

1.1 Test Result

Test Band: GSM850											
Test Mode		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
		LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
GSM	GSM	34.10	34.42	34.09	-1.85	0.3	32.25	32.57	32.24	38.45	PASS
EGPRS	1 TX Slot	33.15	33.13	28.96	-1.85	0.3	31.3	31.28	27.11	38.45	PASS
	2 TX Slots	26.52	31.34	31.38	-1.85	0.3	24.67	29.49	29.53	38.45	PASS
	3 TX Slots	29.46	29.52	25.07	-1.85	0.3	27.61	27.67	23.22	38.45	PASS
	4 TX Slots	23.16	27.53	23.15	-1.85	0.3	21.31	25.68	21.3	38.45	PASS
GPRS	1 TX Slot	33.14	33.10	32.99	-1.85	0.3	31.29	31.25	31.14	38.45	PASS
	2 TX Slots	31.31	31.34	31.37	-1.85	0.3	29.46	29.49	29.52	38.45	PASS
	3 TX Slots	29.47	29.52	29.54	-1.85	0.3	27.62	27.67	27.69	38.45	PASS
	4 TX Slots	27.45	27.53	27.61	-1.85	0.3	25.6	25.68	25.76	38.45	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd)											

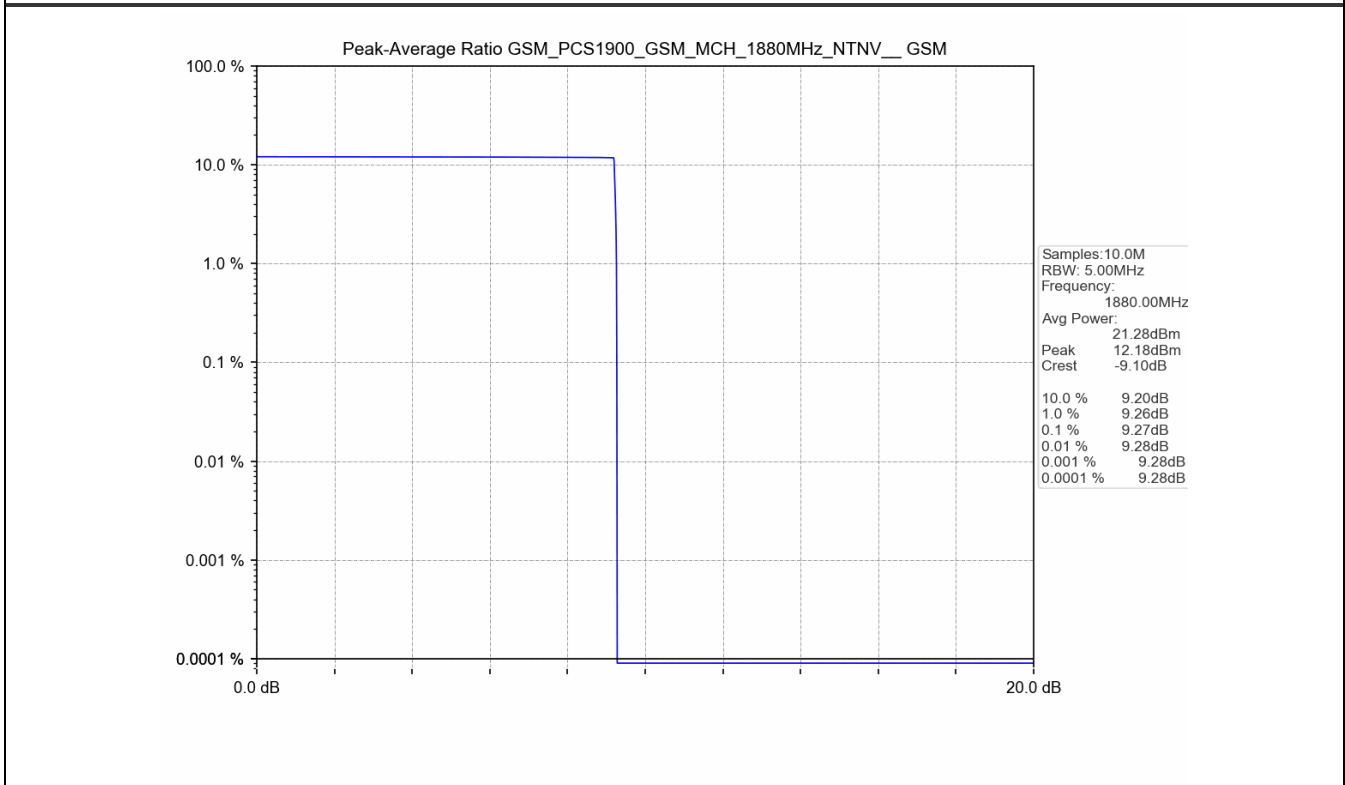
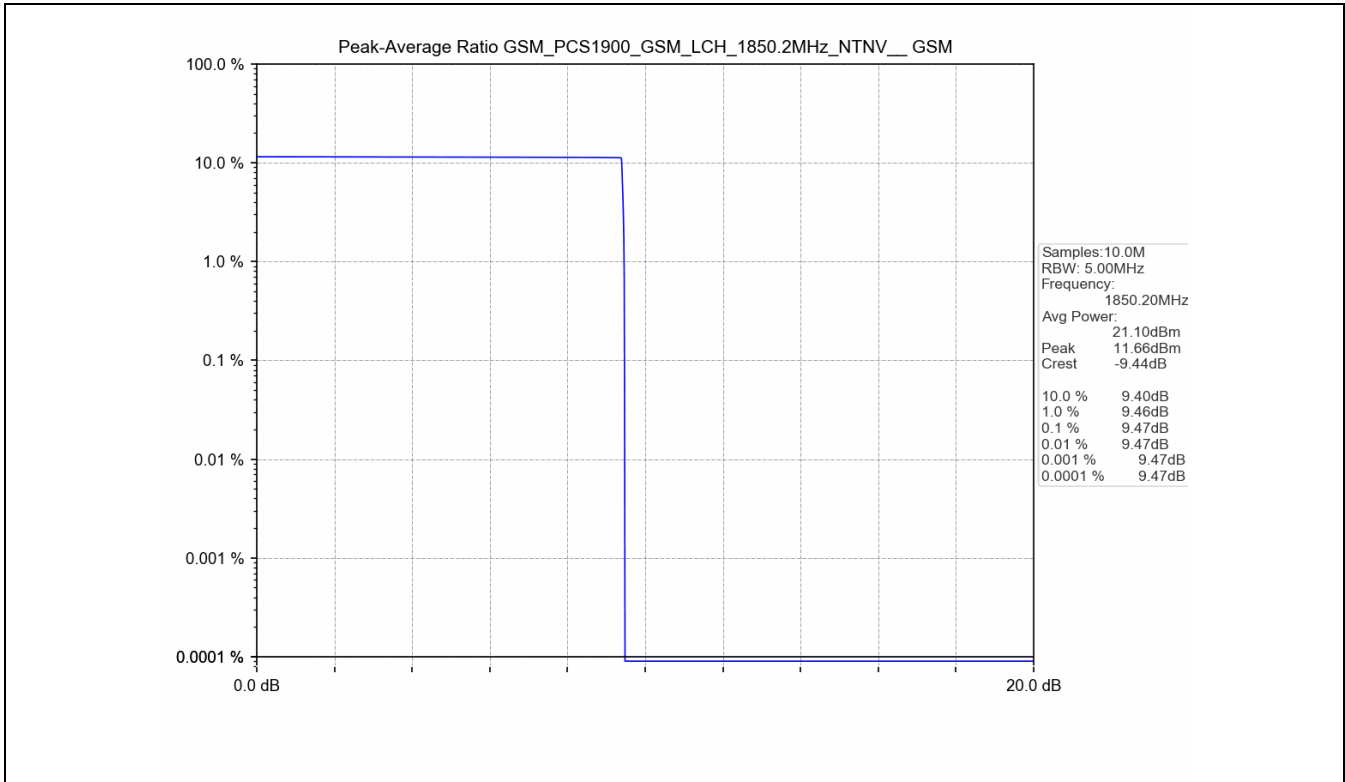
2. Peak-Average Ratio

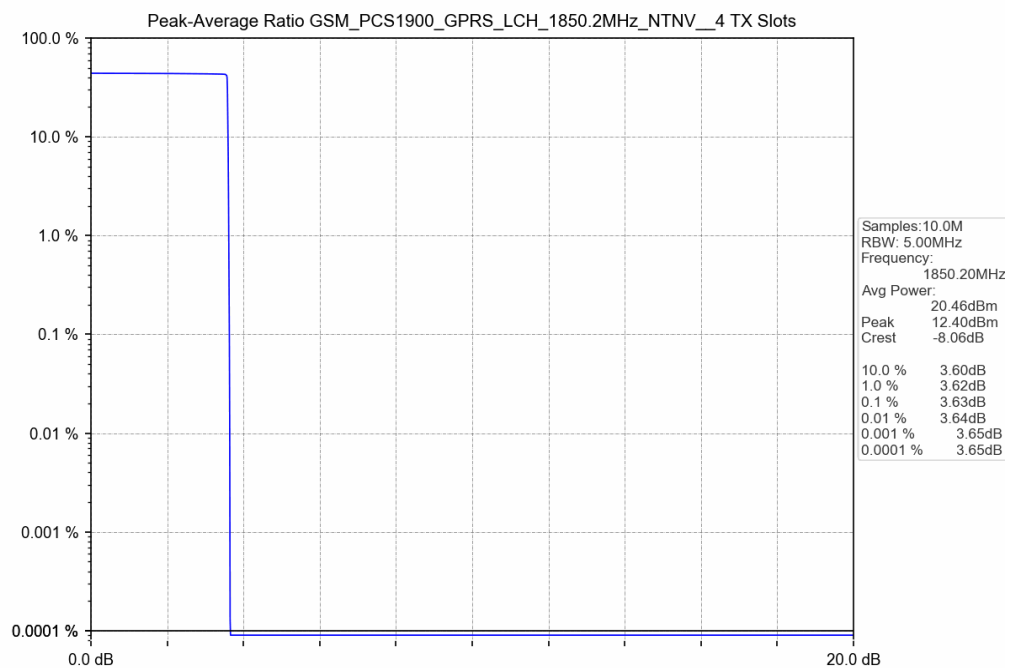
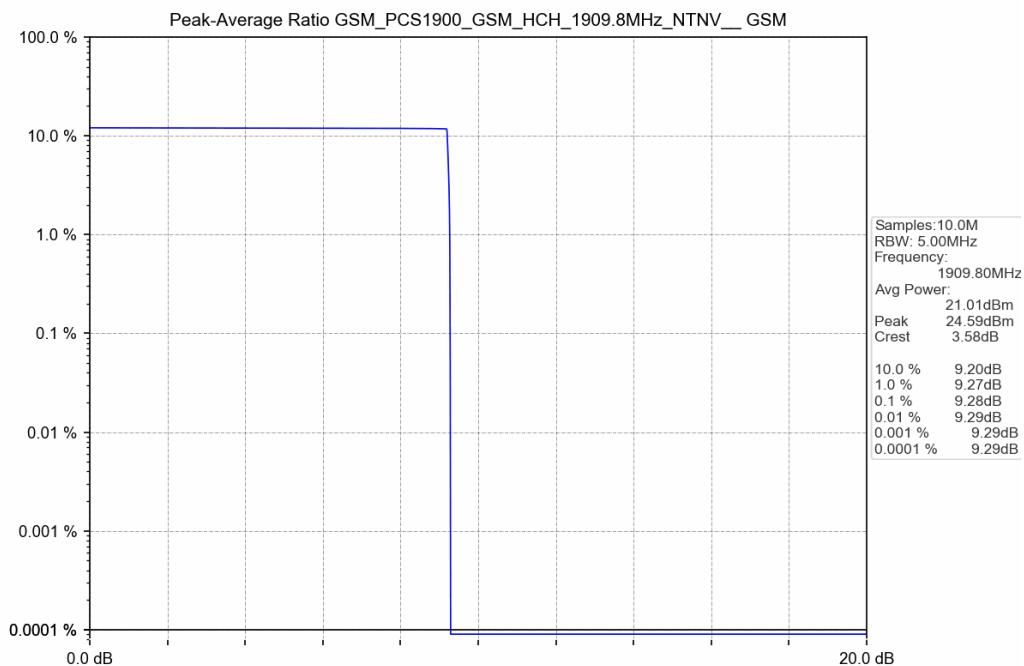
2.1 Test Result

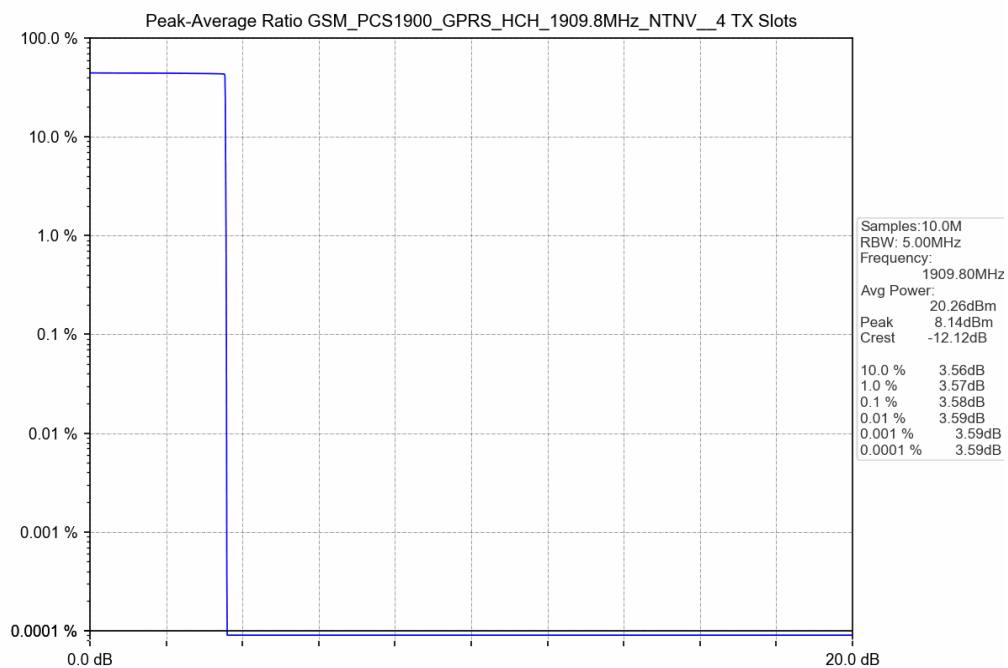
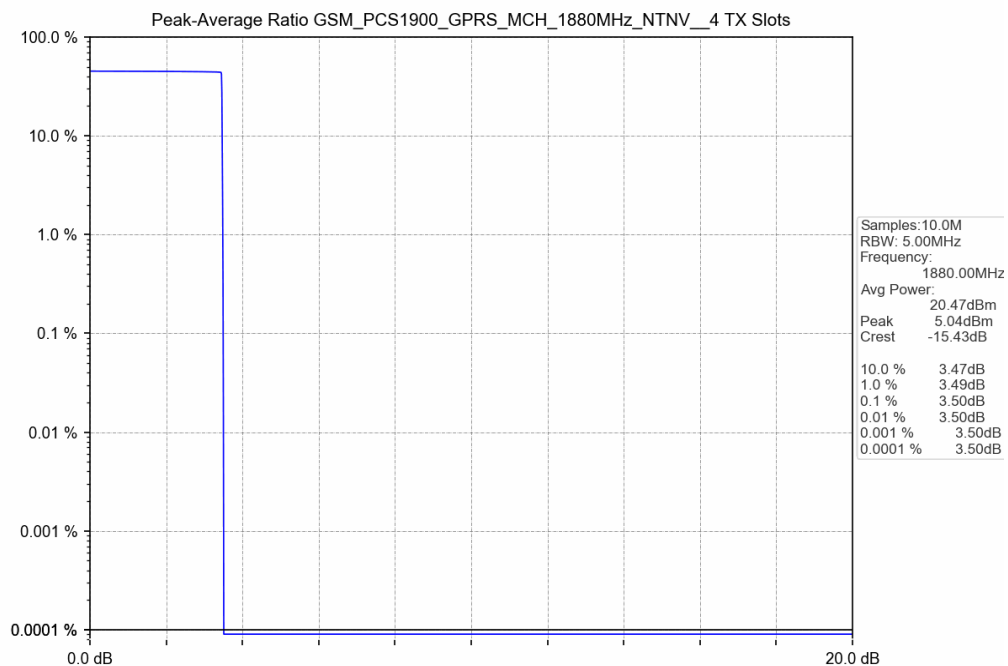
Test Band: PCS1900					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
GSM	9.47	9.27	9.28	13	PASS
EGPRS	3.54	3.50	3.49	13	PASS
GPRS	3.63	3.50	3.58	13	PASS

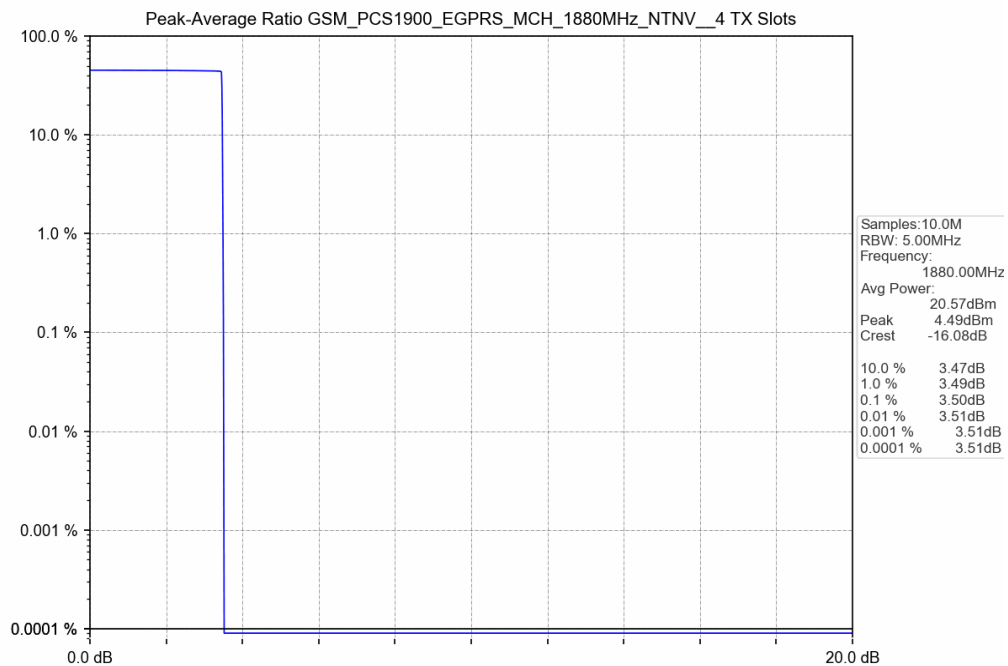
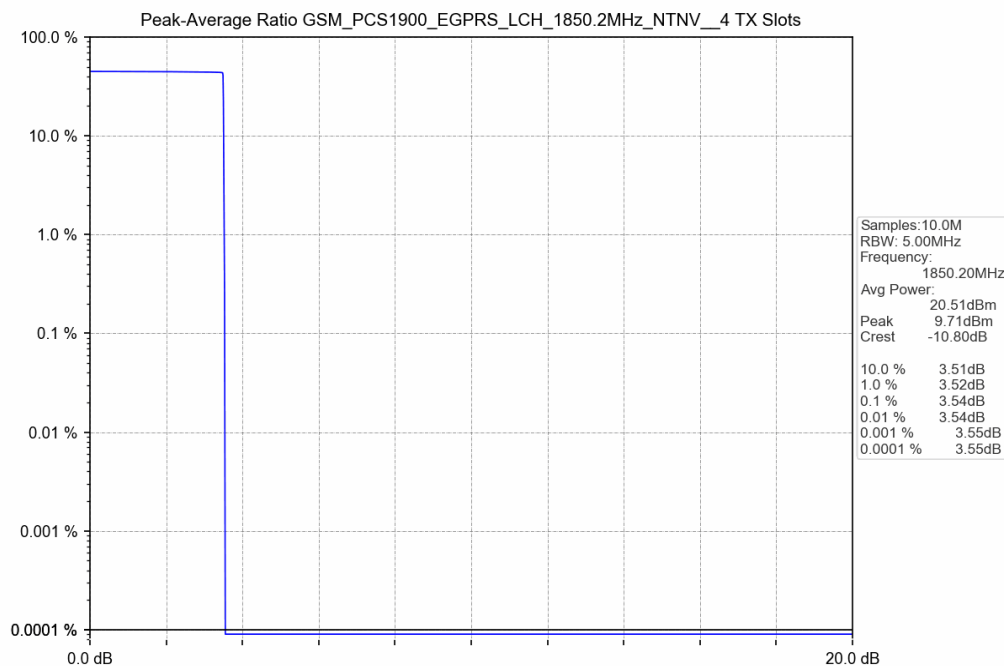
Test Band: GSM850					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
EGPRS	9.10	9.10	9.52	13	PASS
GPRS	3.48	3.48	3.55	13	PASS

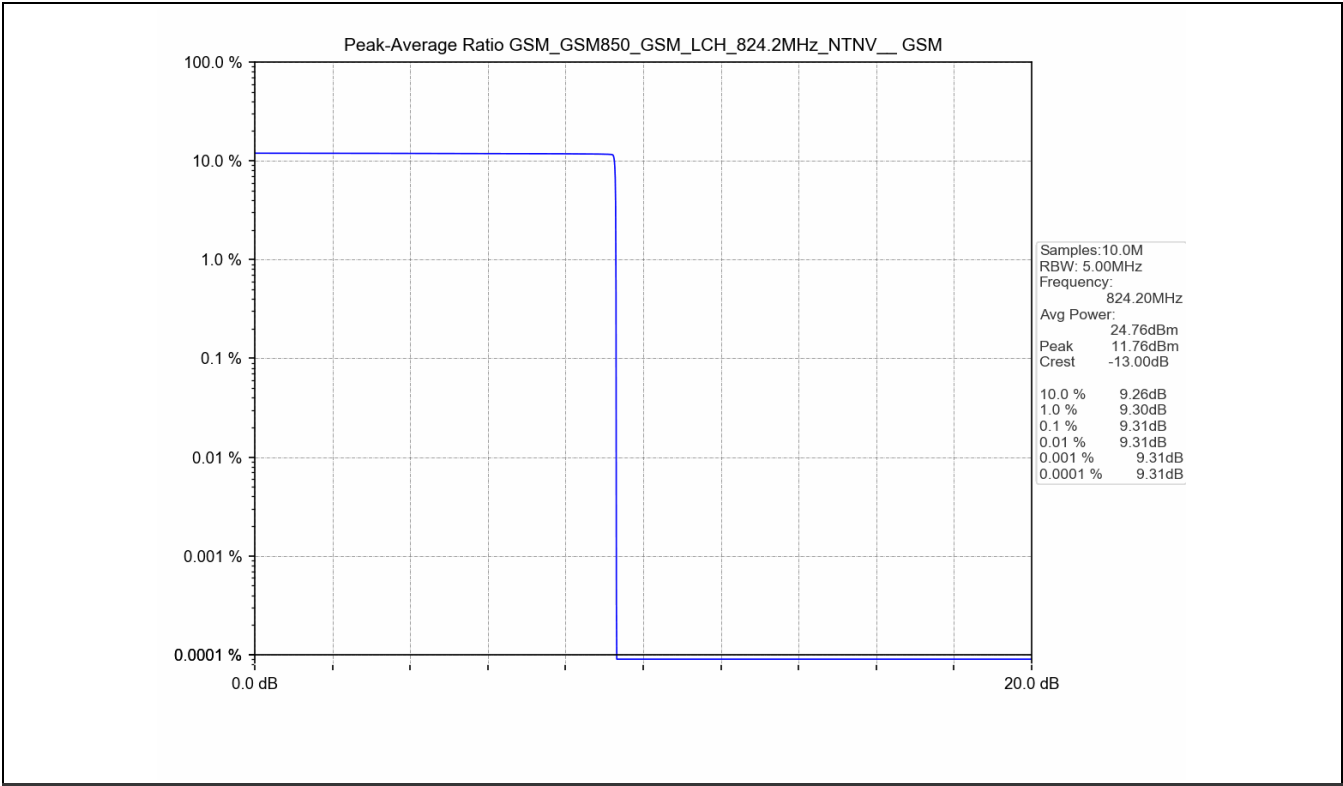
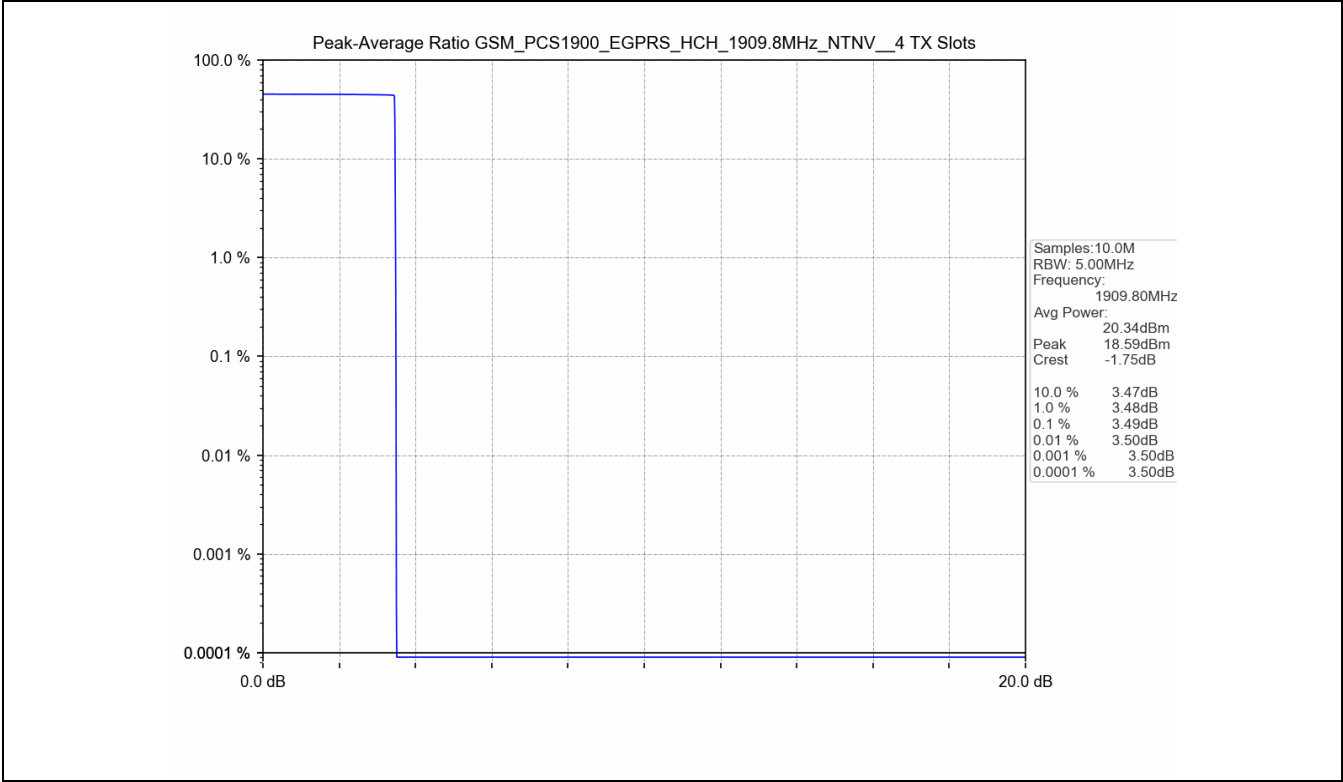
2.2 Test Graph

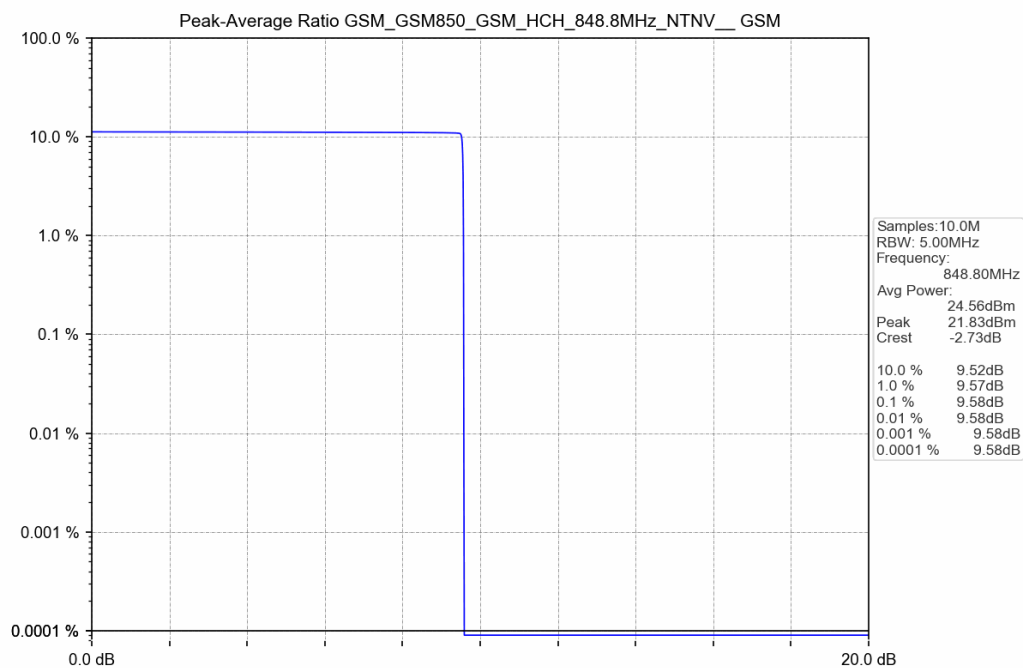
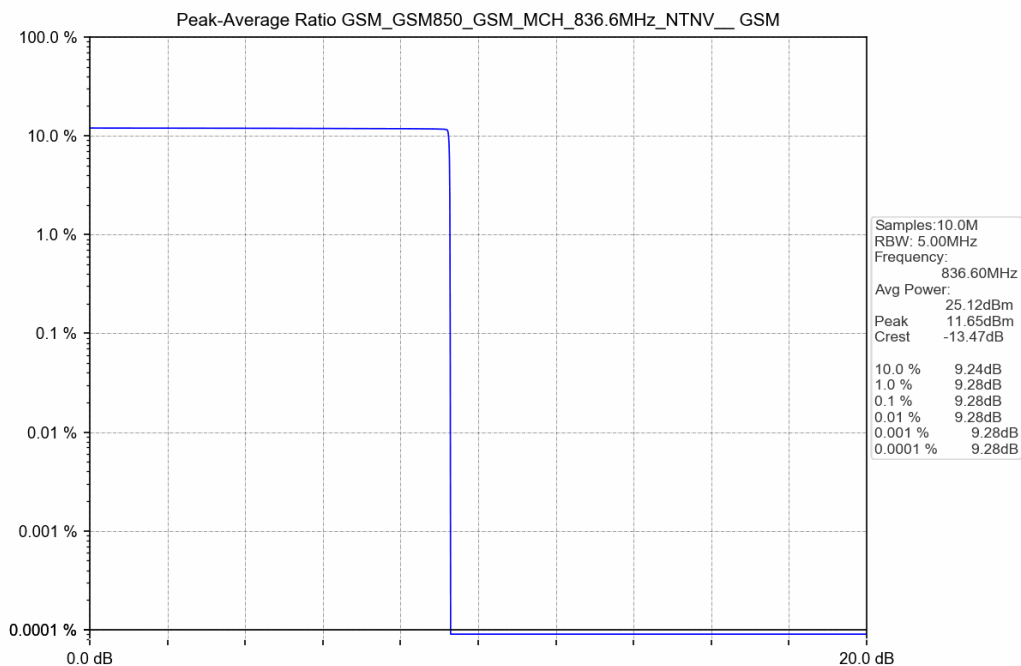


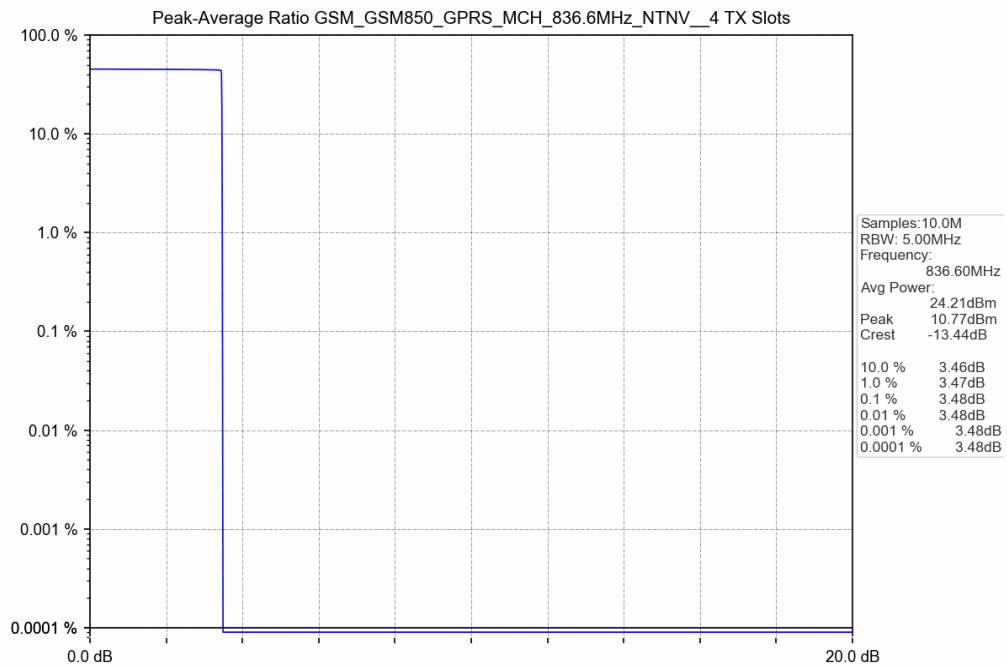
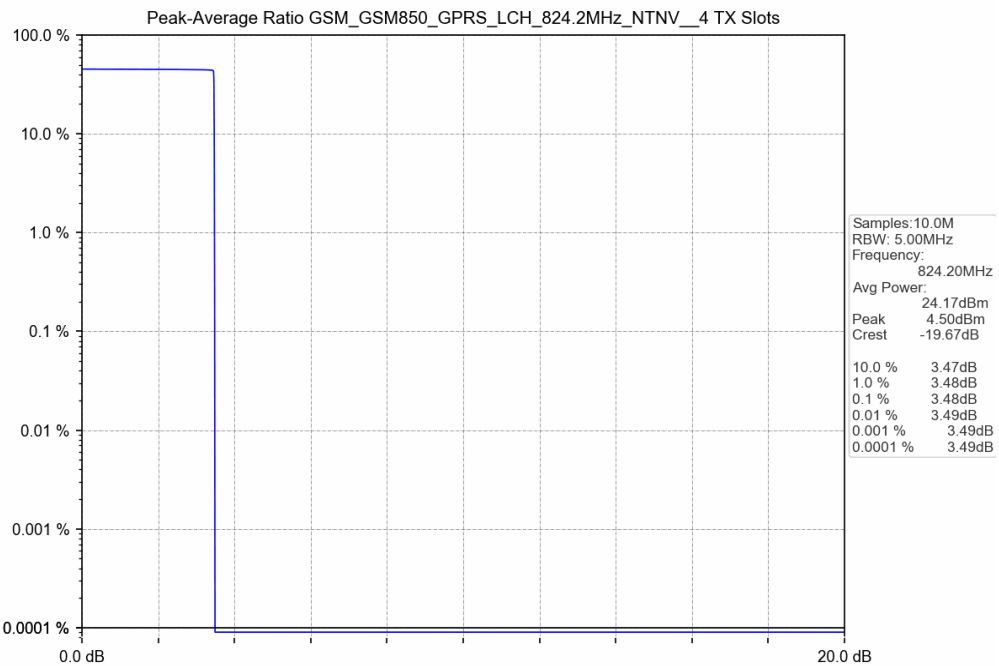


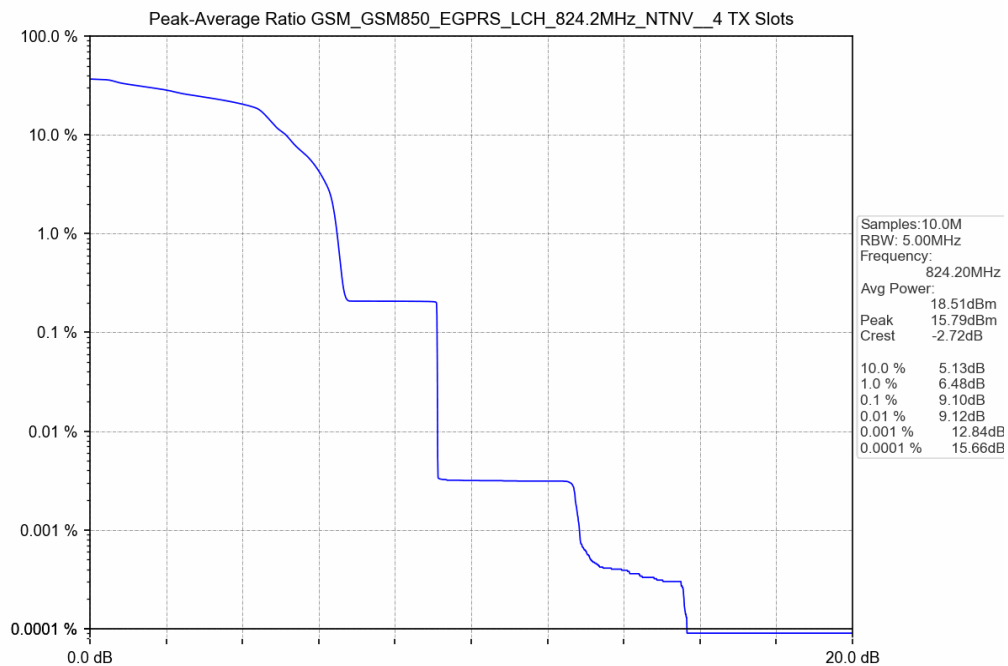
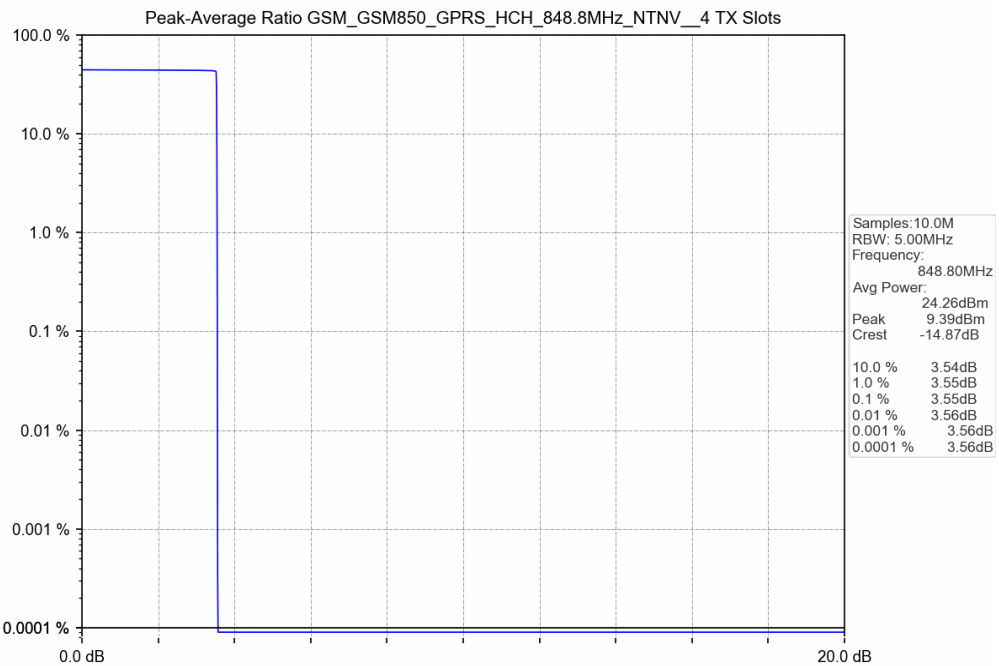


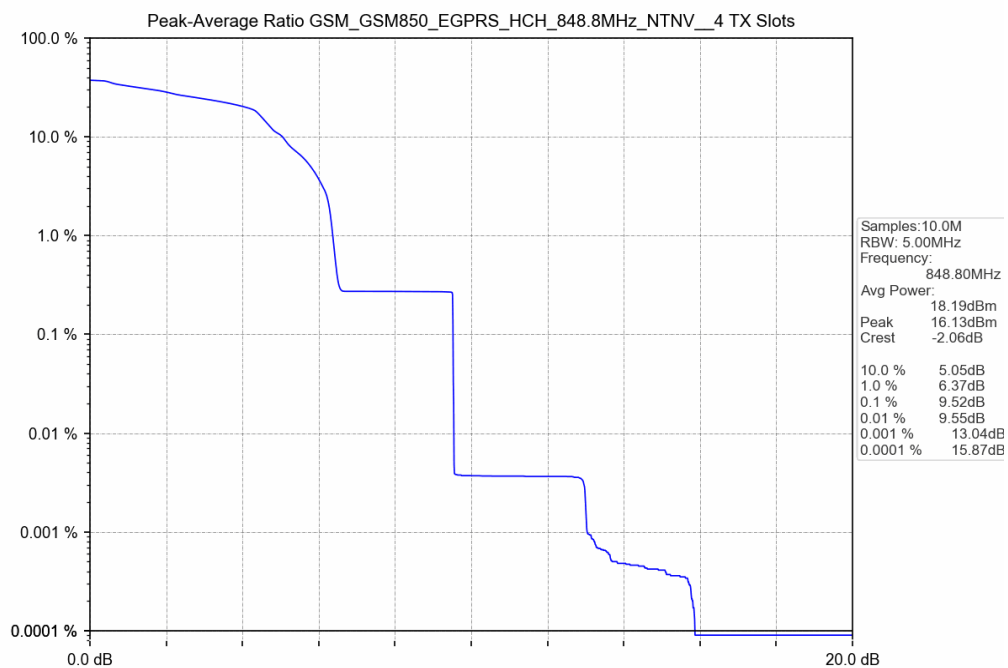
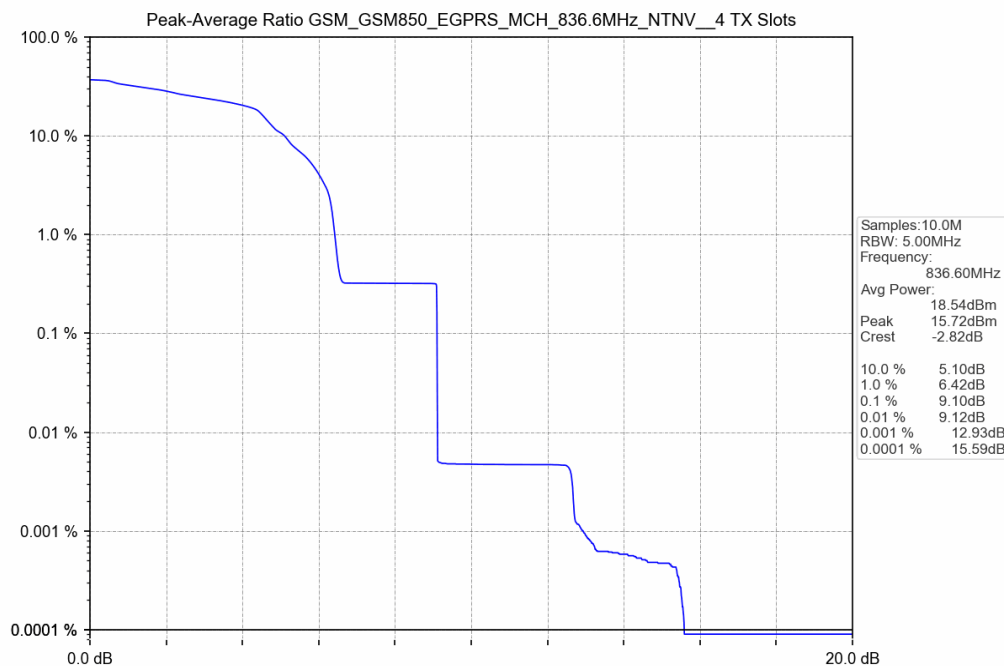












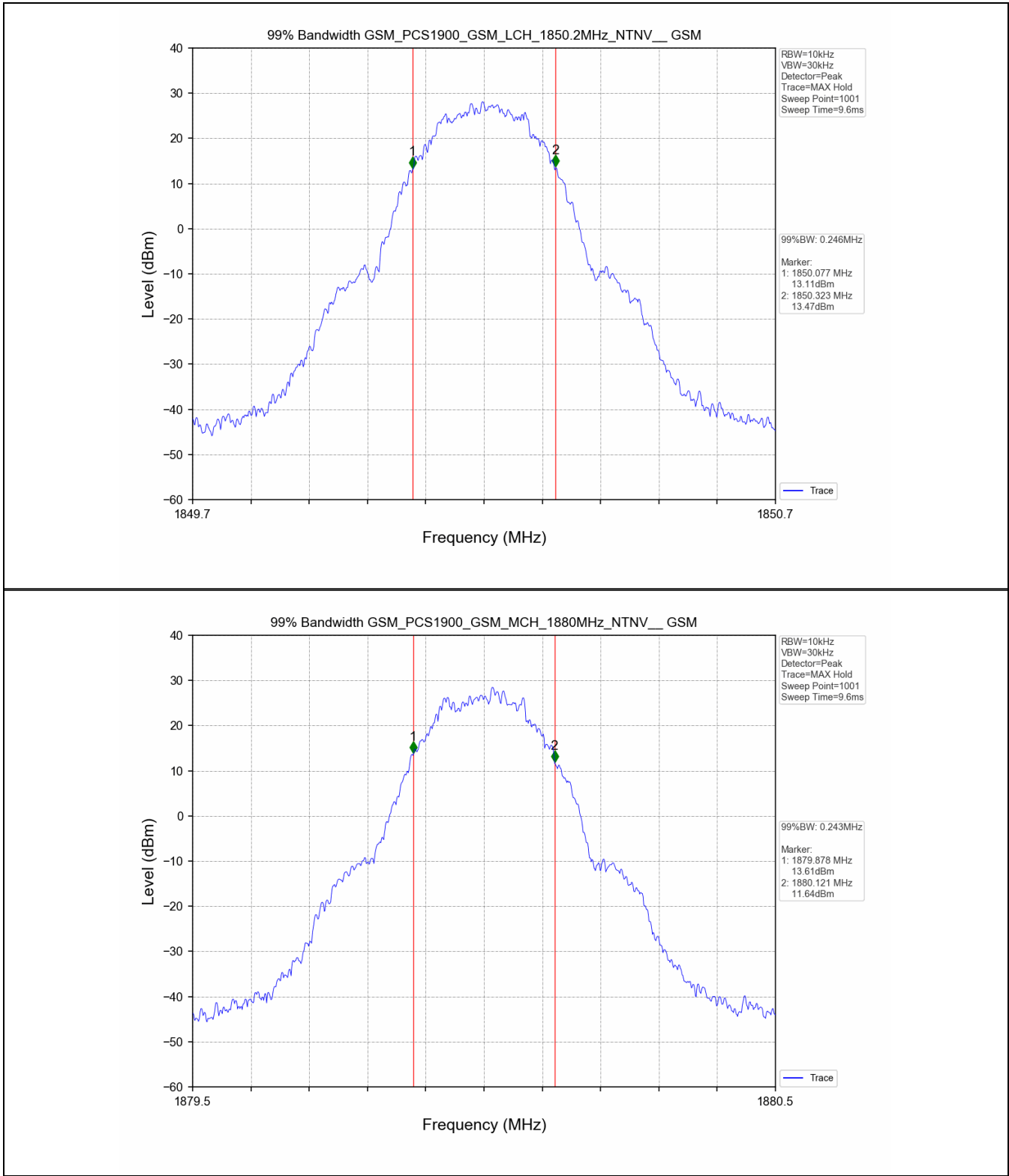
3. 99% Bandwidth

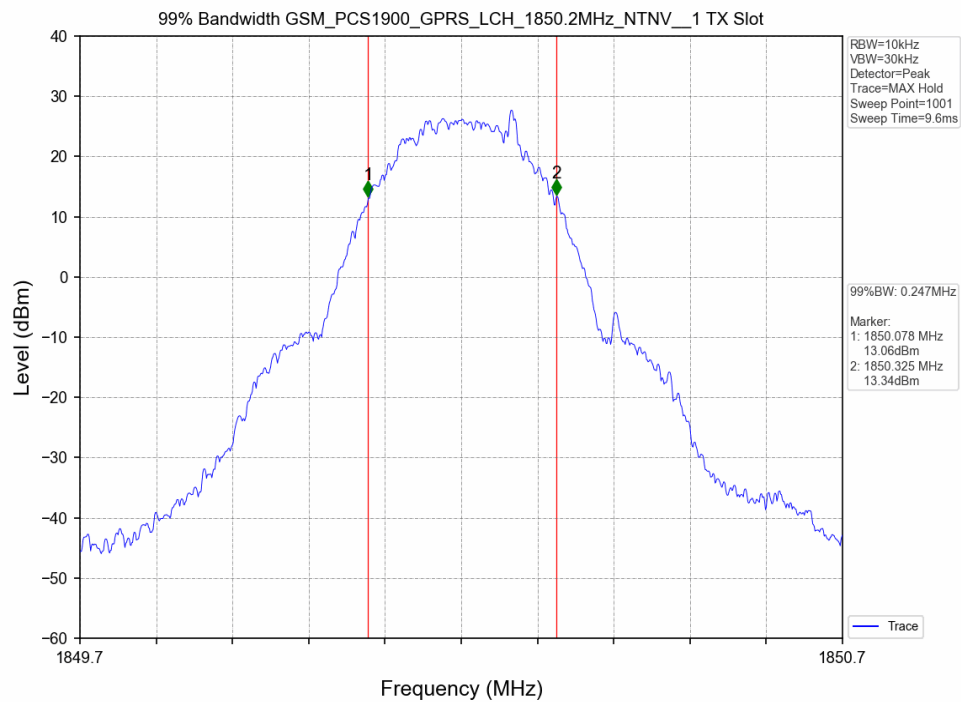
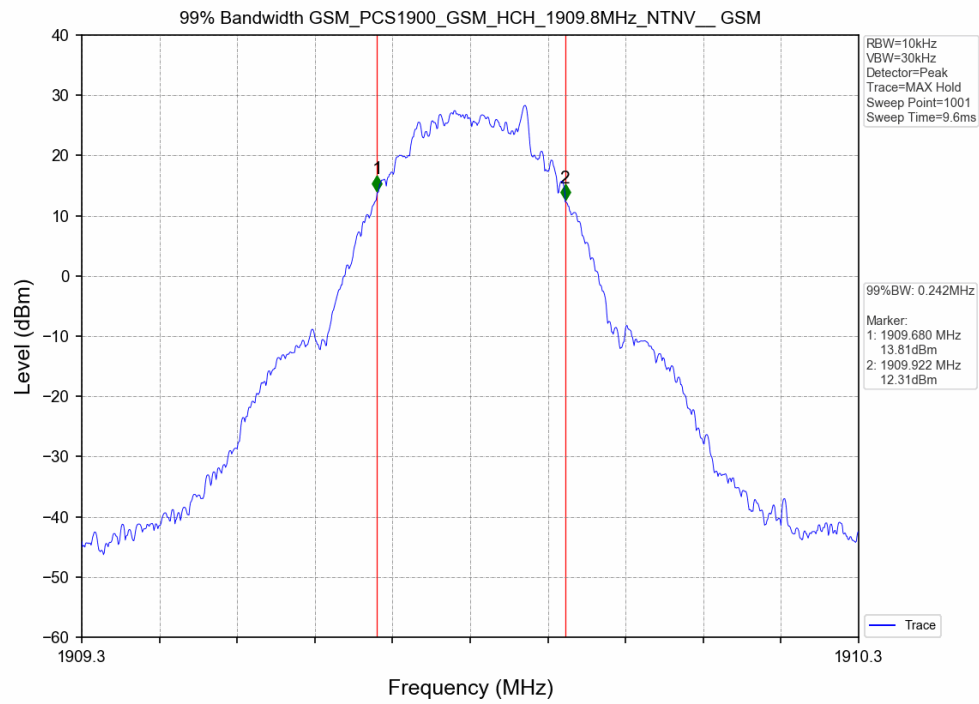
3.1 Test Result

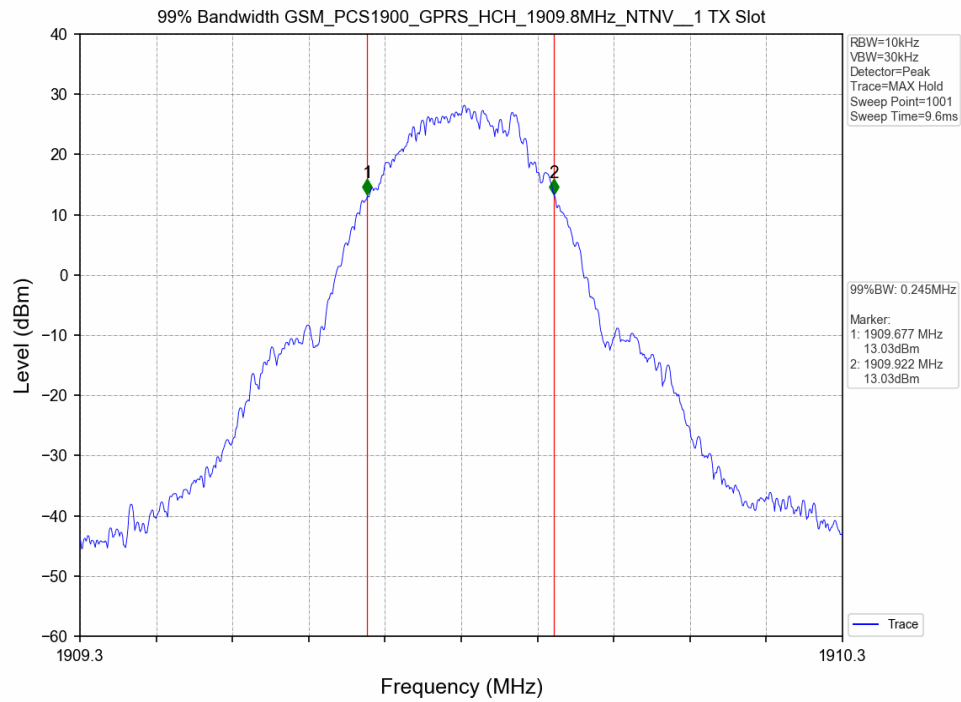
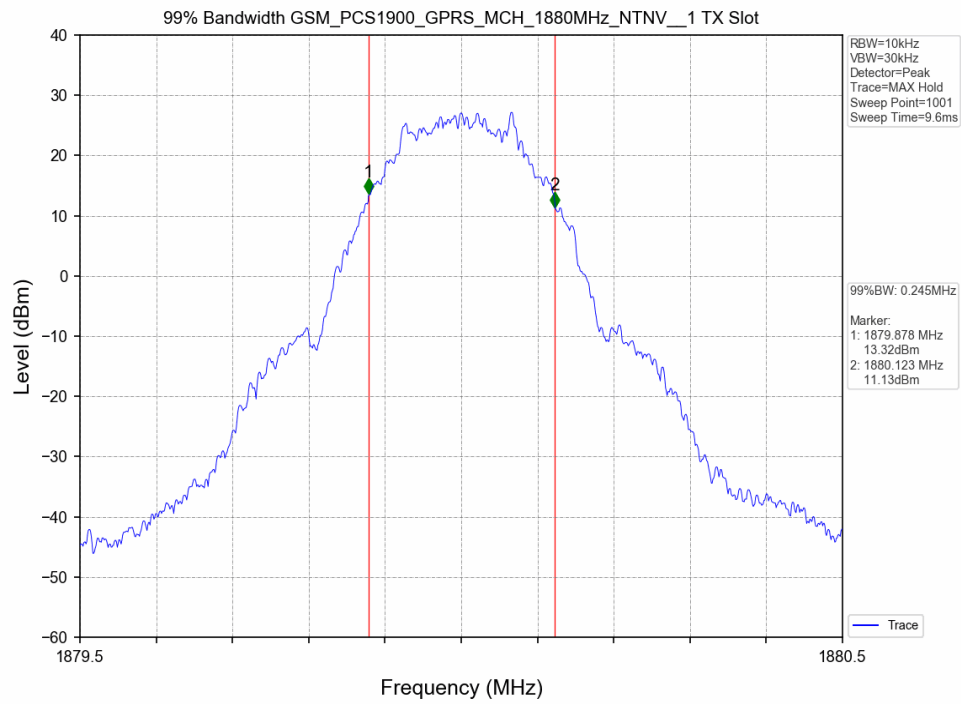
Test Band: PCS1900					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
GSM	0.246	0.243	0.242	N/A	PASS
EGPRS	0.245	0.243	0.243	N/A	PASS
GPRS	0.247	0.245	0.245	N/A	PASS

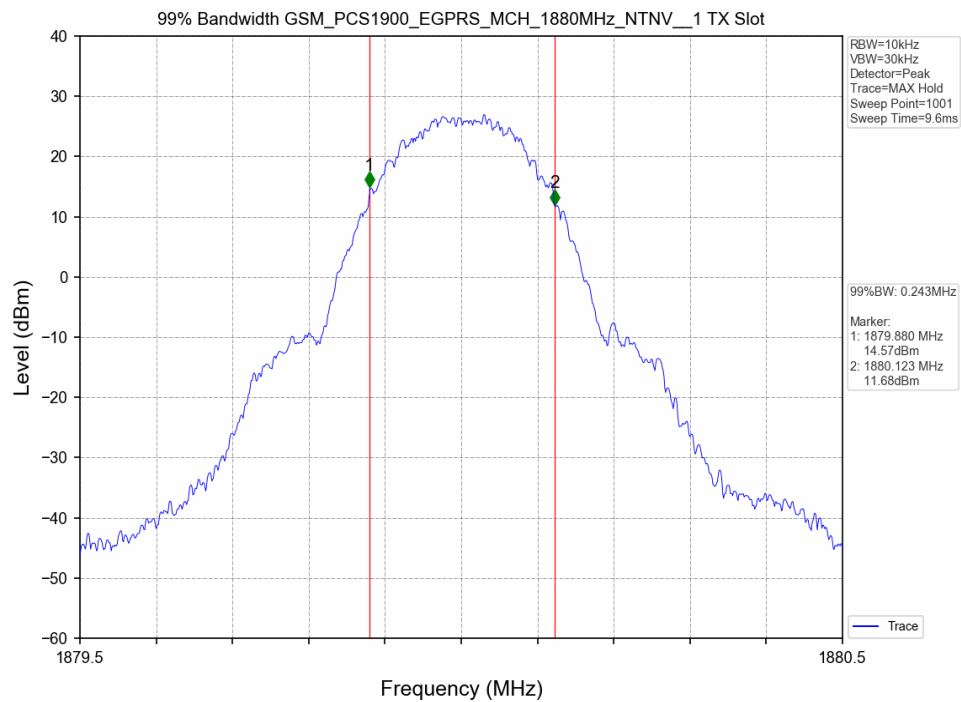
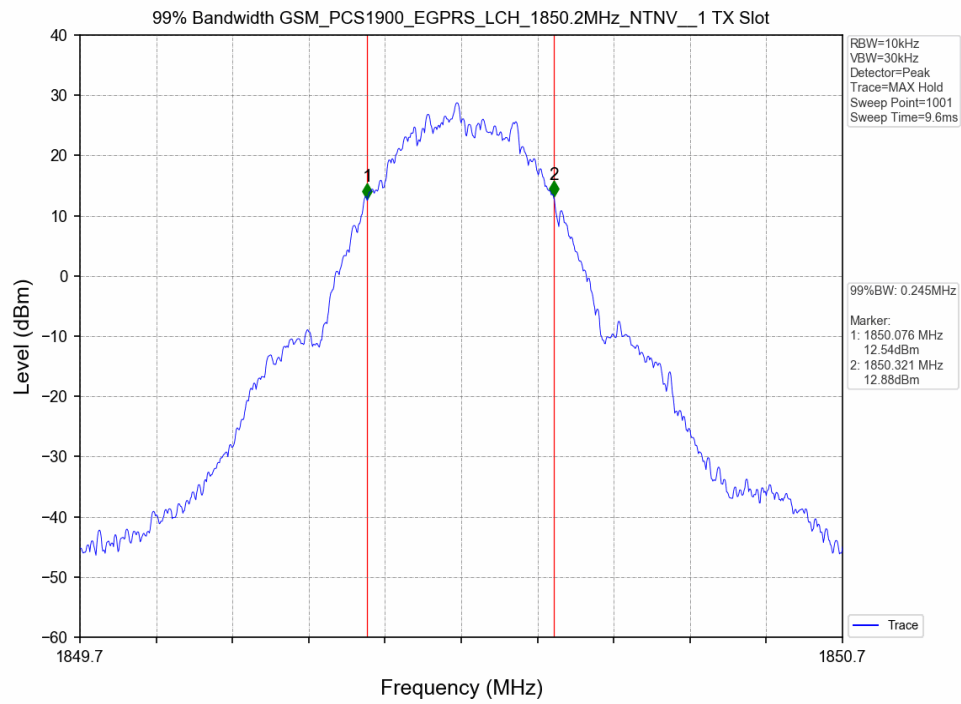
Test Band: GSM850					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
GSM	0.243	0.246	0.244	N/A	PASS
EGPRS	0.244	0.230	0.239	N/A	PASS
GPRS	0.248	0.245	0.249	N/A	PASS

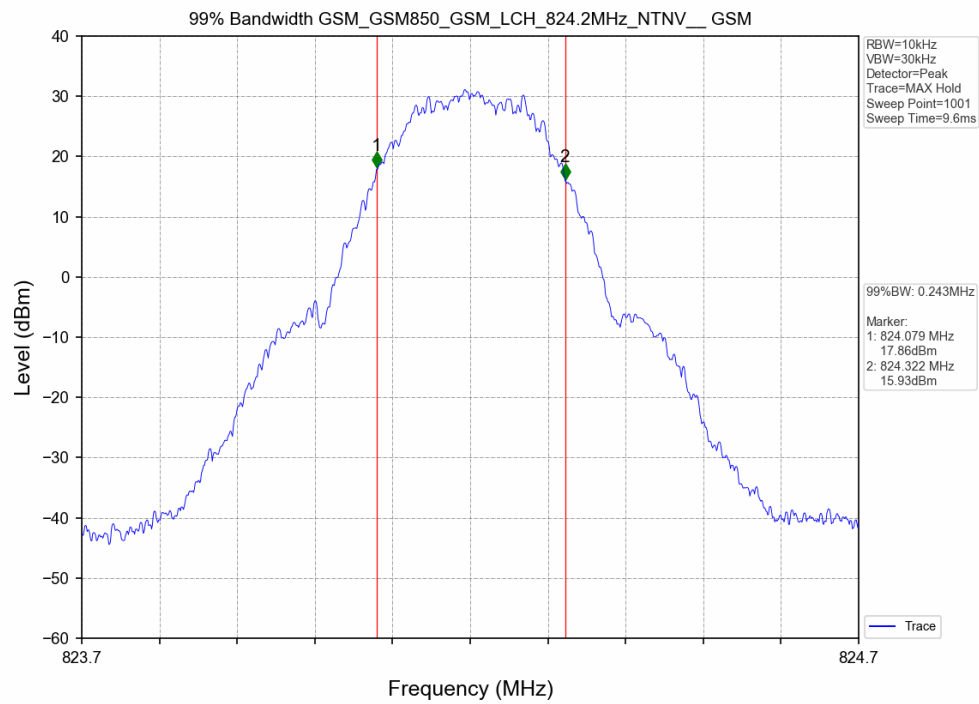
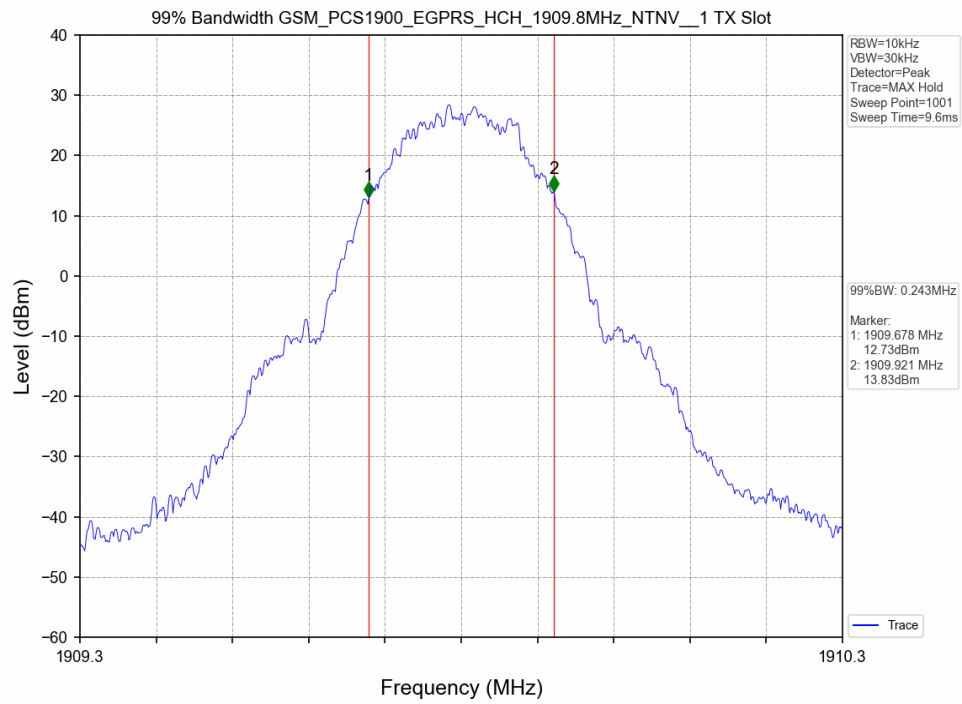
3.2 Test Graph

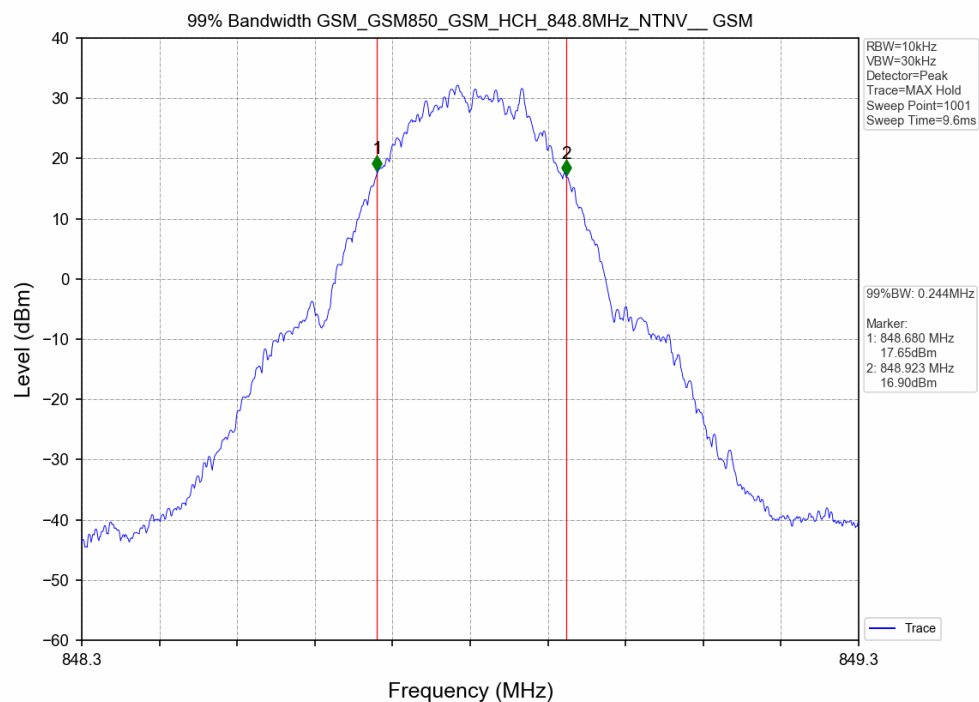
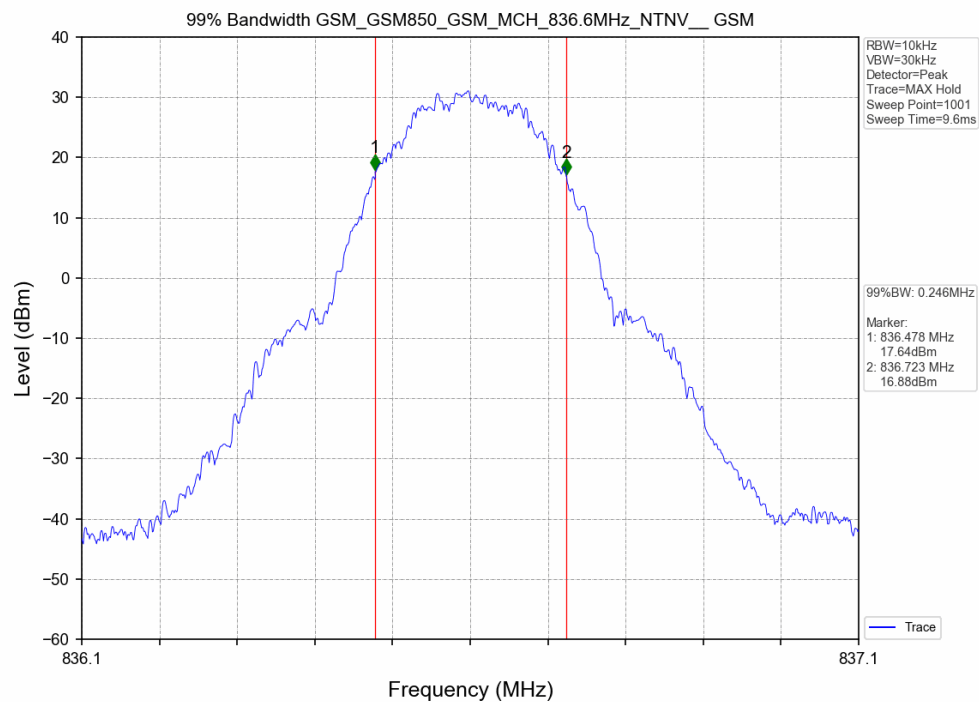


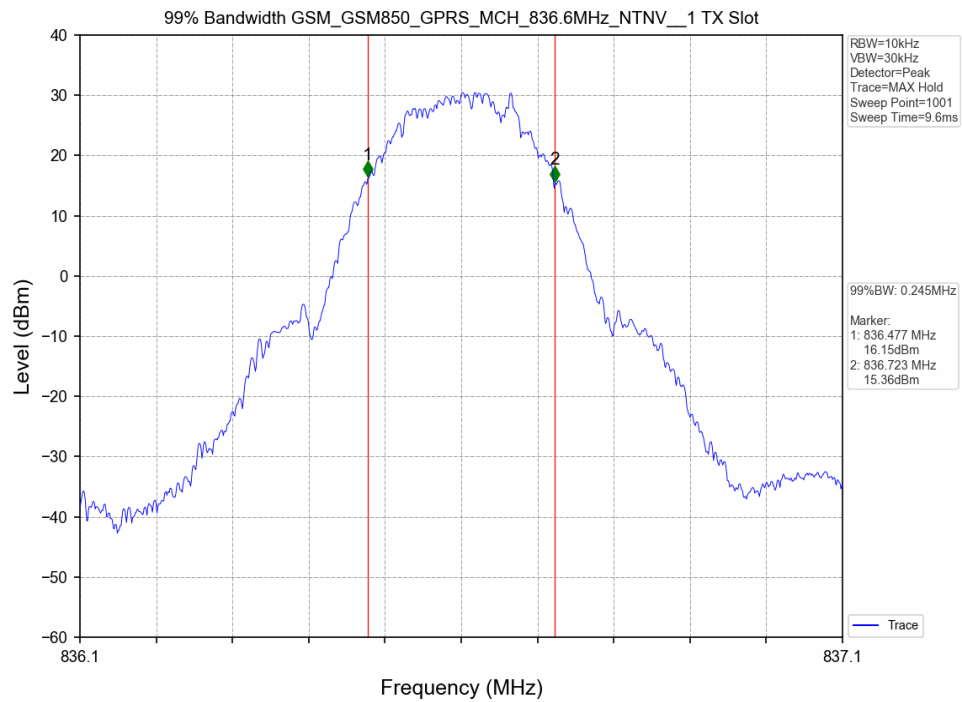
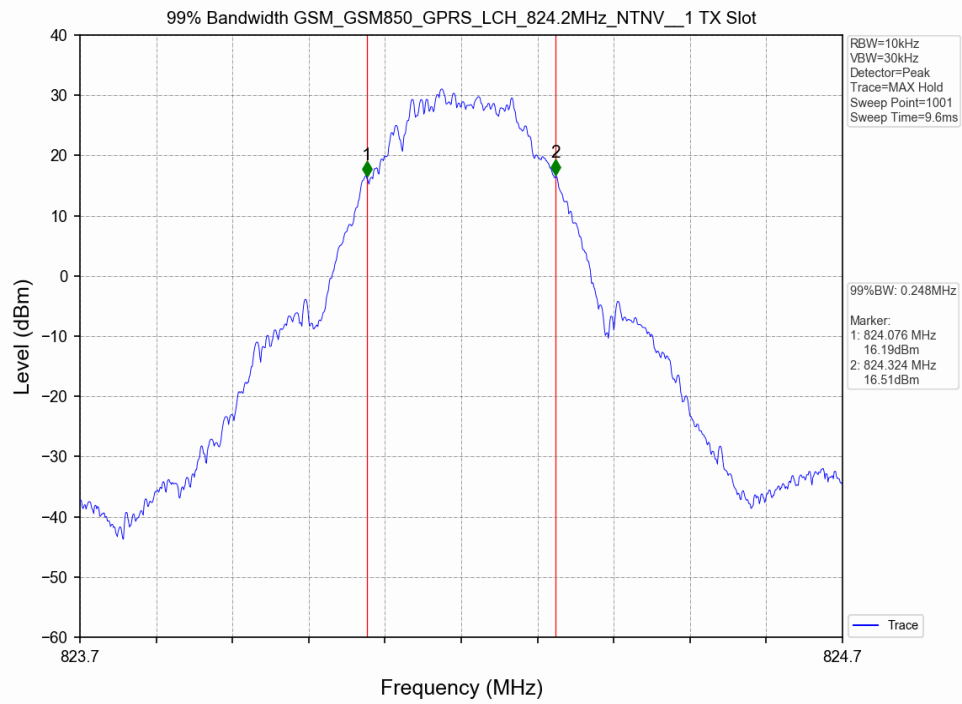


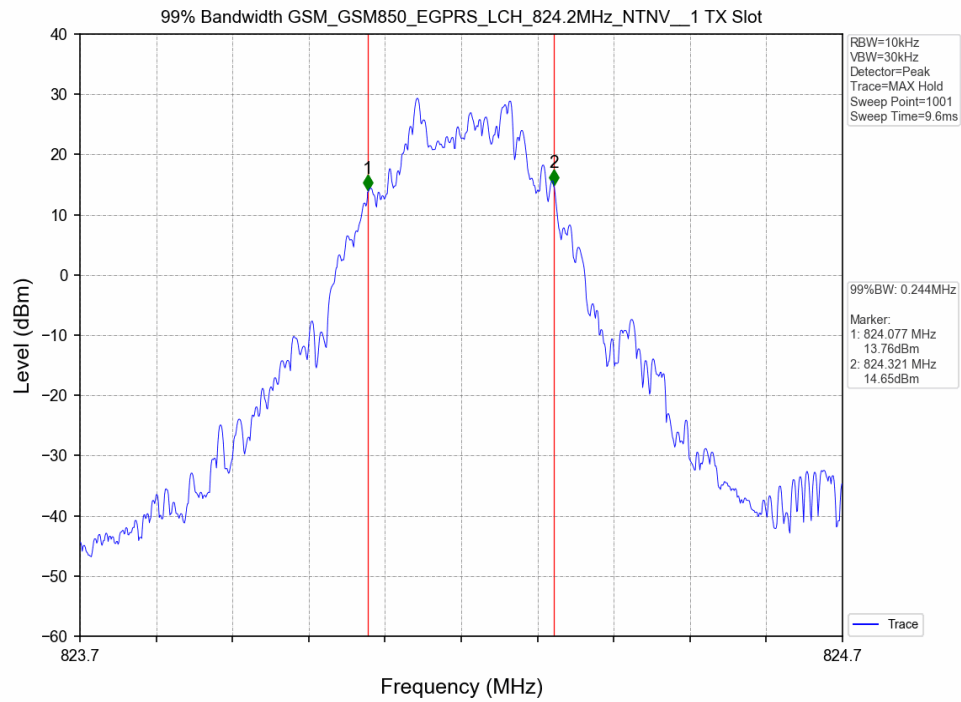
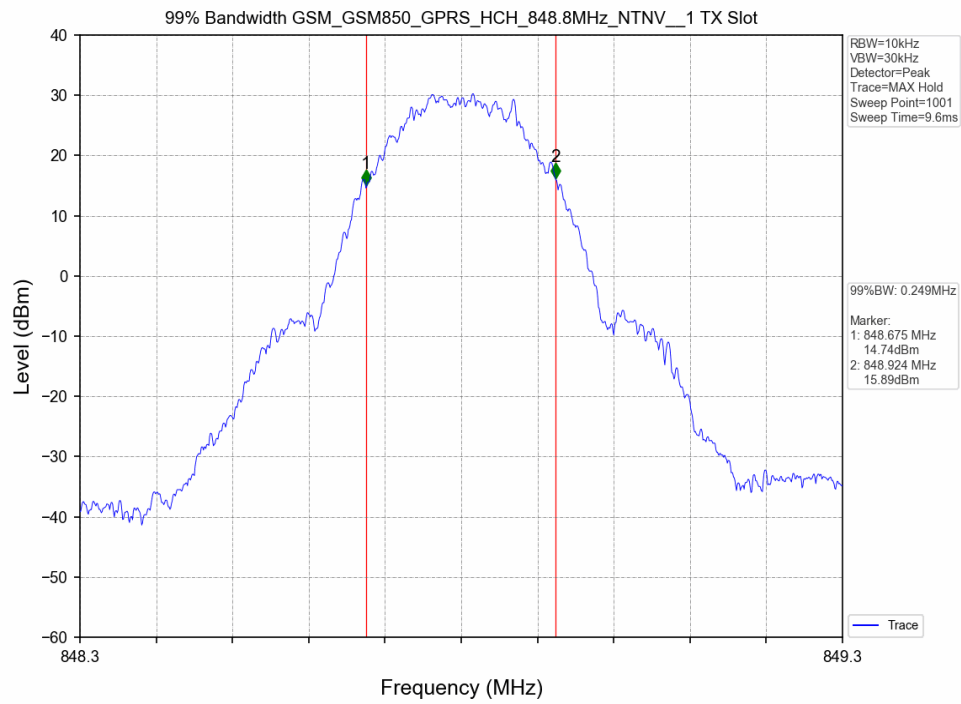


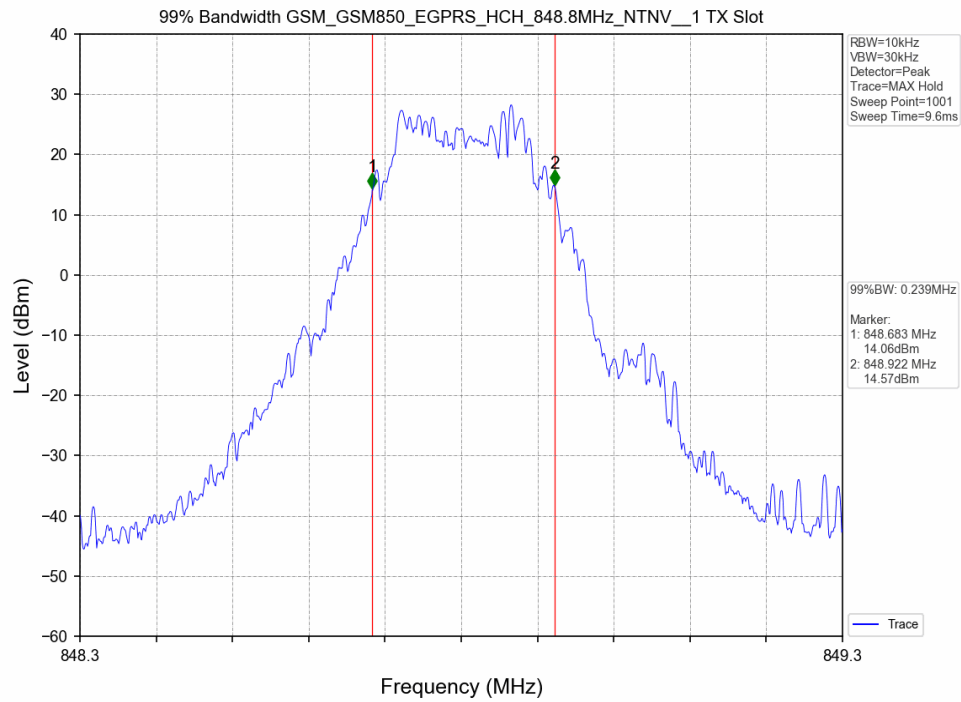
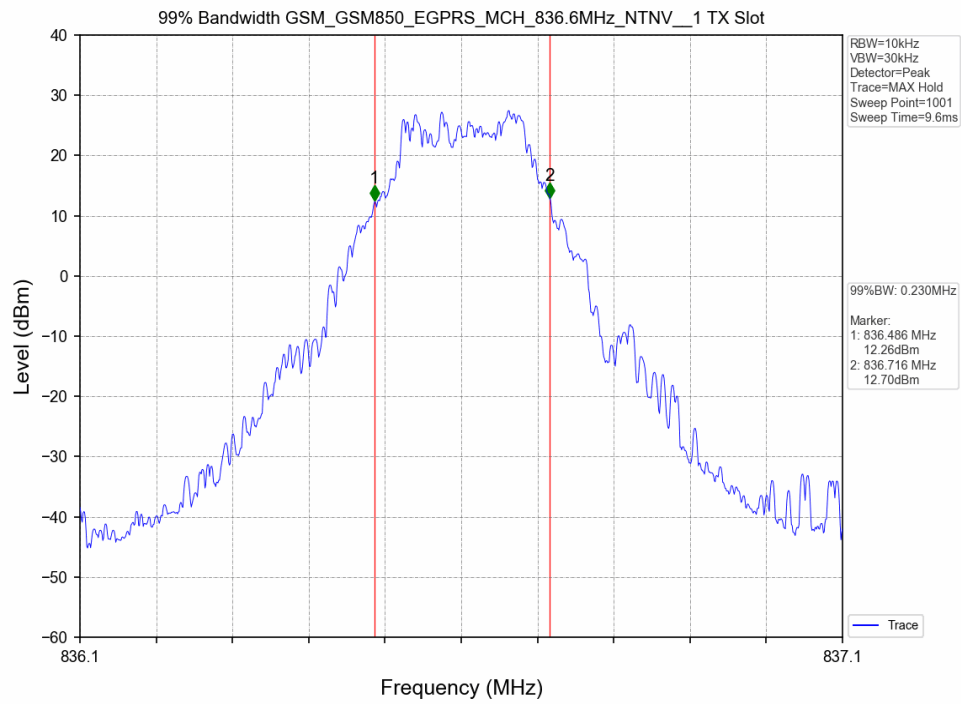










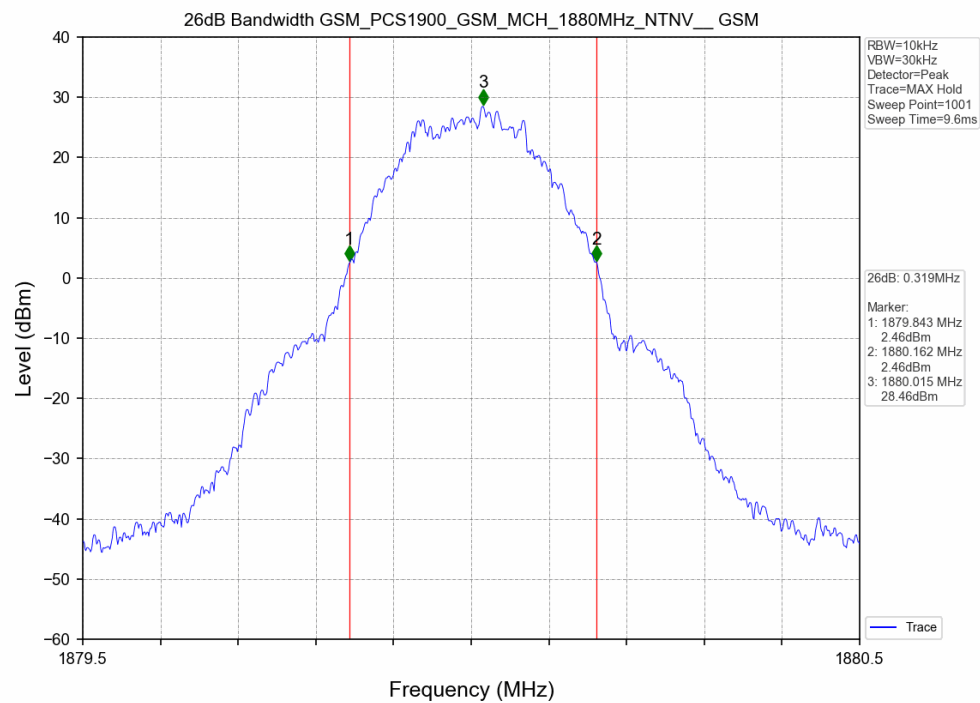
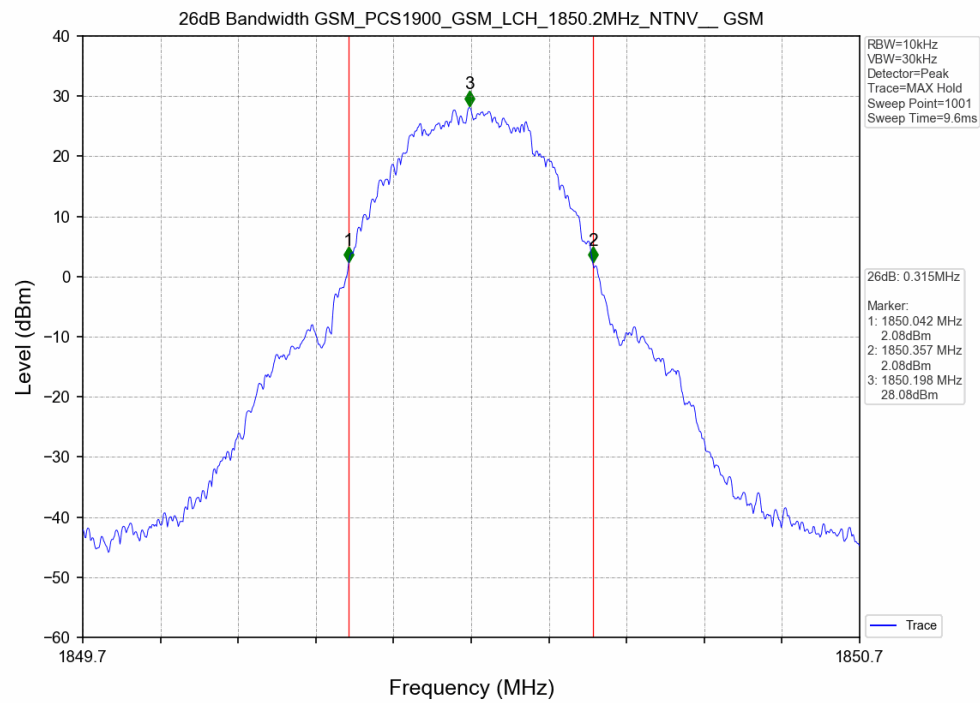


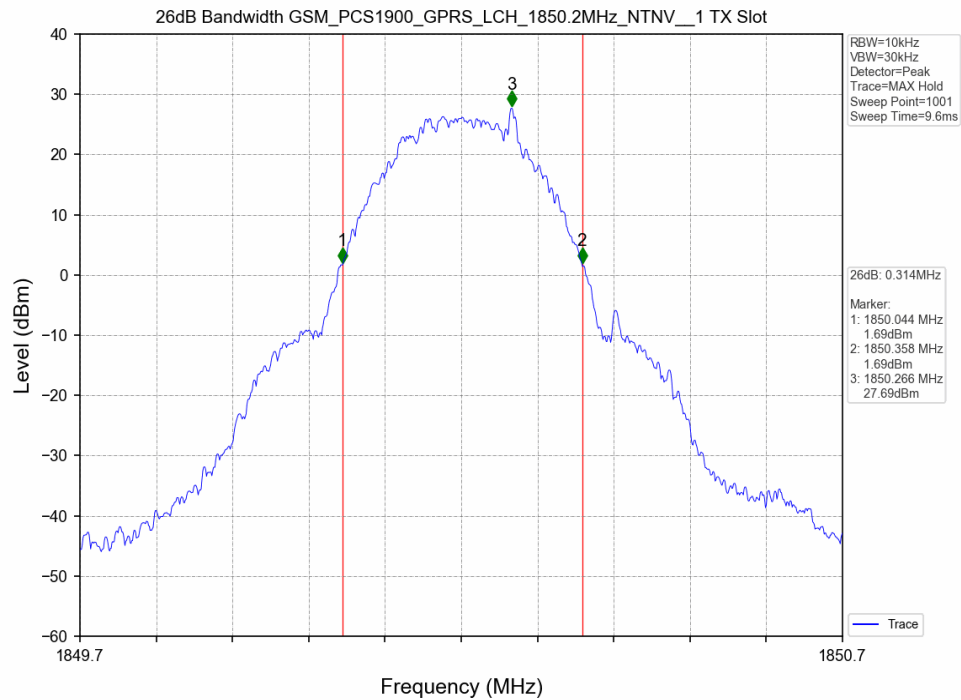
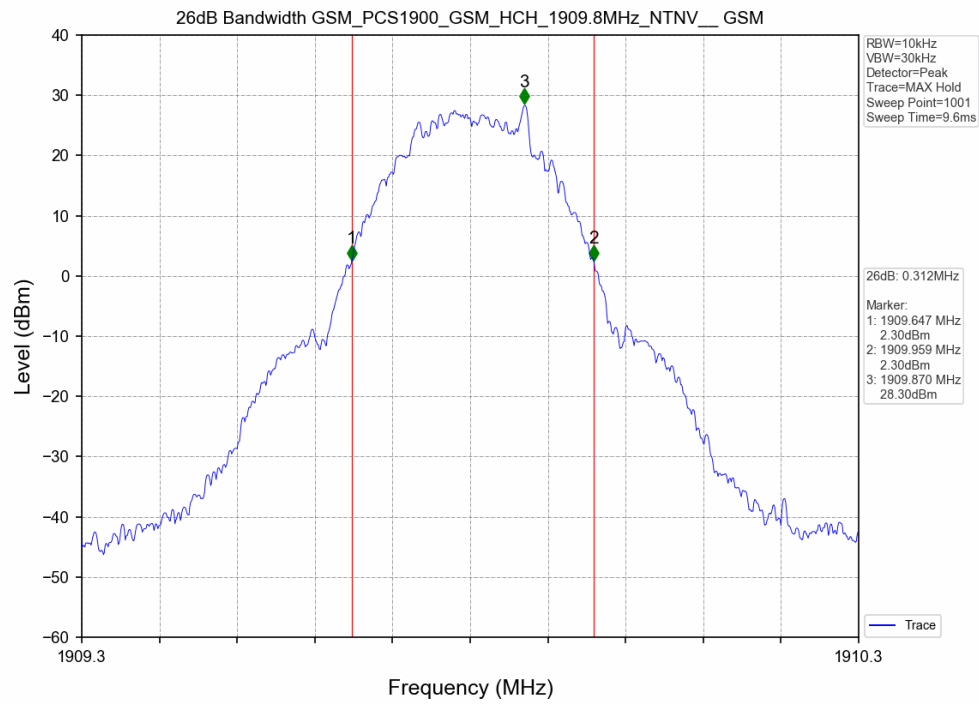
3.3 Test Result

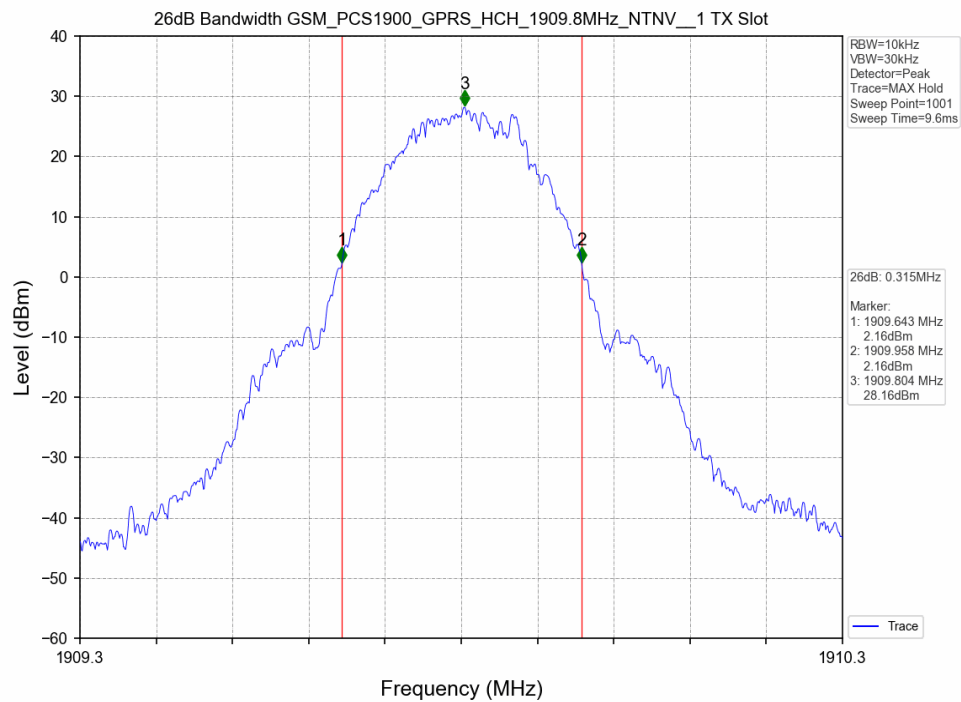
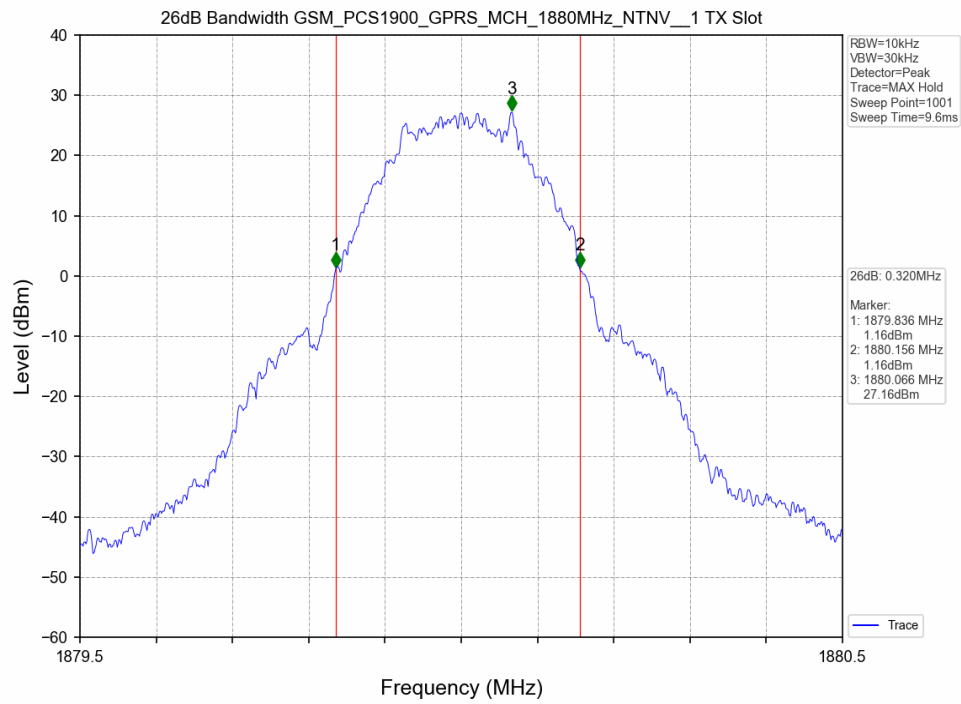
Test Band: PCS1900					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
GSM	0.315	0.319	0.312	N/A	PASS
EGPRS	0.310	0.317	0.321	N/A	PASS
GPRS	0.314	0.320	0.315	N/A	PASS

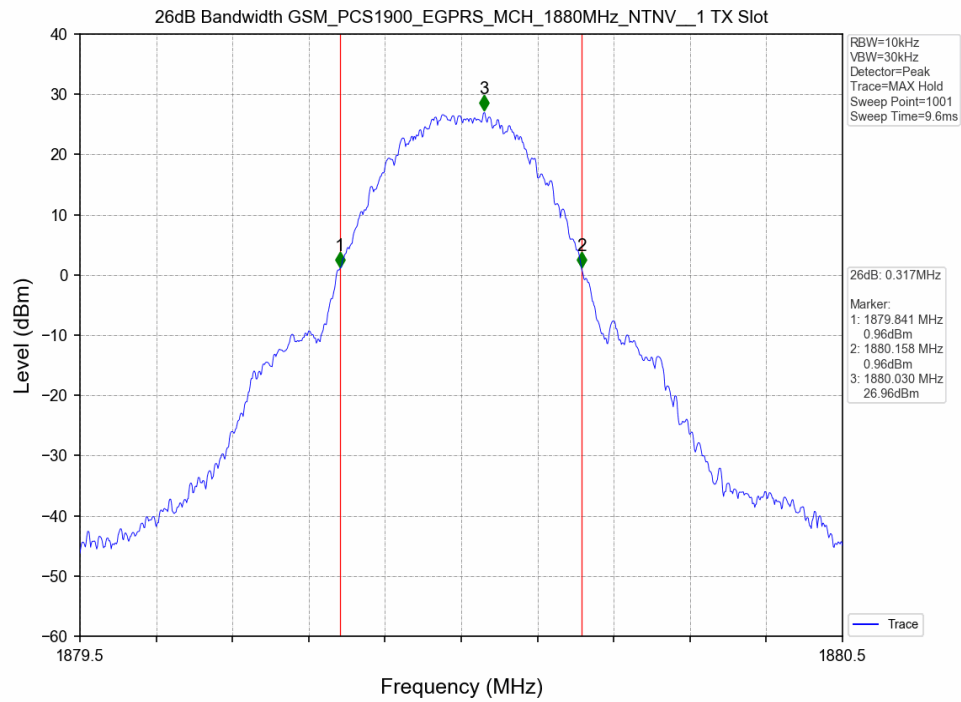
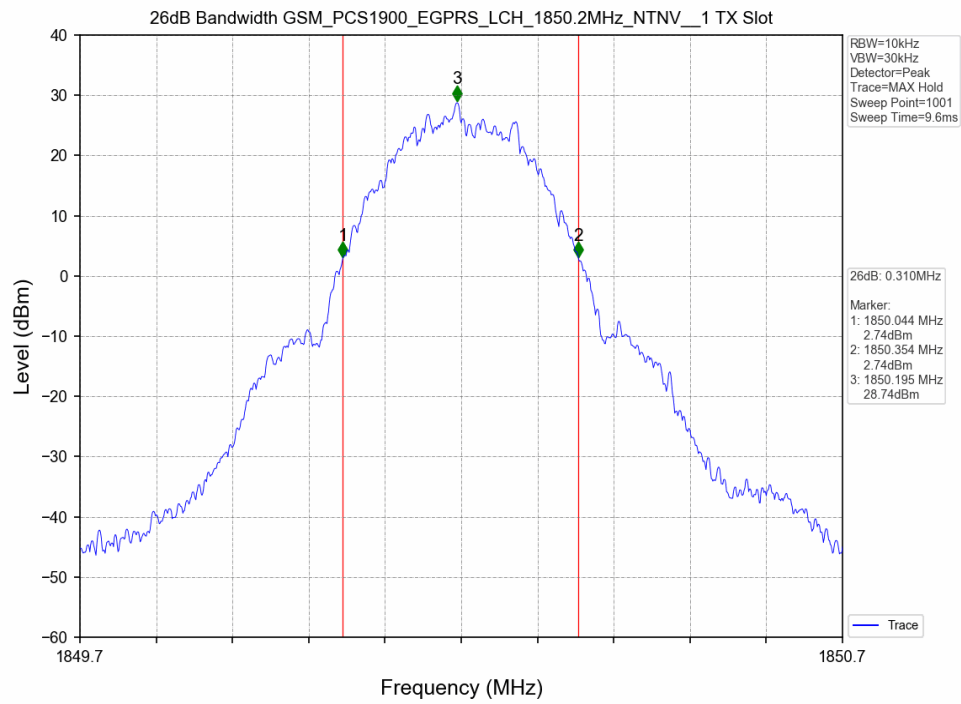
Test Band: GSM850					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
GSM	0.323	0.320	0.319	N/A	PASS
EGPRS	0.311	0.325	0.316	N/A	PASS
GPRS	0.318	0.322	0.321	N/A	PASS

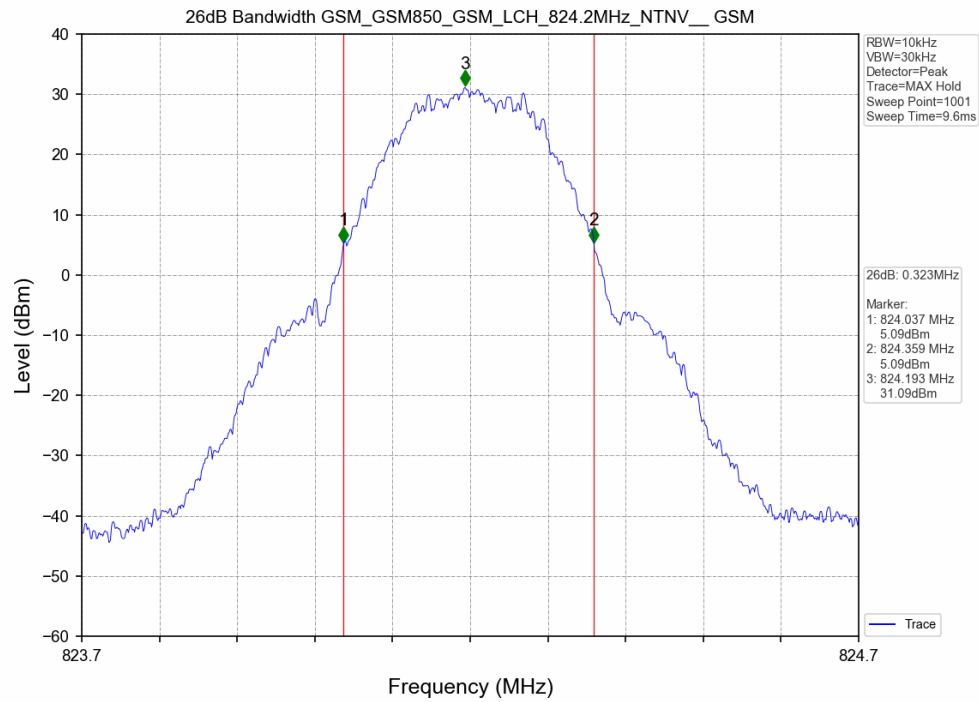
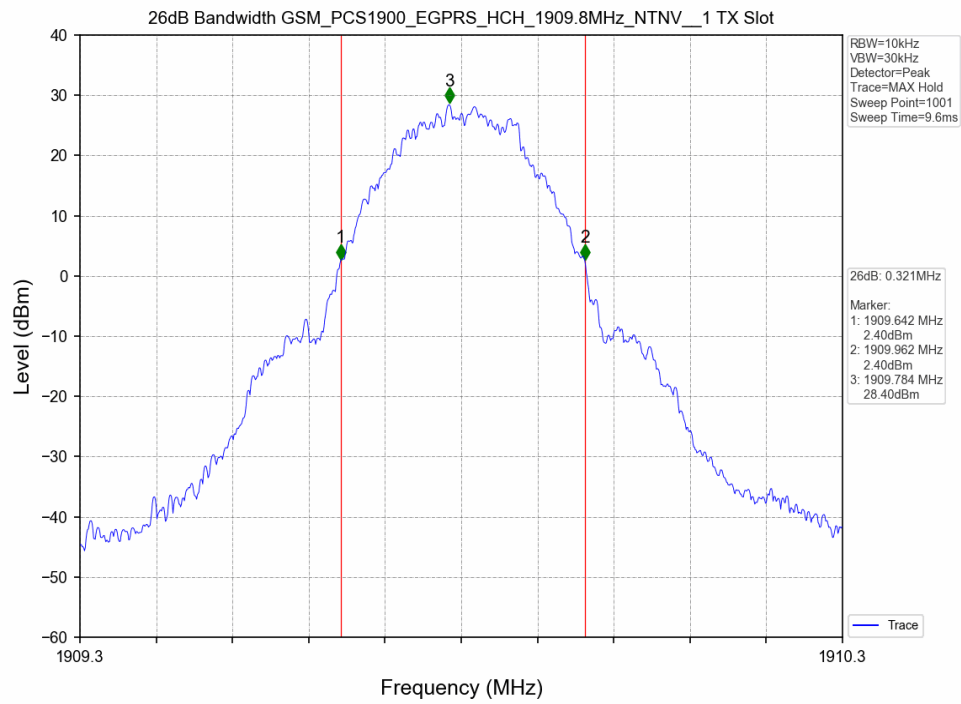
3.4 Test Graph

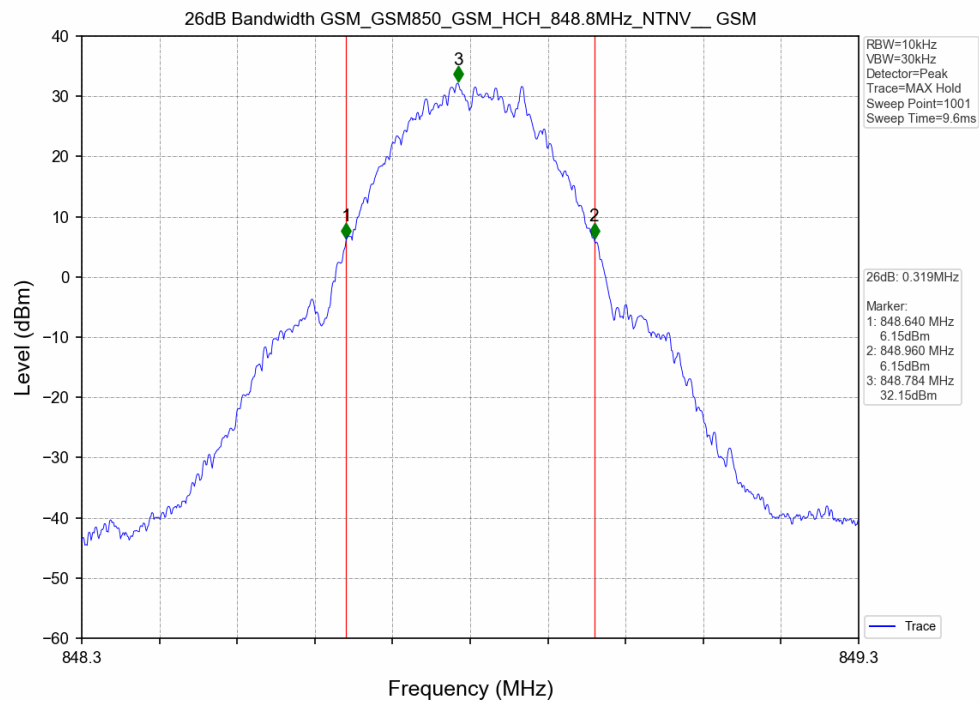
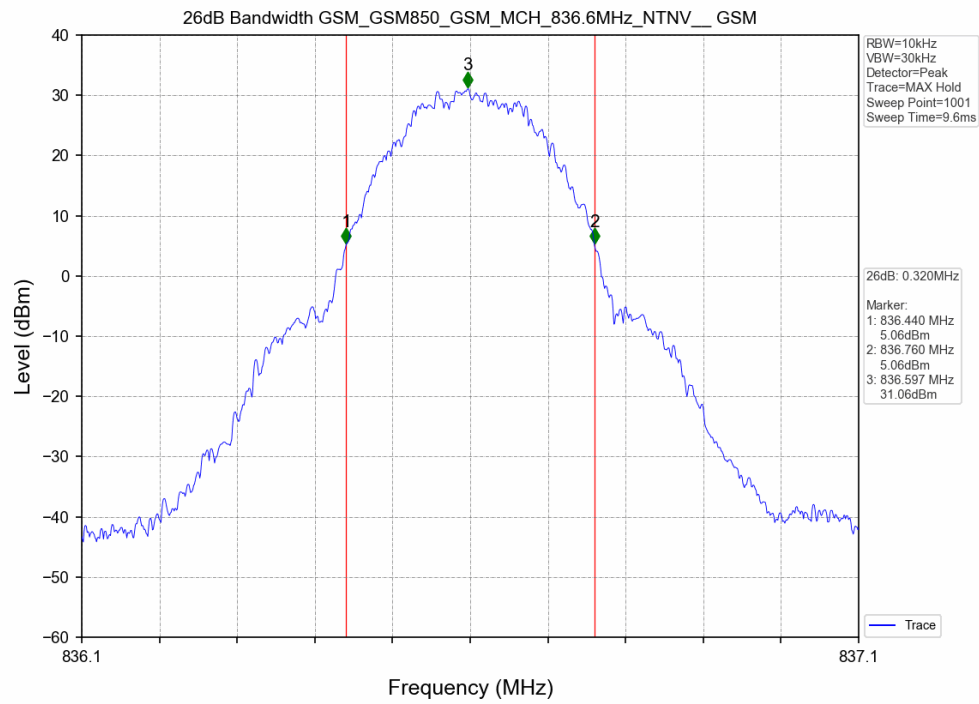


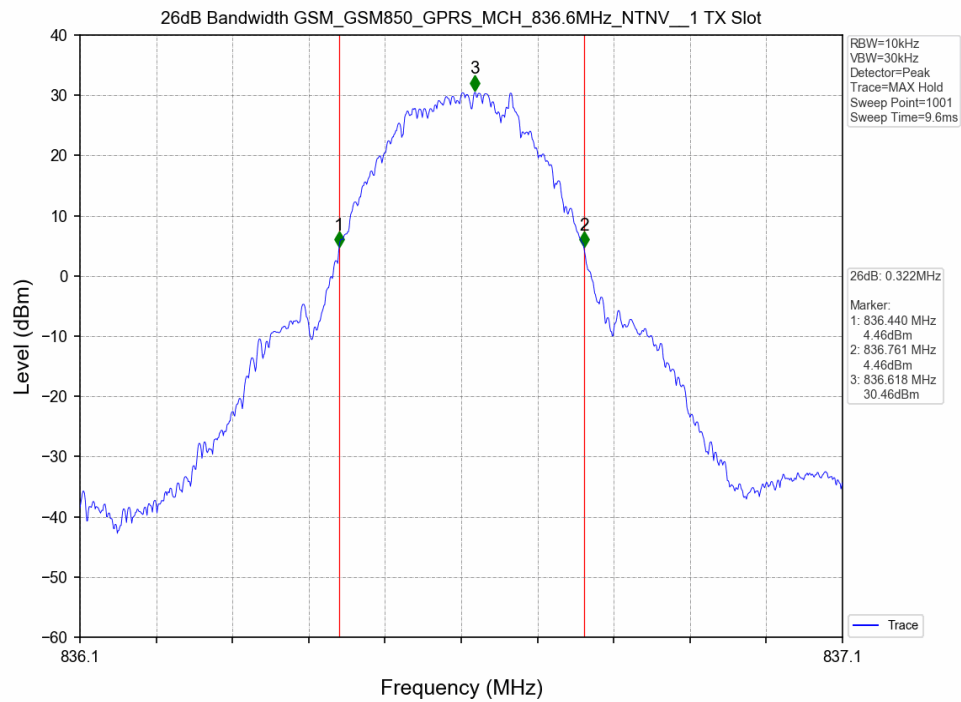
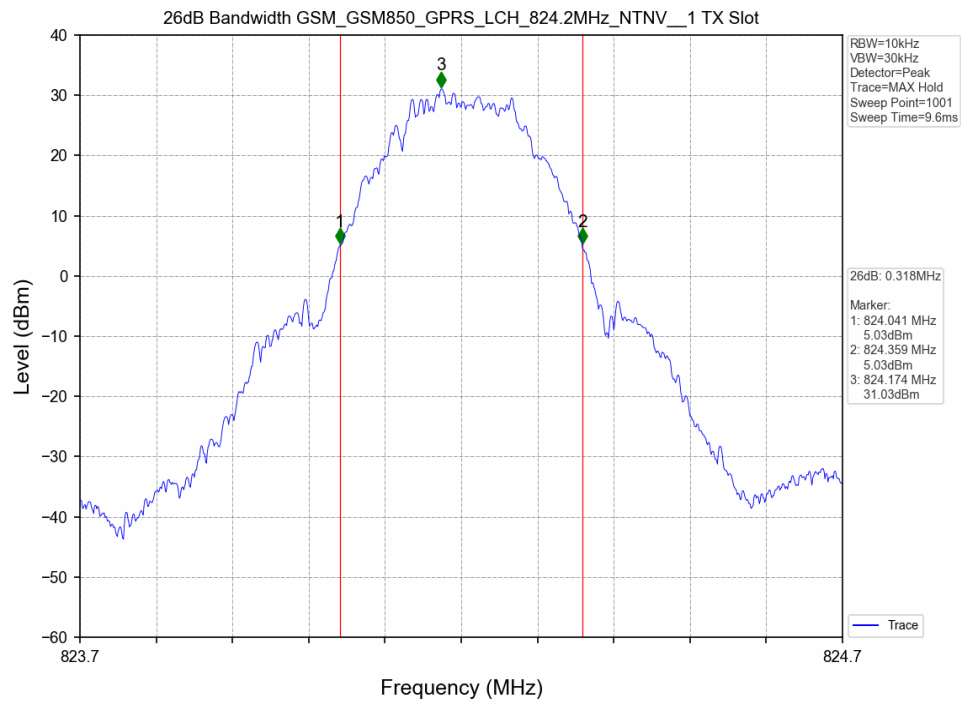


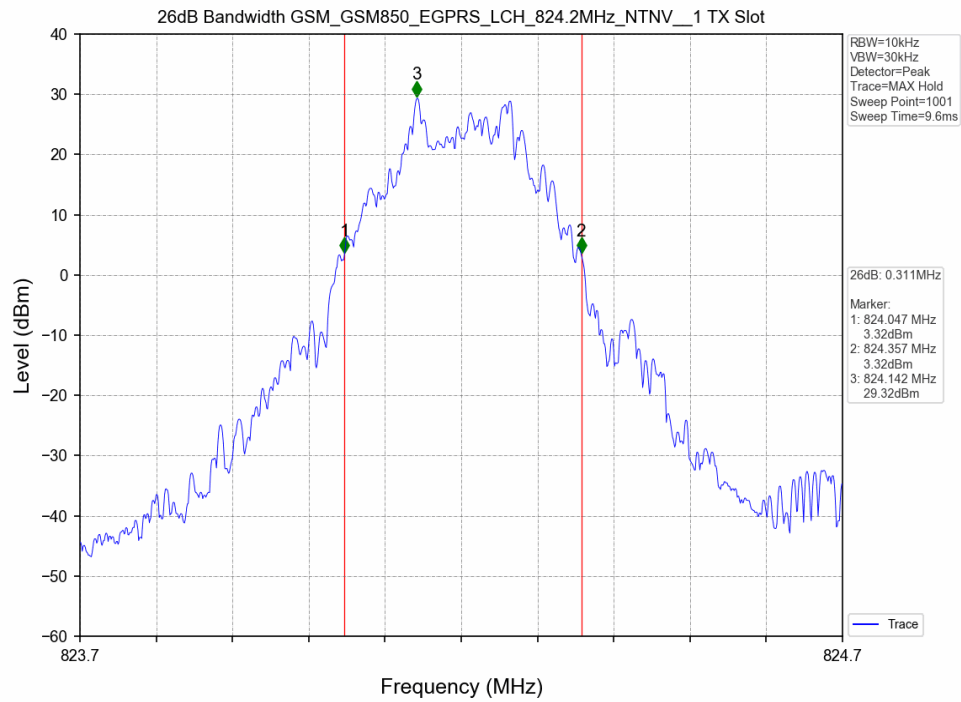
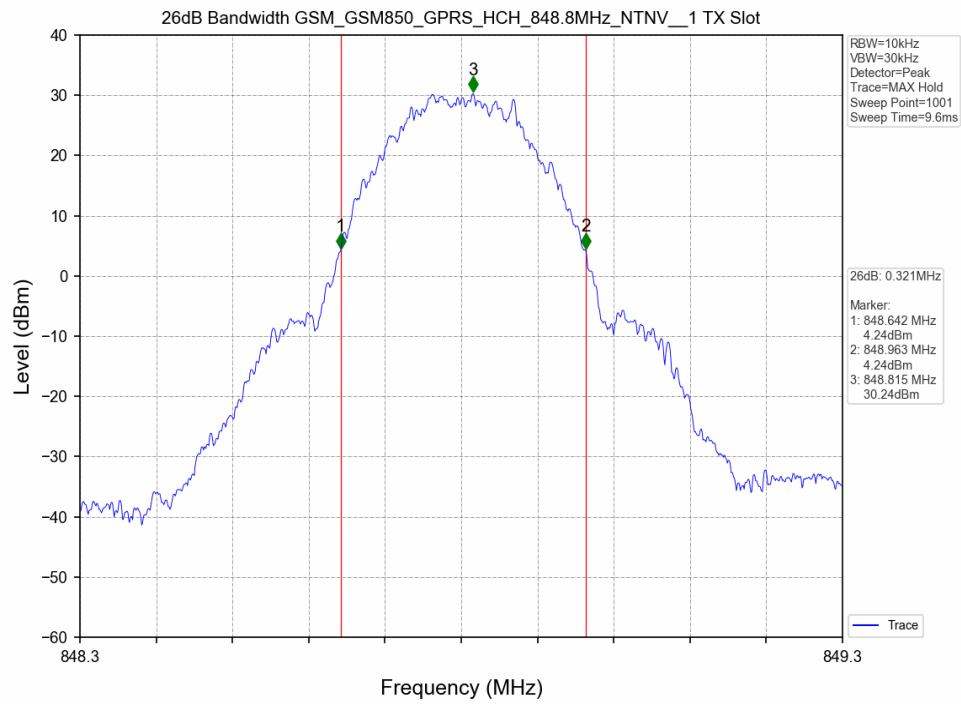


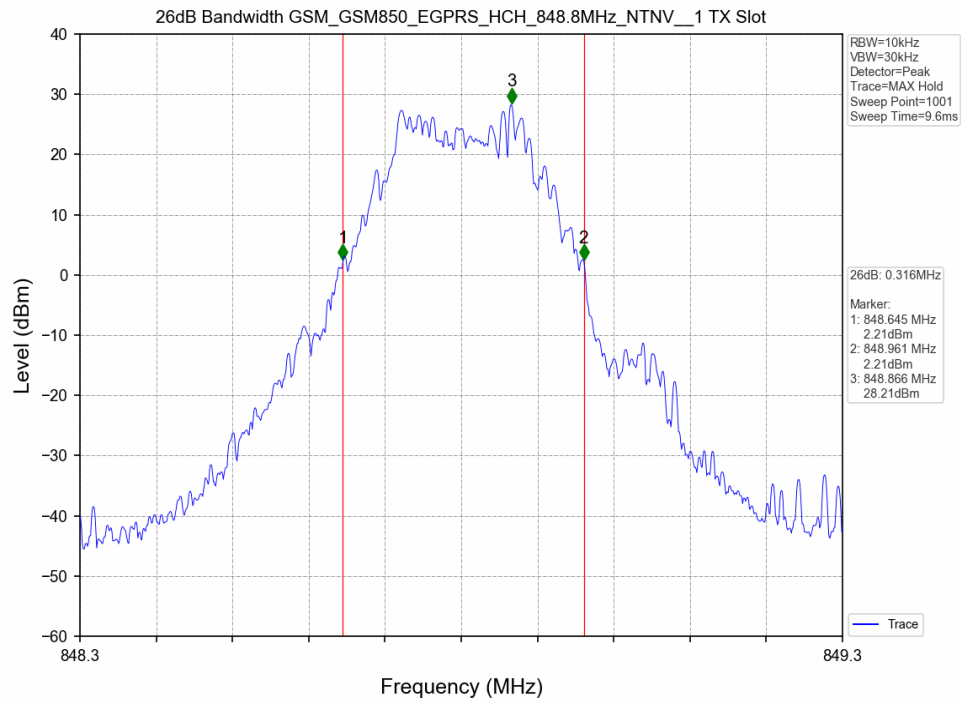
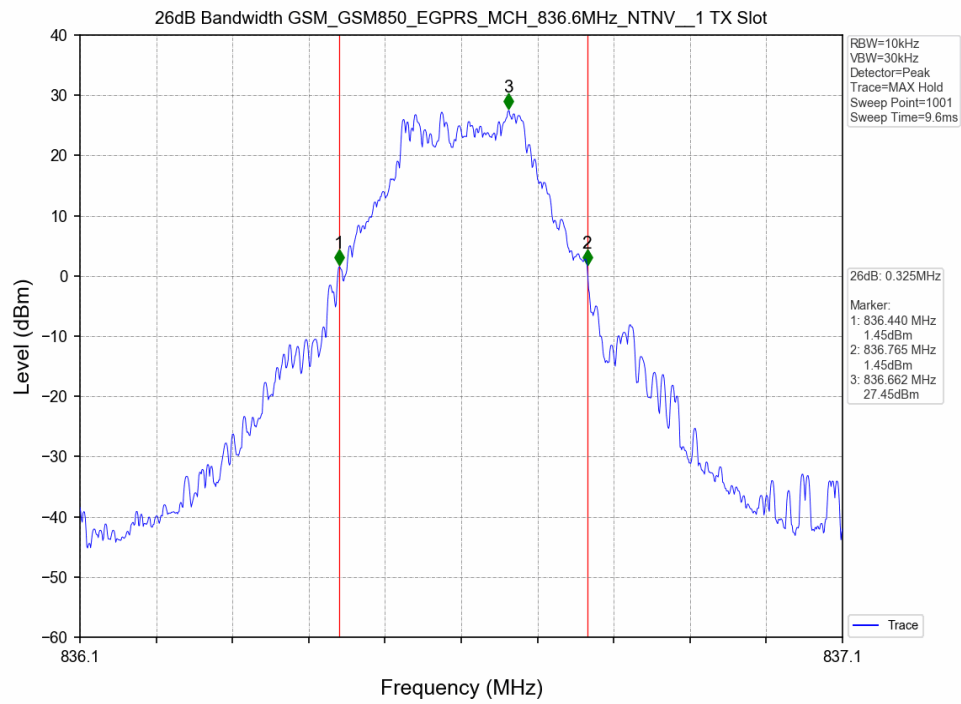






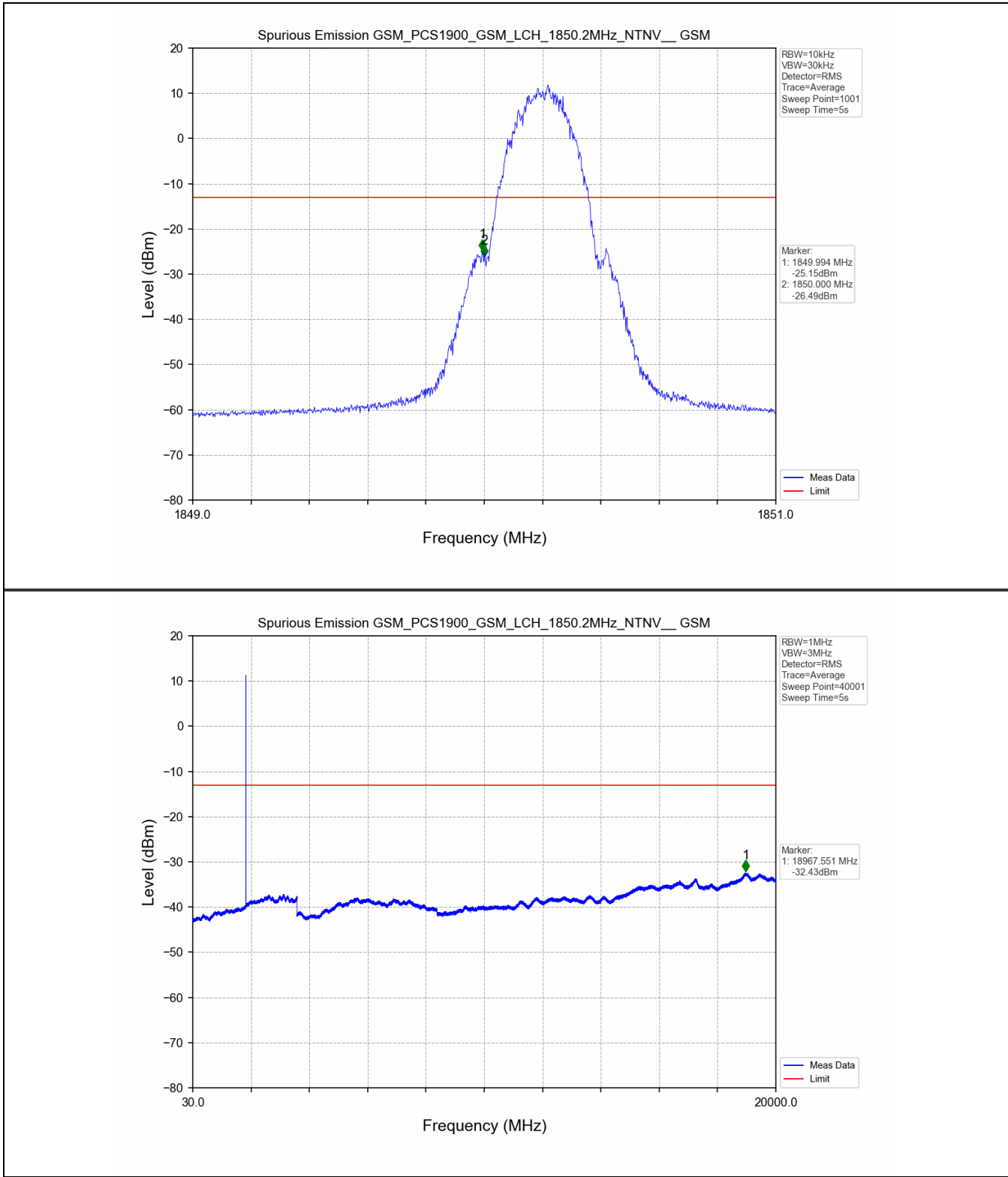


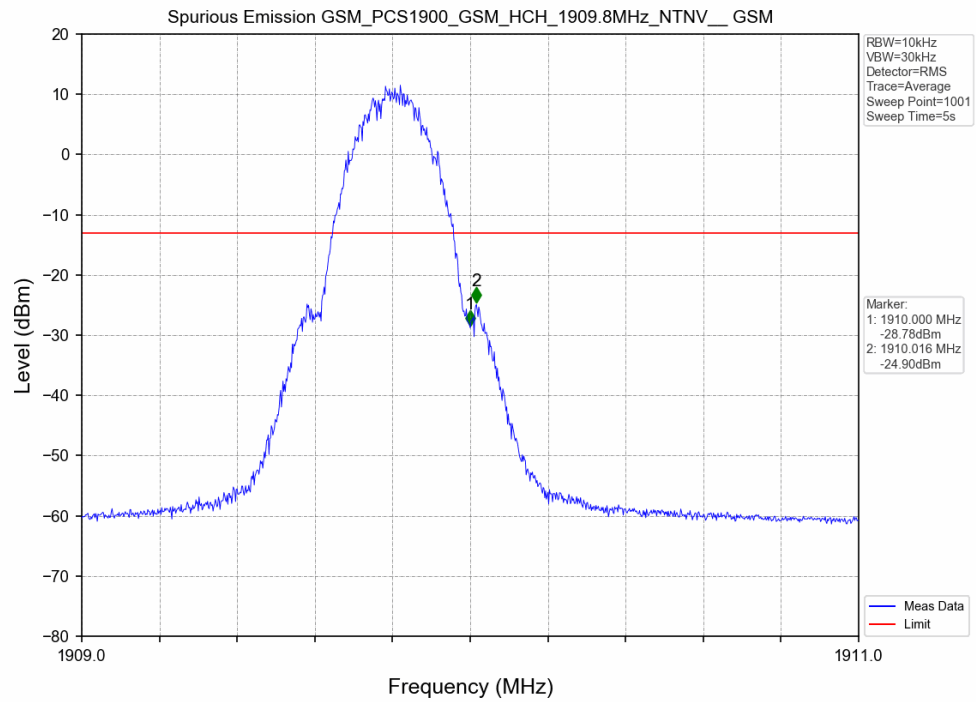
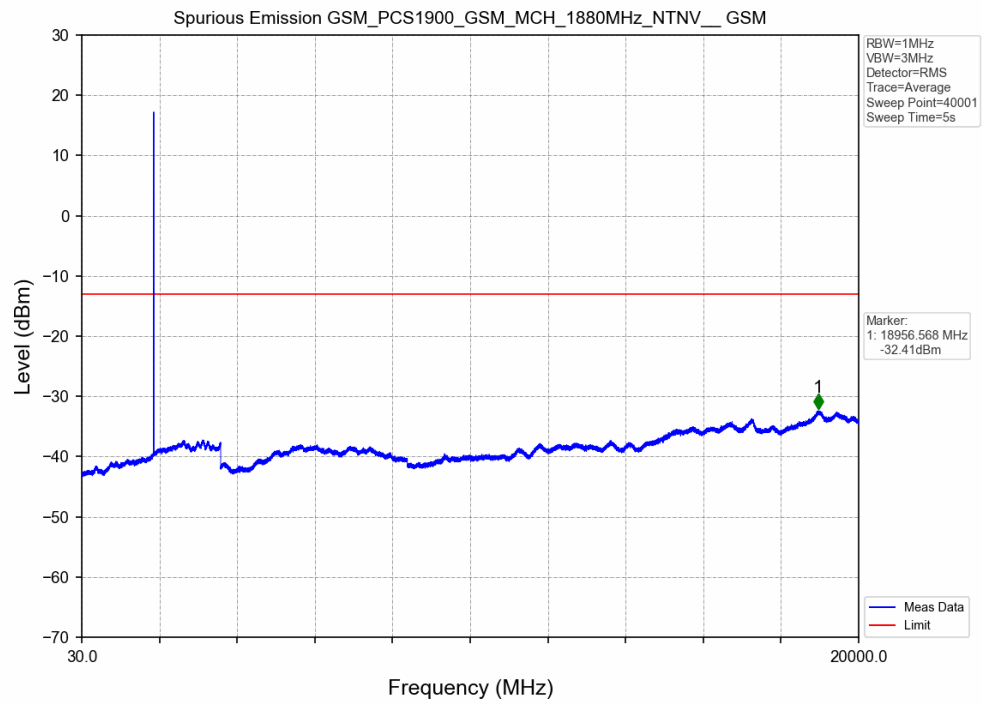


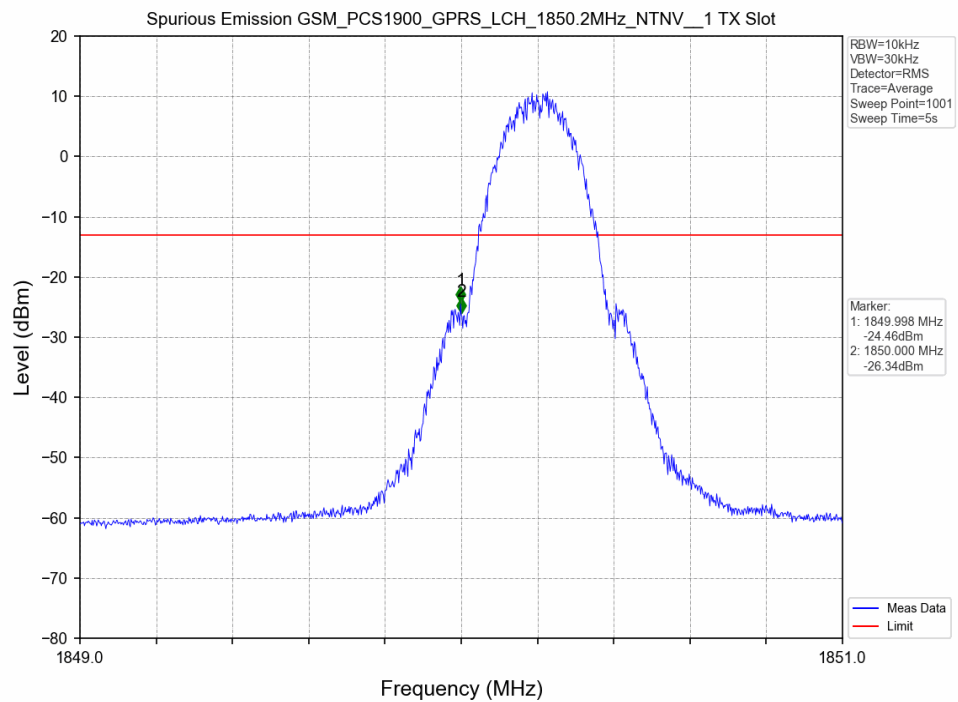
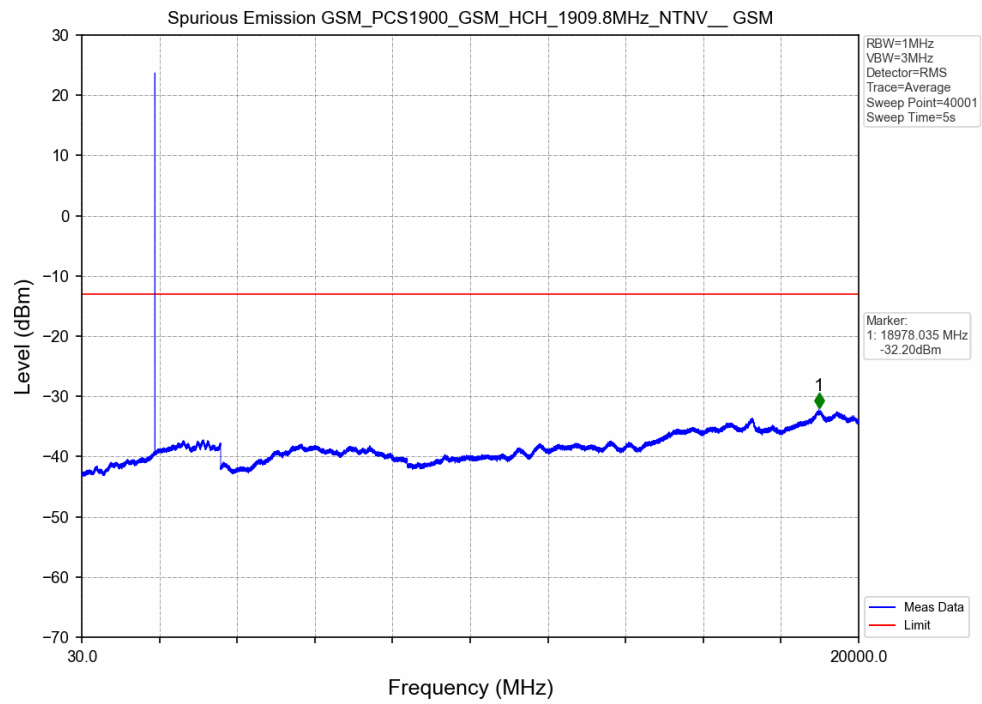


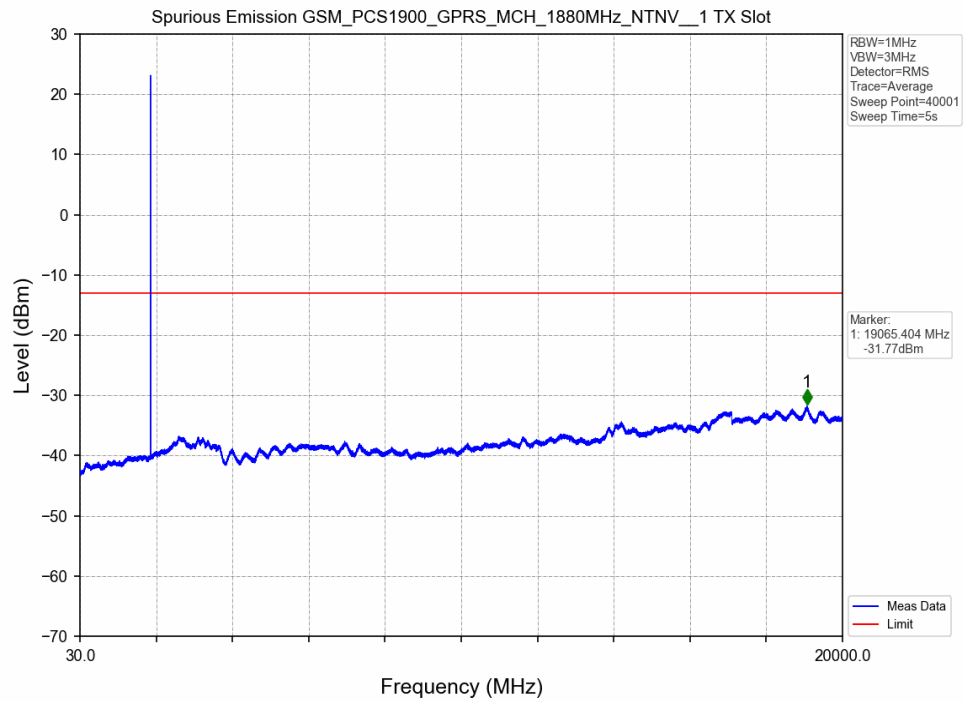
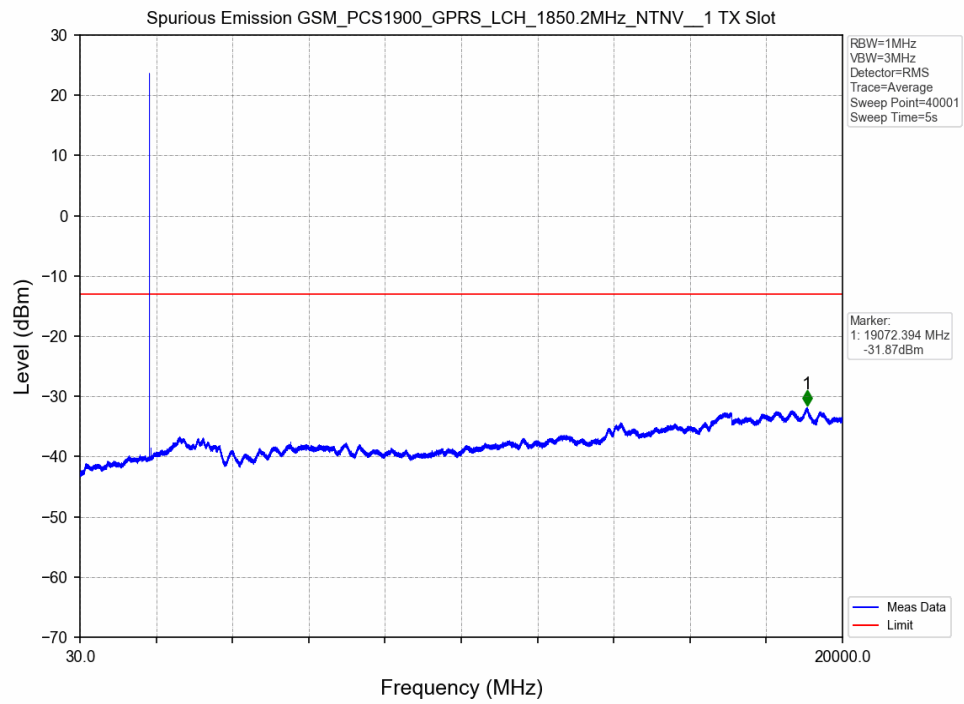
4. Spurious Emission

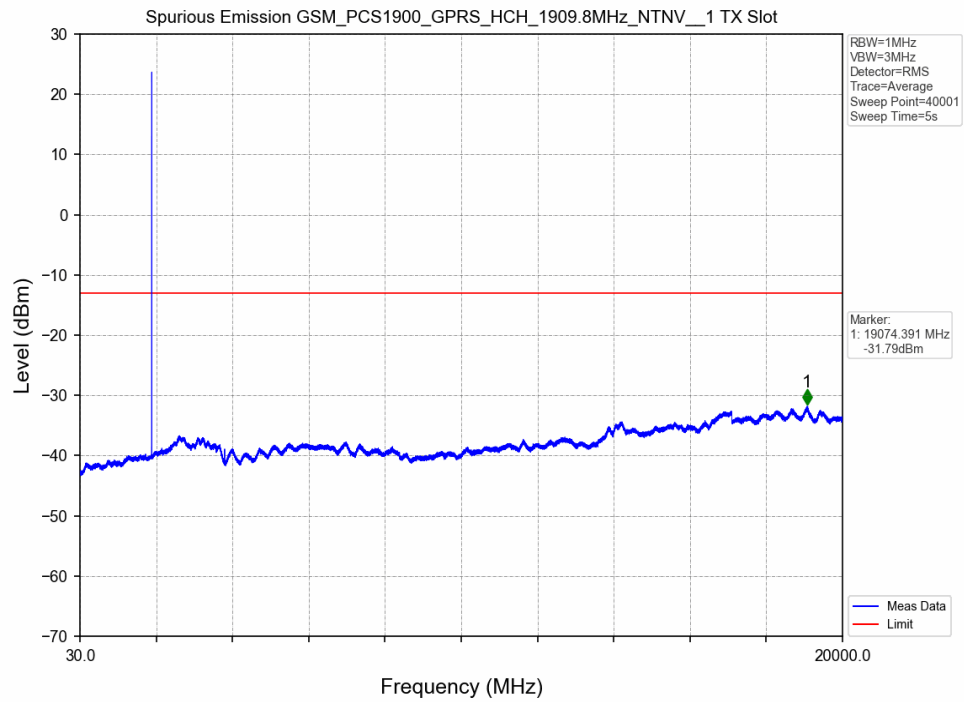
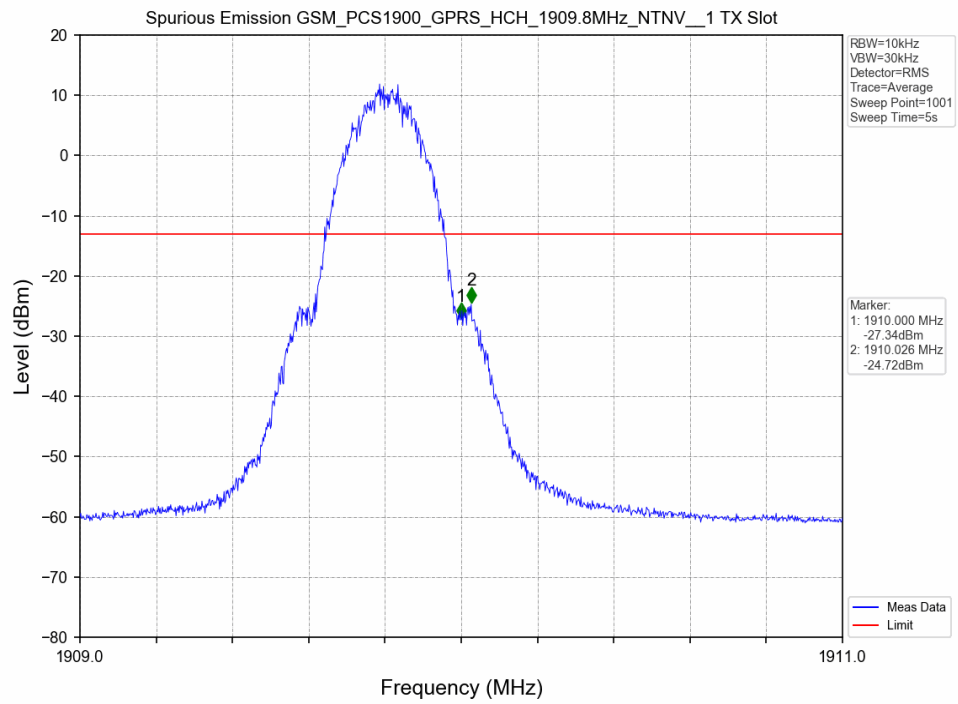
4.1 Test Graph

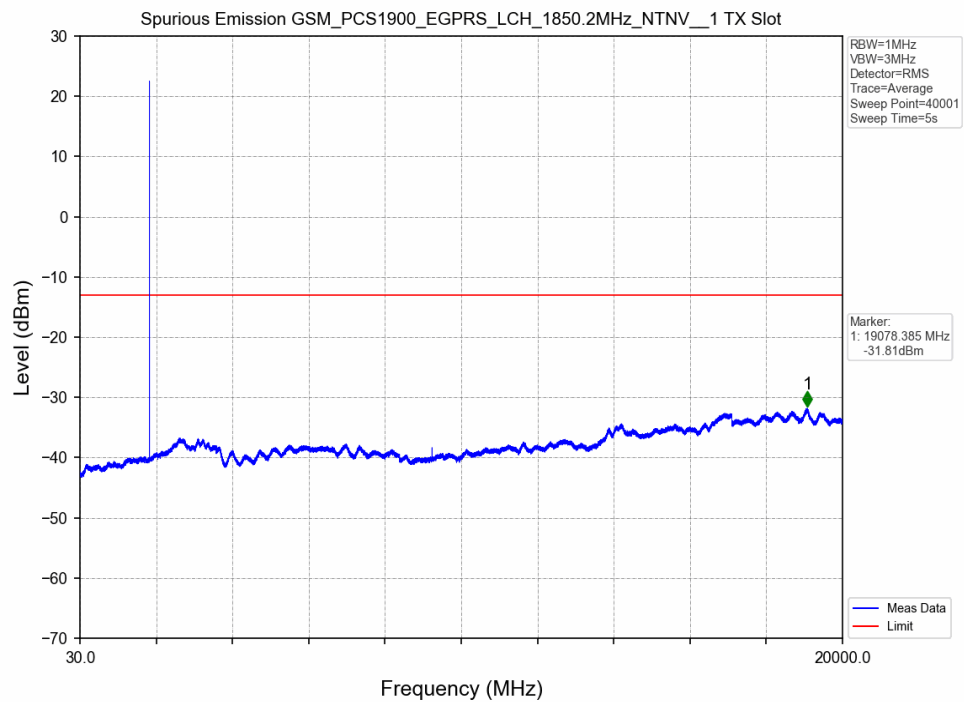
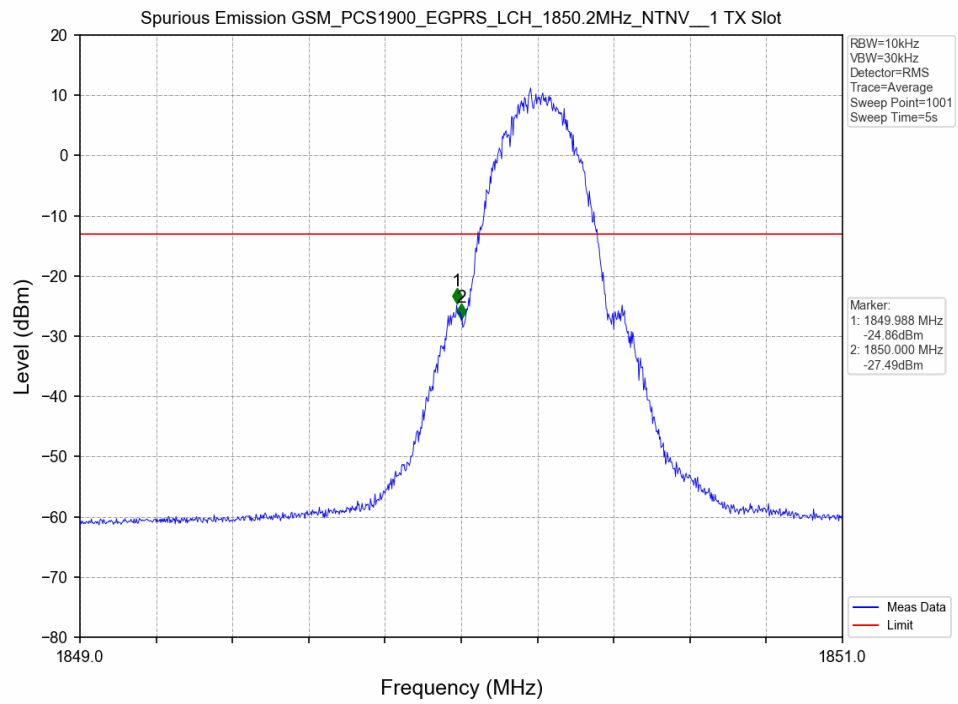


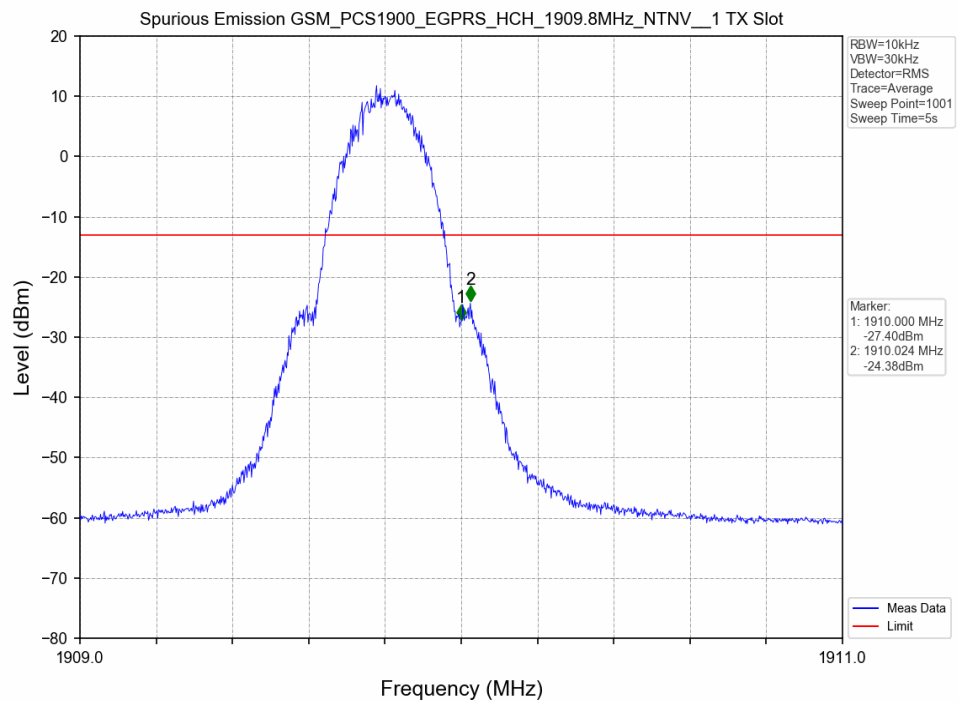
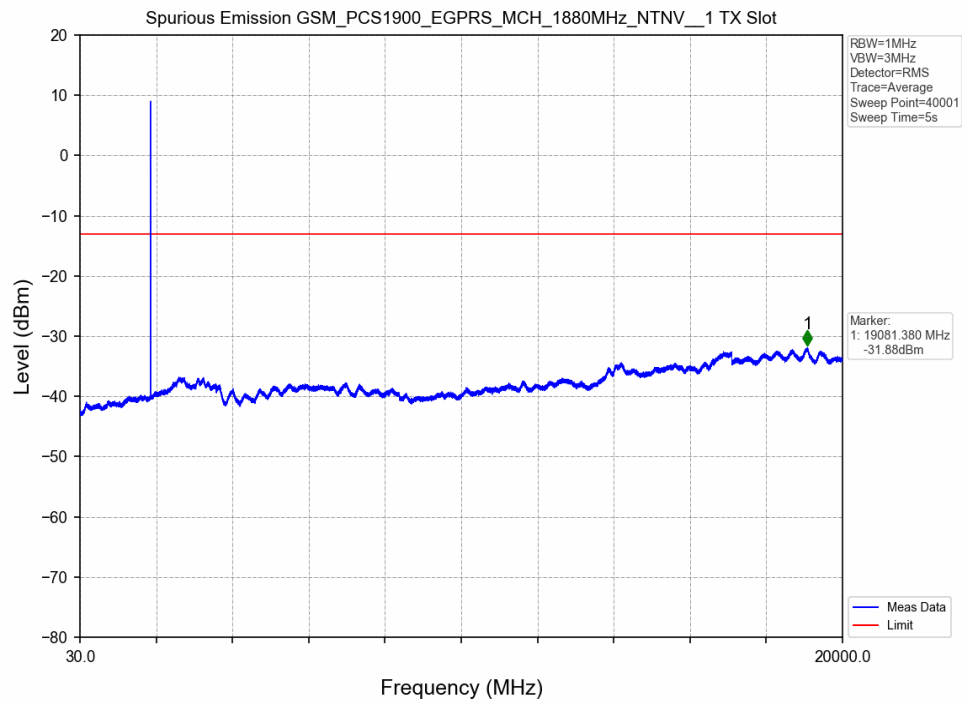


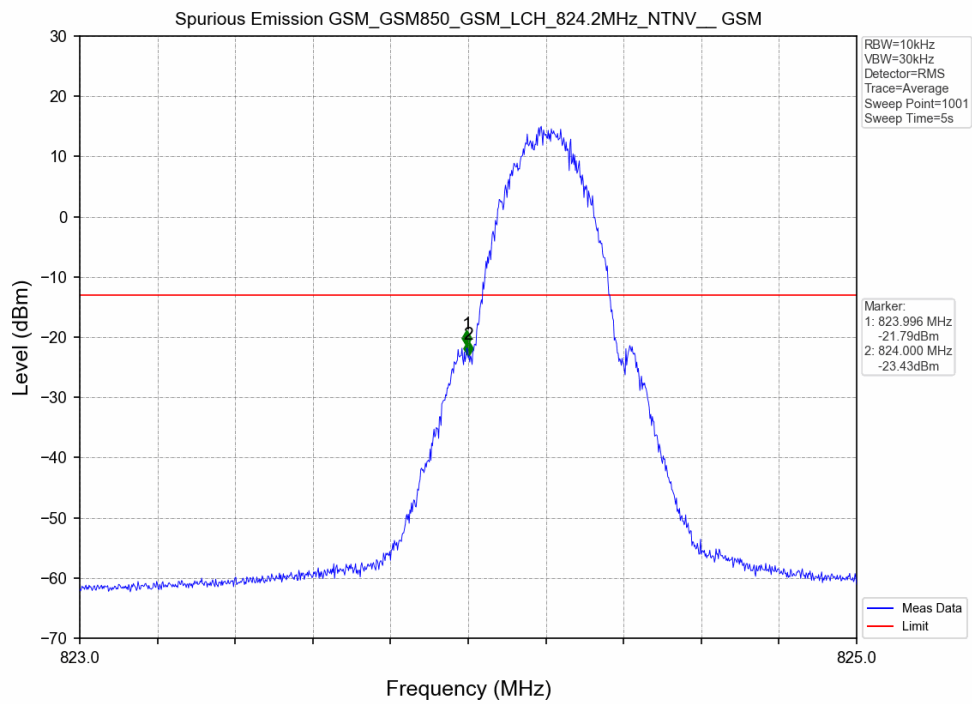
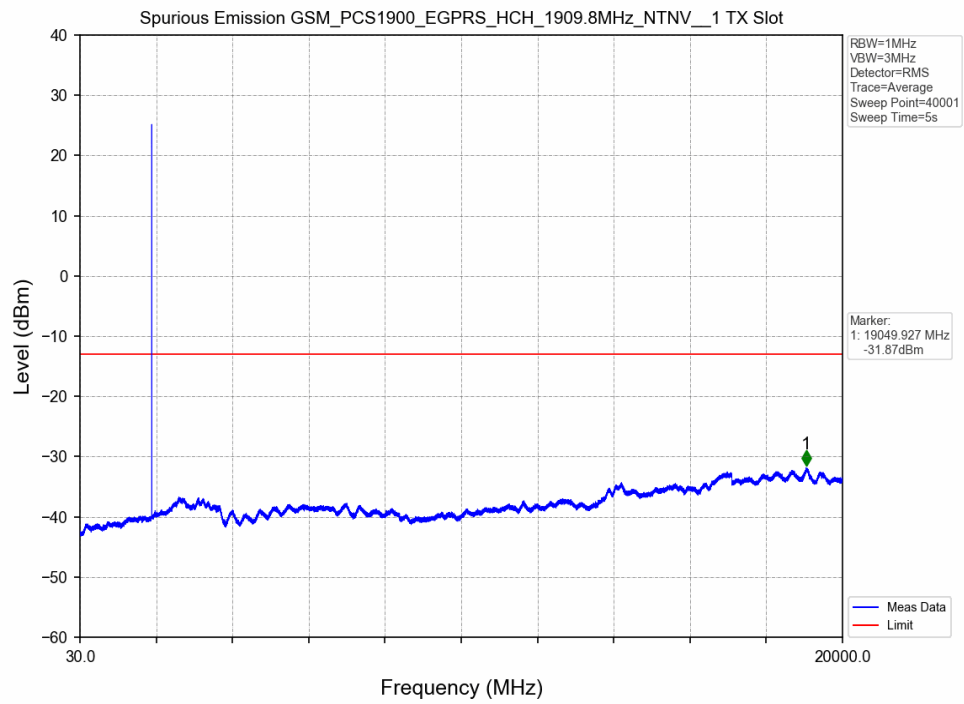


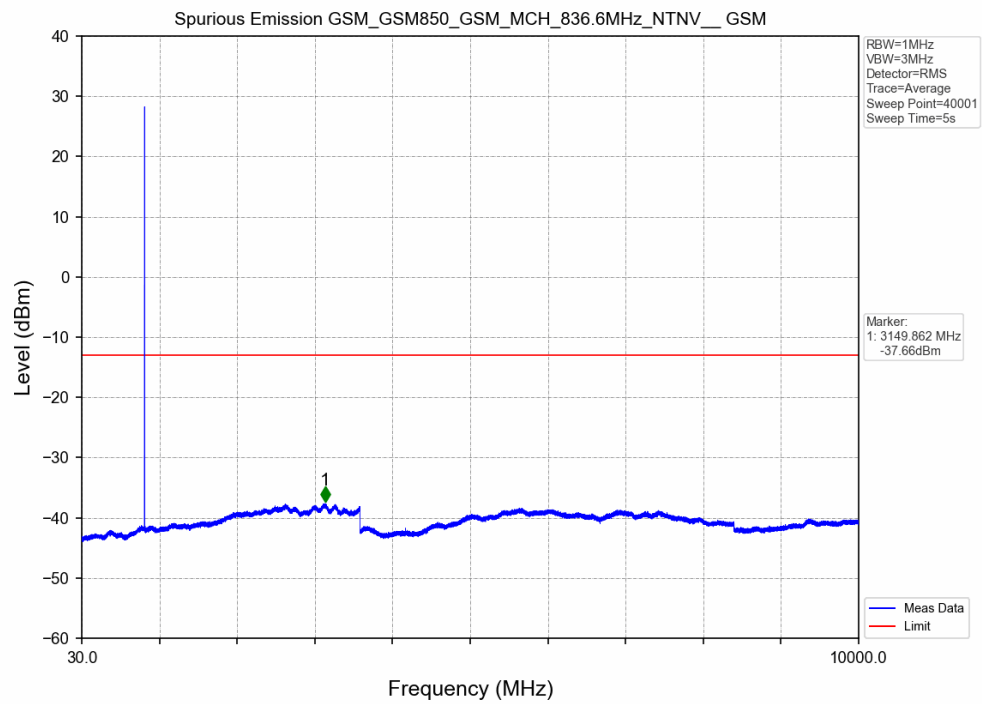
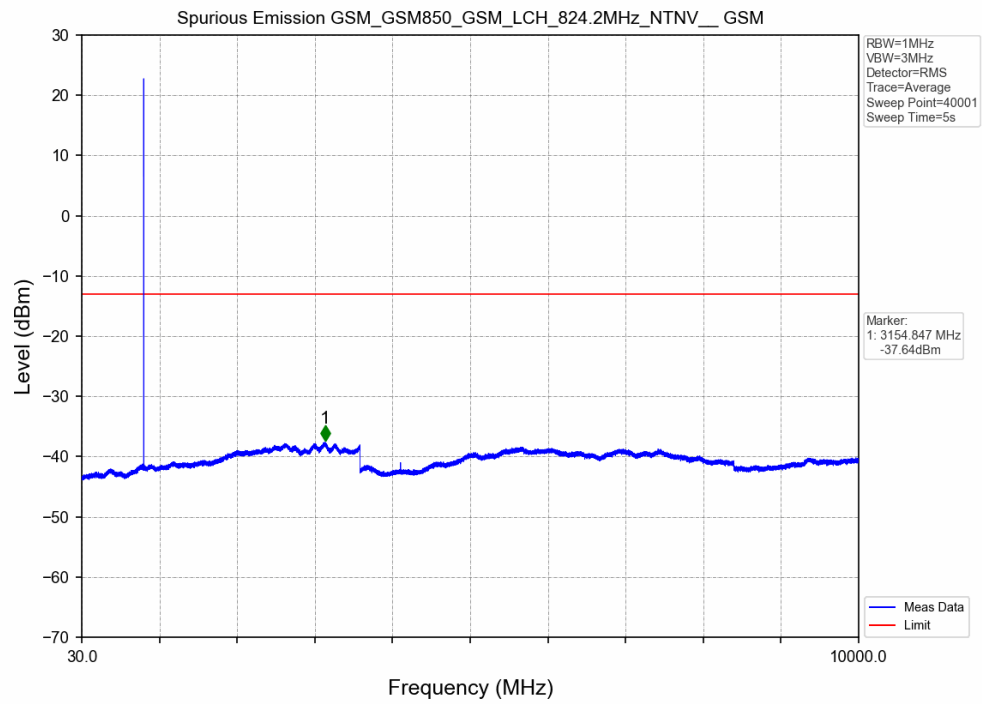


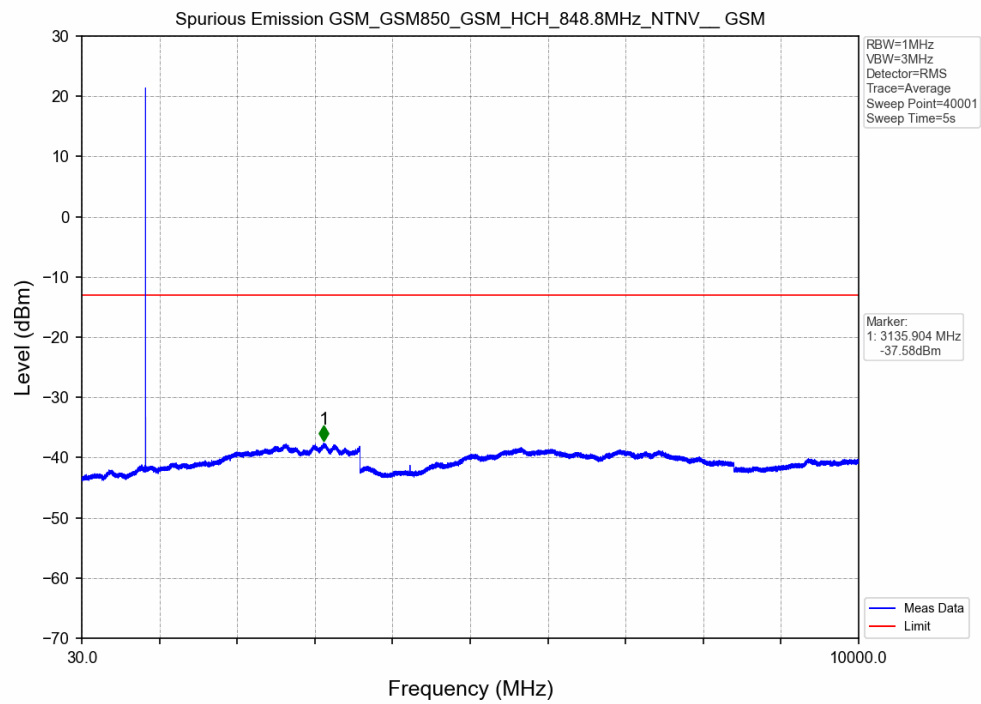
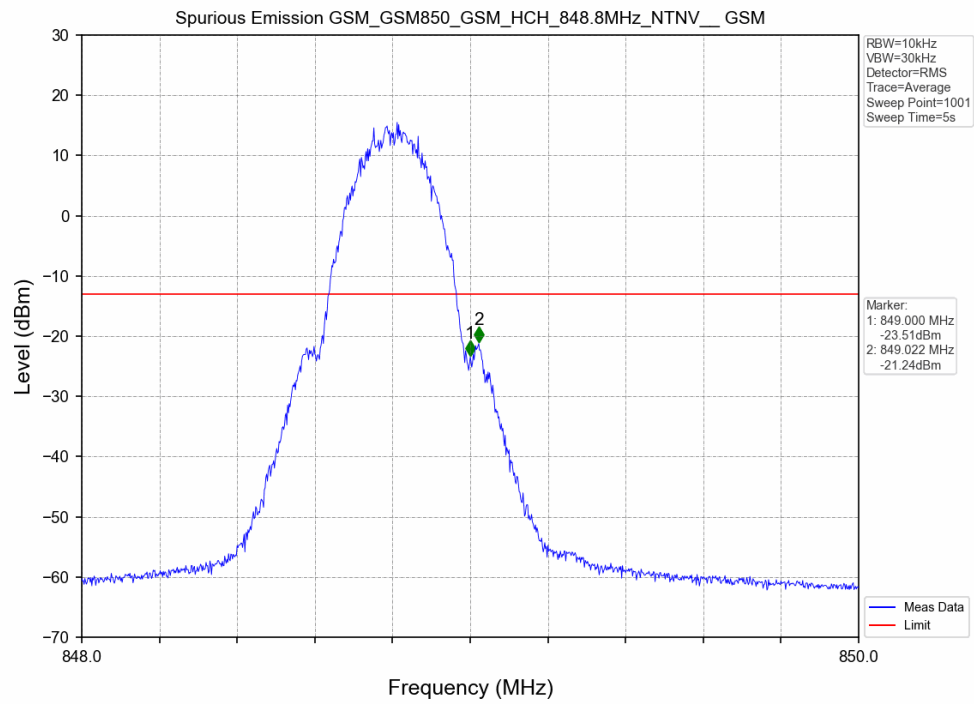


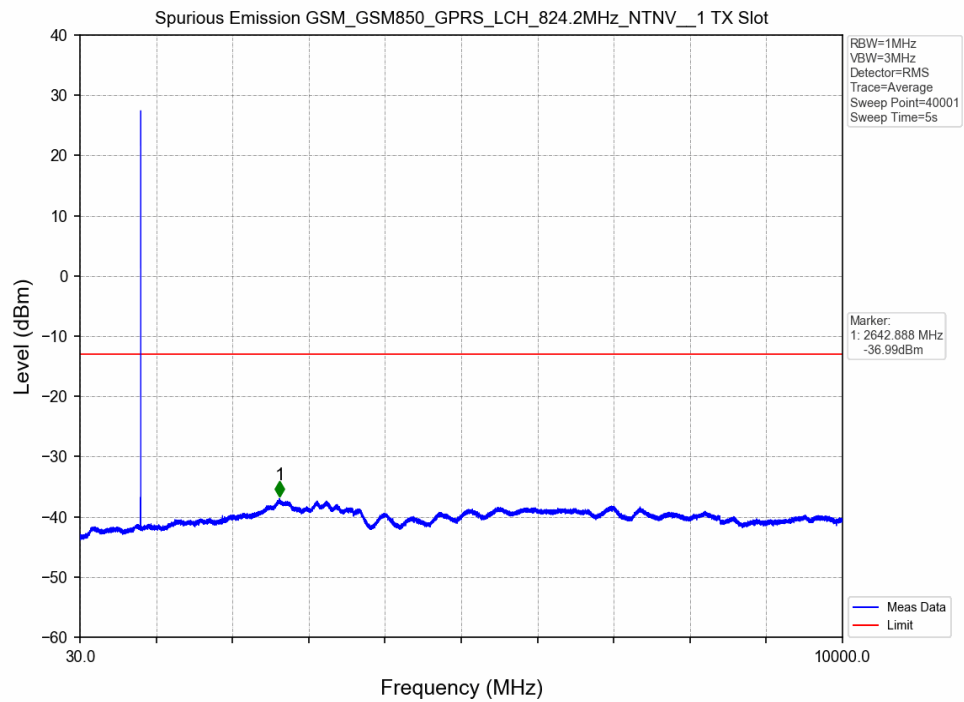
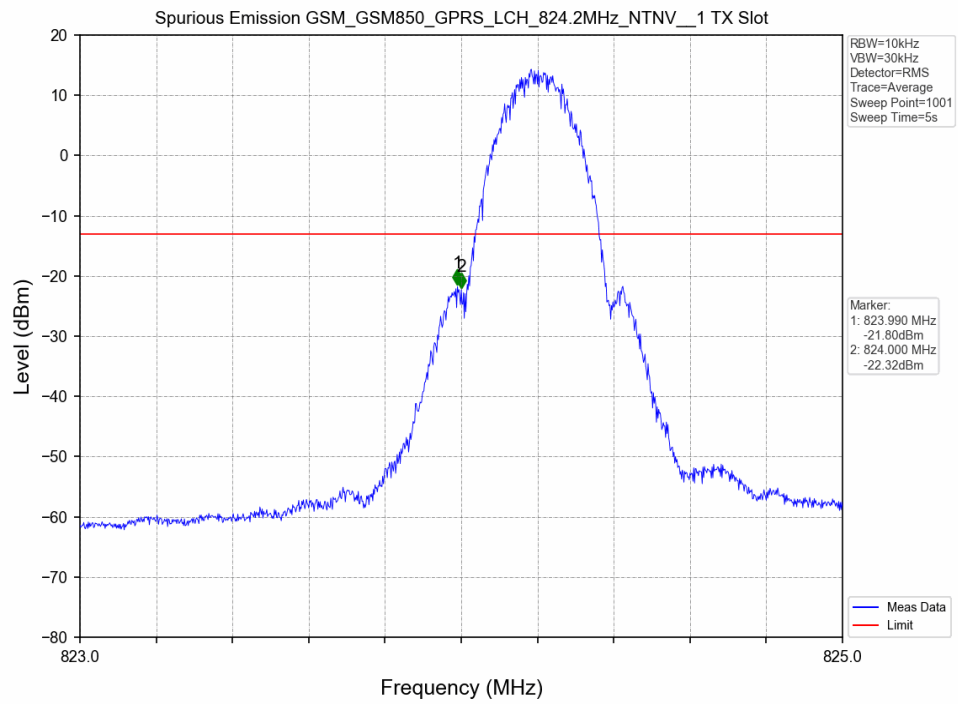


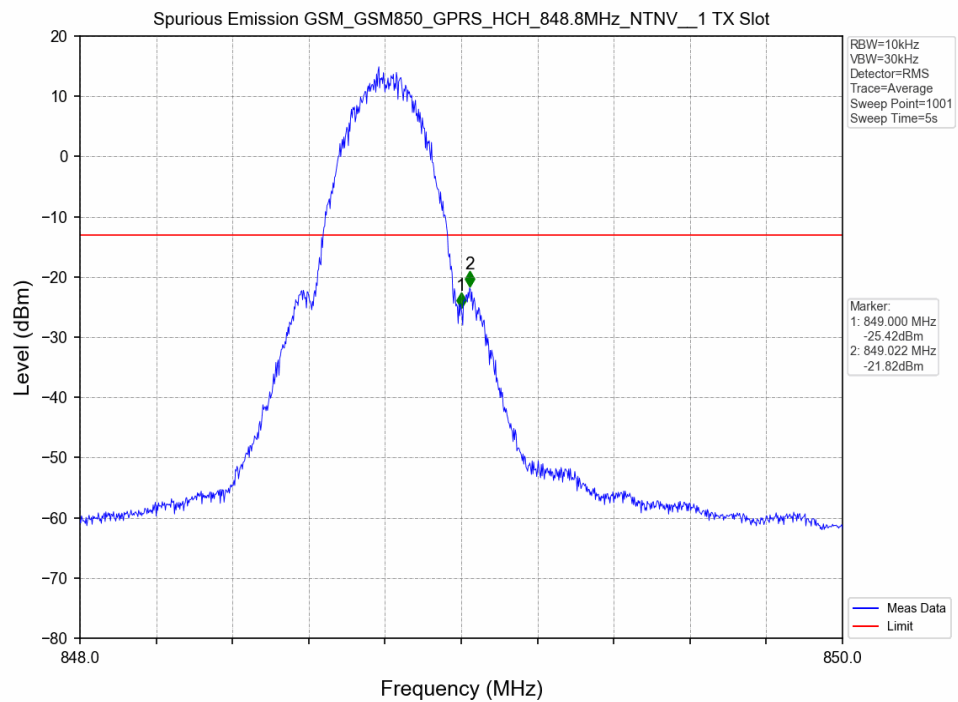
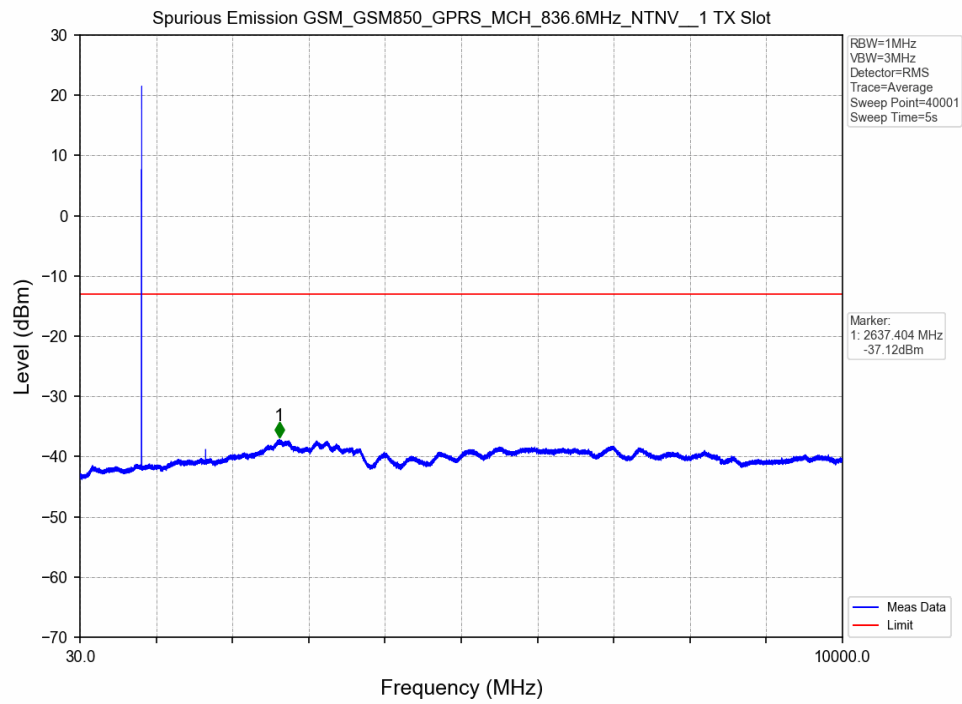


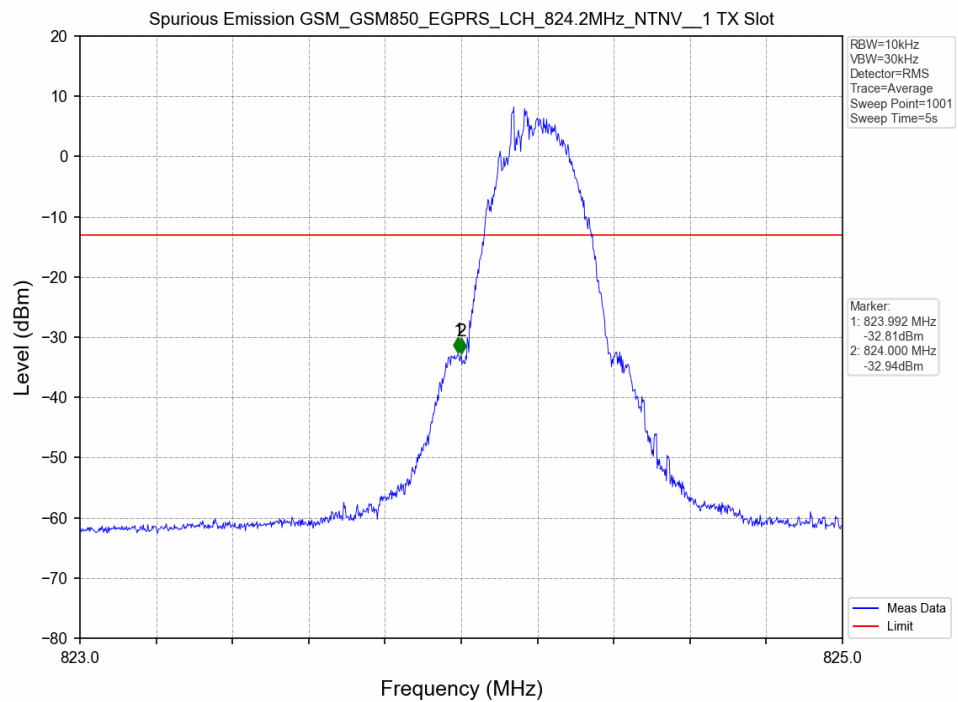
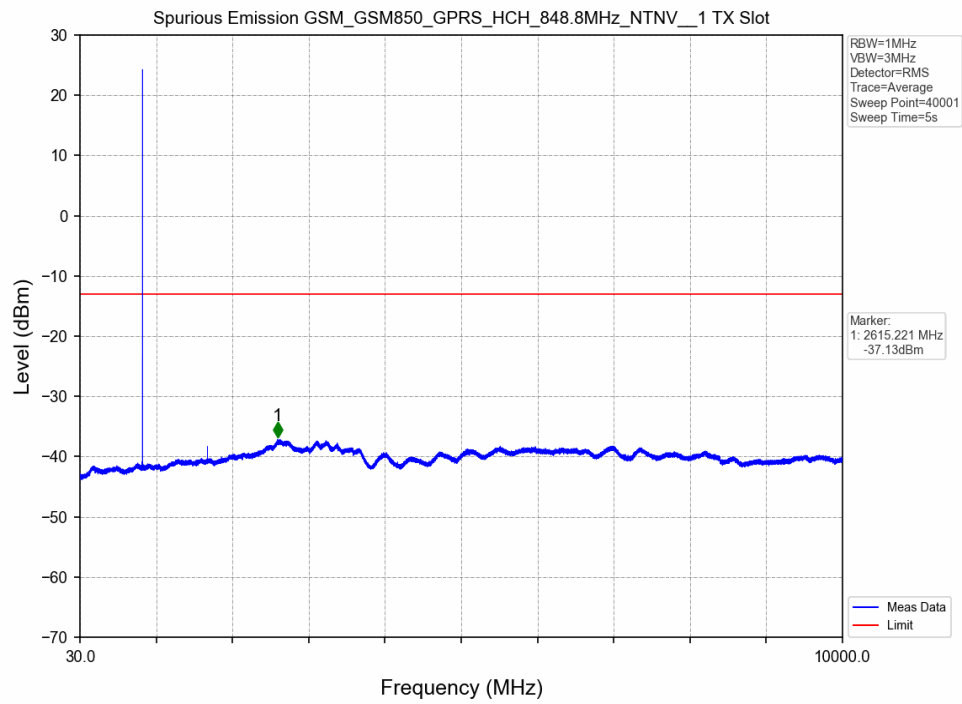


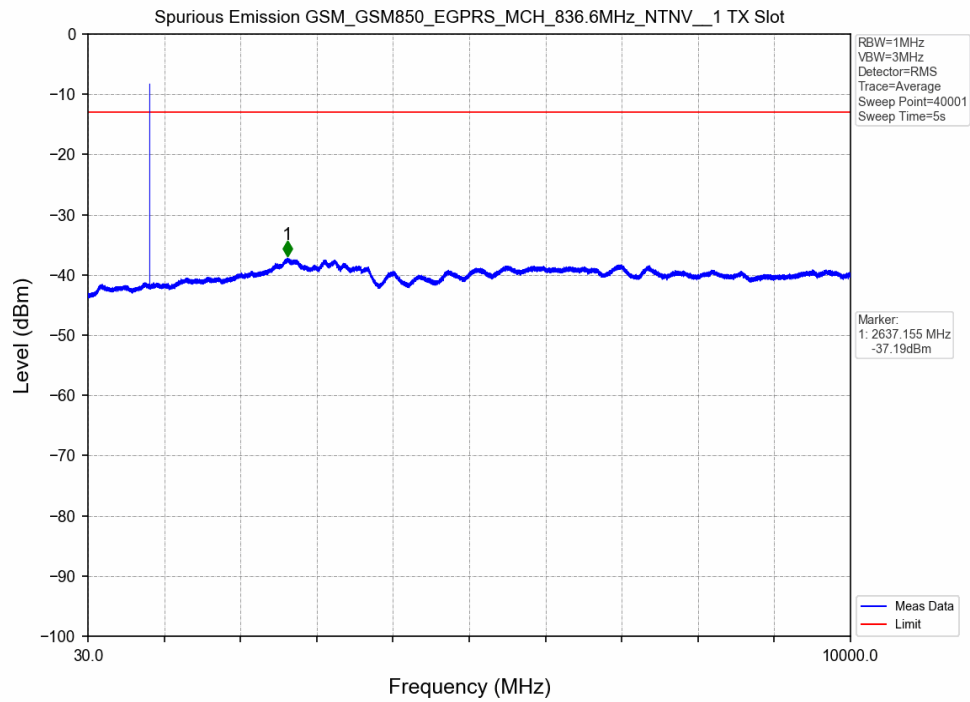
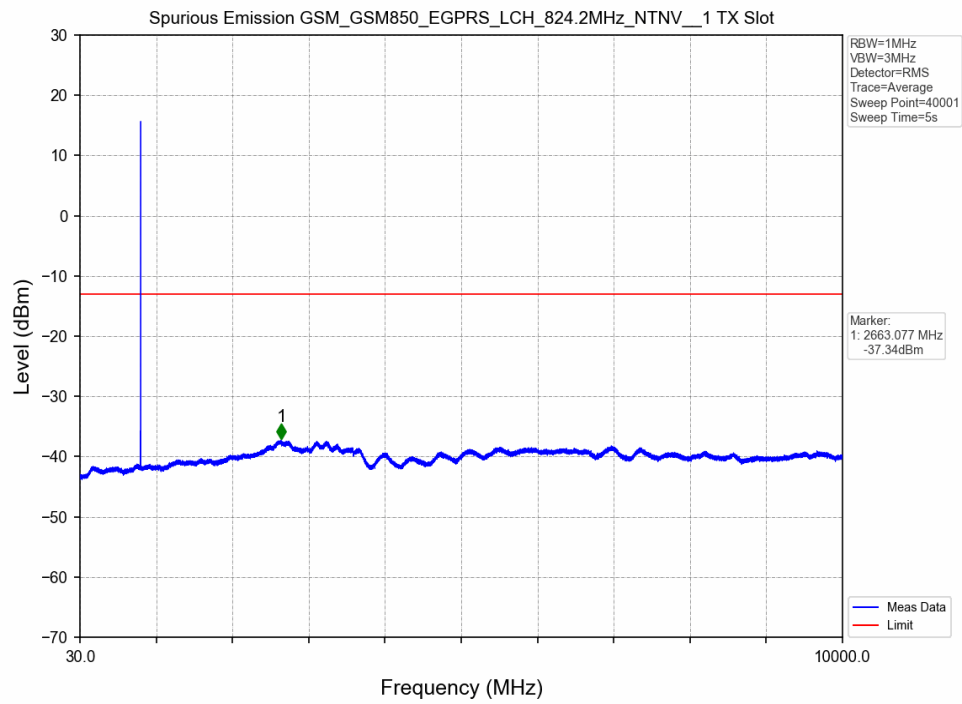


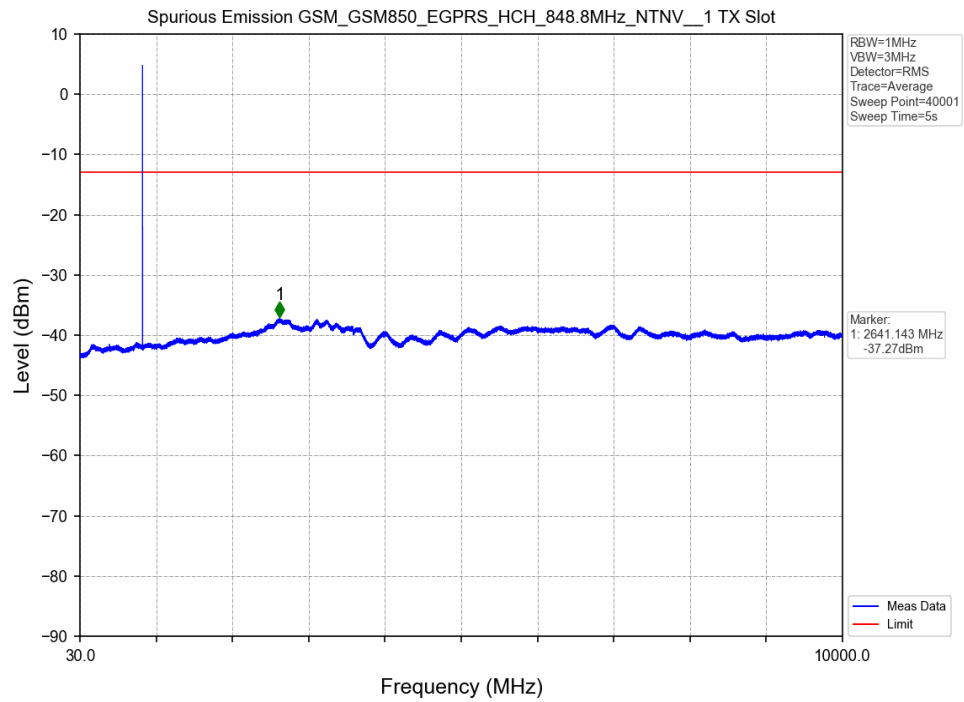
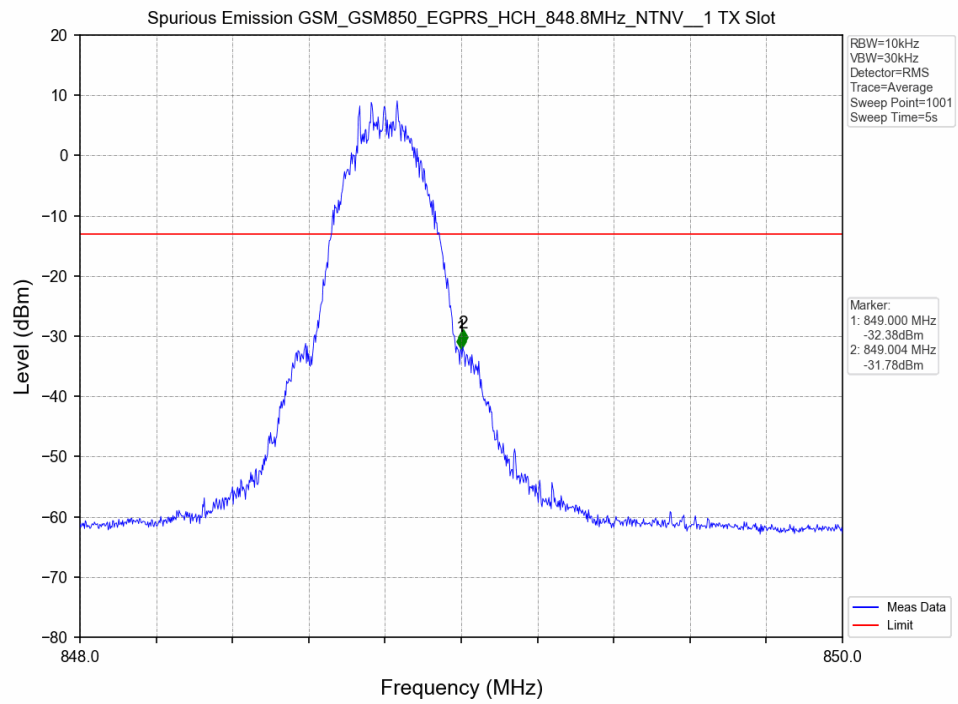












5. Frequency stability

5.1 Test Result

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		
GSM	NT	LV	-16.4335	-13.4955	-14.3672	-0.0089	-0.0072	-0.0075	2.50	PASS
		NV	-16.9824	-14.1735	-13.2049	-0.0092	-0.0075	-0.0069	2.50	PASS
		HV	-15.9492	-14.1089	-13.6246	-0.0086	-0.0075	-0.0071	2.50	PASS
EGPRS	NT	LV	-10.6866	-15.2389	-5.7469	-0.0058	-0.0081	-0.0030	2.50	PASS
		NV	-7.4903	-9.0400	-9.3306	-0.0040	-0.0048	-0.0049	2.50	PASS
		HV	-12.8820	5.5532	7.7809	-0.0070	0.0030	0.0041	2.50	PASS
GPRS	NT	LV	2.5183	-4.8106	-0.6134	0.0014	-0.0026	-0.0003	2.50	PASS
		NV	5.6177	-5.1012	-3.4546	0.0030	-0.0027	-0.0018	2.50	PASS
		HV	-1.0009	2.5183	12.2040	-0.0005	0.0013	0.0064	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		
GSM	NV	-30.00	-15.2066	-12.3978	-15.9169	-0.0082	-0.0066	-0.0083	2.50	PASS
		-20.00	-16.3689	-15.5295	-14.3349	-0.0088	-0.0083	-0.0075	2.50	PASS
		-10.00	-14.1735	-12.5592	-11.8812	-0.0077	-0.0067	-0.0062	2.50	PASS
		0.00	-15.9815	-14.4964	-13.1726	-0.0086	-0.0077	-0.0069	2.50	PASS
		10.00	-16.4335	-12.1072	-14.2381	-0.0089	-0.0064	-0.0075	2.50	PASS
		20.00	-14.6578	-11.8489	-14.6255	-0.0079	-0.0063	-0.0077	2.50	PASS
		30.00	-14.7869	-12.7206	-13.3341	-0.0080	-0.0068	-0.0070	2.50	PASS
		40.00	-14.0443	-13.7538	-12.8498	-0.0076	-0.0073	-0.0067	2.50	PASS
		50.00	-15.1421	-13.1403	-12.5269	-0.0082	-0.0070	-0.0066	2.50	PASS
EGPRS	NV	-30.00	-12.3009	-23.1167	5.7469	-0.0066	-0.0123	0.0030	2.50	PASS
		-20.00	-7.7486	-8.4266	3.3254	-0.0042	-0.0045	0.0017	2.50	PASS
		-10.00	5.8760	-10.9126	-13.3018	0.0032	-0.0058	-0.0070	2.50	PASS
		0.00	1.3560	2.5506	-5.1657	0.0007	0.0014	-0.0027	2.50	PASS
		10.00	18.3384	13.6246	-17.2084	0.0099	0.0072	-0.0090	2.50	PASS
		20.00	-15.8846	3.4223	0.5811	-0.0086	0.0018	0.0003	2.50	PASS
		30.00	-9.4598	-15.9492	3.3254	-0.0051	-0.0085	0.0017	2.50	PASS
		40.00	-4.1649	-1.8726	-4.1972	-0.0023	-0.0010	-0.0022	2.50	PASS
		50.00	-1.6466	-21.7930	9.9763	-0.0009	-0.0116	0.0052	2.50	PASS
GPRS	NV	-30.00	-9.5566	-1.8403	4.1326	-0.0052	-0.0010	0.0022	2.50	PASS
		-20.00	-1.3560	4.8752	-1.3560	-0.0007	0.0026	-0.0007	2.50	PASS
		-10.00	3.7129	1.1946	-8.2652	0.0020	0.0006	-0.0043	2.50	PASS
		0.00	6.2957	11.0418	7.6517	0.0034	0.0059	0.0040	2.50	PASS
		10.00	16.2075	-1.6143	6.5217	0.0088	-0.0009	0.0034	2.50	PASS

		20.00	-4.7460	-4.1003	3.7129	-0.0026	-0.0022	0.0019	2.50	PASS
		30.00	-5.3917	-1.3560	-13.0112	-0.0029	-0.0007	-0.0068	2.50	PASS
		40.00	-7.1029	-4.6169	-12.5592	-0.0038	-0.0025	-0.0066	2.50	PASS
		50.00	4.4877	-8.8786	0.3874	0.0024	-0.0047	0.0002	2.50	PASS

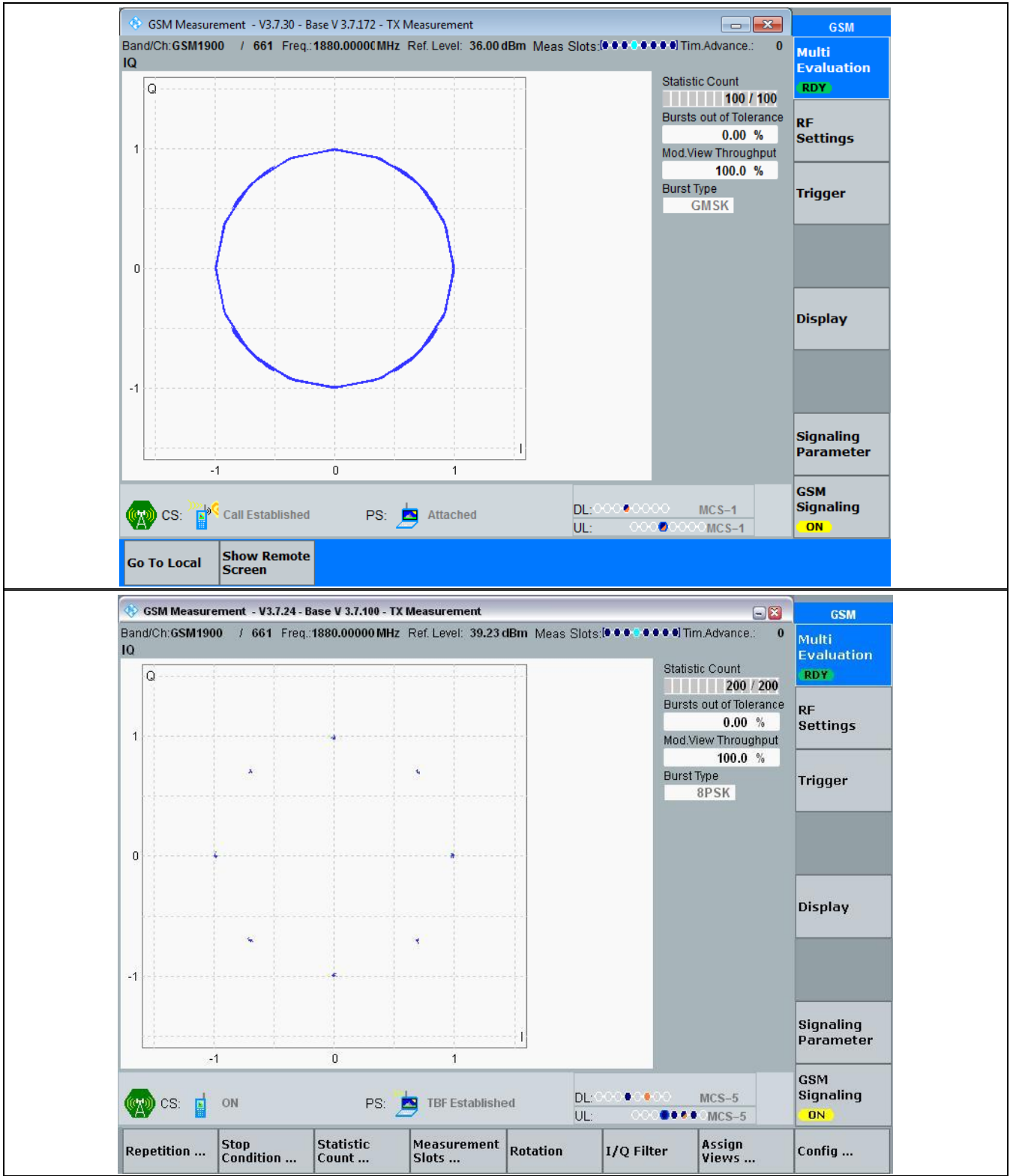
Test Band: GSM850 (Frequency Error VS. Voltage)										
Test Mode	Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
GSM	NT	LV	-0.0646	4.6814	0.5489	-0.0001	0.0056	0.0006	2.50	PASS
		NV	0.2906	1.2914	-0.4197	0.0004	0.0015	-0.0005	2.50	PASS
		HV	0.4197	2.3246	1.7757	0.0005	0.0028	0.0021	2.50	PASS
EGPRS	NT	LV	-9.0078	-5.2303	-6.9737	-0.0109	-0.0063	-0.0082	2.50	PASS
		NV	0.6457	-7.3612	-7.8777	0.0008	-0.0088	-0.0093	2.50	PASS
		HV	-20.2755	-5.5532	-6.3926	-0.0246	-0.0066	-0.0075	2.50	PASS
GPRS	NT	LV	-6.0697	-1.6789	-2.5183	-0.0074	-0.0020	-0.0030	2.50	PASS
		NV	-1.0331	2.3569	3.0672	-0.0013	0.0028	0.0036	2.50	PASS
		HV	-3.1963	6.3603	0.6780	-0.0039	0.0076	0.0008	2.50	PASS

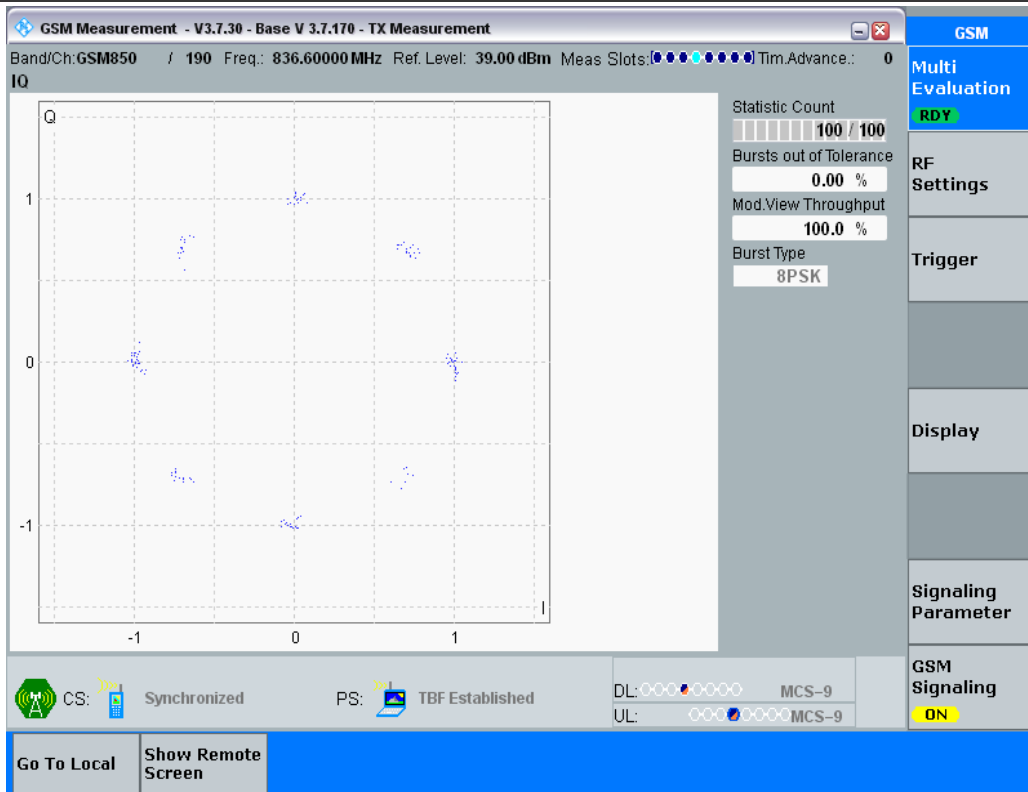
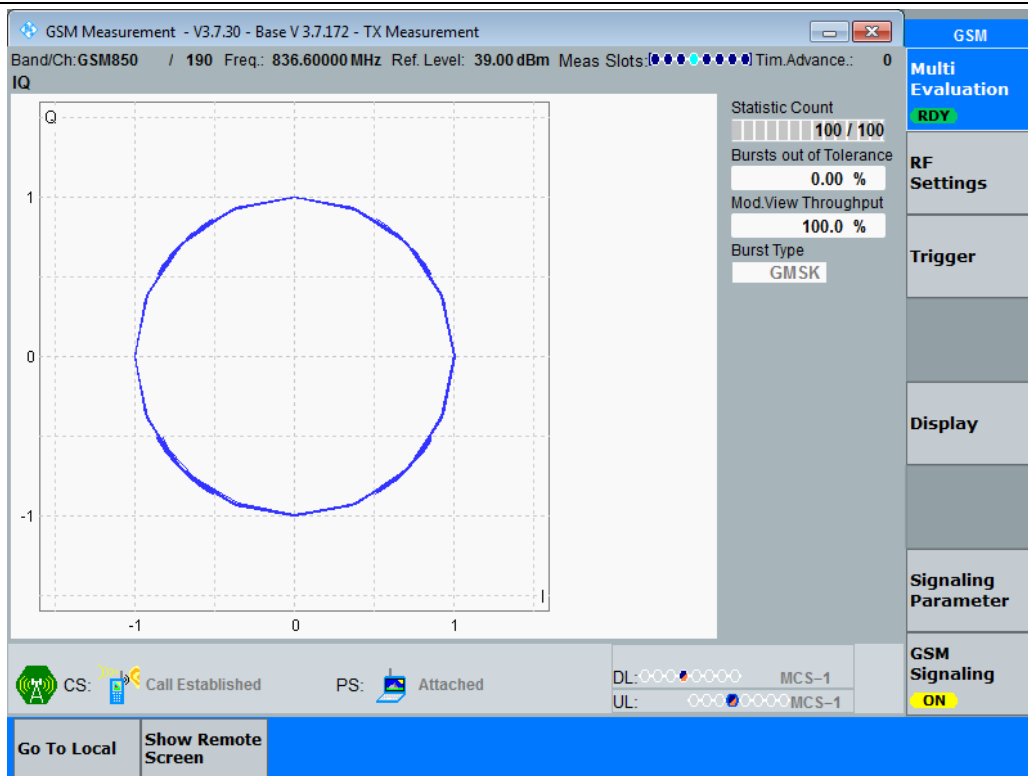
Test Band: GSM850 (Frequency Error VS. Temperature)										
Test Mode	Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
GSM	NV	-30.00	0.9040	1.4206	1.9694	0.0011	0.0017	0.0023	2.50	PASS
		-20.00	1.3560	0.6134	0.3229	0.0016	0.0007	0.0004	2.50	PASS
		-10.00	1.8726	2.1309	1.6789	0.0023	0.0025	0.0020	2.50	PASS
		0.00	0.9363	0.9363	2.1954	0.0011	0.0011	0.0026	2.50	PASS
		10.00	0.8717	-0.3229	-0.5166	0.0011	-0.0004	-0.0006	2.50	PASS
		20.00	3.5192	0.0646	1.0977	0.0043	0.0001	0.0013	2.50	PASS
		30.00	2.4537	2.1632	1.7434	0.0030	0.0026	0.0021	2.50	PASS
		40.00	3.7452	1.4529	1.7112	0.0045	0.0017	0.0020	2.50	PASS
		50.00	2.7120	0.8394	0.4843	0.0033	0.0010	0.0006	2.50	PASS
EGPRS	NV	-30.00	-3.0672	-7.1352	-7.7163	-0.0037	-0.0085	-0.0091	2.50	PASS
		-20.00	0.6134	-5.9729	-6.0052	0.0007	-0.0071	-0.0071	2.50	PASS
		-10.00	-3.6483	-5.8115	-4.0034	-0.0044	-0.0069	-0.0047	2.50	PASS
		0.00	4.4554	-5.8115	-4.8106	0.0054	-0.0069	-0.0057	2.50	PASS
		10.00	-2.3569	-6.5863	-5.0043	-0.0029	-0.0079	-0.0059	2.50	PASS
		20.00	-7.6517	-6.3603	-4.5200	-0.0093	-0.0076	-0.0053	2.50	PASS
		30.00	3.6806	-6.1343	-5.2303	0.0045	-0.0073	-0.0062	2.50	PASS
		40.00	-4.0680	-5.3595	-4.0034	-0.0049	-0.0064	-0.0047	2.50	PASS
		50.00	-6.5540	-5.4240	-5.0689	-0.0080	-0.0065	-0.0060	2.50	PASS
GPRS	NV	-30.00	-2.0986	-4.0357	-2.4860	-0.0025	-0.0048	-0.0029	2.50	PASS
		-20.00	-0.6457	3.1640	-4.7783	-0.0008	0.0038	-0.0056	2.50	PASS
		-10.00	-3.9066	-1.2914	0.9040	-0.0047	-0.0015	0.0011	2.50	PASS

		0.00	-4.9720	-1.5174	-1.0009	-0.0060	-0.0018	-0.0012	2.50	PASS
		10.00	-1.1623	1.3883	1.2591	-0.0014	0.0017	0.0015	2.50	PASS
		20.00	-2.0340	2.0017	-0.9363	-0.0025	0.0024	-0.0011	2.50	PASS
		30.00	-1.8403	-0.0323	-4.3909	-0.0022	0.0000	-0.0052	2.50	PASS
		40.00	-0.7103	-0.4843	-1.9049	-0.0009	-0.0006	-0.0022	2.50	PASS
		50.00	-3.5837	2.5183	-5.1334	-0.0043	0.0030	-0.0060	2.50	PASS

6. Modulation Characteristics

6.1 Test Graph





Note: Only record the worst test result.