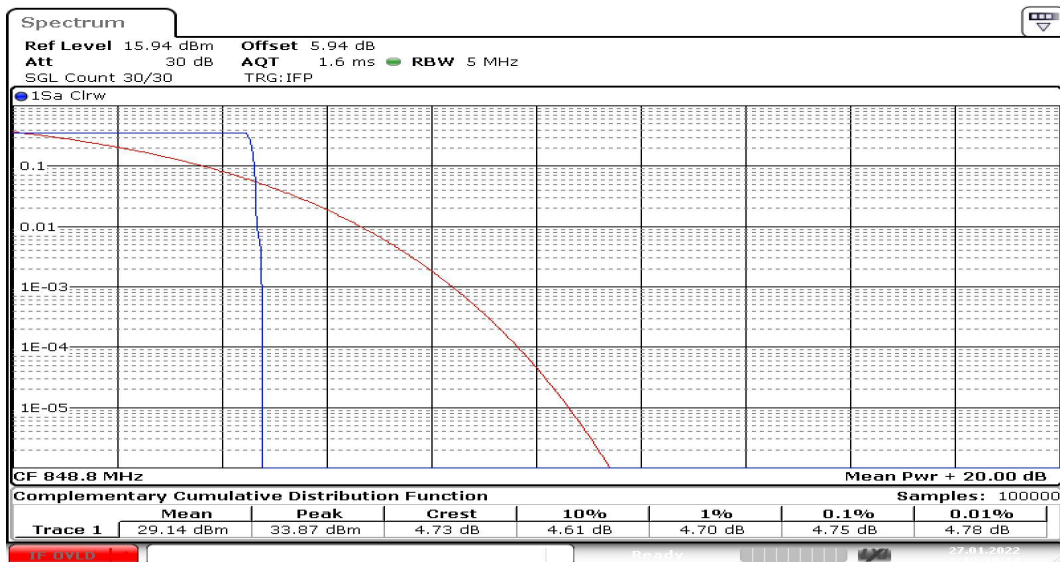


Date: 27.JAN.2022 12:29:19

Channel 189



Date: 27.JAN.2022 12:30:15

Channel 251

8. Effective Radiated Power and Effective Isotropic Radiated Power

GSM850

GSM Measured Power:

| Carrier frequency (MHz) | Channel No. | Conducted Power (dBm) | ERP/EIRP (dBm) | ERP/EIRP (W) |
|-------------------------|-------------|-----------------------|----------------|--------------|
| 824.2 | 128 | 31.77 | 28.72 | 0.745 |
| 836.4 | 189 | 31.43 | 28.38 | 0.689 |
| 848.8 | 251 | 31.87 | 28.82 | 0.762 |

GPRS Measured Power:

| Carrier frequency (MHz) | Channel No. | TX Mode | Conducted Power (dBm) | ERP/EIRP (dBm) | ERP/EIRP (W) |
|-------------------------|-------------|----------|-----------------------|----------------|--------------|
| 824.2 | 128 | 4Down1Up | 31.84 | 28.79 | 0.757 |
| 836.4 | 189 | | 31.38 | 28.33 | 0.681 |
| 848.8 | 251 | | 31.98 | 28.93 | 0.782 |
| 824.2 | 128 | 3Down2Up | 29.79 | 26.74 | 0.472 |
| 836.4 | 189 | | 29.12 | 26.07 | 0.405 |
| 848.8 | 251 | | 29.33 | 26.28 | 0.425 |
| 824.2 | 128 | 2Down3Up | 27.82 | 24.77 | 0.300 |
| 836.4 | 189 | | 27.04 | 23.99 | 0.251 |
| 848.8 | 251 | | 27.31 | 24.26 | 0.267 |
| 824.2 | 128 | 1Down4Up | 26.46 | 23.41 | 0.219 |
| 836.4 | 189 | | 25.70 | 22.65 | 0.184 |
| 848.8 | 251 | | 25.93 | 22.88 | 0.194 |

GSM1900 Result

1. RF Power Output

PCS1900

GSM Measured Power:

| Carrier frequency (MHz) | Channel No. | RF Power Output (dBm) |
|-------------------------|-------------|-----------------------|
| 1850.2 | 512 | 28.28 |
| 1880 | 661 | 28.34 |
| 1909.8 | 810 | 28.93 |

GPRS Measured Power:

| Carrier frequency (MHz) | Channel No. | TX Mode | RF Power Output (dBm) |
|-------------------------|-------------|----------|-----------------------|
| 1850.2 | 512 | 4Down1Up | 28.68 |
| 1880 | 661 | | 28.44 |
| 1909.8 | 810 | | 28.93 |
| 1850.2 | 512 | 3Down2Up | 26.06 |
| 1880 | 661 | | 25.92 |
| 1909.8 | 810 | | 26.60 |
| 1850.2 | 512 | 2Down3Up | 24.21 |
| 1880 | 661 | | 23.97 |
| 1909.8 | 810 | | 24.62 |
| 1850.2 | 512 | 1Down4Up | 22.83 |
| 1880 | 661 | | 22.80 |
| 1909.8 | 810 | | 23.30 |

2. Occupied Bandwidth

PCS1900

GSM MODE:

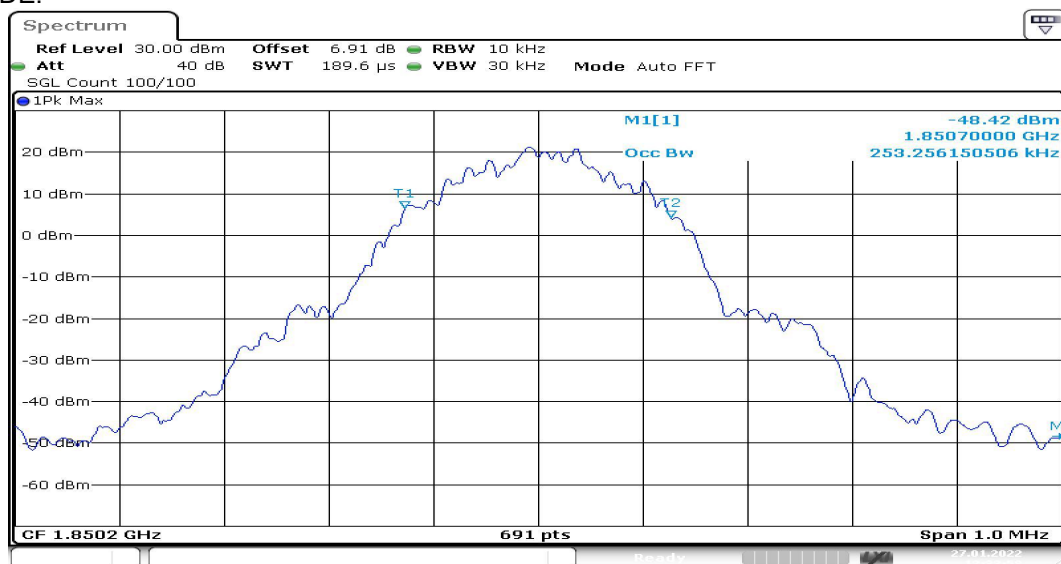
| Carrier frequency (MHz) | Channel No. | Bandwidth of 99% Power (kHz) |
|-------------------------|-------------|------------------------------|
| 1850.2 | 512 | 253.26 |
| 1880 | 661 | 244.57 |
| 1909.8 | 810 | 253.26 |

GPRS MODE:

| Carrier frequency (MHz) | Channel No. | Bandwidth of 99% Power (kHz) |
|-------------------------|-------------|------------------------------|
| 1850.2 | 512 | 253.26 |
| 1880 | 661 | 244.57 |
| 1909.8 | 810 | 244.57 |

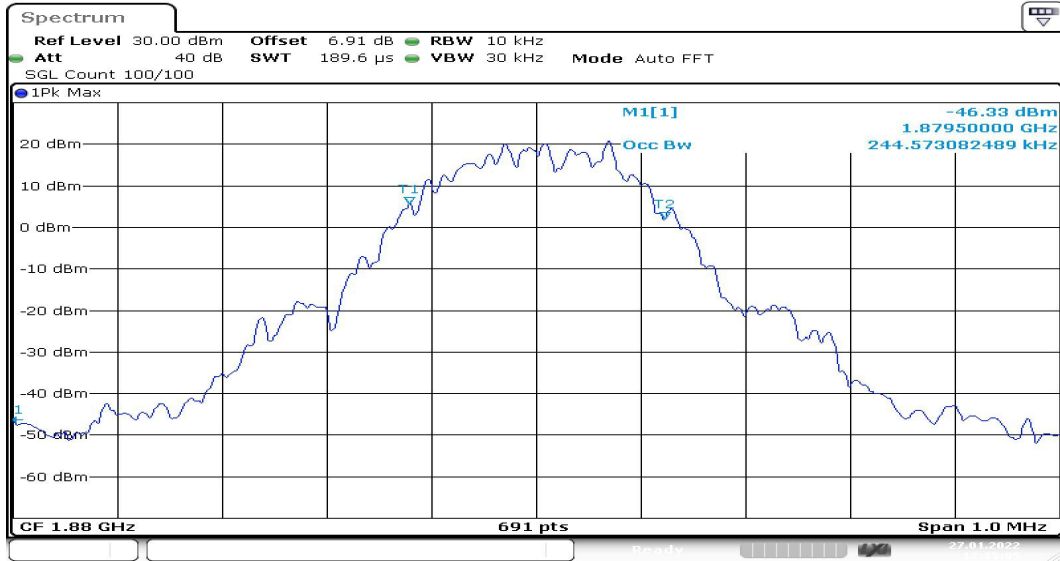
PCS1900

GSM MODE:

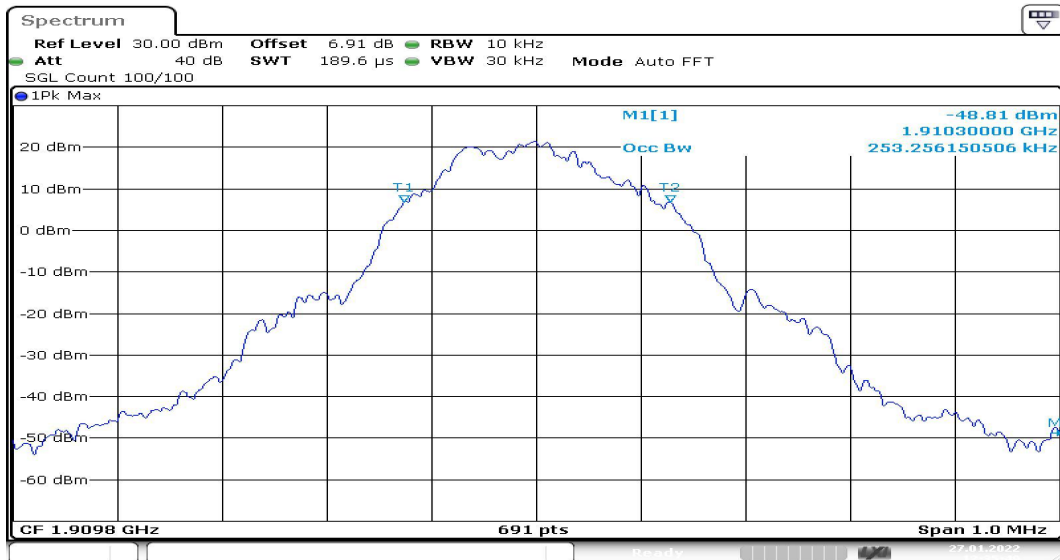


Date: 27.JAN.2022 12:33:59

Channel 512

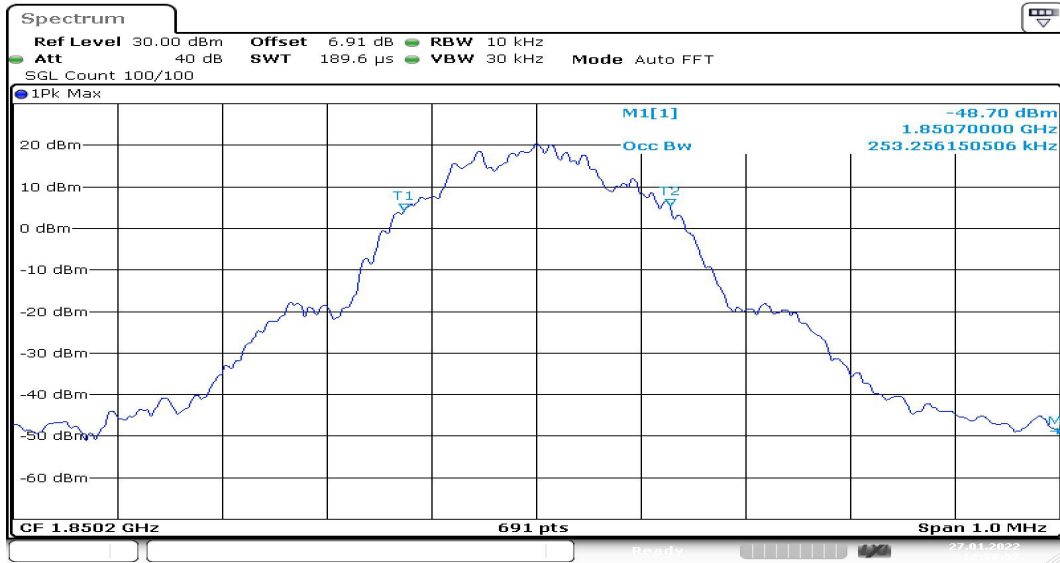


Channel 661

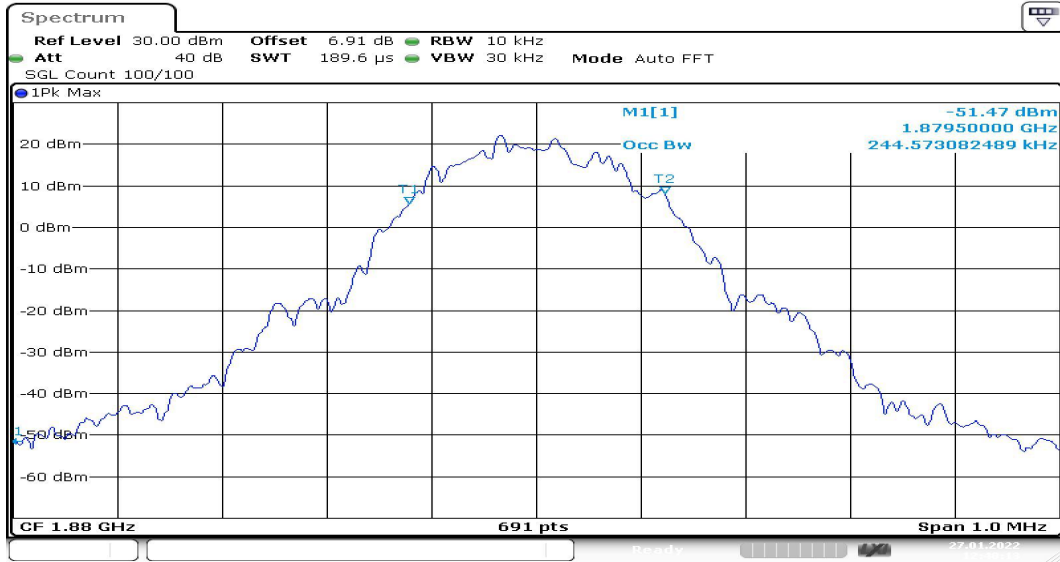


Channel 810

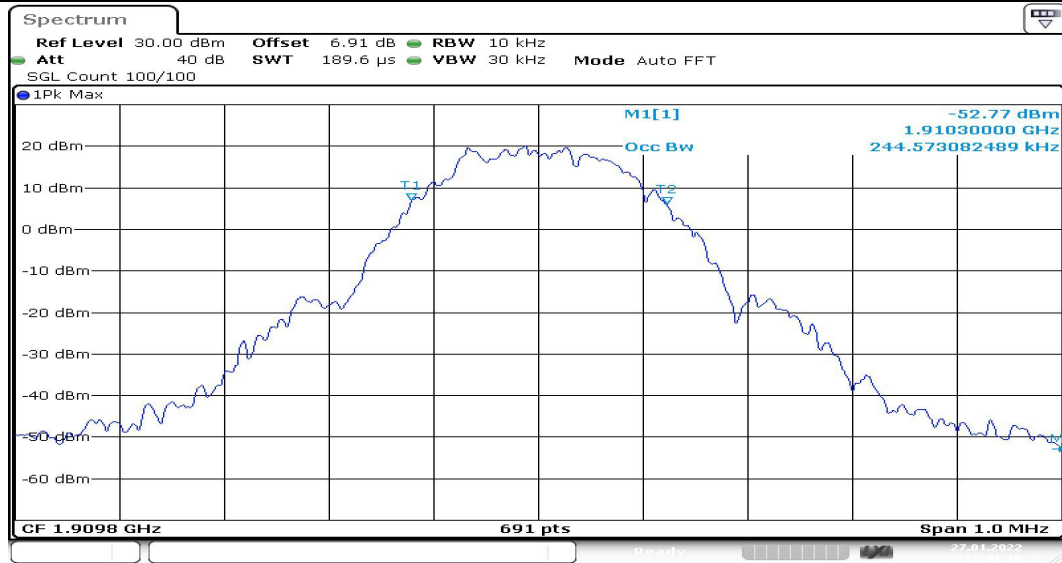
GPRS MODE:



Channel 512



Channel 661



Channel 810

3. Emission Bandwidth

PCS1900

GSM MODE:

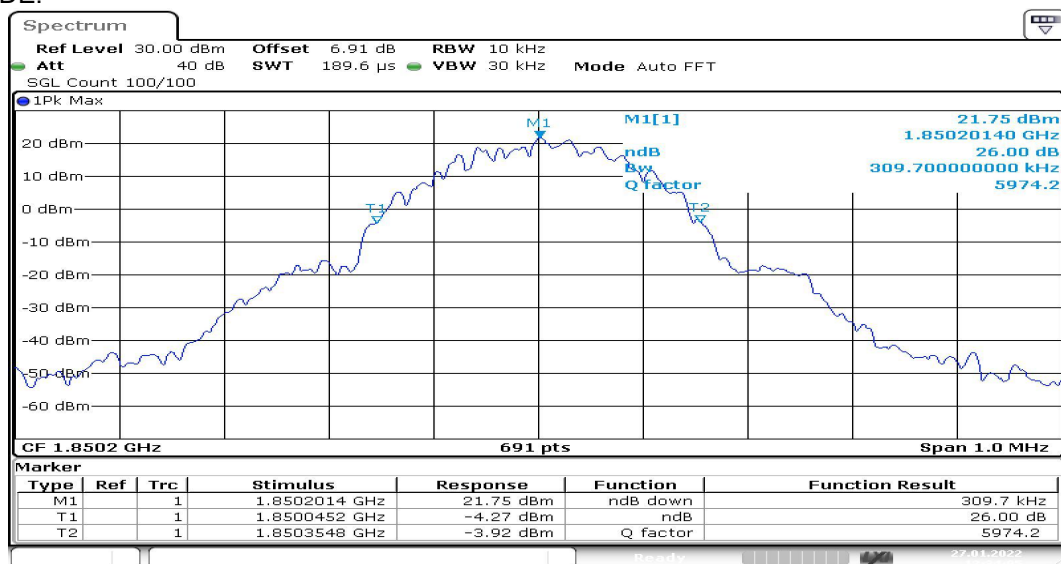
| Carrier frequency (MHz) | Channel No. | Bandwidth of -26dB transmitter power(kHz) |
|-------------------------|-------------|---|
| 1850.2 | 512 | 309.70 |
| 1880 | 661 | 316.90 |
| 1909.8 | 810 | 314.00 |

GPRS MODE:

| Carrier frequency (MHz) | Channel No. | Bandwidth of -26dB (kHz) |
|-------------------------|-------------|--------------------------|
| 1850.2 | 512 | 319.80 |
| 1880 | 661 | 308.20 |
| 1909.8 | 810 | 302.50 |

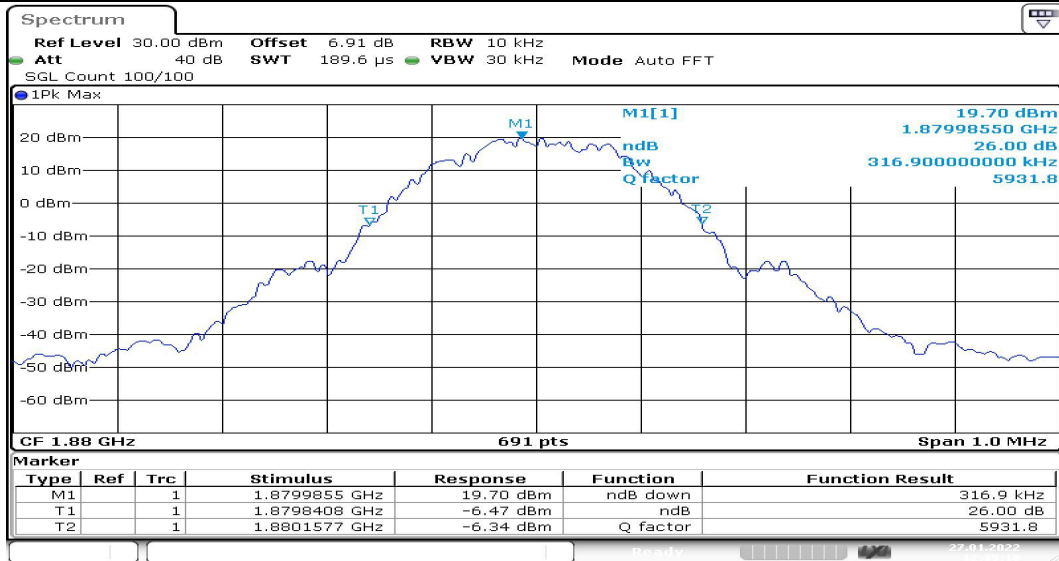
PCS1900

GSM MODE:



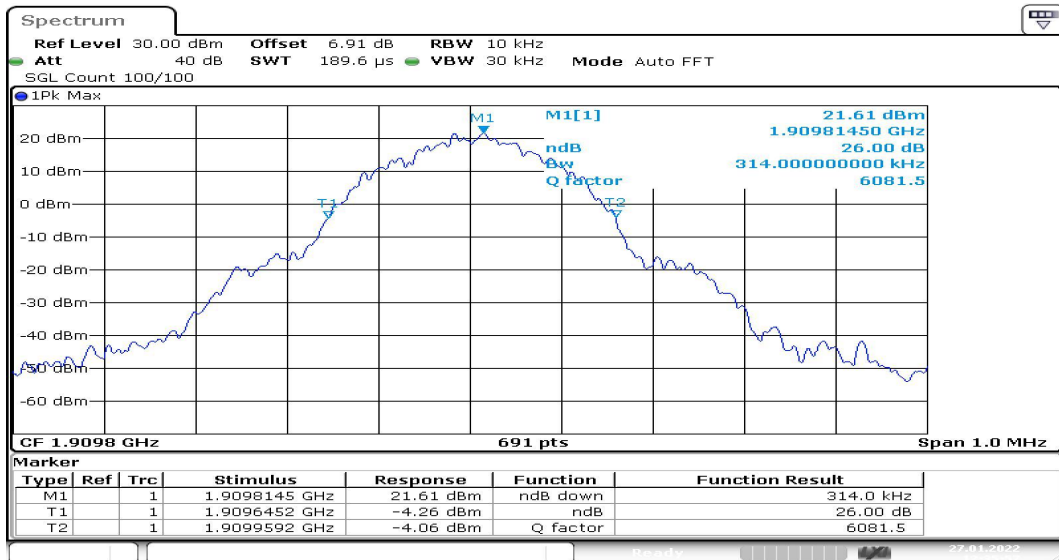
Date: 27.JAN.2022 12:34:06

Channel 512



Date: 27.JAN.2022 12:35:11

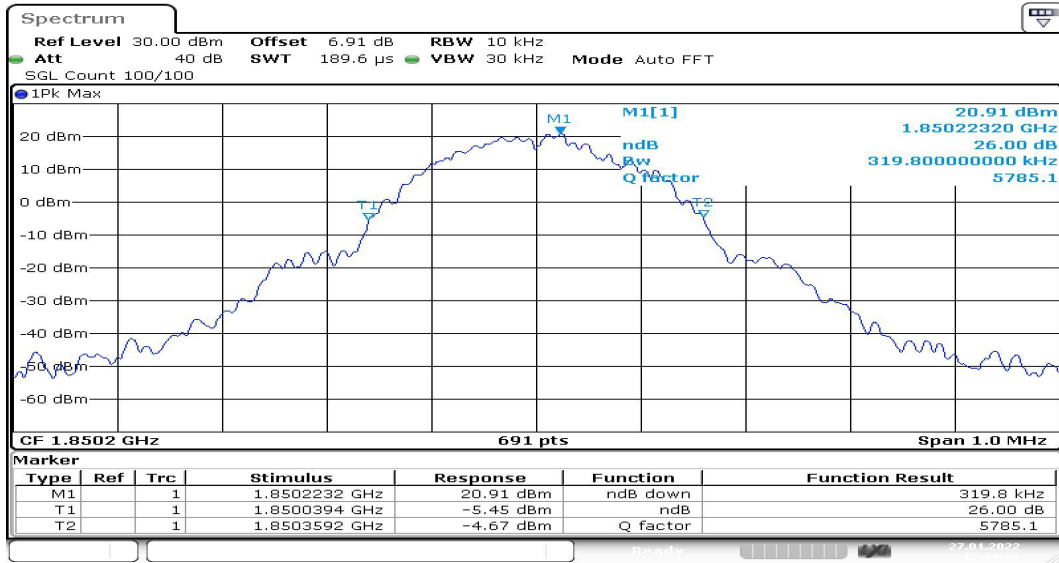
Channel 661



Date: 27.JAN.2022 12:35:56

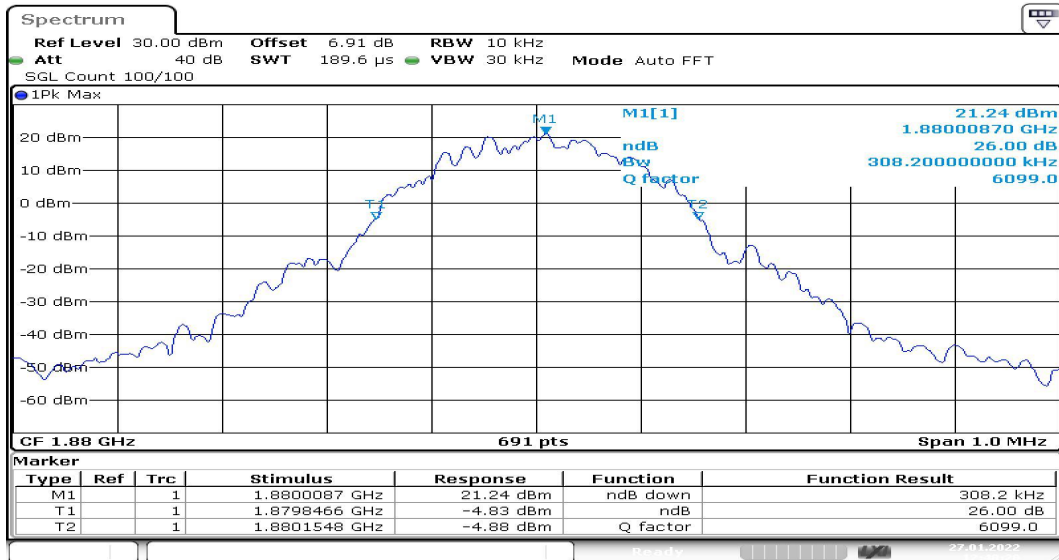
Channel 810

GPRS MODE:



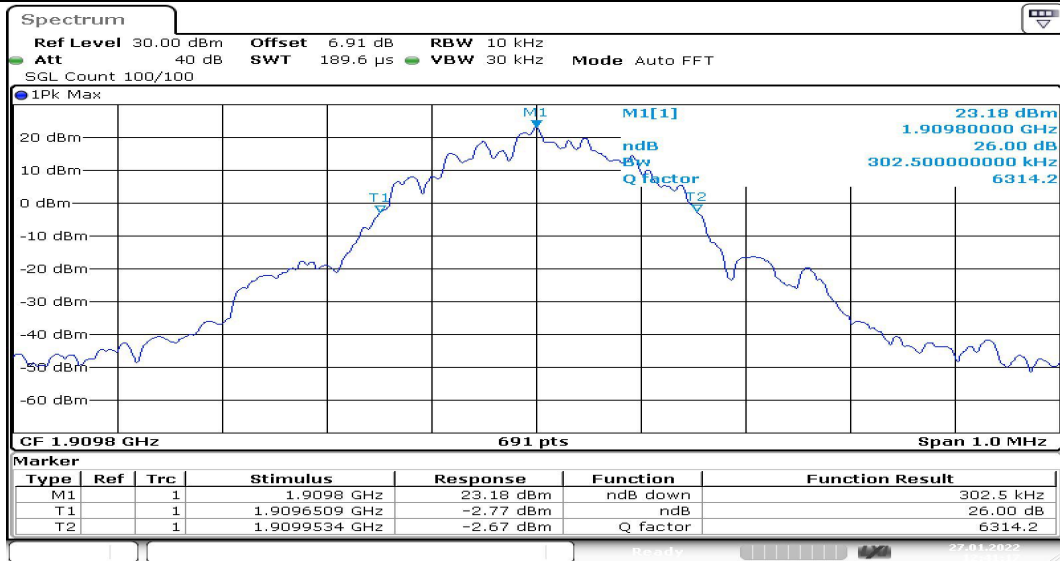
Date: 27.JAN.2022 12:39:04

Channel 512



Date: 27.JAN.2022 12:40:20

Channel 661



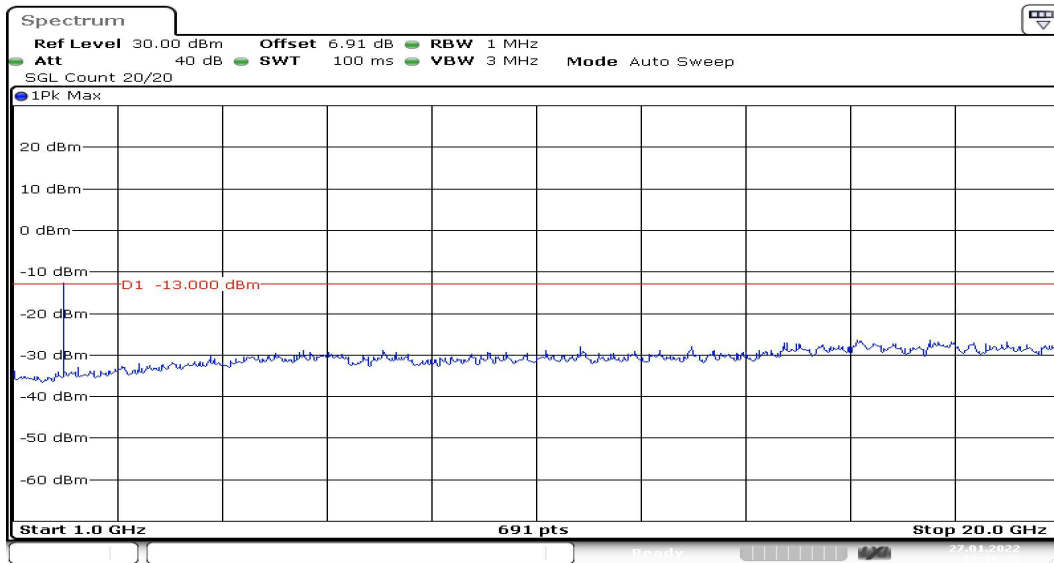
Date: 27.JAN.2022 12:41:17

Channel 810

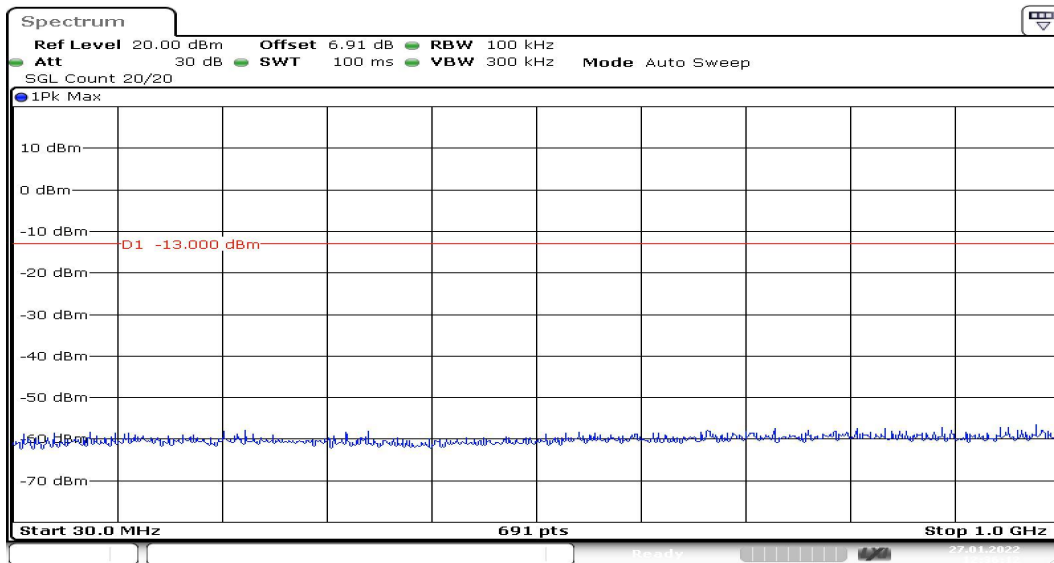
4. Spurious Emissions at antenna terminal

PCS1900

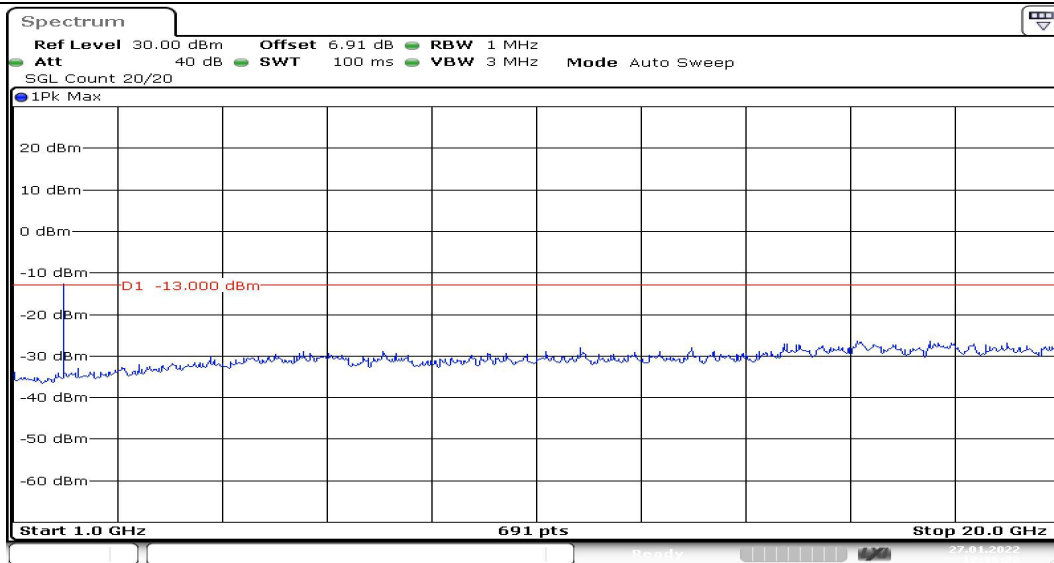
GSM MODE:



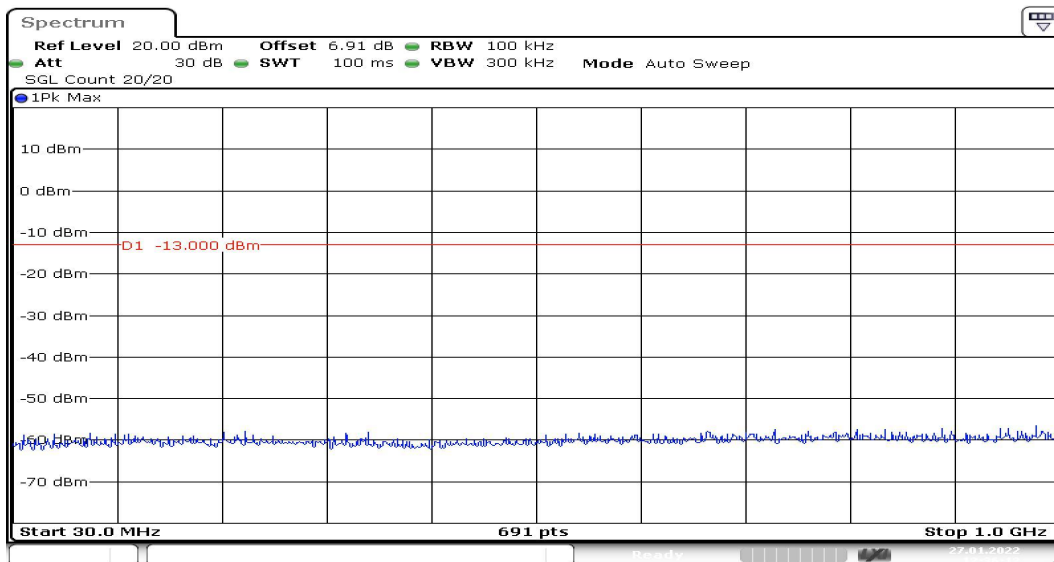
Channel 512



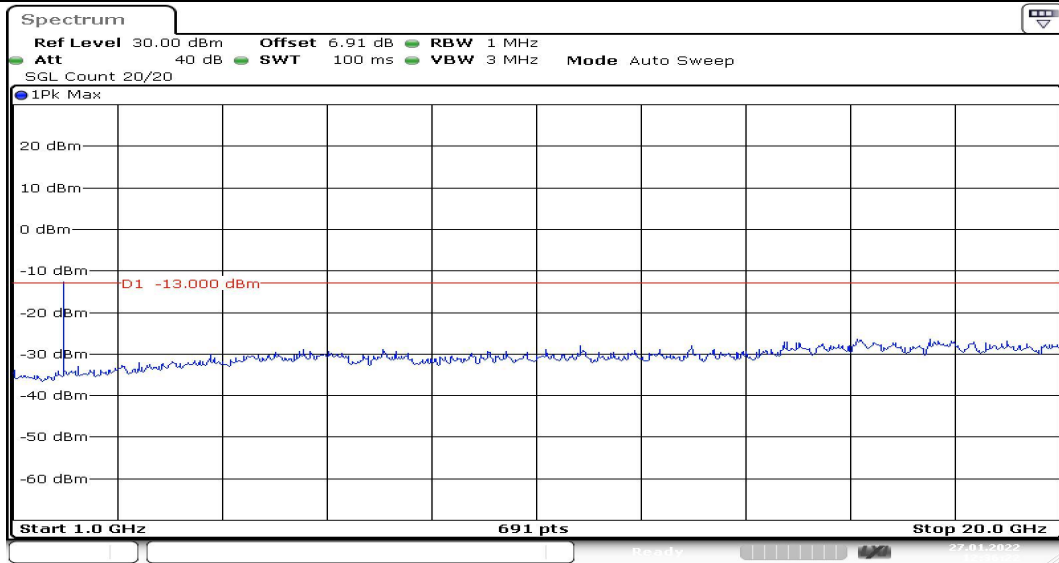
Channel 512



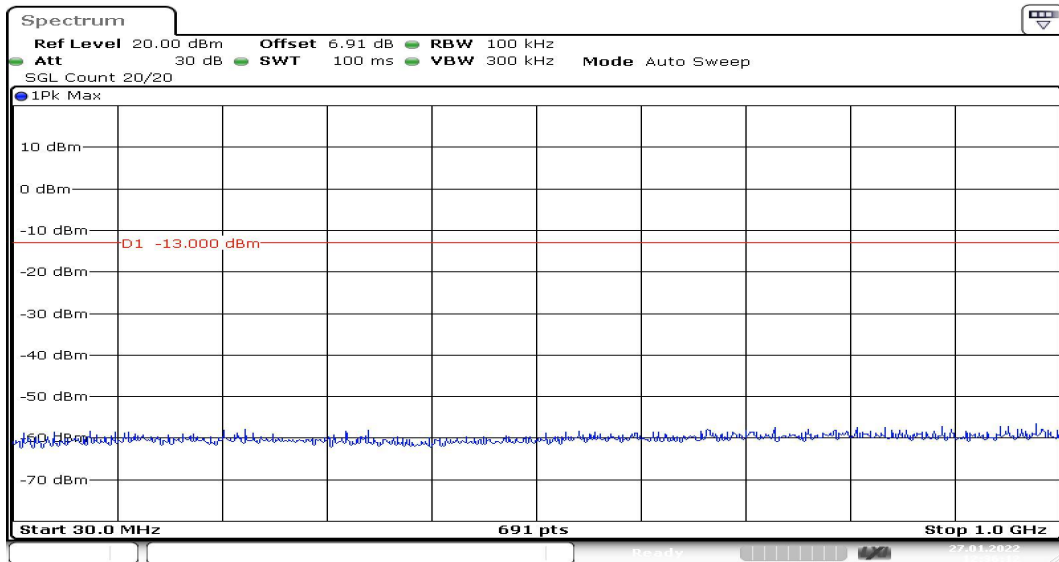
Channel 661



Channel 661

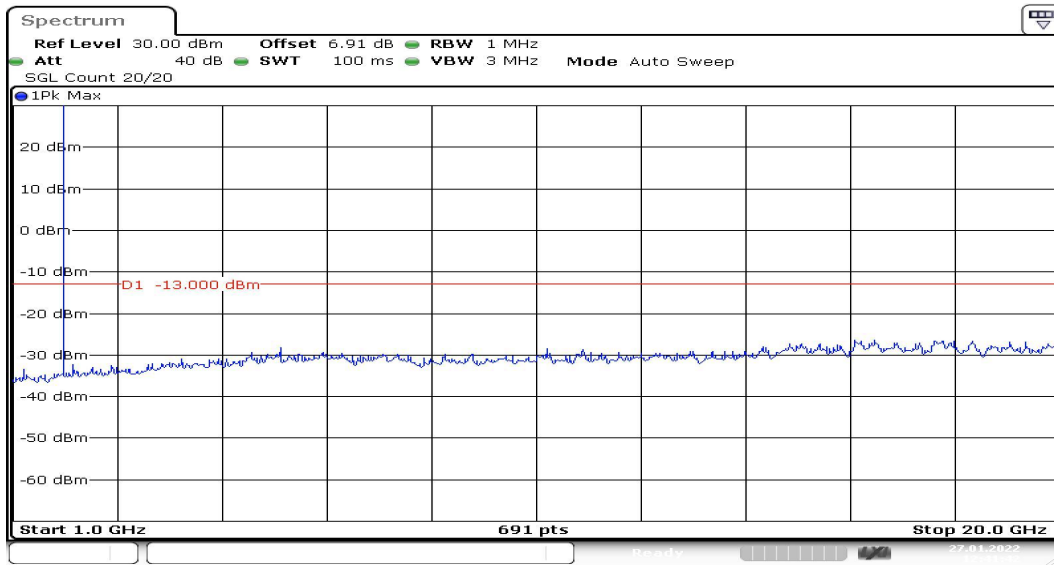


Channel 810

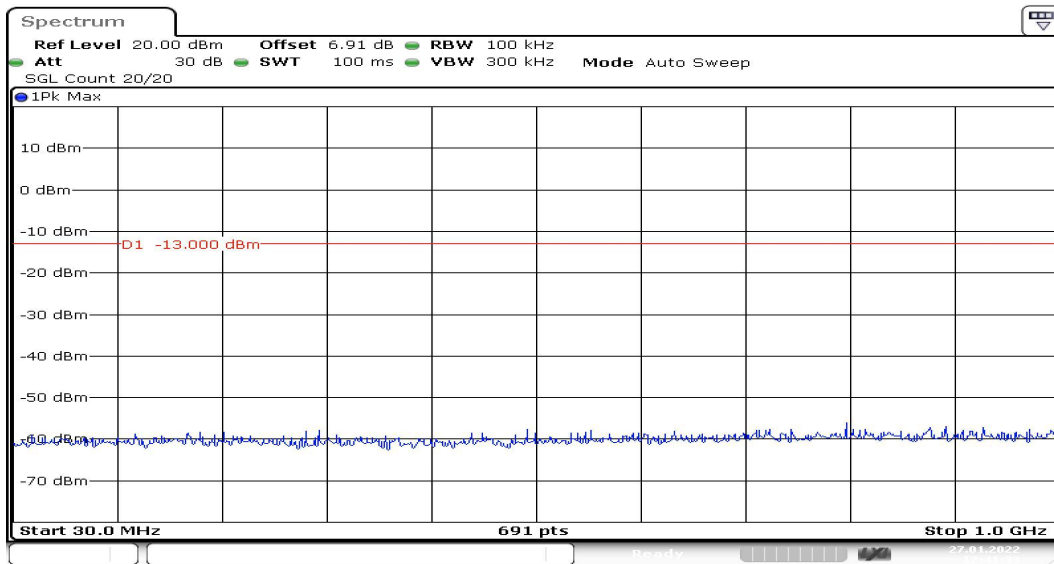


Channel 810

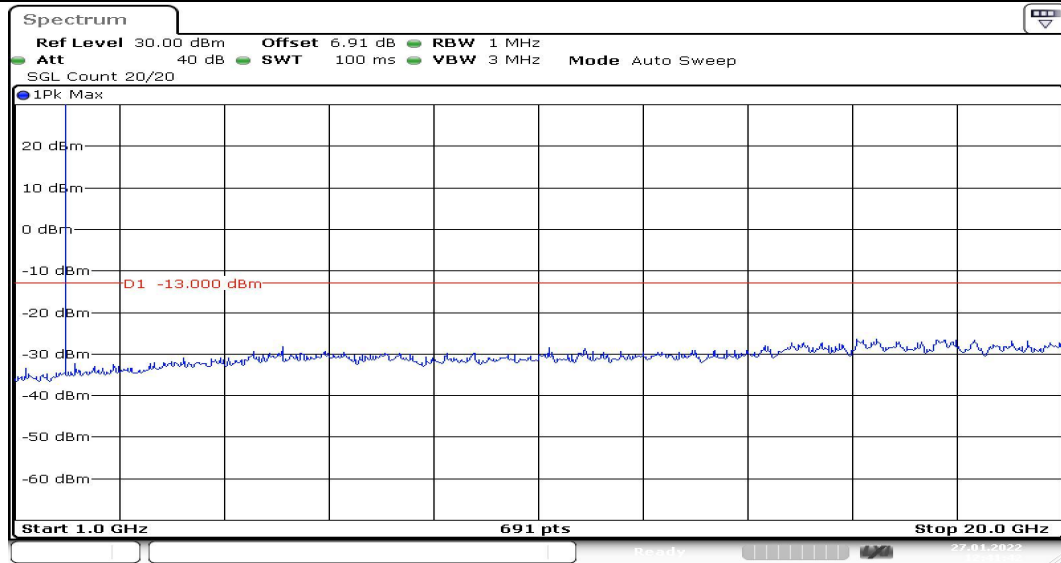
GPRS MODE:



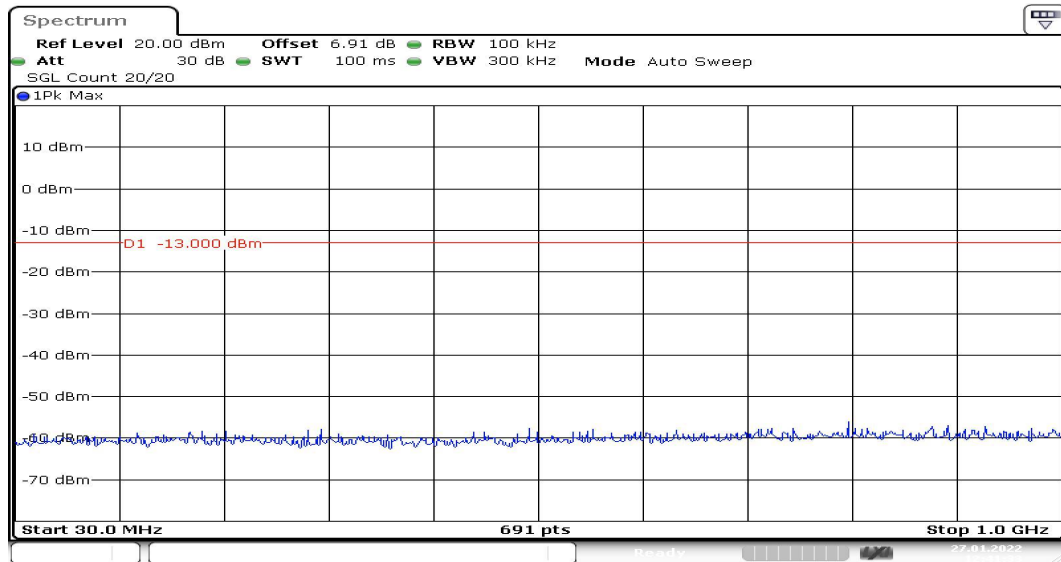
Channel 512



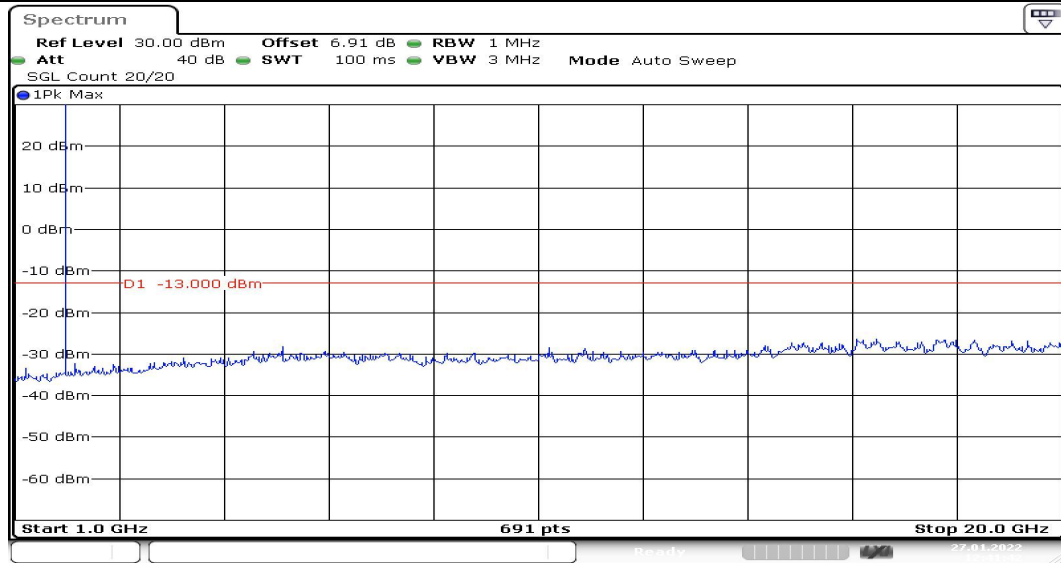
Channel 512



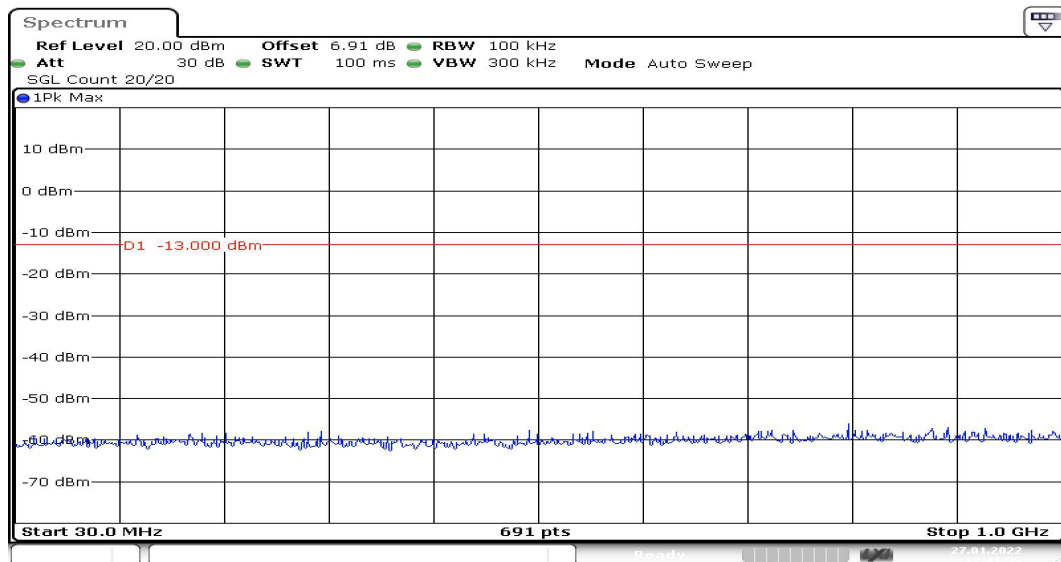
Channel 661



Channel 661

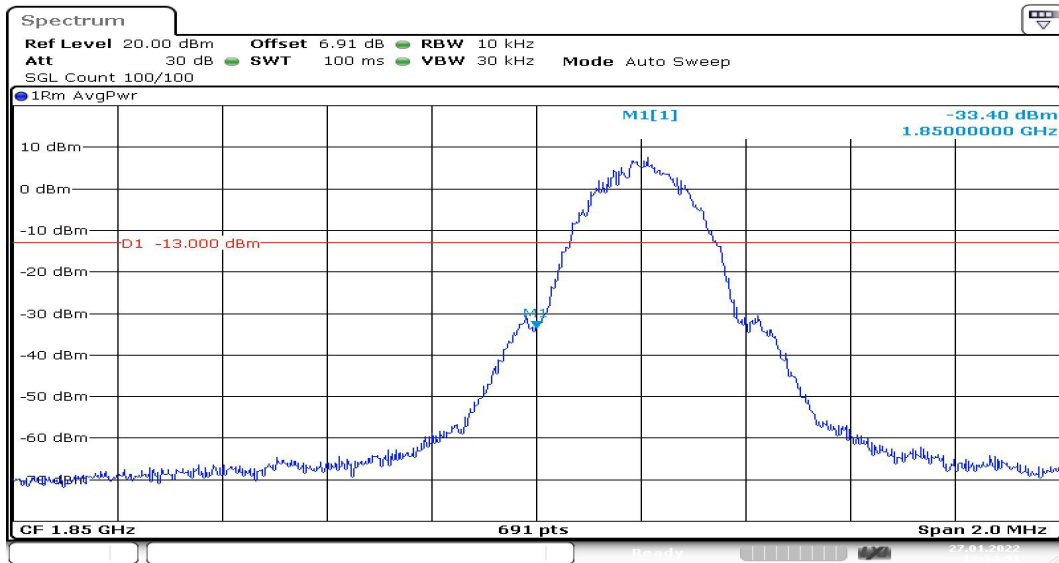


Channel 810

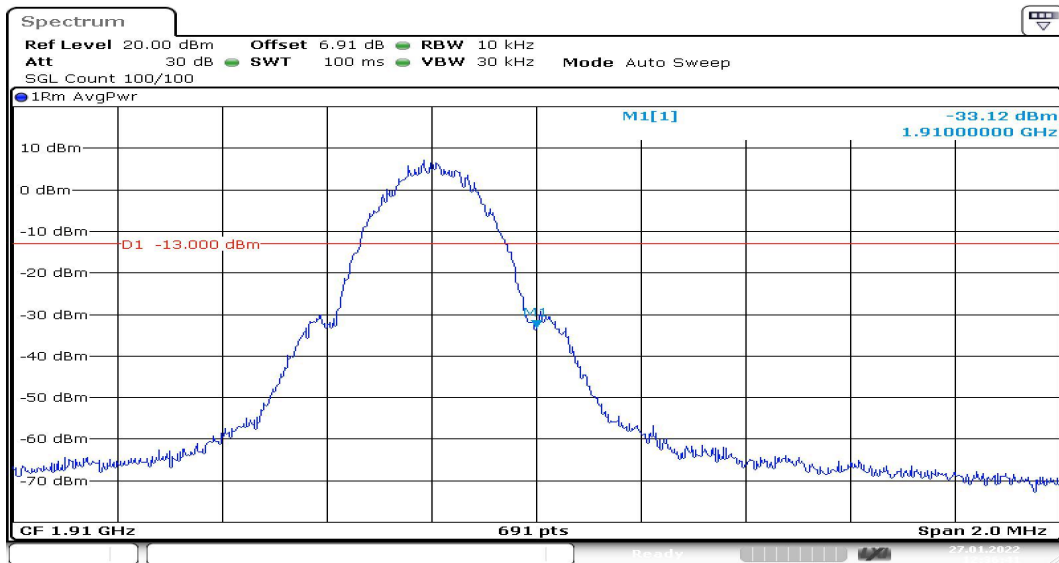


Channel 810

5. Band Edges Compliance
PCS1900
GSM MODE:

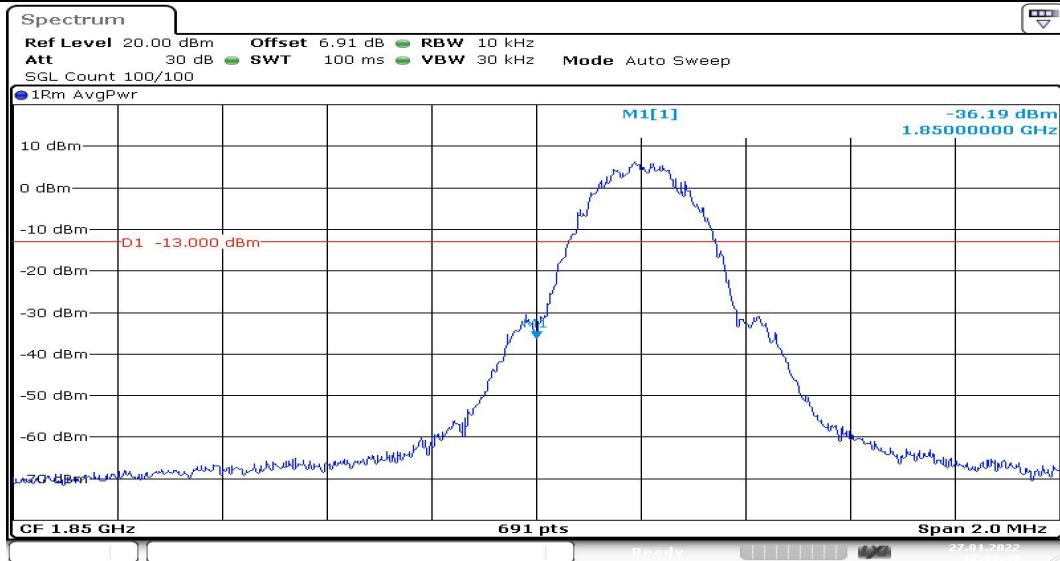


Channel 512

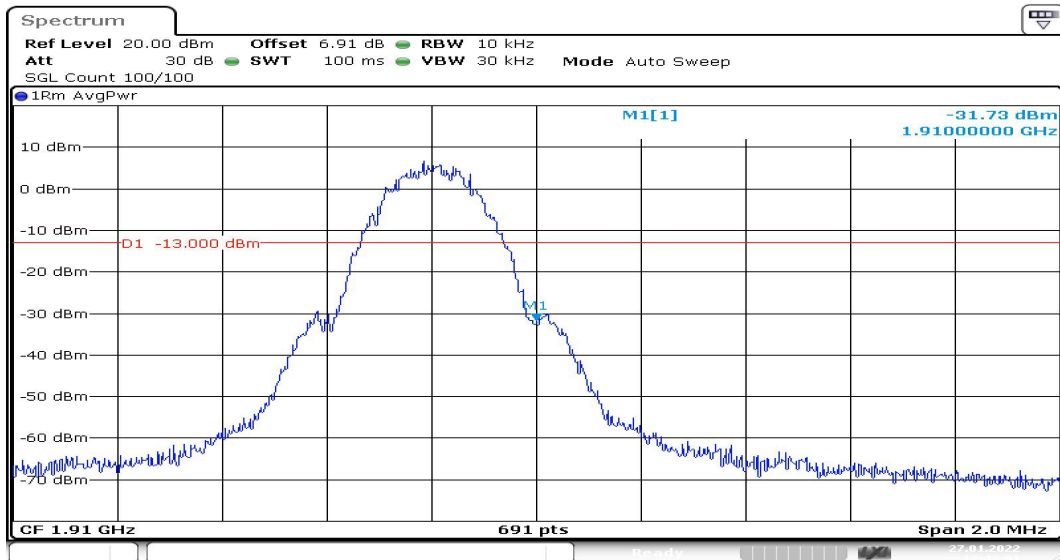


Channel 810

GPRS MODE:



Channel 512



Channel 810

6. Frequency Stability

PCS1900

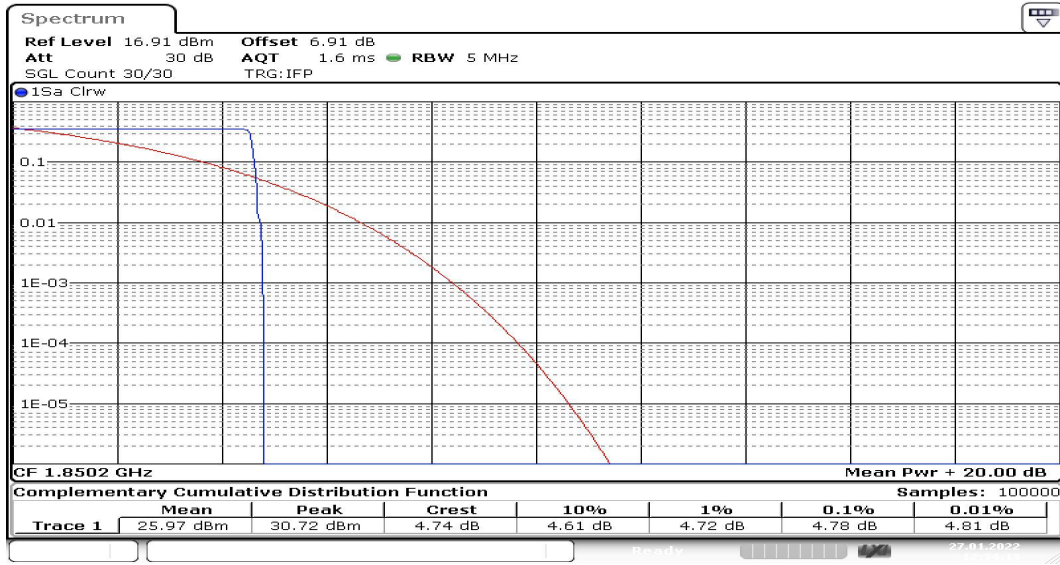
GSM MODE:

| Temperature(°C) | Test Result (ppm)@NV | | |
|-----------------|----------------------|-------------|-------------|
| | Channel 512 | Channel 661 | Channel 810 |
| -10 | 0.001 | 0.000 | 0.001 |
| 0 | 0.000 | 0.000 | 0.000 |
| +10 | 0.006 | 0.004 | 0.002 |
| +30 | 0.002 | 0.002 | 0.001 |
| +40 | 0.000 | 0.005 | 0.006 |
| +50 | 0.003 | -0.001 | 0.000 |
| Voltage | Test Result (ppm)@NT | | |
| | Channel 512 | Channel 661 | Channel 810 |
| LV | 0.007 | 0.002 | 0.002 |
| HV | 0.003 | 0.004 | -0.001 |

GPRS MODE:

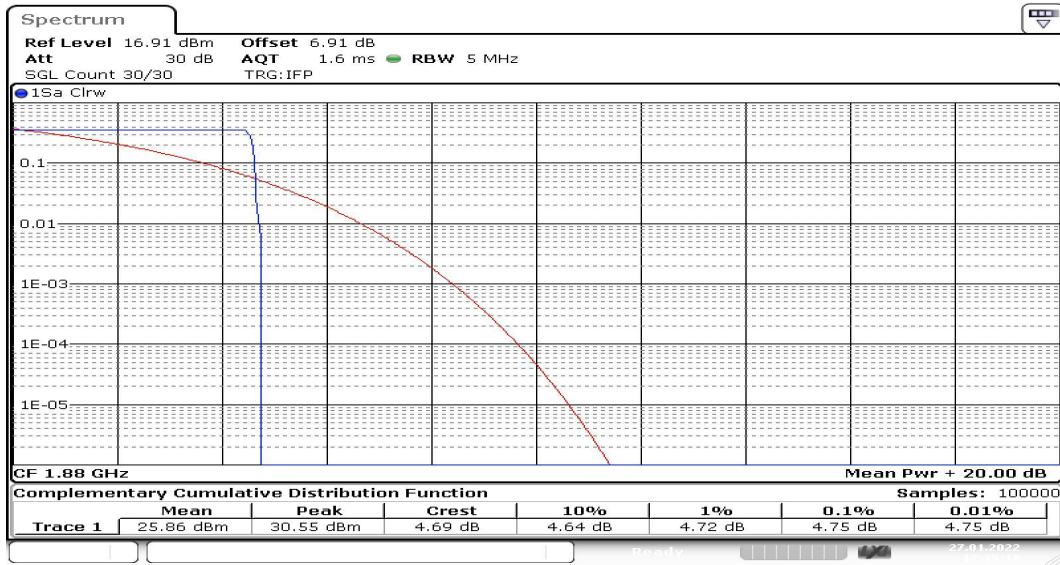
| Temperature(°C) | Test Result (ppm)@NV | | |
|-----------------|----------------------|-------------|-------------|
| | Channel 512 | Channel 661 | Channel 810 |
| -10 | 0.002 | 0.000 | 0.003 |
| 0 | 0.002 | 0.000 | 0.002 |
| +10 | 0.008 | 0.003 | 0.000 |
| +30 | 0.002 | -0.001 | 0.001 |
| +40 | 0.004 | 0.002 | 0.001 |
| +50 | 0.005 | 0.000 | 0.006 |
| Voltage | Test Result (ppm)@NT | | |
| | Channel 512 | Channel 661 | Channel 810 |
| LV | 0.007 | -0.001 | 0.002 |
| HV | 0.005 | 0.003 | 0.000 |

7. Peak-Average Ratio
PCS1900
GSM MODE:



Date: 27.JAN.2022 12:34:13

Channel 512



Date: 27.JAN.2022 12:35:18

Channel 661