

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 PCS1900_EIRP

Band: PCS1900								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	GPRS	1 TX Slot	1850.2	29.50	2.69	32.19	<=33.01	Pass
		2 TX Slots	1850.2	28.37	2.69	31.06	<=33.01	Pass
		3 TX Slots	1850.2	27.08	2.69	29.77	<=33.01	Pass
		4 TX Slots	1850.2	26.17	2.69	28.86	<=33.01	Pass
		1 TX Slot	1880	29.53	2.69	32.22	<=33.01	Pass
		2 TX Slots	1880	28.35	2.69	31.04	<=33.01	Pass
		3 TX Slots	1880	27.00	2.69	29.69	<=33.01	Pass
		4 TX Slots	1880	26.05	2.69	28.74	<=33.01	Pass
		1 TX Slot	1909.8	29.54	2.69	32.23	<=33.01	Pass
		2 TX Slots	1909.8	28.30	2.69	30.99	<=33.01	Pass
		3 TX Slots	1909.8	26.90	2.69	29.59	<=33.01	Pass
		4 TX Slots	1909.8	25.92	2.69	28.61	<=33.01	Pass
	EGPRS	1 TX Slot	1850.2	26.53	2.69	29.22	<=33.01	Pass
		2 TX Slots	1850.2	25.88	2.69	28.57	<=33.01	Pass
		3 TX Slots	1850.2	23.69	2.69	26.38	<=33.01	Pass
		4 TX Slots	1850.2	22.60	2.69	25.29	<=33.01	Pass
		1 TX Slot	1880	27.19	2.69	29.88	<=33.01	Pass
		2 TX Slots	1880	25.91	2.69	28.60	<=33.01	Pass
		3 TX Slots	1880	23.44	2.69	26.13	<=33.01	Pass
		4 TX Slots	1880	22.54	2.69	25.23	<=33.01	Pass
		1 TX Slot	1909.8	25.81	2.69	28.50	<=33.01	Pass
		2 TX Slots	1909.8	25.31	2.69	28.00	<=33.01	Pass
		3 TX Slots	1909.8	23.08	2.69	25.77	<=33.01	Pass
		4 TX Slots	1909.8	22.08	2.69	24.77	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 PCS1900

Band: PCS1900							
Network	Frequency (MHz)	Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
GPRS	1850.2	20	LV	1.453	0.0008	-2.5 to 2.5	Pass
			NV	-8.007	-0.0043	-2.5 to 2.5	Pass
			HV	7.264	0.0039	-2.5 to 2.5	Pass
		-30	NV	7.297	0.0039	-2.5 to 2.5	Pass
		-20	NV	3.616	0.0020	-2.5 to 2.5	Pass
		-10	NV	-8.556	-0.0046	-2.5 to 2.5	Pass
		0	NV	0.517	0.0003	-2.5 to 2.5	Pass
		10	NV	-9.137	-0.0049	-2.5 to 2.5	Pass
		30	NV	2.389	0.0013	-2.5 to 2.5	Pass
		40	NV	-3.519	-0.0019	-2.5 to 2.5	Pass
		50	NV	3.067	0.0017	-2.5 to 2.5	Pass
	1880	20	LV	-0.678	-0.0004	-2.5 to 2.5	Pass
			NV	-0.904	-0.0005	-2.5 to 2.5	Pass
			HV	-2.712	-0.0014	-2.5 to 2.5	Pass
		-30	NV	12.721	0.0068	-2.5 to 2.5	Pass
		-20	NV	-2.583	-0.0014	-2.5 to 2.5	Pass
		-10	NV	0.969	0.0005	-2.5 to 2.5	Pass
		0	NV	-7.329	-0.0039	-2.5 to 2.5	Pass
		10	NV	-0.032	0.0000	-2.5 to 2.5	Pass
		30	NV	6.102	0.0032	-2.5 to 2.5	Pass
		40	NV	-0.646	-0.0003	-2.5 to 2.5	Pass
		50	NV	-1.582	-0.0008	-2.5 to 2.5	Pass
	1909.8	20	LV	7.103	0.0037	-2.5 to 2.5	Pass
			NV	6.457	0.0034	-2.5 to 2.5	Pass
			HV	7.587	0.0040	-2.5 to 2.5	Pass
		-30	NV	-5.230	-0.0027	-2.5 to 2.5	Pass
		-20	NV	-0.936	-0.0005	-2.5 to 2.5	Pass
		-10	NV	0.355	0.0002	-2.5 to 2.5	Pass
		0	NV	2.841	0.0015	-2.5 to 2.5	Pass
		10	NV	6.683	0.0035	-2.5 to 2.5	Pass
		30	NV	4.036	0.0021	-2.5 to 2.5	Pass
		40	NV	-4.262	-0.0022	-2.5 to 2.5	Pass
EGPRS	1850.2	20	LV	11.623	0.0063	-2.5 to 2.5	Pass
			NV	-2.292	-0.0012	-2.5 to 2.5	Pass
			HV	9.169	0.0050	-2.5 to 2.5	Pass
		-30	NV	11.042	0.0060	-2.5 to 2.5	Pass
		-20	NV	18.016	0.0097	-2.5 to 2.5	Pass
		-10	NV	4.843	0.0026	-2.5 to 2.5	Pass
		0	NV	5.263	0.0028	-2.5 to 2.5	Pass
		10	NV	15.755	0.0085	-2.5 to 2.5	Pass
		30	NV	3.842	0.0021	-2.5 to 2.5	Pass
		40	NV	14.464	0.0078	-2.5 to 2.5	Pass
		50	NV	20.372	0.0110	-2.5 to 2.5	Pass
	1880	20	LV	10.041	0.0053	-2.5 to 2.5	Pass
			NV	9.266	0.0049	-2.5 to 2.5	Pass

			HV	7.781	0.0041	-2.5 to 2.5	Pass
		-30	NV	2.777	0.0015	-2.5 to 2.5	Pass
		-20	NV	5.101	0.0027	-2.5 to 2.5	Pass
		-10	NV	6.715	0.0036	-2.5 to 2.5	Pass
		0	NV	8.653	0.0046	-2.5 to 2.5	Pass
		10	NV	7.587	0.0040	-2.5 to 2.5	Pass
		30	NV	6.231	0.0033	-2.5 to 2.5	Pass
		40	NV	8.782	0.0047	-2.5 to 2.5	Pass
		50	NV	9.589	0.0051	-2.5 to 2.5	Pass
	1909.8	20	LV	11.752	0.0062	-2.5 to 2.5	Pass
			NV	6.263	0.0033	-2.5 to 2.5	Pass
			HV	17.047	0.0089	-2.5 to 2.5	Pass
		-30	NV	-1.065	-0.0006	-2.5 to 2.5	Pass
		-20	NV	13.011	0.0068	-2.5 to 2.5	Pass
		-10	NV	8.459	0.0044	-2.5 to 2.5	Pass
		0	NV	14.884	0.0078	-2.5 to 2.5	Pass
		10	NV	17.854	0.0093	-2.5 to 2.5	Pass
		30	NV	10.816	0.0057	-2.5 to 2.5	Pass
		40	NV	0.646	0.0003	-2.5 to 2.5	Pass
		50	NV	10.783	0.0056	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 PCS1900_OBW

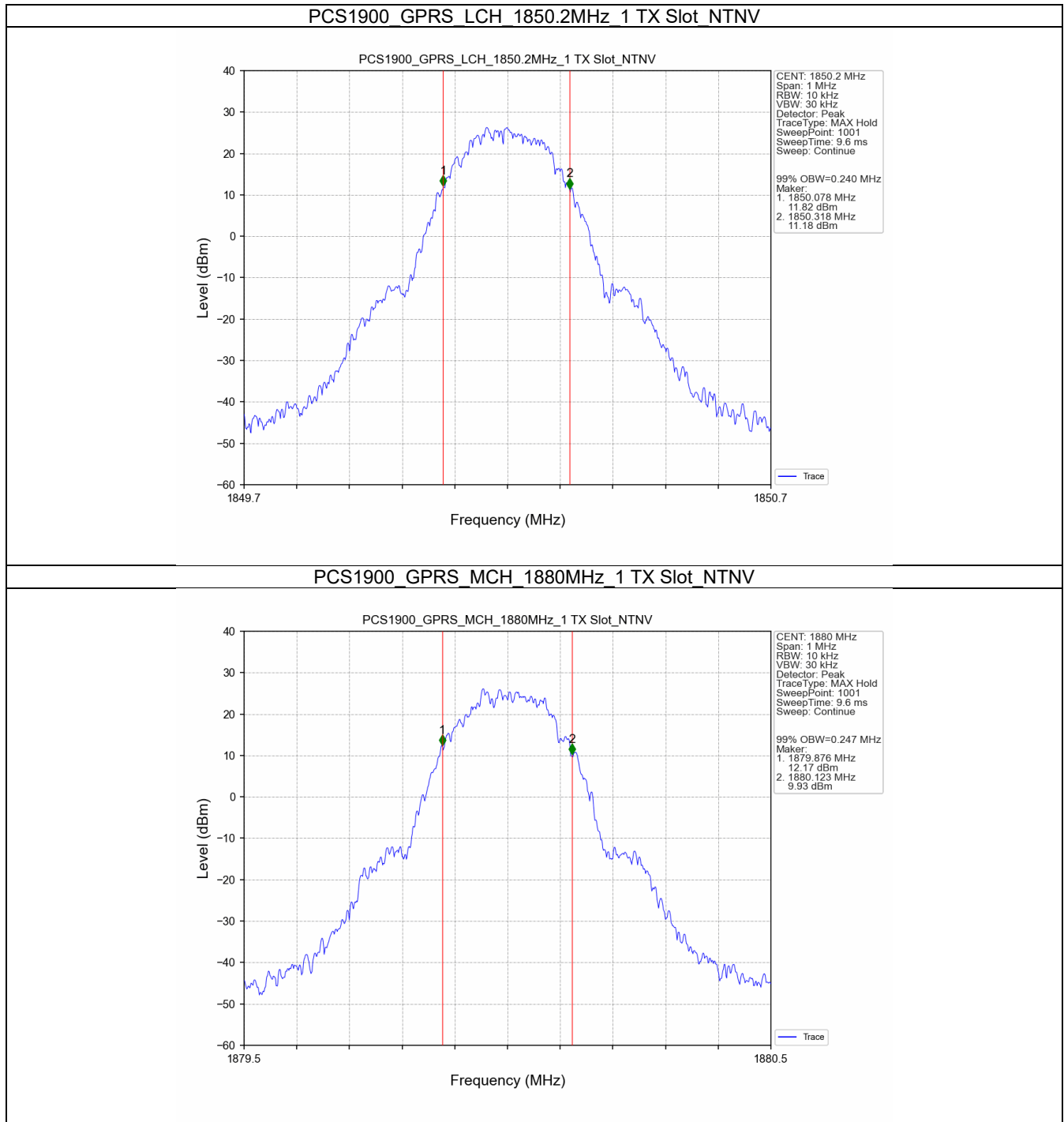
Band: PCS1900						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	1850.2	0.240	/	Pass
			1880	0.247	/	Pass
			1909.8	0.237	/	Pass
	EGPRS	1 TX Slot	1850.2	0.240	/	Pass
			1880	0.244	/	Pass
			1909.8	0.243	/	Pass

3.1.2 PCS1900_XDB

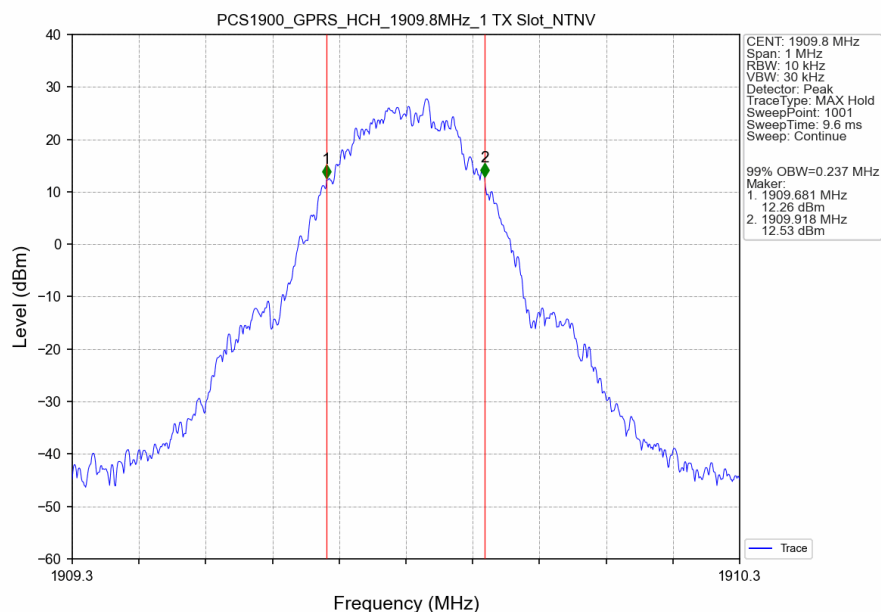
Band: PCS1900						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	1850.2	0.315	/	Pass
			1880	0.325	/	Pass
			1909.8	0.298	/	Pass
	EGPRS	1 TX Slot	1850.2	0.307	/	Pass
			1880	0.308	/	Pass
			1909.8	0.314	/	Pass

3.2 Test Graph

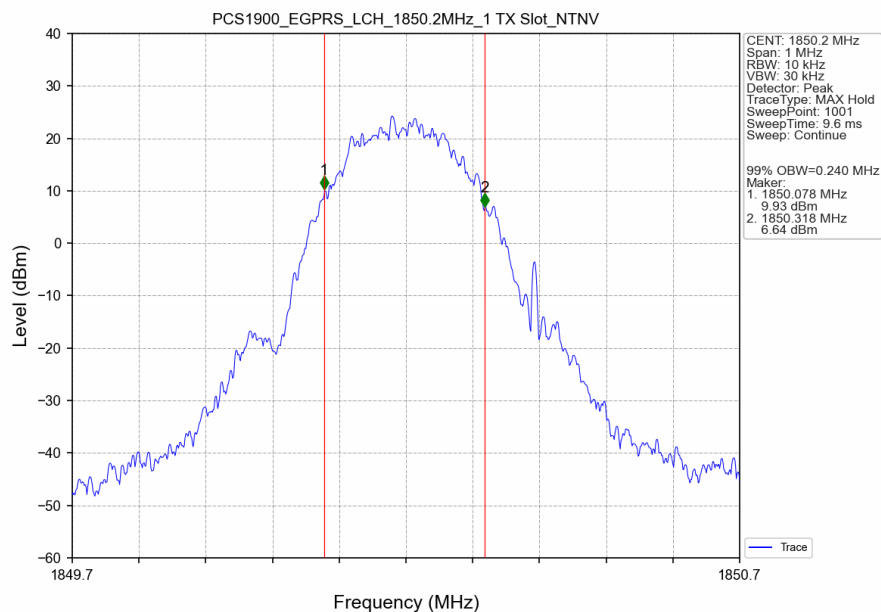
3.2.1 PCS1900_OBW



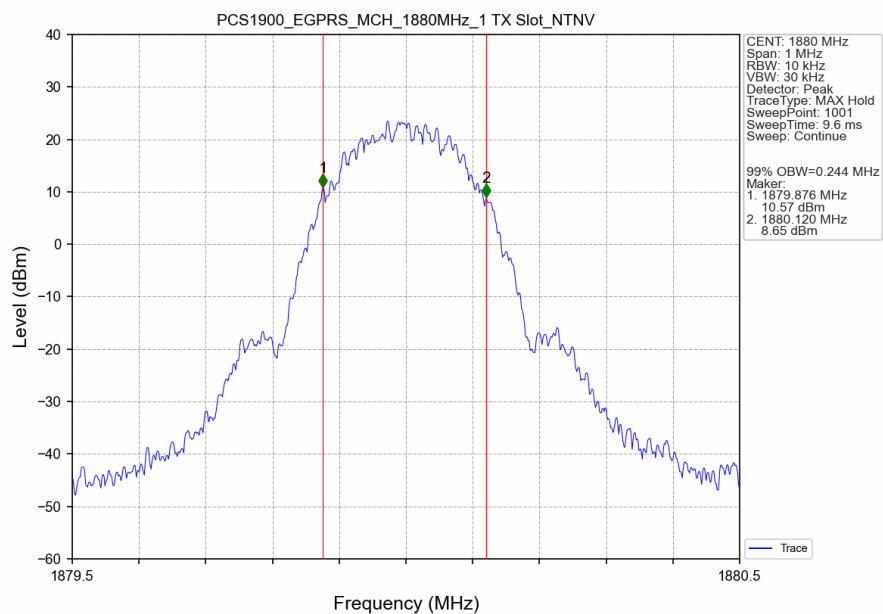
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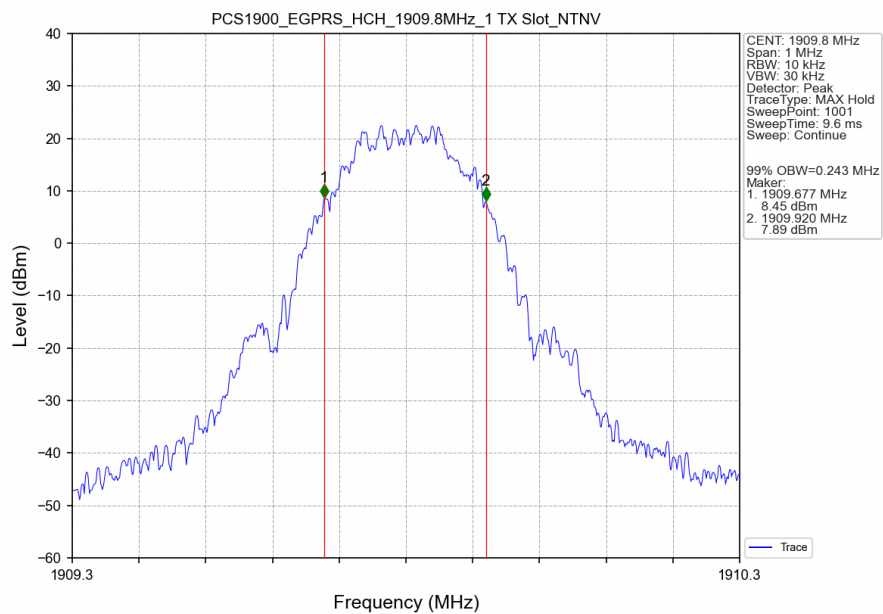
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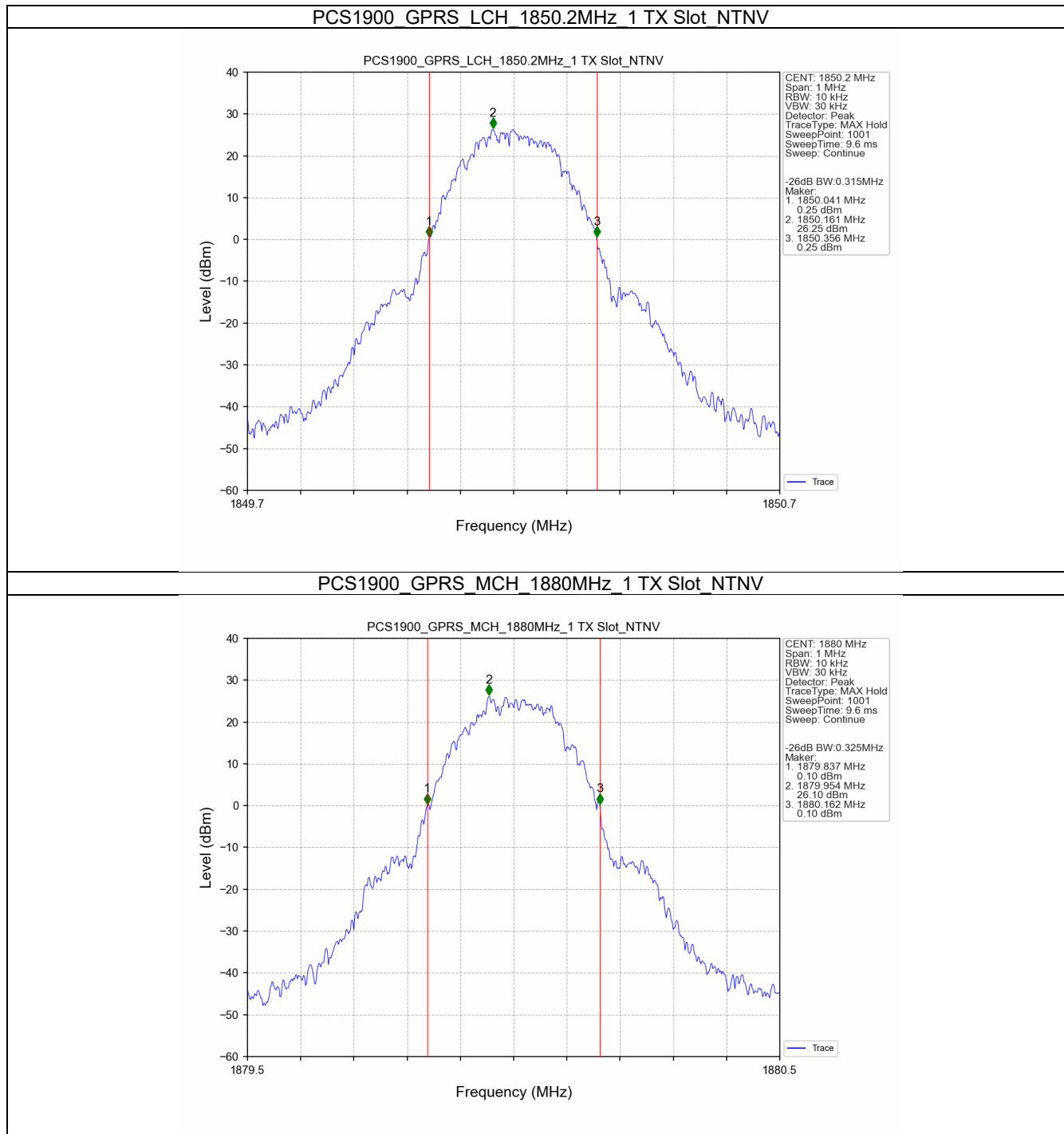
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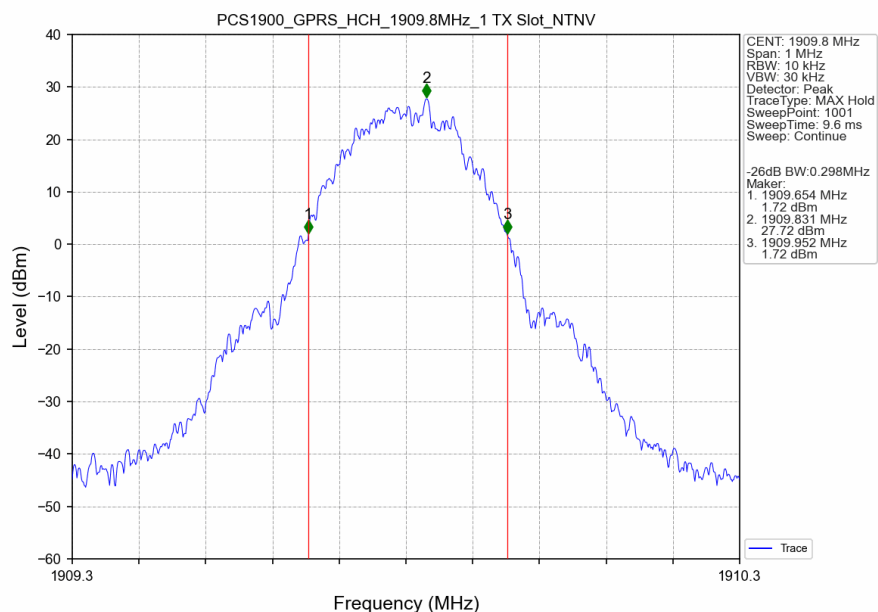
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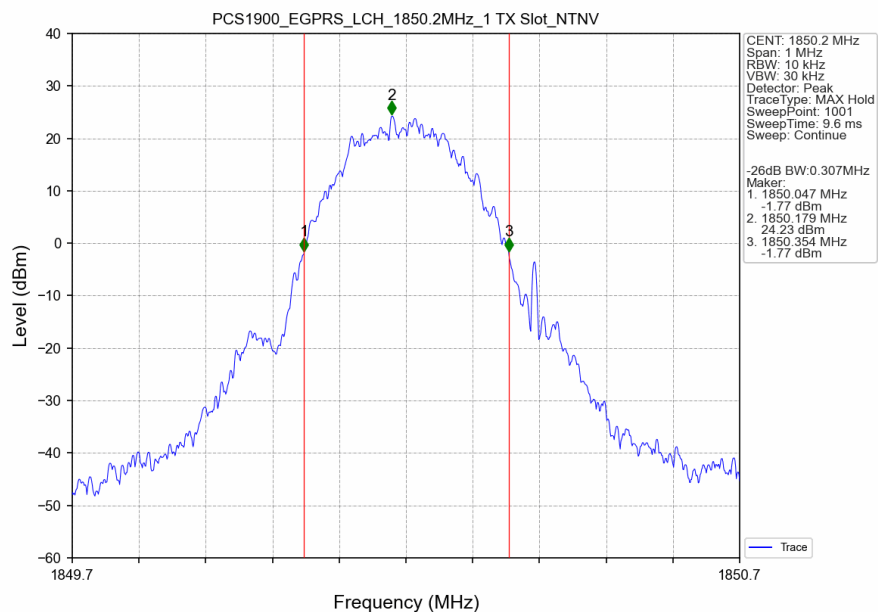
3.2.2 PCS1900_XDB



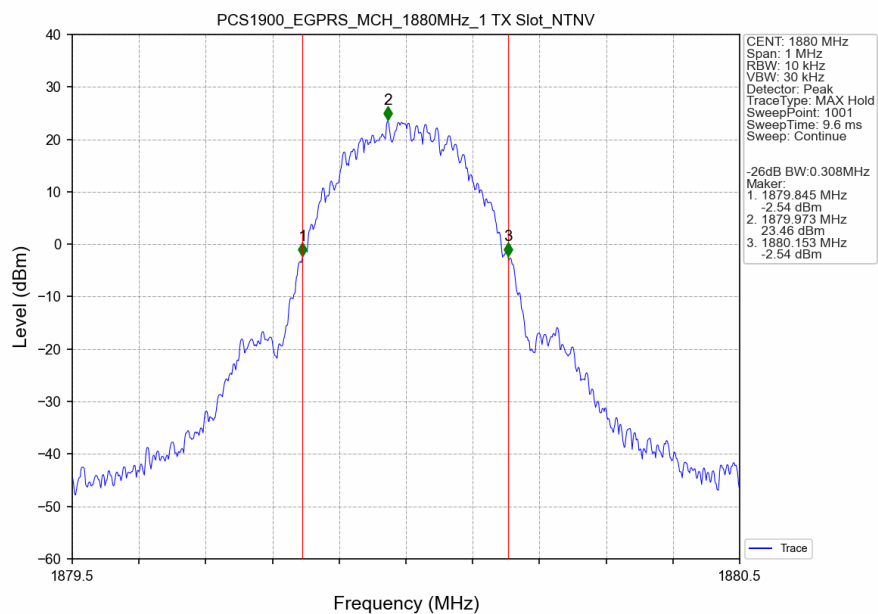
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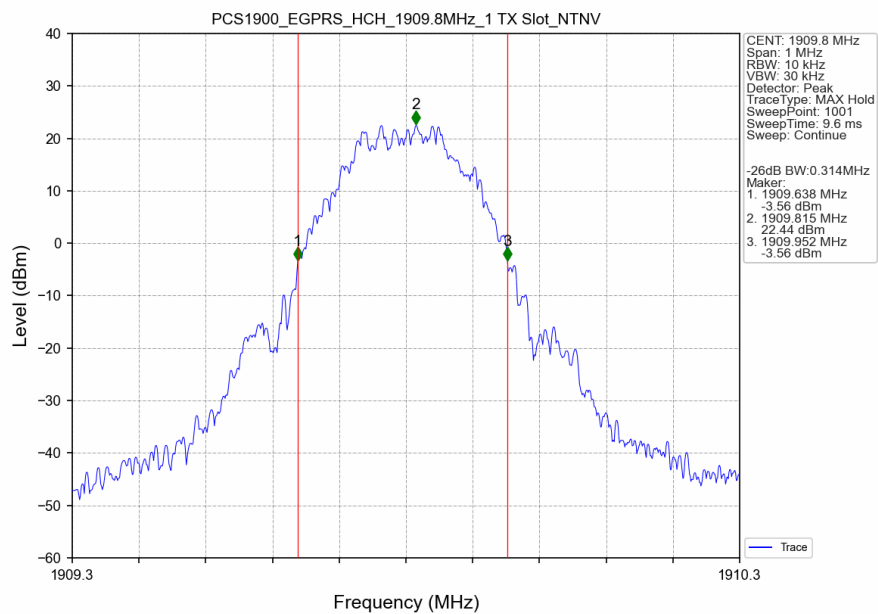
PCS1900_EGPRS_LCH_1850.2MHz_1 TX Slot_NTNV



PCS1900_EGPRS_MCH_1880MHz_1 TX Slot_NTNV



PCS1900_EGPRS_HCH_1909.8MHz_1 TX Slot_NTNV





4. Peak-Average Ratio

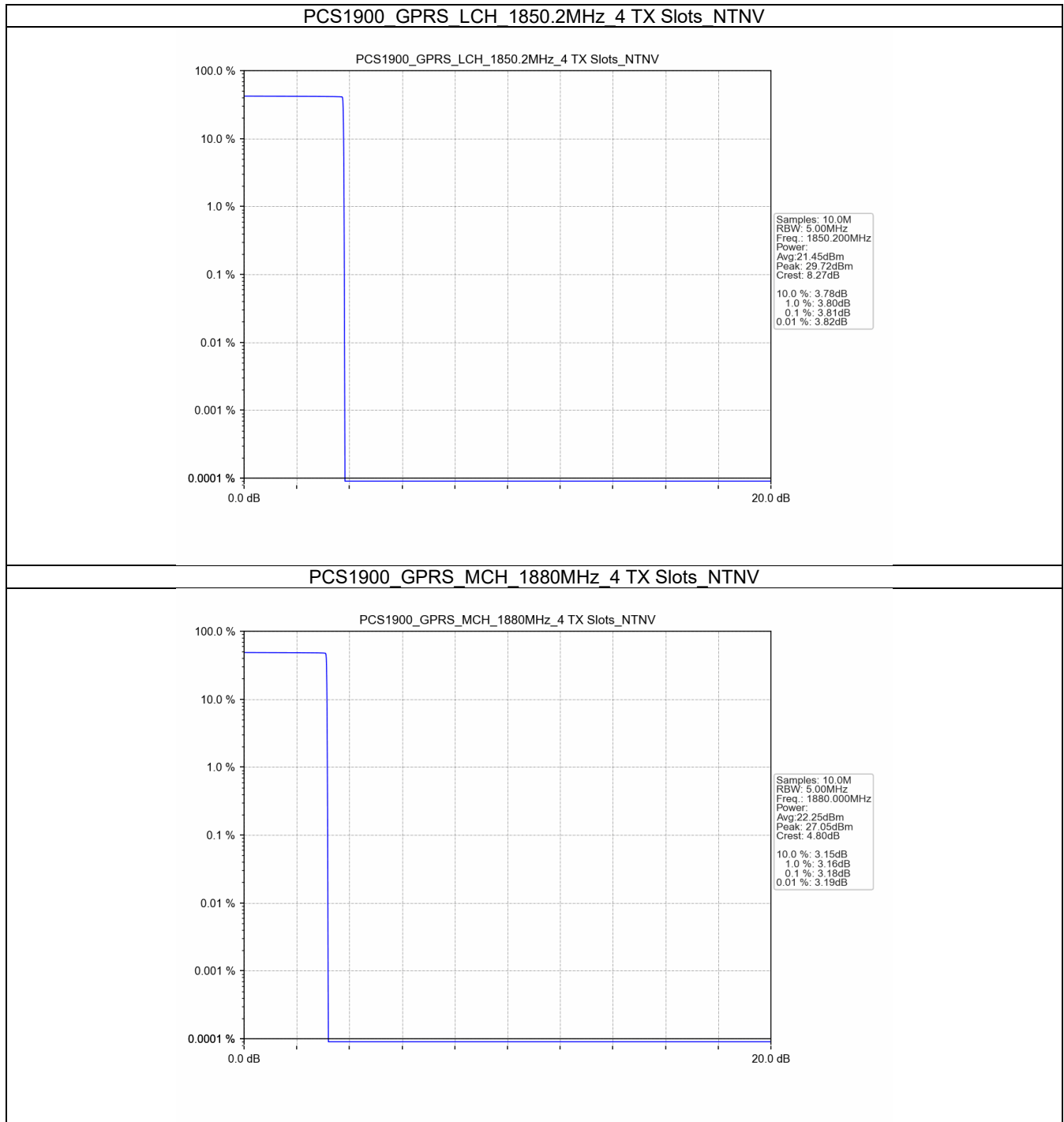
4.1 Test Result

4.1.1 PCS1900

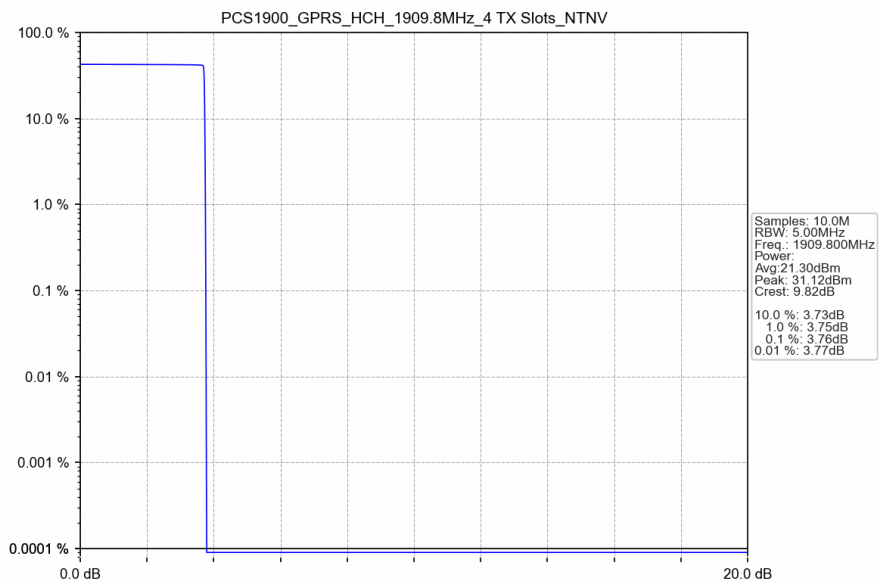
Band: PCS1900						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	4 TX Slots	1850.2	3.81	<=13	Pass
			1880	3.18	<=13	Pass
			1909.8	3.76	<=13	Pass
	EGPRS	4 TX Slots	1850.2	7.59	<=13	Pass
			1880	7.33	<=13	Pass
			1909.8	7.68	<=13	Pass

4.2 Test Graph

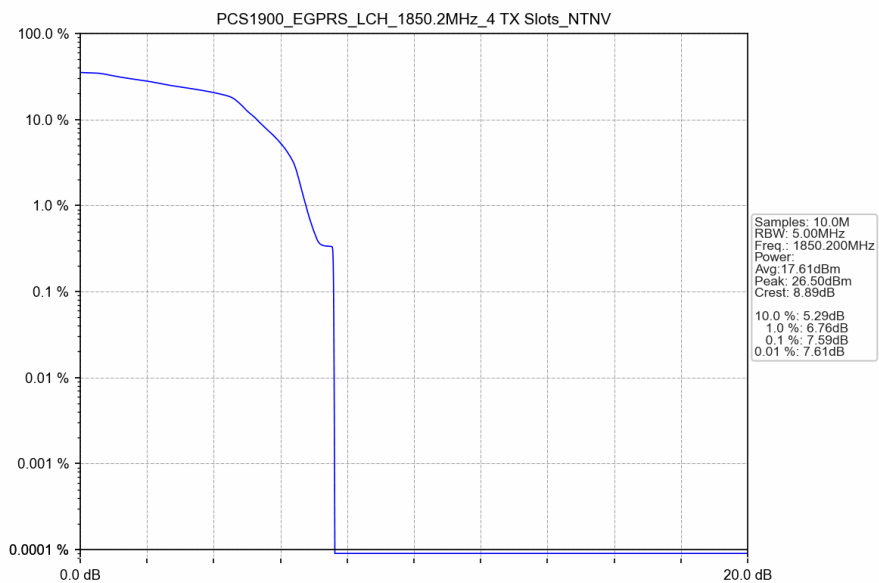
4.2.1 PCS1900



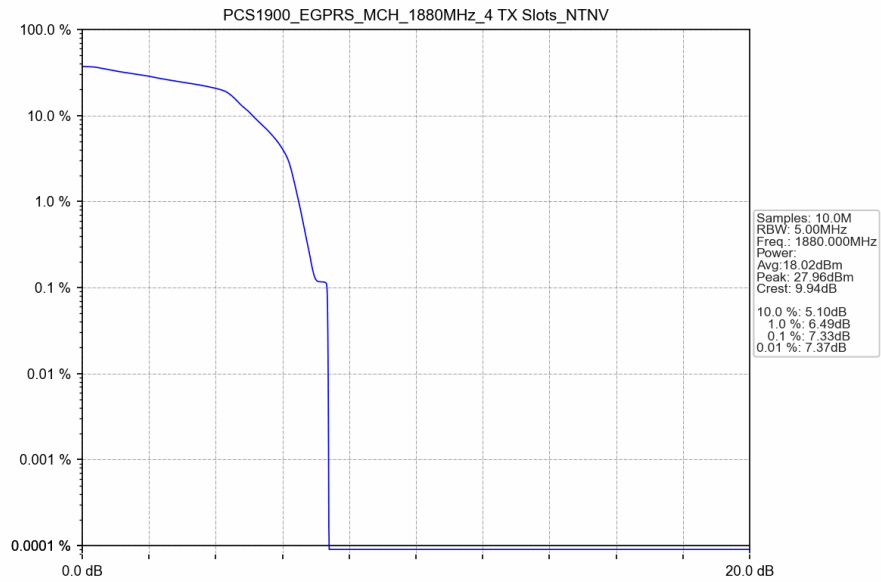
PCS1900_GPRS_HCH_1909.8MHz_4 TX Slots_NTNV



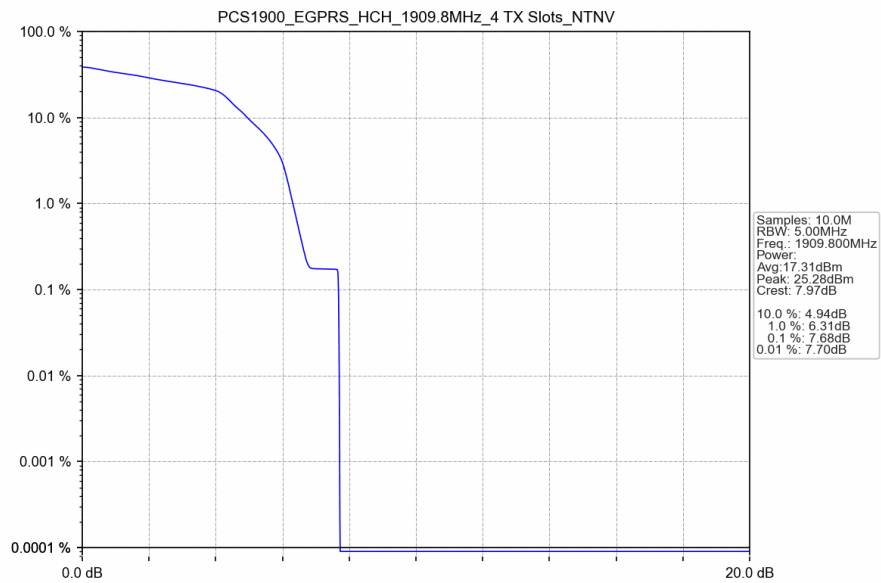
PCS1900_EGPRS_LCH_1850.2MHz_4 TX Slots_NTNV



PCS1900_EGPRS_MCH_1880MHz_4 TX Slots_NTNV



PCS1900_EGPRS_HCH_1909.8MHz_4 TX Slots_NTNV





5. Spurious Emission

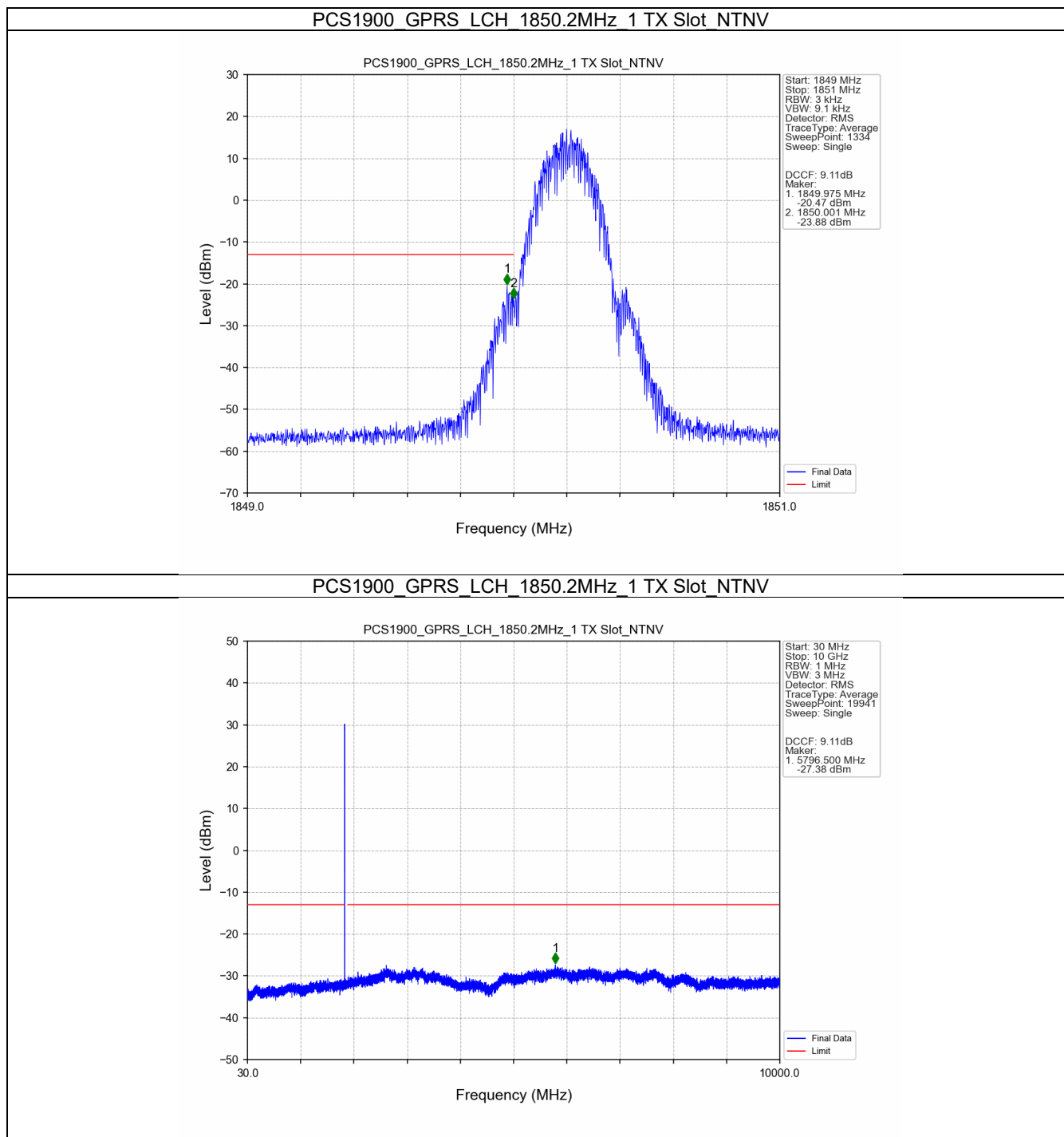
5.1 Test Result

5.1.1 PCS1900

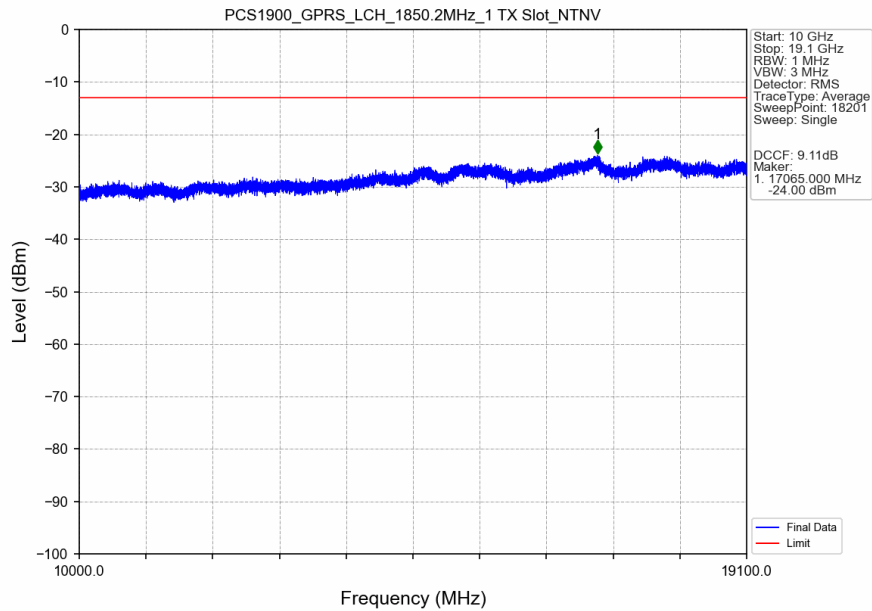
Band: PCS1900						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	1850.2	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1909.8	Refer To Test Graph		Pass
	EGPRS	1 TX Slot	1850.2	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1909.8	Refer To Test Graph		Pass

5.2 Test Graph

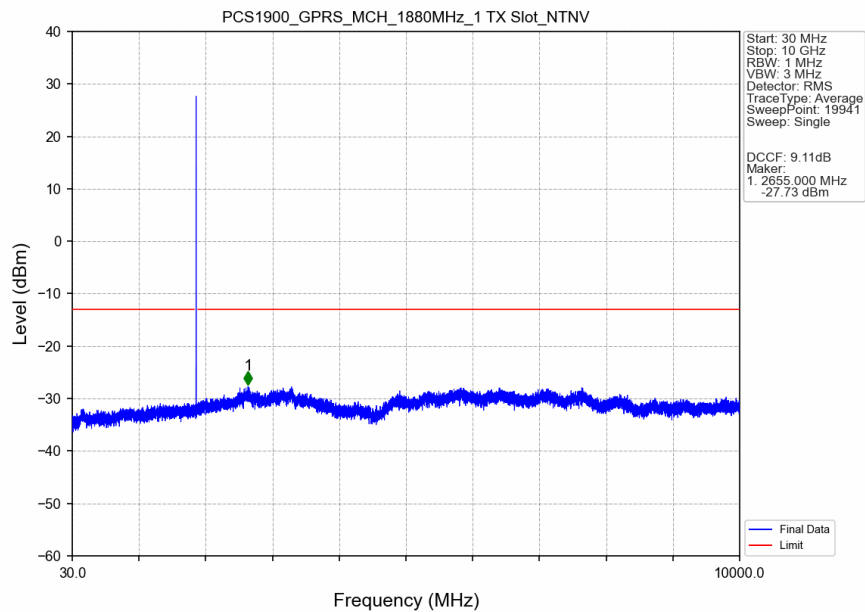
5.2.1 PCS1900



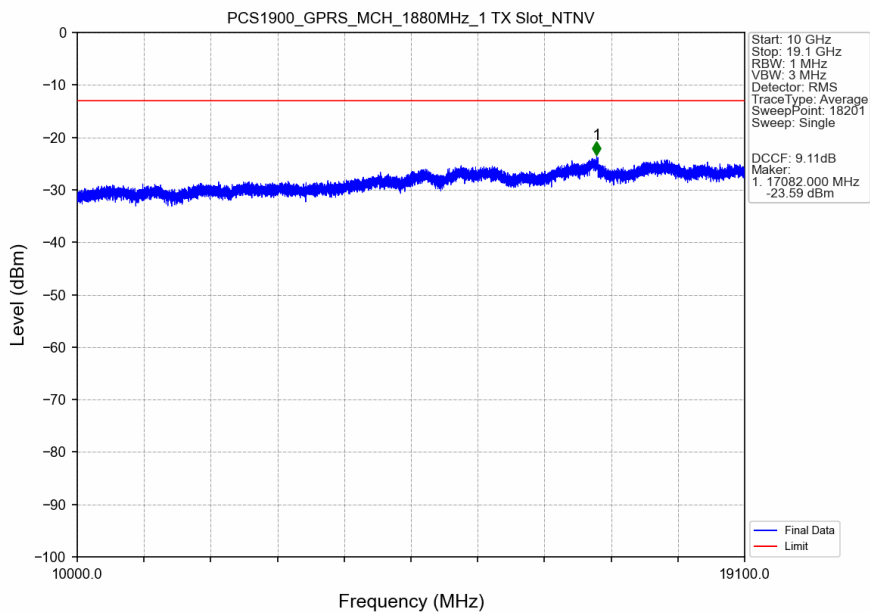
PCS1900_GPRS_LCH_1850.2MHz_1 TX Slot_NTNV



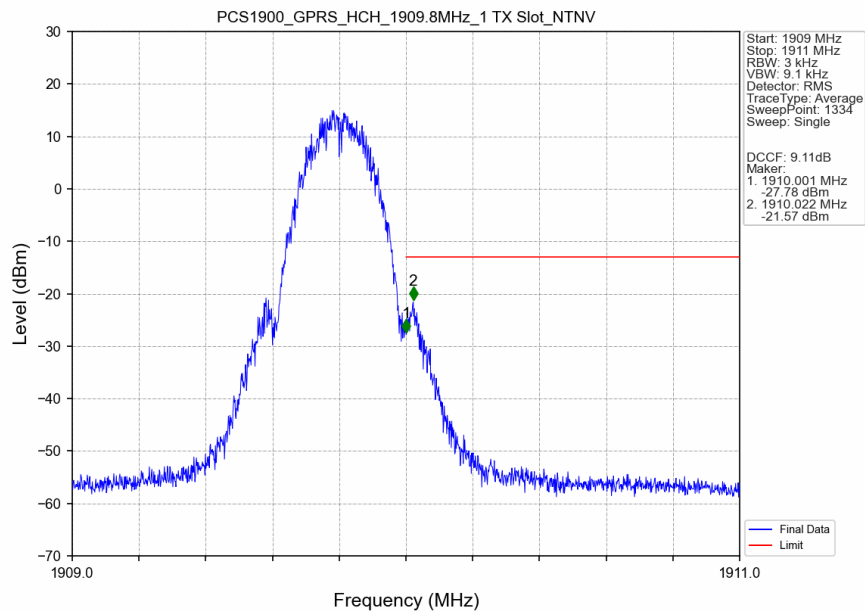
PCS1900_GPRS_MCH_1880MHz_1 TX Slot_NTNV



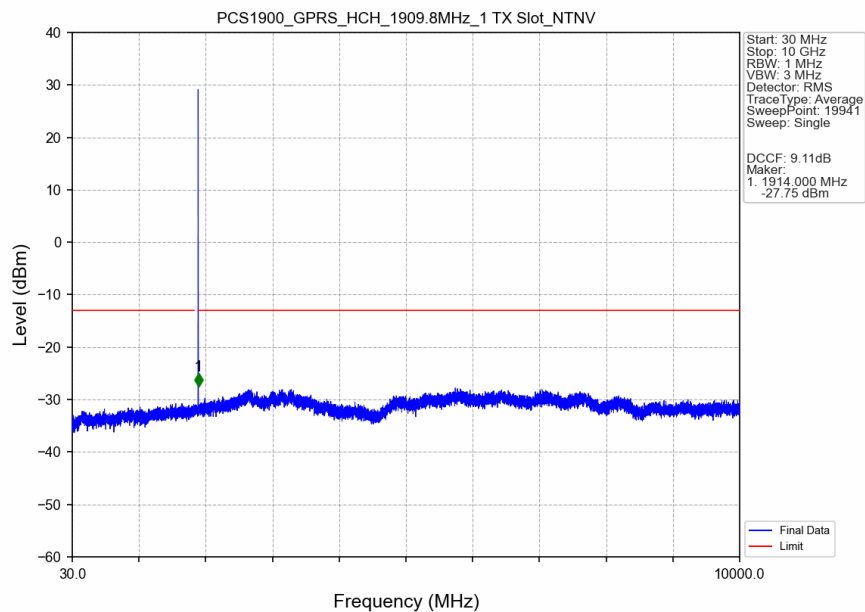
PCS1900_GPRS_MCH_1880MHz_1 TX Slot_NTNV



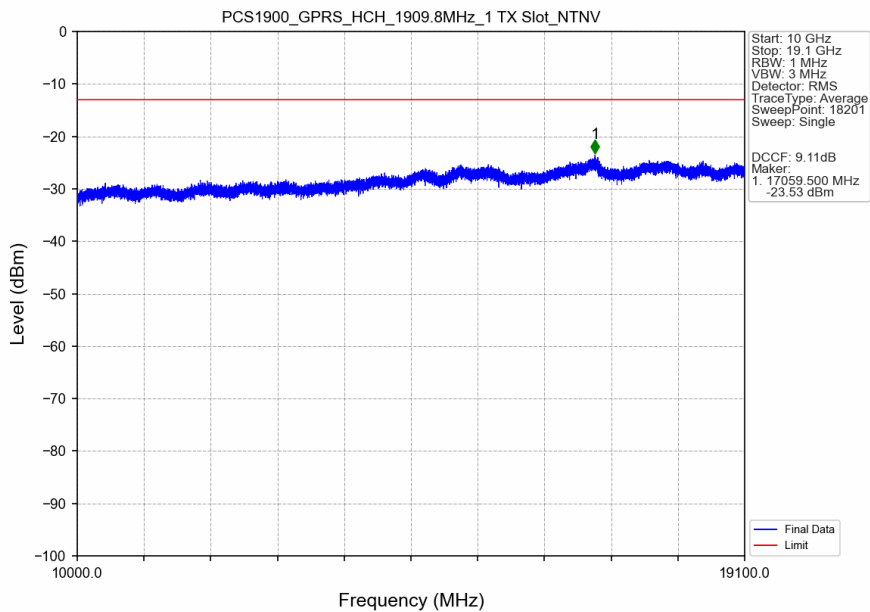
PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



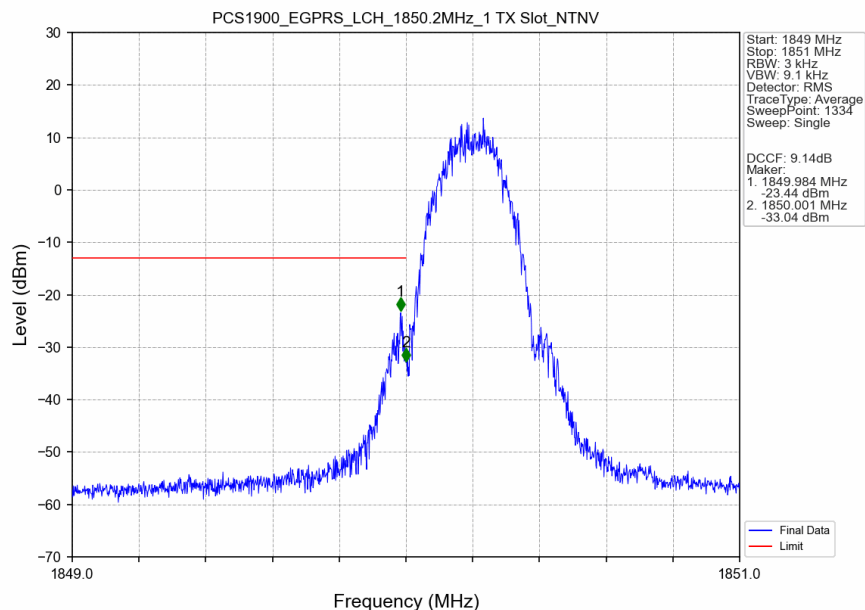
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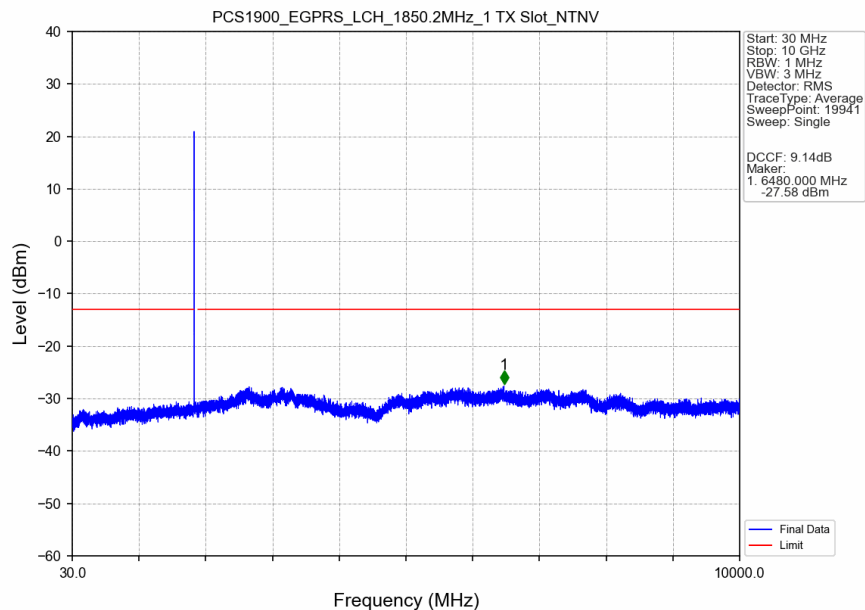
PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



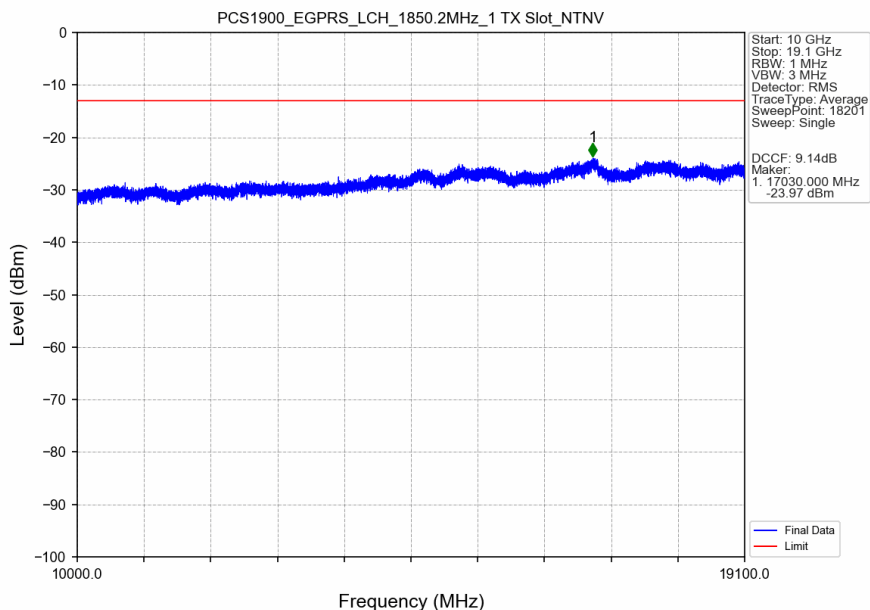
PCS1900_EGPRS_LCH_1850.2MHz_1 TX Slot_NTNV



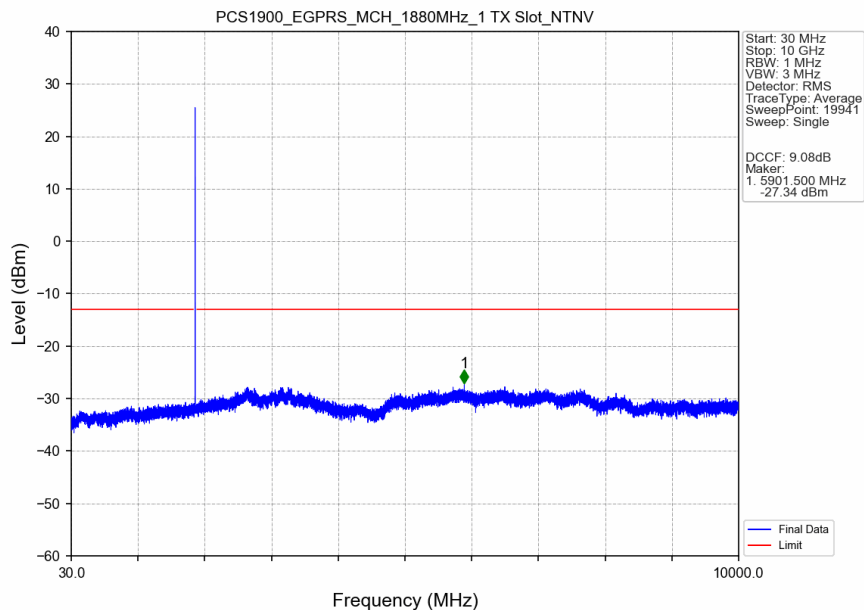
PCS1900_EGPRS_LCH_1850.2MHz_1 TX Slot_NTNV



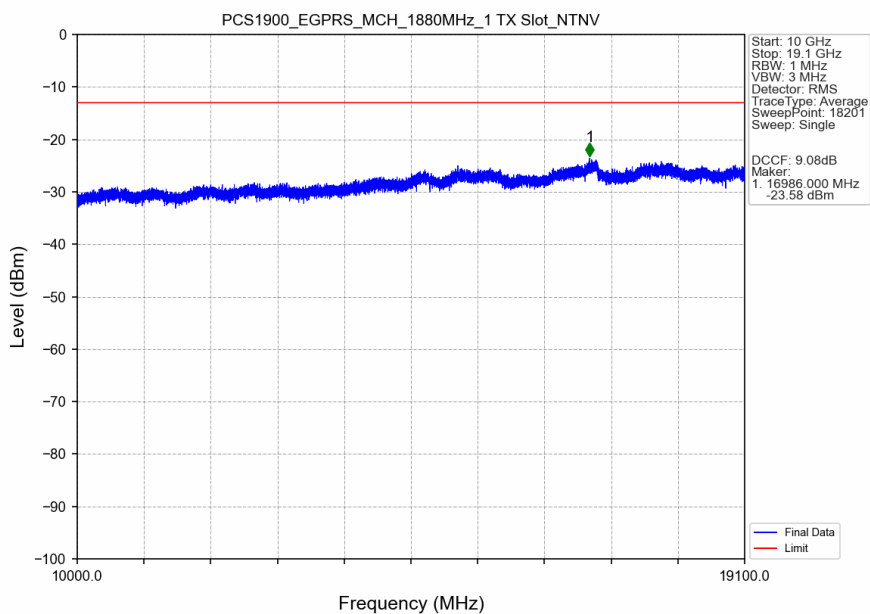
PCS1900_EGPRS_LCH_1850.2MHz_1 TX Slot_NTNV



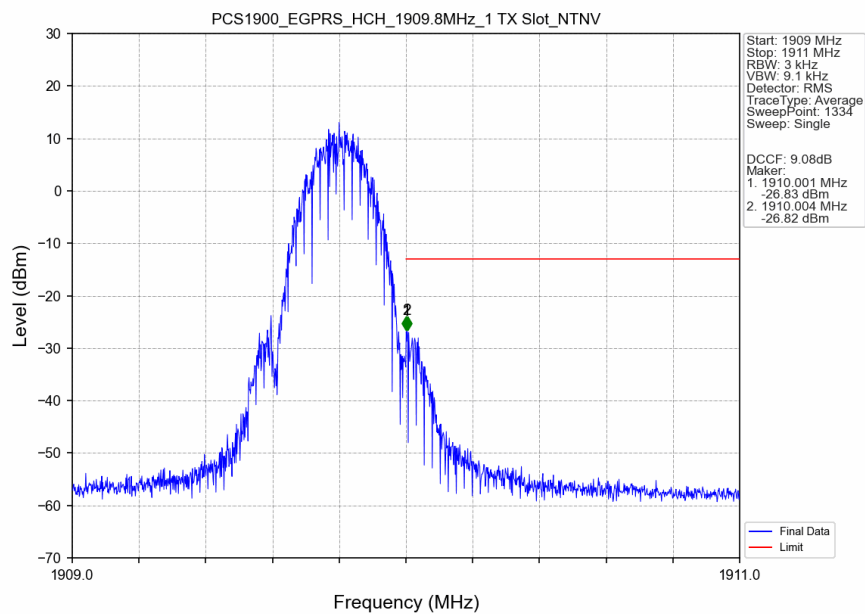
PCS1900_EGPRS_MCH_1880MHz_1 TX Slot_NTNV



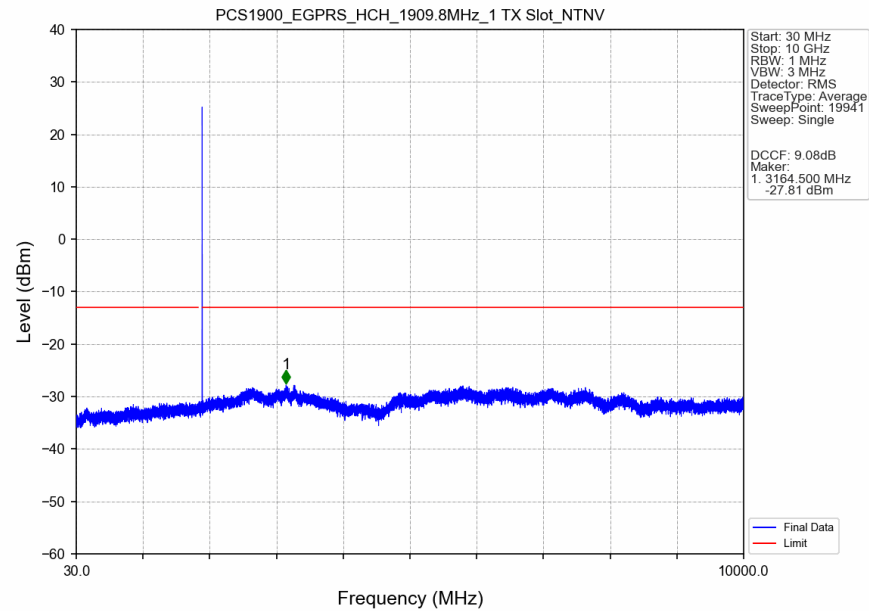
PCS1900_EGPRS_MCH_1880MHz_1 TX Slot_NTNV



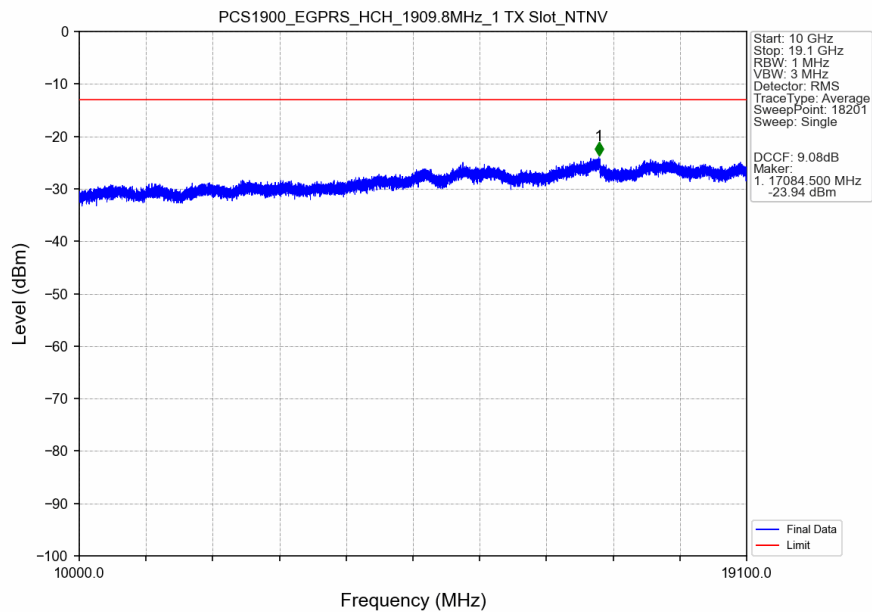
PCS1900_EGPRS_HCH_1909.8MHz_1 TX Slot_NTNV



PCS1900_EGPRS_HCH_1909.8MHz_1 TX Slot_NTNV



PCS1900_EGPRS_HCH_1909.8MHz_1 TX Slot_NTNV



- End of the Appendix -