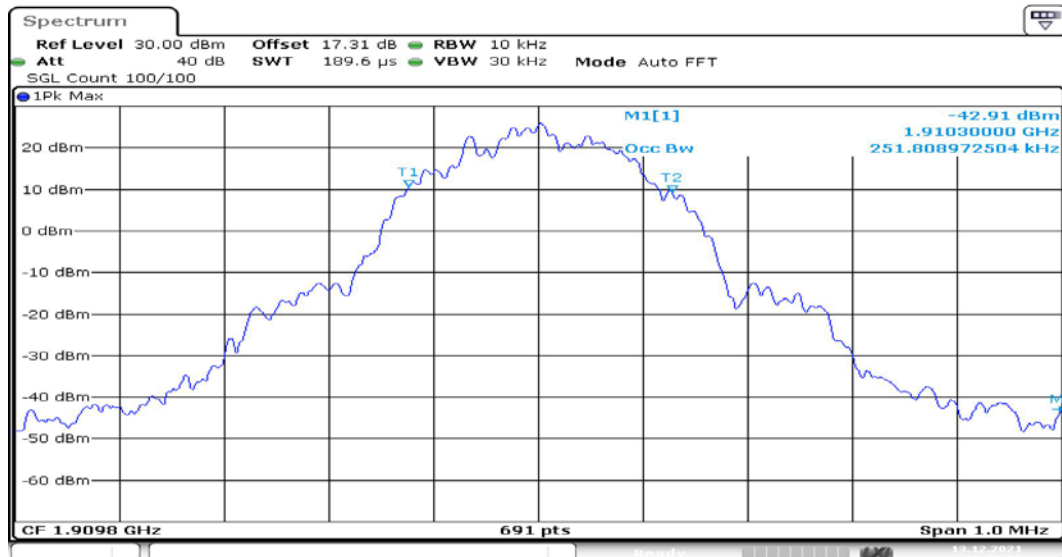
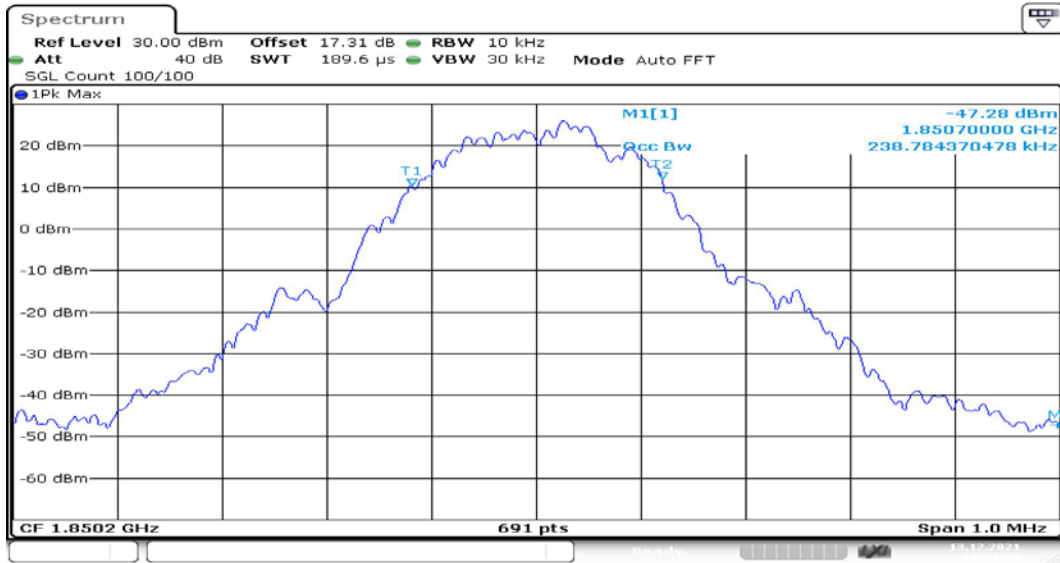


Channel 661

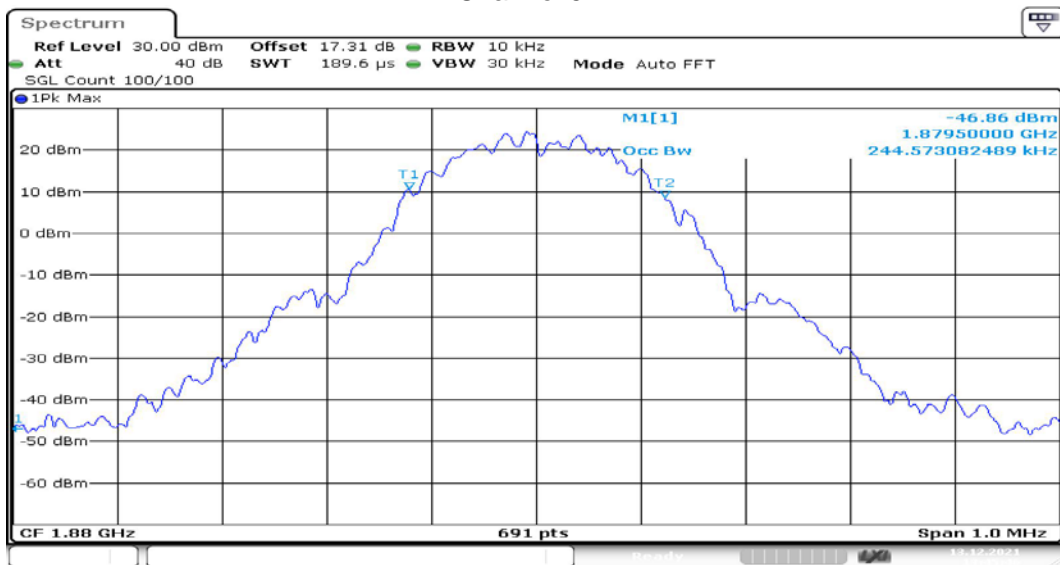


Channel 810

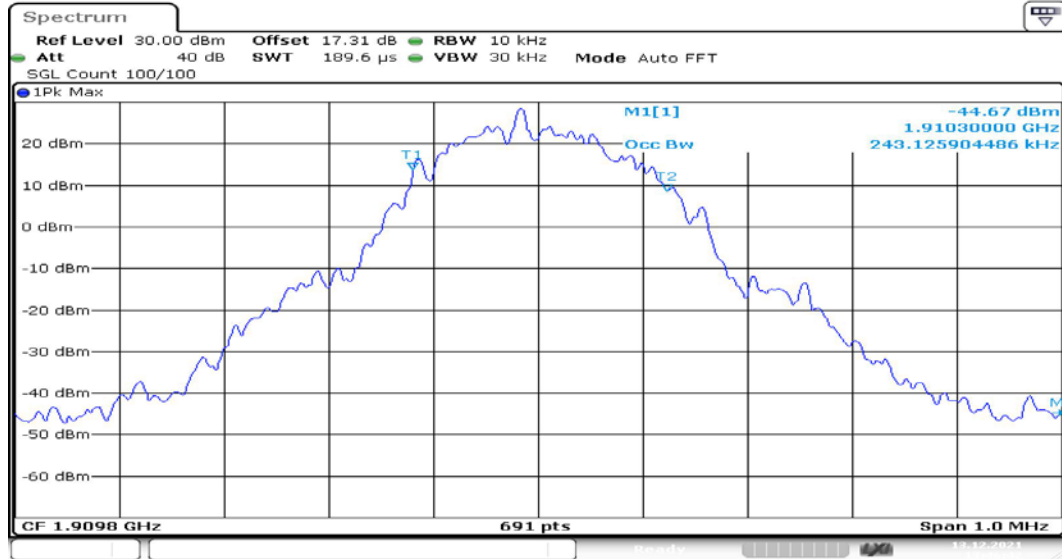
GPRS MODE:



Channel 512



Channel 661

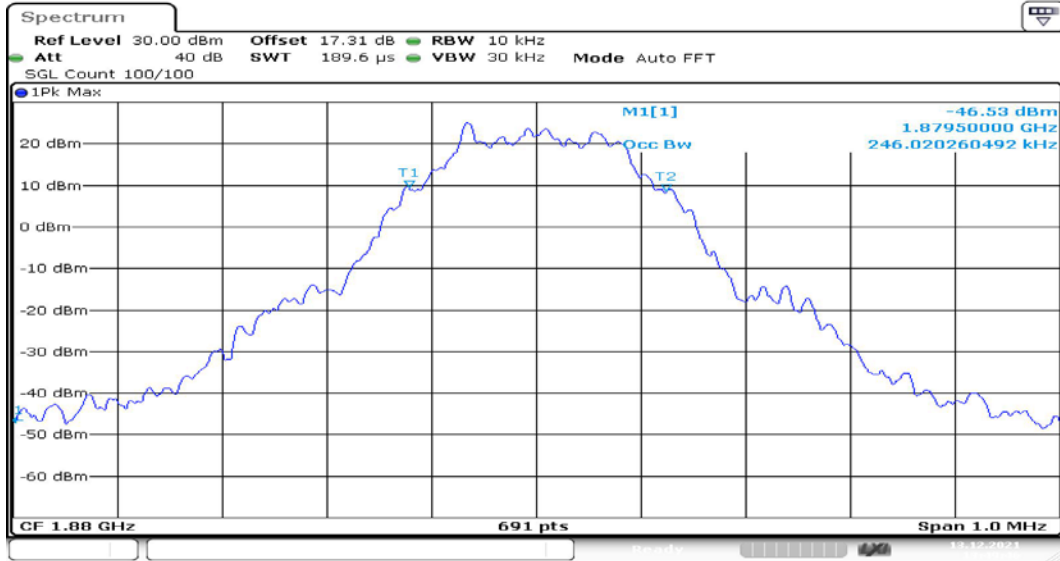


Channel 810

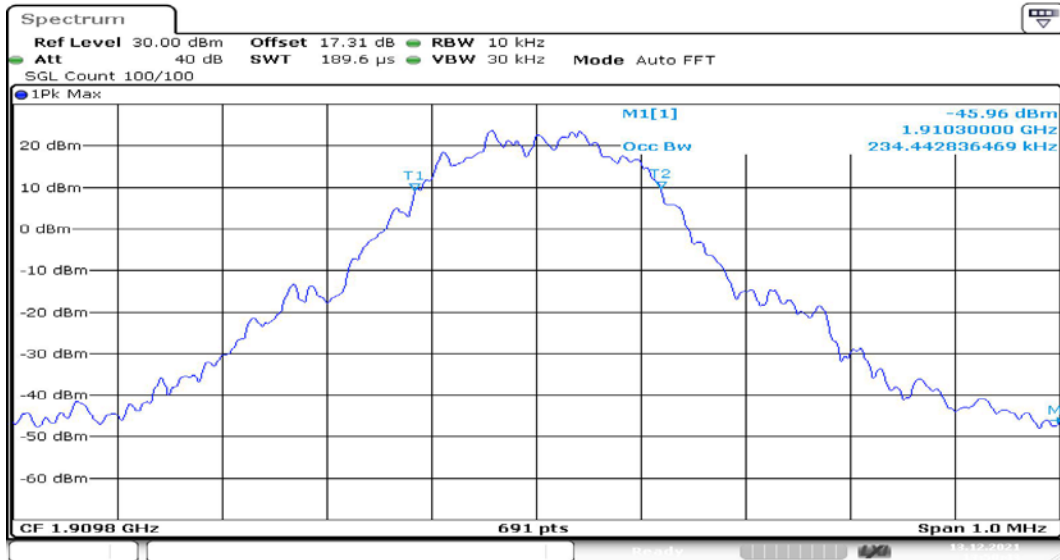
EGPRS (8PSK) MODE:



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	305.40
1880	661	311.10
1909.8	810	309.70

GPRS MODE:

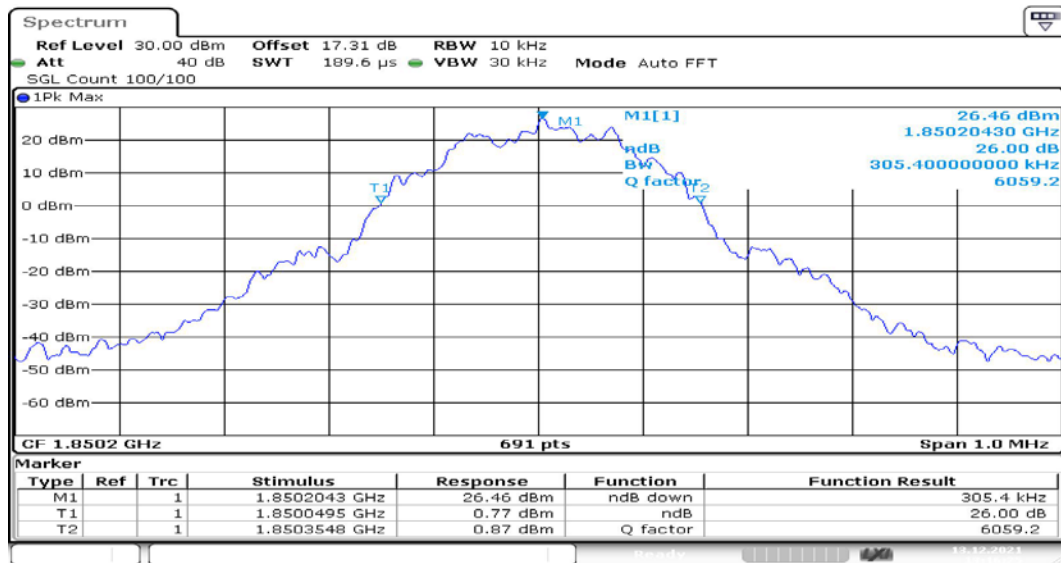
Carrier frequency (MHz)	Channel No.	Bandwidth of -26dB (kHz)
1850.2	512	311.10
1880	661	306.80
1909.8	810	311.10

EGPRS (8PSK) MODE:

Carrier frequency (MHz)	Channel No.	Bandwidth of -26dB transmitter power(kHz)
1850.2	512	316.90
1880	661	318.40
1909.8	810	301.00

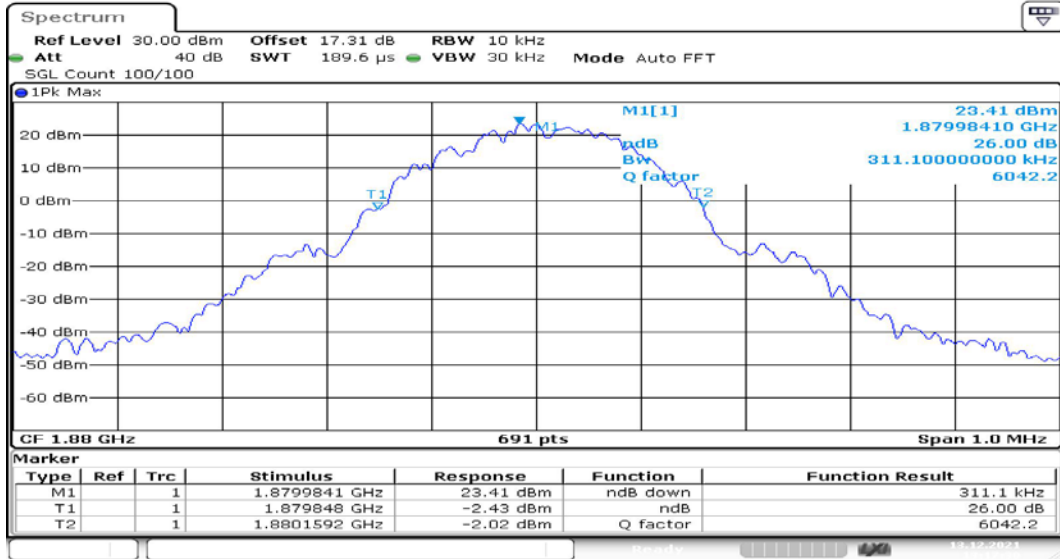
PCS1900

GSM MODE:



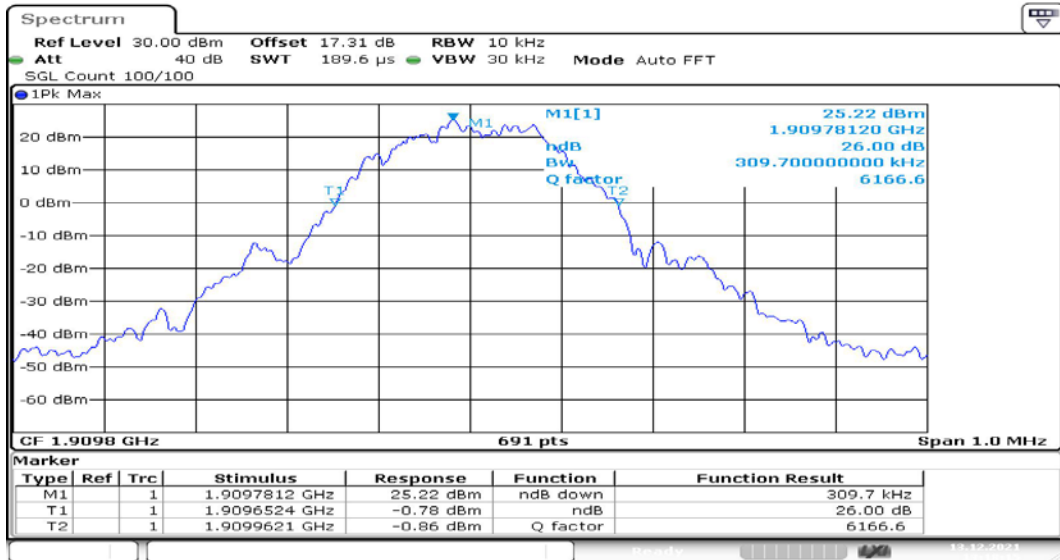
Date: 13.DEC.2021 13:16:25

Channel 512



Date: 13.DEC.2021 13:17:30

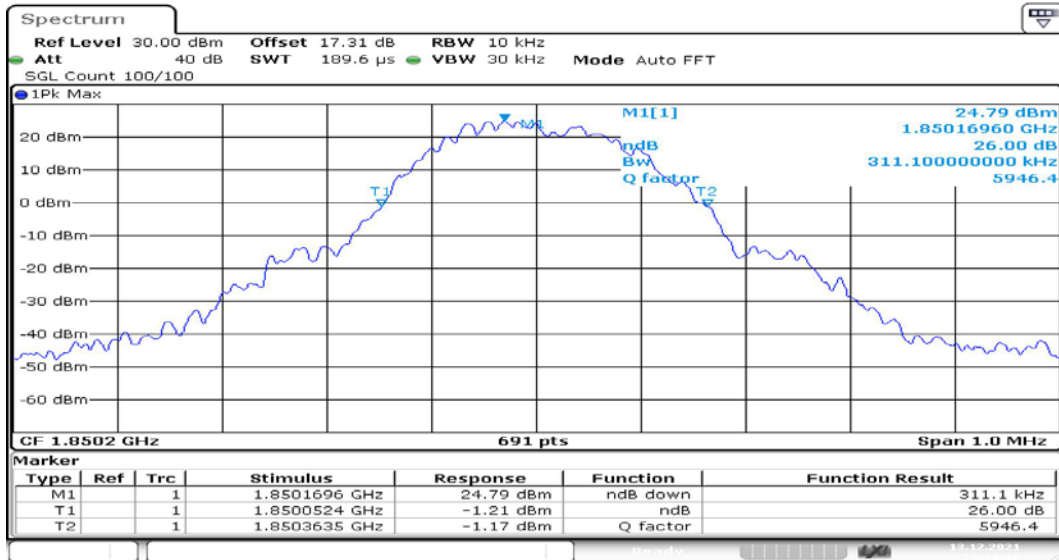
Channel 661



Date: 13.DEC.2021 13:18:15

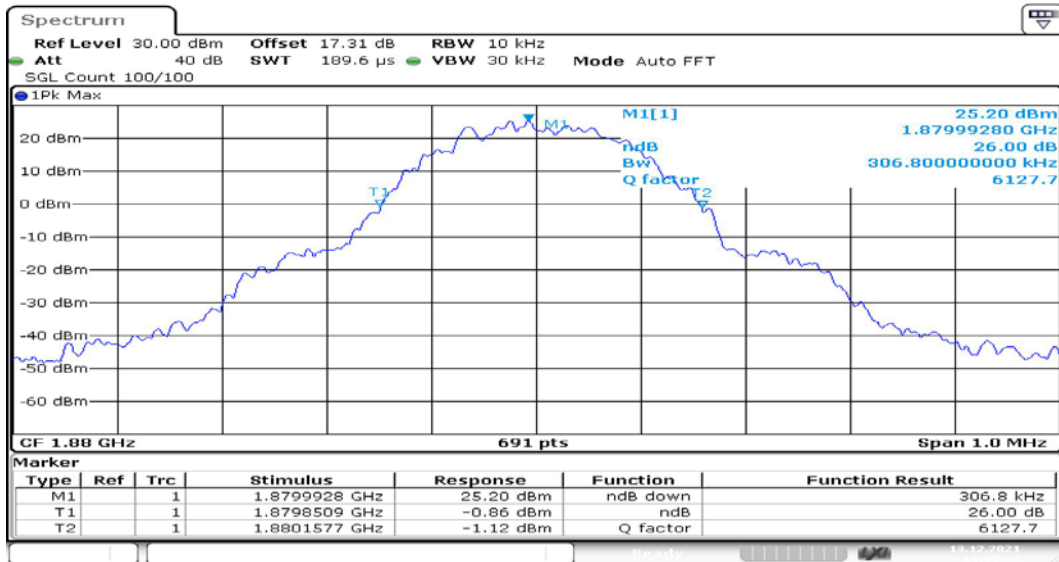
Channel 810

GPRS MODE:



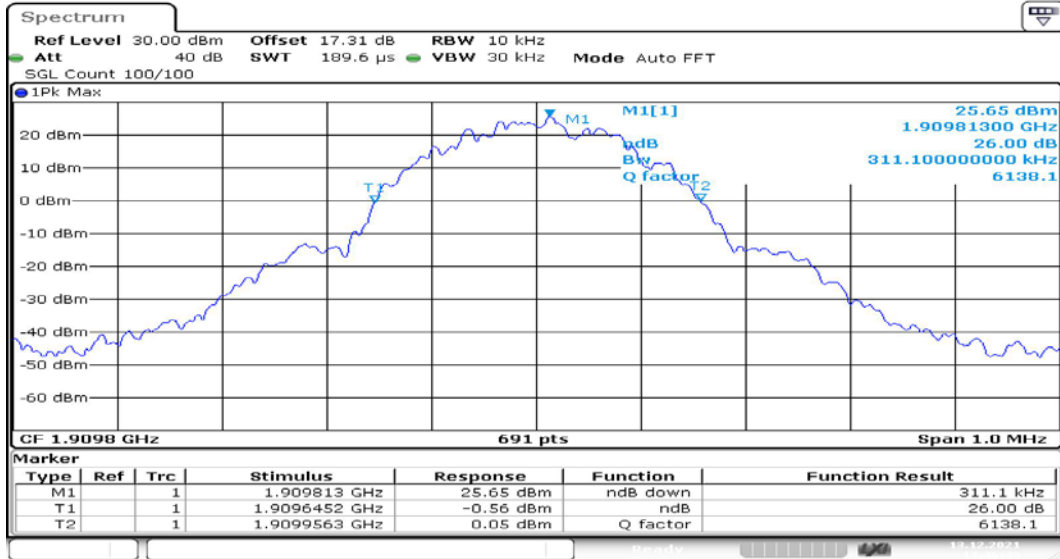
Date: 13.DEC.2021 13:44:36

Channel 512



Date: 13.DEC.2021 13:45:52

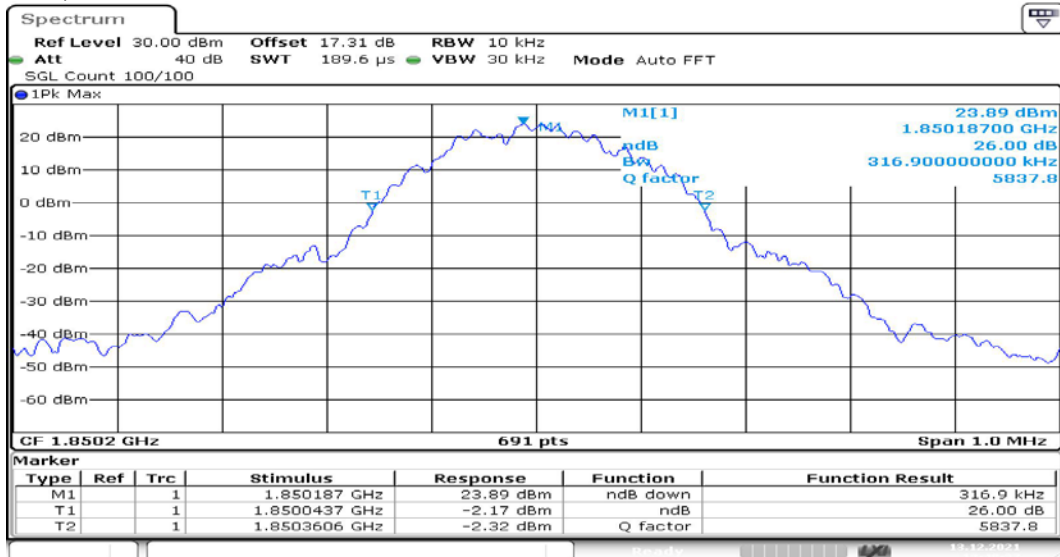
Channel 661



Date: 13.DEC.2021 13:46:49

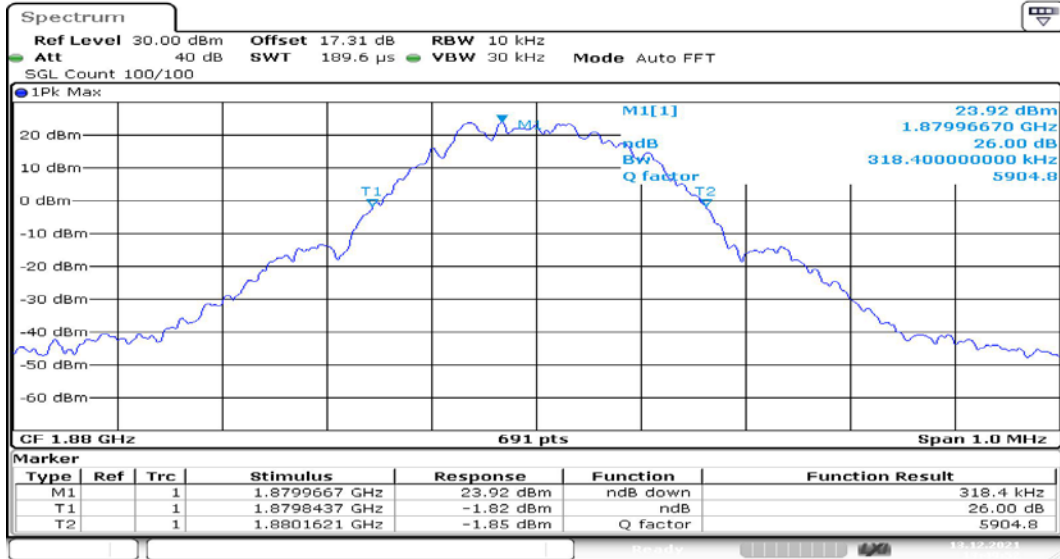
Channel 810

EGPRS (8PSK) MODE:



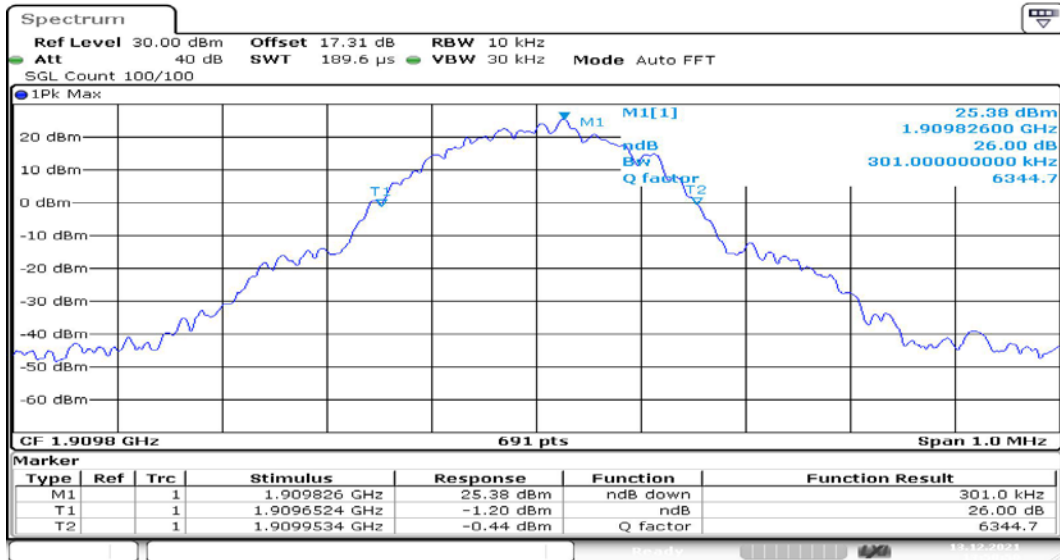
Date: 13.DEC.2021 13:48:37

Channel 512



Date: 13.DEC.2021 13:49:52

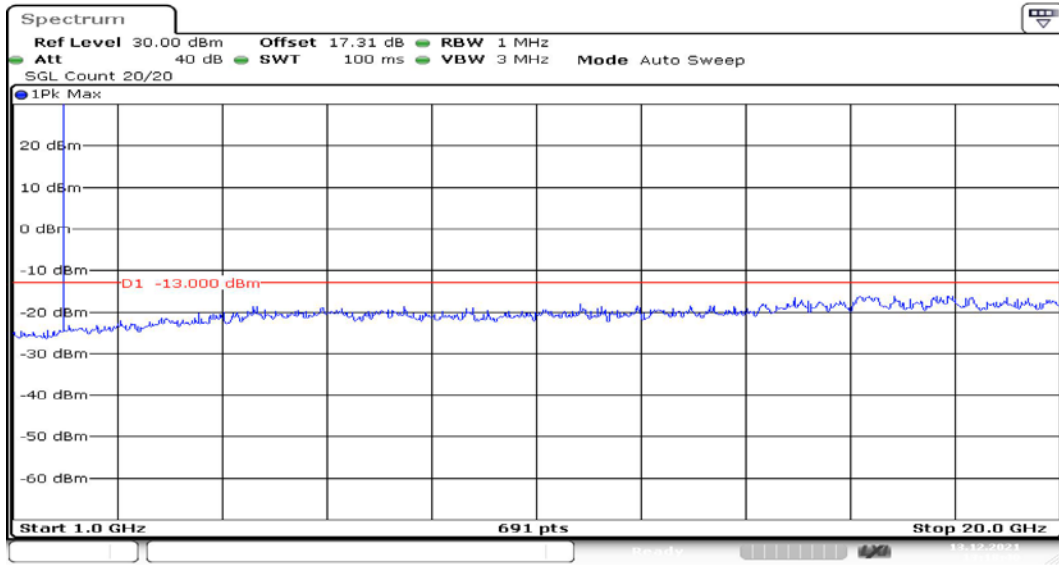
Channel 661



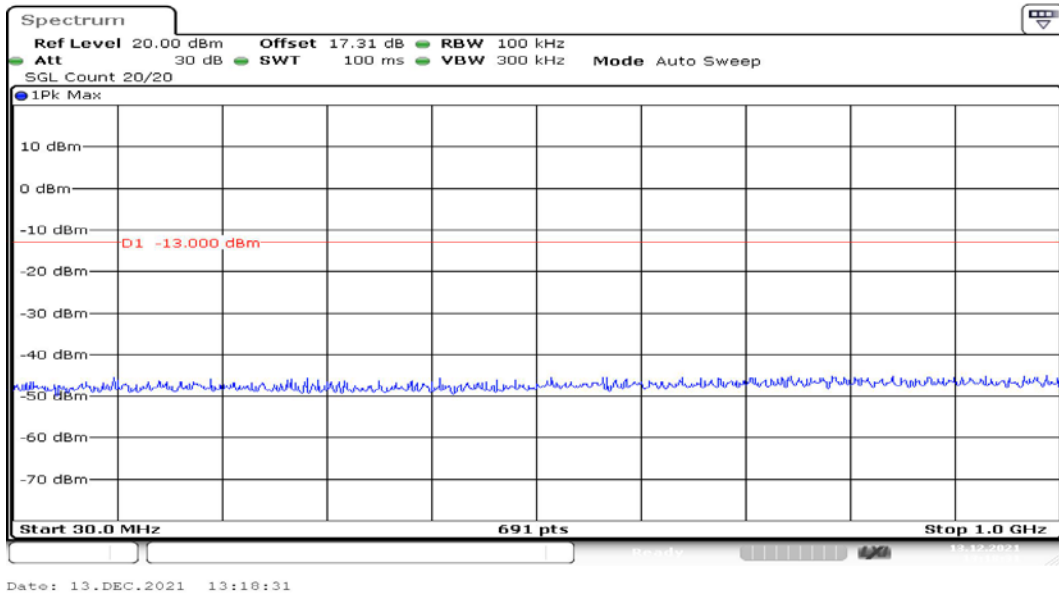
Date: 13.DEC.2021 13:50:50

Channel 810

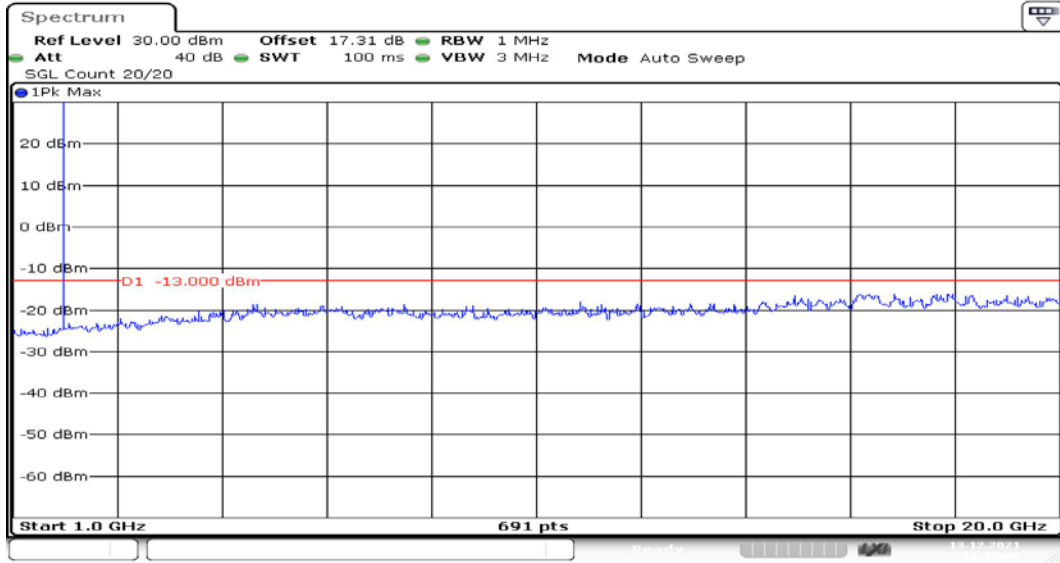
4. Spurious Emissions at antenna terminal
PCS1900
GSM MODE:



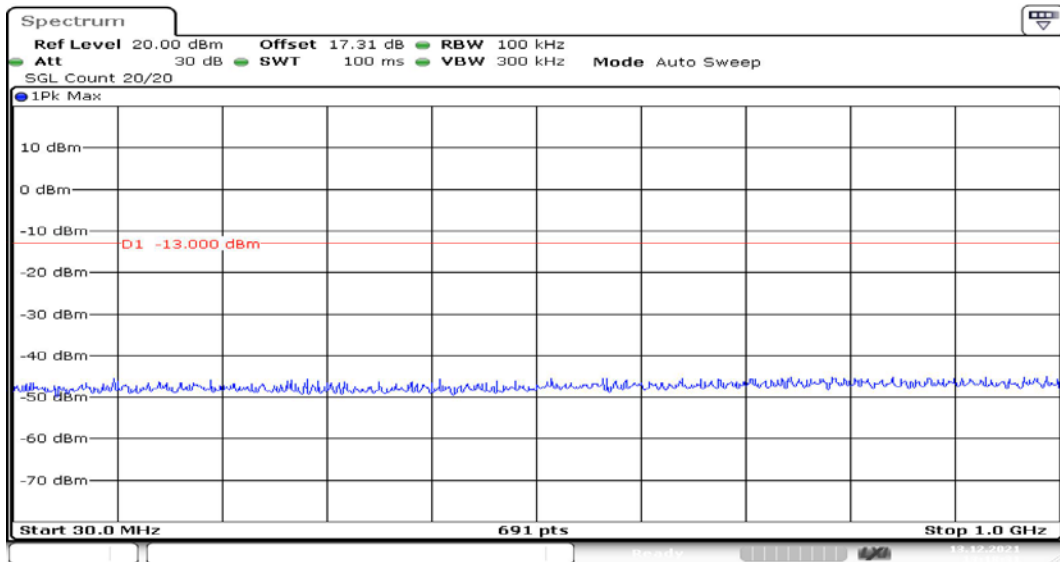
Channel 512



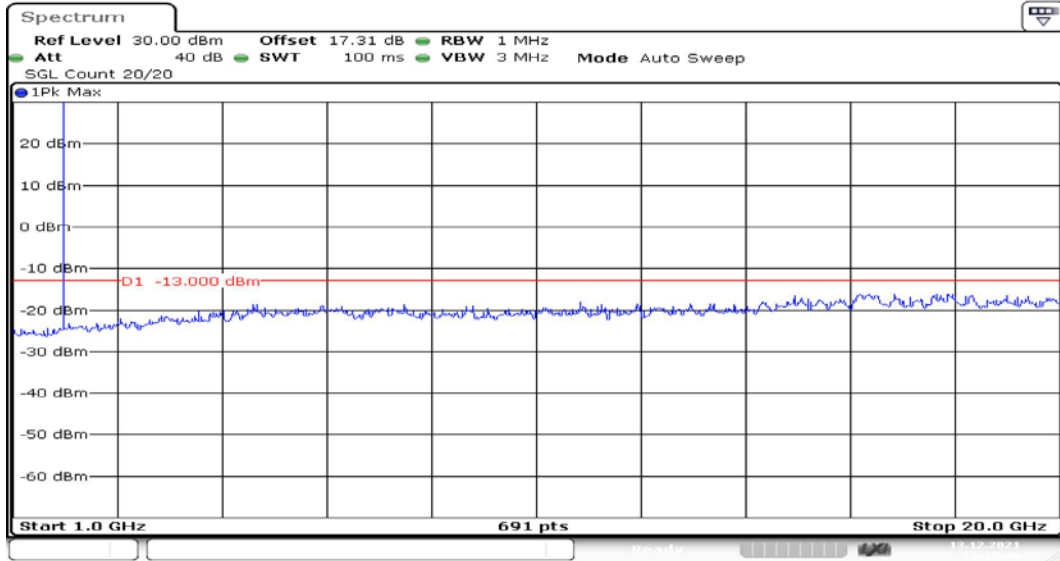
Channel 512



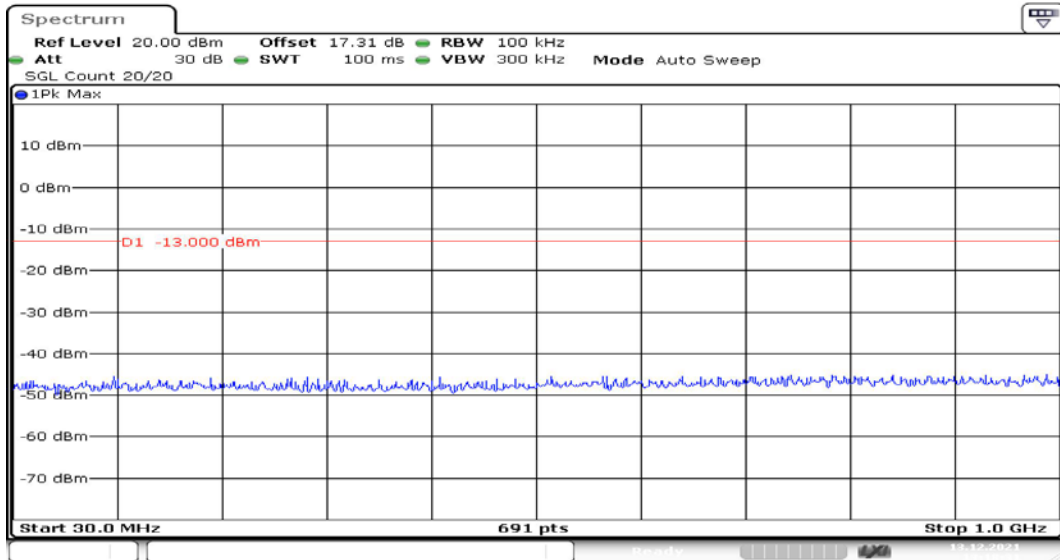
Channel 661



Channel 661

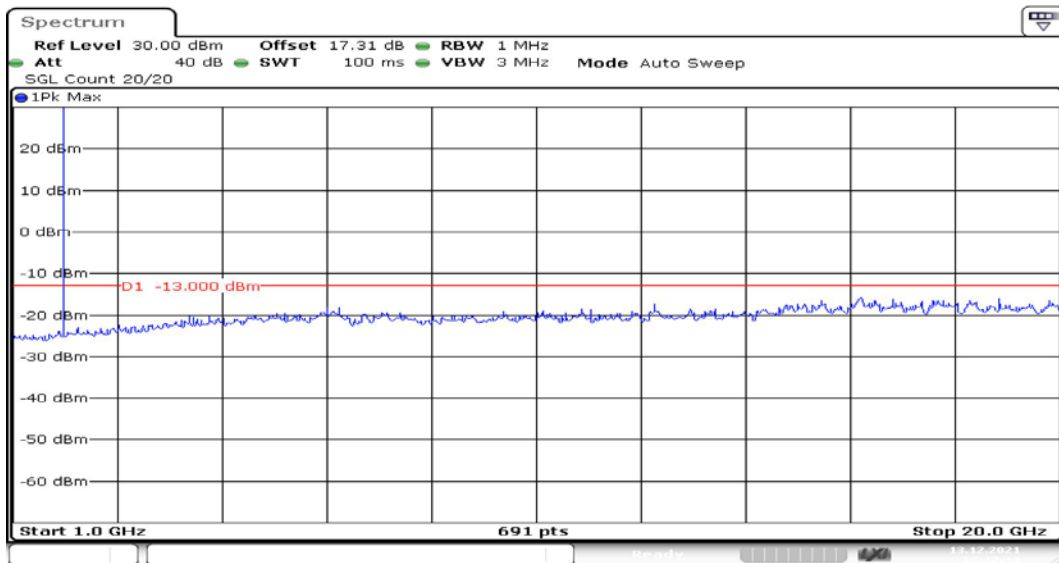


Channel 810



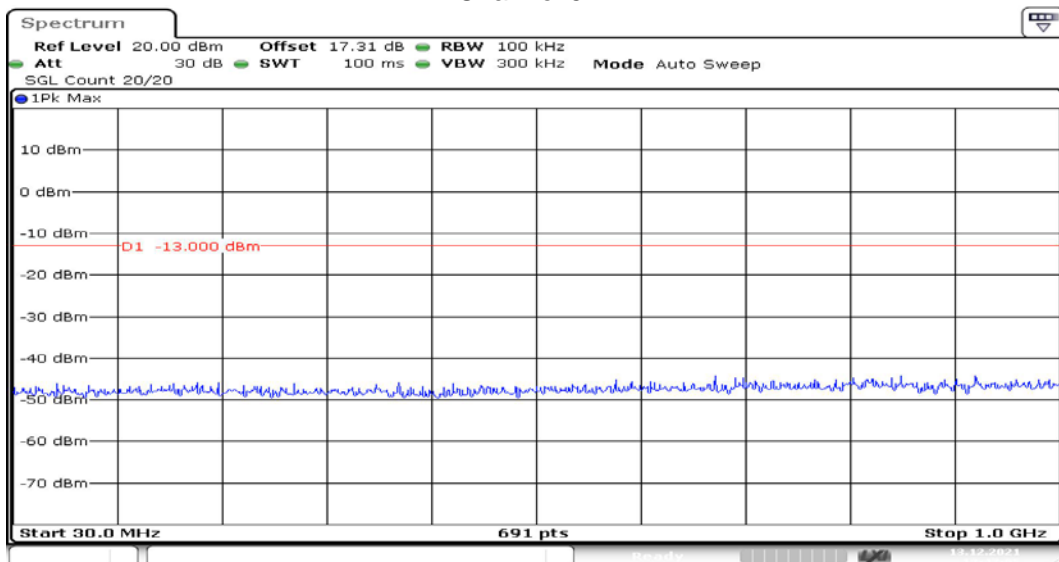
Channel 810

GPRS MODE:



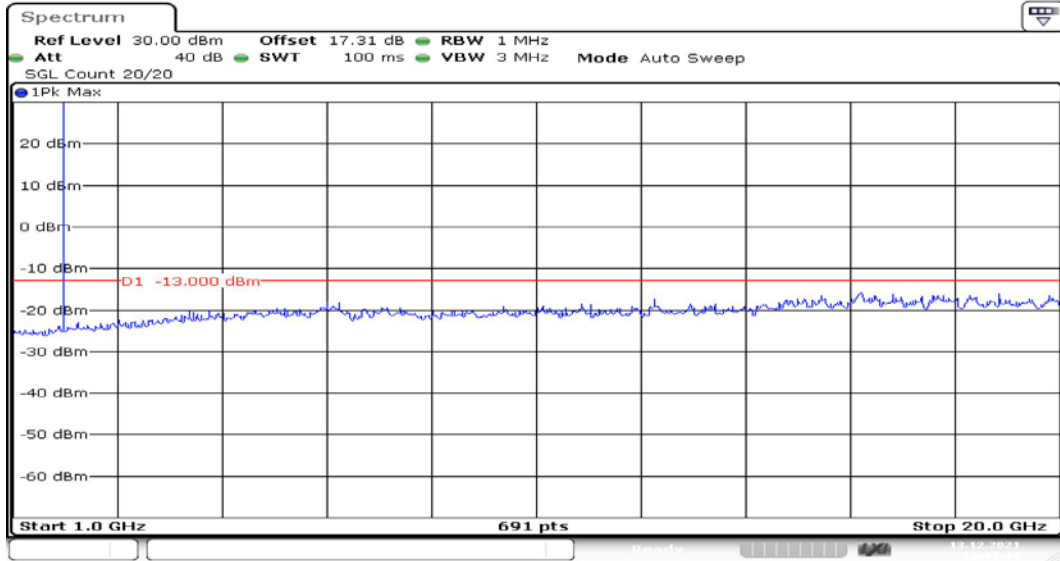
Date: 13.DEC.2021 13:47:14

Channel 512

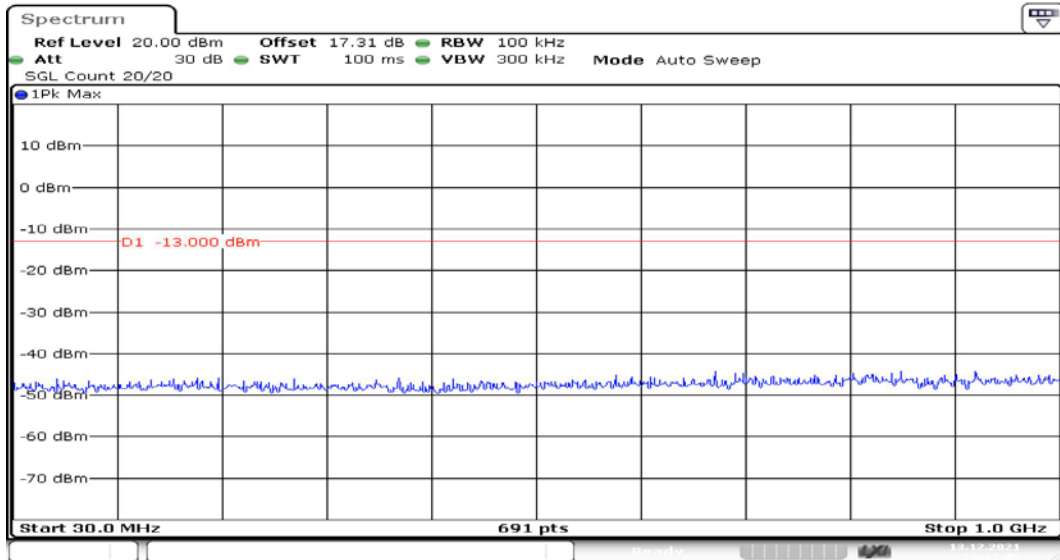


Date: 13.DEC.2021 13:47:05

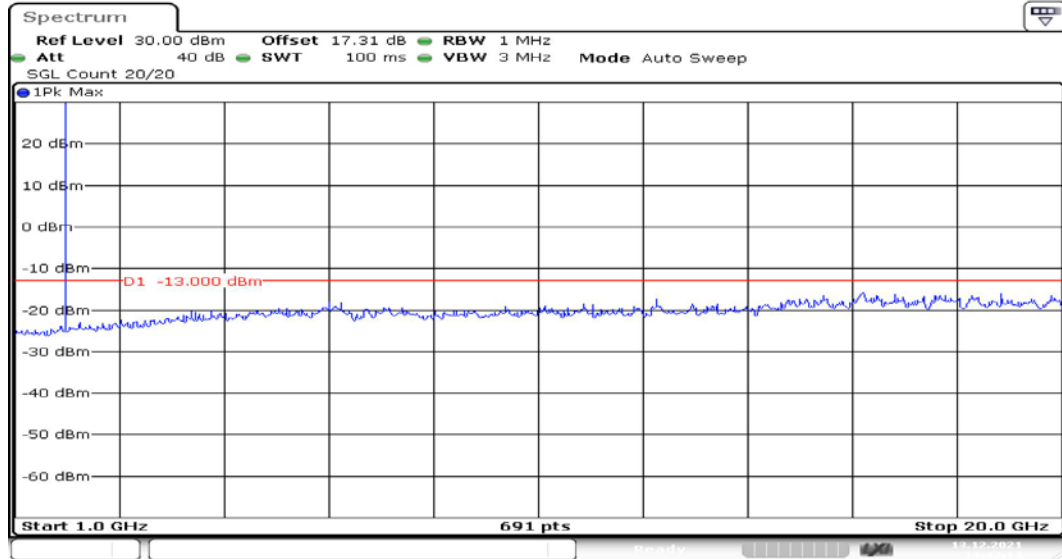
Channel 512



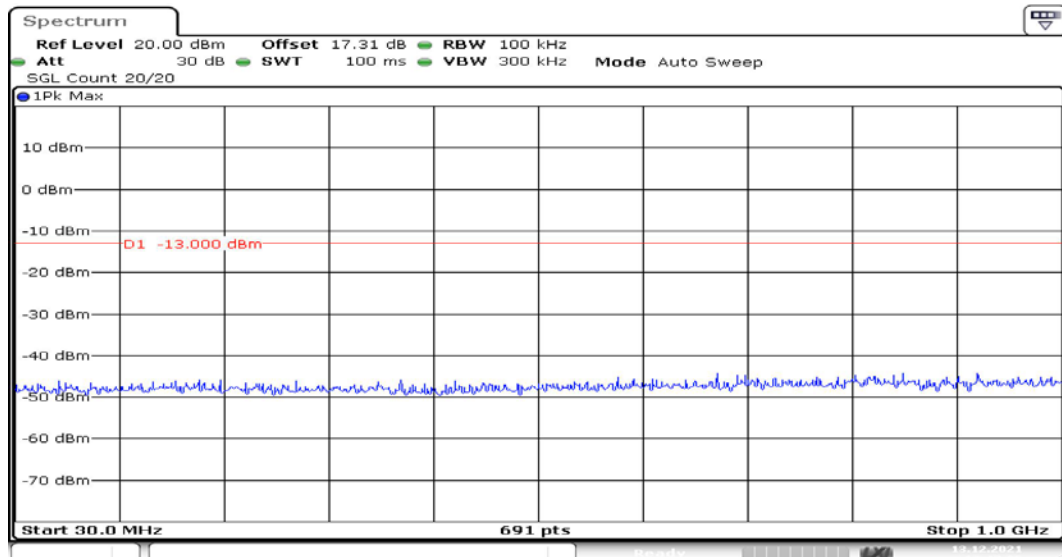
Channel 661



Channel 661

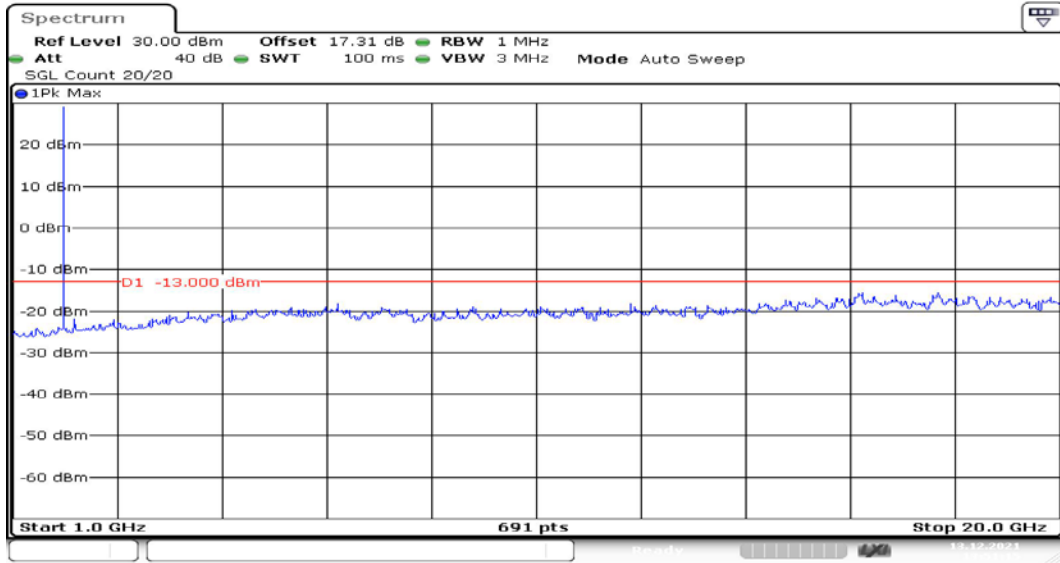


Channel 810



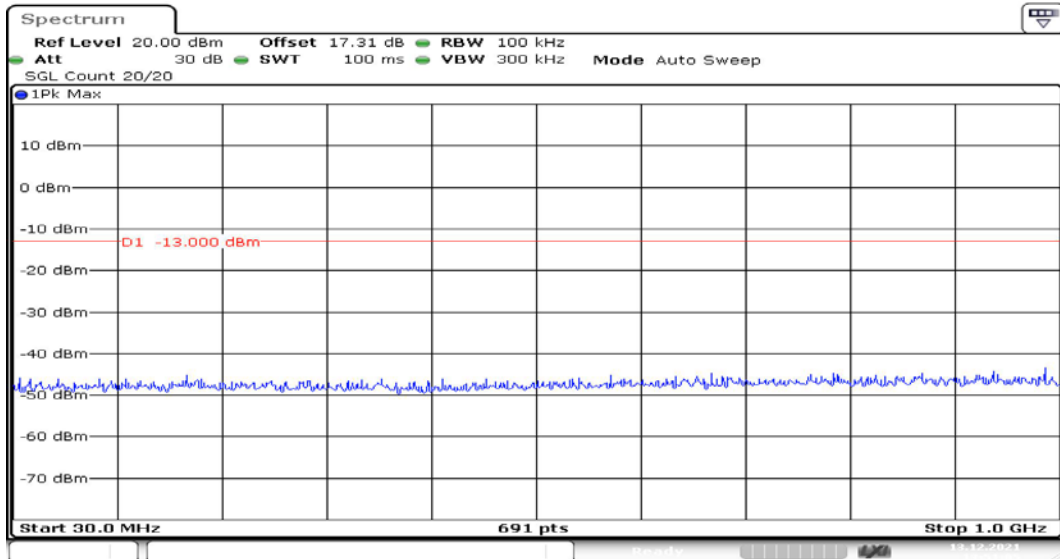
Channel 810

EGPRS (8PSK) MODE:



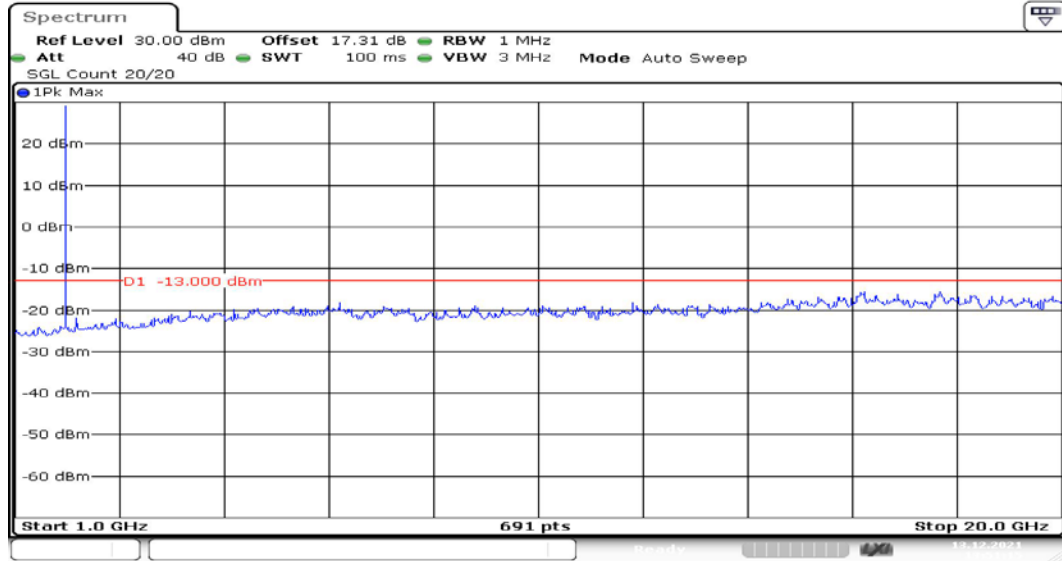
Date: 13.DEC.2021 13:51:15

Channel 512

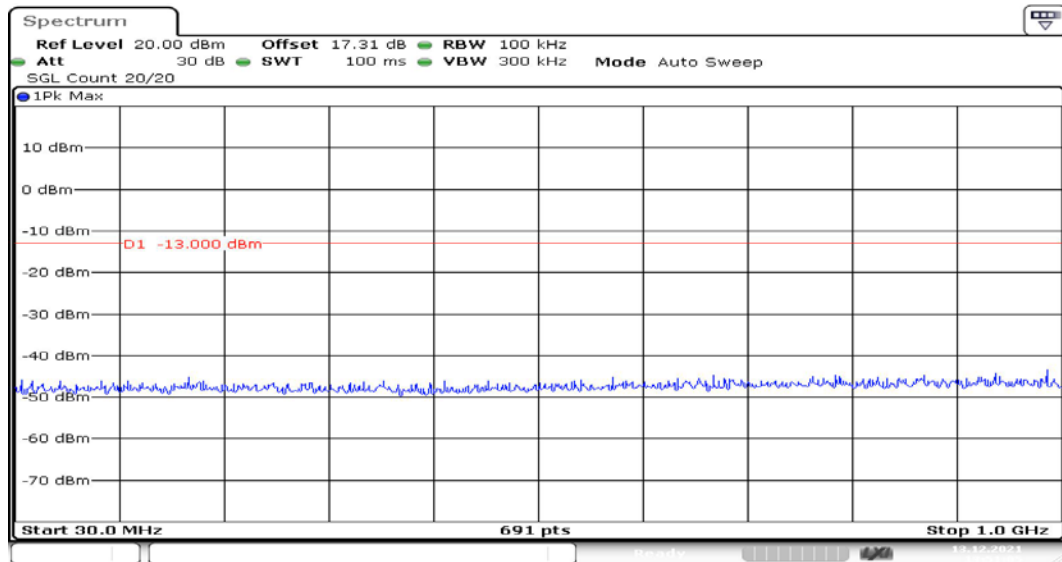


Date: 13.DEC.2021 13:51:06

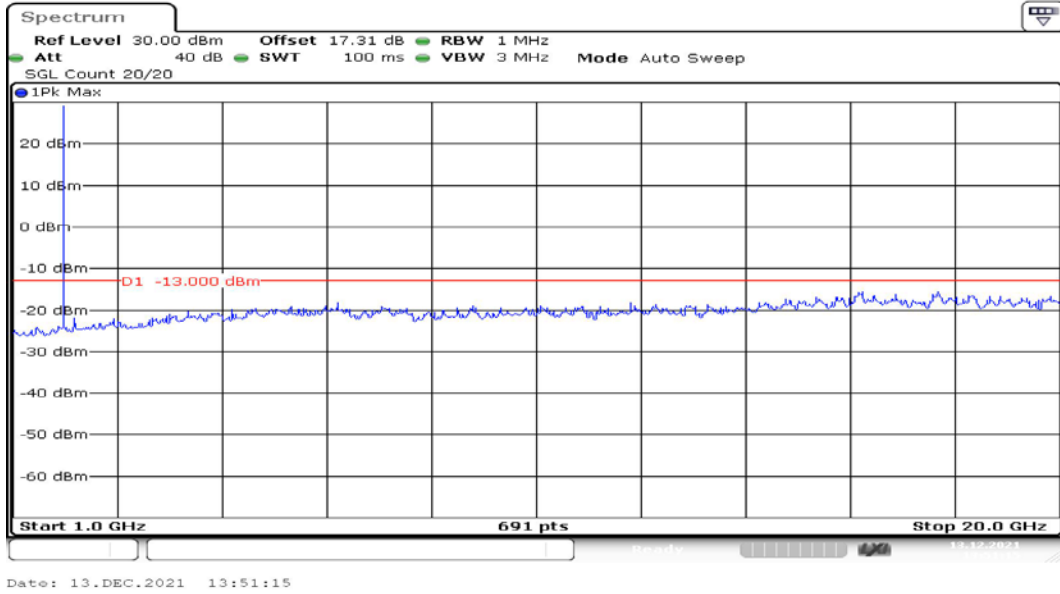
Channel 512



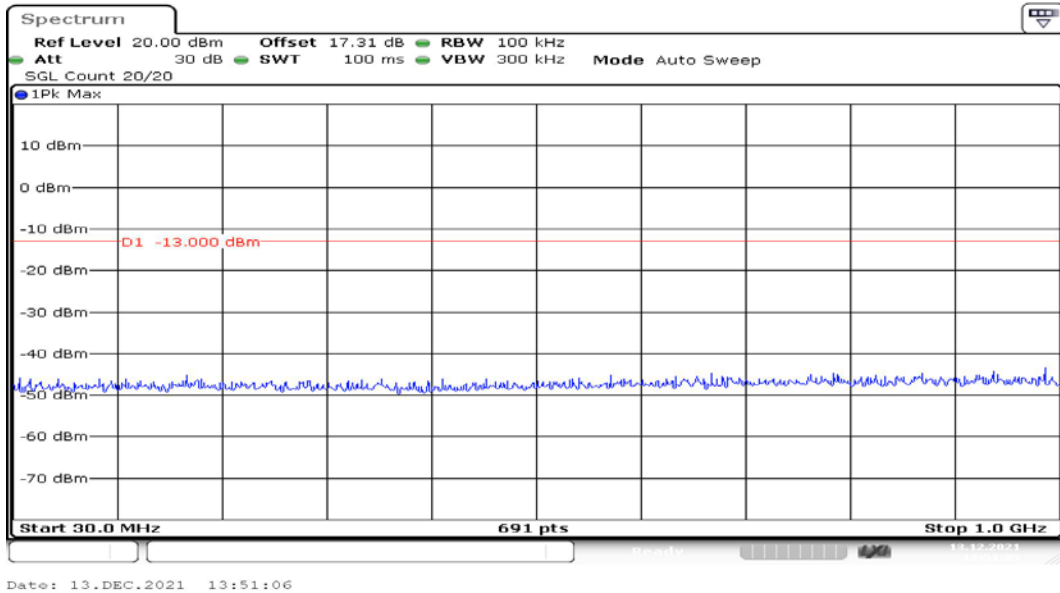
Channel 661



Channel 661

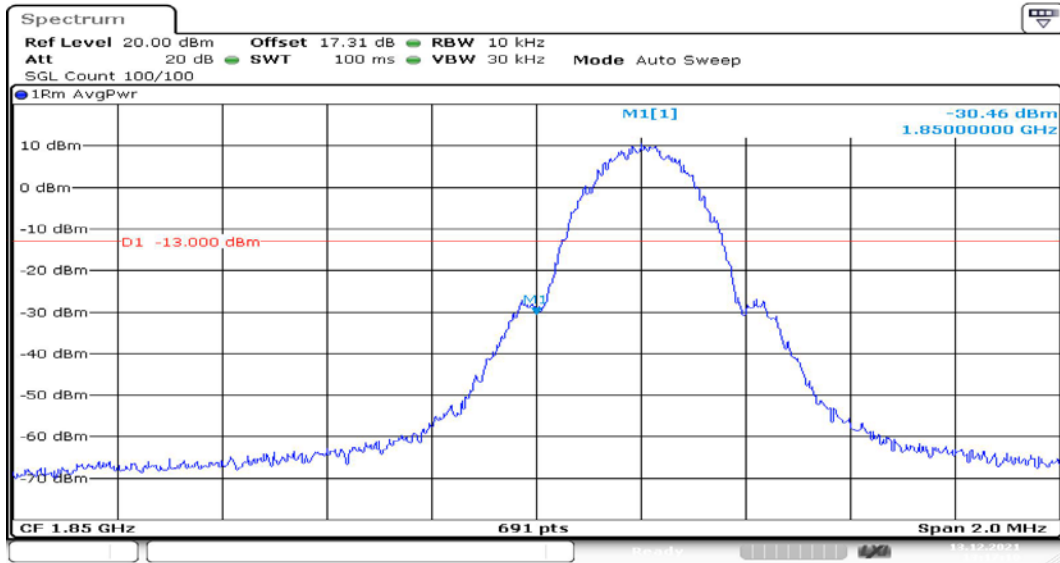


Channel 810

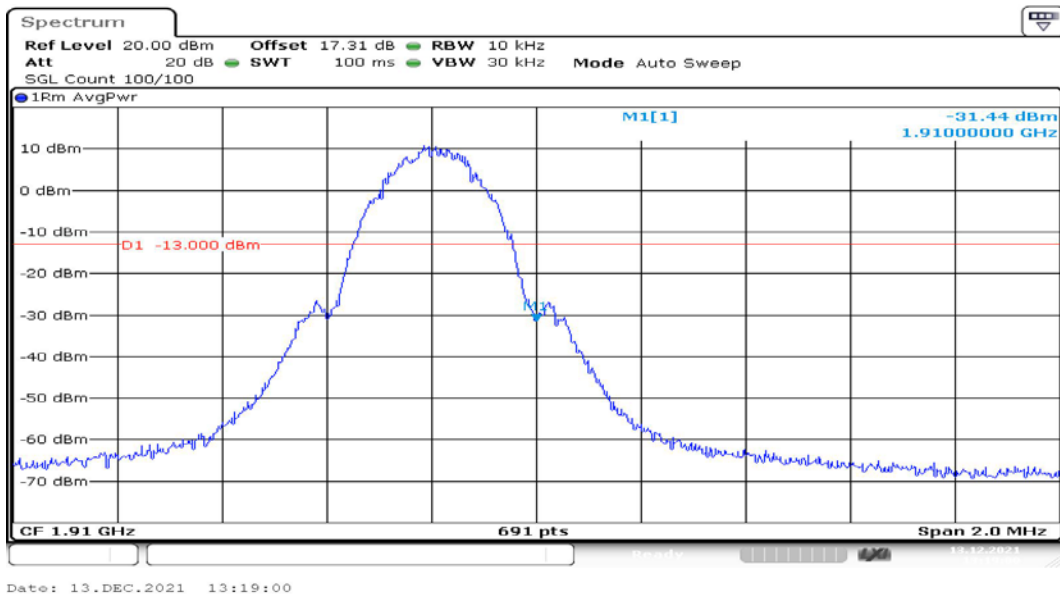


Channel 810

5. Band Edges Compliance
PCS1900
GSM MODE:

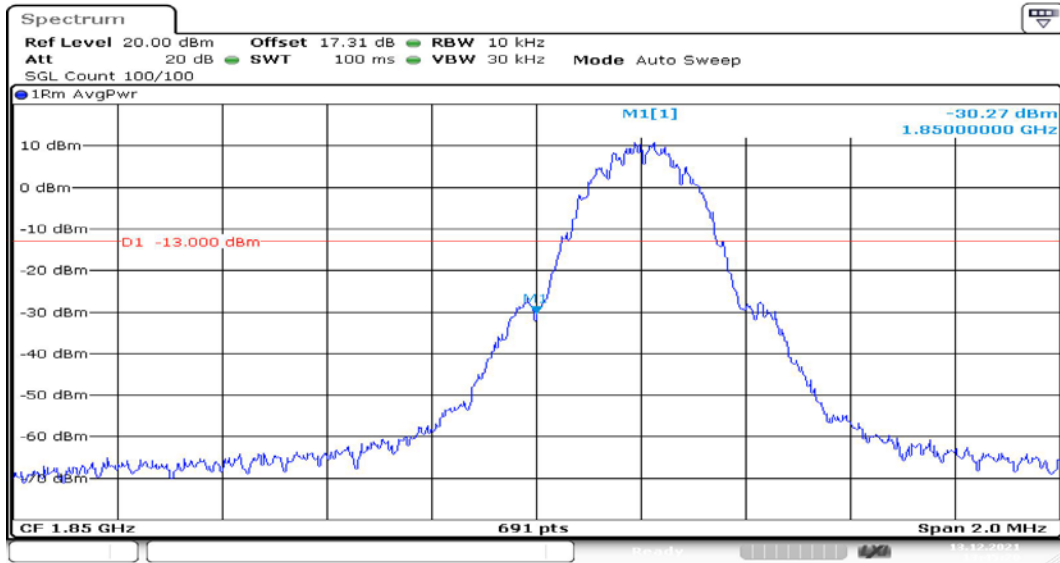


Channel 512

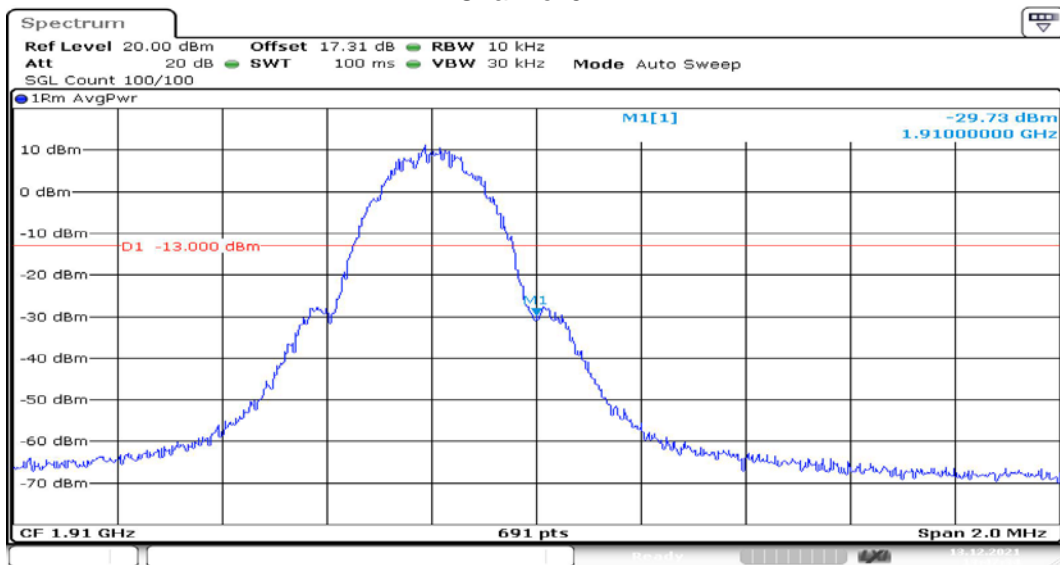


Channel 810

GPRS MODE:

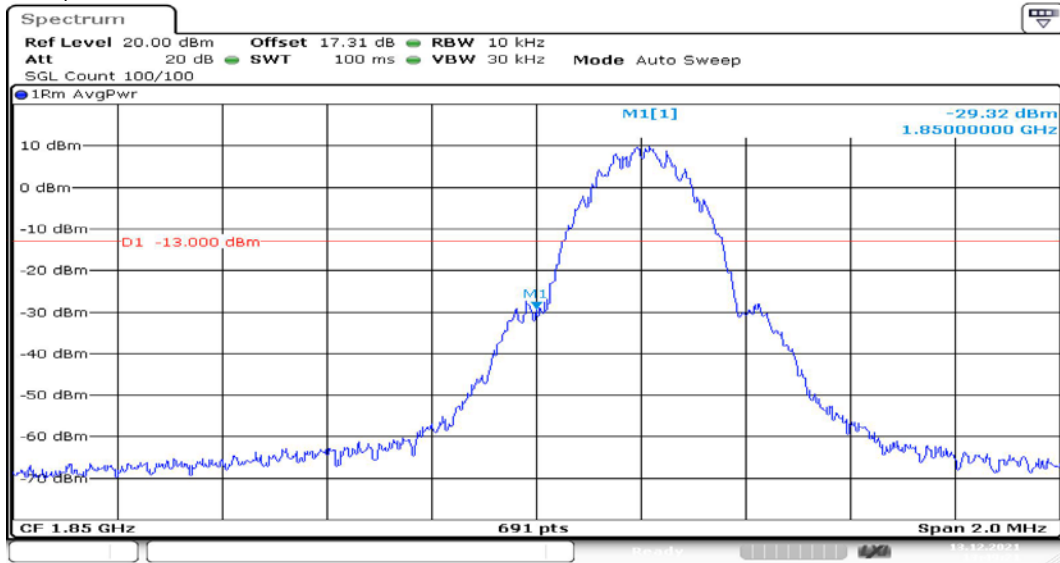


Channel 512



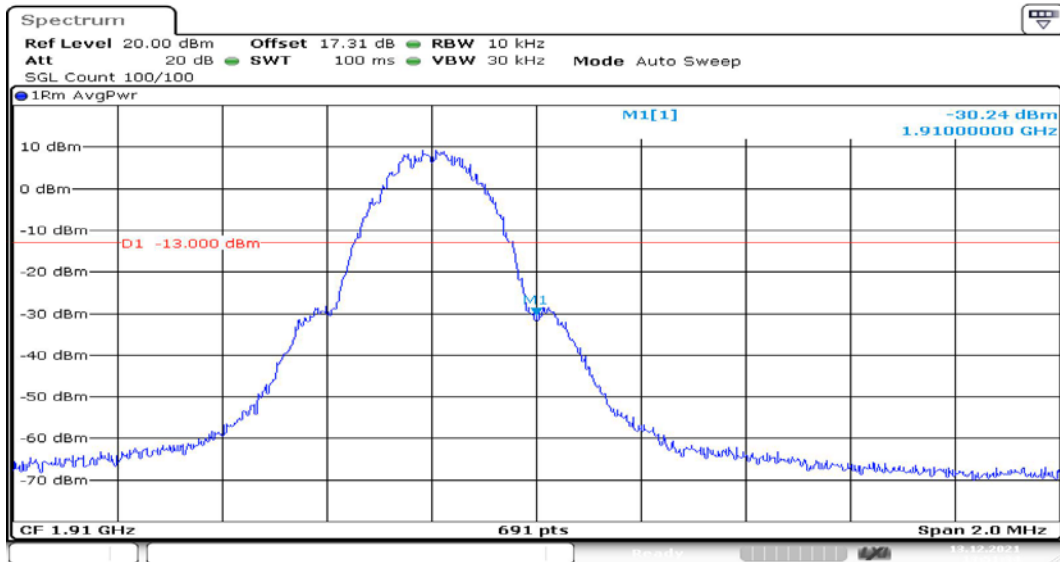
Channel 810

EGPRS (8PSK) MODE:



Date: 13.DEC.2021 13:49:21

Channel 512



Date: 13.DEC.2021 13:51:34

Channel 810

6. Frequency Stability

PCS1900

GSM MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-30	0.001	-0.013	0.001
-20	0.006	-0.009	0.002
-10	0.006	-0.009	-0.001
0	0.001	-0.006	-0.003
+10	0.000	-0.009	-0.003
+30	0.004	-0.008	-0.003
+40	0.002	-0.009	-0.005
+50	0.005	-0.007	-0.010
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	0.004	-0.008	-0.003
HV	0.007	-0.008	0.001

GPRS MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-30	-0.005	0.005	0.003
-20	0.000	0.003	0.006
-10	-0.003	0.000	0.002
0	-0.003	0.006	0.016
+10	0.002	-0.001	0.009
+30	-0.002	0.000	0.009
+40	-0.006	0.000	0.005
+50	-0.002	-0.001	0.007
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	0.008	0.001	0.004
HV	0.005	0.000	0.016

EGPRS (8PSK) MODE:

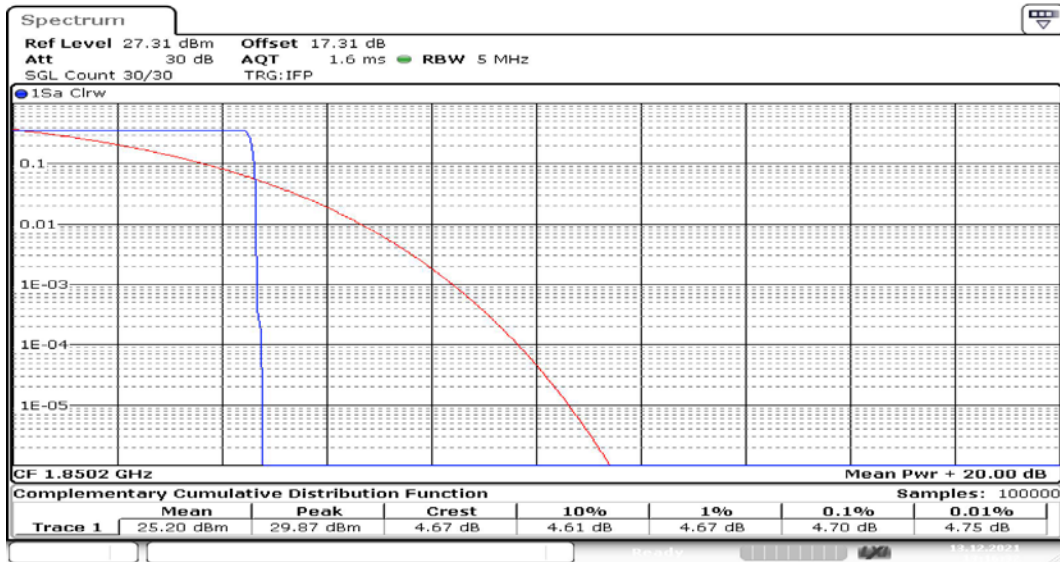
Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-30	-0.003	-0.004	-0.005
-20	-0.003	-0.002	0.003
-10	-0.003	0.002	-0.006
0	-0.003	0.000	-0.003
+10	-0.002	-0.007	-0.005
+30	0.000	-0.001	0.001
+40	0.000	-0.004	-0.002

+50	0.000	-0.003	-0.003
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	-0.006	-0.003	-0.001
HV	-0.004	0.003	0.001

7. Peak-Average Ratio

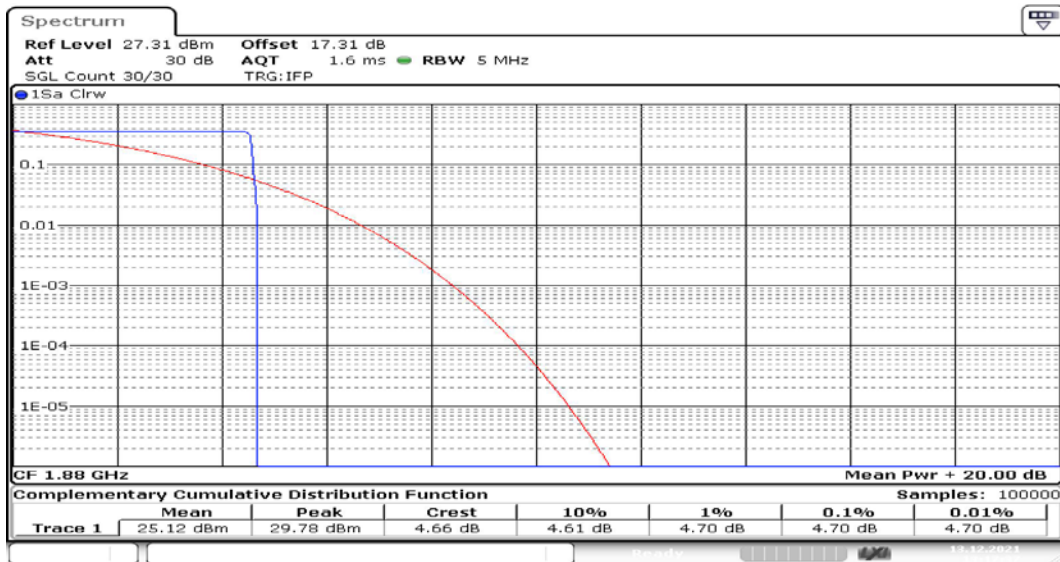
PCS1900

GSM MODE:



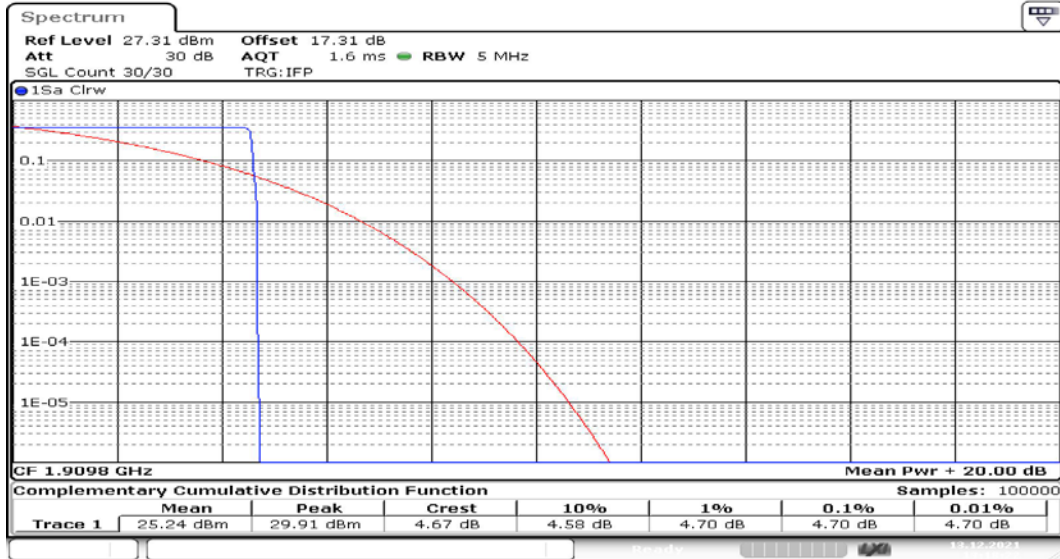
Date: 13.DEC.2021 13:16:32

Channel 512



Date: 13.DEC.2021 13:17:37

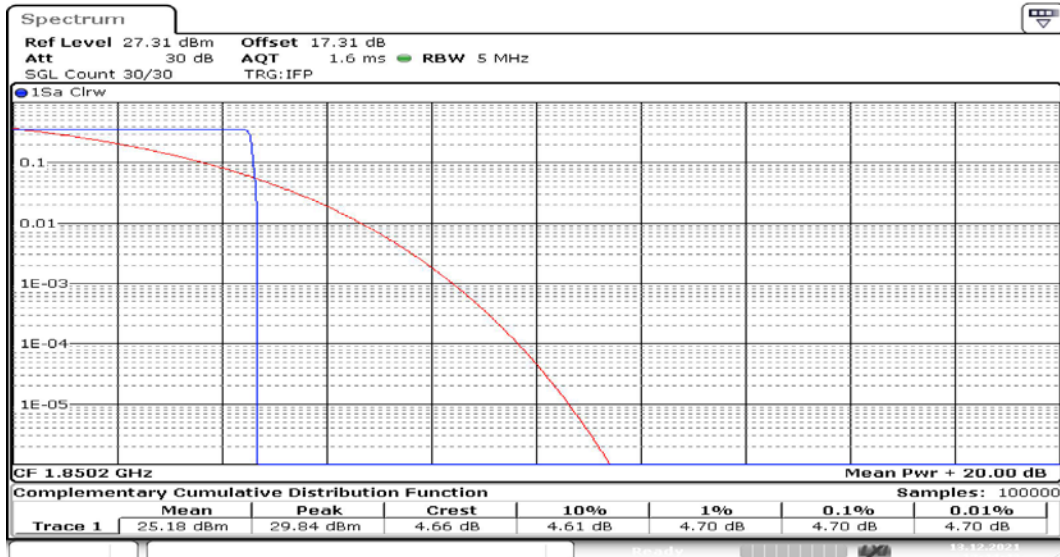
Channel 661



Date: 13.DEC.2021 13:18:22

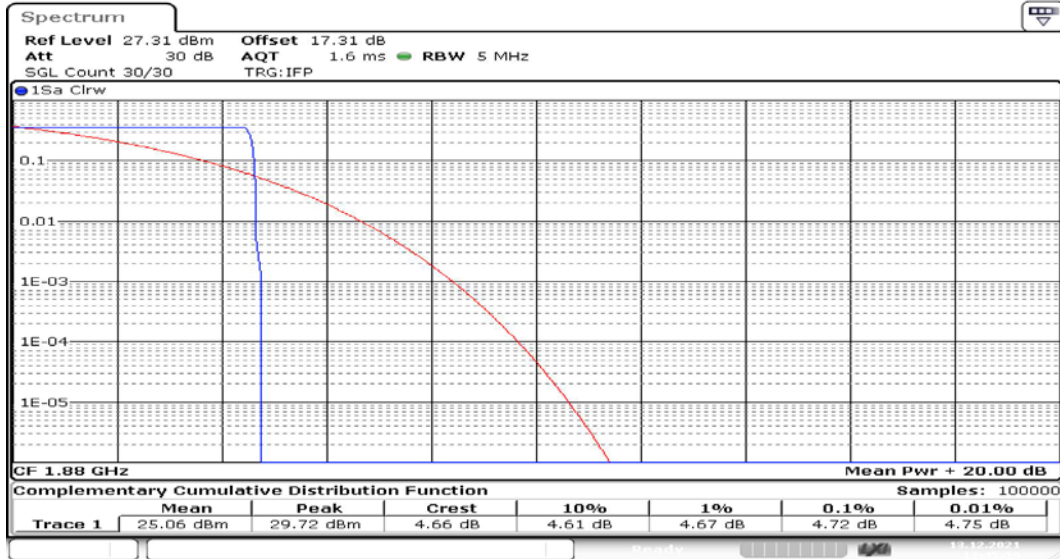
Channel 810

GPRS MODE:



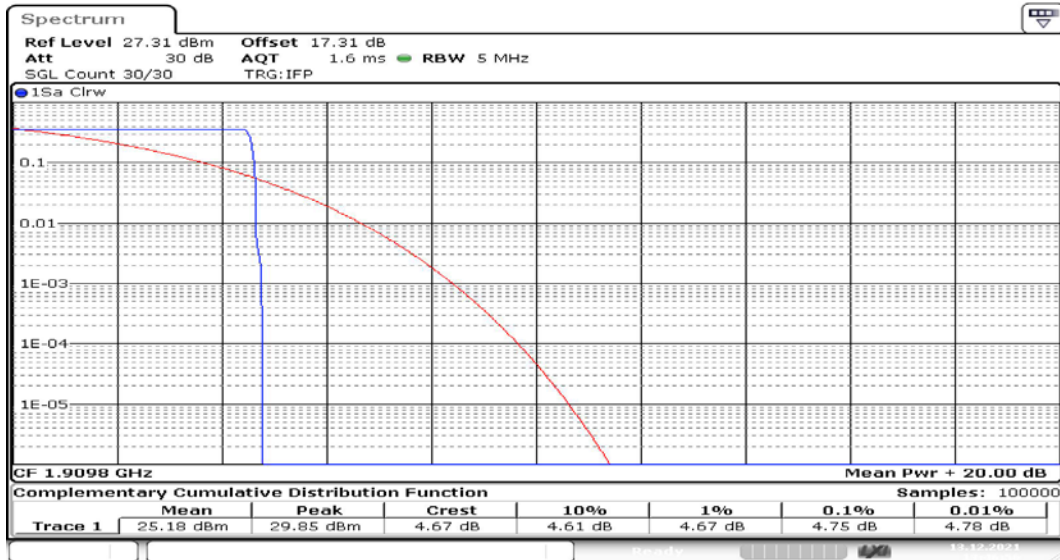
Date: 13.DEC.2021 13:44:43

Channel 512



Date: 13.DEC.2021 13:45:59

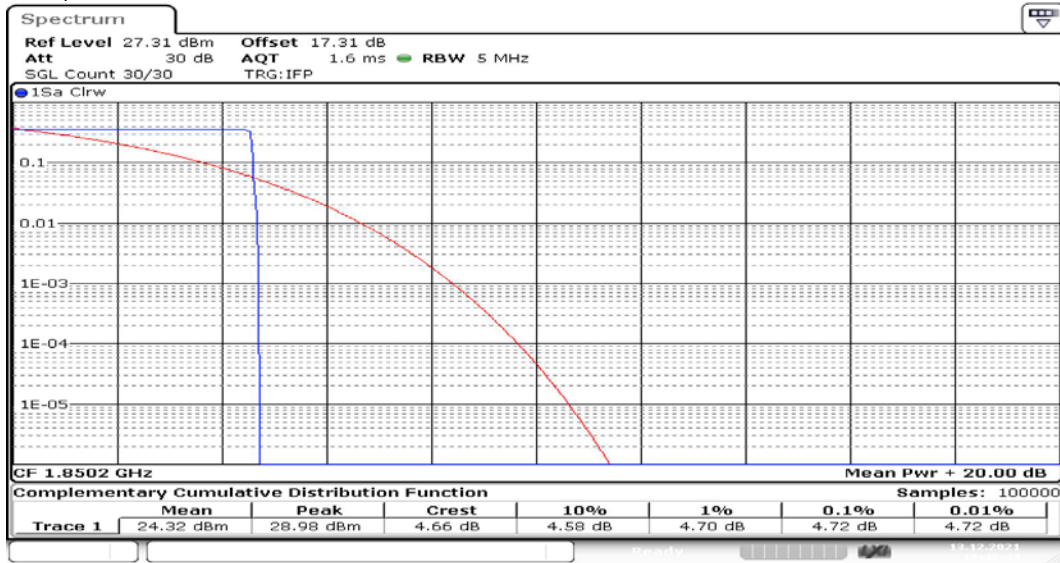
Channel 661



Date: 13.DEC.2021 13:46:56

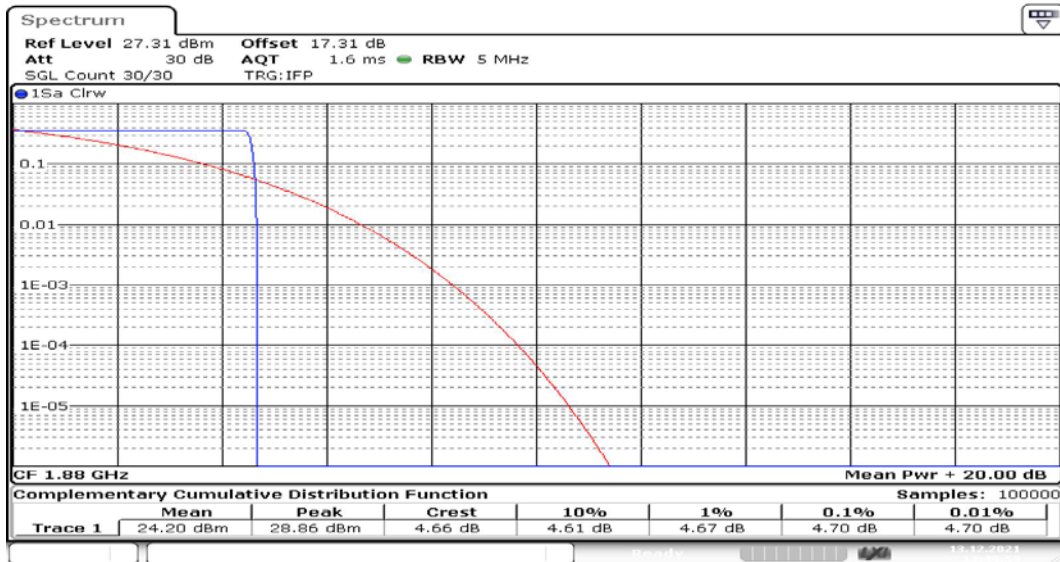
Channel 810

EGPRS (8PSK) MODE:



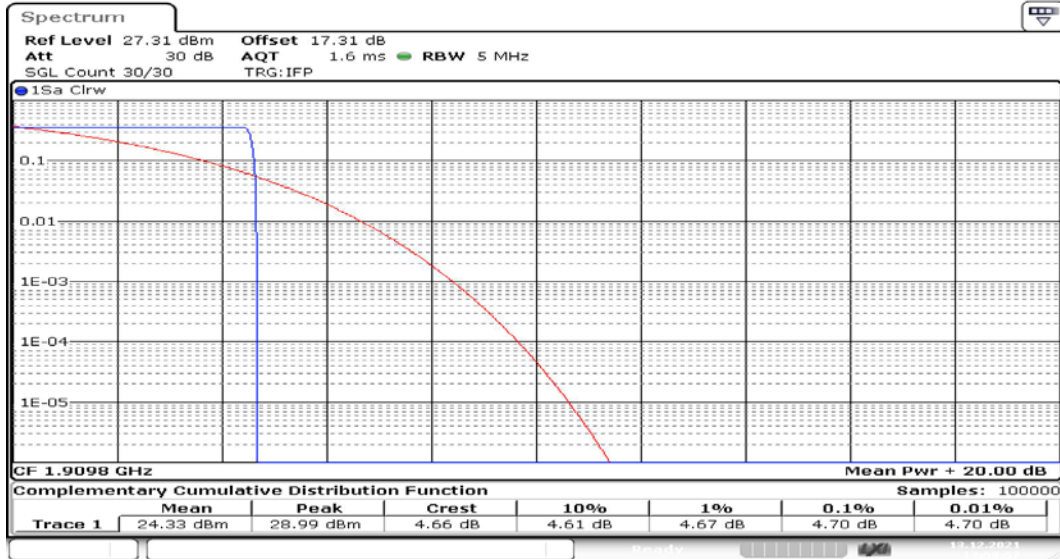
Date: 13.DEC.2021 13:48:44

Channel 512



Date: 13.DEC.2021 13:50:00

Channel 661



Date: 13.DEC.2021 13:50:57

Channel 810

8. Effective Radiated Power and Effective Isotropic Radiated Power

PCS1900

GSM Measured Power:

Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	30.45	29.86	0.968
1880	661	30.27	29.68	0.929
1909.8	810	30.39	29.80	0.955

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	4Down1Up	30.36	29.77	0.948
1880	661		30.17	29.58	0.908
1909.8	810		30.27	29.68	0.929
1850.2	512	3Down2Up	28.36	27.77	0.598
1880	661		27.90	27.31	0.538
1909.8	810		27.81	27.22	0.527
1850.2	512	2Down3Up	26.78	26.19	0.416
1880	661		26.30	25.71	0.372
1909.8	810		26.17	25.58	0.361
1850.2	512	1Down4Up	24.77	24.18	0.262
1880	661		24.29	23.70	0.234
1909.8	810		24.14	23.55	0.226

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	4Down1Up	29.49	28.90	0.776
1880	661		29.32	28.73	0.746
1909.8	810		29.43	28.84	0.766
1850.2	512	3Down2Up	28.39	27.80	0.603
1880	661		28.08	27.49	0.561
1909.8	810		28.07	27.48	0.560
1850.2	512	2Down3Up	26.82	26.23	0.420
1880	661		26.50	25.91	0.390
1909.8	810		26.44	25.85	0.385
1850.2	512	1Down4Up	24.92	24.33	0.271
1880	661		24.55	23.96	0.249
1909.8	810		24.46	23.87	0.244

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Spurious Emissions

850 Test result:

Test result:
GSM/GPRS MODE Channel 128:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.85	-52.61	-13	Vertical
1666.99	-51.68	-13	Vertical
2533.50	-44.20	-13	Vertical
2575.46	-43.71	-13	Vertical
8962.62	-39.87	-13	Vertical
9973.22	-36.11	-13	Vertical

EDGE (8PSK) MODE Channel 128:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.41	-52.69	-13	Vertical
1665.64	-51.70	-13	Vertical
2534.42	-44.73	-13	Vertical
2576.45	-44.35	-13	Vertical
8962.05	-39.10	-13	Vertical
9972.79	-36.54	-13	Vertical

GSM/GPRS MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.55	-52.69	-13	Vertical
1668.43	-51.57	-13	Vertical
2535.77	-44.54	-13	Vertical
2577.33	-43.75	-13	Vertical
8962.01	-39.57	-13	Vertical
9972.28	-36.53	-13	Vertical

EDGE (8PSK) MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.01	-52.88	-13	Vertical
1667.03	-51.67	-13	Vertical
2536.14	-44.40	-13	Vertical
2578.52	-44.37	-13	Vertical
8962.40	-39.08	-13	Vertical
9972.74	-36.46	-13	Vertical

GSM/GPRS MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.25	-52.87	-13	Vertical
1665.03	-51.11	-13	Vertical
2534.27	-43.87	-13	Vertical
2575.85	-43.99	-13	Vertical
8962.61	-39.19	-13	Vertical
9973.22	-35.95	-13	Vertical

EDGE (8PSK) MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.09	-52.88	-13	Vertical
1665.33	-51.25	-13	Vertical
2533.24	-43.91	-13	Vertical
2577.64	-43.76	-13	Vertical
8964.05	-39.96	-13	Vertical
9972.23	-36.16	-13	Vertical

1900:

Test result:

GSM/GPRS MODE Channel 512

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.22	-49.03	-13	Vertical
2781.62	-47.12	-13	Vertical
3728.13	-40.54	-13	Vertical
6677.74	-39.27	-13	Vertical
9962.57	-37.22	-13	Vertical
17821.85	-33.83	-13	Vertical

EDGE (8PSK) MODE Channel 512:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.69	-48.72	-13	Vertical
2780.63	-47.31	-13	Vertical
3724.76	-41.05	-13	Vertical
6677.80	-39.39	-13	Vertical
9962.03	-37.50	-13	Vertical
17819.02	-33.95	-13	Vertical

GSM/GPRS MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.64	-48.53	-13	Vertical

2778.64	-46.89	-13	Vertical
3728.27	-41.15	-13	Vertical
6676.24	-40.04	-13	Vertical
9960.12	-36.78	-13	Vertical
17821.98	-33.87	-13	Vertical

EDGE (8PSK) MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.26	-49.30	-13	Vertical
2780.38	-47.81	-13	Vertical
3724.96	-41.20	-13	Vertical
6678.31	-39.51	-13	Vertical
9962.46	-36.92	-13	Vertical
17821.17	-34.23	-13	Vertical

GSM/GPRS MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.54	-49.34	-13	Vertical
2779.29	-47.75	-13	Vertical
3727.55	-40.96	-13	Vertical
6676.64	-39.45	-13	Vertical
9960.53	-36.94	-13	Vertical
17819.55	-34.27	-13	Vertical

EDGE (8PSK) MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.48	-48.92	-13	Vertical
2779.20	-47.40	-13	Vertical
3727.79	-40.78	-13	Vertical
6675.34	-39.73	-13	Vertical
9961.27	-37.30	-13	Vertical
17820.22	-33.85	-13	Vertical

---End of Test Report---