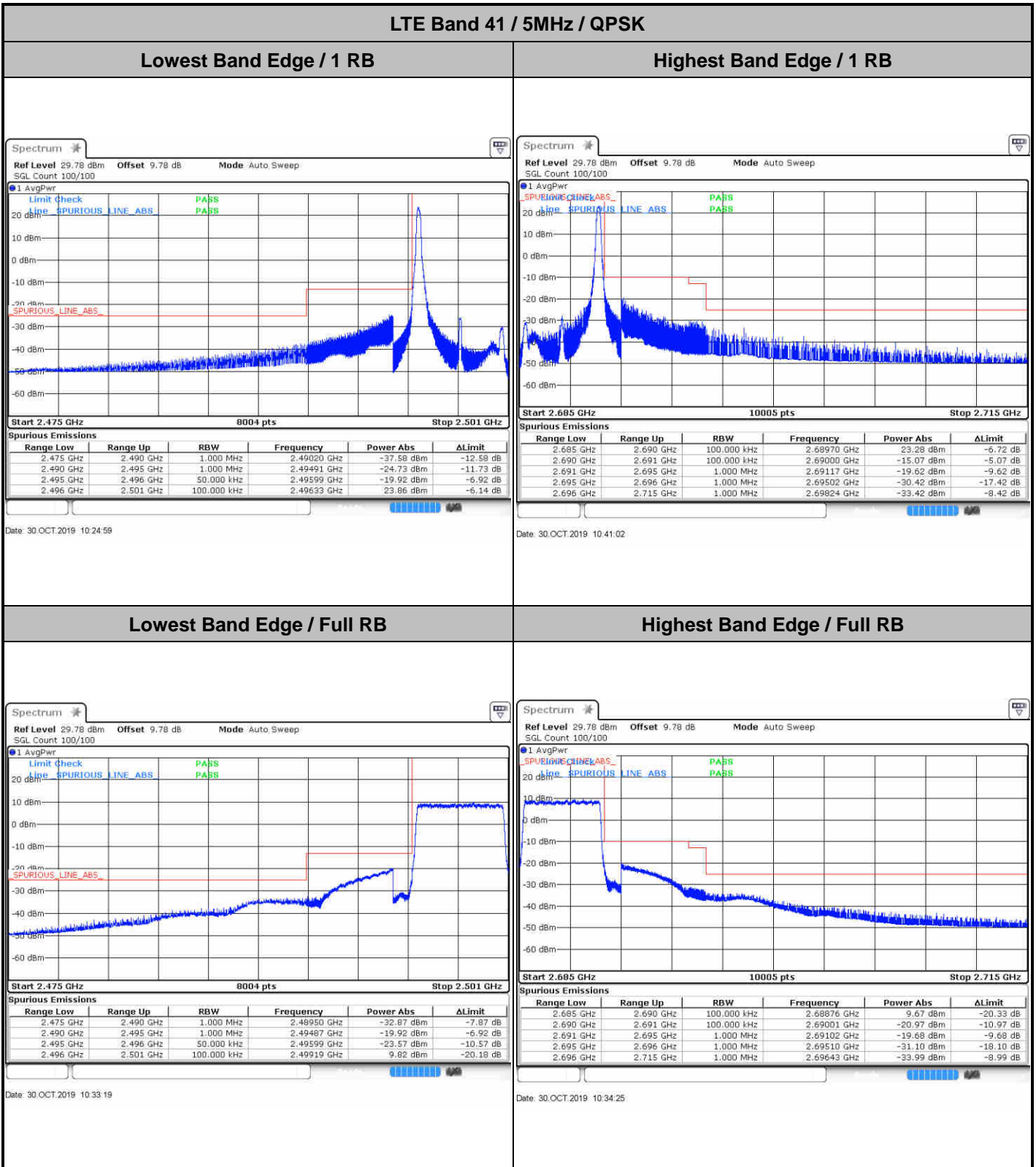




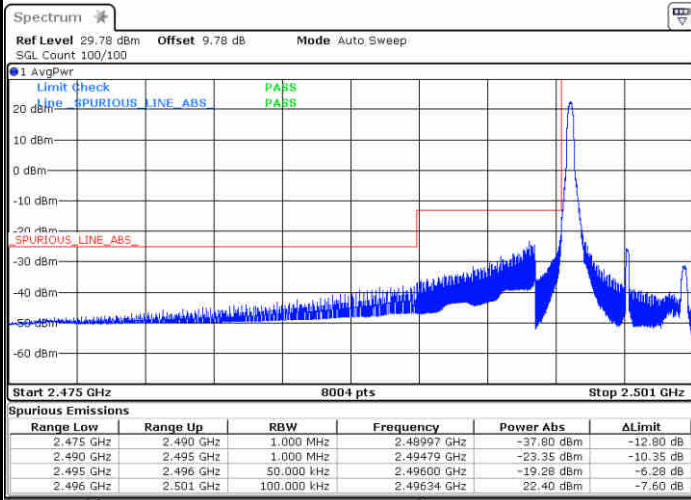
Conducted Band Edge





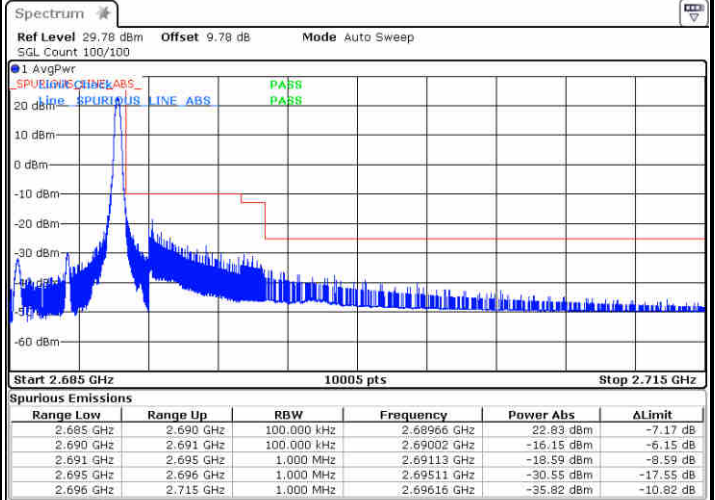
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



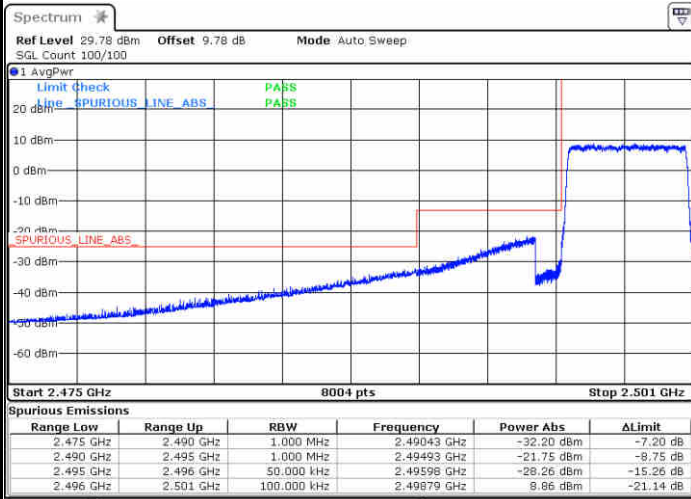
Date: 30.OCT.2019 10:28:39

Highest Band Edge / 1 RB



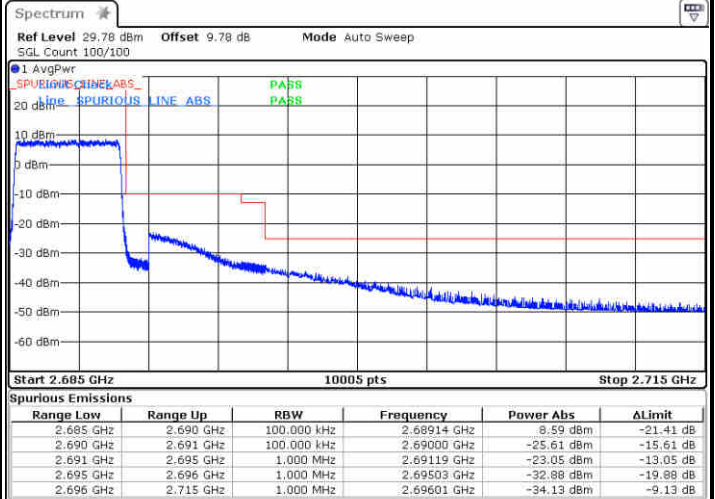
Date: 30.OCT.2019 10:38:53

Lowest Band Edge / Full RB



Date: 30.OCT.2019 10:32:11

Highest Band Edge / Full RB

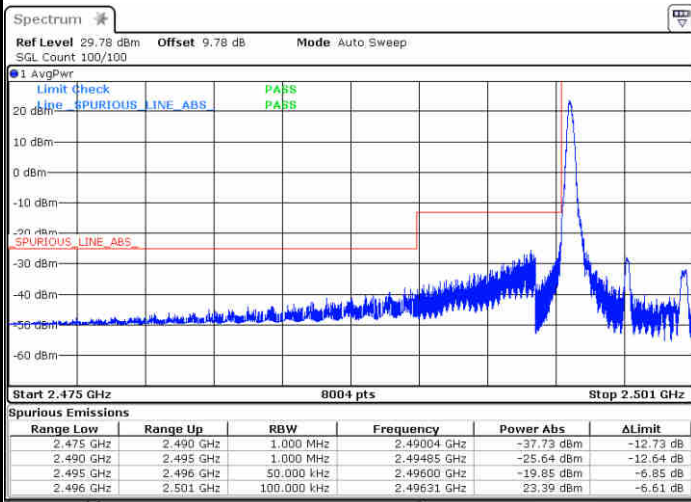


Date: 30.OCT.2019 10:35:26



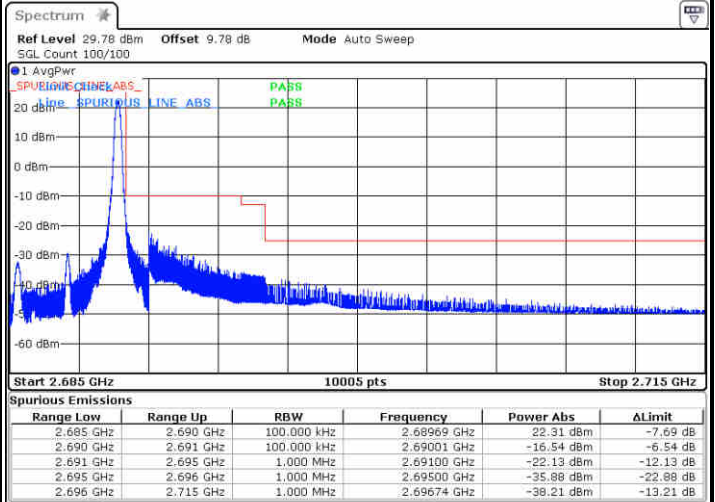
LTE Band 41 / 5MHz / 674QAM

Lowest Band Edge / 1RB



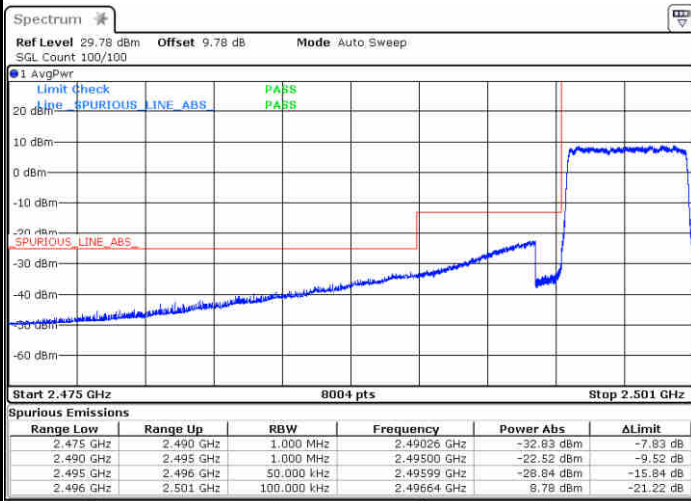
Date: 30.OCT.2019 10:29:49

Highest Band Edge / 1 RB



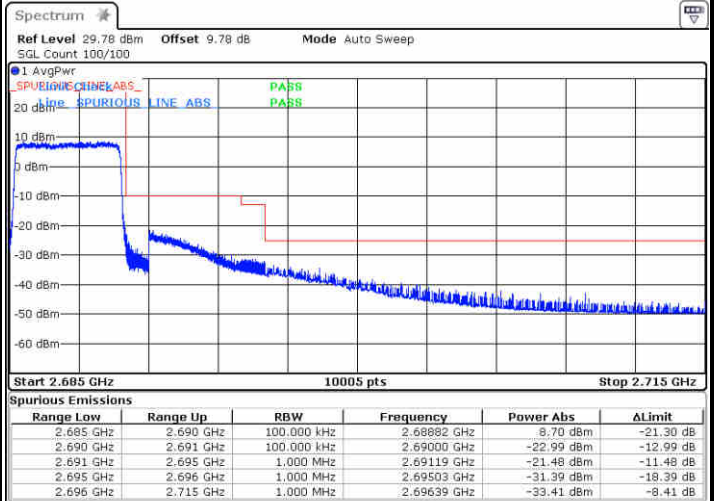
Date: 30.OCT.2019 10:39:50

Lowest Band Edge / Full RB



Date: 30.OCT.2019 10:31:15

Highest Band Edge / Full RB

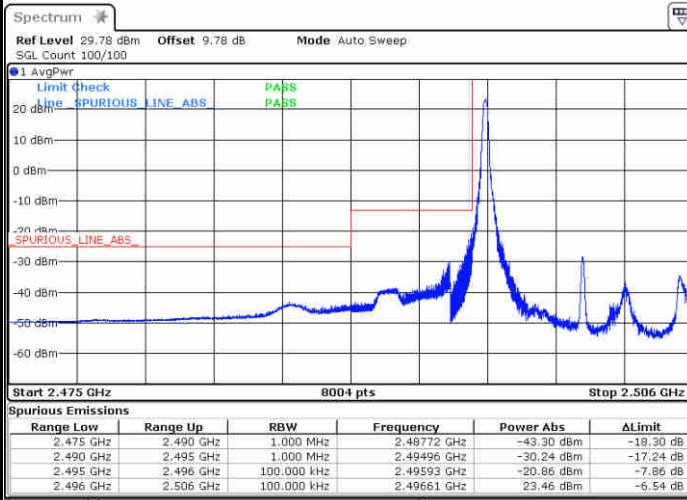


Date: 30.OCT.2019 10:37:01



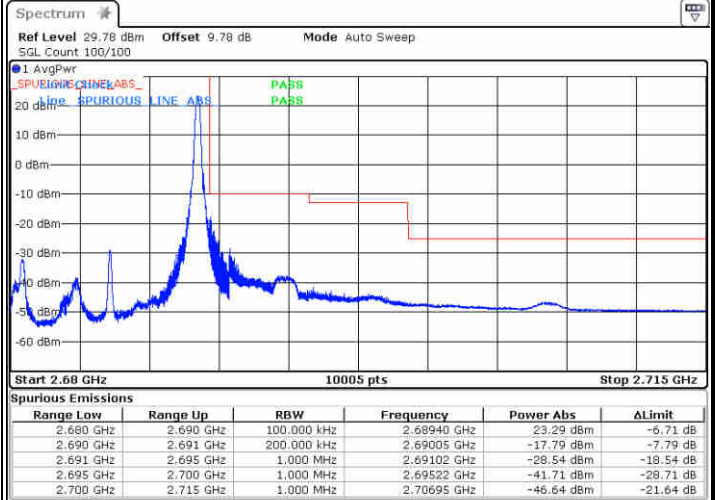
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



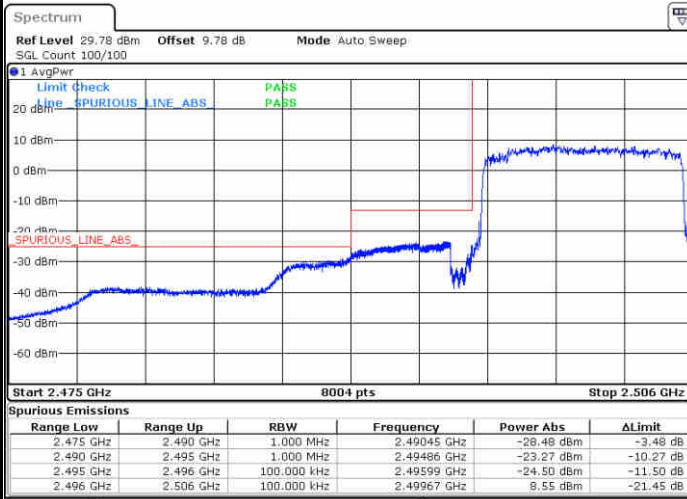
Date: 30.OCT.2019 10:51:03

Highest Band Edge / 1 RB



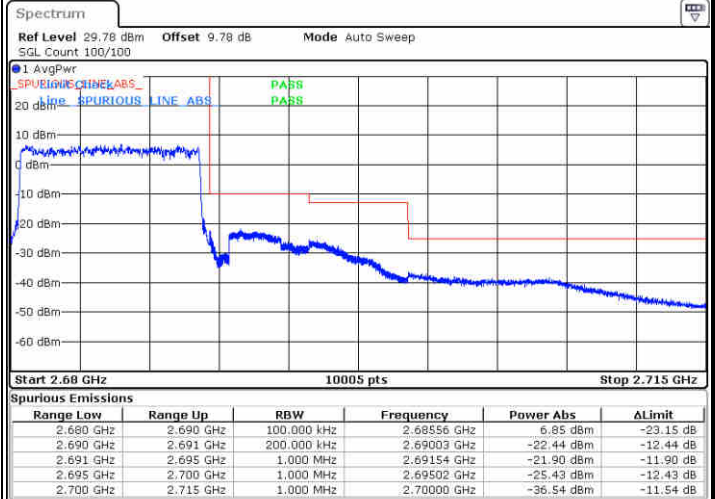
Date: 30.OCT.2019 14:31:40

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:27:58

Highest Band Edge / Full RB

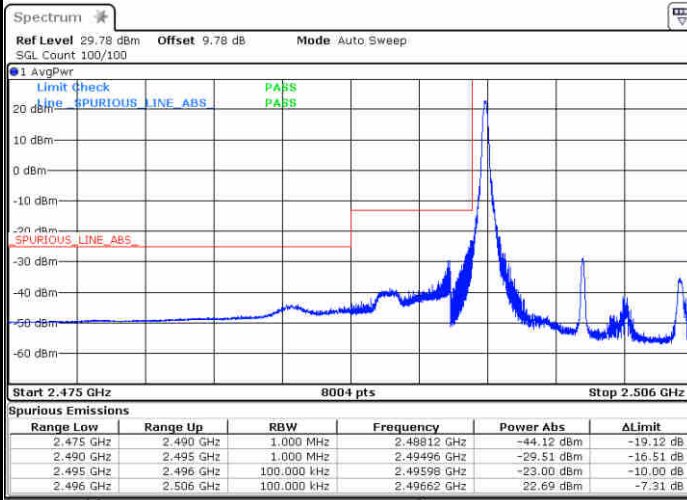


Date: 30.OCT.2019 14:30:41



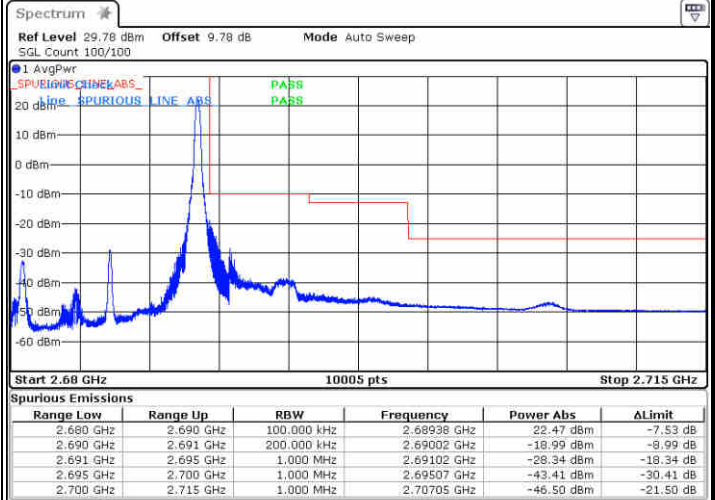
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



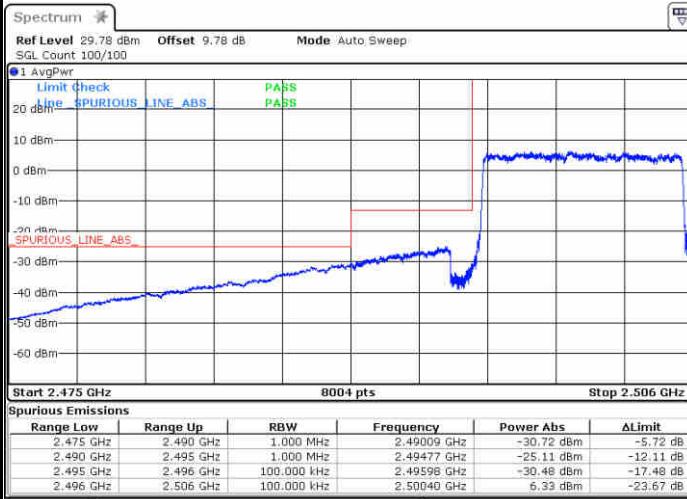
Date: 30.OCT.2019 10:52:05

Highest Band Edge / 1 RB



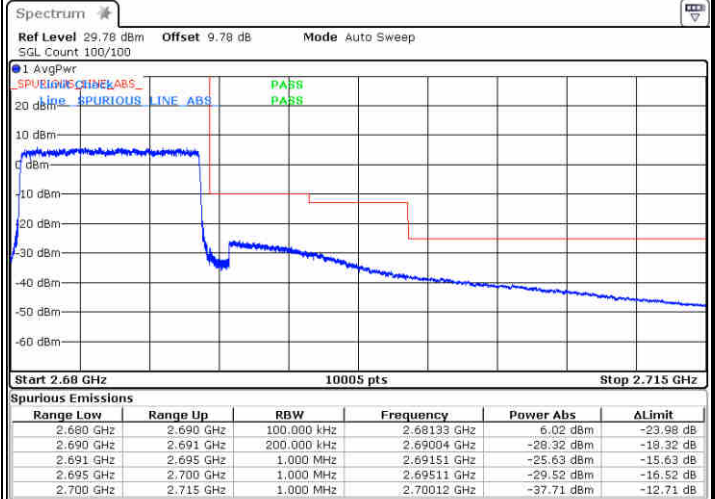
Date: 30.OCT.2019 14:32:41

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:28:38

Highest Band Edge / Full RB

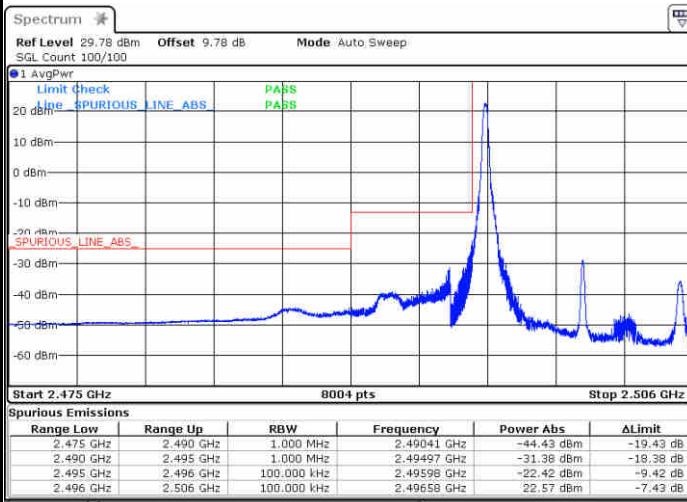


Date: 30.OCT.2019 14:30:24



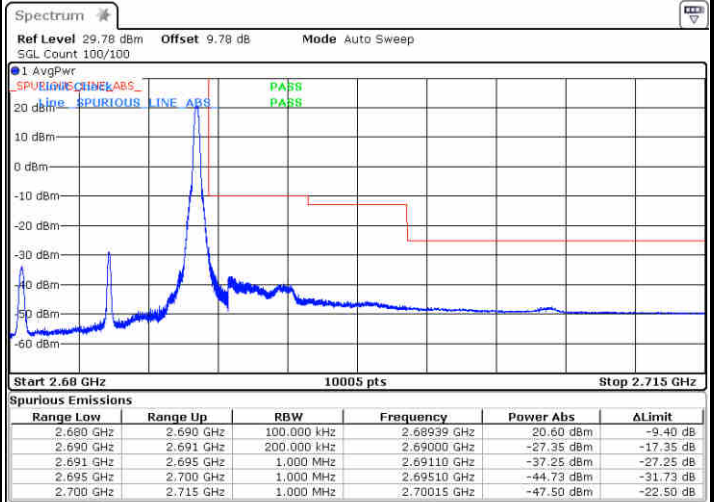
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



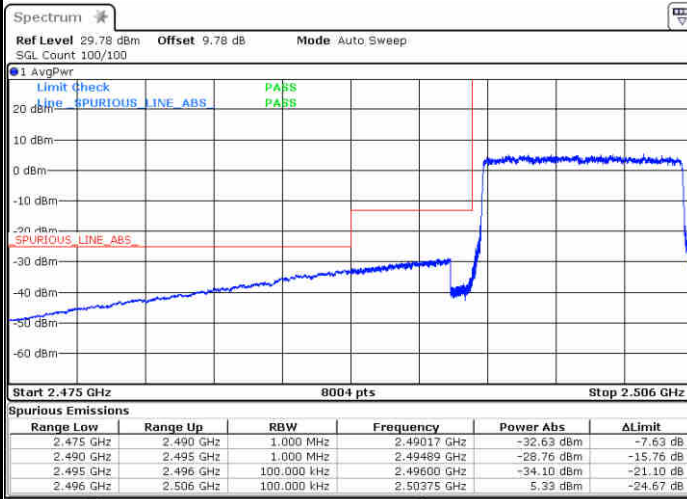
Date: 30.OCT.2019 10:55:18

Highest Band Edge / 1 RB



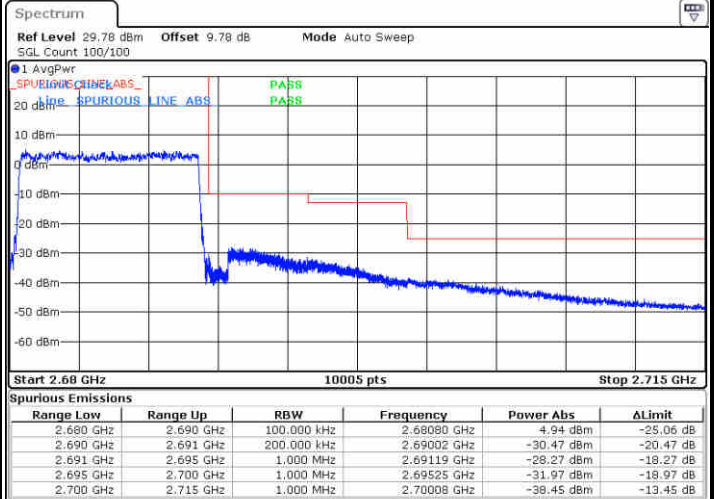
Date: 30.OCT.2019 14:33:49

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:29:19

Highest Band Edge / Full RB

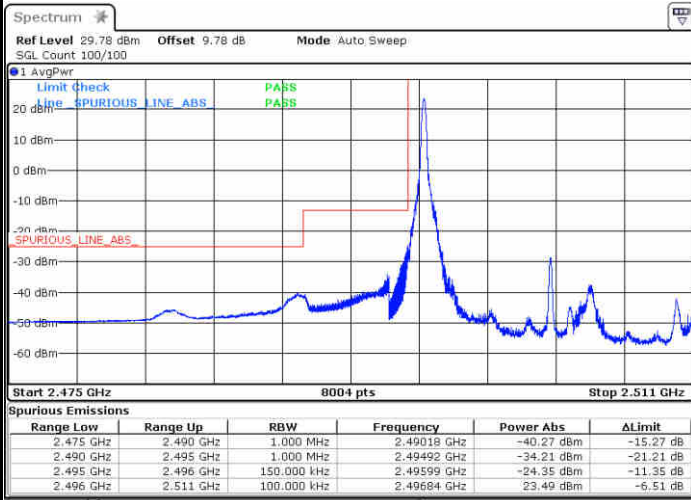


Date: 30.OCT.2019 14:29:41



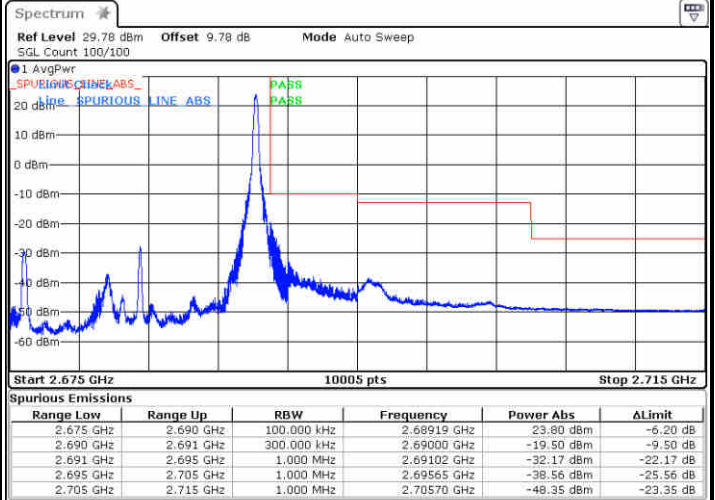
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



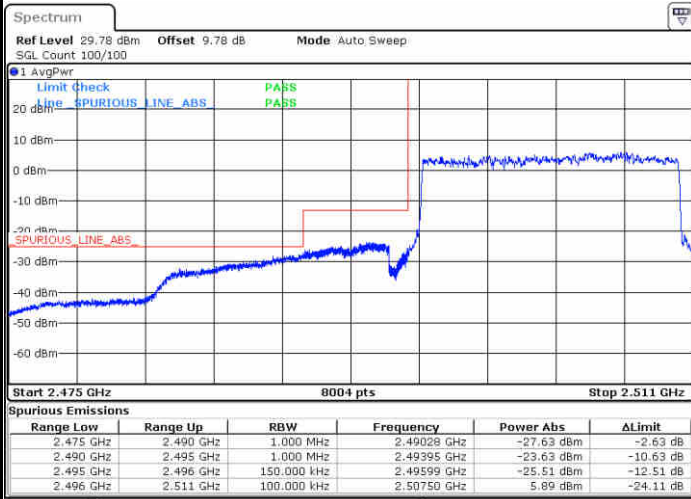
Date: 30.OCT.2019 14:42:50

Highest Band Edge / 1 RB



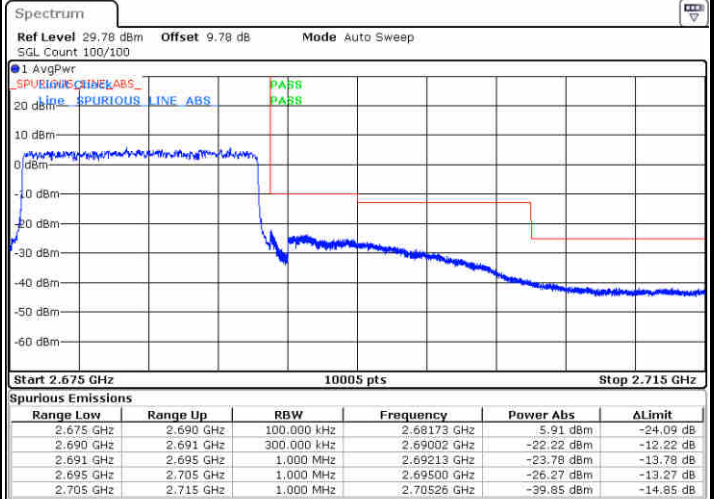
Date: 30.OCT.2019 14:47:52

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:45:05

Highest Band Edge / Full RB

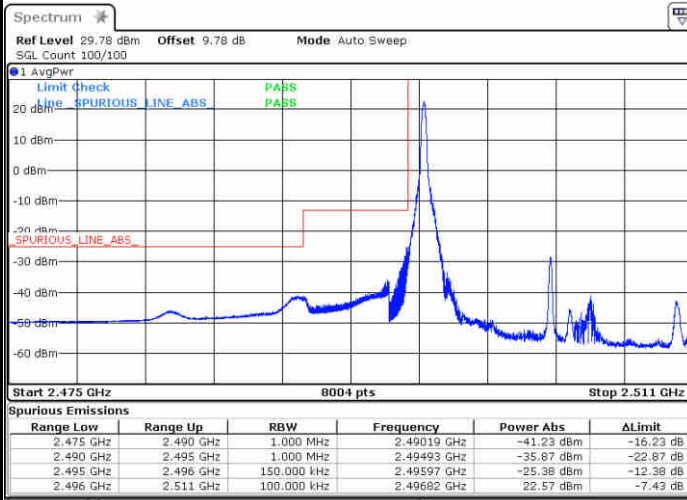


Date: 30.OCT.2019 14:45:28



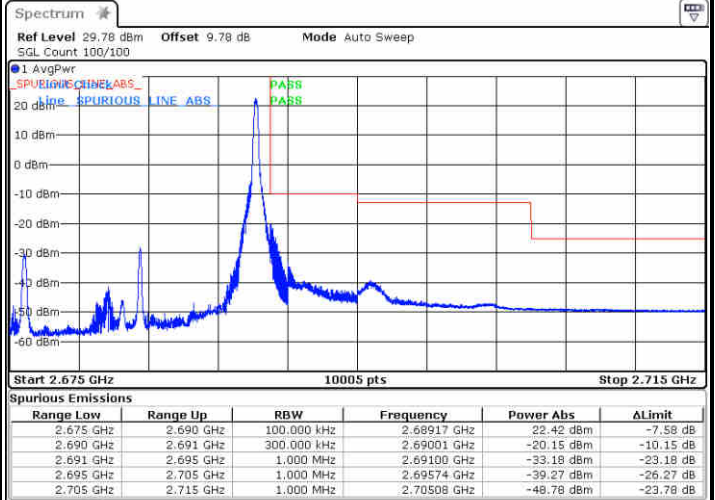
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



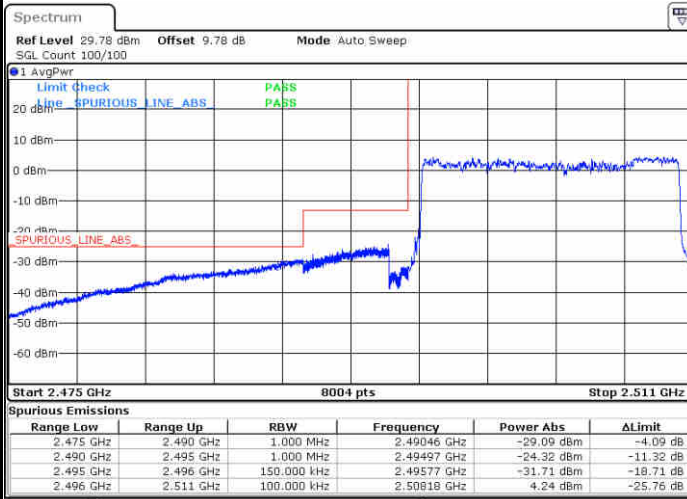
Date: 30.OCT.2019 14:43:49

Highest Band Edge / 1 RB



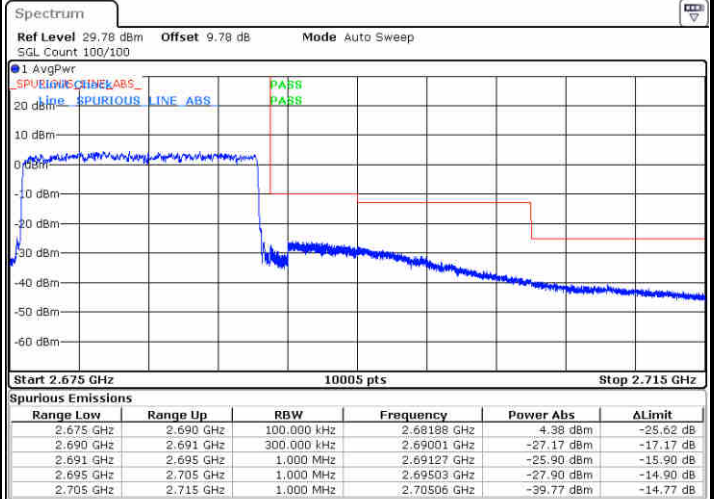
Date: 30.OCT.2019 14:47:07

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:44:48

Highest Band Edge / Full RB

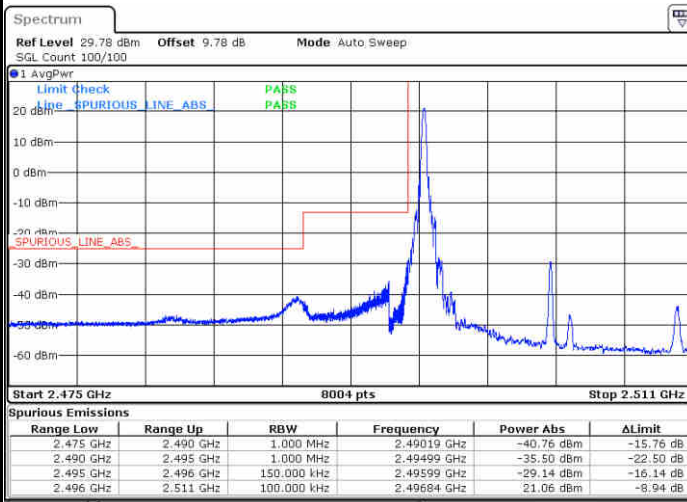


Date: 30.OCT.2019 14:45:45



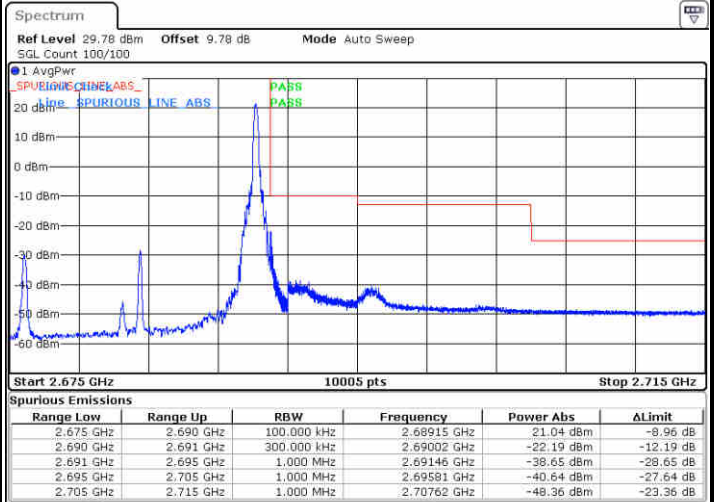
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



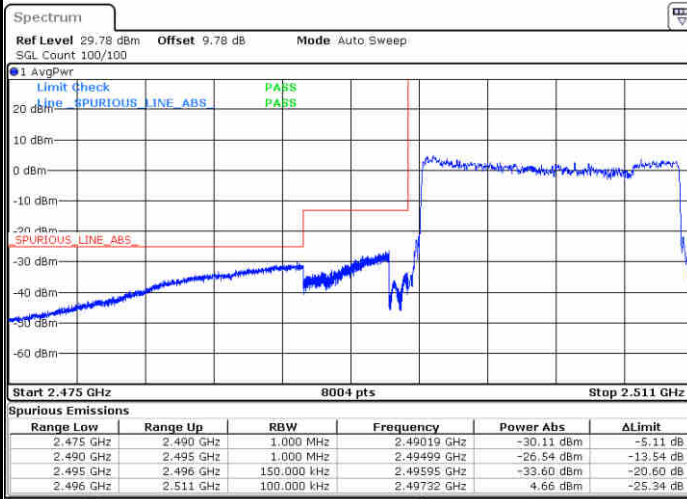
Date: 30.OCT.2019 14:44:11

Highest Band Edge / 1 RB



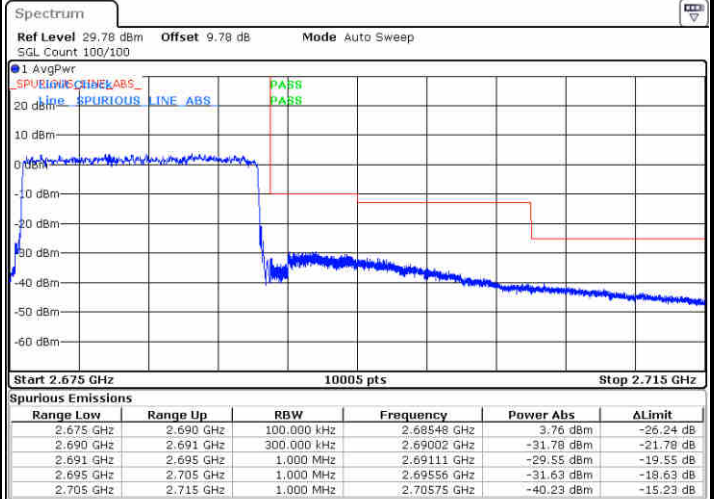
Date: 30.OCT.2019 14:46:23

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:44:32

Highest Band Edge / Full RB

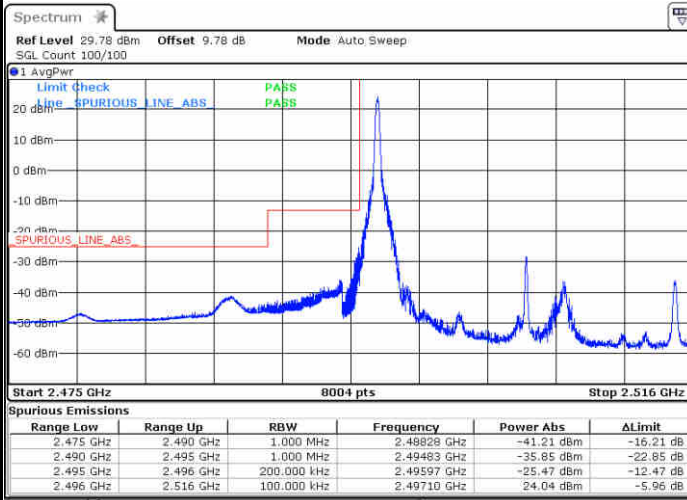


Date: 30.OCT.2019 14:46:07



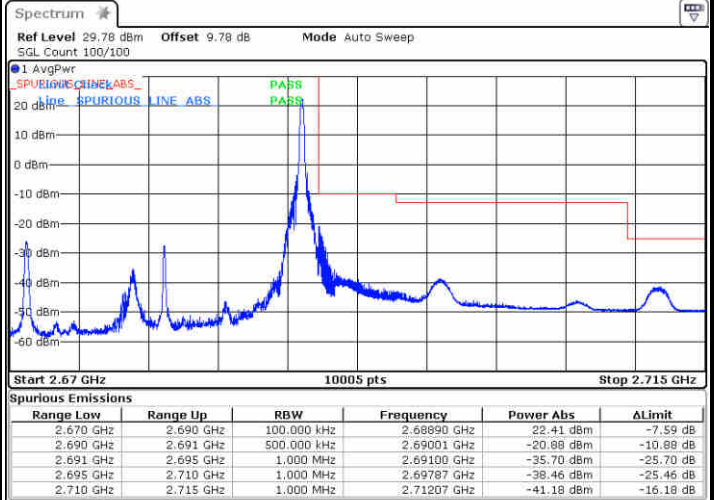
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



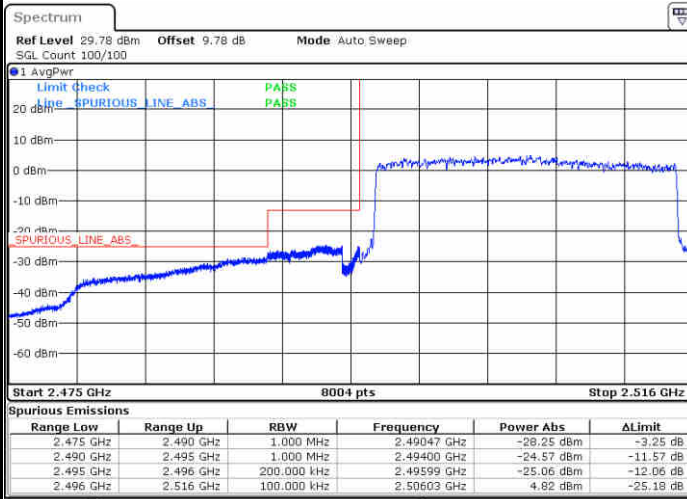
Date: 30.OCT.2019 14:56:20

Highest Band Edge / 1 RB



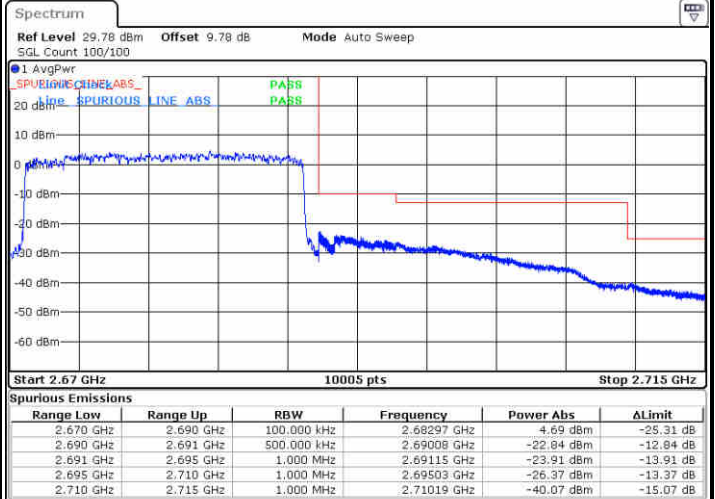
Date: 30.OCT.2019 15:00:59

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:58:15

Highest Band Edge / Full RB

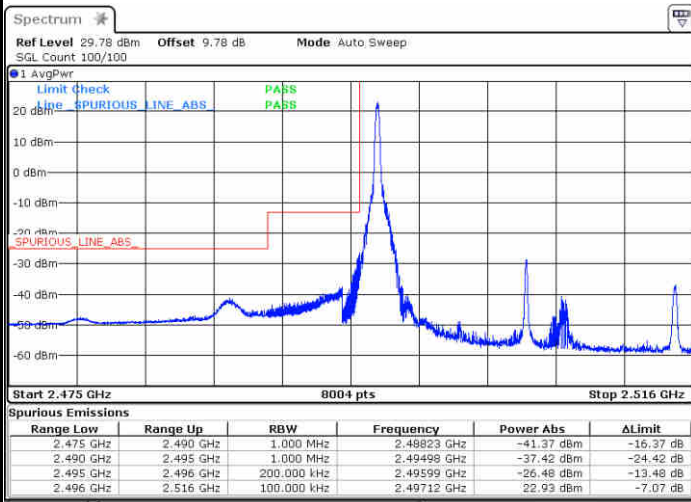


Date: 30.OCT.2019 14:58:43



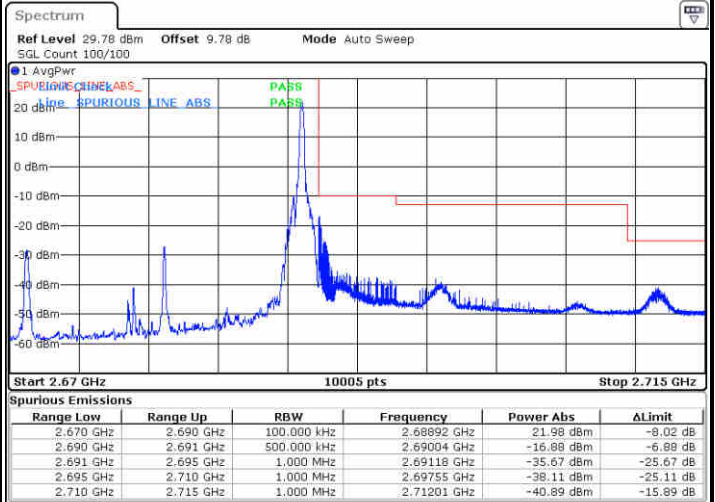
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



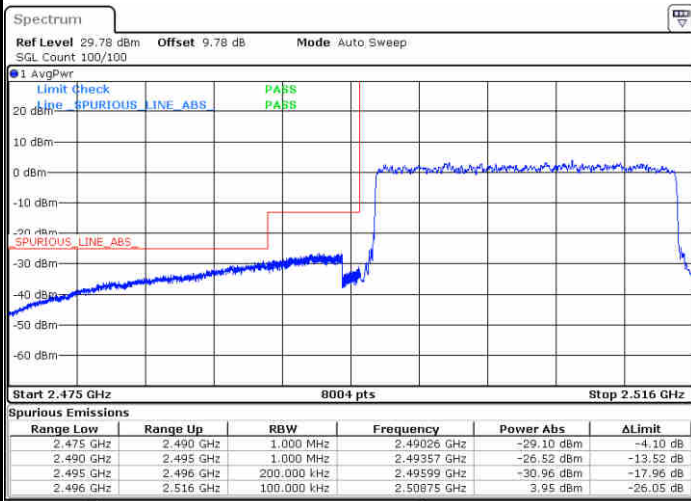
Date: 30.OCT.2019 14:56:58

Highest Band Edge / 1 RB



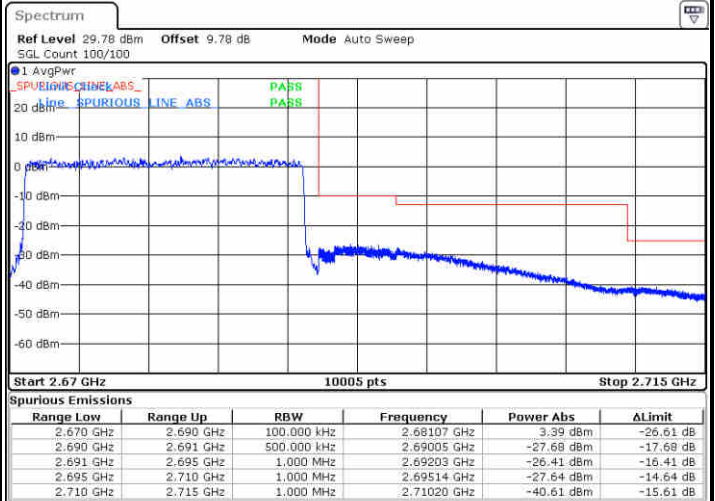
Date: 30.OCT.2019 14:59:57

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:57:51

Highest Band Edge / Full RB

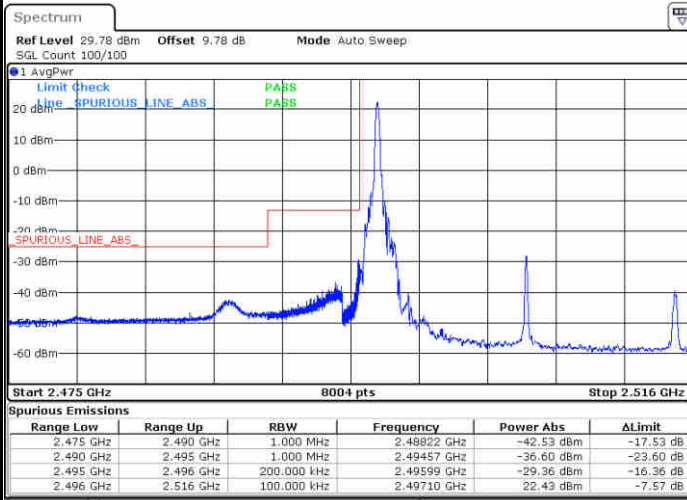


Date: 30.OCT.2019 14:59:02



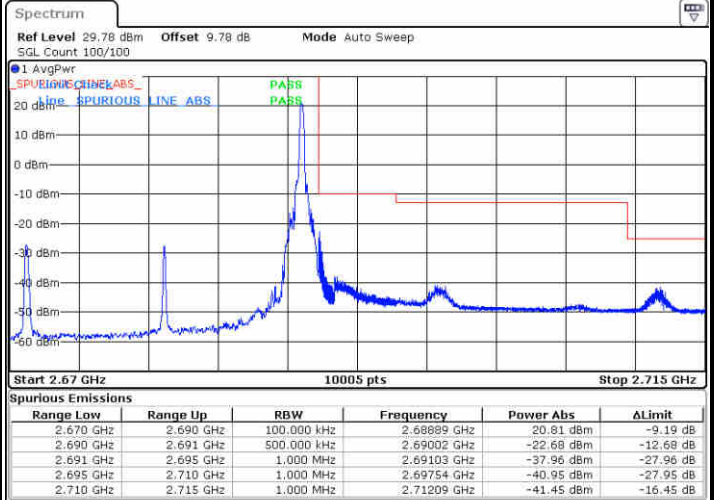
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



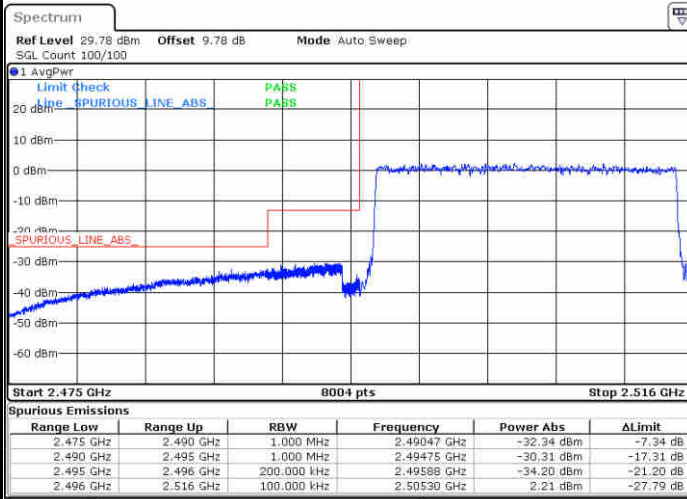
Date: 30.OCT.2019 14:57:14

Highest Band Edge / 1 RB



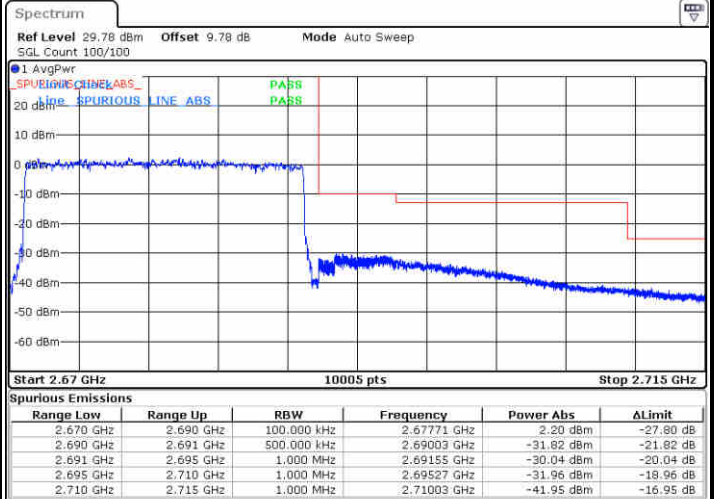
Date: 30.OCT.2019 14:59:37

Lowest Band Edge / Full RB



Date: 30.OCT.2019 14:57:36

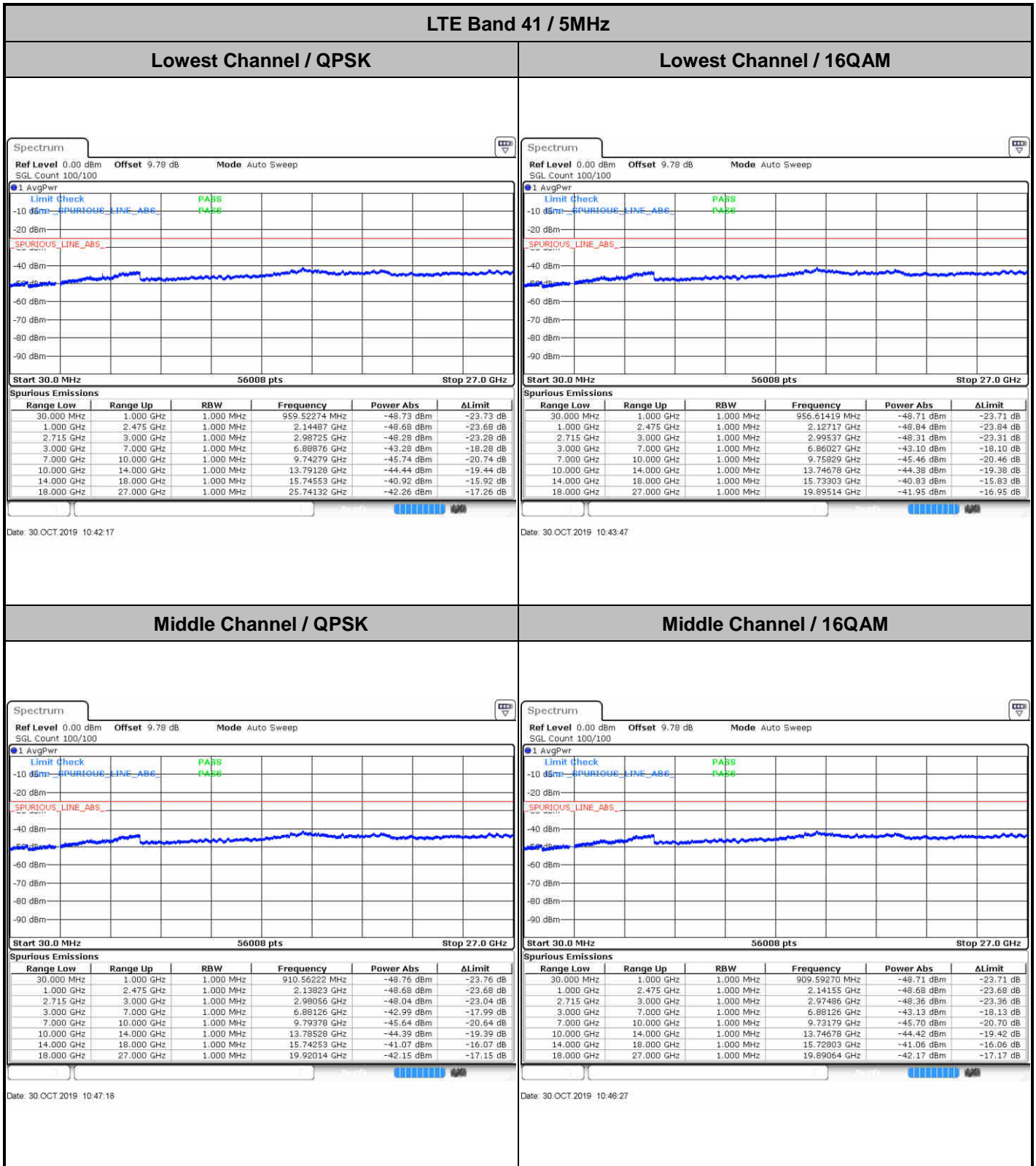
Highest Band Edge / Full RB



Date: 30.OCT.2019 14:59:18



Conducted Spurious Emission

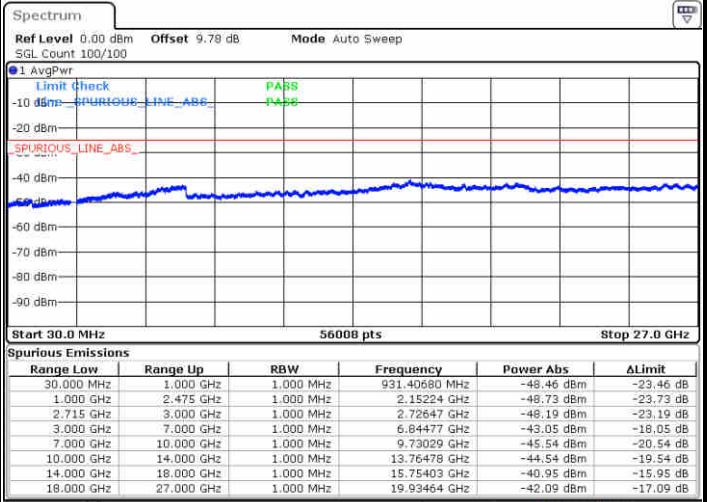
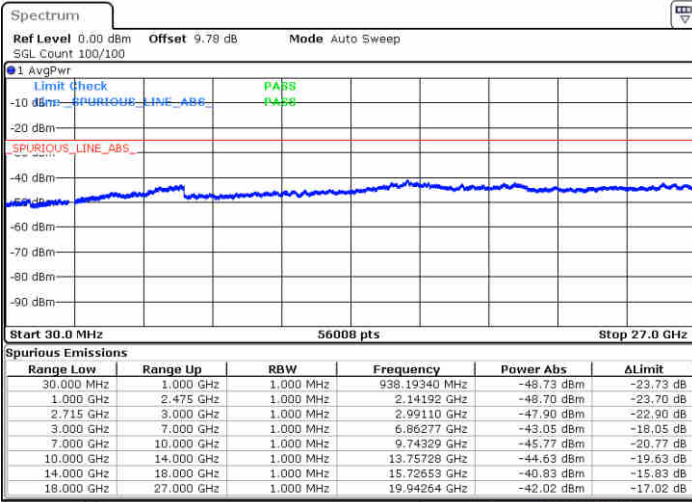




LTE Band 41 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



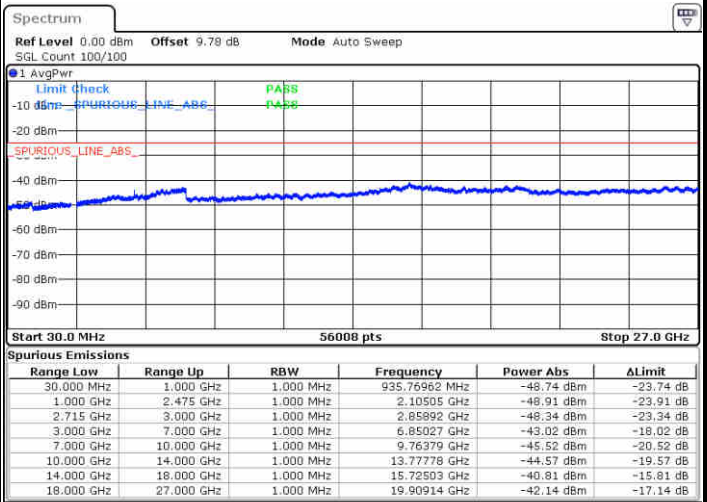
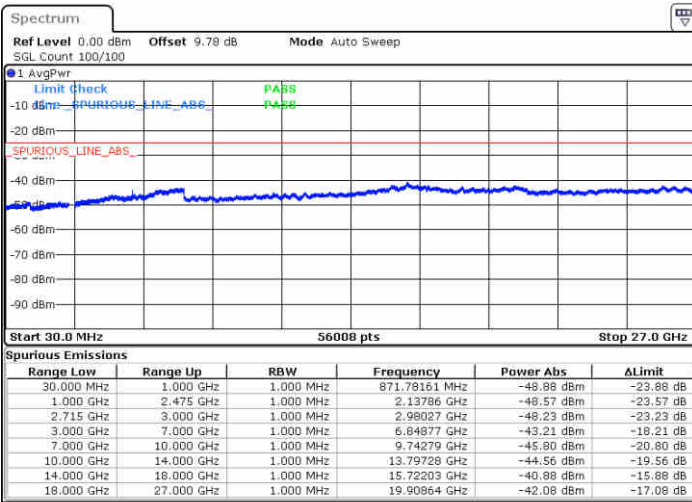
Date: 30.OCT.2019 10:48:12

Date: 30.OCT.2019 10:49:01

LTE Band 41 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 30.OCT.2019 14:34:58

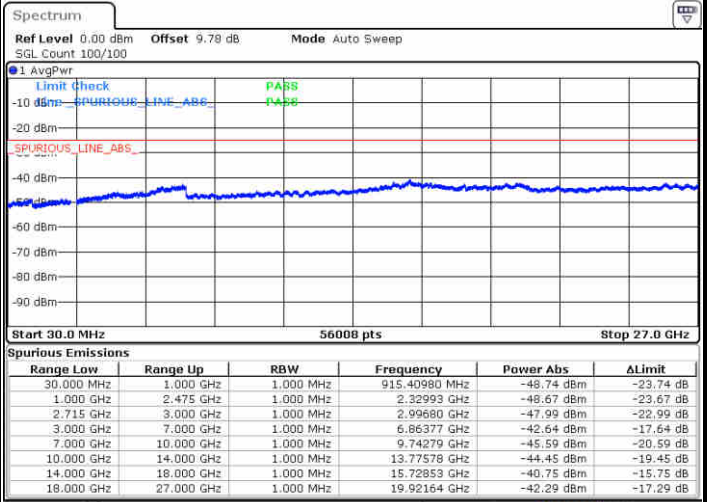
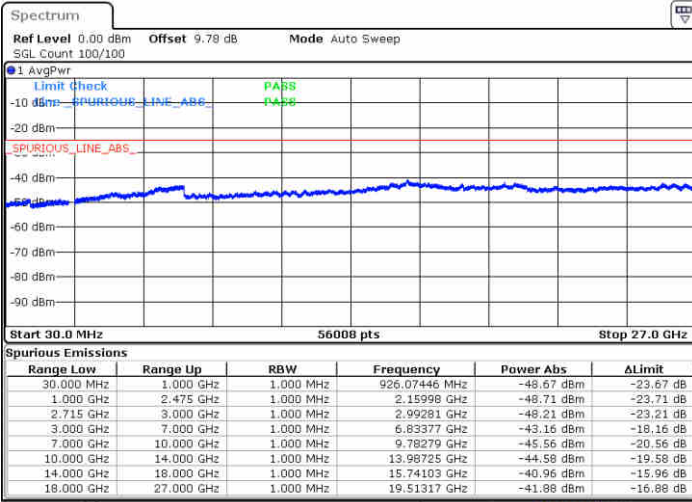
Date: 30.OCT.2019 14:35:50



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

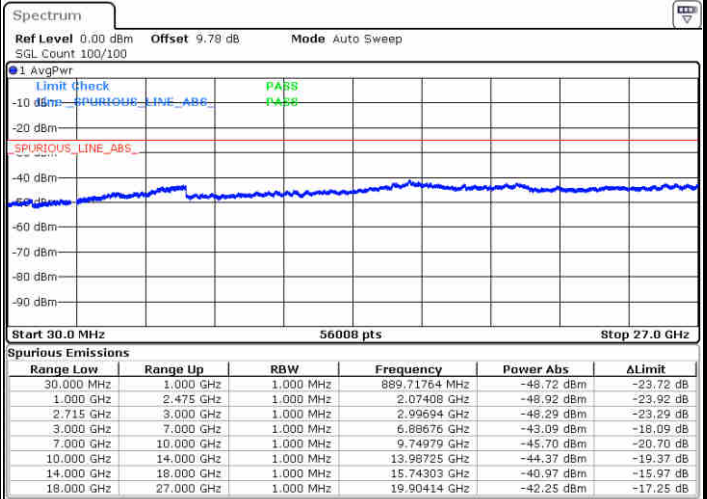
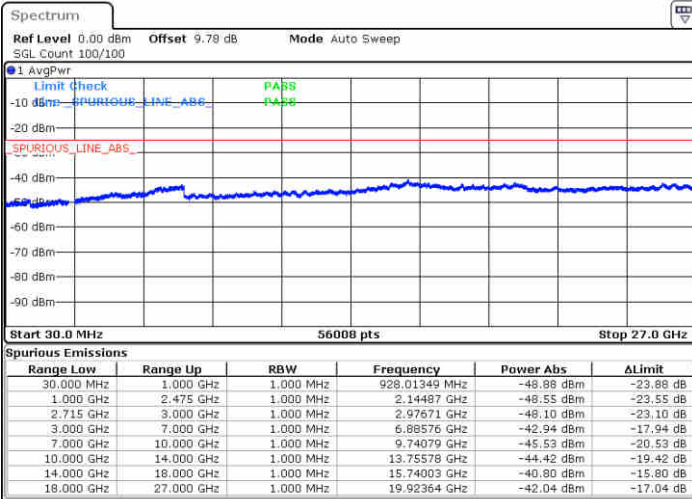


Date: 30.OCT.2019 14:39:16

Date: 30.OCT.2019 14:38:23

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30.OCT.2019 14:40:10

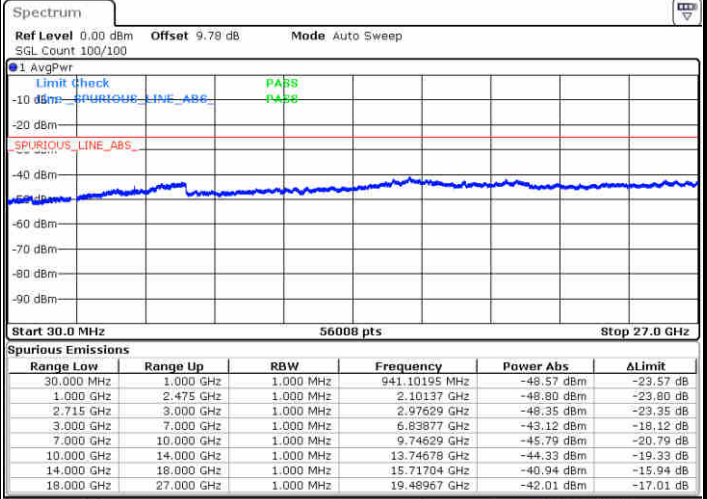
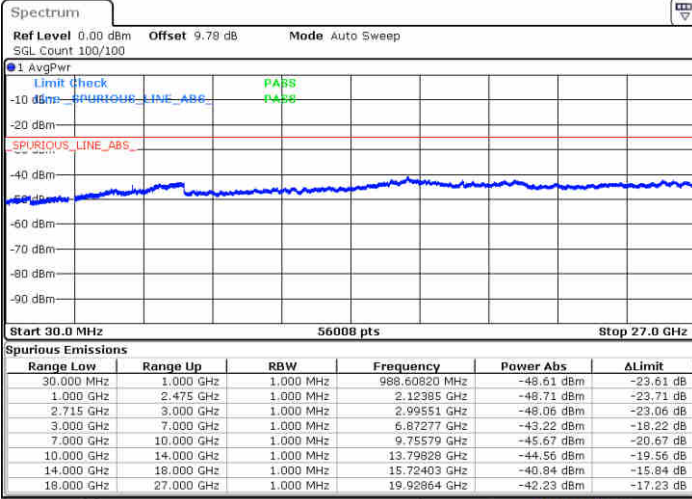
Date: 30.OCT.2019 14:41:00



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

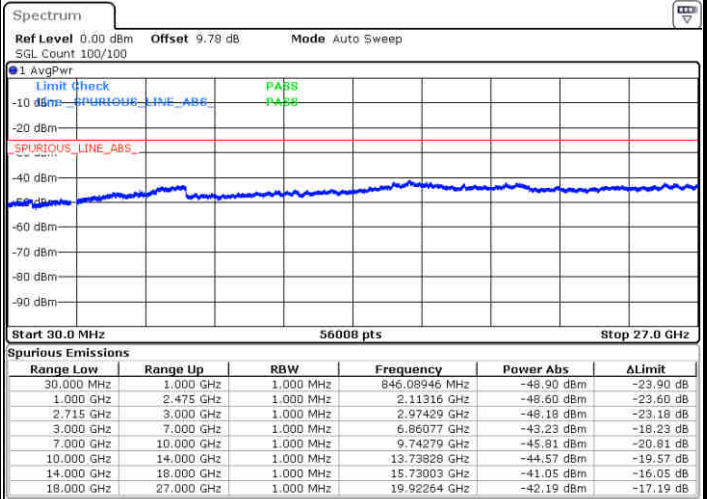
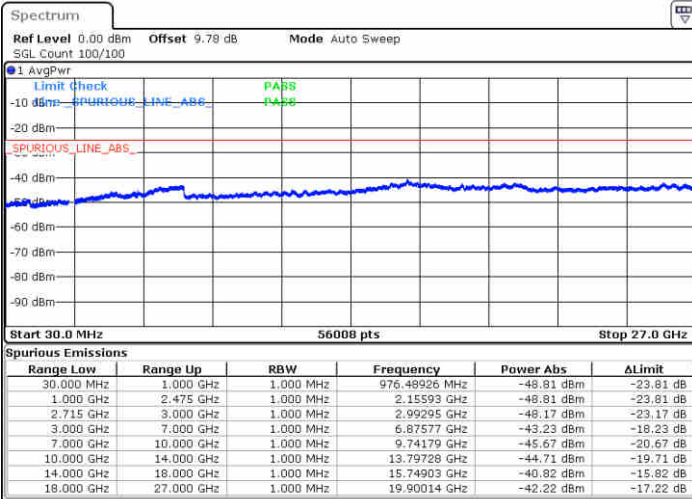


Date: 30.OCT.2019 14:48:48

Date: 30.OCT.2019 14:49:37

Middle Channel / QPSK

Middle Channel / 16QAM



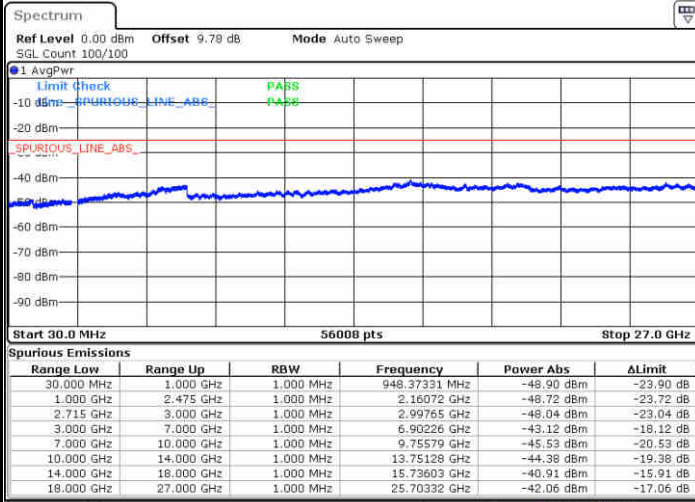
Date: 30.OCT.2019 14:52:59

Date: 30.OCT.2019 14:52:09



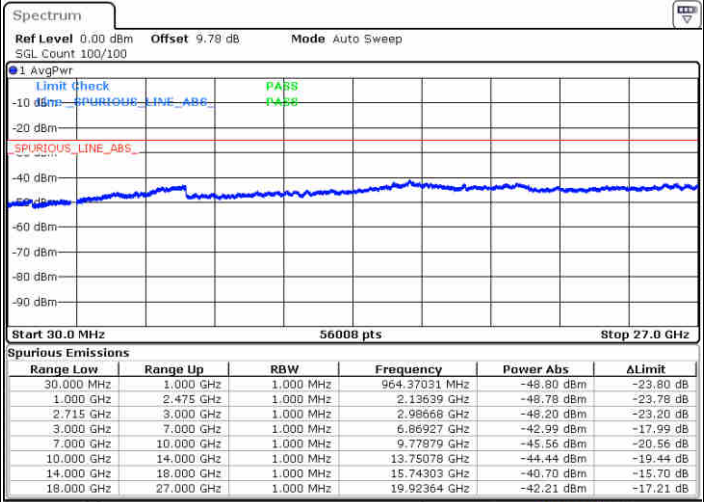
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 30.OCT.2019 14:53:51

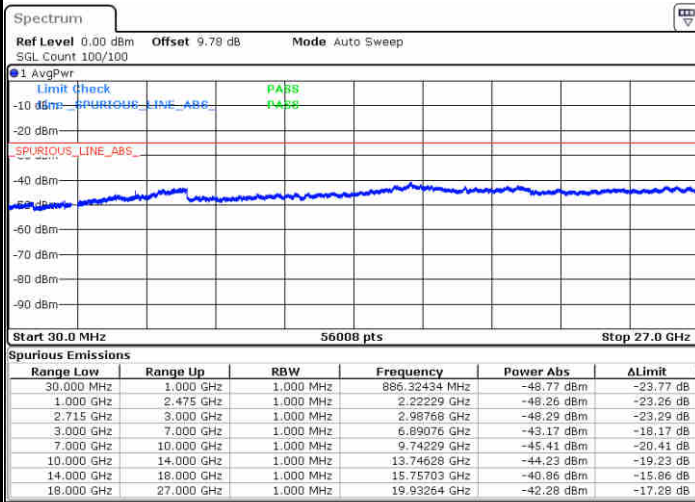
Highest Channel / 16QAM



Date: 30.OCT.2019 14:54:42

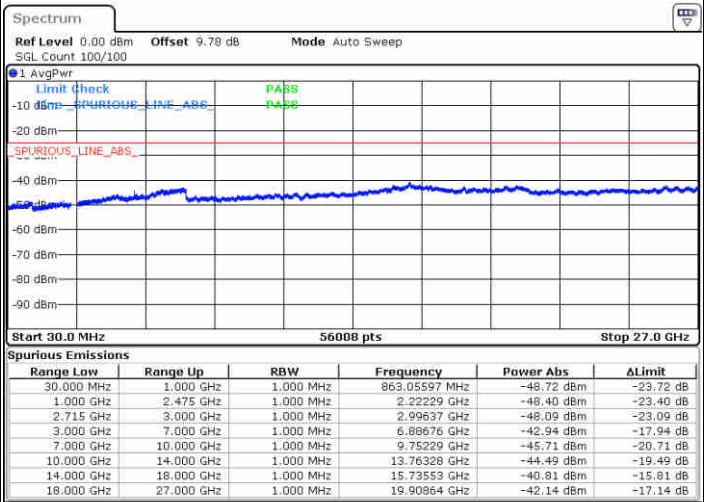
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 30.OCT.2019 15:02:03

Lowest Channel / 16QAM



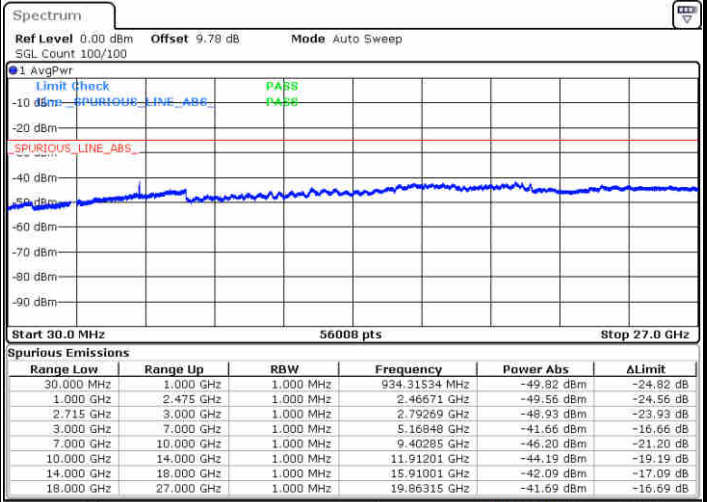
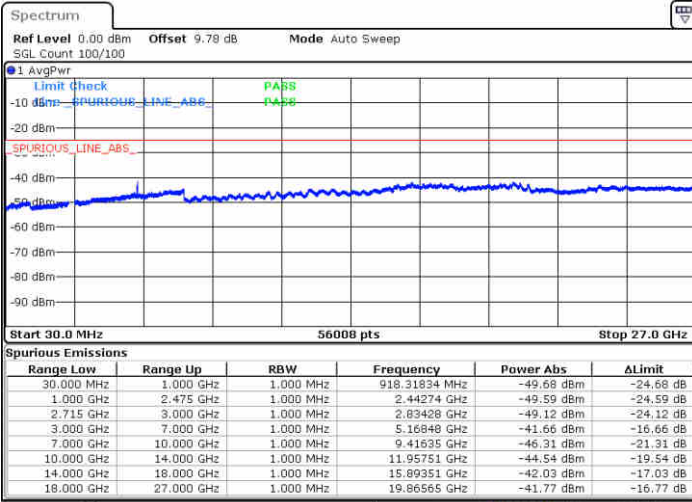
Date: 30.OCT.2019 15:02:51



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

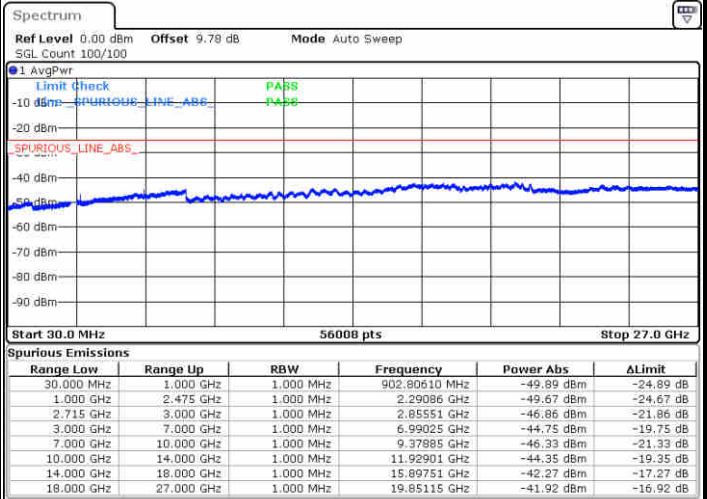
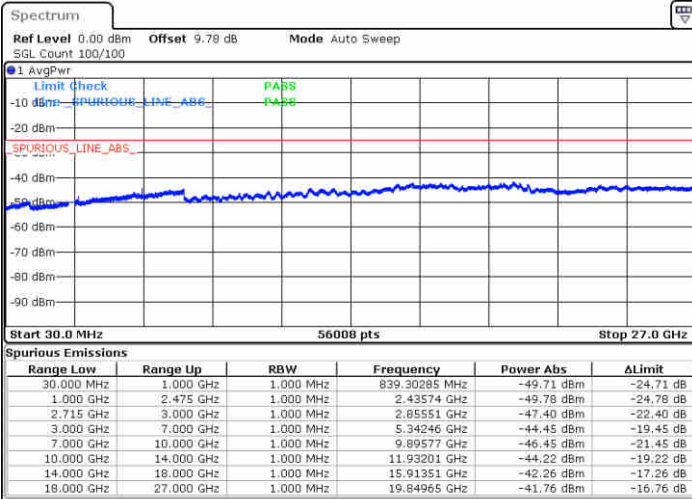


Date: 30.OCT.2019 15:20:20

Date: 30.OCT.2019 15:19:23

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30.OCT.2019 15:21:14

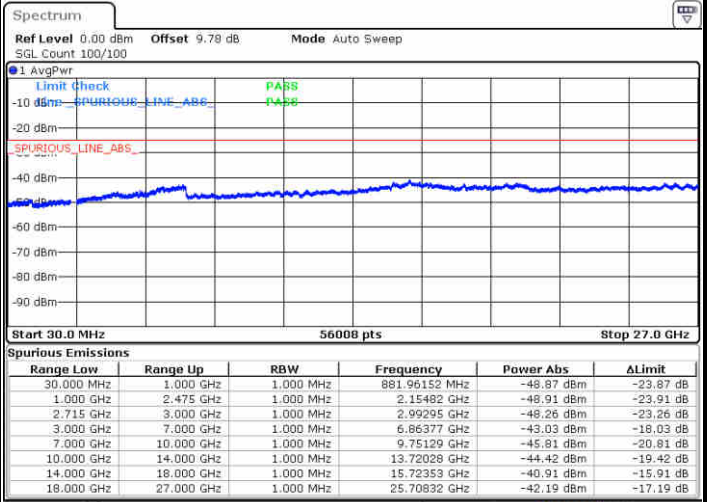
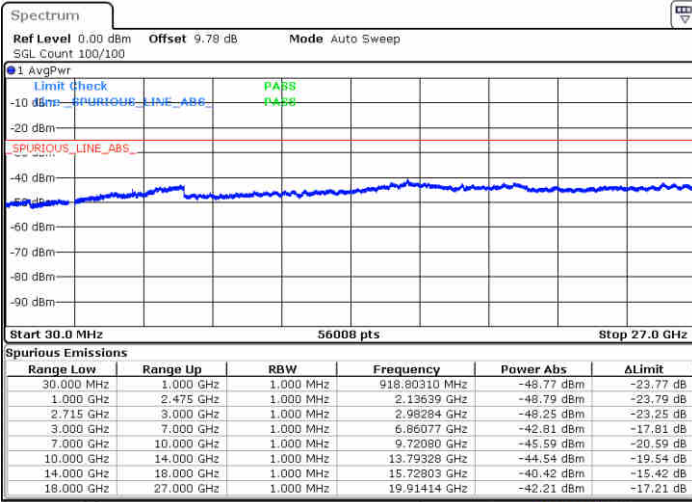
Date: 30.OCT.2019 15:22:07



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

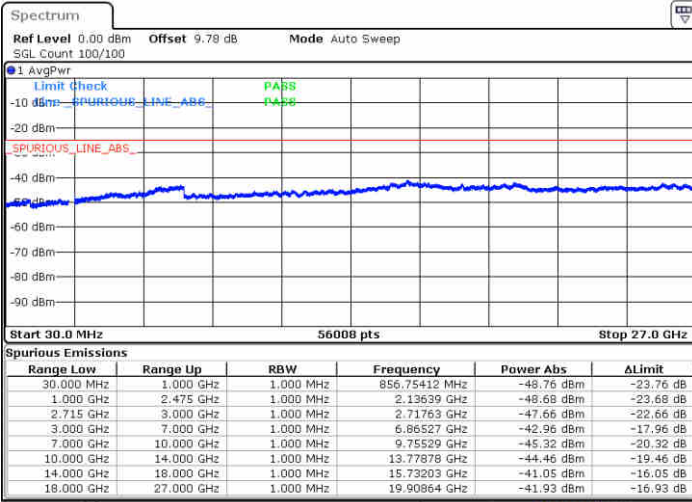
Middle Channel / 64QAM



Date: 30.OCT.2019 10:44:37

Date: 30.OCT.2019 10:45:35

Highest Channel / 64QAM



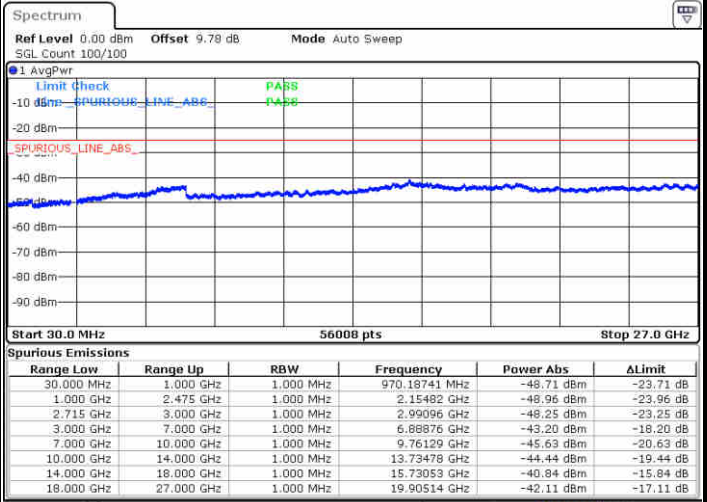
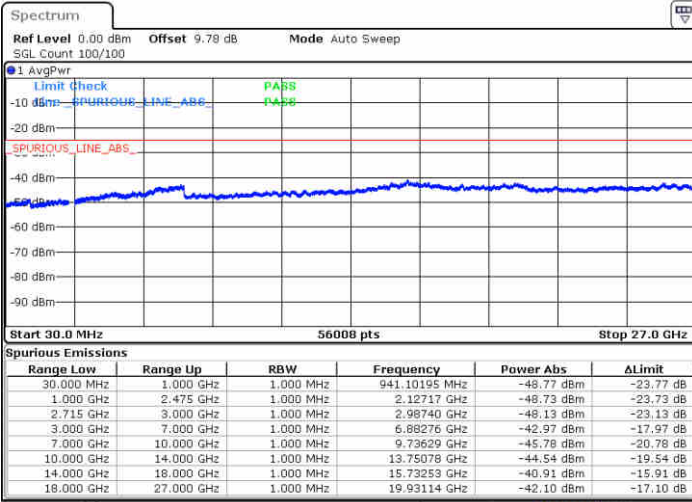
Date: 30.OCT.2019 10:49:56



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

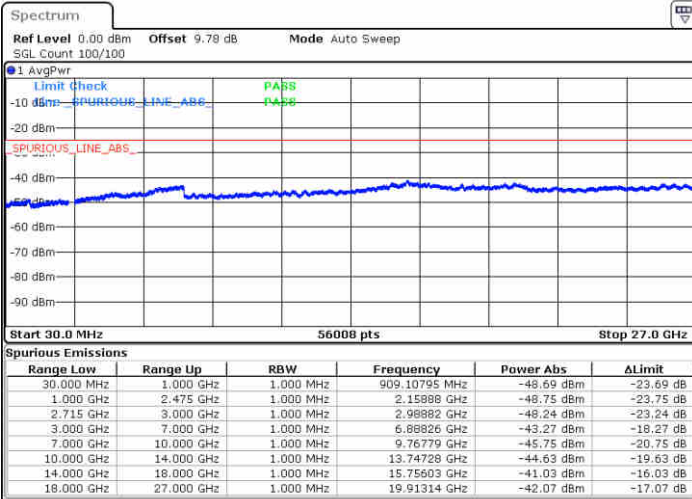
Middle Channel / 64QAM



Date: 30.OCT.2019 14:36:42

Date: 30.OCT.2019 14:37:30

Highest Channel / 64QAM



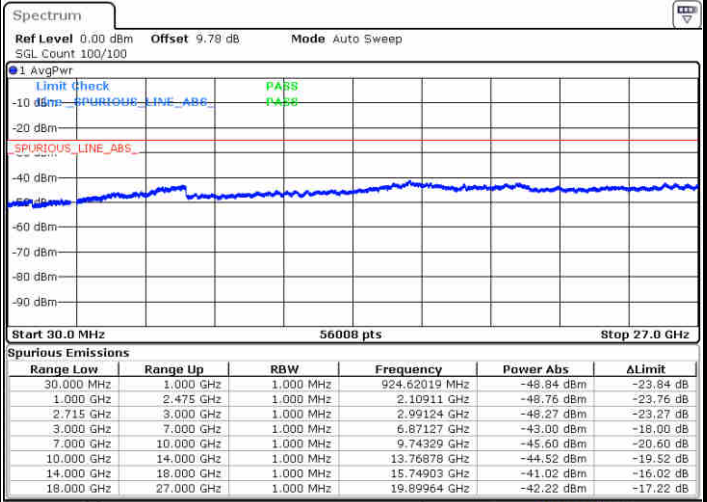
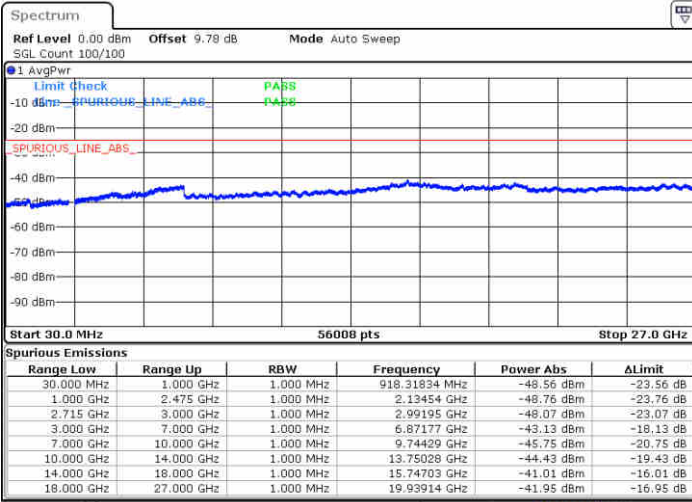
Date: 30.OCT.2019 14:41:51



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

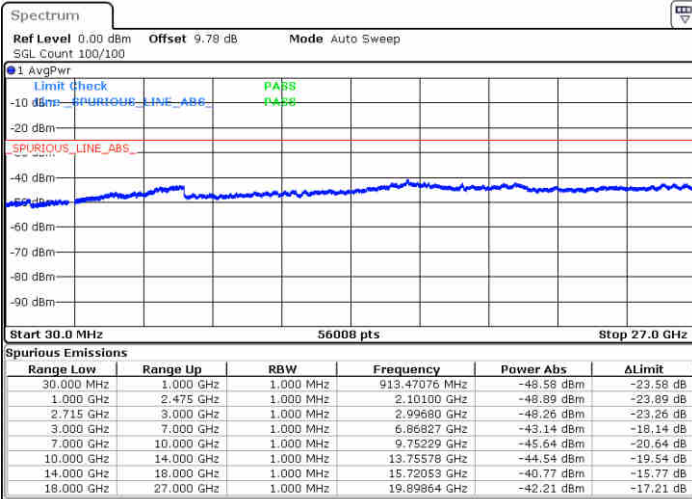
Middle Channel / 64QAM



Date: 30.OCT.2019 14:50:27

Date: 30.OCT.2019 14:51:17

Highest Channel / 64QAM



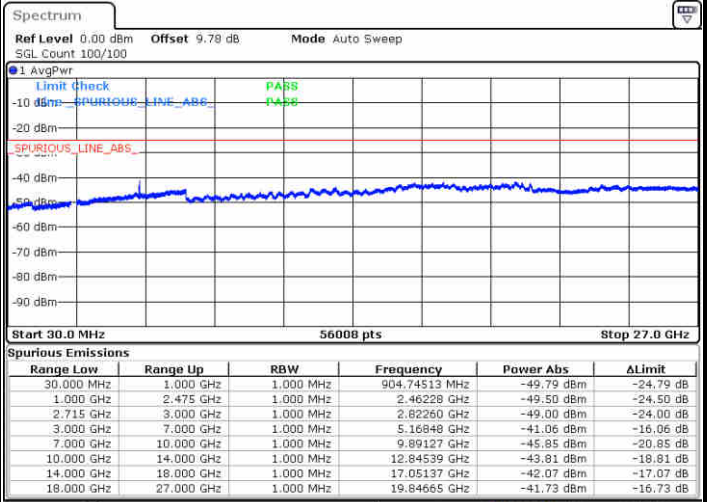
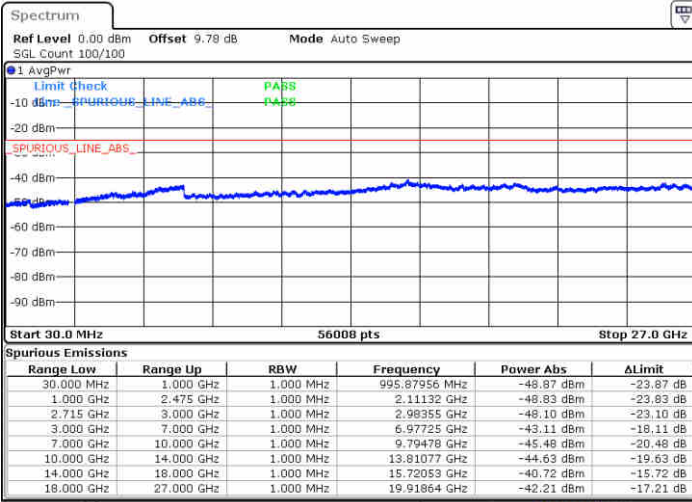
Date: 30.OCT.2019 14:55:33



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

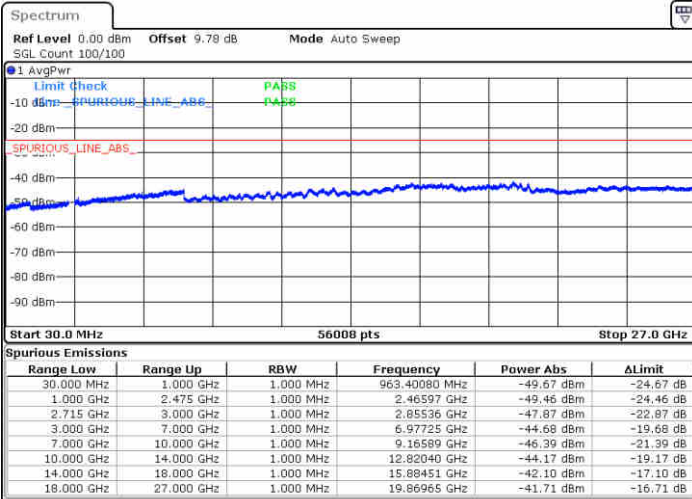
Middle Channel / 64QAM



Date: 30.OCT.2019 15:03:40

Date: 30.OCT.2019 15:17:44

Highest Channel / 64QAM



Date: 30.OCT.2019 15:23:04



Frequency Stability

| Test Conditions | | LTE Band 41 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0023 | PASS |
| 40 | Normal Voltage | 0.0028 | |
| 30 | Normal Voltage | 0.0008 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0019 | |
| 0 | Normal Voltage | 0.0032 | |
| -10 | Normal Voltage | 0.0002 | |
| -20 | Normal Voltage | 0.0004 | |
| -30 | Normal Voltage | 0.0021 | |
| 20 | Maximum Voltage | 0.0006 | |
| 20 | Normal Voltage | 0.0025 | |
| 20 | Battery End Point | 0.0027 | |

Note:

1. Normal Voltage =3.8 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

Peak-to-Average Ratio

| Mode | LTE Band 66 / 20MHz | | | | |
|------------|---------------------|---------|-------------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.71 | 4.61 | 5.30 | 5.94 | PASS |
| Middle CH | 3.74 | 4.55 | 5.22 | 5.88 | |
| Highest CH | 3.59 | 4.67 | 5.07 | 6.03 | |
| Mode | LTE Band 66 / 20MHz | | | | |
| Mod. | 64QAM | | Limit: 13dB | | |
| RB Size | 1RB | Full RB | Result | | |
| Lowest CH | 6.96 | 6.64 | PASS | | |
| Middle CH | 6.32 | 6.61 | | | |
| Highest CH | 6.55 | 6.64 | | | |



LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 28.OCT.2019 23:55:14

Lowest Channel / Full RB



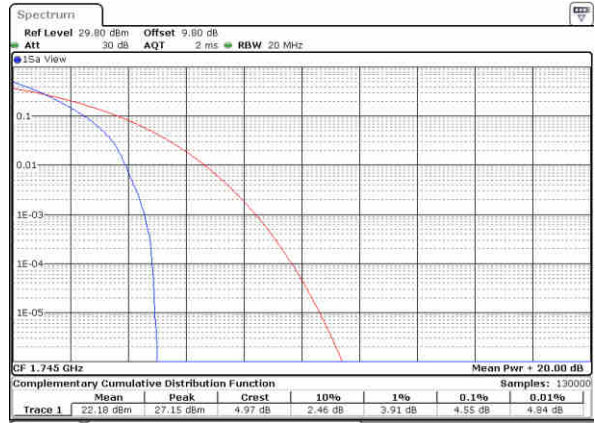
Date: 28.OCT.2019 23:49:44

Middle Channel / 1RB



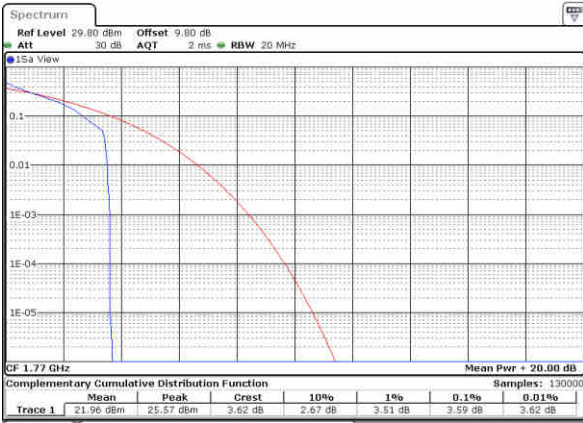
Date: 28.OCT.2019 23:59:17

Middle Channel / Full RB



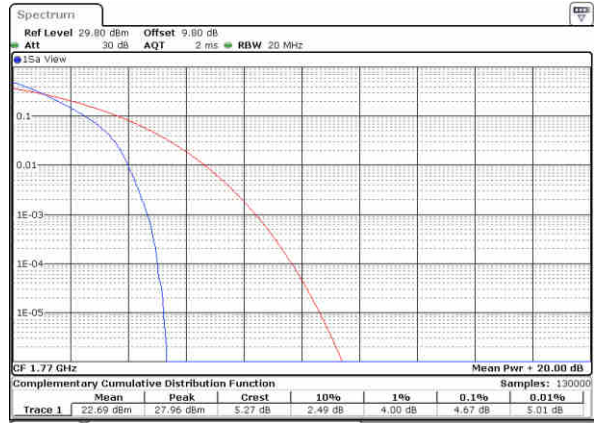
Date: 29.OCT.2019 00:00:05

Highest Channel / 1RB



Date: 28.OCT.2019 23:43:50

Highest Channel / Full RB

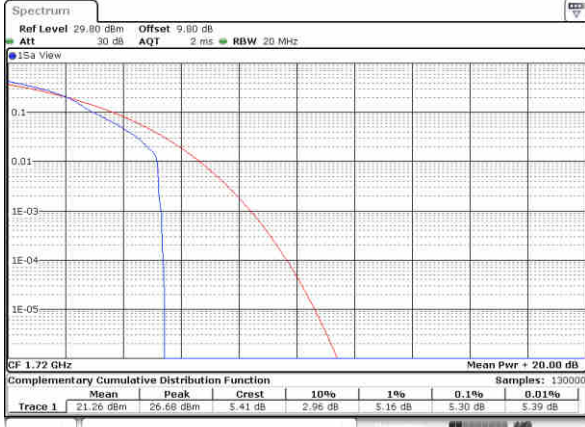


Date: 28.OCT.2019 23:45:59



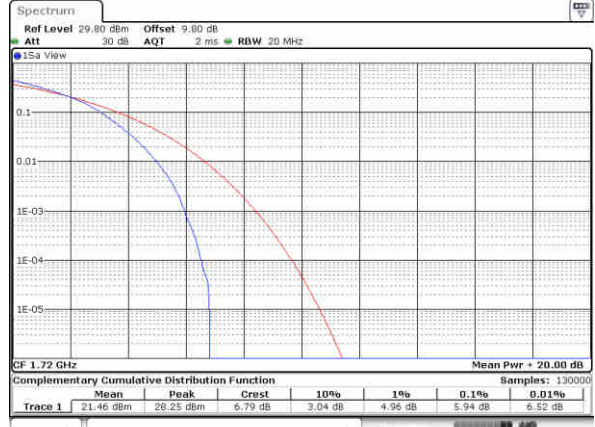
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



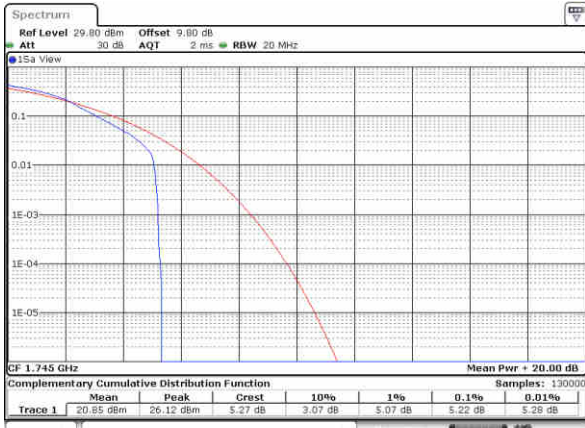
Date: 28.OCT.2019 23:52:48

Lowest Channel / Full RB



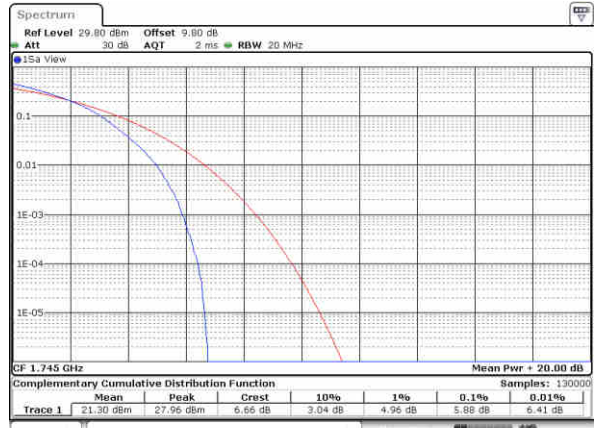
Date: 28.OCT.2019 23:50:21

Middle Channel / 1RB



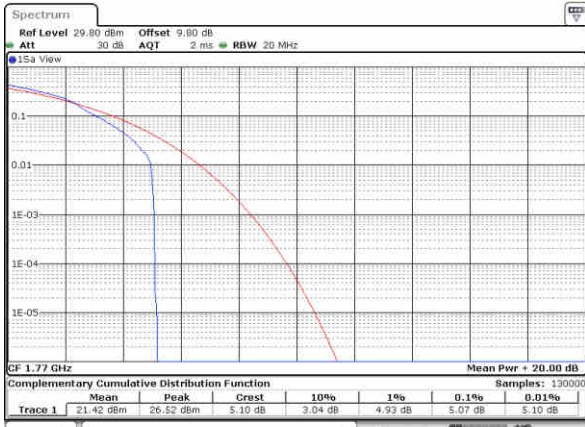
Date: 28.OCT.2019 23:58:27

Middle Channel / Full RB



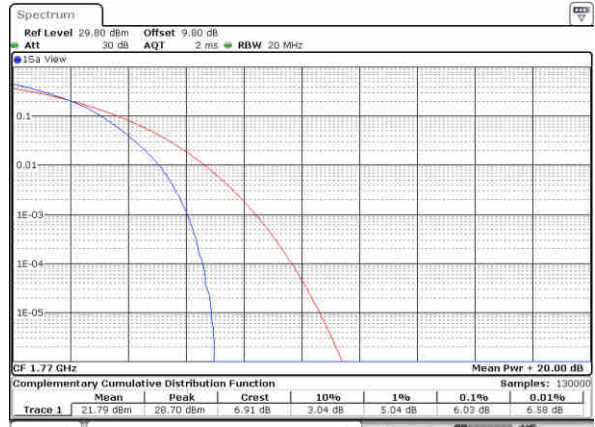
Date: 29.OCT.2019 00:00:31

Highest Channel / 1RB



Date: 28.OCT.2019 23:42:44

Highest Channel / Full RB

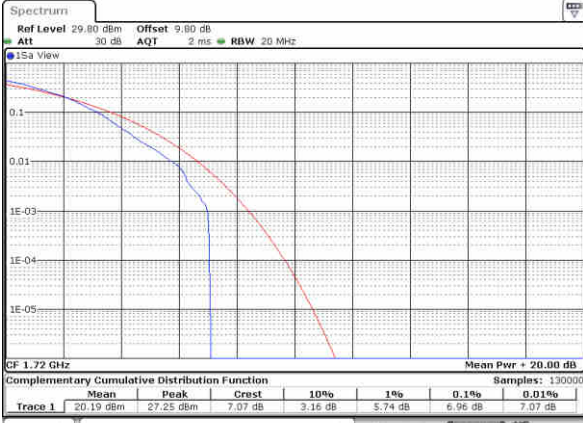


Date: 28.OCT.2019 23:46:15



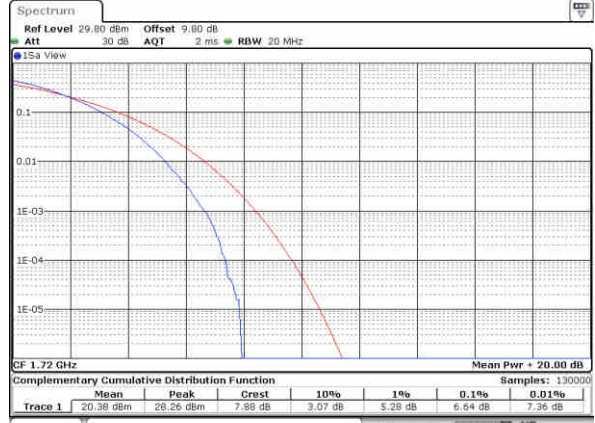
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



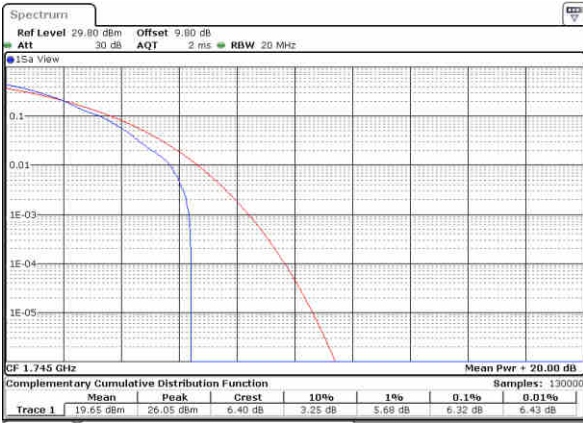
Date: 28.OCT.2019 23:51:43

Lowest Channel / Full RB



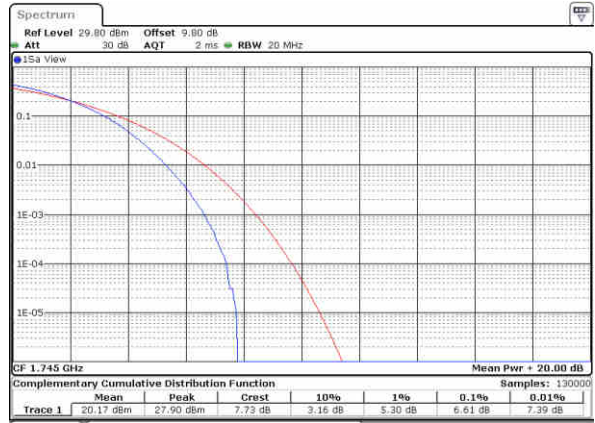
Date: 28.OCT.2019 23:51:00

Middle Channel / 1RB



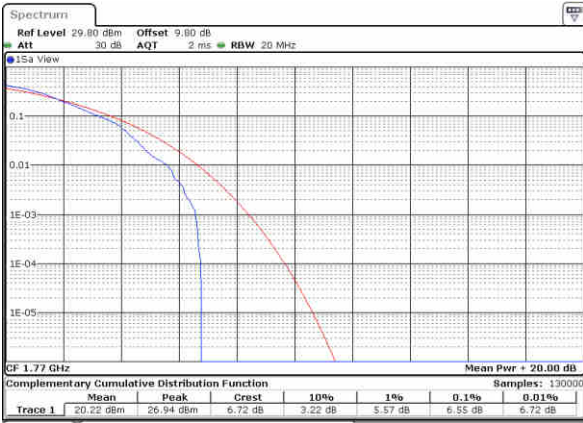
Date: 28.OCT.2019 23:58:09

Middle Channel / Full RB



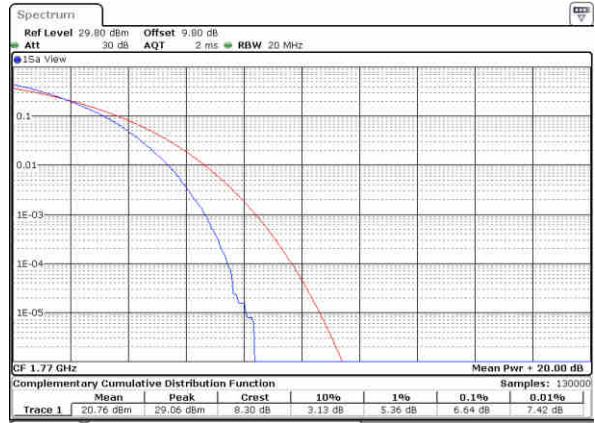
Date: 29.OCT.2019 00:00:57

Highest Channel / 1RB



Date: 28.OCT.2019 23:33:17

Highest Channel / Full RB



Date: 28.OCT.2019 23:46:59



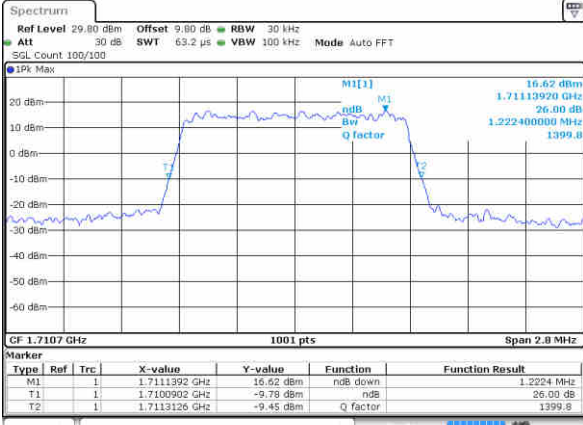
26dB Bandwidth

| Mode | LTE Band 66 : 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 | 1.2224 | 1.2364 | 3.033 | 3.0749 | 4.845 | 4.915 | 9.89 | 9.71 | 14.476 | 14.296 | 20.34 | 20.18 |
| Middle CH | 1.2336 | 1.2084 | 3.021 | 3.0509 | 4.895 | 4.935 | 9.85 | 9.77 | 14.386 | 14.176 | 20.18 | 20.22 |
| Highest CH | 1.2196 | 1.2364 | 3.015 | 2.997 | 4.995 | 4.905 | 9.83 | 9.79 | 14.505 | 14.476 | 20.22 | 20.18 |
| Mode | LTE Band 66 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | | 64QAM | |
| Lowest CH | 1.2364 | | 3.027 | | 4.915 | | 9.83 | | 14.296 | | 20.30 | |
| Middle CH | 1.2364 | | 3.027 | | 4.915 | | 9.75 | | 14.206 | | 20.14 | |
| Highest CH | 1.2168 | | 3.009 | | 4.895 | | 9.75 | | 14.446 | | 20.30 | |



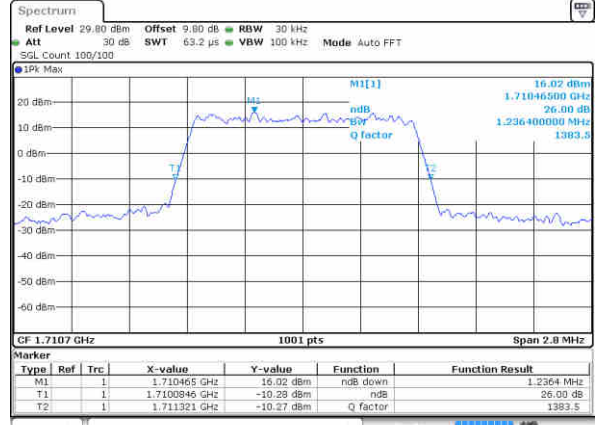
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



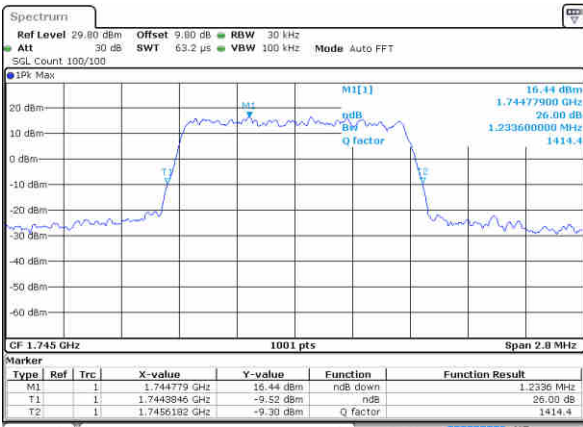
Date: 30.OCT.2019 20:41:01

Lowest Channel / 1.4MHz / 16QAM



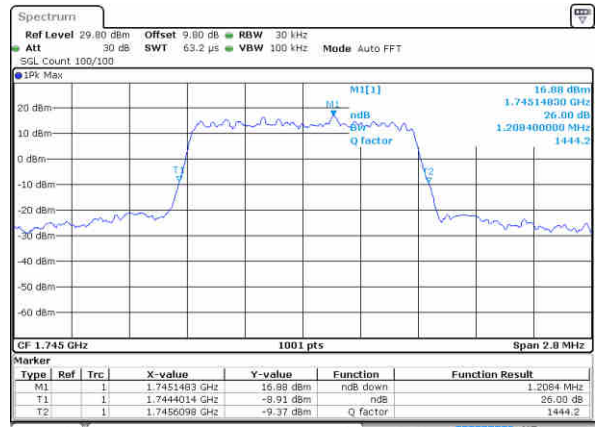
Date: 30.OCT.2019 20:39:36

Middle Channel / 1.4MHz / QPSK



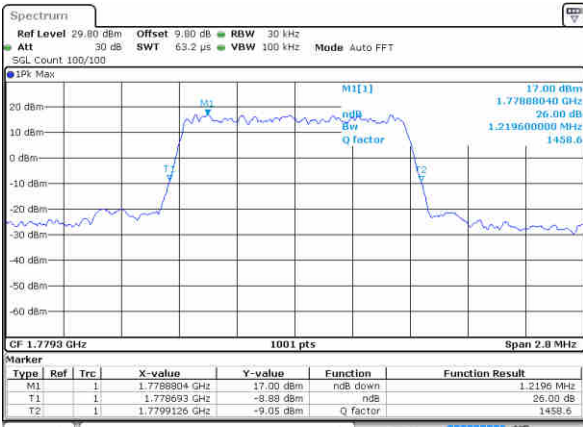
Date: 30.OCT.2019 20:10:20

Middle Channel / 1.4MHz / 16QAM



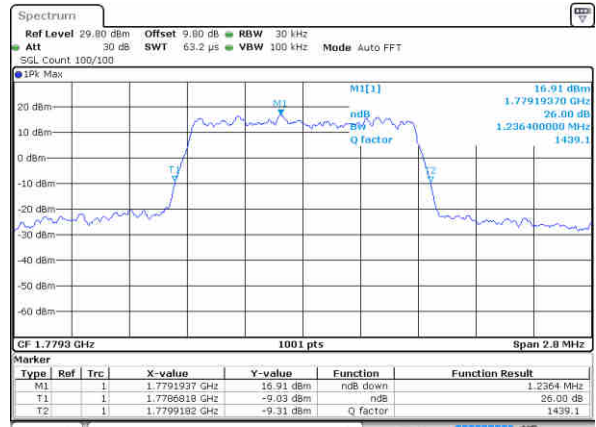
Date: 30.OCT.2019 20:10:41

Highest Channel / 1.4MHz / QPSK



Date: 30.OCT.2019 20:42:59

Highest Channel / 1.4MHz / 16QAM

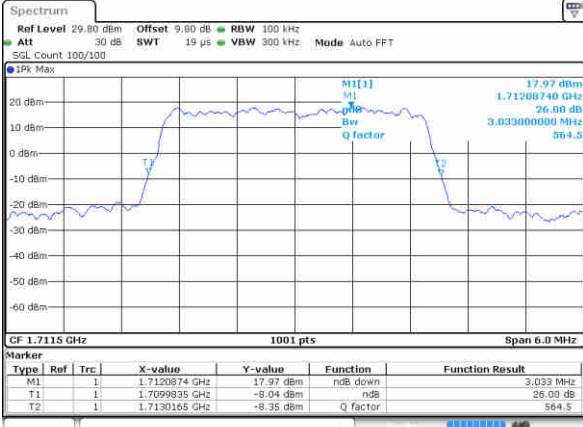


Date: 30.OCT.2019 20:44:28



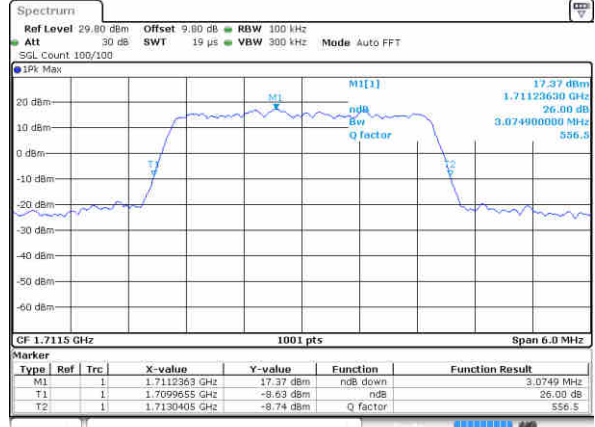
LTE Band 66

Lowest Channel / 3MHz / QPSK



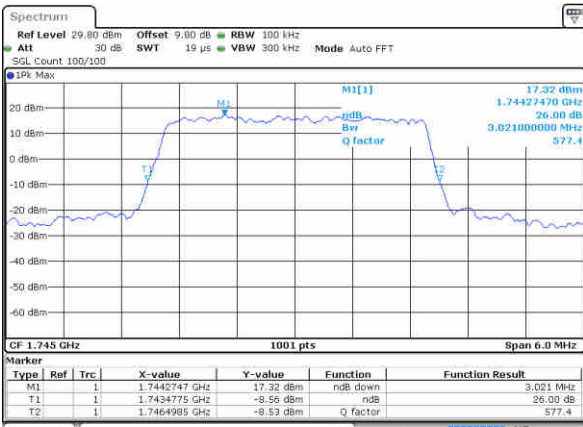
Date: 30.OCT.2019 19:58:08

Lowest Channel / 3MHz / 16QAM



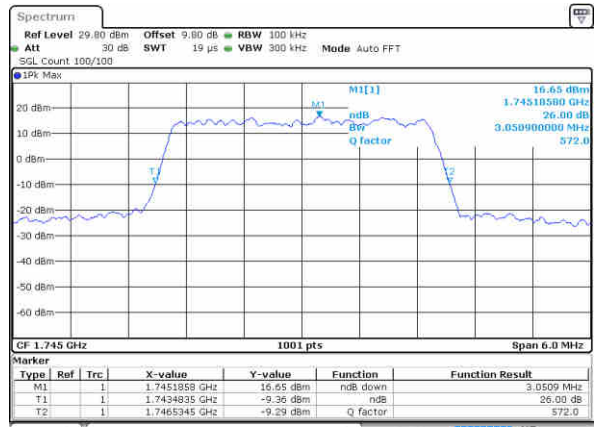
Date: 30.OCT.2019 19:59:01

Middle Channel / 3MHz / QPSK



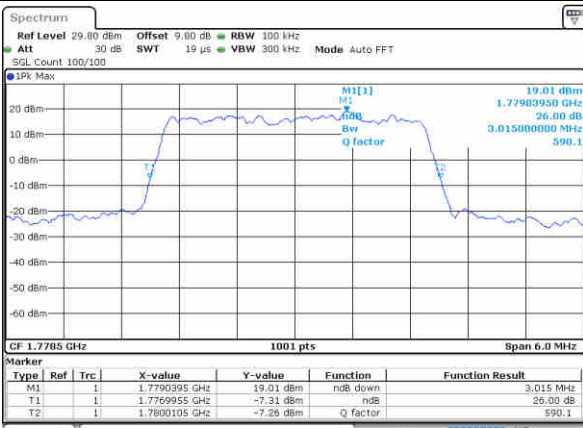
Date: 30.OCT.2019 19:49:13

Middle Channel / 3MHz / 16QAM



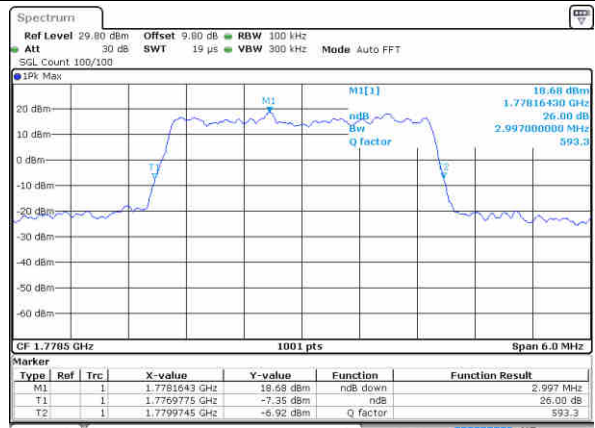
Date: 30.OCT.2019 19:48:47

Highest Channel / 3MHz / QPSK



Date: 30.OCT.2019 20:03:23

Highest Channel / 3MHz / 16QAM

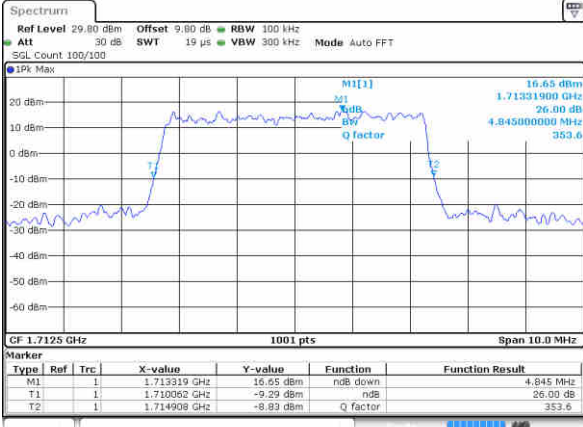


Date: 30.OCT.2019 20:02:28



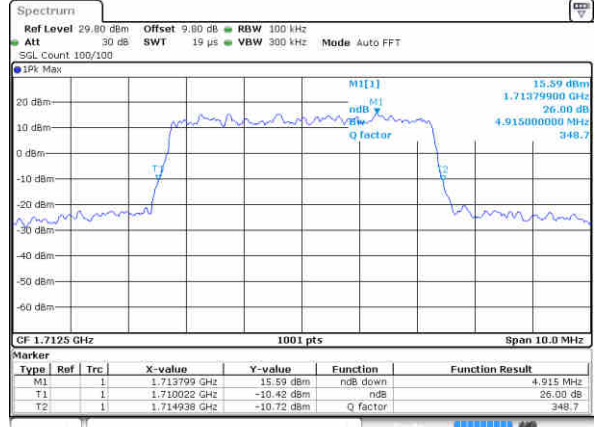
LTE Band 66

Lowest Channel / 5MHz / QPSK



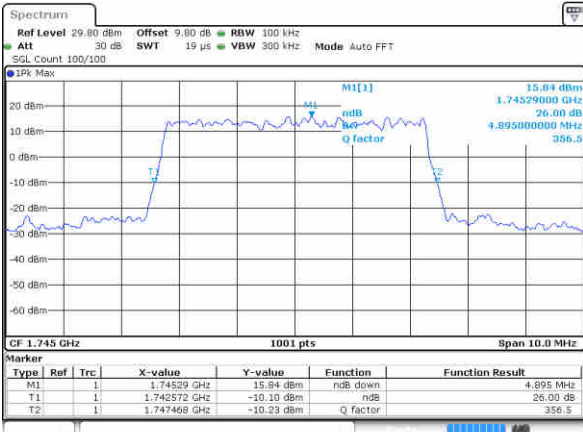
Date: 30.OCT.2019 19:39:30

Lowest Channel / 5MHz / 16QAM



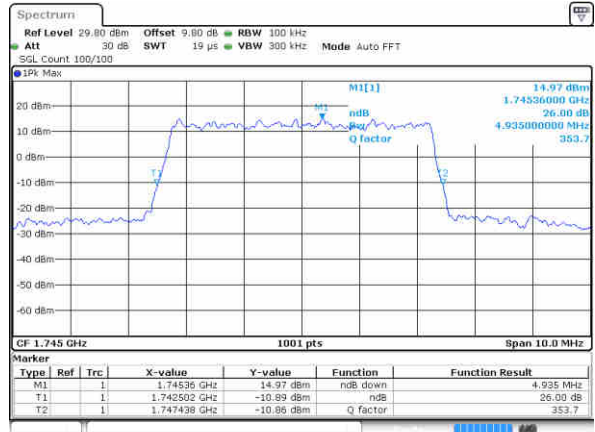
Date: 30.OCT.2019 19:38:56

Middle Channel / 5MHz / QPSK



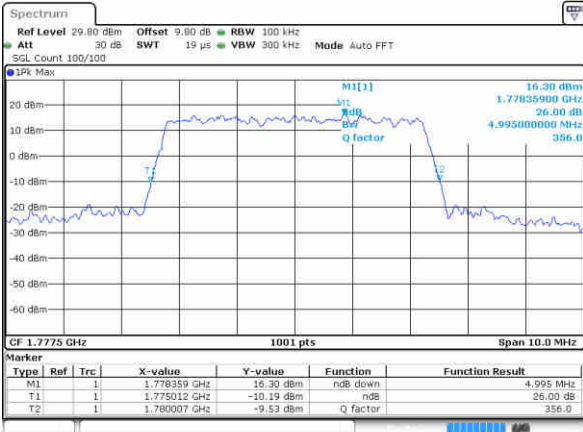
Date: 30.OCT.2019 19:14:34

Middle Channel / 5MHz / 16QAM



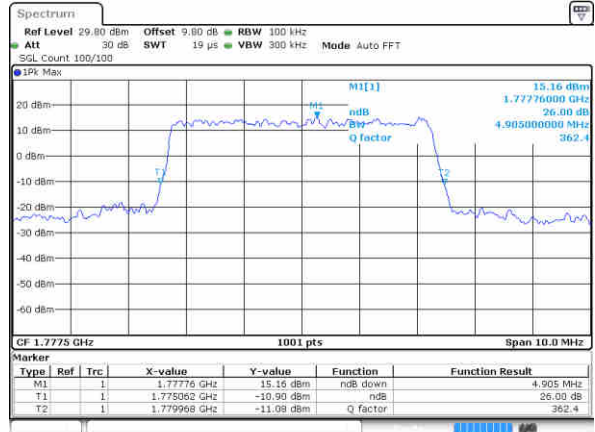
Date: 30.OCT.2019 19:14:52

Highest Channel / 5MHz / QPSK



Date: 30.OCT.2019 19:41:11

Highest Channel / 5MHz / 16QAM

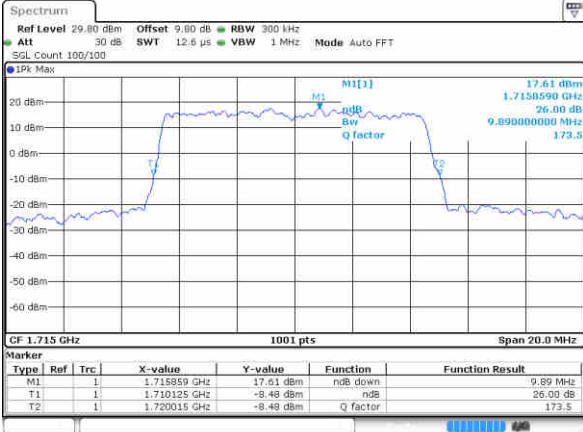


Date: 30.OCT.2019 19:41:48



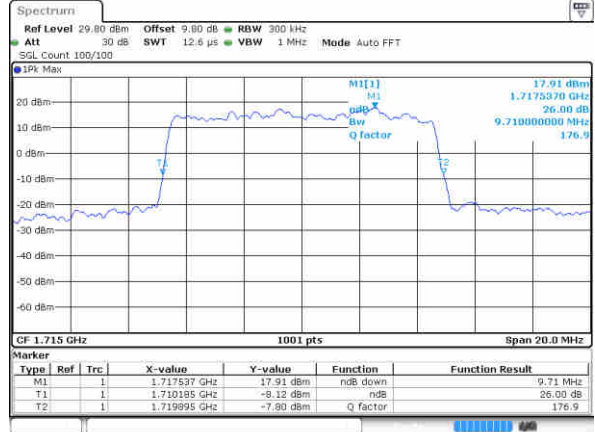
LTE Band 66

Lowest Channel / 10MHz / QPSK



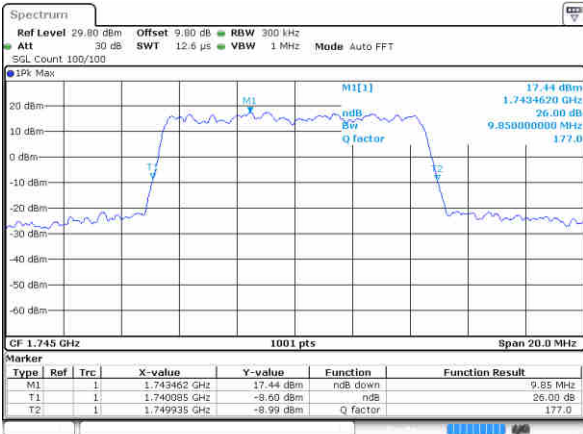
Date: 29 OCT 2019 01:04:44

Lowest Channel / 10MHz / 16QAM



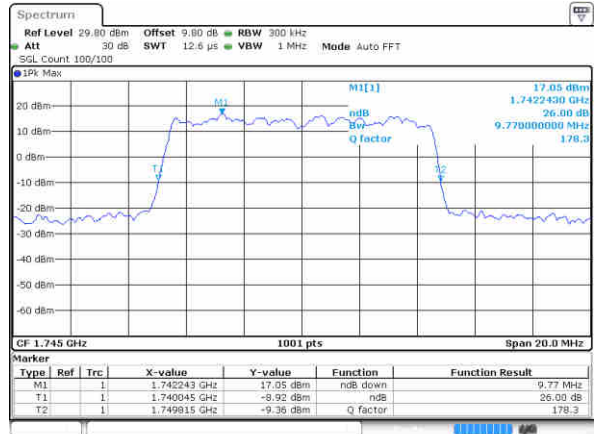
Date: 29 OCT 2019 01:04:01

Middle Channel / 10MHz / QPSK



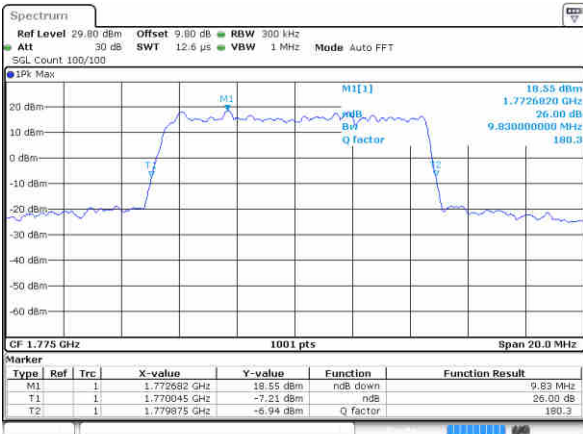
Date: 29 OCT 2019 00:53:59

Middle Channel / 10MHz / 16QAM



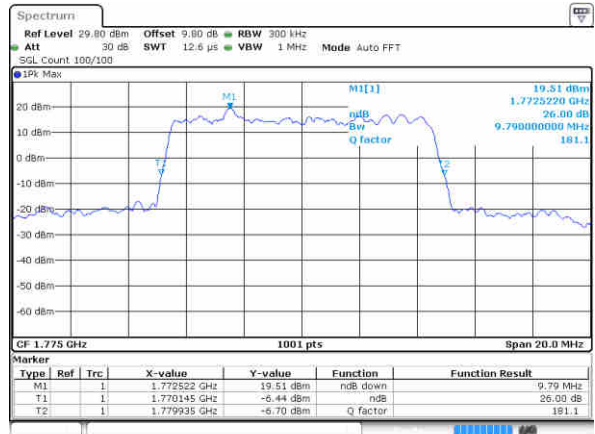
Date: 29 OCT 2019 00:55:21

Highest Channel / 10MHz / QPSK



Date: 29 OCT 2019 01:08:01

Highest Channel / 10MHz / 16QAM

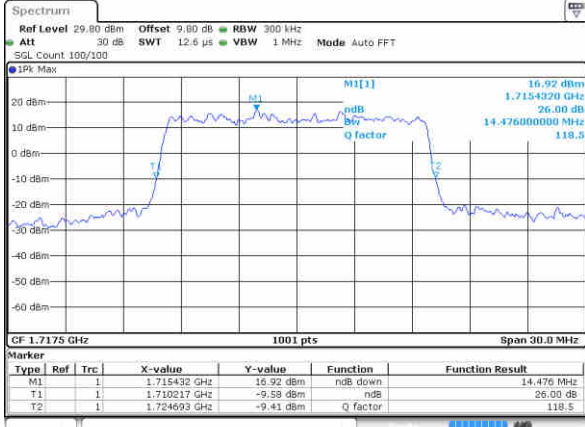


Date: 29 OCT 2019 01:08:42



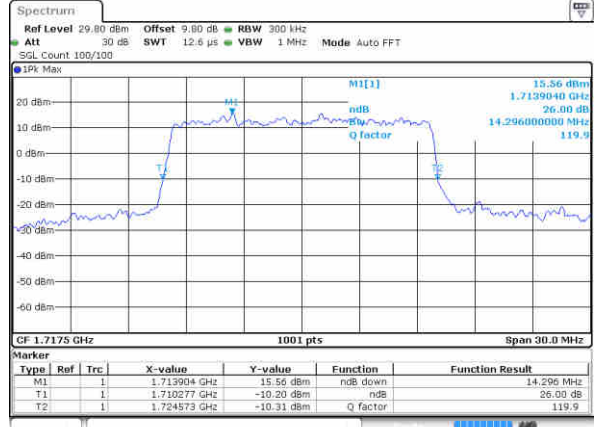
LTE Band 66

Lowest Channel / 15MHz / QPSK



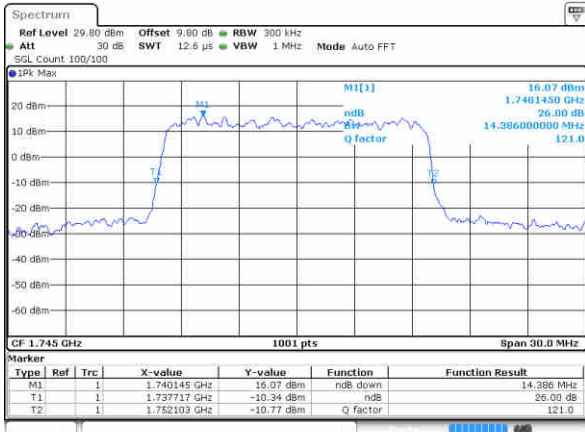
Date: 29 OCT 2019 00:42:17

Lowest Channel / 15MHz / 16QAM



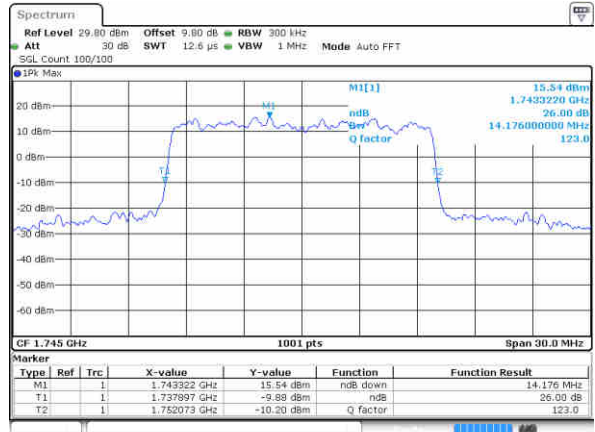
Date: 29 OCT 2019 00:42:48

Middle Channel / 15MHz / QPSK



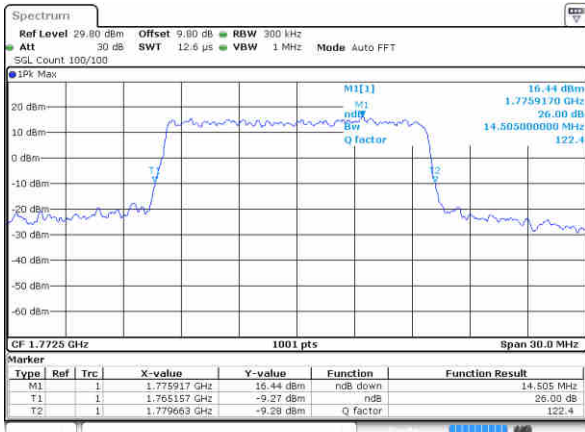
Date: 29 OCT 2019 00:03:09

Middle Channel / 15MHz / 16QAM



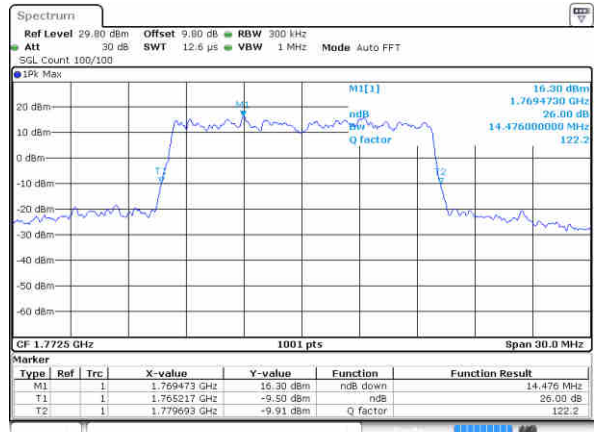
Date: 29 OCT 2019 00:02:53

Highest Channel / 15MHz / QPSK



Date: 29 OCT 2019 00:47:23

Highest Channel / 15MHz / 16QAM



Date: 29 OCT 2019 00:45:59