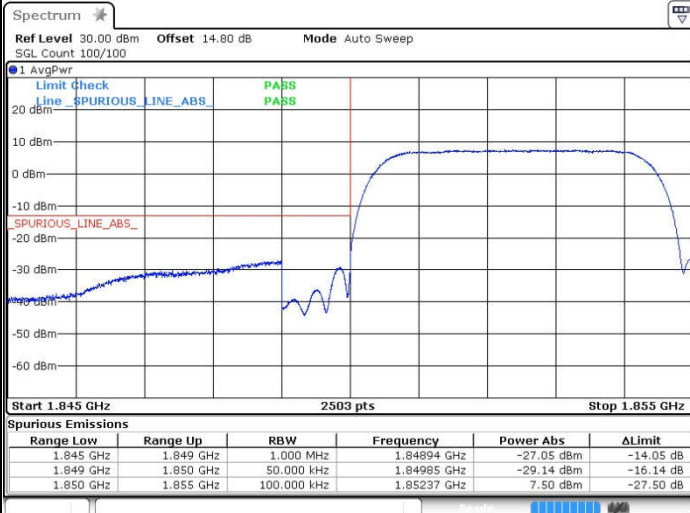




WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



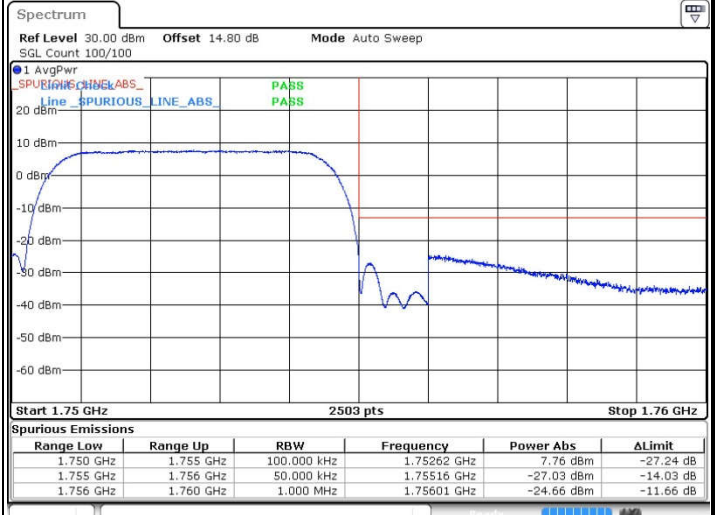
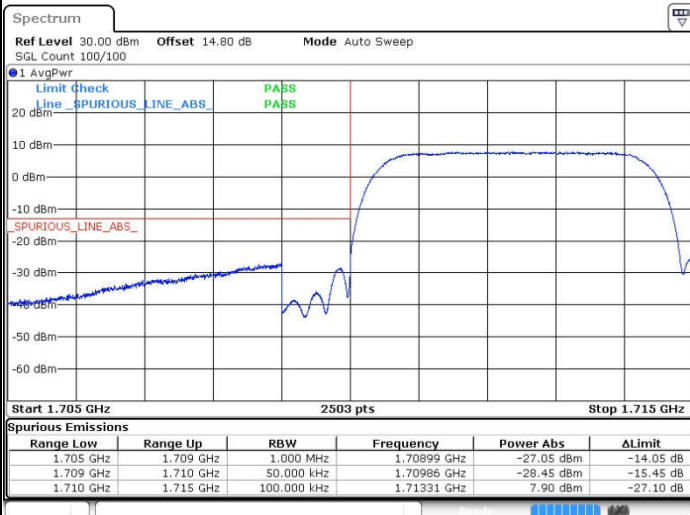
Date: 13.NOV.2018 20:11:14

Date: 13.NOV.2018 20:14:44

WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge

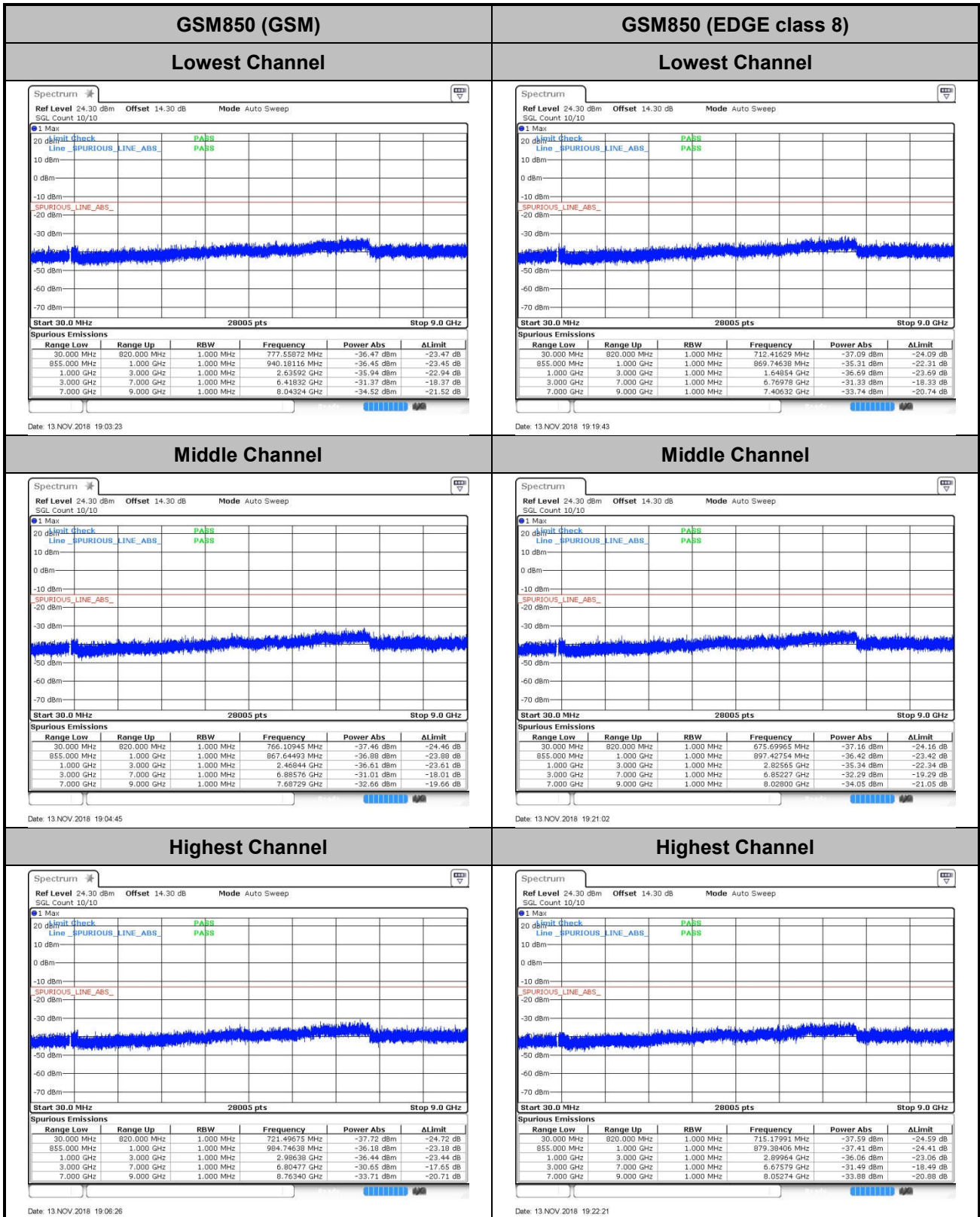


Date: 13.NOV.2018 20:28:39

Date: 13.NOV.2018 20:31:41



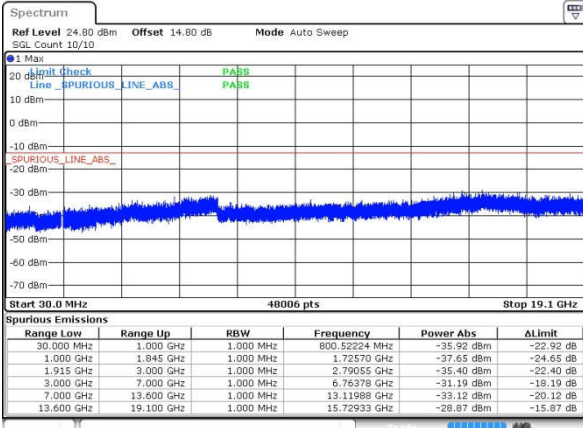
Conducted Spurious Emission





GSM1900 (GSM)

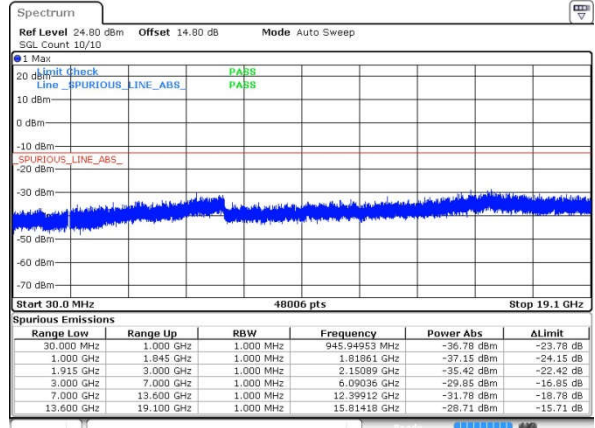
Lowest Channel



Date: 13 NOV 2018 19:39:23

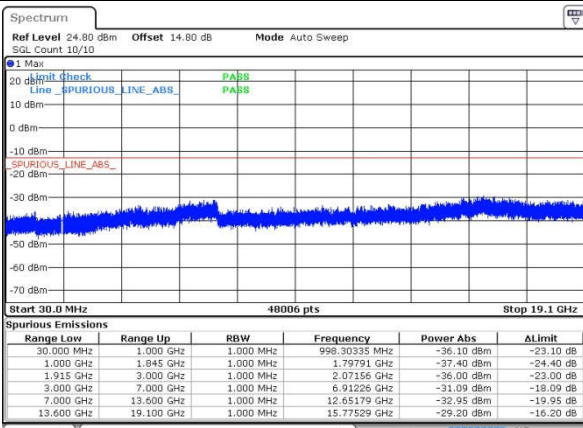
GSM1900 (EDGE class 8)

Lowest Channel



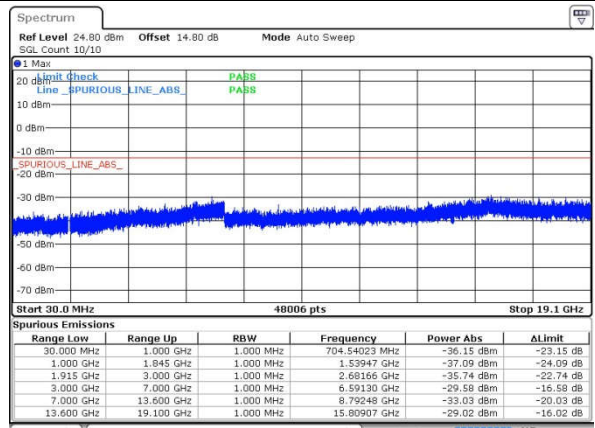
Date: 13 NOV 2018 19:54:39

Middle Channel



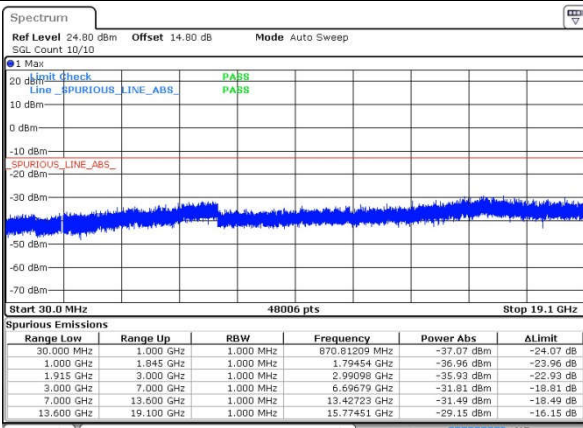
Date: 13 NOV 2018 19:40:45

Middle Channel



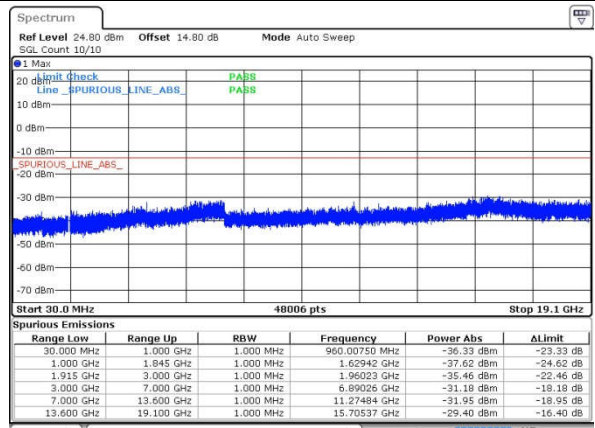
Date: 13 NOV 2018 19:58:06

Highest Channel



Date: 13 NOV 2018 19:42:06

Highest Channel

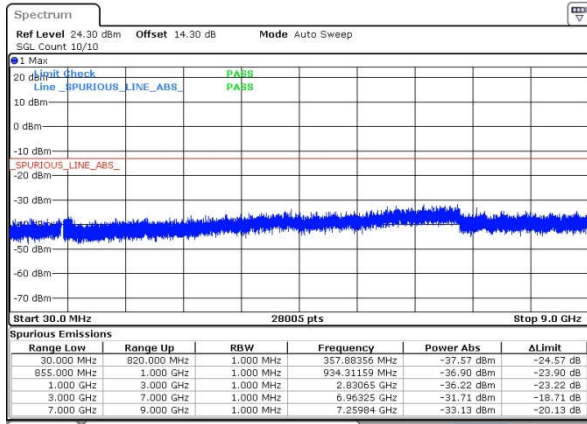


Date: 13 NOV 2018 19:57:28



WCDMA Band V (RMC 12.2Kbps)

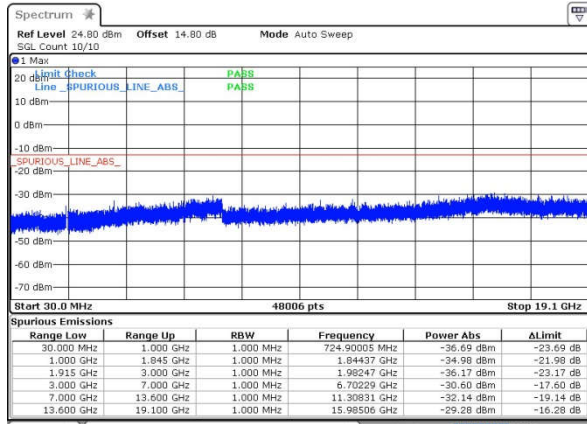
Lowest Channel



Date: 13 NOV 2016 20:50:08

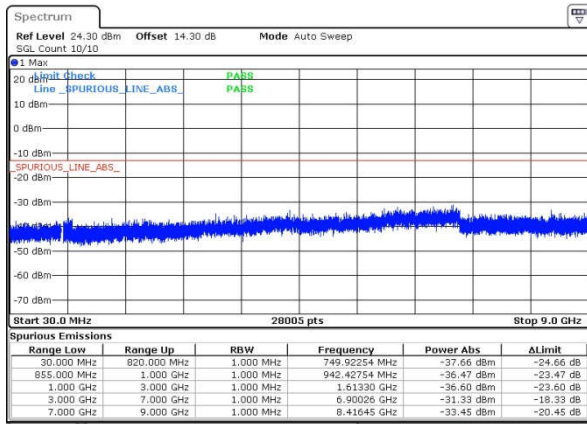
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



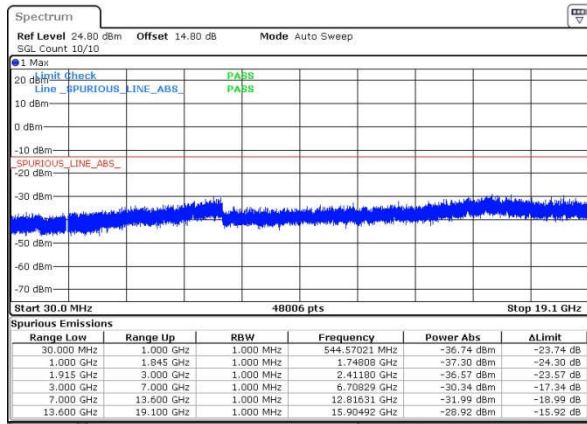
Date: 13 NOV 2016 20:16:10

Middle Channel



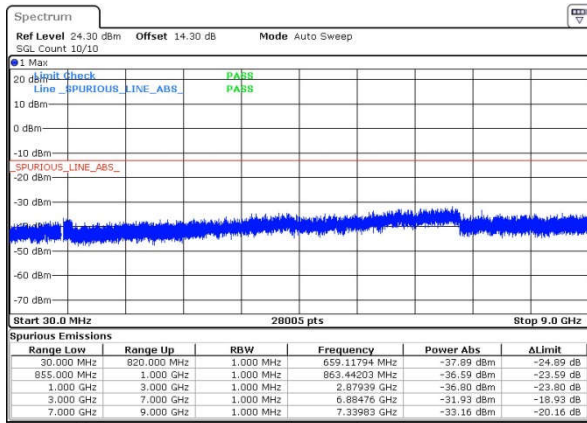
Date: 13 NOV 2016 20:51:27

Middle Channel



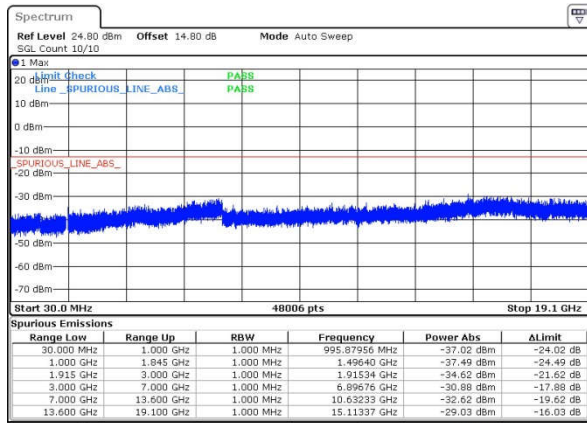
Date: 13 NOV 2016 20:17:32

Highest Channel

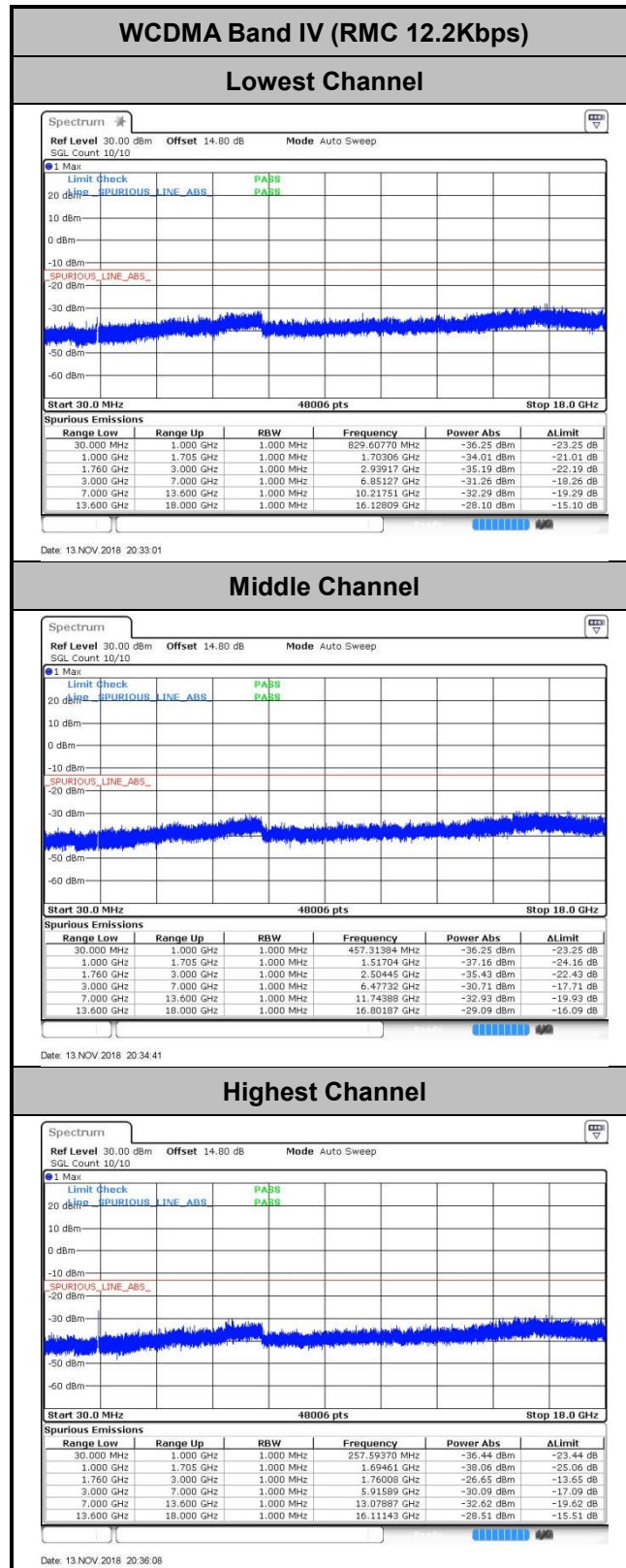


Date: 13 NOV 2016 20:52:51

Highest Channel



Date: 13 NOV 2016 20:18:56





Frequency Stability

| Test Conditions | Middle Channel | GSM850 (GSM) | GSM850 (EDGE class 8) | Limit 2.5ppm |
|------------------|-------------------|-----------------|-----------------------|--------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | | Result |
| 50 | Normal Voltage | 0.0036 | 0.0155 | PASS |
| 40 | Normal Voltage | 0.0407 | 0.0072 | |
| 30 | Normal Voltage | 0.0012 | 0.0299 | |
| 20(Ref.) | Normal Voltage | 0.0000 | 0.0000 | |
| 10 | Normal Voltage | 0.0371 | 0.0096 | |
| 0 | Normal Voltage | 0.0227 | 0.0335 | |
| -10 | Normal Voltage | 0.0215 | 0.0227 | |
| -20 | Normal Voltage | 0.0012 | 0.0072 | |
| -30 | Normal Voltage | 0.0024 | 0.0239 | |
| 20 | Maximum Voltage | 0.0036 | 0.0143 | |
| 20 | Normal Voltage | 0.0000 | 0.0000 | |
| 20 | Battery End Point | 0.0191 | 0.0120 | |

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



| Test Conditions | Middle Channel | GSM1900 (GSM) | GSM1900 (EDGE class 8) | Limit Note 2. |
|------------------|-------------------|-----------------|------------------------|---------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | | Result |
| 50 | Normal Voltage | 0.0160 | 0.0064 | PASS |
| 40 | Normal Voltage | 0.0011 | 0.0176 | |
| 30 | Normal Voltage | 0.0048 | 0.0122 | |
| 20(Ref.) | Normal Voltage | 0.0000 | 0.0000 | |
| 10 | Normal Voltage | 0.0176 | 0.0144 | |
| 0 | Normal Voltage | 0.0138 | 0.0154 | |
| -10 | Normal Voltage | 0.0011 | 0.0165 | |
| -20 | Normal Voltage | 0.0133 | 0.0101 | |
| -30 | Normal Voltage | 0.0016 | 0.0186 | |
| 20 | Maximum Voltage | 0.0160 | 0.0106 | |
| 20 | Normal Voltage | 0.0000 | 0.0000 | |
| 20 | Battery End Point | 0.0037 | 0.0016 | |

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) =3.65V. ; Maximum Voltage =4.4 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions | Middle Channel | WCDMA Band V (RMC 12.2Kbps) | Limit 2.5ppm |
|------------------|-------------------|--------------------------------|-----------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0155 | PASS |
| 40 | Normal Voltage | 0.0418 | |
| 30 | Normal Voltage | 0.0395 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0179 | |
| 0 | Normal Voltage | 0.0359 | |
| -10 | Normal Voltage | 0.0012 | |
| -20 | Normal Voltage | 0.0203 | |
| -30 | Normal Voltage | 0.0311 | |
| 20 | Maximum Voltage | 0.0514 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0048 | |

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



| Test Conditions | Middle Channel | WCDMA Band II (RMC 12.2Kbps) | Limit Note 2. |
|------------------|-------------------|------------------------------|---------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0112 | PASS |
| 40 | Normal Voltage | 0.0101 | |
| 30 | Normal Voltage | 0.0021 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0005 | |
| 0 | Normal Voltage | 0.0016 | |
| -10 | Normal Voltage | 0.0080 | |
| -20 | Normal Voltage | 0.0032 | |
| -30 | Normal Voltage | 0.0000 | |
| 20 | Maximum Voltage | 0.0021 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0096 | |

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) =3.65V. ; Maximum Voltage =4.4V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions | Middle Channel | WCDMA Band IV (RMC 12.2Kbps) | Limit Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0144 | PASS |
| 40 | Normal Voltage | 0.0133 | |
| 30 | Normal Voltage | 0.0012 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0110 | |
| 0 | Normal Voltage | 0.0075 | |
| -10 | Normal Voltage | 0.0040 | |
| -20 | Normal Voltage | 0.0006 | |
| -30 | Normal Voltage | 0.0069 | |
| 20 | Maximum Voltage | 0.0069 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0023 | |

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) =3.65V. ; Maximum Voltage =4.4V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Conducted Test

Radiated Spurious Emission

| GSM850 (GSM) | | | | | | | | |
|--------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1672 | -52.91 | -13 | -39.91 | -54.12 | 2.32 | 5.68 | H |
| | 2510 | -49.45 | -13 | -36.45 | -50.08 | 3.02 | 5.80 | H |
| | 3345 | -68.49 | -13 | -55.49 | -70.95 | 3.27 | 7.88 | H |
| | 1672 | -50.97 | -13 | -37.97 | -52.18 | 2.32 | 5.68 | V |
| | 2510 | -51.19 | -13 | -38.19 | -51.82 | 3.02 | 5.80 | V |
| | 3345 | -68.54 | -13 | -55.54 | -71.00 | 3.27 | 7.88 | V |

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

| GSM850 (EDGE class 8) | | | | | | | | |
|-----------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1672 | -66.33 | -13 | -53.33 | -67.54 | 2.32 | 5.68 | H |
| | 2510 | -70.35 | -13 | -57.35 | -70.98 | 3.02 | 5.80 | H |
| | 3348 | -68.94 | -13 | -55.94 | -71.40 | 3.27 | 7.88 | H |
| | 1672 | -62.62 | -13 | -49.62 | -63.83 | 2.32 | 5.68 | V |
| | 2510 | -64.14 | -13 | -51.14 | -64.77 | 3.02 | 5.80 | V |
| | 3348 | -68.88 | -13 | -55.88 | -71.34 | 3.27 | 7.88 | V |

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



| GSM1900 (GSM) | | | | | | | | |
|---------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3759 | -60.26 | -13 | -47.26 | -65.13 | 3.55 | 8.42 | H |
| | 5640 | -59.48 | -13 | -46.48 | -65.82 | 4.34 | 10.68 | H |
| | 7521 | -54.67 | -13 | -41.67 | -61.47 | 5.14 | 11.94 | H |
| | 3759 | -60.42 | -13 | -47.42 | -65.29 | 3.55 | 8.42 | V |
| | 5640 | -59.20 | -13 | -46.20 | -65.54 | 4.34 | 10.68 | V |
| | 7521 | -54.31 | -13 | -41.31 | -61.11 | 5.14 | 11.94 | V |

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

| GSM1900 (EDGE class 8) | | | | | | | | |
|------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3759 | -62.71 | -13 | -49.71 | -67.58 | 3.55 | 8.42 | H |
| | 5640 | -59.96 | -13 | -46.96 | -66.30 | 4.34 | 10.68 | H |
| | 7521 | -54.91 | -13 | -41.91 | -61.71 | 5.14 | 11.94 | H |
| | 3759 | -62.56 | -13 | -49.56 | -67.43 | 3.55 | 8.42 | V |
| | 5640 | -59.99 | -13 | -46.99 | -66.33 | 4.34 | 10.68 | V |
| | 7521 | -54.41 | -13 | -41.41 | -61.21 | 5.14 | 11.94 | V |

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



| WCDMA Band V(RMC 12.2Kbps) | | | | | | | | |
|----------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1672 | -71.71 | -13 | -58.71 | -72.92 | 2.32 | 5.68 | H |
| | 2510 | -70.11 | -13 | -57.11 | -70.74 | 3.02 | 5.80 | H |
| | 3342 | -64.01 | -13 | -51.01 | -66.47 | 3.27 | 7.88 | H |
| | 1672 | -71.44 | -13 | -56.29 | -72.65 | 2.32 | 5.68 | V |
| | 2510 | -70.29 | -13 | -57.29 | -70.92 | 3.02 | 5.80 | V |
| | 3342 | -67.22 | -13 | -54.22 | -69.68 | 3.27 | 7.88 | V |

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

| WCDMA Band II(RMC 12.2Kbps) | | | | | | | | |
|-----------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3759 | -62.70 | -13 | -49.70 | -67.57 | 3.55 | 8.42 | H |
| | 5640 | -60.21 | -13 | -47.21 | -66.55 | 4.34 | 10.68 | H |
| | 7521 | -54.91 | -13 | -41.91 | -61.71 | 5.14 | 11.94 | H |
| | 3759 | -62.94 | -13 | -49.94 | -67.81 | 3.55 | 8.42 | V |
| | 5640 | -60.35 | -13 | -47.35 | -66.69 | 4.34 | 10.68 | V |
| | 7521 | -54.34 | -13 | -41.34 | -61.14 | 5.14 | 11.94 | V |

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

| WCDMA Band IV(RMC 12.2Kbps) | | | | | | | | |
|-----------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3465 | -64.15 | -13 | -51.15 | -68.87 | 3.41 | 8.13 | H |
| | 5199 | -60.55 | -13 | -47.55 | -66.56 | 4.195 | 10.20 | H |
| | 6930 | -56.77 | -13 | -43.77 | -63.22 | 4.91 | 11.36 | H |
| | 3465 | -64.38 | -13 | -51.38 | -69.10 | 3.413 | 8.13 | V |
| | 5199 | -60.84 | -13 | -47.84 | -66.85 | 4.195 | 10.20 | V |
| | 6930 | -56.68 | -13 | -43.68 | -63.13 | 4.911 | 11.36 | V |

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