



Shenzhen CTL Testing Technology Co., Ltd.

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Appendix B

Product Name: Siyata SD7

Model: SD7



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1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: 4											
Test Mode		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
		LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
HSUPA	Subtest 1	19.40	20.98	19.69	/	0.37	19.77	21.35	20.06	30.00	PASS
	Subtest 2	19.88	20.98	19.74	/	0.37	20.25	21.35	20.11	30.00	PASS
	Subtest 3	19.89	20.98	19.97	/	0.37	20.26	21.35	20.34	30.00	PASS
	Subtest 4	19.89	20.79	19.69	/	0.37	20.26	21.16	20.06	30.00	PASS
	Subtest 5	19.35	20.80	19.74	/	0.37	19.72	21.17	20.11	30.00	PASS
HSDPA	Subtest 1	19.90	21.00	20.47	/	0.37	20.27	21.37	20.84	30.00	PASS
	Subtest 2	20.19	21.08	20.08	/	0.37	20.56	21.45	20.45	30.00	PASS
	Subtest 3	19.95	21.00	19.86	/	0.37	20.32	21.37	20.23	30.00	PASS
	Subtest 4	19.73	21.09	19.88	/	0.37	20.10	21.46	20.25	30.00	PASS
RMC	12.2kbps RMC	23.09	24.19	23.36	/	0.37	23.46	24.56	23.73	30.00	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)											



2. Frequency stability

2.1 Test Result

Test Band: 4 (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	22.5449	-12.4955	-14.7629	0.0132	-0.0072	-0.0084	2.50	PASS
		NV	24.1399	-12.7745	-14.0905	0.0141	-0.0074	-0.0080	2.50	PASS
		HV	22.9526	-11.9948	-14.4482	0.0134	-0.0069	-0.0082	2.50	PASS
HSDPA	NT	LV	25.8422	-12.8317	-17.0517	0.0151	-0.0074	-0.0097	2.50	PASS
		NV	26.2713	-12.5599	-16.9230	0.0153	-0.0072	-0.0097	2.50	PASS
		HV	25.9781	-12.0163	-16.3937	0.0152	-0.0069	-0.0094	2.50	PASS
RMC	NT	LV	22.6164	-13.0391	-14.7629	0.0132	-0.0075	-0.0084	2.50	PASS
		NV	22.8524	-12.2809	-15.8215	0.0133	-0.0071	-0.0090	2.50	PASS
		HV	21.6436	-12.8245	-15.4138	0.0126	-0.0074	-0.0088	2.50	PASS

Test Band: 4 (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	22.7666	-12.7172	-15.2993	0.0133	-0.0073	-0.0087	2.50	PASS
		-20.00	22.5735	-12.2809	-14.4124	0.0132	-0.0071	-0.0082	2.50	PASS
		-10.00	22.3231	-12.0878	-14.1048	0.0130	-0.0070	-0.0080	2.50	PASS
		0.00	23.5176	-12.6529	-14.1406	0.0137	-0.0073	-0.0081	2.50	PASS
		10.00	22.7809	-13.3181	-14.1048	0.0133	-0.0077	-0.0080	2.50	PASS
		20.00	23.2887	-11.9090	-14.5412	0.0136	-0.0069	-0.0083	2.50	PASS
		30.00	22.9883	-12.5098	-14.2908	0.0134	-0.0072	-0.0082	2.50	PASS
		40.00	23.0026	-12.1307	-14.7843	0.0134	-0.0070	-0.0084	2.50	PASS
		50.00	21.9727	-12.0664	-14.2837	0.0128	-0.0070	-0.0081	2.50	PASS
HSDPA	NV	-30.00	25.3058	-11.4942	-16.7084	0.0148	-0.0066	-0.0095	2.50	PASS
		-20.00	25.7278	-11.9662	-17.2806	0.0150	-0.0069	-0.0099	2.50	PASS
		-10.00	25.6705	-12.5814	-16.7942	0.0150	-0.0073	-0.0096	2.50	PASS
		0.00	25.9566	-11.8875	-15.9931	0.0152	-0.0069	-0.0091	2.50	PASS
		10.00	26.3929	-12.1951	-16.2649	0.0154	-0.0070	-0.0093	2.50	PASS
		20.00	25.4202	-11.6515	-16.0432	0.0148	-0.0067	-0.0092	2.50	PASS
		30.00	26.2928	-11.8232	-15.8787	0.0154	-0.0068	-0.0091	2.50	PASS
		40.00	25.3701	-12.8603	-16.8657	0.0148	-0.0074	-0.0096	2.50	PASS
		50.00	26.1998	-12.5384	-16.1791	0.0153	-0.0072	-0.0092	2.50	PASS
RMC	NV	-30.00	22.0728	-12.4025	-15.4138	0.0129	-0.0072	-0.0088	2.50	PASS
		-20.00	22.0871	-11.9519	-15.3923	0.0129	-0.0069	-0.0088	2.50	PASS
		-10.00	22.0871	-12.2380	-15.5067	0.0129	-0.0071	-0.0088	2.50	PASS
		0.00	21.7938	-11.9805	-16.3794	0.0127	-0.0069	-0.0093	2.50	PASS
		10.00	22.2230	-12.1379	-15.4138	0.0130	-0.0070	-0.0088	2.50	PASS
		20.00	22.1372	-13.0320	-16.5510	0.0129	-0.0075	-0.0094	2.50	PASS
		30.00	22.5091	-12.4741	-15.5568	0.0131	-0.0072	-0.0089	2.50	PASS
		40.00	22.6378	-12.3167	-15.8572	0.0132	-0.0071	-0.0090	2.50	PASS
		50.00	22.5592	-12.1450	-15.7499	0.0132	-0.0070	-0.0090	2.50	PASS

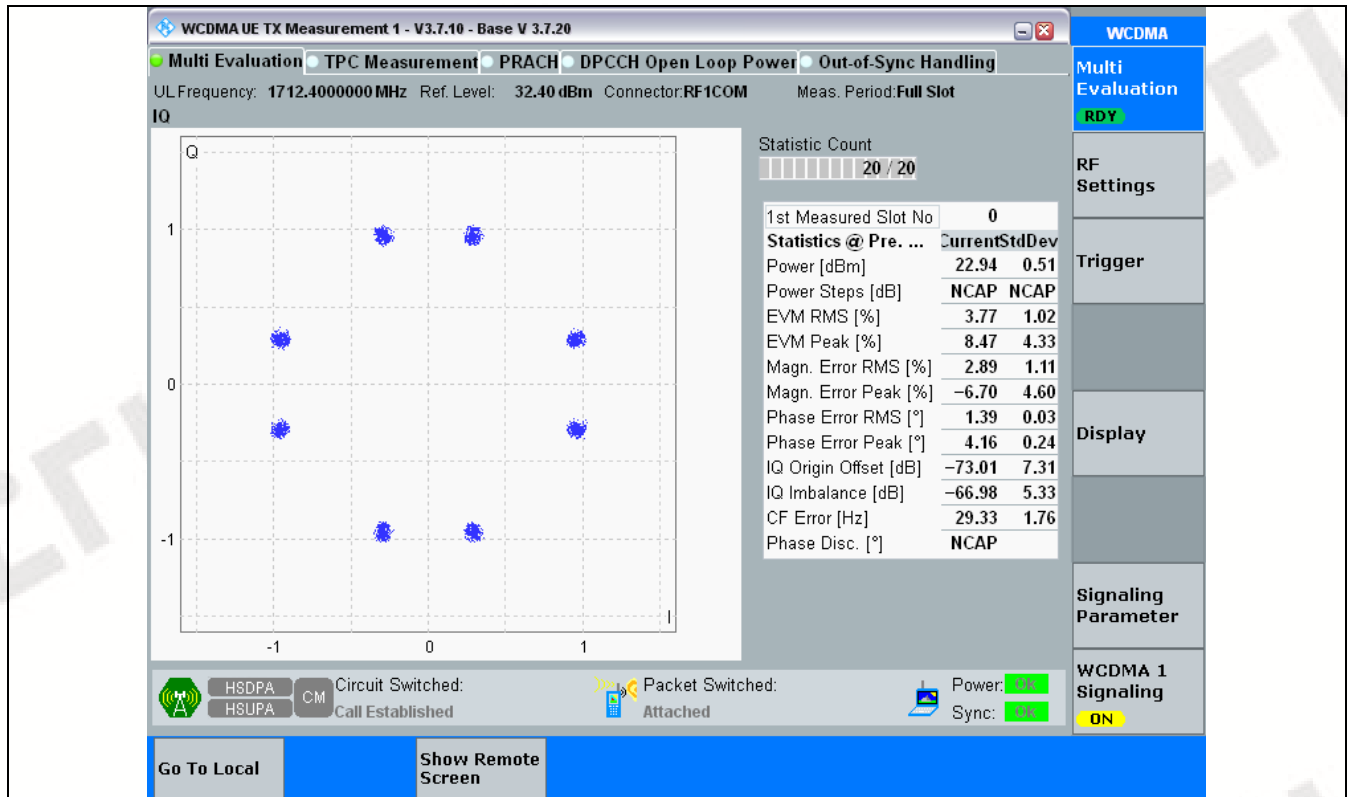


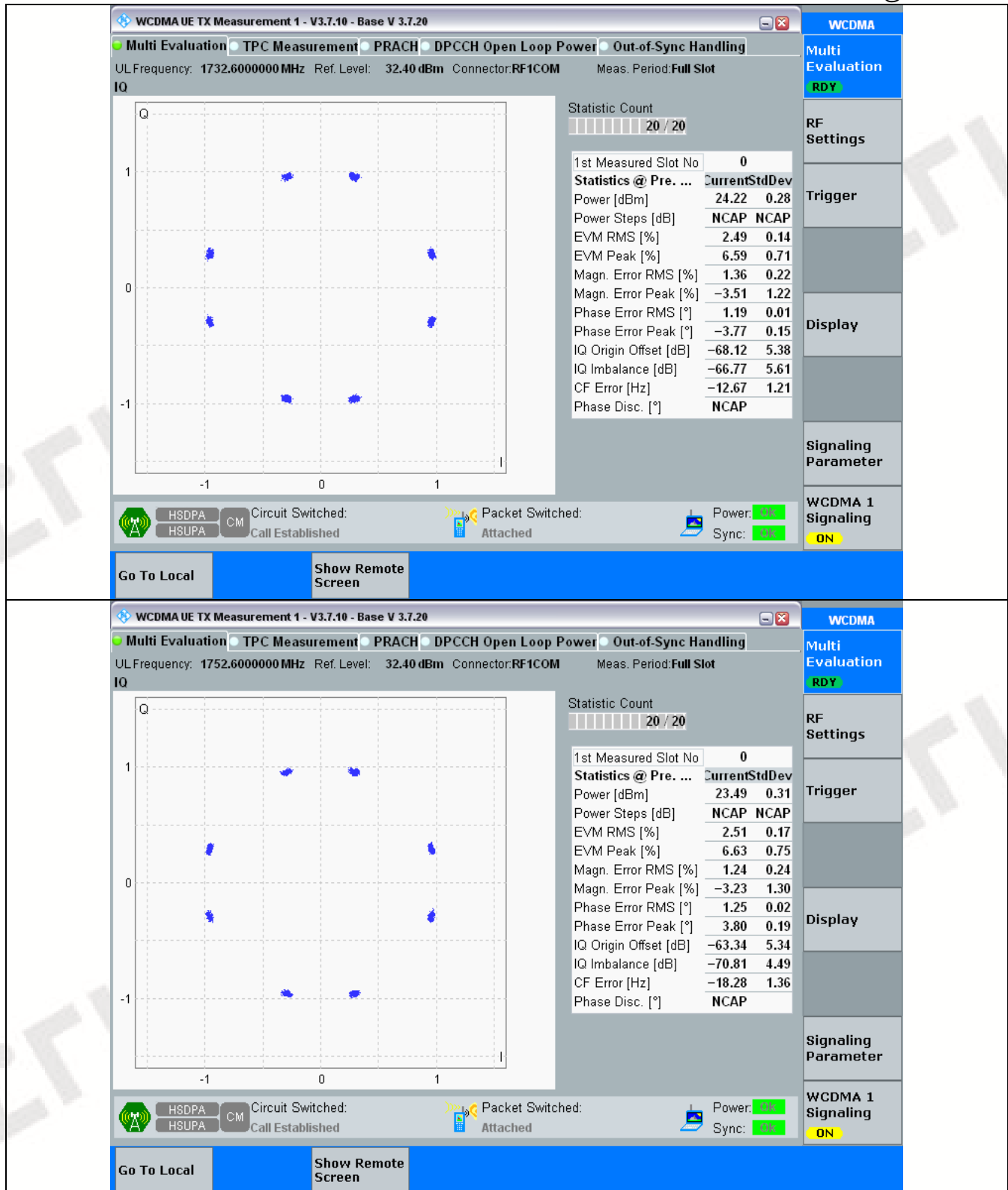
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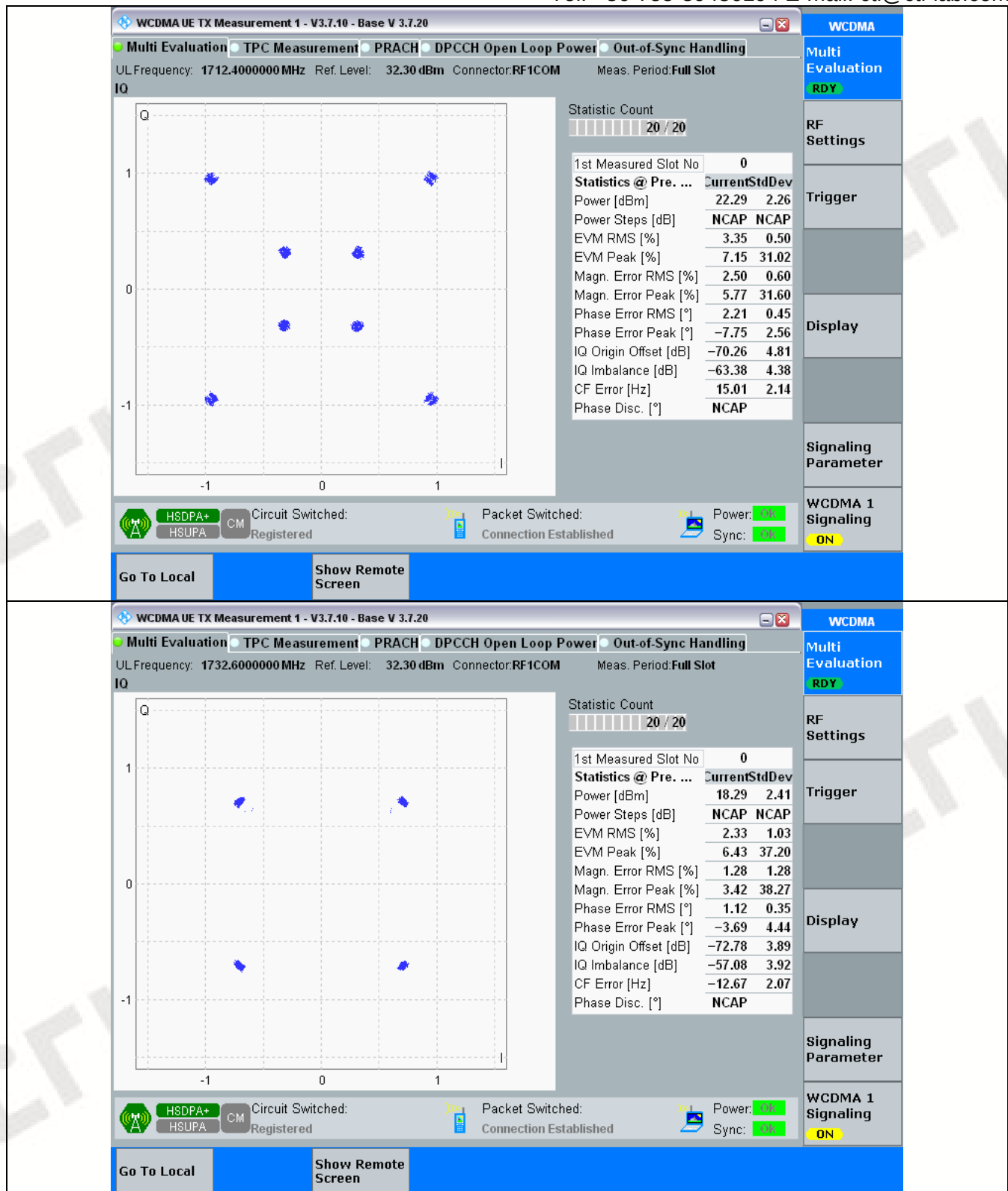
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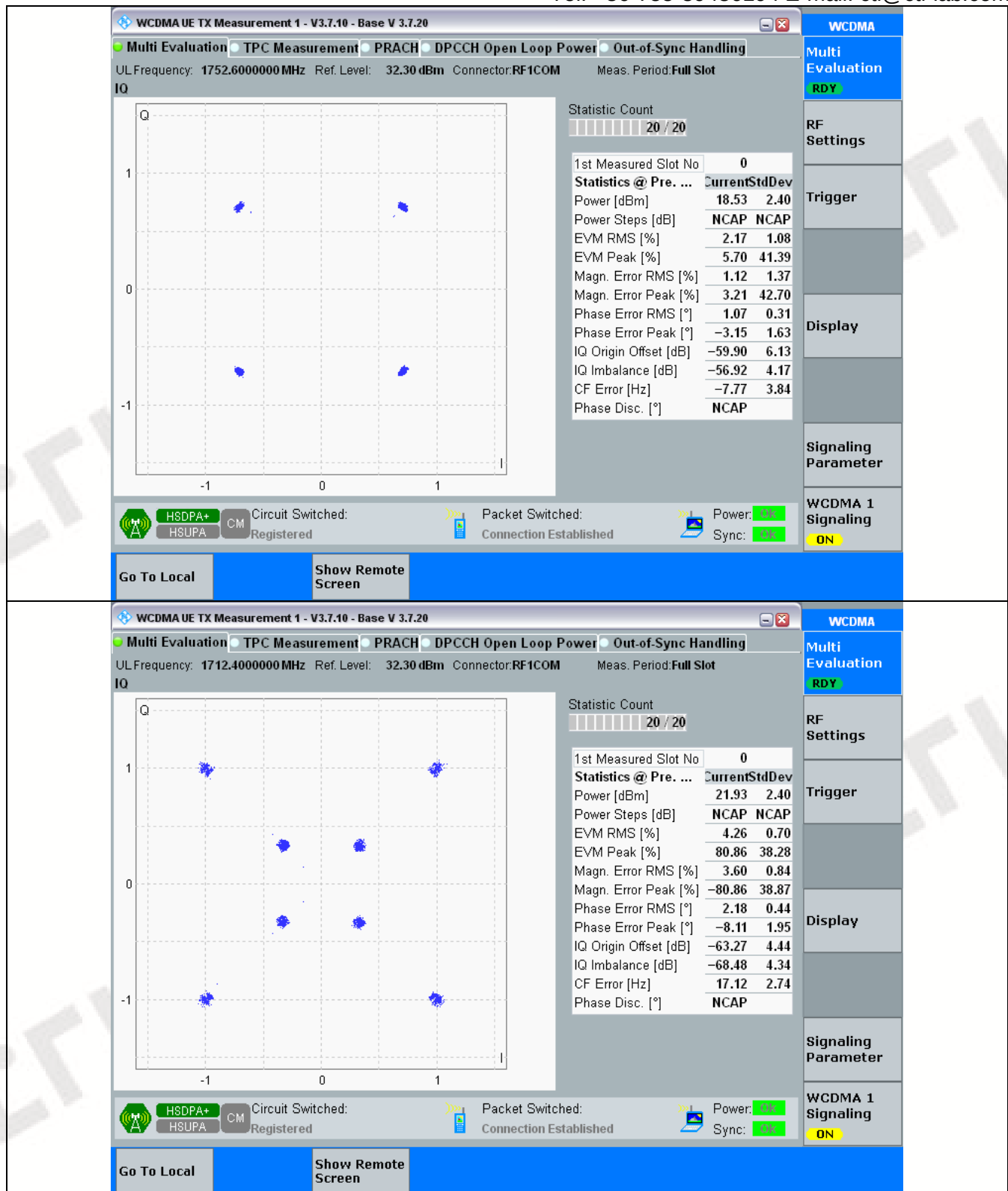
3. Modulation Characteristics

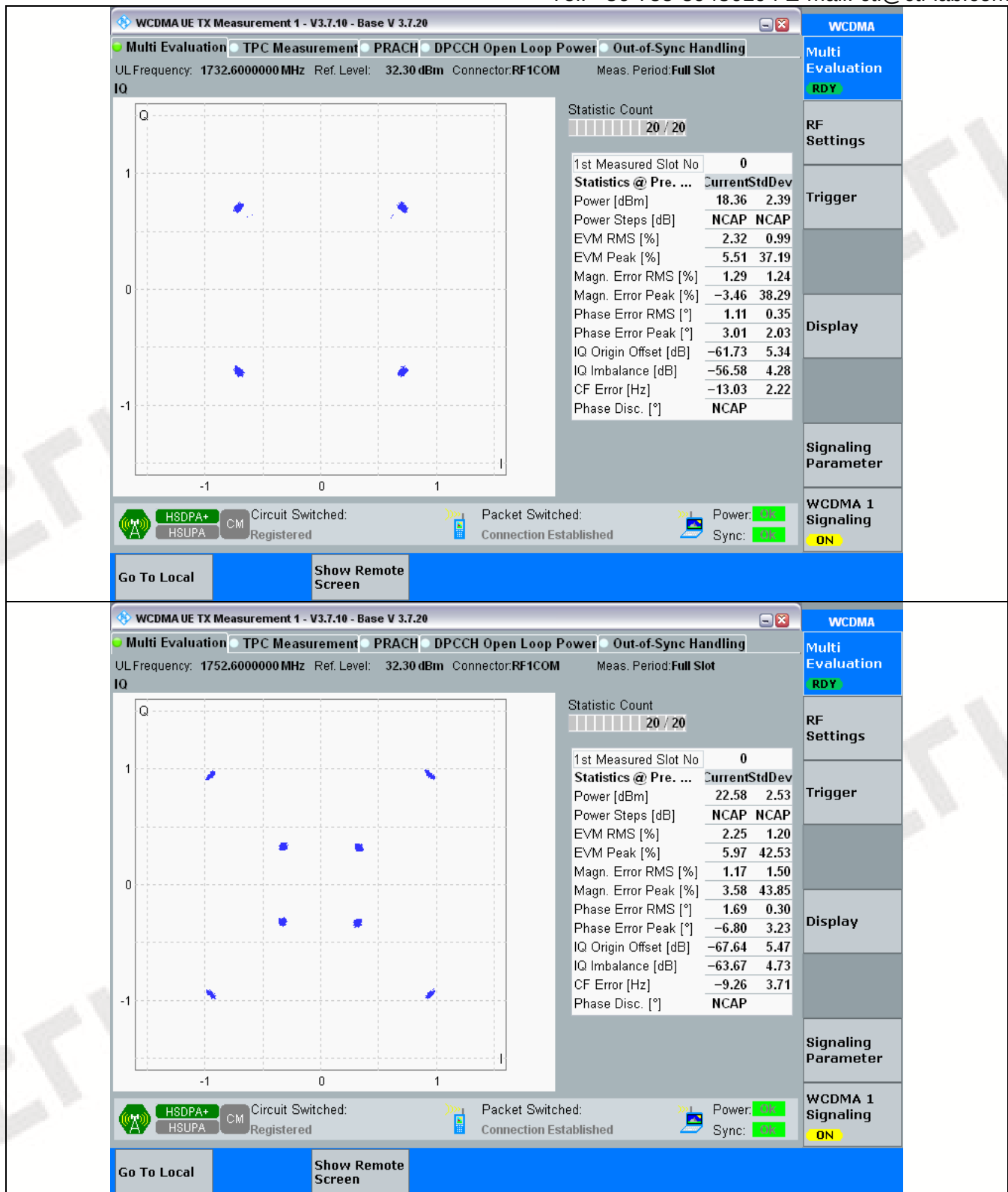
3.1 Test Graph











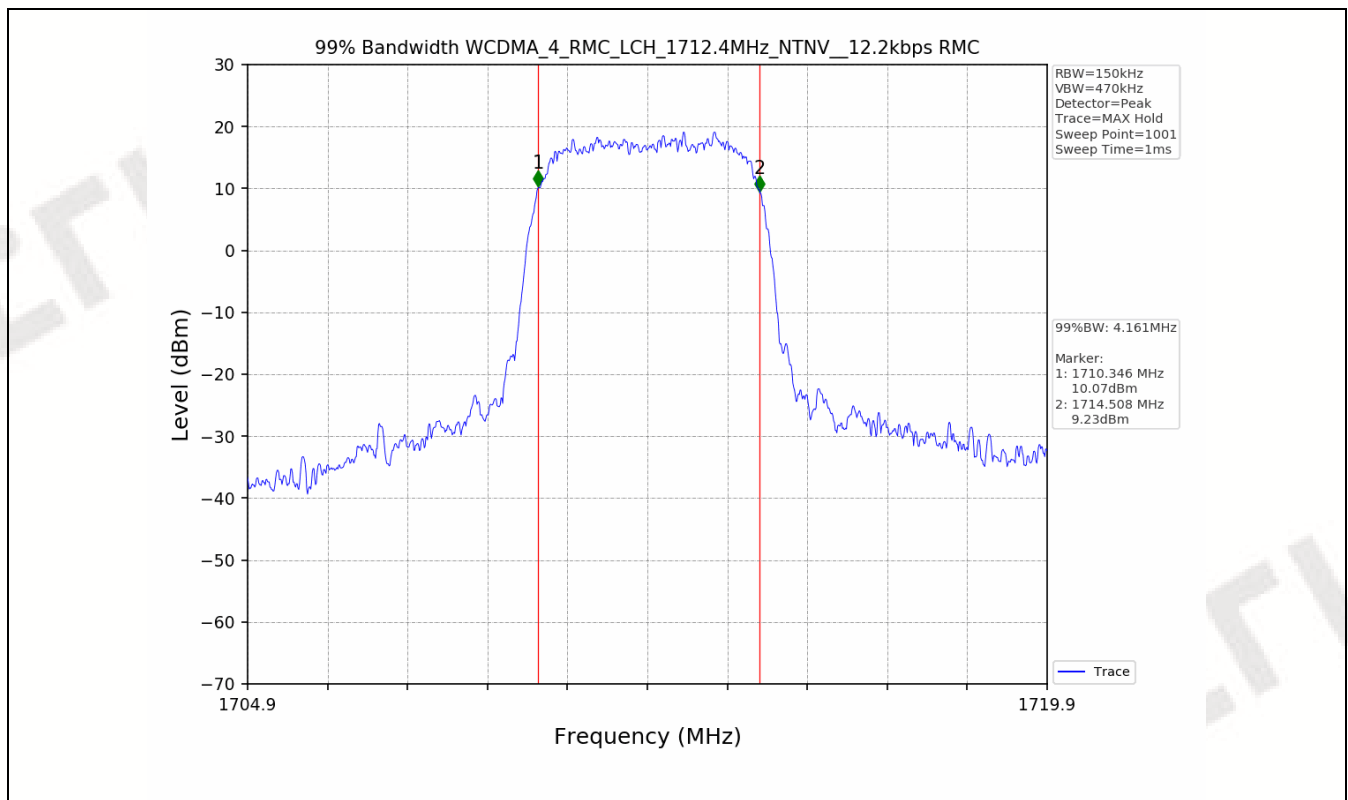


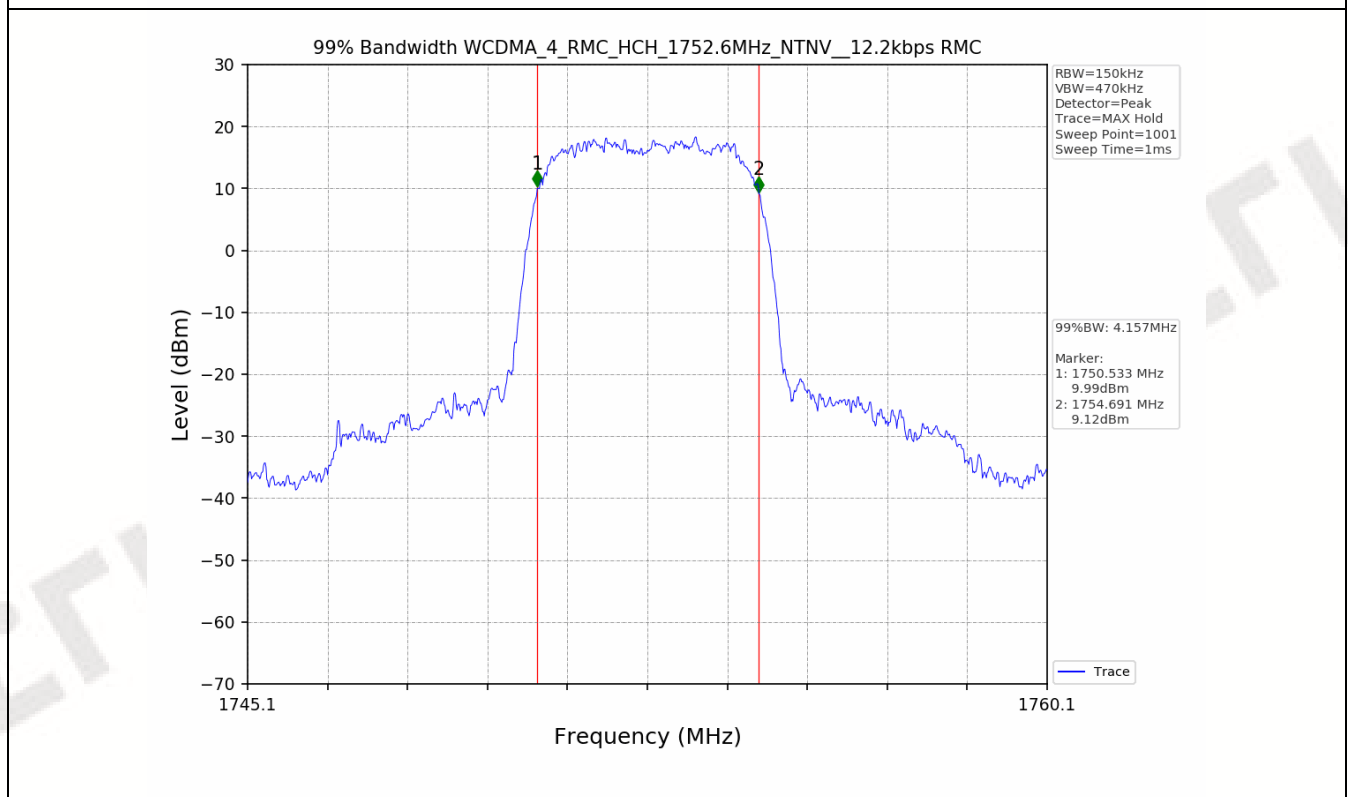
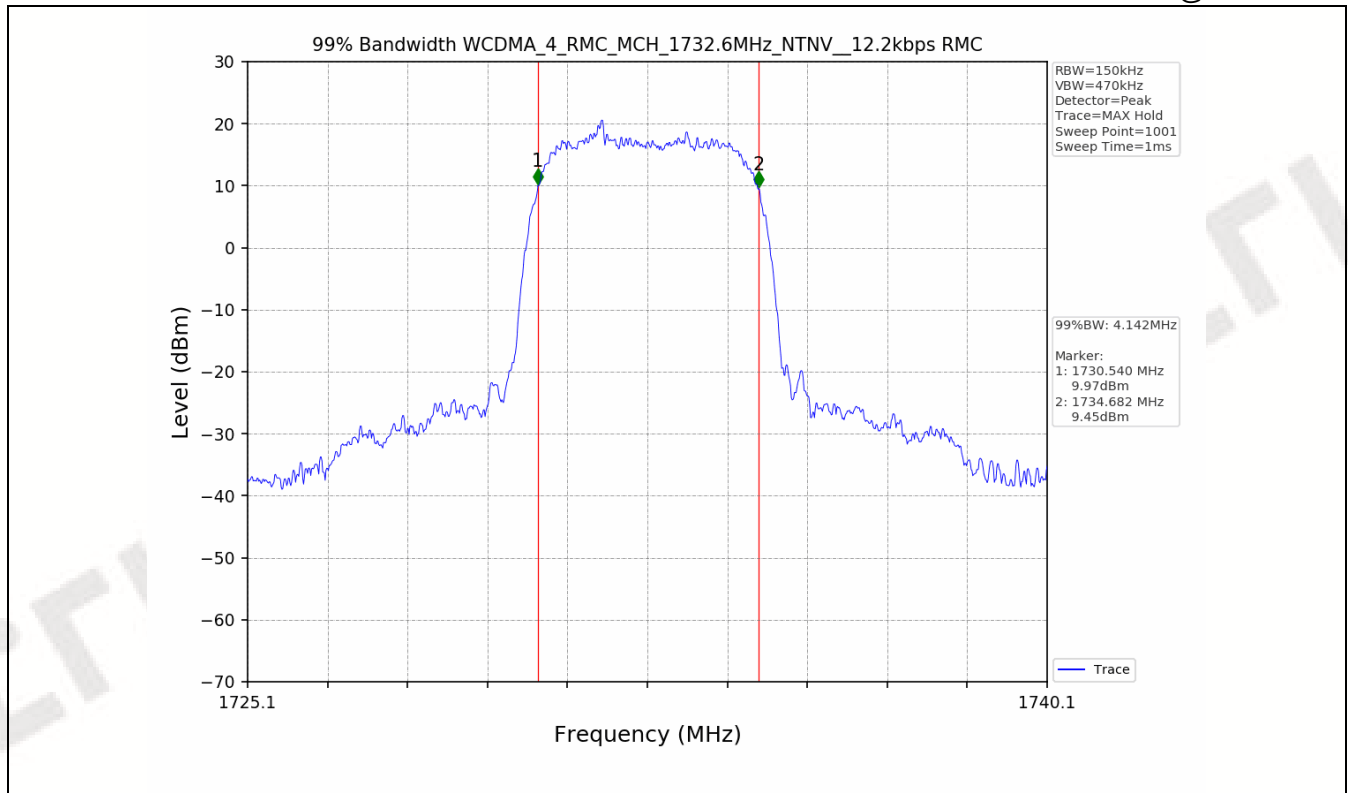
4. 99% & 26dB Bandwidth

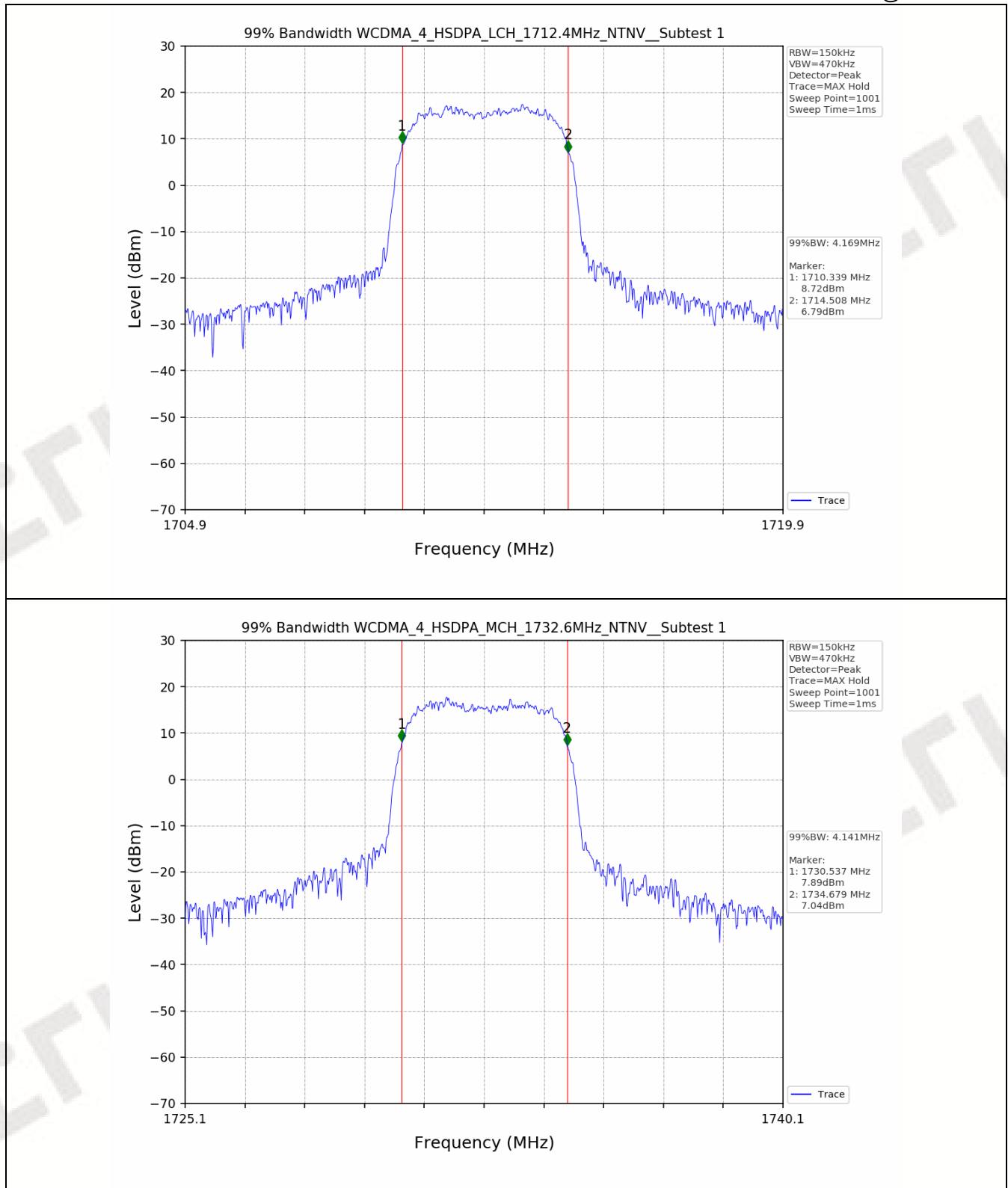
4.1 Test Result

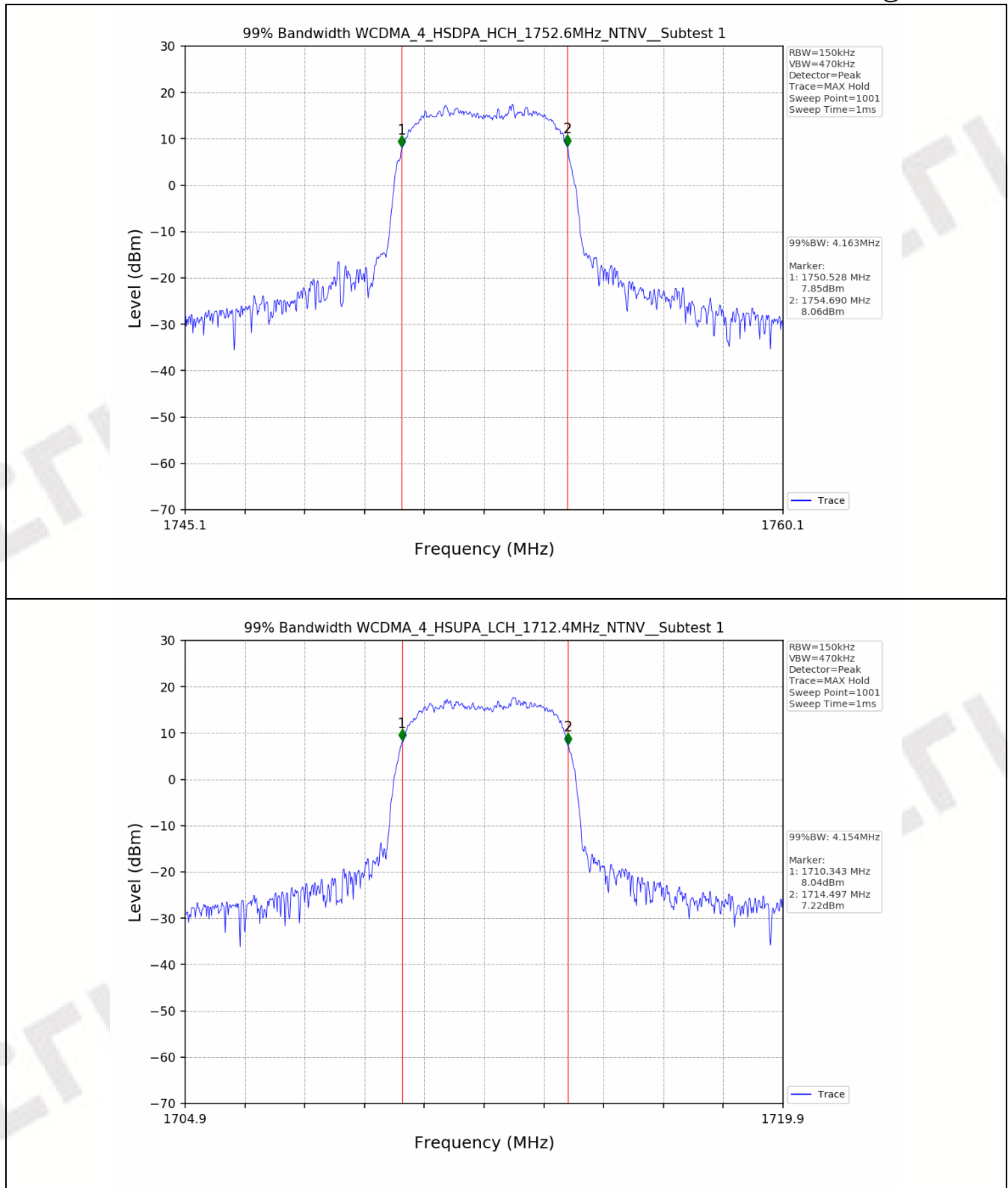
Test Mode	Test Band: 4 99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	4.154	4.151	4.150	N/A	PASS
HSDPA	4.169	4.141	4.163	N/A	PASS
RMC	4.161	4.142	4.157	N/A	PASS

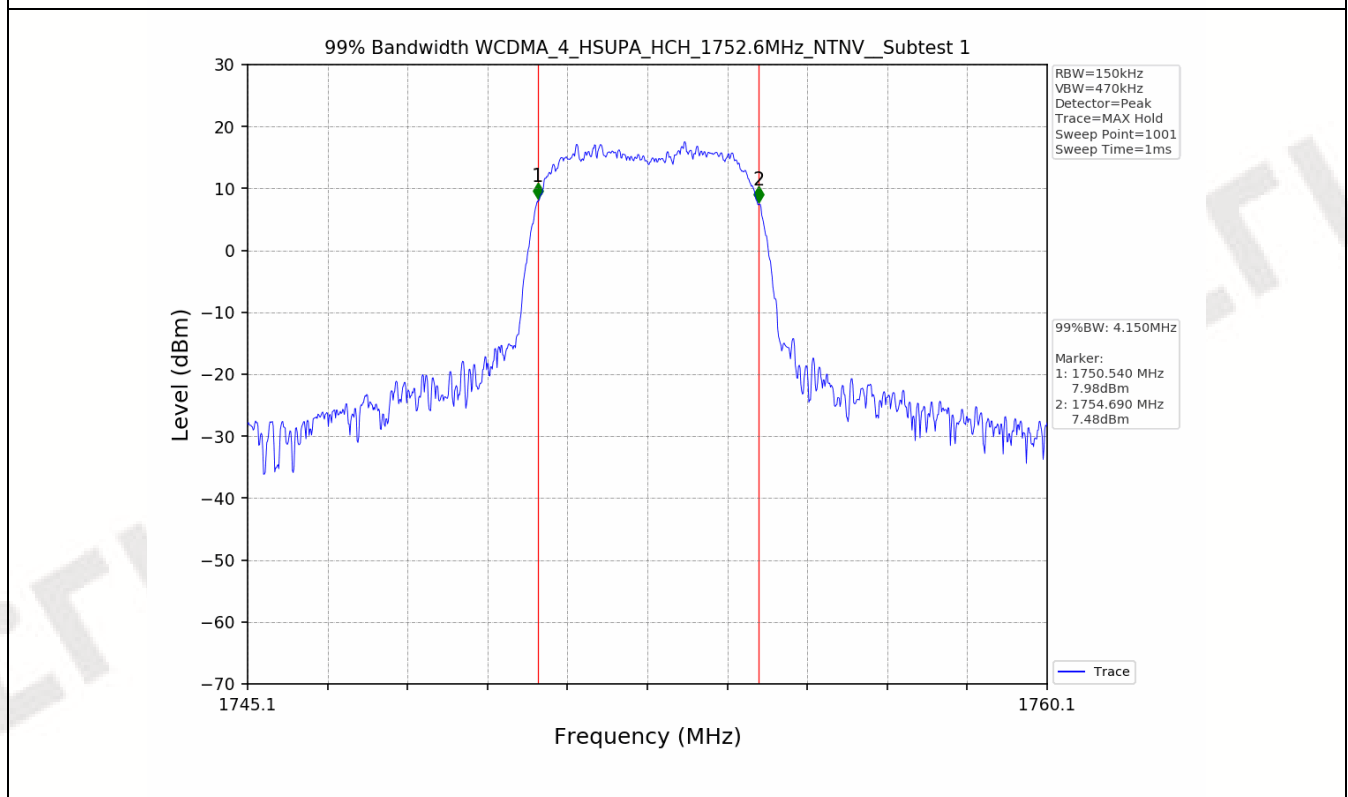
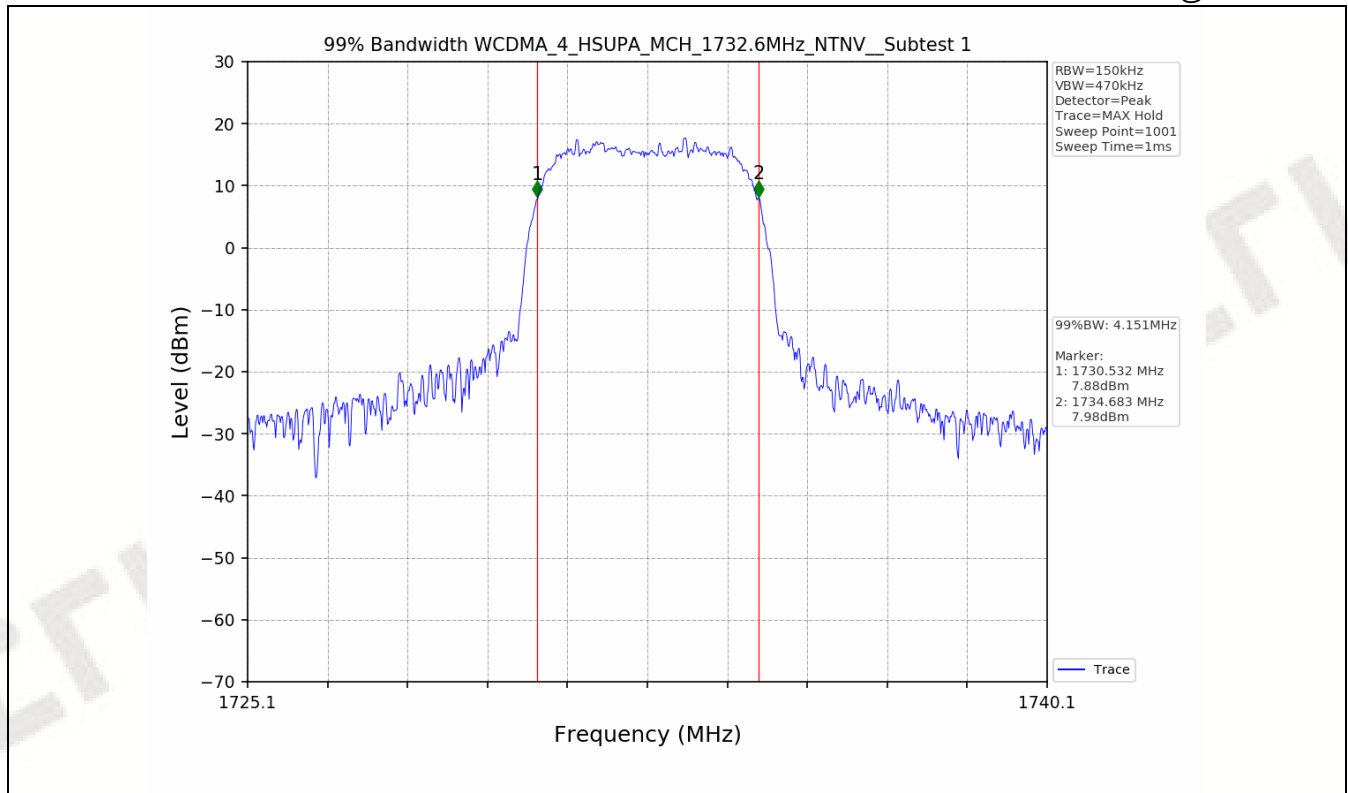
4.2 Test Graph







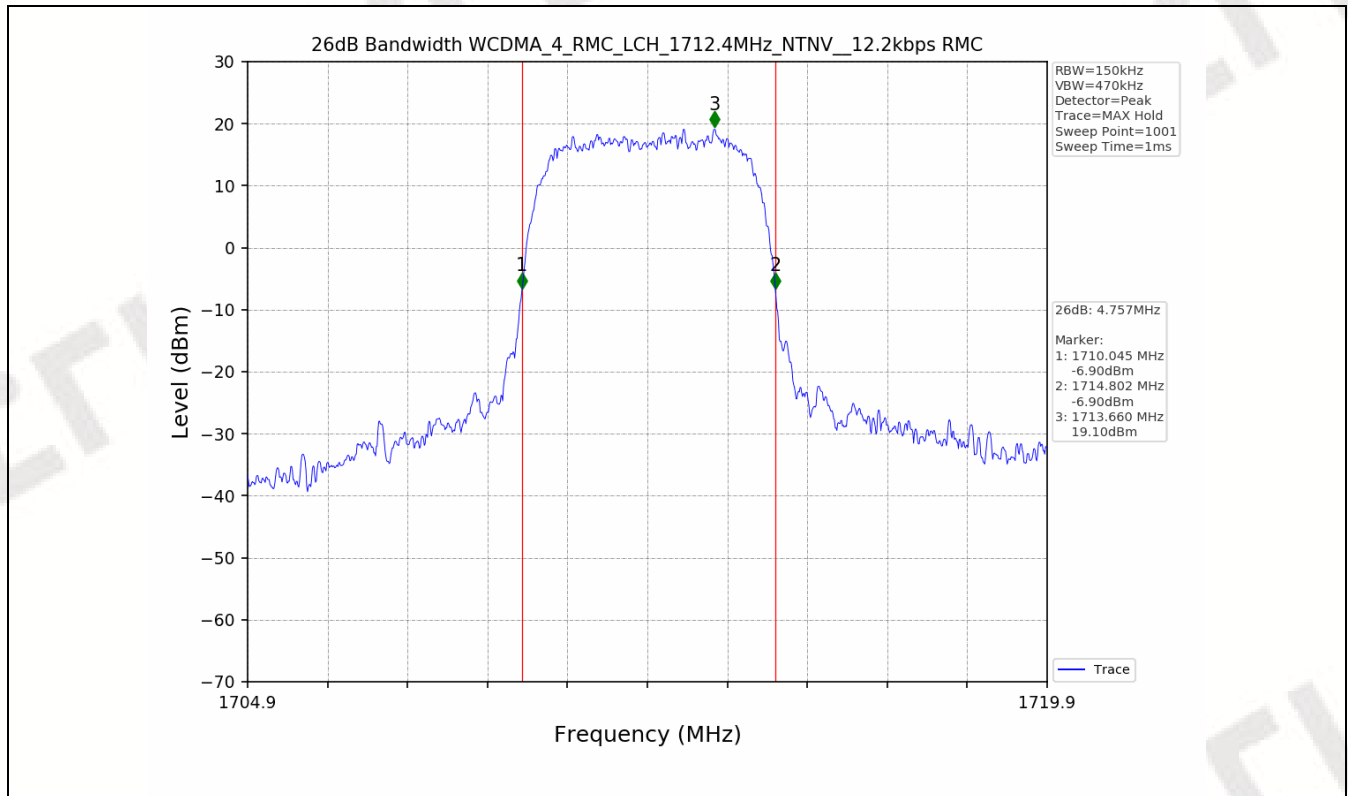


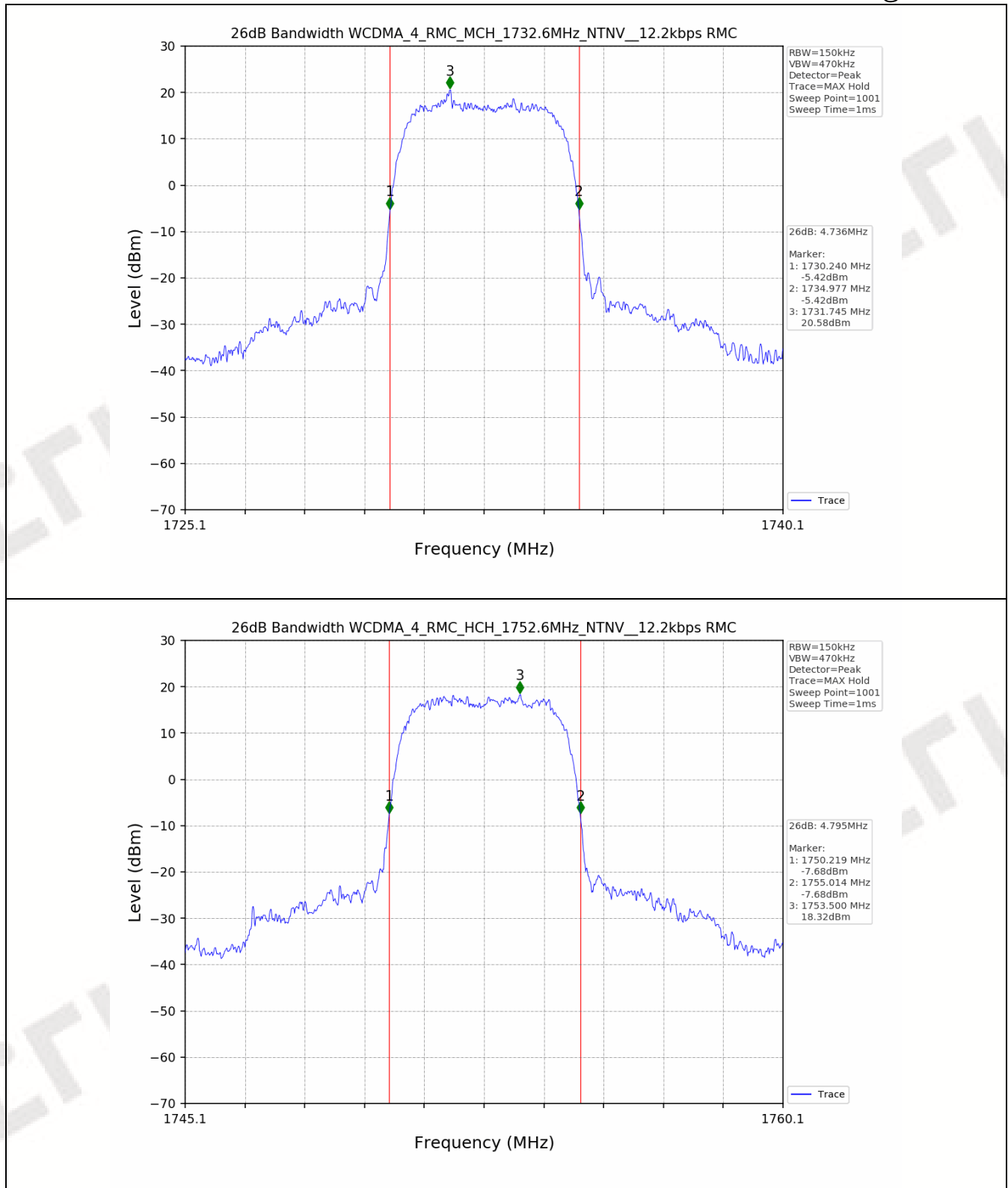


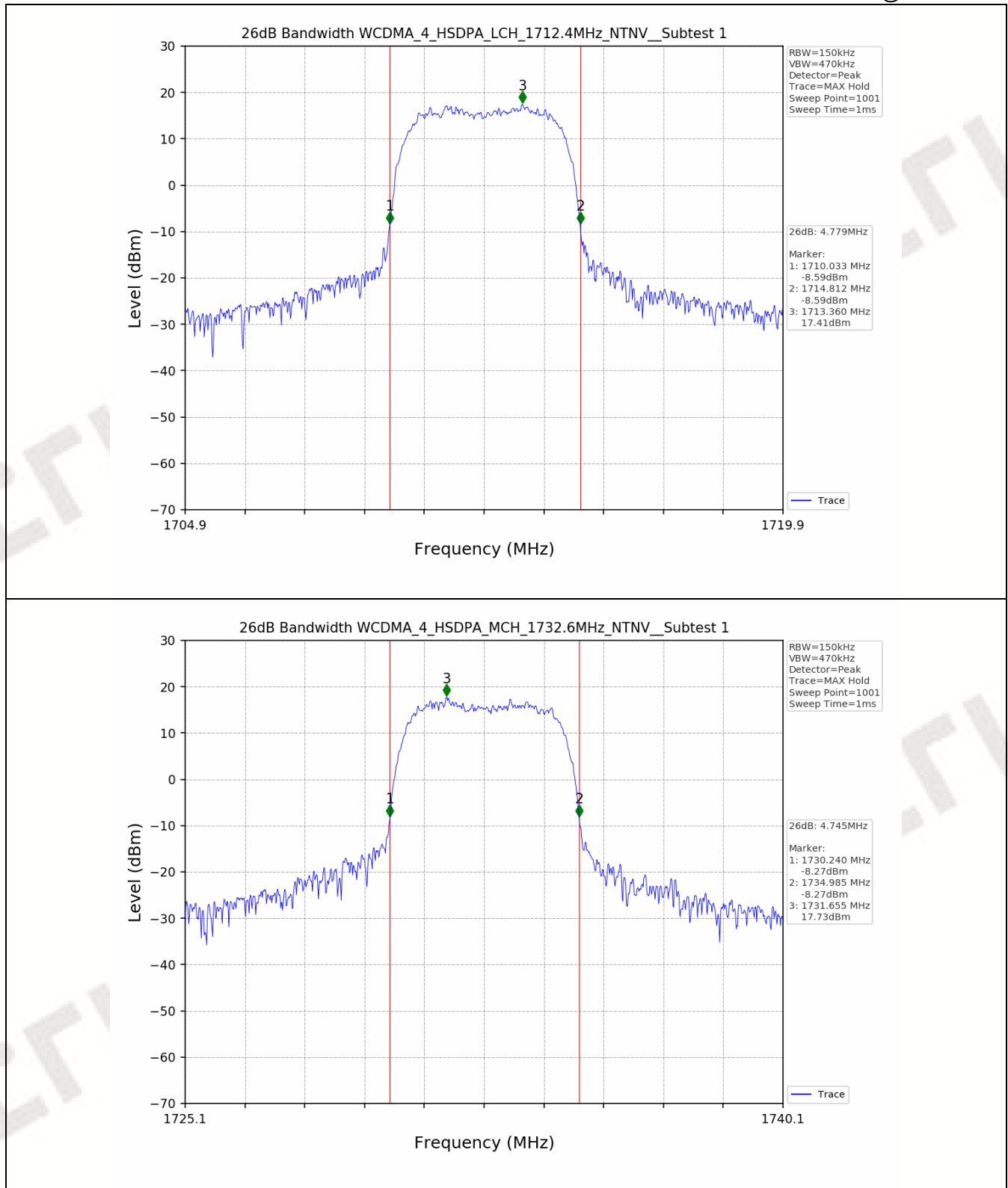


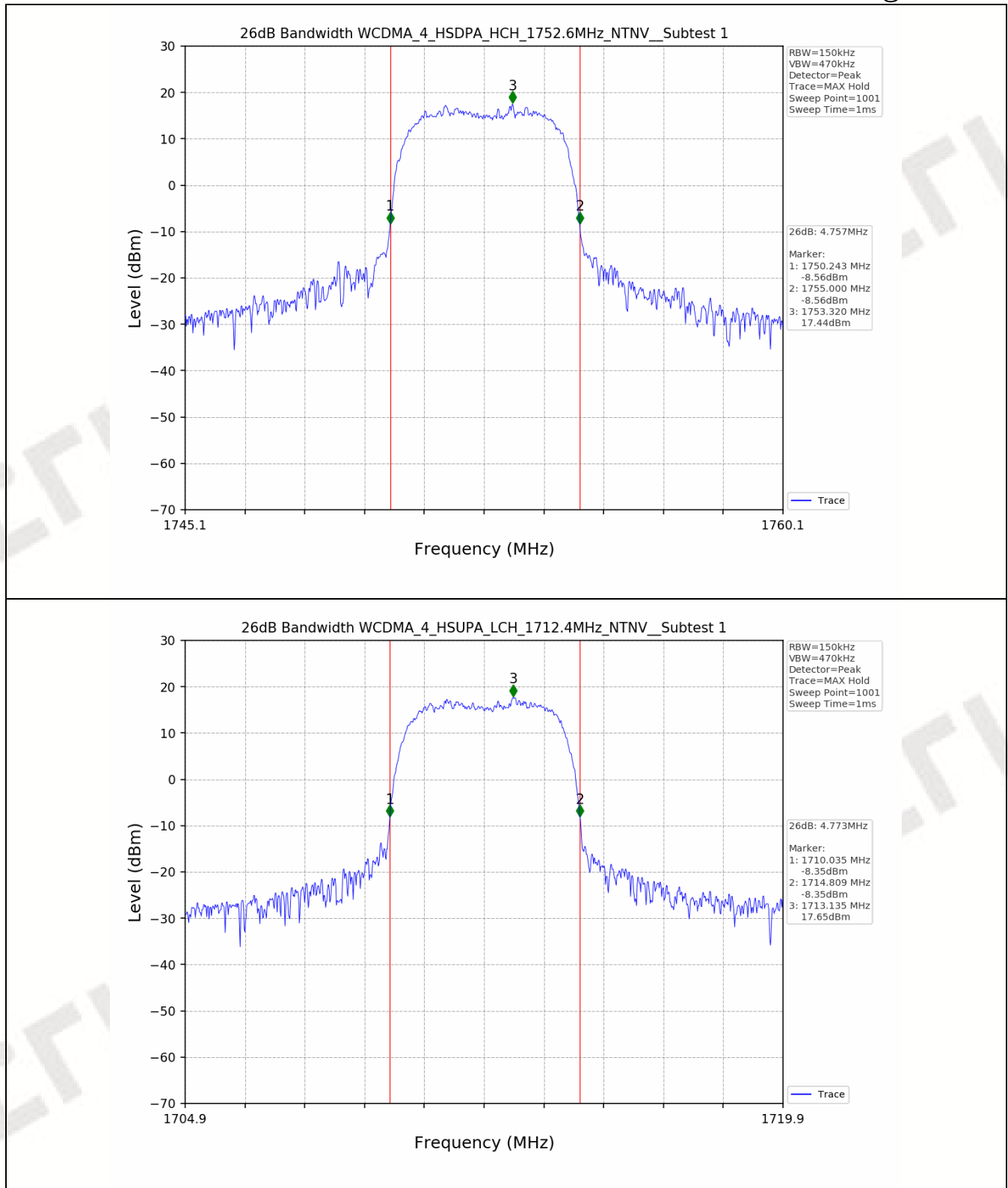
Test Band: 4					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	4.773	4.748	4.775	N/A	PASS
HSDPA	4.779	4.745	4.757	N/A	PASS
RMC	4.757	4.736	4.795	N/A	PASS

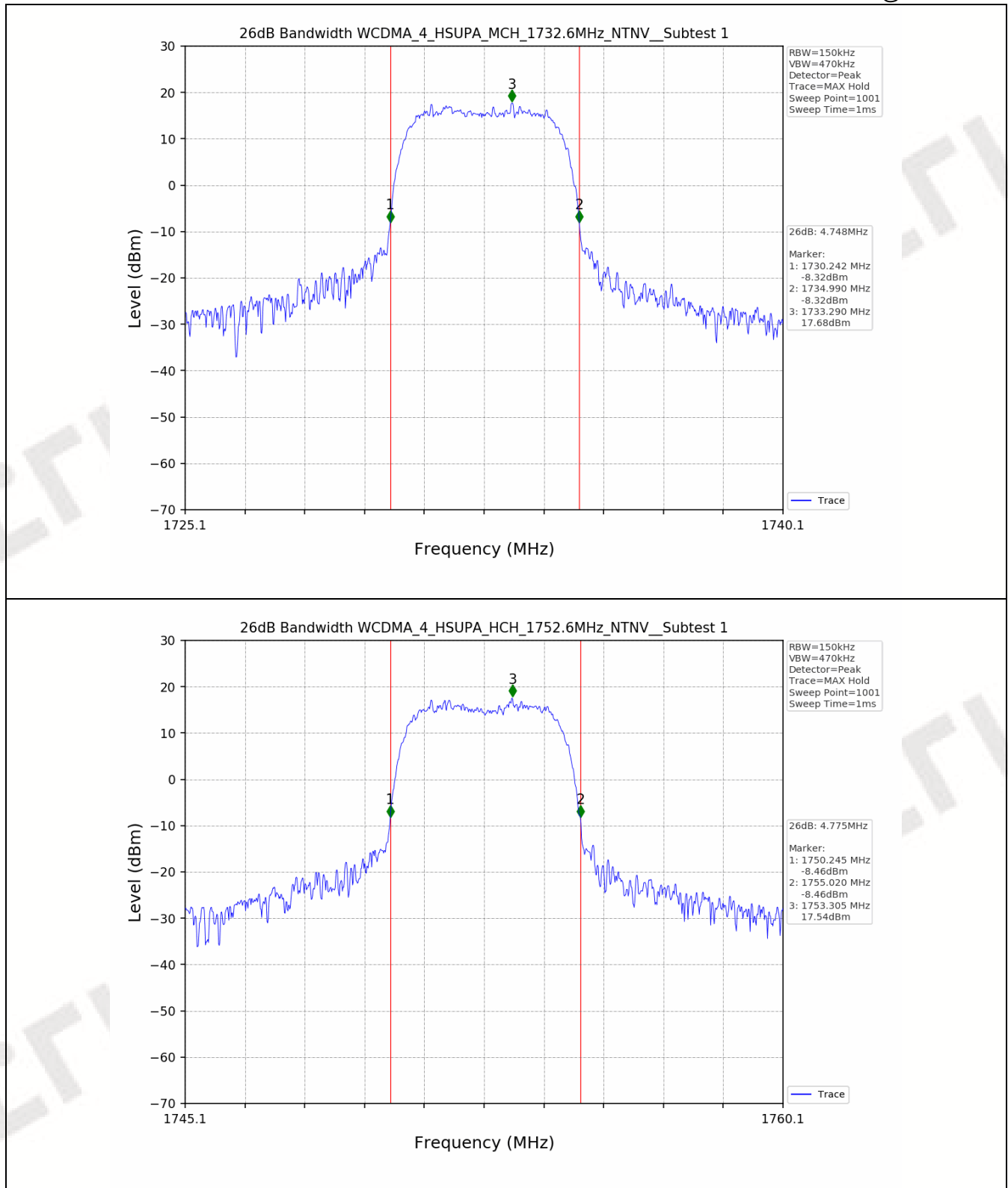
4.2 Test Graph











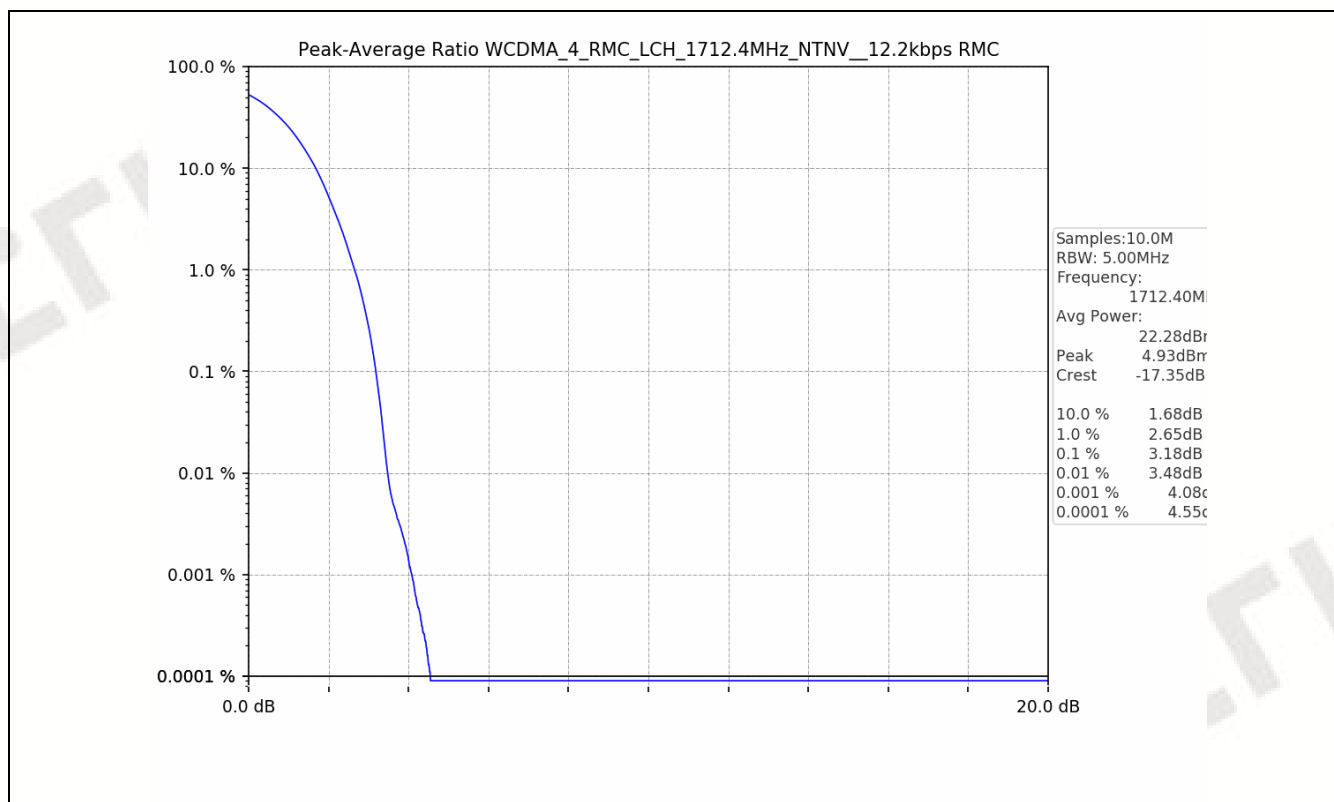


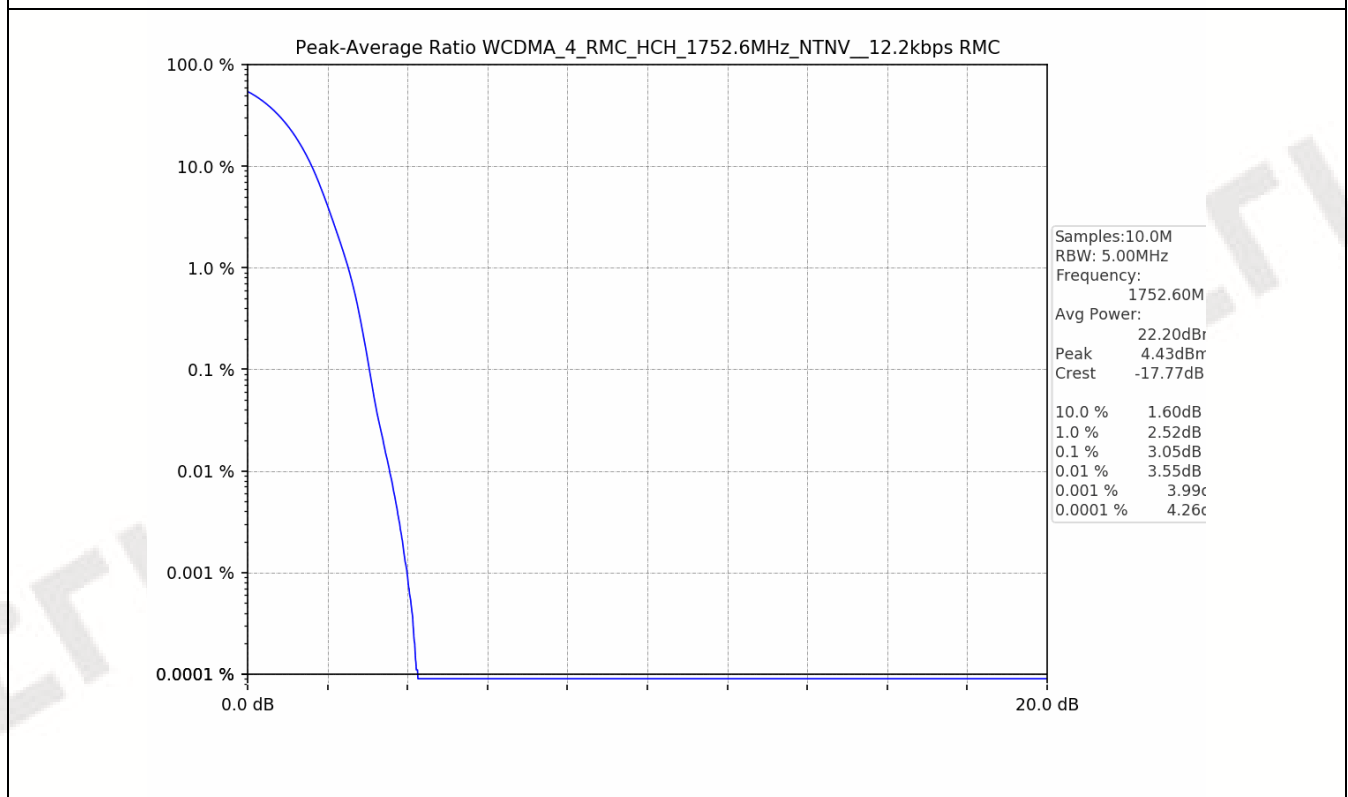
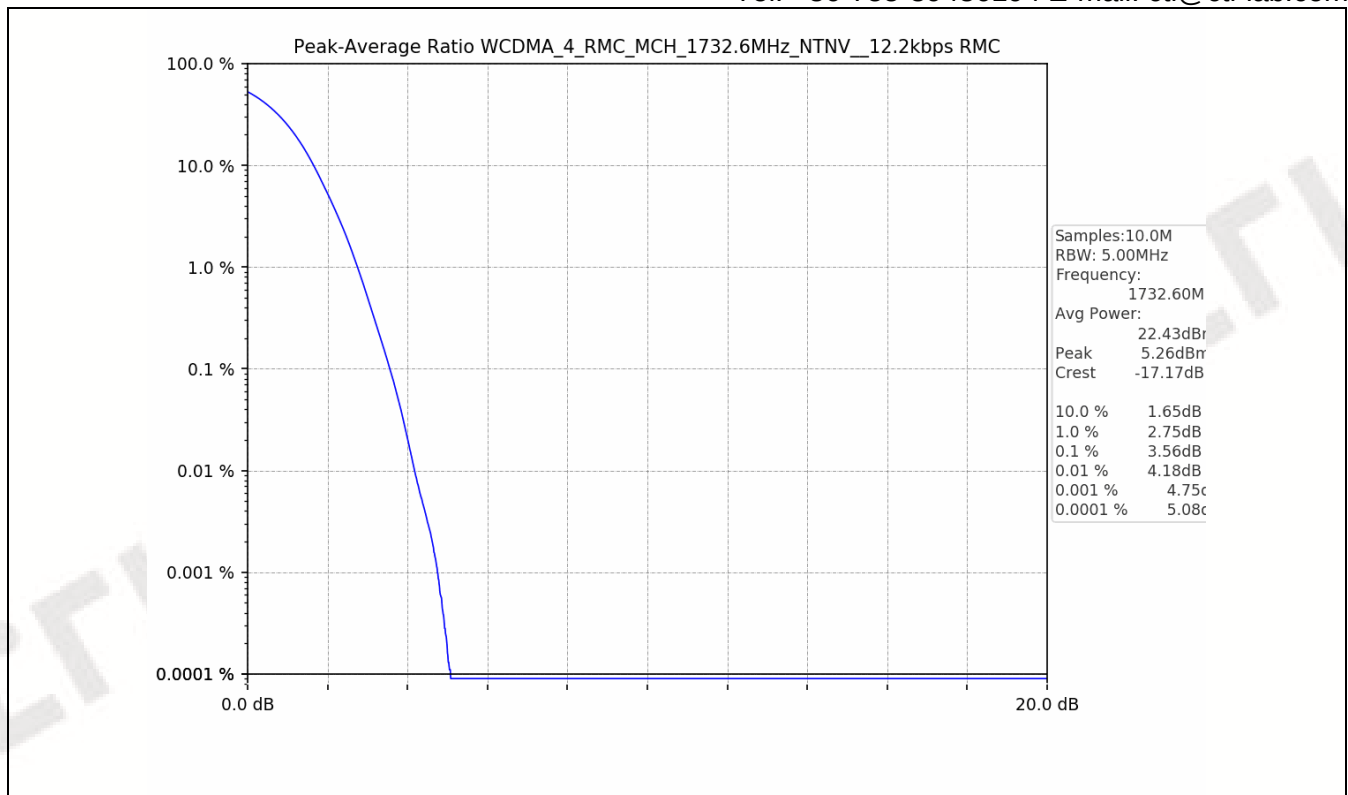
5. Peak-Average Ratio

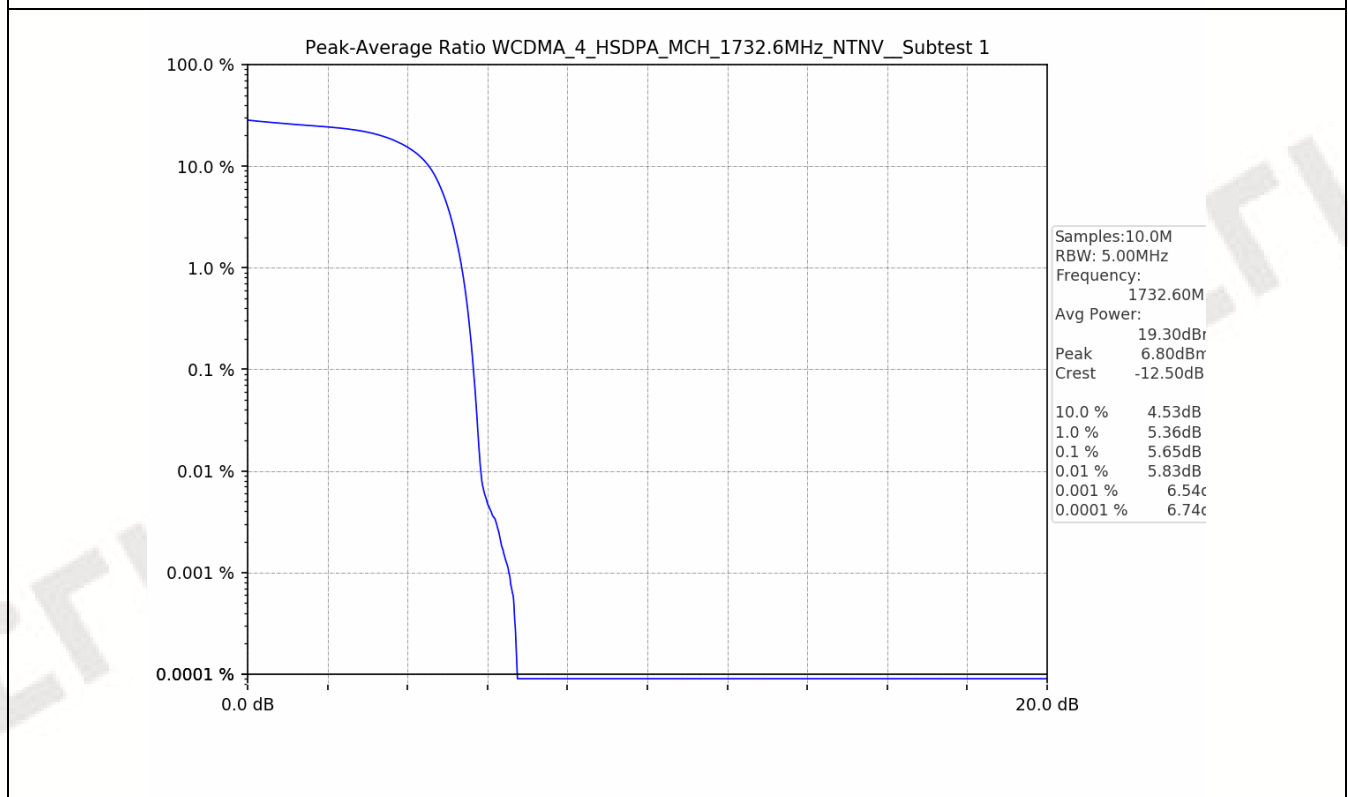
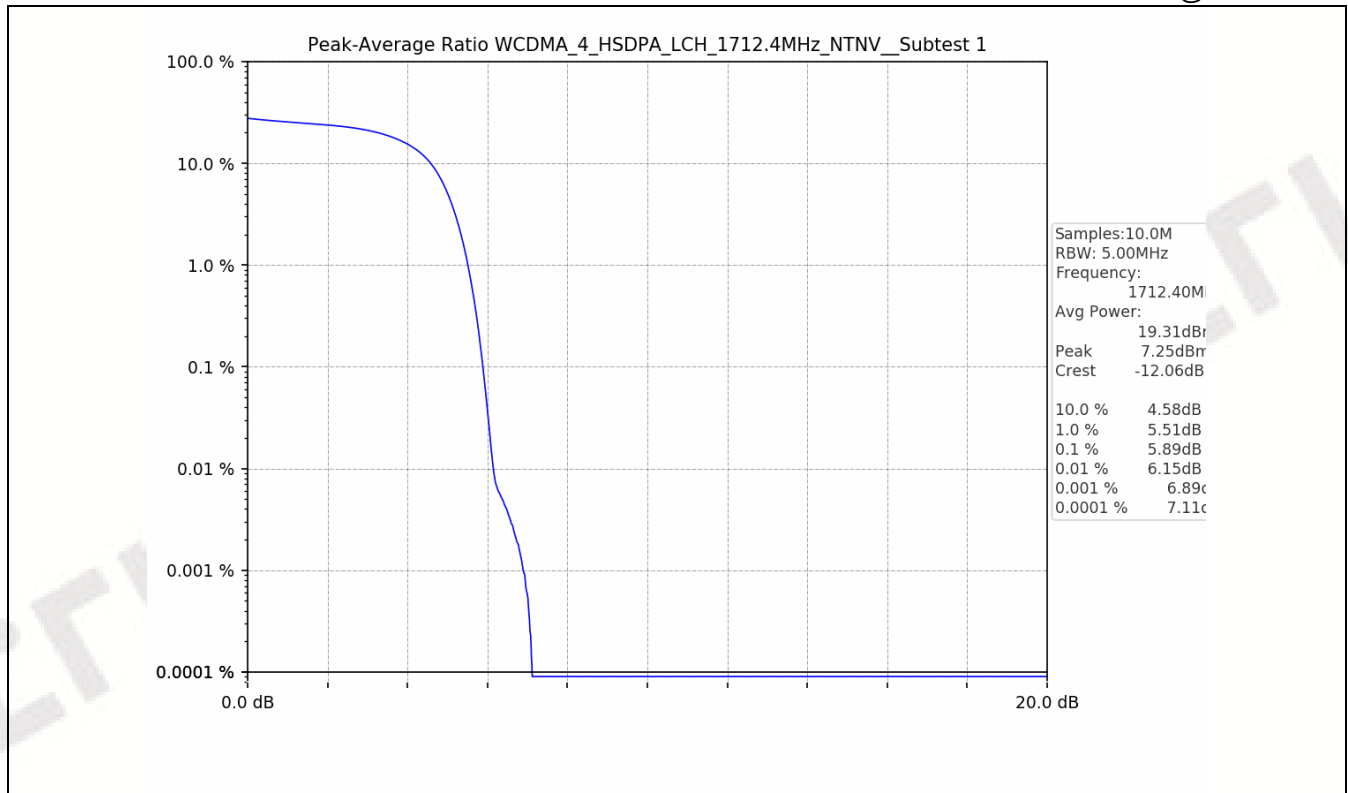
5.1 Test Result

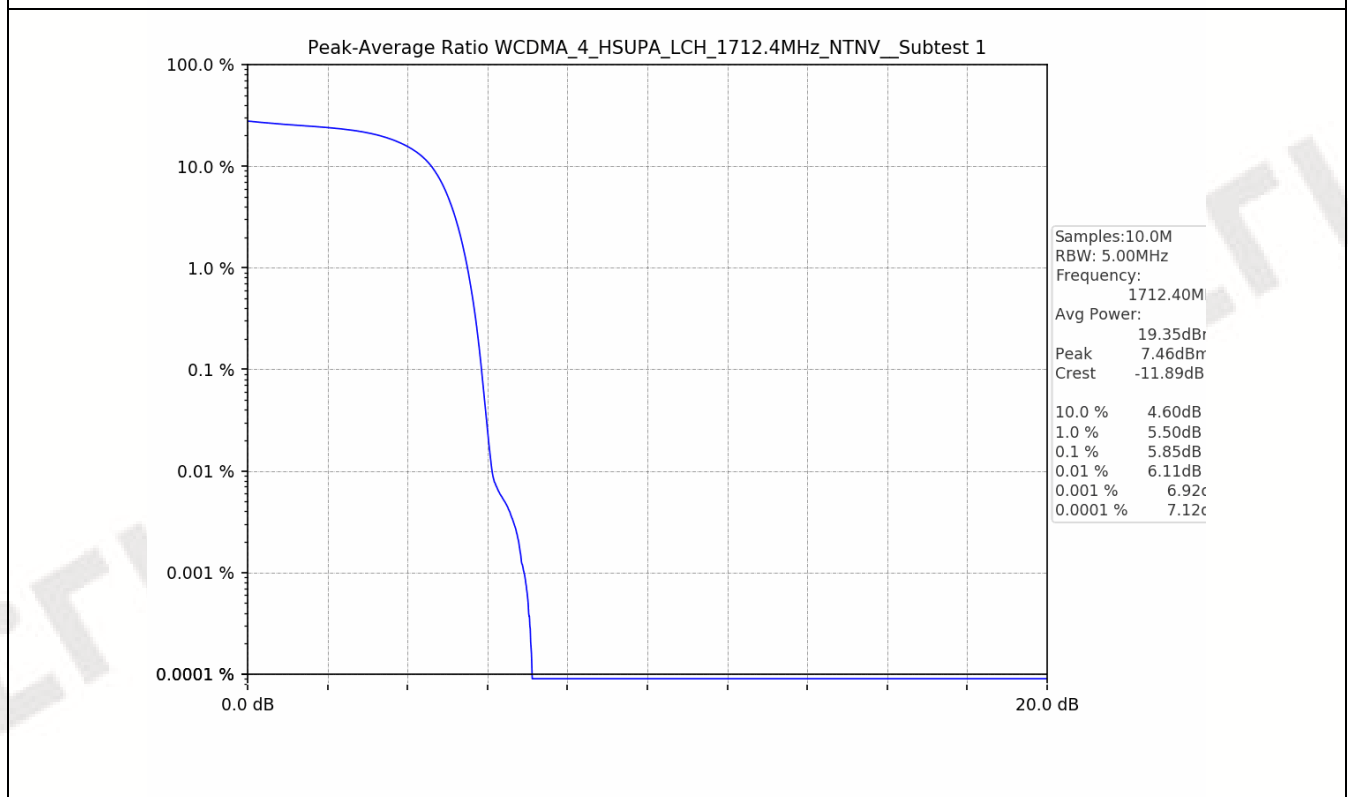
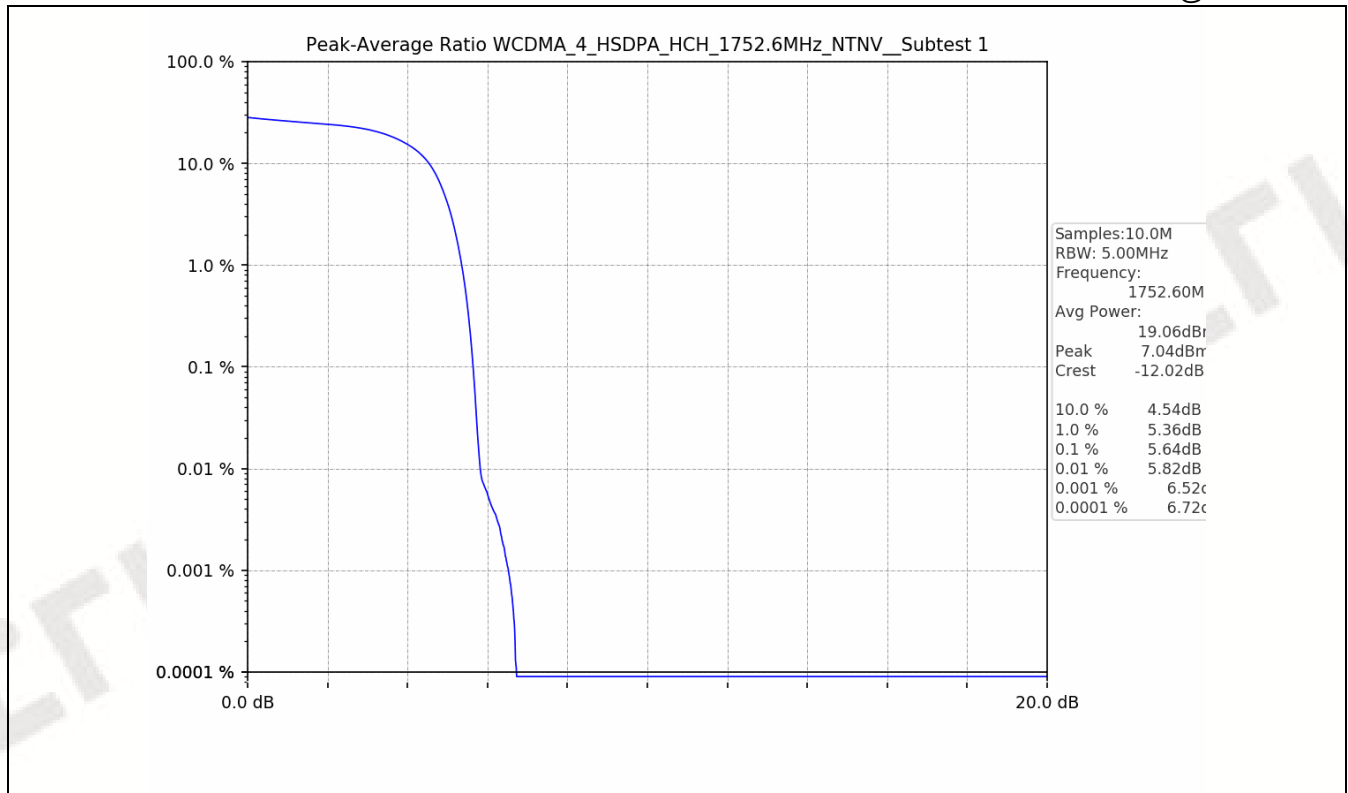
Test Band: 4					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
HSUPA	5.85	5.65	5.59	13	PASS
HSDPA	5.89	5.65	5.64	13	PASS
RMC	3.18	3.56	3.05	13	PASS

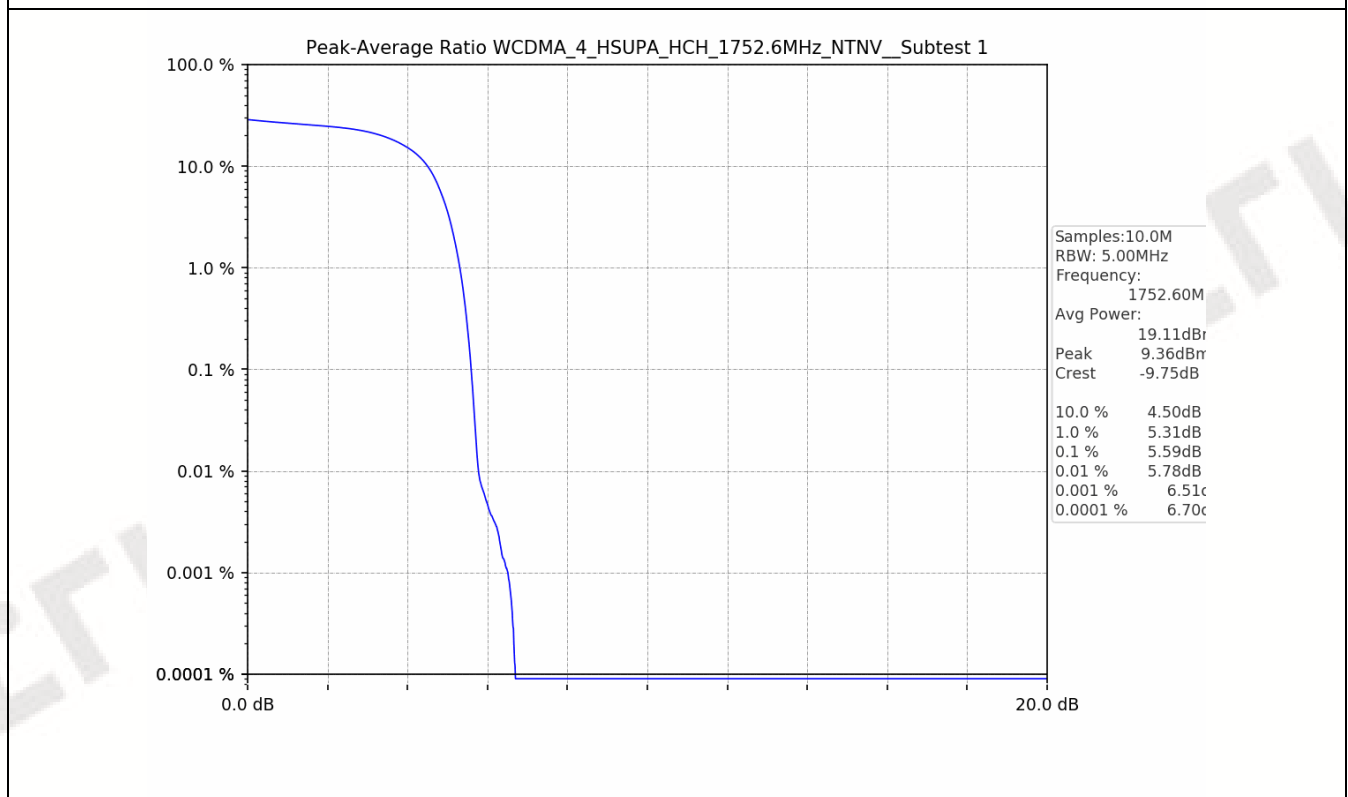
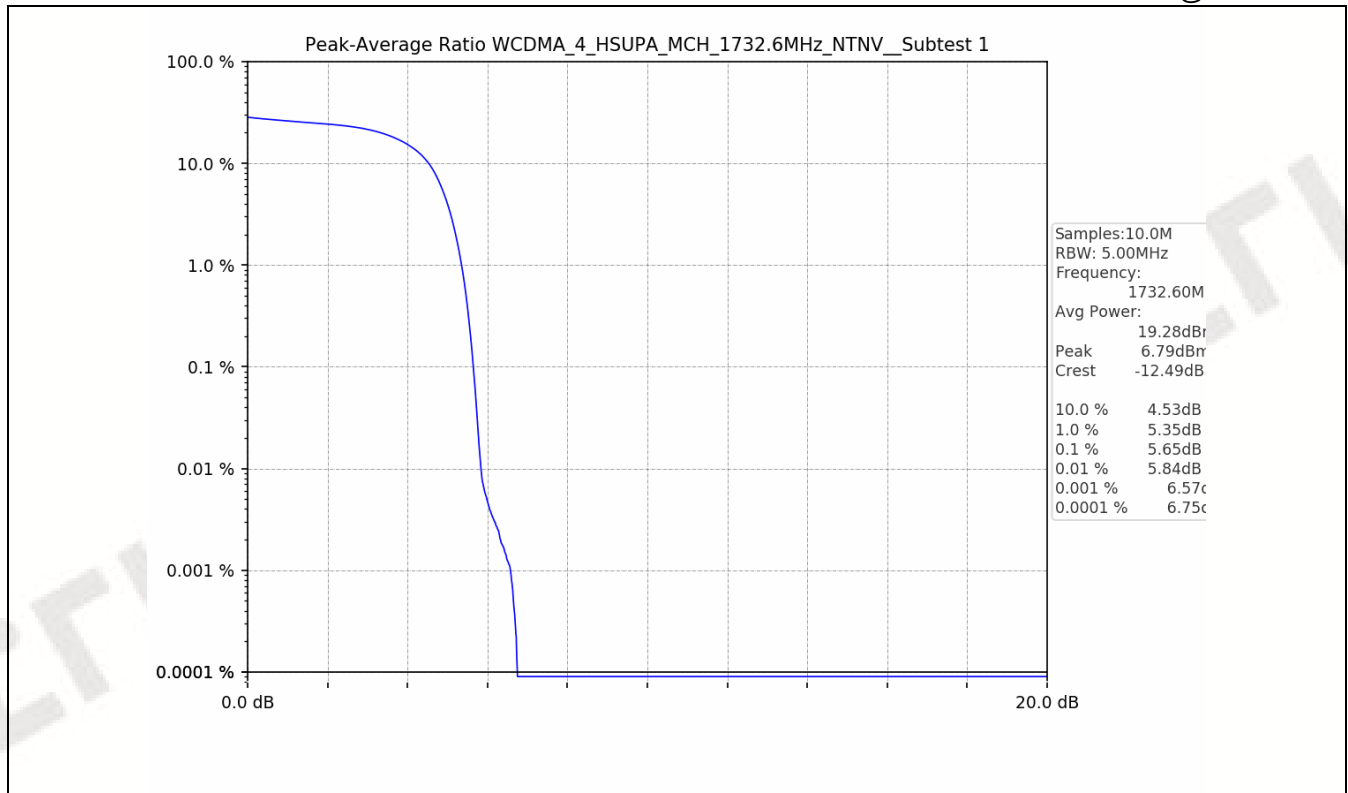
5.2 Test Graph













6. Spurious Emission

6.1 Test Graph

