

1.1 Test Result

Test Band: PCS1900											
Test Mode		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
		LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
EGPRS	1 TX Slot	25.95	25.64	25.29	/	2.00	27.95	27.64	27.29	33.01	PASS
	2 TX Slots	25.03	24.76	24.49	/	2.00	27.03	26.76	26.49	33.01	PASS
	3 TX Slots	23.15	22.96	22.63	/	2.00	25.15	24.96	24.63	33.01	PASS
	4 TX Slots	22.15	21.95	21.69	/	2.00	24.15	23.95	23.69	33.01	PASS
GPRS	1 TX Slot	29.26	29.11	28.92	/	2.00	31.26	31.11	30.92	33.01	PASS
	2 TX Slots	28.32	28.23	28.08	/	2.00	30.32	30.23	30.08	33.01	PASS
	3 TX Slots	26.27	26.17	26.03	/	2.00	28.27	28.17	28.03	33.01	PASS
	4 TX Slots	25.12	25.01	24.89	/	2.00	27.12	27.01	26.89	33.01	PASS
GSM	GSM	29.30	29.20	29.01	/	2.00	31.3	31.2	31.01	33.01	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)											

2. Frequency stability

2.1 Test Result

Test Band: GSM850 (Frequency Error VS. Voltage)										
Test Mode	Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
EGPRS	NT	LV	9.7939	11.5008	12.2814	0.0119	0.0137	0.0145	2.50	PASS
		NV	6.5783	13.3105	13.4397	0.008	0.0159	0.0158	2.50	PASS
		HV	6.6165	10.5000	10.0274	0.008	0.0126	0.0118	2.50	PASS
GPRS	NT	LV	2.7413	1.9973	4.1267	0.0033	0.0024	0.0049	2.50	PASS
		NV	2.0323	5.7055	0.9547	0.0025	0.0068	0.0011	2.50	PASS
		HV	13.5165	1.1534	12.3465	0.0164	0.0014	0.0145	2.50	PASS
GSM	NT	LV	14.4043	3.0752	14.7497	0.0175	0.0037	0.0174	2.50	PASS
		NV	12.6444	7.3710	6.1330	0.0153	0.0088	0.0072	2.50	PASS
		HV	12.4940	7.9875	14.2526	0.0152	0.0095	0.0168	2.50	PASS

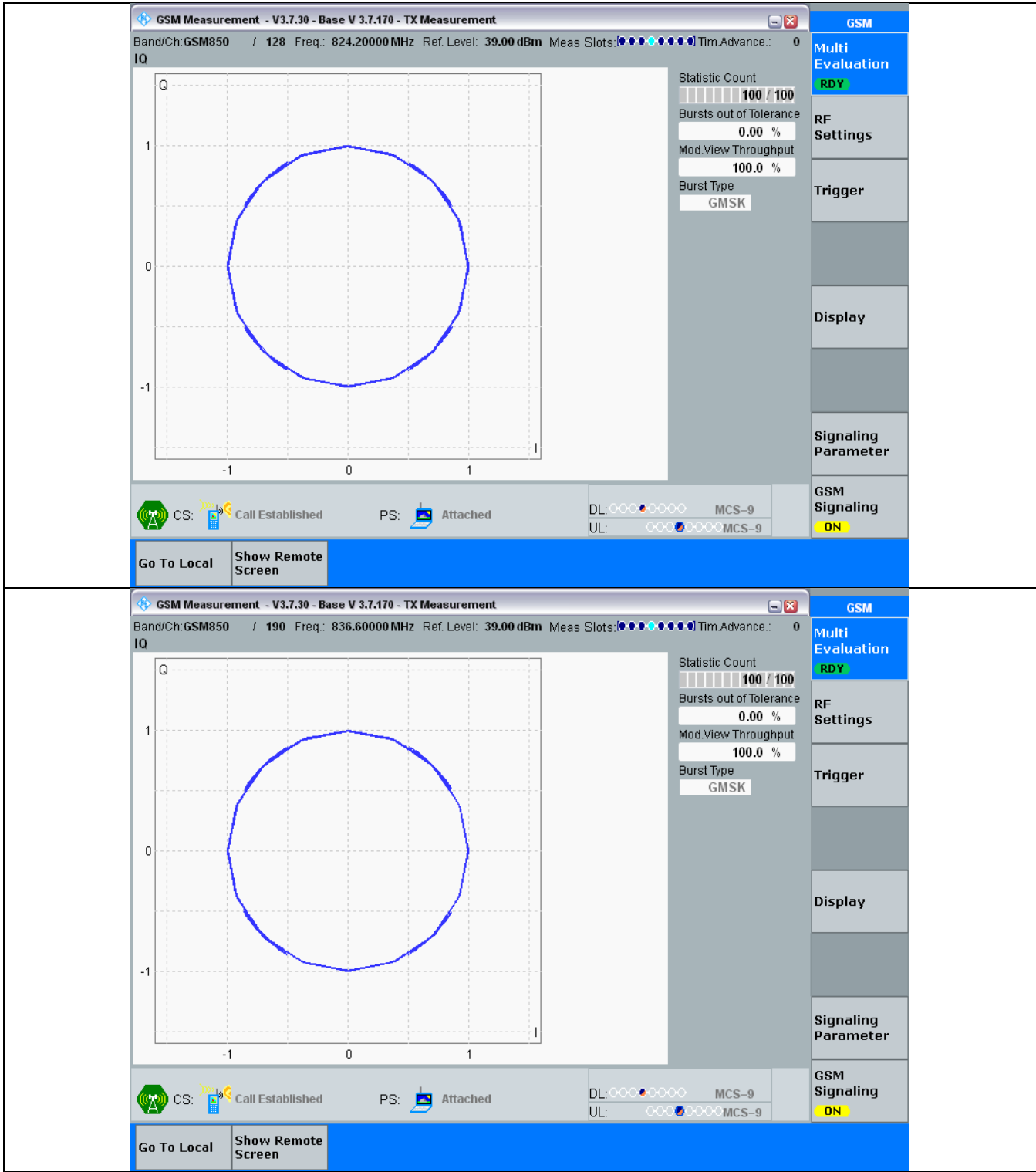
Test Band: GSM850 (Frequency Error VS. Temperature)										
Test Mode	Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
EGPRS	NV	-30.00	8.8797	10.5218	8.8605	0.0108	0.0126	0.0104	2.50	PASS
		-20.00	9.6169	10.1421	5.3231	0.0117	0.0121	0.0063	2.50	PASS
		-10.00	8.3735	6.2150	14.3694	0.0102	0.0074	0.0169	2.50	PASS
		0.00	1.6620	11.3882	7.6526	0.002	0.0136	0.009	2.50	PASS
		10.00	3.9785	8.8016	6.6902	0.0048	0.0105	0.0079	2.50	PASS
		20.00	0.5769	3.5152	8.3809	0.0007	0.0042	0.0099	2.50	PASS
		30.00	4.4183	8.8290	6.5544	0.0054	0.0106	0.0077	2.50	PASS
		40.00	6.2794	11.8675	10.6099	0.0076	0.0142	0.0125	2.50	PASS
		50.00	12.6748	8.9703	1.0290	0.0154	0.0107	0.0012	2.50	PASS
GPRS	NV	-30.00	14.1233	3.8518	4.3813	0.0171	0.0046	0.0052	2.50	PASS
		-20.00	2.0431	0.1705	4.7819	0.0025	0.0002	0.0056	2.50	PASS
		-10.00	7.9326	14.3700	4.5730	0.0096	0.0172	0.0054	2.50	PASS
		0.00	13.4247	2.8884	3.9839	0.0163	0.0035	0.0047	2.50	PASS
		10.00	9.5484	4.2699	6.7855	0.0116	0.0051	0.008	2.50	PASS
		20.00	1.2099	14.7047	7.0988	0.0015	0.0176	0.0084	2.50	PASS
		30.00	9.5974	11.2499	0.0256	0.0116	0.0134	0	2.50	PASS
		40.00	14.3538	10.8493	13.0340	0.0174	0.013	0.0154	2.50	PASS
		50.00	1.7233	11.1812	6.7724	0.0021	0.0134	0.008	2.50	PASS
GSM	NV	-30.00	3.0907	1.7512	1.0137	0.0037	0.0021	0.0012	2.50	PASS
		-20.00	14.5907	1.9389	5.0038	0.0177	0.0023	0.0059	2.50	PASS
		-10.00	11.9679	14.4371	4.6499	0.0145	0.0173	0.0055	2.50	PASS
		0.00	1.7783	6.5320	0.3933	0.0022	0.0078	0.0005	2.50	PASS
		10.00	5.9278	6.3371	0.0627	0.0072	0.0076	0.0001	2.50	PASS
		20.00	1.6146	7.0246	6.2341	0.002	0.0084	0.0073	2.50	PASS
		30.00	3.8077	4.8192	11.7960	0.0046	0.0058	0.0139	2.50	PASS
		40.00	0.9657	13.8349	1.3796	0.0012	0.0165	0.0016	2.50	PASS
		50.00	8.8628	6.6469	7.1814	0.0108	0.0079	0.0085	2.50	PASS

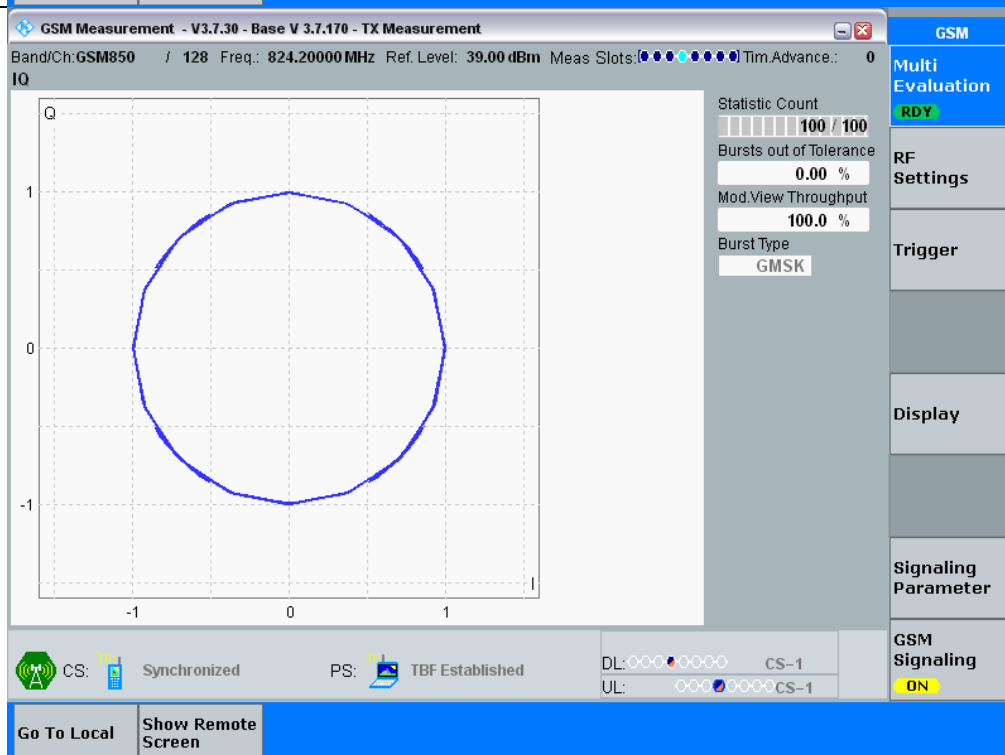
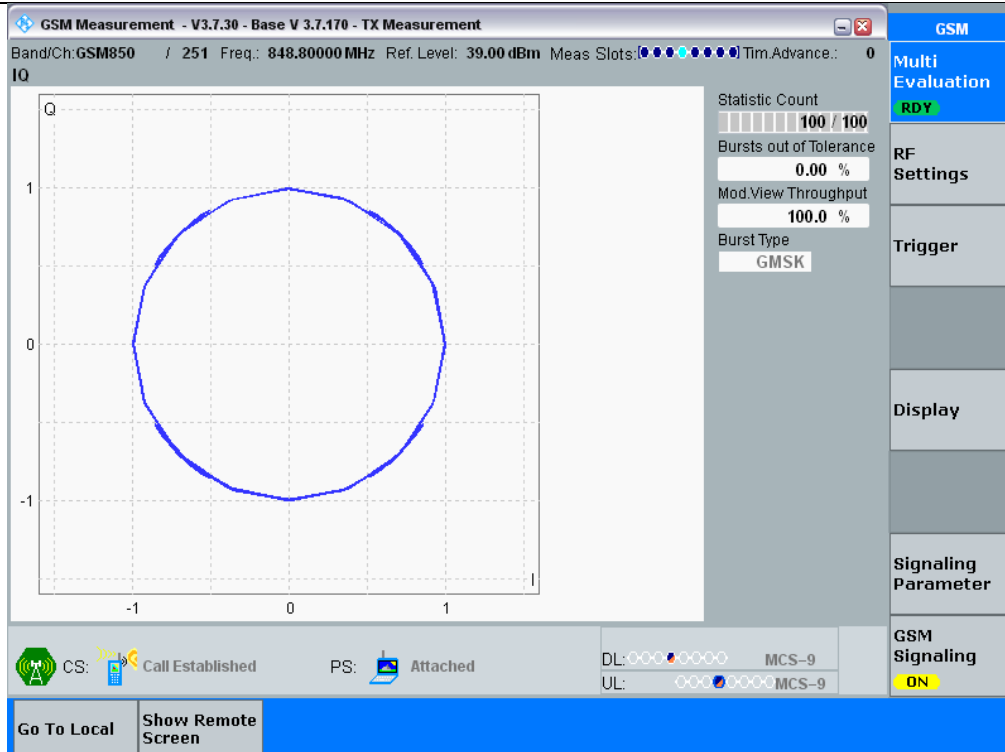
Test Band: PCS1900 (Frequency Error VS. Voltage)										
Test Mode	Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
EGPRS	NT	LV	8.5575	13.6959	7.6295	0.0046	0.0073	0.004	2.50	PASS
		NV	6.5480	0.3666	9.1762	0.0035	0.0002	0.0048	2.50	PASS
		HV	4.9178	7.6191	10.6706	0.0027	0.0041	0.0056	2.50	PASS
GPRS	NT	LV	12.7313	11.2177	4.0659	0.0069	0.006	0.0021	2.50	PASS
		NV	0.7358	3.8498	3.4672	0.0004	0.002	0.0018	2.50	PASS
		HV	12.1932	8.9870	14.6543	0.0066	0.0048	0.0077	2.50	PASS
GSM	NT	LV	5.9344	12.6375	13.2127	0.0032	0.0067	0.0069	2.50	PASS
		NV	4.0340	12.0430	12.7006	0.0022	0.0064	0.0067	2.50	PASS
		HV	3.1569	4.0921	11.4529	0.0017	0.0022	0.006	2.50	PASS

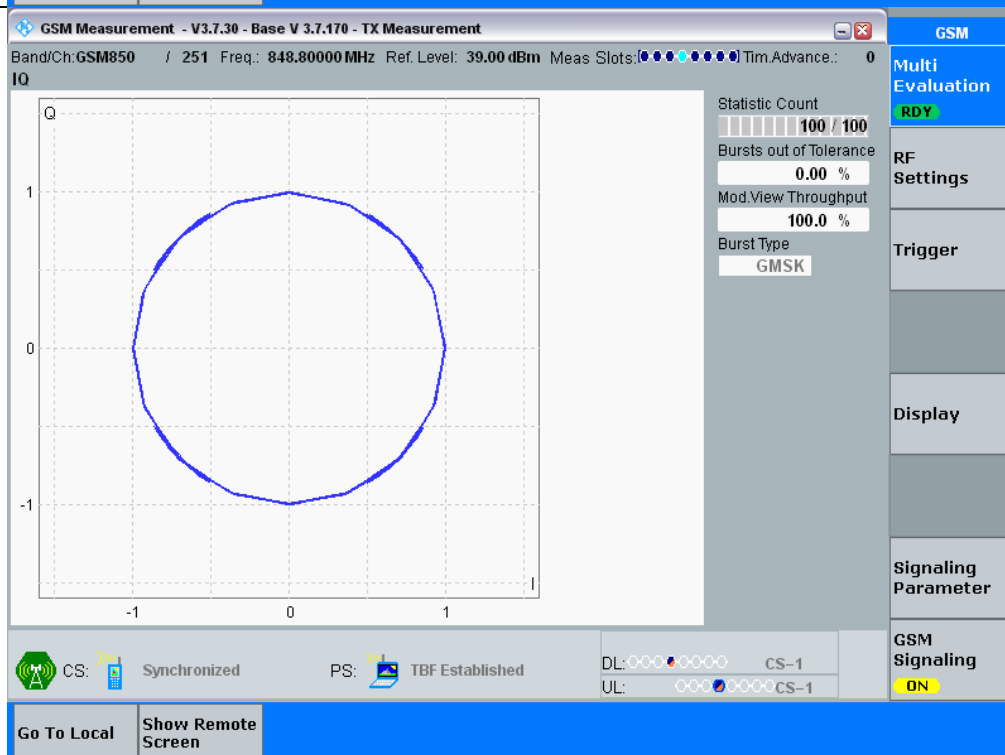
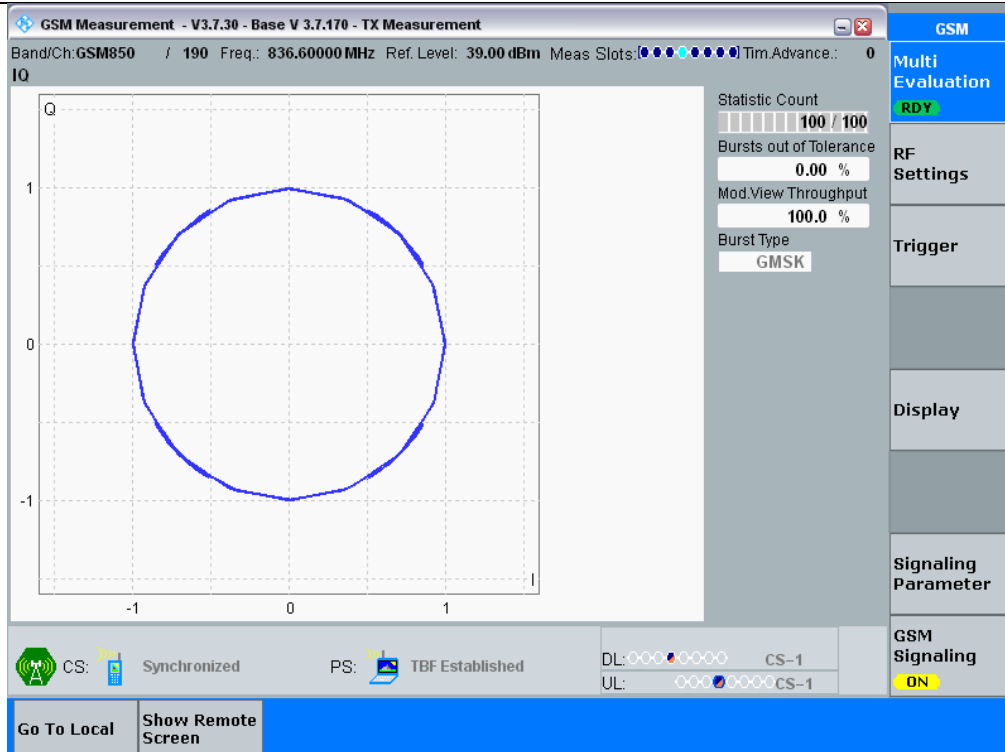
Test Band: PCS1900 (Frequency Error VS. Temperature)										
Test Mode	Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
EGPRS	NV	-30.00	2.8025	12.3157	1.2938	0.0015	0.0066	0.0007	2.50	PASS
		-20.00	9.4837	6.3545	8.0448	0.0051	0.0034	0.0042	2.50	PASS
		-10.00	14.9744	7.8949	1.4862	0.0081	0.0042	0.0008	2.50	PASS
		0.00	10.0370	12.6950	12.3523	0.0054	0.0068	0.0065	2.50	PASS
		10.00	11.8753	7.7100	14.6623	0.0064	0.0041	0.0077	2.50	PASS
		20.00	2.6237	6.4475	9.9300	0.0014	0.0034	0.0052	2.50	PASS
		30.00	9.7147	10.4139	2.0088	0.0053	0.0055	0.0011	2.50	PASS
		40.00	0.8981	4.3286	12.3717	0.0005	0.0023	0.0065	2.50	PASS
GPRS	NV	50.00	12.3195	1.0023	0.3481	0.0067	0.0005	0.0002	2.50	PASS
		-30.00	9.8883	14.5655	14.0400	0.0053	0.0077	0.0074	2.50	PASS
		-20.00	8.3948	12.6308	7.7457	0.0045	0.0067	0.0041	2.50	PASS
		-10.00	12.8630	5.6526	1.5593	0.007	0.003	0.0008	2.50	PASS
		0.00	4.4588	13.5132	5.2929	0.0024	0.0072	0.0028	2.50	PASS
		10.00	3.9555	10.7523	12.1200	0.0021	0.0057	0.0063	2.50	PASS
		20.00	12.1735	10.3934	2.9644	0.0066	0.0055	0.0016	2.50	PASS
		30.00	13.4223	1.5045	13.5032	0.0073	0.0008	0.0071	2.50	PASS
GSM	NV	40.00	13.8472	9.1826	0.8462	0.0075	0.0049	0.0004	2.50	PASS
		50.00	10.0359	6.9205	2.4917	0.0054	0.0037	0.0013	2.50	PASS
		-30.00	0.6235	13.3238	6.3356	0.0003	0.0071	0.0033	2.50	PASS
		-20.00	11.9754	5.7864	2.7535	0.0065	0.0031	0.0014	2.50	PASS
		-10.00	7.3267	7.7796	2.9971	0.004	0.0041	0.0016	2.50	PASS
		0.00	4.1881	2.9074	2.8041	0.0023	0.0015	0.0015	2.50	PASS
		10.00	7.6453	5.1215	10.9716	0.0041	0.0027	0.0057	2.50	PASS
		20.00	12.2532	0.5113	0.4406	0.0066	0.0003	0.0002	2.50	PASS
		30.00	11.7381	11.2840	7.9665	0.0063	0.006	0.0042	2.50	PASS
		40.00	13.0452	3.9540	9.0728	0.0071	0.0021	0.0048	2.50	PASS
		50.00	6.5789	7.6554	2.5022	0.0036	0.0041	0.0013	2.50	PASS

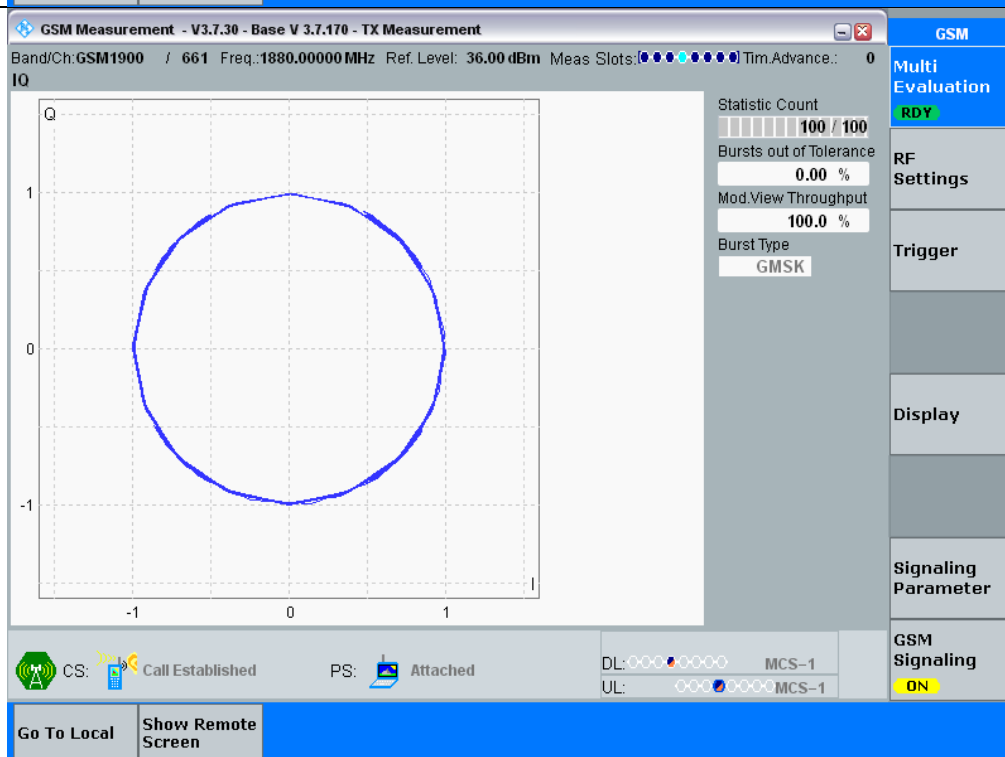
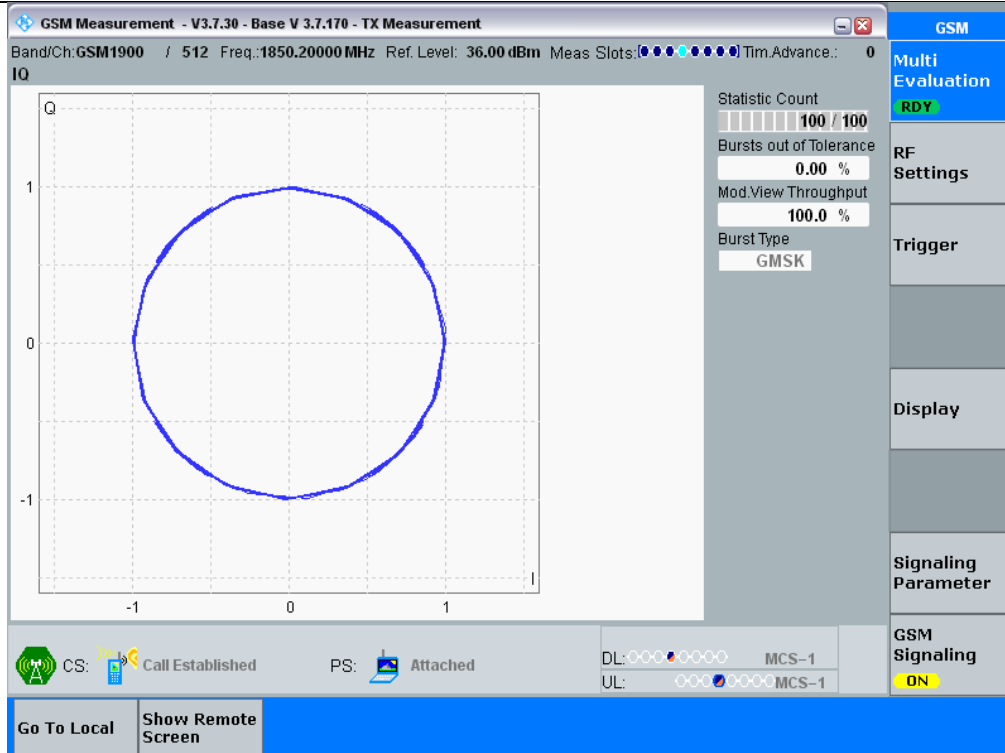
3. Modulation Characteristics

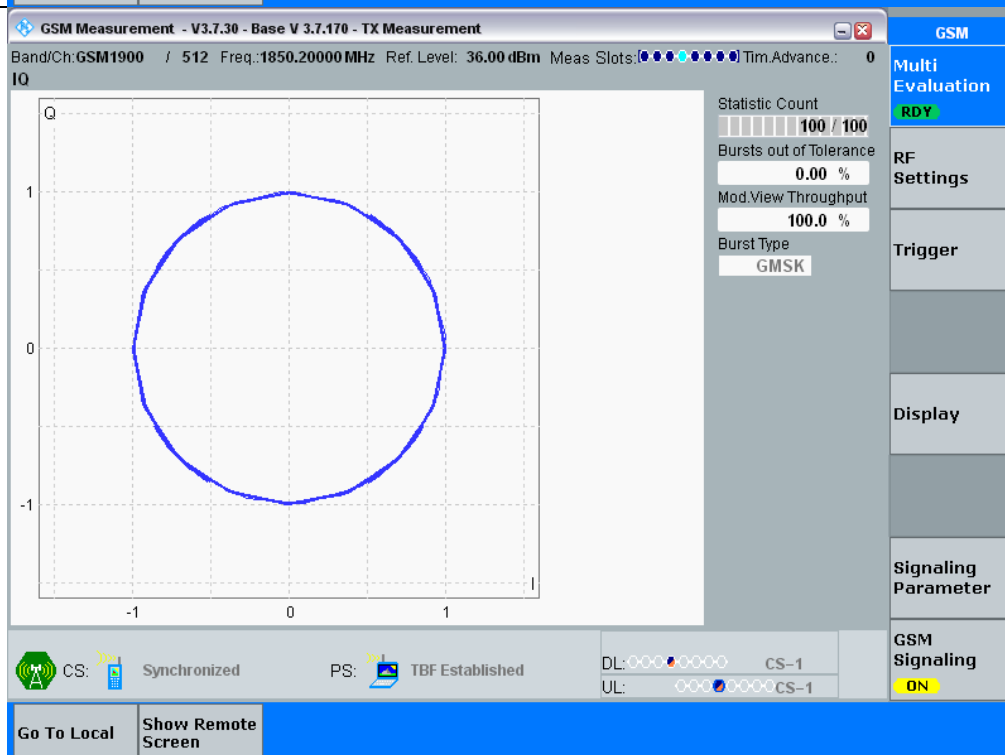
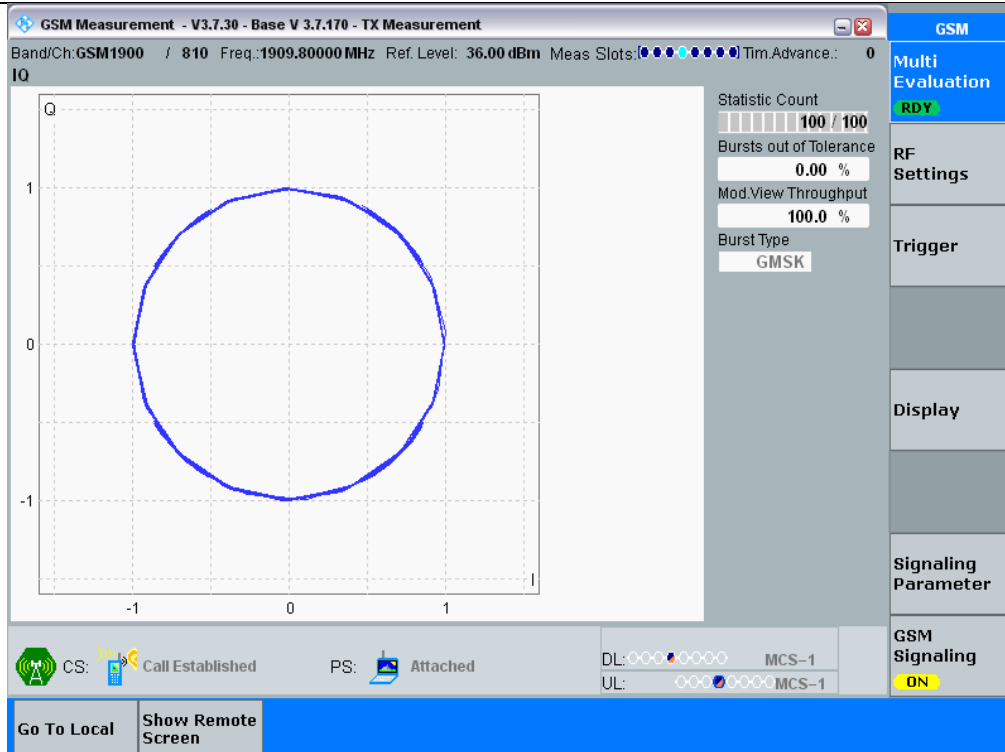
3.1 Test Graph

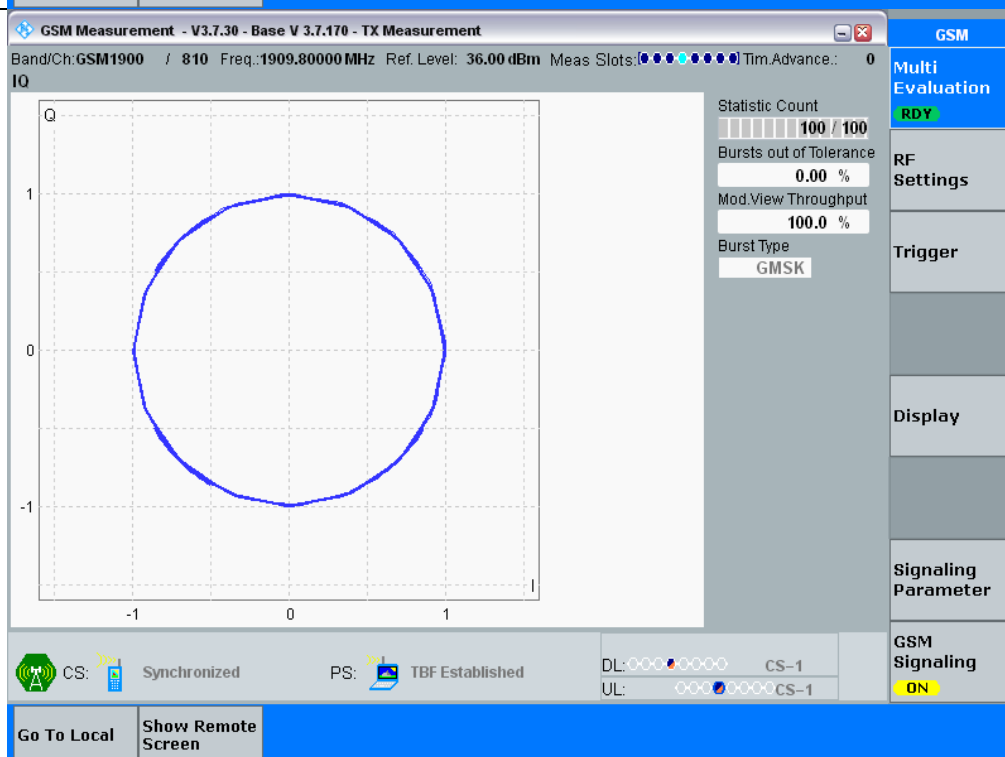
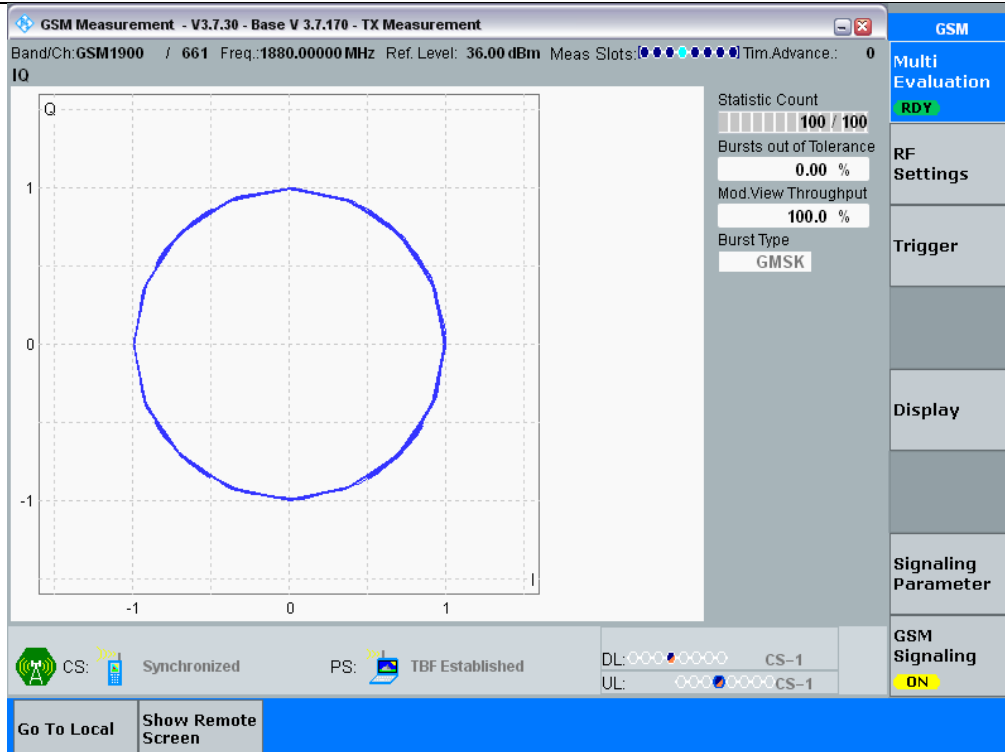










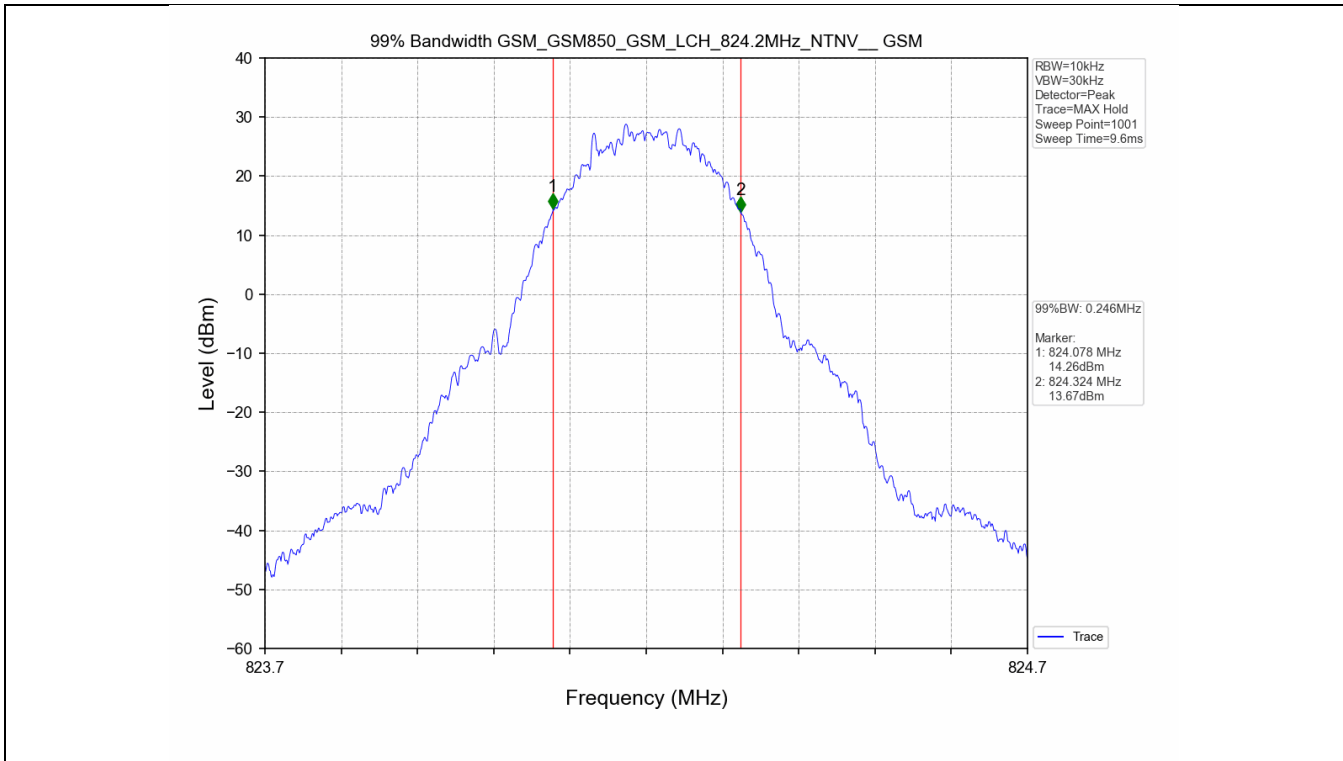


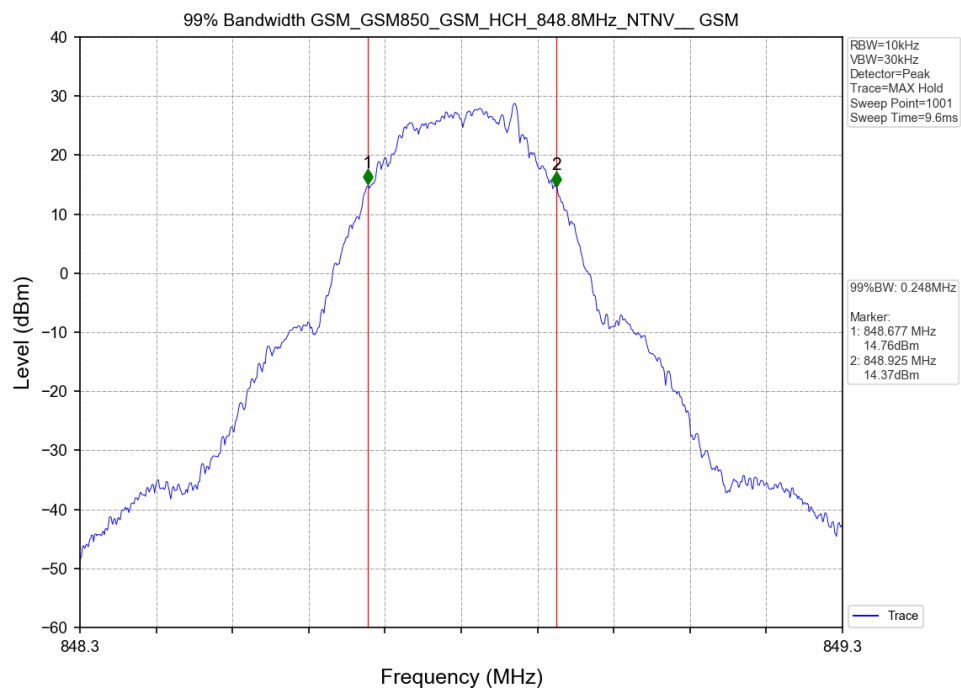
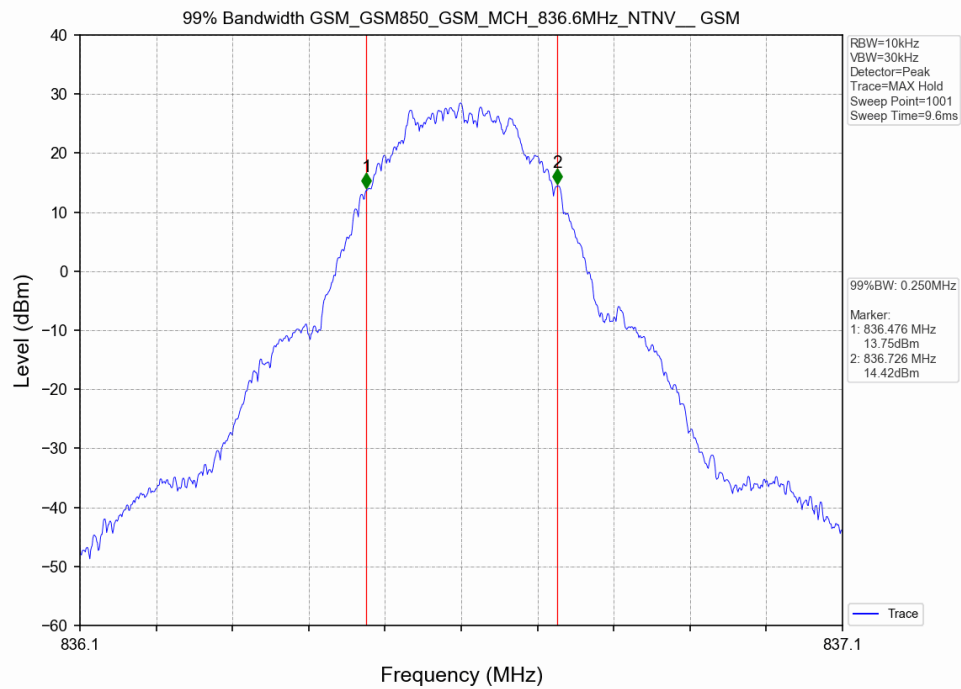
4. 99% & 26dB Bandwidth

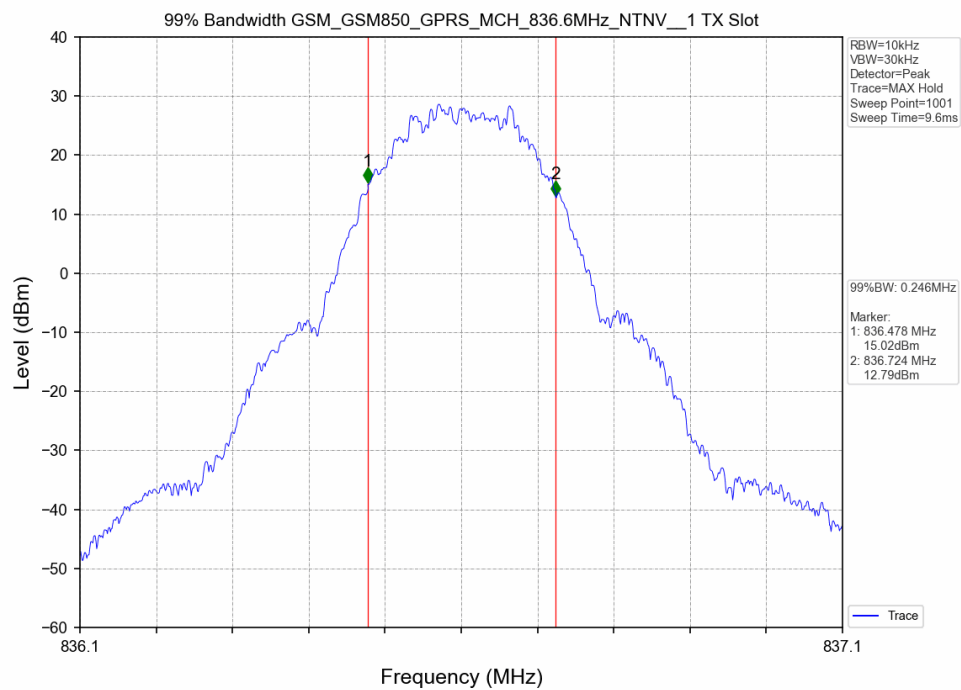
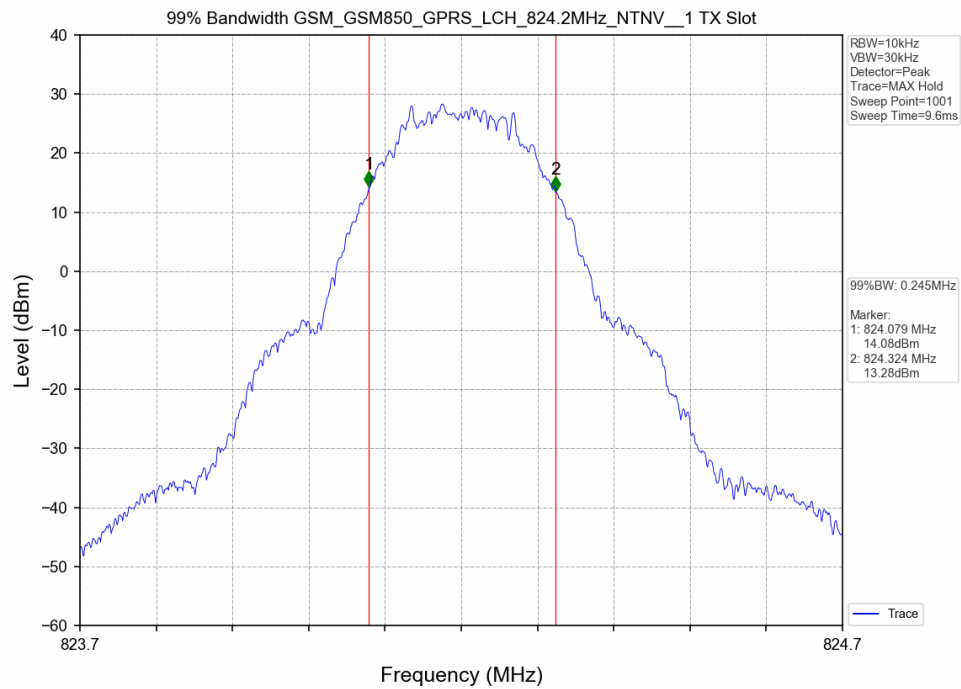
4.1 Test Result

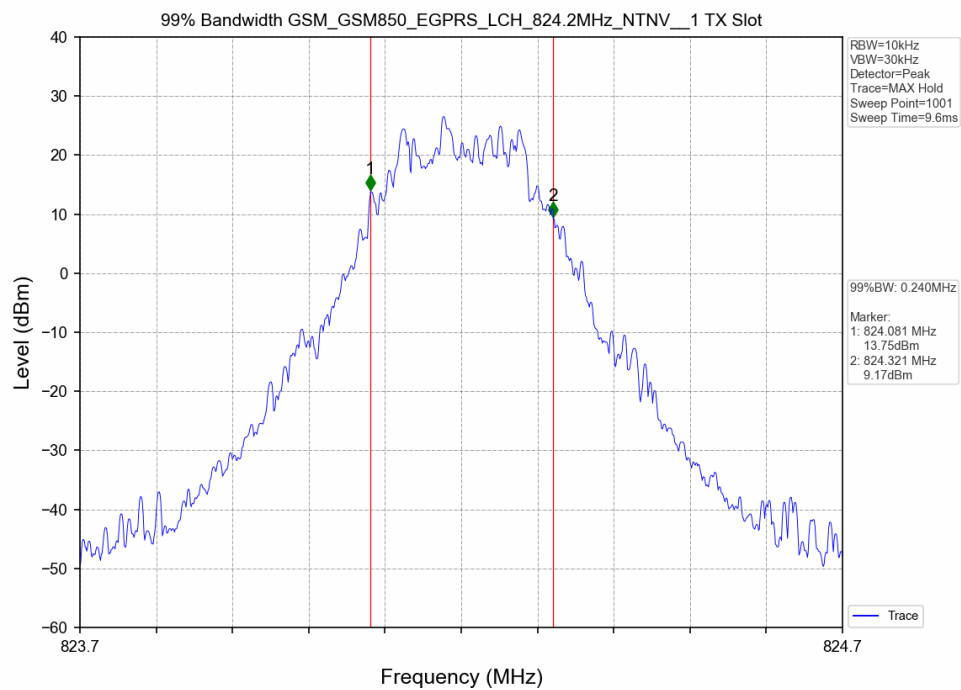
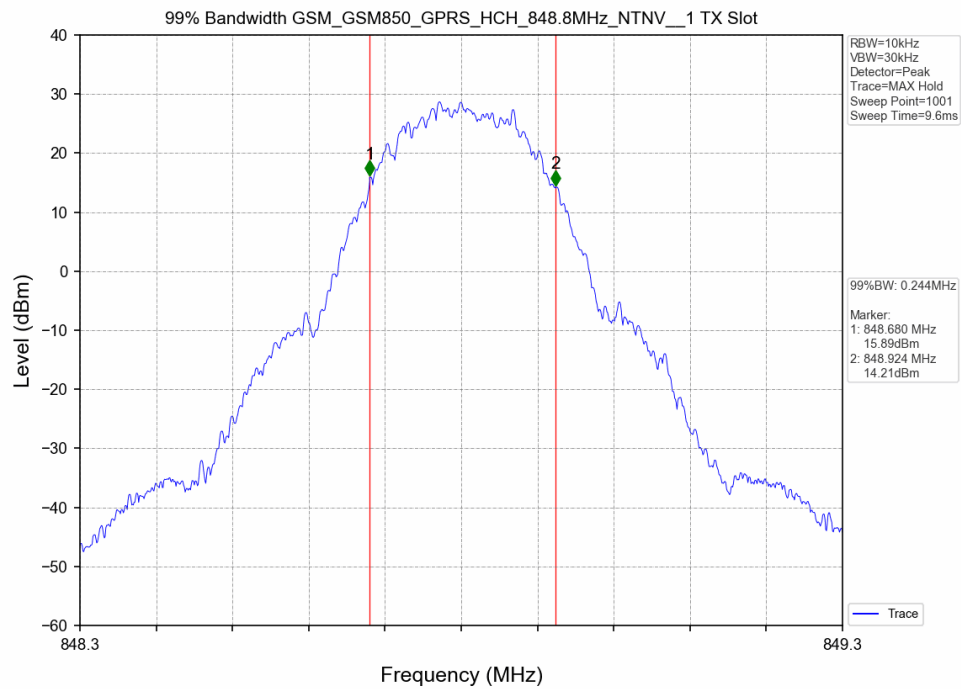
Test Band: GSM850					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.240	0.241	0.229	N/A	PASS
GPRS	0.245	0.246	0.244	N/A	PASS
GSM	0.246	0.250	0.248	N/A	PASS

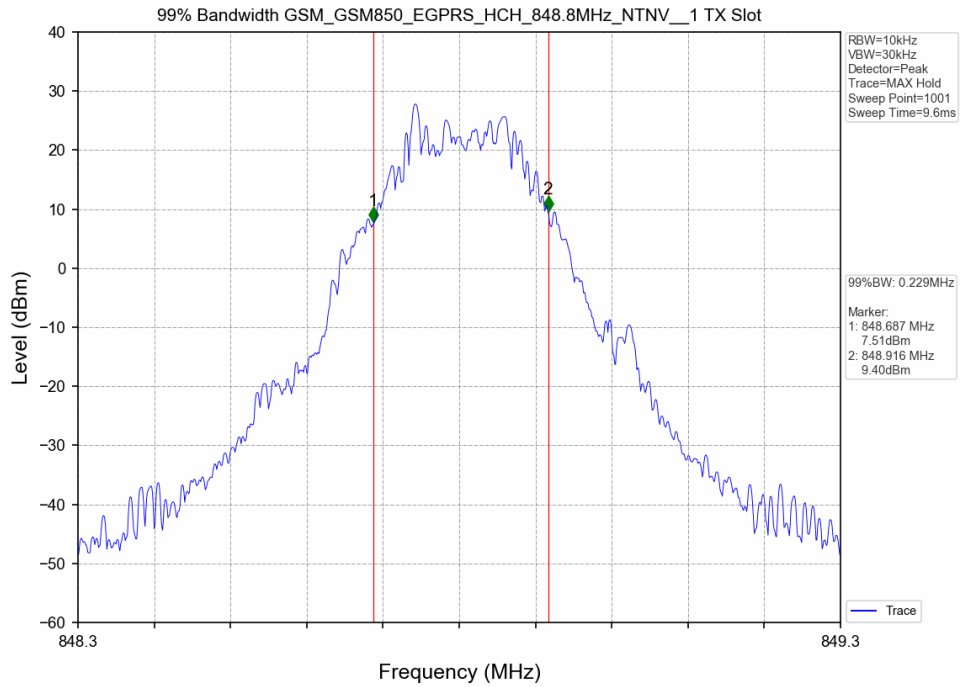
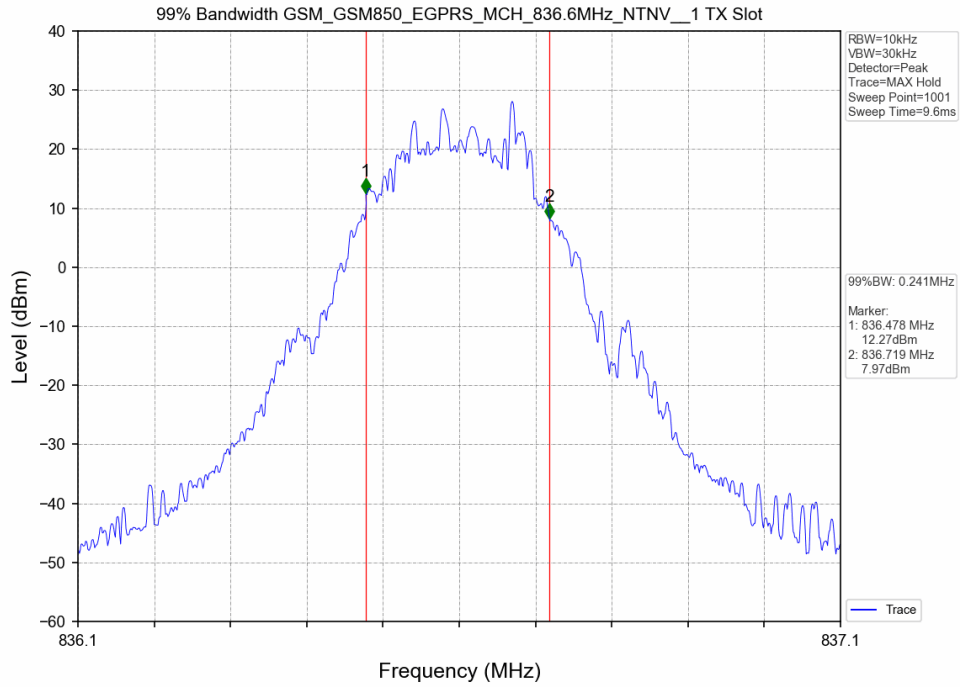
4.2 Test Graph







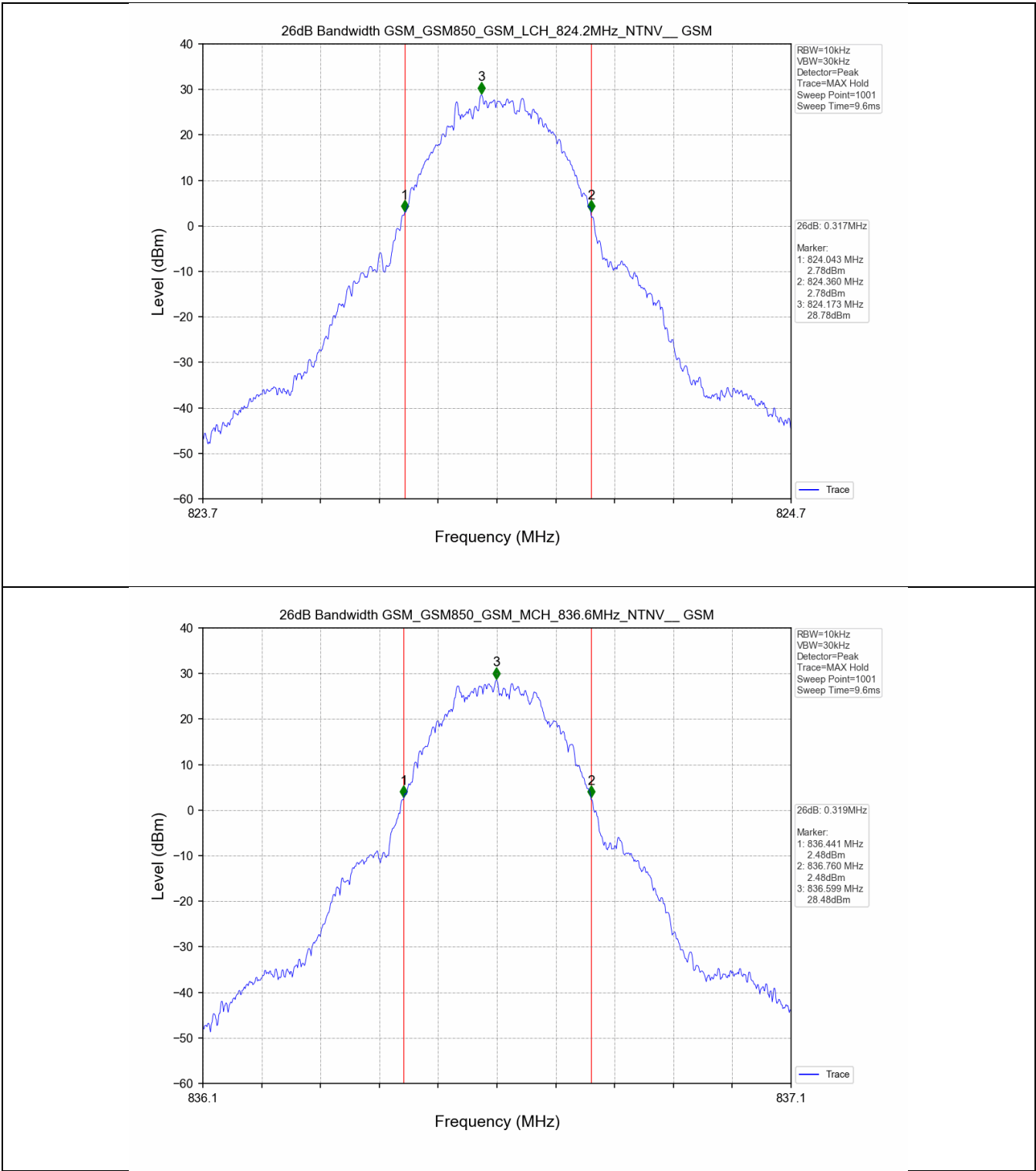


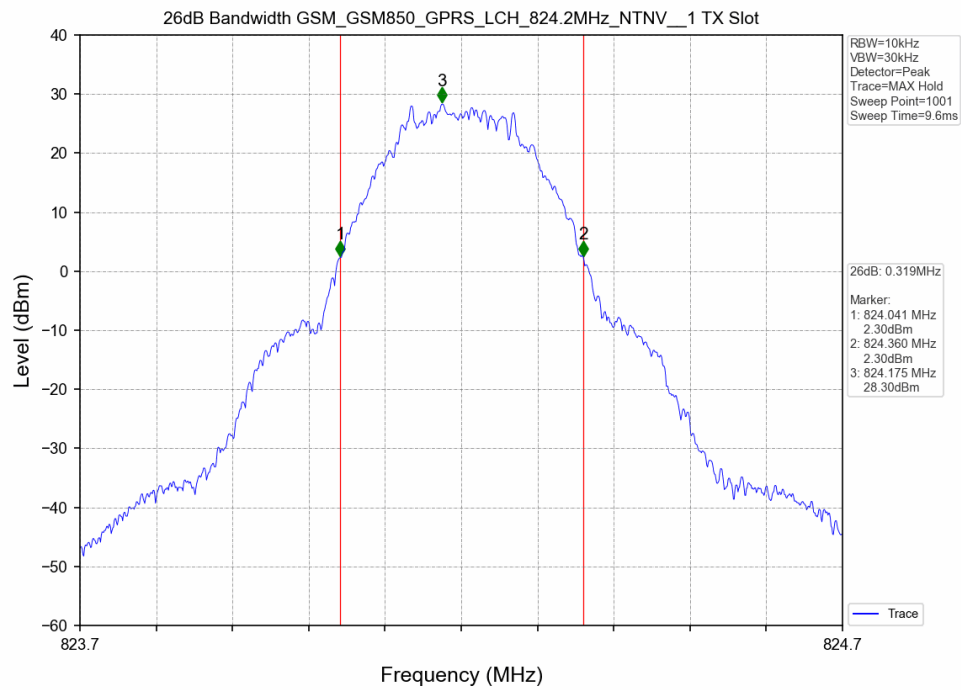
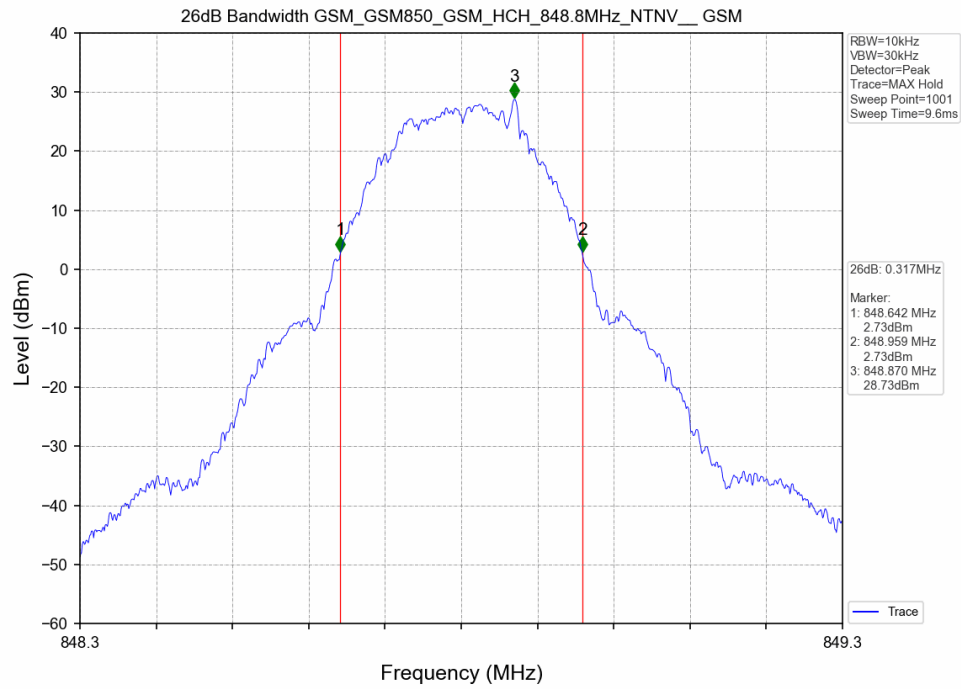


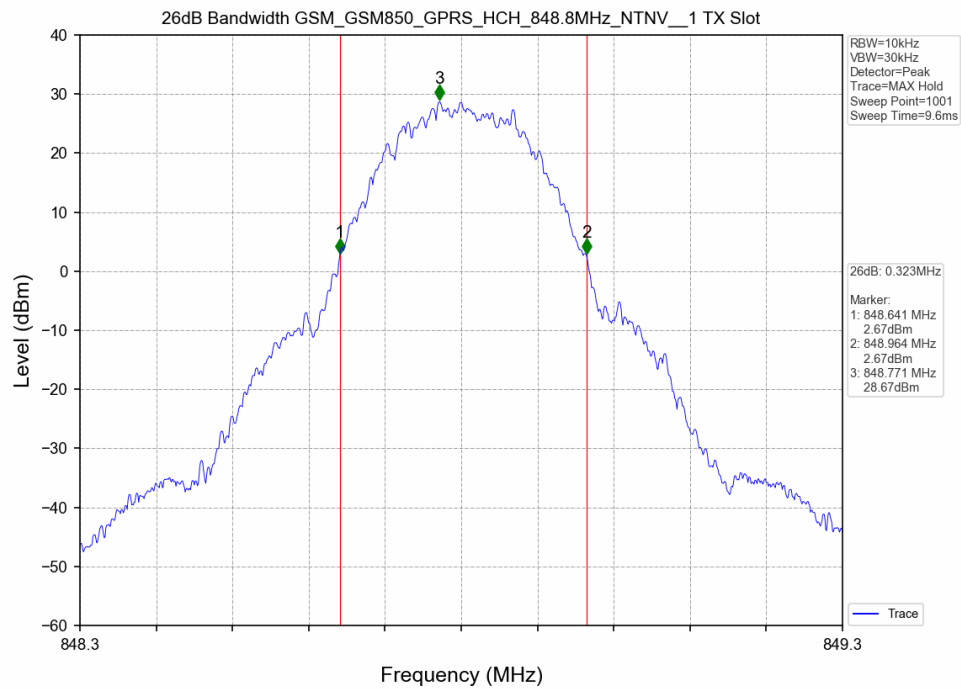
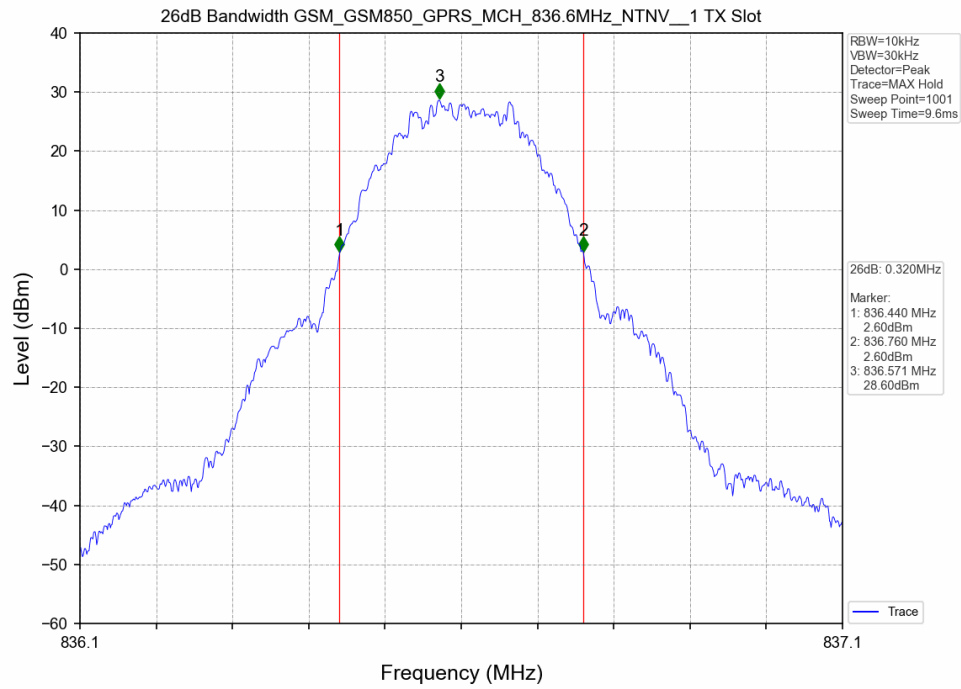
Test Band: GSM850					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.307	0.301	0.302	N/A	PASS
GPRS	0.319	0.320	0.323	N/A	PASS

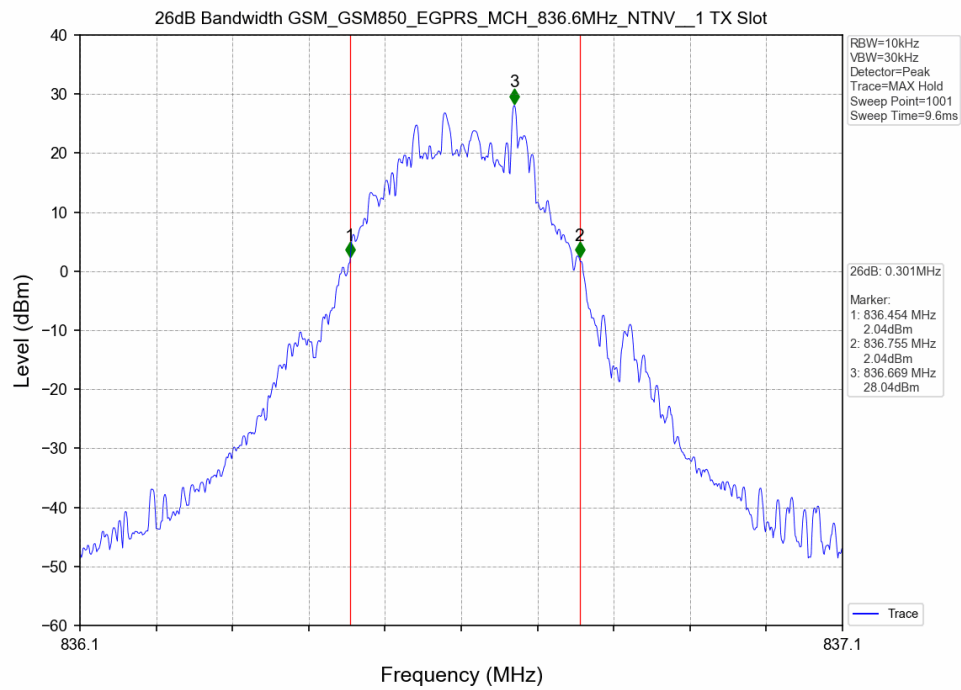
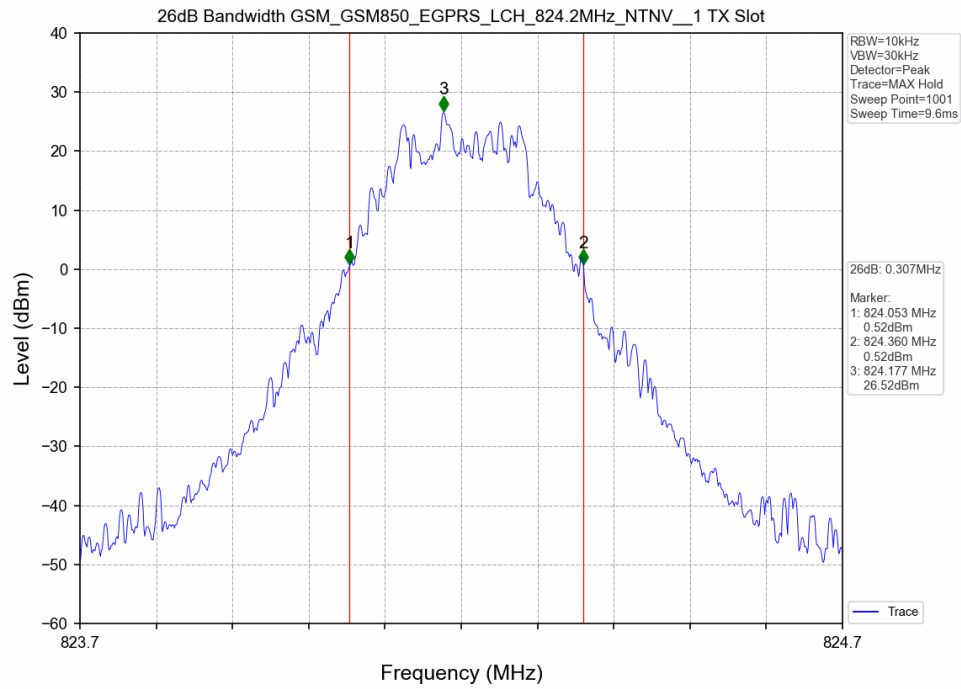
GSM	0.317	0.319	0.317	N/A	PASS
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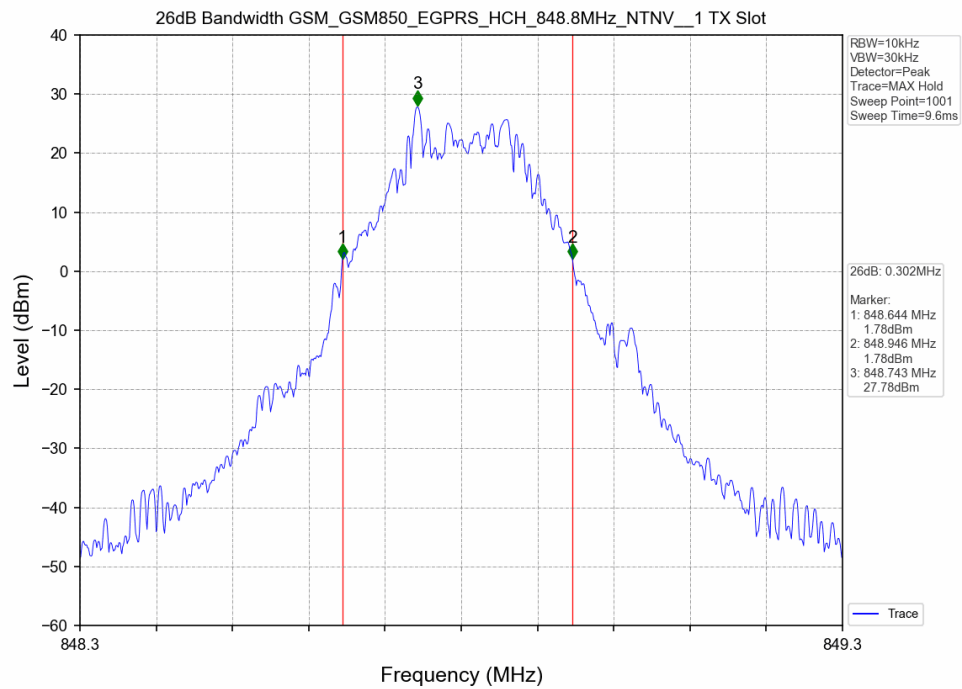
4.2 Test Graph





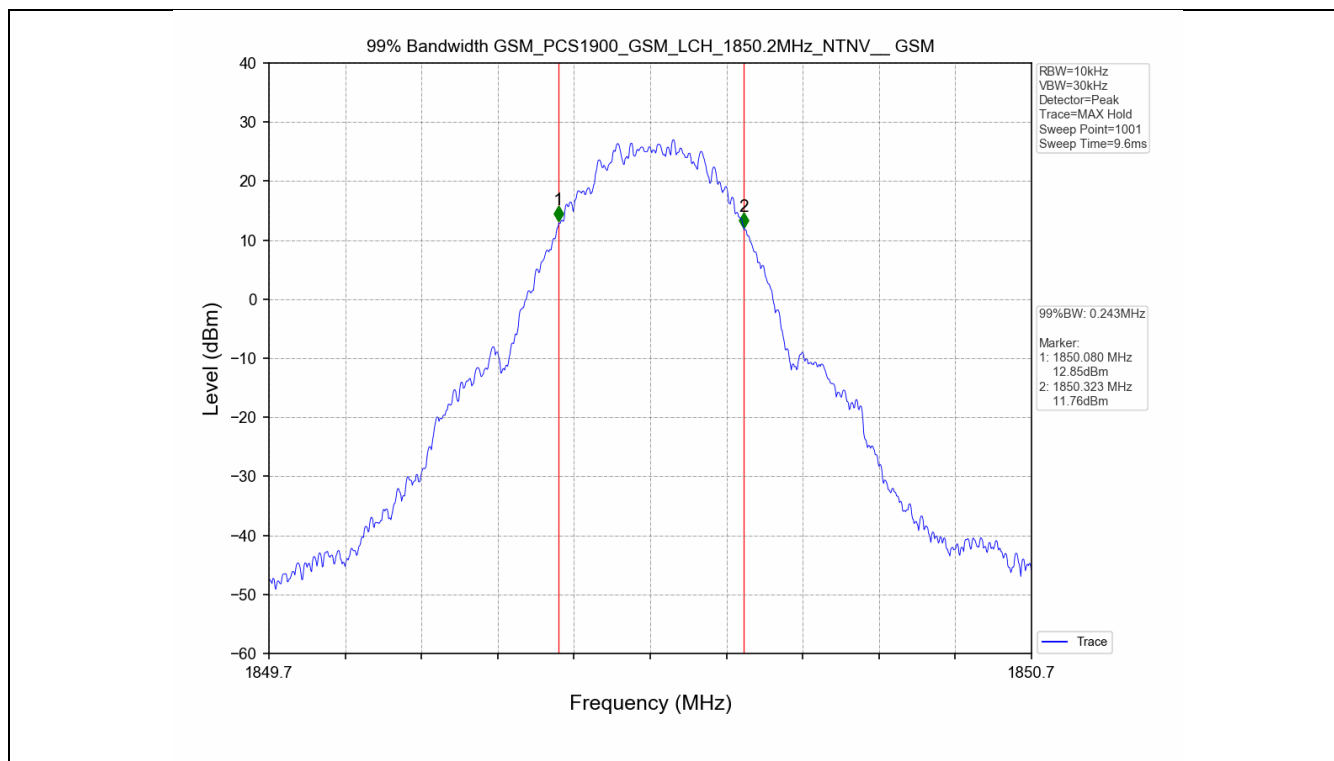


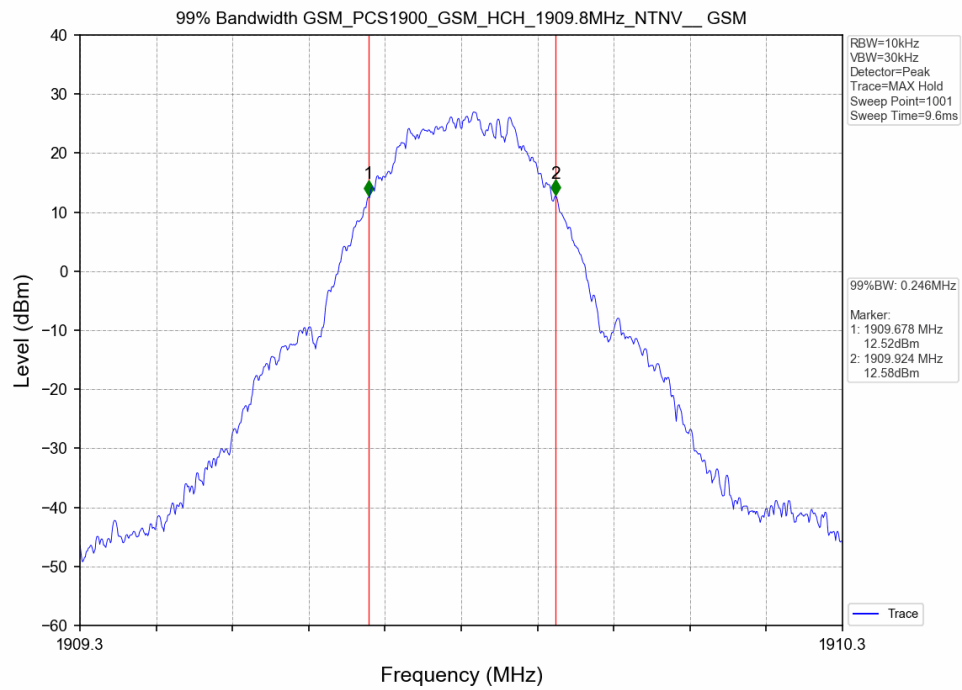
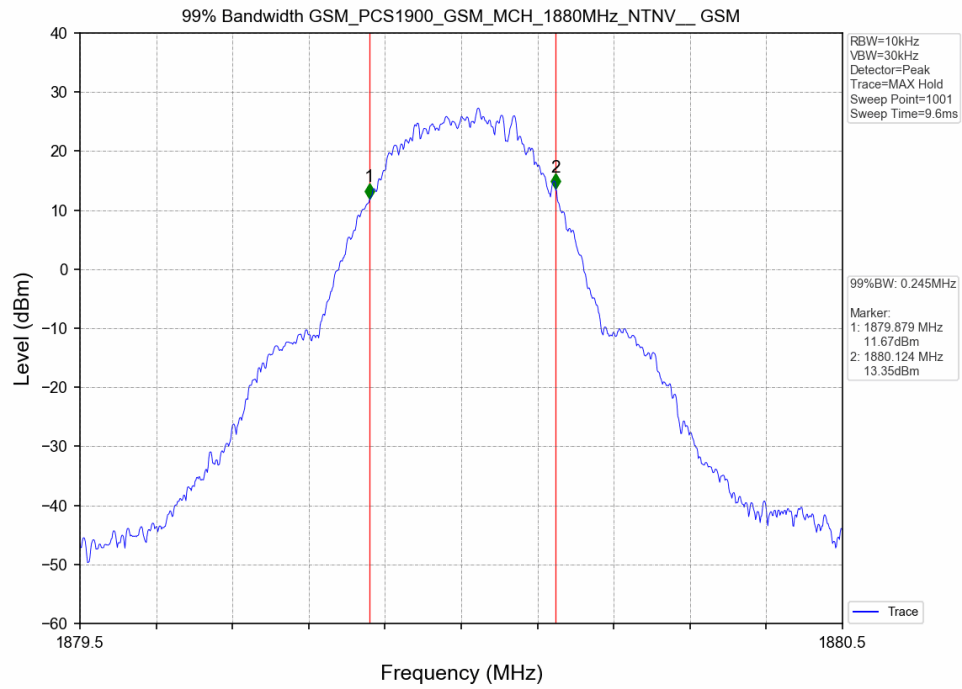


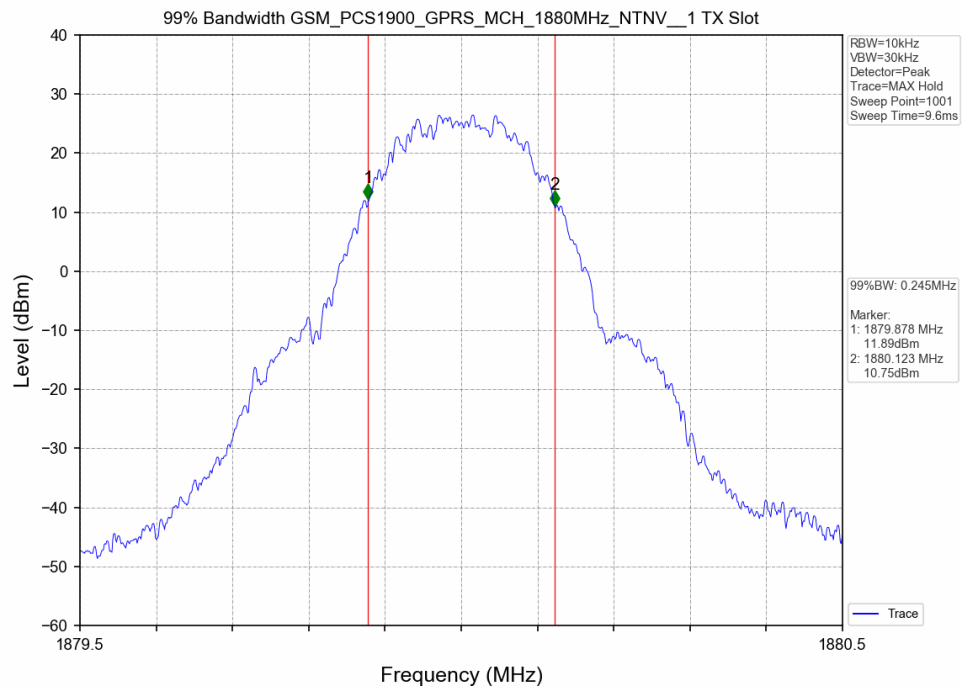
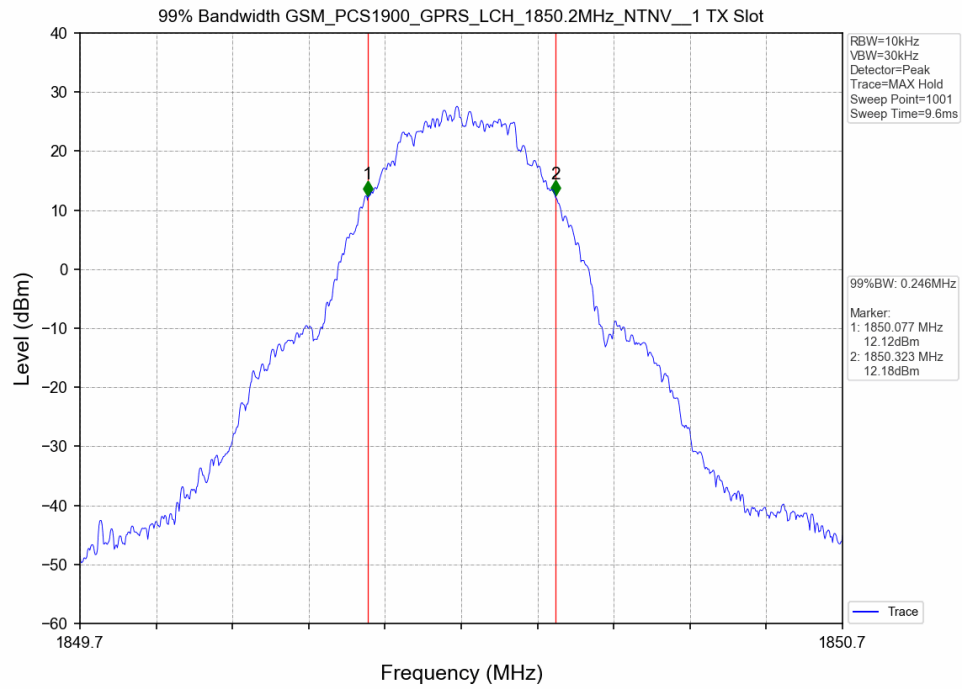


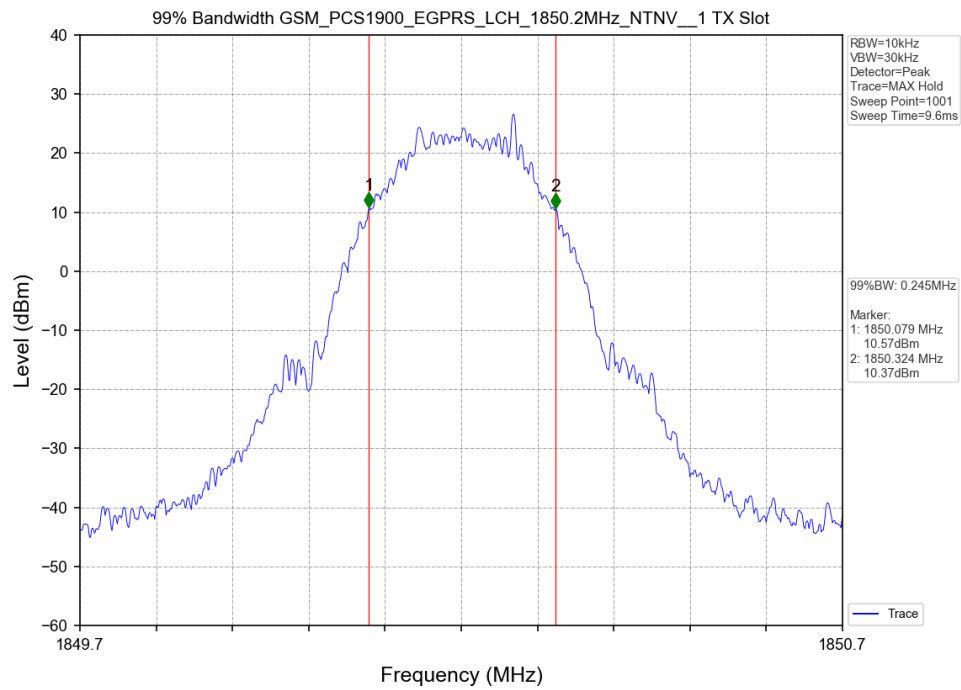
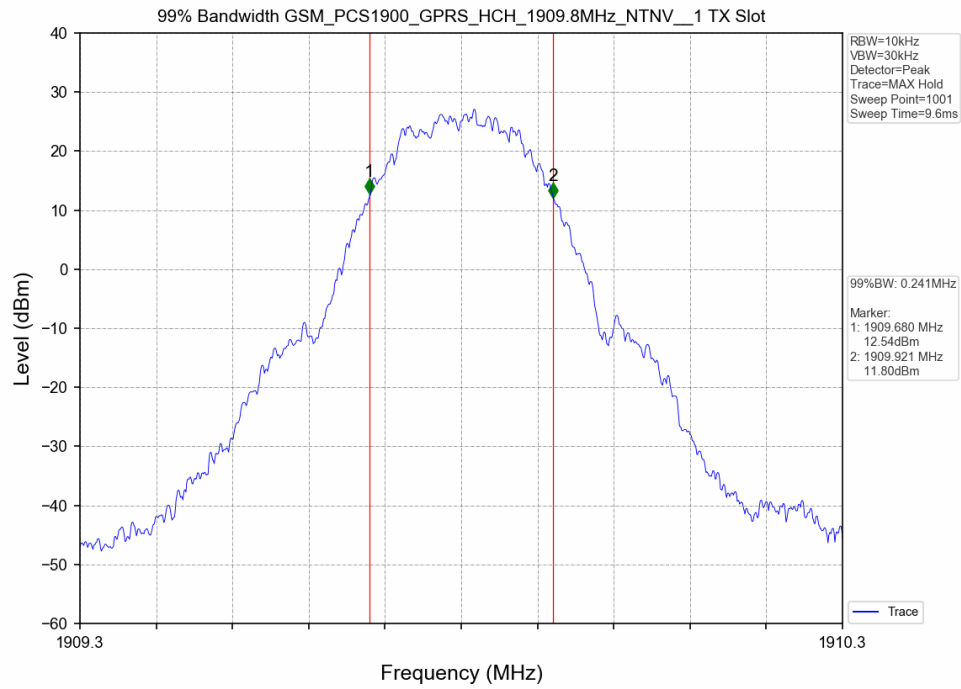
Test Band: PCS1900					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.245	0.245	0.243	N/A	PASS
GPRS	0.246	0.245	0.241	N/A	PASS
GSM	0.243	0.245	0.246	N/A	PASS

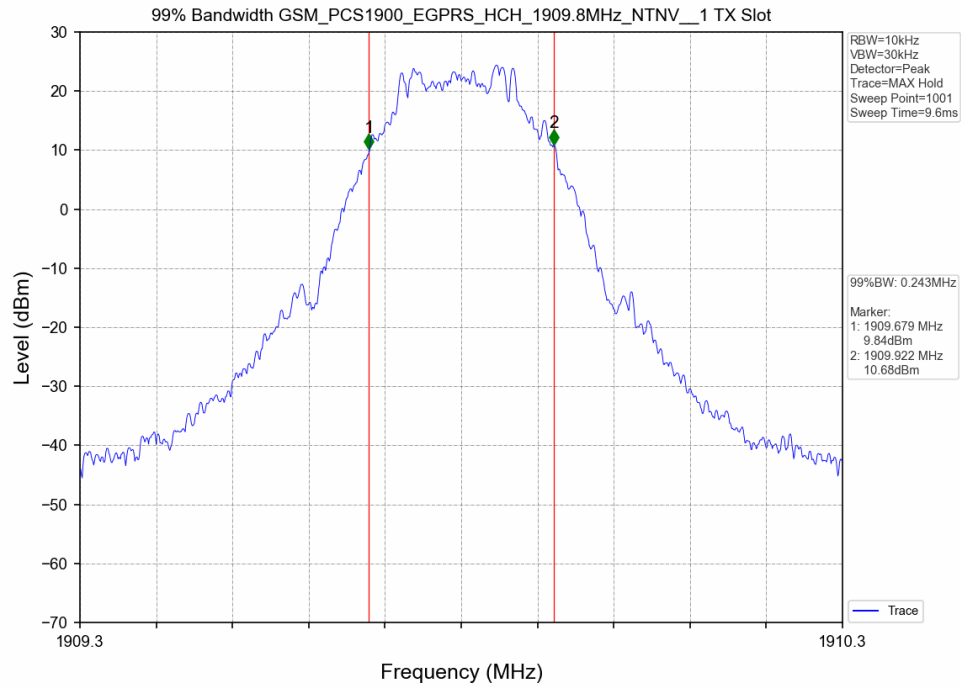
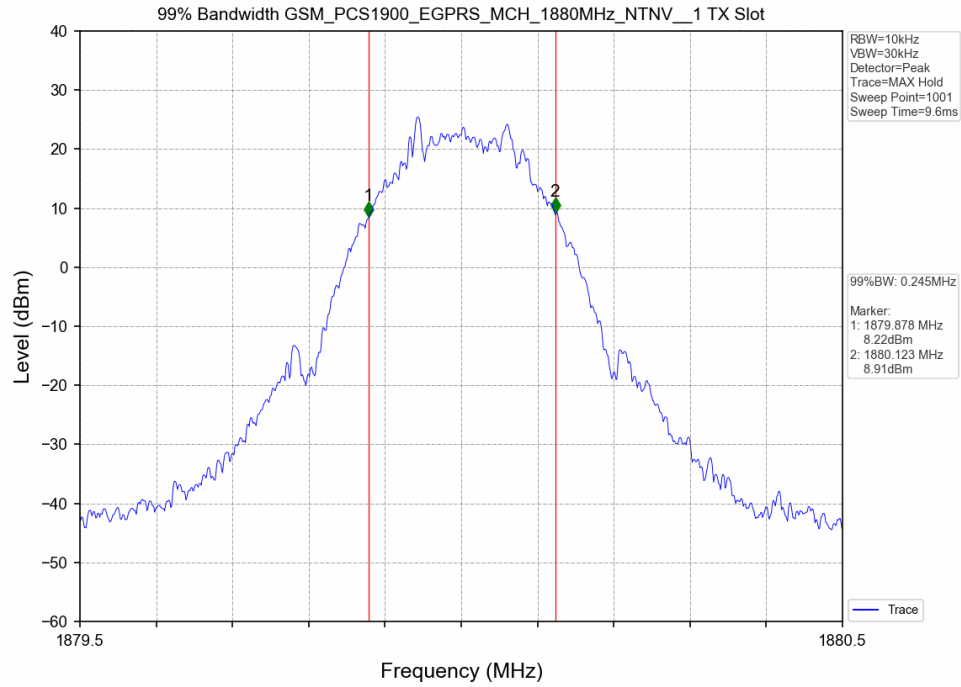
4.2 Test Graph







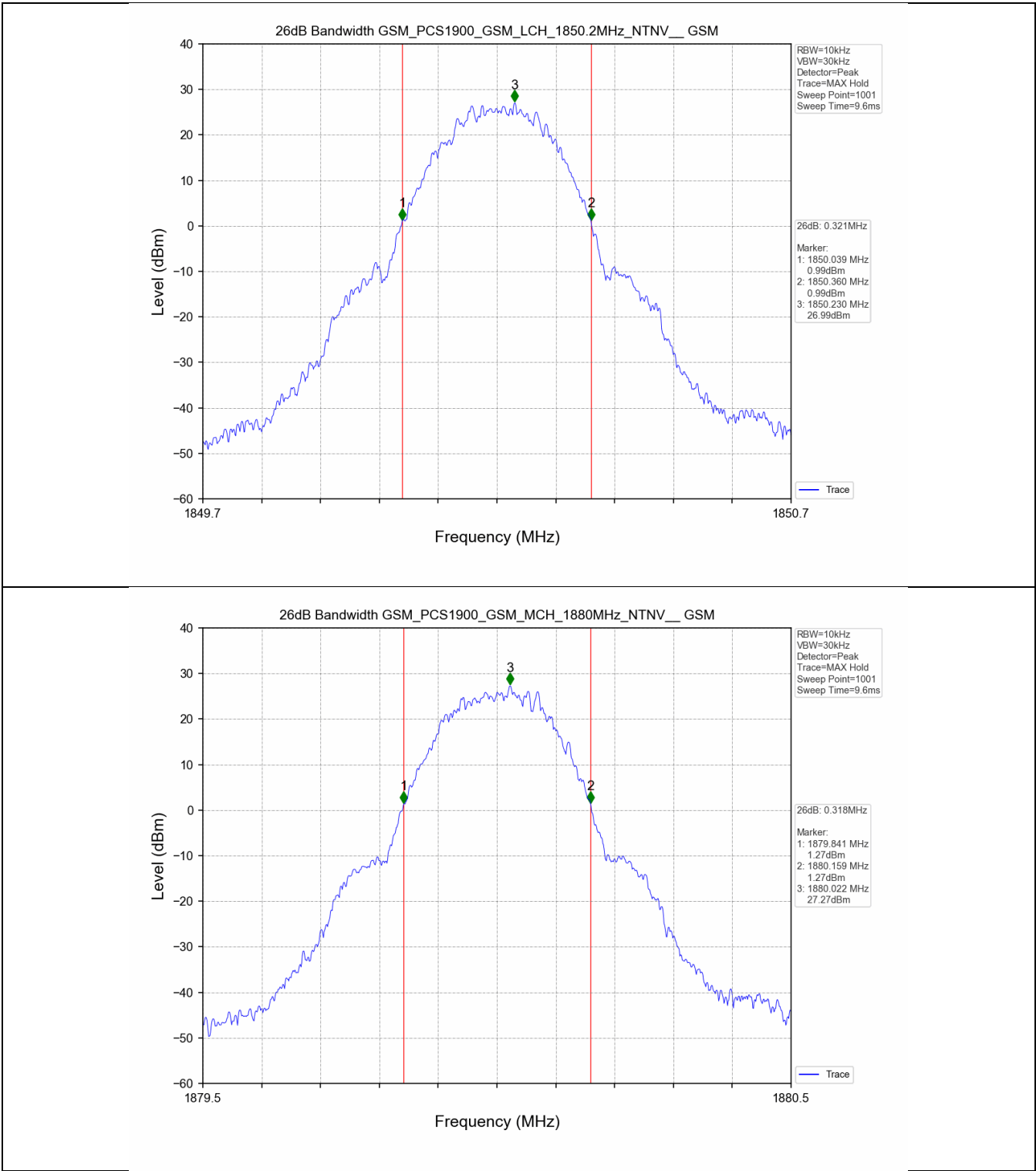


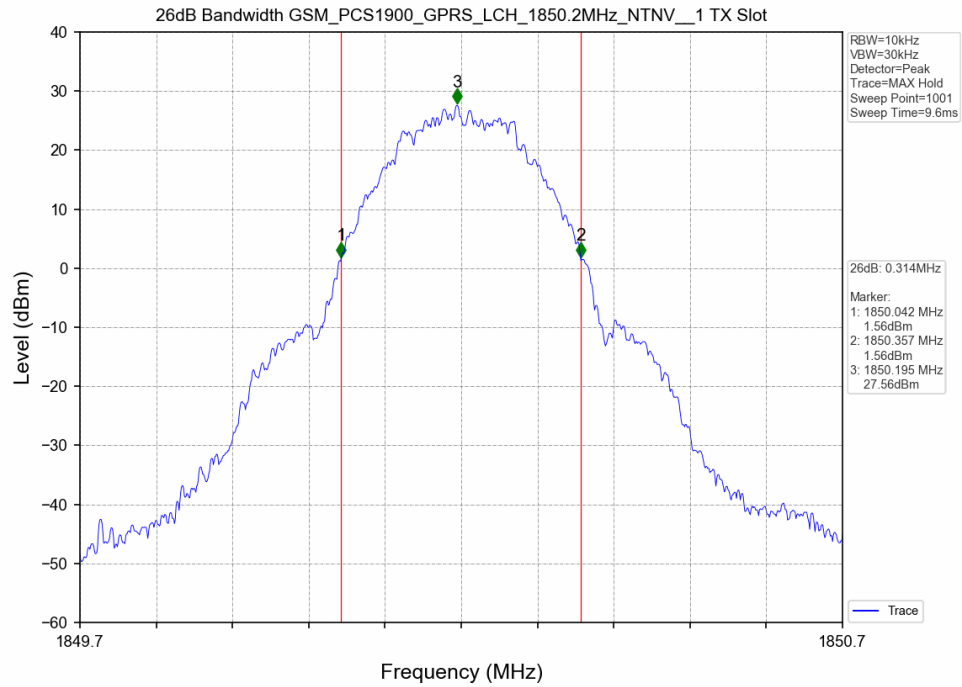
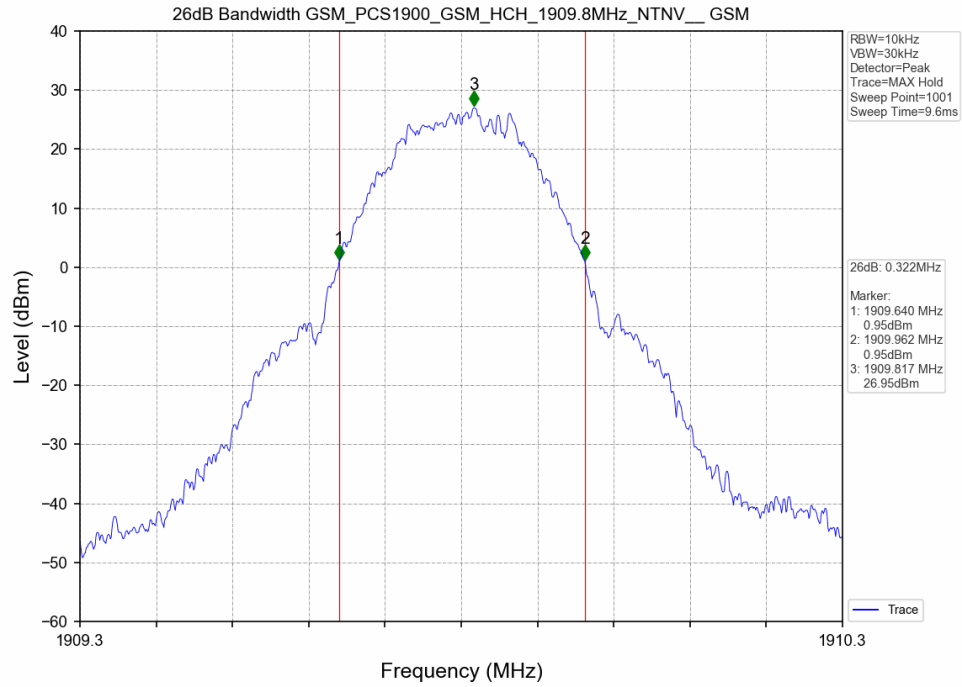


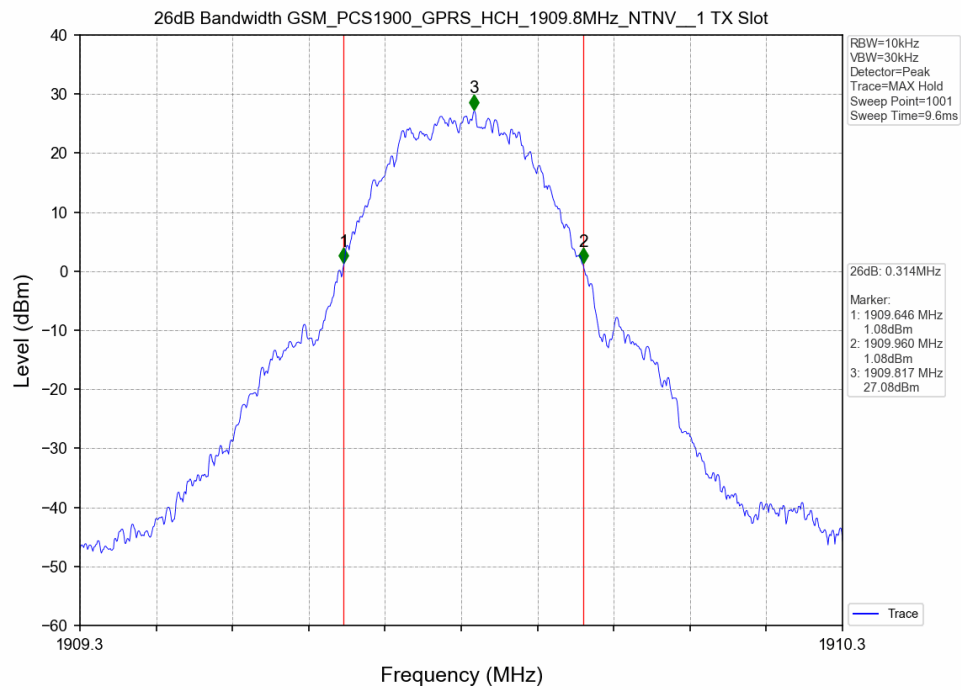
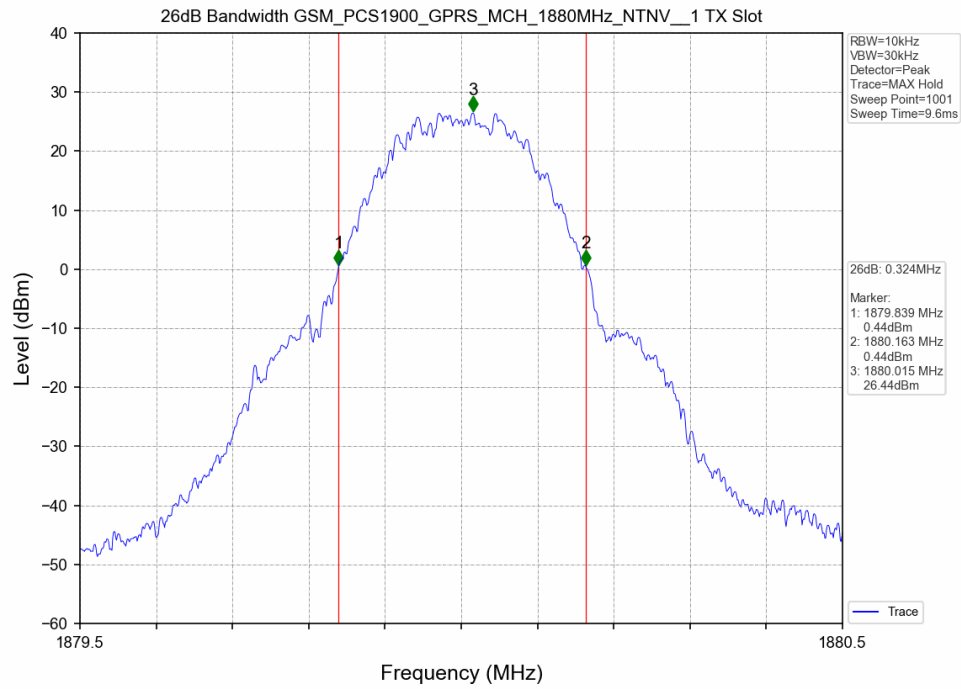
Test Band: PCS1900					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.312	0.311	0.321	N/A	PASS
GPRS	0.314	0.324	0.314	N/A	PASS

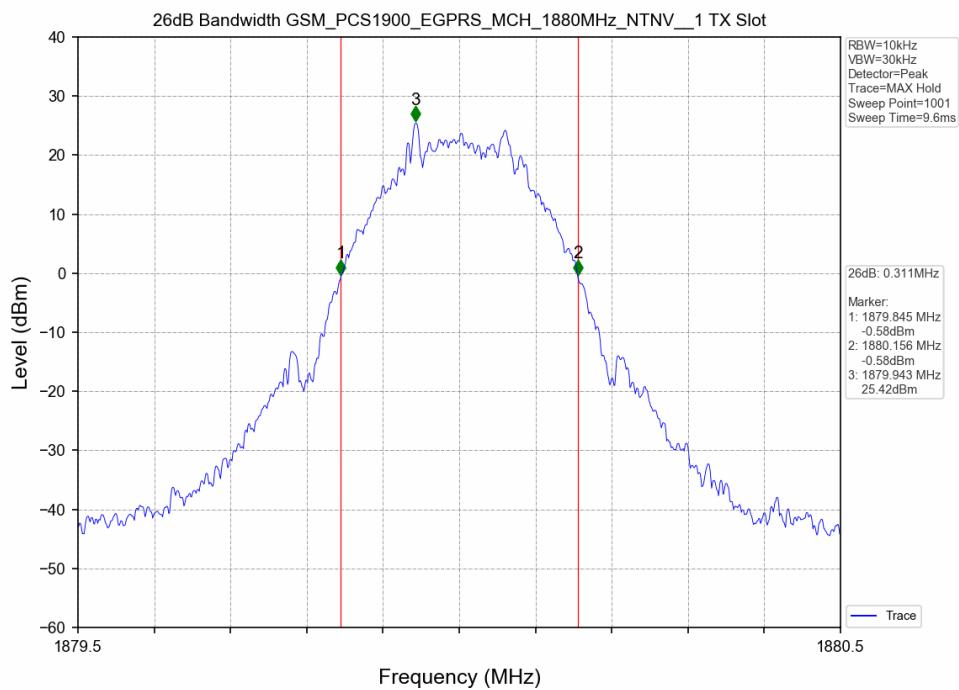
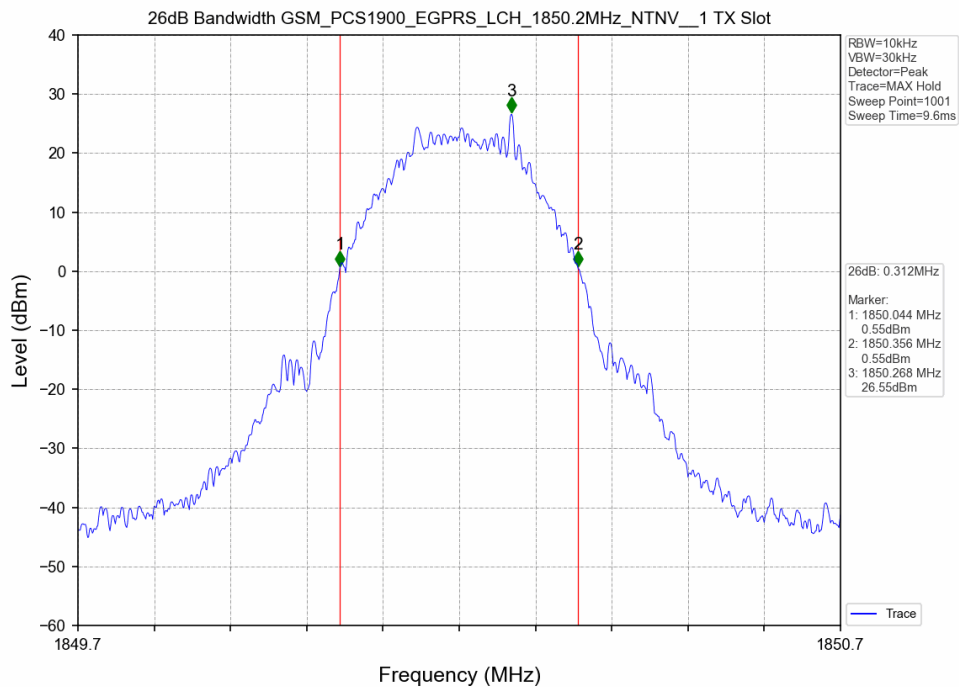
GSM	0.321	0.318	0.322	N/A	PASS
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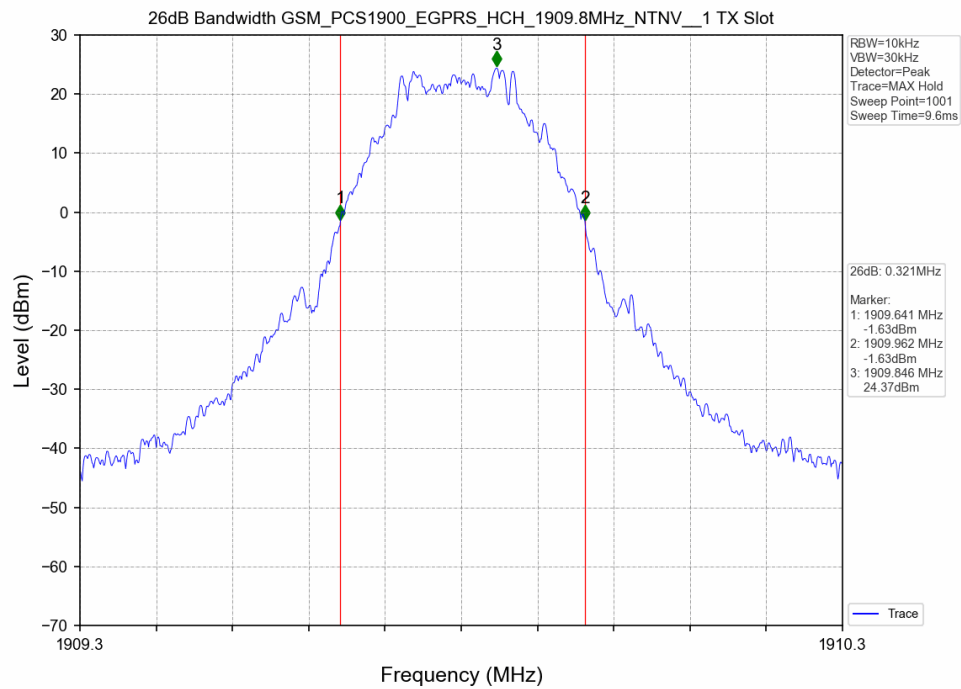
4.2 Test Graph









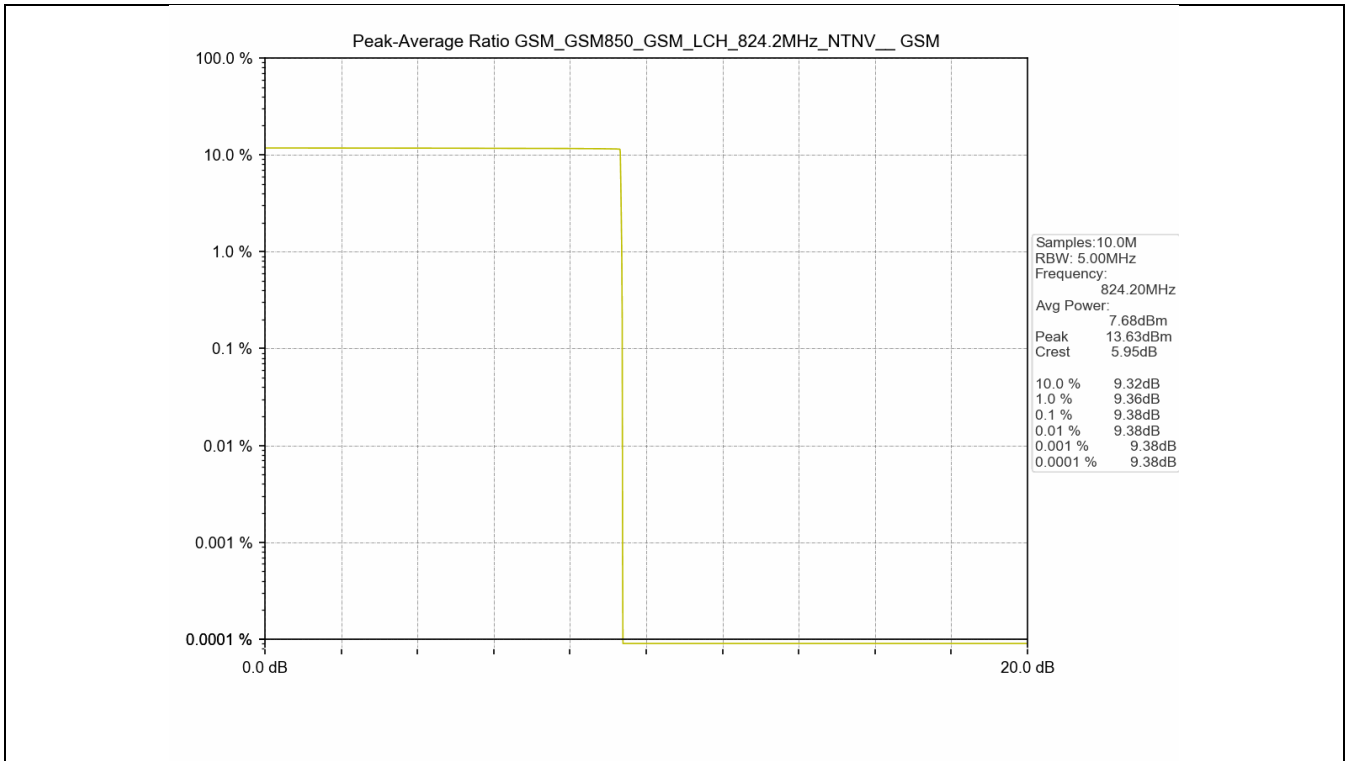


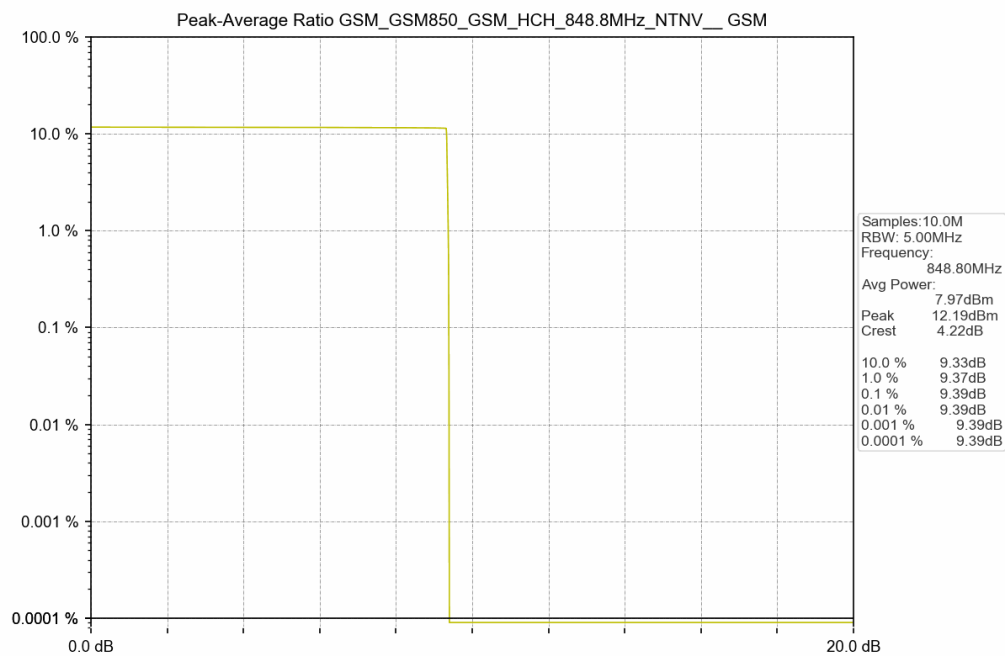
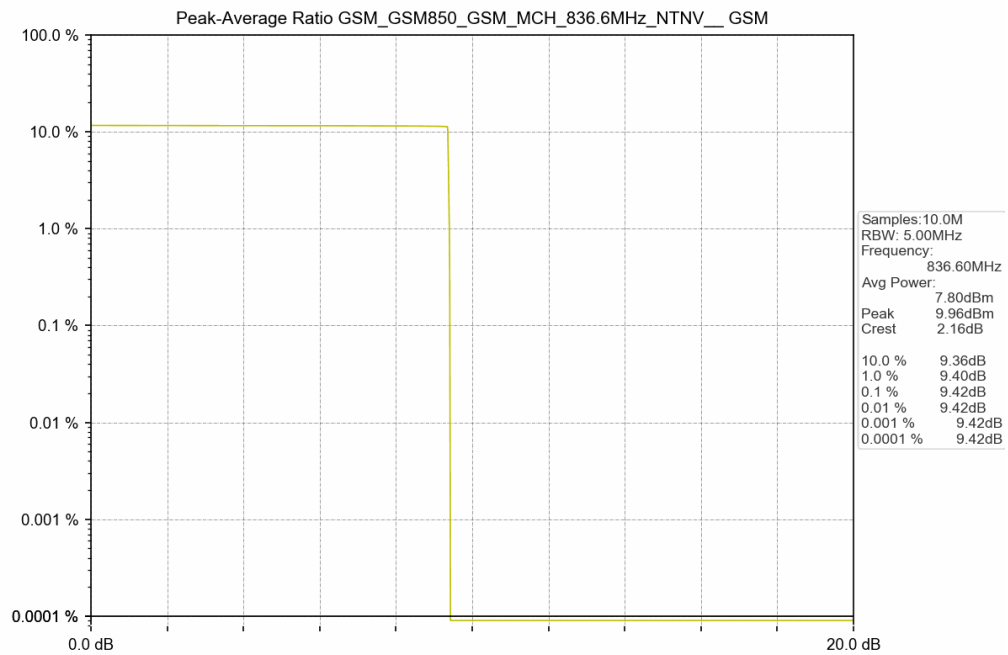
5. Peak-Average Ratio

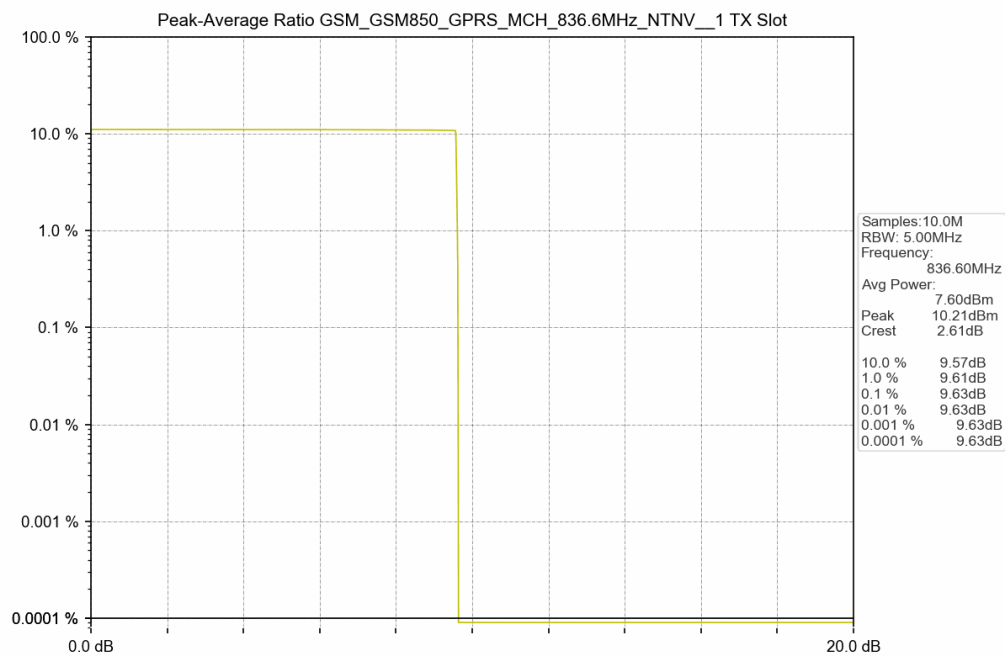
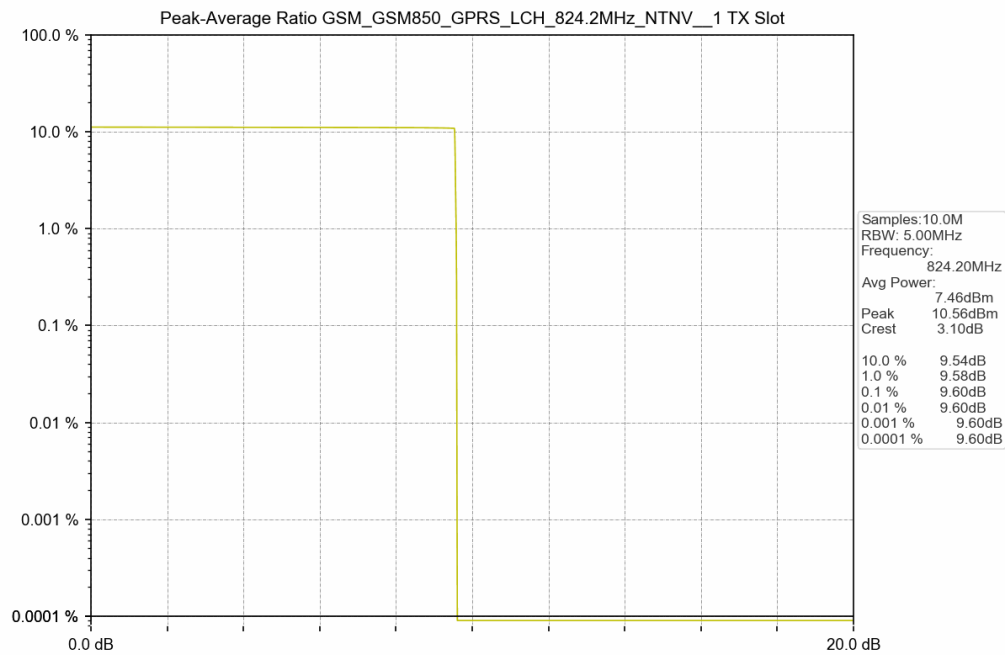
5.1 Test Result

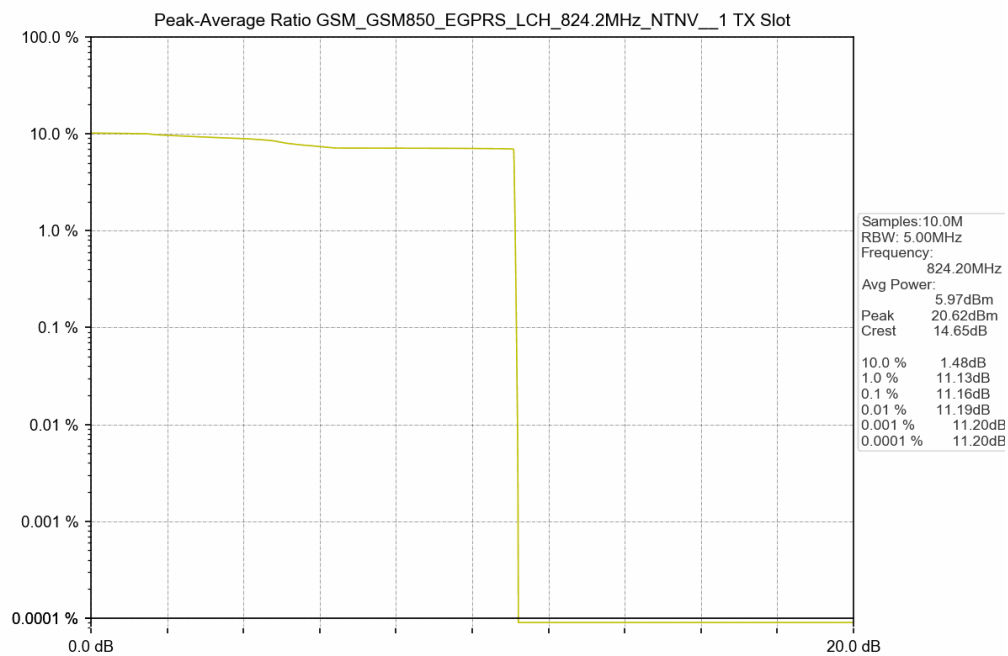
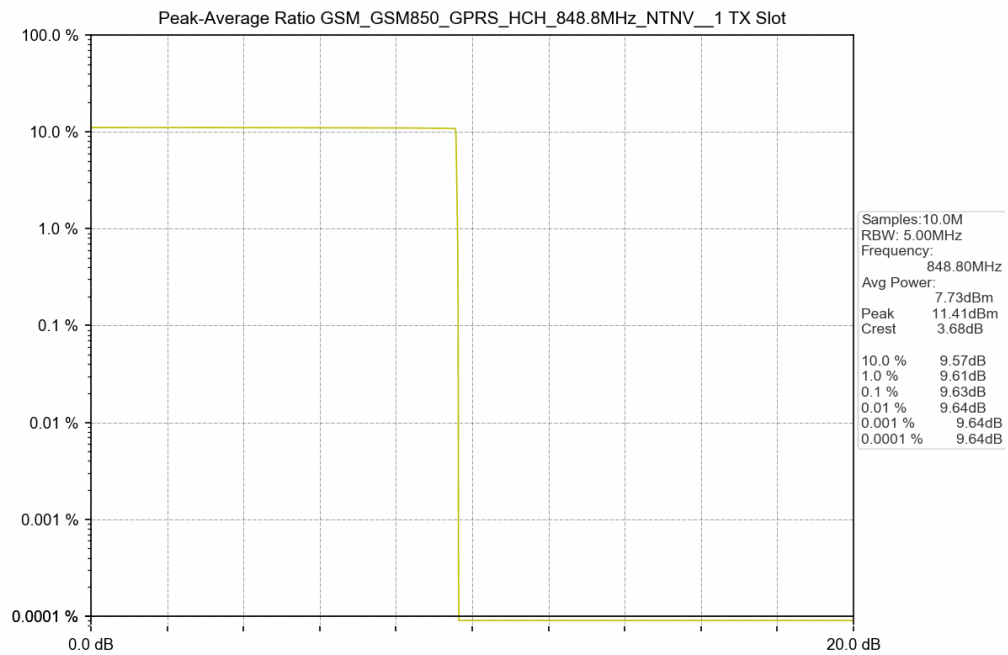
Test Band: GSM850					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
EGPRS	11.16	10.89	11.43	13	PASS
GPRS	9.60	9.63	9.63	13	PASS
GSM	9.38	9.42	9.39	13	PASS

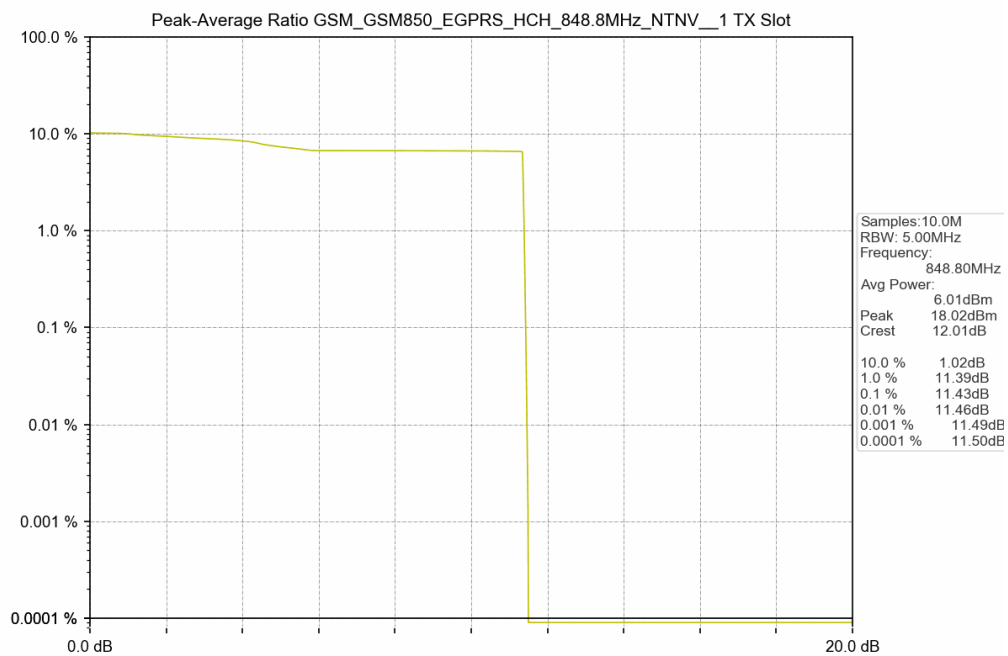
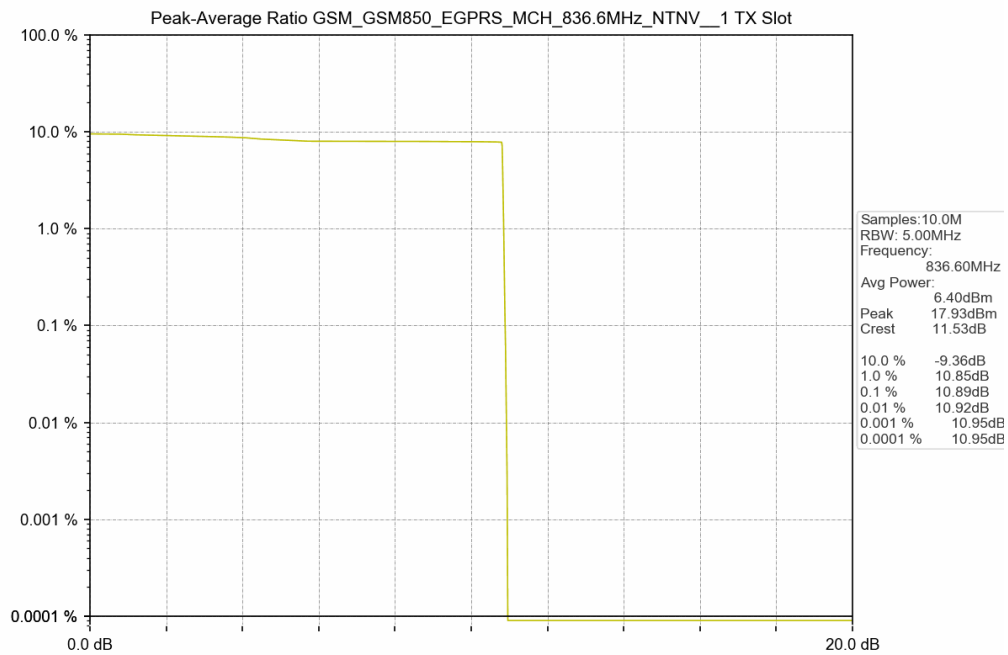
5.2 Test Graph





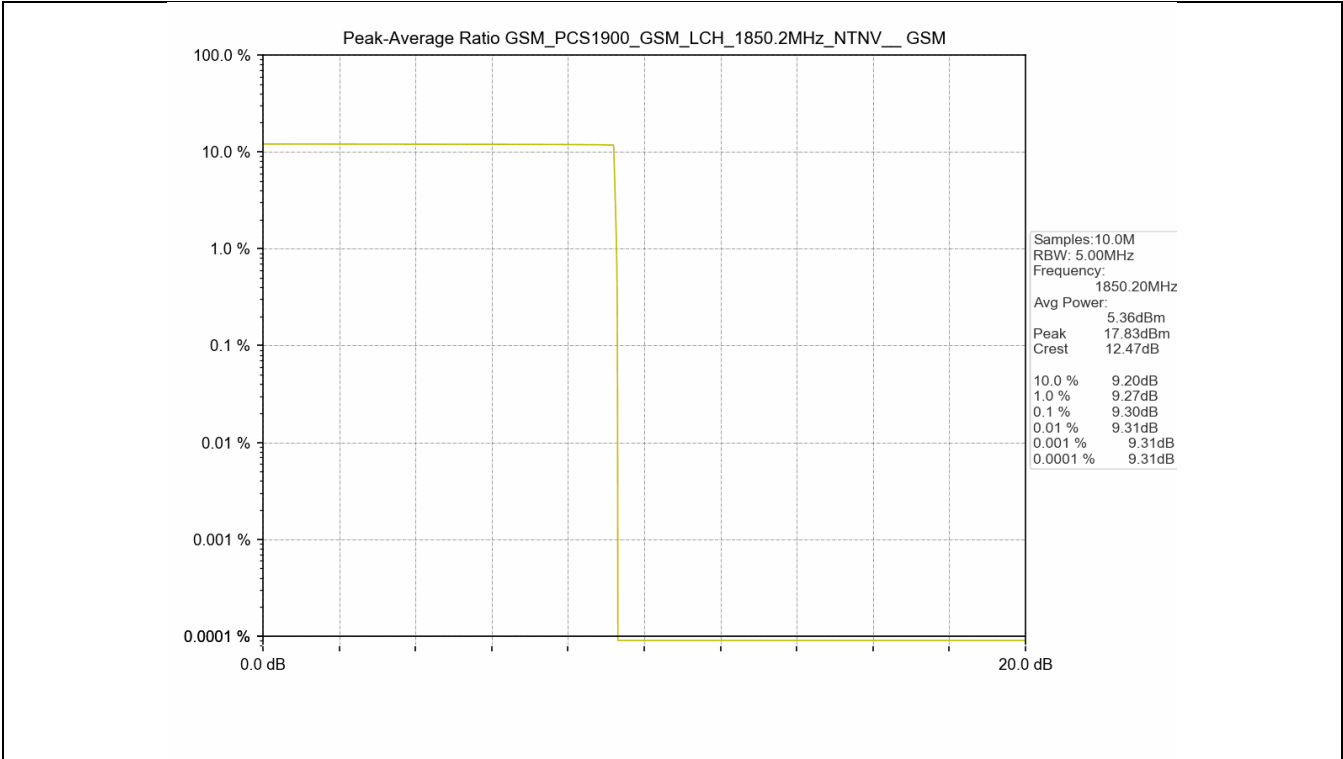


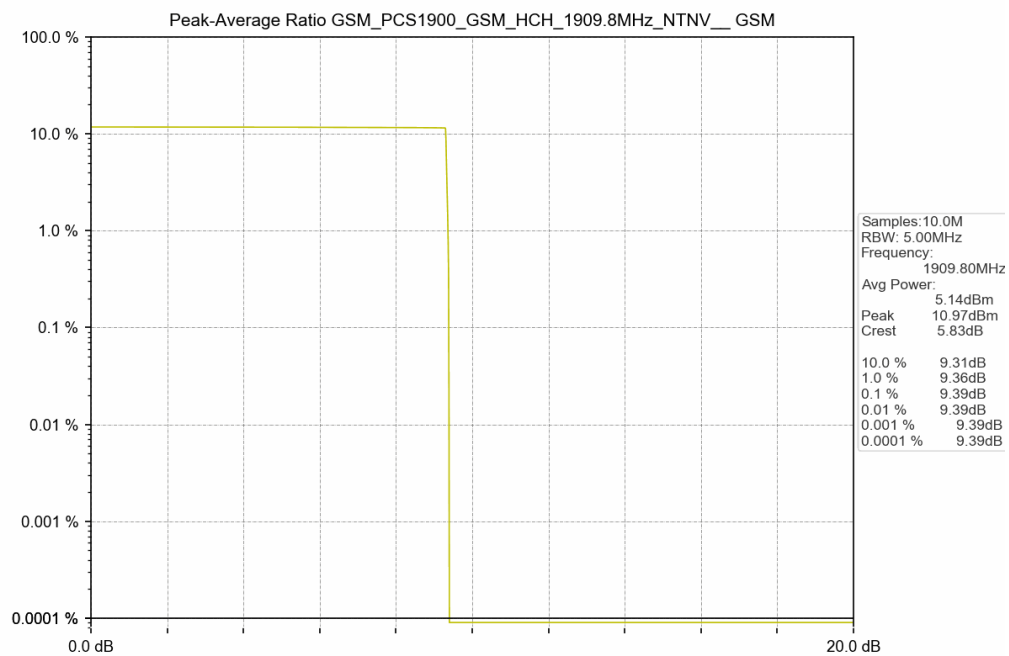
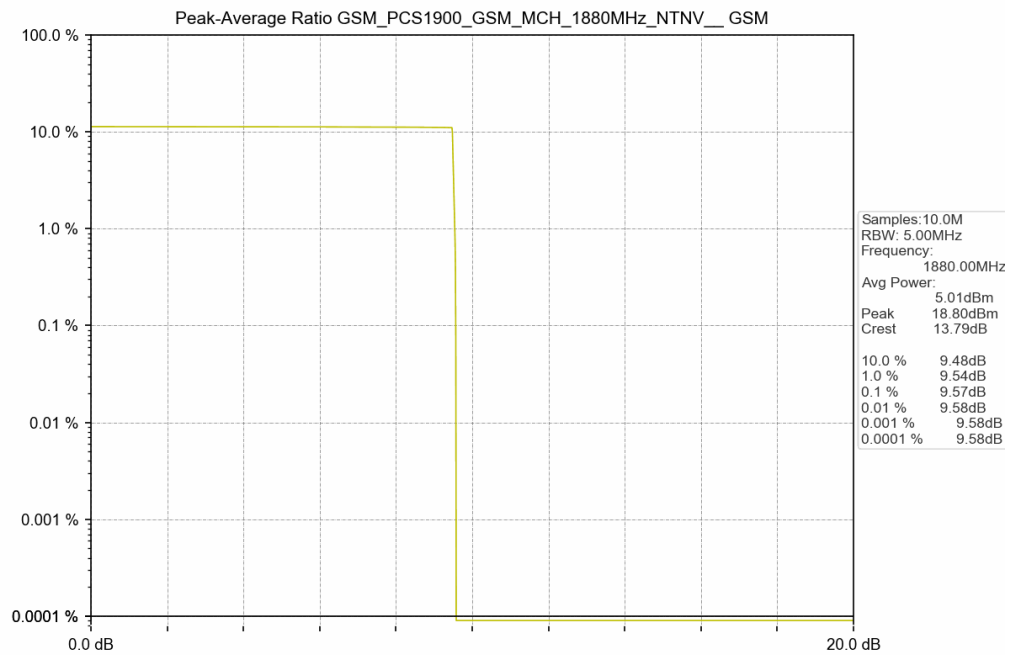


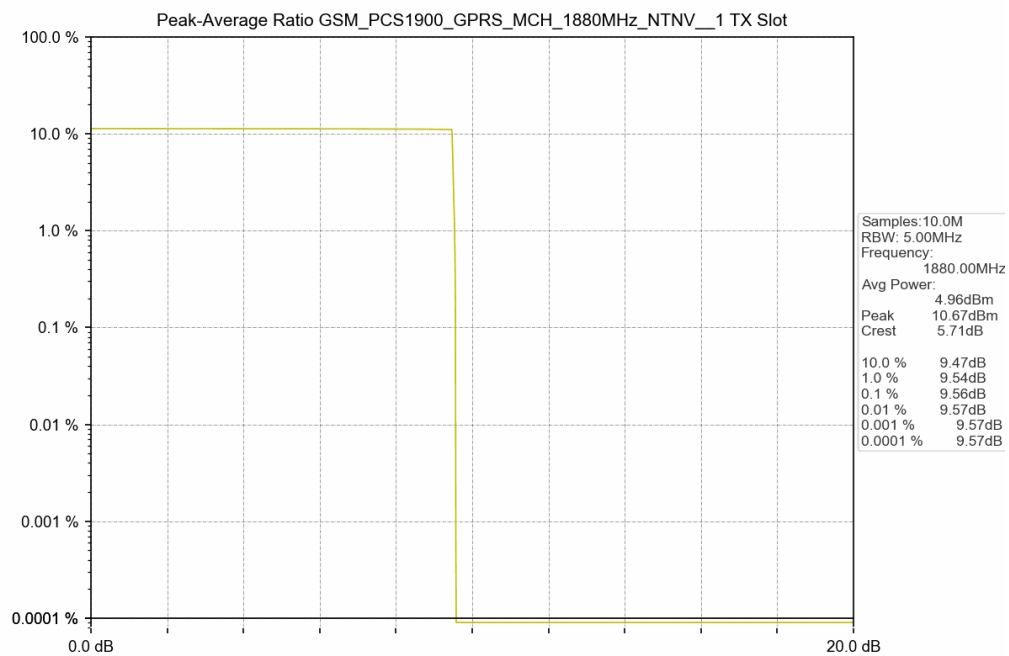
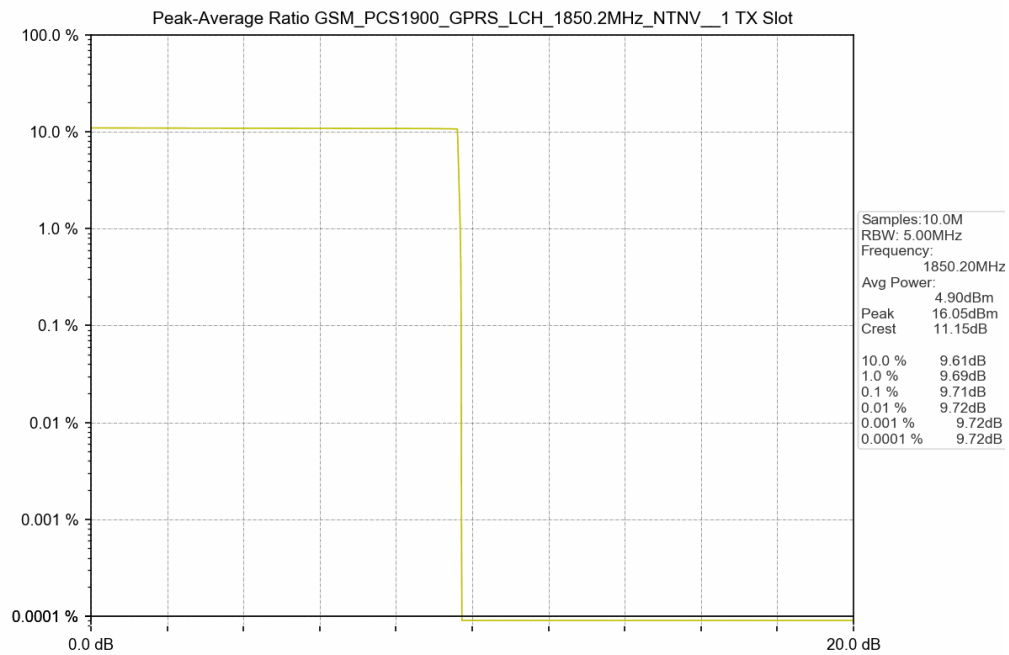


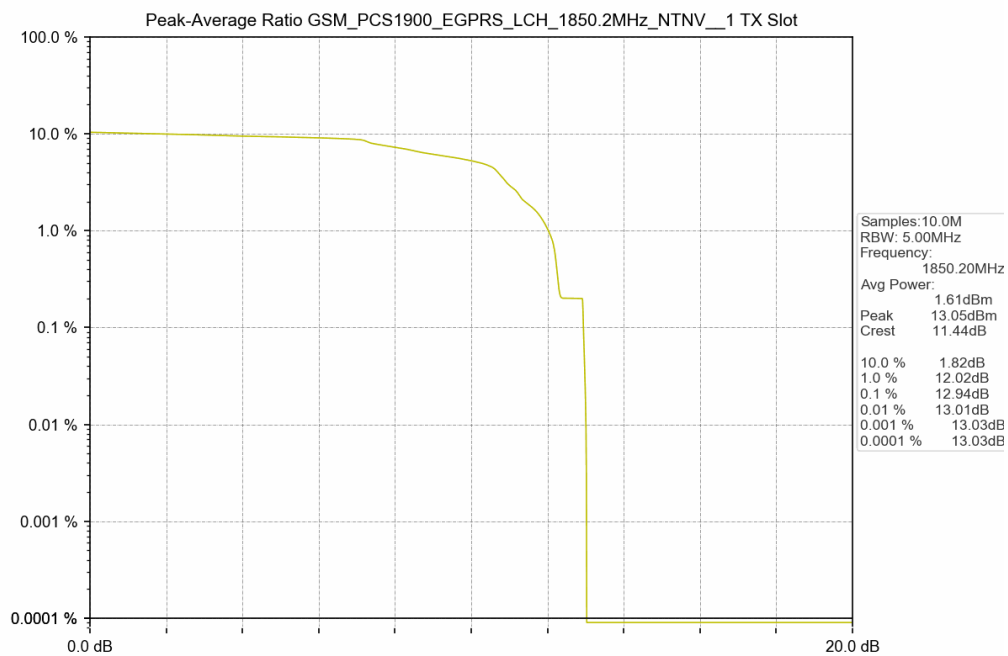
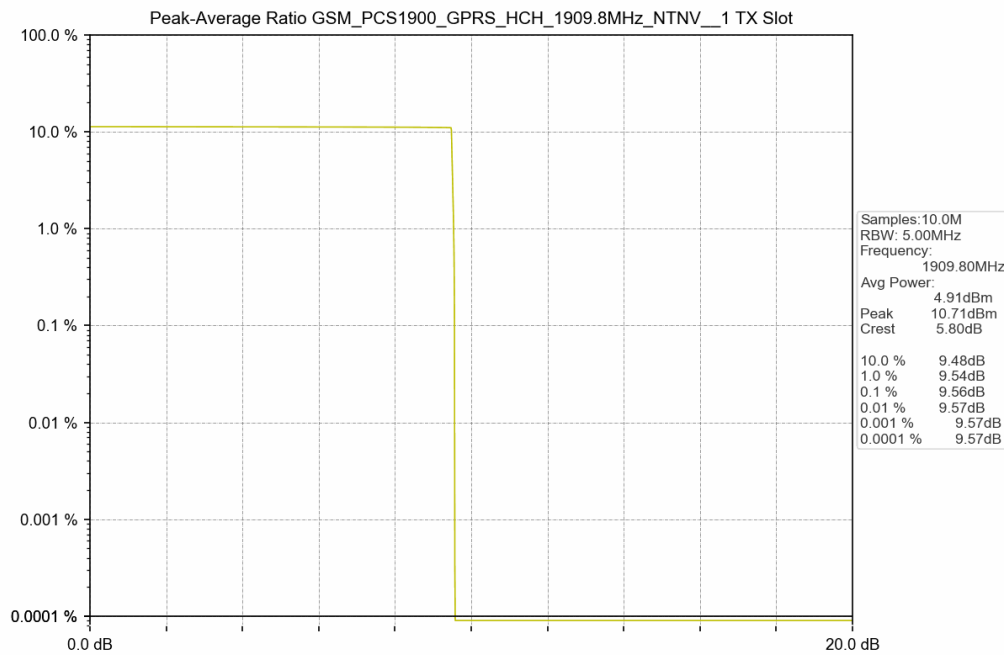
Test Band: PCS1900					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
EGPRS	12.94	12.79	12.10	13	PASS
GPRS	9.71	9.56	9.56	13	PASS
GSM	9.30	9.57	9.39	13	PASS

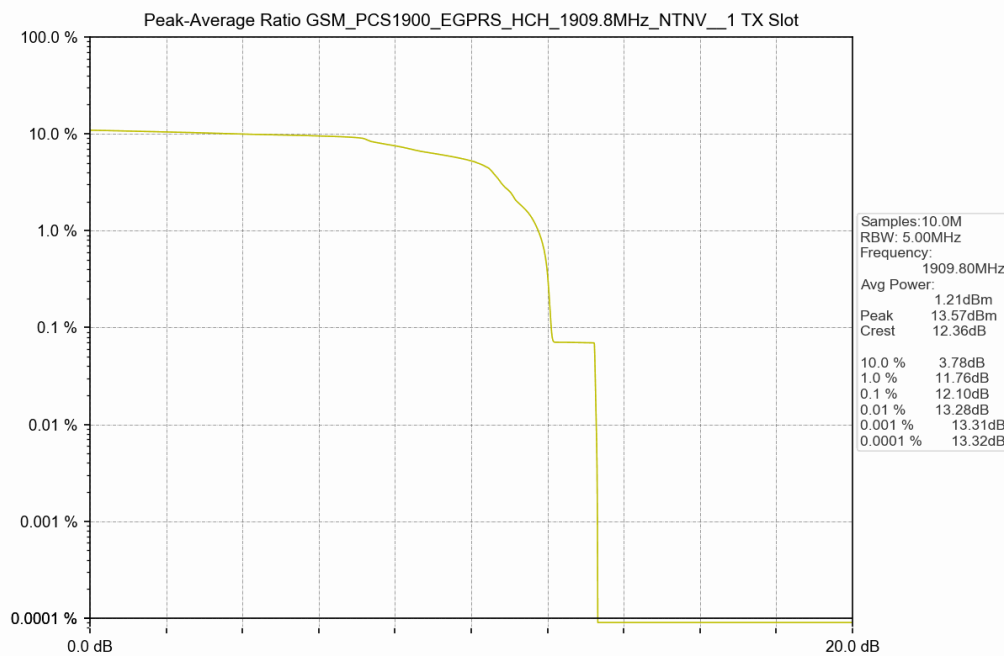
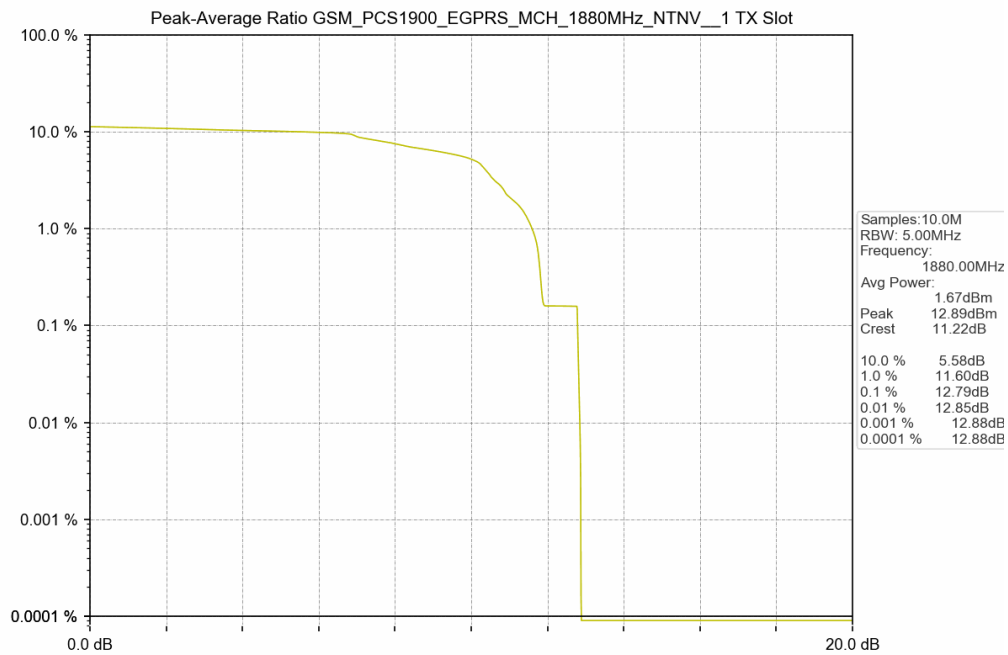
5.2 Test Graph











6. Spurious Emission

6.1 Test Graph

