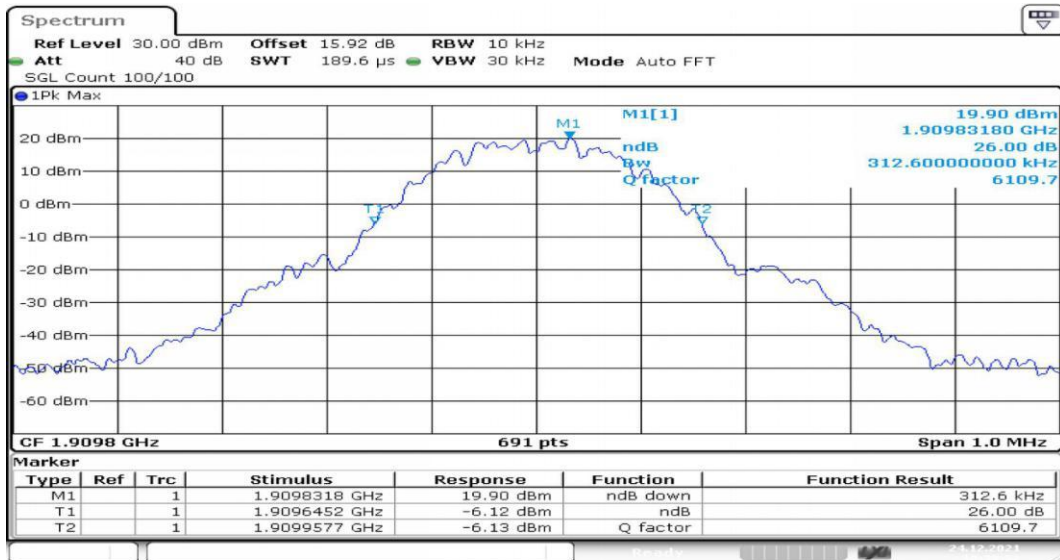


Date: 24.DEC.2021 10:29:55

Channel 661



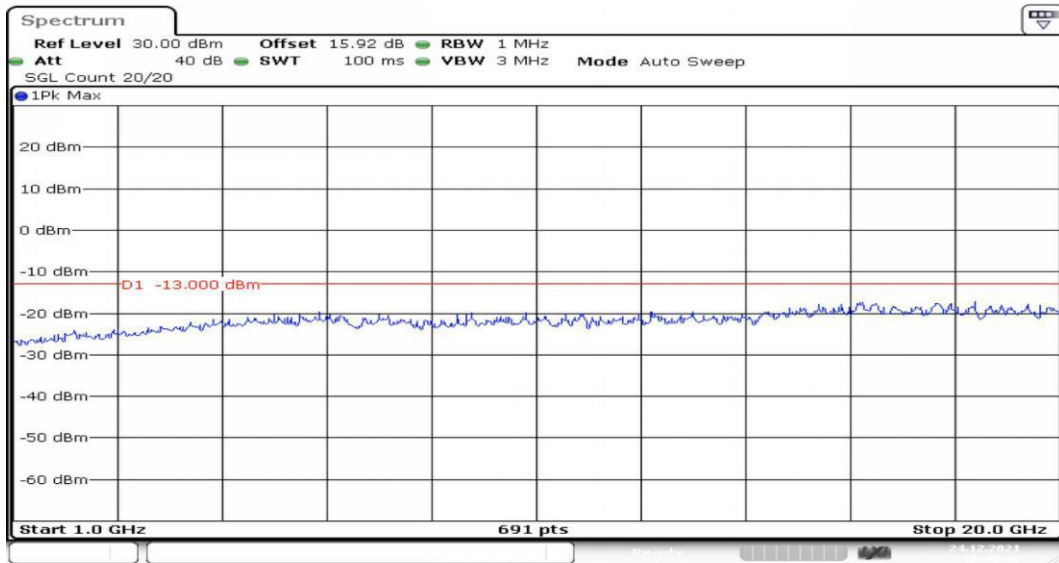
Date: 24.DEC.2021 10:30:52

Channel 810

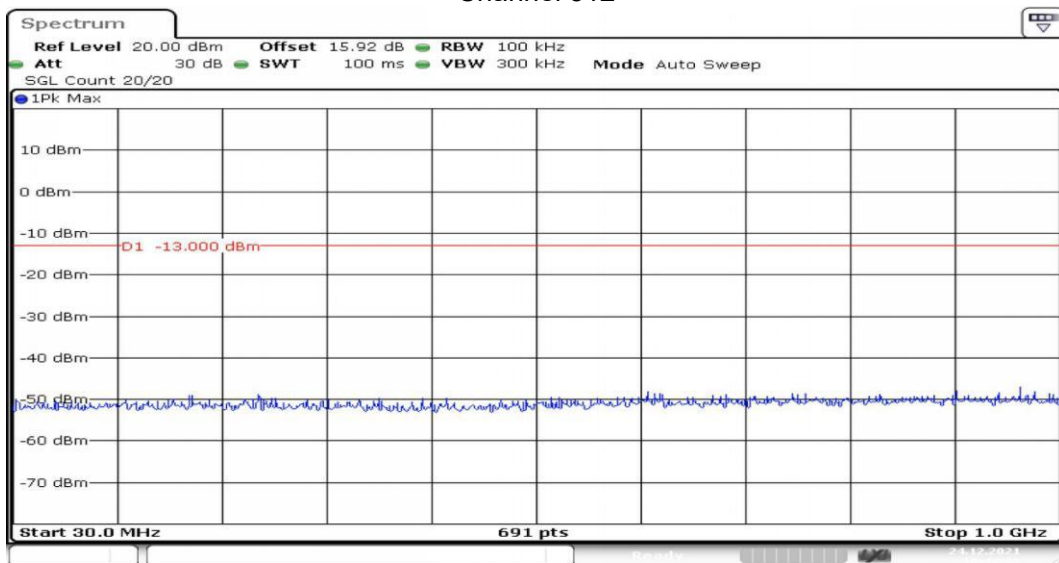
4. Spurious Emissions at antenna terminal

PCS1900

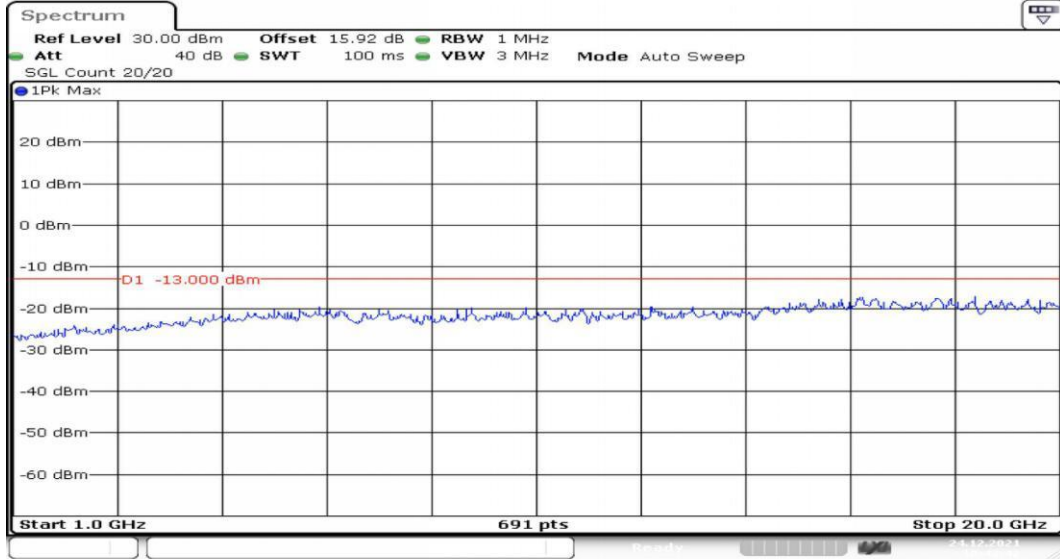
GSM MODE:



Channel 512

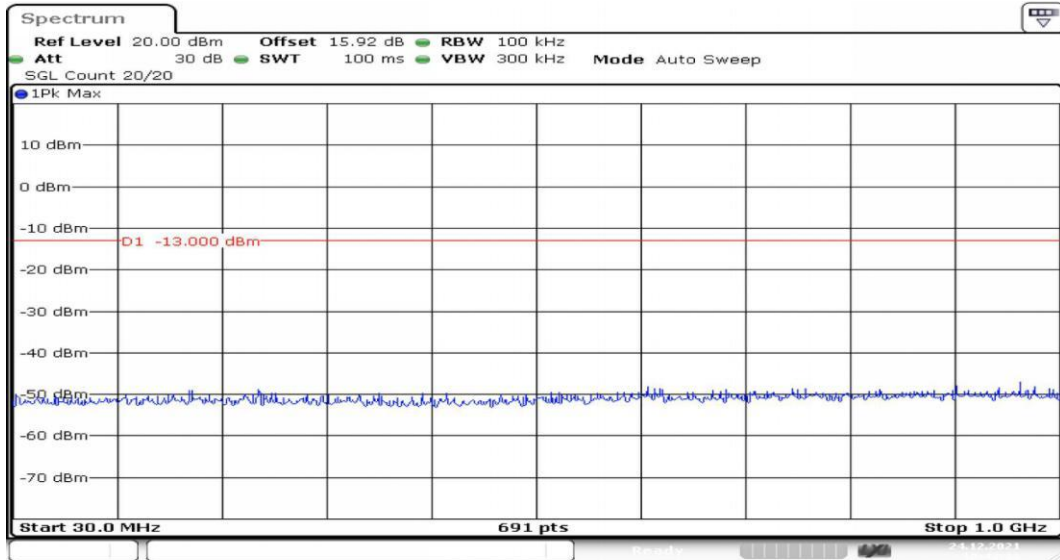


Channel 512



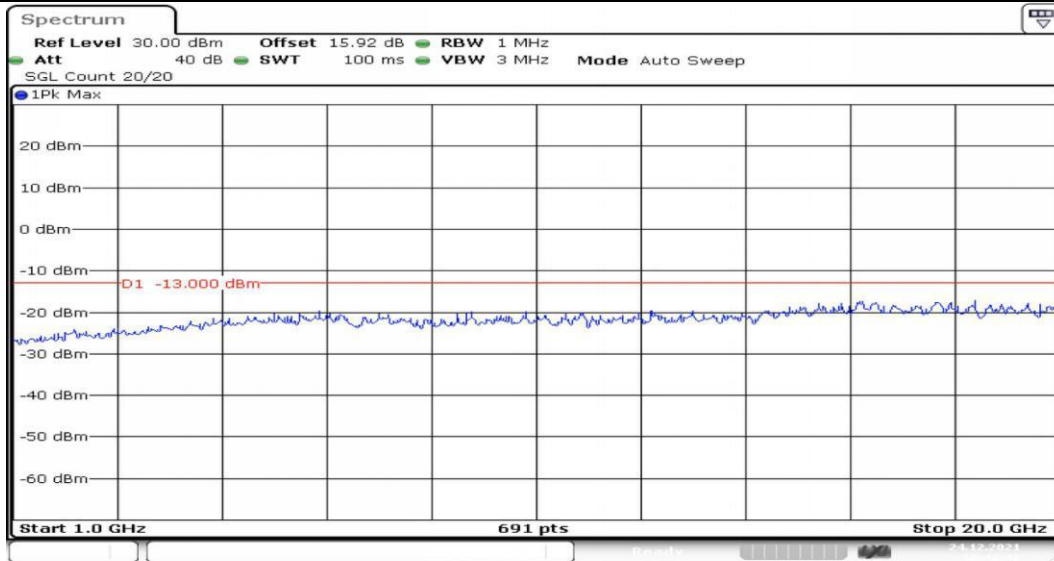
Date: 24.DEC.2021 10:43:42

Channel 661



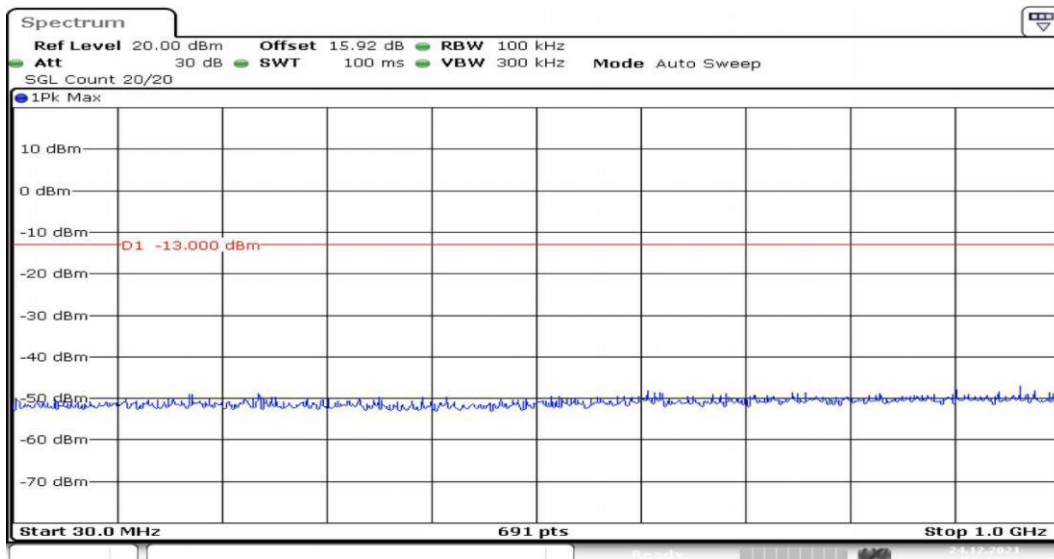
Date: 24.DEC.2021 10:43:33

Channel 661



Date: 24.DEC.2021 10:43:42

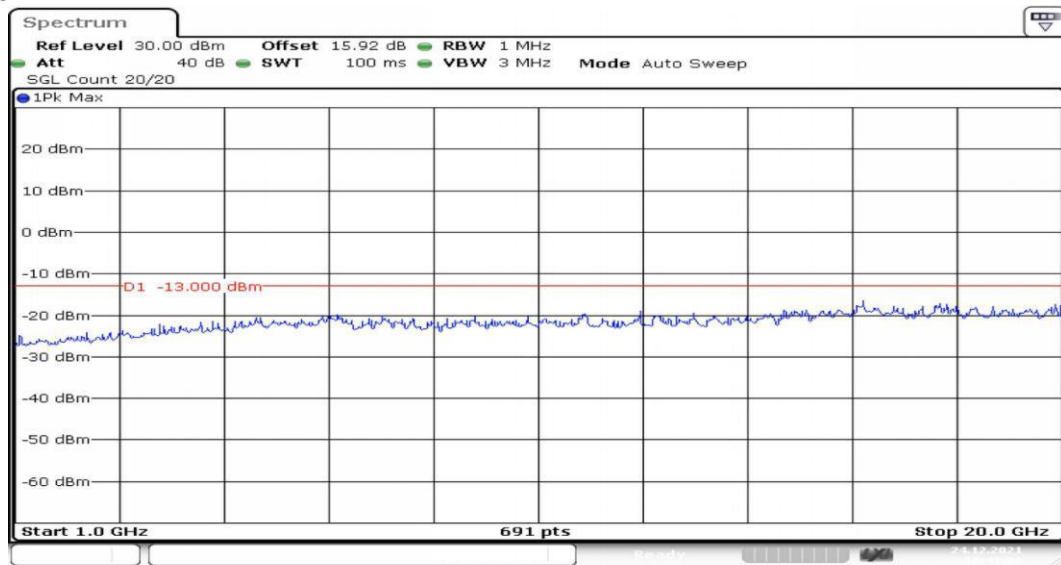
Channel 810



Date: 24.DEC.2021 10:43:33

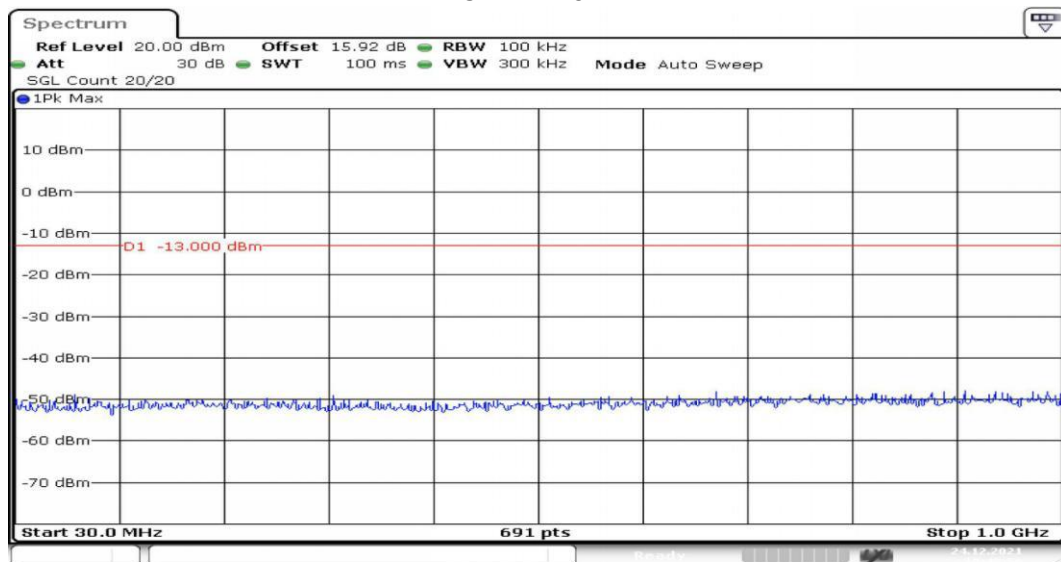
Channel 810

GPRS MODE:



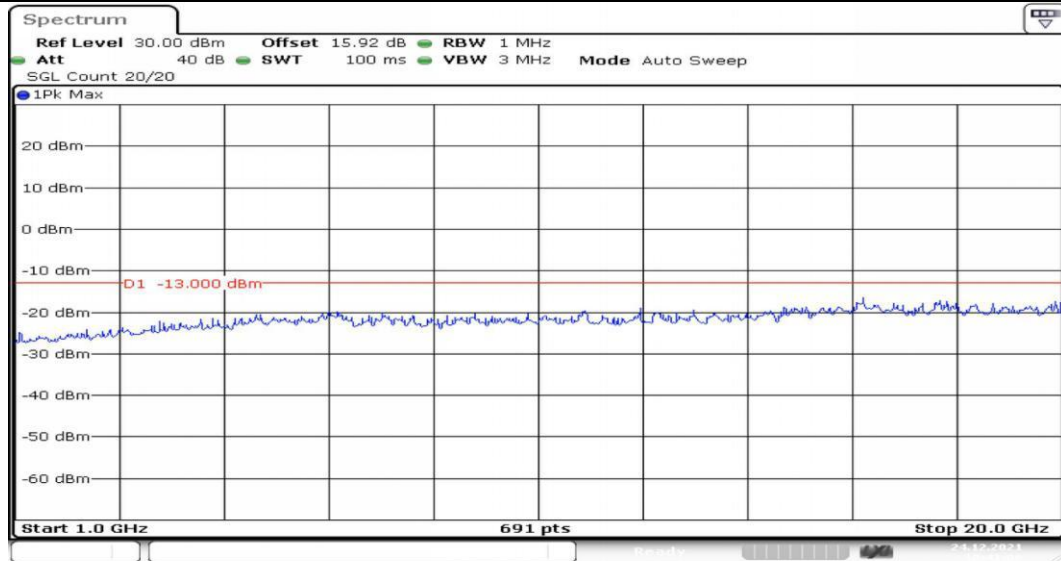
Date: 24.DEC.2021 10:41:00

Channel 512



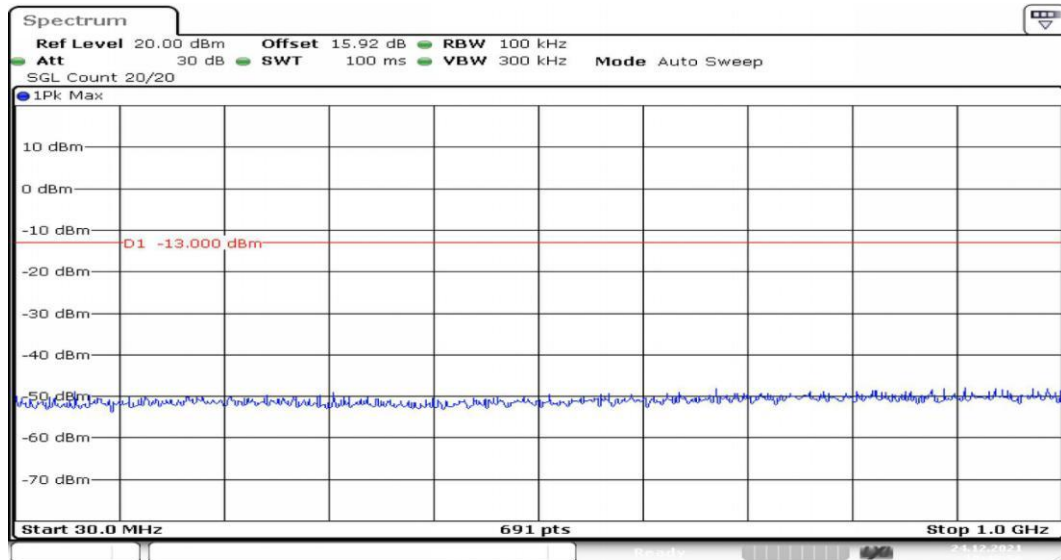
Date: 24.DEC.2021 10:40:50

Channel 512



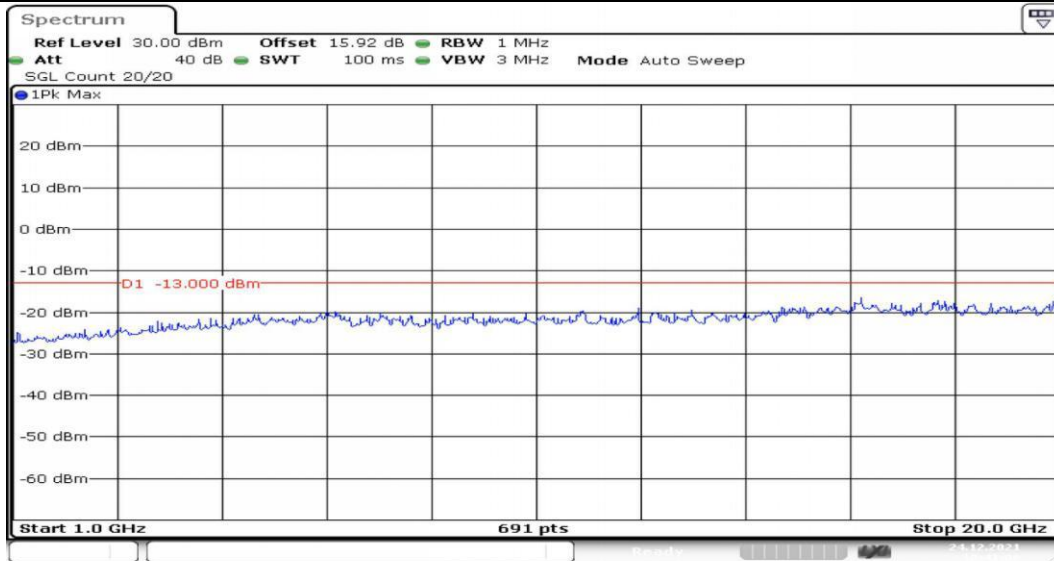
Date: 24.DEC.2021 10:41:00

Channel 661



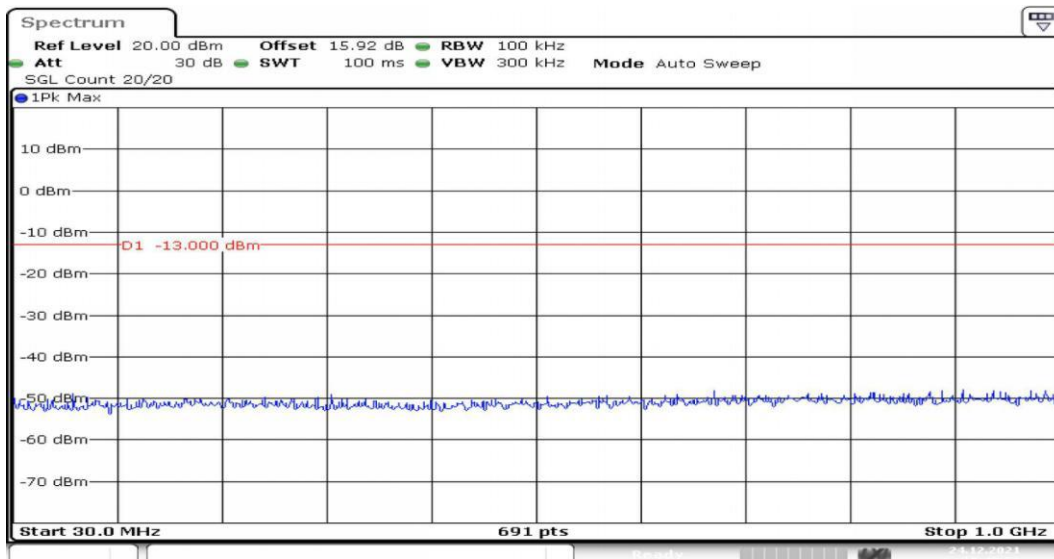
Date: 24.DEC.2021 10:40:50

Channel 661



Date: 24.DEC.2021 10:41:00

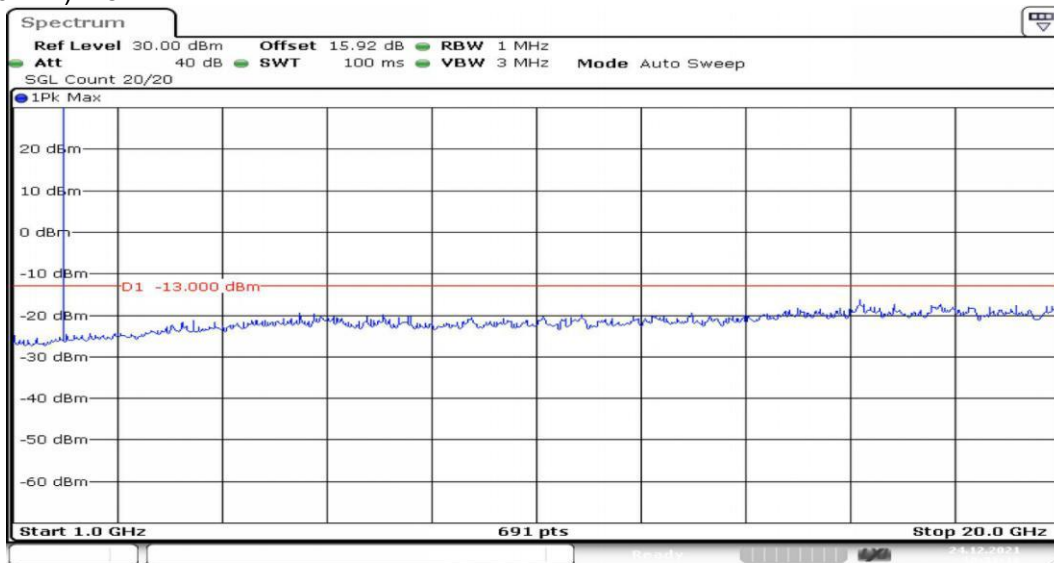
Channel 810



Date: 24.DEC.2021 10:40:50

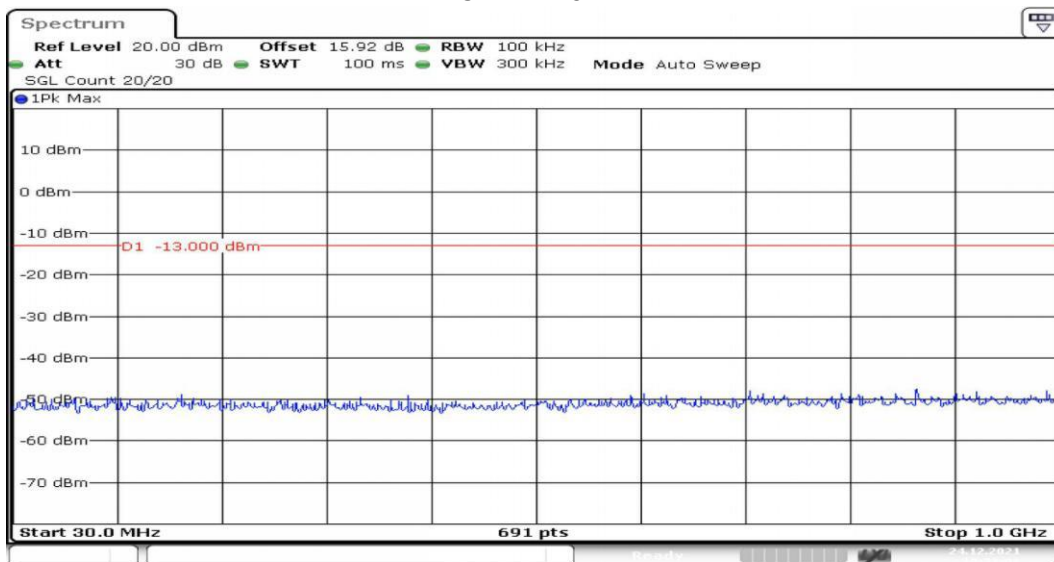
Channel 810

EGPRS (8PSK) MODE:



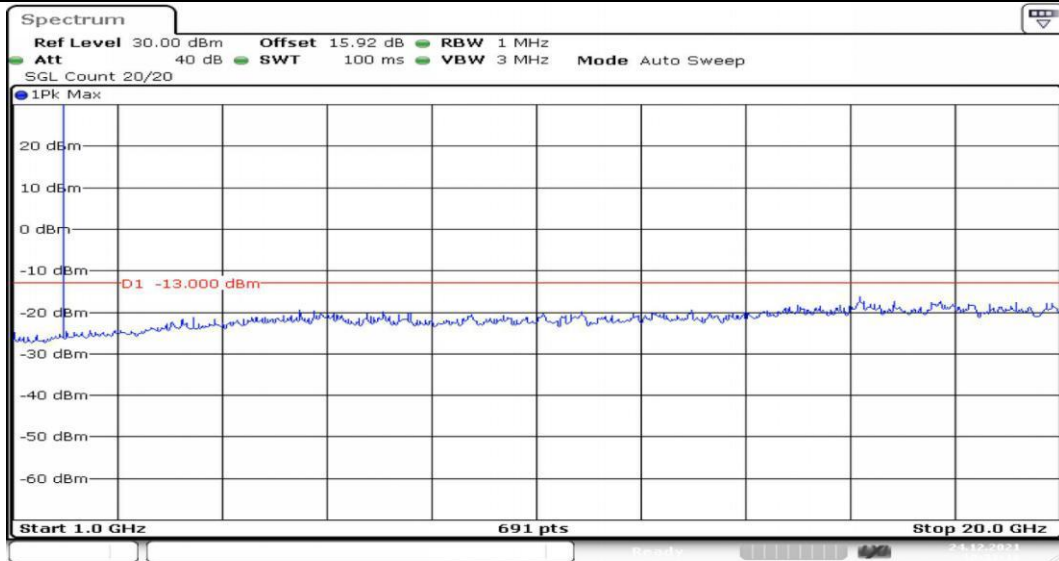
Date: 24.DEC.2021 10:31:18

Channel 512



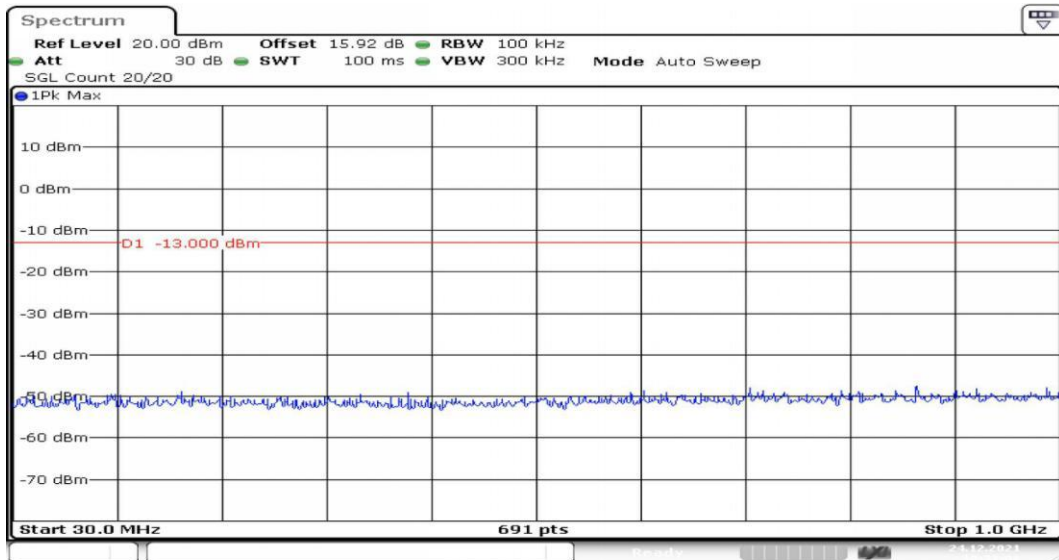
Date: 24.DEC.2021 10:31:08

Channel 512



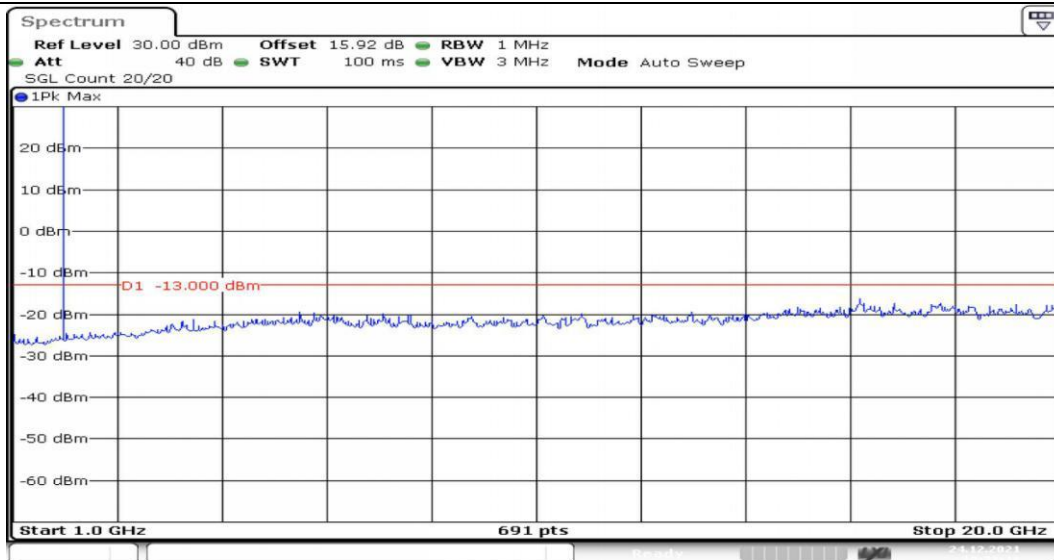
Date: 24.DEC.2021 10:31:18

Channel 661



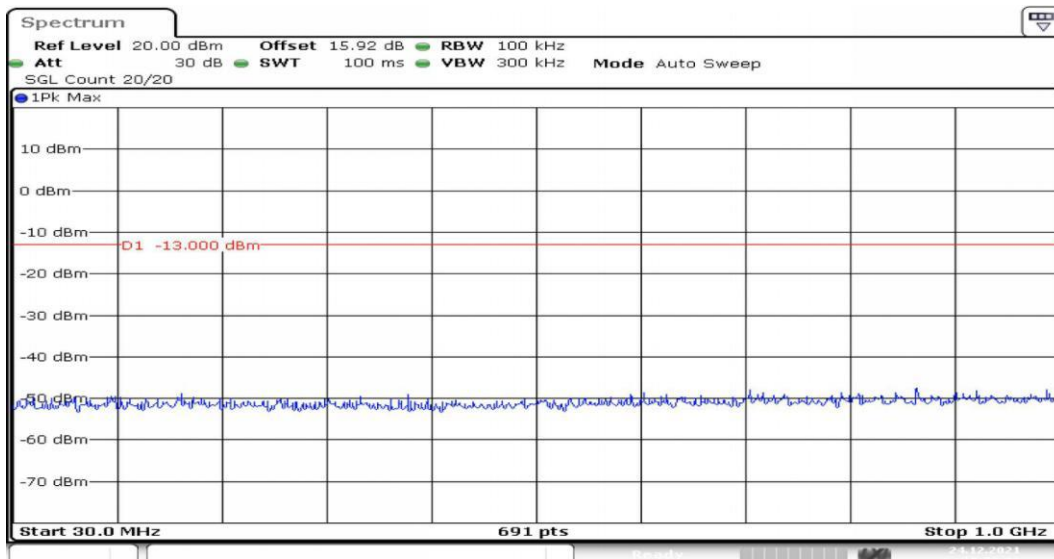
Date: 24.DEC.2021 10:31:08

Channel 661



Date: 24.DEC.2021 10:31:18

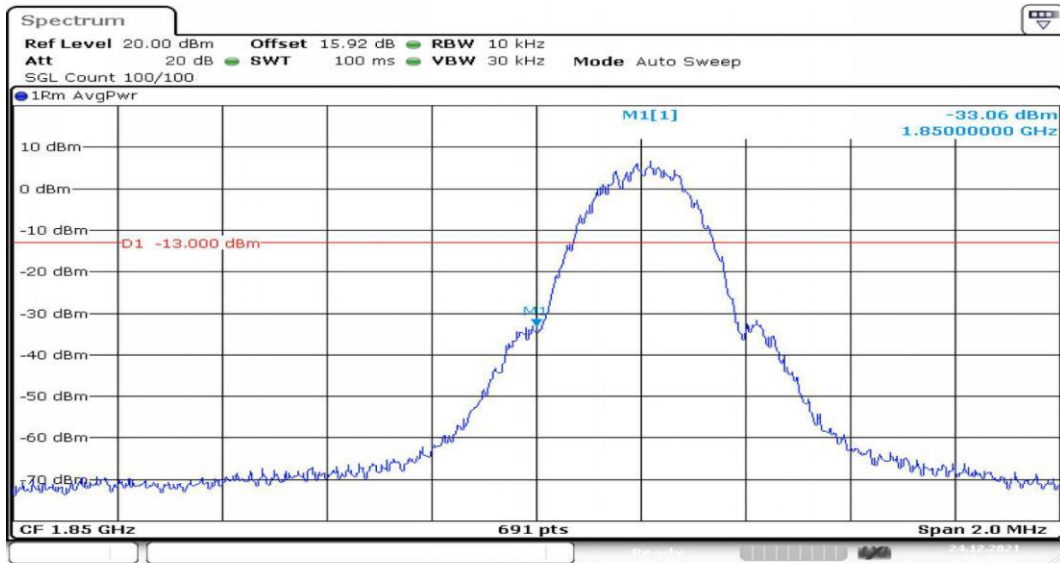
Channel 810



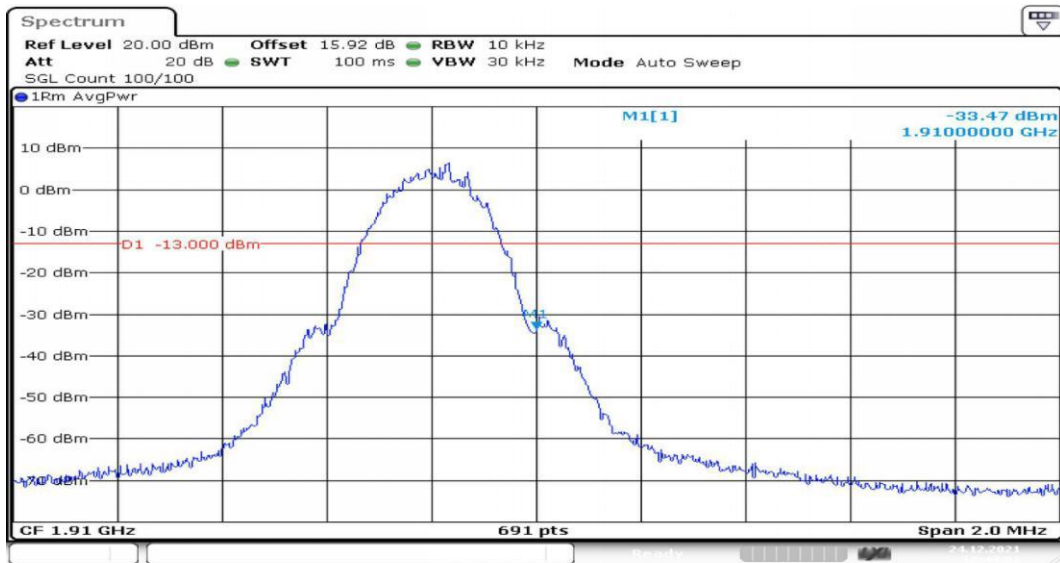
Date: 24.DEC.2021 10:31:08

Channel 810

5. Band Edges Compliance
PCS1900
GSM MODE:

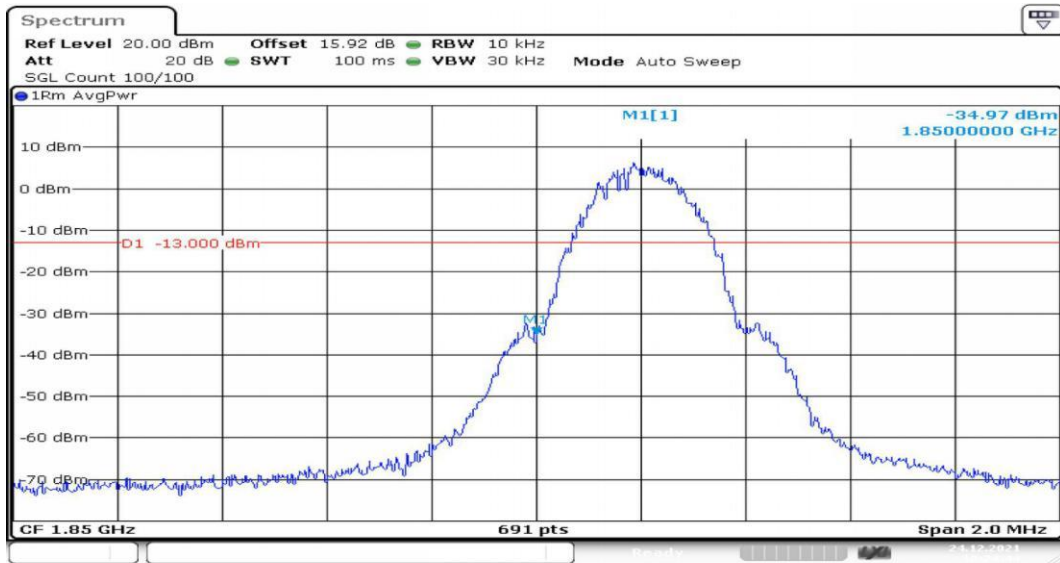


Channel 512

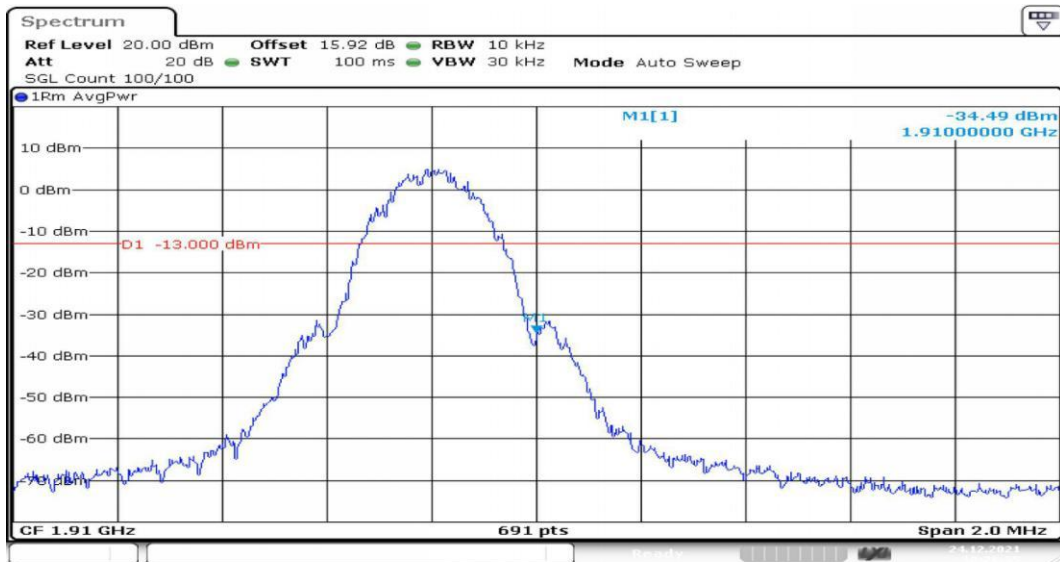


Channel 810

GPRS MODE:

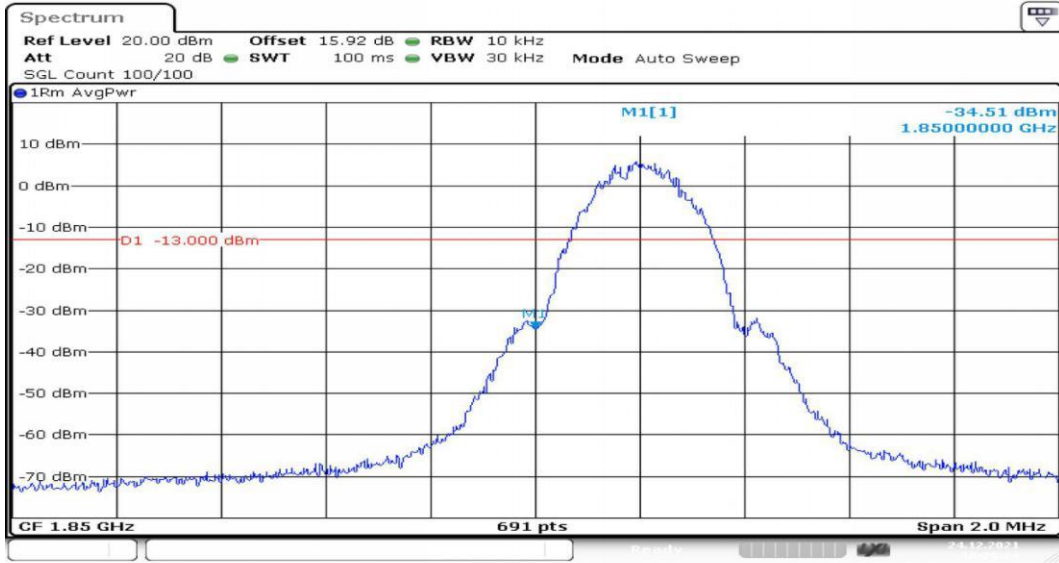


Channel 512



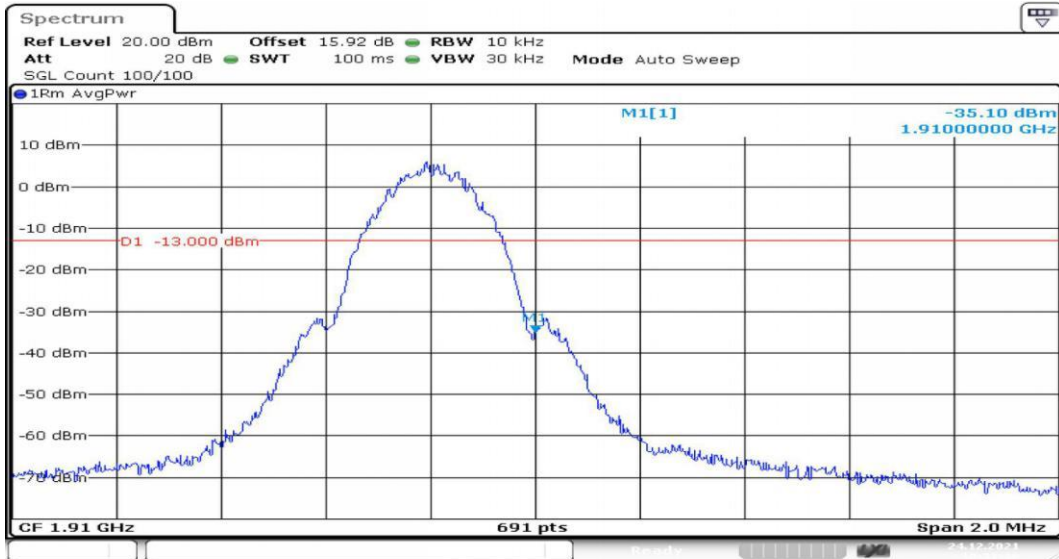
Channel 810

EGPRS (8PSK) MODE:



Date: 24.DEC.2021 10:29:24

Channel 512



Date: 24.DEC.2021 10:31:36

Channel 810

6. Frequency Stability

PCS1900

GSM MODE:

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

GPRS MODE:

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

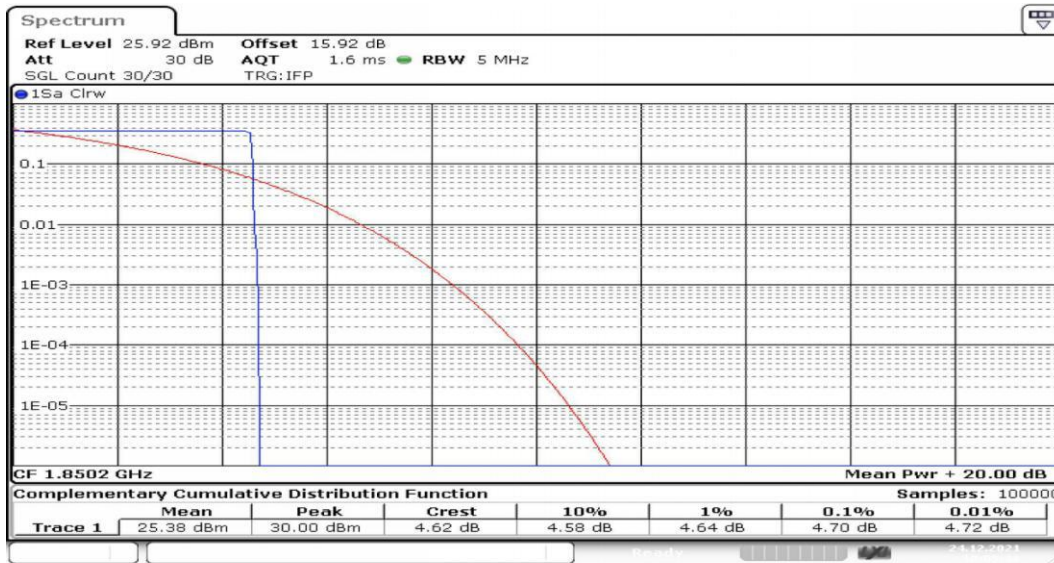
EGPRS (8PSK) MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-10	0.007	0.002	0.003
0	0.012	-0.002	0.001
+10	0.009	-0.001	-0.001
+30	0.006	-0.001	0.000
+40	0.004	-0.002	0.002
+55	0.005	0.005	-0.001
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	0.009	-0.002	0.004
HV	0.013	0.000	0.003

7. Peak-Average Ratio

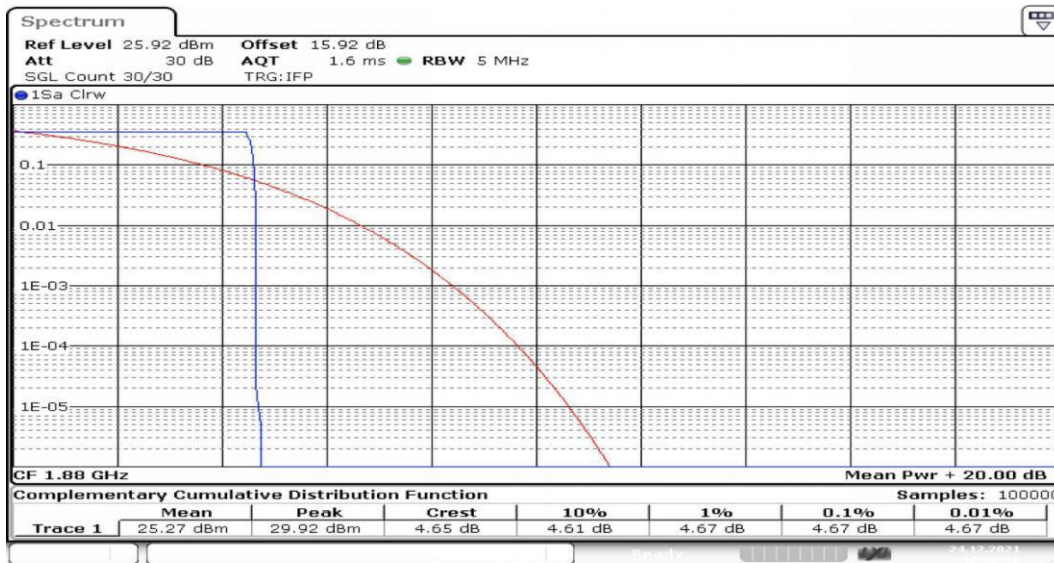
PCS1900

GSM MODE:



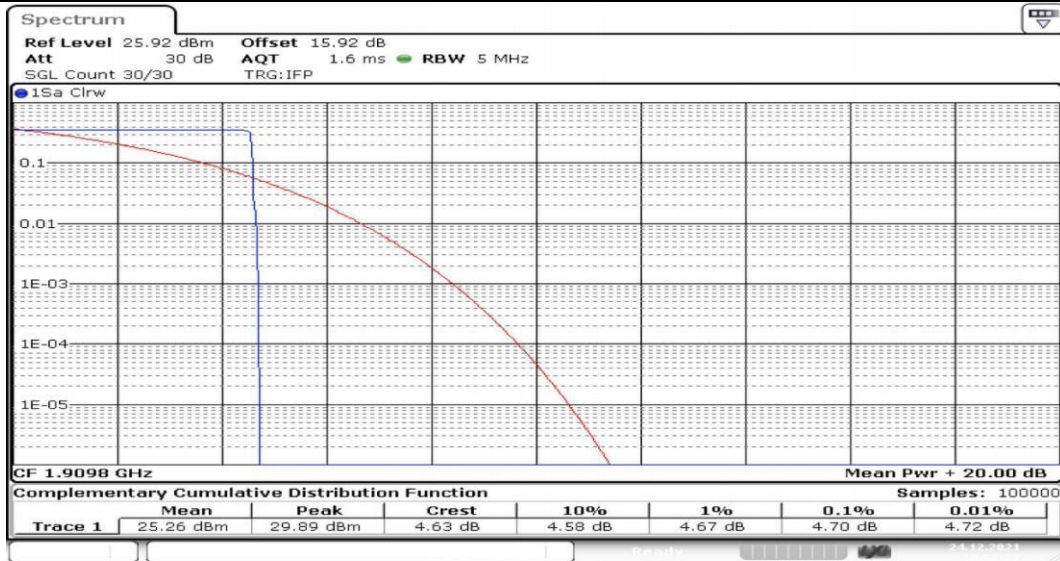
Date: 24.DEC.2021 10:05:38

Channel 512



Date: 24.DEC.2021 10:06:42

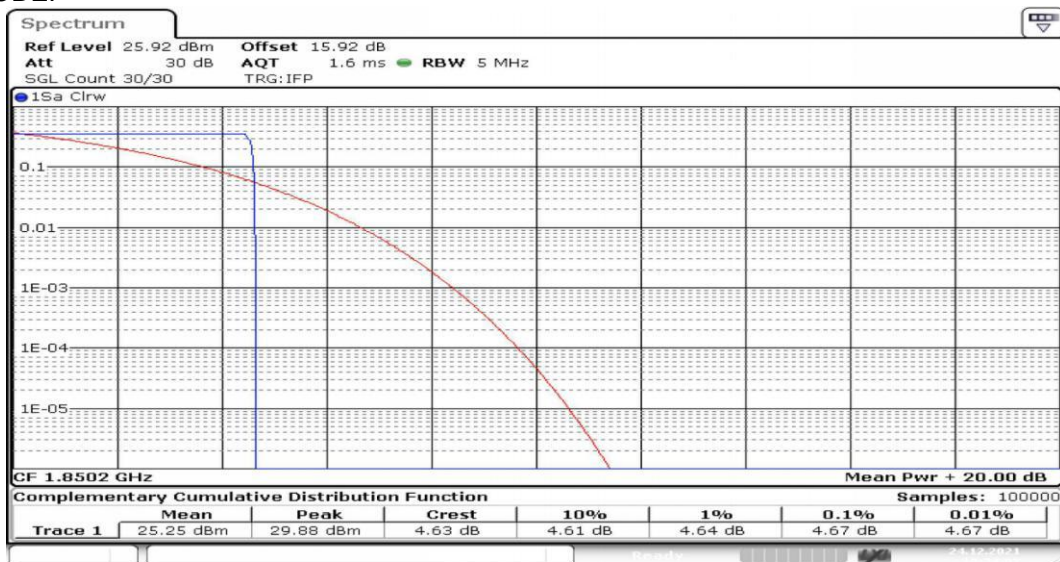
Channel 661



Date: 24.DEC.2021 10:07:27

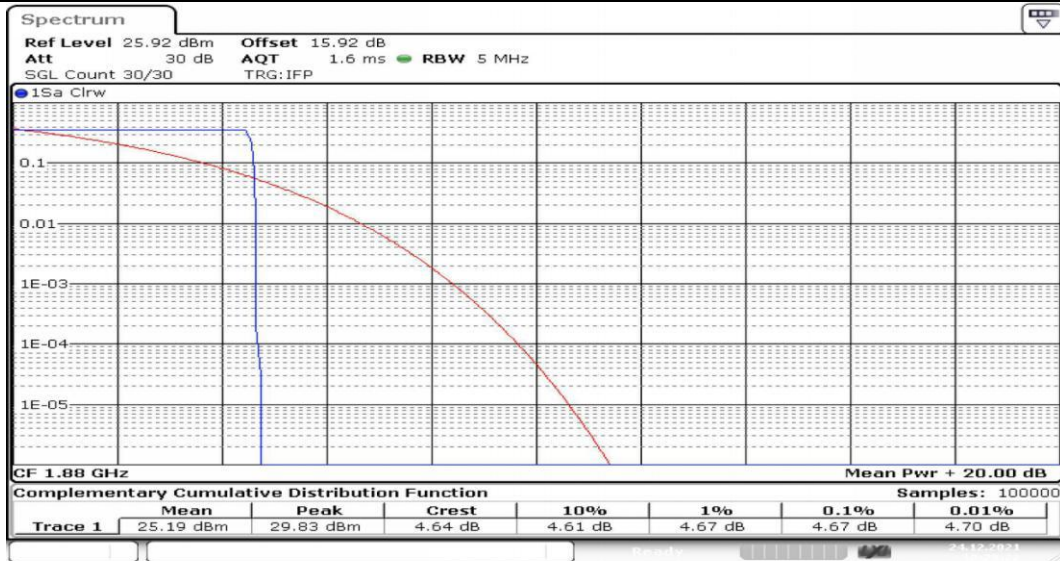
Channel 810

GPRS MODE:



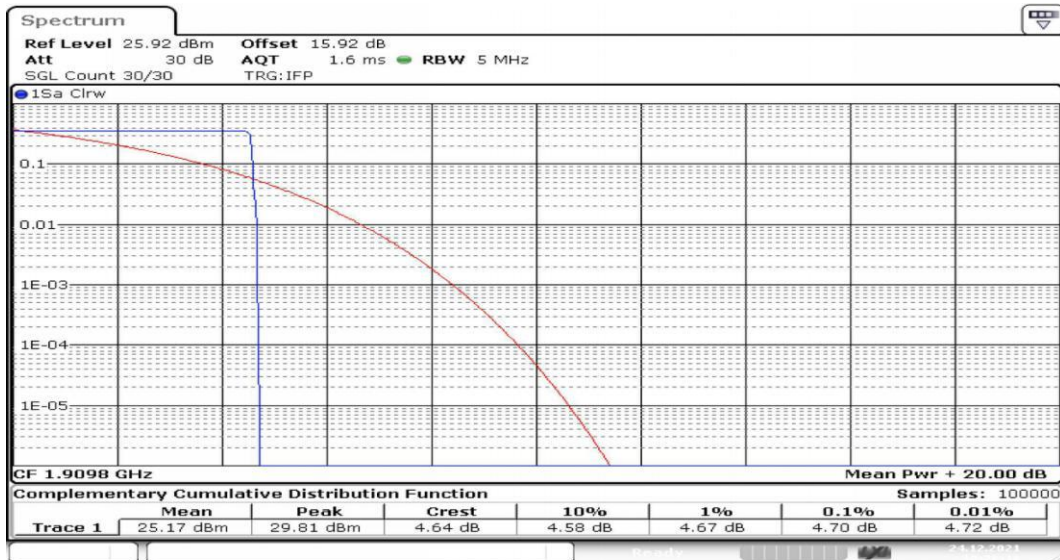
Date: 24.DEC.2021 10:24:07

Channel 512



Date: 24.DEC.2021 10:25:22

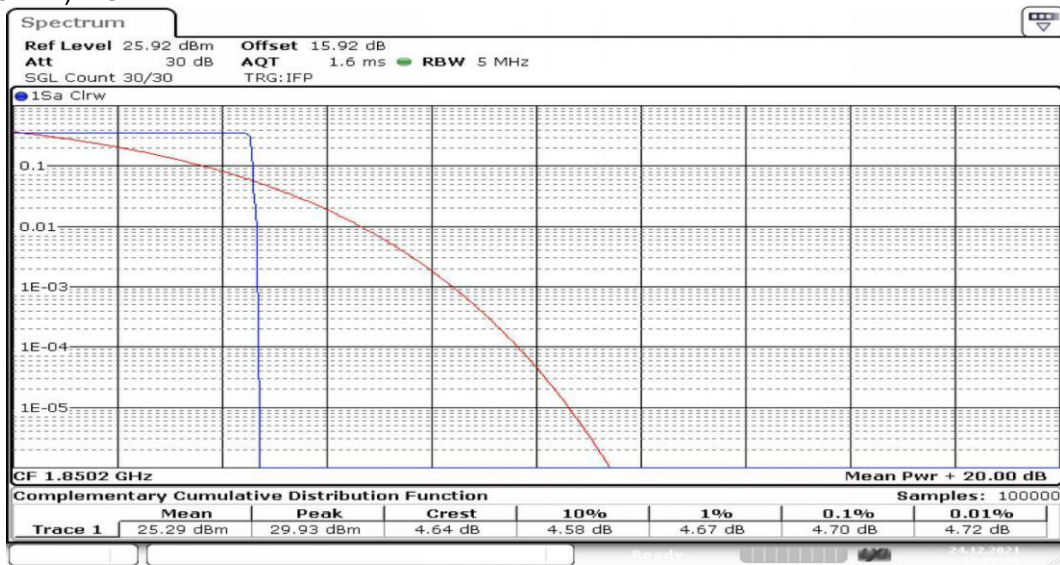
Channel 661



Date: 24.DEC.2021 10:26:18

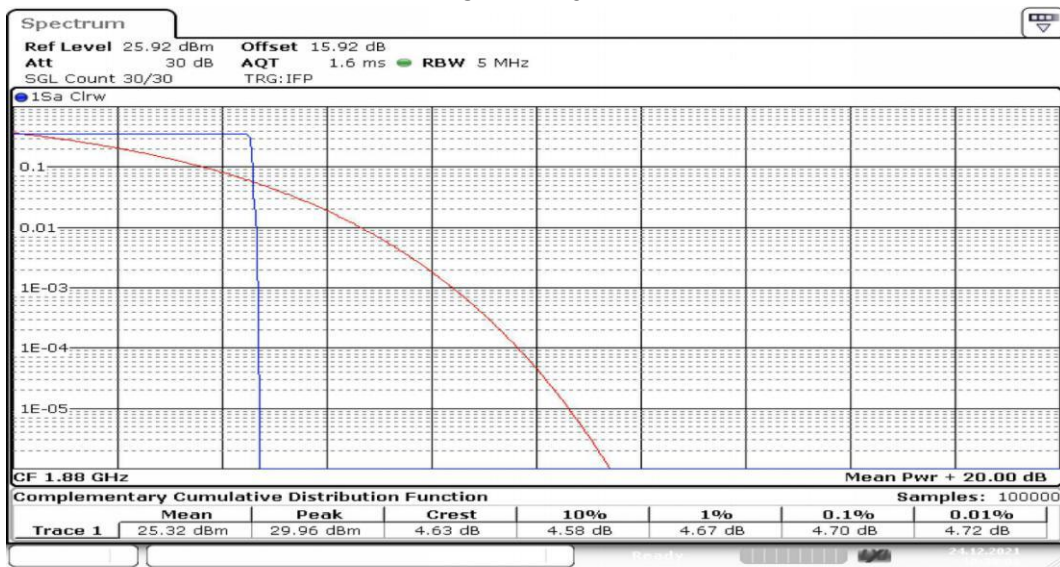
Channel 810

EGPRS (8PSK) MODE:



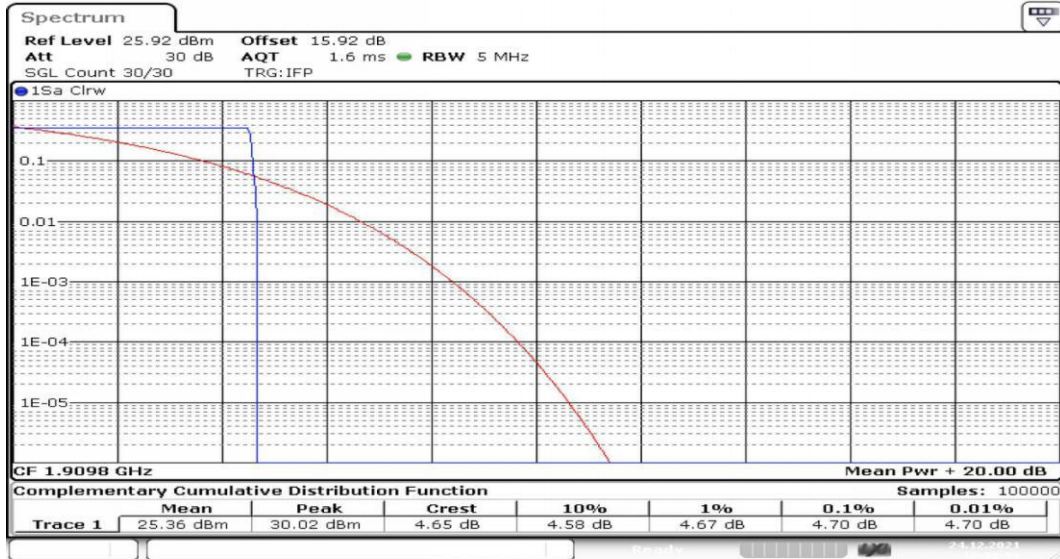
Date: 24.DEC.2021 10:28:48

Channel 512



Date: 24.DEC.2021 10:30:03

Channel 661



Date: 24.DEC.2021 10:30:59

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	28.52	27.02	0.504
1880	661	28.36	26.86	0.485
1909.8	810	28.47	26.97	0.498

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	4Down1Up	28.53	27.03	0.505
1880	661		28.36	26.86	0.485
1909.8	810		28.46	26.96	0.497
1850.2	512	3Down2Up	28.43	26.93	0.493
1880	661		28.25	26.75	0.473
1909.8	810		28.34	26.84	0.483
1850.2	512	2Down3Up	28.35	26.85	0.484
1880	661		28.17	26.67	0.465
1909.8	810		28.23	26.73	0.471
1850.2	512	1Down4Up	26.46	24.96	0.313
1880	661		25.99	24.49	0.281
1909.8	810		25.92	24.42	0.277

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	4Down1Up	28.59	27.09	0.512
1880	661		28.52	27.02	0.504
1909.8	810		28.70	27.20	0.525
1850.2	512	3Down2Up	28.54	27.04	0.506
1880	661		28.46	26.96	0.497
1909.8	810		28.64	27.14	0.518
1850.2	512	2Down3Up	28.49	26.99	0.500
1880	661		28.40	26.90	0.490
1909.8	810		28.56	27.06	0.508
1850.2	512	1Down4Up	26.58	25.08	0.322
1880	661		26.18	24.68	0.294
1909.8	810		26.23	24.73	0.297

DCS1800 Result

1. RF Power Output

DCS1800

GSM Measured Power:

Carrier frequency (MHz)	Channel No.	RF Power Output (dBm)
1850.2	512	19.99
1887.6	699	19.90
1924.8	885	20.05

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	RF Power Output (dBm)
1850.2	512	4Down1Up	19.52
1887.6	699	4Down1Up	19.50
1924.8	885	4Down1Up	19.62
1850.2	512	3Down2Up	19.66
1887.6	699	3Down2Up	19.65
1924.8	885	3Down2Up	19.73
1850.2	512	2Down3Up	19.77
1887.6	699	2Down3Up	19.73
1924.8	885	2Down3Up	19.82
1850.2	512	1Down4Up	19.87
1887.6	699	1Down4Up	19.82
1924.8	885	1Down4Up	19.92

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	RF Power Output (dBm)
1850.2	512	4Down1Up	19.53
1887.6	699	4Down1Up	19.54
1924.8	885	4Down1Up	19.63
1850.2	512	3Down2Up	19.65
1887.6	699	3Down2Up	19.66
1924.8	885	3Down2Up	19.69
1850.2	512	2Down3Up	19.76
1887.6	699	2Down3Up	19.74
1924.8	885	2Down3Up	19.80
1850.2	512	1Down4Up	19.88
1887.6	699	1Down4Up	19.85
1924.8	885	1Down4Up	19.91

2. Occupied Bandwidth

DCS1800

GSM MODE:

Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (kHz)
1850.2	512	248.63
1887.6	699	241.32
1924.8	885	247.68

GPRS MODE:

Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (kHz)
1850.2	512	246.20
1887.6	699	240.43
1924.8	885	241.36

EGPRS (8PSK) MODE:

Carrier frequency (MHz)	Channel No.	Bandwidth of 99% Power (kHz)
1850.2	512	237.57
1887.6	699	241.17
1924.8	885	239.70

DCS1800
GSM MODE:



Channel 512



Channel 699



Channel 885

GPRS MODE:



Channel 512



Channel 699



Channel 885

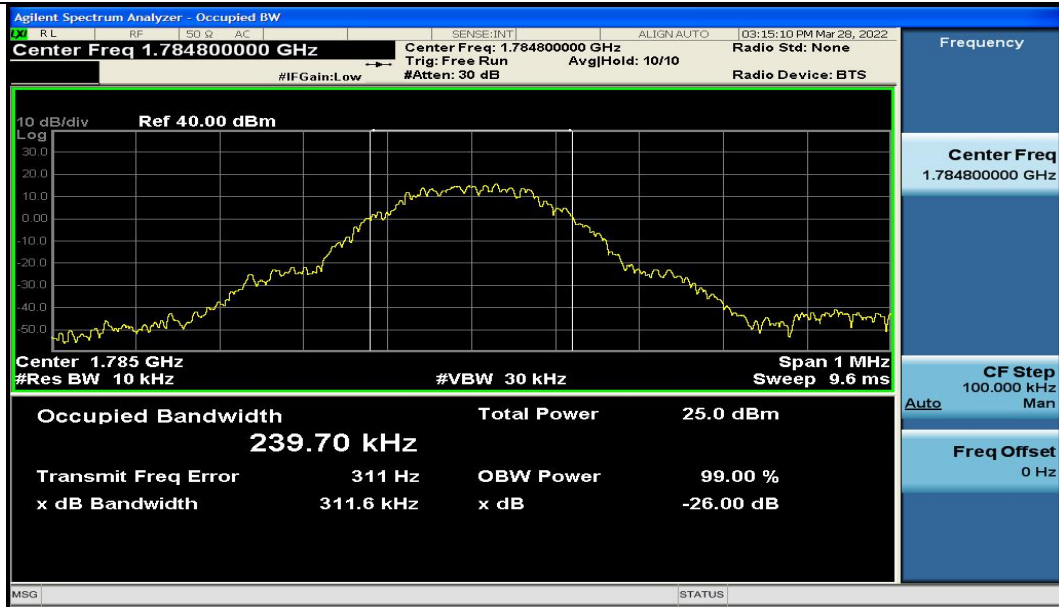
EGPRS (8PSK) MODE:



Channel 512



Channel 699



Channel 885

3. Emission Bandwidth

DCS1800

GSM MODE:

Carrier frequency (MHz)	Channel No.	Bandwidth of -26dB transmitter power(kHz)
1850.2	512	307.40
1887.6	699	317.81
1924.8	885	298.41

GPRS MODE:

Carrier frequency (MHz)	Channel No.	Bandwidth of -26dB (kHz)
1850.2	512	316.10
1887.6	699	311.07
1924.8	885	301.18

EGPRS (8PSK) MODE:

Carrier frequency (MHz)	Channel No.	Bandwidth of -26dB transmitter power(kHz)
1850.2	512	318.06
1887.6	699	315.23
1924.8	885	311.64

DCS1800
GSM MODE:



Channel 512



Channel 699



Channel 885

GPRS MODE:



Channel 512



Channel 699



Channel 885

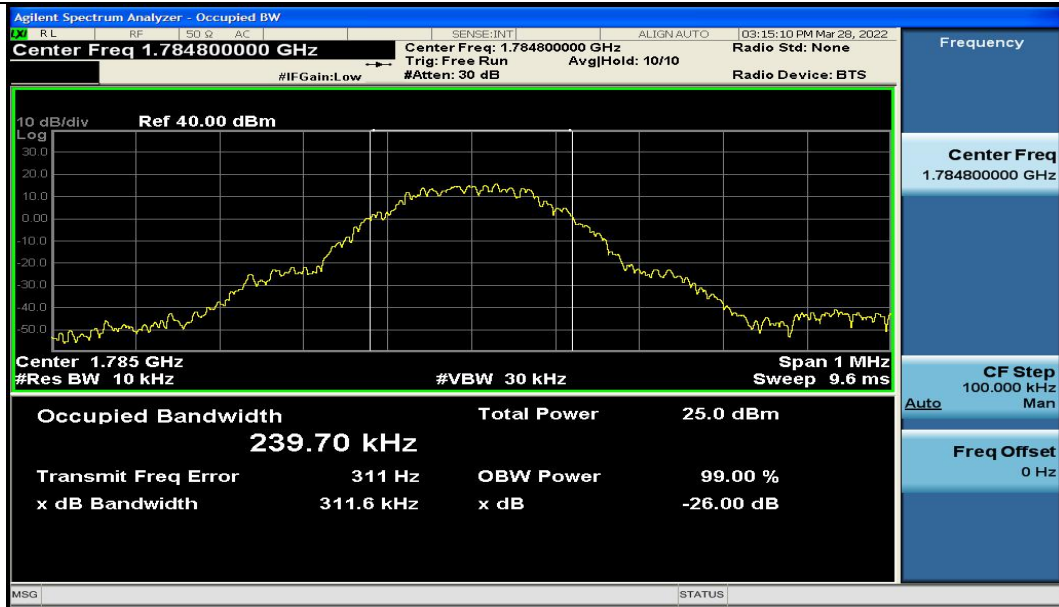
EGPRS (8PSK) MODE:



Channel 512



Channel 699



Channel 885

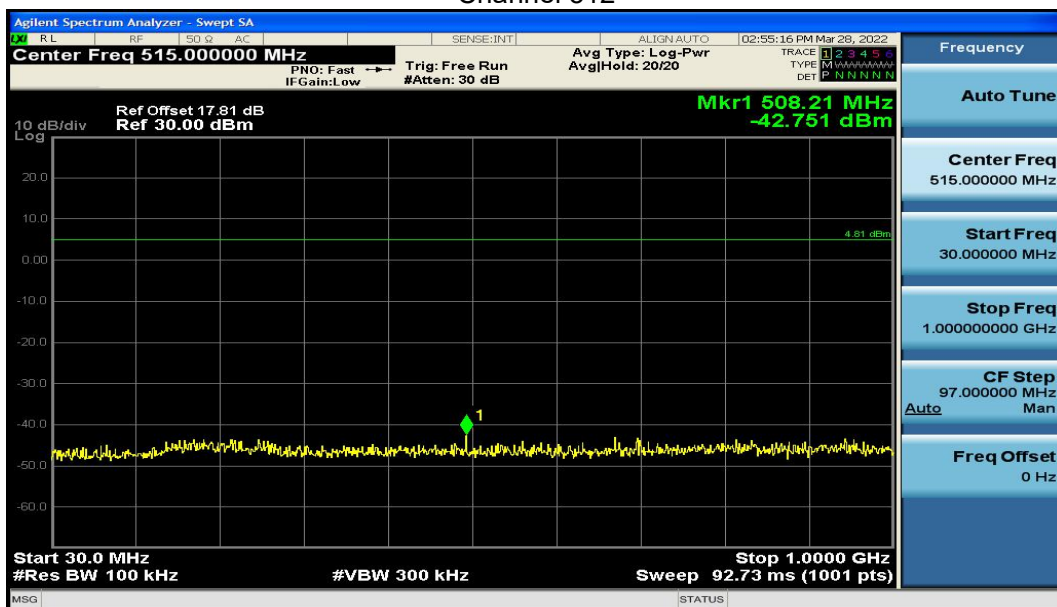
4. Spurious Emissions at antenna terminal

DCS1800

GSM MODE:



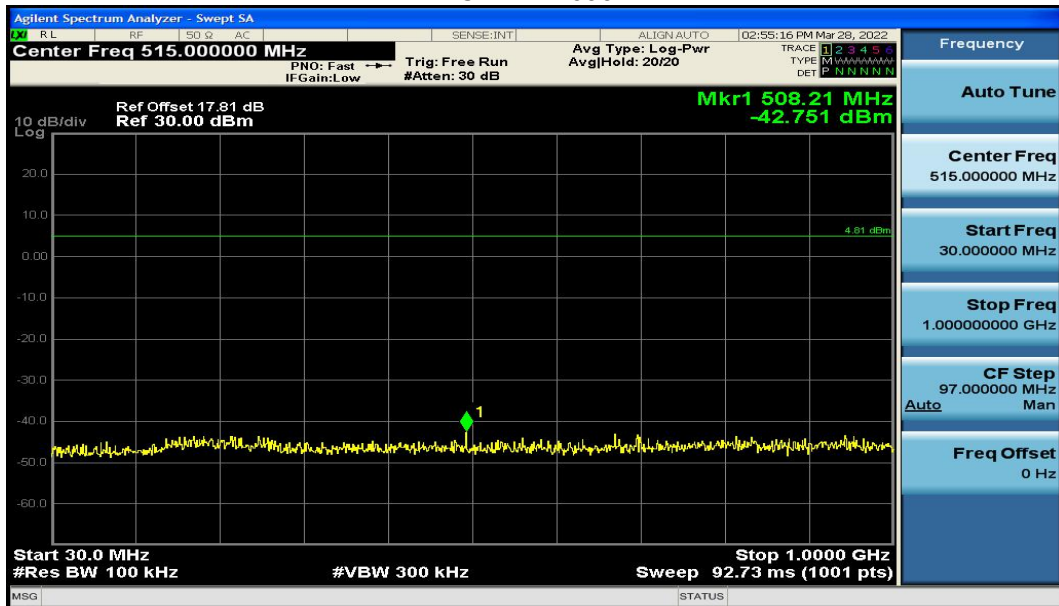
Channel 512



Channel 512



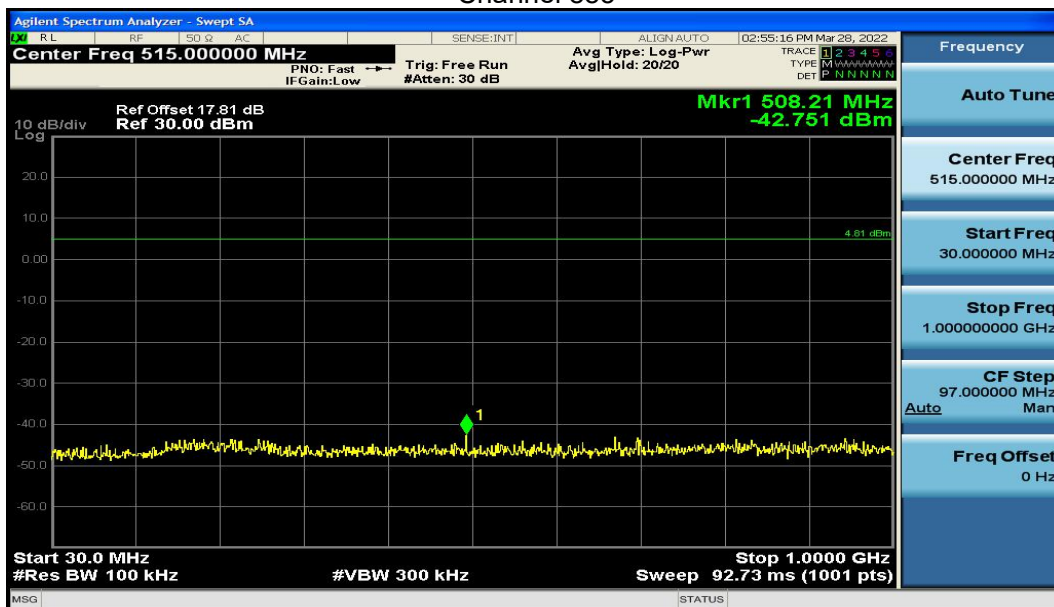
Channel 699



Channel 699



Channel 885

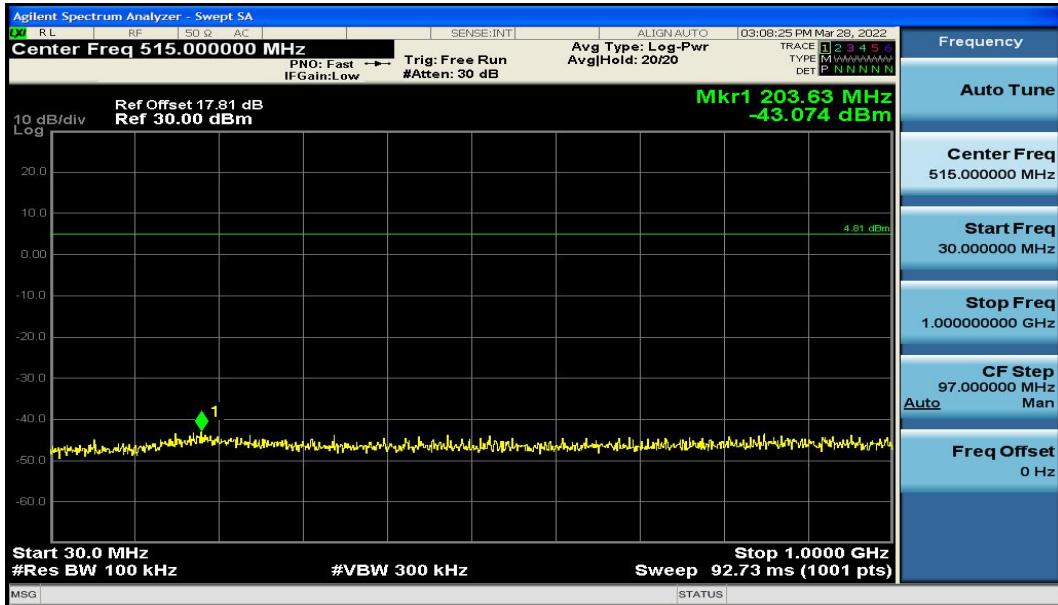


Channel 885

GPRS MODE:



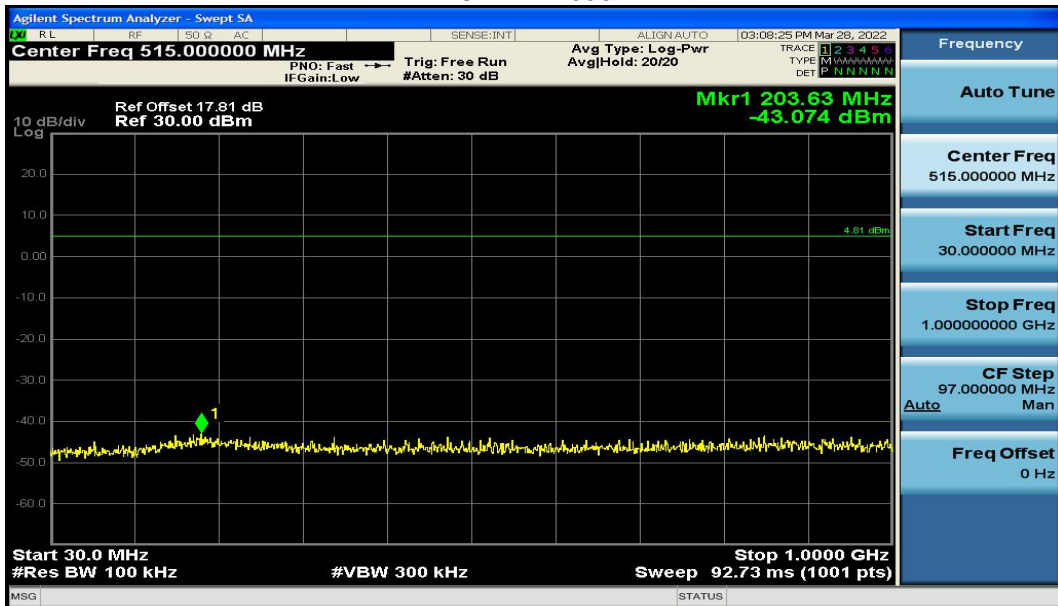
Channel 512



Channel 512



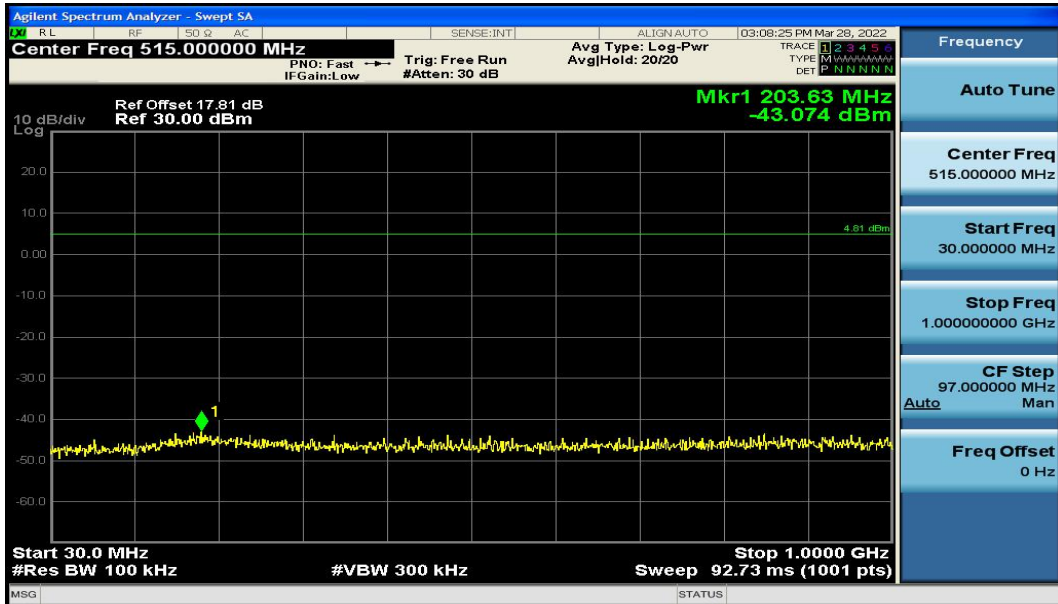
Channel 699



Channel 699

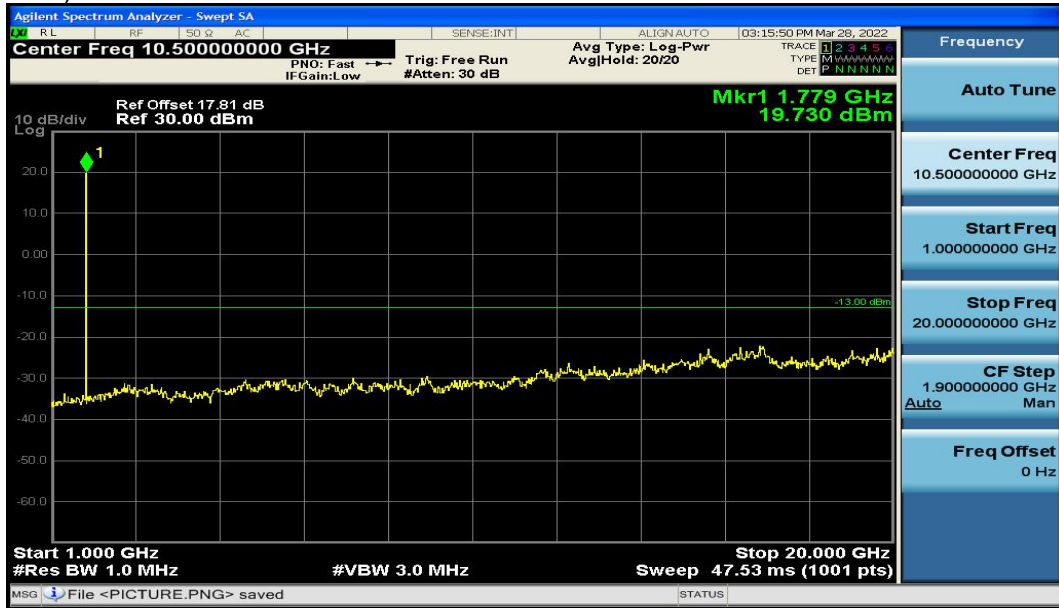


Channel 885

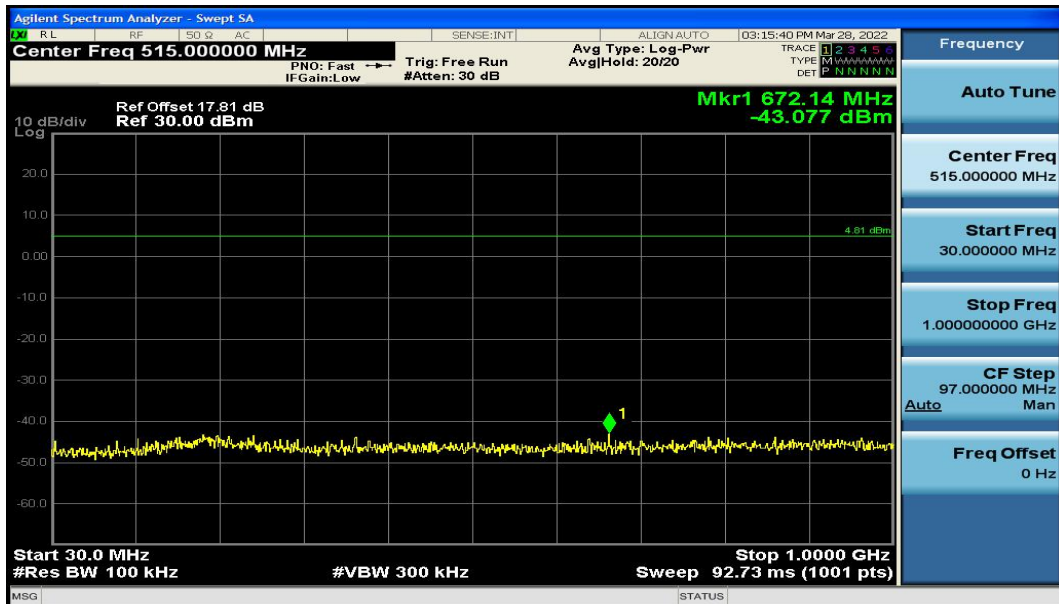


Channel 885

EGPRS (8PSK) MODE:



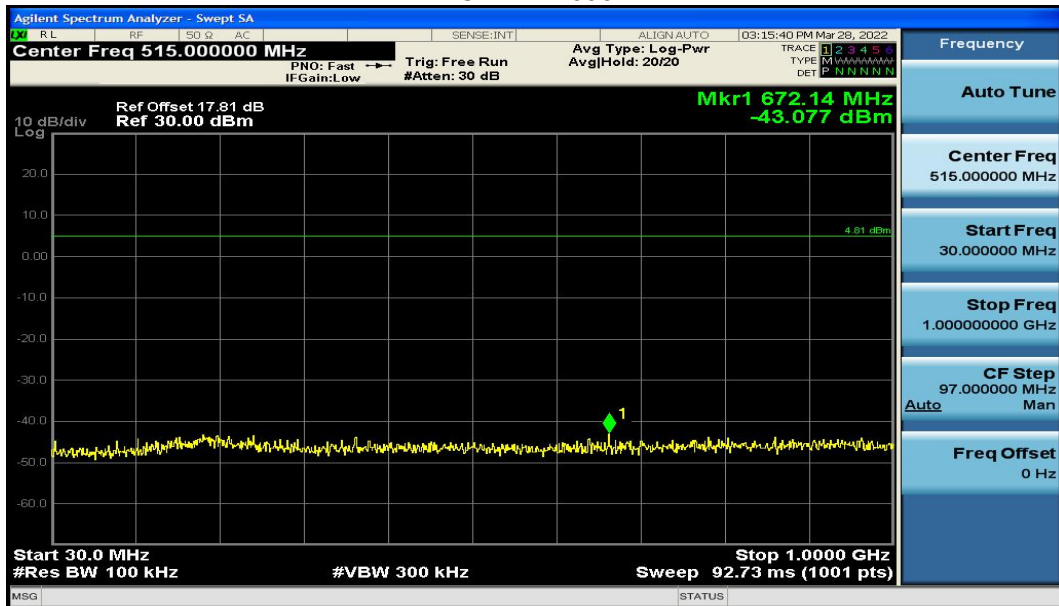
Channel 512



Channel 512



Channel 699



Channel 699