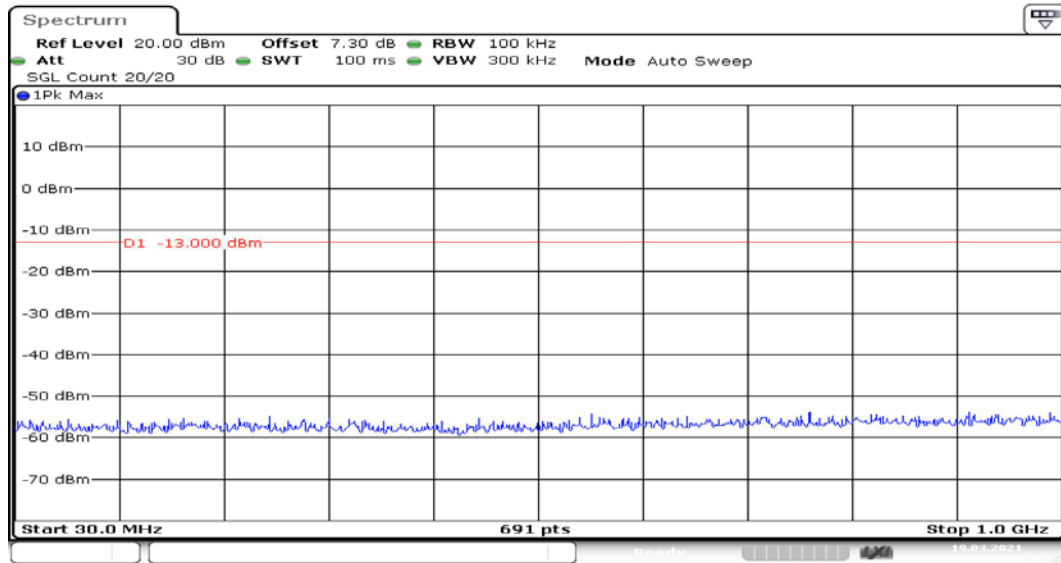
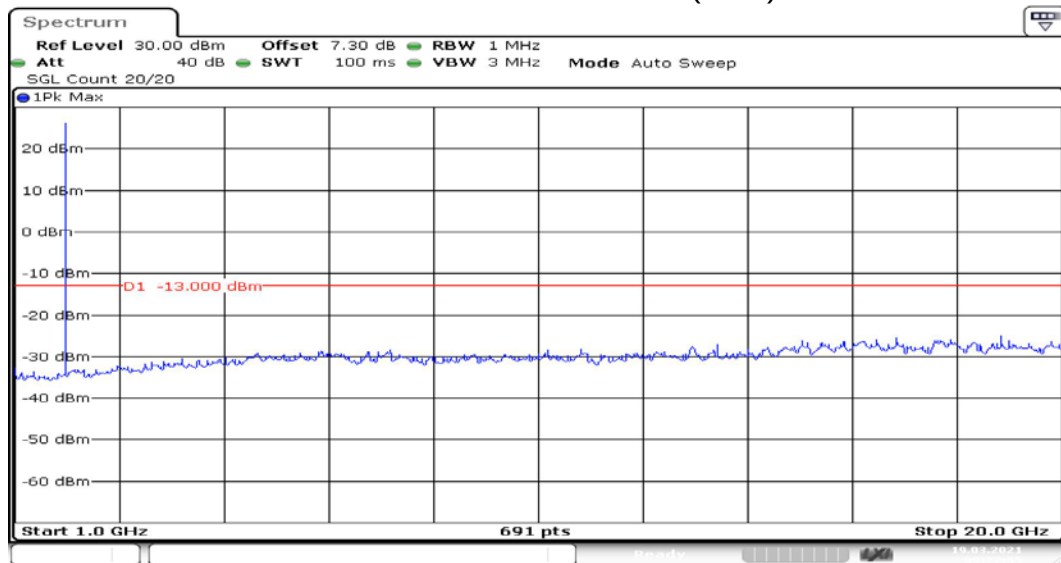


EDGE(8PSK) MODE:



Date: 19.MAR.2021 09:27:46

Channel 661 30MHz~1GHz(dBm)



Date: 19.MAR.2021 09:27:55

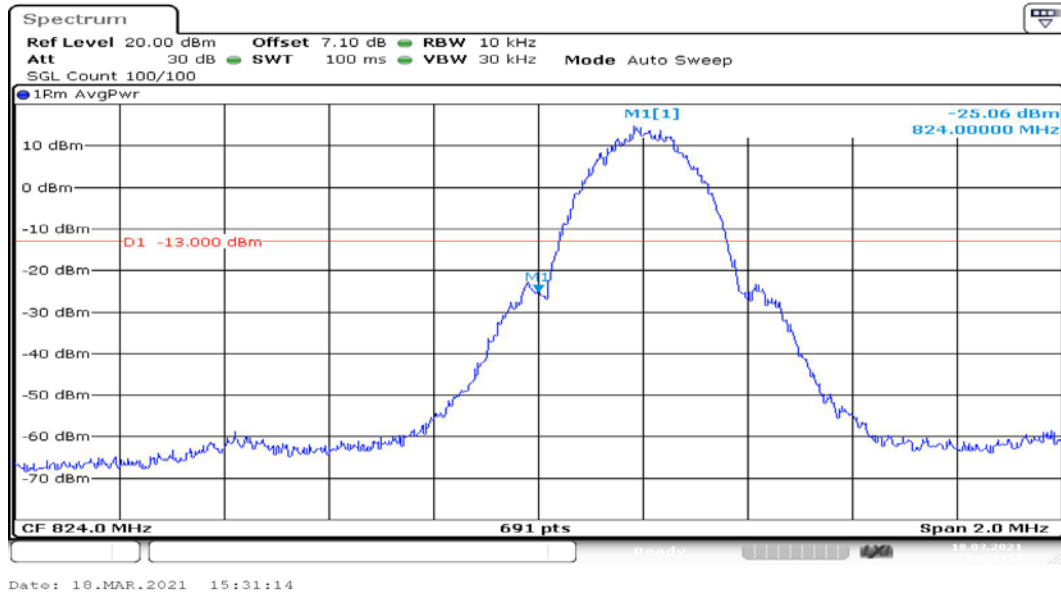
Channel 661 1GHz~20GHz(dBm)

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

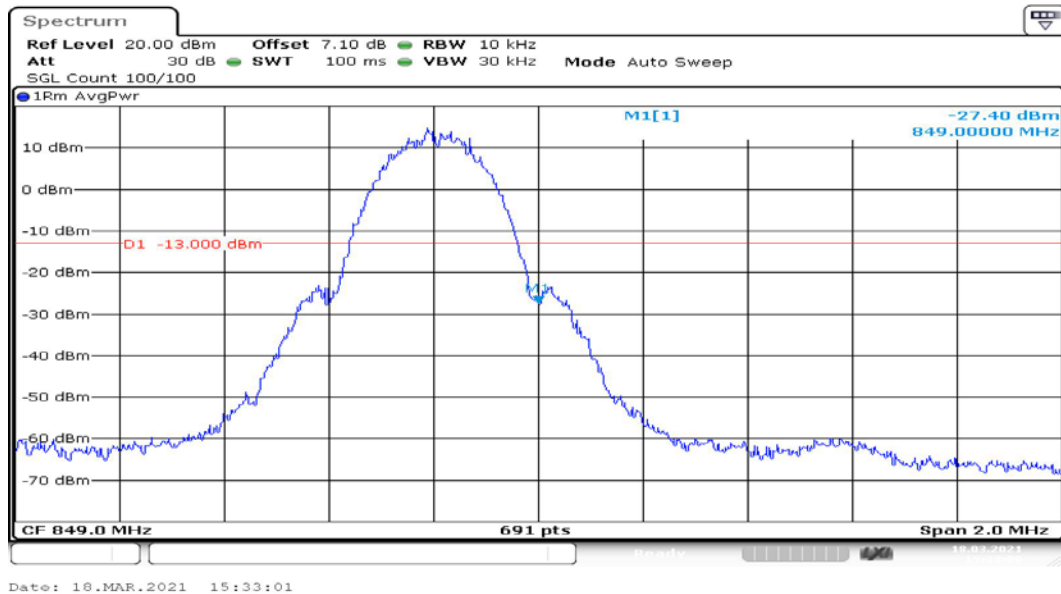
5. Band Edges Compliance

GSM850

GSM MODE:

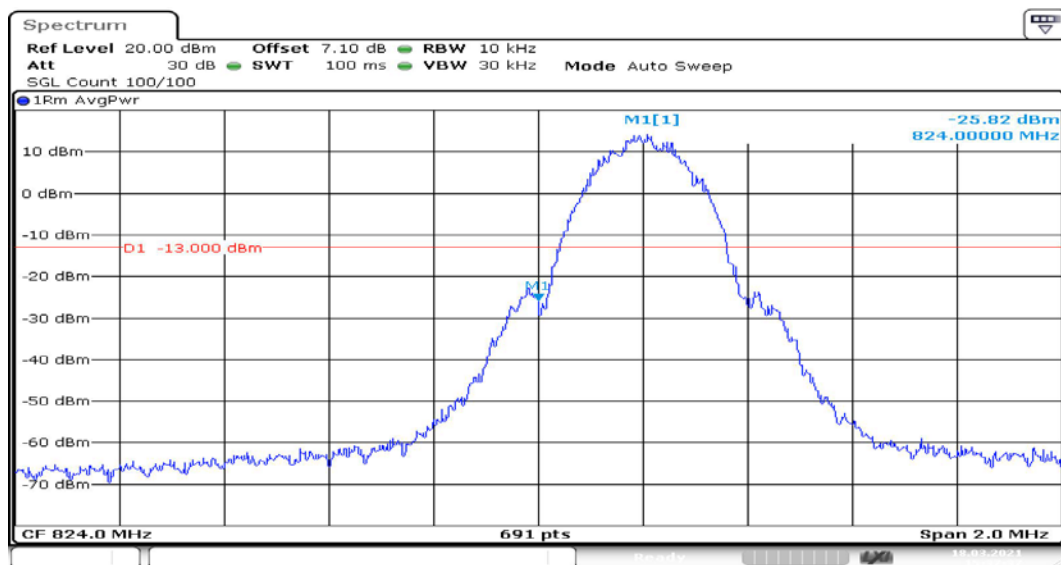


Channel 128

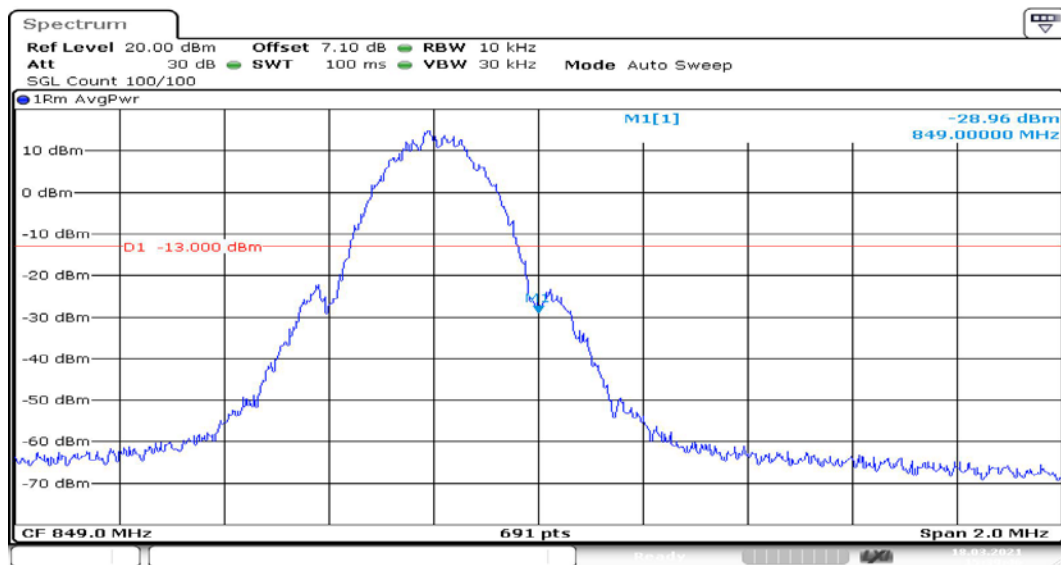


Channel 251

GPRS MODE:

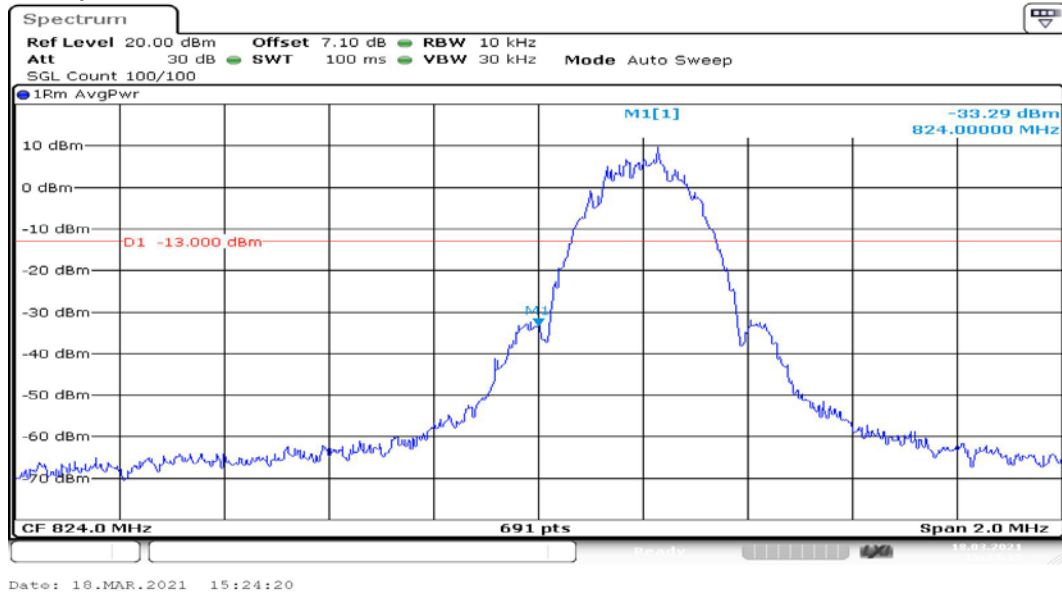


Channel 128

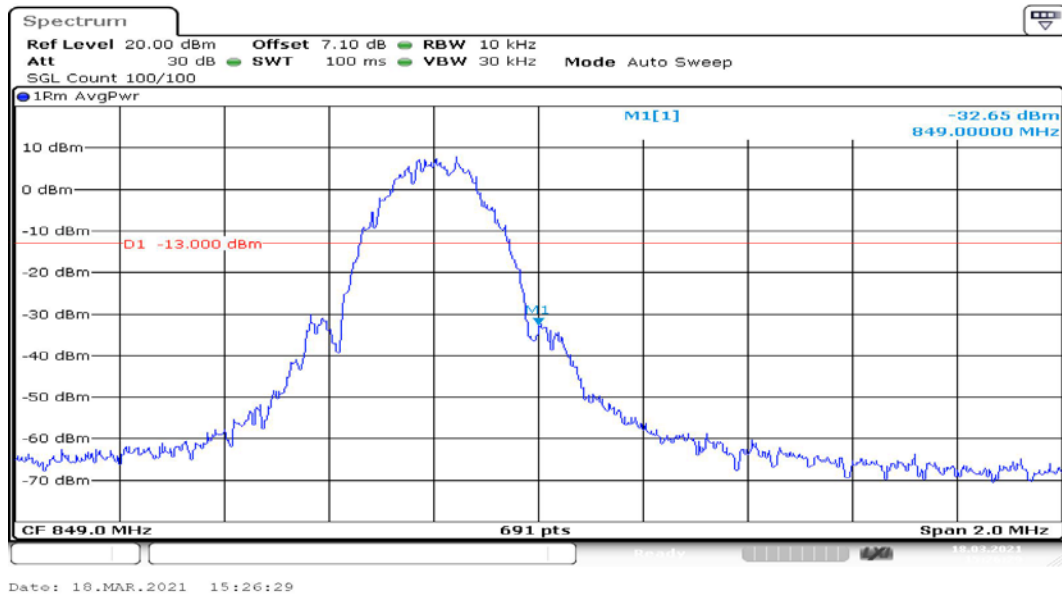


Channel 251

EDGE (8PSK) MODE:



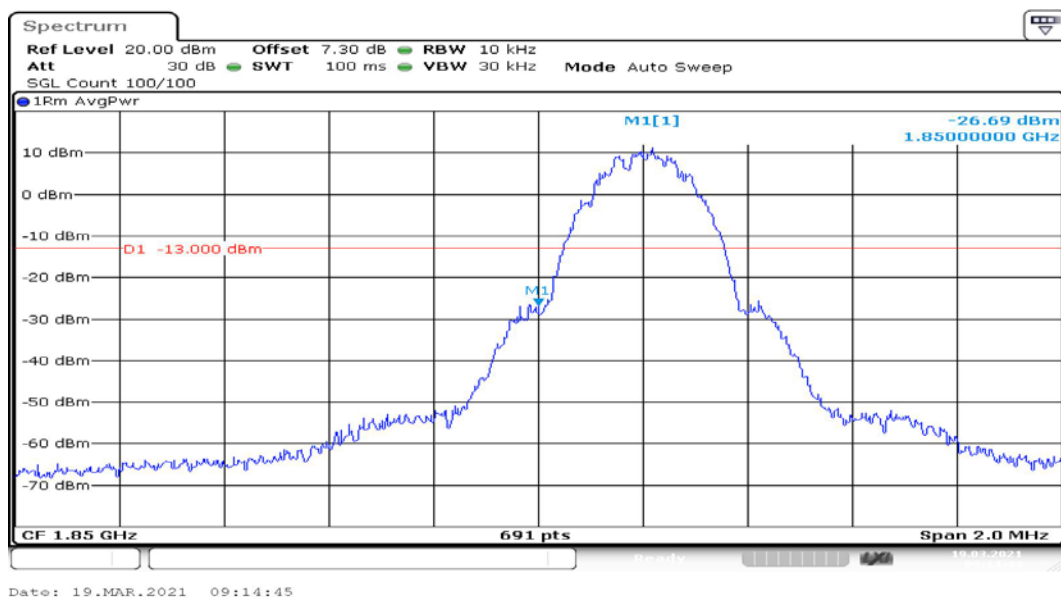
Channel 128



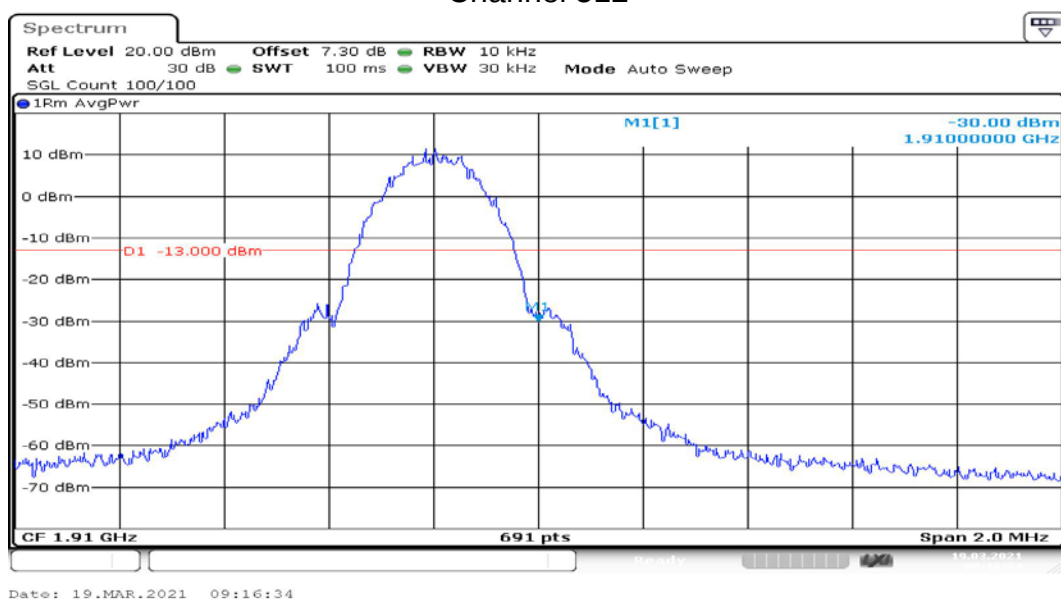
Channel 251

PCS1900

GSM MODE:

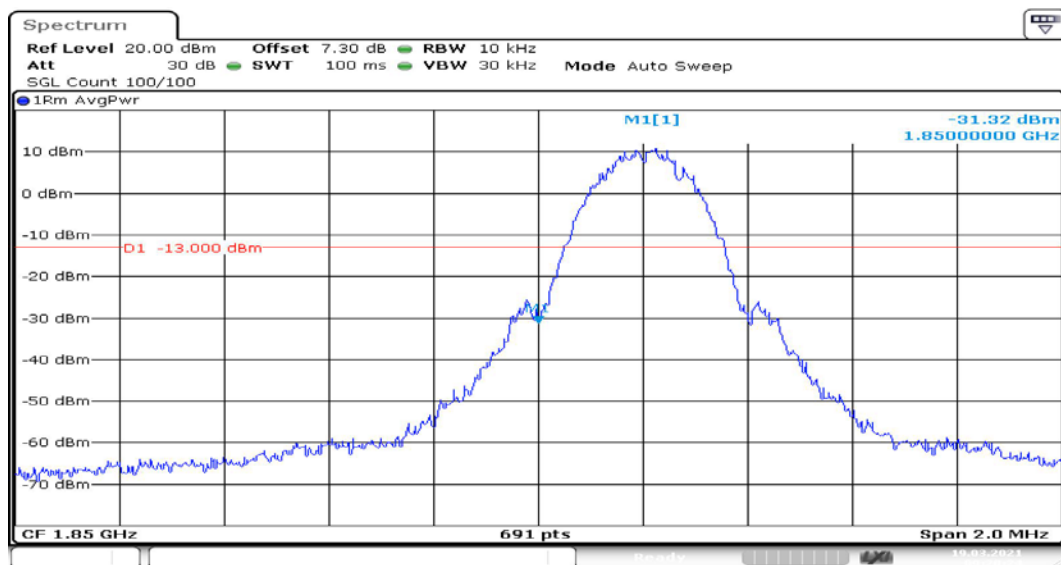


Channel 512

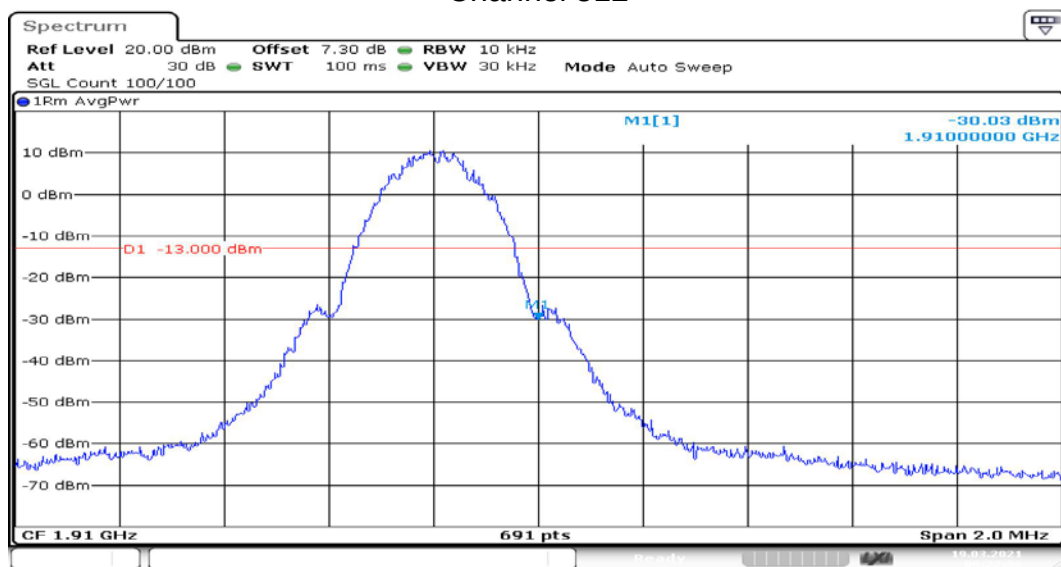


Channel 810

GPRS MODE:

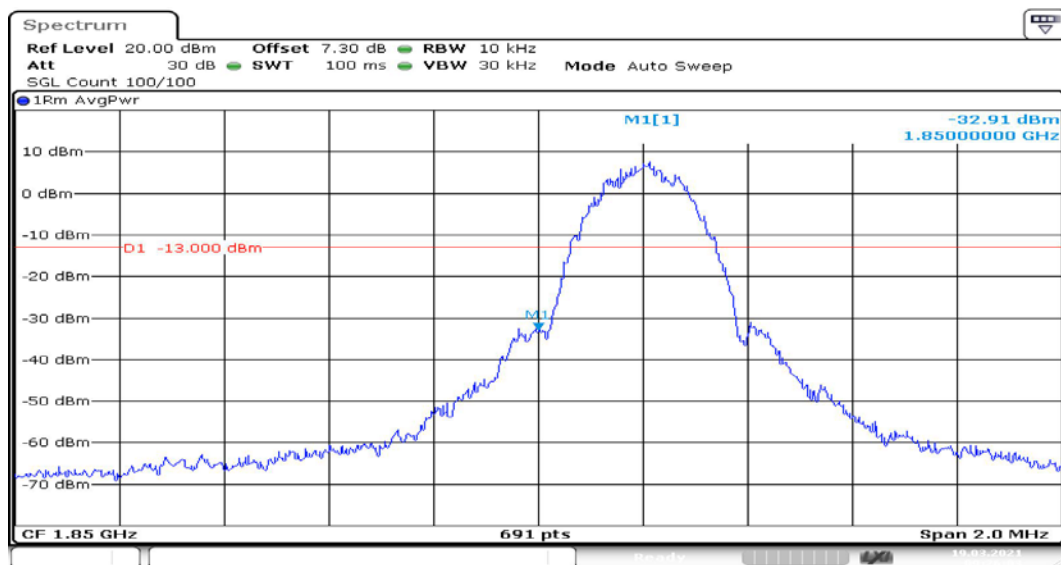


Channel 512



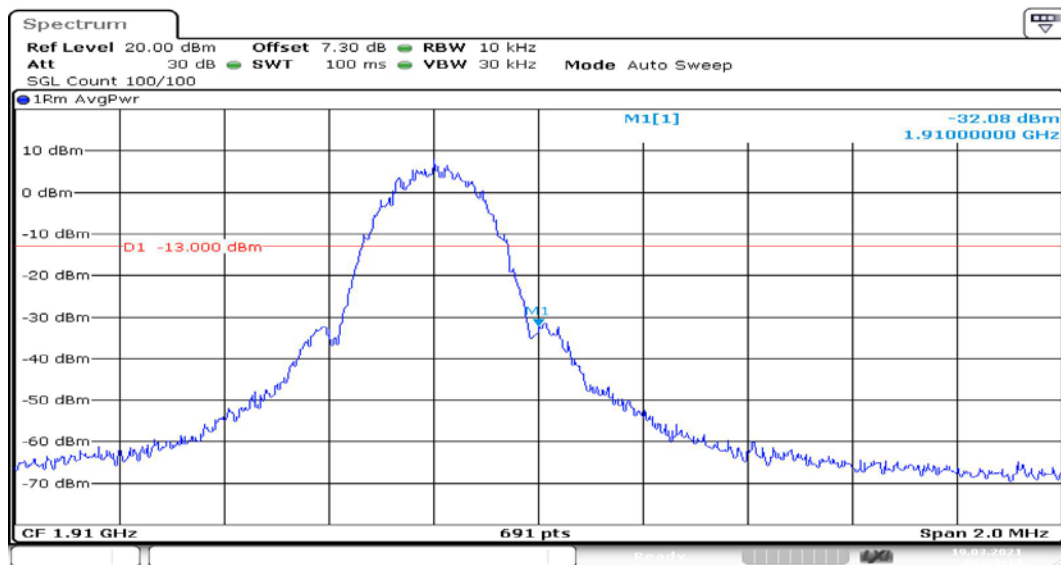
Channel 810

EDGE (8PSK) MODE:



Date: 19.MAR.2021 09:26:03

Channel 512



Date: 19.MAR.2021 09:28:14

Channel 810

6. Frequency Stability

GSM850

GSM MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 128	Channel 189	Channel 251
-10	-0.002	0.001	-0.004
0	0.013	0.006	-0.002
+10	0.003	0.001	-0.012
+20	0.000	0.000	0.000
+30	-0.007	-0.001	-0.015
+40	0.005	0.003	0.012
+50	-0.009	-0.002	-0.007
+55	-0.004	0.001	-0.013
Voltage	Test Result (ppm)@NT		
	Channel 128	Channel 189	Channel 251
LV	-0.001	0.008	-0.009
HV	-0.001	0.015	-0.006

GPRS MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 128	Channel 189	Channel 251
-10	-0.030	-0.022	0.009
0	-0.034	-0.015	0.030
+10	-0.027	-0.016	-0.013
+20	0.000	0.000	0.000
+30	-0.027	-0.020	0.002
+40	0.011	0.013	0.003
+50	-0.035	0.001	-0.005
+55	-0.036	-0.008	-0.008
Voltage	Test Result (ppm)@NT		
	Channel 128	Channel 189	Channel 251
LV	-0.034	-0.013	0.005
HV	-0.023	-0.003	-0.011

EDGE (8PSK) MODE:

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

PCS1900

GSM MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-10	-0.005	-0.003	-0.006
0	-0.004	-0.003	-0.005
+10	-0.001	-0.005	0.000
+20	-0.007	-0.009	-0.007
+30	-0.003	-0.001	-0.004
+40	0.000	0.000	0.000
+50	-0.005	0.003	-0.005
+55	-0.002	-0.004	-0.009
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	0.004	-0.006	-0.007
HV	-0.004	-0.004	-0.006

GPRS MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-10	0.024	0.015	0.003
0	0.006	0.008	0.007
+10	0.017	0.007	0.003
+20	0.000	0.000	0.000
+30	0.005	0.010	-0.005
+40	0.005	0.007	0.002
+50	0.001	0.004	-0.005
+55	0.005	0.008	0.004
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	0.007	0.005	-0.003
HV	0.008	0.013	0.000

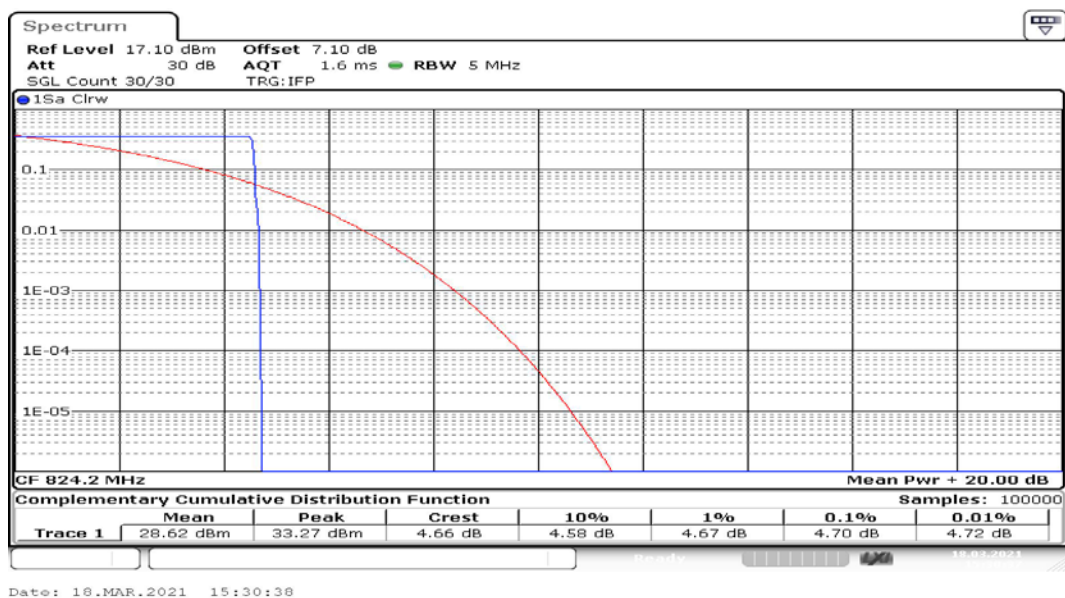
EDGE (8PSK) MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-10	0.001	-0.001	0.007
0	0.007	0.004	0.007
+10	0.005	0.013	0.009
+20	0.000	0.000	0.000
+30	0.007	0.011	0.010
+40	0.012	0.009	0.005
+50	0.003	0.007	0.005
+55	0.000	0.009	0.014
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	0.000	0.001	0.002
HV	-0.004	0.004	0.004

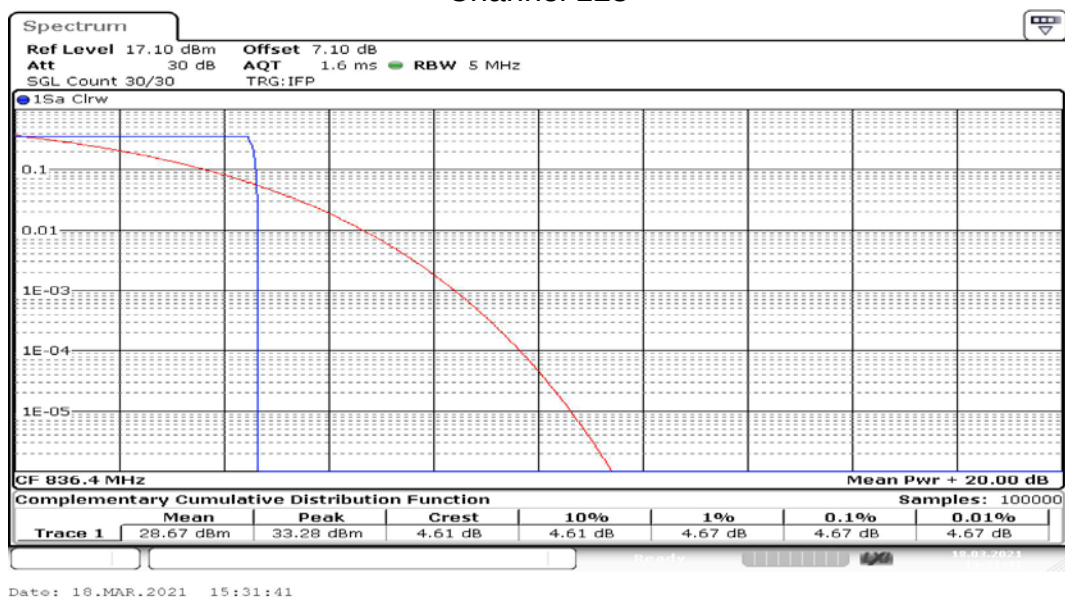
7. Peak-Average Ratio

GSM850

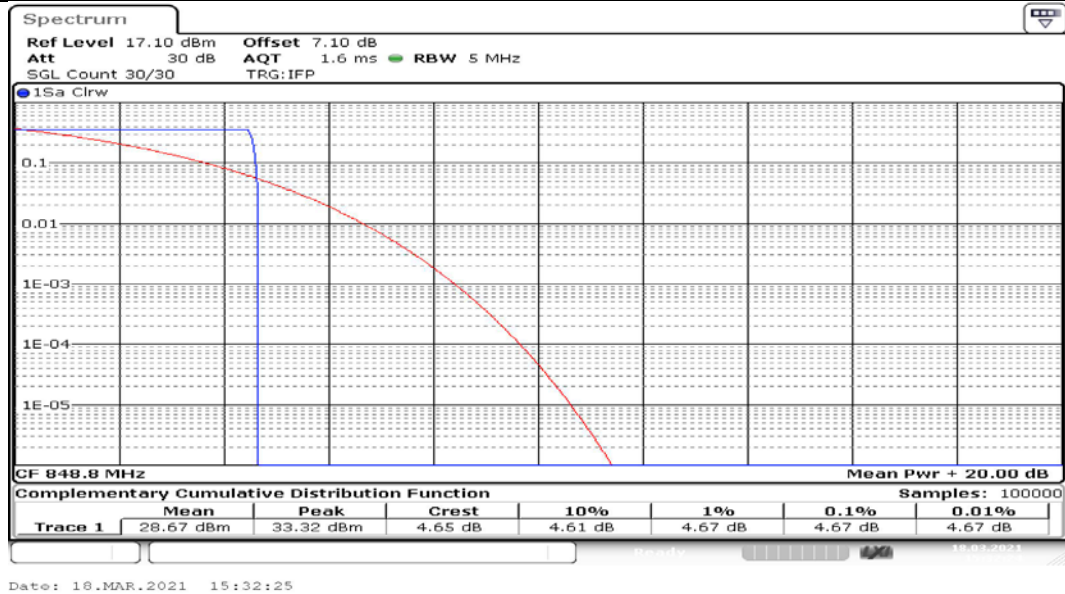
GSM MODE:



Channel 128

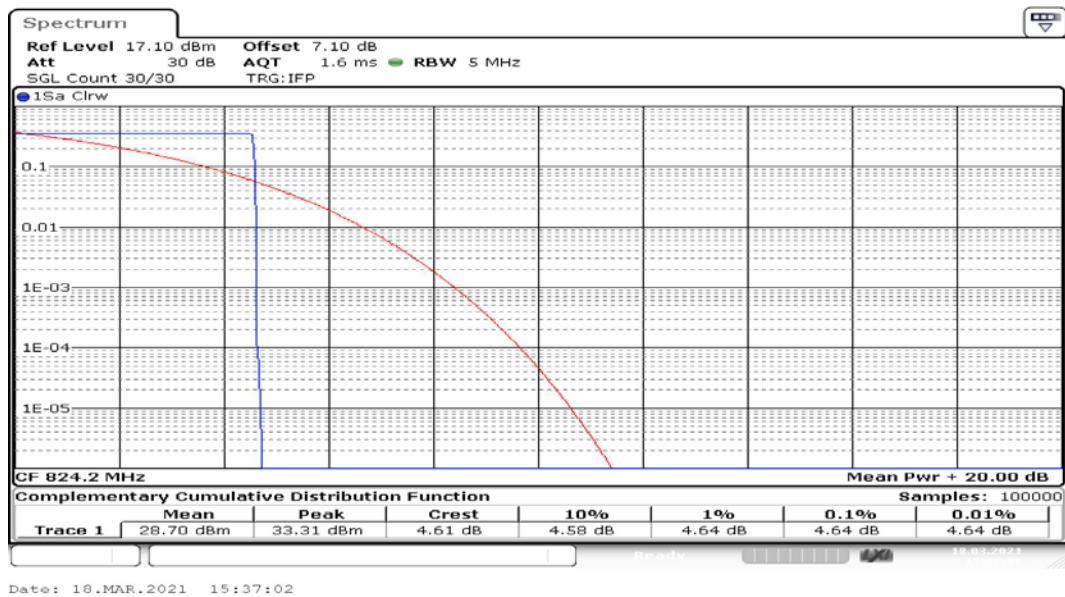


Channel 189

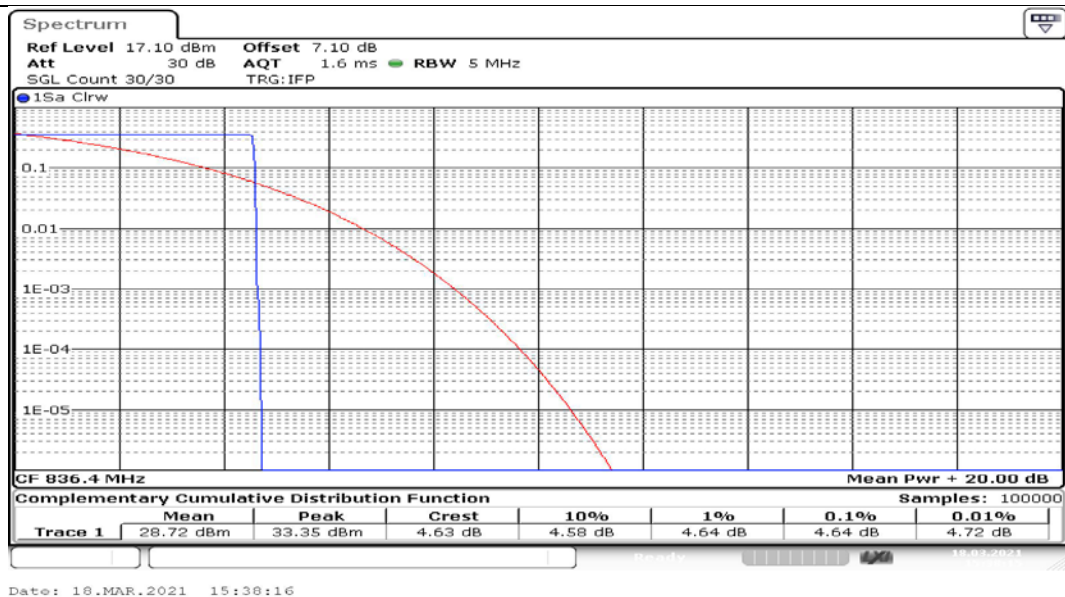


Channel 251

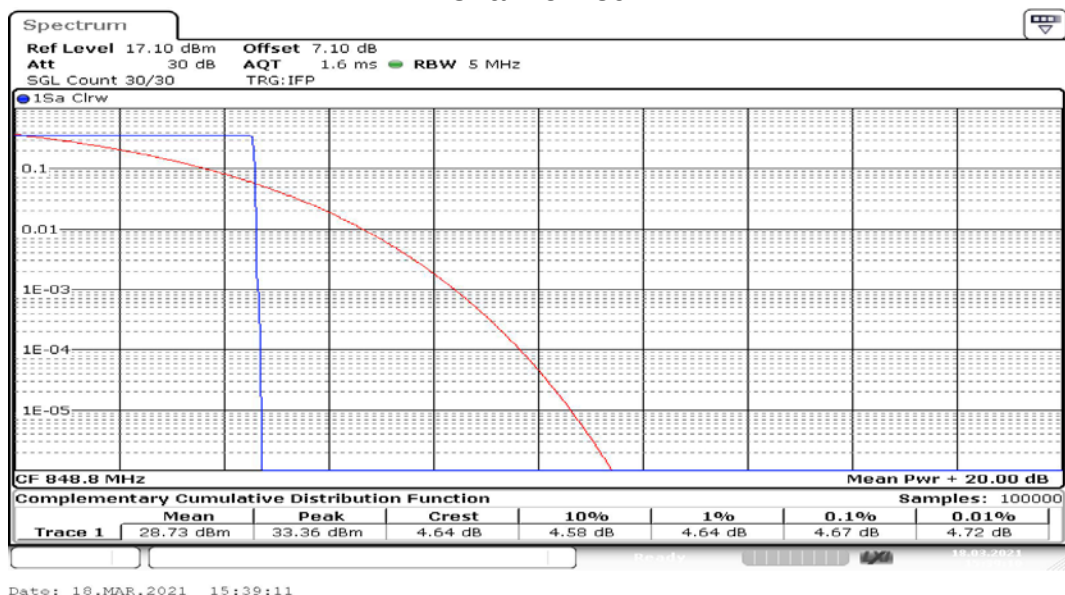
GPRS MODE:



Channel 128

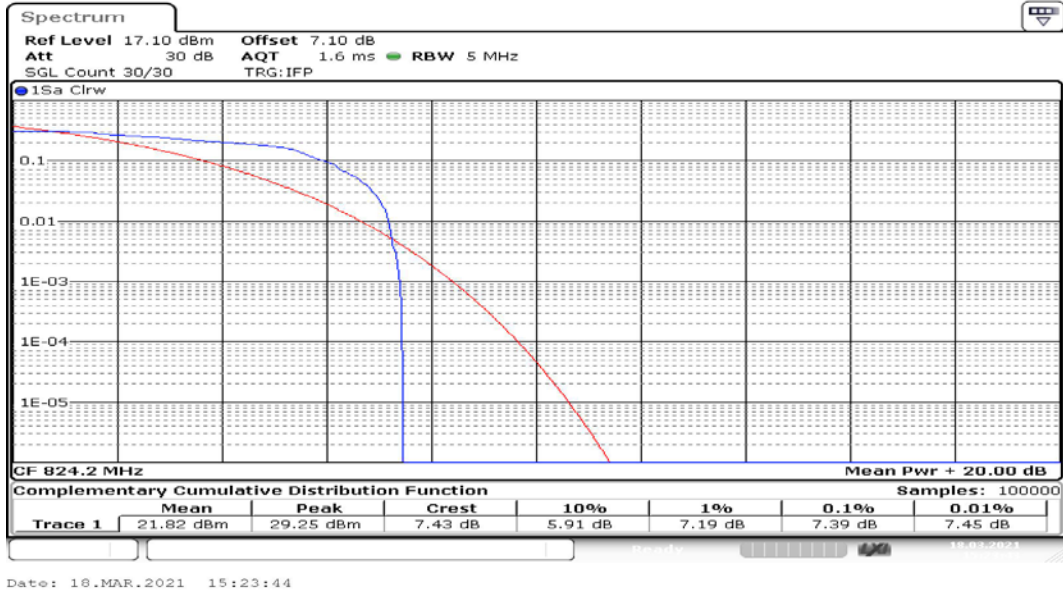


Channel 189

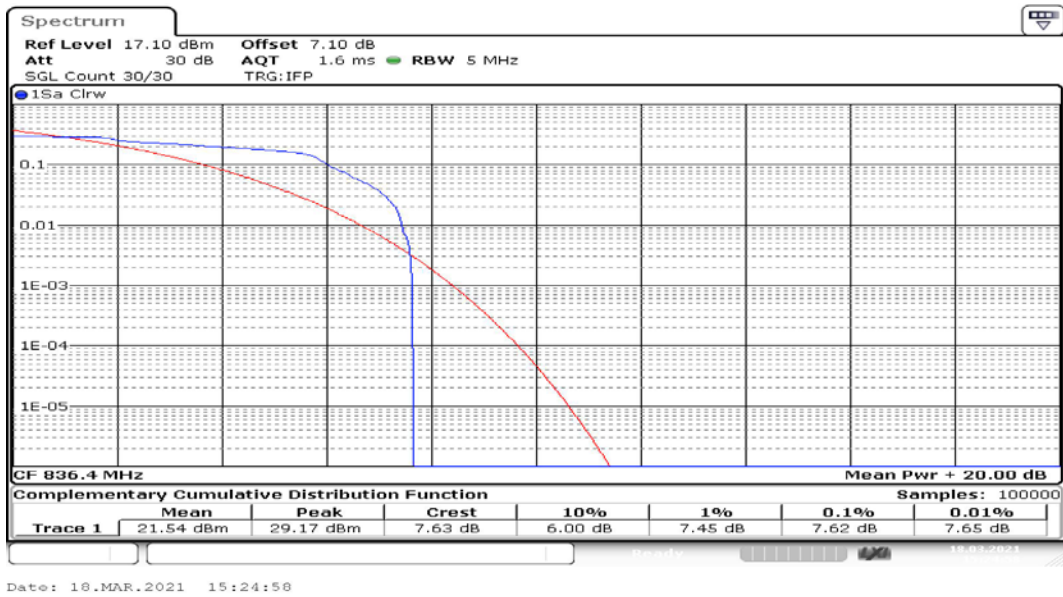


Channel 251

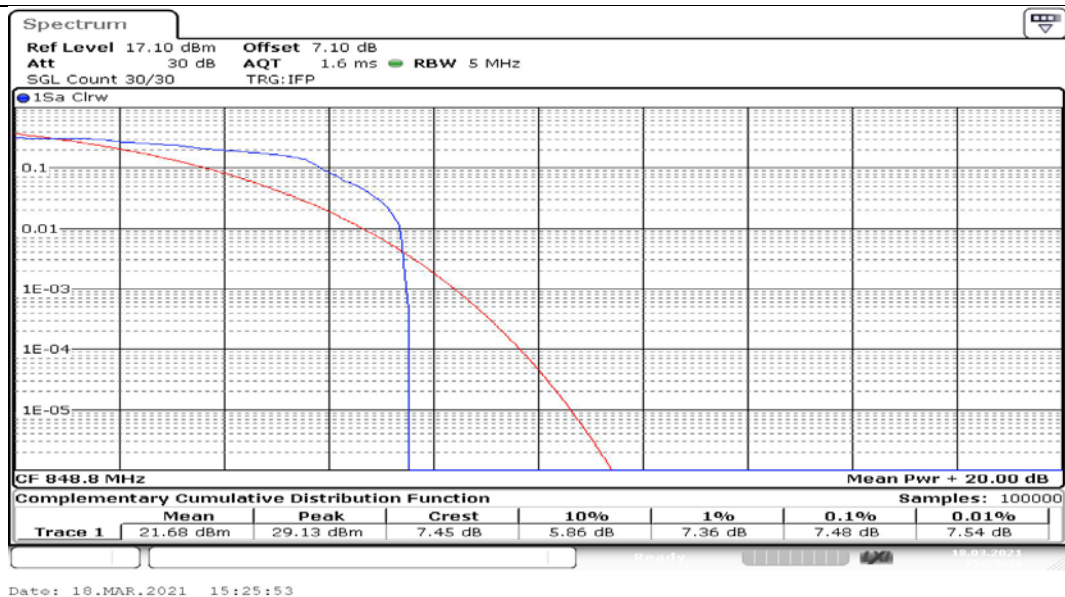
EDGE (8PSK) MODE:



Channel 128

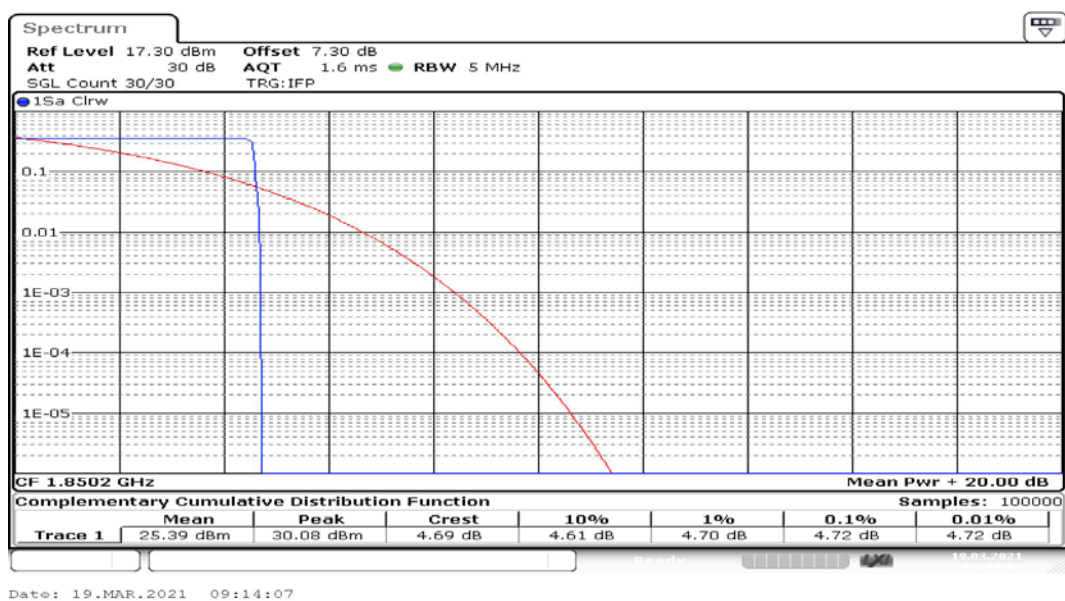


Channel 189

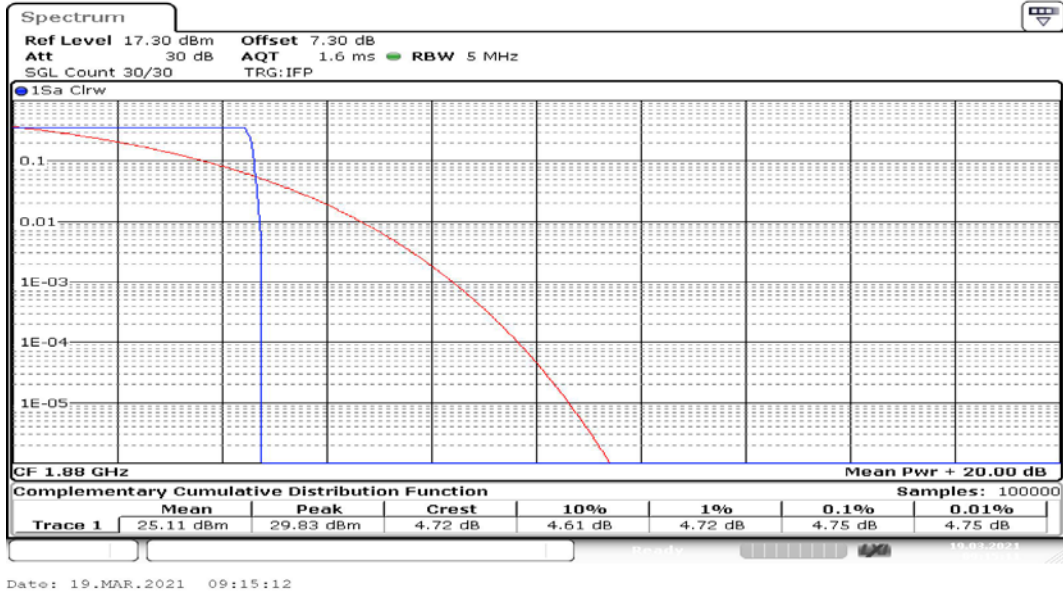


Channel 251

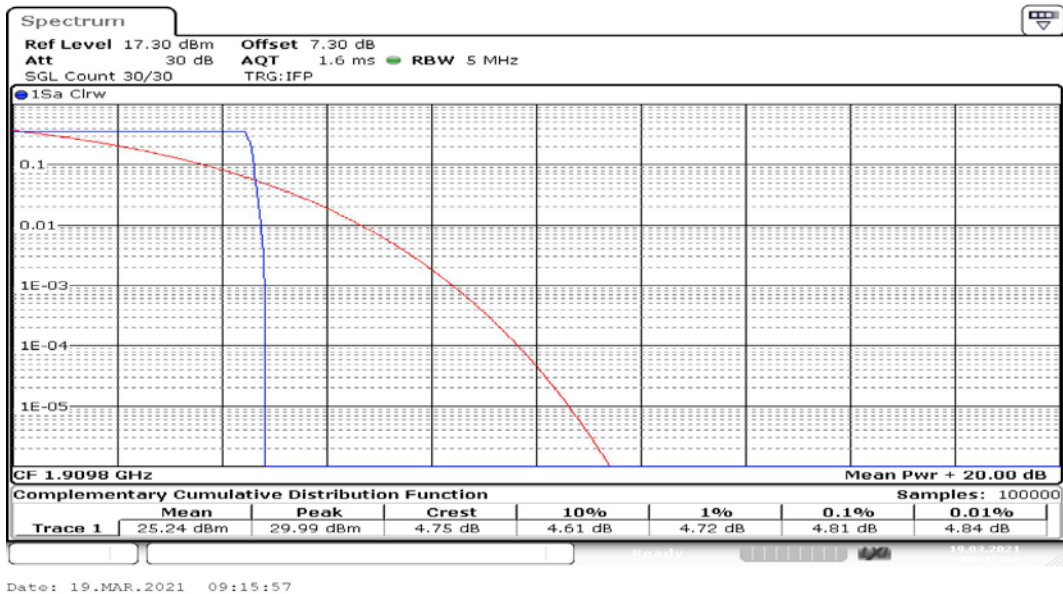
PCS1900
GSM MODE:



Channel 512

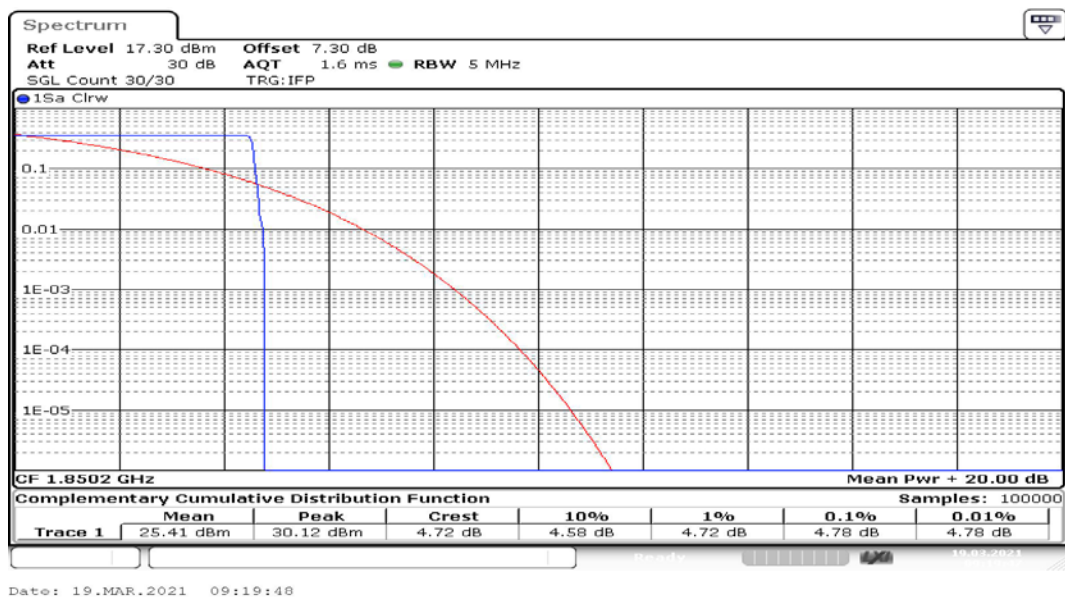


Channel 661

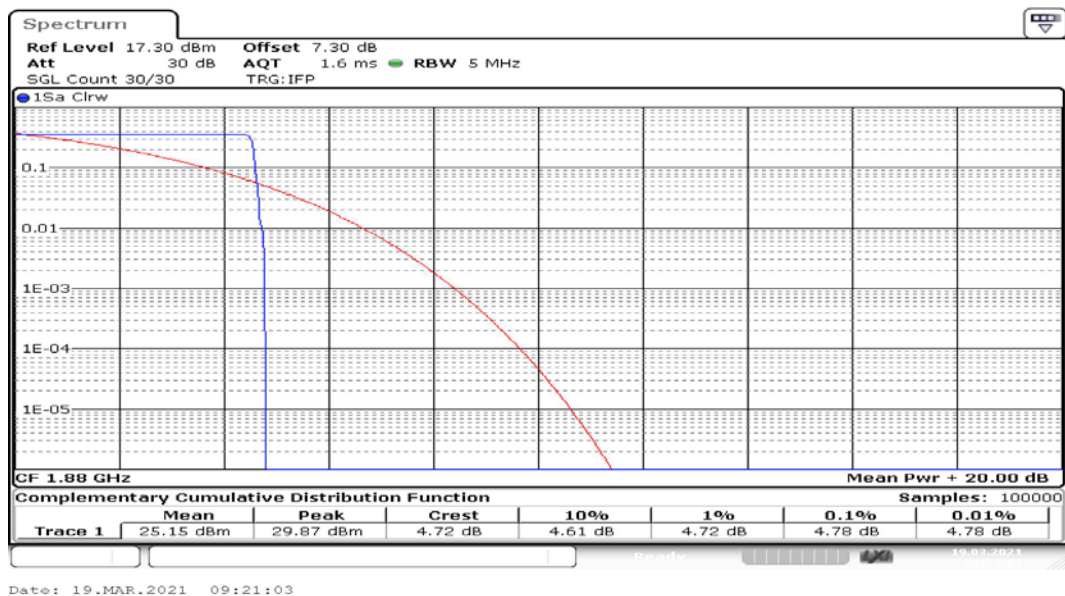


Channel 810

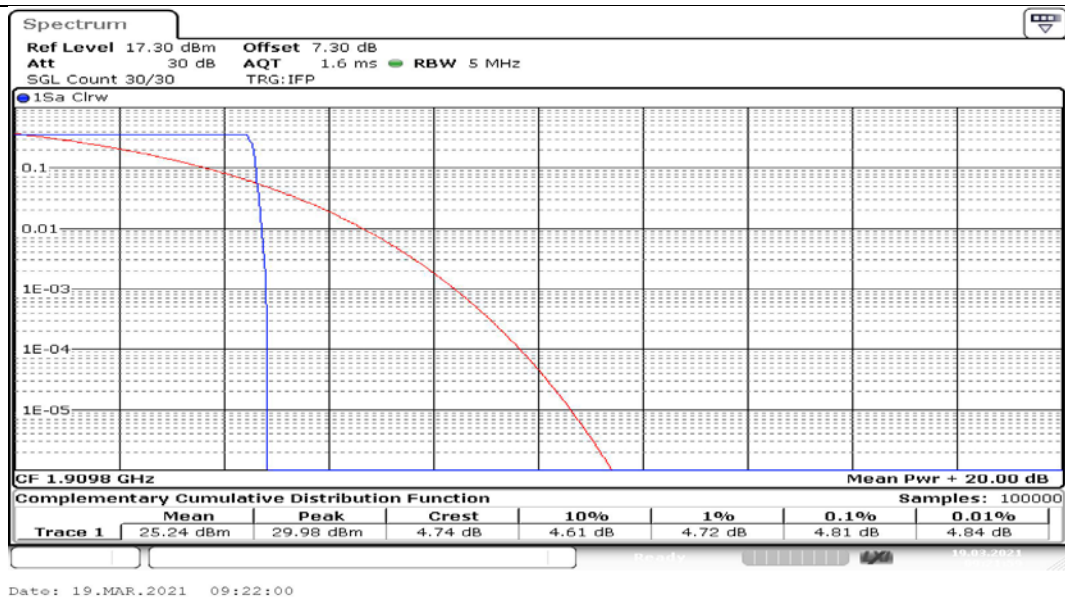
GPRS MODE:



Channel 512

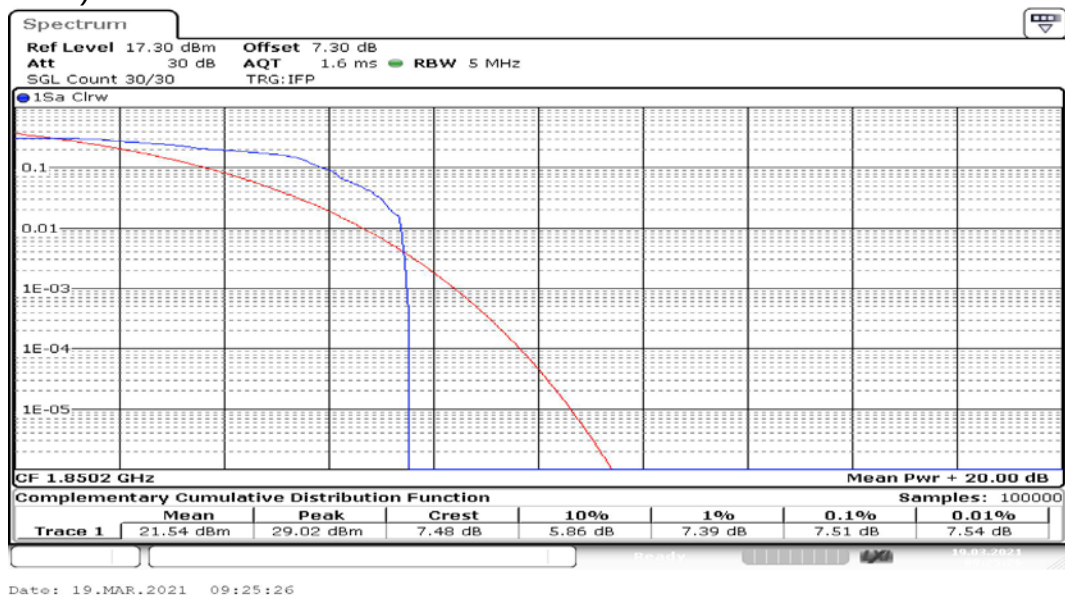


Channel 661

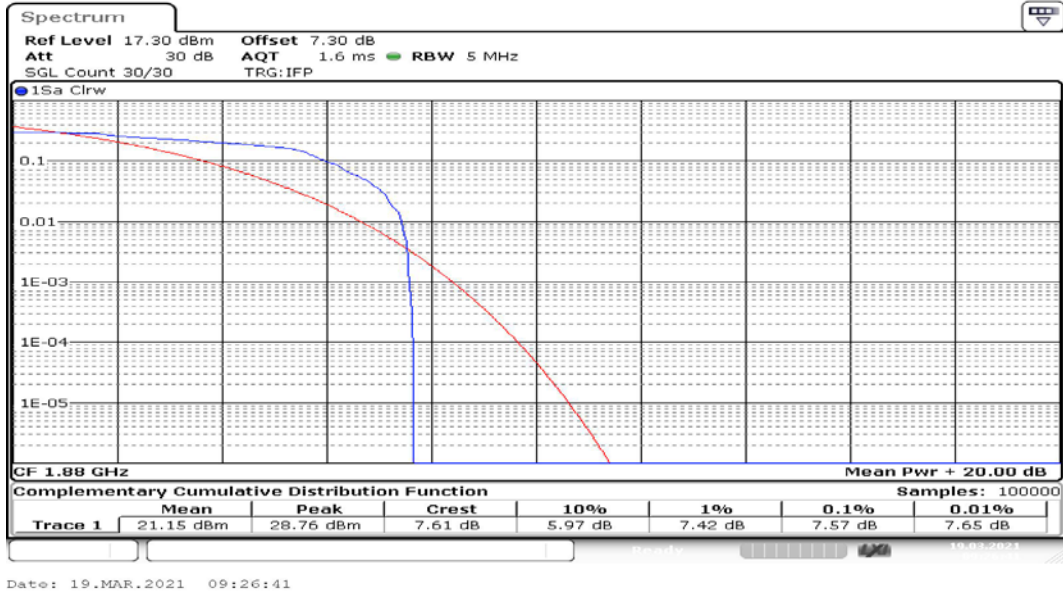


Channel 810

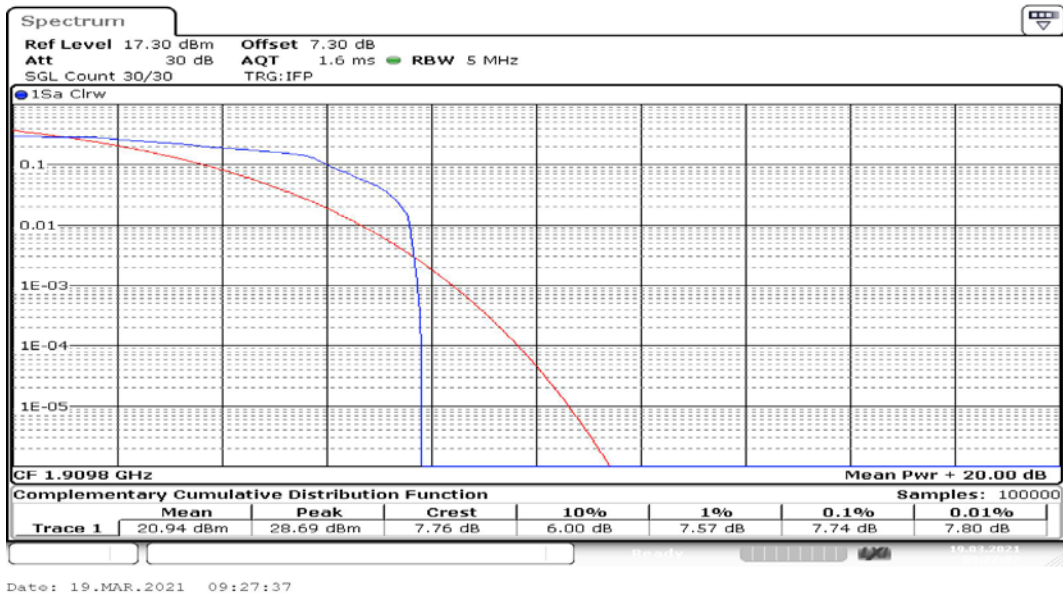
EDGE (8PSK) MODE:



Channel 512



Channel 661



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	33.26	27.26	0.533
836.4	189	33.30	27.30	0.537
848.8	251	33.38	27.38	0.546

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Moce	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
824.2	128	4Downlink1up link	33.30	27.30	0.537
836.4	189		33.36	27.36	0.544
848.8	251		33.36	27.36	0.545
824.2	128	3Downlink2up link	31.37	25.37	0.345
836.4	189		31.37	25.37	0.345
848.8	251		31.35	25.35	0.343
824.2	128	2Downlink3up link	29.55	23.55	0.226
836.4	189		29.54	23.54	0.226
848.8	251		29.52	23.52	0.225
824.2	128	1Downlink4up link	27.58	21.58	0.144
836.4	189		27.58	21.58	0.144
848.8	251		27.54	21.54	0.143

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	20.43	0.110
836.4	189		26.41	20.41	0.110
848.8	251		26.37	20.37	0.109
824.2	128	8PSK 3Downlink2uplink	27.84	21.84	0.153
836.4	189		26.22	20.22	0.105
848.8	251		26.15	20.15	0.104
824.2	128	8PSK 2Downlink3uplink	25.05	19.05	0.080
836.4	189		25.72	19.72	0.094
848.8	251		25.02	19.02	0.080
824.2	128	8PSK 1Downlink4uplink	24.32	18.32	0.068
836.4	189		23.67	17.67	0.058
848.8	251		24.28	18.28	0.067

PCS1900

GSM Measured Power:

Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	30.05	28.15	0.654
1880	661	29.75	27.85	0.610
1909.8	810	29.83	27.93	0.620

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Moce	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	4Downlink1uplink	30.05	28.15	0.653
1880	661		29.75	27.85	0.609
1909.8	810		29.85	27.95	0.624
1850.2	512	3Downlink2uplink	27.70	25.80	0.381
1880	661		27.40	25.50	0.355
1909.8	810		27.43	25.53	0.357
1850.2	512	2Downlink3uplink	26.22	24.32	0.271
1880	661		25.88	23.98	0.250
1909.8	810		25.86	23.96	0.249
1850.2	512	1Downlink4uplink	24.21	22.31	0.170
1880	661		23.90	22.00	0.158
1909.8	810		23.86	21.96	0.157

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	24.26	0.266
1880	661		25.82	23.92	0.247
1909.8	810		26.90	25.00	0.316
1850.2	512	8PSK 3Downlink2uplink	25.91	24.01	0.252
1880	661		25.68	23.78	0.239
1909.8	810		25.58	23.68	0.233
1850.2	512	8PSK 2Downlink3uplink	25.27	23.37	0.217
1880	661		25.07	23.17	0.208
1909.8	810		24.88	22.98	0.199
1850.2	512	8PSK 1Downlink4uplink	23.35	21.45	0.140
1880	661		22.88	20.98	0.125
1909.8	810		22.71	20.81	0.120

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
1647.60	-52.86	-13	Vertical
1664.92	-51.94	-13	Vertical
2535.23	-43.85	-13	Vertical
2574.25	-42.84	-13	Vertical
8965.44	-39.27	-13	Vertical
9970.75	-35.23	-13	Vertical

EDGE (8PSK) MODE Channel 128:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.00	-52.19	-13	Vertical
1665.62	-51.11	-13	Vertical
2533.79	-44.04	-13	Vertical
2575.14	-42.82	-13	Horizontal
8962.45	-39.26	-13	Vertical
9968.35	-35.54	-13	Vertical

GSM/GPRS MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.87	-52.38	-13	Vertical
1665.84	-51.28	-13	Vertical
2533.29	-44.07	-13	Horizontal
2573.65	-43.13	-13	Vertical
8963.38	-39.39	-13	Vertical
9970.76	-35.98	-13	Vertical

EDGE (8PSK) MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.15	-52.18	-13	Vertical
1665.78	-51.58	-13	Vertical
2533.89	-44.05	-13	Vertical
2577.43	-42.66	-13	Vertical
8963.73	-39.43	-13	Horizontal
9969.20	-35.30	-13	Vertical

GSM/GPRS MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.52	-52.16	-13	Vertical
1664.84	-51.25	-13	Vertical
2534.12	-43.91	-13	Vertical
2576.33	-43.05	-13	Horizontal
8962.61	-40.18	-13	Vertical
9968.78	-35.88	-13	Vertical

EDGE (8PSK) MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.00	-52.07	-13	Vertical
1666.44	-51.88	-13	Horizontal
2535.54	-43.69	-13	Vertical
2575.40	-43.44	-13	Vertical
8965.23	-39.41	-13	Vertical
9968.72	-35.48	-13	Vertical

1900 Test result:

GSM/GPRS MODE Channel 512

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.45	-52.49	-13	Vertical
2781.75	-51.56	-13	Vertical
3729.02	-43.94	-13	Vertical
6677.73	-43.00	-13	Vertical
9962.16	-39.51	-13	Vertical
17821.81	-35.77	-13	Vertical

EDGE (8PSK) MODE Channel 512:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.42	-52.71	-13	Vertical
2781.78	-52.06	-13	Vertical
3727.66	-44.23	-13	Vertical
6679.43	-42.97	-13	Horizontal
9962.68	-39.78	-13	Vertical
17821.59	-36.07	-13	Vertical

GSM/GPRS MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2453.56	-52.41	-13	Vertical
2780.63	-52.21	-13	Vertical
3728.97	-43.57	-13	Vertical
6677.43	-43.56	-13	Vertical
9962.22	-39.97	-13	Horizontal
17820.52	-36.12	-13	Vertical

EDGE (8PSK) MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.38	-53.09	-13	Vertical
2781.29	-51.50	-13	Vertical
3730.43	-44.08	-13	Horizontal
6676.07	-43.82	-13	Vertical
9962.72	-40.32	-13	Vertical
17823.59	-35.30	-13	Vertical

GSM/GPRS MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.84	-52.91	-13	Vertical
2779.68	-52.02	-13	Vertical
3728.49	-43.39	-13	Horizontal
6680.03	-43.44	-13	Horizontal
9964.62	-39.60	-13	Vertical
17824.42	-35.83	-13	Vertical

EDGE (8PSK) MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.54	-52.86	-13	Vertical
2779.04	-51.96	-13	Vertical
3730.19	-43.56	-13	Vertical
6677.92	-43.42	-13	Vertical
9961.63	-40.01	-13	Horizontal
17822.92	-35.71	-13	Vertical

---End of Test Report---