

FCC ID: M7C-EID1400

ANNEX A

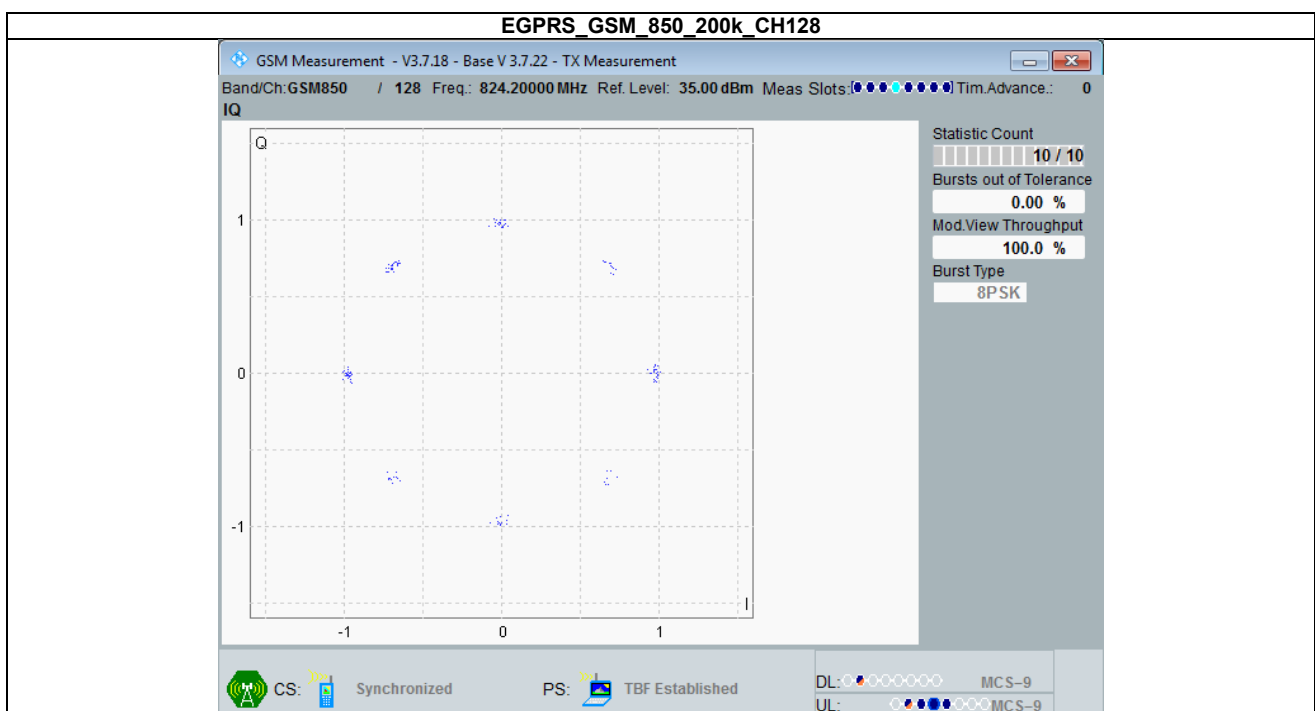
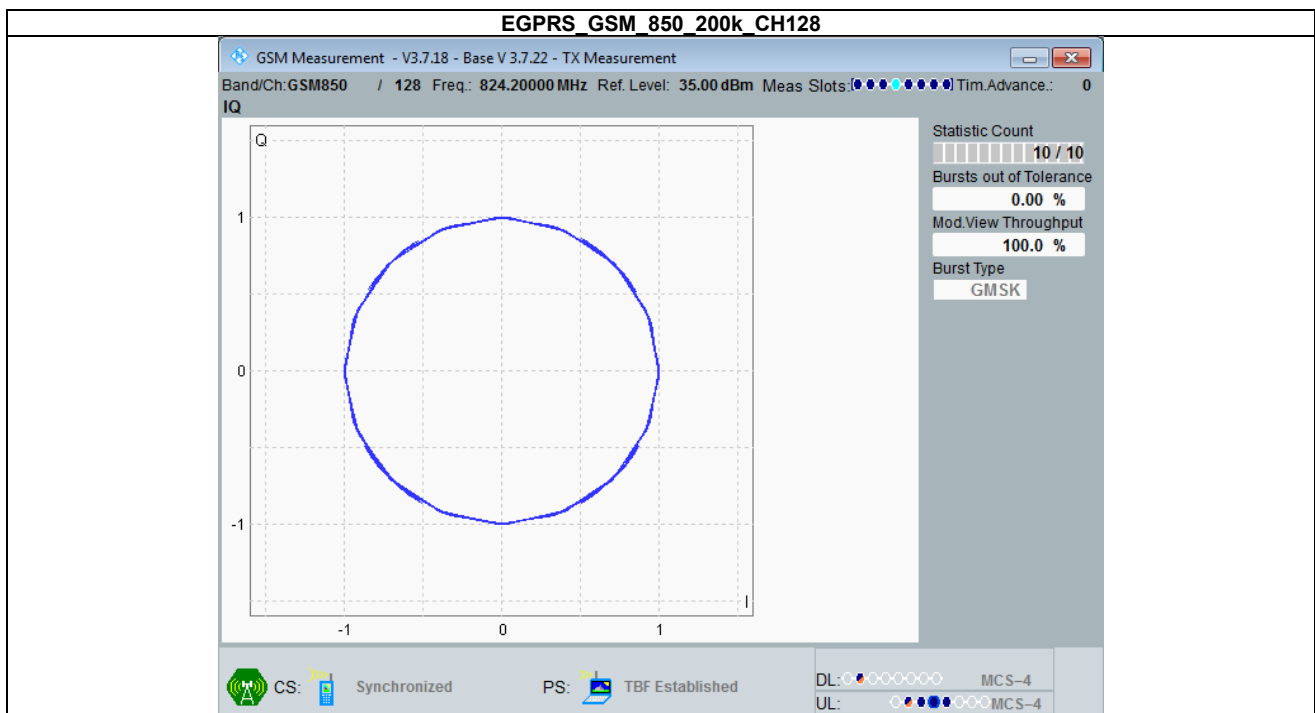
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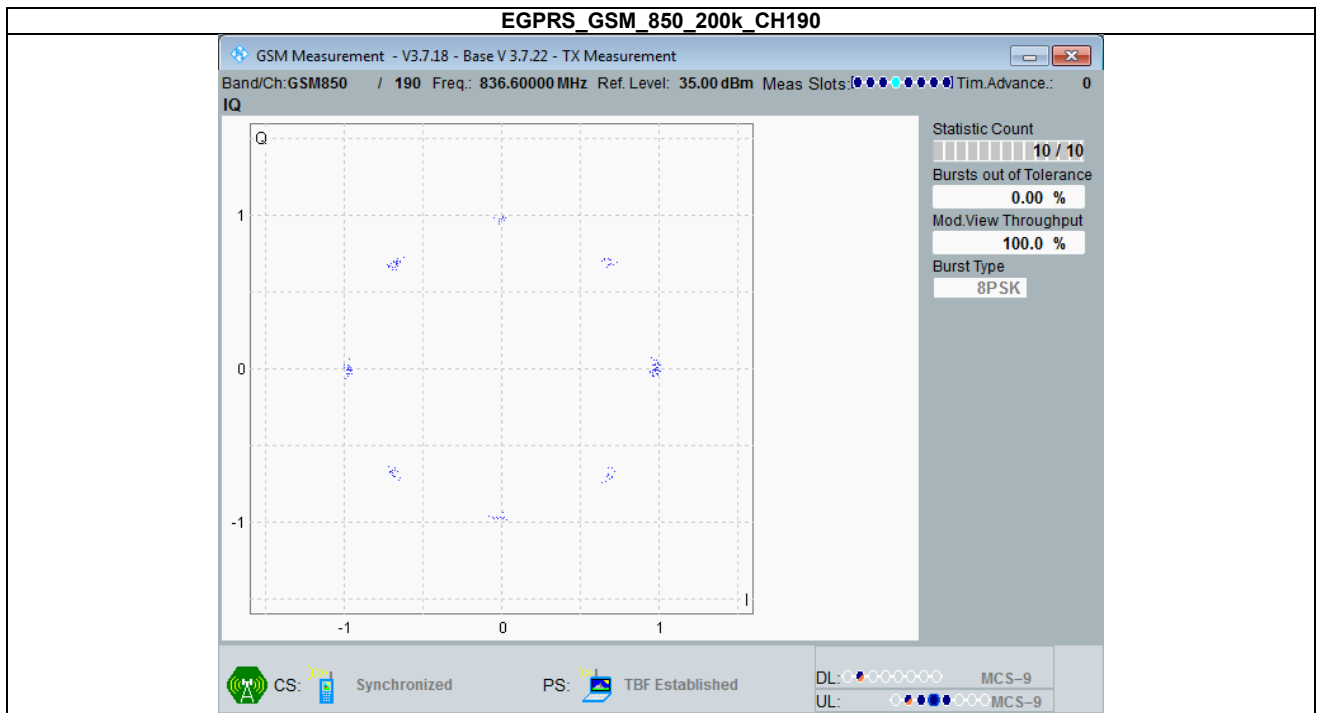
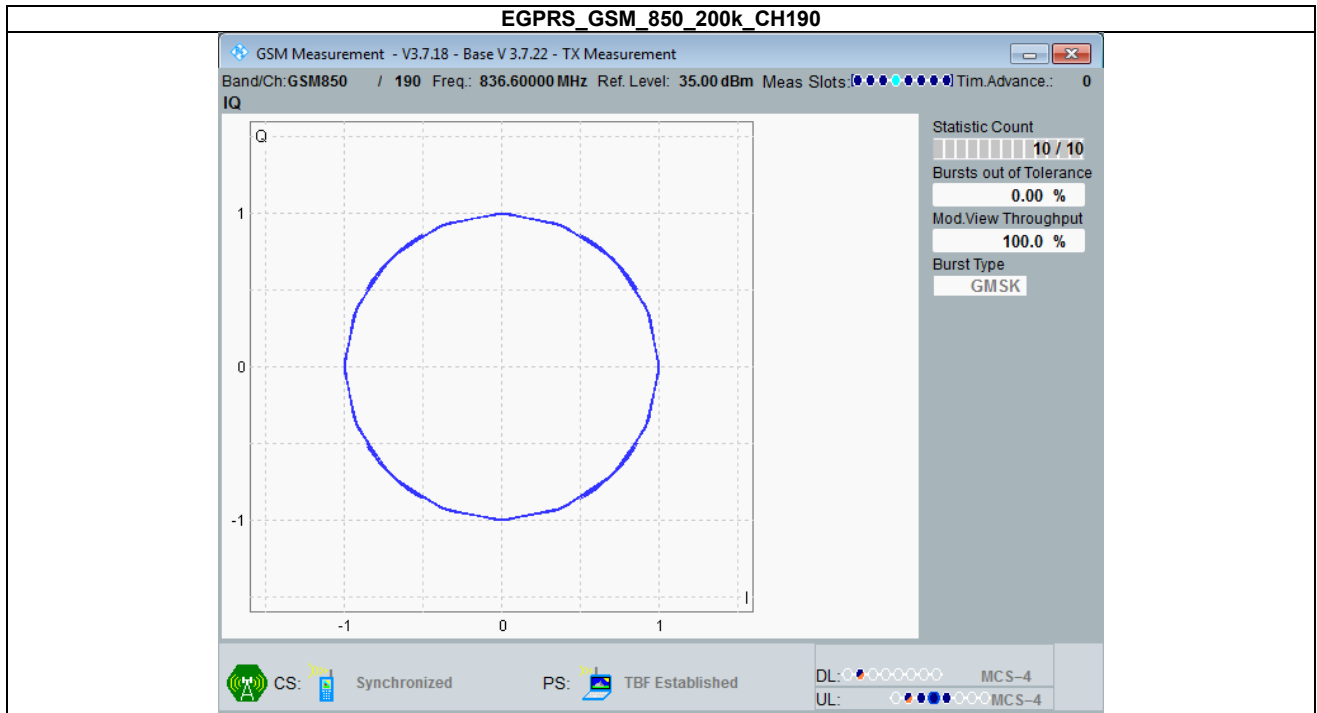
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FCC EGPRS 850 Test Data

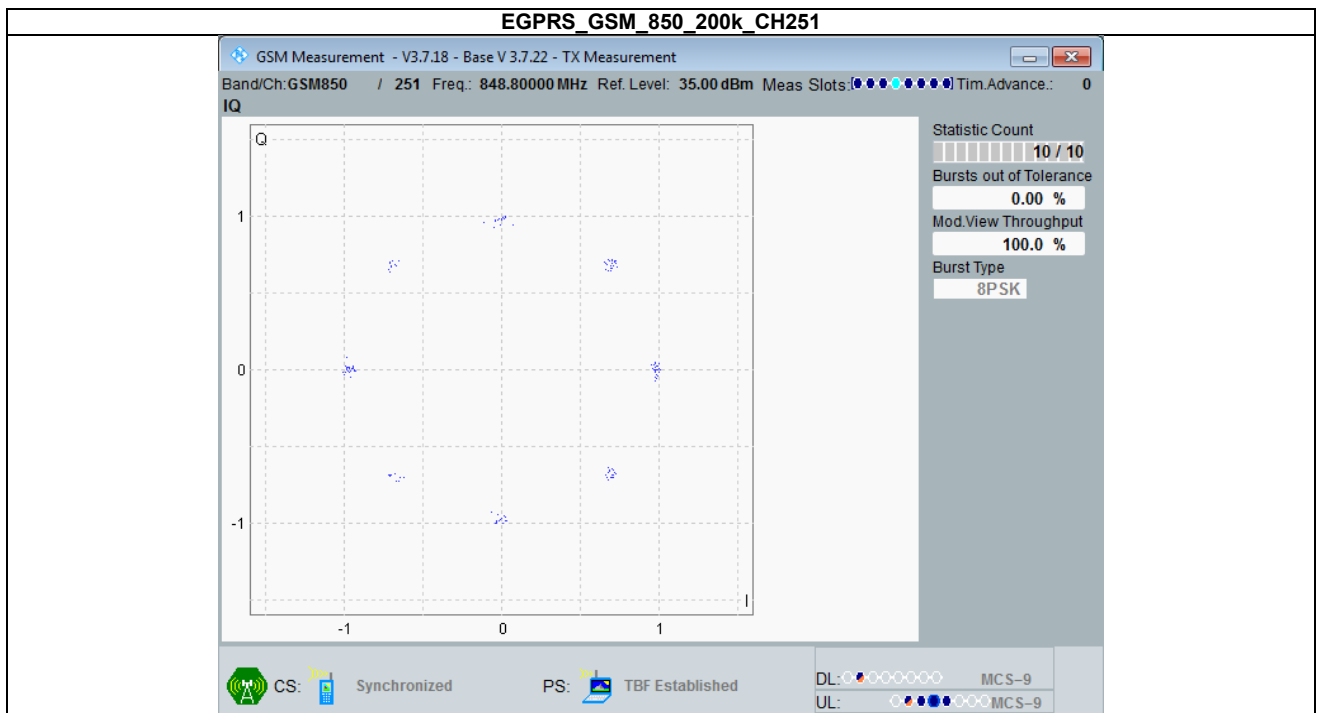
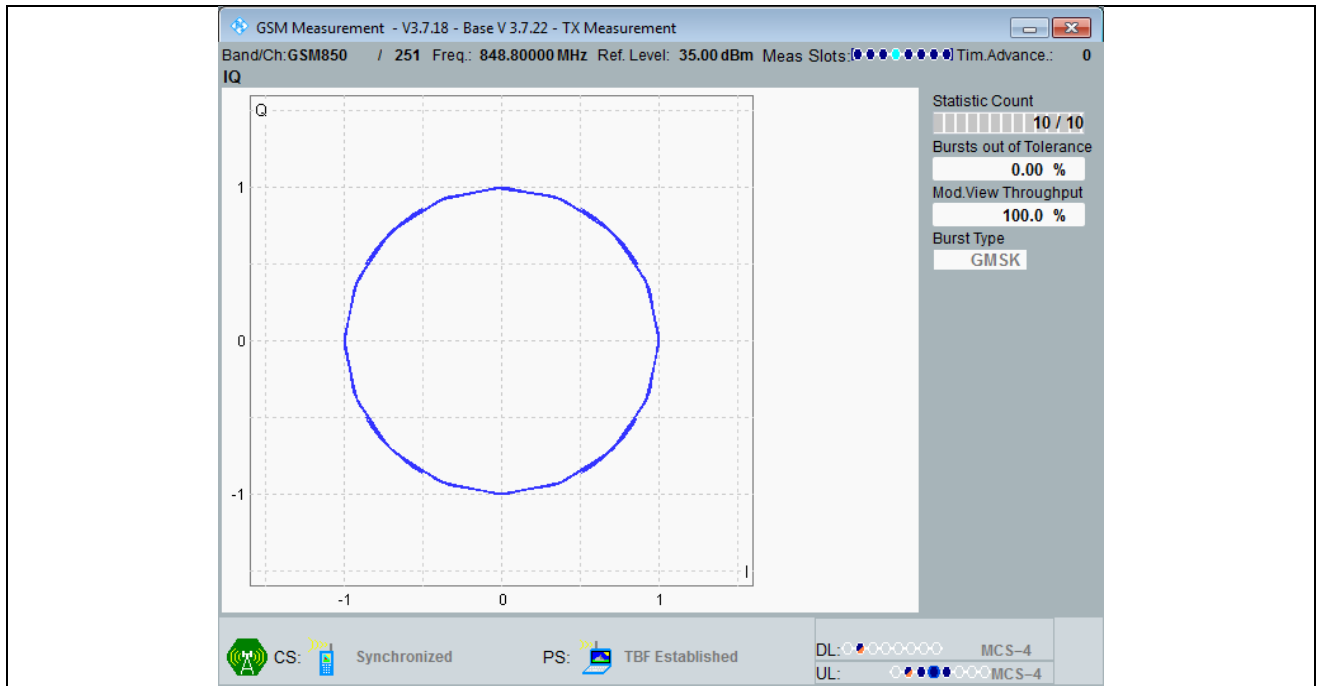
1. Modulation Characteristics

Band	Modulation	Frequency(MHz)	Result
GSM 850	GMSK	824.2	See the photograph
GSM 850	8PSK	824.2	See the photograph
GSM 850	GMSK	836.6	See the photograph
GSM 850	8PSK	836.6	See the photograph
GSM 850	GMSK	848.8	See the photograph
GSM 850	8PSK	848.8	See the photograph





EGPRS_GSM_850_200k_CH251



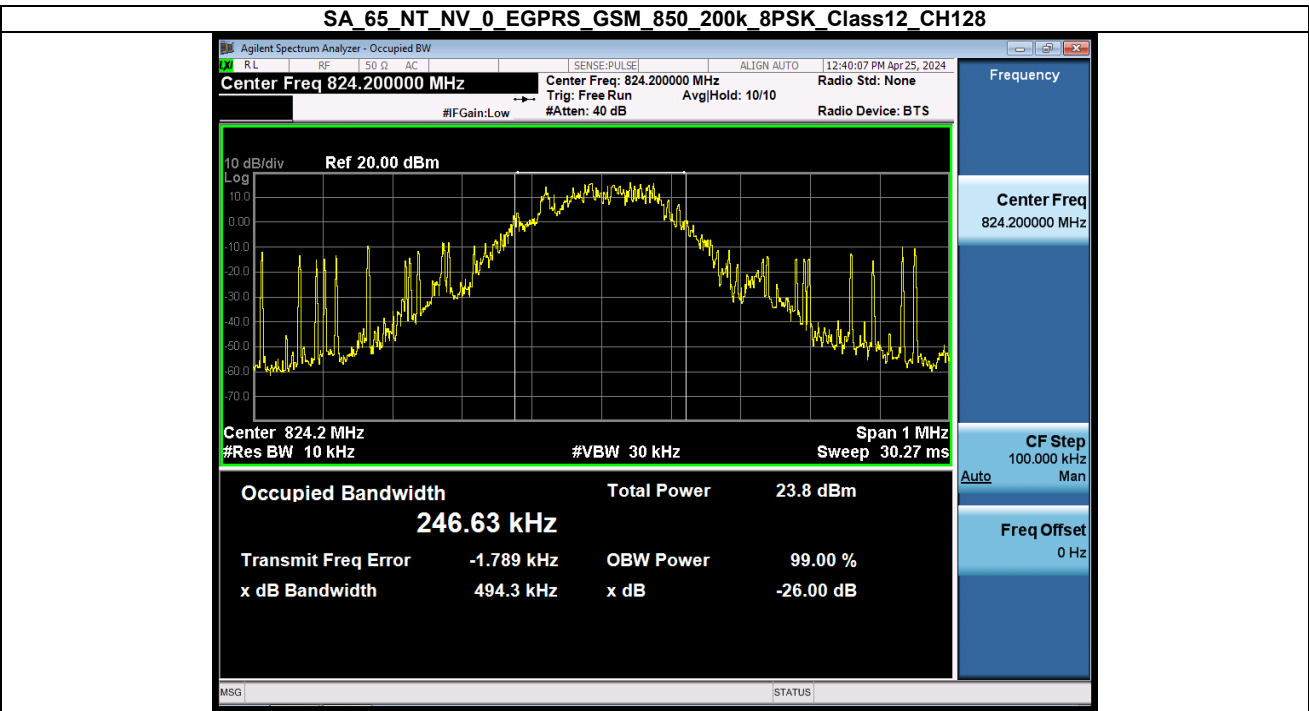
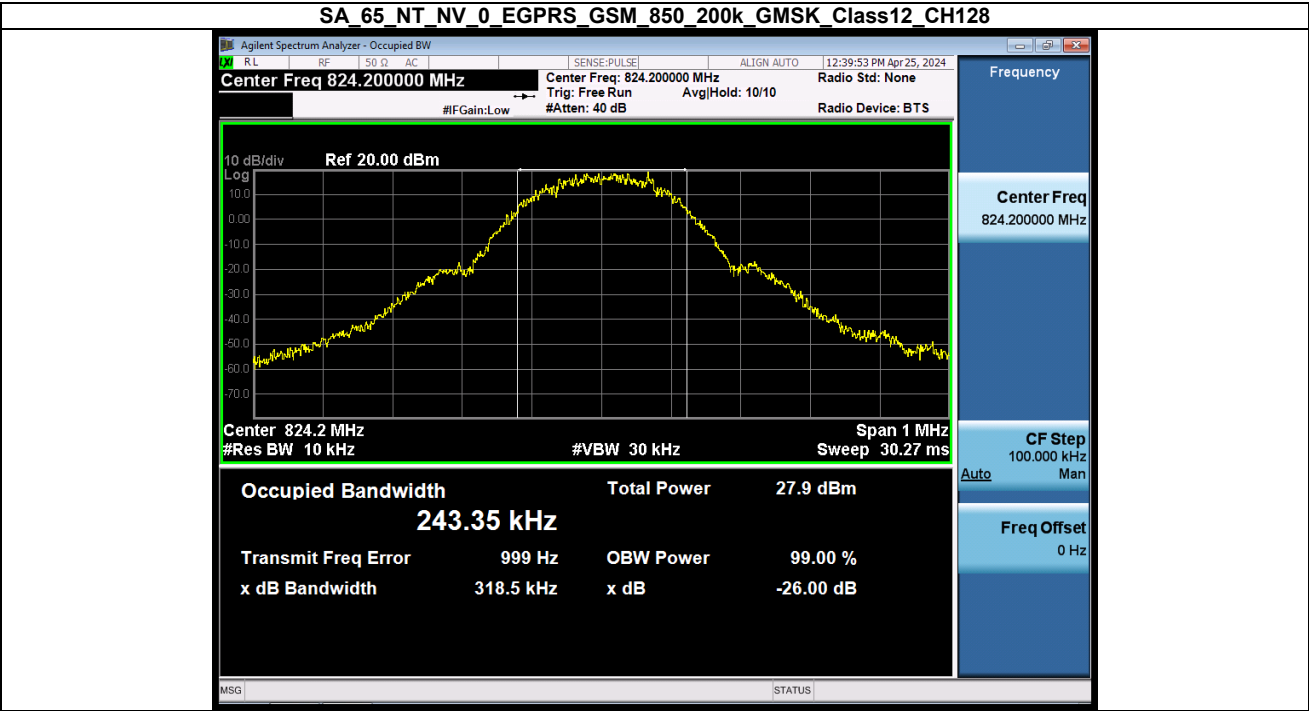
2. Conducted Output Power&&EIRP/ERP

Services	Band	Modulation	Class Type	Frequency(MHz)	Conducted Power(dBm)	ANT Gain(dBi)	ERP(dBm)	ERP(mW)	limit(mW)	Result	Remark
EGPRS	GSM 850	GMSK	Class8	824.2	27.46	0.5	25.81	381.07	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	GMSK	Class10	824.2	27.37	0.5	25.72	373.25	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	GMSK	Class11	824.2	27.26	0.5	25.61	363.92	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	GMSK	Class12	824.2	25.18	0.5	23.53	225.42	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	8PSK	Class8	824.2	26.02	0.5	24.37	273.53	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	8PSK	Class10	824.2	25.03	0.5	23.38	217.77	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	8PSK	Class11	824.2	20.21	0.5	18.56	71.78	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	8PSK	Class12	824.2	17.3	0.5	15.65	36.73	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	GMSK	Class8	836.6	27.29	0.5	25.64	366.44	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	GMSK	Class10	836.6	27.21	0.5	25.56	359.75	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	GMSK	Class11	836.6	27.1	0.5	25.45	350.75	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	GMSK	Class12	836.6	25.04	0.5	23.39	218.27	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	8PSK	Class8	836.6	25.13	0.5	23.48	222.84	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	8PSK	Class10	836.6	24.81	0.5	23.16	207.01	7000	Pass	ERP = Conducted Power + ANT Gain

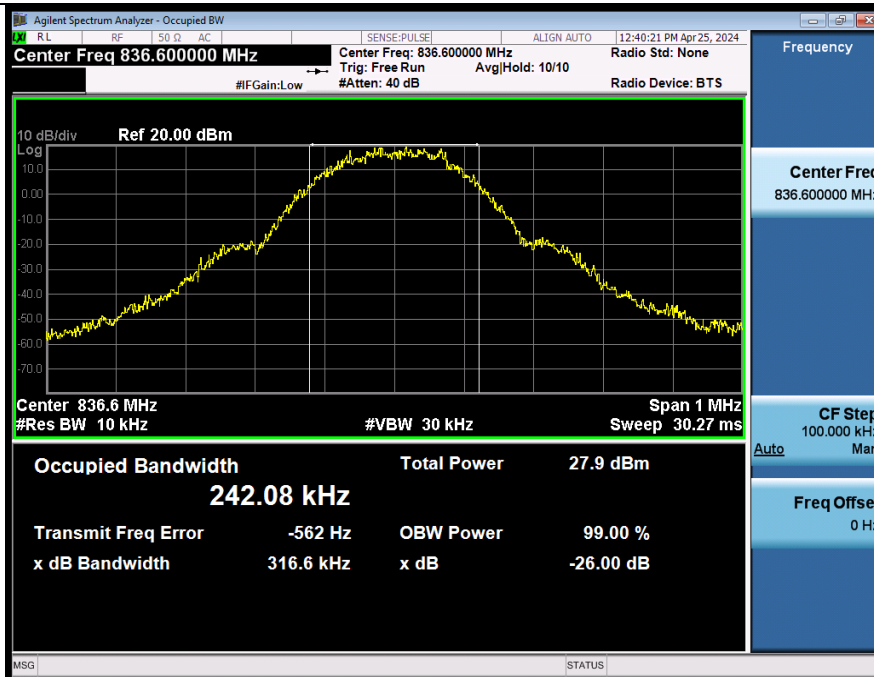
											- 2.15
EGPRS	GSM 850	8PSK	Class11	836.6	23.08	0.5	21.43	139.00	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	8PSK	Class12	836.6	18.26	0.5	16.61	45.81	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	GMSK	Class8	848.8	26.99	0.5	25.34	341.98	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	GMSK	Class10	848.8	26.91	0.5	25.26	335.74	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	GMSK	Class11	848.8	26.84	0.5	25.19	330.37	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	GMSK	Class12	848.8	24.81	0.5	23.16	207.01	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	8PSK	Class8	848.8	26.18	0.5	24.53	283.79	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	8PSK	Class10	848.8	23.35	0.5	21.70	147.91	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	8PSK	Class11	848.8	24.16	0.5	22.51	178.24	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
EGPRS	GSM 850	8PSK	Class12	848.8	17.29	0.5	15.64	36.64	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15

3. Occupied Bandwidth

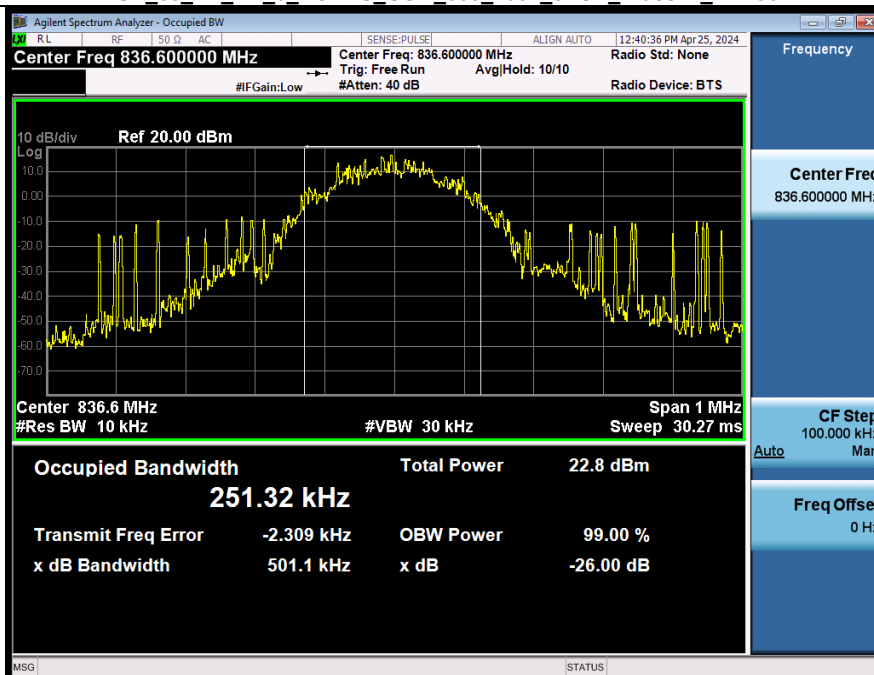
Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	OBW(MHz)	26EBW(MHz)
NVNT	EGPRS	GSM 850	GMSK	824.2	Class12	0.2433	0.3185
NVNT	EGPRS	GSM 850	8PSK	824.2	Class12	0.2466	0.4943
NVNT	EGPRS	GSM 850	GMSK	836.6	Class12	0.2421	0.3166
NVNT	EGPRS	GSM 850	8PSK	836.6	Class12	0.2513	0.5011
NVNT	EGPRS	GSM 850	GMSK	848.8	Class12	0.2422	0.3168
NVNT	EGPRS	GSM 850	8PSK	848.8	Class12	0.2463	0.3434



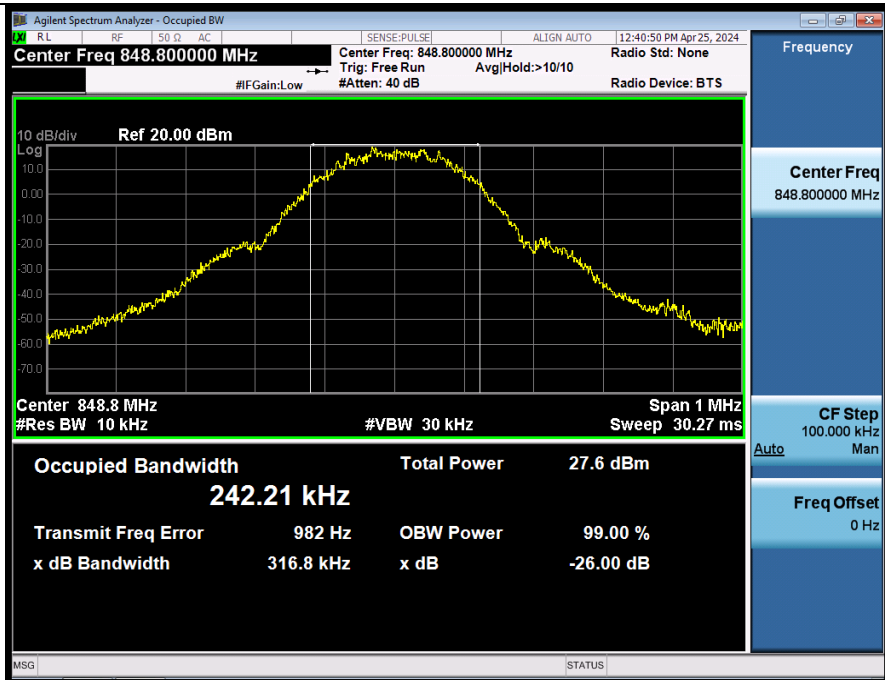
SA_65_NT_NV_0_EGPRS_GSM_850_200k_GMSK_Class12_CH190



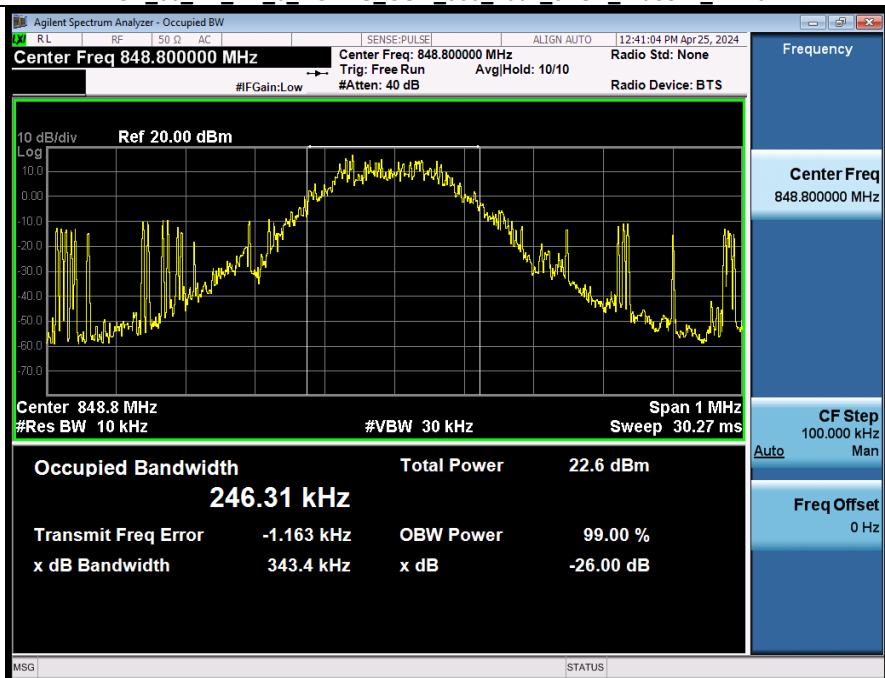
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SA_65_NT_NV_0_EGPRS_GSM_850_200k_GMSK_Class12_CH251



SA_65_NT_NV_0_EGPRS_GSM_850_200k_8PSK_Class12_CH251

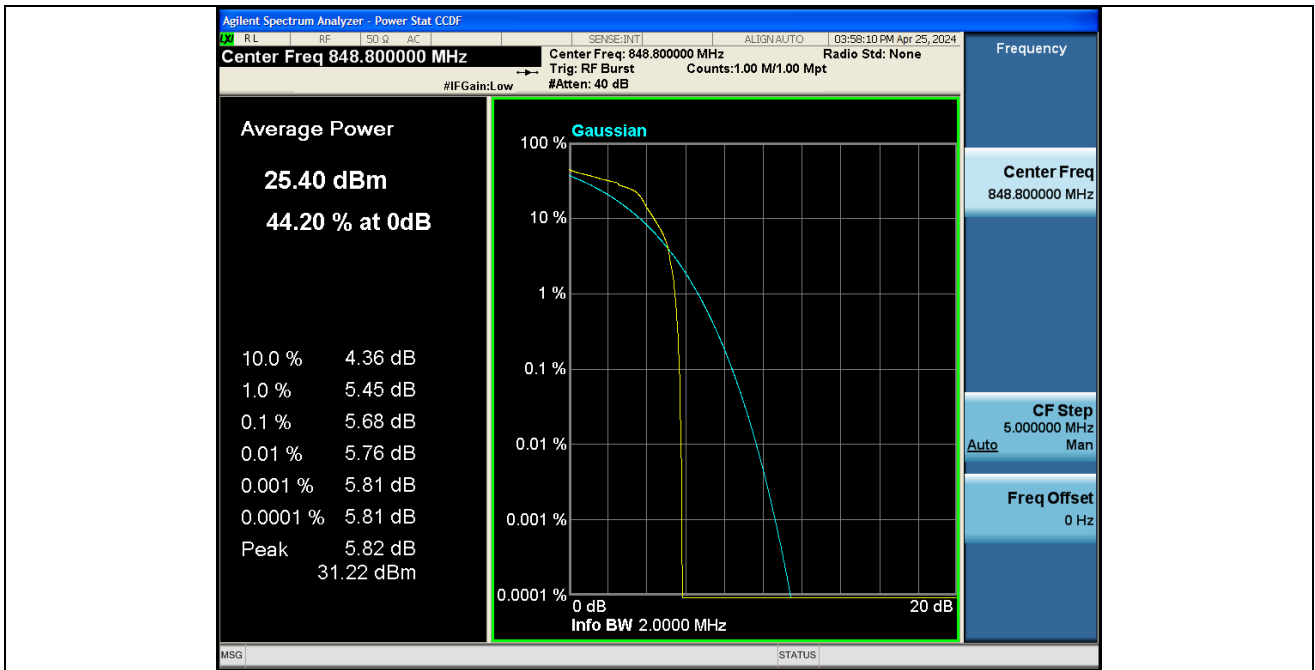


4. Peak to Average Ratio

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	5.65	13.00	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	836.6	5.61	13.00	Pass
NVNT	EGPRS	GSM 850	8PSK	Class12	848.8	5.68	13.00	Pass

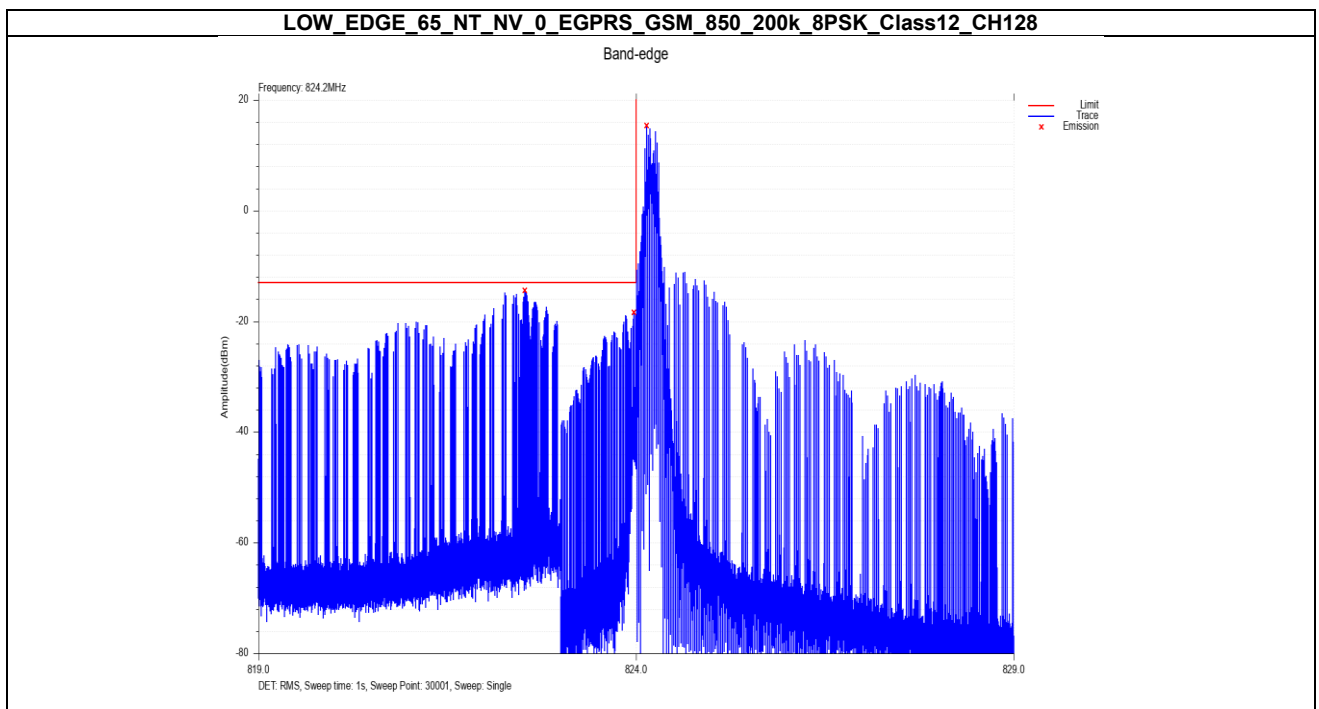


SA_65_NT_NV_0_EGPRS_GSM_850_200k_8PSK_Class12_CH251



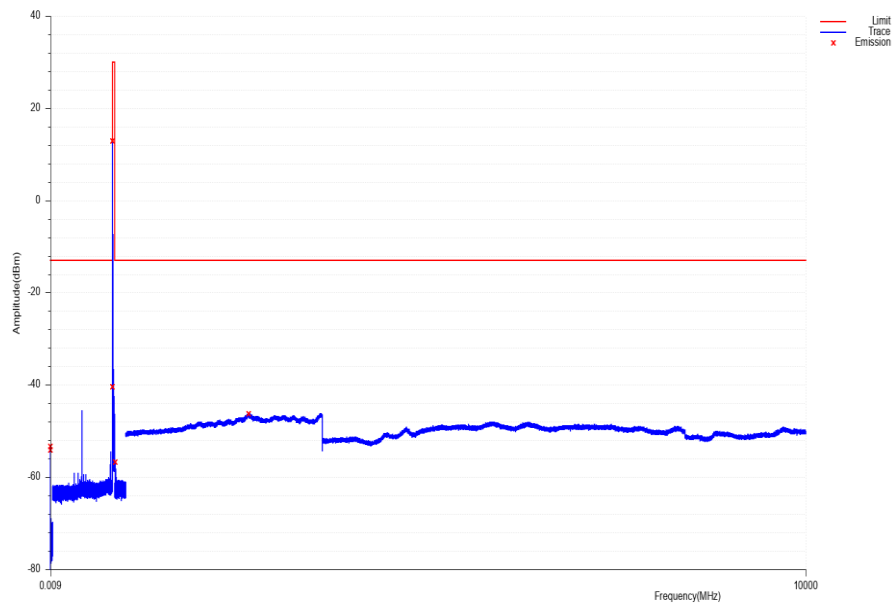
5. Unwanted Spurious Emission

Services	Band	Modulation	Class Type	Frequency(MHz)	RBW(kHz)	Test Freq Range(MHz)	Spur Freq (MHz)	Spur Level(dBm)	Limit(dBm)	Result
EGPRS	GSM 850	8PSK	Class12	824.20	1000	819.0~823.0	822.527	-14.44	-13	Pass
EGPRS	GSM 850	8PSK	Class12	824.20	3	823.0~824.0	823.967	-18.37	-13	Pass
EGPRS	GSM 850	8PSK	Class12	824.20	1	0.009~0.150	0.010	-53.33	-13	Pass
EGPRS	GSM 850	8PSK	Class12	824.20	10	0.150~30.000	0.162	-54.05	-13	Pass
EGPRS	GSM 850	8PSK	Class12	824.20	100	30.000~819.000	817.632	-40.35	-13	Pass
EGPRS	GSM 850	8PSK	Class12	824.20	100	854.000~1000.000	856.842	-56.71	-13	Pass
EGPRS	GSM 850	8PSK	Class12	824.20	1000	1000.000~10000.000	2621.500	-46.21	-13	Pass
EGPRS	GSM 850	8PSK	Class12	836.60	1	0.009~0.150	0.010	-54.23	-13	Pass
EGPRS	GSM 850	8PSK	Class12	836.60	10	0.150~30.000	0.150	-55.09	-13	Pass
EGPRS	GSM 850	8PSK	Class12	836.60	100	30.000~819.000	416.005	-46.02	-13	Pass
EGPRS	GSM 850	8PSK	Class12	836.60	100	854.000~1000.000	854.287	-49.63	-13	Pass
EGPRS	GSM 850	8PSK	Class12	836.60	1000	1000.000~10000.000	2622.400	-46.18	-13	Pass
EGPRS	GSM 850	8PSK	Class12	848.80	3	849.0~850.0	849.241	-20.55	-13	Pass
EGPRS	GSM 850	8PSK	Class12	848.80	1000	850.0~854.0	850.008	-13.82	-13	Pass
EGPRS	GSM 850	8PSK	Class12	848.80	1	0.009~0.150	0.010	-53.74	-13	Pass
EGPRS	GSM 850	8PSK	Class12	848.80	10	0.150~30.000	0.150	-54.78	-13	Pass
EGPRS	GSM 850	8PSK	Class12	848.80	100	30.000~819.000	416.005	-44.03	-13	Pass
EGPRS	GSM 850	8PSK	Class12	848.80	100	854.000~1000.000	854.365	-38.03	-13	Pass
EGPRS	GSM 850	8PSK	Class12	848.80	1000	1000.000~10000.000	2608.300	-46.14	-13	Pass



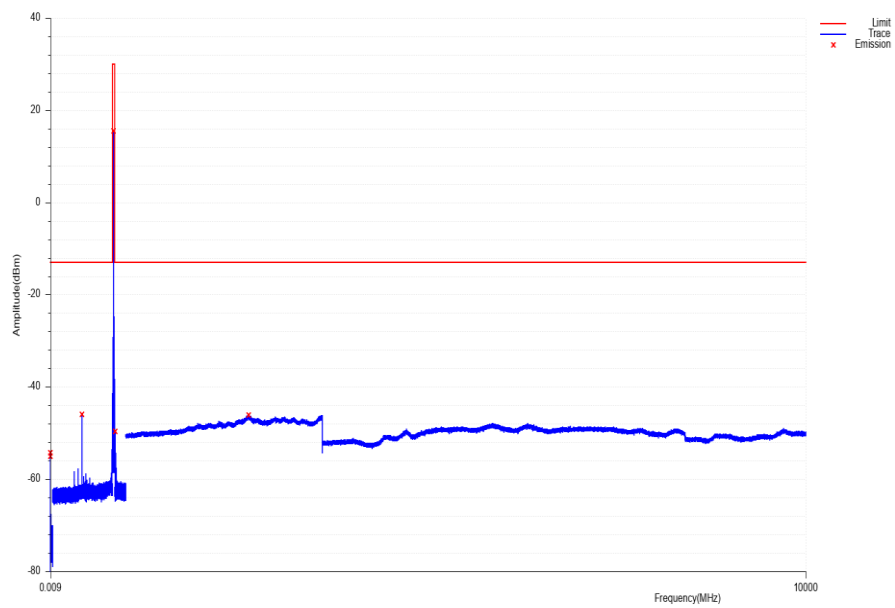
SA_65_NT_NV_0_EGPRS_GSM_850_200k_8PSK_Class12_CH128

Unwanted spurious emissions

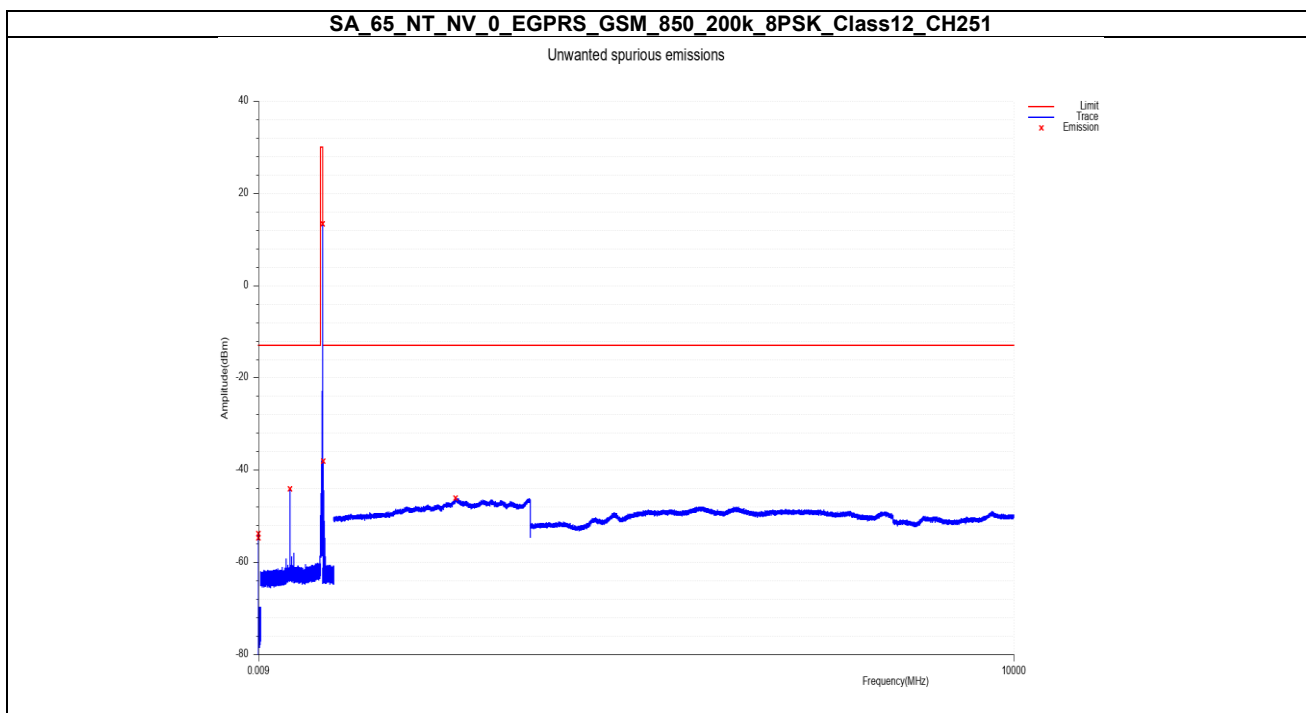
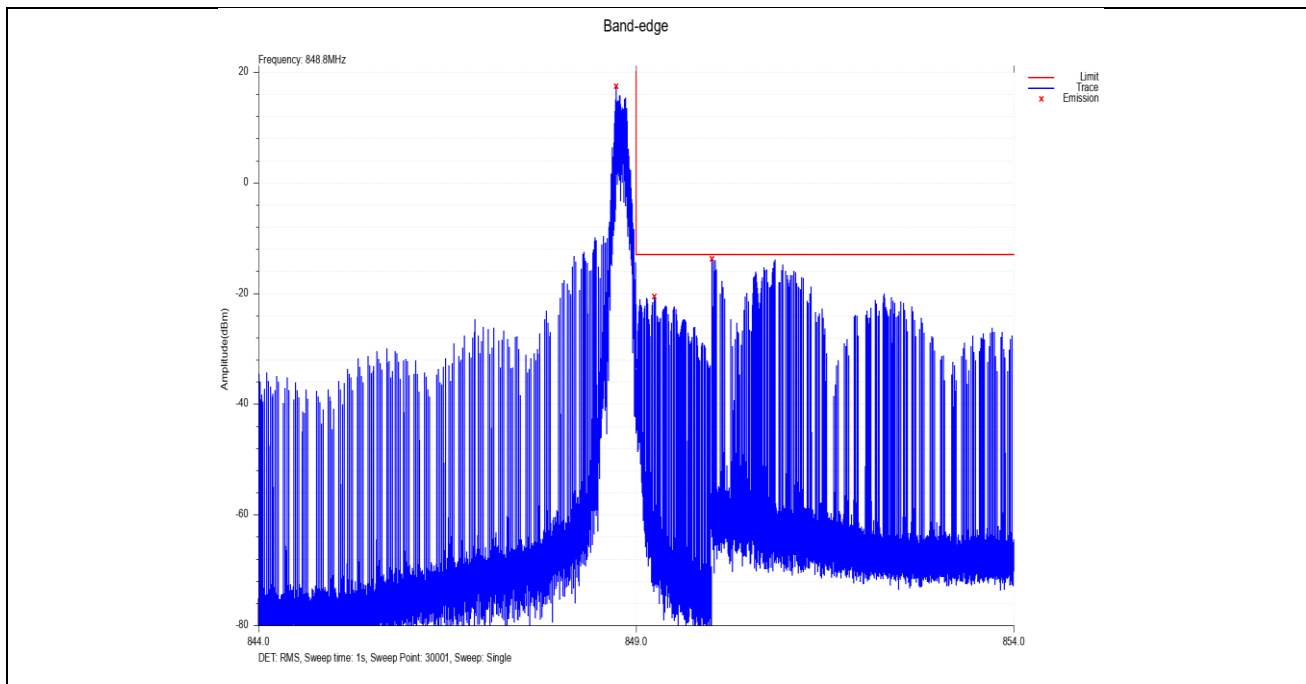


SA_65_NT_NV_0_EGPRS_GSM_850_200k_8PSK_Class12_CH190

Unwanted spurious emissions



UPPER_EDGE_65_NT_NV_0_EGPRS_GSM_850_200k_8PSK_Class12_CH251



6. 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	GSM 850	8PSK	Class12	824.2	0.0031	-2.50	2.50	Pass
-30	3.3	EGPRS	GSM 850	8PSK	Class12	836.6	0.0089	-2.50	2.50	Pass
-30	3.3	EGPRS	GSM 850	8PSK	Class12	848.8	0.0032	-2.50	2.50	Pass
-30	3.8	EGPRS	GSM 850	8PSK	Class12	824.2	0.0003	-2.50	2.50	Pass
-30	3.8	EGPRS	GSM 850	8PSK	Class12	836.6	0.0025	-2.50	2.50	Pass
-30	3.8	EGPRS	GSM 850	8PSK	Class12	848.8	0.0050	-2.50	2.50	Pass
-30	4.2	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0080	-2.50	2.50	Pass
-30	4.2	EGPRS	GSM 850	8PSK	Class12	836.6	0.0024	-2.50	2.50	Pass
-30	4.2	EGPRS	GSM 850	8PSK	Class12	848.8	0.0041	-2.50	2.50	Pass
-20	3.3	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0053	-2.50	2.50	Pass
-20	3.3	EGPRS	GSM 850	8PSK	Class12	836.6	-0.0002	-2.50	2.50	Pass
-20	3.3	EGPRS	GSM 850	8PSK	Class12	848.8	0.0005	-2.50	2.50	Pass
-20	3.8	EGPRS	GSM 850	8PSK	Class12	824.2	0.0032	-2.50	2.50	Pass
-20	3.8	EGPRS	GSM 850	8PSK	Class12	836.6	0.0030	-2.50	2.50	Pass
-20	3.8	EGPRS	GSM 850	8PSK	Class12	848.8	0.0045	-2.50	2.50	Pass
-20	4.2	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0066	-2.50	2.50	Pass
-20	4.2	EGPRS	GSM 850	8PSK	Class12	836.6	0.0072	-2.50	2.50	Pass
-20	4.2	EGPRS	GSM 850	8PSK	Class12	848.8	-0.0014	-2.50	2.50	Pass
-10	3.3	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0041	-2.50	2.50	Pass
-10	3.3	EGPRS	GSM 850	8PSK	Class12	836.6	0.0066	-2.50	2.50	Pass
-10	3.3	EGPRS	GSM 850	8PSK	Class12	848.8	-0.0014	-2.50	2.50	Pass
-10	3.8	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0013	-2.50	2.50	Pass
-10	3.8	EGPRS	GSM 850	8PSK	Class12	836.6	0.0029	-2.50	2.50	Pass
-10	3.8	EGPRS	GSM 850	8PSK	Class12	848.8	0.0016	-2.50	2.50	Pass
-10	4.2	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0035	-2.50	2.50	Pass
-10	4.2	EGPRS	GSM 850	8PSK	Class12	836.6	0.0064	-2.50	2.50	Pass
-10	4.2	EGPRS	GSM 850	8PSK	Class12	848.8	0.0029	-2.50	2.50	Pass
0	3.3	EGPRS	GSM 850	8PSK	Class12	824.2	0.0021	-2.50	2.50	Pass
0	3.3	EGPRS	GSM 850	8PSK	Class12	836.6	0.0014	-2.50	2.50	Pass
0	3.3	EGPRS	GSM 850	8PSK	Class12	848.8	0.0021	-2.50	2.50	Pass
0	3.8	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0043	-2.50	2.50	Pass
0	3.8	EGPRS	GSM 850	8PSK	Class12	836.6	0.0028	-2.50	2.50	Pass
0	3.8	EGPRS	GSM 850	8PSK	Class12	848.8	0.0035	-2.50	2.50	Pass
0	4.2	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0031	-2.50	2.50	Pass

			850							
0	4.2	EGPRS	GSM 850	8PSK	Class12	836.6	0.0052	-2.50	2.50	Pass
0	4.2	EGPRS	GSM 850	8PSK	Class12	848.8	0.0003	-2.50	2.50	Pass
10	3.3	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0003	-2.50	2.50	Pass
10	3.3	EGPRS	GSM 850	8PSK	Class12	836.6	0.0075	-2.50	2.50	Pass
10	3.3	EGPRS	GSM 850	8PSK	Class12	848.8	-0.0009	-2.50	2.50	Pass
10	3.8	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0008	-2.50	2.50	Pass
10	3.8	EGPRS	GSM 850	8PSK	Class12	836.6	0.0029	-2.50	2.50	Pass
10	3.8	EGPRS	GSM 850	8PSK	Class12	848.8	0.0024	-2.50	2.50	Pass
10	4.2	EGPRS	GSM 850	8PSK	Class12	824.2	0.0034	-2.50	2.50	Pass
10	4.2	EGPRS	GSM 850	8PSK	Class12	836.6	0.0054	-2.50	2.50	Pass
10	4.2	EGPRS	GSM 850	8PSK	Class12	848.8	0.0051	-2.50	2.50	Pass
20	3.3	EGPRS	GSM 850	8PSK	Class12	824.2	0.0004	-2.50	2.50	Pass
20	3.3	EGPRS	GSM 850	8PSK	Class12	836.6	0.0030	-2.50	2.50	Pass
20	3.3	EGPRS	GSM 850	8PSK	Class12	848.8	0.0041	-2.50	2.50	Pass
20	3.8	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0024	-2.50	2.50	Pass
20	3.8	EGPRS	GSM 850	8PSK	Class12	836.6	0.0040	-2.50	2.50	Pass
20	3.8	EGPRS	GSM 850	8PSK	Class12	848.8	0.0033	-2.50	2.50	Pass
20	4.2	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0018	-2.50	2.50	Pass
20	4.2	EGPRS	GSM 850	8PSK	Class12	836.6	0.0080	-2.50	2.50	Pass
20	4.2	EGPRS	GSM 850	8PSK	Class12	848.8	-0.0020	-2.50	2.50	Pass
30	3.3	EGPRS	GSM 850	8PSK	Class12	824.2	0.0005	-2.50	2.50	Pass
30	3.3	EGPRS	GSM 850	8PSK	Class12	836.6	0.0044	-2.50	2.50	Pass
30	3.3	EGPRS	GSM 850	8PSK	Class12	848.8	0.0050	-2.50	2.50	Pass
30	3.8	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0025	-2.50	2.50	Pass
30	3.8	EGPRS	GSM 850	8PSK	Class12	836.6	0.0035	-2.50	2.50	Pass
30	3.8	EGPRS	GSM 850	8PSK	Class12	848.8	-0.0013	-2.50	2.50	Pass
30	4.2	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0011	-2.50	2.50	Pass
30	4.2	EGPRS	GSM 850	8PSK	Class12	836.6	0.0030	-2.50	2.50	Pass
30	4.2	EGPRS	GSM 850	8PSK	Class12	848.8	0.0060	-2.50	2.50	Pass
40	3.3	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0053	-2.50	2.50	Pass
40	3.3	EGPRS	GSM 850	8PSK	Class12	836.6	0.0090	-2.50	2.50	Pass
40	3.3	EGPRS	GSM 850	8PSK	Class12	848.8	-0.0007	-2.50	2.50	Pass
40	3.8	EGPRS	GSM 850	8PSK	Class12	824.2	0.0008	-2.50	2.50	Pass
40	3.8	EGPRS	GSM 850	8PSK	Class12	836.6	0.0075	-2.50	2.50	Pass
40	3.8	EGPRS	GSM 850	8PSK	Class12	848.8	0.0055	-2.50	2.50	Pass
40	4.2	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0034	-2.50	2.50	Pass
40	4.2	EGPRS	GSM 850	8PSK	Class12	836.6	0.0005	-2.50	2.50	Pass
40	4.2	EGPRS	GSM 850	8PSK	Class12	848.8	0.0049	-2.50	2.50	Pass

50	3.3	EGPRS	GSM 850	8PSK	Class12	824.2	0.0050	-2.50	2.50	Pass
50	3.3	EGPRS	GSM 850	8PSK	Class12	836.6	0.0103	-2.50	2.50	Pass
50	3.3	EGPRS	GSM 850	8PSK	Class12	848.8	-0.0042	-2.50	2.50	Pass
50	3.8	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0010	-2.50	2.50	Pass
50	3.8	EGPRS	GSM 850	8PSK	Class12	836.6	0.0045	-2.50	2.50	Pass
50	3.8	EGPRS	GSM 850	8PSK	Class12	848.8	0.0032	-2.50	2.50	Pass
50	4.2	EGPRS	GSM 850	8PSK	Class12	824.2	-0.0007	-2.50	2.50	Pass
50	4.2	EGPRS	GSM 850	8PSK	Class12	836.6	0.0029	-2.50	2.50	Pass
50	4.2	EGPRS	GSM 850	8PSK	Class12	848.8	0.0057	-2.50	2.50	Pass