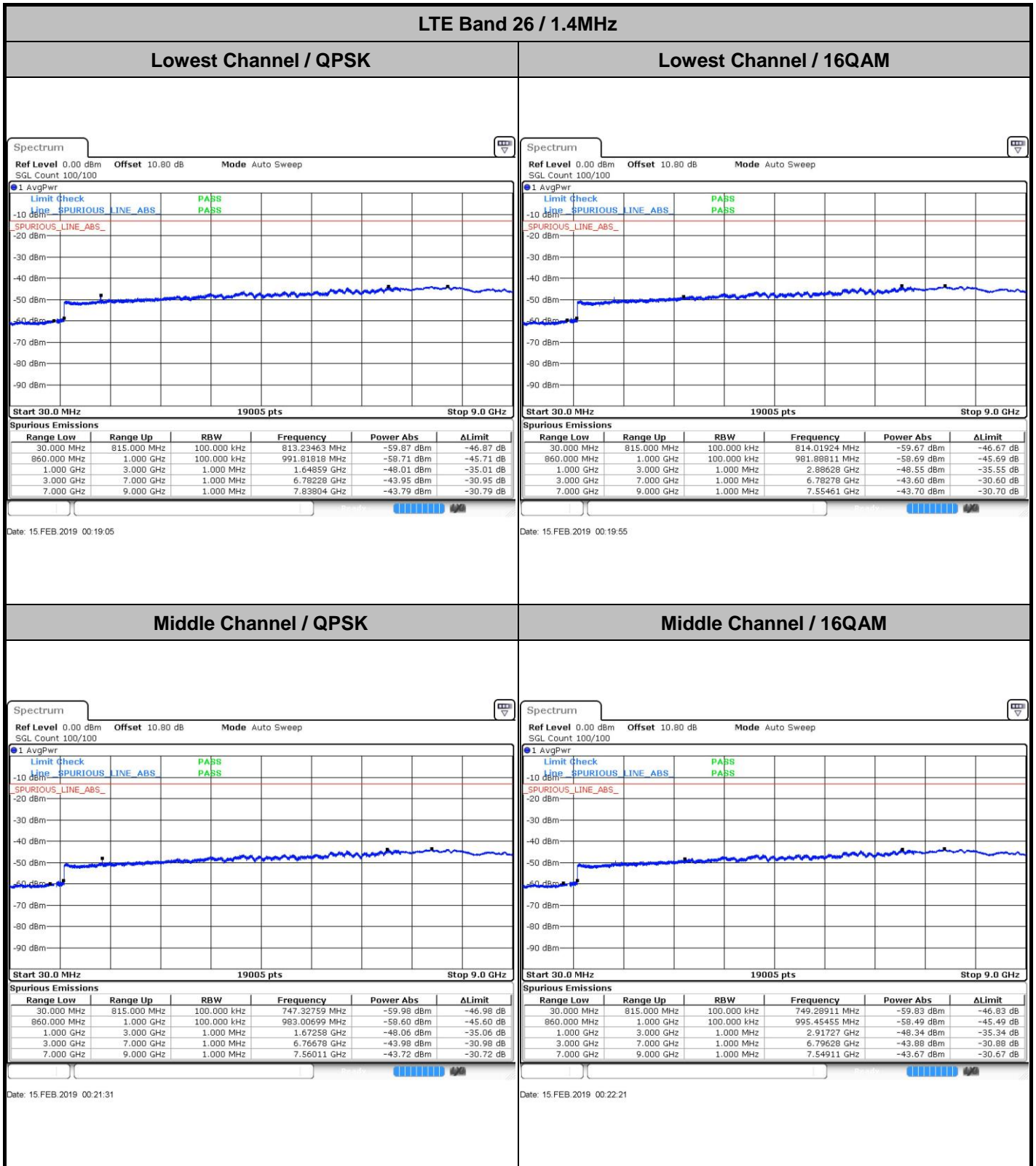




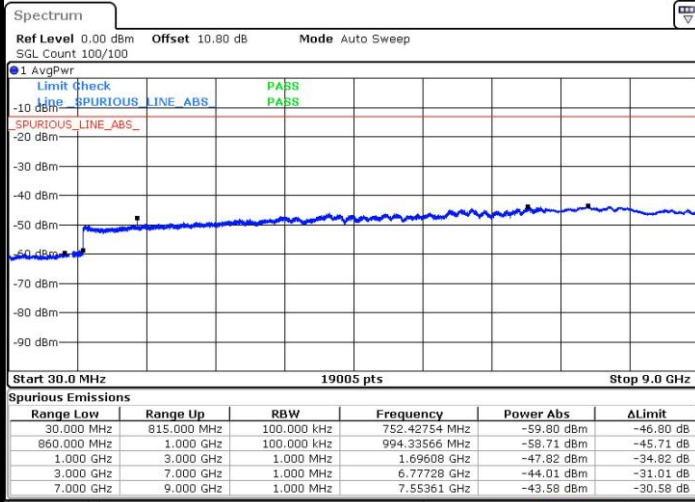
Conducted Spurious Emission





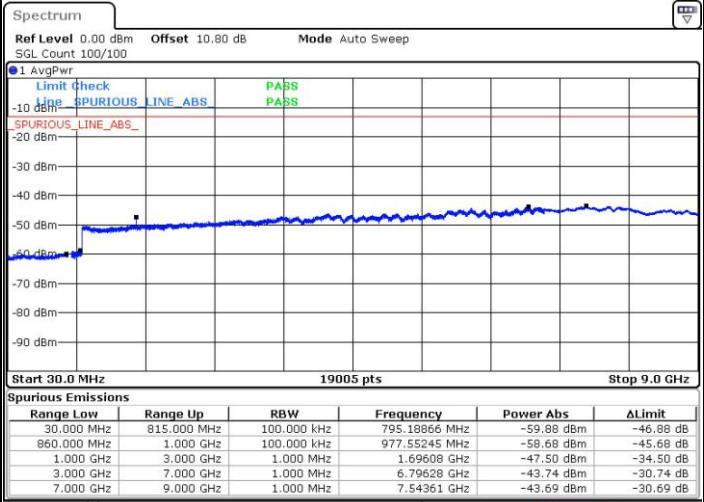
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 15.FEB.2019 00:30:37

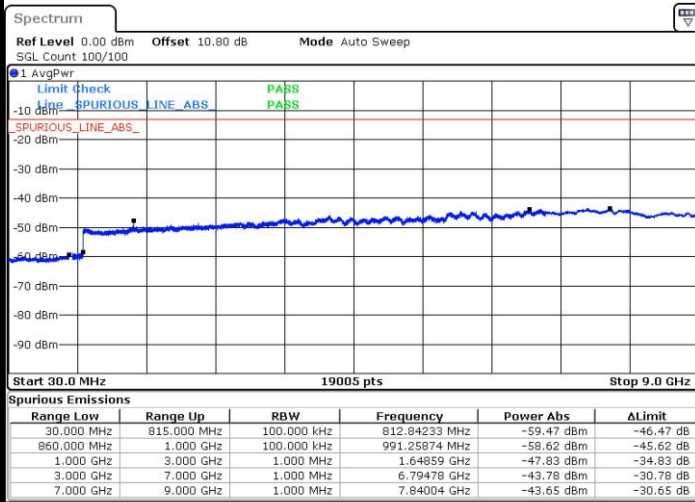
Highest Channel / 16QAM



Date: 15.FEB.2019 00:31:27

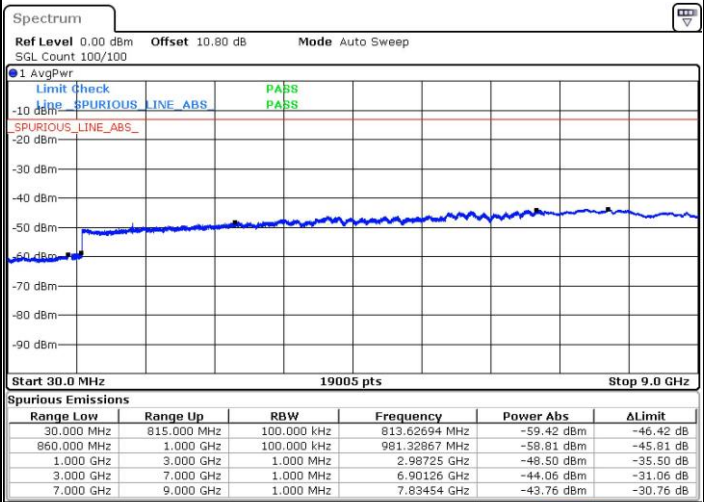
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 15.FEB.2019 14:22:07

Lowest Channel / 16QAM



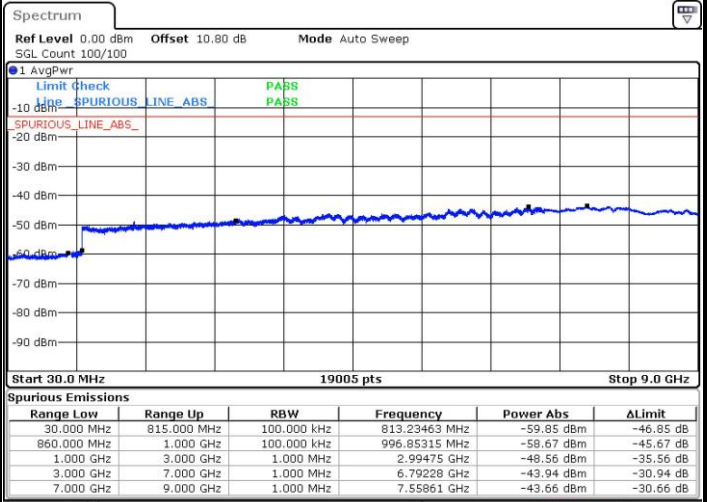
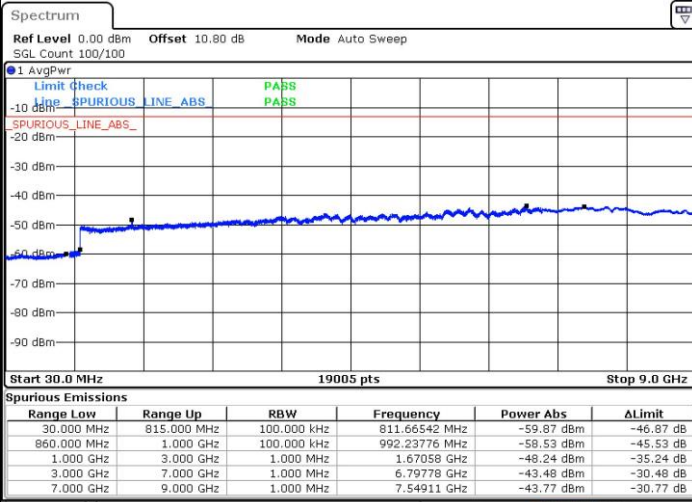
Date: 15.FEB.2019 14:22:47



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

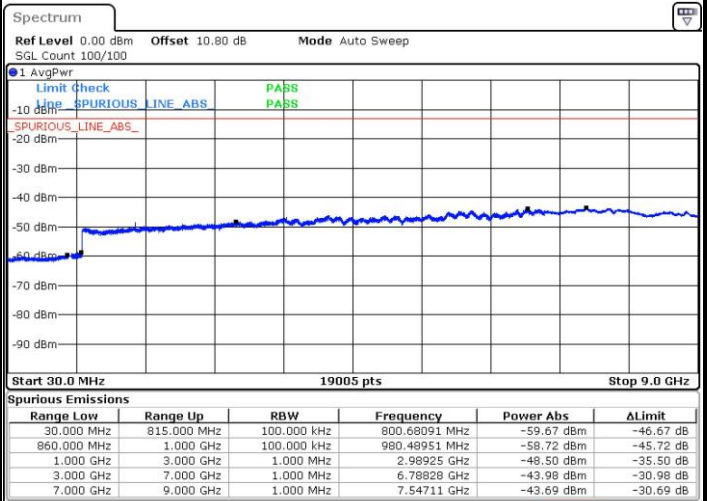
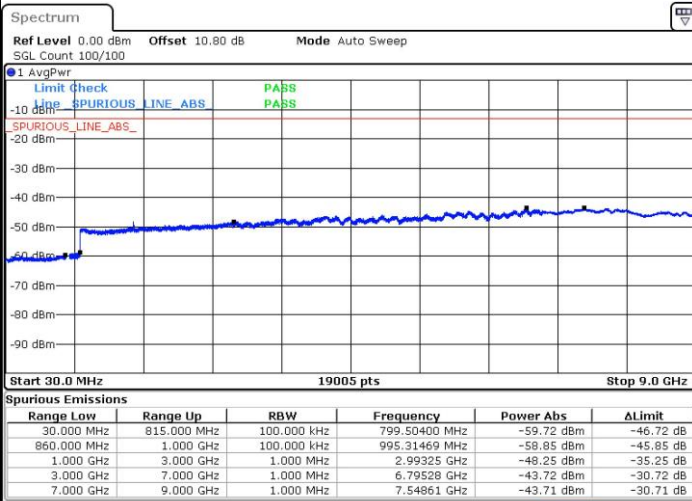


Date: 15.FEB.2019 14:24:13

Date: 15.FEB.2019 14:24:54

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15.FEB.2019 14:30:04

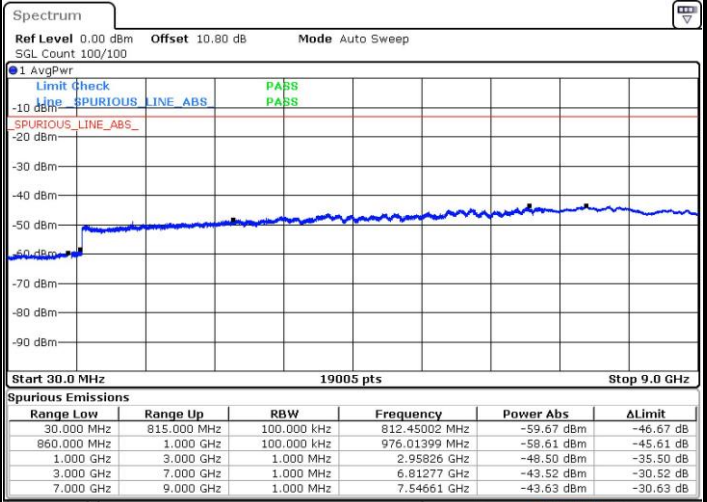
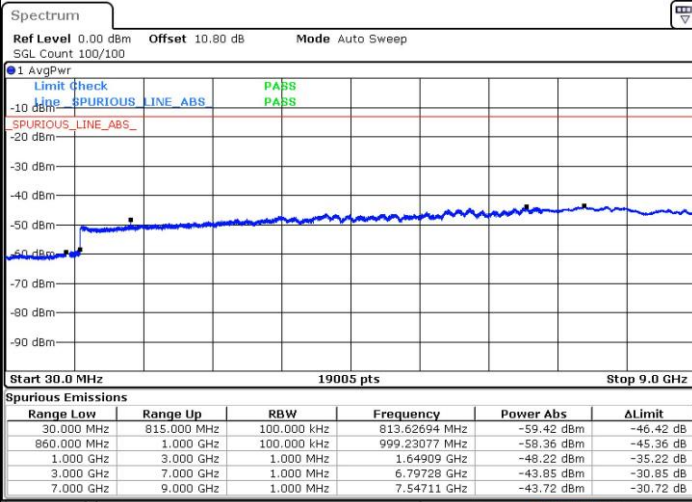
Date: 15.FEB.2019 14:30:44



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

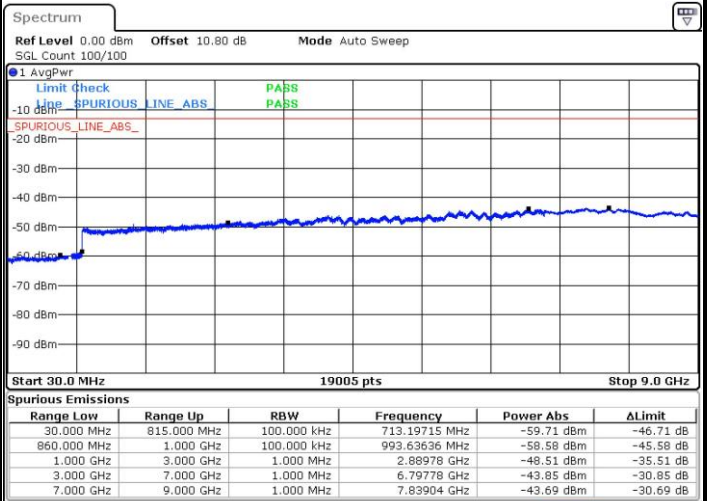
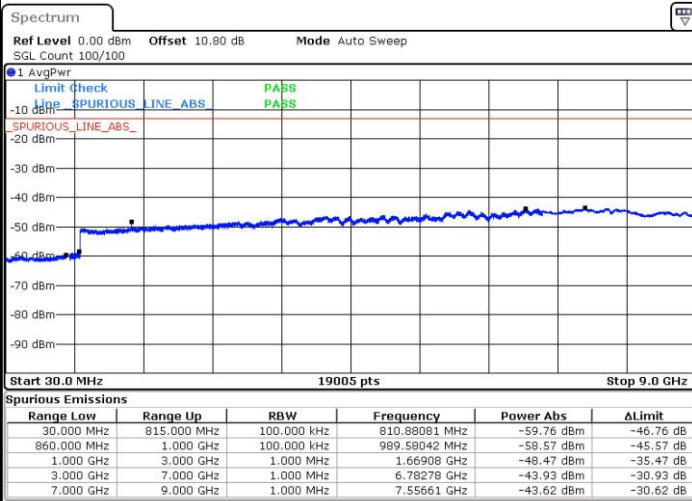


Date: 15.FEB.2019 14:35:30

Date: 15.FEB.2019 14:36:10

Middle Channel / QPSK

Middle Channel / 16QAM

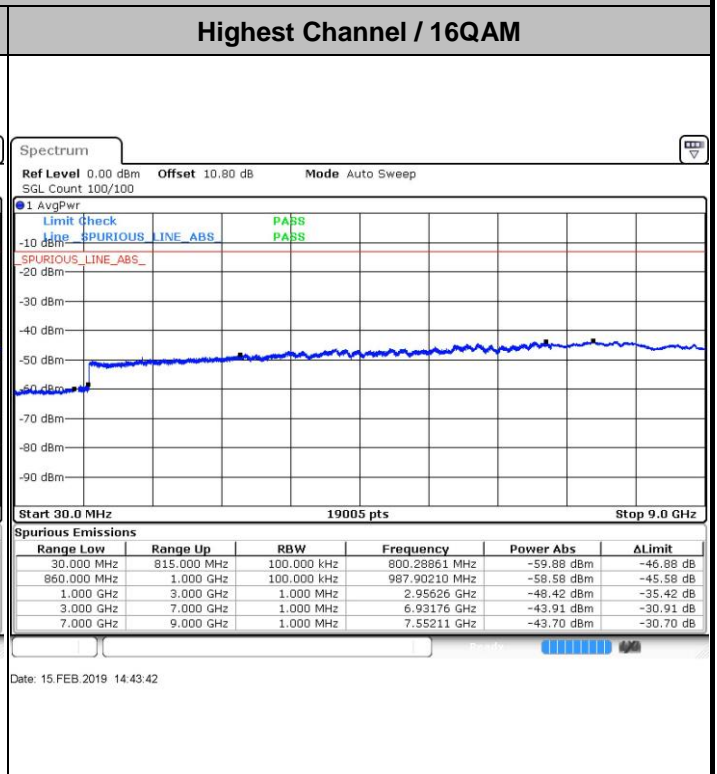
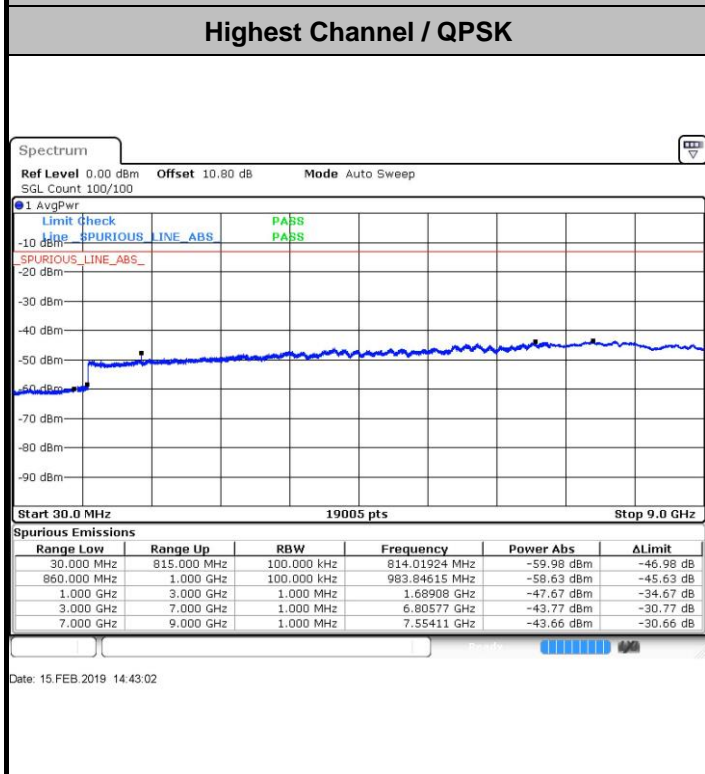


Date: 15.FEB.2019 14:37:36

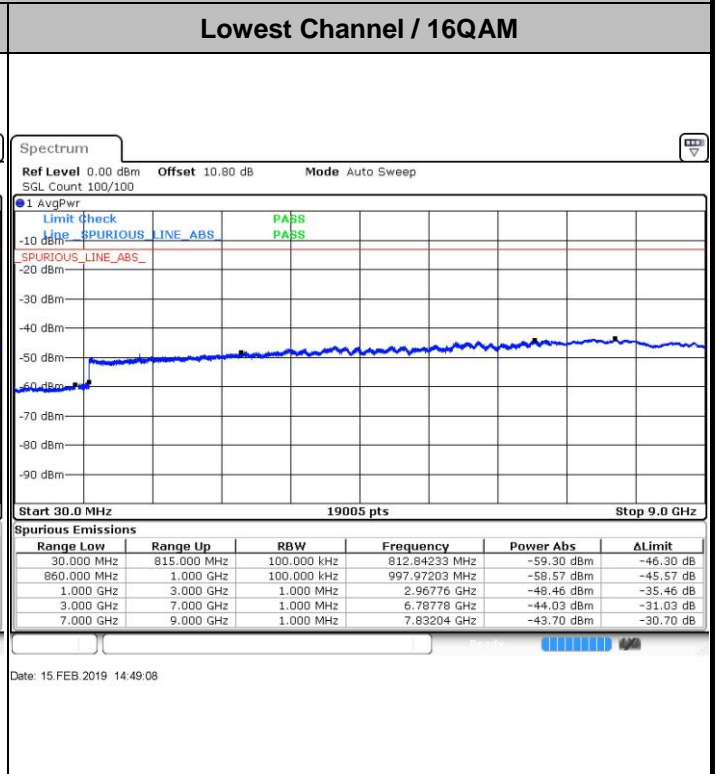
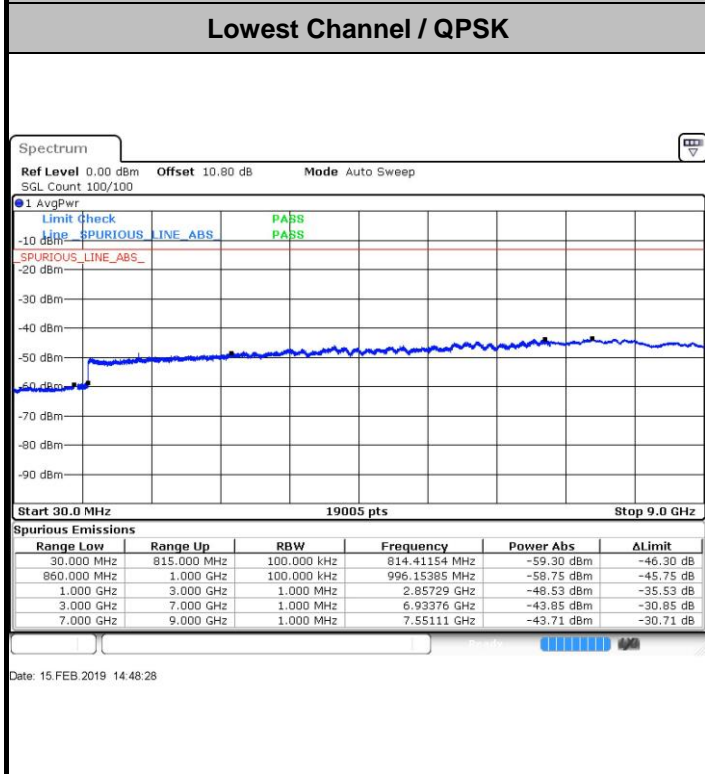
Date: 15.FEB.2019 14:38:16



LTE Band 26 / 5MHz



LTE Band 26 / 10MHz

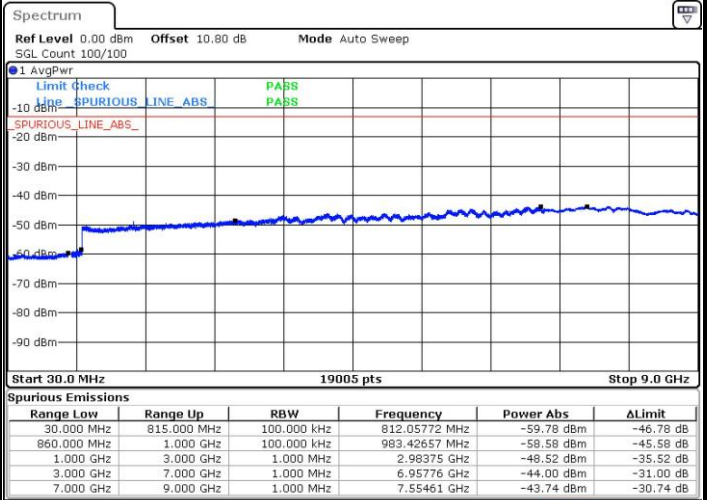
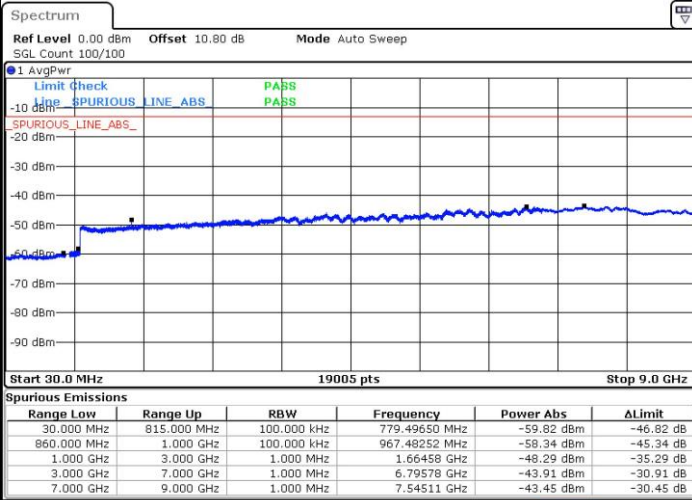




LTE Band 26 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

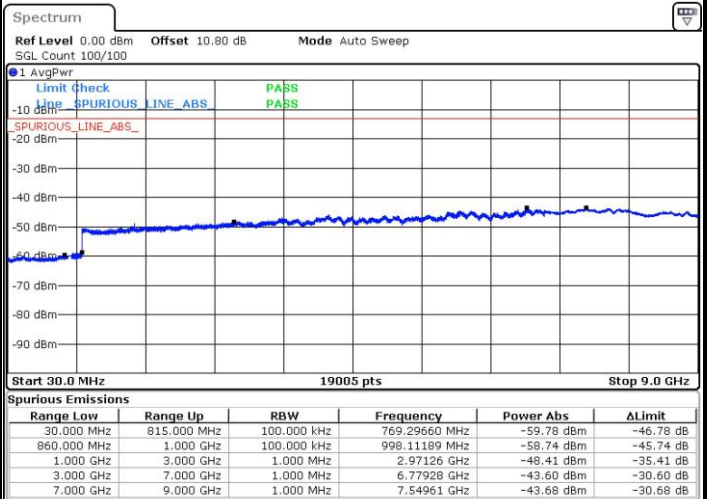
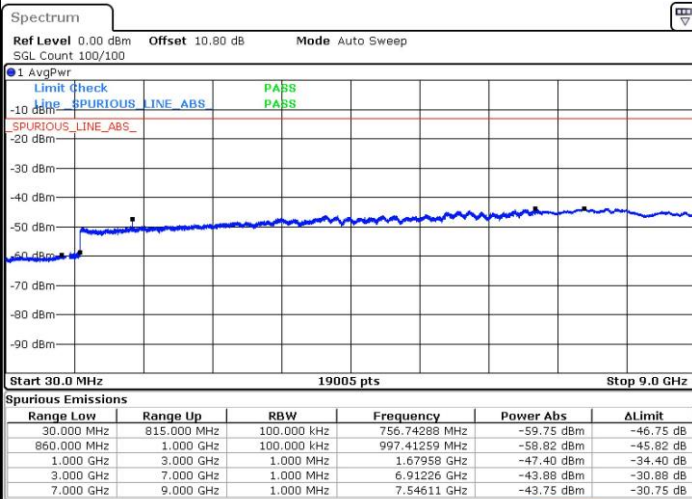


Date: 15.FEB.2019 14:50:34

Date: 15.FEB.2019 14:51:14

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15.FEB.2019 14:56:00

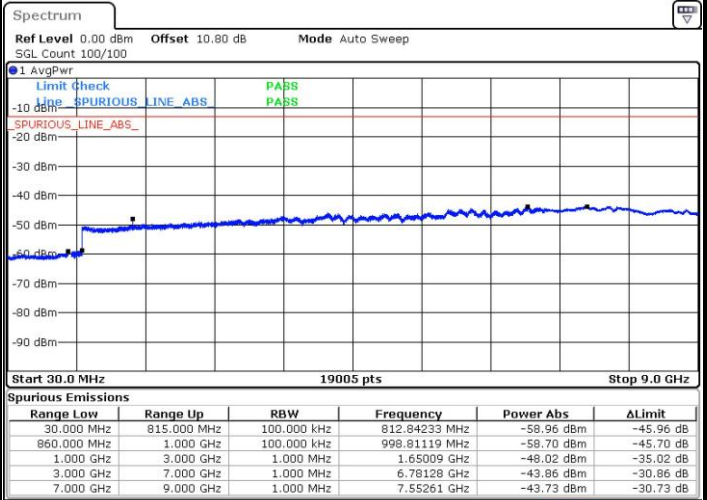
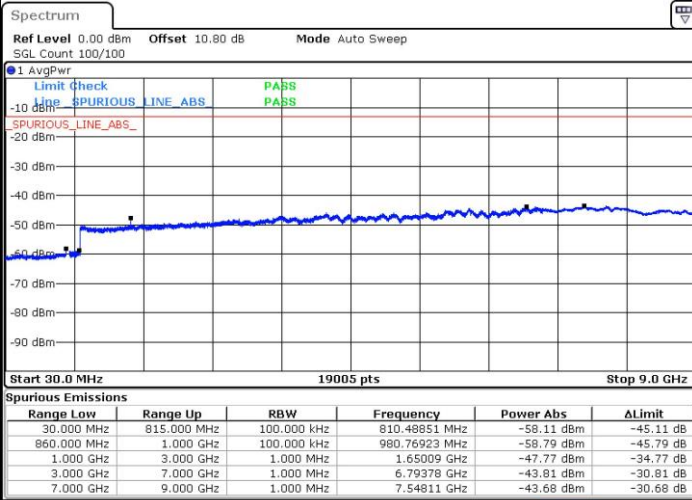
Date: 15.FEB.2019 14:56:40



LTE Band 26 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

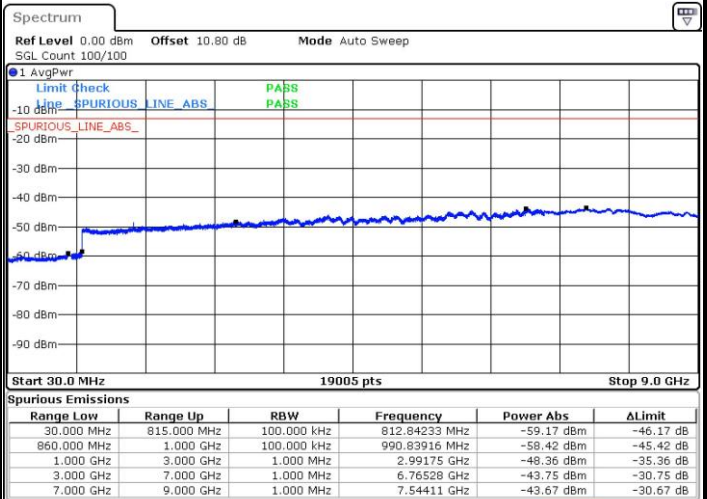
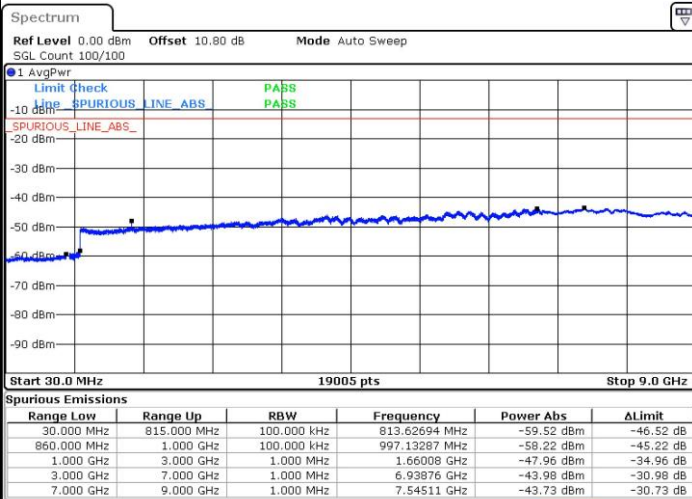


Date: 15.FEB.2019 15:01:26

Date: 15.FEB.2019 15:02:06

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 15.FEB.2019 15:03:32

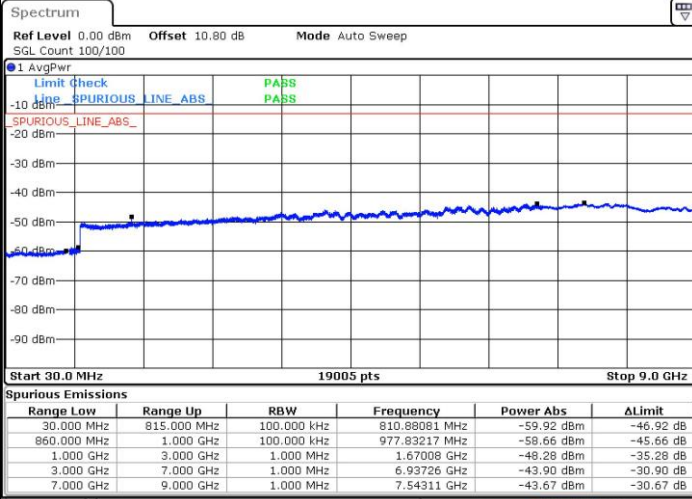
Date: 15.FEB.2019 15:04:12



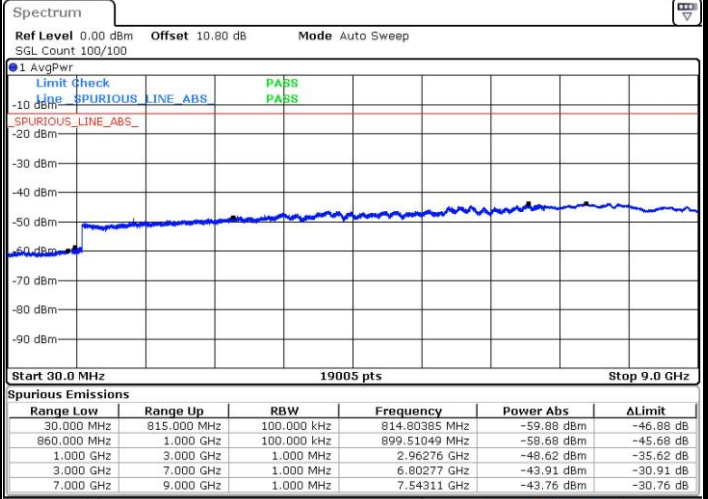
LTE Band 26 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15.FEB.2019 15:08:59



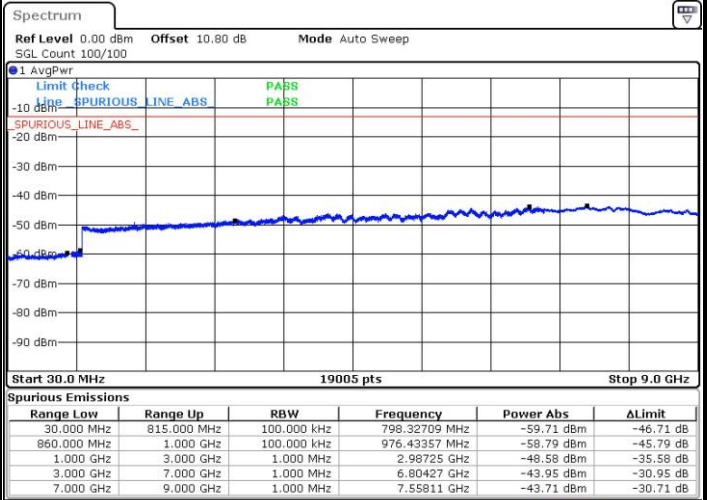
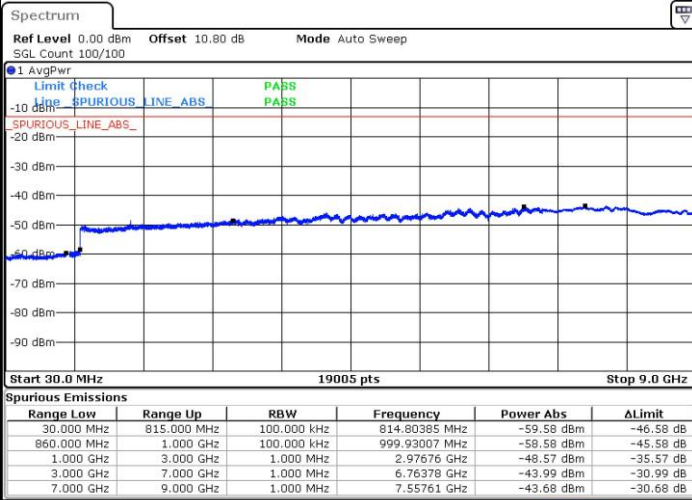
Date: 15.FEB.2019 15:09:39



LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

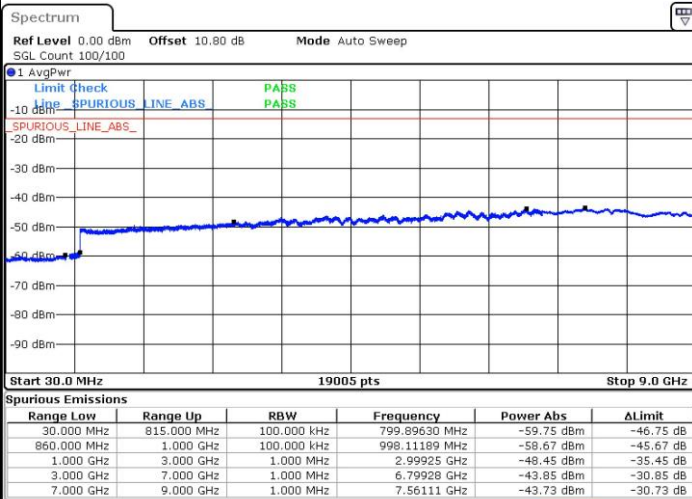
Middle Channel / 64QAM



Date: 15.FEB.2019 00:36:01

Date: 15.FEB.2019 00:37:14

Highest Channel / 64QAM



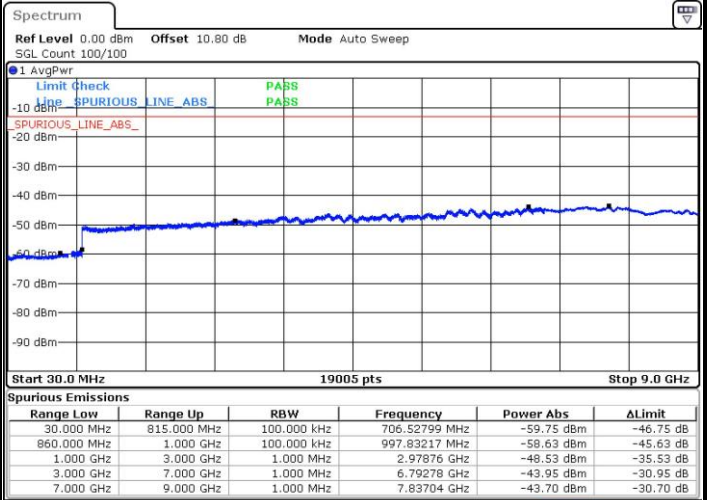
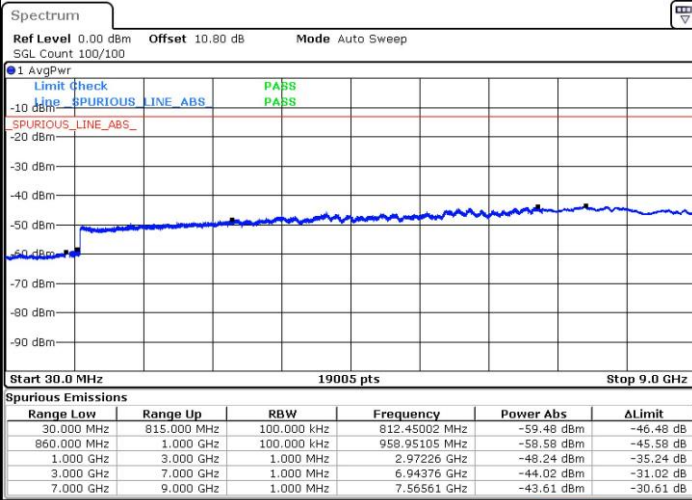
Date: 15.FEB.2019 00:41:47



LTE Band 26 / 3MHz

Lowest Channel / 64QAM

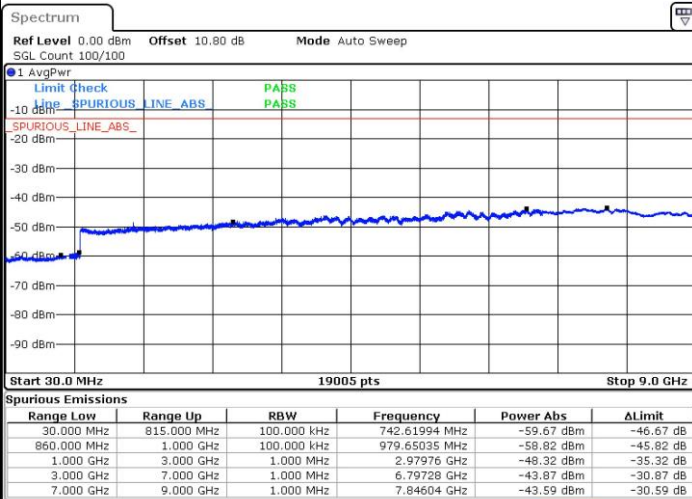
Middle Channel / 64QAM



Date: 15.FEB.2019 13:53:47

Date: 15.FEB.2019 13:54:50

Highest Channel / 64QAM



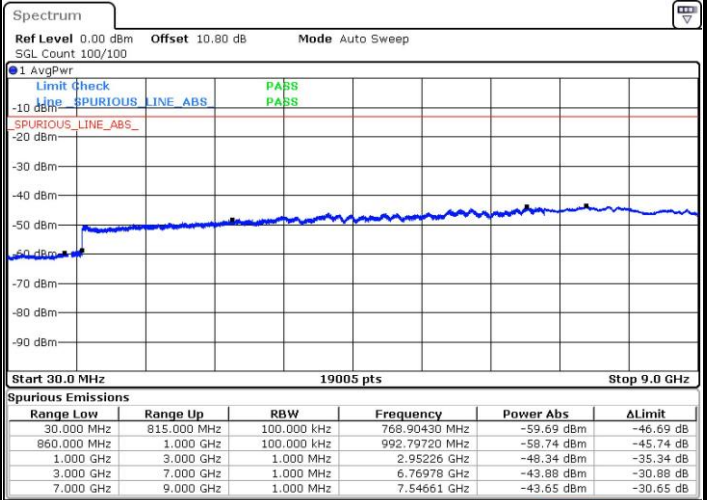
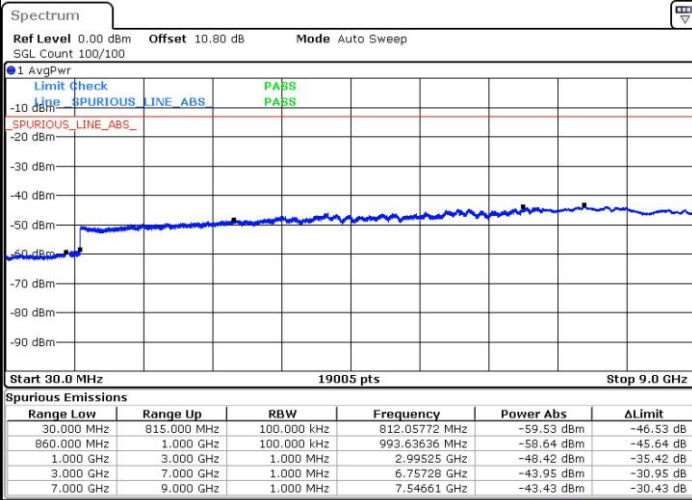
Date: 15.FEB.2019 13:57:46



LTE Band 26 / 5MHz

Lowest Channel / 64QAM

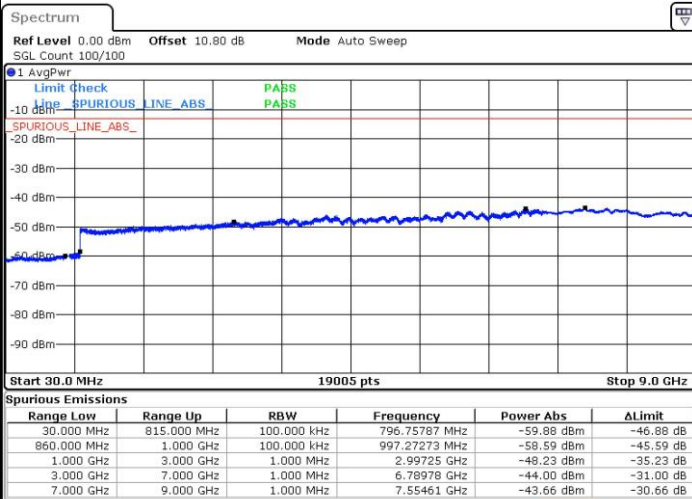
Middle Channel / 64QAM



Date: 15.FEB.2019 14:00:29

Date: 15.FEB.2019 14:01:32

Highest Channel / 64QAM



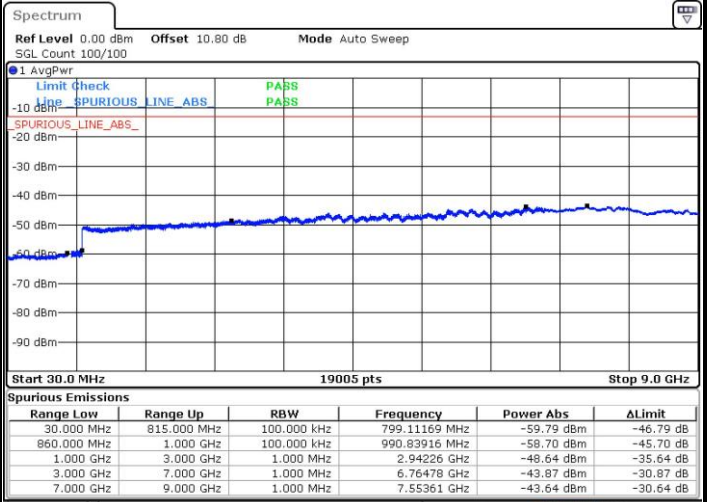
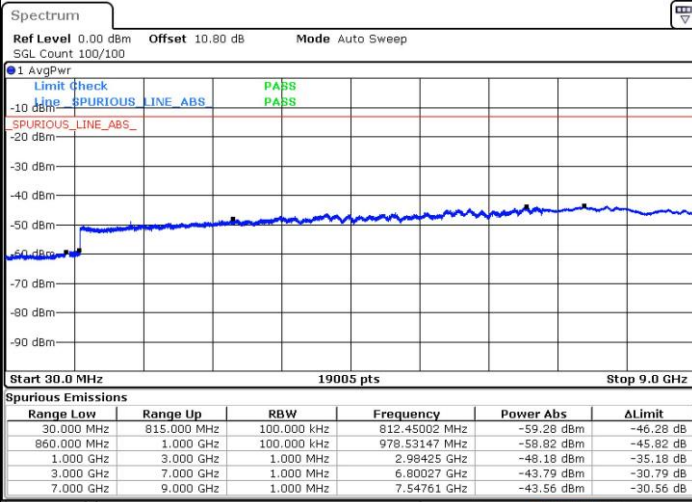
Date: 15.FEB.2019 14:04:15



LTE Band 26 / 10MHz

Lowest Channel / 64QAM

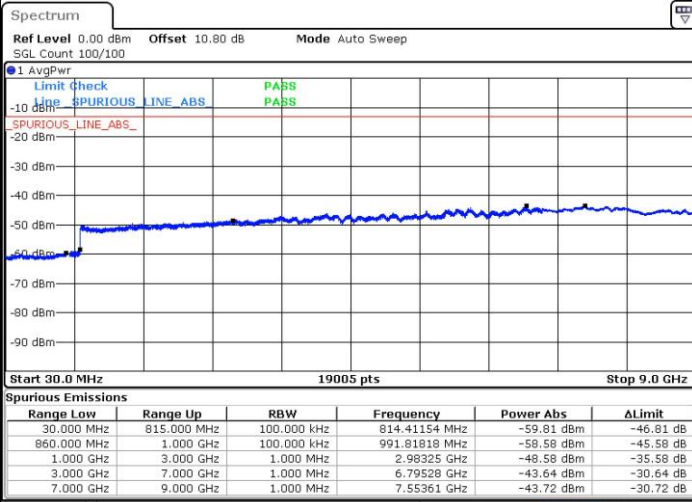
Middle Channel / 64QAM



Date: 15.FEB.2019 14:06:58

Date: 15.FEB.2019 14:08:01

Highest Channel / 64QAM



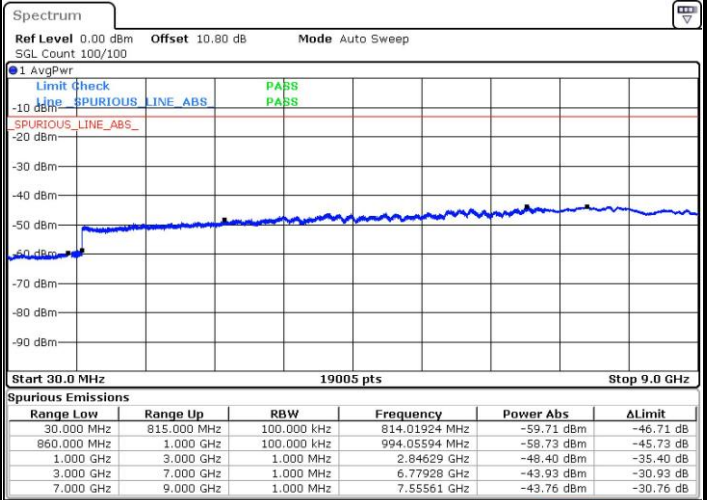
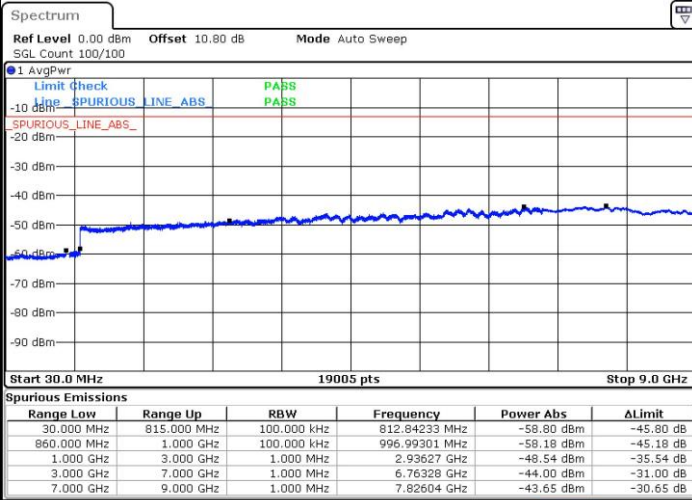
Date: 15.FEB.2019 14:10:44



LTE Band 26 / 15MHz

Lowest Channel / 64QAM

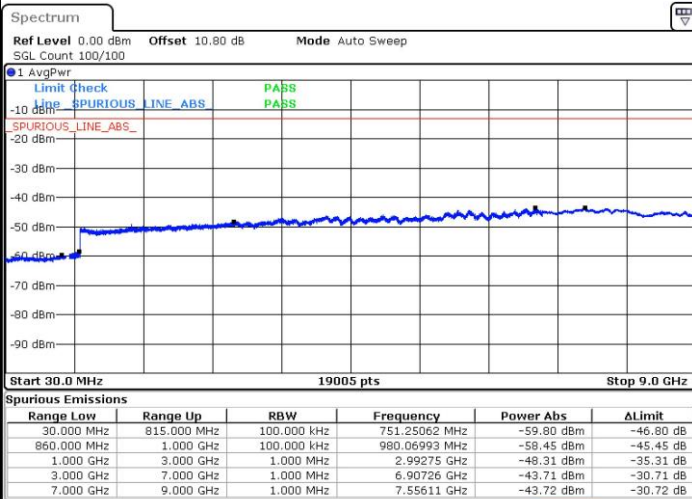
Middle Channel / 64QAM



Date: 15.FEB.2019 15:12:22

Date: 15.FEB.2019 15:13:25

Highest Channel / 64QAM



Date: 15.FEB.2019 14:17:14



Frequency Stability

| Test Conditions | | LTE Band 26 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0001 | PASS |
| 40 | Normal Voltage | 0.0004 | |
| 30 | Normal Voltage | 0.0006 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0079 | |
| 0 | Normal Voltage | 0.0085 | |
| -10 | Normal Voltage | 0.0072 | |
| -20 | Normal Voltage | 0.0071 | |
| -30 | Normal Voltage | 0.0065 | |
| 20 | Maximum Voltage | 0.0017 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0020 | |

Note:

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



LTE Band 41

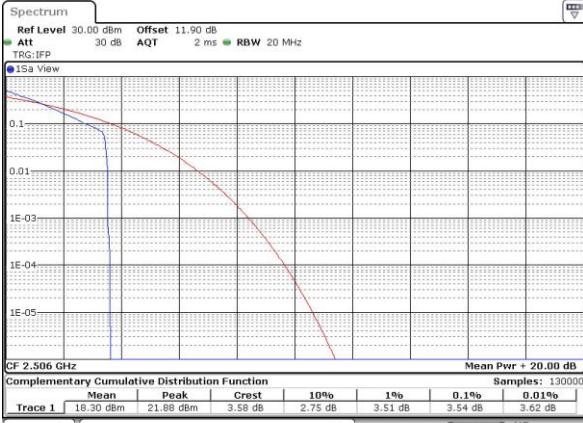
Peak-to-Average Ratio

| Mode | LTE Band 41 / 20MHz | | | | |
|------------|---------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.54 | 4.61 | 4.52 | 5.65 | PASS |
| Middle CH | 3.48 | 4.61 | 4.52 | 5.62 | |
| Highest CH | 3.71 | 4.58 | 4.67 | 5.59 | |
| Mode | LTE Band 41 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 5.22 | 6.17 | - | - | PASS |
| Middle CH | 5.51 | 6.26 | - | - | |
| Highest CH | 5.68 | 6.29 | - | - | |



LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



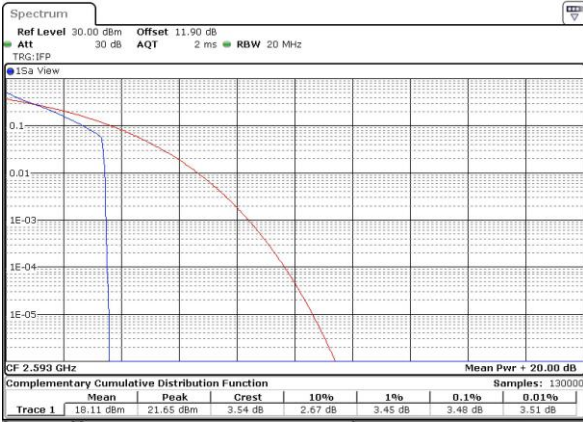
Date: 15 FEB 2019 23:56:41

Lowest Channel / Full RB



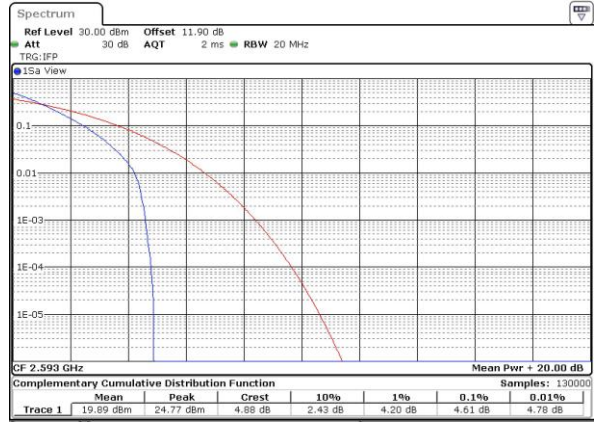
Date: 15 FEB 2019 23:56:56

Middle Channel / 1RB



Date: 15 FEB 2019 23:57:13

Middle Channel / Full RB



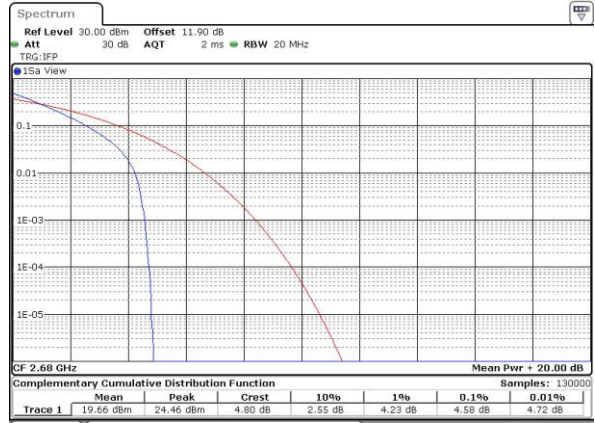
Date: 15 FEB 2019 23:57:30

Highest Channel / 1RB



Date: 15 FEB 2019 23:58:03

Highest Channel / Full RB

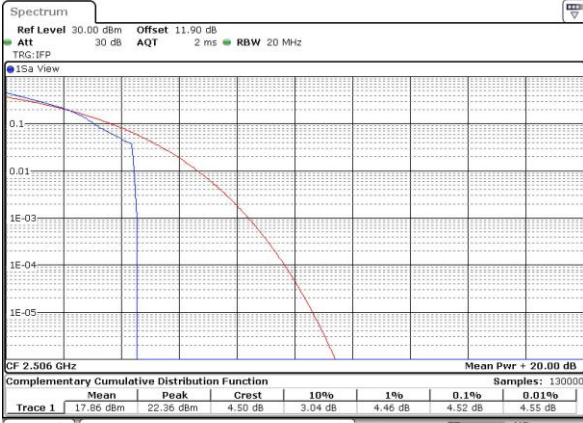


Date: 15 FEB 2019 23:58:18



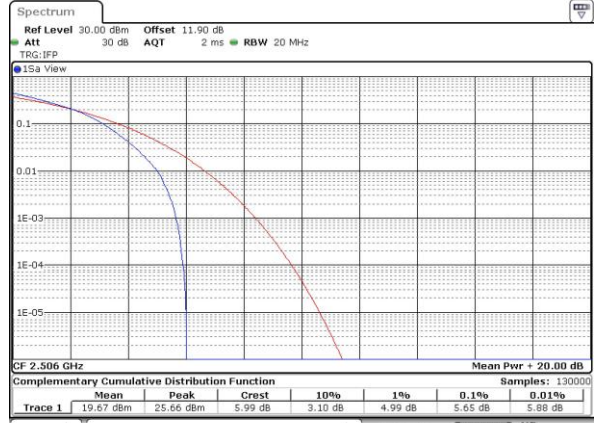
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



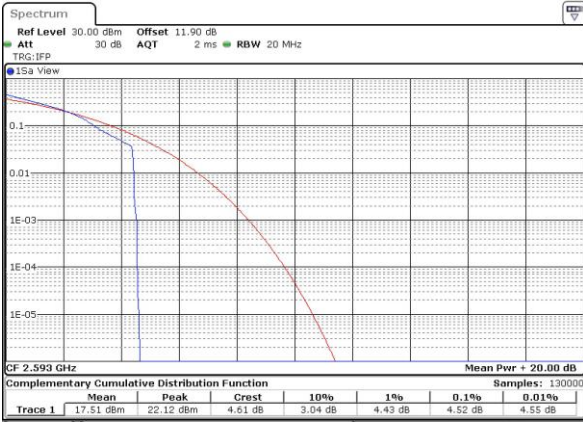
Date: 15 FEB 2019 23:55:04

Lowest Channel / Full RB



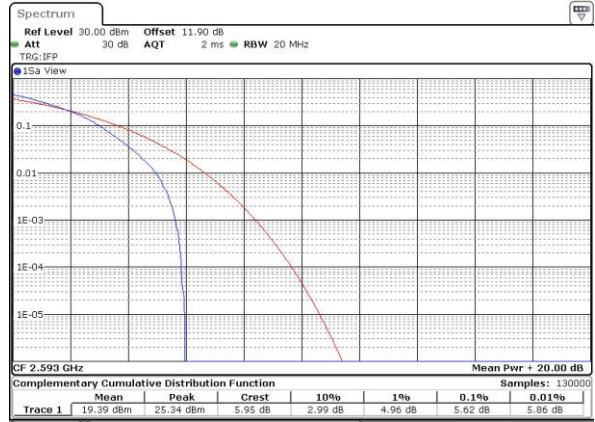
Date: 15 FEB 2019 23:58:51

Middle Channel / 1RB



Date: 15 FEB 2019 23:55:41

Middle Channel / Full RB



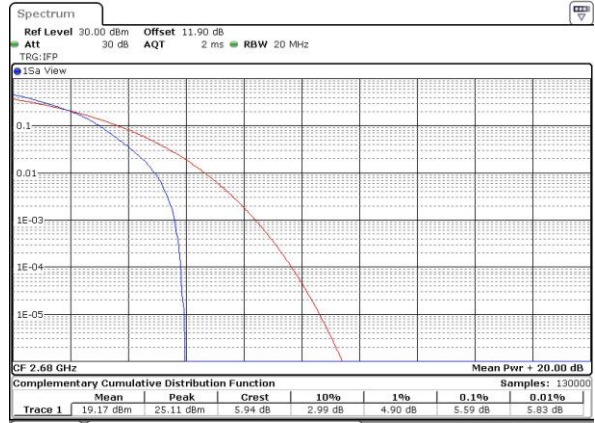
Date: 15 FEB 2019 23:55:55

Highest Channel / 1RB



Date: 15 FEB 2019 23:56:10

Highest Channel / Full RB

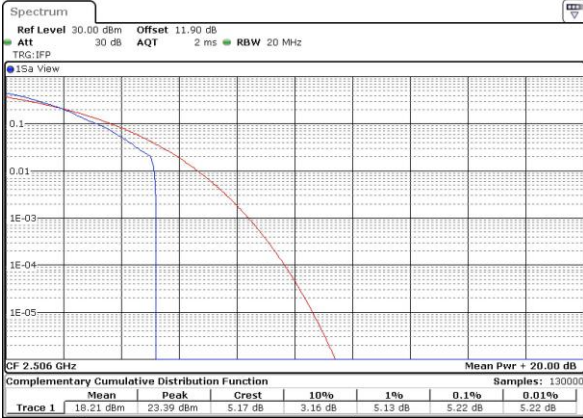


Date: 15 FEB 2019 23:56:25



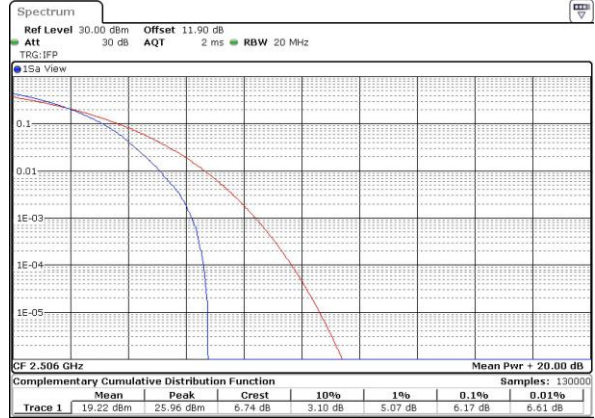
LTE Band 41 / 20MHz / 64QAM

Lowest Channel / 1RB



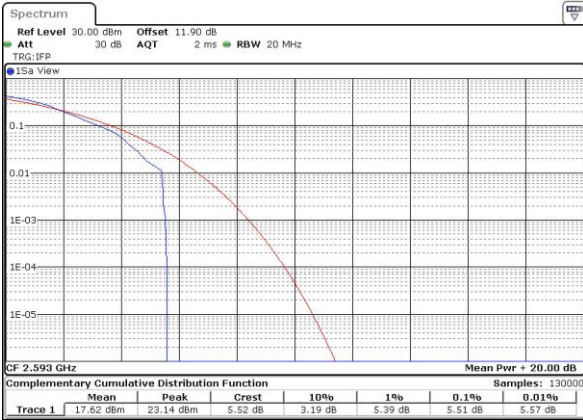
Date: 15 FEB 2019 23:53:32

Lowest Channel / Full RB



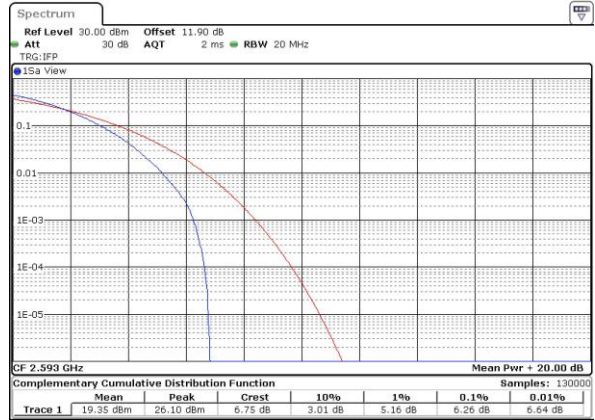
Date: 15 FEB 2019 23:53:47

Middle Channel / 1RB



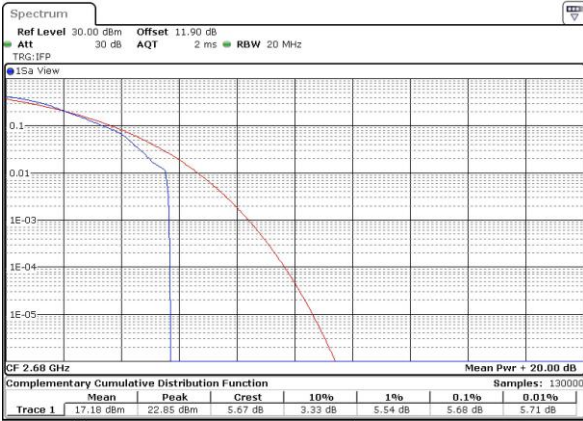
Date: 15 FEB 2019 23:54:05

Middle Channel / Full RB



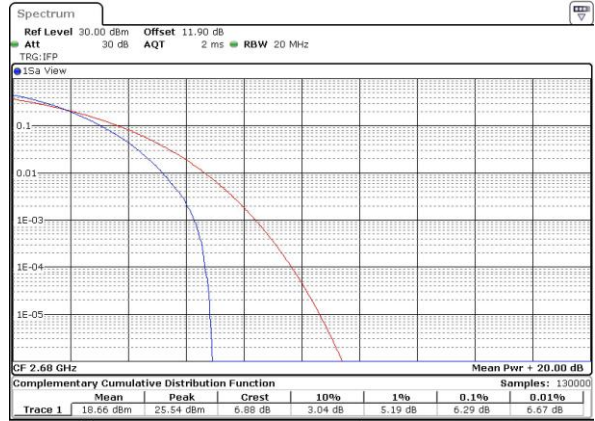
Date: 15 FEB 2019 23:54:20

Highest Channel / 1RB



Date: 15 FEB 2019 23:54:35

Highest Channel / Full RB



Date: 15 FEB 2019 23:54:49



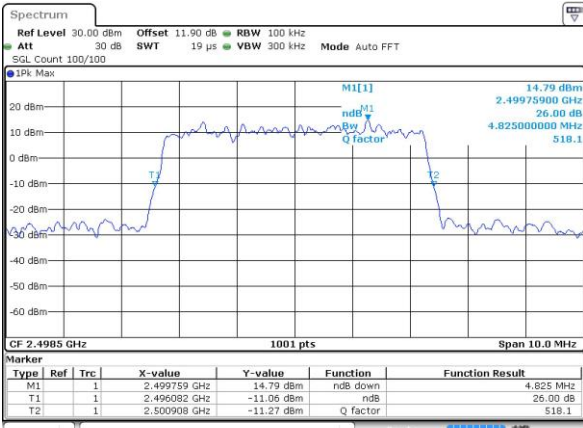
26dB Bandwidth

| Mode | LTE Band 41 : 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 | - | - | - | - | 4.83 | 4.78 | 9.67 | 9.65 | 14.33 | 14.30 | 20.10 | 20.06 |
| Middle CH | - | - | - | - | 4.85 | 4.79 | 9.77 | 9.81 | 14.33 | 14.12 | 20.10 | 19.94 |
| Highest CH | - | - | - | - | 4.83 | 4.92 | 9.61 | 9.63 | 14.21 | 14.51 | 20.10 | 20.18 |
| Mode | LTE Band 41 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | - | - | - | - | 4.78 | - | 9.63 | - | 14.42 | - | 20.02 | - |
| Middle CH | - | - | - | - | 4.77 | - | 9.73 | - | 14.09 | - | 20.18 | - |
| Highest CH | - | - | - | - | 4.82 | - | 10.05 | - | 14.30 | - | 20.50 | - |



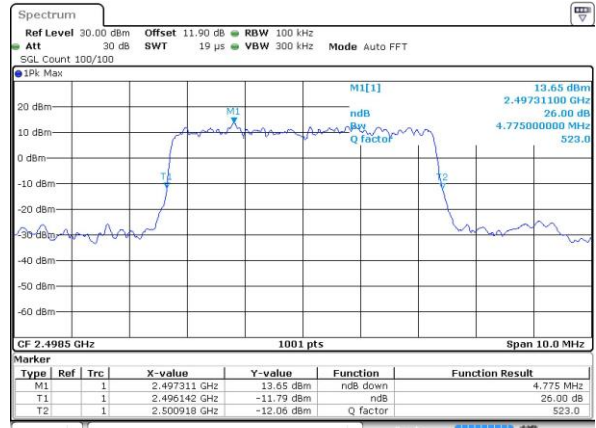
LTE Band 41

Lowest Channel / 5MHz / QPSK



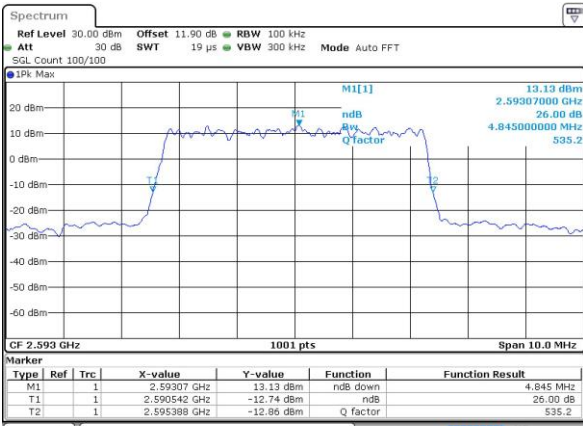
Date: 15 FEB 2019 23:39:49

Lowest Channel / 5MHz / 16QAM



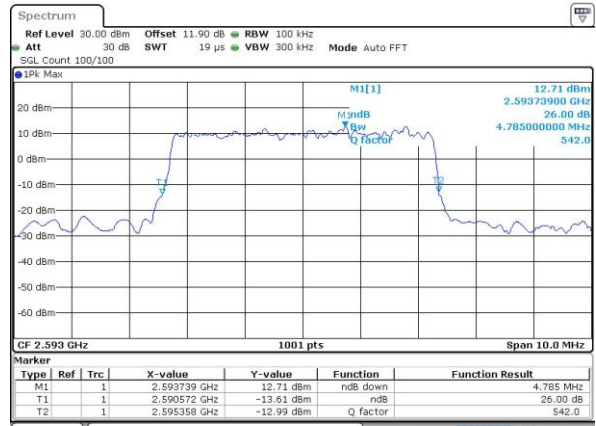
Date: 15 FEB 2019 23:40:00

Middle Channel / 5MHz / QPSK



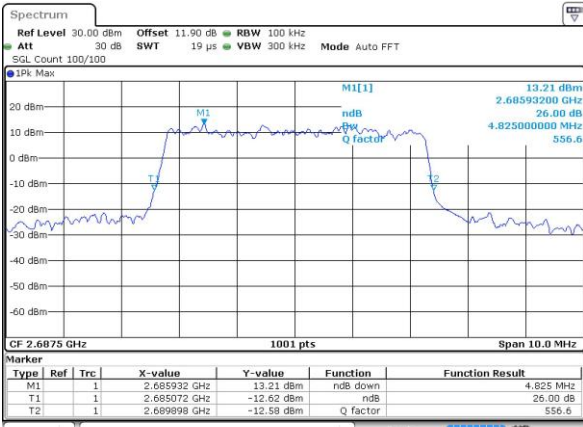
Date: 15 FEB 2019 23:40:35

Middle Channel / 5MHz / 16QAM



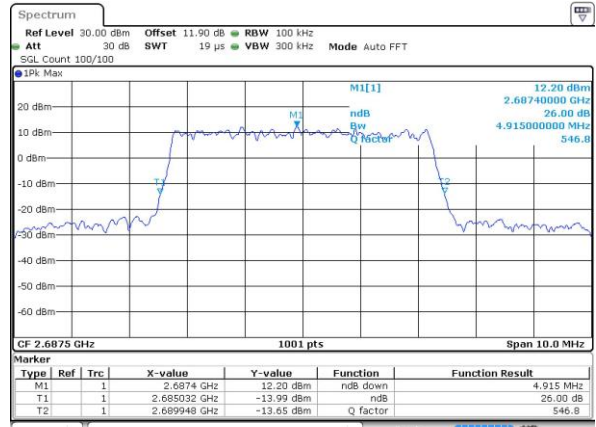
Date: 15 FEB 2019 23:40:46

Highest Channel / 5MHz / QPSK



Date: 15 FEB 2019 23:41:20

Highest Channel / 5MHz / 16QAM



Date: 15 FEB 2019 23:41:32