

1. Effective (Isotropic) Radiated Power Output Data

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		
EGPRS	1 TX Slot	22.73	22.30	21.73	-0.15	2.00	22.58	22.15	21.58	38.45	PASS
	2 TX Slots	22.44	22.15	23.61	-0.15	2.00	22.29	22.00	23.46	38.45	PASS
	3 TX Slots	22.29	21.92	21.65	-0.15	2.00	22.14	21.77	21.50	38.45	PASS
	4 TX Slots	22.09	21.80	21.40	-0.15	2.00	21.94	21.65	21.25	38.45	PASS
GPRS	1 TX Slot	30.93	30.87	30.63	-0.15	2.00	30.78	30.72	30.48	38.45	PASS
	2 TX Slots	29.98	29.97	29.74	-0.15	2.00	29.83	29.82	29.59	38.45	PASS
	3 TX Slots	28.06	28.04	27.81	-0.15	2.00	27.91	27.89	27.66	38.45	PASS
	4 TX Slots	26.86	26.85	26.65	-0.15	2.00	26.71	26.70	26.50	38.45	PASS
GSM	GSM	30.92	30.96	30.74	-0.15	2.00	30.77	30.81	30.59	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. 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	9.4920	11.7198	11.2678	0.0115	0.0140	0.0133	2.50	PASS
		NV	12.2040	10.7189	12.4623	0.0148	0.0128	0.0147	2.50	PASS
		HV	9.3306	9.7503	10.1378	0.0113	0.0117	0.0119	2.50	PASS
GPRS	NT	LV	4.0680	-0.5811	3.2609	0.0049	-0.0007	0.0038	2.50	PASS
		NV	5.4886	0.1614	3.3254	0.0067	0.0002	0.0039	2.50	PASS
		HV	2.0340	-0.3874	7.2643	0.0025	-0.0005	0.0086	2.50	PASS
GSM	NT	LV	8.7495	6.8769	7.5872	0.0106	0.0082	0.0089	2.50	PASS
		NV	10.2992	10.9772	12.2040	0.0125	0.0131	0.0144	2.50	PASS
		HV	10.2346	6.1666	10.4929	0.0124	0.0074	0.0124	2.50	PASS

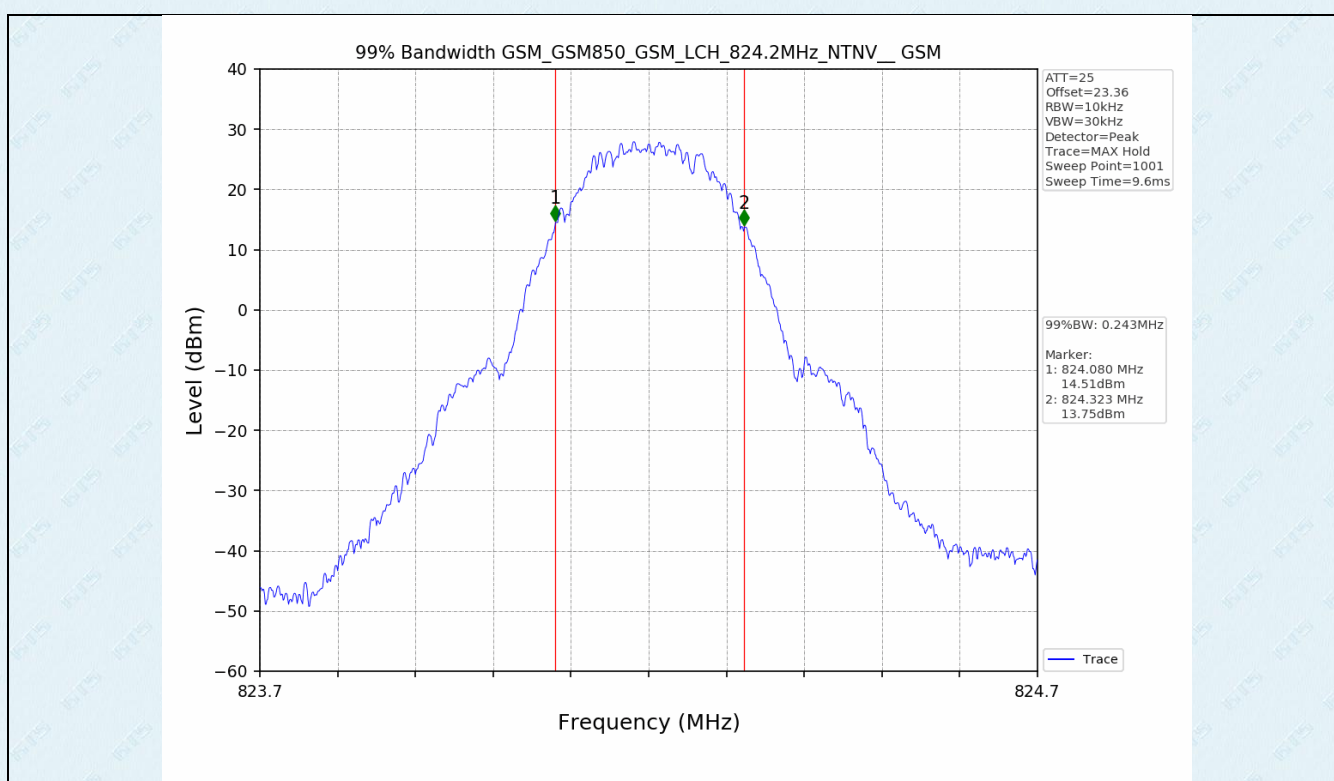
Test Band: GSM850 (Frequency Error VS. Temperature)										
Test Mode	Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
EGPRS	NV	-30.00	6.8769	10.0732	11.3969	0.0083	0.0120	0.0134	2.50	PASS
		-20.00	10.1378	11.7198	18.6289	0.0123	0.0140	0.0219	2.50	PASS
		-10.00	13.0112	13.3986	13.7861	0.0158	0.0160	0.0162	2.50	PASS
		0.00	10.0086	9.1692	15.0775	0.0121	0.0110	0.0178	2.50	PASS
		10.00	9.3306	12.7529	15.3035	0.0113	0.0152	0.0180	2.50	PASS
		20.00	10.7189	9.8149	12.5915	0.0130	0.0117	0.0148	2.50	PASS
		30.00	10.7189	9.2983	13.4955	0.0130	0.0111	0.0159	2.50	PASS
		40.00	11.2032	12.2040	14.7546	0.0136	0.0146	0.0174	2.50	PASS
		50.00	12.2040	7.7809	15.2712	0.0148	0.0093	0.0180	2.50	PASS
GPRS	NV	-30.00	2.3246	-0.7749	7.8132	0.0028	-0.0009	0.0092	2.50	PASS
		-20.00	1.4529	0.8717	6.7155	0.0018	0.0010	0.0079	2.50	PASS
		-10.00	1.0331	0.0646	10.2992	0.0013	0.0001	0.0121	2.50	PASS
		0.00	2.4860	-0.1937	4.8106	0.0030	-0.0002	0.0057	2.50	PASS
		10.00	1.9049	-2.5506	8.4266	0.0023	-0.0030	0.0099	2.50	PASS
		20.00	1.2591	-0.1937	3.8420	0.0015	-0.0002	0.0045	2.50	PASS
		30.00	-0.5811	0.1937	4.1003	-0.0007	0.0002	0.0048	2.50	PASS
		40.00	0.8071	0.4843	3.8097	0.0010	0.0006	0.0045	2.50	PASS
		50.00	1.4529	-0.8071	5.3917	0.0018	-0.0010	0.0064	2.50	PASS
GSM	NV	-30.00	8.7818	8.4589	9.0723	0.0107	0.0101	0.0107	2.50	PASS
		-20.00	8.3620	6.1343	6.3603	0.0101	0.0073	0.0075	2.50	PASS
		-10.00	14.0443	6.4895	10.0732	0.0170	0.0078	0.0119	2.50	PASS
		0.00	8.2975	6.9092	11.2678	0.0101	0.0083	0.0133	2.50	PASS
		10.00	9.7826	10.2346	11.4615	0.0119	0.0122	0.0135	2.50	PASS
		20.00	9.0400	4.8106	9.9118	0.0110	0.0058	0.0117	2.50	PASS
		30.00	9.0723	6.4895	13.9152	0.0110	0.0078	0.0164	2.50	PASS
		40.00	8.0069	5.4563	12.3009	0.0097	0.0065	0.0145	2.50	PASS
		50.00	8.6203	8.1683	11.3646	0.0105	0.0098	0.0134	2.50	PASS

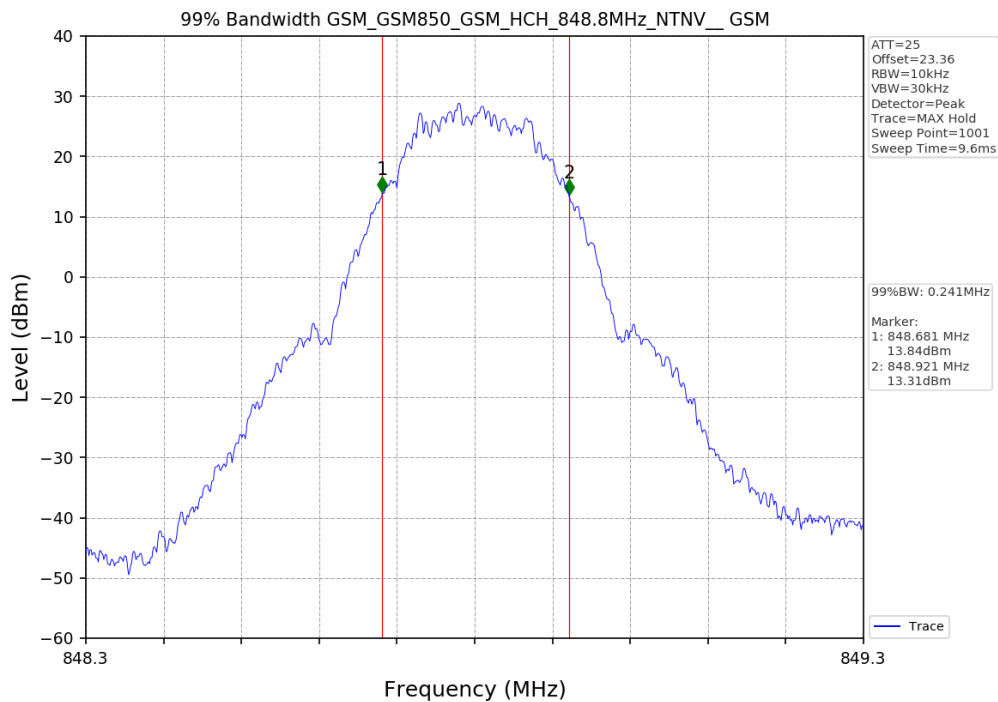
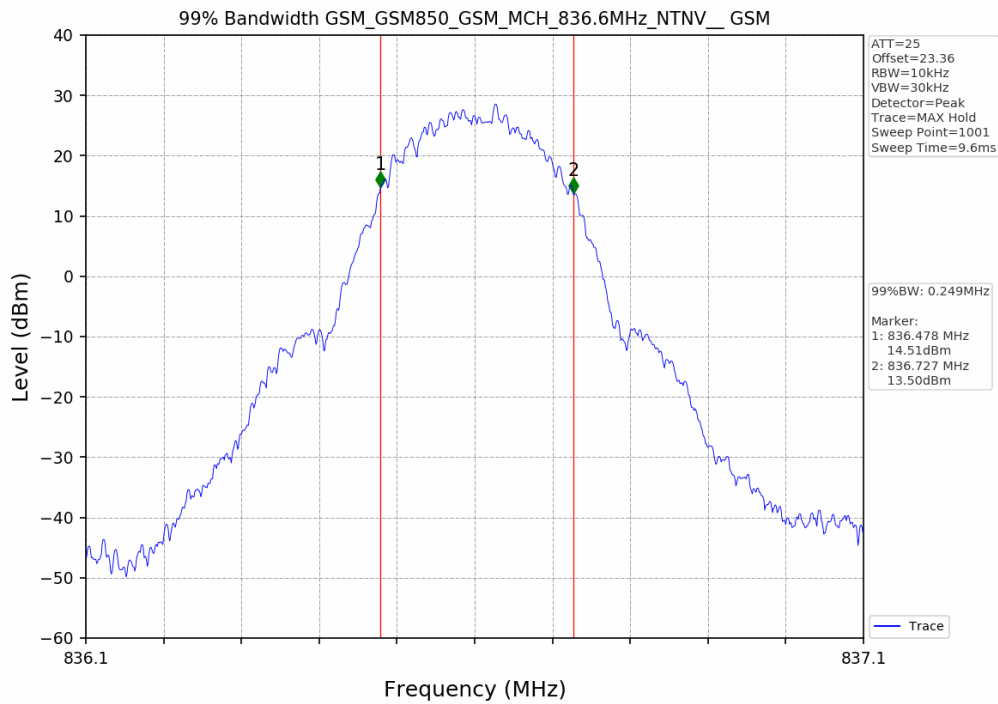
3. 99% & 26dB Bandwidth

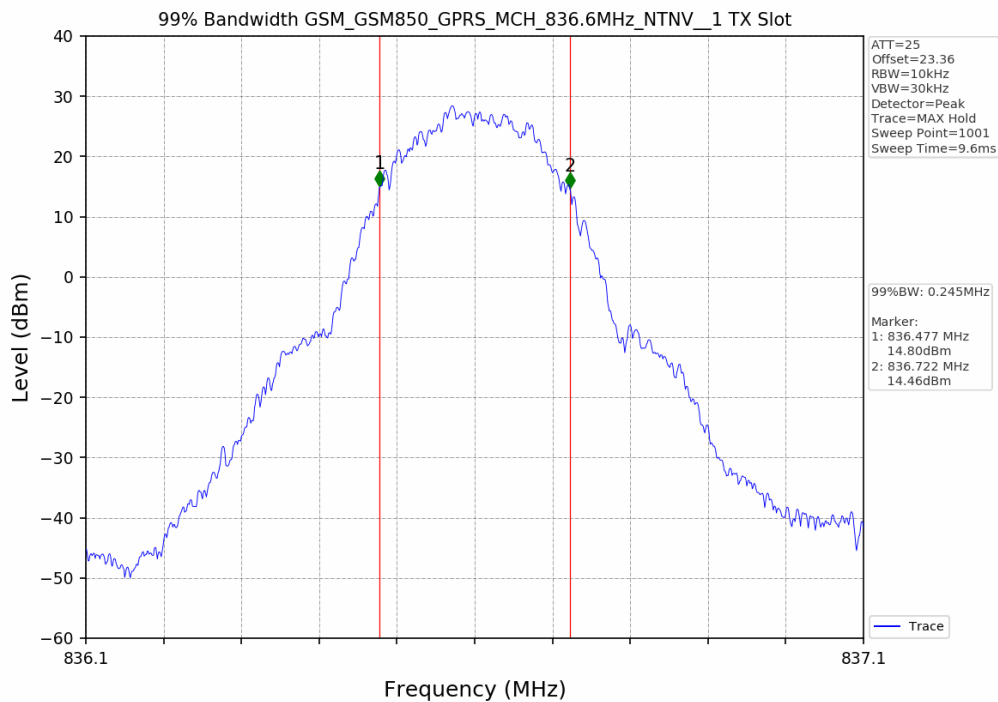
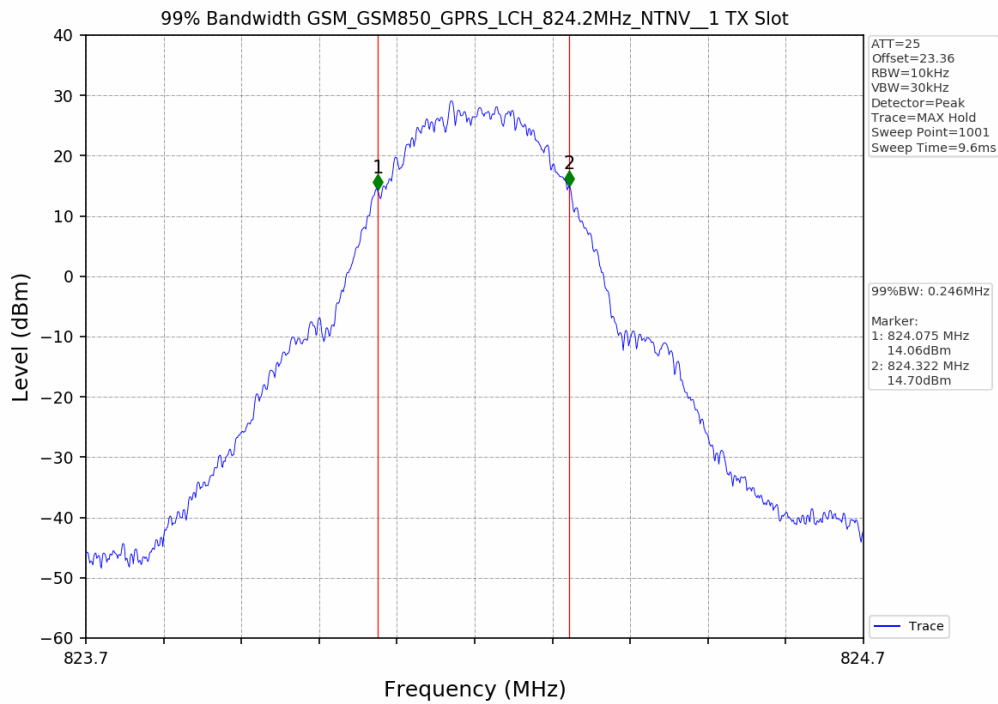
3.1 Test Result

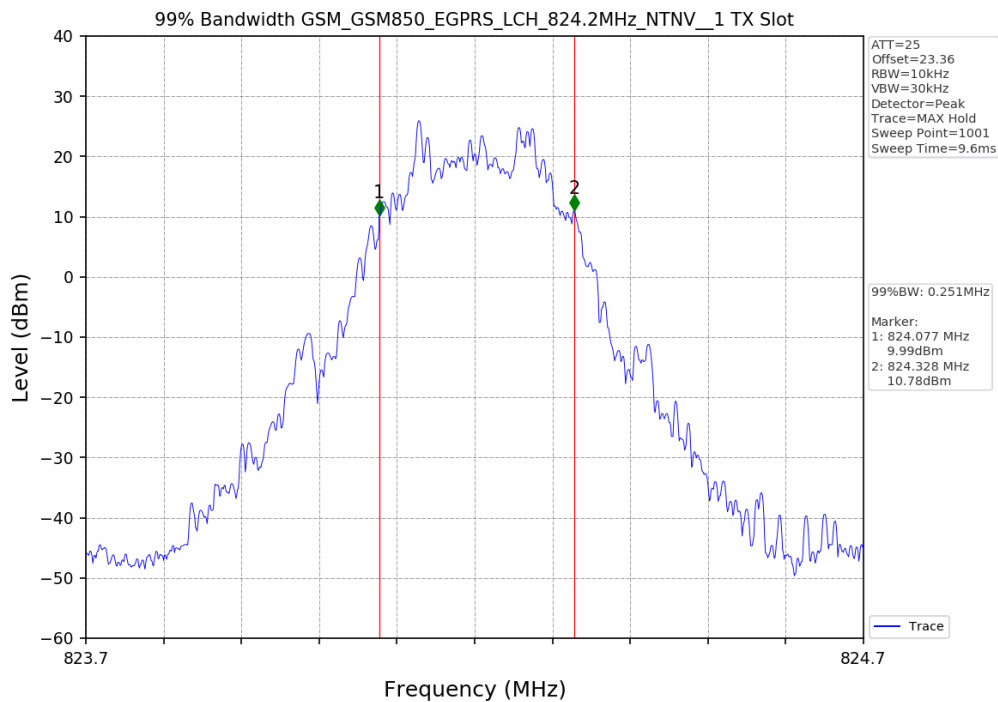
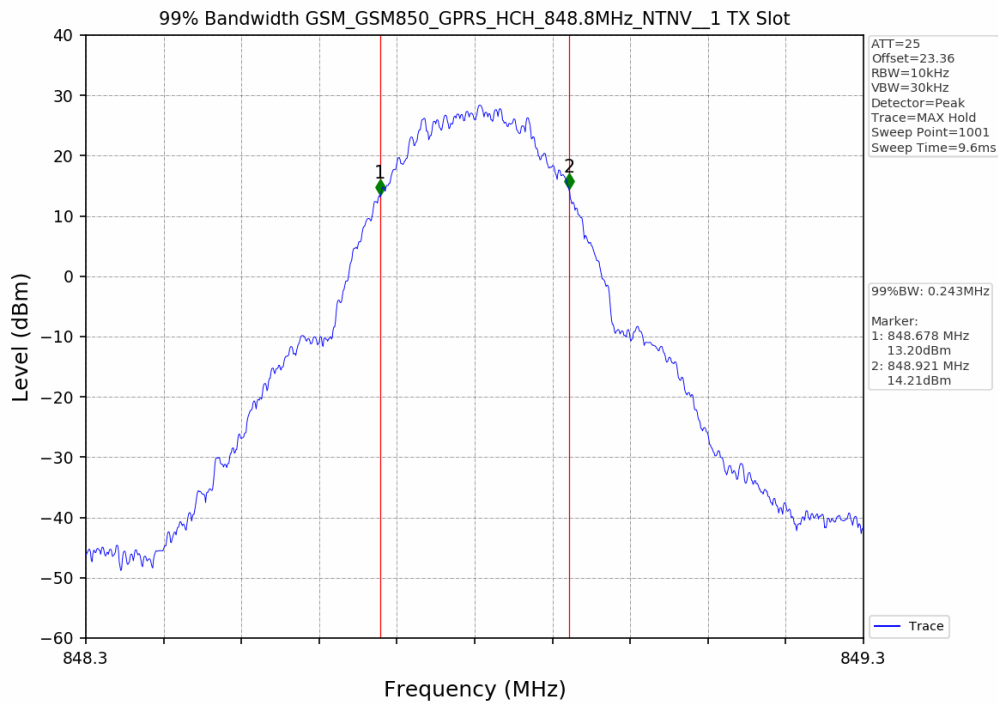
Test Band: GSM850					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.251	0.248	0.255	N/A	PASS
GPRS	0.246	0.245	0.243	N/A	PASS
GSM	0.243	0.249	0.241	N/A	PASS

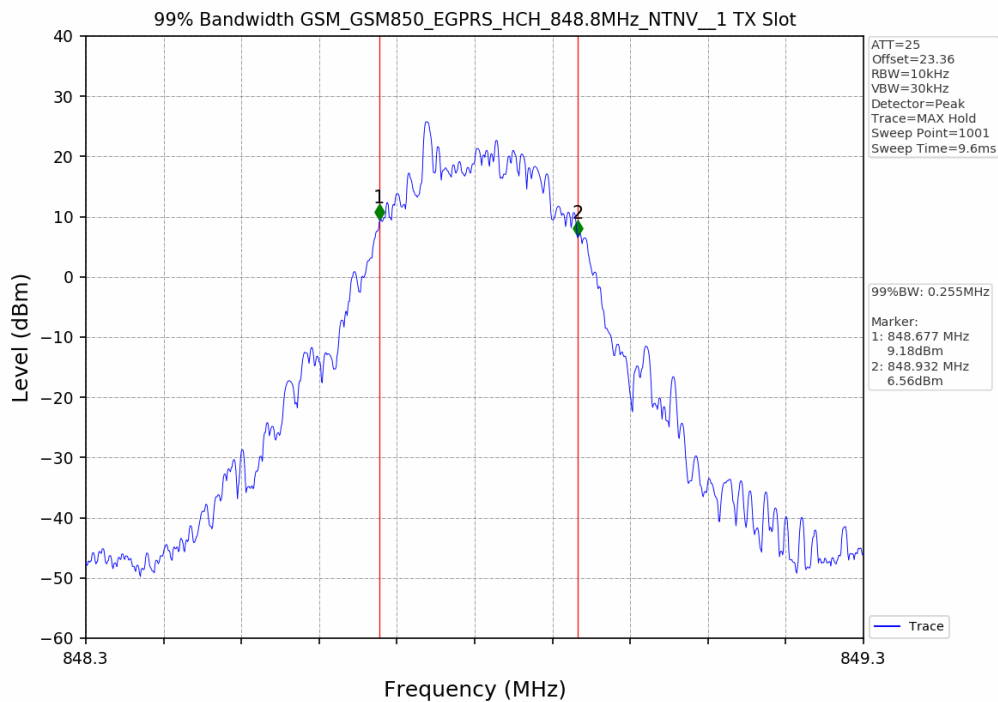
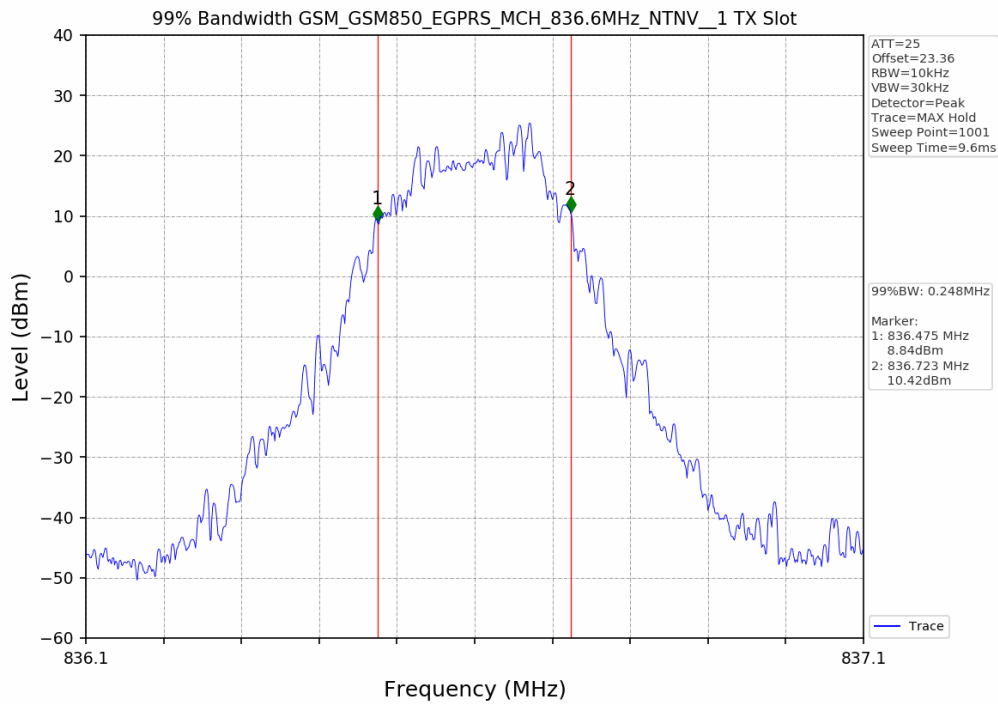
3.2 Test Graph





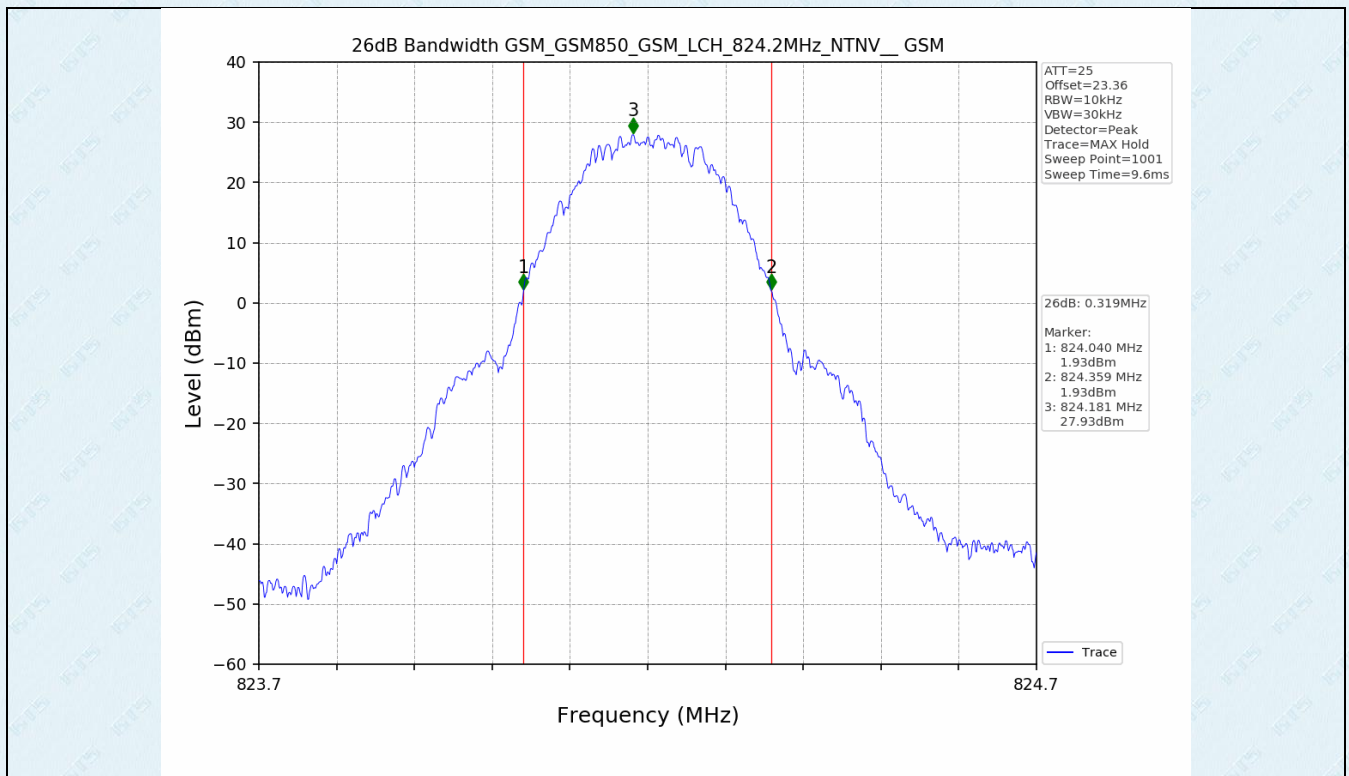


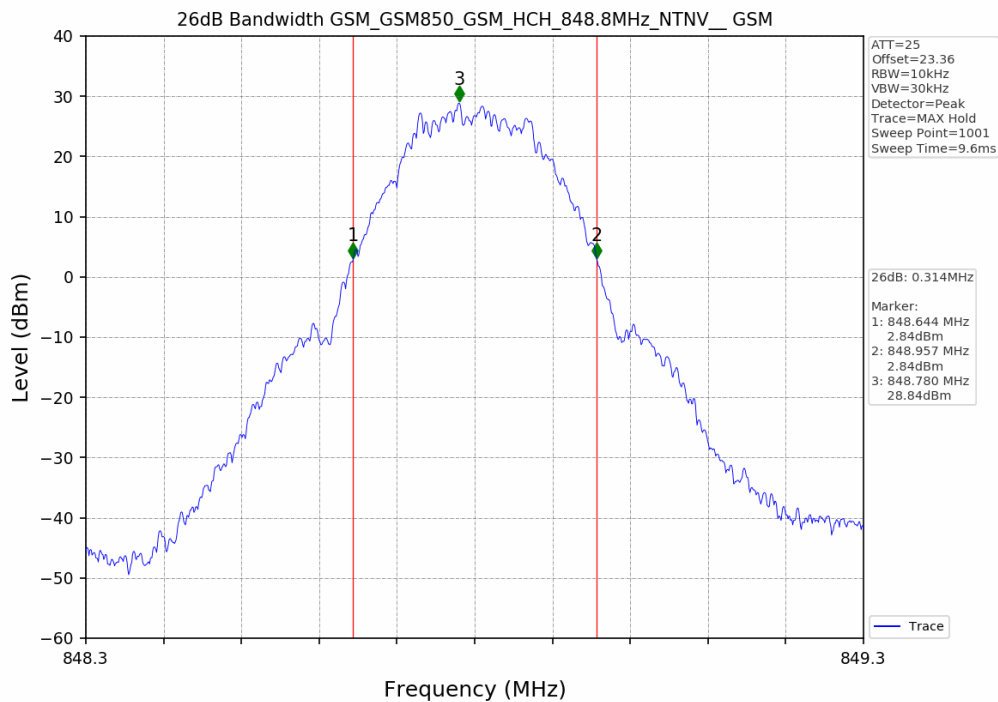
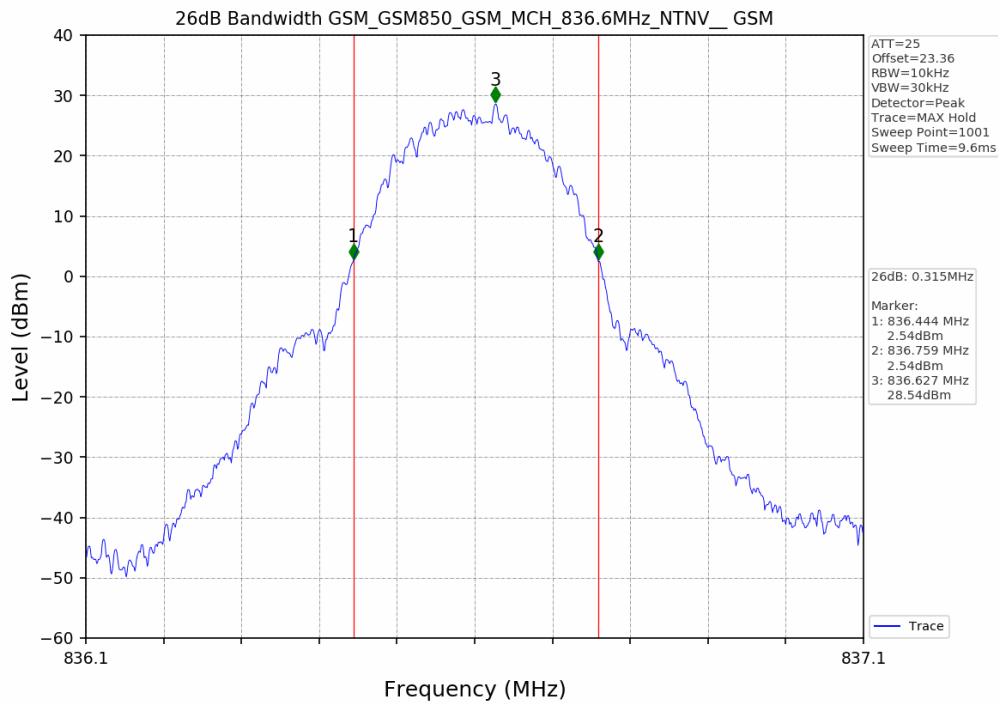


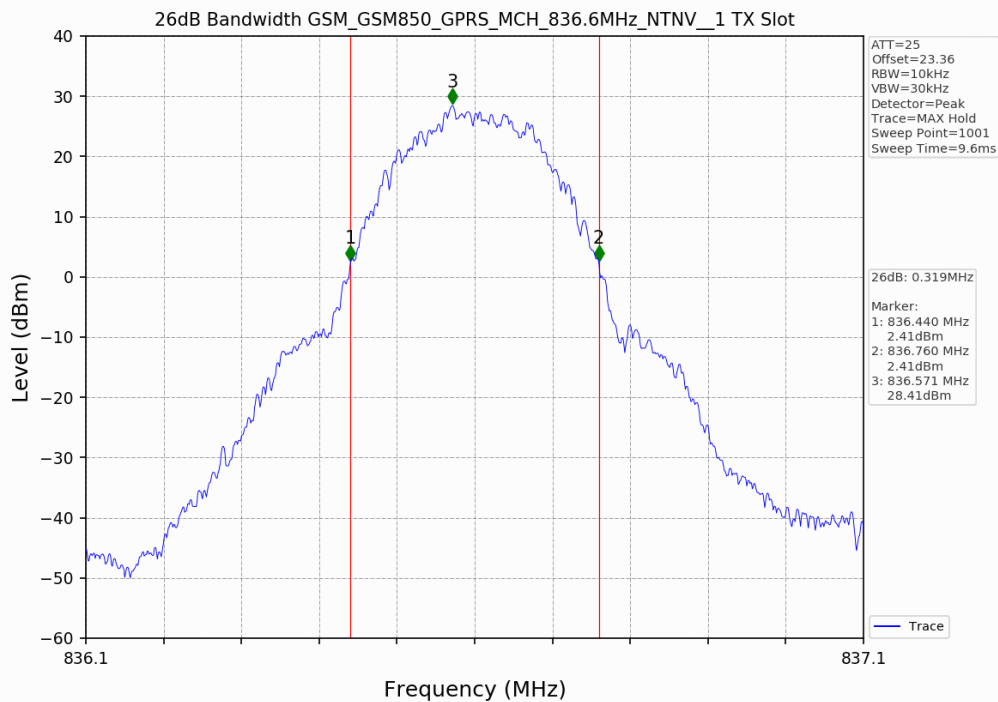
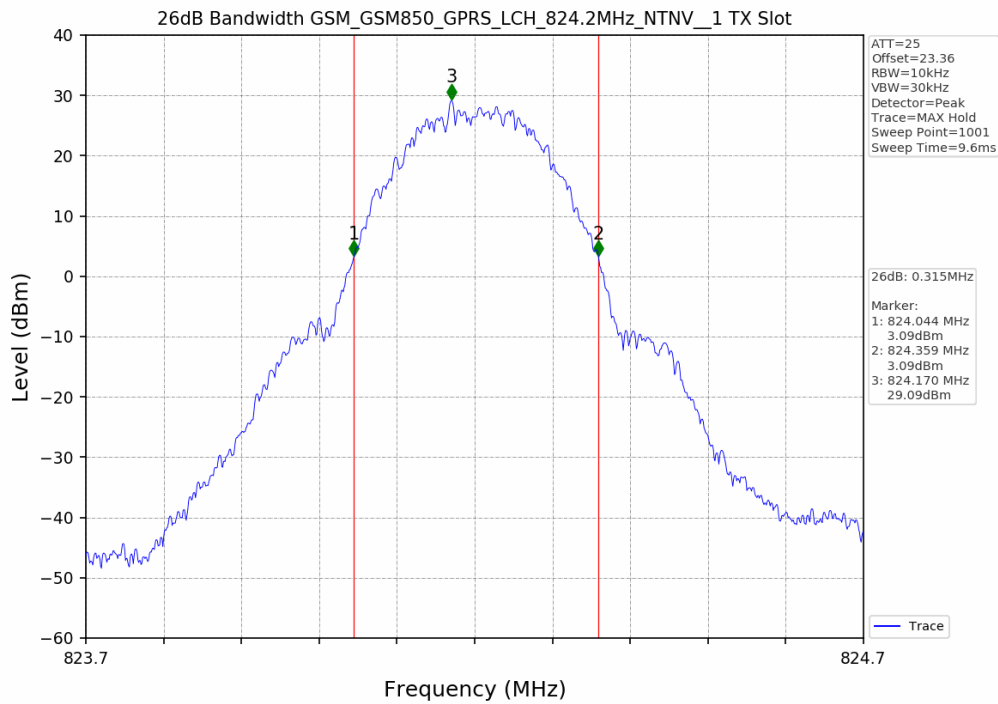


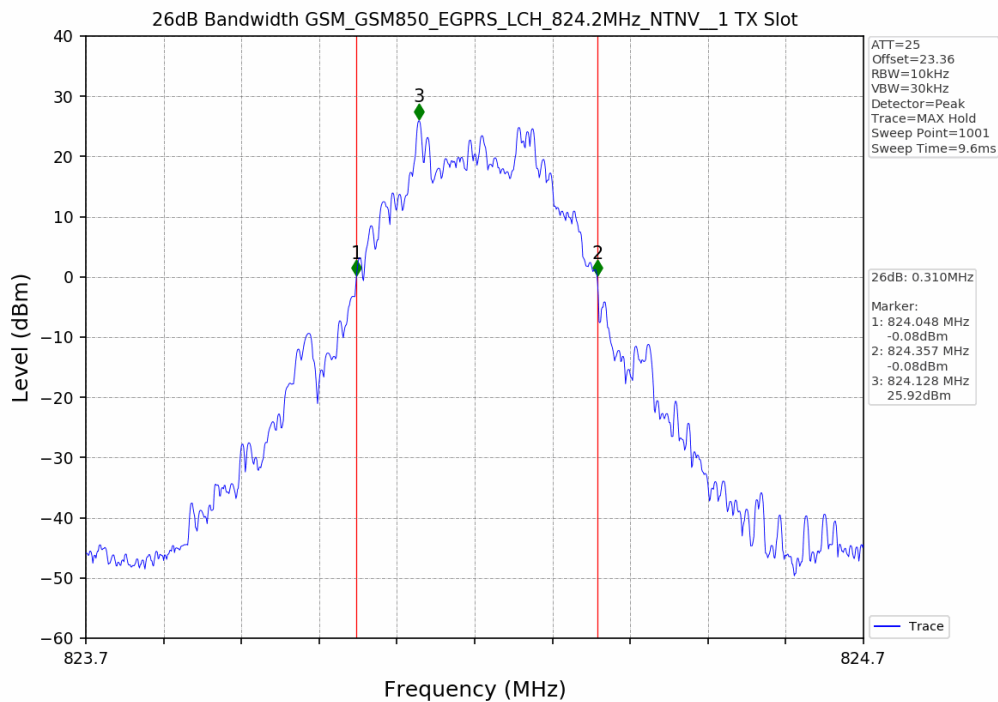
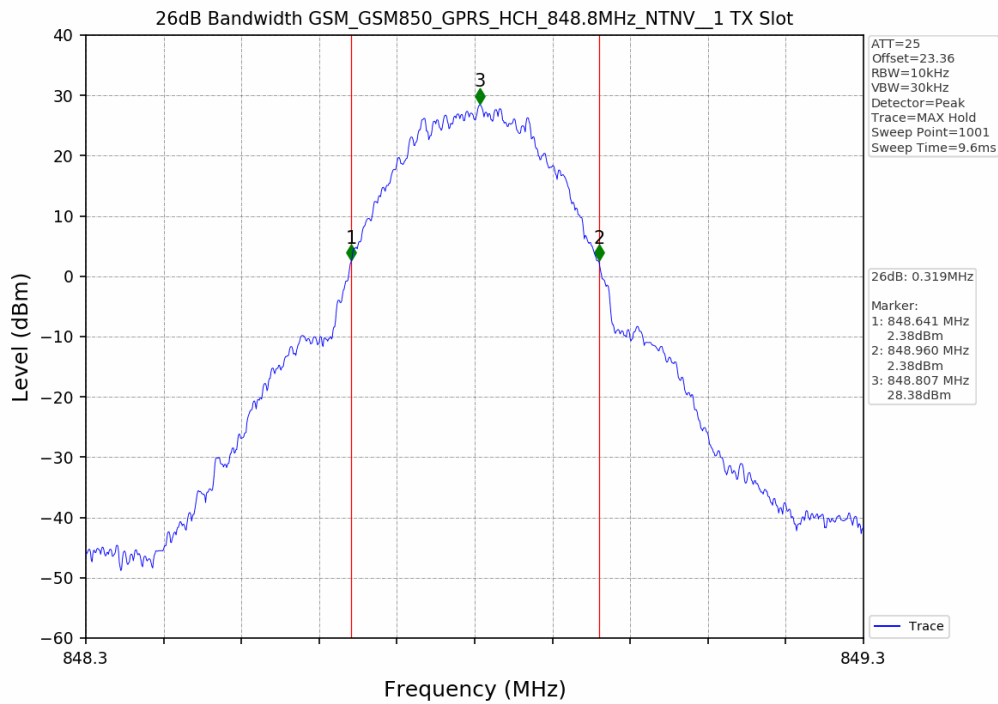
Test Band: GSM850					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.310	0.323	0.315	N/A	PASS
GPRS	0.315	0.319	0.319	N/A	PASS
GSM	0.319	0.315	0.314	N/A	PASS

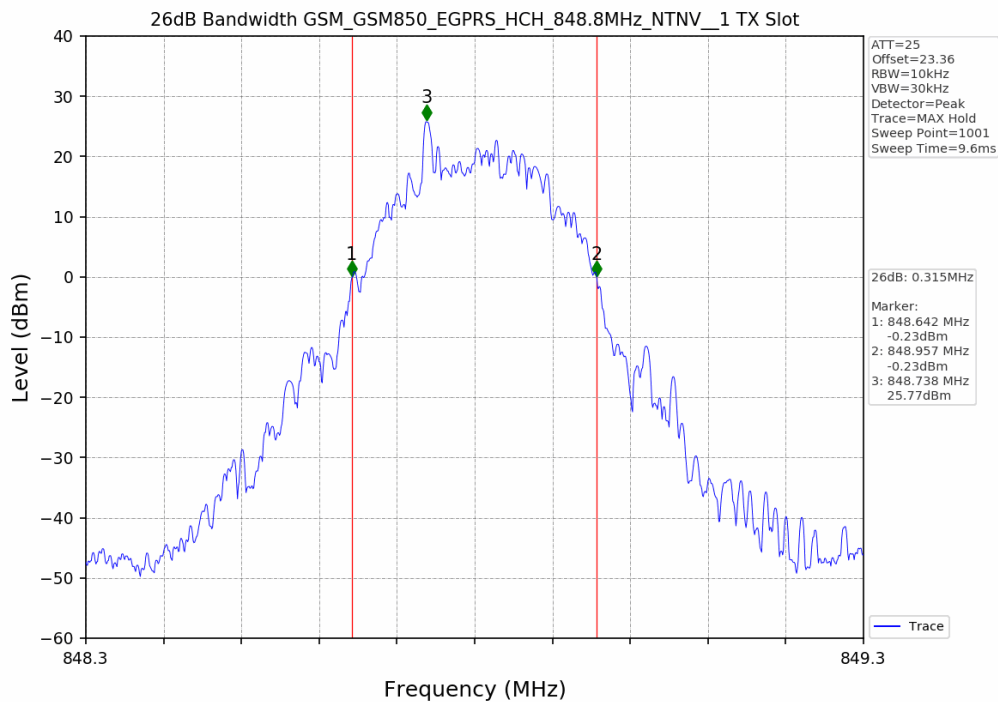
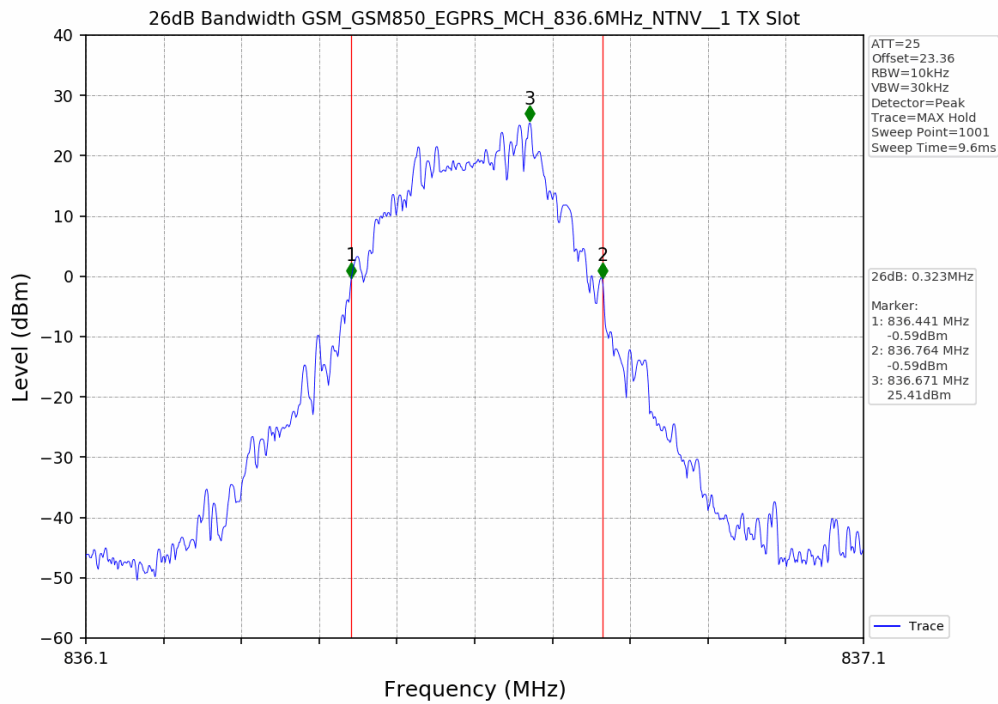
3.2 Test Graph









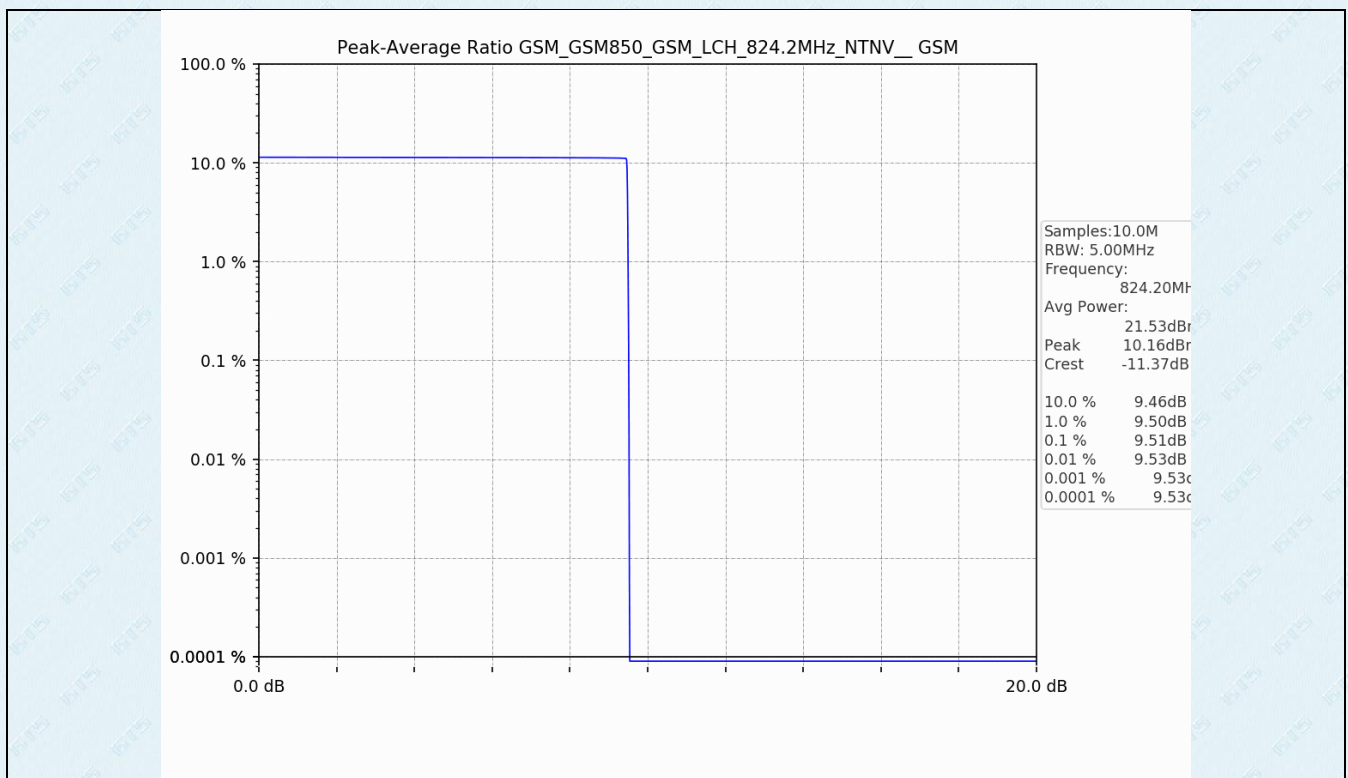


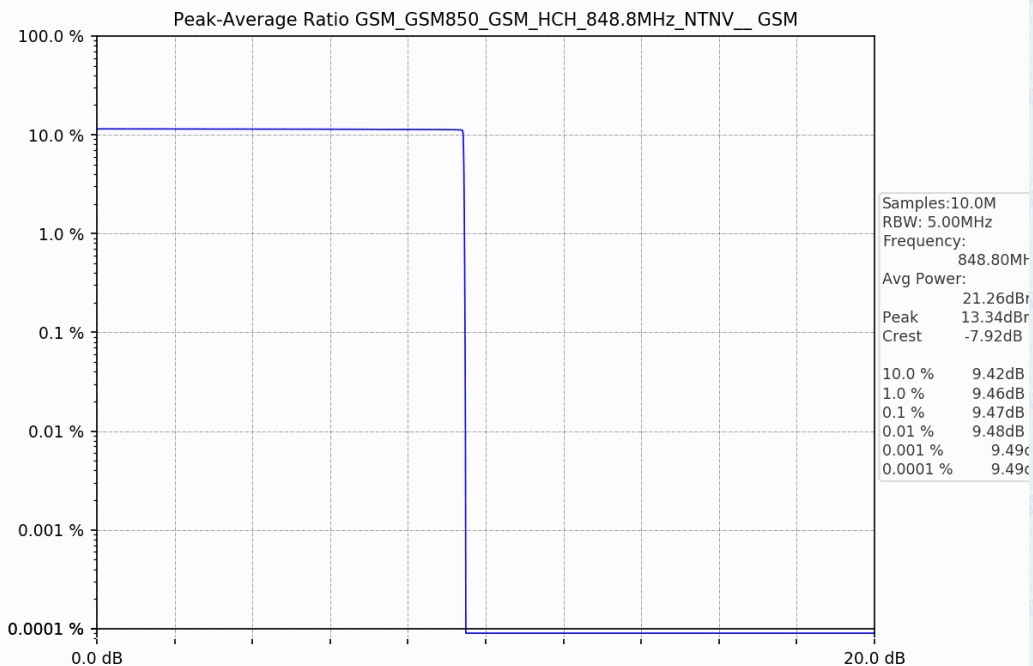
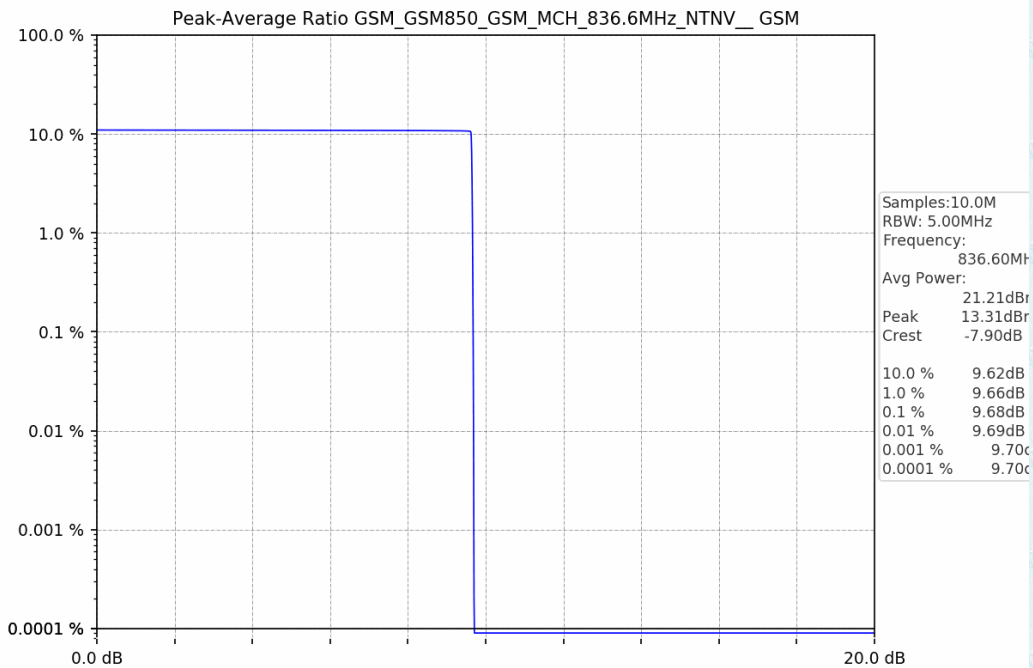
4. Peak-Average Ratio

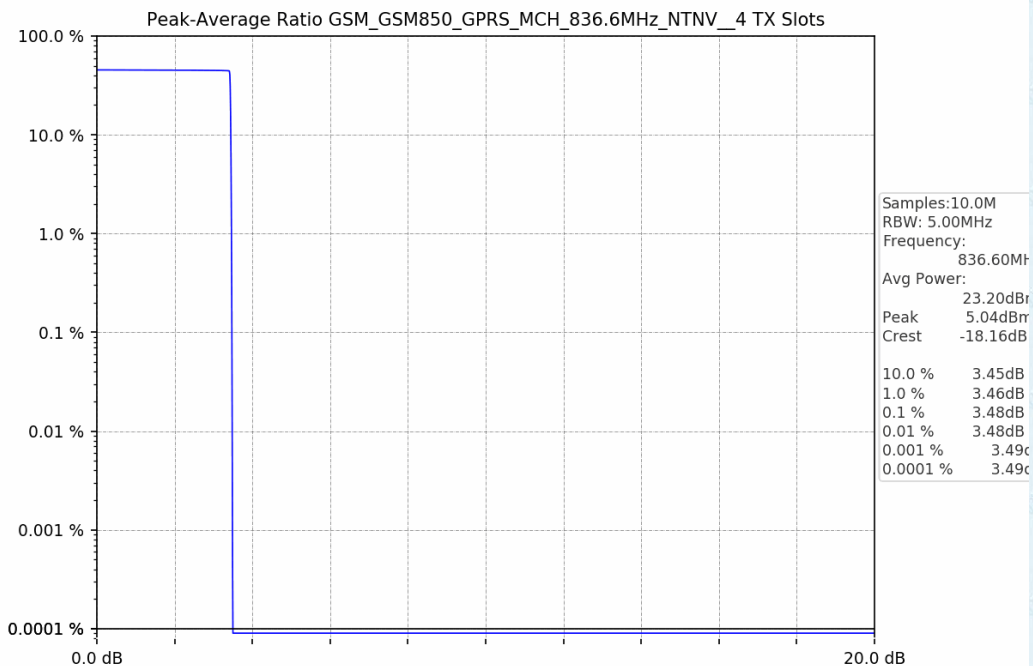
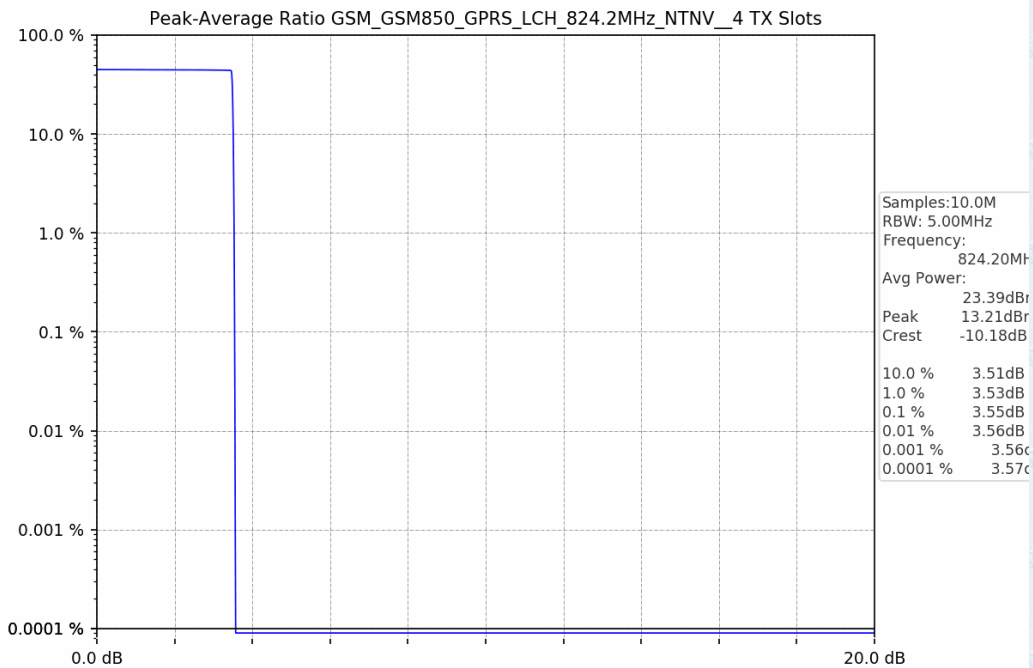
4.1 Test Result

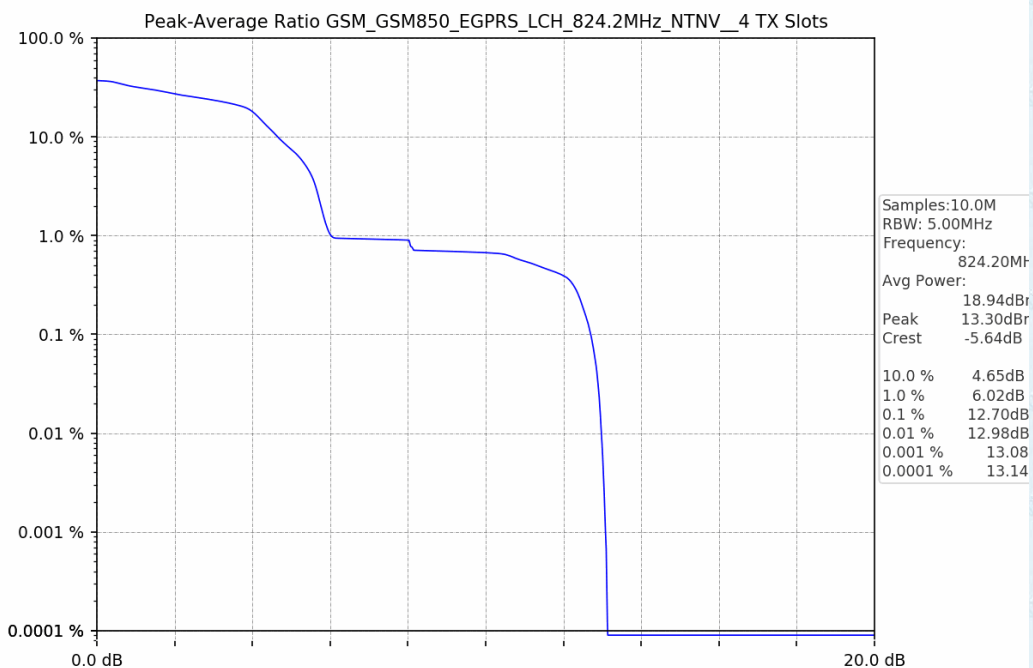
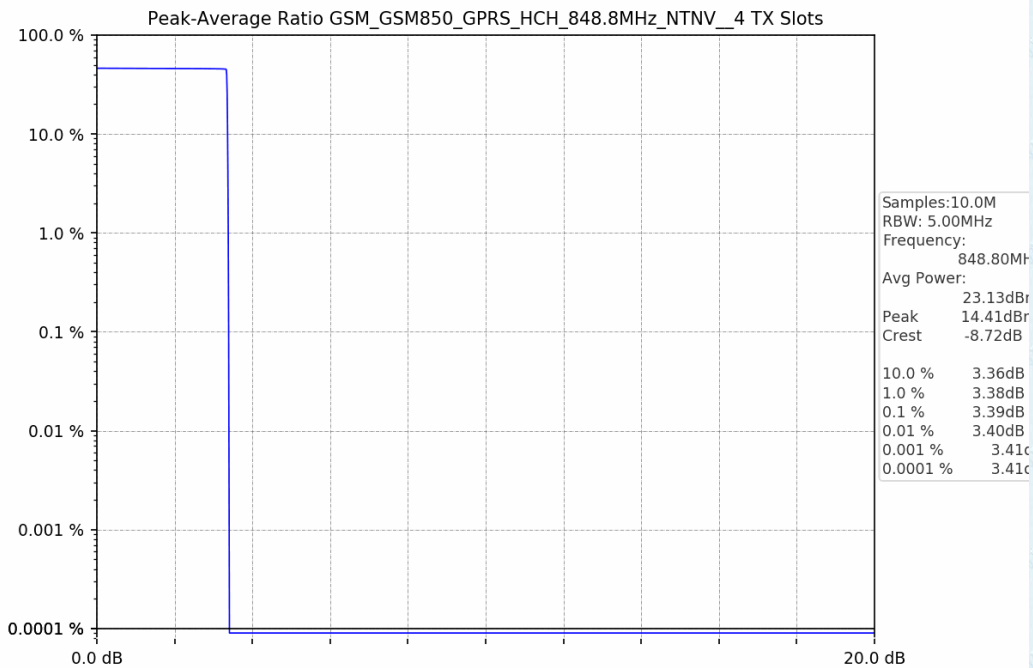
Test Band: GSM850					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
EGPRS	12.70	12.86	12.98	13	PASS
GPRS	3.55	3.48	3.39	13	PASS
GSM	9.51	9.68	9.47	13	PASS

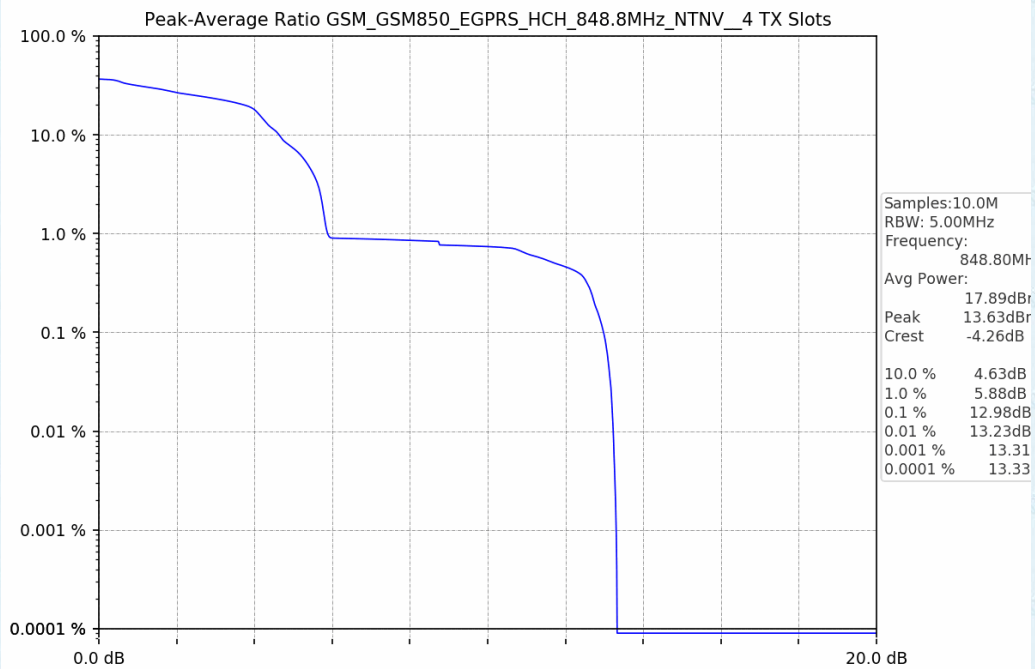
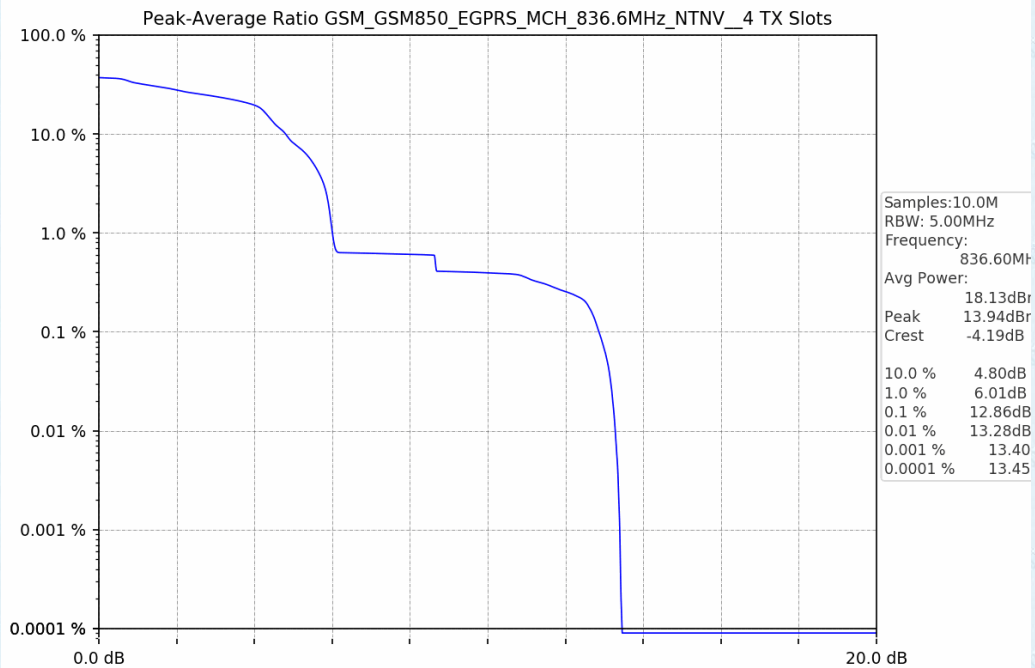
4.2 Test Graph





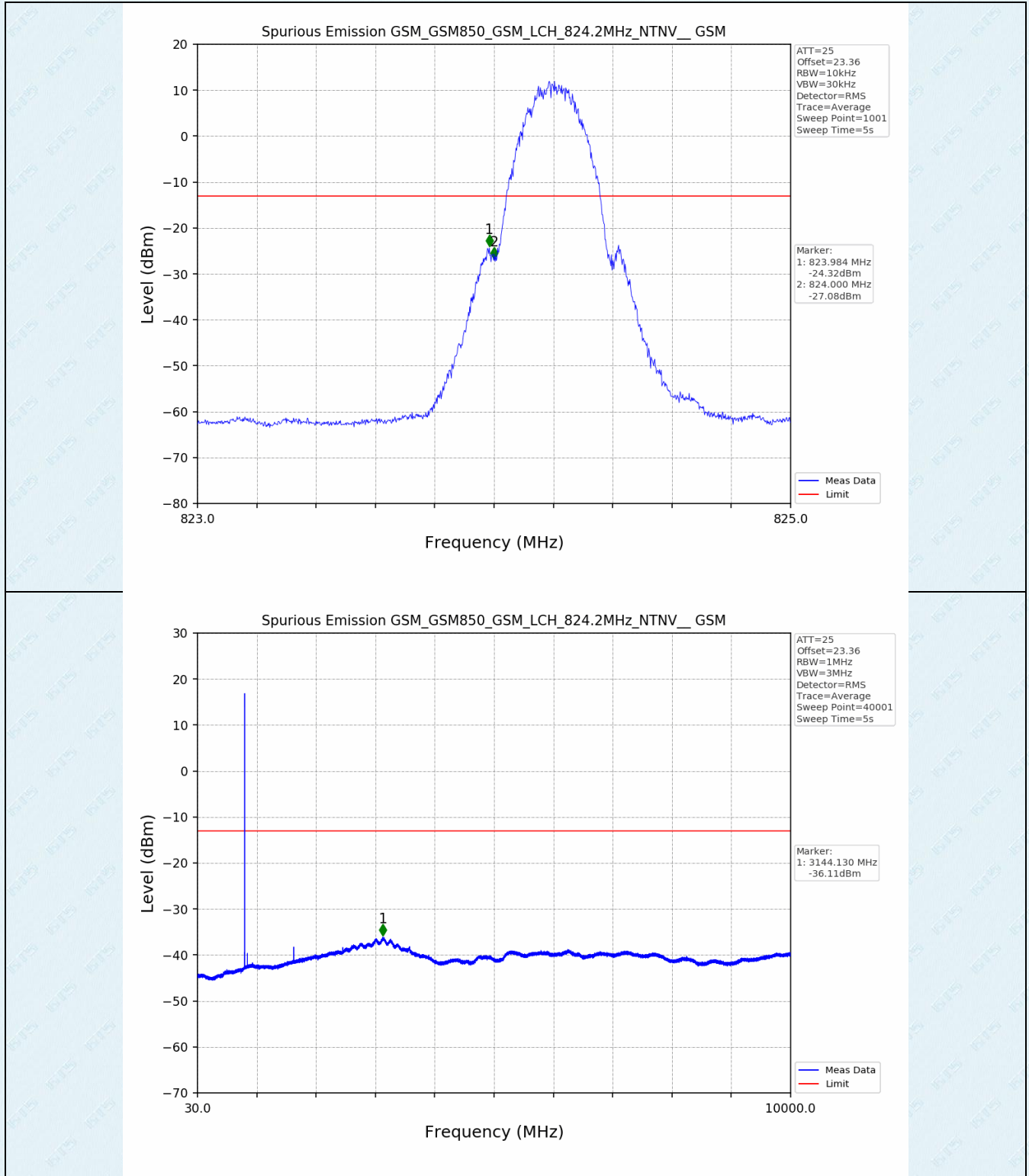


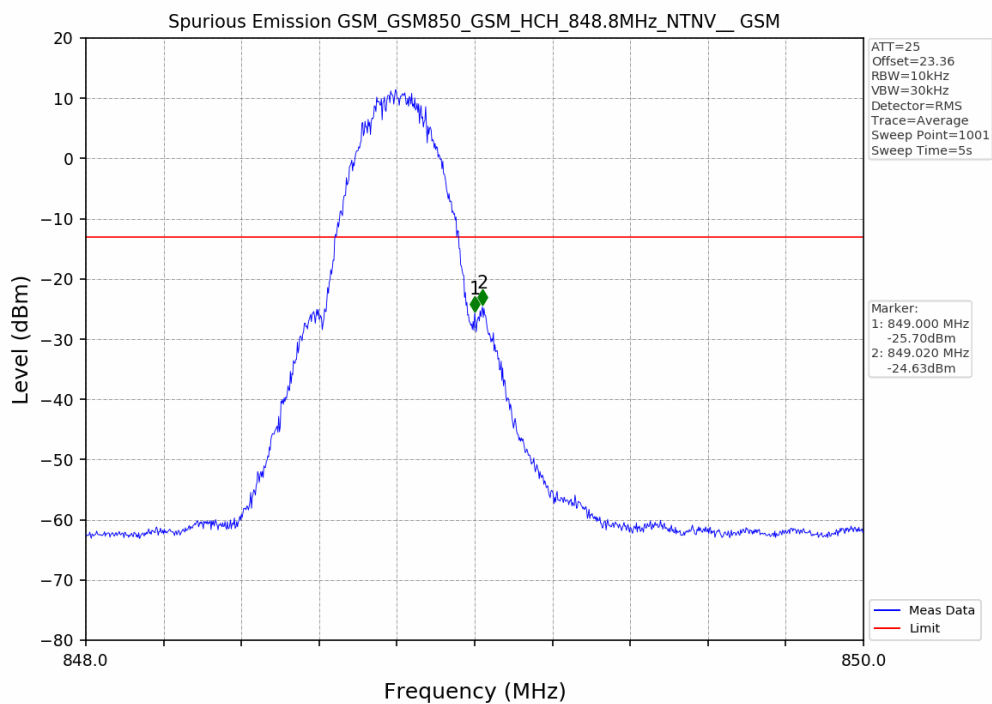
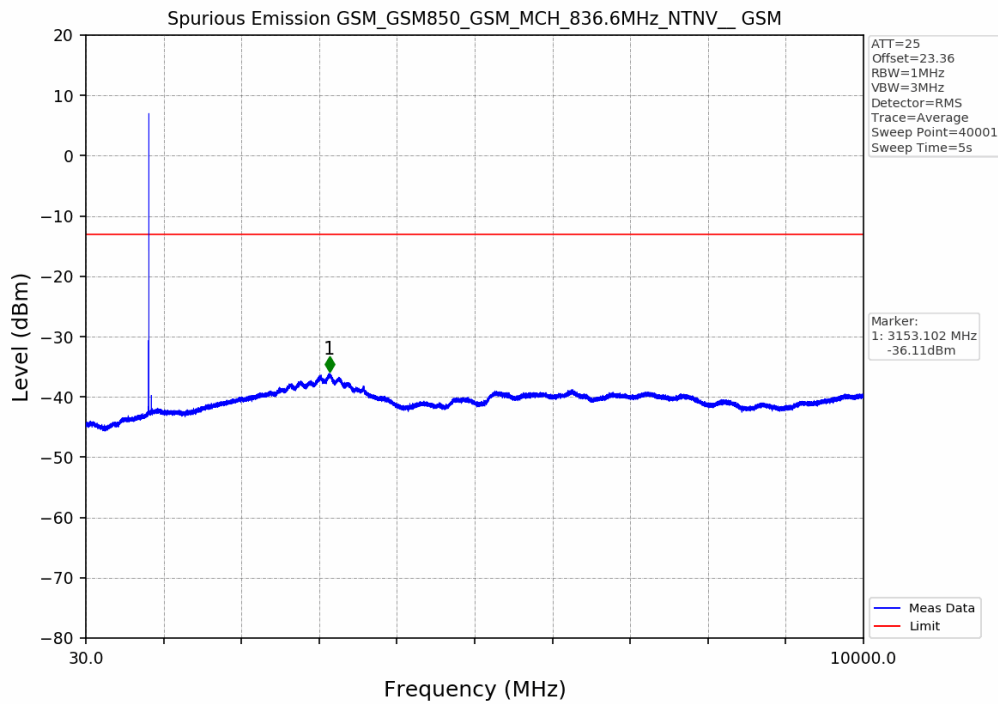


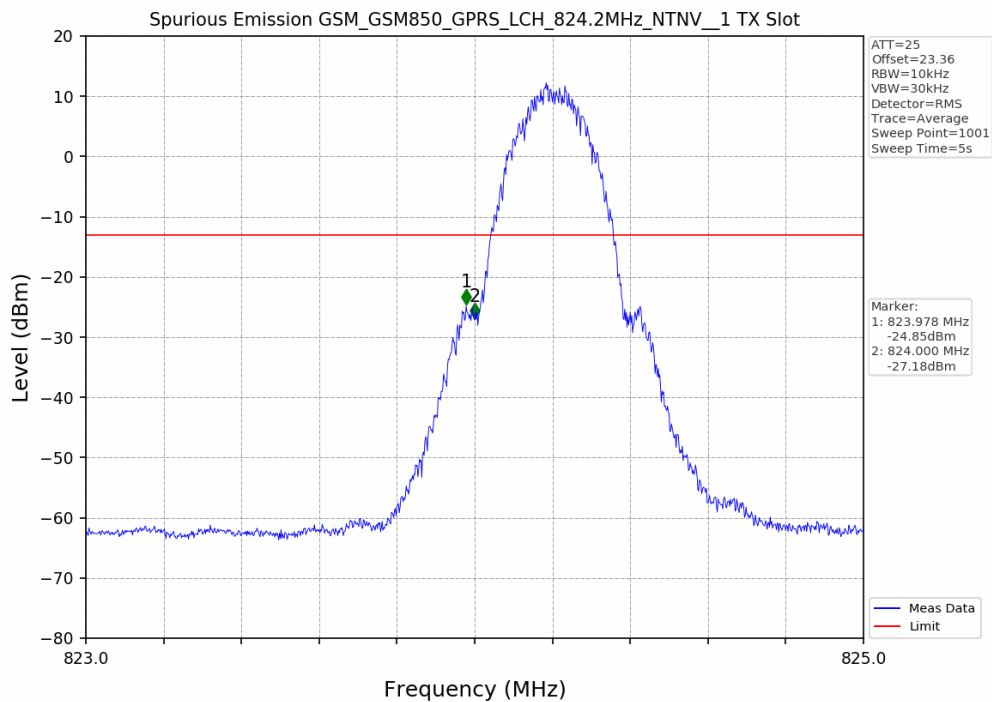
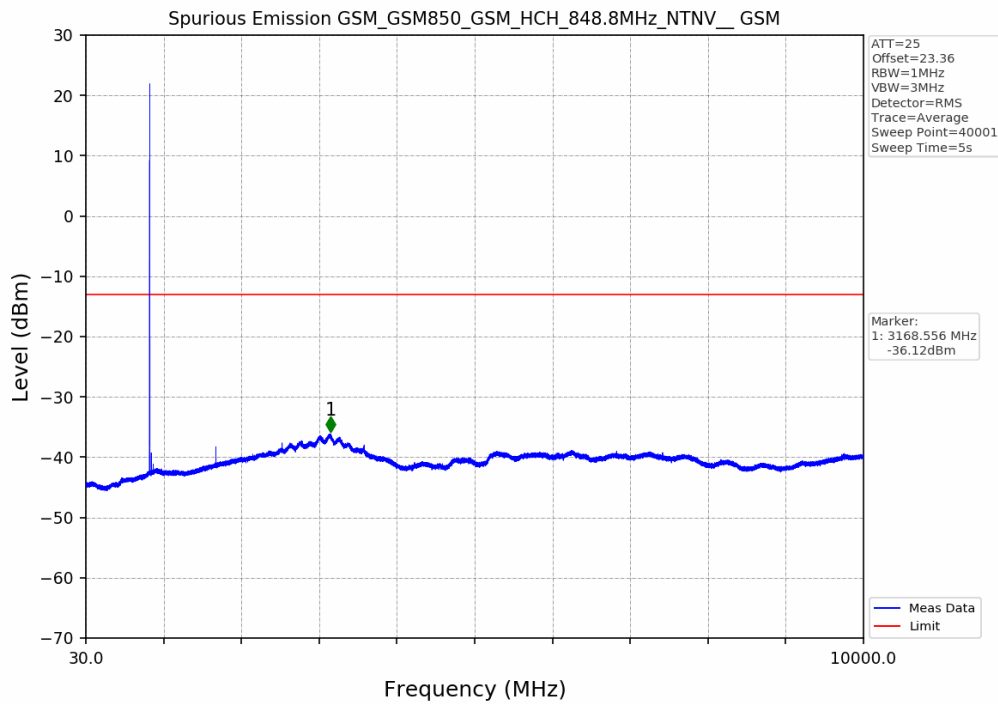


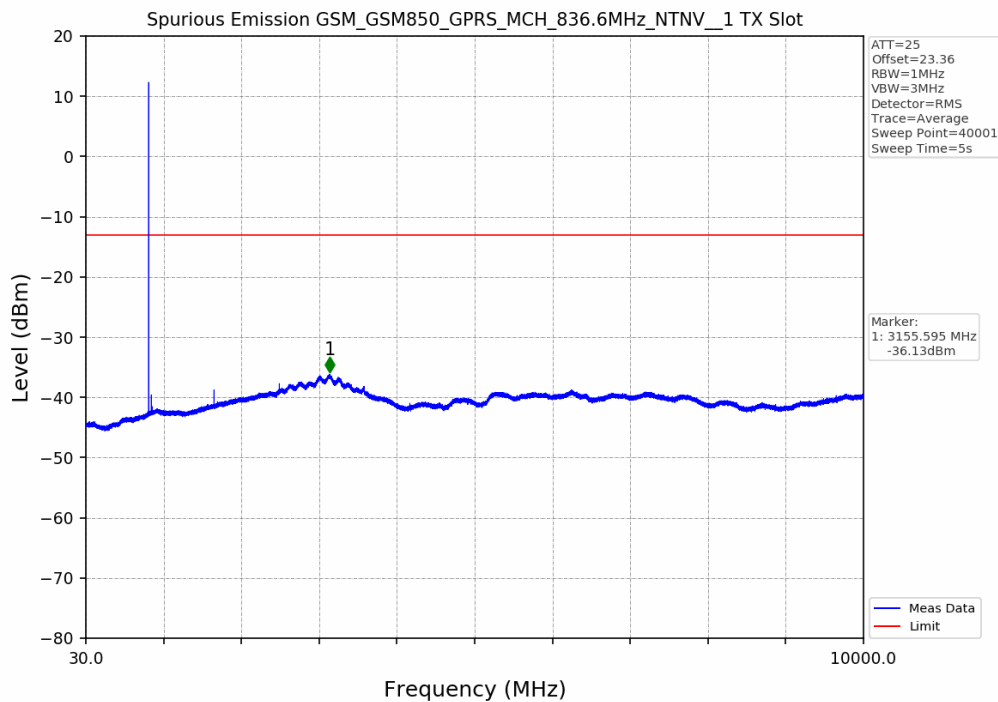
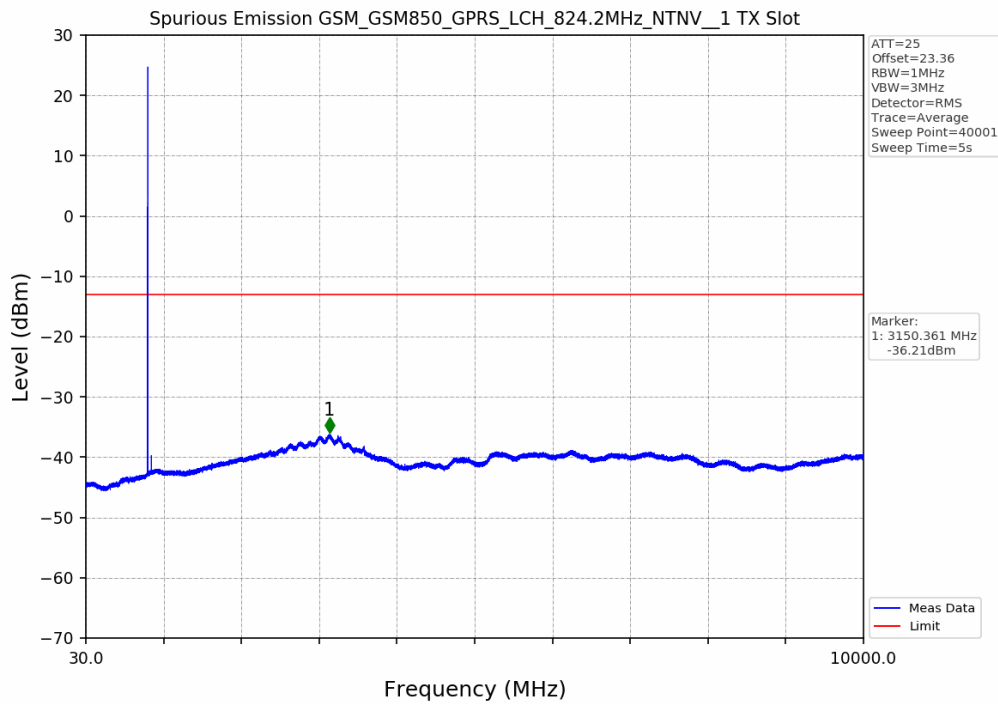
5. Spurious Emission

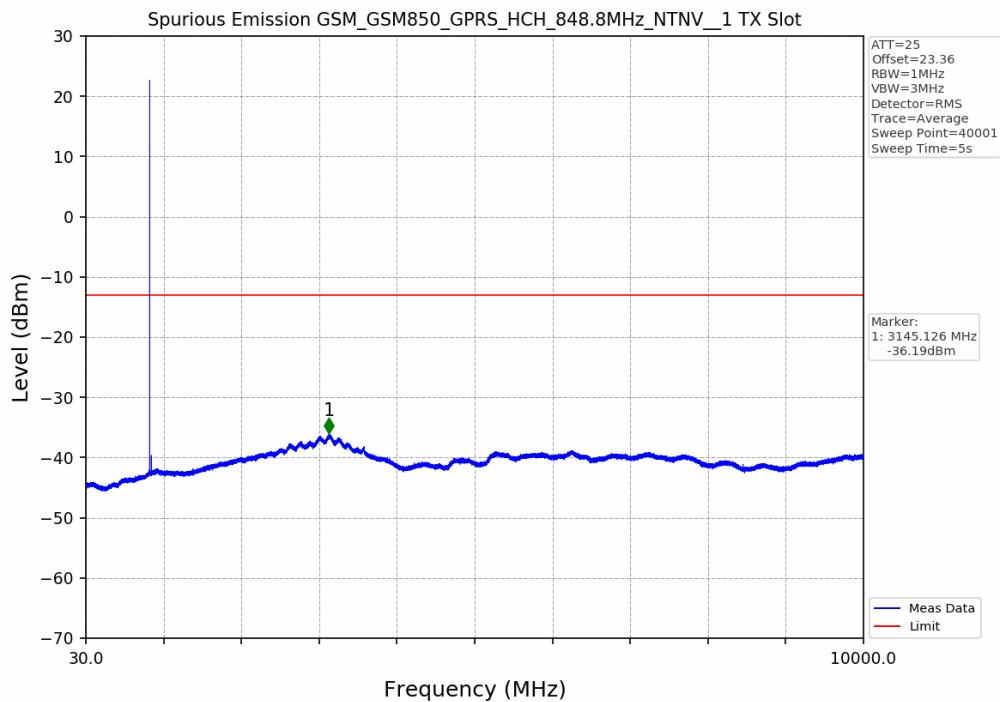
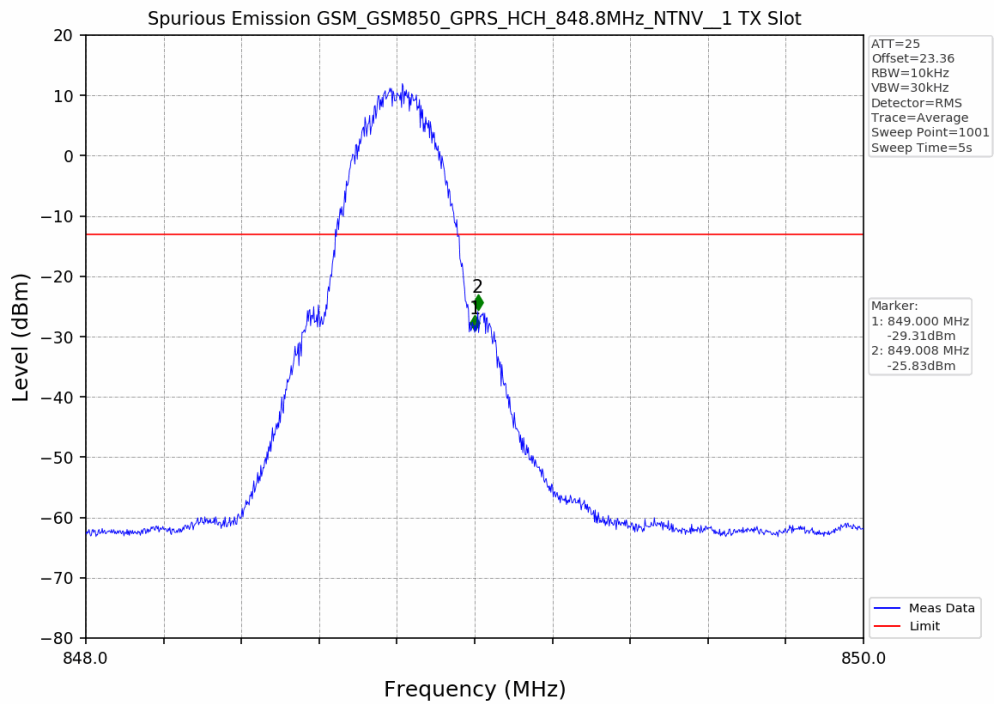
5.1 Test Graph

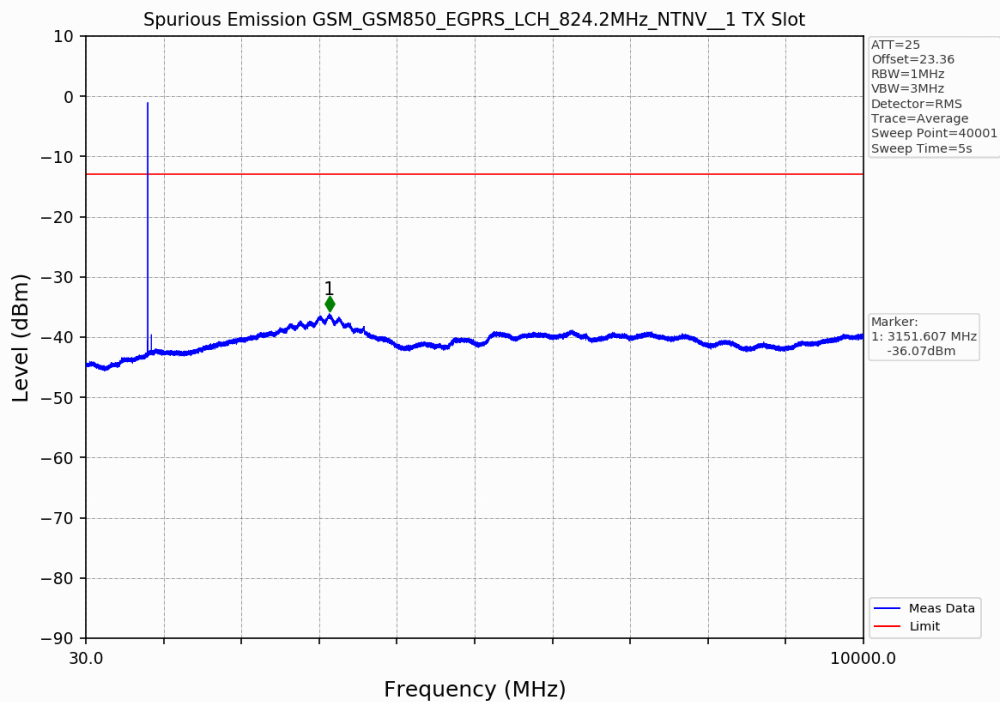
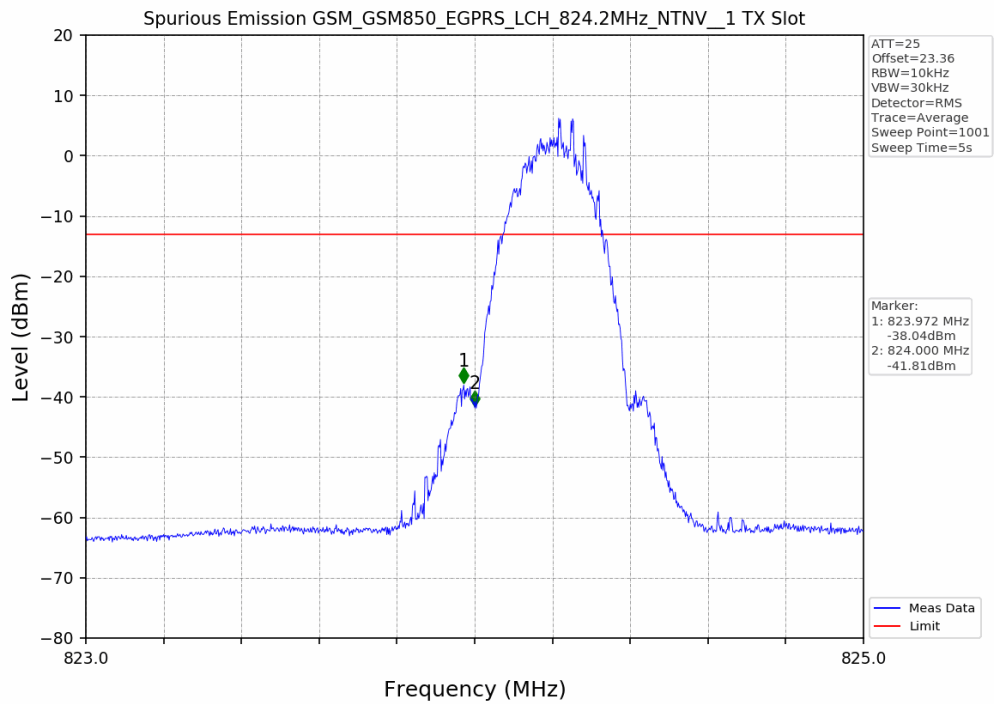


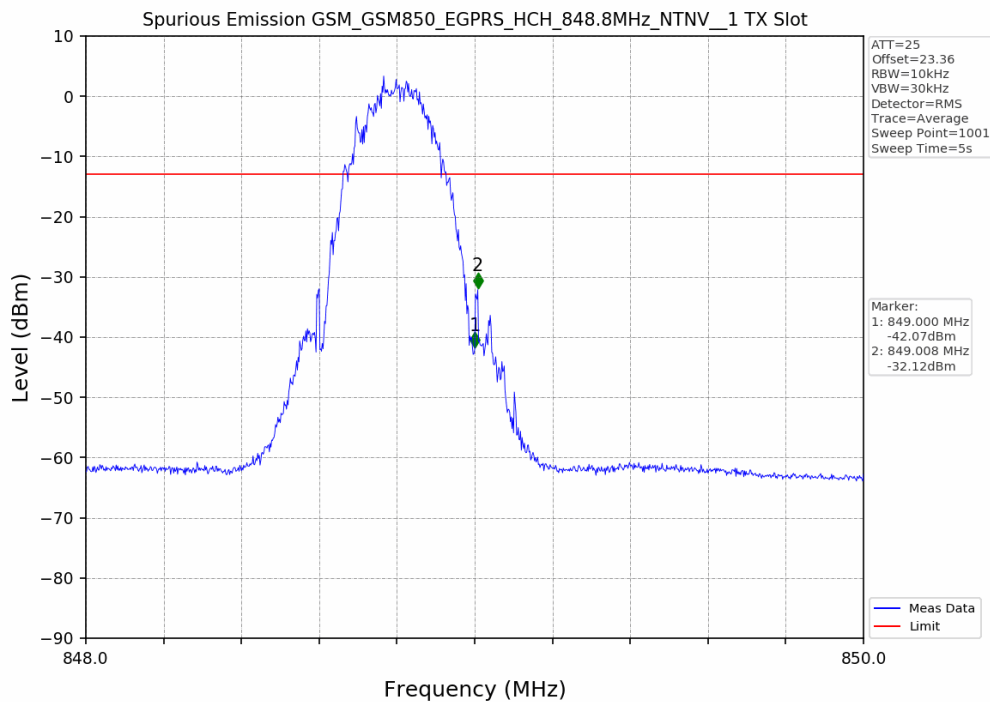
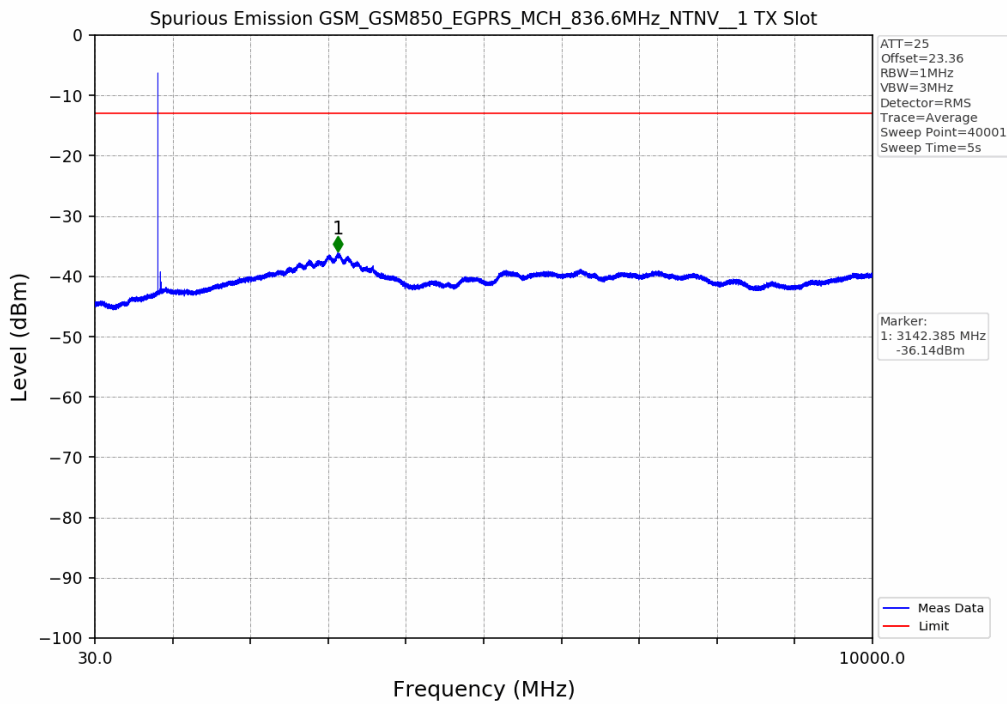


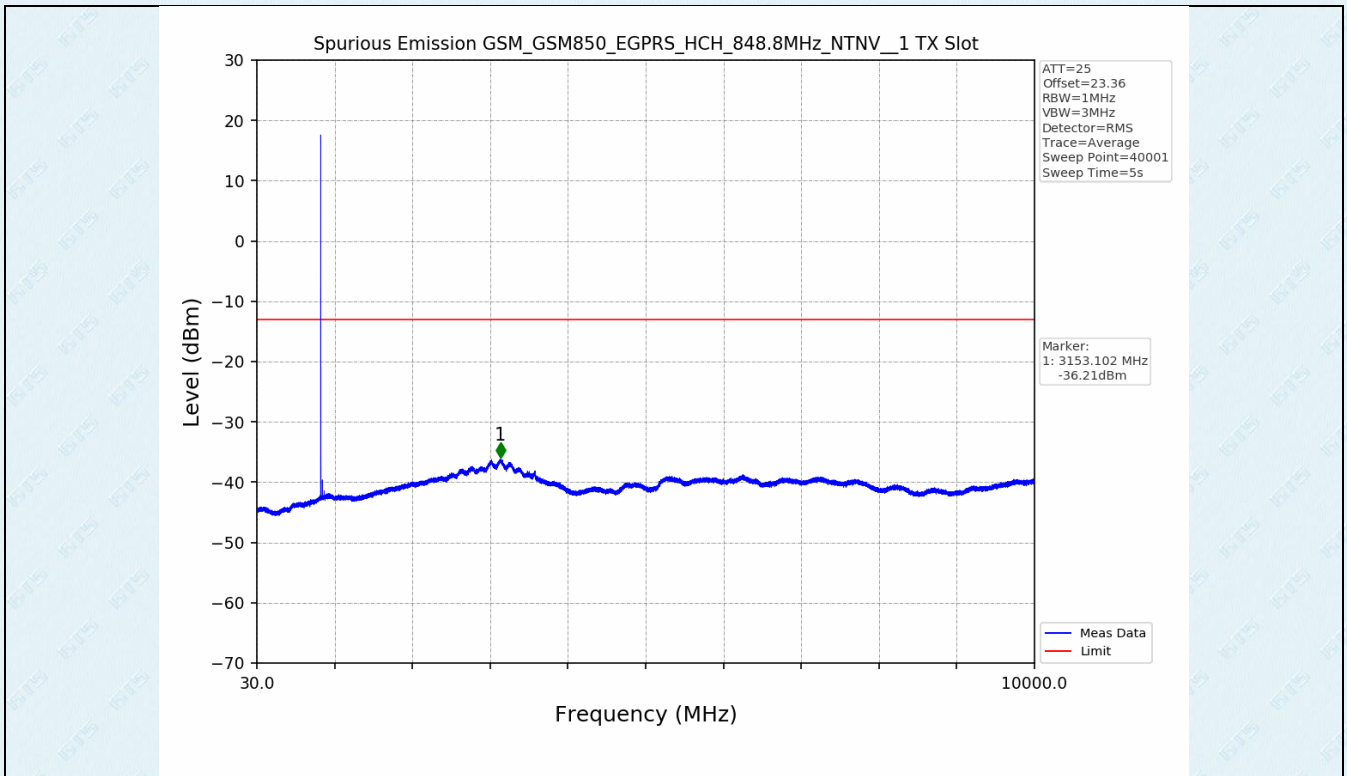












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