

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	GSM	GSM	1850.2	26.19	0.50	26.69	<=33.01	Pass
			1880	27.18	0.50	27.68	<=33.01	Pass
			1909.8	26.97	0.50	27.47	<=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		
GSM	1850.2	20	3.27	6.845	0.0037	-2.5 to 2.5	Pass	
			3.85	1.453	0.0008	-2.5 to 2.5	Pass	
			4.43	1.227	0.0007	-2.5 to 2.5	Pass	
		-30	3.85	0.161	0.0001	-2.5 to 2.5	Pass	
			-20	3.85	2.454	0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.229	-0.0017	-2.5 to 2.5
		0	3.85	3.907	0.0021	-2.5 to 2.5	Pass	
			10	3.85	0.452	0.0002	-2.5 to 2.5	Pass
				30	3.85	-7.103	-0.0038	-2.5 to 2.5
		40	3.85	-2.034	-0.0011	-2.5 to 2.5	Pass	
			50	3.85	5.392	0.0029	-2.5 to 2.5	Pass
				3.27	-3.325	-0.0018	-2.5 to 2.5	Pass
		1880	20	3.85	-8.943	-0.0048	-2.5 to 2.5	Pass
				4.43	-9.653	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-3.842	-0.0020	-2.5 to 2.5
	-20		3.85		-3.616	-0.0019	-2.5 to 2.5	Pass
			-10		3.85	-0.646	-0.0003	-2.5 to 2.5
	0		3.85	-7.619	-0.0041	-2.5 to 2.5	Pass	
			10	3.85	2.066	0.0011	-2.5 to 2.5	Pass
				30	3.85	3.810	0.0020	-2.5 to 2.5
	40		3.85	1.647	0.0009	-2.5 to 2.5	Pass	
			50	3.85	3.745	0.0020	-2.5 to 2.5	Pass
				3.27	4.972	0.0026	-2.5 to 2.5	Pass
	1909.8		20	3.85	12.043	0.0063	-2.5 to 2.5	Pass
				4.43	6.909	0.0036	-2.5 to 2.5	Pass
				-30	3.85	12.947	0.0068	-2.5 to 2.5
			-20		3.85	3.939	0.0021	-2.5 to 2.5

		-10	3.85	11.042	0.0058	-2.5 to 2.5	Pass
		0	3.85	3.293	0.0017	-2.5 to 2.5	Pass
		10	3.85	-0.517	-0.0003	-2.5 to 2.5	Pass
		30	3.85	13.205	0.0069	-2.5 to 2.5	Pass
		40	3.85	14.335	0.0075	-2.5 to 2.5	Pass
		50	3.85	2.518	0.0013	-2.5 to 2.5	Pass

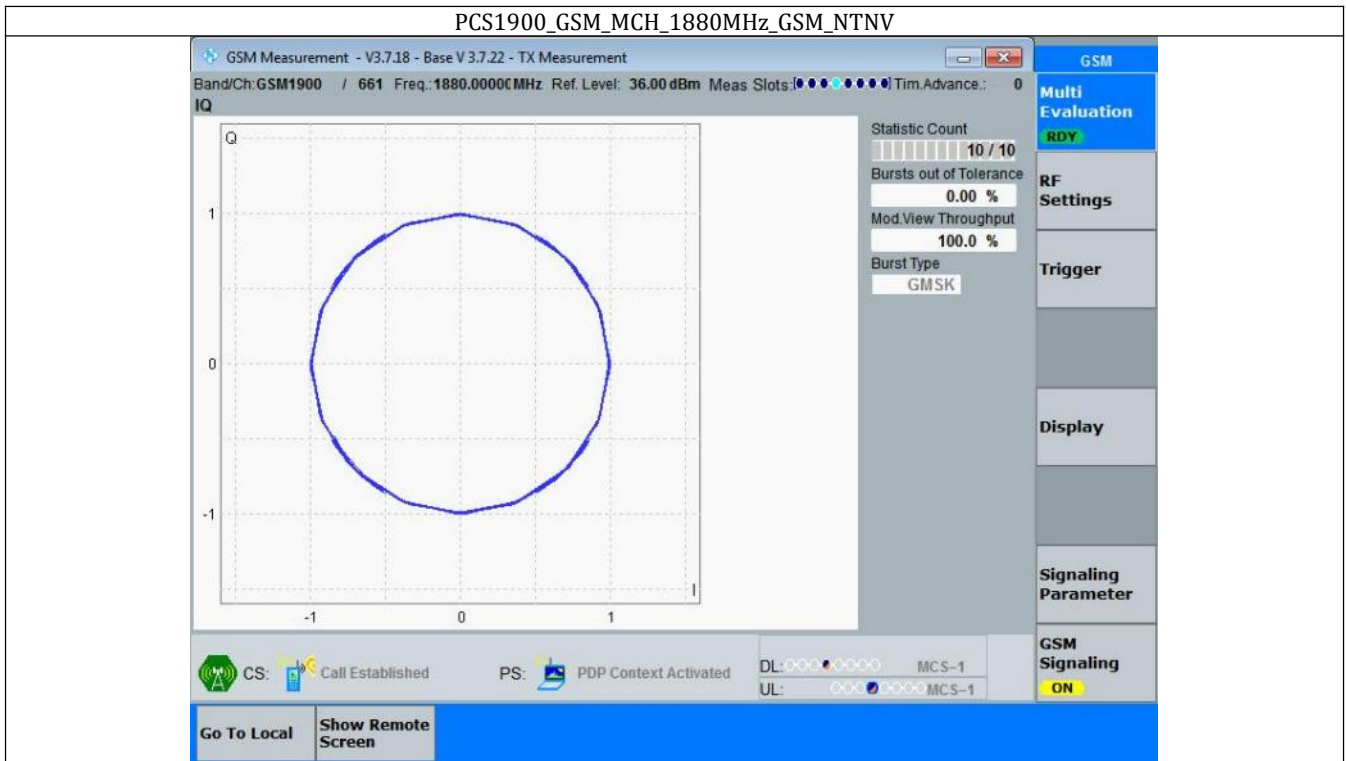
3. Modulation Characteristics

3.1 PCS1900

3.1.1 Test Result

Band: PCS1900						
ENV	Mode		Frequency (MHz)	Modulation Characteristics		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	GSM	1880	Refer To Test Graph		Pass

3.1.2 Test Graph



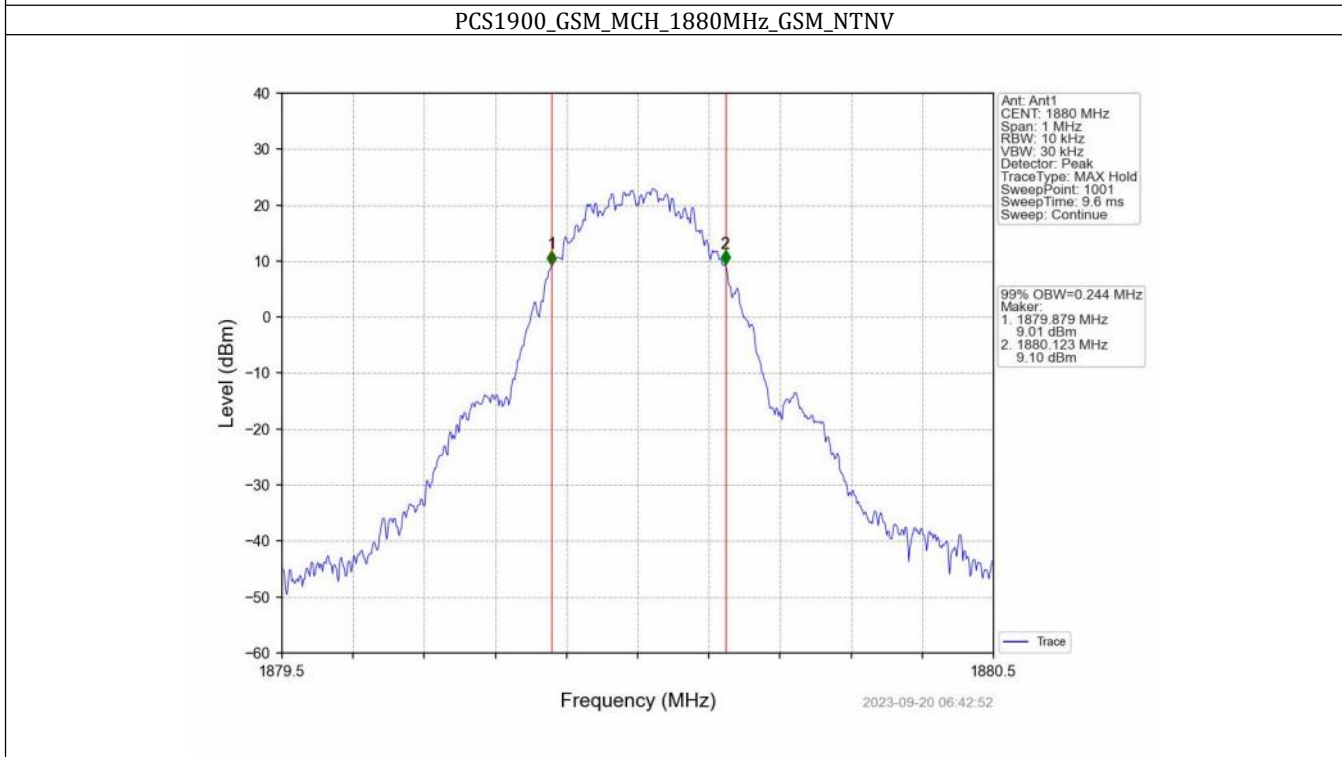
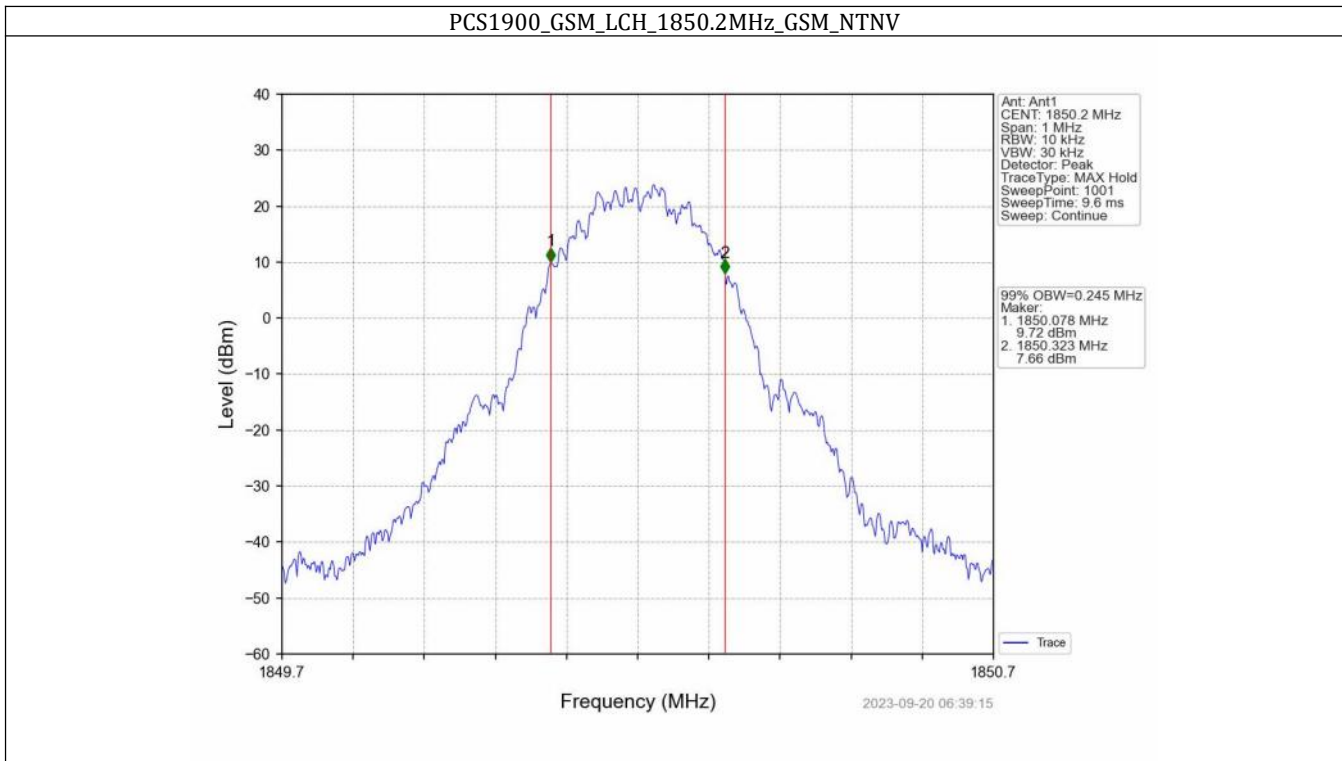
4. 99% & 26dB Bandwidth

4.1 PCS1900_OBW

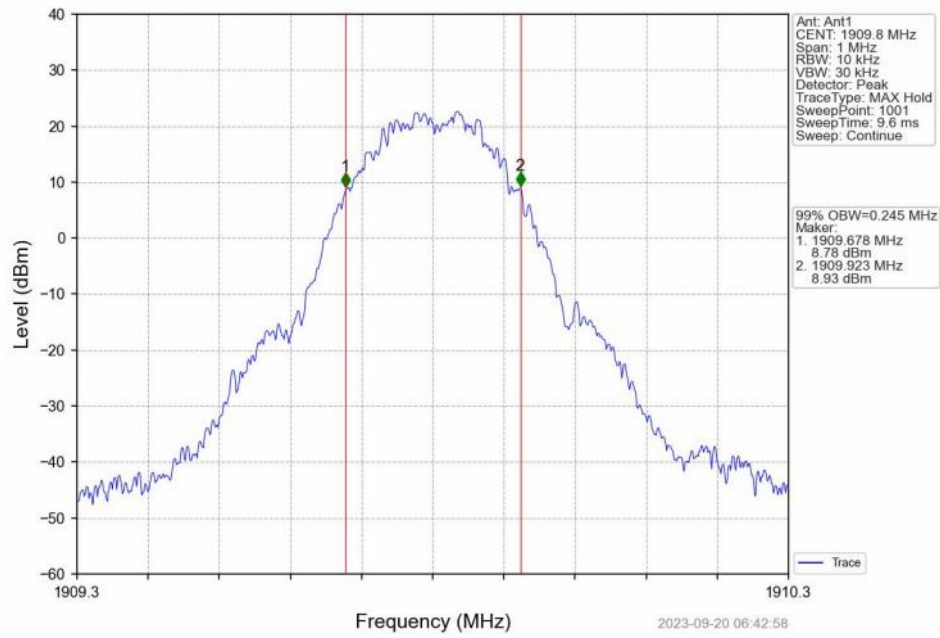
4.1.1 Test Result

Band: PCS1900					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	GSM	GSM	1850.2	0.245	Pass
			1880	0.244	Pass
			1909.8	0.245	Pass

4.1.2 Test Graph



PCS1900_GSM_HCH_1909.8MHz_GSM_NTNV

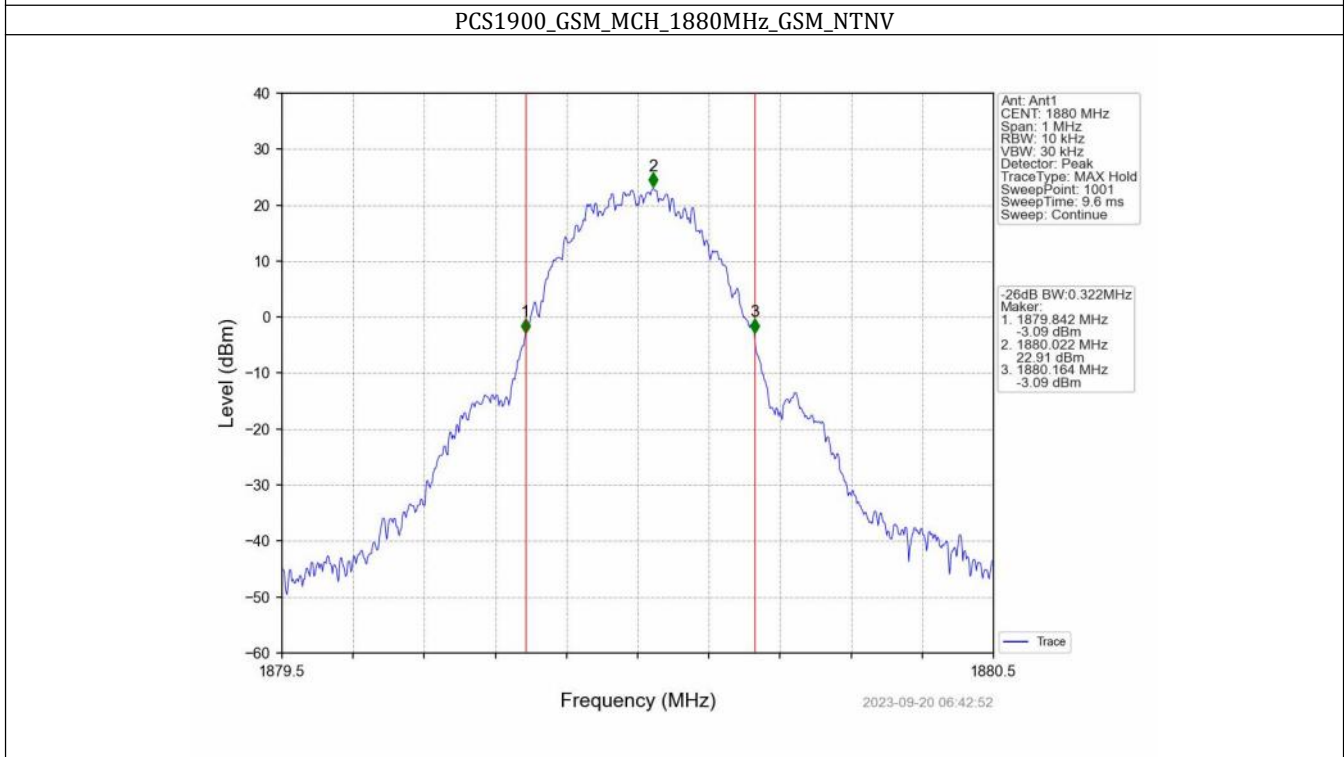
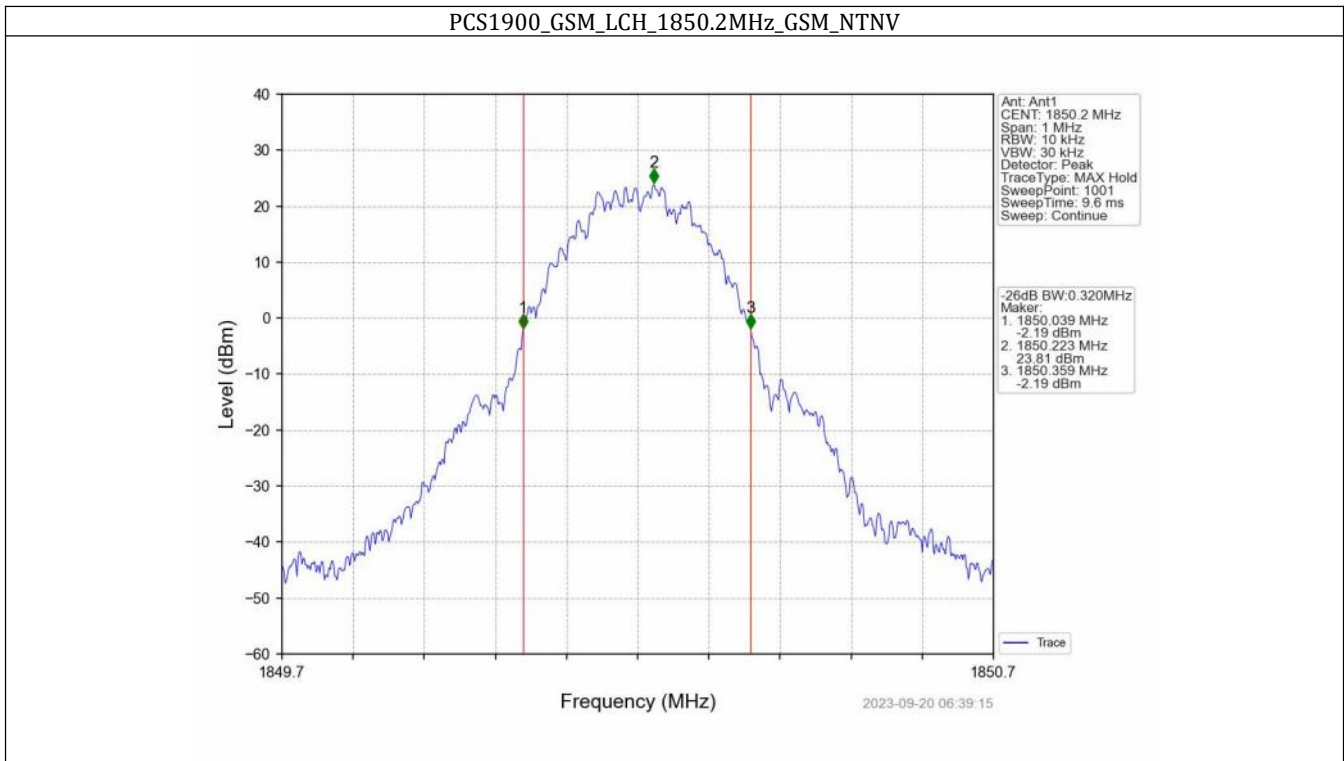


4.2 PCS1900_XDB

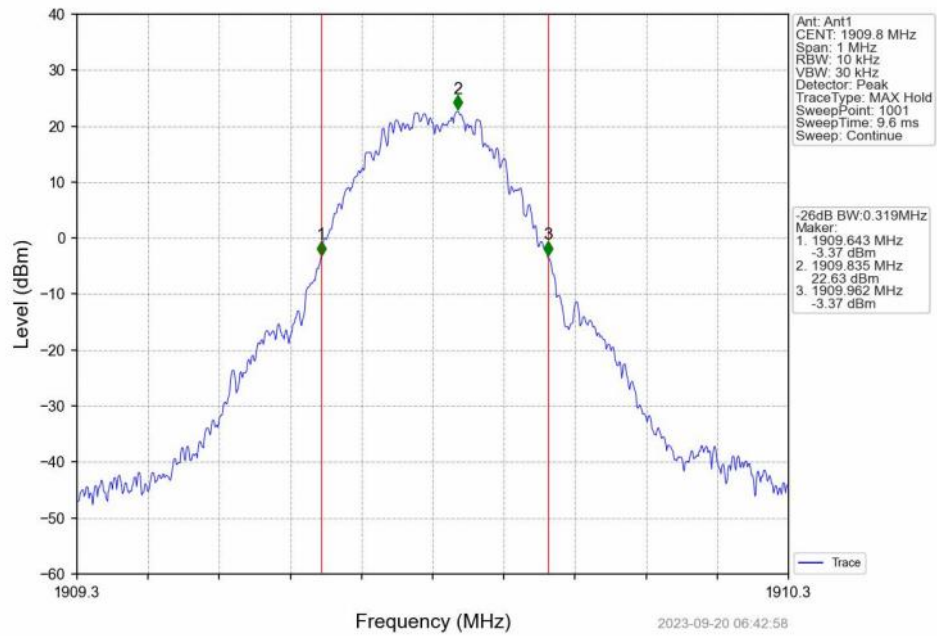
4.2.1 Test Result

Band: PCS1900					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	GSM	GSM	1850.2	0.320	Pass
			1880	0.322	Pass
			1909.8	0.319	Pass

4.2.2 Test Graph



PCS1900_GSM_HCH_1909.8MHz_GSM_NTNV



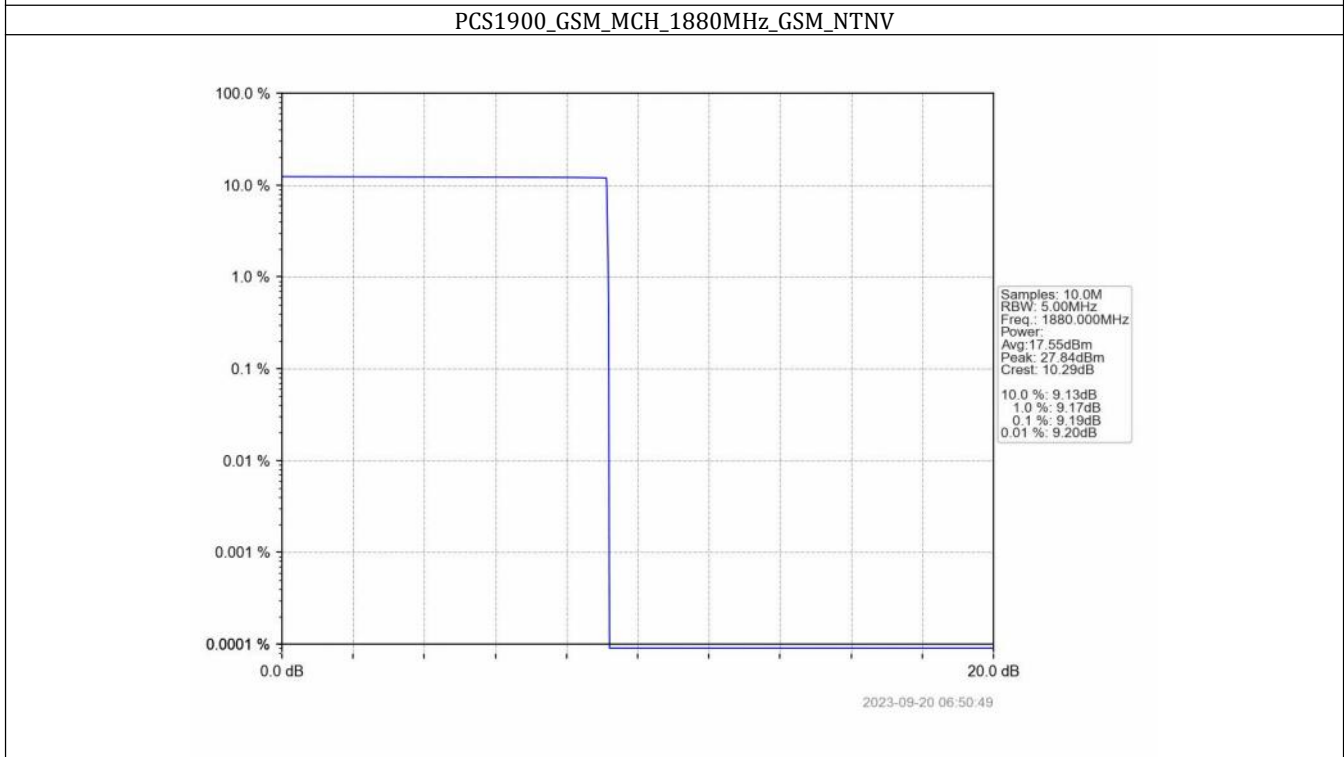
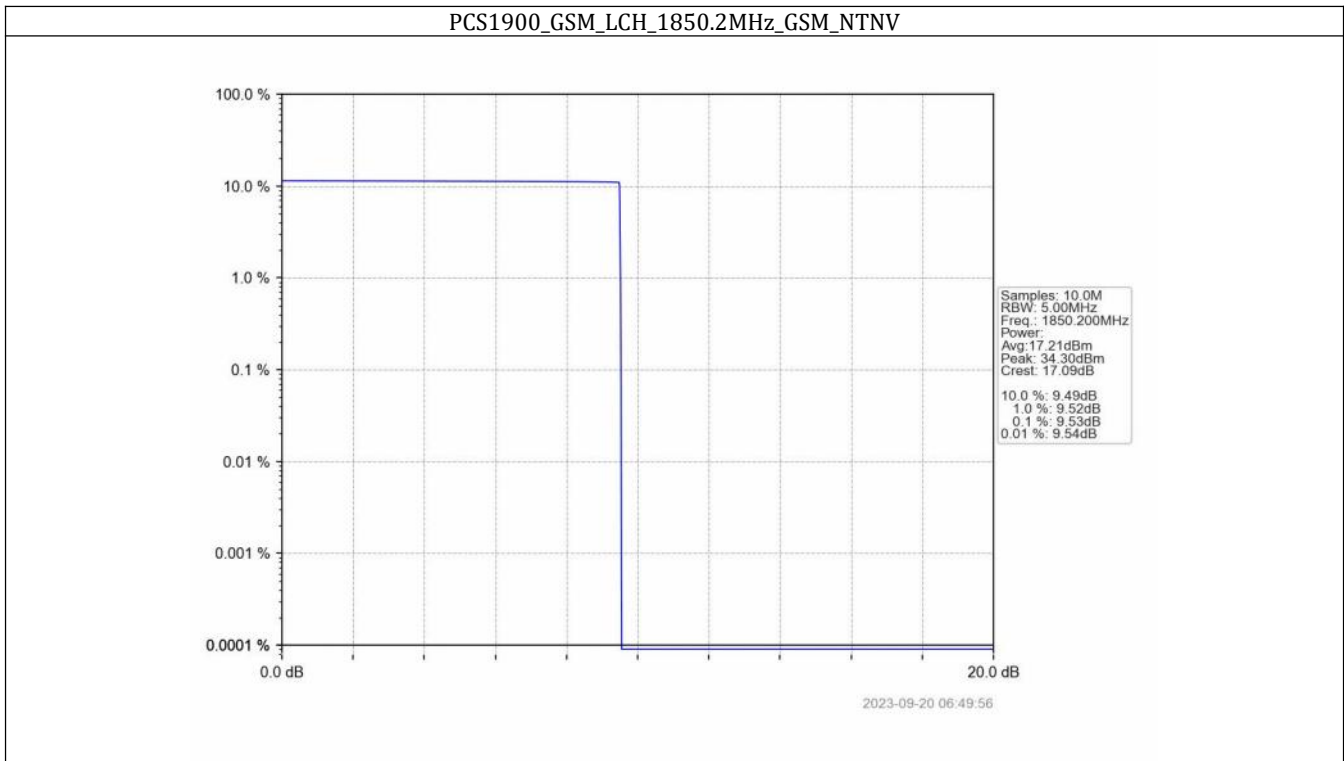
5. Peak-Average Ratio

5.1 PCS1900

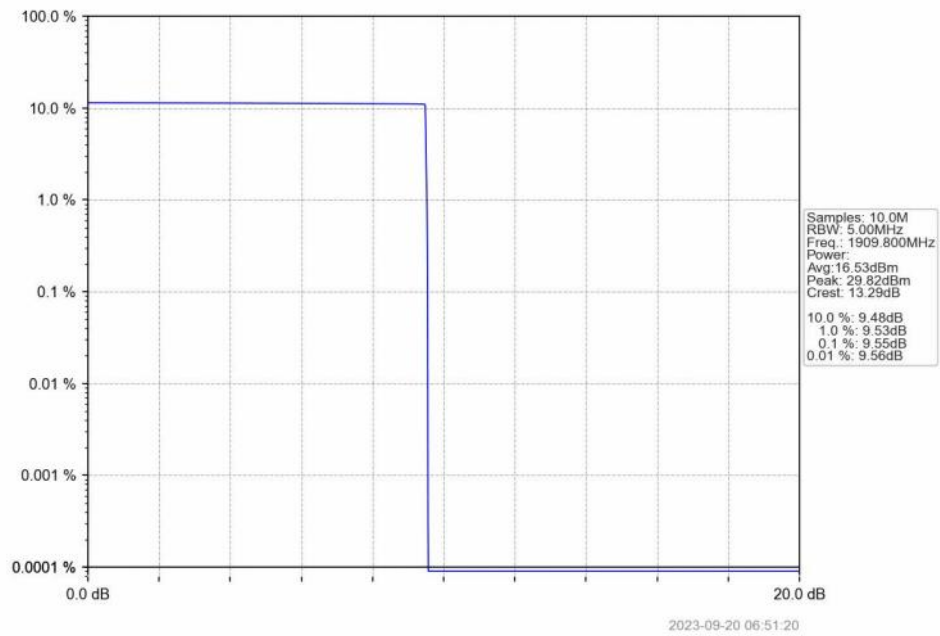
5.1.1 Test Result

Band: PCS1900						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	GSM	GSM	1850.2	9.53	<=13	Pass
			1880	9.19	<=13	Pass
			1909.8	9.55	<=13	Pass

5.1.2 Test Graph



PCS1900_GSM_HCH_1909.8MHz_GSM_NTNV



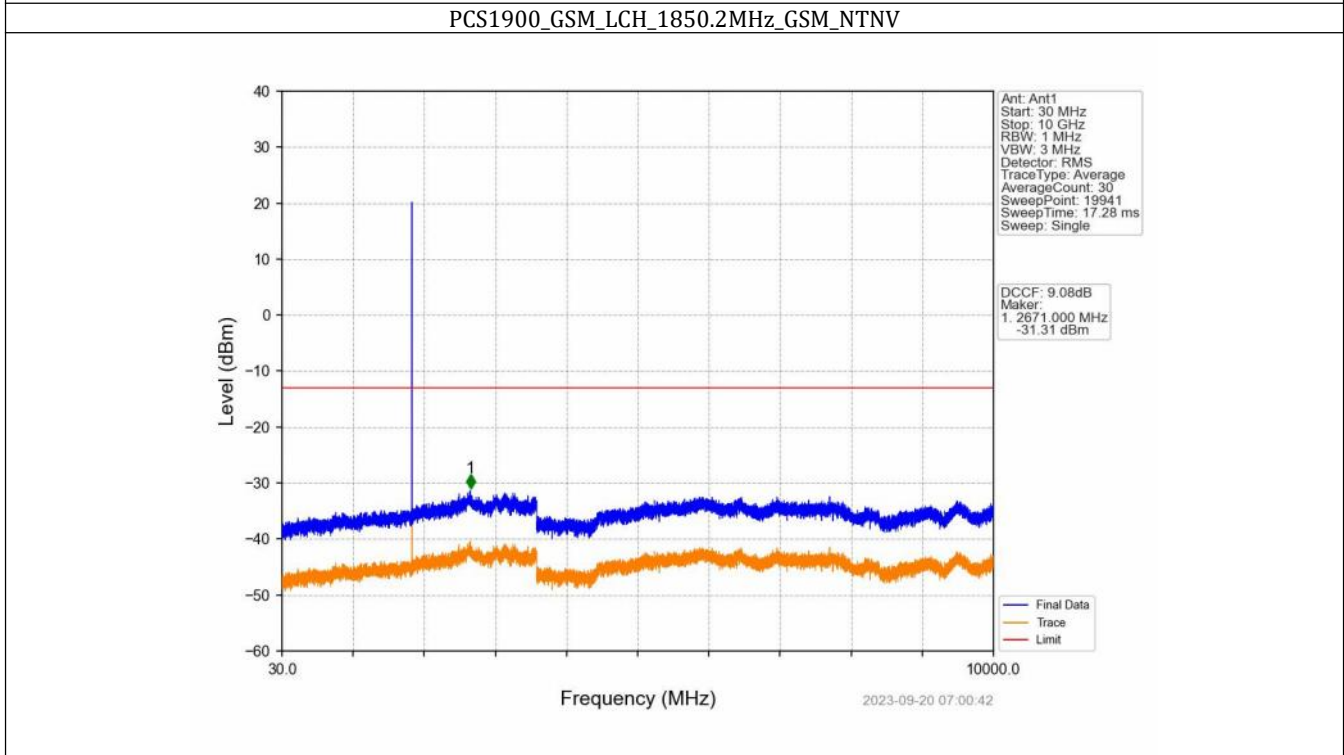
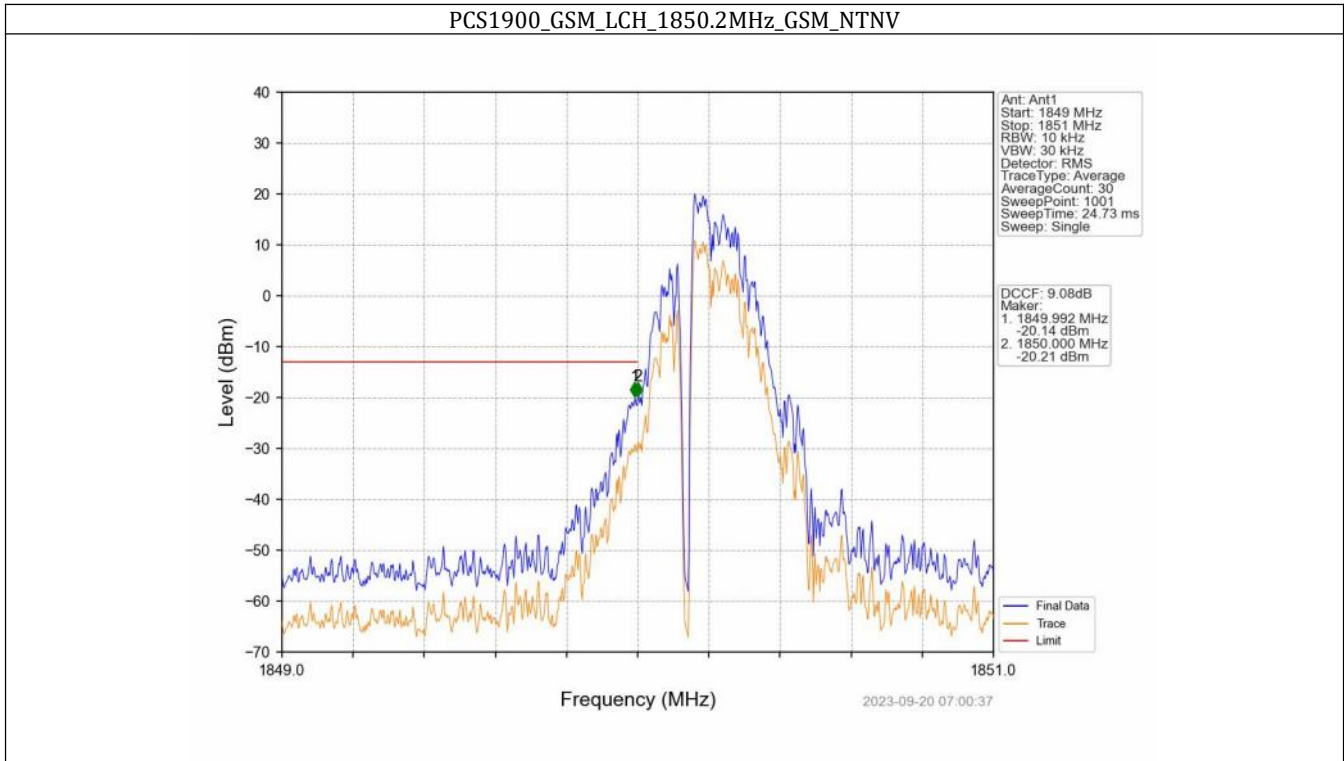
6. Spurious Emission

6.1 PCS1900

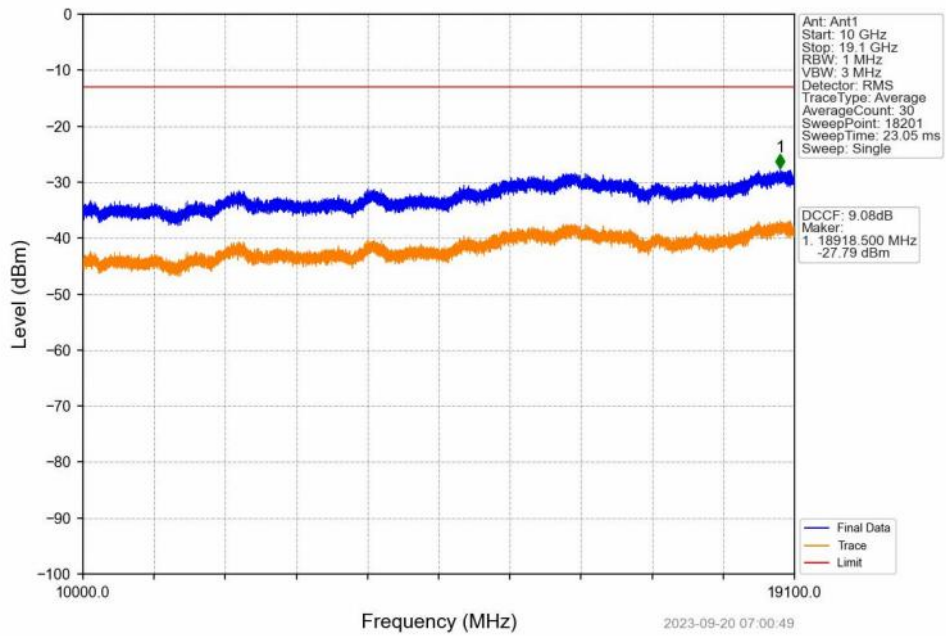
6.1.1 Test Result

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

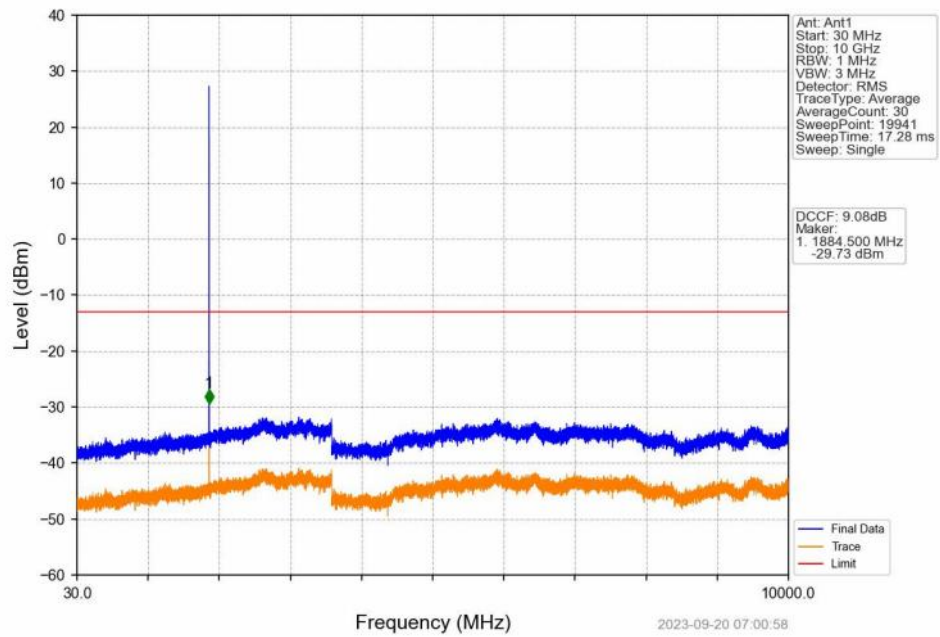
6.1.2 Test Graph



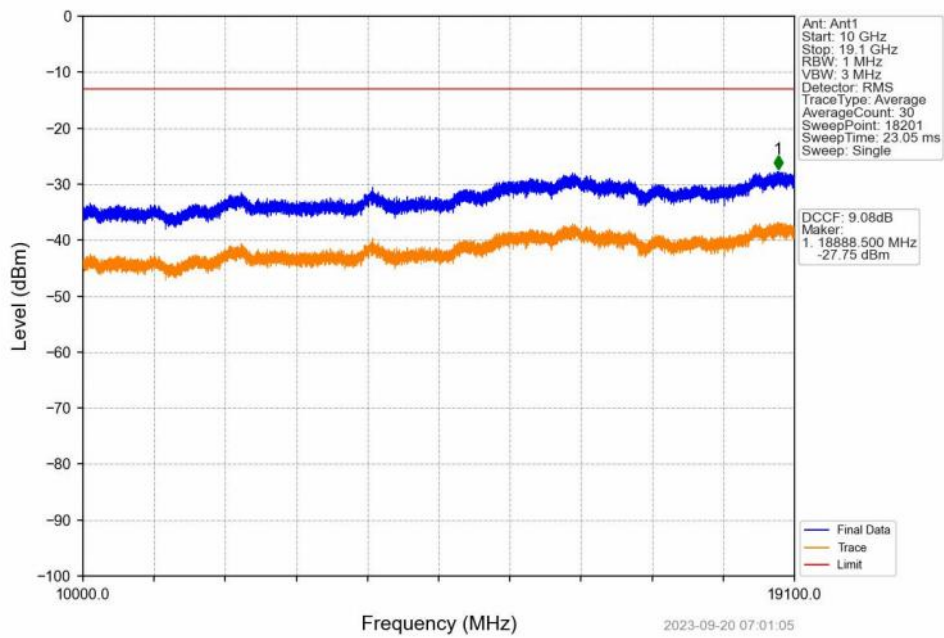
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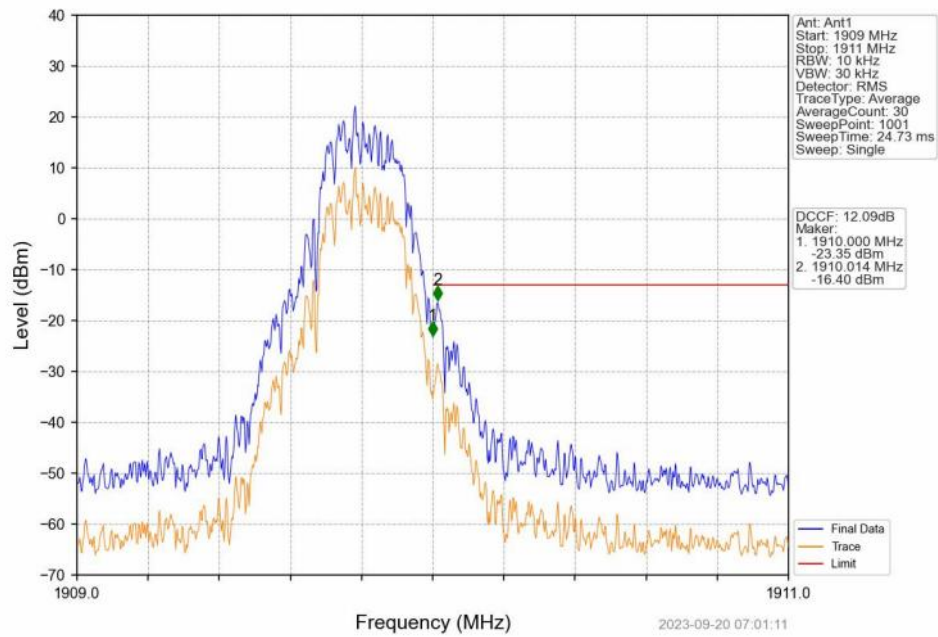
PCS1900_GSM_MCH_1880MHz_GSM_NTNV



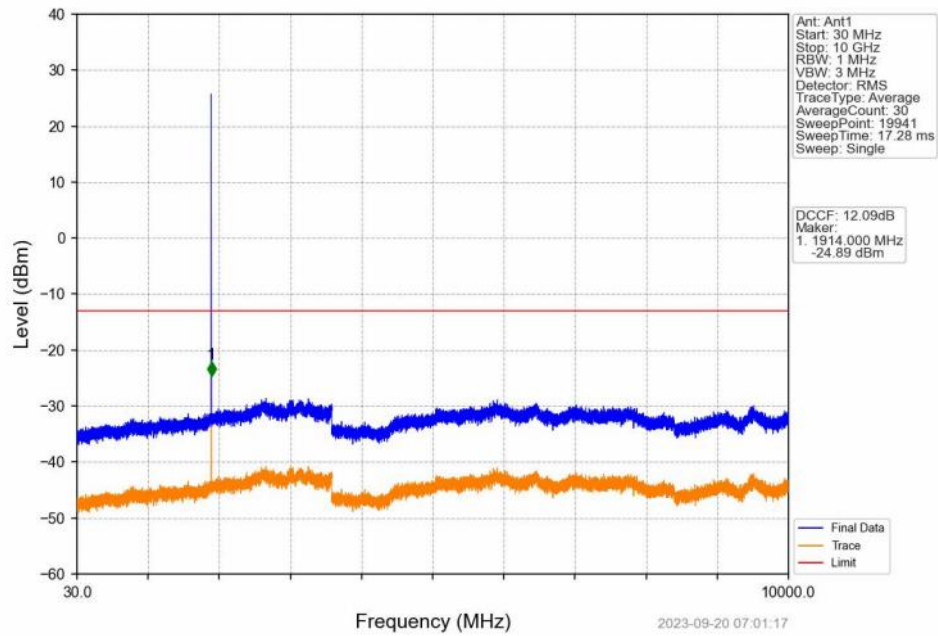
PCS1900_GSM_MCH_1880MHz_GSM_NTNV



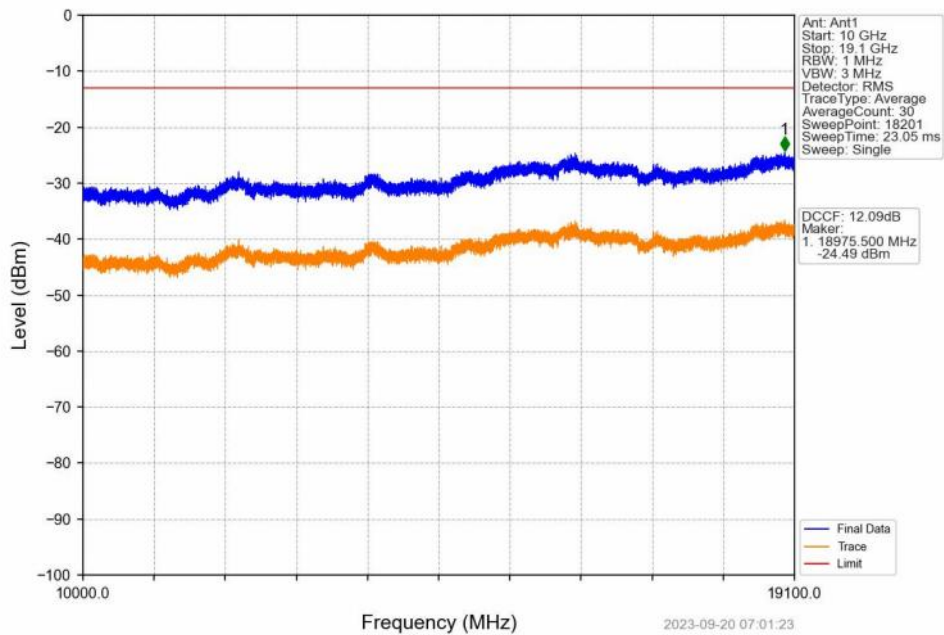
PCS1900_GSM_HCH_1909.8MHz_GSM_NTNV



PCS1900_GSM_HCH_1909.8MHz_GSM_NTNV



PCS1900_GSM_HCH_1909.8MHz_GSM_NTNV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
PCS1900	0.2	1850.2	1909.8	0.5224	0.0075	ppm	245KGXW	24E	27.18

7.2 Form731_EIRP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
PCS1900	0.2	1850.2	1909.8	0.5861	0.0075	ppm	245KGXW	24E	27.68