

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	27.07	27.31	28.18	/	0.83	27.90	28.14	29.01	33.01	PASS
	2 TX Slots	27.05	27.30	28.15	/	0.83	27.88	28.13	28.98	33.01	PASS
	3 TX Slots	25.47	25.67	26.58	/	0.83	26.30	26.50	27.41	33.01	PASS
	4 TX Slots	23.39	23.64	24.48	/	0.83	24.22	24.47	25.31	33.01	PASS
GPRS	1 TX Slot	27.12	27.29	28.15	/	0.83	27.95	28.12	28.98	33.01	PASS
	2 TX Slots	27.11	27.29	28.14	/	0.83	27.94	28.12	28.97	33.01	PASS
	3 TX Slots	25.49	25.66	26.56	/	0.83	26.32	26.49	27.39	33.01	PASS
	4 TX Slots	23.40	23.62	24.46	/	0.83	24.23	24.45	25.29	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	6.9737	3.8743	9.5566	0.0038	0.0021	0.0050	2.50	PASS
		NV	0.0000	-4.9074	-2.2923	0.0000	-0.0026	-0.0012	2.50	PASS
		HV	-11.1709	-2.0017	-10.7835	-0.0060	-0.0011	-0.0056	2.50	PASS
GPRS	NT	LV	-0.9363	7.3289	-5.3272	-0.0005	0.0039	-0.0028	2.50	PASS
		NV	0.2906	13.6892	-12.3332	0.0002	0.0073	-0.0065	2.50	PASS
		HV	11.2678	9.2338	-19.0164	0.0061	0.0049	-0.0100	2.50	PASS

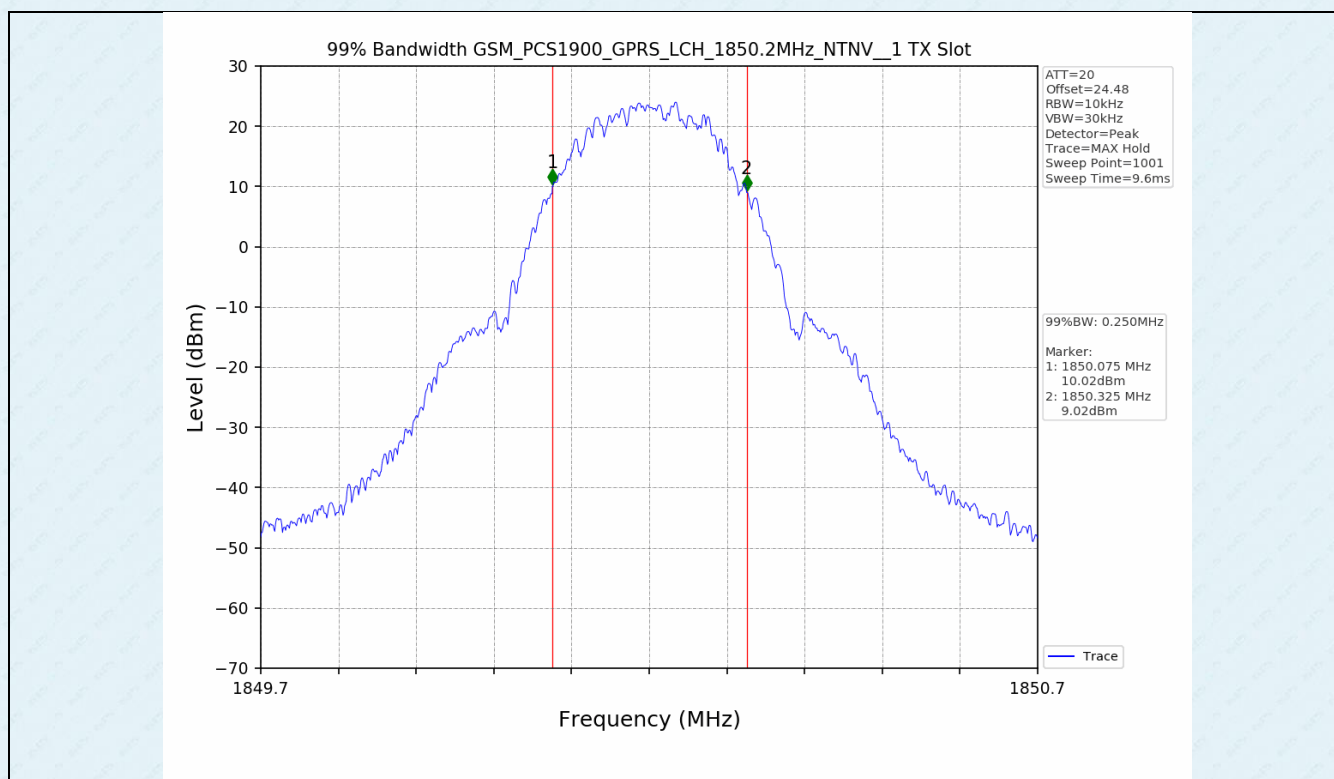
Test Band: PCS1900 (Frequency Error VS. Temperature)										
Test Mode	Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
EGPRS	NV	-30.00	-3.5514	-11.9780	2.0986	-0.0019	-0.0064	0.0011	2.50	PASS
		-20.00	1.0654	-3.6483	6.0375	0.0006	-0.0019	0.0032	2.50	PASS
		-10.00	-11.0418	-5.5855	-3.1640	-0.0060	-0.0030	-0.0017	2.50	PASS
		0.00	8.7495	12.6560	-12.9466	0.0047	0.0067	-0.0068	2.50	PASS
		10.00	-12.5269	2.0340	0.4520	-0.0068	0.0011	0.0002	2.50	PASS
		20.00	5.7469	1.1300	-5.4886	0.0031	0.0006	-0.0029	2.50	PASS
		30.00	-2.7766	-4.0357	-0.0323	-0.0015	-0.0021	0.0000	2.50	PASS
		40.00	7.1352	8.8140	-14.4964	0.0039	0.0047	-0.0076	2.50	PASS
		50.00	13.8829	-8.8140	11.7520	0.0075	-0.0047	0.0062	2.50	PASS
GPRS	NV	-30.00	8.0715	11.3323	-10.9449	0.0044	0.0060	-0.0057	2.50	PASS
		-20.00	10.9126	11.3646	-3.1963	0.0059	0.0060	-0.0017	2.50	PASS
		-10.00	10.1700	17.0792	-7.3289	0.0055	0.0091	-0.0038	2.50	PASS
		0.00	9.1046	13.6246	-13.9475	0.0049	0.0072	-0.0073	2.50	PASS
		10.00	10.4606	-4.0034	-8.4912	0.0057	-0.0021	-0.0044	2.50	PASS
		20.00	7.7809	-4.0680	-13.1403	0.0042	-0.0022	-0.0069	2.50	PASS
		30.00	5.3595	-9.2983	-17.4989	0.0029	-0.0049	-0.0092	2.50	PASS
		40.00	6.6832	-12.4946	-20.5015	0.0036	-0.0066	-0.0107	2.50	PASS
		50.00	10.9126	-4.6492	14.8515	0.0059	-0.0025	0.0078	2.50	PASS

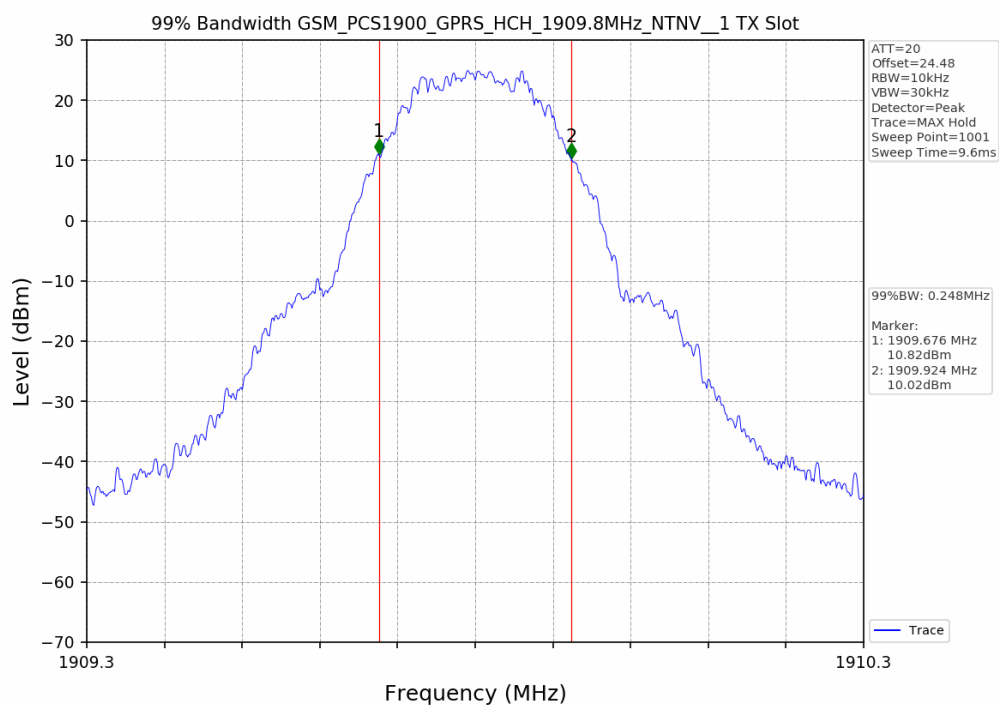
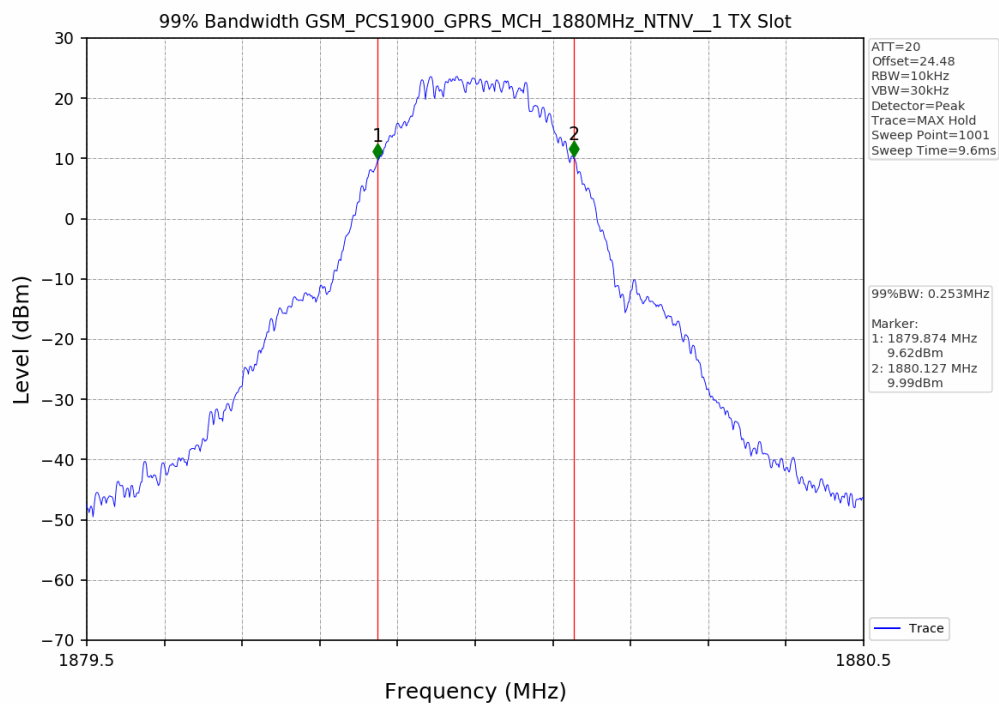
3. 99% & 26dB Bandwidth

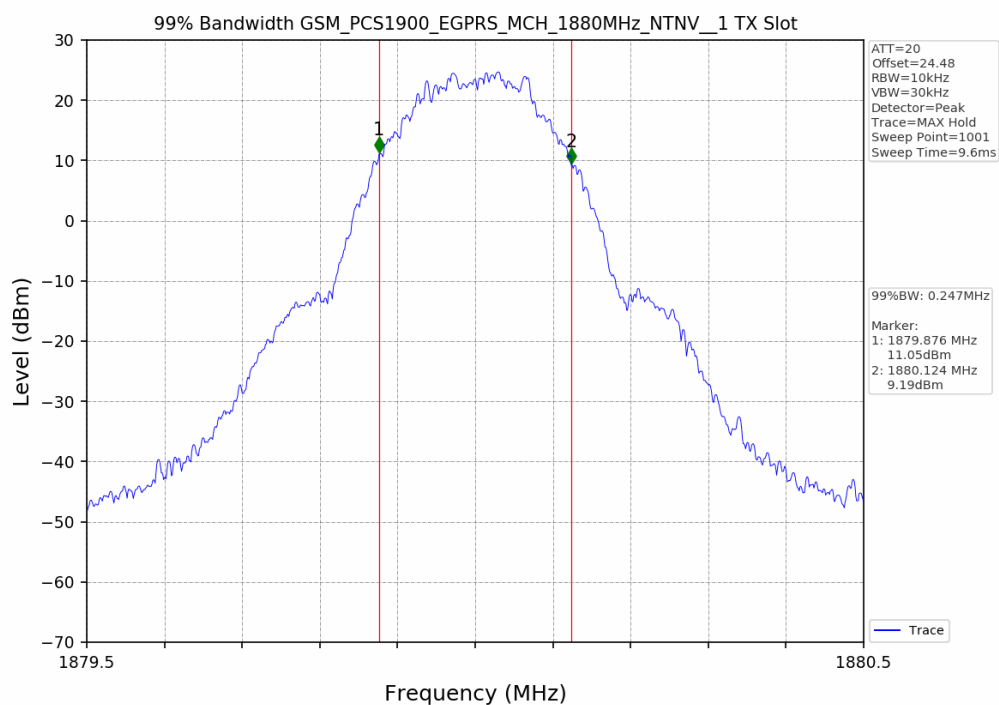
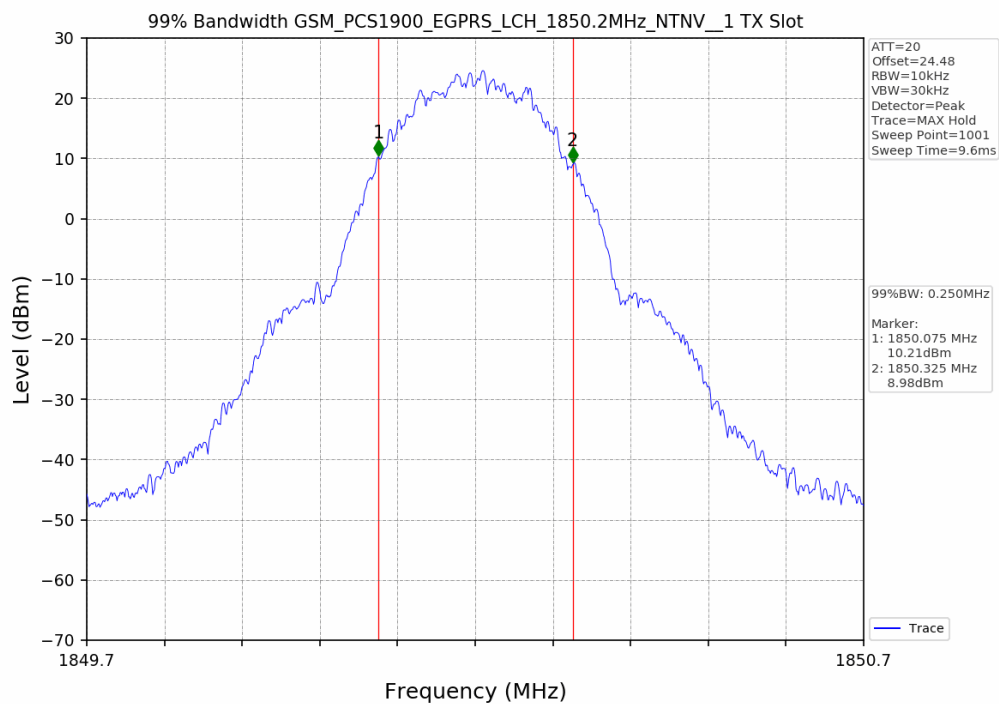
3.1 Test Result

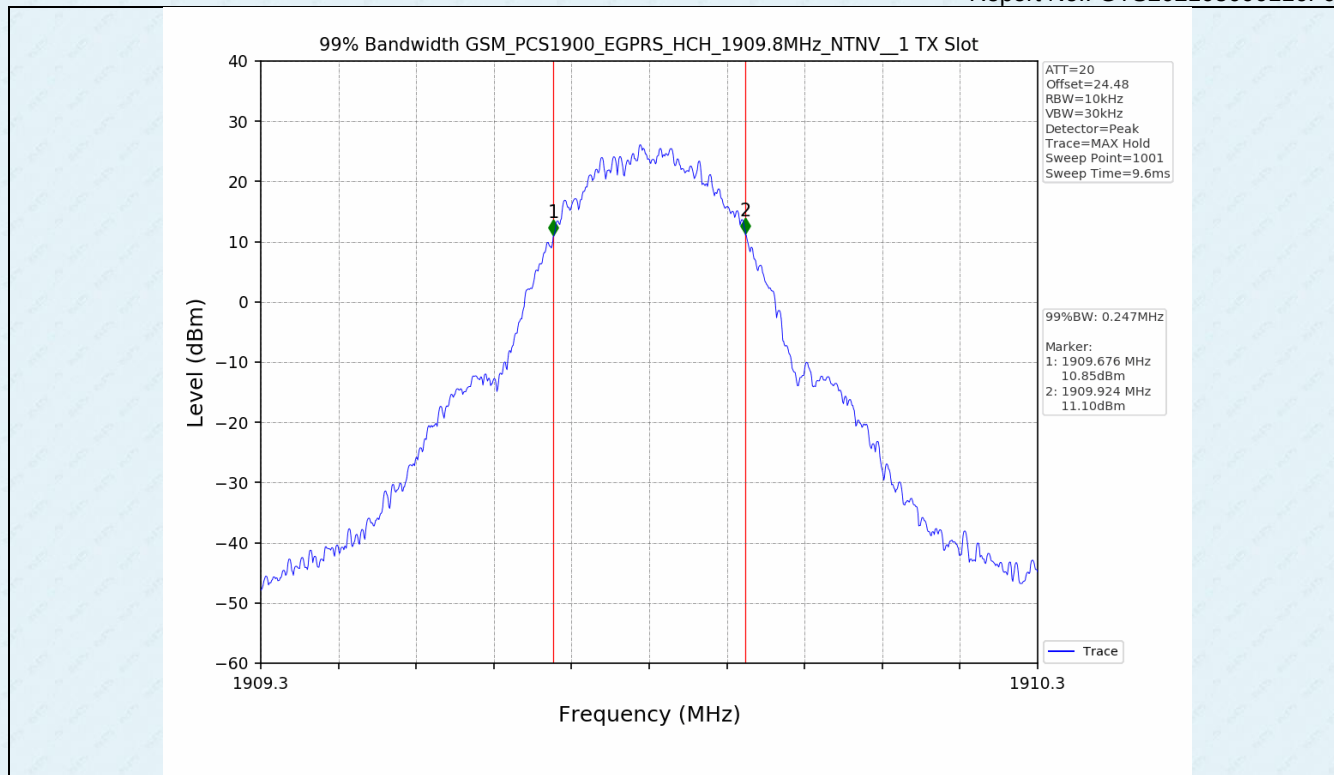
Test Band: PCS1900					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.250	0.247	0.247	N/A	PASS
GPRS	0.250	0.253	0.248	N/A	PASS

3.2 Test Graph



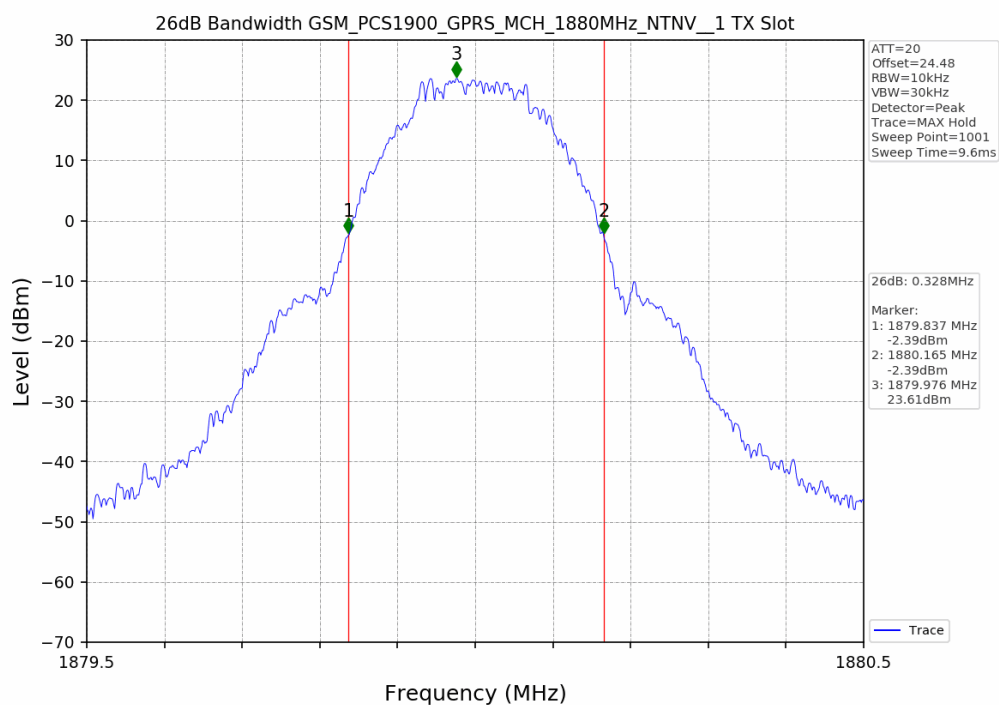
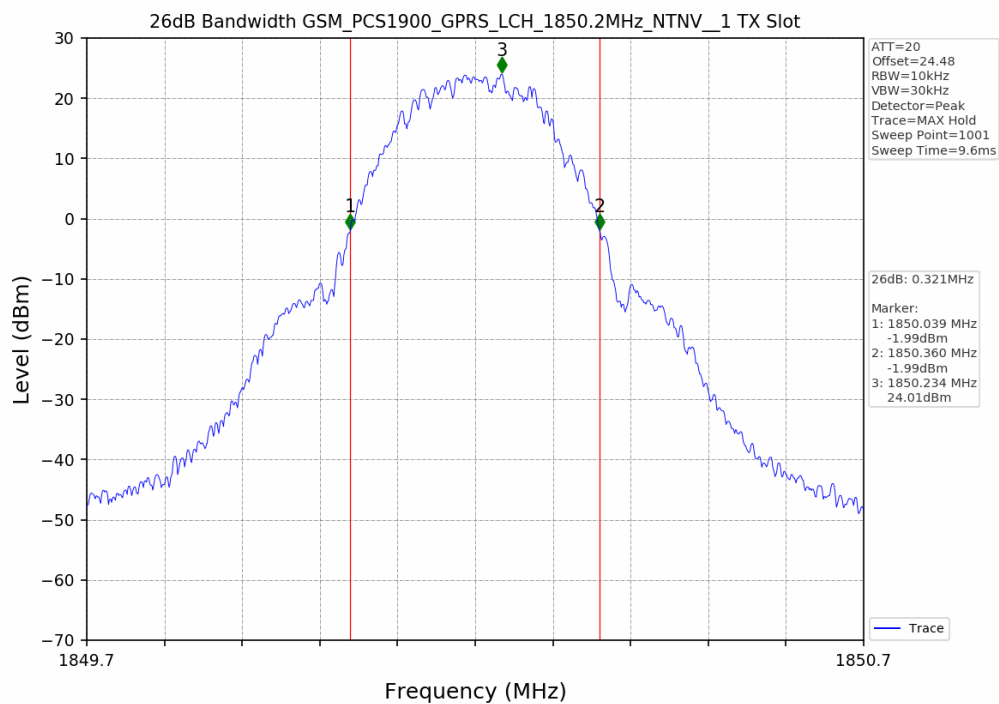


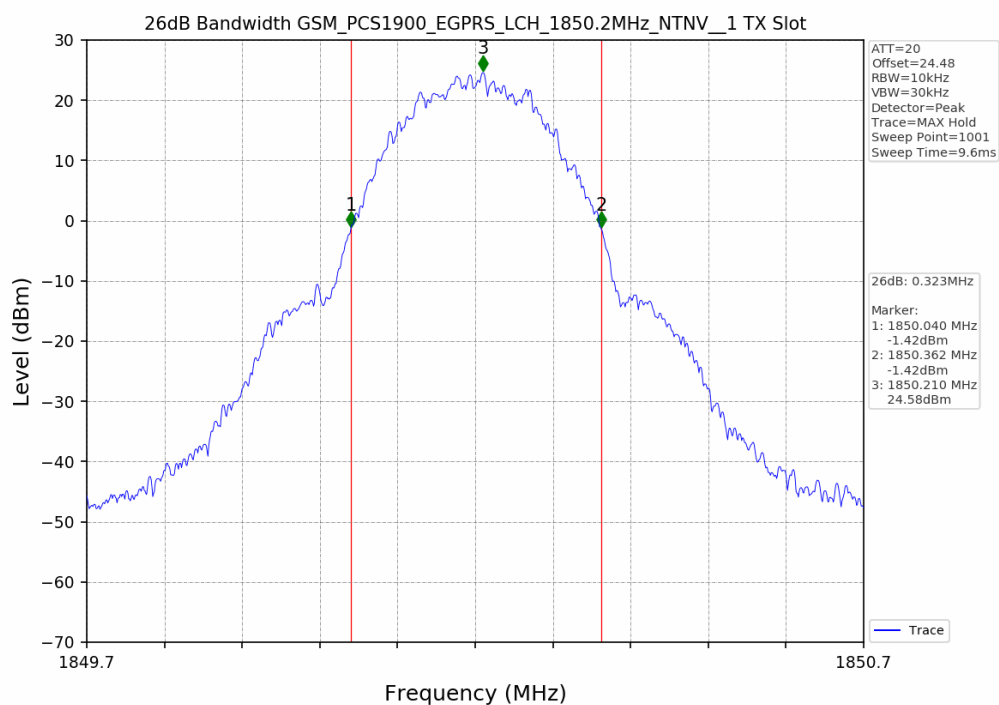
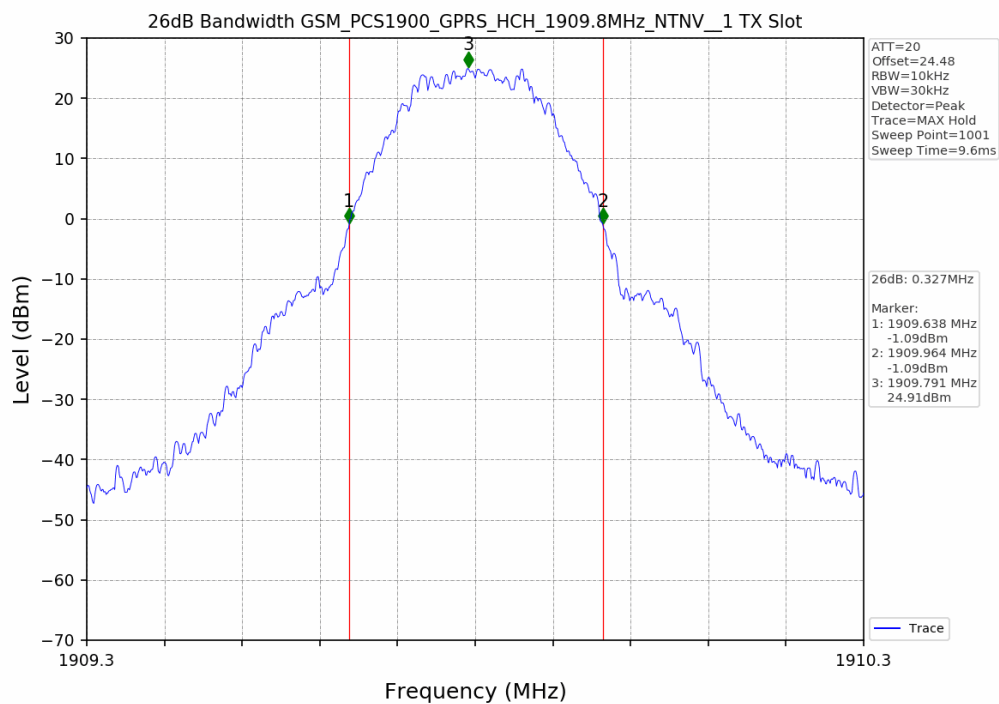


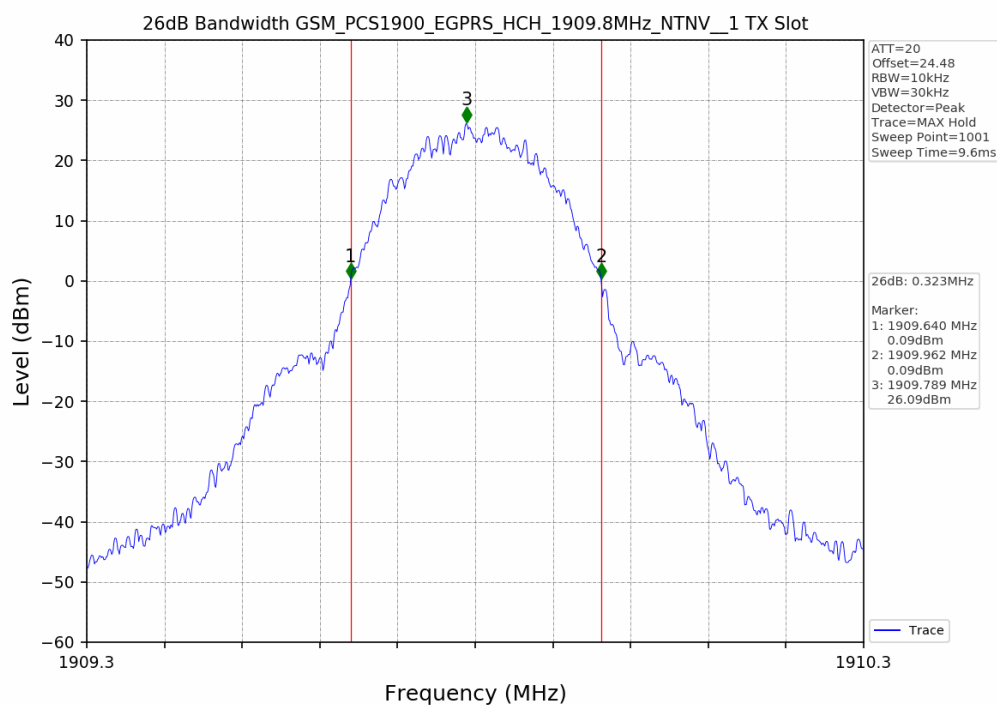
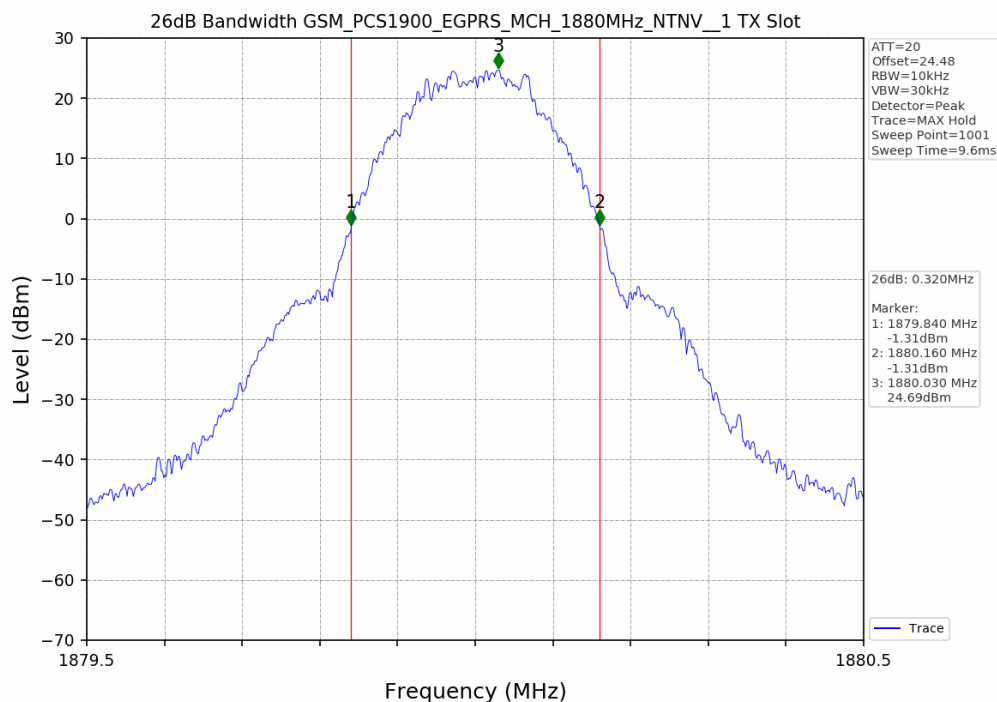


Test Band: PCS1900					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.323	0.320	0.323	N/A	PASS
GPRS	0.321	0.328	0.327	N/A	PASS

3.2 Test Graph





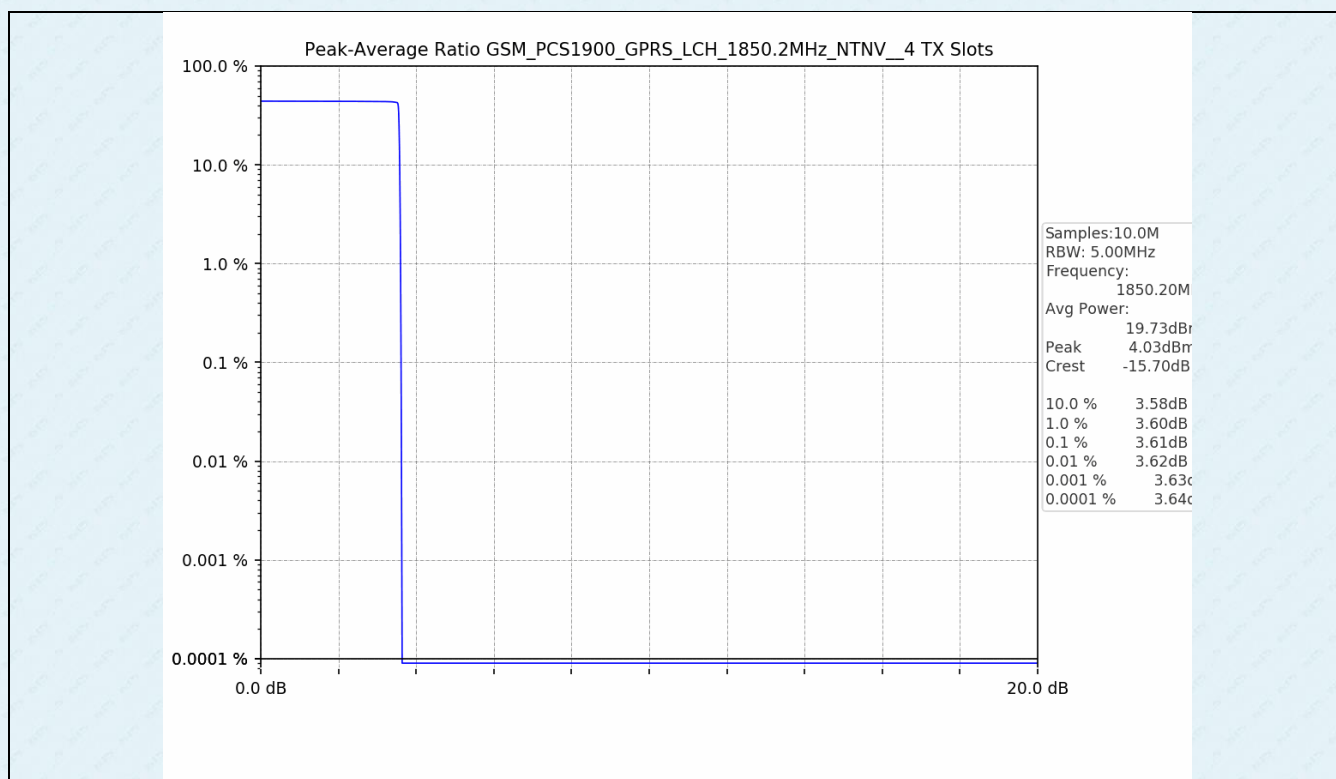


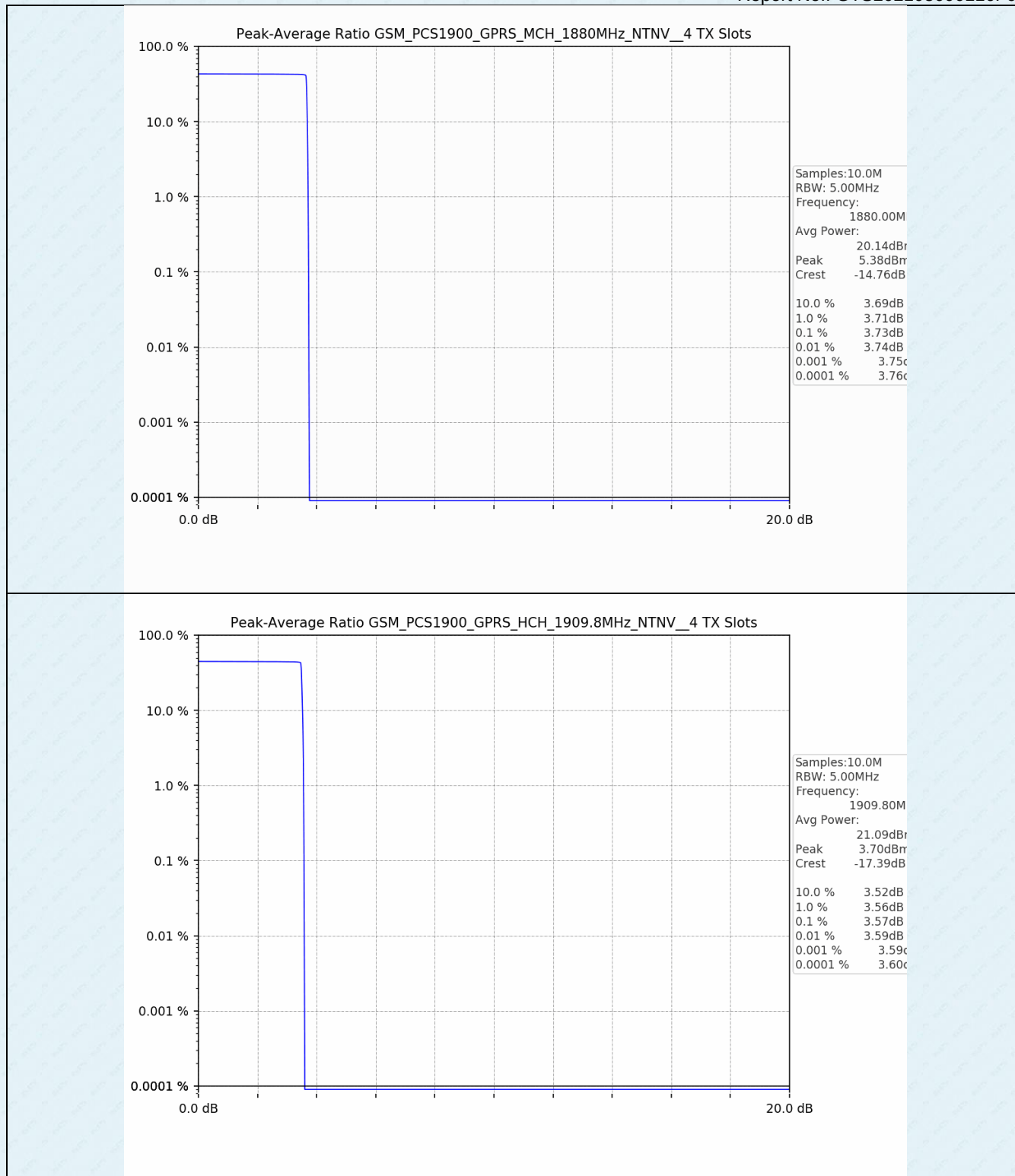
4. Peak-Average Ratio

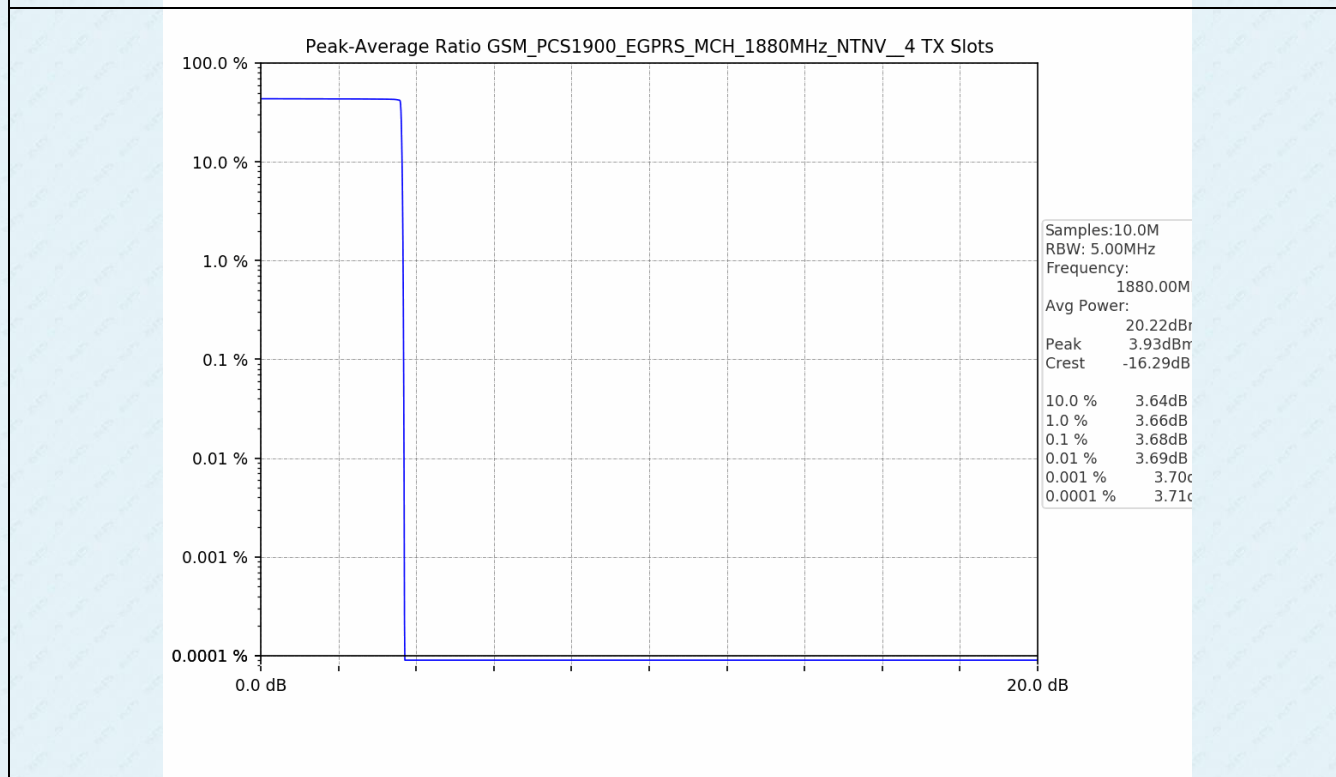
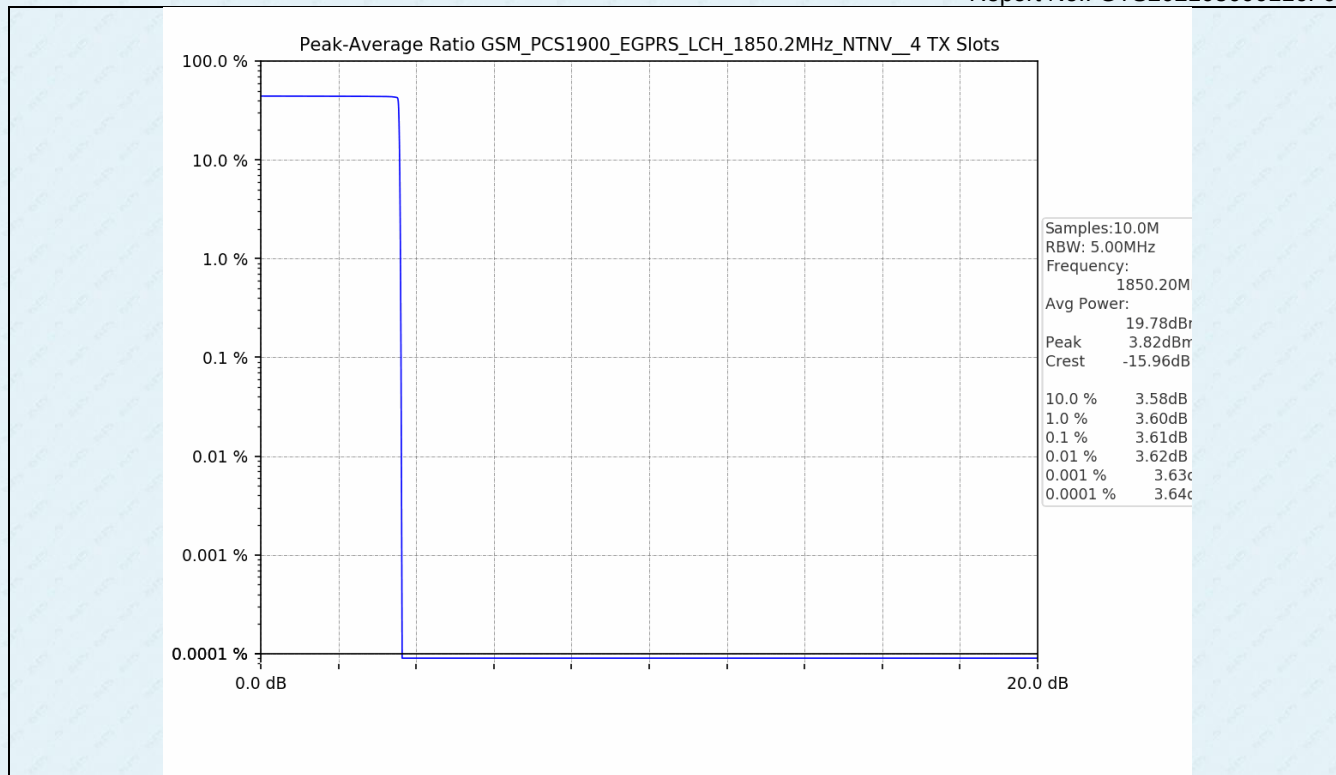
4.1 Test Result

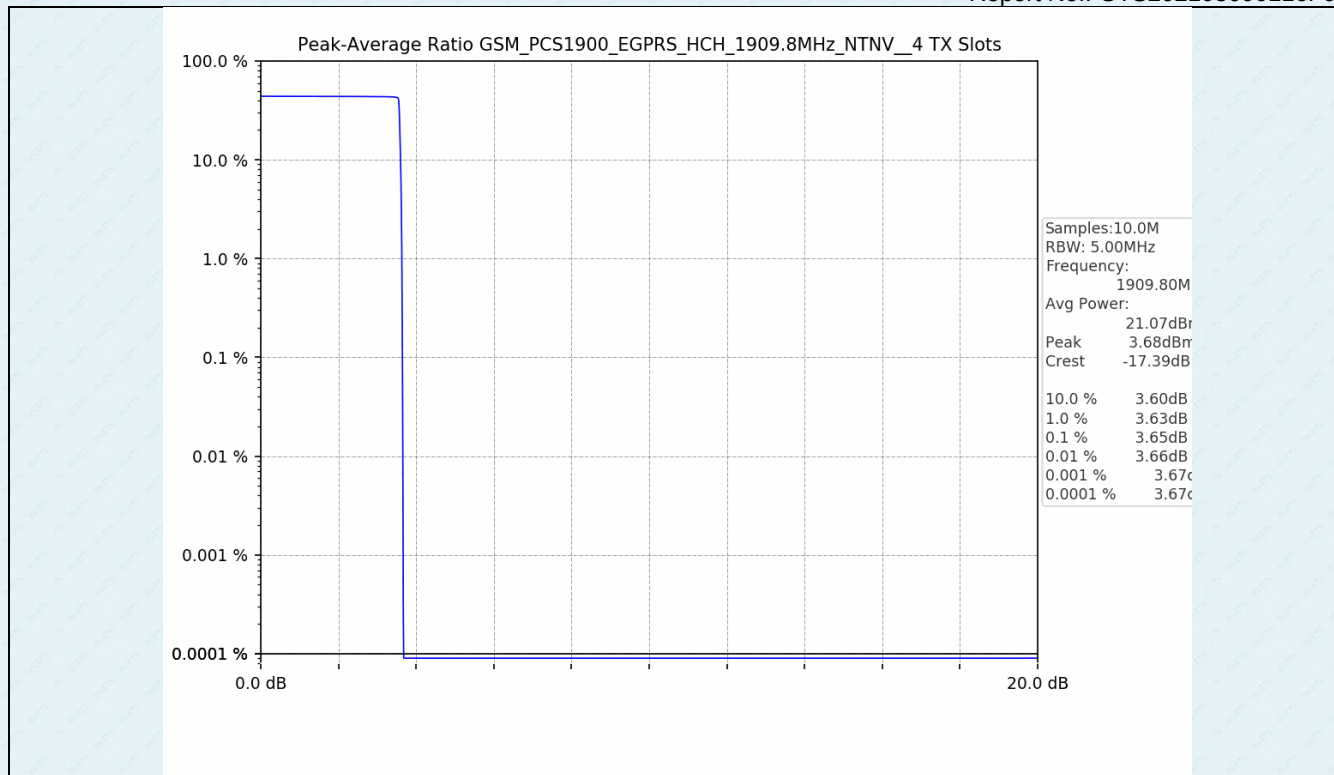
Test Band: PCS1900					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
EGPRS	3.61	3.68	3.65	13	PASS
GPRS	3.61	3.73	3.57	13	PASS

4.2 Test Graph









5. Spurious Emission

5.1 Test Graph

