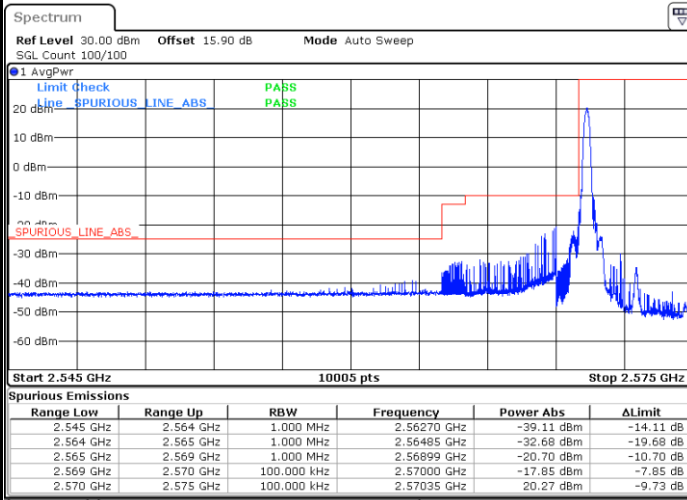




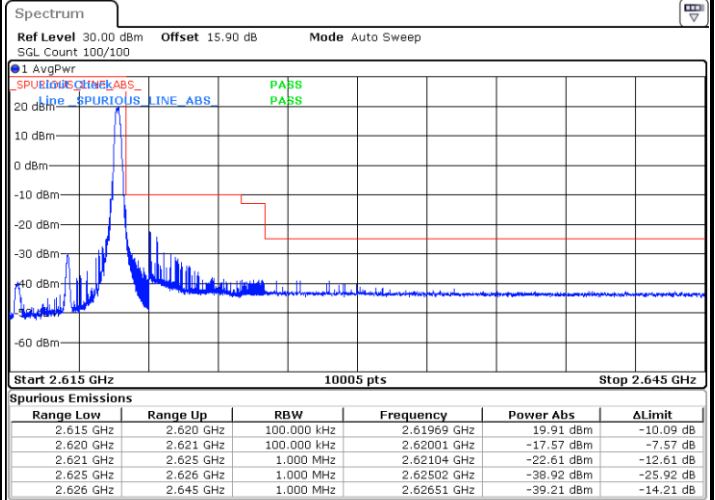
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



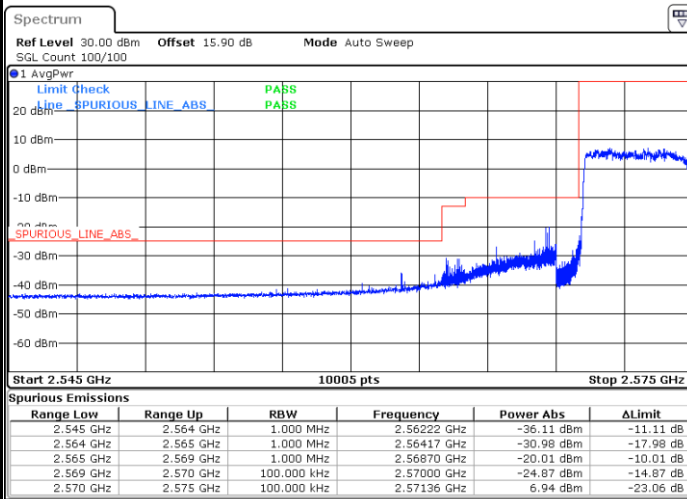
Date: 2.FEB.2018 00:42:53

Highest Band Edge / 1 RB



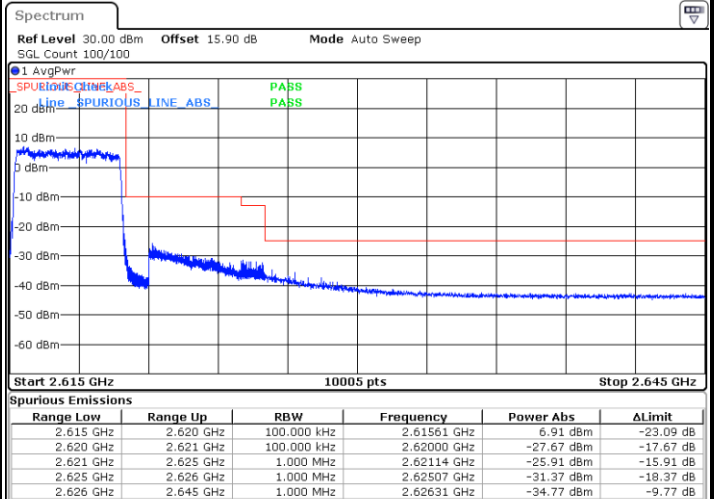
Date: 2.FEB.2018 00:46:21

Lowest Band Edge / Full RB



Date: 2.FEB.2018 00:44:03

Highest Band Edge / Full RB

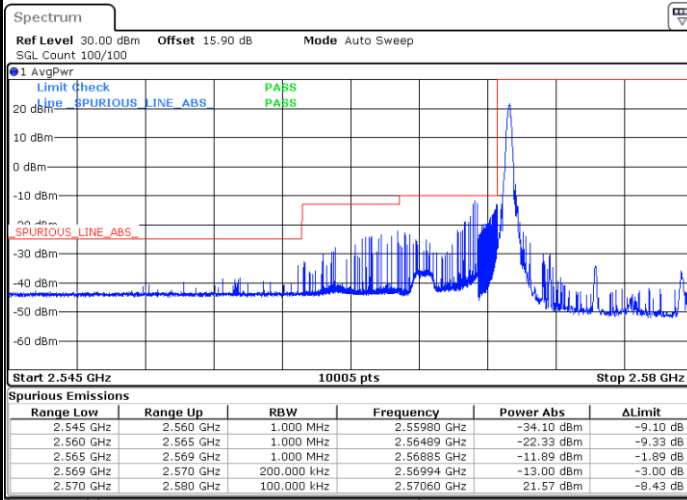


Date: 2.FEB.2018 00:45:12



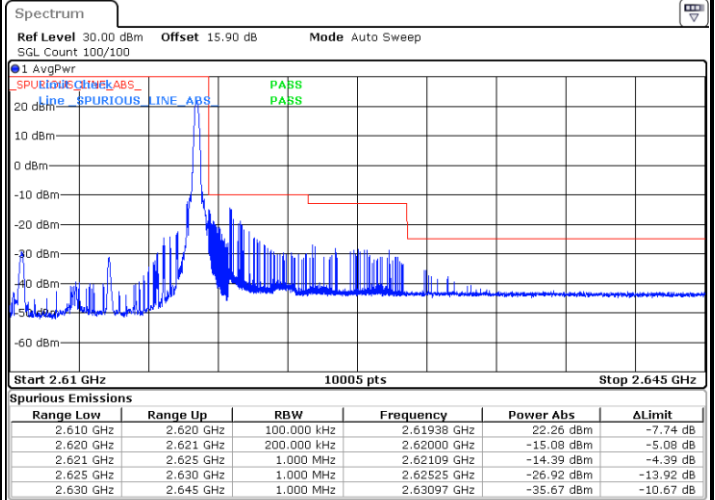
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB



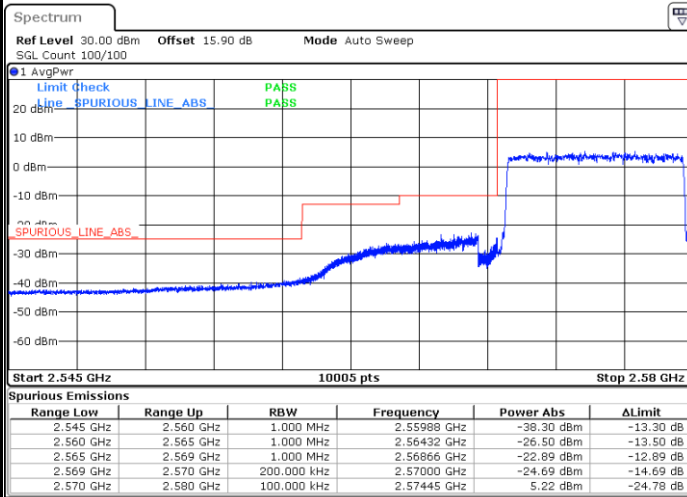
Date: 7. JAN.2018 02:24:10

Highest Band Edge / 1 RB



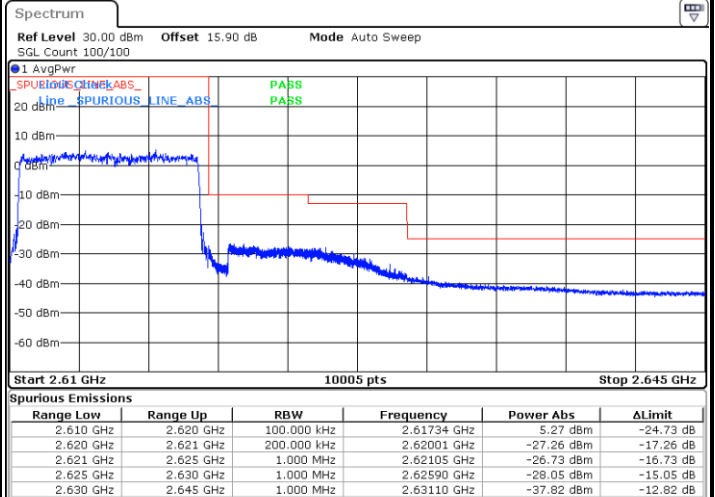
Date: 7. JAN.2018 02:31:05

Lowest Band Edge / Full RB



Date: 7. JAN.2018 02:26:28

Highest Band Edge / Full RB

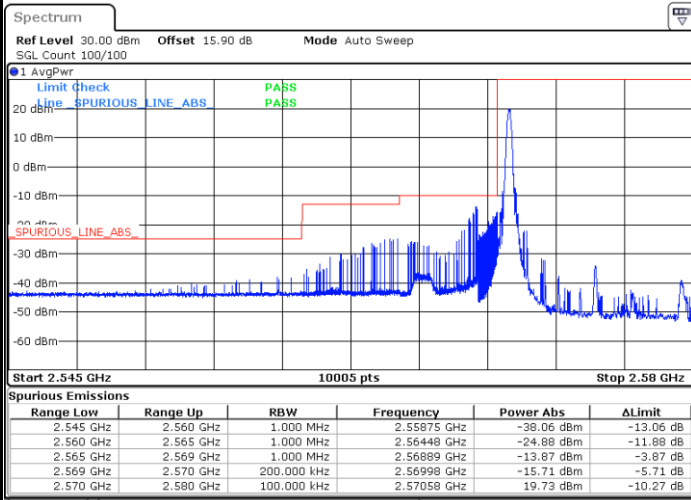


Date: 7. JAN.2018 02:28:47



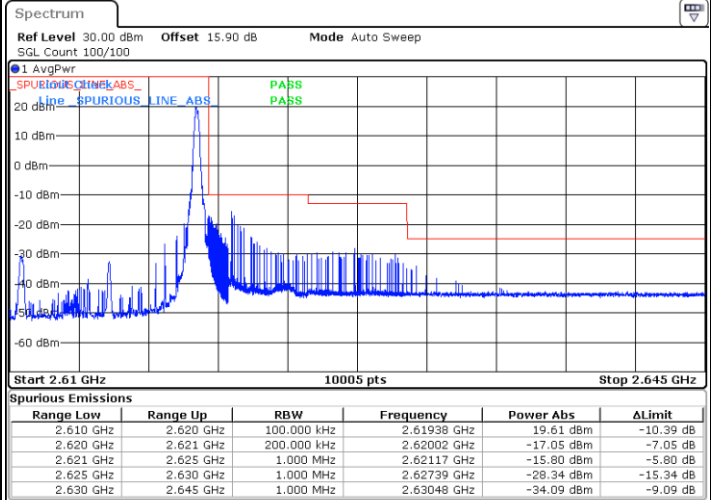
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



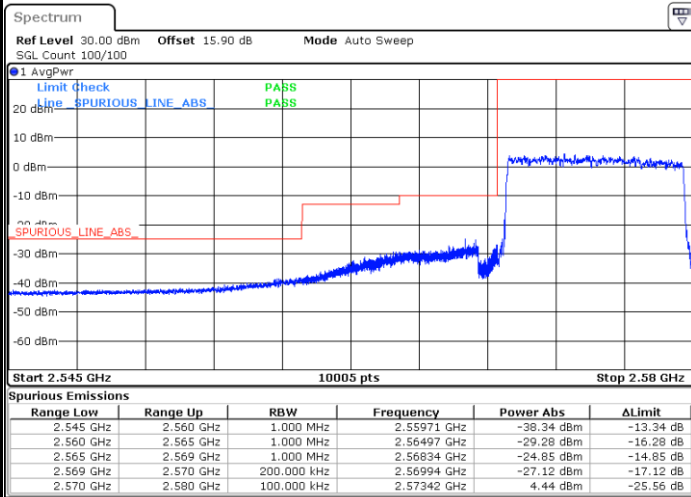
Date: 7. JAN.2018 02:25:19

Highest Band Edge / 1 RB



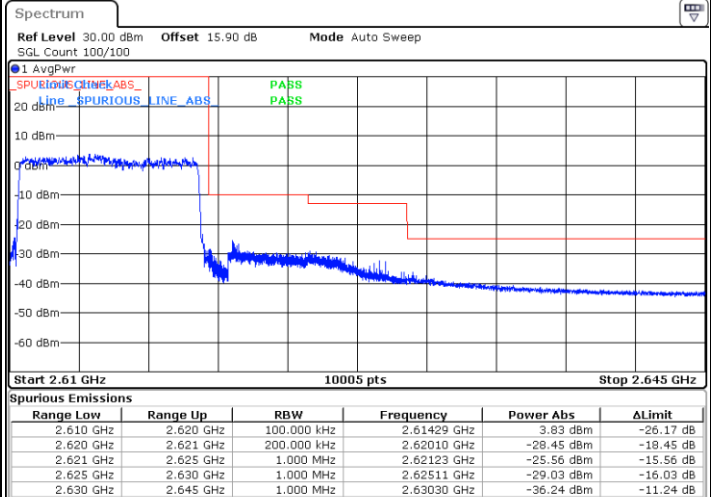
Date: 7. JAN.2018 02:32:15

Lowest Band Edge / Full RB



Date: 7. JAN.2018 02:27:38

Highest Band Edge / Full RB

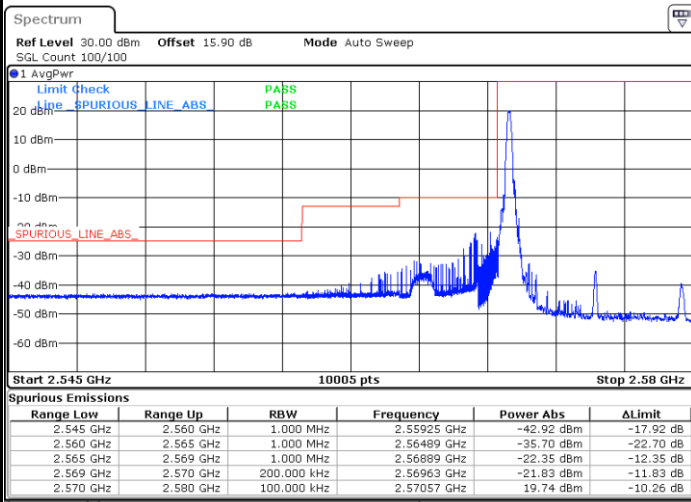


Date: 7. JAN.2018 02:29:56



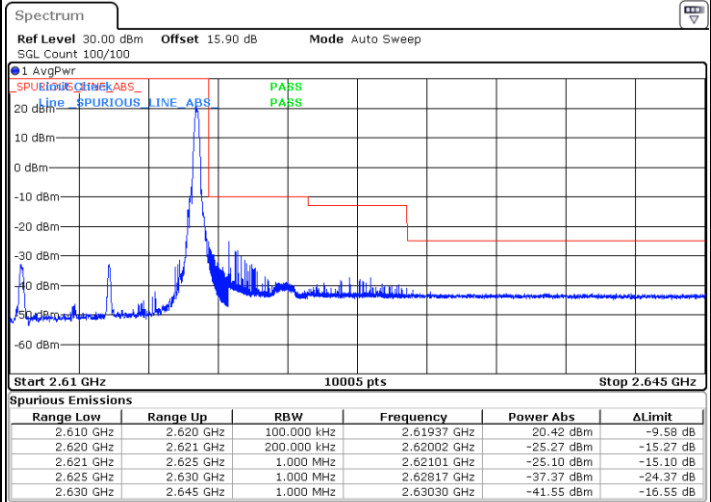
LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



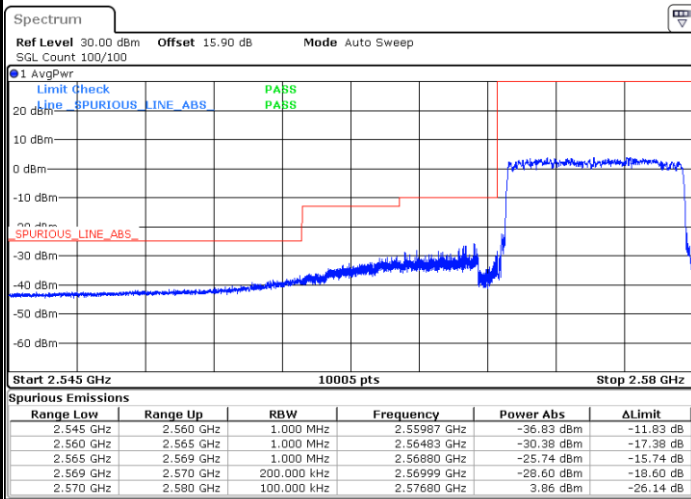
Date: 2.FEB.2018 00:47:31

Highest Band Edge / 1 RB



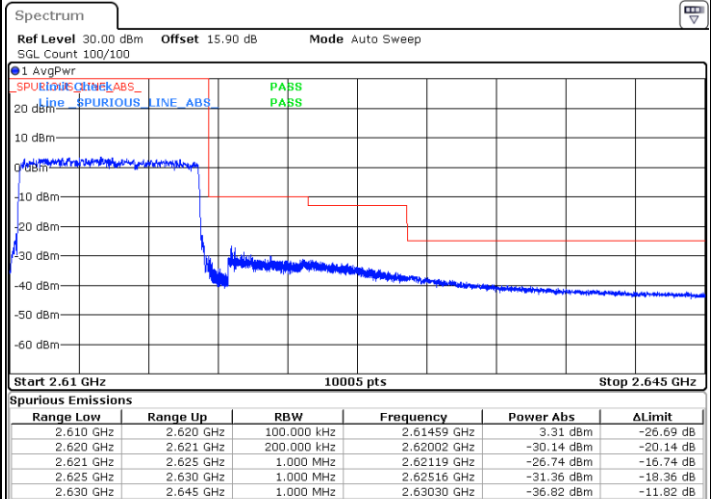
Date: 2.FEB.2018 00:50:59

Lowest Band Edge / Full RB



Date: 2.FEB.2018 00:48:40

Highest Band Edge / Full RB

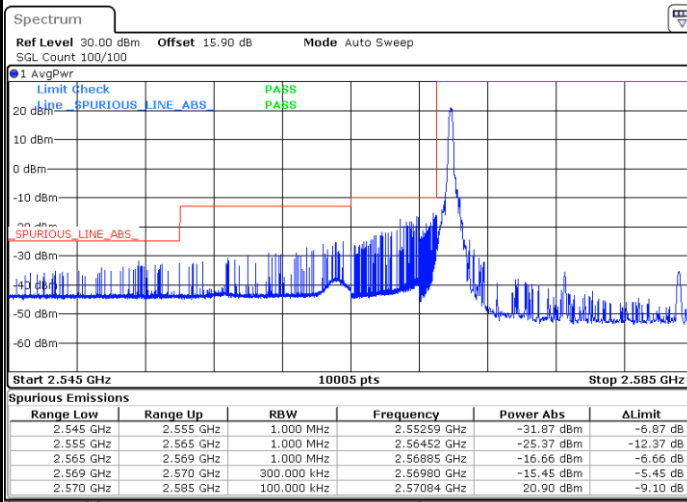


Date: 2.FEB.2018 00:49:49



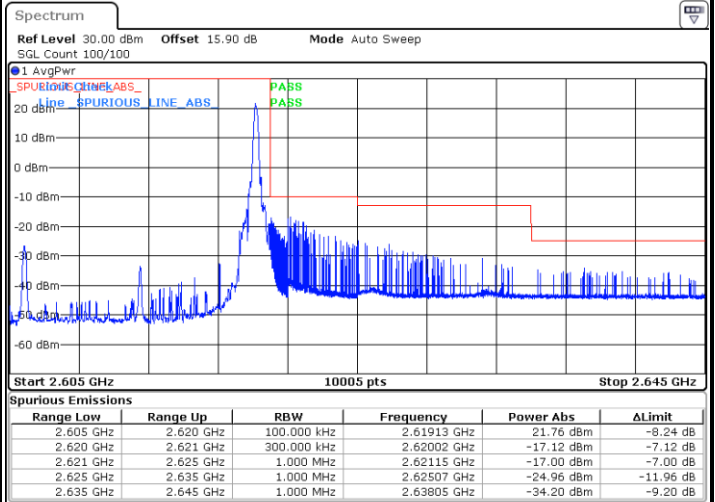
LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / 1 RB



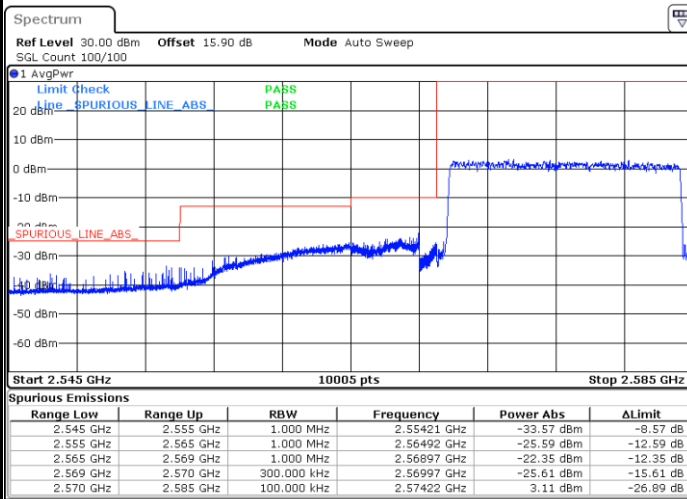
Date: 7. JAN.2018 02:33:24

Highest Band Edge / 1 RB



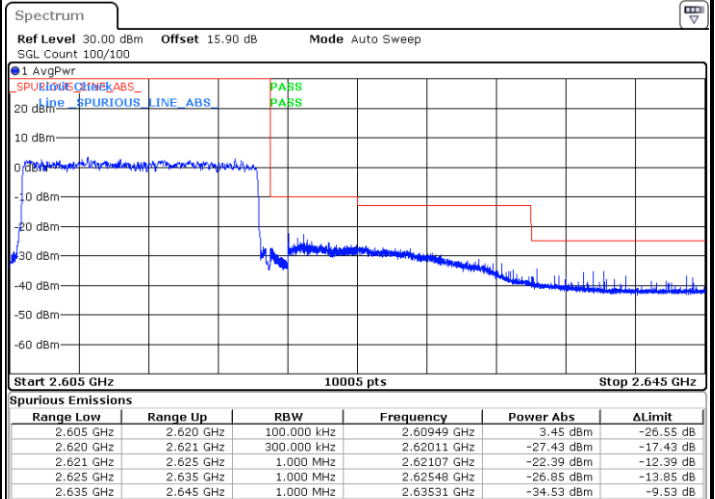
Date: 7. JAN.2018 02:40:20

Lowest Band Edge / Full RB



Date: 7. JAN.2018 02:35:43

Highest Band Edge / Full RB

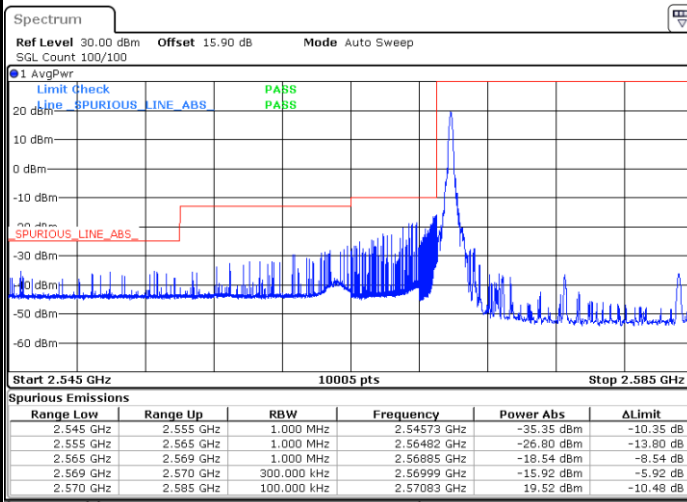


Date: 7. JAN.2018 02:38:02



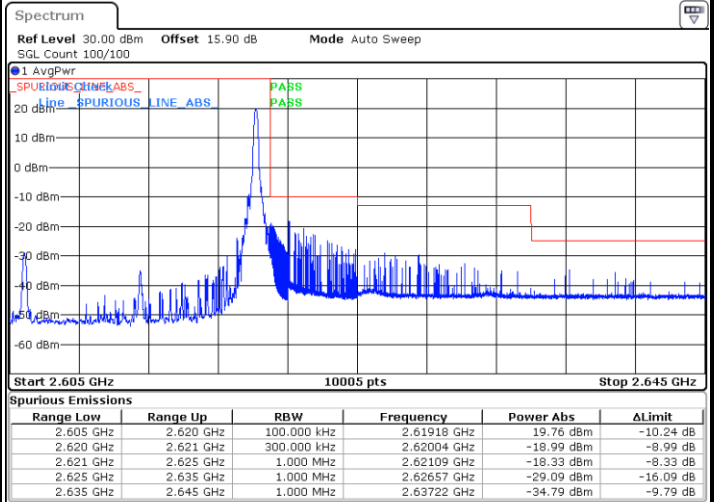
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



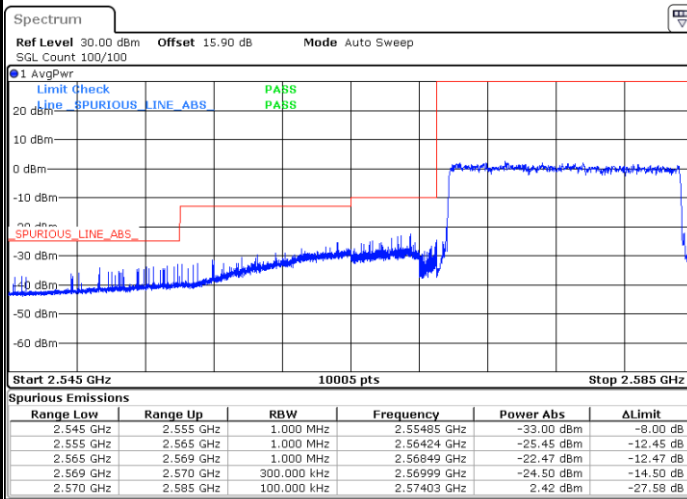
Date: 7.JAN.2018 02:34:33

Highest Band Edge / 1 RB



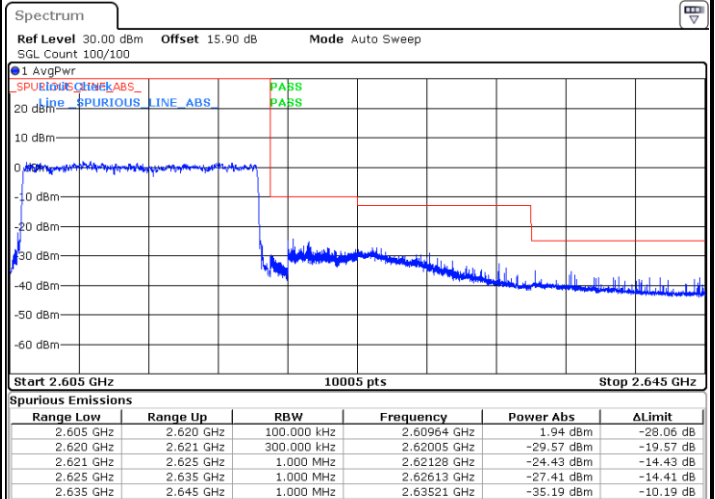
Date: 7.JAN.2018 02:41:30

Lowest Band Edge / Full RB



Date: 7.JAN.2018 02:36:52

Highest Band Edge / Full RB

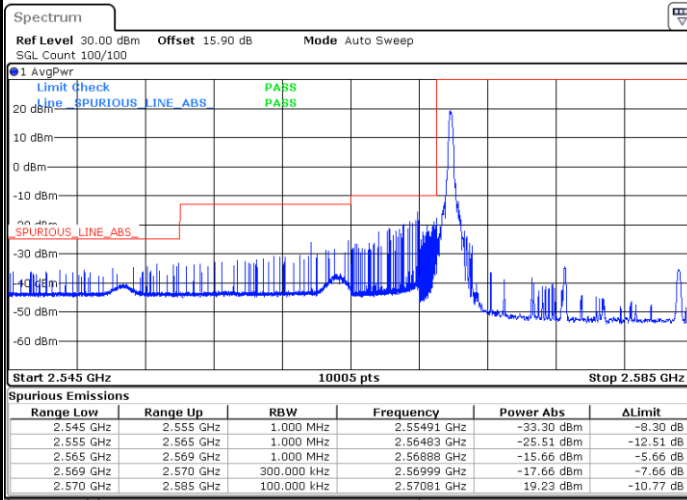


Date: 7.JAN.2018 02:39:11



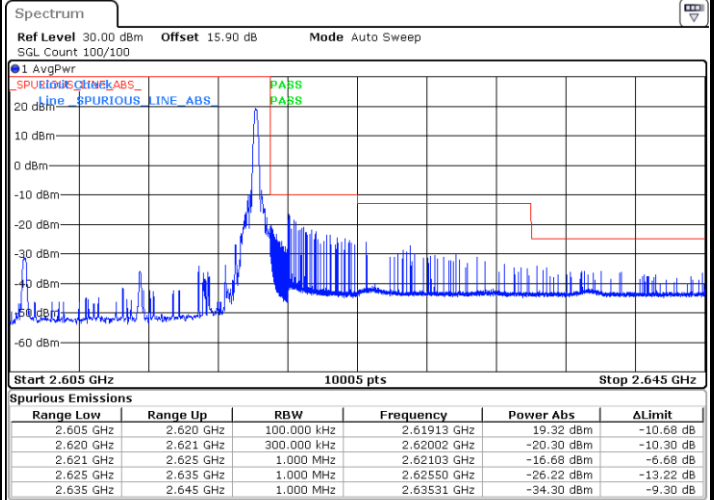
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



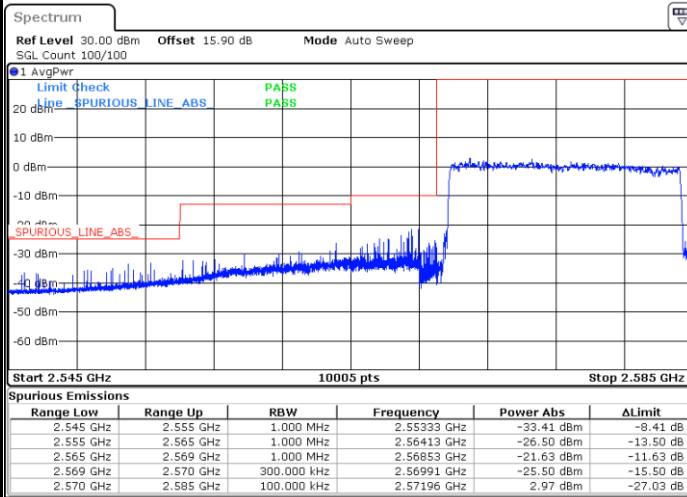
Date: 2.FEB.2018 00:56:55

Highest Band Edge / 1 RB



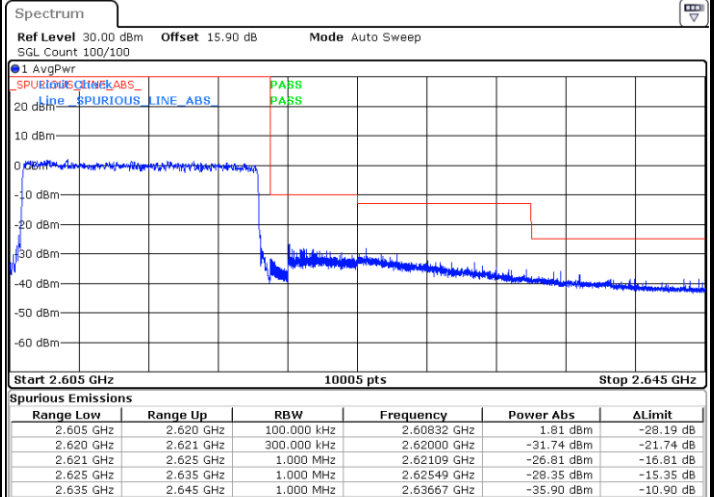
Date: 2.FEB.2018 01:00:23

Lowest Band Edge / Full RB



Date: 2.FEB.2018 00:58:04

Highest Band Edge / Full RB



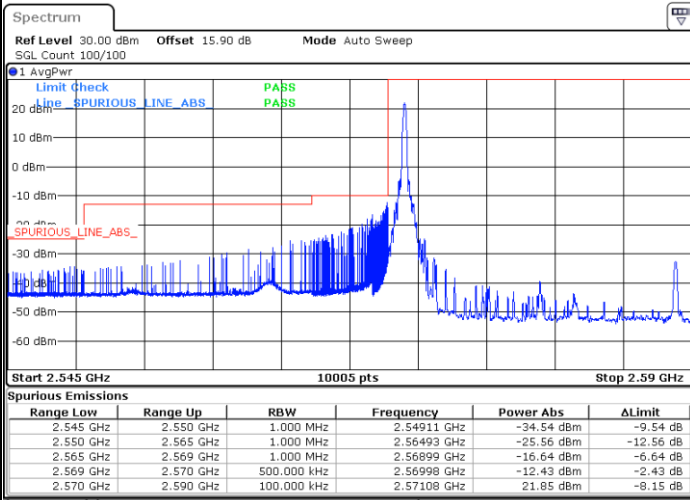
Date: 2.FEB.2018 00:59:13



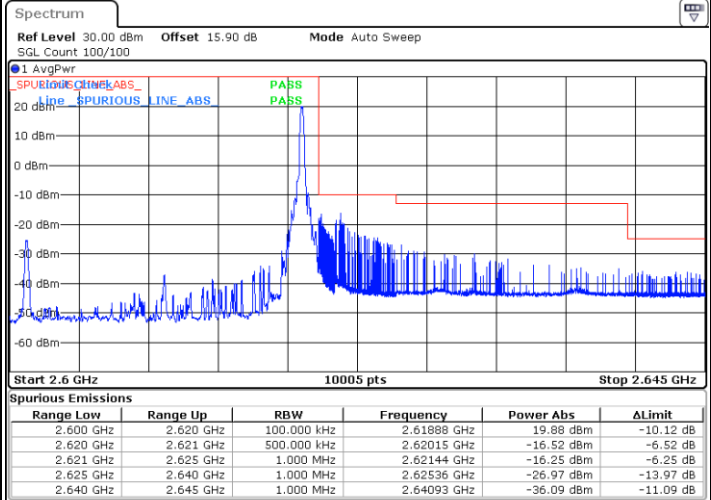
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



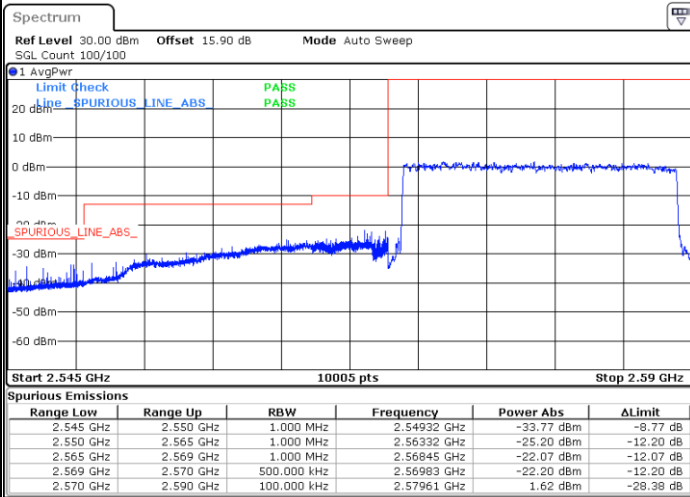
Date: 7.JAN.2018 02:42:39



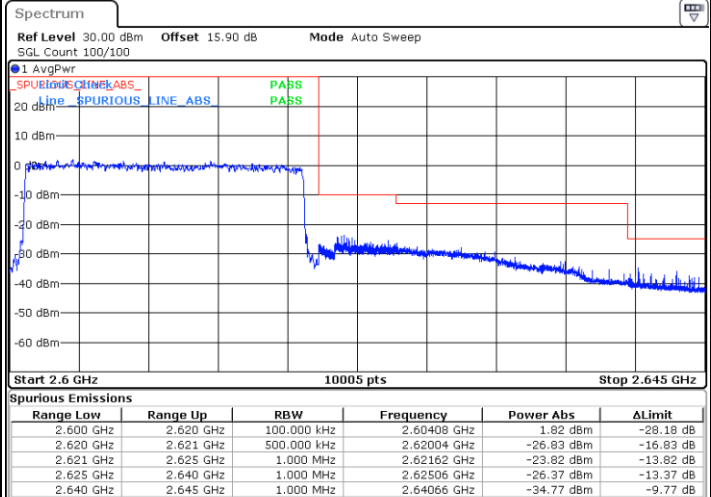
Date: 7.JAN.2018 02:50:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.JAN.2018 02:46:19

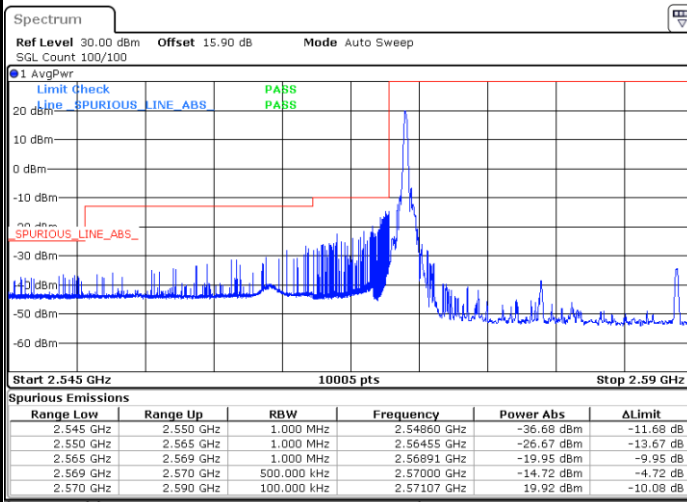


Date: 7.JAN.2018 02:48:38



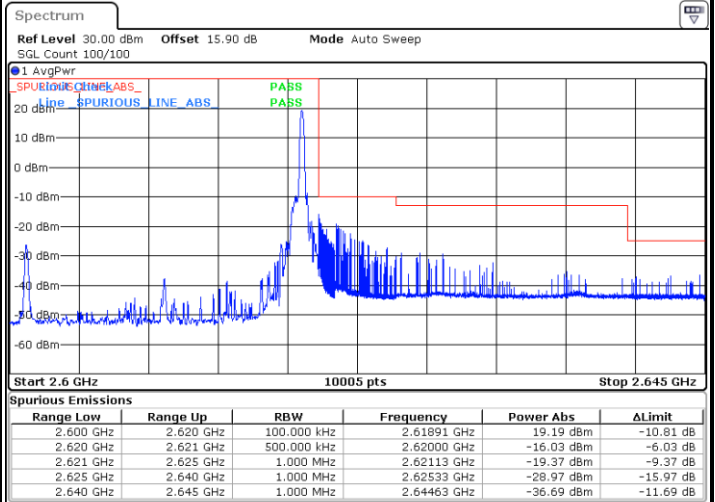
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



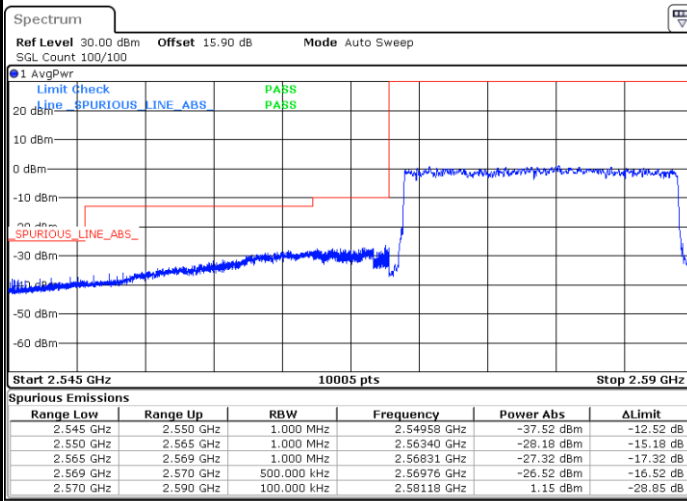
Date: 7.JAN.2018 02:43:48

Highest Band Edge / 1 RB



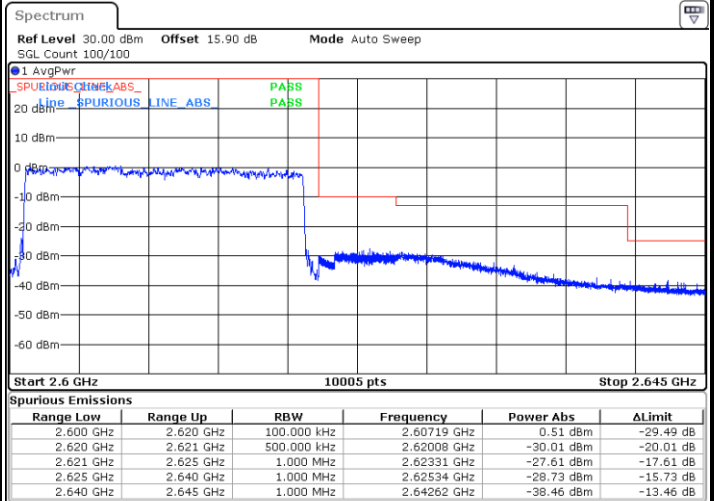
Date: 7.JAN.2018 02:52:06

Lowest Band Edge / Full RB



Date: 7.JAN.2018 02:47:28

Highest Band Edge / Full RB

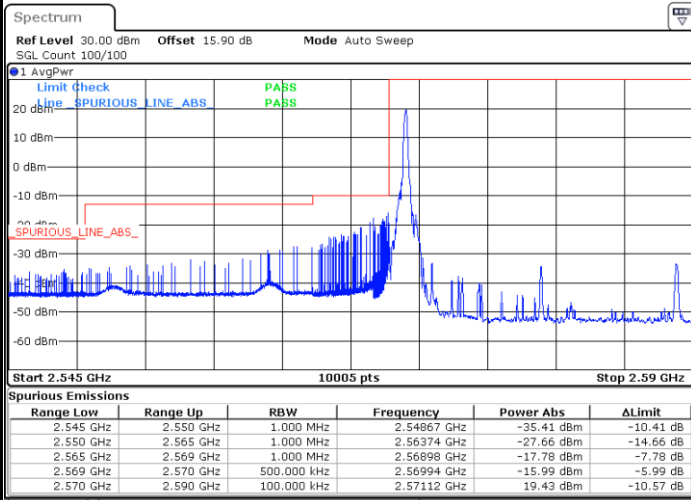


Date: 7.JAN.2018 02:49:47



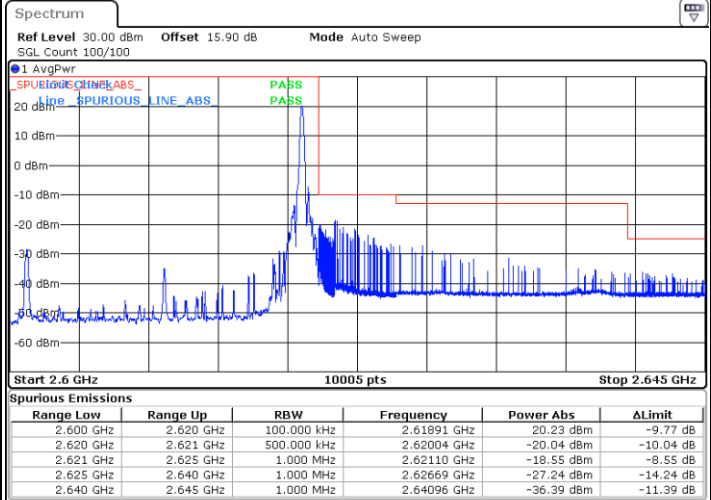
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



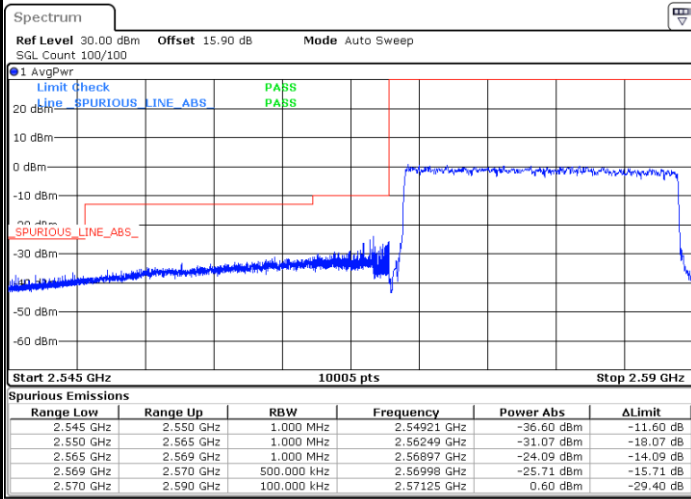
Date: 2.FEB.2018 01:01:32

Highest Band Edge / 1 RB



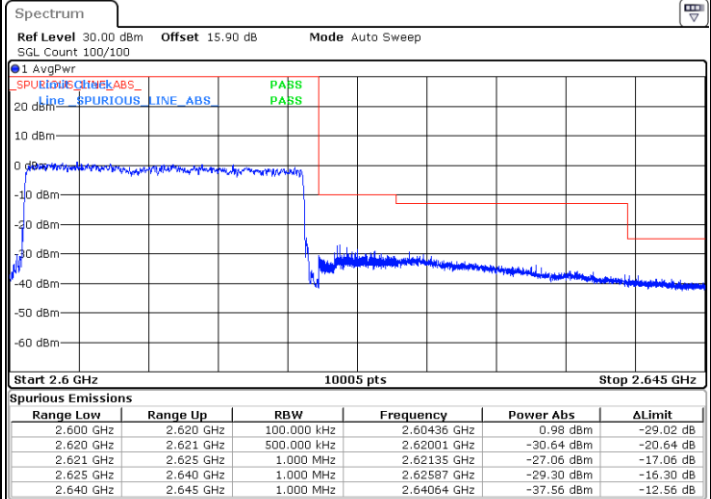
Date: 2.FEB.2018 01:05:00

Lowest Band Edge / Full RB



Date: 2.FEB.2018 01:02:41

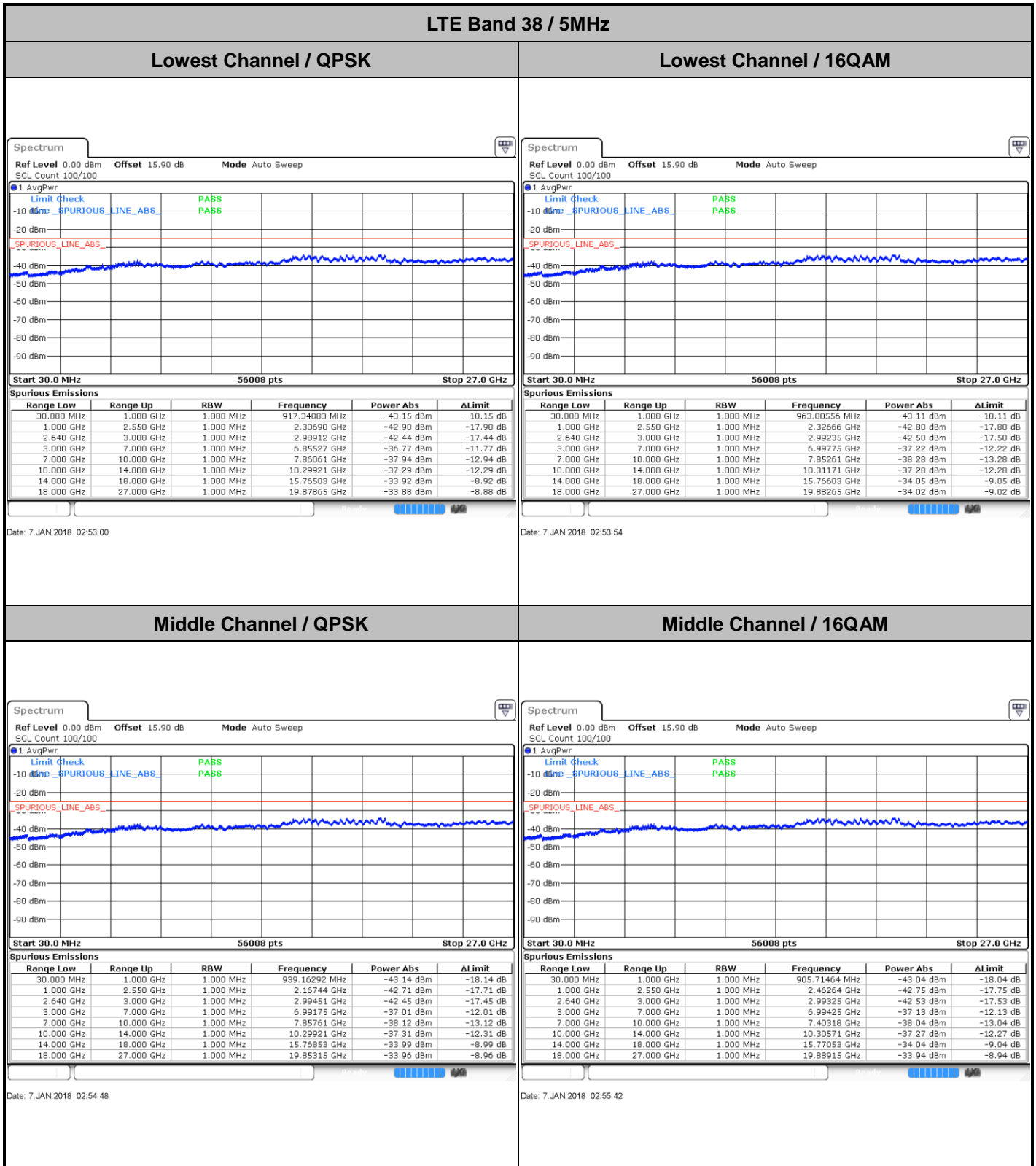
Highest Band Edge / Full RB



Date: 2.FEB.2018 01:03:51



Conducted Spurious Emission

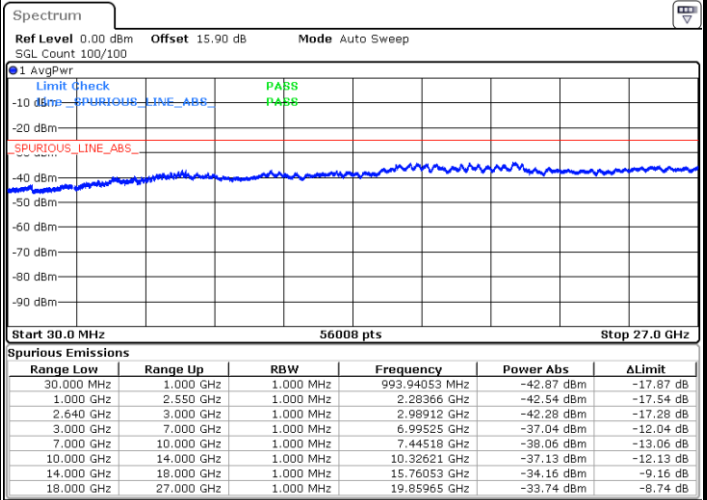
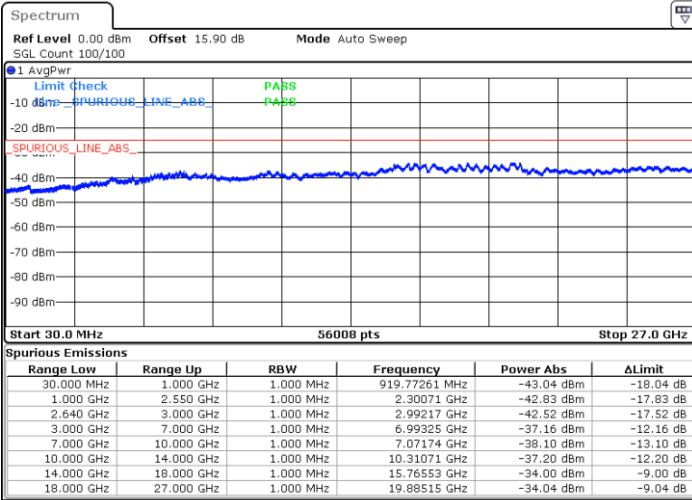




LTE Band 38 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



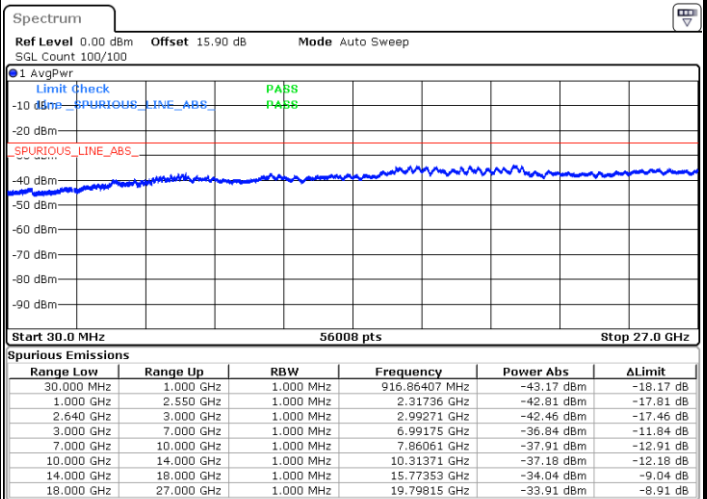
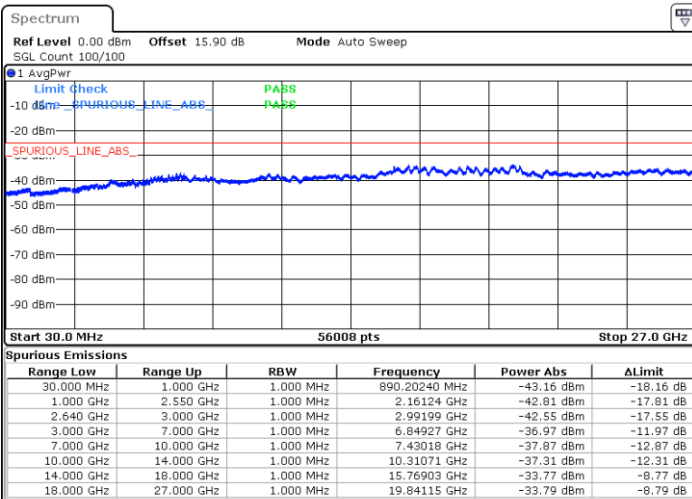
Date: 7.JAN 2018 02:56:36

Date: 7.JAN 2018 02:57:31

LTE Band 38 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 7.JAN 2018 02:58:25

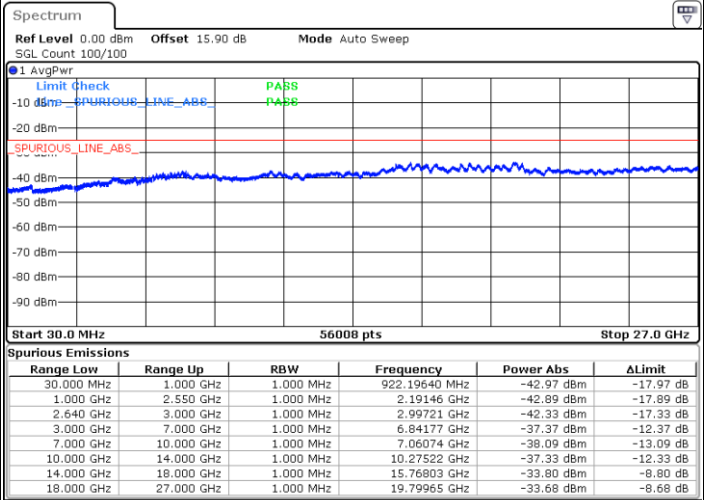
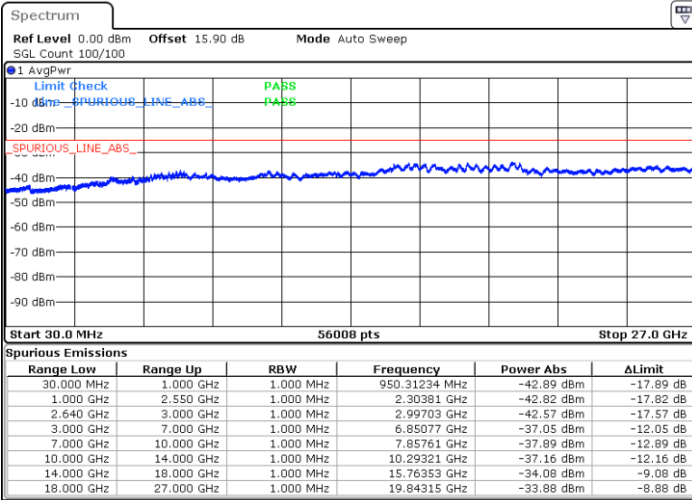
Date: 7.JAN 2018 02:59:19



LTE Band 38 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

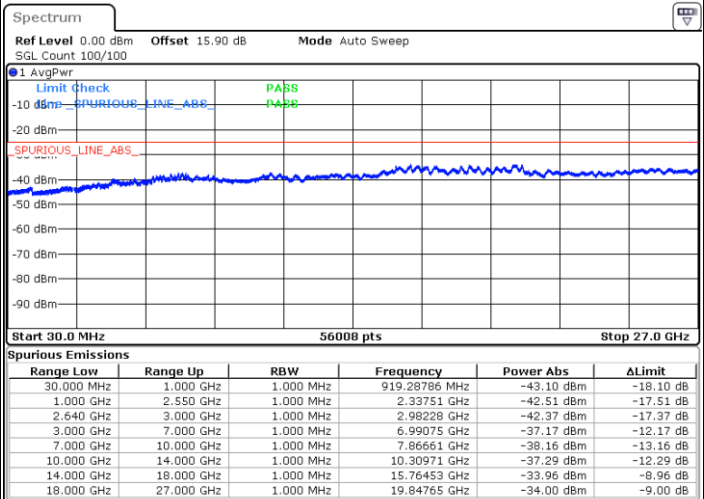
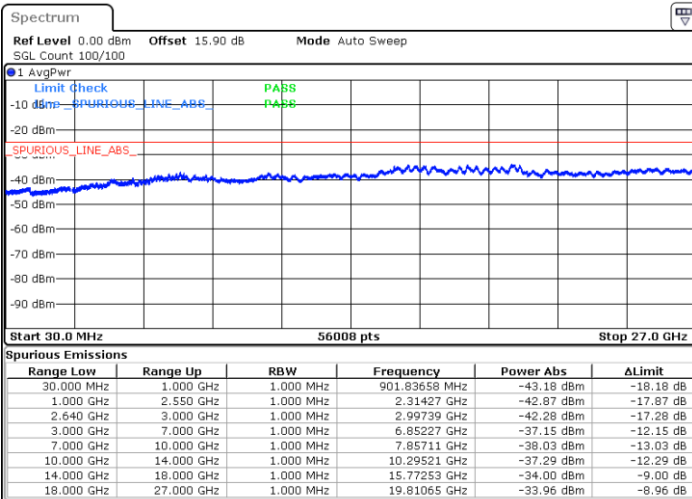


Date: 7. JAN 2018 03:00:13

Date: 7. JAN 2018 03:01:07

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7. JAN 2018 03:02:01

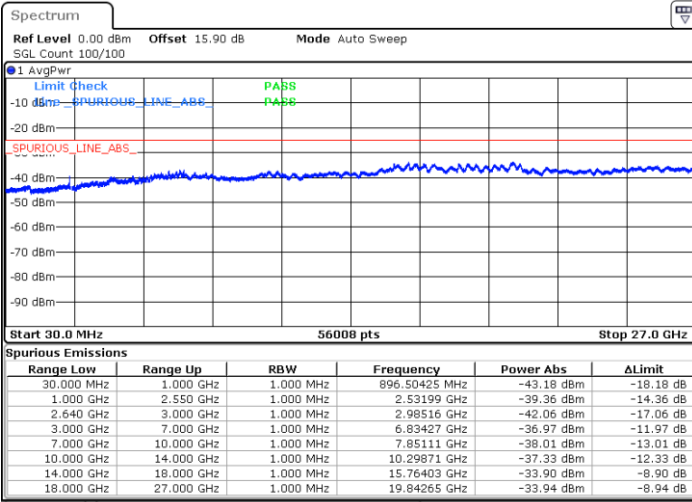
Date: 7. JAN 2018 03:02:56



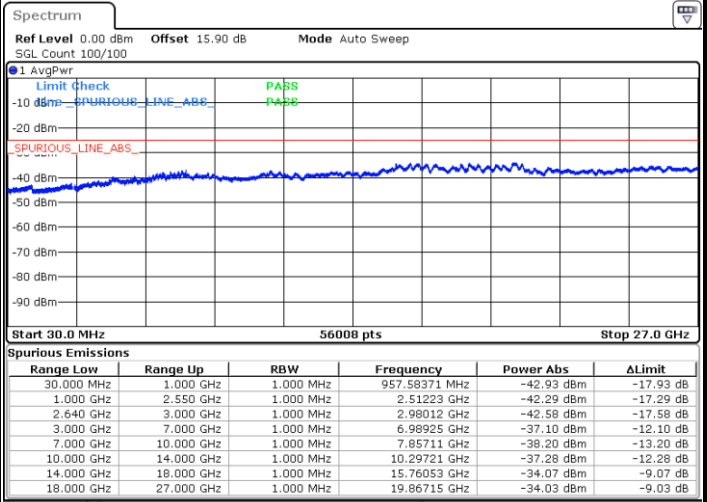
LTE Band 38 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



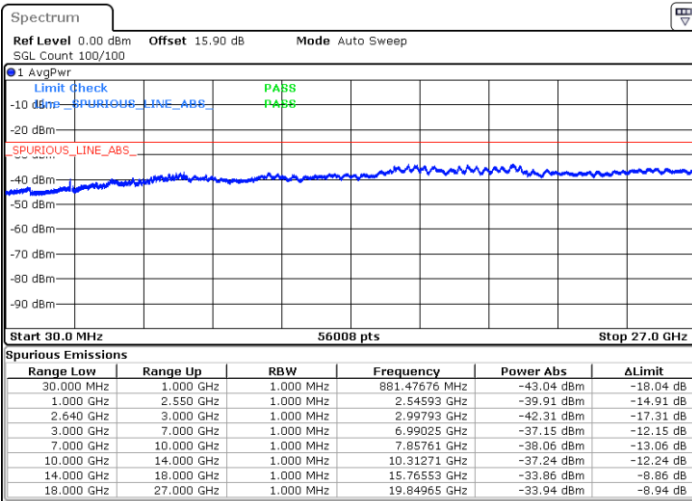
Date: 7. JAN 2018 03:03:50



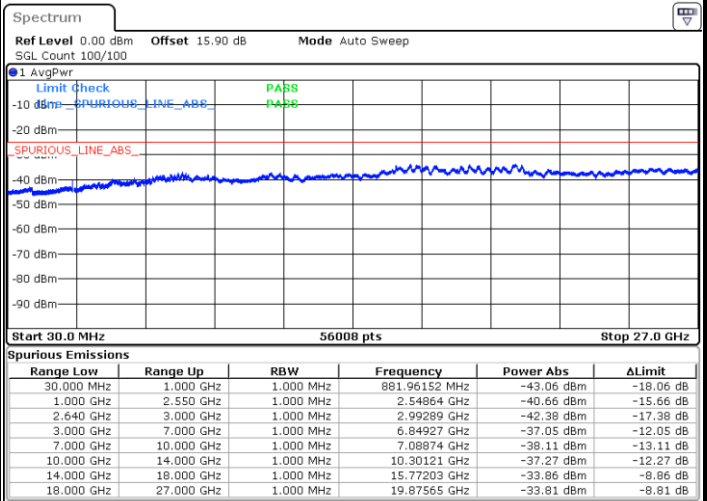
Date: 7. JAN 2018 03:04:44

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 7. JAN 2018 03:05:38



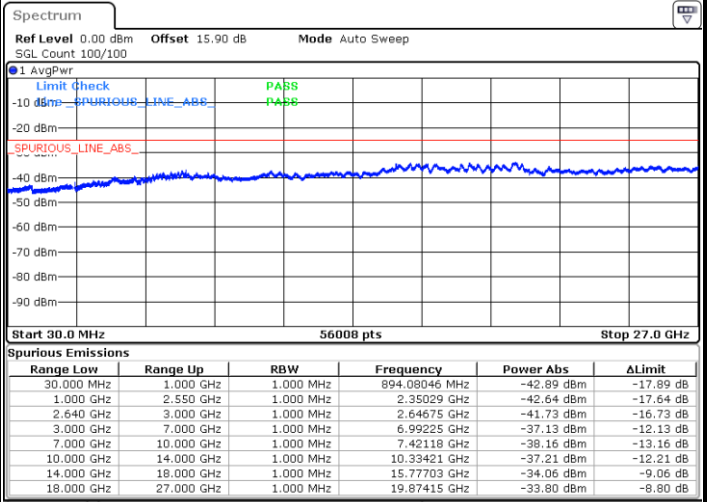
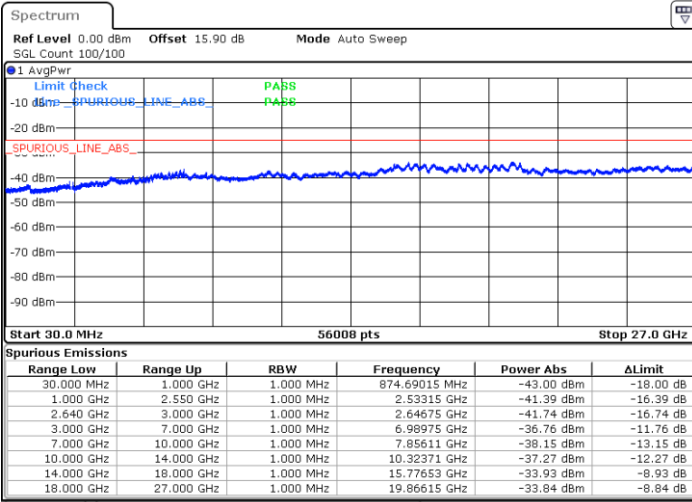
Date: 7. JAN 2018 03:06:32



LTE Band 38 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



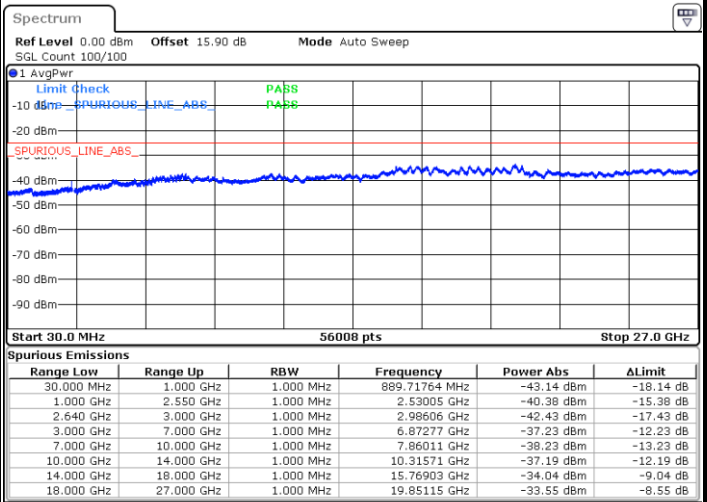
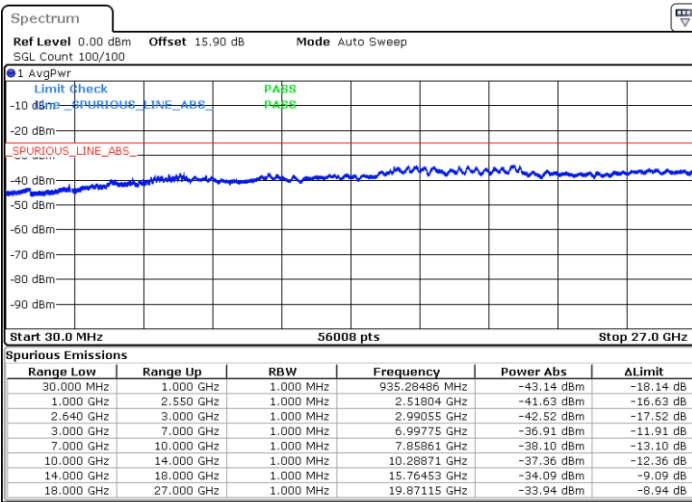
Date: 7.JAN 2018 03:07:26

Date: 7.JAN 2018 03:08:20

LTE Band 38 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 7.JAN 2018 03:09:14

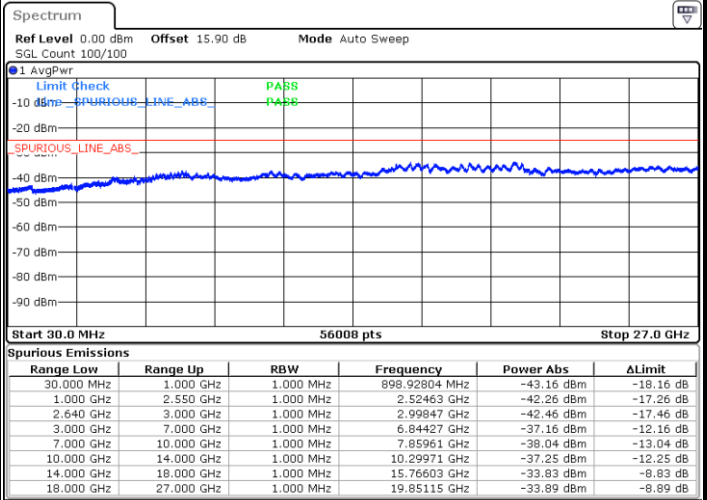
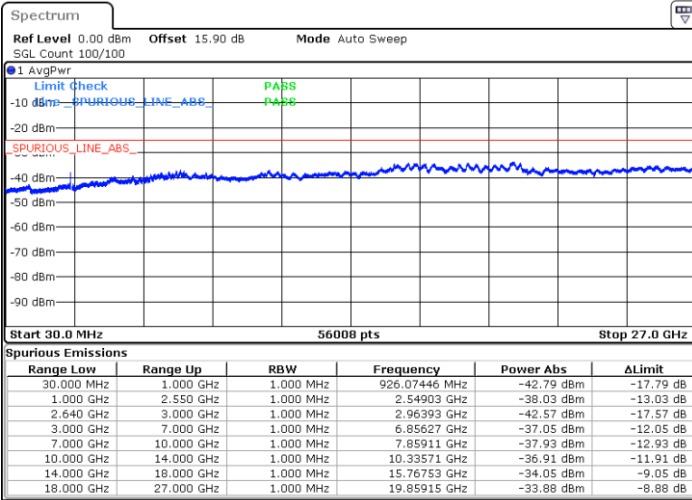
Date: 7.JAN 2018 03:10:09



LTE Band 38 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

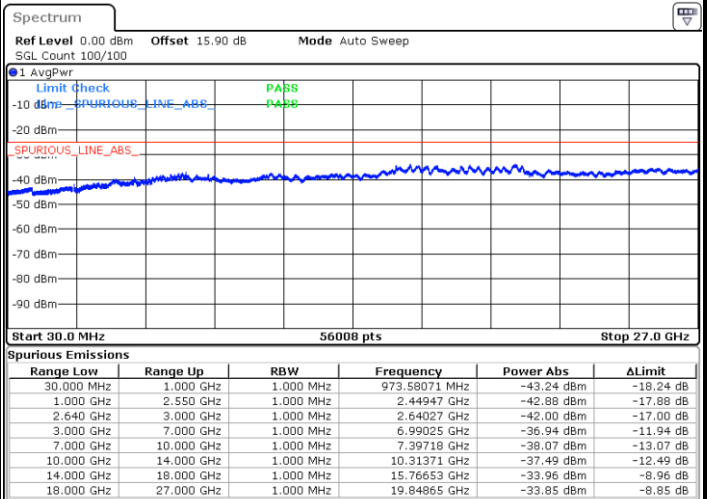
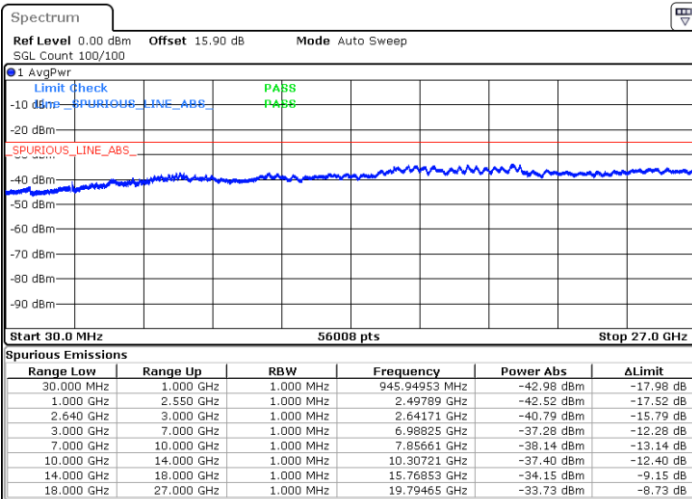


Date: 7.JAN 2018 03:11:03

Date: 7.JAN 2018 03:11:57

Highest Channel / QPSK

Highest Channel / 16QAM



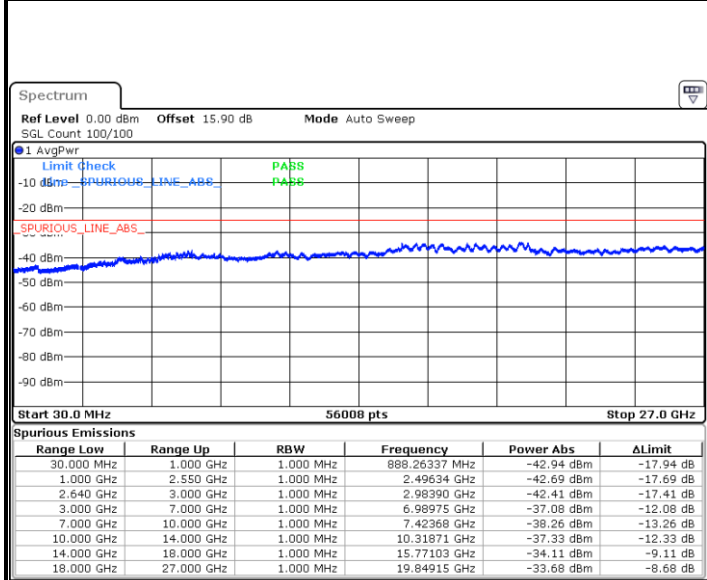
Date: 7.JAN 2018 03:12:51

Date: 7.JAN 2018 03:13:46



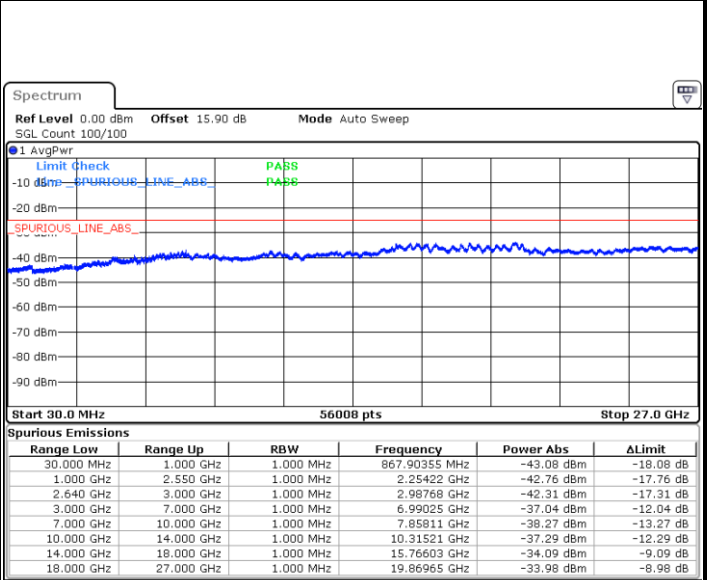
LTE Band 38 / 5MHz

Lowest Channel / 64QAM



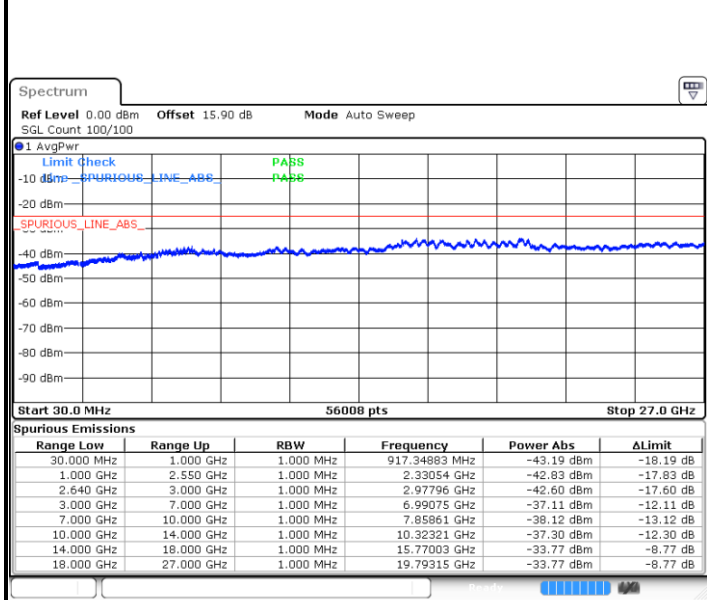
Date: 2 FEB 2018 01:05:54

Middle Channel / 64QAM



Date: 2 FEB 2018 01:06:49

Highest Channel / 64QAM



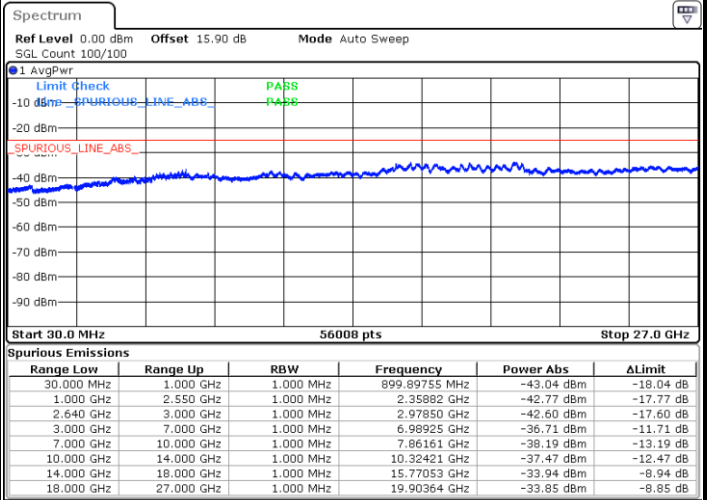
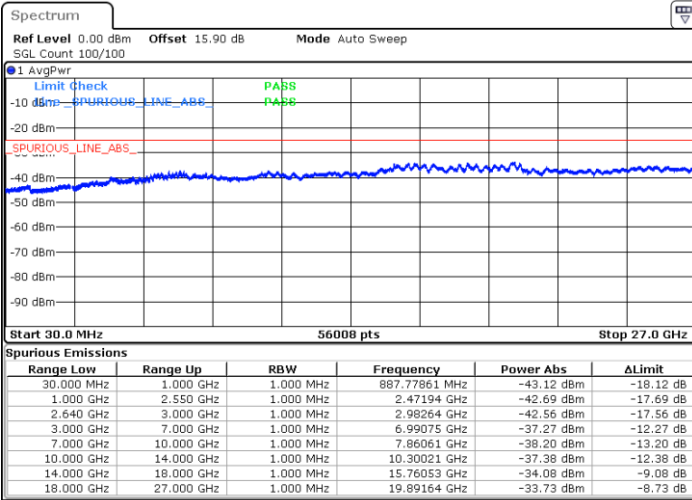
Date: 2 FEB 2018 01:07:43



LTE Band 38 / 10MHz

Lowest Channel / 64QAM

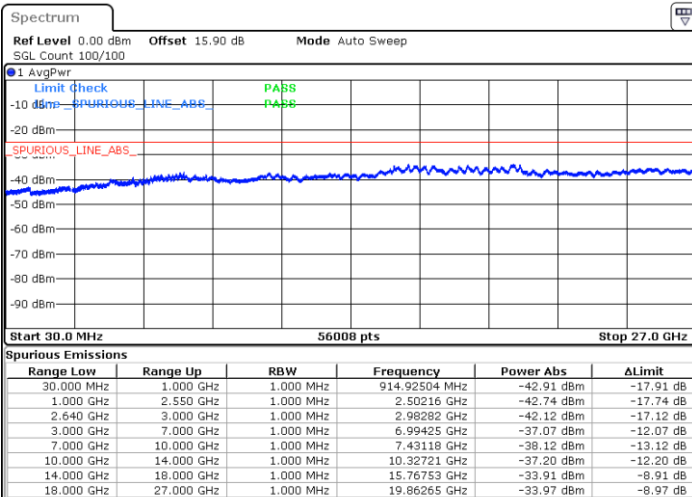
Middle Channel / 64QAM



Date: 2 FEB 2018 01:08:37

Date: 2 FEB 2018 01:09:31

Highest Channel / 64QAM



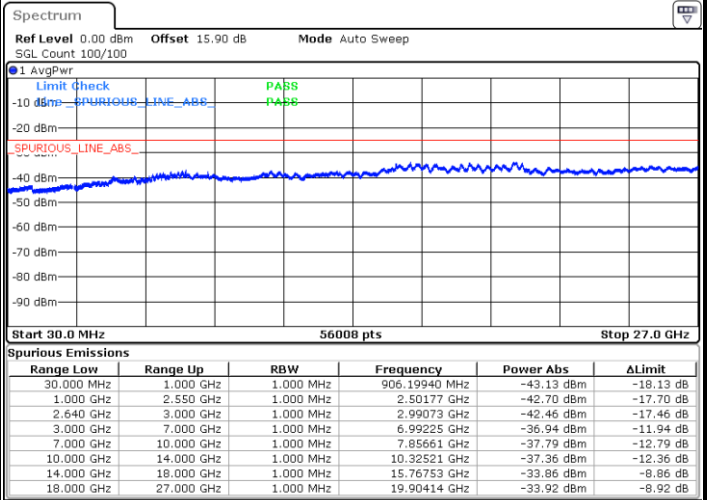
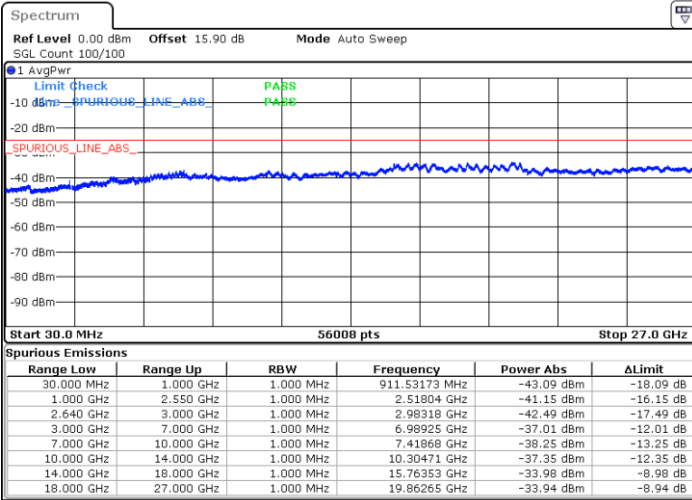
Date: 2 FEB 2018 01:10:25



LTE Band 38 / 15MHz

Lowest Channel / 64QAM

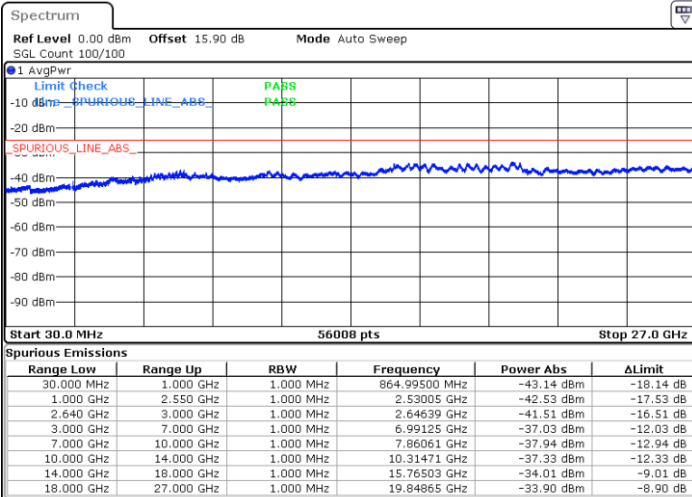
Middle Channel / 64QAM



Date: 2 FEB 2018 01:11:19

Date: 2 FEB 2018 01:12:14

Highest Channel / 64QAM



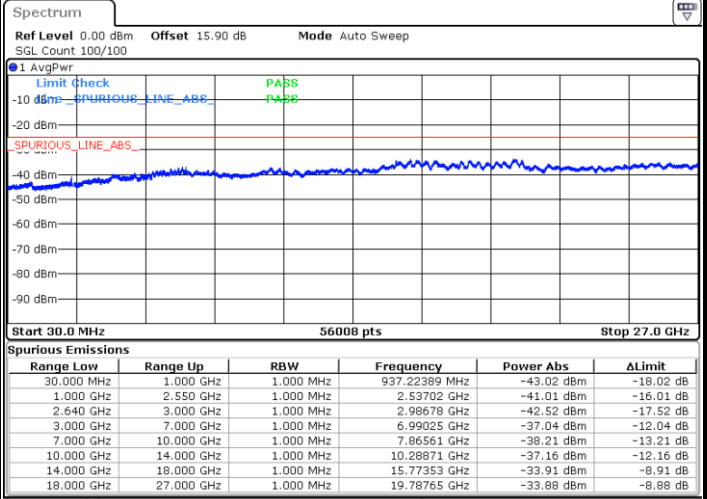
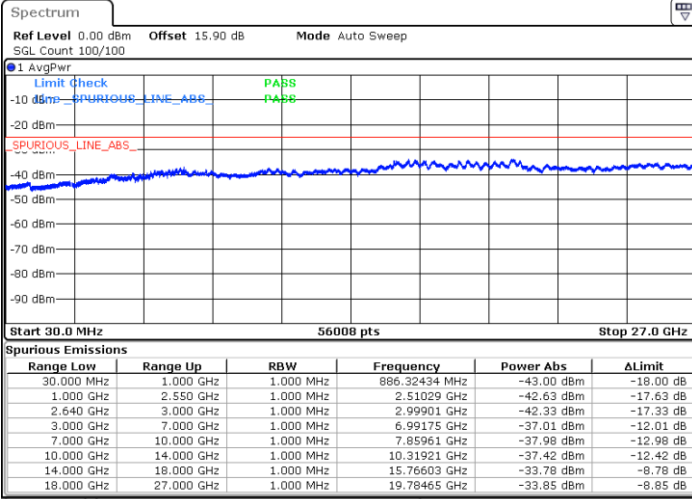
Date: 2 FEB 2018 01:13:08



LTE Band 38 / 20MHz

Lowest Channel / 64QAM

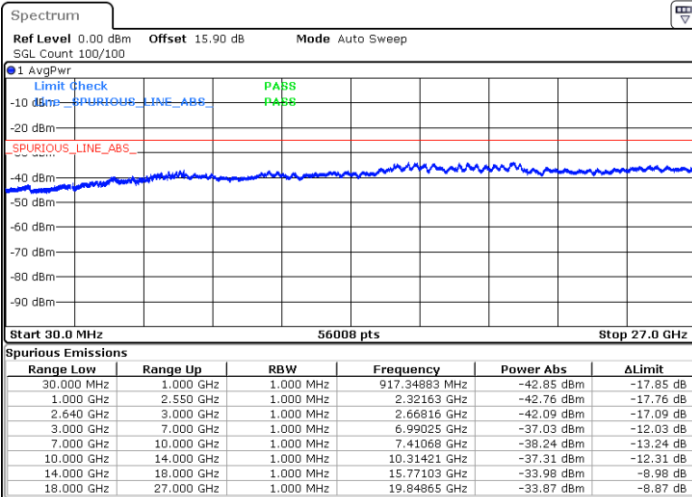
Middle Channel / 64QAM



Date: 2 FEB 2018 01:14:02

Date: 2 FEB 2018 01:14:56

Highest Channel / 64QAM



Date: 2 FEB 2018 01:15:50



Frequency Stability

| Test Conditions | | LTE Band 38 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0017 | PASS |
| 40 | Normal Voltage | 0.0001 | |
| 30 | Normal Voltage | 0.0011 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0032 | |
| 0 | Normal Voltage | 0.0005 | |
| -10 | Normal Voltage | 0.0030 | |
| -20 | Normal Voltage | 0.0032 | |
| -30 | Normal Voltage | 0.0007 | |
| 20 | Maximum Voltage | 0.0001 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0007 | |

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

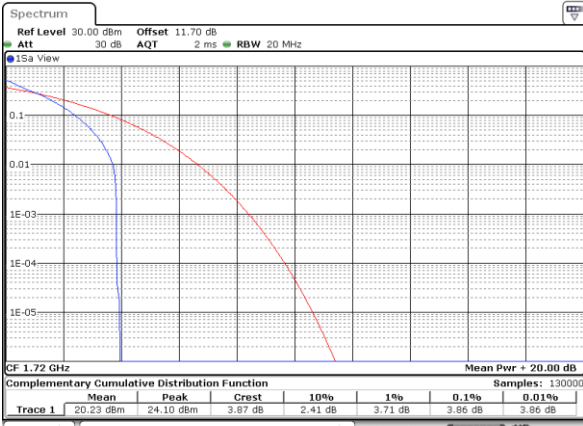
Peak-to-Average Ratio

| Mode | LTE Band 66 / 20MHz | | | | |
|------------|---------------------|---------|-------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.86 | 4.67 | 4.55 | 5.65 | PASS |
| Middle CH | 4.17 | 4.81 | 4.9 | 5.77 | |
| Highest CH | 3.97 | 4.93 | 4.96 | 5.86 | |
| Mode | LTE Band 66 / 20MHz | | | | |
| Mod. | 64QAM | | | | Limit: 13dB |
| RB Size | 1RB | Full RB | | | Result |
| Lowest CH | 5.30 | 6.26 | - | - | PASS |
| Middle CH | 5.88 | 6.35 | - | - | |
| Highest CH | 5.91 | 6.46 | - | - | |



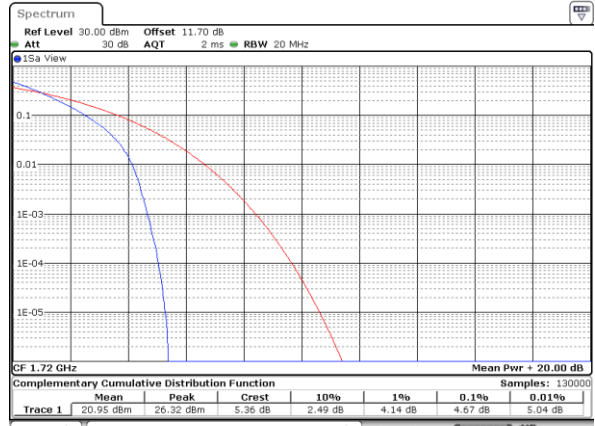
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



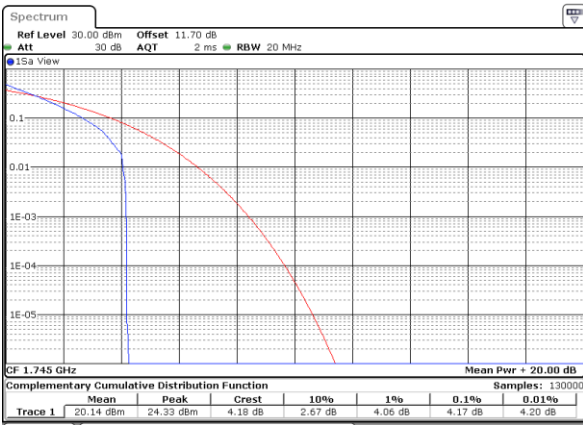
Date: 9 JAN 2018 21:34:17

Lowest Channel / Full RB



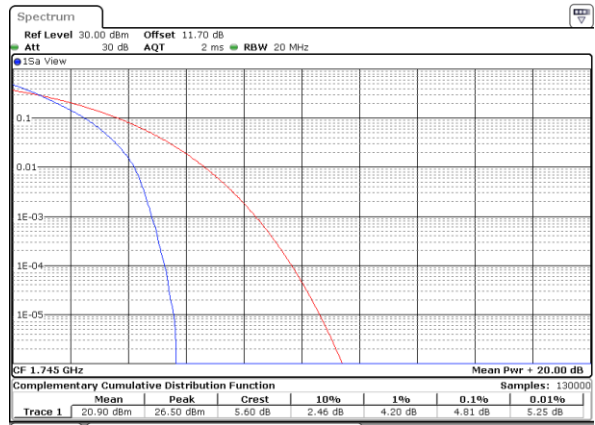
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Middle Channel / 1RB



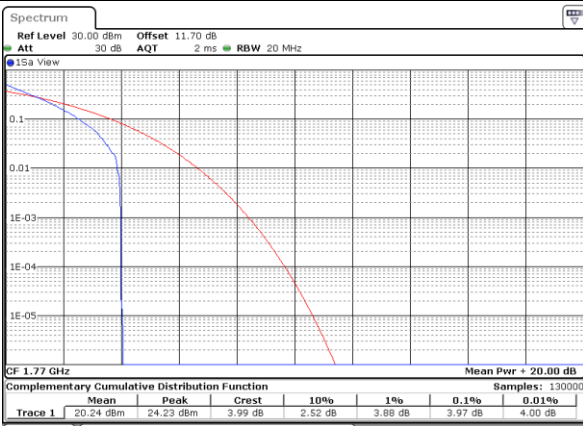
Date: 9 JAN 2018 21:34:41

Middle Channel / Full RB



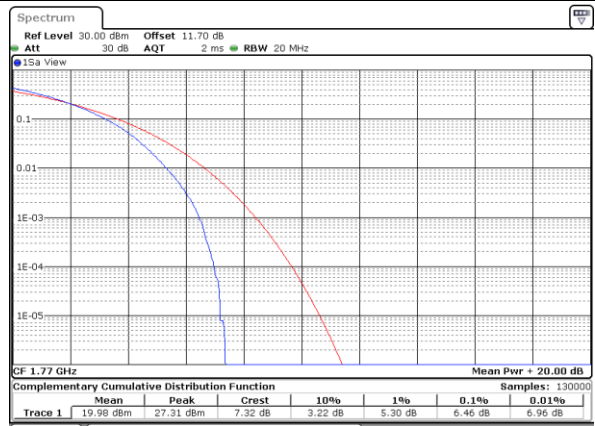
Date: 9 JAN 2018 21:34:56

Highest Channel / 1RB



Date: 9 JAN 2018 21:35:25

Highest Channel / Full RB

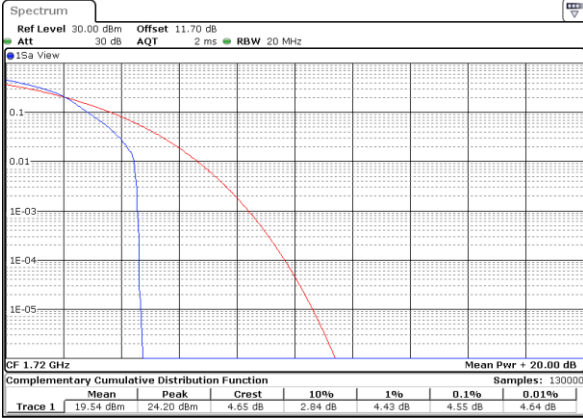


Date: 3 FEB 2018 00:28:58



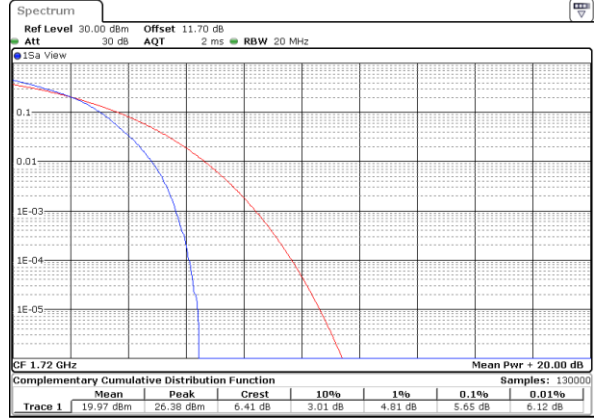
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



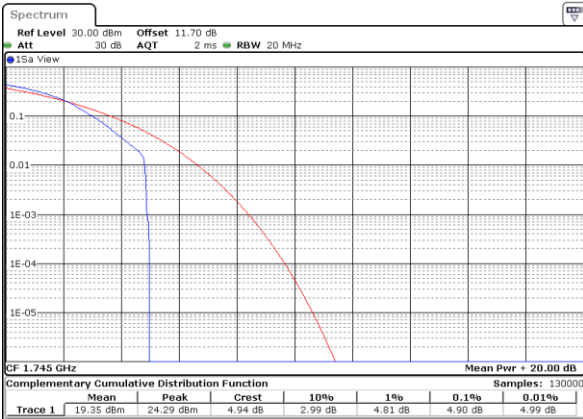
Date: 9 JAN 2018 21:33:14

Lowest Channel / Full RB



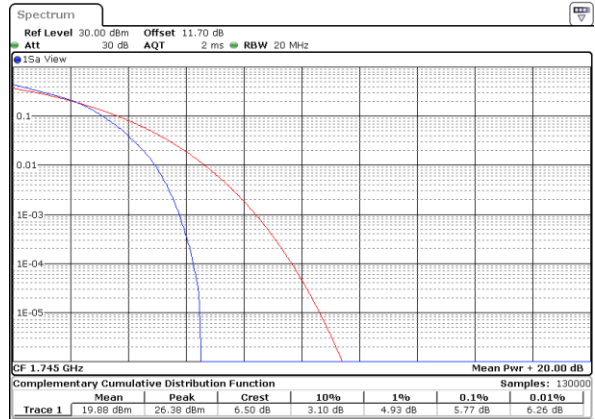
Date: 9 JAN 2018 21:33:23

Middle Channel / 1RB



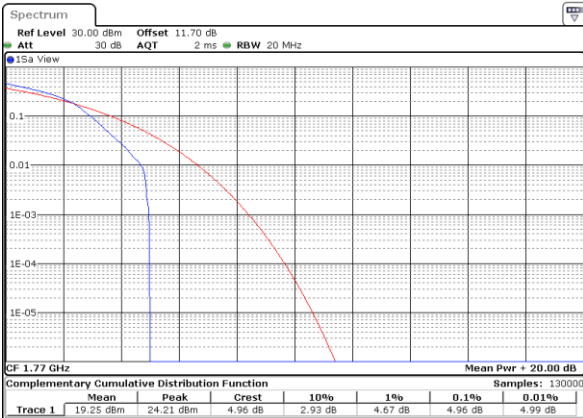
Date: 9 JAN 2018 21:33:35

Middle Channel / Full RB



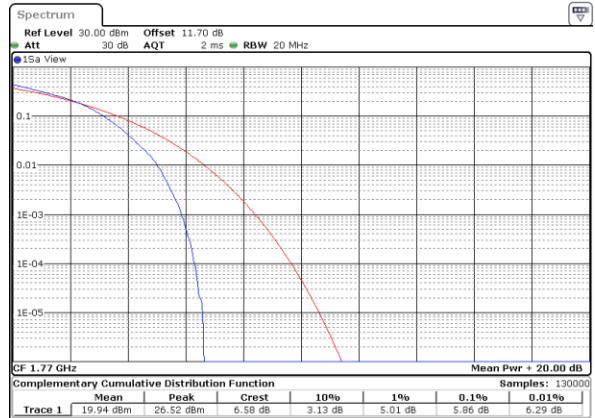
Date: 9 JAN 2018 21:33:44

Highest Channel / 1RB



Date: 9 JAN 2018 21:33:55

Highest Channel / Full RB



Date: 9 JAN 2018 21:34:07