

FCC ID: M7C-EID1400

ANNEX A

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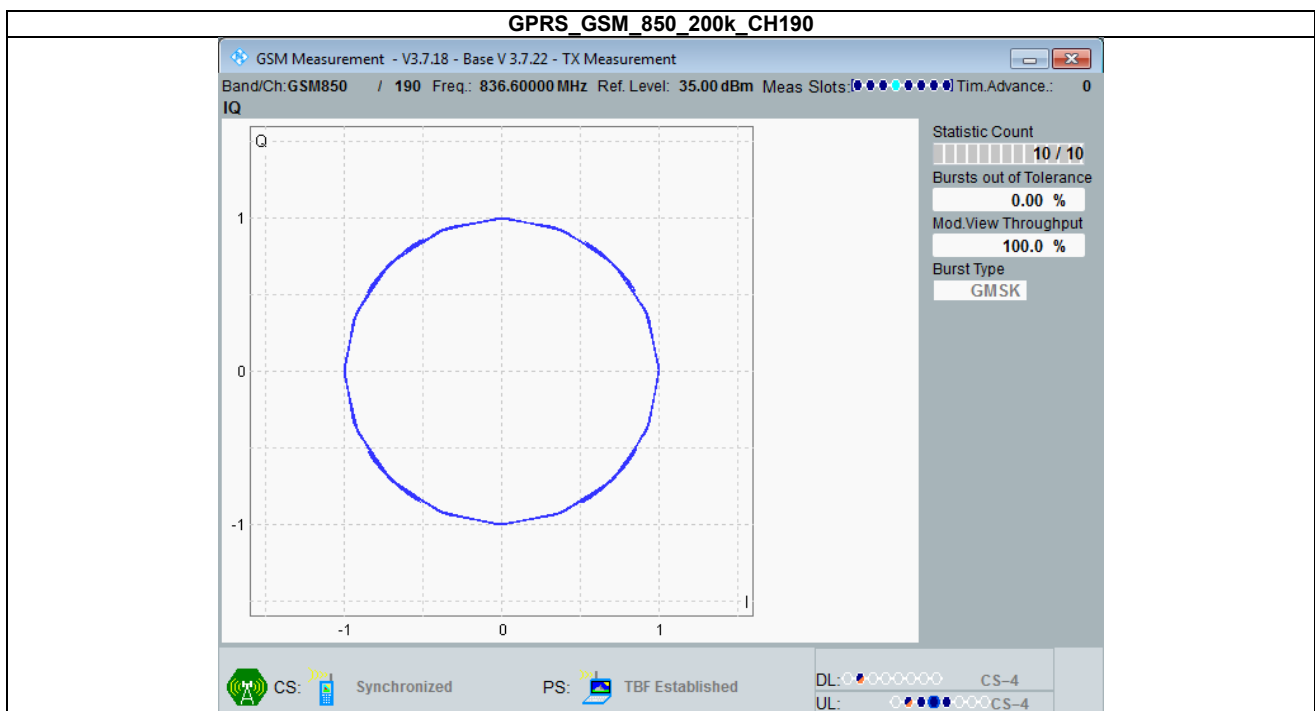
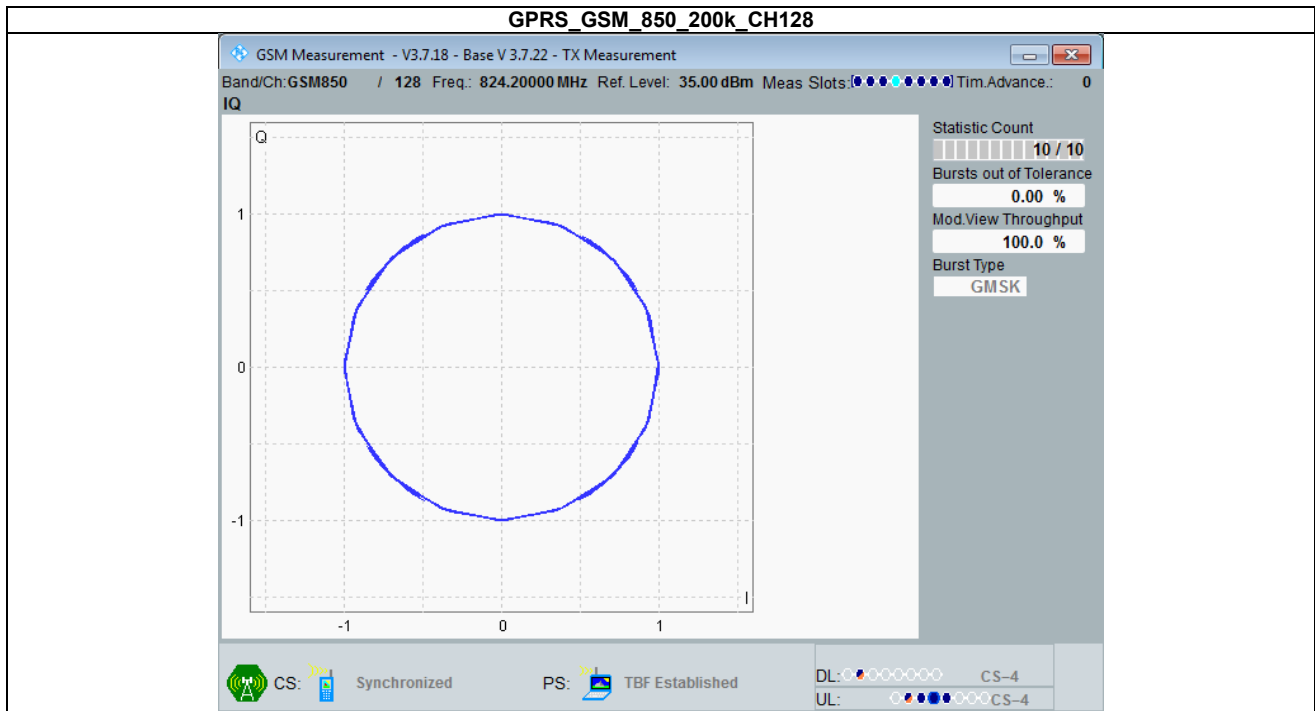
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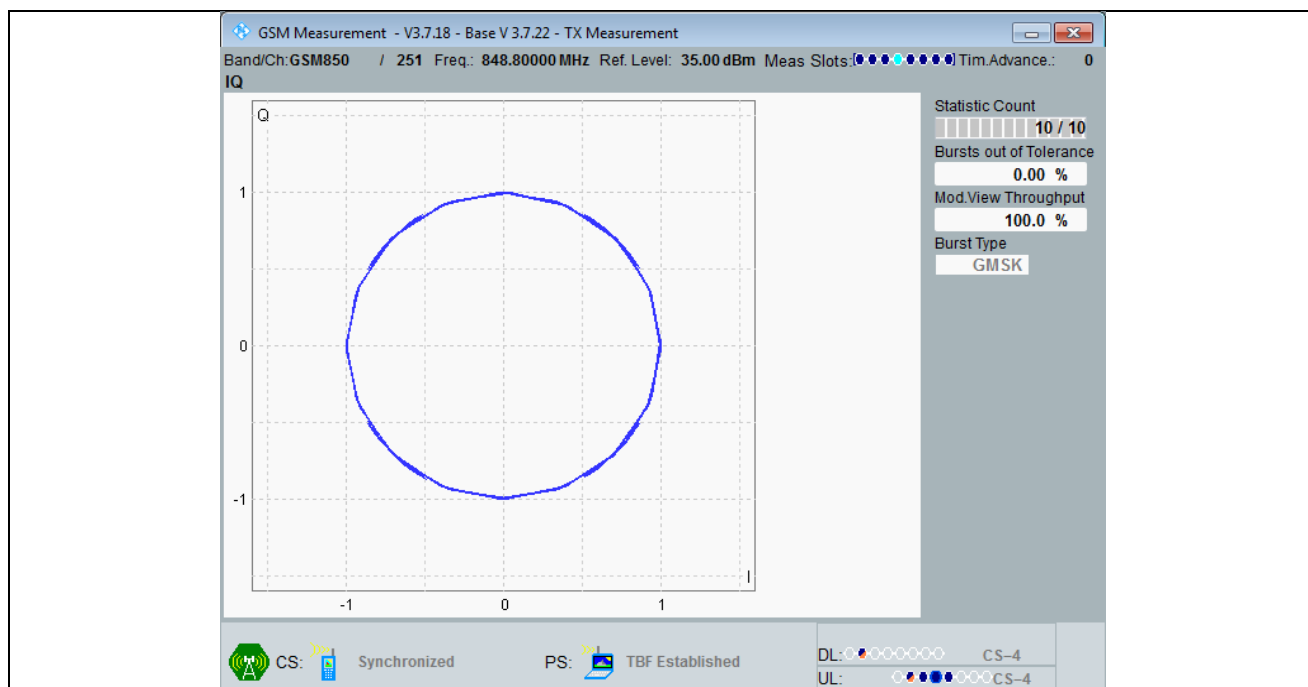
FCC GPRS 850 Test Data

1. Modulation Characteristics

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



GPRS_GSM_850_200k_CH251

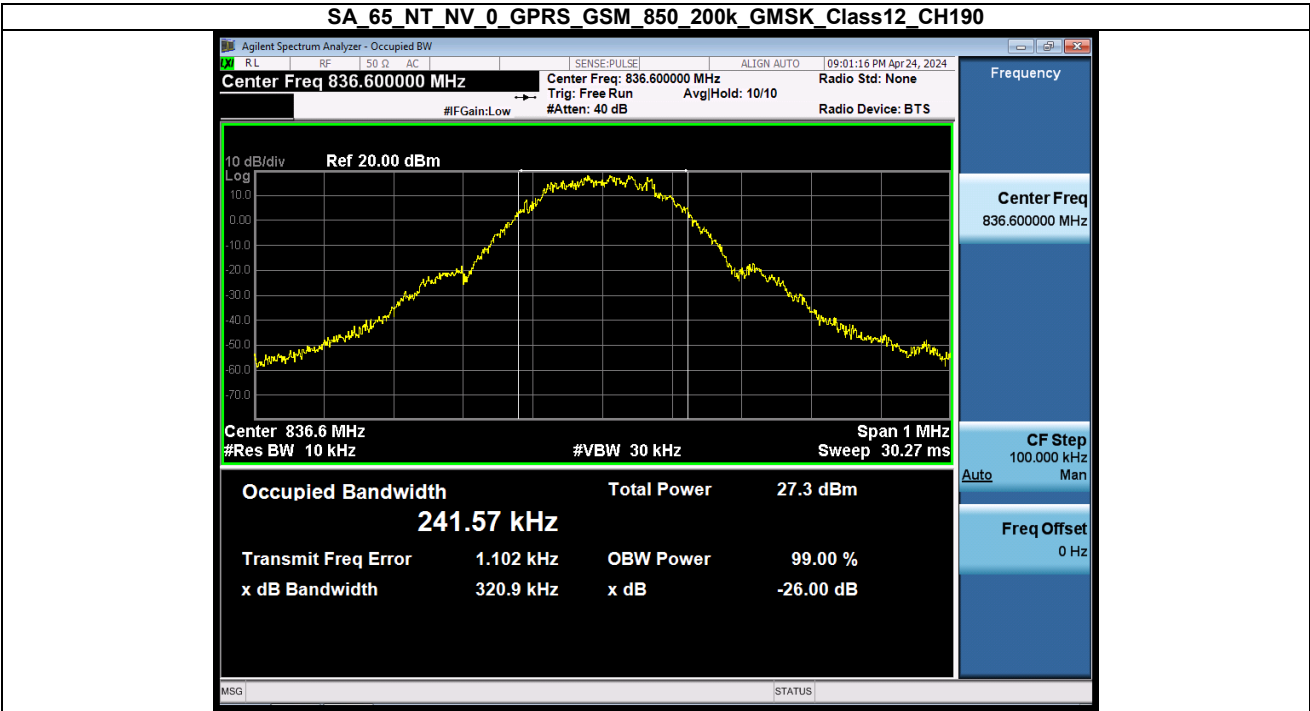
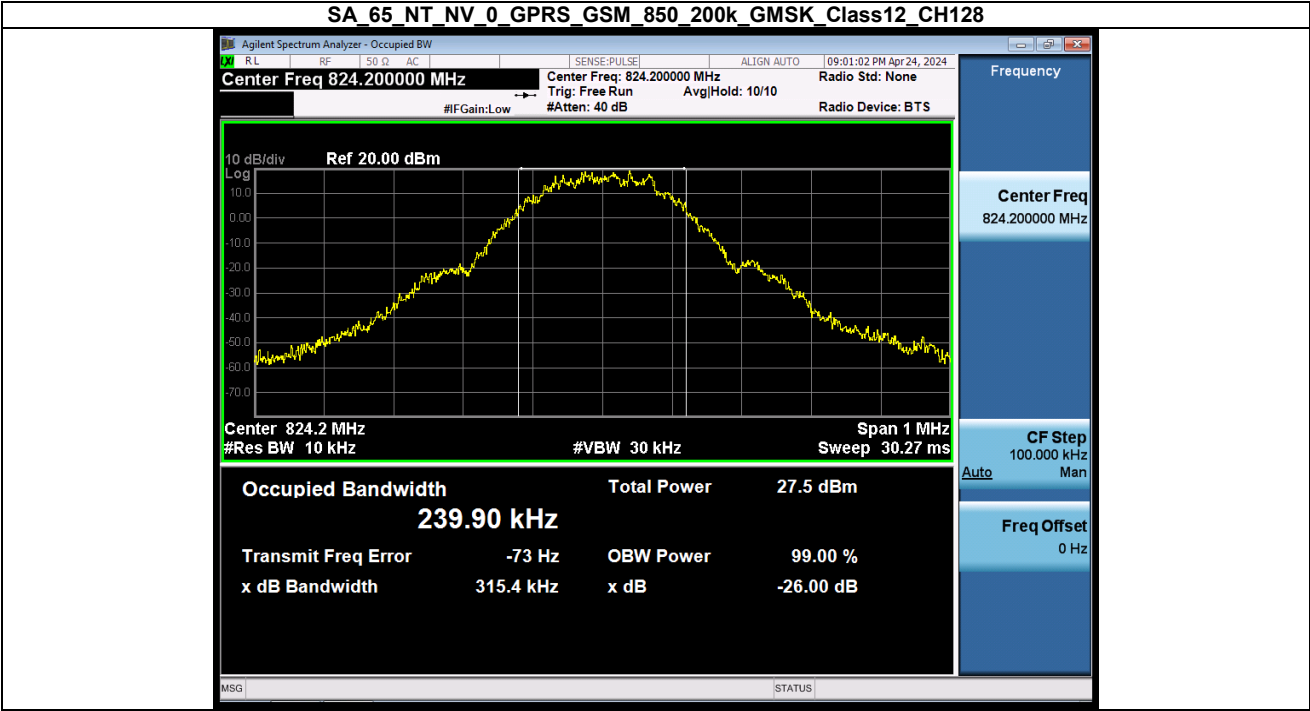


2. Conducted Output Power&&EIRP/ERP

Services	Band	Modulation	Class Type	Frequency(MHz)	Conducted Power(dBm)	ANT Gain(dBi)	ERP(dBm)	ERP(mW)	limit(mW)	Result	Remark
GPRS	GSM 850	GMSK	Class8	824.2	27.56	0.5	25.91	389.94	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
GPRS	GSM 850	GMSK	Class10	824.2	27.46	0.5	25.81	381.07	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
GPRS	GSM 850	GMSK	Class11	824.2	27.33	0.5	25.68	369.83	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
GPRS	GSM 850	GMSK	Class12	824.2	25.12	0.5	23.47	222.33	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
GPRS	GSM 850	GMSK	Class8	836.6	27.42	0.5	25.77	377.57	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
GPRS	GSM 850	GMSK	Class10	836.6	27.34	0.5	25.69	370.68	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
GPRS	GSM 850	GMSK	Class11	836.6	27.21	0.5	25.56	359.75	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
GPRS	GSM 850	GMSK	Class12	836.6	25.06	0.5	23.41	219.28	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
GPRS	GSM 850	GMSK	Class8	848.8	27.17	0.5	25.52	356.45	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
GPRS	GSM 850	GMSK	Class10	848.8	27.09	0.5	25.44	349.95	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
GPRS	GSM 850	GMSK	Class11	848.8	26.99	0.5	25.34	341.98	7000	Pass	ERP = Conducted Power + ANT Gain - 2.15
GPRS	GSM 850	GMSK	Class12	848.8	24.87	0.5	23.22	209.89	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	GPRS	GSM 850	GMSK	Class12	824.2	0.2399	0.3154
NVNT	GPRS	GSM 850	GMSK	Class12	836.6	0.2416	0.3209
NVNT	GPRS	GSM 850	GMSK	Class12	848.8	0.2434	0.3181

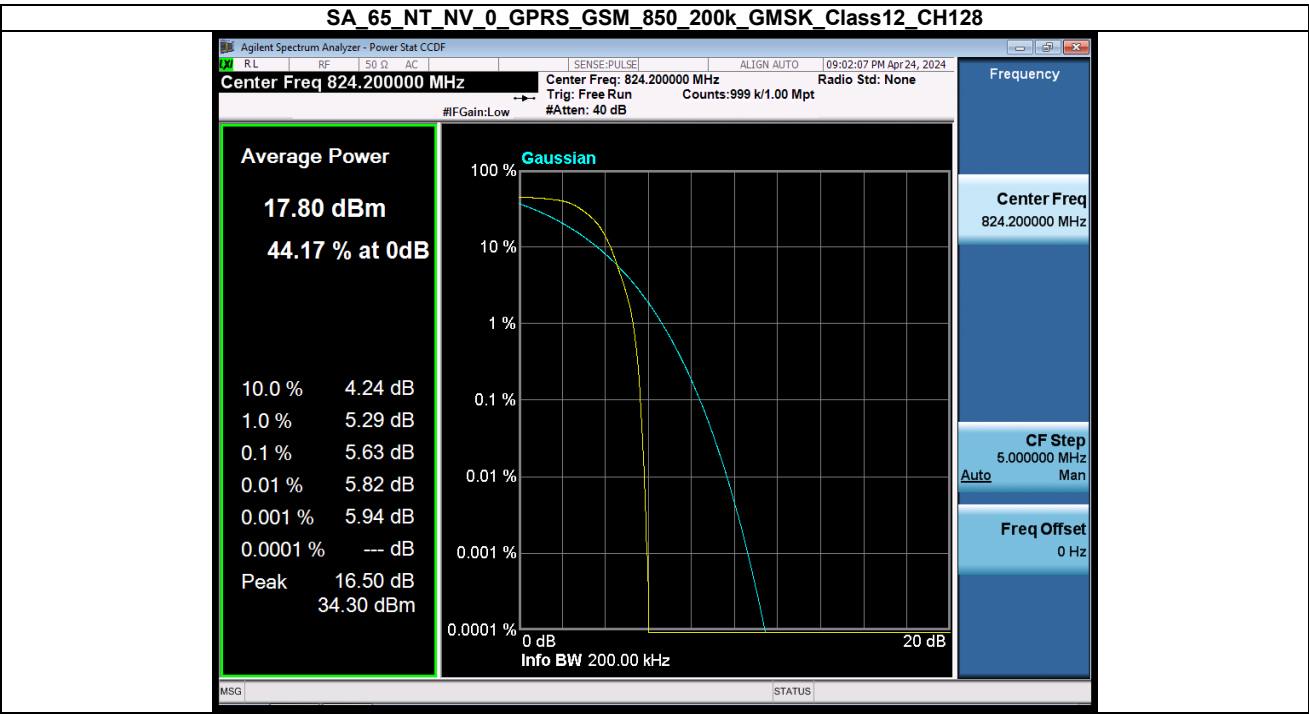


SA_65_NT_NV_0_GPRS_GSM_850_200k_GMSK_Class12_CH251

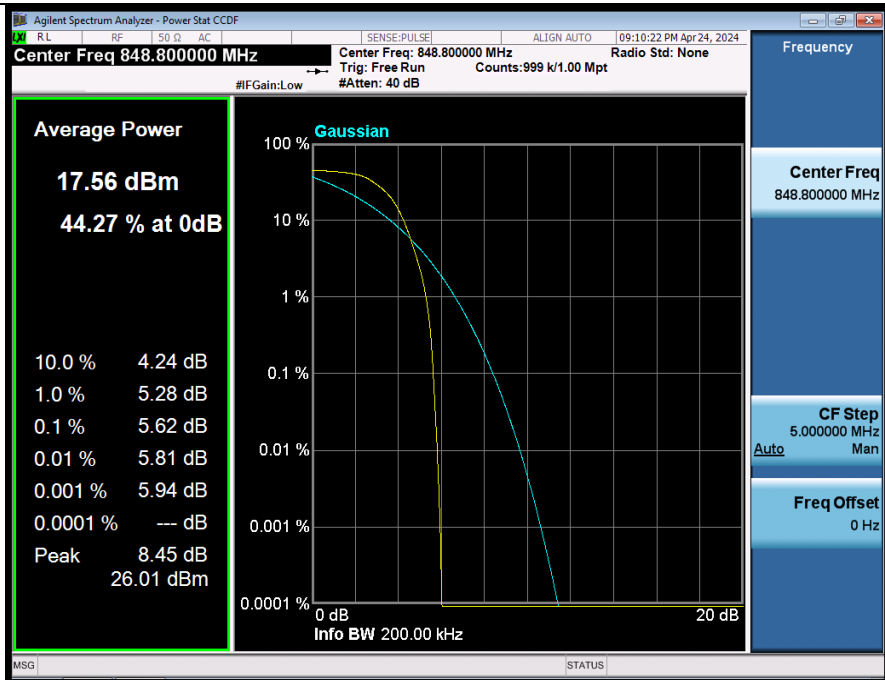


4. Peak to Average Ratio

Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NVNT	GPRS	GSM 850	GMSK	Class12	824.2	5.63	13.00	Pass
NVNT	GPRS	GSM 850	GMSK	Class12	836.6	5.64	13.00	Pass
NVNT	GPRS	GSM 850	GMSK	Class12	848.8	5.62	13.00	Pass

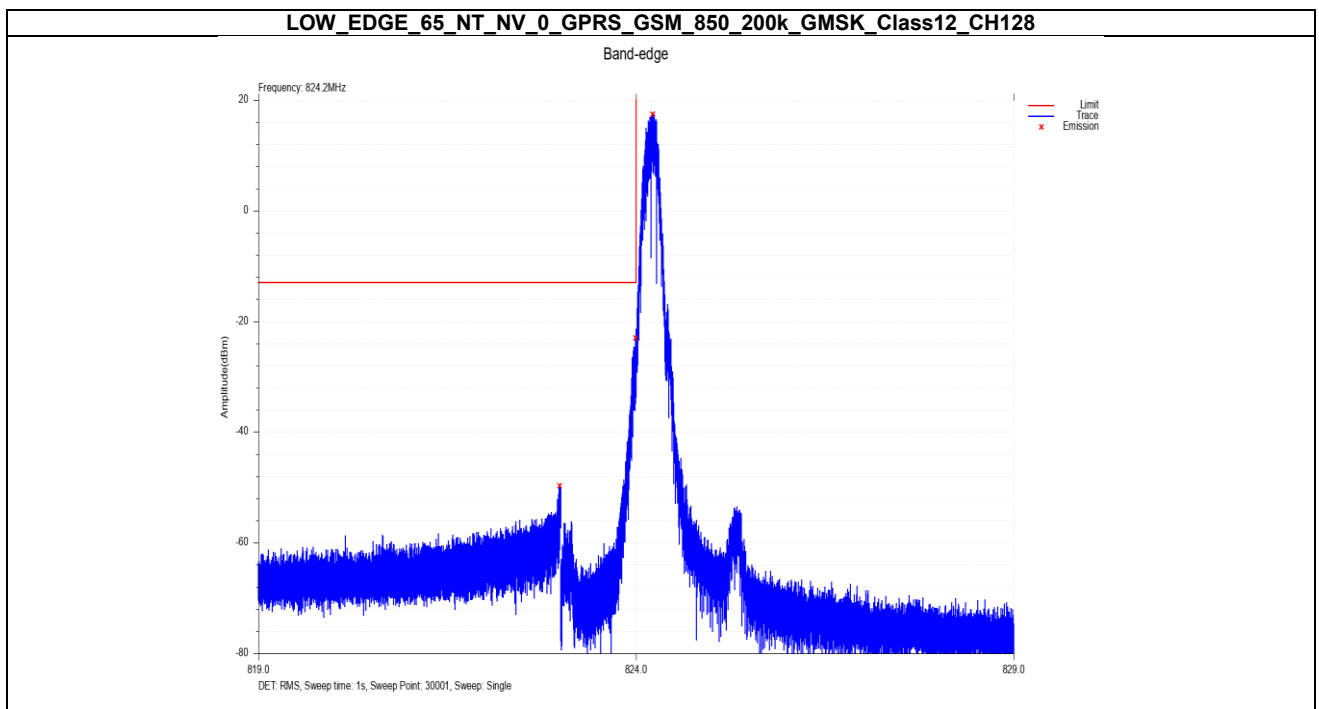


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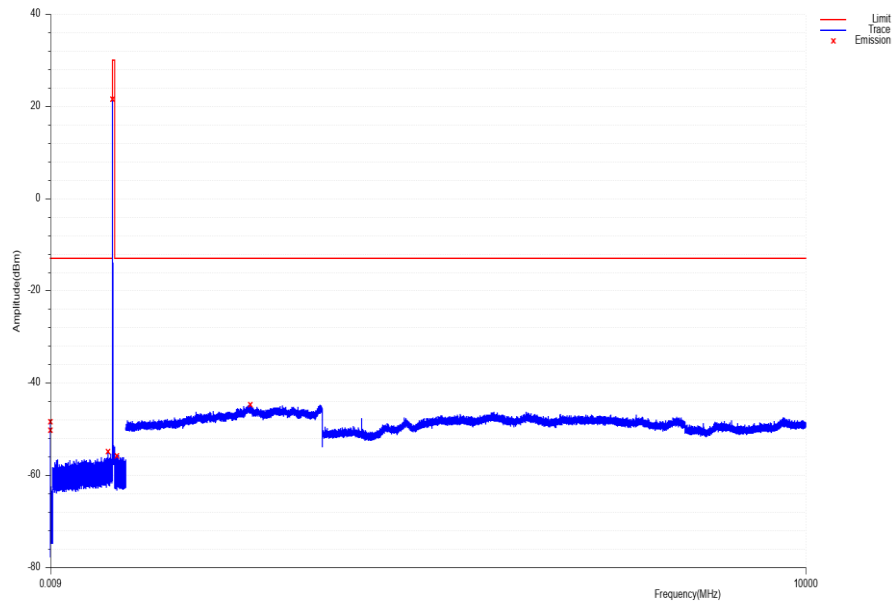
5. Unwanted Spurious Emission

Services	Band	Modulation	Class Type	Frequency(MHz)	RBW(kHz)	Test Freq Range(MHz)	Spur Freq (MHz)	Spur Level(dBm)	Limit(dBm)	Result
GPRS	GSM 850	GMSK	Class12	824.20	1000	819.0~823.0	822.987	-49.66	-13	Pass
GPRS	GSM 850	GMSK	Class12	824.20	3	823.0~824.0	823.996	-23.06	-13	Pass
GPRS	GSM 850	GMSK	Class12	824.20	1	0.009~0.150	0.015	-48.49	-13	Pass
GPRS	GSM 850	GMSK	Class12	824.20	10	0.150~30.000	0.159	-50.21	-13	Pass
GPRS	GSM 850	GMSK	Class12	824.20	100	30.000~819.000	761.403	-54.88	-13	Pass
GPRS	GSM 850	GMSK	Class12	824.20	100	854.000~1000.000	879.341	-55.78	-13	Pass
GPRS	GSM 850	GMSK	Class12	824.20	1000	1000.000~10000.000	2646.700	-44.77	-13	Pass
GPRS	GSM 850	GMSK	Class12	836.60	1	0.009~0.150	0.009	-48.63	-13	Pass
GPRS	GSM 850	GMSK	Class12	836.60	10	0.150~30.000	0.153	-51.38	-13	Pass
GPRS	GSM 850	GMSK	Class12	836.60	100	30.000~819.000	763.086	-54.95	-13	Pass
GPRS	GSM 850	GMSK	Class12	836.60	100	854.000~1000.000	898.330	-56.03	-13	Pass
GPRS	GSM 850	GMSK	Class12	836.60	1000	1000.000~10000.000	3554.500	-44.82	-13	Pass
GPRS	GSM 850	GMSK	Class12	848.80	3	849.0~850.0	849.021	-22.86	-13	Pass
GPRS	GSM 850	GMSK	Class12	848.80	1000	850.0~854.0	850.002	-50.00	-13	Pass
GPRS	GSM 850	GMSK	Class12	848.80	1	0.009~0.150	0.009	-48.13	-13	Pass
GPRS	GSM 850	GMSK	Class12	848.80	10	0.150~30.000	0.150	-49.53	-13	Pass
GPRS	GSM 850	GMSK	Class12	848.80	100	30.000~819.000	802.378	-55.71	-13	Pass
GPRS	GSM 850	GMSK	Class12	848.80	100	854.000~1000.000	955.159	-56.17	-13	Pass
GPRS	GSM 850	GMSK	Class12	848.80	1000	1000.000~10000.000	2654.500	-45.01	-13	Pass



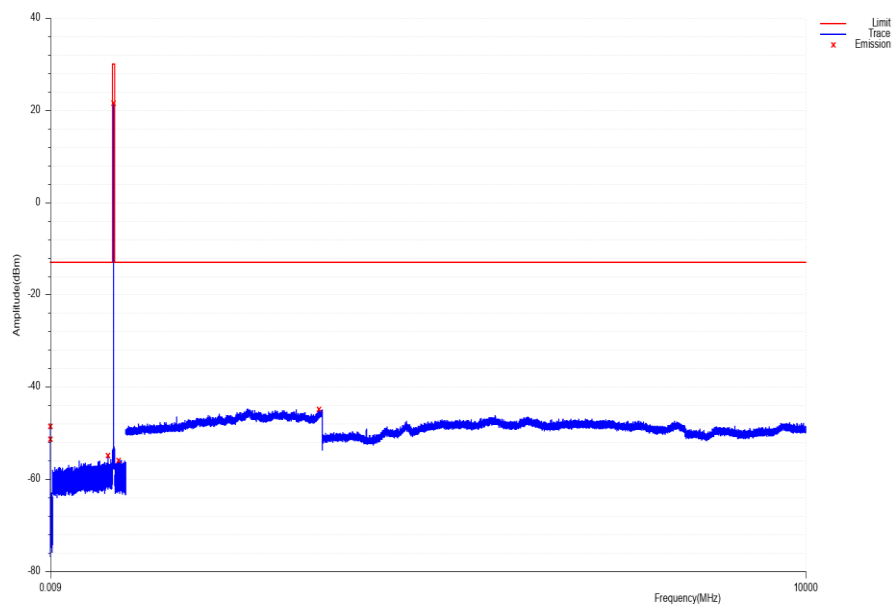
SA_65_NT_NV_0_GPRS_GSM_850_200k_GMSK_Class12_CH128

Unwanted spurious emissions

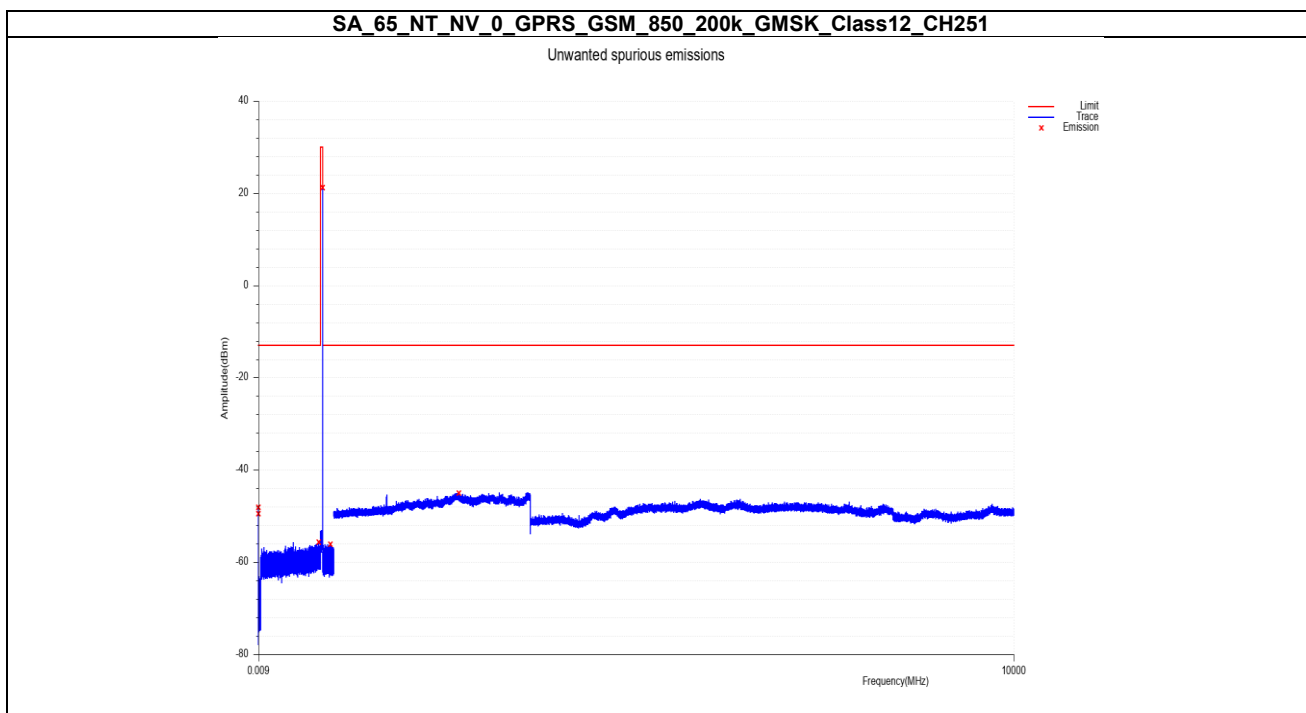
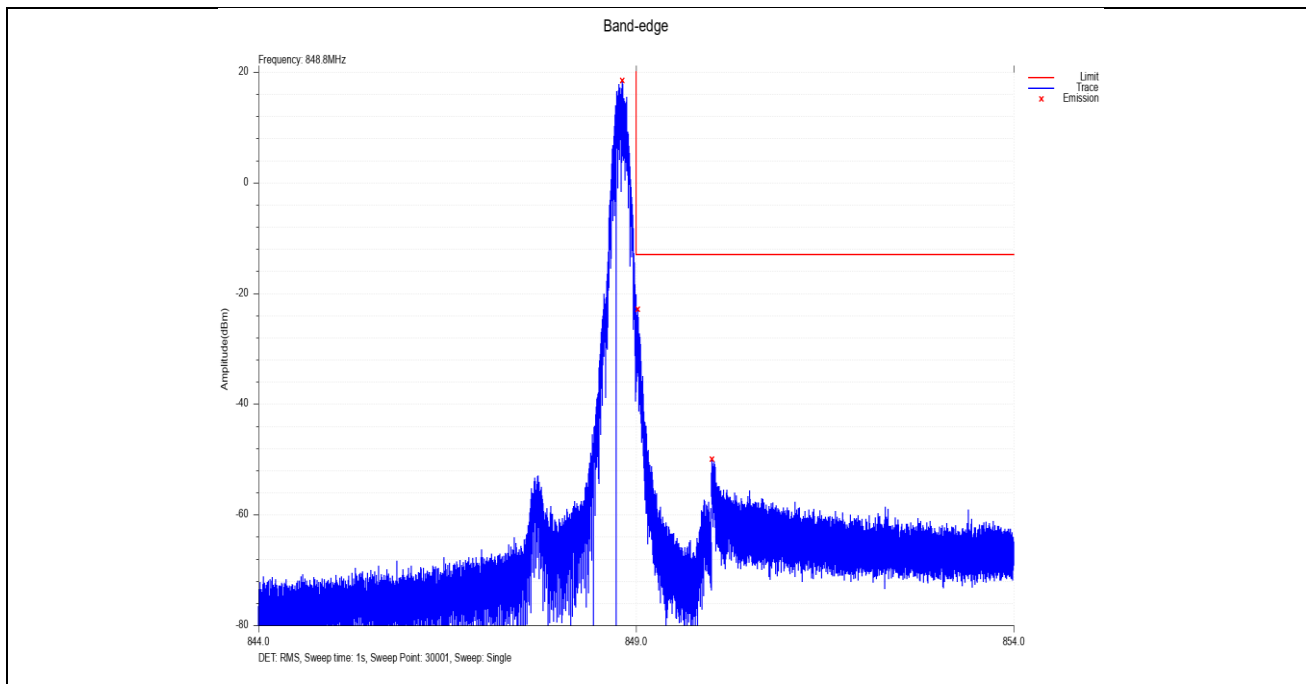


SA_65_NT_NV_0_GPRS_GSM_850_200k_GMSK_Class12_CH190

Unwanted spurious emissions



UPPER_EDGE_65_NT_NV_0_GPRS_GSM_850_200k_GMSK_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	GPRS	GSM 850	GMSK	Class12	824.2	0.0111	-2.50	2.50	Pass
-30	3.3	GPRS	GSM 850	GMSK	Class12	836.6	0.0050	-2.50	2.50	Pass
-30	3.3	GPRS	GSM 850	GMSK	Class12	848.8	0.0019	-2.50	2.50	Pass
-30	3.8	GPRS	GSM 850	GMSK	Class12	824.2	0.0070	-2.50	2.50	Pass
-30	3.8	GPRS	GSM 850	GMSK	Class12	836.6	0.0002	-2.50	2.50	Pass
-30	3.8	GPRS	GSM 850	GMSK	Class12	848.8	0.0120	-2.50	2.50	Pass
-30	4.2	GPRS	GSM 850	GMSK	Class12	824.2	0.0116	-2.50	2.50	Pass
-30	4.2	GPRS	GSM 850	GMSK	Class12	836.6	0.0061	-2.50	2.50	Pass
-30	4.2	GPRS	GSM 850	GMSK	Class12	848.8	0.0112	-2.50	2.50	Pass
-20	3.3	GPRS	GSM 850	GMSK	Class12	824.2	0.0022	-2.50	2.50	Pass
-20	3.3	GPRS	GSM 850	GMSK	Class12	836.6	0.0079	-2.50	2.50	Pass
-20	3.3	GPRS	GSM 850	GMSK	Class12	848.8	0.0141	-2.50	2.50	Pass
-20	3.8	GPRS	GSM 850	GMSK	Class12	824.2	0.0145	-2.50	2.50	Pass
-20	3.8	GPRS	GSM 850	GMSK	Class12	836.6	0.0055	-2.50	2.50	Pass
-20	3.8	GPRS	GSM 850	GMSK	Class12	848.8	0.0041	-2.50	2.50	Pass
-20	4.2	GPRS	GSM 850	GMSK	Class12	824.2	0.0066	-2.50	2.50	Pass
-20	4.2	GPRS	GSM 850	GMSK	Class12	836.6	0.0001	-2.50	2.50	Pass
-20	4.2	GPRS	GSM 850	GMSK	Class12	848.8	0.0046	-2.50	2.50	Pass
-10	3.3	GPRS	GSM 850	GMSK	Class12	824.2	0.0096	-2.50	2.50	Pass
-10	3.3	GPRS	GSM 850	GMSK	Class12	836.6	0.0036	-2.50	2.50	Pass
-10	3.3	GPRS	GSM 850	GMSK	Class12	848.8	0.0112	-2.50	2.50	Pass
-10	3.8	GPRS	GSM 850	GMSK	Class12	824.2	0.0055	-2.50	2.50	Pass
-10	3.8	GPRS	GSM 850	GMSK	Class12	836.6	0.0032	-2.50	2.50	Pass
-10	3.8	GPRS	GSM 850	GMSK	Class12	848.8	0.0060	-2.50	2.50	Pass
-10	4.2	GPRS	GSM 850	GMSK	Class12	824.2	0.0112	-2.50	2.50	Pass
-10	4.2	GPRS	GSM 850	GMSK	Class12	836.6	0.0115	-2.50	2.50	Pass
-10	4.2	GPRS	GSM 850	GMSK	Class12	848.8	0.0241	-2.50	2.50	Pass
0	3.3	GPRS	GSM 850	GMSK	Class12	824.2	0.0169	-2.50	2.50	Pass
0	3.3	GPRS	GSM 850	GMSK	Class12	836.6	0.0099	-2.50	2.50	Pass
0	3.3	GPRS	GSM 850	GMSK	Class12	848.8	0.0017	-2.50	2.50	Pass
0	3.8	GPRS	GSM 850	GMSK	Class12	824.2	0.0026	-2.50	2.50	Pass
0	3.8	GPRS	GSM 850	GMSK	Class12	836.6	0.0043	-2.50	2.50	Pass
0	3.8	GPRS	GSM 850	GMSK	Class12	848.8	0.0055	-2.50	2.50	Pass
0	4.2	GPRS	GSM 850	GMSK	Class12	824.2	0.0073	-2.50	2.50	Pass

			850							
0	4.2	GPRS	GSM 850	GMSK	Class12	836.6	0.0131	-2.50	2.50	Pass
0	4.2	GPRS	GSM 850	GMSK	Class12	848.8	0.0048	-2.50	2.50	Pass
10	3.3	GPRS	GSM 850	GMSK	Class12	824.2	0.0047	-2.50	2.50	Pass
10	3.3	GPRS	GSM 850	GMSK	Class12	836.6	0.0148	-2.50	2.50	Pass
10	3.3	GPRS	GSM 850	GMSK	Class12	848.8	0.0021	-2.50	2.50	Pass
10	3.8	GPRS	GSM 850	GMSK	Class12	824.2	0.0099	-2.50	2.50	Pass
10	3.8	GPRS	GSM 850	GMSK	Class12	836.6	0.0070	-2.50	2.50	Pass
10	3.8	GPRS	GSM 850	GMSK	Class12	848.8	0.0009	-2.50	2.50	Pass
10	4.2	GPRS	GSM 850	GMSK	Class12	824.2	0.0072	-2.50	2.50	Pass
10	4.2	GPRS	GSM 850	GMSK	Class12	836.6	0.0055	-2.50	2.50	Pass
10	4.2	GPRS	GSM 850	GMSK	Class12	848.8	0.0038	-2.50	2.50	Pass
20	3.3	GPRS	GSM 850	GMSK	Class12	824.2	0.0083	-2.50	2.50	Pass
20	3.3	GPRS	GSM 850	GMSK	Class12	836.6	0.0078	-2.50	2.50	Pass
20	3.3	GPRS	GSM 850	GMSK	Class12	848.8	0.0165	-2.50	2.50	Pass
20	3.8	GPRS	GSM 850	GMSK	Class12	824.2	0.0102	-2.50	2.50	Pass
20	3.8	GPRS	GSM 850	GMSK	Class12	836.6	0.0009	-2.50	2.50	Pass
20	3.8	GPRS	GSM 850	GMSK	Class12	848.8	0.0066	-2.50	2.50	Pass
20	4.2	GPRS	GSM 850	GMSK	Class12	824.2	0.0051	-2.50	2.50	Pass
20	4.2	GPRS	GSM 850	GMSK	Class12	836.6	0.0086	-2.50	2.50	Pass
20	4.2	GPRS	GSM 850	GMSK	Class12	848.8	0.0075	-2.50	2.50	Pass
30	3.3	GPRS	GSM 850	GMSK	Class12	824.2	0.0080	-2.50	2.50	Pass
30	3.3	GPRS	GSM 850	GMSK	Class12	836.6	0.0114	-2.50	2.50	Pass
30	3.3	GPRS	GSM 850	GMSK	Class12	848.8	0.0112	-2.50	2.50	Pass
30	3.8	GPRS	GSM 850	GMSK	Class12	824.2	0.0038	-2.50	2.50	Pass
30	3.8	GPRS	GSM 850	GMSK	Class12	836.6	0.0100	-2.50	2.50	Pass
30	3.8	GPRS	GSM 850	GMSK	Class12	848.8	0.0086	-2.50	2.50	Pass
30	4.2	GPRS	GSM 850	GMSK	Class12	824.2	0.0091	-2.50	2.50	Pass
30	4.2	GPRS	GSM 850	GMSK	Class12	836.6	-0.0006	-2.50	2.50	Pass
30	4.2	GPRS	GSM 850	GMSK	Class12	848.8	0.0136	-2.50	2.50	Pass
40	3.3	GPRS	GSM 850	GMSK	Class12	824.2	0.0112	-2.50	2.50	Pass
40	3.3	GPRS	GSM 850	GMSK	Class12	836.6	0.0105	-2.50	2.50	Pass
40	3.3	GPRS	GSM 850	GMSK	Class12	848.8	0.0073	-2.50	2.50	Pass
40	3.8	GPRS	GSM 850	GMSK	Class12	824.2	0.0013	-2.50	2.50	Pass
40	3.8	GPRS	GSM 850	GMSK	Class12	836.6	0.0084	-2.50	2.50	Pass
40	3.8	GPRS	GSM 850	GMSK	Class12	848.8	0.0105	-2.50	2.50	Pass
40	4.2	GPRS	GSM 850	GMSK	Class12	824.2	-0.0027	-2.50	2.50	Pass
40	4.2	GPRS	GSM 850	GMSK	Class12	836.6	-0.0008	-2.50	2.50	Pass
40	4.2	GPRS	GSM 850	GMSK	Class12	848.8	0.0137	-2.50	2.50	Pass

50	3.3	GPRS	GSM 850	GMSK	Class12	824.2	0.0111	-2.50	2.50	Pass
50	3.3	GPRS	GSM 850	GMSK	Class12	836.6	0.0058	-2.50	2.50	Pass
50	3.3	GPRS	GSM 850	GMSK	Class12	848.8	0.0087	-2.50	2.50	Pass
50	3.8	GPRS	GSM 850	GMSK	Class12	824.2	0.0120	-2.50	2.50	Pass
50	3.8	GPRS	GSM 850	GMSK	Class12	836.6	0.0140	-2.50	2.50	Pass
50	3.8	GPRS	GSM 850	GMSK	Class12	848.8	0.0086	-2.50	2.50	Pass
50	4.2	GPRS	GSM 850	GMSK	Class12	824.2	0.0133	-2.50	2.50	Pass
50	4.2	GPRS	GSM 850	GMSK	Class12	836.6	0.0113	-2.50	2.50	Pass
50	4.2	GPRS	GSM 850	GMSK	Class12	848.8	0.0113	-2.50	2.50	Pass