



Shenzhen CTL Testing Technology Co., Ltd.

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Appendix A

Product Name: Siyata SD7

Model: SD7



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1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: 2											
Test Mode		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
		LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
HSUPA	Subtest 1	20.90	19.04	20.99	/	0.37	21.27	19.41	21.36	33.01	PASS
	Subtest 2	21.20	18.77	20.70	/	0.37	21.57	19.14	21.07	33.01	PASS
	Subtest 3	21.38	19.27	21.24	/	0.37	21.75	19.64	21.61	33.01	PASS
	Subtest 4	20.91	18.75	20.71	/	0.37	21.28	19.12	21.08	33.01	PASS
	Subtest 5	20.91	18.75	20.76	/	0.37	21.28	19.12	21.13	33.01	PASS
HSDPA	Subtest 1	20.92	19.24	20.89	/	0.37	21.29	19.61	21.26	33.01	PASS
	Subtest 2	21.41	19.28	21.52	/	0.37	21.78	19.65	21.89	33.01	PASS
	Subtest 3	21.22	19.34	21.28	/	0.37	21.59	19.71	21.65	33.01	PASS
	Subtest 4	20.87	19.07	20.73	/	0.37	21.24	19.44	21.10	33.01	PASS
RMC	12.2kbps RMC	25.52	23.44	25.34	/	0.37	25.89	23.81	25.71	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: 2 (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		
HSUPA	NT	LV	15.9931	9.7990	5.3215	0.0086	0.0052	0.0028	2.50	PASS
		NV	15.0990	9.9134	4.9496	0.0082	0.0053	0.0026	2.50	PASS
		HV	14.9202	9.2411	5.3859	0.0081	0.0049	0.0028	2.50	PASS
HSDPA	NT	LV	15.8501	9.1052	4.8351	0.0086	0.0048	0.0025	2.50	PASS
		NV	15.4495	9.7132	5.8365	0.0083	0.0052	0.0031	2.50	PASS
		HV	14.6198	9.9778	5.5075	0.0079	0.0053	0.0029	2.50	PASS
RMC	NT	LV	10.1996	9.1124	8.0752	0.0055	0.0048	0.0042	2.50	PASS
		NV	10.0279	9.6631	8.2612	0.0054	0.0051	0.0043	2.50	PASS
		HV	11.1365	9.9707	8.1038	0.0060	0.0053	0.0042	2.50	PASS

Test Band: 2 (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		
HSUPA	NV	-30.00	14.3623	10.0994	5.7578	0.0078	0.0054	0.0030	2.50	PASS
		-20.00	15.6355	10.0493	6.0725	0.0084	0.0053	0.0032	2.50	PASS
		-10.00	15.3136	10.2782	5.5075	0.0083	0.0055	0.0029	2.50	PASS
		0.00	15.3351	10.5071	5.2428	0.0083	0.0056	0.0027	2.50	PASS
		10.00	15.8143	9.3842	5.7149	0.0085	0.0050	0.0030	2.50	PASS
		20.00	15.2135	8.8263	5.3930	0.0082	0.0047	0.0028	2.50	PASS
		30.00	15.4567	10.2139	5.1212	0.0083	0.0054	0.0027	2.50	PASS
		40.00	15.3637	10.1566	5.0569	0.0083	0.0054	0.0027	2.50	PASS
		50.00	14.3480	10.1137	5.7292	0.0077	0.0054	0.0030	2.50	PASS
HSDPA	NV	-30.00	15.7571	10.2711	6.1440	0.0085	0.0055	0.0032	2.50	PASS
		-20.00	15.5497	11.4512	6.4516	0.0084	0.0061	0.0034	2.50	PASS
		-10.00	16.6512	9.5701	5.3430	0.0090	0.0051	0.0028	2.50	PASS
		0.00	15.8930	9.4700	5.2357	0.0086	0.0050	0.0027	2.50	PASS
		10.00	16.3508	9.6631	5.3072	0.0088	0.0051	0.0028	2.50	PASS
		20.00	15.0347	9.6273	5.6005	0.0081	0.0051	0.0029	2.50	PASS
		30.00	15.0204	11.0578	5.7793	0.0081	0.0059	0.0030	2.50	PASS
		40.00	15.0490	9.4843	6.1655	0.0081	0.0050	0.0032	2.50	PASS
		50.00	16.6297	10.9005	5.2571	0.0090	0.0058	0.0028	2.50	PASS
RMC	NV	-30.00	9.9278	9.2912	7.9322	0.0054	0.0049	0.0042	2.50	PASS
		-20.00	10.5572	9.1910	8.3184	0.0057	0.0049	0.0044	2.50	PASS
		-10.00	10.5071	9.5701	7.5316	0.0057	0.0051	0.0039	2.50	PASS
		0.00	10.9577	9.5272	7.5173	0.0059	0.0051	0.0039	2.50	PASS
		10.00	10.4785	10.1352	8.2397	0.0057	0.0054	0.0043	2.50	PASS
		20.00	10.3426	10.5214	7.8249	0.0056	0.0056	0.0041	2.50	PASS
		30.00	10.8647	10.3211	7.8320	0.0059	0.0055	0.0041	2.50	PASS
		40.00	10.5500	10.7646	7.6890	0.0057	0.0057	0.0040	2.50	PASS
		50.00	11.2653	10.3283	8.4257	0.0061	0.0055	0.0044	2.50	PASS

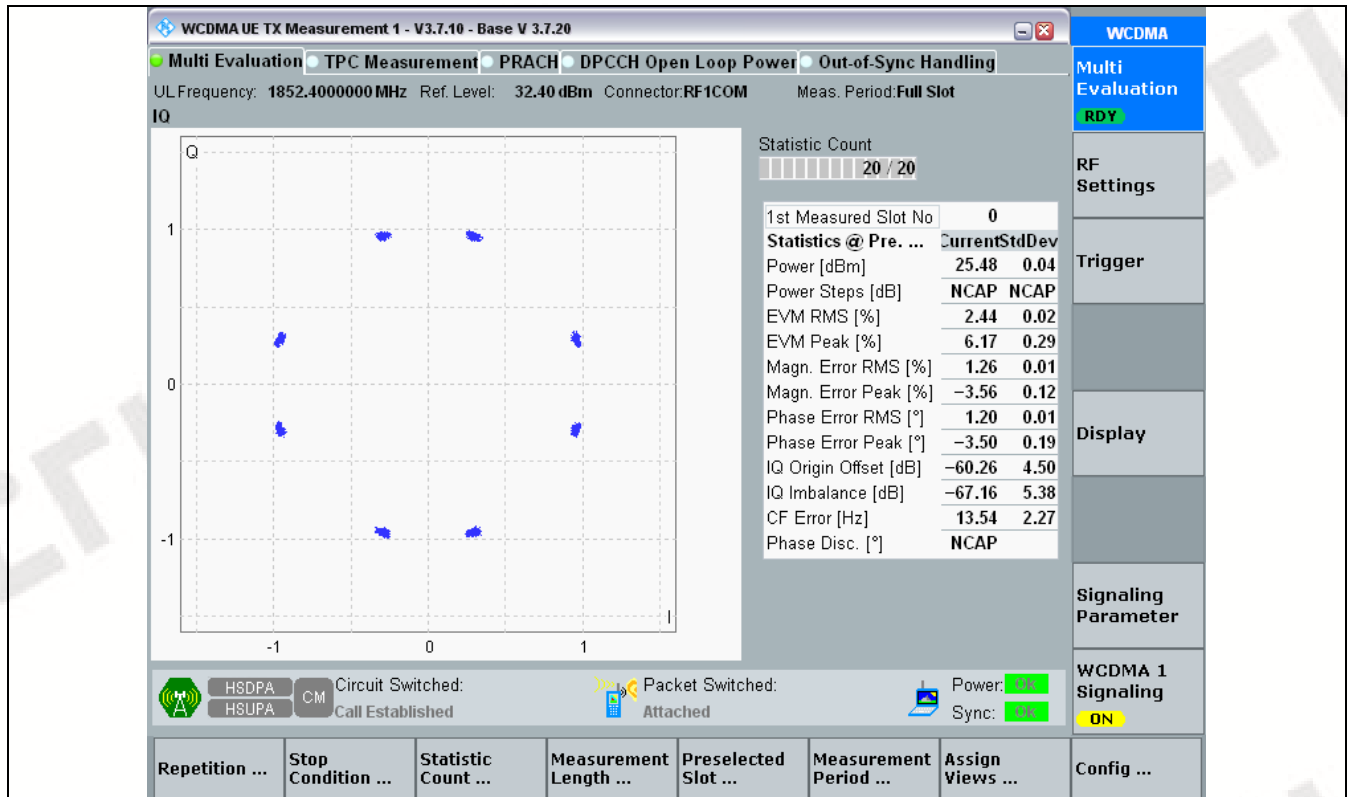


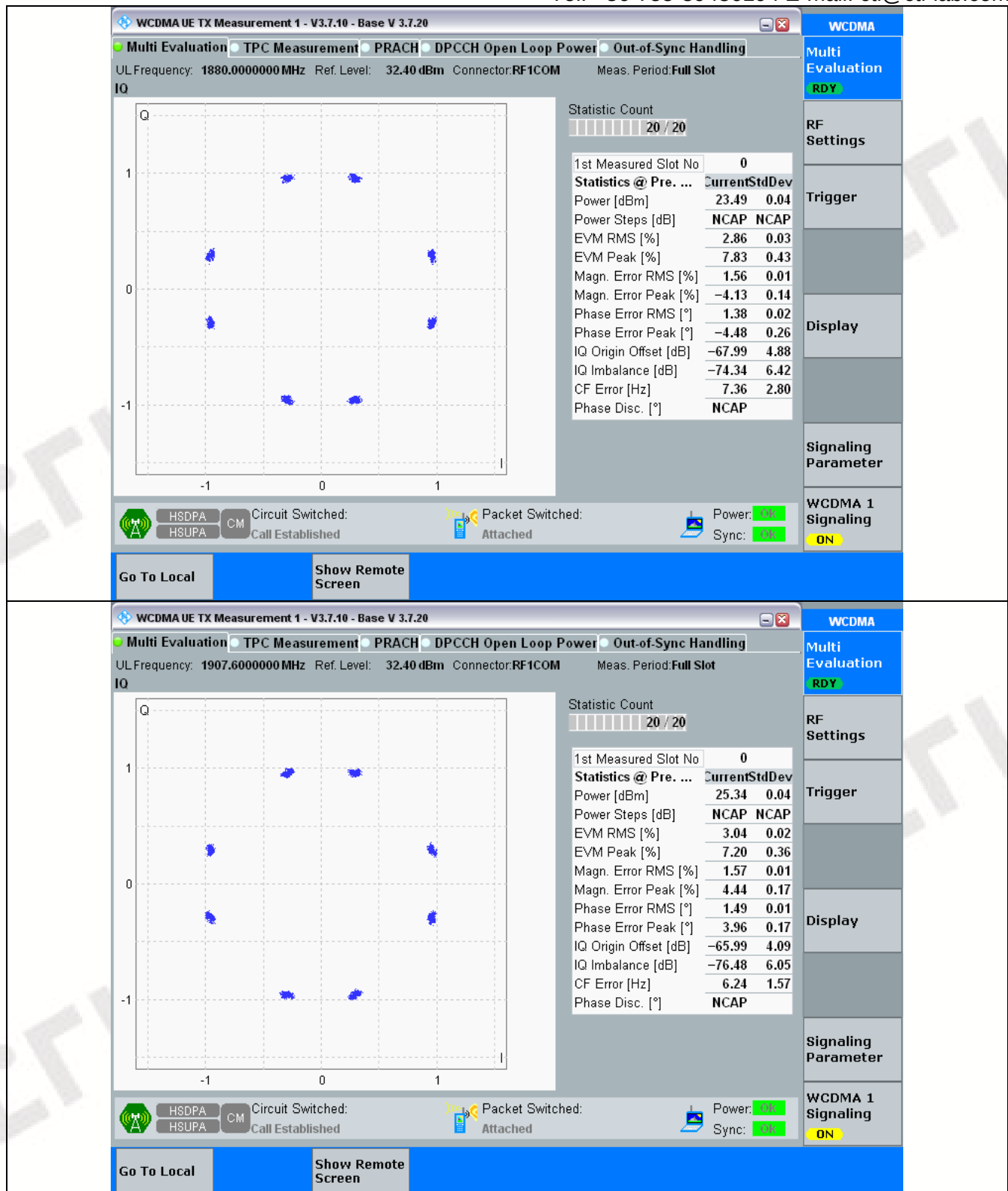
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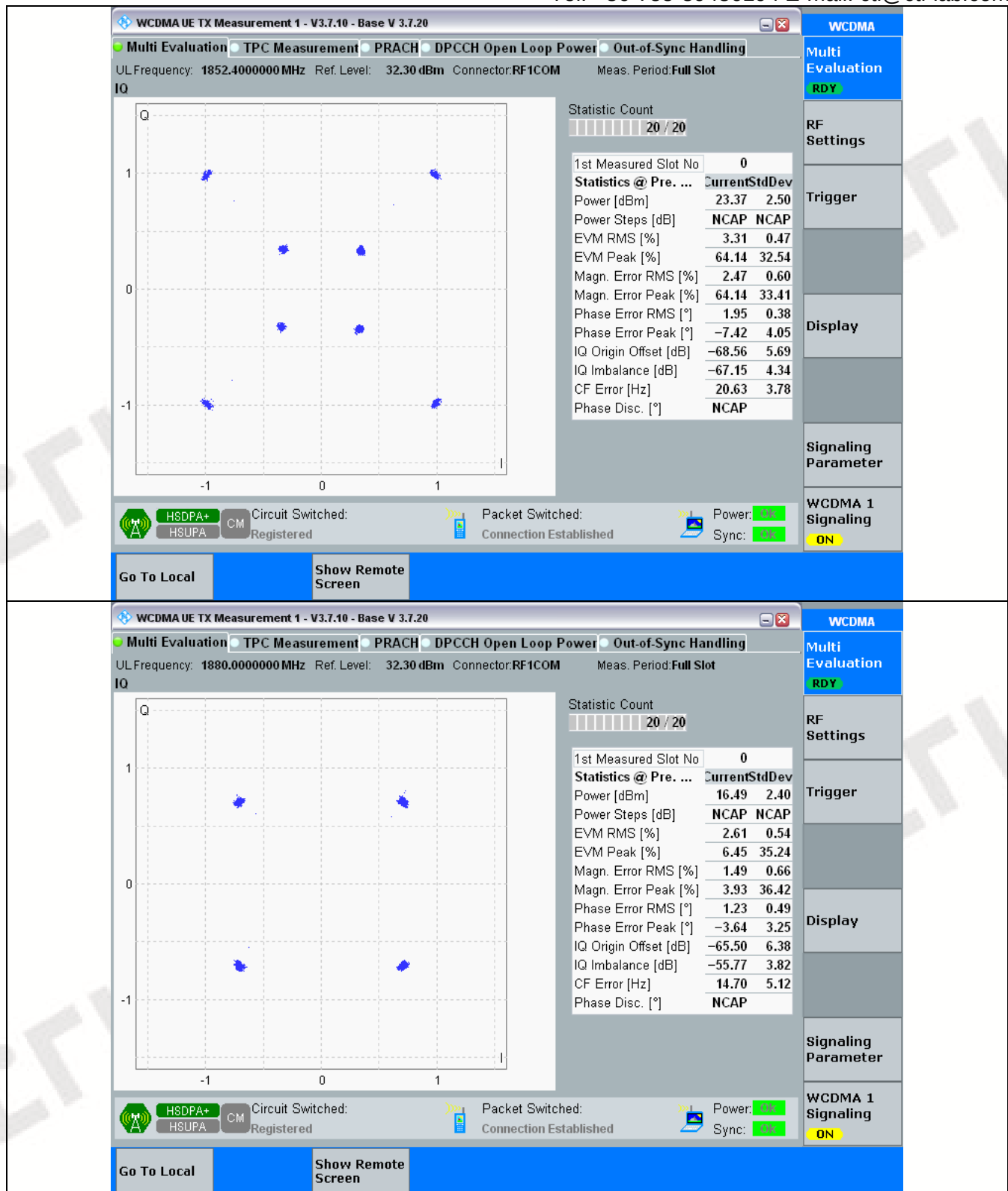
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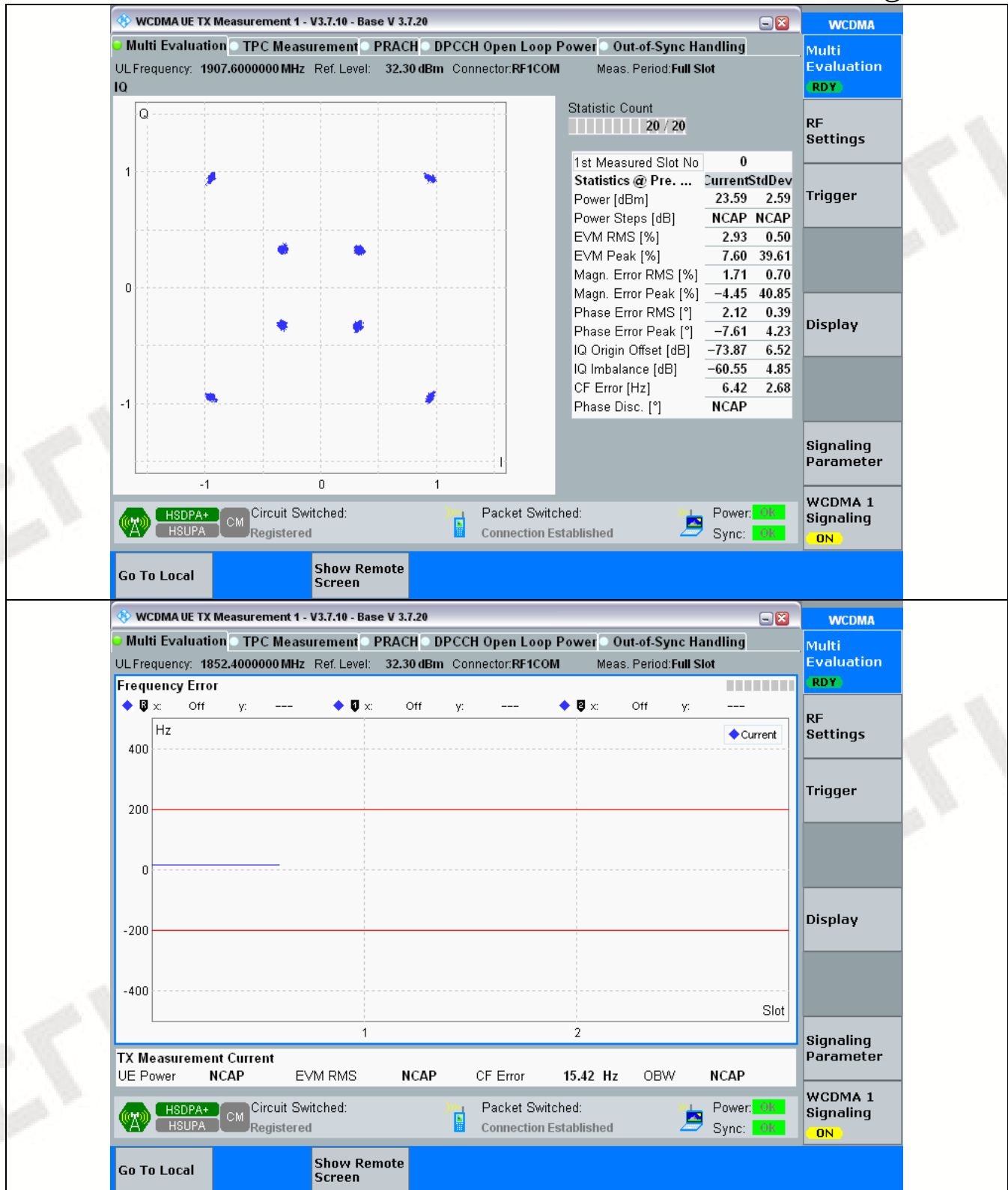
3. Modulation Characteristics

3.1 Test Graph





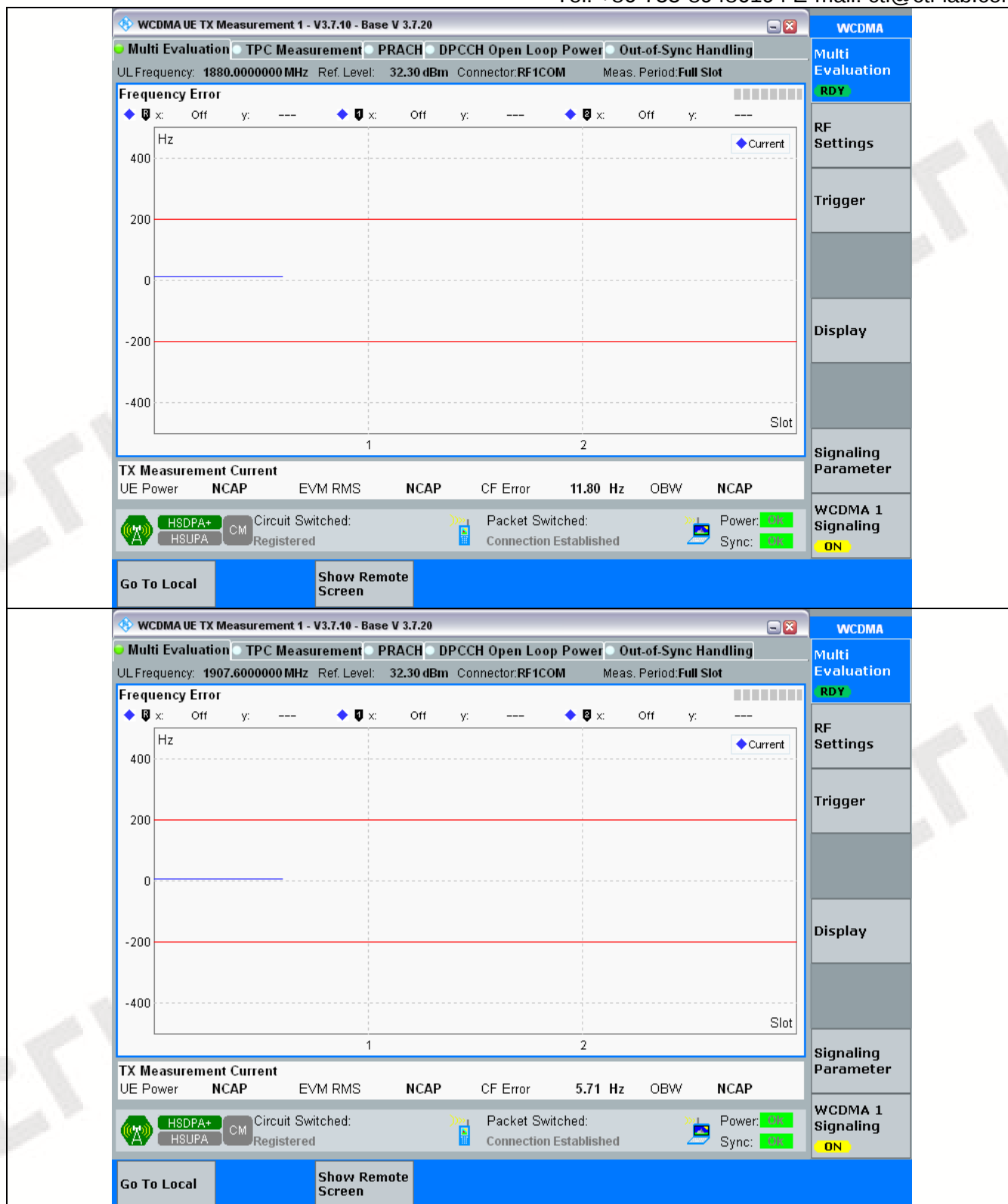






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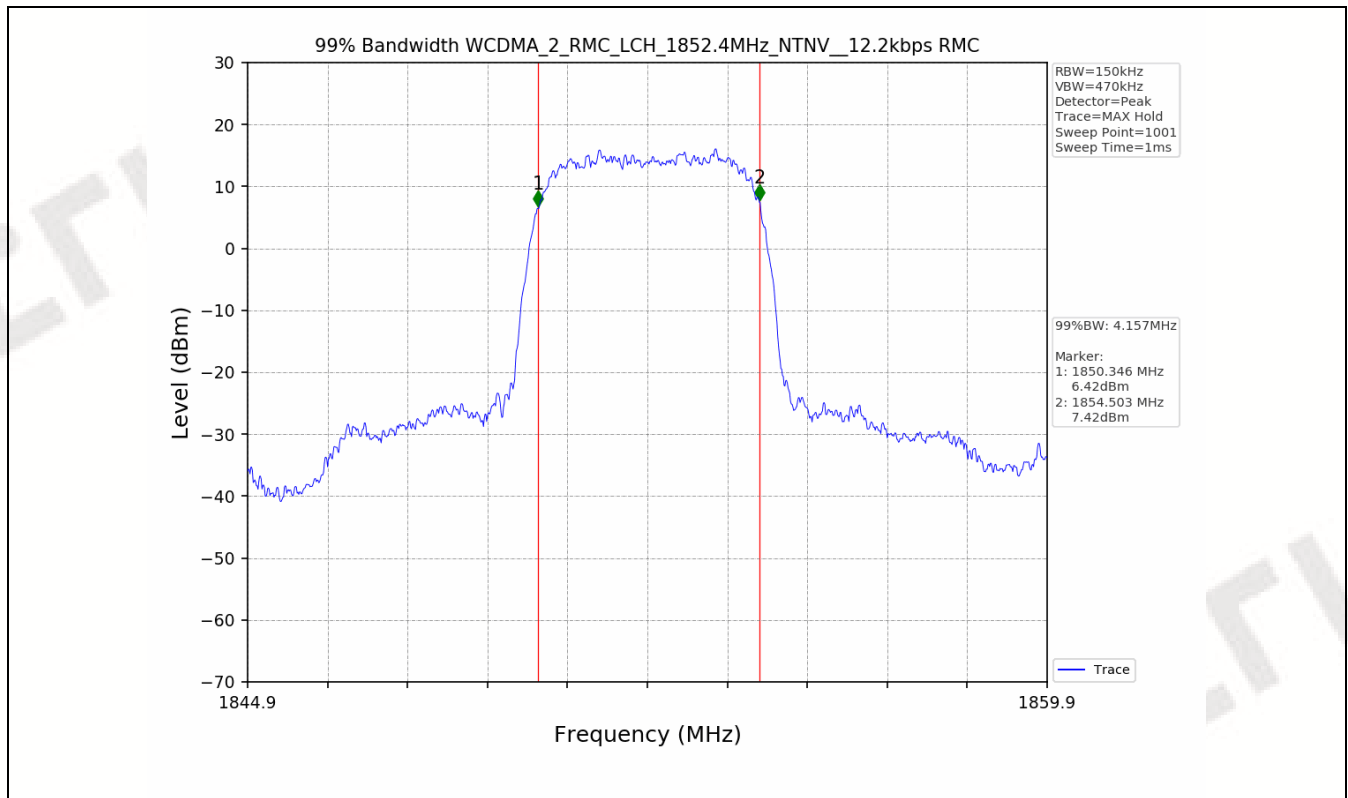


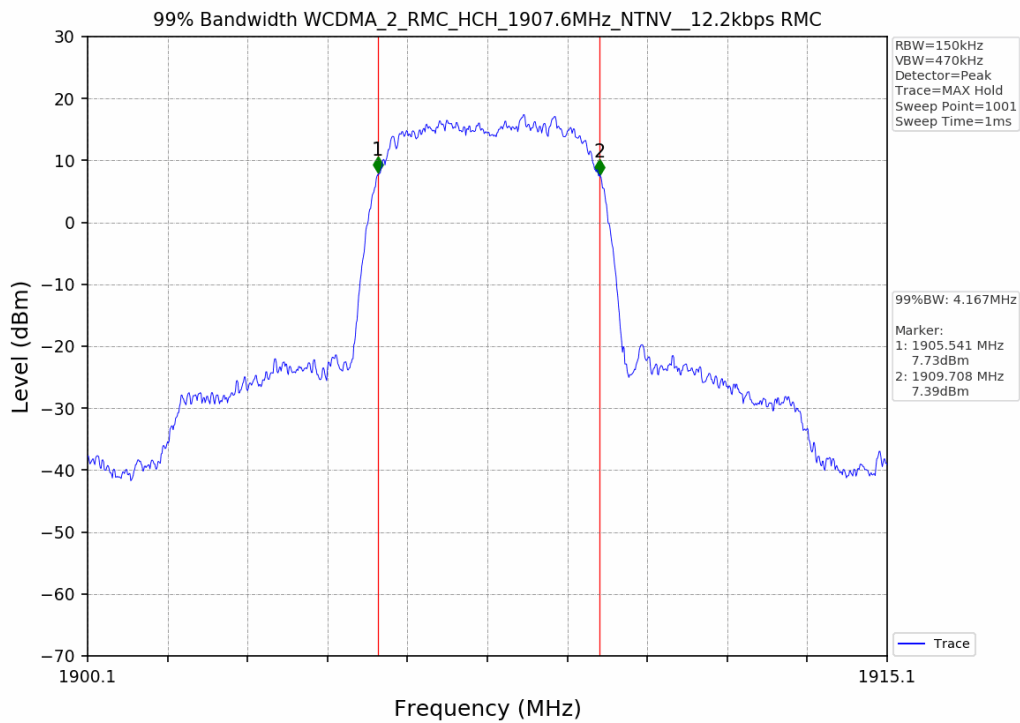
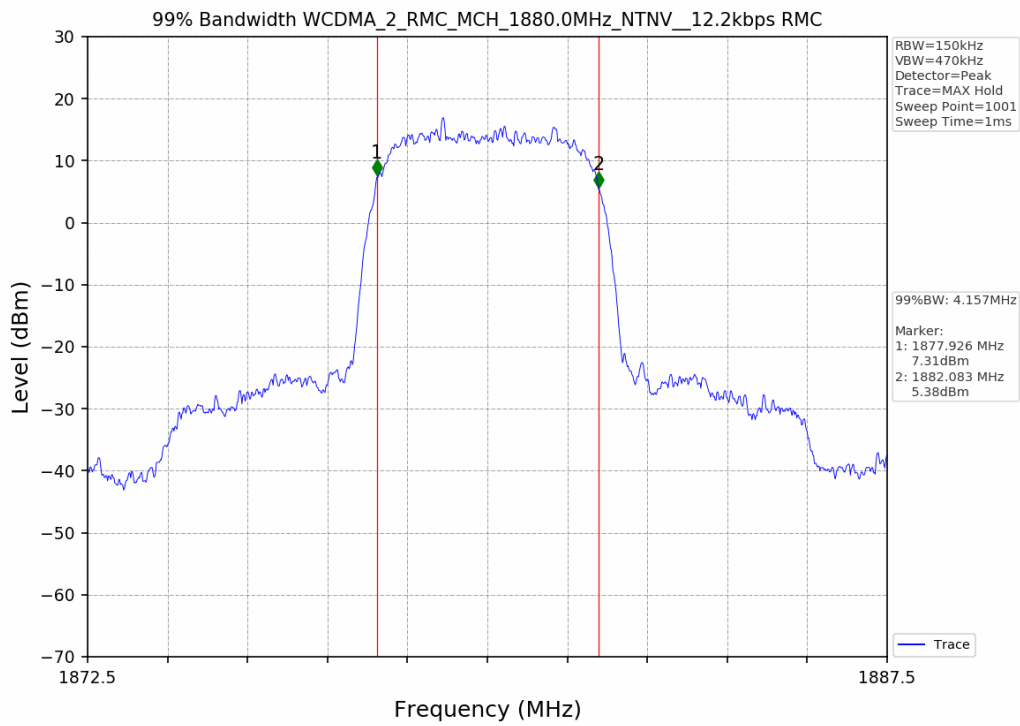
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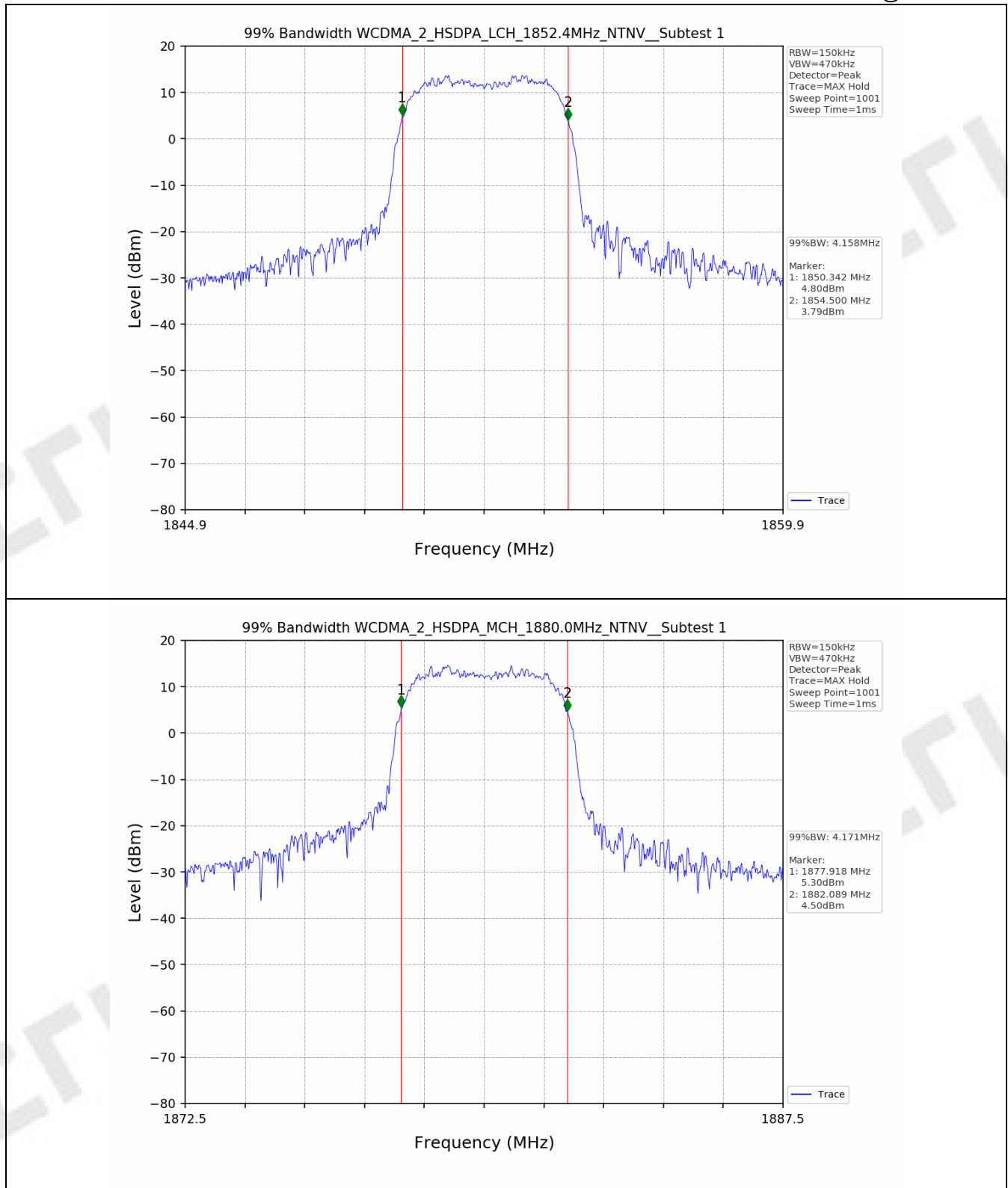
4.1 Test Result

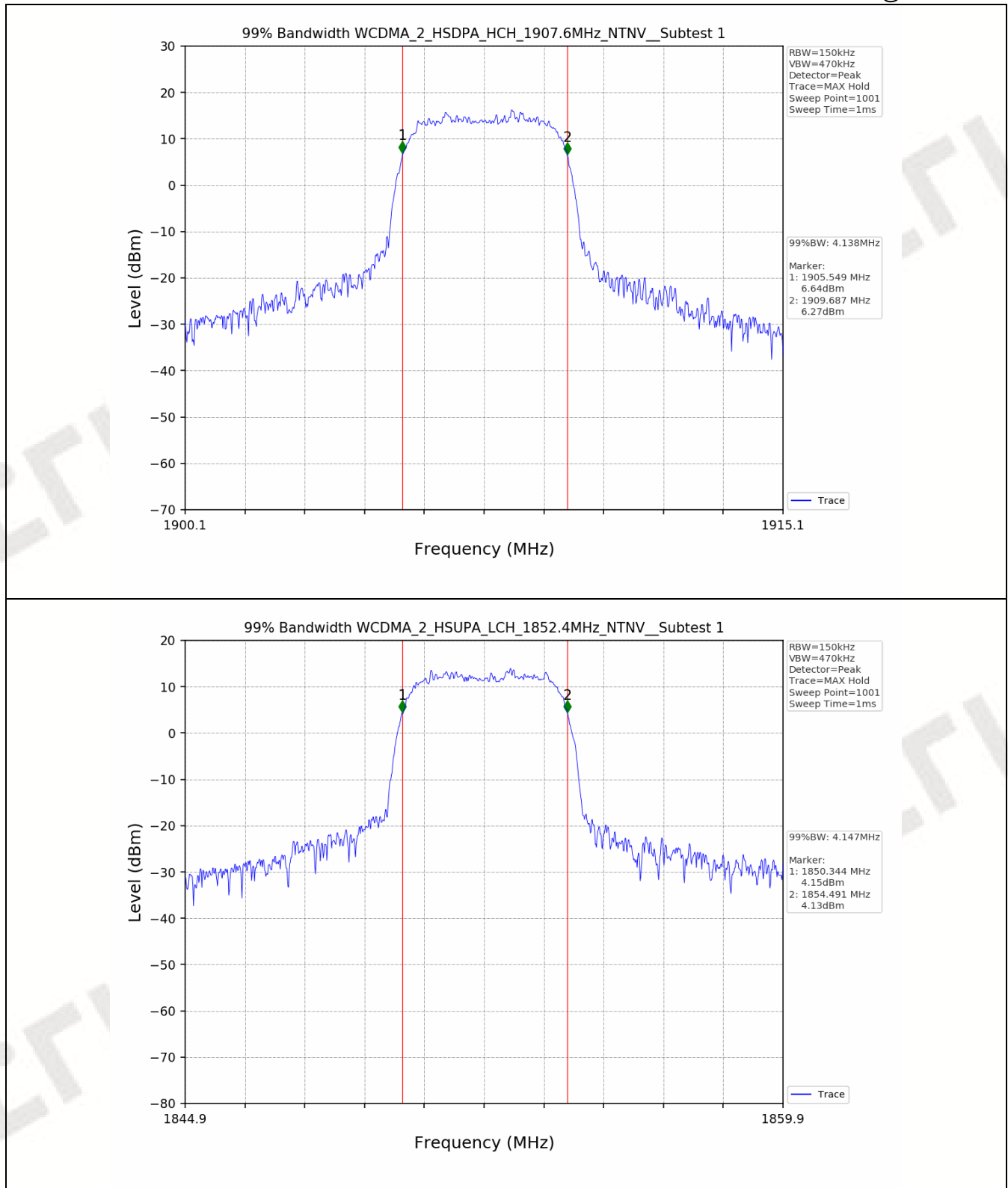
Test Band: 2					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	4.147	4.164	4.160	N/A	PASS
HSDPA	4.158	4.171	4.138	N/A	PASS
RMC	4.157	4.157	4.167	N/A	PASS

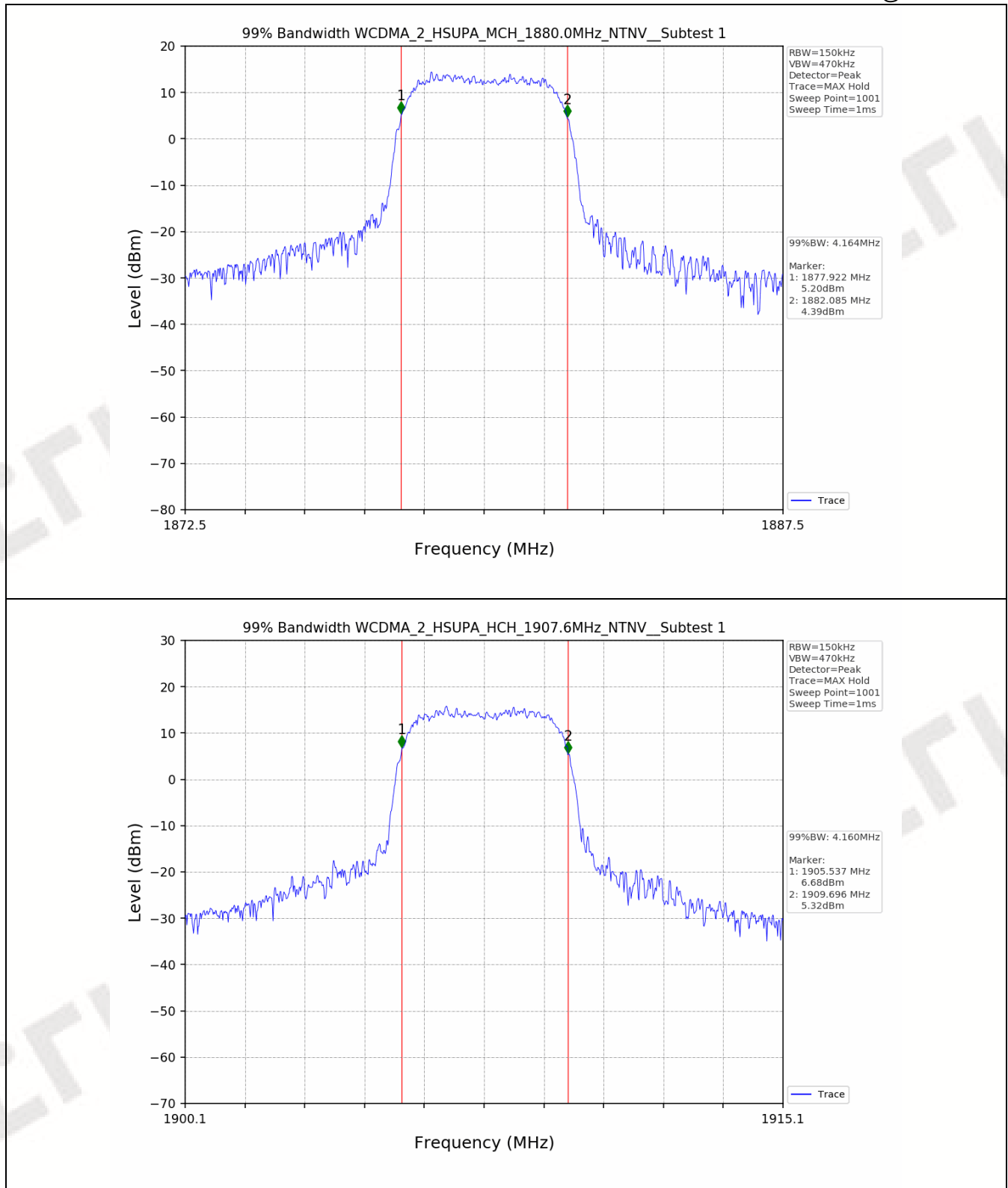
4.2 Test Graph







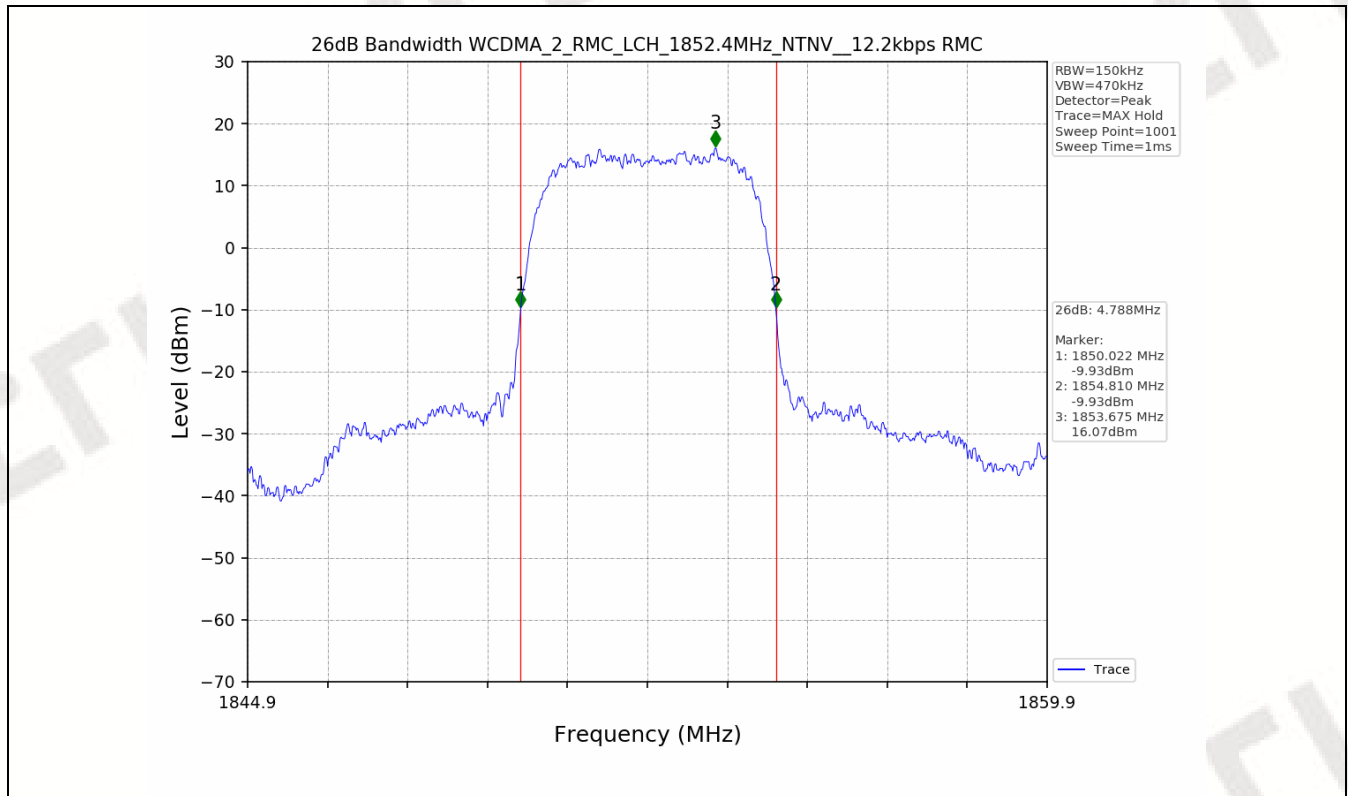


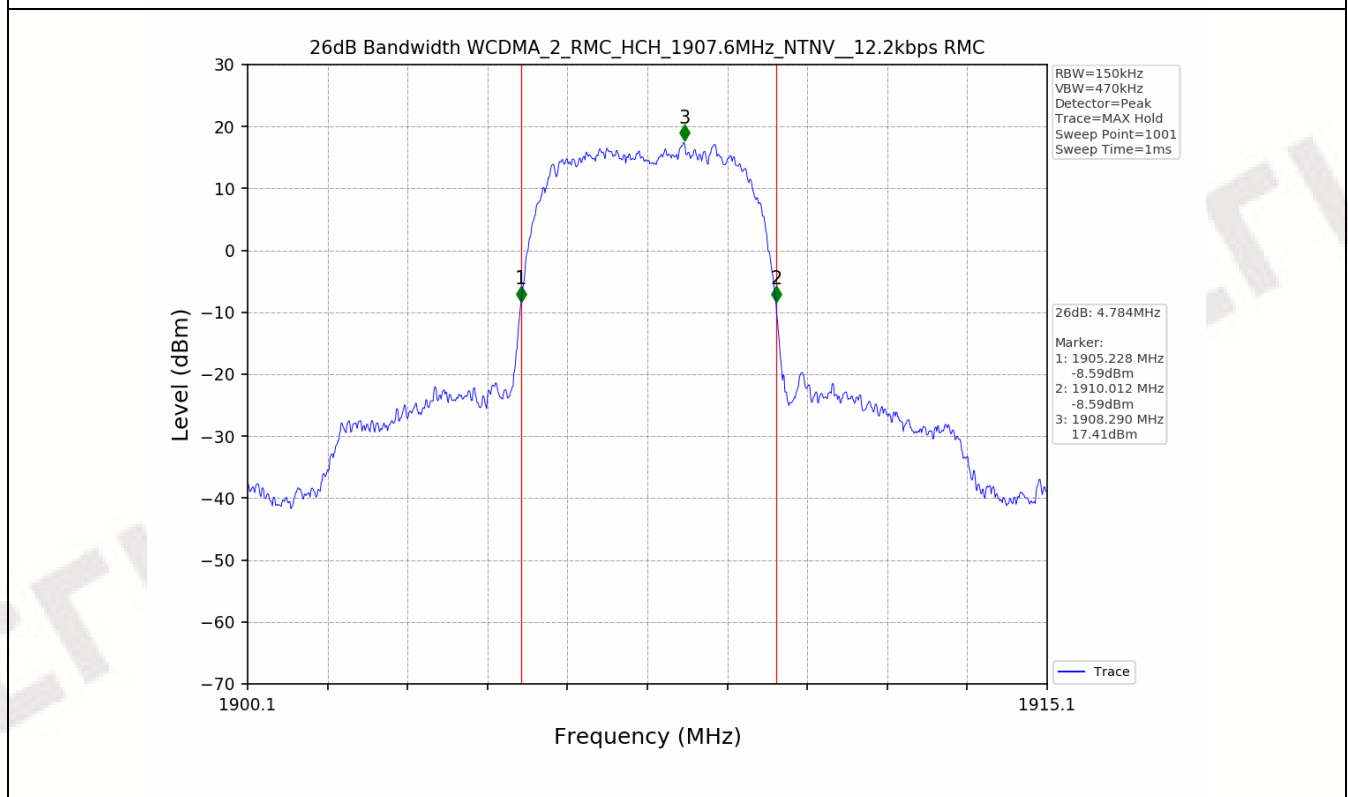
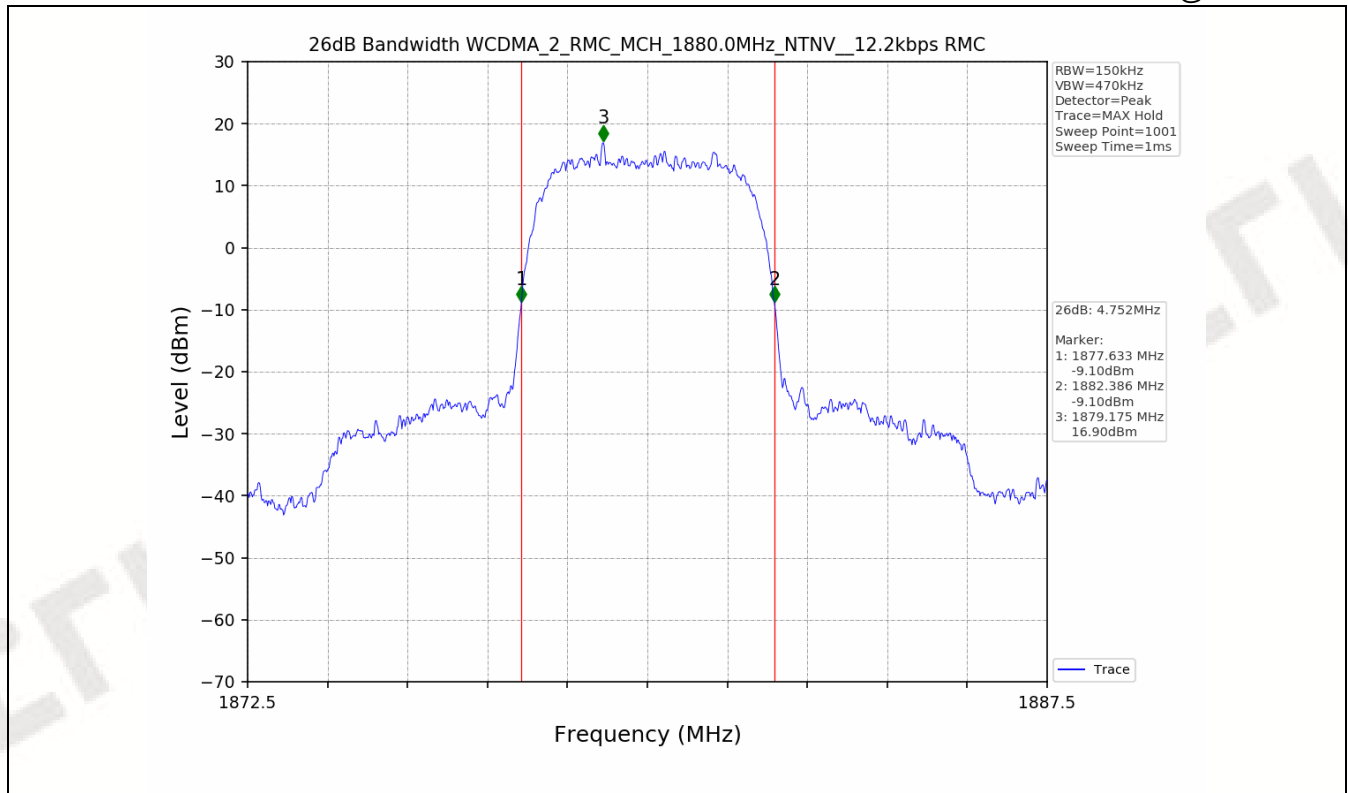


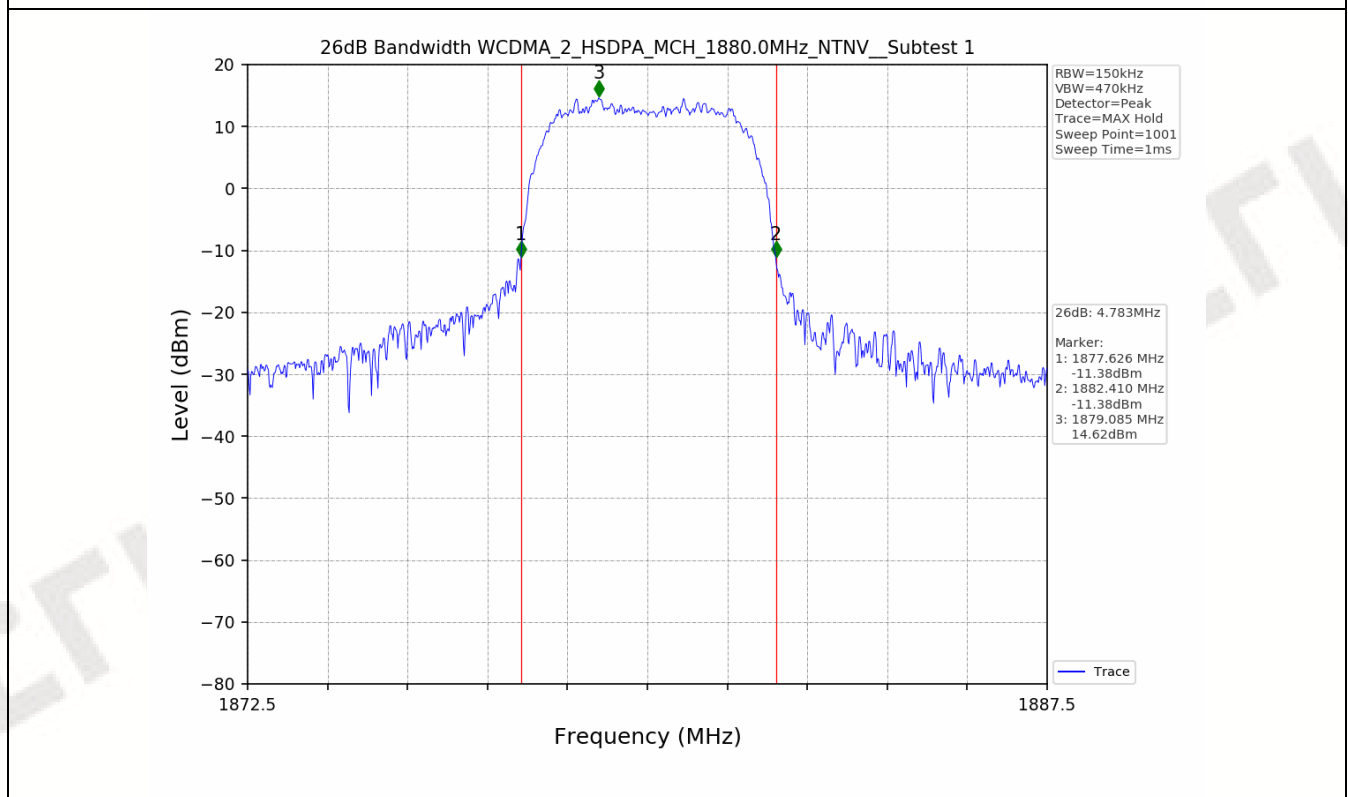
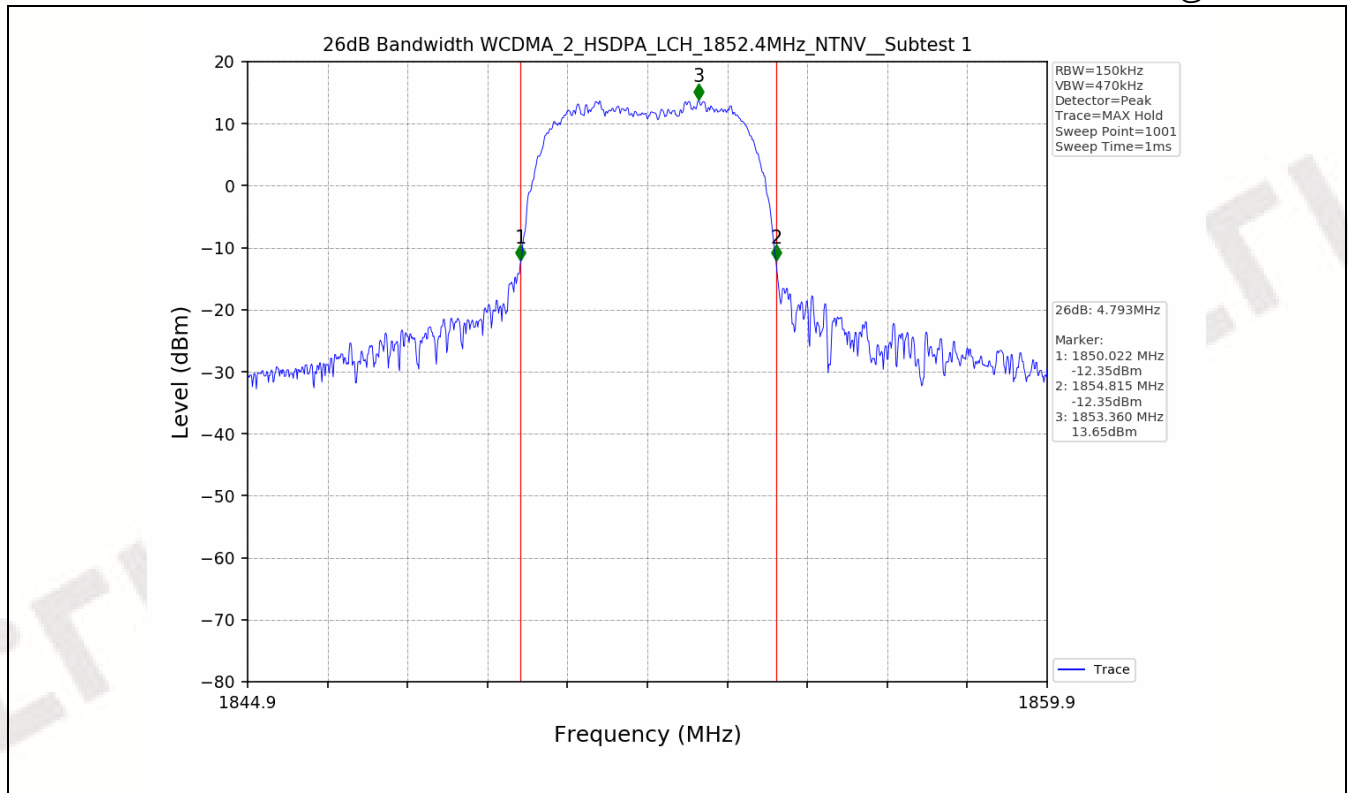


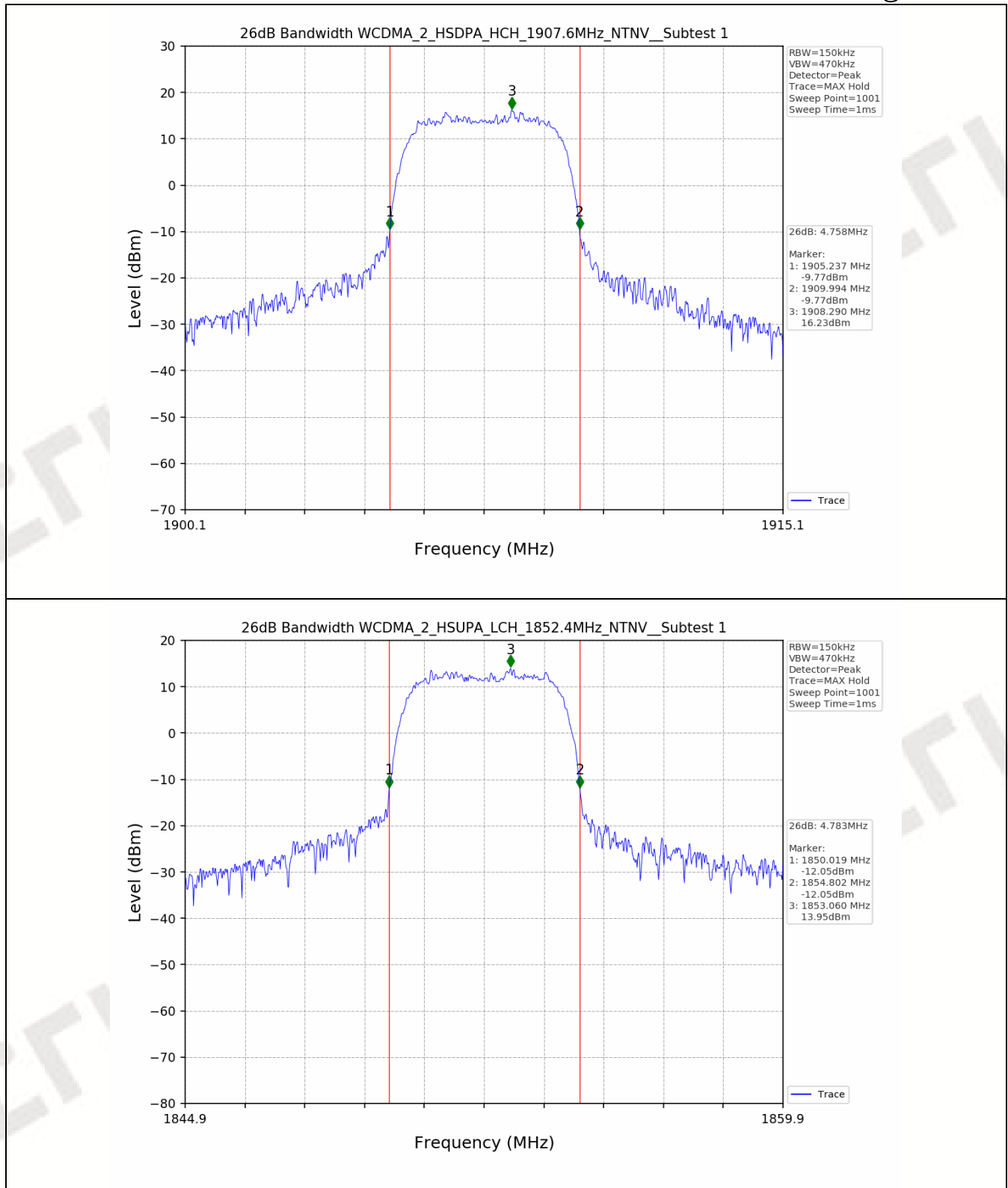
Test Band: 2					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	4.783	4.793	4.791	N/A	PASS
HSDPA	4.793	4.783	4.758	N/A	PASS
RMC	4.788	4.752	4.784	N/A	PASS

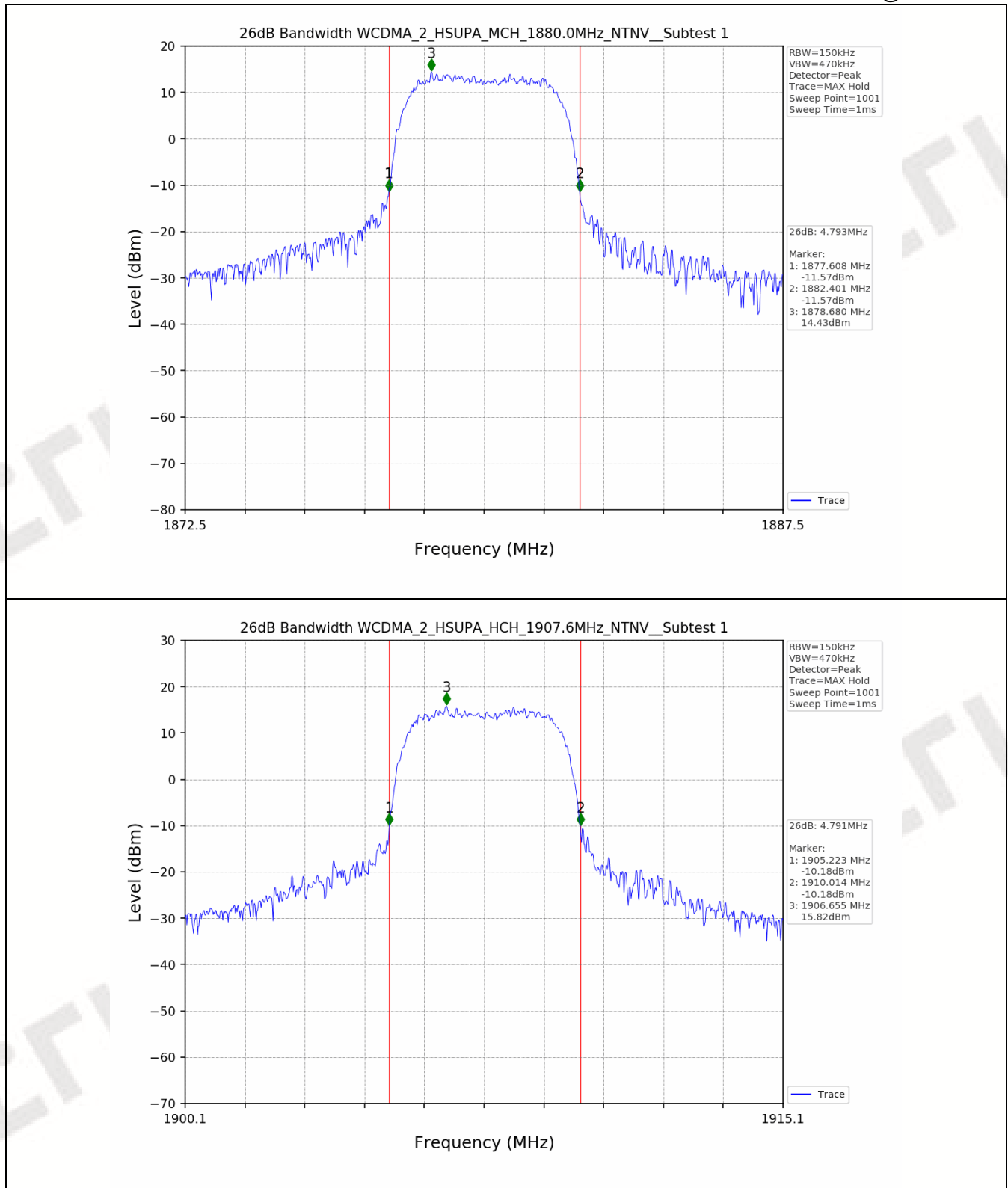
4.2 Test Graph











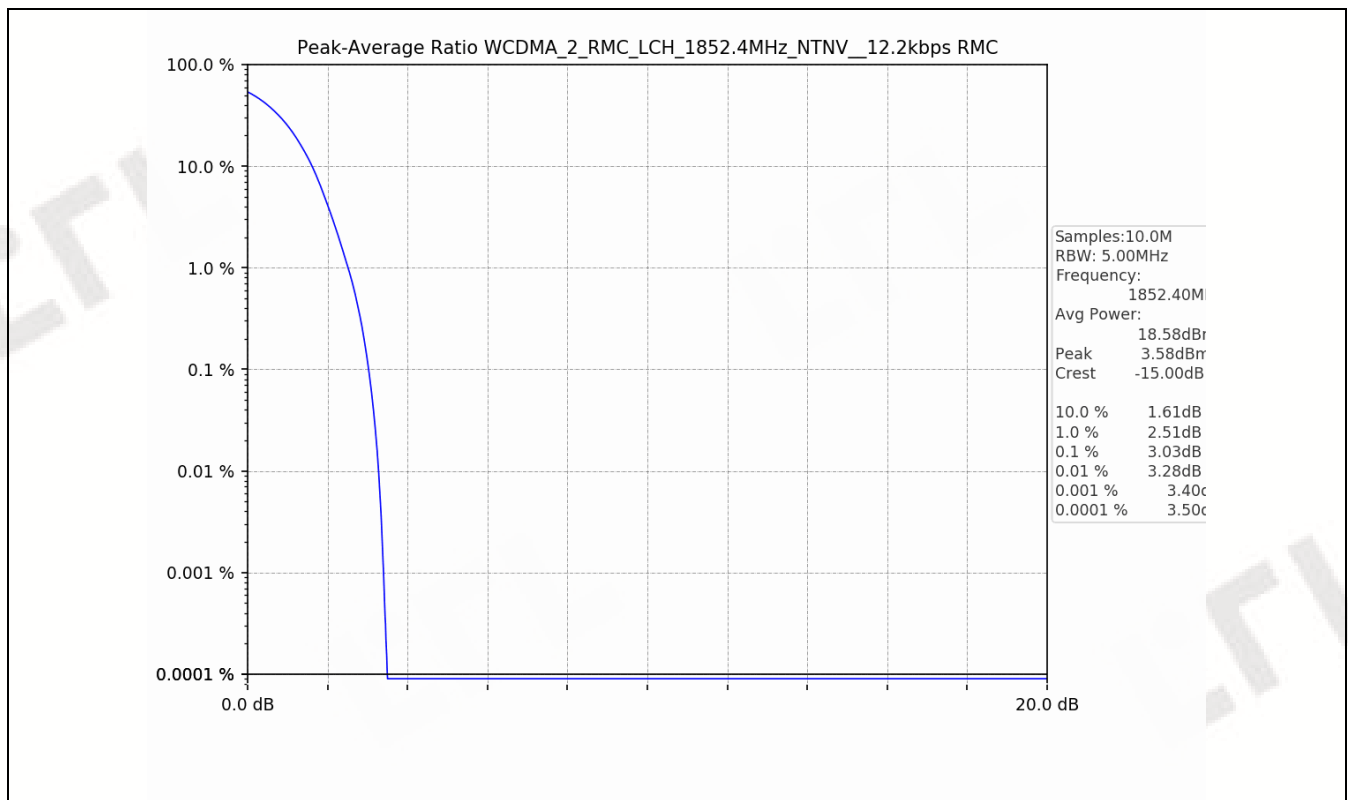


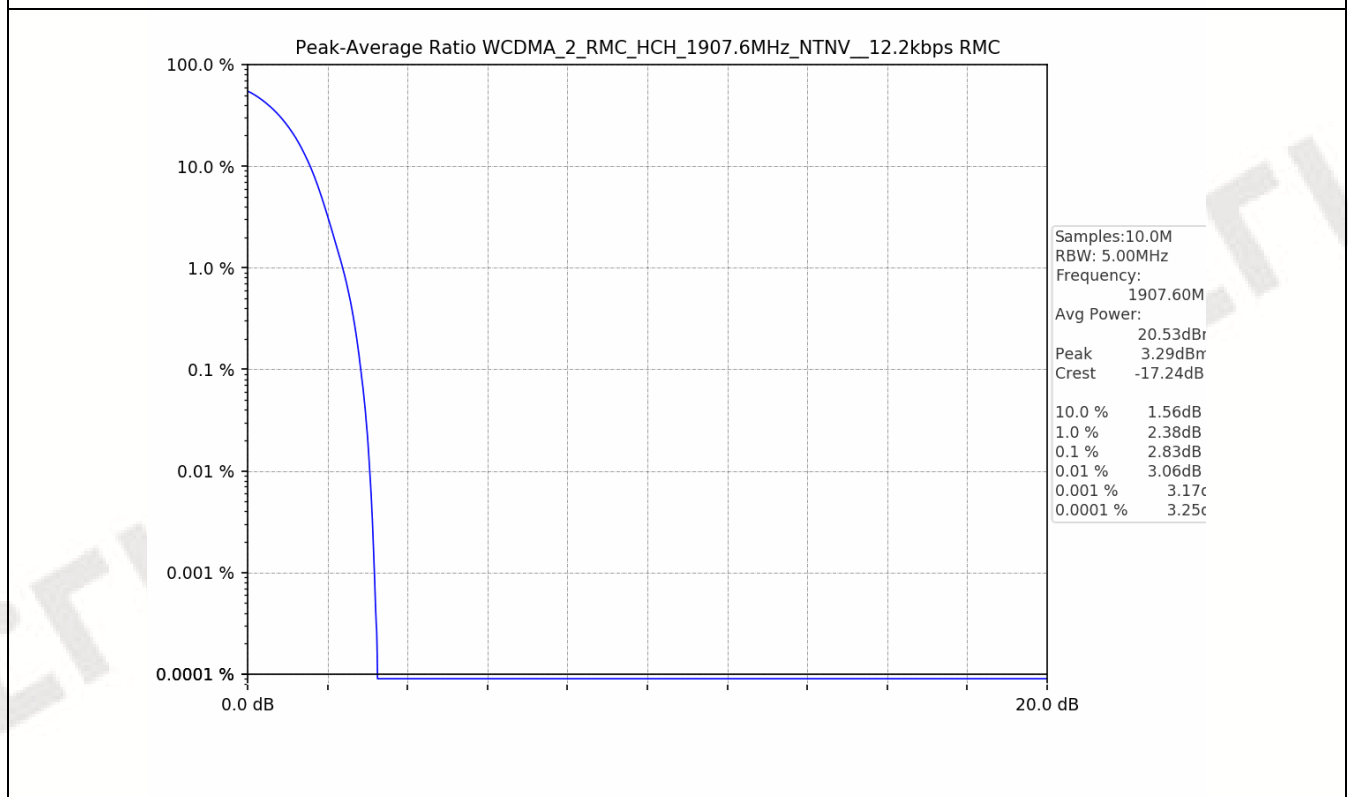
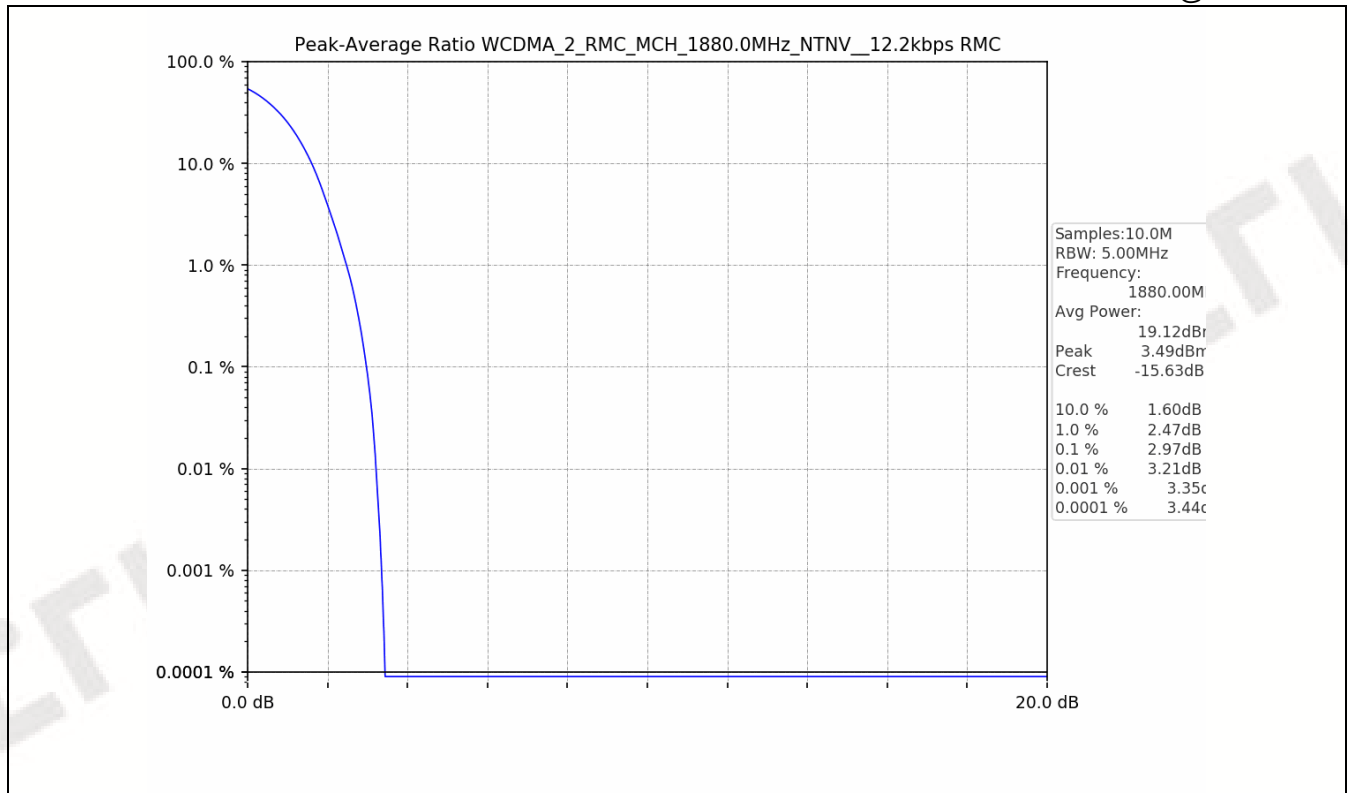
5. Peak-Average Ratio

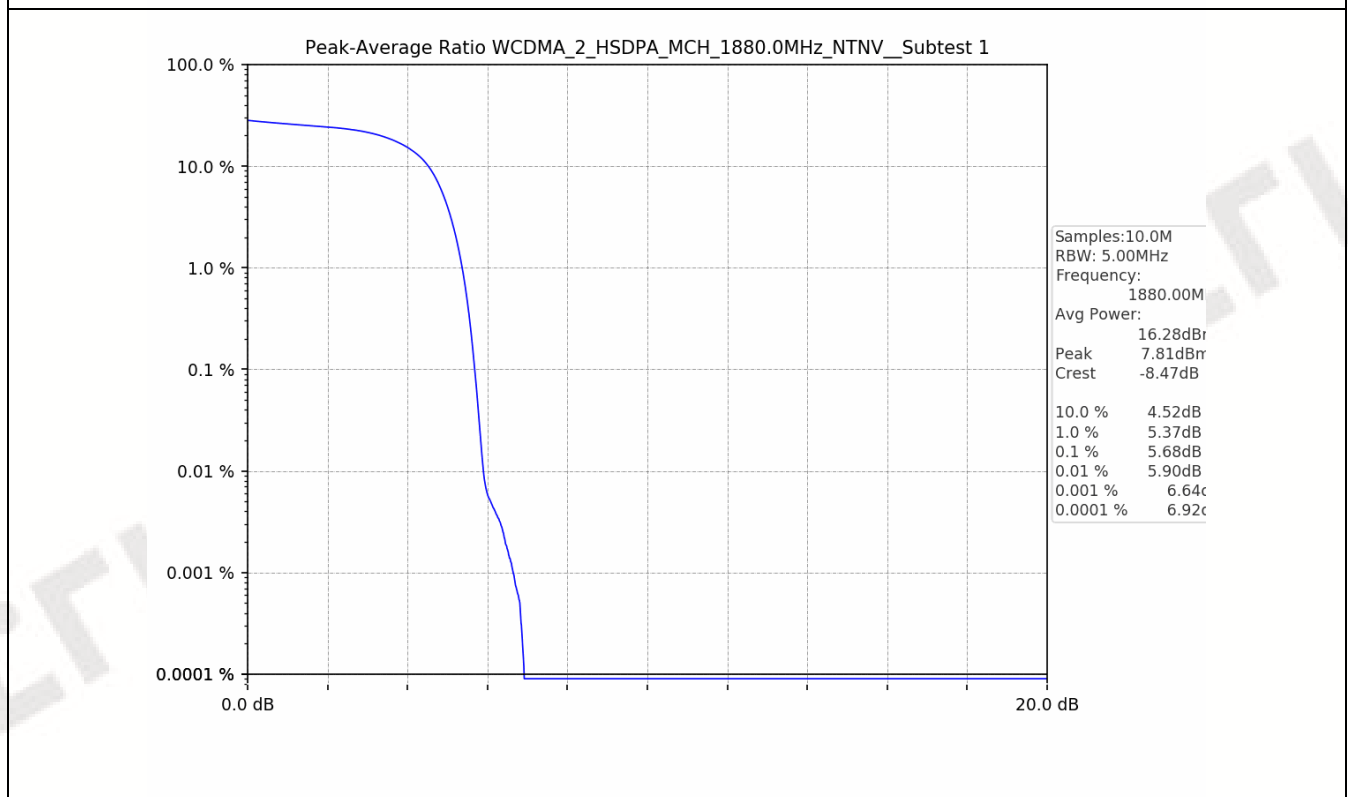
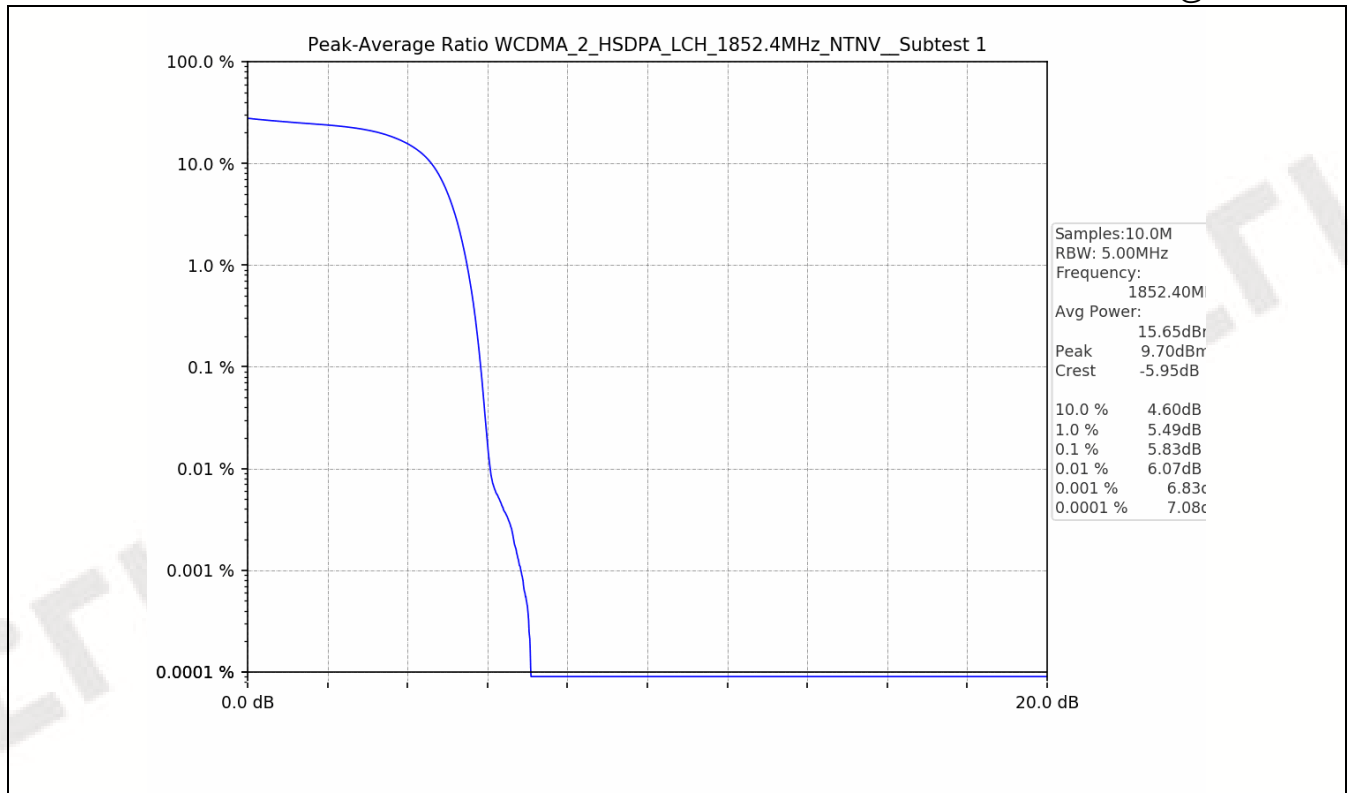
5.1 Test Result

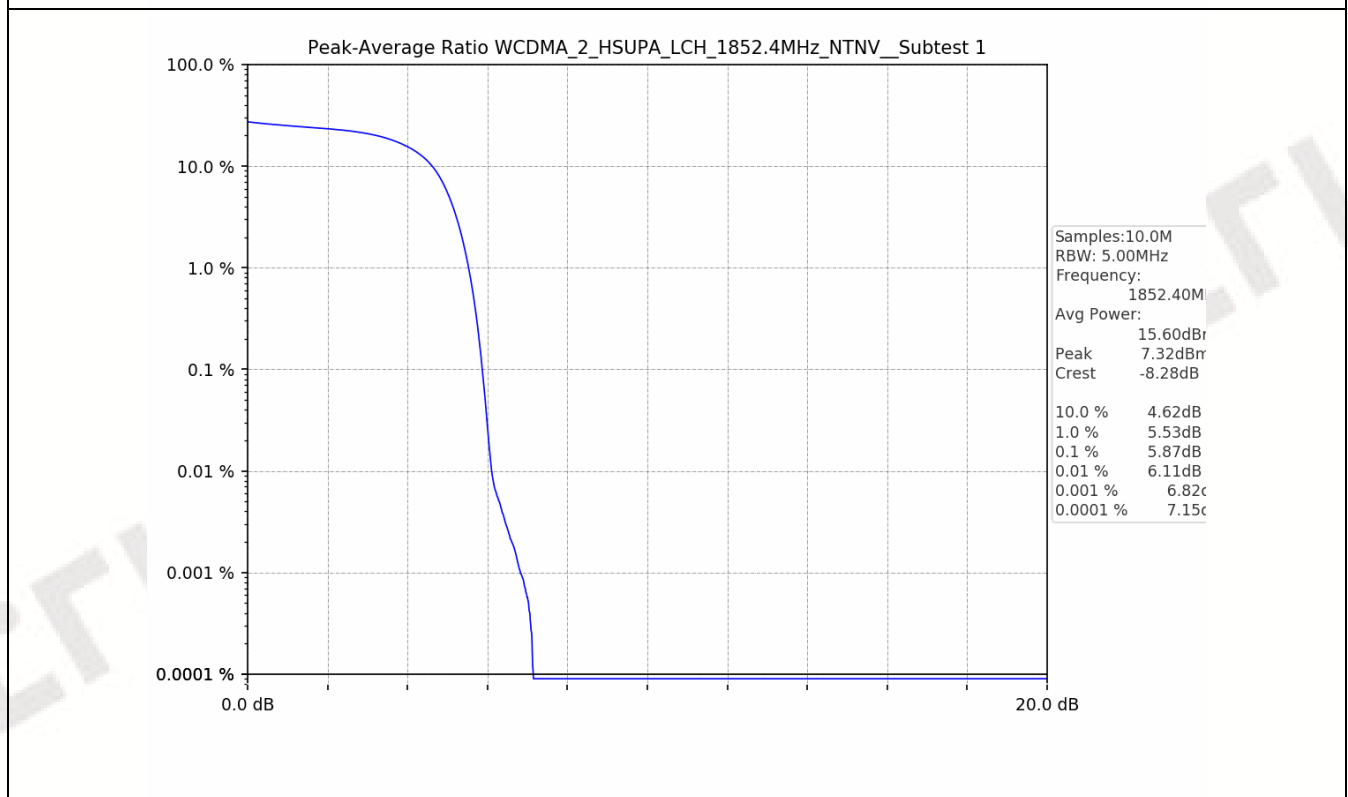
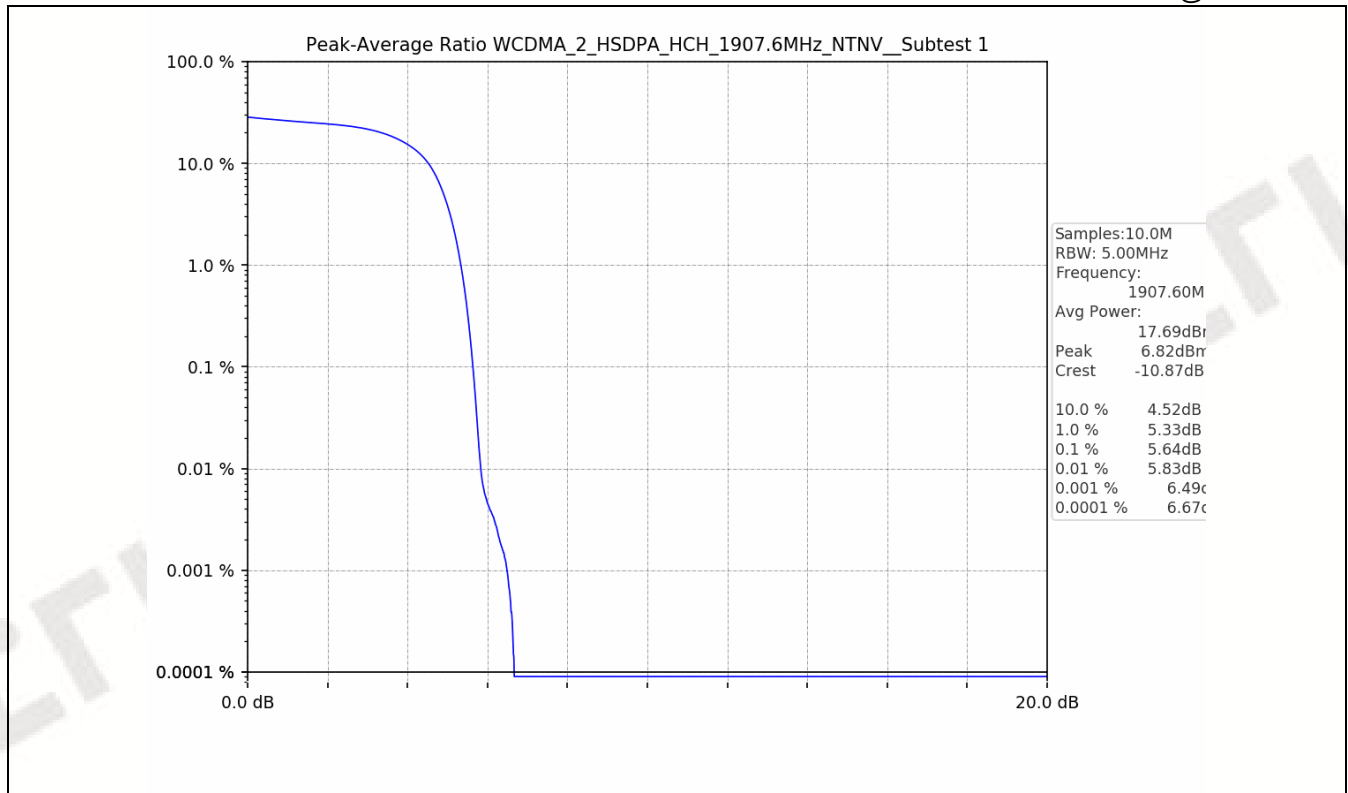
Test Band: 2					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
HSUPA	5.87	5.69	5.64	13	PASS
HSDPA	5.83	5.68	5.64	13	PASS
RMC	3.03	2.97	2.83	13	PASS

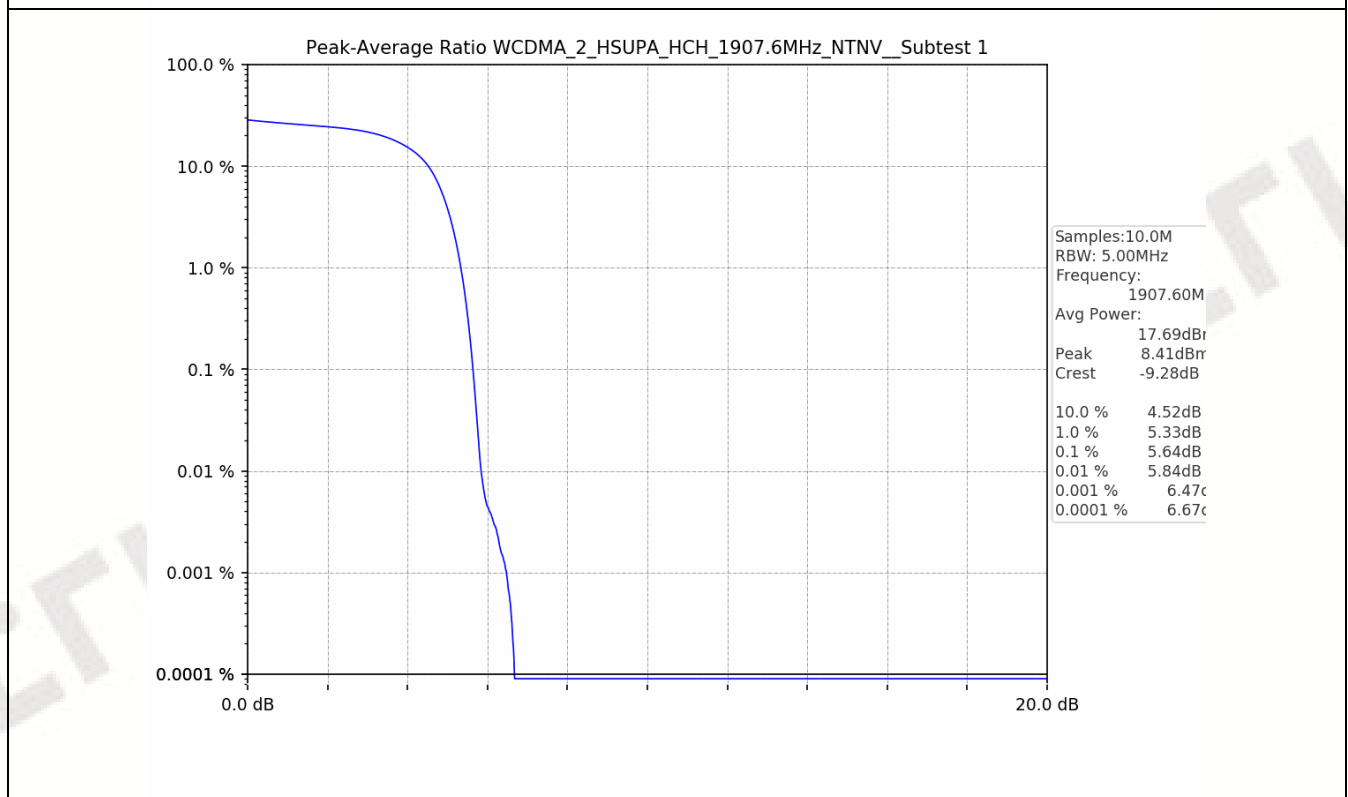
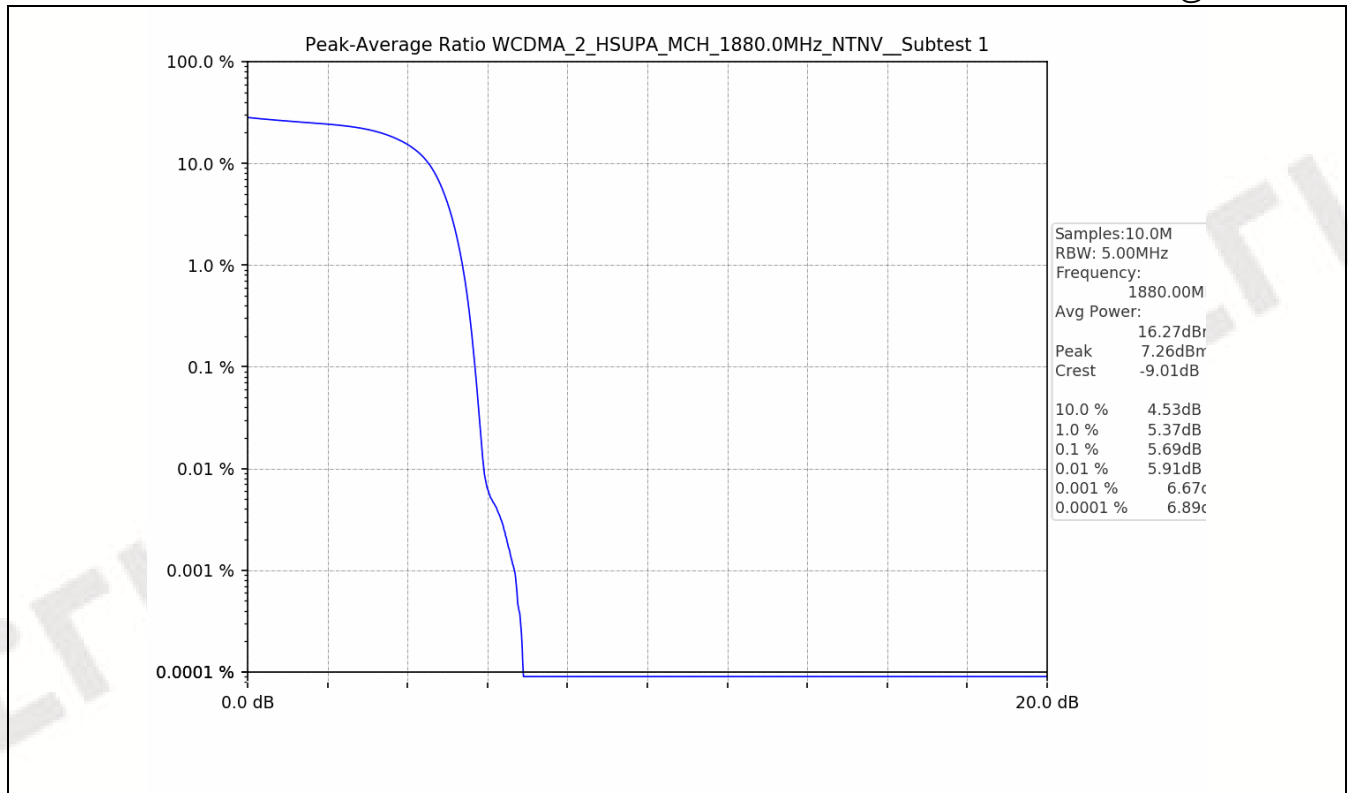
5.2 Test Graph













6. Spurious Emission

6.1 Test Graph

