

GPRS 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.....	5
4. Unwanted Spurious Emission	7
5. Frequency Stability	11

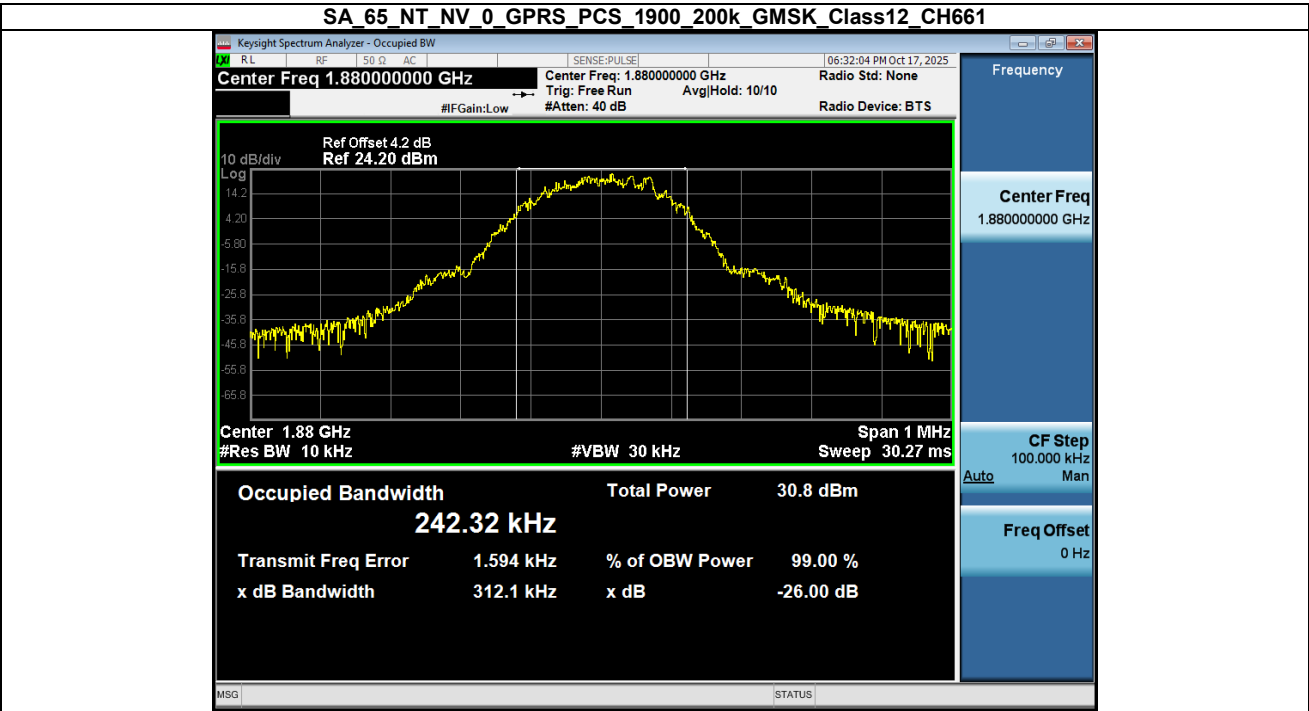
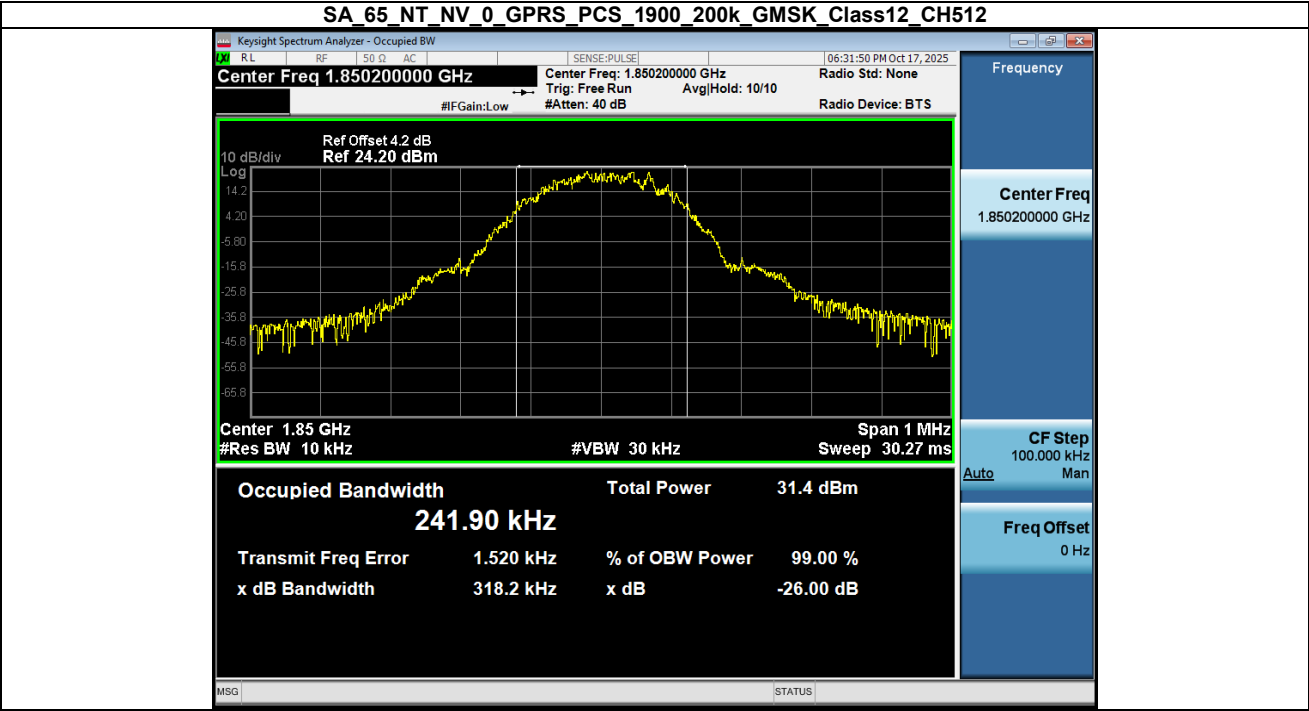
1. Conducted Output Power&&EIRP/ERP

Services	Band	Modulation	Class Type	Frequency(MHz)	Conducted Power(dBm)	ANT Gain(dBi)	EIRP(dBm)	limit(dBm)	Result
GPRS	PCS 1900	GMSK	Class8	1850.2	27.47	2.16	29.63	33.01	Pass
GPRS	PCS 1900	GMSK	Class10	1850.2	27.89	2.16	30.05	33.01	Pass
GPRS	PCS 1900	GMSK	Class11	1850.2	28.20	2.16	30.36	33.01	Pass
GPRS	PCS 1900	GMSK	Class12	1850.2	28.10	2.16	30.26	33.01	Pass
GPRS	PCS 1900	GMSK	Class8	1880.0	27.58	2.16	29.74	33.01	Pass
GPRS	PCS 1900	GMSK	Class10	1880.0	27.99	2.16	30.15	33.01	Pass
GPRS	PCS 1900	GMSK	Class11	1880.0	28.80	2.16	30.96	33.01	Pass
GPRS	PCS 1900	GMSK	Class12	1880.0	28.83	2.16	30.99	33.01	Pass
GPRS	PCS 1900	GMSK	Class8	1909.8	27.79	2.16	29.95	33.01	Pass
GPRS	PCS 1900	GMSK	Class10	1909.8	27.90	2.16	30.06	33.01	Pass
GPRS	PCS 1900	GMSK	Class11	1909.8	28.12	2.16	30.28	33.01	Pass
GPRS	PCS 1900	GMSK	Class12	1909.8	28.95	2.16	31.11	33.01	Pass

EIRP = Conducted Power + ANT Gain

2. Occupied Bandwidth

Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	OBW(MHz)	26EBW(MHz)
NVNT	GPRS	PCS 1900	GMSK	Class12	1850.2	0.2419	0.3182
NVNT	GPRS	PCS 1900	GMSK	Class12	1880.0	0.2423	0.3121
NVNT	GPRS	PCS 1900	GMSK	Class12	1909.8	0.2423	0.3118

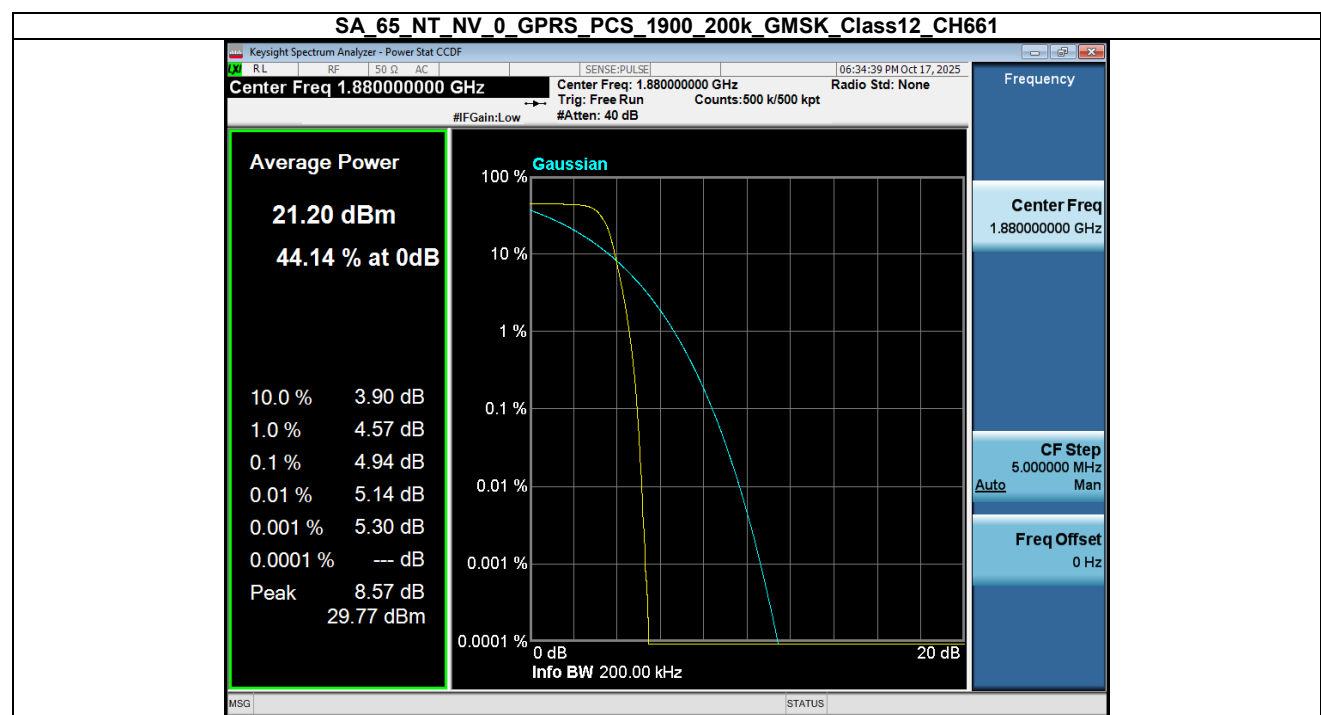
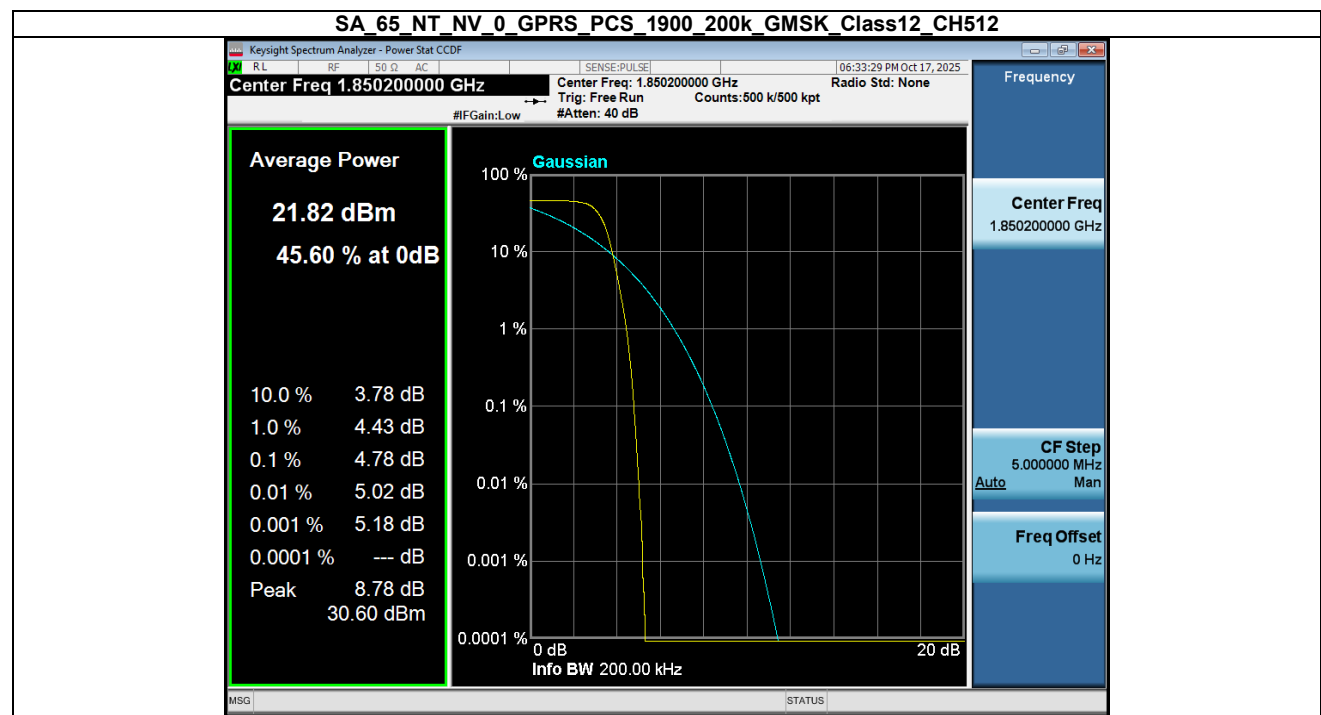


SA_65_NT_NV_0_GPRS_PCS_1900_200k_GMSK_Class12_CH810

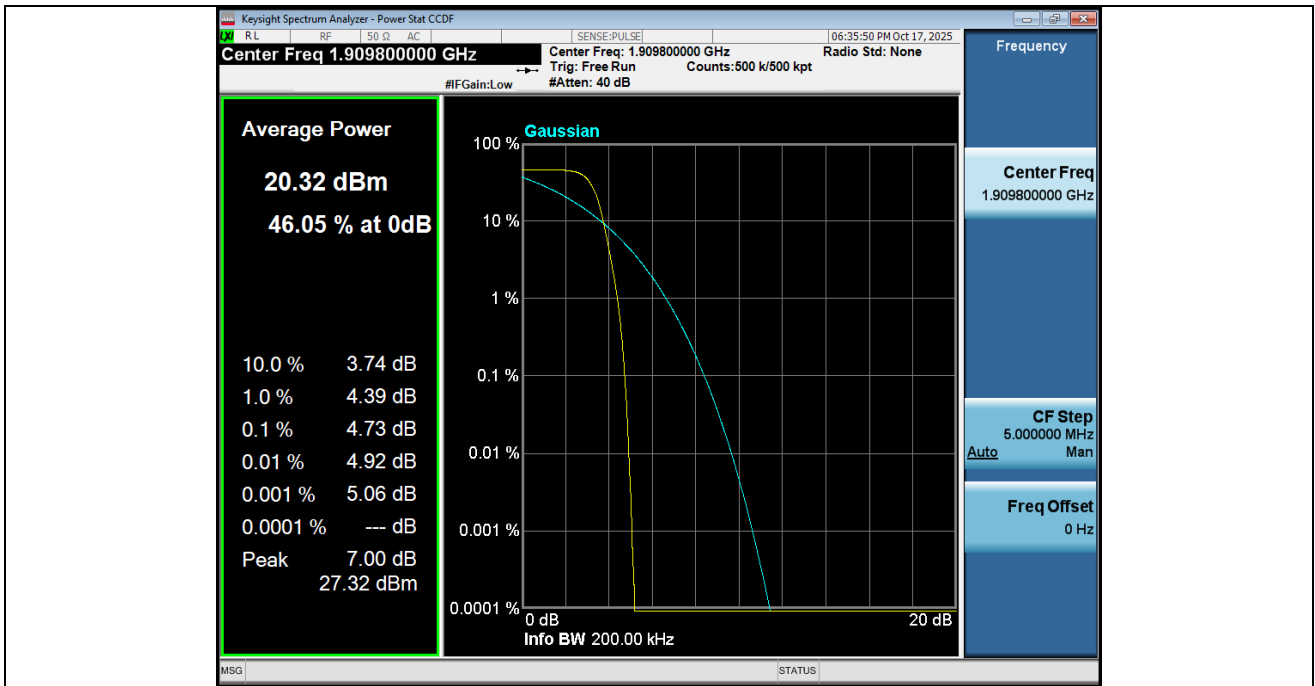


3. Peak to Average Ratio

Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NVNT	GPRS	PCS 1900	GMSK	Class12	1850.2	4.78	13.00	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1880.0	4.93	13.00	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1909.8	4.73	13.00	Pass



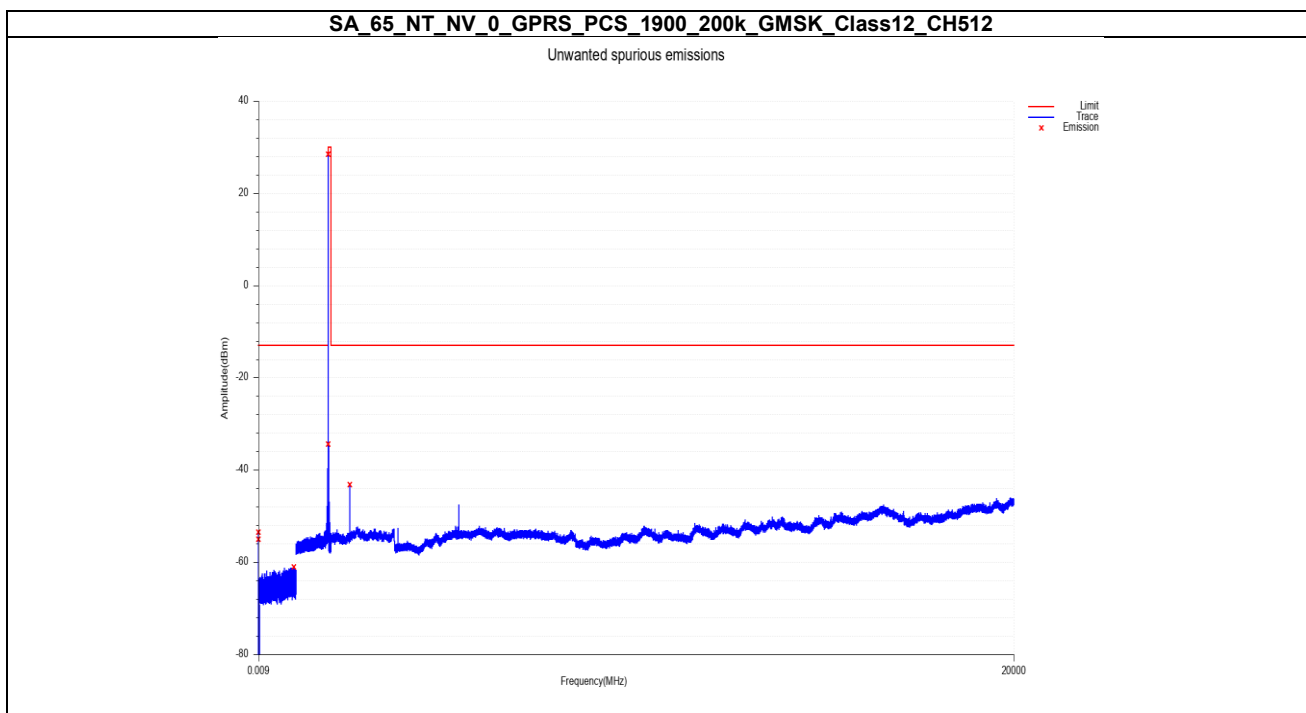
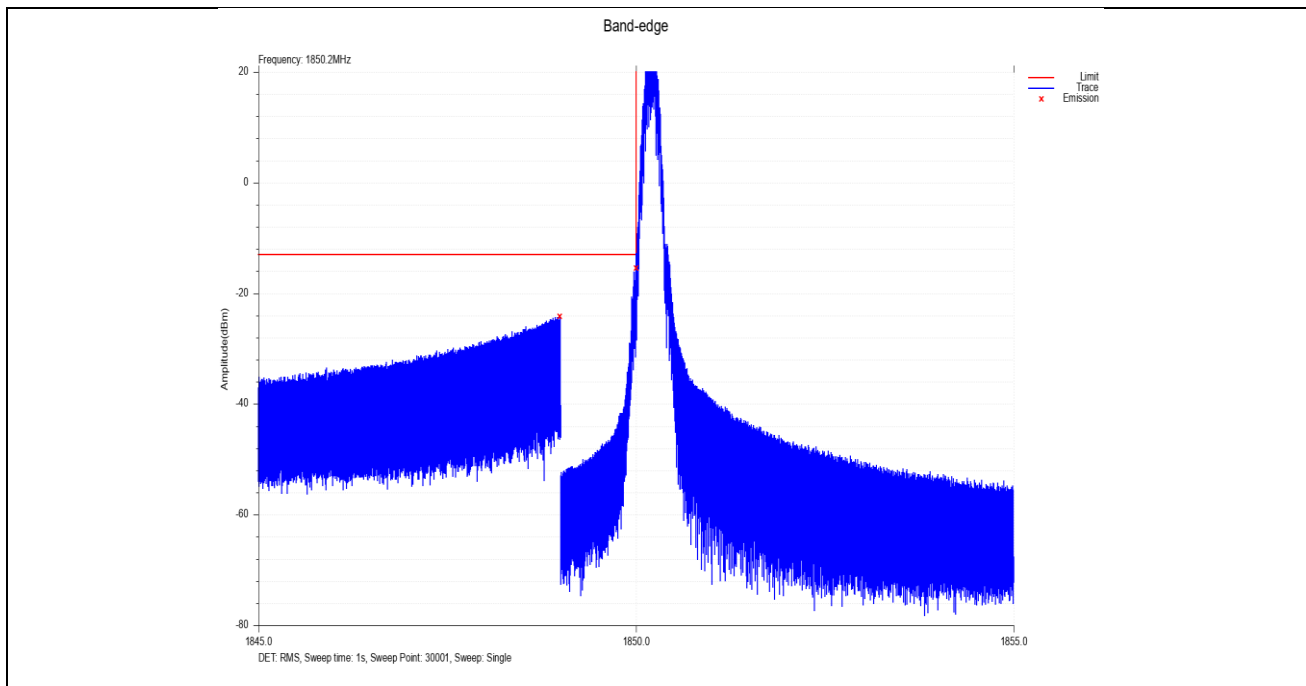
SA_65_NT_NV_0_GPRS_PCS_1900_200k_GMSK_Class12_CH810



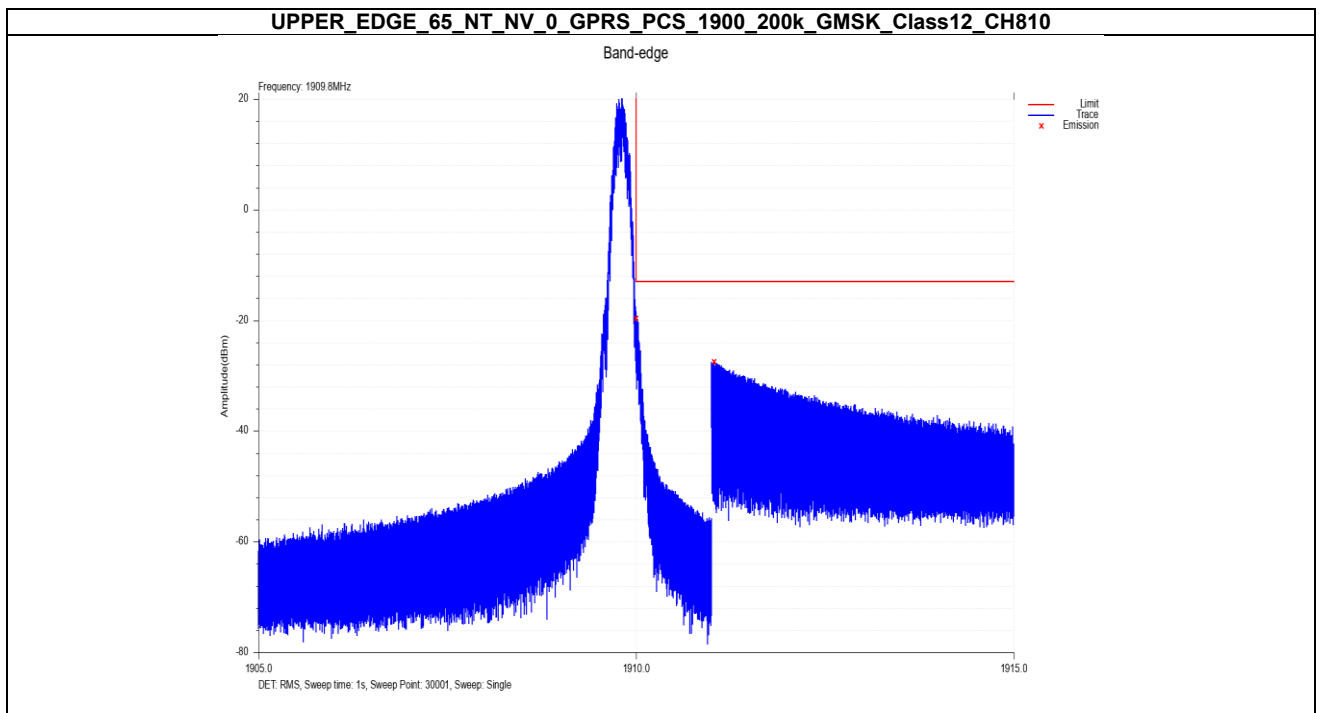
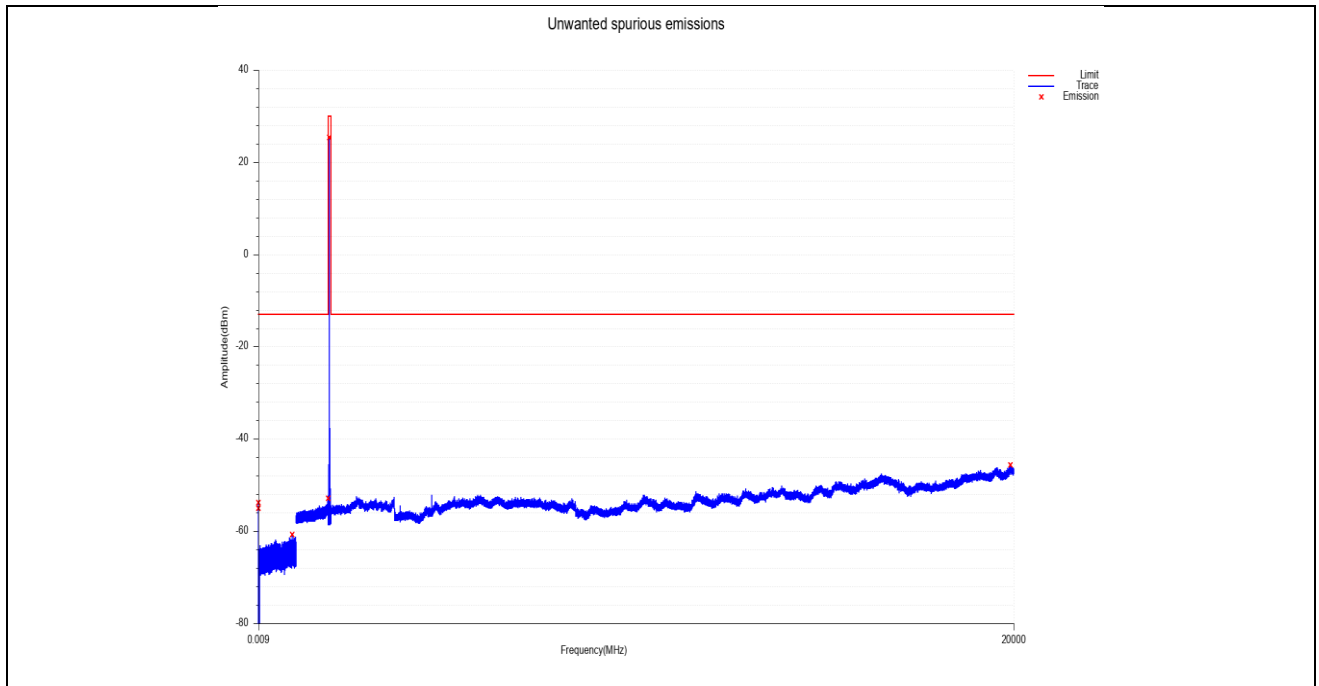
4. Unwanted Spurious Emission

Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	RBW(kHz)	Test Freq Range(MHz)	Spur Freq (MHz)	Spur Level(dBm)	Limit(dBm)	Result
NVNT	GPRS	PCS 1900	GMSK	Class12	1850.20	1000	1845.0~1849.0	1848.991	-24.10	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1850.20	3	1849.0~1850.0	1849.997	-15.39	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1850.20	1	0.009~0.150	0.010	-53.47	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1850.20	10	0.150~30.000	0.150	-55.03	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1850.20	100	30.000~1000.000	940.701	-61.12	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1850.20	1000	1000.000~1845.000	1844.775	-34.47	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1850.20	1000	1915.000~20000.000	2417.763	-43.17	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1880.00	1	0.009~0.150	0.098	-53.86	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1880.00	10	0.150~30.000	0.158	-55.08	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1880.00	100	30.000~1000.000	892.492	-60.70	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1880.00	1000	1000.000~1845.000	1842.014	-52.83	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1880.00	1000	1915.000~20000.000	19915.603	-45.63	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1909.80	3	1910.0~1911.0	1910.003	-19.72	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1909.80	1000	1911.0~1915.0	1911.033	-27.55	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1909.80	1	0.009~0.150	0.011	-53.90	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1909.80	10	0.150~30.000	0.150	-55.68	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1909.80	100	30.000~1000.000	814.924	-61.06	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1909.80	1000	1000.000~1845.000	1838.127	-54.33	-13	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1909.80	1000	1915.000~20000.000	1915.603	-40.25	-13	Pass

LOW_EDGE_65_NT_NV_0_GPRS_PCS_1900_200k_GMSK_Class12_CH512

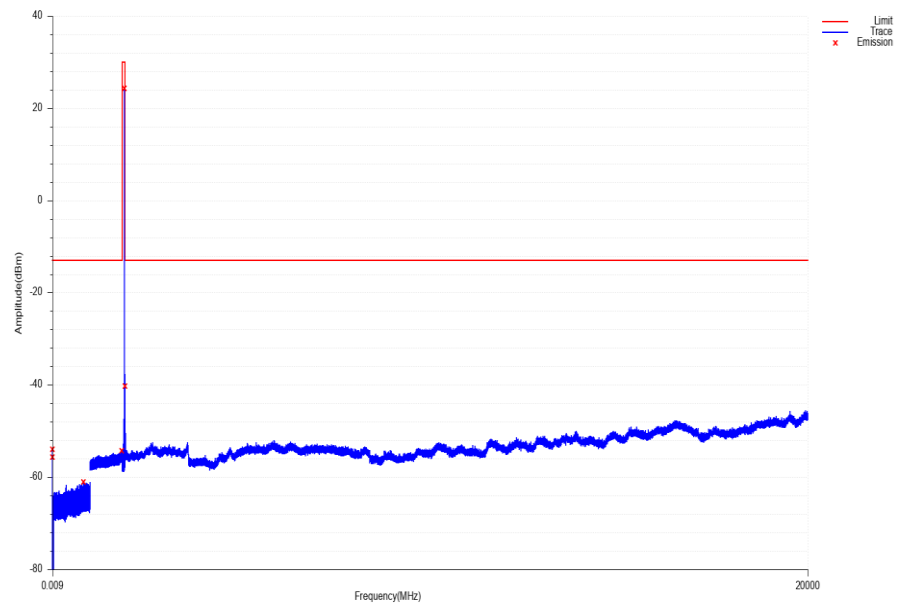


SA_65_NT_NV_0_GPRS_PCS_1900_200k_GMSK_Class12_CH661



SA_65_NT_NV_0_GPRS_PCS_1900_200k_GMSK_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	GPRS	PCS 1900	GMSK	Class12	1850.2	-0.0004	-2.50	2.50	Pass
-30	3.47	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0018	-2.50	2.50	Pass
-30	3.47	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0031	-2.50	2.50	Pass
-30	3.85	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0086	-2.50	2.50	Pass
-30	3.85	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0016	-2.50	2.50	Pass
-30	3.85	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0037	-2.50	2.50	Pass
-30	4.24	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0013	-2.50	2.50	Pass
-30	4.24	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0028	-2.50	2.50	Pass
-30	4.24	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0024	-2.50	2.50	Pass
-20	3.47	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0068	-2.50	2.50	Pass
-20	3.47	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0052	-2.50	2.50	Pass
-20	3.47	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0075	-2.50	2.50	Pass
-20	3.85	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0056	-2.50	2.50	Pass
-20	3.85	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0041	-2.50	2.50	Pass
-20	3.85	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0007	-2.50	2.50	Pass
-20	4.24	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0040	-2.50	2.50	Pass
-20	4.24	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0009	-2.50	2.50	Pass
-20	4.24	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0021	-2.50	2.50	Pass
-10	3.47	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0084	-2.50	2.50	Pass
-10	3.47	GPRS	PCS 1900	GMSK	Class12	1880.0	-0.0003	-2.50	2.50	Pass
-10	3.47	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0119	-2.50	2.50	Pass
-10	3.85	GPRS	PCS 1900	GMSK	Class12	1850.2	-0.0012	-2.50	2.50	Pass
-10	3.85	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0031	-2.50	2.50	Pass
-10	3.85	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0069	-2.50	2.50	Pass
-10	4.24	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0010	-2.50	2.50	Pass
-10	4.24	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0079	-2.50	2.50	Pass
-10	4.24	GPRS	PCS 1900	GMSK	Class12	1909.8	-0.0002	-2.50	2.50	Pass
0	3.47	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0049	-2.50	2.50	Pass
0	3.47	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0026	-2.50	2.50	Pass
0	3.47	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0068	-2.50	2.50	Pass
0	3.85	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0070	-2.50	2.50	Pass
0	3.85	GPRS	PCS 1900	GMSK	Class12	1880.0	-0.0035	-2.50	2.50	Pass
0	3.85	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0073	-2.50	2.50	Pass
0	4.24	GPRS	PCS	GMSK	Class12	1850.2	0.0065	-2.50	2.50	Pass

			1900							
0	4.24	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0007	-2.50	2.50	Pass
0	4.24	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0085	-2.50	2.50	Pass
10	3.47	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0060	-2.50	2.50	Pass
10	3.47	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0062	-2.50	2.50	Pass
10	3.47	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0072	-2.50	2.50	Pass
10	3.85	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0018	-2.50	2.50	Pass
10	3.85	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0063	-2.50	2.50	Pass
10	3.85	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0049	-2.50	2.50	Pass
10	4.24	GPRS	PCS 1900	GMSK	Class12	1850.2	-0.0012	-2.50	2.50	Pass
10	4.24	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0039	-2.50	2.50	Pass
10	4.24	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0021	-2.50	2.50	Pass
20	3.47	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0032	-2.50	2.50	Pass
20	3.47	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0035	-2.50	2.50	Pass
20	3.47	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0062	-2.50	2.50	Pass
20	3.85	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0024	-2.50	2.50	Pass
20	3.85	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0100	-2.50	2.50	Pass
20	3.85	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0030	-2.50	2.50	Pass
20	4.24	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0093	-2.50	2.50	Pass
20	4.24	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0042	-2.50	2.50	Pass
20	4.24	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0017	-2.50	2.50	Pass
30	3.47	GPRS	PCS 1900	GMSK	Class12	1850.2	-0.0029	-2.50	2.50	Pass
30	3.47	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0053	-2.50	2.50	Pass
30	3.47	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0027	-2.50	2.50	Pass
30	3.85	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0076	-2.50	2.50	Pass
30	3.85	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0119	-2.50	2.50	Pass
30	3.85	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0032	-2.50	2.50	Pass
30	4.24	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0042	-2.50	2.50	Pass
30	4.24	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0069	-2.50	2.50	Pass
30	4.24	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0005	-2.50	2.50	Pass
40	3.47	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0116	-2.50	2.50	Pass
40	3.47	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0001	-2.50	2.50	Pass
40	3.47	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0067	-2.50	2.50	Pass
40	3.85	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0061	-2.50	2.50	Pass
40	3.85	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0000	-2.50	2.50	Pass
40	3.85	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0083	-2.50	2.50	Pass
40	4.24	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0068	-2.50	2.50	Pass
40	4.24	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0059	-2.50	2.50	Pass
40	4.24	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0010	-2.50	2.50	Pass

50	3.47	GPRS	PCS 1900	GMSK	Class12	1850.2	-0.0016	-2.50	2.50	Pass
50	3.47	GPRS	PCS 1900	GMSK	Class12	1880.0	-0.0004	-2.50	2.50	Pass
50	3.47	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0016	-2.50	2.50	Pass
50	3.85	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0004	-2.50	2.50	Pass
50	3.85	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0056	-2.50	2.50	Pass
50	3.85	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0099	-2.50	2.50	Pass
50	4.24	GPRS	PCS 1900	GMSK	Class12	1850.2	-0.0042	-2.50	2.50	Pass
50	4.24	GPRS	PCS 1900	GMSK	Class12	1880.0	-0.0014	-2.50	2.50	Pass
50	4.24	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0026	-2.50	2.50	Pass