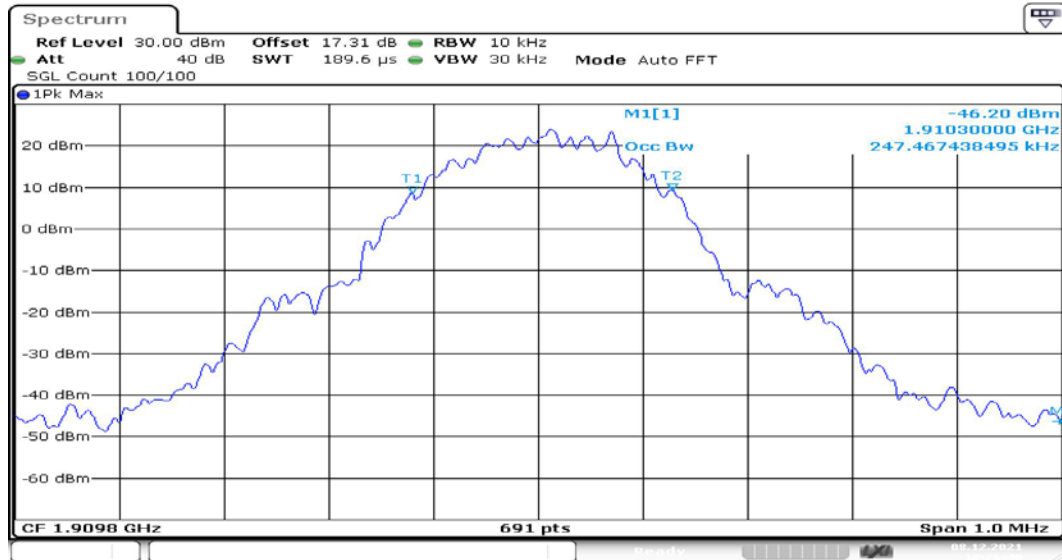
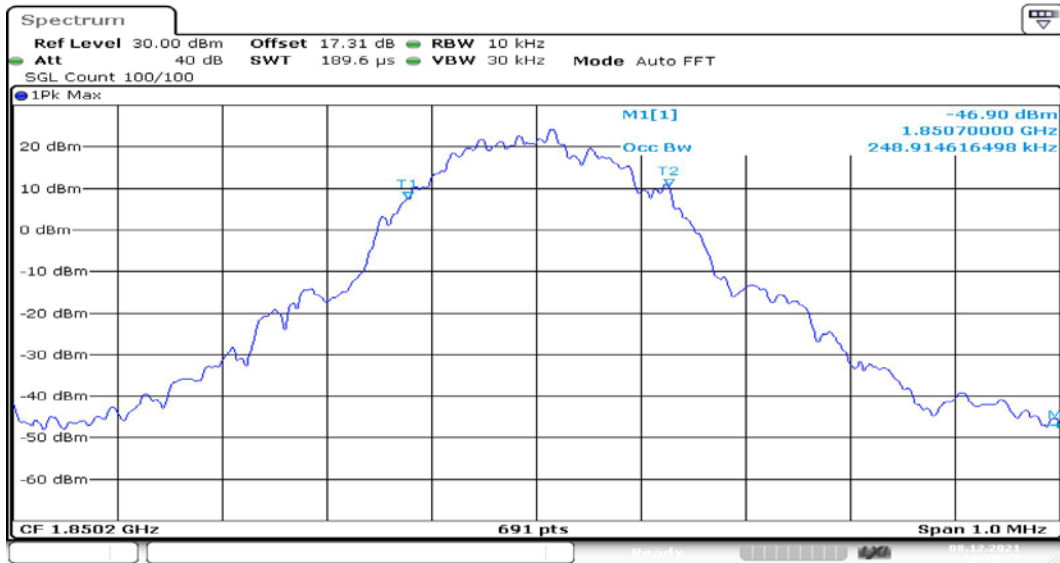


Channel 661

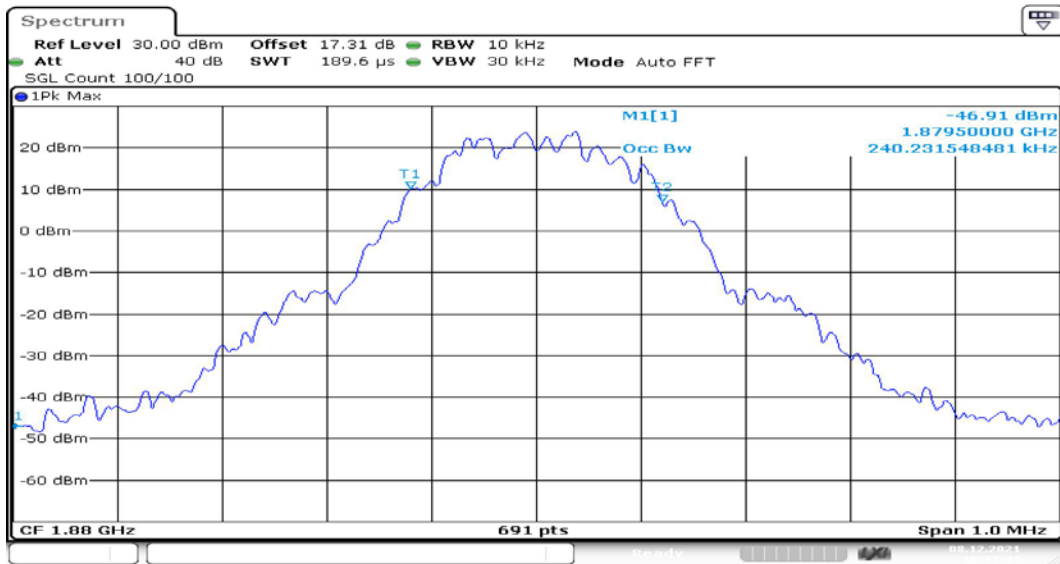


Channel 810

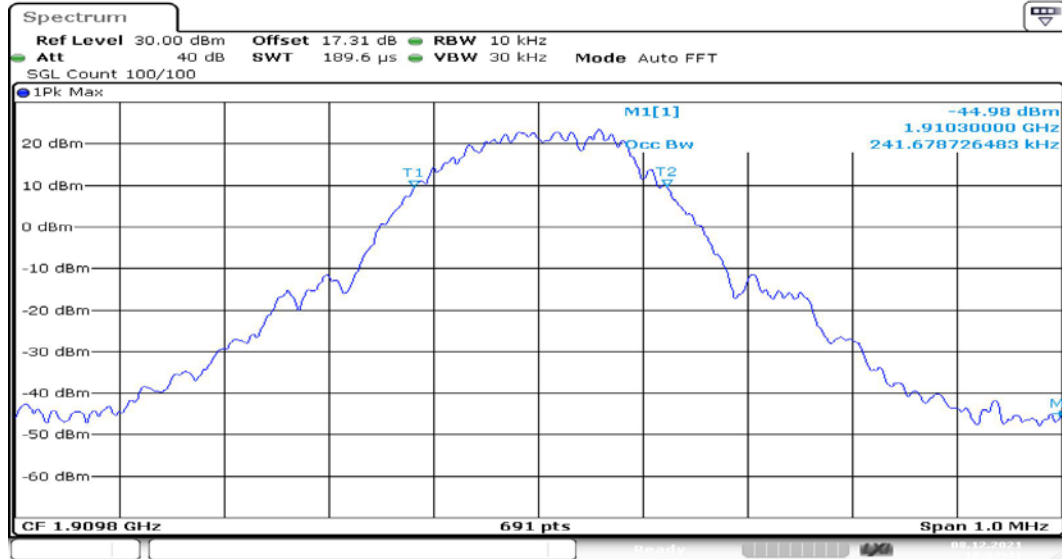
GPRS MODE:



Channel 512



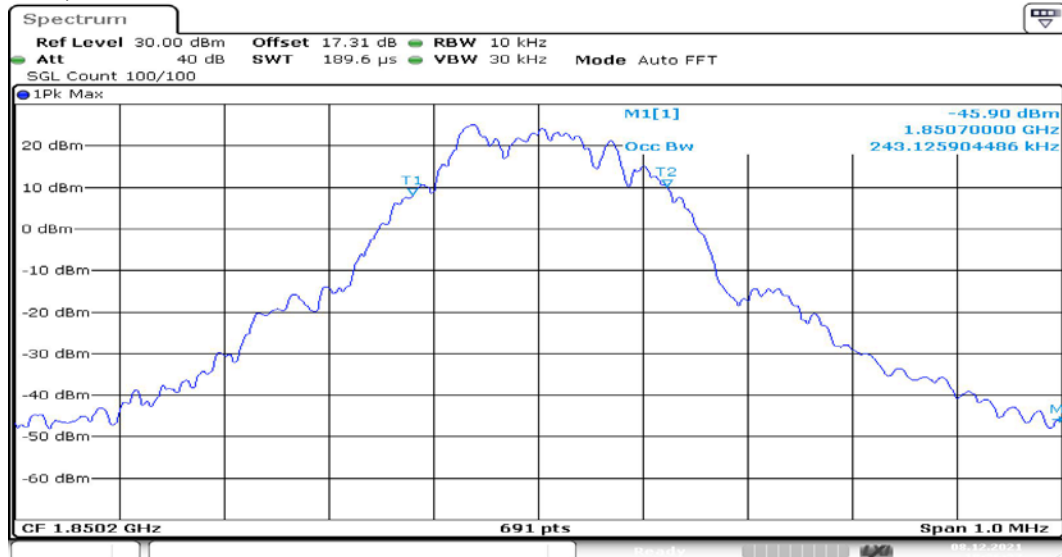
Channel 661



Date: 8.DEC.2021 18:32:41

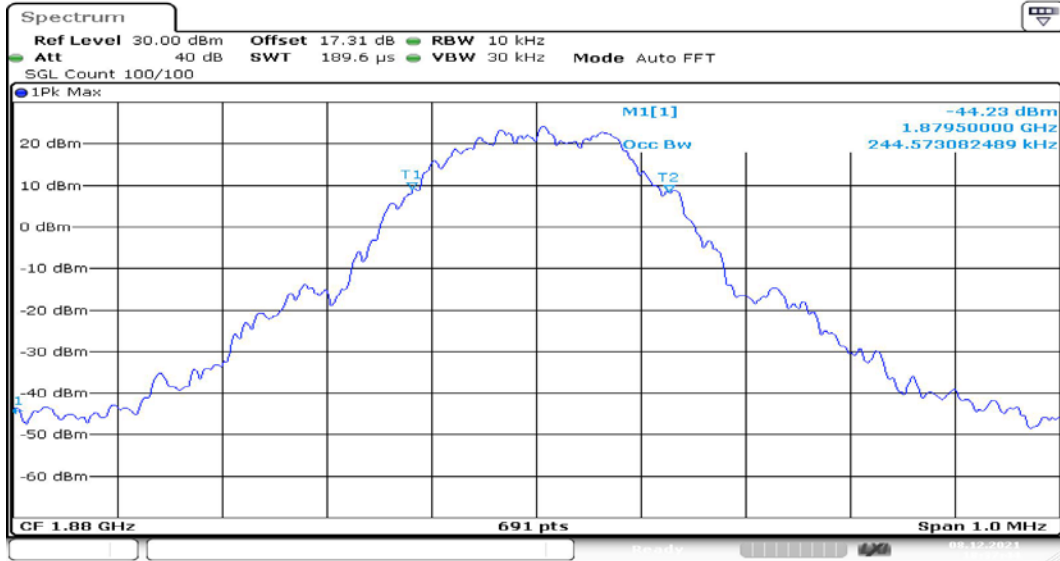
Channel 810

EGPRS (8PSK) MODE:

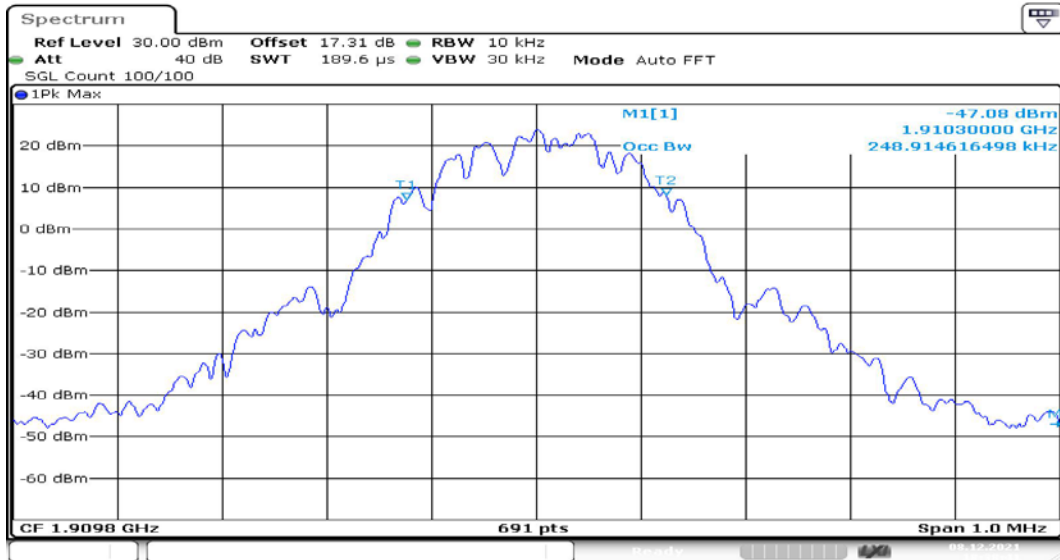


Date: 8.DEC.2021 18:36:27

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	299.60
1880	661	301.00
1909.8	810	302.50

GPRS MODE:

Carrier frequency (MHz)	Channel No.	Bandwidth of -26dB (kHz)
1850.2	512	319.80
1880	661	318.40
1909.8	810	314.00

EGPRS (8PSK) MODE:

Carrier frequency (MHz)	Channel No.	Bandwidth of -26dB transmitter power(kHz)
1850.2	512	311.10
1880	661	301.00
1909.8	810	303.90

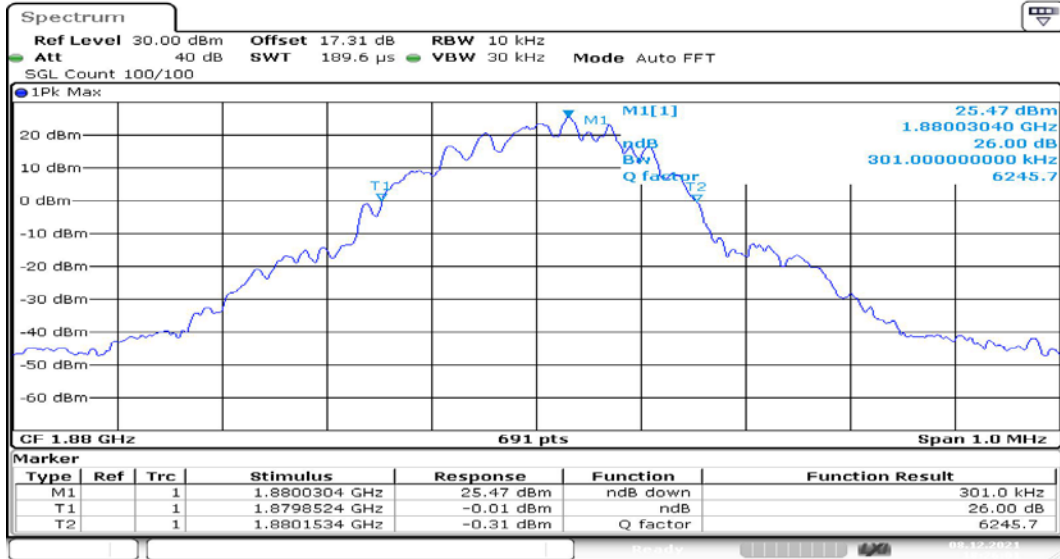
PCS1900

GSM MODE:



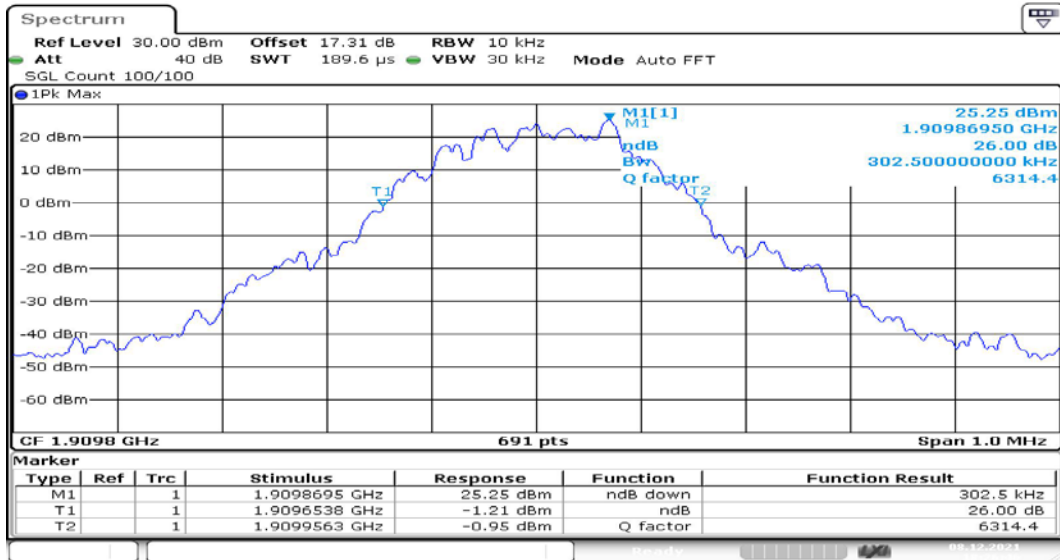
Date: 8.DEC.2021 18:24:56

Channel 512



Date: 8.DEC.2021 18:26:01

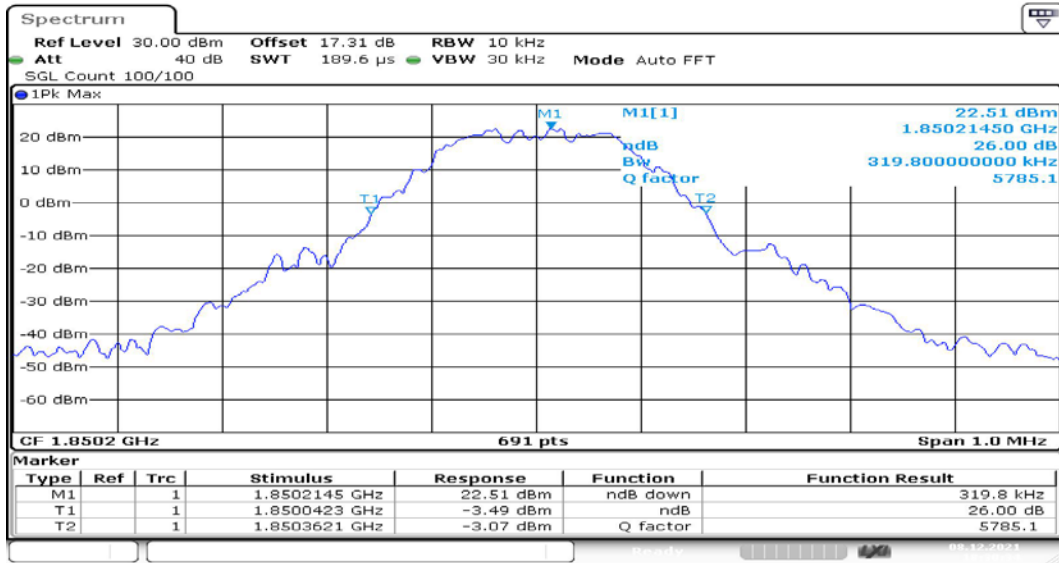
Channel 661



Date: 8.DEC.2021 18:26:46

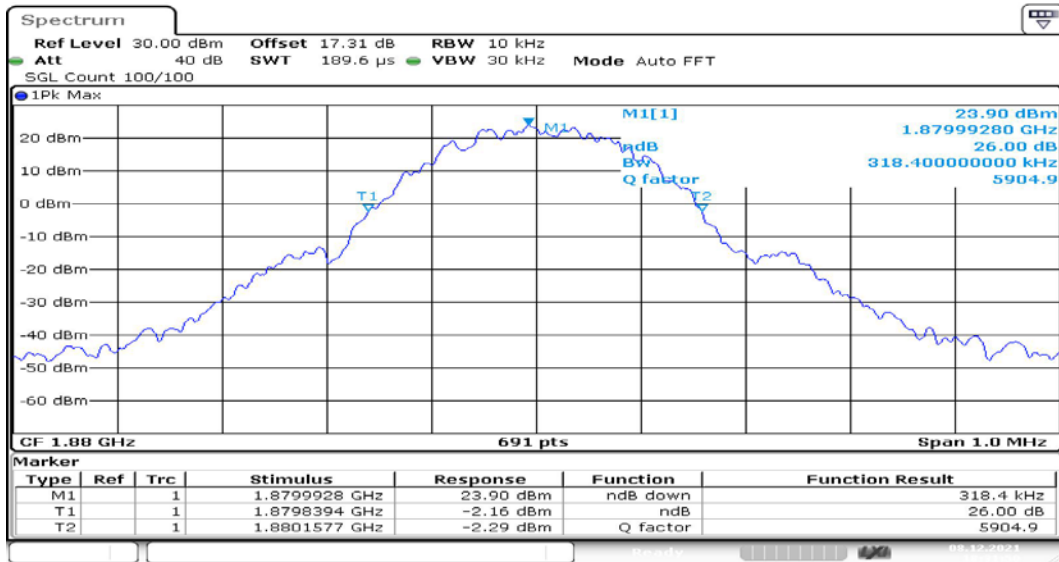
Channel 810

GPRS MODE:



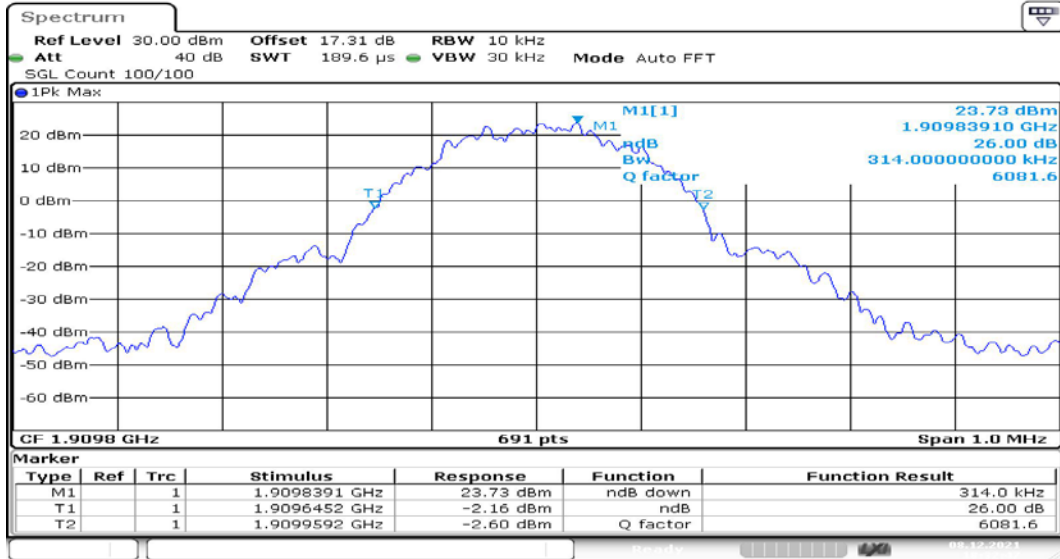
Date: 8.DEC.2021 18:30:34

Channel 512



Date: 8.DEC.2021 18:31:50

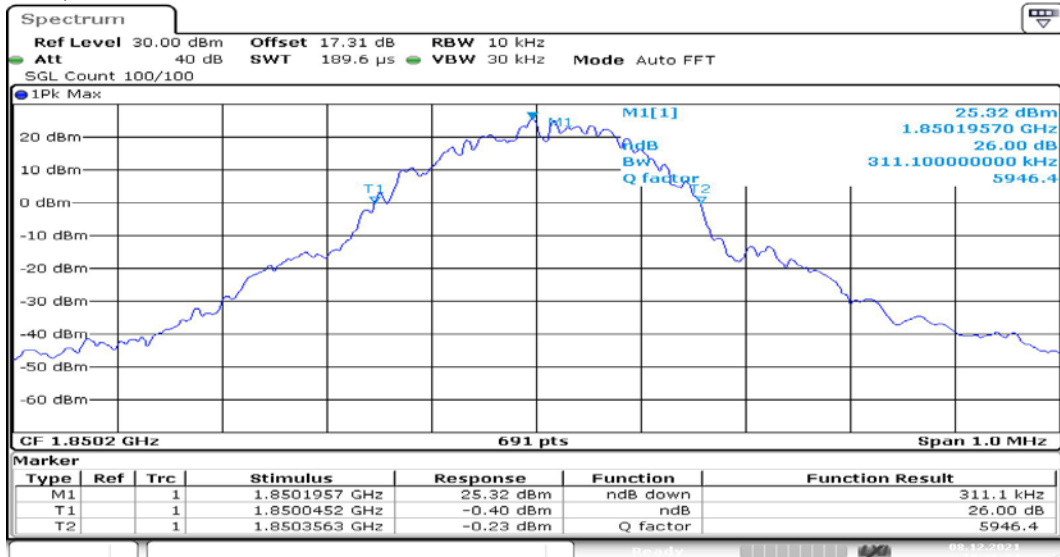
Channel 661



Date: 8.DEC.2021 18:32:47

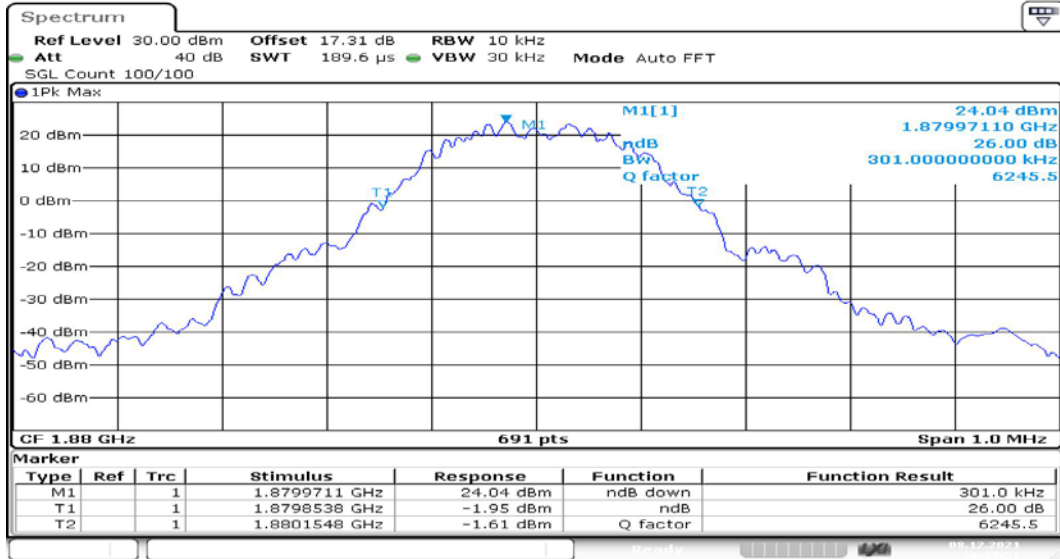
Channel 810

EGPRS (8PSK) MODE:

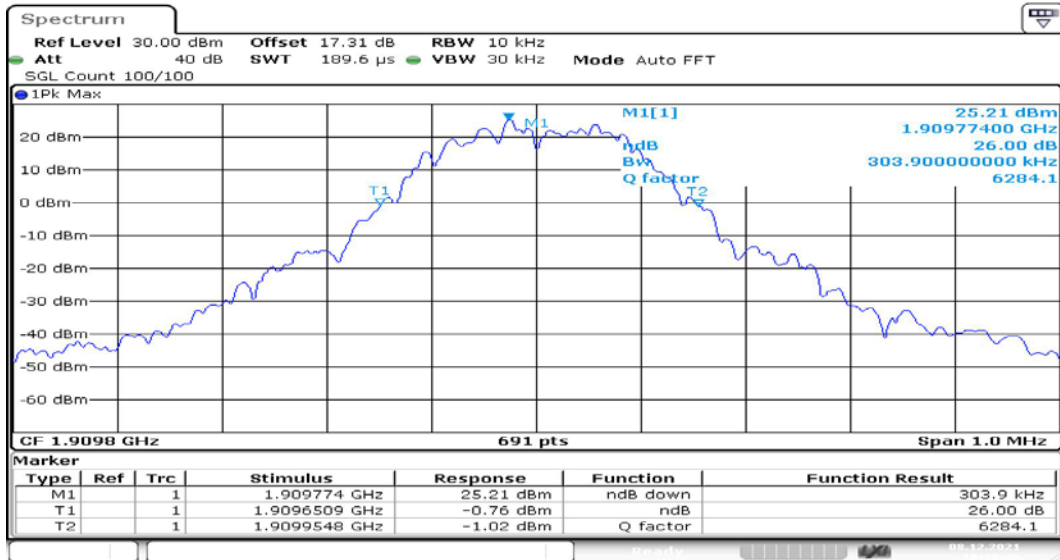


Date: 8.DEC.2021 18:36:34

Channel 512

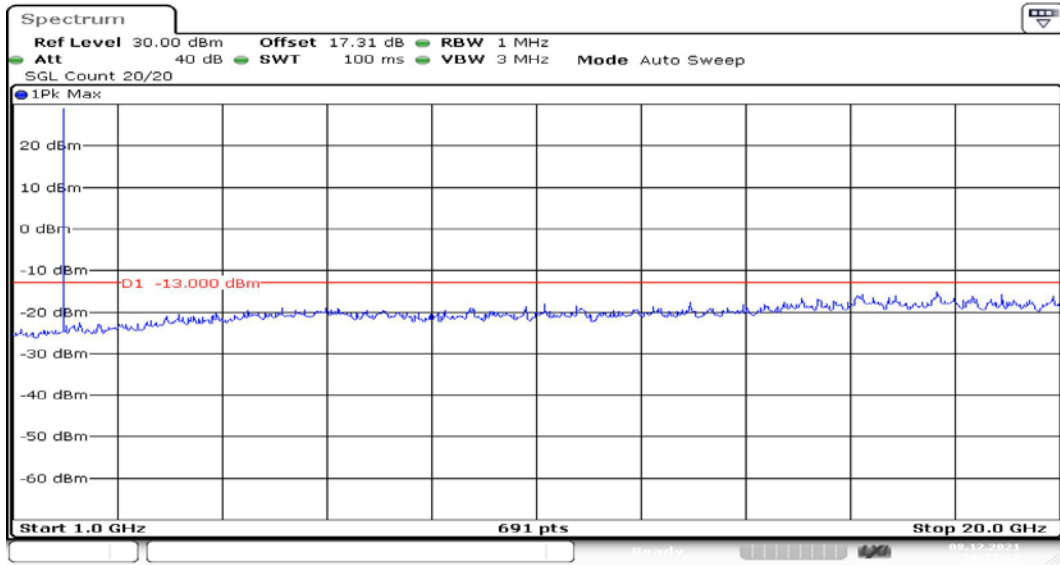


Channel 661

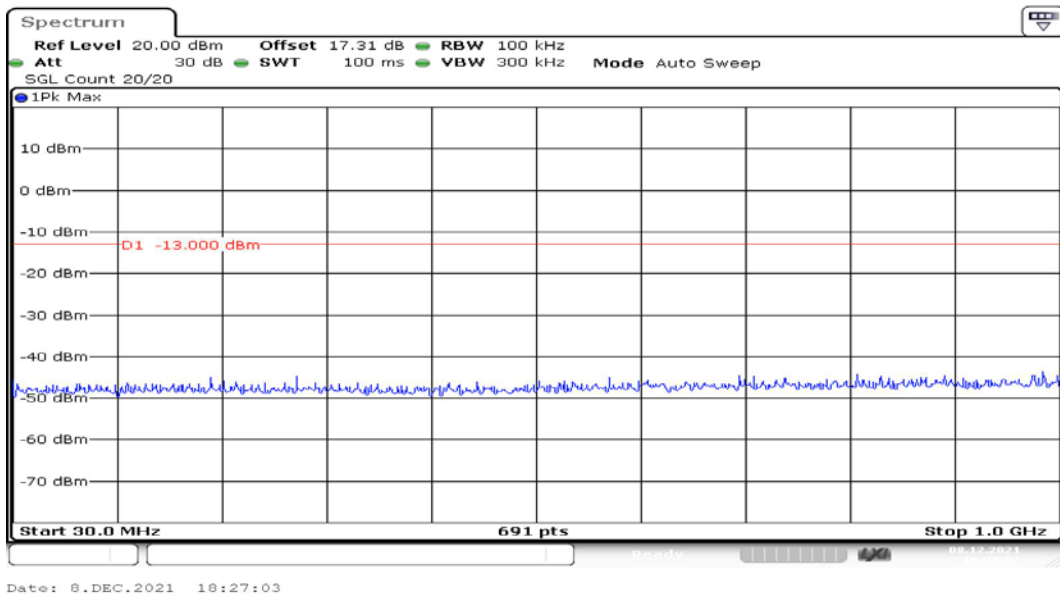


Channel 810

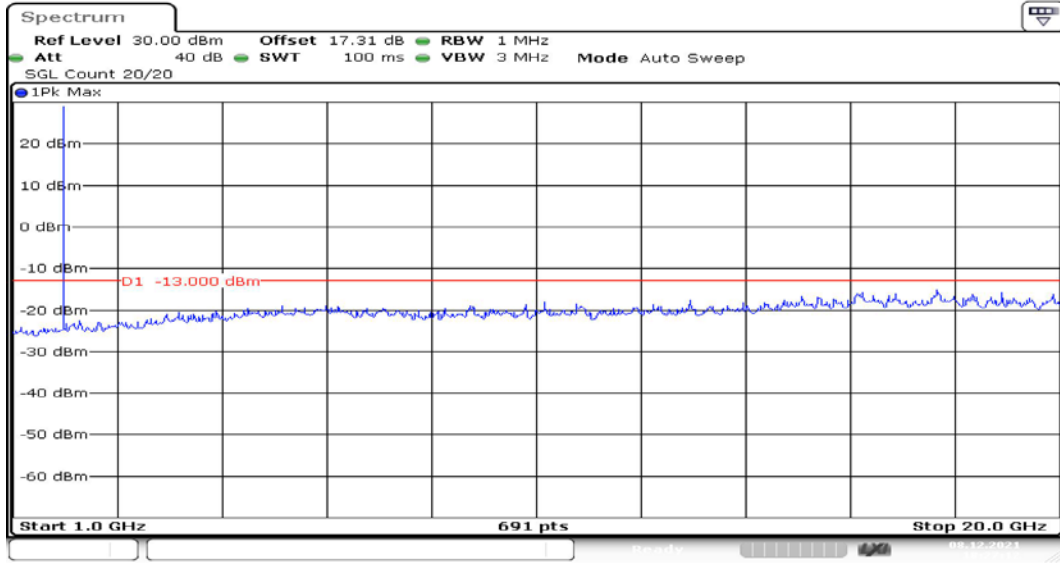
4. Spurious Emissions at antenna terminal
PCS1900
GSM MODE:



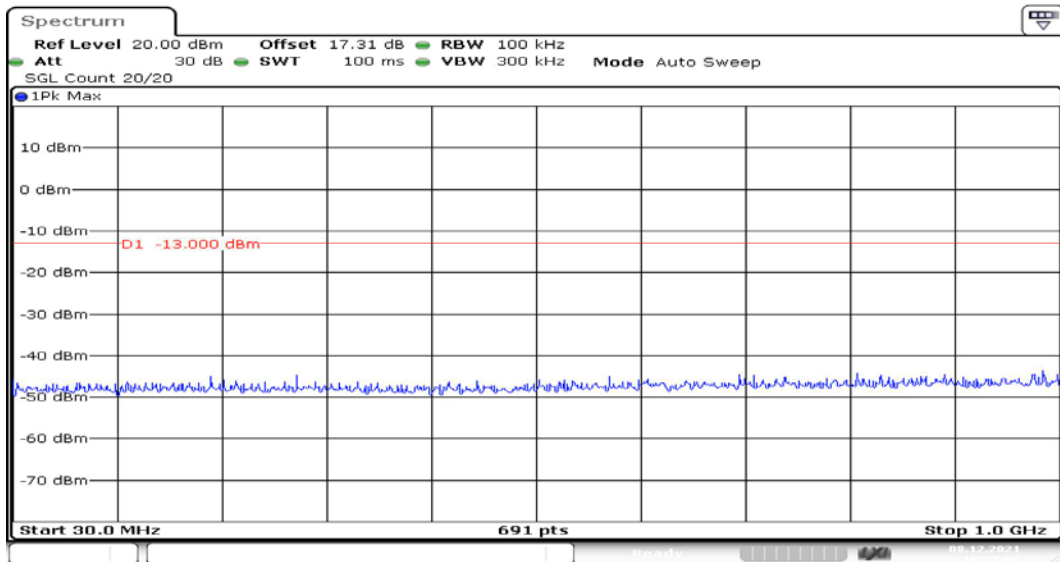
Channel 512



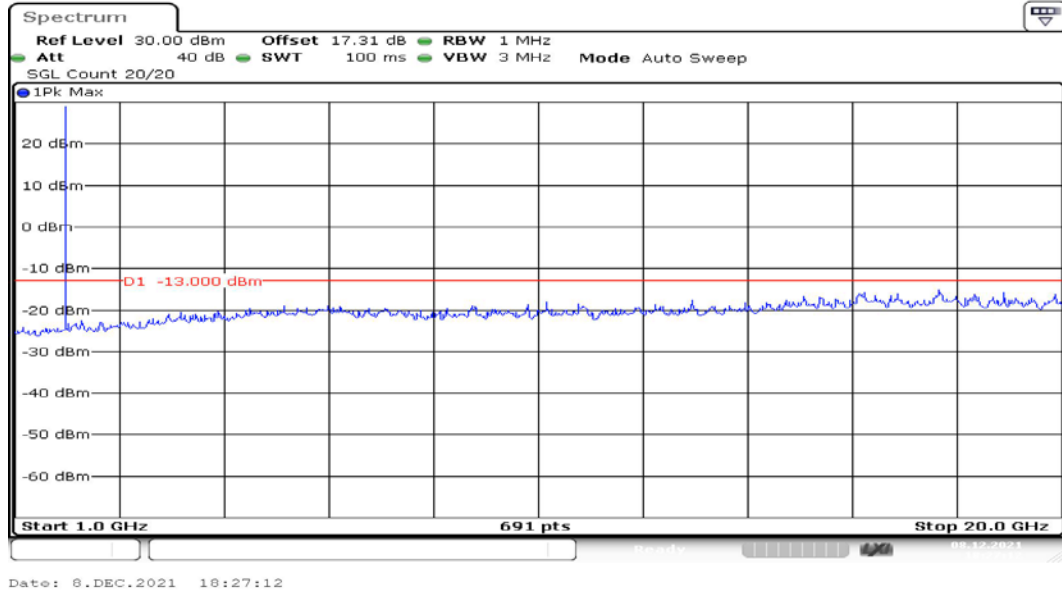
Channel 512



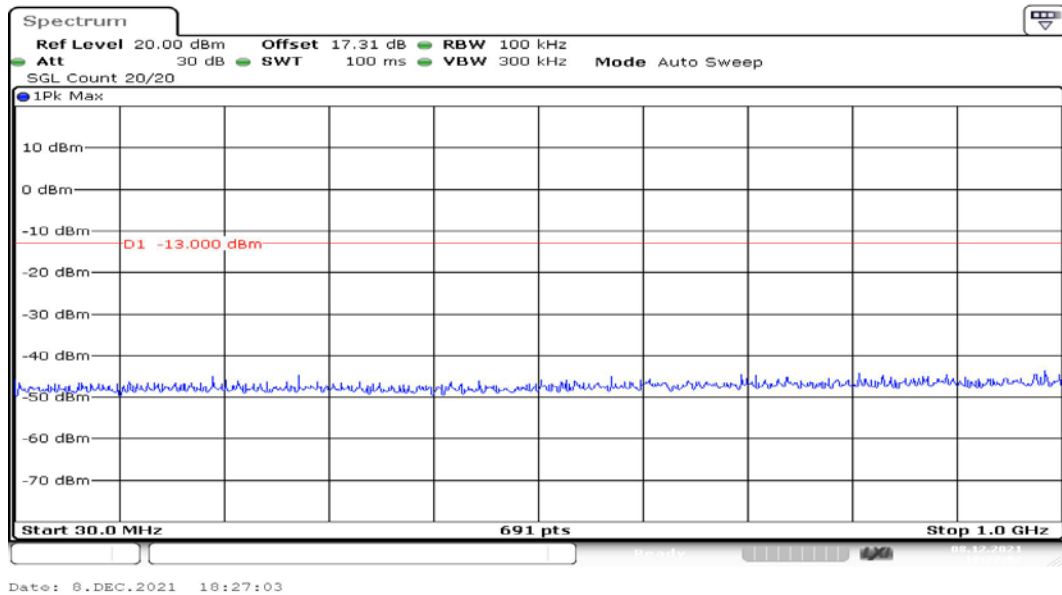
Channel 661



Channel 661

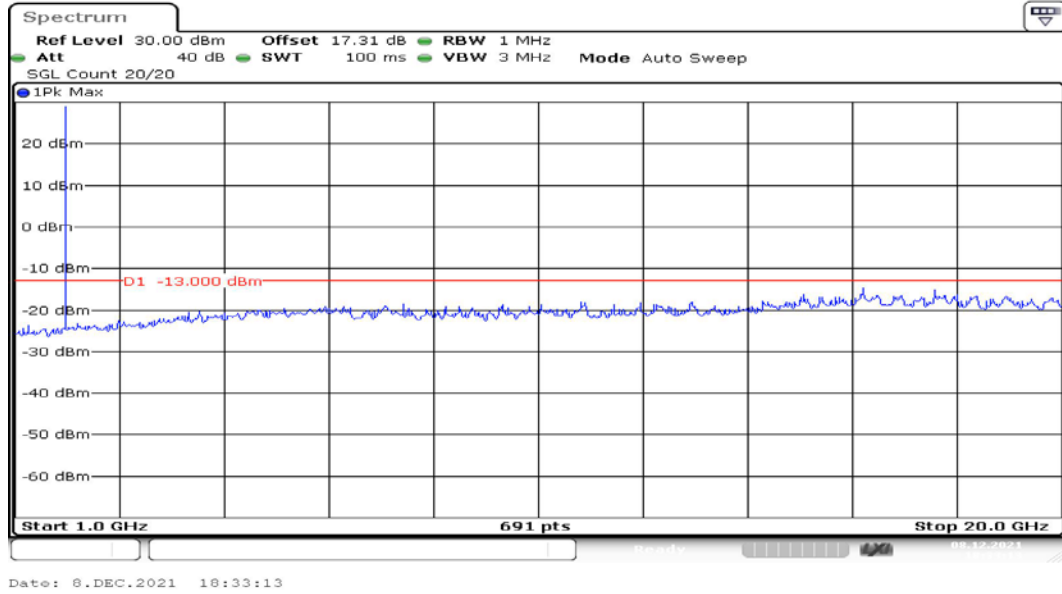


Channel 810

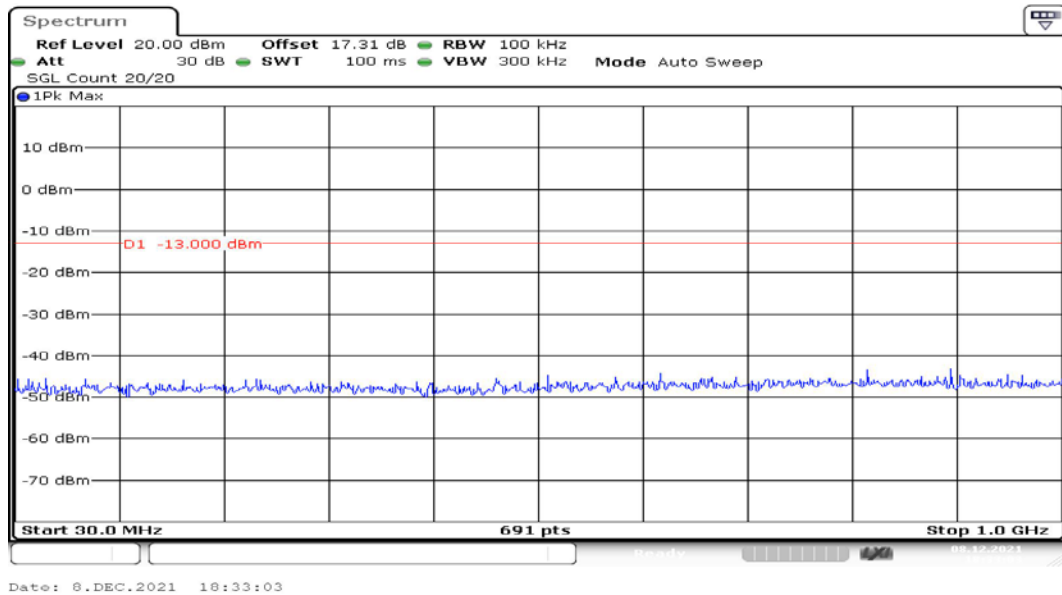


Channel 810

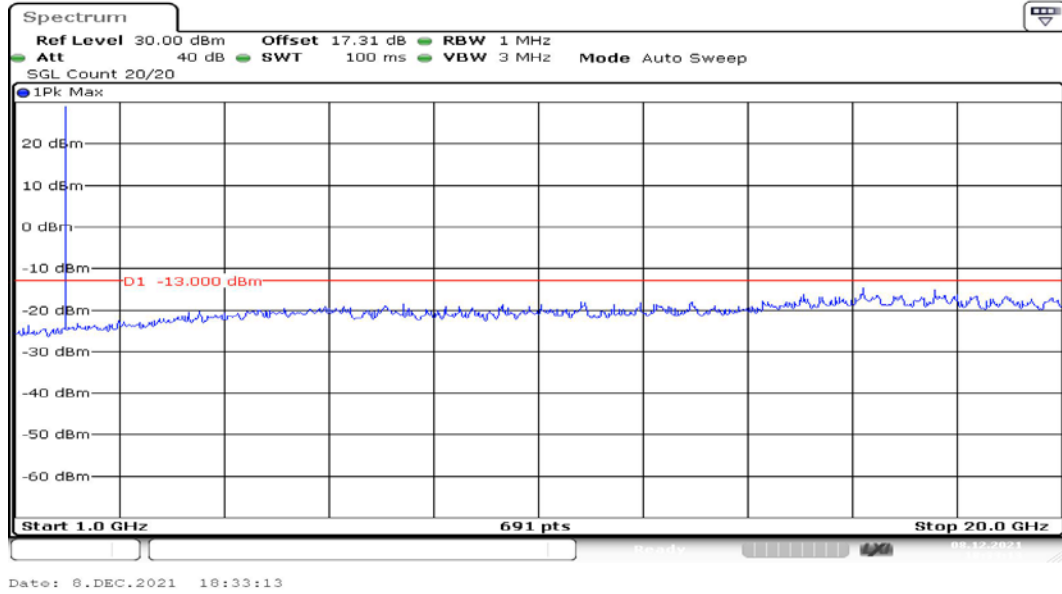
GPRS MODE:



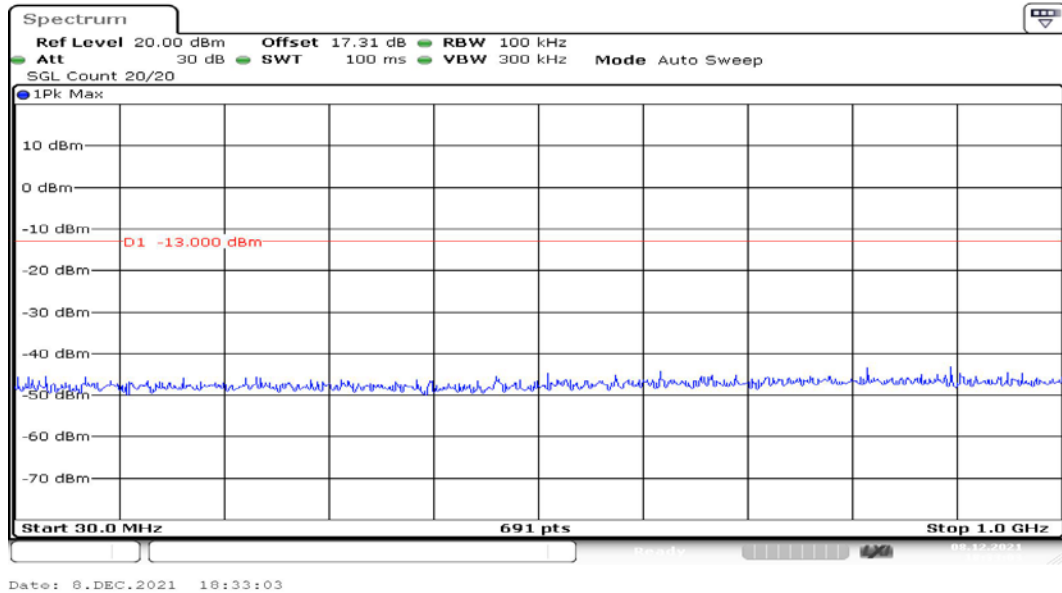
Channel 512



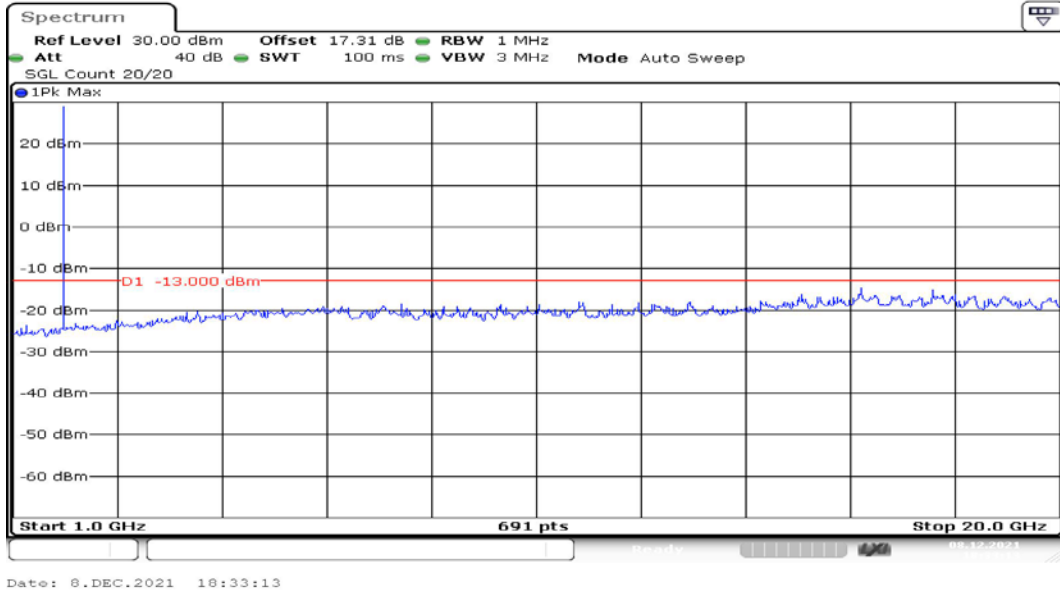
Channel 512



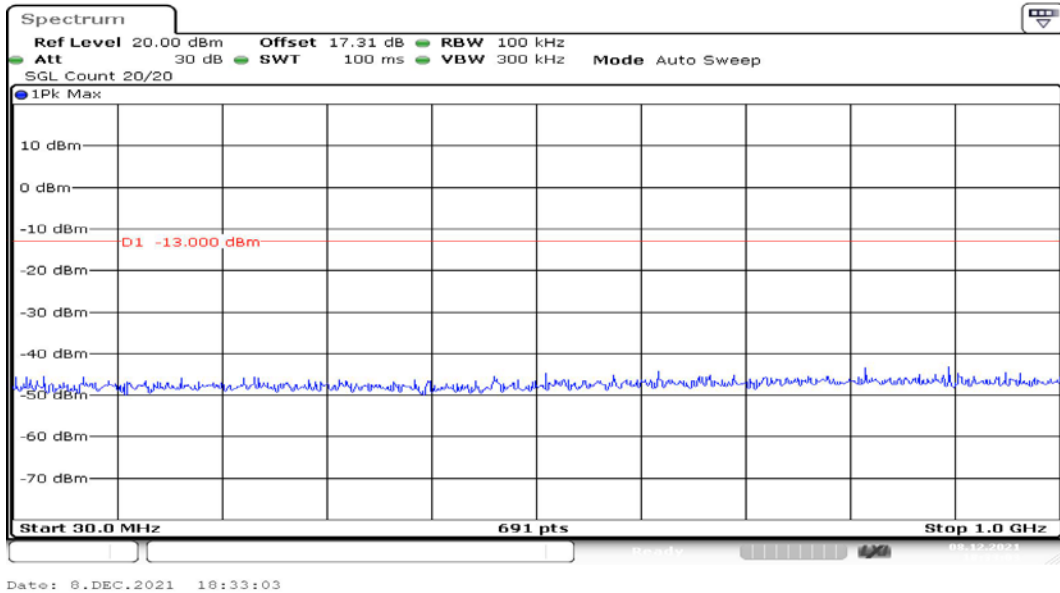
Channel 661



Channel 661

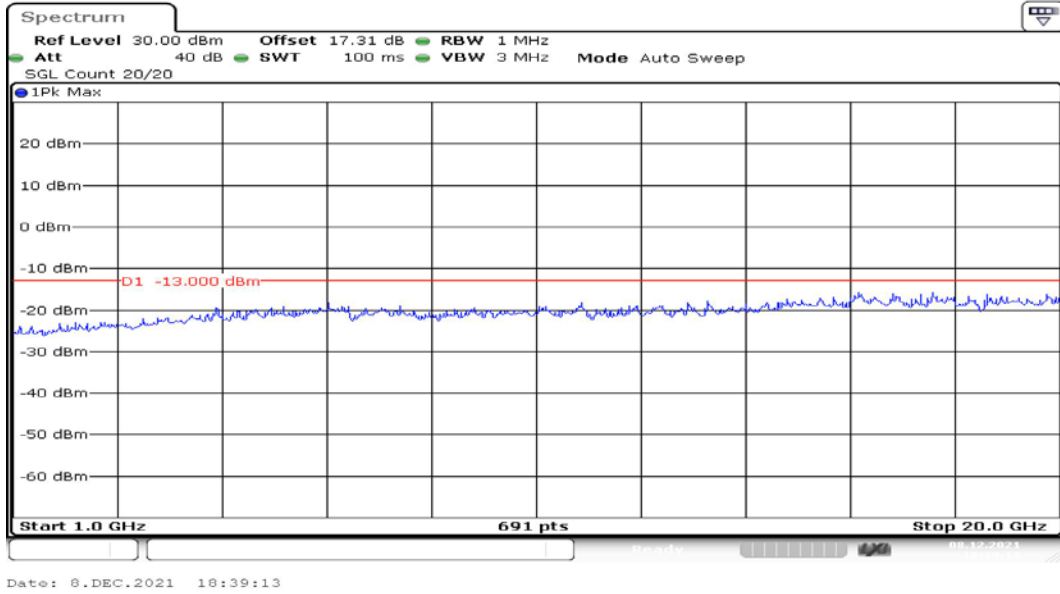


Channel 810

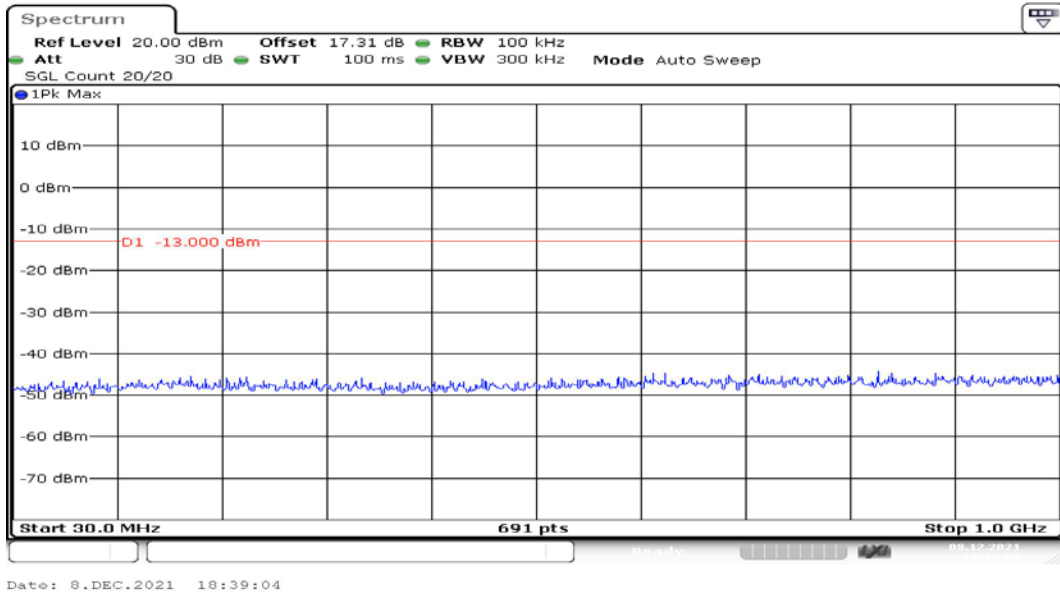


Channel 810

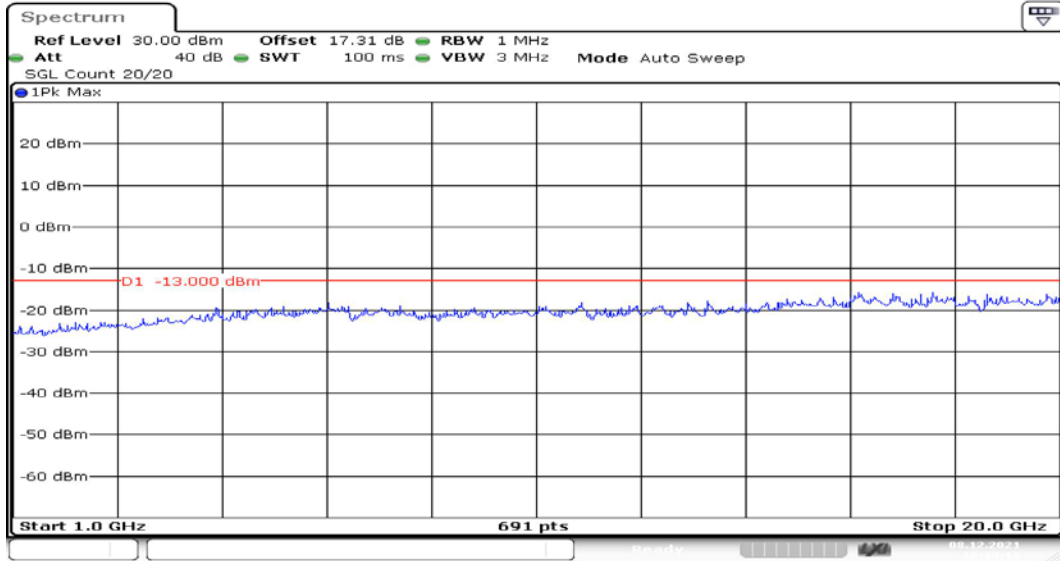
EGPRS (8PSK) MODE:



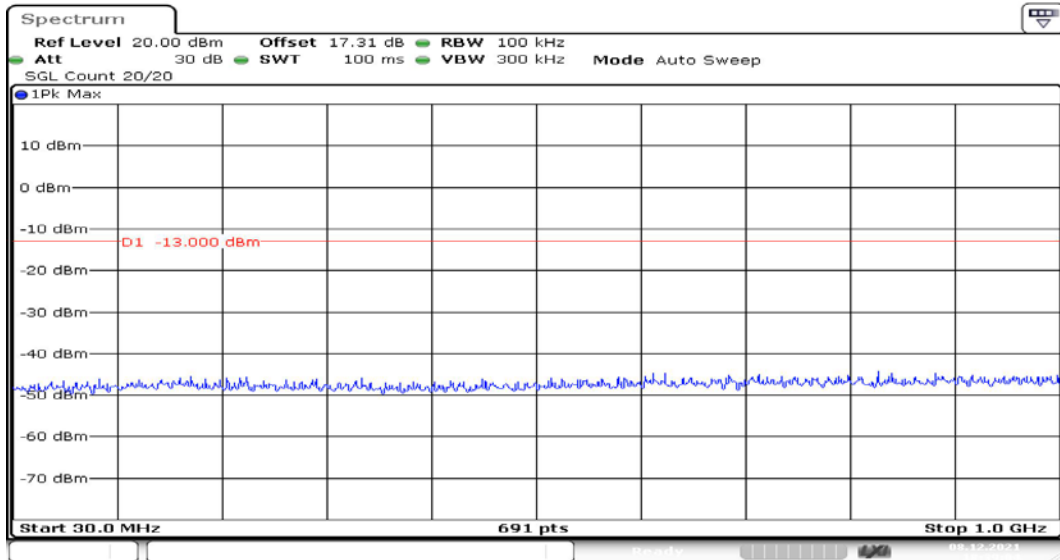
Channel 512



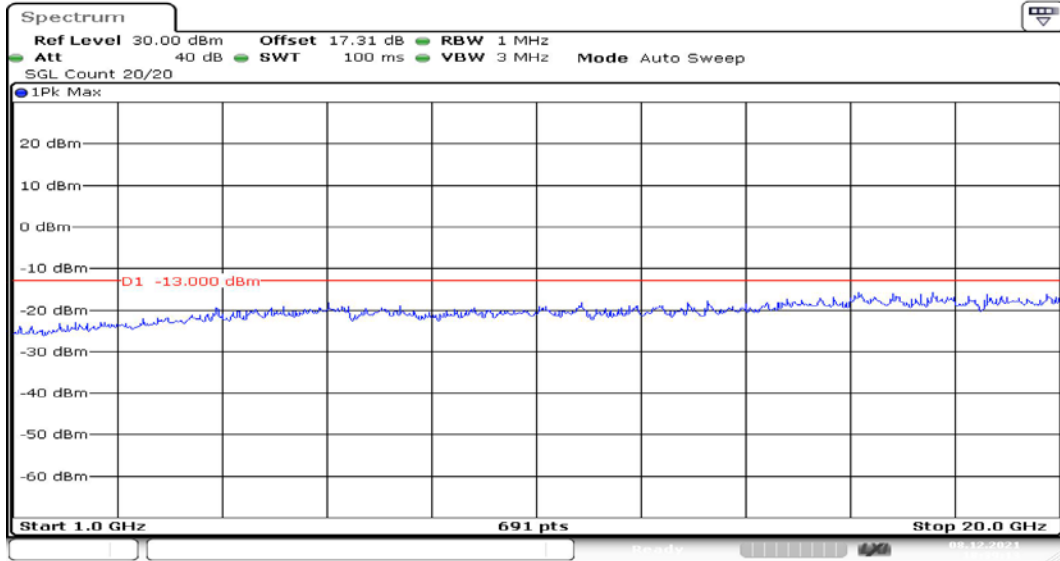
Channel 512



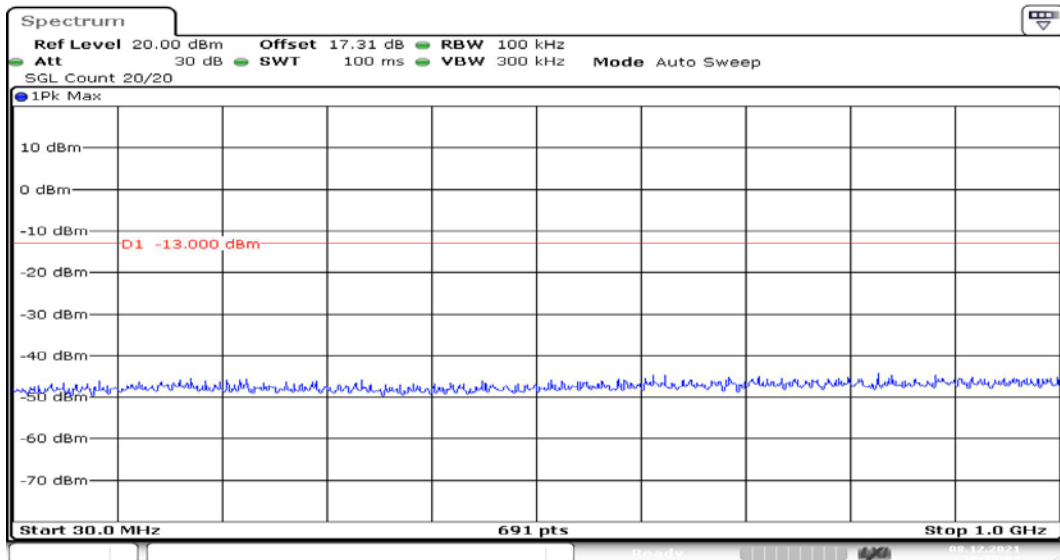
Channel 661



Channel 661

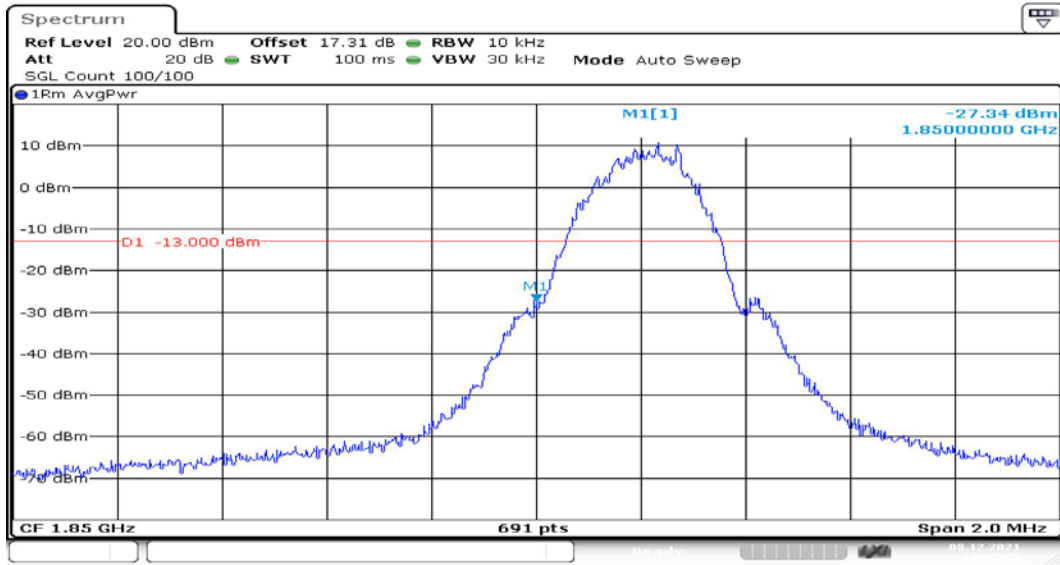


Channel 810

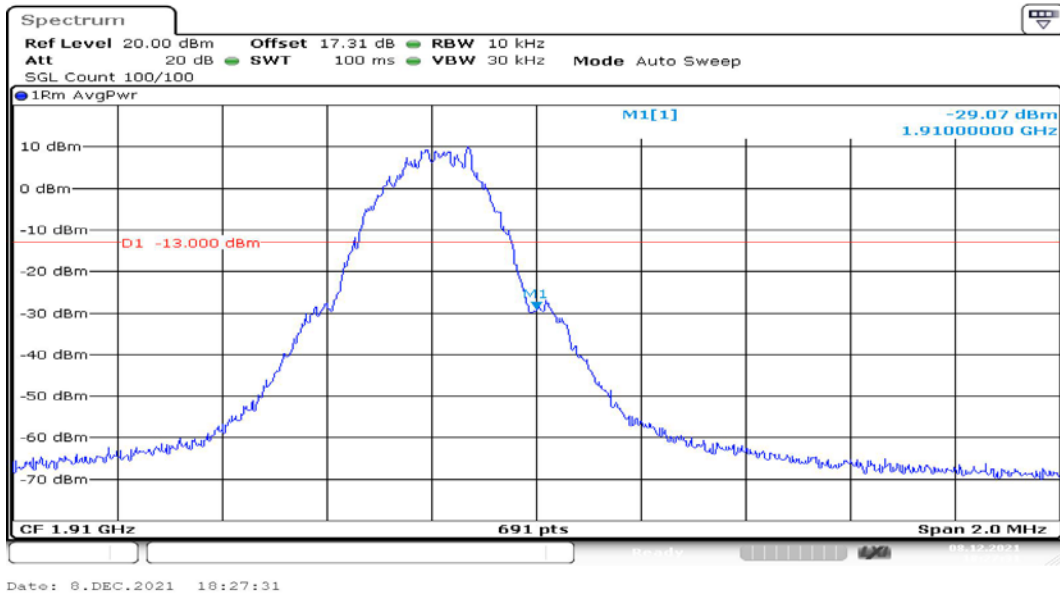


Channel 810

5. Band Edges Compliance
PCS1900
GSM MODE:

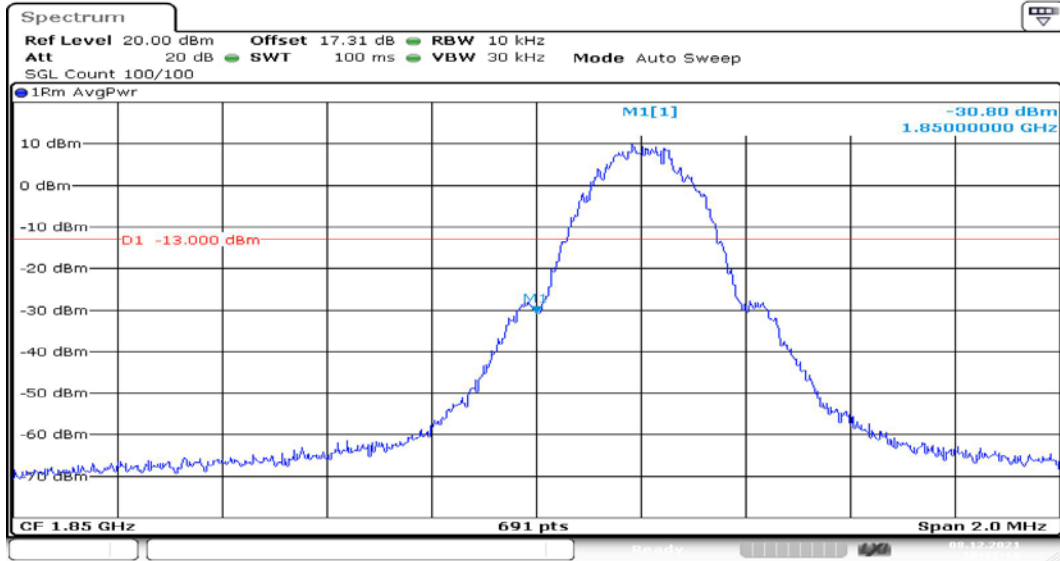


Channel 512

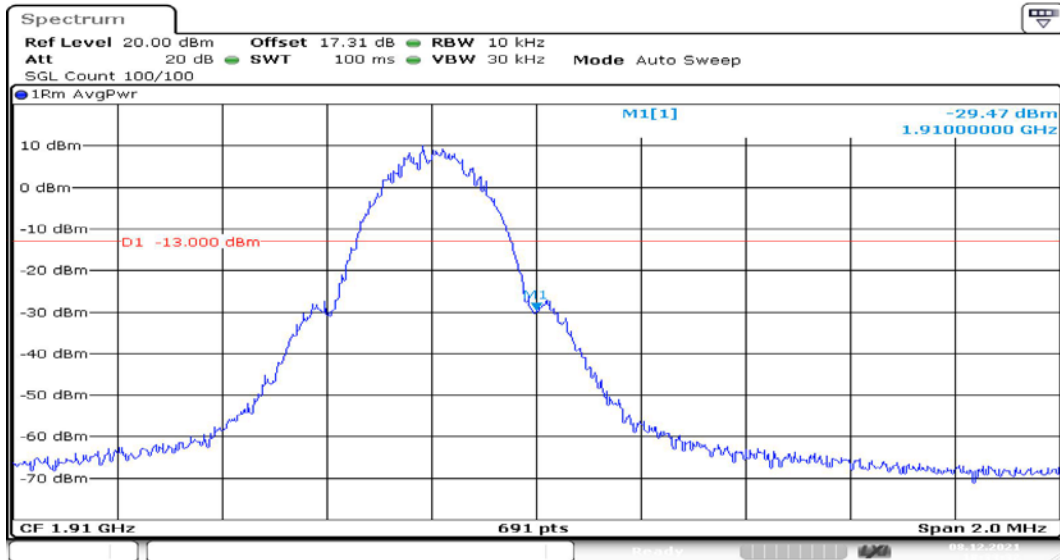


Channel 810

GPRS MODE:

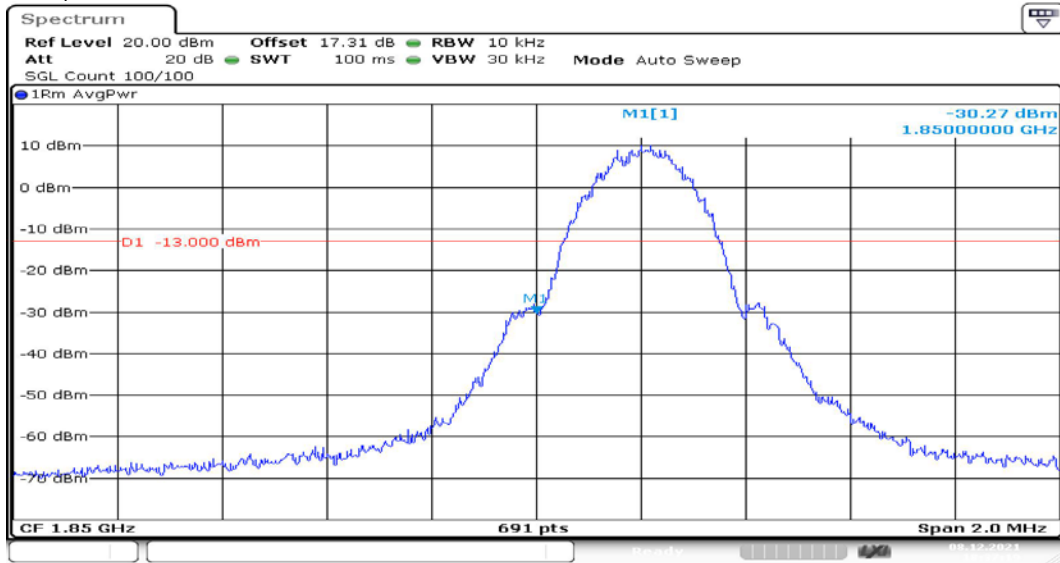


Channel 512

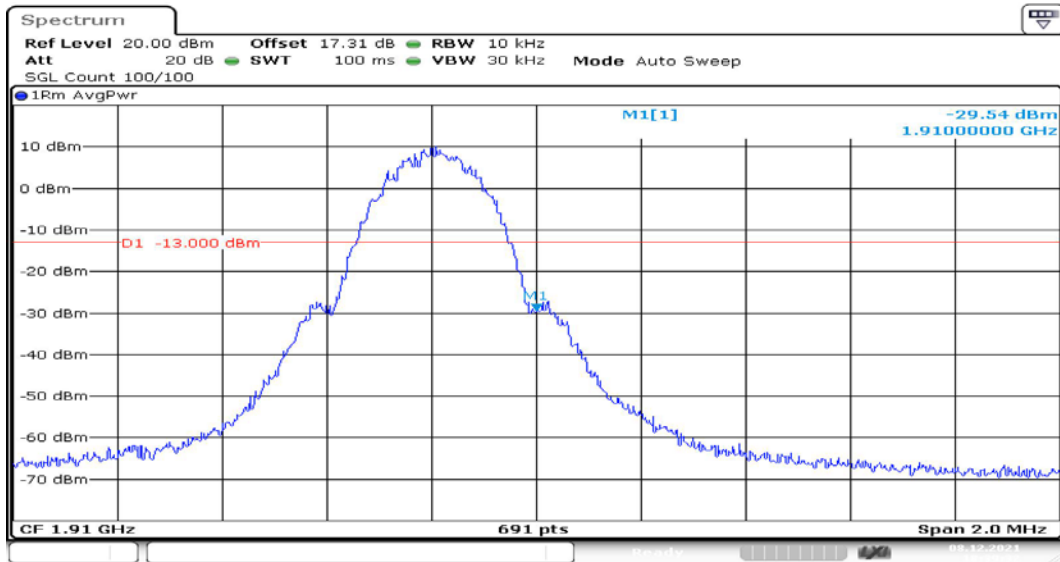


Channel 810

EGPRS (8PSK) MODE:



Channel 512



Channel 810

6. Frequency Stability

PCS1900

GSM MODE:

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

GPRS MODE:

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

EGPRS (8PSK) MODE:

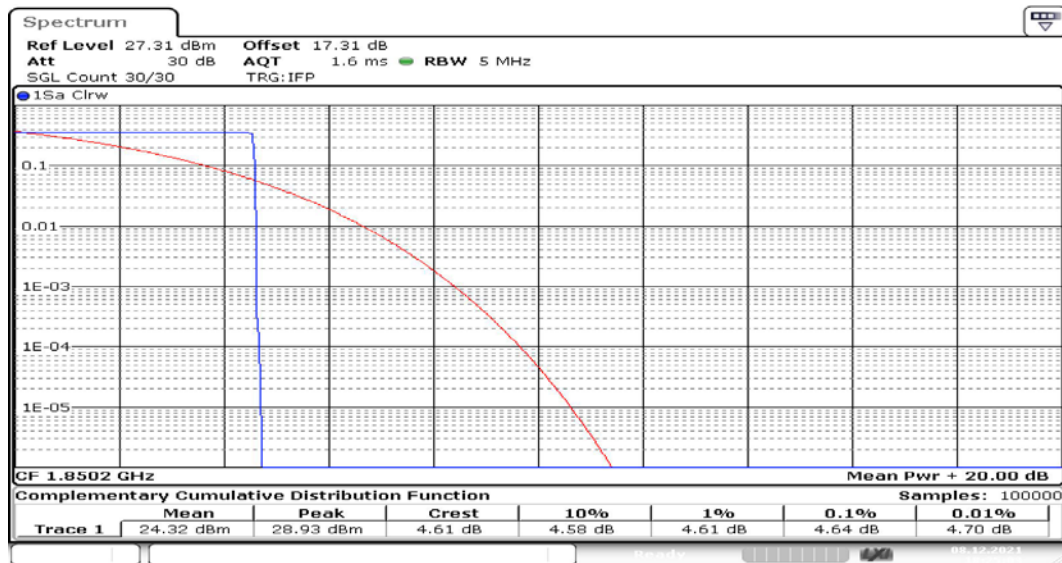
Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-30	0.002	-0.002	0.003
-20	0.001	0.000	0.002
-10	-0.002	0.002	0.002
0	-0.002	0.003	0.002
+10	0.001	-0.002	0.002
+30	-0.002	0.011	0.005
+40	0.000	0.001	0.000

+50	0.005	0.001	0.000
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	0.000	0.001	-0.001
HV	0.002	0.000	0.012

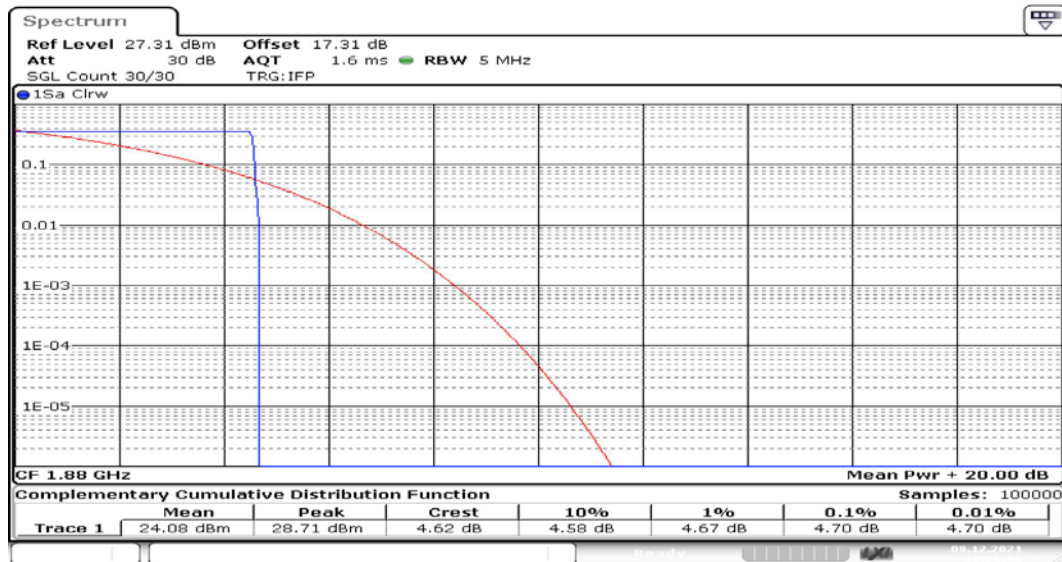
7. Peak-Average Ratio

PCS1900

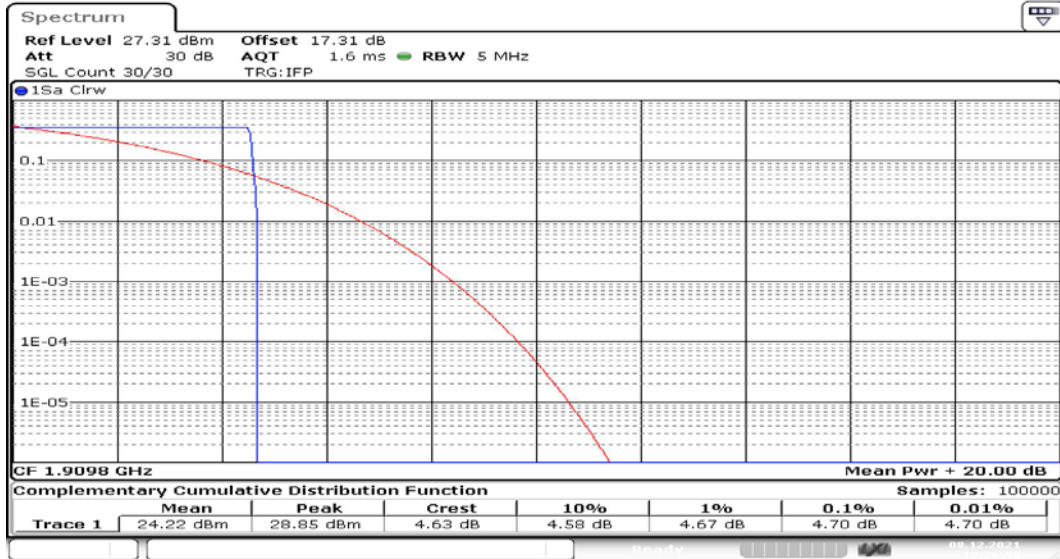
GSM MODE:



Channel 512



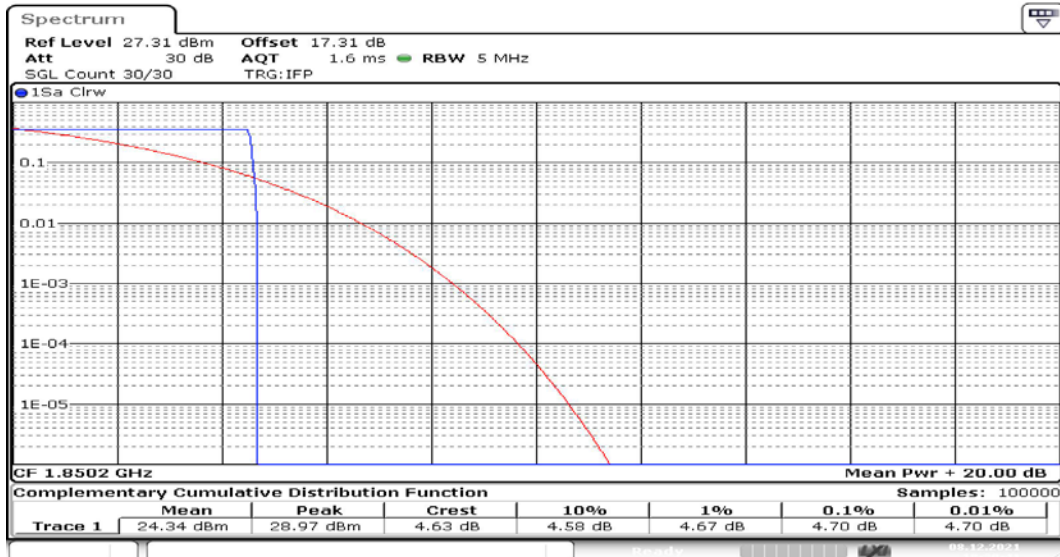
Channel 661



Date: 8.DEC.2021 18:26:54

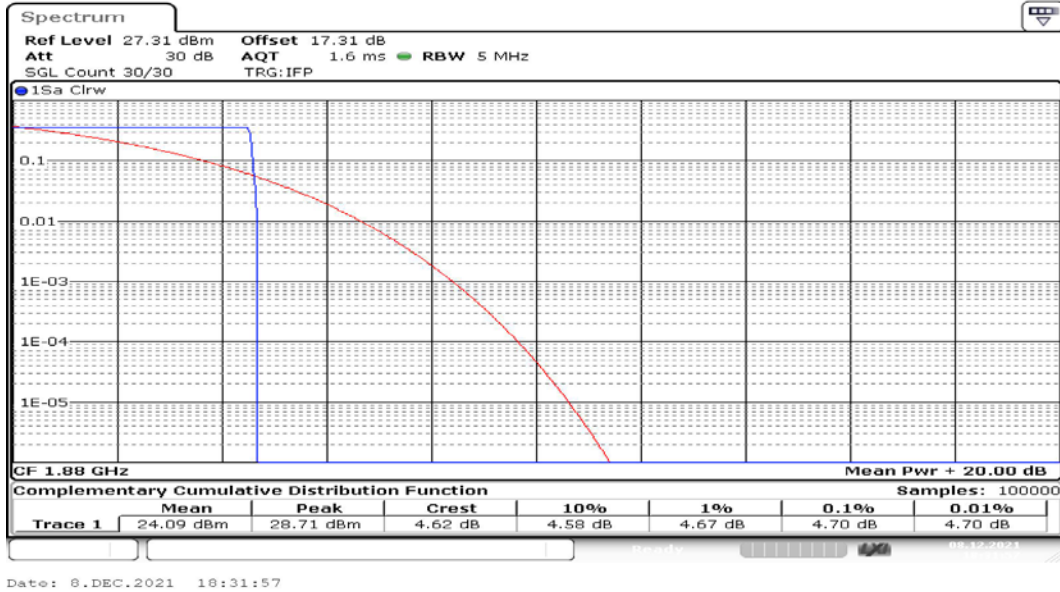
Channel 810

GPRS MODE:

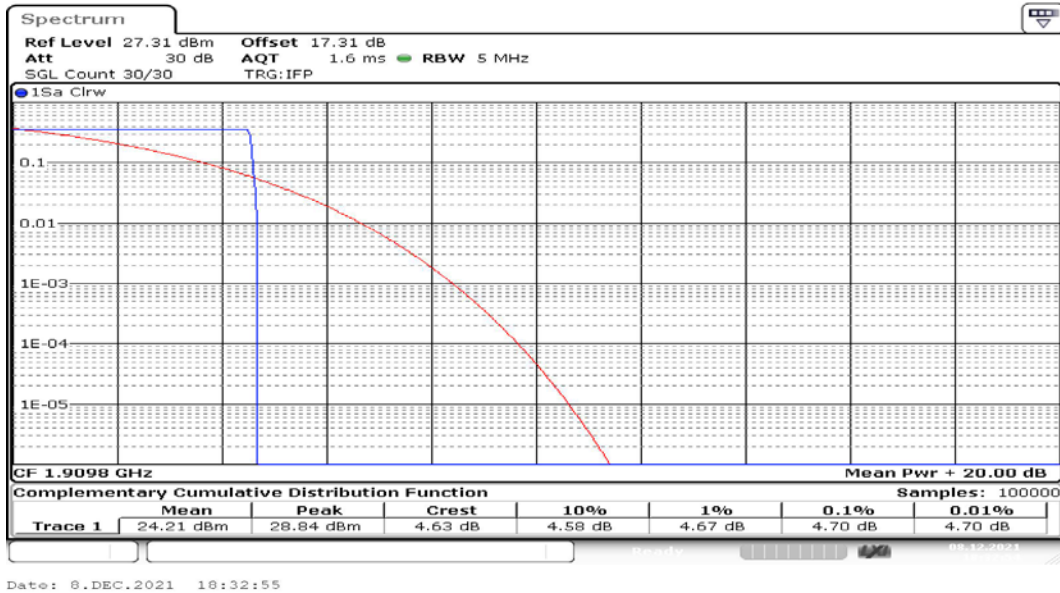


Date: 8.DEC.2021 18:30:41

Channel 512

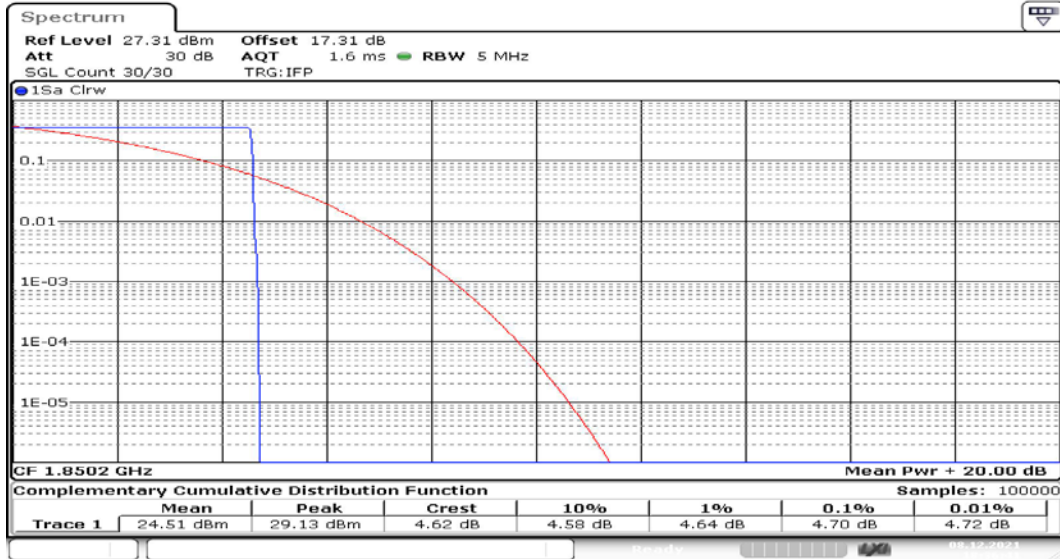


Channel 661



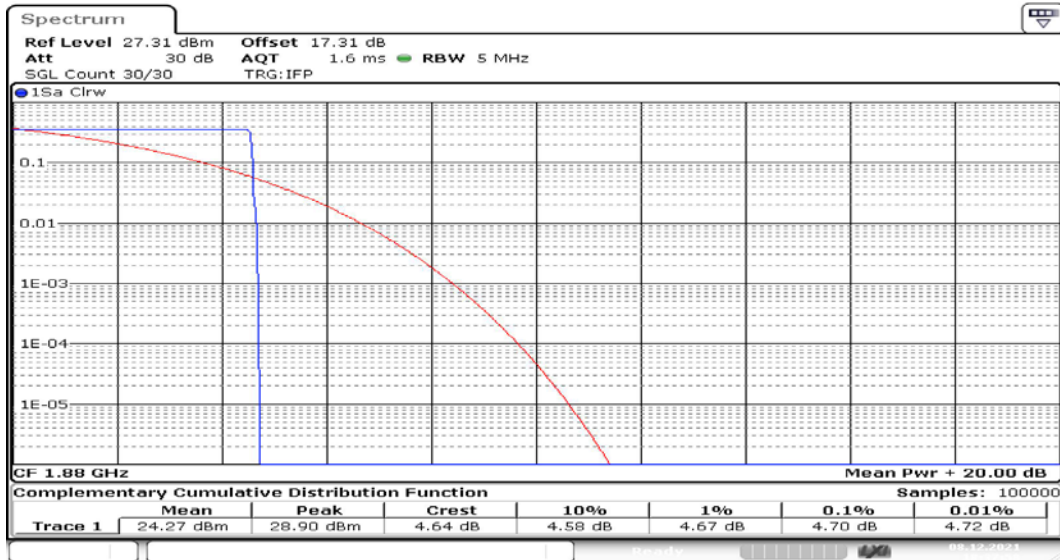
Channel 810

EGPRS (8PSK) MODE:



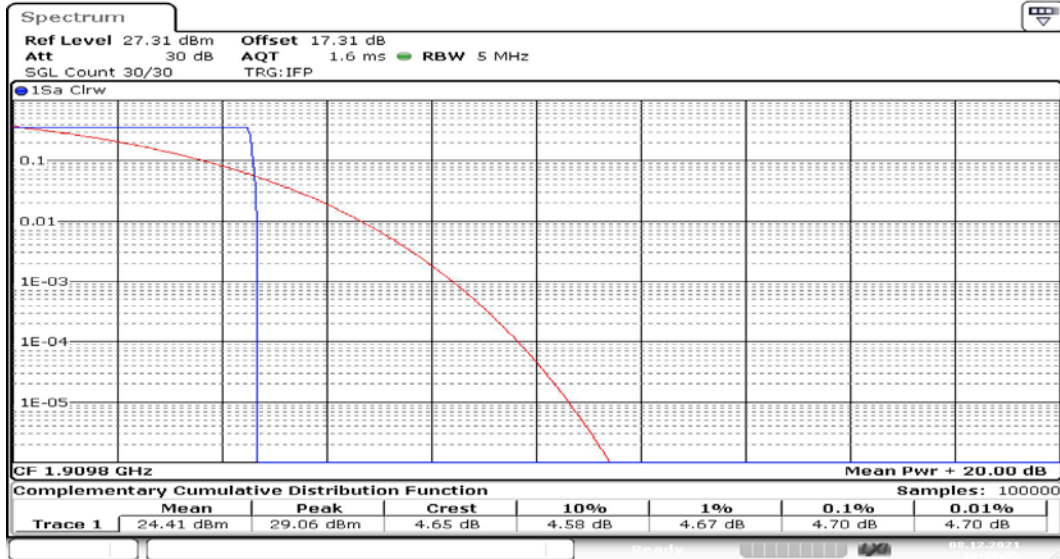
Date: 8.DEC.2021 18:36:41

Channel 512



Date: 8.DEC.2021 18:37:58

Channel 661



Date: 8.DEC.2021 18:38:55

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	29.51	29.08	0.809
1880	661	29.22	28.79	0.757
1909.8	810	29.33	28.90	0.776

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	4Down1Up	29.47	29.04	0.802
1880	661		29.23	28.80	0.759
1909.8	810		29.33	28.90	0.776
1850.2	512	3Down2Up	27.27	26.84	0.483
1880	661		26.88	26.45	0.442
1909.8	810		26.84	26.41	0.438
1850.2	512	2Down3Up	25.64	25.21	0.332
1880	661		25.27	24.84	0.305
1909.8	810		25.22	24.79	0.301
1850.2	512	1Down4Up	23.55	23.12	0.205
1880	661		23.14	22.71	0.187
1909.8	810		23.10	22.67	0.185

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	4Down1Up	29.67	29.24	0.839
1880	661		29.39	28.96	0.787
1909.8	810		29.52	29.09	0.811
1850.2	512	3Down2Up	27.42	26.99	0.500
1880	661		27.05	26.62	0.459
1909.8	810		27.06	26.63	0.460
1850.2	512	2Down3Up	25.85	25.42	0.348
1880	661		25.50	25.07	0.321
1909.8	810		25.47	25.04	0.319
1850.2	512	1Down4Up	23.86	23.43	0.220
1880	661		23.47	23.04	0.201
1909.8	810		23.46	23.03	0.201

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
1647.10	-52.78	-13	Vertical
1666.97	-50.92	-13	Vertical
2534.24	-43.90	-13	Vertical
2575.82	-43.99	-13	Vertical
8964.74	-39.46	-13	Vertical
9969.95	-36.18	-13	Vertical

EDGE (8PSK) MODE Channel 128:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.61	-52.60	-13	Vertical
1666.81	-51.31	-13	Vertical
2535.45	-44.29	-13	Vertical
2577.67	-43.76	-13	Vertical
8964.07	-39.23	-13	Vertical
9971.71	-36.29	-13	Vertical

GSM/GPRS MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.33	-53.28	-13	Vertical
1667.63	-51.74	-13	Vertical
2532.49	-44.57	-13	Vertical
2578.33	-44.44	-13	Vertical
8962.22	-39.05	-13	Vertical
9971.72	-35.97	-13	Vertical

EDGE (8PSK) MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.56	-53.31	-13	Vertical
1668.01	-51.38	-13	Vertical
2533.48	-44.38	-13	Vertical
2575.66	-43.99	-13	Vertical
8963.85	-39.55	-13	Vertical
9970.00	-36.44	-13	Vertical

GSM/GPRS MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.41	-53.42	-13	Vertical
1665.27	-51.69	-13	Vertical
2534.65	-44.74	-13	Vertical
2578.50	-43.69	-13	Vertical
8963.87	-39.83	-13	Vertical
9973.33	-35.92	-13	Vertical

EDGE (8PSK) MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.36	-53.35	-13	Vertical
1668.42	-51.02	-13	Vertical
2534.31	-43.98	-13	Vertical
2578.65	-44.53	-13	Vertical
8961.05	-39.49	-13	Vertical
9972.65	-36.27	-13	Vertical

1900:

Test result:

GSM/GPRS MODE Channel 512

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.84	-49.31	-13	Vertical
2780.91	-47.85	-13	Vertical
3725.82	-40.96	-13	Vertical
6677.70	-39.61	-13	Vertical
9960.28	-37.69	-13	Vertical
17820.25	-33.58	-13	Vertical

EDGE (8PSK) MODE Channel 512:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.15	-48.67	-13	Vertical
2780.25	-47.12	-13	Vertical
3727.12	-41.06	-13	Vertical
6675.71	-39.40	-13	Vertical
9962.68	-37.17	-13	Vertical
17818.69	-34.05	-13	Vertical

GSM/GPRS MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.41	-49.35	-13	Vertical

2781.64	-47.17	-13	Vertical
3726.86	-40.36	-13	Vertical
6676.35	-40.01	-13	Vertical
9961.99	-37.29	-13	Vertical
17821.14	-34.05	-13	Vertical

EDGE (8PSK) MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.49	-49.25	-13	Vertical
2780.81	-47.63	-13	Vertical
3726.30	-40.68	-13	Vertical
6675.10	-39.25	-13	Vertical
9960.01	-37.27	-13	Vertical
17818.63	-33.70	-13	Vertical

GSM/GPRS MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.10	-49.19	-13	Vertical
2780.57	-46.99	-13	Vertical
3728.35	-40.69	-13	Vertical
6677.58	-39.19	-13	Vertical
9959.97	-36.83	-13	Vertical
17818.68	-34.28	-13	Vertical

EDGE (8PSK) MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.15	-48.65	-13	Vertical
2779.06	-47.33	-13	Vertical
3727.39	-40.75	-13	Vertical
6677.91	-39.16	-13	Vertical
9962.07	-36.80	-13	Vertical
17820.06	-34.20	-13	Vertical

---End of Test Report---