

EGPRS 1900 Test Data

FCC ID: 2BQHT-TAB-T104-6

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	12

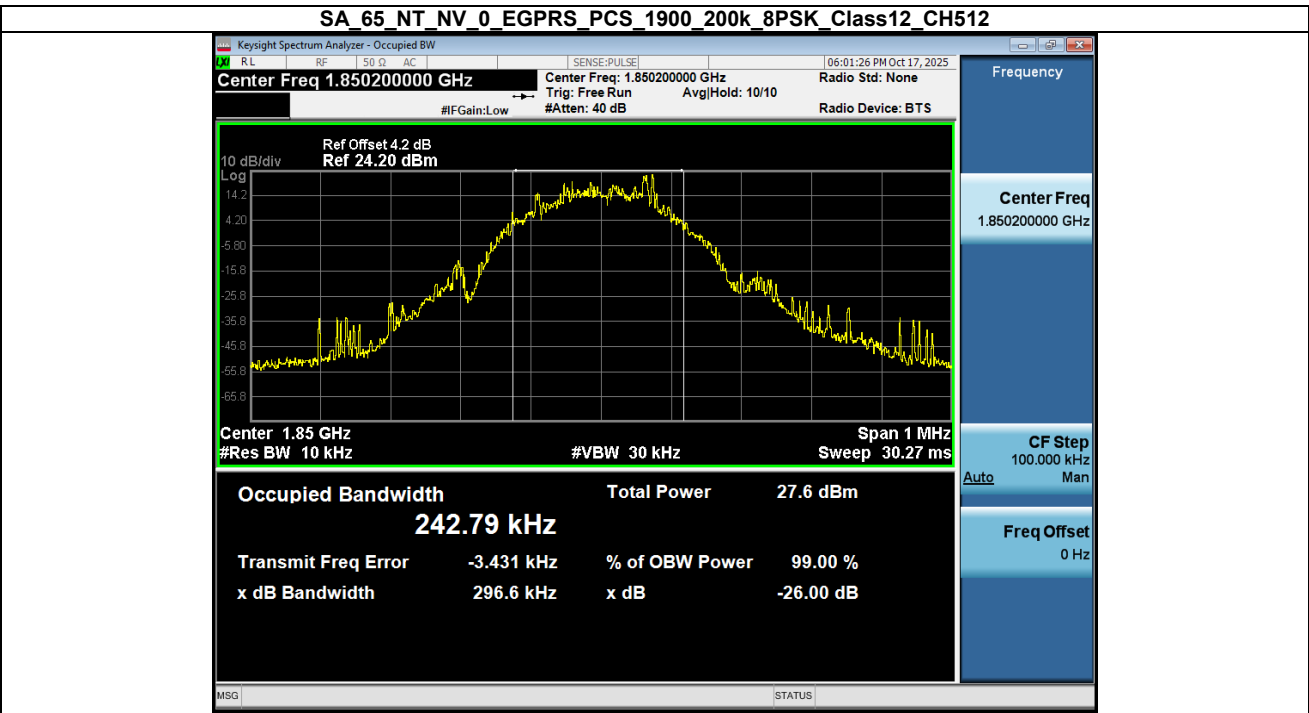
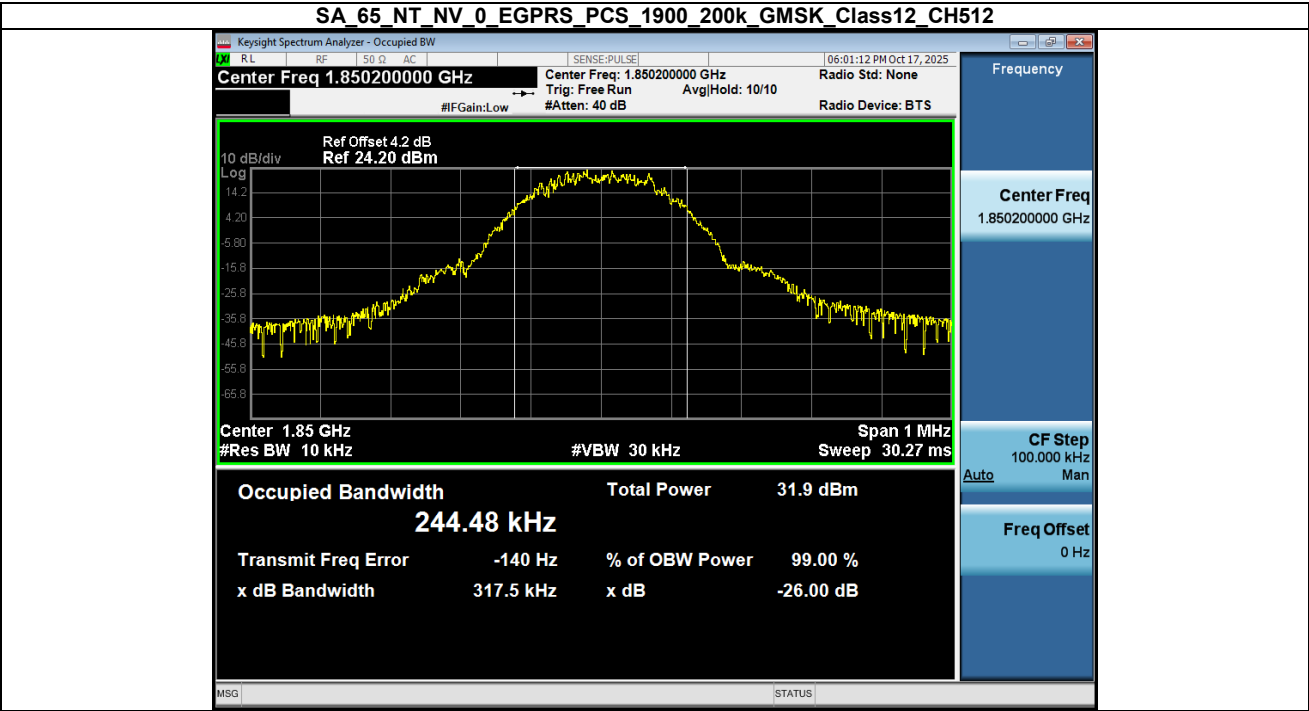
1. Conducted Output Power&&EIRP/ERP

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	29.12	2.16	31.28	33.01	Pass
EGPRS	PCS 1900	GMSK	Class10	1850.2	27.10	2.16	29.26	33.01	Pass
EGPRS	PCS 1900	GMSK	Class11	1850.2	29.97	2.16	32.13	33.01	Pass
EGPRS	PCS 1900	GMSK	Class12	1850.2	29.20	2.16	31.36	33.01	Pass
EGPRS	PCS 1900	8PSK	Class8	1850.2	28.68	2.16	30.84	33.01	Pass
EGPRS	PCS 1900	8PSK	Class10	1850.2	27.52	2.16	29.68	33.01	Pass
EGPRS	PCS 1900	8PSK	Class11	1850.2	28.80	2.16	30.96	33.01	Pass
EGPRS	PCS 1900	8PSK	Class12	1850.2	28.36	2.16	30.52	33.01	Pass
EGPRS	PCS 1900	GMSK	Class8	1880.0	28.75	2.16	30.91	33.01	Pass
EGPRS	PCS 1900	GMSK	Class10	1880.0	28.64	2.16	30.80	33.01	Pass
EGPRS	PCS 1900	GMSK	Class11	1880.0	29.96	2.16	32.12	33.01	Pass
EGPRS	PCS 1900	GMSK	Class12	1880.0	29.25	2.16	31.41	33.01	Pass
EGPRS	PCS 1900	8PSK	Class8	1880.0	28.01	2.16	30.17	33.01	Pass
EGPRS	PCS 1900	8PSK	Class10	1880.0	28.70	2.16	30.86	33.01	Pass
EGPRS	PCS 1900	8PSK	Class11	1880.0	28.25	2.16	30.41	33.01	Pass
EGPRS	PCS 1900	8PSK	Class12	1880.0	28.08	2.16	30.24	33.01	Pass
EGPRS	PCS 1900	GMSK	Class8	1909.8	27.22	2.16	29.38	33.01	Pass
EGPRS	PCS 1900	GMSK	Class10	1909.8	28.53	2.16	30.69	33.01	Pass
EGPRS	PCS 1900	GMSK	Class11	1909.8	29.57	2.16	31.73	33.01	Pass
EGPRS	PCS 1900	GMSK	Class12	1909.8	28.78	2.16	30.94	33.01	Pass
EGPRS	PCS 1900	8PSK	Class8	1909.8	28.29	2.16	30.45	33.01	Pass
EGPRS	PCS 1900	8PSK	Class10	1909.8	27.13	2.16	29.29	33.01	Pass
EGPRS	PCS 1900	8PSK	Class11	1909.8	27.94	2.16	30.10	33.01	Pass
EGPRS	PCS 1900	8PSK	Class12	1909.8	27.23	2.16	29.39	33.01	Pass

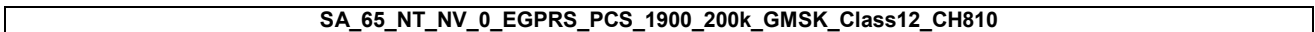
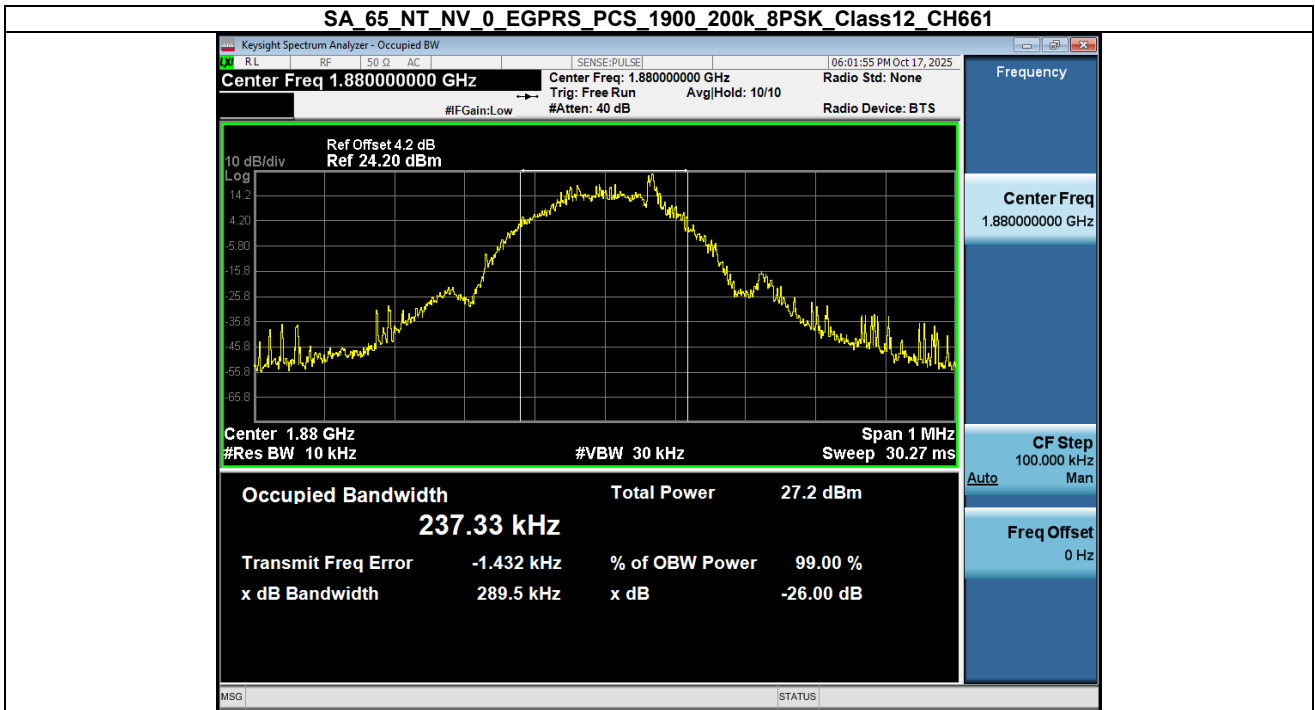
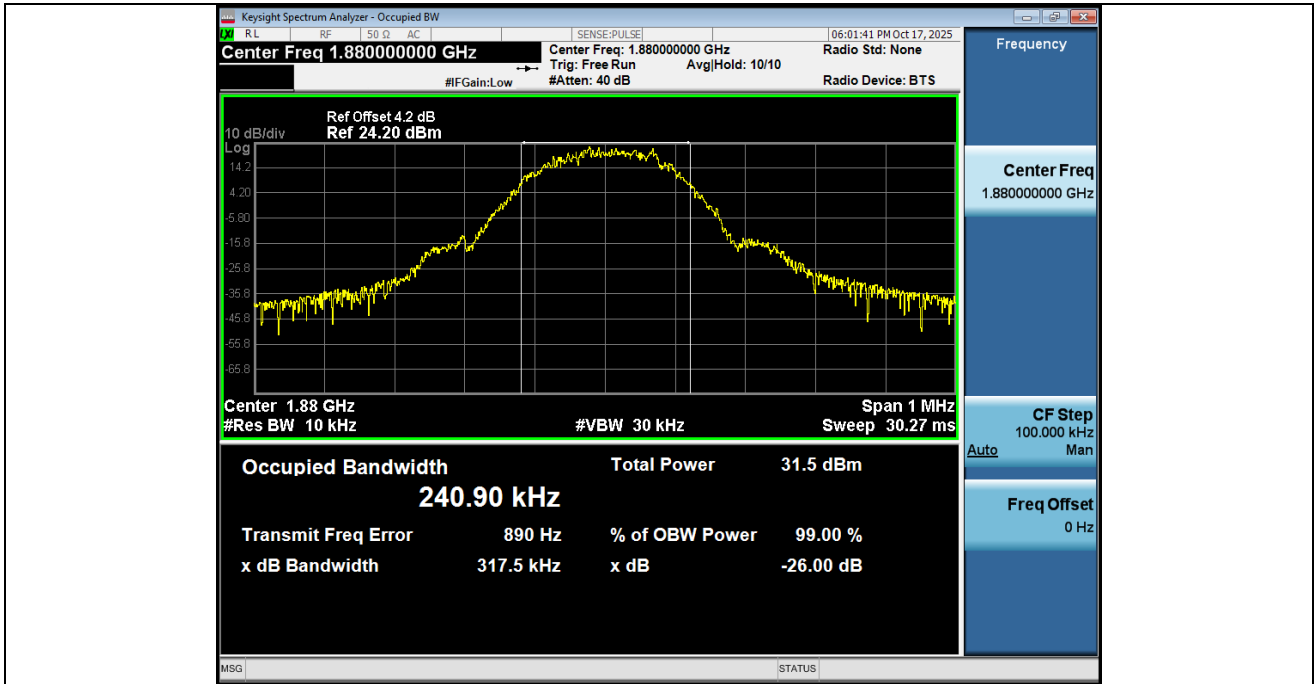
EIRP = Conducted Power + ANT Gain

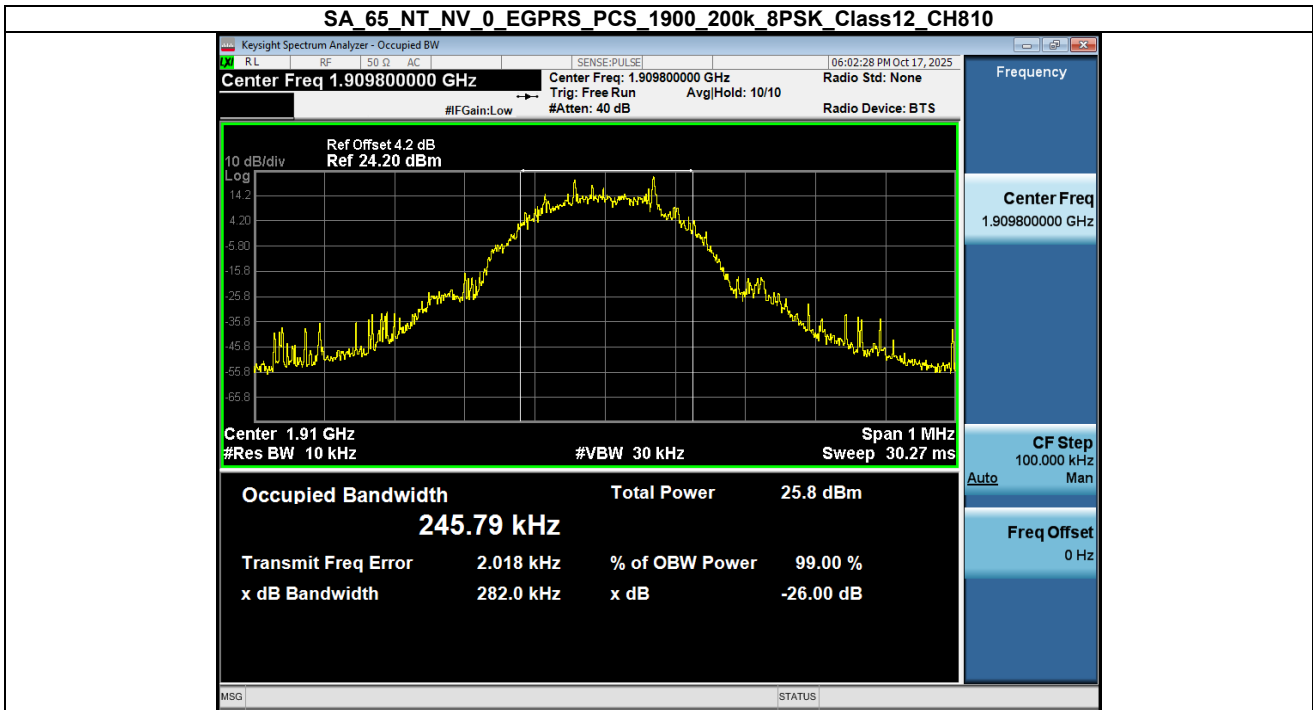
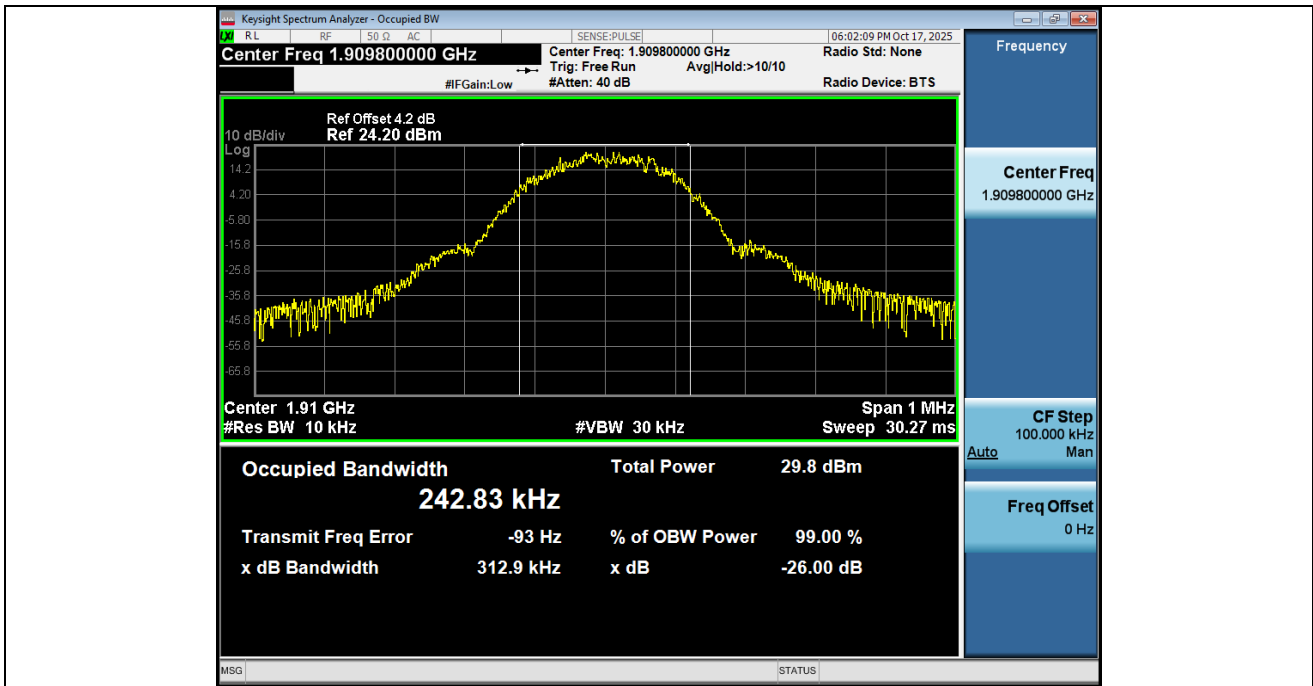
2. Occupied Bandwidth

Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	OBW(MHz)	26EBW(MHz)
NVNT	EGPRS	PCS 1900	GMSK	Class12	1850.2	0.2445	0.3175
NVNT	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.2428	0.2966
NVNT	EGPRS	PCS 1900	GMSK	Class12	1880.0	0.2409	0.3175
NVNT	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.2373	0.2895
NVNT	EGPRS	PCS 1900	GMSK	Class12	1909.8	0.2439	0.3129
NVNT	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.2458	0.2820



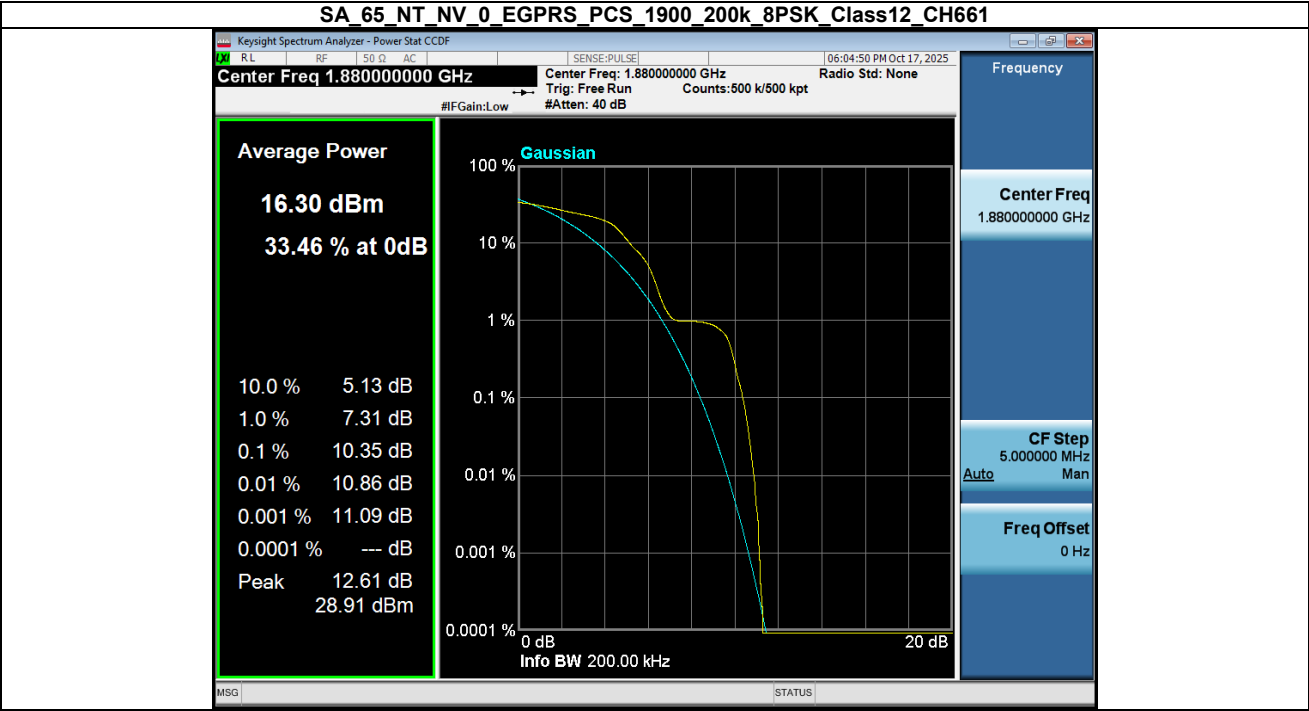
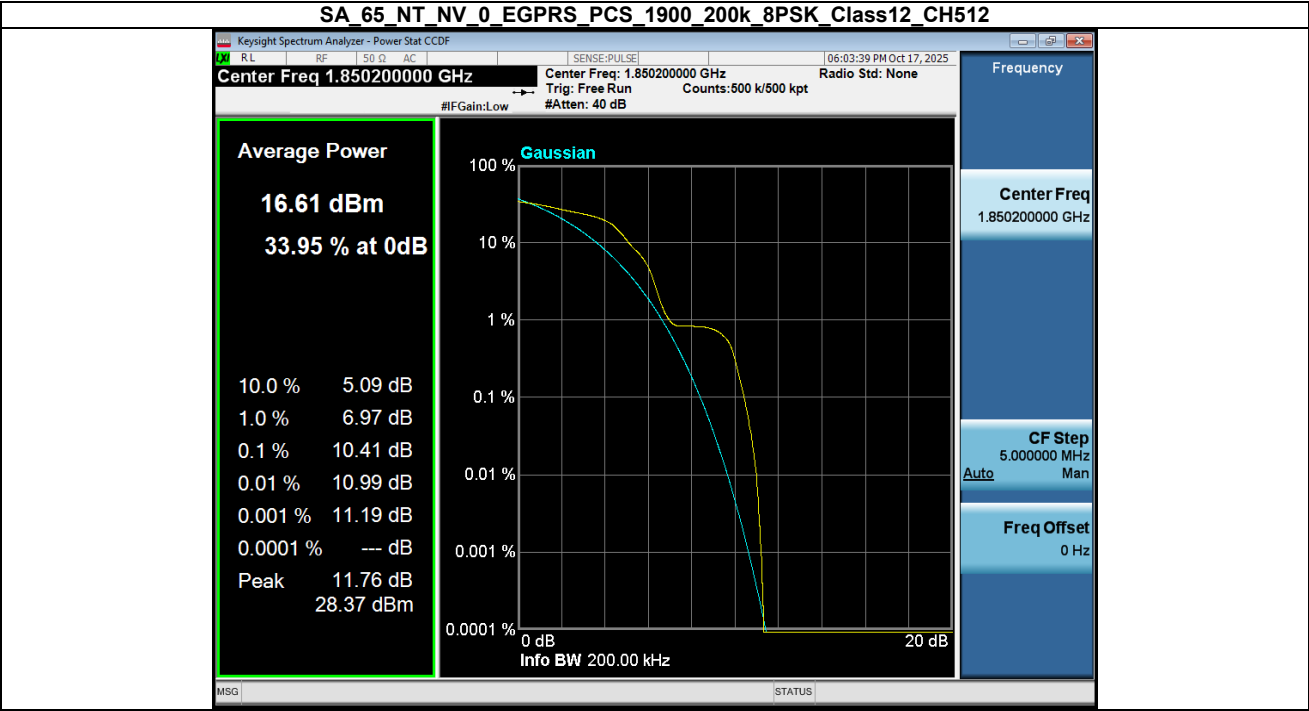
SA_65_NT_NV_0_EGPRS_PCS_1900_200k_GMSK_Class12_CH661



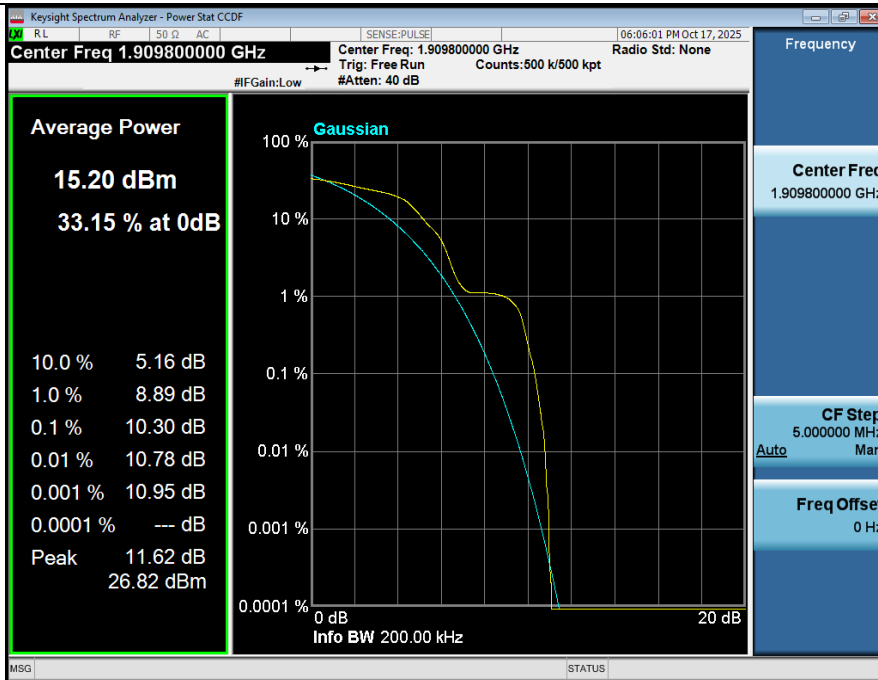


3. Peak to Average Ratio

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	10.41	13.00	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1880.0	10.35	13.00	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1909.8	10.30	13.00	Pass



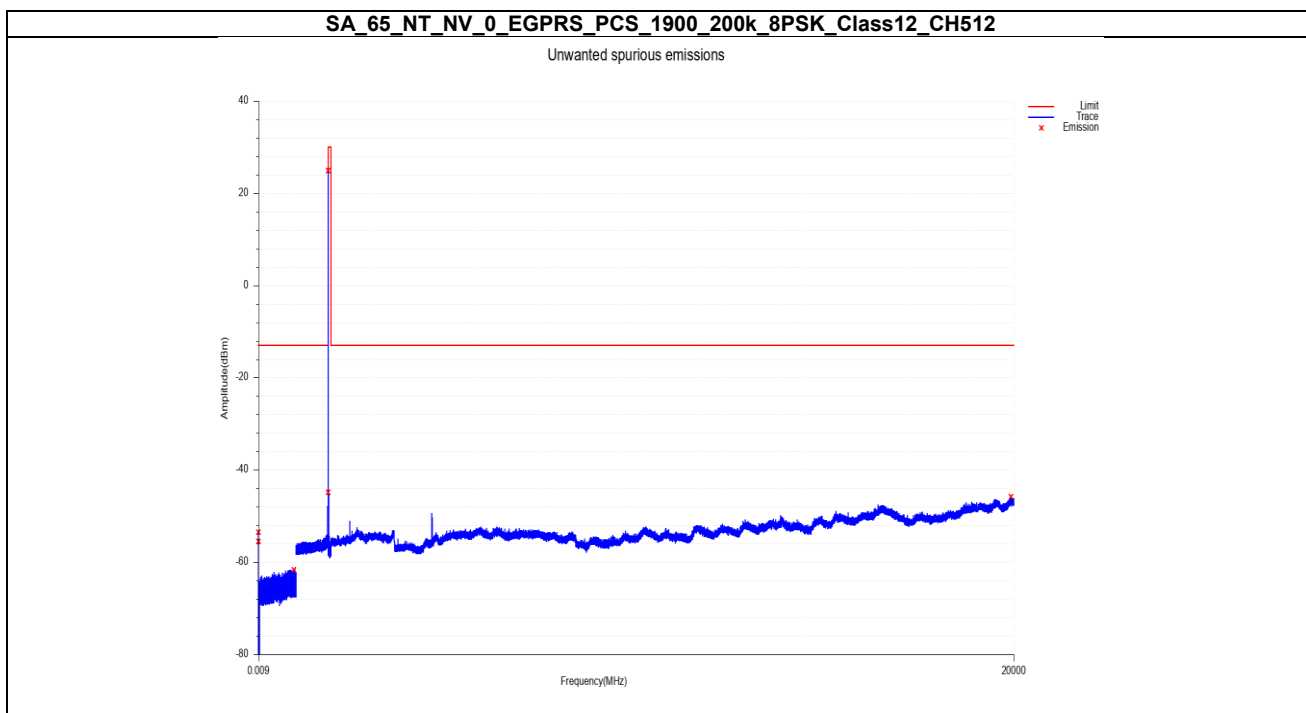
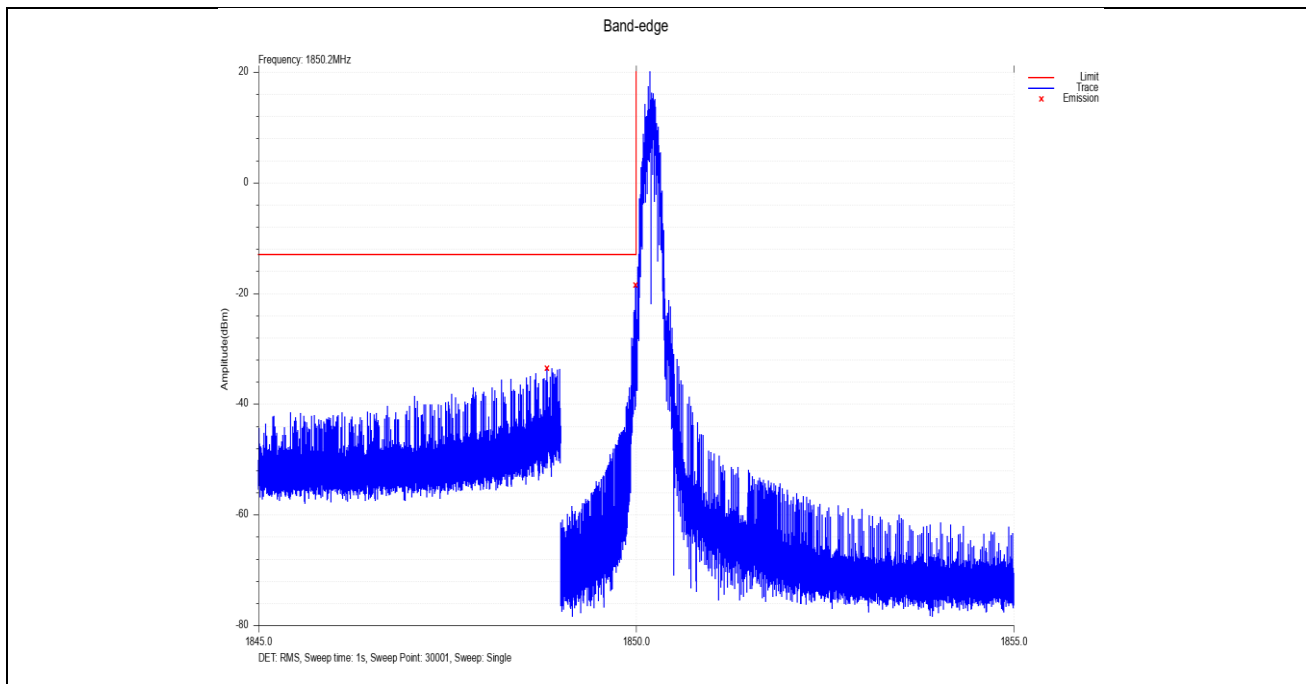
SA_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH810



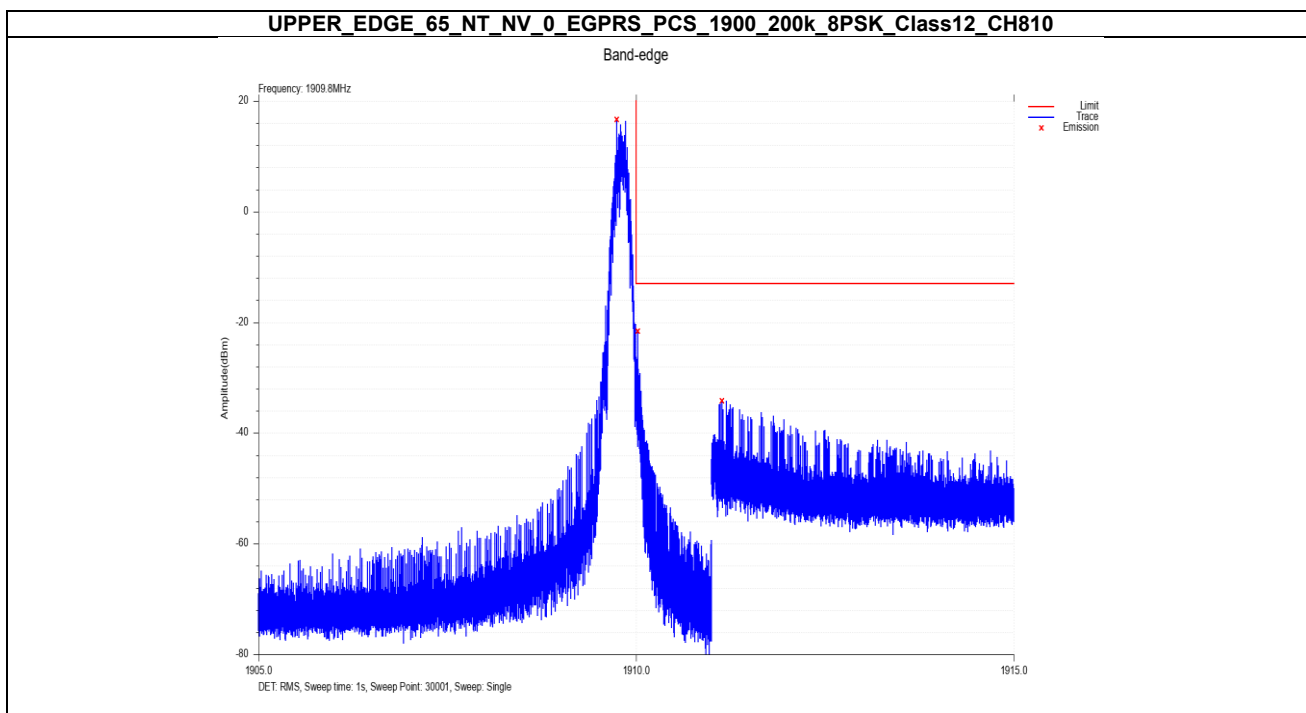
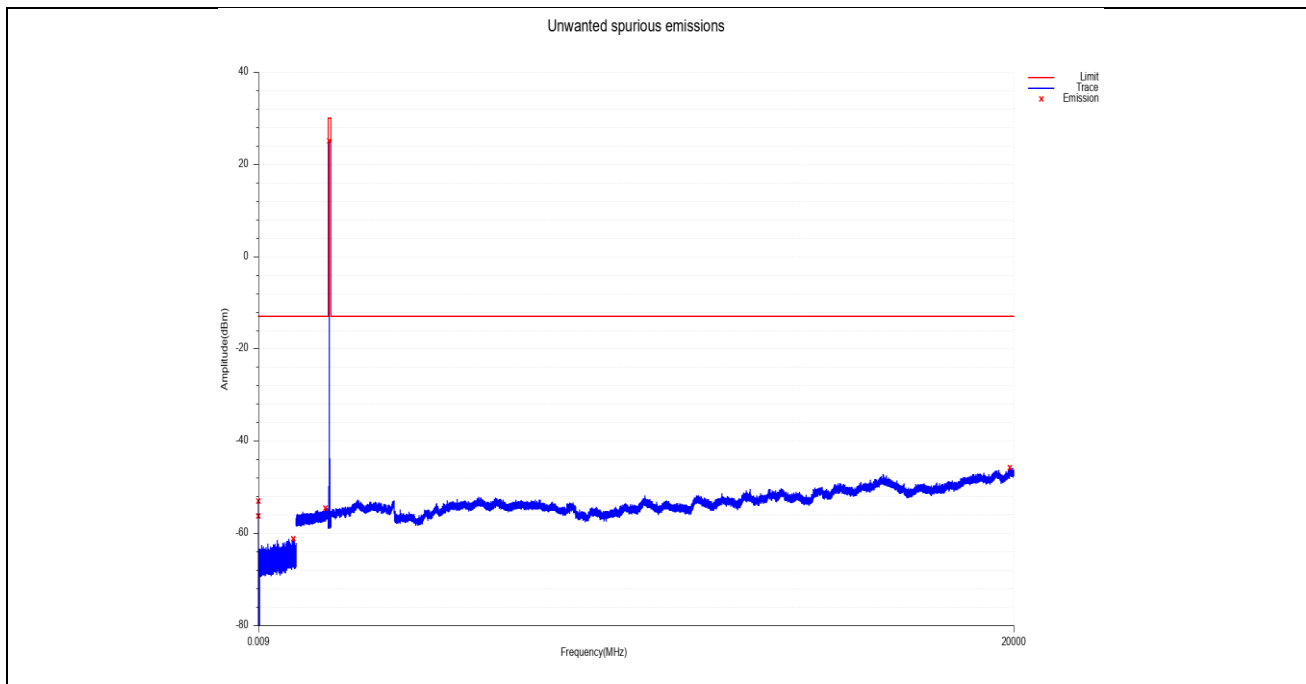
4. Unwanted Spurious Emission

Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	RBW(kHz)	Test Freq Range(MHz)	Spur Freq (MHz)	Spur Level(dBm)	Limit(dBm)	Result
NVNT	EGPRS	PCS 1900	8PSK	Class12	1850.20	1000	1845.0~1849.0	1848.823	-33.57	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1850.20	3	1849.0~1850.0	1849.996	-18.54	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1850.20	1	0.009~0.150	0.098	-53.51	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1850.20	10	0.150~30.000	0.172	-55.51	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1850.20	100	30.000~1000.000	932.714	-61.61	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1850.20	1000	1000.000~1845.000	1843.028	-44.95	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1850.20	1000	1915.000~20000.000	19928.866	-45.87	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1880.00	1	0.009~0.150	0.010	-53.11	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1880.00	10	0.150~30.000	0.199	-56.34	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1880.00	100	30.000~1000.000	923.435	-61.24	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1880.00	1000	1000.000~1845.000	1772.076	-54.59	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1880.00	1000	1915.000~20000.000	19901.135	-45.77	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1909.80	3	1910.0~1911.0	1910.021	-21.61	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1909.80	1000	1911.0~1915.0	1911.136	-34.18	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1909.80	1	0.009~0.150	0.098	-53.63	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1909.80	10	0.150~30.000	0.194	-56.78	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1909.80	100	30.000~1000.000	997.122	-60.96	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1909.80	1000	1000.000~1845.000	1843.423	-54.50	-13	Pass
NVNT	EGPRS	PCS 1900	8PSK	Class12	1909.80	1000	1915.000~20000.000	19942.128	-45.86	-13	Pass

LOW_EDGE_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH512

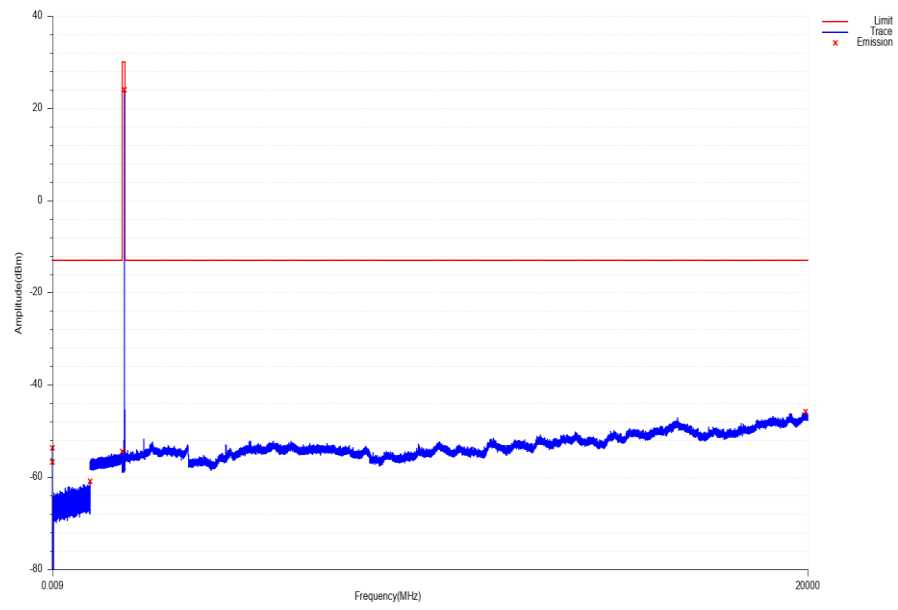


SA_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH661



SA_65_NT_NV_0_EGPRS_PCS_1900_200k_8PSK_Class12_CH810

Unwanted spurious emissions



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	3.47	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0049	-2.50	2.50	Pass
-30	3.47	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0051	-2.50	2.50	Pass
-30	3.47	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0054	-2.50	2.50	Pass
-30	3.85	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0053	-2.50	2.50	Pass
-30	3.85	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0079	-2.50	2.50	Pass
-30	3.85	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0097	-2.50	2.50	Pass
-30	4.24	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0044	-2.50	2.50	Pass
-30	4.24	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0071	-2.50	2.50	Pass
-30	4.24	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0060	-2.50	2.50	Pass
-20	3.47	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0059	-2.50	2.50	Pass
-20	3.47	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0053	-2.50	2.50	Pass
-20	3.47	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0072	-2.50	2.50	Pass
-20	3.85	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0081	-2.50	2.50	Pass
-20	3.85	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0008	-2.50	2.50	Pass
-20	3.85	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0031	-2.50	2.50	Pass
-20	4.24	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0048	-2.50	2.50	Pass
-20	4.24	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0038	-2.50	2.50	Pass
-20	4.24	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0015	-2.50	2.50	Pass
-10	3.47	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0093	-2.50	2.50	Pass
-10	3.47	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0029	-2.50	2.50	Pass
-10	3.47	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0081	-2.50	2.50	Pass
-10	3.85	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0027	-2.50	2.50	Pass
-10	3.85	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0042	-2.50	2.50	Pass
-10	3.85	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0061	-2.50	2.50	Pass
-10	4.24	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0014	-2.50	2.50	Pass
-10	4.24	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0079	-2.50	2.50	Pass
-10	4.24	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0036	-2.50	2.50	Pass
0	3.47	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0018	-2.50	2.50	Pass
0	3.47	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0006	-2.50	2.50	Pass
0	3.47	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0011	-2.50	2.50	Pass
0	3.85	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0025	-2.50	2.50	Pass
0	3.85	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0022	-2.50	2.50	Pass
0	3.85	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0025	-2.50	2.50	Pass
0	4.24	EGPRS	PCS	8PSK	Class12	1850.2	0.0022	-2.50	2.50	Pass

			1900							
0	4.24	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0034	-2.50	2.50	Pass
0	4.24	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0065	-2.50	2.50	Pass
10	3.47	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0038	-2.50	2.50	Pass
10	3.47	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0019	-2.50	2.50	Pass
10	3.47	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0078	-2.50	2.50	Pass
10	3.85	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0048	-2.50	2.50	Pass
10	3.85	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0068	-2.50	2.50	Pass
10	3.85	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0002	-2.50	2.50	Pass
10	4.24	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0004	-2.50	2.50	Pass
10	4.24	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0056	-2.50	2.50	Pass
10	4.24	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0064	-2.50	2.50	Pass
20	3.47	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0055	-2.50	2.50	Pass
20	3.47	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0001	-2.50	2.50	Pass
20	3.47	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0081	-2.50	2.50	Pass
20	3.85	EGPRS	PCS 1900	8PSK	Class12	1850.2	-0.0015	-2.50	2.50	Pass
20	3.85	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0051	-2.50	2.50	Pass
20	3.85	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0035	-2.50	2.50	Pass
20	4.24	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0067	-2.50	2.50	Pass
20	4.24	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0008	-2.50	2.50	Pass
20	4.24	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0011	-2.50	2.50	Pass
30	3.47	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0008	-2.50	2.50	Pass
30	3.47	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0054	-2.50	2.50	Pass
30	3.47	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0030	-2.50	2.50	Pass
30	3.85	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0037	-2.50	2.50	Pass
30	3.85	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0049	-2.50	2.50	Pass
30	3.85	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0076	-2.50	2.50	Pass
30	4.24	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0068	-2.50	2.50	Pass
30	4.24	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0090	-2.50	2.50	Pass
30	4.24	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0077	-2.50	2.50	Pass
40	3.47	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0088	-2.50	2.50	Pass
40	3.47	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0055	-2.50	2.50	Pass
40	3.47	EGPRS	PCS 1900	8PSK	Class12	1909.8	-0.0013	-2.50	2.50	Pass
40	3.85	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0064	-2.50	2.50	Pass
40	3.85	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0008	-2.50	2.50	Pass
40	3.85	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0039	-2.50	2.50	Pass
40	4.24	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0016	-2.50	2.50	Pass
40	4.24	EGPRS	PCS 1900	8PSK	Class12	1880.0	-0.0006	-2.50	2.50	Pass
40	4.24	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0002	-2.50	2.50	Pass

50	3.47	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0005	-2.50	2.50	Pass
50	3.47	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0030	-2.50	2.50	Pass
50	3.47	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0033	-2.50	2.50	Pass
50	3.85	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0013	-2.50	2.50	Pass
50	3.85	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0034	-2.50	2.50	Pass
50	3.85	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0084	-2.50	2.50	Pass
50	4.24	EGPRS	PCS 1900	8PSK	Class12	1850.2	0.0024	-2.50	2.50	Pass
50	4.24	EGPRS	PCS 1900	8PSK	Class12	1880.0	0.0041	-2.50	2.50	Pass
50	4.24	EGPRS	PCS 1900	8PSK	Class12	1909.8	0.0008	-2.50	2.50	Pass