

1. Effective (Isotropic) Radiated Power Output Data

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	24.12	23.76	23.48	/	2.00	26.12	25.76	25.48	33.01	PASS
	2 TX Slots	23.37	22.86	22.73	/	2.00	25.37	24.86	24.73	33.01	PASS
	3 TX Slots	21.27	20.79	20.64	/	2.00	23.27	22.79	22.64	33.01	PASS
	4 TX Slots	20.07	19.63	19.44	/	2.00	22.07	21.63	21.44	33.01	PASS
GPRS	1 TX Slot	25.60	25.20	25.45	/	2.00	27.60	27.20	27.45	33.01	PASS
	2 TX Slots	24.82	24.43	24.73	/	2.00	26.82	26.43	26.73	33.01	PASS
	3 TX Slots	23.07	22.70	23.06	/	2.00	25.07	24.70	25.06	33.01	PASS
	4 TX Slots	22.00	21.65	22.00	/	2.00	24.00	23.65	24.00	33.01	PASS
GSM	GSM	25.59	25.22	25.50	/	2.00	27.59	27.22	27.50	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: 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	25.1184	20.5015	20.7921	0.0136	0.0109	0.0109	2.50	PASS
		NV	16.5626	16.0784	21.7930	0.0090	0.0086	0.0114	2.50	PASS
		HV	21.5992	15.2066	21.2764	0.0117	0.0081	0.0111	2.50	PASS
GPRS	NT	LV	27.7013	23.8270	26.5390	0.0150	0.0127	0.0139	2.50	PASS
		NV	28.0241	30.5424	28.7021	0.0151	0.0162	0.0150	2.50	PASS
		HV	29.2833	28.7021	21.1472	0.0158	0.0153	0.0111	2.50	PASS
GSM	NT	LV	32.4150	25.6672	29.6707	0.0175	0.0137	0.0155	2.50	PASS
		NV	29.4124	25.3444	29.1218	0.0159	0.0135	0.0152	2.50	PASS
		HV	31.1881	23.7301	27.3784	0.0169	0.0126	0.0143	2.50	PASS

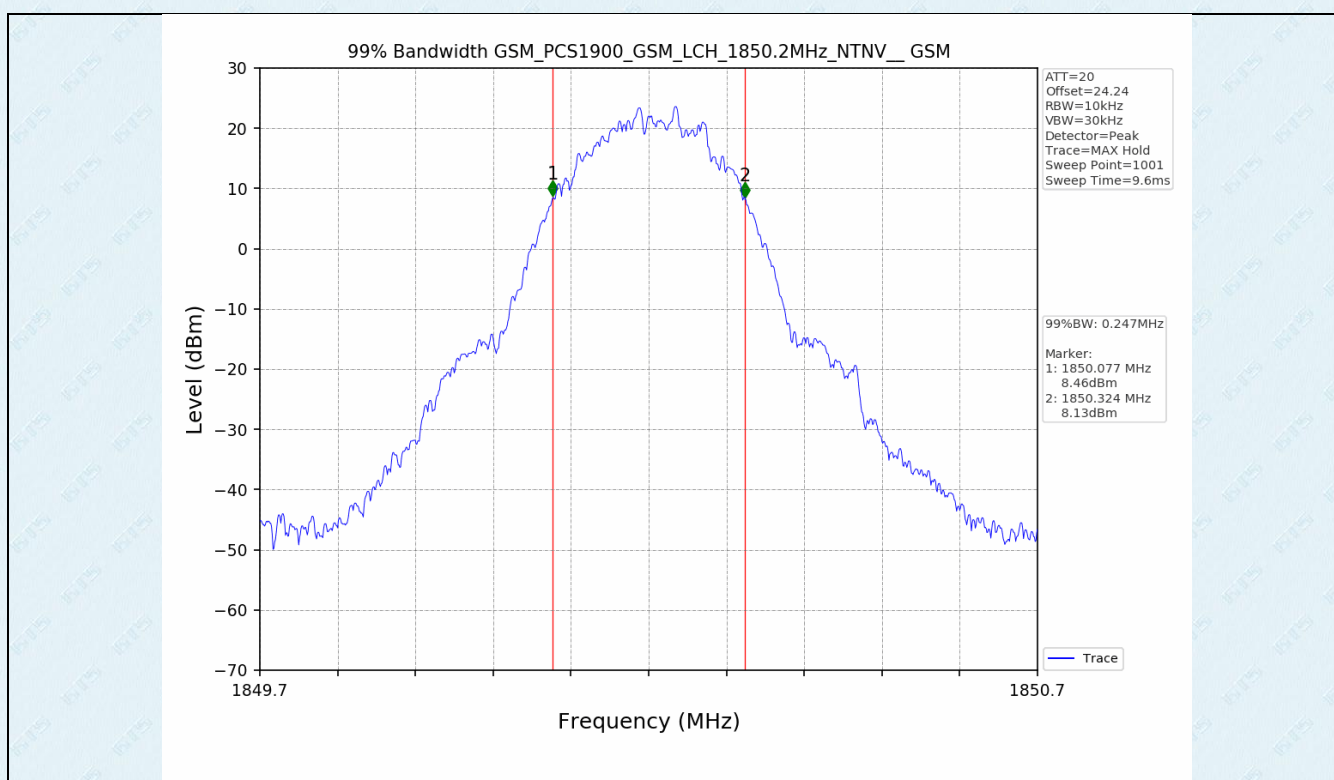
Test Band: PCS1900 (Frequency Error VS. Temperature)										
Test Mode	Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
EGPRS	NV	-30.00	22.2772	13.5923	22.2772	0.0120	0.0072	0.0117	2.50	PASS
		-20.00	21.7930	22.4387	22.6647	0.0118	0.0119	0.0119	2.50	PASS
		-10.00	27.1847	20.6307	20.6952	0.0147	0.0110	0.0108	2.50	PASS
		0.00	23.6655	22.7292	23.6010	0.0128	0.0121	0.0124	2.50	PASS
		10.00	21.0504	18.2092	21.4378	0.0114	0.0097	0.0112	2.50	PASS
		20.00	26.8295	16.5949	22.8907	0.0145	0.0088	0.0120	2.50	PASS
		30.00	26.7004	17.7249	18.5321	0.0144	0.0094	0.0097	2.50	PASS
		40.00	26.0224	19.0809	17.8864	0.0141	0.0101	0.0094	2.50	PASS
		50.00	18.5966	17.0469	18.1769	0.0101	0.0091	0.0095	2.50	PASS
GPRS	NV	-30.00	27.2493	29.9613	23.1490	0.0147	0.0159	0.0121	2.50	PASS
		-20.00	26.0870	26.5390	29.1541	0.0141	0.0141	0.0153	2.50	PASS
		-10.00	28.3793	30.6716	27.9596	0.0153	0.0163	0.0146	2.50	PASS
		0.00	28.4761	31.0913	24.1498	0.0154	0.0165	0.0126	2.50	PASS
		10.00	27.3461	25.6672	25.3121	0.0148	0.0137	0.0133	2.50	PASS
		20.00	24.8278	27.9273	21.9221	0.0134	0.0149	0.0115	2.50	PASS
		30.00	26.3130	30.5747	25.1184	0.0142	0.0163	0.0132	2.50	PASS
		40.00	26.5712	28.9281	25.5381	0.0144	0.0154	0.0134	2.50	PASS
		50.00	30.6393	27.7013	28.5730	0.0166	0.0147	0.0150	2.50	PASS
GSM	NV	-30.00	23.9884	24.8924	25.0215	0.0130	0.0132	0.0131	2.50	PASS
		-20.00	25.0861	23.0521	25.3444	0.0136	0.0123	0.0133	2.50	PASS
		-10.00	29.1541	27.7981	26.6358	0.0158	0.0148	0.0139	2.50	PASS
		0.00	25.8932	26.3452	24.5050	0.0140	0.0140	0.0128	2.50	PASS
		10.00	26.9587	27.7981	24.1821	0.0146	0.0148	0.0127	2.50	PASS
		20.00	27.2815	22.2772	26.7972	0.0147	0.0118	0.0140	2.50	PASS
		30.00	29.0573	25.0215	25.2152	0.0157	0.0133	0.0132	2.50	PASS
		40.00	29.4770	28.9281	26.7650	0.0159	0.0154	0.0140	2.50	PASS
		50.00	27.7981	25.7641	27.4430	0.0150	0.0137	0.0144	2.50	PASS

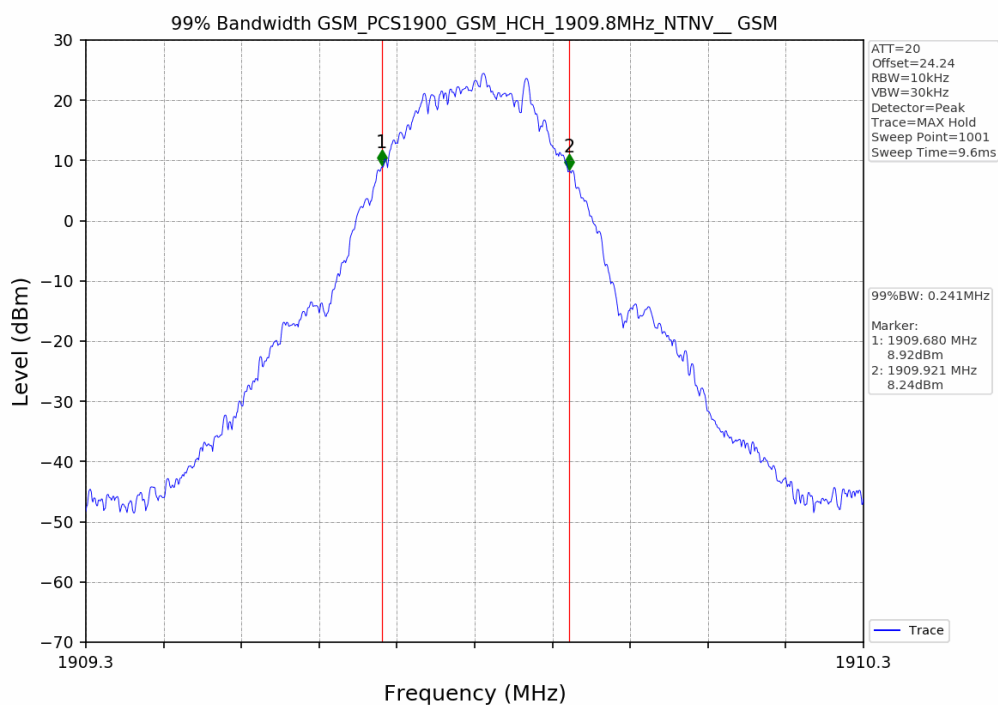
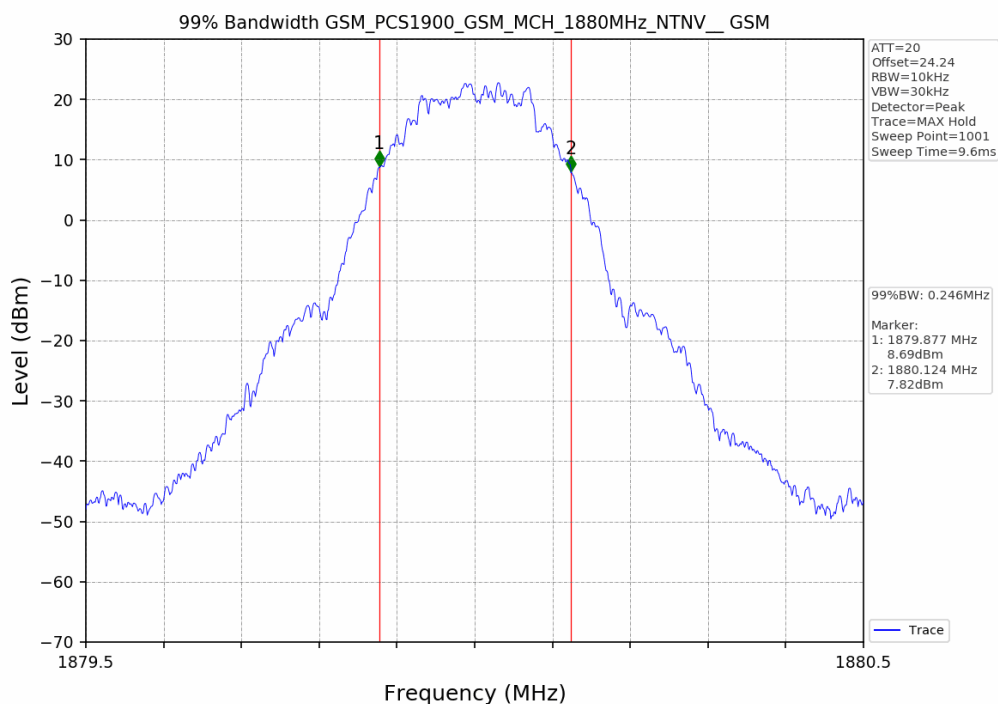
3. 99% & 26dB Bandwidth

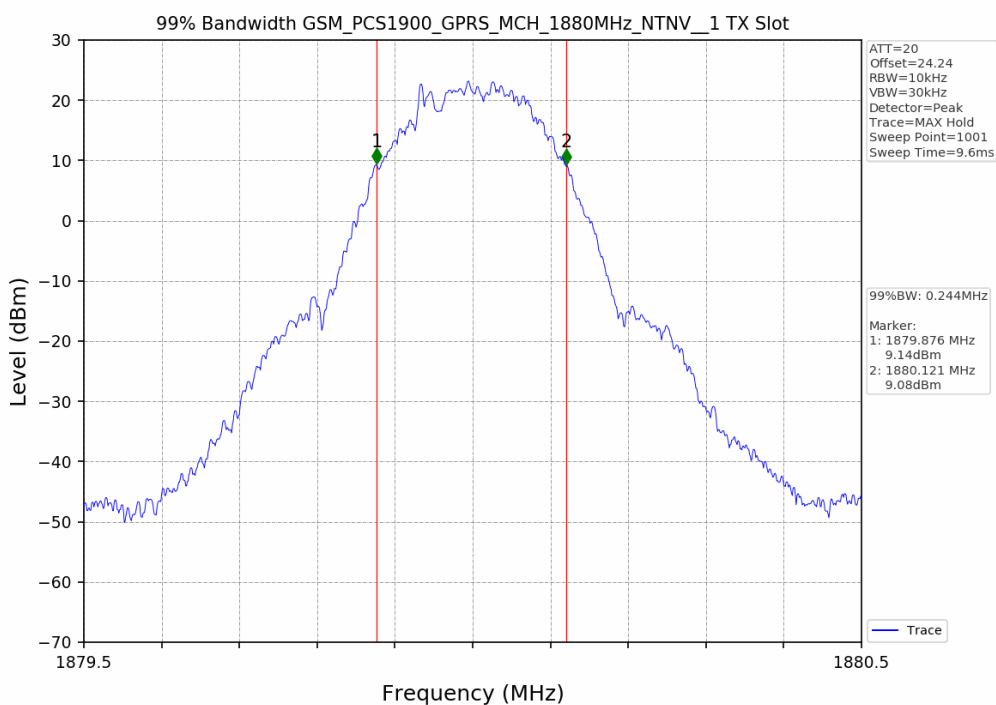
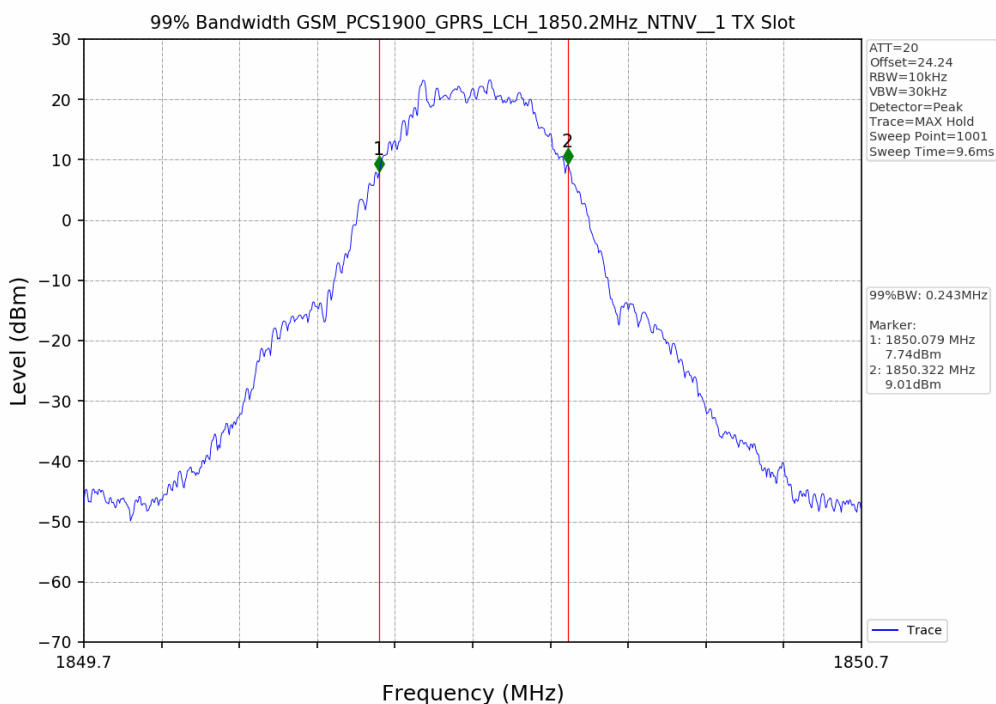
3.1 Test Result

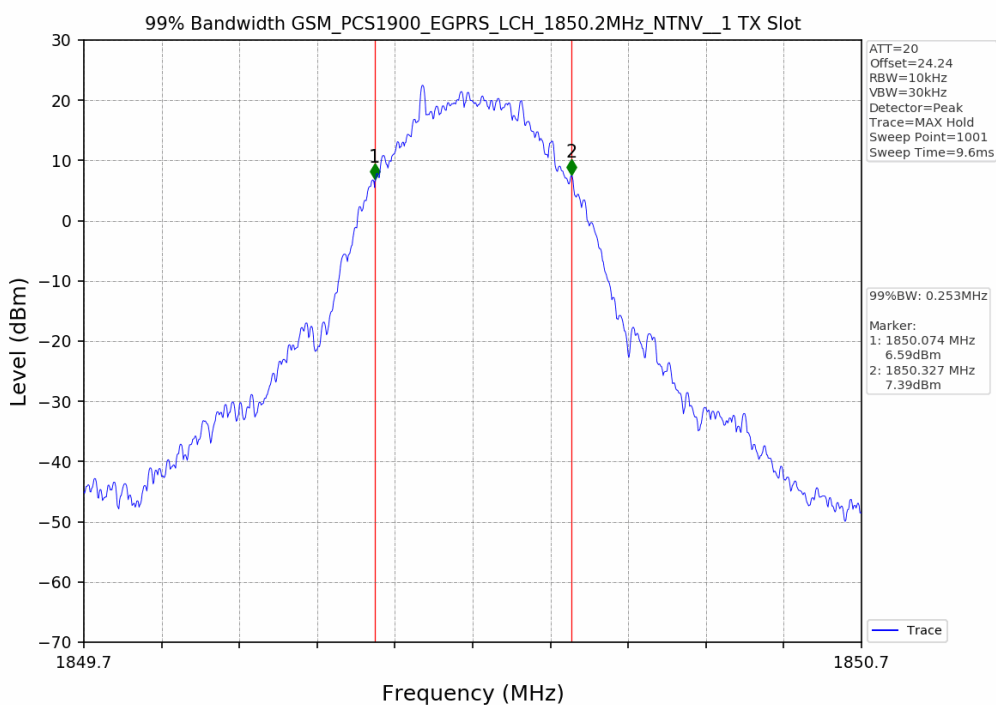
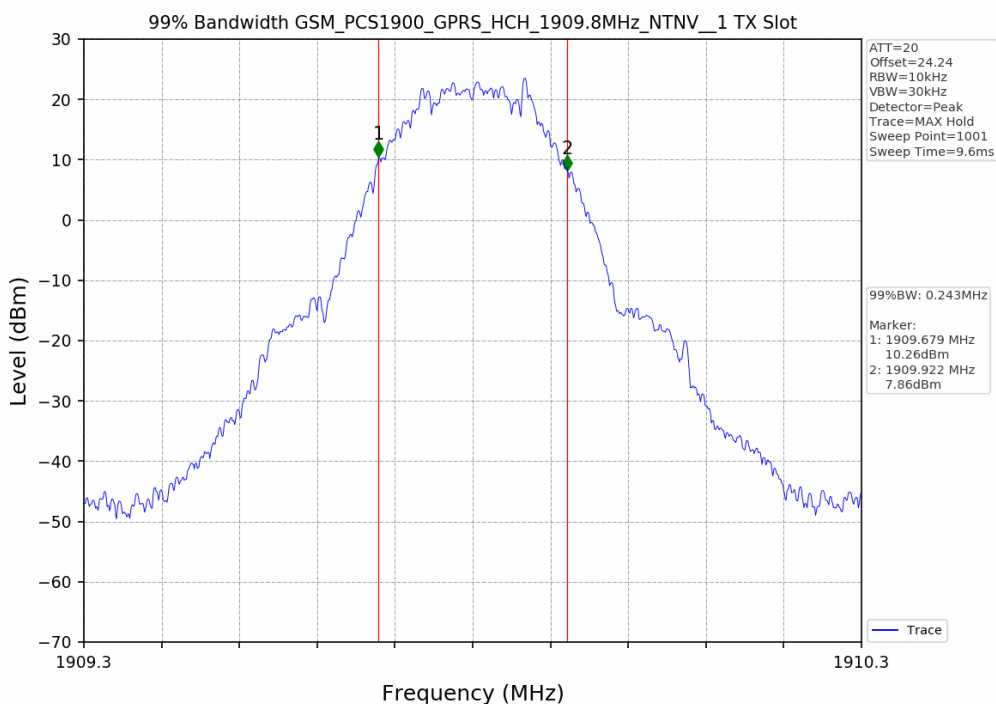
Test Band: PCS1900					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.253	0.251	0.255	N/A	PASS
GPRS	0.243	0.244	0.243	N/A	PASS
GSM	0.247	0.246	0.241	N/A	PASS

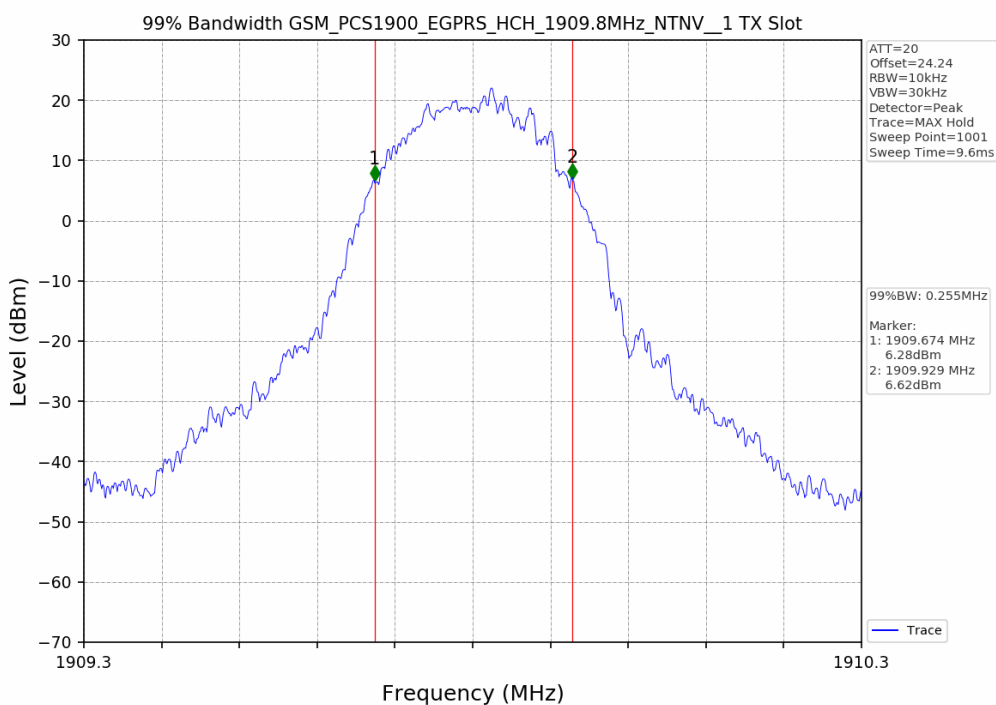
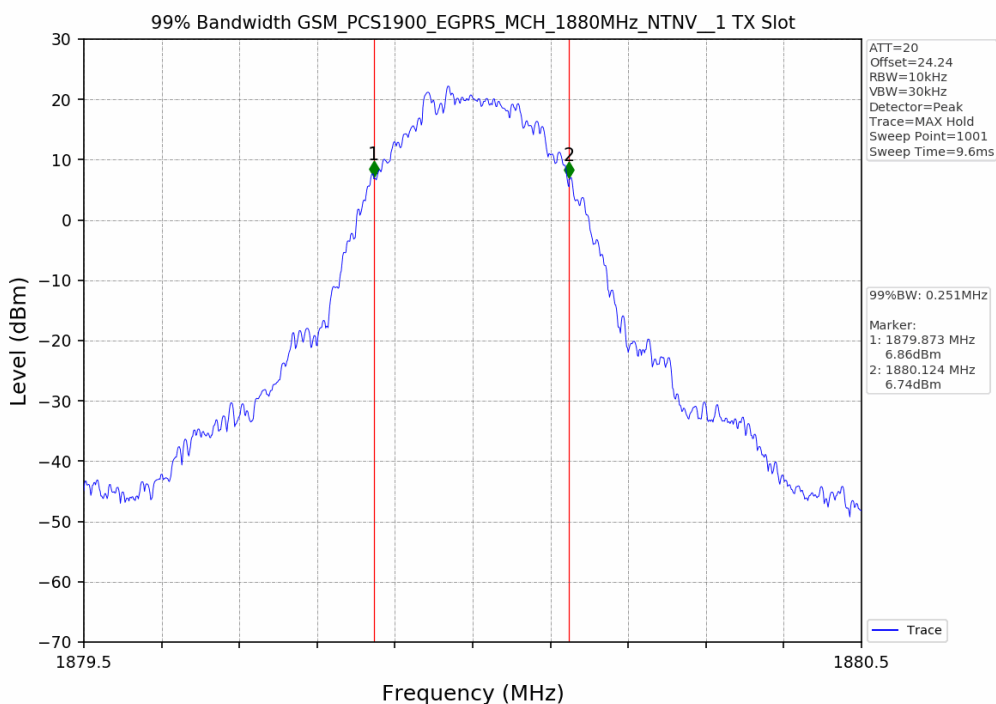
3.2 Test Graph





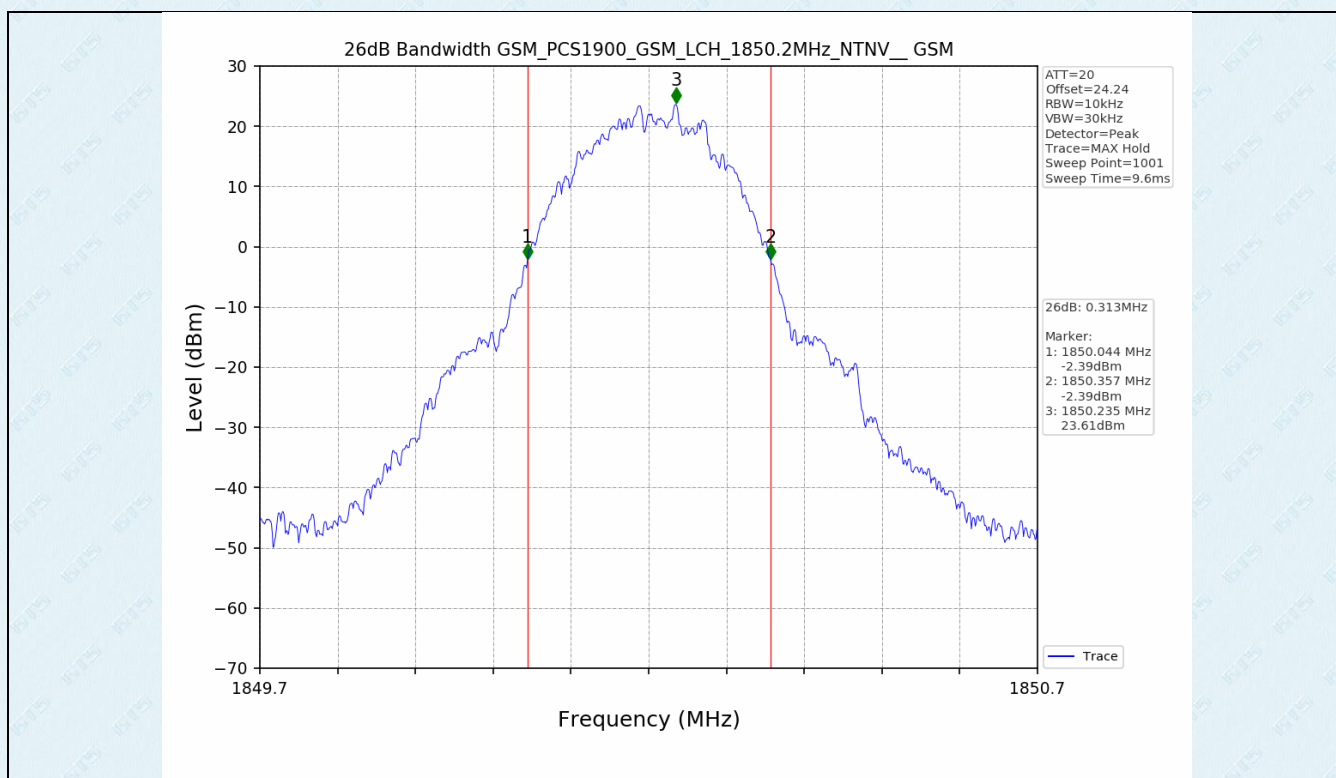


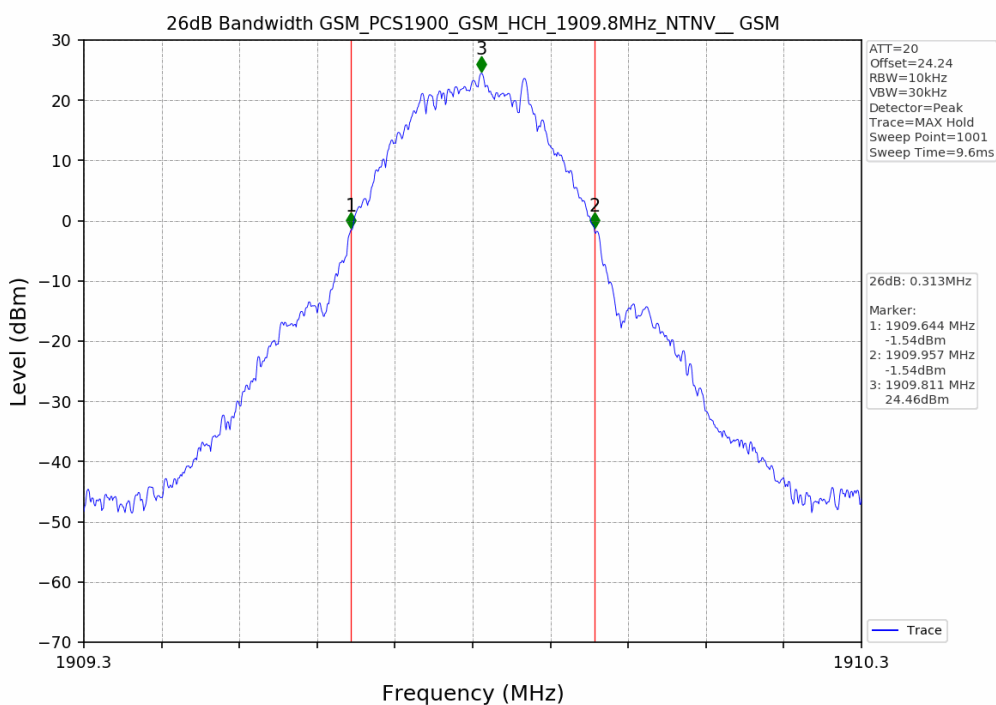
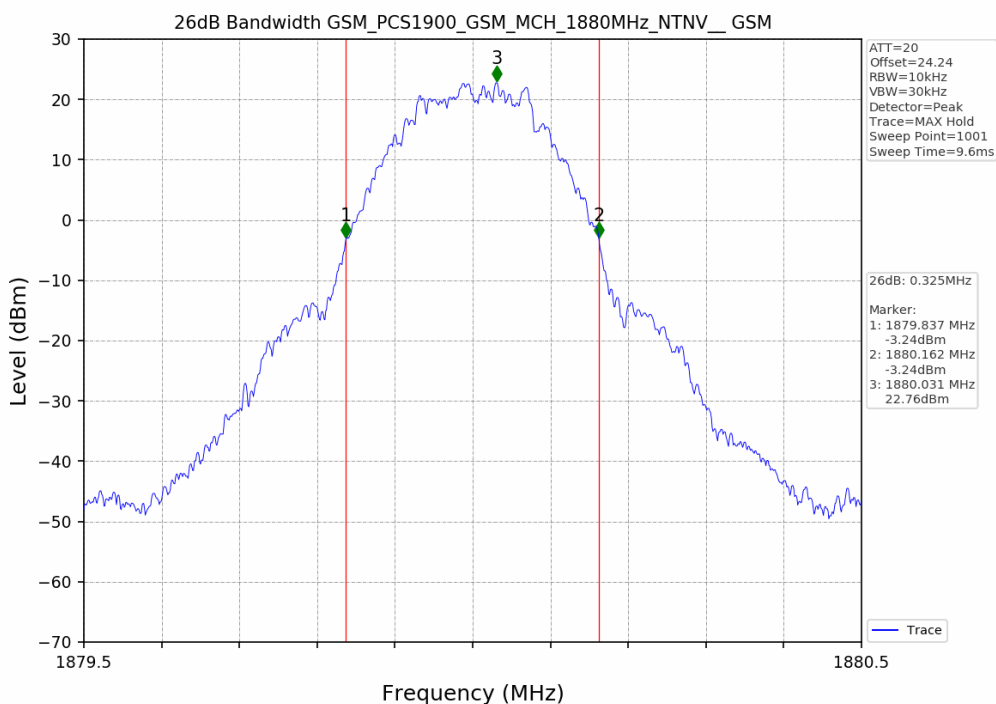


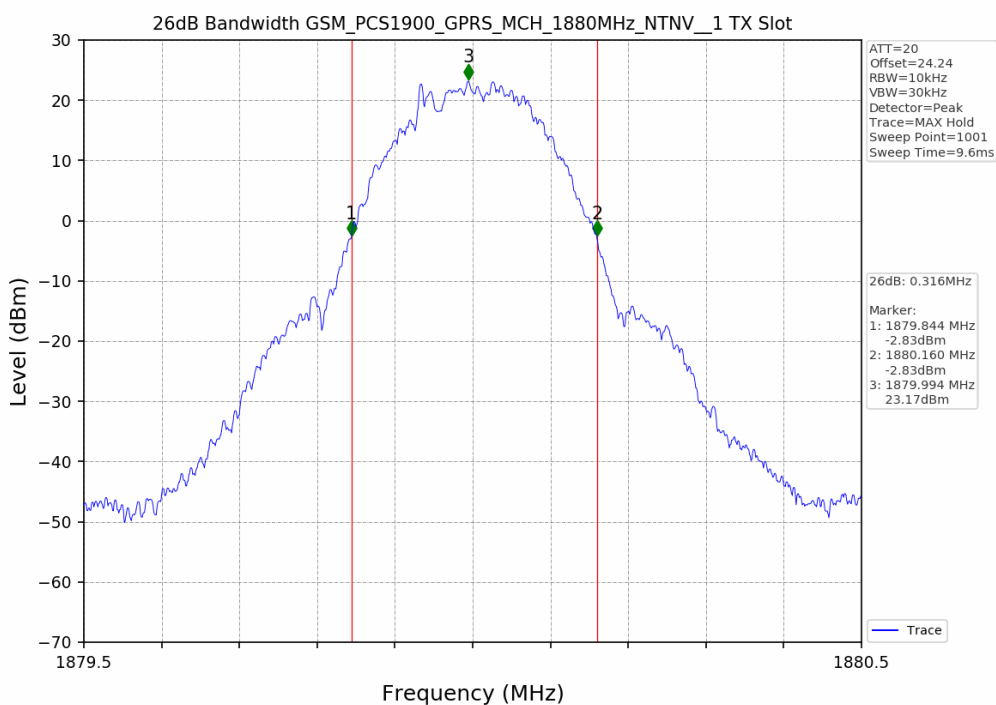
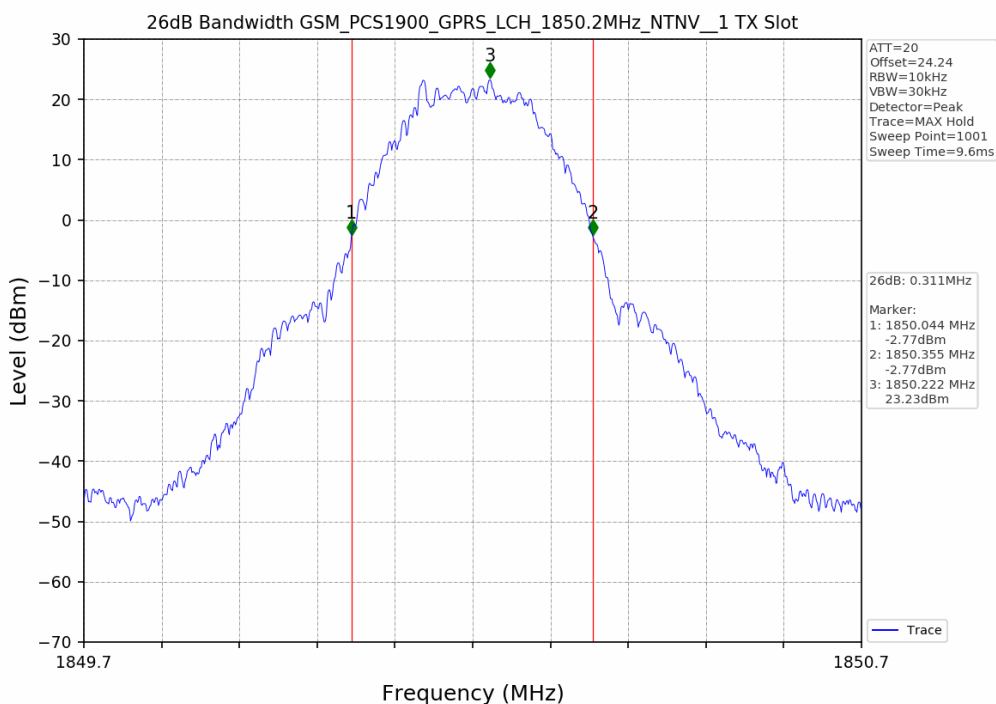


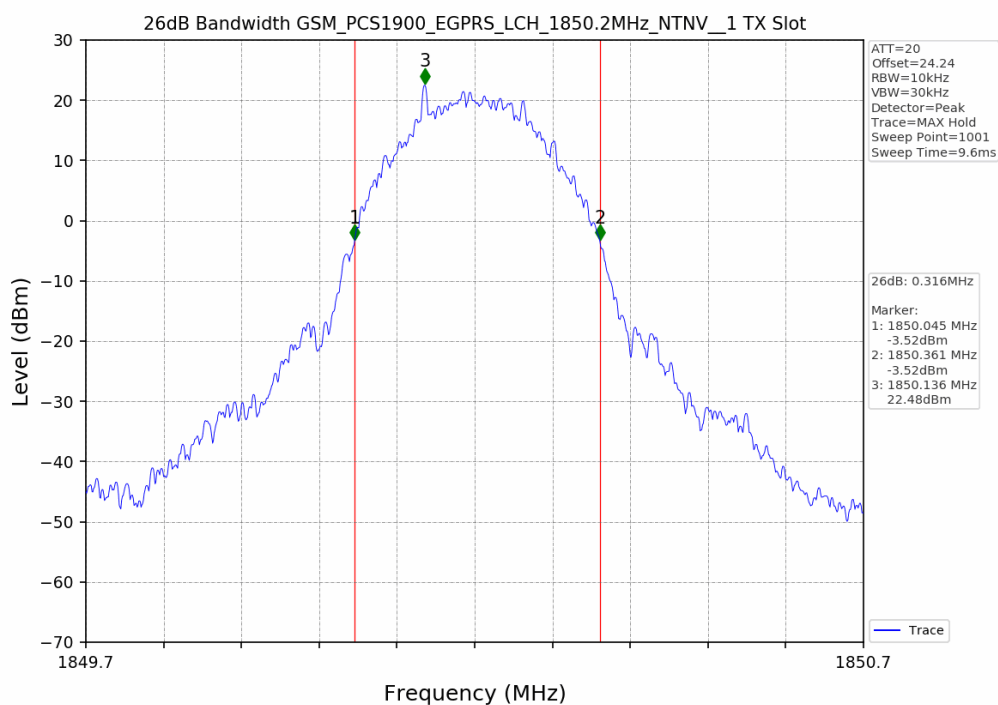
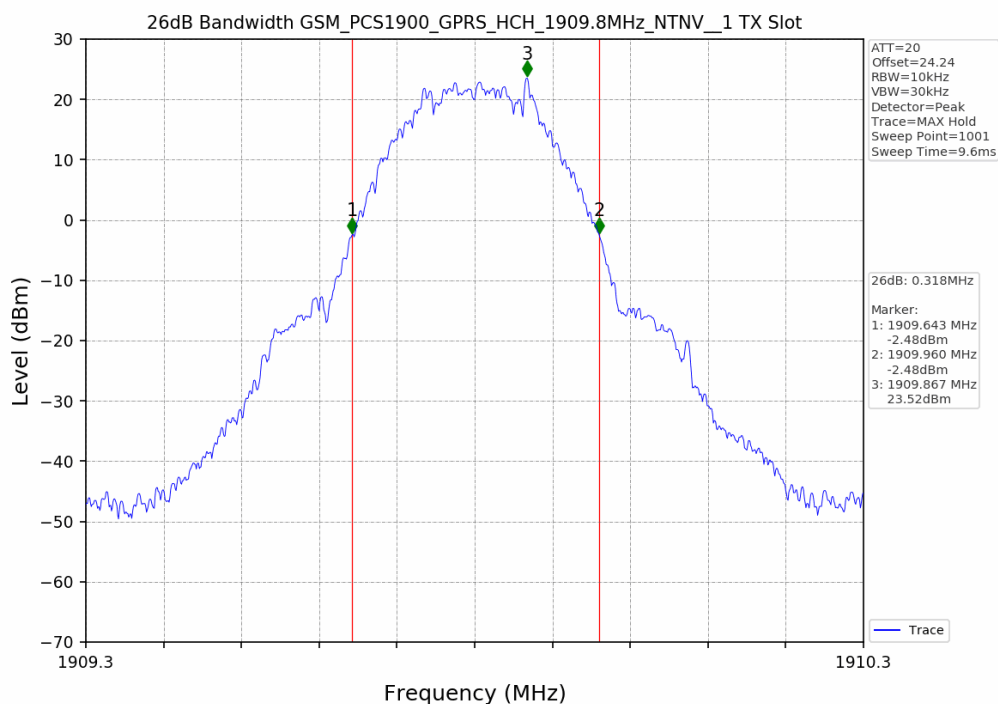
Test Band: PCS1900					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.316	0.323	0.331	N/A	PASS
GPRS	0.311	0.316	0.318	N/A	PASS
GSM	0.313	0.325	0.313	N/A	PASS

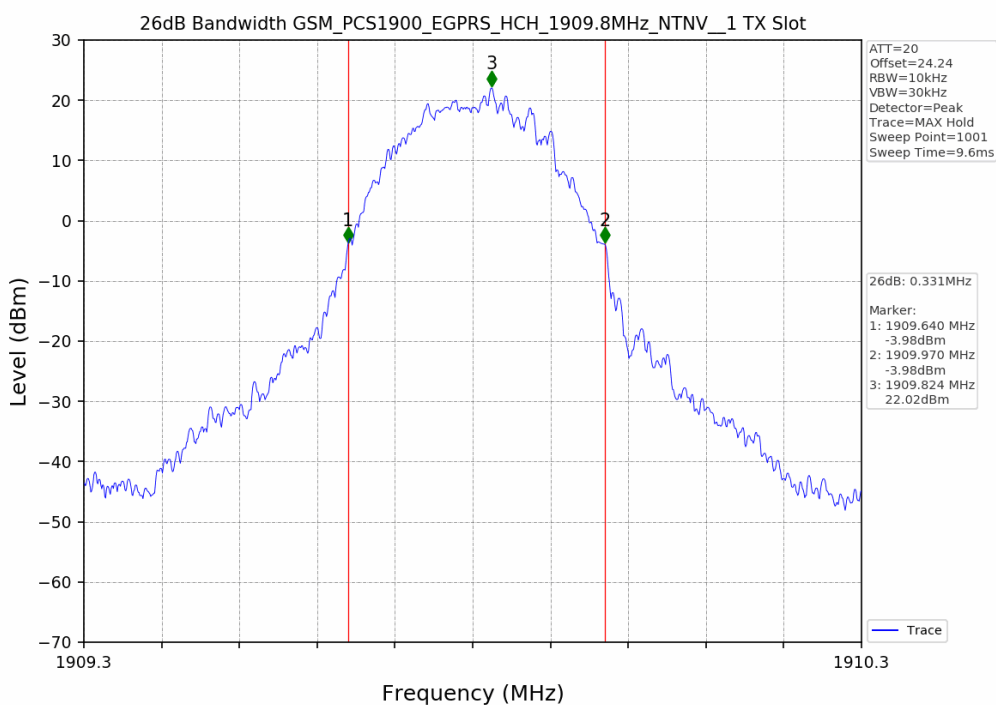
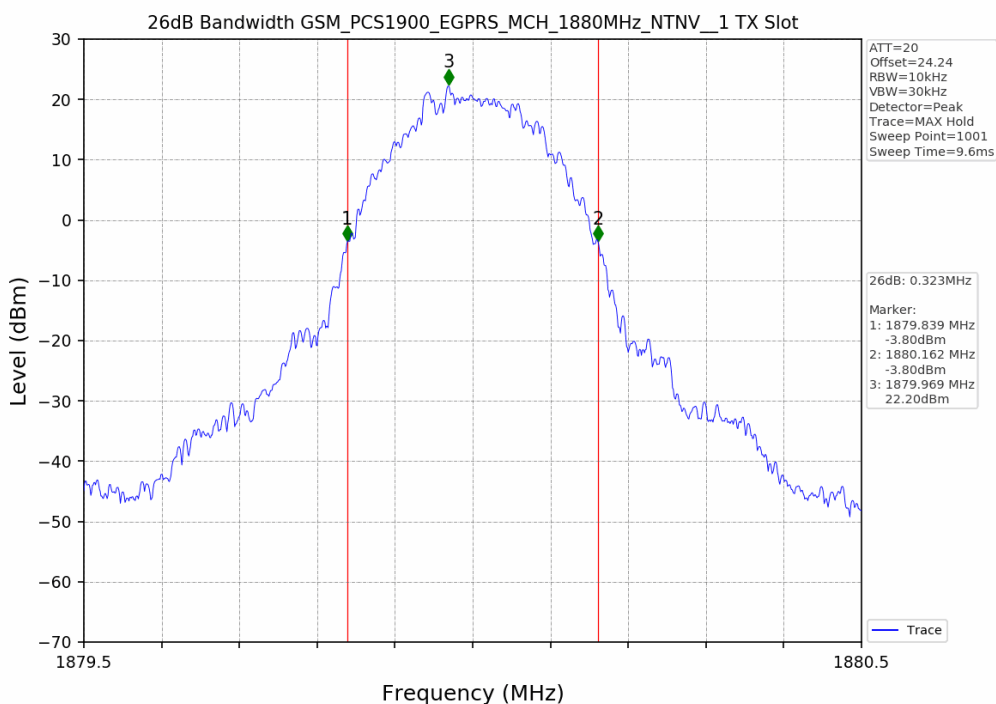
3.2 Test Graph









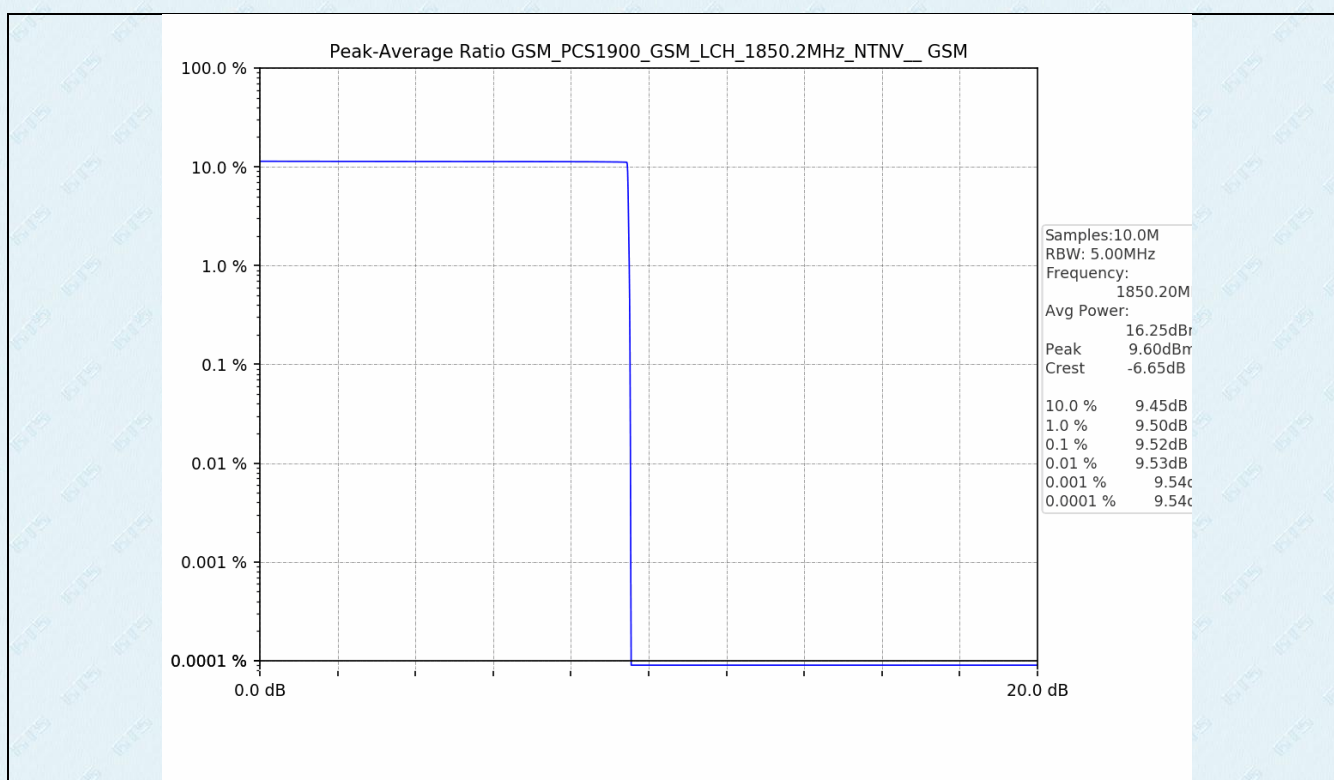


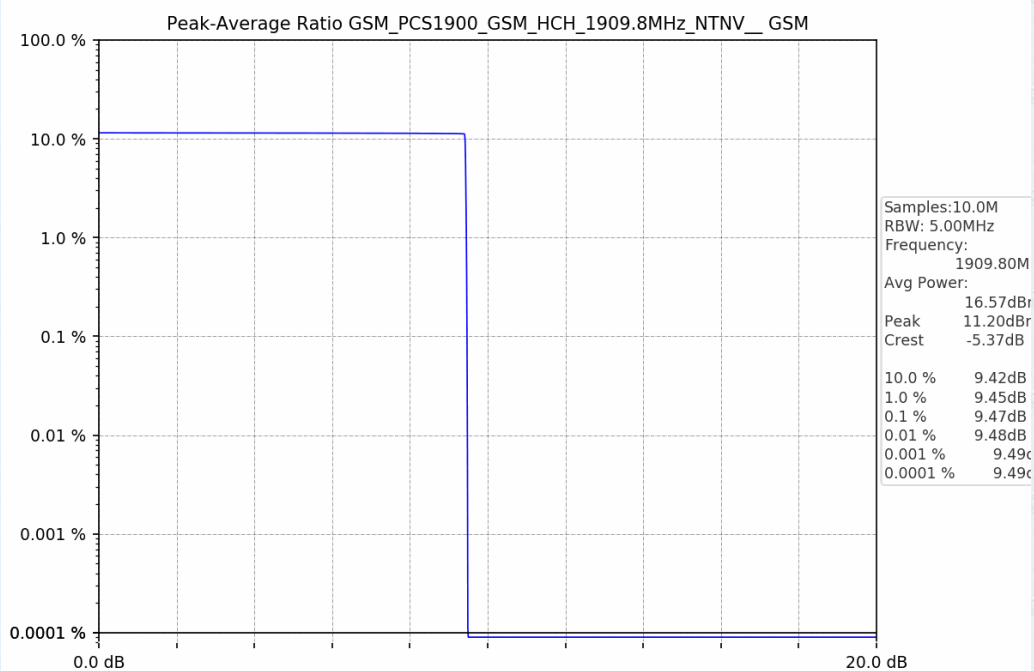
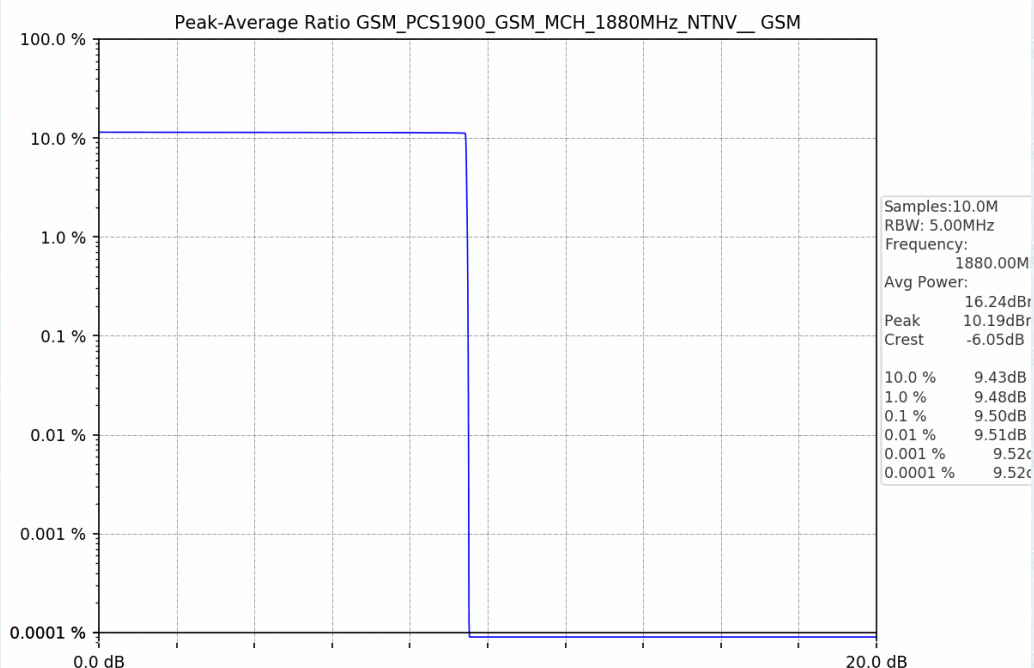
4. Peak-Average Ratio

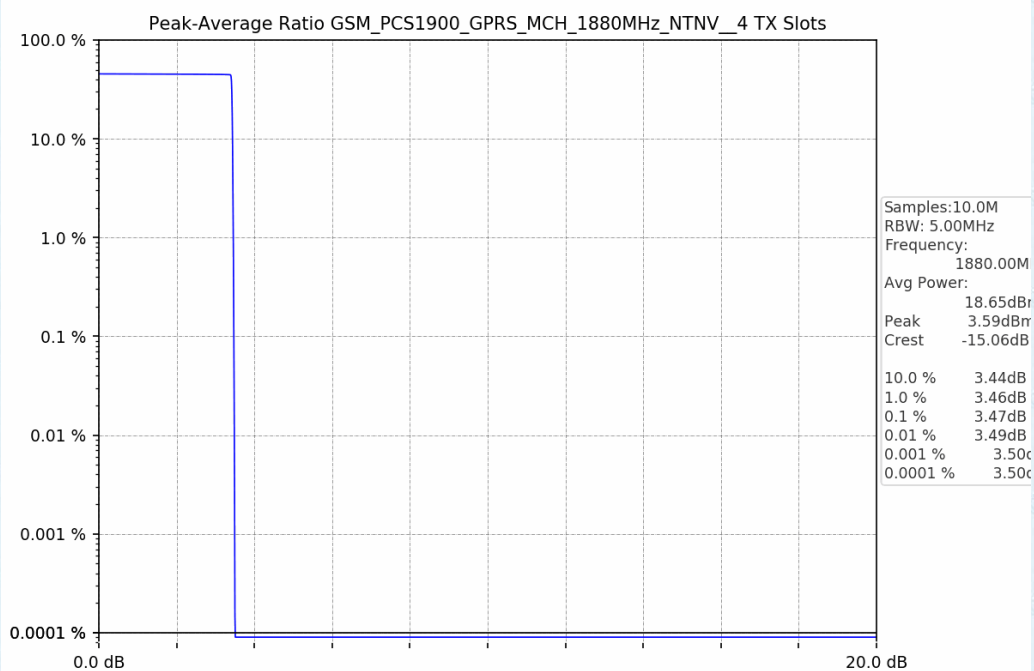
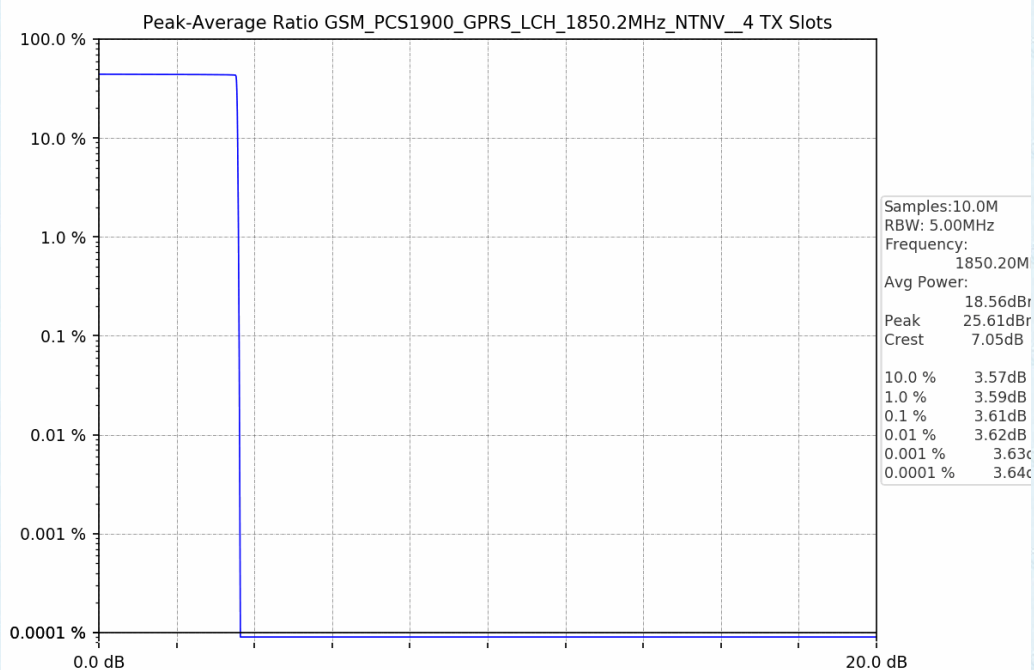
4.1 Test Result

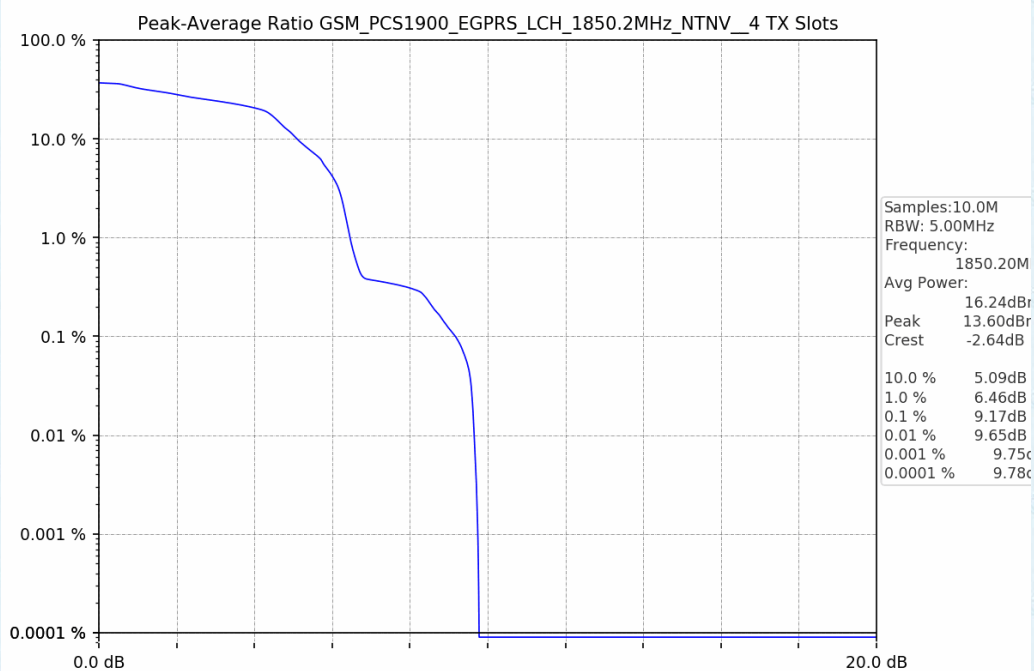
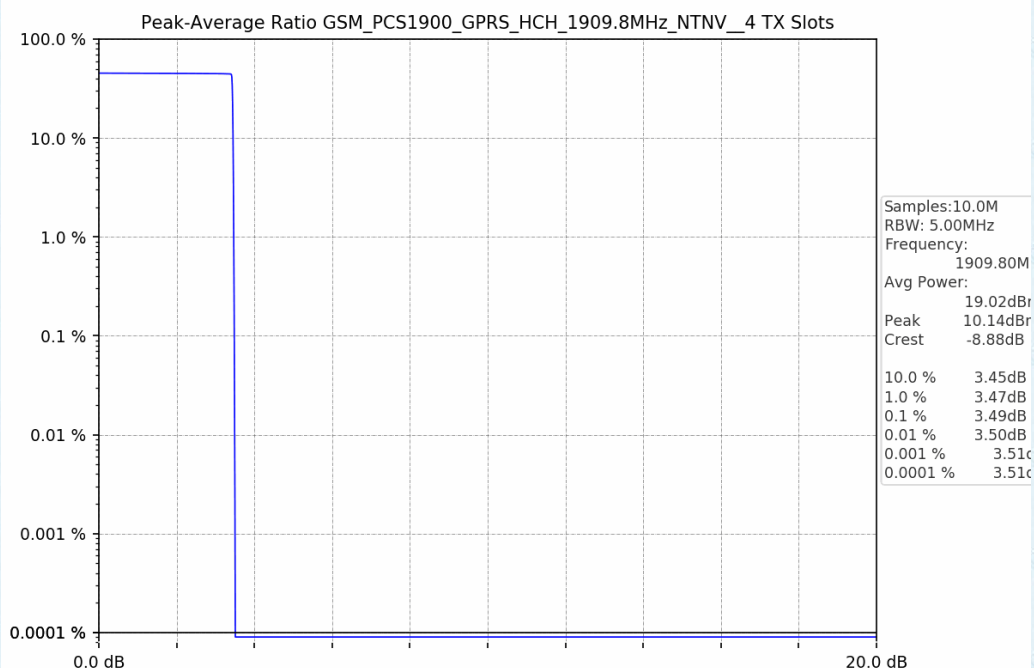
Test Band: PCS1900					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
EGPRS	9.17	9.17	9.00	13	PASS
GPRS	3.61	3.47	3.49	13	PASS
GSM	9.52	9.50	9.47	13	PASS

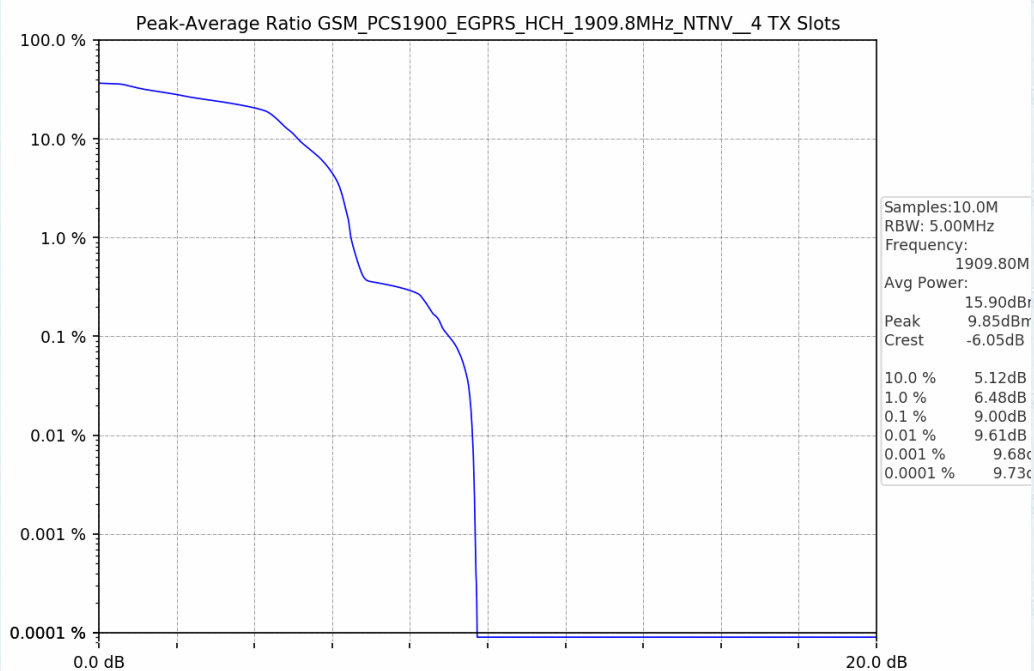
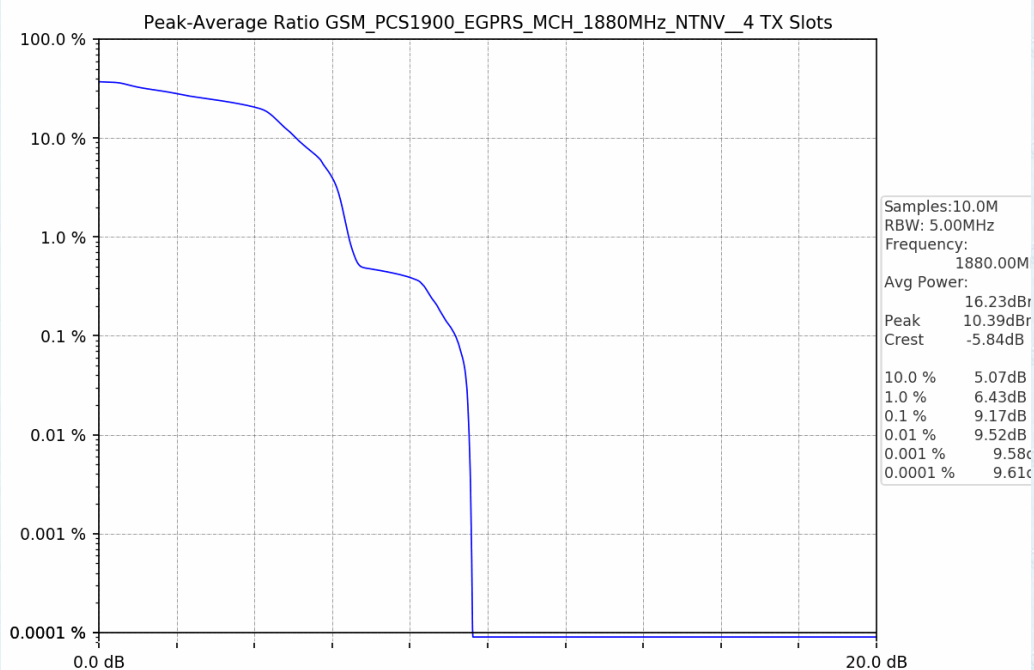
4.2 Test Graph





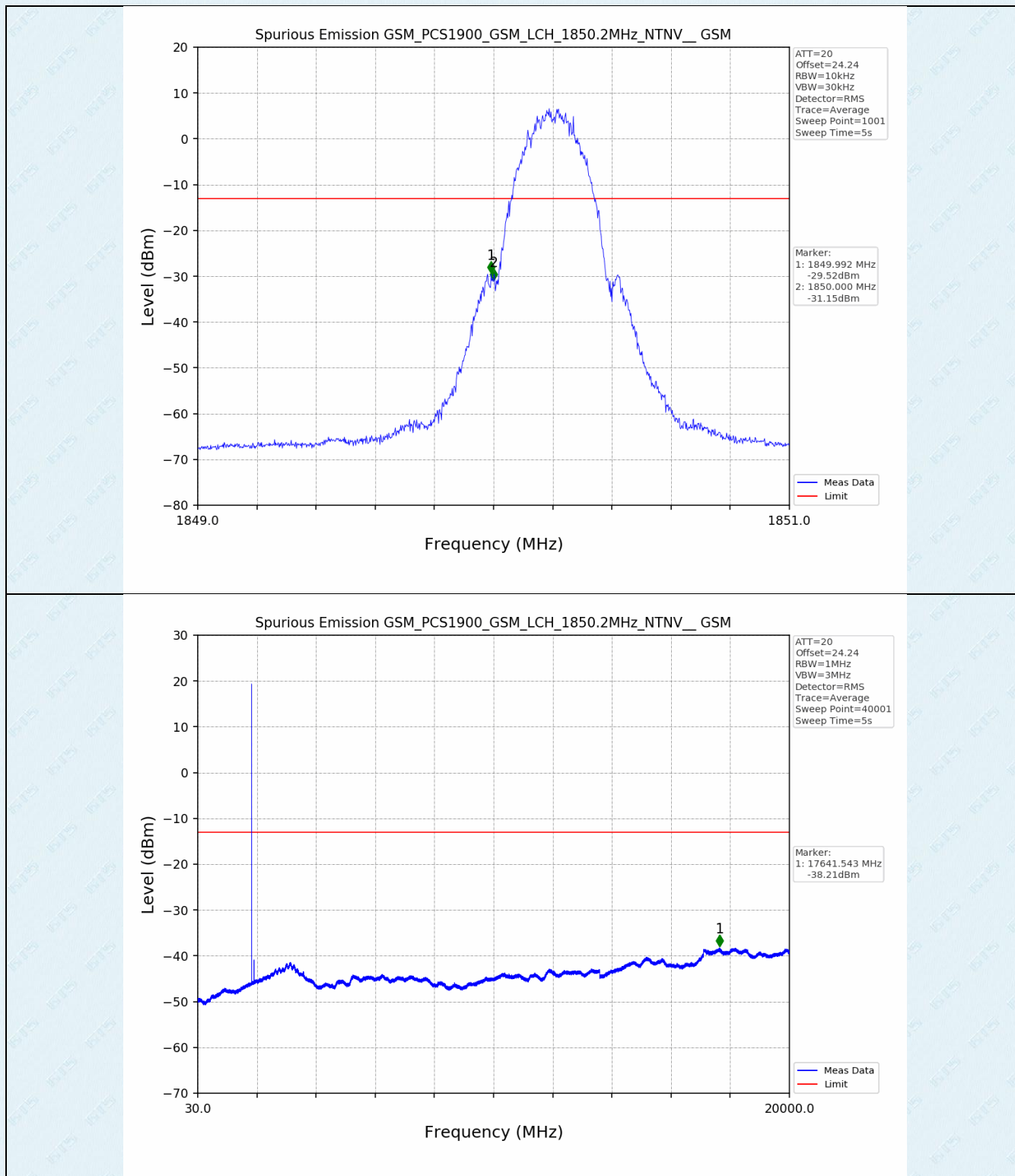


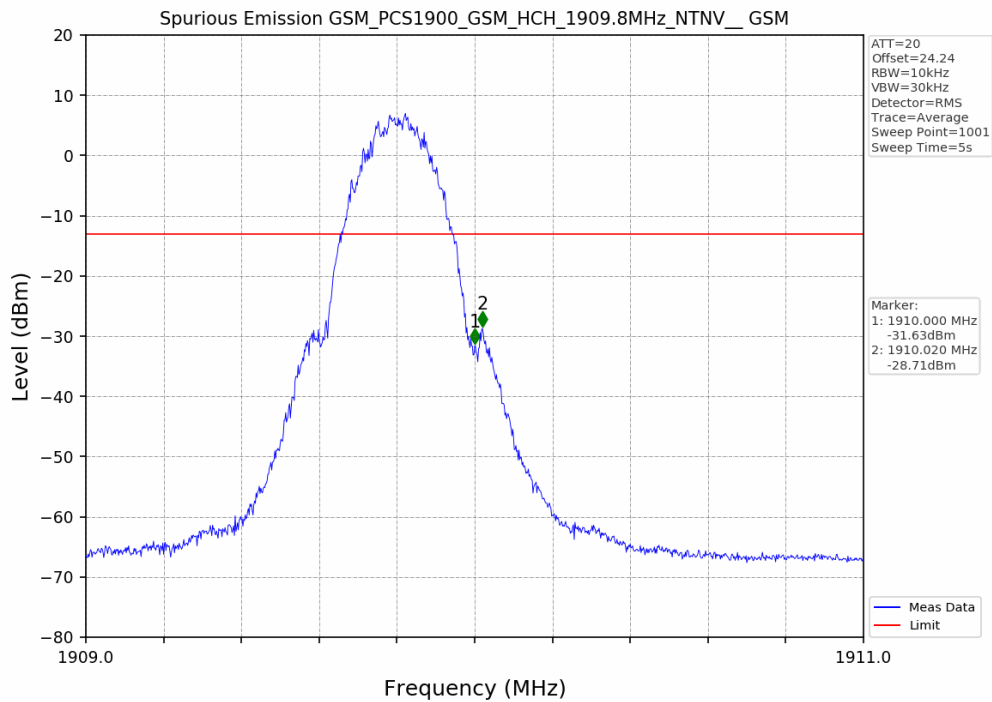
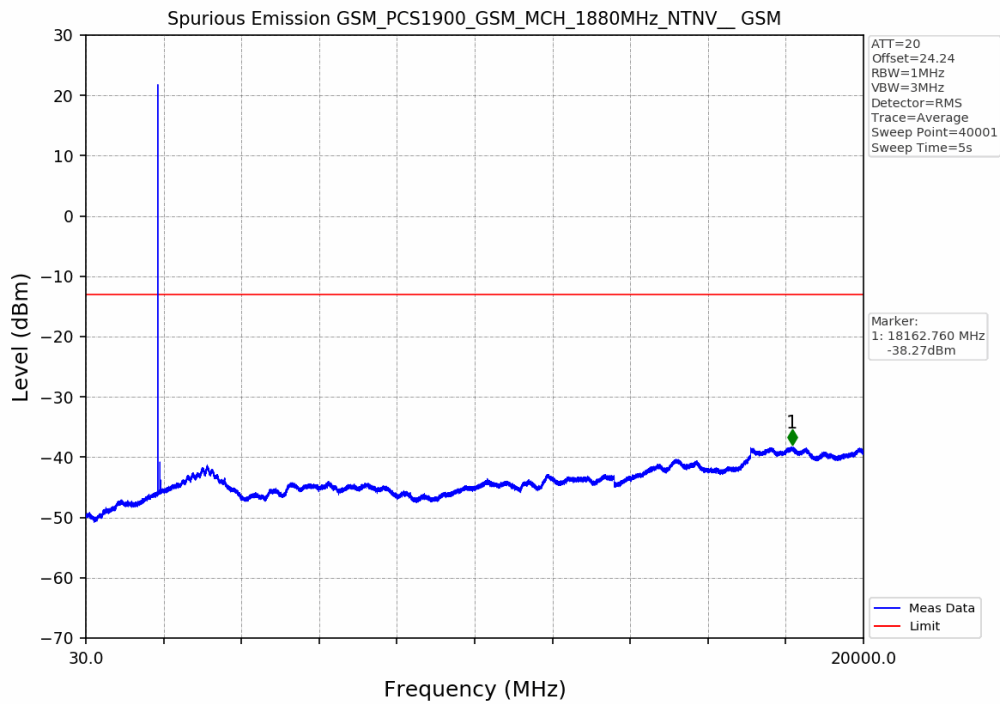


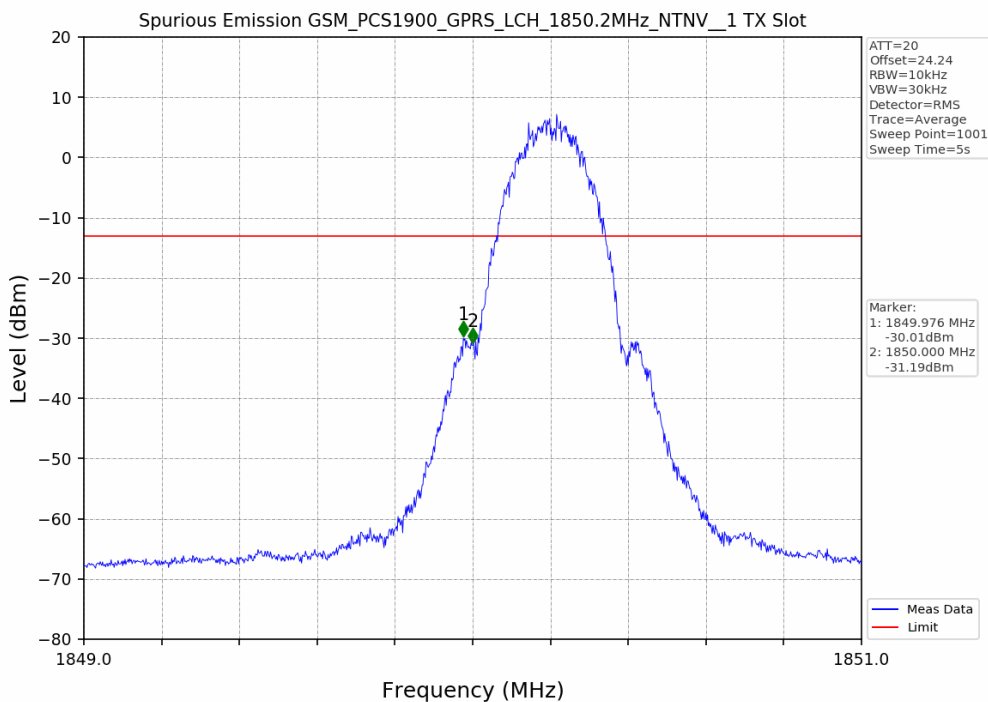
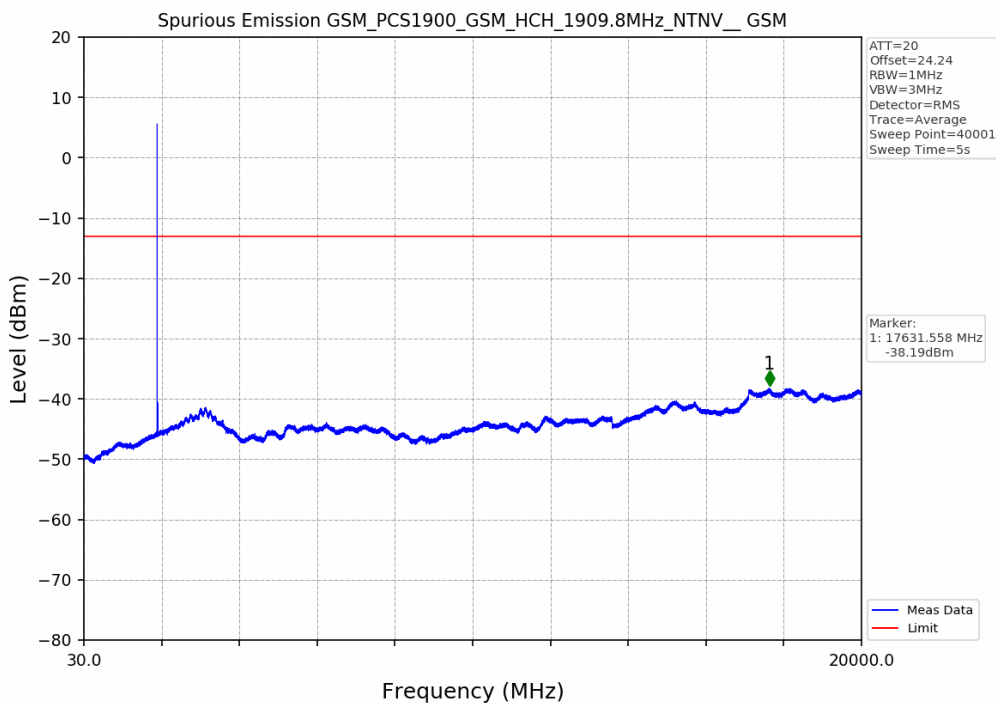


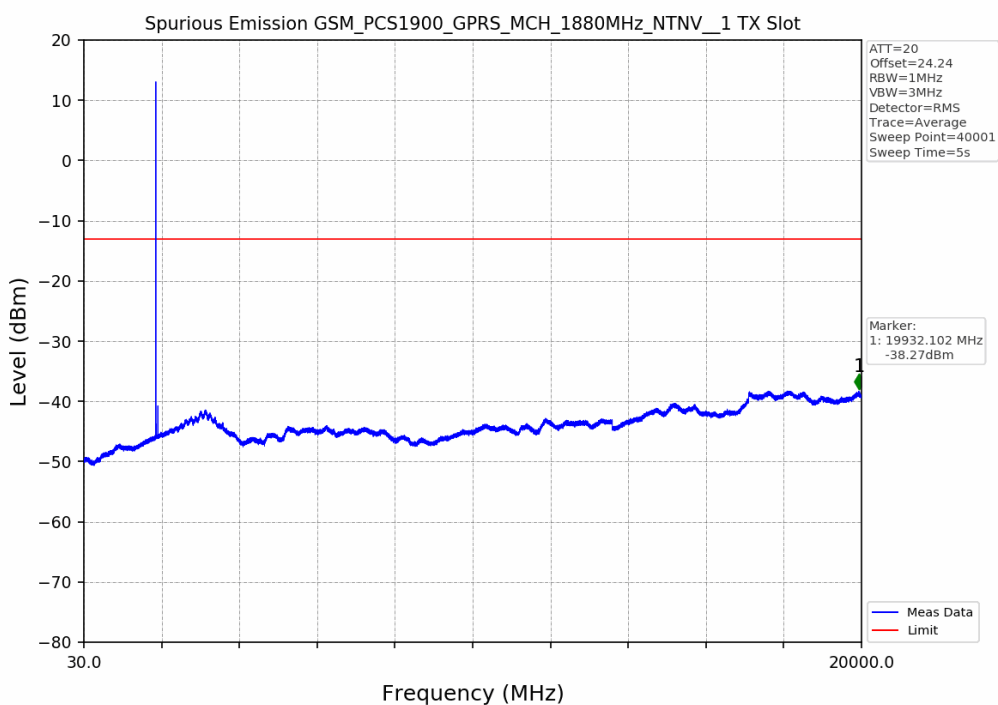
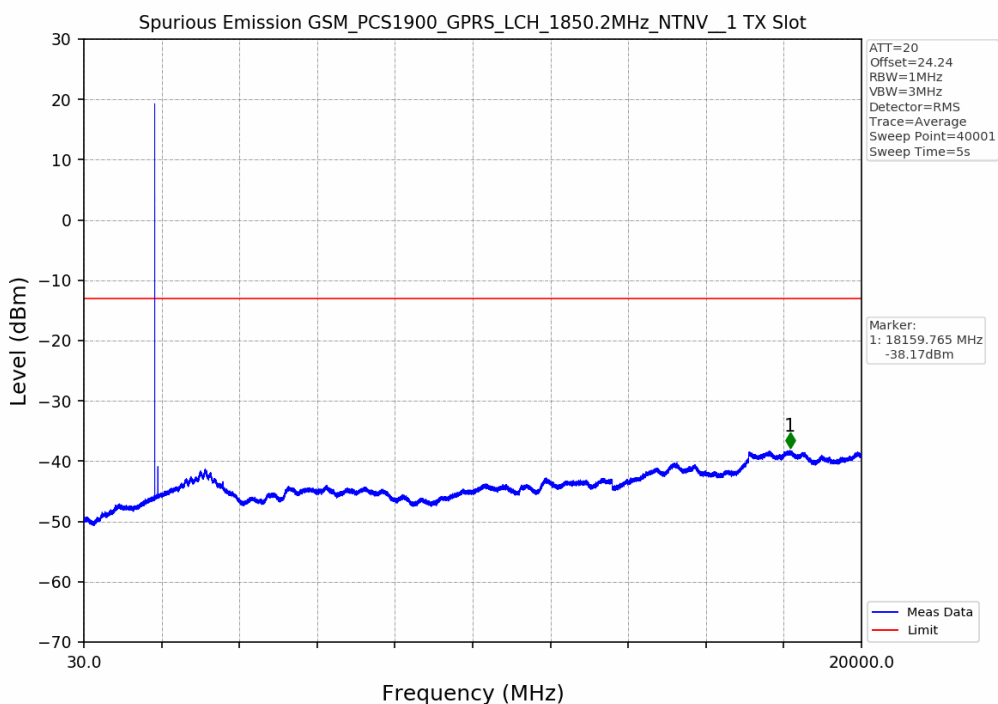
5. Spurious Emission

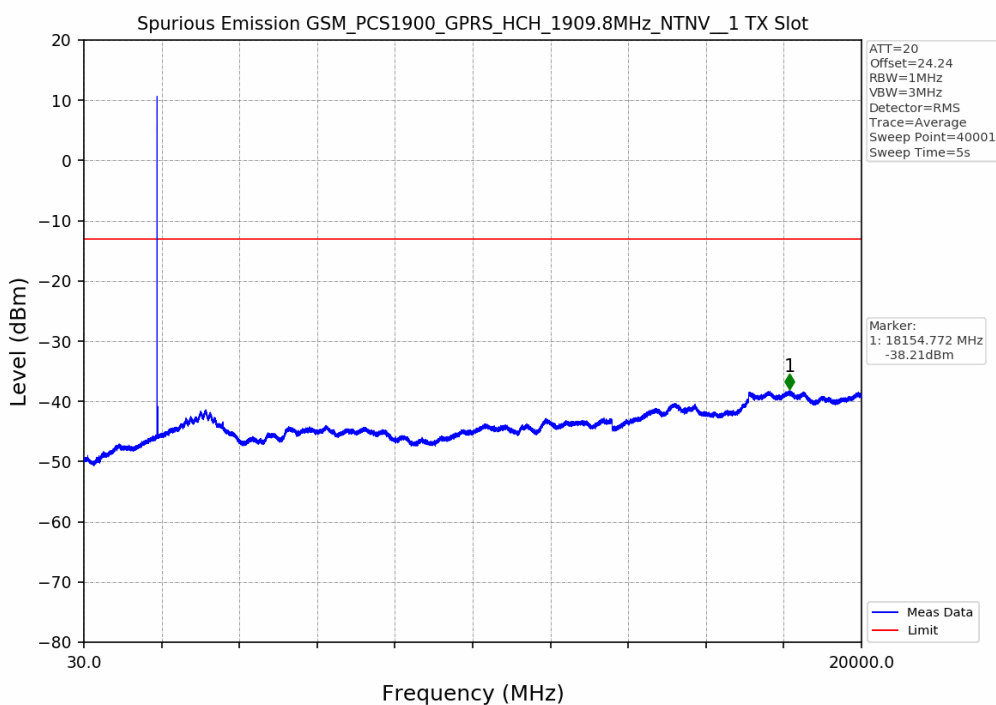
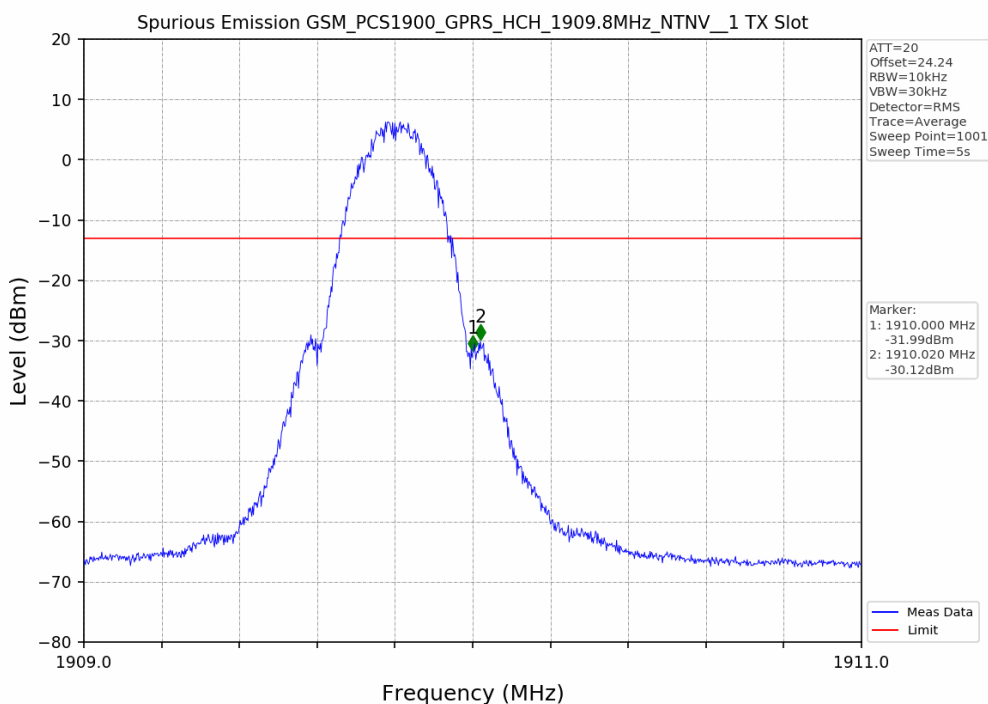
5.1 Test Graph

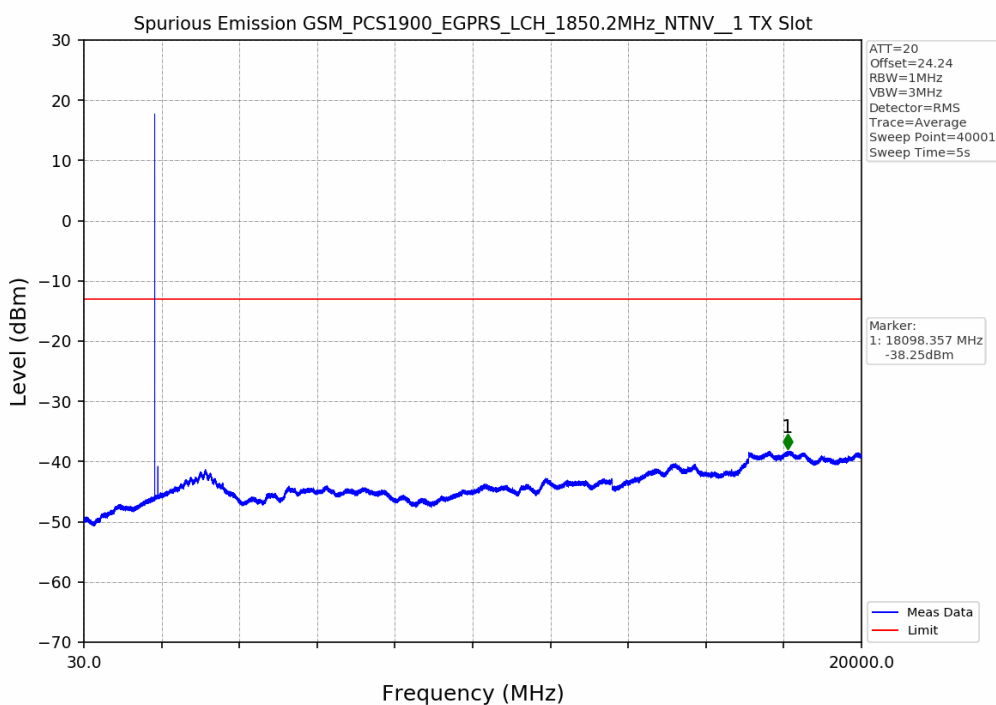
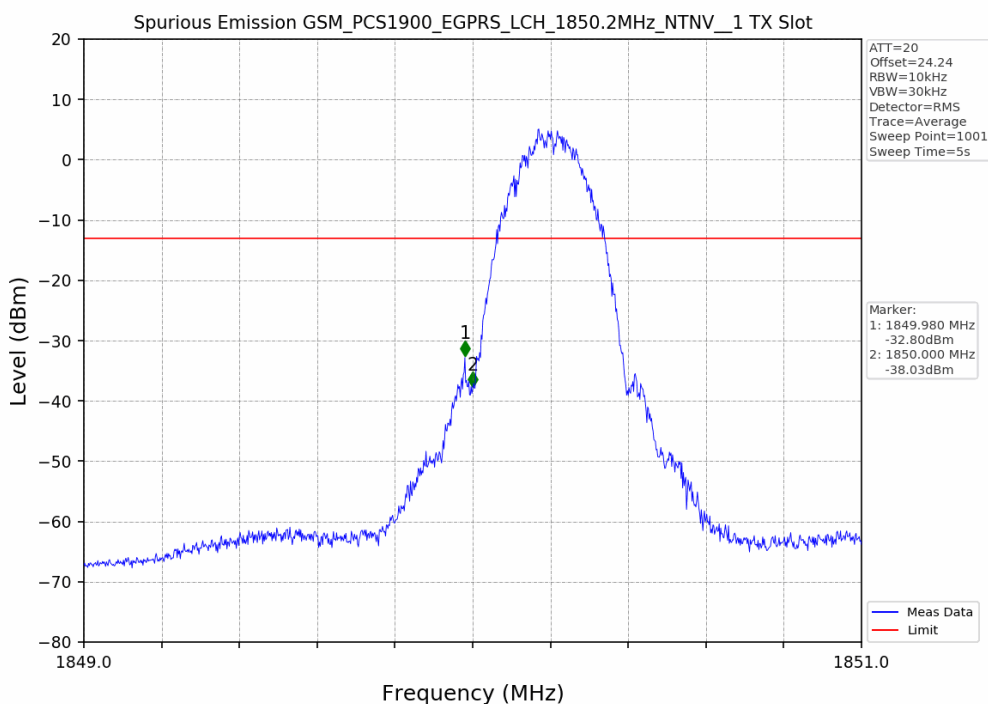


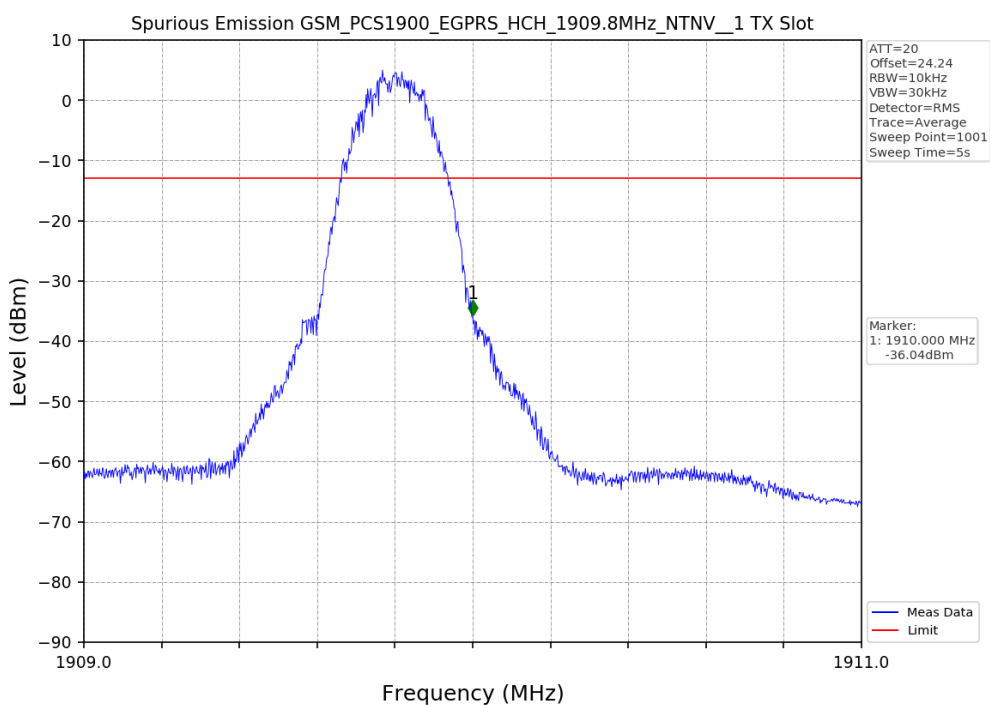
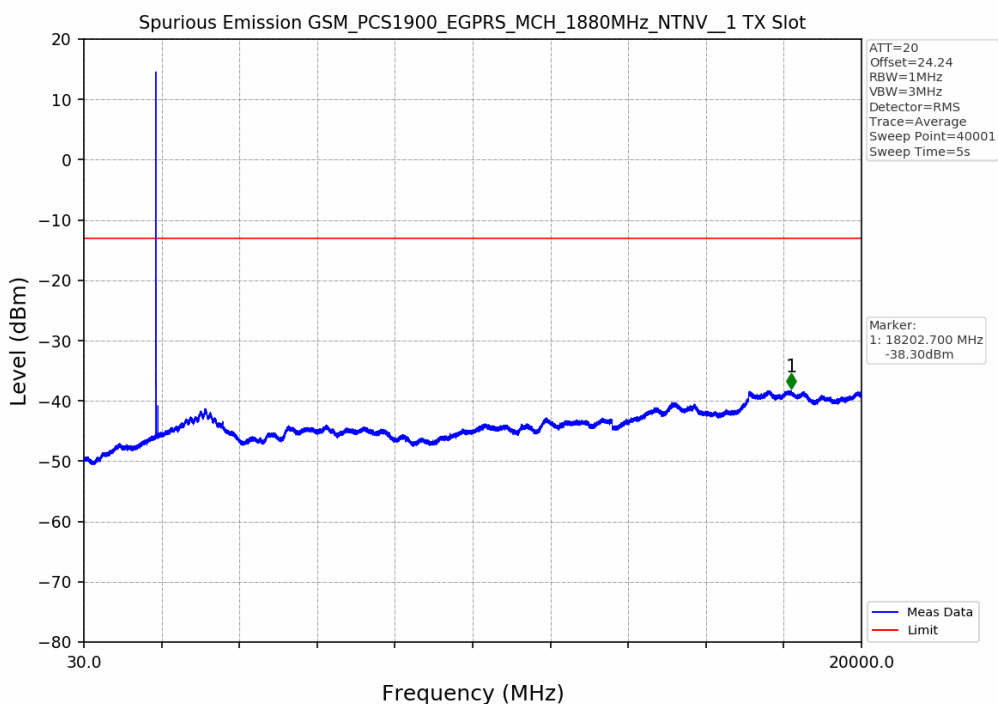


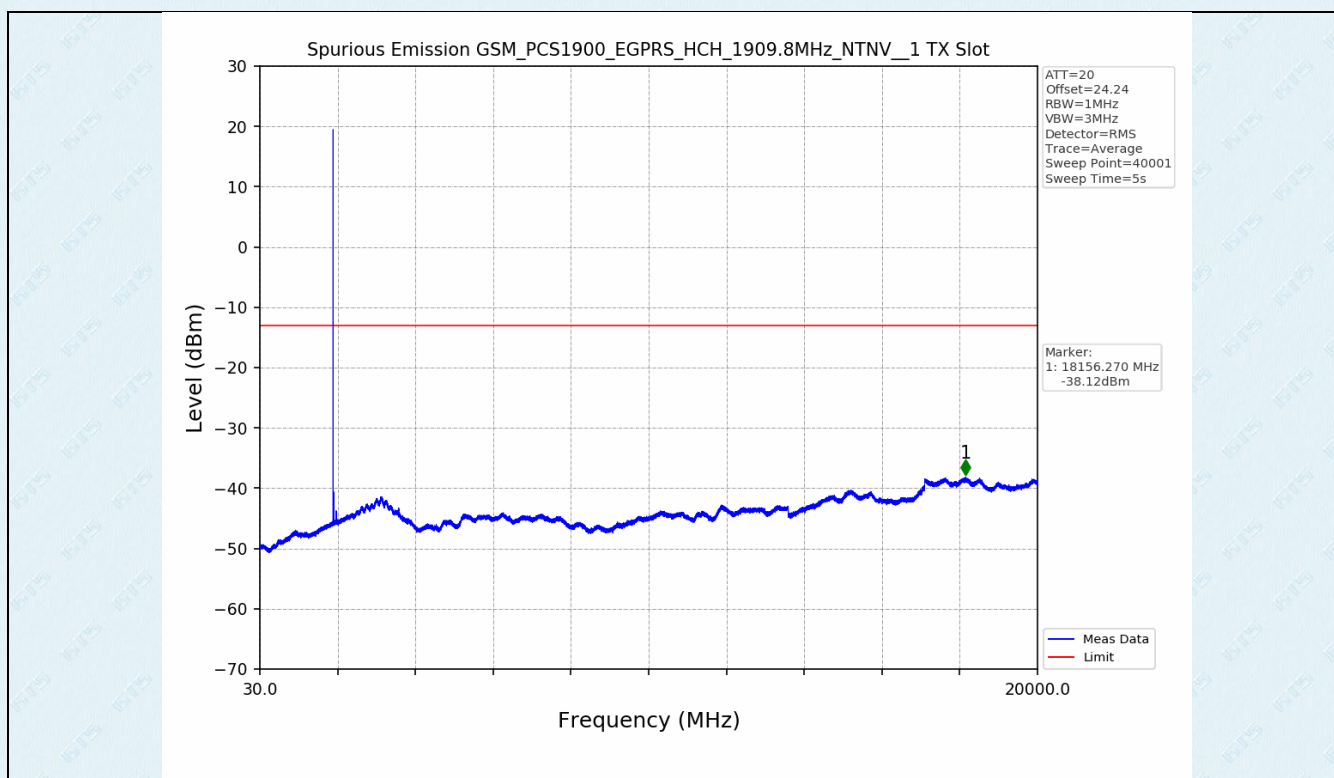












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