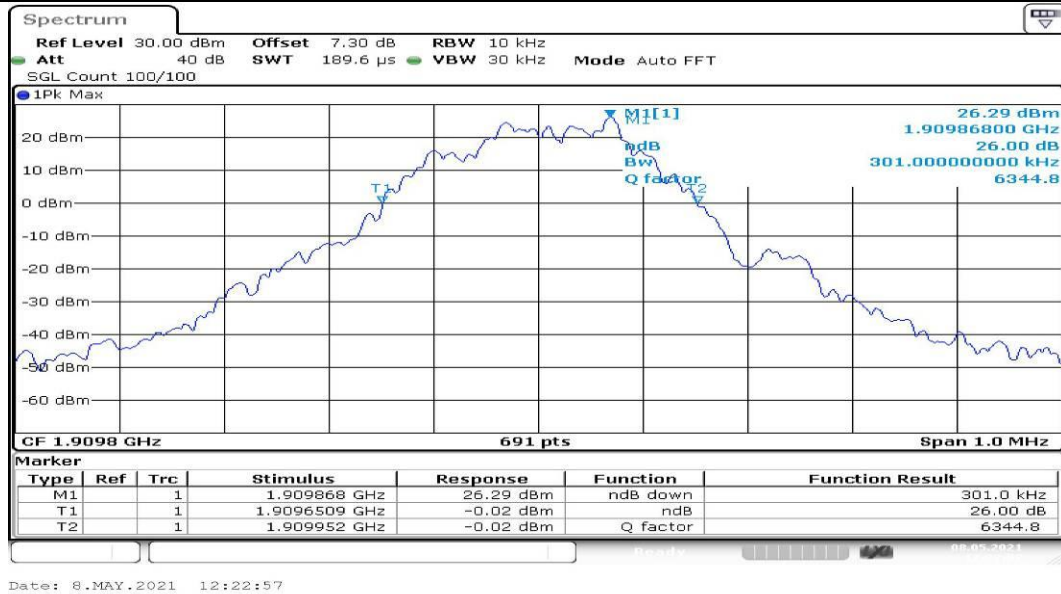
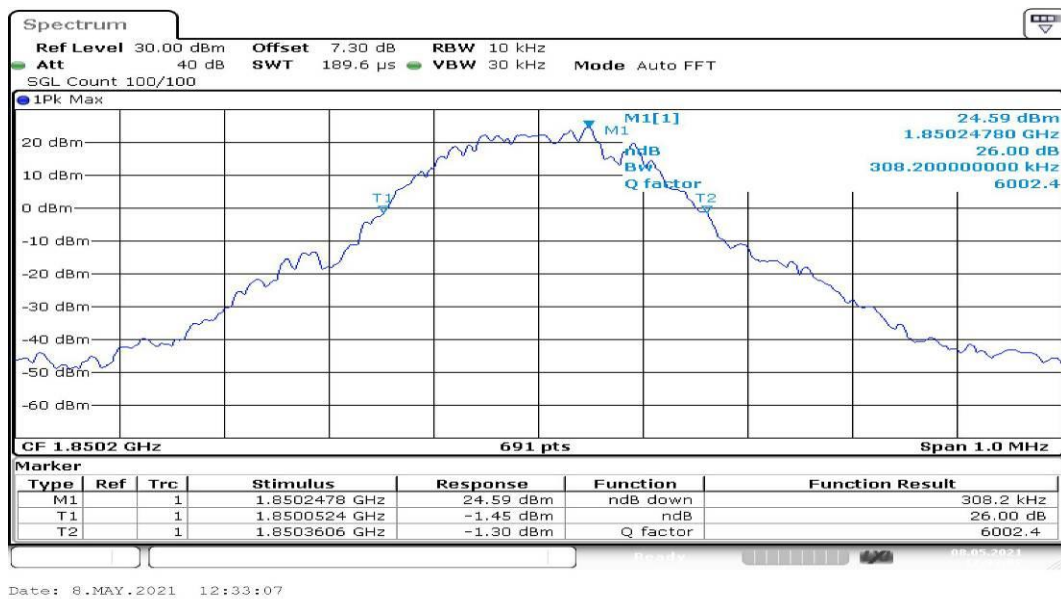


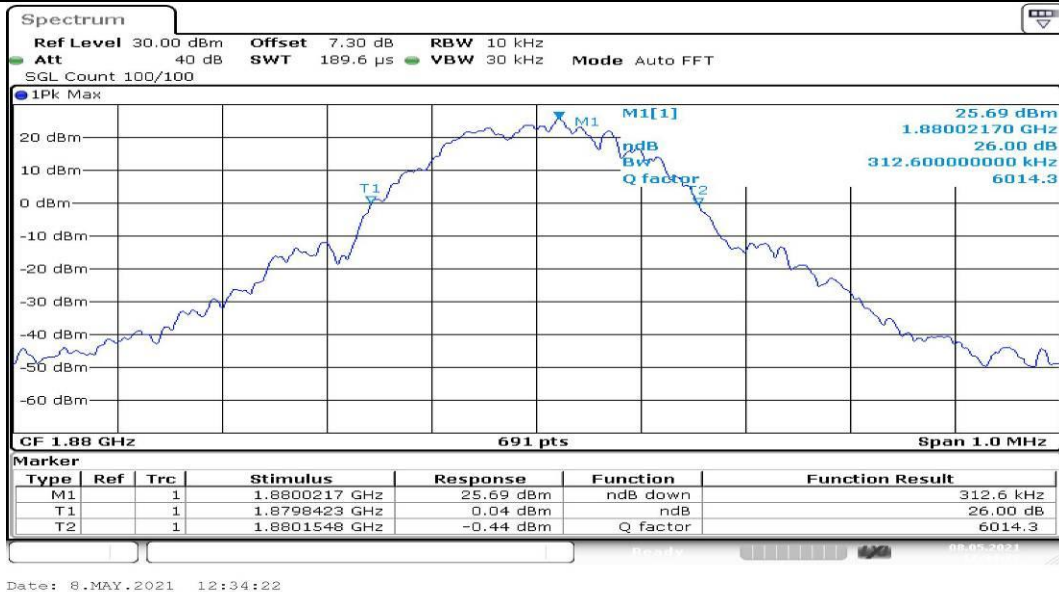


Channel 810

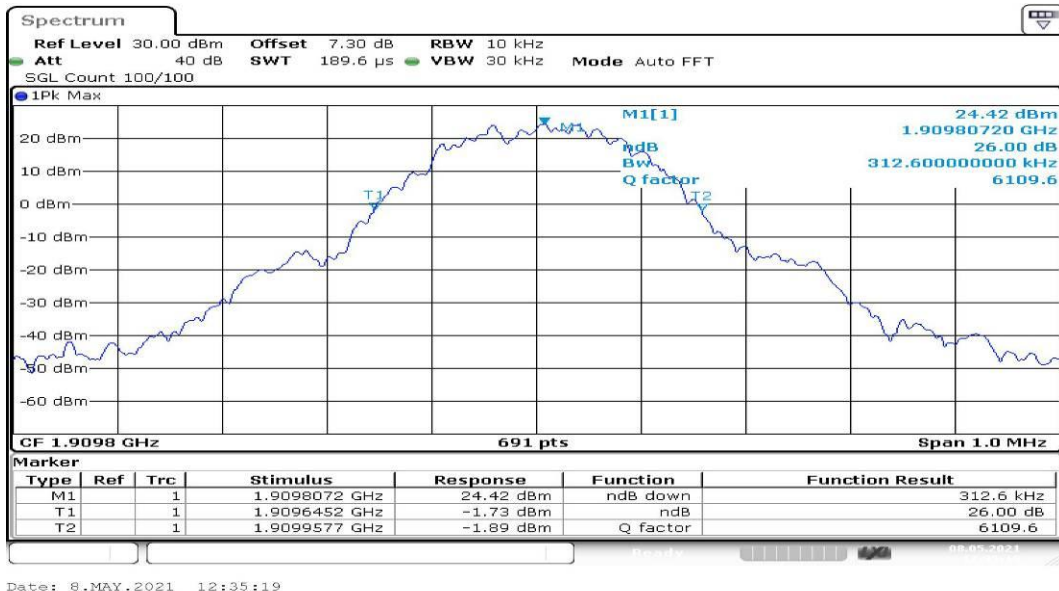
GPRS MODE:



Channel 512

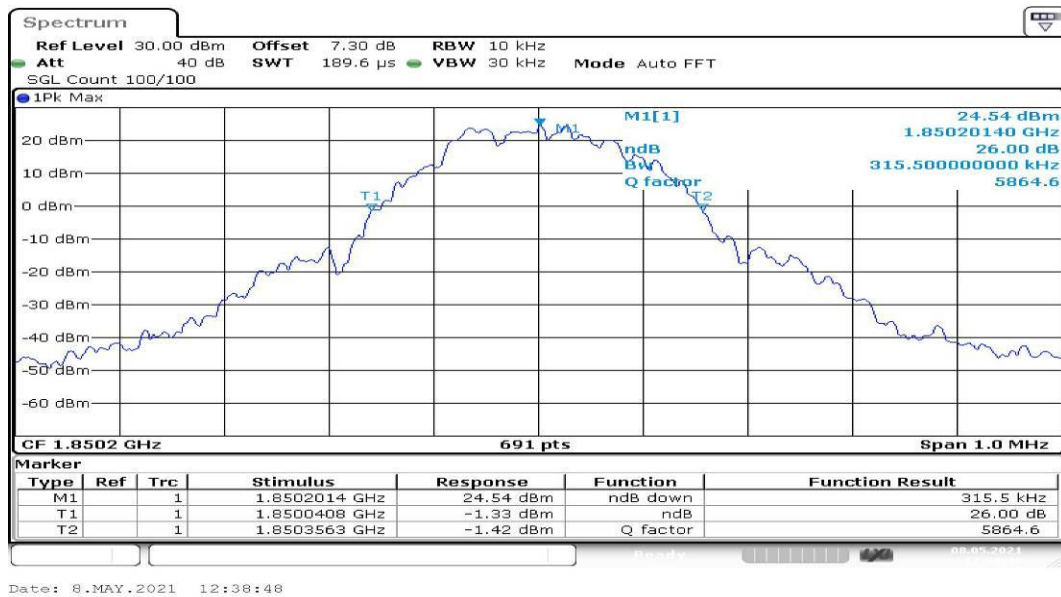


Channel 661

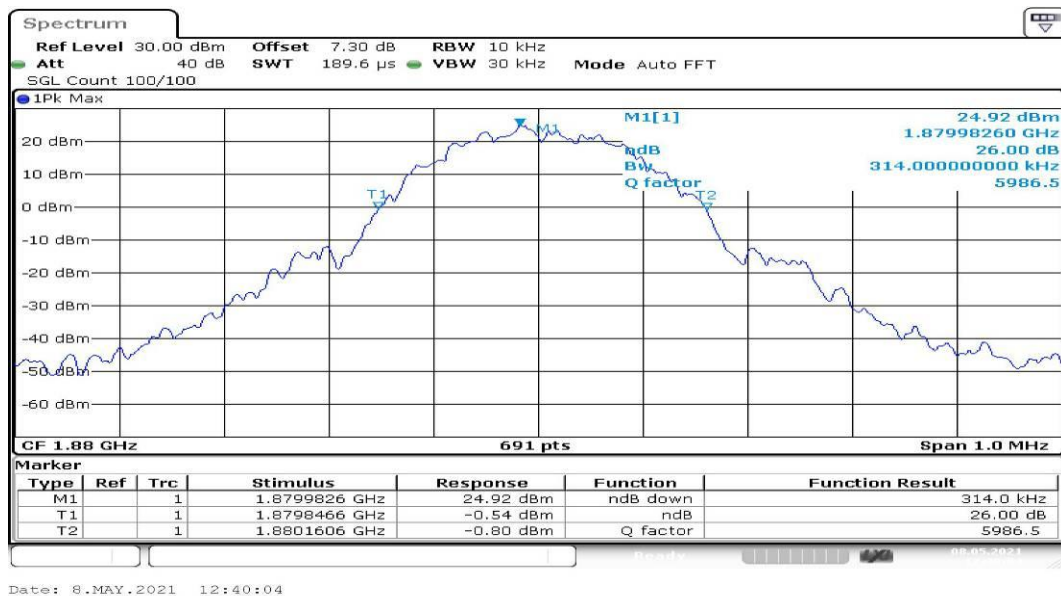


Channel 810

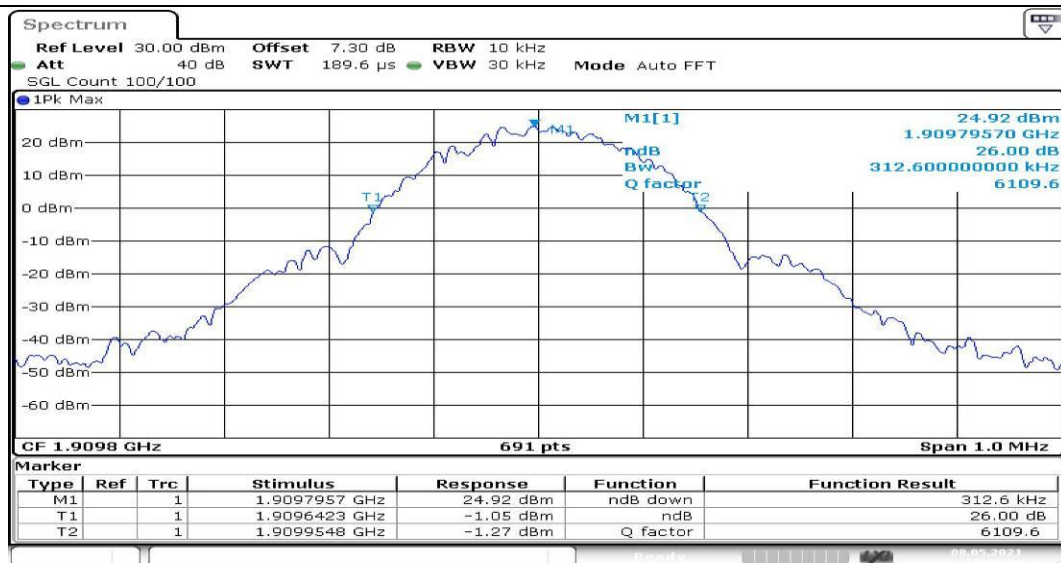
EDGE (8PSK) MODE:



Channel 512



Channel 661



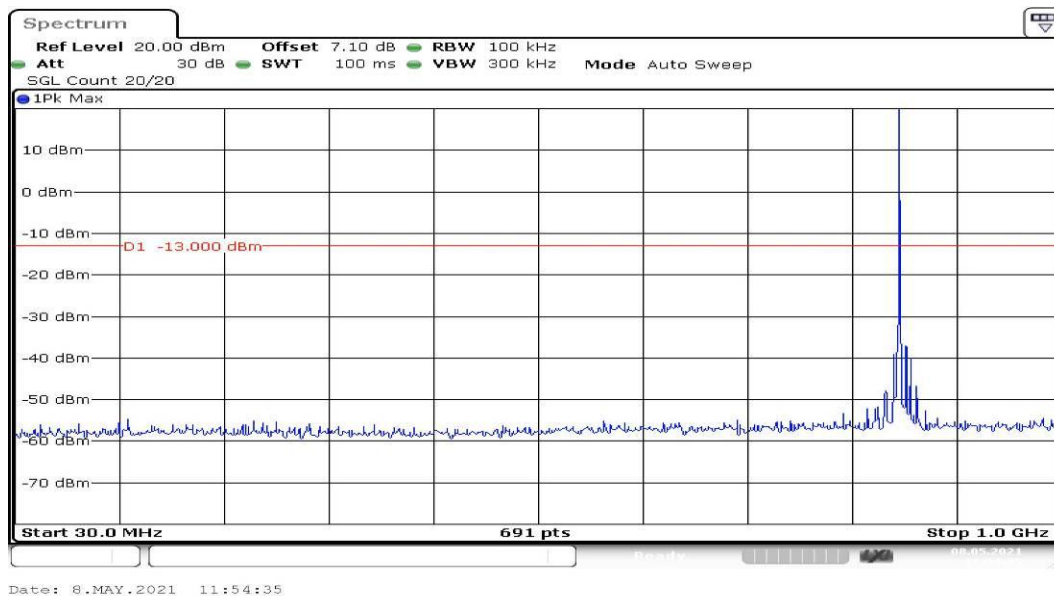
Date: 8.MAY.2021 12:41:01

Channel 810

4. Spurious Emissions at antenna terminal

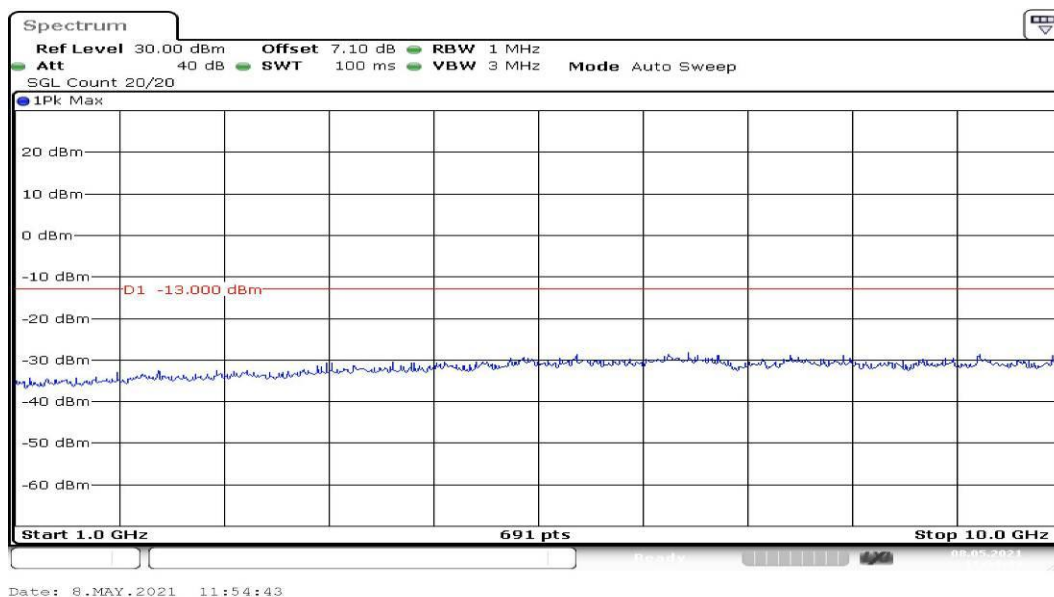
GSM850

GSM MODE:



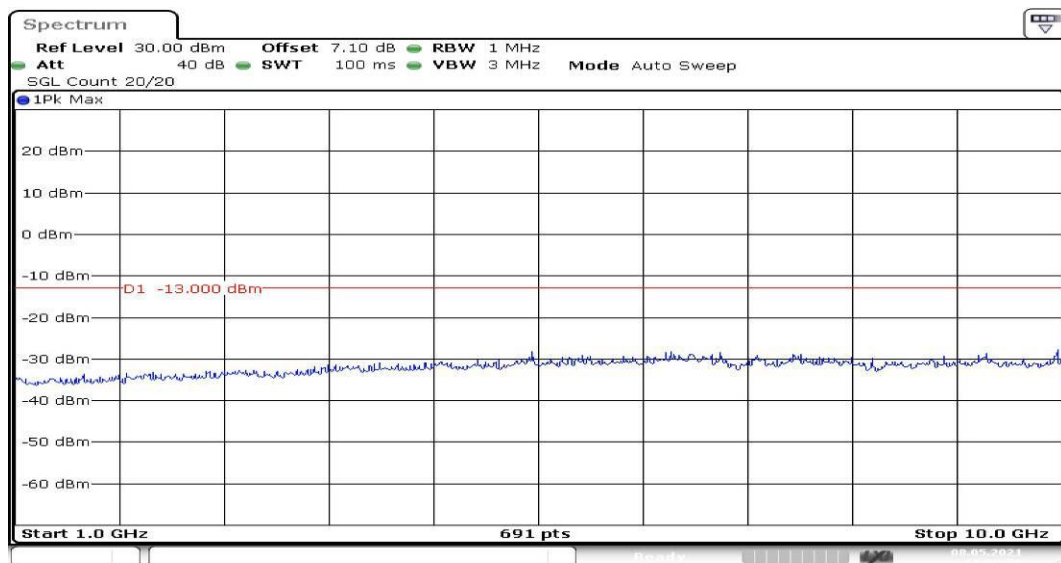
Channel 189 30MHz~1GHz(dBm)

Note: The signal beyond the limit is the signal transmitted by EUT.



Channel 189 1GHz~10GHz(dBm)

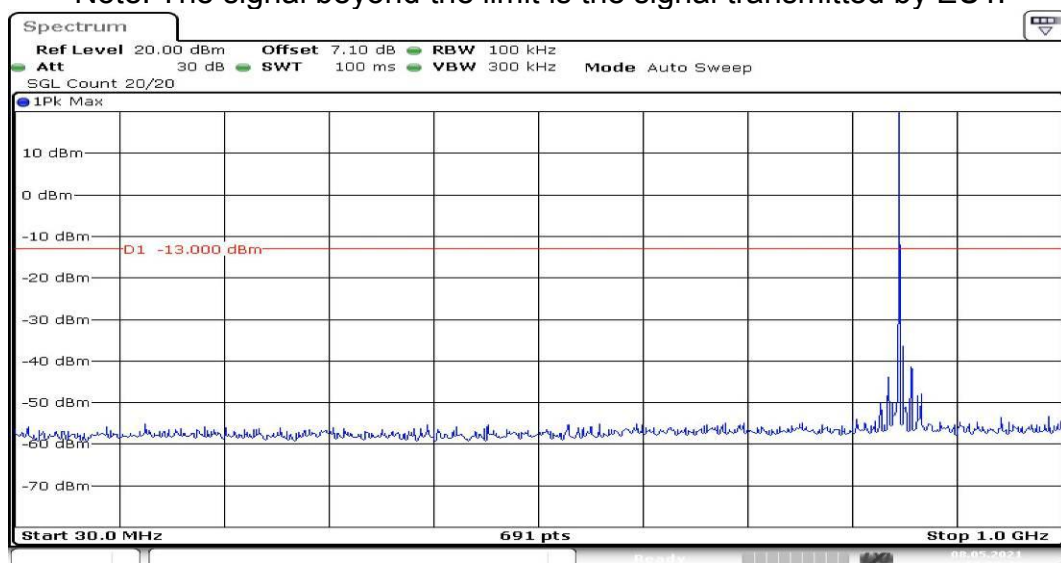
GPRS MODE:



Date: 8.MAY.2021 12:02:50

Channel 189 1GHz~10GHz(dBm)

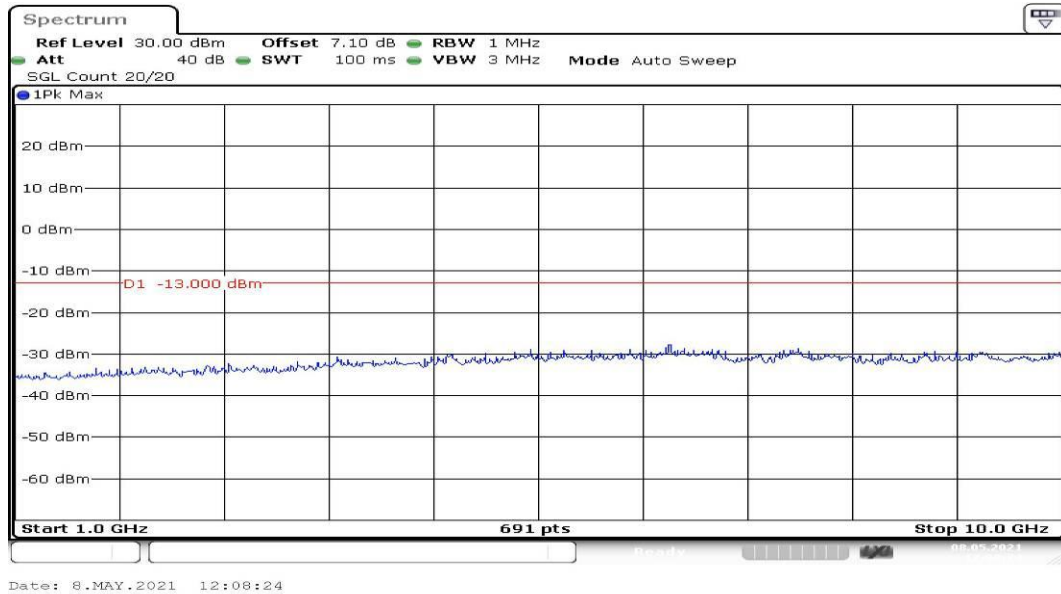
Note: The signal beyond the limit is the signal transmitted by EUT.



Date: 8.MAY.2021 12:02:42

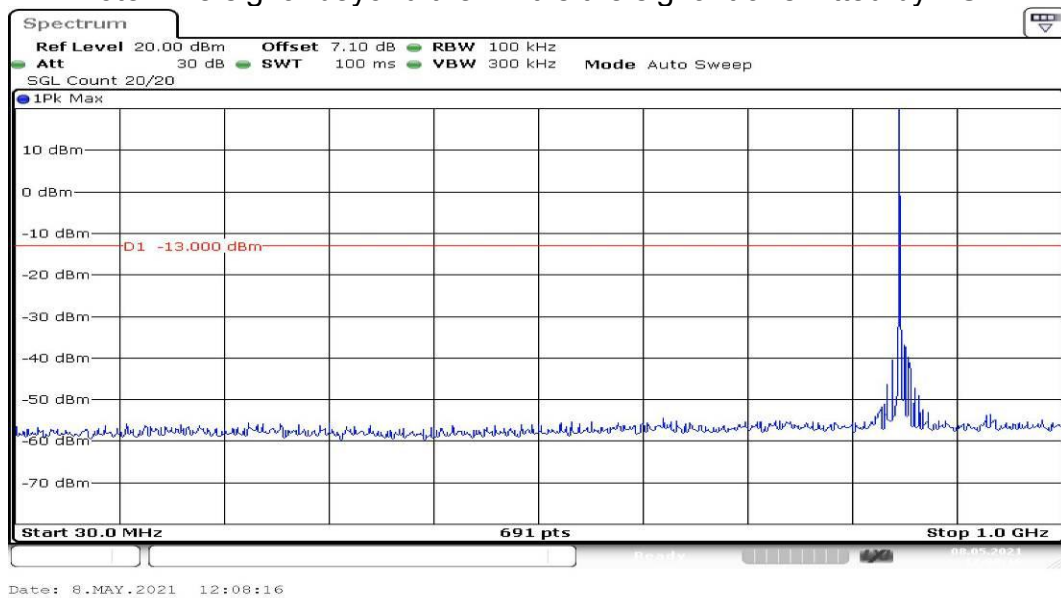
Channel 189 30MHz~1GHz(dBm)

EDGE (8PSK) MODE:



Channel 189 1GHz~10GHz(dBm)

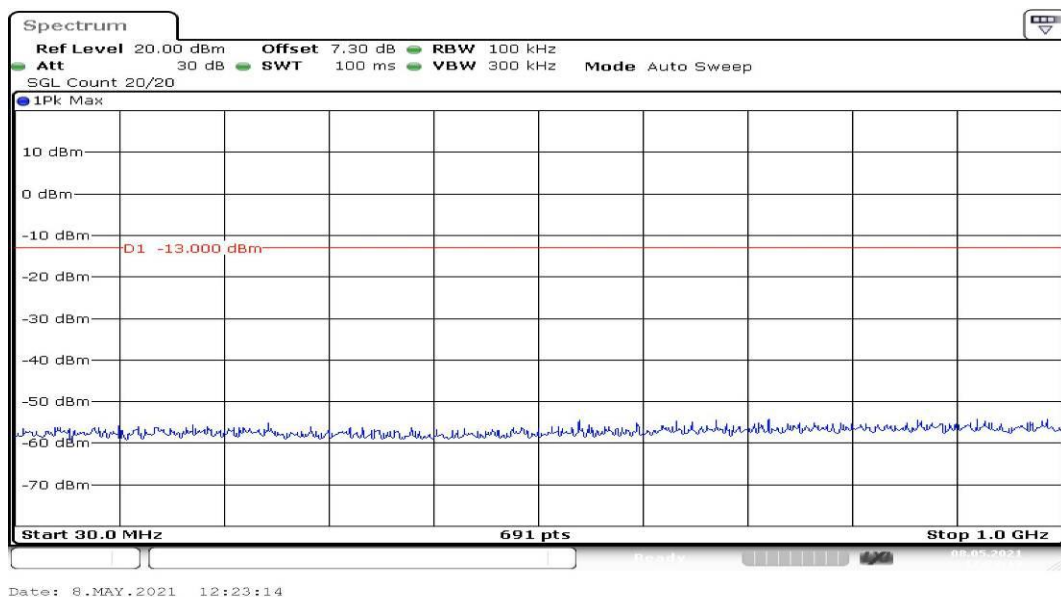
Note: The signal beyond the limit is the signal transmitted by EUT.



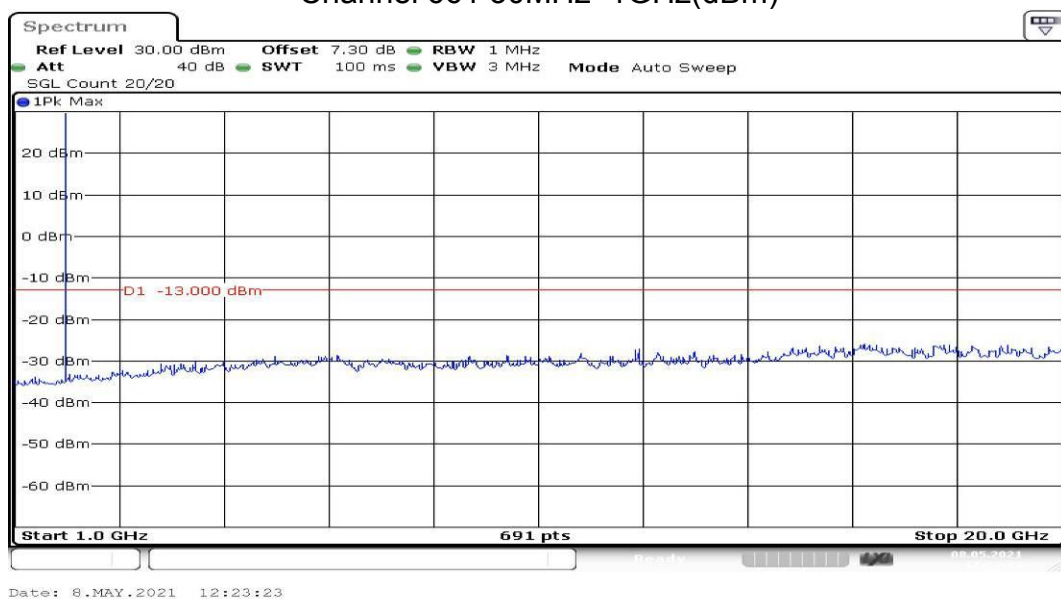
Channel 189 30MHz~1GHz(dBm)

PCS1900

GSM MODE:



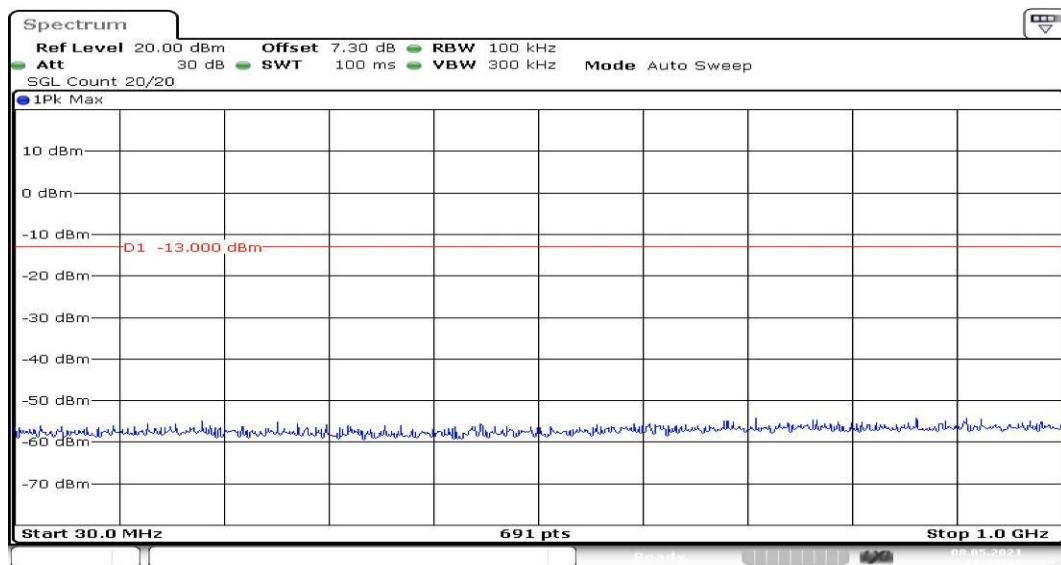
Channel 661 30MHz~1GHz(dBm)



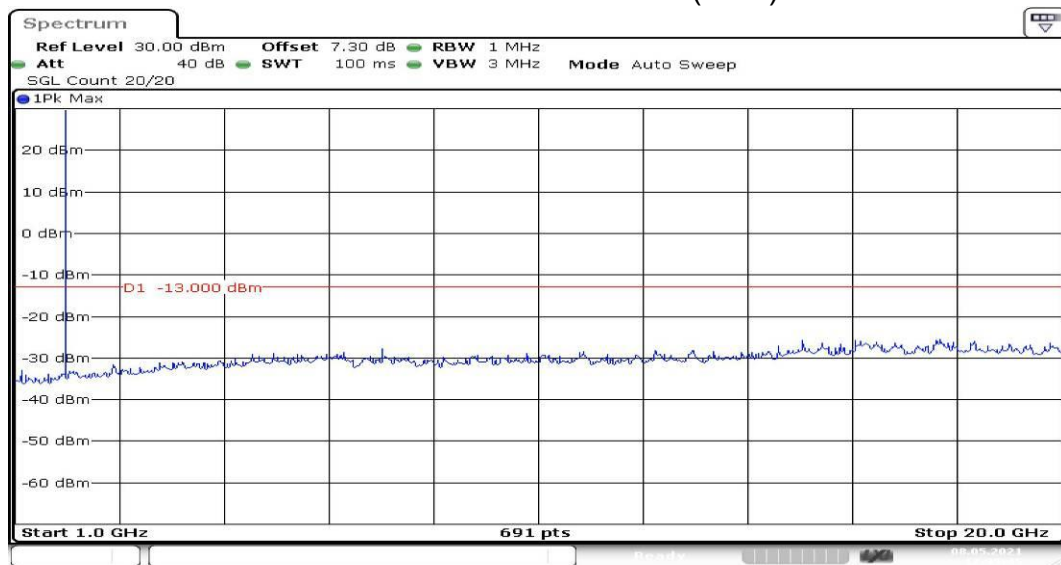
Channel 661 1GHz~20GHz(dBm)

Note: The signal beyond the limit is the signal transmitted by EUT.

GPRS MODE:



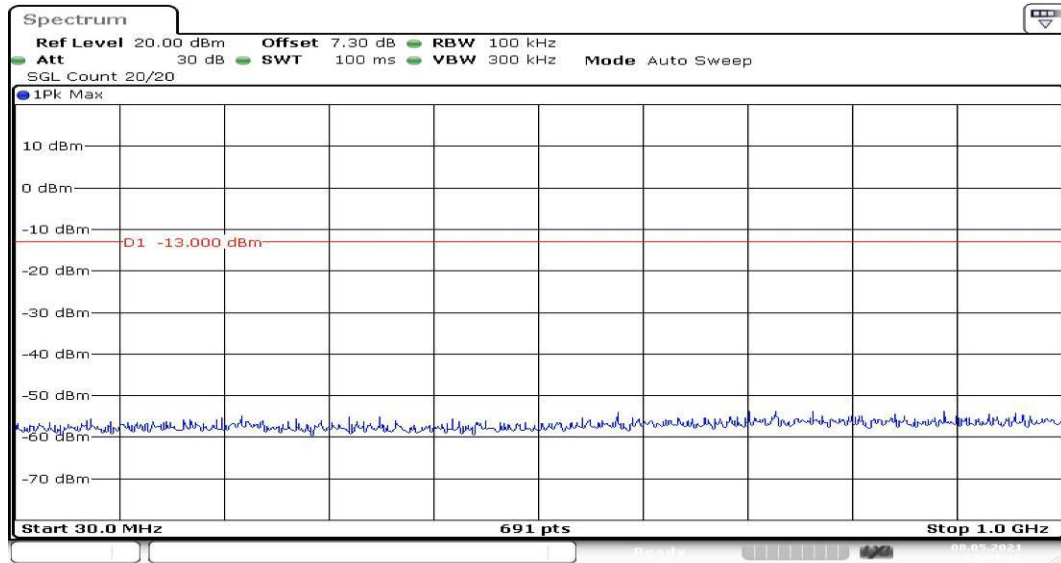
Channel 661 30MHz~1GHz(dBm)



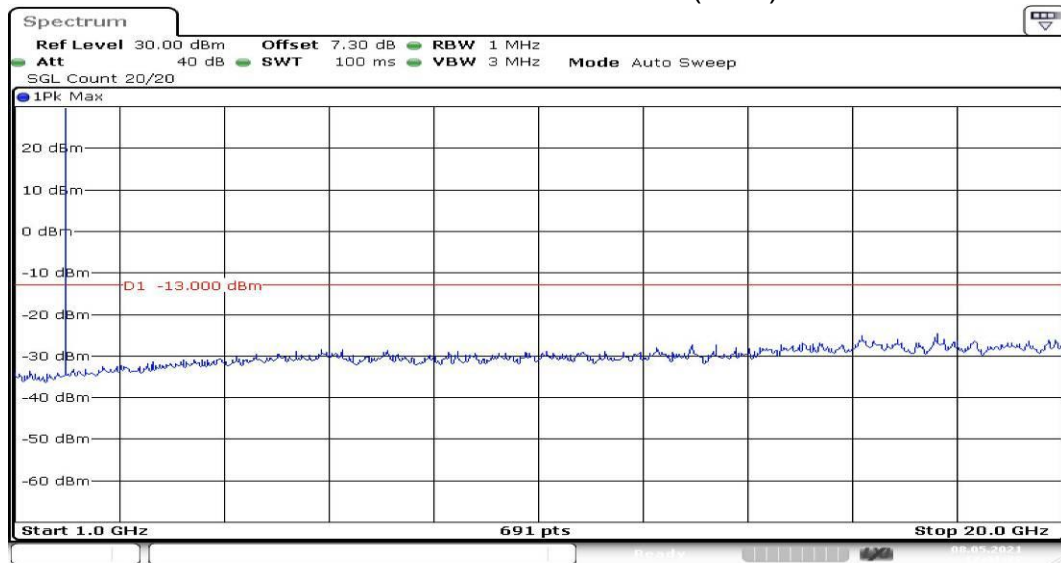
Channel 661 1GHz~20GHz(dBm)

Note: The signal beyond the limit is the signal transmitted by EUT.

EDGE (8PSK) MODE:



Channel 661 30MHz~1GHz(dBm)



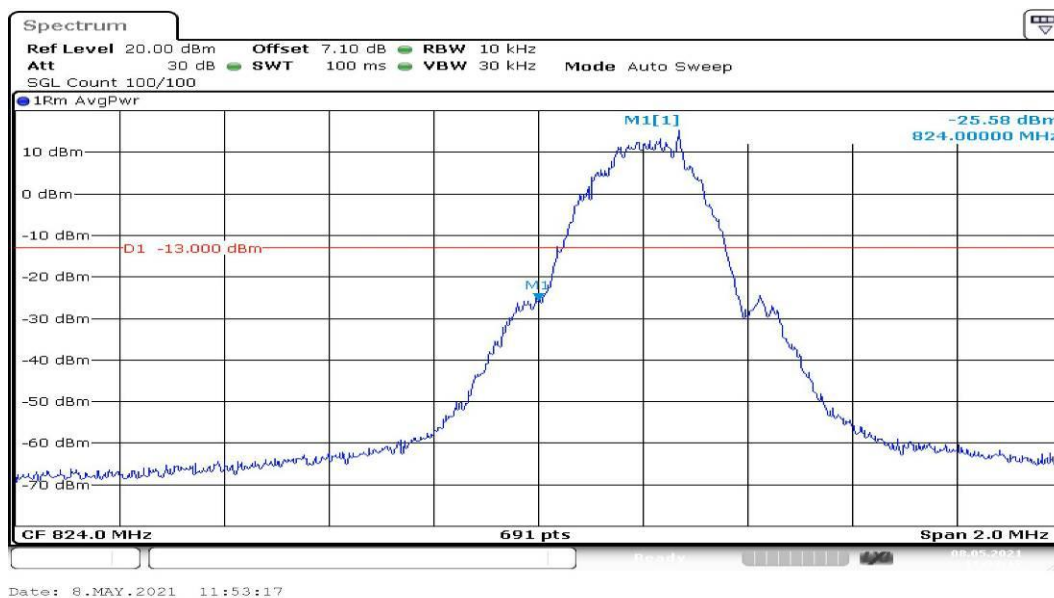
Channel 661 1GHz~20GHz(dBm)

Note: The signal beyond the limit is the signal transmitted by EUT.

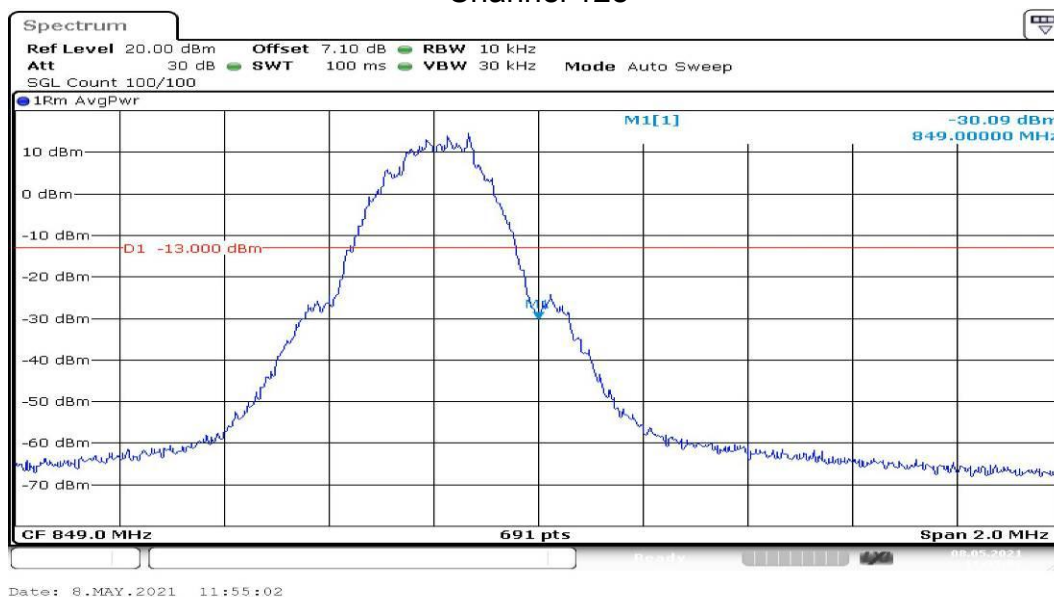
5. Band Edges Compliance

GSM850

GSM MODE:

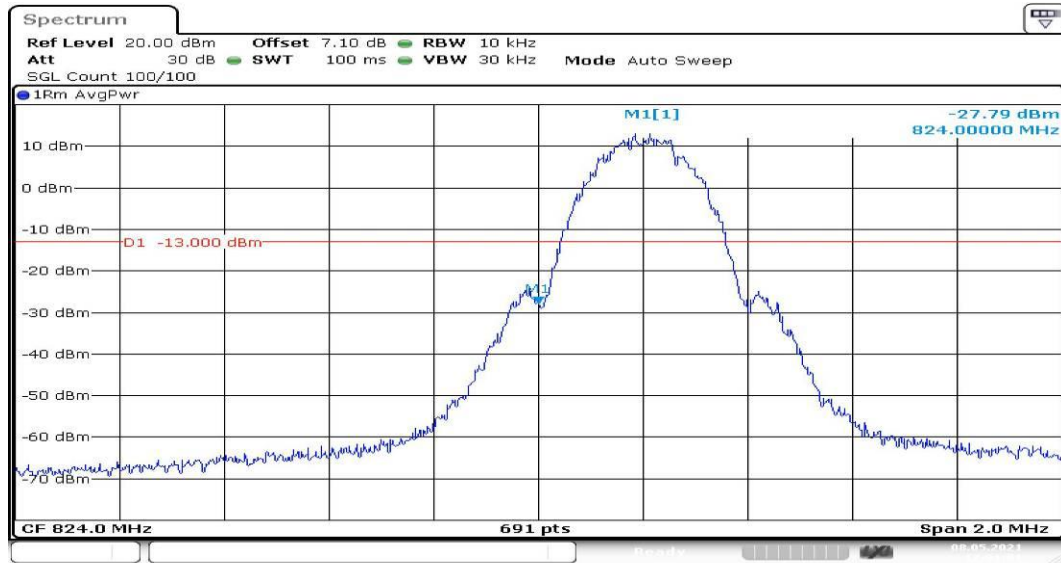


Channel 128

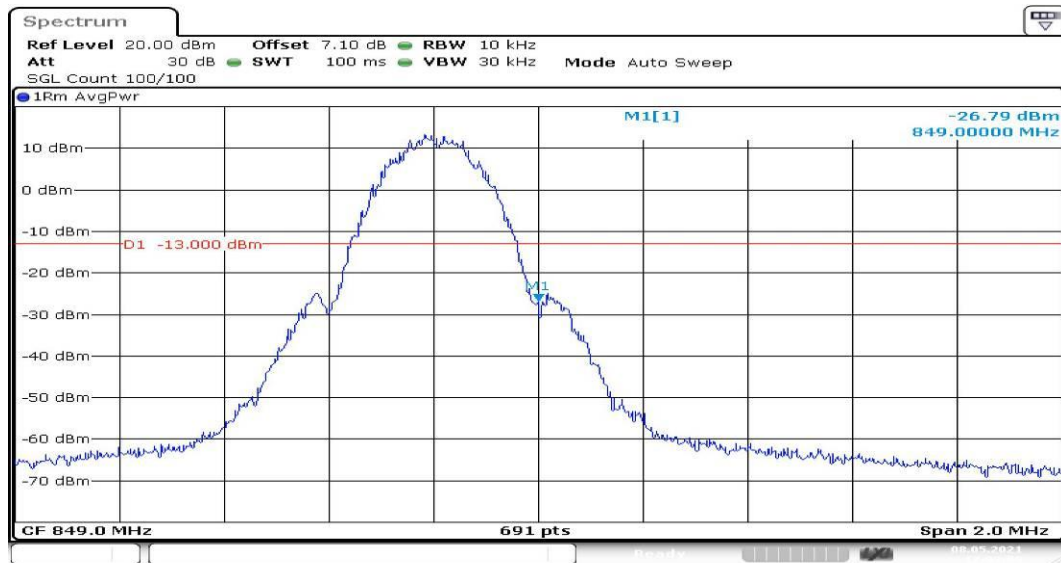


Channel 251

GPRS MODE:

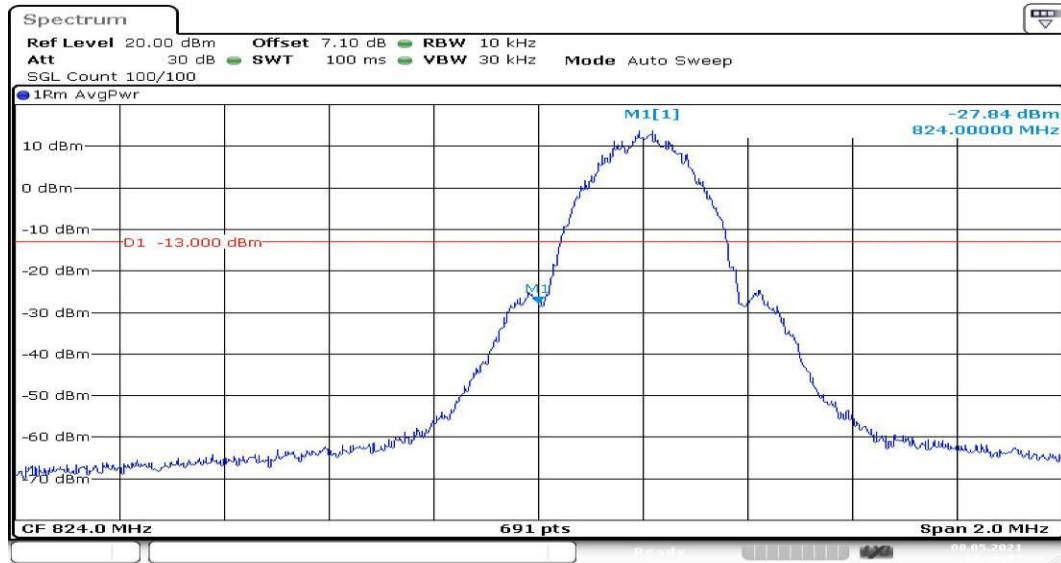


Channel 128

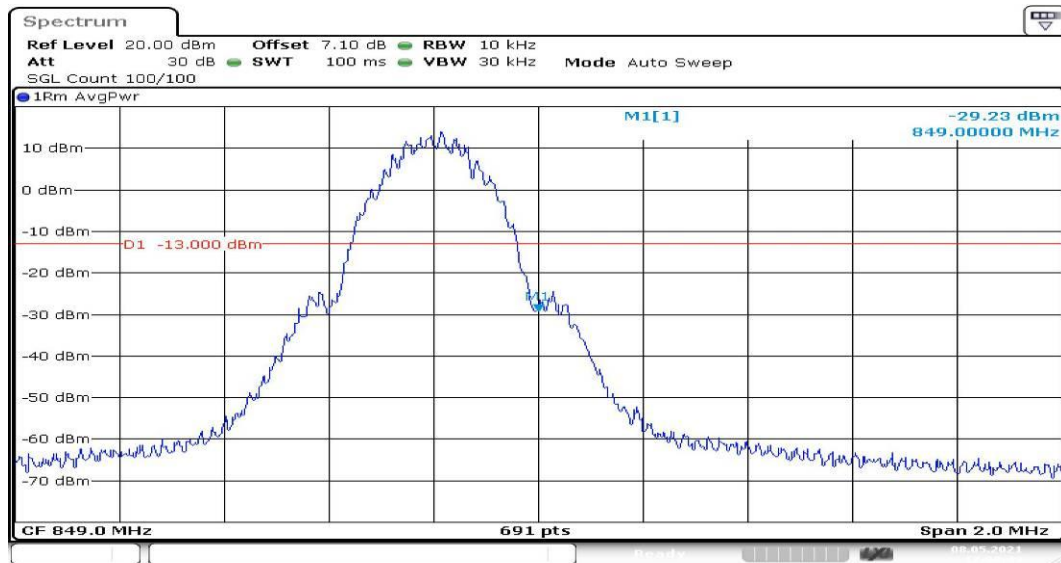


Channel 251

EDGE (8PSK) MODE:



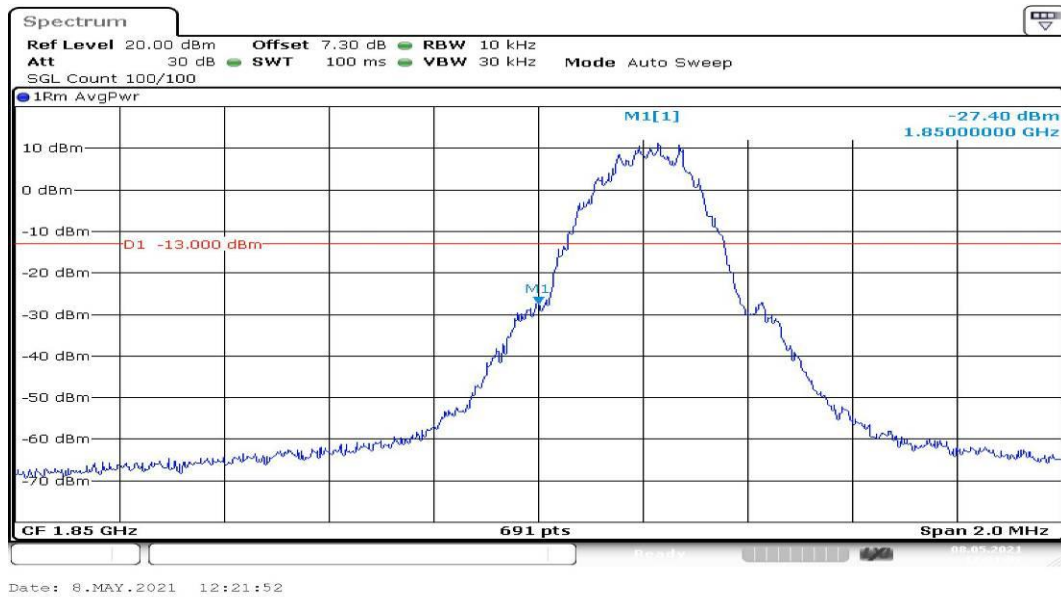
Channel 128



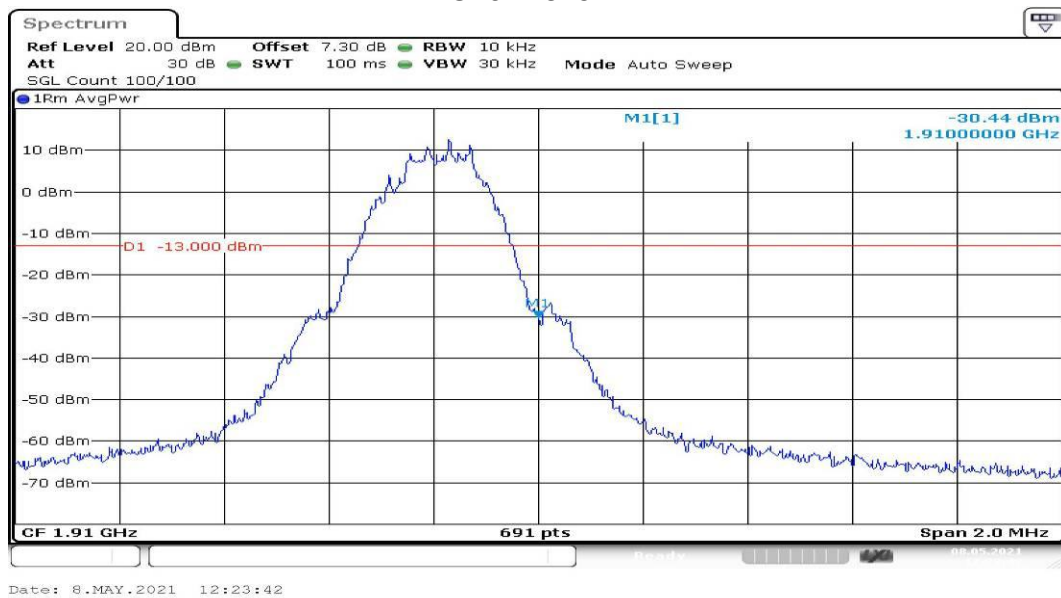
Channel 251

PCS1900

GSM MODE:

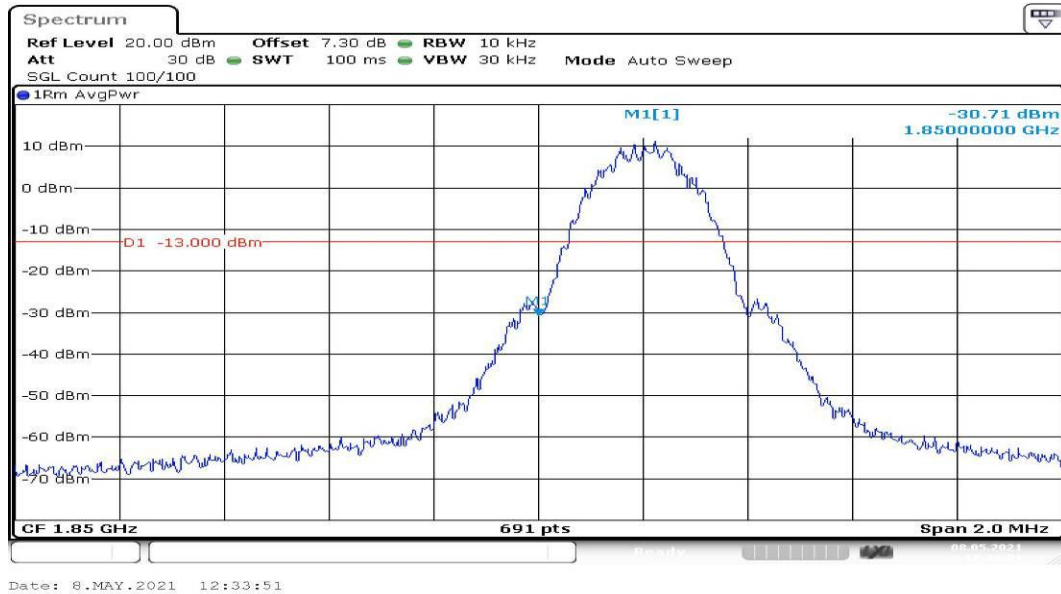


Channel 512

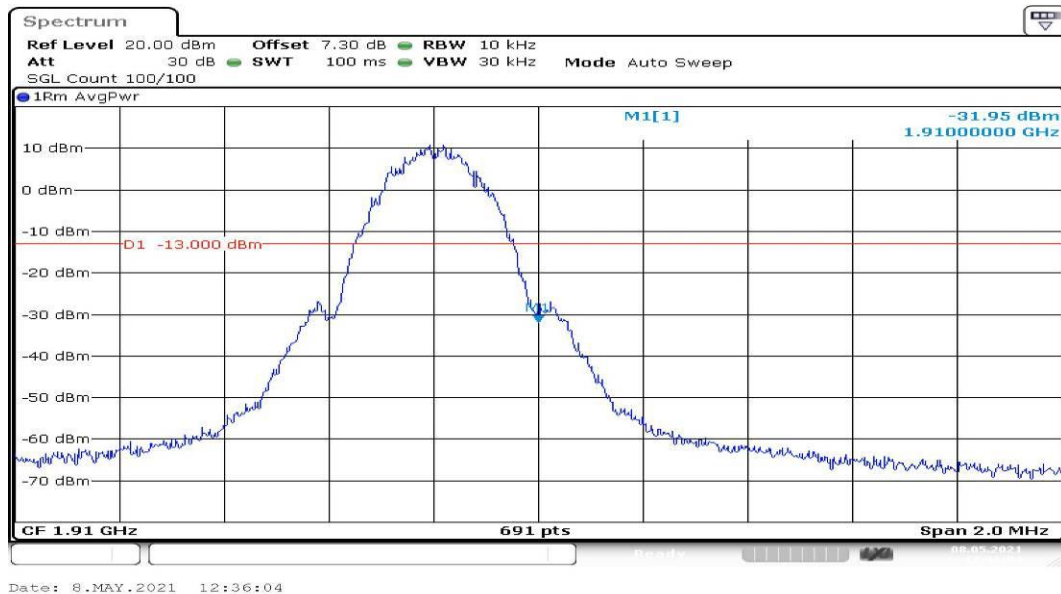


Channel 810

GPRS MODE:

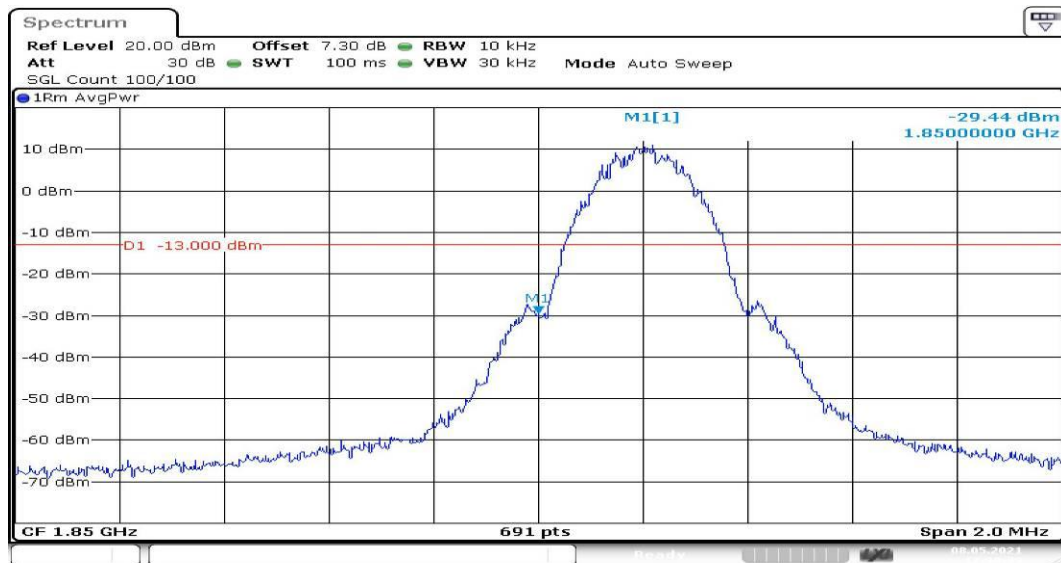


Channel 512

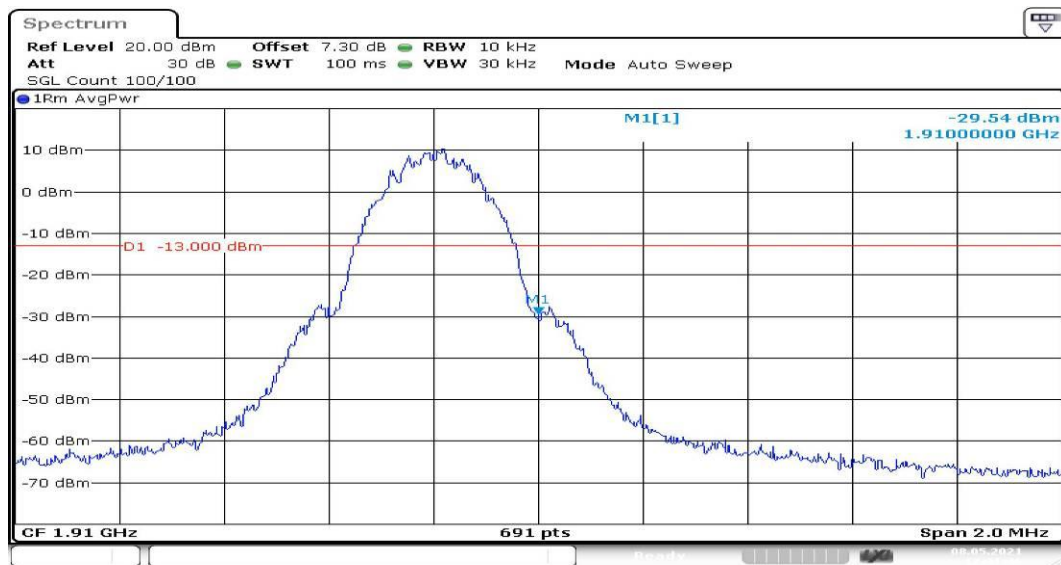


Channel 810

EDGE (8PSK) MODE:



Channel 512



Channel 810

6. Frequency Stability

GSM850

GSM MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 128	Channel 189	Channel 251
-10	0.012	0.001	-0.003
0	0.001	0.001	-0.005
+10	0.004	0.011	-0.004
+20	0.000	0.000	0.000
+30	-0.004	-0.001	-0.006
+40	0.011	-0.006	-0.008
+50	0.010	0.001	0.006
+55	0.035	0.004	0.007
Voltage	Test Result (ppm)@NT		
	Channel 128	Channel 189	Channel 251
LV	0.000	-0.005	-0.008
HV	0.003	0.001	0.002

GPRS MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 128	Channel 189	Channel 251
-10	-0.012	-0.004	-0.027
0	-0.001	0.001	-0.013
+10	-0.009	0.007	-0.021
+20	0.000	0.000	0.000
+30	-0.006	0.001	-0.016
+40	-0.010	0.017	-0.021
+50	-0.001	0.014	-0.020
+55	-0.025	-0.011	-0.014
Voltage	Test Result (ppm)@NT		
	Channel 128	Channel 189	Channel 251
LV	-0.010	0.000	-0.005
HV	-0.002	0.000	-0.024

EDGE (8PSK) MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 128	Channel 189	Channel 251
-10	0.001	0.001	-0.001
0	-0.001	0.006	-0.001
+10	0.006	0.005	0.001
+20	0.000	0.000	0.000
+30	0.003	0.013	0.000
+40	0.011	0.006	-0.008
+50	0.016	0.021	0.001
+55	-0.004	0.004	-0.005
Voltage	Test Result (ppm)@NT		
	Channel 128	Channel 189	Channel 251
LV	0.006	0.001	-0.009
HV	0.004	0.000	-0.007

PCS1900

GSM MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-10	-0.002	0.006	-0.001
0	-0.008	0.001	-0.007
+10	-0.001	-0.001	0.000
+20	0.000	0.000	0.000
+30	-0.005	-0.003	-0.006
+40	-0.005	-0.014	0.005
+50	-0.005	-0.001	-0.007
+55	-0.003	0.001	-0.003
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	-0.001	-0.001	-0.005
HV	-0.004	0.002	-0.005

GPRS MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-10	0.000	-0.003	0.001
0	0.005	0.003	0.003
+10	0.007	0.002	0.002
+20	0.000	0.000	0.000
+30	0.007	-0.004	0.008
+40	0.002	-0.001	0.001
+50	0.012	0.000	0.000
+55	0.000	-0.003	0.000
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	0.003	0.003	-0.002
HV	0.004	0.001	0.000

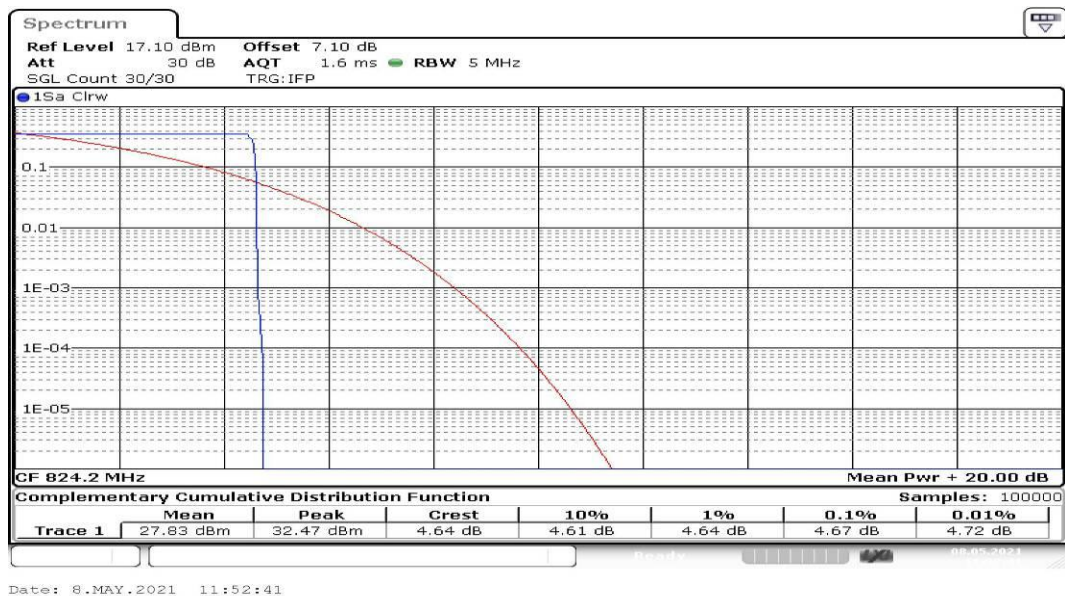
EDGE (8PSK) MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-10	-0.001	-0.006	-0.006
0	-0.001	-0.006	-0.004
+10	0.000	-0.008	0.001
+20	0.000	0.000	0.000
+30	-0.002	-0.007	-0.004
+40	-0.002	-0.005	-0.005
+50	0.002	-0.006	-0.005
+55	-0.002	-0.005	0.002
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	-0.003	-0.006	-0.001
HV	-0.002	-0.004	-0.004

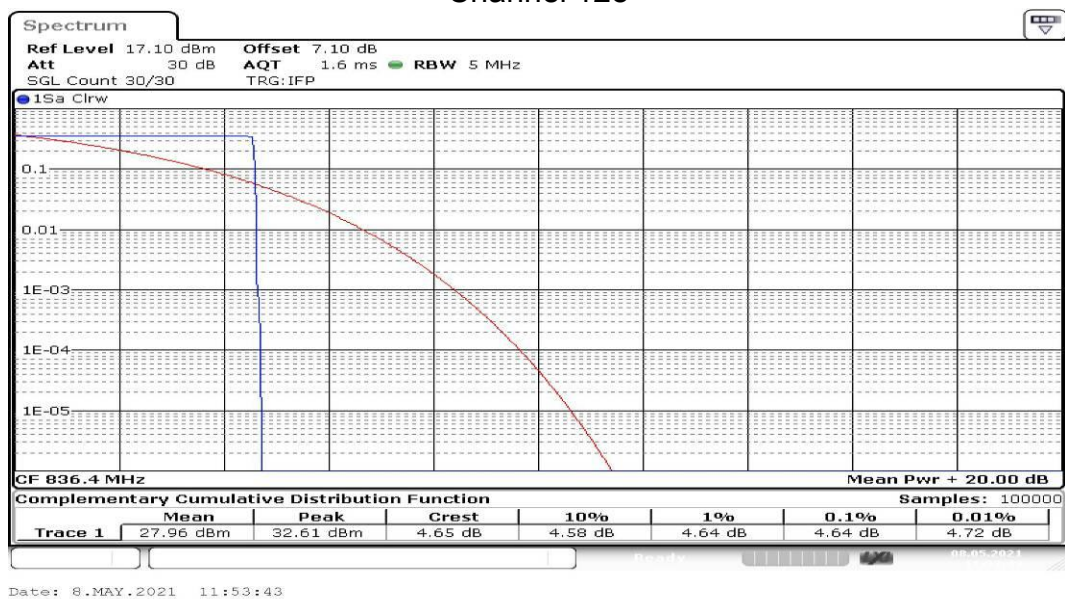
7. Peak-Average Ratio

GSM850

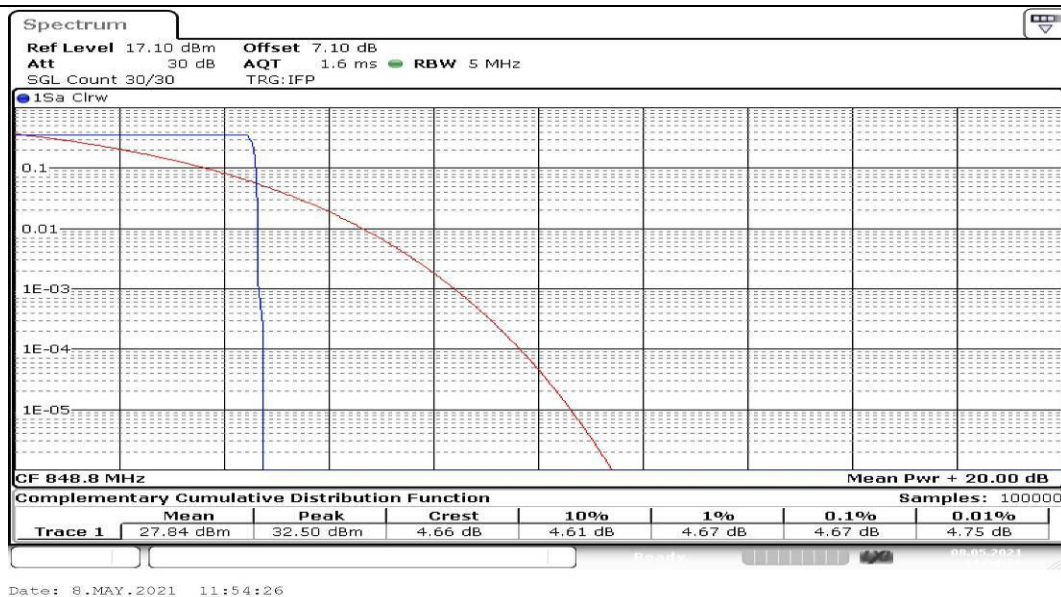
GSM MODE:



Channel 128

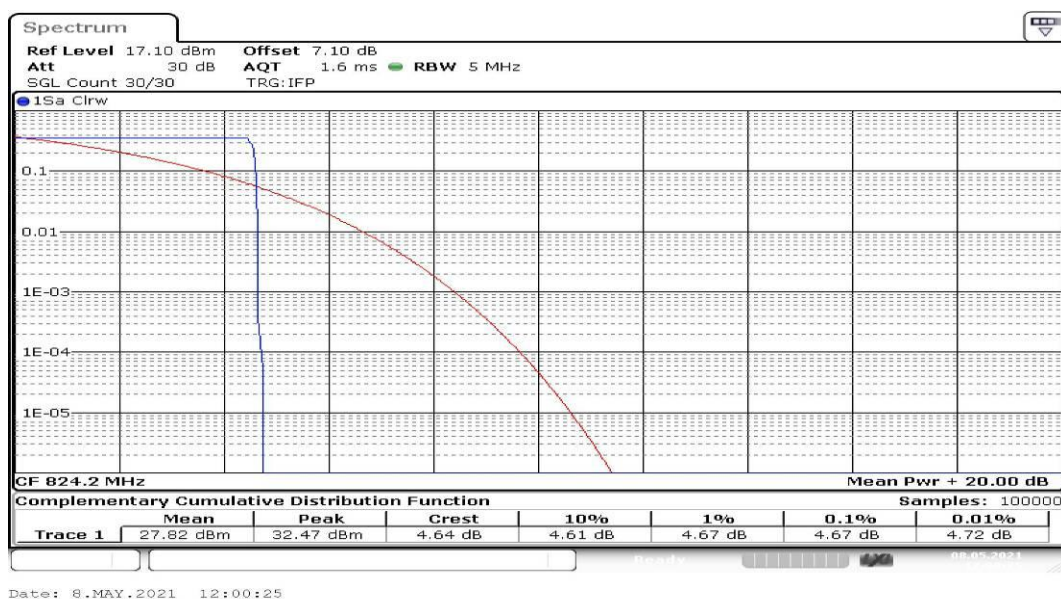


Channel 189

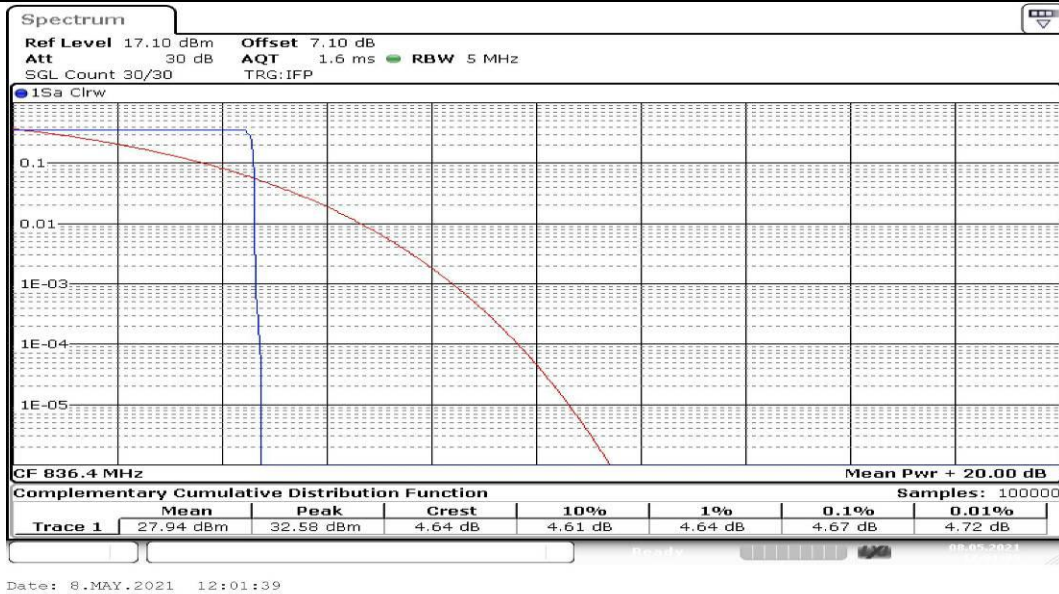


Channel 251

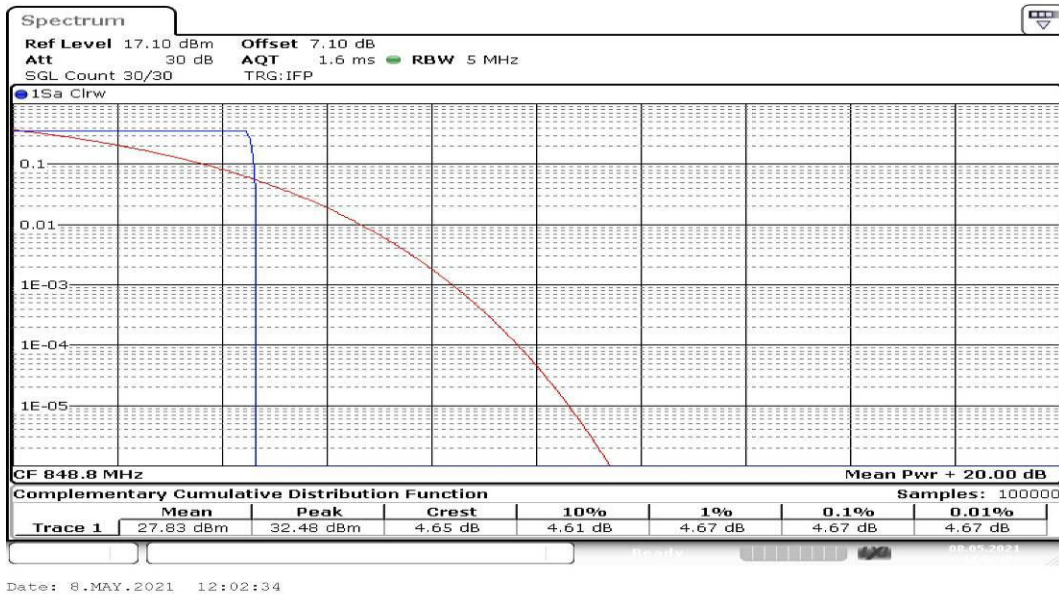
GPRS MODE:



Channel 128

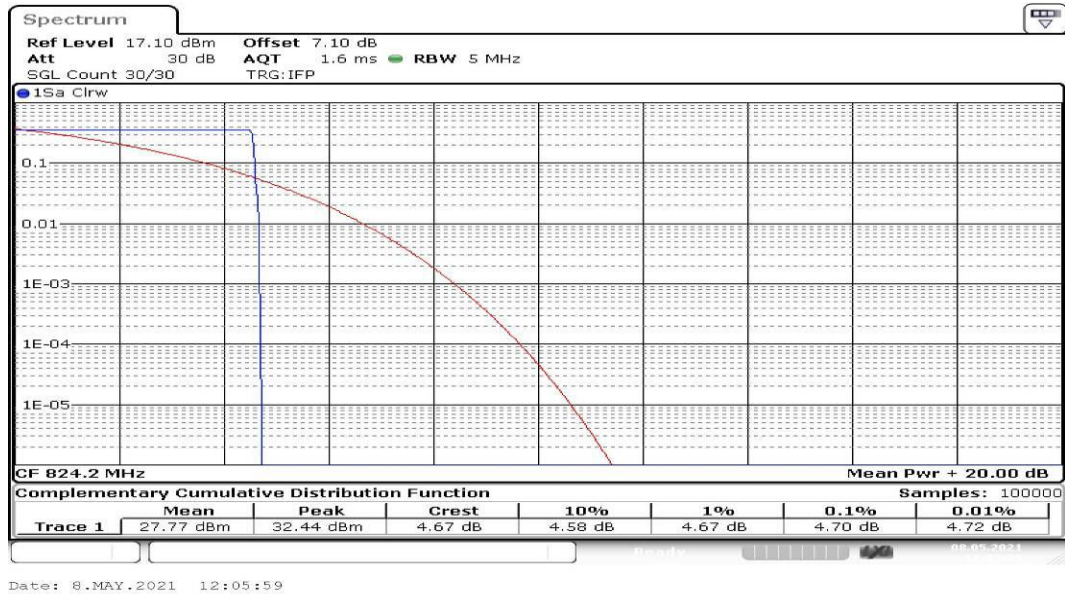


Channel 189

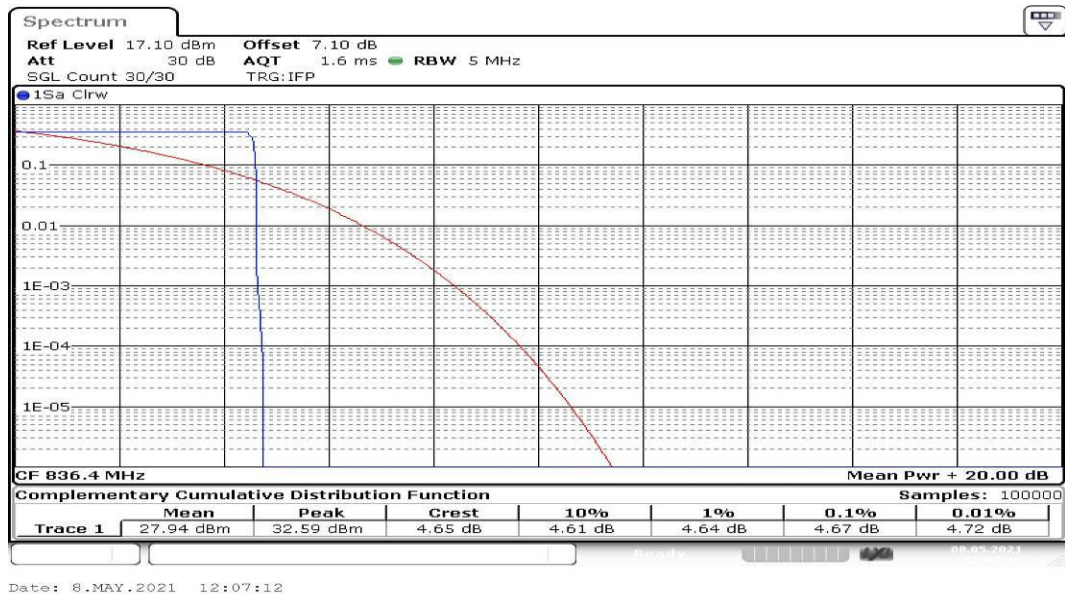


Channel 251

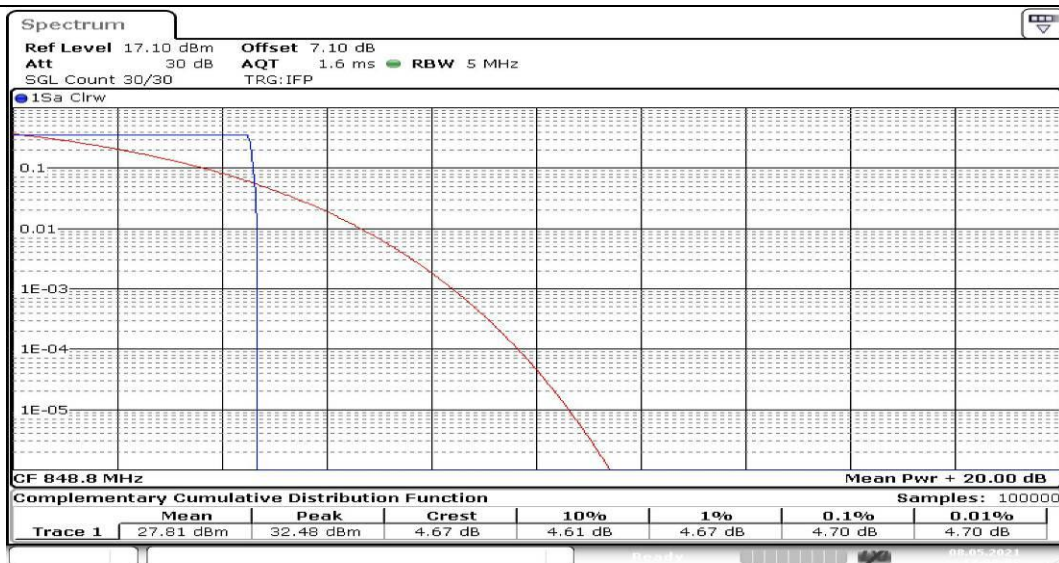
EDGE (8PSK) MODE:



Channel 128



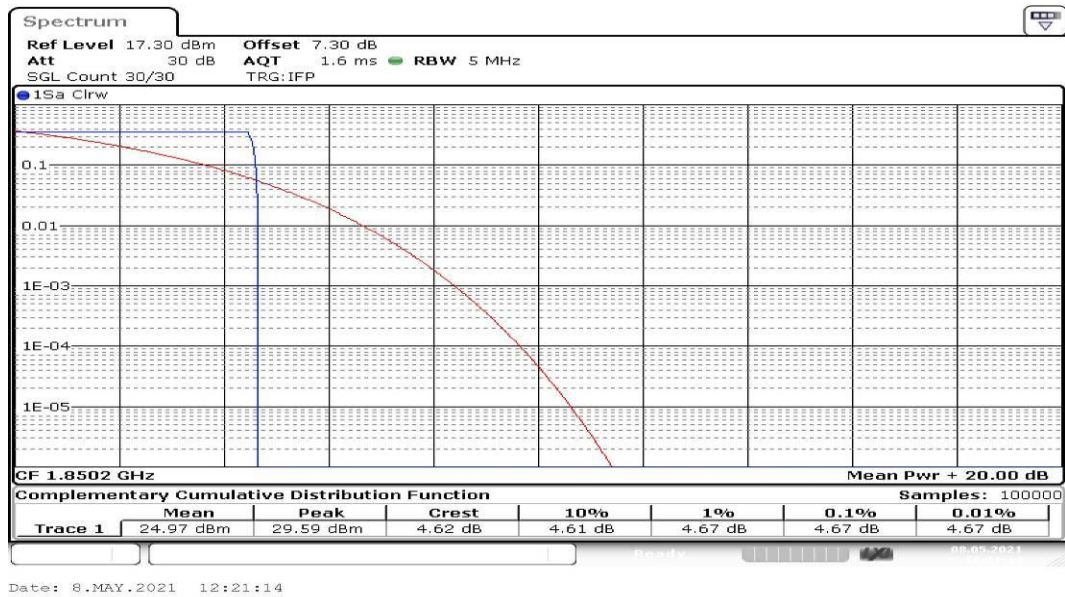
Channel 189



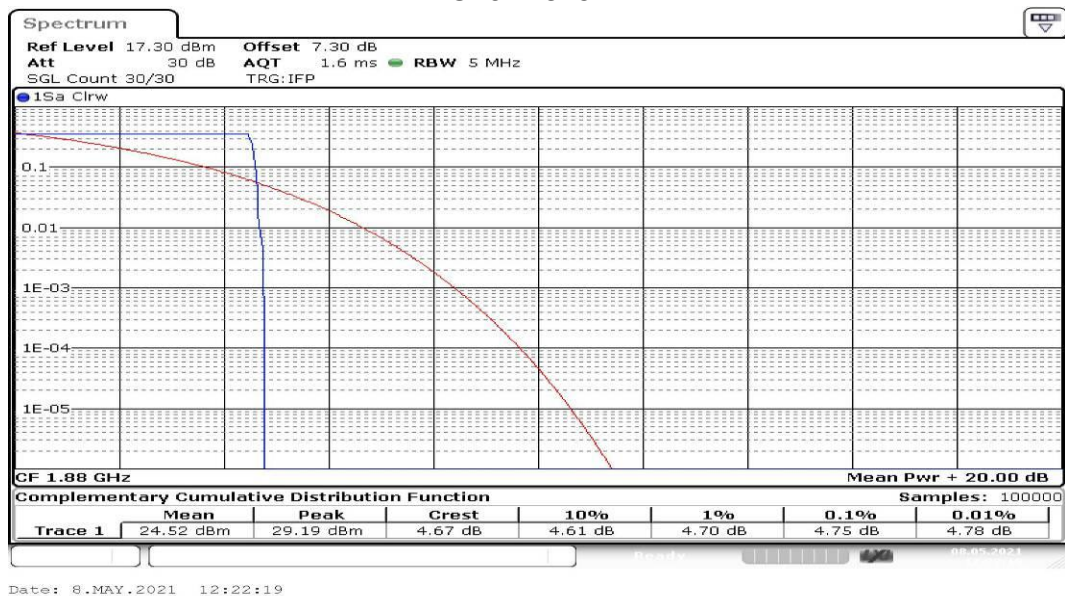
Date: 8.MAY.2021 12:08:07

Channel 251

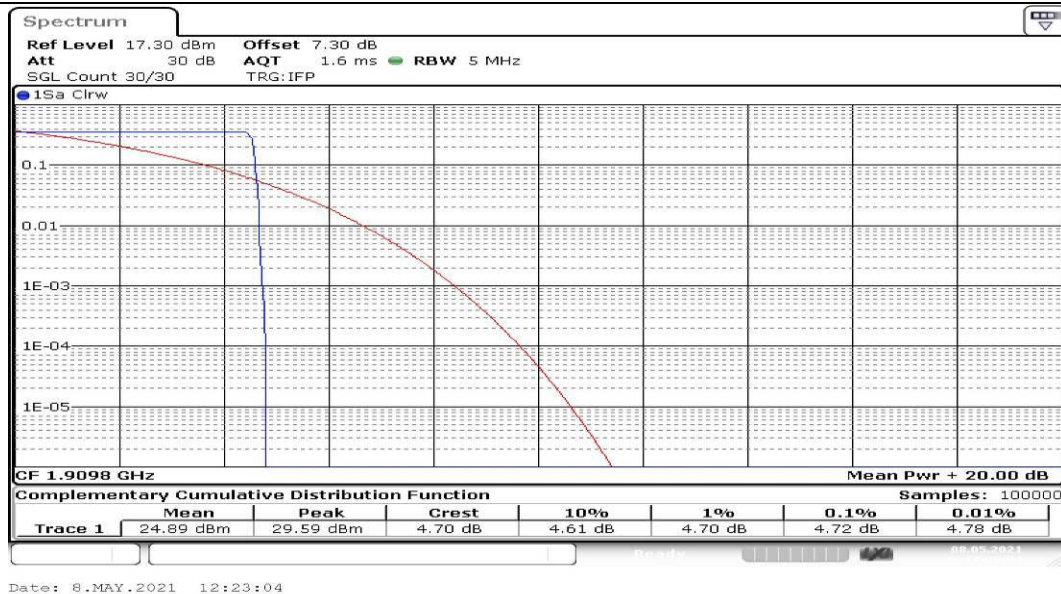
PCS1900
GSM MODE:



Channel 512

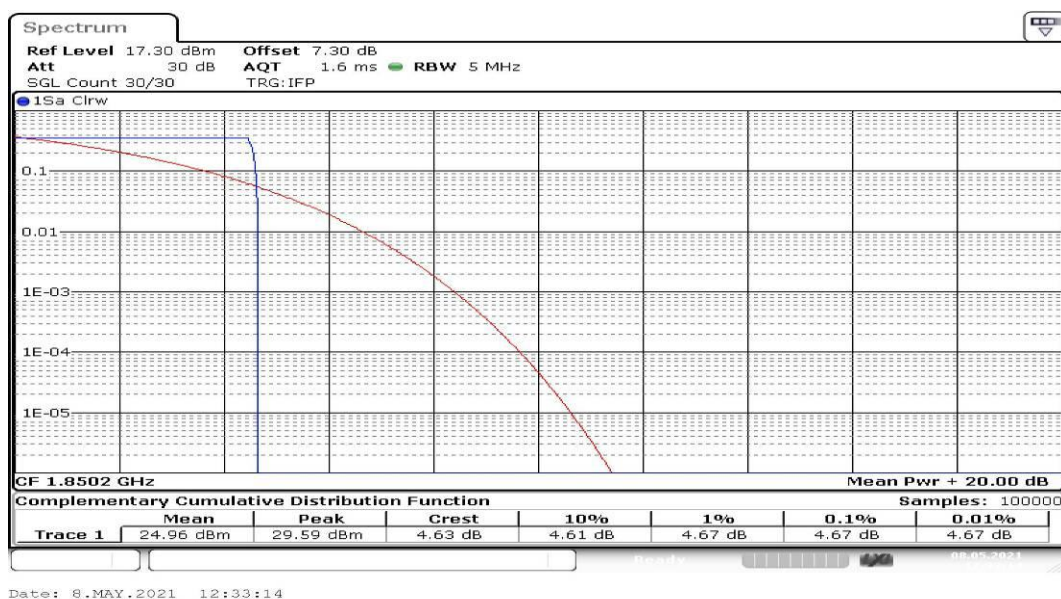


Channel 661

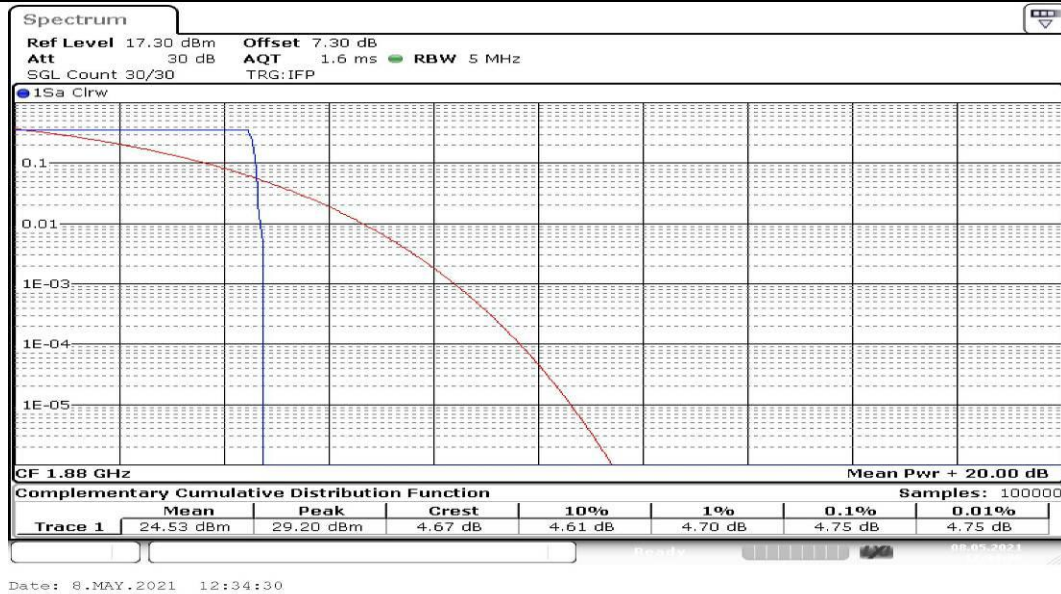


Channel 810

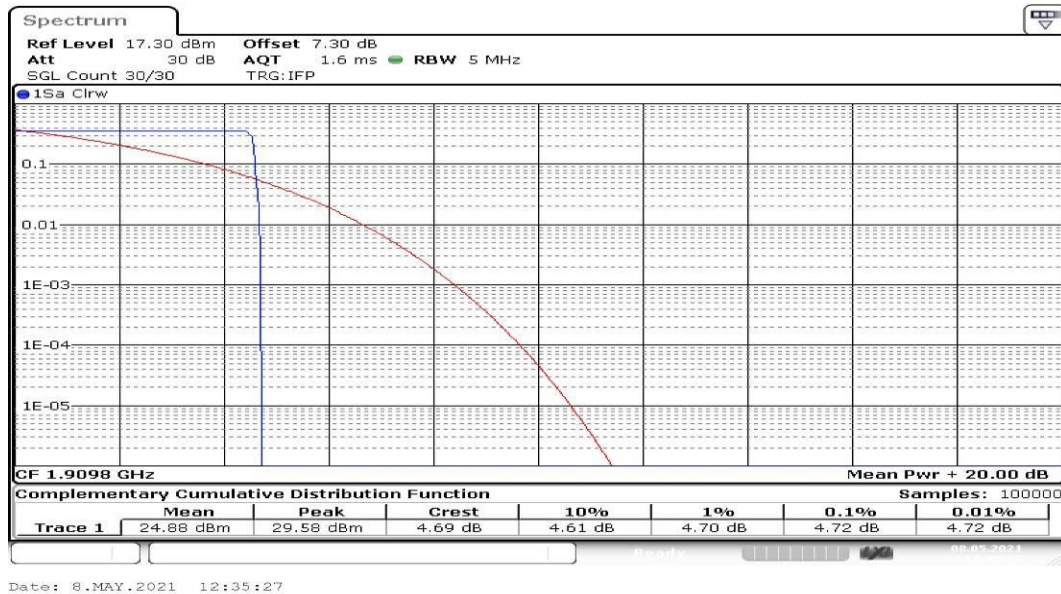
GPRS MODE:



Channel 512

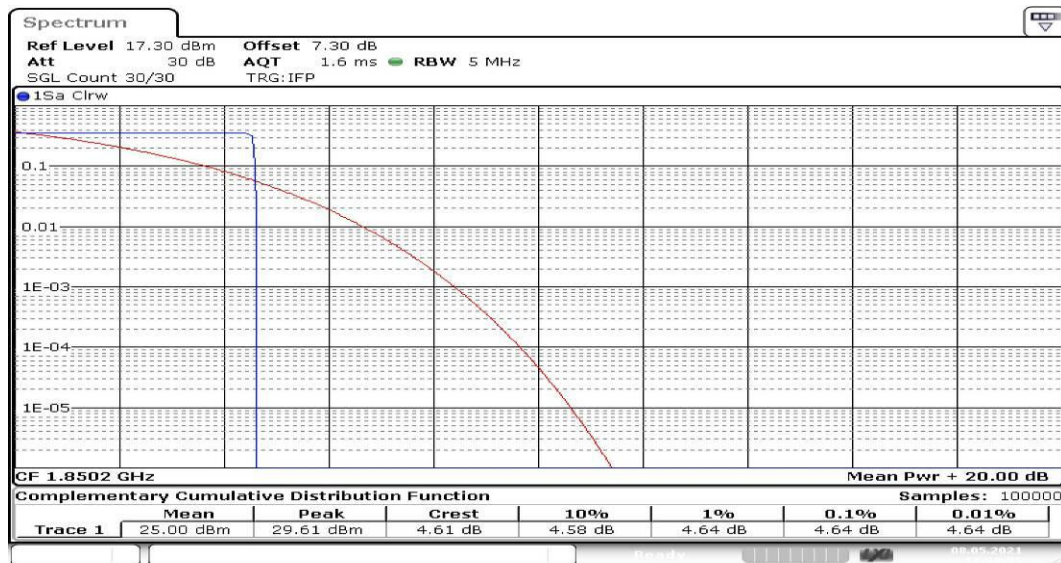


Channel 661

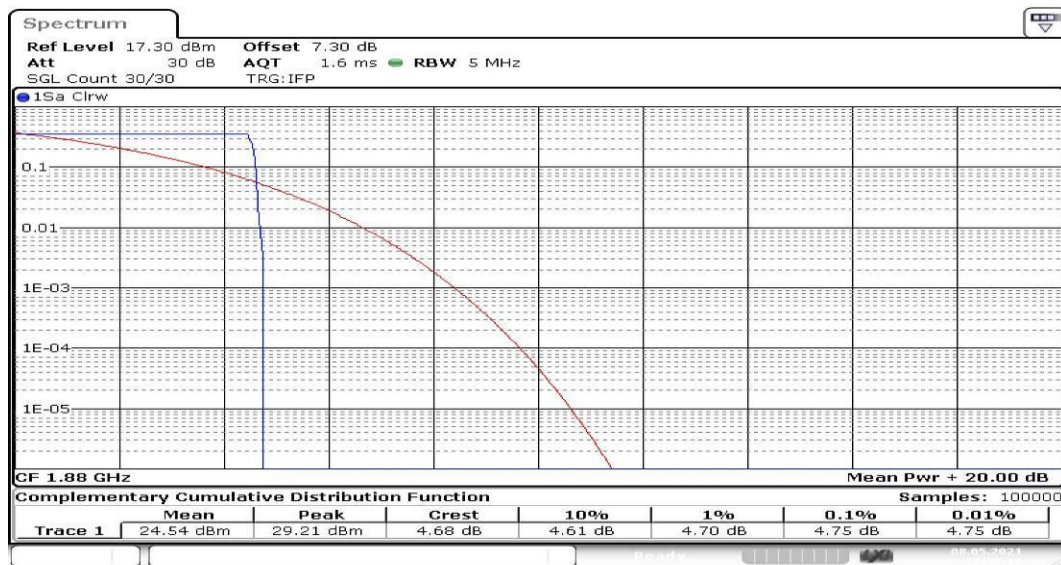


Channel 810

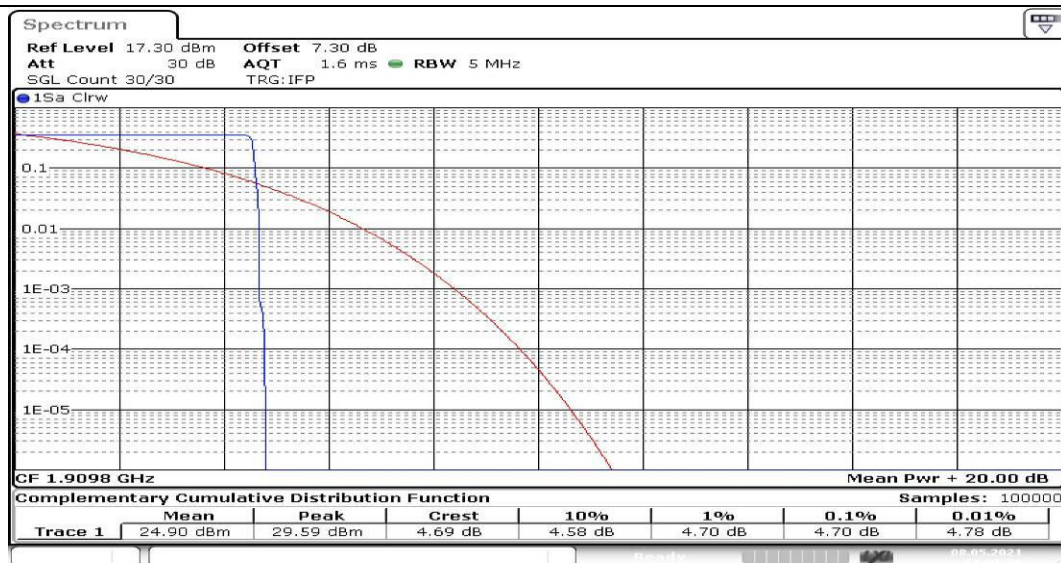
EDGE (8PSK) MODE:



Channel 512



Channel 661



Date: 8.MAY.2021 12:41:08

Channel 810

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	32.68	25.43	0.349
836.4	189	32.82	25.57	0.361
848.8	251	32.71	25.46	0.351

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Moce	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
824.2	128	4Downlink1uplink	32.70	25.45	0.351
836.4	189		32.84	25.59	0.362
848.8	251		32.70	25.45	0.351
824.2	128	3Downlink2uplink	30.73	23.48	0.223
836.4	189		30.87	23.62	0.230
848.8	251		30.91	23.66	0.232
824.2	128	2Downlink3uplink	29.08	21.83	0.152
836.4	189		29.21	21.96	0.157
848.8	251		29.25	22.00	0.158
824.2	128	1Downlink4uplink	27.15	19.90	0.098
836.4	189		27.28	20.03	0.101
848.8	251		27.31	20.06	0.101

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Moce	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
824.2	128	8PSK 4Downlink1uplink	26.43	19.18	0.083
836.4	189		26.41	19.16	0.082
848.8	251		26.37	19.12	0.082
824.2	128	8PSK 3Downlink2uplink	27.84	20.59	0.115
836.4	189		26.22	18.97	0.079
848.8	251		26.15	18.90	0.078
824.2	128	8PSK 2Downlink3uplink	25.05	17.80	0.060
836.4	189		25.72	18.47	0.070
848.8	251		25.02	17.77	0.060
824.2	128	8PSK 1Downlink4uplink	24.32	17.07	0.051
836.4	189		23.67	16.42	0.044
848.8	251		24.28	17.03	0.050

PCS1900

GSM Measured Power:

Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	29.99	28.69	0.739
1880	661	29.52	28.22	0.663
1909.8	810	29.85	28.55	0.716

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Moce	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	4Downlink1uplink	29.99	28.69	0.740
1880	661		29.53	28.23	0.666
1909.8	810		29.85	28.55	0.716
1850.2	512	3Downlink2uplink	27.78	26.48	0.444
1880	661		27.18	25.88	0.387
1909.8	810		27.53	26.23	0.419
1850.2	512	2Downlink3uplink	26.32	25.02	0.318
1880	661		25.63	24.33	0.271
1909.8	810		26.00	24.70	0.295
1850.2	512	1Downlink4uplink	24.34	23.04	0.201
1880	661		23.69	22.39	0.174
1909.8	810		24.03	22.73	0.188

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Moce	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	8PSK 4Downlink1uplink	26.16	24.86	0.306
1880	661		25.82	24.52	0.283
1909.8	810		26.90	25.60	0.363
1850.2	512	8PSK 3Downlink2uplink	25.91	24.61	0.289
1880	661		25.68	24.38	0.274
1909.8	810		25.58	24.28	0.268
1850.2	512	8PSK 2Downlink3uplink	25.27	23.97	0.249
1880	661		25.07	23.77	0.238
1909.8	810		24.88	23.58	0.228
1850.2	512	8PSK 1Downlink4uplink	23.35	22.05	0.160
1880	661		22.88	21.58	0.144
1909.8	810		22.71	21.41	0.138

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Spurious Emissions

850 Test result:

GSM/GPRS MODE Channel 128:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.73	-52.31	-13	Vertical
1665.80	-51.41	-13	Vertical
2533.64	-43.58	-13	Vertical
2575.60	-42.62	-13	Vertical
8963.79	-39.96	-13	Vertical
9971.14	-35.67	-13	Vertical

EDGE (8PSK) MODE Channel 128:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.53	-52.74	-13	Vertical
1667.25	-51.15	-13	Vertical
2534.11	-43.70	-13	Vertical
2576.83	-43.48	-13	Horizontal
8965.80	-39.39	-13	Vertical
9968.99	-35.38	-13	Vertical

GSM/GPRS MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.53	-52.35	-13	Vertical
1668.07	-51.45	-13	Vertical
2532.77	-43.56	-13	Horizontal
2576.36	-43.22	-13	Vertical
8962.92	-39.41	-13	Vertical
9967.97	-35.56	-13	Vertical

EDGE (8PSK) MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.72	-52.83	-13	Vertical
1664.47	-51.19	-13	Vertical
2533.25	-43.99	-13	Vertical
2574.80	-43.46	-13	Vertical
8962.36	-39.51	-13	Horizontal
9970.88	-36.04	-13	Vertical

GSM/GPRS MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.41	-52.28	-13	Vertical
1666.90	-51.14	-13	Vertical
2534.58	-43.90	-13	Vertical
2576.17	-42.94	-13	Horizontal
8965.01	-39.24	-13	Vertical
9970.79	-35.81	-13	Vertical

EDGE (8PSK) MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.92	-52.81	-13	Vertical
1665.25	-51.40	-13	Horizontal
2535.58	-43.46	-13	Vertical
2574.31	-43.21	-13	Vertical
8963.17	-39.96	-13	Vertical
9970.88	-35.63	-13	Vertical

1900 Test result:

GSM/GPRS MODE Channel 512

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2453.40	-52.47	-13	Vertical
2781.97	-51.35	-13	Vertical
3728.91	-43.93	-13	Vertical
6679.00	-43.62	-13	Vertical
9964.42	-39.74	-13	Vertical
17820.53	-35.58	-13	Vertical

EDGE (8PSK) MODE Channel 512:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.02	-53.18	-13	Vertical
2779.91	-52.22	-13	Vertical
3727.39	-43.68	-13	Vertical
6678.55	-43.15	-13	Horizontal
9961.95	-40.36	-13	Vertical
17821.83	-35.54	-13	Vertical

GSM/GPRS MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2453.20	-52.47	-13	Vertical
2781.15	-51.47	-13	Vertical
3730.38	-43.71	-13	Vertical
6677.71	-43.39	-13	Vertical
9964.00	-39.95	-13	Horizontal
17822.86	-35.36	-13	Vertical

EDGE (8PSK) MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2455.20	-52.86	-13	Vertical
2778.28	-51.54	-13	Vertical
3729.68	-43.43	-13	Horizontal
6678.73	-43.12	-13	Vertical
9963.21	-40.04	-13	Vertical
17821.86	-35.96	-13	Vertical

GSM/GPRS MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.50	-52.78	-13	Vertical
2779.75	-52.25	-13	Vertical
3729.02	-43.78	-13	Horizontal
6678.06	-43.65	-13	Horizontal
9963.10	-39.63	-13	Vertical
17820.61	-35.86	-13	Vertical

EDGE (8PSK) MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2455.06	-52.60	-13	Vertical
2779.06	-51.35	-13	Vertical
3727.86	-44.20	-13	Vertical
6676.76	-43.28	-13	Vertical
9963.24	-40.02	-13	Horizontal
17821.38	-35.52	-13	Vertical

---End of Test Report---