

FCC ID: M7C-EID1400

ANNEX A

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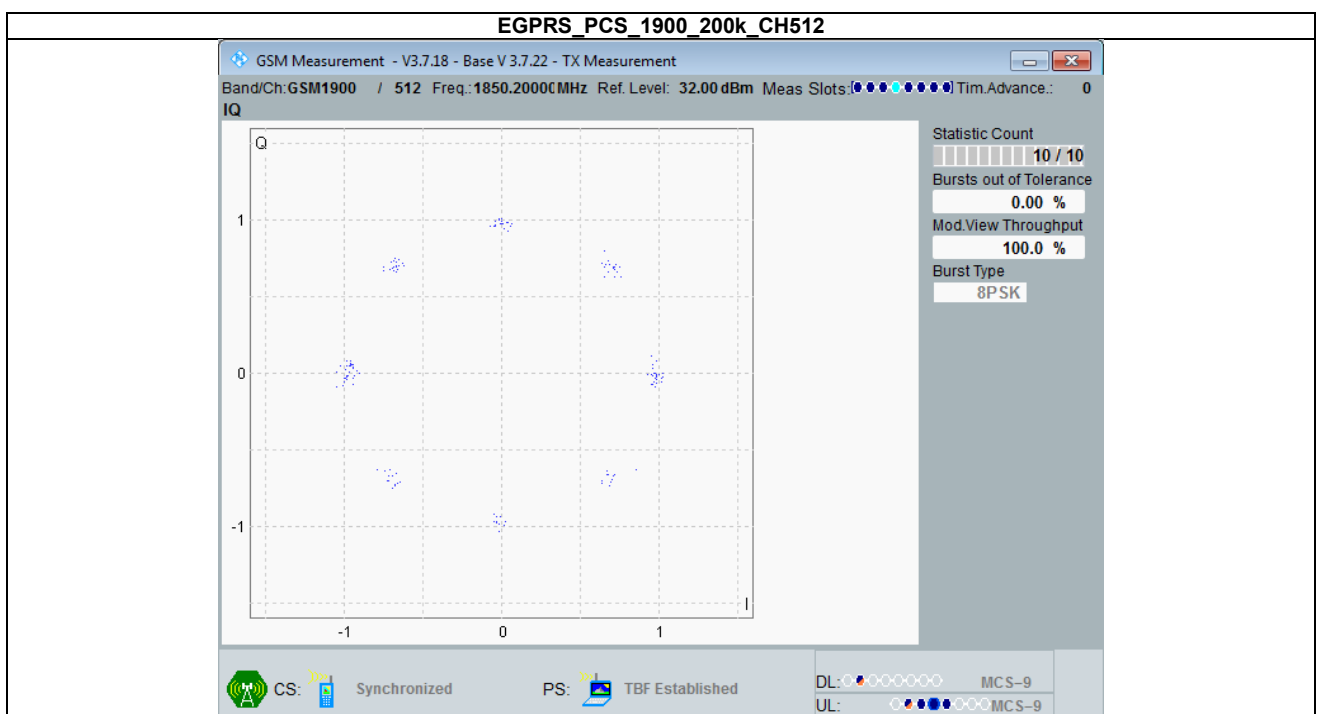
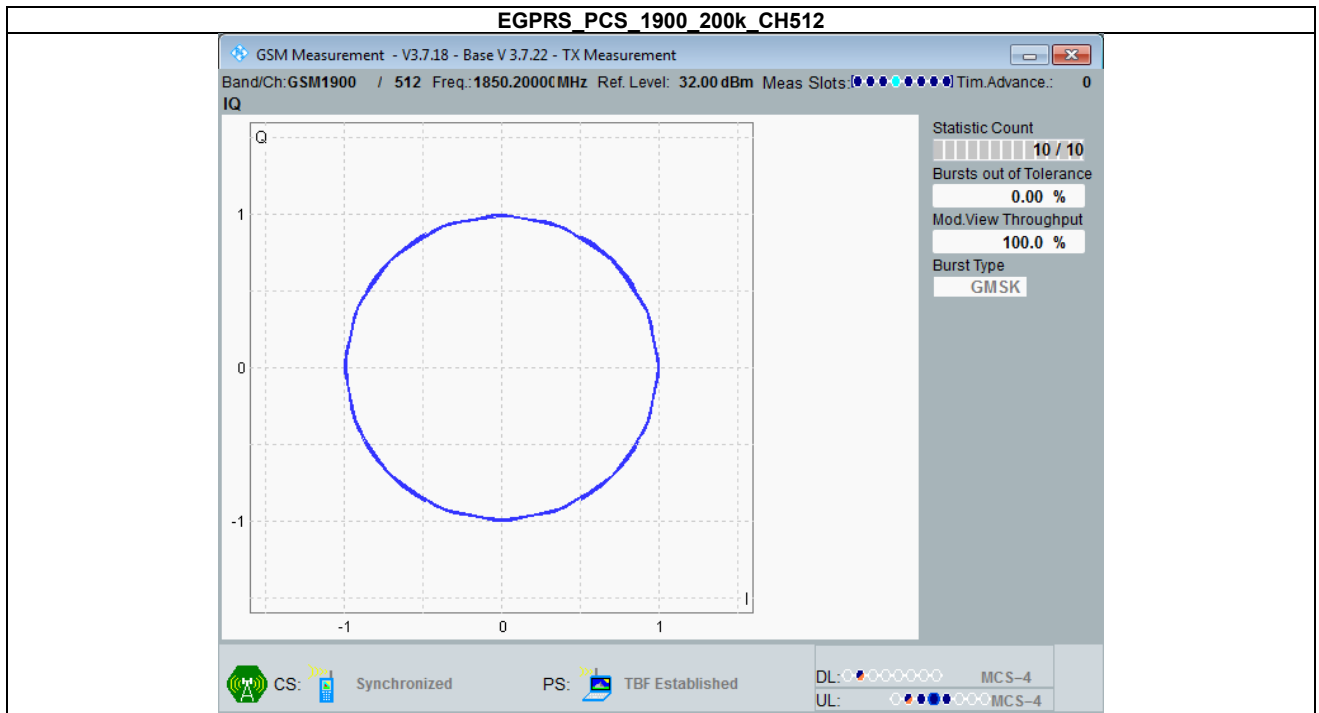
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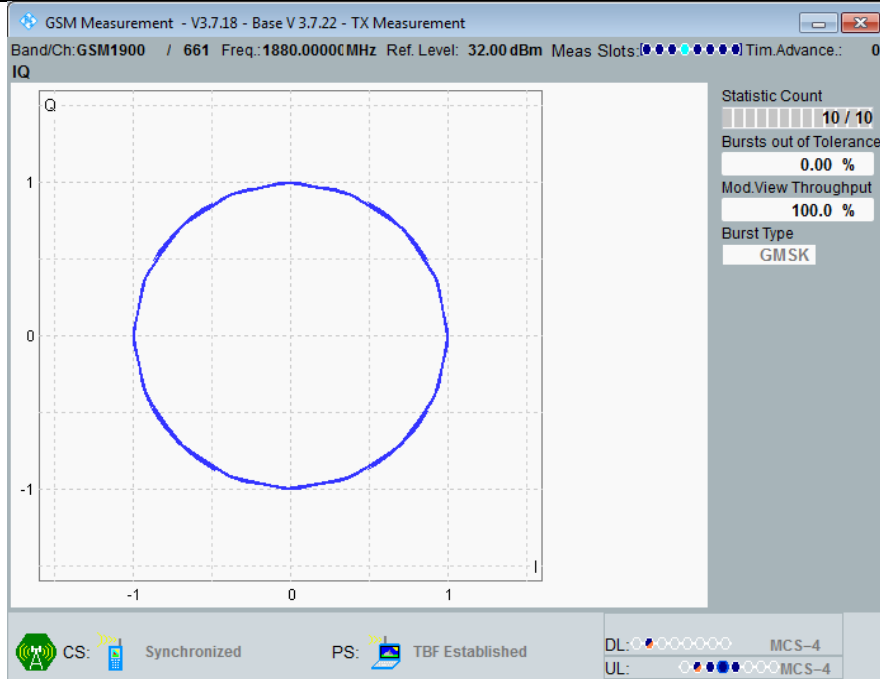
FCC EGPRS 1900 Test Data

1. Modulation Characteristics

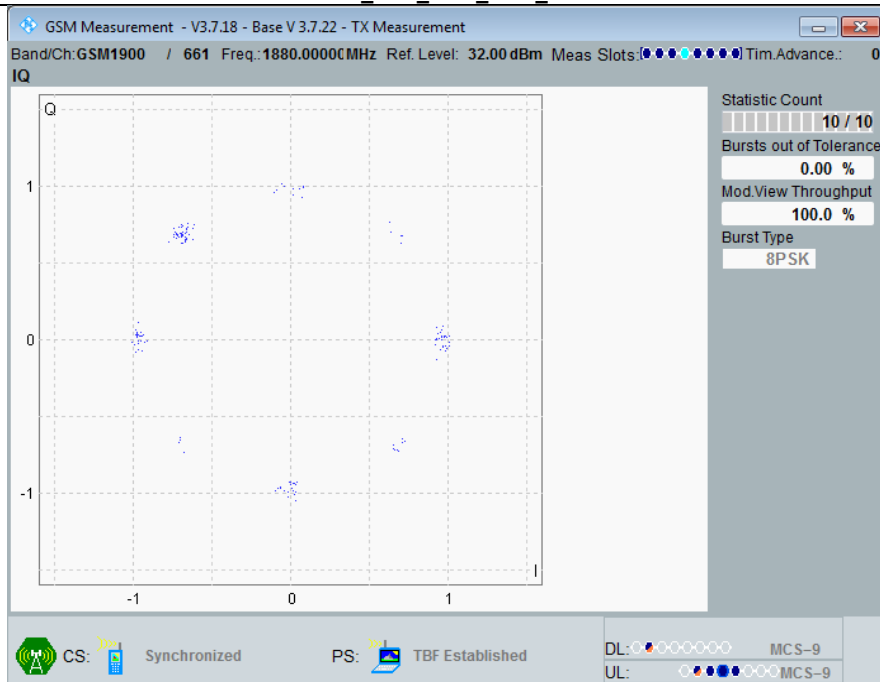
Band	Modulation	Frequency(MHz)	Result
PCS 1900	GMSK	1850.2	See the photograph
PCS 1900	8PSK	1850.2	See the photograph
PCS 1900	GMSK	1880.0	See the photograph
PCS 1900	8PSK	1880.0	See the photograph
PCS 1900	GMSK	1909.8	See the photograph
PCS 1900	8PSK	1909.8	See the photograph



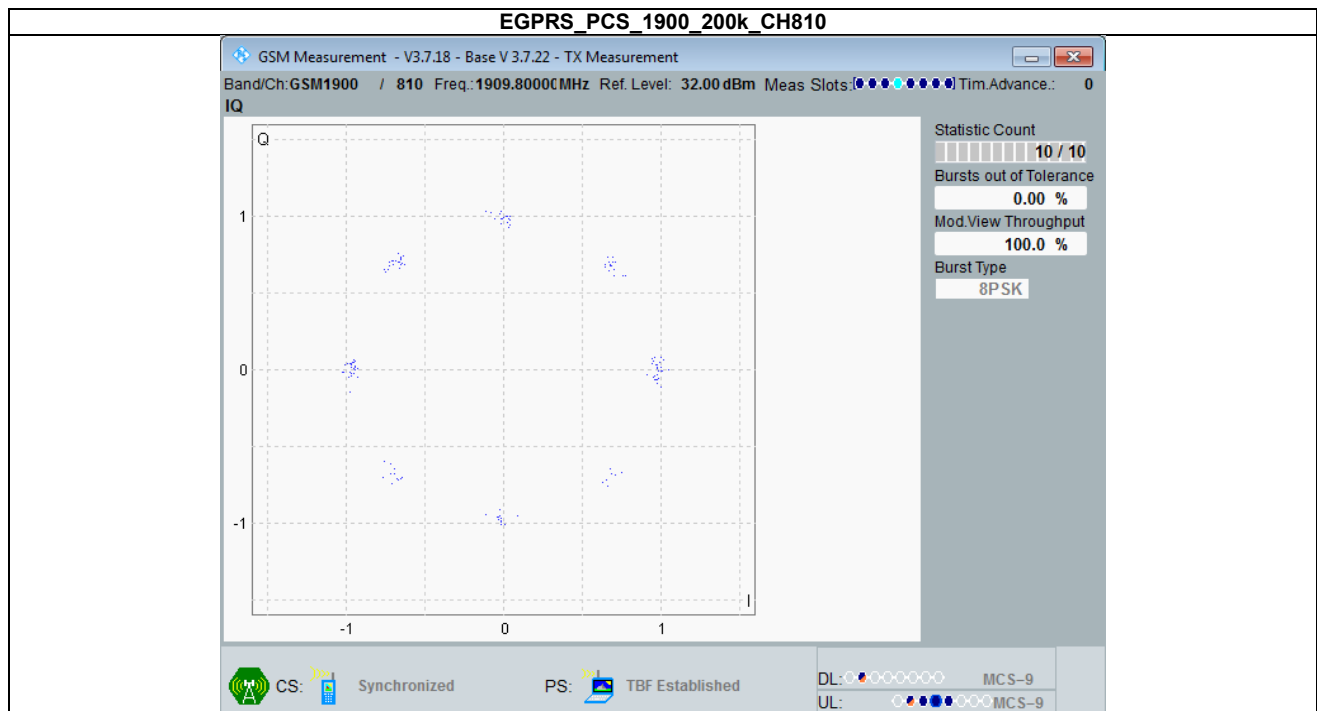
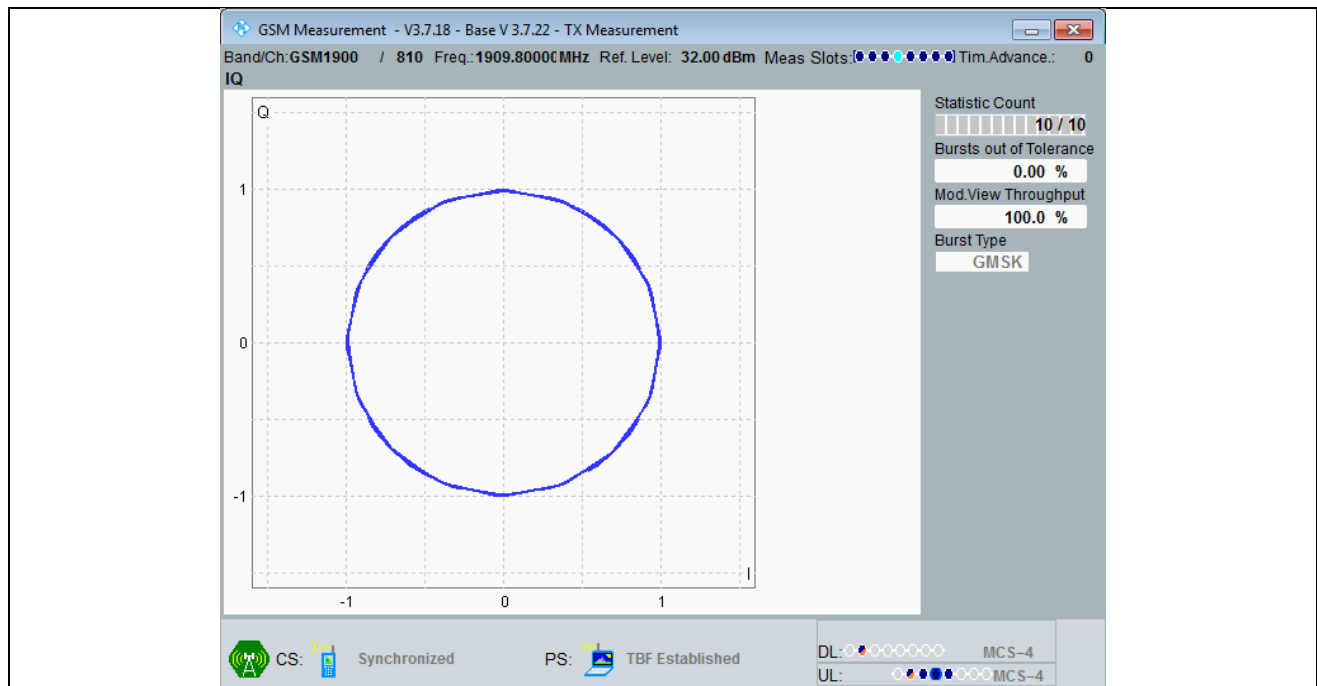
EGPRS_PCS_1900_200k_CH661



EGPRS_PCS_1900_200k_CH661



EGPRS_PCS_1900_200k_CH810



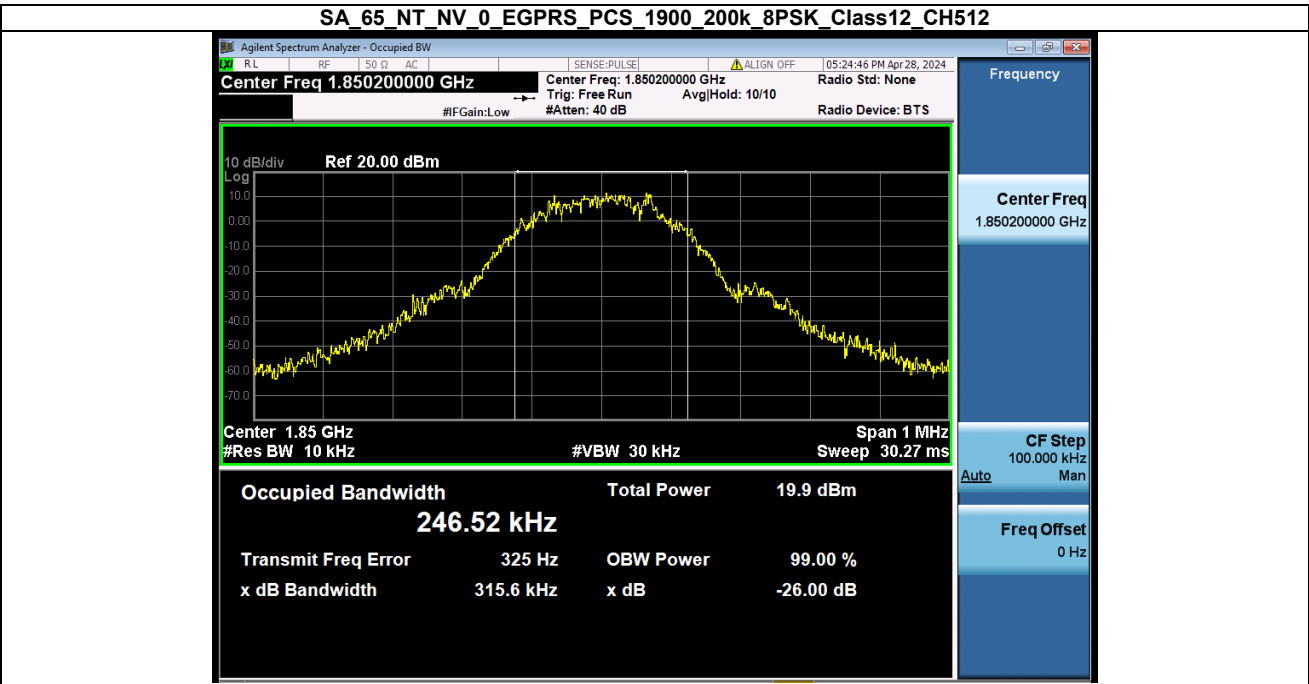
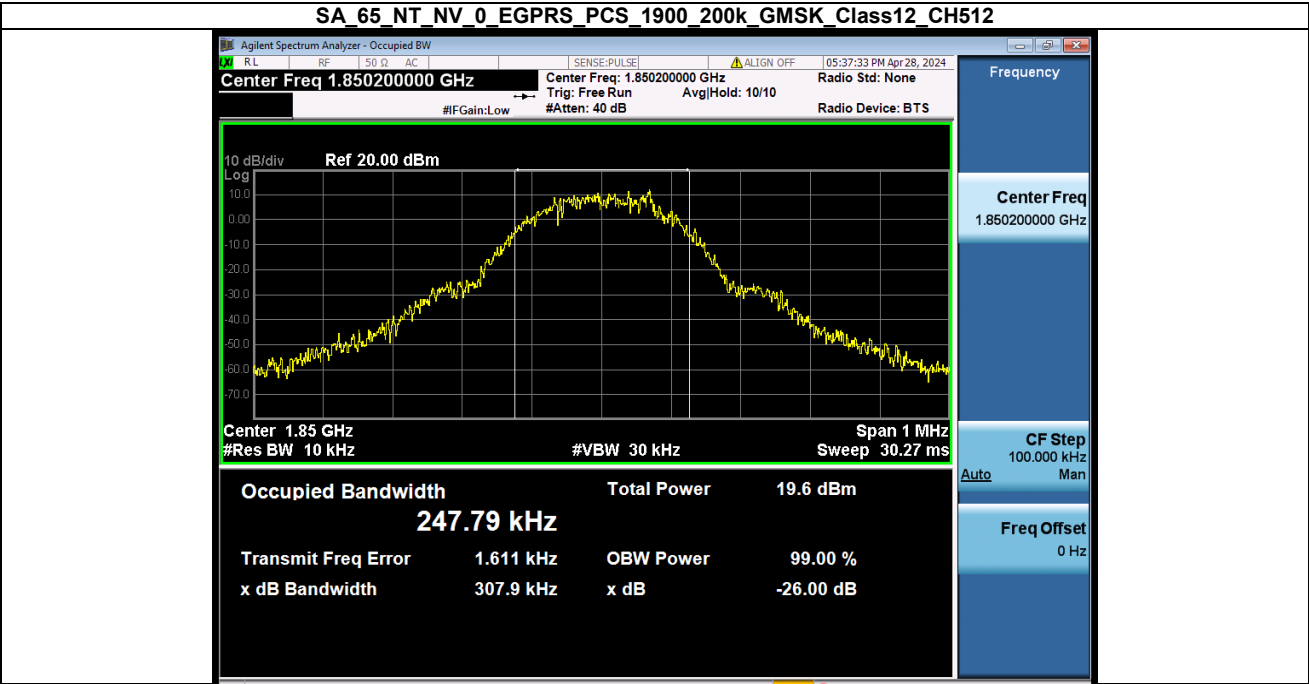
2. Conducted Output Power&&EIRP/ERP

Services	Band	Modulation	Class Type	Frequency(MHz)	Conducted Power(dBm)	ANT Gain(dBi)	EIRP(dBm)	EIRP(mW)	limit(mW)	Result	Remark
EGPRS	PCS 1900	GMSK	Class8	1850.2	25.4	-2	23.40	218.78	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	GMSK	Class10	1850.2	25.36	-2	23.36	216.77	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	GMSK	Class11	1850.2	25.31	-2	23.31	214.29	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	GMSK	Class12	1850.2	23.37	-2	21.37	137.09	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	8PSK	Class8	1850.2	24.92	-2	22.92	195.88	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	8PSK	Class10	1850.2	23.02	-2	21.02	126.47	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	8PSK	Class11	1850.2	21.05	-2	19.05	80.35	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	8PSK	Class12	1850.2	19.79	-2	17.79	60.12	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	GMSK	Class8	1880.0	25.33	-2	23.33	215.28	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	GMSK	Class10	1880.0	25.29	-2	23.29	213.30	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	GMSK	Class11	1880.0	25.22	-2	23.22	209.89	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	GMSK	Class12	1880.0	23.26	-2	21.26	133.66	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	8PSK	Class8	1880.0	24.72	-2	22.72	187.07	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	8PSK	Class10	1880.0	23.06	-2	21.06	127.64	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	8PSK	Class11	1880.0	22.25	-2	20.25	105.93	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	8PSK	Class12	1880.0	19.03	-2	17.03	50.47	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	GMSK	Class8	1909.8	25.13	-2	23.13	205.59	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS	GMSK	Class10	1909.8	25.06	-2	23.06	202.30	2000	Pass	EIRP =

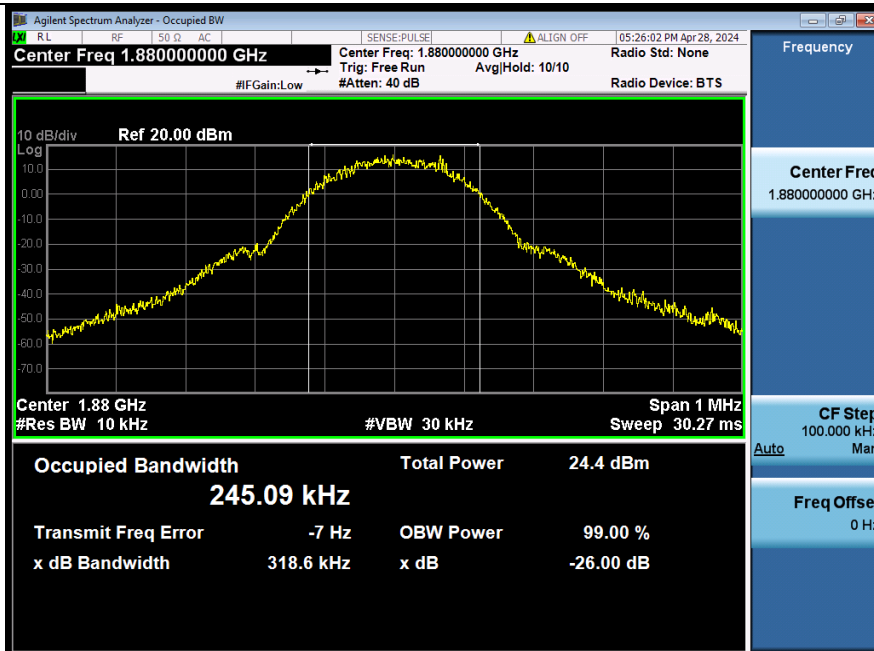
	1900										Conducted Power + ANT Gain
EGPRS	PCS 1900	GMSK	Class11	1909.8	24.98	-2	22.98	198.61	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	GMSK	Class12	1909.8	22.97	-2	20.97	125.03	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	8PSK	Class8	1909.8	24.77	-2	22.77	189.23	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	8PSK	Class10	1909.8	22.96	-2	20.96	124.74	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	8PSK	Class11	1909.8	21.06	-2	19.06	80.54	2000	Pass	EIRP = Conducted Power + ANT Gain
EGPRS	PCS 1900	8PSK	Class12	1909.8	20.74	-2	18.74	74.82	2000	Pass	EIRP = Conducted Power + ANT Gain

3. Occupied Bandwidth

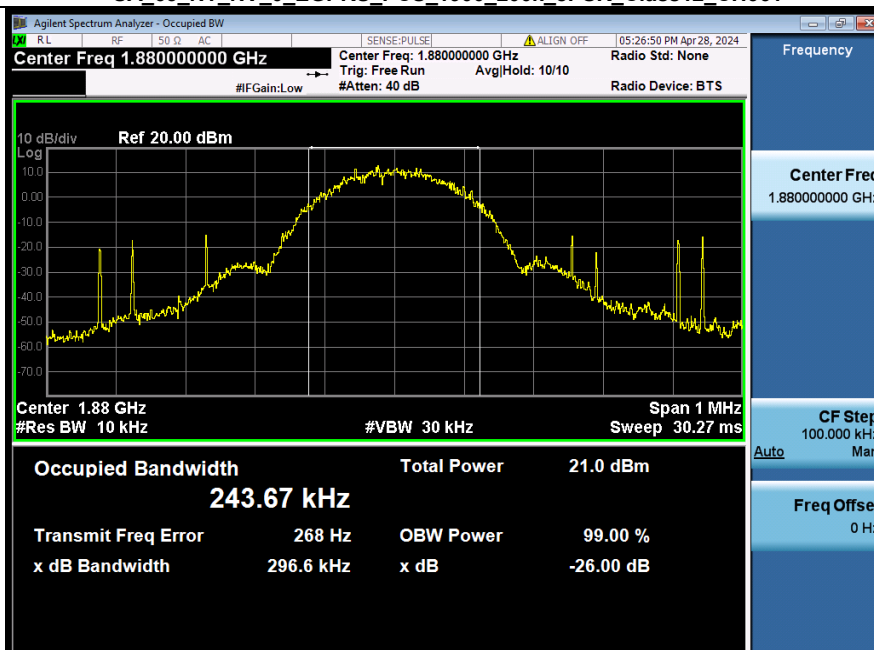
Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	OBW(MHz)	26EBW(MHz)
NVNT	EGPRS	PCS 1900	GMSK	Class12	1850.2	0.2478	0.3079
NVNT	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.2465	0.3156
NVNT	EGPRS	PCS 1900	GMSK	Class12	1880.0	0.2448	0.3186
NVNT	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.2437	0.2966
NVNT	EGPRS	PCS 1900	GMSK	Class12	1909.8	0.2435	0.3142
NVNT	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.2445	0.3334



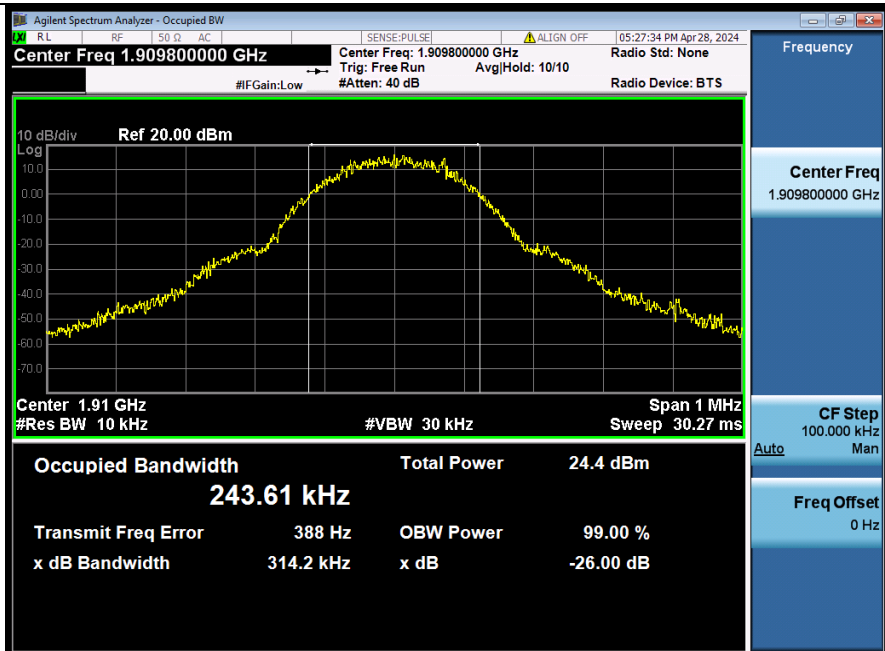
SA 65 NT NV 0 EGPRS PCS 1900 200k GMSK Class12 CH661



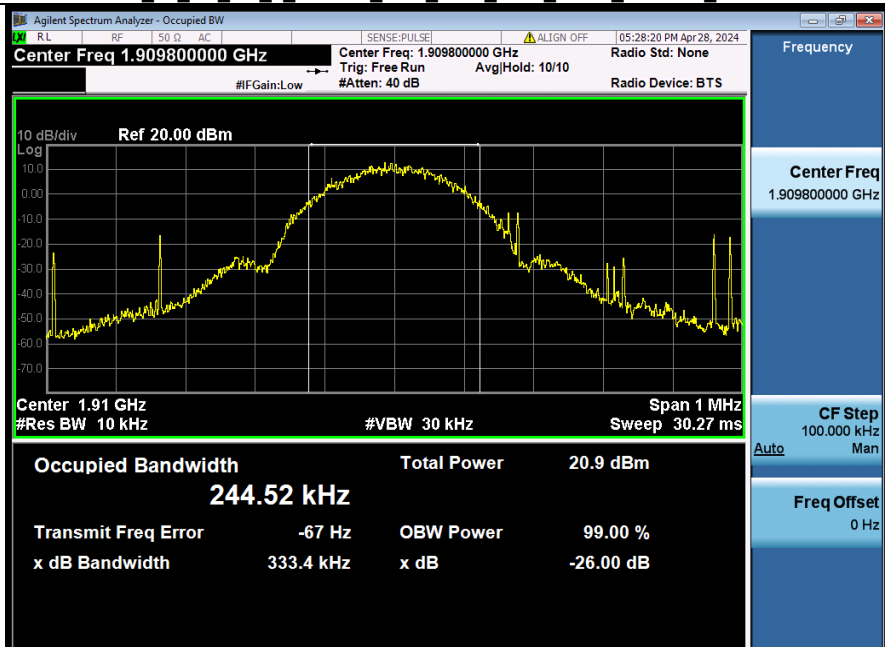
SA_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH661



SA_65_NT_NV_0_EGPRS_PCS_1900_200k_GMSK_Class12_CH810

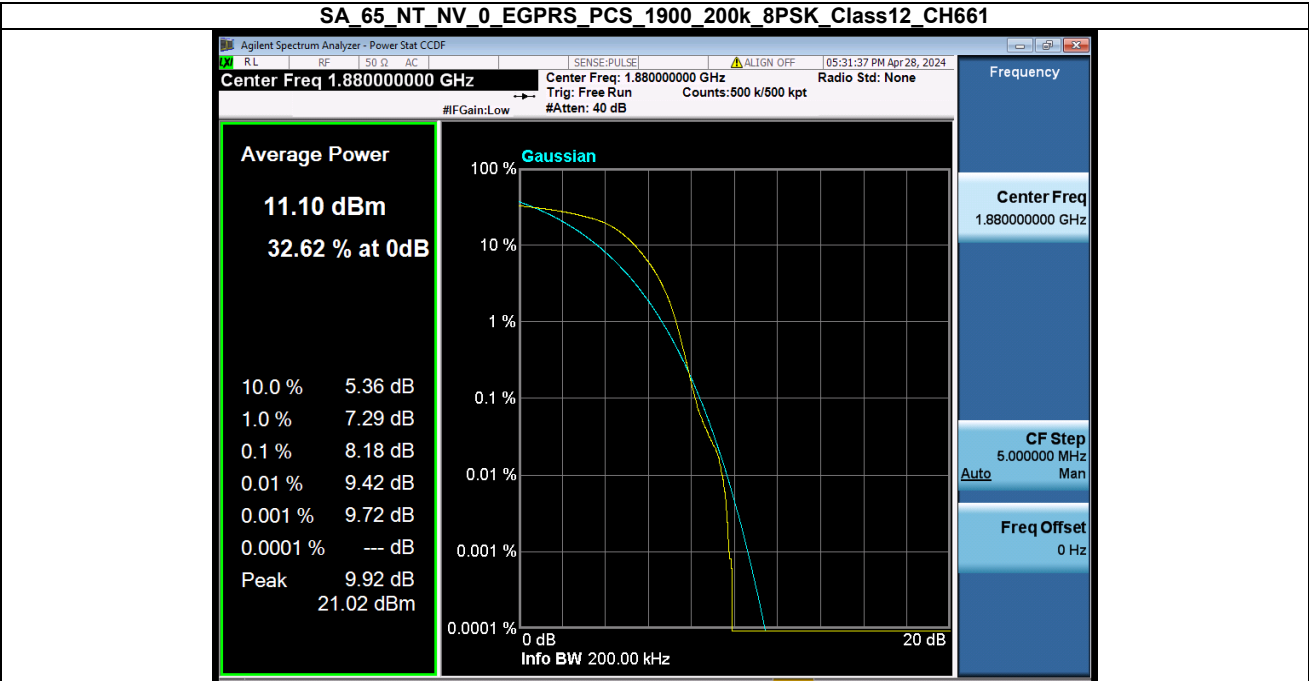
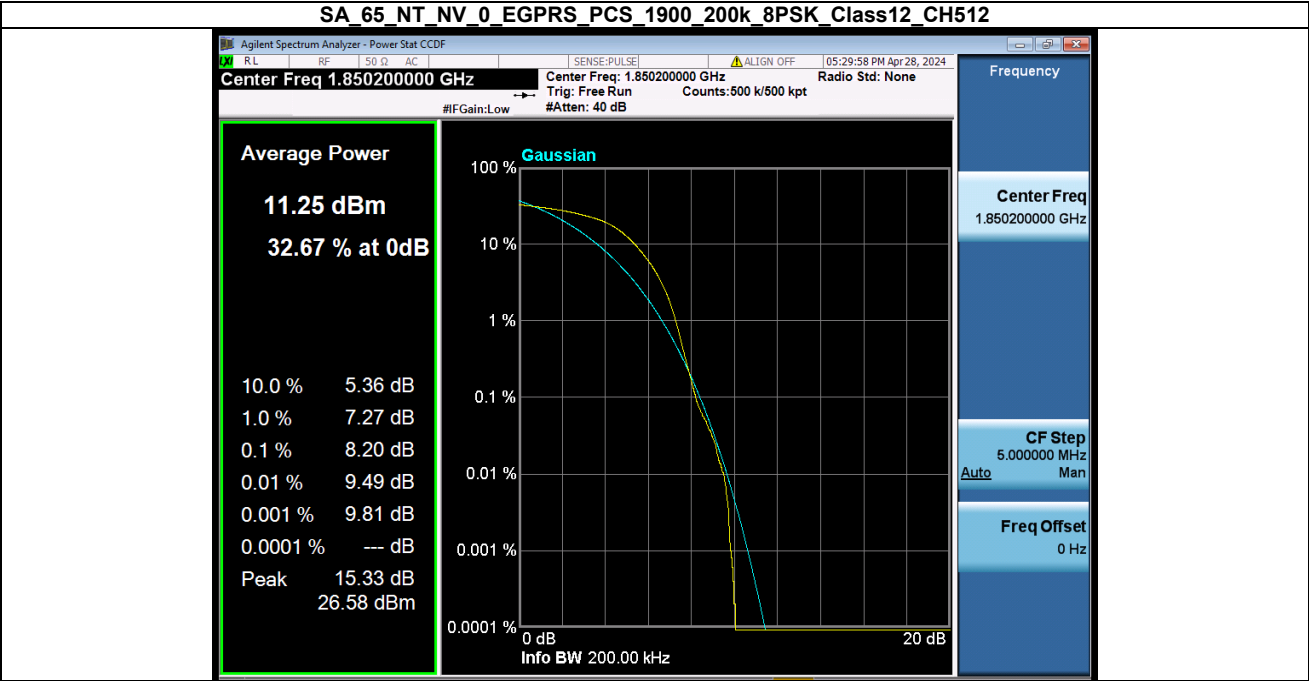


SA_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH810

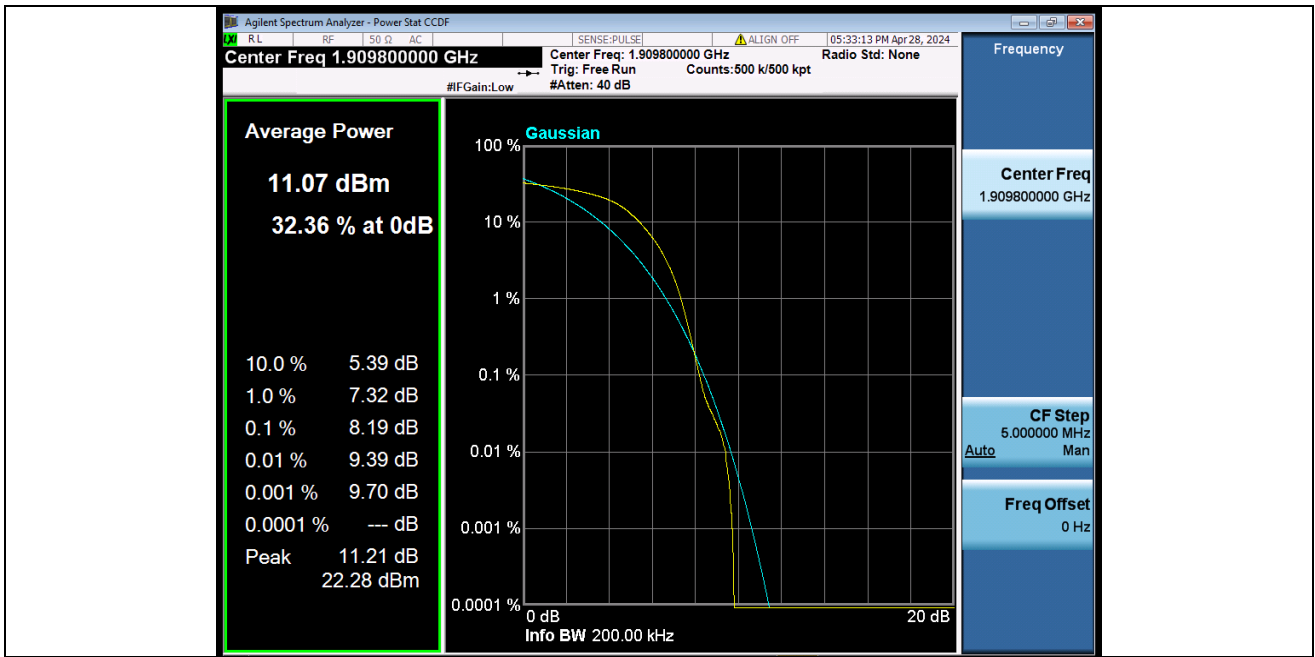


4. Peak to Average Ratio

Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NVNT	EGPRS	PCS 1900	8PSK	Class12	1850.2	8.20	13.00	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1880.0	8.18	13.00	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1909.8	8.19	13.00	Pass

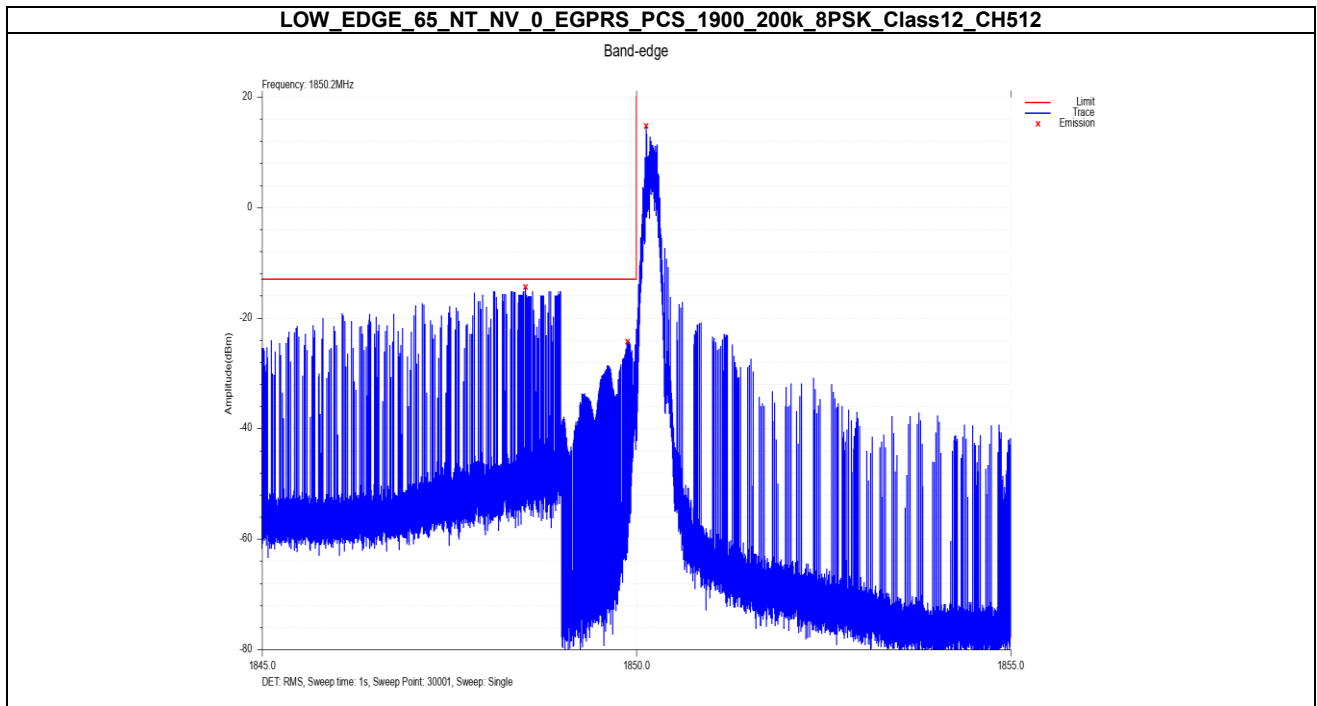


SA_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH810



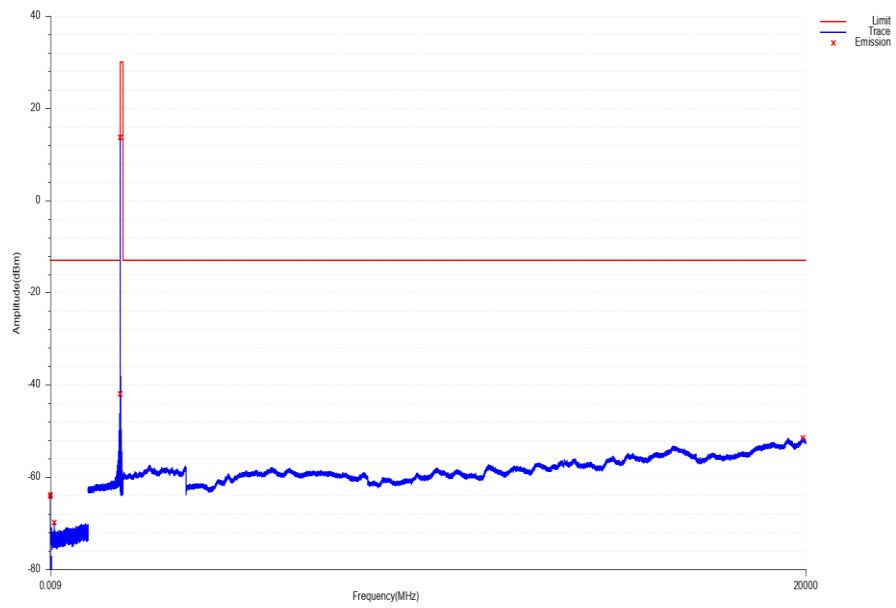
5. Unwanted Spurious Emission

Services	Band	Modulation	Class Type	Frequency(MHz)	RBW(kHz)	Test Freq Range(MHz)	Spur Freq (MHz)	Spur Level(dBm)	Limit(dBm)	Result
EGPRS	PCS 1900	8PSK	Class12	1850.20	1000	1845.0~1849.0	1848.479	-15.51	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.20	3	1849.0~1850.0	1849.883	-24.29	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.20	1	0.009~0.150	0.010	-63.84	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.20	10	0.150~30.000	0.158	-64.19	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.20	100	30.000~1000.000	108.829	-69.89	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.20	1000	1000.000~1845.000	1842.071	-42.01	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.20	1000	1915.000~20000.000	19921.029	-51.53	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1880.00	1	0.009~0.150	0.010	-63.42	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1880.00	10	0.150~30.000	0.152	-66.15	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1880.00	100	30.000~1000.000	922.950	-70.02	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1880.00	1000	1000.000~1845.000	1841.141	-55.08	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1880.00	1000	1915.000~20000.000	19905.355	-51.65	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	3	1910.0~1911.0	1910.010	-18.48	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	1000	1911.0~1915.0	1911.023	-15.80	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	1	0.009~0.150	0.009	-64.40	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	10	0.150~30.000	0.157	-66.58	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	100	30.000~1000.000	107.988	-70.22	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	1000	1000.000~1845.000	1839.423	-57.81	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	1000	1915.000~20000.000	1927.057	-46.31	-13	Pass



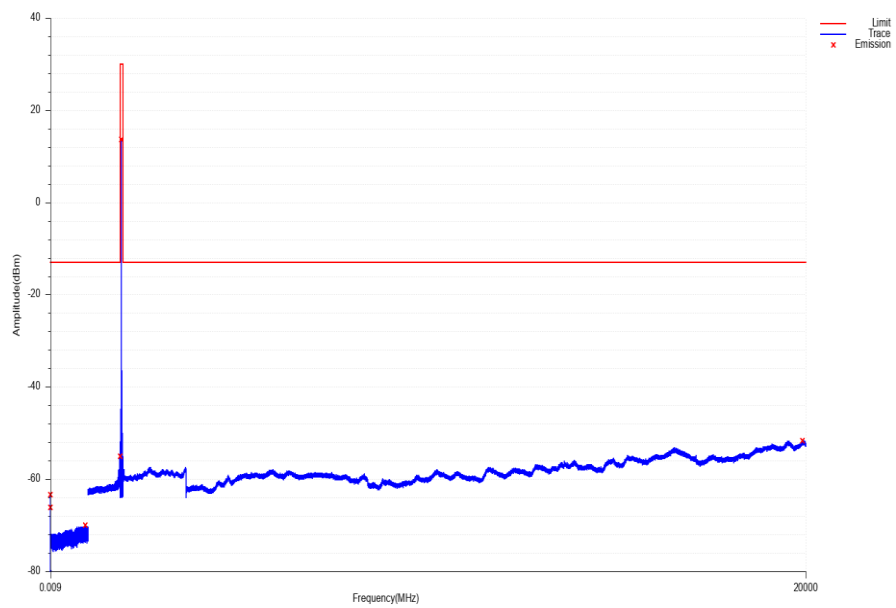
SA_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH512

Unwanted spurious emissions

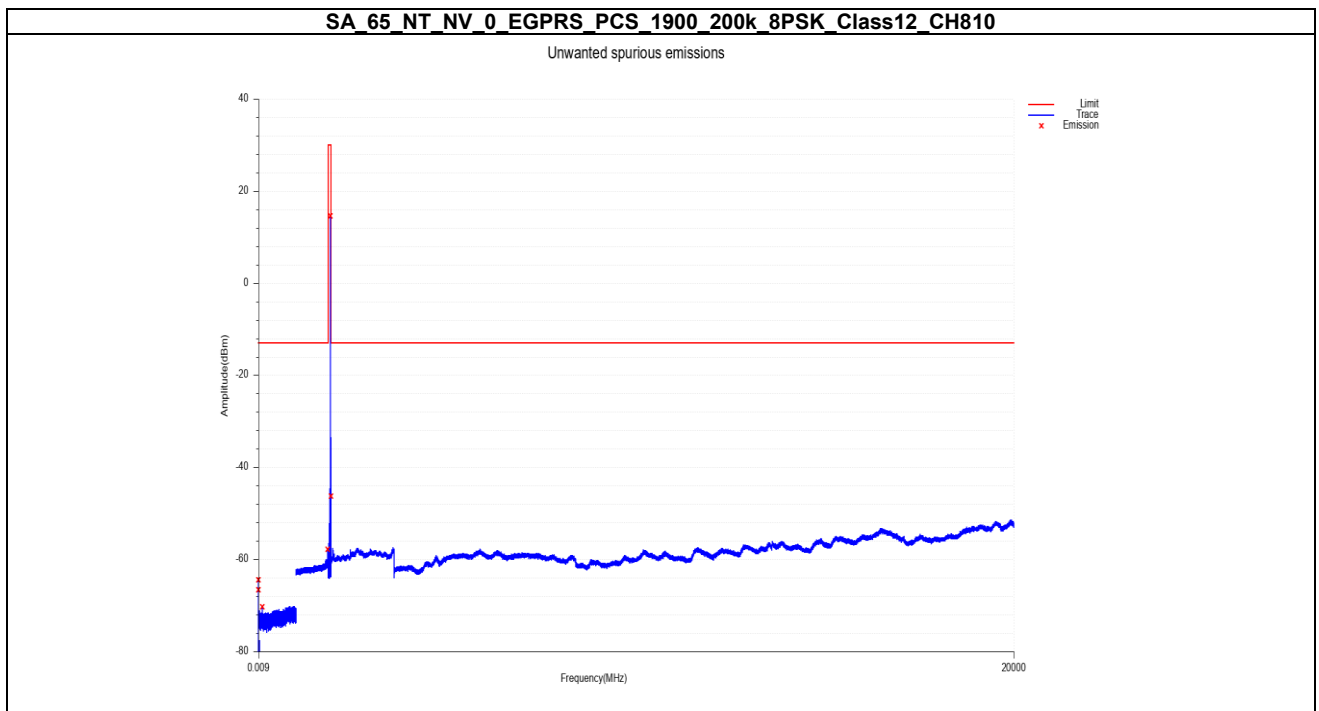
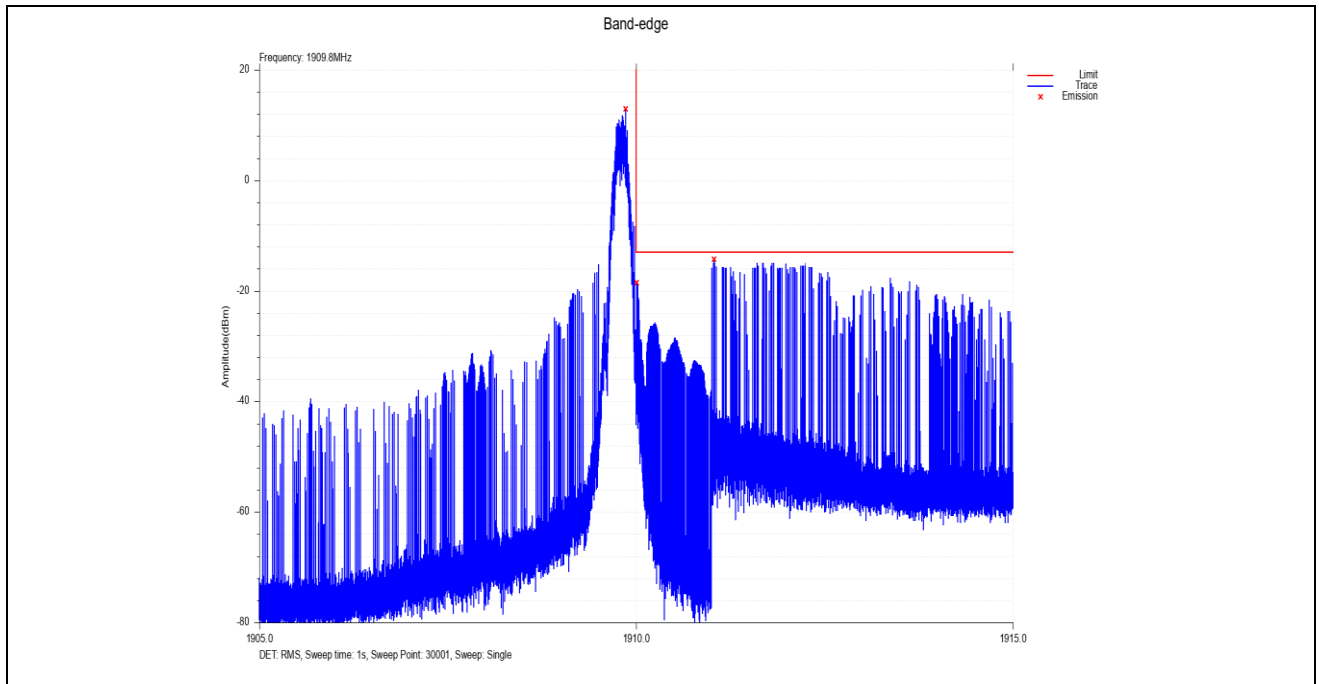


SA_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH661

Unwanted spurious emissions



UPPER_EDGE_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH810



6. Frequency Stability

Temperature(s°C)	Voltage(V)	Services	Band	Modulation	Class Type	Frequency(MHz)	Frequency Stabilization (ppm)	Limit_Low(ppm)	Limit_Up(ppm)	Result
-30	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0022	-2.50	2.50	Pass
-30	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0065	-2.50	2.50	Pass
-30	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0044	-2.50	2.50	Pass
-30	3.8	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0040	-2.50	2.50	Pass
-30	3.8	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0062	-2.50	2.50	Pass
-30	3.8	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0047	-2.50	2.50	Pass
-30	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0086	-2.50	2.50	Pass
-30	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0010	-2.50	2.50	Pass
-30	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0022	-2.50	2.50	Pass
-20	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0005	-2.50	2.50	Pass
-20	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0085	-2.50	2.50	Pass
-20	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0011	-2.50	2.50	Pass
-20	3.8	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0029	-2.50	2.50	Pass
-20	3.8	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0054	-2.50	2.50	Pass
-20	3.8	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0023	-2.50	2.50	Pass
-20	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0066	-2.50	2.50	Pass
-20	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0008	-2.50	2.50	Pass
-20	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0056	-2.50	2.50	Pass
-10	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0004	-2.50	2.50	Pass
-10	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0058	-2.50	2.50	Pass
-10	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0036	-2.50	2.50	Pass
-10	3.8	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0013	-2.50	2.50	Pass
-10	3.8	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0001	-2.50	2.50	Pass
-10	3.8	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0052	-2.50	2.50	Pass
-10	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0024	-2.50	2.50	Pass
-10	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0065	-2.50	2.50	Pass
-10	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0004	-2.50	2.50	Pass
0	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0013	-2.50	2.50	Pass
0	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0091	-2.50	2.50	Pass
0	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0057	-2.50	2.50	Pass
0	3.8	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0030	-2.50	2.50	Pass
0	3.8	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0011	-2.50	2.50	Pass
0	3.8	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0031	-2.50	2.50	Pass
0	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0002	-2.50	2.50	Pass

			1900							
0	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0005	-2.50	2.50	Pass
0	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0028	-2.50	2.50	Pass
10	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0020	-2.50	2.50	Pass
10	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0080	-2.50	2.50	Pass
10	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0020	-2.50	2.50	Pass
10	3.8	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0005	-2.50	2.50	Pass
10	3.8	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0082	-2.50	2.50	Pass
10	3.8	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0038	-2.50	2.50	Pass
10	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0039	-2.50	2.50	Pass
10	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0010	-2.50	2.50	Pass
10	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0008	-2.50	2.50	Pass
20	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0046	-2.50	2.50	Pass
20	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0077	-2.50	2.50	Pass
20	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0035	-2.50	2.50	Pass
20	3.8	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0048	-2.50	2.50	Pass
20	3.8	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0009	-2.50	2.50	Pass
20	3.8	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0014	-2.50	2.50	Pass
20	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0043	-2.50	2.50	Pass
20	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0072	-2.50	2.50	Pass
20	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0023	-2.50	2.50	Pass
30	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0021	-2.50	2.50	Pass
30	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0031	-2.50	2.50	Pass
30	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0043	-2.50	2.50	Pass
30	3.8	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0019	-2.50	2.50	Pass
30	3.8	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0002	-2.50	2.50	Pass
30	3.8	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0037	-2.50	2.50	Pass
30	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0011	-2.50	2.50	Pass
30	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0012	-2.50	2.50	Pass
30	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0010	-2.50	2.50	Pass
40	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0008	-2.50	2.50	Pass
40	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0017	-2.50	2.50	Pass
40	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0070	-2.50	2.50	Pass
40	3.8	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0009	-2.50	2.50	Pass
40	3.8	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0080	-2.50	2.50	Pass
40	3.8	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0005	-2.50	2.50	Pass
40	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0042	-2.50	2.50	Pass
40	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0049	-2.50	2.50	Pass
40	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0009	-2.50	2.50	Pass

50	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0053	-2.50	2.50	Pass
50	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0067	-2.50	2.50	Pass
50	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0046	-2.50	2.50	Pass
50	3.8	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0066	-2.50	2.50	Pass
50	3.8	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0055	-2.50	2.50	Pass
50	3.8	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0016	-2.50	2.50	Pass
50	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0006	-2.50	2.50	Pass
50	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0026	-2.50	2.50	Pass
50	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0007	-2.50	2.50	Pass