



Appendix I

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: PCS1900											
Test Mode		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
		LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
EGPRS	1 TX Slot	27.99	28.25	27.93	/	3.00	30.99	31.25	30.93	33.01	PASS
	2 TX Slots	27.31	27.63	27.32	/	3.00	30.31	30.63	30.32	33.01	PASS
	3 TX Slots	25.55	26.11	25.84	/	3.00	28.55	29.11	28.84	33.01	PASS
	4 TX Slots	24.46	25.01	24.90	/	3.00	27.46	28.01	27.90	33.01	PASS
GPRS	1 TX Slot	29.58	29.45	29.04	/	3.00	32.58	32.45	32.04	33.01	PASS
	2 TX Slots	28.86	28.77	28.38	/	3.00	31.86	31.77	31.38	33.01	PASS
	3 TX Slots	27.18	27.13	26.75	/	3.00	30.18	30.13	29.75	33.01	PASS
	4 TX Slots	26.15	26.13	25.75	/	3.00	29.15	29.13	28.75	33.01	PASS
GSM	GSM	29.64	29.56	29.05	/	3.00	32.64	32.56	32.05	33.01	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)											

2. Frequency stability

2.1 Test Result

Test Band: PCS1900 (Frequency Error VS. Voltage)										
Test Mode	Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
EGPRS	NT	LV	20.9212	19.1778	21.9544	0.0113	0.0102	0.0115	2.50	PASS
		NV	18.4675	23.2135	27.8950	0.0100	0.0123	0.0146	2.50	PASS
		HV	18.1446	17.5958	24.7310	0.0098	0.0094	0.0129	2.50	PASS
GPRS	NT	LV	22.0190	17.4021	10.8803	0.0119	0.0093	0.0057	2.50	PASS
		NV	22.5032	17.4989	9.5243	0.0122	0.0093	0.0050	2.50	PASS
		HV	20.7275	14.8192	11.8812	0.0112	0.0079	0.0062	2.50	PASS
GSM	NT	LV	21.5347	21.0181	13.5278	0.0116	0.0112	0.0071	2.50	PASS
		NV	20.8889	18.8226	13.8829	0.0113	0.0100	0.0073	2.50	PASS
		HV	23.0521	22.3418	10.7189	0.0125	0.0119	0.0056	2.50	PASS

Test Band: PCS1900 (Frequency Error VS. Temperature)										
Test Mode	Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		

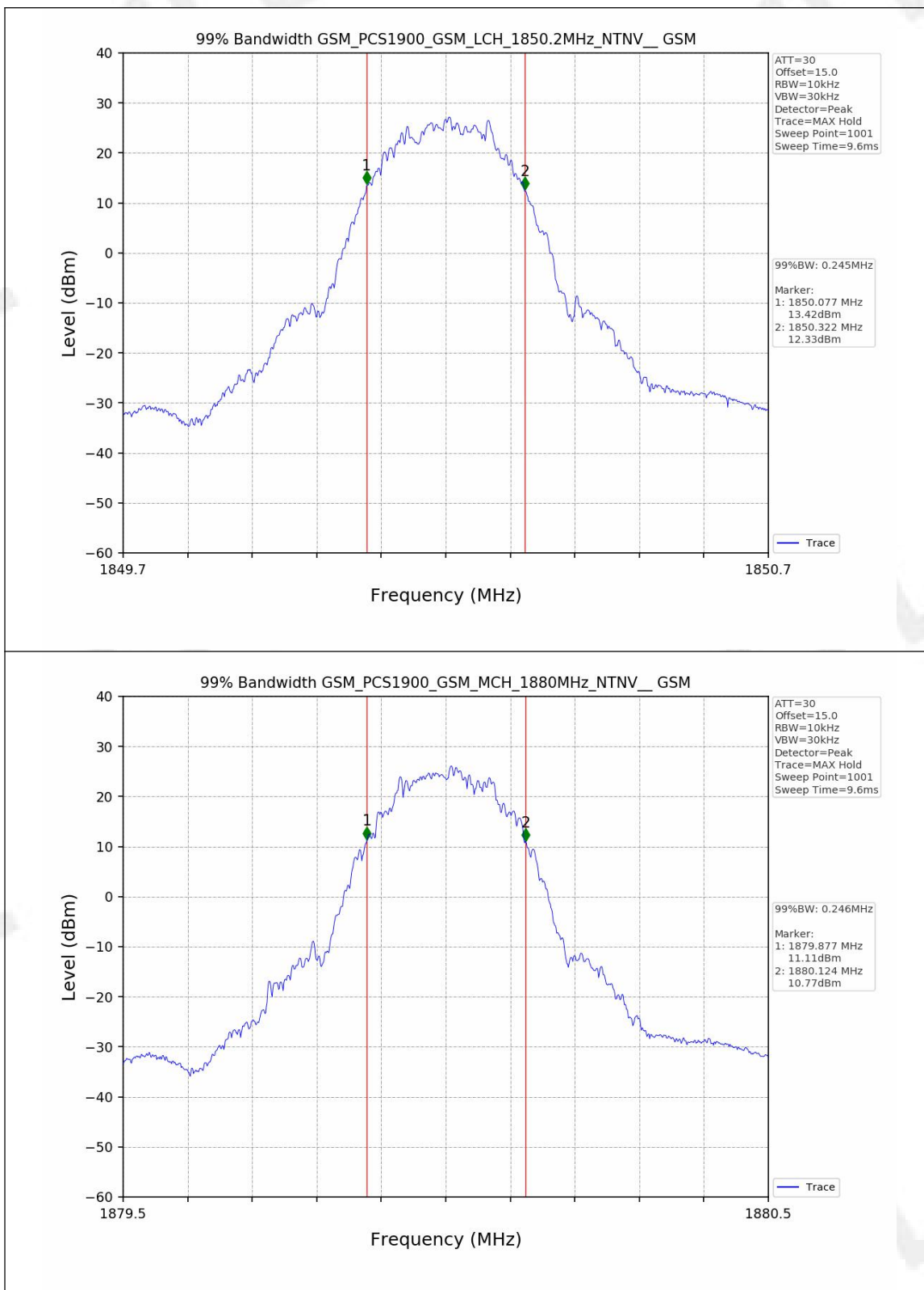
EGPRS	NV	-30.00	18.7258	24.2467	27.4753	0.0101	0.0129	0.0144	2.50	PASS
		-20.00	21.5024	22.9875	19.8235	0.0116	0.0122	0.0104	2.50	PASS
		-10.00	16.8532	23.4072	26.3452	0.0091	0.0125	0.0138	2.50	PASS
		0.00	4.8752	20.7275	19.3392	0.0026	0.0110	0.0101	2.50	PASS
		10.00	14.5609	19.7266	24.1821	0.0079	0.0105	0.0127	2.50	PASS
		20.00	18.4675	16.6272	16.8209	0.0100	0.0088	0.0088	2.50	PASS
		30.00	21.6638	22.0512	22.0512	0.0117	0.0117	0.0115	2.50	PASS
		40.00	20.6952	21.6315	19.9849	0.0112	0.0115	0.0105	2.50	PASS
		50.00	20.9858	19.8558	18.7258	0.0113	0.0106	0.0098	2.50	PASS
GPRS	NV	-30.00	22.9230	13.1403	15.0775	0.0124	0.0070	0.0079	2.50	PASS
		-20.00	18.9841	17.6604	14.9484	0.0103	0.0094	0.0078	2.50	PASS
		-10.00	21.5024	16.2398	17.9509	0.0116	0.0086	0.0094	2.50	PASS
		0.00	19.9204	16.8855	12.6883	0.0108	0.0090	0.0066	2.50	PASS
		10.00	19.7912	17.4666	13.8183	0.0107	0.0093	0.0072	2.50	PASS
		20.00	21.9867	17.9509	16.7564	0.0119	0.0095	0.0088	2.50	PASS
		30.00	21.1795	16.9824	18.4352	0.0114	0.0090	0.0097	2.50	PASS
		40.00	19.6944	16.1106	16.0461	0.0106	0.0086	0.0084	2.50	PASS
		50.00	22.4709	17.3052	18.8549	0.0121	0.0092	0.0099	2.50	PASS
GSM	NV	-30.00	21.1150	21.6638	14.0766	0.0114	0.0115	0.0074	2.50	PASS
		-20.00	19.5652	18.8872	14.7546	0.0106	0.0100	0.0077	2.50	PASS
		-10.00	22.4387	23.6332	10.9126	0.0121	0.0126	0.0057	2.50	PASS
		0.00	21.7930	20.2432	12.3332	0.0118	0.0108	0.0065	2.50	PASS
		10.00	20.6307	21.2441	13.7215	0.0112	0.0113	0.0072	2.50	PASS
		20.00	22.5355	23.0844	10.1055	0.0122	0.0123	0.0053	2.50	PASS
		30.00	22.6324	21.1795	10.1055	0.0122	0.0113	0.0053	2.50	PASS
		40.00	22.3741	22.7292	13.8506	0.0121	0.0121	0.0073	2.50	PASS
		50.00	22.4709	21.5347	12.2040	0.0121	0.0115	0.0064	2.50	PASS

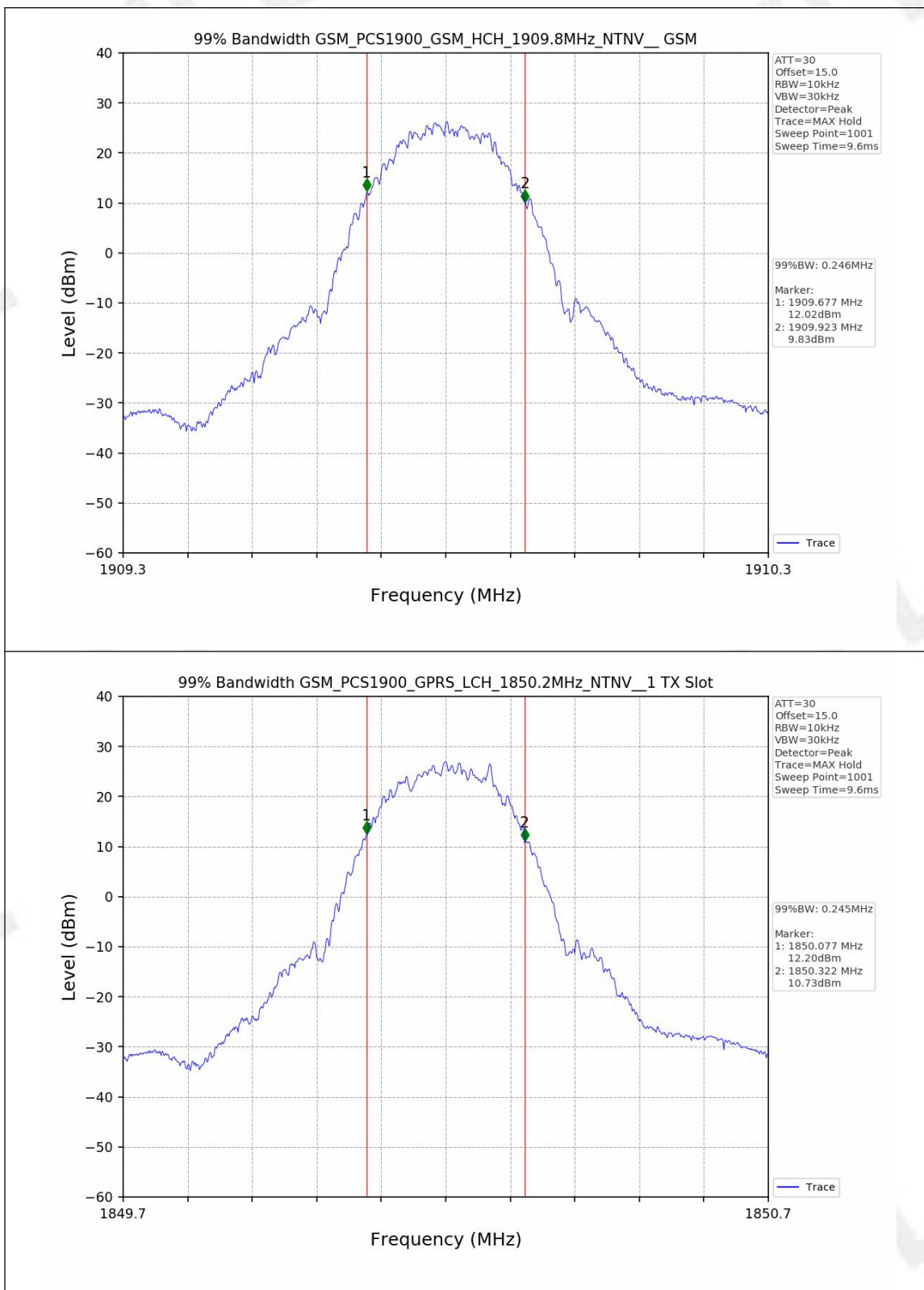
3. 99% & 26dB Bandwidth

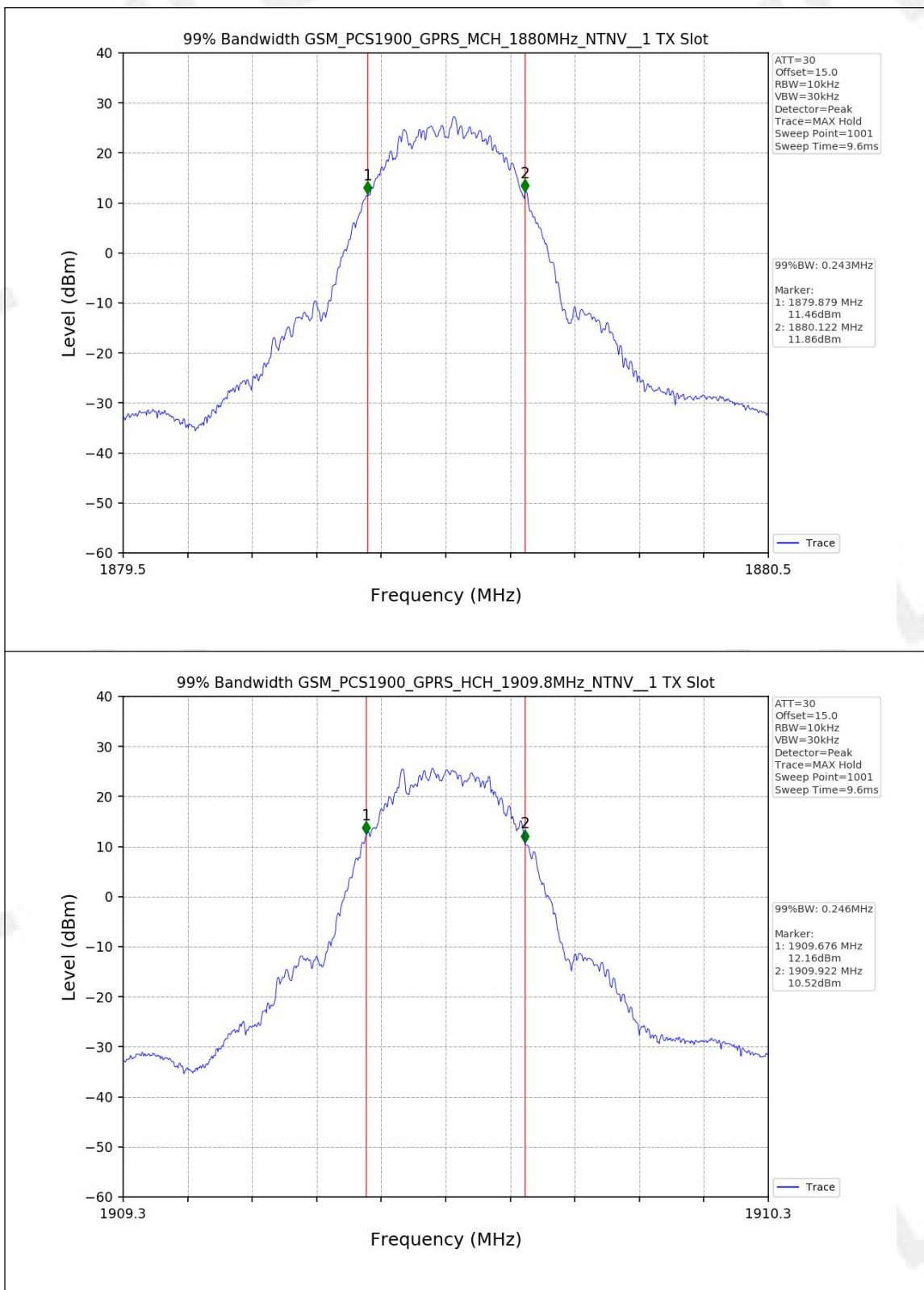
3.1 Test Result

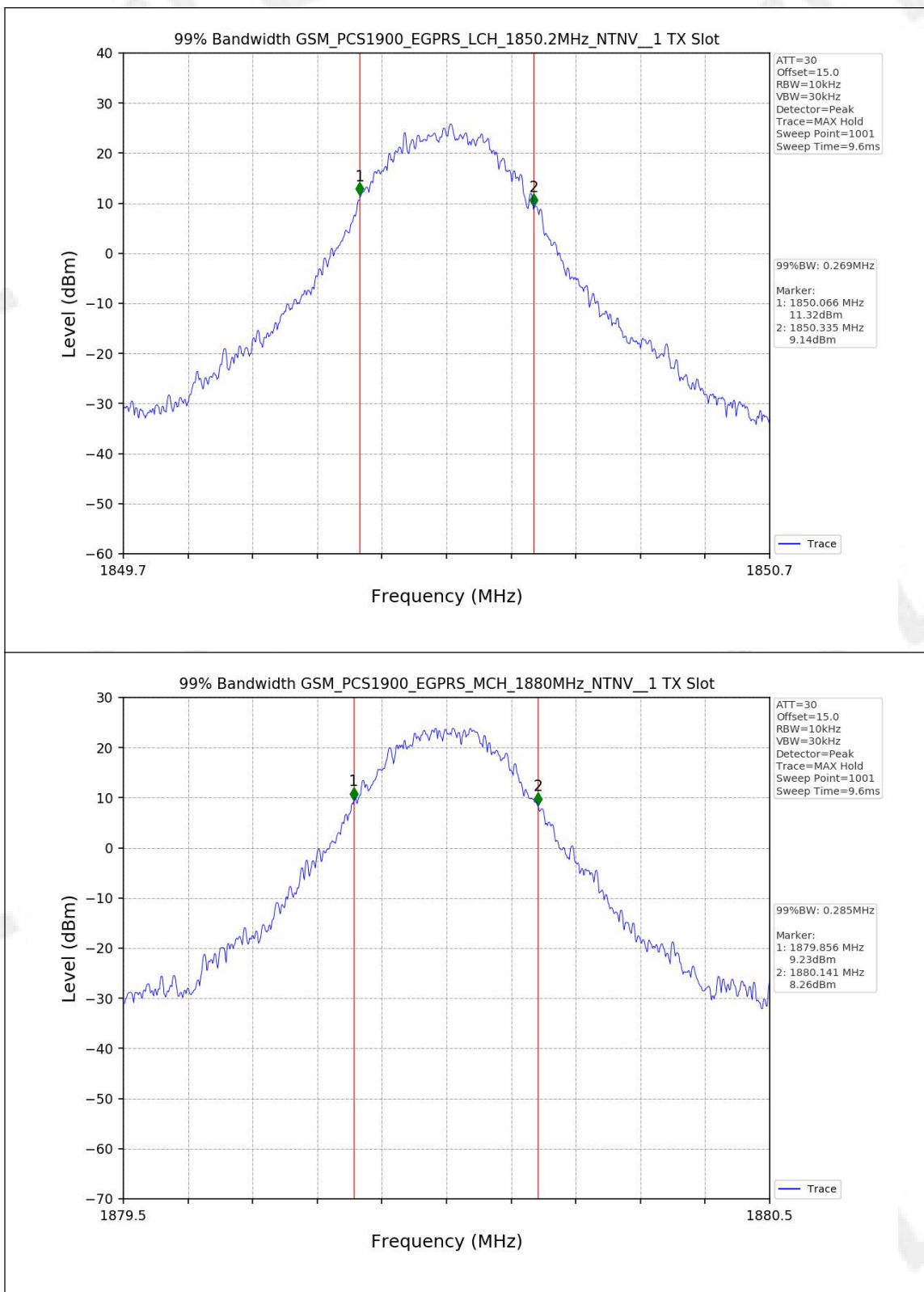
Test Band: PCS1900					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.269	0.285	0.282	N/A	PASS
GPRS	0.245	0.243	0.246	N/A	PASS
GSM	0.245	0.246	0.246	N/A	PASS

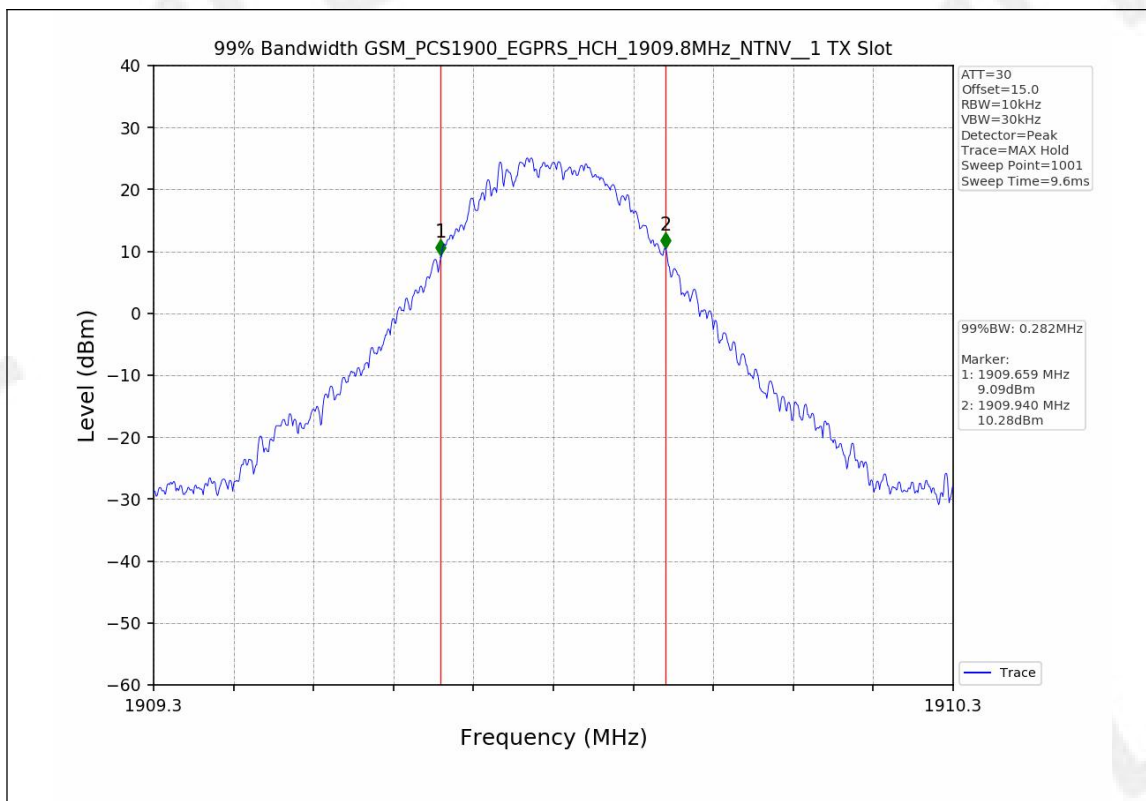
3.2 Test Graph





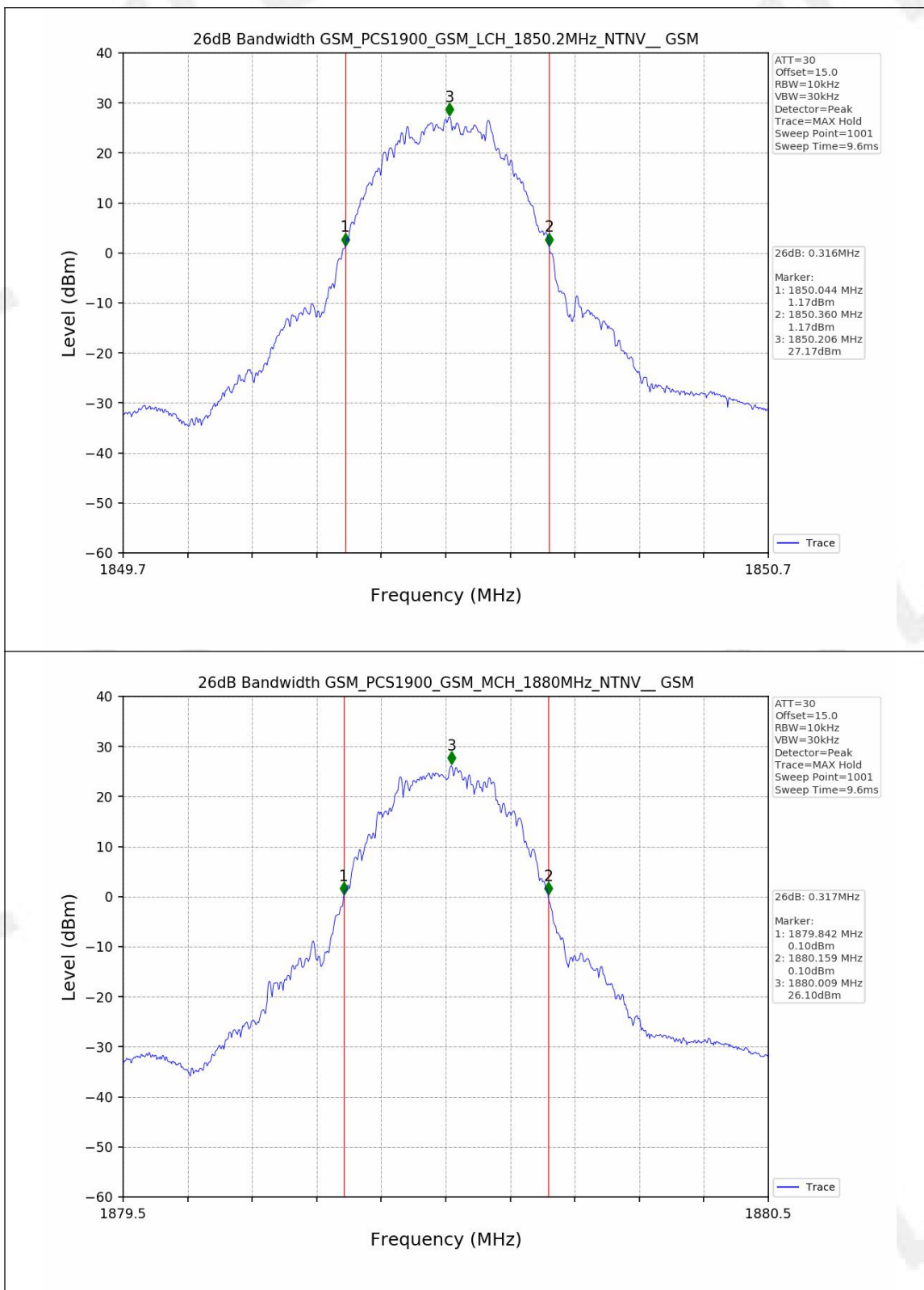


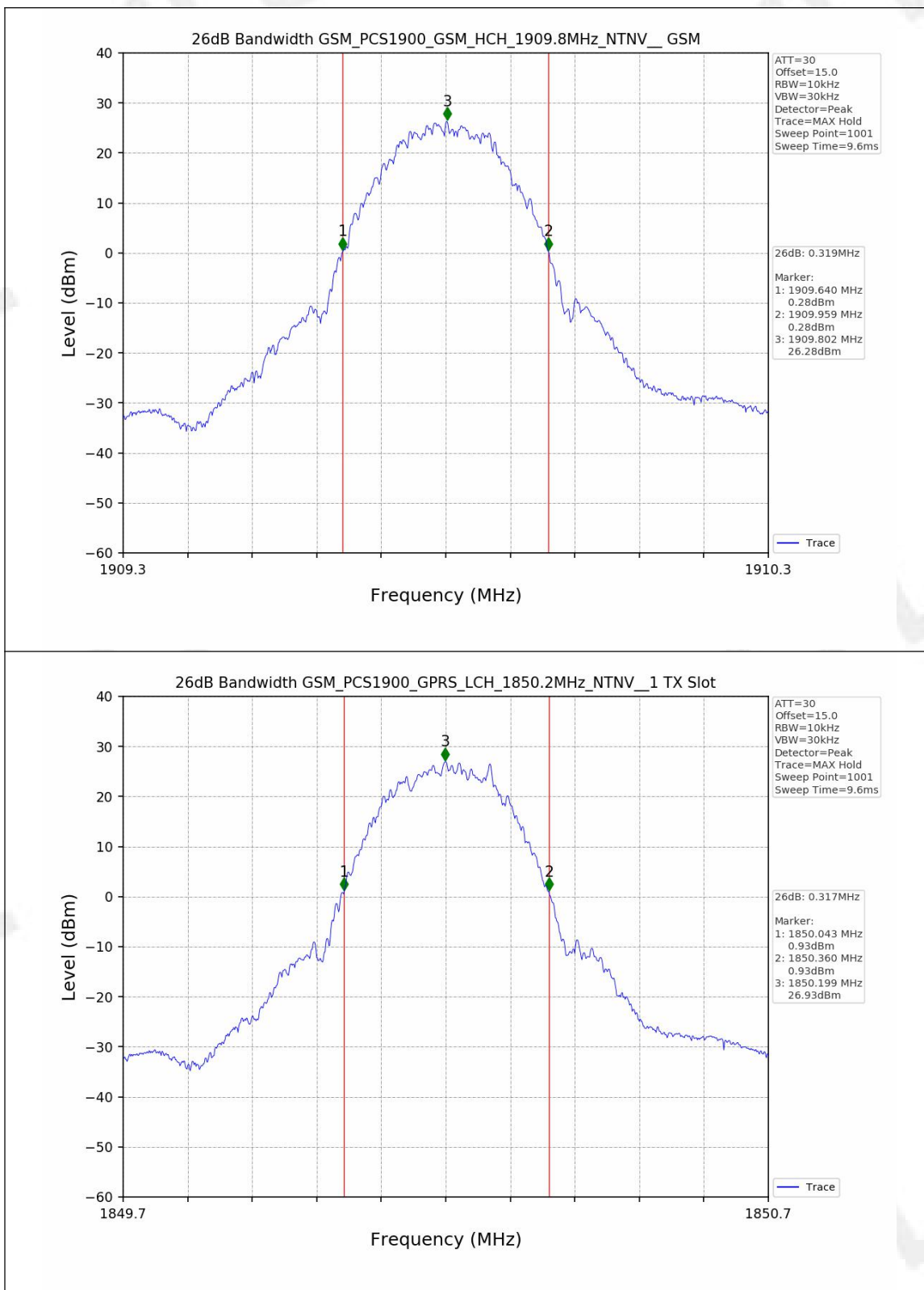


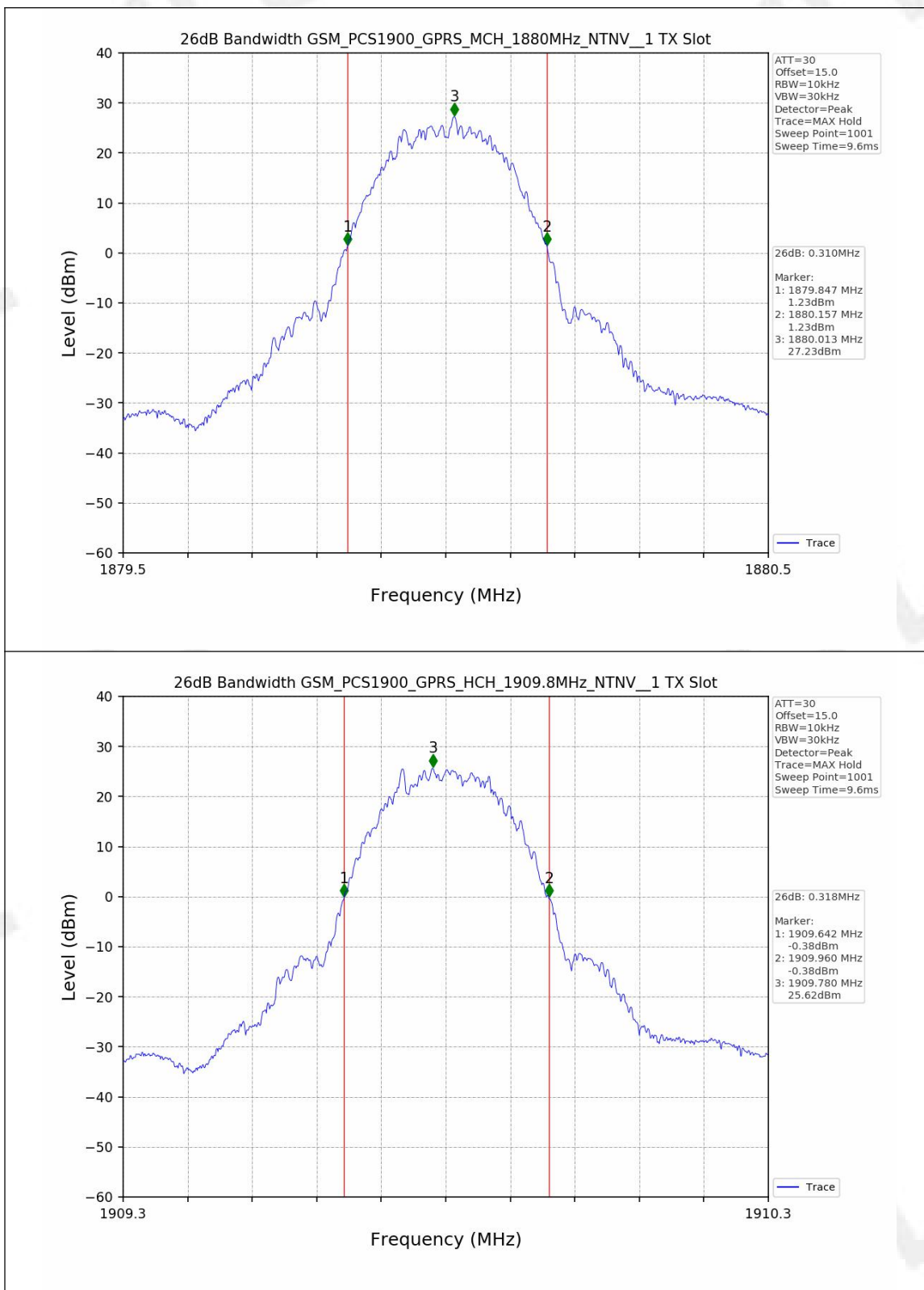


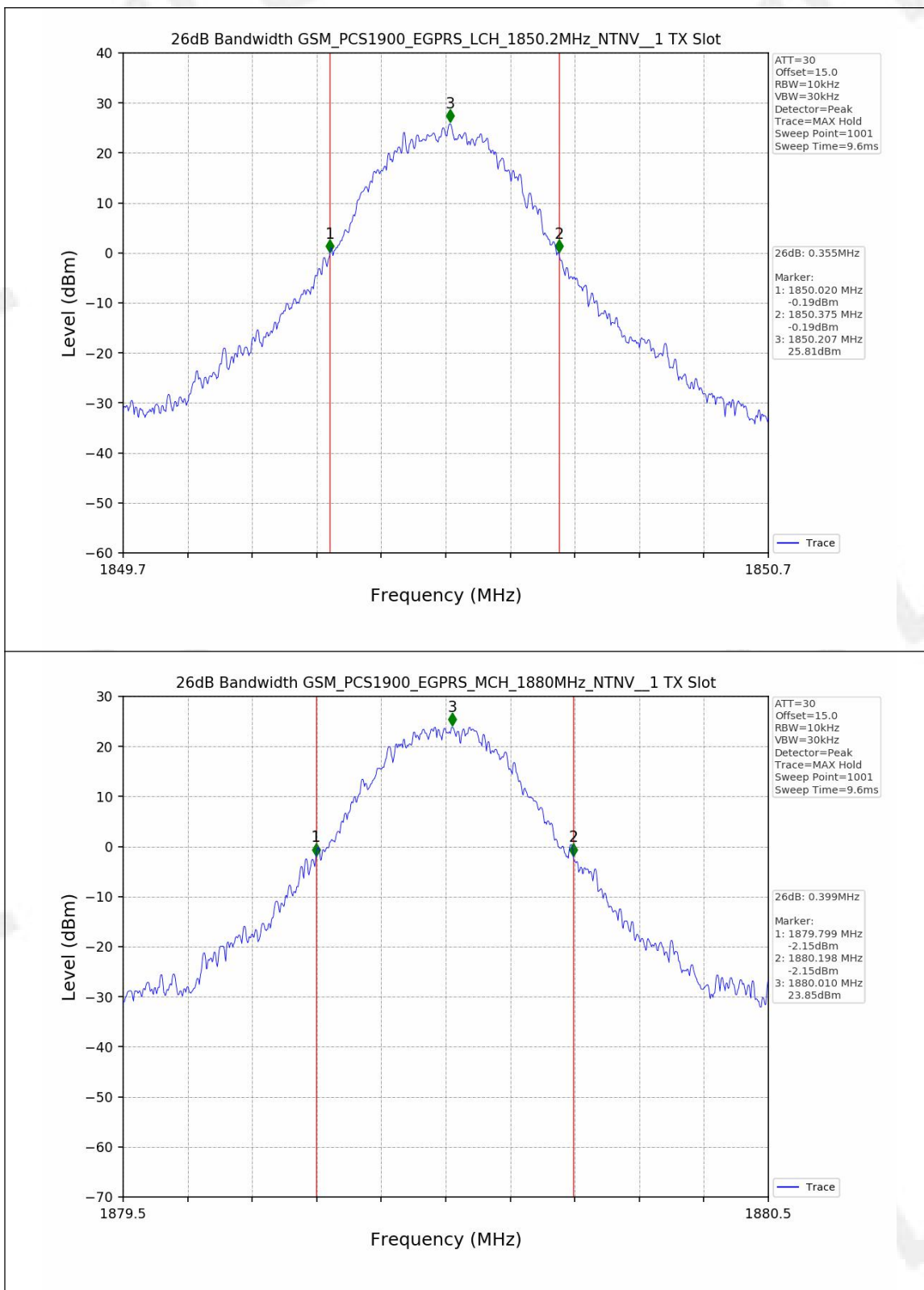
Test Band: PCS1900					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.355	0.399	0.400	N/A	PASS
GPRS	0.317	0.310	0.318	N/A	PASS
GSM	0.316	0.317	0.319	N/A	PASS

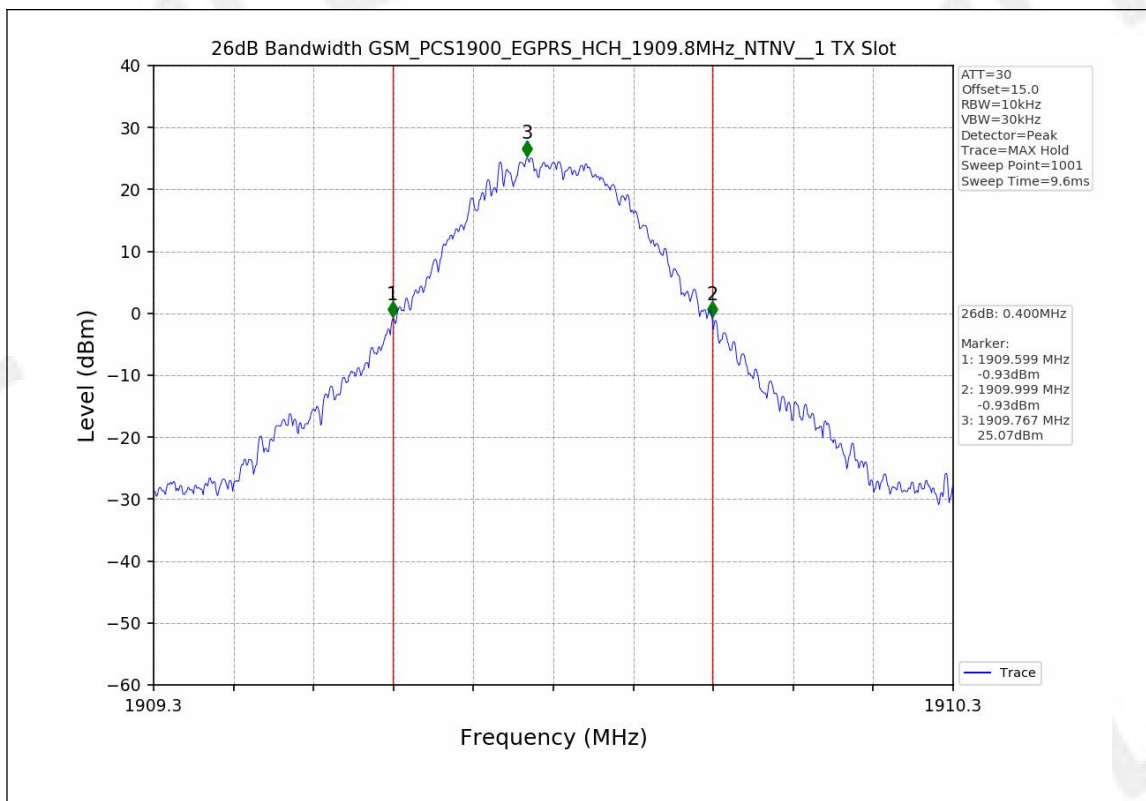
3.2 Test Graph









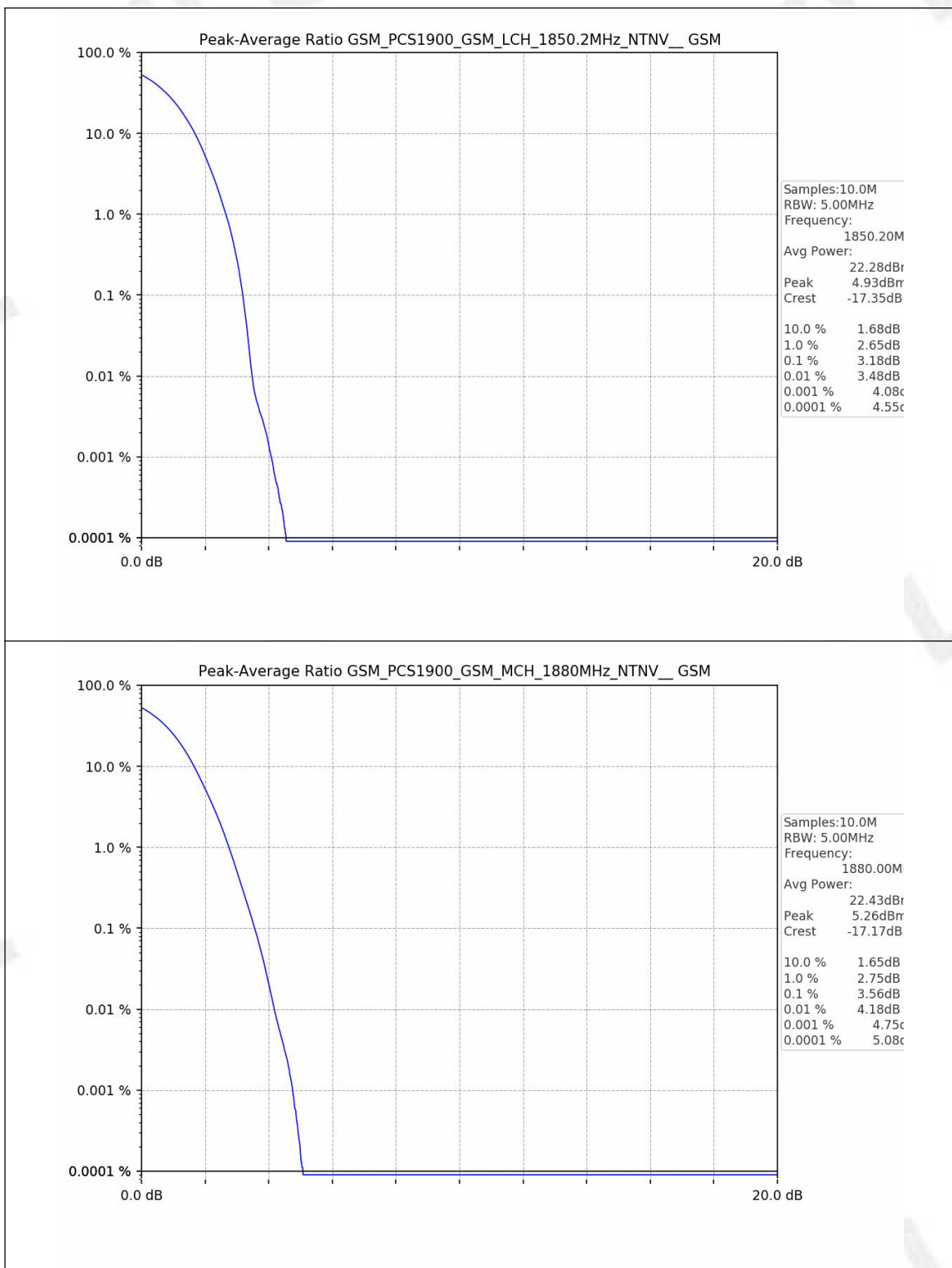


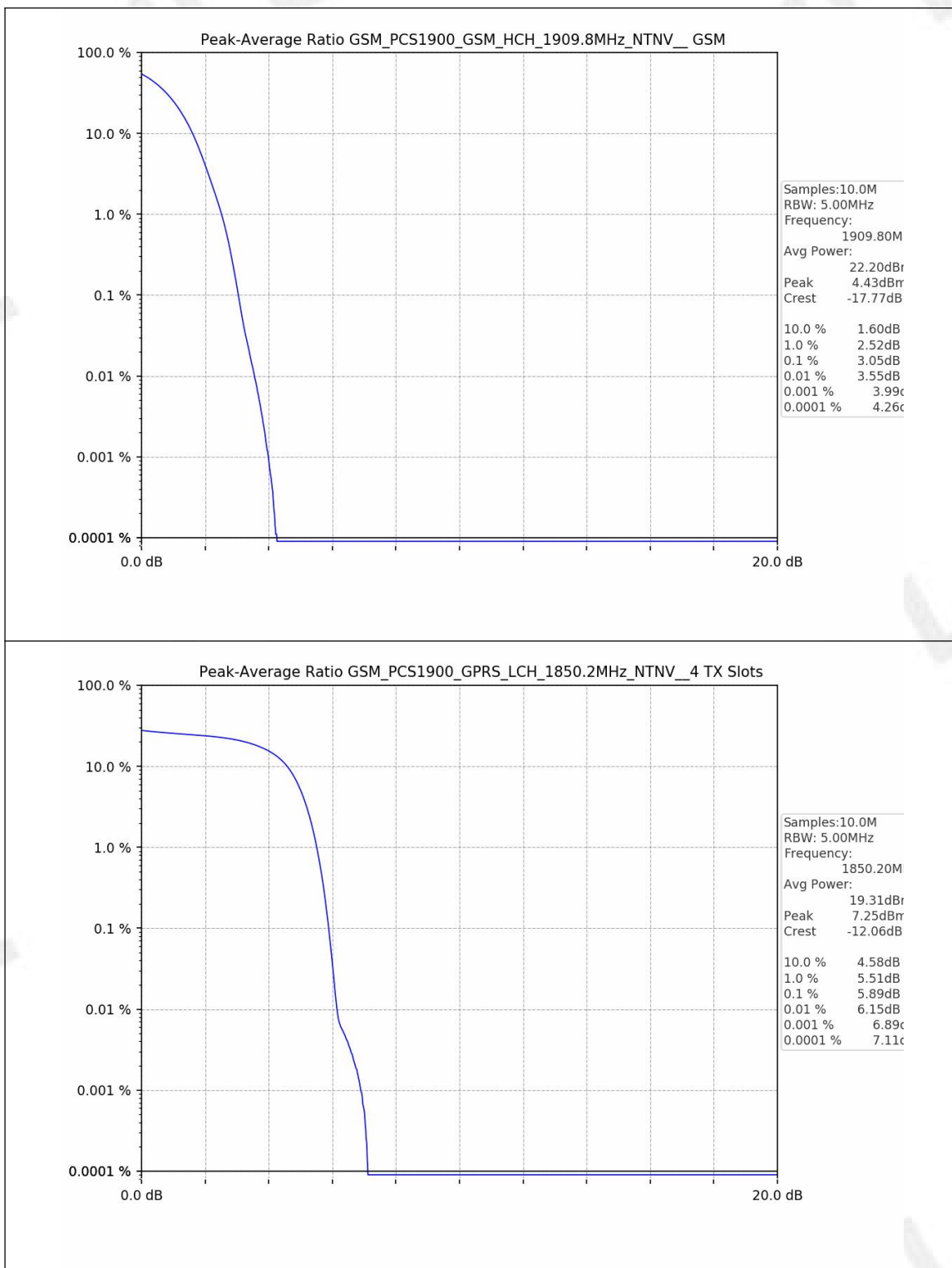
4. Peak-Average Ratio

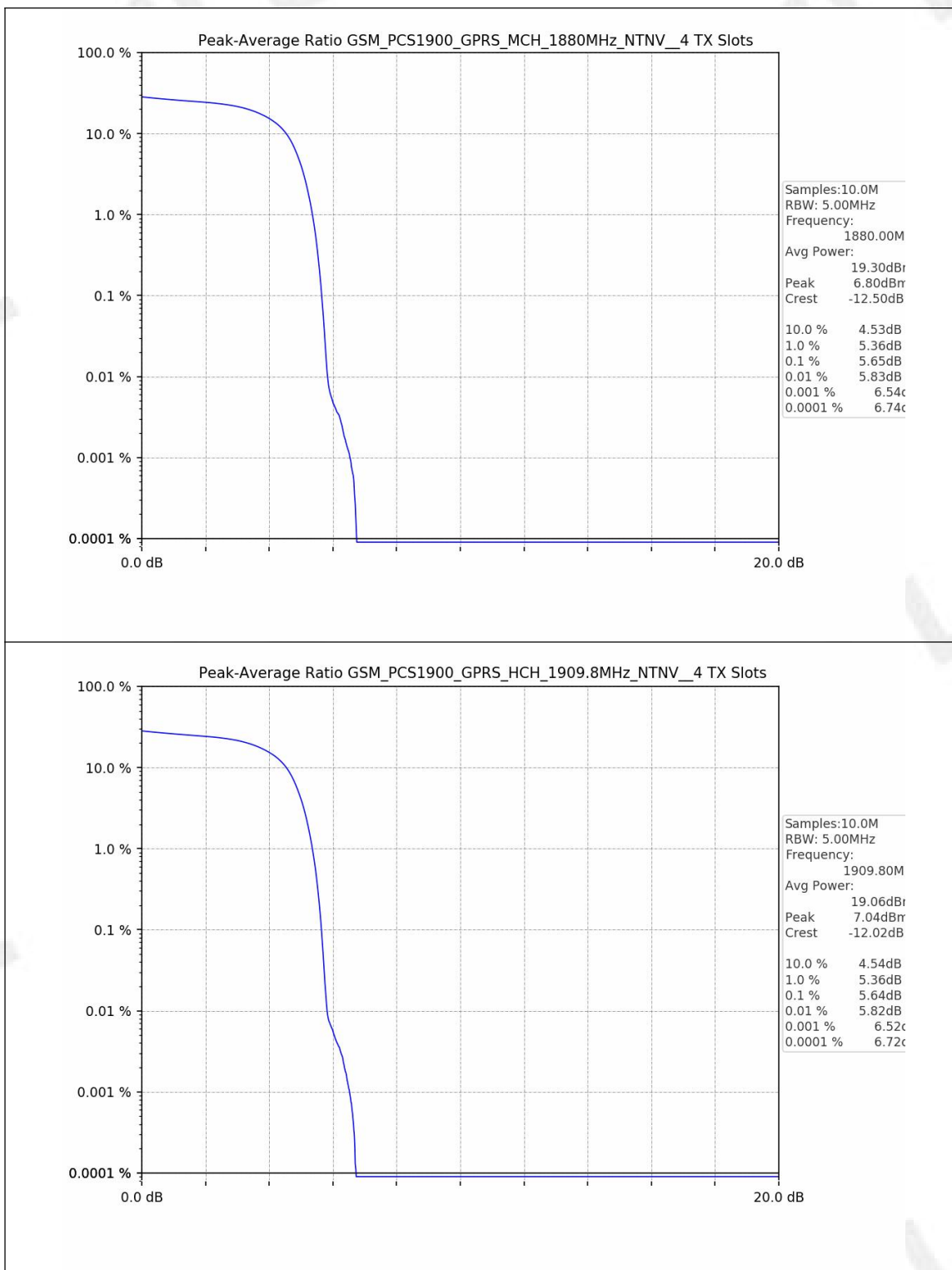
4.1 Test Result

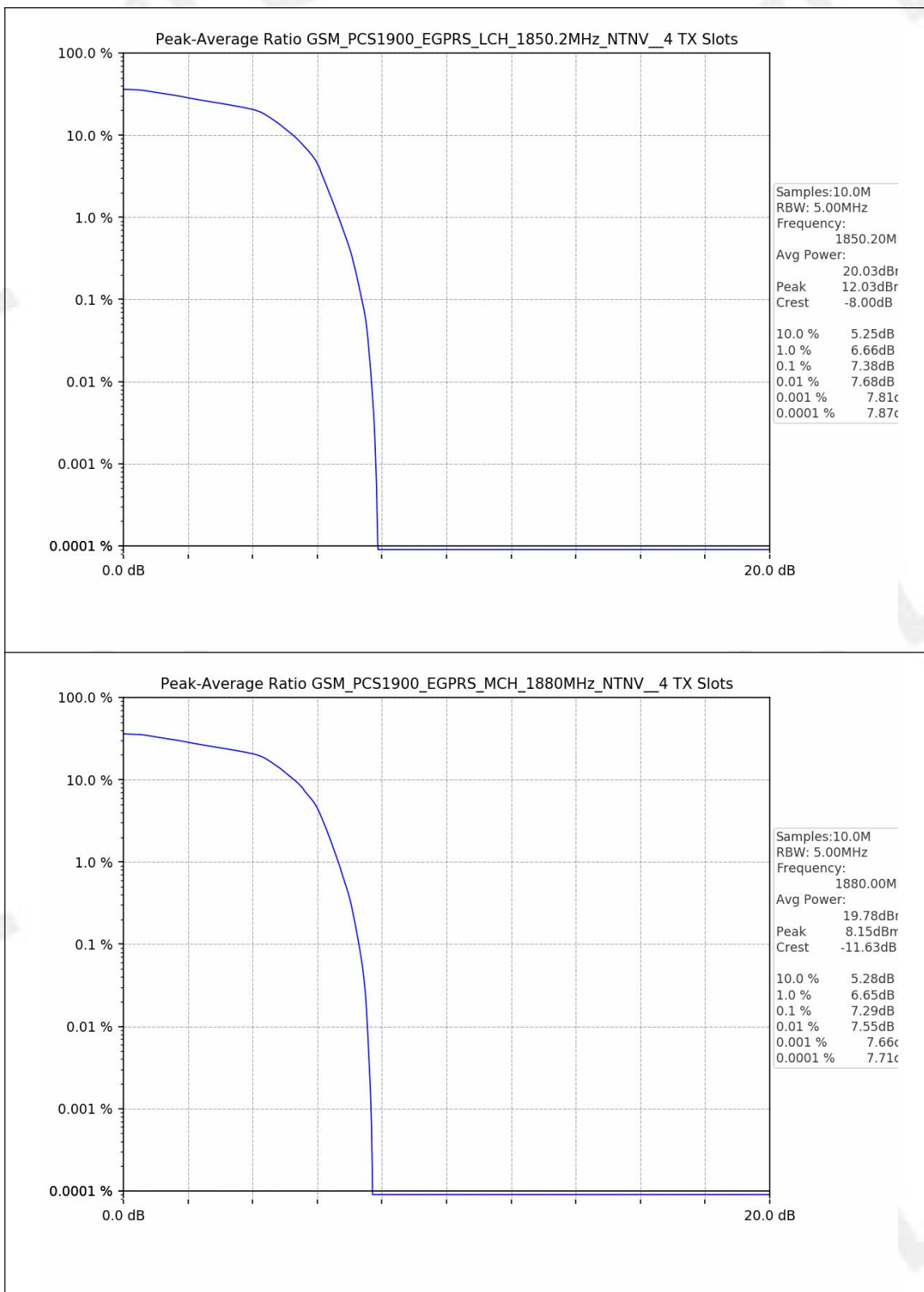
Test Band: PCS1900					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
EGPRS	5.85	5.65	5.59	13	PASS
GPRS	5.89	5.65	5.64	13	PASS
GSM	9.39	9.43	9.72	13	PASS

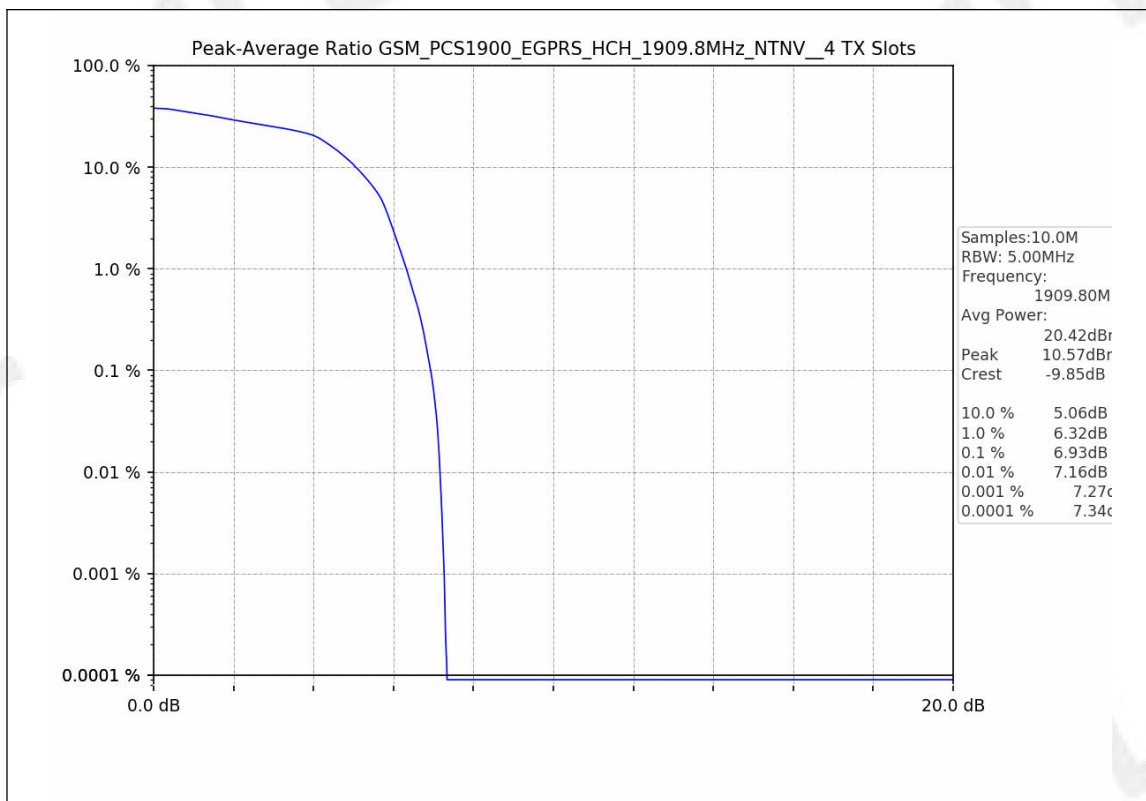
4.2 Test Graph











5. Spurious Emission

5.1 Test Graph

