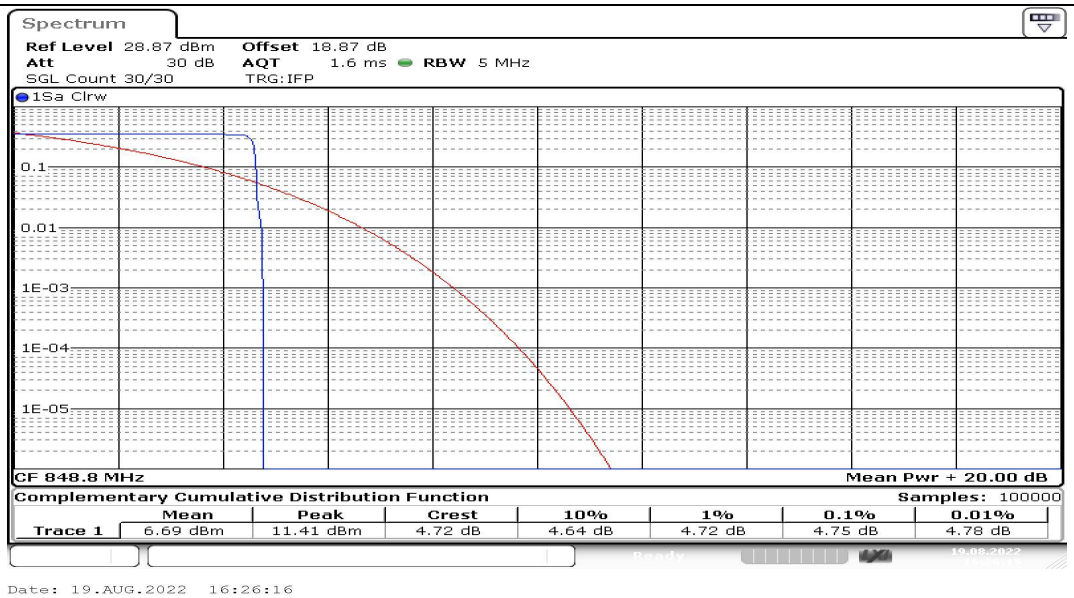
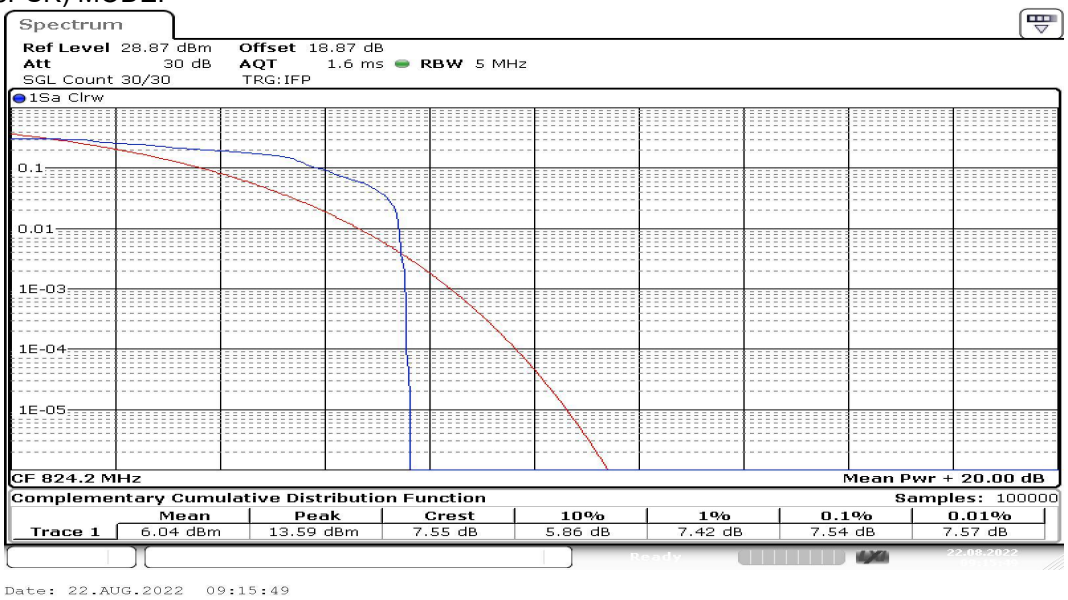
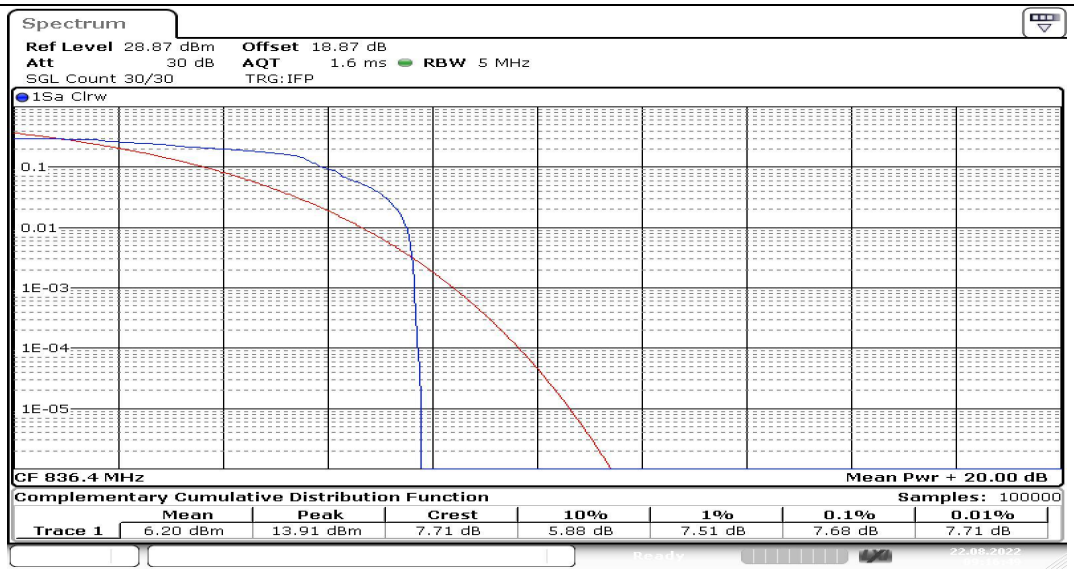


Channel 251

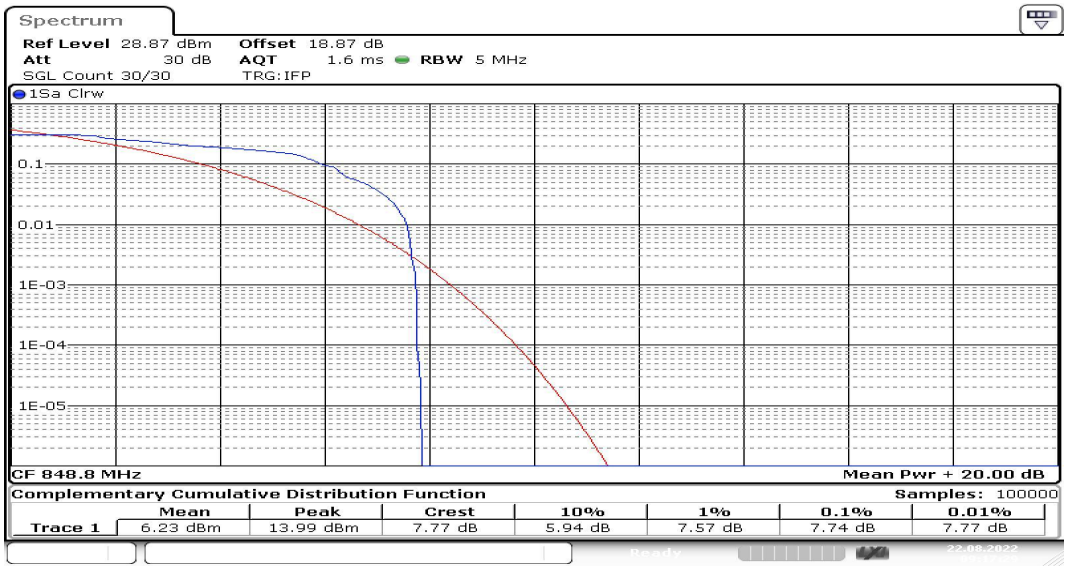
EGPRS (8PSK) MODE:



Channel 128



Channel 189



Channel 251

8. Effective Radiated Power and Effective Isotropic Radiated Power

GSM850

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
824.2	128	4Down1Up	32.22	30.67	1.167
836.4	189		32.36	30.81	1.205
848.8	251		32.51	30.96	1.247
824.2	128	3Down2Up	32.24	30.69	1.172
836.4	189		32.09	30.54	1.132
848.8	251		32.24	30.69	1.172

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
824.2	128	4Down1Up	32.29	30.74	1.186
836.4	189		32.43	30.88	1.225
848.8	251		32.56	31.01	1.262
824.2	128	3Down2Up	32.15	30.6	1.148
836.4	189		32.29	30.74	1.186
848.8	251		32.43	30.88	1.225

GSM1900

1. RF Power Output

PCS1900

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	RF Power Output (dBm)
1850.2	512	4Down1Up	29.29
1880	661		29.07
1909.8	810		29.20
1850.2	512	3Down2Up	29.14
1880	661		28.92
1909.8	810		29.01

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	RF Power Output (dBm)
1850.2	512	4Down1Up	29.27
1880	661		29.05
1909.8	810		29.20
1850.2	512	3Down2Up	29.21
1880	661		29.00
1909.8	810		29.13

2. Occupied Bandwidth

PCS1900

GPRS MODE:

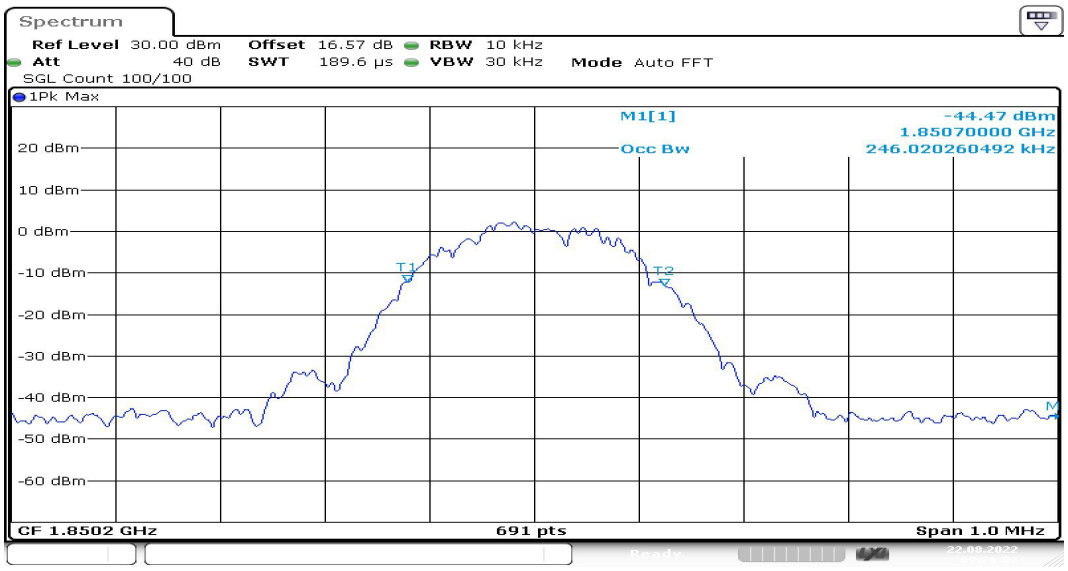
Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (kHz)
1850.2	512	246.02
1880	661	248.91
1909.8	810	246.02

EGPRS (8PSK) MODE:

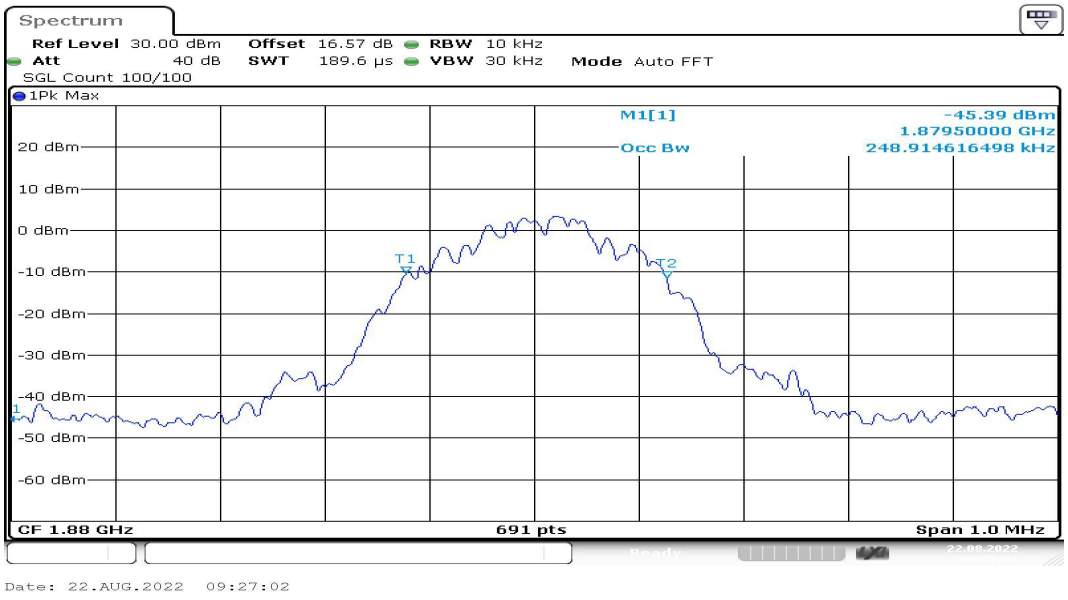
Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (kHz)
1850.2	512	247.47
1880	661	264.83
1909.8	810	247.47

PCS1900
GSM MODE:

GPRS MODE:



Channel 512

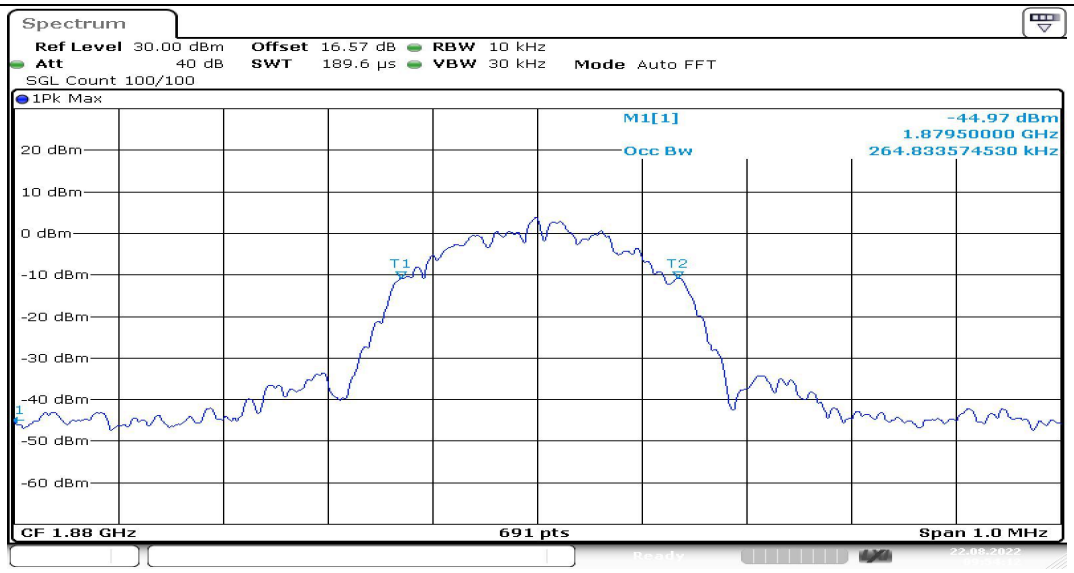


Channel 661

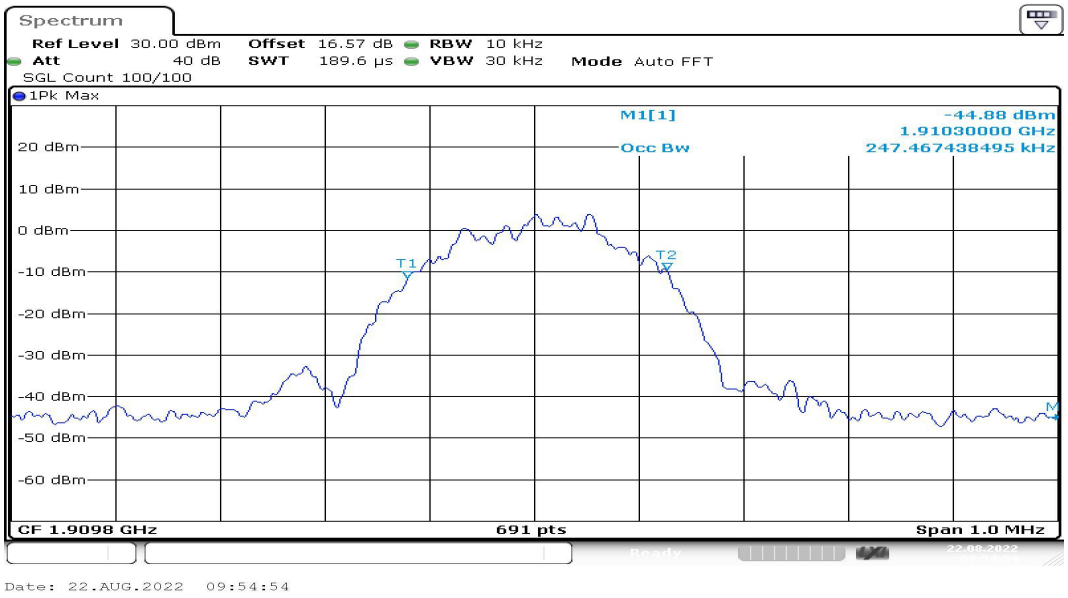
Channel 810

EGPRS (8PSK) MODE:

Channel 512



Channel 661



Channel 810

3 Emission Bandwidth

PCS1900

GPRS MODE:

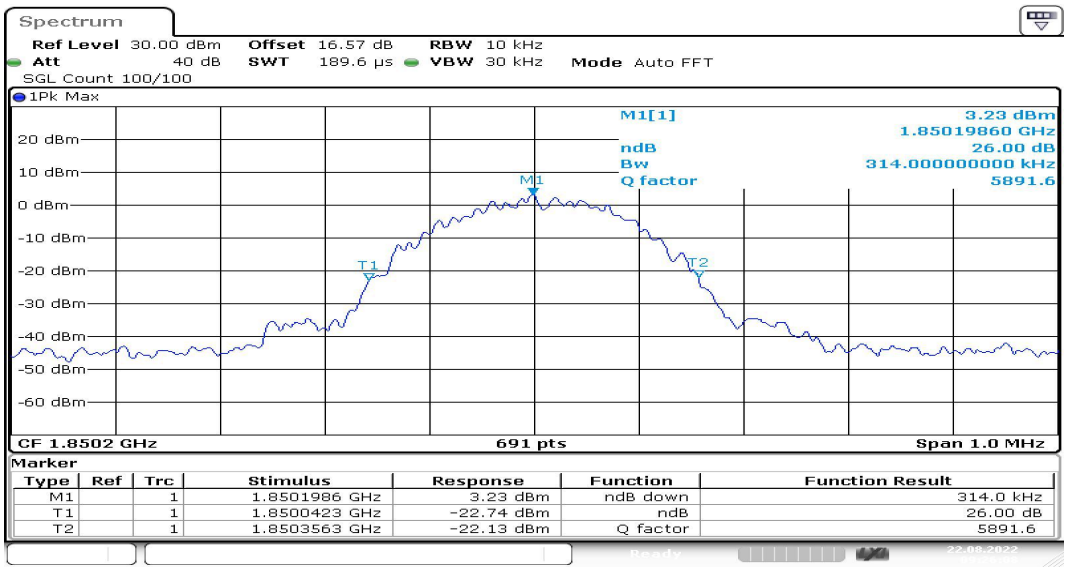
Carrier frequency (MHz)	Channel No.	Bandwidth of -26dB (kHz)
1850.2	512	314.00
1880	661	309.70
1909.8	810	303.90

EGPRS (8PSK) MODE:

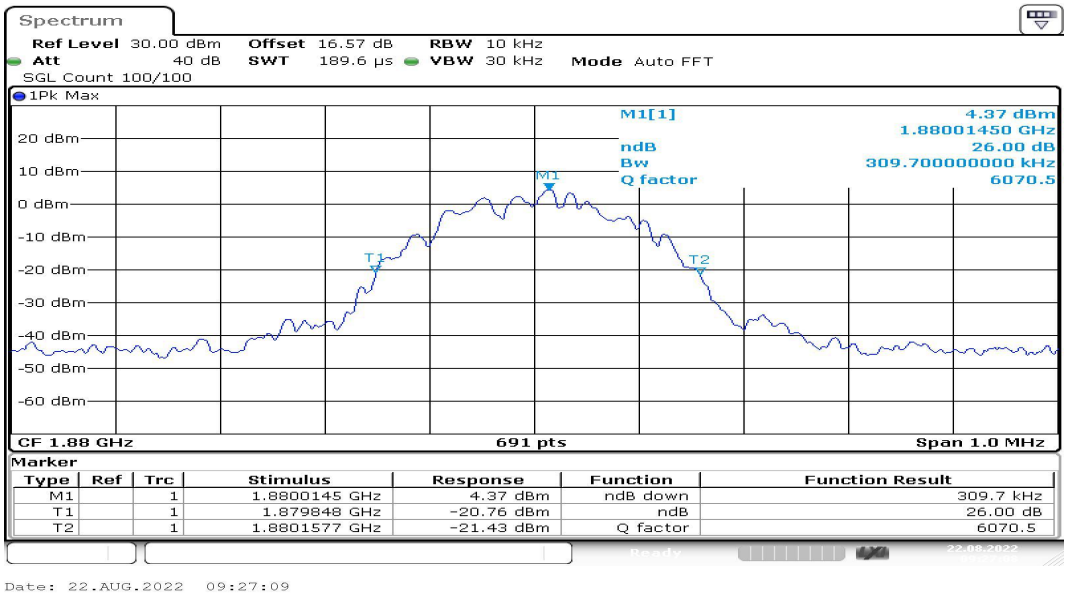
Carrier frequency (MHz)	Channel No.	Bandwidth of -26dB transmitter power(kHz)
1850.2	512	311.10
1880	661	295.20
1909.8	810	289.40

PCS1900
GSM MODE:

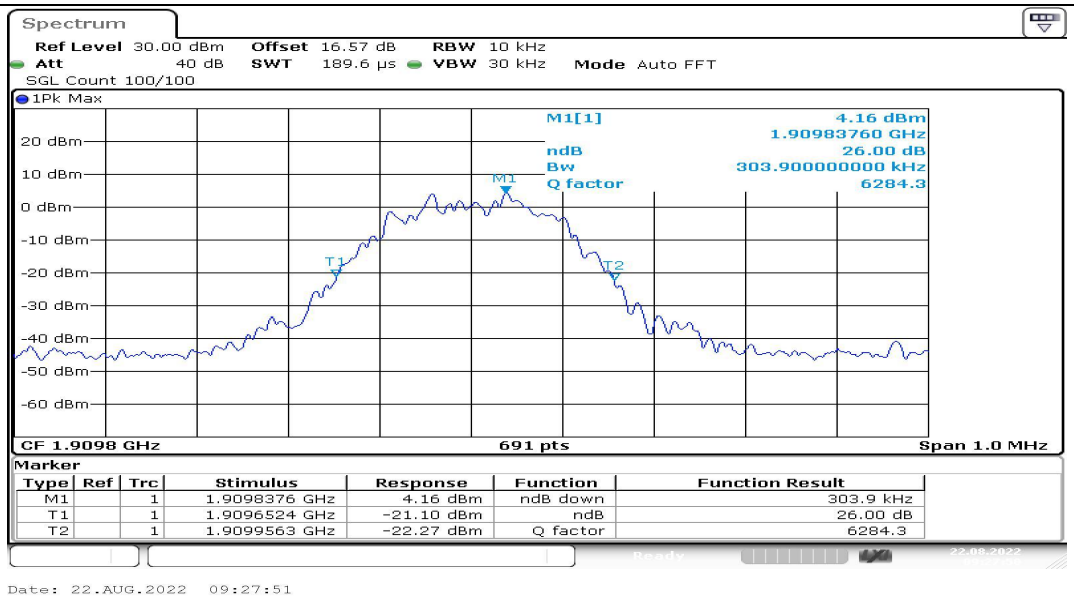
GPRS MODE:



Channel 512

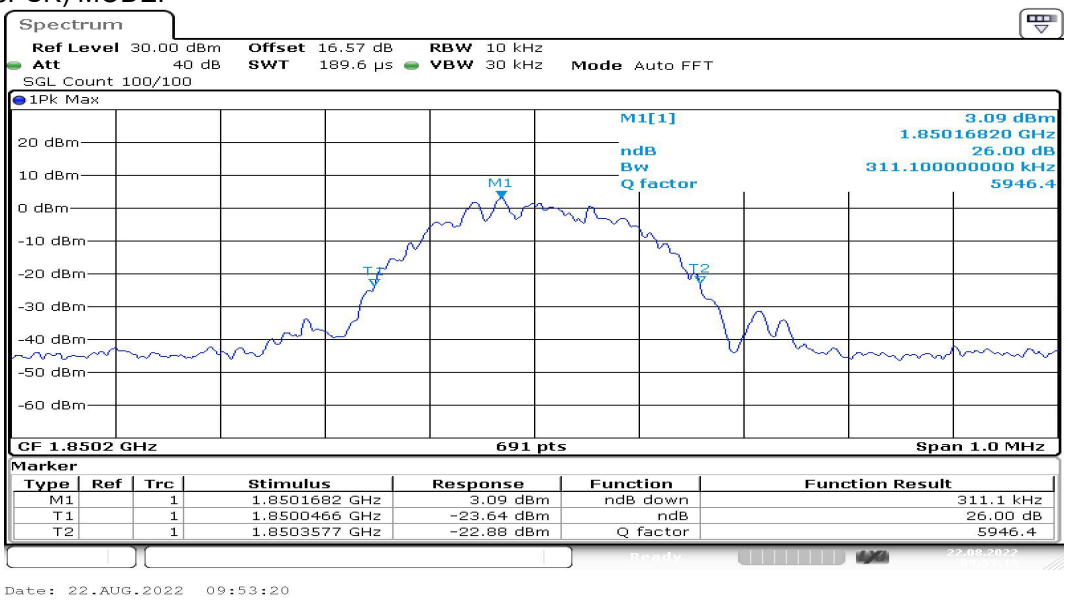


Channel 661



Channel 810

EGPRS (8PSK) MODE:



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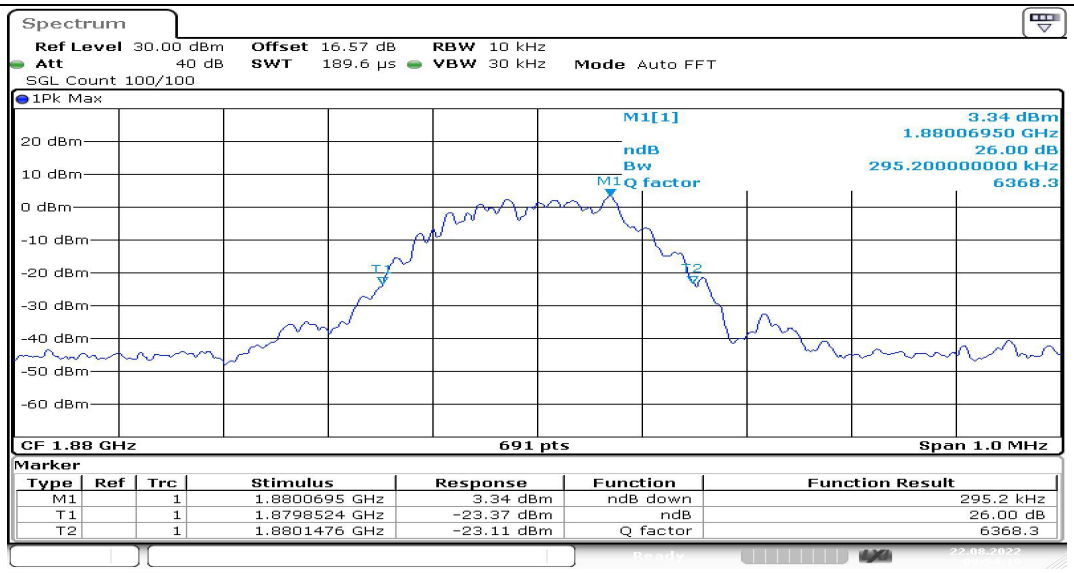
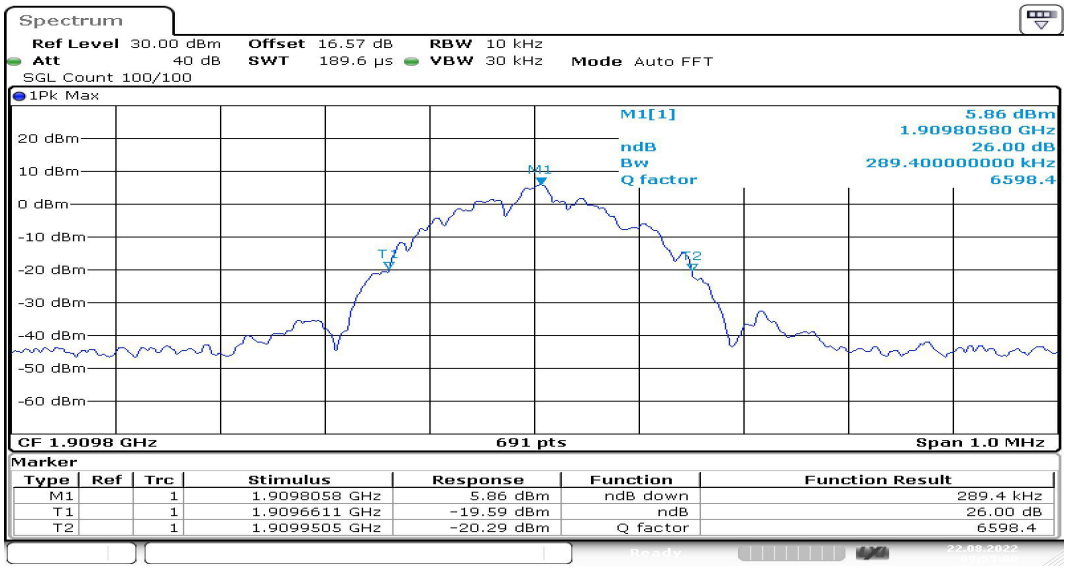


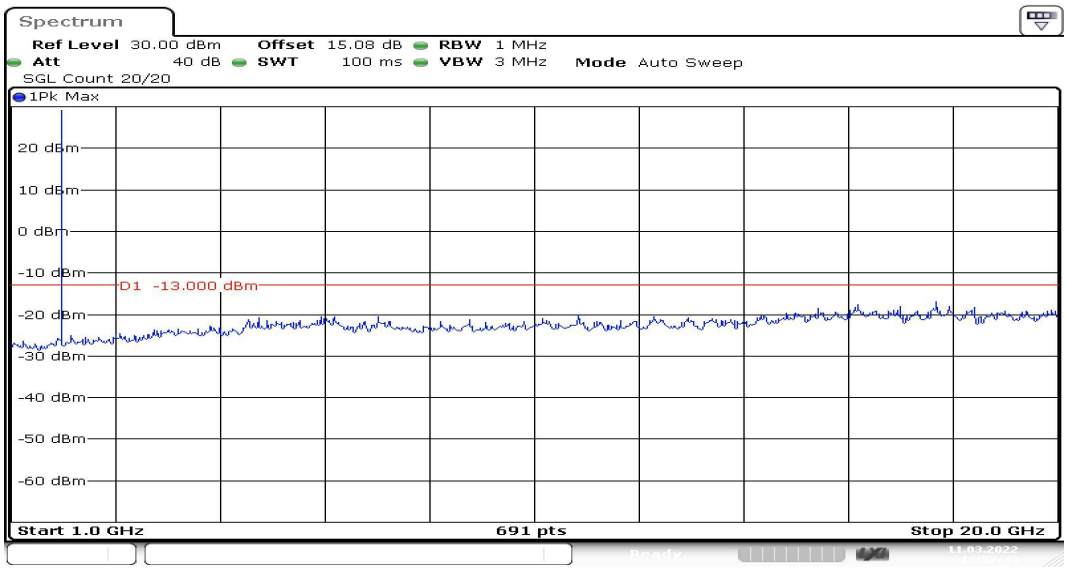
Channel 661



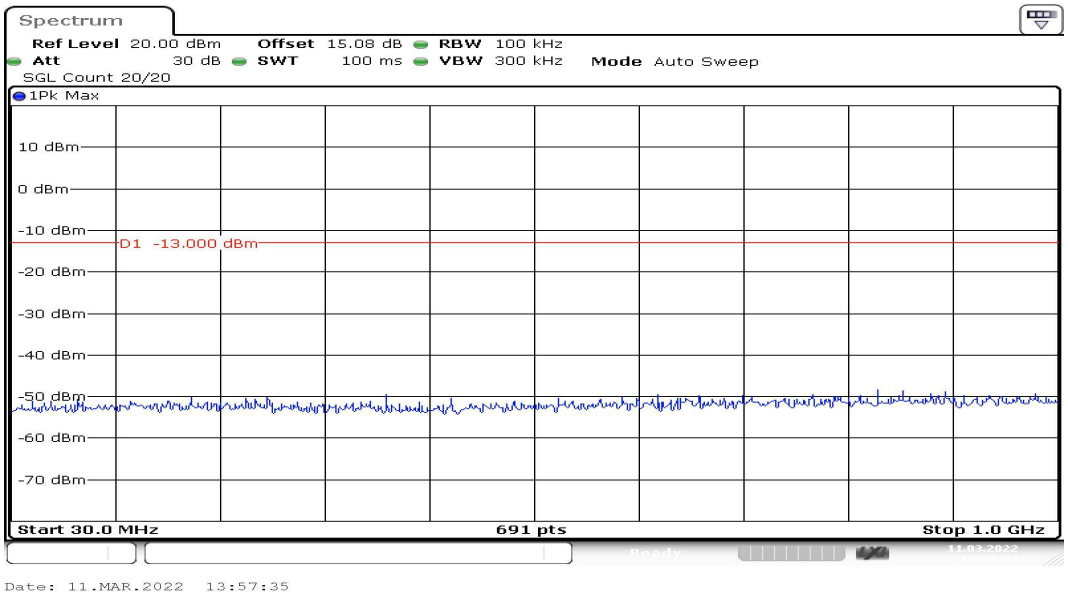
Channel 810

4 Spurious Emissions at antenna terminal
PCS1900

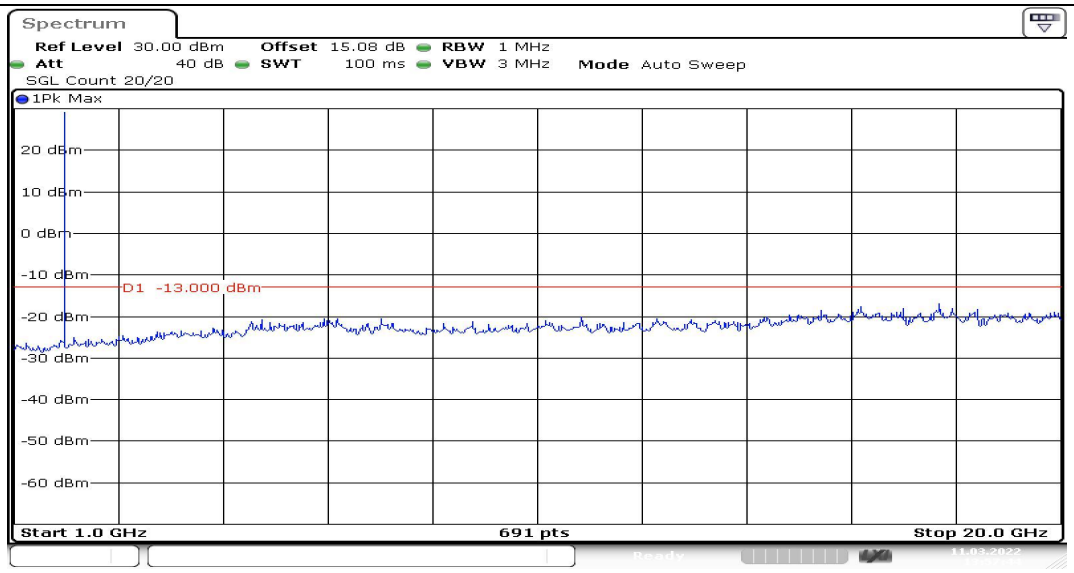
GPRS MODE:



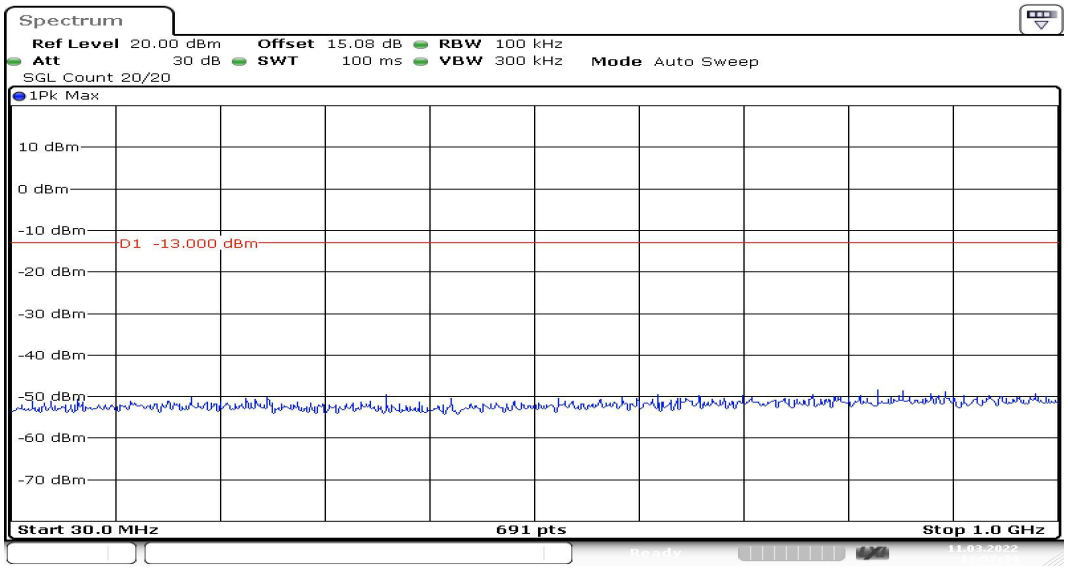
Channel 512



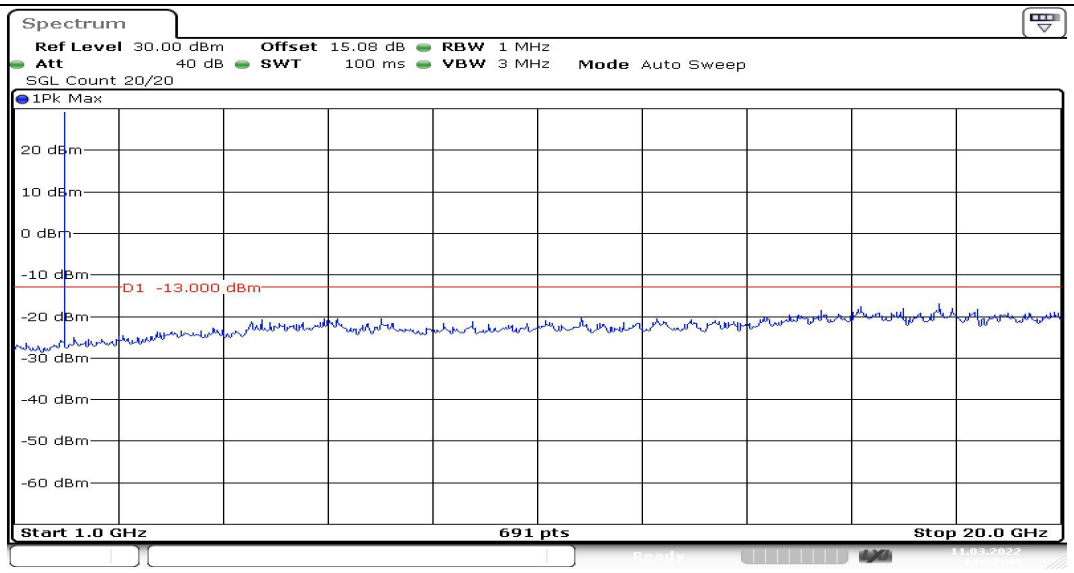
Channel 512



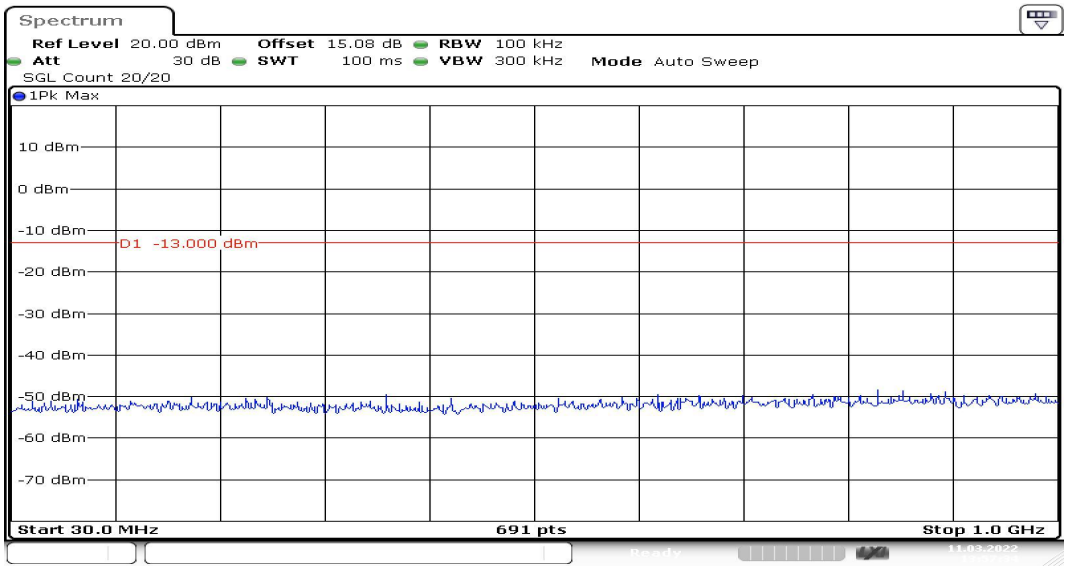
Channel 661



Channel 661

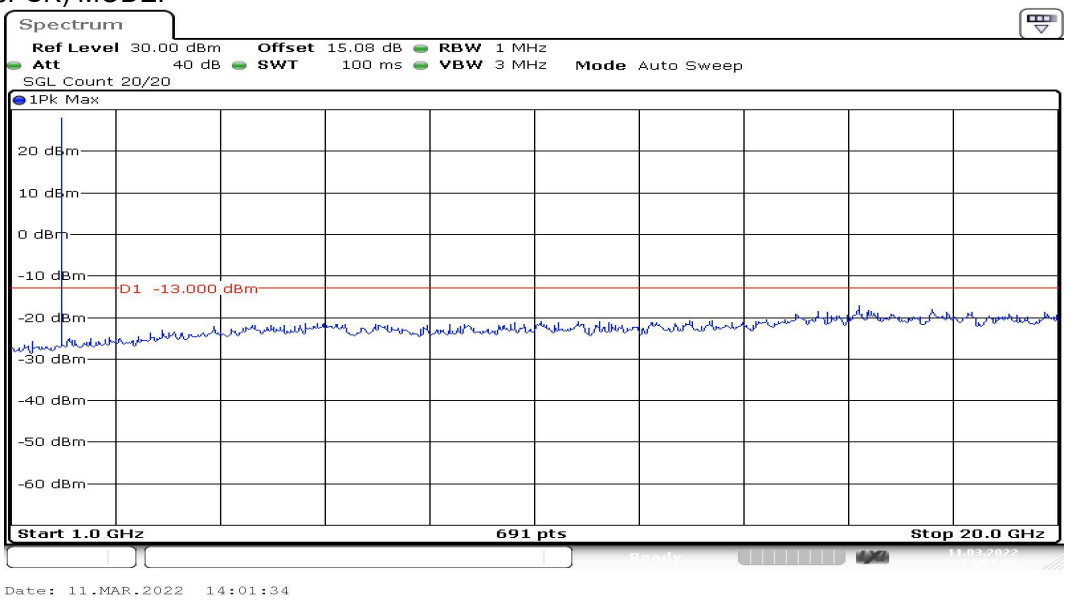


Channel 810

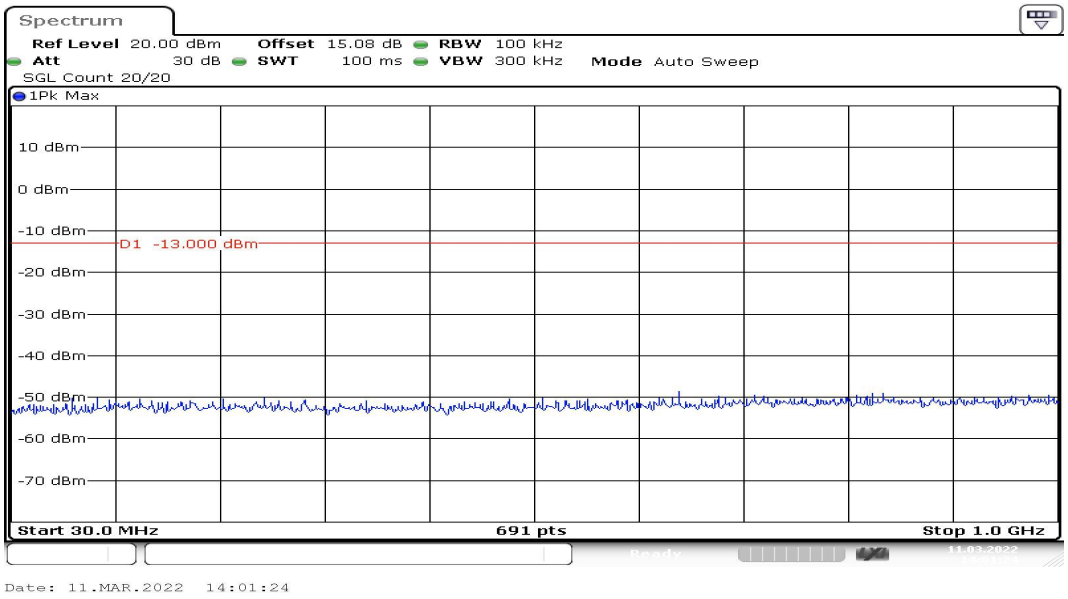


Channel 810

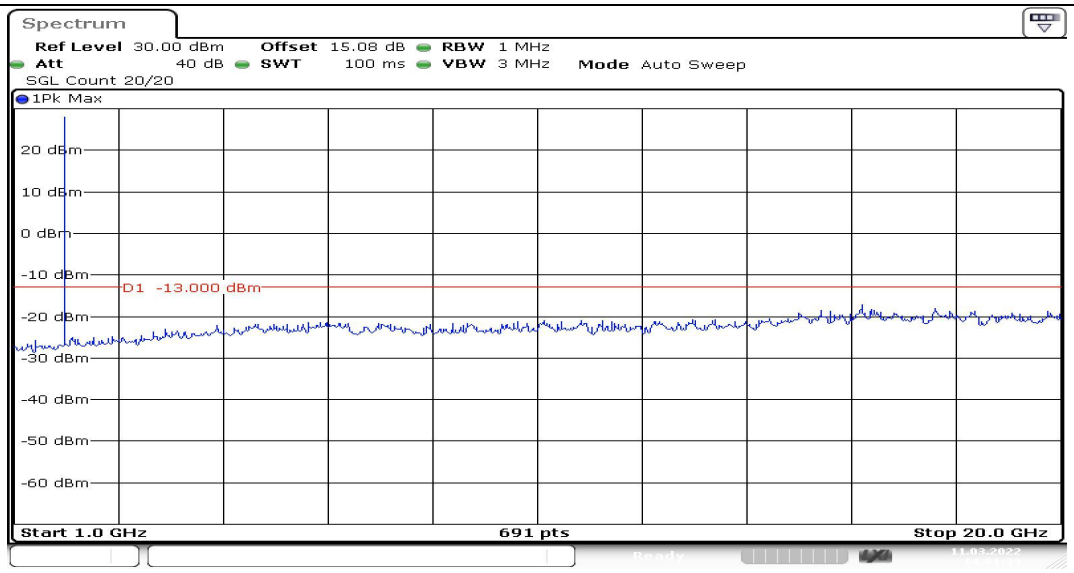
EGPRS (8PSK) MODE:



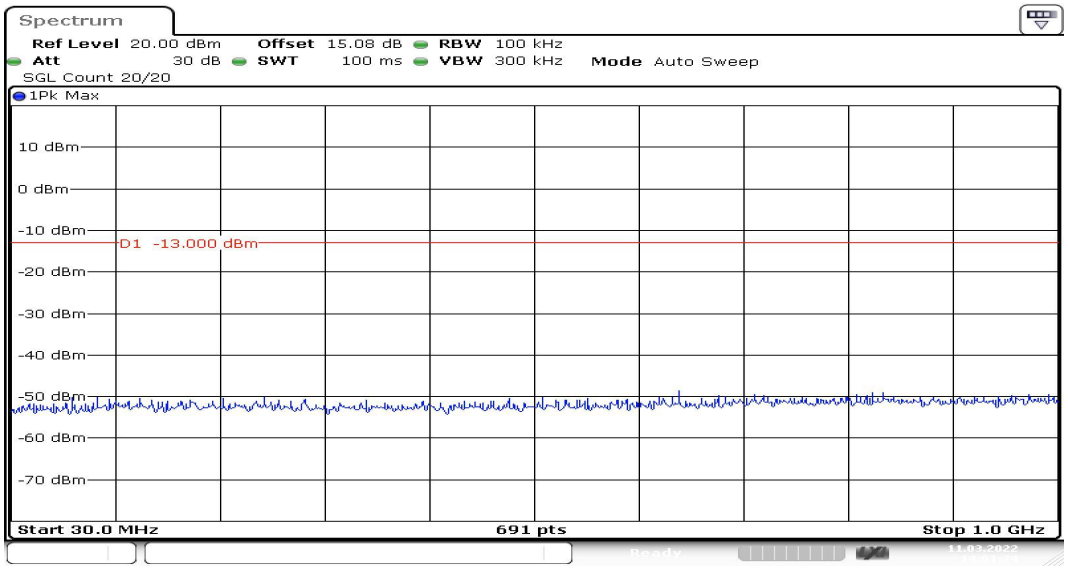
Channel 512



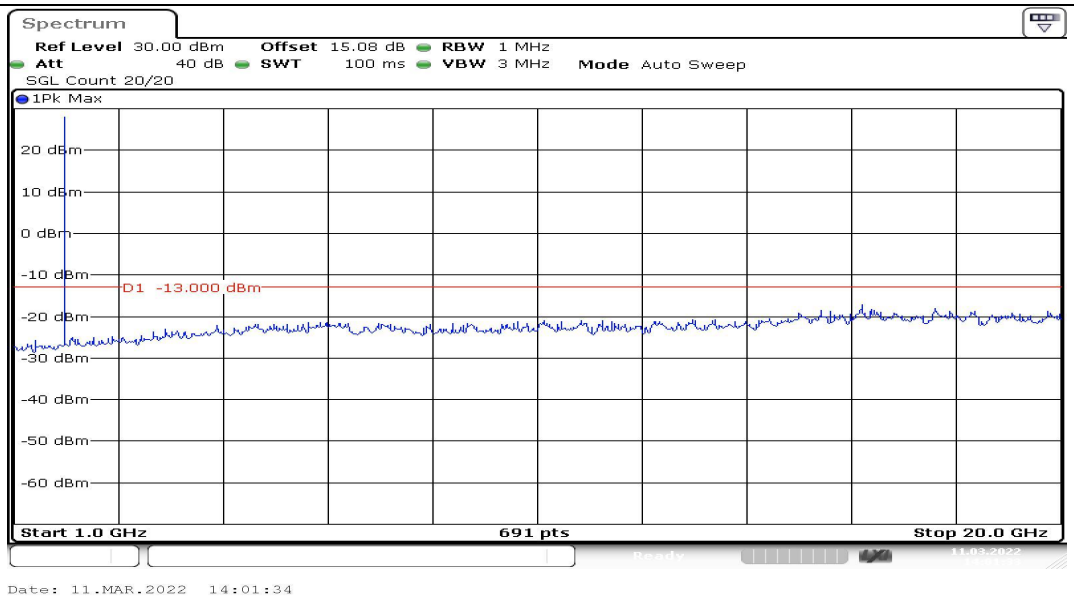
Channel 512



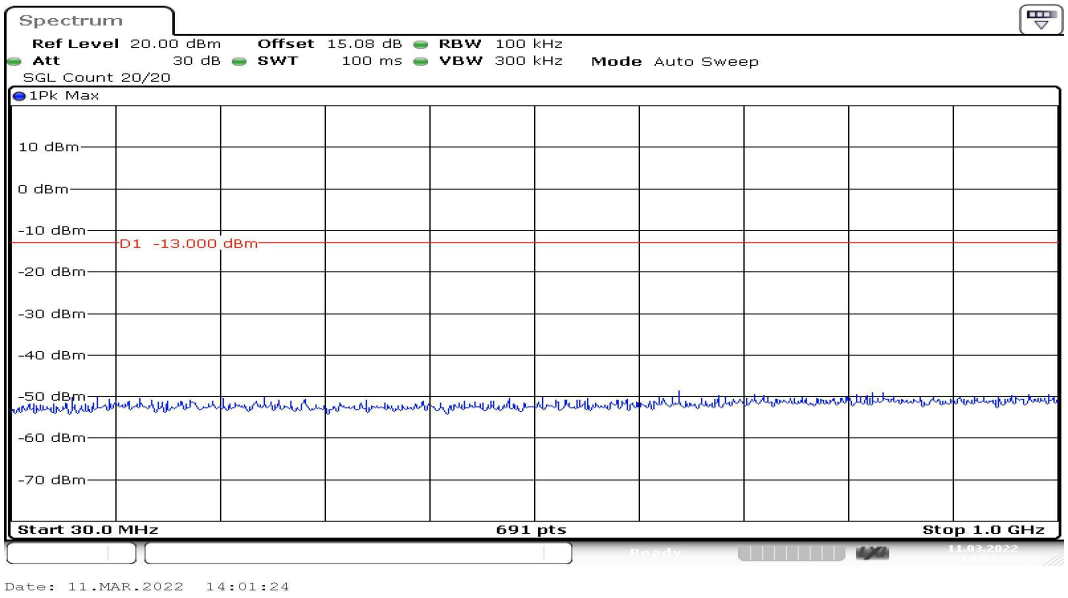
Channel 661



Channel 661



Channel 810

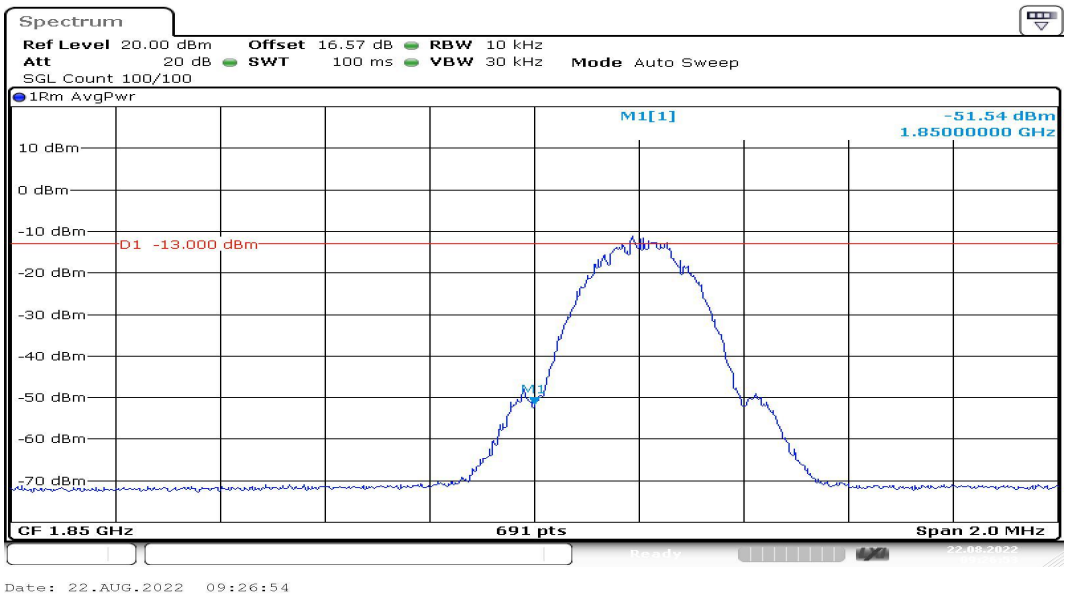


Channel 810

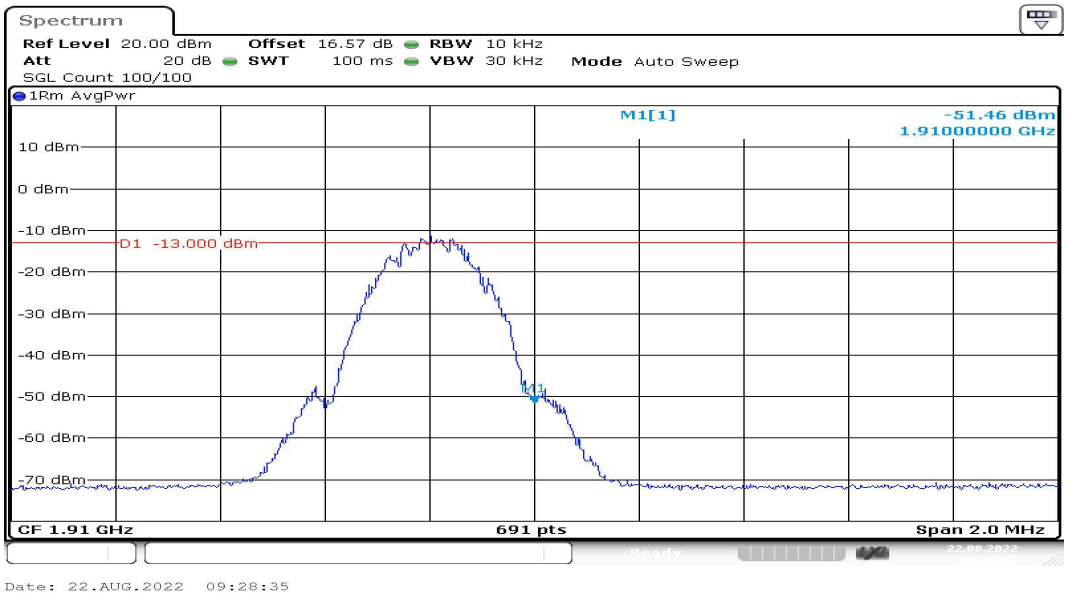
5 Band Edges Compliance

PCS1900

GPRS MODE:

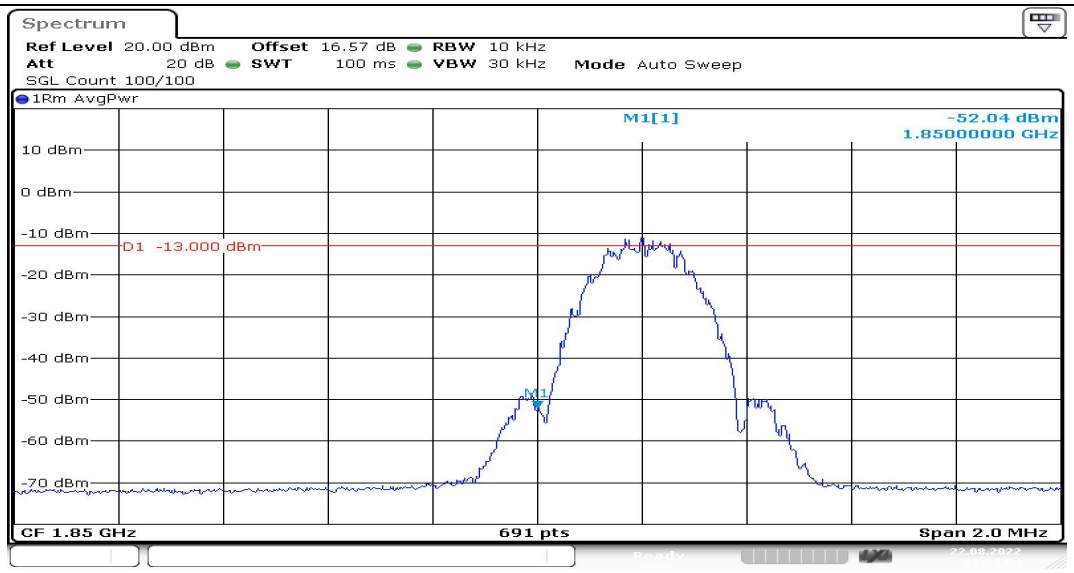


Channel 512

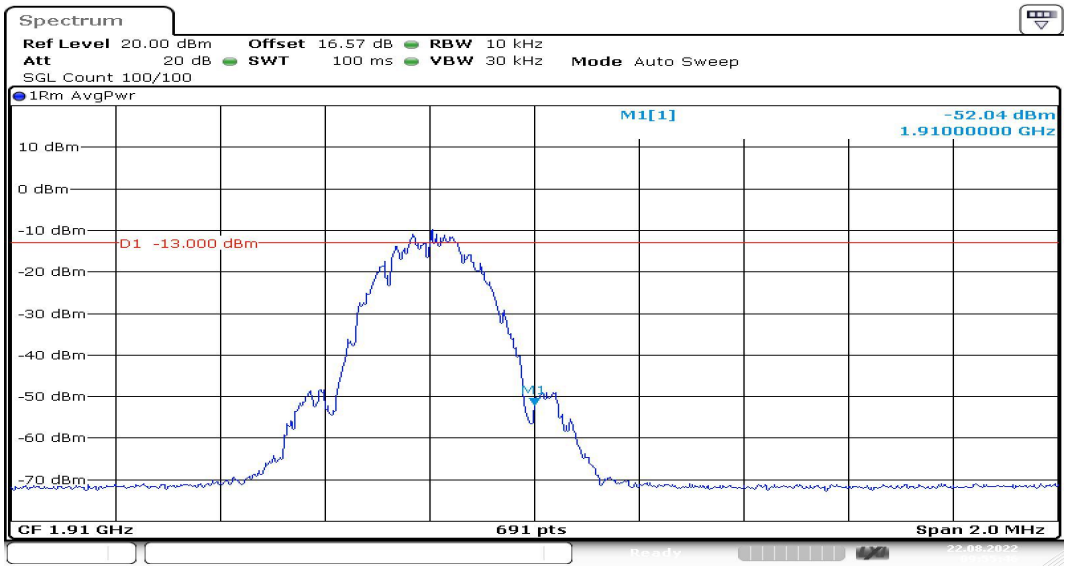


Channel 810

EGPRS (8PSK) MODE:



Channel 512



Channel 810

6 Frequency Stability

PCS1900

GPRS MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-20	0.007	0.008	0.003
-10	0.006	0.017	0.006
0	0.001	0.019	0.005
+10	0.004	0.007	-0.001
+30	-0.001	0.001	0.000
+40	-0.009	0.002	-0.006
+55	-0.001	0.005	-0.004
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	0.008	0.011	0.006
HV	0.003	0.013	0.003

EGPRS (8PSK) MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-20	-0.005	0.002	0.008
-10	-0.003	0.014	0.011
0	-0.003	-0.006	0.005
+10	-0.004	0.014	0.006
+30	-0.013	-0.006	-0.001
+40	-0.012	-0.004	-0.003
+55	-0.008	-0.006	-0.004
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	-0.006	-0.004	0.000
HV	-0.006	0.005	-0.005