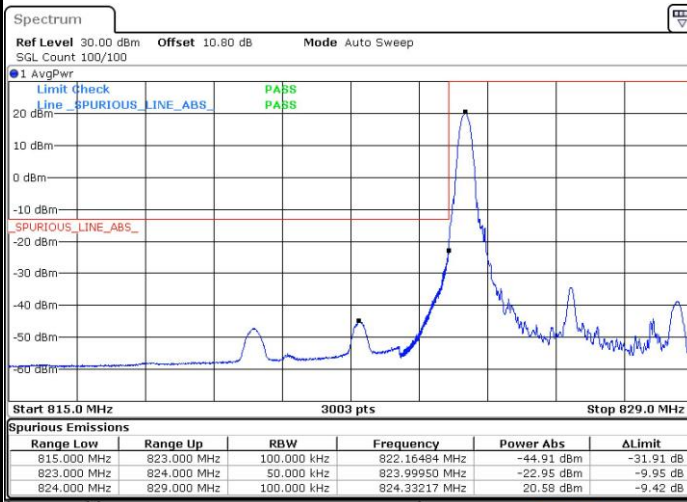




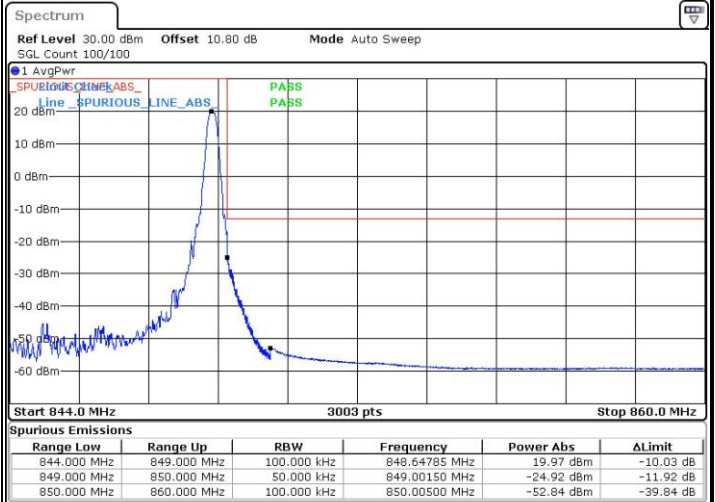
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



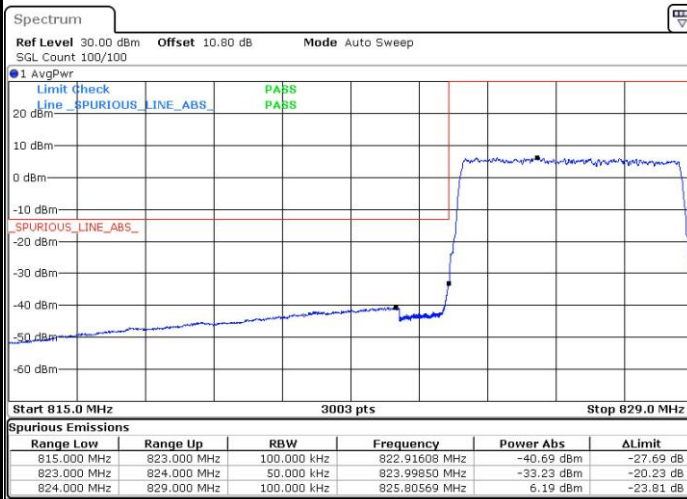
Date: 2 JUL 2019 00:33:13

Highest Band Edge / 1 RB



Date: 2 JUL 2019 00:44:39

Lowest Band Edge / Full RB



Date: 2 JUL 2019 00:36:35

Highest Band Edge / Full RB

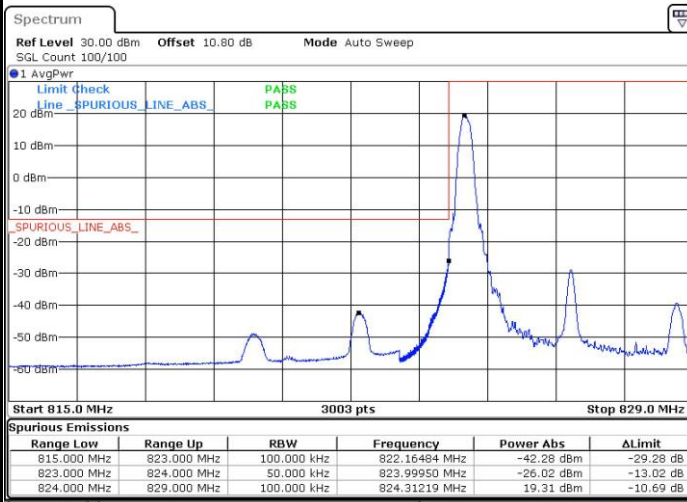


Date: 2 JUL 2019 00:48:02



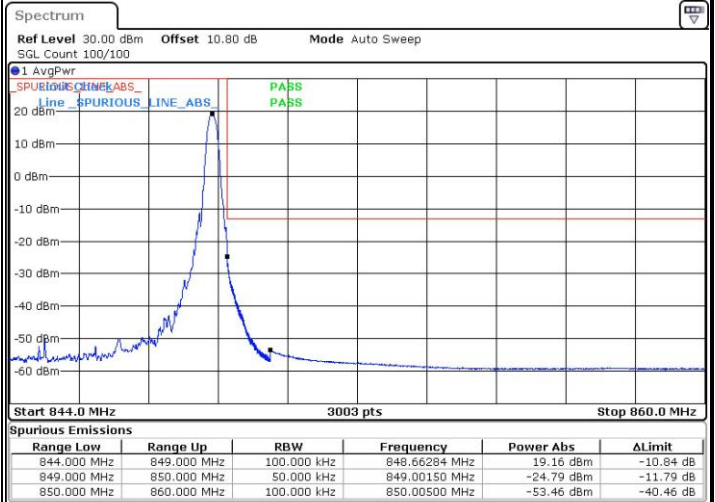
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



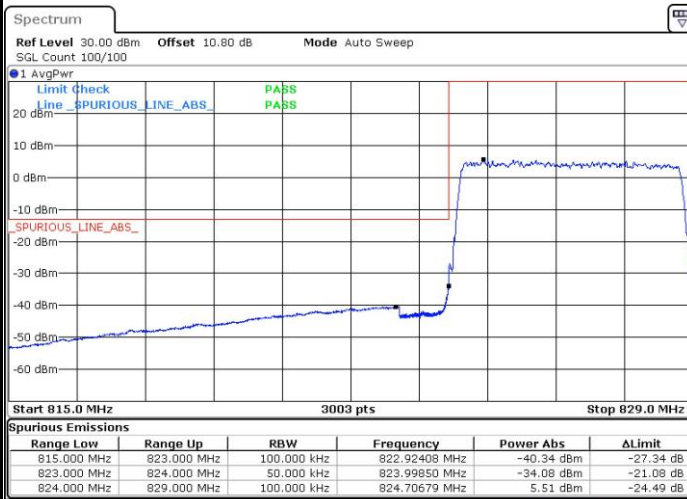
Date: 2 JUL 2019 00:51:40

Highest Band Edge / 1 RB



Date: 2 JUL 2019 00:57:23

Lowest Band Edge / Full RB



Date: 2 JUL 2019 00:53:22

Highest Band Edge / Full RB

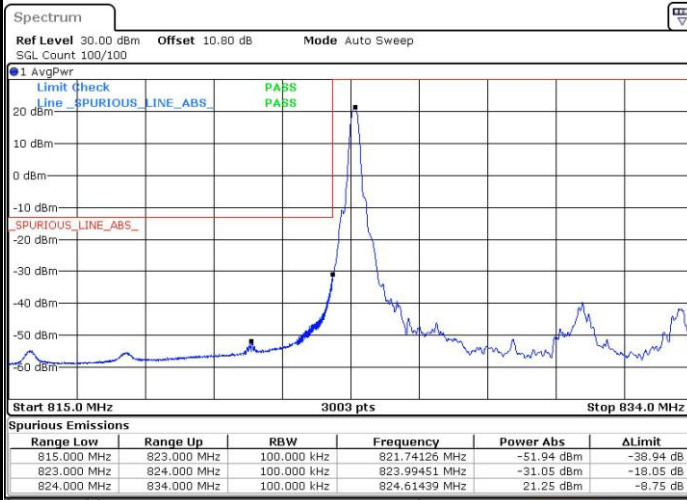


Date: 2 JUL 2019 00:59:04



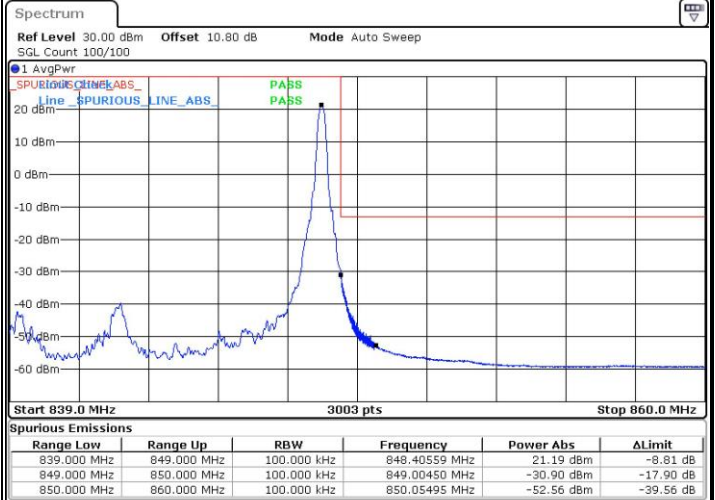
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



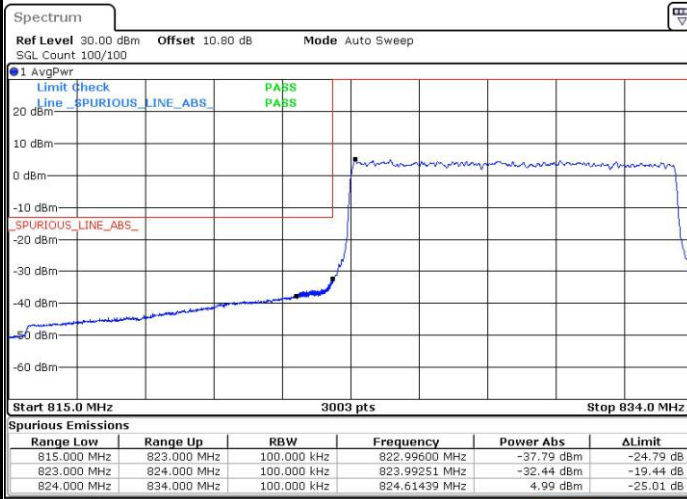
Date: 2 JUL 2019 01:01:36

Highest Band Edge / 1 RB



Date: 2 JUL 2019 01:13:03

Lowest Band Edge / Full RB



Date: 2 JUL 2019 01:04:58

Highest Band Edge / Full RB

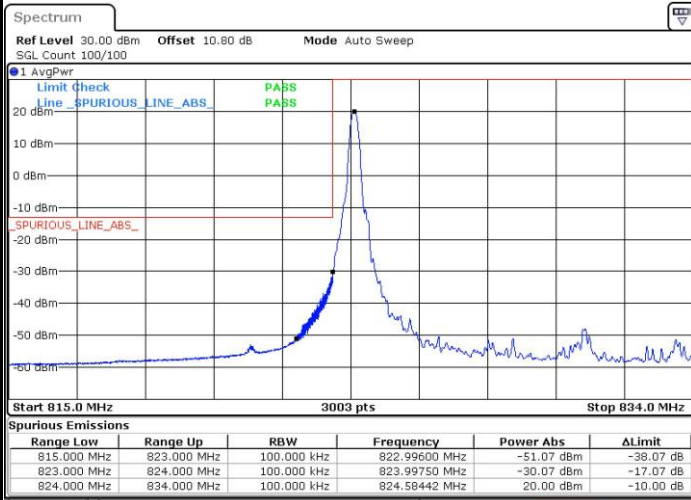


Date: 2 JUL 2019 01:16:26



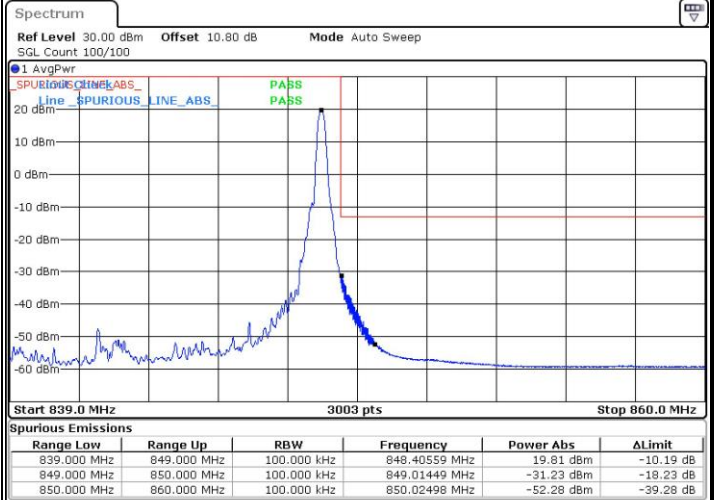
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



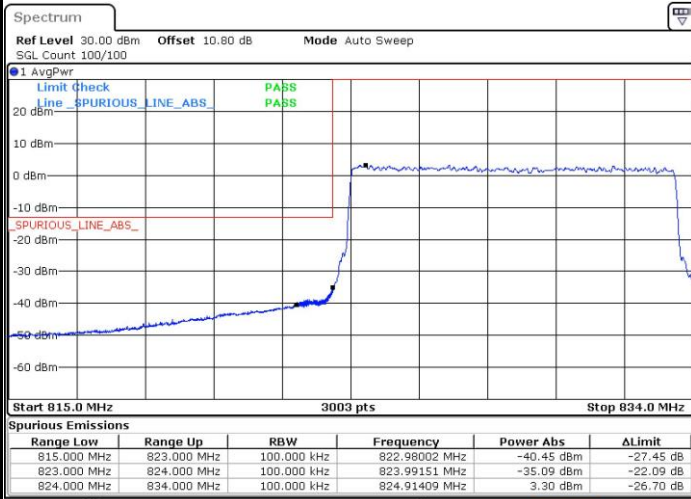
Date: 2 JUL 2019 01:03:17

Highest Band Edge / 1 RB



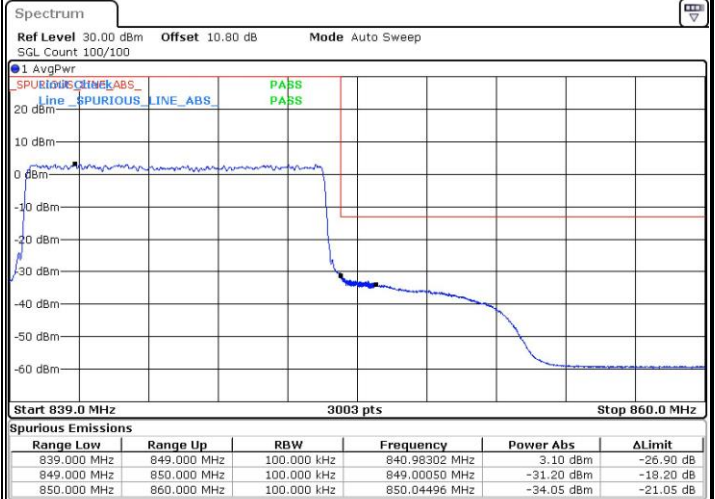
Date: 2 JUL 2019 01:14:45

Lowest Band Edge / Full RB



Date: 2 JUL 2019 01:06:39

Highest Band Edge / Full RB

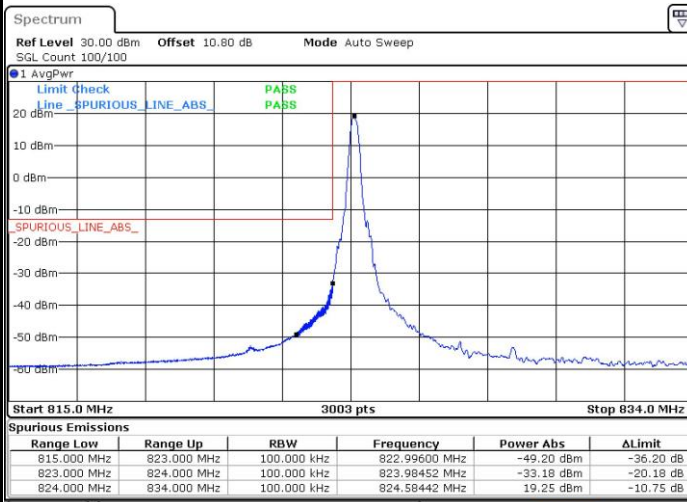


Date: 2 JUL 2019 01:18:07



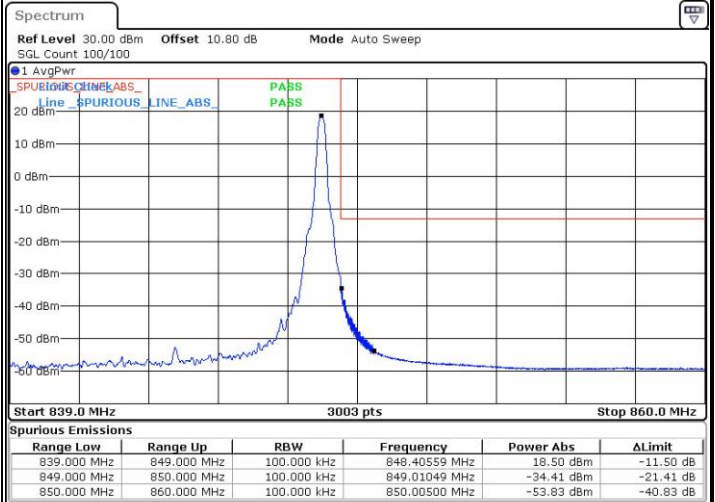
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



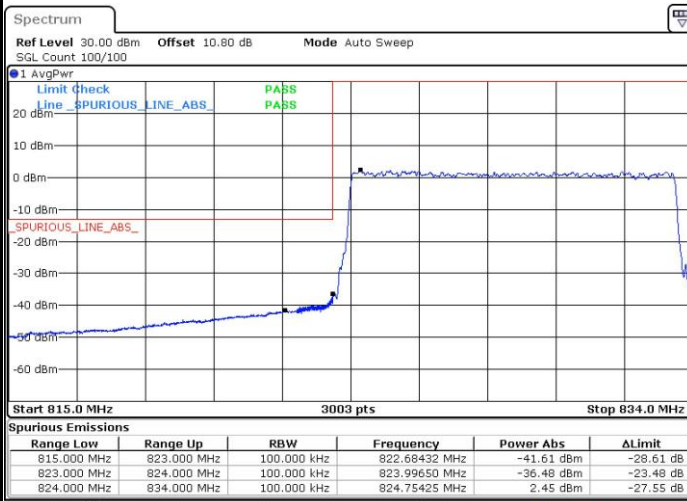
Date: 2 JUL 2019 01:23:33

Highest Band Edge / 1 RB



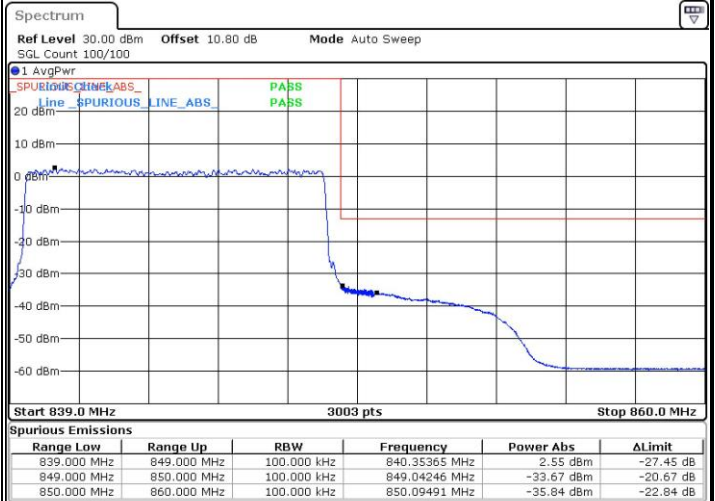
Date: 2 JUL 2019 01:55:24

Lowest Band Edge / Full RB



Date: 2 JUL 2019 02:45:54

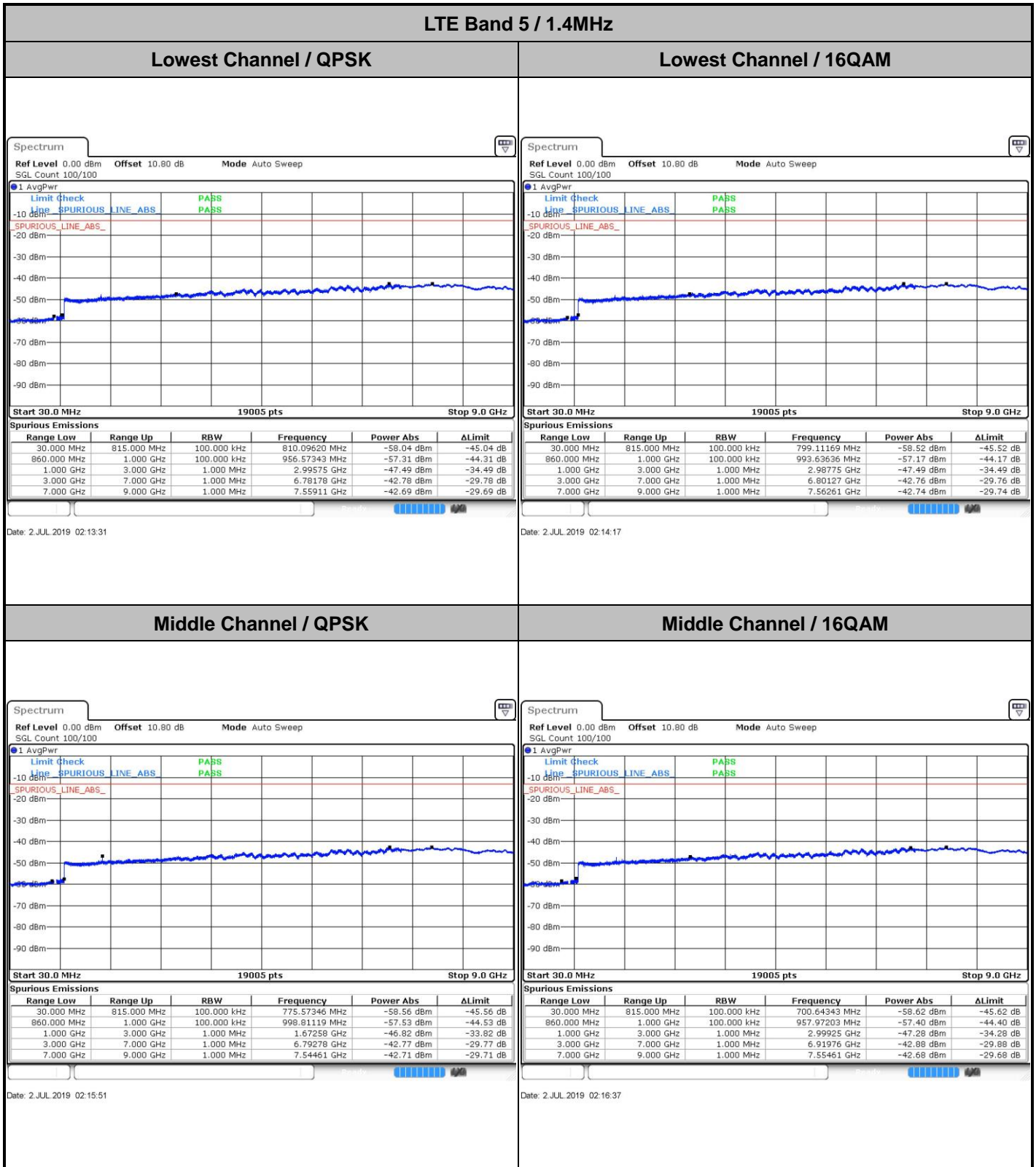
Highest Band Edge / Full RB



Date: 2 JUL 2019 01:57:06



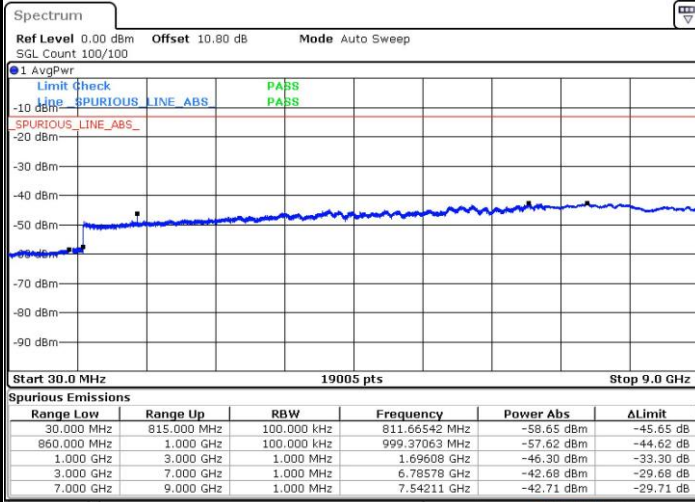
Conducted Spurious Emission





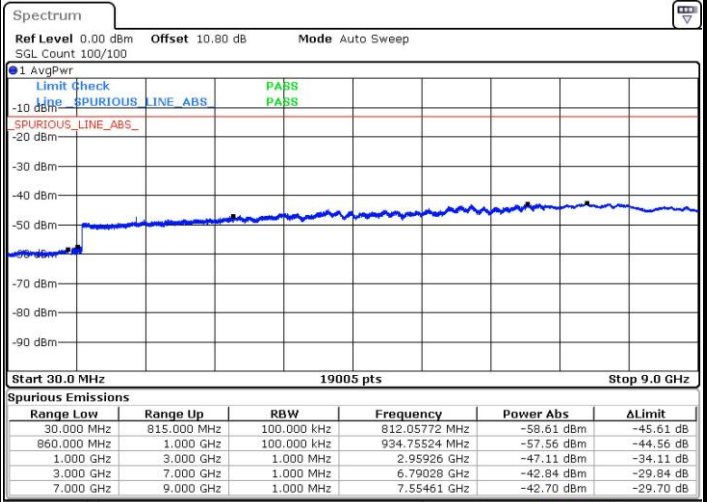
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 2 JUL 2019 02:24:58

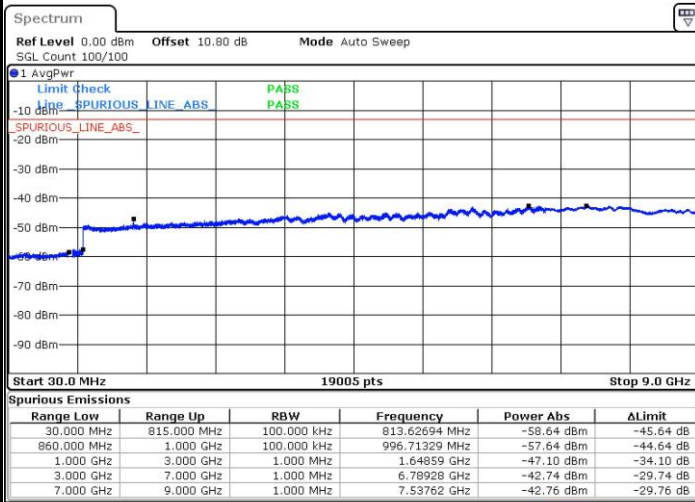
Highest Channel / 16QAM



Date: 2 JUL 2019 02:25:44

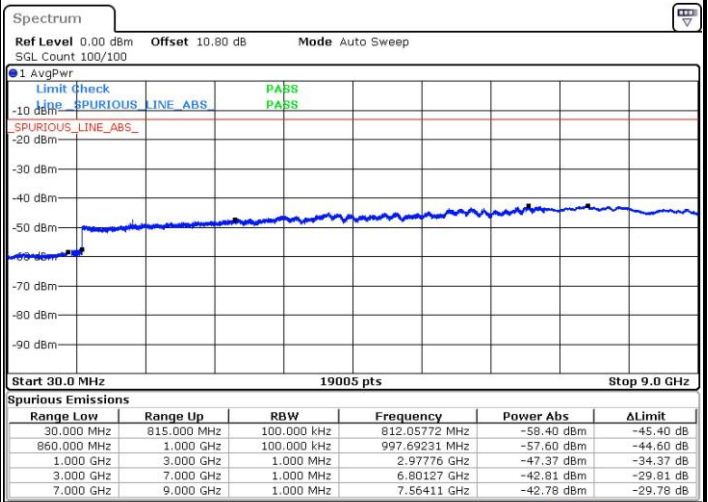
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 2 JUL 2019 00:06:31

Lowest Channel / 16QAM



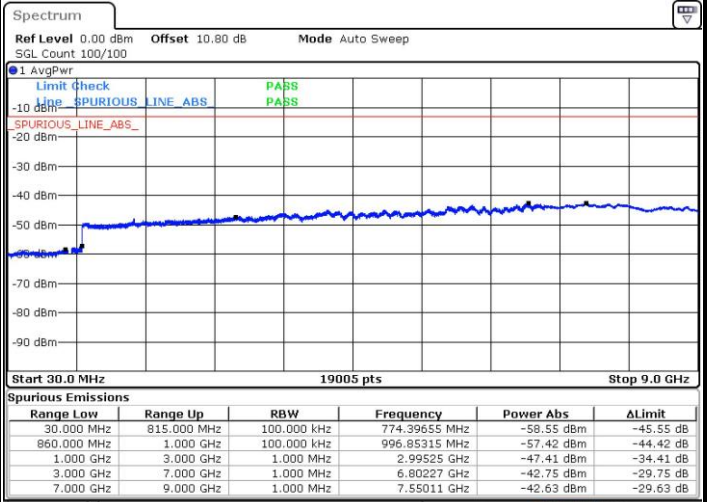
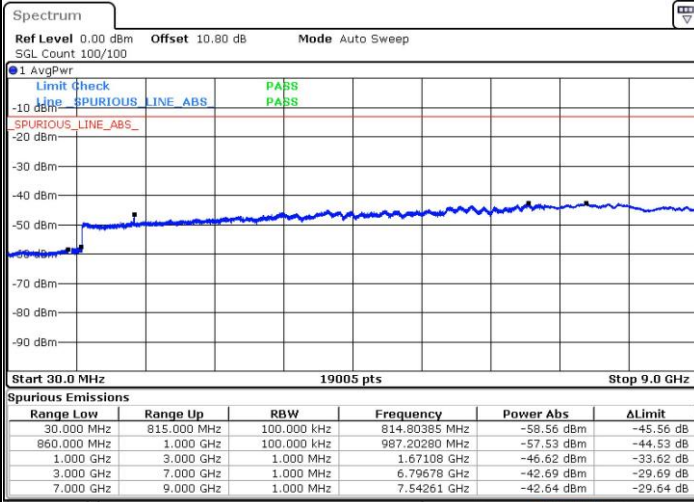
Date: 2 JUL 2019 00:07:17



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

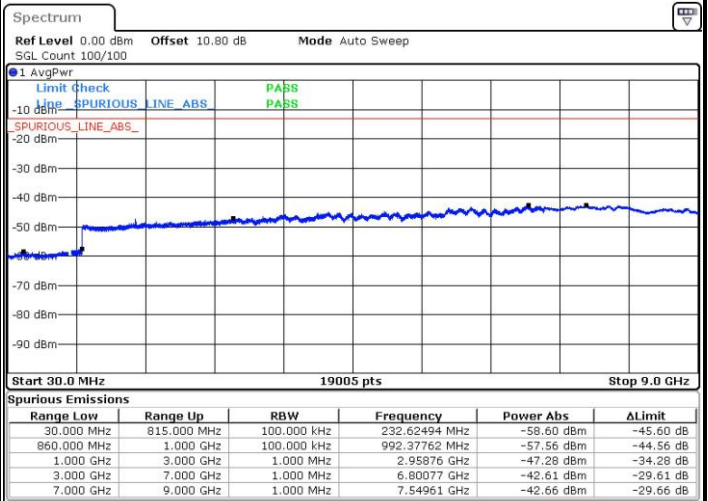
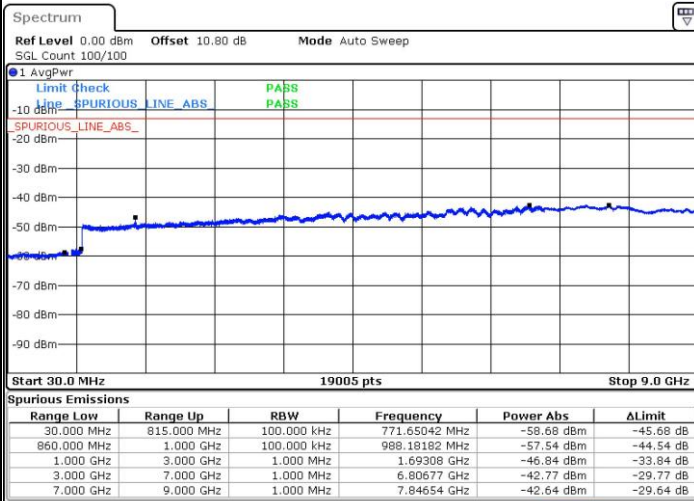


Date: 2 JUL 2019 00:08:50

Date: 2 JUL 2019 00:09:36

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 2 JUL 2019 00:17:57

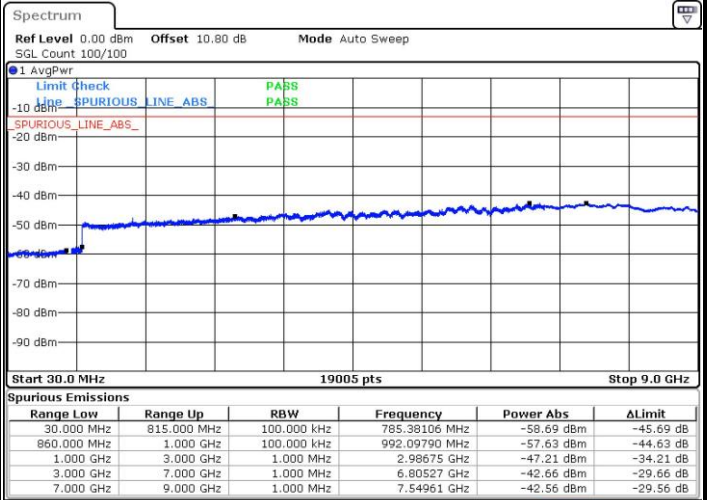
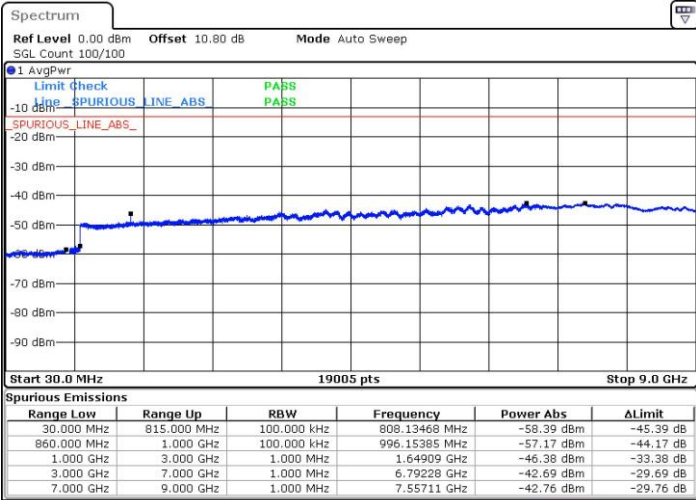
Date: 2 JUL 2019 00:18:43



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

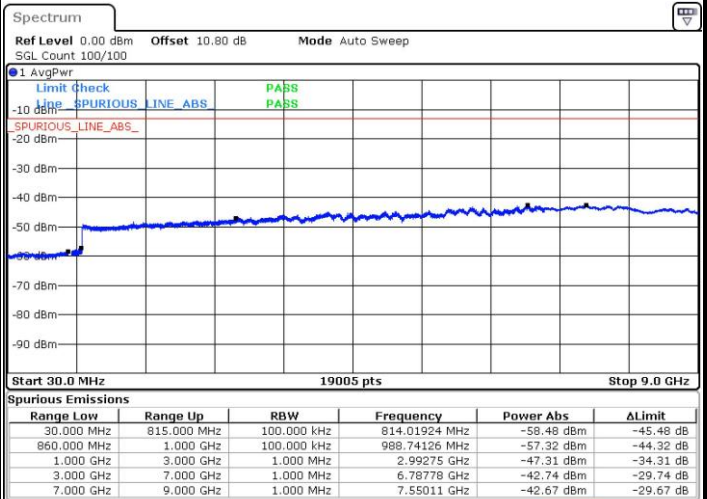
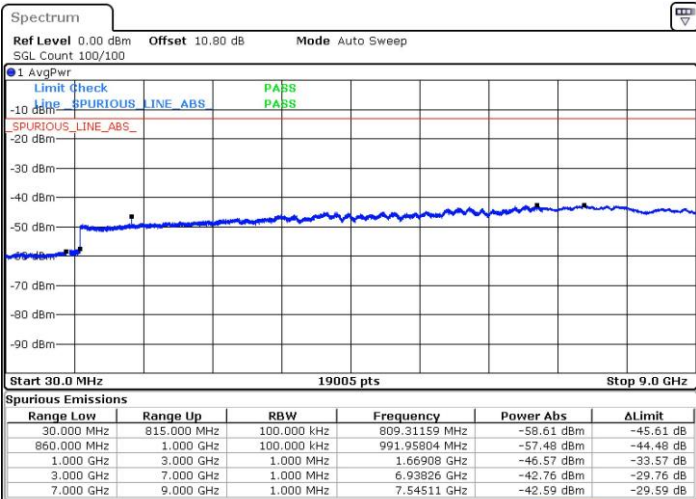


Date: 2 JUL 2019 00:37:22

Date: 2 JUL 2019 00:38:09

Middle Channel / QPSK

Middle Channel / 16QAM



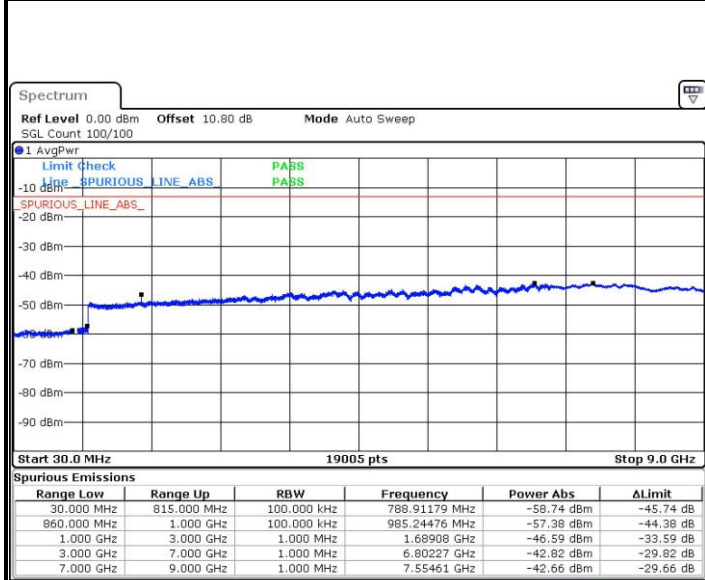
Date: 2 JUL 2019 00:39:42

Date: 2 JUL 2019 00:40:28



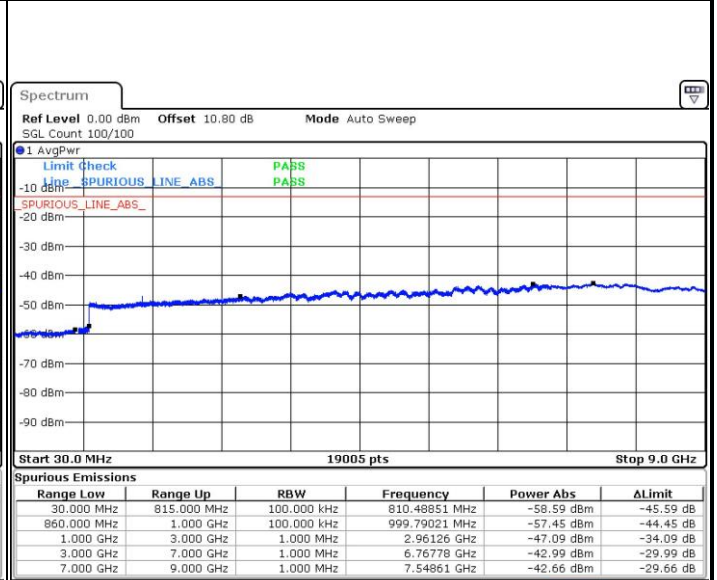
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 2 JUL 2019 00:48:49

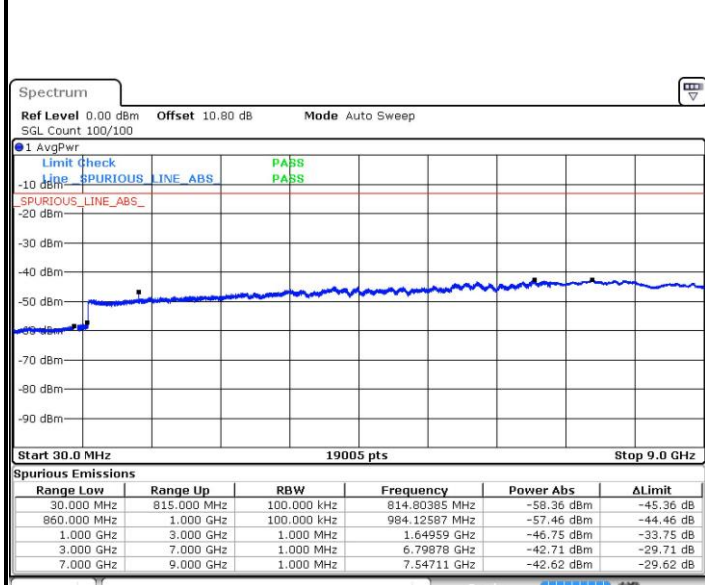
Highest Channel / 16QAM



Date: 2 JUL 2019 00:49:35

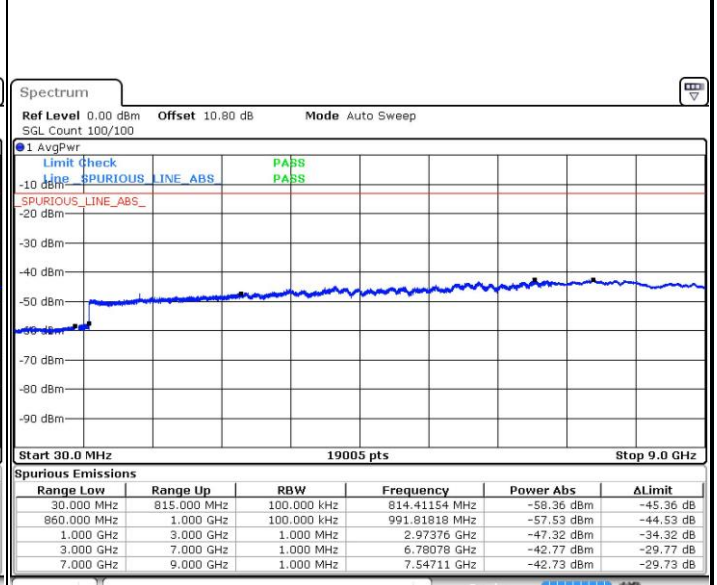
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 2 JUL 2019 01:07:26

Lowest Channel / 16QAM



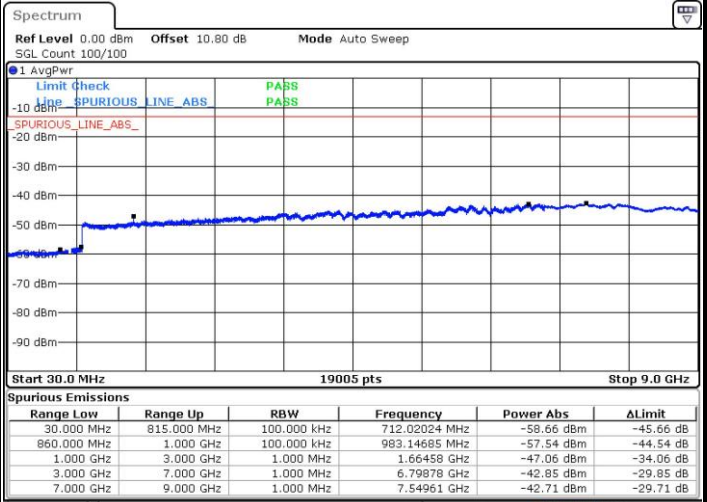
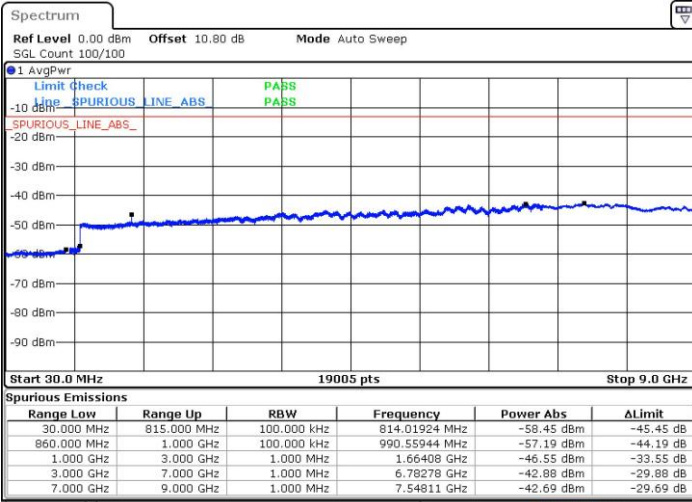
Date: 2 JUL 2019 01:08:12



LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

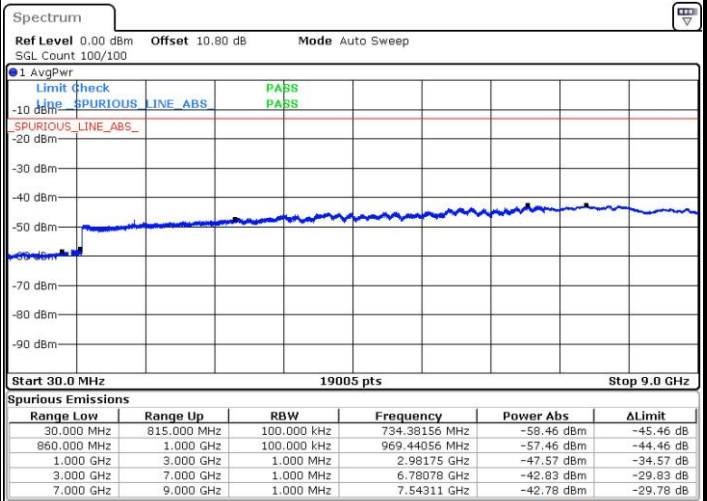
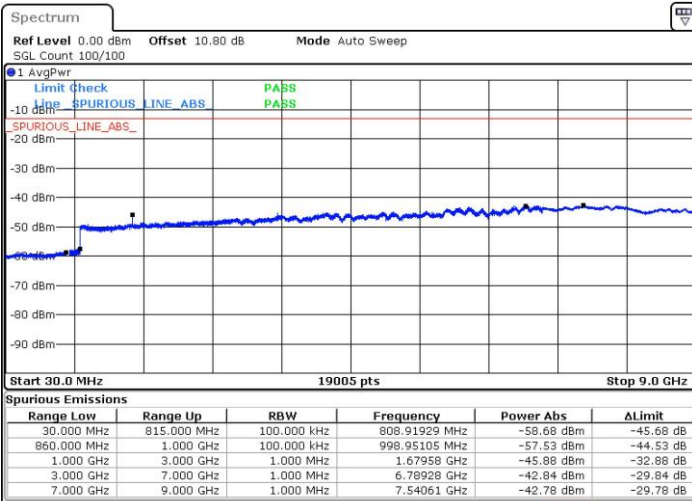


Date: 2 JUL 2019 01:09:46

Date: 2 JUL 2019 01:10:32

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 2 JUL 2019 01:18:54

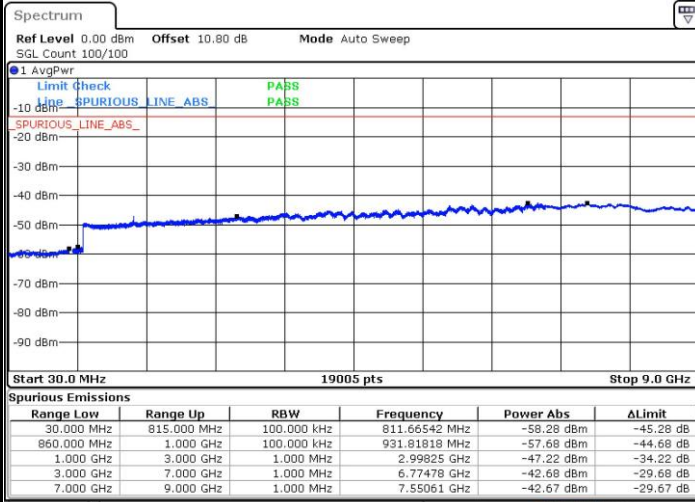
Date: 2 JUL 2019 01:19:40



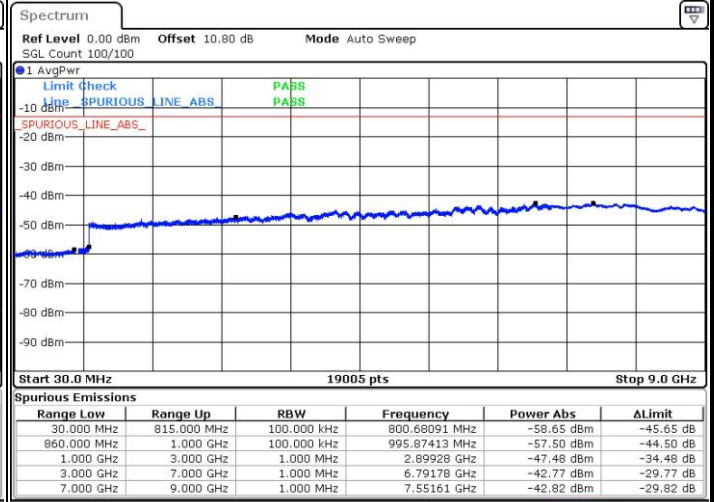
LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

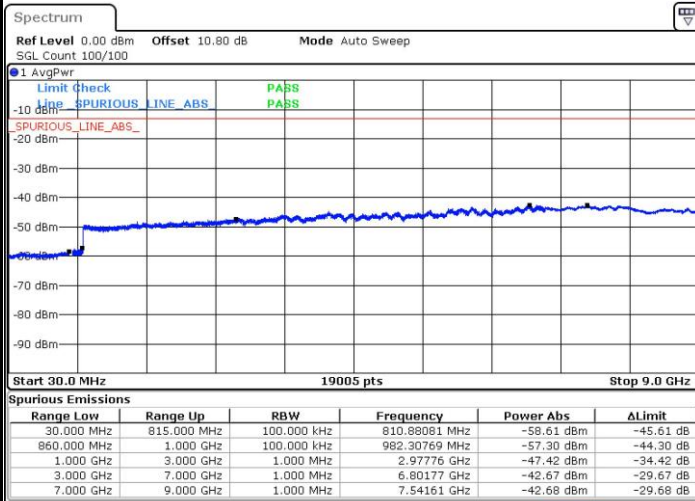


Date: 2 JUL 2019 02:30:18

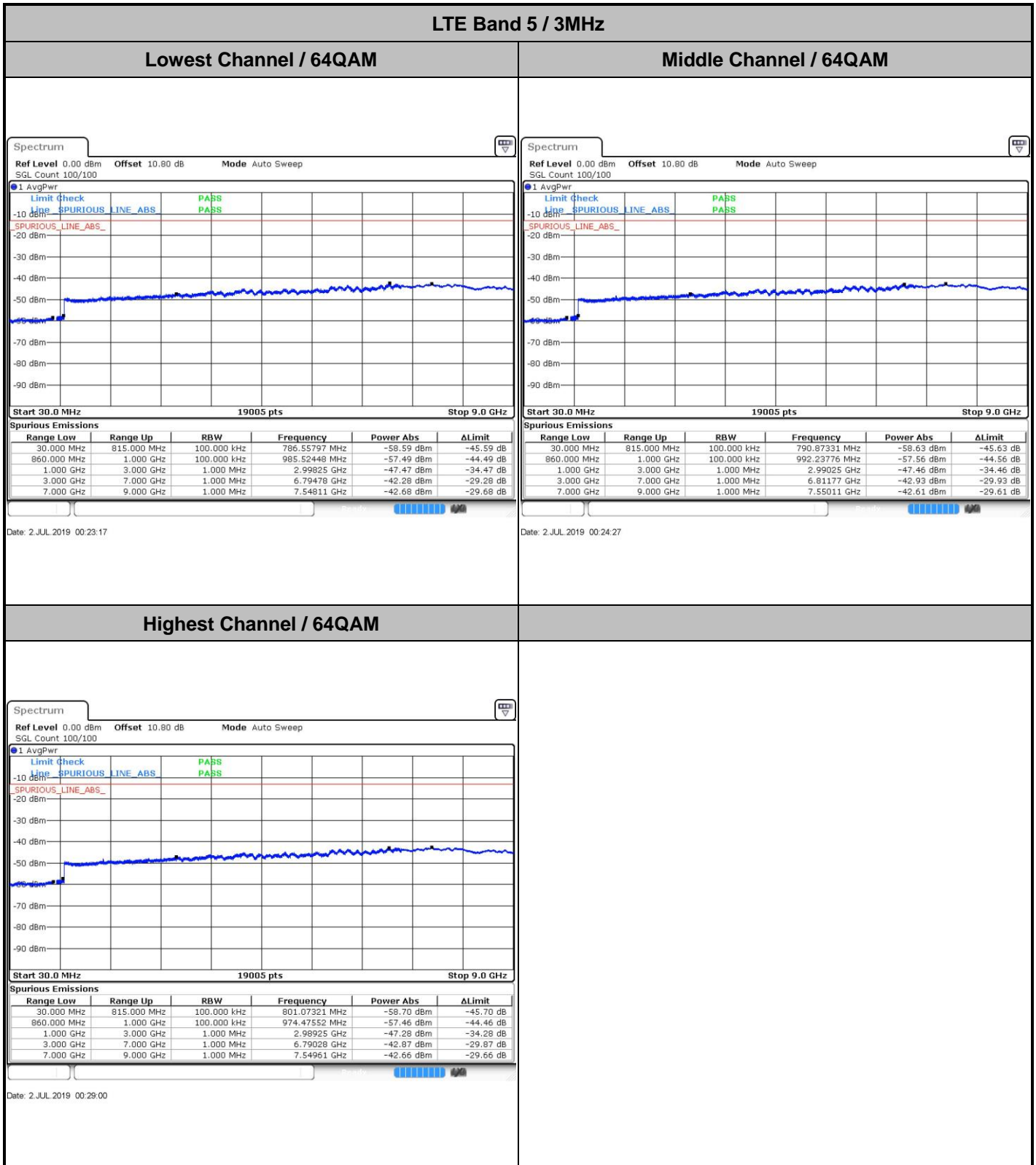


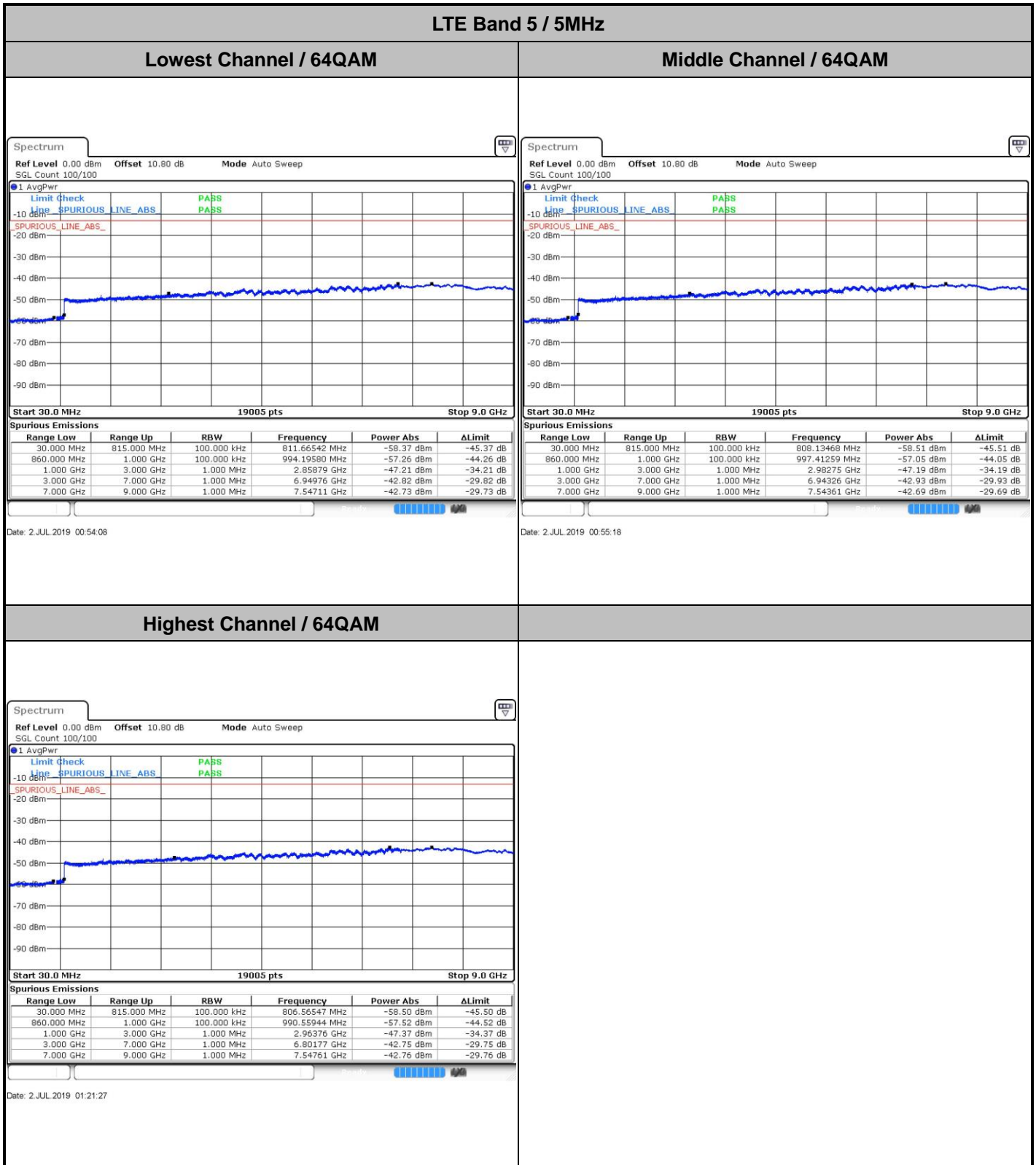
Date: 2 JUL 2019 02:31:27

Highest Channel / 64QAM



Date: 2 JUL 2019 02:36:23



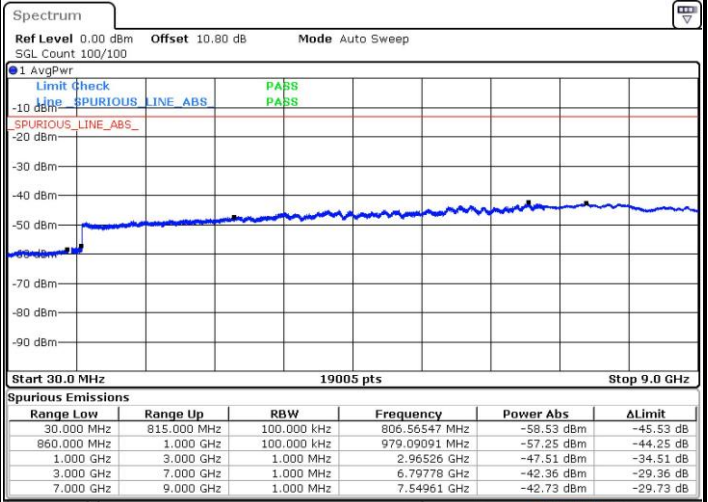
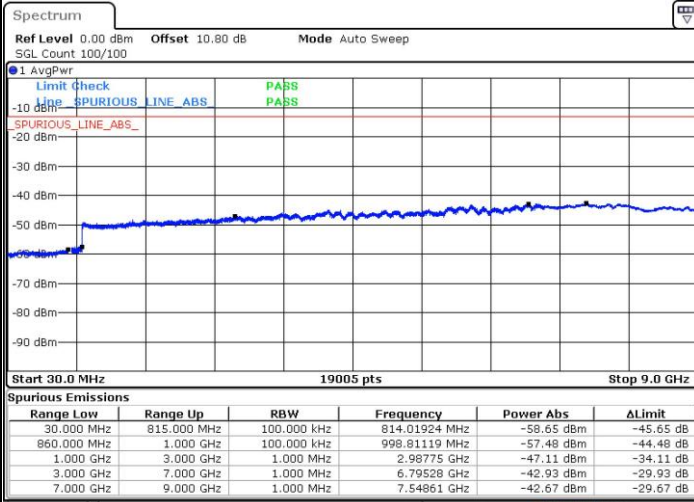




LTE Band 5 / 10MHz

Lowest Channel / 64QAM

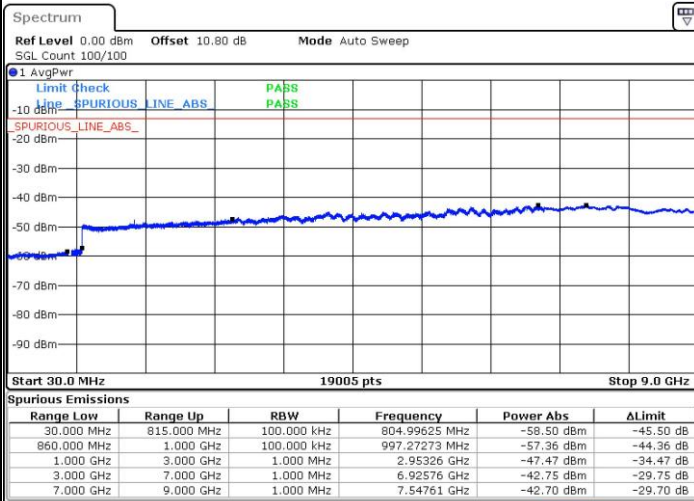
Middle Channel / 64QAM



Date: 2 JUL 2019 01:52:10

Date: 2 JUL 2019 01:53:20

Highest Channel / 64QAM



Date: 2 JUL 2019 01:57:52



Frequency Stability

| Test Conditions | | LTE Band 5 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|------------------------------------|--------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | 2.5ppm |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0013 | PASS |
| 40 | Normal Voltage | 0.0063 | |
| 30 | Normal Voltage | 0.0050 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0002 | |
| 0 | Normal Voltage | 0.0053 | |
| -10 | Normal Voltage | 0.0068 | |
| -20 | Normal Voltage | 0.0047 | |
| -30 | Normal Voltage | 0.0020 | |
| 20 | Maximum Voltage | 0.0045 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0023 | |

Note:

- 1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.65 V. ; Maximum Voltage =4.25V
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

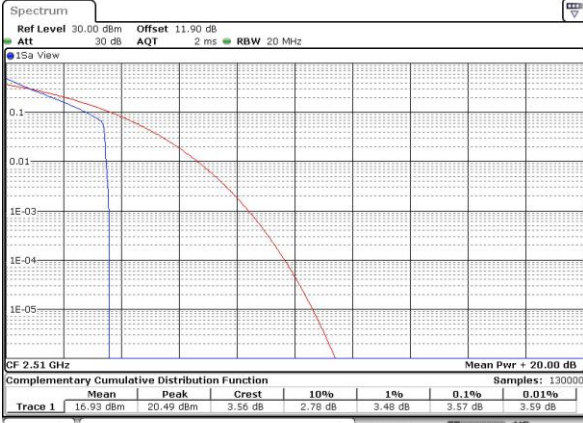
Peak-to-Average Ratio

| Mode | LTE Band 7 / 20MHz | | | | |
|------------|--------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.57 | 4.58 | 3.86 | 5.88 | PASS |
| Middle CH | 3.51 | 4.96 | 4.14 | 5.88 | |
| Highest CH | 3.86 | 4.93 | 4.49 | 5.91 | |
| Mode | LTE Band 7 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 5.10 | 6.38 | - | - | PASS |
| Middle CH | 4.99 | 6.43 | - | - | |
| Highest CH | 5.36 | 6.38 | - | - | |



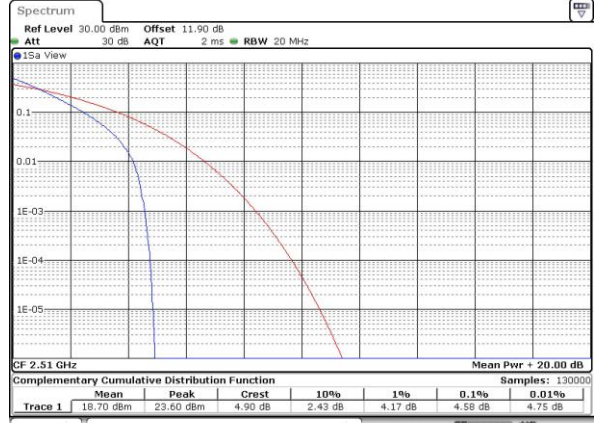
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 1 JUL 2019 18:55:37

Lowest Channel / Full RB



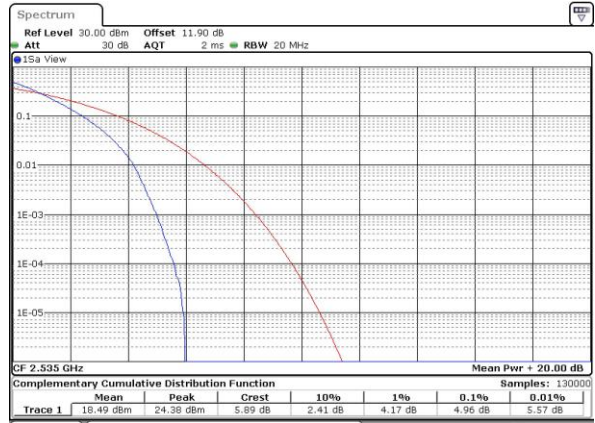
Date: 1 JUL 2019 18:55:48

Middle Channel / 1RB



Date: 1 JUL 2019 18:55:59

Middle Channel / Full RB



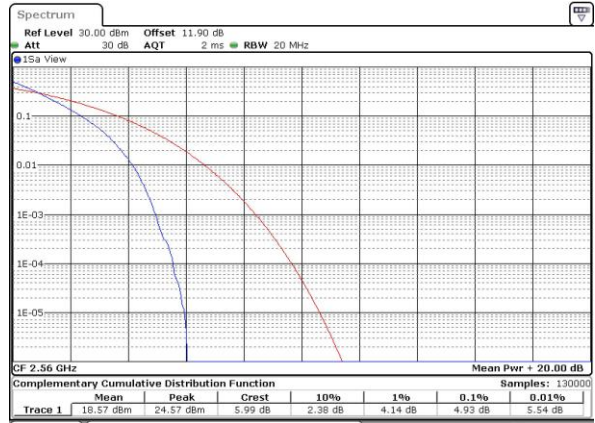
Date: 1 JUL 2019 18:56:10

Highest Channel / 1RB



Date: 1 JUL 2019 18:56:22

Highest Channel / Full RB

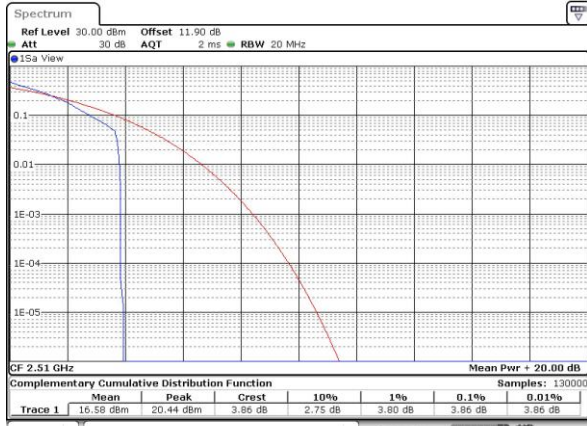


Date: 1 JUL 2019 18:56:33



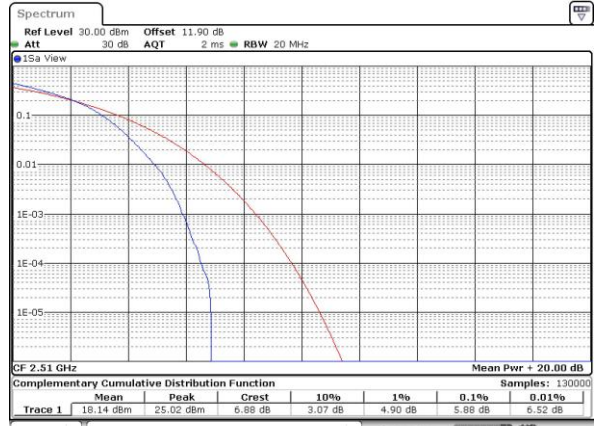
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



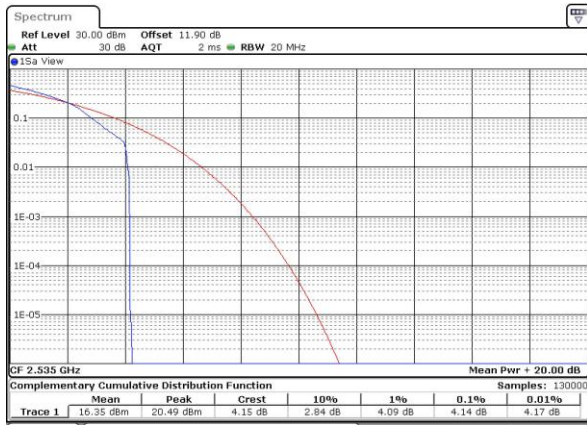
Date: 1 JUL 2019 18:54:33

Lowest Channel / Full RB



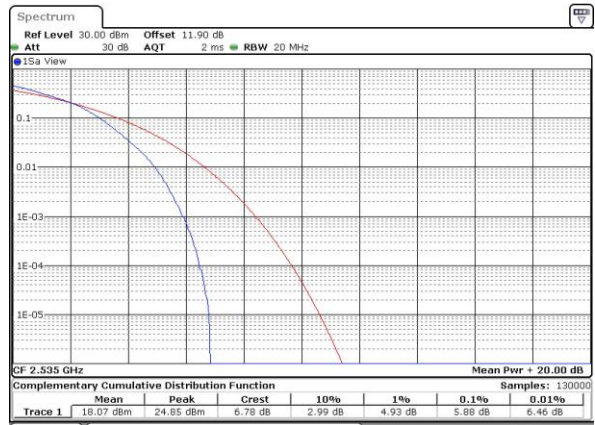
Date: 1 JUL 2019 18:54:44

Middle Channel / 1RB



Date: 1 JUL 2019 18:54:55

Middle Channel / Full RB



Date: 1 JUL 2019 18:55:05

Highest Channel / 1RB



Date: 1 JUL 2019 18:55:15

Highest Channel / Full RB



Date: 1 JUL 2019 18:55:26