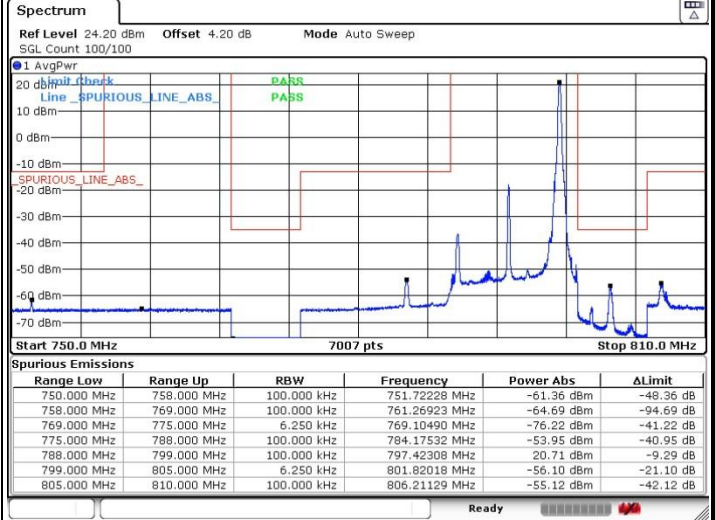
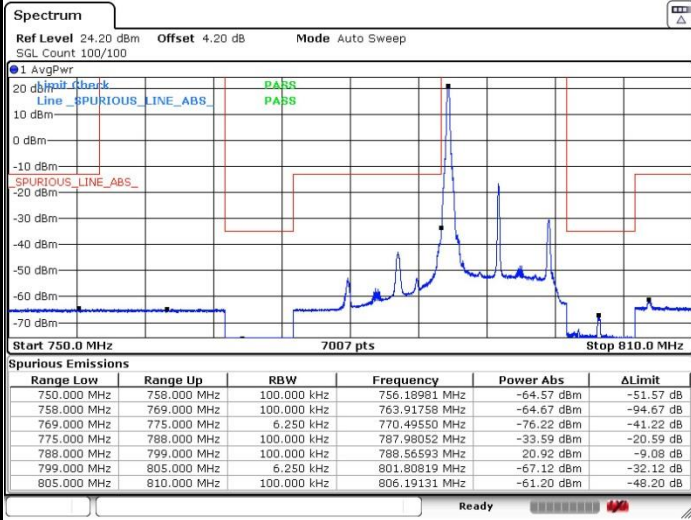




LTE Band 14 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

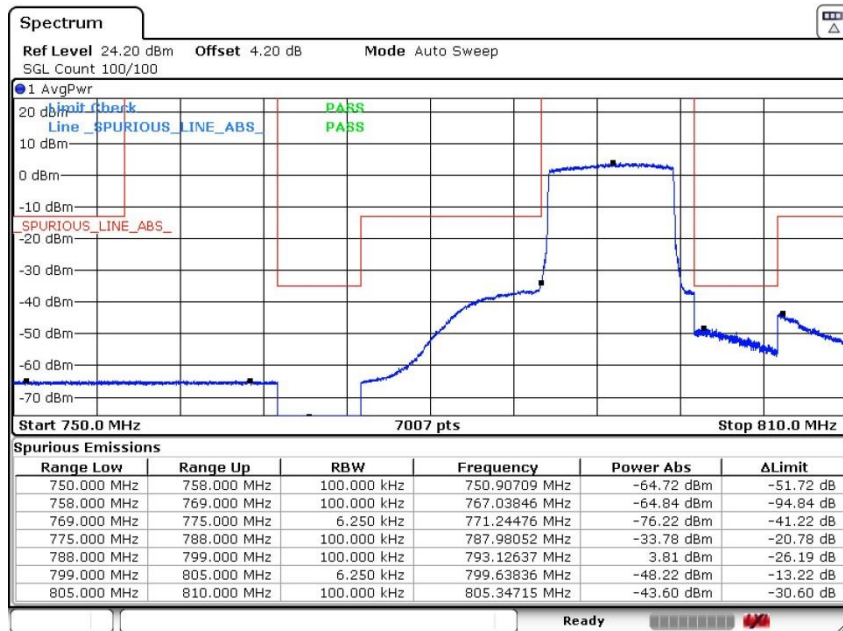
Highest Band Edge / 1 RB



Date: 20.JAN.2020 15:34:02

Date: 20.JAN.2020 15:34:49

Band Edge / Full RB



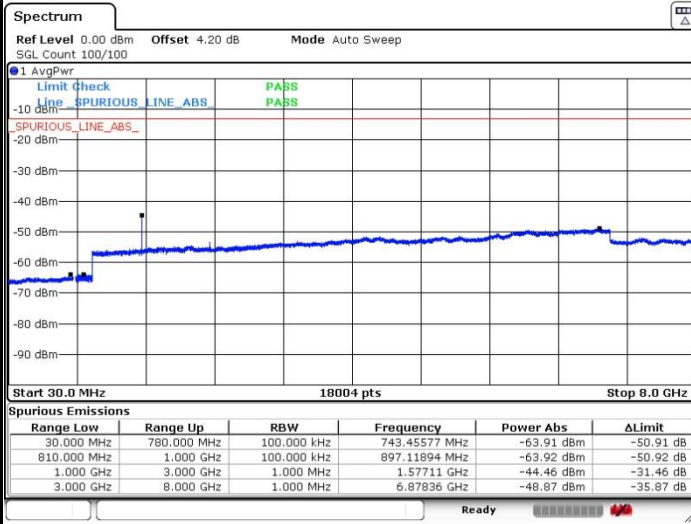
Date: 20.JAN.2020 15:29:26



Conducted Spurious Emission

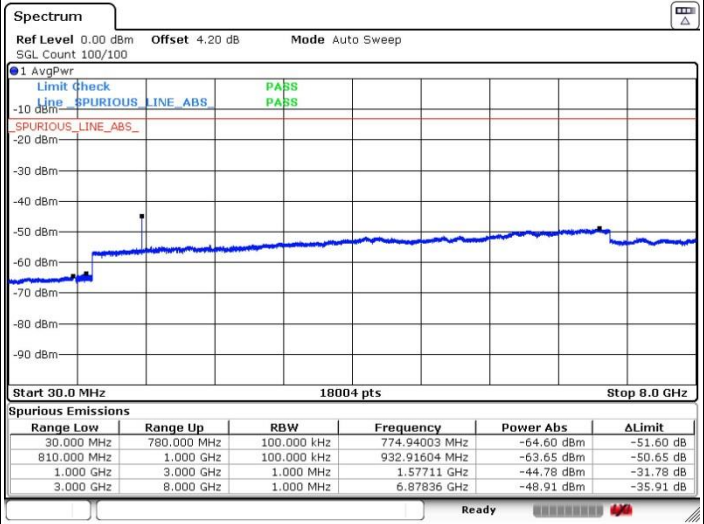
LTE Band 14 / 5MHz

Lowest Channel / QPSK



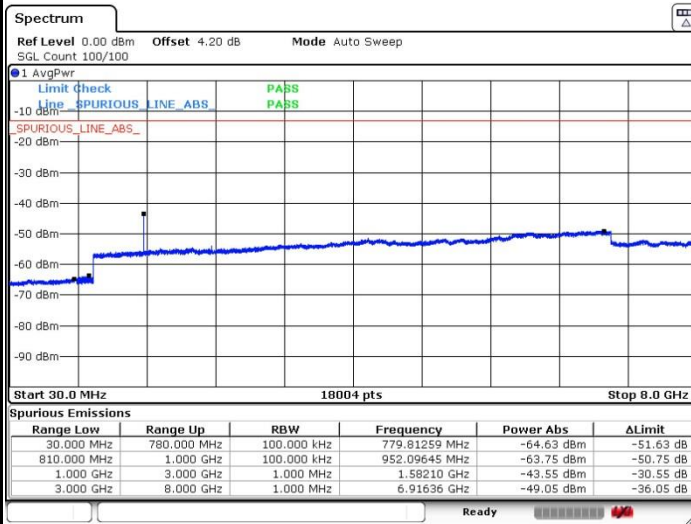
Date: 20 JAN 2020 15:56:39

Lowest Channel / 16QAM



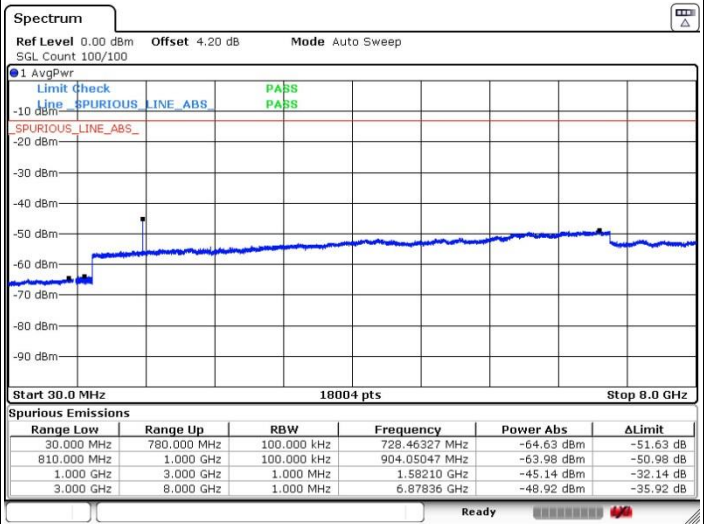
Date: 20 JAN 2020 15:57:14

Middle Channel / QPSK



Date: 20 JAN 2020 15:55:40

Middle Channel / 16QAM

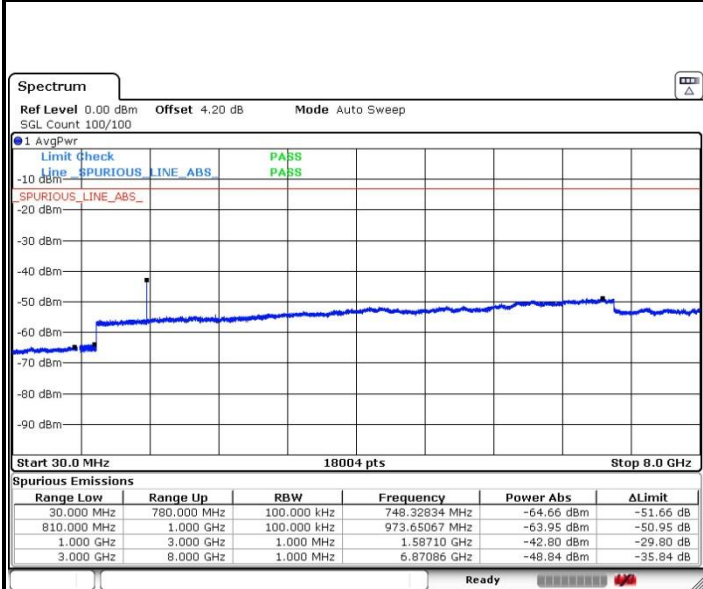


Date: 20 JAN 2020 15:55:17



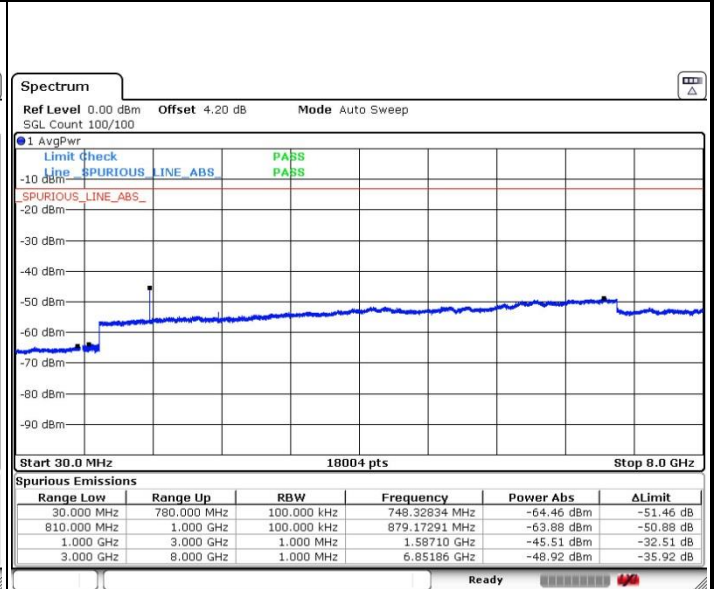
LTE Band 14 / 5MHz

Highest Channel / QPSK



Date: 20 JAN 2020 15:59:57

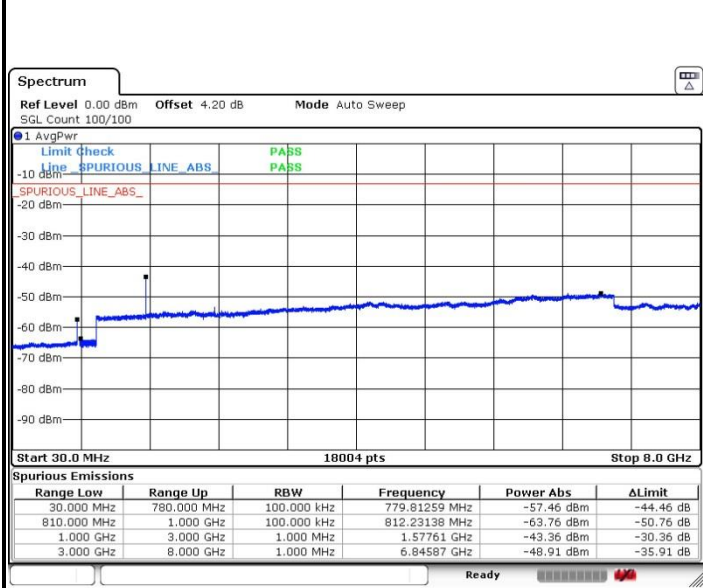
Highest Channel / 16QAM



Date: 20 JAN 2020 15:59:31

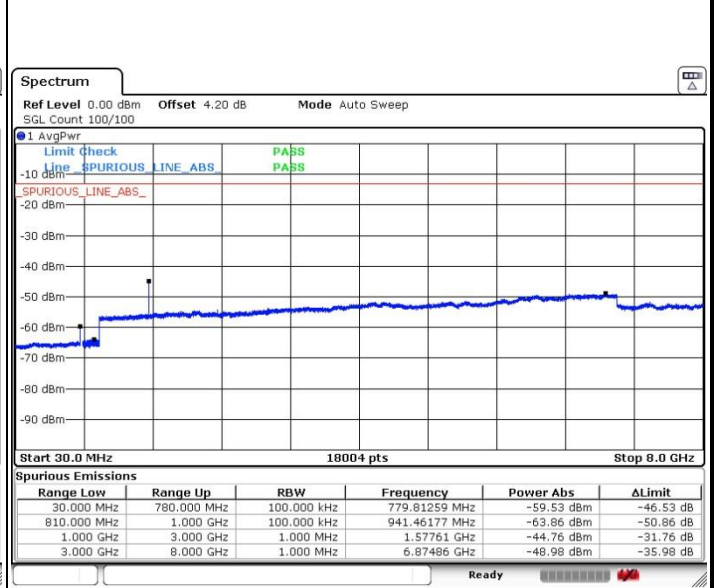
LTE Band 14 / 10MHz

Middle Channel / QPSK



Date: 20 JAN 2020 15:51:39

Middle Channel / 16QAM



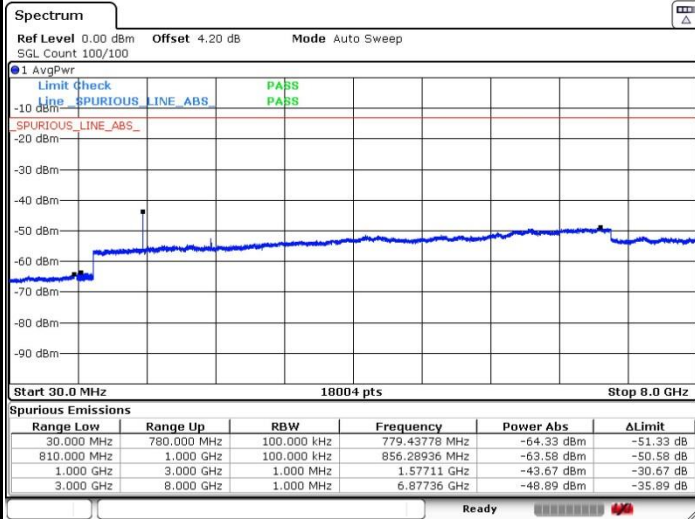
Date: 20 JAN 2020 15:52:39



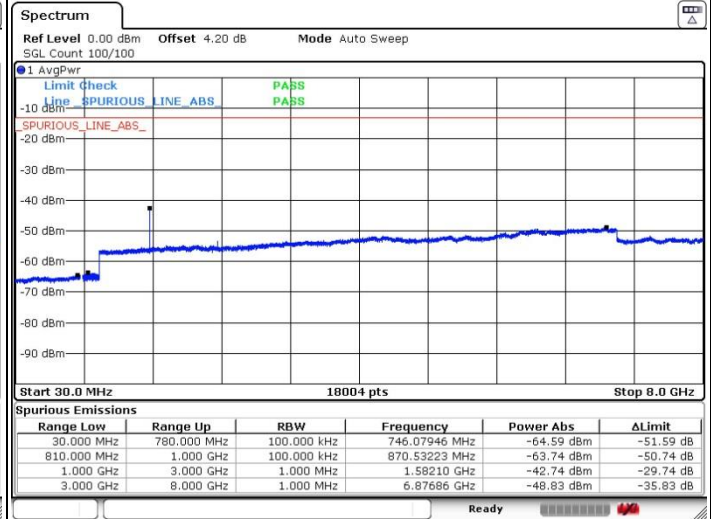
LTE Band 14 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

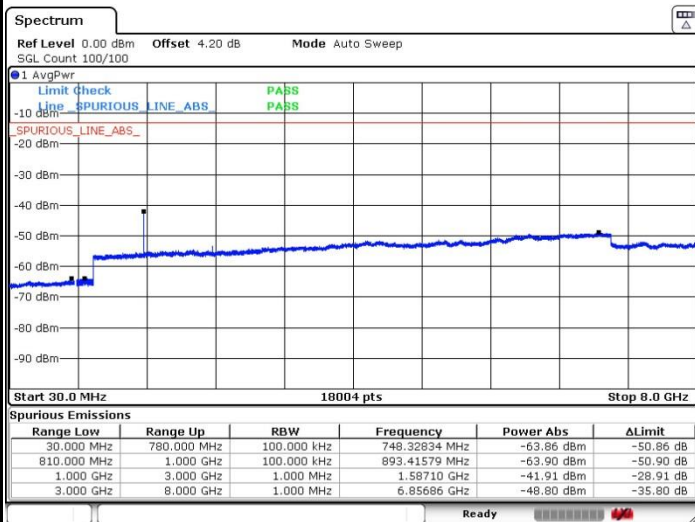


Date: 20 JAN 2020 15:57:40



Date: 20 JAN 2020 15:54:47

Highest Channel / 64QAM

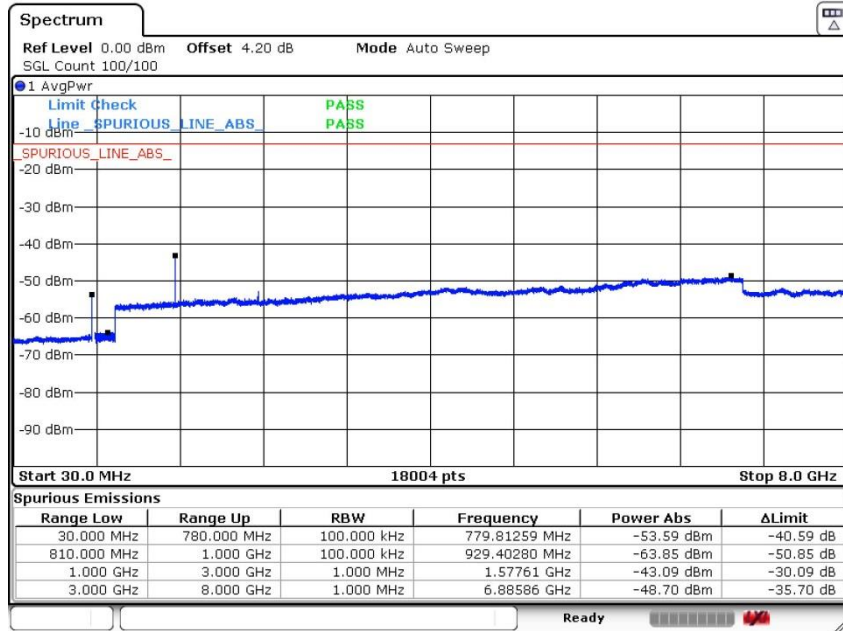


Date: 20 JAN 2020 15:59:08



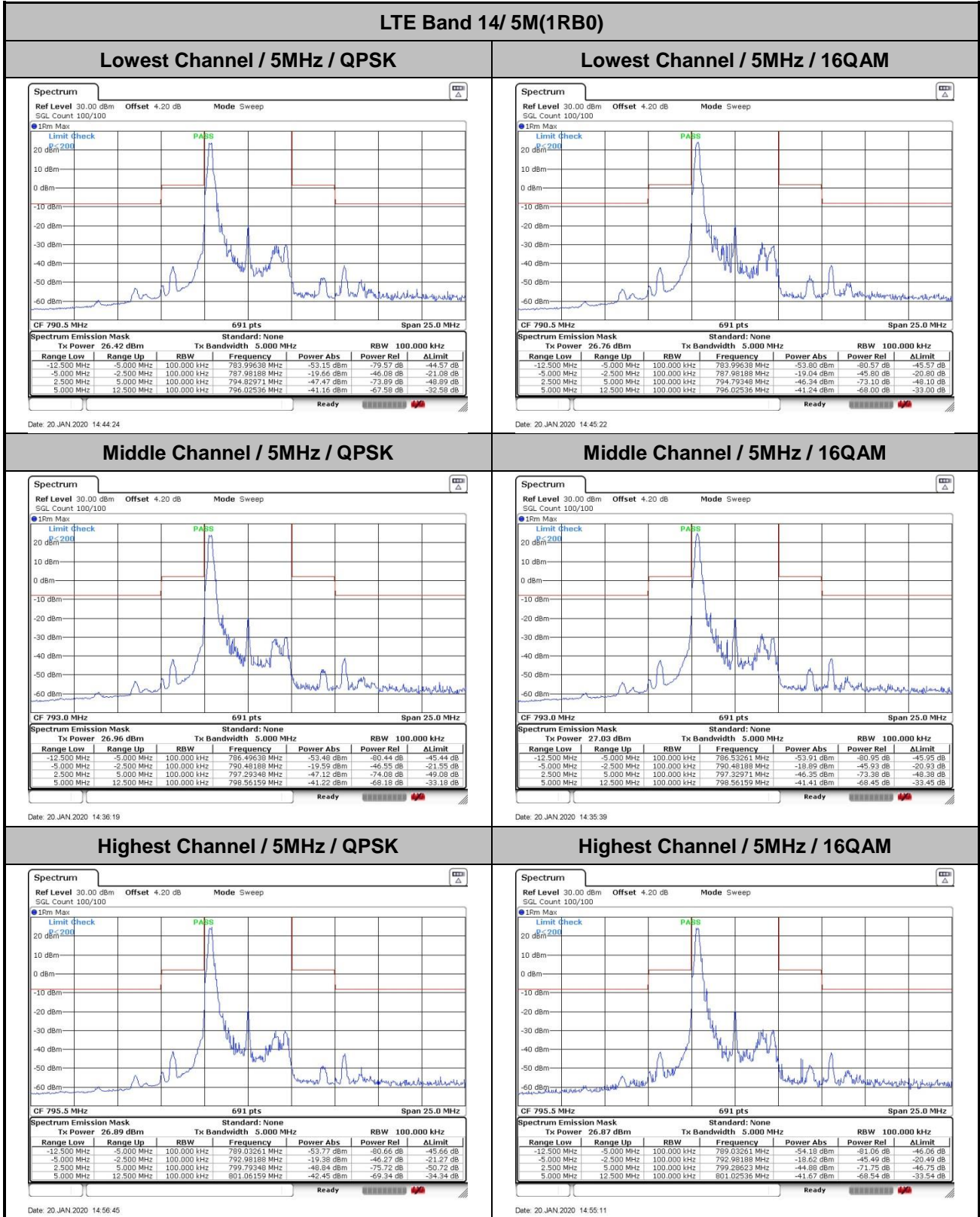
LTE Band 14 / 10MHz

Middle Channel / 64QAM



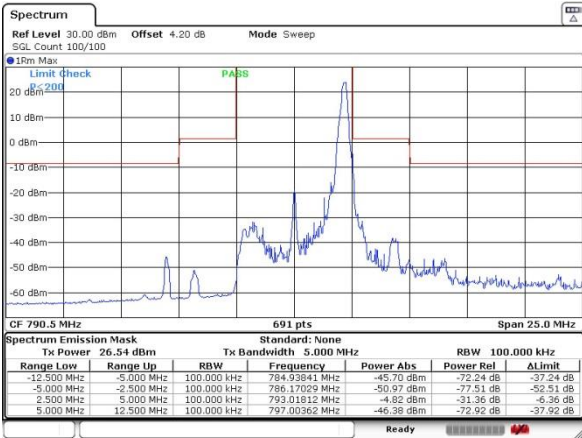
Date: 20 JAN 2020 15:53:29

Emission Mask



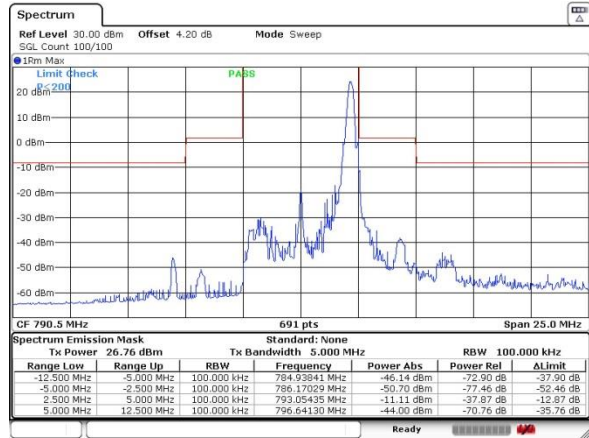
LTE Band 14/ 5M(1RBmax)

Lowest Channel / 5MHz / QPSK



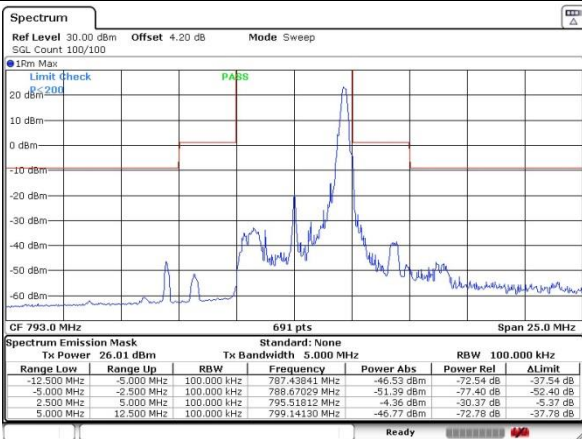
Date: 20 JAN 2020 14:43:39

Lowest Channel / 5MHz / 16QAM



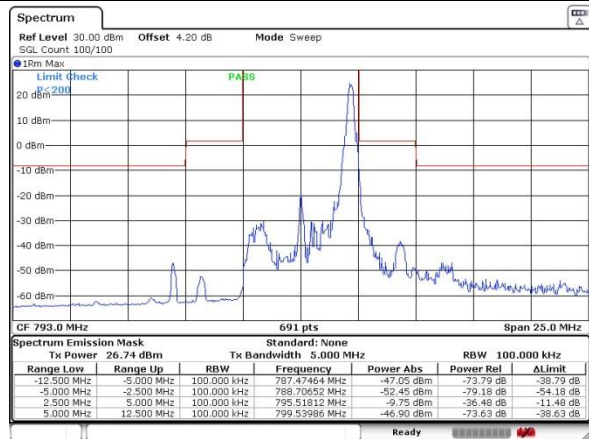
Date: 20 JAN 2020 14:42:18

Middle Channel / 5MHz / QPSK



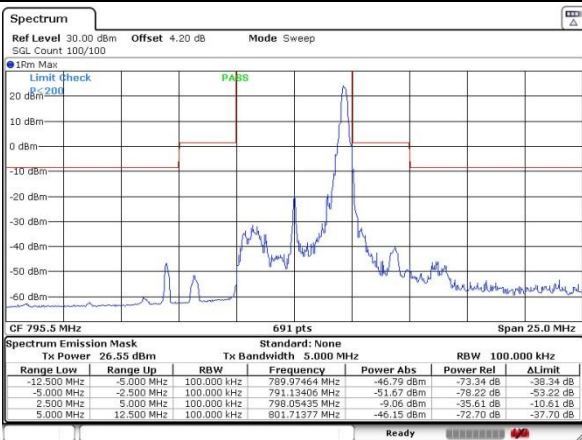
Date: 20 JAN 2020 14:37:16

Middle Channel / 5MHz / 16QAM



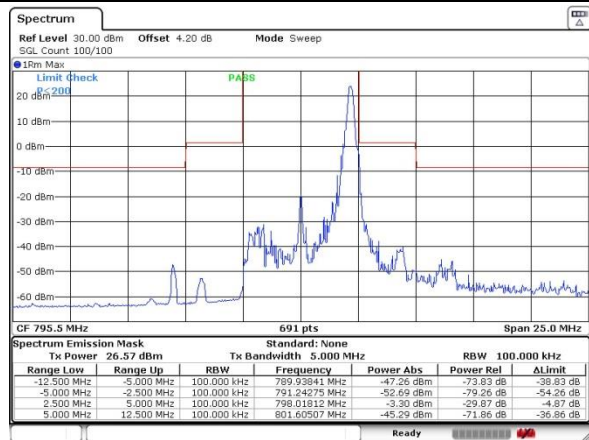
Date: 20 JAN 2020 14:38:12

Highest Channel / 5MHz / QPSK



Date: 20 JAN 2020 14:57:39

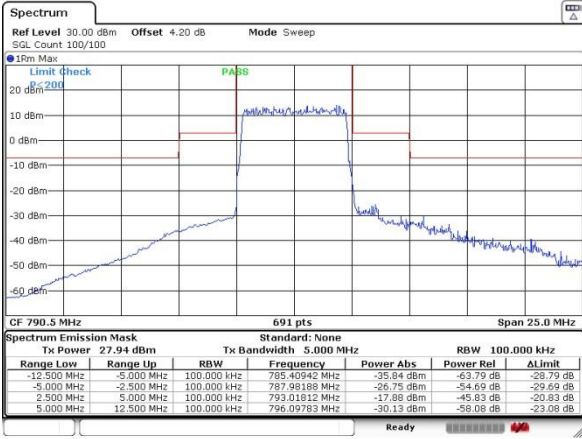
Highest Channel / 5MHz / 16QAM



Date: 20 JAN 2020 14:58:50

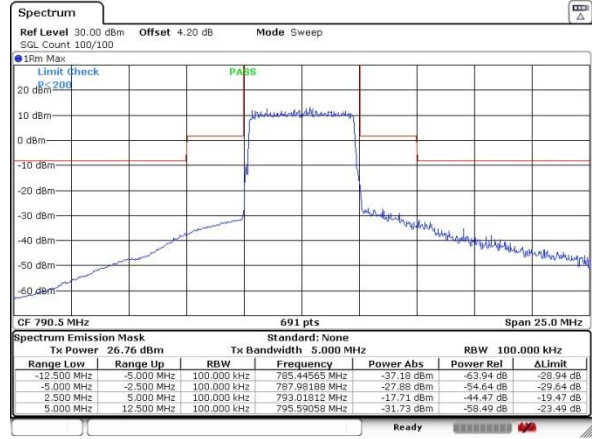
LTE Band 14/ 5M(fullIRB0)

Lowest Channel / 5MHz / QPSK



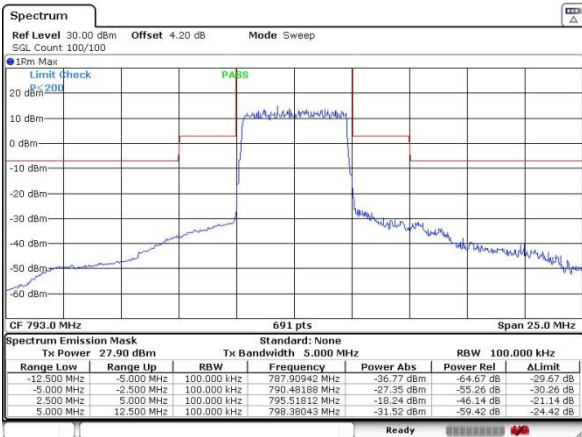
Date: 20 JAN 2020 14:48:00

Lowest Channel / 5MHz / 16QAM



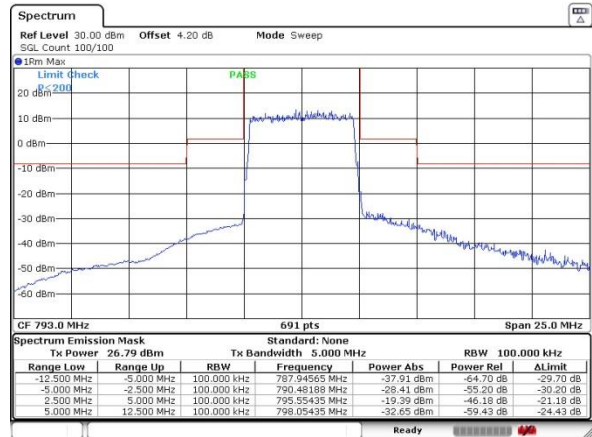
Date: 20 JAN 2020 14:48:13

Middle Channel / 5MHz / QPSK



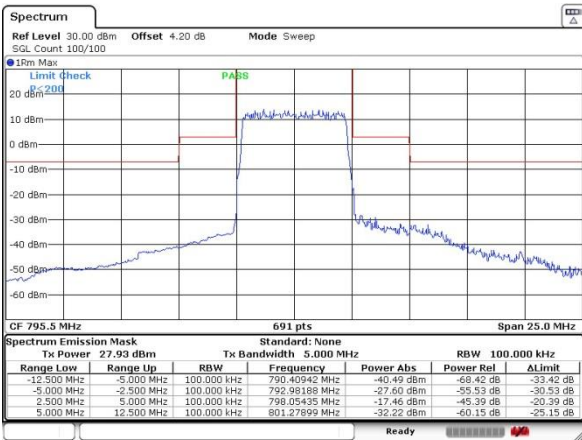
Date: 20 JAN 2020 14:31:01

Middle Channel / 5MHz / 16QAM



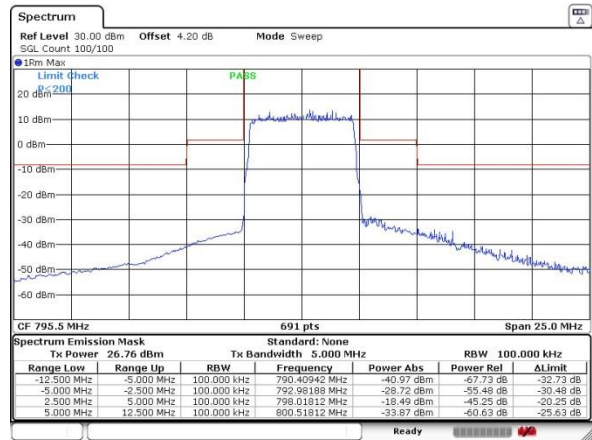
Date: 20 JAN 2020 14:32:09

Highest Channel / 5MHz / QPSK



Date: 20 JAN 2020 14:51:45

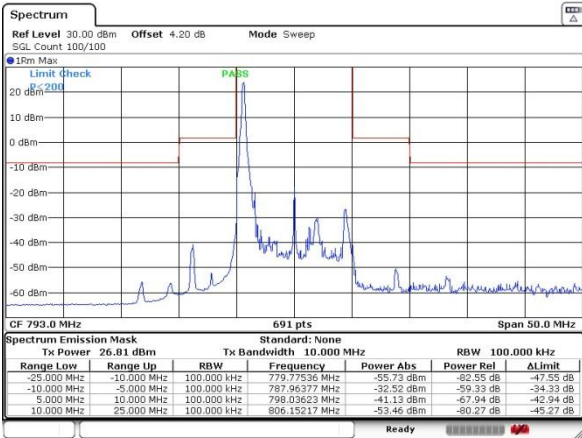
Highest Channel / 5MHz / 16QAM



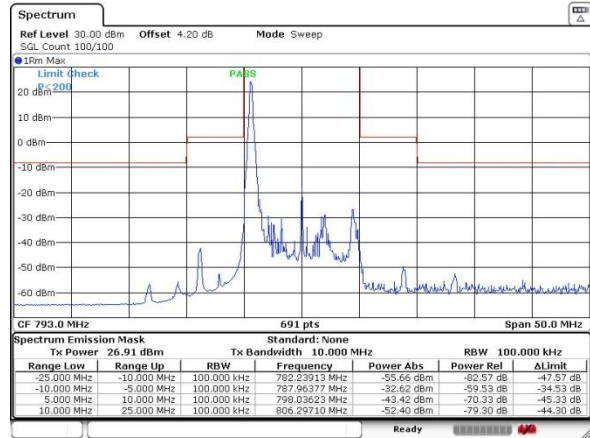
Date: 20 JAN 2020 14:52:43

LTE Band 14/ 10MHz

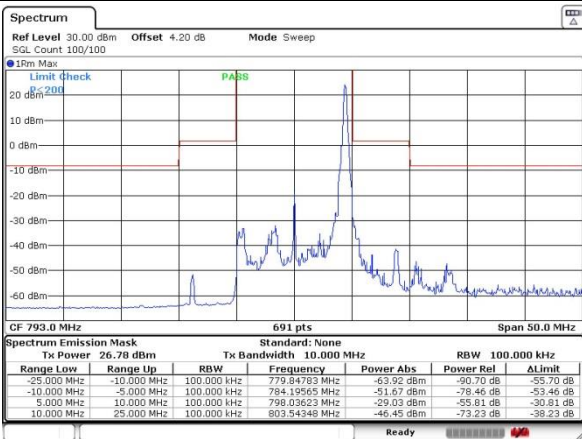
Middle Channel / 1RB0 / QPSK



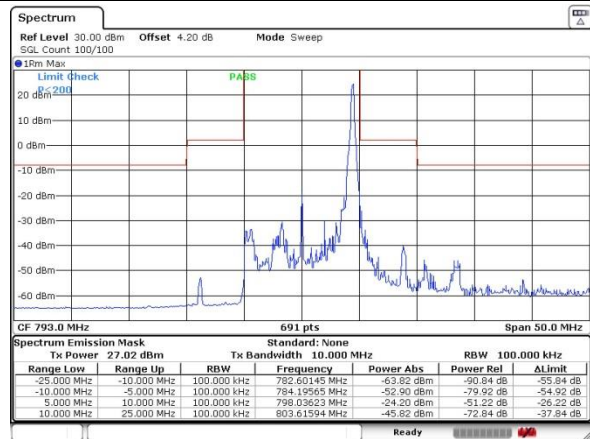
Middle Channel / 1RB0 / 16QAM



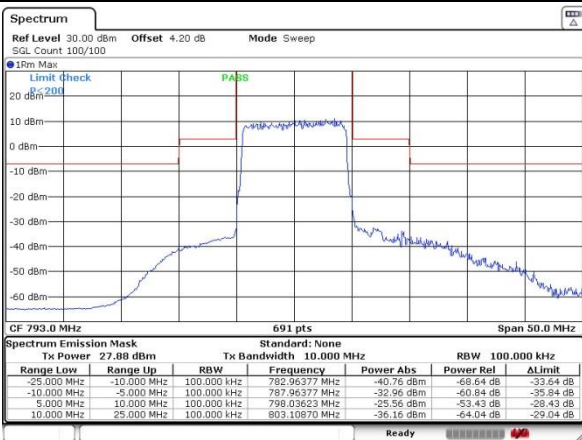
Middle Channel / 1RBmax / QPSK



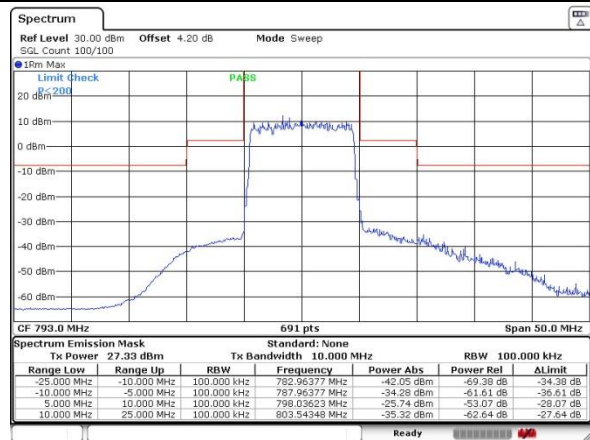
Middle Channel / 1RBmax / 16QAM



Middle Channel / fullRB0 / QPSK

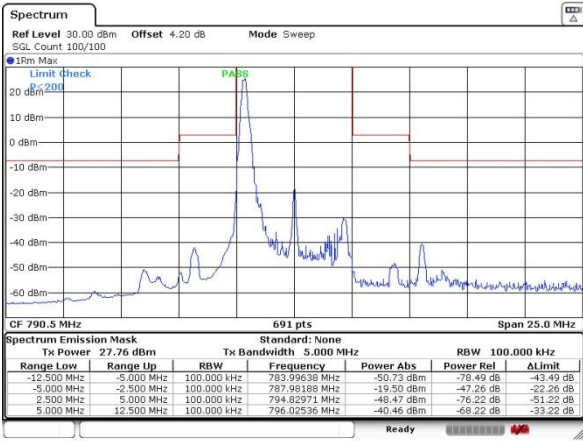


Middle Channel / fullRB0 / 16QAM



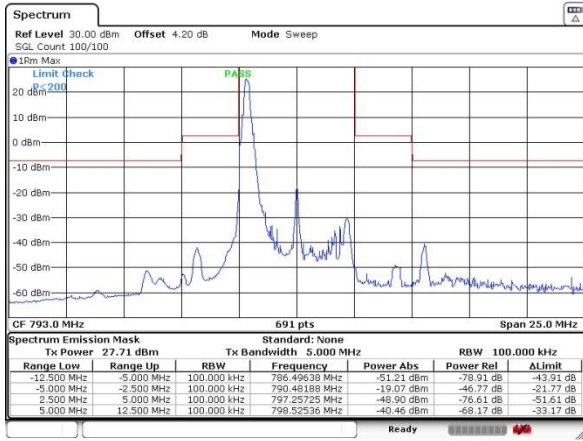
LTE Band 14/ 5MHz

Lowest Channel / 1RB0 / 64QAM



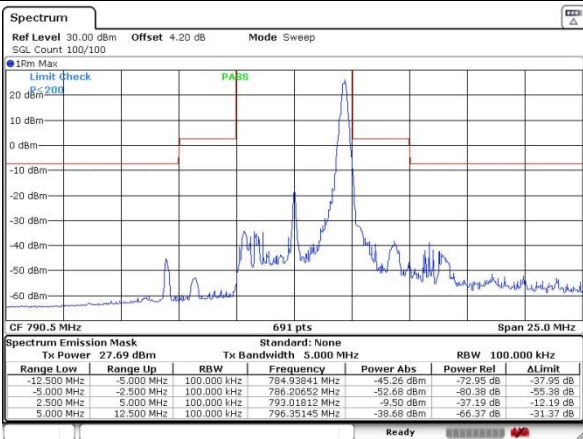
Date: 20 JAN 2020 14:46:33

Middle Channel / 1RB0 / 64QAM



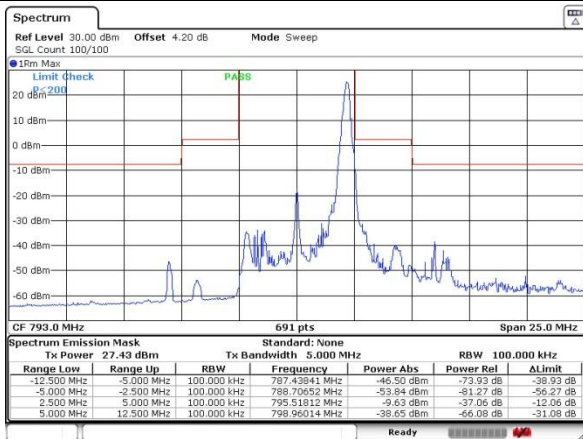
Date: 20 JAN 2020 14:34:55

Lowest Channel / 1RBmax / 64QAM



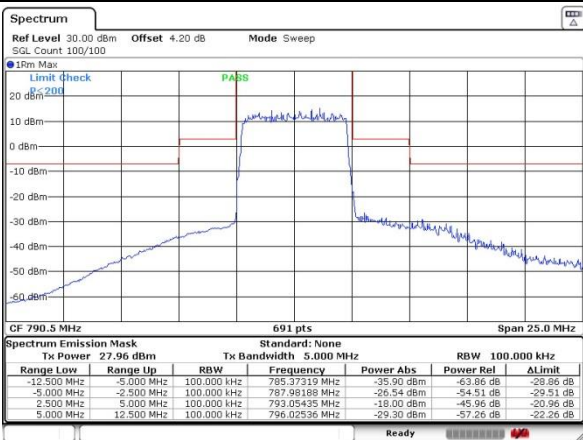
Date: 20 JAN 2020 14:41:20

Middle Channel / 1RBmax / 64QAM



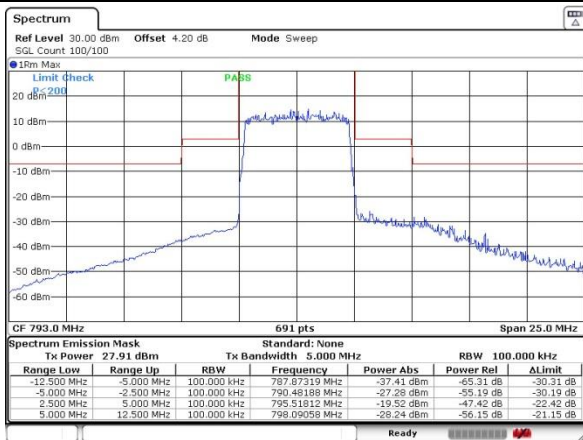
Date: 20 JAN 2020 14:38:22

Lowest Channel / fullRB0 / 64QAM



Date: 20 JAN 2020 14:47:29

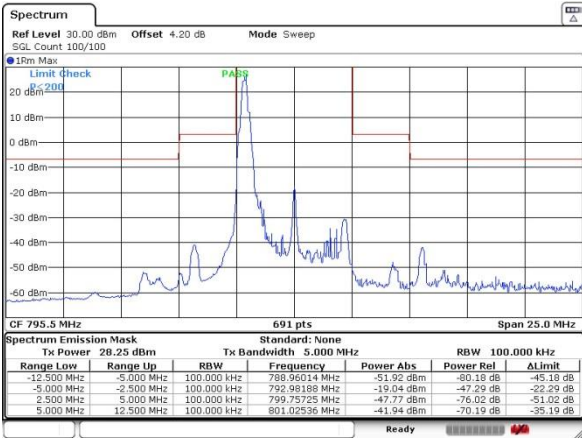
Middle Channel / fullRB0 / 64QAM



Date: 20 JAN 2020 14:33:22

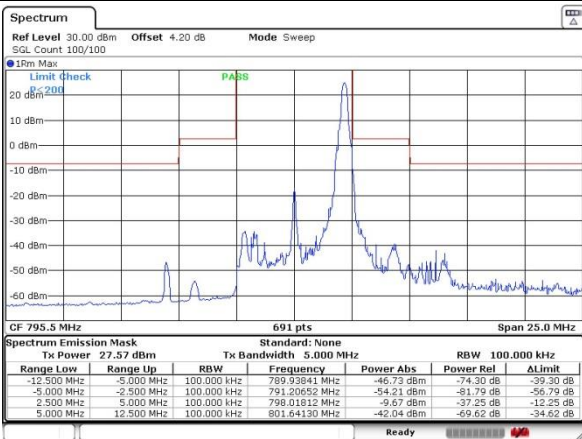
LTE Band 14/ 5MHz

Highest Channel / 1RB0 / 64QAM



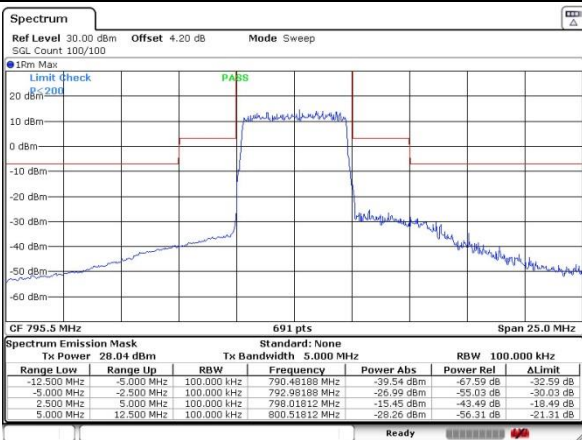
Date: 20 JAN 2020 14:54:28

Highest Channel / 1RBmax / 64QAM



Date: 20 JAN 2020 14:58:40

Highest Channel / fullRB0 / 64QAM

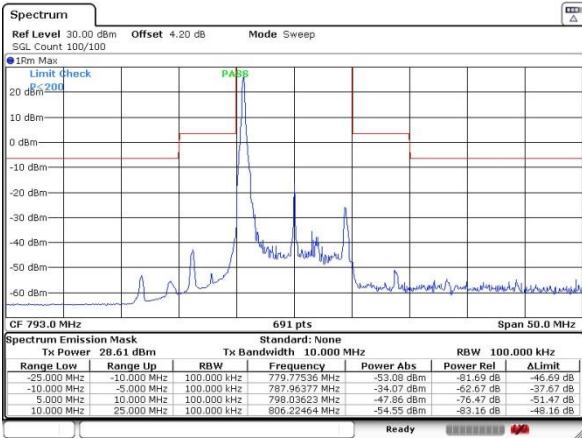


Date: 20 JAN 2020 14:53:36



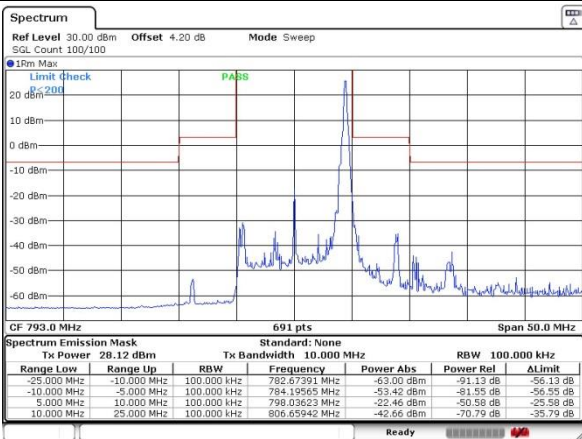
LTE Band 14/ 10MHz

Middle Channel / 1RB0 / 64QAM



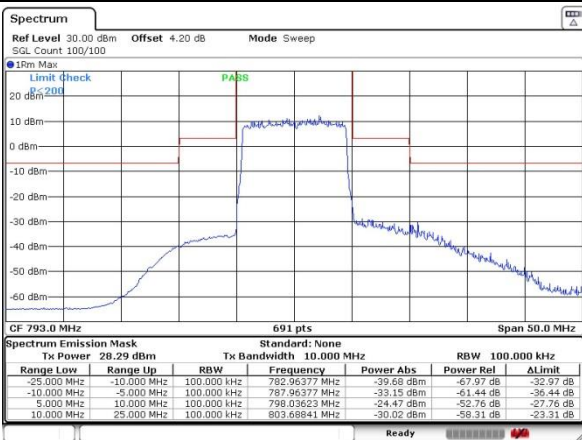
Date: 20 JAN 2020 14:10:09

Middle Channel / 1RBmax / 64QAM



Date: 20 JAN 2020 14:11:23

Middle Channel / fullRB0 / 64QAM



Date: 20 JAN 2020 13:58:48



Frequency Stability

| Test Conditions | | LTE Band 14 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | 1.25ppm |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0045 | PASS |
| 40 | Normal Voltage | 0.0032 | |
| 30 | Normal Voltage | 0.0007 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0026 | |
| 0 | Normal Voltage | 0.0040 | |
| -10 | Normal Voltage | 0.0011 | |
| -20 | Normal Voltage | 0.0044 | |
| -30 | Normal Voltage | 0.0006 | |
| 20 | Maximum Voltage | 0.0037 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0026 | |

Note: Normal Voltage =3.85V. ; Battery End Point (BEP) =3.65V. ; Maximum Voltage =4.4V.

Appendix B. Test Results of Radiated Test

Field Strength of Spurious Radiated

| LTE Band 14 / QPSK / RB Size 1 Offset 0 | | | | | | | | |
|--|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Bandwidth | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| 10MHz | 1578 | -62.10 | -42.15 | -19.95 | -64.73 | 1.09 | 5.87 | H |
| | 2366 | -54.78 | -13 | -41.78 | -57.18 | 1.37 | 5.92 | H |
| | 3156 | -62.98 | -13 | -49.98 | -66.87 | 1.64 | 7.68 | H |
| | 1578 | -59.40 | -42.15 | -17.25 | -62.03 | 1.09 | 5.87 | V |
| | 2366 | -50.21 | -13 | -37.21 | -52.61 | 1.37 | 5.92 | V |
| | 3156 | -62.56 | -13 | -49.56 | -66.45 | 1.64 | 7.68 | V |
| Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line. | | | | | | | | |
| Test Result | | | | | PASS | | | |