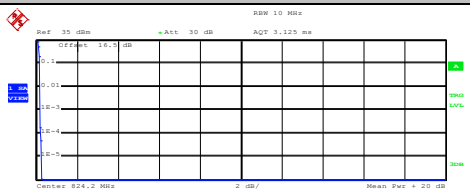
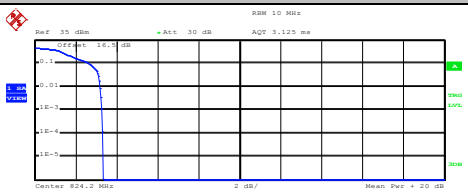
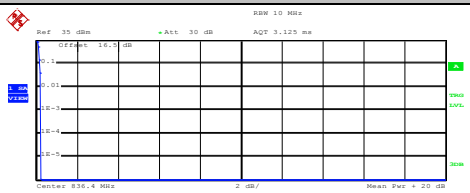
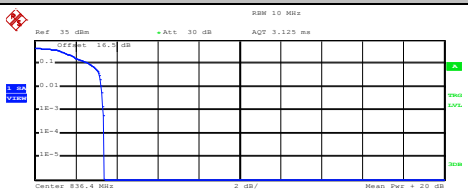
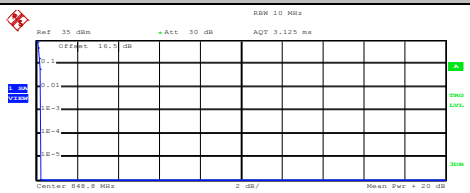
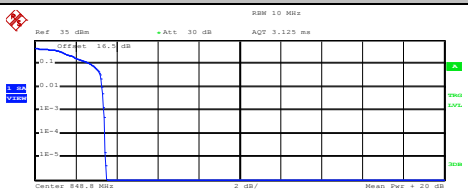
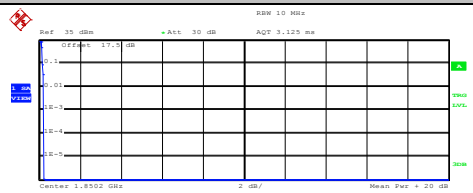
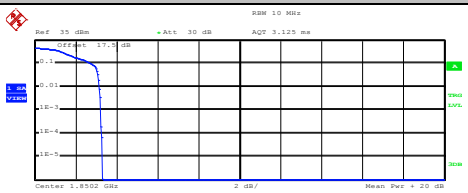
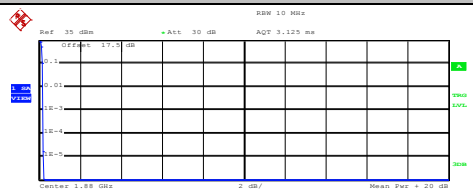
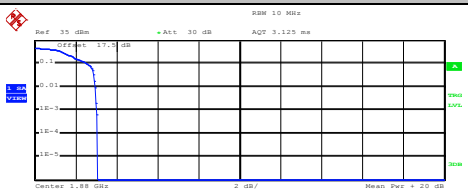
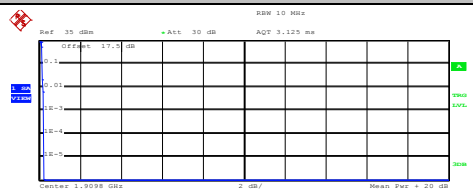
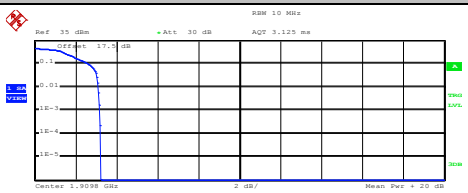
# A1. GSM

## Peak-to-Average Ratio

| Mode | GSM850 | | Limit: 13dB |
|---|---|---|---|
| Mod. | GPRS class 8 | EDGE class 8 | Result |
| Lowest CH | 0.20 | 3.28 | PASS |
| Middle CH | 0.24 | 3.36 | |
| Highest CH | 0.24 | 3.36 | |

| Mode | GSM1900 | | Limit: 13dB |
|---|---|---|---|
| Mod. | GPRS class 8 | EDGE class 8 | Result |
| Lowest CH | 0.24 | 3.24 | PASS |
| Middle CH | 0.20 | 3.04 | |
| Highest CH | 0.24 | 3.16 | |

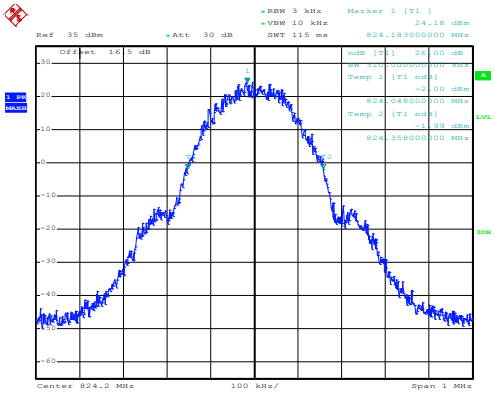
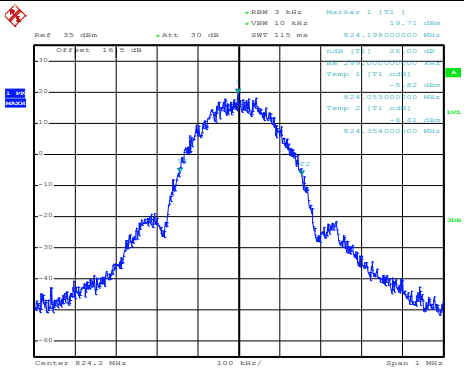
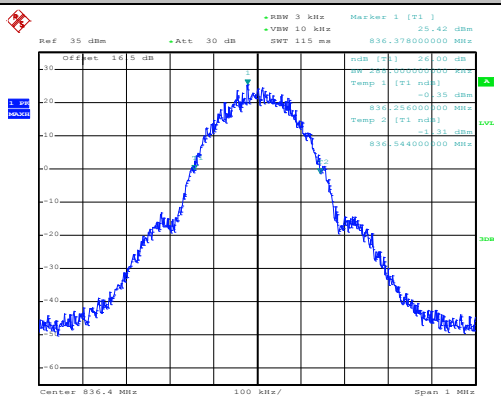
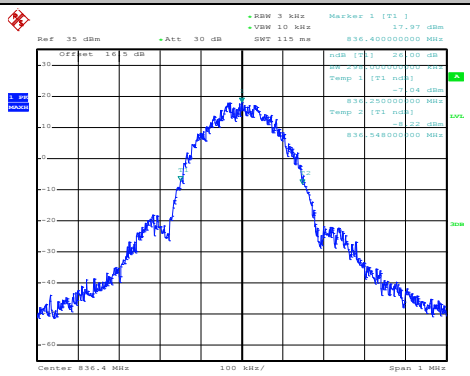
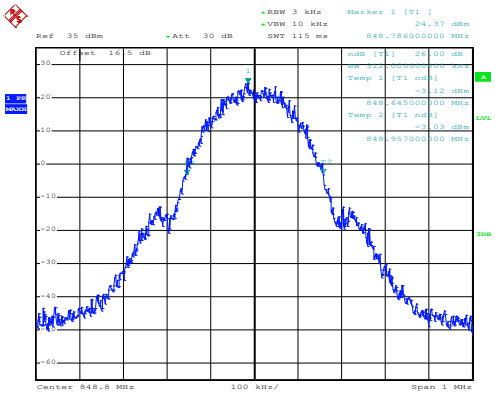
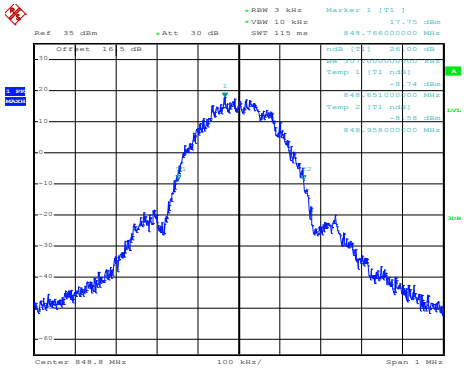
| GSM850 (GPRS class 8) | GSM850 (EDGE class 8) |
|---|---|
| **Lowest Channel** | **Lowest Channel** |
|  |  |
| Complementary Cumulative Distribution Function (100000 samples)<br>Trace 1<br>Mean 32.10 dBm<br>Peak 32.36 dBm<br>Crest 0.25 dB<br>10 % 0.20 dB<br>1 % 0.20 dB<br>.1 % 0.20 dB<br>.01 % 0.24 dB | Complementary Cumulative Distribution Function (100000 samples)<br>Trace 1<br>Mean 26.36 dBm<br>Peak 29.68 dBm<br>Crest 3.32 dB<br>10 % 2.68 dB<br>1 % 3.20 dB<br>.1 % 3.28 dB<br>.01 % 3.32 dB |
| Date: 22.MAR.2016 10:04:12 | Date: 22.MAR.2016 10:29:29 |
| **Middle Channel** | **Middle Channel** |
|  |  |
| Complementary Cumulative Distribution Function (100000 samples)<br>Trace 1<br>Mean 31.77 dBm<br>Peak 32.01 dBm<br>Crest 0.24 dB<br>10 % 0.16 dB<br>1 % 0.24 dB<br>.1 % 0.24 dB<br>.01 % 0.24 dB | Complementary Cumulative Distribution Function (100000 samples)<br>Trace 1<br>Mean 25.94 dBm<br>Peak 29.33 dBm<br>Crest 3.38 dB<br>10 % 2.68 dB<br>1 % 3.24 dB<br>.1 % 3.36 dB<br>.01 % 3.40 dB |
| Date: 22.MAR.2016 10:04:37 | Date: 22.MAR.2016 10:29:46 |
| **Highest Channel** | **Highest Channel** |
|  |  |
| Complementary Cumulative Distribution Function (100000 samples)<br>Trace 1<br>Mean 31.64 dBm<br>Peak 31.86 dBm<br>Crest 0.22 dB<br>10 % 0.20 dB<br>1 % 0.24 dB<br>.1 % 0.24 dB<br>.01 % 0.24 dB | Complementary Cumulative Distribution Function (100000 samples)<br>Trace 1<br>Mean 25.77 dBm<br>Peak 29.25 dBm<br>Crest 3.49 dB<br>10 % 2.72 dB<br>1 % 3.28 dB<br>.1 % 3.36 dB<br>.01 % 3.44 dB |
| Date: 22.MAR.2016 10:04:54 | Date: 22.MAR.2016 10:30:10 |

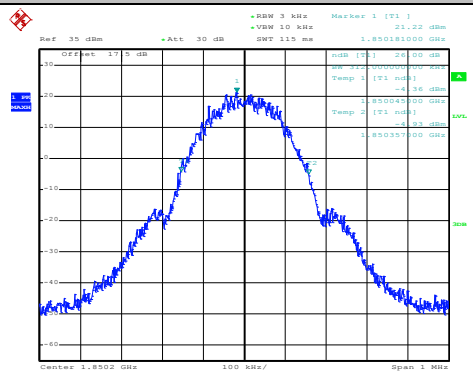
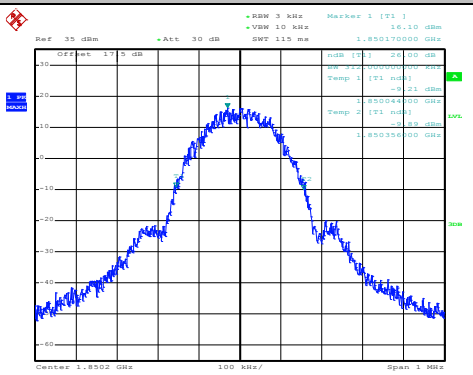
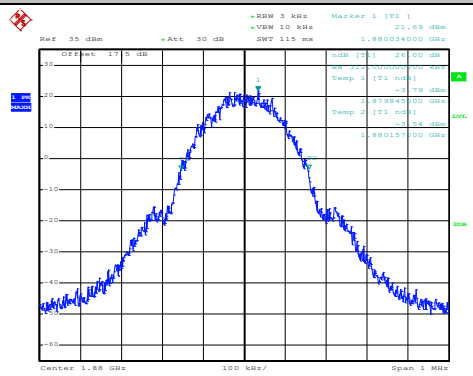
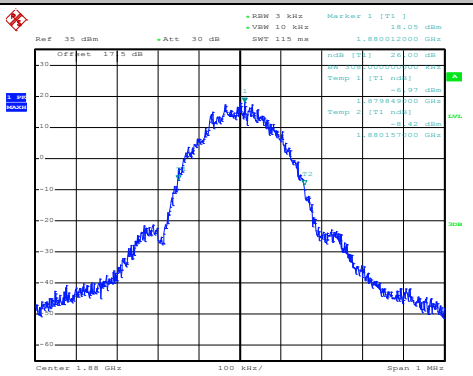
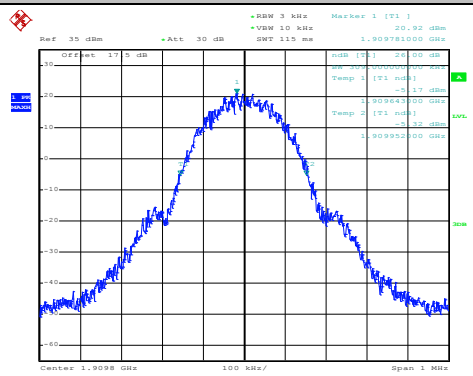
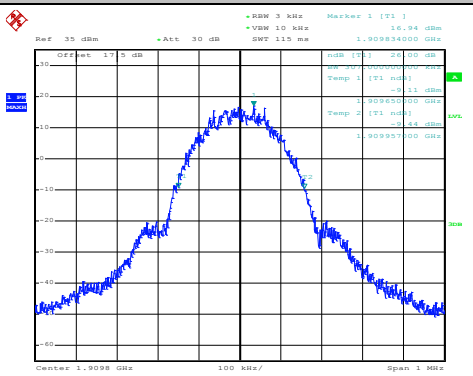
| GSM1900 (GPRS class 8) | GSM1900 (EDGE class 8) |
|---|---|
| **Lowest Channel** | **Lowest Channel** |
|  |  |
| Complementary Cumulative Distribution Function (100000 samples)<br>Trace 1<br>Mean 28.61 dBm<br>Peak 28.83 dBm<br>Crest 0.22 dB<br>10 % 0.16 dB<br>1 % 0.24 dB<br>.1 % 0.24 dB<br>.01 % 0.24 dB | Complementary Cumulative Distribution Function (100000 samples)<br>Trace 1<br>Mean 24.48 dBm<br>Peak 27.77 dBm<br>Crest 3.30 dB<br>10 % 2.76 dB<br>1 % 3.16 dB<br>.1 % 3.24 dB<br>.01 % 3.28 dB |
| Date: 22.MAR.2016 10:56:47 | Date: 22.MAR.2016 11:24:02 |
| **Middle Channel** | **Middle Channel** |
|  |  |
| Complementary Cumulative Distribution Function (100000 samples)<br>Trace 1<br>Mean 29.09 dBm<br>Peak 29.33 dBm<br>Crest 0.24 dB<br>10 % 0.16 dB<br>1 % 0.20 dB<br>.1 % 0.20 dB<br>.01 % 0.20 dB | Complementary Cumulative Distribution Function (100000 samples)<br>Trace 1<br>Mean 25.00 dBm<br>Peak 28.06 dBm<br>Crest 3.05 dB<br>10 % 2.56 dB<br>1 % 2.96 dB<br>.1 % 3.04 dB<br>.01 % 3.08 dB |
| Date: 22.MAR.2016 10:57:03 | Date: 22.MAR.2016 11:24:20 |
| **Highest Channel** | **Highest Channel** |
|  |  |
| Complementary Cumulative Distribution Function (100000 samples)<br>Trace 1<br>Mean 28.81 dBm<br>Peak 29.04 dBm<br>Crest 0.23 dB<br>10 % 0.16 dB<br>1 % 0.20 dB<br>.1 % 0.24 dB<br>.01 % 0.24 dB | Complementary Cumulative Distribution Function (100000 samples)<br>Trace 1<br>Mean 24.64 dBm<br>Peak 27.84 dBm<br>Crest 3.20 dB<br>10 % 2.64 dB<br>1 % 3.12 dB<br>.1 % 3.16 dB<br>.01 % 3.24 dB |
| Date: 22.MAR.2016 10:57:43 | Date: 22.MAR.2016 11:24:44 |

# 26dB Bandwidth

| Mode | GSM850 | |
|---|---|---|
| Mod. | GPRS class 8 | EDGE class 8 |
| Lowest CH | 0.310 | 0.299 |
| Middle CH | 0.288 | 0.298 |
| Highest CH | 0.312 | 0.307 |

| Mode | GSM1900 | |
|---|---|---|
| Mod. | GPRS class 8 | EDGE class 8 |
| Lowest CH | 0.312 | 0.312 |
| Middle CH | 0.312 | 0.308 |
| Highest CH | 0.309 | 0.307 |

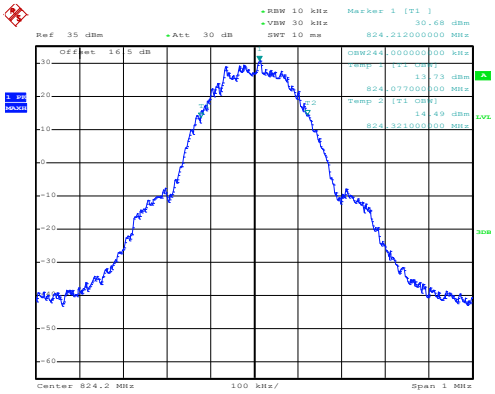
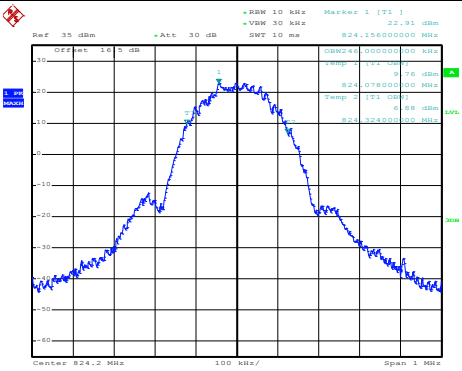
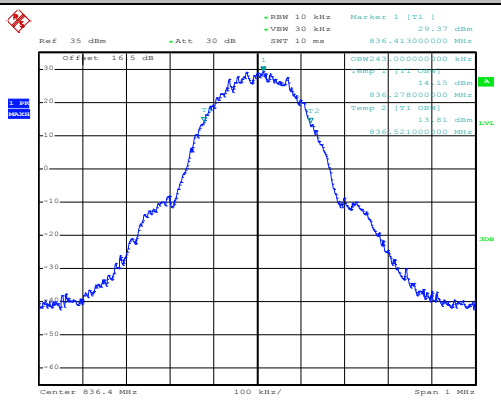
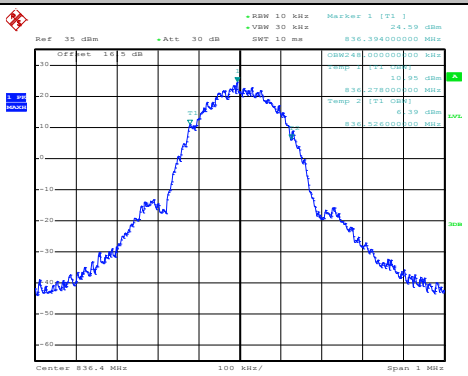
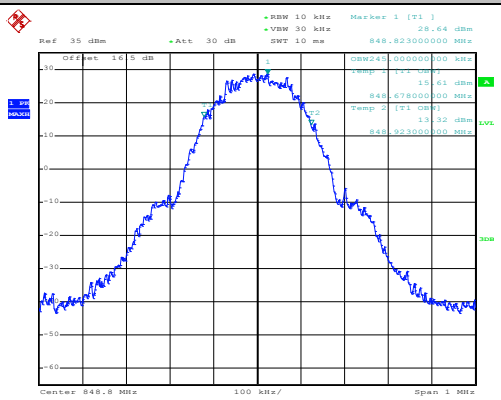
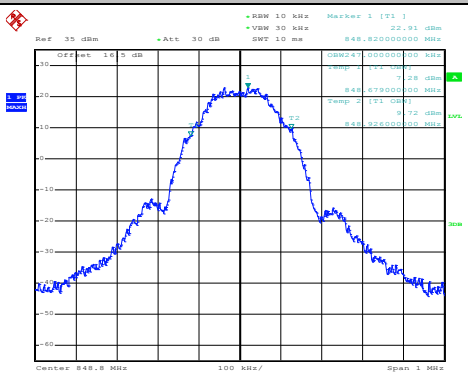
| GSM850 (GPRS class 8) | GSM850 (EDGE class 8) |
|---|---|
| **Lowest Channel** | **Lowest Channel** |
|  |  |
| Date: 22.MAR.2016 09:46:56 | Date: 22.MAR.2016 10:13:54 |
| **Middle Channel** | **Middle Channel** |
|  |  |
| Date: 22.MAR.2016 09:47:39 | Date: 22.MAR.2016 10:14:29 |
| **Highest Channel** | **Highest Channel** |
|  |  |
| Date: 22.MAR.2016 09:48:17 | Date: 22.MAR.2016 10:15:03 |

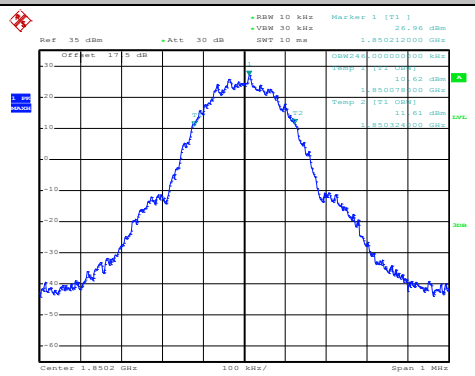
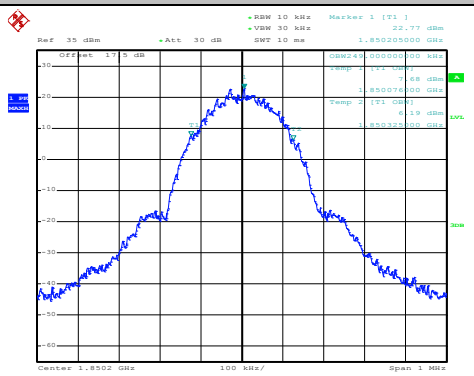
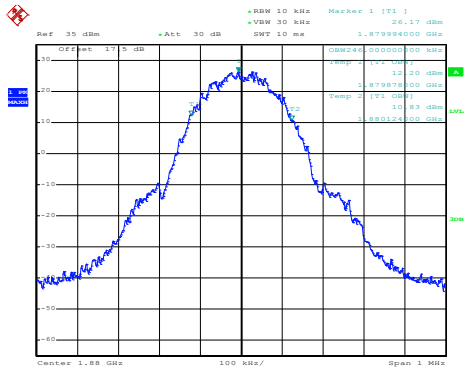
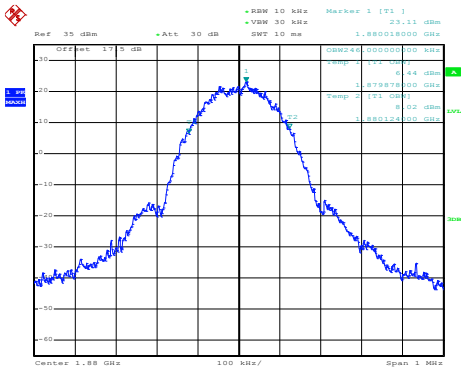
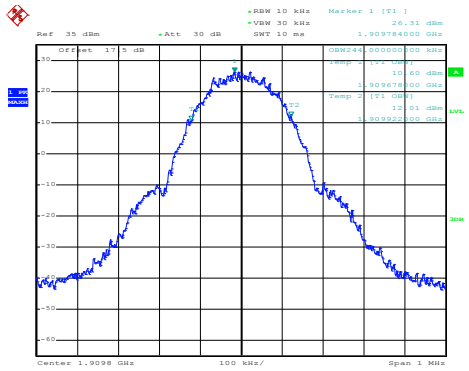
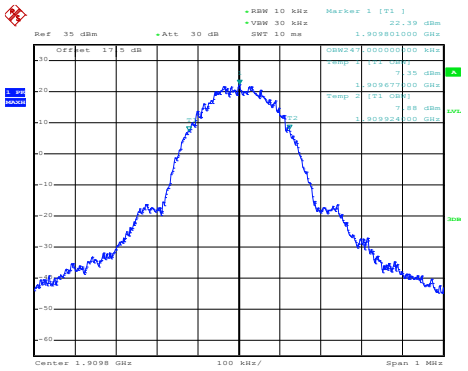
| GSM1900 (GPRS class 8) | GSM1900 (EDGE class 8) |
|---|---|
| **Lowest Channel** | **Lowest Channel** |
|  |  |
| Date: 22.MAR.2016 10:43:55 | Date: 22.MAR.2016 11:05:52 |
| **Middle Channel** | **Middle Channel** |
|  |  |
| Date: 22.MAR.2016 10:44:34 | Date: 22.MAR.2016 11:06:26 |
| **Highest Channel** | **Highest Channel** |
|  |  |
| Date: 22.MAR.2016 10:45:10 | Date: 22.MAR.2016 11:07:00 |

# Occupied Bandwidth

| Mode | GSM850 | |
|---|---|---|
| Mod. | GPRS class 8 | EDGE class 8 |
| Lowest CH | 0.244 | 0.246 |
| Middle CH | 0.243 | 0.248 |
| Highest CH | 0.245 | 0.247 |

| Mode | GSM1900 | |
|---|---|---|
| Mod. | GPRS class 8 | EDGE class 8 |
| Lowest CH | 0.246 | 0.249 |
| Middle CH | 0.246 | 0.246 |
| Highest CH | 0.244 | 0.247 |

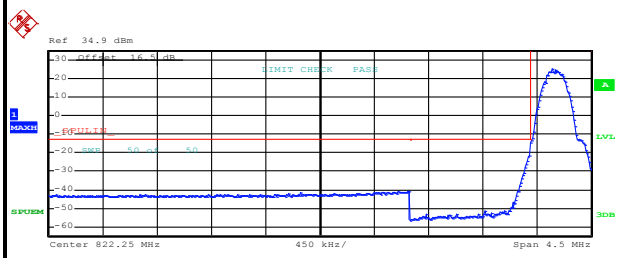
| GSM850 (GPRS class 8) | GSM850 (EDGE class 8) |
|---|---|
| **Lowest Channel** | **Lowest Channel** |
|  |  |
| Date: 22.MAR.2016 09:49:22 | Date: 22.MAR.2016 10:16:00 |
| **Middle Channel** | **Middle Channel** |
|  |  |
| Date: 22.MAR.2016 09:49:55 | Date: 22.MAR.2016 10:16:41 |
| **Highest Channel** | **Highest Channel** |
|  |  |
| Date: 22.MAR.2016 09:50:29 | Date: 22.MAR.2016 10:17:19 |

| GSM1900 (GPRS class 8) | GSM1900 (EDGE class 8) |
|---|---|
| **Lowest Channel** | **Lowest Channel** |
|  |  |
| Date: 22.MAR.2016 10:46:16 | Date: 22.MAR.2016 11:08:13 |
| **Middle Channel** | **Middle Channel** |
|  |  |
| Date: 22.MAR.2016 10:46:52 | Date: 22.MAR.2016 11:08:50 |
| **Highest Channel** | **Highest Channel** |
|  |  |
| Date: 22.MAR.2016 10:47:39 | Date: 22.MAR.2016 11:09:23 |

# Conducted Band Edge

## GSM850 (GPRS class 8)

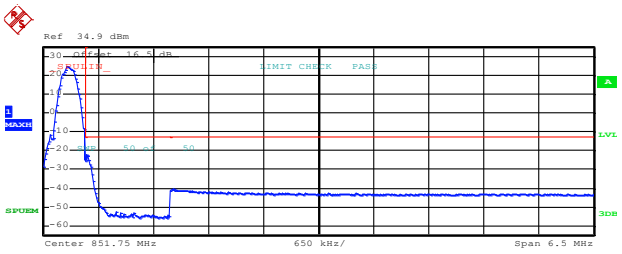
### Lowest Band Edge




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 820.000 M | 823.000 M | 100.00 k | 822.979000 M | -40.60 | -27.60 |
| 823.000 M | 824.000 M | 3.00 k | 823.984000 M | -21.72 | -8.72 |
| 824.000 M | 824.500 M | 10.00 k | 824.178000 M | 25.01 | -9.99 |

Date: 22.MAR.2016 09:53:47

### Highest Band Edge

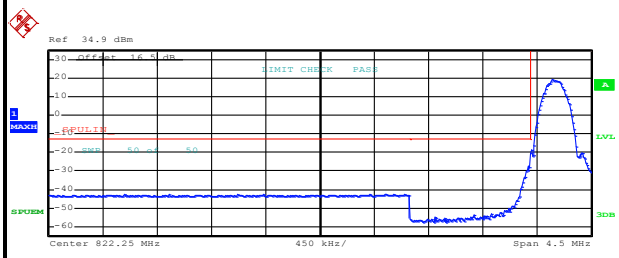



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 848.500 M | 849.000 M | 10.00 k | 848.777500 M | 24.55 | -10.45 |
| 849.000 M | 850.000 M | 3.00 k | 849.008000 M | -21.83 | -8.83 |
| 850.000 M | 855.000 M | 100.00 k | 850.035000 M | -40.49 | -27.49 |

Date: 22.MAR.2016 09:55:29

## GSM850 (EDGE class 8)

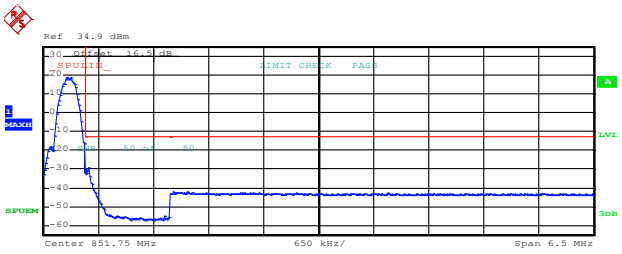
### Lowest Band Edge




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 820.000 M | 823.000 M | 100.00 k | 822.799000 M | -42.36 | -29.36 |
| 823.000 M | 824.000 M | 3.00 k | 823.972000 M | -27.61 | -14.61 |
| 824.000 M | 824.500 M | 10.00 k | 824.179500 M | 19.24 | -15.76 |

Date: 22.MAR.2016 10:19:40

### Highest Band Edge

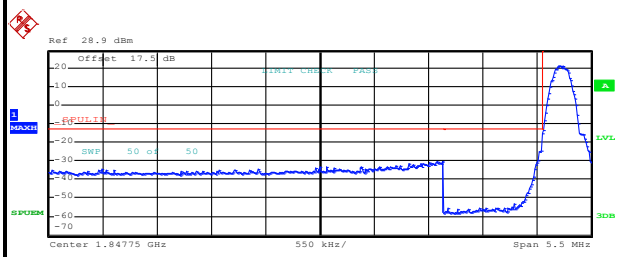



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 848.500 M | 849.000 M | 10.00 k | 848.822500 M | 19.01 | -15.99 |
| 849.000 M | 850.000 M | 3.00 k | 849.028000 M | -29.28 | -16.28 |
| 850.000 M | 855.000 M | 100.00 k | 850.195000 M | -42.09 | -29.09 |

Date: 22.MAR.2016 10:21:14

## GSM1900 (GPRS class 8)

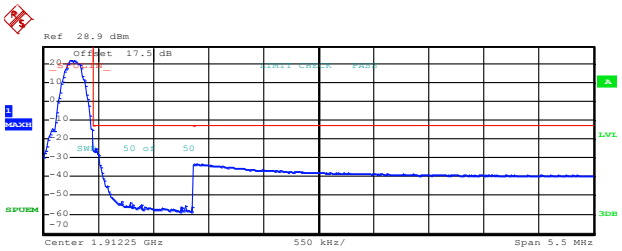
### Lowest Band Edge




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.845 G | 1.849 G | 1.00 M | 1.848932 G | -30.29 | -17.29 |
| 1.849 G | 1.850 G | 3.00 k | 1.849996 G | -24.65 | -11.65 |
| 1.850 G | 1.851 G | 10.00 k | 1.850181 G | 21.08 | -13.92 |

Date: 22.MAR.2016 10:51:33

### Highest Band Edge

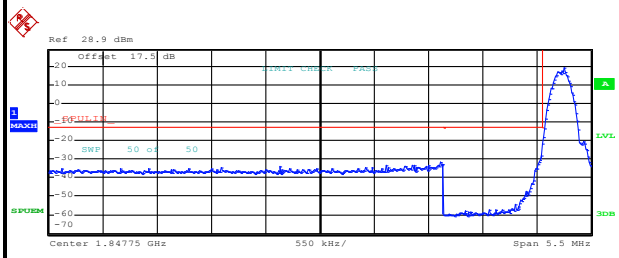



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.910 G | 1.910 G | 10.00 k | 1.909780 G | 21.83 | -13.17 |
| 1.910 G | 1.911 G | 3.00 k | 1.910012 G | -25.36 | -12.36 |
| 1.911 G | 1.915 G | 1.00 M | 1.911004 G | -33.51 | -20.51 |

Date: 22.MAR.2016 10:53:10

## GSM1900 (EDGE class 8)

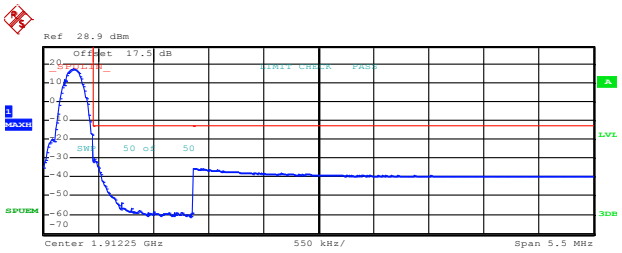
### Lowest Band Edge




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.845 G | 1.849 G | 1.00 M | 1.848972 G | -31.60 | -18.60 |
| 1.849 G | 1.850 G | 3.00 k | 1.849992 G | -30.10 | -17.10 |
| 1.850 G | 1.851 G | 10.00 k | 1.850226 G | 19.04 | -15.96 |

Date: 22.MAR.2016 11:11:11

### Highest Band Edge



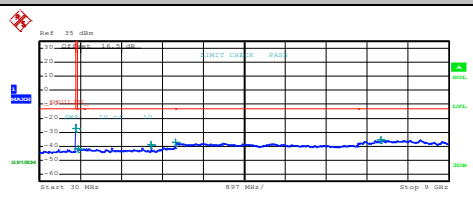

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.910 G | 1.910 G | 10.00 k | 1.909795 G | 17.22 | -17.78 |
| 1.910 G | 1.911 G | 3.00 k | 1.910004 G | -30.71 | -17.71 |
| 1.911 G | 1.915 G | 1.00 M | 1.911064 G | -35.75 | -22.75 |

Date: 22.MAR.2016 11:12:47

# Conducted Spurious Emission

## GSM850 (GPRS class 8)

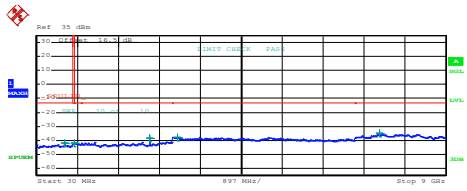
### Lowest Channel



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 820.000 M | 1.00 M | 819.802500 M | -27.01 | -14.01 |
| 855.000 M | 1.000 G | 1.00 M | 868.992501 M | -41.92 | -28.92 |
| 1.000 G | 3.000 G | 1.00 M | 2.472500 G | -38.97 | -25.97 |
| 3.000 G | 7.000 G | 1.00 M | 3.009000 G | -37.43 | -24.43 |
| 7.000 G | 9.000 G | 1.00 M | 7.504000 G | -35.39 | -22.39 |

Date: 22.MAR.2016 10:01:31

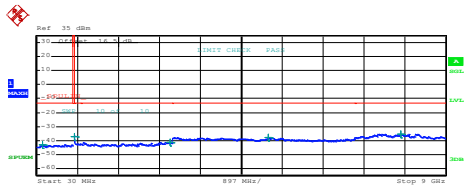
### Middle Channel



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 820.000 M | 1.00 M | 647.977500 M | -42.08 | -29.08 |
| 855.000 M | 1.000 G | 1.00 M | 858.190000 M | -42.02 | -29.02 |
| 1.000 G | 3.000 G | 1.00 M | 2.509500 G | -38.68 | -25.68 |
| 3.000 G | 7.000 G | 1.00 M | 3.112000 G | -37.90 | -24.90 |
| 7.000 G | 9.000 G | 1.00 M | 7.543000 G | -35.02 | -22.02 |

Date: 22.MAR.2016 10:02:23

### Highest Channel

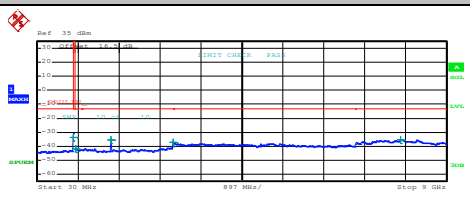


| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 820.000 M | 1.00 M | 151.067500 M | -42.83 | -29.83 |
| 855.000 M | 1.000 G | 1.00 M | 855.036250 M | -36.96 | -23.96 |
| 1.000 G | 3.000 G | 1.00 M | 2.949500 G | -41.08 | -28.08 |
| 3.000 G | 7.000 G | 1.00 M | 5.114000 G | -37.79 | -24.79 |
| 7.000 G | 9.000 G | 1.00 M | 8.011500 G | -35.22 | -22.22 |

Date: 22.MAR.2016 10:03:16

## GSM850 (EDGE class 8)

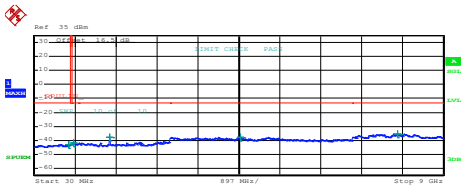
### Lowest Channel



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 820.000 M | 1.00 M | 819.802500 M | -33.63 | -20.63 |
| 855.000 M | 1.000 G | 1.00 M | 869.246251 M | -42.04 | -29.04 |
| 1.000 G | 3.000 G | 1.00 M | 1.648500 G | -35.42 | -22.42 |
| 3.000 G | 7.000 G | 1.00 M | 3.015000 G | -37.40 | -24.40 |
| 7.000 G | 9.000 G | 1.00 M | 8.004000 G | -35.24 | -22.24 |

Date: 22.MAR.2016 10:27:14

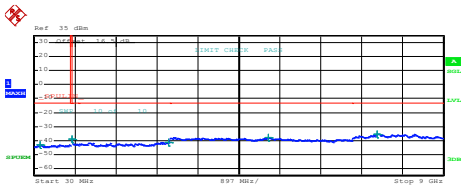
### Middle Channel



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 820.000 M | 1.00 M | 790.867500 M | -42.84 | -29.84 |
| 855.000 M | 1.000 G | 1.00 M | 892.808753 M | -41.79 | -28.79 |
| 1.000 G | 3.000 G | 1.00 M | 1.673500 G | -37.60 | -24.60 |
| 3.000 G | 7.000 G | 1.00 M | 4.554000 G | -37.55 | -24.55 |
| 7.000 G | 9.000 G | 1.00 M | 7.986500 G | -35.50 | -22.50 |

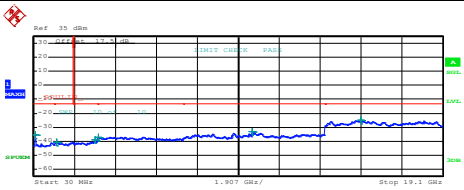
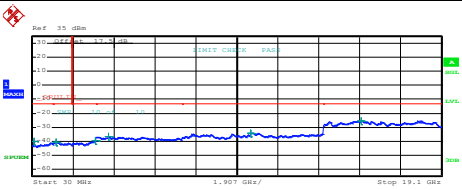
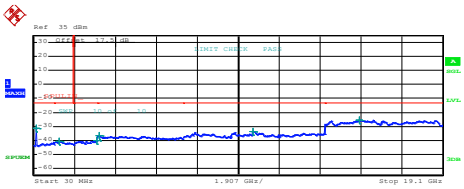
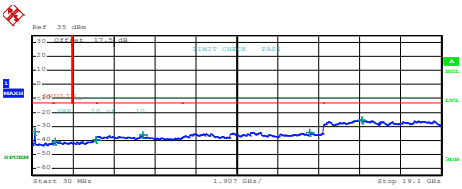
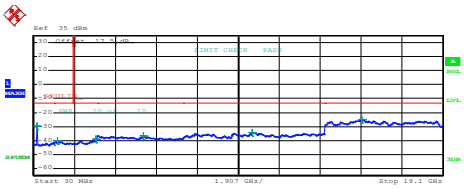
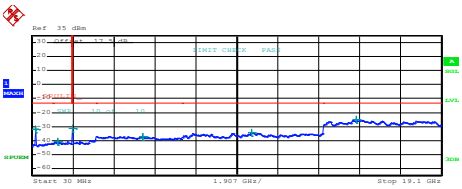
Date: 22.MAR.2016 10:28:06

### Highest Channel



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 820.000 M | 1.00 M | 163.115000 M | -42.97 | -29.97 |
| 855.000 M | 1.000 G | 1.00 M | 855.036250 M | -39.19 | -26.19 |
| 1.000 G | 3.000 G | 1.00 M | 2.967000 G | -41.18 | -28.18 |
| 3.000 G | 7.000 G | 1.00 M | 5.168000 G | -37.67 | -24.67 |
| 7.000 G | 9.000 G | 1.00 M | 7.550000 G | -35.46 | -22.46 |

Date: 22.MAR.2016 10:28:58

| GSM1900 (GPRS class 8) | GSM1900 (EDGE class 8) |
|---|---|
| **Lowest Channel** | **Lowest Channel** |
|  |  |
| Start / Stop / RBW / Freq / PwrAbs / ΔLimit<br>30.000 M / 1.000 G / 1.00 M / 112.207500 M / -55.36 / -22.36<br>1.000 G / 1.845 G / 1.00 M / 1.100555 G / -40.74 / -27.74<br>1.915 G / 3.000 G / 1.00 M / 2.903706 G / -39.11 / -26.11<br>3.000 G / 7.000 G / 1.00 M / 3.059000 G / -37.04 / -24.04<br>7.000 G / 13.600 G / 1.00 M / 10.224925 G / -33.32 / -20.32<br>13.600 G / 19.100 G / 1.00 M / 15.294000 G / -24.82 / -11.82 | Start / Stop / RBW / Freq / PwrAbs / ΔLimit<br>30.000 M / 1.000 G / 1.00 M / 112.207500 M / -40.42 / -27.42<br>1.000 G / 1.845 G / 1.00 M / 1.118511 G / -40.77 / -27.77<br>1.915 G / 3.000 G / 1.00 M / 2.980741 G / -39.60 / -26.60<br>3.000 G / 7.000 G / 1.00 M / 3.594000 G / -36.78 / -23.78<br>7.000 G / 13.600 G / 1.00 M / 10.213375 G / -34.01 / -21.01<br>13.600 G / 19.100 G / 1.00 M / 15.366875 G / -25.57 / -12.57 |
| Date: 22.MAR.2016 10:54:31 | Date: 22.MAR.2016 11:16:21 |
| **Middle Channel** | **Middle Channel** |
|  |  |
| Start / Stop / RBW / Freq / PwrAbs / ΔLimit<br>30.000 M / 1.000 G / 1.00 M / 141.792500 M / -31.18 / -18.18<br>1.000 G / 1.845 G / 1.00 M / 1.228573 G / -40.91 / -27.91<br>1.915 G / 3.000 G / 1.00 M / 2.971519 G / -39.97 / -26.97<br>3.000 G / 7.000 G / 1.00 M / 3.086000 G / -36.92 / -23.92<br>7.000 G / 13.600 G / 1.00 M / 10.234000 G / -33.82 / -20.82<br>13.600 G / 19.100 G / 1.00 M / 15.228687 G / -25.34 / -12.34 | Start / Stop / RBW / Freq / PwrAbs / ΔLimit<br>30.000 M / 1.000 G / 1.00 M / 141.792500 M / -33.74 / -20.74<br>1.000 G / 1.845 G / 1.00 M / 1.110695 G / -40.79 / -27.79<br>1.915 G / 3.000 G / 1.00 M / 2.989150 G / -39.37 / -26.37<br>3.000 G / 7.000 G / 1.00 M / 5.177000 G / -36.33 / -23.33<br>7.000 G / 13.600 G / 1.00 M / 12.963925 G / -34.22 / -21.22<br>13.600 G / 19.100 G / 1.00 M / 15.398500 G / -25.68 / -12.68 |
| Date: 22.MAR.2016 10:55:23 | Date: 22.MAR.2016 11:17:42 |
| **Highest Channel** | **Highest Channel** |
|  |  |
| Start / Stop / RBW / Freq / PwrAbs / ΔLimit<br>30.000 M / 1.000 G / 1.00 M / 171.620000 M / -29.69 / -16.69<br>1.000 G / 1.845 G / 1.00 M / 1.125694 G / -40.21 / -27.21<br>1.915 G / 3.000 G / 1.00 M / 2.915641 G / -39.17 / -26.17<br>3.000 G / 7.000 G / 1.00 M / 5.131000 G / -36.66 / -23.66<br>7.000 G / 13.600 G / 1.00 M / 10.213375 G / -34.34 / -21.34<br>13.600 G / 19.100 G / 1.00 M / 15.316000 G / -24.89 / -11.89 | Start / Stop / RBW / Freq / PwrAbs / ΔLimit<br>30.000 M / 1.000 G / 1.00 M / 171.620000 M / -31.99 / -18.99<br>1.000 G / 1.845 G / 1.00 M / 1.221813 G / -40.90 / -27.90<br>1.915 G / 3.000 G / 1.00 M / 1.915271 G / -31.65 / -18.65<br>3.000 G / 7.000 G / 1.00 M / 5.173000 G / -36.97 / -23.97<br>7.000 G / 13.600 G / 1.00 M / 10.249675 G / -34.38 / -21.38<br>13.600 G / 19.100 G / 1.00 M / 15.148938 G / -24.87 / -11.87 |
| Date: 22.MAR.2016 10:56:17 | Date: 22.MAR.2016 11:19:00 |

# Frequency Stability

| Test Conditions | Middle Channel | GSM850 (GPRS class 8) | GSM850 (EDGE class 8) | Limit 2.5ppm |
|---|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | | Result |
| 50 | Normal Voltage | 0.0036 | 0.0060 | PASS |
| 40 | Normal Voltage | 0.0048 | 0.0024 | |
| 30 | Normal Voltage | 0.0012 | 0.0060 | |
| 20(Ref.) | Normal Voltage | 0.0000 | 0.0000 | |
| 10 | Normal Voltage | 0.0024 | 0.0048 | |
| 0 | Normal Voltage | 0.0012 | 0.0012 | |
| -10 | Normal Voltage | 0.0036 | 0.0024 | |
| -20 | Normal Voltage | 0.0072 | 0.0036 | |
| -30 | Normal Voltage | 0.0024 | 0.0072 | |
| 20 | Maximum Voltage | 0.0036 | 0.0012 | |
| 20 | Normal Voltage | 0.0012 | 0.0048 | |
| 20 | Battery End Point | 0.0024 | 0.0072 | |

**Note:**

1. Normal Voltage = 6.0V. ；Battery End Point (BEP) = 4.92 V.；Maximum Voltage =7.0 V
2. The frequency fundamental emissions stay within the authorized frequency block.

| Test Conditions | Middle Channel | GSM1900 (GPRS class 8) | GSM1900 (EDGE class 8) | Limit Note 2. |
|---|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | | Result |
| 50 | Normal Voltage | 0.0186 | 0.0021 | PASS |
| 40 | Normal Voltage | 0.0165 | 0.0016 | |
| 30 | Normal Voltage | 0.0154 | 0.0005 | |
| 20(Ref.) | Normal Voltage | 0.0000 | 0.0000 | |
| 10 | Normal Voltage | 0.0144 | 0.0037 | |
| 0 | Normal Voltage | 0.0149 | 0.0011 | |
| -10 | Normal Voltage | 0.0165 | 0.0027 | |
| -20 | Normal Voltage | 0.0176 | 0.0032 | |
| -30 | Normal Voltage | 0.0170 | 0.0043 | |
| 20 | Maximum Voltage | 0.0138 | 0.0032 | |
| 20 | Normal Voltage | 0.0144 | 0.0005 | |
| 20 | Battery End Point | 0.0165 | 0.0043 | |

**Note:**

1. Normal Voltage = 6.0V. ；Battery End Point (BEP) = 4.92 V.；Maximum Voltage =7.0 V
2. The frequency fundamental emissions stay within the authorized frequency block.