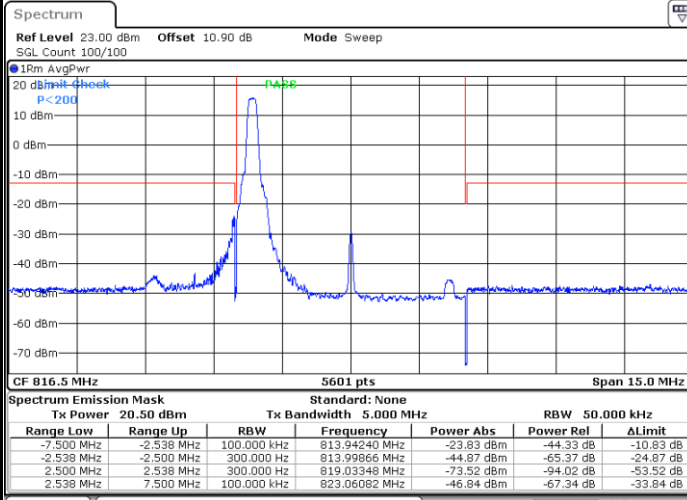




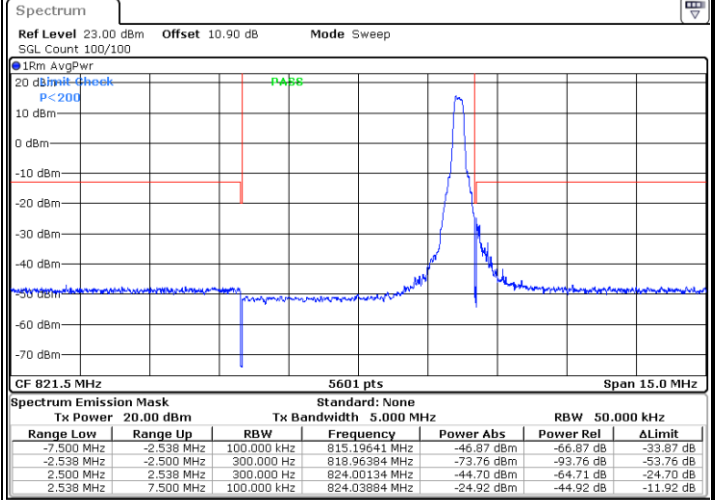
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



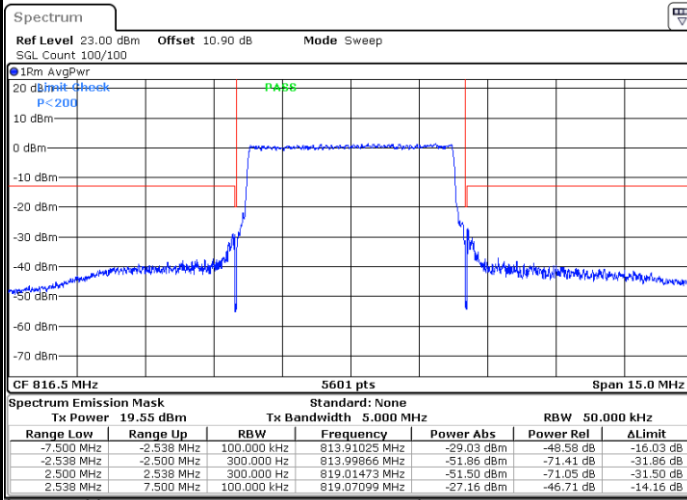
Date: 20.APR.2022 21:35:35

Highest Band Edge / 1 RB



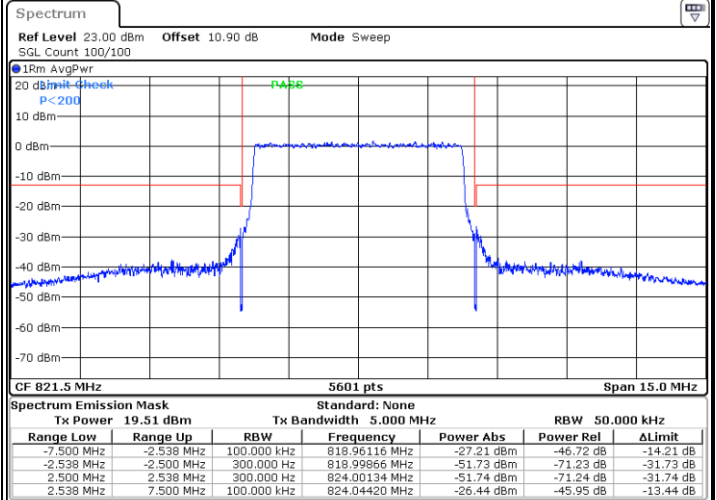
Date: 20.APR.2022 21:37:40

Lowest Band Edge / Full RB



Date: 20.APR.2022 21:36:38

Highest Band Edge / Full RB

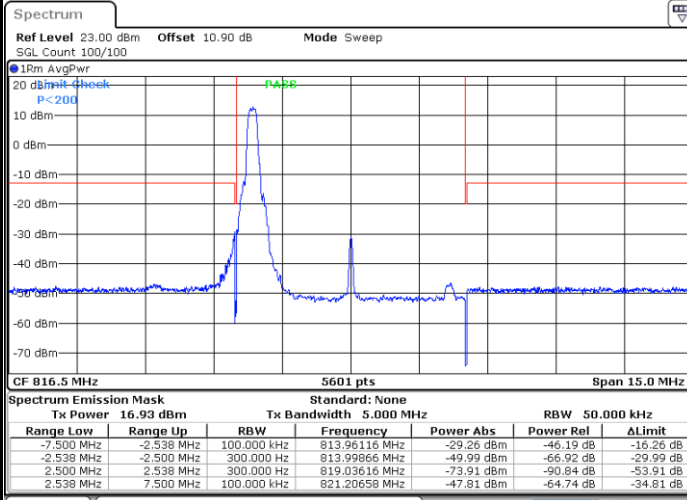


Date: 20.APR.2022 21:38:43



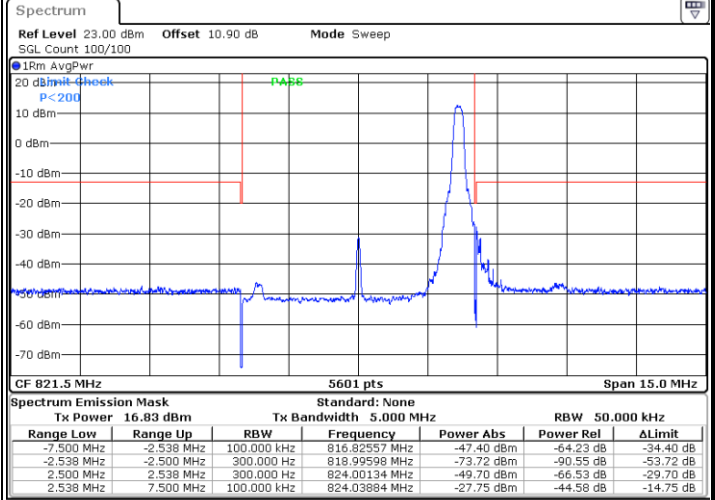
LTE Band 26 / 5MHz / 256QAM

Lowest Band Edge / 1RB



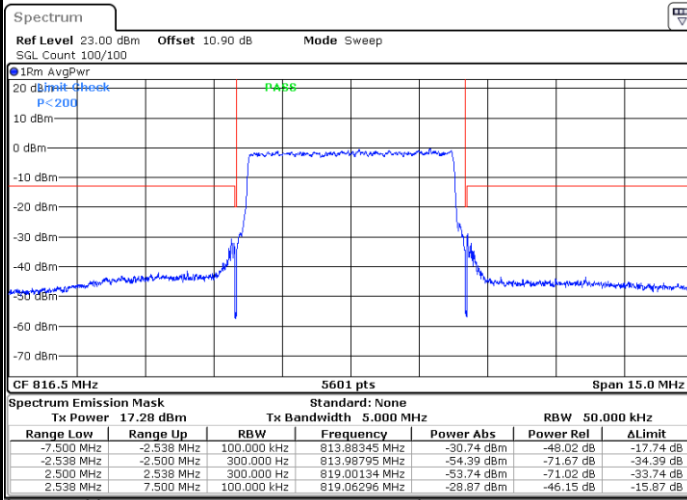
Date: 27.APR.2022 22:55:05

Highest Band Edge / 1 RB



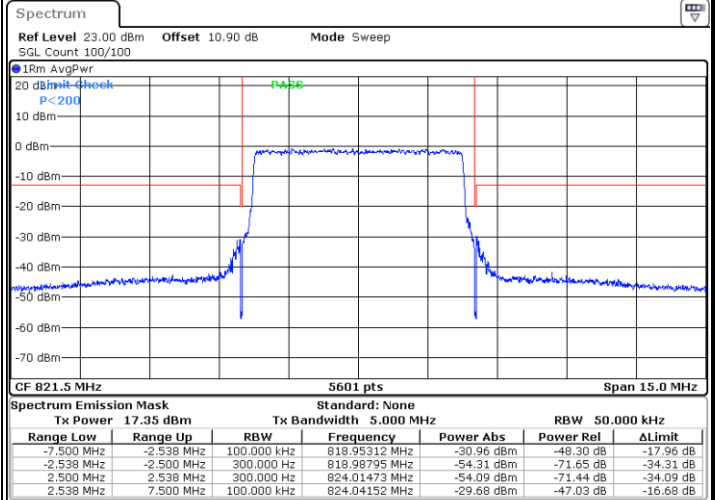
Date: 27.APR.2022 22:57:16

Lowest Band Edge / Full RB



Date: 27.APR.2022 22:56:11

Highest Band Edge / Full RB

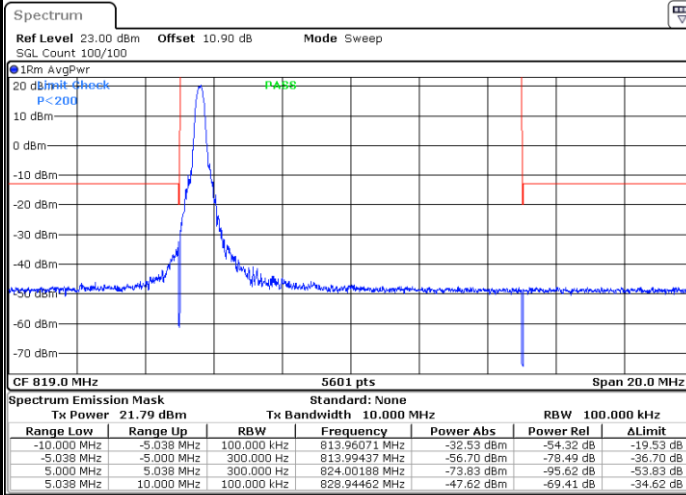


Date: 27.APR.2022 22:58:22



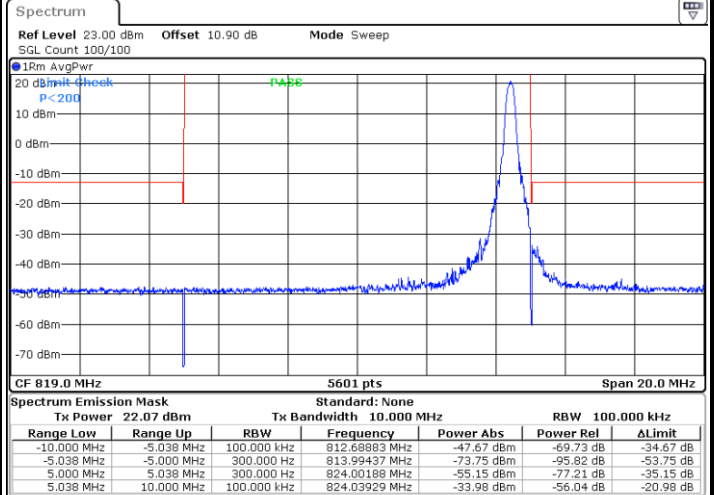
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



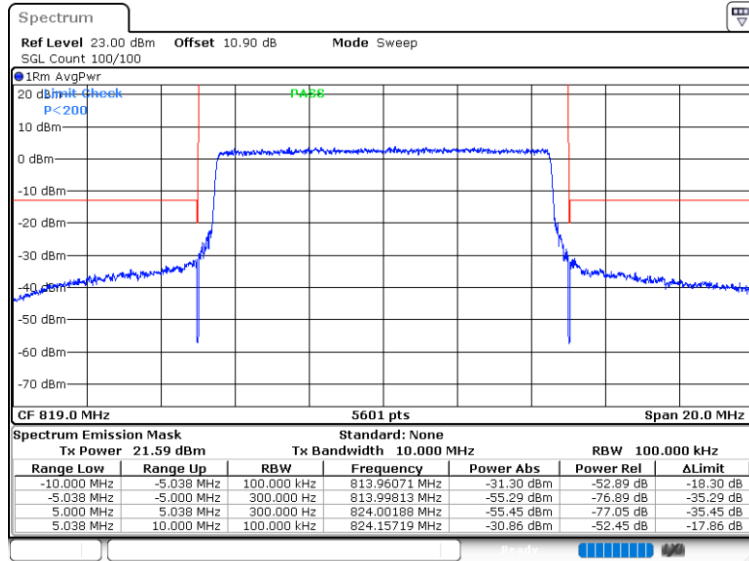
Date: 20.APR.2022 21:13:54

Highest Band Edge / 1 RB



Date: 20.APR.2022 21:15:59

Lowest Band Edge / Full RB

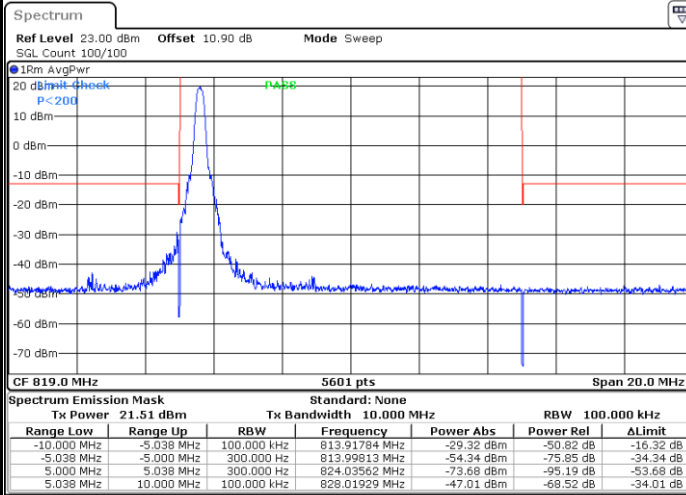


Date: 20.APR.2022 21:18:05



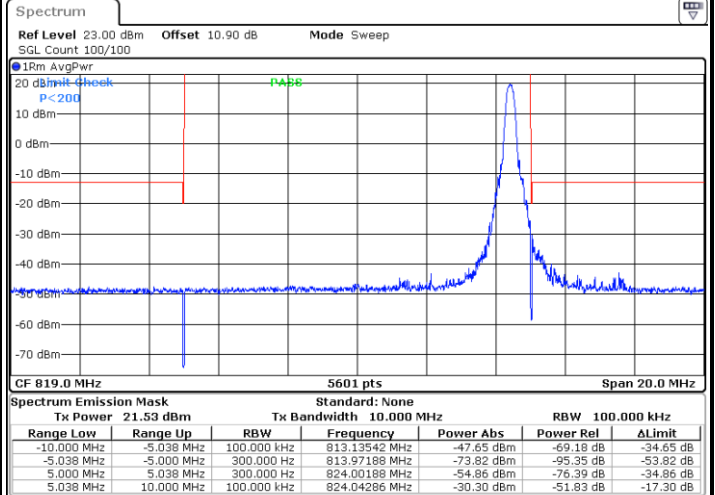
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



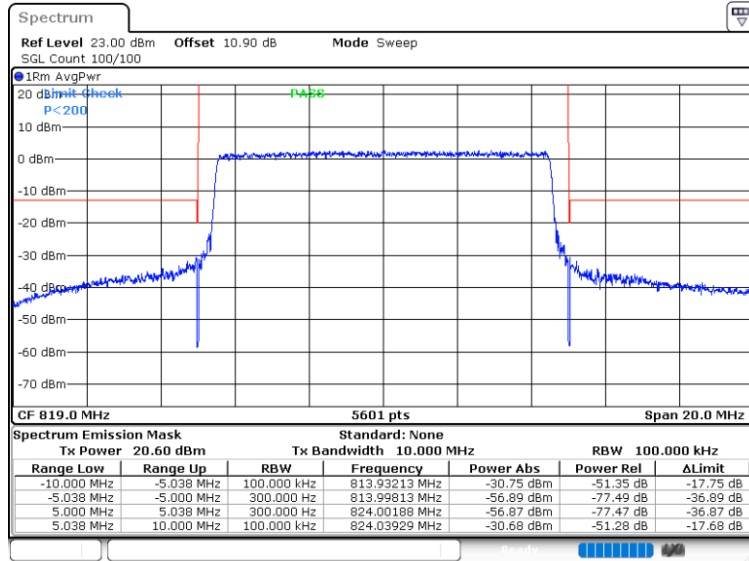
Date: 20.APR.2022 21:14:57

Highest Band Edge / 1 RB



Date: 20.APR.2022 21:17:02

Lowest Band Edge / Full RB

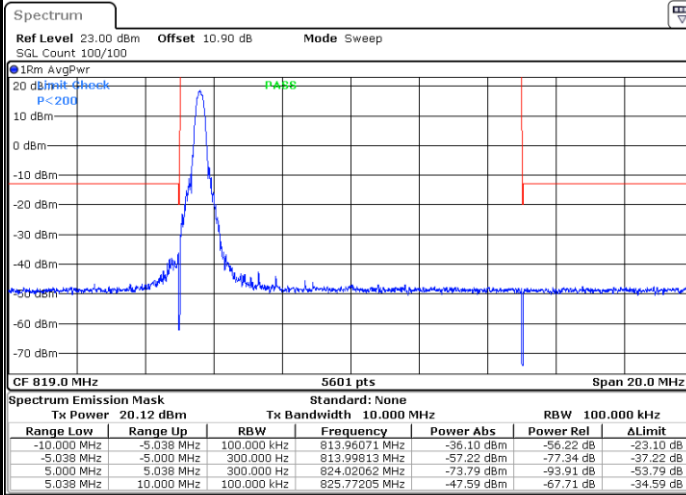


Date: 20.APR.2022 21:19:07



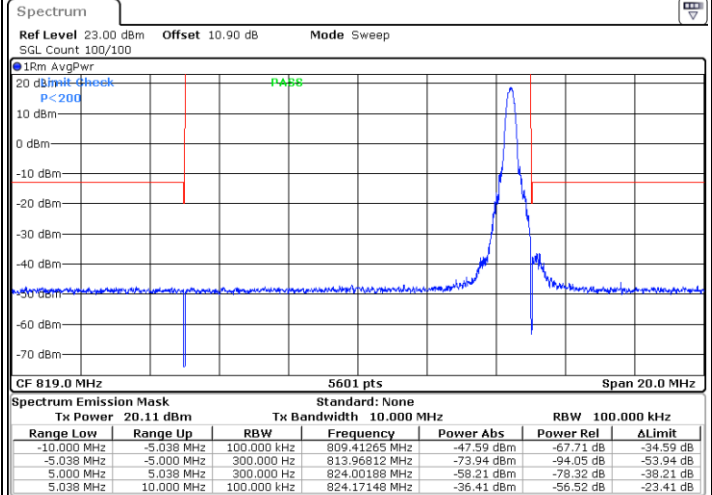
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



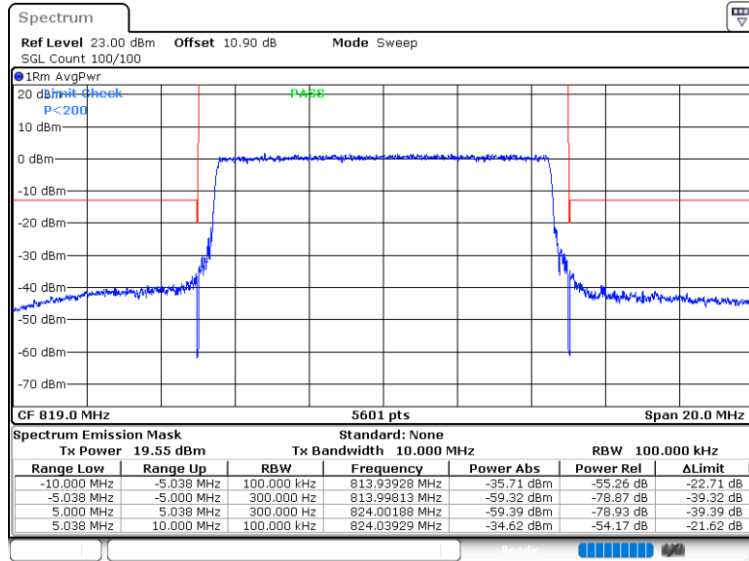
Date: 20.APR.2022 21:39:46

Highest Band Edge / 1 RB



Date: 20.APR.2022 21:40:48

Lowest Band Edge / Full RB

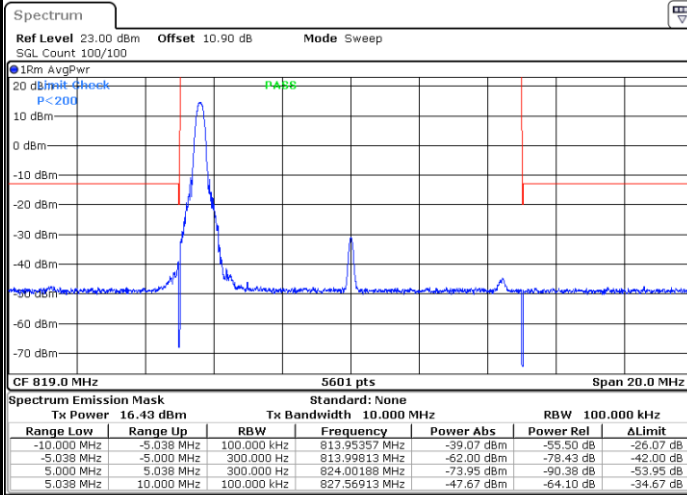


Date: 20.APR.2022 21:41:51



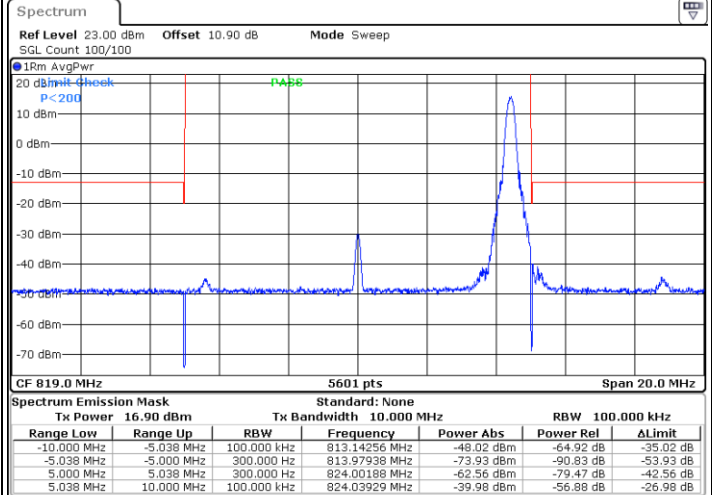
LTE Band 26 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



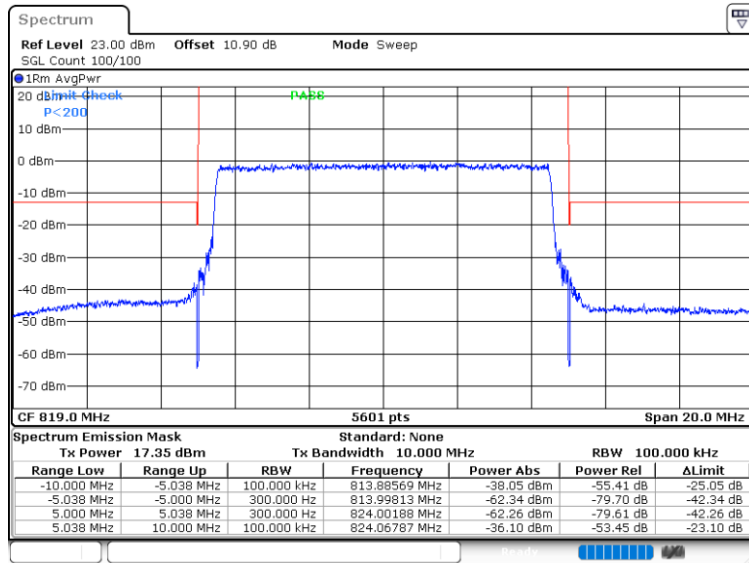
Date: 27.APR.2022 23:02:07

Highest Band Edge / 1 RB



Date: 27.APR.2022 23:03:13

Lowest Band Edge / Full RB

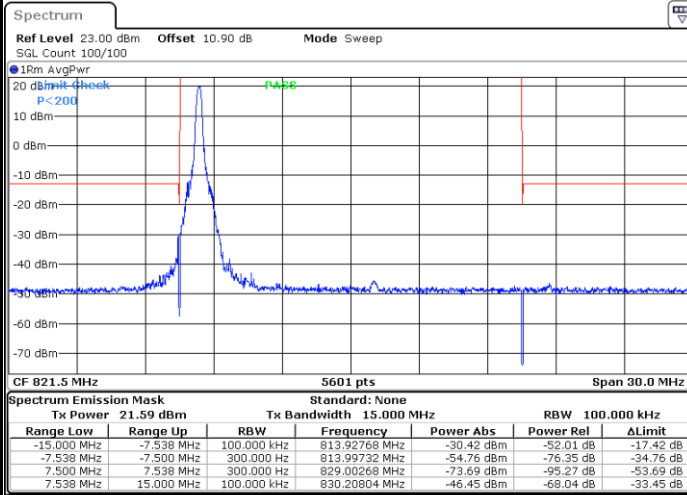


Date: 27.APR.2022 23:04:18



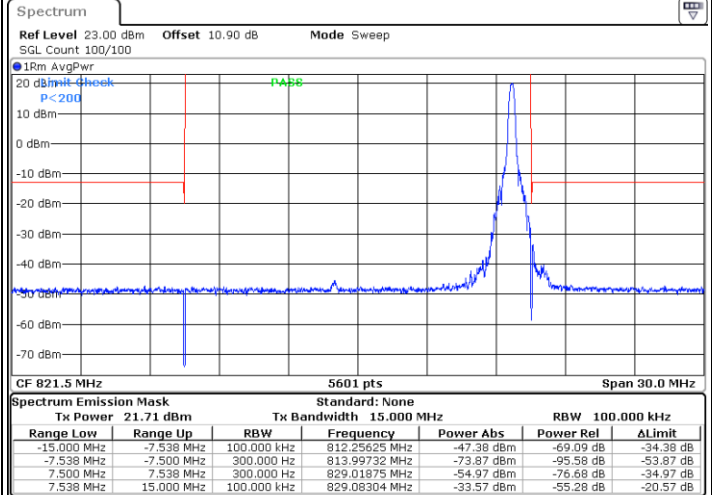
LTE Band 26 / 15MHz / QPSK

Lowest Band Edge / 1 RB



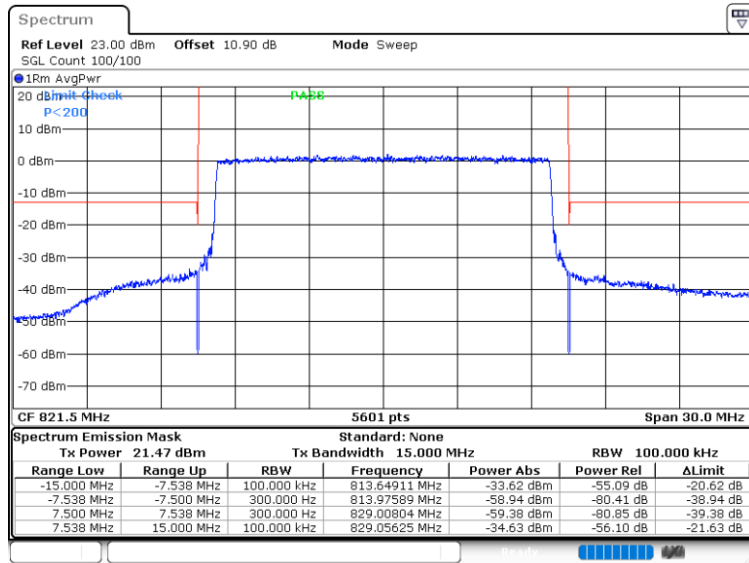
Date: 20.APR.2022 21:25:06

Highest Band Edge / 1 RB



Date: 20.APR.2022 21:27:12

Lowest Band Edge / Full RB

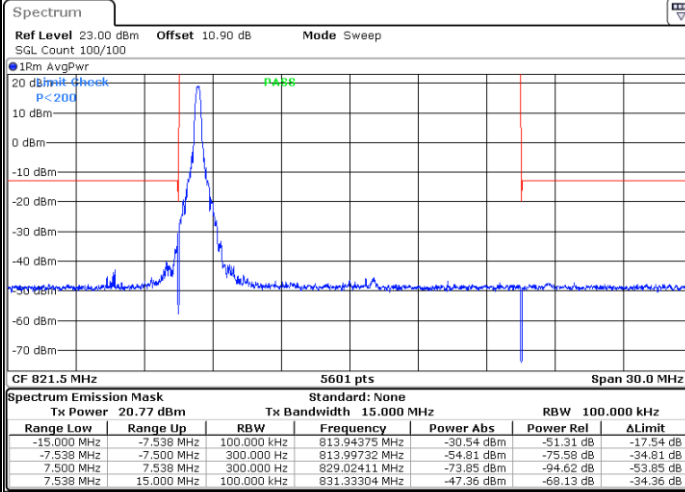


Date: 20.APR.2022 21:29:17



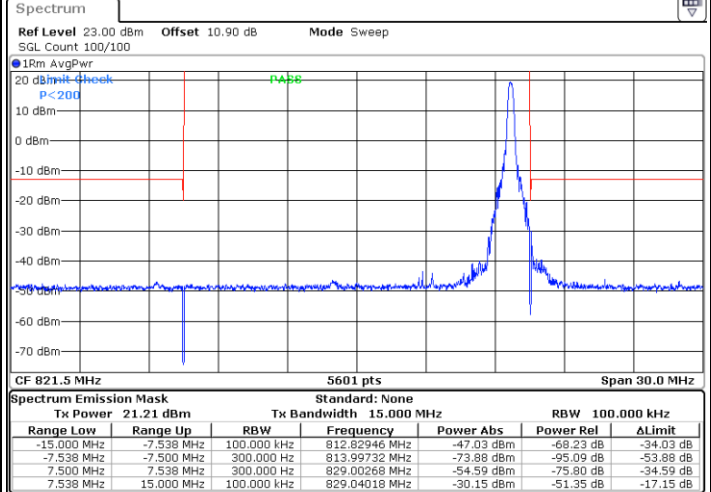
LTE Band 26 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



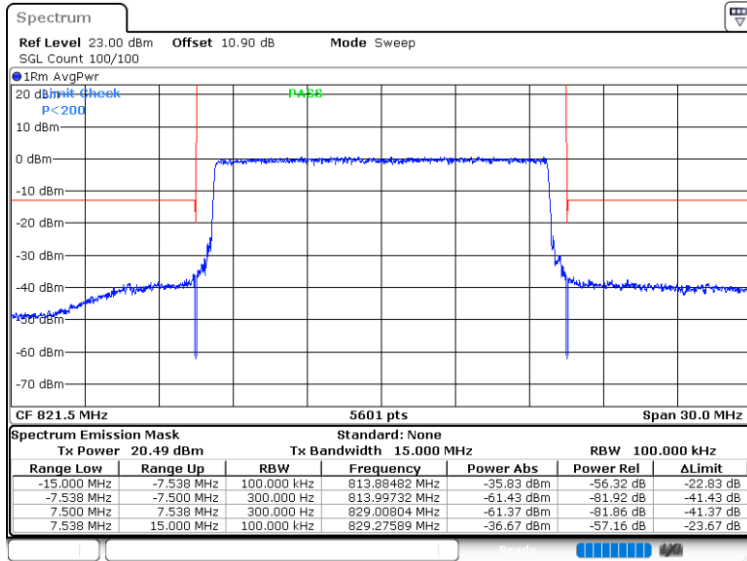
Date: 20.APR.2022 21:26:09

Highest Band Edge / 1 RB



Date: 20.APR.2022 21:28:14

Lowest Band Edge / Full RB

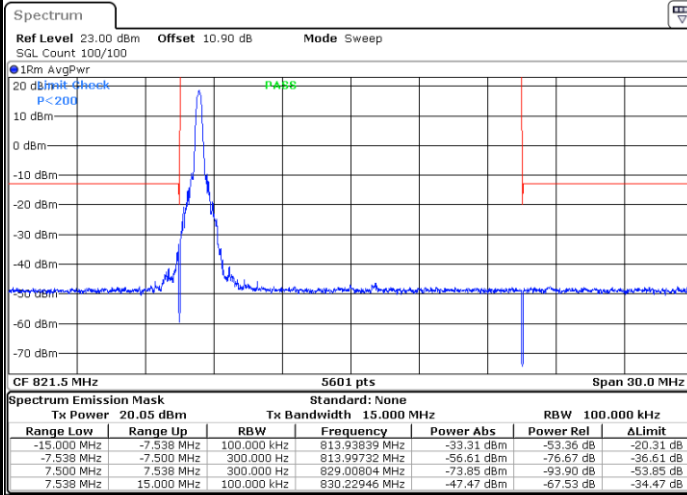


Date: 20.APR.2022 21:30:20



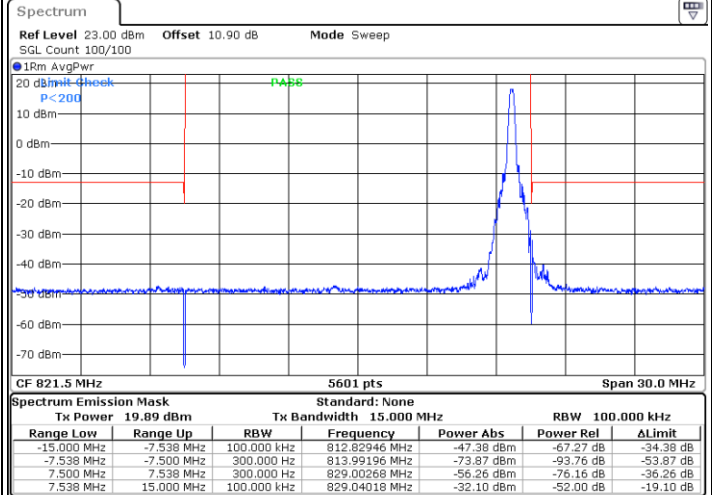
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



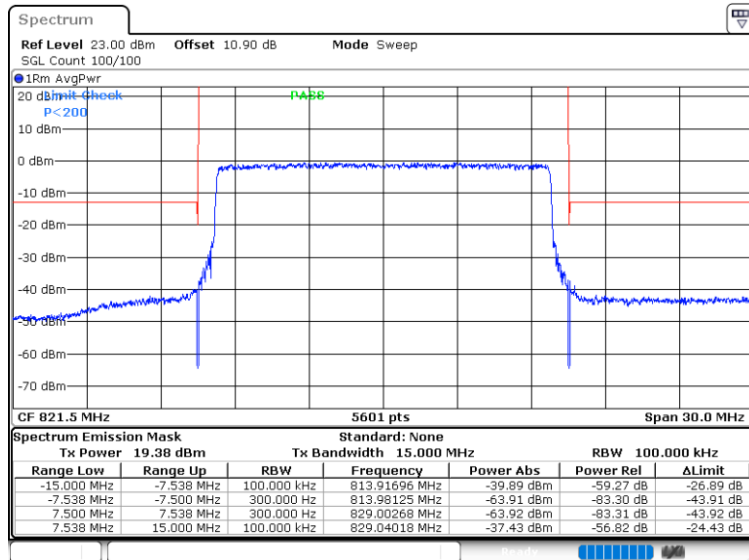
Date: 20.APR.2022 21:42:54

Highest Band Edge / 1 RB



Date: 20.APR.2022 21:43:57

Lowest Band Edge / Full RB

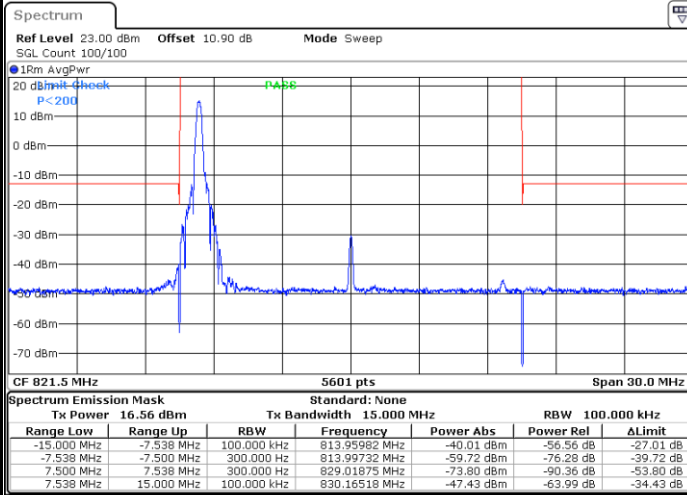


Date: 20.APR.2022 21:44:59



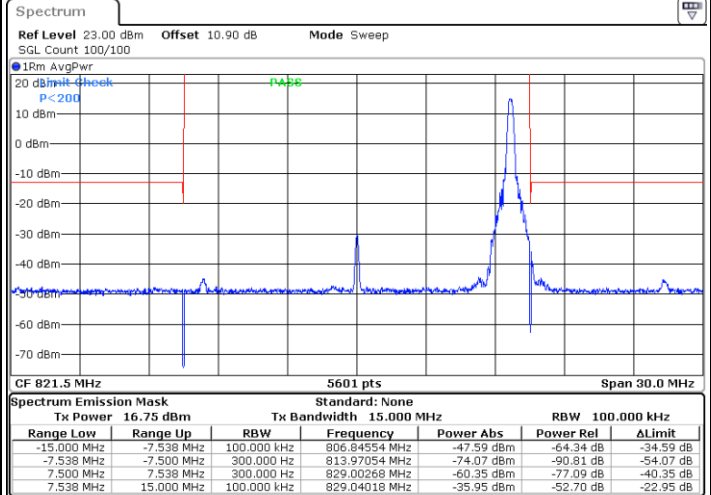
LTE Band 26 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



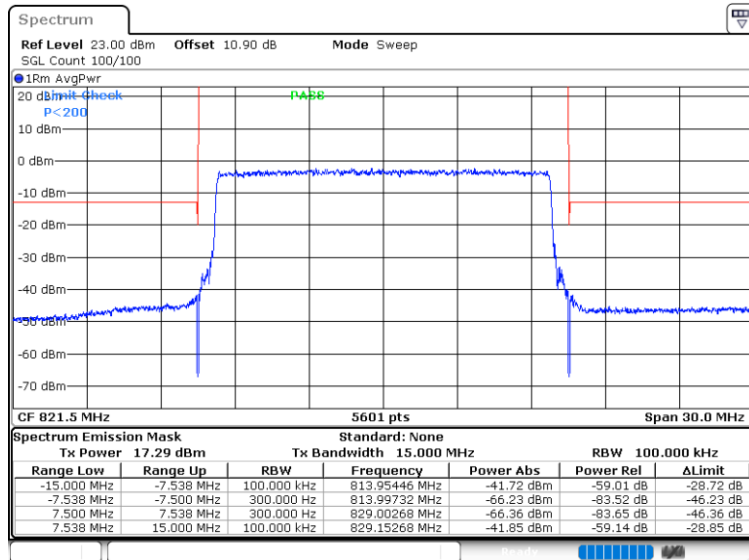
Date: 27.APR.2022 23:07:21

Highest Band Edge / 1 RB



Date: 27.APR.2022 23:08:27

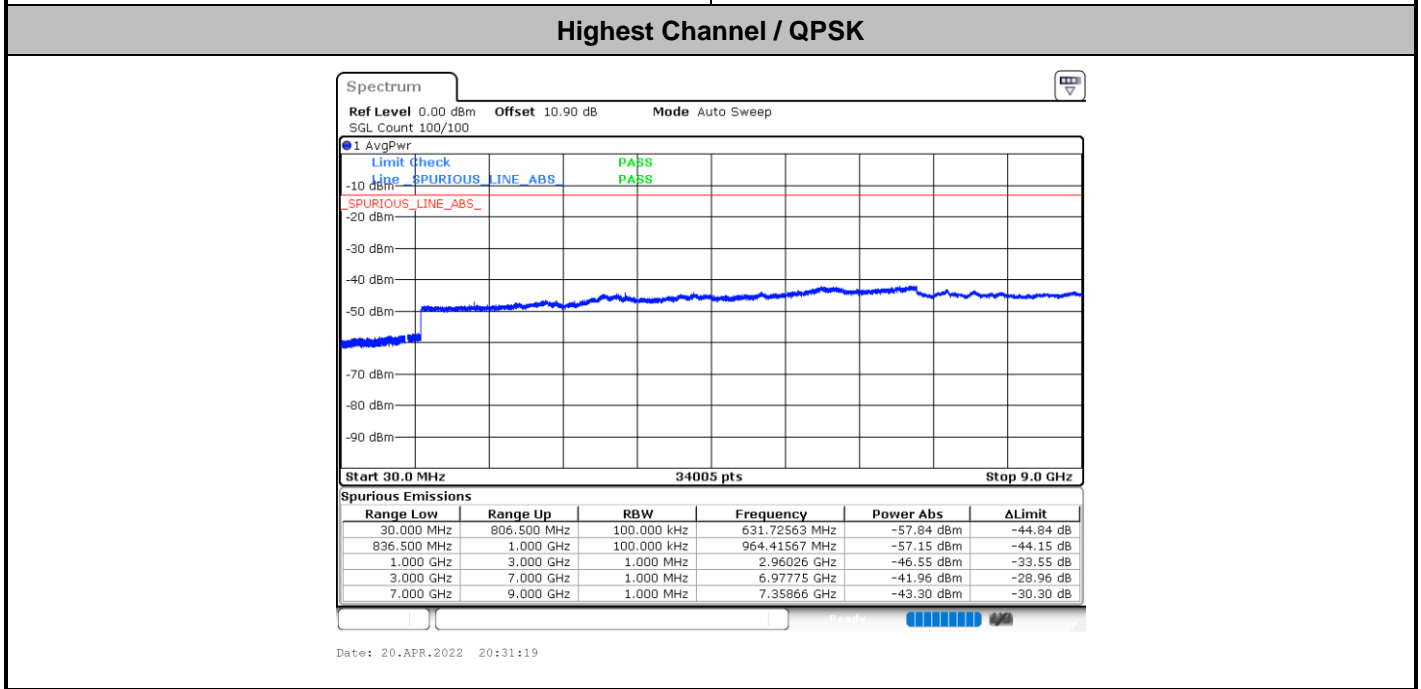
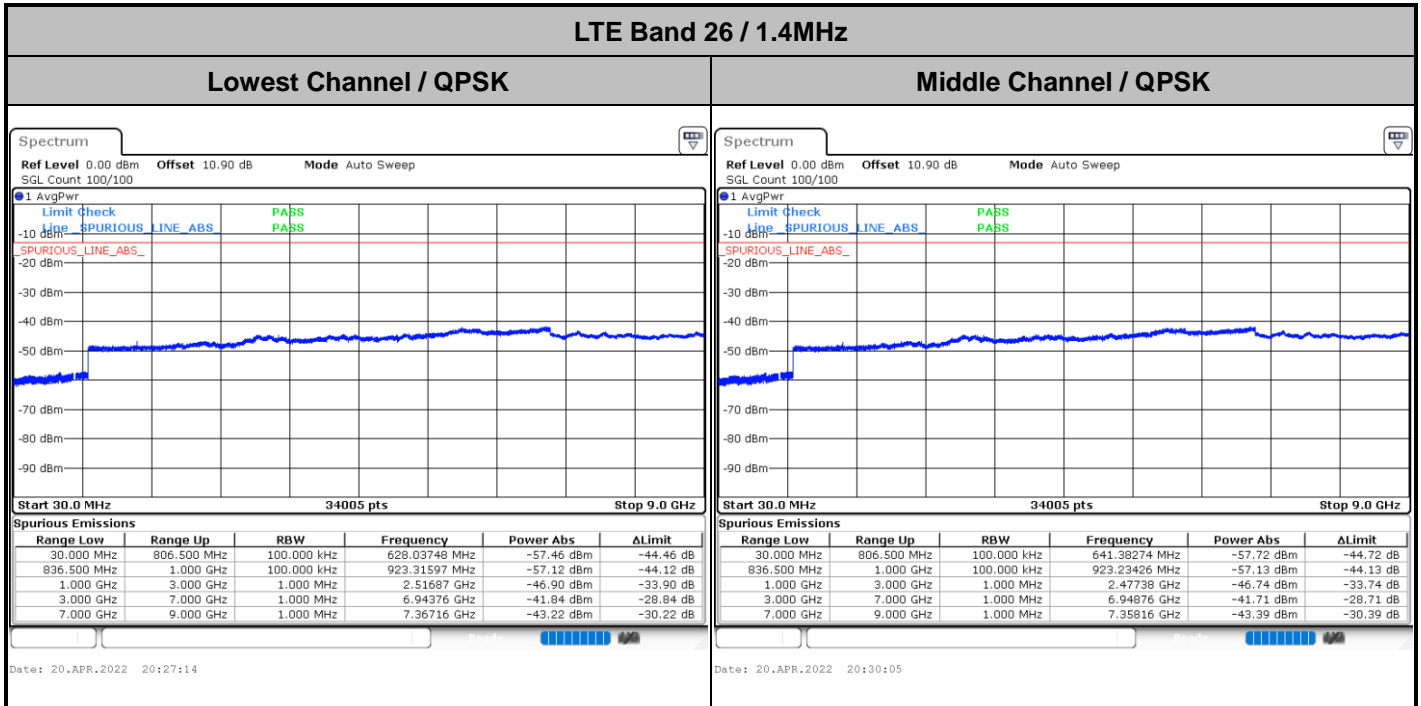
Lowest Band Edge / Full RB



Date: 27.APR.2022 23:09:32



Emission masks – Out of band emissions

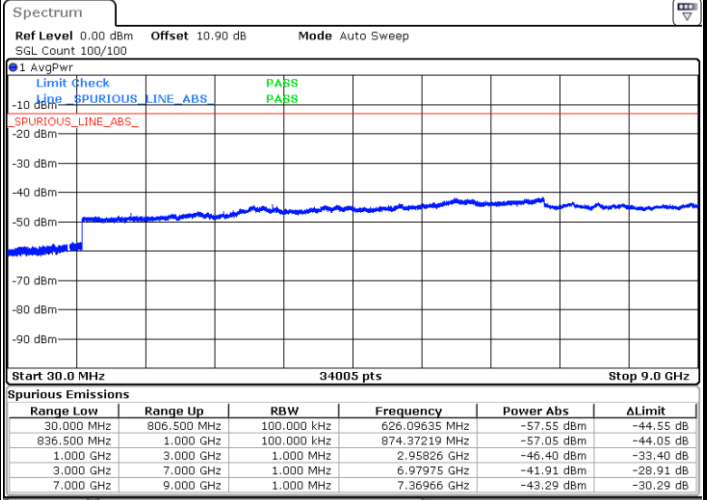
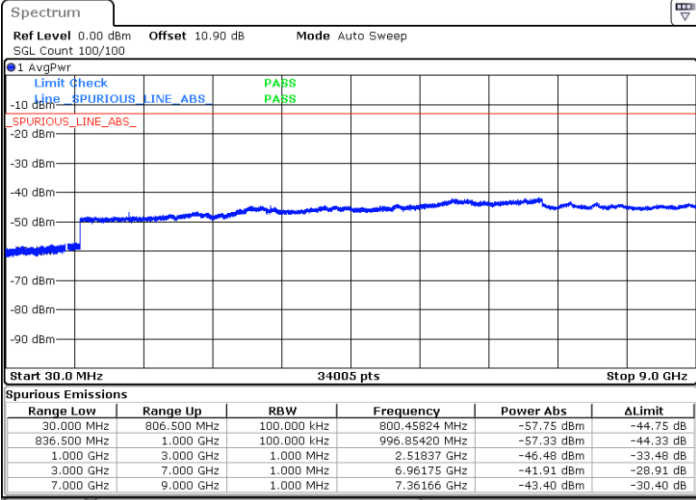




LTE Band 26 / 3MHz

Lowest Channel / QPSK

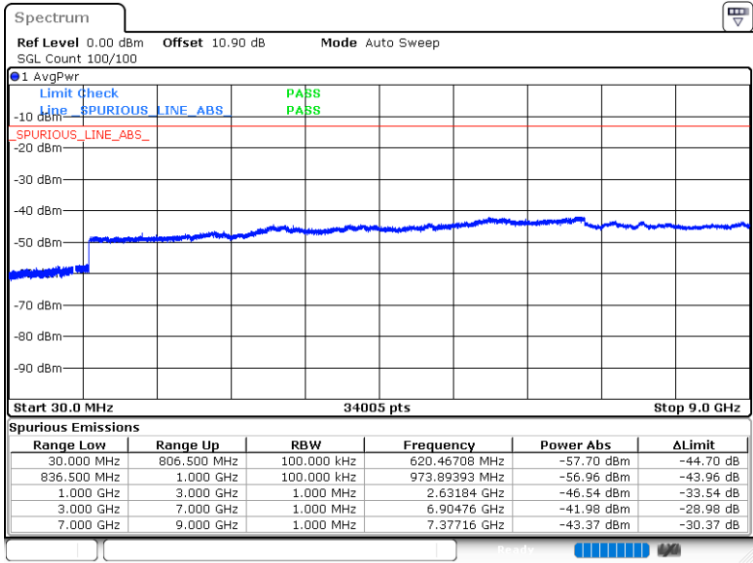
Middle Channel / QPSK



Date: 20.APR.2022 20:45:05

Date: 20.APR.2022 20:48:44

Highest Channel / QPSK



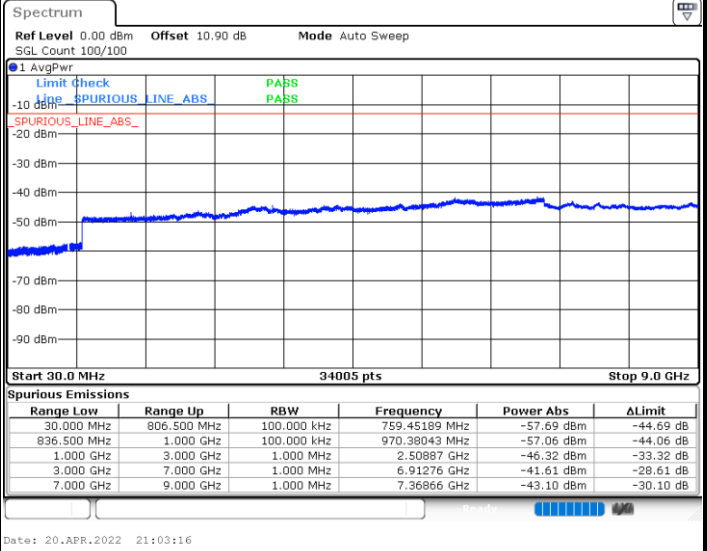
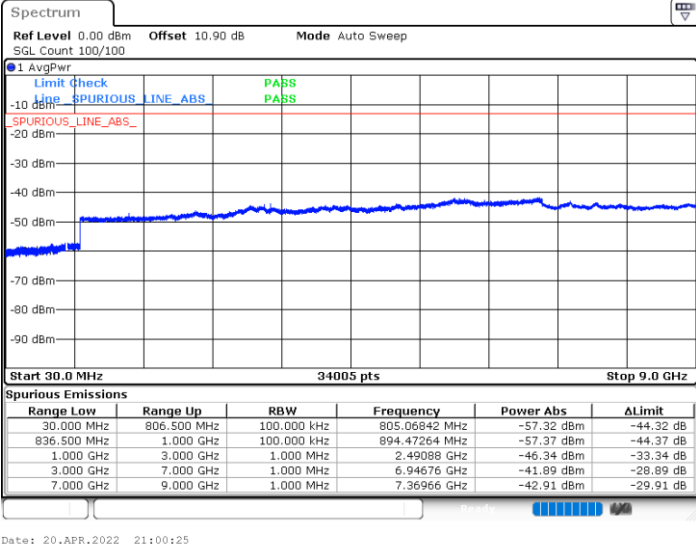
Date: 20.APR.2022 20:49:59



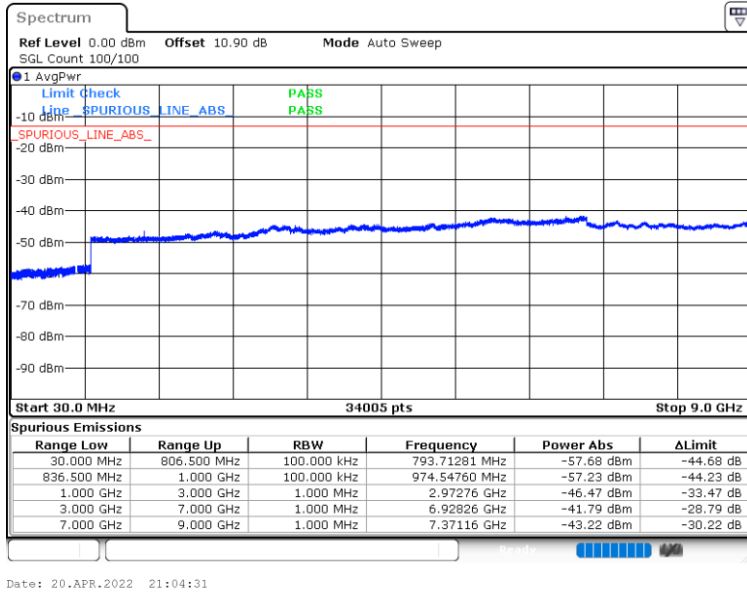
LTE Band 26 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



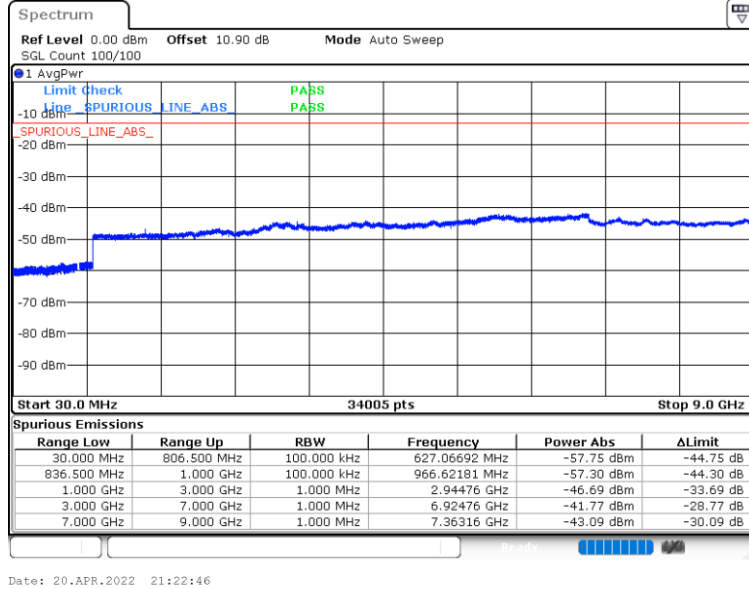
Highest Channel / QPSK





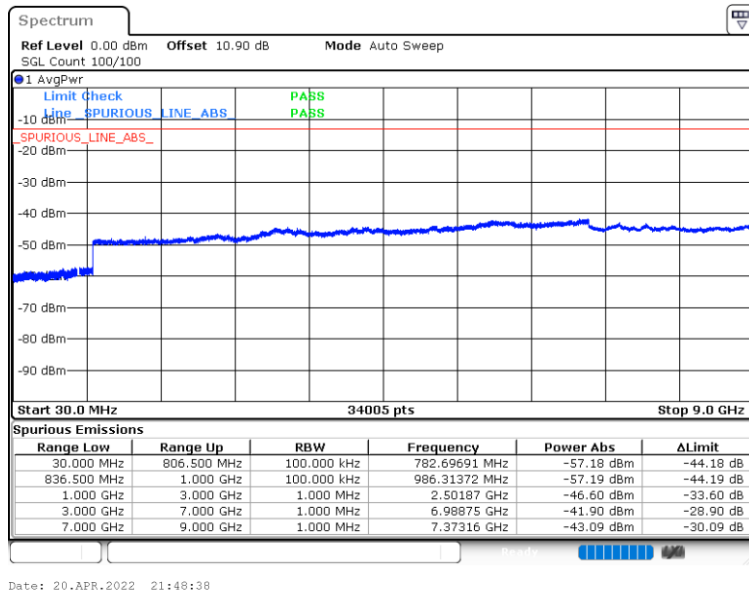
LTE Band 26 / 10MHz

Middle Channel / QPSK



LTE Band 26 / 15MHz

Middle Channel / QPSK





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 | 0.0121 | PASS |
| 40 | Normal Voltage | 0.0230 | |
| 30 | Normal Voltage | 0.0010 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0183 | |
| 0 | Normal Voltage | 0.0225 | |
| -10 | Normal Voltage | 0.0136 | |
| -20 | Normal Voltage | 0.0018 | |
| -30 | Normal Voltage | 0.0072 | |
| 20 | Maximum Voltage | 0.0168 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0197 | |

Note:

- 1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.40 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions | | LTE Band 26 (QPSK) / Low Channel | Limit |
|------------------|-------------------|----------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 15MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0142 | PASS |
| 40 | Normal Voltage | 0.0021 | |
| 30 | Normal Voltage | 0.0015 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0146 | |
| 0 | Normal Voltage | 0.0114 | |
| -10 | Normal Voltage | 0.0006 | |
| -20 | Normal Voltage | 0.0128 | |
| -30 | Normal Voltage | 0.0054 | |
| 20 | Maximum Voltage | 0.0191 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0015 | |

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.40 V. ; Maximum Voltage =4.40 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26_824M

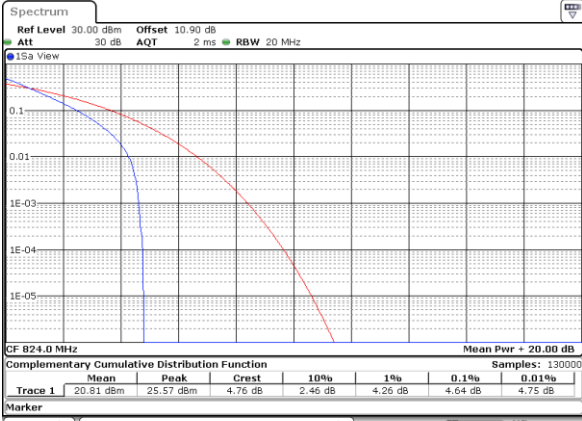
Peak-to-Average Ratio

| Mode | LTE Band 26 / 15MHz | | | | |
|-----------|---------------------|---------|---------|---------|-------------|
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Full RB | Result |
| Middle CH | 4.64 | 5.62 | 6.29 | 6.55 | PASS |



LTE Band 26 / 15MHz / QPSK

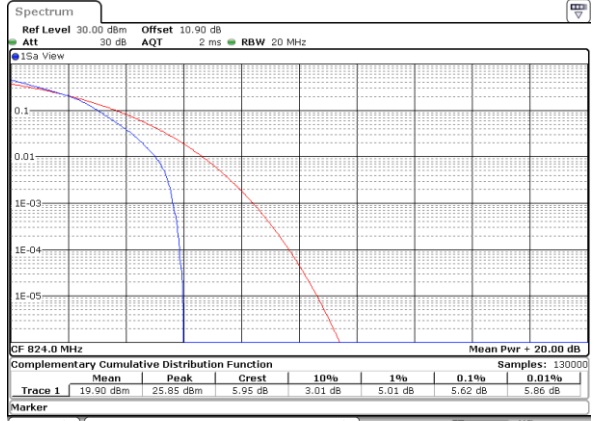
Middle Channel / Full RB



Date: 27.APR.2022 22:23:51

LTE Band 26 / 15MHz / 16QAM

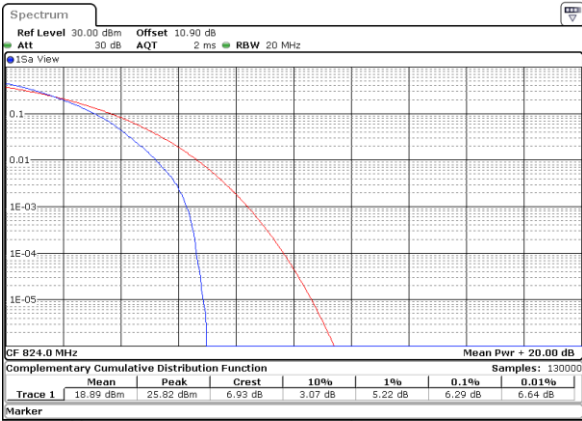
Middle Channel / Full RB



Date: 27.APR.2022 22:24:17

LTE Band 26 / 15MHz / 64QAM

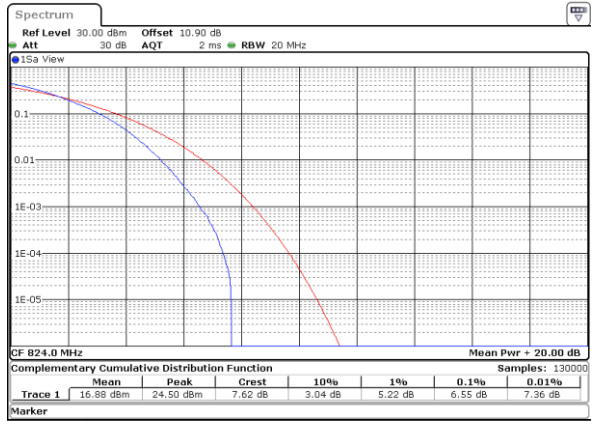
Middle Channel / Full RB



Date: 27.APR.2022 22:24:42

LTE Band 26 / 15MHz / 256QAM

Middle Channel / Full RB



Date: 27.APR.2022 22:25:08



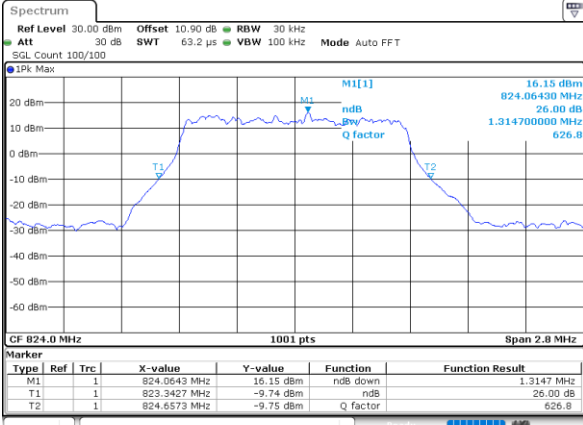
26dB Bandwidth

| Mode | LTE Band 26 : 26dB BW(MHz) | | | | | | | | | | | |
|-----------|----------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 1.31 | 1.34 | 3.12 | 3.15 | 5.08 | 5.12 | 9.85 | 9.97 | 14.60 | 14.27 | - | - |
| Mode | LTE Band 26 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM |
| Middle CH | 1.31 | 1.34 | 3.06 | 3.02 | 4.99 | 4.85 | 9.93 | 10.19 | 14.45 | 14.78 | - | - |



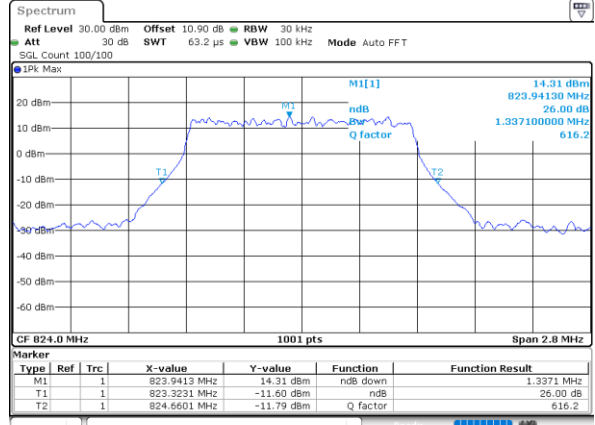
LTE Band 26

Middle Channel / 1.4MHz / QPSK



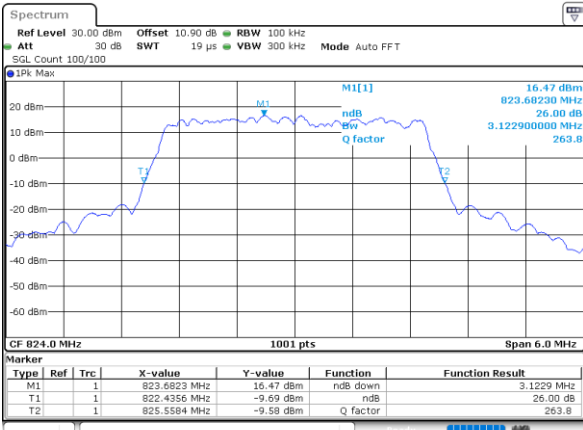
Date: 27.APR.2022 21:51:06

Middle Channel / 1.4MHz / 16QAM



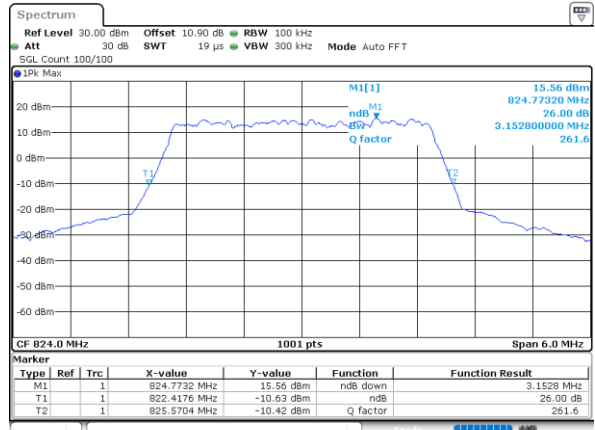
Date: 27.APR.2022 21:51:30

Middle Channel / 3MHz / QPSK



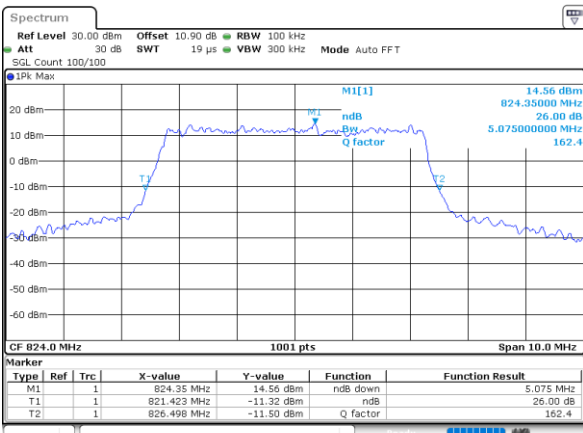
Date: 27.APR.2022 21:55:40

Middle Channel / 3MHz / 16QAM



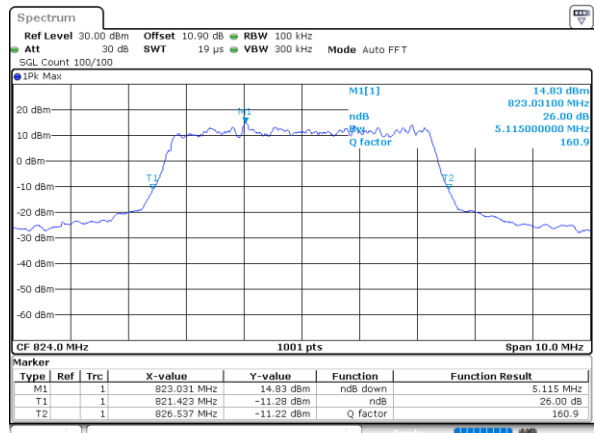
Date: 27.APR.2022 21:56:04

Middle Channel / 5MHz / QPSK



Date: 27.APR.2022 22:01:47

Middle Channel / 5MHz / 16QAM

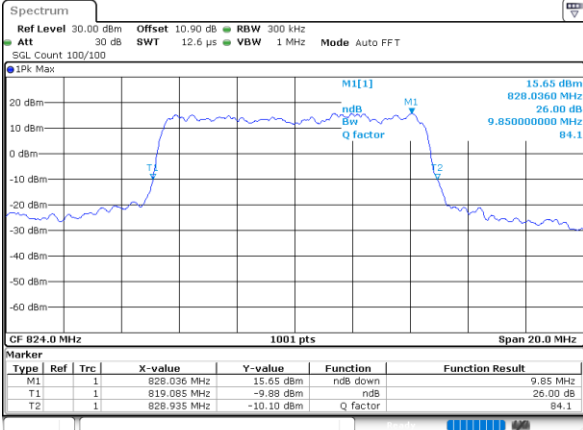


Date: 27.APR.2022 22:02:11



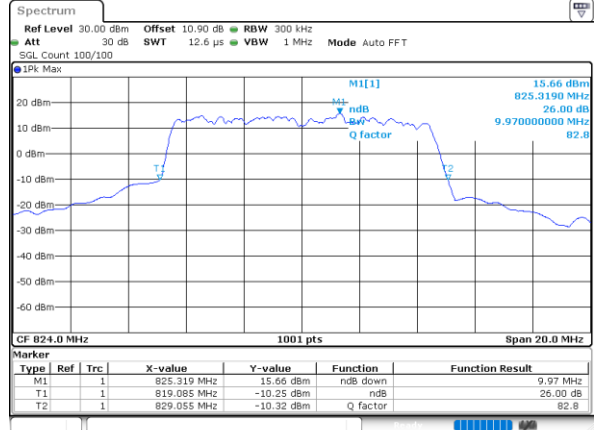
LTE Band 26

Middle Channel / 10MHz / QPSK



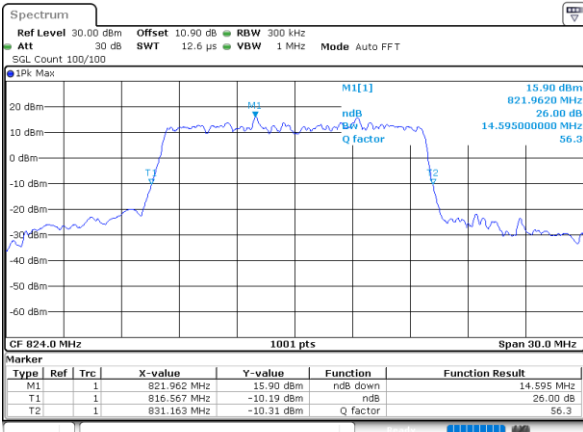
Date: 27, APR, 2022 22:07:57

Middle Channel / 10MHz / 16QAM



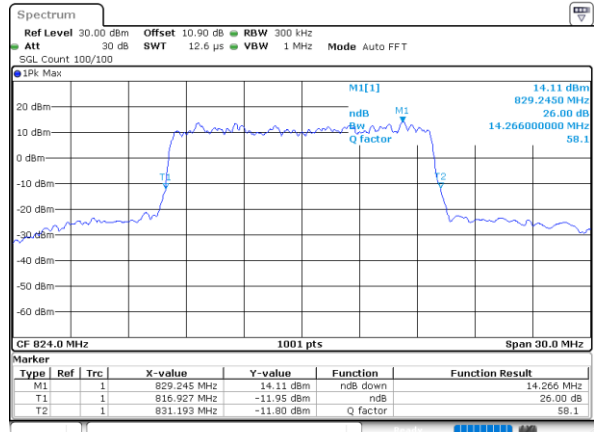
Date: 27, APR, 2022 22:10:21

Middle Channel / 15MHz / QPSK



Date: 27, APR, 2022 22:13:20

Middle Channel / 15MHz / 16QAM

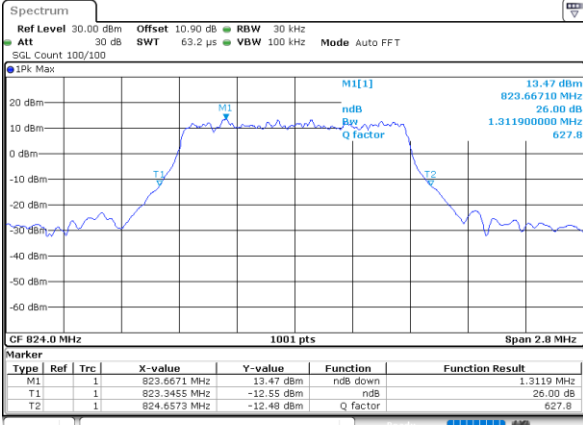


Date: 27, APR, 2022 22:13:44



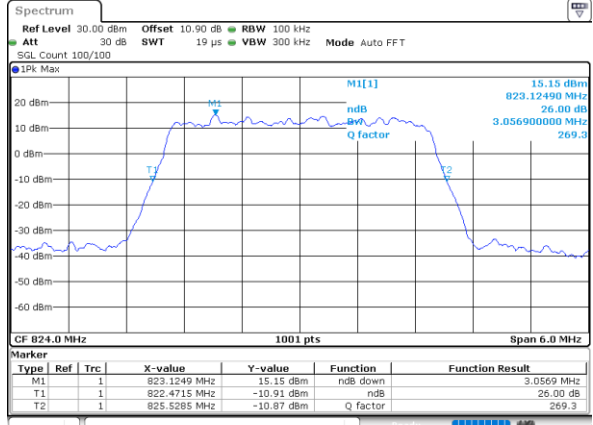
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



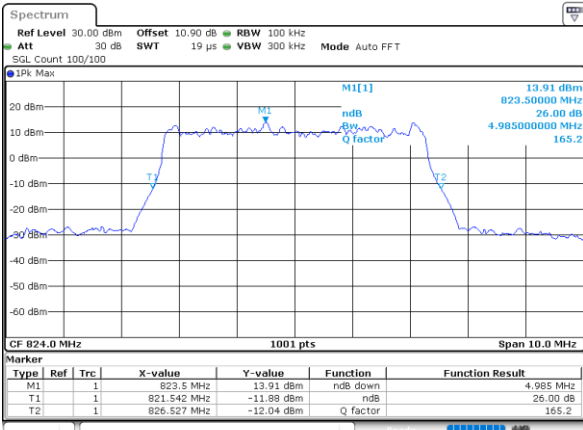
Date: 27, APR, 2022 21:52:42

Middle Channel / 3MHz / 64QAM



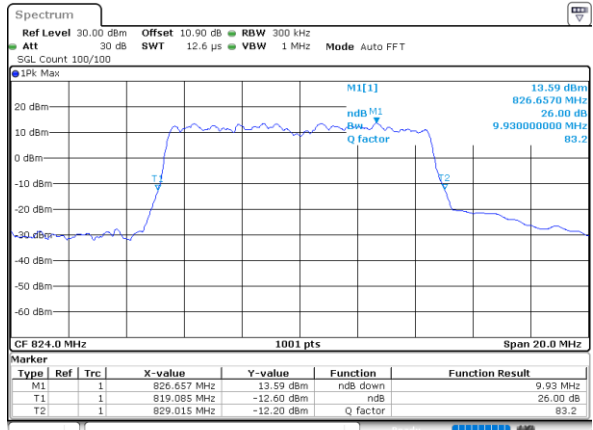
Date: 27, APR, 2022 21:57:17

Middle Channel / 5MHz / 64QAM



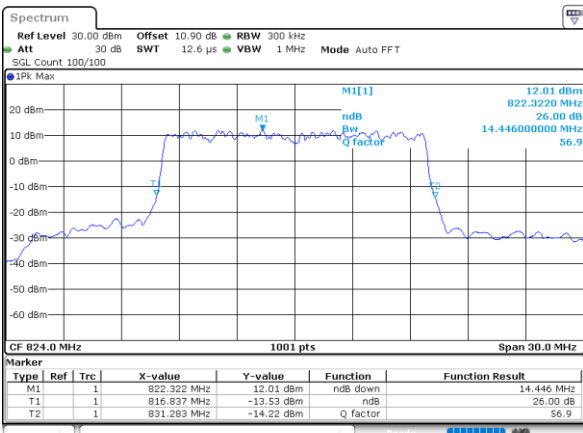
Date: 27, APR, 2022 22:03:23

Middle Channel / 10MHz / 64QAM



Date: 27, APR, 2022 22:09:33

Middle Channel / 15MHz / 64QAM



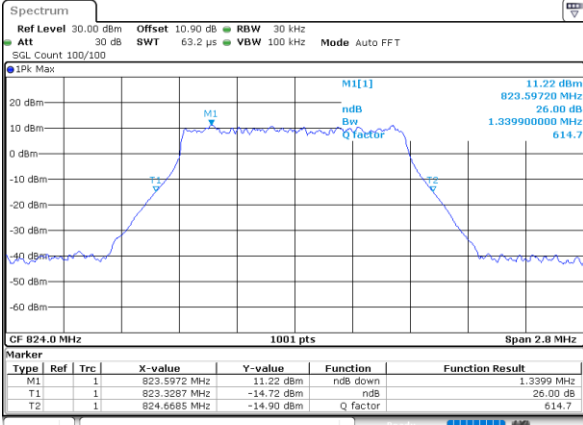
Date: 27, APR, 2022 22:14:56

N/A



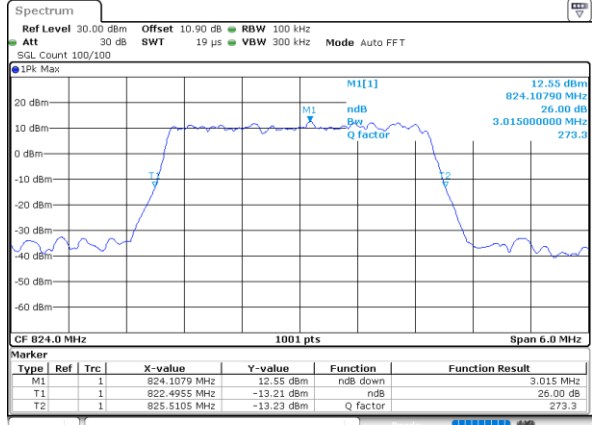
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



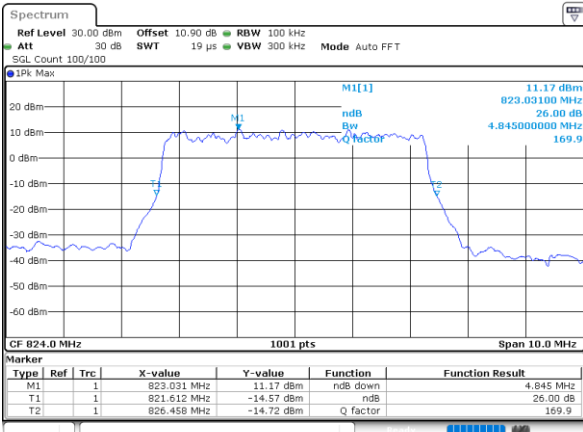
Date: 27, APR, 2022 21:53:06

Middle Channel / 3MHz / 256QAM



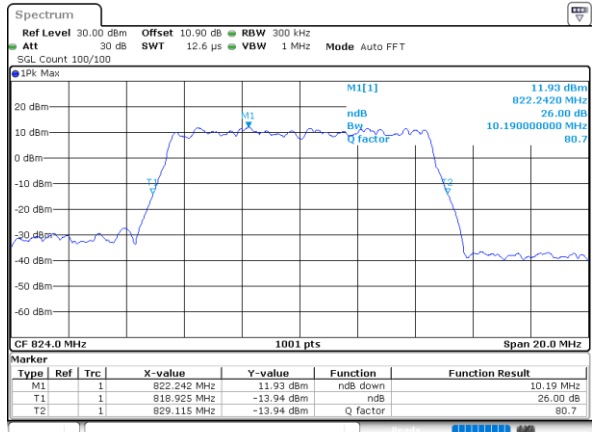
Date: 27, APR, 2022 21:57:41

Middle Channel / 5MHz / 256QAM



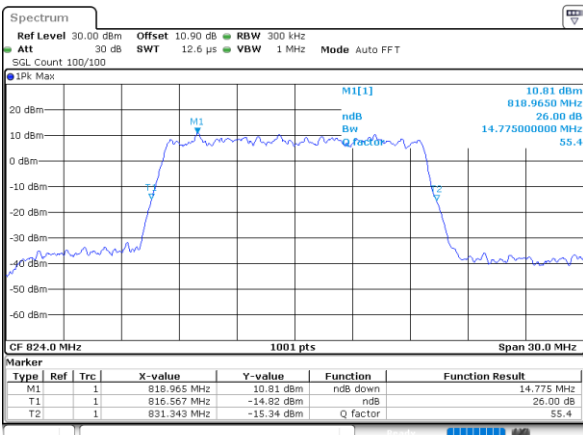
Date: 27, APR, 2022 22:03:47

Middle Channel / 10MHz / 256QAM



Date: 27, APR, 2022 22:09:57

Middle Channel / 15MHz / 256QAM



Date: 27, APR, 2022 22:15:20

N/A



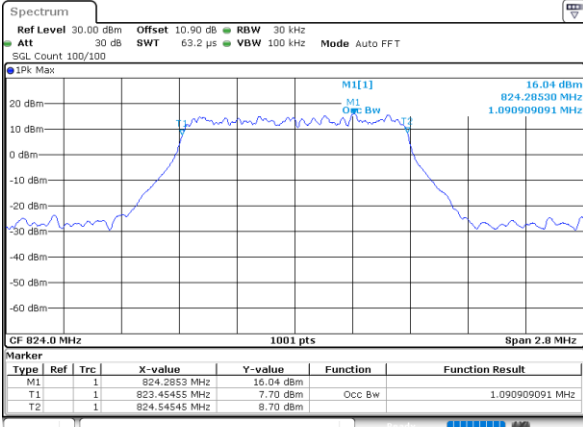
Occupied Bandwidth

| Mode | LTE Band 26 : 99%OBW(MHz) | | | | | | | | | | | |
|-----------|---------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 1.09 | 1.10 | 2.72 | 2.73 | 4.48 | 4.50 | 8.99 | 8.99 | 13.52 | 13.46 | - | - |
| Mode | LTE Band 26 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM |
| Middle CH | 1.09 | 1.10 | 2.73 | 2.73 | 4.49 | 4.49 | 9.03 | 9.05 | 13.49 | 13.46 | - | - |



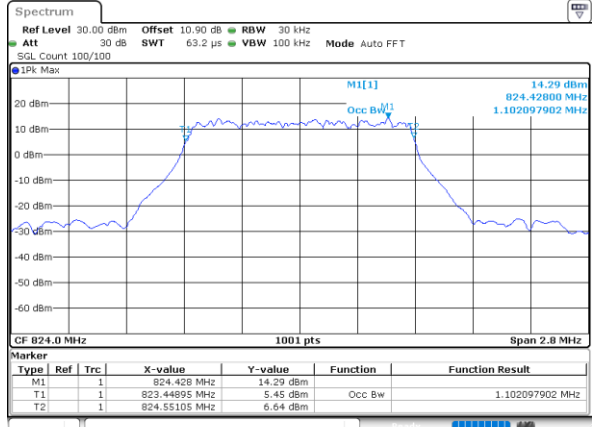
LTE Band 26

Middle Channel / 1.4MHz / QPSK



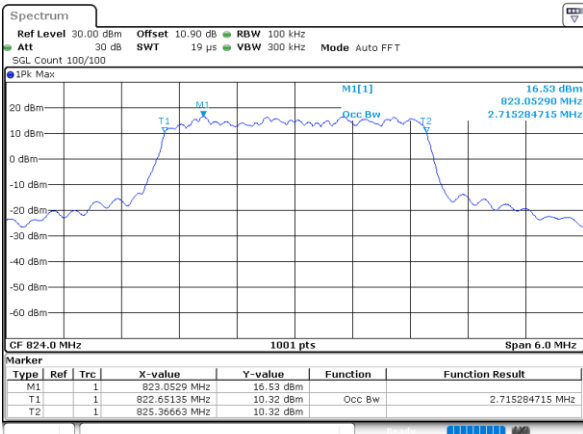
Date: 27_APR.2022 21:50:42

Middle Channel / 1.4MHz / 16QAM



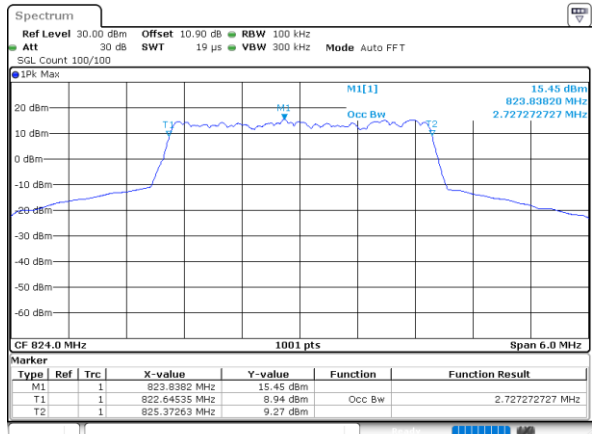
Date: 27_APR.2022 21:51:54

Middle Channel / 3MHz / QPSK



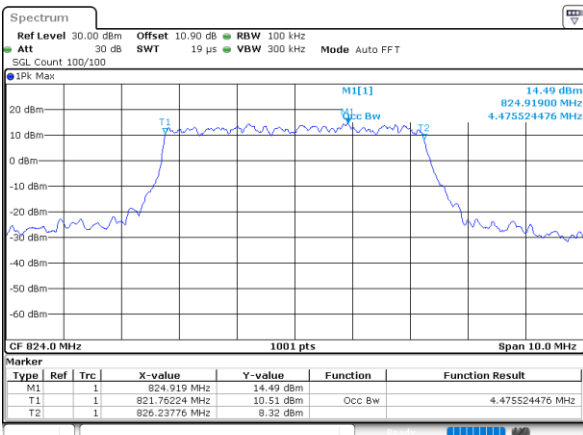
Date: 27_APR.2022 21:55:16

Middle Channel / 3MHz / 16QAM



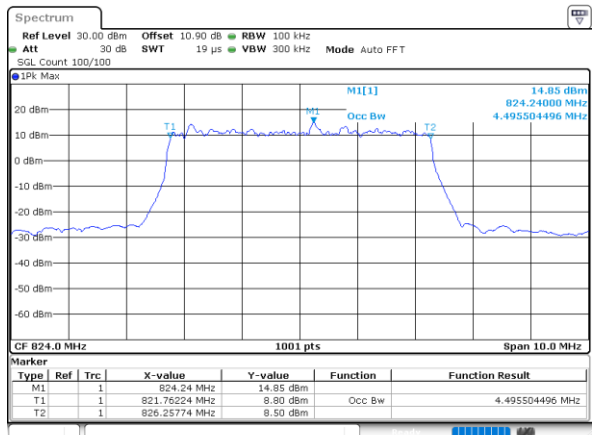
Date: 27_APR.2022 21:56:28

Middle Channel / 5MHz / QPSK



Date: 27_APR.2022 22:01:23

Middle Channel / 5MHz / 16QAM

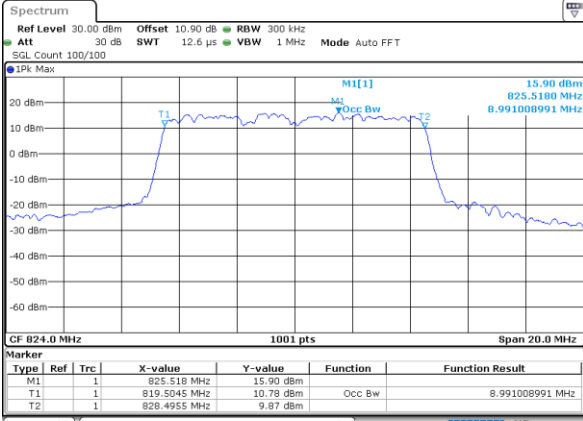


Date: 27_APR.2022 22:02:35



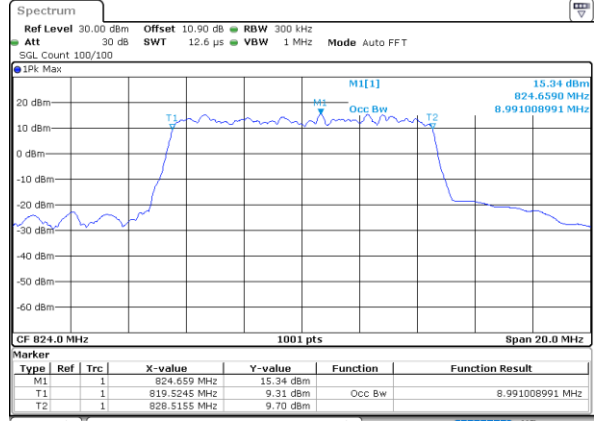
LTE Band 26

Middle Channel / 10MHz / QPSK



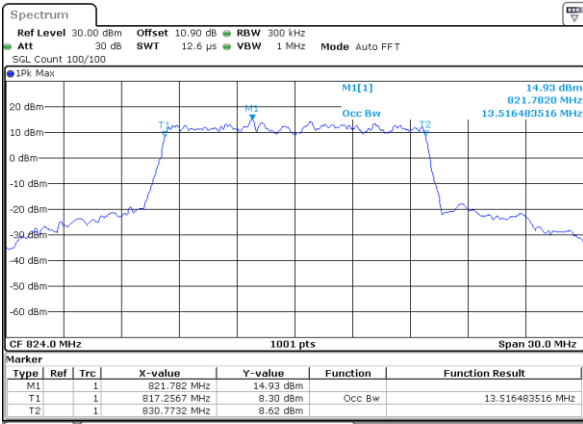
Date: 27_APR.2022 22:07:33

Middle Channel / 10MHz / 16QAM



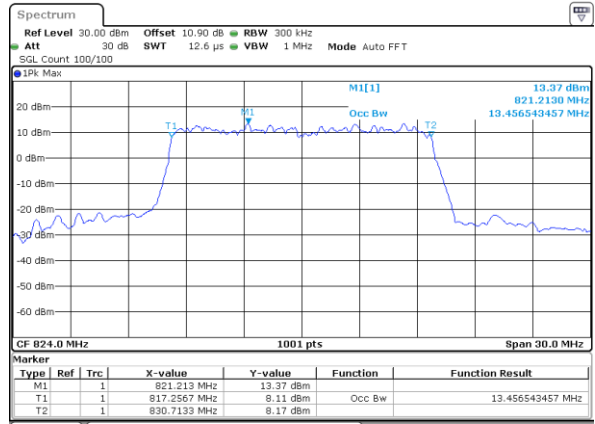
Date: 27_APR.2022 22:10:45

Middle Channel / 15MHz / QPSK



Date: 27_APR.2022 22:12:56

Middle Channel / 15MHz / 16QAM

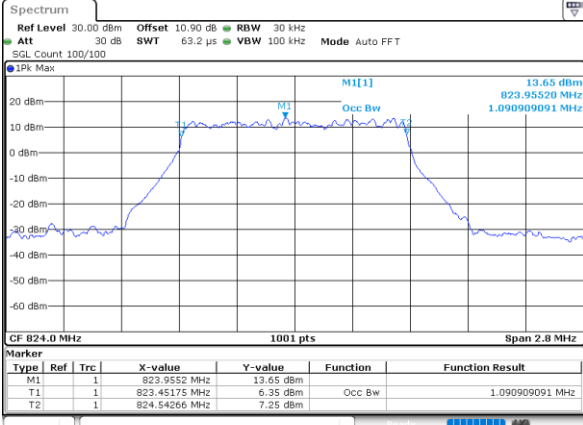


Date: 27_APR.2022 22:14:08



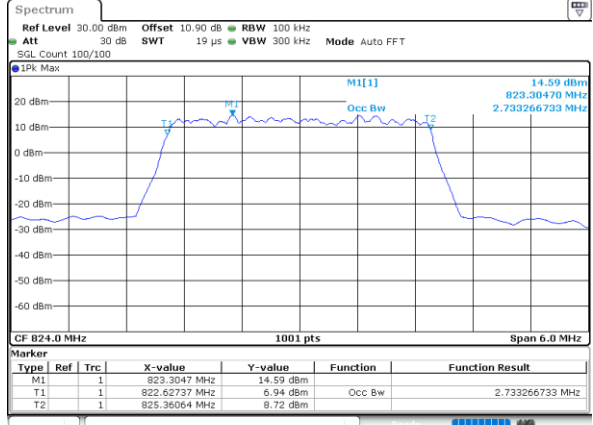
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



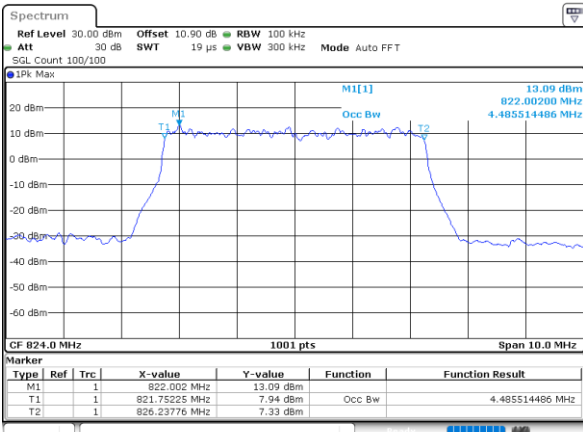
Date: 27.APR.2022 21:52:10

Middle Channel / 3MHz / 64QAM



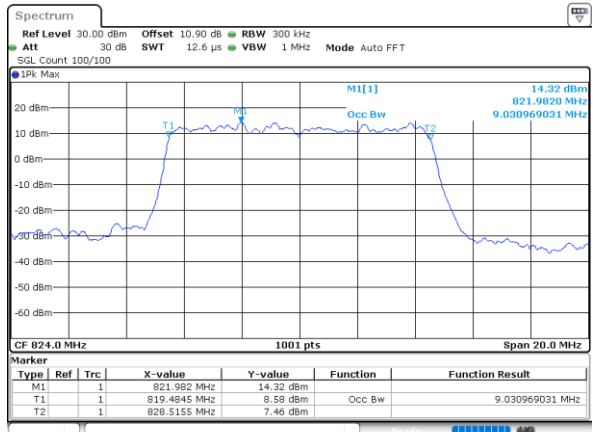
Date: 27.APR.2022 21:56:53

Middle Channel / 5MHz / 64QAM



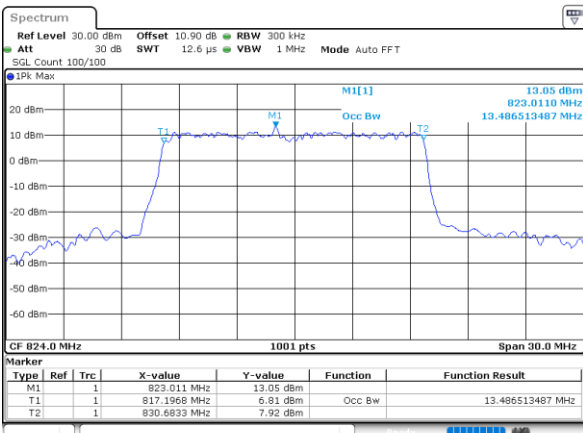
Date: 27.APR.2022 22:02:59

Middle Channel / 10MHz / 64QAM



Date: 27.APR.2022 22:09:09

Middle Channel / 15MHz / 64QAM



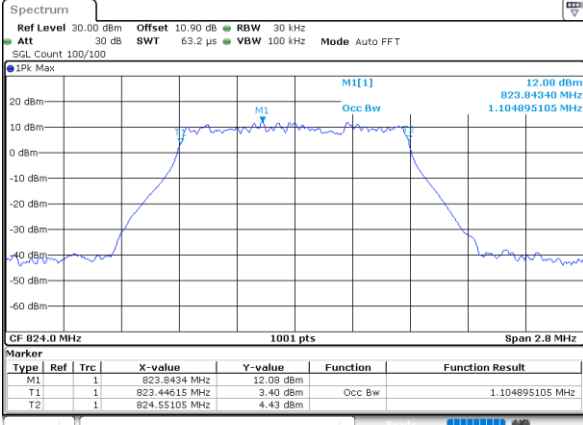
Date: 27.APR.2022 22:14:32

N/A



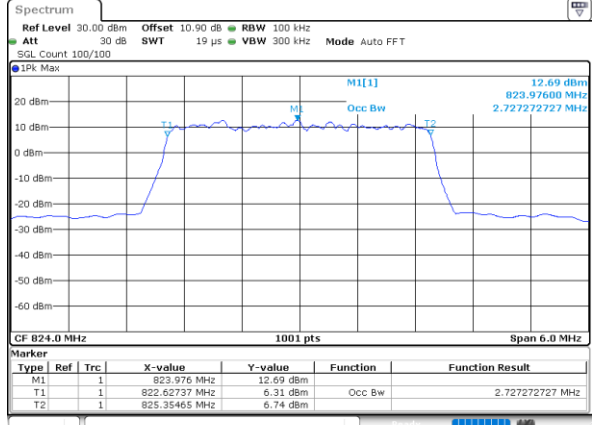
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



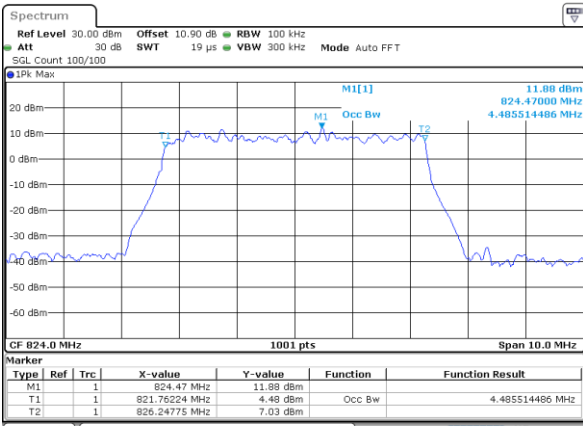
Date: 27.APR.2022 21:53:33

Middle Channel / 3MHz / 256QAM



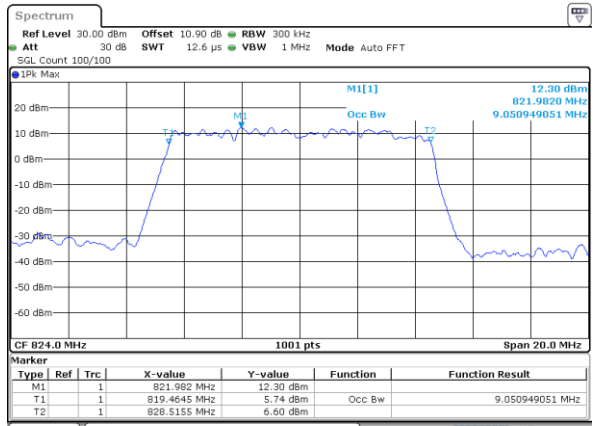
Date: 27.APR.2022 21:59:40

Middle Channel / 5MHz / 256QAM



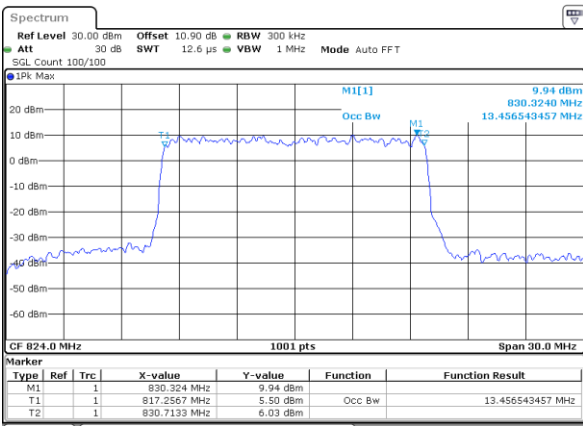
Date: 27.APR.2022 22:05:50

Middle Channel / 10MHz / 256QAM



Date: 27.APR.2022 22:11:13

Middle Channel /15MHz / 256QAM



Date: 27.APR.2022 22:23:23

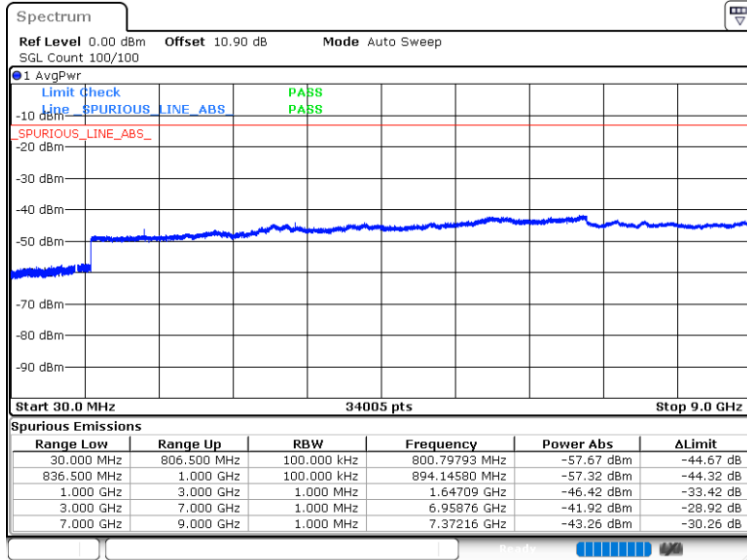
N/A



Emission masks – Out of band emissions

LTE Band 26 / 1.4MHz

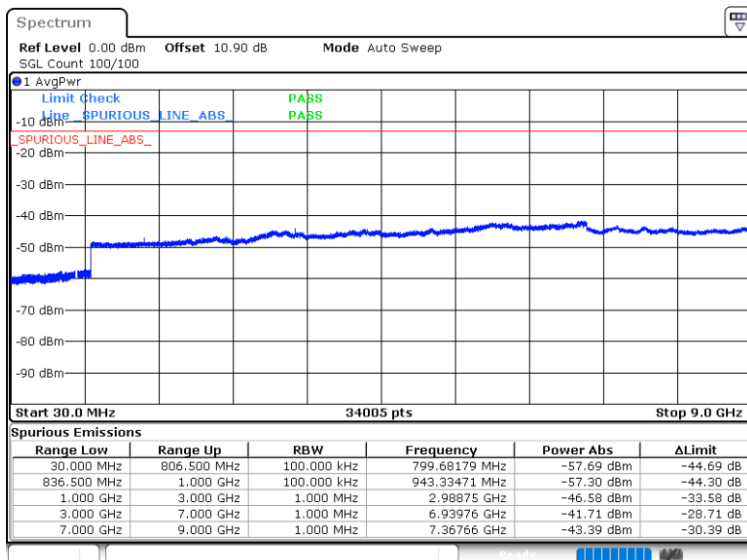
Middle Channel / QPSK



Date: 27.APR.2022 21:54:51

LTE Band 26 / 3MHz

Middle Channel / QPSK

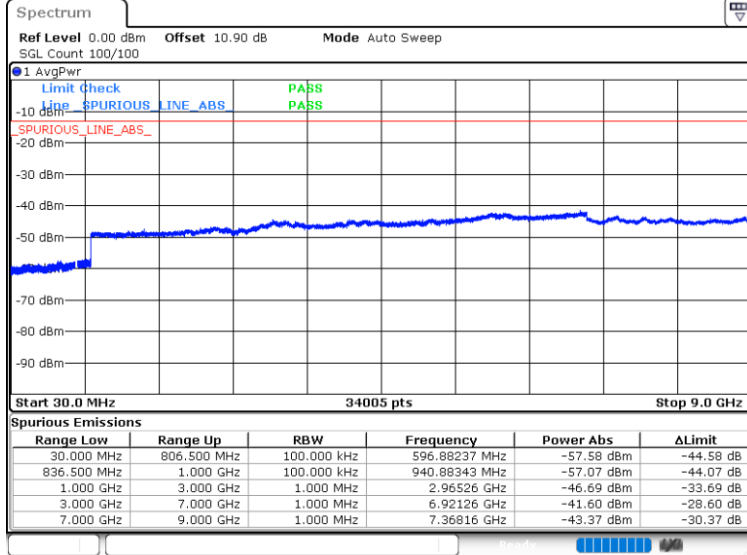


Date: 27.APR.2022 22:00:57



LTE Band 26 / 5MHz

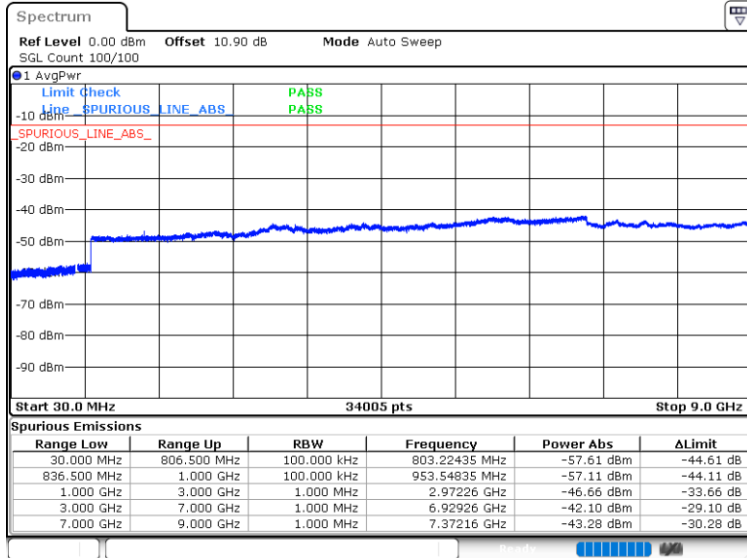
Middle Channel / QPSK



Date: 27.APR.2022 22:07:08

LTE Band 26 / 10MHz

Middle Channel / QPSK

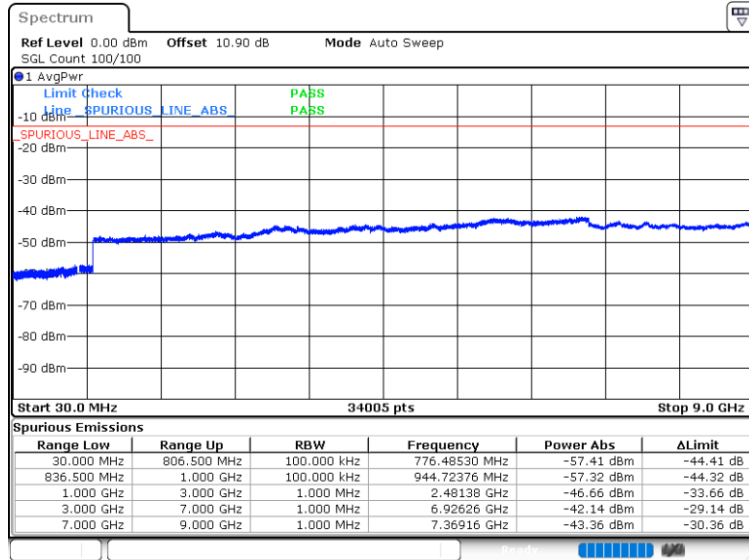


Date: 27.APR.2022 22:12:30



LTE Band 26 / 15MHz

Middle Channel / QPSK



Date: 27.APR.2022 22:26:26



Appendix B. Test Results of Radiated Test

<Internal Ant. 1>

LTE Band 26

| LTE Band 26 / 5MHz / QPSK | | | | | | | | | |
|---------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1628 | -57.64 | -13 | -44.64 | -73.22 | -61 | 3.86 | 9.37 | H |
| | 2443 | -53.02 | -13 | -40.02 | -72.55 | -56.56 | 4.77 | 10.46 | H |
| | 3257 | -53.25 | -13 | -40.25 | -75.62 | -57.53 | 5.52 | 11.94 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1628 | -59.08 | -13 | -46.08 | -74.63 | -62.44 | 3.86 | 9.37 | V |
| | 2443 | -55.86 | -13 | -42.86 | -75.35 | -59.4 | 4.77 | 10.46 | V |
| | 3257 | -53.52 | -13 | -40.52 | -75.73 | -57.8 | 5.52 | 11.94 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 1633 | -57.42 | -13 | -44.42 | -73.01 | -60.8 | 3.86 | 9.40 | H |
| | 2448 | -52.67 | -13 | -39.67 | -72.17 | -56.23 | 4.77 | 10.49 | H |
| | 3264 | -53.57 | -13 | -40.57 | -75.83 | -57.88 | 5.52 | 11.98 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1633 | -58.45 | -13 | -45.45 | -73.98 | -61.83 | 3.86 | 9.40 | V |
| | 2448 | -55.74 | -13 | -42.74 | -75.18 | -59.3 | 4.77 | 10.49 | V |
| | 3264 | -53.70 | -13 | -40.70 | -75.88 | -58.01 | 5.52 | 11.98 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1638 | -58.61 | -13 | -45.61 | -74.28 | -62.02 | 3.87 | 9.43 | H |
| | 2458 | -53.30 | -13 | -40.30 | -72.87 | -56.88 | 4.78 | 10.52 | H |
| | 3277 | -53.31 | -13 | -40.31 | -75.55 | -57.69 | 5.53 | 12.06 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1638 | -58.97 | -13 | -45.97 | -74.47 | -62.38 | 3.87 | 9.43 | V |
| | 2458 | -55.19 | -13 | -42.19 | -74.77 | -58.77 | 4.78 | 10.52 | V |
| | 3277 | -53.28 | -13 | -40.28 | -75.43 | -57.66 | 5.53 | 12.06 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 26 / 15MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Straddle CH26790 (824MHz) | 1634 | -58.99 | -13 | -45.99 | -74.61 | -62.38 | 3.87 | 9.40 | H |
| | 2452 | -52.79 | -13 | -39.79 | -72.34 | -56.37 | 4.78 | 10.50 | H |
| | 3269 | -53.32 | -13 | -40.32 | -75.6 | -57.66 | 5.53 | 12.01 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1634 | -58.94 | -13 | -45.94 | -74.4 | -62.33 | 3.87 | 9.40 | V |
| | 2452 | -55.91 | -13 | -42.91 | -75.41 | -59.49 | 4.78 | 10.50 | V |
| | 3269 | -53.54 | -13 | -40.54 | -75.72 | -57.88 | 5.53 | 12.01 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.