

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	31.71	0.13	31.84	<=33.01	Pass
		2 TX Slots	1850.2	31.00	0.13	31.13	<=33.01	Pass
		3 TX Slots	1850.2	28.76	0.13	28.89	<=33.01	Pass
		4 TX Slots	1850.2	26.91	0.13	27.04	<=33.01	Pass
		1 TX Slot	1880	31.74	0.13	31.87	<=33.01	Pass
		2 TX Slots	1880	30.86	0.13	30.99	<=33.01	Pass
		3 TX Slots	1880	28.18	0.13	28.31	<=33.01	Pass
		4 TX Slots	1880	26.19	0.13	26.32	<=33.01	Pass
		1 TX Slot	1909.8	31.47	0.13	31.60	<=33.01	Pass
		2 TX Slots	1909.8	30.25	0.13	30.38	<=33.01	Pass
		3 TX Slots	1909.8	27.52	0.13	27.65	<=33.01	Pass
		4 TX Slots	1909.8	25.46	0.13	25.59	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
GPRS	1850.2	20	3.40	-13.366	-0.0072	-2.5 to 2.5	Pass
			3.70	-20.082	-0.0109	-2.5 to 2.5	Pass
			4.20	-15.820	-0.0086	-2.5 to 2.5	Pass
		-30	3.70	-13.140	-0.0071	-2.5 to 2.5	Pass
		-20	3.70	-13.528	-0.0073	-2.5 to 2.5	Pass
		-10	3.70	-17.434	-0.0094	-2.5 to 2.5	Pass
		0	3.70	-16.240	-0.0088	-2.5 to 2.5	Pass
		10	3.70	-15.852	-0.0086	-2.5 to 2.5	Pass
		30	3.70	-22.342	-0.0121	-2.5 to 2.5	Pass
		40	3.70	-14.819	-0.0080	-2.5 to 2.5	Pass
		50	3.70	-15.303	-0.0083	-2.5 to 2.5	Pass
	1880	20	3.40	-14.722	-0.0078	-2.5 to 2.5	Pass
			3.70	-13.334	-0.0071	-2.5 to 2.5	Pass
			4.20	-14.690	-0.0078	-2.5 to 2.5	Pass
		-30	3.70	-13.140	-0.0070	-2.5 to 2.5	Pass
		-20	3.70	-17.338	-0.0092	-2.5 to 2.5	Pass
		-10	3.70	-12.301	-0.0065	-2.5 to 2.5	Pass
		0	3.70	-14.270	-0.0076	-2.5 to 2.5	Pass
		10	3.70	-12.850	-0.0068	-2.5 to 2.5	Pass
		30	3.70	-11.817	-0.0063	-2.5 to 2.5	Pass
		40	3.70	-15.239	-0.0081	-2.5 to 2.5	Pass
		50	3.70	-13.173	-0.0070	-2.5 to 2.5	Pass
	1909.8	20	3.40	-14.981	-0.0078	-2.5 to 2.5	Pass
			3.70	-14.625	-0.0077	-2.5 to 2.5	Pass
			4.20	-11.881	-0.0062	-2.5 to 2.5	Pass
		-30	3.70	-11.235	-0.0059	-2.5 to 2.5	Pass
		-20	3.70	-10.461	-0.0055	-2.5 to 2.5	Pass
		-10	3.70	-17.112	-0.0090	-2.5 to 2.5	Pass
		0	3.70	-13.625	-0.0071	-2.5 to 2.5	Pass
		10	3.70	-16.982	-0.0089	-2.5 to 2.5	Pass
		30	3.70	-16.014	-0.0084	-2.5 to 2.5	Pass
		40	3.70	-15.755	-0.0082	-2.5 to 2.5	Pass
		50	3.70	-18.016	-0.0094	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 PCS1900_OBW

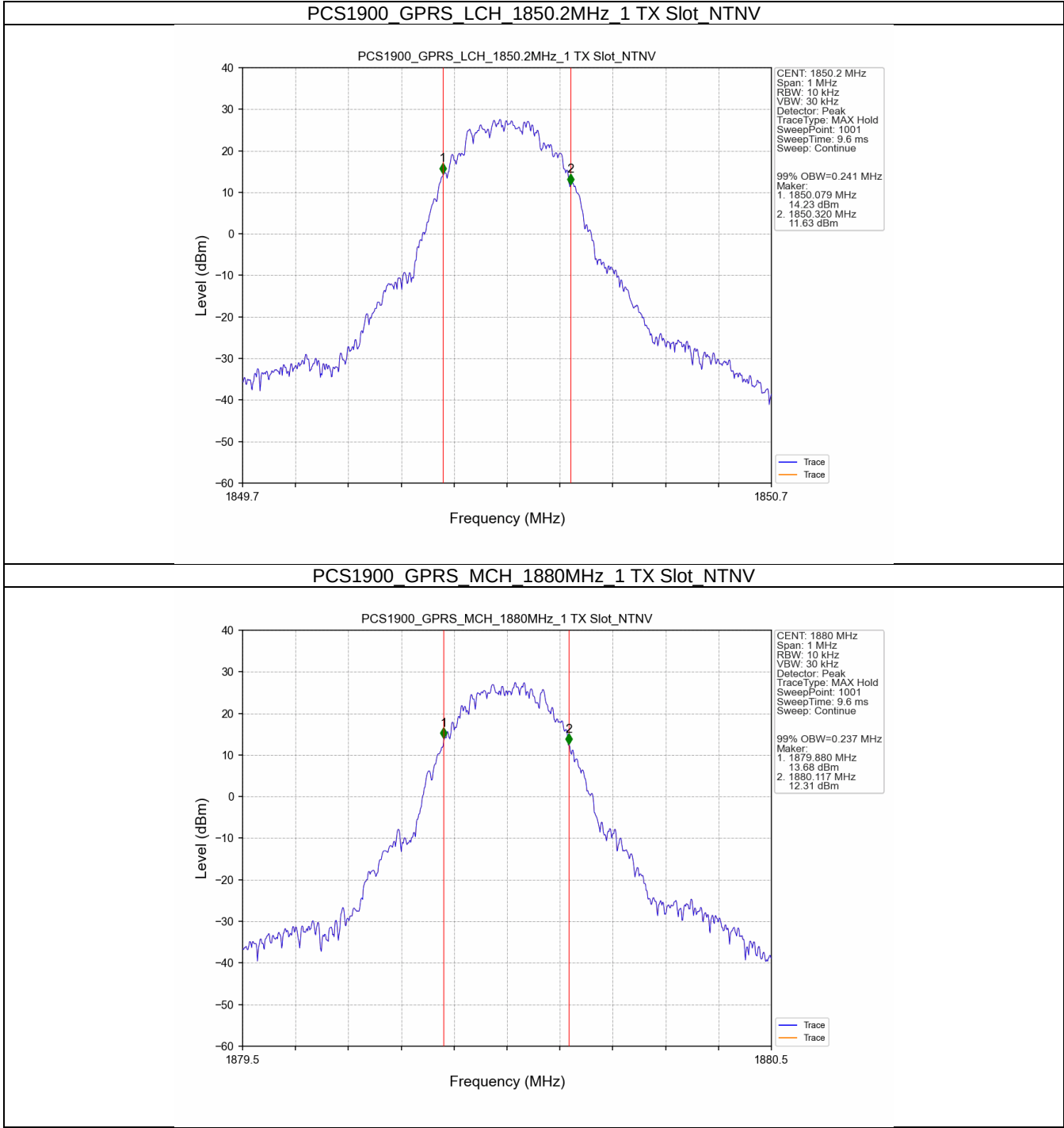
Band: PCS1900						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	1850.2	0.241	/	Pass
			1880	0.237	/	Pass
			1909.8	0.235	/	Pass

3.1.2 PCS1900_XDB

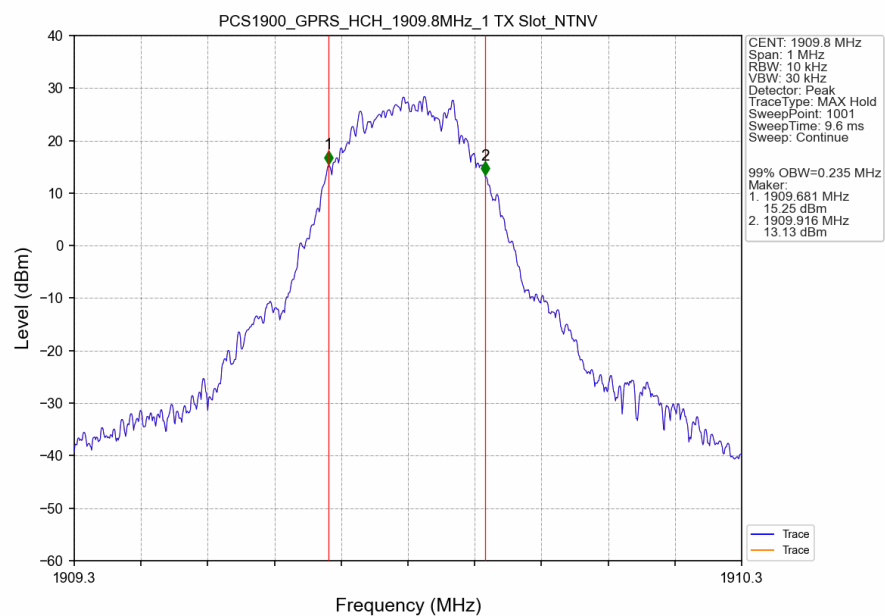
Band: PCS1900						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	1850.2	0.305	/	Pass
			1880	0.310	/	Pass
			1909.8	0.295	/	Pass

3.2 Test Graph

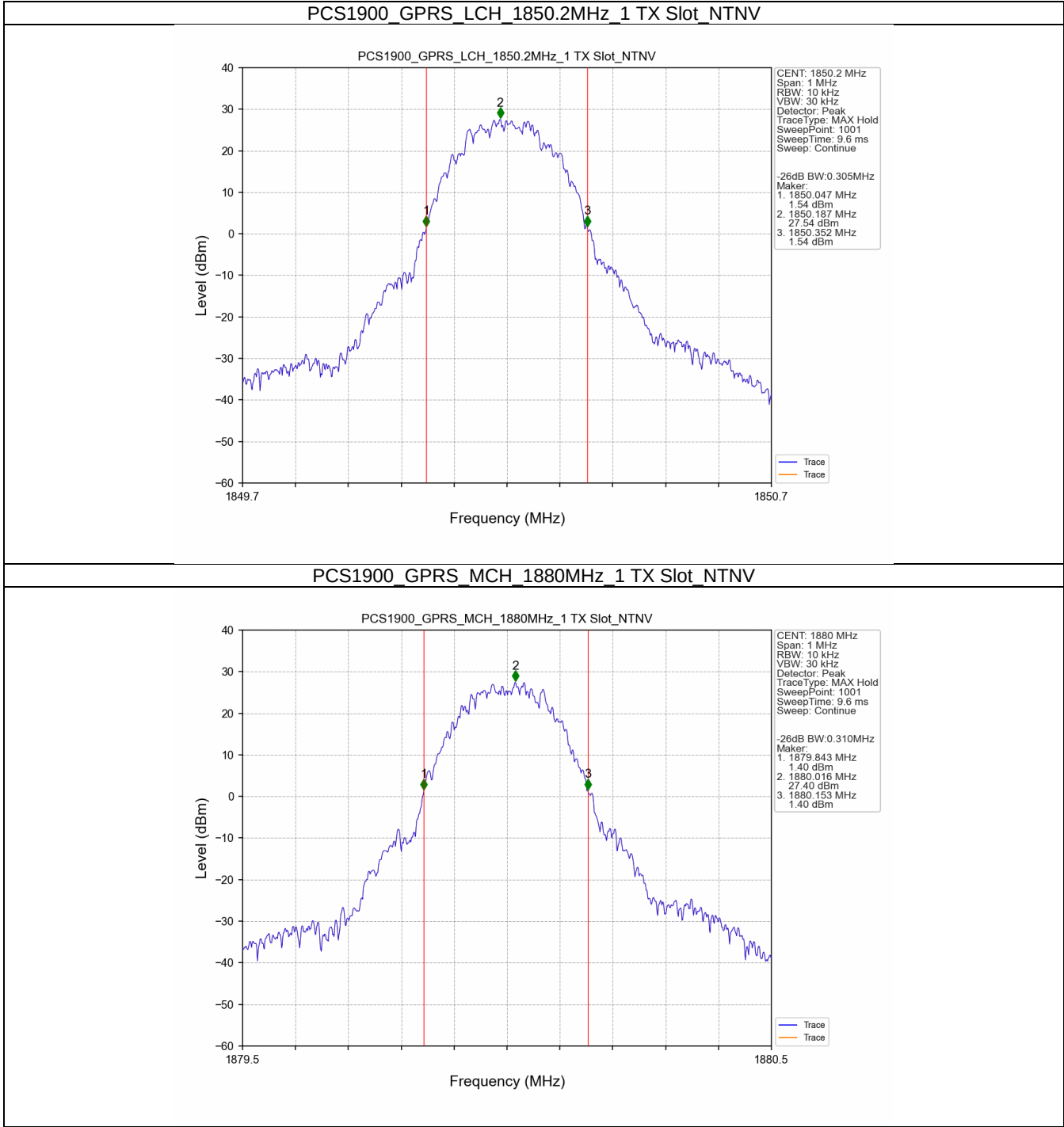
3.2.1 PCS1900_OBW



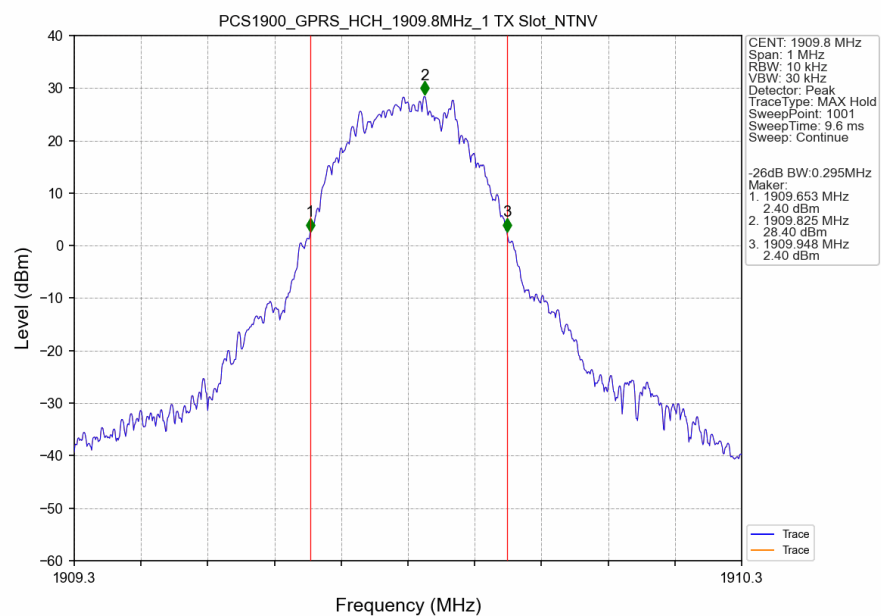
PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



3.2.2 PCS1900_XDB



PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



4. Peak-Average Ratio

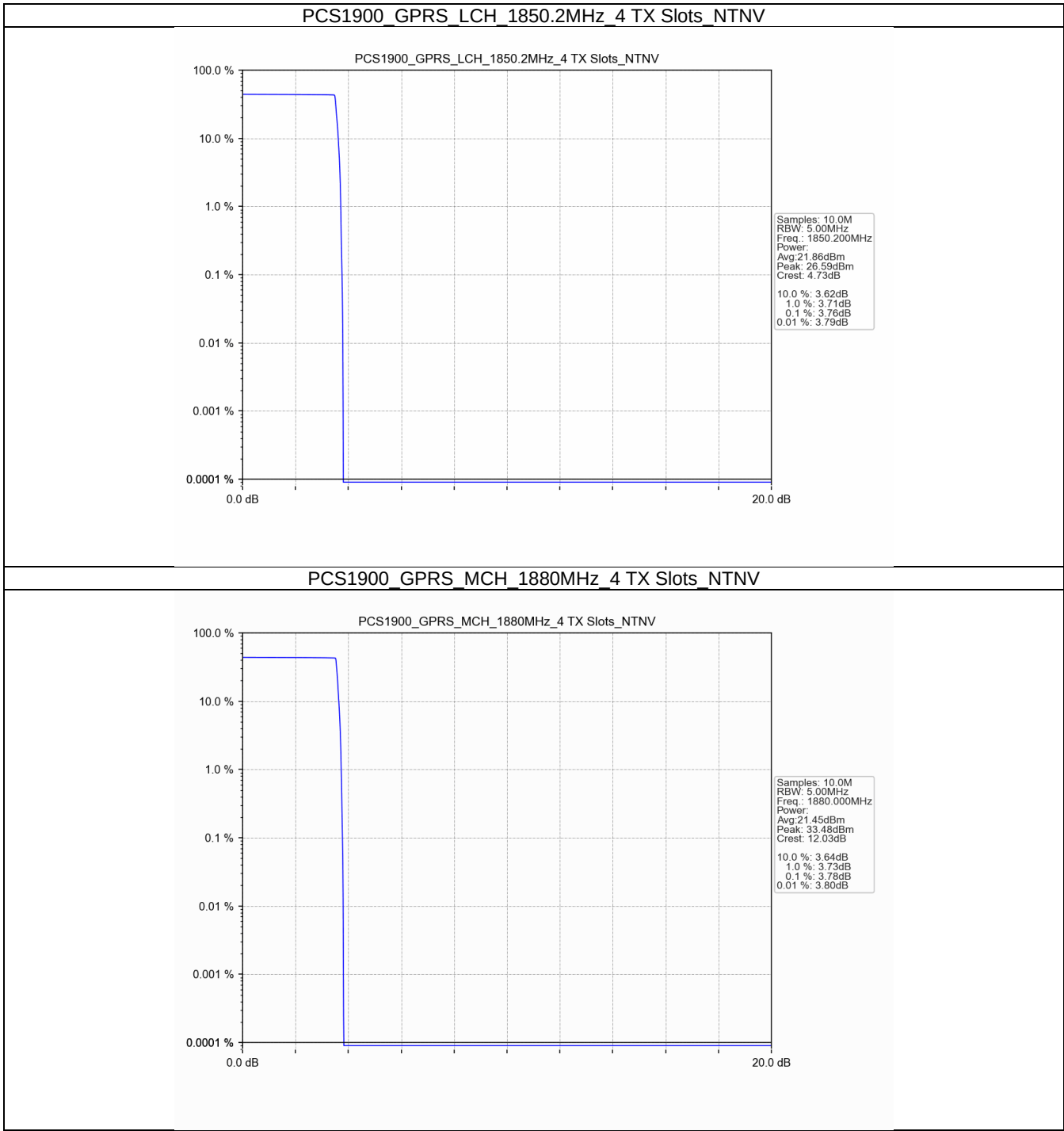
4.1 Test Result

4.1.1 PCS1900

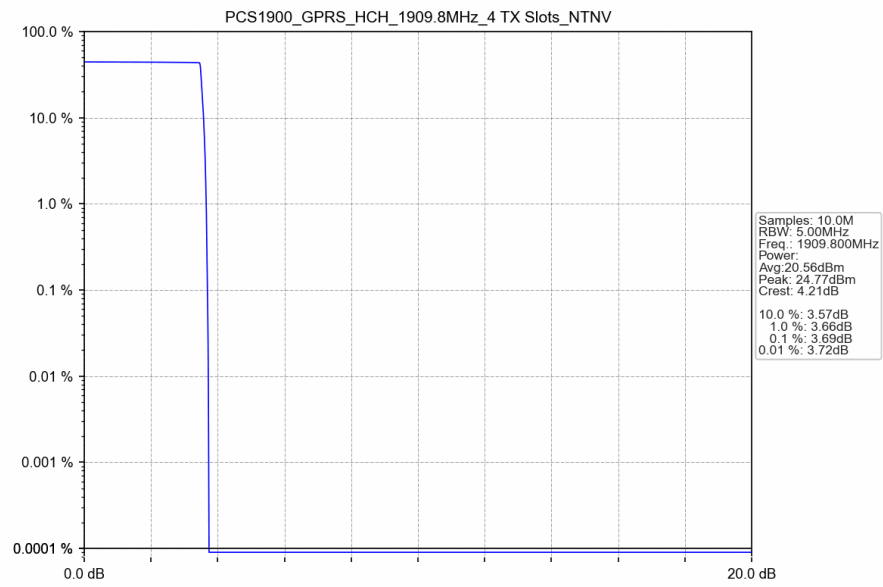
Band: PCS1900						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	4 TX Slots	1850.2	3.76	<=13	Pass
			1880	3.78	<=13	Pass
			1909.8	3.69	<=13	Pass

4.2 Test Graph

4.2.1 PCS1900



PCS1900 GPRS HCH 1909.8MHz 4 TX Slots_NTNV



5. Spurious Emission

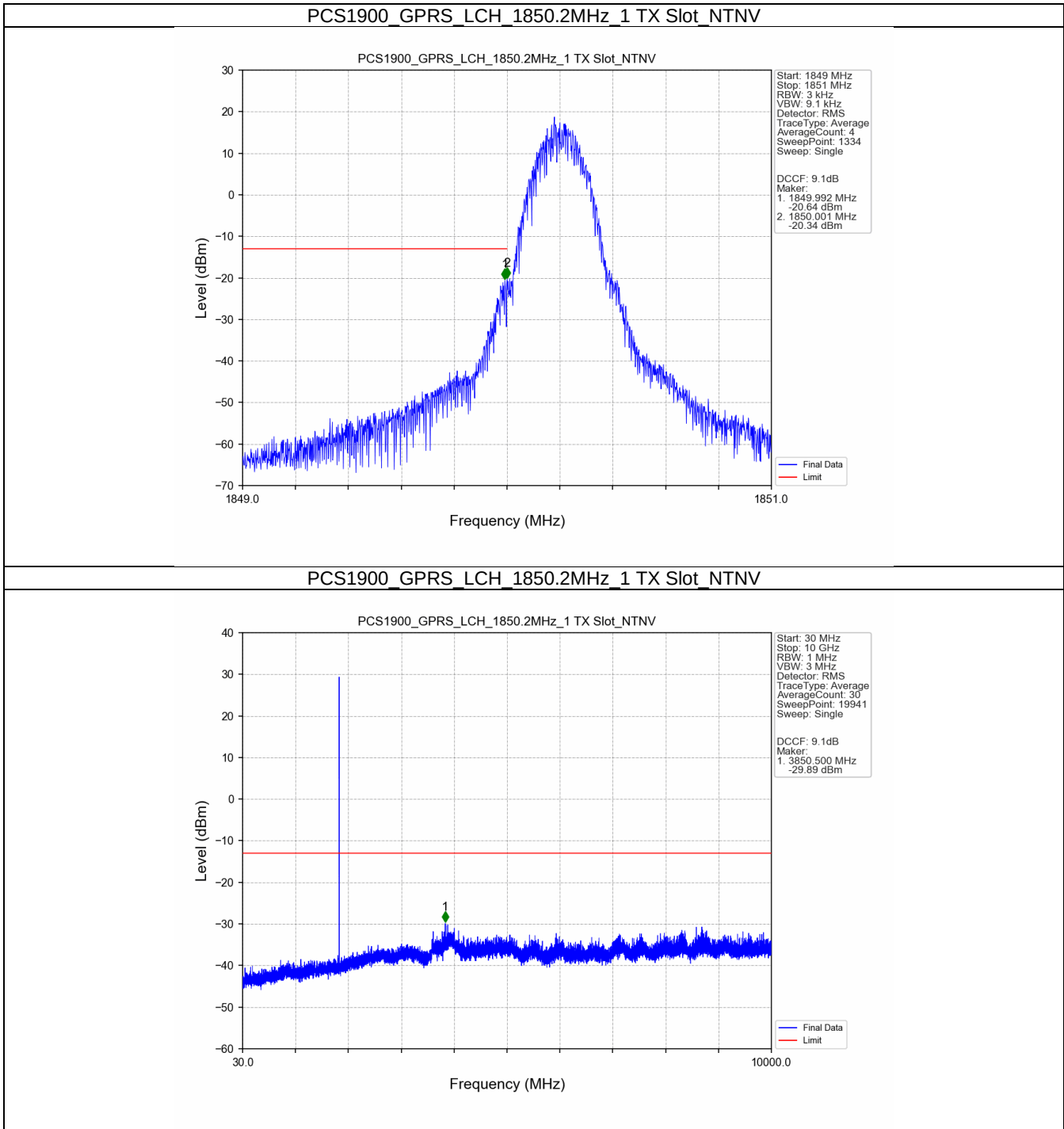
5.1 Test Result

5.1.1 PCS1900

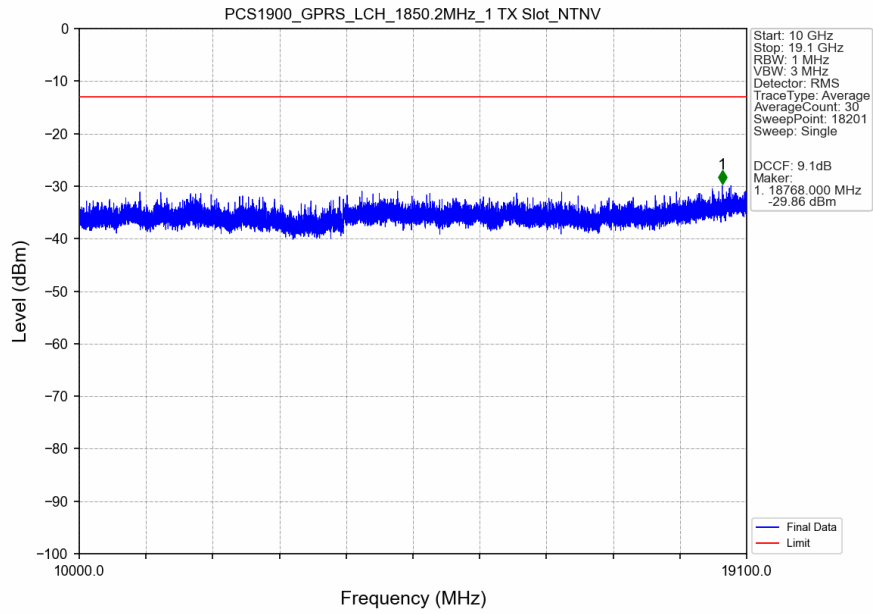
Band: PCS1900						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	1850.2	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1909.8	Refer To Test Graph		Pass

5.2 Test Graph

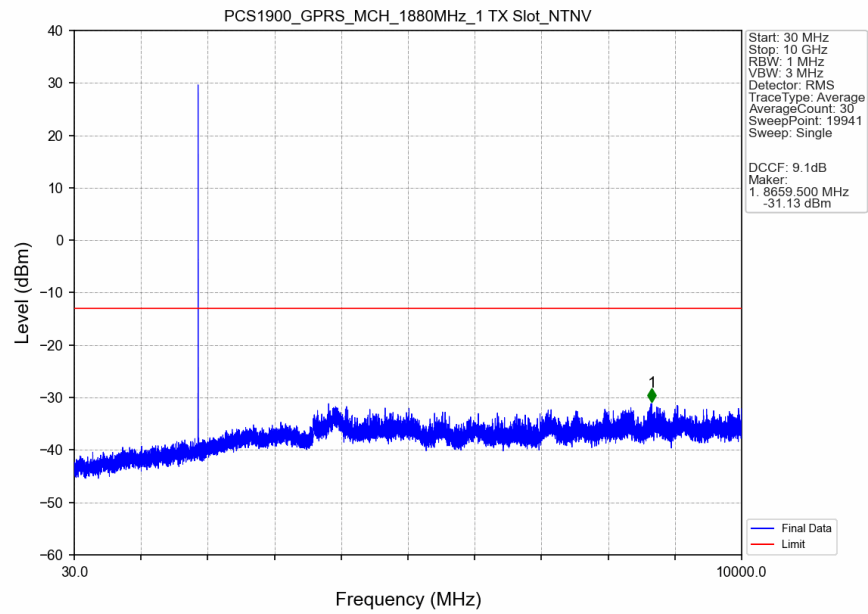
5.2.1 PCS1900



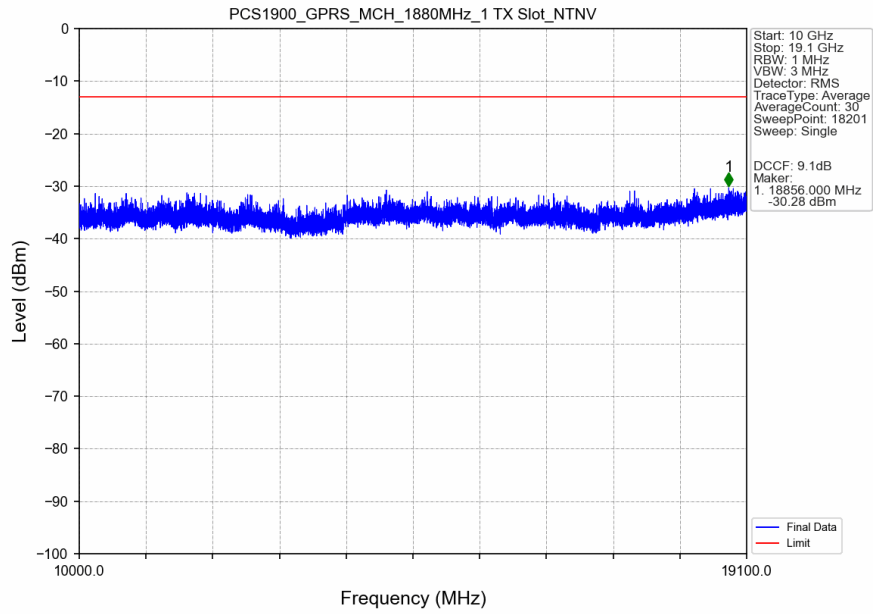
PCS1900_GPRS_LCH_1850.2MHz_1 TX Slot_NTNV



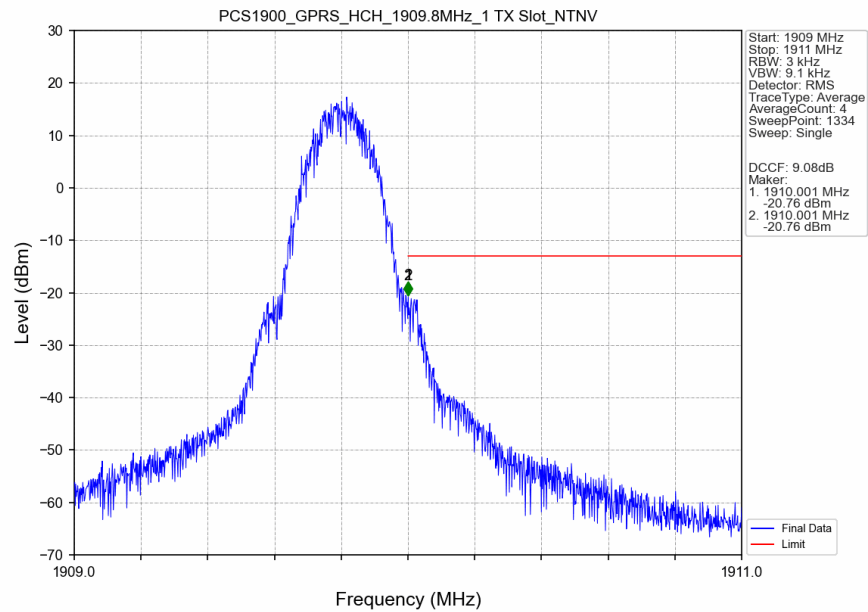
PCS1900_GPRS_MCH_1880MHz_1 TX Slot_NTNV



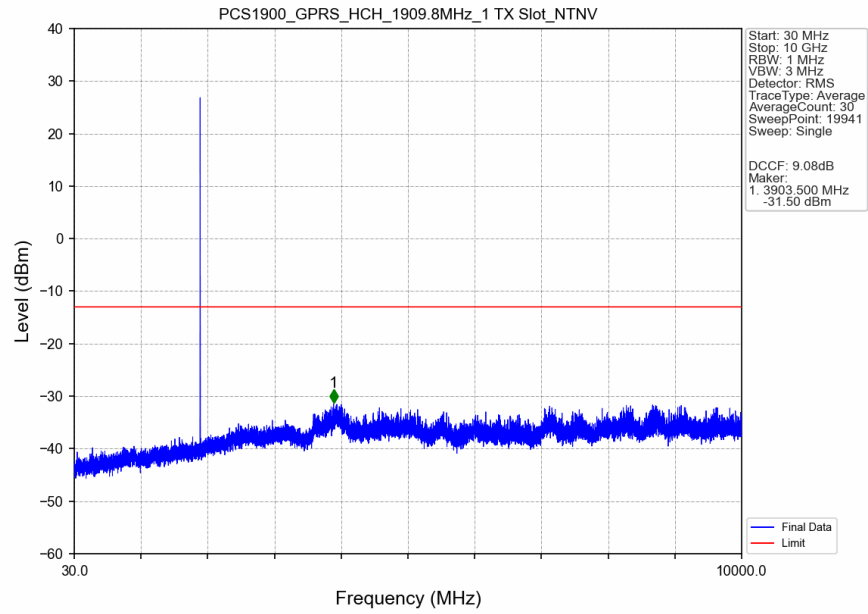
PCS1900_GPRS_MCH_1880MHz_1 TX Slot_NTNV



PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV

