

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	0.38	30.92	<=33.01	Pass
		2 TX Slots	1850.2	28.90	0.38	29.28	<=33.01	Pass
		3 TX Slots	1850.2	27.00	0.38	27.38	<=33.01	Pass
		4 TX Slots	1850.2	24.96	0.38	25.34	<=33.01	Pass
		1 TX Slot	1880	30.45	0.38	30.83	<=33.01	Pass
		2 TX Slots	1880	29.13	0.38	29.51	<=33.01	Pass
		3 TX Slots	1880	27.39	0.38	27.77	<=33.01	Pass
		4 TX Slots	1880	25.30	0.38	25.68	<=33.01	Pass
		1 TX Slot	1909.8	30.22	0.38	30.60	<=33.01	Pass
		2 TX Slots	1909.8	29.25	0.38	29.63	<=33.01	Pass
		3 TX Slots	1909.8	27.62	0.38	28.00	<=33.01	Pass
		4 TX Slots	1909.8	25.65	0.38	26.03	<=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 (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
GPRS	1850.2	20	102	-16.192	-0.0088	-2.5 to 2.5	Pass
			120	-16.237	-0.0088	-2.5 to 2.5	Pass
			138	-15.670	-0.0085	-2.5 to 2.5	Pass
		-30	120	-16.965	-0.0092	-2.5 to 2.5	Pass
		-20	120	-17.438	-0.0094	-2.5 to 2.5	Pass
		-10	120	-16.501	-0.0089	-2.5 to 2.5	Pass
		0	120	-15.806	-0.0085	-2.5 to 2.5	Pass
		10	120	-15.393	-0.0083	-2.5 to 2.5	Pass
		30	120	-17.230	-0.0093	-2.5 to 2.5	Pass
		40	120	-16.492	-0.0089	-2.5 to 2.5	Pass
		50	120	-17.422	-0.0094	-2.5 to 2.5	Pass
	1880	20	102	-21.674	-0.0115	-2.5 to 2.5	Pass
			120	-20.101	-0.0107	-2.5 to 2.5	Pass
			138	-16.978	-0.0090	-2.5 to 2.5	Pass
		-30	120	-17.503	-0.0093	-2.5 to 2.5	Pass
		-20	120	-21.287	-0.0113	-2.5 to 2.5	Pass
		-10	120	-20.092	-0.0107	-2.5 to 2.5	Pass
		0	120	-18.367	-0.0098	-2.5 to 2.5	Pass
		10	120	-20.104	-0.0107	-2.5 to 2.5	Pass
		30	120	-19.071	-0.0101	-2.5 to 2.5	Pass
		40	120	-18.788	-0.0100	-2.5 to 2.5	Pass
		50	120	-20.195	-0.0107	-2.5 to 2.5	Pass
	1909.8	20	102	-20.141	-0.0105	-2.5 to 2.5	Pass
			120	-19.179	-0.0100	-2.5 to 2.5	Pass
			138	-18.426	-0.0096	-2.5 to 2.5	Pass
		-30	120	-18.816	-0.0099	-2.5 to 2.5	Pass
		-20	120	-21.305	-0.0112	-2.5 to 2.5	Pass
		-10	120	-18.064	-0.0095	-2.5 to 2.5	Pass
		0	120	-21.238	-0.0111	-2.5 to 2.5	Pass
		10	120	-20.685	-0.0108	-2.5 to 2.5	Pass
		30	120	-18.876	-0.0099	-2.5 to 2.5	Pass
		40	120	-22.954	-0.0120	-2.5 to 2.5	Pass
		50	120	-19.946	-0.0104	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 PCS1900_OBW

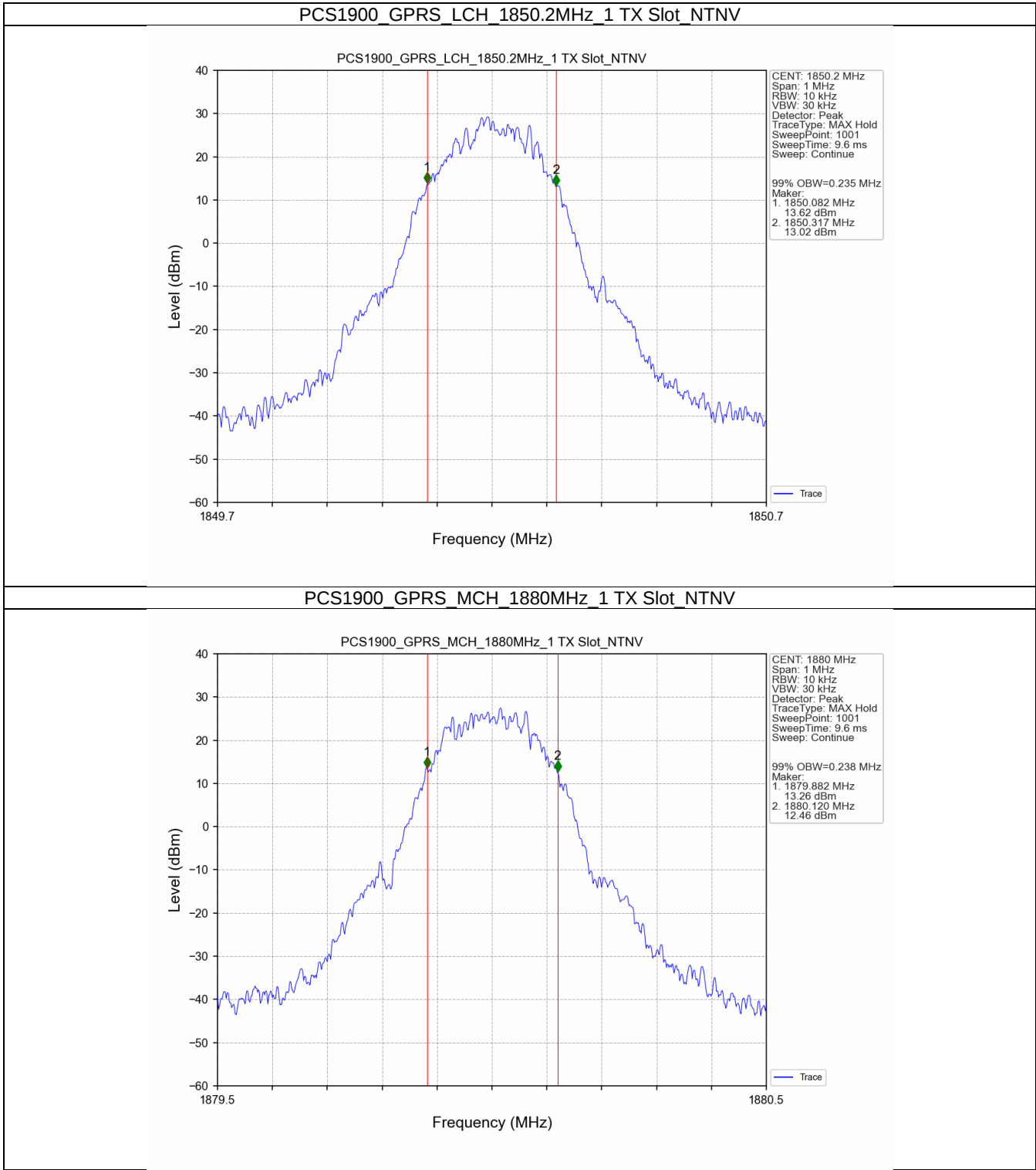
Band: PCS1900						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	1850.2	0.235	/	Pass
			1880	0.238	/	Pass
			1909.8	0.240	/	Pass

3.1.2 PCS1900_XDB

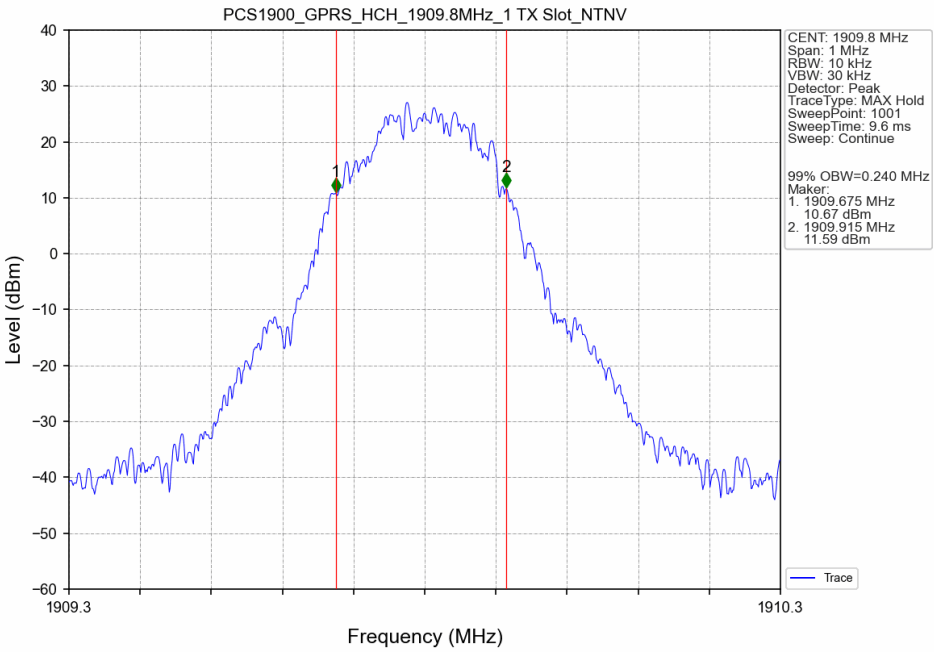
Band: PCS1900						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	1 TX Slot	1850.2	0.294	/	Pass
			1880	0.304	/	Pass
			1909.8	0.302	/	Pass

3.2 Test Graph

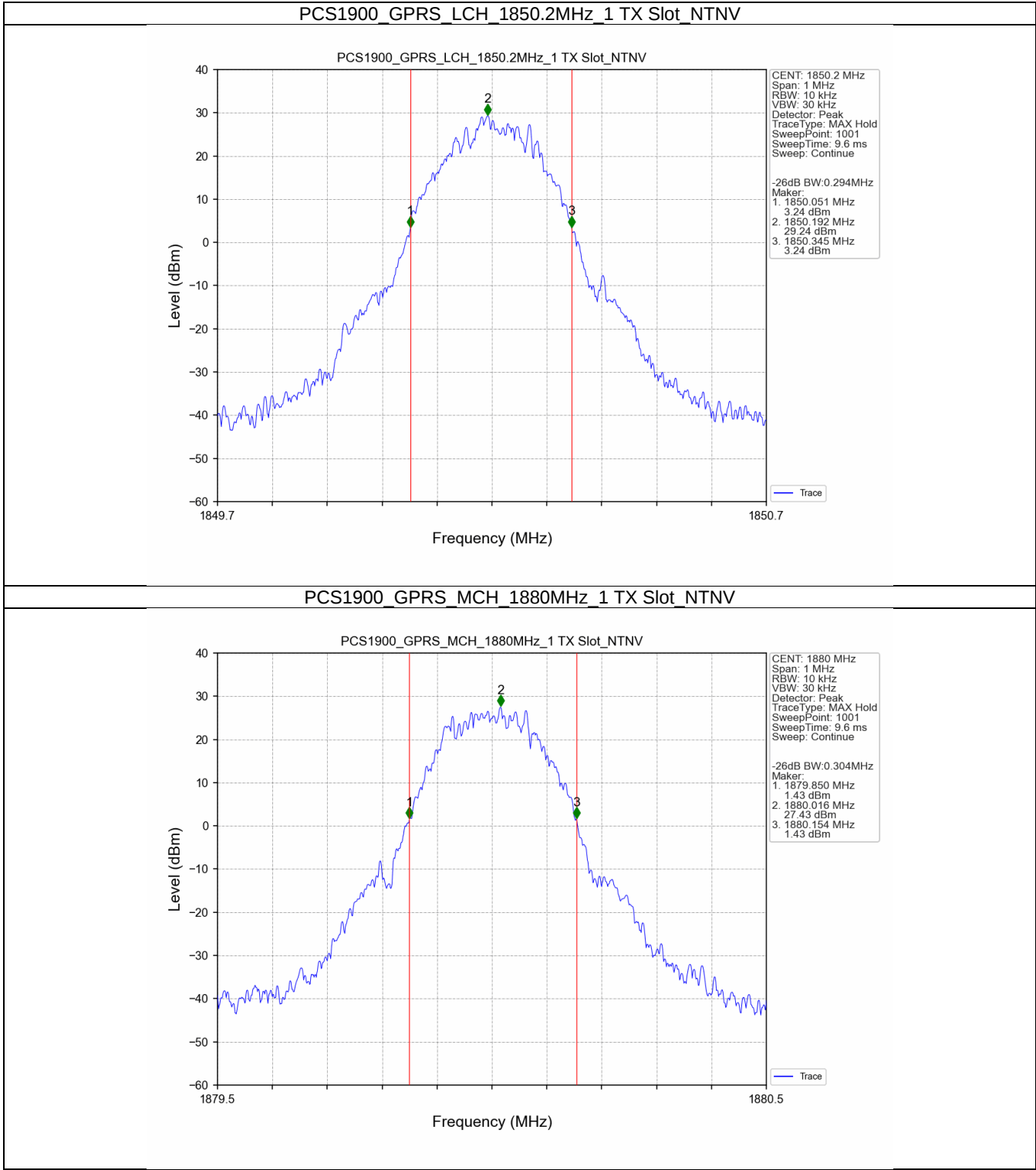
3.2.1 PCS1900_OBW



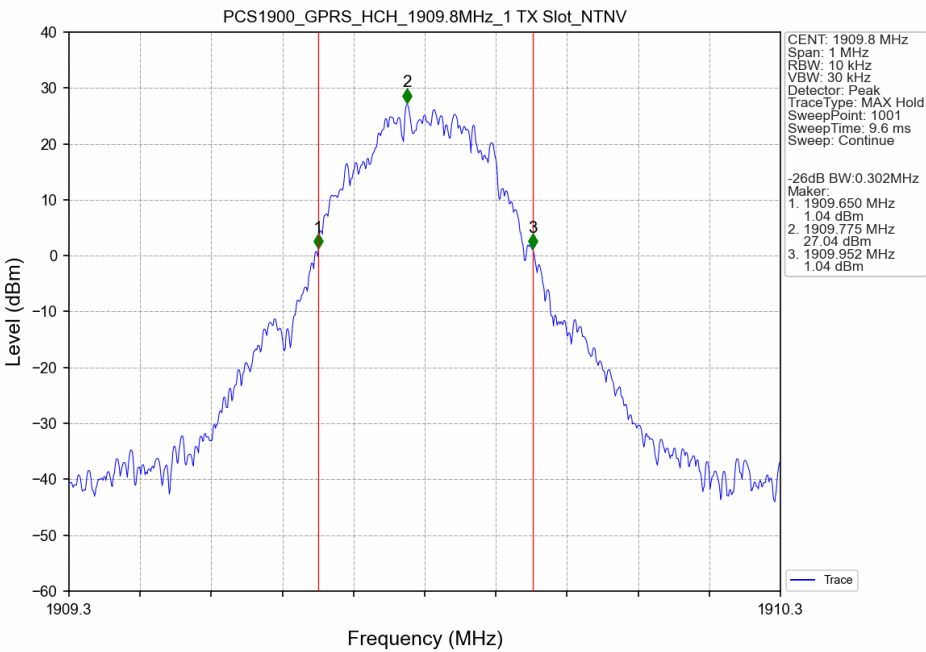
PCS1900 GPRS HCH 1909.8MHz 1 TX Slot NTN



3.2.2 PCS1900_XDB



PCS1900 GPRS HCH 1909.8MHz 1 TX Slot NTN



4. Peak-Average Ratio

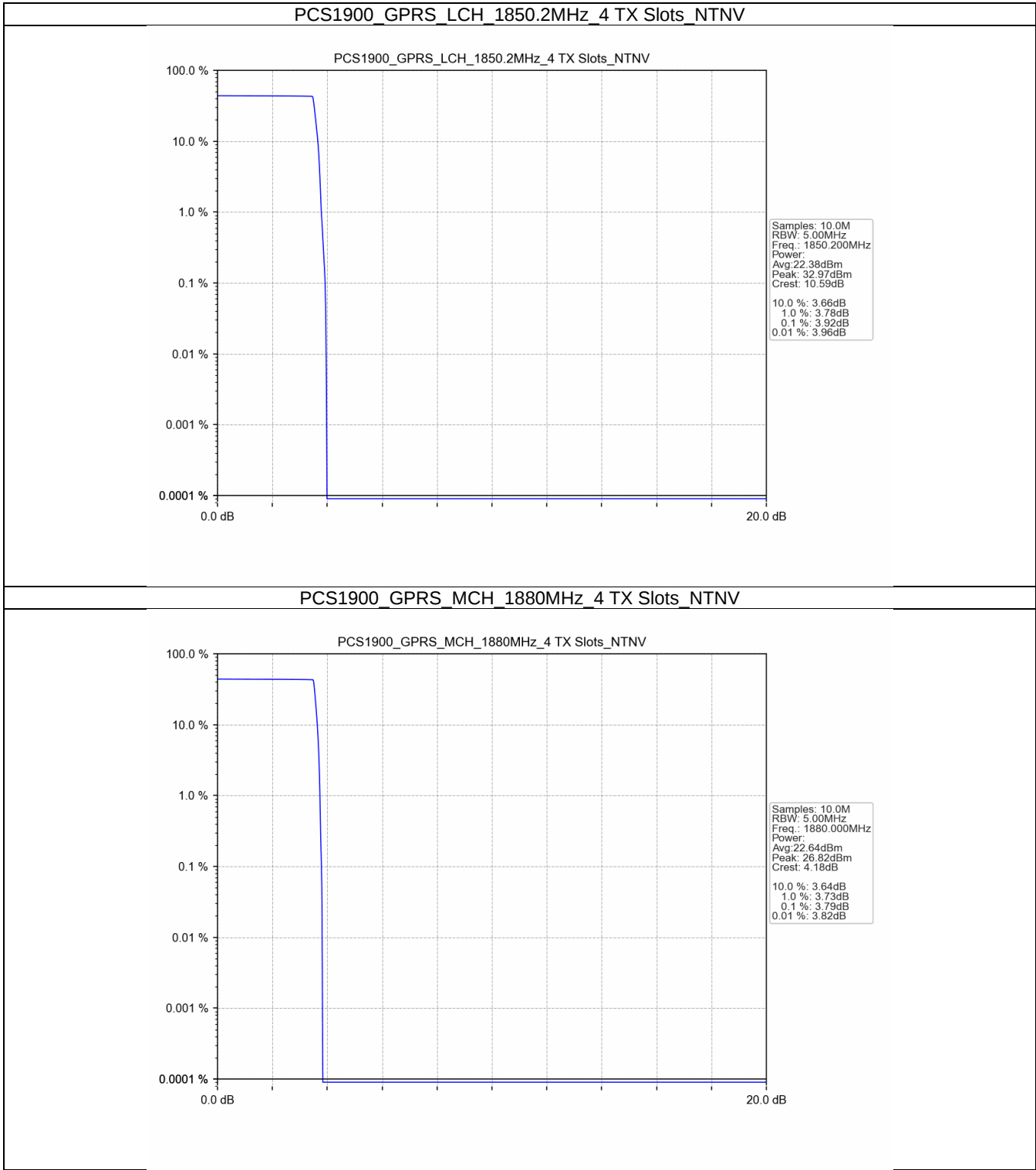
4.1 Test Result

4.1.1 PCS1900

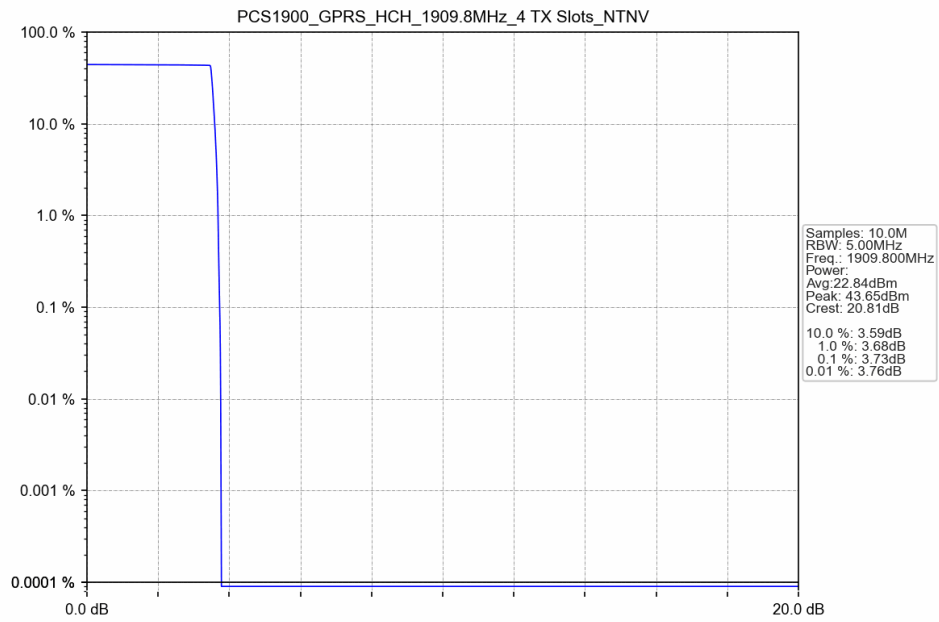
Band: PCS1900						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	4 TX Slots	1850.2	3.92	<=13	Pass
			1880	3.79	<=13	Pass
			1909.8	3.73	<=13	Pass

4.2 Test Graph

4.2.1 PCS1900



PCS1900 GPRS HCH 1909.8MHz 4 TX Slots_NTNV



5. Spurious Emission

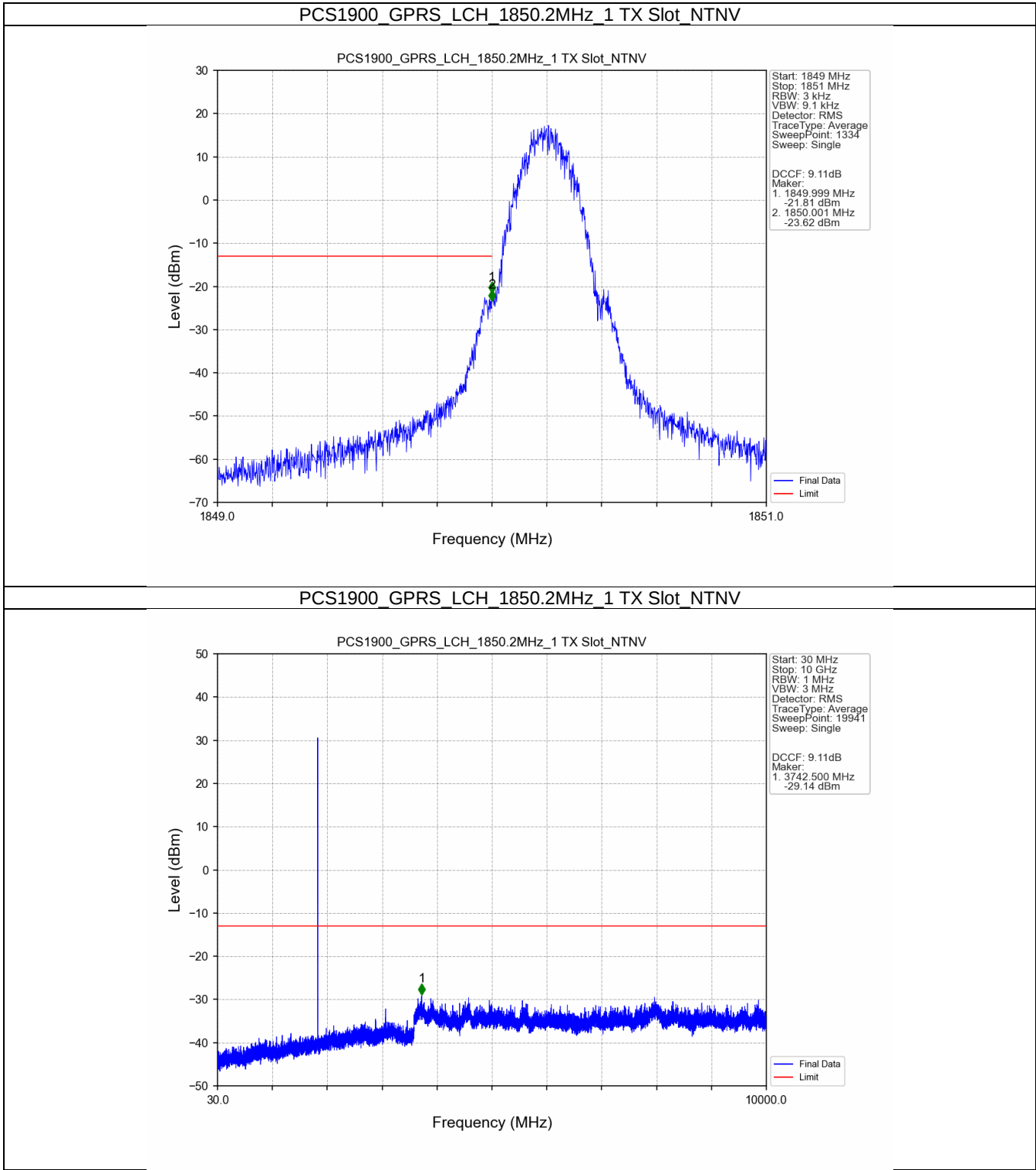
5.1 Test Result

5.1.1 PCS1900

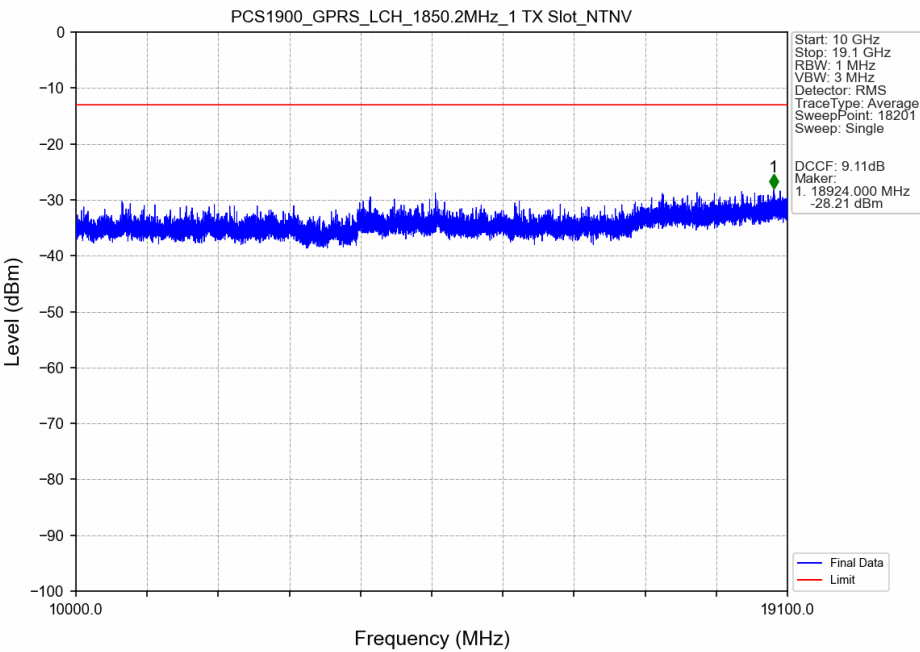
Band: PCS1900					
ENV	Mode		Frequency (MHz)	Spurious Emission	
	Network	Subset		Result	Limit
NTNV	GPRS	1 TX Slot	1850.2	Refer To Test Graph	Pass
			1880	Refer To Test Graph	Pass
			1909.8	Refer To Test Graph	Pass

5.2 Test Graph

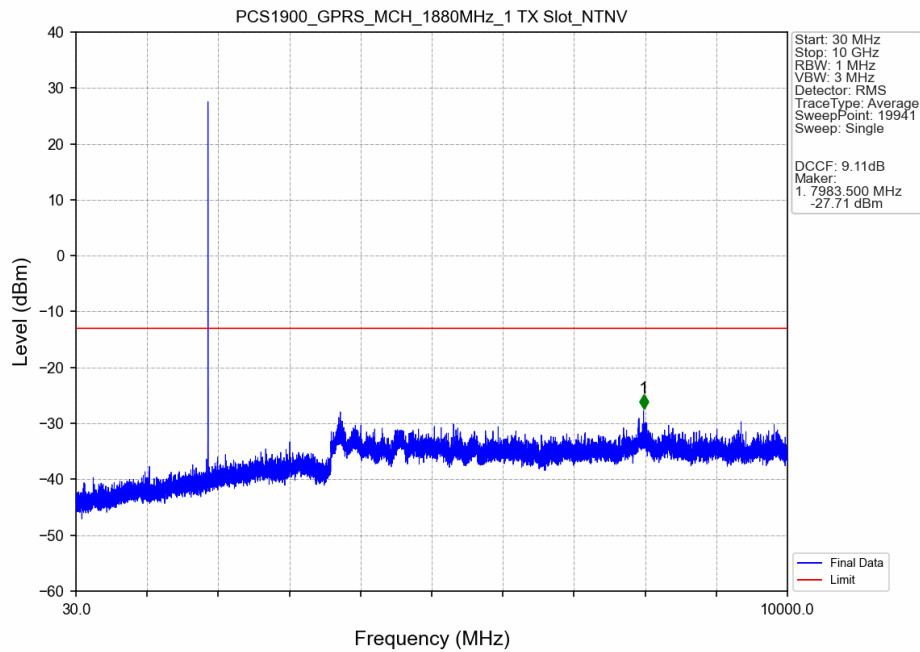
5.2.1 PCS1900



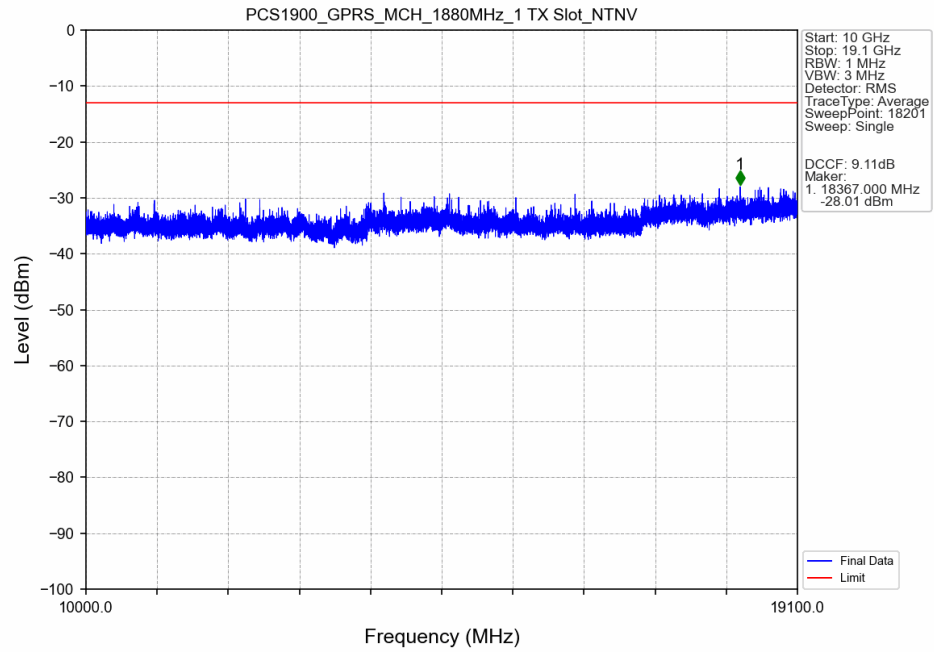
PCS1900_GPRS_LCH_1850.2MHz_1 TX Slot_NTNV



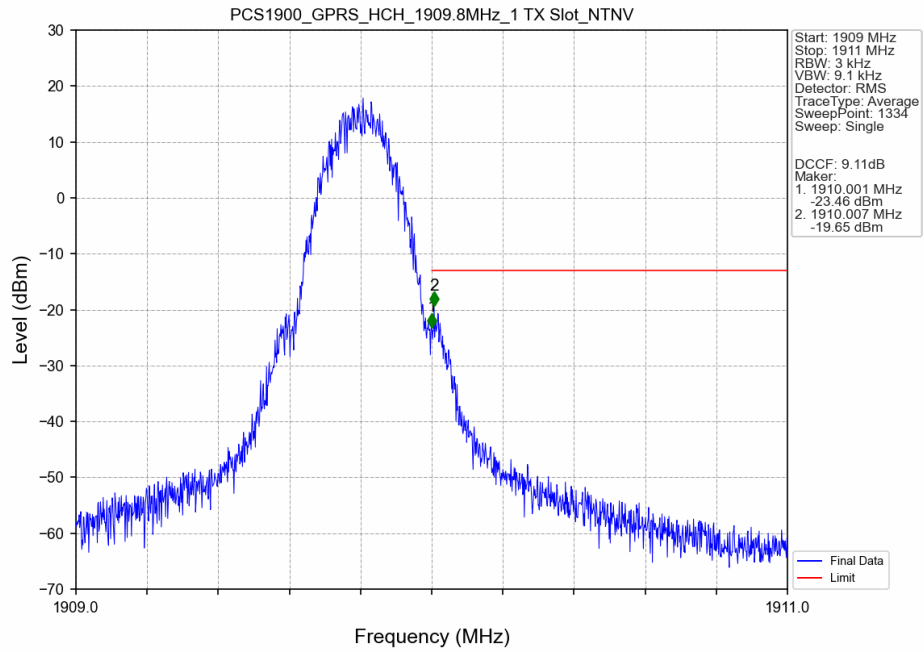
PCS1900_GPRS_MCH_1880MHz_1 TX Slot_NTNV



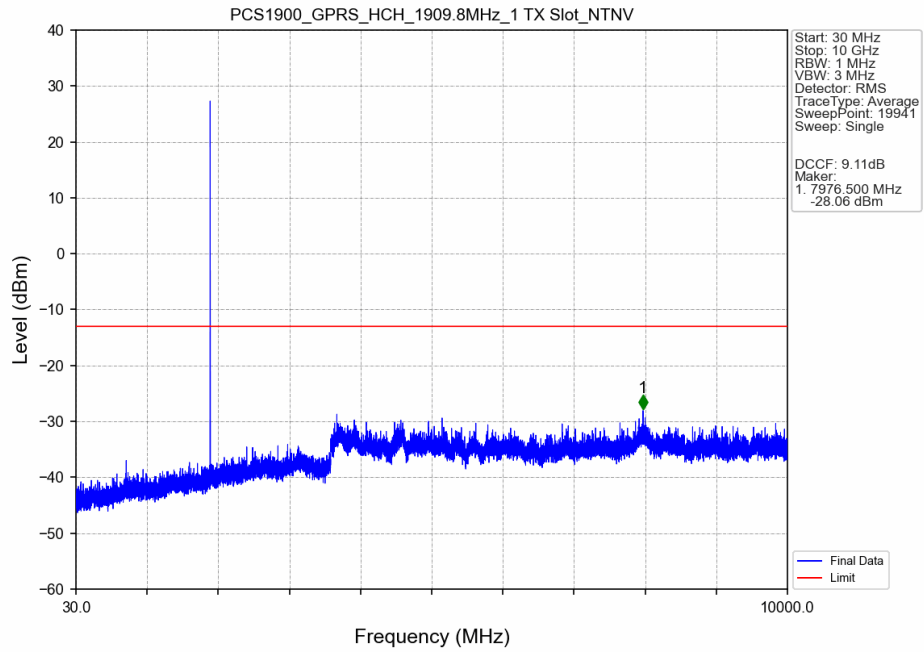
PCS1900 GPRS MCH 1880MHz 1 TX Slot NTNV



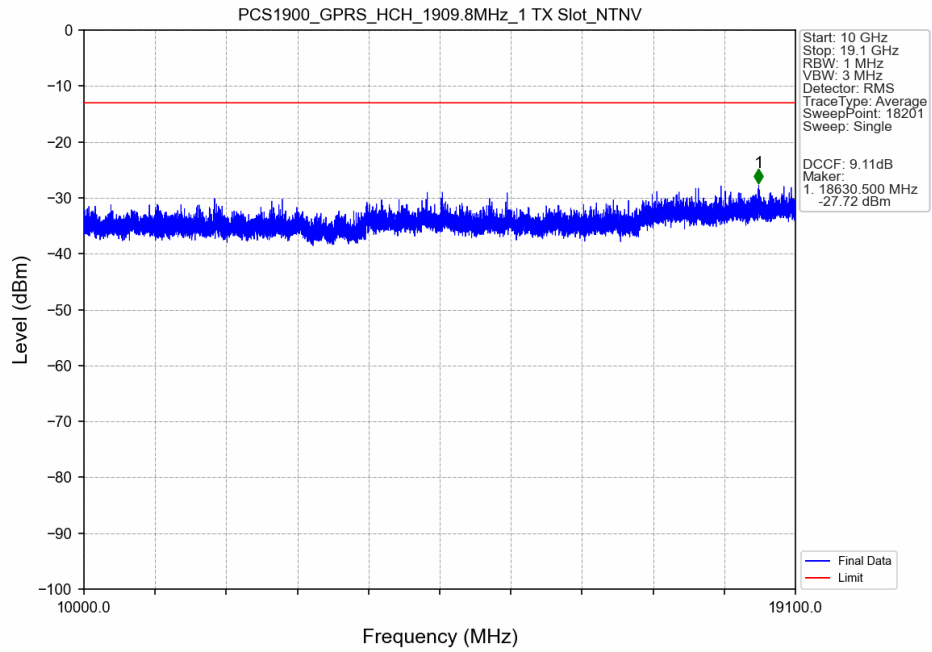
PCS1900 GPRS HCH 1909.8MHz 1 TX Slot NTNV



PCS1900 GPRS HCH 1909.8MHz 1 TX Slot NTNV



PCS1900 GPRS HCH 1909.8MHz 1 TX Slot NTNV



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