

1. Effective (Isotropic) Radiated Power Output Data

1.1 PCS1900_EIRP

1.1.1 Test Result

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	18.95	3.50	22.45	<=33.01	Pass
		2 TX Slots	1850.2	18.90	3.50	22.40	<=33.01	Pass
		3 TX Slots	1850.2	18.72	3.50	22.22	<=33.01	Pass
		4 TX Slots	1850.2	18.57	3.50	22.07	<=33.01	Pass
		1 TX Slot	1880	18.67	3.50	22.17	<=33.01	Pass
		2 TX Slots	1880	18.66	3.50	22.16	<=33.01	Pass
		3 TX Slots	1880	18.55	3.50	22.05	<=33.01	Pass
		4 TX Slots	1880	18.42	3.50	21.92	<=33.01	Pass
		1 TX Slot	1909.8	18.36	3.50	21.86	<=33.01	Pass
		2 TX Slots	1909.8	18.35	3.50	21.85	<=33.01	Pass
		3 TX Slots	1909.8	18.24	3.50	21.74	<=33.01	Pass
		4 TX Slots	1909.8	18.12	3.50	21.62	<=33.01	Pass
	EGPRS	1 TX Slot	1850.2	25.80	3.50	29.30	<=33.01	Pass
		2 TX Slots	1850.2	24.55	3.50	28.05	<=33.01	Pass
		3 TX Slots	1850.2	21.06	3.50	24.56	<=33.01	Pass
		4 TX Slots	1850.2	20.70	3.50	24.20	<=33.01	Pass
		1 TX Slot	1880	25.46	3.50	28.96	<=33.01	Pass
		2 TX Slots	1880	24.37	3.50	27.87	<=33.01	Pass
		3 TX Slots	1880	20.93	3.50	26.6	<=33.01	Pass
		4 TX Slots	1880	20.65	3.50	24.15	<=33.01	Pass
		1 TX Slot	1909.8	25.53	3.50	29.03	<=33.01	Pass
		2 TX Slots	1909.8	25.17	3.50	28.67	<=33.01	Pass
		3 TX Slots	1909.8	20.87	3.50	24.37	<=33.01	Pass
		4 TX Slots	1909.8	20.51	3.50	24.01	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 PCS1900

2.1.1 Test Result

Band: PCS1900							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
GPRS	1850.2	20	5.4	15.27	0.01	-2.5 to 2.5	Pass
			6.0	13.66	0.01	-2.5 to 2.5	Pass
			6.6	8.27	0.00	-2.5 to 2.5	Pass
		-30	6.0	20.41	0.01	-2.5 to 2.5	Pass
		-20	6.0	20.02	0.01	-2.5 to 2.5	Pass
		-10	6.0	19.89	0.01	-2.5 to 2.5	Pass
		0	6.0	22.50	0.01	-2.5 to 2.5	Pass
		10	6.0	20.86	0.01	-2.5 to 2.5	Pass
		30	6.0	22.34	0.01	-2.5 to 2.5	Pass

		40	6.0	25.05	0.01	-2.5 to 2.5	Pass
		50	6.0	29.22	0.02	-2.5 to 2.5	Pass
	1880	20	5.4	15.92	0.01	-2.5 to 2.5	Pass
			6.0	6.46	0.00	-2.5 to 2.5	Pass
			6.6	11.72	0.01	-2.5 to 2.5	Pass
		-30	6.0	-3.52	-0.00	-2.5 to 2.5	Pass
		-20	6.0	7.13	0.00	-2.5 to 2.5	Pass
		-10	6.0	-0.84	-0.00	-2.5 to 2.5	Pass
		0	6.0	11.59	0.01	-2.5 to 2.5	Pass
		10	6.0	5.33	0.00	-2.5 to 2.5	Pass
		30	6.0	17.76	0.01	-2.5 to 2.5	Pass
		40	6.0	11.85	0.01	-2.5 to 2.5	Pass
	50	6.0	2.84	0.00	-2.5 to 2.5	Pass	
	1909.8	20	5.4	1.26	0.00	-2.5 to 2.5	Pass
			6.0	15.79	0.01	-2.5 to 2.5	Pass
			6.6	9.11	0.00	-2.5 to 2.5	Pass
		-30	6.0	24.96	0.01	-2.5 to 2.5	Pass
		-20	6.0	21.86	0.01	-2.5 to 2.5	Pass
		-10	6.0	16.89	0.01	-2.5 to 2.5	Pass
		0	6.0	13.46	0.01	-2.5 to 2.5	Pass
10		6.0	15.27	0.01	-2.5 to 2.5	Pass	
30		6.0	23.18	0.01	-2.5 to 2.5	Pass	
40		6.0	21.02	0.01	-2.5 to 2.5	Pass	
50	6.0	20.82	0.01	-2.5 to 2.5	Pass		
EGPRS	1850.2	20	5.4	26.60	0.01	-2.5 to 2.5	Pass
			6.0	13.46	0.01	-2.5 to 2.5	Pass
			6.6	21.89	0.01	-2.5 to 2.5	Pass
		-30	6.0	17.76	0.01	-2.5 to 2.5	Pass
		-20	6.0	19.95	0.01	-2.5 to 2.5	Pass
		-10	6.0	22.37	0.01	-2.5 to 2.5	Pass
		0	6.0	31.16	0.02	-2.5 to 2.5	Pass
		10	6.0	26.86	0.01	-2.5 to 2.5	Pass
		30	6.0	25.57	0.01	-2.5 to 2.5	Pass
		40	6.0	21.73	0.01	-2.5 to 2.5	Pass
	50	6.0	22.25	0.01	-2.5 to 2.5	Pass	
	1880	20	5.4	25.57	0.01	-2.5 to 2.5	Pass
			6.0	9.98	0.01	-2.5 to 2.5	Pass
			6.6	13.24	0.01	-2.5 to 2.5	Pass
		-30	6.0	15.27	0.01	-2.5 to 2.5	Pass
		-20	6.0	13.69	0.01	-2.5 to 2.5	Pass
		-10	6.0	17.85	0.01	-2.5 to 2.5	Pass
		0	6.0	2.42	0.00	-2.5 to 2.5	Pass
		10	6.0	6.23	0.00	-2.5 to 2.5	Pass
		30	6.0	11.14	0.01	-2.5 to 2.5	Pass
40		6.0	23.44	0.01	-2.5 to 2.5	Pass	
50	6.0	7.72	0.00	-2.5 to 2.5	Pass		
1909.8	20	5.4	15.95	0.01	-2.5 to 2.5	Pass	
		6.0	24.96	0.01	-2.5 to 2.5	Pass	
		6.6	9.78	0.01	-2.5 to 2.5	Pass	
	-30	6.0	18.76	0.01	-2.5 to 2.5	Pass	
	-20	6.0	22.21	0.01	-2.5 to 2.5	Pass	
	-10	6.0	26.02	0.01	-2.5 to 2.5	Pass	
	0	6.0	12.11	0.01	-2.5 to 2.5	Pass	
	10	6.0	16.43	0.01	-2.5 to 2.5	Pass	
	30	6.0	21.86	0.01	-2.5 to 2.5	Pass	
	40	6.0	25.76	0.01	-2.5 to 2.5	Pass	
50	6.0	15.88	0.01	-2.5 to 2.5	Pass		

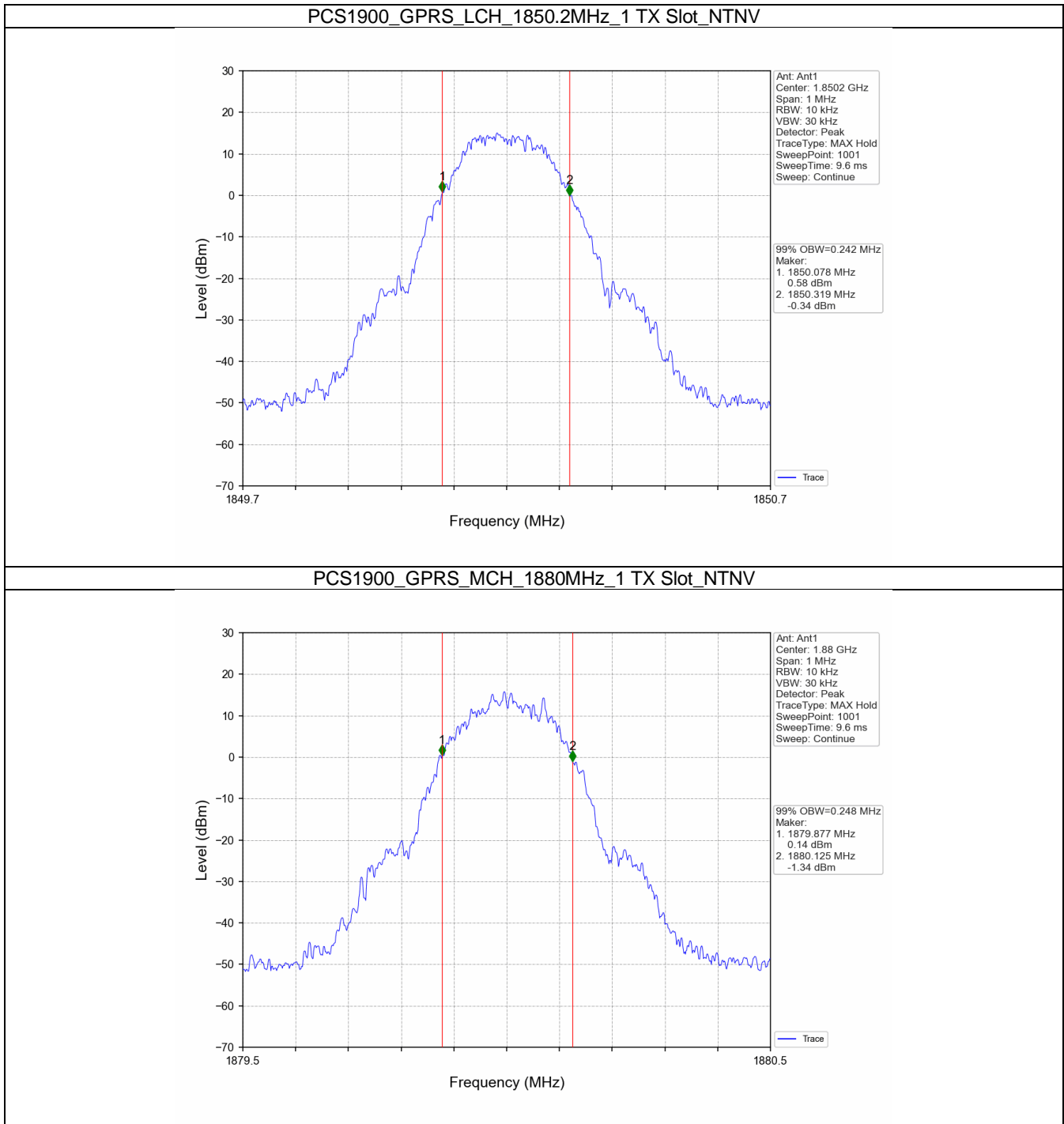
3. 99% & 26dB Bandwidth

3.1 PCS1900_OBW

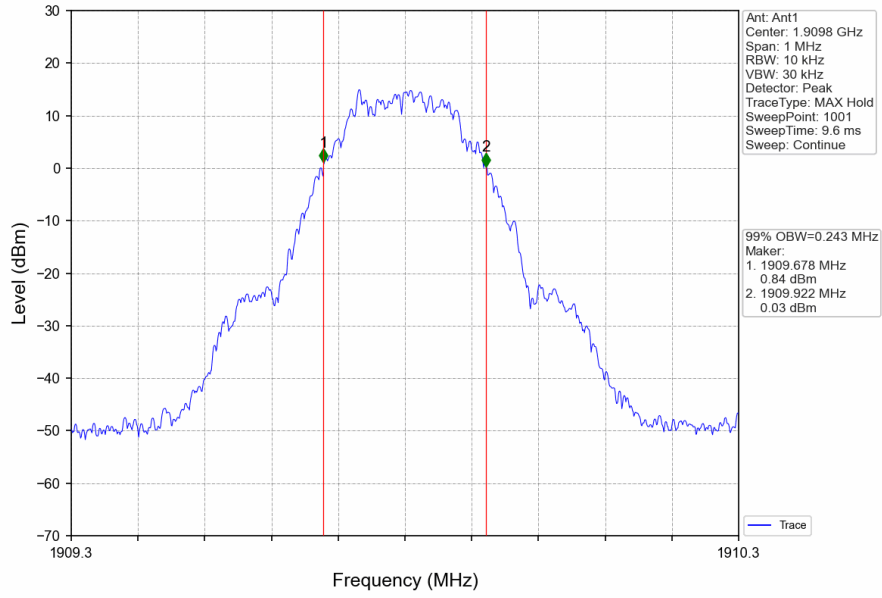
3.1.1 Test Result

Band: PCS1900						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result		
NTNV	GPRS	1 TX Slot	1850.2	0.242	Pass	
			1880	0.248	Pass	
			1909.8	0.243	Pass	
	EGPRS	1 TX Slot	1850.2	0.253	Pass	
			1880	0.247	Pass	
			1909.8	0.251	Pass	

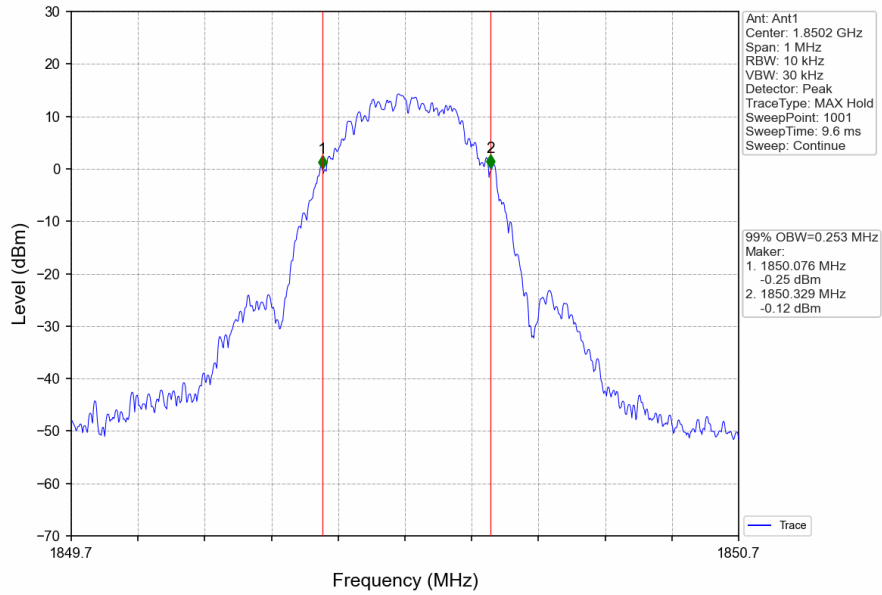
3.1.2 Test Graph



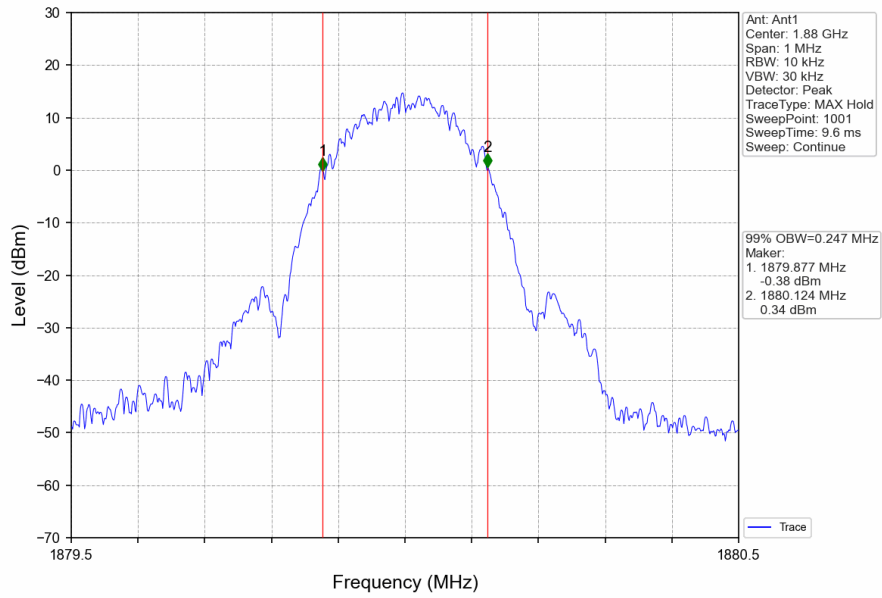
PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



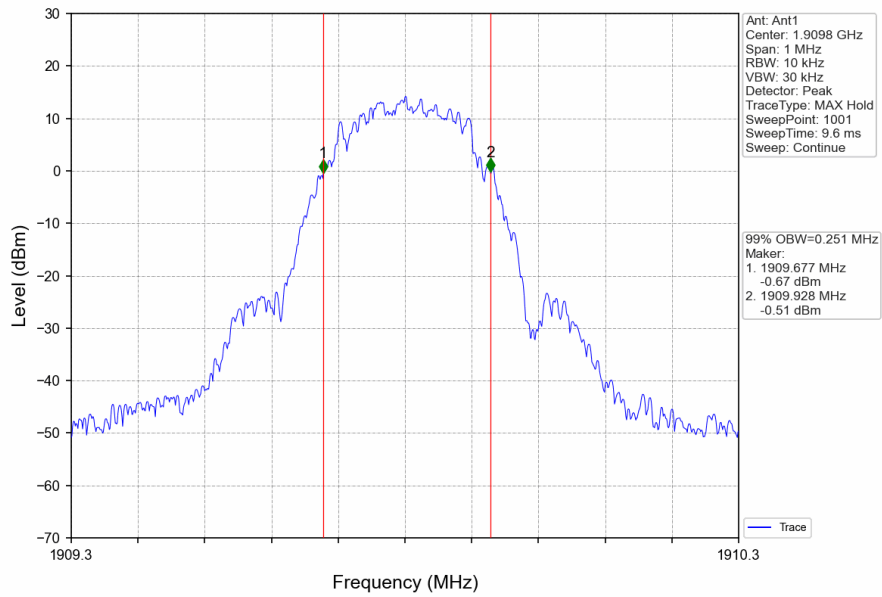
PCS1900_EGPRS_LCH_1850.2MHz_1 TX Slot_NTNV



PCS1900_EGPRS_MCH_1880MHz_1 TX Slot_NTNV



PCS1900_EGPRS_HCH_1909.8MHz_1 TX Slot_NTNV

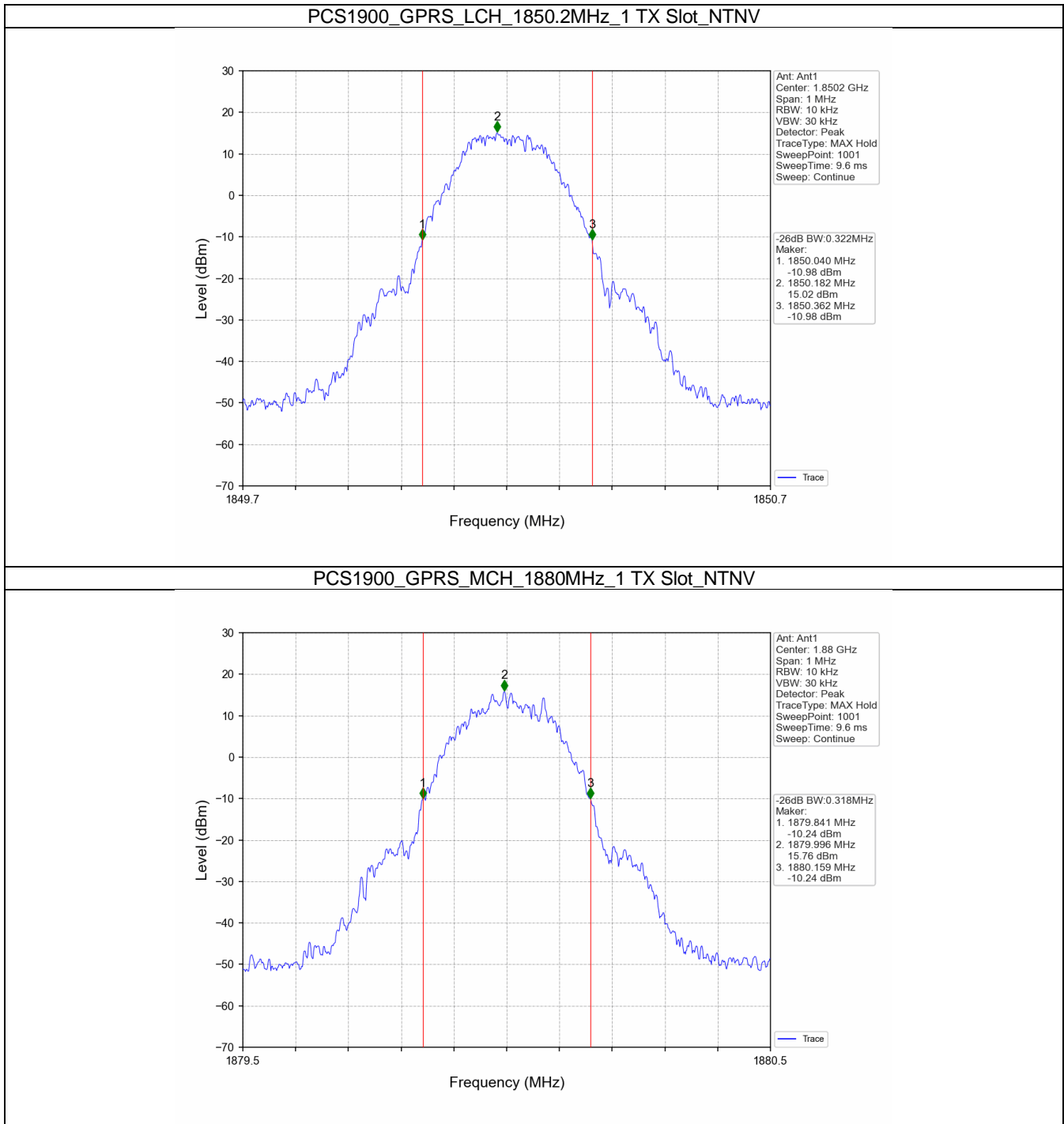


3.2 PCS1900_XDB

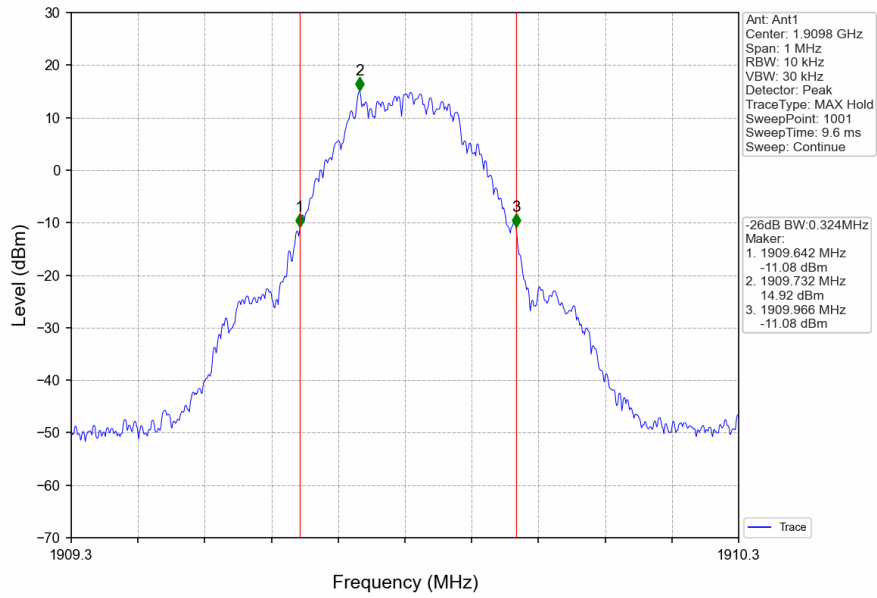
3.2.1 Test Result

Band: PCS1900					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	GPRS	1 TX Slot	1850.2	0.322	Pass
			1880	0.318	Pass
			1909.8	0.324	Pass
	EGPRS	1 TX Slot	1850.2	0.321	Pass
			1880	0.309	Pass
			1909.8	0.322	Pass

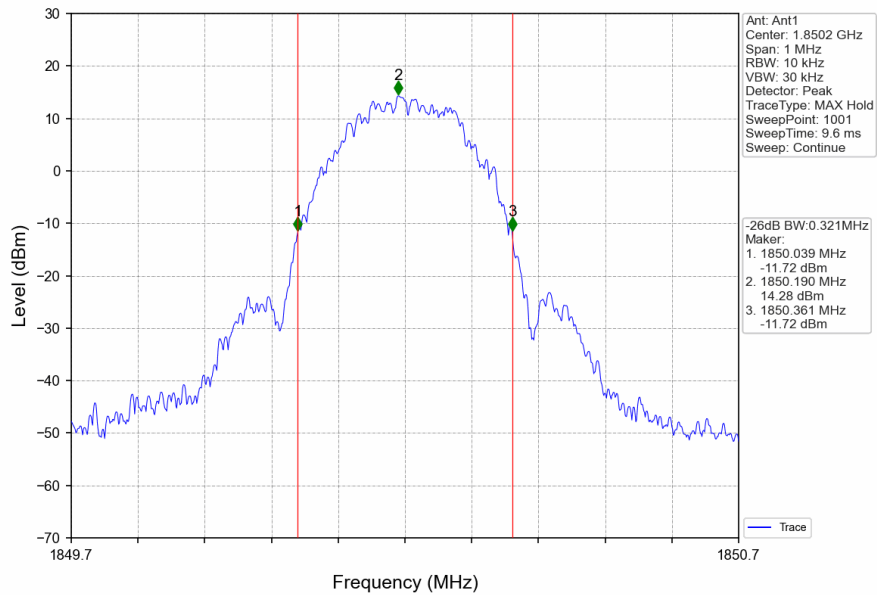
3.2.2 Test Graph



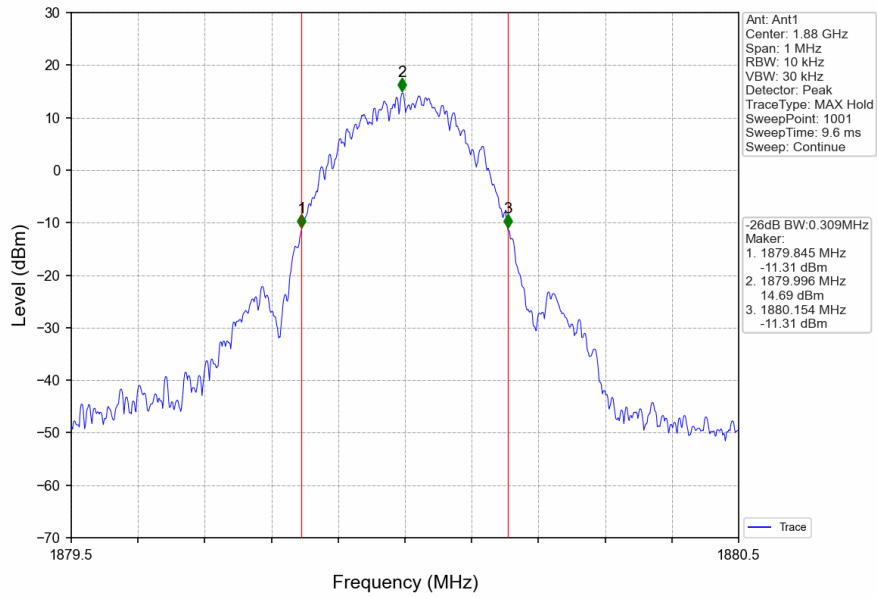
PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



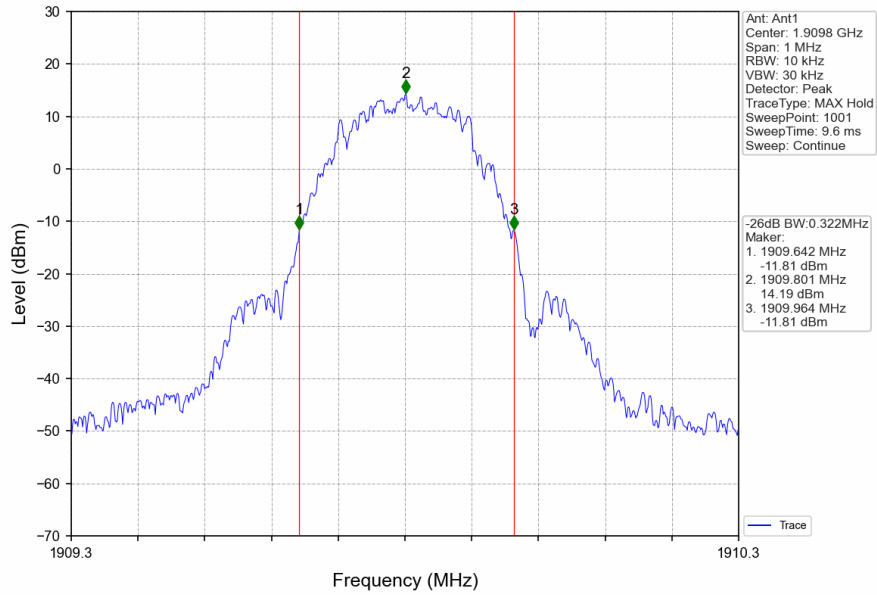
PCS1900_EGPRS_LCH_1850.2MHz_1 TX Slot_NTNV



PCS1900_EGPRS_MCH_1880MHz_1 TX Slot_NTNV



PCS1900_EGPRS_HCH_1909.8MHz_1 TX Slot_NTNV



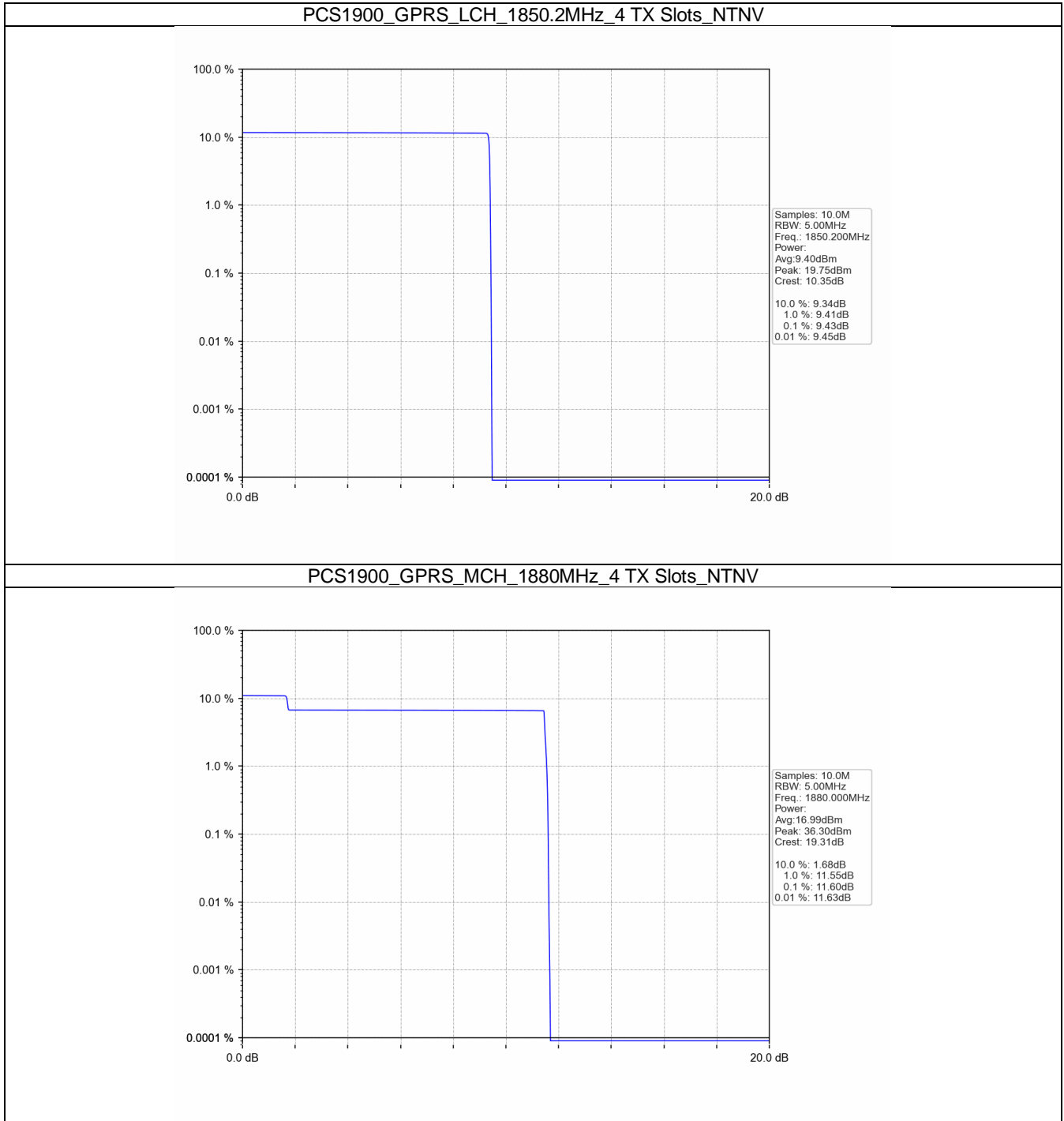
4. Peak-Average Ratio

4.1 PCS1900

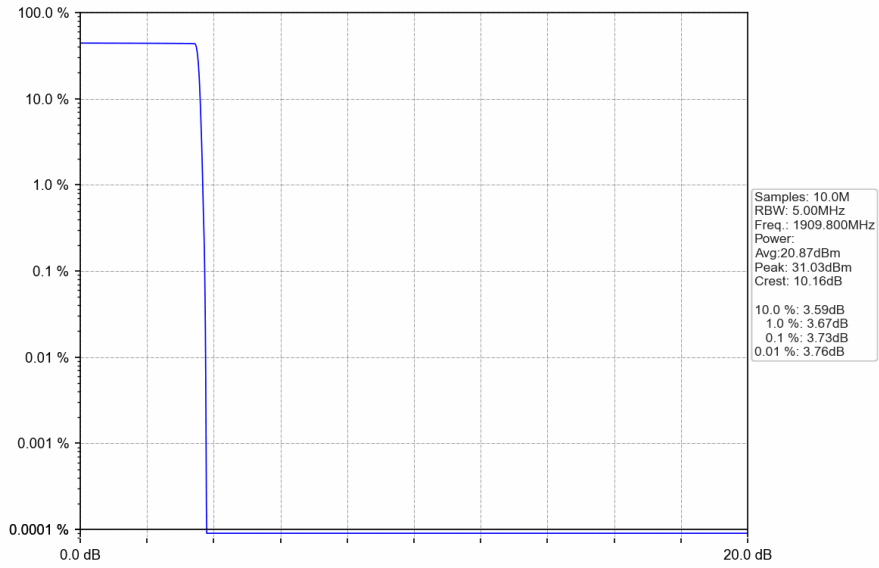
4.1.1 Test Result

Band: PCS1900						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GPRS	4 TX Slots	1850.2	9.43	<=13	Pass
			1880	11.60	<=13	Pass
			1909.8	3.73	<=13	Pass
	EGPRS	4 TX Slots	1850.2	9.48	<=13	Pass
			1880	9.64	<=13	Pass
			1909.8	9.63	<=13	Pass

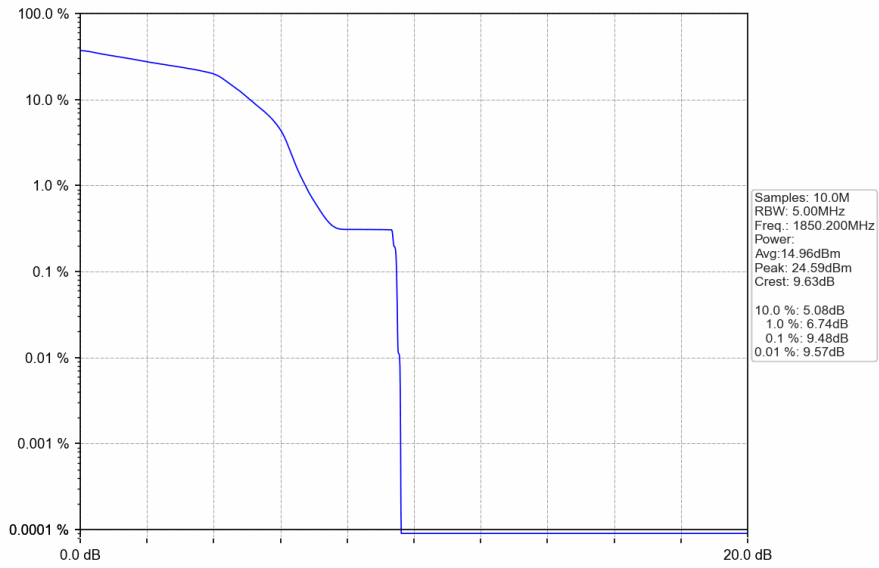
4.1.2 Test Graph



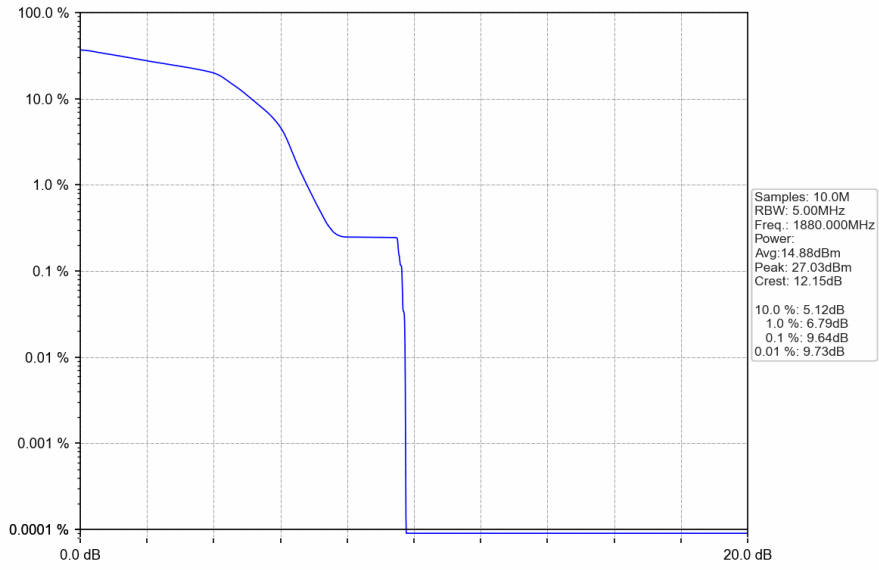
PCS1900_GPRS_HCH_1909.8MHz_4 TX Slots_NTNV



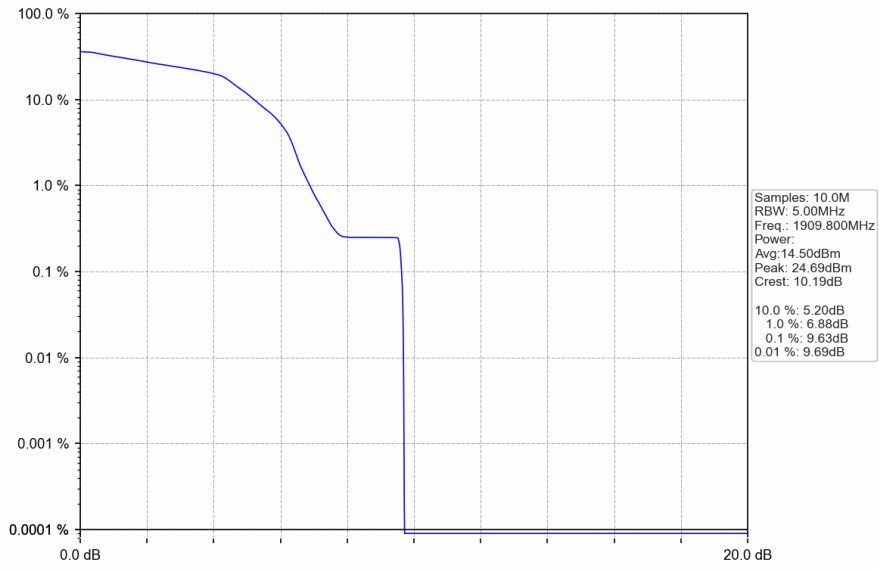
PCS1900_EGPRS_LCH_1850.2MHz_4 TX Slots_NTNV



PCS1900_EGPRS_MCH_1880MHz_4 TX Slots_NTNV



PCS1900_EGPRS_HCH_1909.8MHz_4 TX Slots_NTNV



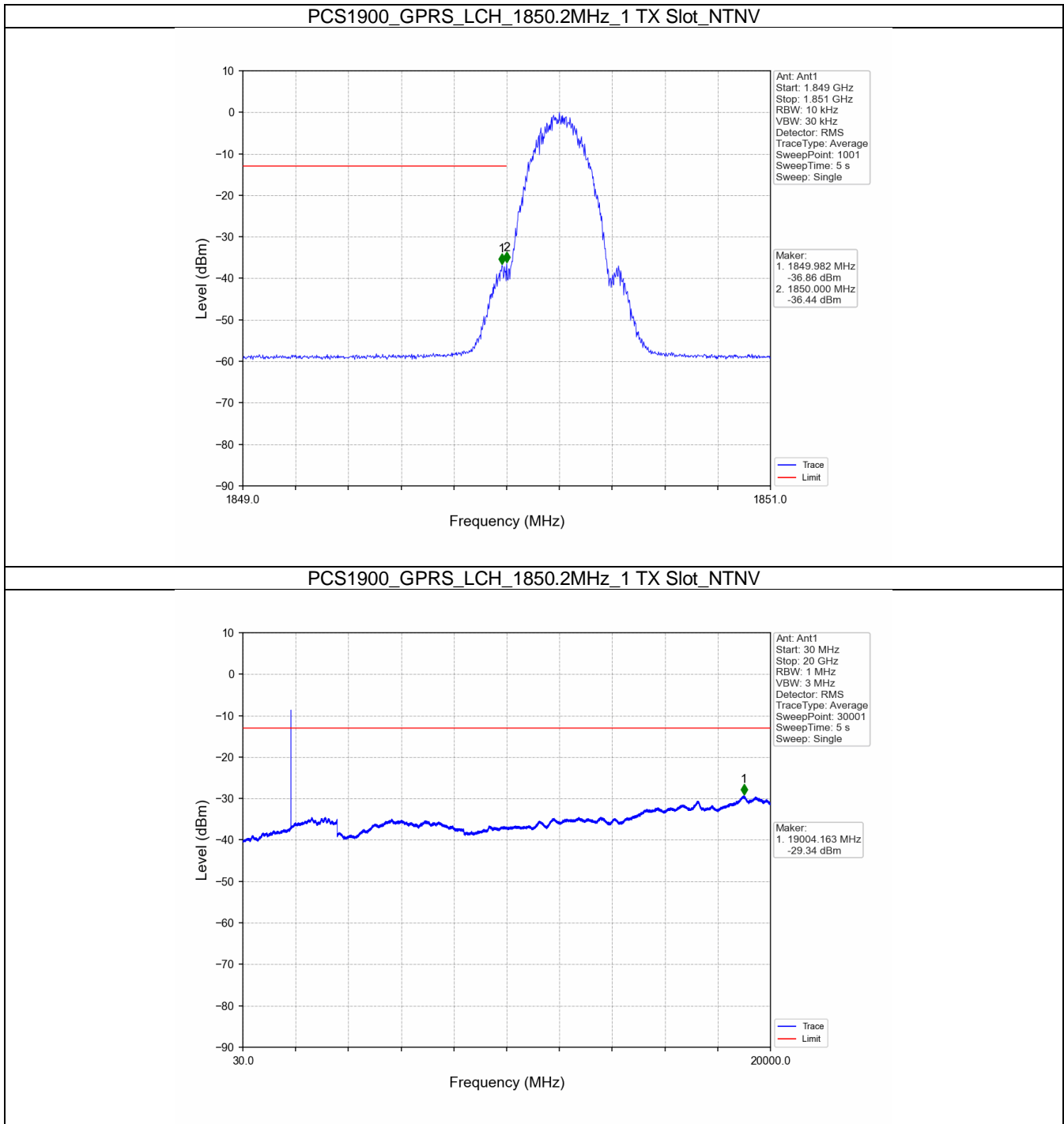
5. Spurious Emission

5.1 PCS1900

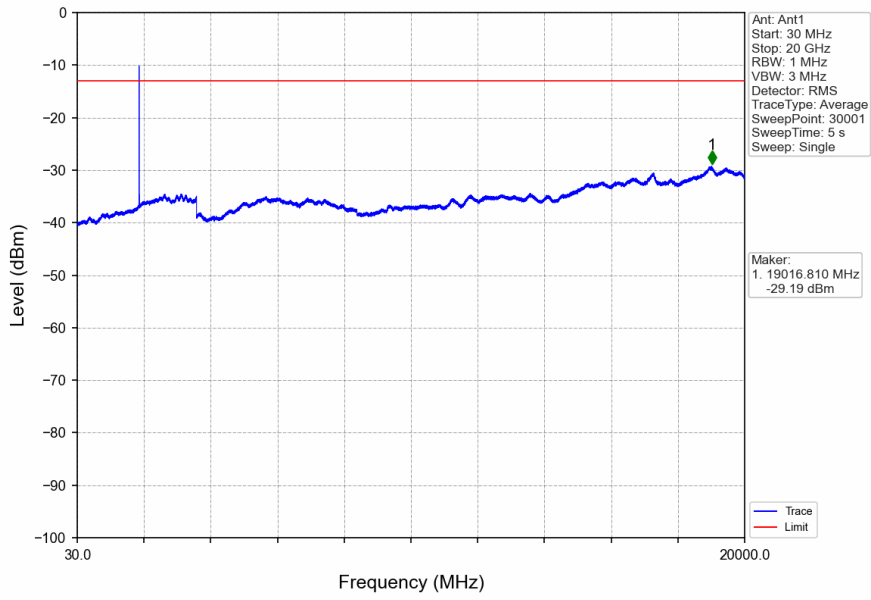
5.1.1 Test Result

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	

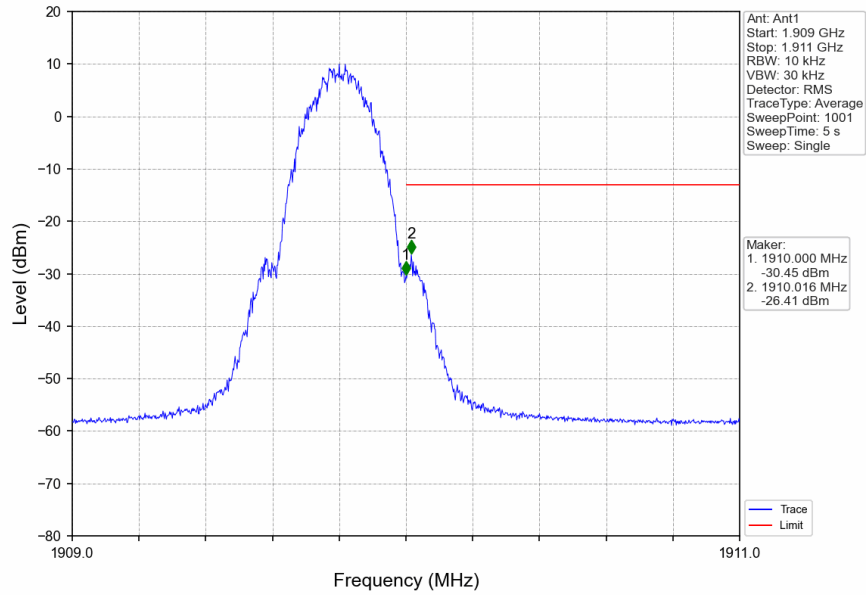
5.1.2 Test Graph



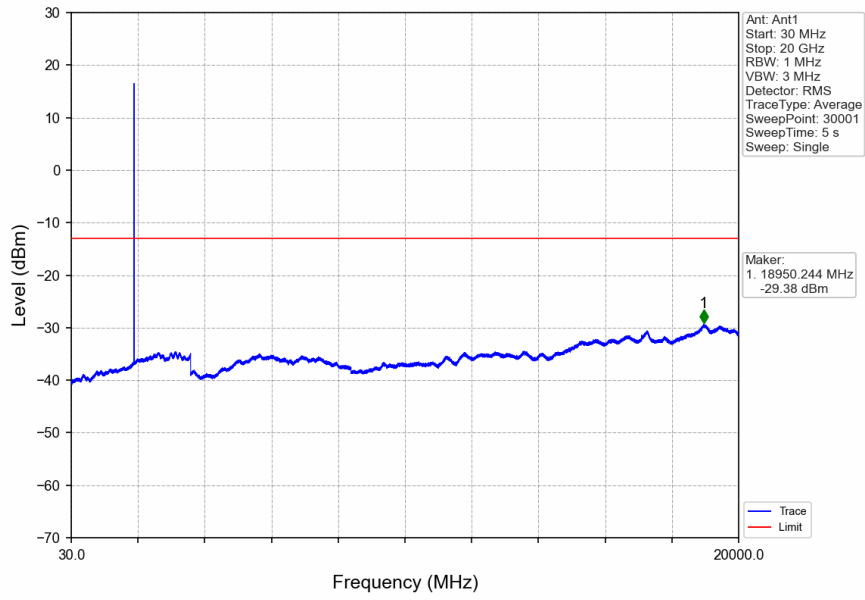
PCS1900_GPRS_MCH_1880MHz_1 TX Slot_NTNV



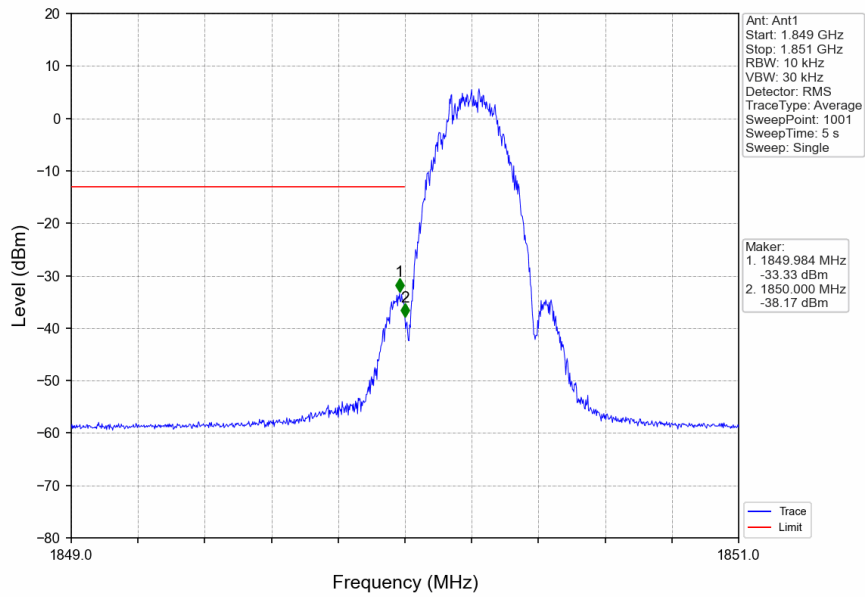
PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



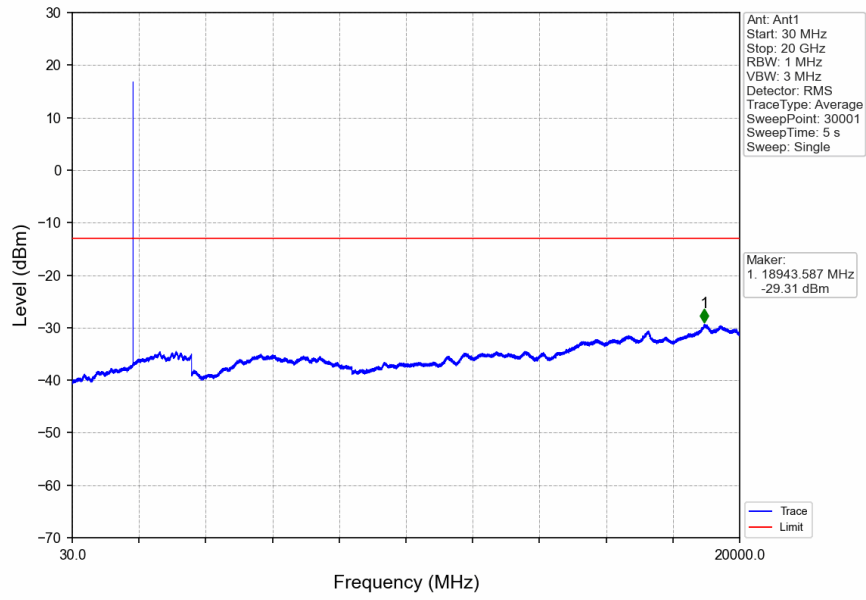
PCS1900_GPRS_HCH_1909.8MHz_1 TX Slot_NTNV



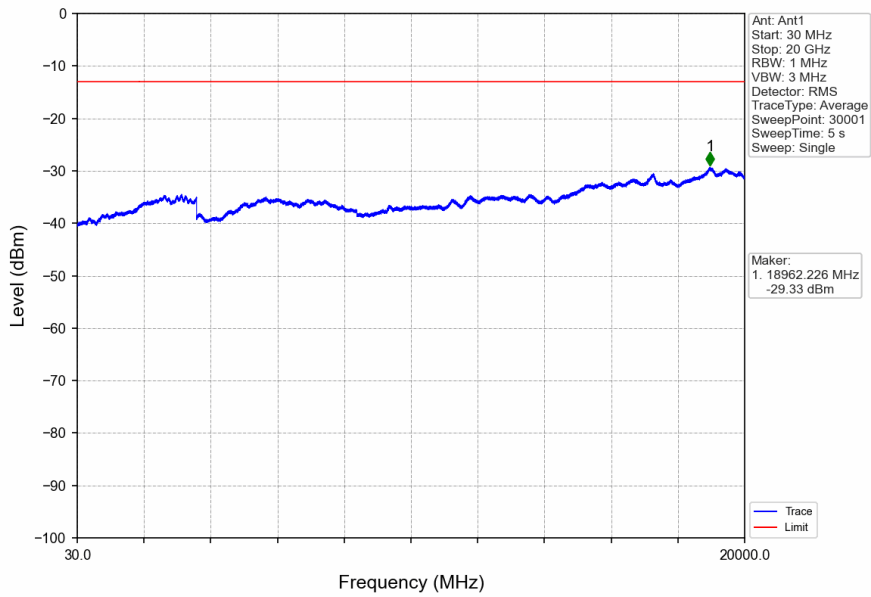
PCS1900_EGPRS_LCH_1850.2MHz_1 TX Slot_NTNV



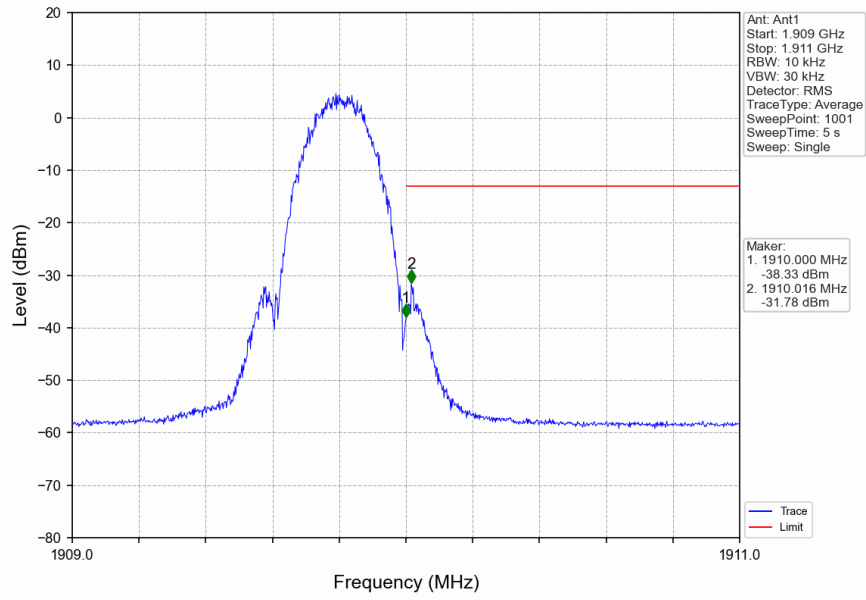
PCS1900_EGPRS_LCH_1850.2MHz_1 TX Slot_NTNV



PCS1900_EGPRS_MCH_1880MHz_1 TX Slot_NTNV



PCS1900_EGPRS_HCH_1909.8MHz_1 TX Slot_NTNV



PCS1900_EGPRS_HCH_1909.8MHz_1 TX Slot_NTNV

