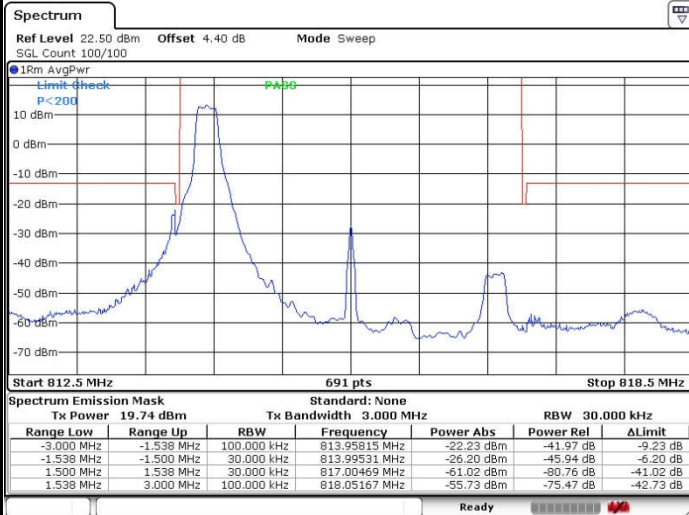




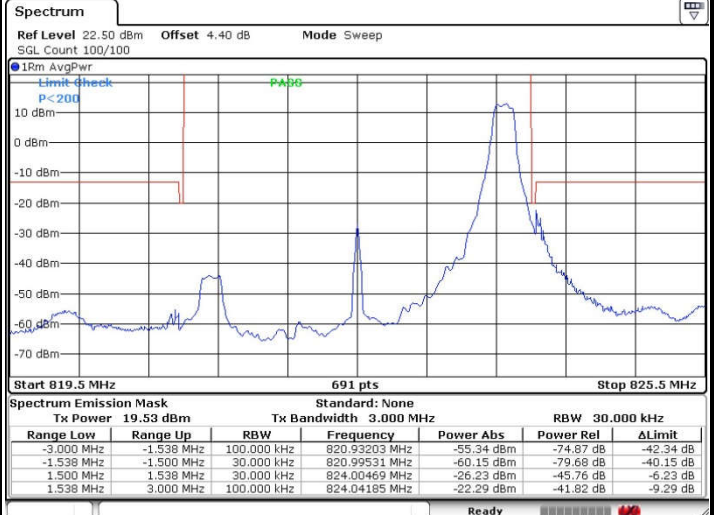
LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1RB



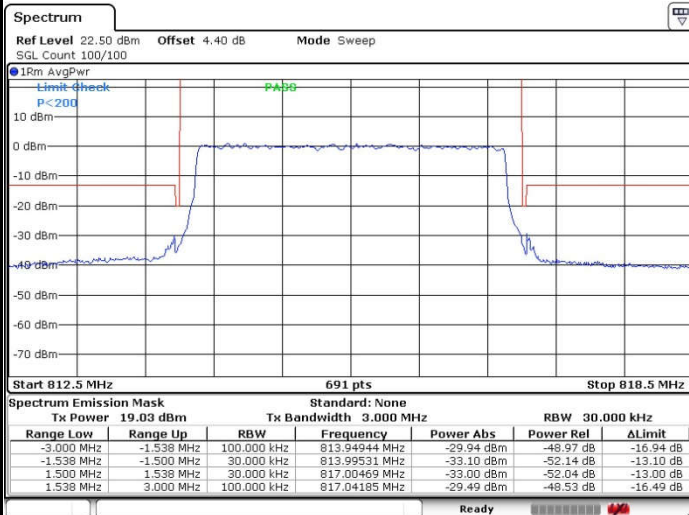
Date: 23 JAN 2018 11:44:43

Highest Band Edge / 1RB



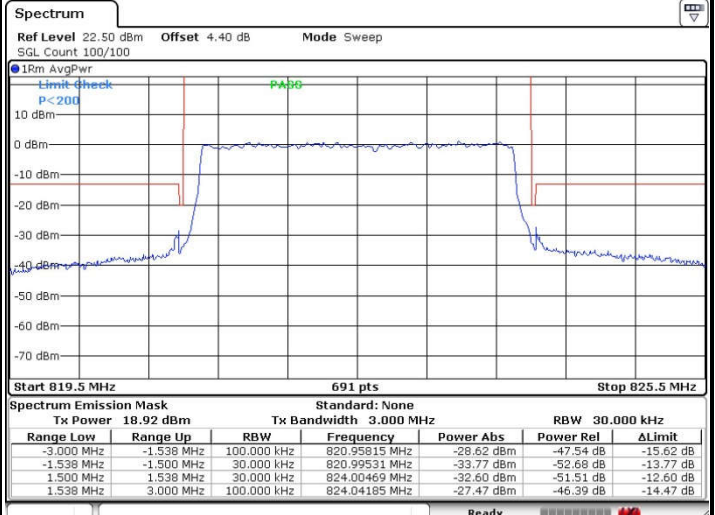
Date: 23 JAN 2018 11:52:11

Lowest Band Edge / Full RB



Date: 23 JAN 2018 11:50:50

Highest Band Edge / Full RB

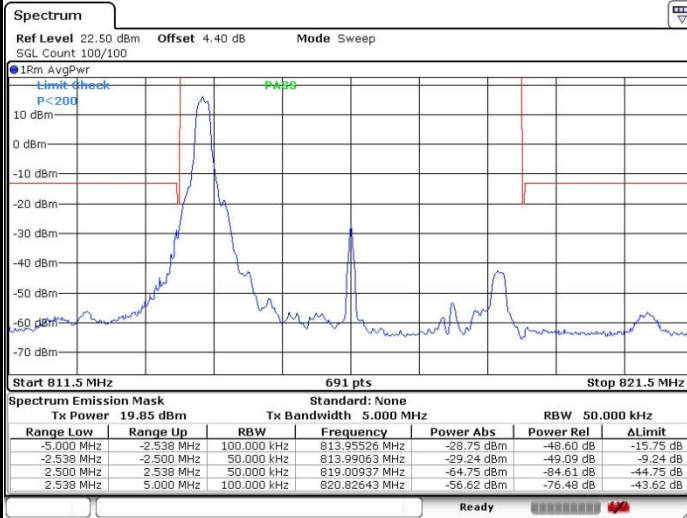


Date: 23 JAN 2018 11:51:39



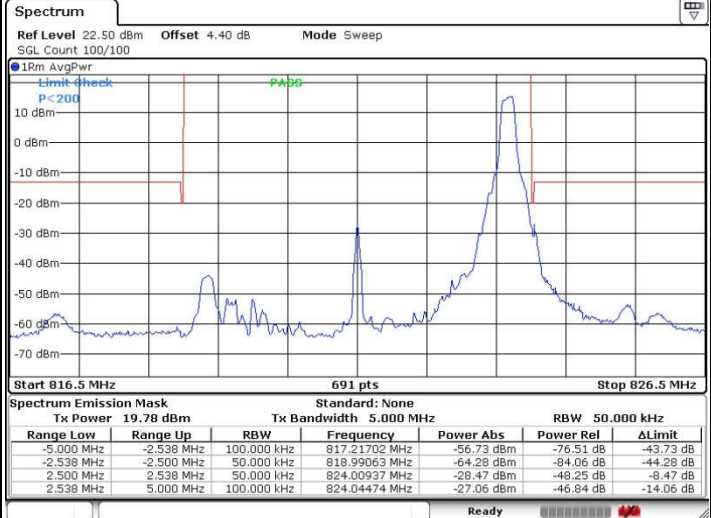
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



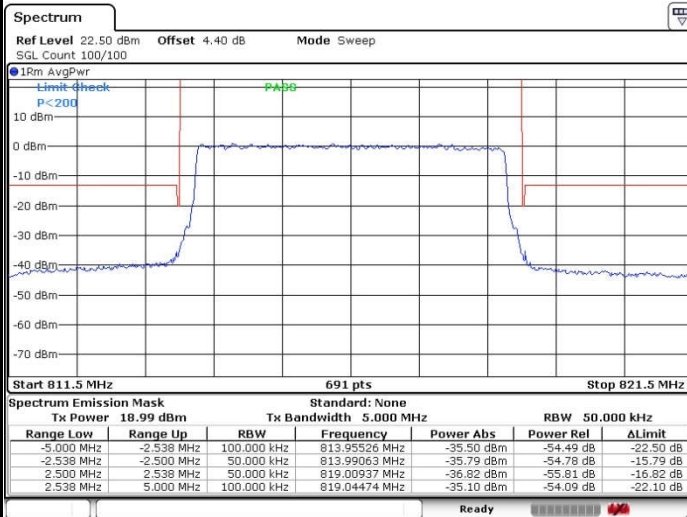
Date: 23 JAN 2018 11:53:47

Highest Band Edge / 1RB



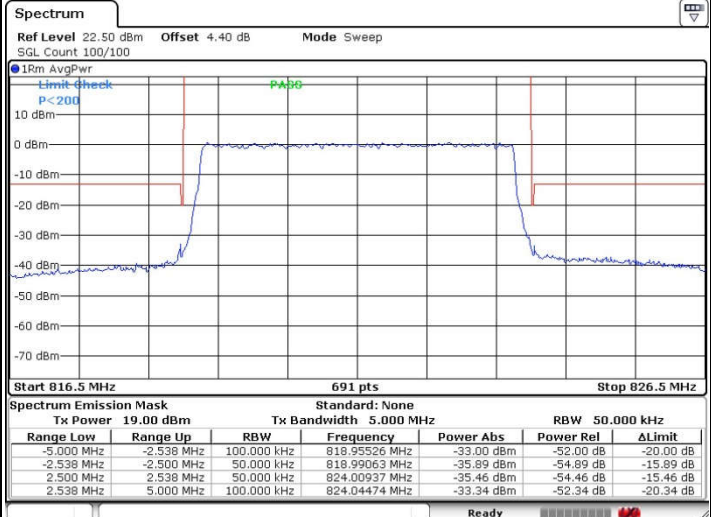
Date: 23 JAN 2018 11:55:36

Lowest Band Edge / Full RB



Date: 23 JAN 2018 11:54:14

Highest Band Edge / Full RB



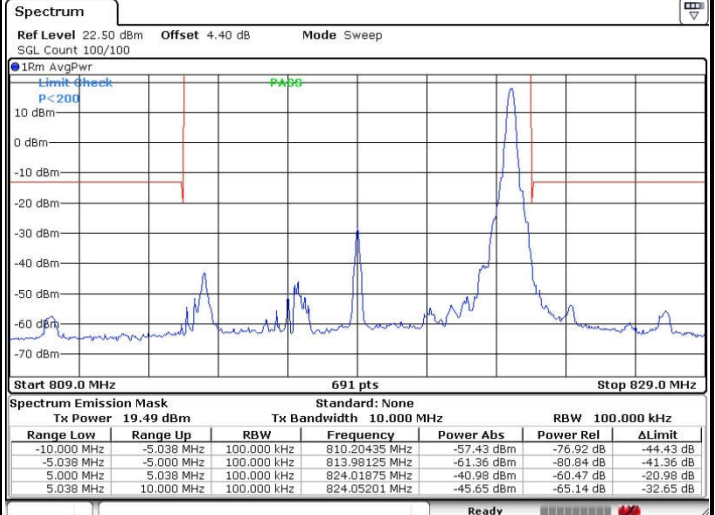
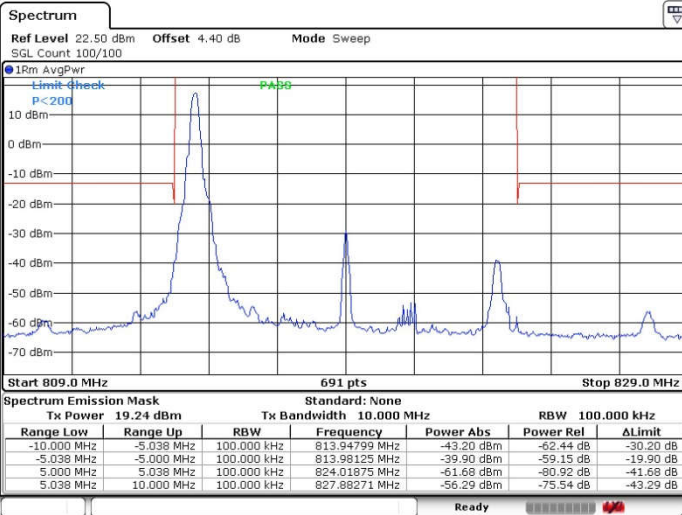
Date: 23 JAN 2018 11:55:17



LTE Band 26 / 10MHz / 64QAM

Middle Band Edge / 1 RB0

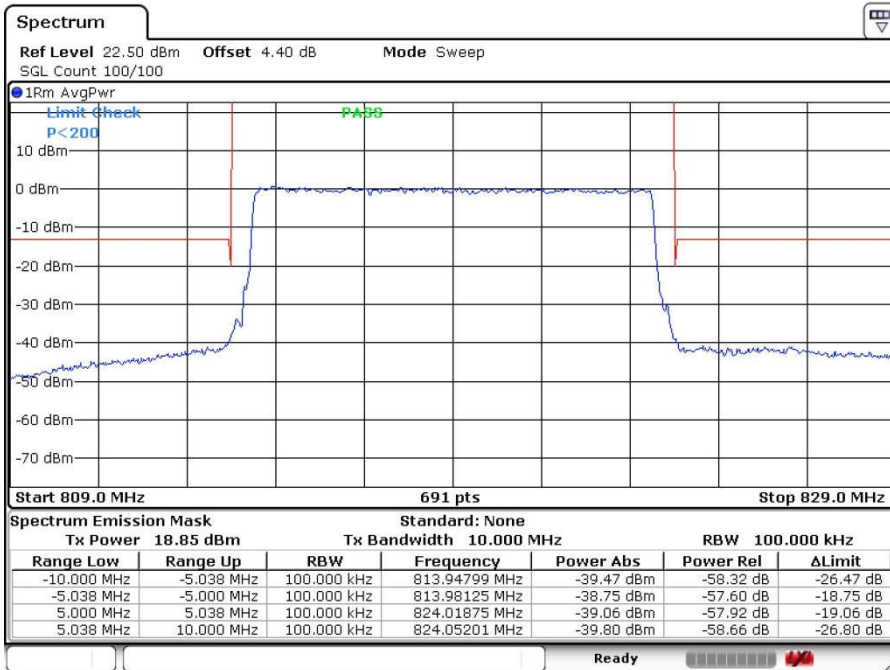
Middle Band Edge / 1 RBmax



Date: 23 JAN 2018 11:57:28

Date: 23 JAN 2018 11:58:47

Middle Band Edge / Full RB



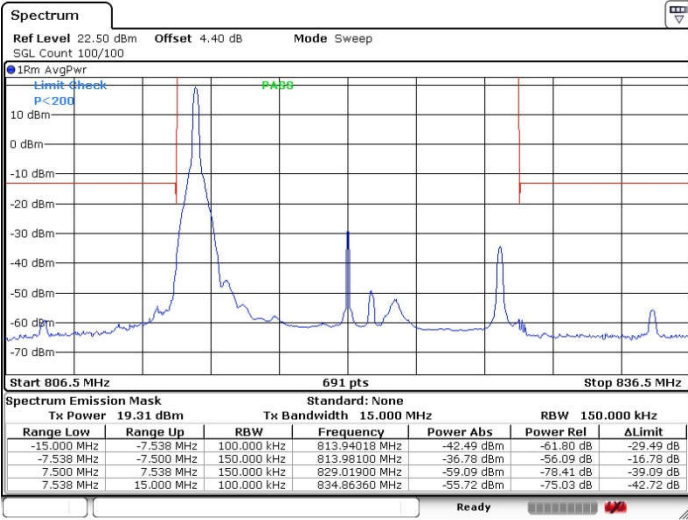
Date: 23 JAN 2018 11:58:10



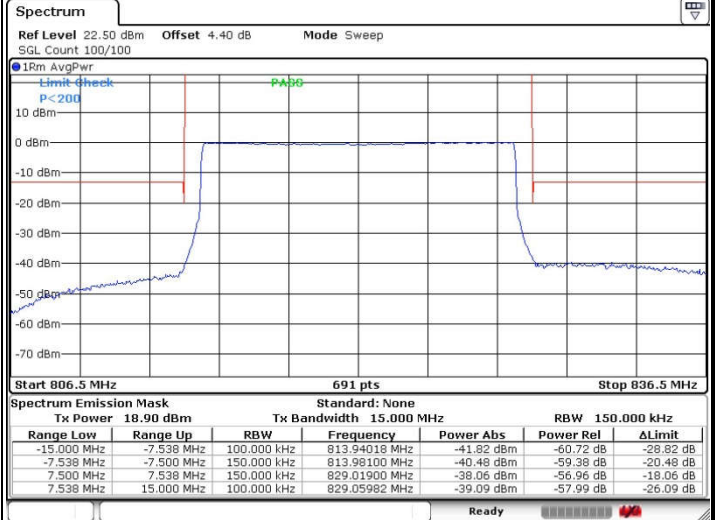
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB0

Lowest Band Edge / Full RB



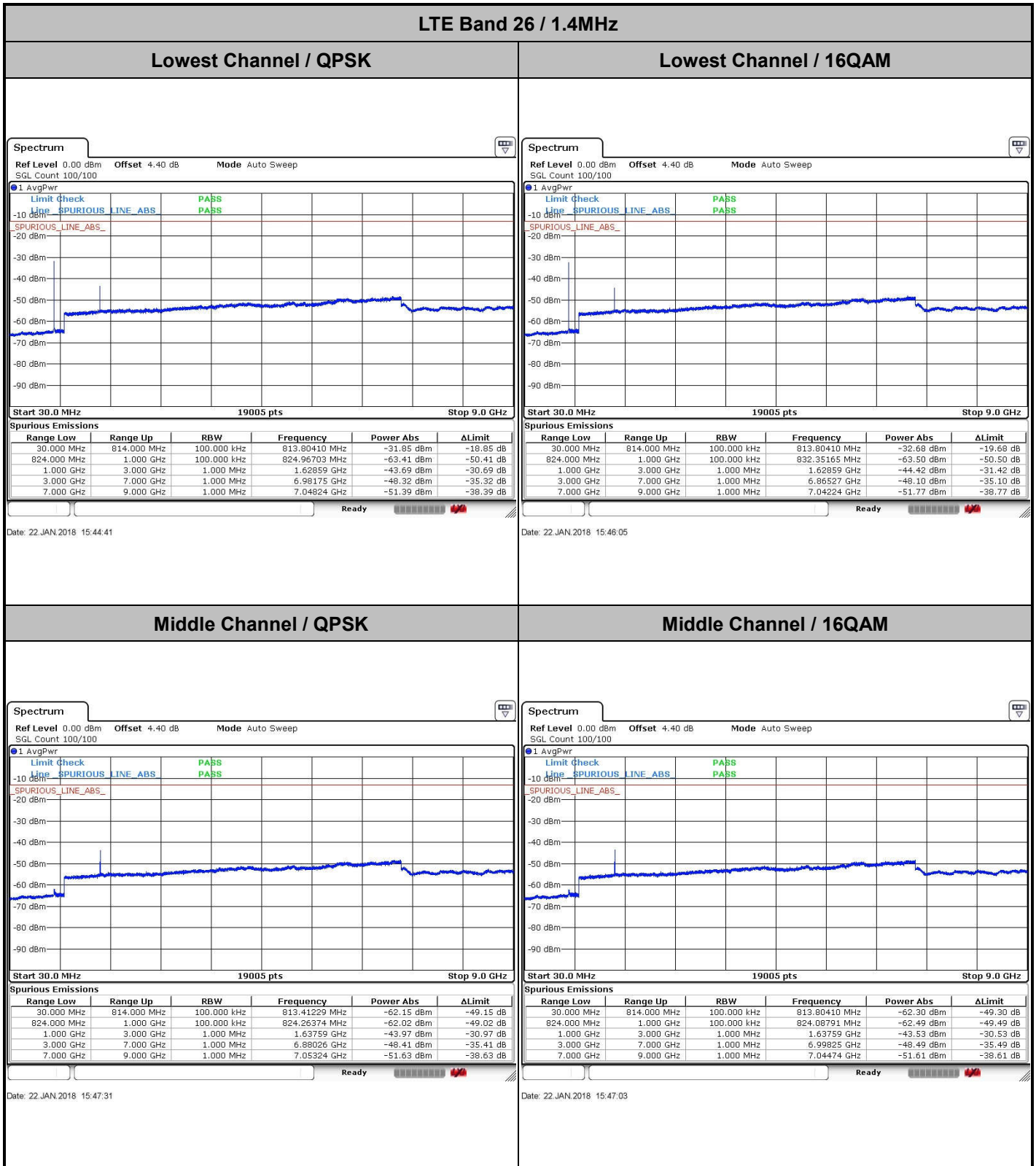
Date: 23.JAN.2018 13:38:54



Date: 23.JAN.2018 13:40:15



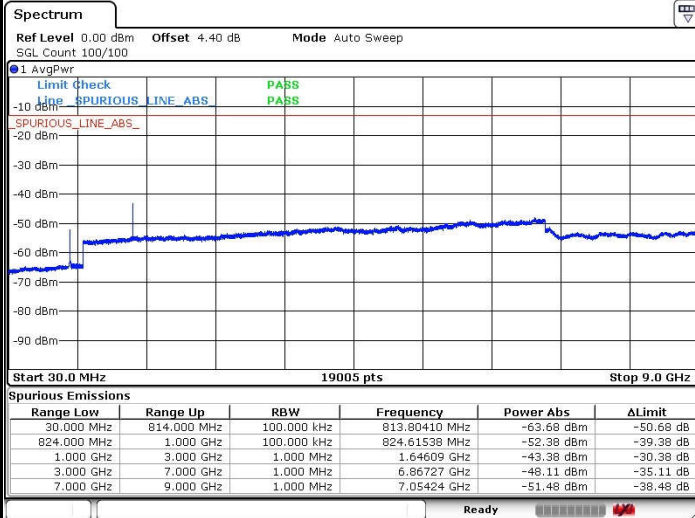
Conducted Spurious Emission





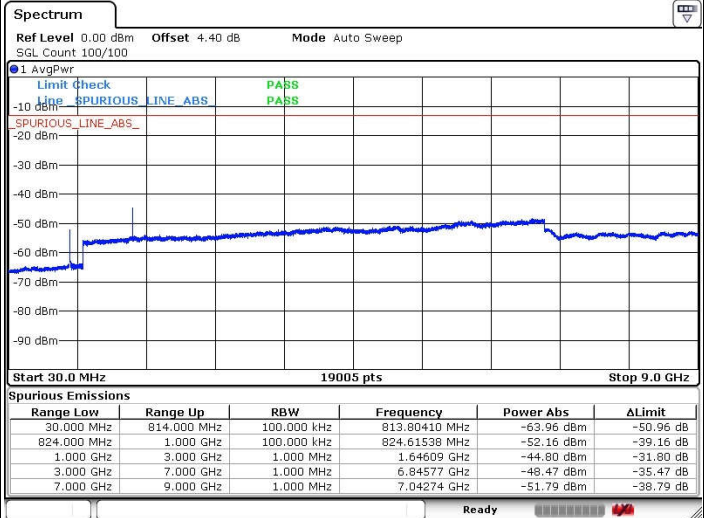
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 22.JAN.2018 15:48:03

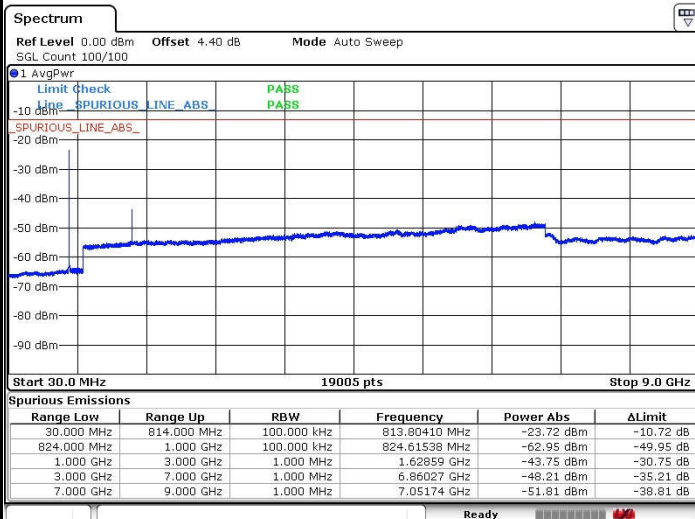
Highest Channel / 16QAM



Date: 22.JAN.2018 15:48:34

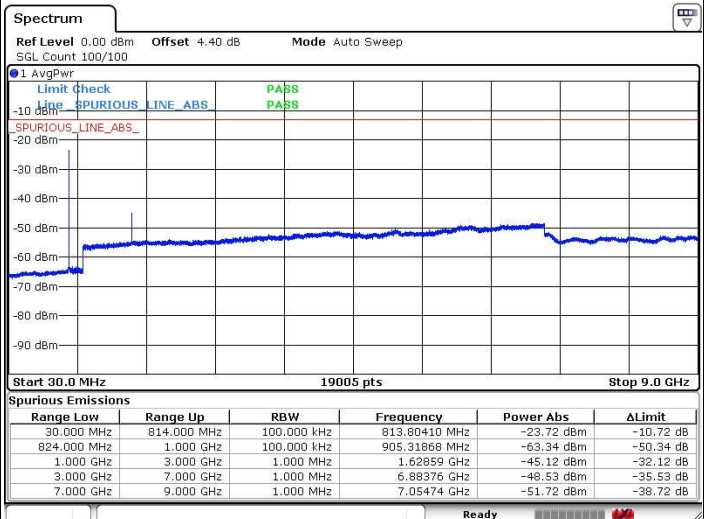
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 22.JAN.2018 15:50:08

Lowest Channel / 16QAM



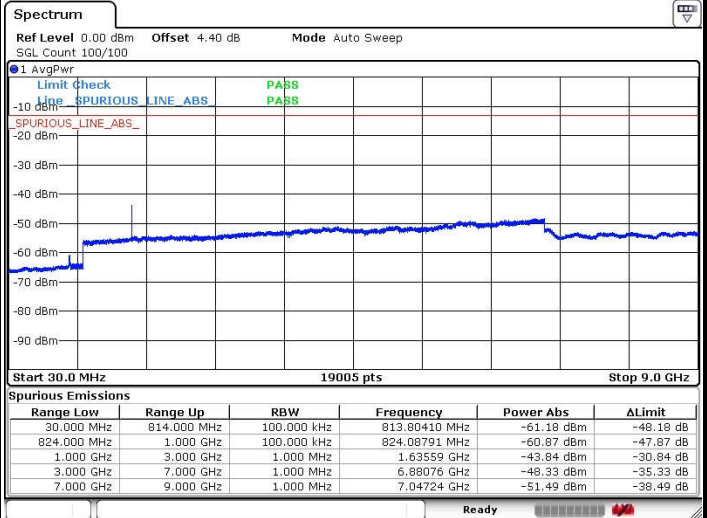
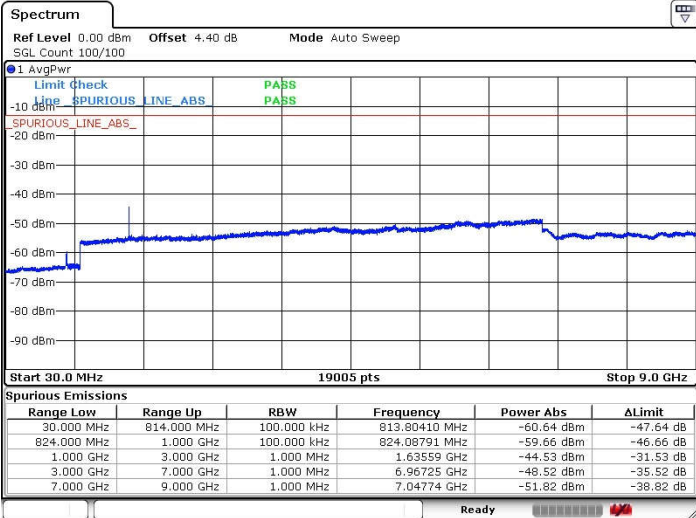
Date: 22.JAN.2018 15:50:39



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

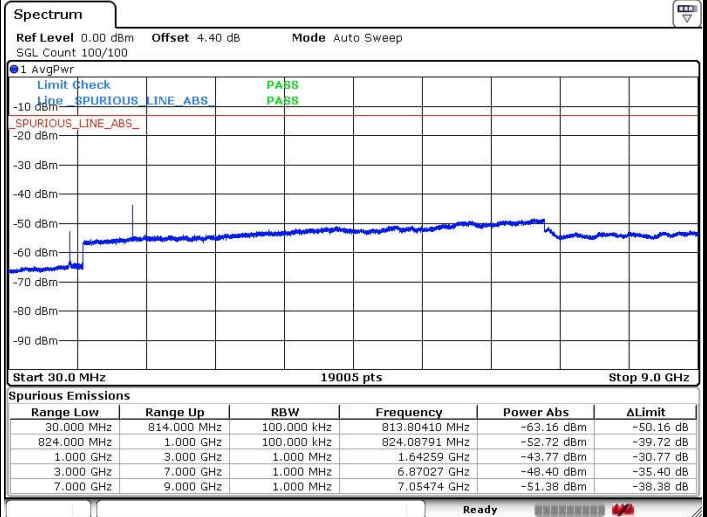
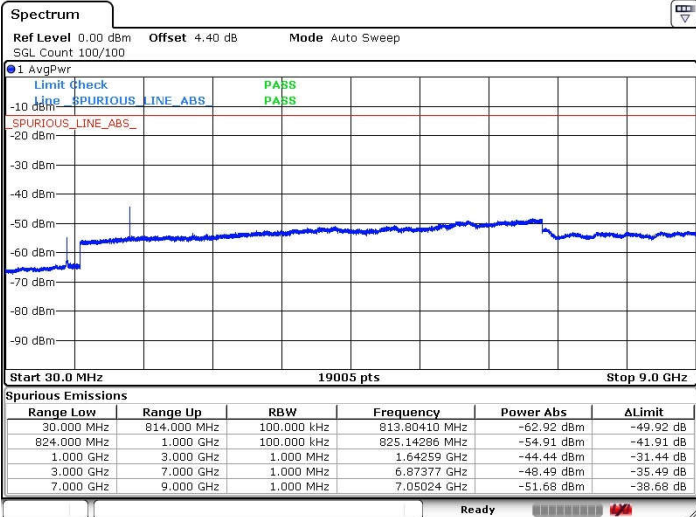


Date: 22.JAN.2018 15:51:42

Date: 22.JAN.2018 15:51:11

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 22.JAN.2018 15:52:14

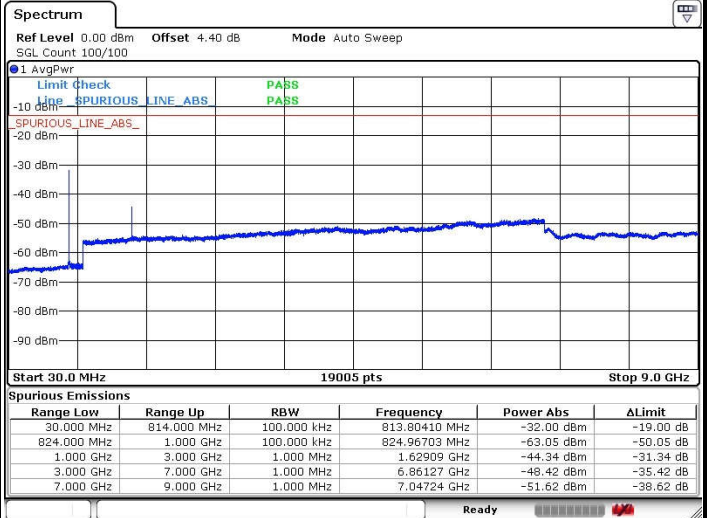
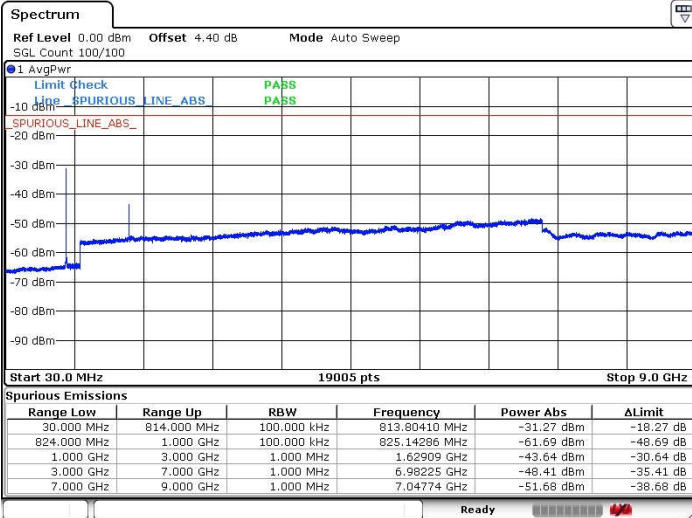
Date: 22.JAN.2018 15:52:39



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

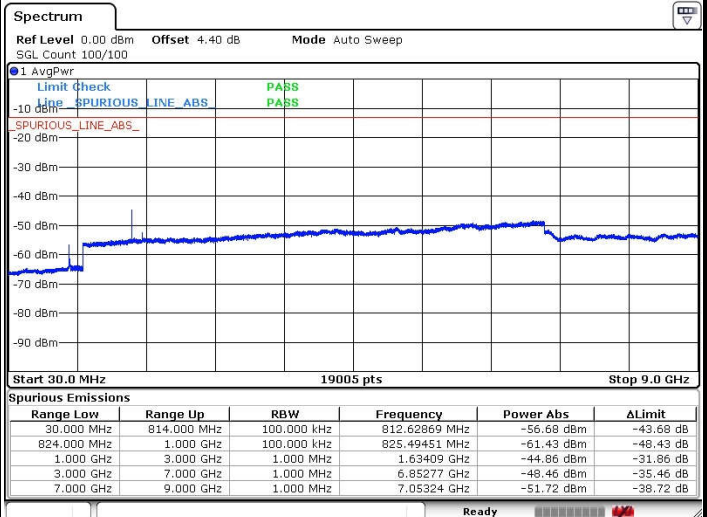
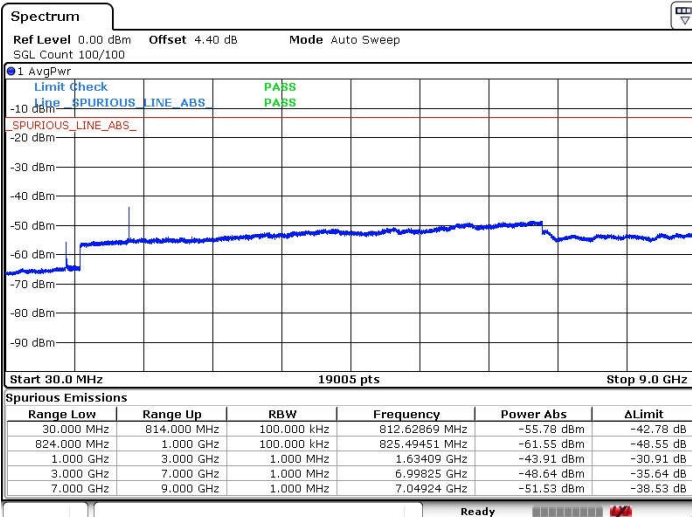


Date: 22.JAN.2018 16:00:35

Date: 22.JAN.2018 16:01:05

Middle Channel / QPSK

Middle Channel / 16QAM



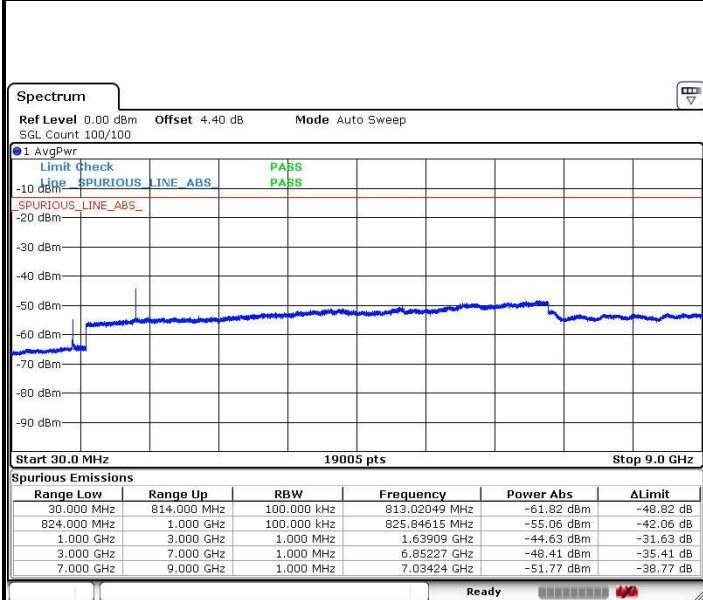
Date: 22.JAN.2018 16:02:09

Date: 22.JAN.2018 16:01:38



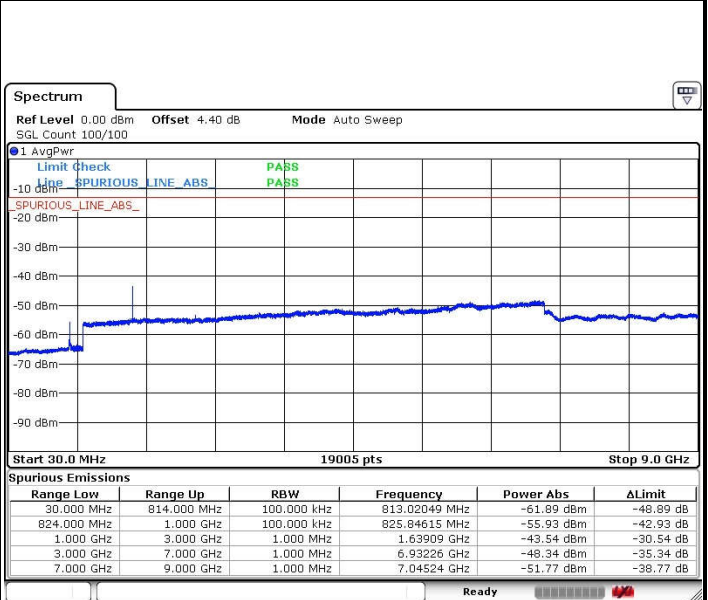
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 22.JAN.2018 16:02:45

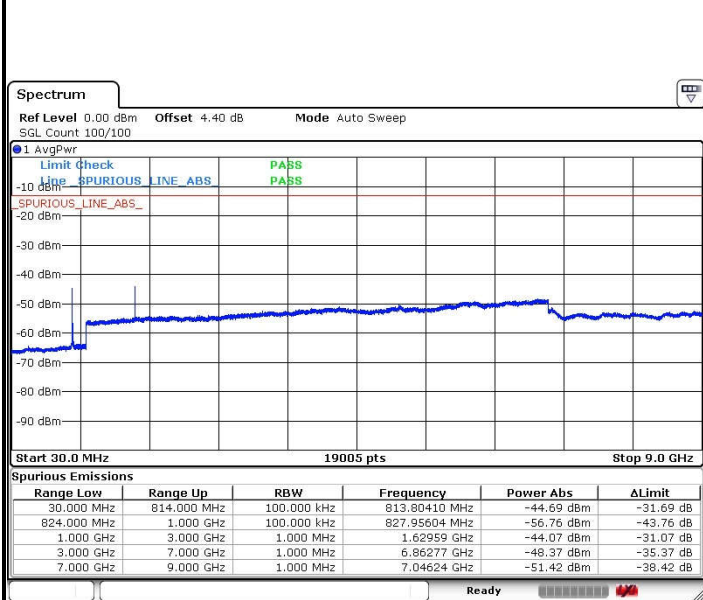
Highest Channel / 16QAM



Date: 22.JAN.2018 16:03:55

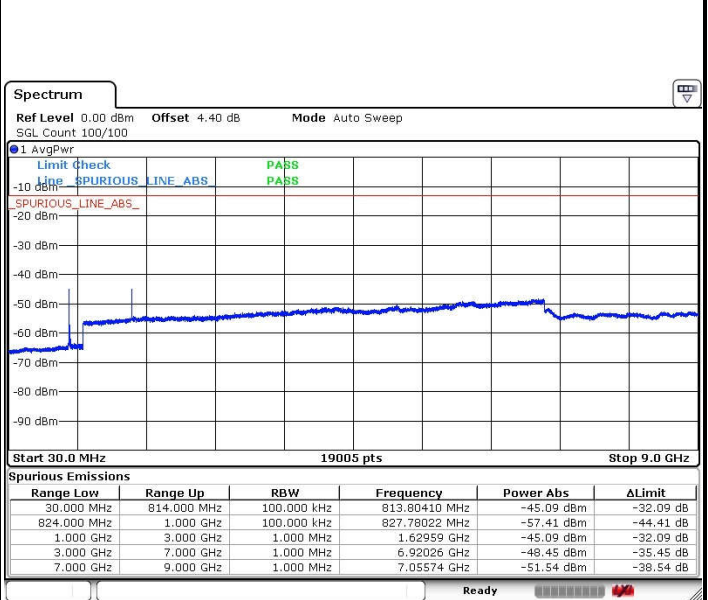
LTE Band 26 / 10MHz

Middle Channel / QPSK

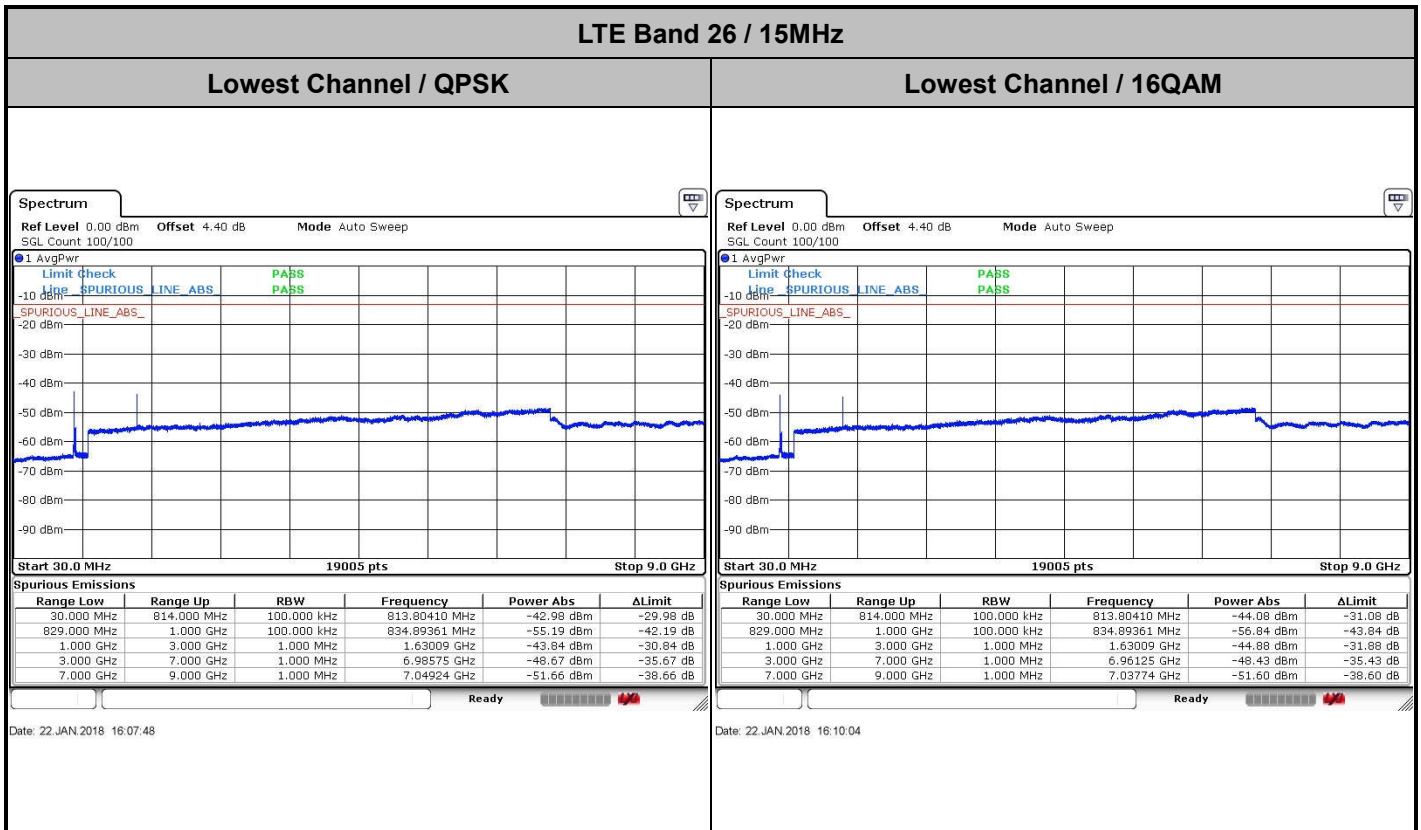


Date: 22.JAN.2018 16:06:12

Middle Channel / 16QAM



Date: 22.JAN.2018 16:05:04

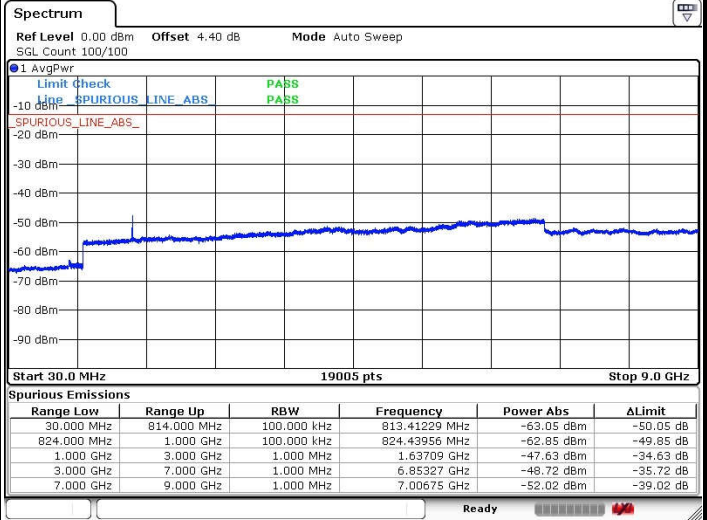
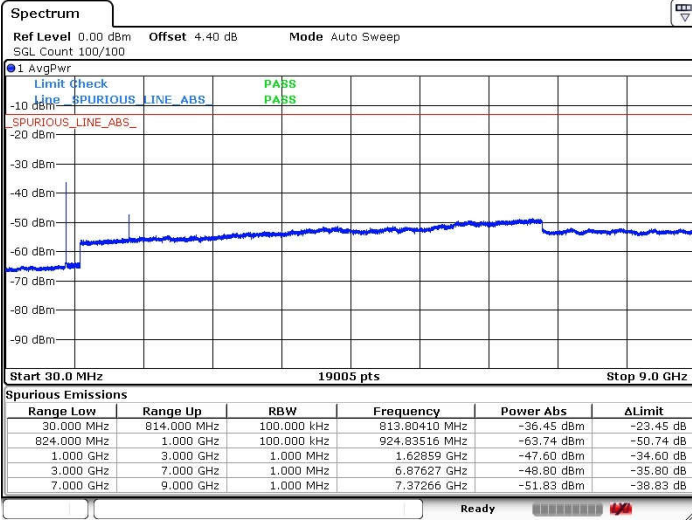




LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

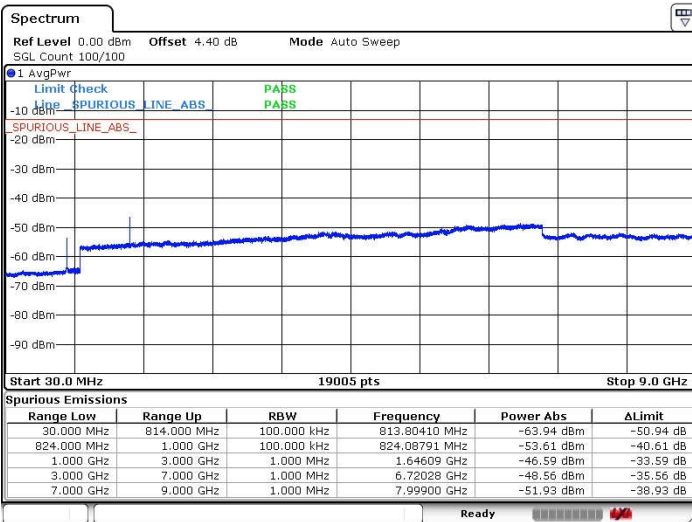
Middle Channel / 64QAM



Date: 23.JAN.2018 13:44:37

Date: 23.JAN.2018 13:47:04

Highest Channel / 64QAM



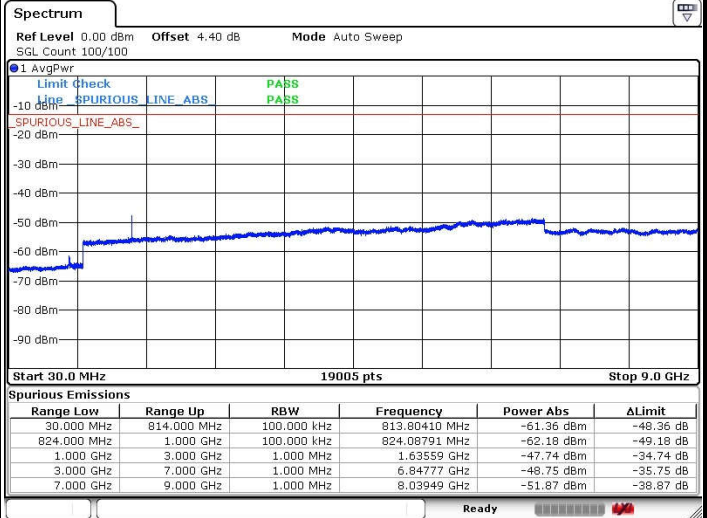
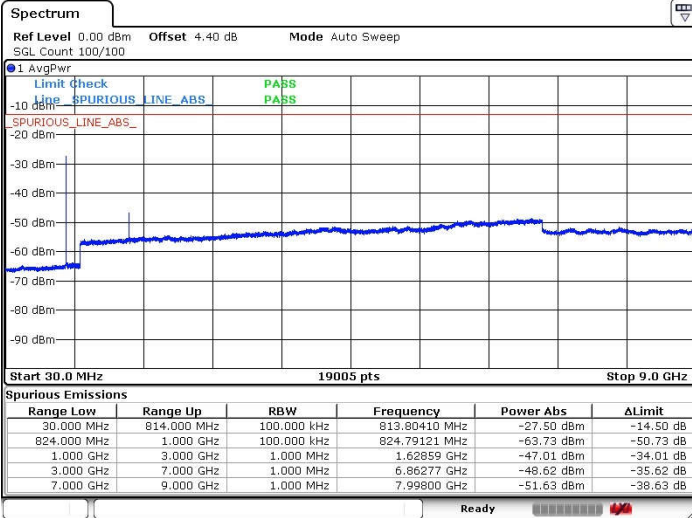
Date: 23.JAN.2018 13:48:04



LTE Band 26 / 3MHz

Lowest Channel / 64QAM

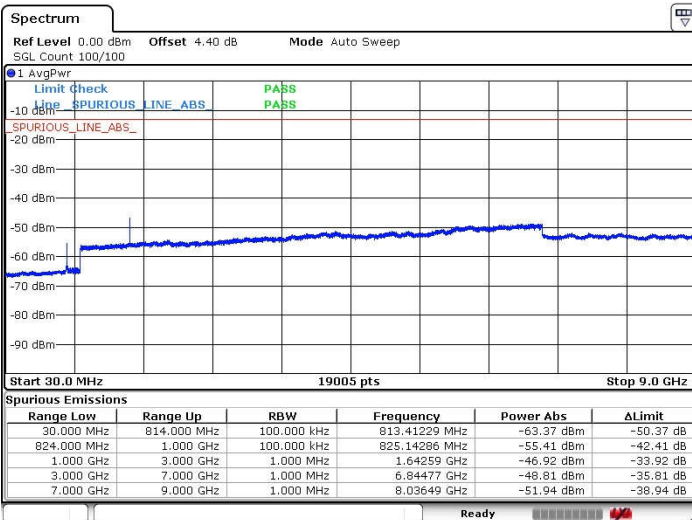
Middle Channel / 64QAM



Date: 23.JAN.2018 13:48:33

Date: 23.JAN.2018 13:50:34

Highest Channel / 64QAM



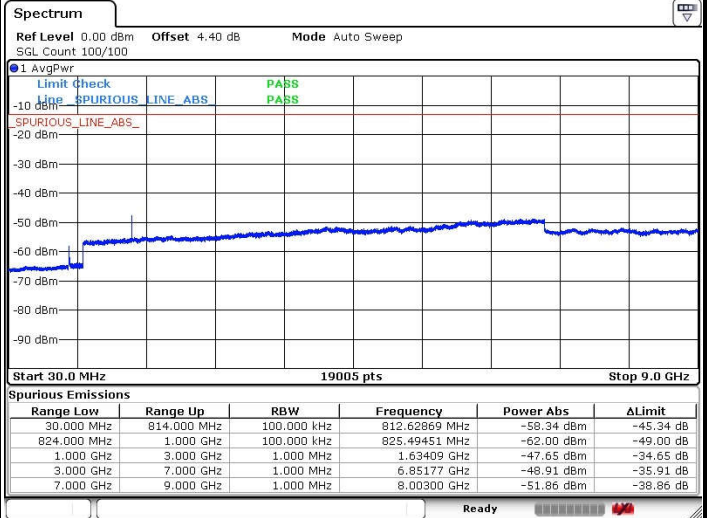
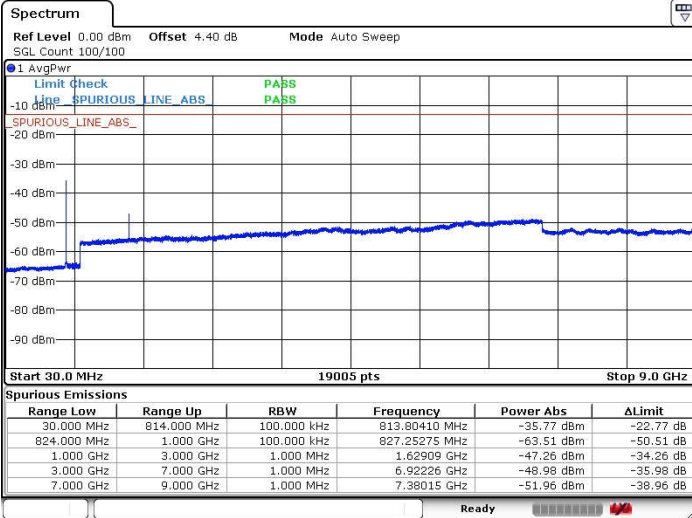
Date: 23.JAN.2018 13:51:53



LTE Band 26 / 5MHz

Lowest Channel / 64QAM

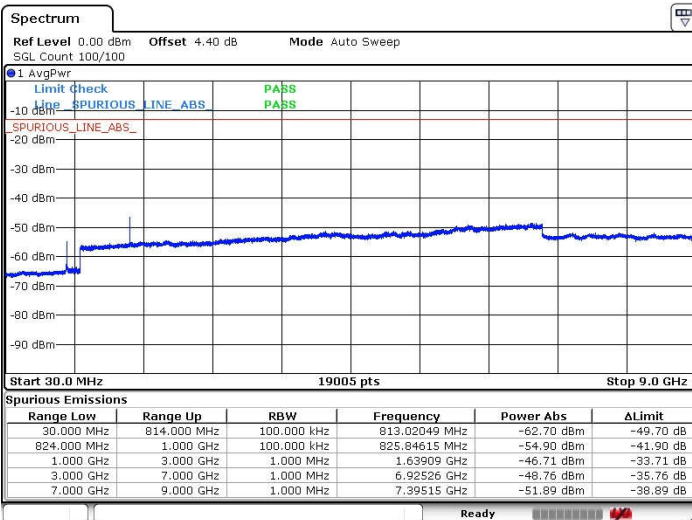
Middle Channel / 64QAM



Date: 23.JAN.2018 13:53:42

Date: 23.JAN.2018 13:55:37

Highest Channel / 64QAM

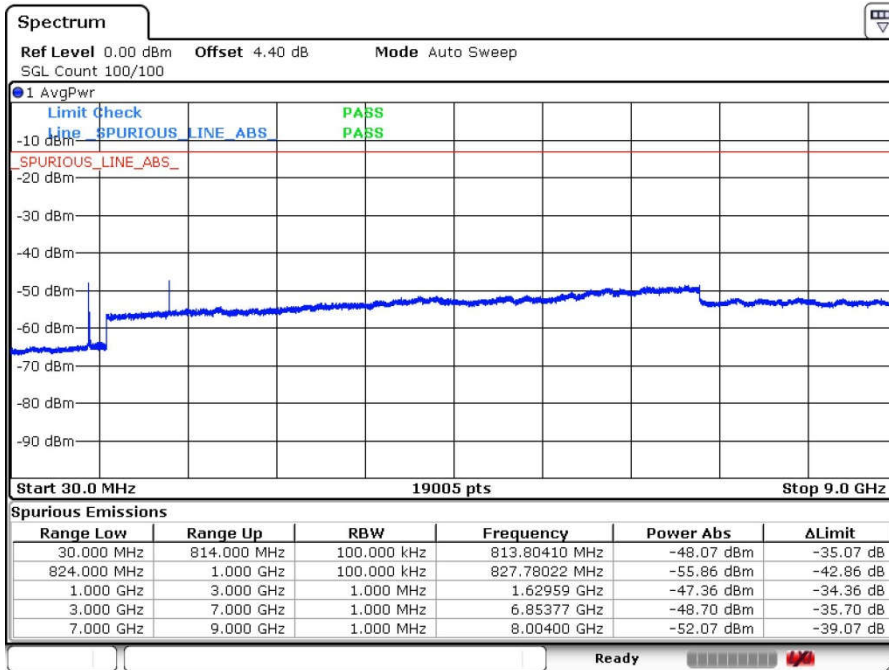


Date: 23.JAN.2018 13:56:24



LTE Band 26 / 10MHz

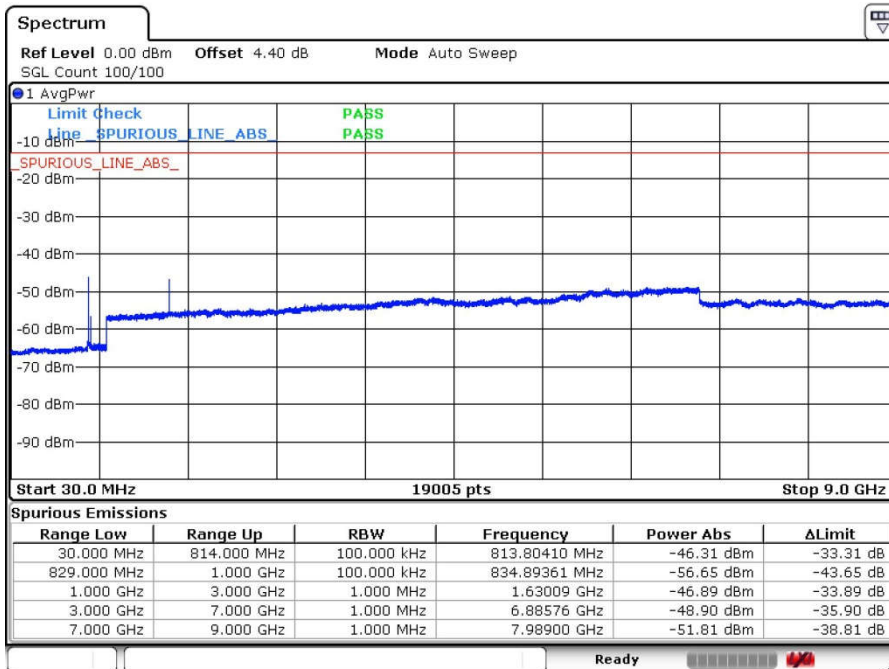
Middle Channel / 64QAM



Date: 23 JAN 2018 13:57:12

LTE Band 26 / 15MHz

Lowest Channel / 64QAM



Date: 23 JAN 2018 13:59:06



Frequency Stability

| Test Conditions | | LTE Band 26 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|-------------------------------------|--------|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | 2.5ppm |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0053 | PASS |
| 40 | Normal Voltage | 0.0087 | |
| 30 | Normal Voltage | 0.0065 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0079 | |
| 0 | Normal Voltage | 0.0004 | |
| -10 | Normal Voltage | 0.0020 | |
| -20 | Normal Voltage | 0.0087 | |
| -30 | Normal Voltage | 0.0068 | |
| 20 | Maximum Voltage | 0.0017 | |
| 20 | Normal Voltage | 0.0001 | |
| 20 | Battery End Point | 0.0072 | |

Note: Normal Voltage =11.58 V. : Battery End Point (BEP) =9 V. : Maximum Voltage =13 V.



Appendix B. Test Results of Radiated Test

| LTE Band 26 / 15MHz / 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 | 1633 | -68.74 | -13 | -55.74 | -56.63 | -70.55 | 0.97 | 4.93 | H |
| | 2464 | -59.52 | -13 | -46.52 | -52.75 | -61.38 | 1.28 | 5.29 | H |
| | 3264 | -63.09 | -13 | -50.09 | -58.55 | -66.37 | 1.53 | 6.96 | H |
| | 1633 | -68.42 | -13 | -55.42 | -56.86 | -70.23 | 0.97 | 4.93 | V |
| | 2464 | -59.22 | -13 | -46.22 | -52.97 | -61.08 | 1.28 | 5.29 | V |
| | 3264 | -63.61 | -13 | -50.61 | -59.16 | -66.89 | 1.53 | 6.96 | V |

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

| LTE Band 26 / 10MHz / 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) |
| Middle | 1640 | -68.20 | -13 | -55.20 | -56.03 | -69.98 | 0.97 | 4.91 | H |
| | 2456 | -62.73 | -13 | -49.73 | -55.92 | -64.57 | 1.28 | 5.27 | H |
| | 3264 | -63.83 | -13 | -50.83 | -59.06 | -67.11 | 1.53 | 6.96 | H |
| | 1640 | -68.31 | -13 | -55.31 | -56.73 | -70.09 | 0.97 | 4.91 | V |
| | 2456 | -60.04 | -13 | -47.04 | -54.02 | -61.88 | 1.28 | 5.27 | V |
| | 3264 | -63.52 | -13 | -50.52 | -59.12 | -66.8 | 1.53 | 6.96 | V |

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



| 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 | 1632 | -69.06 | -13 | -56.06 | -56.88 | -70.87 | 0.97 | 4.93 | H |
| | 2456 | -63.16 | -13 | -50.16 | -56.24 | -65 | 1.28 | 5.27 | H |
| | 3266 | -63.60 | -13 | -50.60 | -58.87 | -66.89 | 1.53 | 6.97 | H |
| | 1632 | -68.52 | -13 | -55.52 | -56.81 | -70.33 | 0.97 | 4.93 | V |
| | 2456 | -62.81 | -13 | -49.81 | -56.31 | -64.65 | 1.28 | 5.27 | V |
| | 3264 | -63.20 | -13 | -50.20 | -59.11 | -66.48 | 1.53 | 6.96 | V |
| Middle | 1640 | -69.25 | -13 | -56.25 | -57.1 | -71.03 | 0.97 | 4.91 | H |
| | 2456 | -65.17 | -13 | -52.17 | -58.21 | -67.01 | 1.28 | 5.27 | H |
| | 3264 | -63.54 | -13 | -50.54 | -58.74 | -66.82 | 1.53 | 6.96 | H |
| | 1640 | -68.49 | -13 | -55.49 | -56.99 | -70.27 | 0.97 | 4.91 | V |
| | 2456 | -64.33 | -13 | -51.33 | -58.13 | -66.17 | 1.28 | 5.27 | V |
| | 3264 | -63.61 | -13 | -50.61 | -59.19 | -66.89 | 1.53 | 6.96 | V |
| Highest | 1640 | -69.35 | -13 | -56.35 | -57.16 | -71.13 | 0.97 | 4.91 | H |
| | 2472 | -59.17 | -13 | -46.17 | -52.38 | -61.05 | 1.28 | 5.32 | H |
| | 3288 | -63.73 | -13 | -50.73 | -59.2 | -67.11 | 1.54 | 7.07 | H |
| | 1640 | -68.59 | -13 | -55.59 | -56.99 | -70.37 | 0.97 | 4.91 | V |
| | 2472 | -58.13 | -13 | -45.13 | -51.84 | -60.01 | 1.28 | 5.32 | V |
| | 3288 | -63.06 | -13 | -50.06 | -58.76 | -66.44 | 1.54 | 7.07 | V |

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