

Test Band: 5											
Test Mode		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
		LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
HSUPA	Subtest 1	18.22	17.99	17.83	-1.25	0.9	16.97	16.74	16.58	38.45	PASS
	Subtest 2	17.85	18.71	18.43	-1.25	0.9	16.60	17.46	17.18	38.45	PASS
	Subtest 3	18.05	18.12	18.17	-1.25	0.9	16.80	16.87	16.92	38.45	PASS
	Subtest 4	18.27	18.16	18.19	-1.25	0.9	17.02	16.91	16.94	38.45	PASS
	Subtest 5	18.65	16.94	18.09	-1.25	0.9	17.40	15.69	16.84	38.45	PASS
HSDPA	Subtest 1	18.21	18.20	18.66	-1.25	0.9	16.96	16.95	17.41	38.45	PASS
	Subtest 2	18.15	18.04	18.47	-1.25	0.9	16.90	16.79	17.22	38.45	PASS
	Subtest 3	18.18	17.74	18.07	-1.25	0.9	16.93	16.49	16.82	38.45	PASS
	Subtest 4	17.91	17.81	17.80	-1.25	0.9	16.66	16.56	16.55	38.45	PASS
RMC	12.2kbps RMC	22.37	22.37	22.48	-1.25	0.9	21.12	21.12	21.23	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: 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	4.6846	5.5221	14.8833	0.0025	0.0029	0.0078	2.50	PASS
		NV	9.6215	3.8052	1.7578	0.0052	0.002	0.0009	2.50	PASS
		HV	13.8915	10.5198	13.8022	0.0075	0.0056	0.0072	2.50	PASS
HSDPA	NT	LV	5.2784	13.6830	12.6863	0.0028	0.0073	0.0067	2.50	PASS
		NV	2.4024	3.5169	9.9224	0.0013	0.0019	0.0052	2.50	PASS
		HV	1.4618	10.5659	0.3398	0.0008	0.0056	0.0002	2.50	PASS
RMC	NT	LV	1.8403	7.5653	0.0456	0.001	0.004	0	2.50	PASS
		NV	11.2228	14.4893	7.9641	0.0061	0.0077	0.0042	2.50	PASS
		HV	8.7039	6.6714	12.2477	0.0047	0.0035	0.0064	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	5.4185	0.1708	4.5334	0.0029	0.0001	0.0024	2.50	PASS
		-20.00	13.2783	3.1640	13.2037	0.0072	0.0017	0.0069	2.50	PASS
		-10.00	11.2097	8.8386	6.7659	0.0061	0.0047	0.0035	2.50	PASS
		0.00	13.0119	11.5104	12.0859	0.007	0.0061	0.0063	2.50	PASS
		10.00	6.5195	12.2363	5.4187	0.0035	0.0065	0.0028	2.50	PASS
		20.00	12.8697	4.2671	5.3847	0.0069	0.0023	0.0028	2.50	PASS
		30.00	10.0386	8.8309	2.2409	0.0054	0.0047	0.0012	2.50	PASS
		40.00	5.9612	10.7453	8.5819	0.0032	0.0057	0.0045	2.50	PASS
HSDPA	NV	50.00	14.6765	6.6736	14.2975	0.0079	0.0035	0.0075	2.50	PASS
		-30.00	13.2778	6.3323	6.7117	0.0072	0.0034	0.0035	2.50	PASS
		-20.00	13.1798	8.6912	7.4677	0.0071	0.0046	0.0039	2.50	PASS
		-10.00	3.2175	0.5606	7.7560	0.0017	0.0003	0.0041	2.50	PASS
		0.00	13.6436	3.4228	3.8244	0.0074	0.0018	0.002	2.50	PASS
		10.00	4.8817	8.5244	7.6964	0.0026	0.0045	0.004	2.50	PASS
		20.00	8.1990	9.8109	6.3720	0.0044	0.0052	0.0033	2.50	PASS
		30.00	5.2790	12.9965	3.5124	0.0028	0.0069	0.0018	2.50	PASS
RMC	NV	40.00	8.9055	8.0978	11.5451	0.0048	0.0043	0.0061	2.50	PASS
		50.00	4.9659	14.1382	9.5285	0.0027	0.0075	0.005	2.50	PASS
		-30.00	3.4636	10.6960	13.3917	0.0019	0.0057	0.007	2.50	PASS
		-20.00	6.9683	13.2378	10.7765	0.0038	0.007	0.0056	2.50	PASS
		-10.00	14.3998	12.7757	12.6492	0.0078	0.0068	0.0066	2.50	PASS
		0.00	14.8815	8.8063	12.7085	0.008	0.0047	0.0067	2.50	PASS
		10.00	11.6447	4.5380	3.2717	0.0063	0.0024	0.0017	2.50	PASS
		20.00	14.6536	4.7853	11.0041	0.0079	0.0025	0.0058	2.50	PASS
30.00	8.5888	8.3413	12.6459	0.0046	0.0044	0.0066	2.50	PASS		
40.00	7.8249	5.6007	10.6385	0.0042	0.003	0.0056	2.50	PASS		
50.00	1.9927	5.3089	0.1626	0.0011	0.0028	0.0001	2.50	PASS		

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	13.1699	13.4897	13.4866	0.0077	0.0078	0.0077	2.50	PASS
		NV	9.6890	6.2583	12.5495	0.0057	0.0036	0.0072	2.50	PASS
		HV	7.9151	13.5112	4.3520	0.0046	0.0078	0.0025	2.50	PASS
HSDPA	NT	LV	9.4936	13.5548	10.6823	0.0055	0.0078	0.0061	2.50	PASS
		NV	1.5568	10.5279	4.5200	0.0009	0.0061	0.0026	2.50	PASS
		HV	5.9654	6.5083	12.8613	0.0035	0.0038	0.0073	2.50	PASS
RMC	NT	LV	6.4144	7.9336	1.2866	0.0037	0.0046	0.0007	2.50	PASS
		NV	3.7679	3.9372	3.0026	0.0022	0.0023	0.0017	2.50	PASS
		HV	10.9292	0.8608	7.6170	0.0064	0.0005	0.0043	2.50	PASS

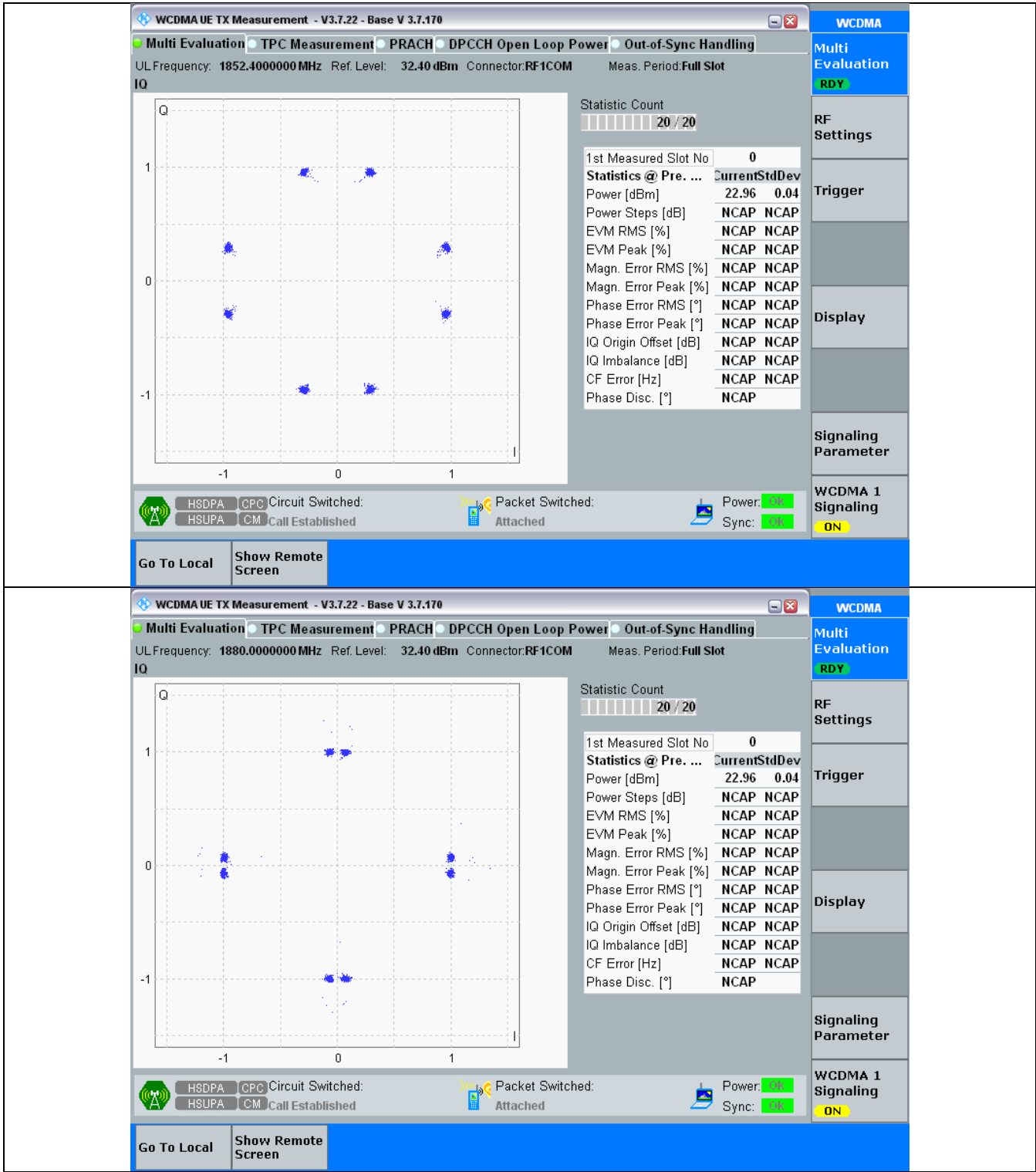
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Test Mode	Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
HSUPA	NV	-30.00	14.1300	13.3974	8.7392	0.0083	0.0077	0.005	2.50	PASS
		-20.00	8.3979	0.6195	6.8956	0.0049	0.0004	0.0039	2.50	PASS
		-10.00	14.7639	3.6644	3.4097	0.0086	0.0021	0.0019	2.50	PASS
		0.00	5.3767	13.8202	3.6595	0.0031	0.008	0.0021	2.50	PASS
		10.00	8.6438	5.7667	3.6918	0.005	0.0033	0.0021	2.50	PASS
		20.00	7.6673	2.2791	12.8783	0.0045	0.0013	0.0073	2.50	PASS
		30.00	1.1509	7.9092	8.3082	0.0007	0.0046	0.0047	2.50	PASS
		40.00	5.1318	3.1927	4.9960	0.003	0.0018	0.0029	2.50	PASS
		50.00	13.0568	13.6673	14.1984	0.0076	0.0079	0.0081	2.50	PASS
HSDPA	NV	-30.00	7.4695	13.6064	13.0011	0.0044	0.0079	0.0074	2.50	PASS
		-20.00	7.1086	2.9285	10.2921	0.0042	0.0017	0.0059	2.50	PASS
		-10.00	3.4468	2.2606	4.5841	0.002	0.0013	0.0026	2.50	PASS
		0.00	4.7599	2.6904	4.9461	0.0028	0.0016	0.0028	2.50	PASS
		10.00	11.7862	8.2152	3.3810	0.0069	0.0047	0.0019	2.50	PASS
		20.00	9.3532	10.4702	6.1171	0.0055	0.006	0.0035	2.50	PASS
		30.00	13.0974	14.8288	11.3471	0.0076	0.0086	0.0065	2.50	PASS
		40.00	6.6999	13.6008	13.5536	0.0039	0.0078	0.0077	2.50	PASS
		50.00	1.7041	4.1889	8.9142	0.001	0.0024	0.0051	2.50	PASS
RMC	NV	-30.00	2.9784	0.3800	3.8224	0.0017	0.0002	0.0022	2.50	PASS
		-20.00	5.4477	11.6741	6.3215	0.0032	0.0067	0.0036	2.50	PASS
		-10.00	11.6565	10.4170	6.9907	0.0068	0.006	0.004	2.50	PASS
		0.00	0.2029	1.5280	2.0770	0.0001	0.0009	0.0012	2.50	PASS
		10.00	4.0692	8.6214	11.0813	0.0024	0.005	0.0063	2.50	PASS
		20.00	2.3271	4.2143	2.6475	0.0014	0.0024	0.0015	2.50	PASS
		30.00	9.7786	1.3920	6.7911	0.0057	0.0008	0.0039	2.50	PASS
		40.00	9.9298	12.5437	9.5429	0.0058	0.0072	0.0054	2.50	PASS
		50.00	2.0657	5.6741	10.6810	0.0012	0.0033	0.0061	2.50	PASS

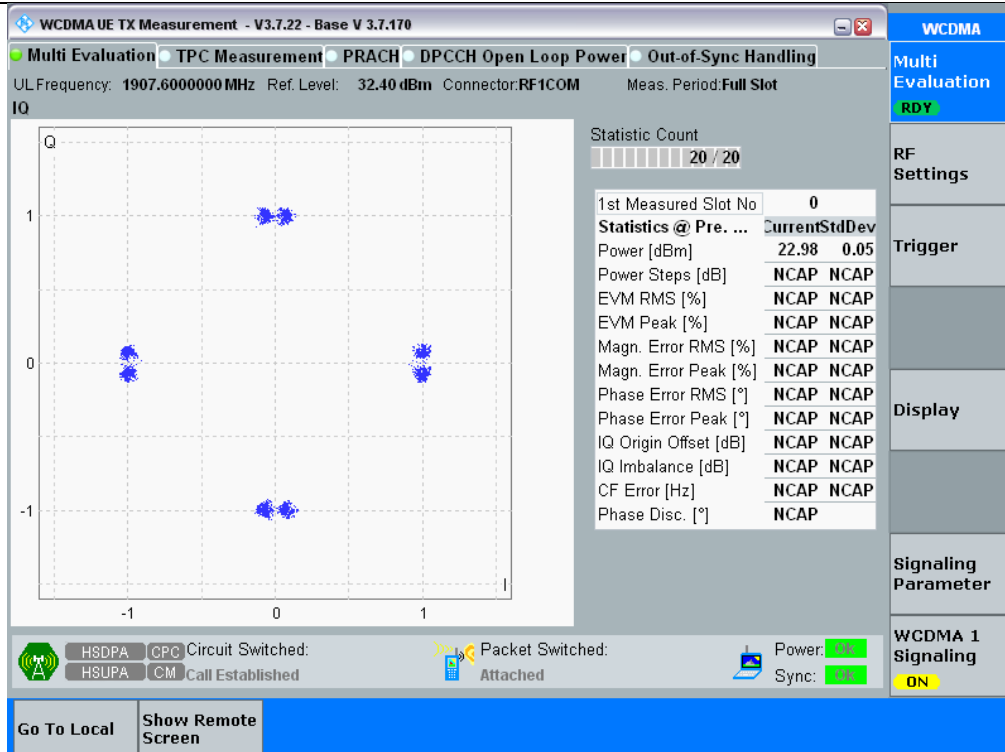
Test Band: 5 (Frequency Error VS. Voltage)										
Test Mode	Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
HSUPA	NT	LV	6.2534	8.7362	10.3016	0.0076	0.0104	0.0122	2.50	PASS
		NV	1.2390	6.3452	11.9947	0.0015	0.0076	0.0142	2.50	PASS
		HV	7.1049	4.5265	8.2179	0.0086	0.0054	0.0097	2.50	PASS
HSDPA	NT	LV	13.8614	12.0210	0.6094	0.0168	0.0144	0.0007	2.50	PASS
		NV	4.6057	2.5602	6.8937	0.0056	0.0031	0.0081	2.50	PASS
		HV	6.7818	1.0032	4.8373	0.0082	0.0012	0.0057	2.50	PASS
RMC	NT	LV	14.5754	14.6065	14.6226	0.0176	0.0175	0.0173	2.50	PASS
		NV	6.8297	12.5656	0.7291	0.0083	0.015	0.0009	2.50	PASS
		HV	8.5651	0.9019	4.0143	0.0104	0.0011	0.0047	2.50	PASS

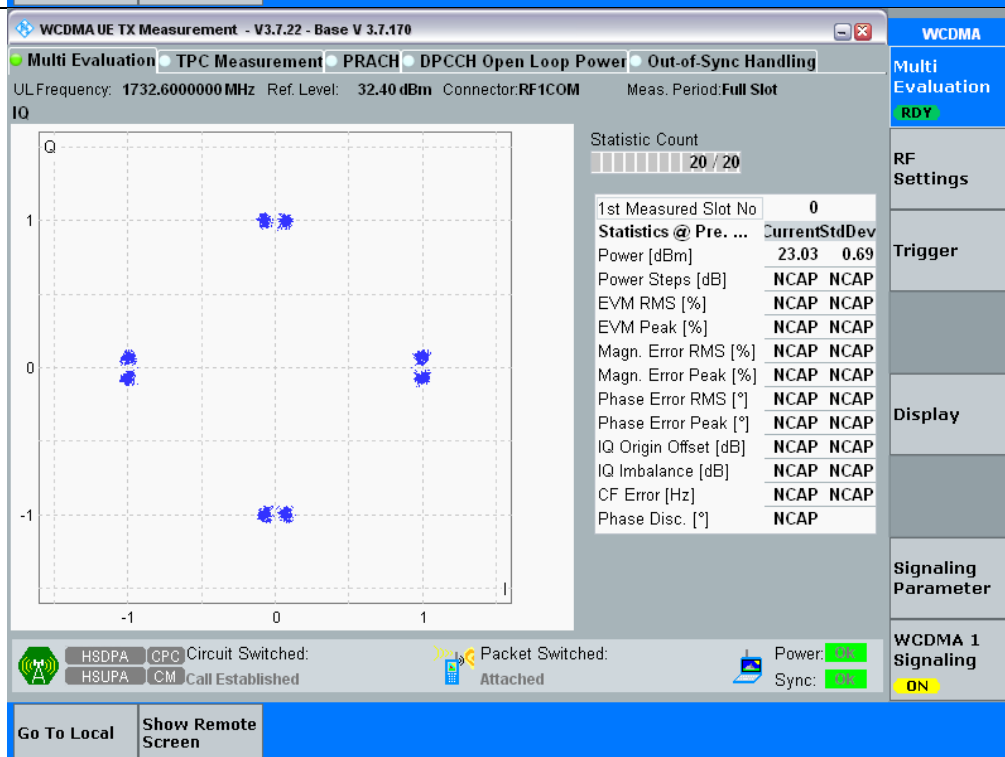
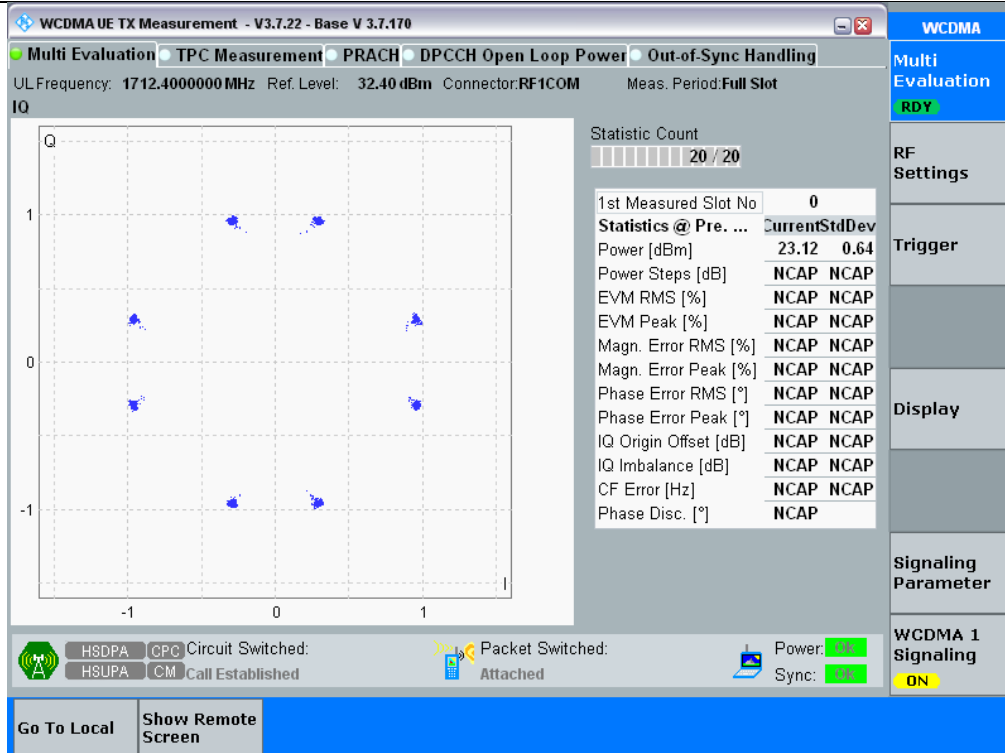
Test Band: 5 (Frequency Error VS. Temperature)										
Test Mode	Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
HSUPA	NV	-30.00	9.8265	6.5738	14.1739	0.0119	0.0079	0.0167	2.50	PASS
		-20.00	14.5448	13.4015	14.0948	0.0176	0.016	0.0166	2.50	PASS
		-10.00	1.0540	4.6884	8.6555	0.0013	0.0056	0.0102	2.50	PASS
		0.00	14.5860	8.4521	13.3003	0.0177	0.0101	0.0157	2.50	PASS
		10.00	1.6420	0.8929	3.4646	0.002	0.0011	0.0041	2.50	PASS
		20.00	3.8328	0.9697	2.0521	0.0046	0.0012	0.0024	2.50	PASS
		30.00	4.5983	11.3603	7.3977	0.0056	0.0136	0.0087	2.50	PASS
		40.00	0.9695	1.1436	4.0861	0.0012	0.0014	0.0048	2.50	PASS
HSDPA	NV	50.00	11.7311	11.2166	6.6143	0.0142	0.0134	0.0078	2.50	PASS
		-30.00	2.3085	9.3568	1.0762	0.0028	0.0112	0.0013	2.50	PASS
		-20.00	4.4252	11.2955	3.1470	0.0054	0.0135	0.0037	2.50	PASS
		-10.00	9.8315	14.1631	9.4189	0.0119	0.0169	0.0111	2.50	PASS
		0.00	6.4169	12.0579	13.0038	0.0078	0.0144	0.0154	2.50	PASS
		10.00	6.4657	11.6018	14.7969	0.0078	0.0139	0.0175	2.50	PASS
		20.00	7.4256	10.4873	1.1974	0.009	0.0125	0.0014	2.50	PASS
		30.00	6.8279	6.1359	13.2427	0.0083	0.0073	0.0156	2.50	PASS
RMC	NV	40.00	1.6894	14.8470	12.4364	0.002	0.0177	0.0147	2.50	PASS
		50.00	3.6732	6.8519	1.2104	0.0044	0.0082	0.0014	2.50	PASS
		-30.00	6.8386	12.2362	1.1179	0.0083	0.0146	0.0013	2.50	PASS
		-20.00	5.7567	14.9302	10.9277	0.007	0.0178	0.0129	2.50	PASS
		-10.00	5.8576	10.6293	3.6794	0.0071	0.0127	0.0043	2.50	PASS
		0.00	5.5731	3.7371	11.5931	0.0067	0.0045	0.0137	2.50	PASS
		10.00	7.6011	11.8837	3.0748	0.0092	0.0142	0.0036	2.50	PASS
		20.00	8.0952	8.2131	3.6699	0.0098	0.0098	0.0043	2.50	PASS
		30.00	9.3994	7.9260	6.4996	0.0114	0.0095	0.0077	2.50	PASS
		40.00	0.0361	10.3268	2.0143	0	0.0123	0.0024	2.50	PASS
		50.00	13.0261	0.9432	9.2583	0.0158	0.0011	0.0109	2.50	PASS

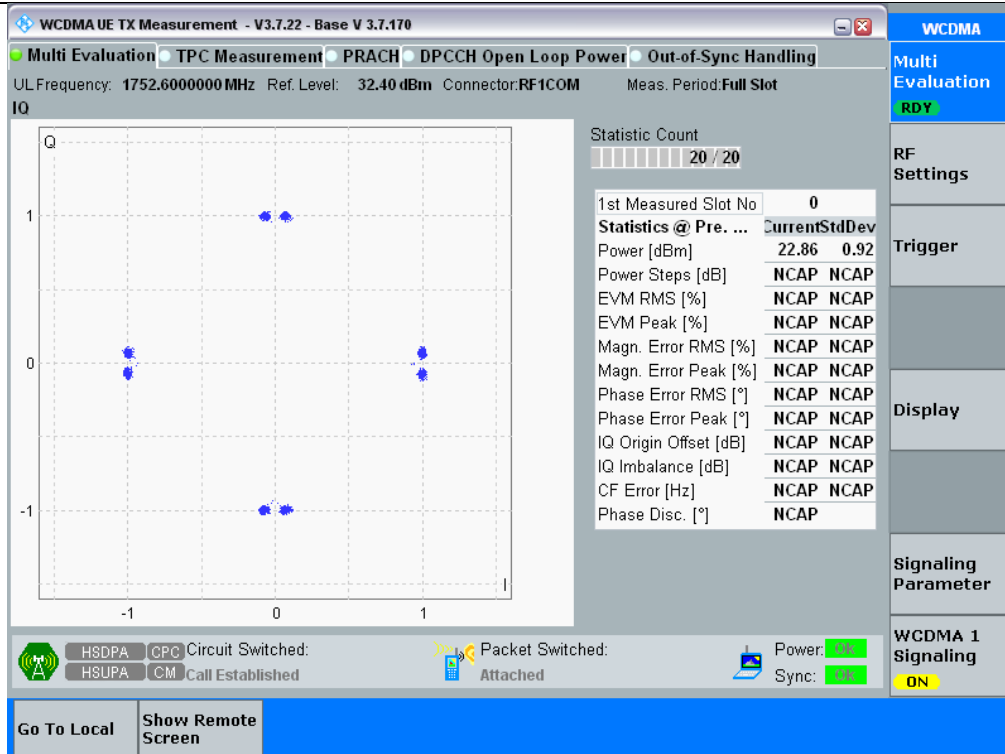
3. Modulation Characteristics

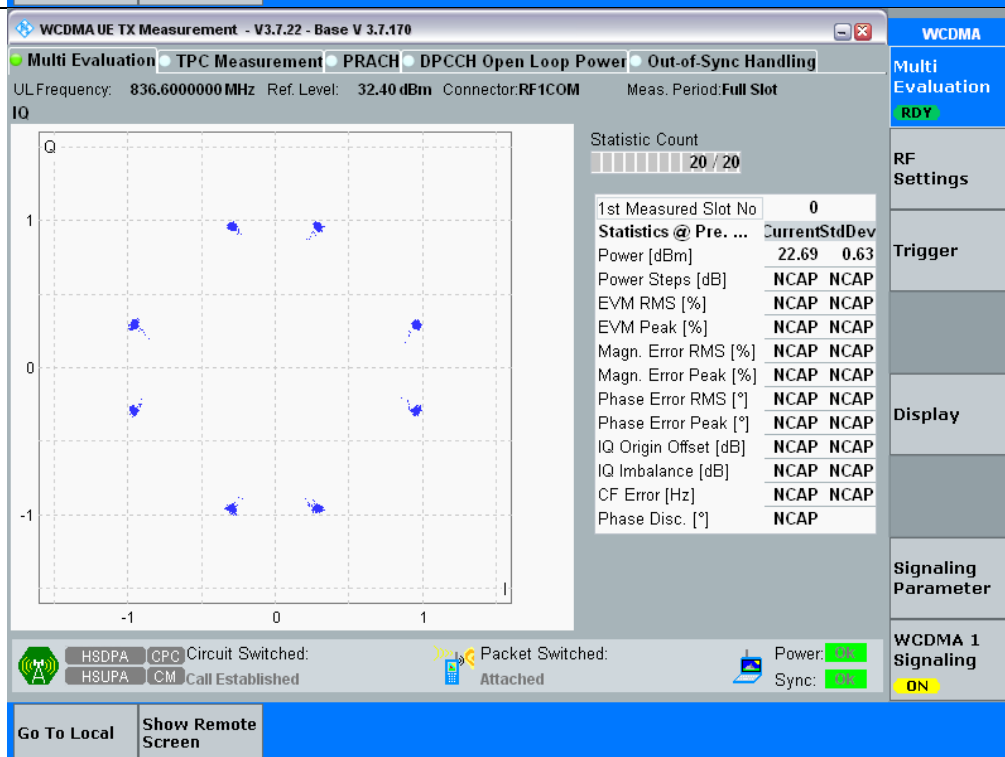
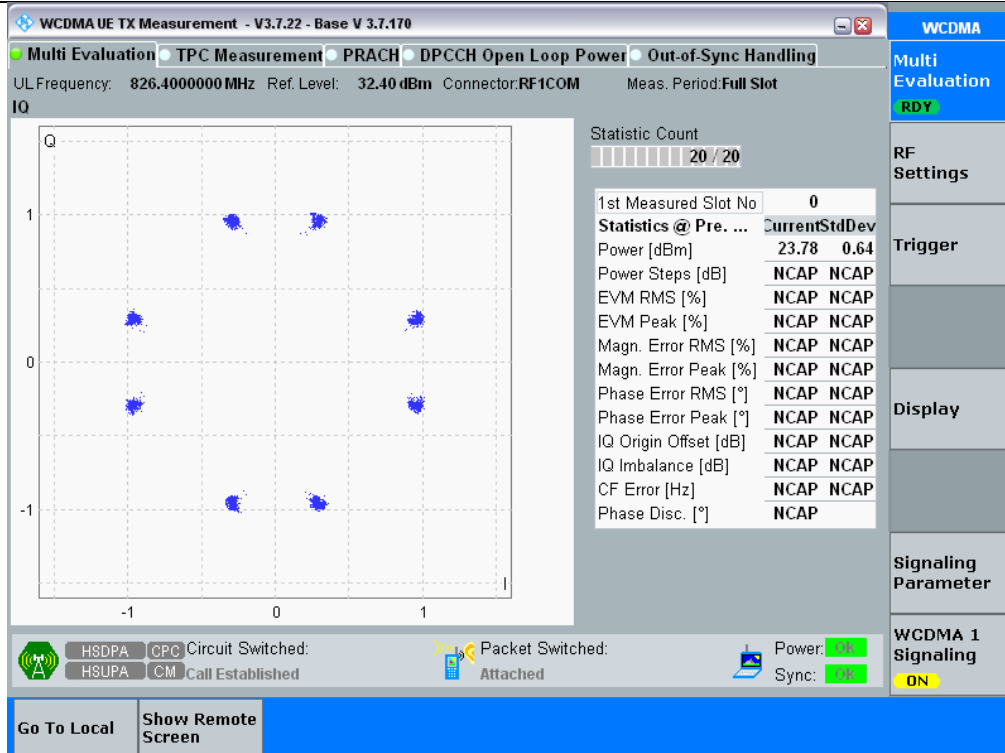
3.1 Test Graph

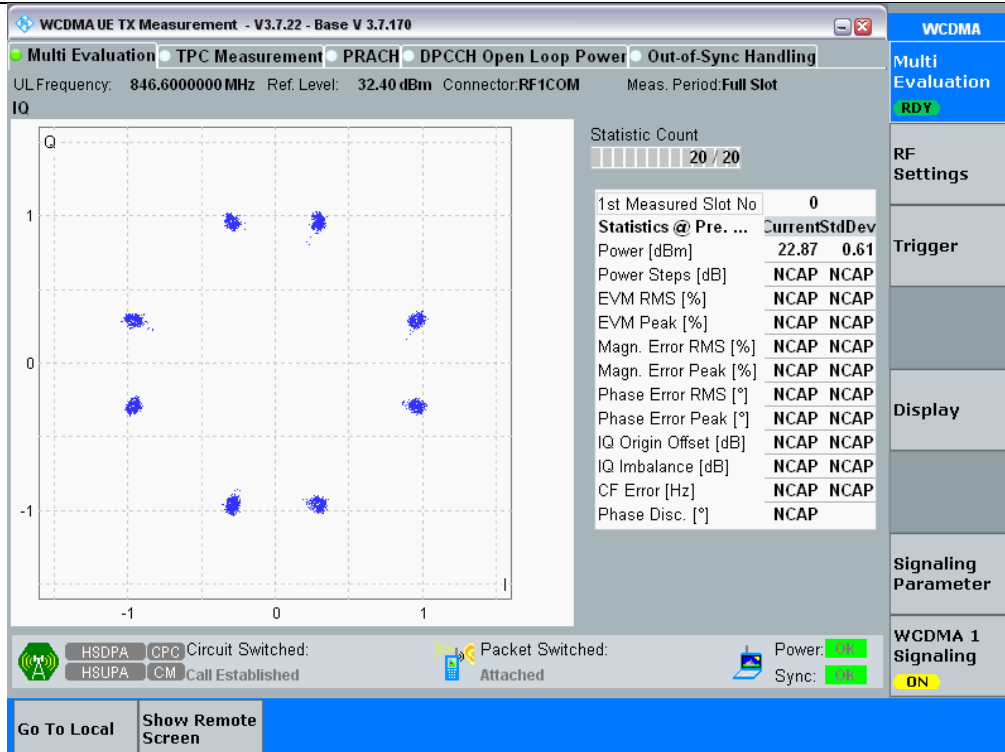










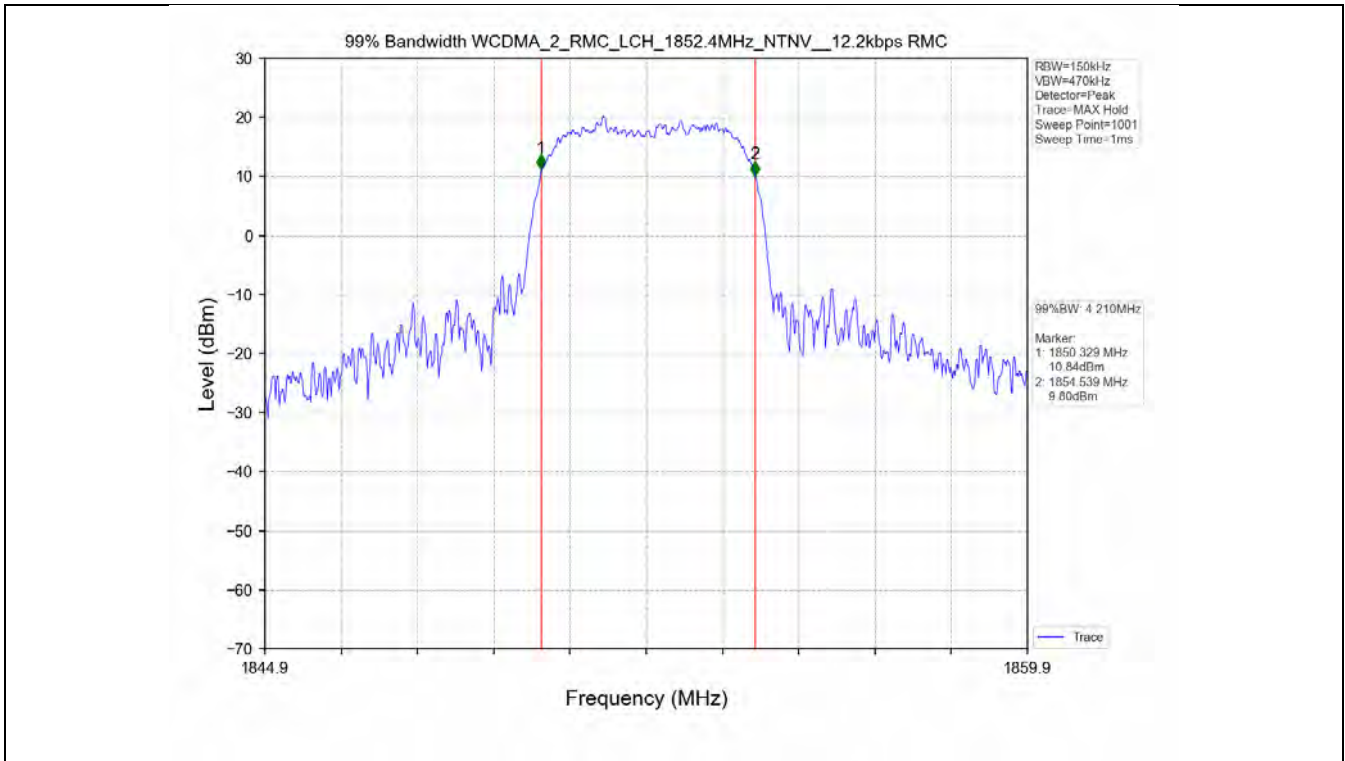


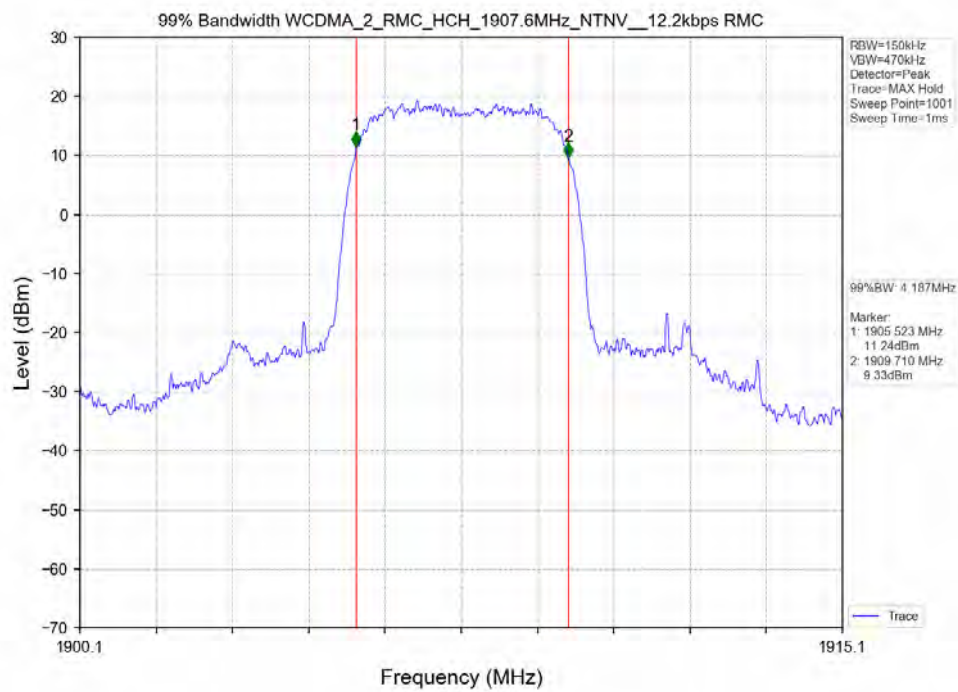
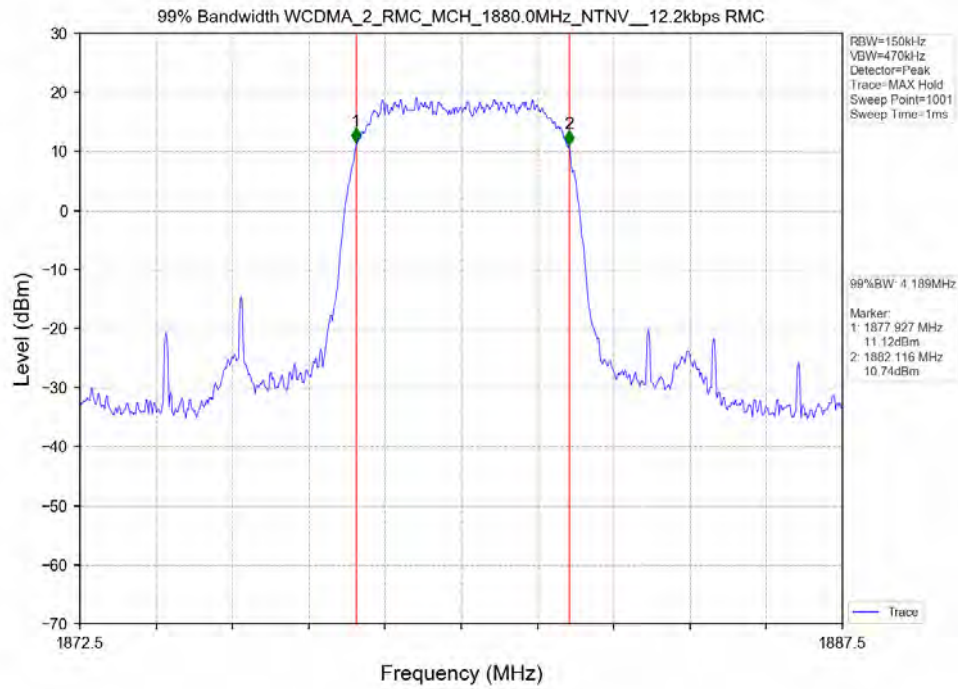
4. 99% & 26dB Bandwidth

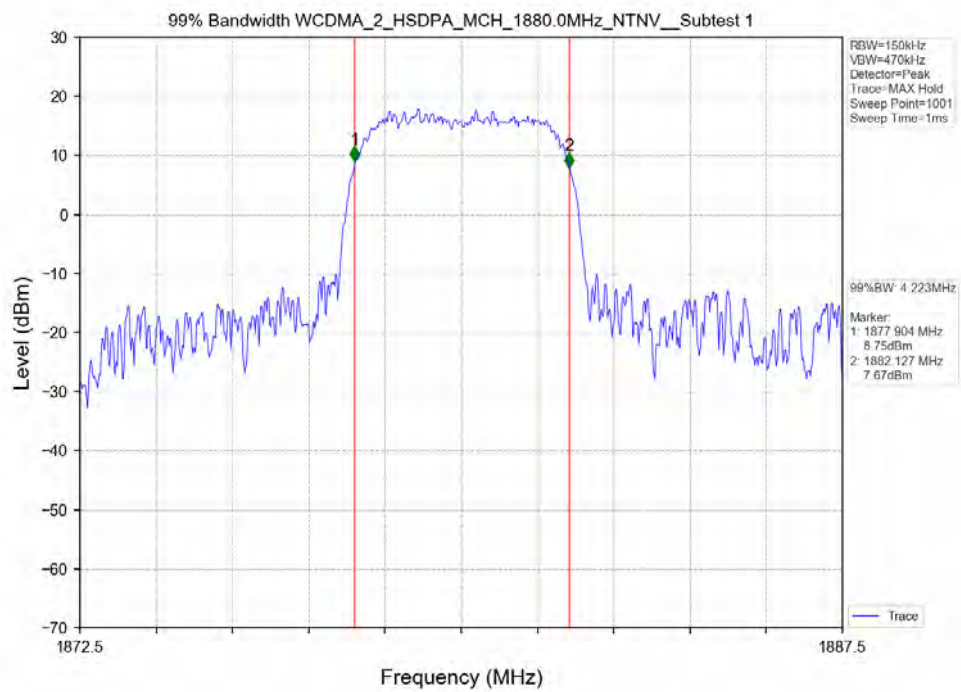
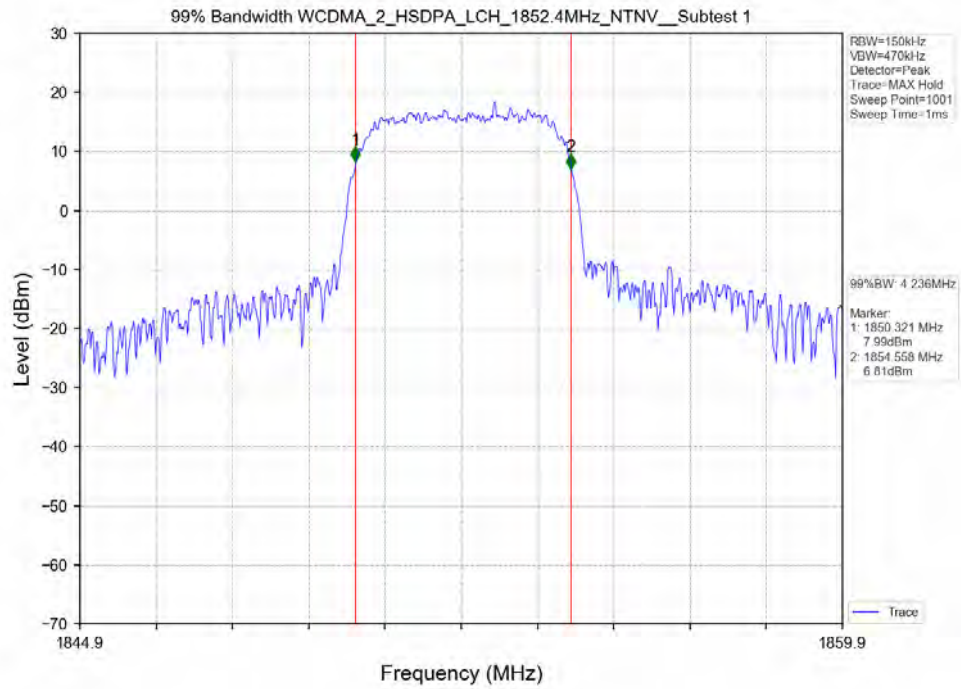
4.1 Test Result

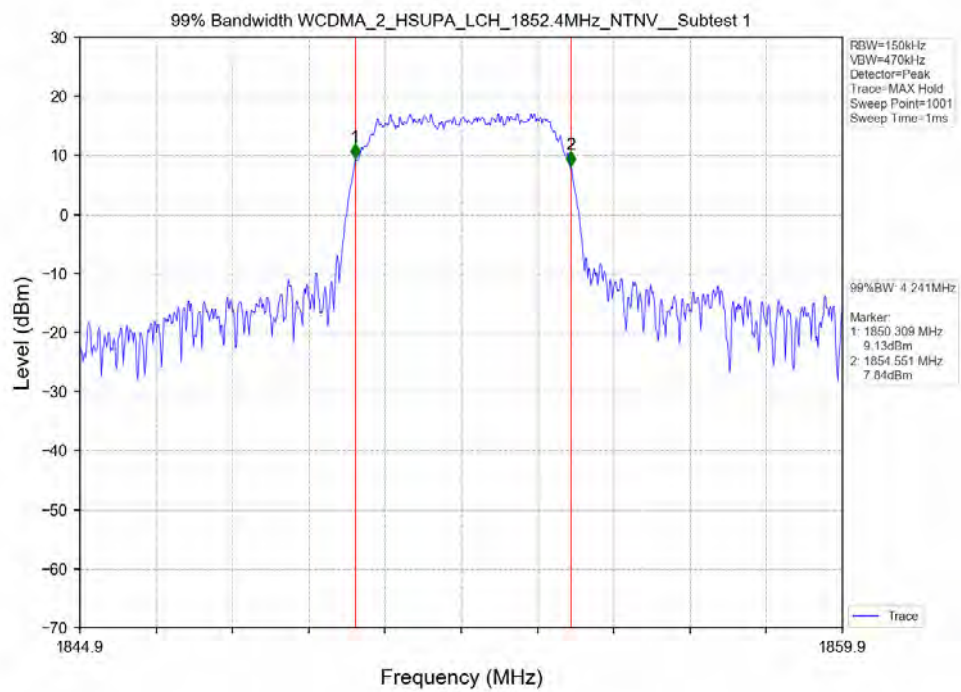
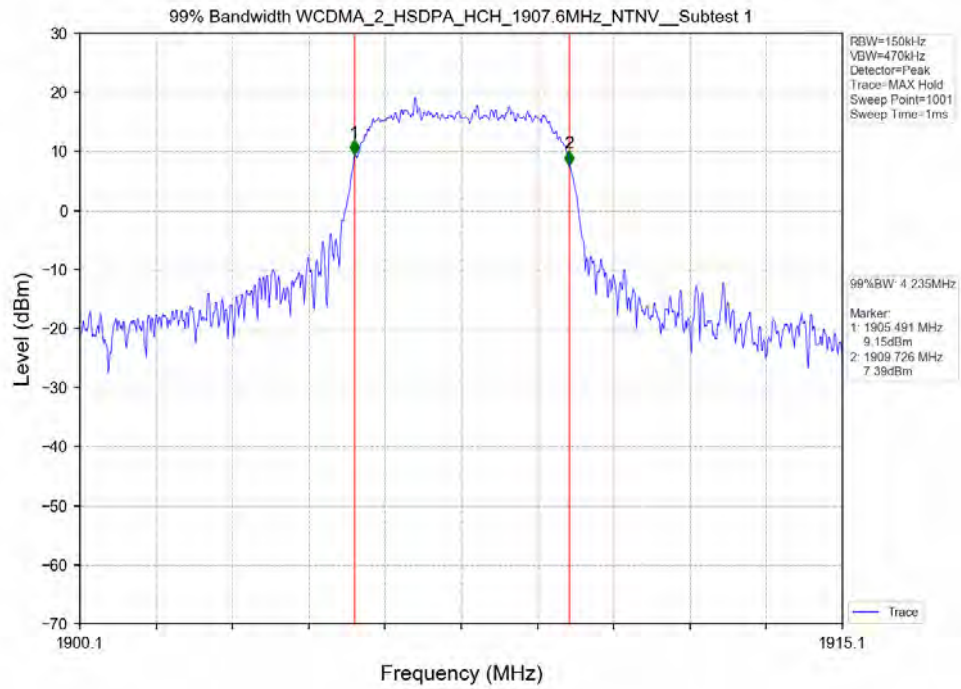
Test Band: 2					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	4.241	4.214	4.258	N/A	PASS
HSDPA	4.236	4.223	4.235	N/A	PASS
RMC	4.210	4.189	4.187	N/A	PASS

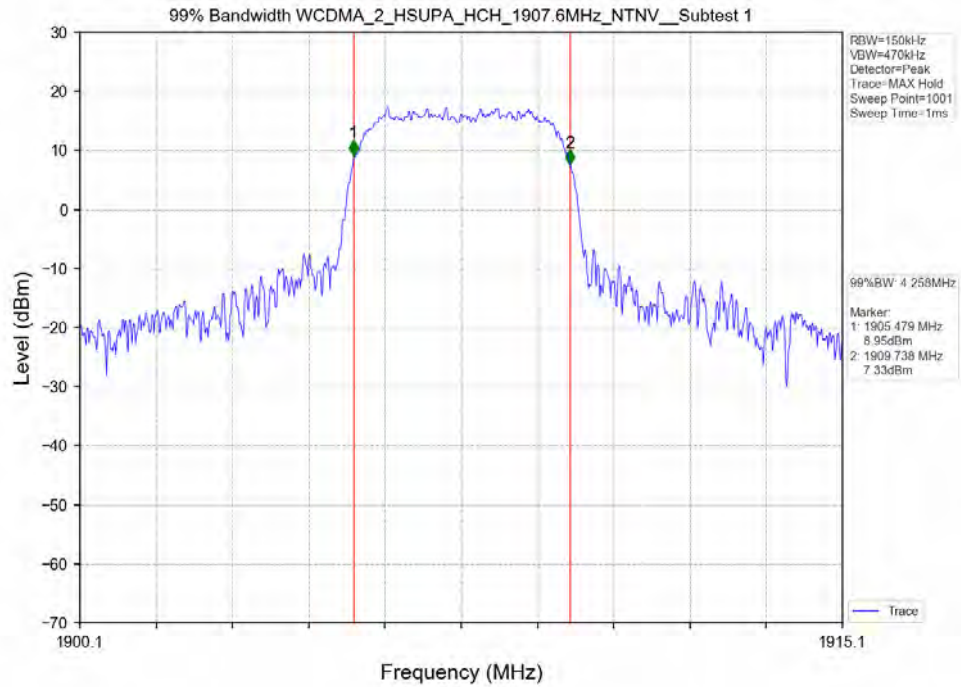
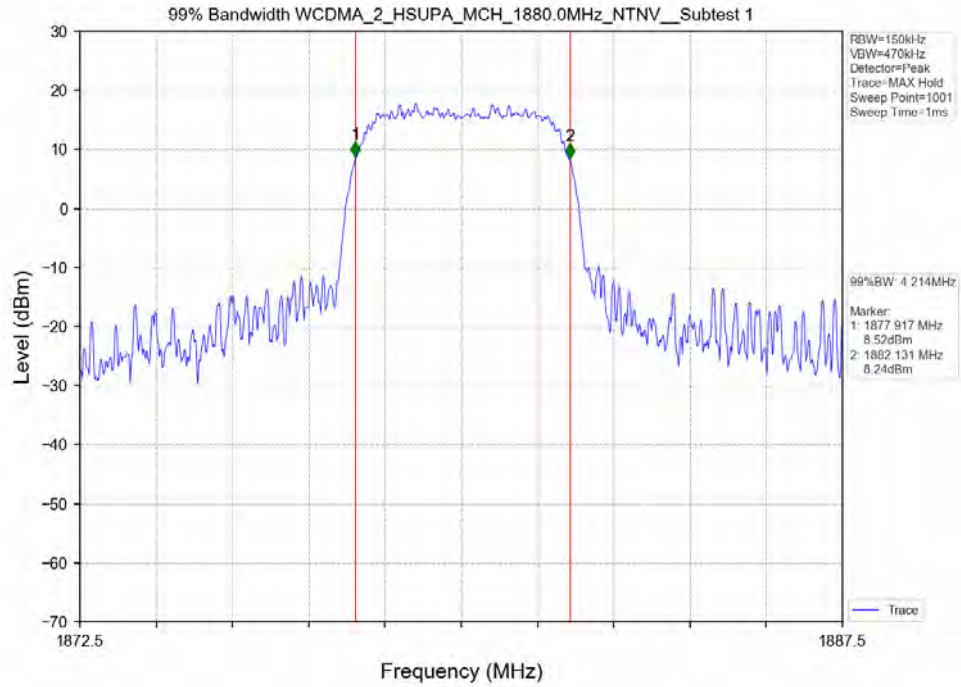
4.2 Test Graph





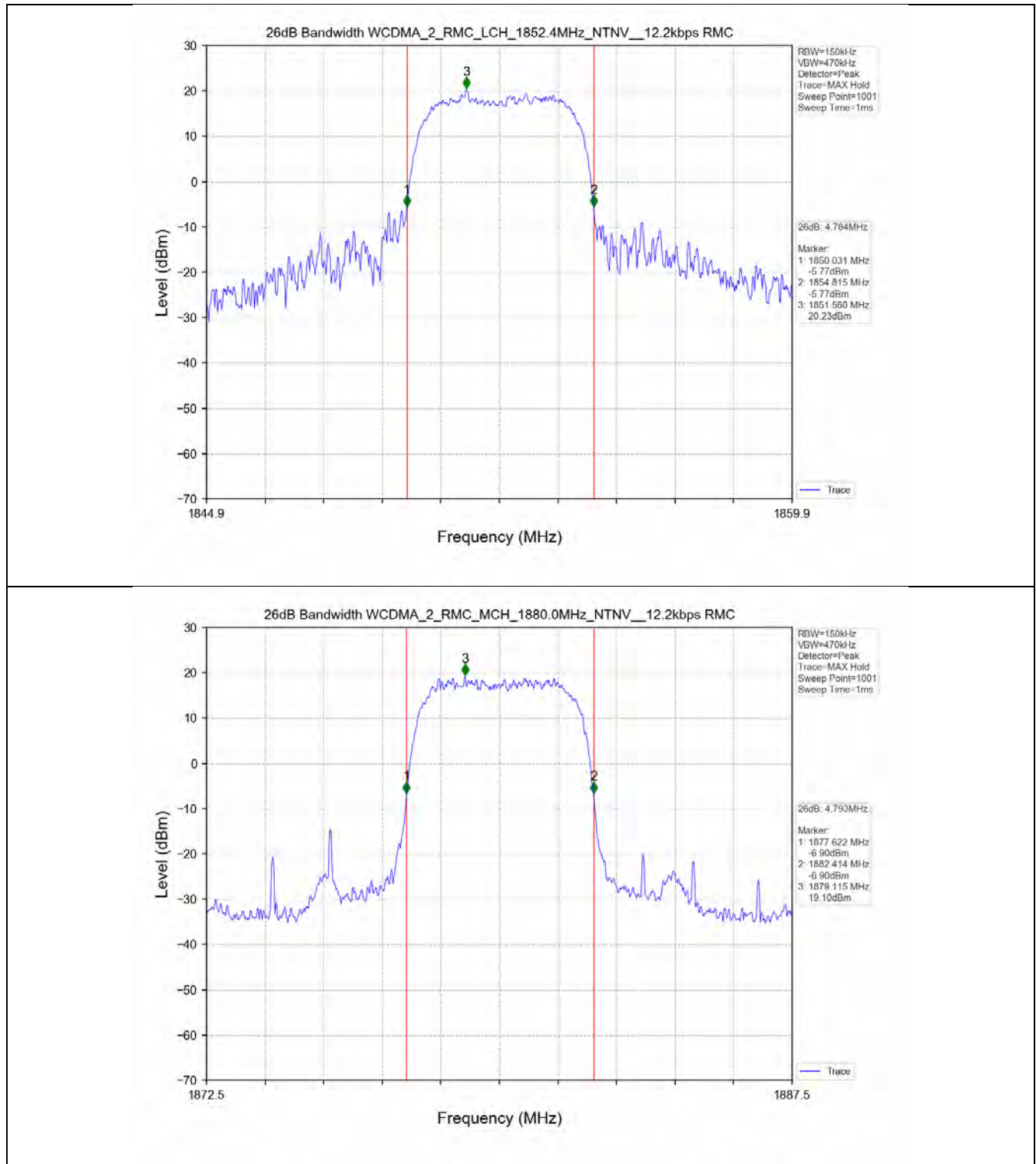


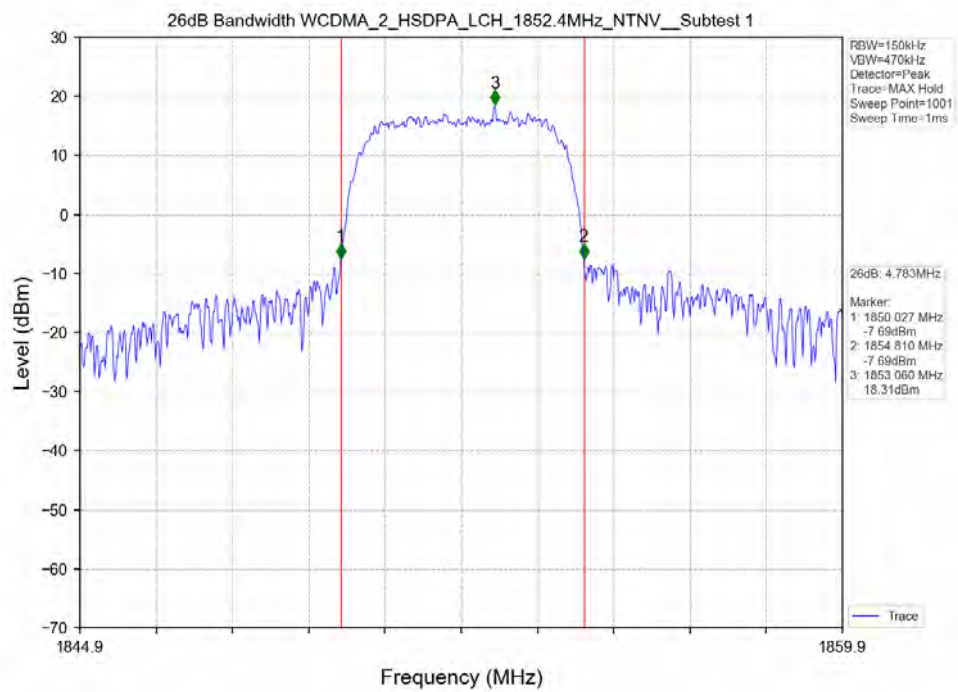
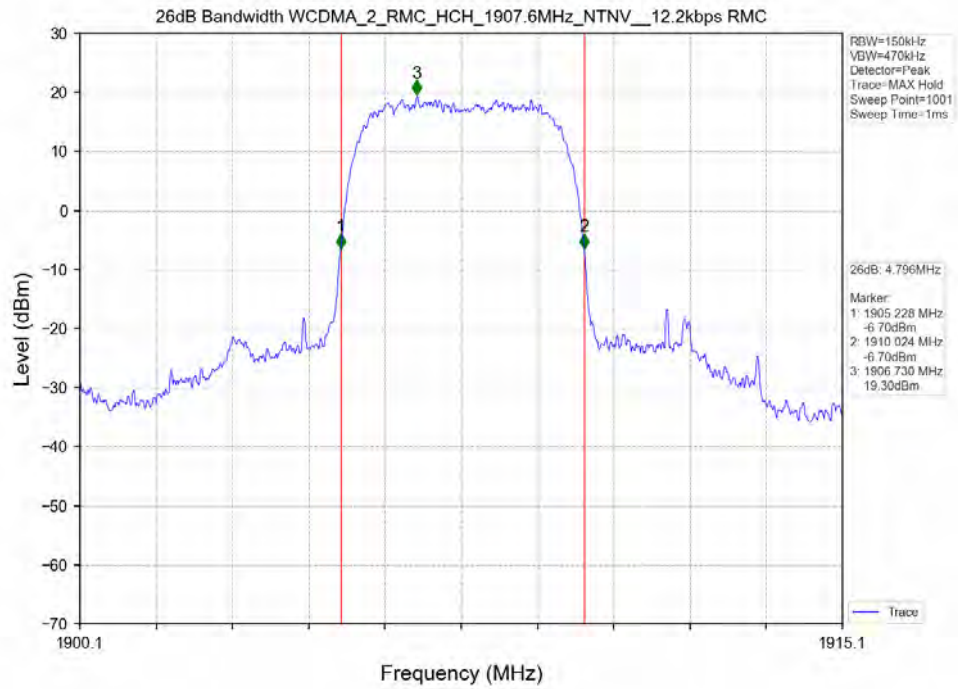


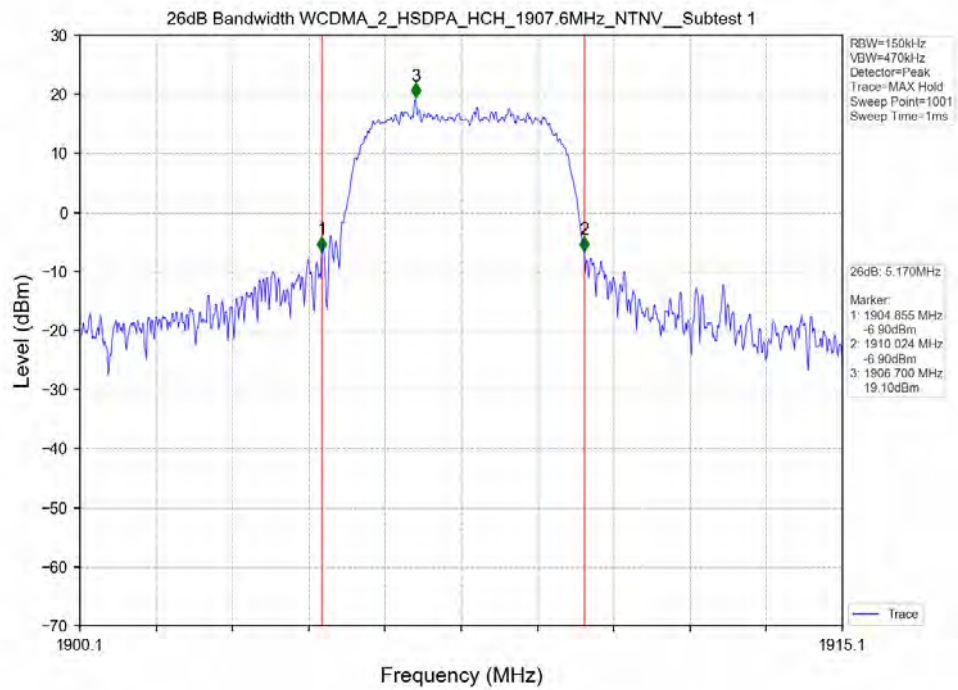
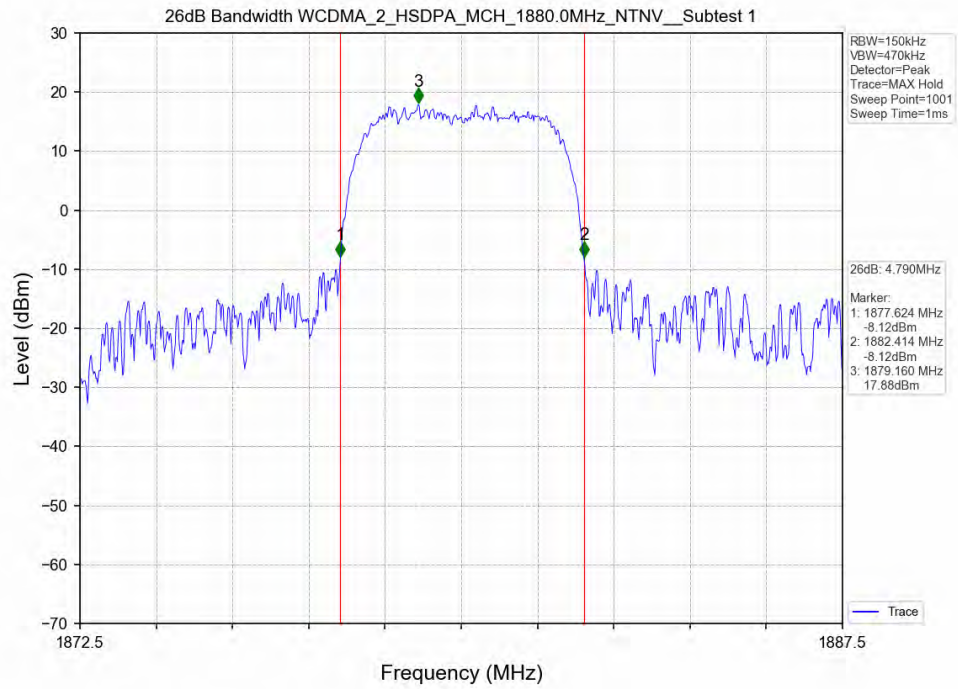


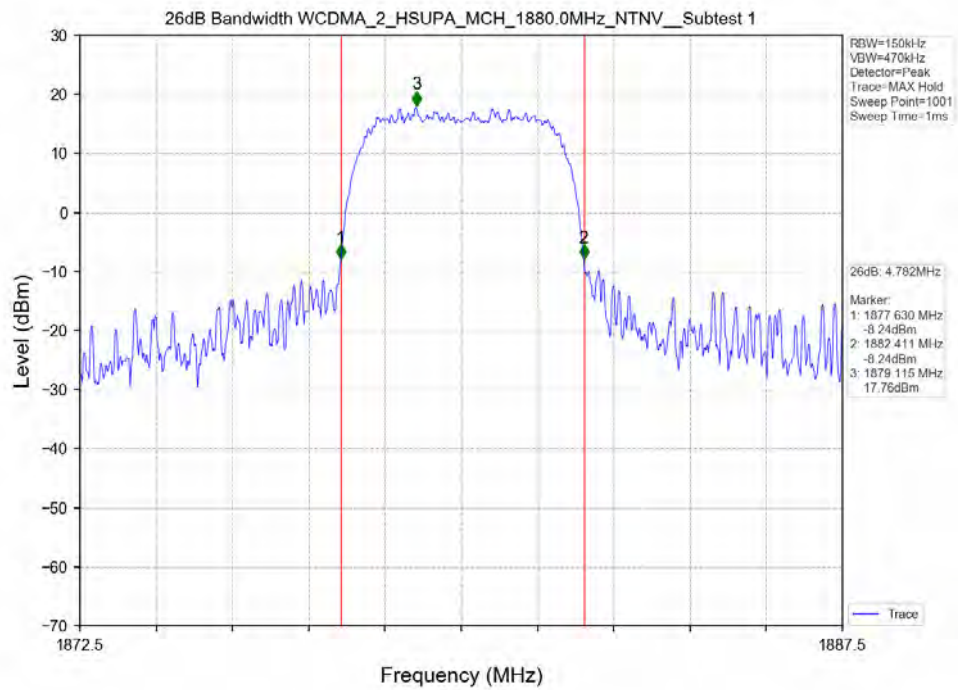
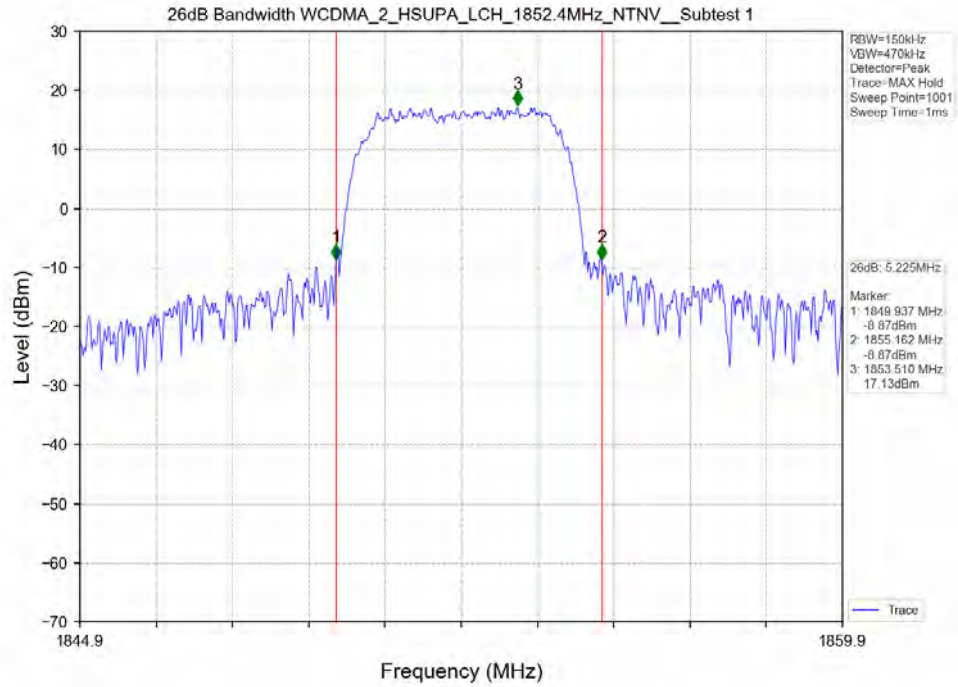
Test Band: 2					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	5.225	4.782	5.750	N/A	PASS
HSDPA	4.783	4.790	5.170	N/A	PASS
RMC	4.784	4.793	4.796	N/A	PASS

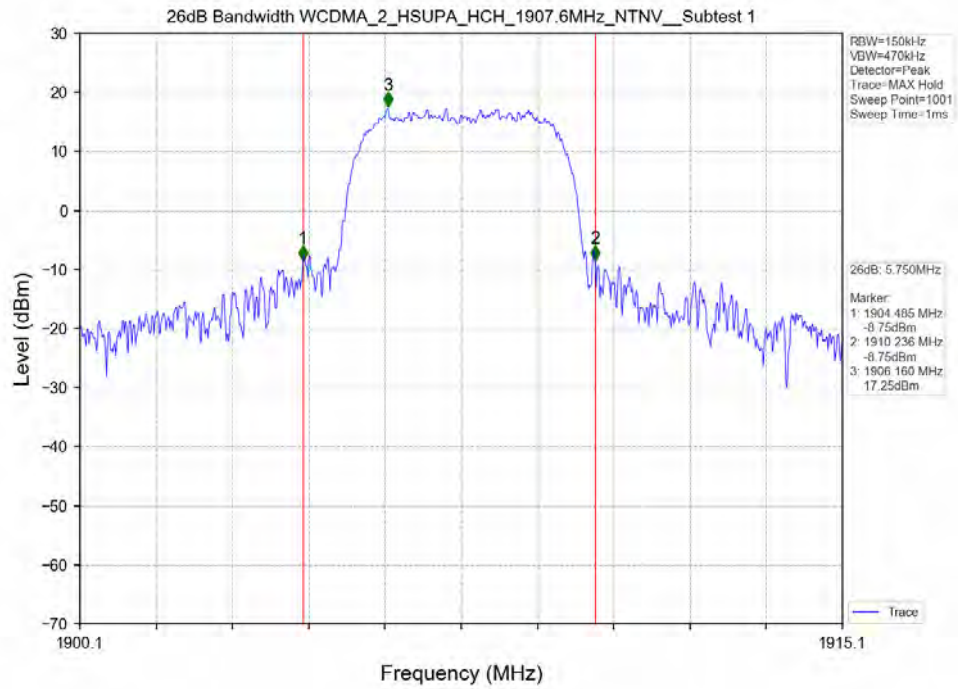
4.2 Test Graph





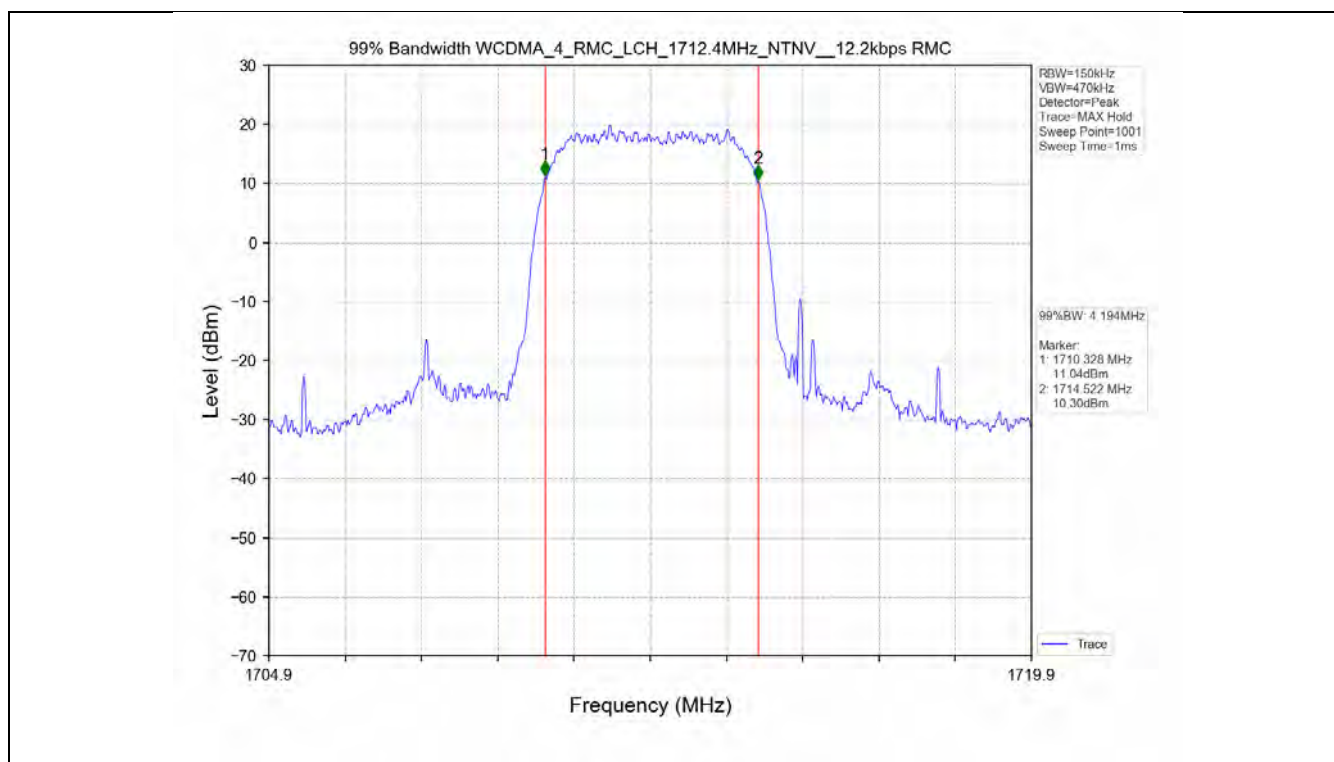


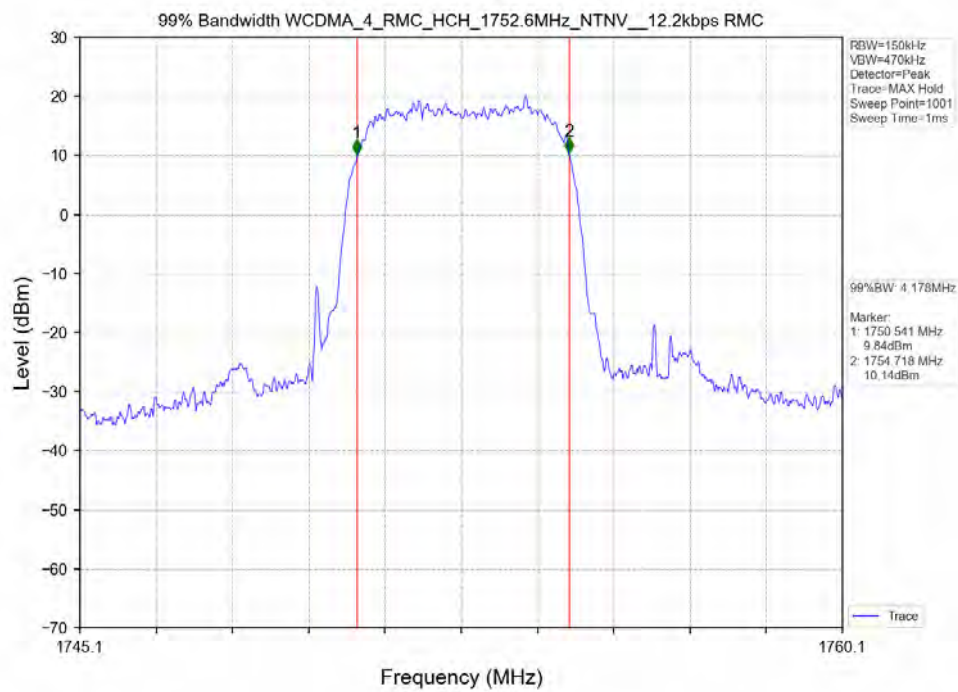
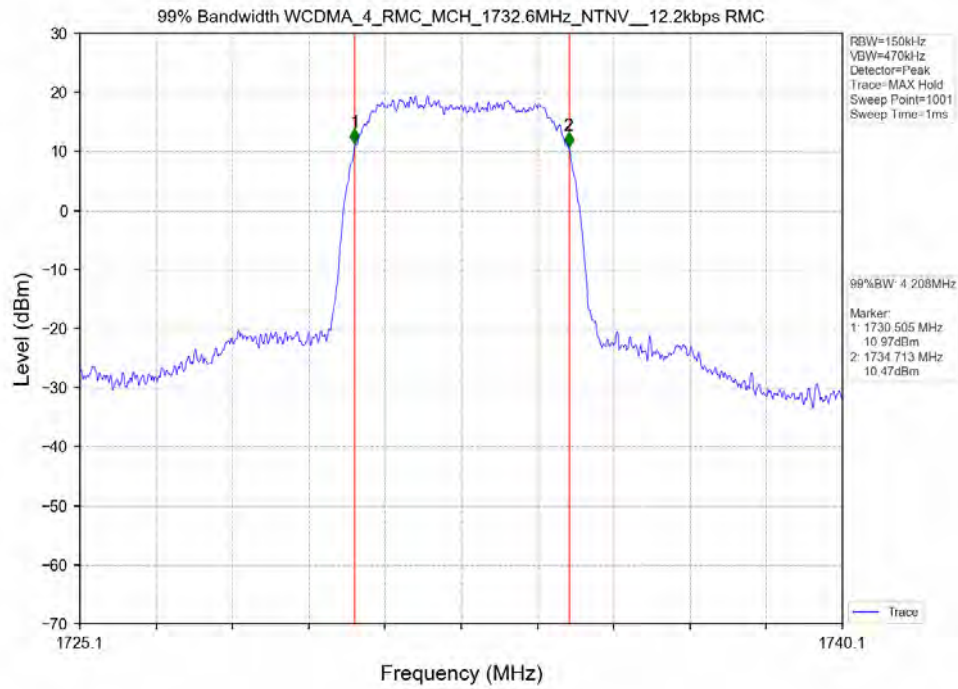


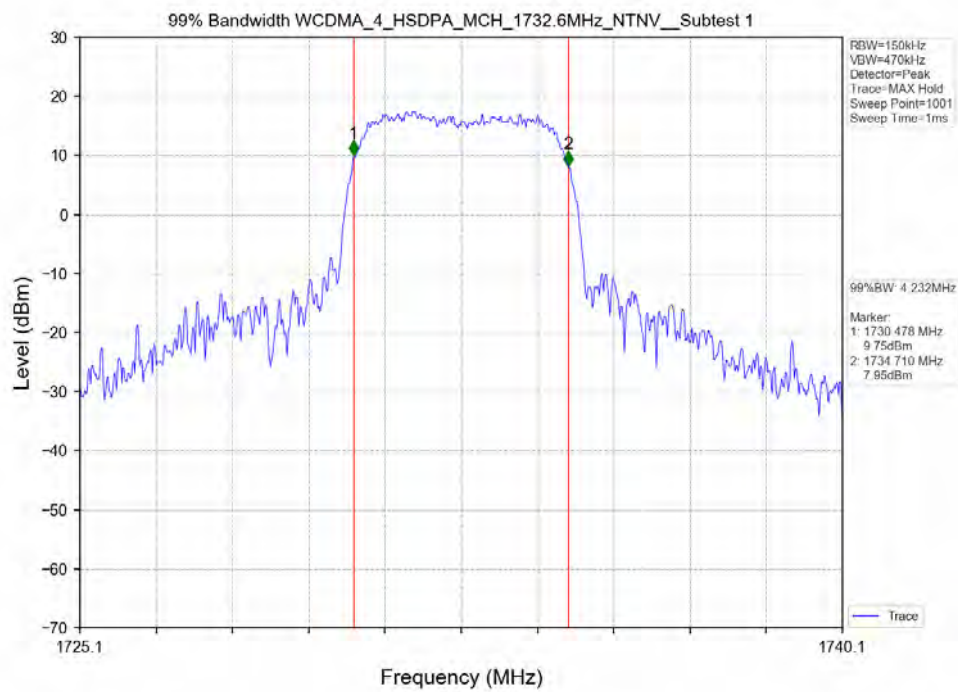
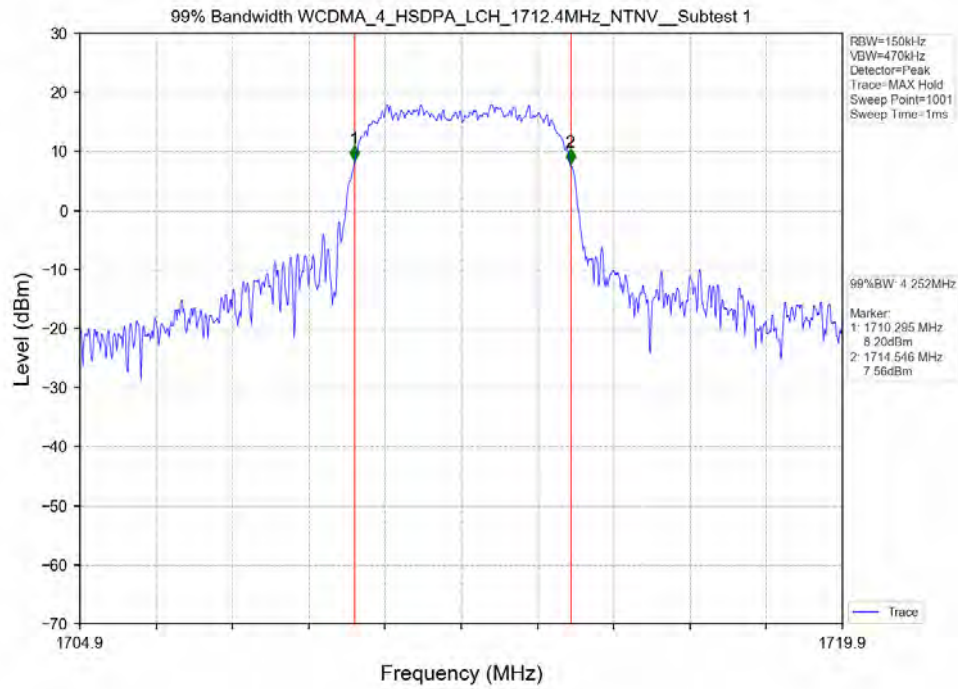


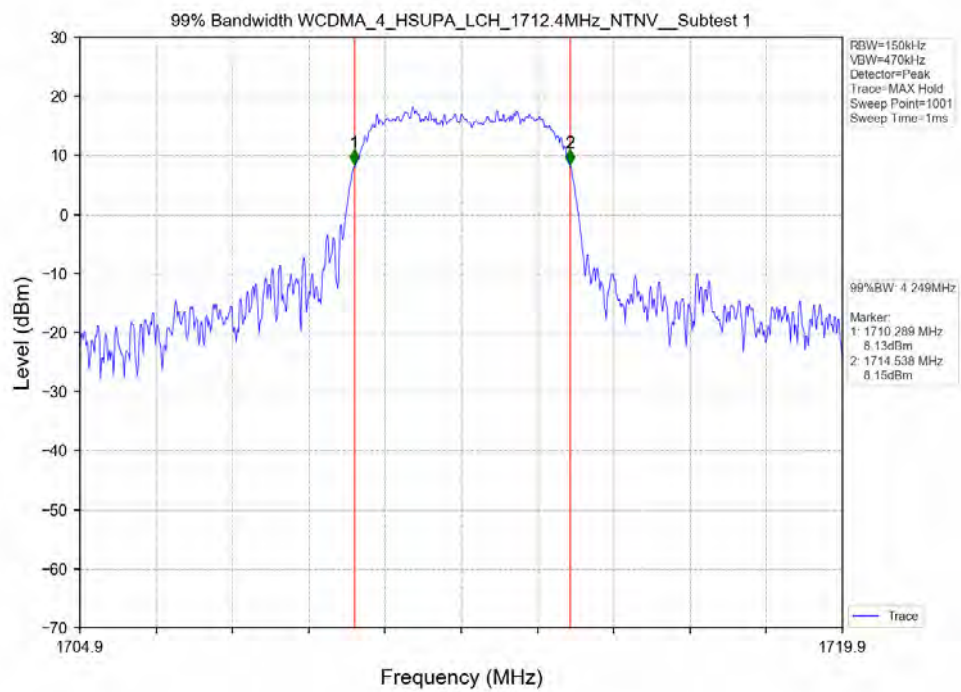
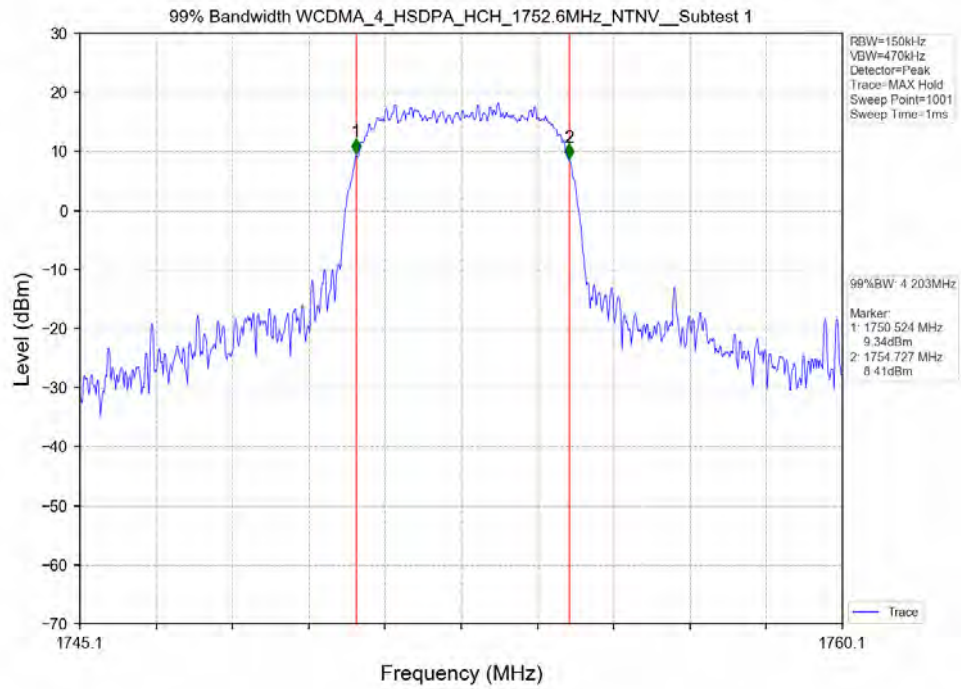
Test Band: 4					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	4.249	4.201	4.218	N/A	PASS
HSDPA	4.252	4.232	4.203	N/A	PASS
RMC	4.194	4.208	4.178	N/A	PASS

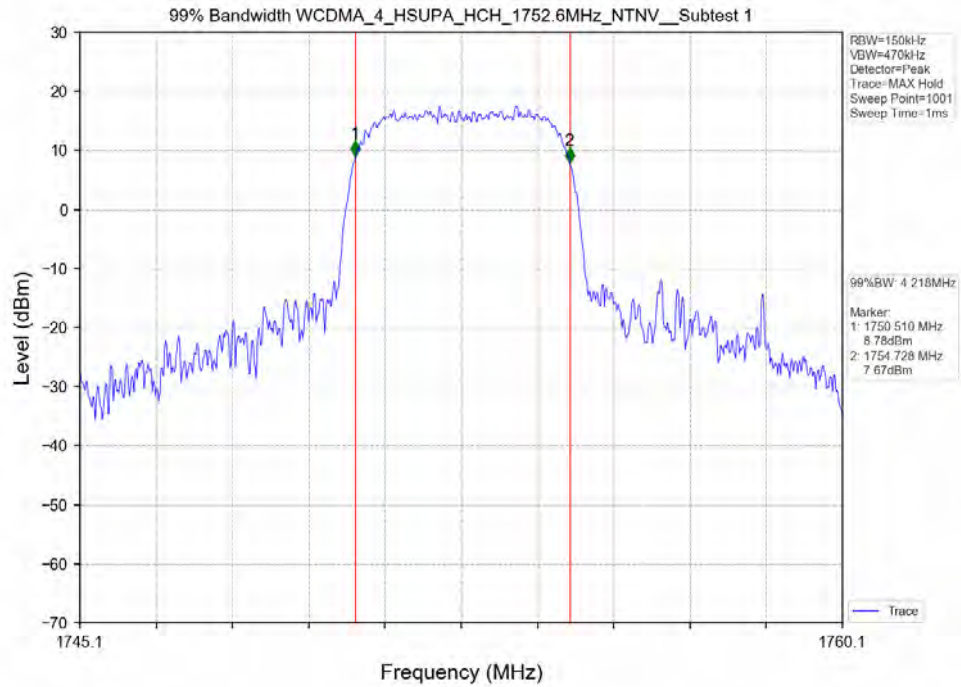
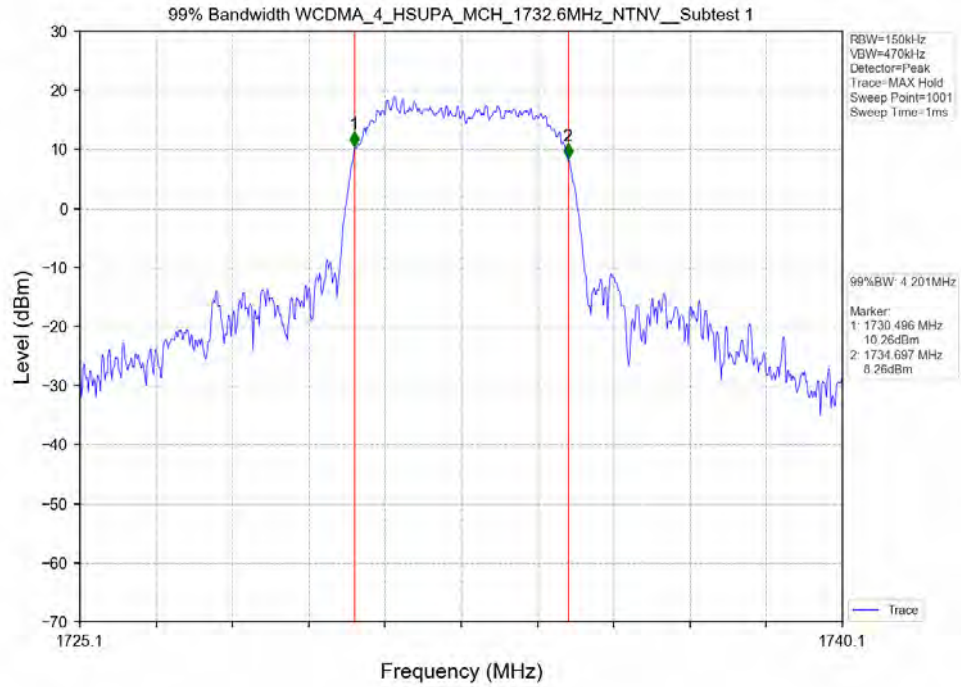
4.2 Test Graph





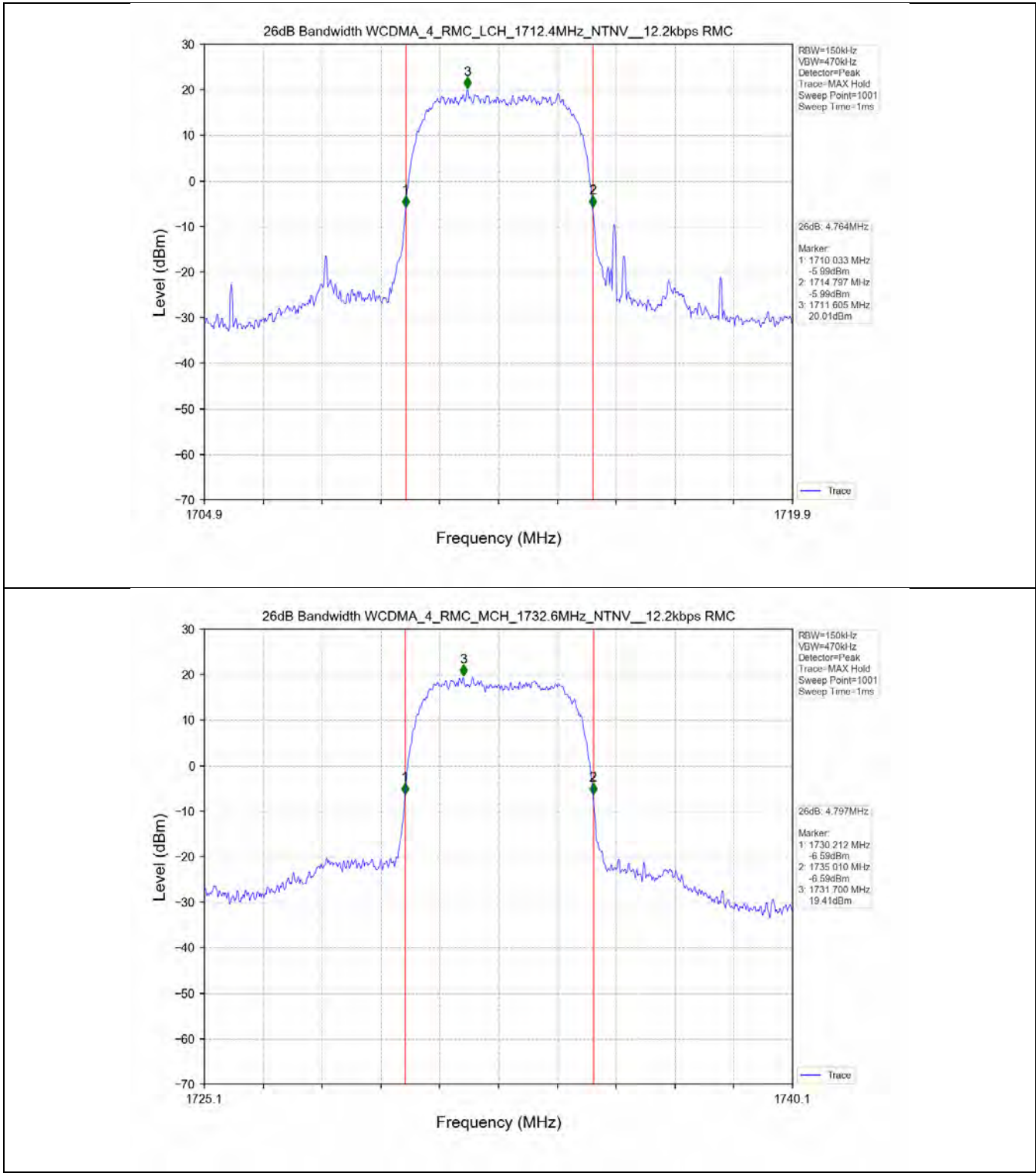


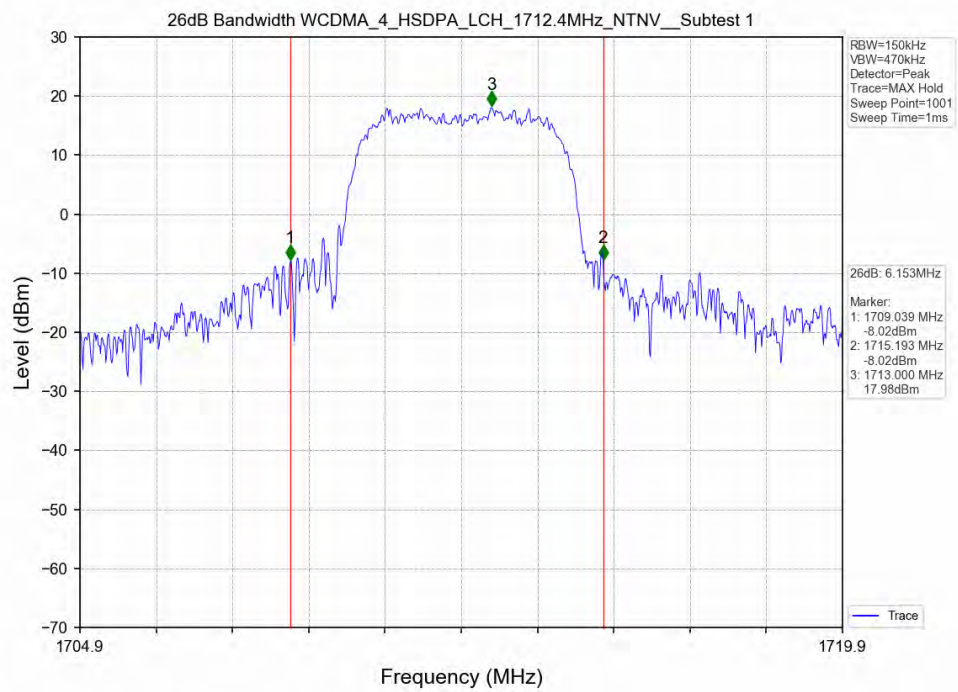
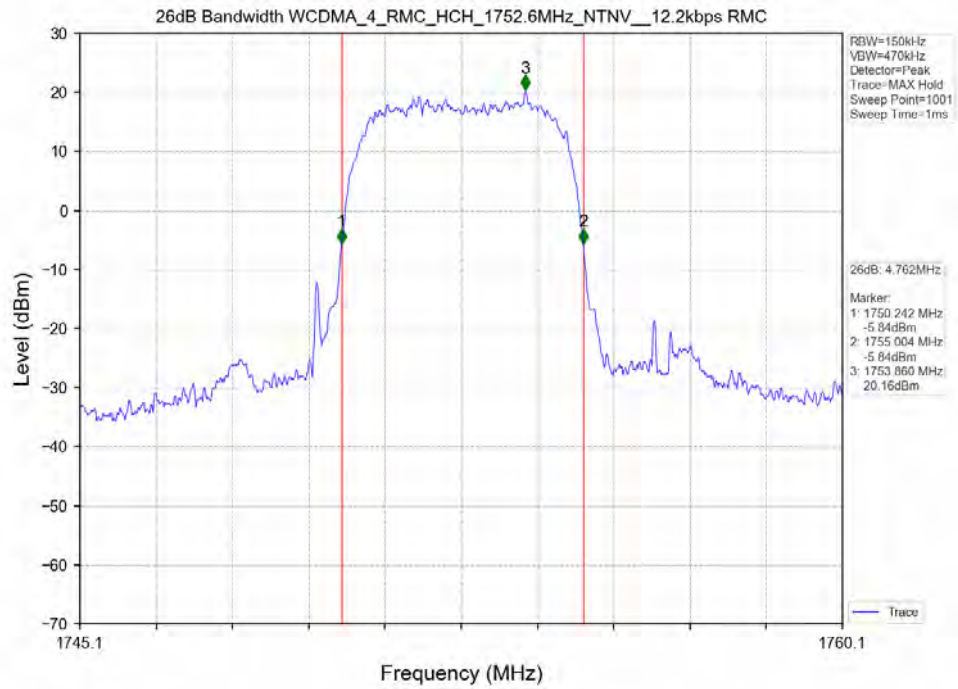


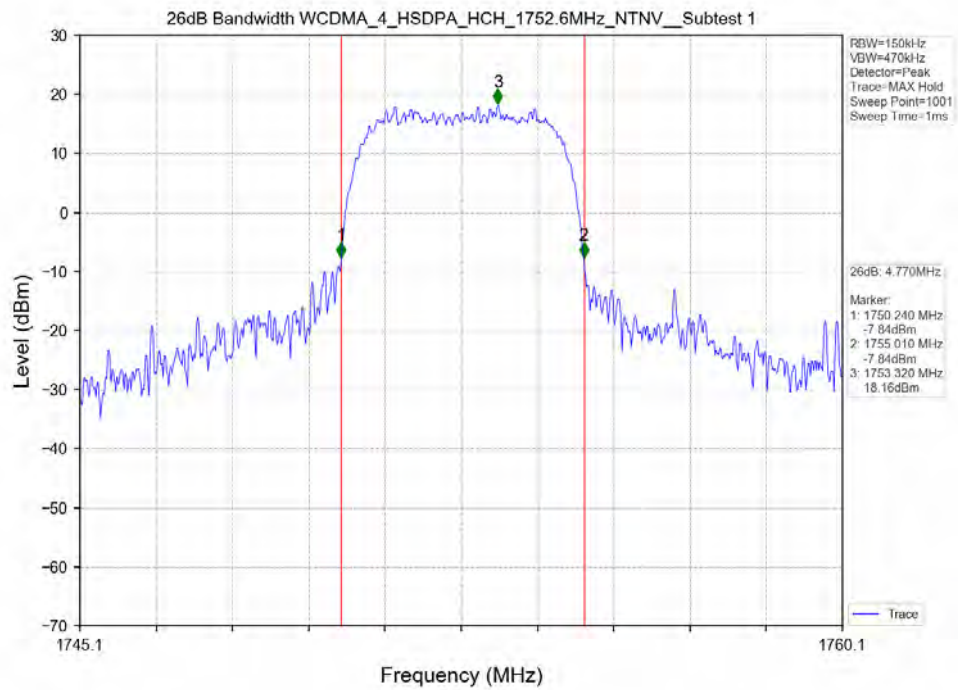
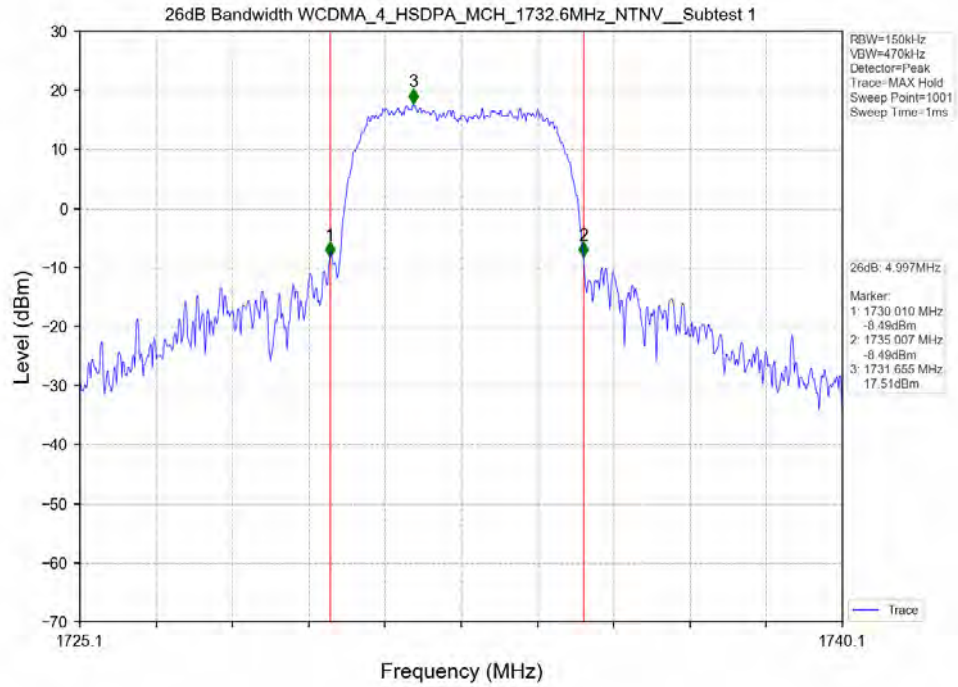


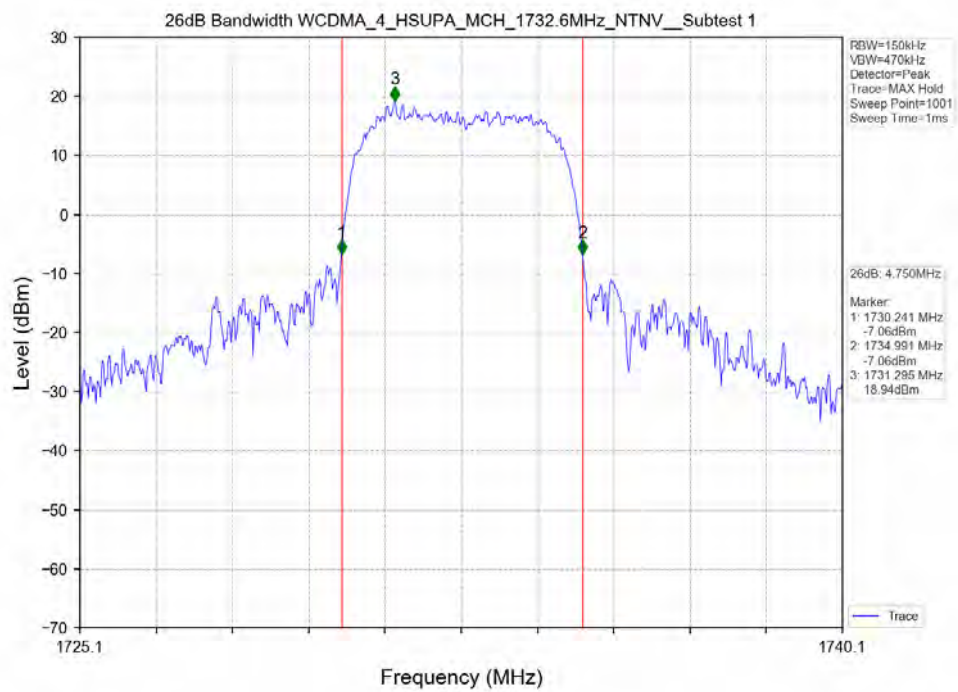
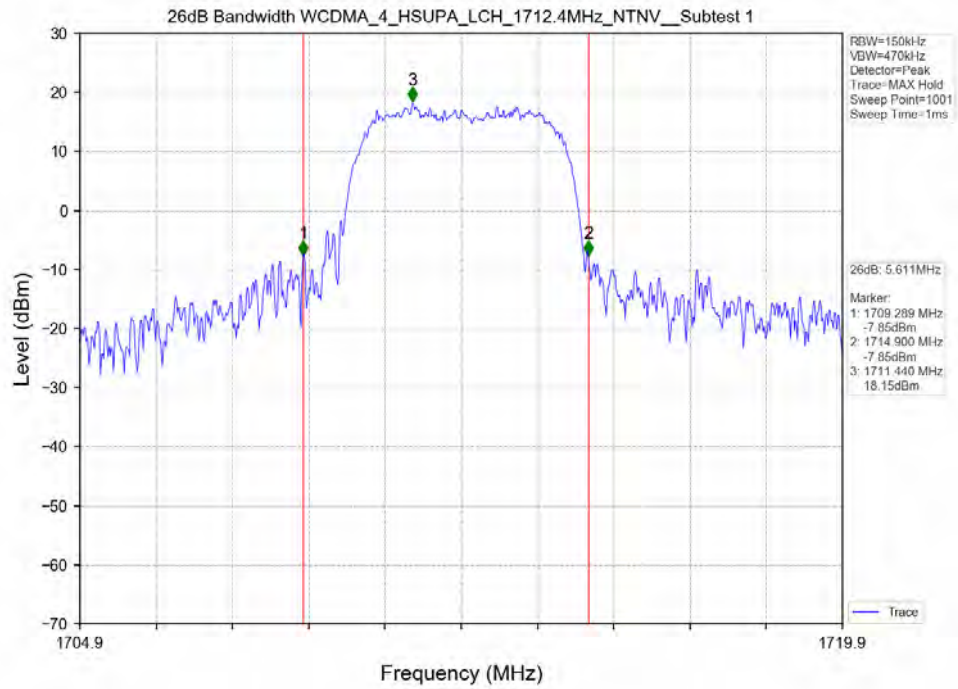
Test Band: 4					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	5.611	4.750	4.786	N/A	PASS
HSDPA	6.153	4.997	4.770	N/A	PASS
RMC	4.764	4.797	4.762	N/A	PASS

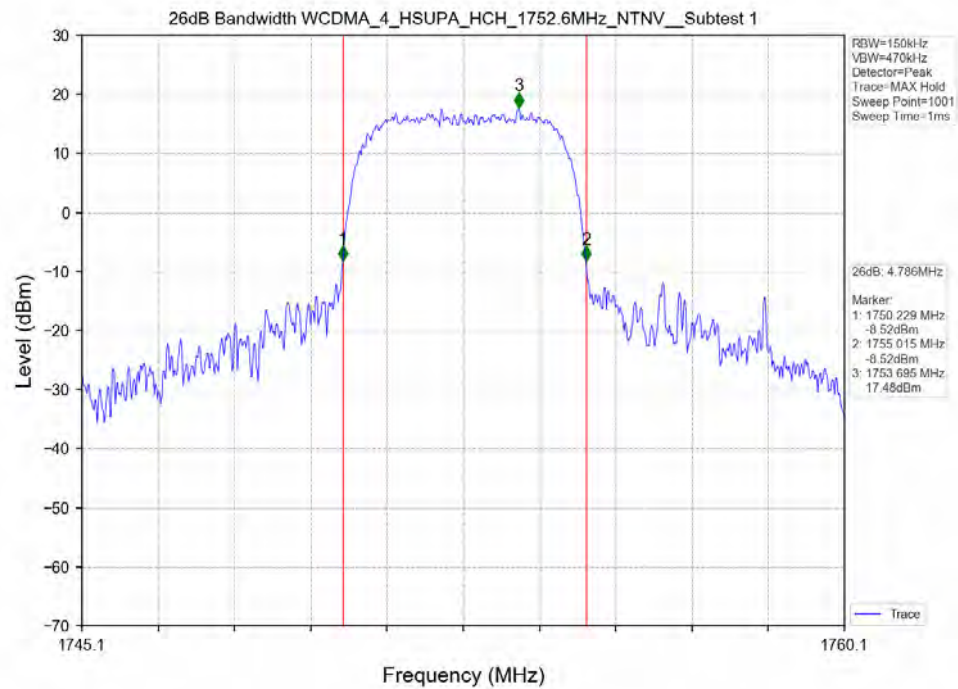
4.2 Test Graph





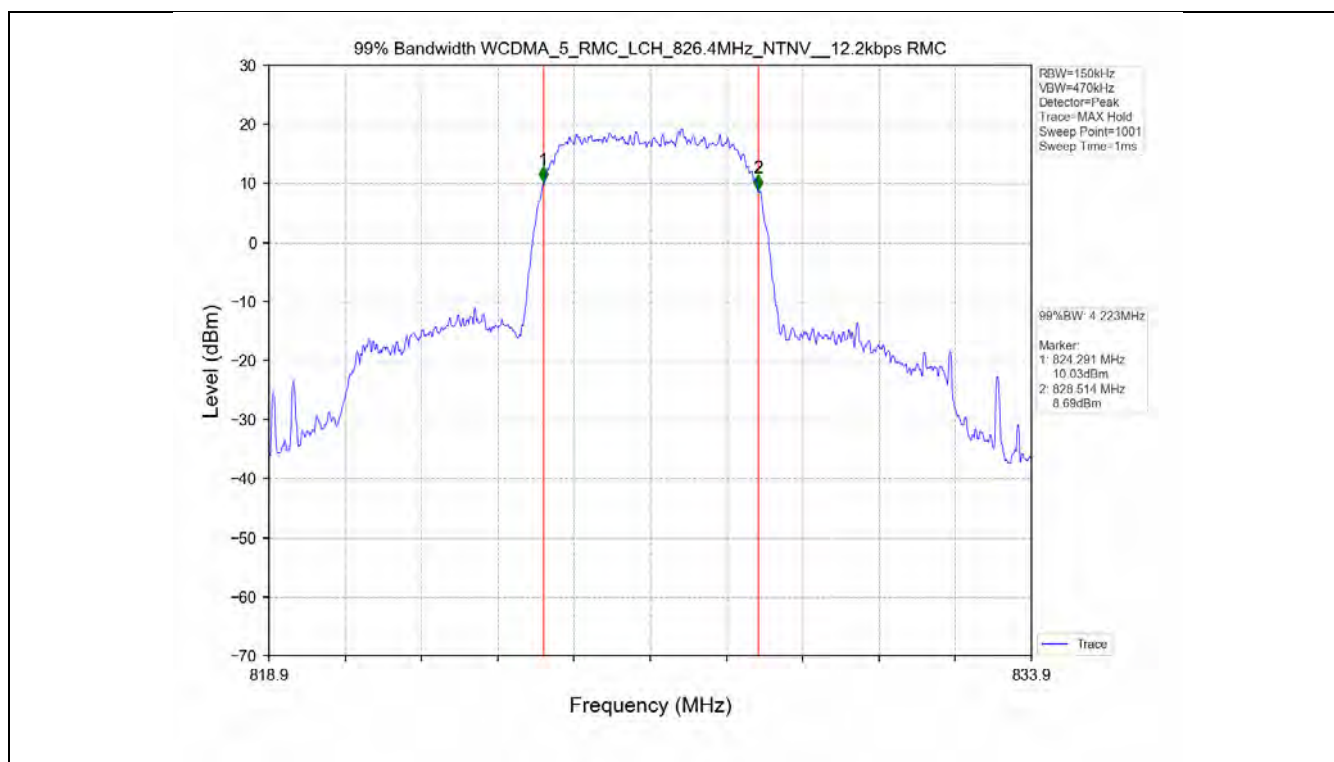


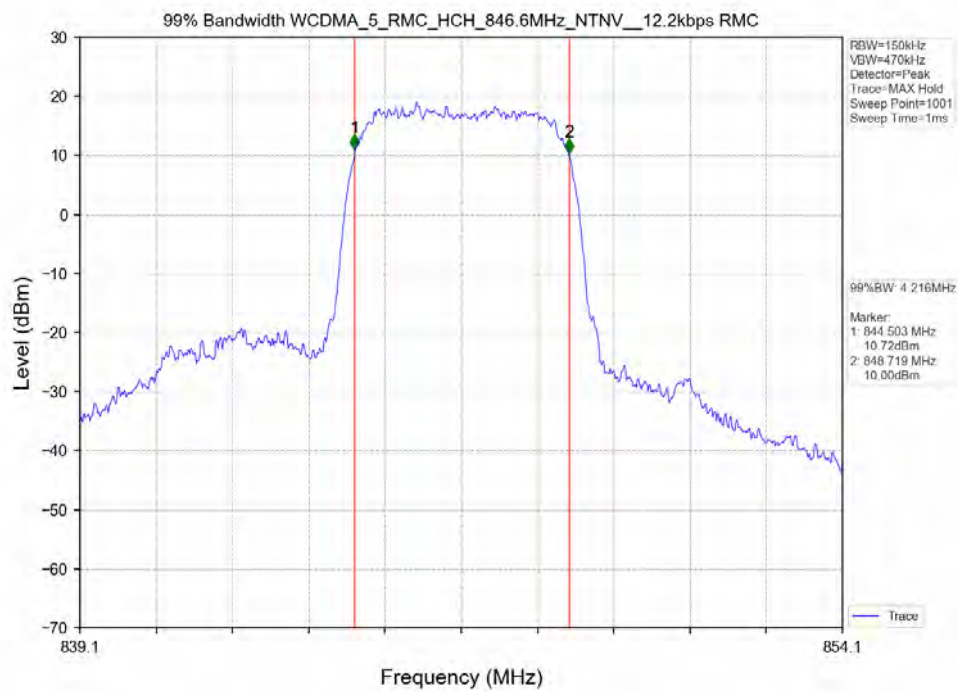
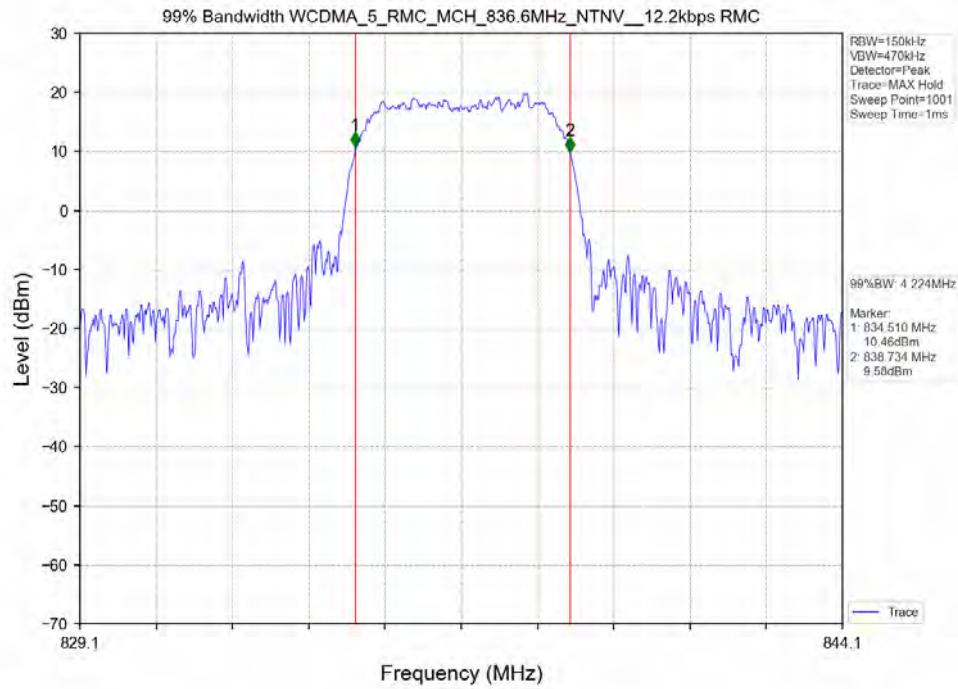


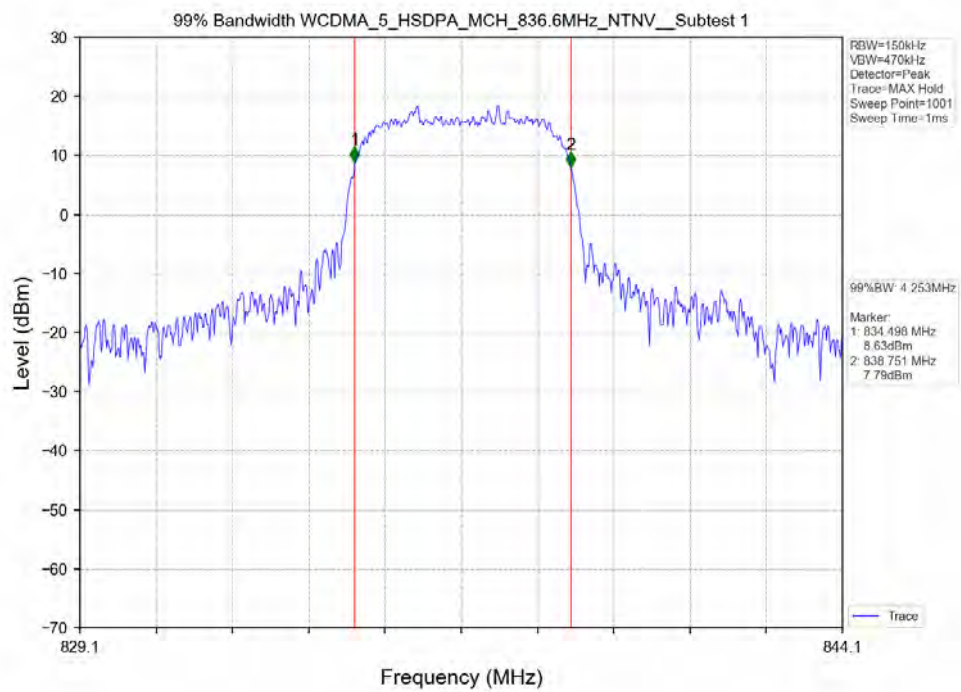
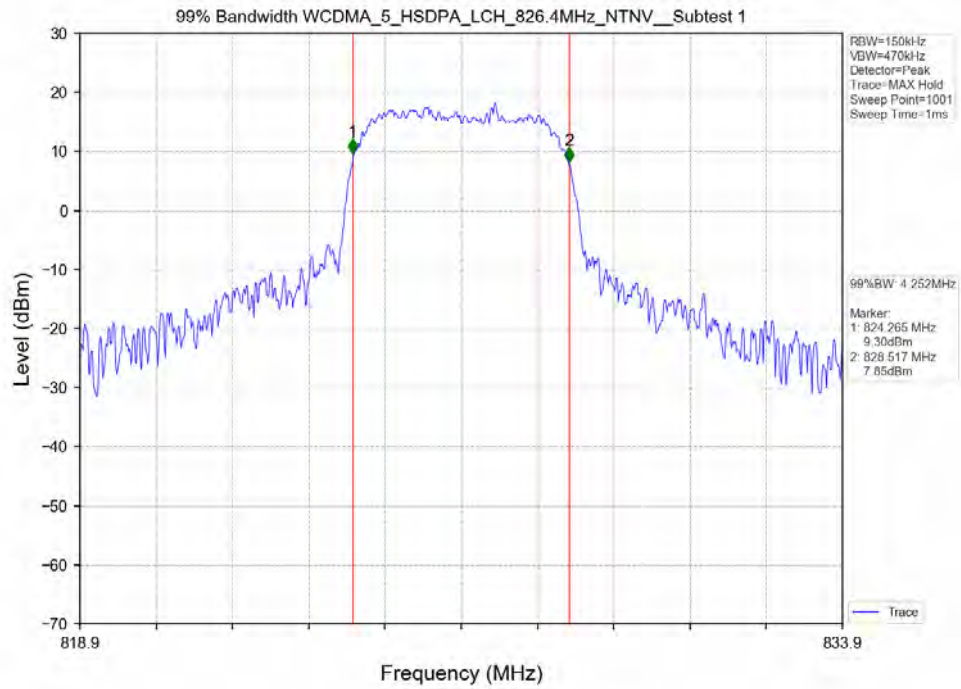


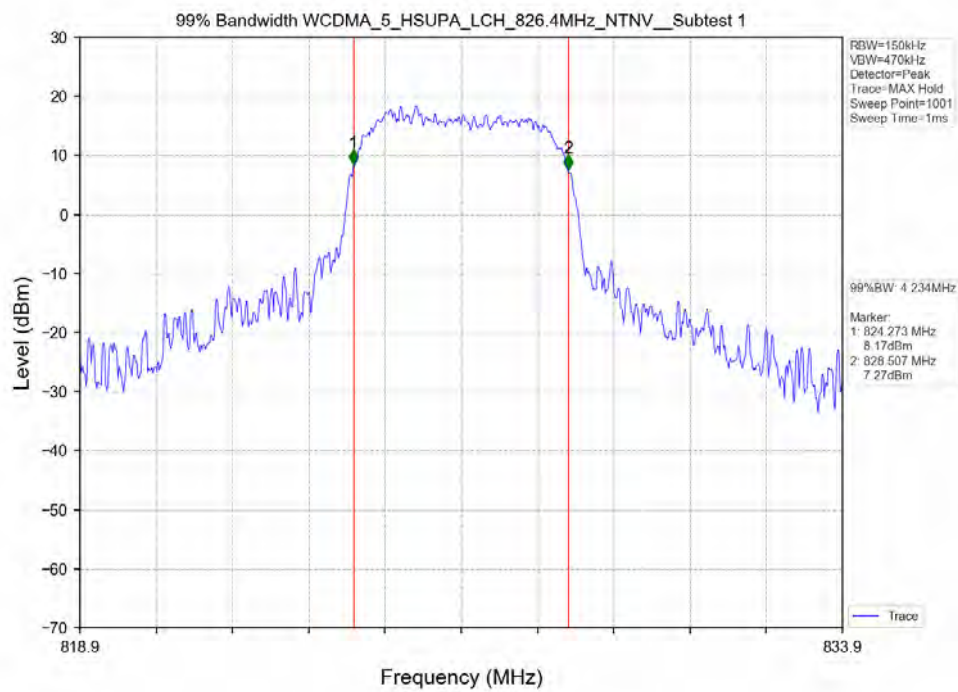
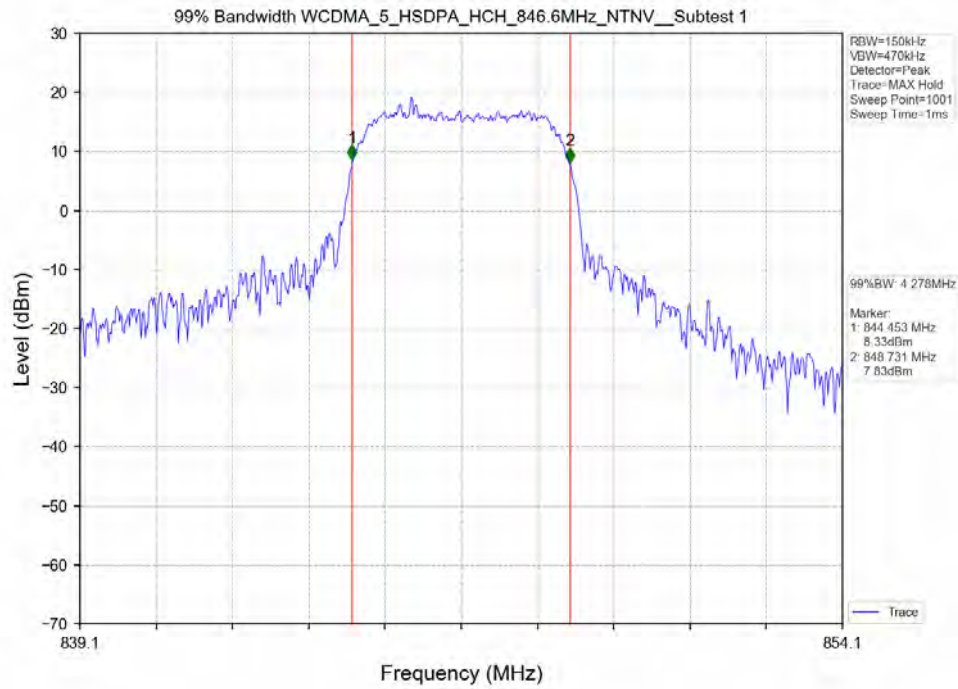
Test Band: 5					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	4.234	4.252	4.273	N/A	PASS
HSDPA	4.252	4.253	4.278	N/A	PASS
RMC	4.223	4.224	4.216	N/A	PASS

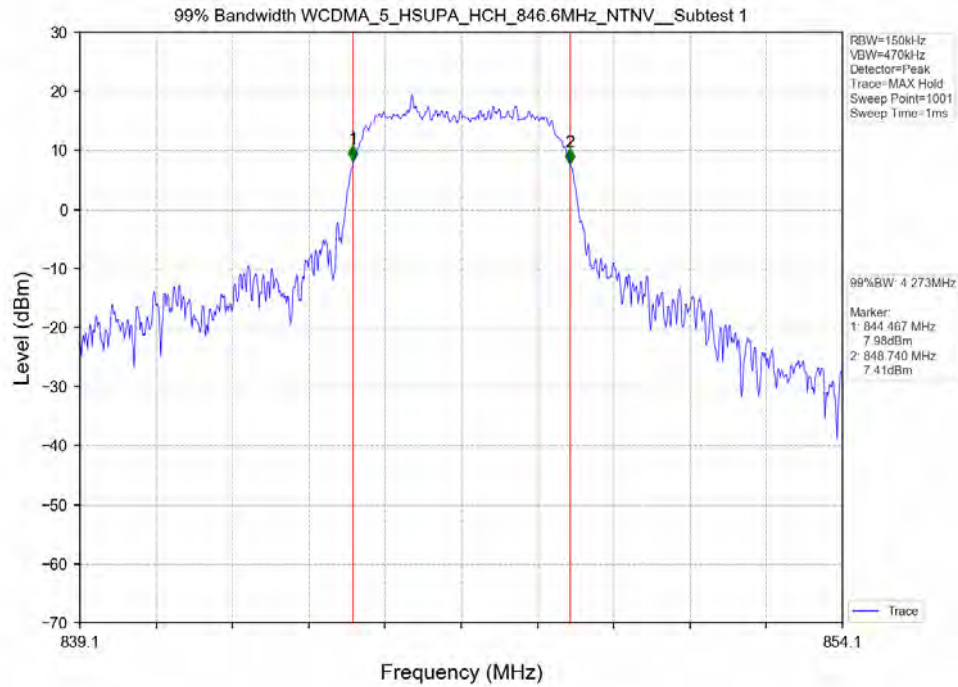
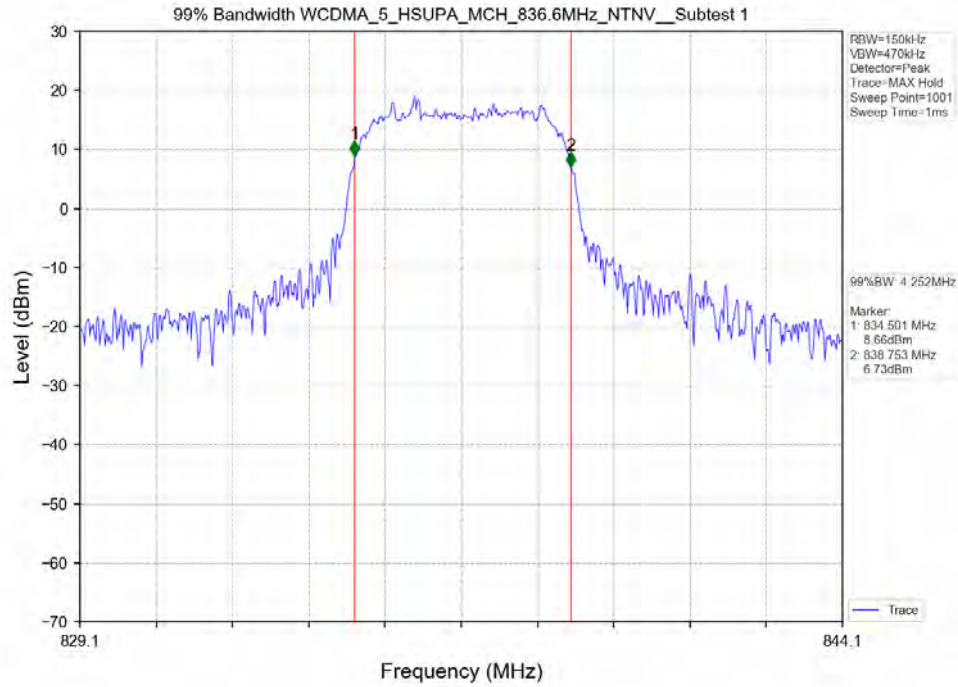
4.2 Test Graph





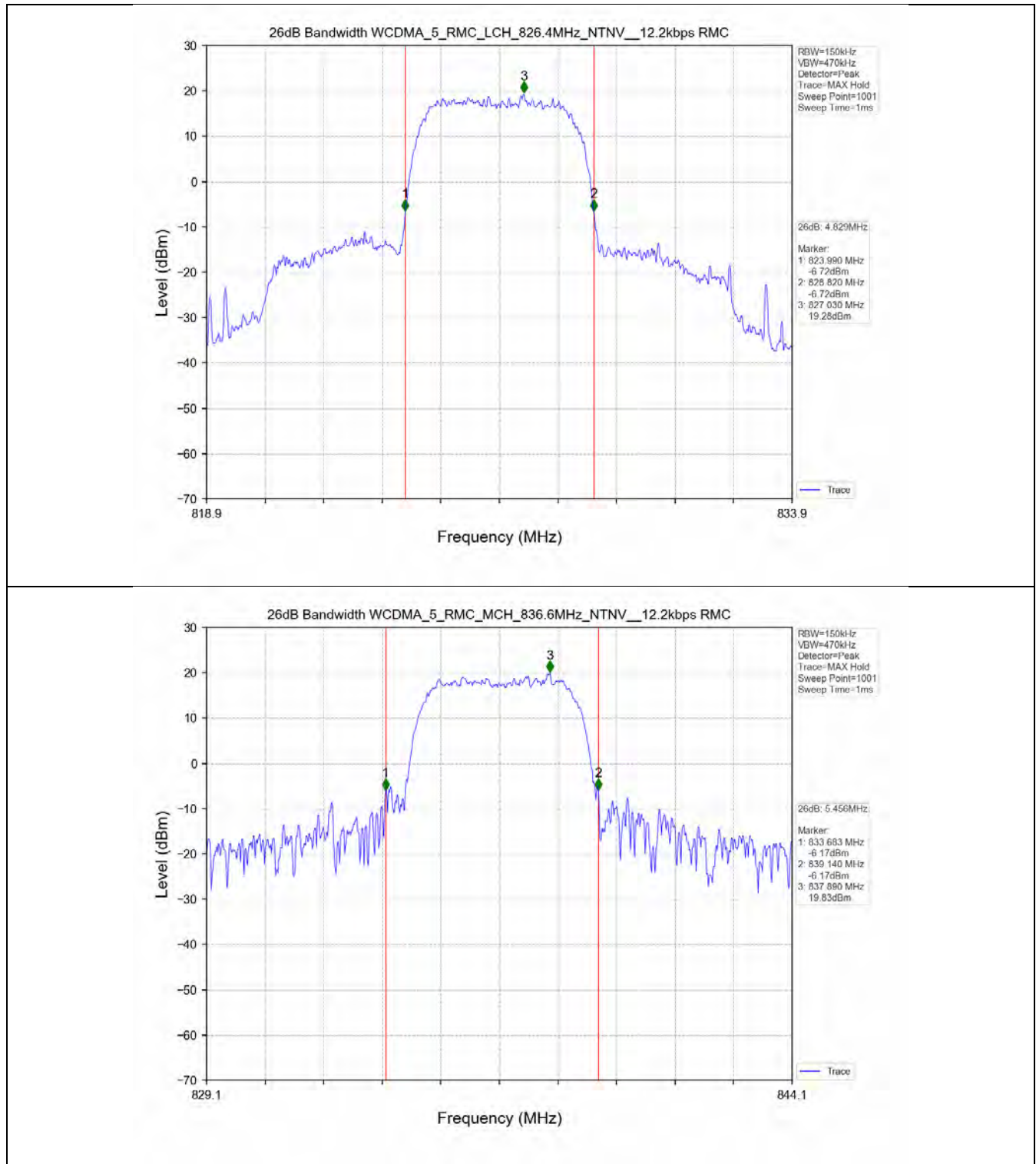


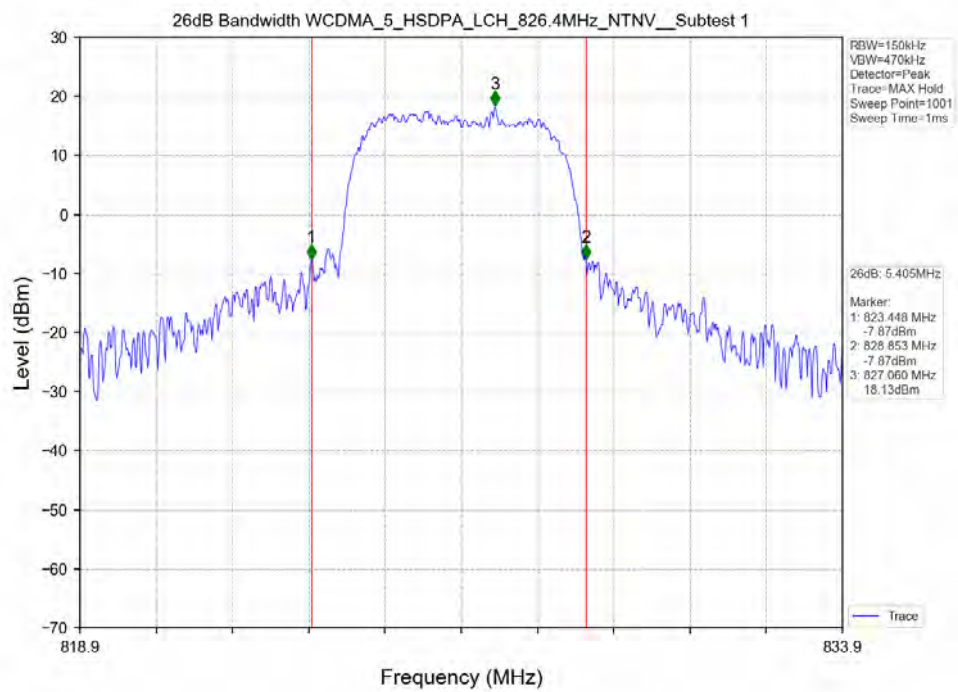
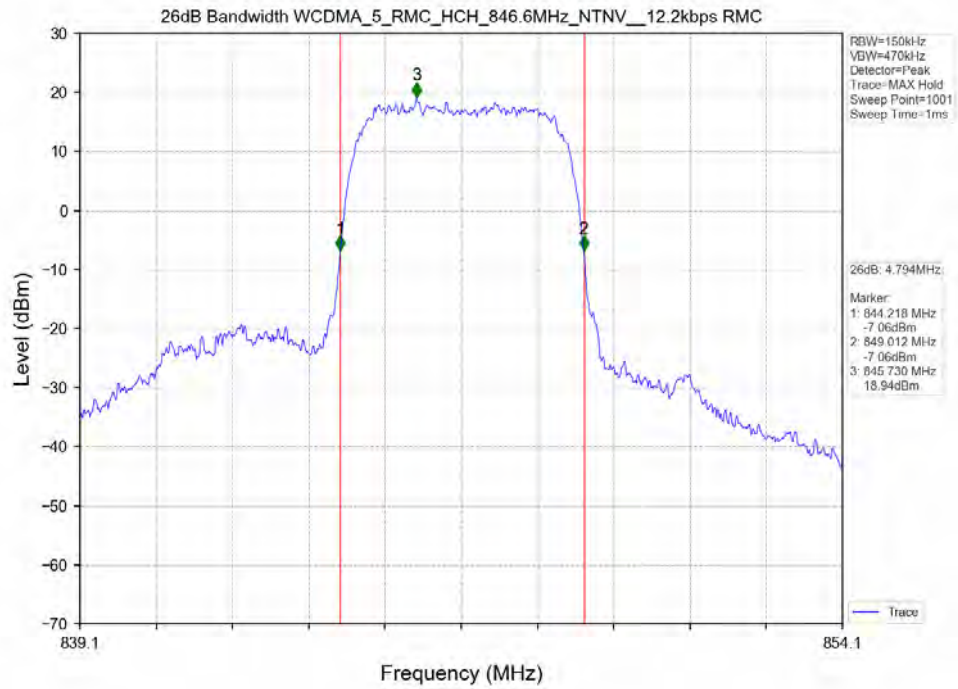


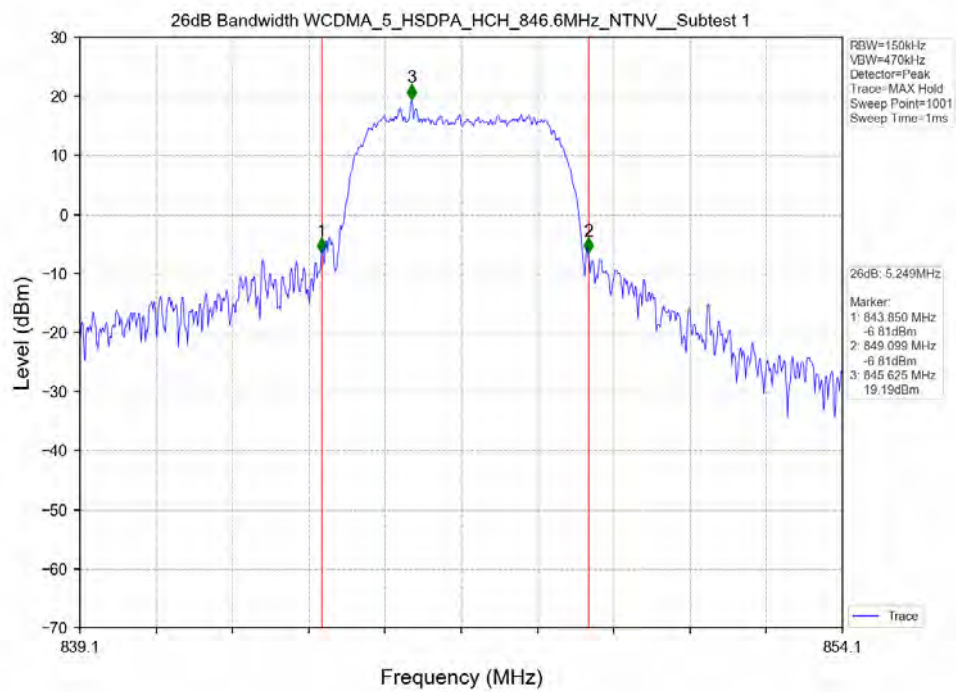
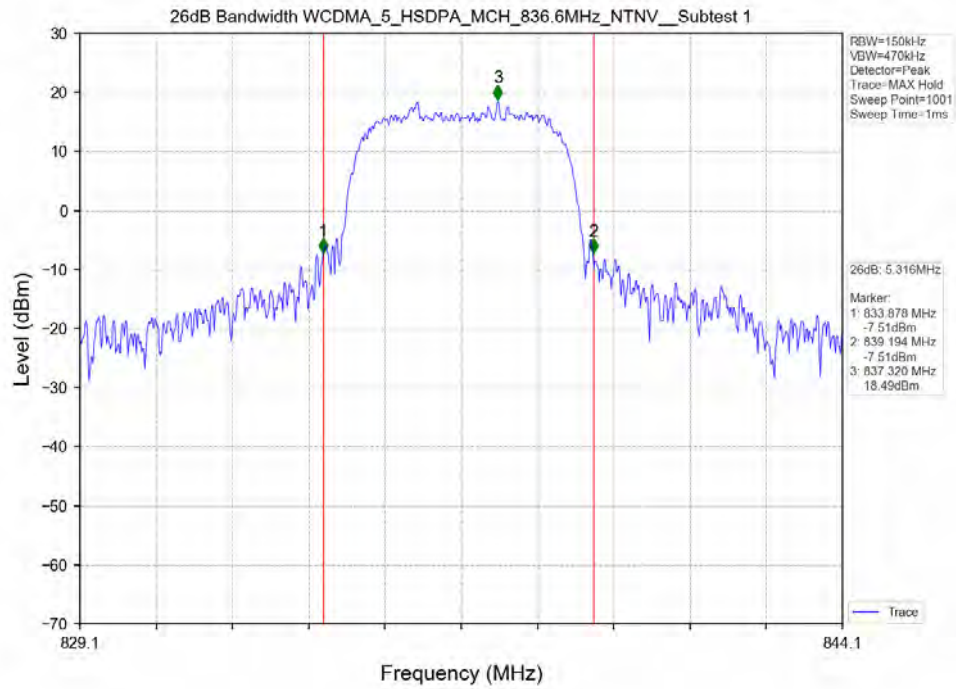


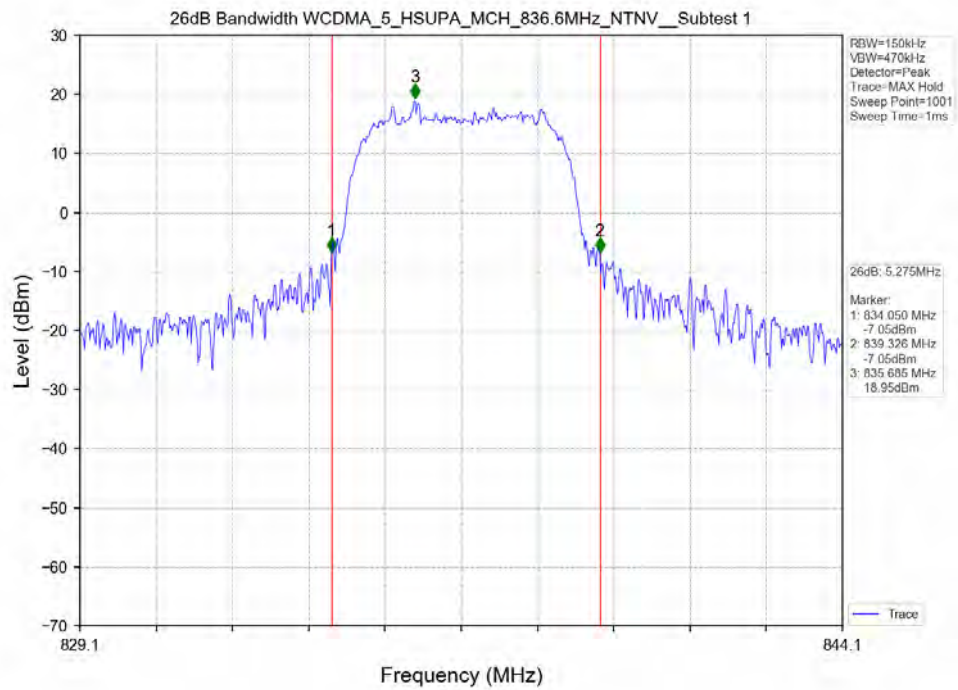
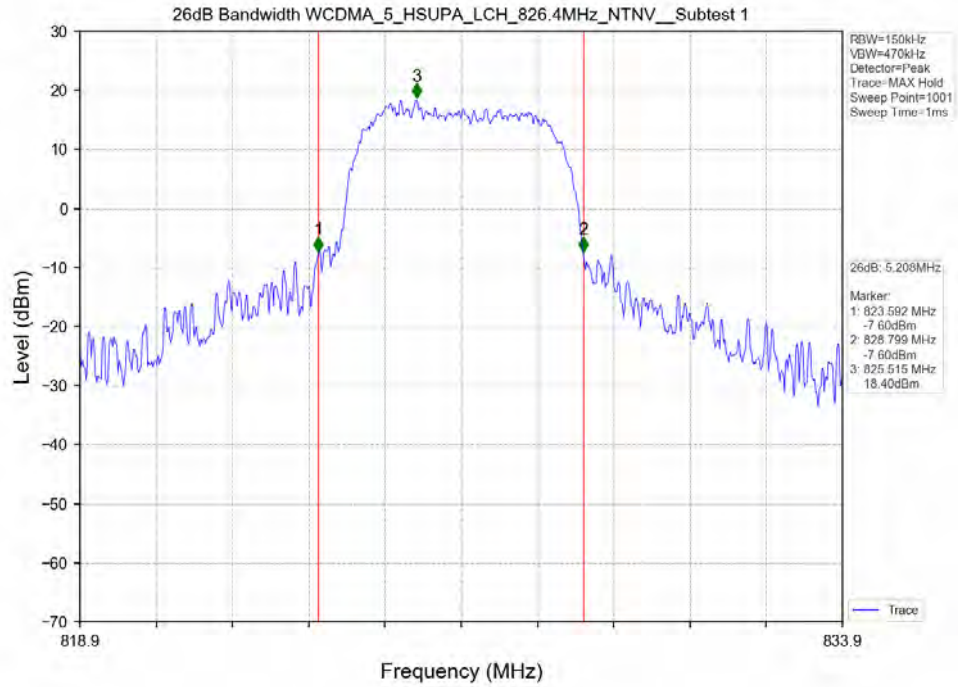
Test Band: 5					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	5.208	5.275	5.264	N/A	PASS
HSDPA	5.405	5.316	5.249	N/A	PASS
RMC	4.829	5.456	4.794	N/A	PASS

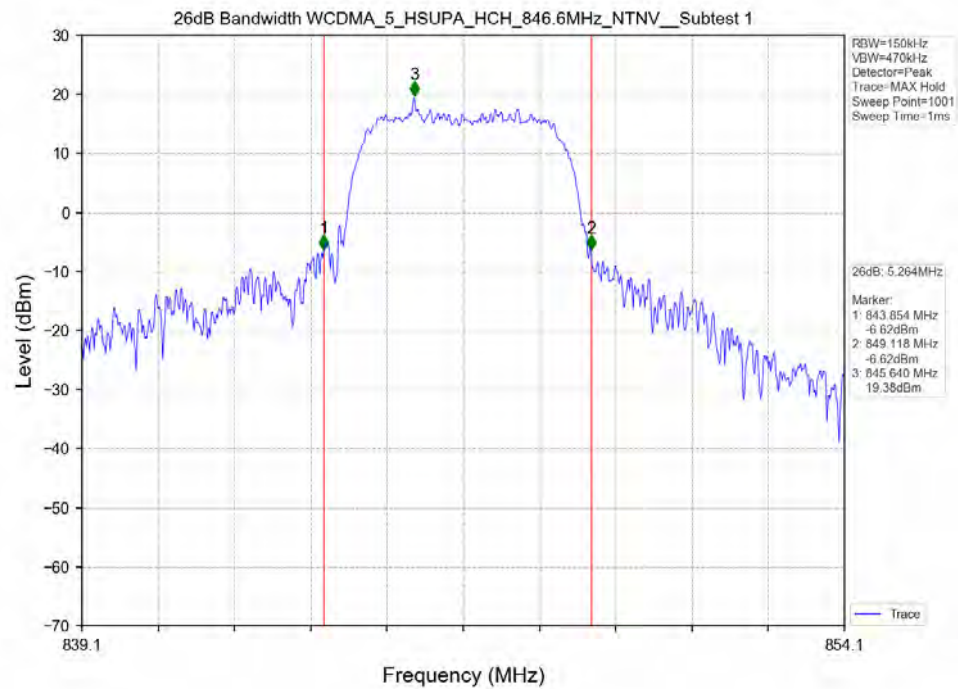
4.2 Test Graph









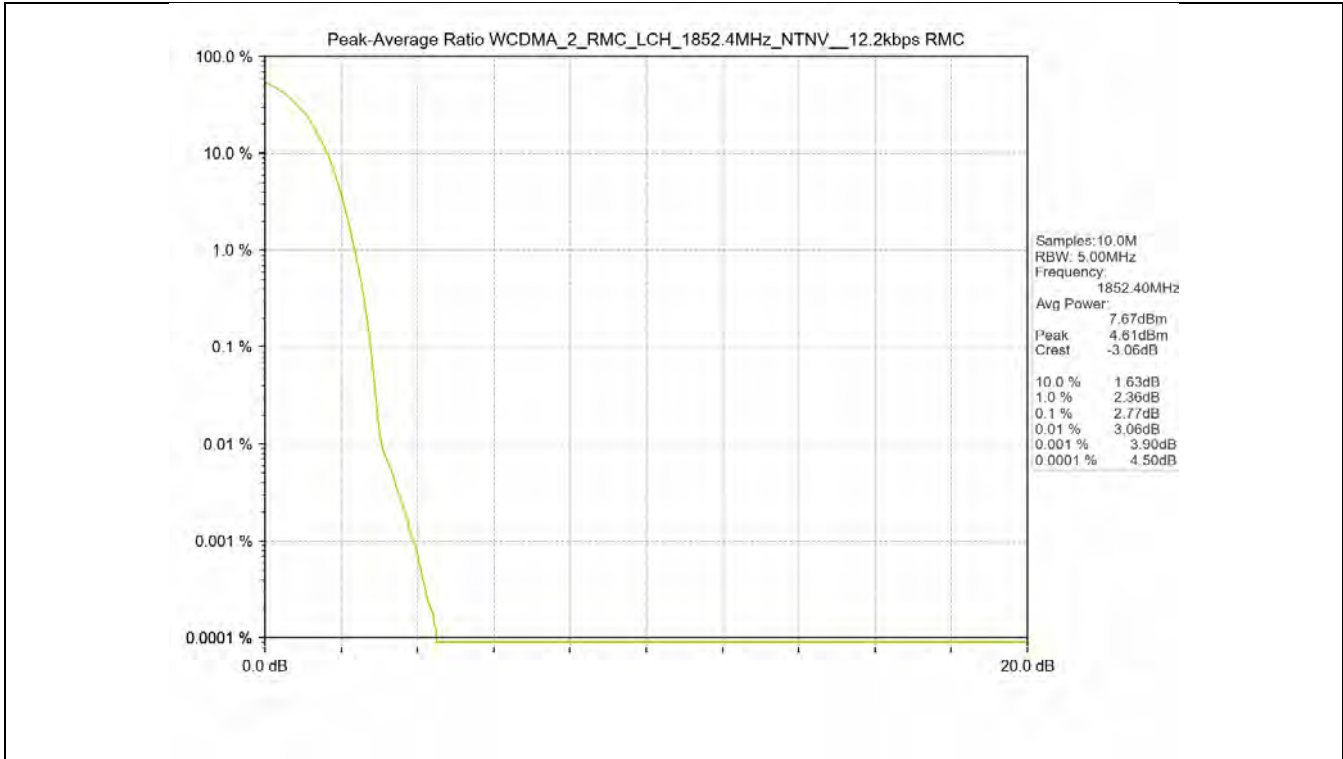


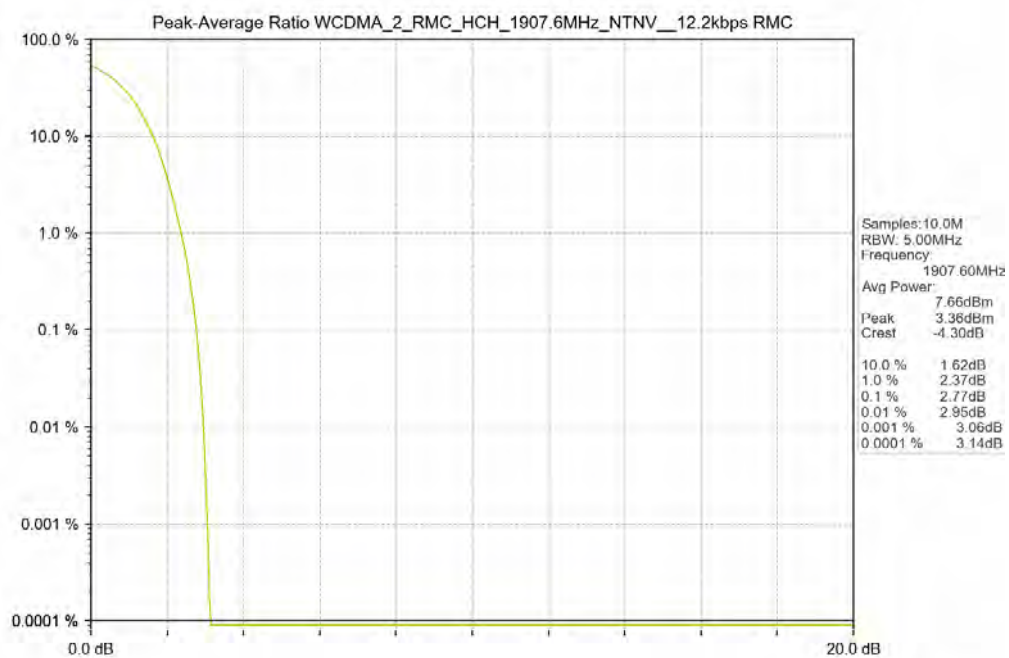
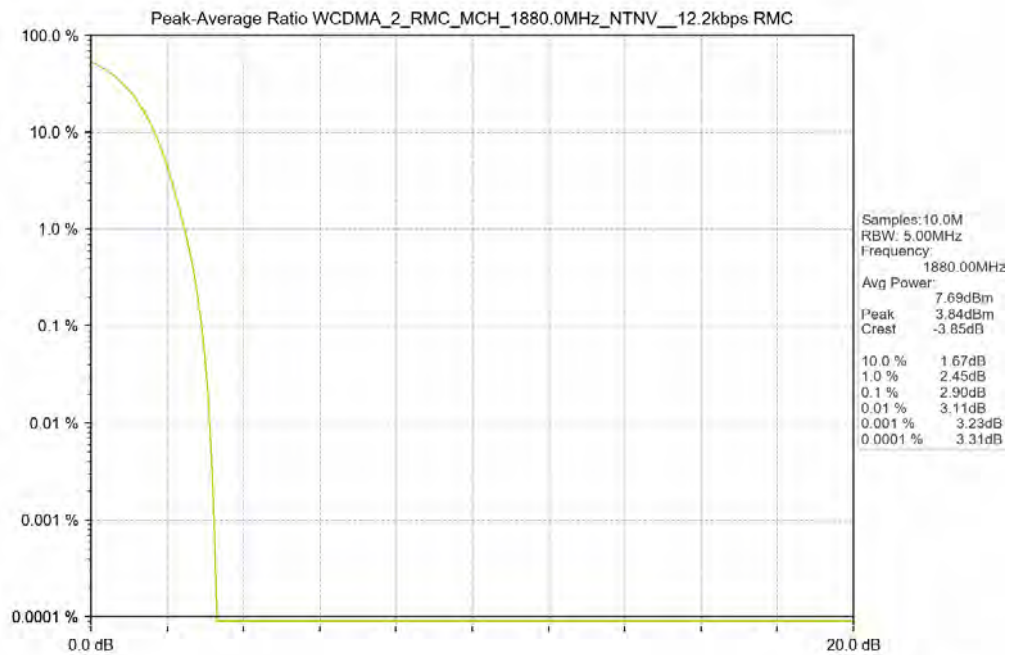
5. Peak-Average Ratio

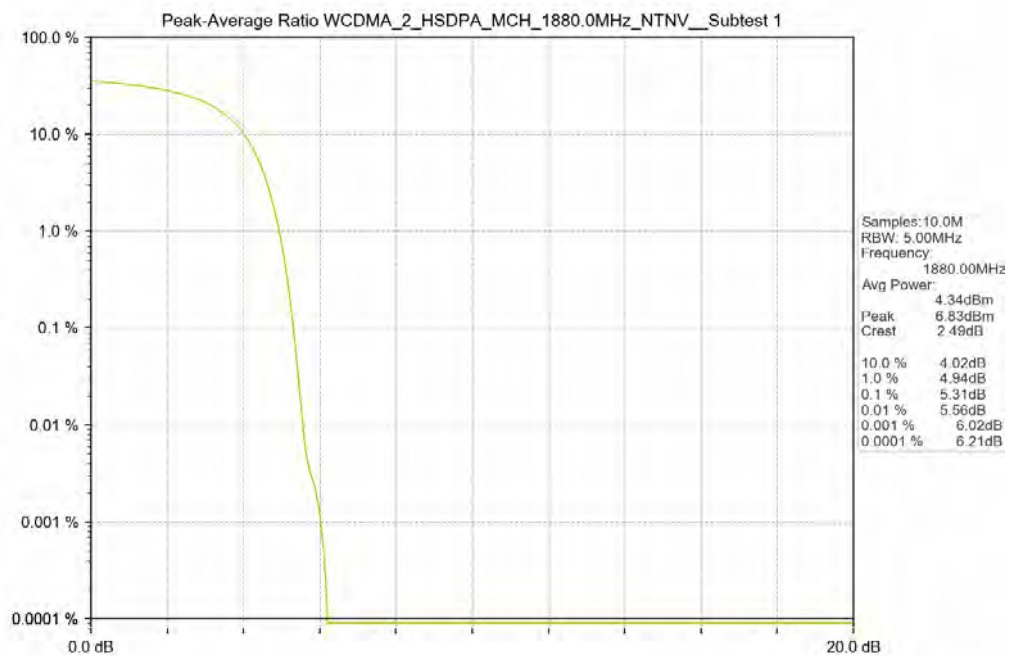
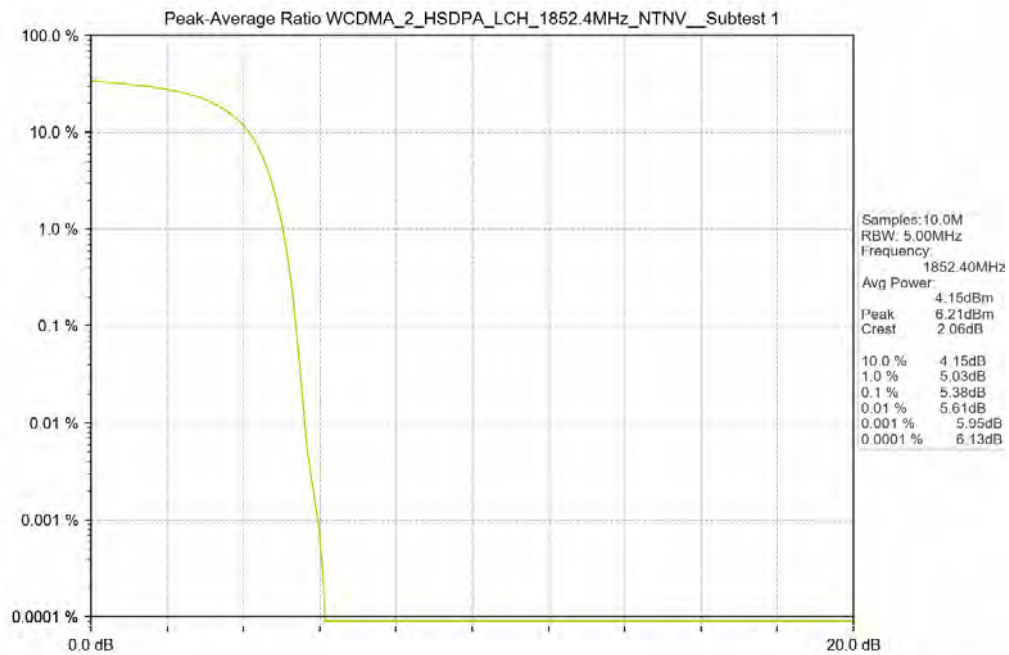
5.1 Test Result

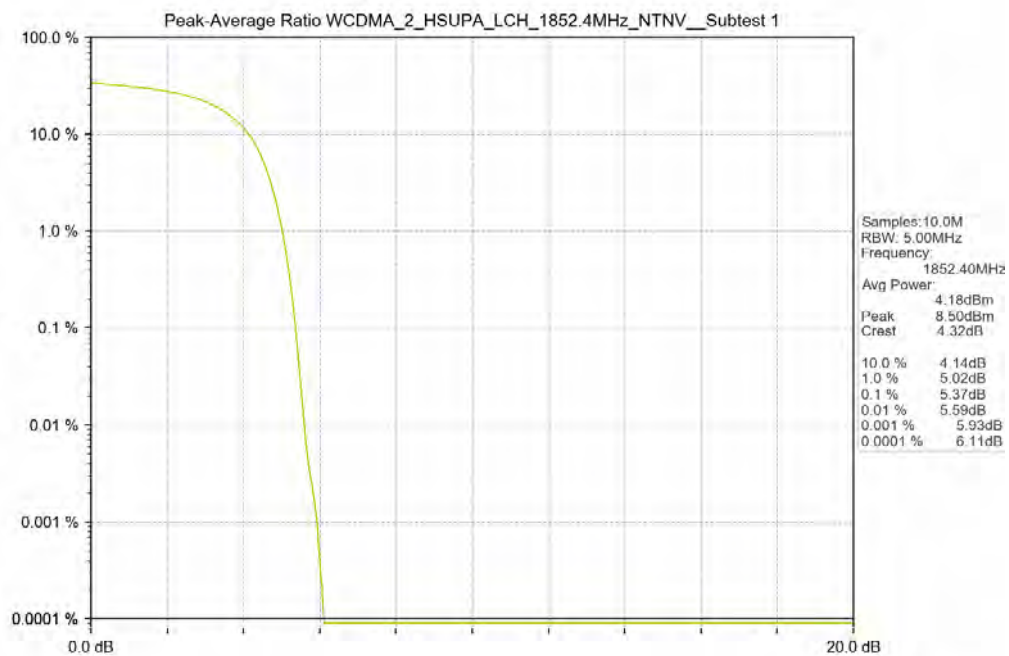
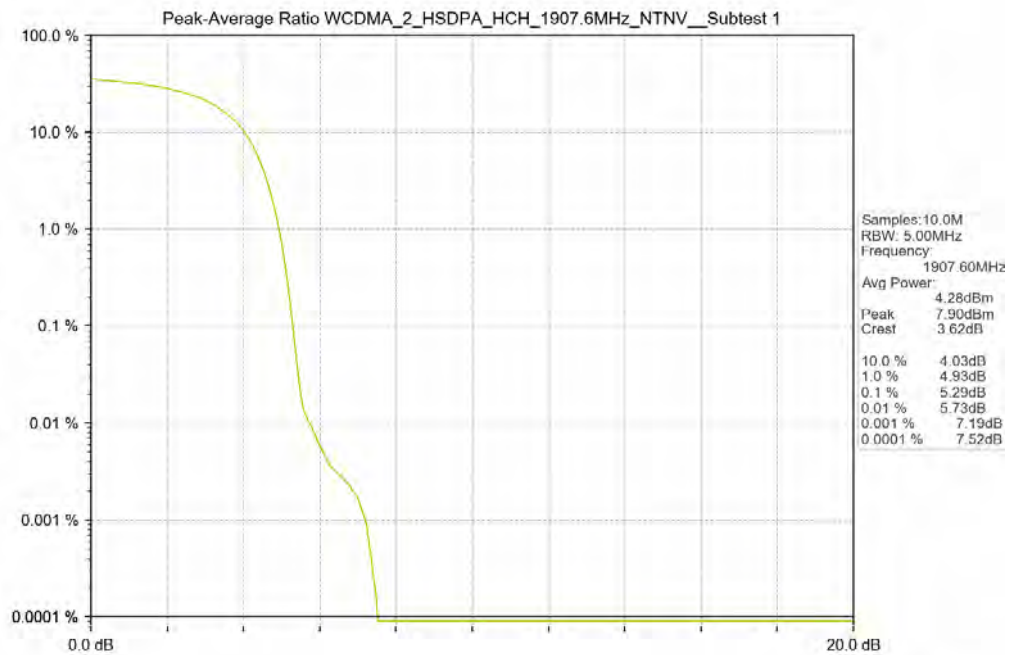
Test Band: 2					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
HSUPA	5.37	5.30	5.24	13	PASS
HSDPA	5.38	5.31	5.29	13	PASS
RMC	2.77	2.90	2.77	13	PASS

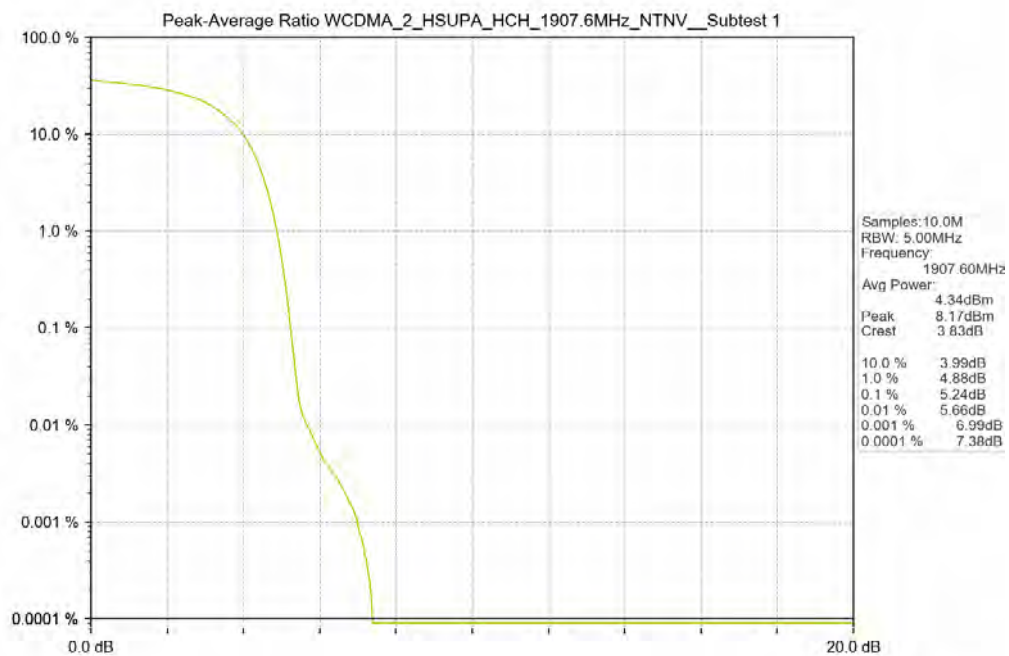
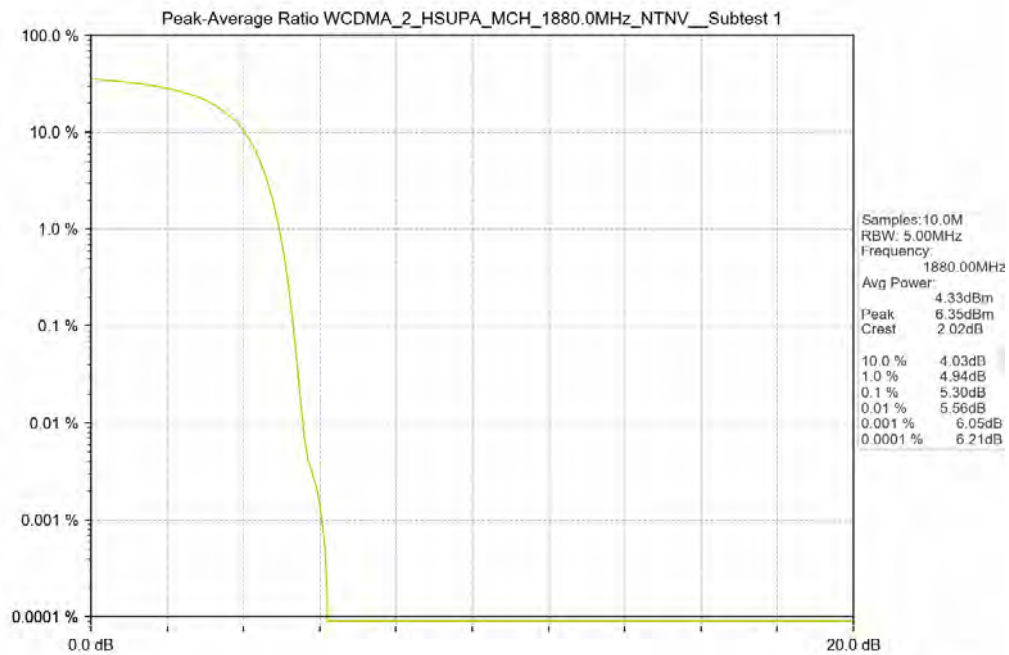
5.2 Test Graph





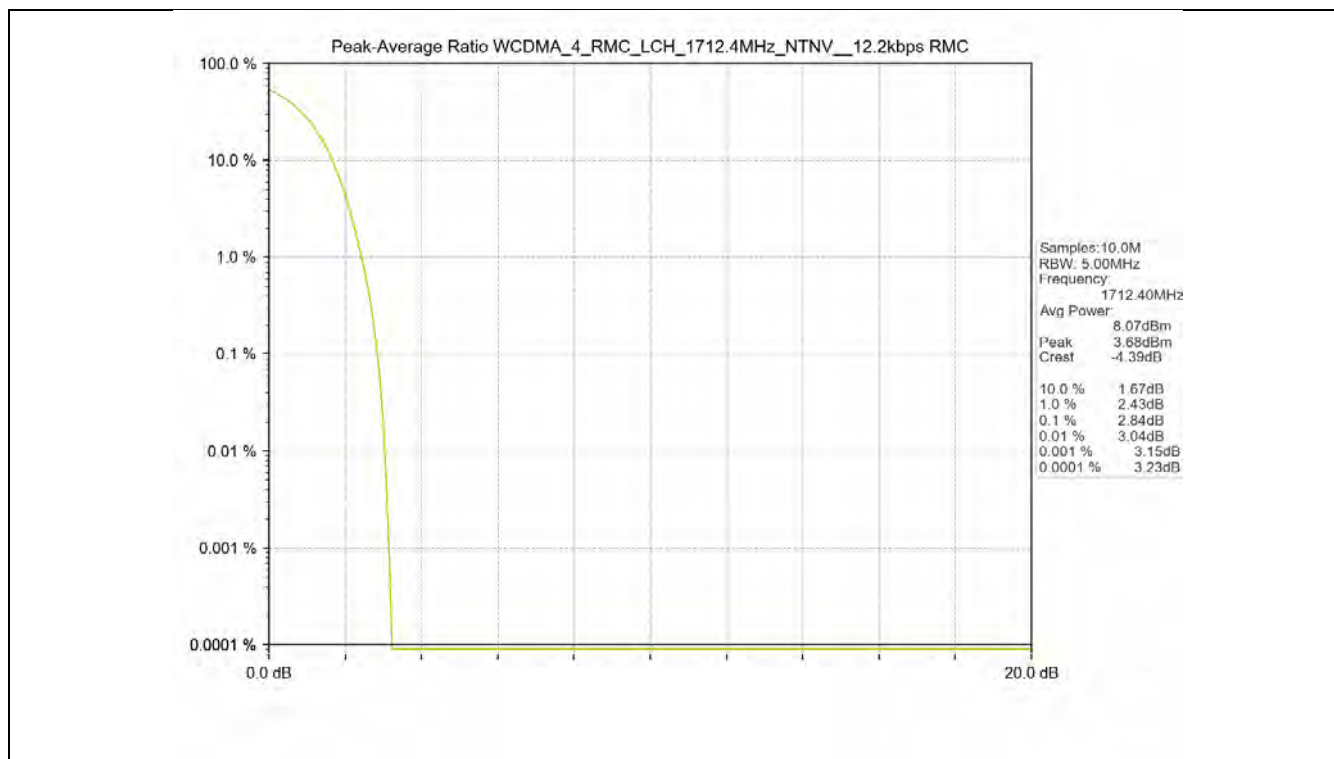


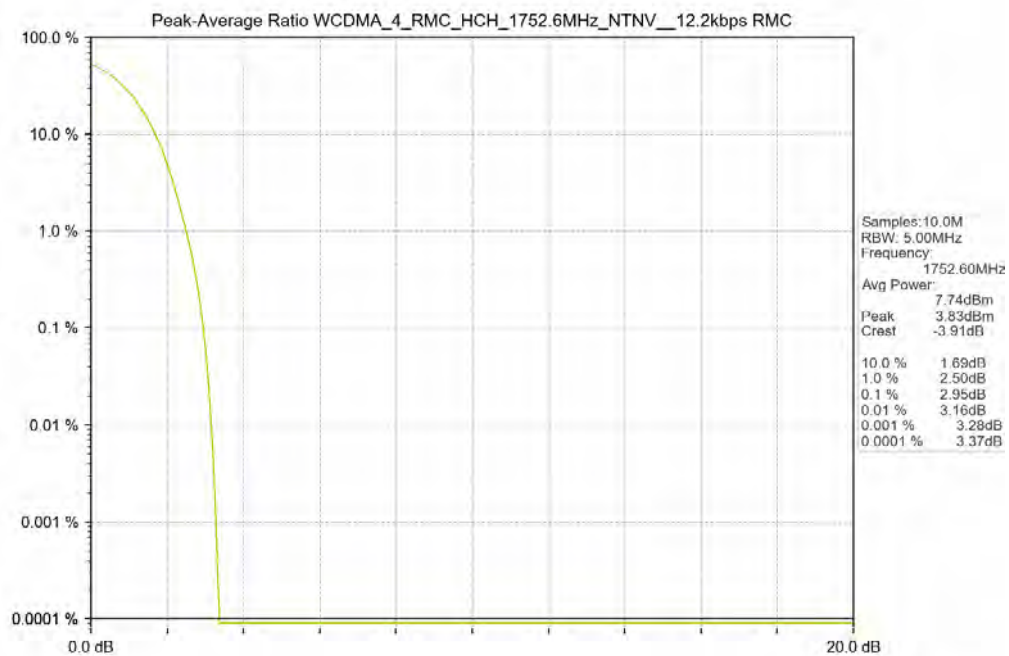
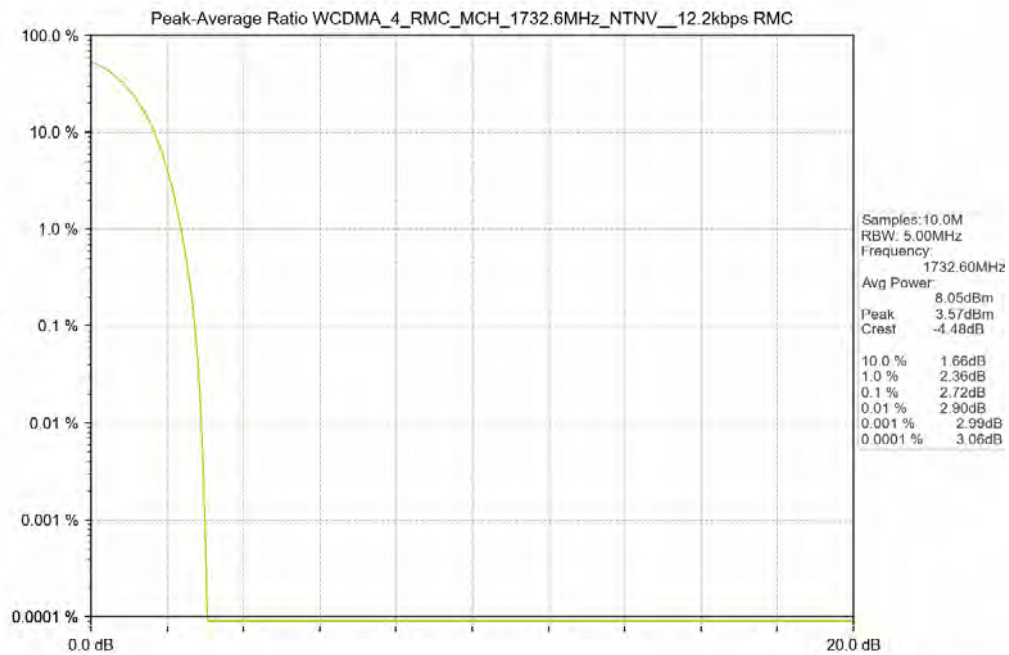


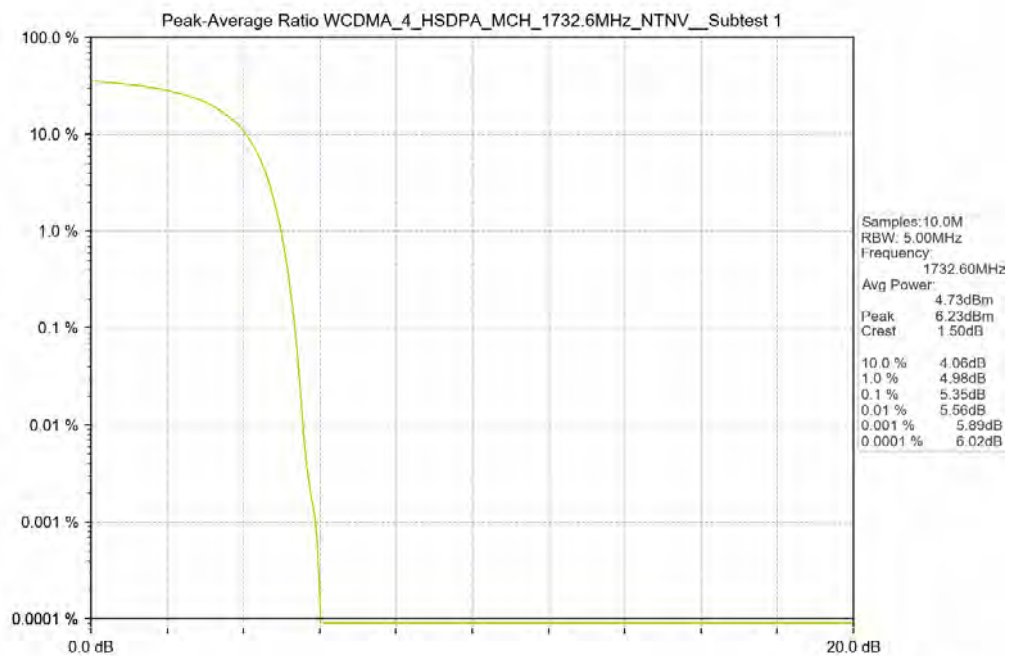
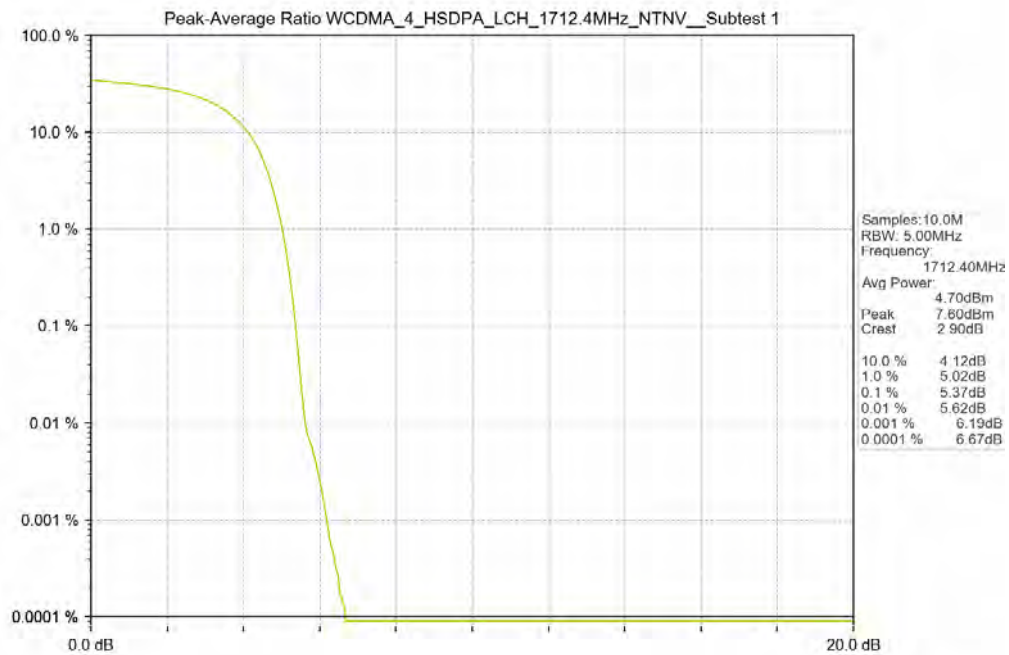


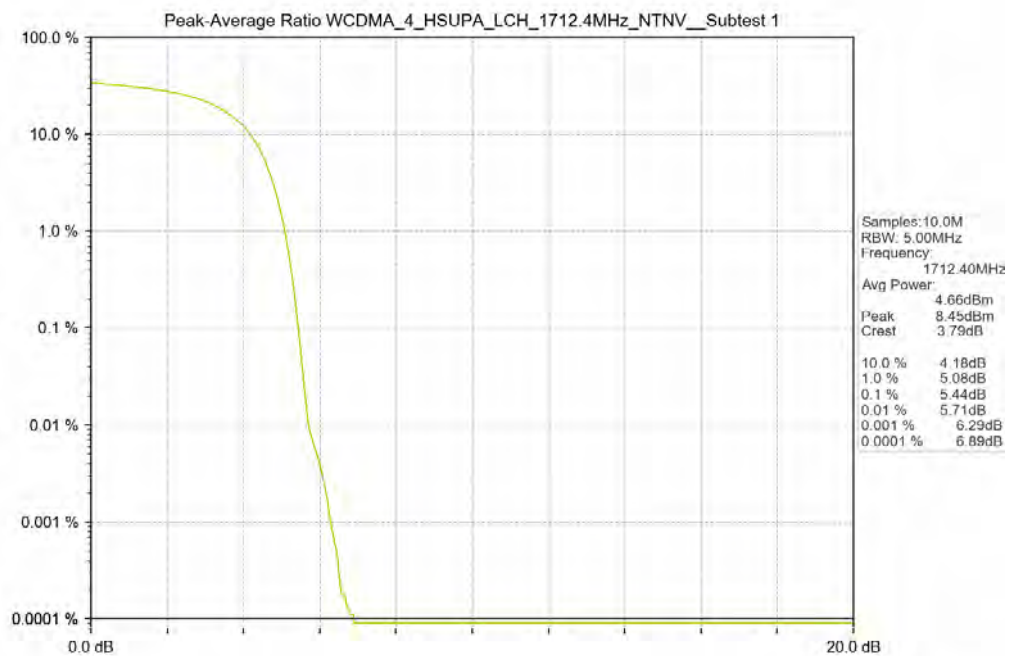
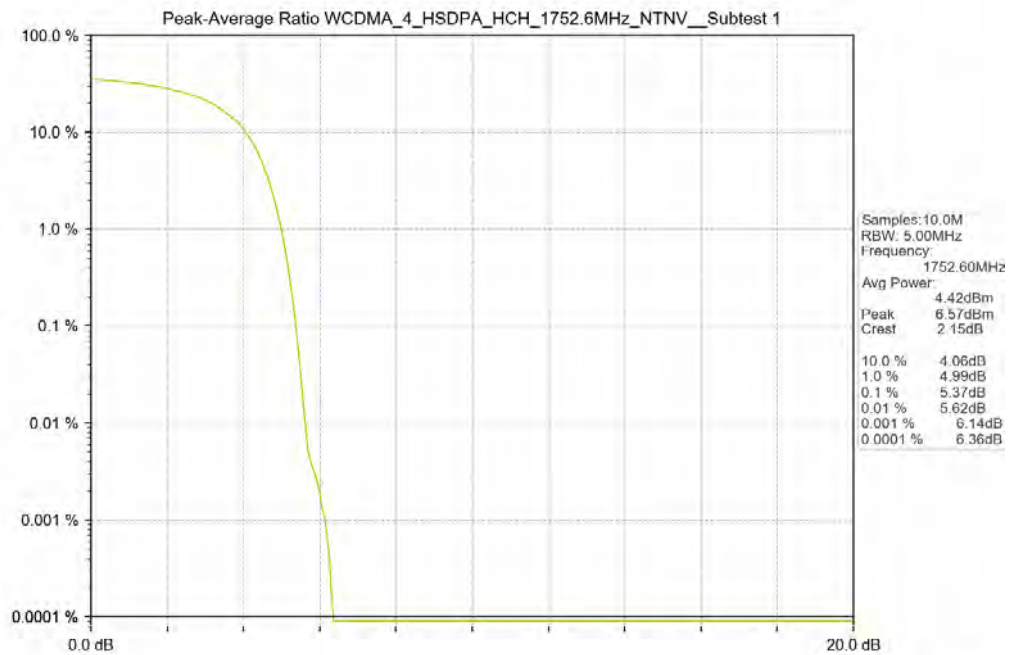
Test Band: 4					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
HSUPA	5.44	5.38	5.37	13	PASS
HSDPA	5.37	5.35	5.37	13	PASS
RMC	2.84	2.72	2.95	13	PASS

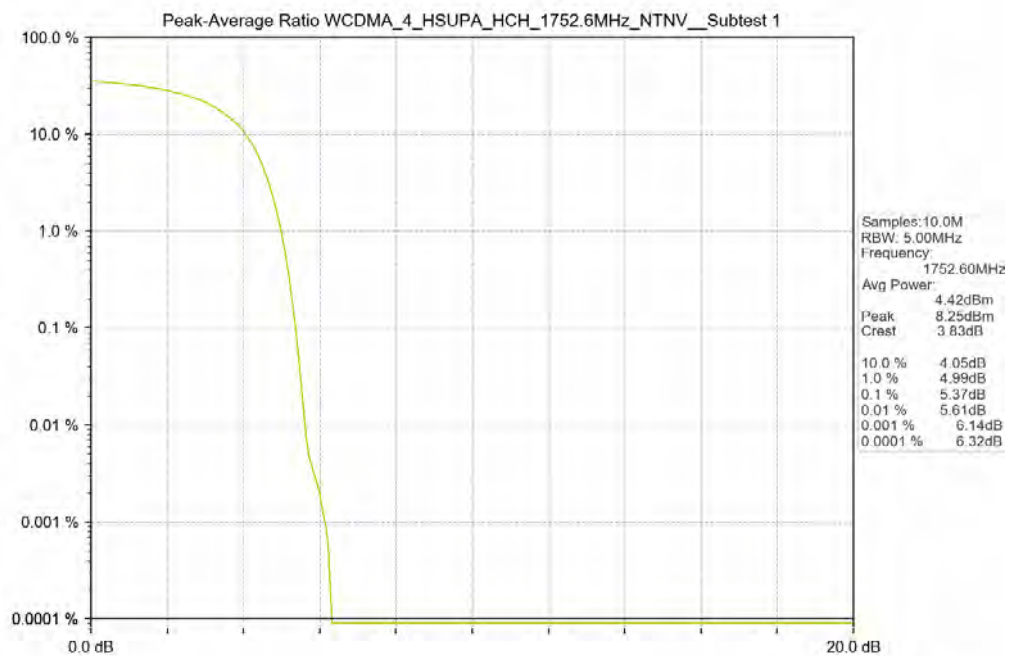
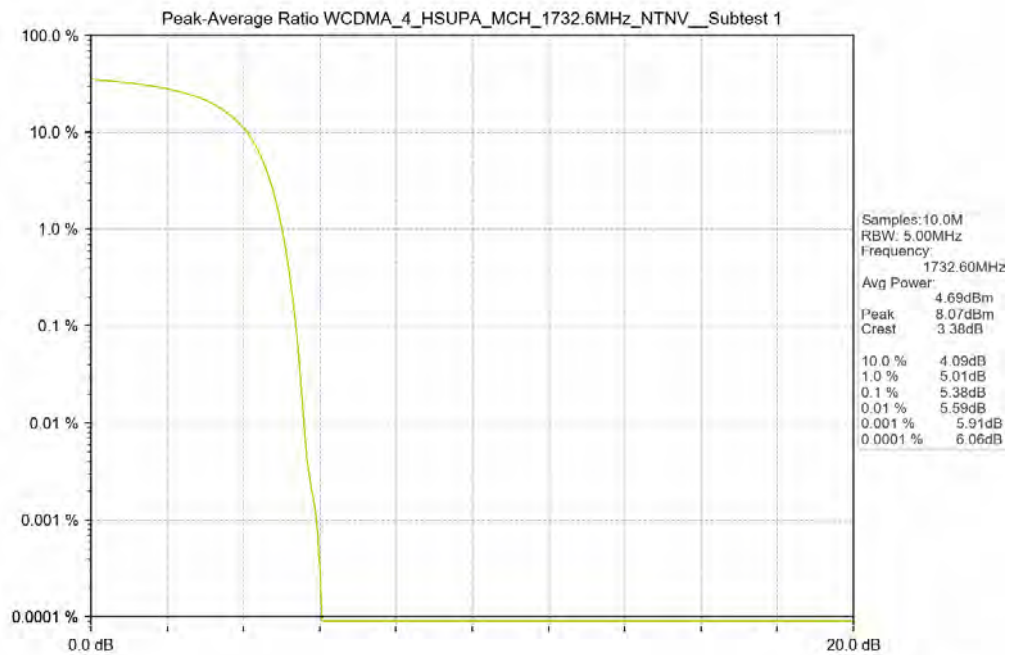
5.2 Test Graph





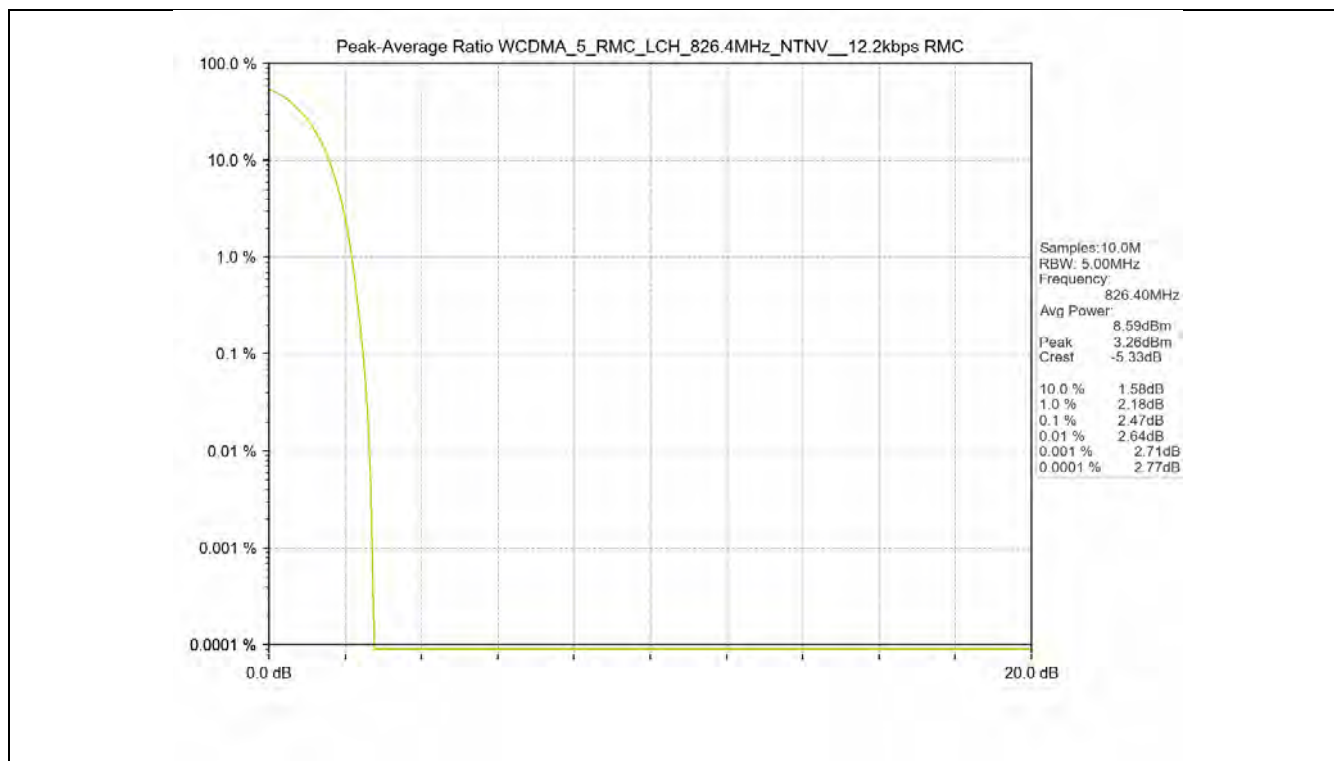


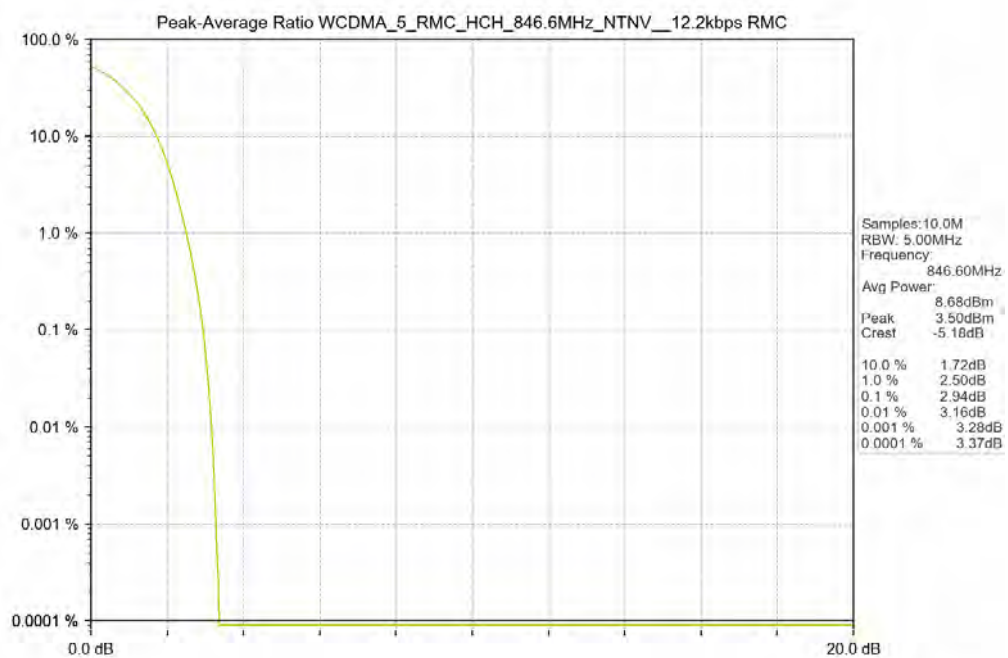
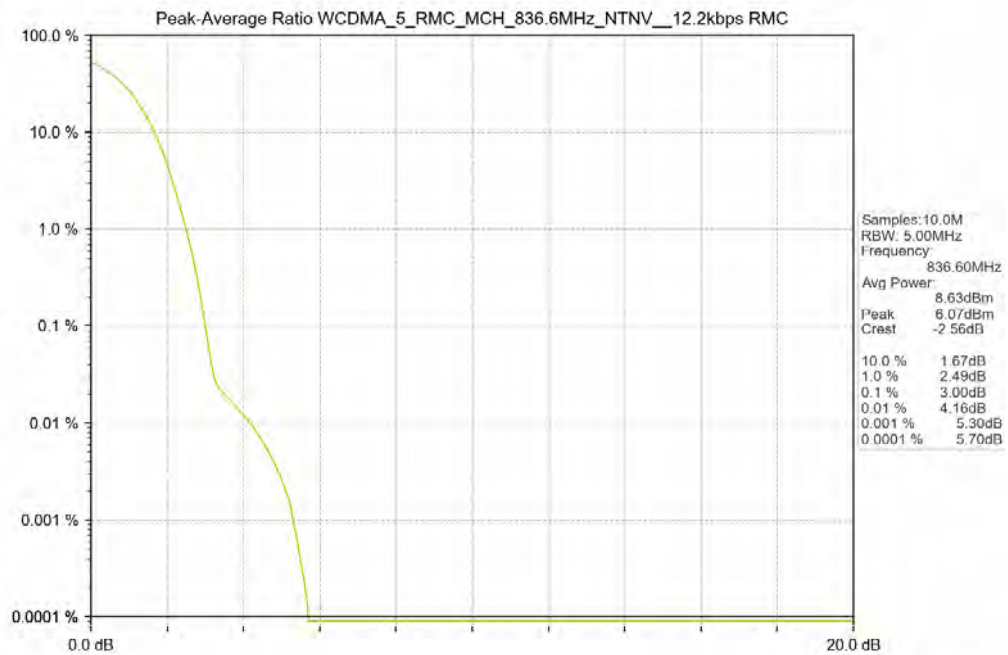


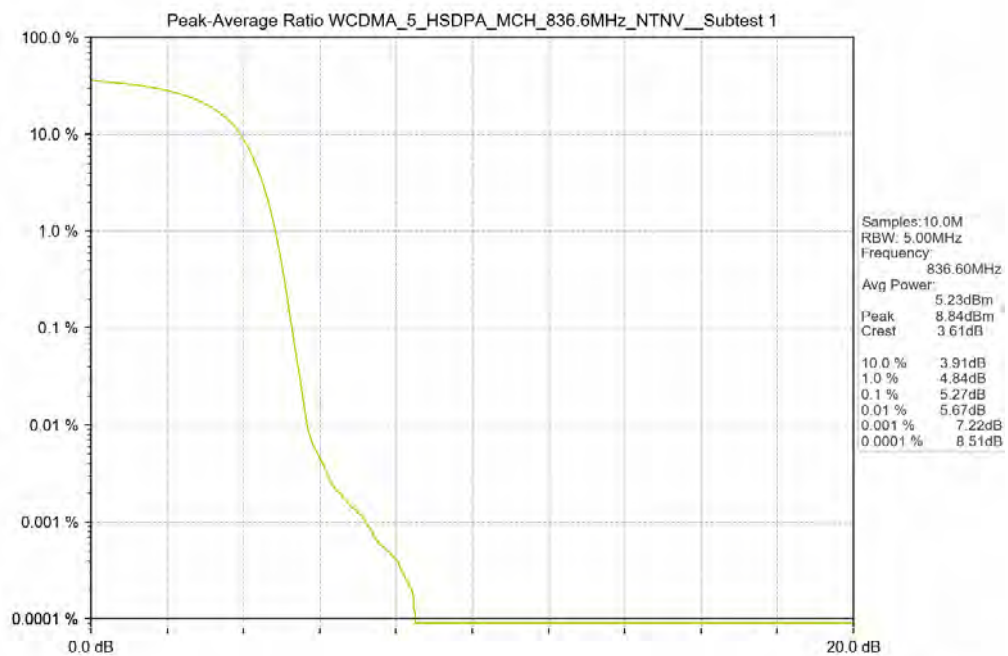
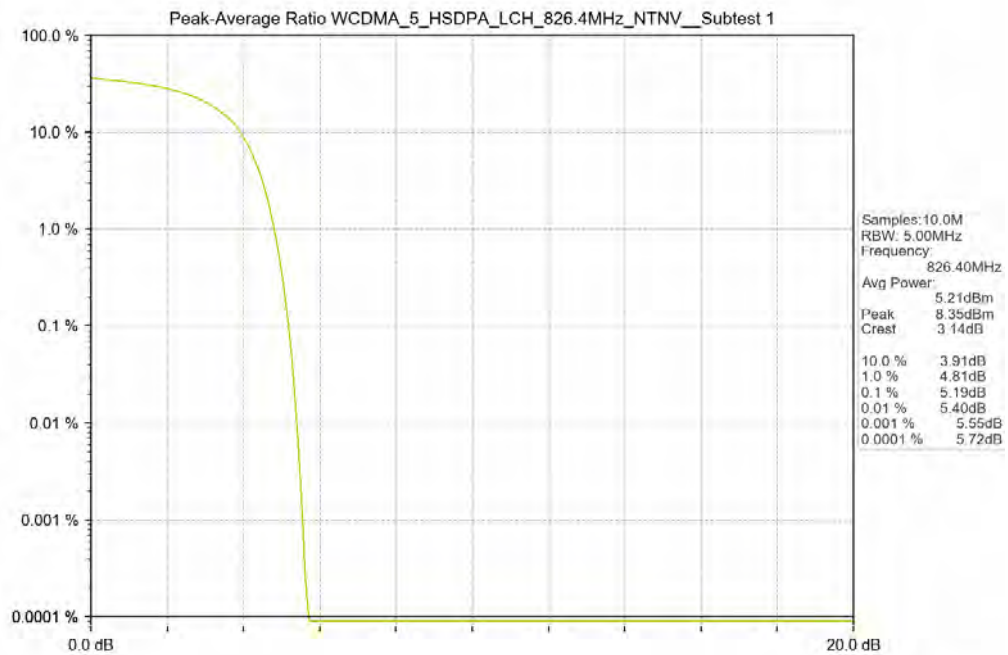


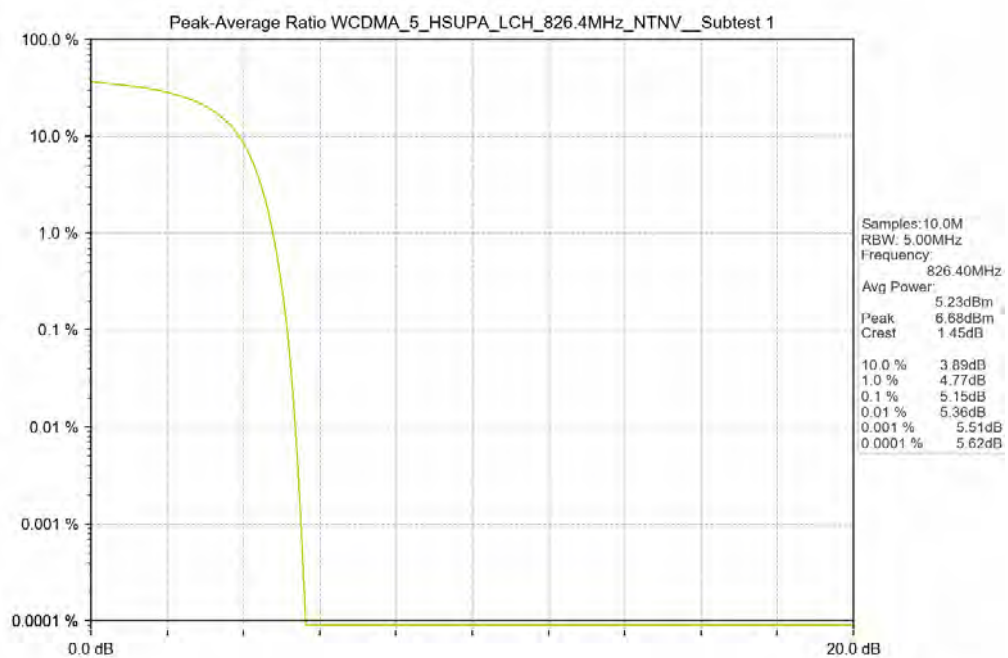
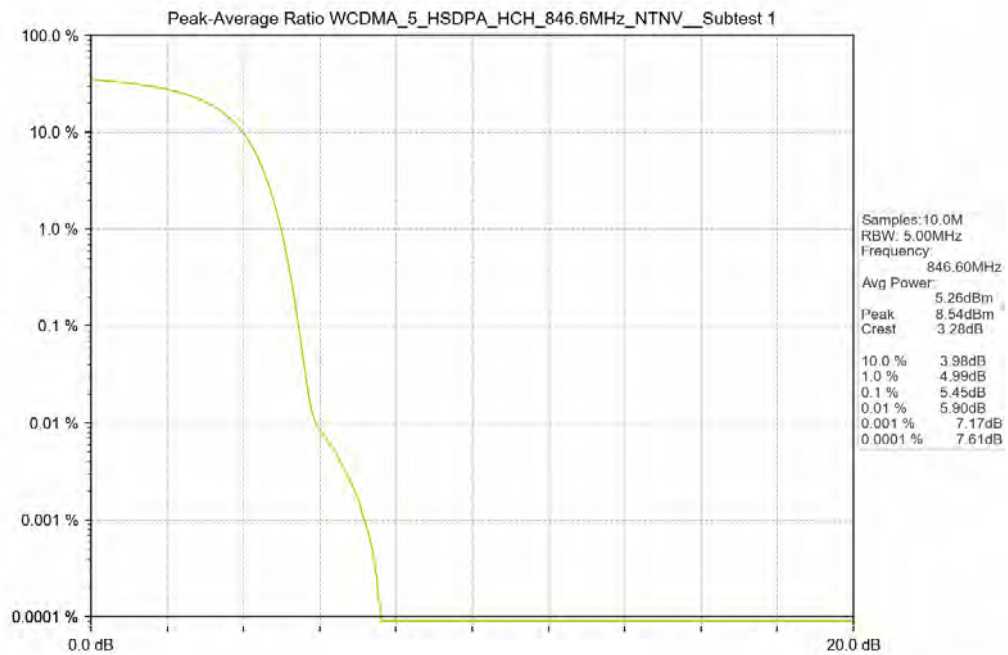
Test Band: 5					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
HSUPA	5.15	5.27	5.38	13	PASS
HSDPA	5.19	5.27	5.45	13	PASS
RMC	2.47	3.00	2.94	13	PASS

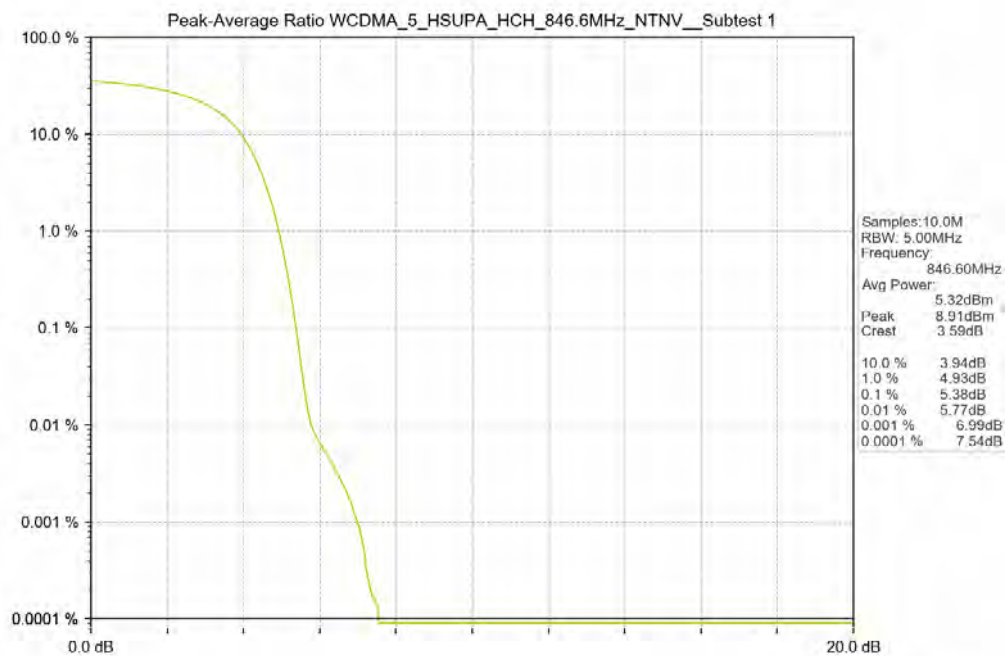
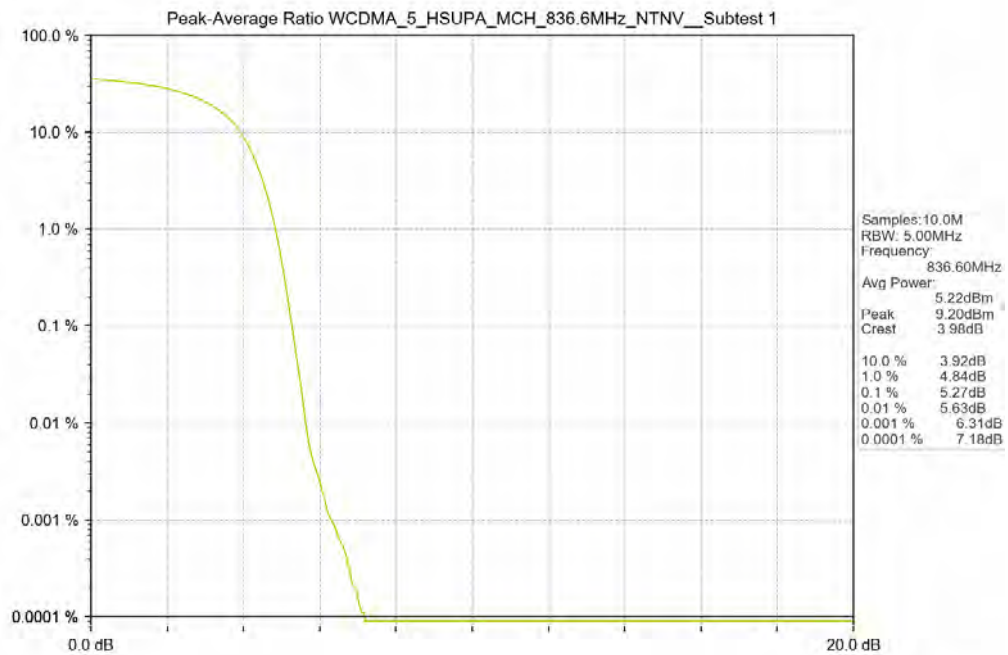
5.2 Test Graph











6. Spurious Emission

6.1 Test Graph

