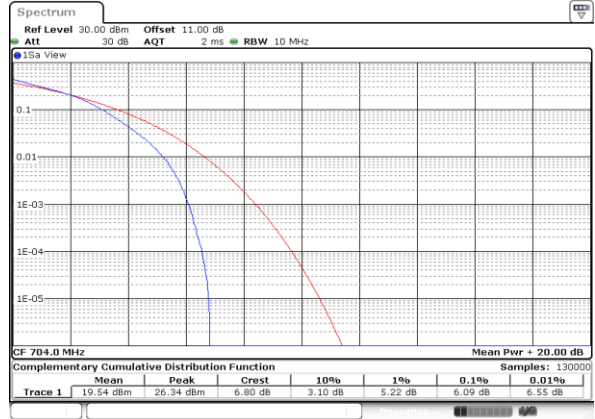
LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



Date: 19_SEP.2020 09:01:19

Lowest Channel / Full RB



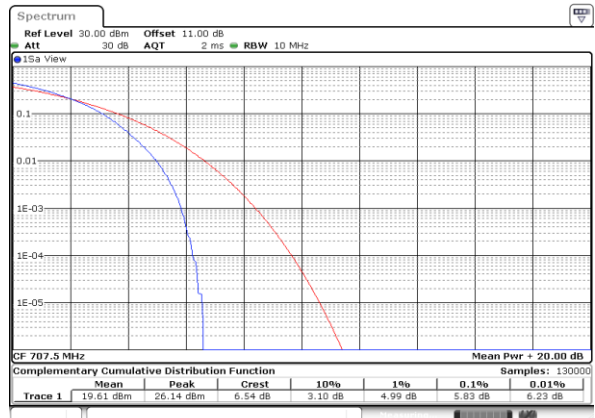
Date: 19_SEP.2020 09:01:08

Middle Channel / 1RB



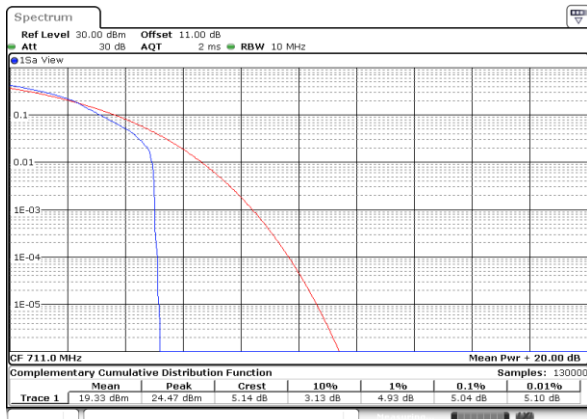
Date: 19_SEP.2020 09:01:29

Middle Channel / Full RB



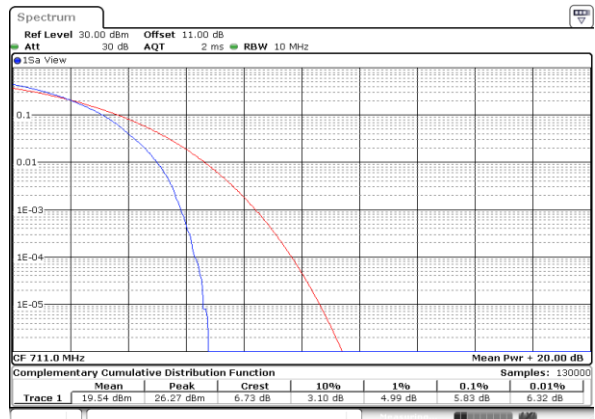
Date: 19_SEP.2020 09:01:39

Highest Channel / 1RB



Date: 19_SEP.2020 09:02:00

Highest Channel / Full RB

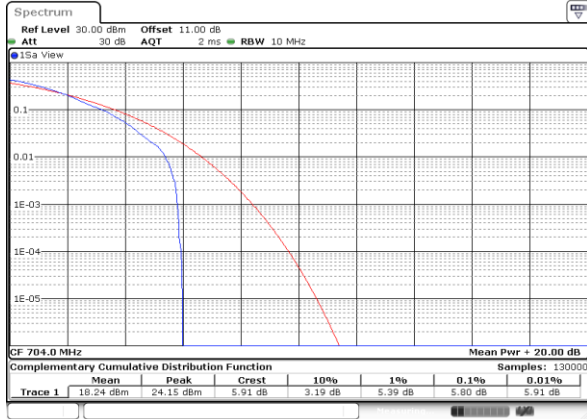


Date: 19_SEP.2020 09:01:49



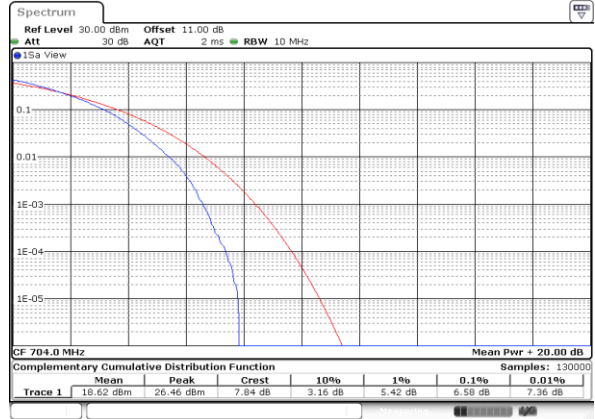
LTE Band 12 / 10MHz / 64QAM

Lowest Channel / 1RB



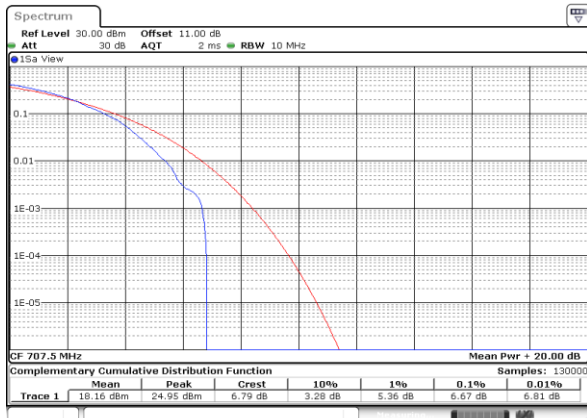
Date: 19_SEP.2020 09:00:12

Lowest Channel / Full RB



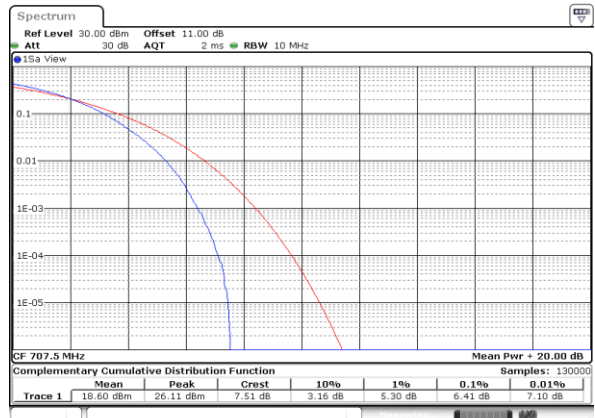
Date: 19_SEP.2020 09:00:01

Middle Channel / 1RB



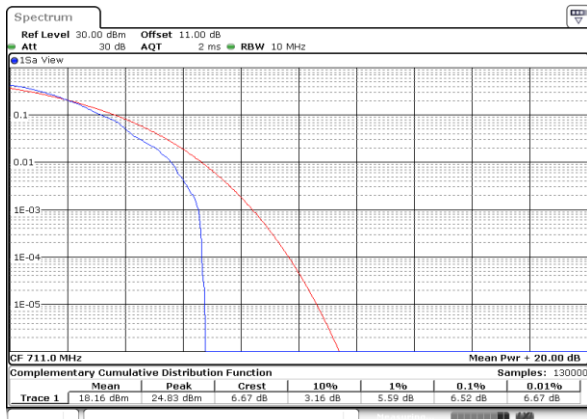
Date: 19_SEP.2020 09:00:22

Middle Channel / Full RB



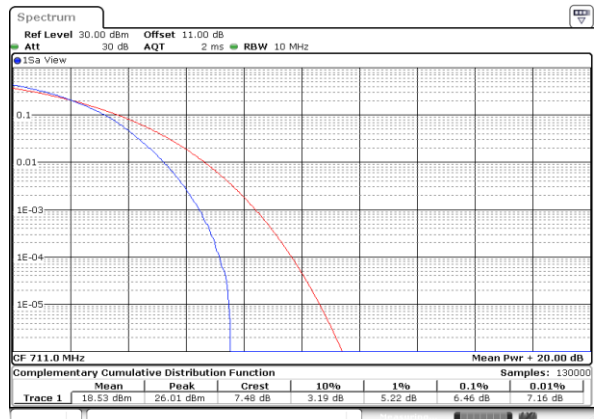
Date: 19_SEP.2020 09:00:32

Highest Channel / 1RB



Date: 19_SEP.2020 09:00:55

Highest Channel / Full RB



Date: 19_SEP.2020 09:00:42



26dB Bandwidth

| Mode | LTE Band 12 : 26dB BW(MHz) | | | | | | | | | | | |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Lowest CH | 1.23 | 1.23 | 3.08 | 3.05 | 4.88 | 4.79 | 9.77 | 9.85 | - | - | - | - |
| Middle CH | 1.22 | 1.22 | 3.05 | 3.05 | 4.94 | 4.94 | 9.65 | 9.71 | - | - | - | - |
| Highest CH | 1.23 | 1.24 | 3.06 | 3.07 | 4.89 | 4.88 | 9.79 | 9.69 | - | - | - | - |
| Mode | LTE Band 12 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.23 | - | 2.99 | - | 4.96 | - | 9.89 | - | - | - | - | - |
| Middle CH | 1.19 | - | 3.02 | - | 4.85 | - | 9.81 | - | - | - | - | - |
| Highest CH | 1.22 | - | 3.03 | - | 4.85 | - | 9.77 | - | - | - | - | - |