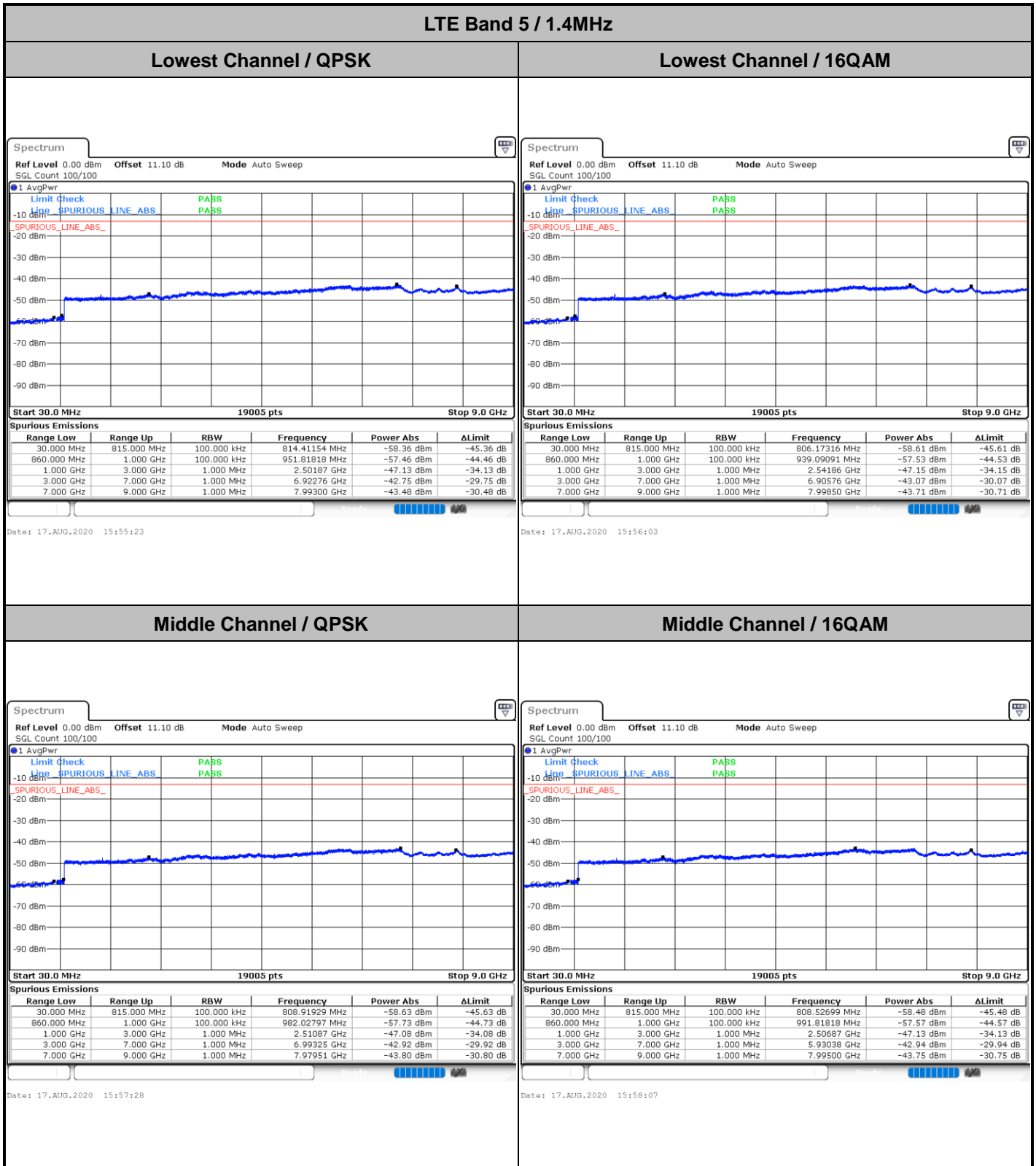




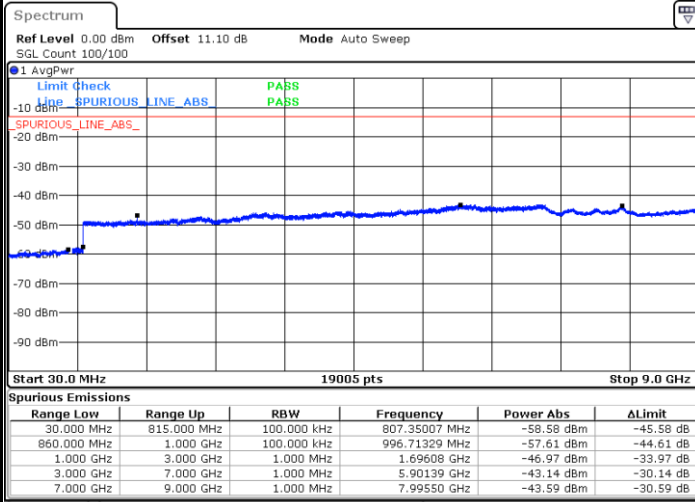
Conducted Spurious Emission





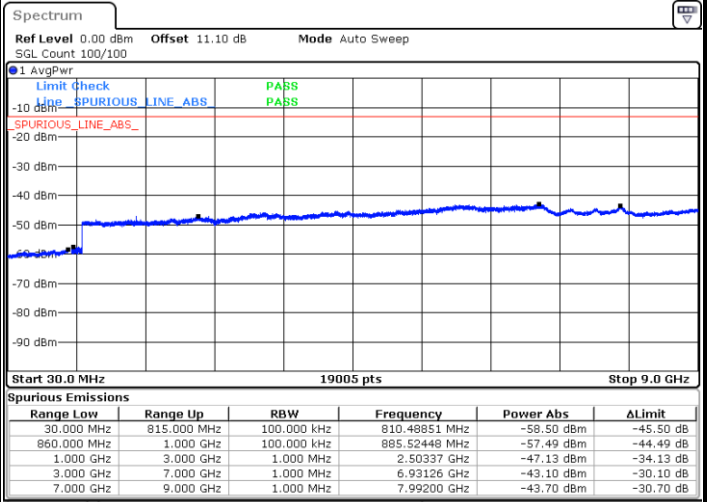
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 17.AUG.2020 15:59:34

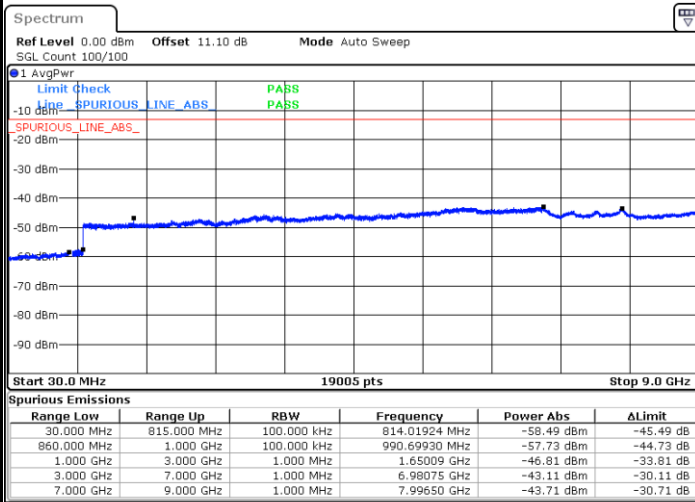
Highest Channel / 16QAM



Date: 17.AUG.2020 16:00:14

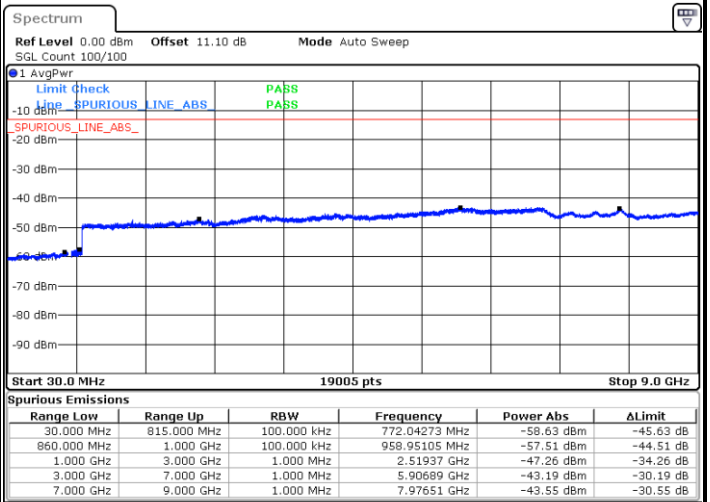
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 17.AUG.2020 16:04:51

Lowest Channel / 16QAM



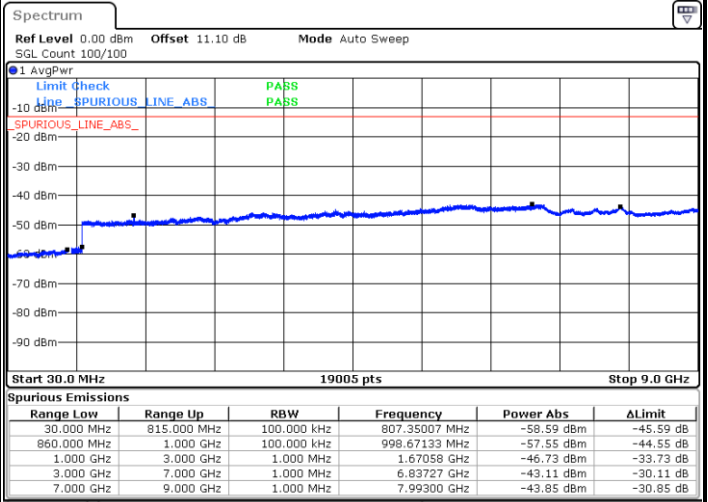
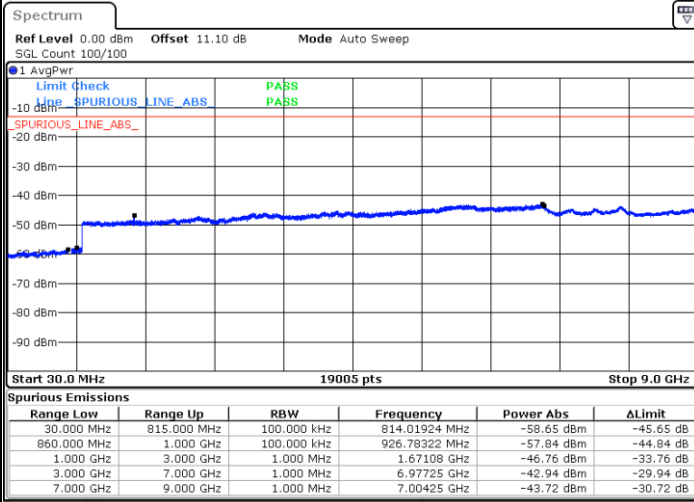
Date: 17.AUG.2020 16:05:31



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

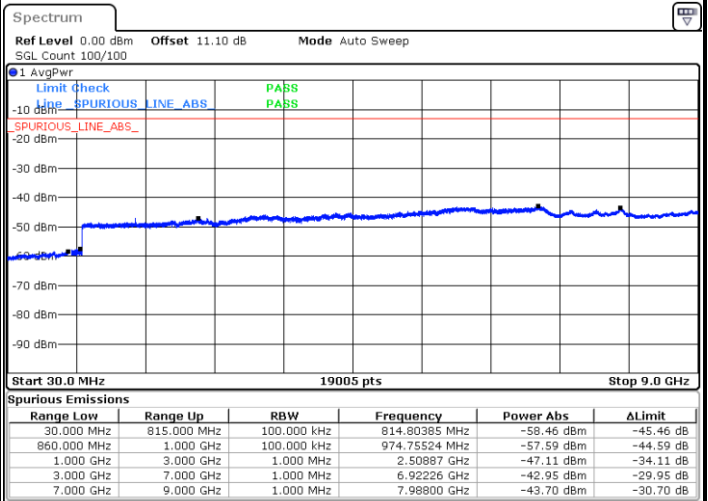
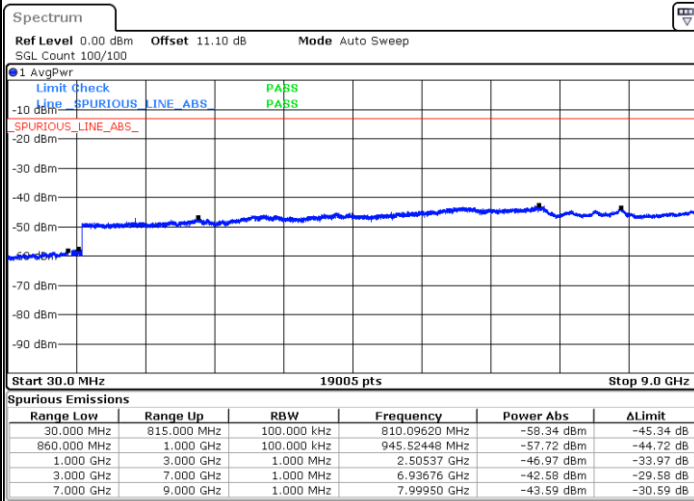


Date: 17.AUG.2020 16:06:56

Date: 17.AUG.2020 16:07:35

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 17.AUG.2020 16:09:03

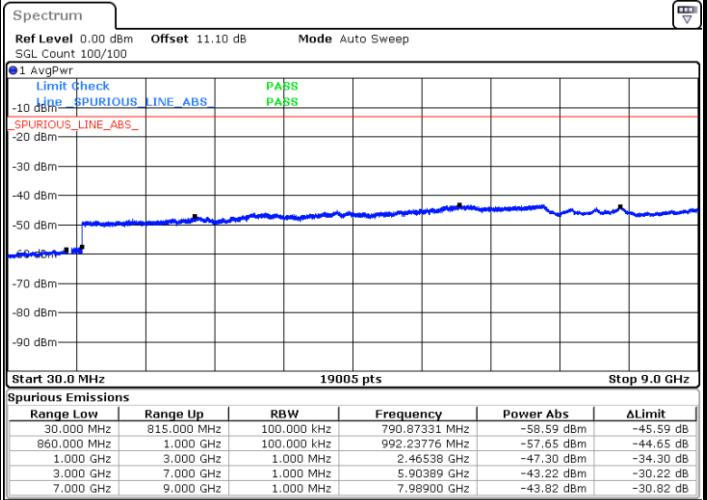
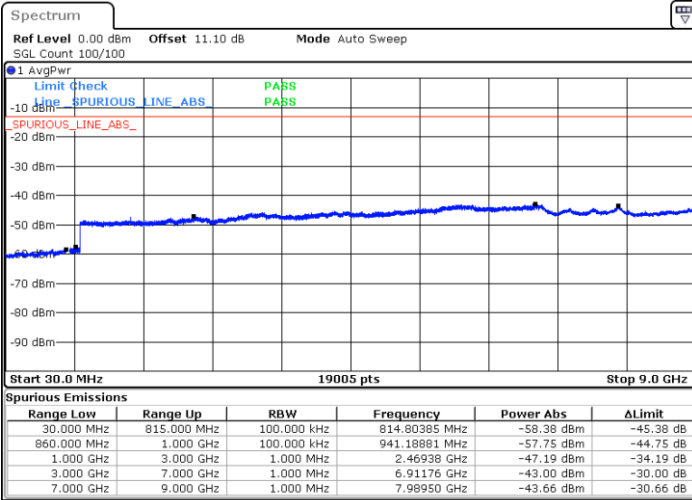
Date: 17.AUG.2020 16:09:43



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

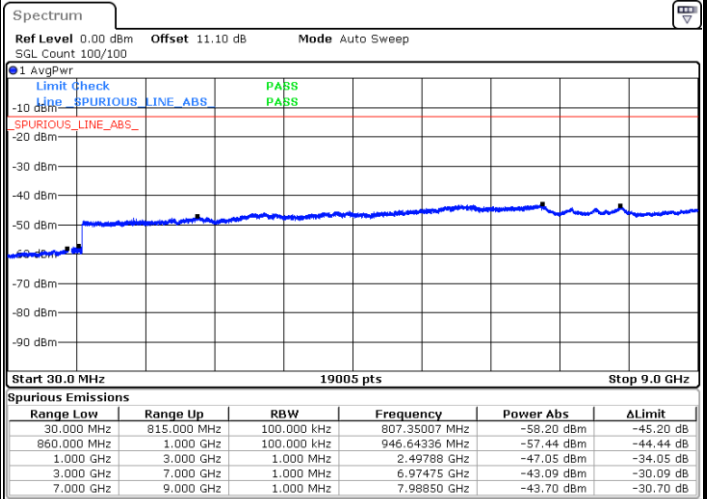
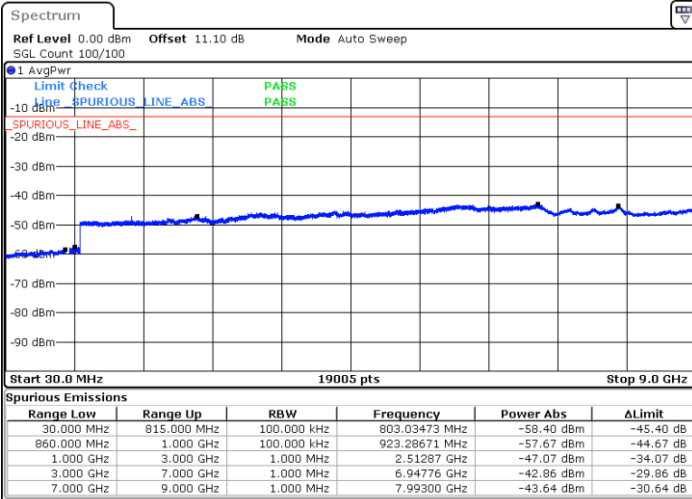


Date: 17.AUG.2020 16:20:59

Date: 17.AUG.2020 16:21:39

Middle Channel / QPSK

Middle Channel / 16QAM



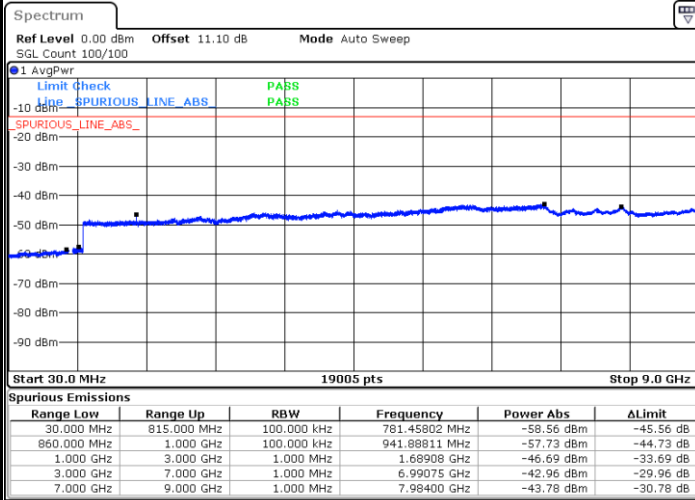
Date: 17.AUG.2020 16:23:04

Date: 17.AUG.2020 16:23:44



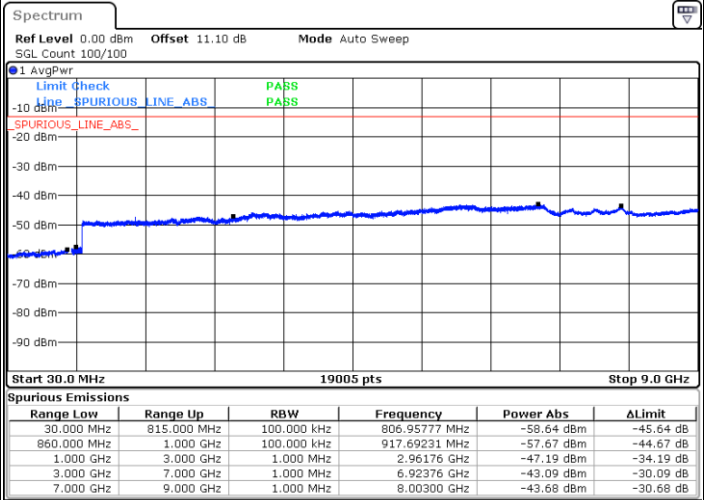
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 17.AUG.2020 16:31:51

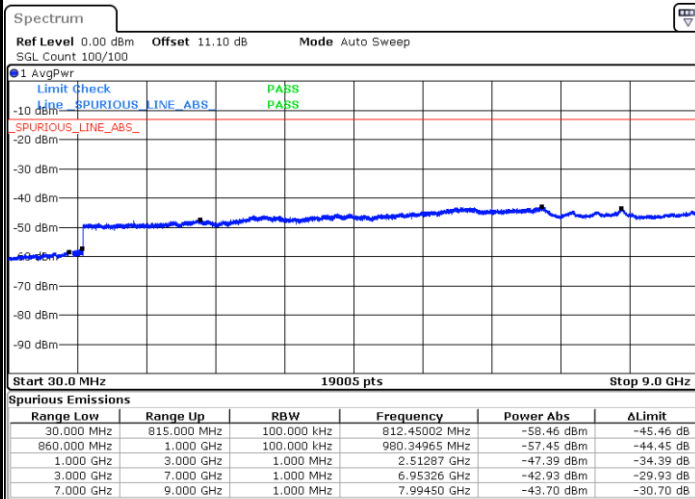
Highest Channel / 16QAM



Date: 17.AUG.2020 16:32:31

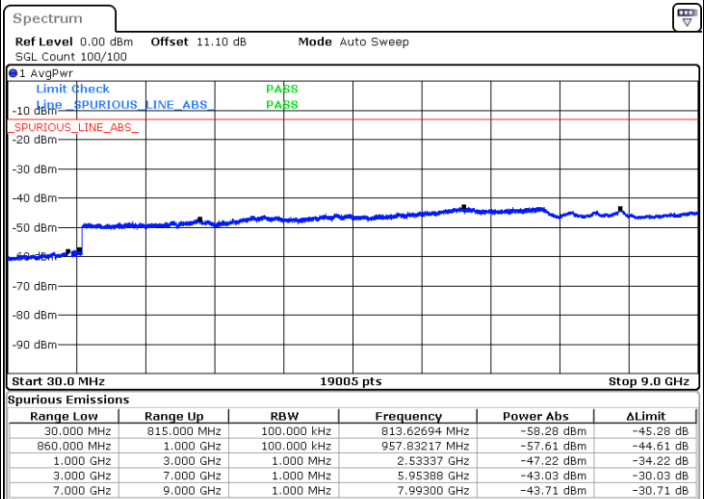
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 17.AUG.2020 16:49:48

Lowest Channel / 16QAM



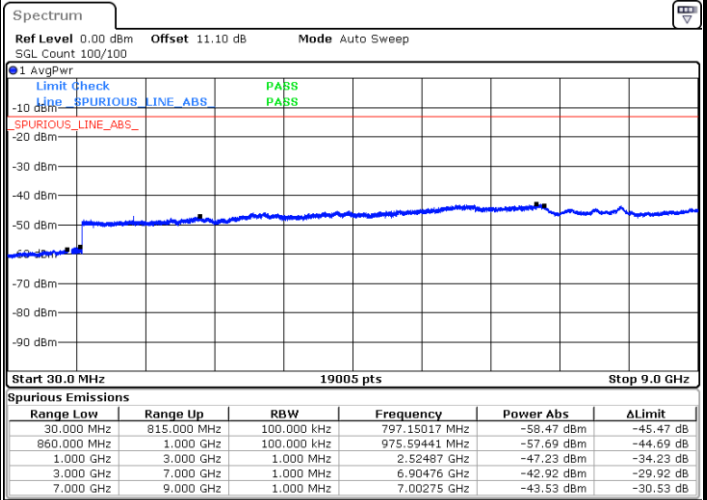
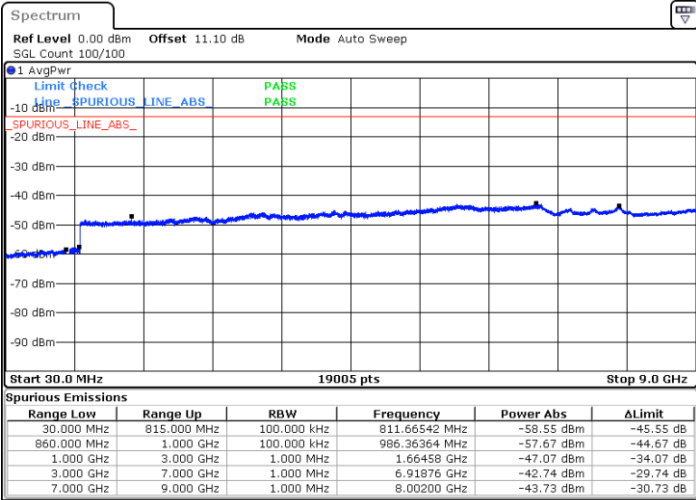
Date: 17.AUG.2020 16:50:28



LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

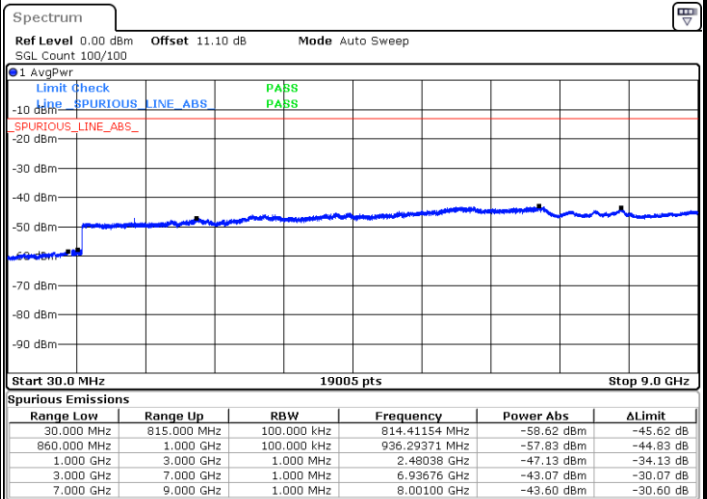
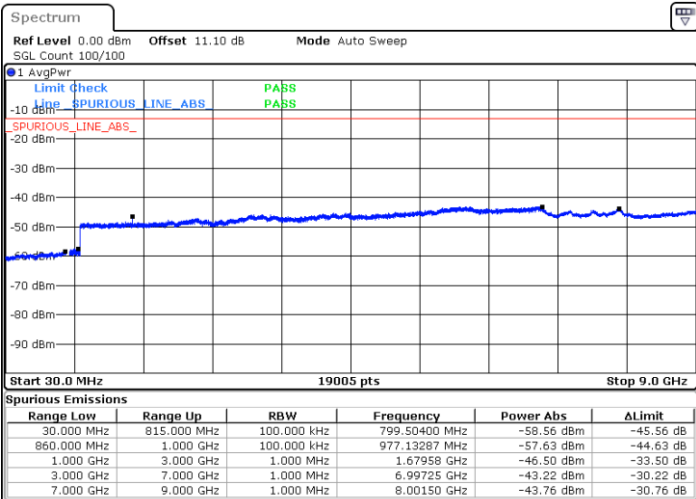


Date: 17.AUG.2020 16:51:53

Date: 17.AUG.2020 16:52:33

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 17.AUG.2020 17:00:40

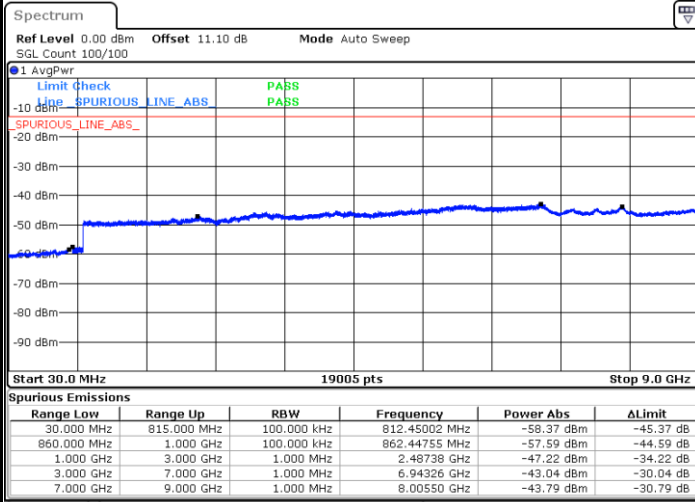
Date: 17.AUG.2020 17:01:20



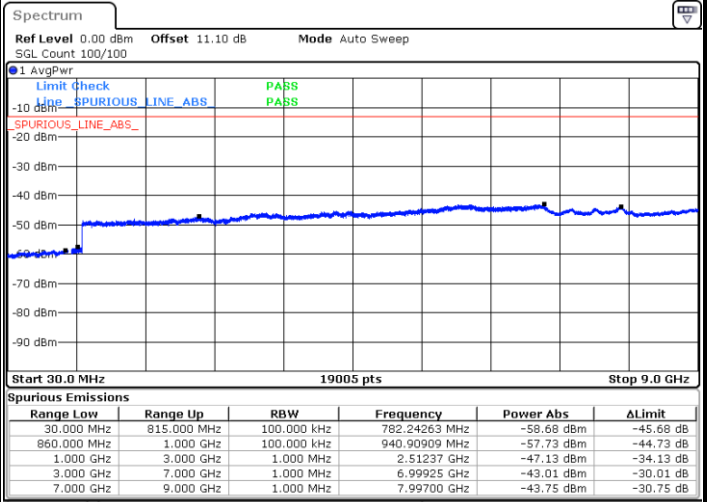
LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

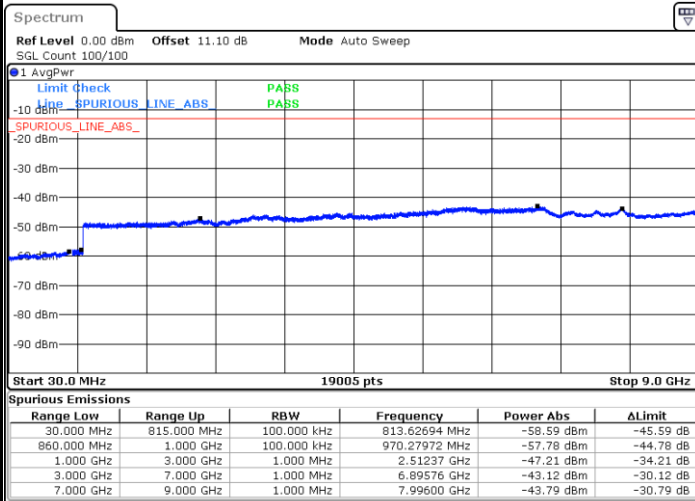


Date: 17.AUG.2020 16:01:18



Date: 17.AUG.2020 16:02:20

Highest Channel / 64QAM

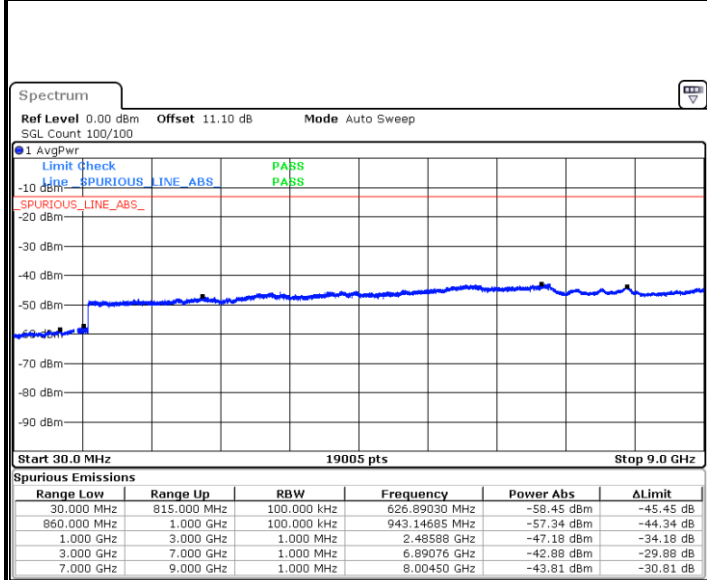


Date: 17.AUG.2020 16:03:23



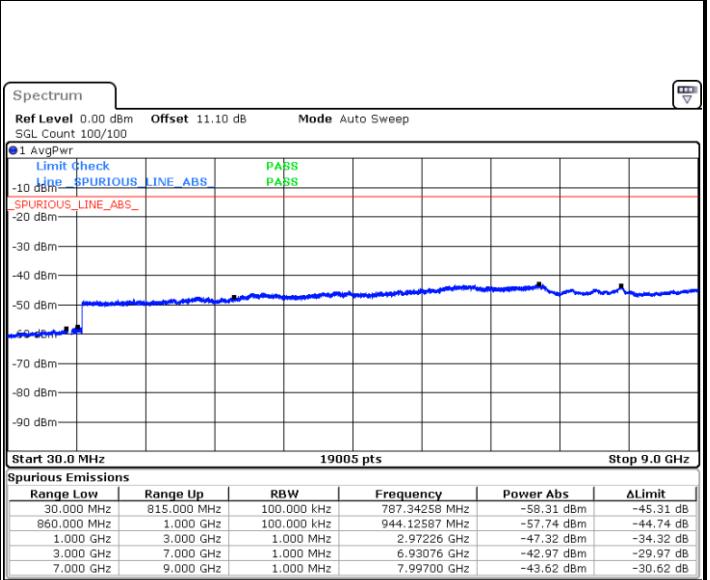
LTE Band 5 / 3MHz

Lowest Channel / 64QAM



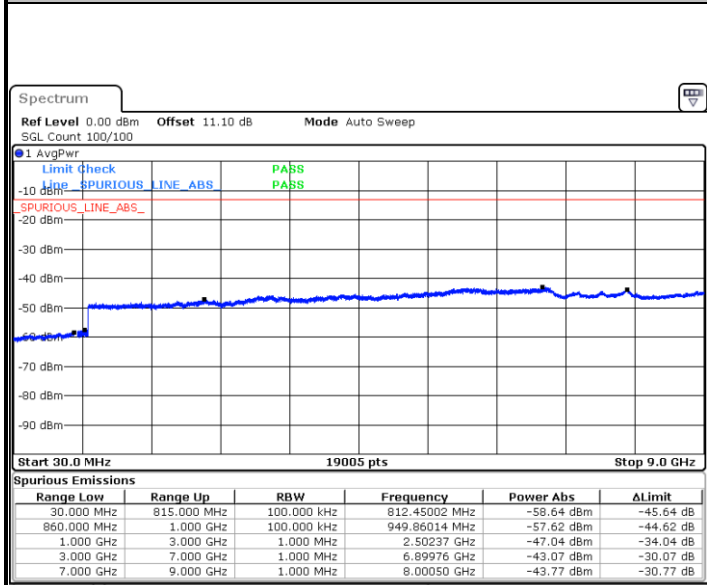
Date: 17.AUG.2020 16:10:46

Middle Channel / 64QAM



Date: 17.AUG.2020 16:11:49

Highest Channel / 64QAM

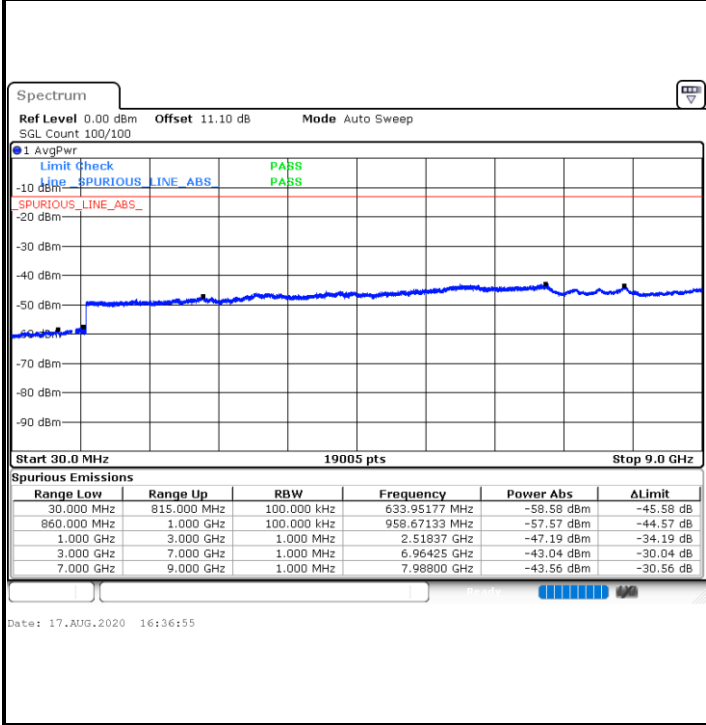


Date: 17.AUG.2020 16:12:52

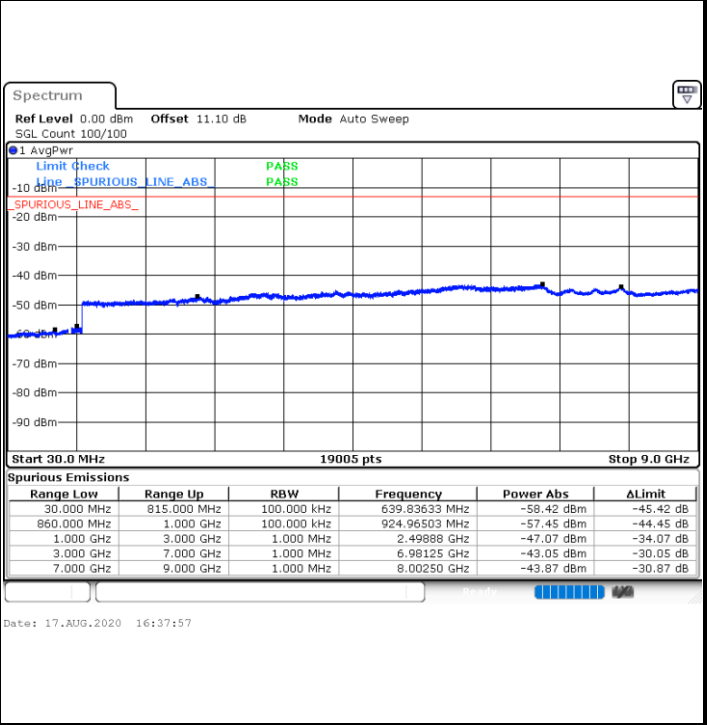


LTE Band 5 / 5MHz

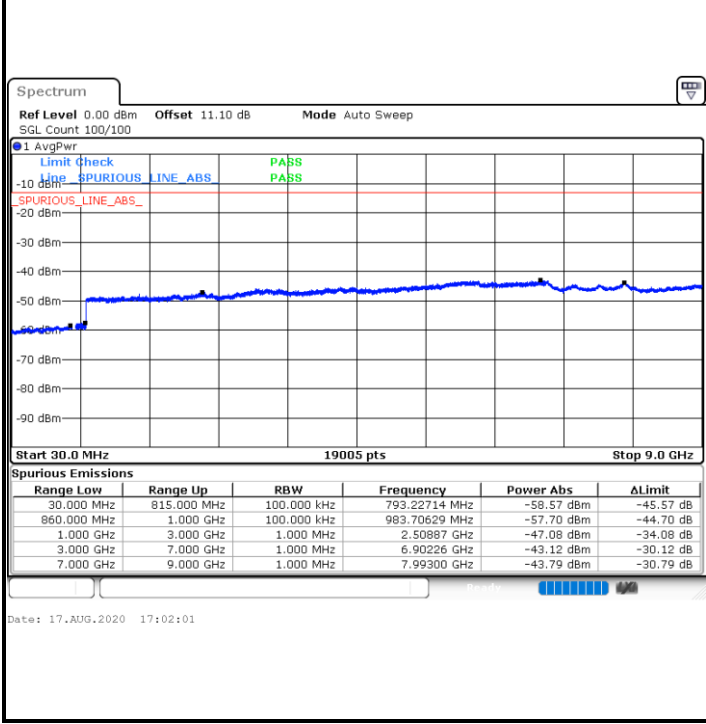
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM



Highest Channel / 64QAM

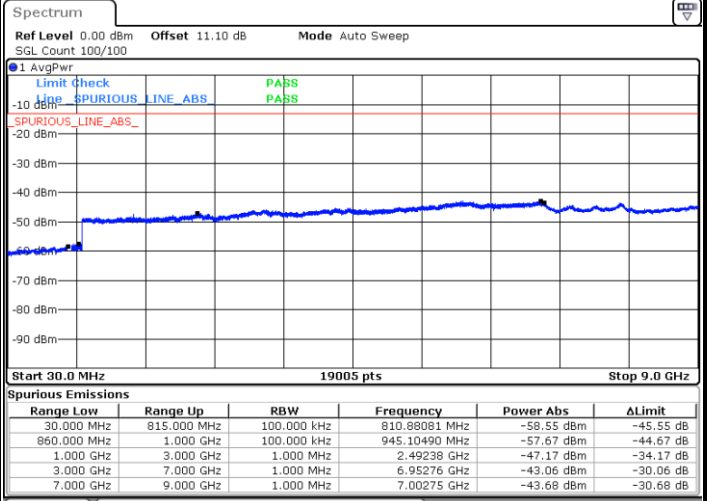
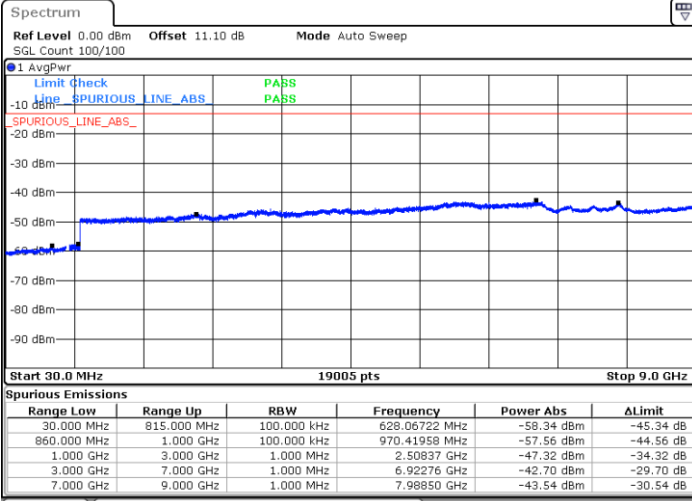




LTE Band 5 / 10MHz

Lowest Channel / 64QAM

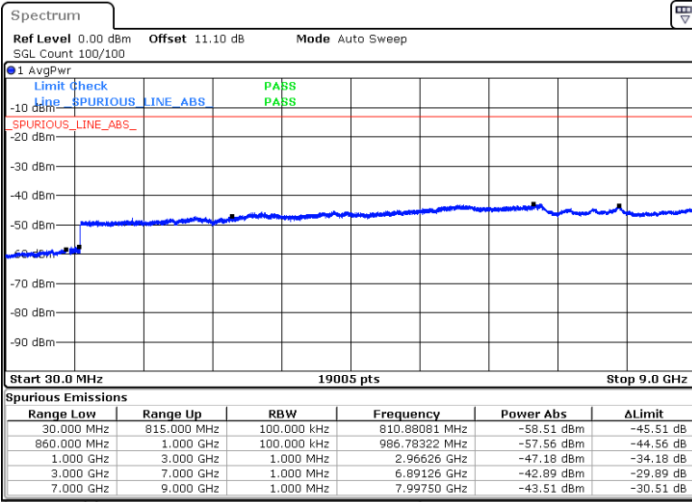
Middle Channel / 64QAM



Date: 17.AUG.2020 17:06:24

Date: 17.AUG.2020 17:07:27

Highest Channel / 64QAM



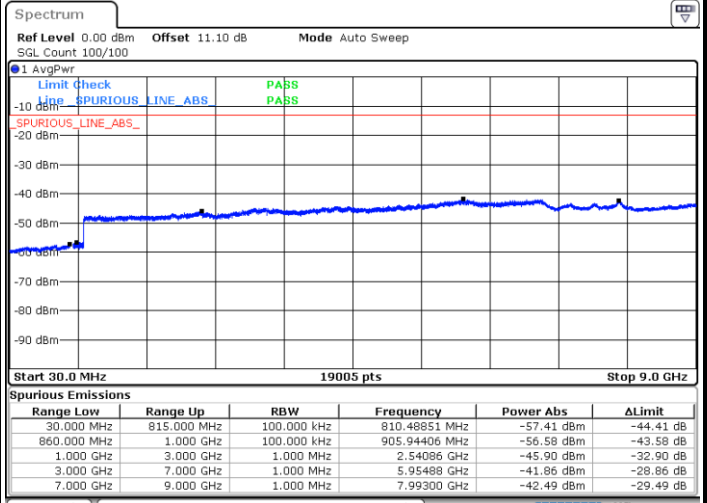
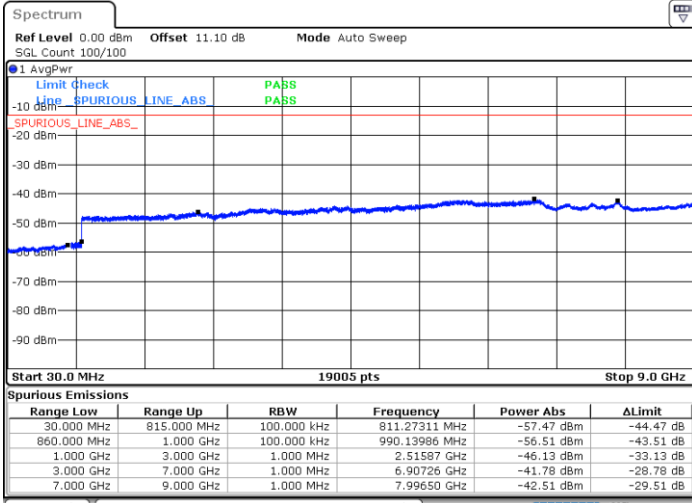
Date: 17.AUG.2020 17:11:50



LTE Band 5 / 1.4MHz

Lowest Channel / 256QAM

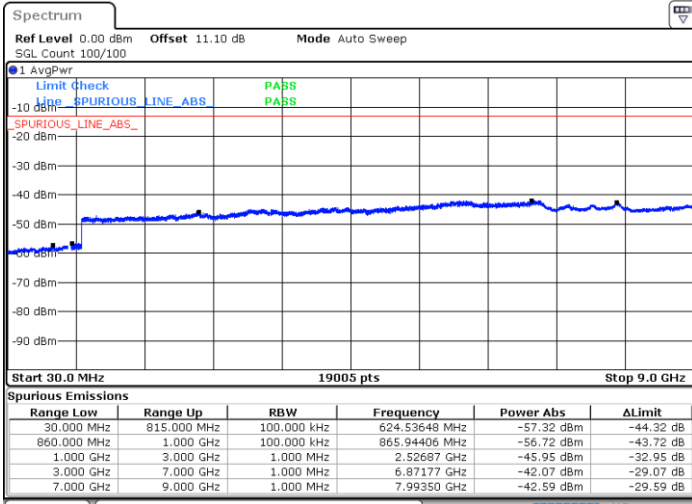
Middle Channel / 256QAM



Date: 19.AUG.2020 08:52:12

Date: 19.AUG.2020 08:47:12

Highest Channel / 256QAM



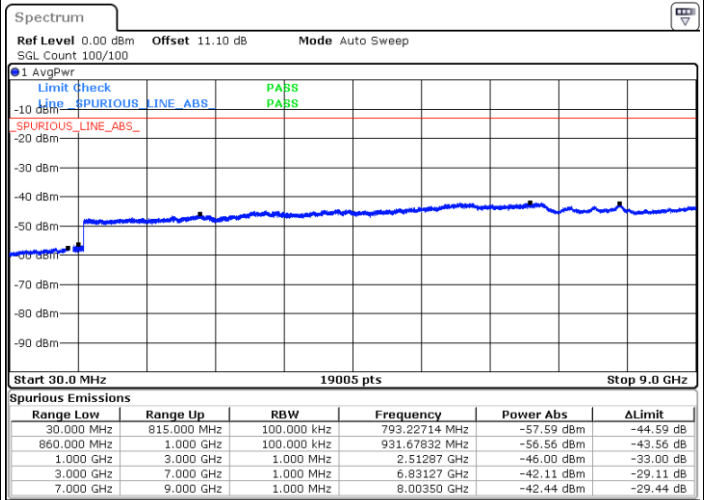
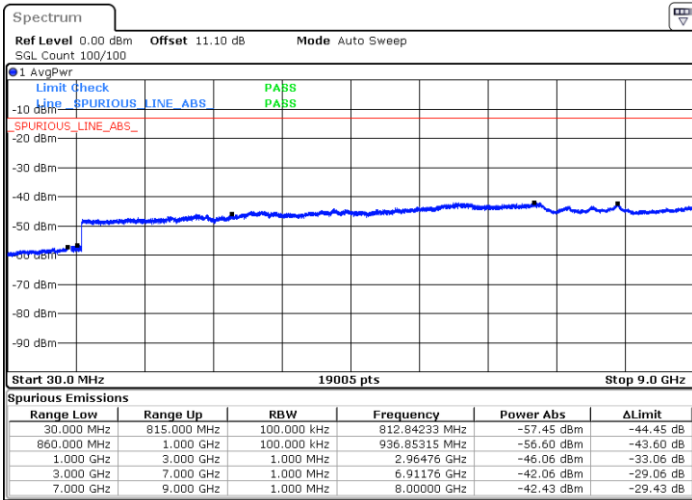
Date: 19.AUG.2020 08:55:35



LTE Band 5 / 3MHz

Lowest Channel / 256QAM

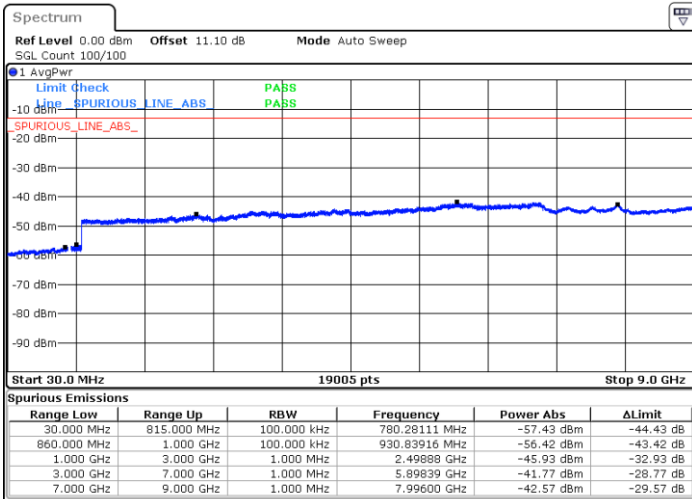
Middle Channel / 256QAM



Date: 19.AUG.2020 09:01:21

Date: 19.AUG.2020 08:58:18

Highest Channel / 256QAM



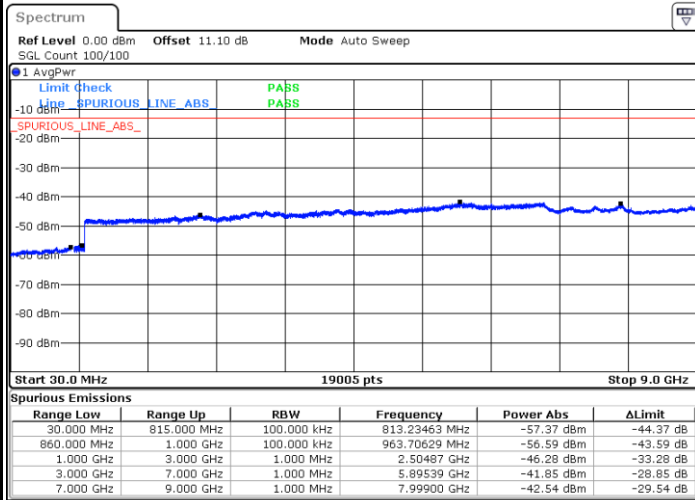
Date: 19.AUG.2020 09:04:06



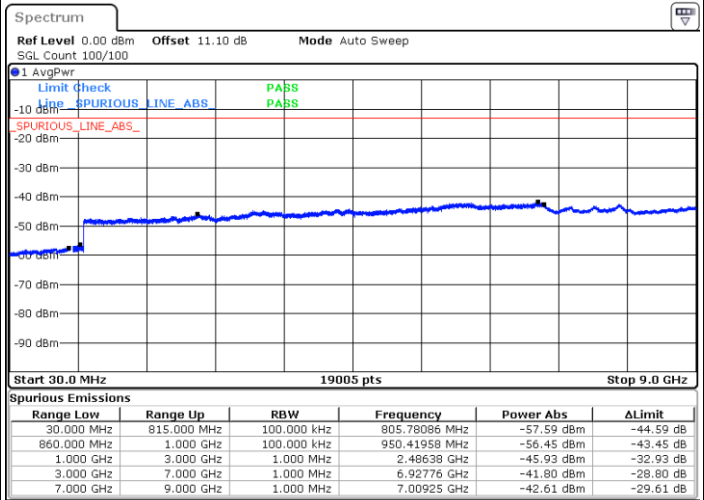
LTE Band 5 / 5MHz

Lowest Channel / 256QAM

Middle Channel / 256QAM

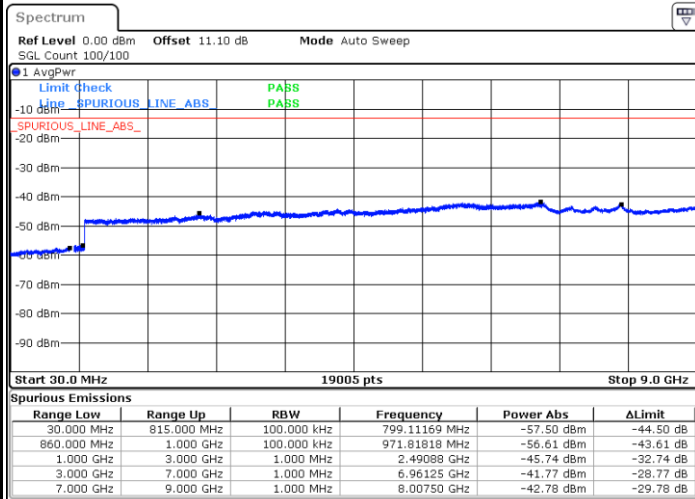


Date: 19.AUG.2020 09:09:35



Date: 19.AUG.2020 09:06:52

Highest Channel / 256QAM



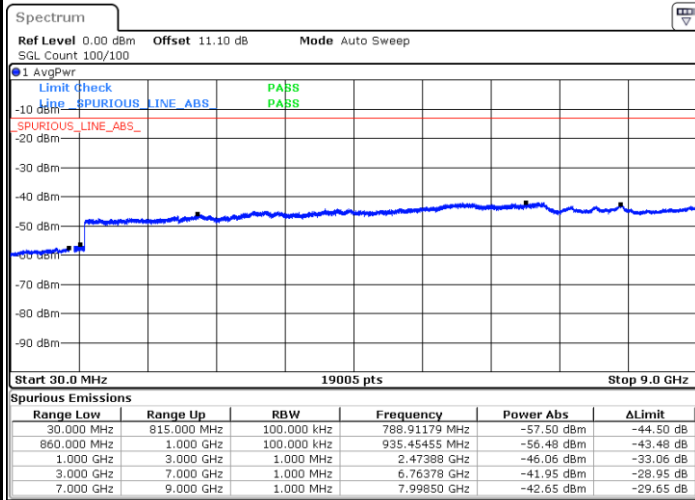
Date: 19.AUG.2020 09:11:41



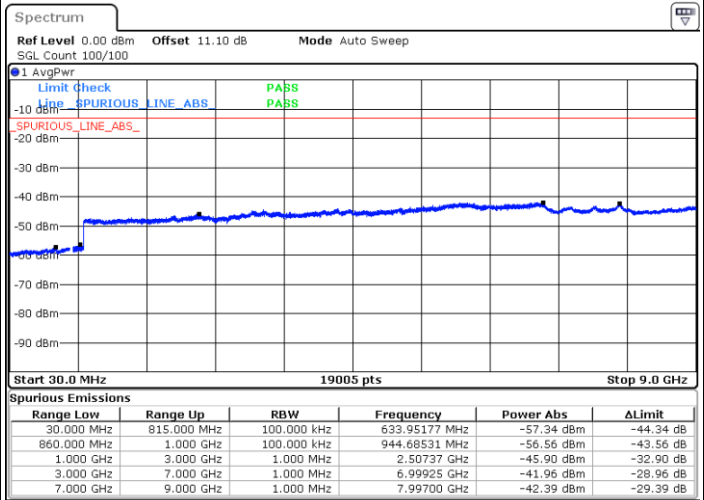
LTE Band 5 / 10MHz

Lowest Channel / 256QAM

Middle Channel / 256QAM

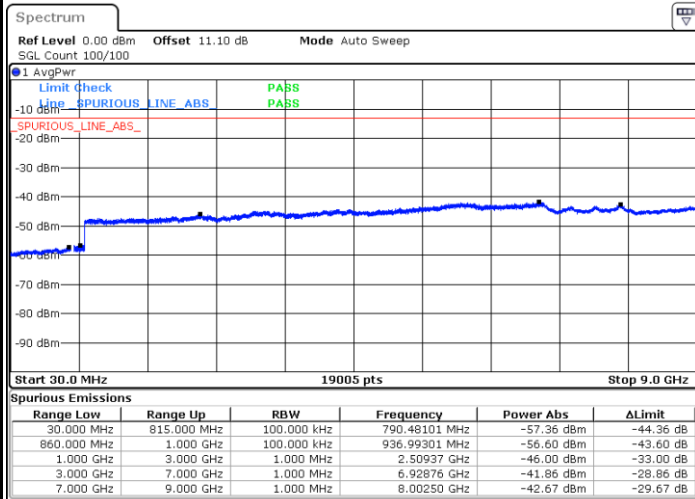


Date: 19.AUG.2020 09:17:34



Date: 19.AUG.2020 09:14:23

Highest Channel / 256QAM



Date: 19.AUG.2020 09:19:39



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 | 0.0041 | PASS |
| 40 | Normal Voltage | 0.0027 | |
| 30 | Normal Voltage | 0.0022 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0025 | |
| 0 | Normal Voltage | 0.0204 | |
| -10 | Normal Voltage | 0.0130 | |
| -20 | Normal Voltage | 0.0037 | |
| -30 | Normal Voltage | 0.0198 | |
| 20 | Maximum Voltage | 0.0031 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0005 | |

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

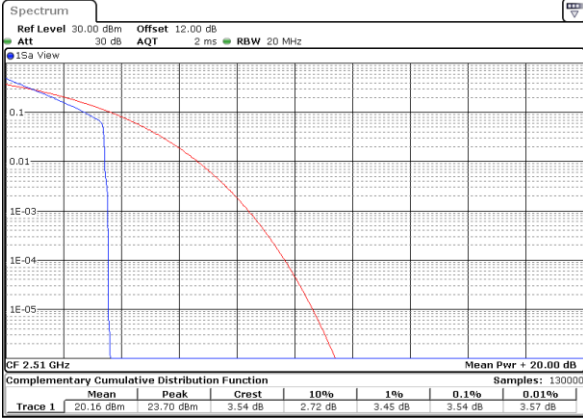
Peak-to-Average Ratio

| Mode | LTE Band 7 / 20MHz | | | | |
|------------|--------------------|---------|--------|---------|-------------|
| Mod. | QPSK | | 16QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 3.54 | 4.90 | 5.33 | 5.86 | PASS |
| Middle CH | 3.57 | 4.96 | 4.49 | 5.88 | |
| Highest CH | 3.57 | 4.93 | 5.19 | 5.83 | |
| Mode | LTE Band 7 / 20MHz | | | | |
| Mod. | 64QAM | | 256QAM | | Limit: 13dB |
| RB Size | 1RB | Full RB | 1RB | Full RB | Result |
| Lowest CH | 6.14 | 6.38 | 7.45 | 6.52 | PASS |
| Middle CH | 6.61 | 6.46 | 7.57 | 6.46 | |
| Highest CH | 6.87 | 6.52 | 6.26 | 6.49 | |



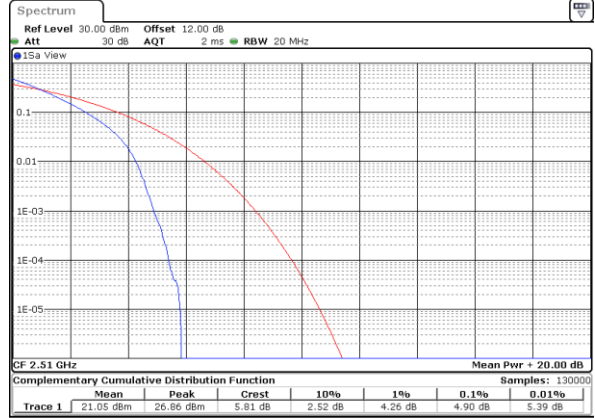
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



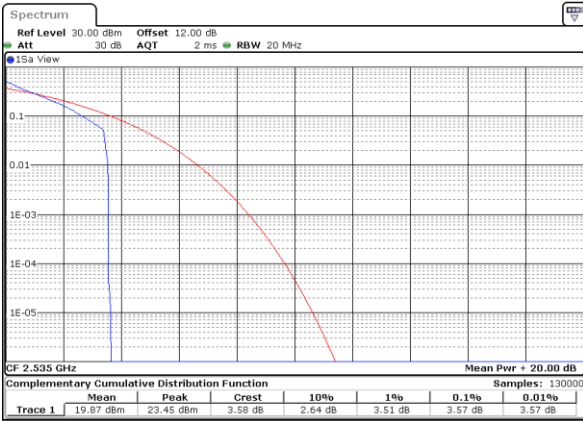
Date: 17_AUG.2020 18:57:49

Lowest Channel / Full RB



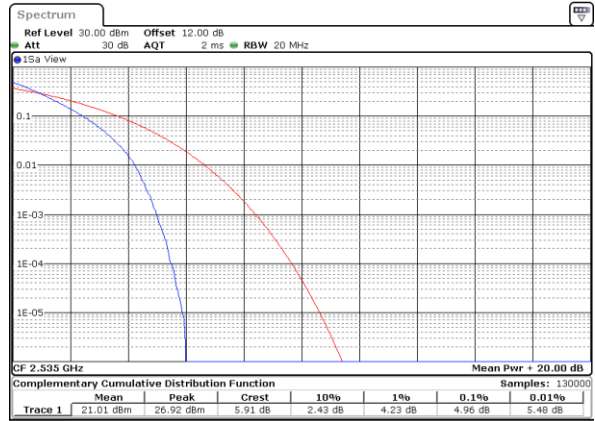
Date: 17_AUG.2020 18:57:59

Middle Channel / 1RB



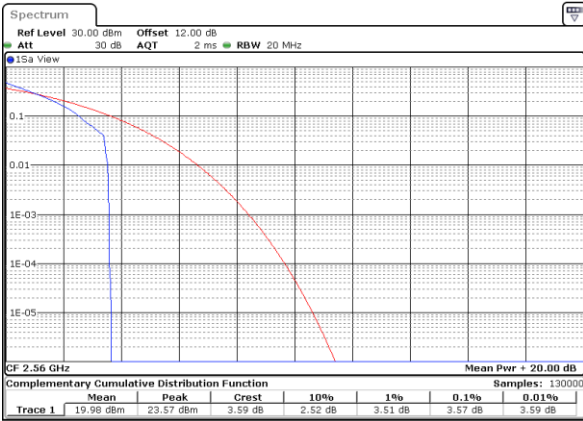
Date: 17_AUG.2020 18:58:10

Middle Channel / Full RB



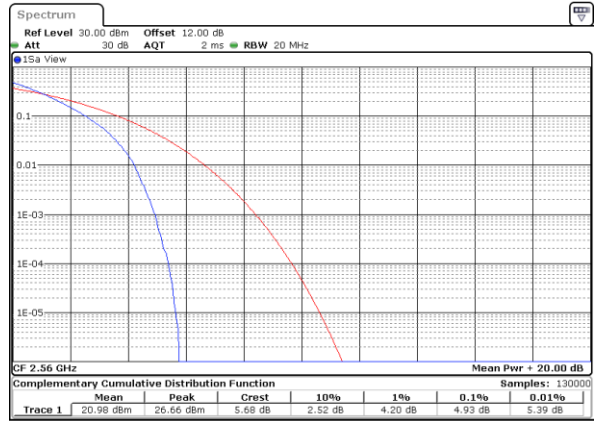
Date: 17_AUG.2020 18:58:23

Highest Channel / 1RB



Date: 17_AUG.2020 18:58:34

Highest Channel / Full RB

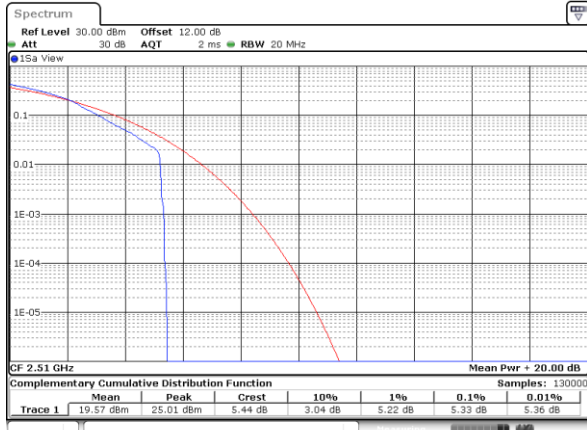


Date: 17_AUG.2020 18:58:45



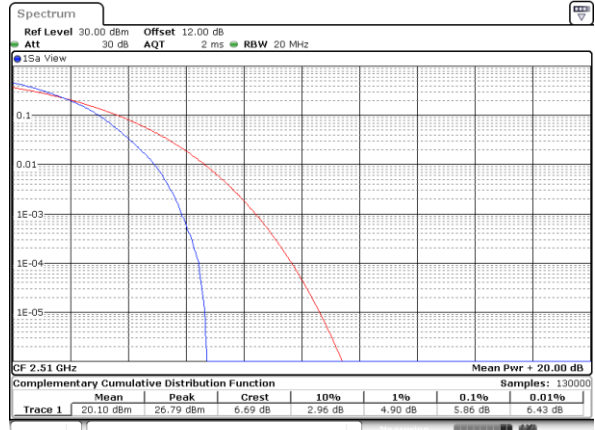
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



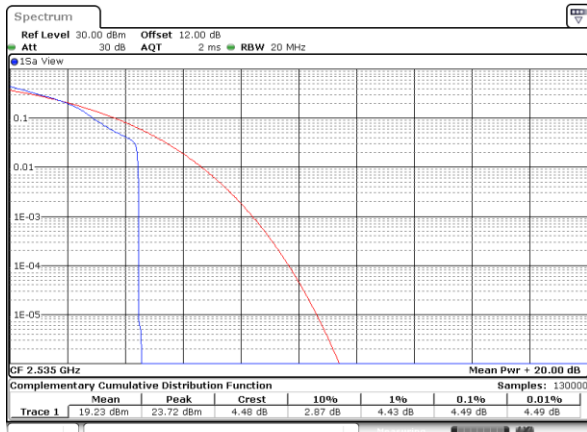
Date: 17_AUG.2020 18:56:22

Lowest Channel / Full RB



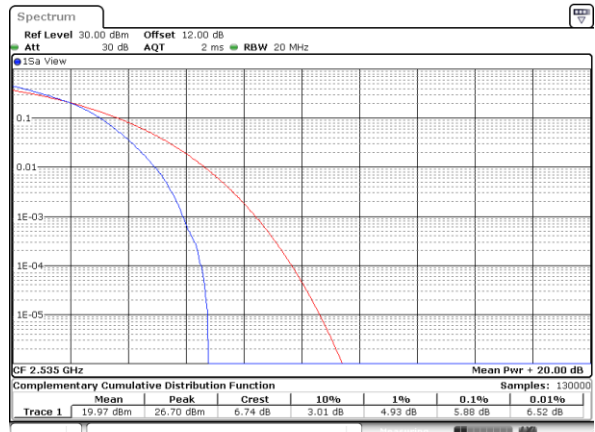
Date: 17_AUG.2020 18:56:33

Middle Channel / 1RB



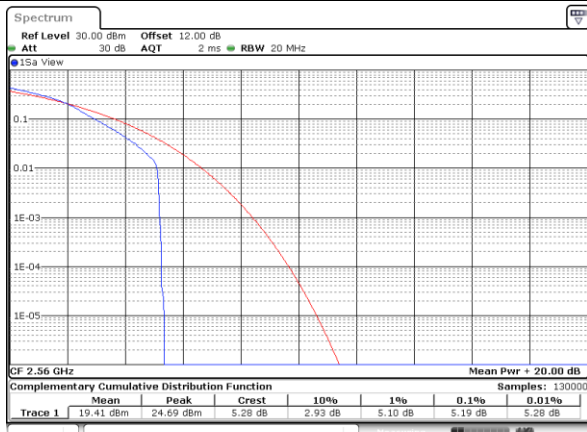
Date: 17_AUG.2020 18:56:44

Middle Channel / Full RB



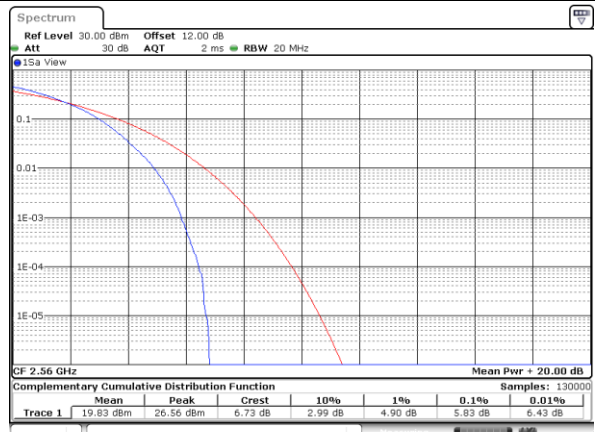
Date: 17_AUG.2020 18:56:54

Highest Channel / 1RB



Date: 17_AUG.2020 18:57:05

Highest Channel / Full RB

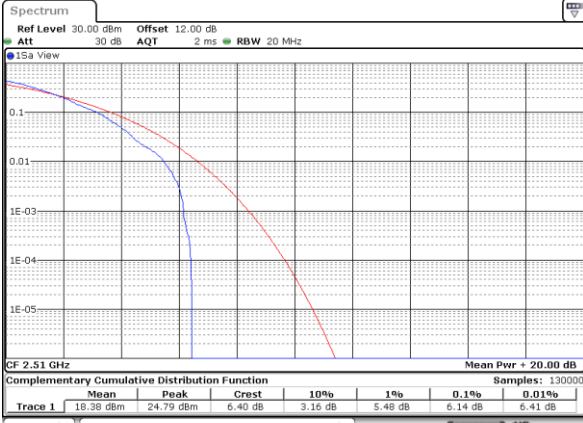


Date: 17_AUG.2020 18:57:36



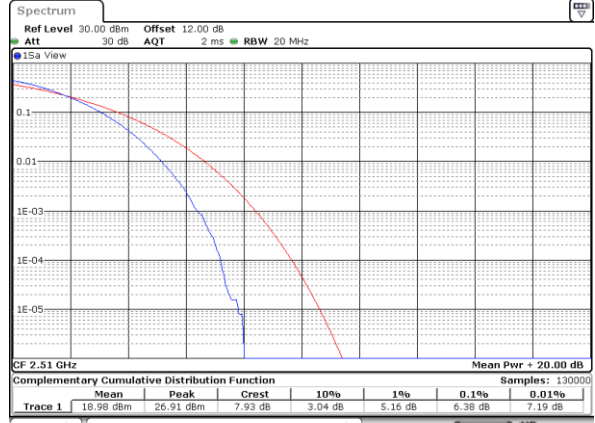
LTE Band 7 / 20MHz / 64QAM

Lowest Channel / 1RB



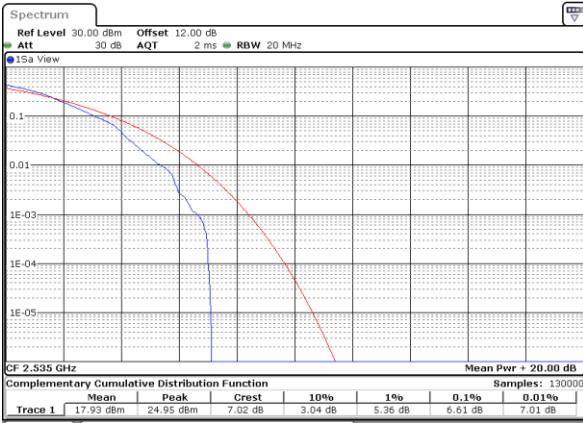
Date: 17_AUG.2020 18:58:55

Lowest Channel / Full RB



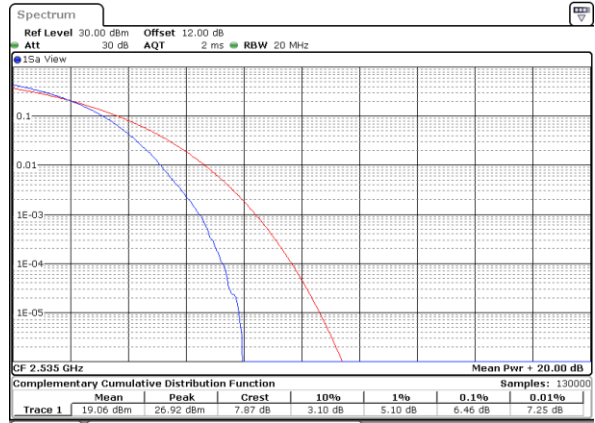
Date: 17_AUG.2020 18:59:06

Middle Channel / 1RB



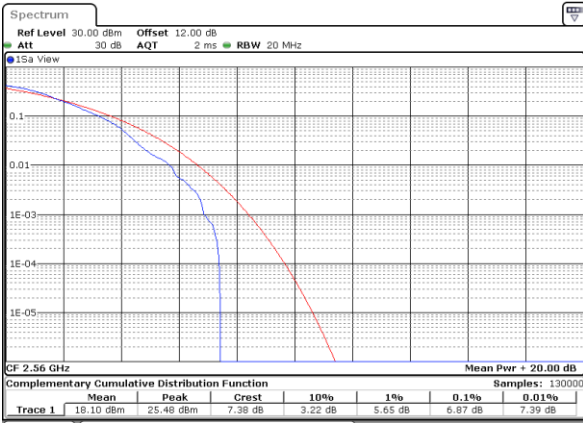
Date: 17_AUG.2020 18:59:17

Middle Channel / Full RB



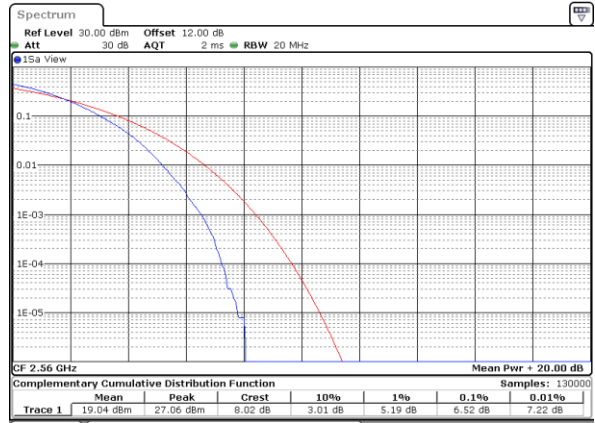
Date: 17_AUG.2020 18:59:27

Highest Channel / 1RB



Date: 17_AUG.2020 18:59:37

Highest Channel / Full RB

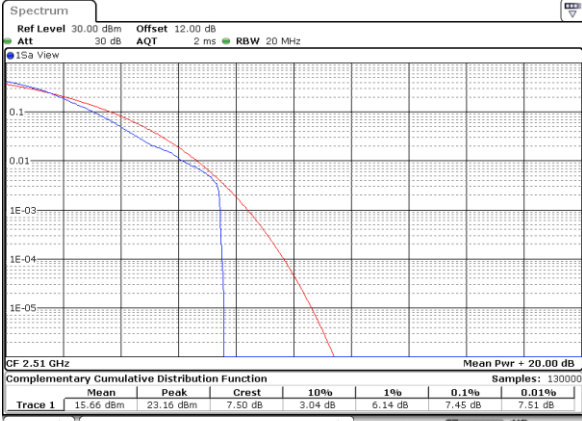


Date: 17_AUG.2020 18:59:48



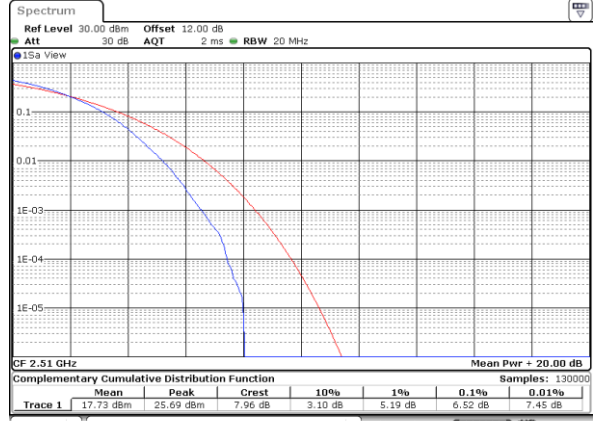
LTE Band 7 / 20MHz / 256QAM

Lowest Channel / 1RB



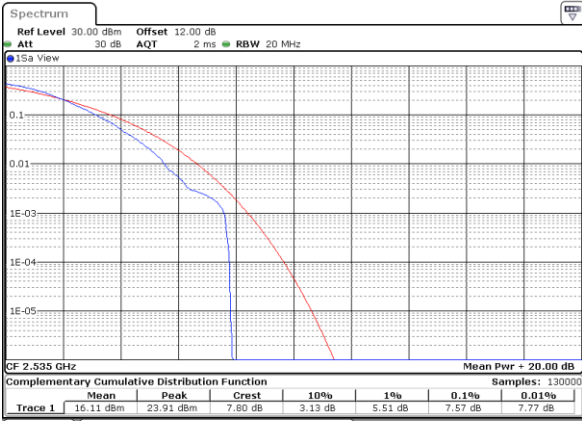
Date: 19_AUG.2020 09:48:04

Lowest Channel / Full RB



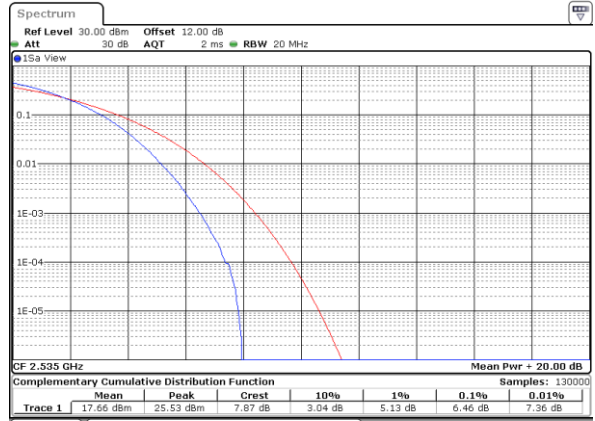
Date: 19_AUG.2020 09:47:114

Middle Channel / 1RB



Date: 19_AUG.2020 09:49:45

Middle Channel / Full RB



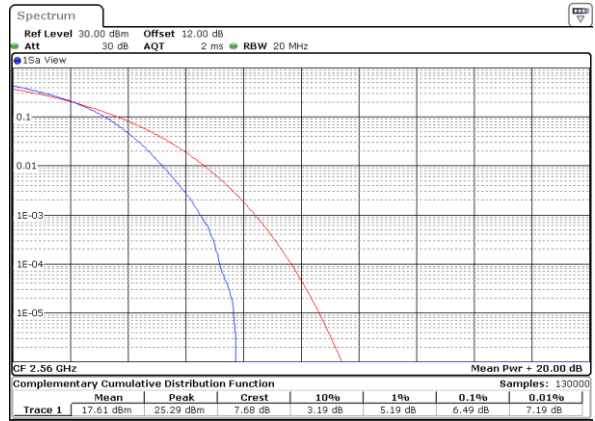
Date: 19_AUG.2020 09:49:130

Highest Channel / 1RB



Date: 19_AUG.2020 09:50:58

Highest Channel / Full RB



Date: 19_AUG.2020 09:50:45



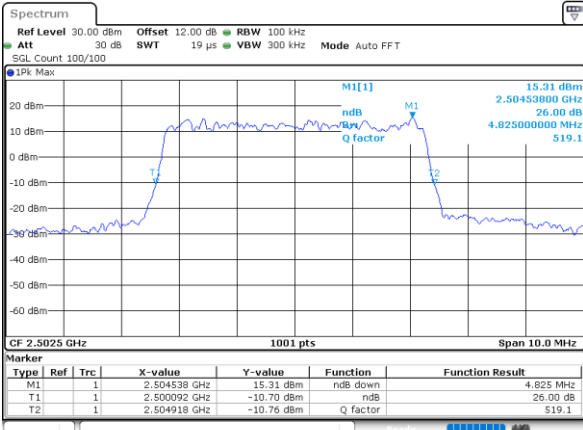
26dB Bandwidth

| Mode | LTE Band 7 : 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 | 4.87 | 9.79 | 9.73 | 14.39 | 14.48 | 18.86 | 19.18 |
| Middle CH | - | - | - | - | 4.86 | 4.88 | 9.71 | 9.69 | 14.39 | 14.21 | 19.02 | 19.02 |
| Highest CH | - | - | - | - | 4.82 | 4.97 | 9.77 | 9.69 | 14.21 | 14.33 | 18.86 | 18.86 |
| Mode | LTE Band 7 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Lowest CH | - | - | - | - | 4.90 | 4.90 | 9.63 | 9.95 | 14.39 | 14.48 | 18.98 | 18.94 |
| Middle CH | - | - | - | - | 4.89 | 4.94 | 9.71 | 9.71 | 14.09 | 14.63 | 18.98 | 19.02 |
| Highest CH | - | - | - | - | 4.90 | 4.92 | 9.77 | 9.85 | 14.57 | 14.54 | 19.06 | 18.78 |



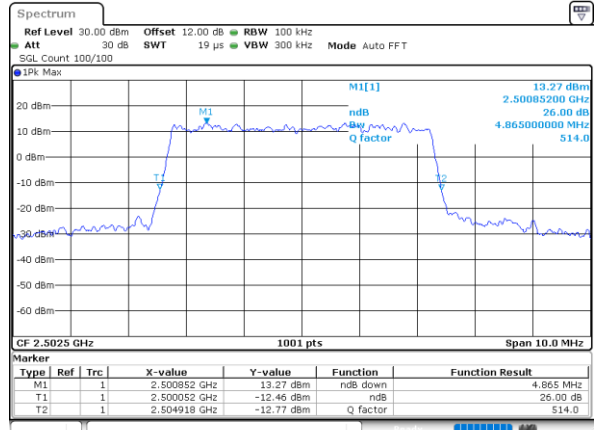
LTE Band 7

Lowest Channel / 5MHz / QPSK



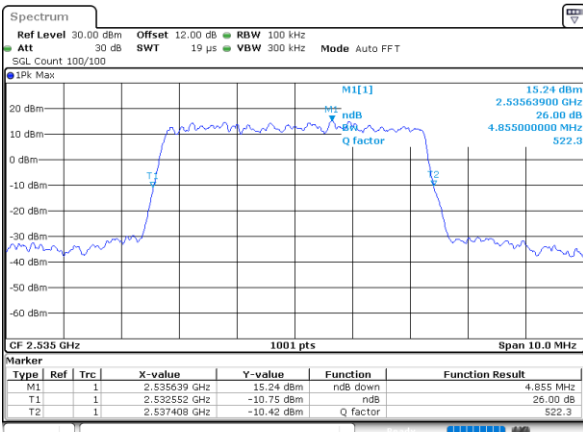
Date: 17_AUG.2020 17:23:45

Lowest Channel / 5MHz / 16QAM



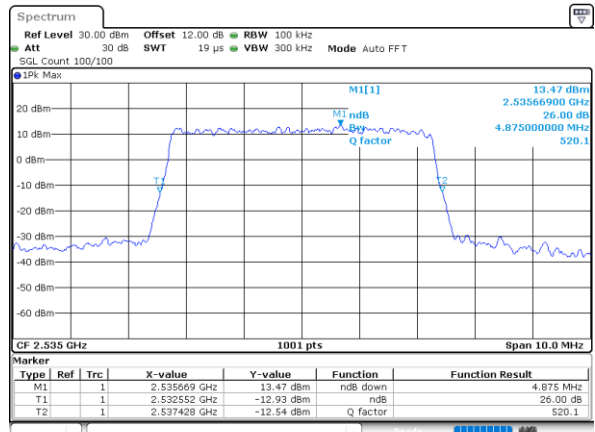
Date: 17_AUG.2020 17:23:57

Middle Channel / 5MHz / QPSK



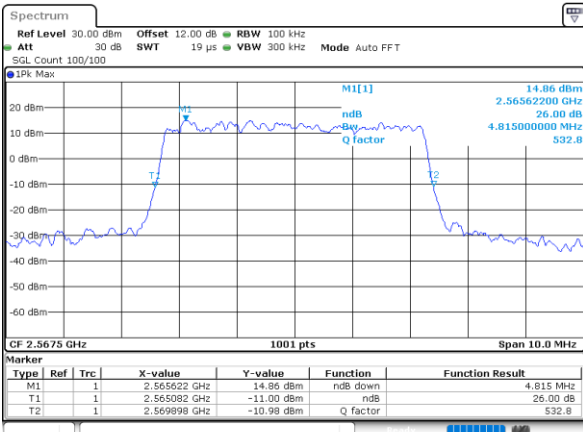
Date: 17_AUG.2020 17:28:52

Middle Channel / 5MHz / 16QAM



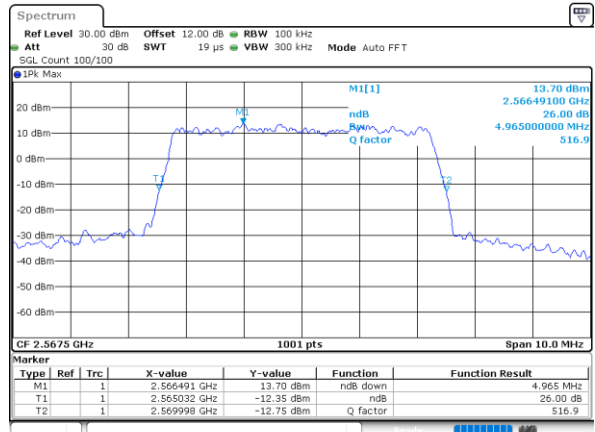
Date: 17_AUG.2020 17:29:03

Highest Channel / 5MHz / QPSK



Date: 17_AUG.2020 17:31:16

Highest Channel / 5MHz / 16QAM

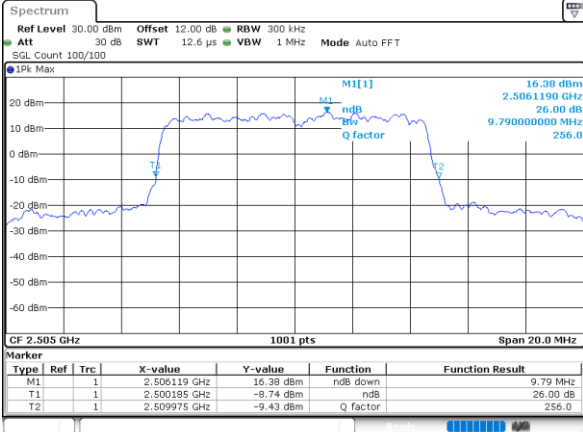


Date: 17_AUG.2020 17:31:27



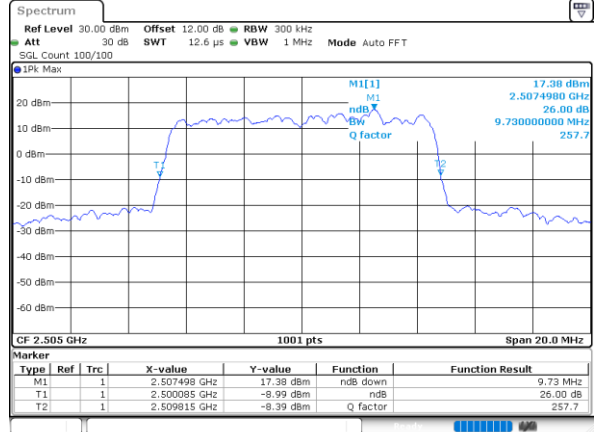
LTE Band 7

Lowest Channel / 10MHz / QPSK



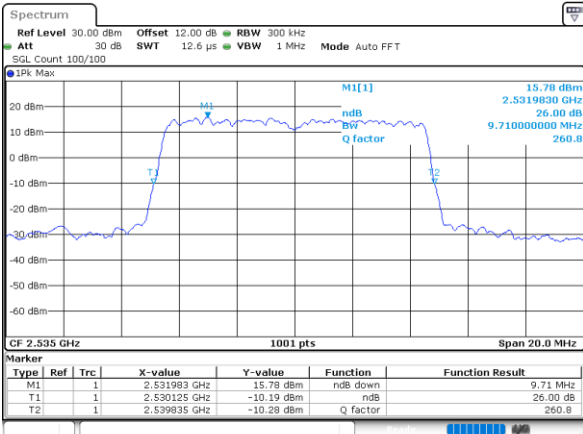
Date: 17_AUG.2020 17:42:12

Lowest Channel / 10MHz / 16QAM



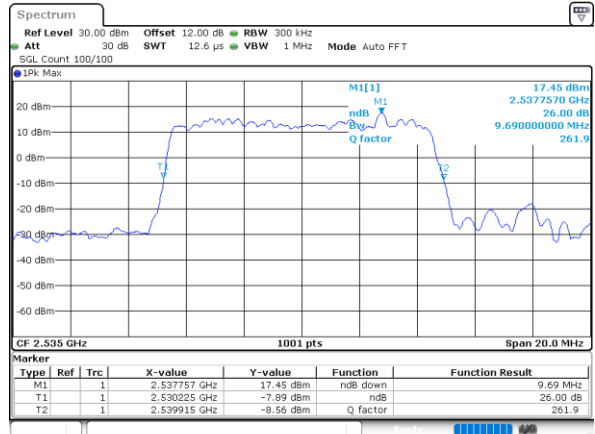
Date: 17_AUG.2020 17:42:54

Middle Channel / 10MHz / QPSK



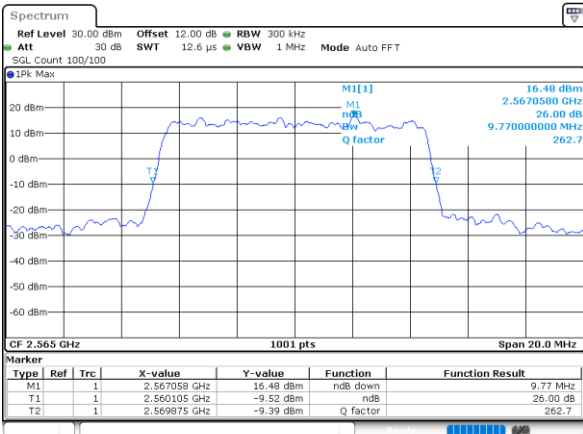
Date: 17_AUG.2020 17:47:48

Middle Channel / 10MHz / 16QAM



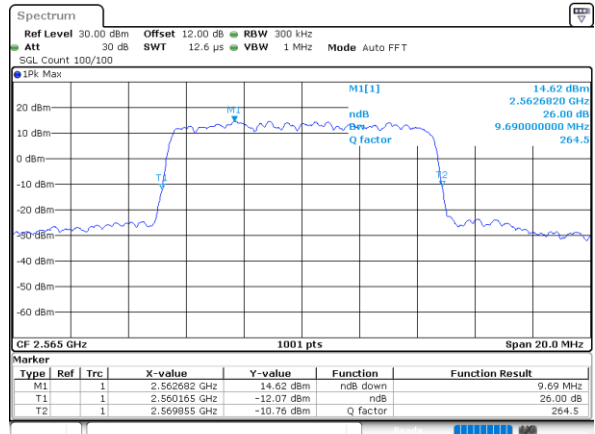
Date: 17_AUG.2020 17:47:59

Highest Channel / 10MHz / QPSK



Date: 17_AUG.2020 17:50:11

Highest Channel / 10MHz / 16QAM

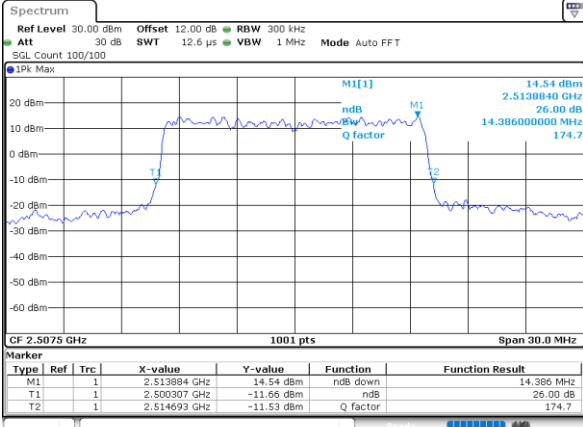


Date: 17_AUG.2020 17:50:23



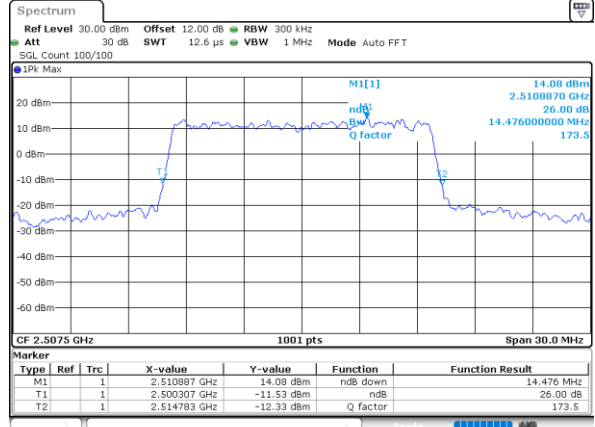
LTE Band 7

Lowest Channel / 15MHz / QPSK



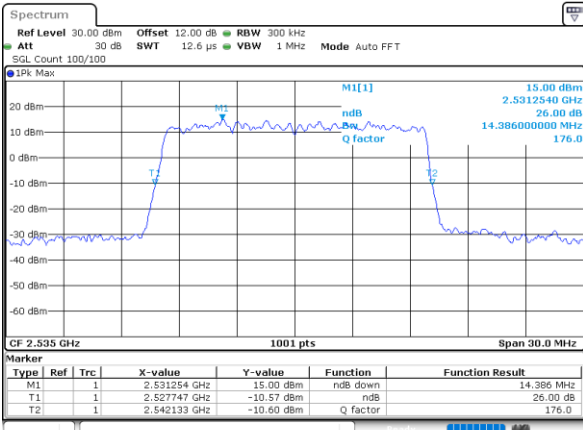
Date: 17_AUG.2020 18:16:52

Lowest Channel / 15MHz / 16QAM



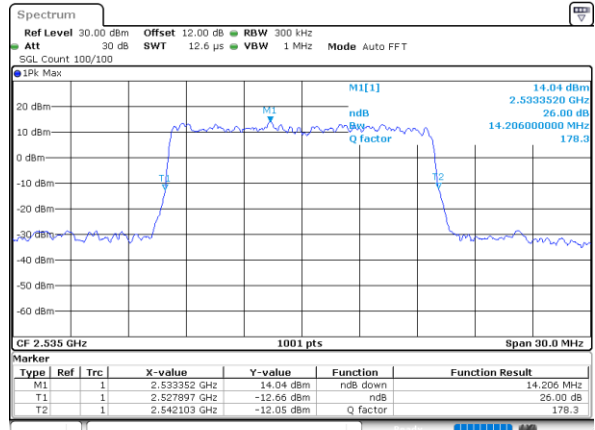
Date: 17_AUG.2020 18:17:04

Middle Channel / 15MHz / QPSK



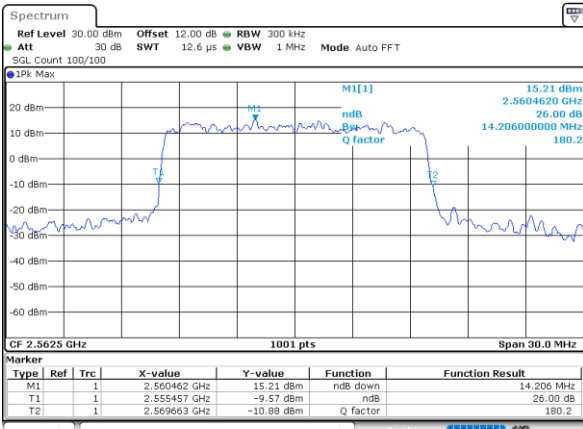
Date: 17_AUG.2020 18:21:59

Middle Channel / 15MHz / 16QAM



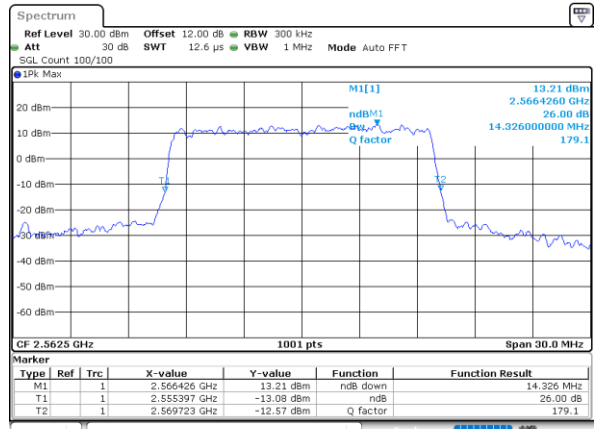
Date: 17_AUG.2020 18:22:10

Highest Channel / 15MHz / QPSK



Date: 17_AUG.2020 18:24:23

Highest Channel / 15MHz / 16QAM

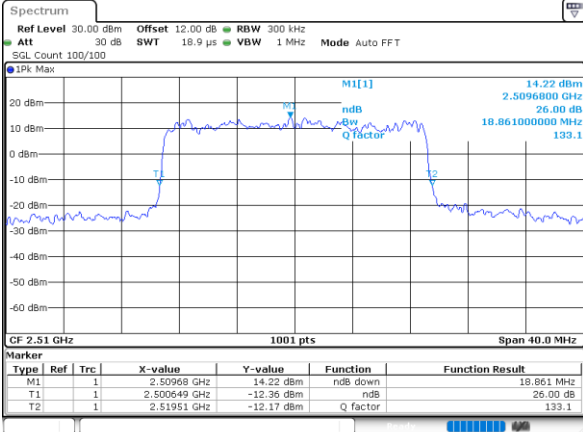


Date: 17_AUG.2020 18:24:35



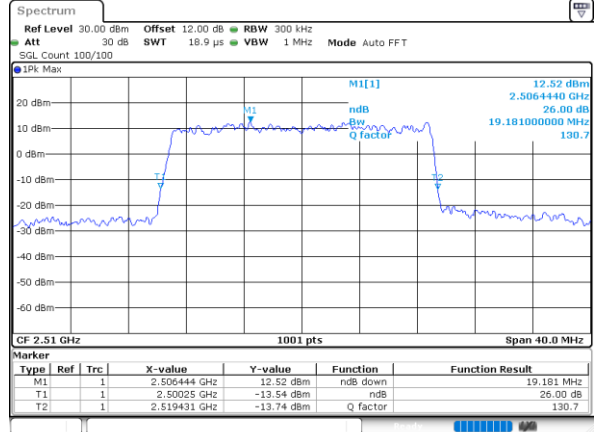
LTE Band 7

Lowest Channel / 20MHz / QPSK



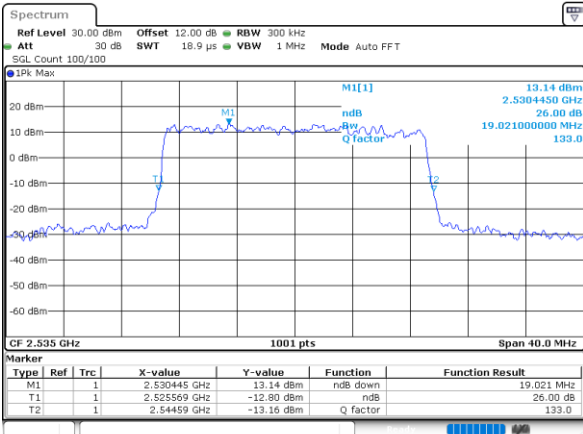
Date: 17_AUG.2020 18:35:50

Lowest Channel / 20MHz / 16QAM



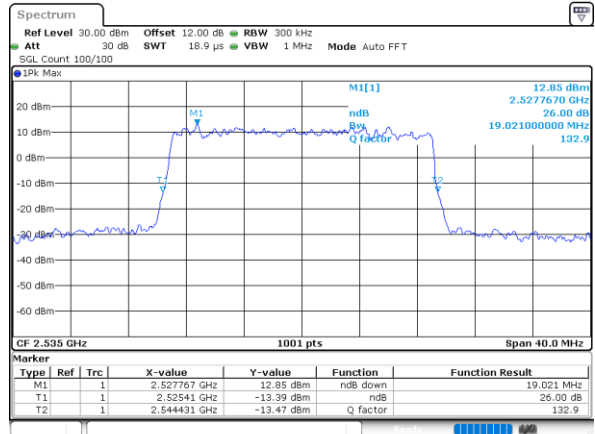
Date: 17_AUG.2020 18:36:01

Middle Channel / 20MHz / QPSK



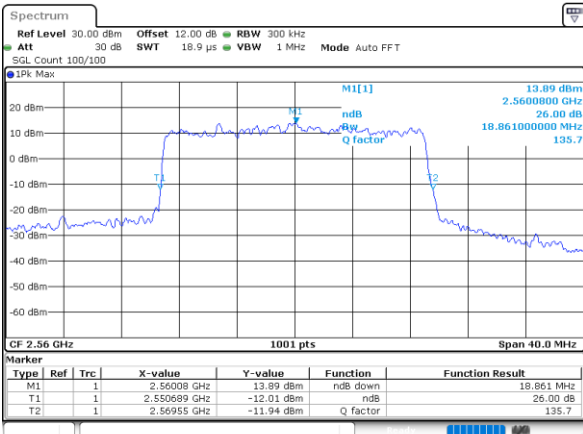
Date: 17_AUG.2020 18:40:57

Middle Channel / 20MHz / 16QAM



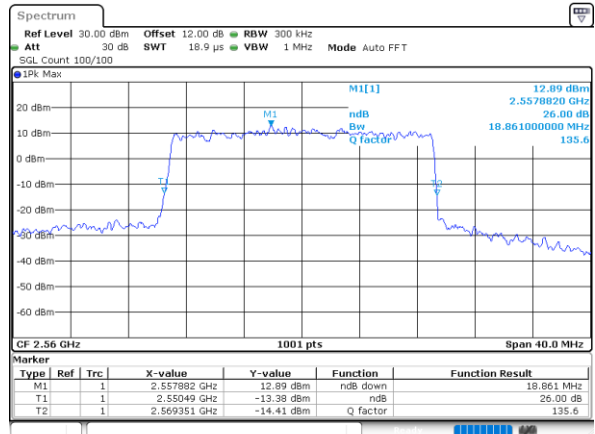
Date: 17_AUG.2020 18:41:08

Highest Channel / 20MHz / QPSK



Date: 17_AUG.2020 18:43:21

Highest Channel / 20MHz / 16QAM

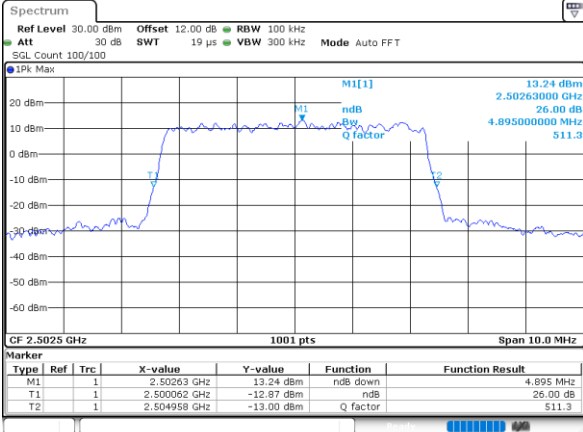


Date: 17_AUG.2020 18:43:33



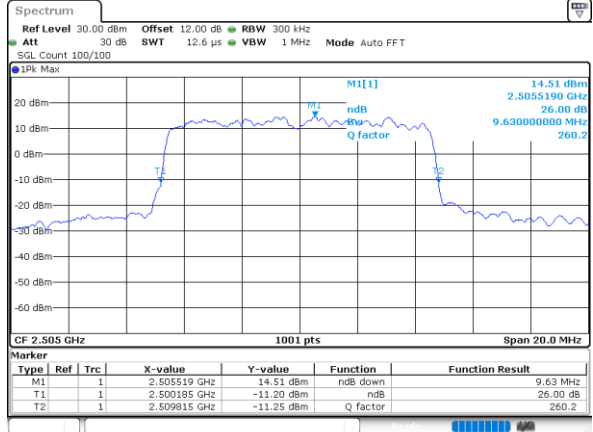
LTE Band 7

Lowest Channel / 5MHz / 64QAM



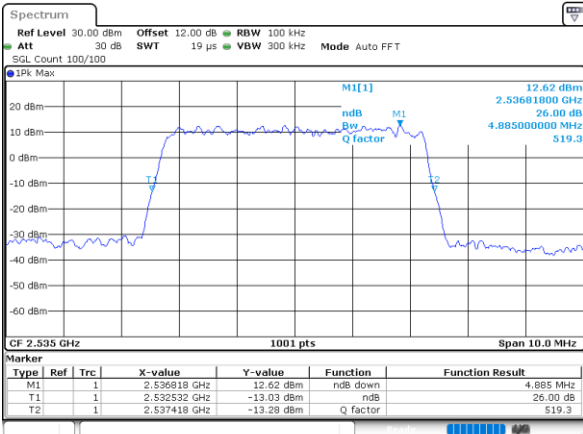
Date: 17_AUG.2020 17:36:11

Lowest Channel / 10MHz / 64QAM



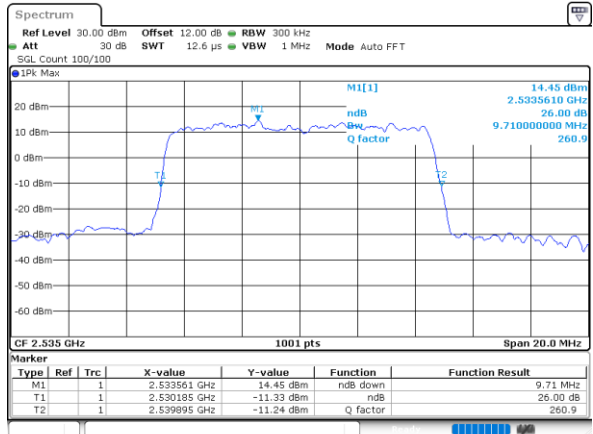
Date: 17_AUG.2020 17:55:06

Middle Channel / 5MHz / 64QAM



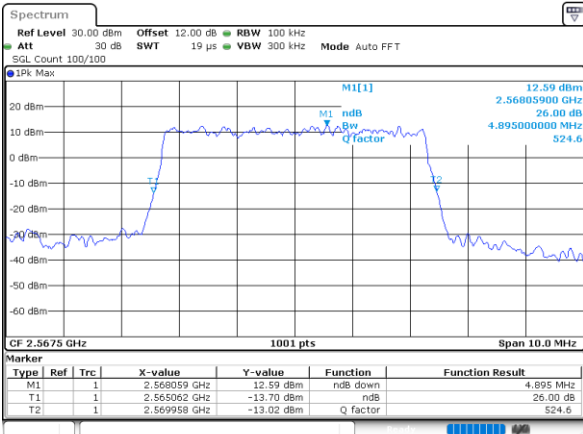
Date: 17_AUG.2020 17:38:44

Middle Channel / 10MHz / 64QAM



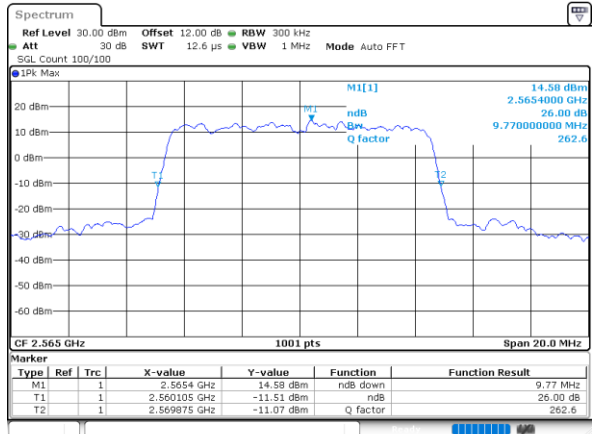
Date: 17_AUG.2020 18:12:54

Highest Channel / 5MHz / 64QAM



Date: 17_AUG.2020 17:39:56

Highest Channel / 10MHz / 64QAM



Date: 17_AUG.2020 18:14:06