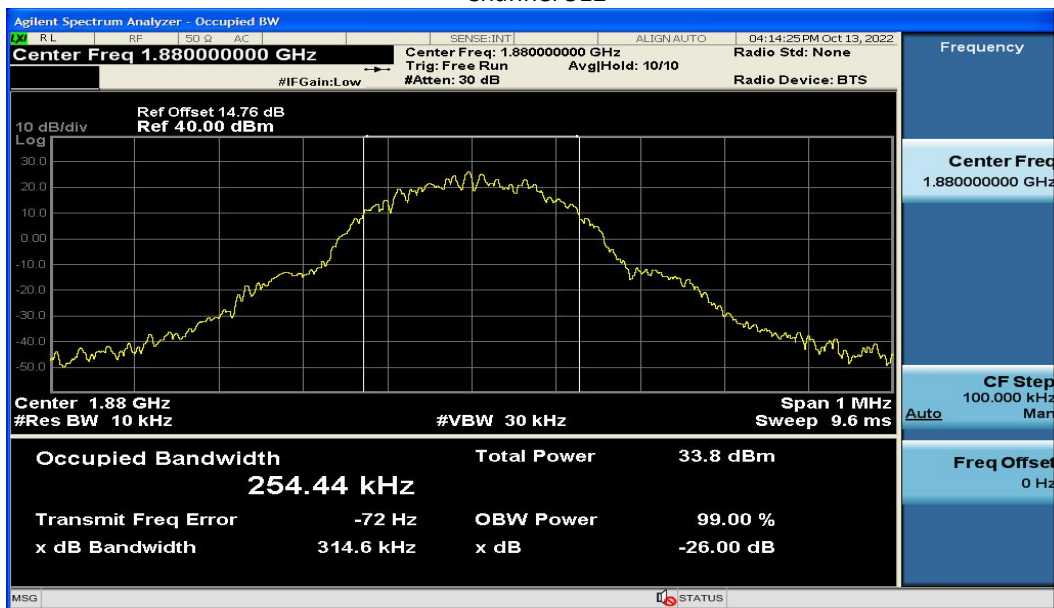


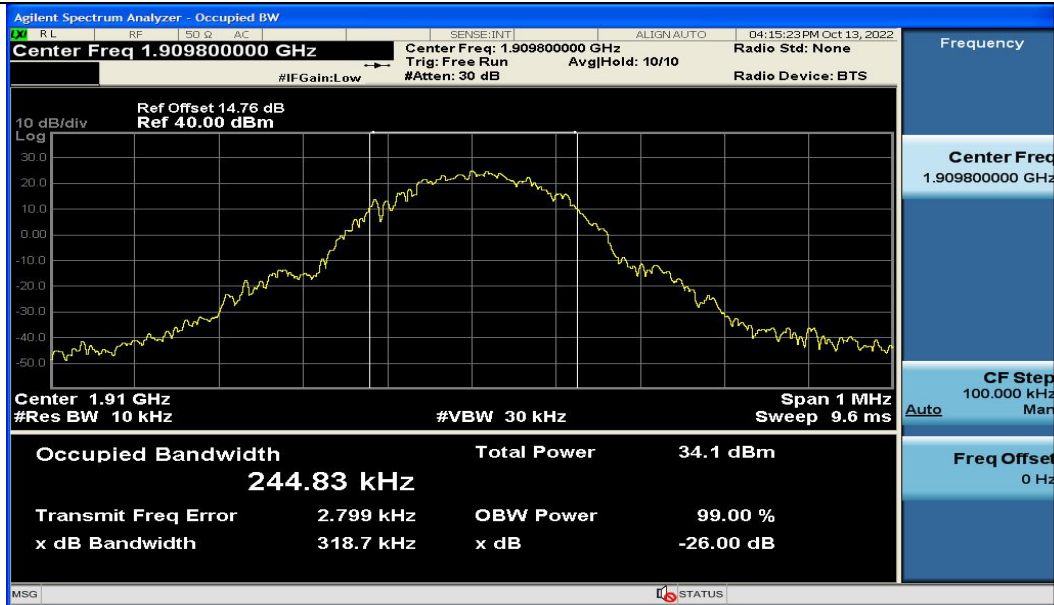
PCS1900  
GSM MODE:



Channel 512

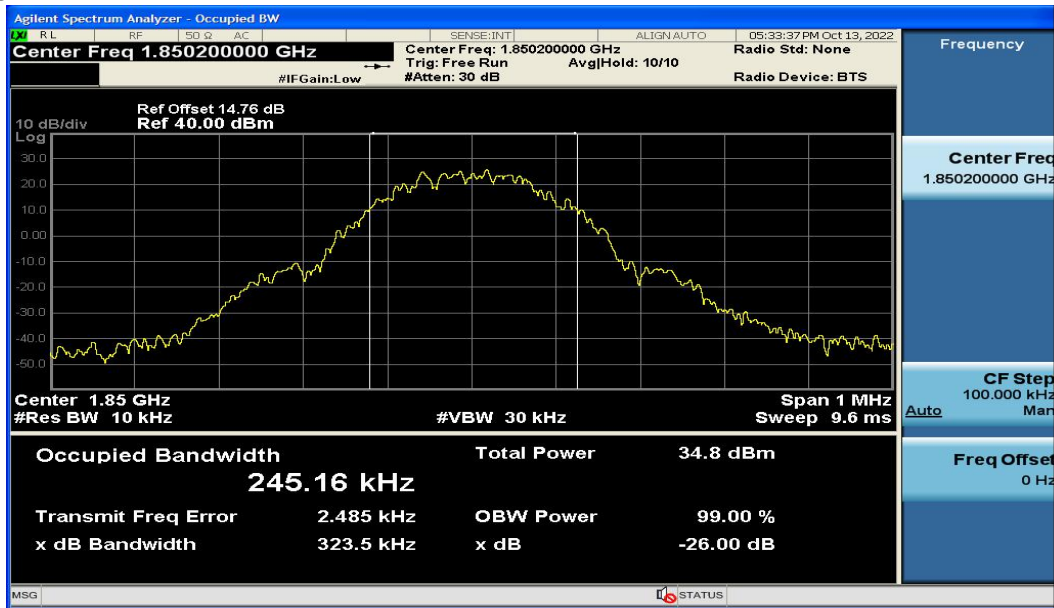


Channel 661

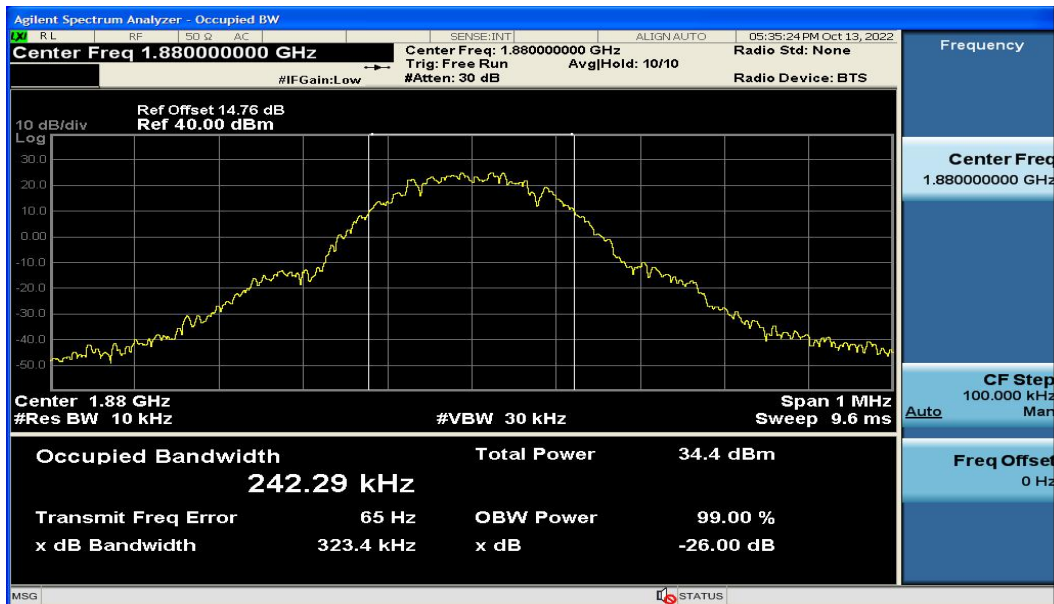


Channel 810

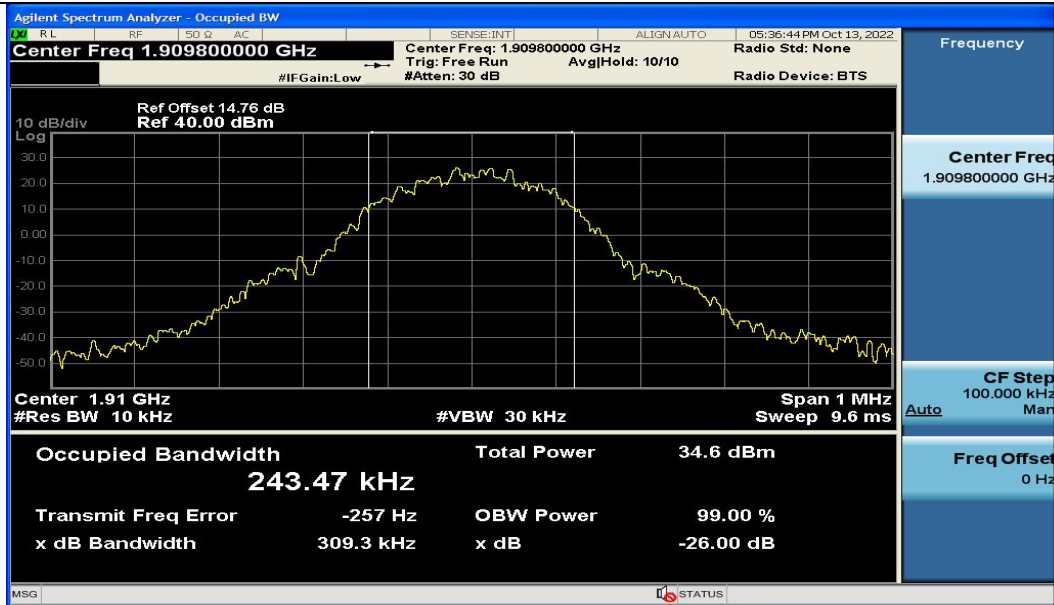
GPRS MODE:



Channel 512



Channel 661

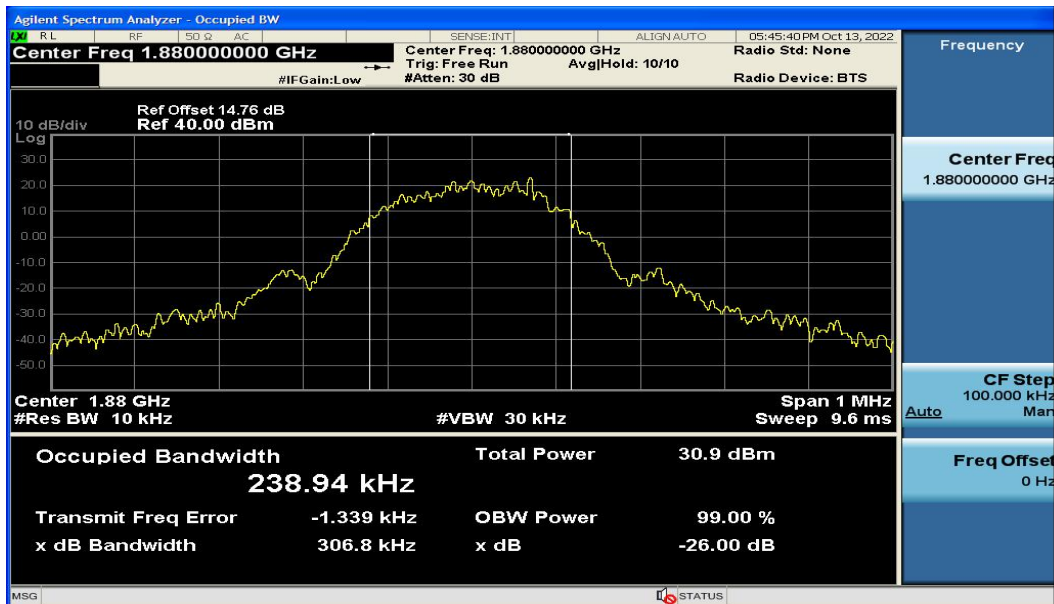


Channel 810

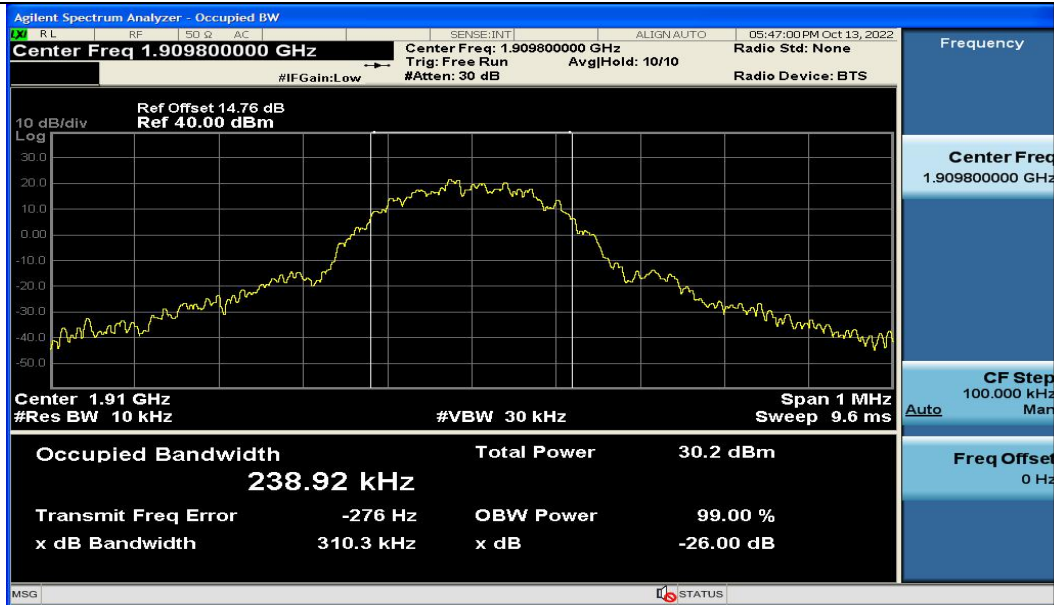
EGPRS (8PSK) MODE:



Channel 512



Channel 661

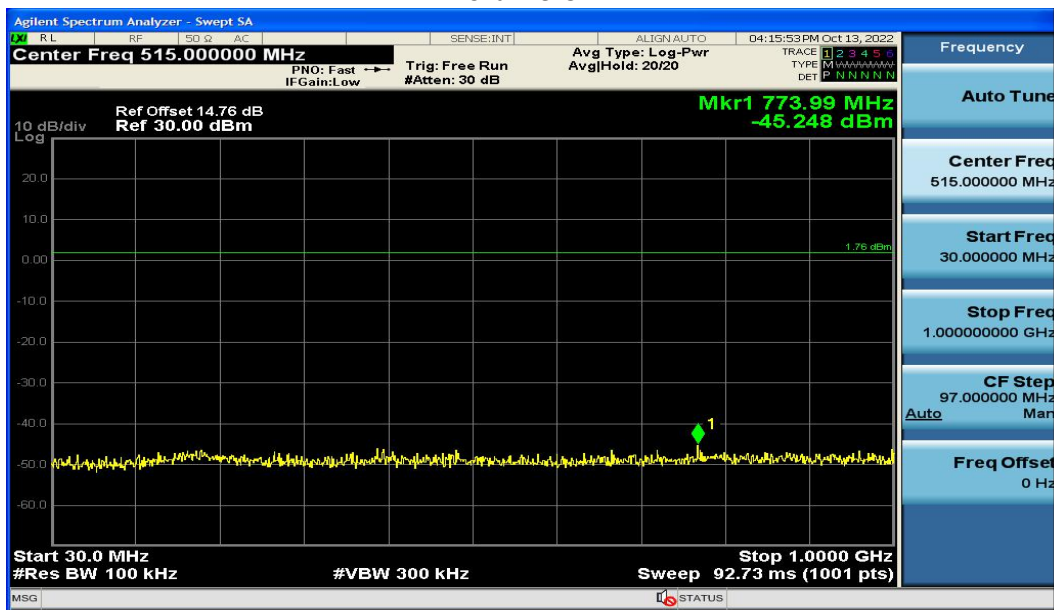


Channel 810

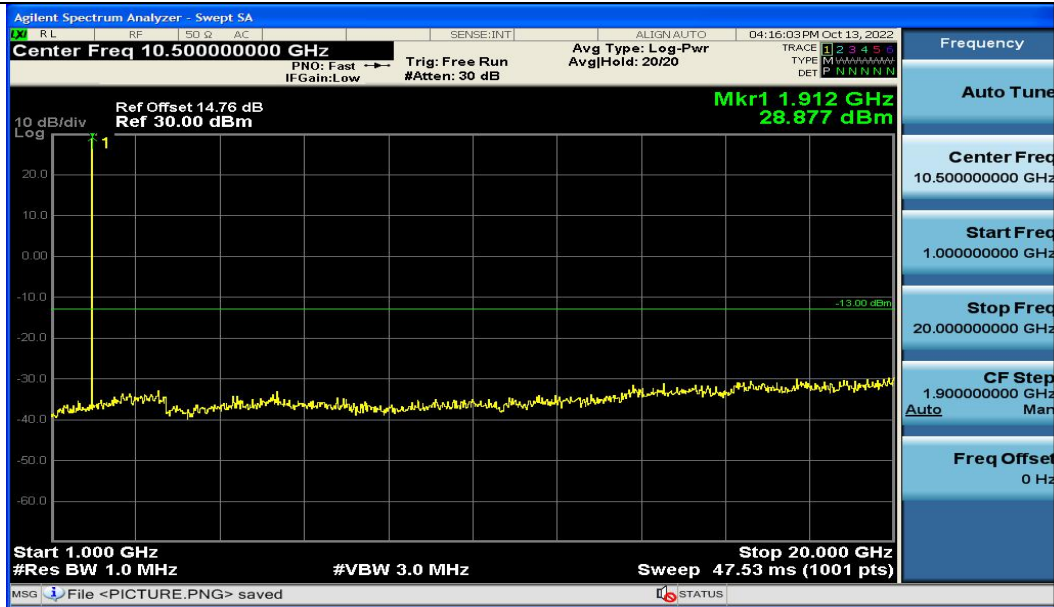
**4. Spurious Emissions at antenna terminal**  
**PCS1900**  
**GSM MODE:**



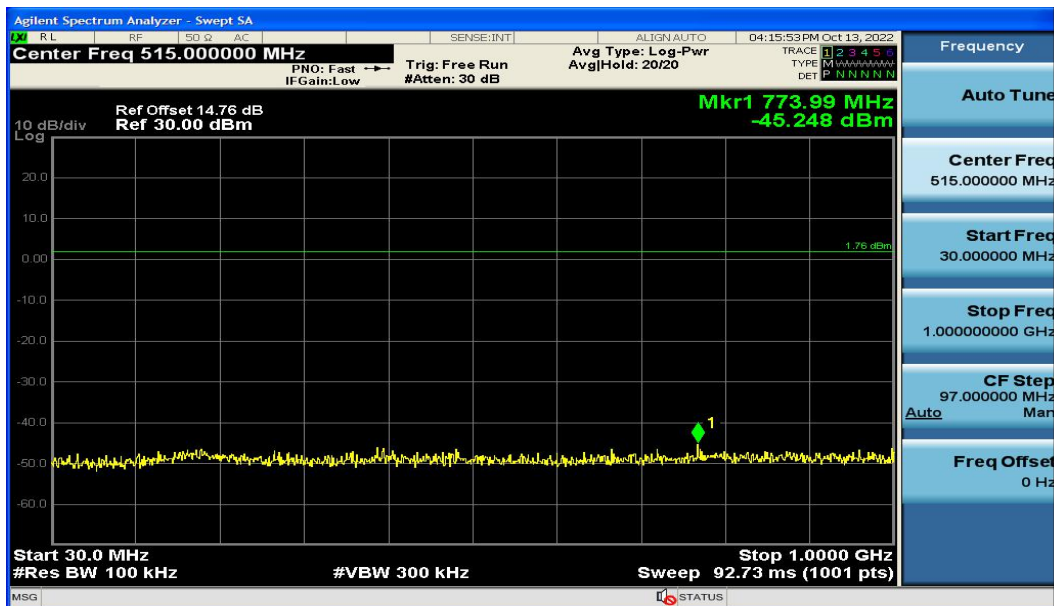
Channel 512



Channel 512

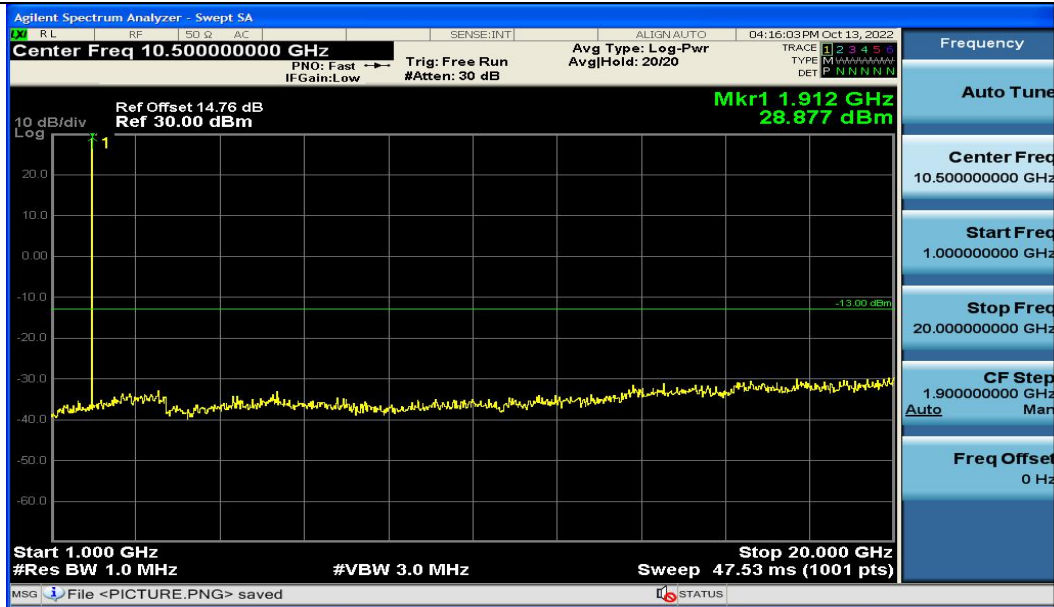


Channel 661

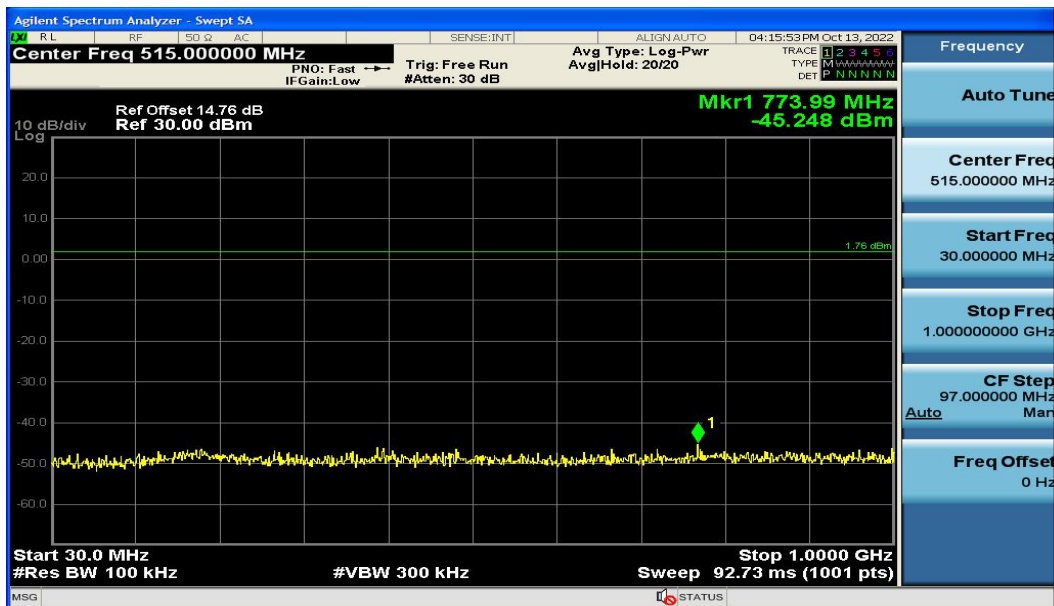


Channel 661





Channel 810

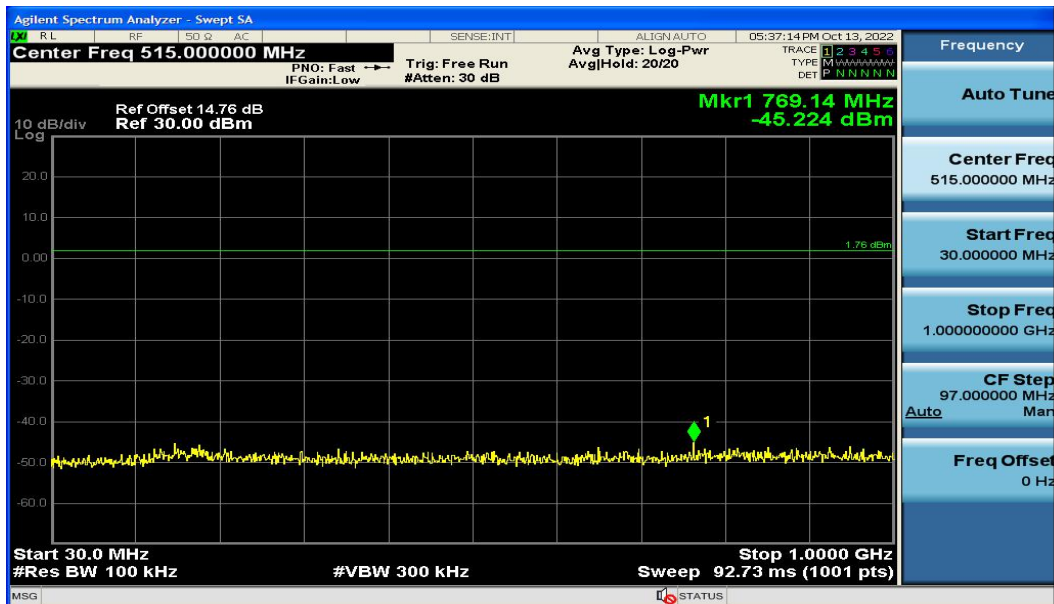


Channel 810

GPRS MODE:



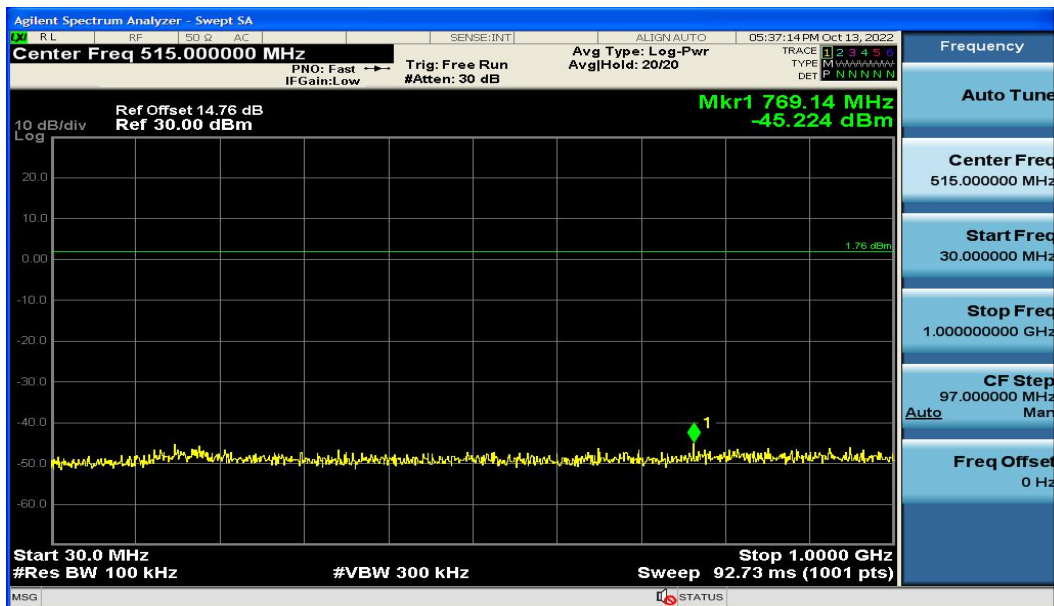
Channel 512



Channel 512



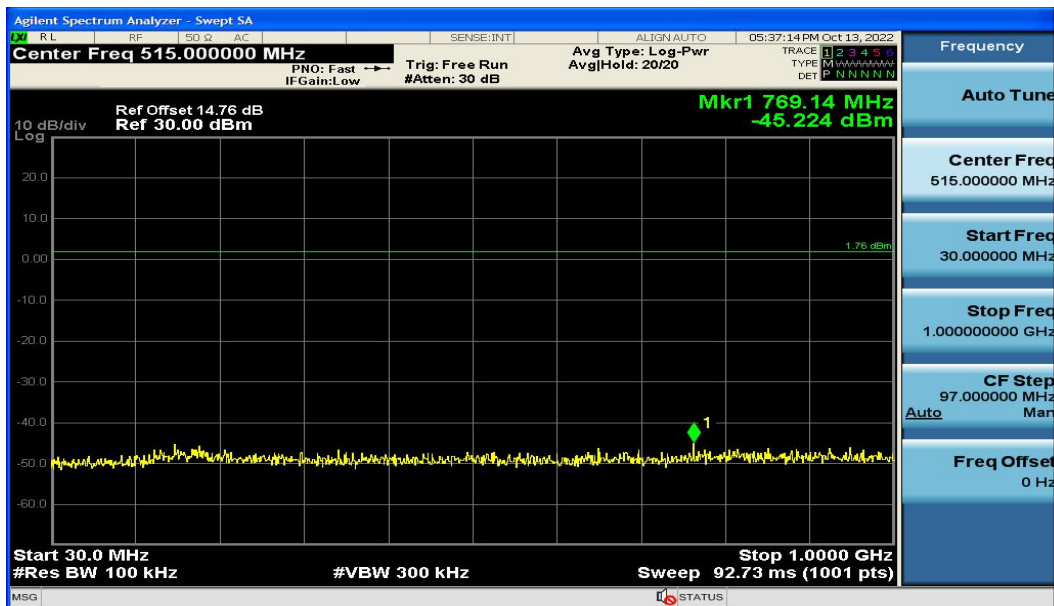
Channel 661



Channel 661



Channel 810

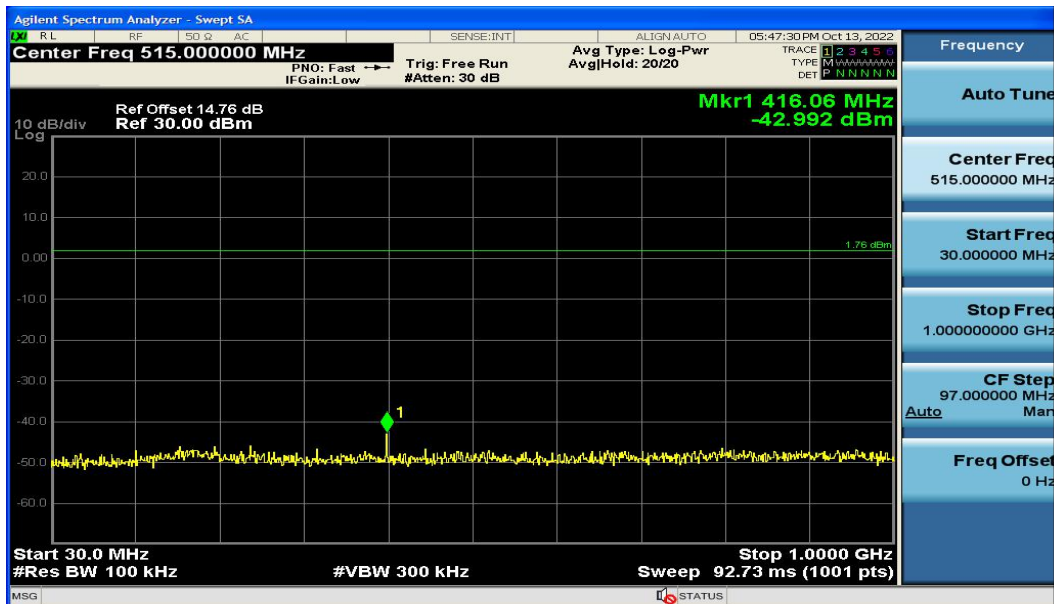


Channel 810

EGPRS (8PSK) MODE:



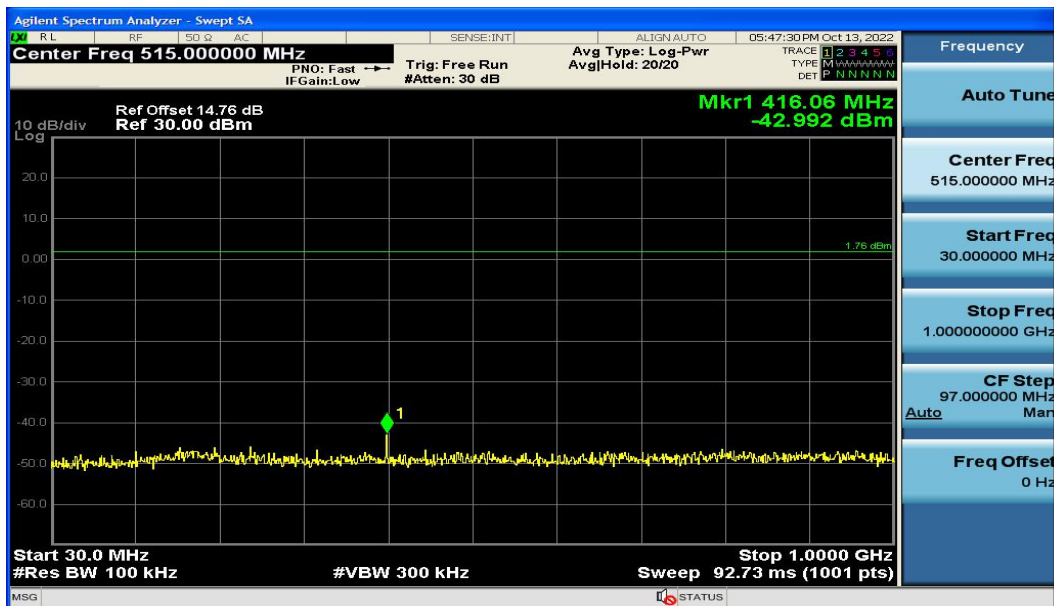
Channel 512



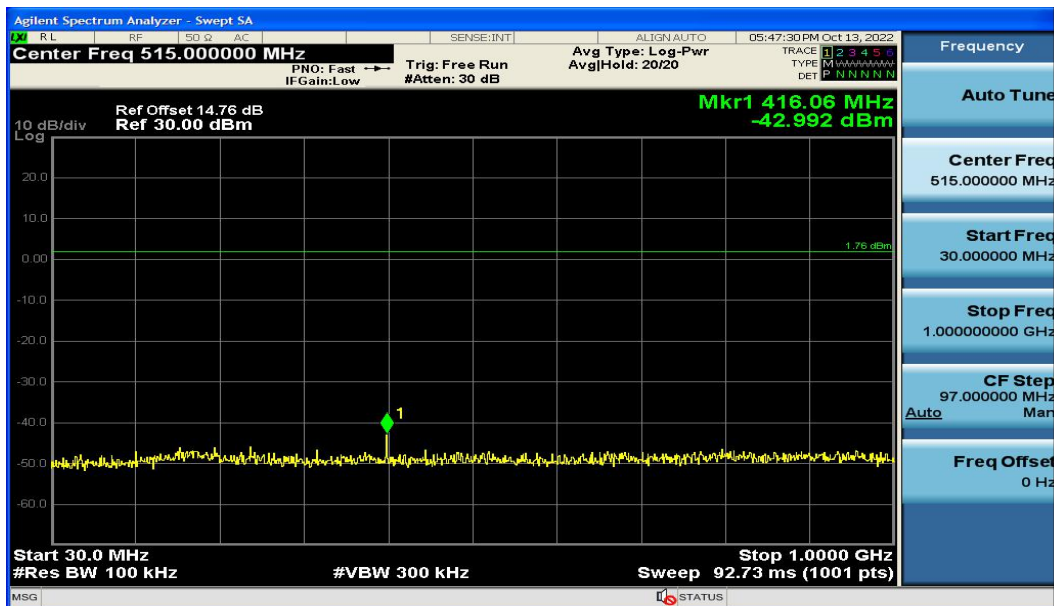
Channel 512



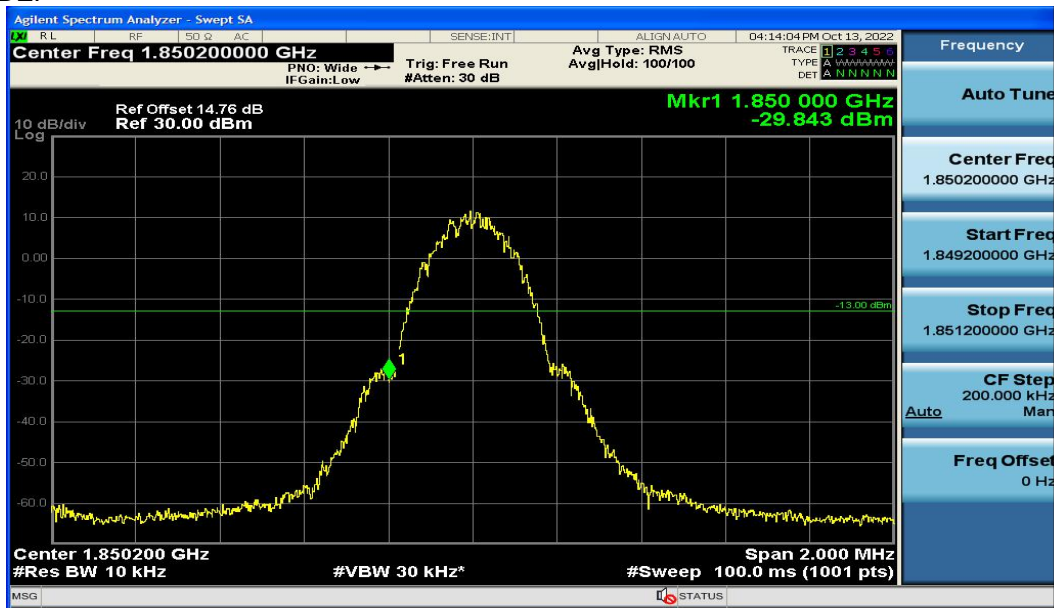
Channel 661



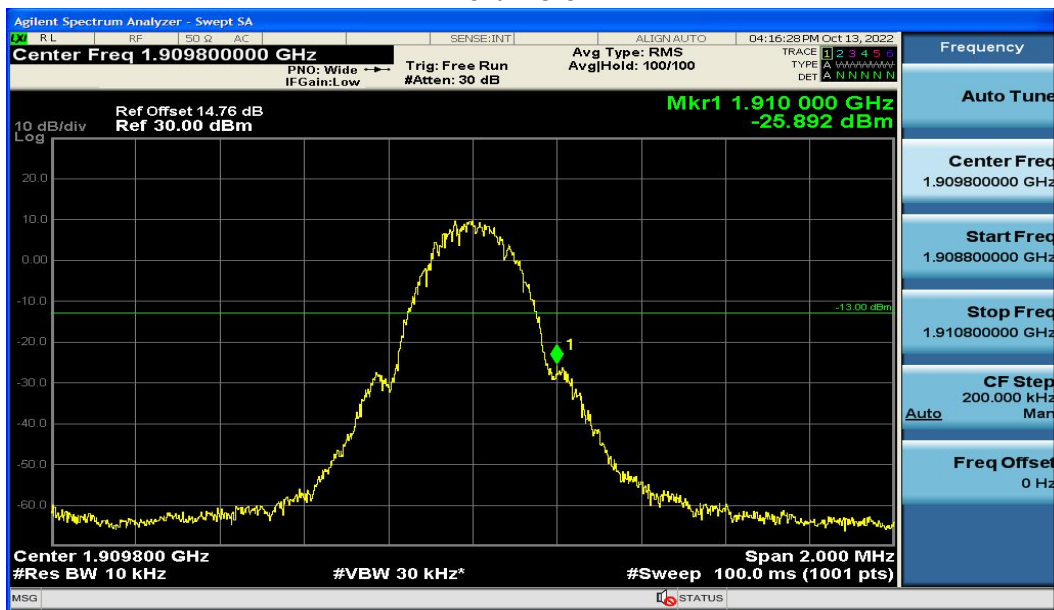
Channel 661



**5. Band Edges Compliance**  
**PCS1900**  
**GSM MODE:**



Channel 512



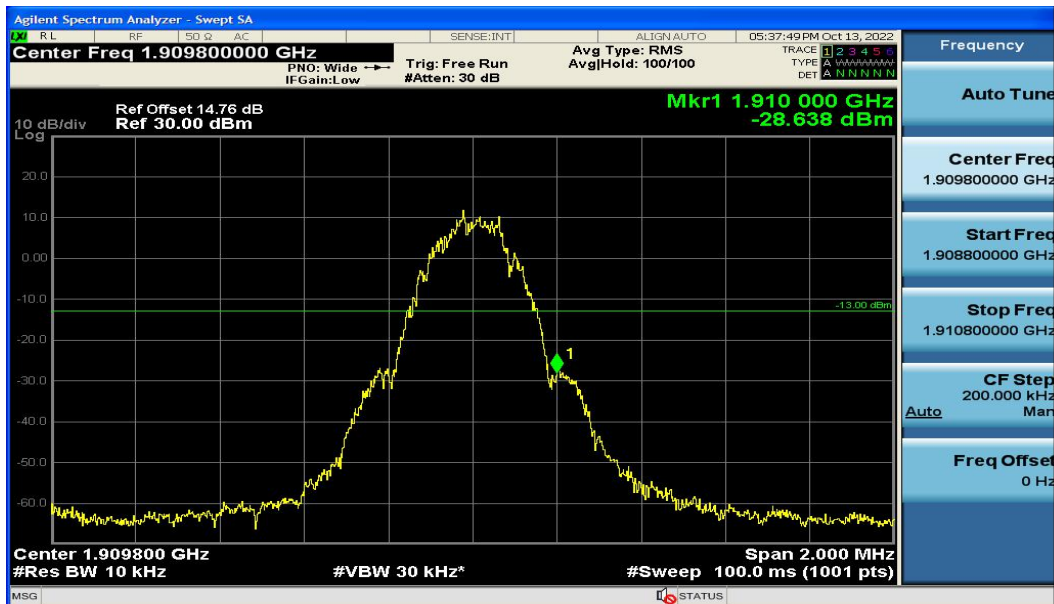
Channel 810



GPRS MODE:



Channel 512

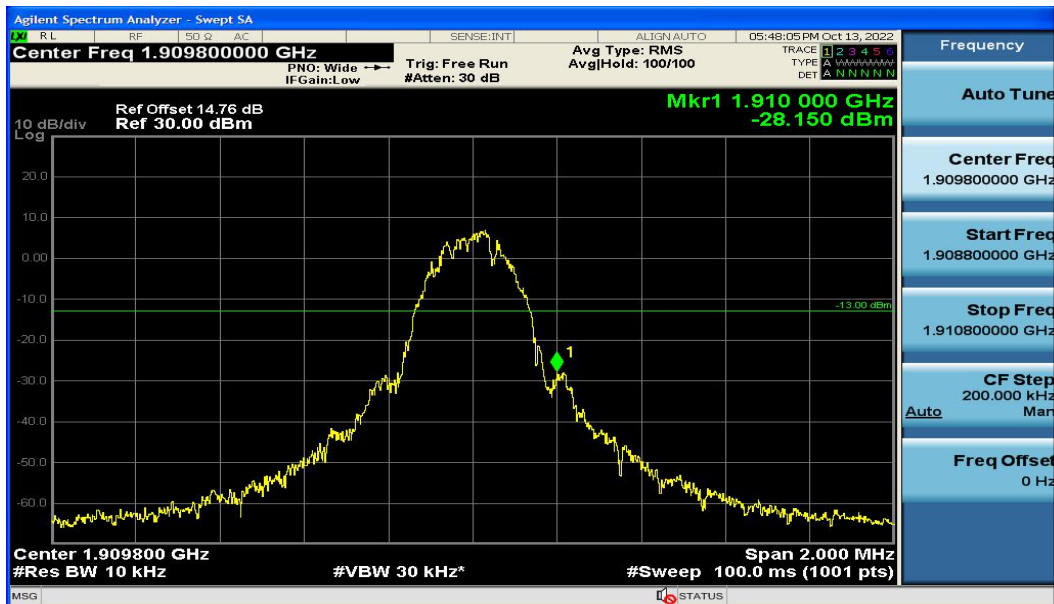


Channel 810

EGPRS (8PSK) MODE:



Channel 512



Channel 810

## 6. Frequency Stability

### PCS1900

GSM MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-20	-0.003	0.001	0.001
-10	-0.002	0.000	0.002
0	0.004	-0.001	0.000
+10	0.001	0.001	0.000
+20	0.000	0.003	0.000
+30	0.003	0.003	-0.001
+40	0.000	-0.001	0.000
+50	0.000	0.005	-0.001
+60	-0.001	0.002	0.004
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	-0.004	-0.002	-0.002
HV	0.001	-0.002	-0.001

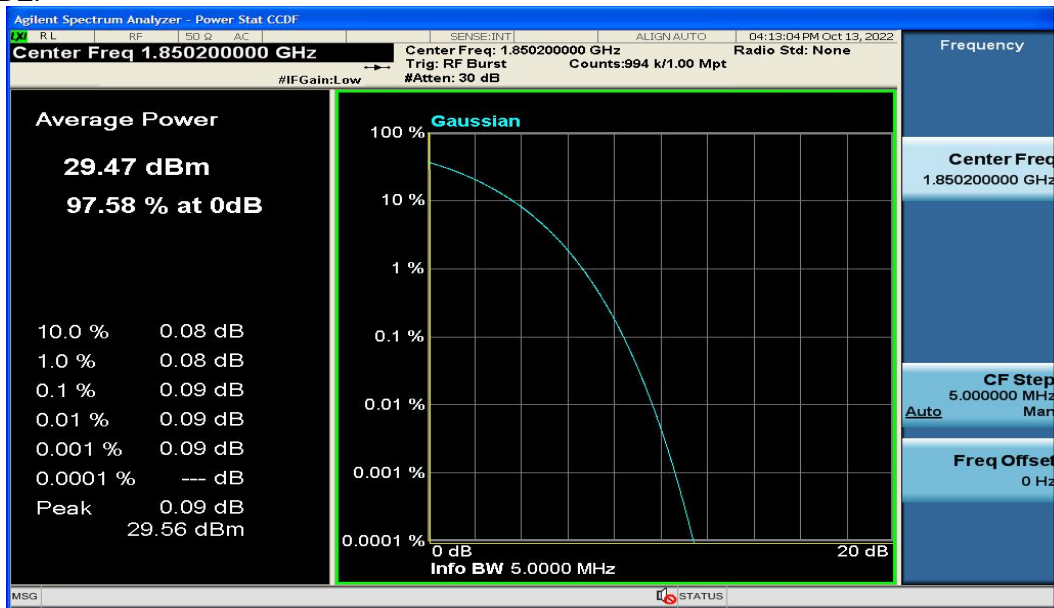
GPRS MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-20	0.001	-0.001	0.002
-10	0.000	-0.001	0.003
0	-0.001	0.003	0.005
+10	-0.002	0.002	0.003
+20	0.000	0.001	0.000
+30	0.000	0.002	0.001
+40	0.000	0.000	0.000
+50	0.001	0.001	0.001
+60	-0.001	0.003	0.000
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	-0.001	0.001	0.001
HV	0.004	0.002	-0.001

EGPRS (8PSK) MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-20	0.002	-0.001	0.001
-10	-0.001	-0.004	-0.002
-0	-0.001	-0.005	-0.001
+10	0.001	-0.002	0.001
+20	0.002	0.003	-0.004
+30	0.006	0.008	0.000
+40	0.007	-0.005	-0.003
+50	0.002	0.008	-0.003
+60	-0.001	0.008	0.003
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	0.001	0.001	0.004
HV	0.002	0.002	0.005

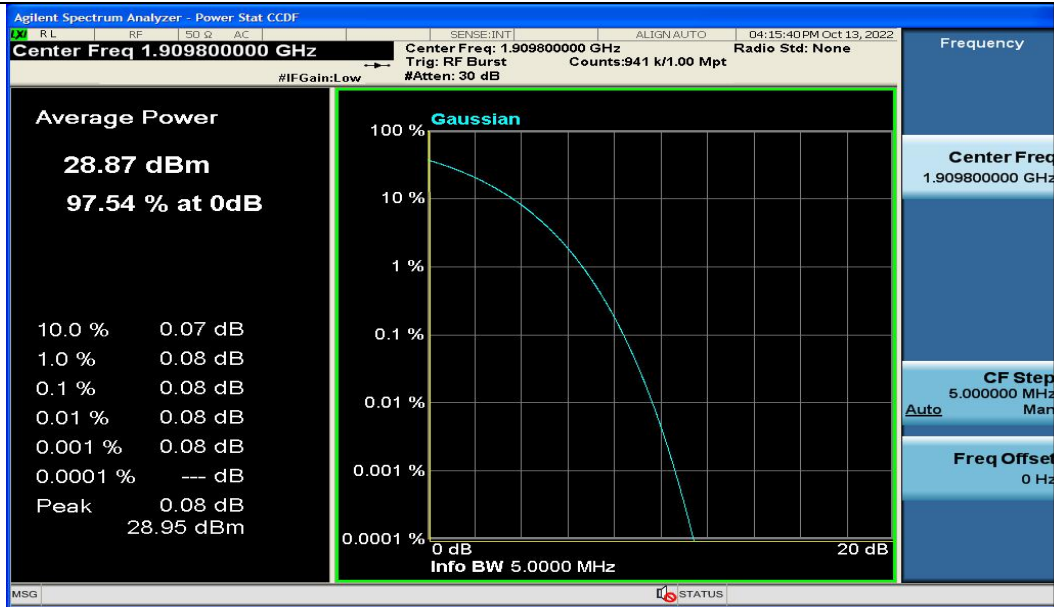
**7. Peak-Average Ratio**  
**PCS1900**  
**GSM MODE:**



Channel 512

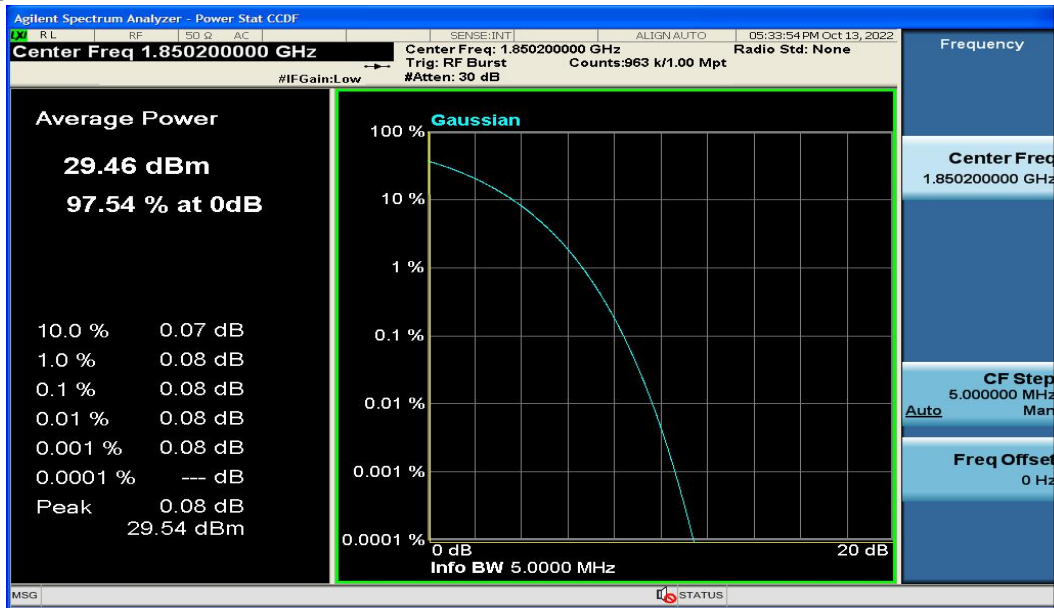


Channel 661

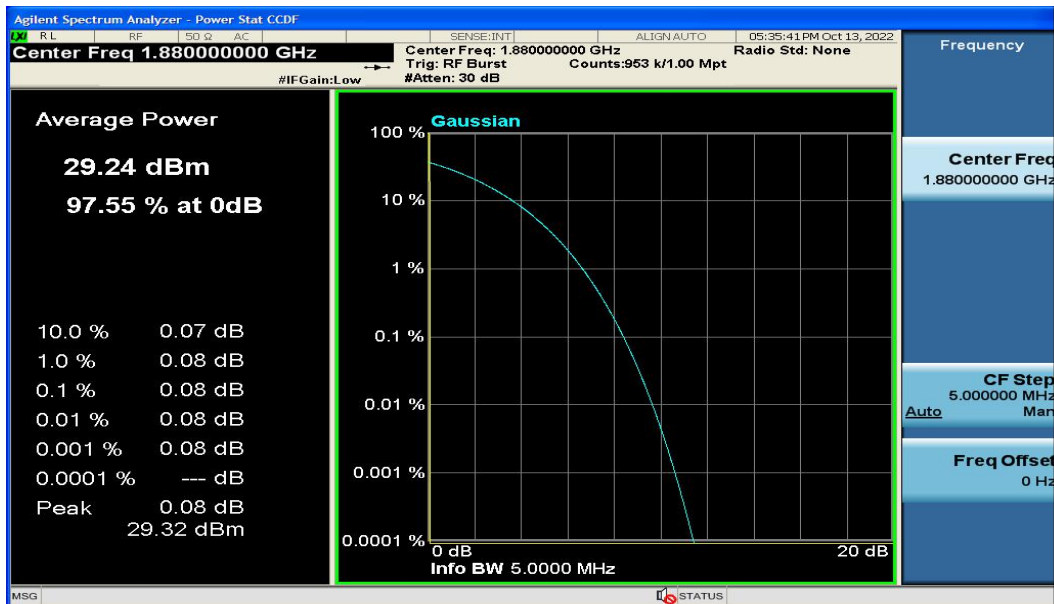


Channel 810

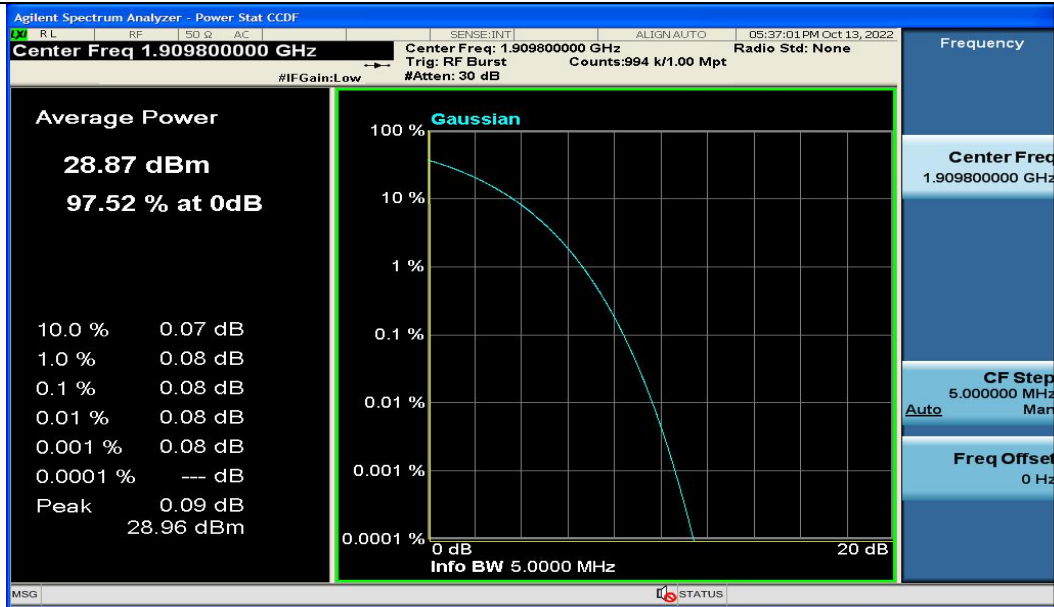
GPRS MODE:



Channel 512



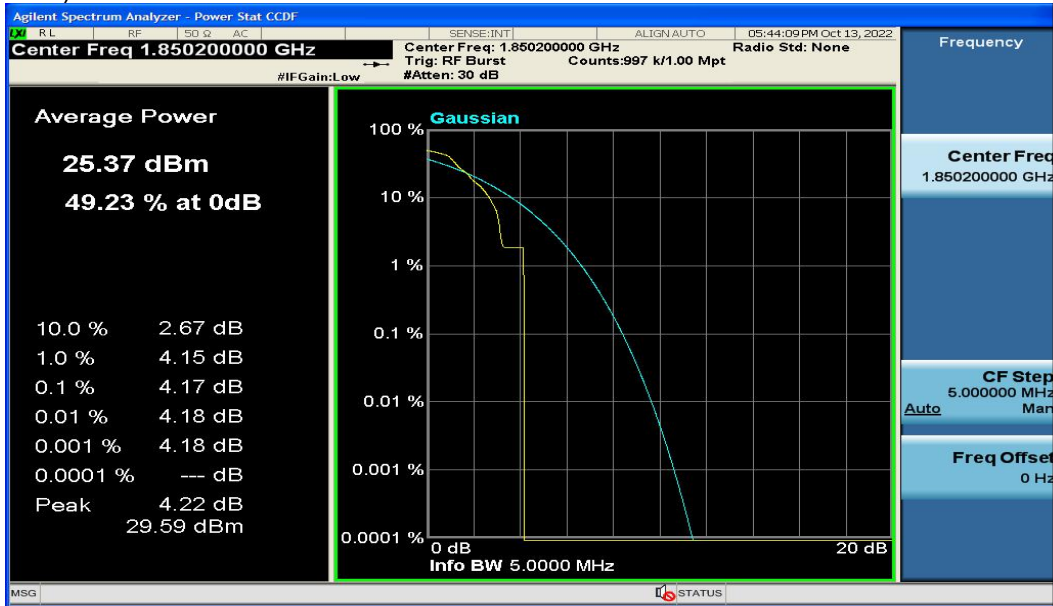
Channel 661



Channel 810



EGPRS (8PSK) MODE:



Channel 512



Channel 661



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	29.69	30.58	1.143
1880	661	29.45	30.34	1.081
1909.8	810	29.39	30.28	1.067

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	4Down1Up	29.54	30.43	1.104
1880	661	4Down1Up	29.32	30.21	1.050
1909.8	810	4Down1Up	29.24	30.13	1.030
1850.2	512	3Down2Up	27.48	28.37	0.687
1880	661	3Down2Up	27.16	28.05	0.638
1909.8	810	3Down2Up	26.80	27.69	0.587
1850.2	512	2Down3Up	25.94	26.83	0.482
1880	661	2Down3Up	25.62	26.51	0.448
1909.8	810	2Down3Up	25.29	26.18	0.415
1850.2	512	1Down4Up	23.95	24.84	0.305
1880	661	1Down4Up	23.67	24.56	0.286
1909.8	810	1Down4Up	23.33	24.22	0.264

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	4Down1Up	25.46	26.35	0.432
1880	661	4Down1Up	25.35	26.24	0.421
1909.8	810	4Down1Up	25.25	26.14	0.411
1850.2	512	3Down2Up	23.75	24.64	0.291
1880	661	3Down2Up	23.44	24.33	0.271
1909.8	810	3Down2Up	24.31	25.20	0.331
1850.2	512	2Down3Up	22.09	22.98	0.199
1880	661	2Down3Up	22.15	23.04	0.201
1909.8	810	2Down3Up	22.14	23.03	0.201
1850.2	512	1Down4Up	20.02	20.91	0.123
1880	661	1Down4Up	20.67	21.56	0.143
1909.8	810	1Down4Up	19.93	20.82	0.121

## **APPENDIX B – TEST DATA OF RADIATED EMISSION**

### **Radiated Spurious Emissions**

Note: The worst channel results are reflected in the report.

#### **850 Test result:**

Test result:

GSM/GPRS MODE Channel 128:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.89	-52.60	-13	Vertical
1667.66	-51.27	-13	Vertical
2535.34	-44.08	-13	Vertical
2576.83	-44.58	-13	Vertical
8963.52	-39.49	-13	Vertical
9970.78	-36.27	-13	Vertical

EDGE (8PSK) MODE Channel 128:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.16	-52.76	-13	Vertical
1666.67	-51.64	-13	Vertical
2534.61	-43.90	-13	Vertical
2576.86	-44.07	-13	Vertical
8963.75	-39.83	-13	Vertical
9969.81	-36.01	-13	Vertical

GSM/GPRS MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.83	-52.59	-13	Vertical
1668.50	-51.19	-13	Vertical
2536.08	-43.97	-13	Vertical
2578.00	-44.02	-13	Vertical
8963.05	-39.20	-13	Vertical
9970.01	-36.49	-13	Vertical

EDGE (8PSK) MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.18	-53.36	-13	Vertical
1664.86	-50.98	-13	Vertical
2535.25	-44.68	-13	Vertical
2579.19	-43.71	-13	Vertical
8961.22	-39.45	-13	Vertical
9971.08	-36.70	-13	Vertical

GSM/GPRS MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.60	-52.95	-13	Vertical
1668.38	-51.44	-13	Vertical
2535.38	-44.03	-13	Vertical
2578.52	-44.24	-13	Vertical
8964.05	-39.15	-13	Vertical
9971.59	-36.22	-13	Vertical

EDGE (8PSK) MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.34	-53.27	-13	Vertical
1664.85	-51.05	-13	Vertical
2536.01	-43.94	-13	Vertical
2578.13	-44.08	-13	Vertical
8963.20	-39.71	-13	Vertical
9971.34	-36.62	-13	Vertical

**1900 Test result:**

Test result:

GSM/GPRS MODE Channel 512

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.77	-49.00	-13	Vertical
2778.30	-47.44	-13	Vertical
3726.93	-41.05	-13	Vertical
6675.63	-39.74	-13	Vertical
9961.93	-37.11	-13	Vertical
17820.67	-34.33	-13	Vertical

EDGE (8PSK) MODE Channel 512:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.06	-49.12	-13	Vertical
2780.01	-47.10	-13	Vertical
3727.06	-40.96	-13	Vertical
6677.70	-39.45	-13	Vertical
9960.80	-36.88	-13	Vertical
17819.56	-34.03	-13	Vertical

GSM/GPRS MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.33	-49.37	-13	Vertical
2778.66	-47.82	-13	Vertical
3728.19	-40.67	-13	Vertical
6677.40	-39.86	-13	Vertical
9961.68	-37.63	-13	Vertical
17819.71	-34.07	-13	Vertical

EDGE (8PSK) MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.98	-49.31	-13	Vertical
2780.34	-47.63	-13	Vertical
3728.27	-41.05	-13	Vertical
6677.58	-39.97	-13	Vertical
9960.55	-36.82	-13	Vertical
17821.68	-33.63	-13	Vertical

GSM/GPRS MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.75	-49.46	-13	Vertical
2781.21	-47.40	-13	Vertical
3725.09	-41.24	-13	Vertical
6678.12	-39.94	-13	Vertical
9960.22	-36.85	-13	Vertical
17819.89	-33.60	-13	Vertical

EDGE (8PSK) MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.75	-48.92	-13	Vertical
2780.88	-47.68	-13	Vertical
3724.44	-41.34	-13	Vertical
6678.43	-39.35	-13	Vertical
9960.11	-36.79	-13	Vertical
17820.46	-34.04	-13	Vertical

---End of Test Report---