

FCC ID: M7C-EID1400

ANNEX A

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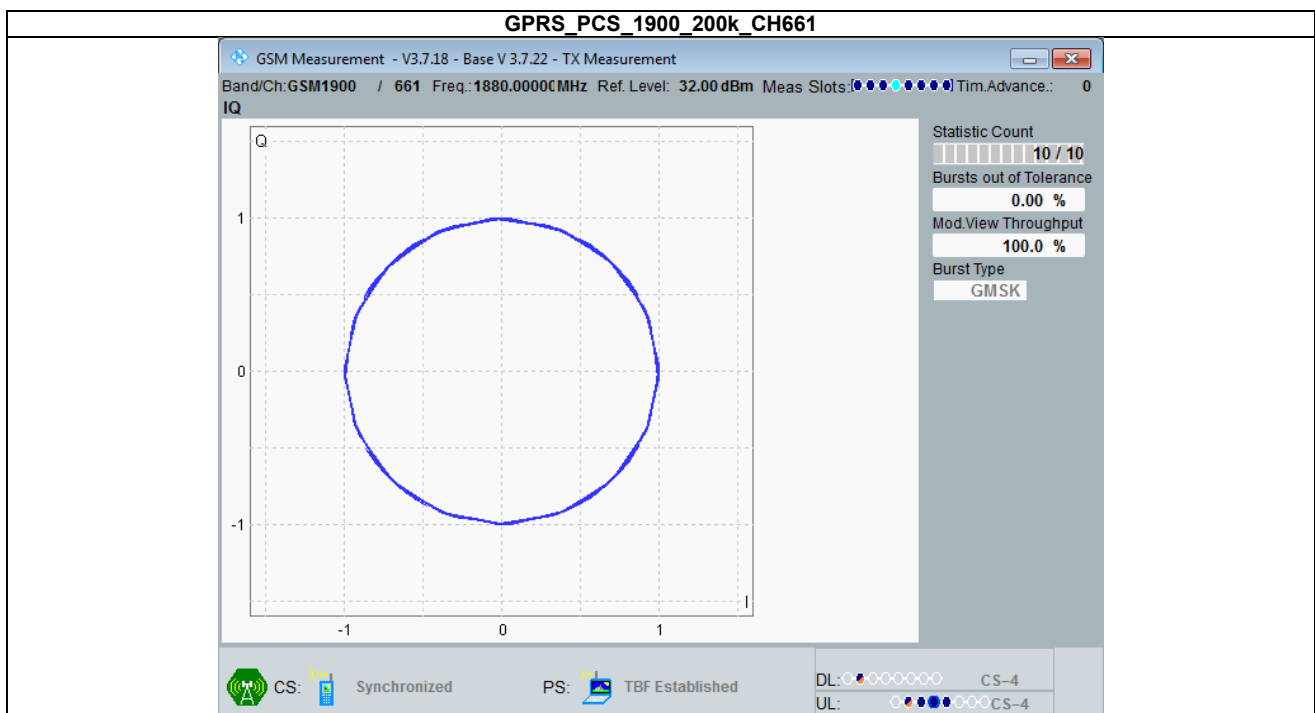
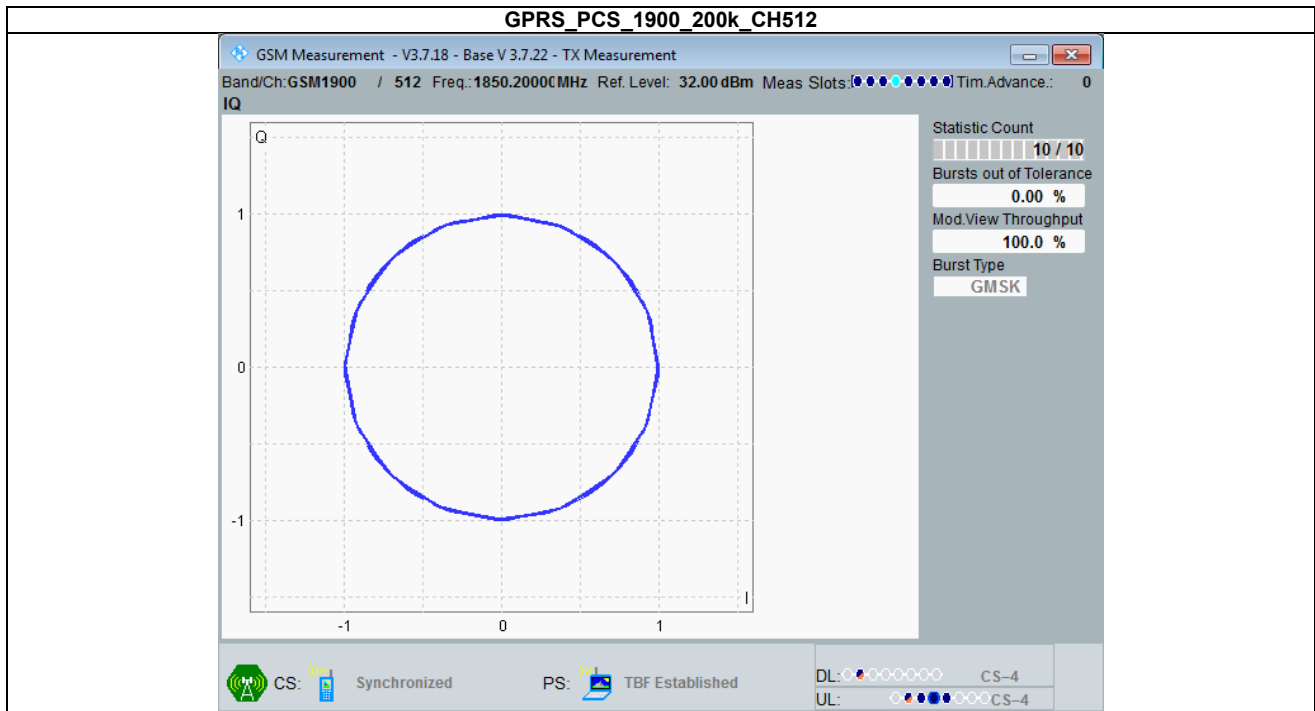
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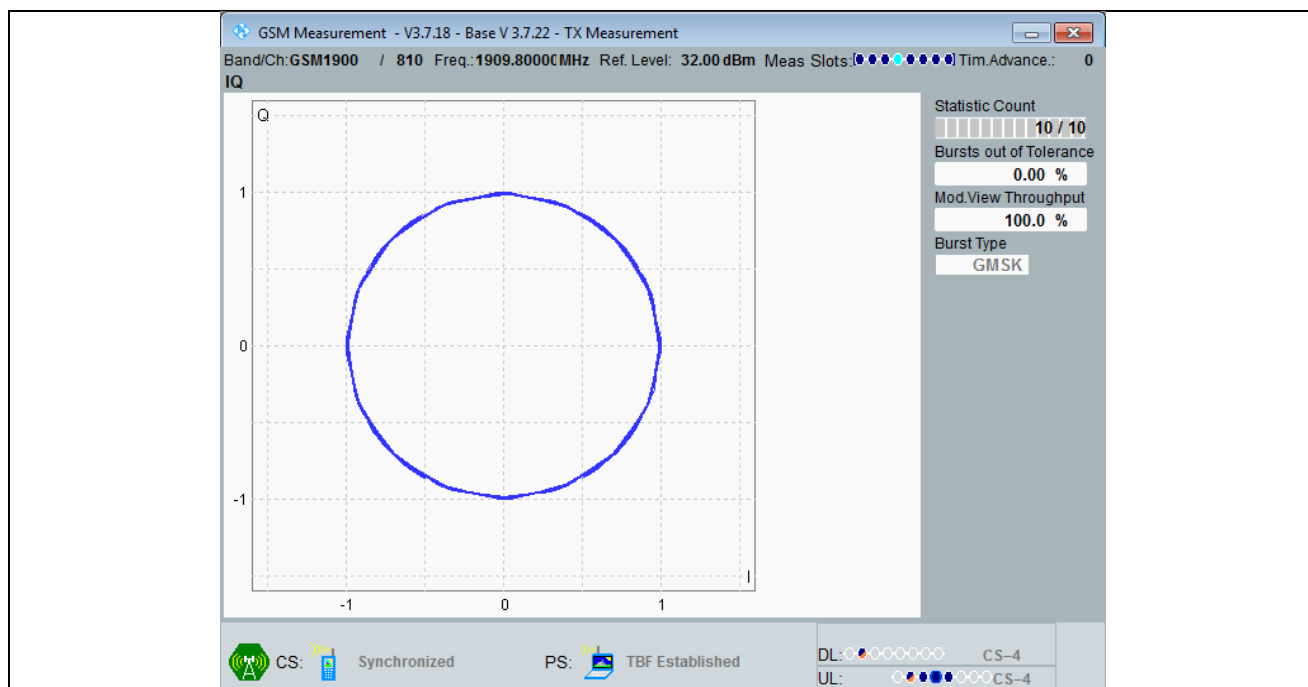
FCC GPRS 1900 Test Data

1. Modulation Characteristics

Band	Modulation	Frequency(MHz)	Result
PCS 1900	GMSK	1850.2	See the photograph
PCS 1900	GMSK	1880.0	See the photograph
PCS 1900	GMSK	1909.8	See the photograph



GPRS_PCS_1900_200k_CH810

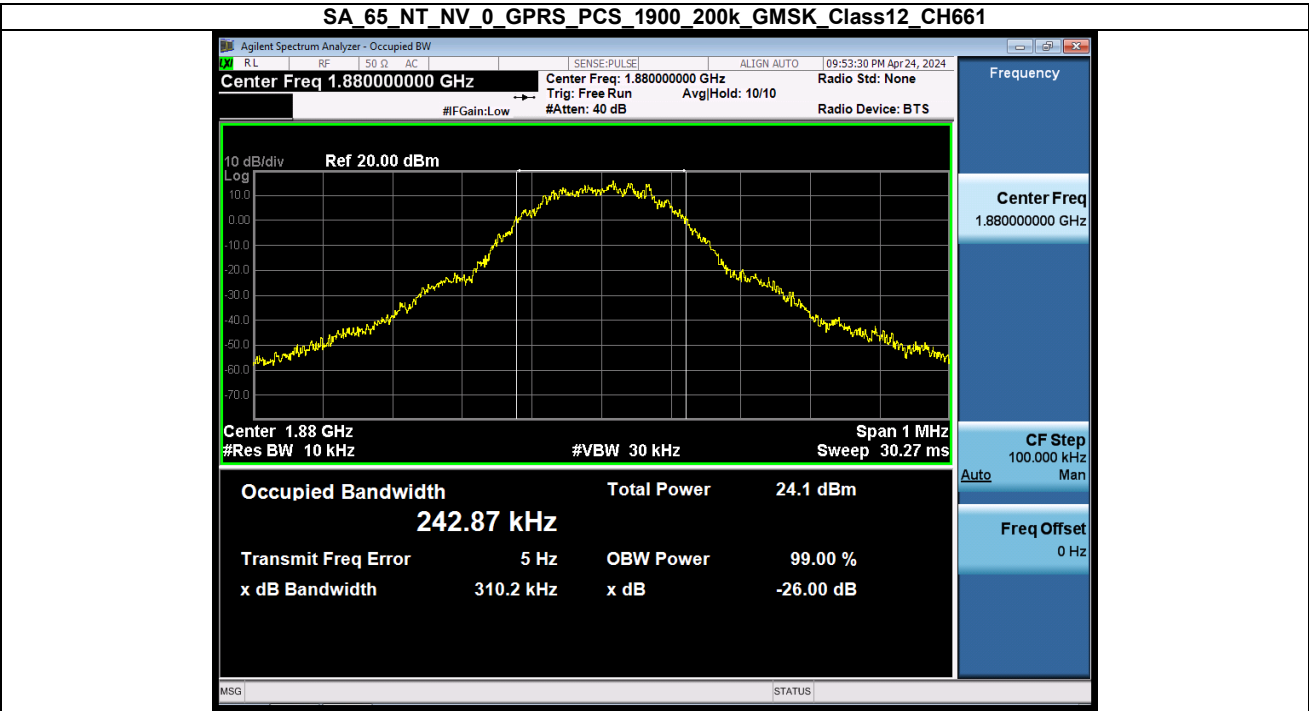
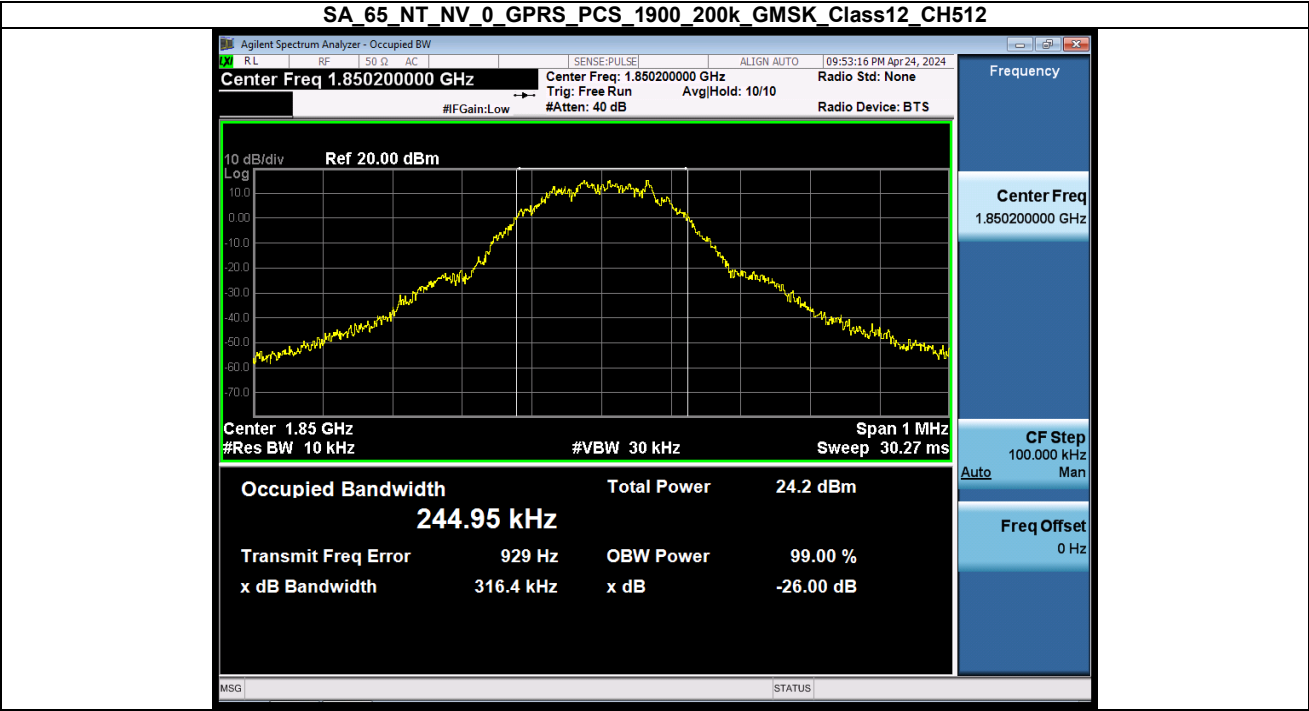


2. Conducted Output Power&&EIRP/ERP

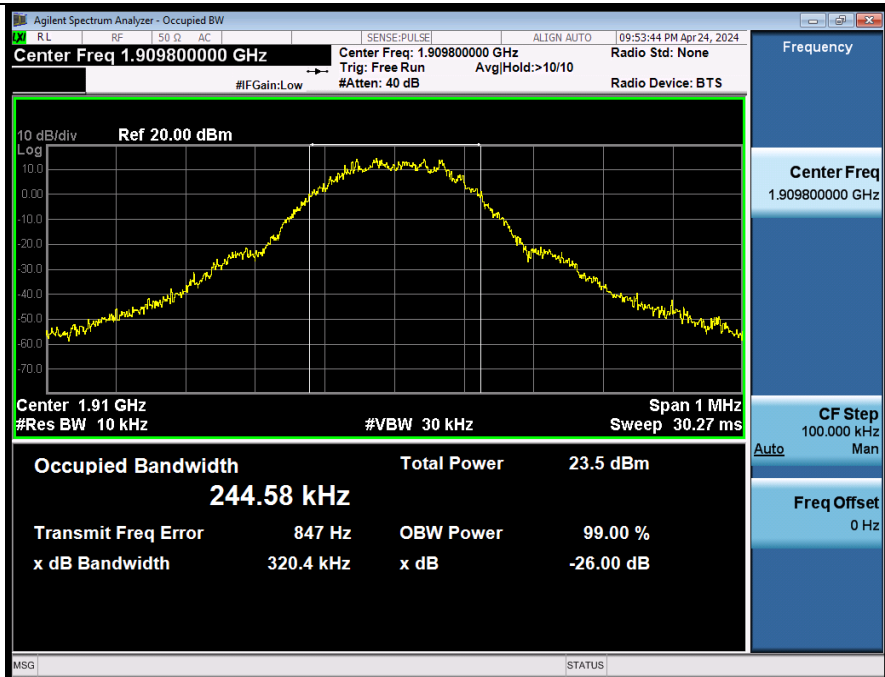
Services	Band	Modulation	Class Type	Frequency(MHz)	Conducted Power(dBm)	ANT Gain(dBi)	EIRP(dBm)	EIRP(mW)	limit(mW)	Result	Remark
GPRS	PCS 1900	GMSK	Class8	1850.2	25.32	-2	23.32	214.78	2000	Pass	EIRP = Conducted Power + ANT Gain
GPRS	PCS 1900	GMSK	Class10	1850.2	25.2	-2	23.20	208.93	2000	Pass	EIRP = Conducted Power + ANT Gain
GPRS	PCS 1900	GMSK	Class11	1850.2	25.06	-2	23.06	202.30	2000	Pass	EIRP = Conducted Power + ANT Gain
GPRS	PCS 1900	GMSK	Class12	1850.2	23.03	-2	21.03	126.77	2000	Pass	EIRP = Conducted Power + ANT Gain
GPRS	PCS 1900	GMSK	Class8	1880.0	25.12	-2	23.12	205.12	2000	Pass	EIRP = Conducted Power + ANT Gain
GPRS	PCS 1900	GMSK	Class10	1880.0	24.99	-2	22.99	199.07	2000	Pass	EIRP = Conducted Power + ANT Gain
GPRS	PCS 1900	GMSK	Class11	1880.0	24.84	-2	22.84	192.31	2000	Pass	EIRP = Conducted Power + ANT Gain
GPRS	PCS 1900	GMSK	Class12	1880.0	22.78	-2	20.78	119.67	2000	Pass	EIRP = Conducted Power + ANT Gain
GPRS	PCS 1900	GMSK	Class8	1909.8	24.78	-2	22.78	189.67	2000	Pass	EIRP = Conducted Power + ANT Gain
GPRS	PCS 1900	GMSK	Class10	1909.8	24.63	-2	22.63	183.23	2000	Pass	EIRP = Conducted Power + ANT Gain
GPRS	PCS 1900	GMSK	Class11	1909.8	24.43	-2	22.43	174.98	2000	Pass	EIRP = Conducted Power + ANT Gain
GPRS	PCS 1900	GMSK	Class12	1909.8	22.37	-2	20.37	108.89	2000	Pass	EIRP = Conducted Power + ANT Gain

3. Occupied Bandwidth

Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	OBW(MHz)	26EBW(MHz)
NVNT	GPRS	PCS 1900	GMSK	Class12	1850.2	0.2450	0.3164
NVNT	GPRS	PCS 1900	GMSK	Class12	1880.0	0.2429	0.3102
NVNT	GPRS	PCS 1900	GMSK	Class12	1909.8	0.2446	0.3204

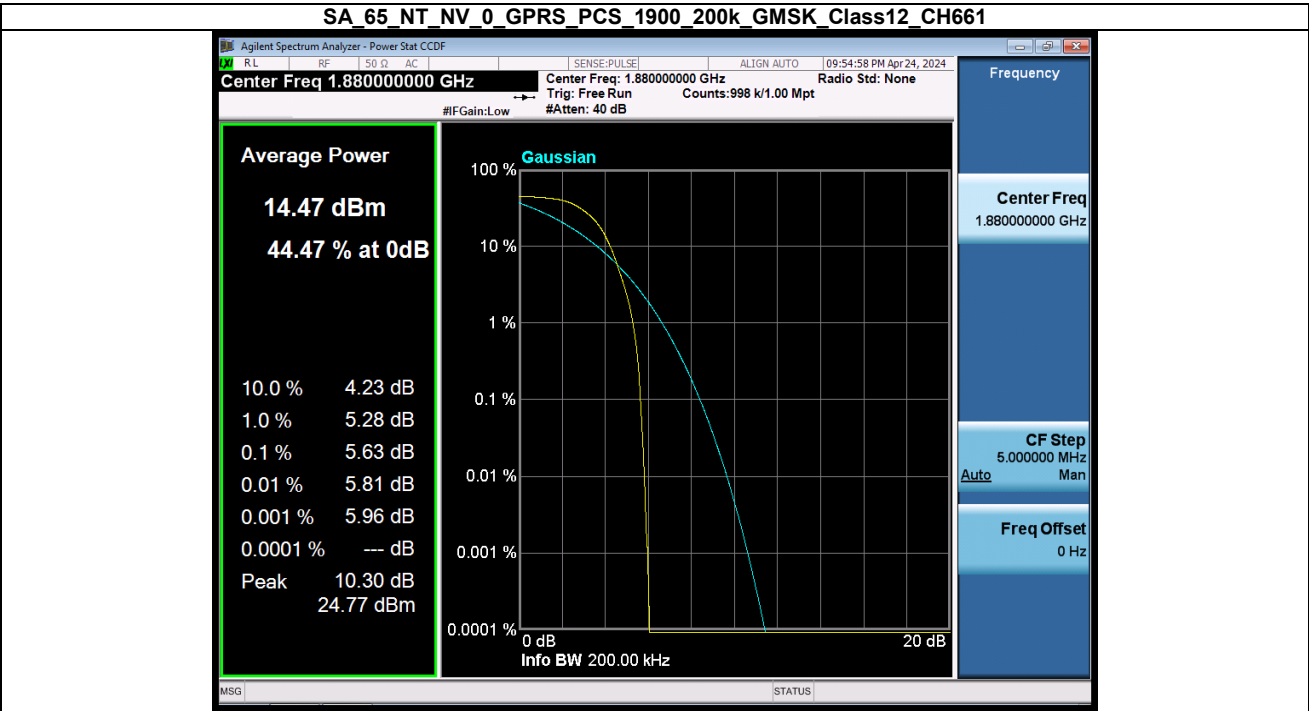


SA_65_NT_NV_0_GPRS_PCS_1900_200k_GMSK_Class12_CH810

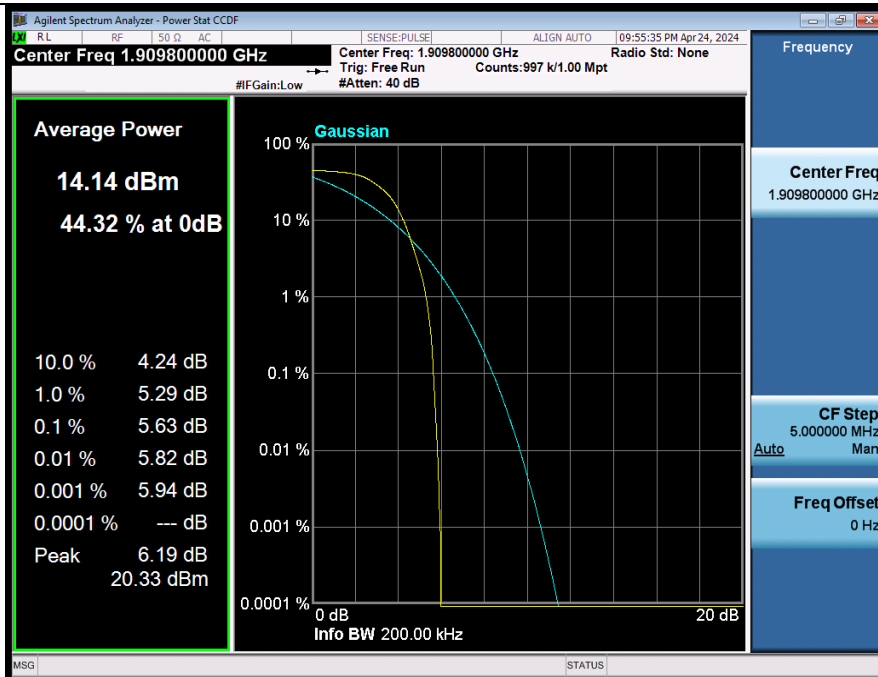


4. Peak to Average Ratio

Condition	Services	Band	Modulation	Class Type	Frequency(MHz)	Peak to AVG Ratio-0.1%(dB)	Limit(dB)	Result
NVNT	GPRS	PCS 1900	GMSK	Class12	1850.2	5.63	13.00	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1880.0	5.63	13.00	Pass
NVNT	GPRS	PCS 1900	GMSK	Class12	1909.8	5.63	13.00	Pass

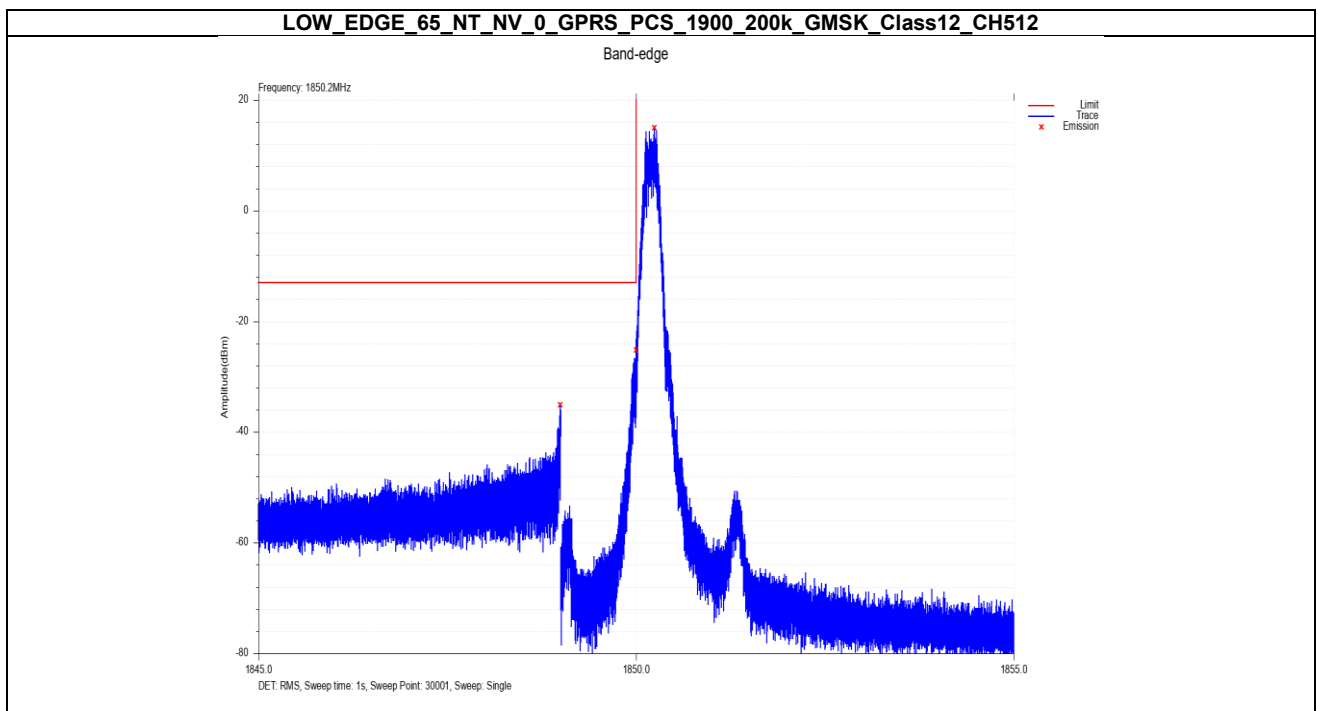


SA_65_NT_NV_0_GPRS_PCS_1900_200k_GMSK_Class12_CH810



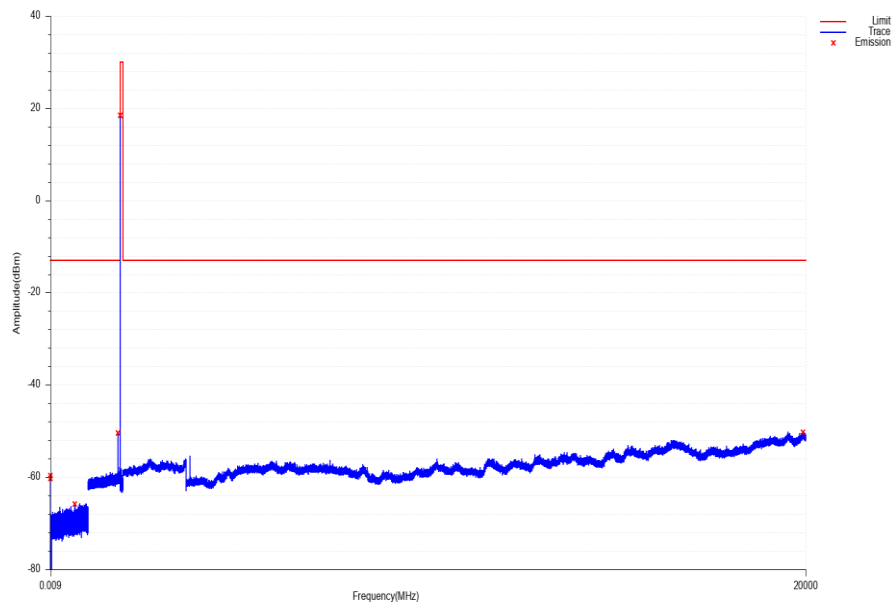
5. Unwanted Spurious Emission

Services	Band	Modulation	Class Type	Frequency(MHz)	RBW(kHz)	Test Freq Range(MHz)	Spur Freq (MHz)	Spur Level(dBm)	Limit(dBm)	Result
GPRS	PCS 1900	GMSK	Class12	1850.20	1000	1845.0~1849.0	1848.998	-35.02	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1850.20	3	1849.0~1850.0	1849.997	-25.14	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1850.20	1	0.009~0.150	0.010	-59.60	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1850.20	10	0.150~30.000	0.158	-60.35	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1850.20	100	30.000~1000.000	648.278	-65.84	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1850.20	1000	1000.000~1845.000	1783.709	-50.49	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1850.20	1000	1915.000~20000.000	19931.880	-50.26	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1880.00	1	0.009~0.150	0.011	-57.94	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1880.00	10	0.150~30.000	0.160	-60.72	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1880.00	100	30.000~1000.000	857.378	-65.58	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1880.00	1000	1000.000~1845.000	1844.746	-58.55	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1880.00	1000	1915.000~20000.000	19525.570	-49.99	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1909.80	3	1910.0~1911.0	1910.000	-26.24	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1909.80	1000	1911.0~1915.0	1911.000	-35.47	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1909.80	1	0.009~0.150	0.010	-57.71	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1909.80	10	0.150~30.000	0.150	-60.38	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1909.80	100	30.000~1000.000	824.721	-66.11	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1909.80	1000	1000.000~1845.000	1843.028	-58.73	-13	Pass
GPRS	PCS 1900	GMSK	Class12	1909.80	1000	1915.000~20000.000	19975.284	-49.83	-13	Pass



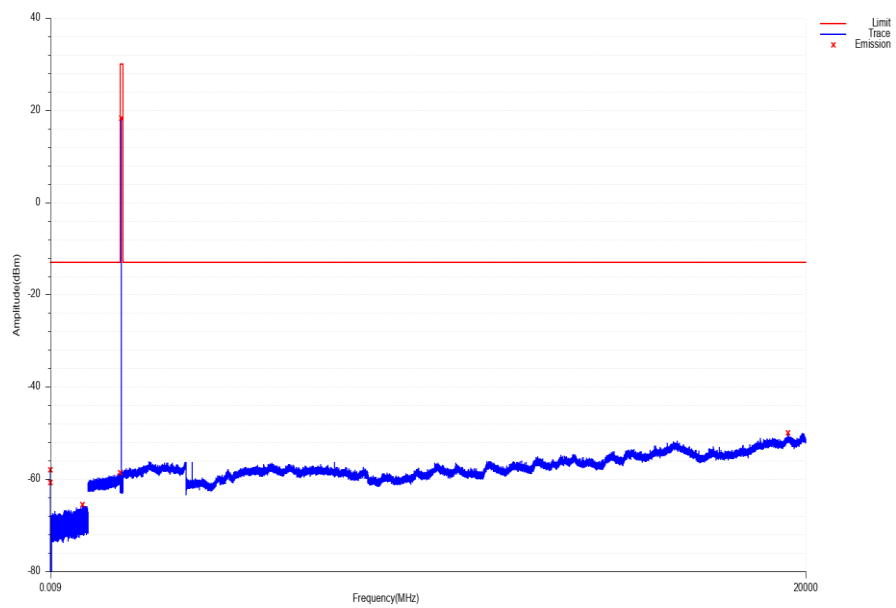
SA_65_NT_NV_0_GPRS_PCS_1900_200k_GMSK_Class12_CH512

Unwanted spurious emissions

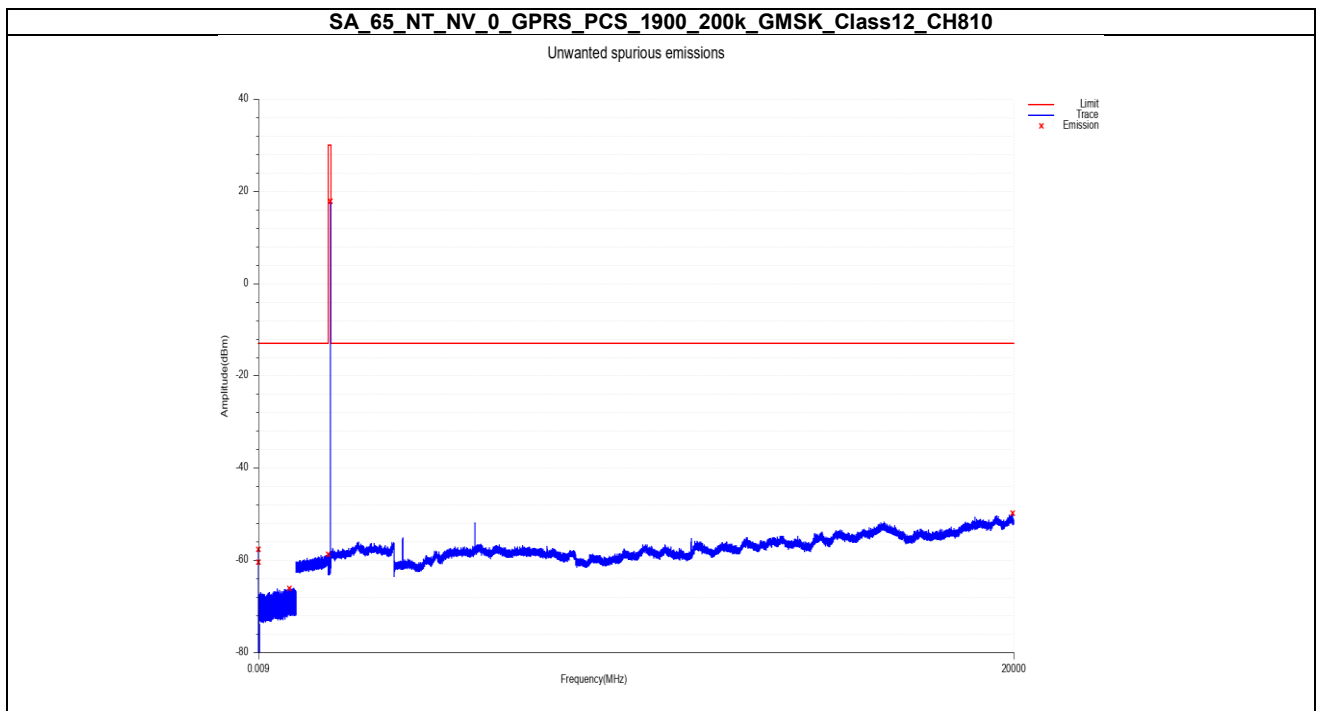
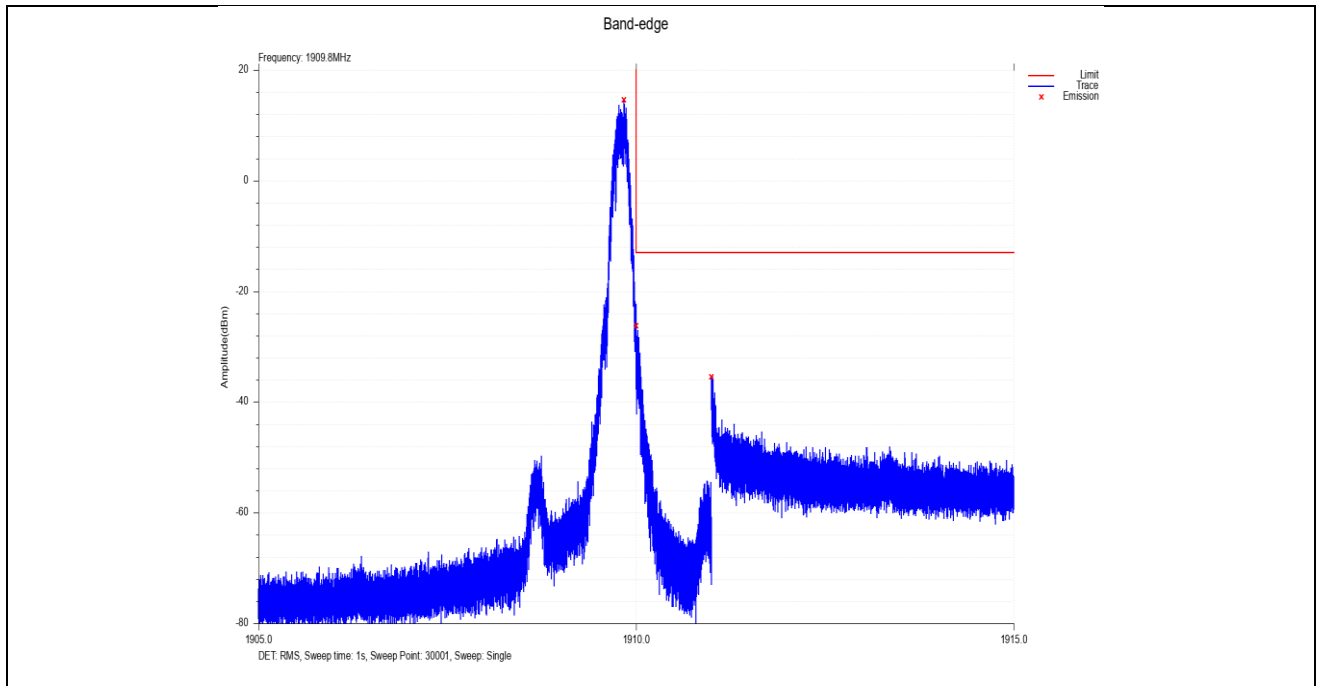


SA_65_NT_NV_0_GPRS_PCS_1900_200k_GMSK_Class12_CH661

Unwanted spurious emissions



UPPER_EDGE_65_NT_NV_0_GPRS_PCS_1900_200k_GMSK_Class12_CH810



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	PCS 1900	GMSK	Class12	1850.2	0.0064	-2.50	2.50	Pass
-30	3.3	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0019	-2.50	2.50	Pass
-30	3.3	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0040	-2.50	2.50	Pass
-30	3.8	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0081	-2.50	2.50	Pass
-30	3.8	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0079	-2.50	2.50	Pass
-30	3.8	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0010	-2.50	2.50	Pass
-30	4.2	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0053	-2.50	2.50	Pass
-30	4.2	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0018	-2.50	2.50	Pass
-30	4.2	GPRS	PCS 1900	GMSK	Class12	1909.8	-0.0015	-2.50	2.50	Pass
-20	3.3	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0012	-2.50	2.50	Pass
-20	3.3	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0083	-2.50	2.50	Pass
-20	3.3	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0059	-2.50	2.50	Pass
-20	3.8	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0024	-2.50	2.50	Pass
-20	3.8	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0034	-2.50	2.50	Pass
-20	3.8	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0119	-2.50	2.50	Pass
-20	4.2	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0132	-2.50	2.50	Pass
-20	4.2	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0095	-2.50	2.50	Pass
-20	4.2	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0006	-2.50	2.50	Pass
-10	3.3	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0103	-2.50	2.50	Pass
-10	3.3	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0019	-2.50	2.50	Pass
-10	3.3	GPRS	PCS 1900	GMSK	Class12	1909.8	-0.0011	-2.50	2.50	Pass
-10	3.8	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0098	-2.50	2.50	Pass
-10	3.8	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0107	-2.50	2.50	Pass
-10	3.8	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0046	-2.50	2.50	Pass
-10	4.2	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0107	-2.50	2.50	Pass
-10	4.2	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0051	-2.50	2.50	Pass
-10	4.2	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0073	-2.50	2.50	Pass
0	3.3	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0032	-2.50	2.50	Pass
0	3.3	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0109	-2.50	2.50	Pass
0	3.3	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0079	-2.50	2.50	Pass
0	3.8	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0024	-2.50	2.50	Pass
0	3.8	GPRS	PCS 1900	GMSK	Class12	1880.0	-0.0010	-2.50	2.50	Pass
0	3.8	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0046	-2.50	2.50	Pass
0	4.2	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0061	-2.50	2.50	Pass

			1900							
0	4.2	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0101	-2.50	2.50	Pass
0	4.2	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0059	-2.50	2.50	Pass
10	3.3	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0042	-2.50	2.50	Pass
10	3.3	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0092	-2.50	2.50	Pass
10	3.3	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0027	-2.50	2.50	Pass
10	3.8	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0133	-2.50	2.50	Pass
10	3.8	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0020	-2.50	2.50	Pass
10	3.8	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0093	-2.50	2.50	Pass
10	4.2	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0010	-2.50	2.50	Pass
10	4.2	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0008	-2.50	2.50	Pass
10	4.2	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0064	-2.50	2.50	Pass
20	3.3	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0136	-2.50	2.50	Pass
20	3.3	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0026	-2.50	2.50	Pass
20	3.3	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0102	-2.50	2.50	Pass
20	3.8	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0008	-2.50	2.50	Pass
20	3.8	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0086	-2.50	2.50	Pass
20	3.8	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0089	-2.50	2.50	Pass
20	4.2	GPRS	PCS 1900	GMSK	Class12	1850.2	-0.0023	-2.50	2.50	Pass
20	4.2	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0088	-2.50	2.50	Pass
20	4.2	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0023	-2.50	2.50	Pass
30	3.3	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0055	-2.50	2.50	Pass
30	3.3	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0087	-2.50	2.50	Pass
30	3.3	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0008	-2.50	2.50	Pass
30	3.8	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0002	-2.50	2.50	Pass
30	3.8	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0100	-2.50	2.50	Pass
30	3.8	GPRS	PCS 1900	GMSK	Class12	1909.8	-0.0025	-2.50	2.50	Pass
30	4.2	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0071	-2.50	2.50	Pass
30	4.2	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0066	-2.50	2.50	Pass
30	4.2	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0003	-2.50	2.50	Pass
40	3.3	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0051	-2.50	2.50	Pass
40	3.3	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0078	-2.50	2.50	Pass
40	3.3	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0064	-2.50	2.50	Pass
40	3.8	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0085	-2.50	2.50	Pass
40	3.8	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0073	-2.50	2.50	Pass
40	3.8	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0079	-2.50	2.50	Pass
40	4.2	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0095	-2.50	2.50	Pass
40	4.2	GPRS	PCS 1900	GMSK	Class12	1880.0	-0.0047	-2.50	2.50	Pass
40	4.2	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0079	-2.50	2.50	Pass

50	3.3	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0041	-2.50	2.50	Pass
50	3.3	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0025	-2.50	2.50	Pass
50	3.3	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0038	-2.50	2.50	Pass
50	3.8	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0063	-2.50	2.50	Pass
50	3.8	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0045	-2.50	2.50	Pass
50	3.8	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0044	-2.50	2.50	Pass
50	4.2	GPRS	PCS 1900	GMSK	Class12	1850.2	0.0020	-2.50	2.50	Pass
50	4.2	GPRS	PCS 1900	GMSK	Class12	1880.0	0.0028	-2.50	2.50	Pass
50	4.2	GPRS	PCS 1900	GMSK	Class12	1909.8	0.0076	-2.50	2.50	Pass