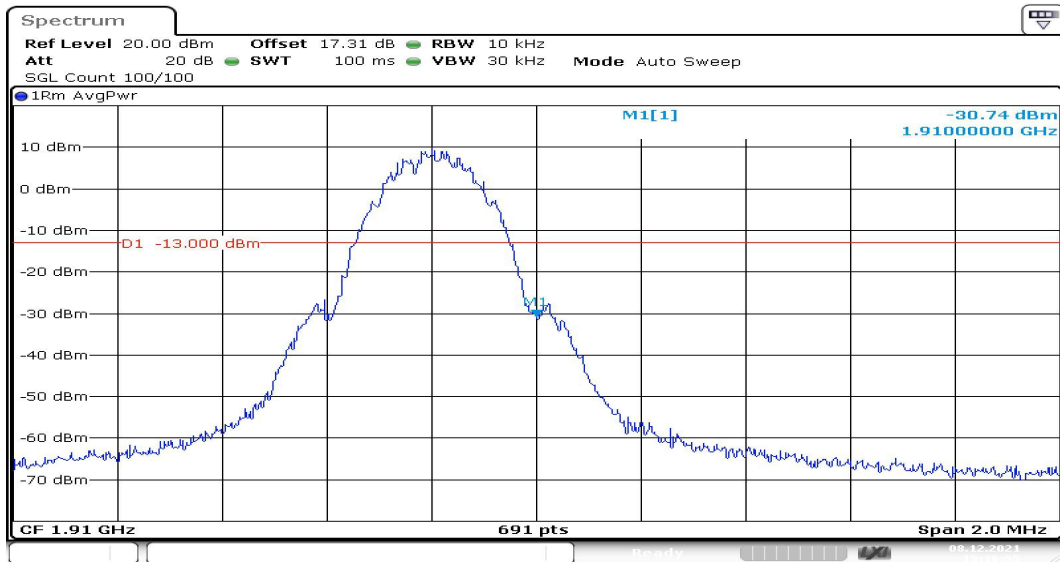


Date: 8.DEC.2021 15:14:57

Channel 512



Date: 8.DEC.2021 15:16:55

Channel 810

6. Frequency Stability

PCS1900

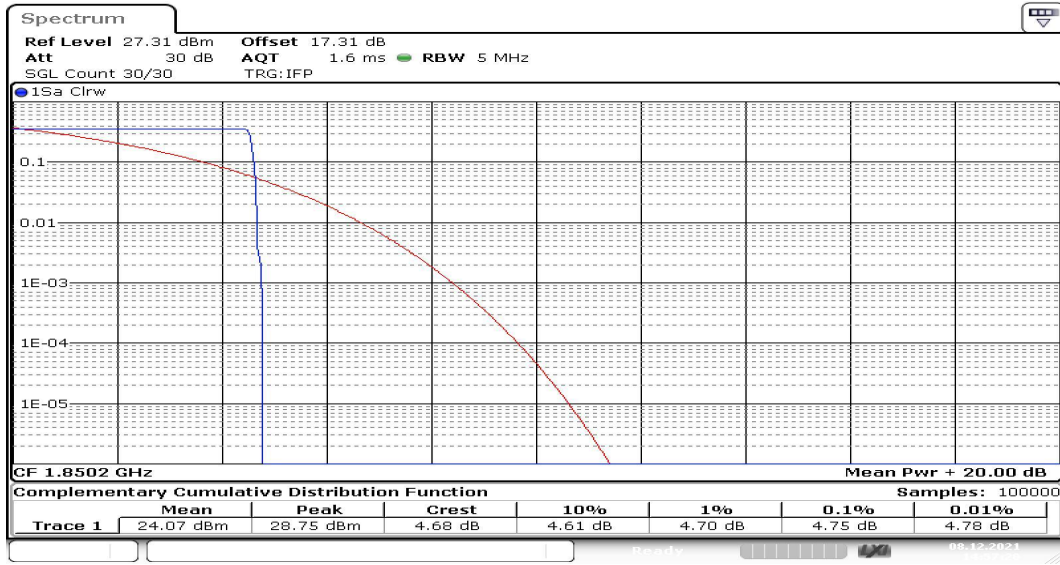
GPRS MODE:

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

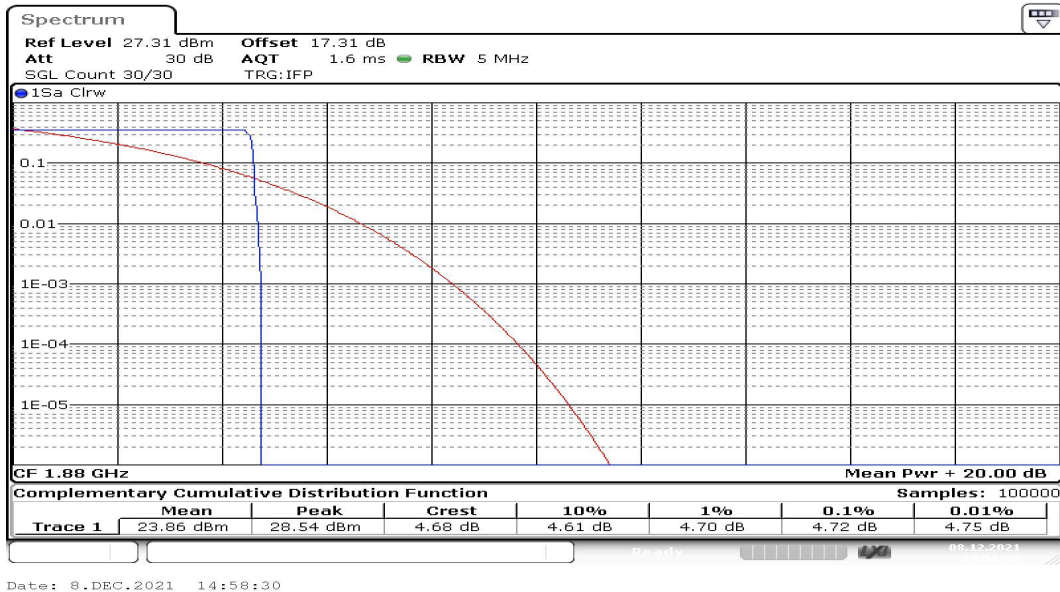
EGPRS (8PSK) MODE:

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

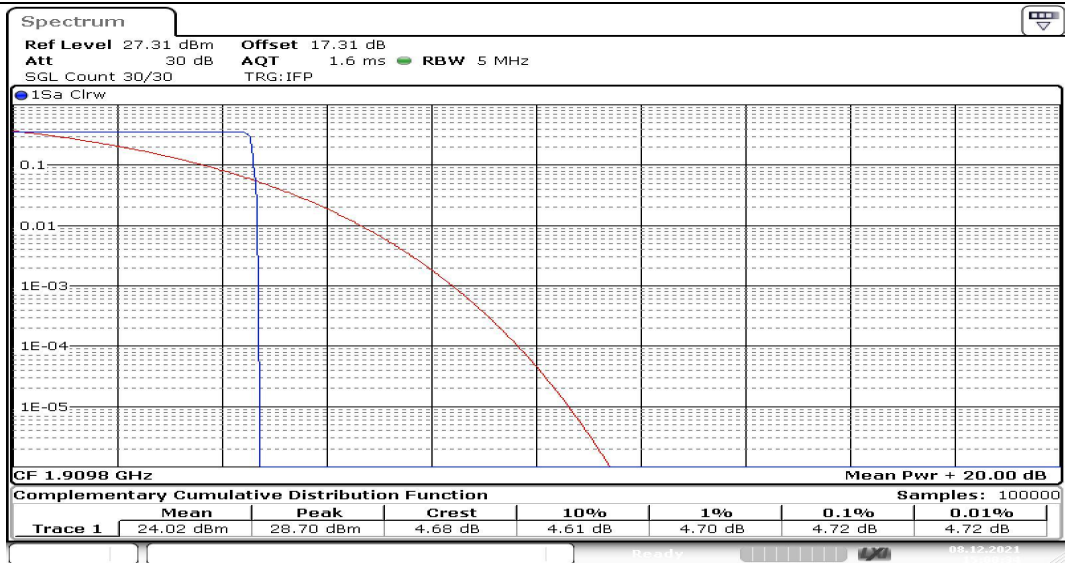
7. Peak-Average Ratio
PCS1900
GPRS MODE:



Channel 512



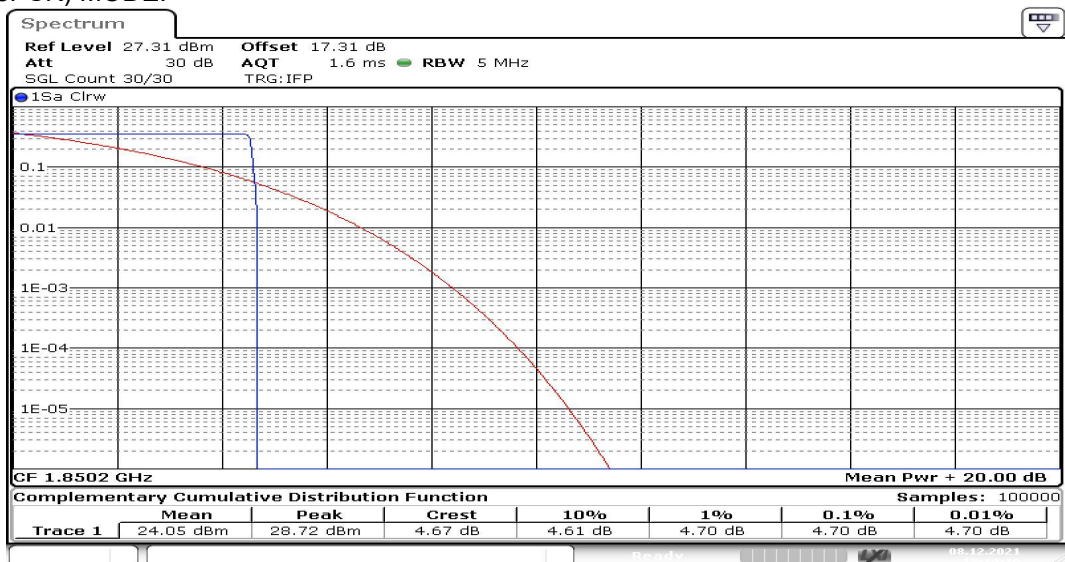
Channel 661



Date: 8.DEC.2021 15:00:34

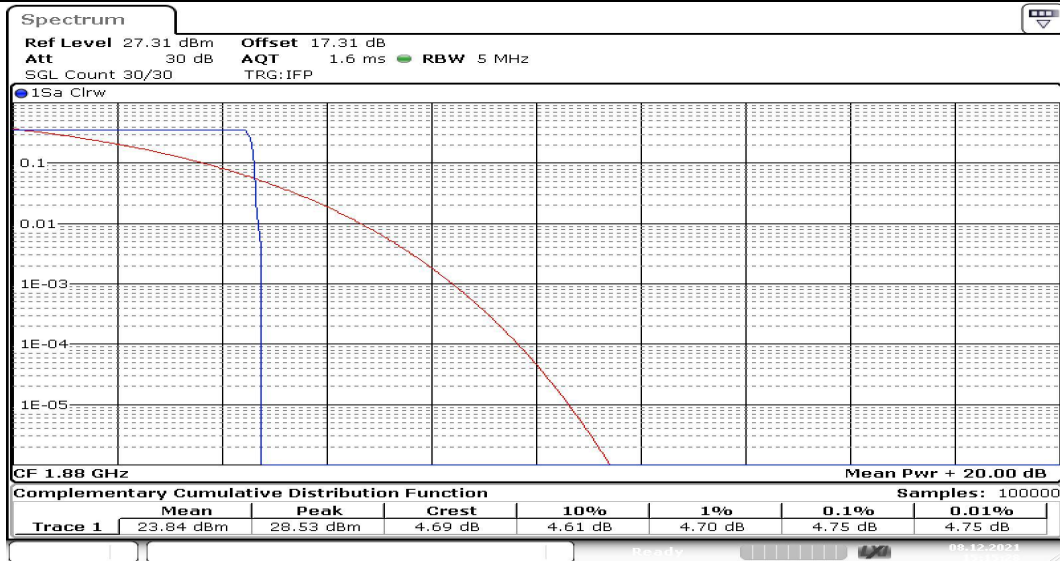
Channel 810

EGPRS (8PSK) MODE:



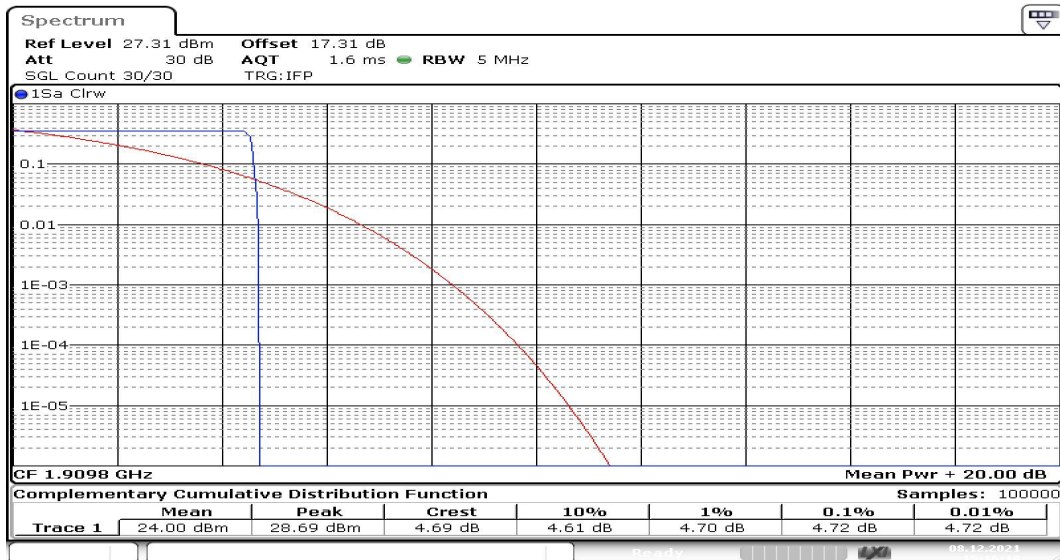
Date: 8.DEC.2021 15:14:20

Channel 512



Date: 8.DEC.2021 15:15:28

Channel 661



Date: 8.DEC.2021 15:16:18

Channel 810

8. Effective Radiated Power and Effective Isotropic Radiated Power PCS1900

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	4Down1Up	29.29	31.99	1.581
1880	661		29.07	31.77	1.503
1909.8	810		29.20	31.90	1.549
1850.2	512	3Down2Up	29.14	31.84	1.528
1880	661		28.92	31.62	1.452
1909.8	810		29.01	31.71	1.483

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	4Down1Up	29.27	31.97	1.574
1880	661		29.05	31.75	1.496
1909.8	810		29.20	31.90	1.549
1850.2	512	3Down2Up	29.21	31.91	1.552
1880	661		29.00	31.70	1.479
1909.8	810		29.13	31.83	1.524

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
1647.55	-52.64	-13	Vertical
1664.43	-52.01	-13	Vertical
2532.74	-43.27	-13	Vertical
2575.62	-43.15	-13	Vertical
8965.88	-40.19	-13	Vertical
9970.42	-36.04	-13	Vertical

EDGE (8PSK) MODE Channel 128:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.05	-52.67	-13	Vertical
1666.10	-51.26	-13	Vertical
2532.26	-43.82	-13	Vertical
2576.52	-42.96	-13	Horizontal
8963.84	-39.24	-13	Vertical
9971.07	-35.25	-13	Vertical

GSM/GPRS MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.73	-52.29	-13	Vertical
1666.25	-51.77	-13	Vertical
2535.81	-43.71	-13	Horizontal
2575.28	-42.77	-13	Vertical
8965.17	-39.83	-13	Vertical
9969.83	-35.36	-13	Vertical

EDGE (8PSK) MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.99	-52.42	-13	Vertical
1667.32	-51.81	-13	Vertical
2534.71	-43.56	-13	Vertical
2576.74	-43.50	-13	Vertical
8963.50	-39.64	-13	Horizontal
9967.92	-35.47	-13	Vertical

GSM/GPRS MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.81	-52.83	-13	Vertical
1666.27	-51.87	-13	Vertical
2535.40	-43.96	-13	Vertical
2574.92	-43.22	-13	Horizontal
8962.70	-39.58	-13	Vertical
9968.98	-35.63	-13	Vertical

EDGE (8PSK) MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.47	-52.11	-13	Vertical
1665.92	-51.65	-13	Horizontal
2534.94	-43.87	-13	Vertical
2577.49	-42.70	-13	Vertical
8962.19	-40.12	-13	Vertical
9967.85	-36.13	-13	Vertical

1900 Test result:

GSM/GPRS MODE Channel 512

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.43	-52.93	-13	Vertical
2779.84	-51.91	-13	Vertical
3730.88	-43.57	-13	Vertical
6678.98	-42.95	-13	Vertical
9963.04	-39.39	-13	Vertical
17824.38	-35.98	-13	Vertical

EDGE (8PSK) MODE Channel 512:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2455.67	-52.38	-13	Vertical
2779.88	-51.64	-13	Vertical
3729.23	-44.29	-13	Vertical
6679.96	-43.49	-13	Horizontal
9962.95	-39.66	-13	Vertical
17824.33	-35.95	-13	Vertical

GSM/GPRS MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.10	-52.53	-13	Vertical
2778.18	-51.50	-13	Vertical
3727.87	-43.80	-13	Vertical
6676.30	-43.52	-13	Vertical
9964.79	-39.87	-13	Horizontal
17821.17	-35.56	-13	Vertical

EDGE (8PSK) MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2453.20	-52.34	-13	Vertical
2781.47	-51.50	-13	Vertical
3728.68	-44.18	-13	Horizontal
6678.31	-43.52	-13	Vertical
9961.52	-39.71	-13	Vertical
17822.06	-35.58	-13	Vertical

GSM/GPRS MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2455.27	-52.30	-13	Vertical
2781.34	-52.00	-13	Vertical
3727.98	-43.56	-13	Horizontal

6678.24	-43.23	-13	Horizontal
9965.06	-40.09	-13	Vertical
17821.39	-35.30	-13	Vertical

EDGE (8PSK) MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2452.92	-52.73	-13	Vertical
2779.82	-51.90	-13	Vertical
3727.30	-43.45	-13	Vertical
6677.08	-43.04	-13	Vertical
9961.28	-39.59	-13	Horizontal
17820.63	-35.68	-13	Vertical

---End of Test Report---