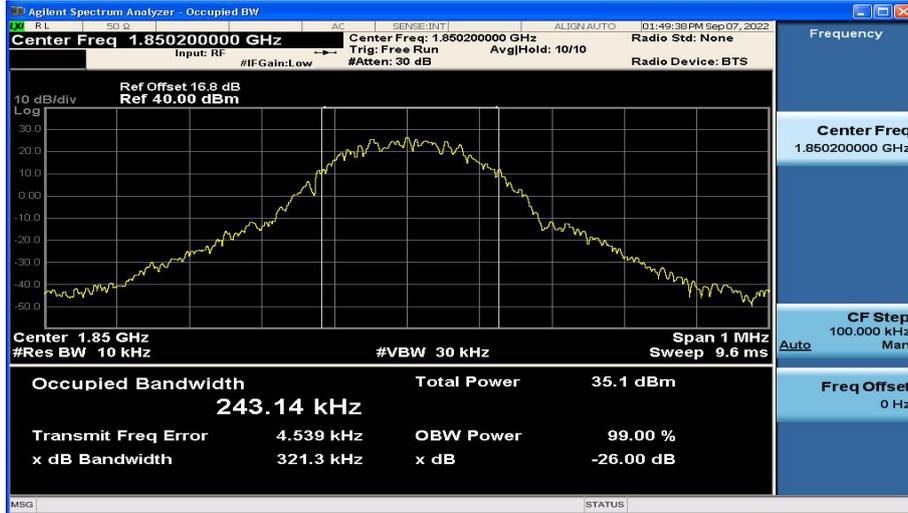


GPRS MODE:



Channel 512

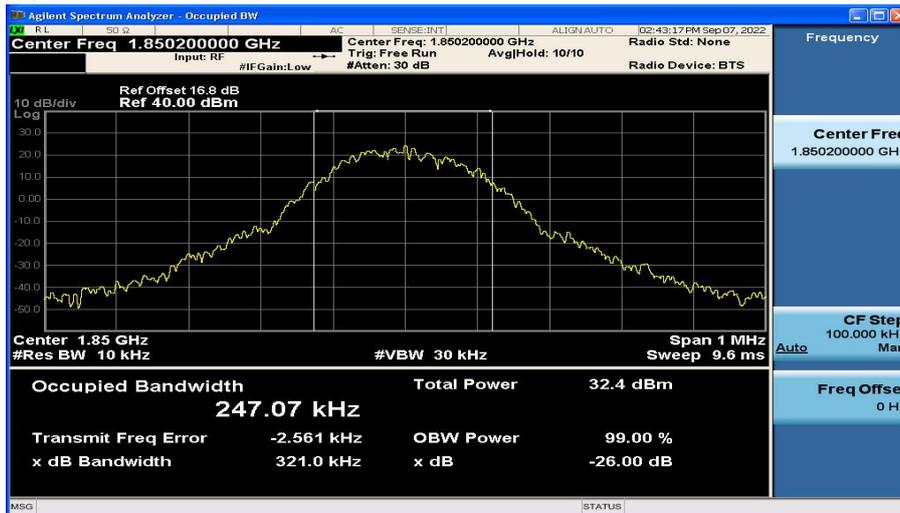


Channel 661



Channel 810

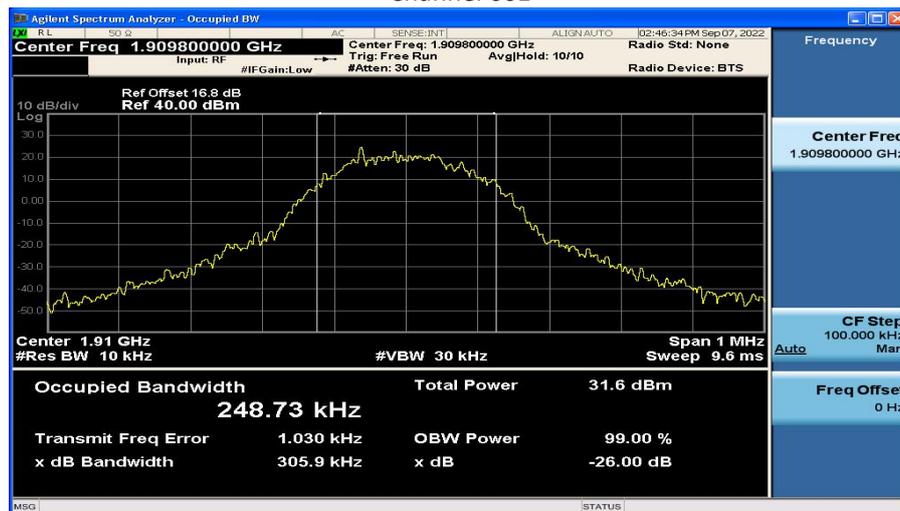
EGPRS (8PSK) MODE:



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

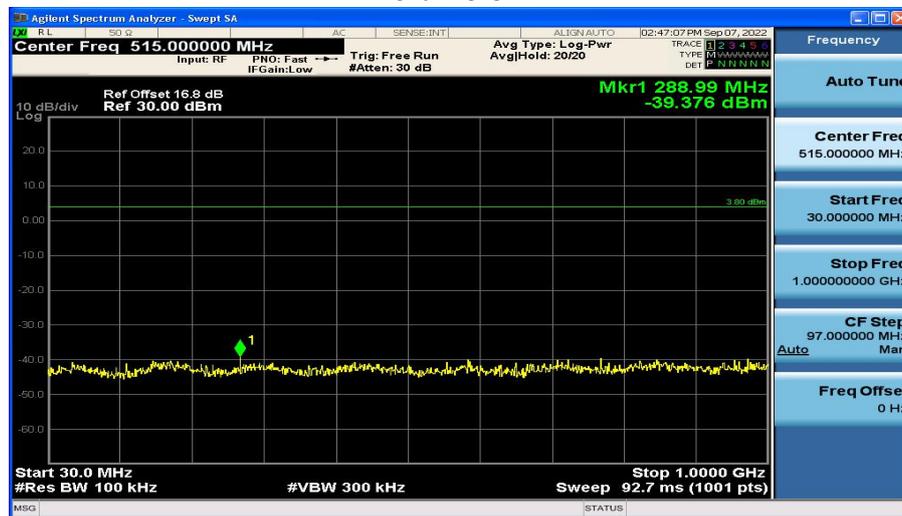


Channel 810

EGPRS (8PSK) MODE:



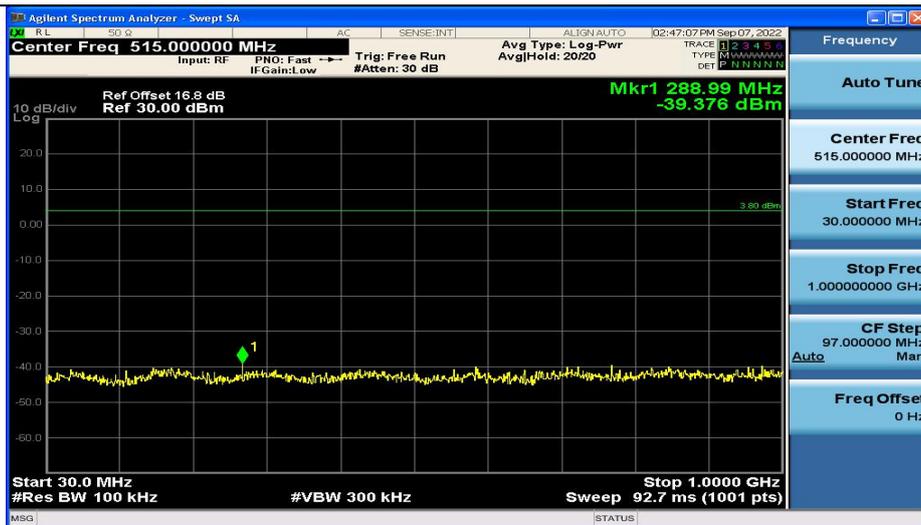
Channel 512



Channel 512



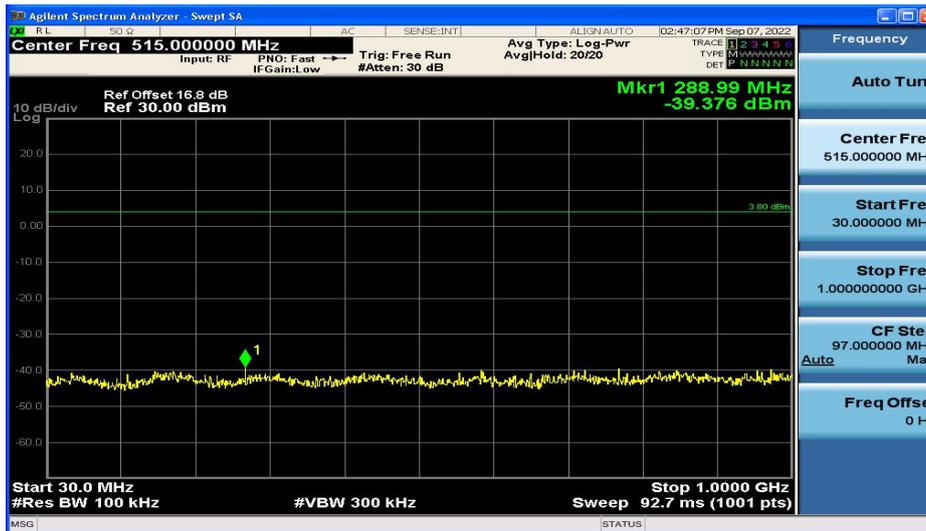
Channel 661



Channel 661

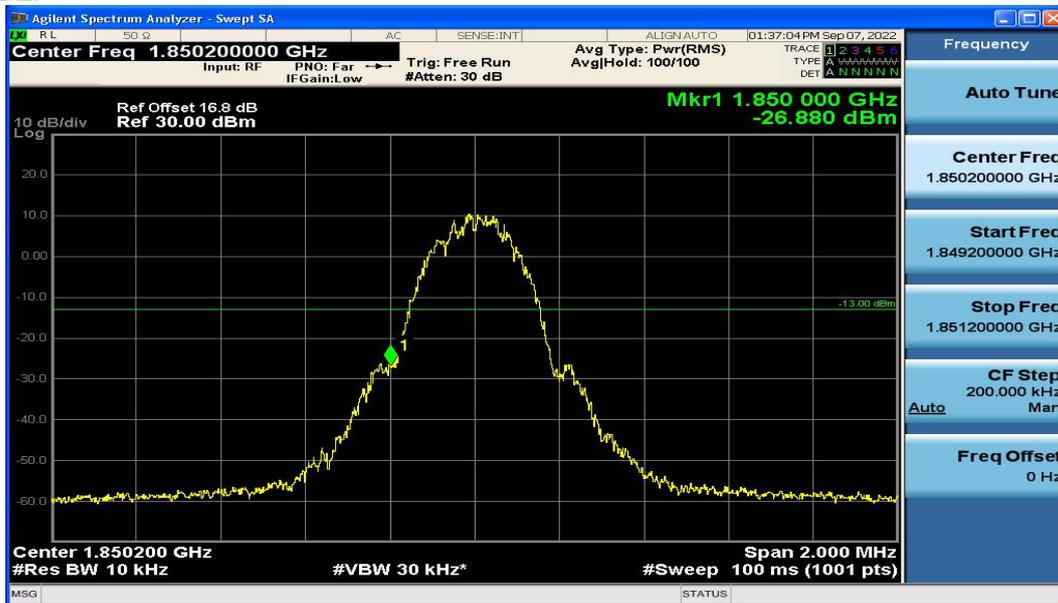


Channel 810

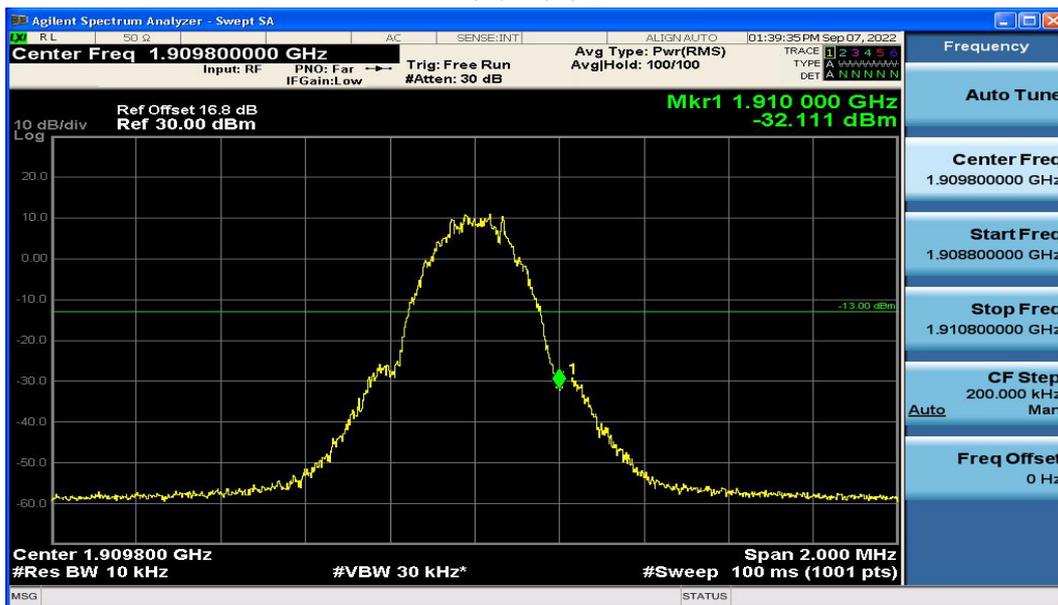


Channel 810

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

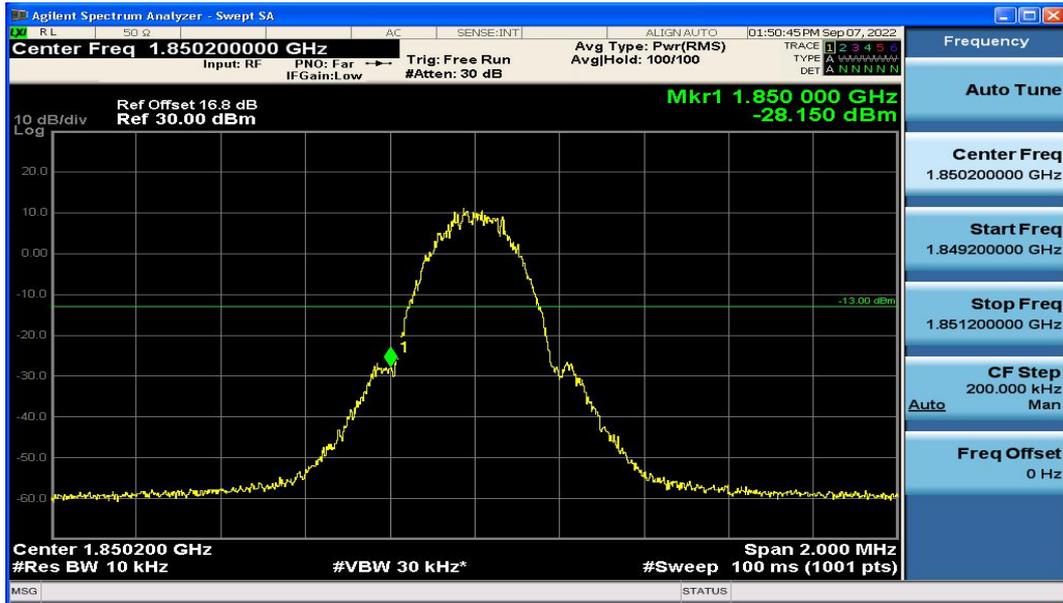


Channel 512

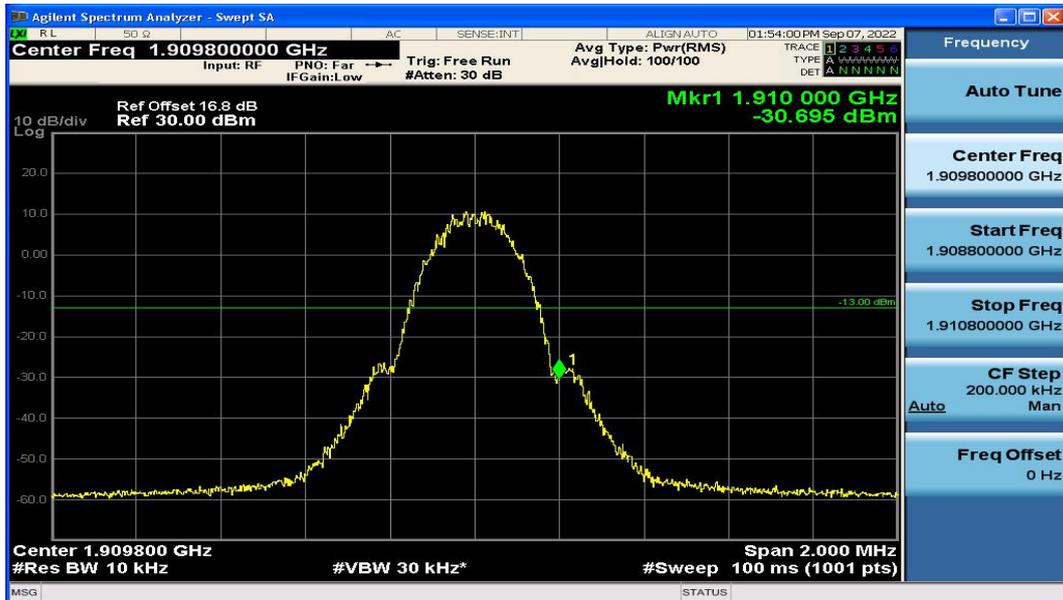


Channel 810

GPRS MODE:



Channel 512

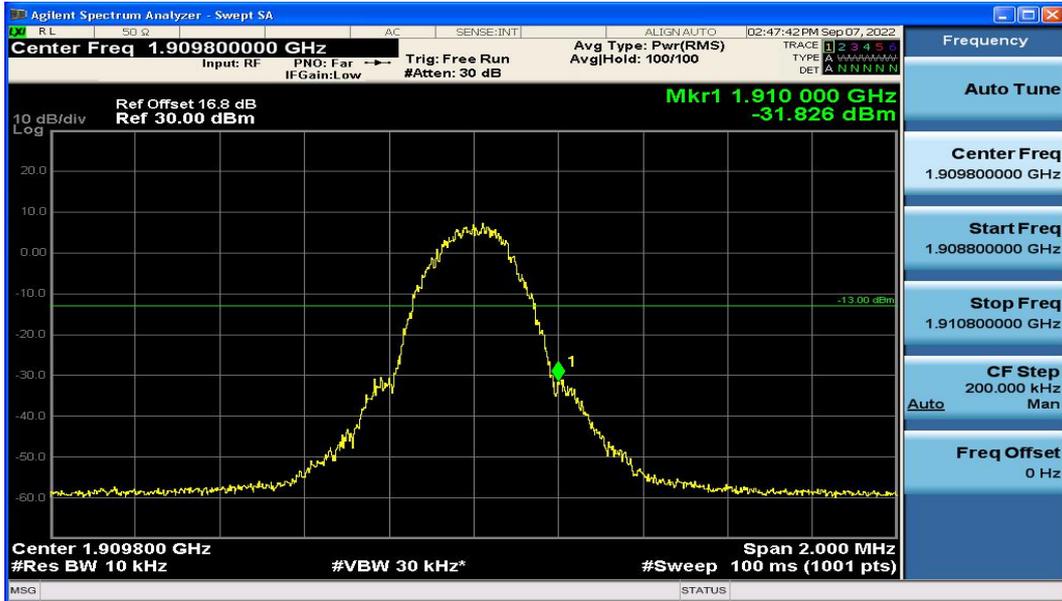


Channel 810

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

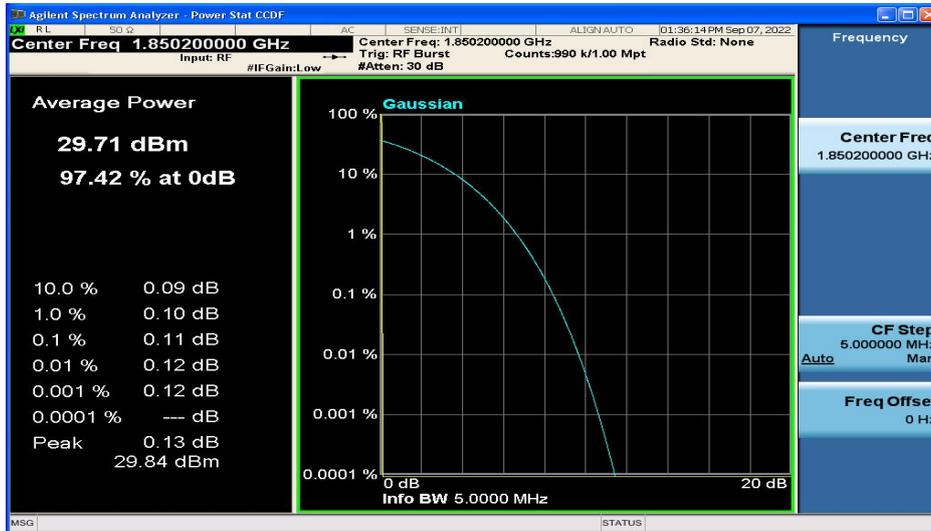
GPRS MODE:

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

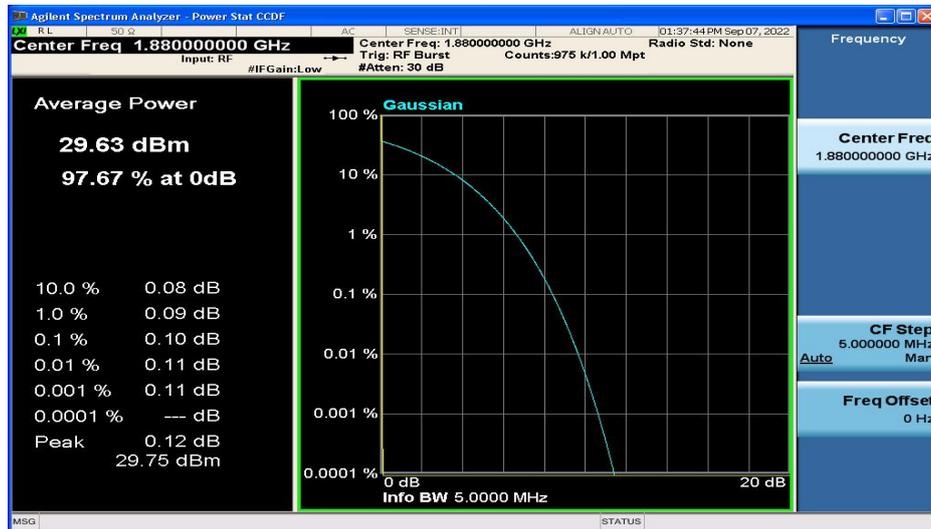
EGPRS (8PSK) MODE:

Temperature(°C)	Test Result (ppm)@NV		
	Channel 512	Channel 661	Channel 810
-10	-0.005	0.006	-0.006
0	-0.005	0.007	-0.008
+10	-0.004	0.003	-0.008
+20	0.000	0.007	-0.009
+30	-0.004	0.005	-0.005
+40	-0.005	0.007	-0.007
+50	-0.007	0.007	-0.002
+55	-0.005	0.004	-0.002
Voltage	Test Result (ppm)@NT		
	Channel 512	Channel 661	Channel 810
LV	-0.003	0.005	0.001
HV	-0.005	0.004	0.001

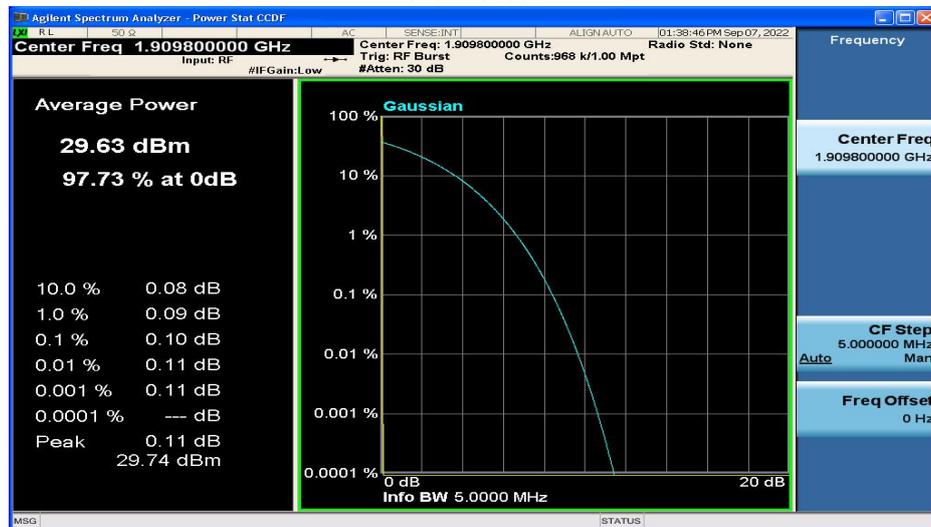
**7. Peak-Average Ratio**  
**PCS1900**  
**GSM MODE:**



Channel 512

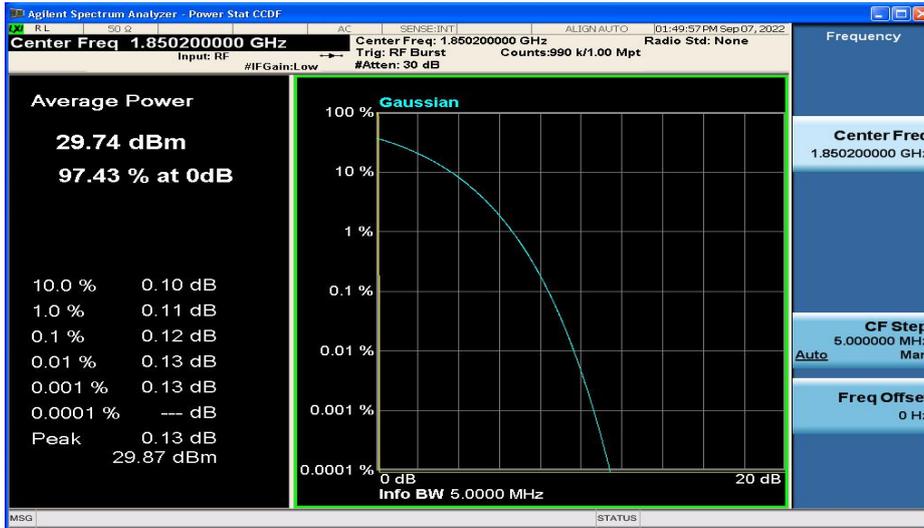


Channel 661

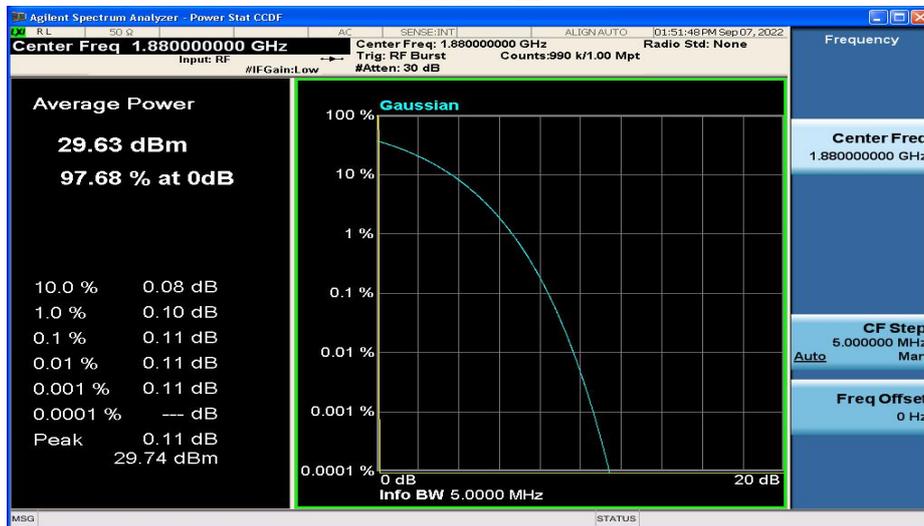


Channel 810

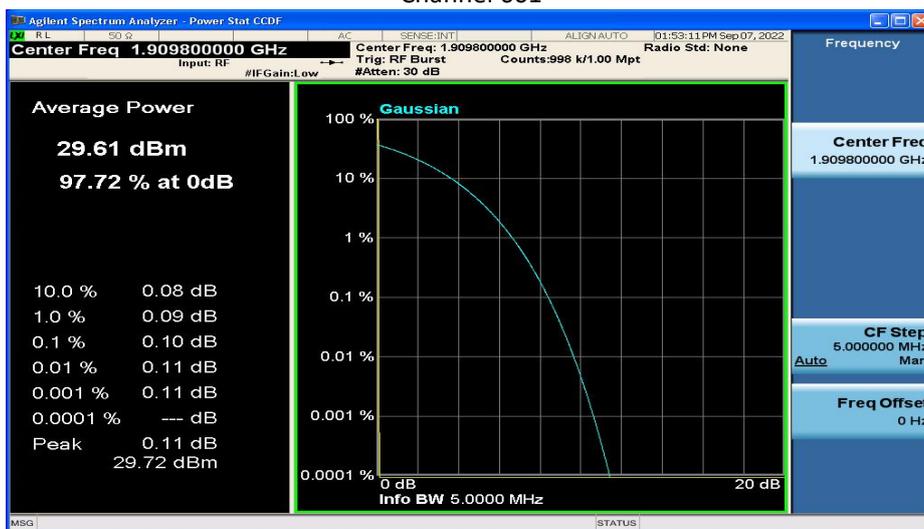
GPRS MODE:



Channel 512



Channel 661

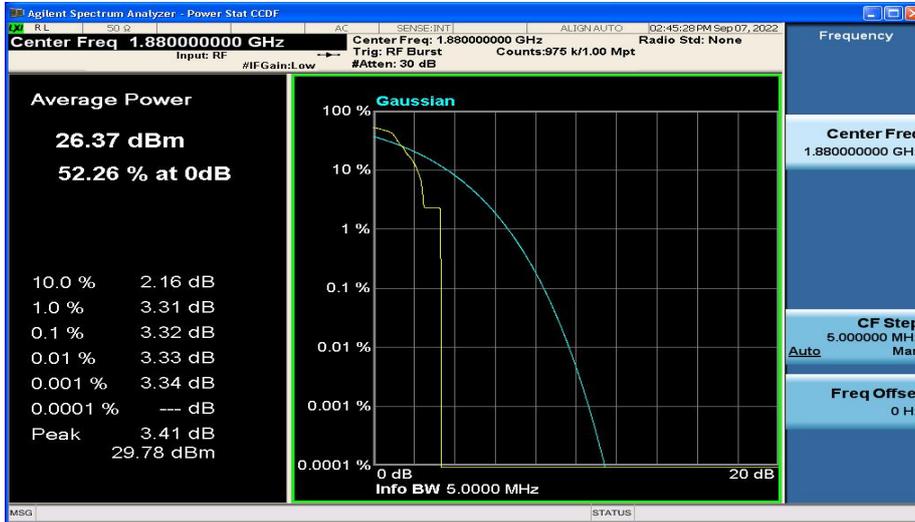


Channel 810

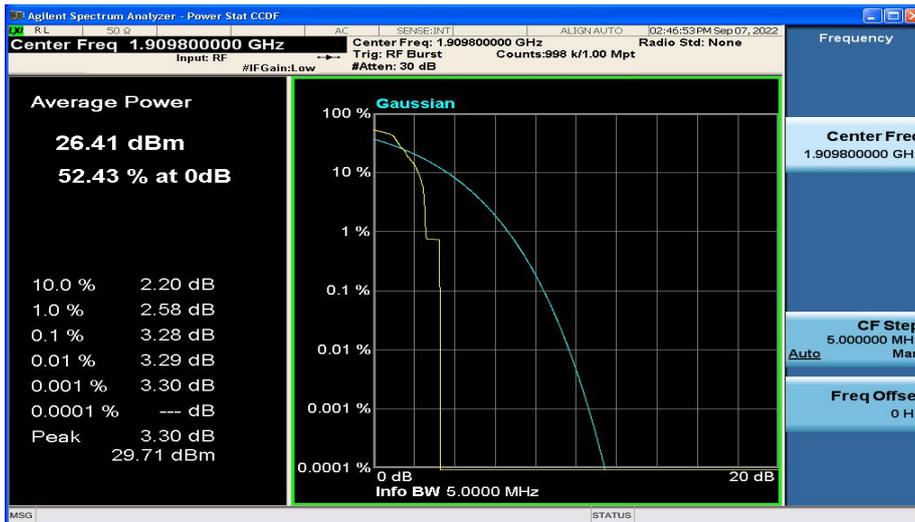
EGPRS (8PSK) MODE:



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	29.99	28.69	0.740
1880	661	29.97	28.67	0.736
1909.8	810	29.98	28.68	0.738

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	1Down4Up	24.29	22.99	0.199
1880	661	1Down4Up	24.16	22.86	0.193
1909.8	810	1Down4Up	24.22	22.92	0.196
1850.2	512	2Down3Up	26.26	24.96	0.313
1880	661	2Down3Up	26.20	24.90	0.309
1909.8	810	2Down3Up	26.24	24.94	0.312
1850.2	512	3Down2Up	27.81	26.51	0.448
1880	661	3Down2Up	27.77	26.47	0.444
1909.8	810	3Down2Up	27.79	26.49	0.446
1850.2	512	4Down1Up	29.87	28.57	0.719
1880	661	4Down1Up	29.85	28.55	0.716
1909.8	810	4Down1Up	29.85	28.55	0.716

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	1Down4Up	21.10	19.80	0.095
1880	661	1Down4Up	20.67	19.37	0.086
1909.8	810	1Down4Up	20.20	18.90	0.078
1850.2	512	2Down3Up	22.64	21.34	0.136
1880	661	2Down3Up	22.45	21.15	0.130
1909.8	810	2Down3Up	22.78	21.48	0.141
1850.2	512	3Down2Up	25.14	23.84	0.242
1880	661	3Down2Up	24.89	23.59	0.229
1909.8	810	3Down2Up	25.16	23.86	0.243
1850.2	512	4Down1Up	26.46	25.16	0.328
1880	661	4Down1Up	25.99	24.69	0.294
1909.8	810	4Down1Up	26.52	25.22	0.333

## APPENDIX B – TEST DATA OF RADIATED EMISSION

### Radiated Spurious Emissions

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

Note: The scanned graph represents the maximum of both horizontal and vertical polarizations and is not a single horizontal or vertical polarization scan.

#### 850 Test result

GSM/GPRS MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1027.000000	-65.75	-13.00	Vertical
1033.000000	-65.76	-13.00	Vertical
1672.750000	-58.68	-13.00	Vertical
2509.250000	-47.24	-13.00	Vertical
2509.937500	-47.56	-13.00	Vertical
2926.375000	-64.92	-13.00	Vertical

EGPRS MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1010.375000	-64.84	-13.00	Vertical
1031.125000	-66.62	-13.00	Vertical
1801.937500	-67.62	-13.00	Vertical
2066.625000	-67.59	-13.00	Vertical
2533.187500	-66.67	-13.00	Vertical
2960.062500	-65.10	-13.00	Vertical

#### 1900 Test result

GSM/GPRS MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
8598.281250	-56.77	-13.00	Vertical
10395.937500	-56.47	-13.00	Vertical
11514.843750	-56.41	-13.00	Vertical
14538.281250	-51.93	-13.00	Vertical
16854.843750	-45.31	-13.00	Vertical
17917.500000	-45.02	-13.00	Vertical

GSM/GPRS MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
8778.281250	-56.90	-13.00	Vertical
10397.812500	-56.54	-13.00	Vertical
11518.125000	-56.44	-13.00	Vertical
15020.625000	-51.69	-13.00	Vertical
16855.781250	-44.99	-13.00	Vertical
17929.687500	-45.21	-13.00	Vertical

---End of Test Report---