

PCS 1900 Test Data

FCC ID: 2BLBN-SMART

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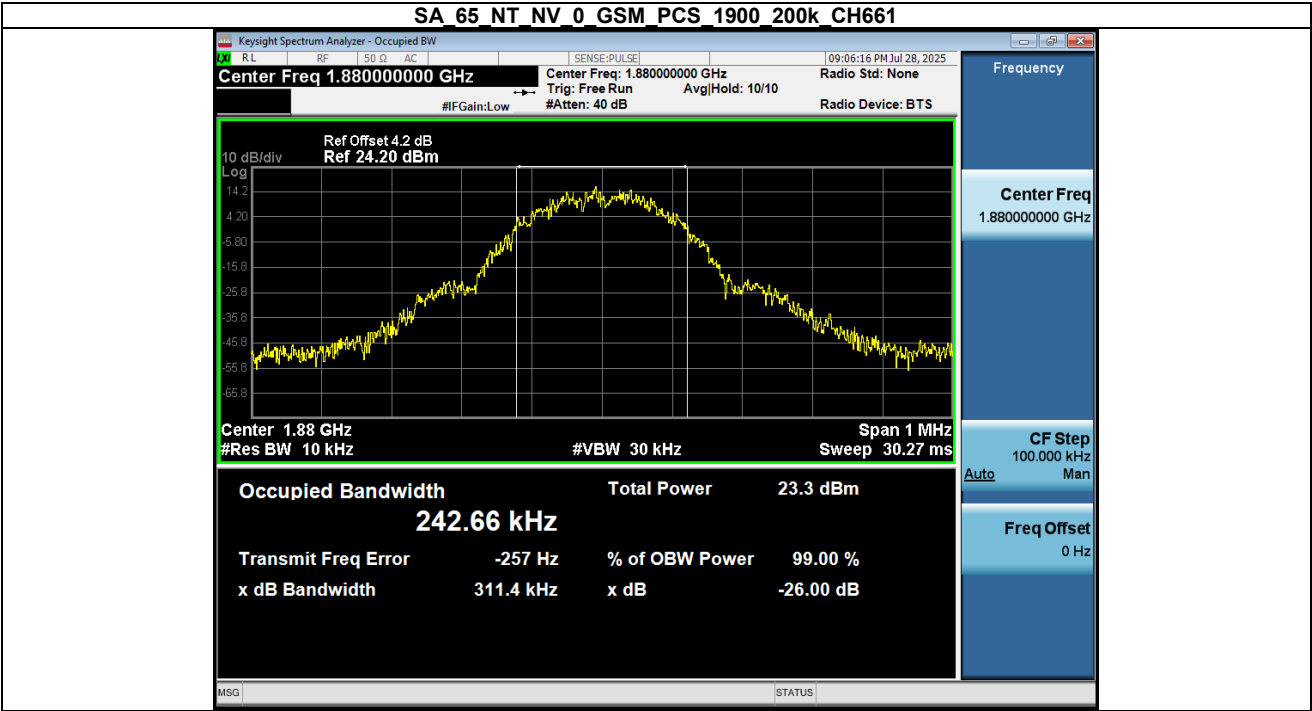
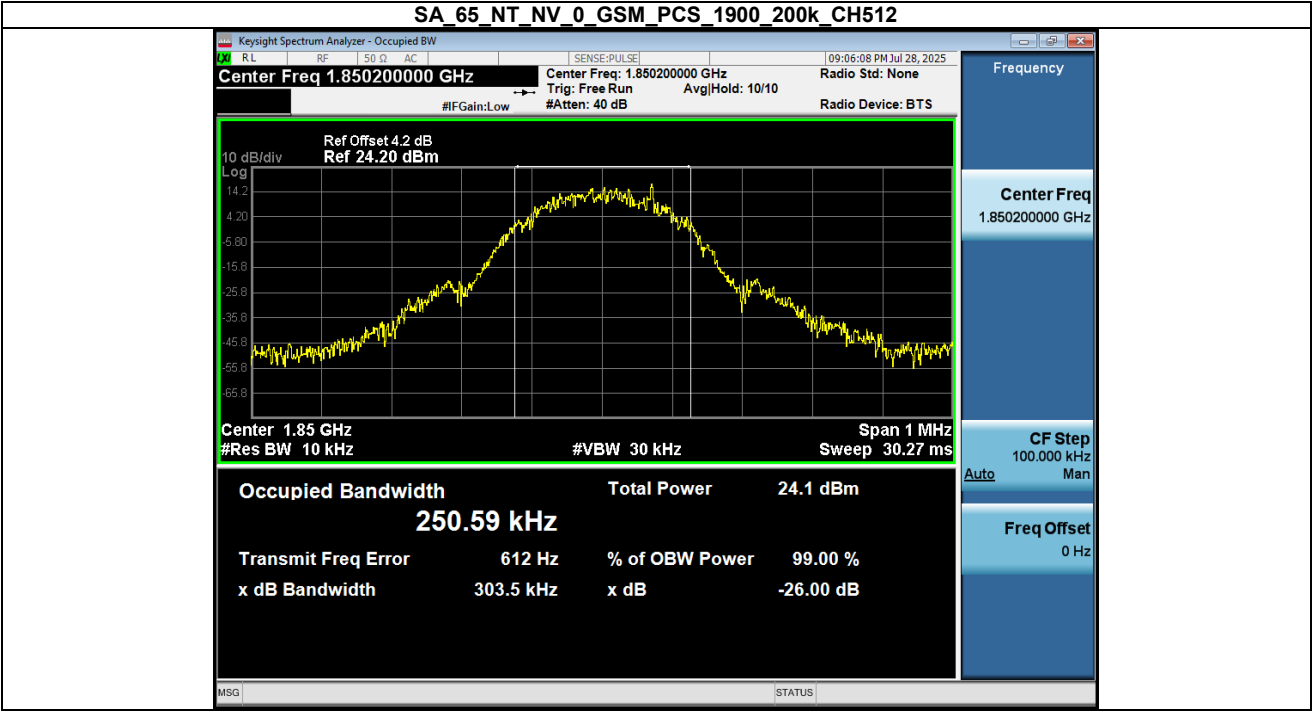
1. Conducted Output Power&&EIRP/ERP

Condition	Band	Modulation	Frequency(MHz)	Conducted Power(dBm)	ANT Gain(dBi)	EIRP(dBm)	limit(dBm)	Result
NVNT	PCS 1900	GMSK	1850.2	29.93	1.73	31.66	33.01	Pass
NVNT	PCS 1900	GMSK	1880.0	29.34	1.73	31.07	33.01	Pass
NVNT	PCS 1900	GMSK	1909.8	30.51	1.73	32.24	33.01	Pass

EIRP = Conducted Power + ANT Gain

2. Occupied Bandwidth

Condition	Band	Modulation	Frequency(MHz)	OBW(MHz)	-26EBW(MHz)
NVNT	PCS 1900	GMSK	1850.2	0.2506	0.3035
NVNT	PCS 1900	GMSK	1880.0	0.2427	0.3114
NVNT	PCS 1900	GMSK	1909.8	0.2509	0.3178

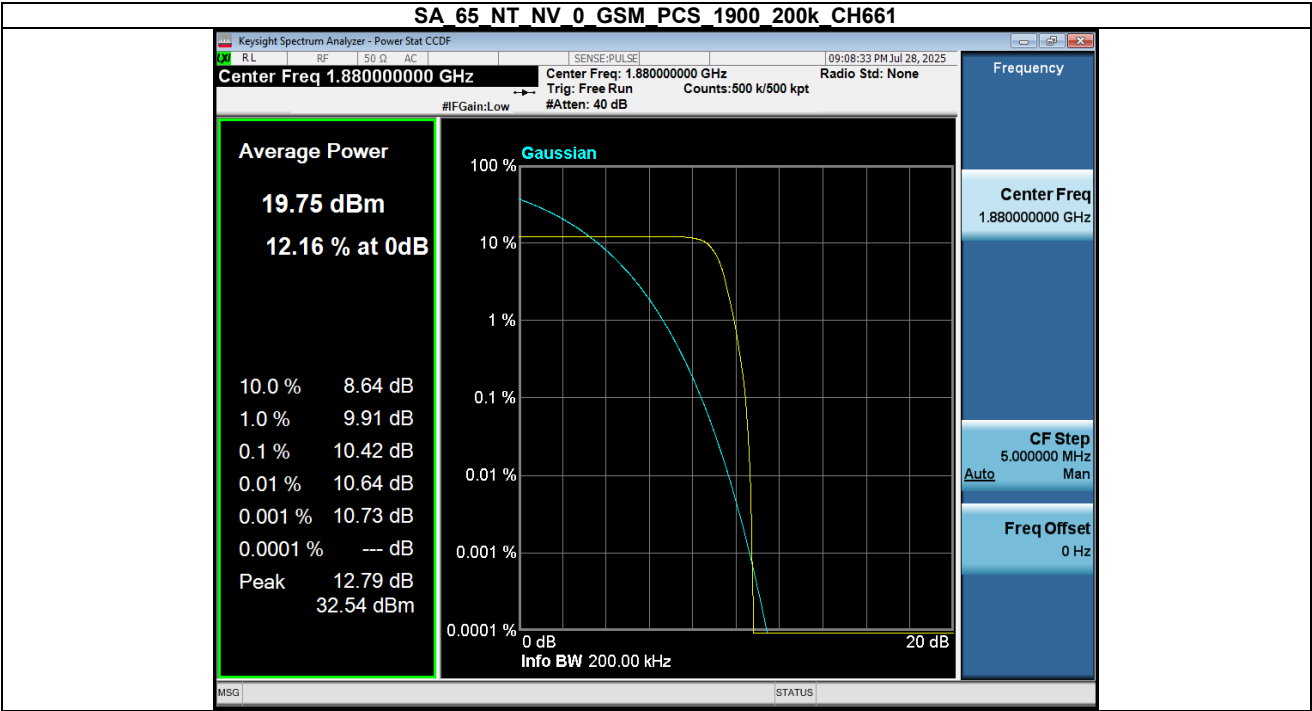
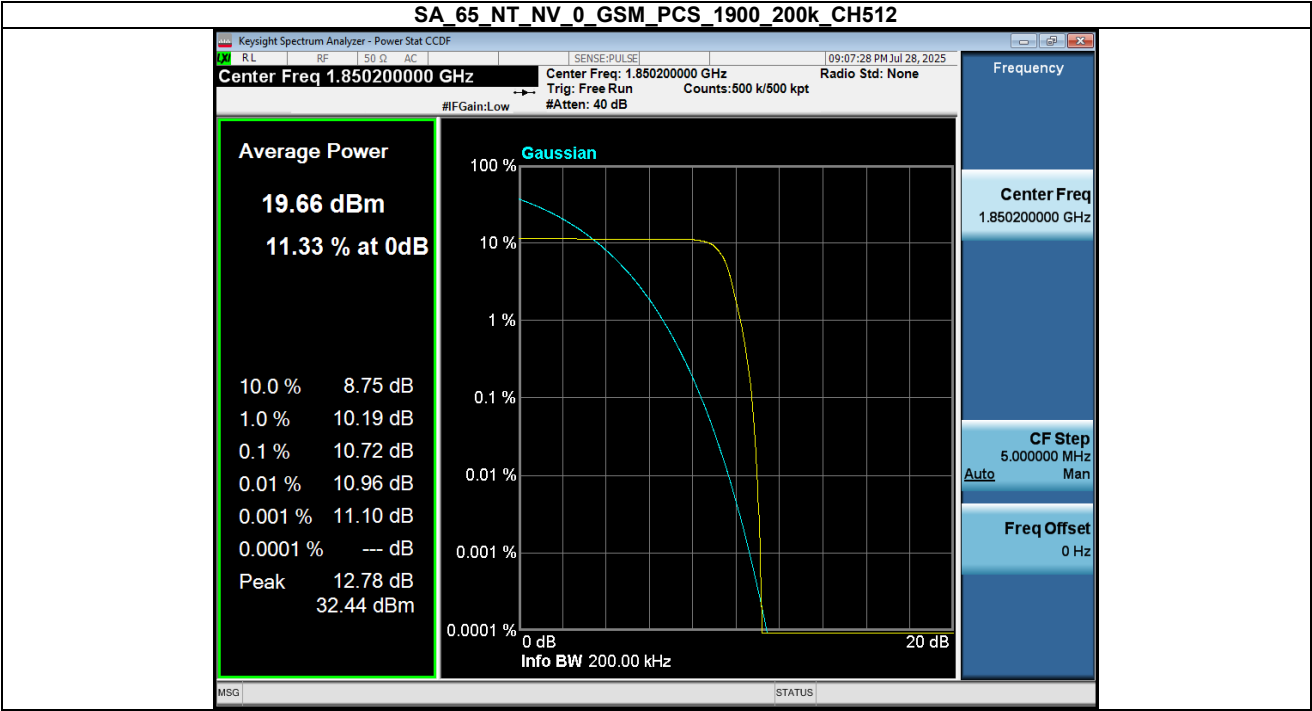


SA 65 NT NV 0 GSM PCS 1900 200k CH810

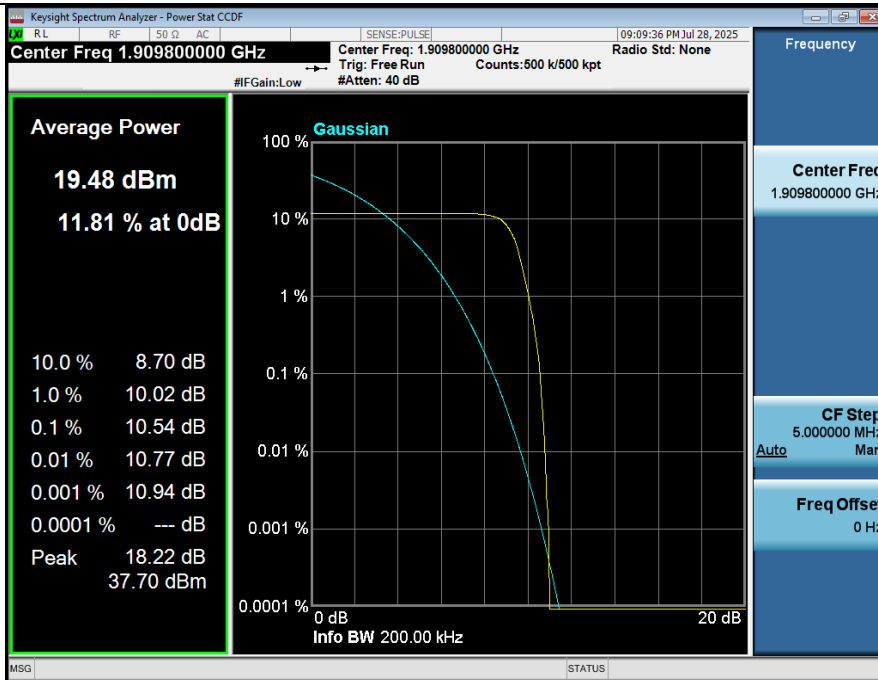


3. Peak to Average Ratio

Condition	Band	Modulation	Frequency(MHz)	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NVNT	GSM	PCS 1900	1850.2	10.72	13.00	Pass
NVNT	GSM	PCS 1900	1880.0	10.42	13.00	Pass
NVNT	GSM	PCS 1900	1909.8	10.54	13.00	Pass

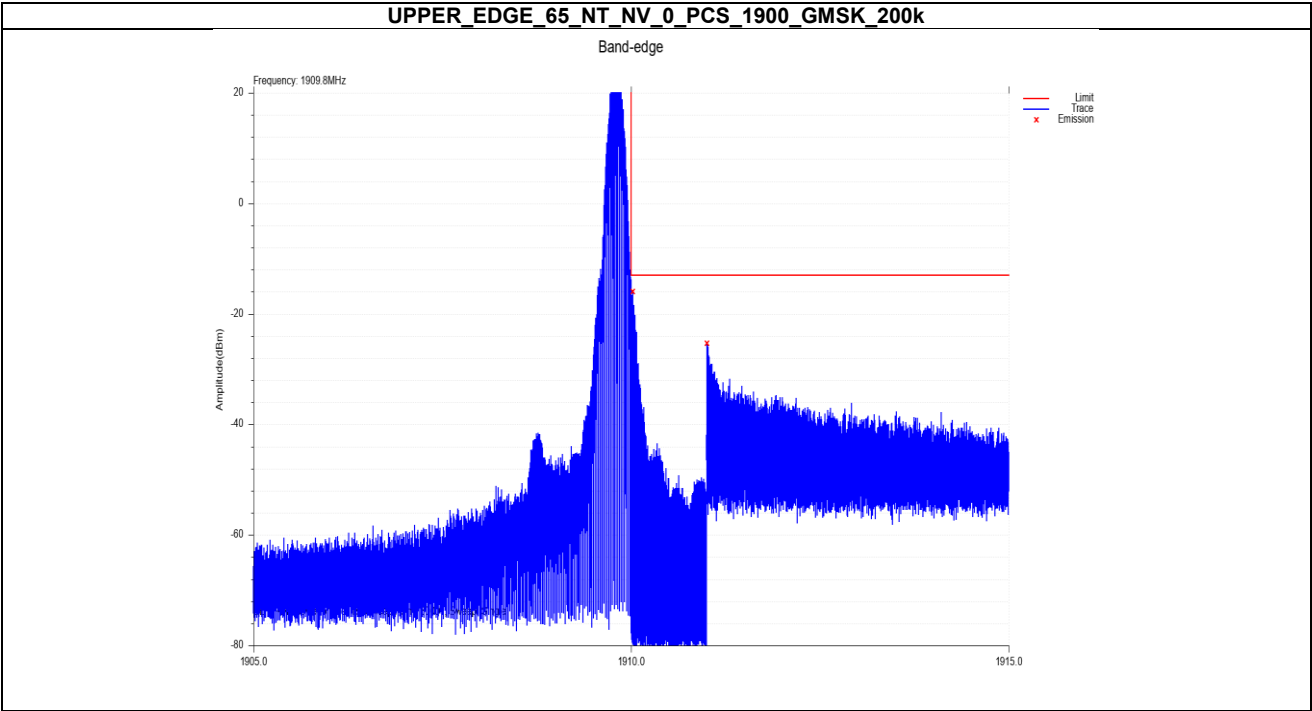
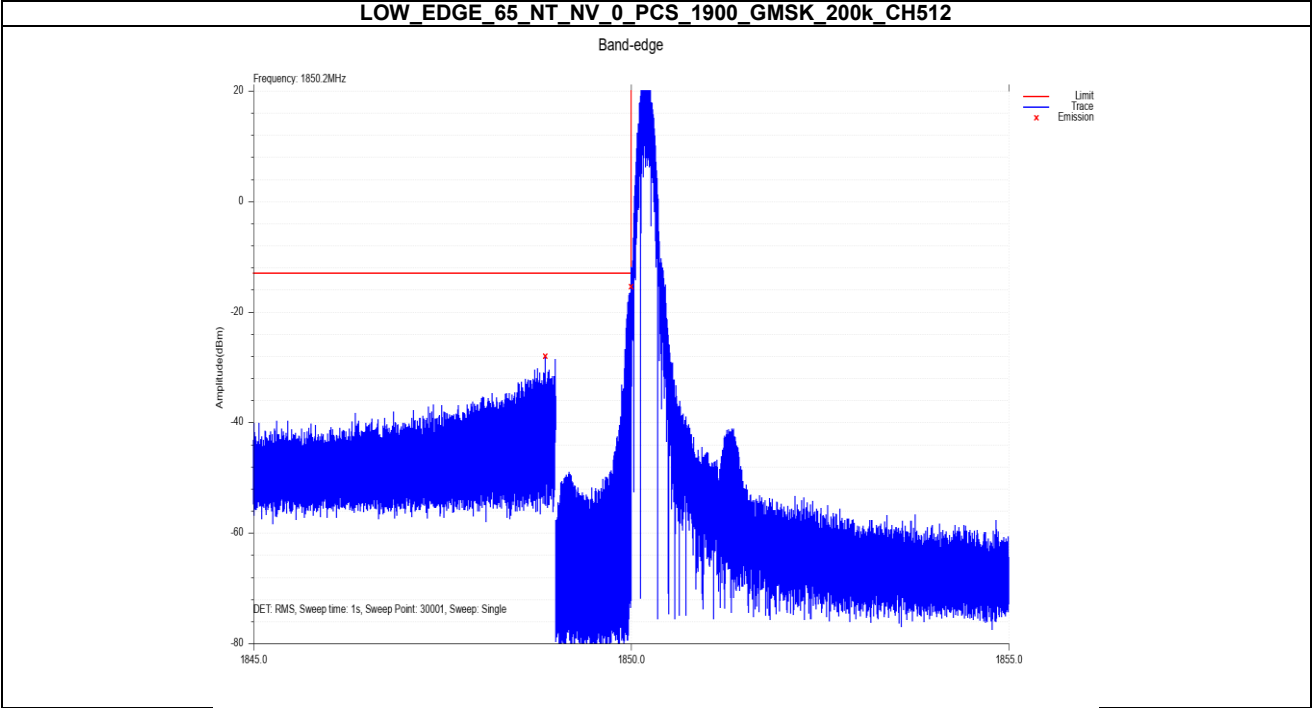


SA_65_NT_NV_0_GSM_PCS_1900_200k_CH810



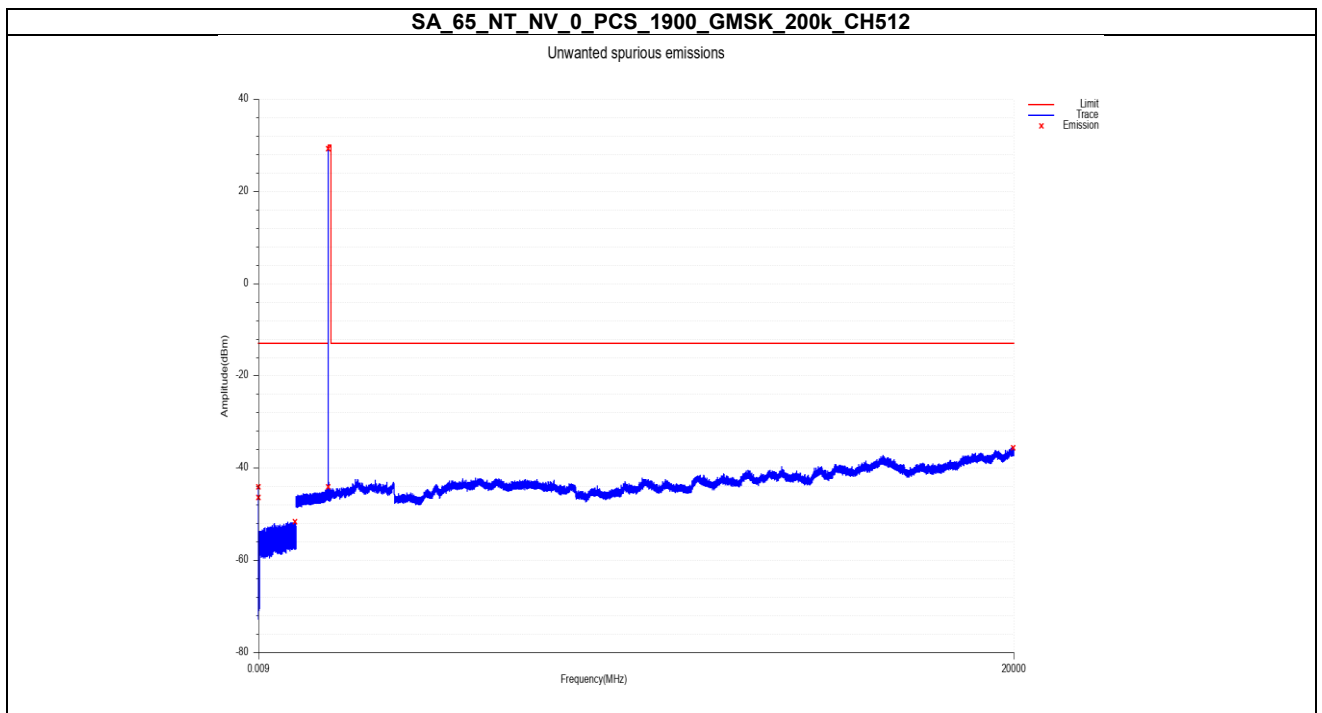
4. Unwanted Spurious Emission

Condition	Mode	Band	Frequency(MHz)	RBW(kHz)	Test Freq Range(MHz)	Spur Freq (MHz)	Spur Level(dBm)	Limit(dBm)	Result
NVNT	PCS 1900	GMSK	1850.20	1000	1845.0~1849.0	1848.862	-27.98	-13	Pass
NVNT	PCS 1900	GMSK	1850.20	3	1849.0~1850.0	1849.998	-15.38	-13	Pass
NVNT	PCS 1900	GMSK	1909.80	3	1910.0~1911.0	1910.021	-15.92	-13	Pass
NVNT	PCS 1900	GMSK	1909.80	1000	1911.0~1915.0	1911.002	-25.27	-13	Pass

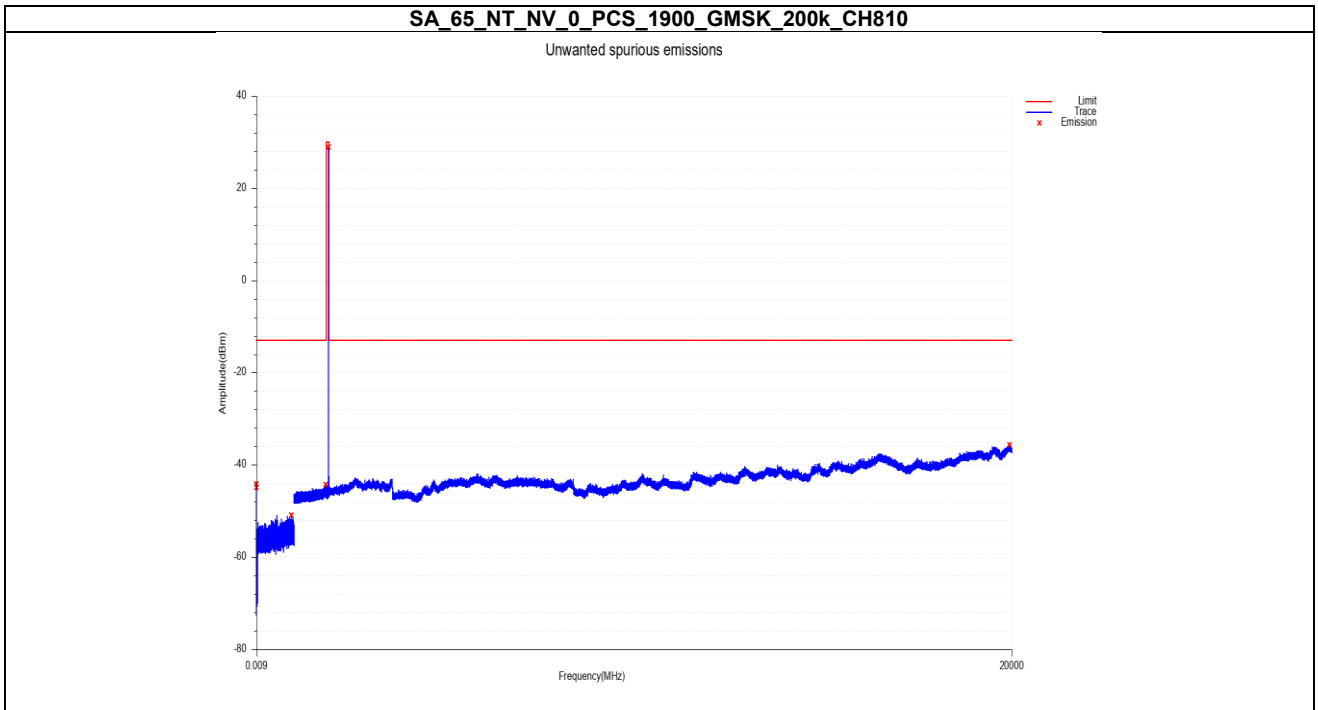
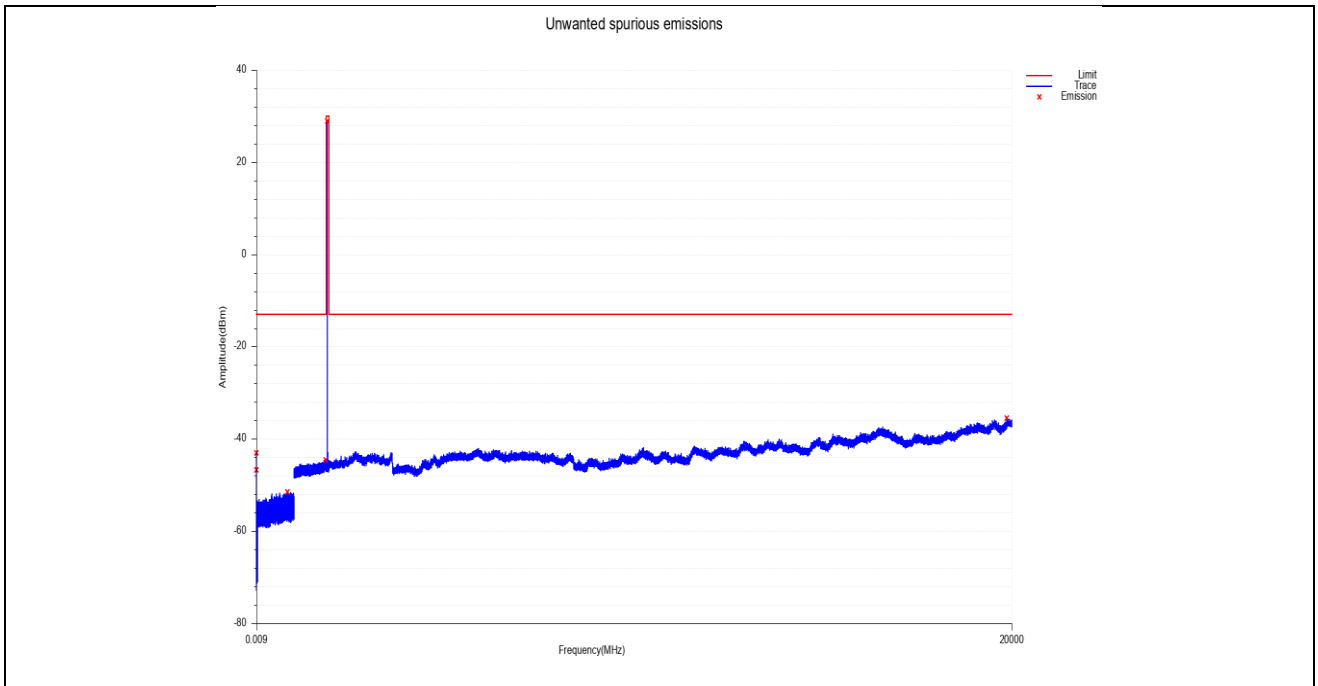


Condition	Band	Modulation	Frequency(MHz)	RBW(kHz)	Test Freq Range(MHz)	Spur Freq (MHz)	Spur Level(dBm)	Limit(dBm)	Result
NVNT	PCS	GMSK	1850.20	1	0.009~0.150	0.011	-44.07	-13	Pass

	1900								
NVNT	PCS 1900	GMSK	1850.20	10	0.150~30.000	0.154	-46.42	-13	Pass
NVNT	PCS 1900	GMSK	1850.20	100	30.000~1000.000	969.801	-51.61	-13	Pass
NVNT	PCS 1900	GMSK	1850.20	1000	1000.000~1845.000	1844.521	-44.16	-13	Pass
NVNT	PCS 1900	GMSK	1850.20	1000	1915.000~20000.000	19984.929	-35.65	-13	Pass
NVNT	PCS 1900	GMSK	1880.00	1	0.009~0.150	0.009	-43.01	-13	Pass
NVNT	PCS 1900	GMSK	1880.00	10	0.150~30.000	0.159	-46.78	-13	Pass
NVNT	PCS 1900	GMSK	1880.00	100	30.000~1000.000	818.578	-51.52	-13	Pass
NVNT	PCS 1900	GMSK	1880.00	1000	1000.000~1845.000	1837.592	-44.59	-13	Pass
NVNT	PCS 1900	GMSK	1880.00	1000	1915.000~20000.000	19864.362	-35.43	-13	Pass
NVNT	PCS 1900	GMSK	1909.80	1	0.009~0.150	0.010	-44.16	-13	Pass
NVNT	PCS 1900	GMSK	1909.80	10	0.150~30.000	0.150	-44.84	-13	Pass
NVNT	PCS 1900	GMSK	1909.80	100	30.000~1000.000	930.710	-50.90	-13	Pass
NVNT	PCS 1900	GMSK	1909.80	1000	1000.000~1845.000	1832.353	-44.33	-13	Pass
NVNT	PCS 1900	GMSK	1909.80	1000	1915.000~20000.000	19945.142	-35.65	-13	Pass



SA_65_NT_NV_0_PCS_1900_GMSK_200k_CH661



5. Frequency Stability

Temperature (C)	Voltage(V)	Band	Modulation	Frequency(MHz)	Frequency Stabilization (ppm)	Limit_Low(ppm)	Limit_Up(ppm)	Result
-30	3.47	PCS 1900	GMSK	1850.2	0.0018	-2.50	2.50	Pass
-30	3.47	PCS 1900	GMSK	1880.0	0.0013	-2.50	2.50	Pass
-30	3.47	PCS 1900	GMSK	1909.8	0.0036	-2.50	2.50	Pass
-30	3.85	PCS 1900	GMSK	1850.2	0.0060	-2.50	2.50	Pass
-30	3.85	PCS 1900	GMSK	1880.0	0.0045	-2.50	2.50	Pass
-30	3.85	PCS 1900	GMSK	1909.8	0.0077	-2.50	2.50	Pass
-30	4.24	PCS 1900	GMSK	1850.2	0.0039	-2.50	2.50	Pass
-30	4.24	PCS 1900	GMSK	1880.0	0.0022	-2.50	2.50	Pass
-30	4.24	PCS 1900	GMSK	1909.8	0.0033	-2.50	2.50	Pass
-20	3.47	PCS 1900	GMSK	1850.2	0.0023	-2.50	2.50	Pass
-20	3.47	PCS 1900	GMSK	1880.0	0.0007	-2.50	2.50	Pass
-20	3.47	PCS 1900	GMSK	1909.8	0.0068	-2.50	2.50	Pass
-20	3.85	PCS 1900	GMSK	1850.2	0.0042	-2.50	2.50	Pass
-20	3.85	PCS 1900	GMSK	1880.0	0.0050	-2.50	2.50	Pass
-20	3.85	PCS 1900	GMSK	1909.8	0.0035	-2.50	2.50	Pass
-20	4.24	PCS 1900	GMSK	1850.2	0.0009	-2.50	2.50	Pass
-20	4.24	PCS 1900	GMSK	1880.0	0.0057	-2.50	2.50	Pass
-20	4.24	PCS 1900	GMSK	1909.8	0.0045	-2.50	2.50	Pass
-10	3.47	PCS 1900	GMSK	1850.2	0.0046	-2.50	2.50	Pass
-10	3.47	PCS 1900	GMSK	1880.0	0.0020	-2.50	2.50	Pass
-10	3.47	PCS 1900	GMSK	1909.8	0.0073	-2.50	2.50	Pass
-10	3.85	PCS 1900	GMSK	1850.2	0.0010	-2.50	2.50	Pass
-10	3.85	PCS 1900	GMSK	1880.0	0.0014	-2.50	2.50	Pass
-10	3.85	PCS 1900	GMSK	1909.8	0.0034	-2.50	2.50	Pass
-10	4.24	PCS 1900	GMSK	1850.2	0.0026	-2.50	2.50	Pass
-10	4.24	PCS 1900	GMSK	1880.0	0.0063	-2.50	2.50	Pass
-10	4.24	PCS 1900	GMSK	1909.8	0.0035	-2.50	2.50	Pass
0	3.47	PCS 1900	GMSK	1850.2	0.0005	-2.50	2.50	Pass
0	3.47	PCS 1900	GMSK	1880.0	0.0040	-2.50	2.50	Pass
0	3.47	PCS 1900	GMSK	1909.8	0.0038	-2.50	2.50	Pass
0	3.85	PCS 1900	GMSK	1850.2	0.0020	-2.50	2.50	Pass
0	3.85	PCS 1900	GMSK	1880.0	0.0008	-2.50	2.50	Pass
0	3.85	PCS 1900	GMSK	1909.8	0.0062	-2.50	2.50	Pass
0	4.24	PCS	GMSK	1850.2	0.0034	-2.50	2.50	Pass

		1900						
0	4.24	PCS 1900	GMSK	1880.0	0.0026	-2.50	2.50	Pass
0	4.24	PCS 1900	GMSK	1909.8	0.0061	-2.50	2.50	Pass
10	3.47	PCS 1900	GMSK	1850.2	0.0021	-2.50	2.50	Pass
10	3.47	PCS 1900	GMSK	1880.0	0.0061	-2.50	2.50	Pass
10	3.47	PCS 1900	GMSK	1909.8	0.0040	-2.50	2.50	Pass
10	3.85	PCS 1900	GMSK	1850.2	0.0051	-2.50	2.50	Pass
10	3.85	PCS 1900	GMSK	1880.0	0.0048	-2.50	2.50	Pass
10	3.85	PCS 1900	GMSK	1909.8	0.0043	-2.50	2.50	Pass
10	4.24	PCS 1900	GMSK	1850.2	0.0018	-2.50	2.50	Pass
10	4.24	PCS 1900	GMSK	1880.0	0.0029	-2.50	2.50	Pass
10	4.24	PCS 1900	GMSK	1909.8	0.0058	-2.50	2.50	Pass
20	3.47	PCS 1900	GMSK	1850.2	0.0013	-2.50	2.50	Pass
20	3.47	PCS 1900	GMSK	1880.0	0.0054	-2.50	2.50	Pass
20	3.47	PCS 1900	GMSK	1909.8	0.0047	-2.50	2.50	Pass
20	3.85	PCS 1900	GMSK	1850.2	0.0022	-2.50	2.50	Pass
20	3.85	PCS 1900	GMSK	1880.0	0.0057	-2.50	2.50	Pass
20	3.85	PCS 1900	GMSK	1909.8	0.0037	-2.50	2.50	Pass
20	4.24	PCS 1900	GMSK	1850.2	0.0046	-2.50	2.50	Pass
20	4.24	PCS 1900	GMSK	1880.0	-0.0001	-2.50	2.50	Pass
20	4.24	PCS 1900	GMSK	1909.8	0.0029	-2.50	2.50	Pass
30	3.47	PCS 1900	GMSK	1850.2	0.0017	-2.50	2.50	Pass
30	3.47	PCS 1900	GMSK	1880.0	0.0069	-2.50	2.50	Pass
30	3.47	PCS 1900	GMSK	1909.8	0.0059	-2.50	2.50	Pass
30	3.85	PCS 1900	GMSK	1850.2	0.0035	-2.50	2.50	Pass
30	3.85	PCS 1900	GMSK	1880.0	0.0076	-2.50	2.50	Pass
30	3.85	PCS 1900	GMSK	1909.8	0.0032	-2.50	2.50	Pass
30	4.24	PCS 1900	GMSK	1850.2	0.0037	-2.50	2.50	Pass
30	4.24	PCS 1900	GMSK	1880.0	0.0080	-2.50	2.50	Pass
30	4.24	PCS 1900	GMSK	1909.8	0.0051	-2.50	2.50	Pass
40	3.47	PCS 1900	GMSK	1850.2	0.0066	-2.50	2.50	Pass
40	3.47	PCS 1900	GMSK	1880.0	0.0012	-2.50	2.50	Pass
40	3.47	PCS 1900	GMSK	1909.8	0.0023	-2.50	2.50	Pass
40	3.85	PCS 1900	GMSK	1850.2	0.0040	-2.50	2.50	Pass
40	3.85	PCS 1900	GMSK	1880.0	0.0044	-2.50	2.50	Pass
40	3.85	PCS 1900	GMSK	1909.8	0.0046	-2.50	2.50	Pass
40	4.24	PCS 1900	GMSK	1850.2	0.0014	-2.50	2.50	Pass
40	4.24	PCS 1900	GMSK	1880.0	0.0040	-2.50	2.50	Pass
40	4.24	PCS 1900	GMSK	1909.8	0.0039	-2.50	2.50	Pass

50	3.47	PCS 1900	GMSK	1850.2	0.0019	-2.50	2.50	Pass
50	3.47	PCS 1900	GMSK	1880.0	0.0012	-2.50	2.50	Pass
50	3.47	PCS 1900	GMSK	1909.8	0.0025	-2.50	2.50	Pass
50	3.85	PCS 1900	GMSK	1850.2	0.0029	-2.50	2.50	Pass
50	3.85	PCS 1900	GMSK	1880.0	0.0033	-2.50	2.50	Pass
50	3.85	PCS 1900	GMSK	1909.8	0.0060	-2.50	2.50	Pass
50	4.24	PCS 1900	GMSK	1850.2	0.0000	-2.50	2.50	Pass
50	4.24	PCS 1900	GMSK	1880.0	0.0025	-2.50	2.50	Pass
50	4.24	PCS 1900	GMSK	1909.8	0.0032	-2.50	2.50	Pass