

EGPRS 1900 Test Data

Table of Contents

1. Conducted Output Power&&EIRP/ERP.....	2
2. Occupied Bandwidth	3
3. Peak to Average Ratio.....	6
4. Unwanted Spurious Emission	8
5. Frequency Stability	11

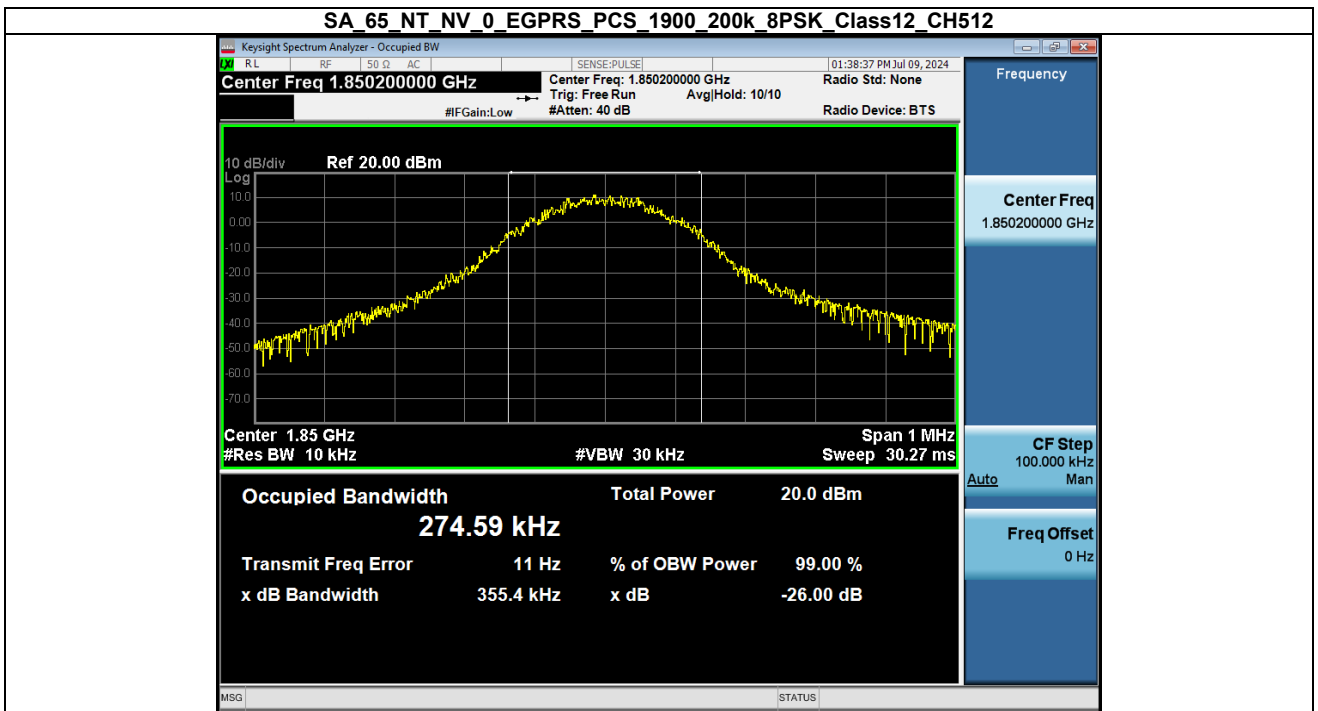
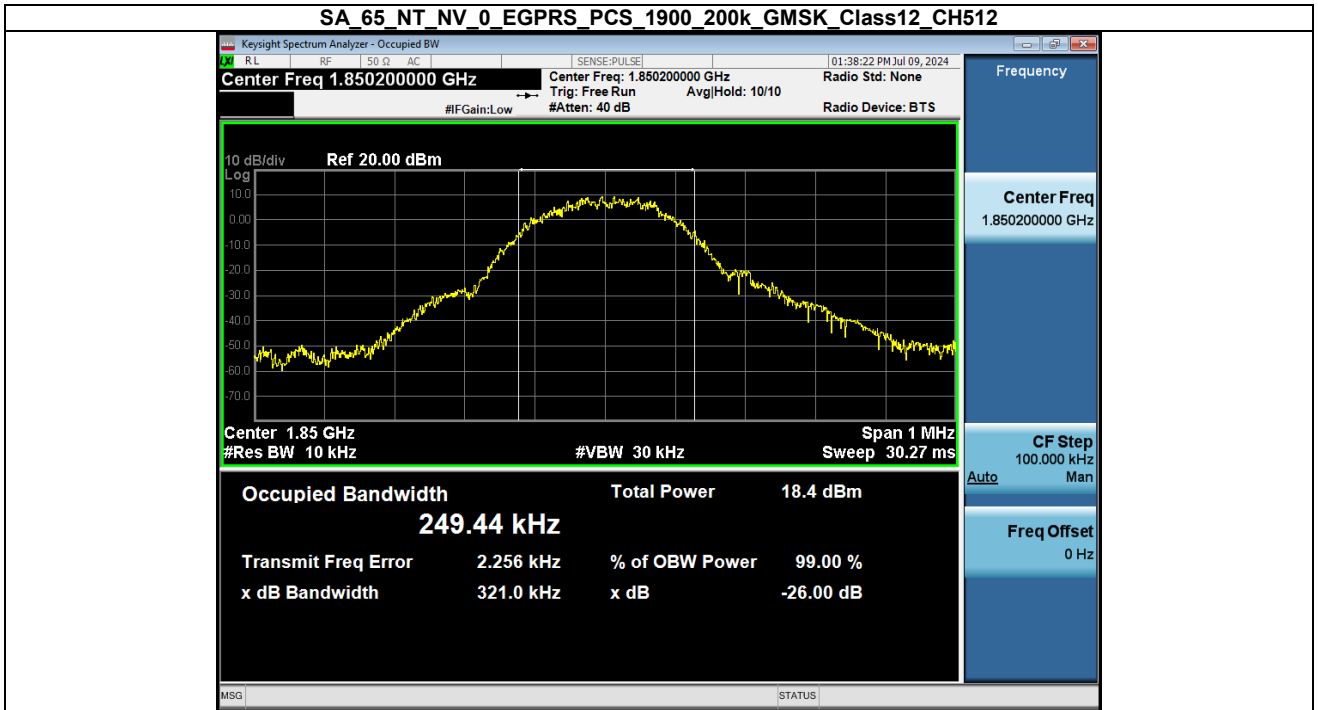
1. Conducted Output Power&&EIRP/ERP

Services	Band	Modulation	Class Type	Frequency (MHz)	Conducted Power(dBm)	ANT Gain(dBi)	EIRP(dBm)	limit(dBm)	Result
EGPRS	PCS 1900	GMSK	Class8	1850.2	28.33	0.6	28.93	33.01	Pass
EGPRS	PCS 1900	GMSK	Class10	1850.2	27.98	0.6	28.58	33.01	Pass
EGPRS	PCS 1900	GMSK	Class11	1850.2	28.70	0.6	29.30	33.01	Pass
EGPRS	PCS 1900	GMSK	Class12	1850.2	28.30	0.6	28.90	33.01	Pass
EGPRS	PCS 1900	8PSK	Class8	1850.2	28.17	0.6	28.77	33.01	Pass
EGPRS	PCS 1900	8PSK	Class10	1850.2	28.06	0.6	28.66	33.01	Pass
EGPRS	PCS 1900	8PSK	Class11	1850.2	28.80	0.6	29.40	33.01	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.2	28.14	0.6	28.74	33.01	Pass
EGPRS	PCS 1900	GMSK	Class8	1880.0	27.98	0.6	28.58	33.01	Pass
EGPRS	PCS 1900	GMSK	Class10	1880.0	28.22	0.6	28.82	33.01	Pass
EGPRS	PCS 1900	GMSK	Class11	1880.0	28.78	0.6	29.38	33.01	Pass
EGPRS	PCS 1900	GMSK	Class12	1880.0	28.82	0.6	29.42	33.01	Pass
EGPRS	PCS 1900	8PSK	Class8	1880.0	27.68	0.6	28.28	33.01	Pass
EGPRS	PCS 1900	8PSK	Class10	1880.0	28.65	0.6	29.25	33.01	Pass
EGPRS	PCS 1900	8PSK	Class11	1880.0	27.93	0.6	28.53	33.01	Pass
EGPRS	PCS 1900	8PSK	Class12	1880.0	27.68	0.6	28.28	33.01	Pass
EGPRS	PCS 1900	GMSK	Class8	1909.8	27.66	0.6	28.26	33.01	Pass
EGPRS	PCS 1900	GMSK	Class10	1909.8	28.06	0.6	28.66	33.01	Pass
EGPRS	PCS 1900	GMSK	Class11	1909.8	28.51	0.6	29.11	33.01	Pass
EGPRS	PCS 1900	GMSK	Class12	1909.8	28.66	0.6	29.26	33.01	Pass
EGPRS	PCS 1900	8PSK	Class8	1909.8	27.87	0.6	28.47	33.01	Pass
EGPRS	PCS 1900	8PSK	Class10	1909.8	28.13	0.6	28.73	33.01	Pass
EGPRS	PCS 1900	8PSK	Class11	1909.8	28.41	0.6	29.01	33.01	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.8	27.61	0.6	28.21	33.01	Pass

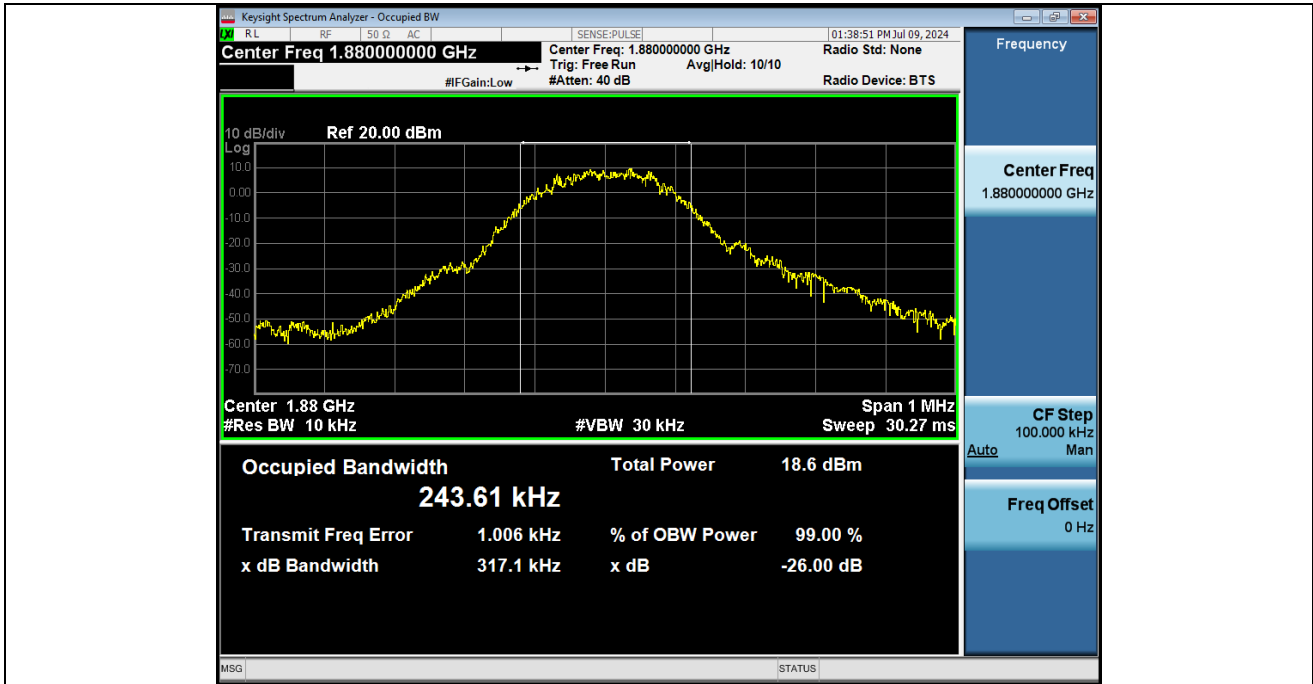
EIRP = Conducted Power + ANT Gain

2. Occupied Bandwidth

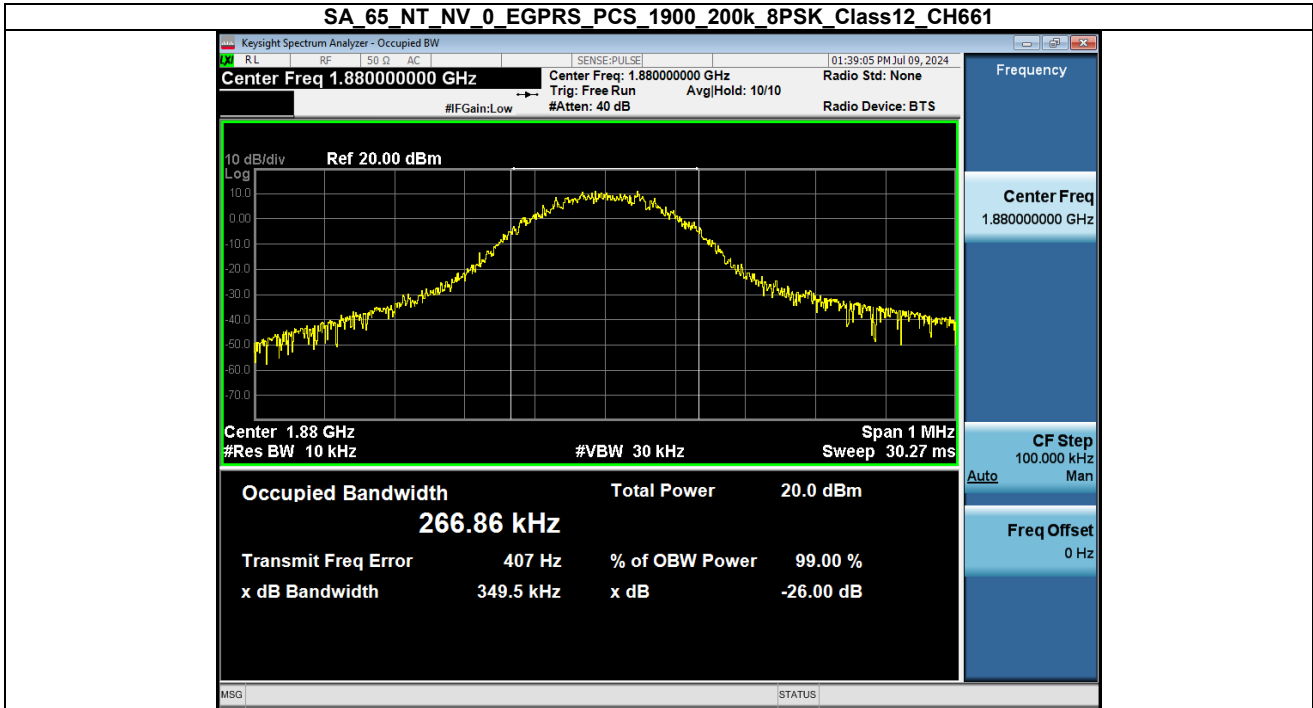
Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	OBW(MHz)	26EBW(MHz)
NVNT	EGPRS	PCS 1900	GMSK	Class12	1850.2	0.2494	0.3210
NVNT	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.2745	0.3554
NVNT	EGPRS	PCS 1900	GMSK	Class12	1880.0	0.2436	0.3171
NVNT	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.2670	0.3495
NVNT	EGPRS	PCS 1900	GMSK	Class12	1909.8	0.2446	0.3150
NVNT	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.2630	0.3370



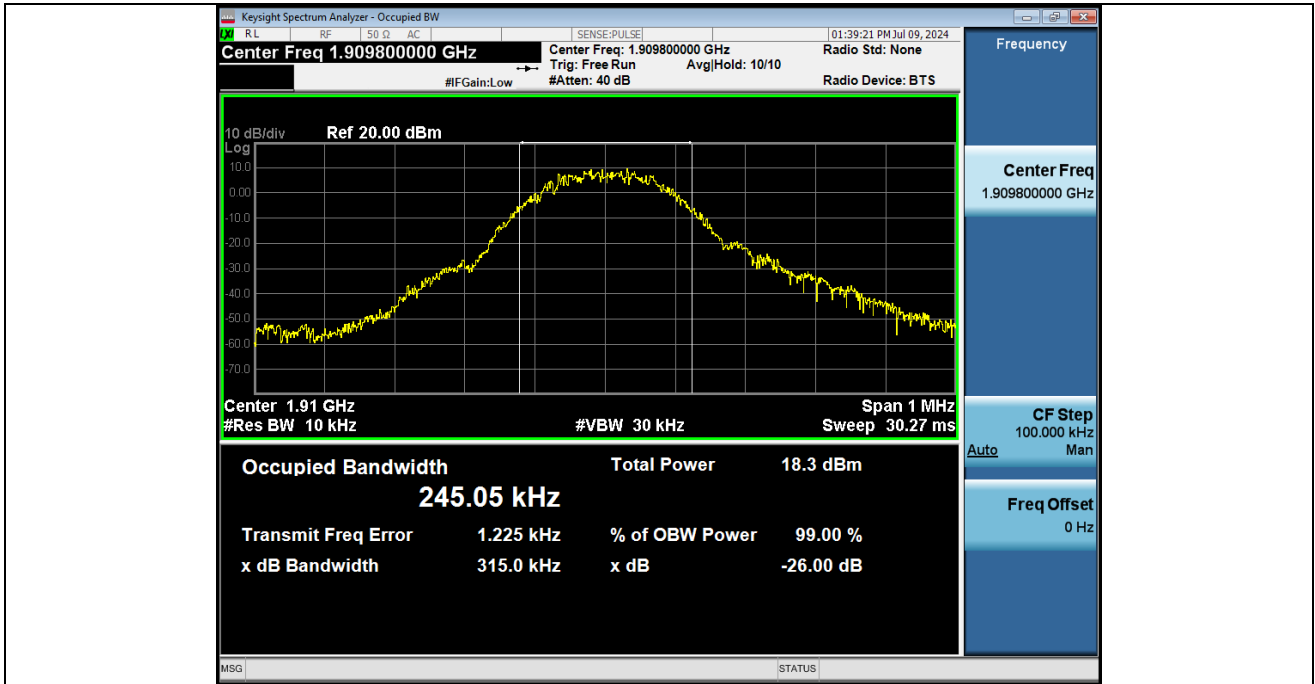
SA_65_NT_NV_0_EGPRS_PCS_1900_200k_GMSK_Class12_CH661



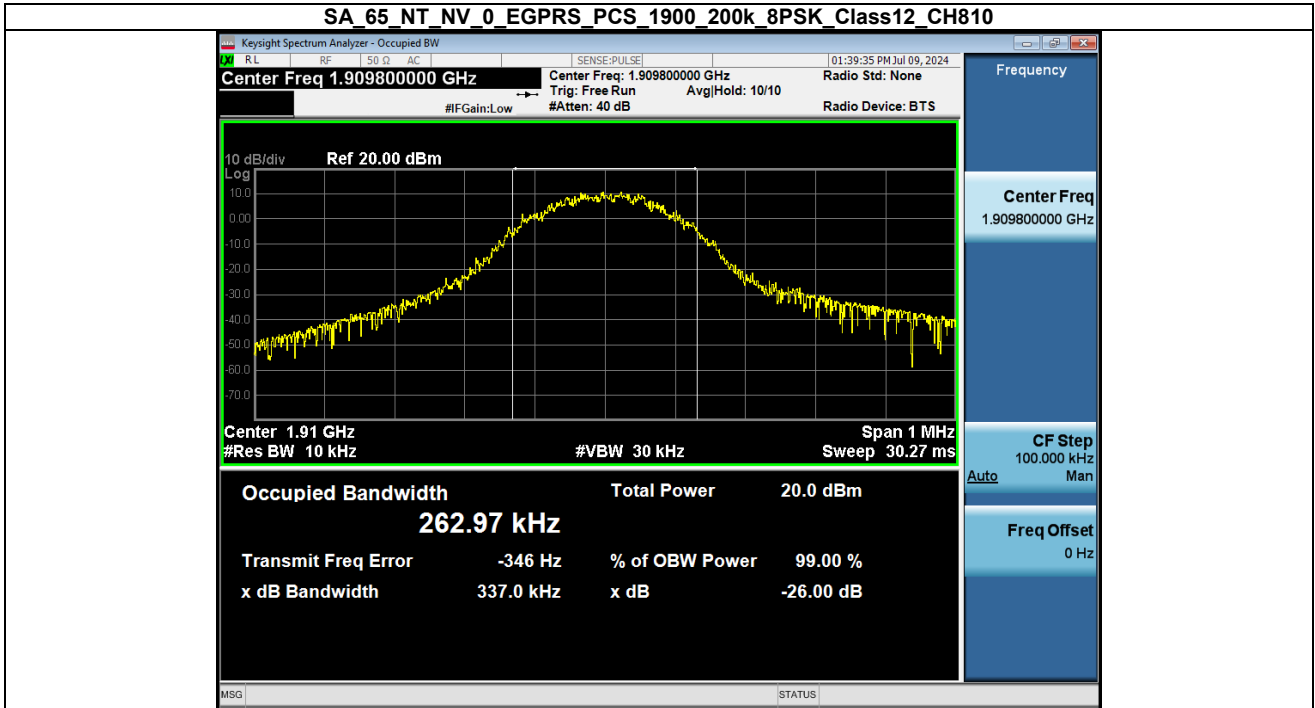
SA_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH661



SA_65_NT_NV_0_EGPRS_PCS_1900_200k_GMSK_Class12_CH810

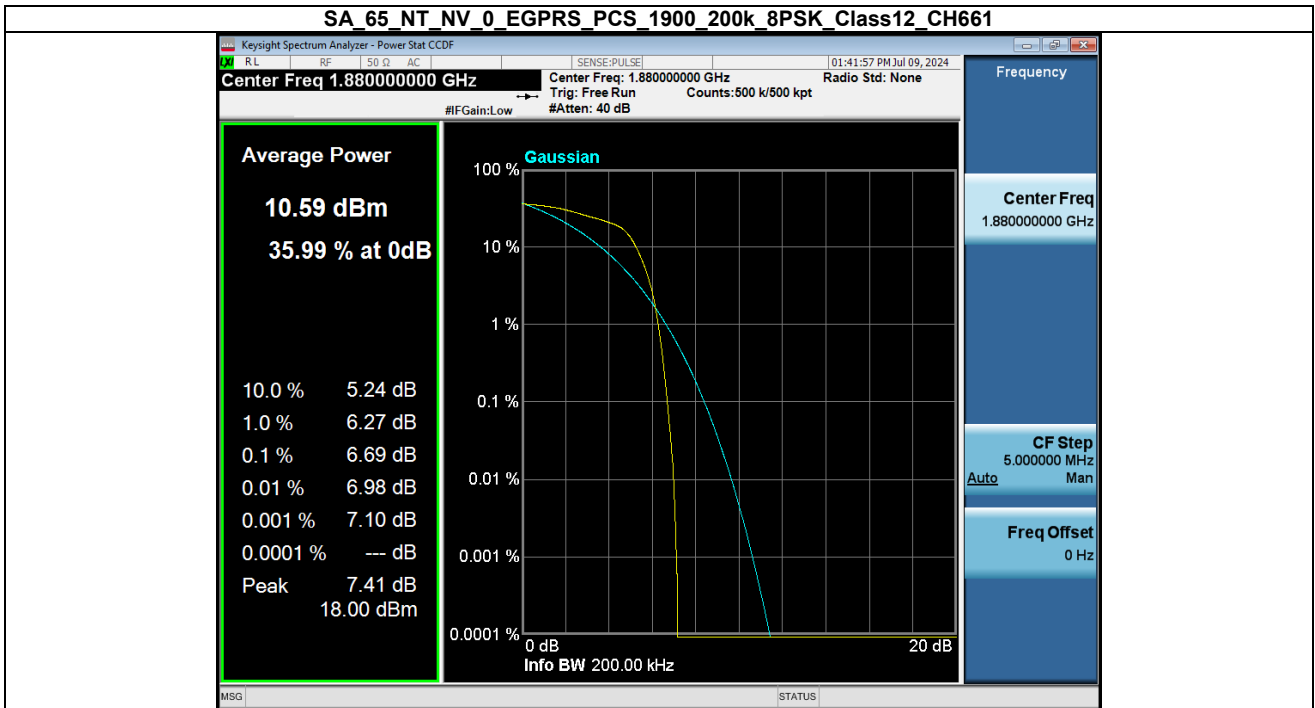
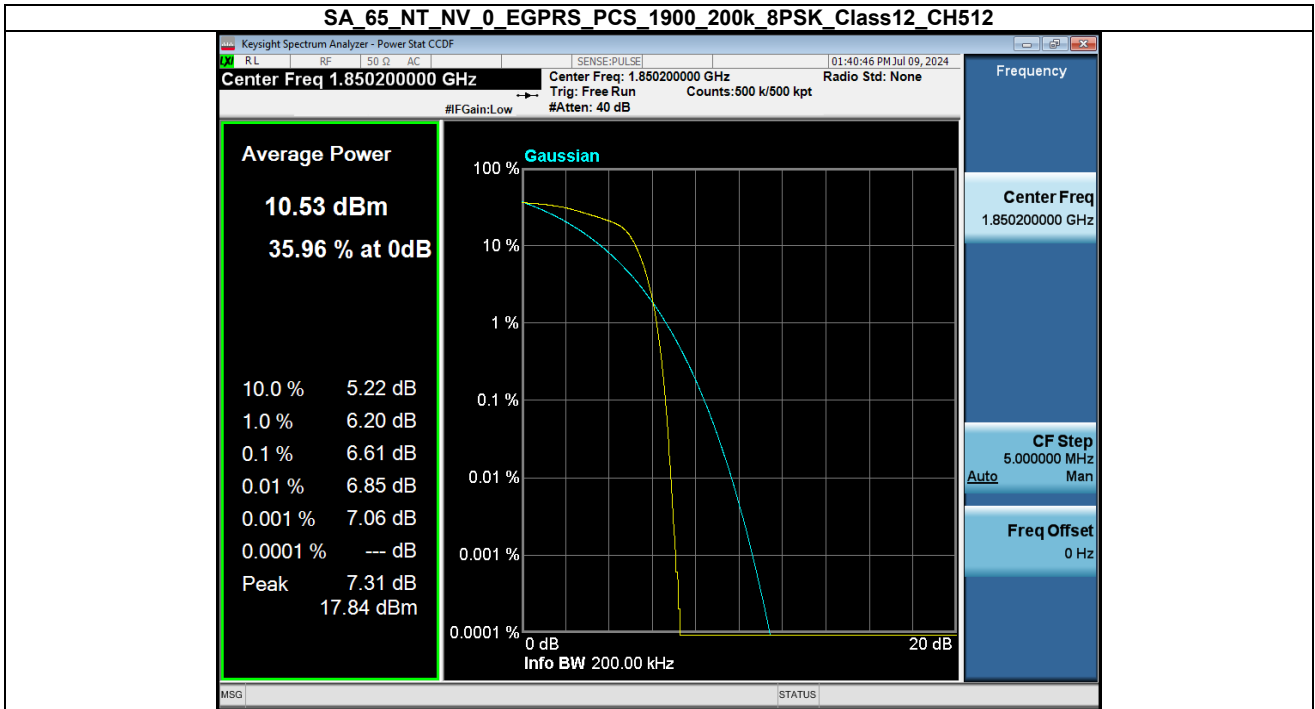


SA_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH810

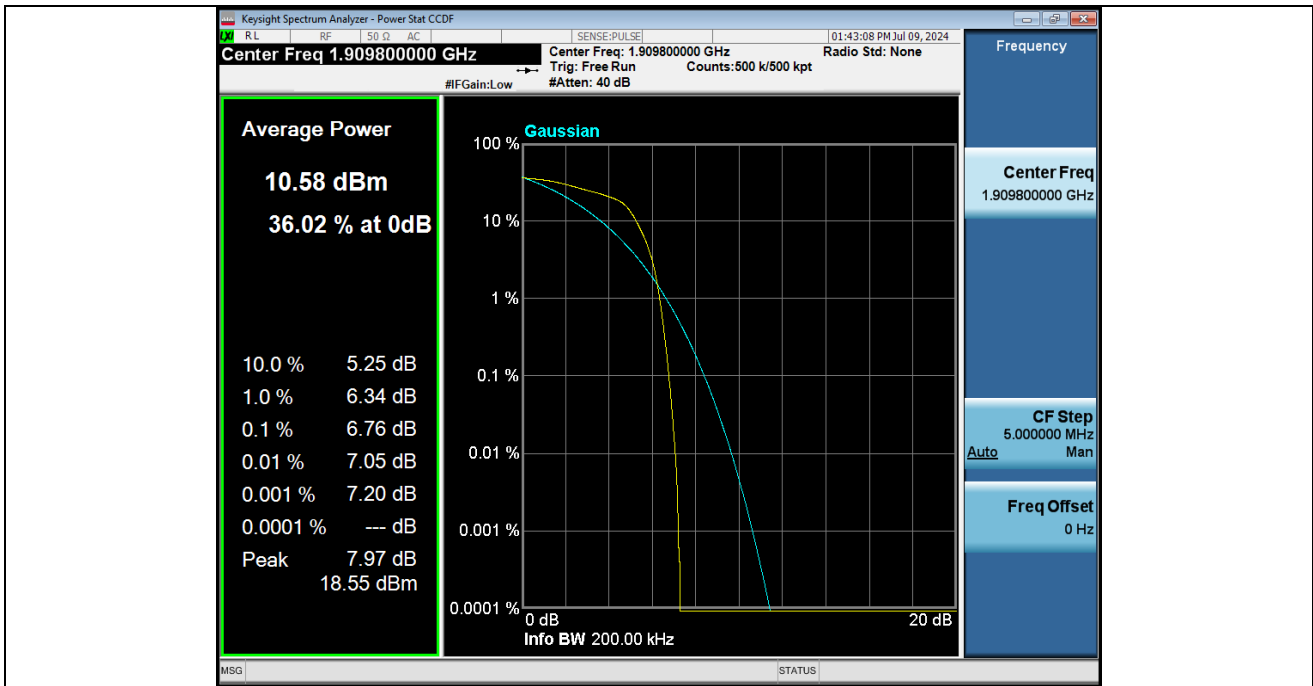


3. Peak to Average Ratio

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	6.61	13.00	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1880.0	6.69	13.00	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1909.8	6.76	13.00	Pass

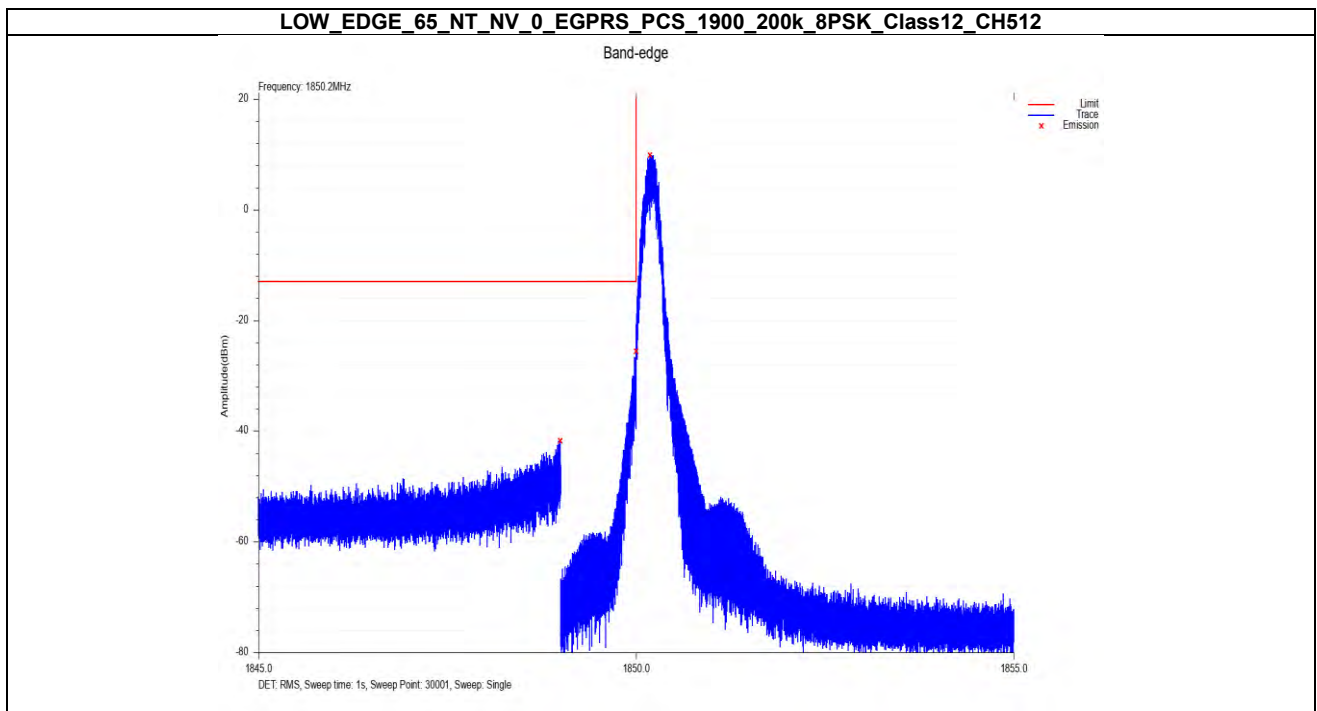


SA_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH810



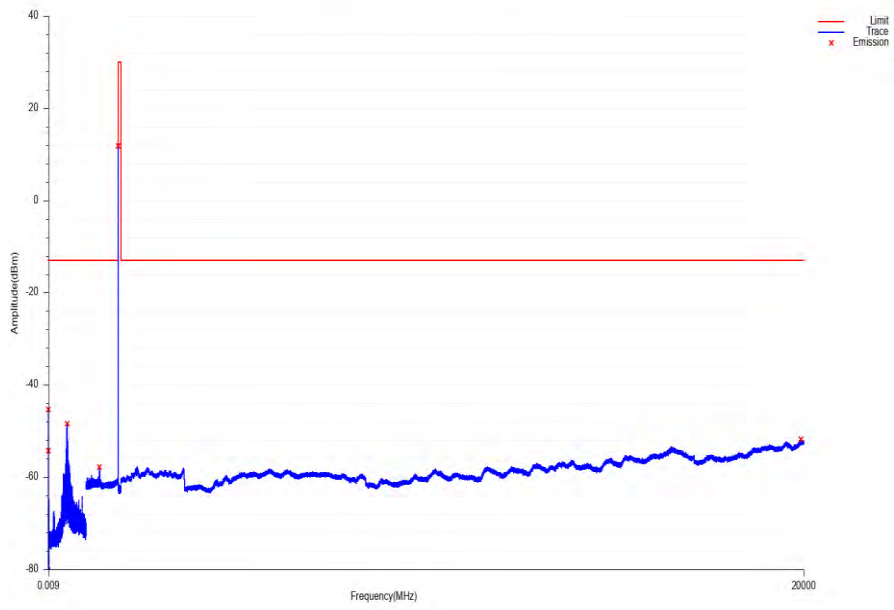
4. Unwanted Spurious Emission

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	1848.997	-41.72	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.20	3	1849.0~1850.0	1849.998	-25.51	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.20	1	0.009~0.150	0.099	-54.27	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.20	10	0.150~30.000	3.748	-45.39	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.20	100	30.000~1000.000	497.443	-48.35	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.20	1000	1000.000~1845.000	1352.872	-57.87	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.20	1000	1915.000~20000.000	19925.852	-51.80	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1880.00	1	0.009~0.150	0.099	-54.49	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1880.00	10	0.150~30.000	3.698	-44.27	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1880.00	100	30.000~1000.000	497.217	-47.25	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1880.00	1000	1000.000~1845.000	1383.715	-57.72	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1880.00	1000	1915.000~20000.000	19923.440	-52.03	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	3	1910.0~1911.0	1910.009	-27.72	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	1000	1911.0~1915.0	1911.017	-34.62	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	1	0.009~0.150	0.099	-53.84	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	10	0.150~30.000	3.675	-44.14	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	100	30.000~1000.000	496.893	-48.21	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	1000	1000.000~1845.000	1419.627	-58.15	-13	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.80	1000	1915.000~20000.000	19910.178	-51.93	-13	Pass



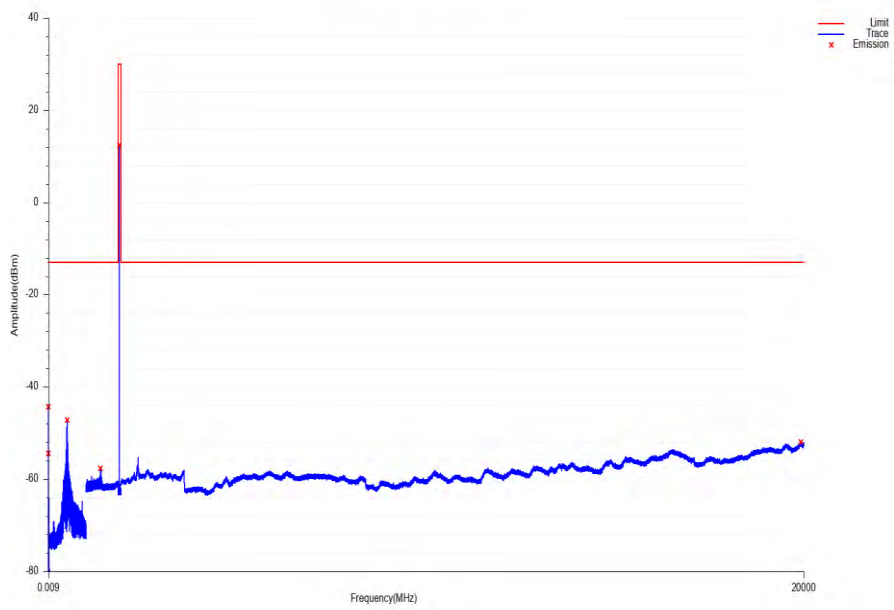
SA_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH512

Unwanted spurious emissions

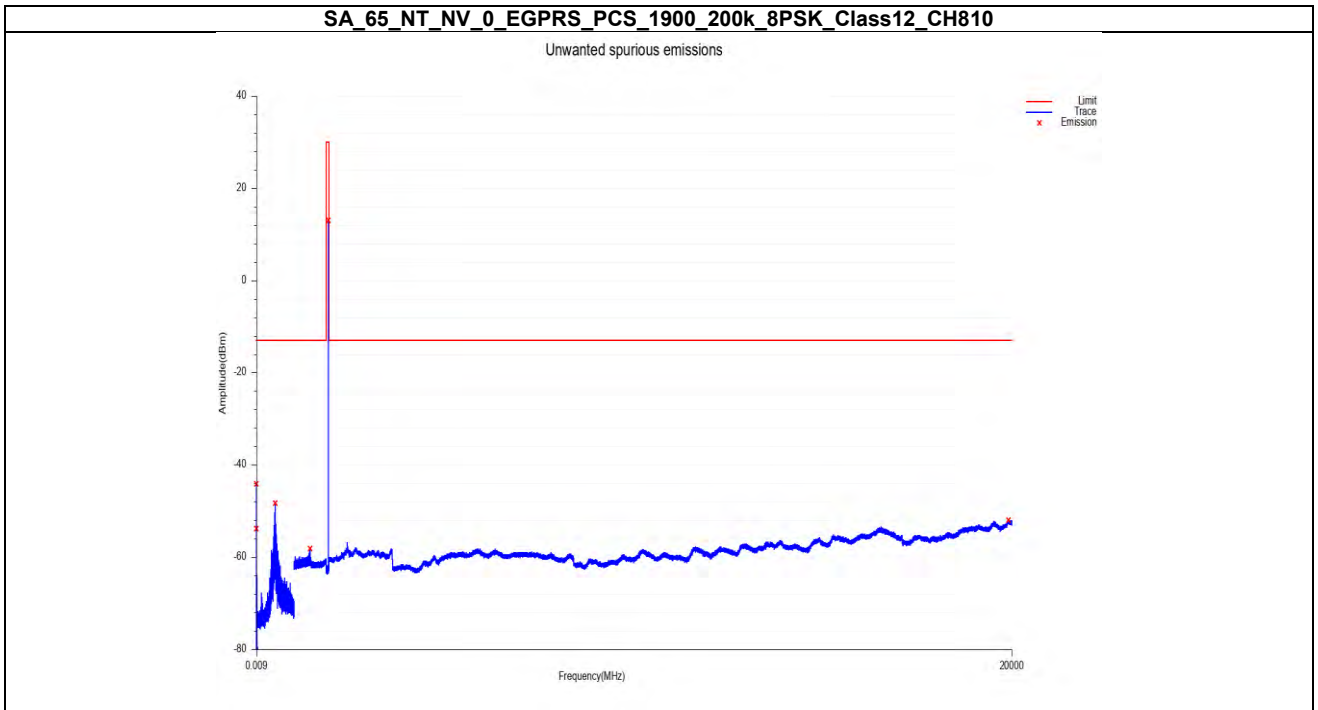
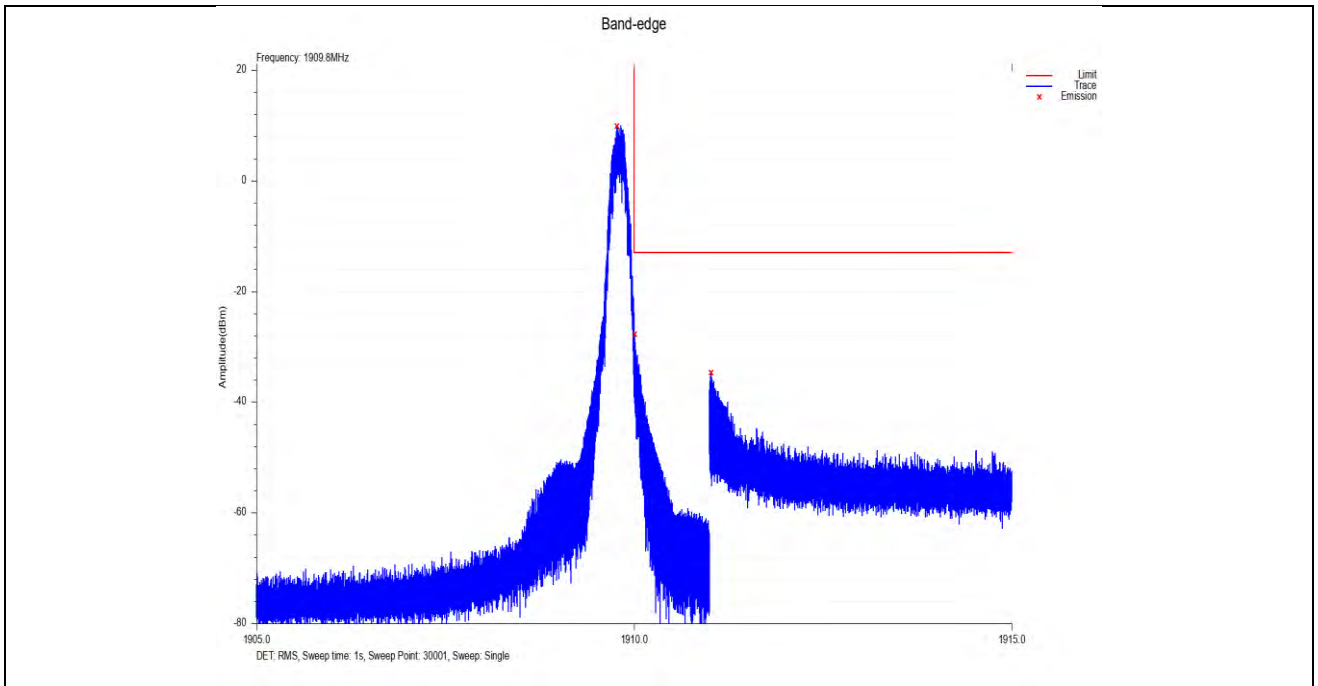


SA_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH661

Unwanted spurious emissions



UPPER_EDGE_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH810



5. Frequency Stability

Temperature (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	0.0024	-2.50	2.50	Pass
-30	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0042	-2.50	2.50	Pass
-30	3.6	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0071	-2.50	2.50	Pass
-30	3.6	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0043	-2.50	2.50	Pass
-30	3.6	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0085	-2.50	2.50	Pass
-30	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0037	-2.50	2.50	Pass
-30	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0028	-2.50	2.50	Pass
-30	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0042	-2.50	2.50	Pass
-20	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0025	-2.50	2.50	Pass
-20	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0018	-2.50	2.50	Pass
-20	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0078	-2.50	2.50	Pass
-20	3.6	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0044	-2.50	2.50	Pass
-20	3.6	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0050	-2.50	2.50	Pass
-20	3.6	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0035	-2.50	2.50	Pass
-20	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0012	-2.50	2.50	Pass
-20	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0065	-2.50	2.50	Pass
-20	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0047	-2.50	2.50	Pass
-10	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0055	-2.50	2.50	Pass
-10	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0029	-2.50	2.50	Pass
-10	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0077	-2.50	2.50	Pass
-10	3.6	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0022	-2.50	2.50	Pass
-10	3.6	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0026	-2.50	2.50	Pass
-10	3.6	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0032	-2.50	2.50	Pass
-10	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0033	-2.50	2.50	Pass
-10	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0059	-2.50	2.50	Pass
-10	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0044	-2.50	2.50	Pass
0	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0009	-2.50	2.50	Pass
0	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0044	-2.50	2.50	Pass
0	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0044	-2.50	2.50	Pass
0	3.6	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0030	-2.50	2.50	Pass
0	3.6	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0023	-2.50	2.50	Pass
0	3.6	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0064	-2.50	2.50	Pass
0	4.2	EGPRS	PCS	8PSK	Class12	1850.2	0.0043	-2.50	2.50	Pass

			1900							
0	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0040	-2.50	2.50	Pass
0	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0063	-2.50	2.50	Pass
10	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0021	-2.50	2.50	Pass
10	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0066	-2.50	2.50	Pass
10	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0040	-2.50	2.50	Pass
10	3.6	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0063	-2.50	2.50	Pass
10	3.6	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0052	-2.50	2.50	Pass
10	3.6	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0045	-2.50	2.50	Pass
10	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0025	-2.50	2.50	Pass
10	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0039	-2.50	2.50	Pass
10	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0064	-2.50	2.50	Pass
20	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0027	-2.50	2.50	Pass
20	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0061	-2.50	2.50	Pass
20	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0046	-2.50	2.50	Pass
20	3.6	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0031	-2.50	2.50	Pass
20	3.6	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0060	-2.50	2.50	Pass
20	3.6	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0043	-2.50	2.50	Pass
20	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0053	-2.50	2.50	Pass
20	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0004	-2.50	2.50	Pass
20	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0033	-2.50	2.50	Pass
30	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0025	-2.50	2.50	Pass
30	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0067	-2.50	2.50	Pass
30	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0057	-2.50	2.50	Pass
30	3.6	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0039	-2.50	2.50	Pass
30	3.6	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0071	-2.50	2.50	Pass
30	3.6	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0039	-2.50	2.50	Pass
30	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0041	-2.50	2.50	Pass
30	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0089	-2.50	2.50	Pass
30	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0054	-2.50	2.50	Pass
40	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0071	-2.50	2.50	Pass
40	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0016	-2.50	2.50	Pass
40	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0038	-2.50	2.50	Pass
40	3.6	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0045	-2.50	2.50	Pass
40	3.6	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0047	-2.50	2.50	Pass
40	3.6	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0046	-2.50	2.50	Pass
40	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0027	-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	0.0037	-2.50	2.50	Pass

50	3.3	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0030	-2.50	2.50	Pass
50	3.3	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0024	-2.50	2.50	Pass
50	3.3	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0028	-2.50	2.50	Pass
50	3.6	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0037	-2.50	2.50	Pass
50	3.6	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0047	-2.50	2.50	Pass
50	3.6	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0070	-2.50	2.50	Pass
50	4.2	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0004	-2.50	2.50	Pass
50	4.2	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0023	-2.50	2.50	Pass
50	4.2	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0035	-2.50	2.50	Pass