

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

Report No.: FYCR2606000176AT

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	30.54	1.12	31.66	<=33.01	Pass
		2 TX Slots	1850.2	29.25	1.12	30.37	<=33.01	Pass
		3 TX Slots	1850.2	27.62	1.12	28.74	<=33.01	Pass
		4 TX Slots	1850.2	25.58	1.12	26.70	<=33.01	Pass
		1 TX Slot	1880	30.23	1.12	31.35	<=33.01	Pass
		2 TX Slots	1880	28.85	1.12	29.97	<=33.01	Pass
		3 TX Slots	1880	27.19	1.12	28.31	<=33.01	Pass
		4 TX Slots	1880	25.11	1.12	26.23	<=33.01	Pass
		1 TX Slot	1909.8	30.36	1.12	31.48	<=33.01	Pass
		2 TX Slots	1909.8	28.81	1.12	29.93	<=33.01	Pass
		3 TX Slots	1909.8	27.15	1.12	28.27	<=33.01	Pass
		4 TX Slots	1909.8	25.05	1.12	26.17	<=33.01	Pass
	EGPRS	1 TX Slot	1850.2	26.53	1.12	27.65	<=33.01	Pass
		2 TX Slots	1850.2	25.39	1.12	26.51	<=33.01	Pass
		3 TX Slots	1850.2	23.18	1.12	24.30	<=33.01	Pass
		4 TX Slots	1850.2	22.70	1.12	23.82	<=33.01	Pass
		1 TX Slot	1880	26.11	1.12	27.23	<=33.01	Pass
		2 TX Slots	1880	25.02	1.12	26.14	<=33.01	Pass
		3 TX Slots	1880	23.70	1.12	24.82	<=33.01	Pass
		4 TX Slots	1880	21.10	1.12	22.22	<=33.01	Pass
		1 TX Slot	1909.8	26.36	1.12	27.48	<=33.01	Pass
		2 TX Slots	1909.8	25.50	1.12	26.62	<=33.01	Pass
		3 TX Slots	1909.8	23.27	1.12	24.39	<=33.01	Pass
		4 TX Slots	1909.8	21.55	1.12	22.67	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

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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	-3.792	-0.0020	-2.5 to 2.5	Pass
			NV	-11.294	-0.0061	-2.5 to 2.5	Pass
			HV	-1.395	-0.0008	-2.5 to 2.5	Pass
		-30	NV	-1.749	-0.0009	-2.5 to 2.5	Pass
		-20	NV	-6.005	-0.0032	-2.5 to 2.5	Pass
		-10	NV	-11.435	-0.0062	-2.5 to 2.5	Pass
		0	NV	-19.856	-0.0107	-2.5 to 2.5	Pass
		10	NV	-23.130	-0.0125	-2.5 to 2.5	Pass
		30	NV	-14.916	-0.0081	-2.5 to 2.5	Pass
		40	NV	-12.502	-0.0068	-2.5 to 2.5	Pass
		50	NV	-7.408	-0.0040	-2.5 to 2.5	Pass
	1880	20	LV	2.664	0.0014	-2.5 to 2.5	Pass
			NV	4.326	0.0023	-2.5 to 2.5	Pass
			HV	2.971	0.0016	-2.5 to 2.5	Pass
		-30	NV	6.243	0.0033	-2.5 to 2.5	Pass
		-20	NV	2.133	0.0011	-2.5 to 2.5	Pass
		-10	NV	-1.240	-0.0007	-2.5 to 2.5	Pass
		0	NV	3.677	0.0020	-2.5 to 2.5	Pass
		10	NV	4.836	0.0026	-2.5 to 2.5	Pass
		30	NV	4.909	0.0026	-2.5 to 2.5	Pass
		40	NV	9.488	0.0050	-2.5 to 2.5	Pass
		50	NV	-1.368	-0.0007	-2.5 to 2.5	Pass
	1909.8	20	LV	-3.654	-0.0019	-2.5 to 2.5	Pass
			NV	-2.986	-0.0016	-2.5 to 2.5	Pass
			HV	-3.808	-0.0020	-2.5 to 2.5	Pass
		-30	NV	-8.368	-0.0044	-2.5 to 2.5	Pass
		-20	NV	-5.497	-0.0029	-2.5 to 2.5	Pass
		-10	NV	-4.943	-0.0026	-2.5 to 2.5	Pass
		0	NV	-5.806	-0.0030	-2.5 to 2.5	Pass
		10	NV	-7.681	-0.0040	-2.5 to 2.5	Pass
		30	NV	-5.045	-0.0026	-2.5 to 2.5	Pass
		40	NV	0.379	0.0002	-2.5 to 2.5	Pass
		50	NV	-0.206	-0.0001	-2.5 to 2.5	Pass
EGPRS	1850.2	20	LV	-3.696	-0.0020	-2.5 to 2.5	Pass
			NV	-3.333	-0.0018	-2.5 to 2.5	Pass
			HV	-6.774	-0.0037	-2.5 to 2.5	Pass
		-30	NV	-4.583	-0.0025	-2.5 to 2.5	Pass
		-20	NV	-5.722	-0.0031	-2.5 to 2.5	Pass
		-10	NV	-6.996	-0.0038	-2.5 to 2.5	Pass
		0	NV	7.670	0.0041	-2.5 to 2.5	Pass
		10	NV	0.297	0.0002	-2.5 to 2.5	Pass

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		30	NV	2.922	0.0016	-2.5 to 2.5	Pass
		40	NV	4.740	0.0026	-2.5 to 2.5	Pass
		50	NV	6.453	0.0035	-2.5 to 2.5	Pass
	1880	20	LV	-6.704	-0.0036	-2.5 to 2.5	Pass
			NV	-6.469	-0.0034	-2.5 to 2.5	Pass
			HV	1.017	0.0005	-2.5 to 2.5	Pass
		-30	NV	-7.821	-0.0042	-2.5 to 2.5	Pass
		-20	NV	-7.001	-0.0037	-2.5 to 2.5	Pass
		-10	NV	-7.047	-0.0037	-2.5 to 2.5	Pass
		0	NV	-6.463	-0.0034	-2.5 to 2.5	Pass
		10	NV	-1.134	-0.0006	-2.5 to 2.5	Pass
		30	NV	1.618	0.0009	-2.5 to 2.5	Pass
		40	NV	0.811	0.0004	-2.5 to 2.5	Pass
		50	NV	-7.934	-0.0042	-2.5 to 2.5	Pass
	1909.8	20	LV	-6.784	-0.0036	-2.5 to 2.5	Pass
			NV	-6.131	-0.0032	-2.5 to 2.5	Pass
			HV	-5.672	-0.0030	-2.5 to 2.5	Pass
		-30	NV	-3.875	-0.0020	-2.5 to 2.5	Pass
		-20	NV	-9.019	-0.0047	-2.5 to 2.5	Pass
		-10	NV	-6.466	-0.0034	-2.5 to 2.5	Pass
		0	NV	-4.482	-0.0023	-2.5 to 2.5	Pass
		10	NV	2.807	0.0015	-2.5 to 2.5	Pass
		30	NV	-4.917	-0.0026	-2.5 to 2.5	Pass
		40	NV	0.710	0.0004	-2.5 to 2.5	Pass
		50	NV	-0.888	-0.0005	-2.5 to 2.5	Pass

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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	0.245	/	Pass
			1880	0.246	/	Pass
			1909.8	0.241	/	Pass
	EGPRS	1 TX Slot	1850.2	0.252	/	Pass
			1880	0.254	/	Pass
			1909.8	0.252	/	Pass

3.1.2 PCS1900_XDB

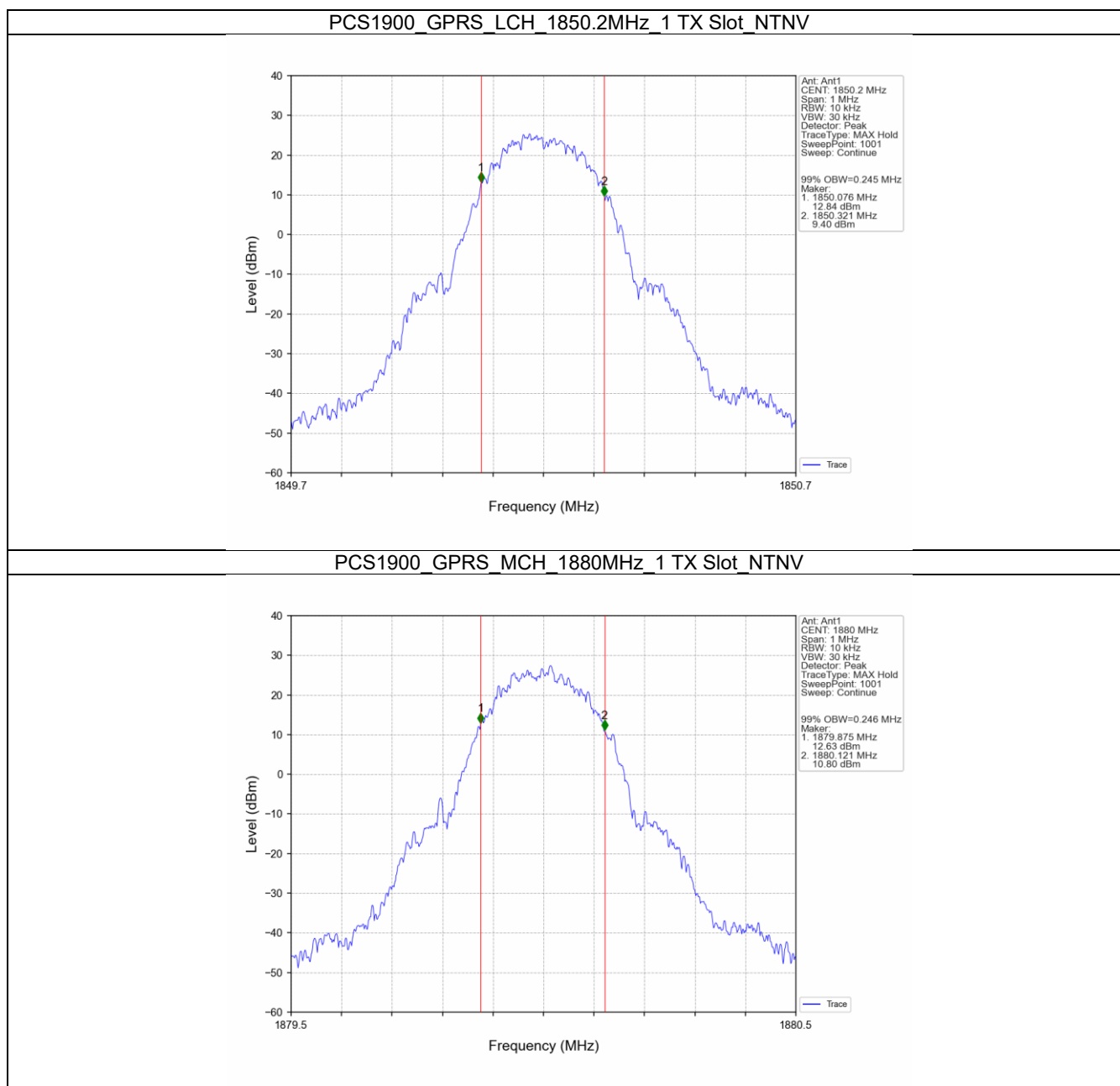
Band: PCS1900						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	1850.2	0.316	/	Pass
			1880	0.314	/	Pass
			1909.8	0.318	/	Pass
	EGPRS	1 TX Slot	1850.2	0.319	/	Pass
			1880	0.326	/	Pass
			1909.8	0.320	/	Pass

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3.2 Test Graph

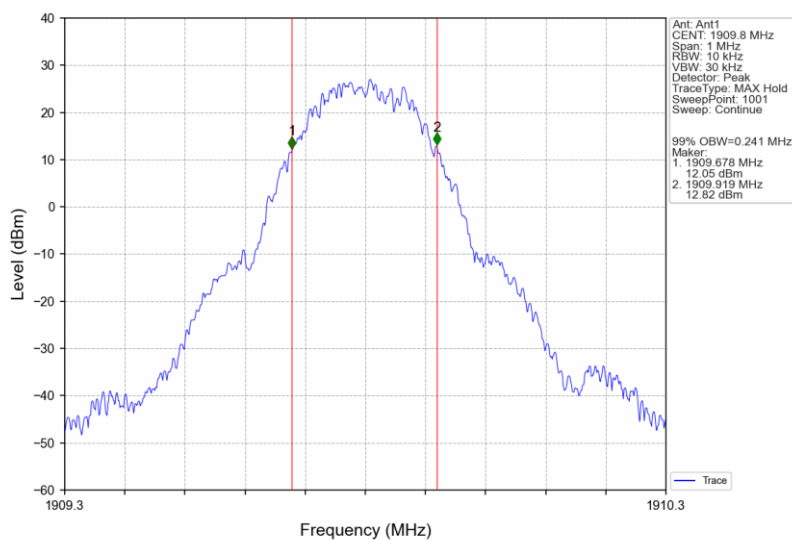
3.2.1 PCS1900_OBW



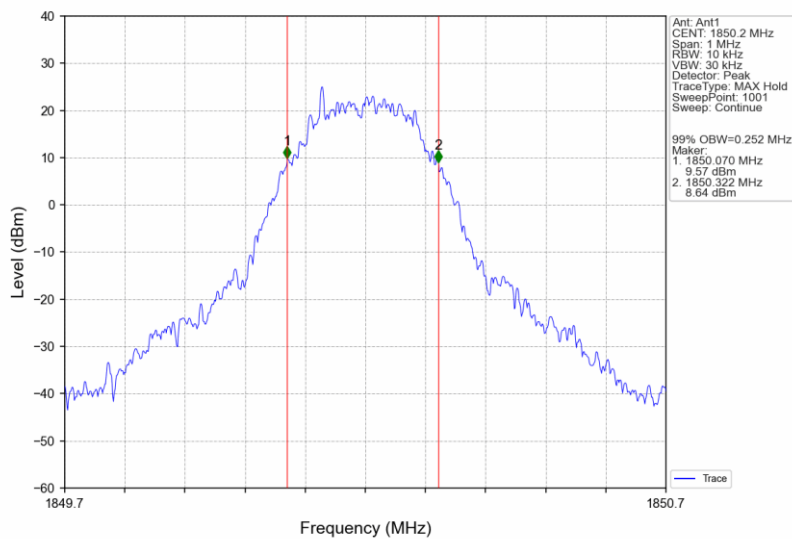
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PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



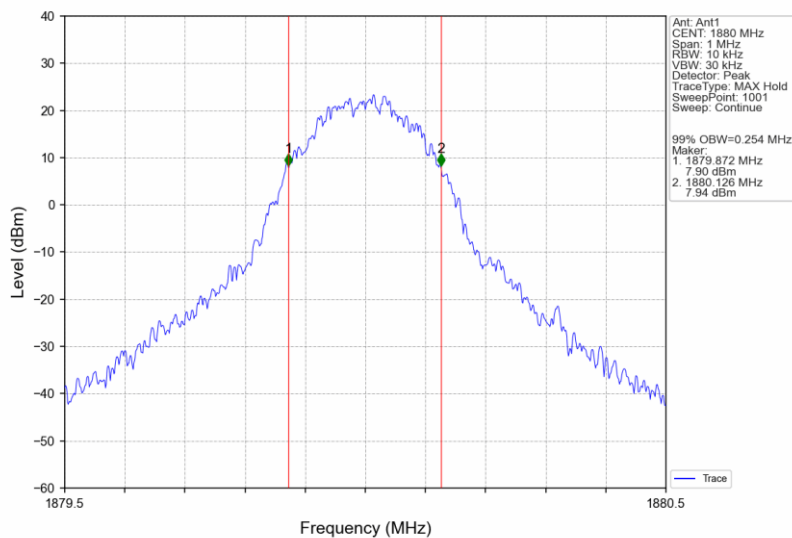
PCS1900_EGPRS_LCH_1850.2MHz_1 TX Slot_NTNV



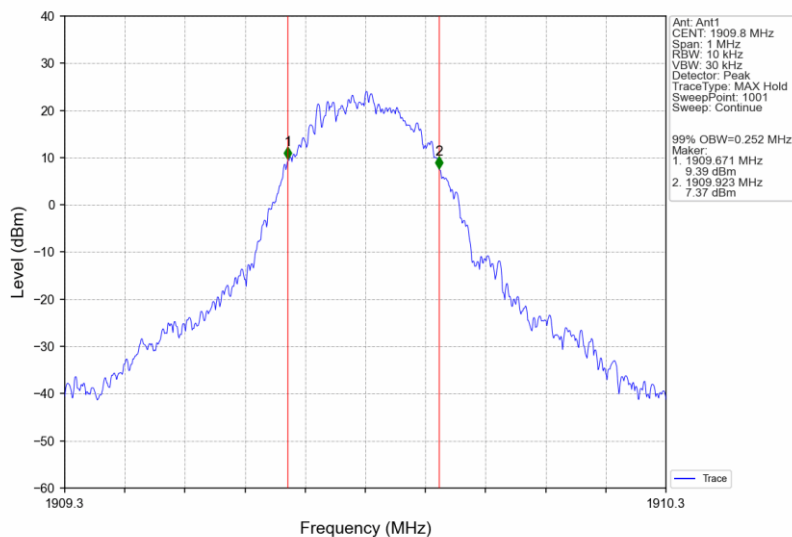
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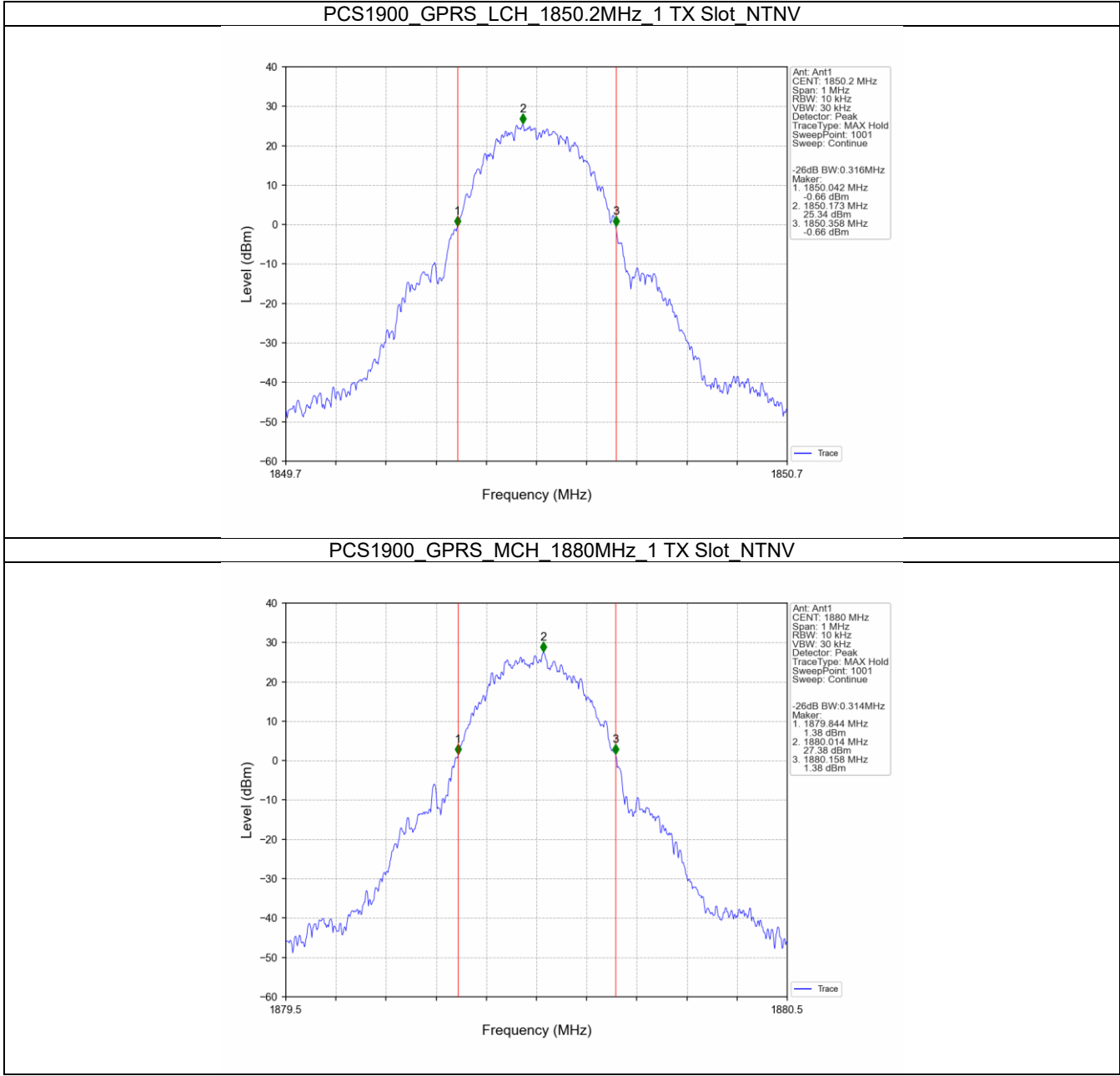
PCS1900_EGPRS_MCH_1880MHz_1 TX Slot_NTNV



PCS1900_EGPRS_HCH_1909.8MHz_1 TX Slot_NTNV



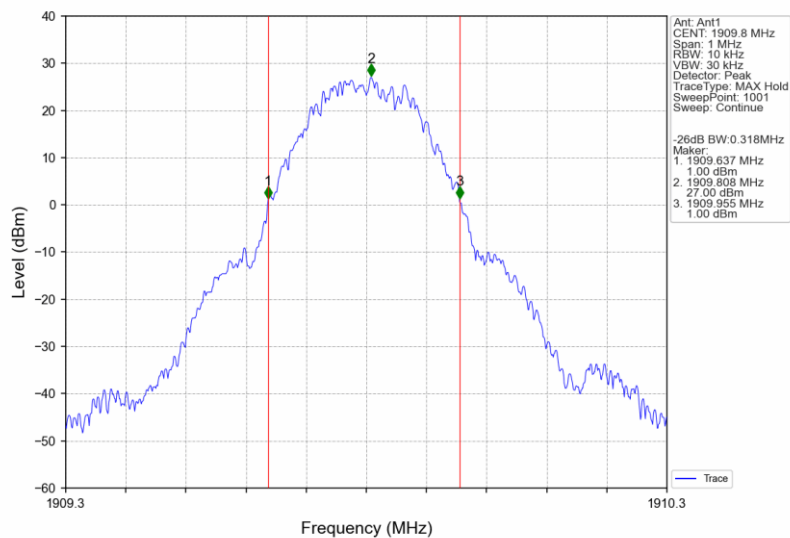
3.2.2 PCS1900_XDB



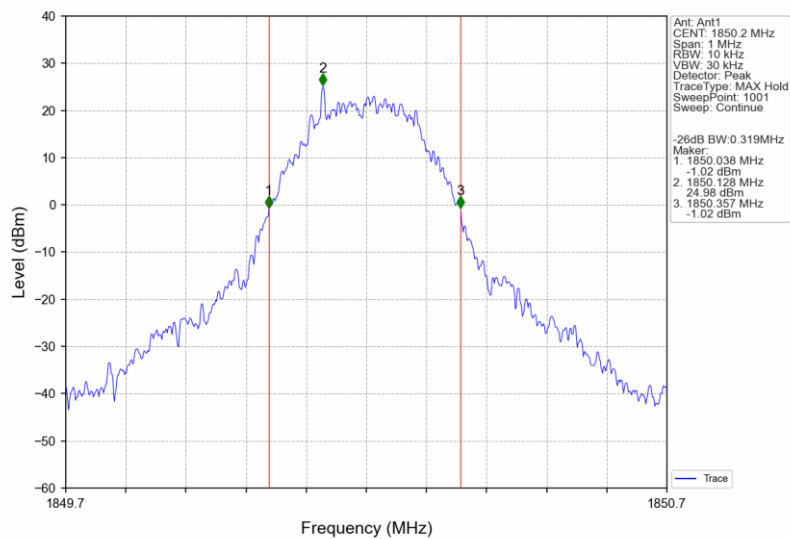
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Report No.: FYCR2606000176AT

PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



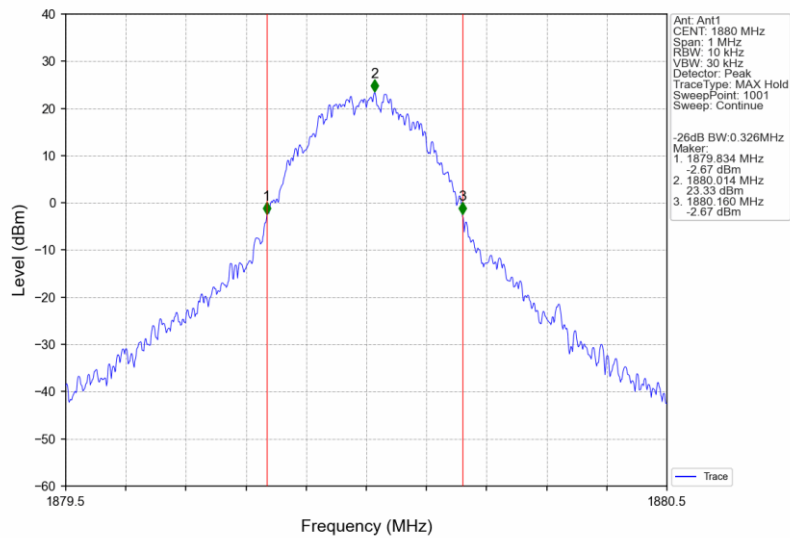
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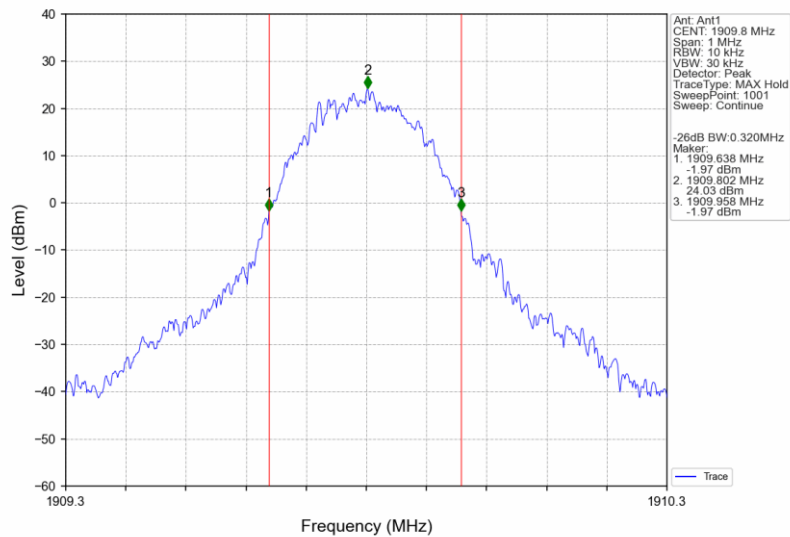
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Report No.: FYCR2606000176AT

PCS1900_EGPRS_MCH_1880MHz_1 TX Slot_NTNV



PCS1900_EGPRS_HCH_1909.8MHz_1 TX Slot_NTNV



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4. Peak-Average Ratio

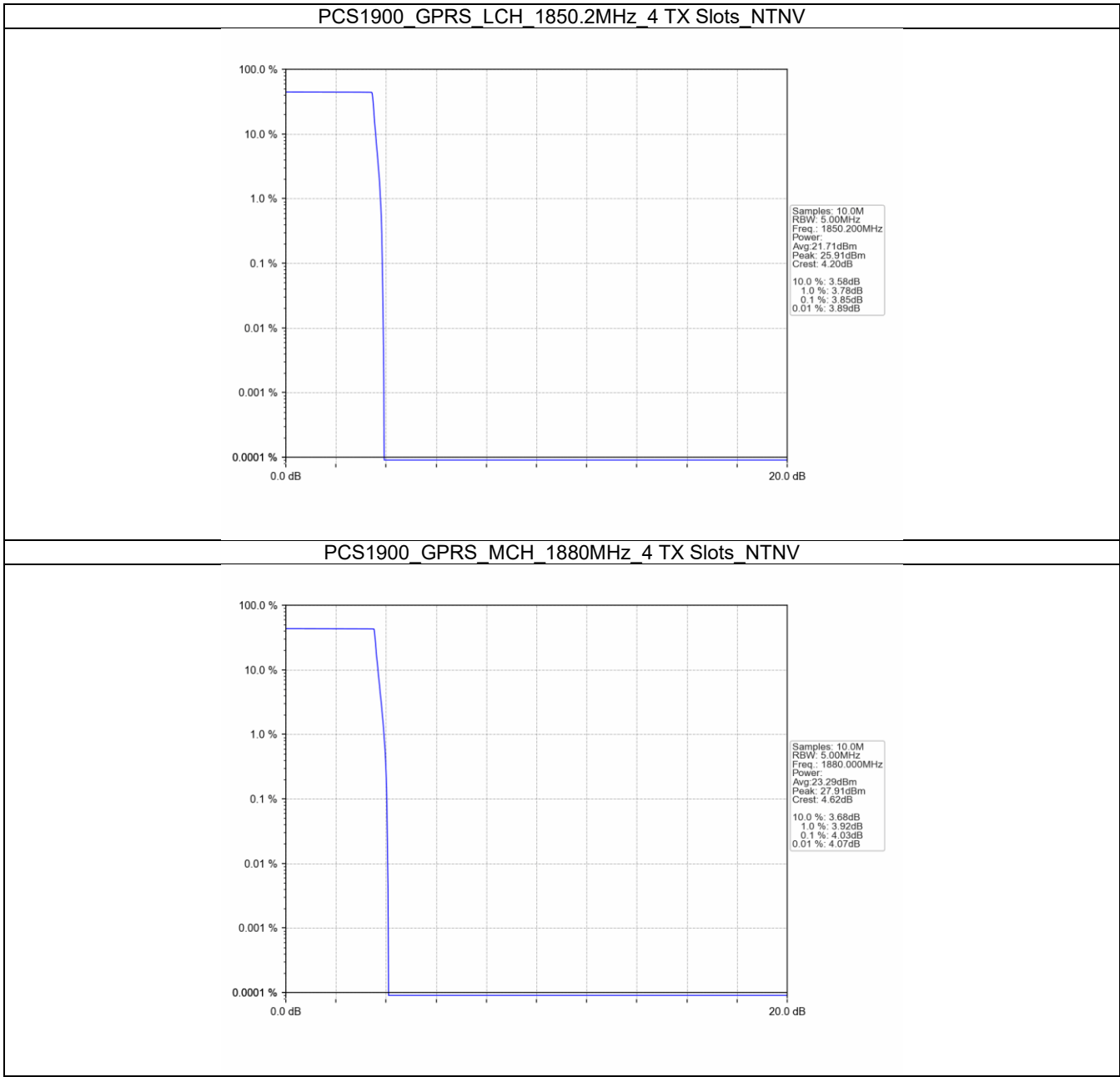
4.1 Test Result

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	3.85	<=13	Pass
			1880	4.03	<=13	Pass
			1909.8	4.04	<=13	Pass
	EGPRS	4 TX Slots	1850.2	6.93	<=13	Pass
			1880	8.18	<=13	Pass
			1909.8	6.98	<=13	Pass

4.2 Test Graph

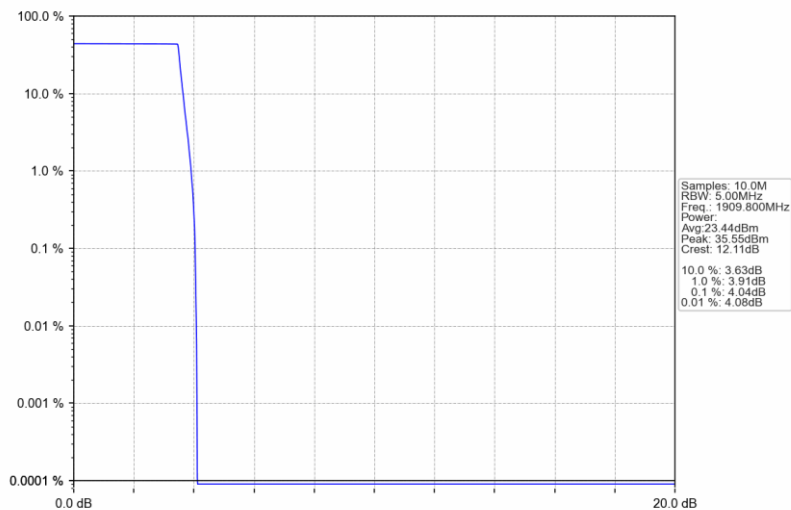
4.2.1 PCS1900



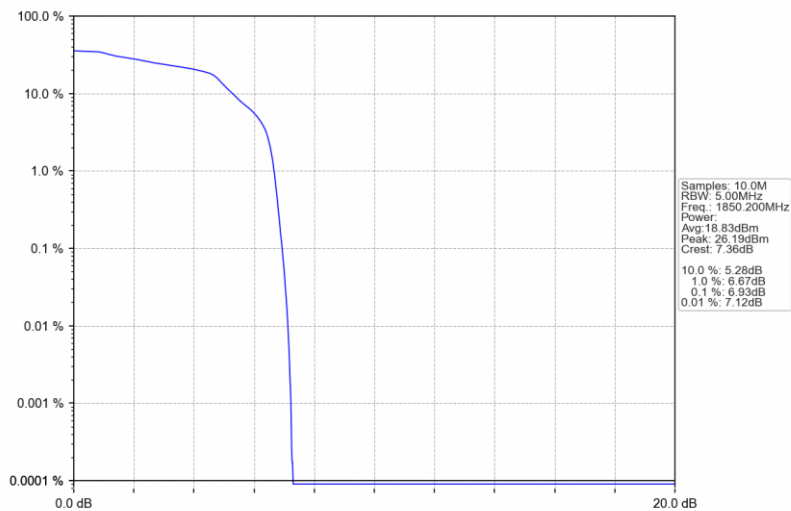
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PCS1900 GPRS HCH 1909.8MHz 4 TX Slots NTN



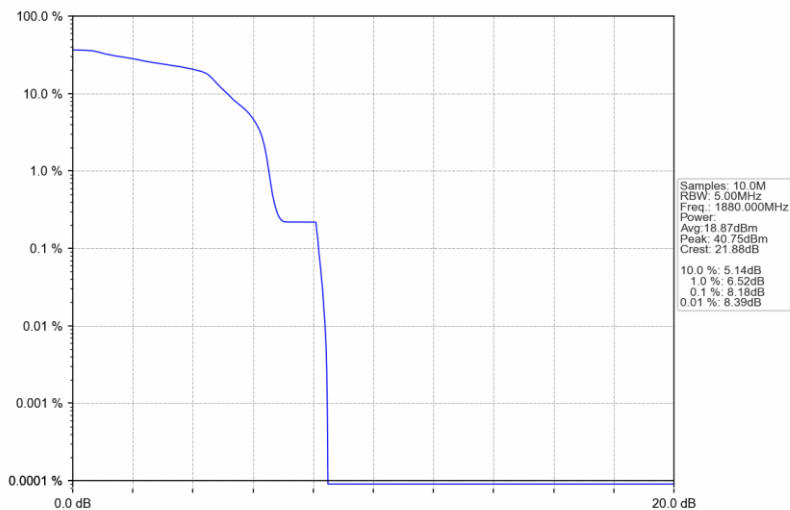
PCS1900 EGPRS LCH 1850.2MHz 4 TX Slots NTN



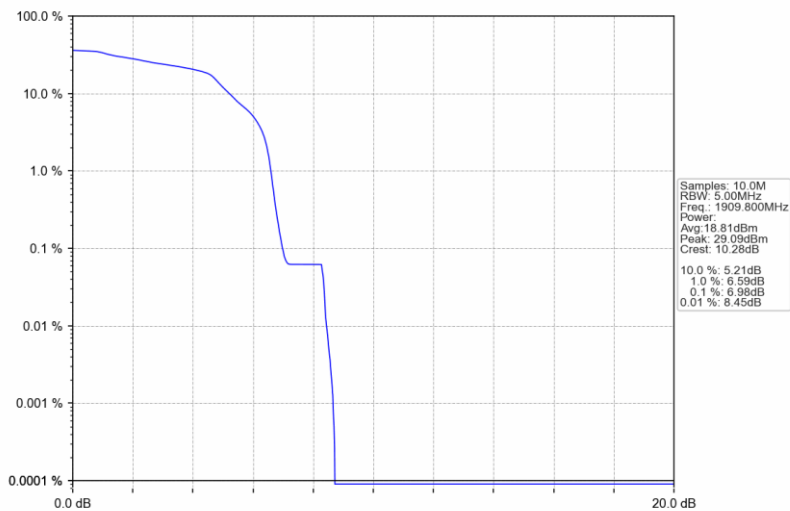
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

Report No.: FYCR2606000176AT

PCS1900 EGPRS MCH 1880MHz 4 TX Slots NTN



PCS1900 EGPRS HCH 1909.8MHz 4 TX Slots NTN



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5. Spurious Emission

5.1 Test Result

5.1.1 PCS1900

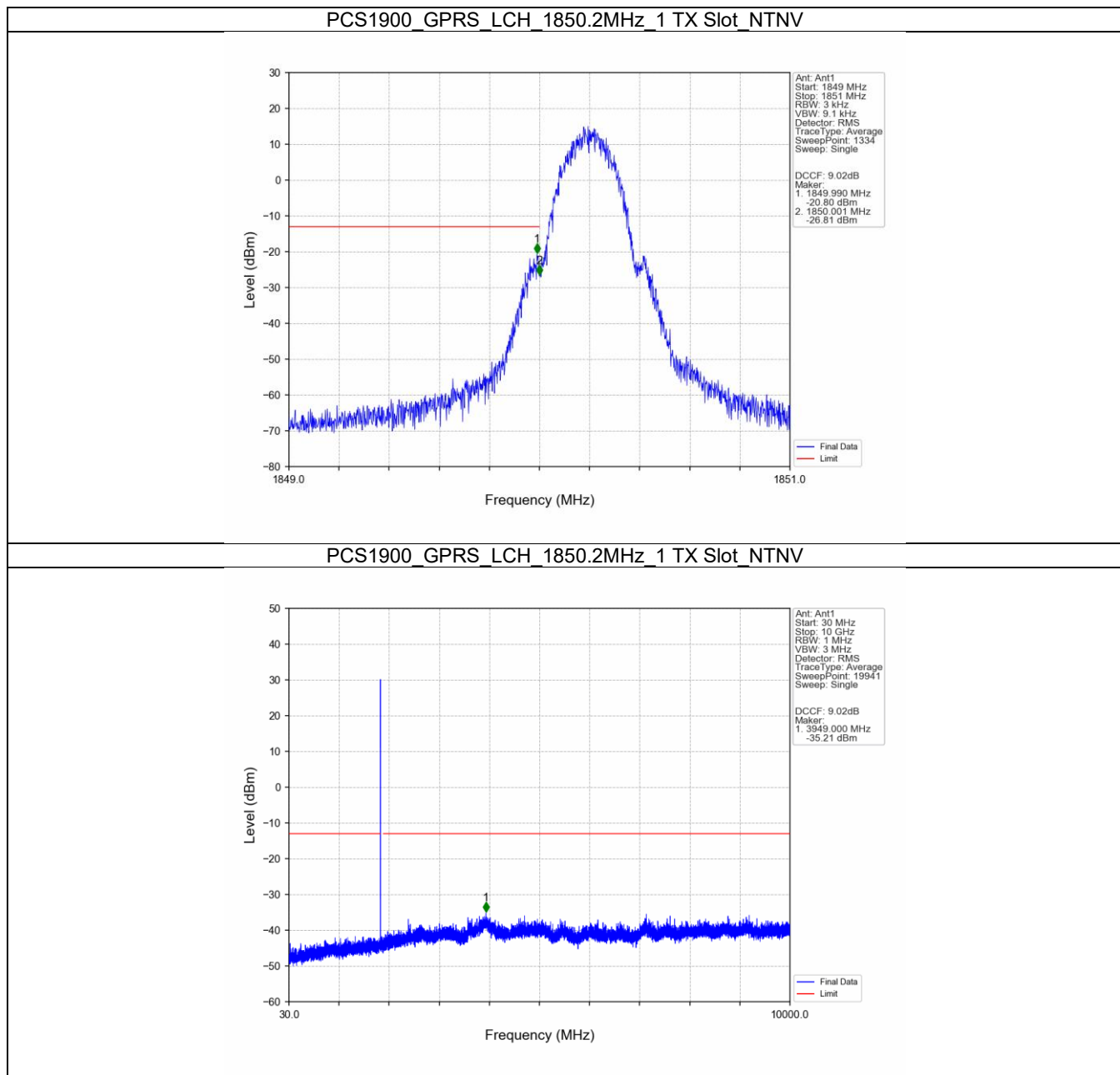
Band: PCS1900					
ENV	Mode		Frequency (MHz)	Spurious Emission	
	Network	Subset		Result	Limit
NTNV	GPRS	1 TX Slot	1850.2	Refer To Test Graph	Pass
			1880	Refer To Test Graph	Pass
			1909.8	Refer To Test Graph	Pass
	EGPRS	1 TX Slot	1850.2	Refer To Test Graph	Pass
			1880	Refer To Test Graph	Pass
			1909.8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

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5.2 Test Graph

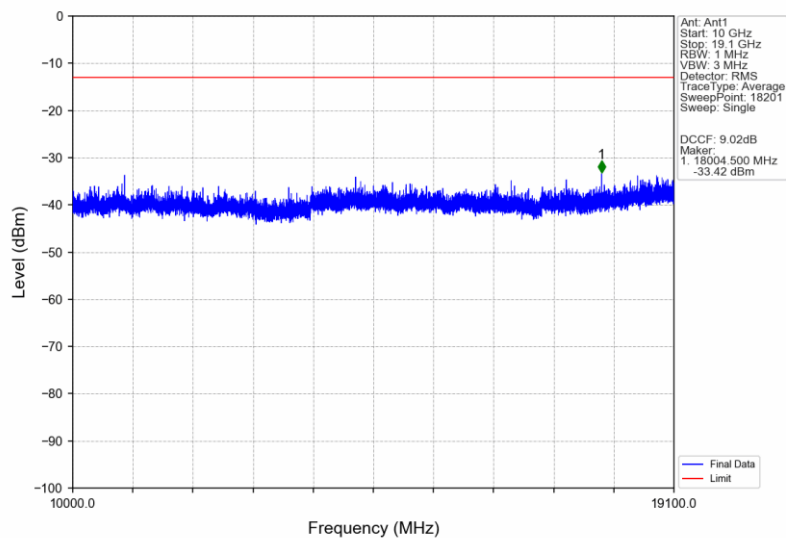
5.2.1 PCS1900



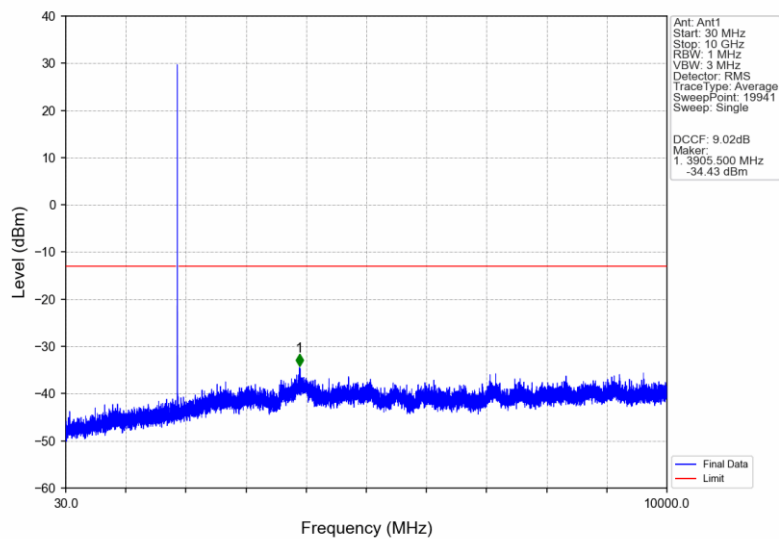
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PCS1900_GPRS_LCH_1850.2MHz_1 TX Slot_NTNV



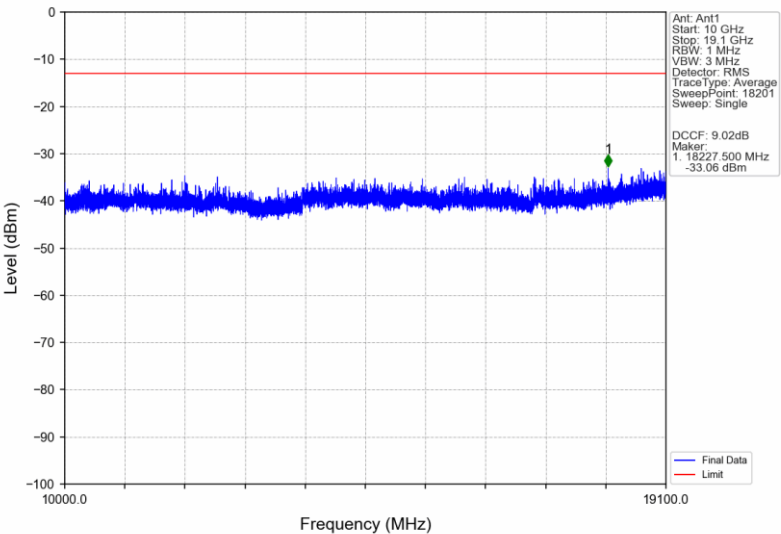
PCS1900_GPRS_MCH_1880MHz_1 TX Slot_NTNV



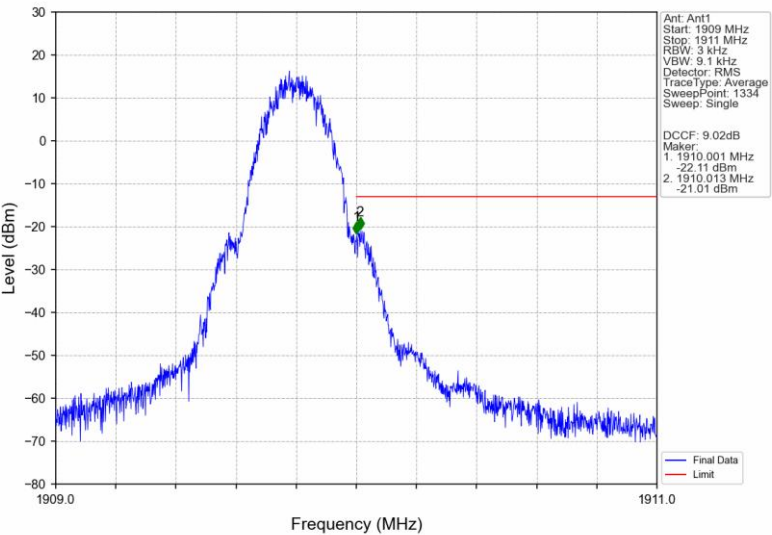
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PCS1900_GPRS_MCH_1880MHz_1 TX Slot_NTNV



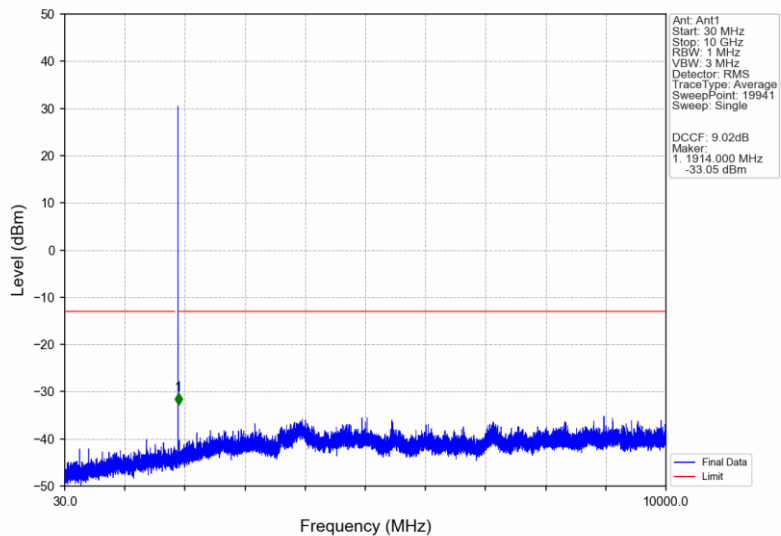
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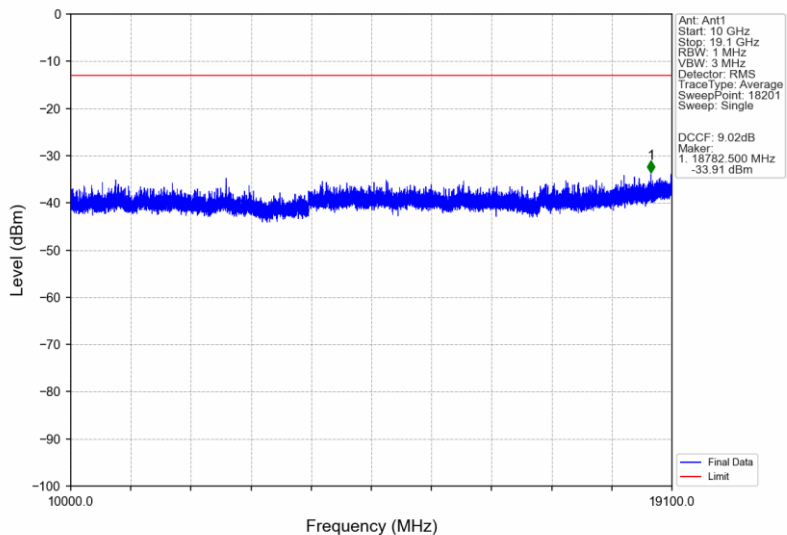
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PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



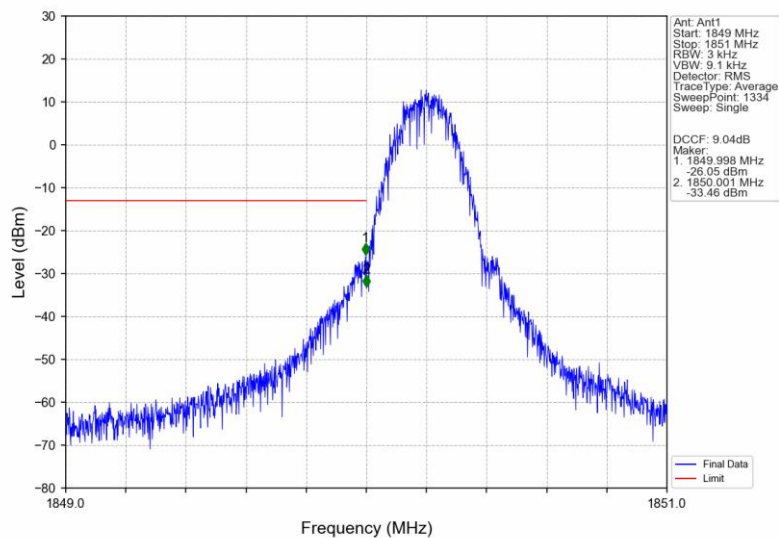
PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



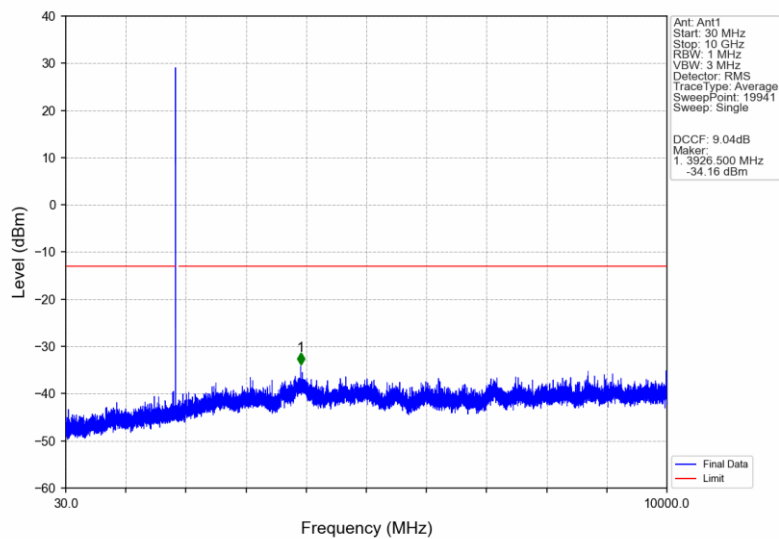
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PCS1900 EGPRS LCH 1850.2MHz_1 TX Slot_NTNV



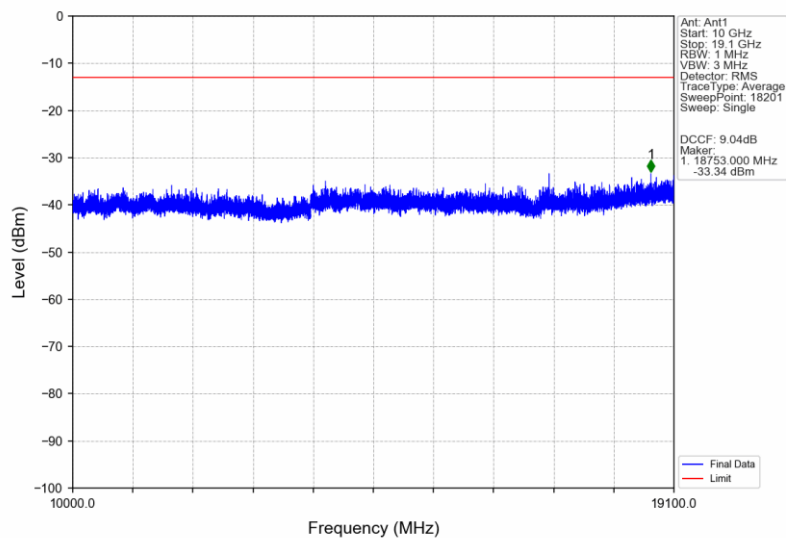
PCS1900 EGPRS LCH 1850.2MHz_1 TX Slot_NTNV



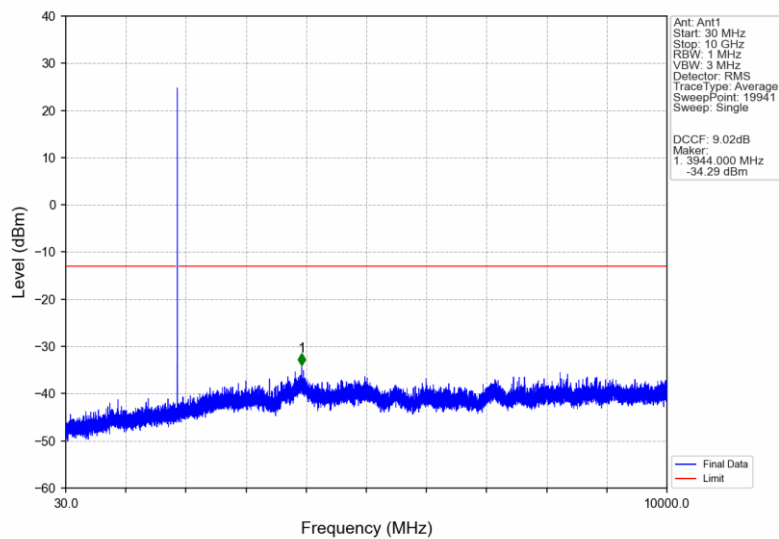
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PCS1900_EGPRS_LCH_1850.2MHz_1 TX Slot_NTNV



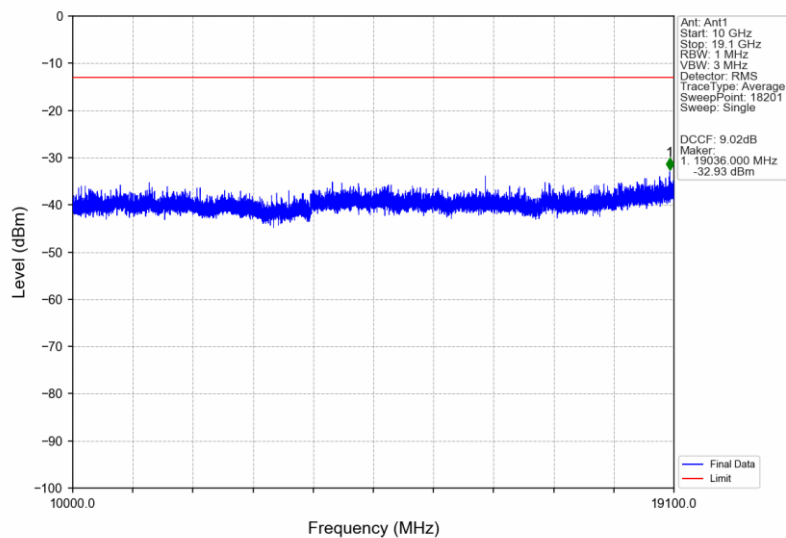
PCS1900_EGPRS_MCH_1880MHz_1 TX Slot_NTNV



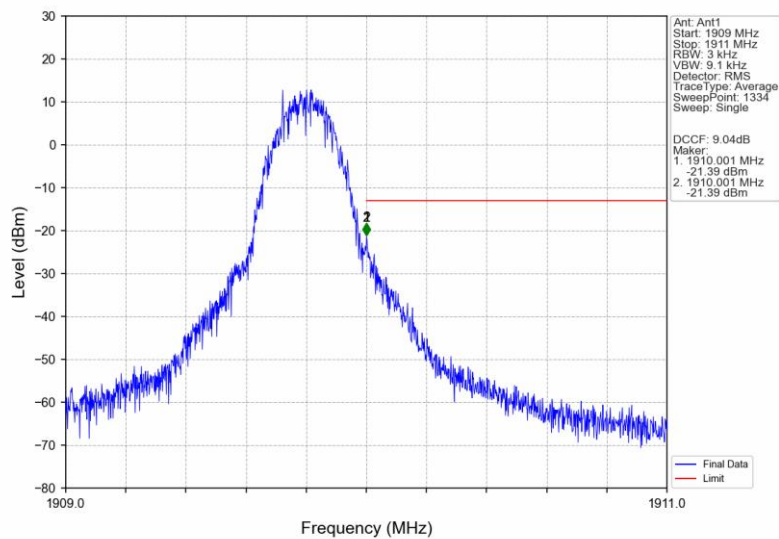
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Report No.: FYCR2606000176AT

PCS1900_EGPRS_MCH_1880MHz_1 TX Slot_NTNV



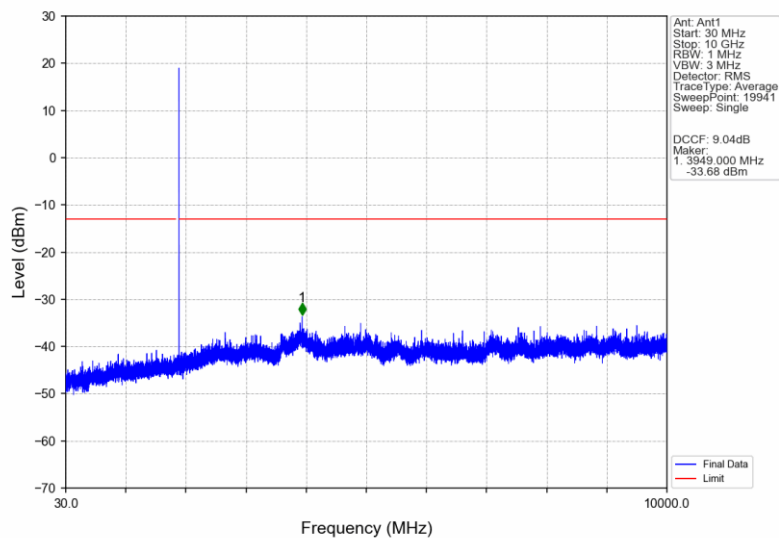
PCS1900_EGPRS_HCH_1909.8MHz_1 TX Slot_NTNV



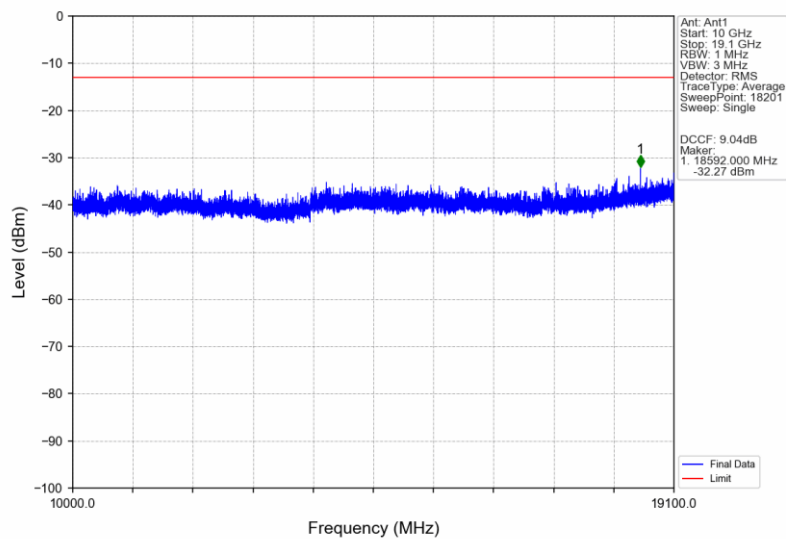
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PCS1900 EGPRS HCH 1909.8MHz 1 TX Slot_NTNV



PCS1900 EGPRS HCH 1909.8MHz 1 TX Slot_NTNV



- End of the Appendix -