

EGPRS 850 Test Data

FCC ID: 2BLBN-SMART

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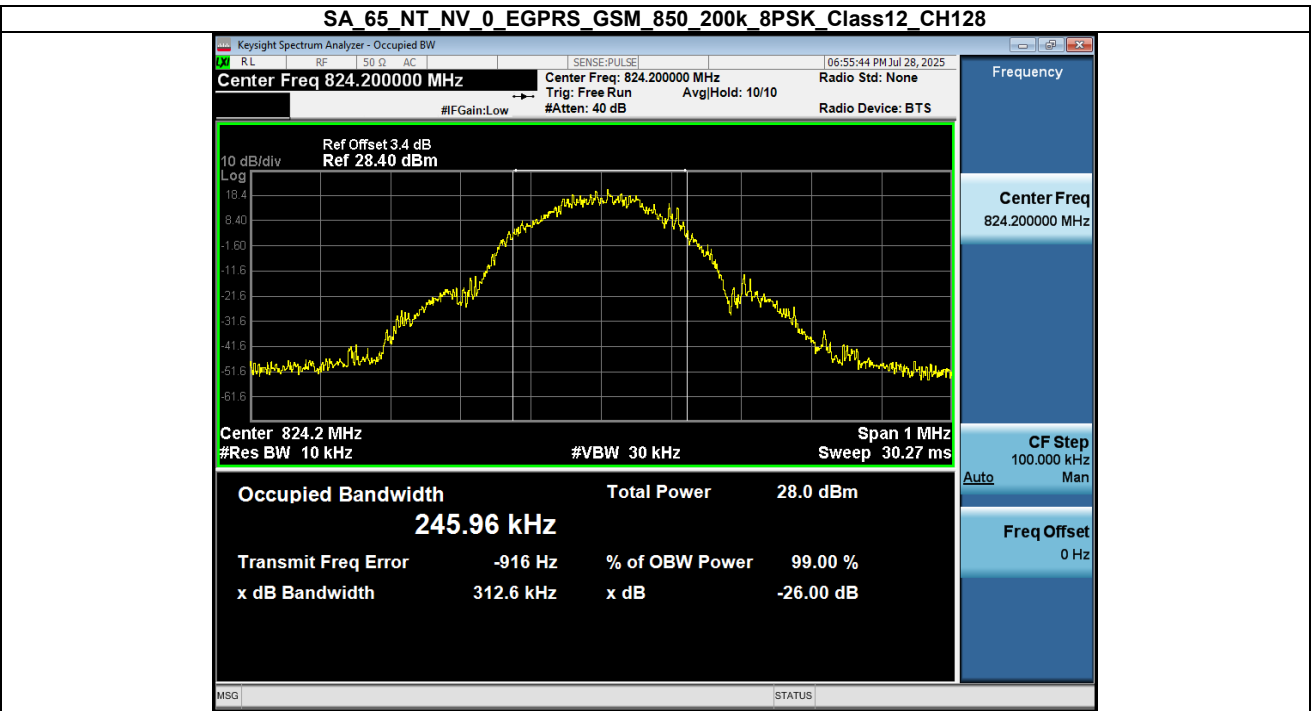
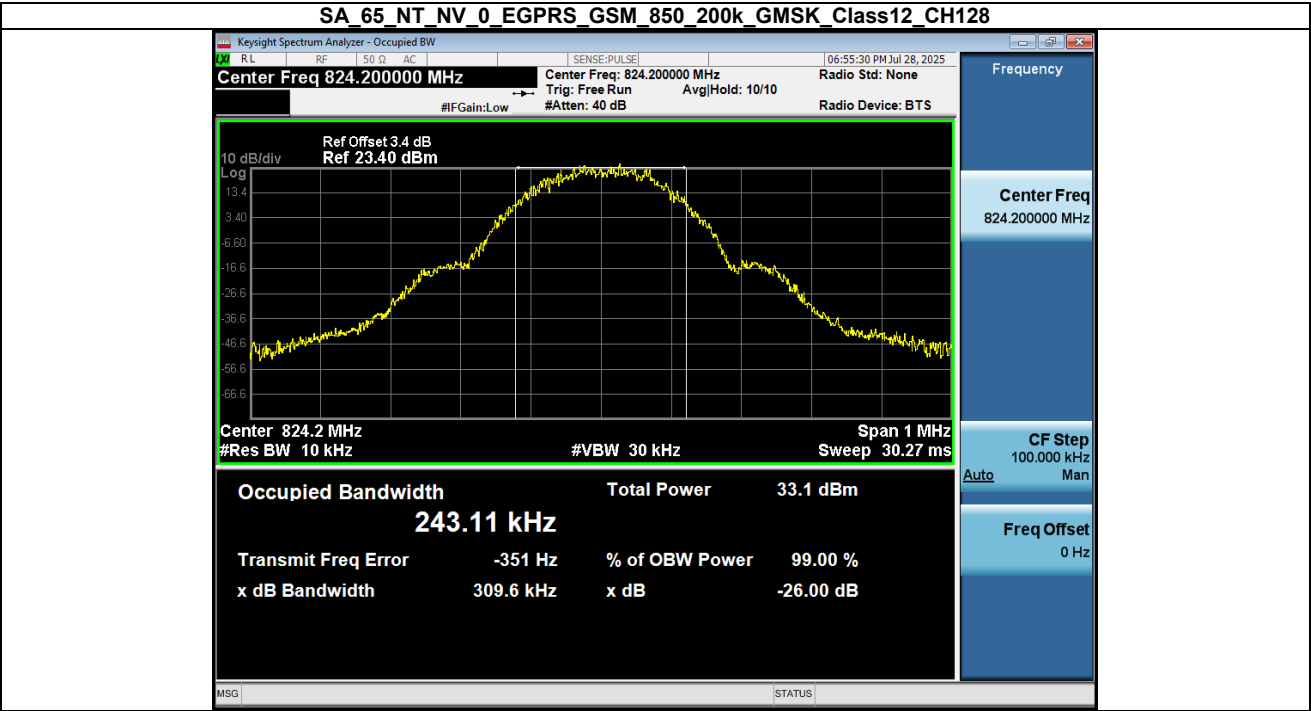
1. Conducted Output Power&&EIRP/ERP

Services	Band	Modulation	Class Type	Frequency(MHz)	Conducted Power(dBm)	ANT Gain(dBi)	ERP(dBm)	limit(dBm)	Result
EGPRS	GSM 850	GMSK	Class8	824.2	30.79	0.72	29.36	38.45	Pass
EGPRS	GSM 850	GMSK	Class10	824.2	30.08	0.72	28.65	38.45	Pass
EGPRS	GSM 850	GMSK	Class11	824.2	30.98	0.72	29.55	38.45	Pass
EGPRS	GSM 850	GMSK	Class12	824.2	30.90	0.72	29.47	38.45	Pass
EGPRS	GSM 850	8PSK	Class8	824.2	30.25	0.72	28.82	38.45	Pass
EGPRS	GSM 850	8PSK	Class10	824.2	30.43	0.72	29.00	38.45	Pass
EGPRS	GSM 850	8PSK	Class11	824.2	29.90	0.72	28.47	38.45	Pass
EGPRS	GSM 850	8PSK	Class12	824.2	30.61	0.72	29.18	38.45	Pass
EGPRS	GSM 850	GMSK	Class8	836.6	30.42	0.72	28.99	38.45	Pass
EGPRS	GSM 850	GMSK	Class10	836.6	30.39	0.72	28.96	38.45	Pass
EGPRS	GSM 850	GMSK	Class11	836.6	30.76	0.72	29.33	38.45	Pass
EGPRS	GSM 850	GMSK	Class12	836.6	30.27	0.72	28.84	38.45	Pass
EGPRS	GSM 850	8PSK	Class8	836.6	30.12	0.72	28.69	38.45	Pass
EGPRS	GSM 850	8PSK	Class10	836.6	30.43	0.72	29.00	38.45	Pass
EGPRS	GSM 850	8PSK	Class11	836.6	30.85	0.72	29.42	38.45	Pass
EGPRS	GSM 850	8PSK	Class12	836.6	29.69	0.72	28.26	38.45	Pass
EGPRS	GSM 850	GMSK	Class8	848.8	30.00	0.72	28.57	38.45	Pass
EGPRS	GSM 850	GMSK	Class10	848.8	30.75	0.72	29.32	38.45	Pass
EGPRS	GSM 850	GMSK	Class11	848.8	30.30	0.72	28.87	38.45	Pass
EGPRS	GSM 850	GMSK	Class12	848.8	29.78	0.72	28.35	38.45	Pass
EGPRS	GSM 850	8PSK	Class8	848.8	30.47	0.72	29.04	38.45	Pass
EGPRS	GSM 850	8PSK	Class10	848.8	30.41	0.72	28.98	38.45	Pass
EGPRS	GSM 850	8PSK	Class11	848.8	30.00	0.72	28.57	38.45	Pass
EGPRS	GSM 850	8PSK	Class12	848.8	29.60	0.72	28.17	38.45	Pass

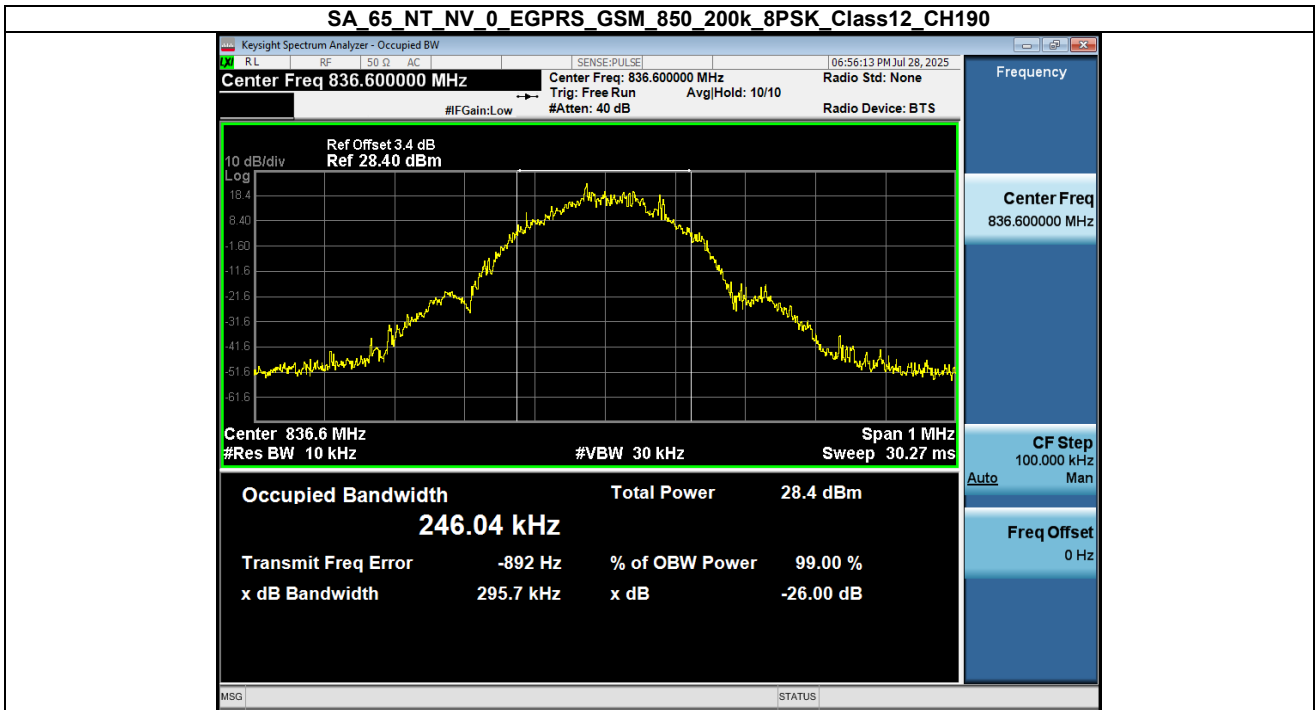
ERP = Conducted Power + ANT Gain - 2.15

2. Occupied Bandwidth

Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	OBW(MHz)	26EBW(MHz)
NVNT	EGPRS	GSM 850	GMSK	Class12	824.2	0.2431	0.3096
NVNT	EGPRS	GSM 850	8PSK	Class12	824.2	0.2460	0.3126
NVNT	EGPRS	GSM 850	GMSK	Class12	836.6	0.2457	0.3190
NVNT	EGPRS	GSM 850	8PSK	Class12	836.6	0.2460	0.2957
NVNT	EGPRS	GSM 850	GMSK	Class12	848.8	0.2422	0.3137
NVNT	EGPRS	GSM 850	8PSK	Class12	848.8	0.2399	0.2931



SA_65_NT_NV_0_EGPRS_GSM_850_200k_GMSK_Class12_CH190



SA_65_NT_NV_0_EGPRS_GSM_850_200k_GMSK_Class12_CH251

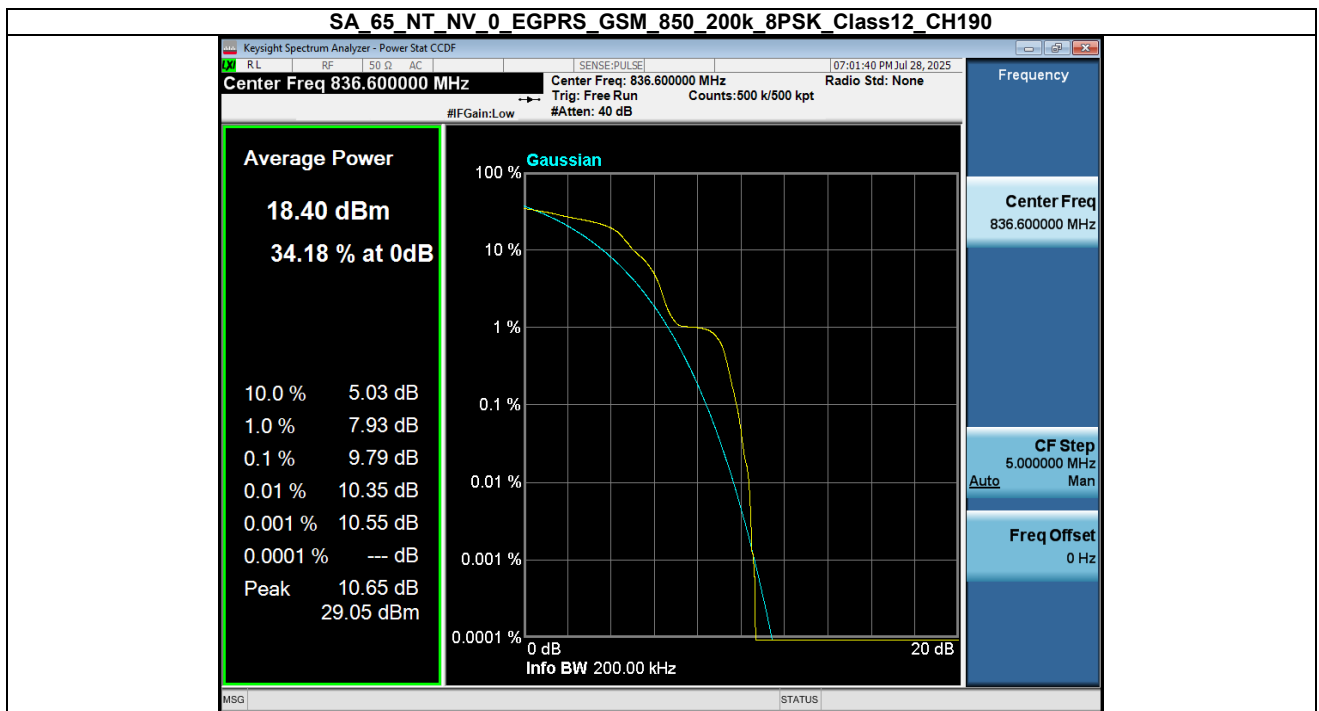
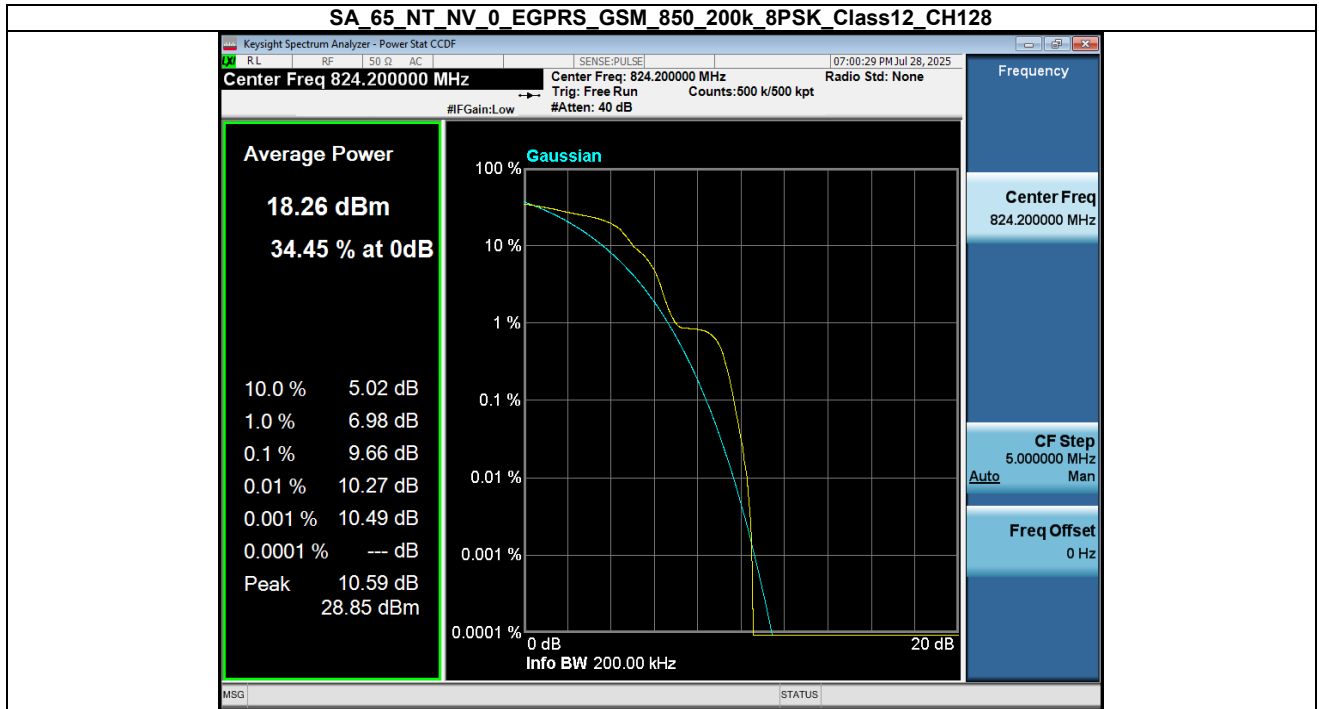


SA_65_NT_NV_0_EGPRS_GSM_850_200k_8PSK_Class12_CH251

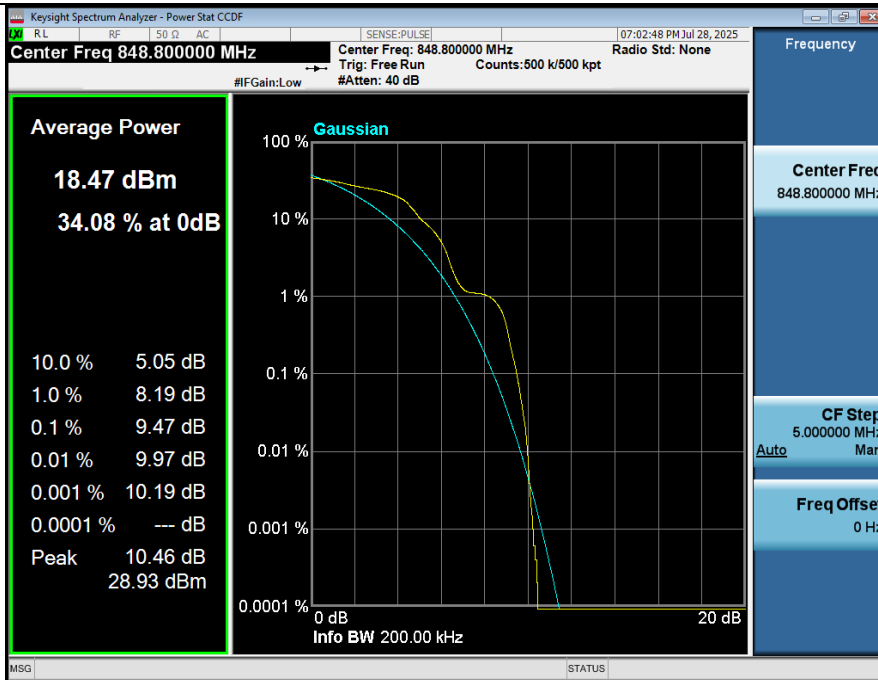


3. Peak to Average Ratio

Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NVNT	EGPRS	GSM 850	8PSK	Class12	824.2	9.66	13.00	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	836.6	9.79	13.00	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	848.8	9.47	13.00	Pass



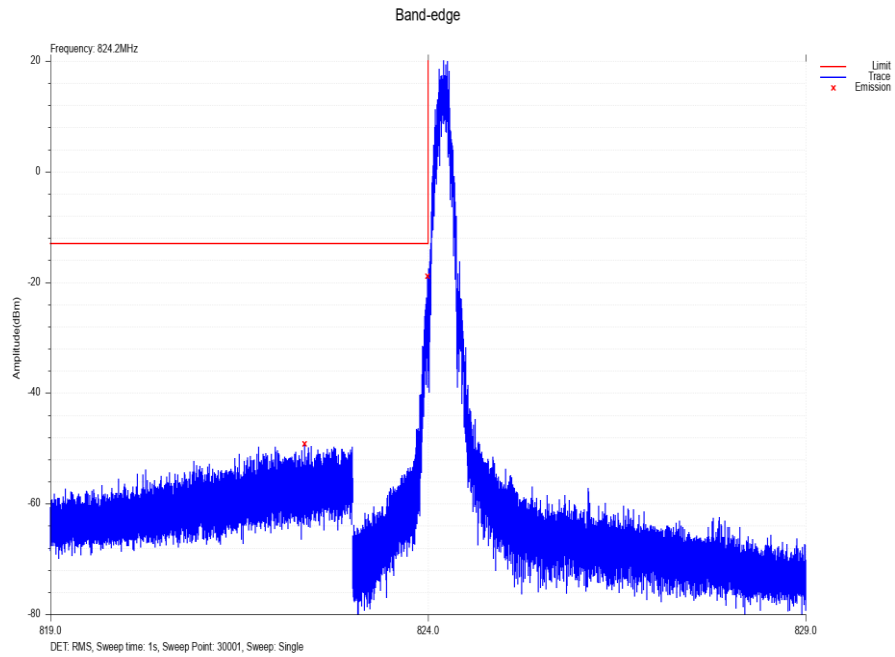
SA_65_NT_NV_0_EGPRS_GSM_850_200k_8PSK_Class12_CH251



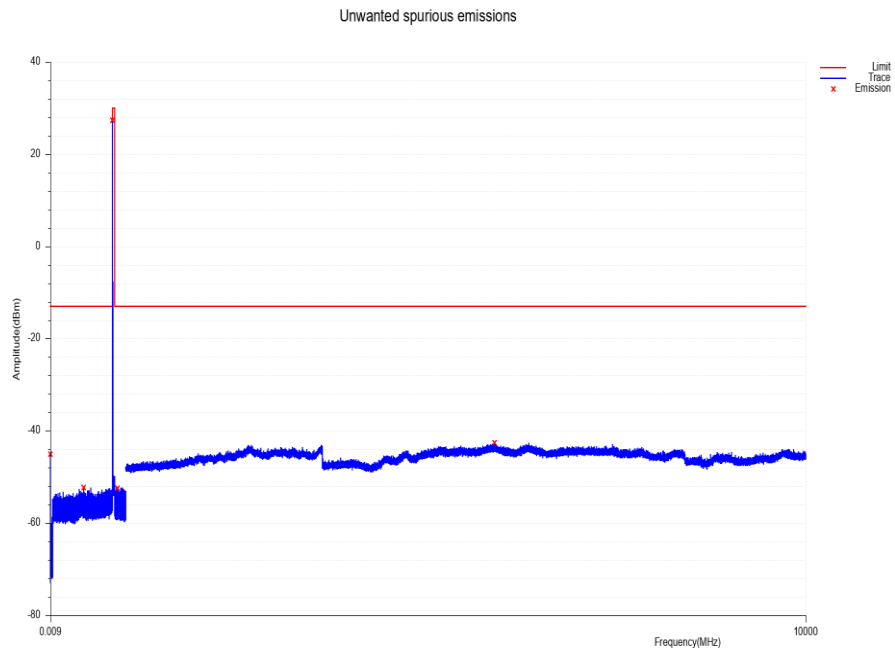
4. Unwanted Spurious Emission

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	GSM 850	8PSK	Class12	824.20	1000	819.0~823.0	822.364	-49.23	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	824.20	3	823.0~824.0	823.996	-18.94	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	824.20	1	0.009~0.150	0.010	-45.07	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	824.20	10	0.150~30.000	0.152	-45.07	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	824.20	100	30.000~819.000	443.120	-52.27	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	824.20	100	854.000~1000.000	885.619	-52.43	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	824.20	1000	1000.000~10000.000	5882.800	-42.54	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	836.60	1	0.009~0.150	0.009	-43.76	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	836.60	10	0.150~30.000	0.153	-45.96	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	836.60	100	30.000~819.000	787.782	-51.67	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	836.60	100	854.000~1000.000	894.622	-52.71	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	836.60	1000	1000.000~10000.000	6250.600	-42.88	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	848.80	3	849.0~850.0	849.010	-19.48	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	848.80	1000	850.0~854.0	850.263	-47.21	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	848.80	1	0.009~0.150	0.011	-44.97	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	848.80	10	0.150~30.000	0.175	-46.88	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	848.80	100	30.000~819.000	799.643	-51.58	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	848.80	100	854.000~1000.000	872.844	-52.19	-13	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	848.80	1000	1000.000~10000.000	5878.900	-42.61	-13	Pass

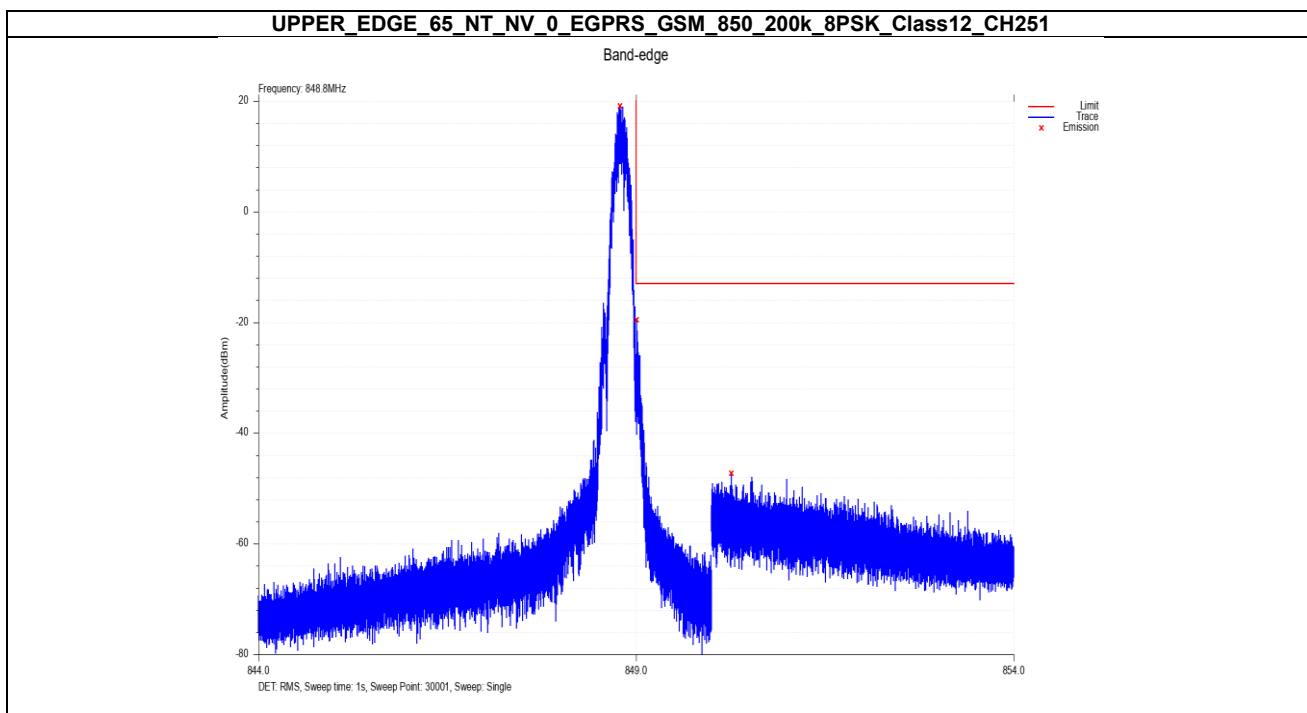
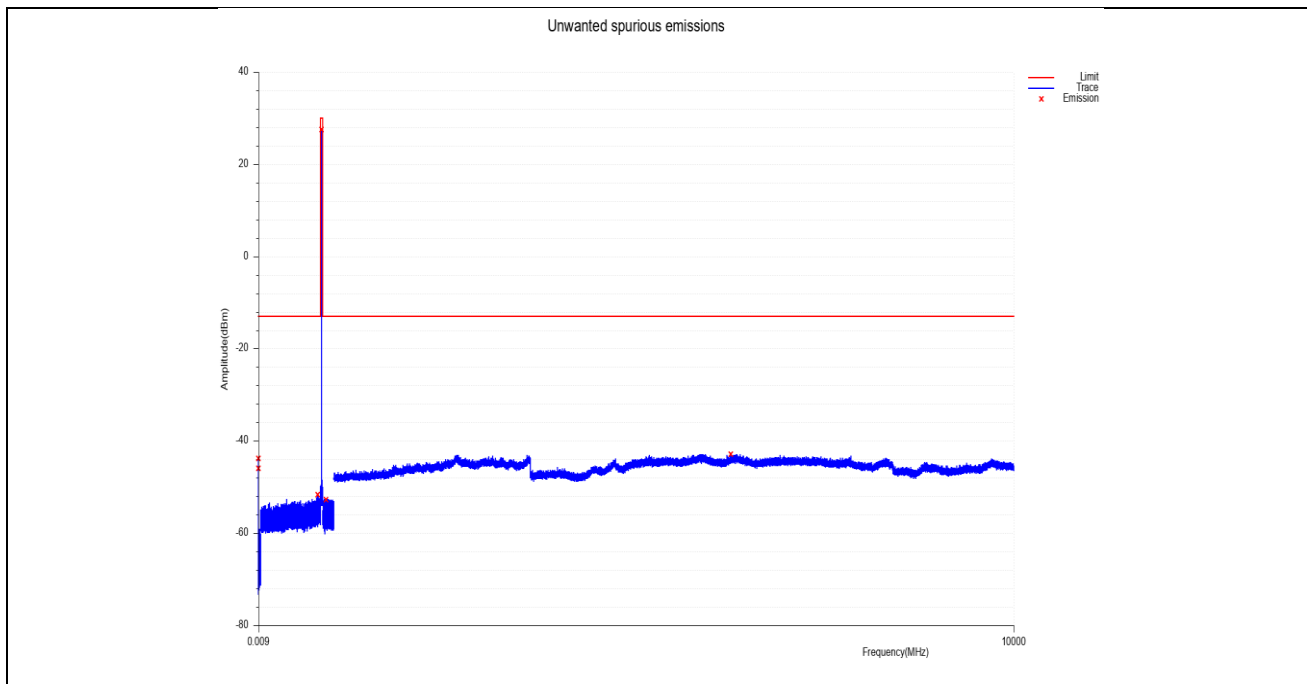
LOW_EDGE_65_NT_NV_0 EGPRS_GSM_850_200k_8PSK_Class12_CH128



SA_65_NT_NV_0 EGPRS_GSM_850_200k_8PSK_Class12_CH128



SA_65_NT_NV_0 EGPRS_GSM_850_200k_8PSK_Class12_CH190



SA_65_NT_NV_0_EGPRS_GSM_850_200k_8PSK_Class12_CH251

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	GSM 850	8PSK	Class12	824.2	0.0017	-2.50	2.50	Pass
-30	3.47	EGPRS	GSM 850	8PSK	Class12	836.6	0.0019	-2.50	2.50	Pass
-30	3.47	EGPRS	GSM 850	8PSK	Class12	848.8	0.0040	-2.50	2.50	Pass
-30	3.85	EGPRS	GSM 850	8PSK	Class12	824.2	0.0063	-2.50	2.50	Pass
-30	3.85	EGPRS	GSM 850	8PSK	Class12	836.6	0.0047	-2.50	2.50	Pass
-30	3.85	EGPRS	GSM 850	8PSK	Class12	848.8	0.0070	-2.50	2.50	Pass
-30	4.24	EGPRS	GSM 850	8PSK	Class12	824.2	0.0034	-2.50	2.50	Pass
-30	4.24	EGPRS	GSM 850	8PSK	Class12	836.6	0.0024	-2.50	2.50	Pass
-30	4.24	EGPRS	GSM 850	8PSK	Class12	848.8	0.0036	-2.50	2.50	Pass
-20	3.47	EGPRS	GSM 850	8PSK	Class12	824.2	0.0026	-2.50	2.50	Pass
-20	3.47	EGPRS	GSM 850	8PSK	Class12	836.6	0.0009	-2.50	2.50	Pass
-20	3.47	EGPRS	GSM 850	8PSK	Class12	848.8	0.0068	-2.50	2.50	Pass
-20	3.85	EGPRS	GSM 850	8PSK	Class12	824.2	0.0051	-2.50	2.50	Pass
-20	3.85	EGPRS	GSM 850	8PSK	Class12	836.6	0.0044	-2.50	2.50	Pass
-20	3.85	EGPRS	GSM 850	8PSK	Class12	848.8	0.0029	-2.50	2.50	Pass
-20	4.24	EGPRS	GSM 850	8PSK	Class12	824.2	0.0001	-2.50	2.50	Pass
-20	4.24	EGPRS	GSM 850	8PSK	Class12	836.6	0.0057	-2.50	2.50	Pass
-20	4.24	EGPRS	GSM 850	8PSK	Class12	848.8	0.0046	-2.50	2.50	Pass
-10	3.47	EGPRS	GSM 850	8PSK	Class12	824.2	0.0047	-2.50	2.50	Pass
-10	3.47	EGPRS	GSM 850	8PSK	Class12	836.6	0.0021	-2.50	2.50	Pass
-10	3.47	EGPRS	GSM 850	8PSK	Class12	848.8	0.0070	-2.50	2.50	Pass
-10	3.85	EGPRS	GSM 850	8PSK	Class12	824.2	0.0009	-2.50	2.50	Pass
-10	3.85	EGPRS	GSM 850	8PSK	Class12	836.6	0.0016	-2.50	2.50	Pass
-10	3.85	EGPRS	GSM 850	8PSK	Class12	848.8	0.0026	-2.50	2.50	Pass
-10	4.24	EGPRS	GSM 850	8PSK	Class12	824.2	0.0024	-2.50	2.50	Pass
-10	4.24	EGPRS	GSM 850	8PSK	Class12	836.6	0.0066	-2.50	2.50	Pass
-10	4.24	EGPRS	GSM 850	8PSK	Class12	848.8	0.0042	-2.50	2.50	Pass
0	3.47	EGPRS	GSM 850	8PSK	Class12	824.2	0.0008	-2.50	2.50	Pass
0	3.47	EGPRS	GSM 850	8PSK	Class12	836.6	0.0040	-2.50	2.50	Pass
0	3.47	EGPRS	GSM 850	8PSK	Class12	848.8	0.0043	-2.50	2.50	Pass
0	3.85	EGPRS	GSM 850	8PSK	Class12	824.2	0.0021	-2.50	2.50	Pass
0	3.85	EGPRS	GSM 850	8PSK	Class12	836.6	0.0015	-2.50	2.50	Pass
0	3.85	EGPRS	GSM 850	8PSK	Class12	848.8	0.0068	-2.50	2.50	Pass
0	4.24	EGPRS	GSM 850	8PSK	Class12	824.2	0.0041	-2.50	2.50	Pass

			850							
0	4.24	EGPRS	GSM 850	8PSK	Class12	836.6	0.0028	-2.50	2.50	Pass
0	4.24	EGPRS	GSM 850	8PSK	Class12	848.8	0.0055	-2.50	2.50	Pass
10	3.47	EGPRS	GSM 850	8PSK	Class12	824.2	0.0027	-2.50	2.50	Pass
10	3.47	EGPRS	GSM 850	8PSK	Class12	836.6	0.0065	-2.50	2.50	Pass
10	3.47	EGPRS	GSM 850	8PSK	Class12	848.8	0.0039	-2.50	2.50	Pass
10	3.85	EGPRS	GSM 850	8PSK	Class12	824.2	0.0058	-2.50	2.50	Pass
10	3.85	EGPRS	GSM 850	8PSK	Class12	836.6	0.0048	-2.50	2.50	Pass
10	3.85	EGPRS	GSM 850	8PSK	Class12	848.8	0.0048	-2.50	2.50	Pass
10	4.24	EGPRS	GSM 850	8PSK	Class12	824.2	0.0021	-2.50	2.50	Pass
10	4.24	EGPRS	GSM 850	8PSK	Class12	836.6	0.0029	-2.50	2.50	Pass
10	4.24	EGPRS	GSM 850	8PSK	Class12	848.8	0.0061	-2.50	2.50	Pass
20	3.47	EGPRS	GSM 850	8PSK	Class12	824.2	0.0013	-2.50	2.50	Pass
20	3.47	EGPRS	GSM 850	8PSK	Class12	836.6	0.0049	-2.50	2.50	Pass
20	3.47	EGPRS	GSM 850	8PSK	Class12	848.8	0.0051	-2.50	2.50	Pass
20	3.85	EGPRS	GSM 850	8PSK	Class12	824.2	0.0020	-2.50	2.50	Pass
20	3.85	EGPRS	GSM 850	8PSK	Class12	836.6	0.0052	-2.50	2.50	Pass
20	3.85	EGPRS	GSM 850	8PSK	Class12	848.8	0.0043	-2.50	2.50	Pass
20	4.24	EGPRS	GSM 850	8PSK	Class12	824.2	0.0051	-2.50	2.50	Pass
20	4.24	EGPRS	GSM 850	8PSK	Class12	836.6	0.0005	-2.50	2.50	Pass
20	4.24	EGPRS	GSM 850	8PSK	Class12	848.8	0.0029	-2.50	2.50	Pass
30	3.47	EGPRS	GSM 850	8PSK	Class12	824.2	0.0016	-2.50	2.50	Pass
30	3.47	EGPRS	GSM 850	8PSK	Class12	836.6	0.0071	-2.50	2.50	Pass
30	3.47	EGPRS	GSM 850	8PSK	Class12	848.8	0.0058	-2.50	2.50	Pass
30	3.85	EGPRS	GSM 850	8PSK	Class12	824.2	0.0027	-2.50	2.50	Pass
30	3.85	EGPRS	GSM 850	8PSK	Class12	836.6	0.0070	-2.50	2.50	Pass
30	3.85	EGPRS	GSM 850	8PSK	Class12	848.8	0.0035	-2.50	2.50	Pass
30	4.24	EGPRS	GSM 850	8PSK	Class12	824.2	0.0042	-2.50	2.50	Pass
30	4.24	EGPRS	GSM 850	8PSK	Class12	836.6	0.0075	-2.50	2.50	Pass
30	4.24	EGPRS	GSM 850	8PSK	Class12	848.8	0.0050	-2.50	2.50	Pass
40	3.47	EGPRS	GSM 850	8PSK	Class12	824.2	0.0067	-2.50	2.50	Pass
40	3.47	EGPRS	GSM 850	8PSK	Class12	836.6	0.0018	-2.50	2.50	Pass
40	3.47	EGPRS	GSM 850	8PSK	Class12	848.8	0.0026	-2.50	2.50	Pass
40	3.85	EGPRS	GSM 850	8PSK	Class12	824.2	0.0041	-2.50	2.50	Pass
40	3.85	EGPRS	GSM 850	8PSK	Class12	836.6	0.0041	-2.50	2.50	Pass
40	3.85	EGPRS	GSM 850	8PSK	Class12	848.8	0.0038	-2.50	2.50	Pass
40	4.24	EGPRS	GSM 850	8PSK	Class12	824.2	0.0021	-2.50	2.50	Pass
40	4.24	EGPRS	GSM 850	8PSK	Class12	836.6	0.0038	-2.50	2.50	Pass
40	4.24	EGPRS	GSM 850	8PSK	Class12	848.8	0.0037	-2.50	2.50	Pass

50	3.47	EGPRS	GSM 850	8PSK	Class12	824.2	0.0024	-2.50	2.50	Pass
50	3.47	EGPRS	GSM 850	8PSK	Class12	836.6	0.0007	-2.50	2.50	Pass
50	3.47	EGPRS	GSM 850	8PSK	Class12	848.8	0.0031	-2.50	2.50	Pass
50	3.85	EGPRS	GSM 850	8PSK	Class12	824.2	0.0023	-2.50	2.50	Pass
50	3.85	EGPRS	GSM 850	8PSK	Class12	836.6	0.0032	-2.50	2.50	Pass
50	3.85	EGPRS	GSM 850	8PSK	Class12	848.8	0.0060	-2.50	2.50	Pass
50	4.24	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0003	-2.50	2.50	Pass
50	4.24	EGPRS	GSM 850	8PSK	Class12	836.6	0.0018	-2.50	2.50	Pass
50	4.24	EGPRS	GSM 850	8PSK	Class12	848.8	0.0034	-2.50	2.50	Pass