

Appendix H

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: GSM850											
Test Mode		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
		LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
EGPRS	1 TX Slot	31.05	31.34	31.93	0.85	3.00	31.90	32.19	32.78	38.45	PASS
	2 TX Slots	31.43	31.69	31.27	0.85	3.00	32.28	32.54	32.12	38.45	PASS
	3 TX Slots	29.62	29.98	30.57	0.85	3.00	30.47	30.83	31.42	38.45	PASS
	4 TX Slots	28.49	28.84	29.41	0.85	3.00	29.34	29.69	30.26	38.45	PASS
GPRS	1 TX Slot	31.24	31.38	31.27	0.85	3.00	32.09	32.23	32.12	38.45	PASS
	2 TX Slots	31.66	31.81	31.71	0.85	3.00	32.51	32.66	32.56	38.45	PASS
	3 TX Slots	29.98	30.11	31.05	0.85	3.00	30.83	30.96	31.90	38.45	PASS
	4 TX Slots	28.76	28.91	29.90	0.85	3.00	29.61	29.76	30.75	38.45	PASS
GSM	GSM	31.91	31.23	31.74	0.85	3.00	32.76	32.08	32.59	38.45	PASS

Note:
 1) dBd = dBi - 2.15
 2) EIRP = Conducted output power + Antenna gain (dBi)
 3) ERP = Conducted output power + Antenna gain (dBd)

2. Frequency stability

2.1 Test Result

Test Band: GSM850 (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	-10.6543	-14.5932	-12.3655	-0.0129	-0.0174	-0.0146	2.50	PASS
		NV	-8.8140	-11.0740	-12.3655	-0.0107	-0.0132	-0.0146	2.50	PASS
		HV	-10.4283	-12.2686	-25.0861	-0.0127	-0.0147	-0.0296	2.50	PASS
GPRS	NT	LV	-30.4778	-30.2518	-26.4744	-0.0370	-0.0362	-0.0312	2.50	PASS
		NV	-30.7684	-27.4753	-26.9587	-0.0373	-0.0328	-0.0318	2.50	PASS
		HV	-30.9944	-26.0870	-28.4116	-0.0376	-0.0312	-0.0335	2.50	PASS
GSM	NT	LV	-26.9587	-23.5687	-21.5347	-0.0327	-0.0282	-0.0254	2.50	PASS
		NV	-25.3767	-24.7632	-21.8898	-0.0308	-0.0296	-0.0258	2.50	PASS
		HV	-23.2458	-25.7964	-23.3104	-0.0282	-0.0308	-0.0275	2.50	PASS

Test Band: GSM850 (Frequency Error VS. Temperature)						
Test	Test Volt.	Test	Freq. Error (Hz)	Freq. vs. rated (ppm)	Limit	Verdict

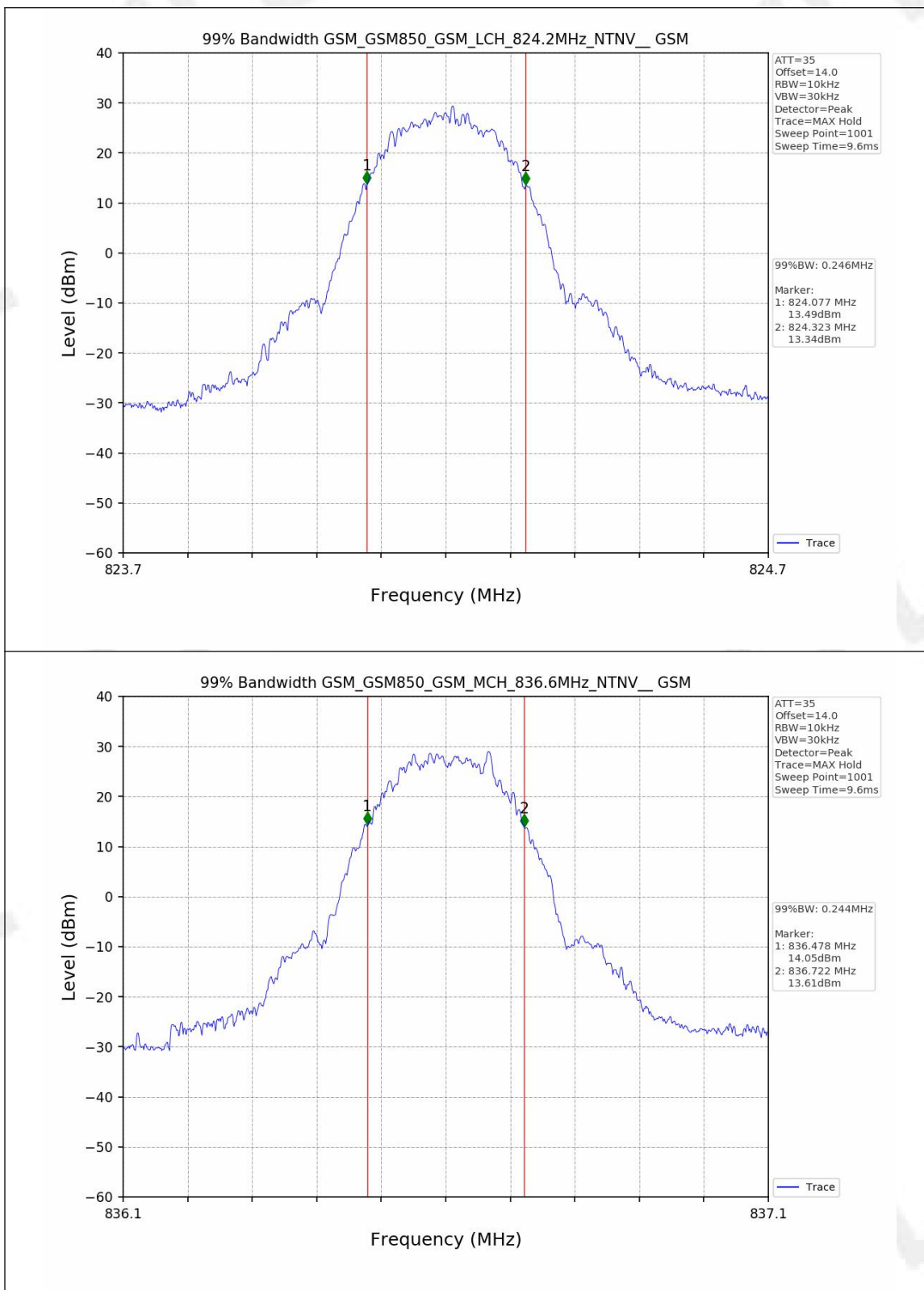
Mode		Temp.	LCH	MCH	HCH	LCH	MCH	HCH	(ppm)	
EGPRS	NV	-30.00	-8.3943	-11.9780	-13.4955	-0.0102	-0.0143	-0.0159	2.50	PASS
		-20.00	-8.4266	-14.2381	-15.5618	-0.0102	-0.0170	-0.0183	2.50	PASS
		-10.00	-10.2023	-10.3960	-13.0435	-0.0124	-0.0124	-0.0154	2.50	PASS
		0.00	-10.6866	-11.8166	-13.2372	-0.0130	-0.0141	-0.0156	2.50	PASS
		10.00	-10.5898	-10.6866	-11.8489	-0.0128	-0.0128	-0.0140	2.50	PASS
		20.00	-12.3009	-12.0426	-29.3156	-0.0149	-0.0144	-0.0345	2.50	PASS
		30.00	-10.3960	-12.4623	-11.2355	-0.0126	-0.0149	-0.0132	2.50	PASS
		40.00	-7.9100	-14.4318	-14.8515	-0.0096	-0.0173	-0.0175	2.50	PASS
		50.00	-11.0095	-11.5260	-9.9118	-0.0134	-0.0138	-0.0117	2.50	PASS
GPRS	NV	-30.00	-31.0913	-28.7990	-27.6690	-0.0377	-0.0344	-0.0326	2.50	PASS
		-20.00	-30.5101	-30.5747	-27.2170	-0.0370	-0.0365	-0.0321	2.50	PASS
		-10.00	-32.3504	-28.7021	-26.7650	-0.0393	-0.0343	-0.0315	2.50	PASS
		0.00	-30.6716	-29.4447	-20.1141	-0.0372	-0.0352	-0.0237	2.50	PASS
		10.00	-28.6698	-28.7344	-31.9307	-0.0348	-0.0343	-0.0376	2.50	PASS
		20.00	-31.2204	-28.5730	-28.5407	-0.0379	-0.0342	-0.0336	2.50	PASS
		30.00	-31.6724	-27.6690	-28.3470	-0.0384	-0.0331	-0.0334	2.50	PASS
		40.00	-30.5747	-31.8661	-19.4038	-0.0371	-0.0381	-0.0229	2.50	PASS
		50.00	-30.2518	-28.7344	-10.9126	-0.0367	-0.0343	-0.0129	2.50	PASS
GSM	NV	-30.00	-24.0530	-20.9212	-23.8915	-0.0292	-0.0250	-0.0281	2.50	PASS
		-20.00	-23.4718	-22.4064	-21.0827	-0.0285	-0.0268	-0.0248	2.50	PASS
		-10.00	-23.9238	-22.9875	-22.6001	-0.0290	-0.0275	-0.0266	2.50	PASS
		0.00	-23.1167	-24.2467	-21.7607	-0.0280	-0.0290	-0.0256	2.50	PASS
		10.00	-26.0870	-24.6664	-24.8601	-0.0317	-0.0295	-0.0293	2.50	PASS
		20.00	-26.3452	-24.7310	-21.0504	-0.0320	-0.0296	-0.0248	2.50	PASS
		30.00	-26.2484	-26.1515	-23.9561	-0.0318	-0.0313	-0.0282	2.50	PASS
		40.00	-25.1830	-23.9561	-22.6001	-0.0306	-0.0286	-0.0266	2.50	PASS
		50.00	-25.3121	-23.0198	-23.2458	-0.0307	-0.0275	-0.0274	2.50	PASS

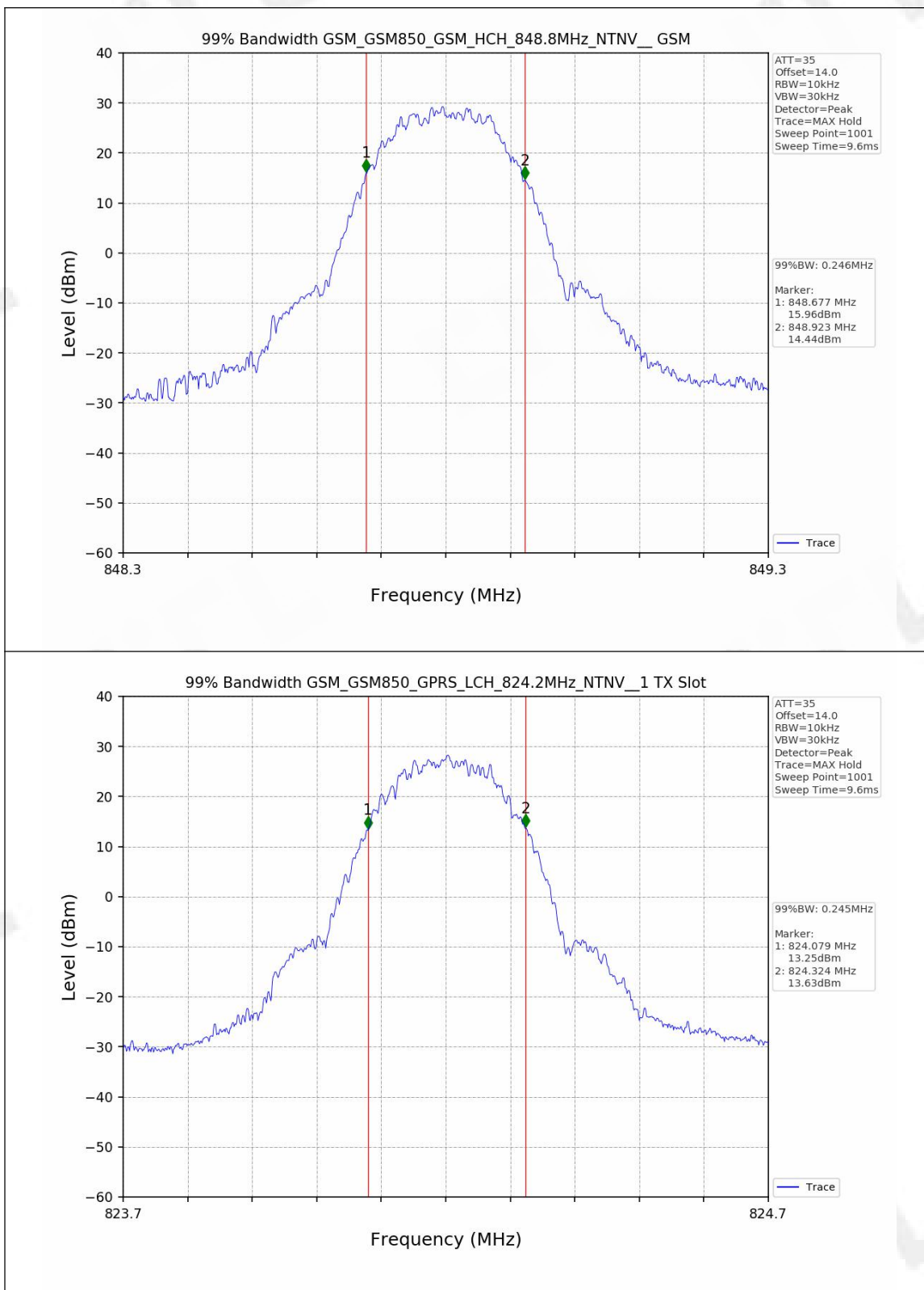
3. 99% & 26dB Bandwidth

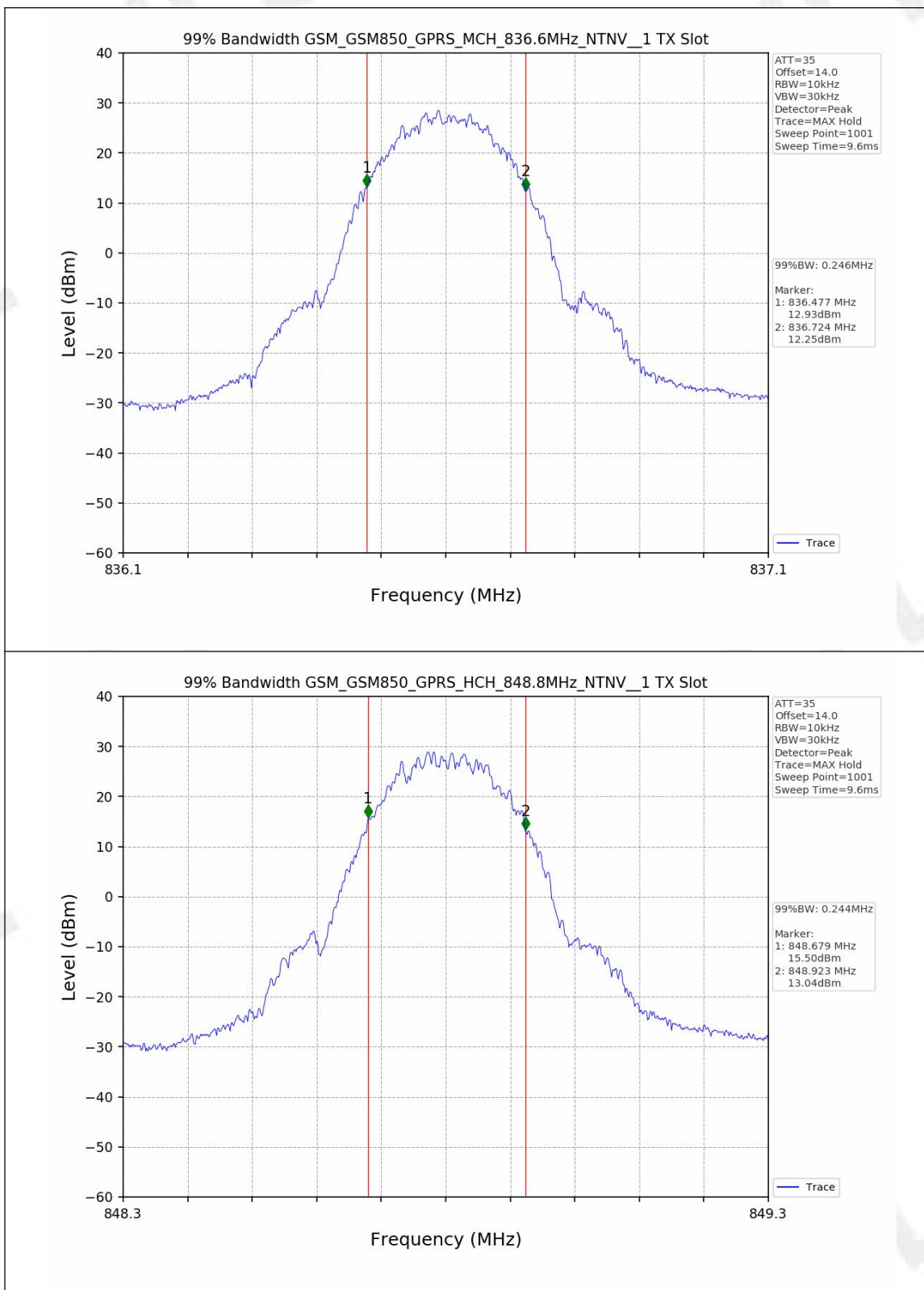
3.1 Test Result

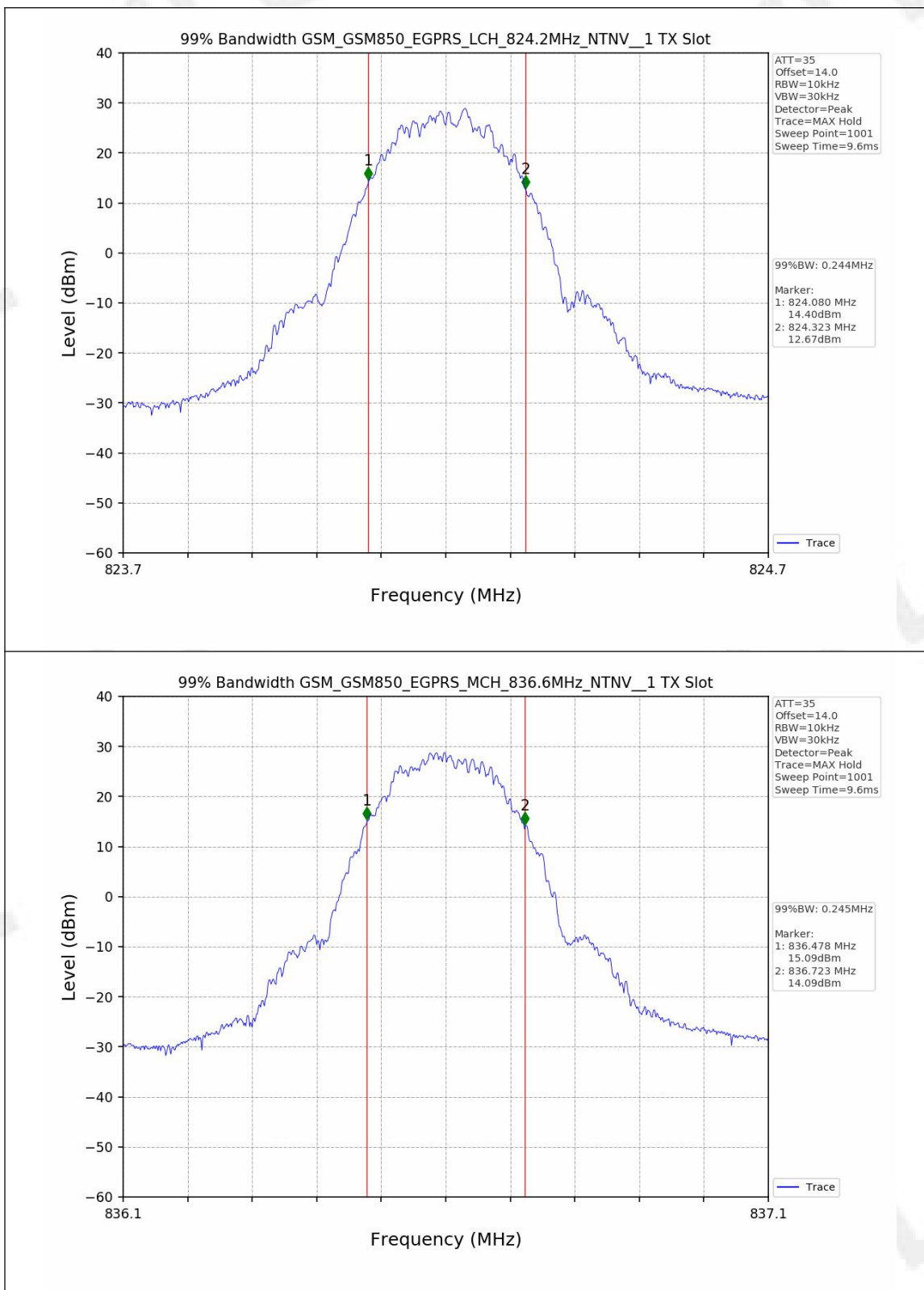
Test Band: GSM850					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.244	0.245	0.247	N/A	PASS
GPRS	0.245	0.246	0.244	N/A	PASS
GSM	0.246	0.244	0.246	N/A	PASS

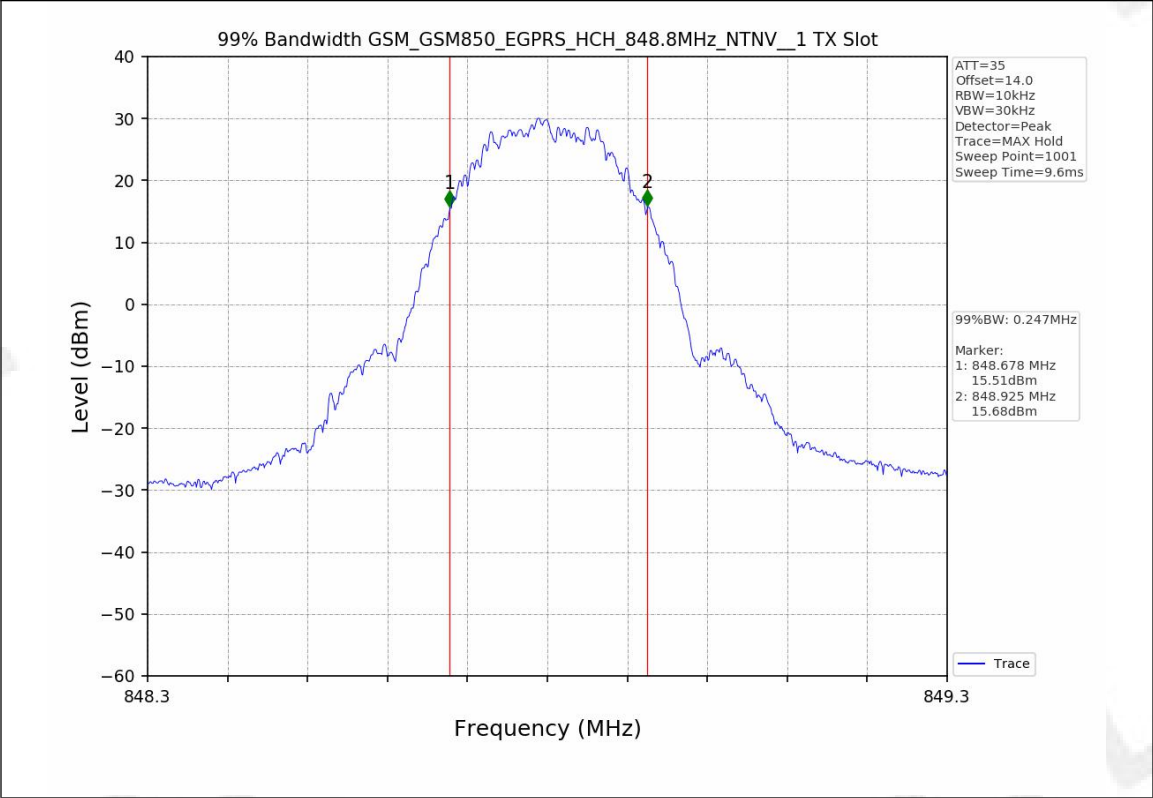
3.2 Test Graph





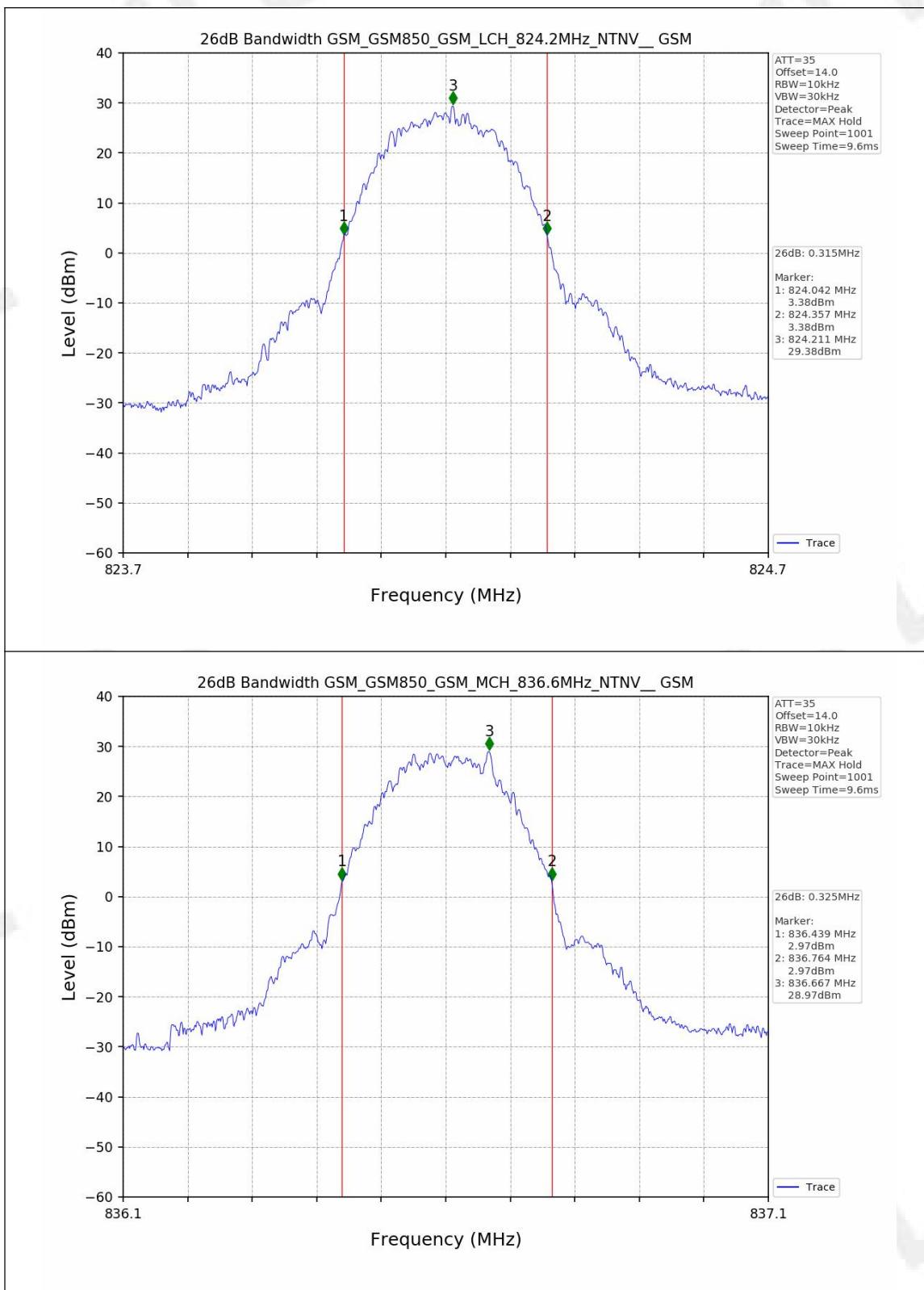


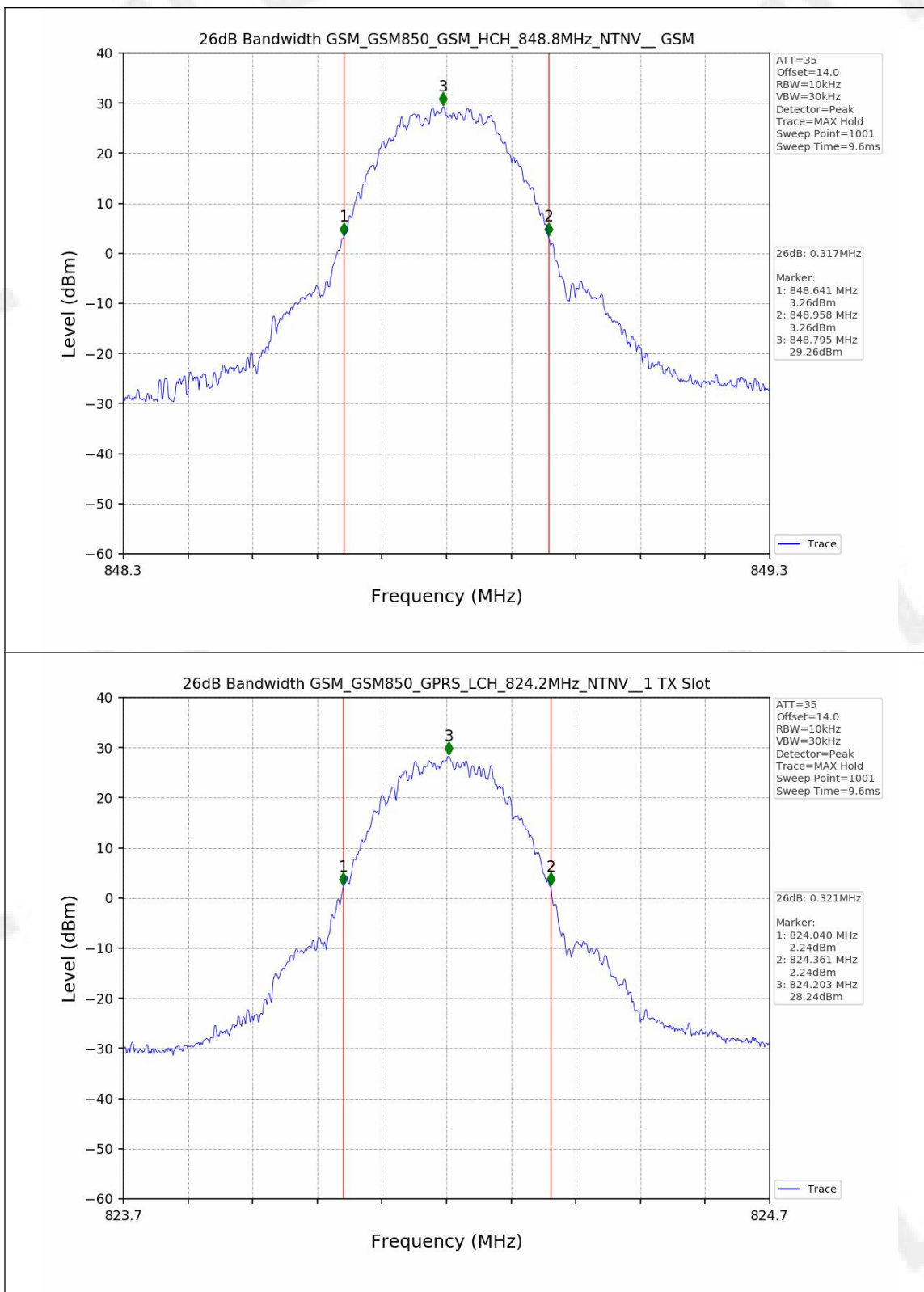


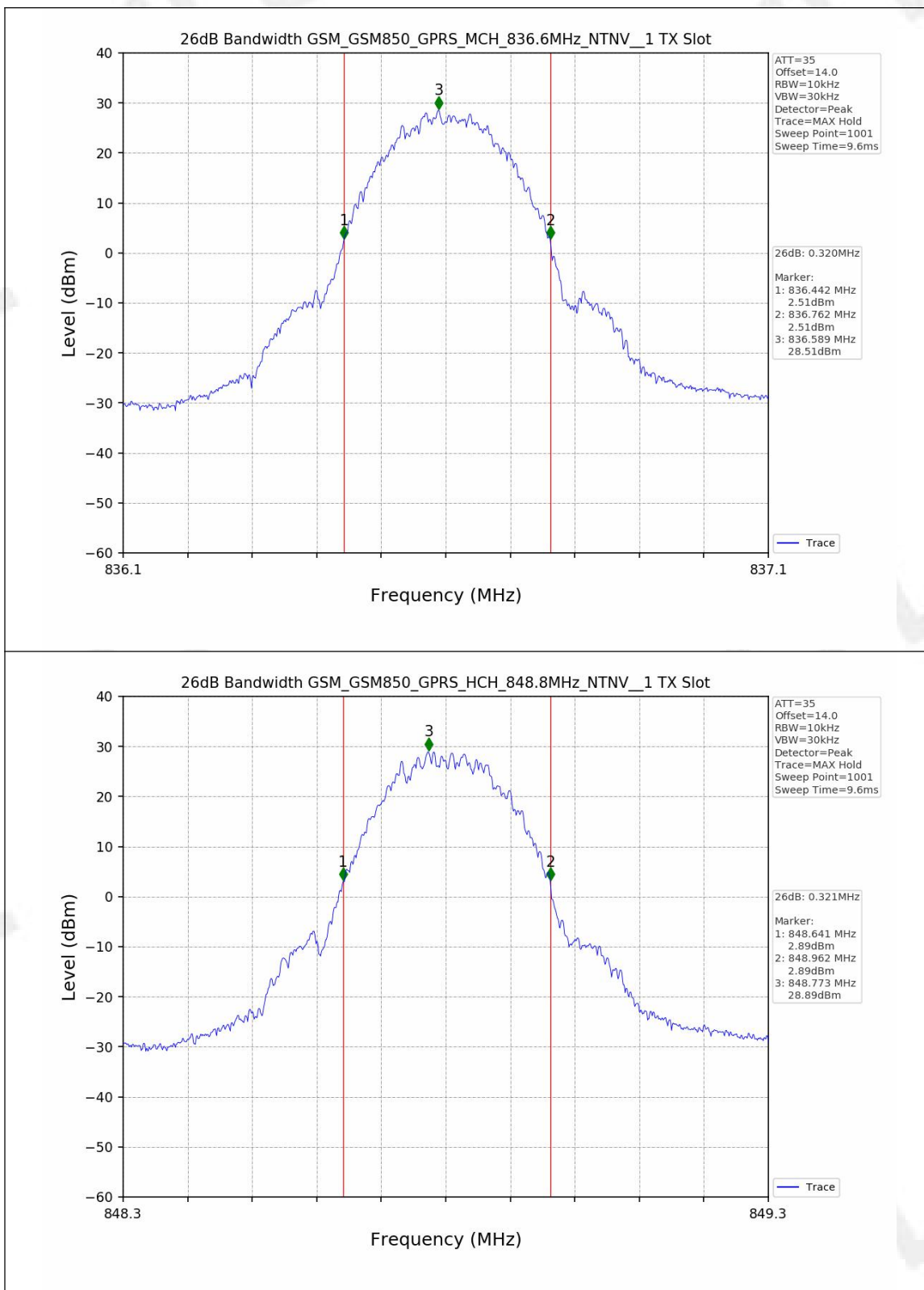


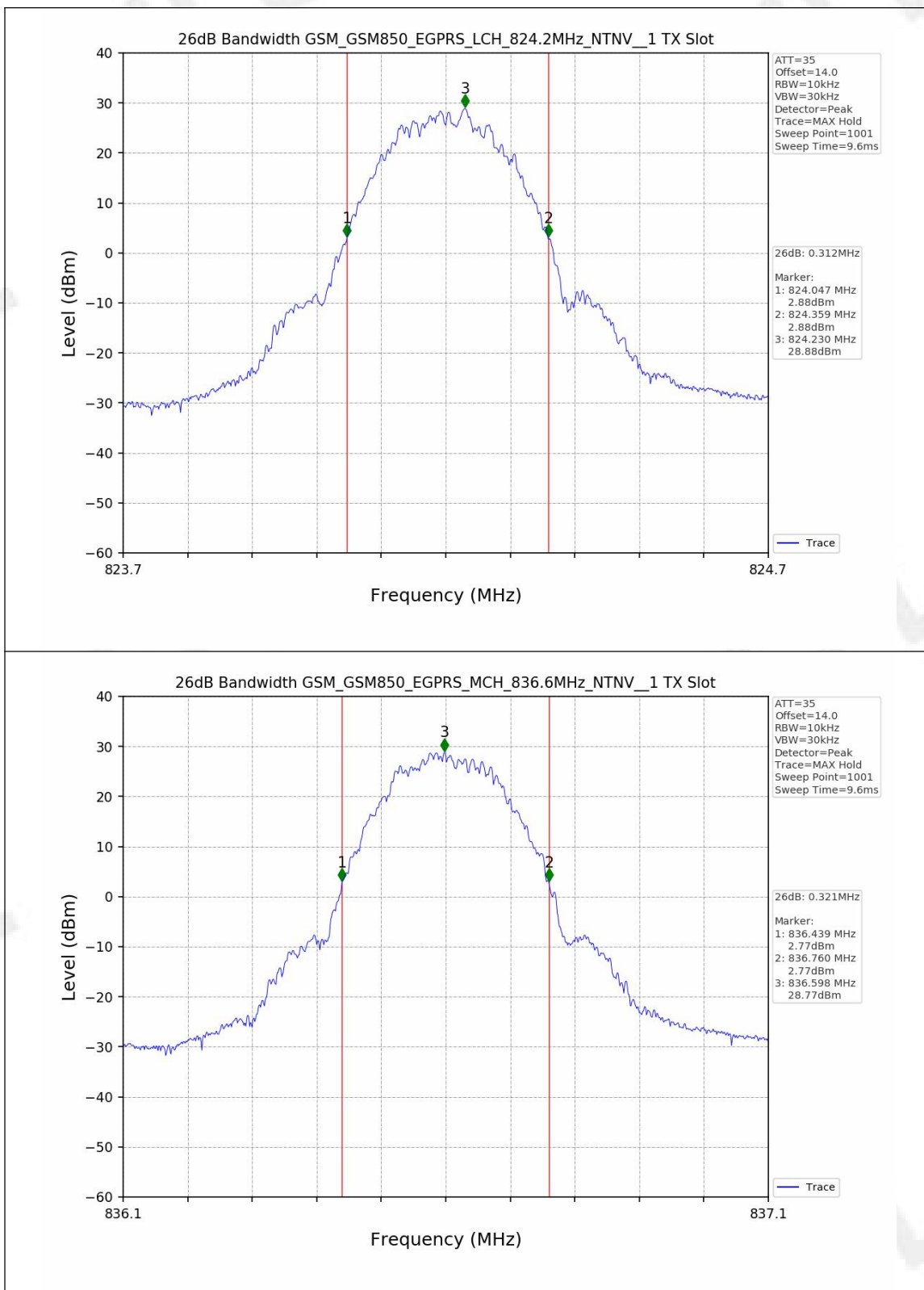
Test Band: GSM850					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
EGPRS	0.312	0.321	0.318	N/A	PASS
GPRS	0.321	0.320	0.321	N/A	PASS
GSM	0.315	0.325	0.317	N/A	PASS

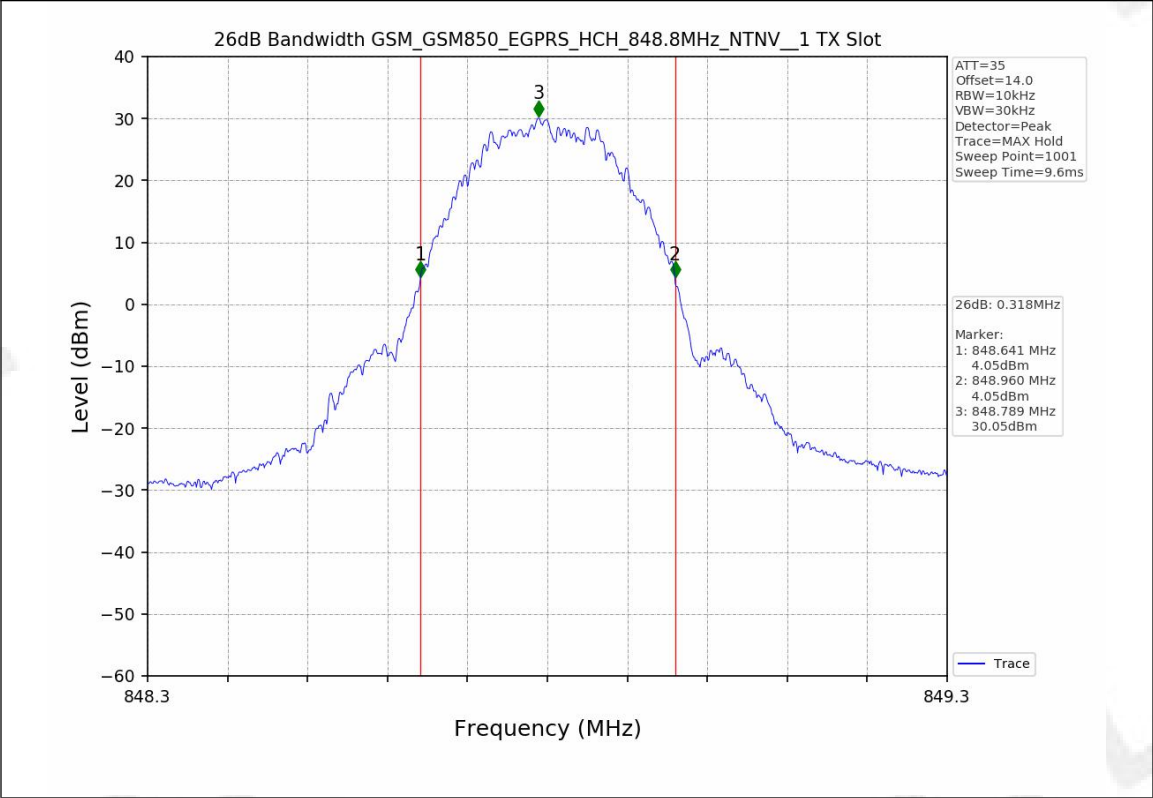
3.2 Test Graph









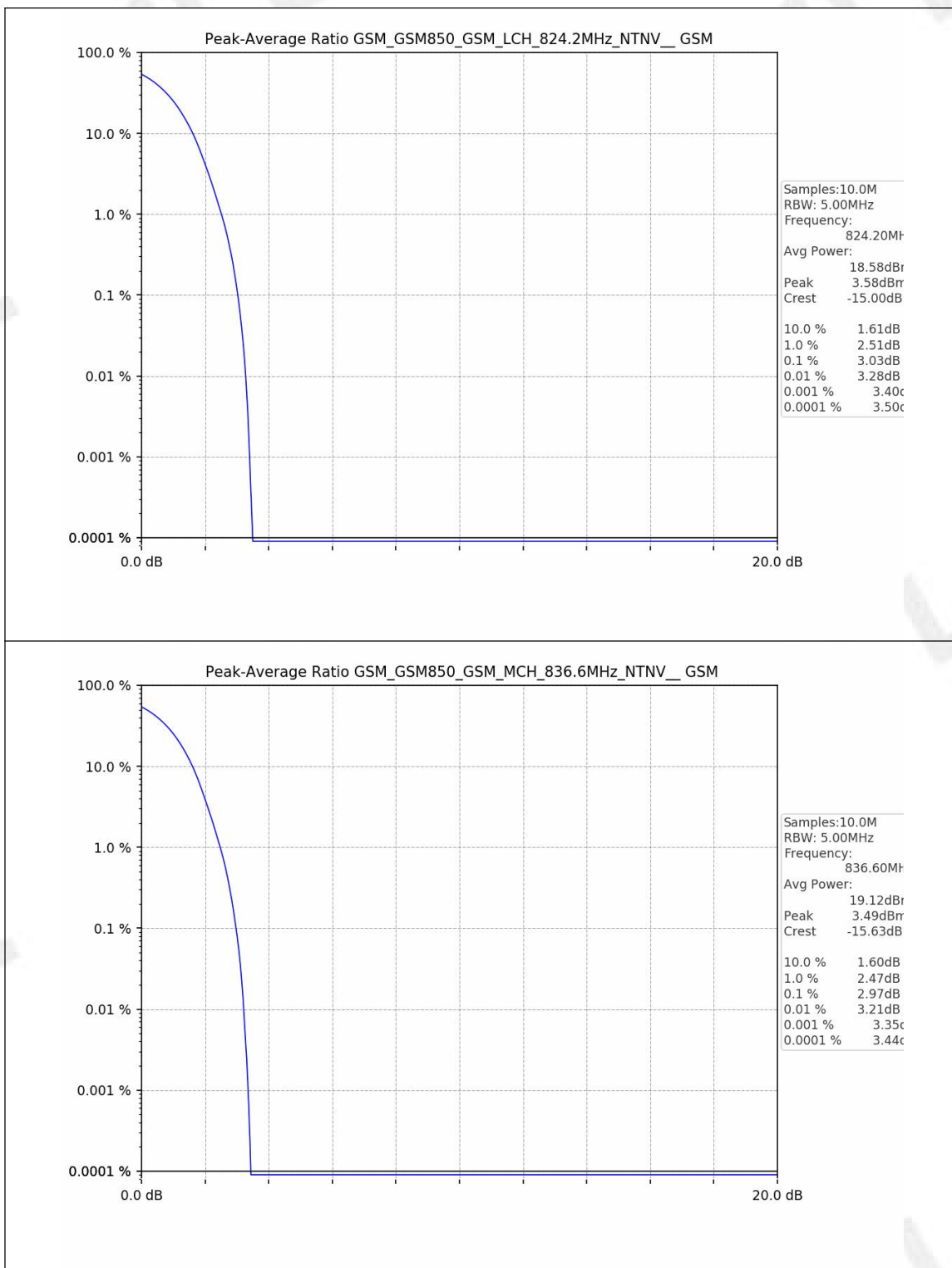


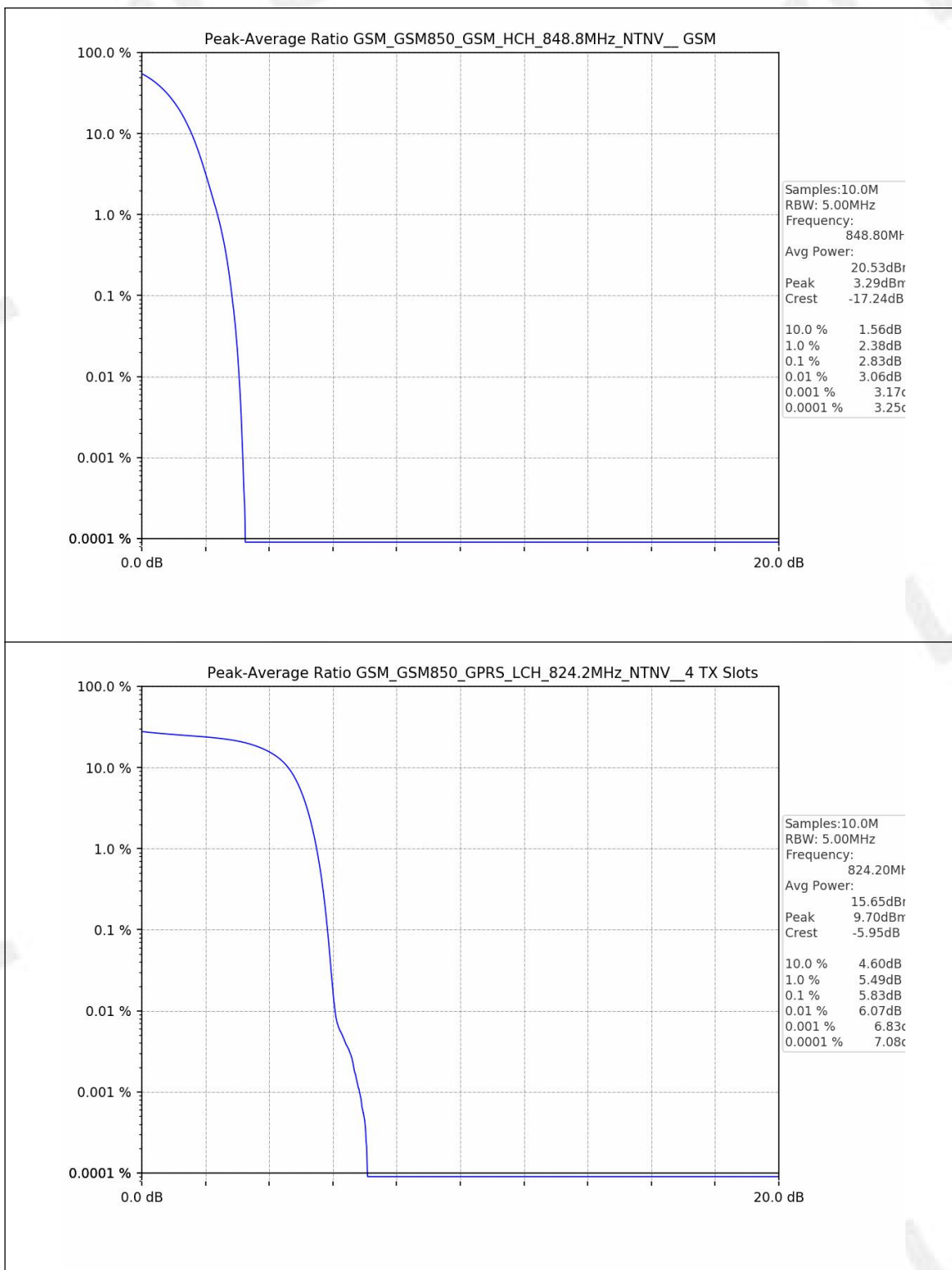
4. Peak-Average Ratio

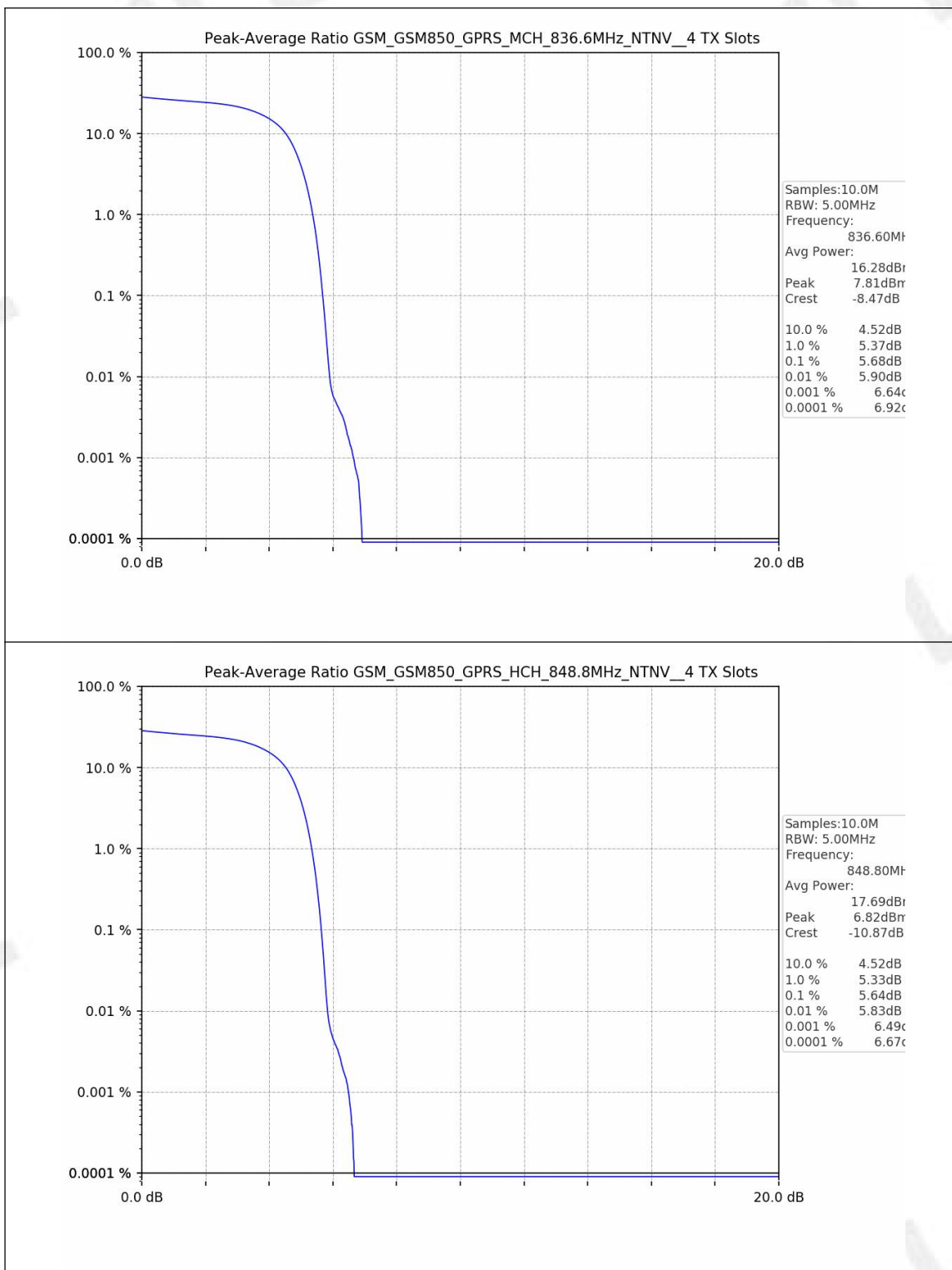
4.1 Test Result

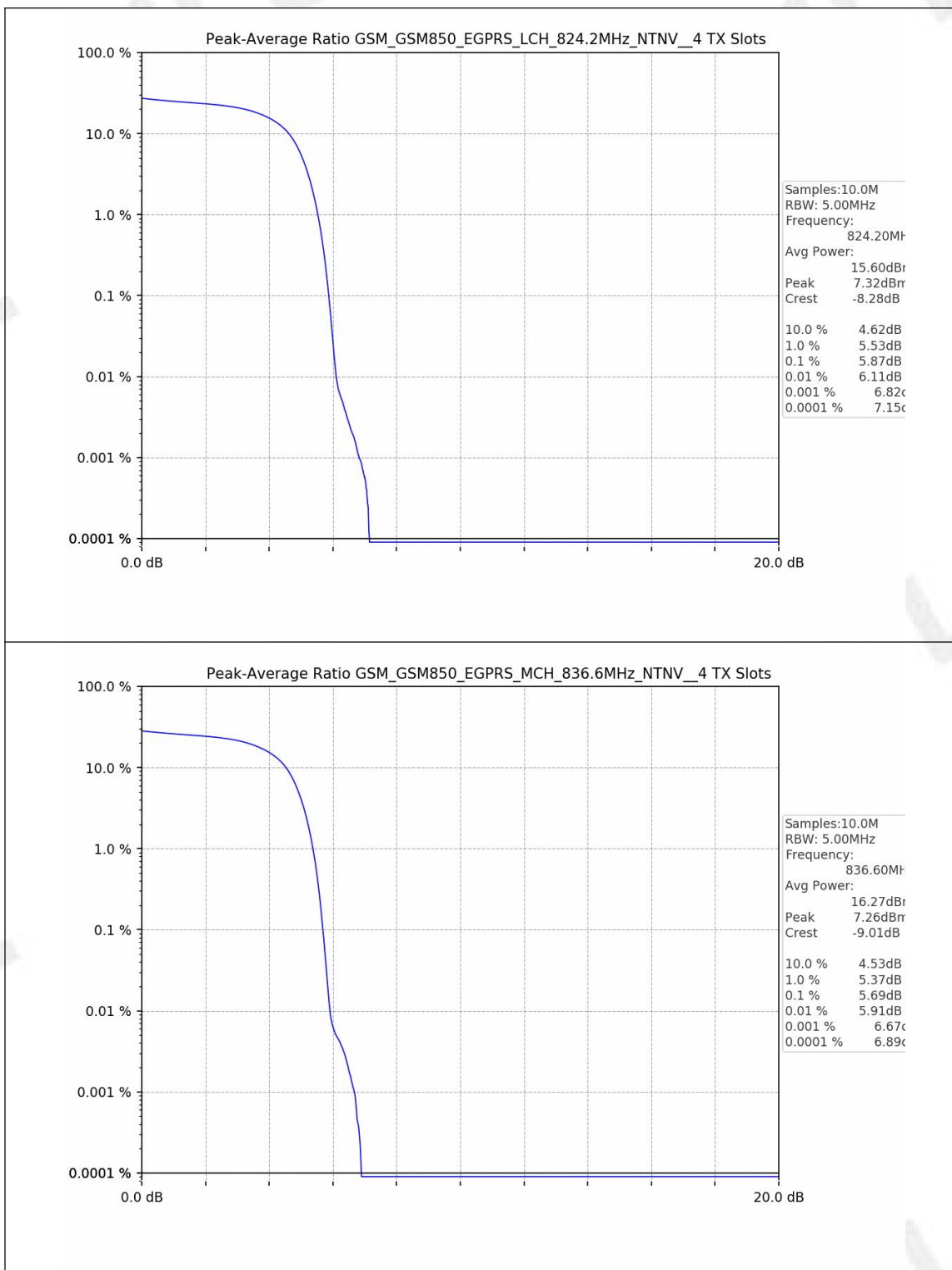
Test Band: GSM850					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
EGPRS	5.87	5.69	5.64	13	PASS
GPRS	5.83	5.68	5.64	13	PASS
GSM	3.03	2.97	2.83	13	PASS

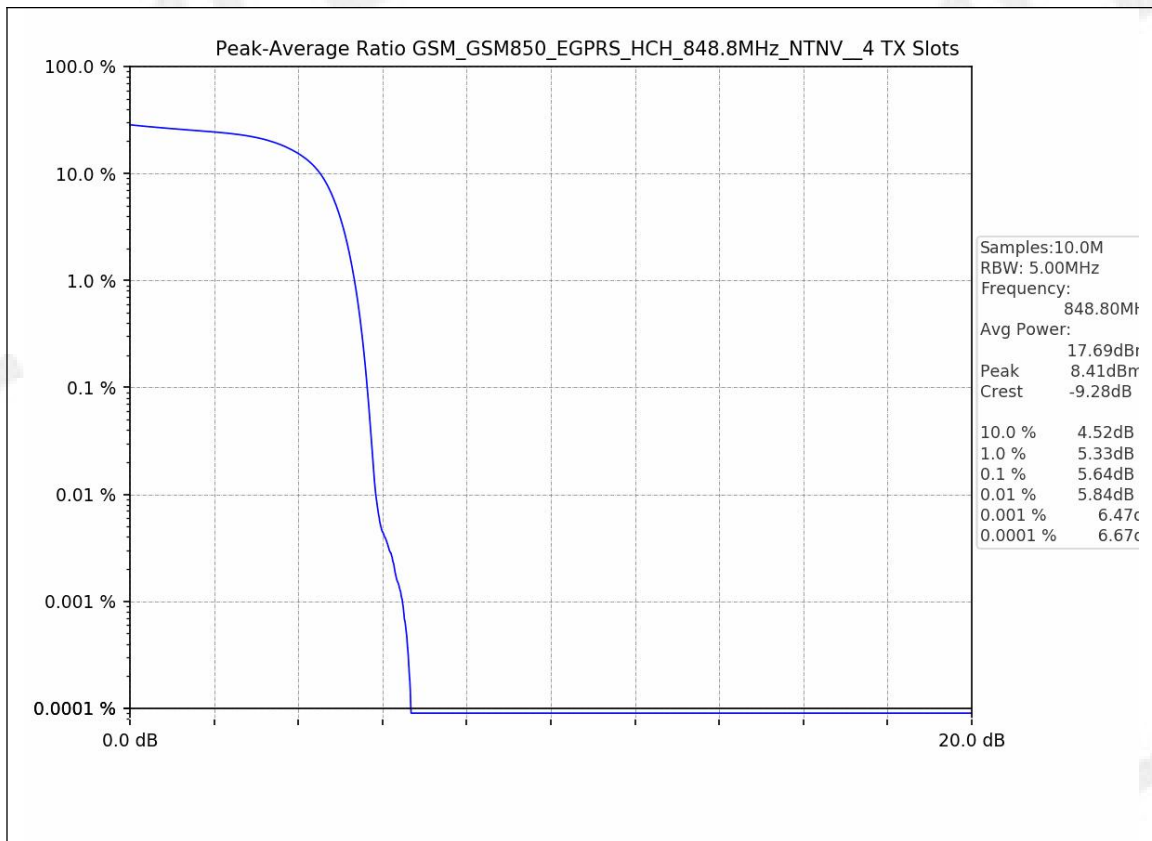
4.2 Test Graph











5. Spurious Emission

5.1 Test Graph

