

Test Model: TD0301

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	19.06	19.22	19.53	/	1.00	20.06	20.22	20.53	30.00	PASS
	Subtest 2	19.40	19.04	19.30	/	1.00	20.40	20.04	20.30	30.00	PASS
	Subtest 3	19.15	18.79	19.30	/	1.00	20.15	19.79	20.30	30.00	PASS
	Subtest 4	19.15	19.01	19.68	/	1.00	20.15	20.01	20.68	30.00	PASS
	Subtest 5	19.40	18.76	19.58	/	1.00	20.40	19.76	20.58	30.00	PASS
HSDPA	Subtest 1	18.55	18.73	19.51	/	1.00	19.55	19.73	20.51	30.00	PASS
	Subtest 2	19.18	19.09	19.68	/	1.00	20.18	20.09	20.68	30.00	PASS
	Subtest 3	19.12	19.12	19.77	/	1.00	20.12	20.12	20.77	30.00	PASS
	Subtest 4	18.86	18.55	19.51	/	1.00	19.86	19.55	20.51	30.00	PASS
RMC	12.2kbps RMC	21.17	22.91	23.45	/	1.00	22.17	23.91	24.45	30.00	PASS

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

B2. Frequency stability

B2.1 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	29.2826	-2.0170	-33.8888	0.0171	-0.0012	-0.0193	2.50	PASS
		NV	29.2540	-1.7166	-34.0819	0.0171	-0.0010	-0.0194	2.50	PASS
		HV	29.0179	-0.7010	-33.9174	0.0169	-0.0004	-0.0194	2.50	PASS
HSDPA	NT	LV	29.0608	-0.3290	-34.3251	0.0170	-0.0002	-0.0196	2.50	PASS
		NV	30.1695	-1.3733	-33.4096	0.0176	-0.0008	-0.0191	2.50	PASS
		HV	30.5486	-0.9441	-33.4740	0.0178	-0.0005	-0.0191	2.50	PASS
RMC	NT	LV	32.7373	-0.3433	-31.7788	0.0191	-0.0002	-0.0181	2.50	PASS
		NV	33.1163	-0.1359	-31.1565	0.0193	-0.0001	-0.0178	2.50	PASS
		HV	33.0448	-0.1216	-31.1208	0.0193	-0.0001	-0.0178	2.50	PASS

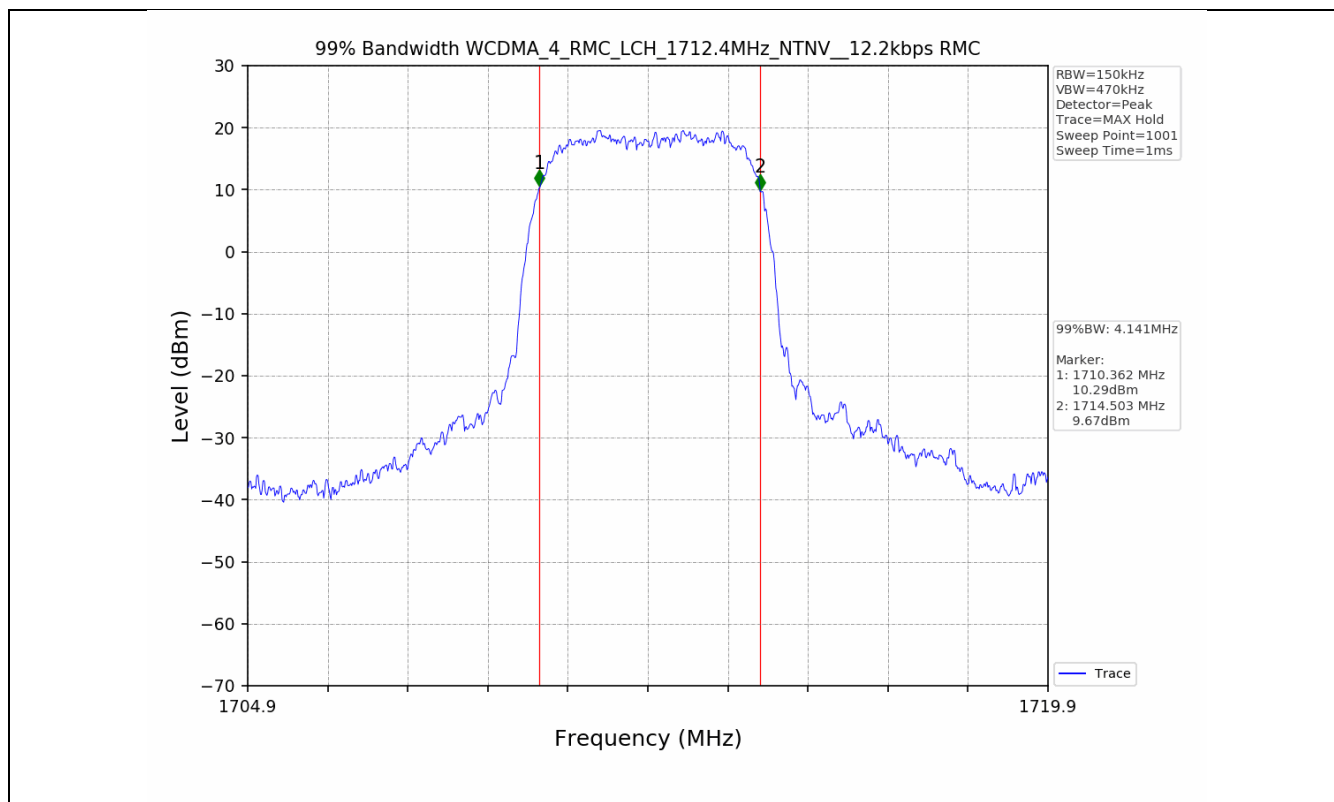
Test Band: 4 (Frequency Error VS. Temperature)										
Test Mode	Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
			LCH	MCH	HCH	LCH	MCH	HCH		
HSUPA	NV	-30.00	30.0479	-0.9656	-33.7887	0.0175	-0.0006	-0.0193	2.50	PASS
		-20.00	30.3769	-0.8655	-34.7972	0.0177	-0.0005	-0.0199	2.50	PASS
		-10.00	29.9334	-1.6880	-34.9188	0.0175	-0.0010	-0.0199	2.50	PASS
		0.00	30.0622	-1.3447	-35.0475	0.0176	-0.0008	-0.0200	2.50	PASS
		10.00	30.7488	-1.1945	-34.2250	0.0180	-0.0007	-0.0195	2.50	PASS
		20.00	29.0108	-1.8168	-34.7042	0.0169	-0.0010	-0.0198	2.50	PASS
		30.00	30.7918	-0.9584	-34.5612	0.0180	-0.0006	-0.0197	2.50	PASS
		40.00	29.9120	-1.1373	-33.7744	0.0175	-0.0007	-0.0193	2.50	PASS
		50.00	30.8847	-1.3590	-33.4954	0.0180	-0.0008	-0.0191	2.50	PASS
HSDPA	NV	-30.00	29.9406	-2.2316	-33.2737	0.0175	-0.0013	-0.0190	2.50	PASS
		-20.00	30.9563	-0.7296	-32.2938	0.0181	-0.0004	-0.0184	2.50	PASS
		-10.00	30.3698	-1.1802	-33.2808	0.0177	-0.0007	-0.0190	2.50	PASS
		0.00	29.0966	-1.2875	-33.6027	0.0170	-0.0007	-0.0192	2.50	PASS
		10.00	30.7202	-1.6308	-33.6528	0.0179	-0.0009	-0.0192	2.50	PASS
		20.00	29.4256	-0.8941	-32.8088	0.0172	-0.0005	-0.0187	2.50	PASS
		30.00	30.8418	-1.5807	-33.3452	0.0180	-0.0009	-0.0190	2.50	PASS
		40.00	28.7461	-1.4949	-33.0949	0.0168	-0.0009	-0.0189	2.50	PASS
		50.00	29.2969	-1.5450	-32.9590	0.0171	-0.0009	-0.0188	2.50	PASS
RMC	NV	-30.00	32.7730	-0.1574	-31.8074	0.0191	-0.0001	-0.0181	2.50	PASS
		-20.00	33.1235	0.2003	-32.0363	0.0193	0.0001	-0.0183	2.50	PASS
		-10.00	32.7802	0.4864	-31.2352	0.0191	0.0003	-0.0178	2.50	PASS
		0.00	32.6014	-0.6294	-31.7574	0.0190	-0.0004	-0.0181	2.50	PASS
		10.00	33.3166	0.0501	-31.5499	0.0195	0.0000	-0.0180	2.50	PASS
		20.00	33.5741	-0.0644	-31.7860	0.0196	0.0000	-0.0181	2.50	PASS
		30.00	33.2880	0.0715	-31.5857	0.0194	0.0000	-0.0180	2.50	PASS
		40.00	33.8388	0.0143	-30.7202	0.0198	0.0000	-0.0175	2.50	PASS
		50.00	33.8888	0.0000	-32.0506	0.0198	0.0000	-0.0183	2.50	PASS

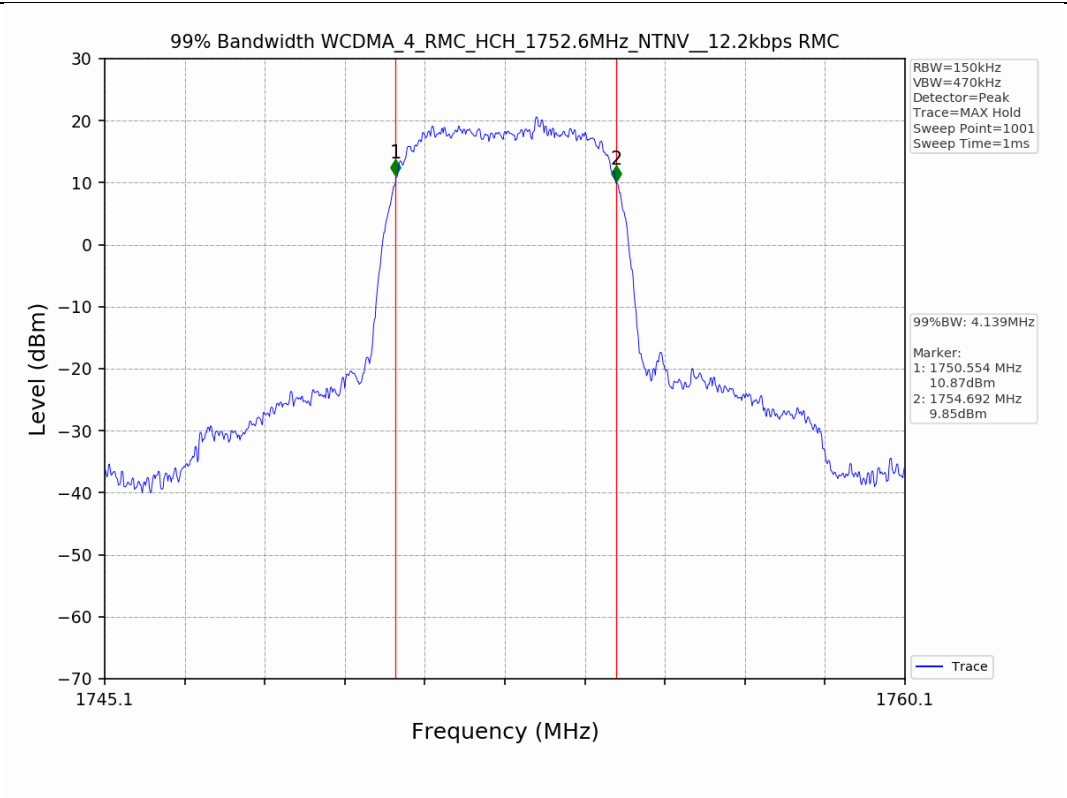
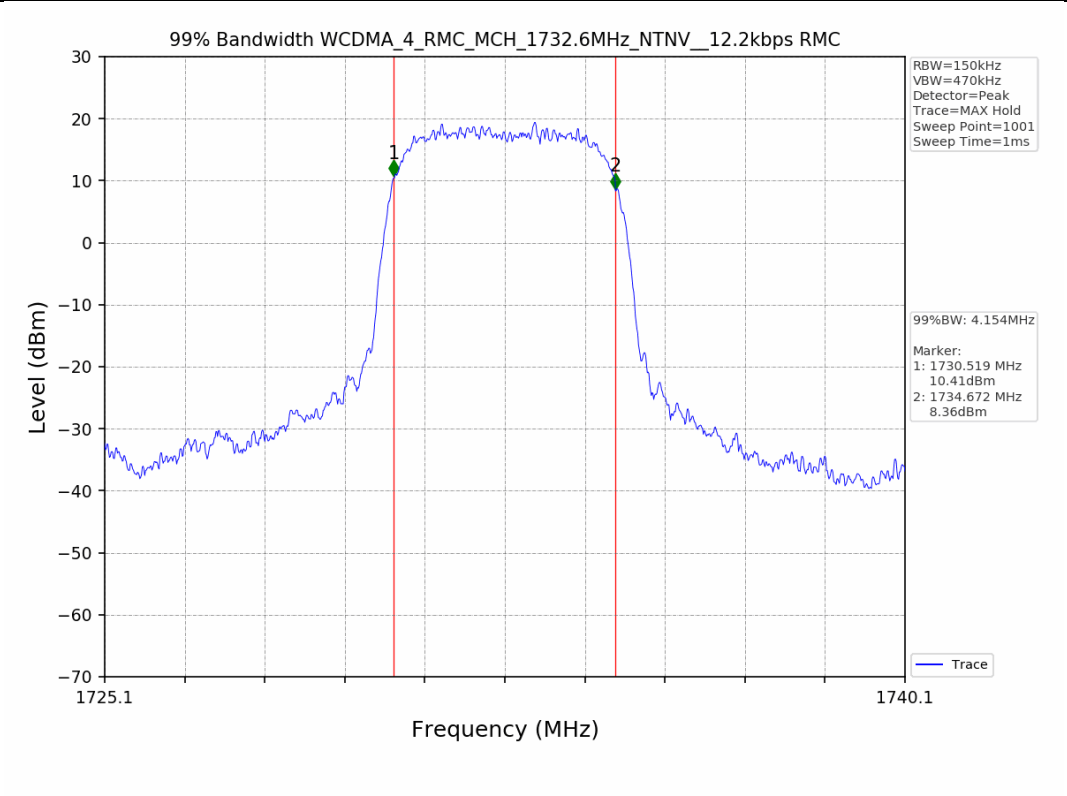
B3. 99% & 26dB Bandwidth

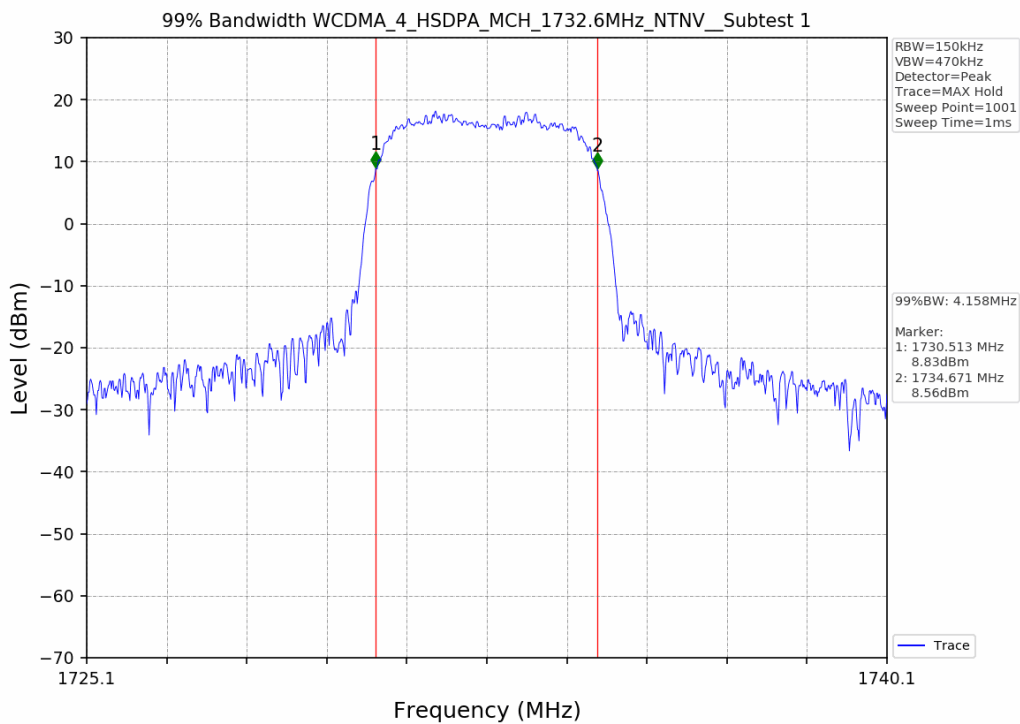
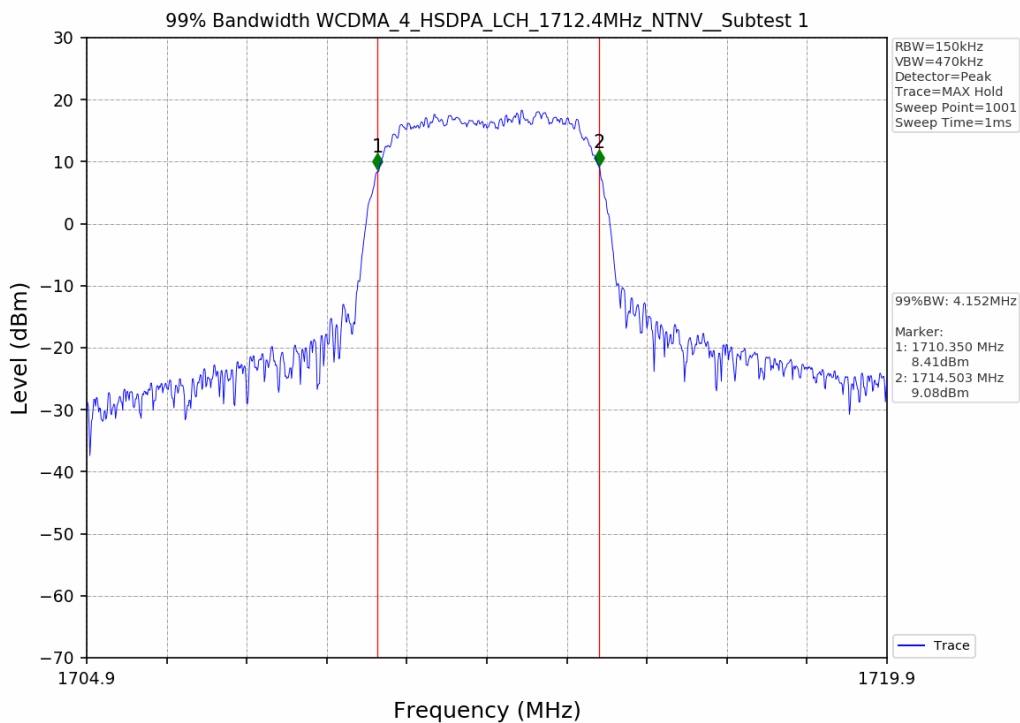
B3.1 Test Result

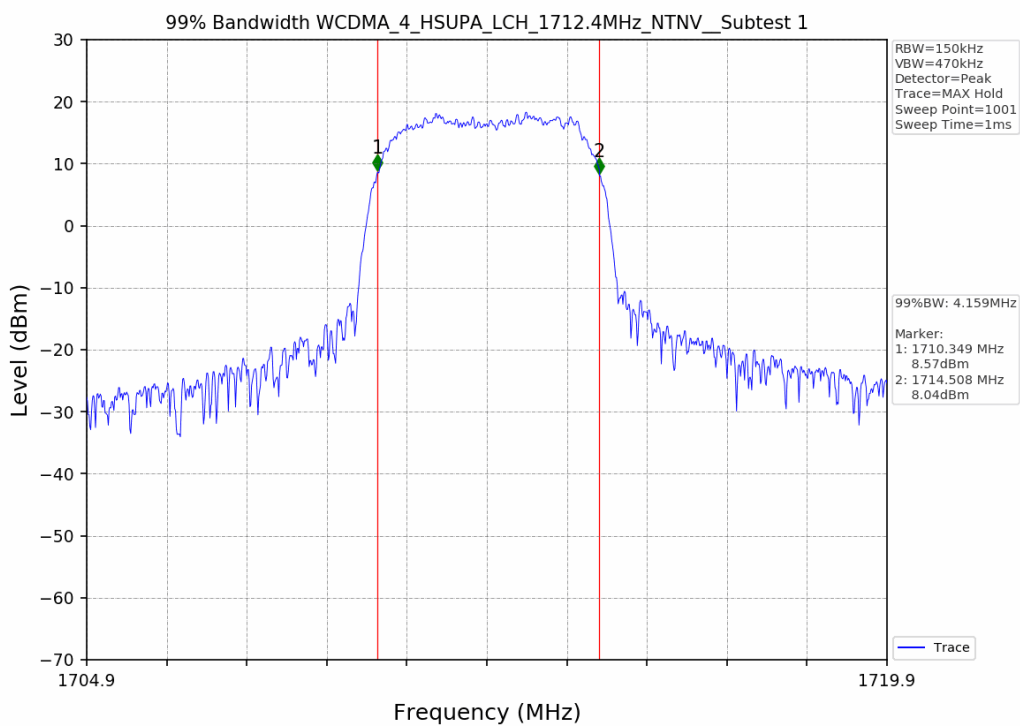
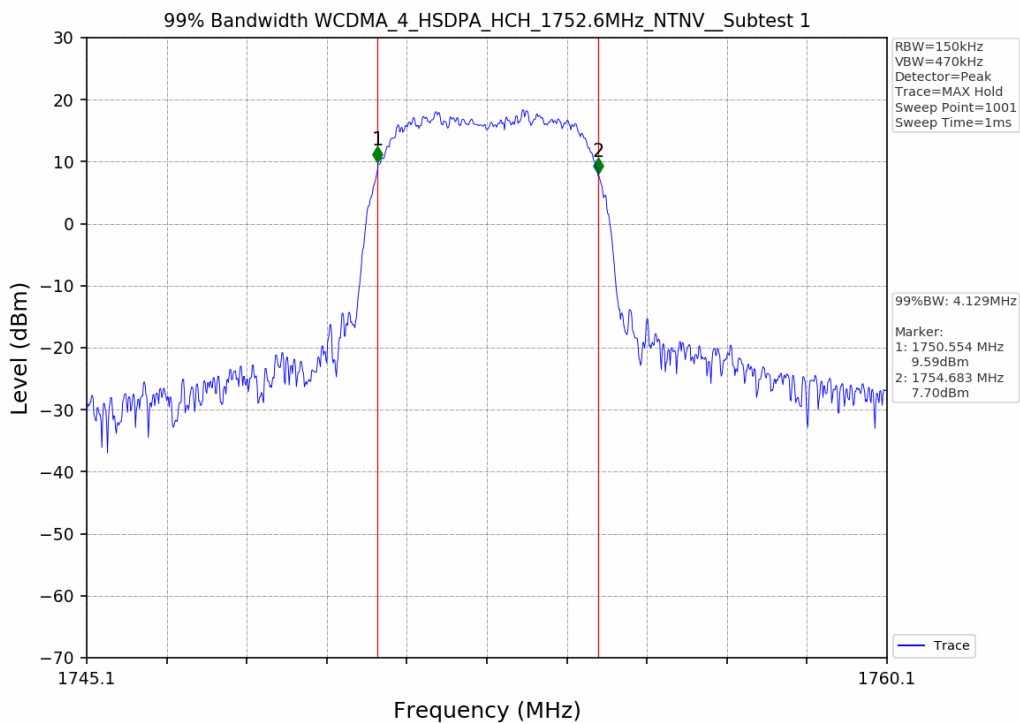
Test Band: 4					
Test Mode	99% Occupied Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	4.159	4.152	4.144	N/A	PASS
HSDPA	4.152	4.158	4.129	N/A	PASS
RMC	4.141	4.154	4.139	N/A	PASS

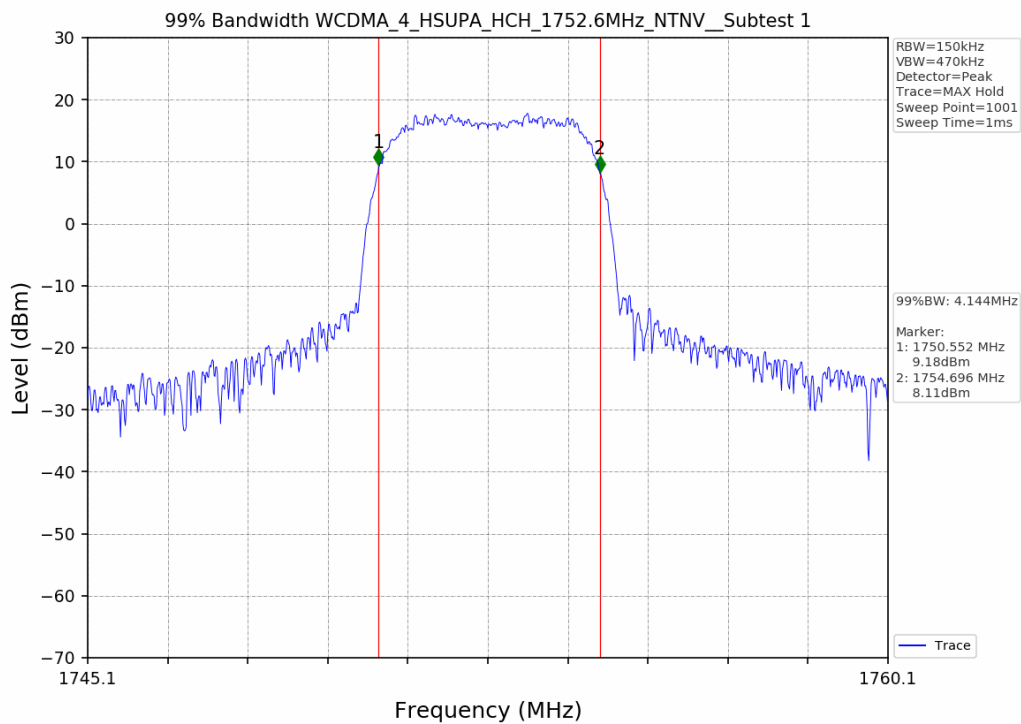
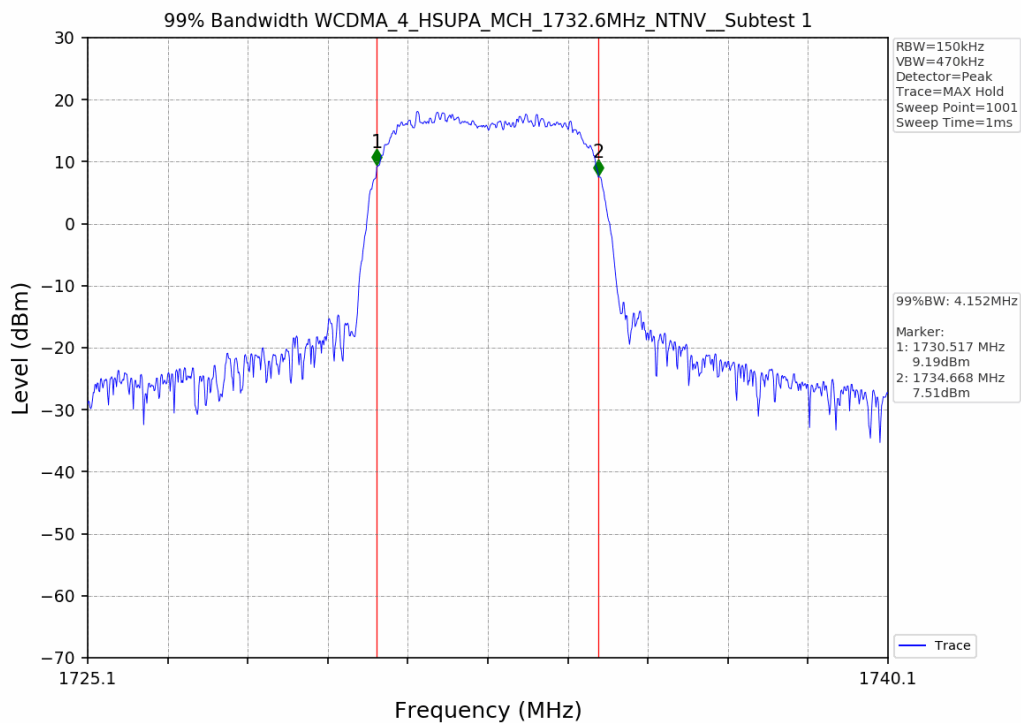
B3.2 Test Graph





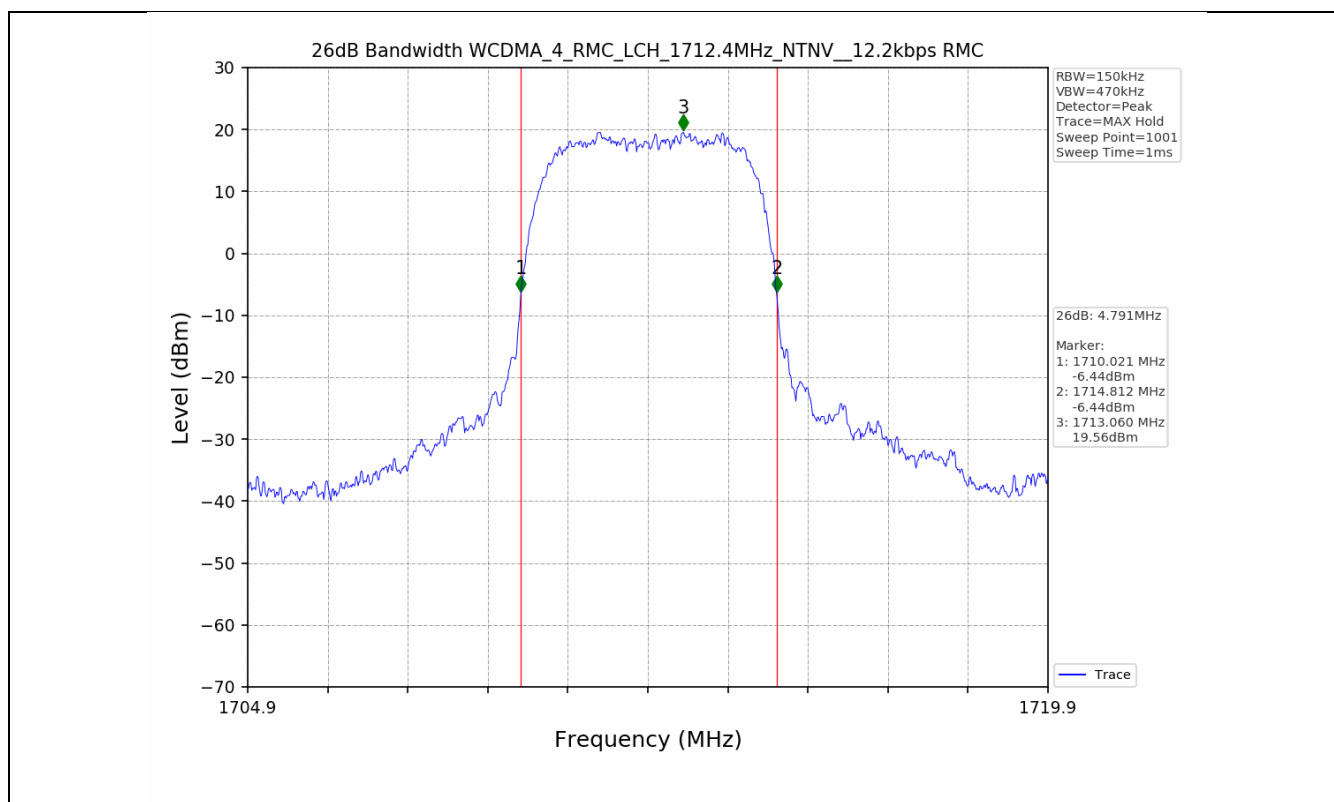


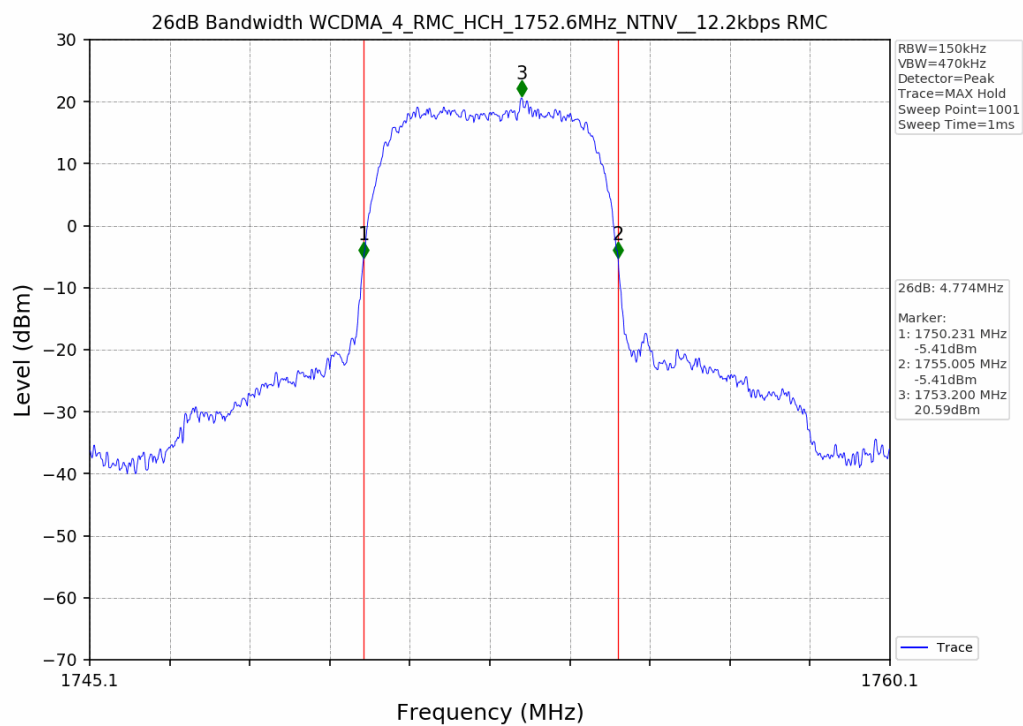
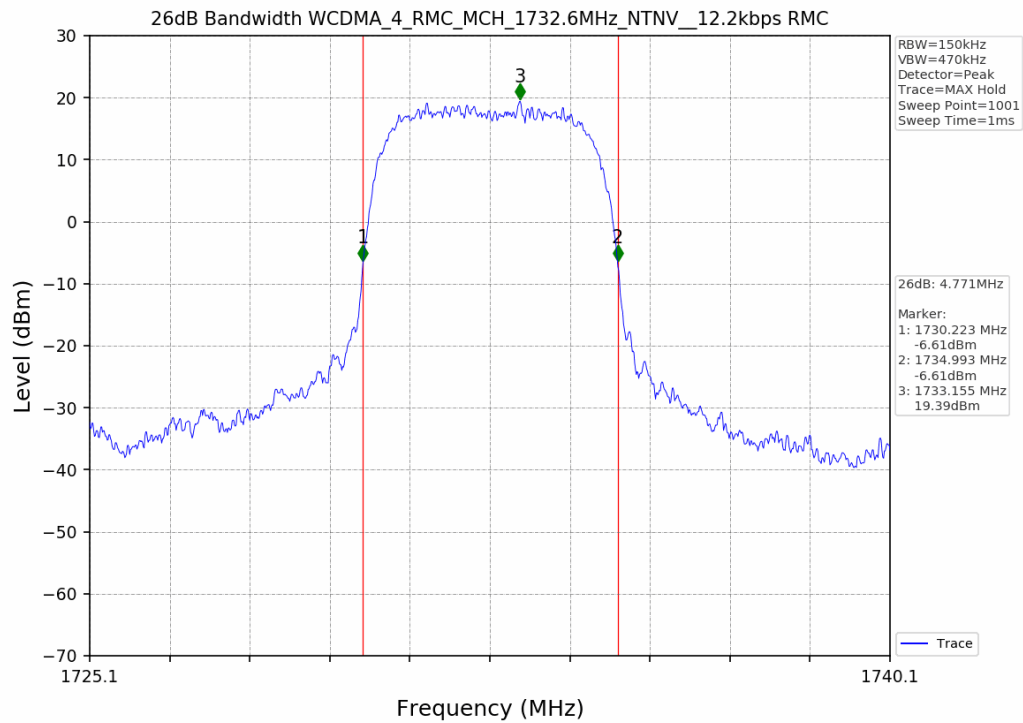


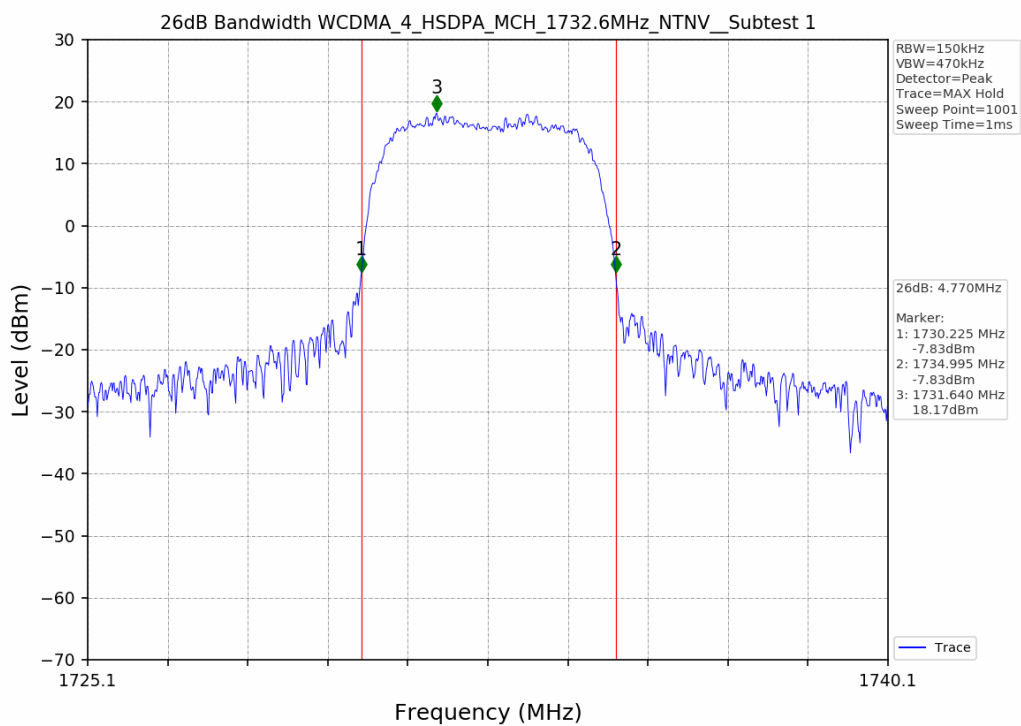
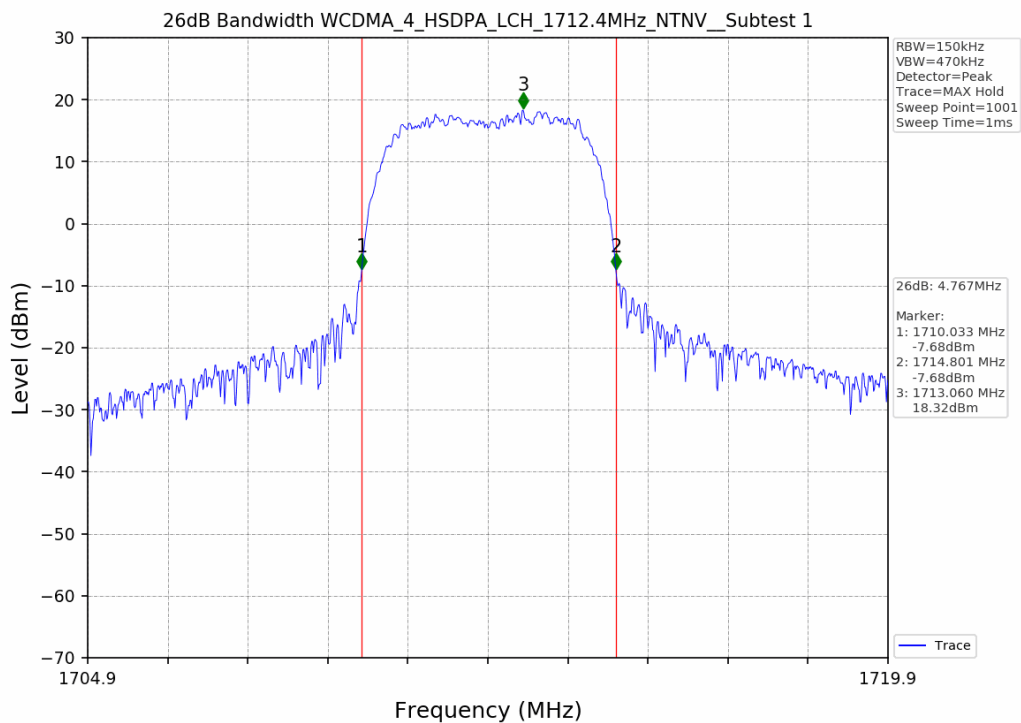


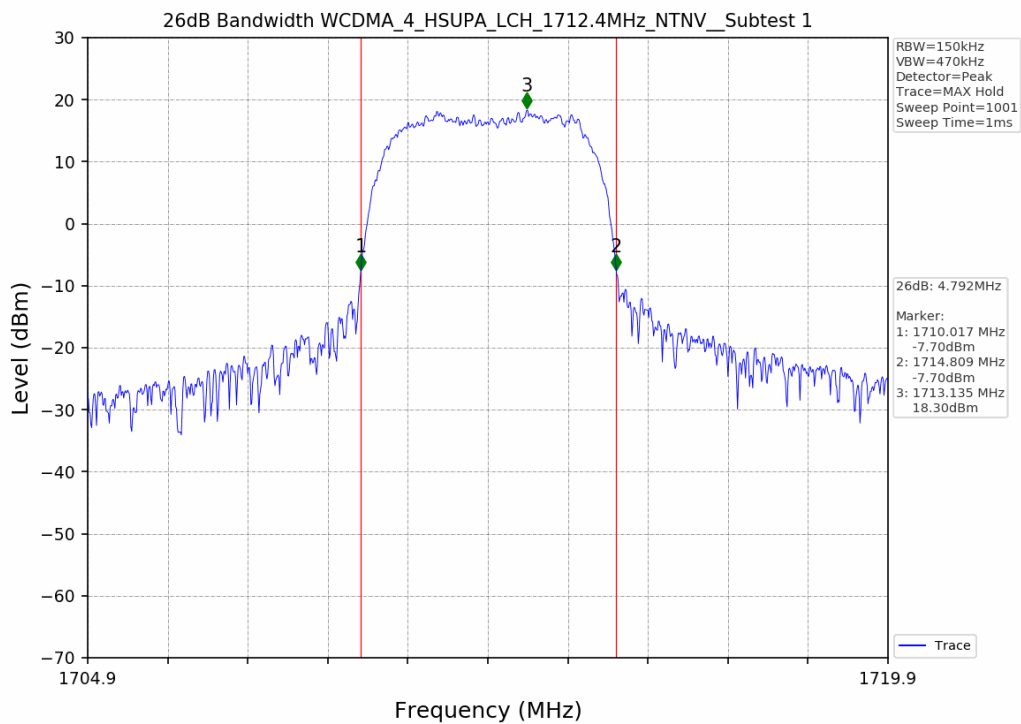
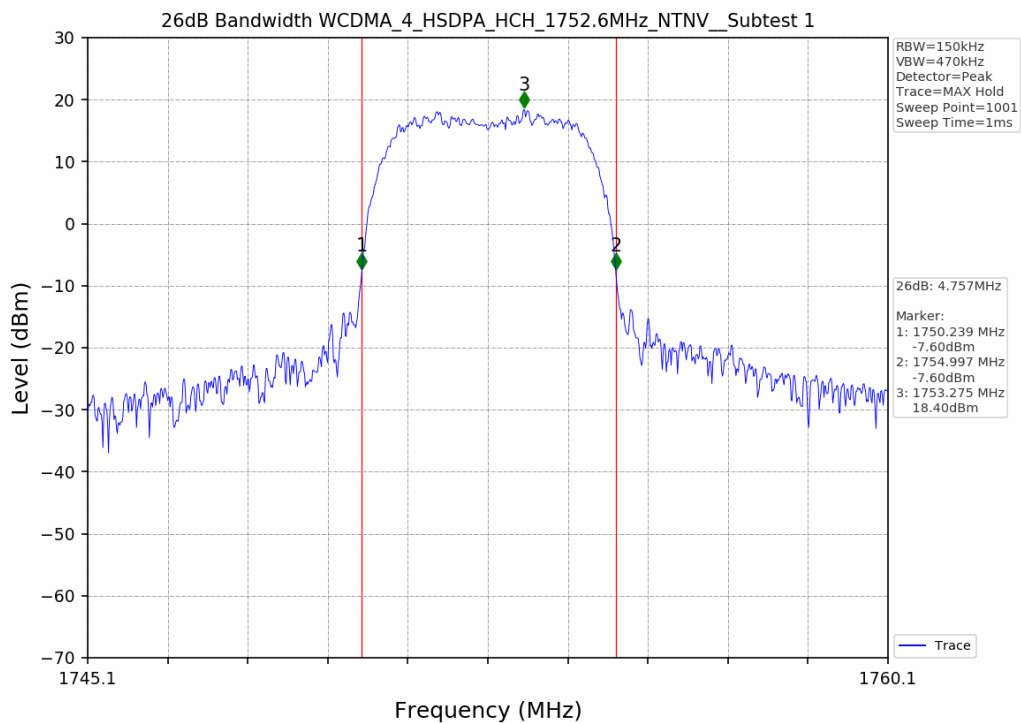
Test Band: 4					
Test Mode	26dB Bandwidth (MHz)			Limit	Verdict
	LCH	MCH	HCH		
HSUPA	4.792	4.788	4.779	N/A	PASS
HSDPA	4.767	4.770	4.757	N/A	PASS
RMC	4.791	4.771	4.774	N/A	PASS

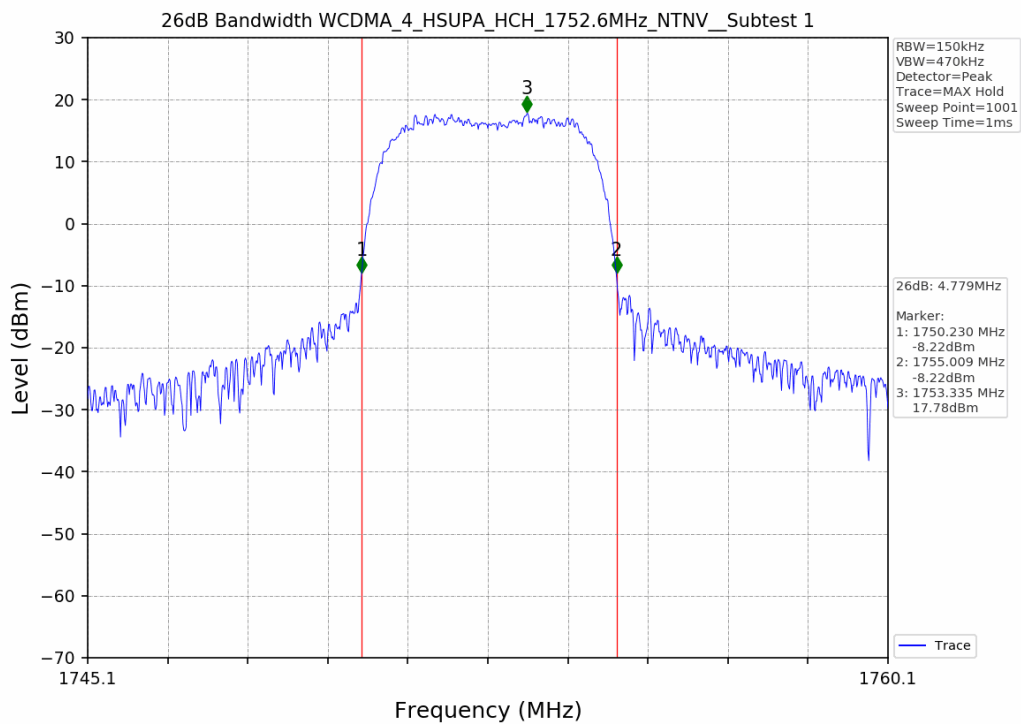
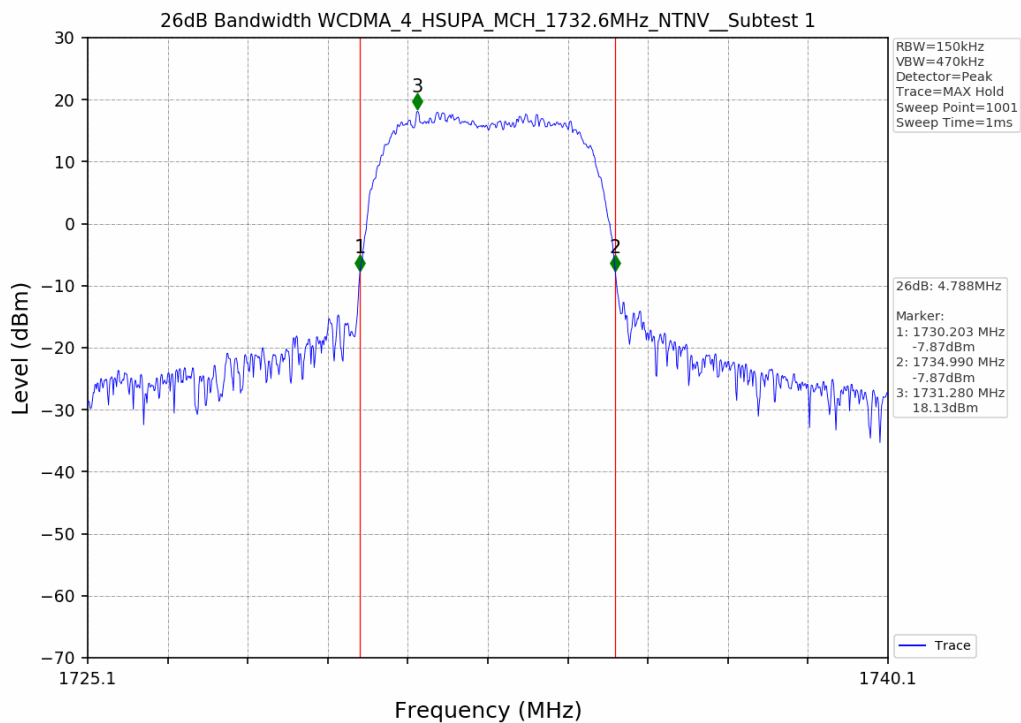
B3.2 Test Graph









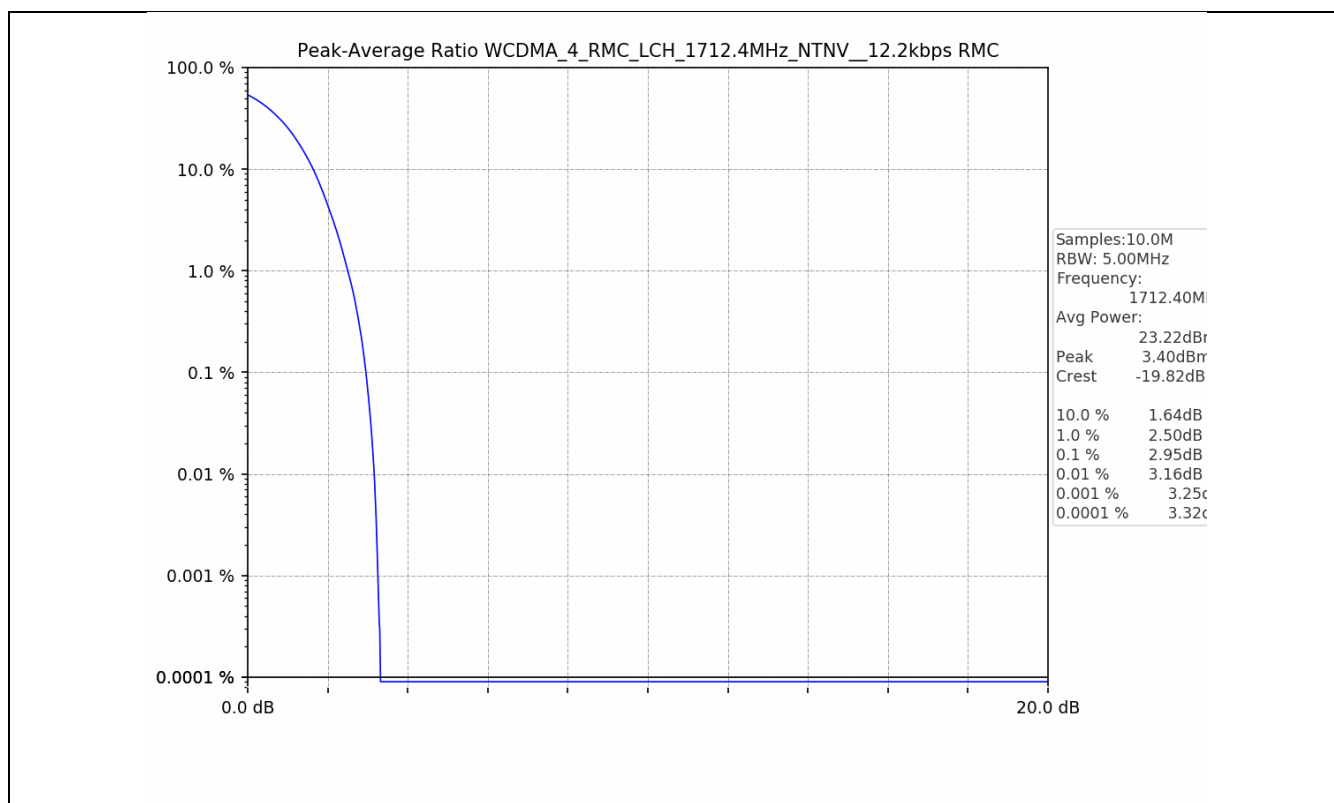


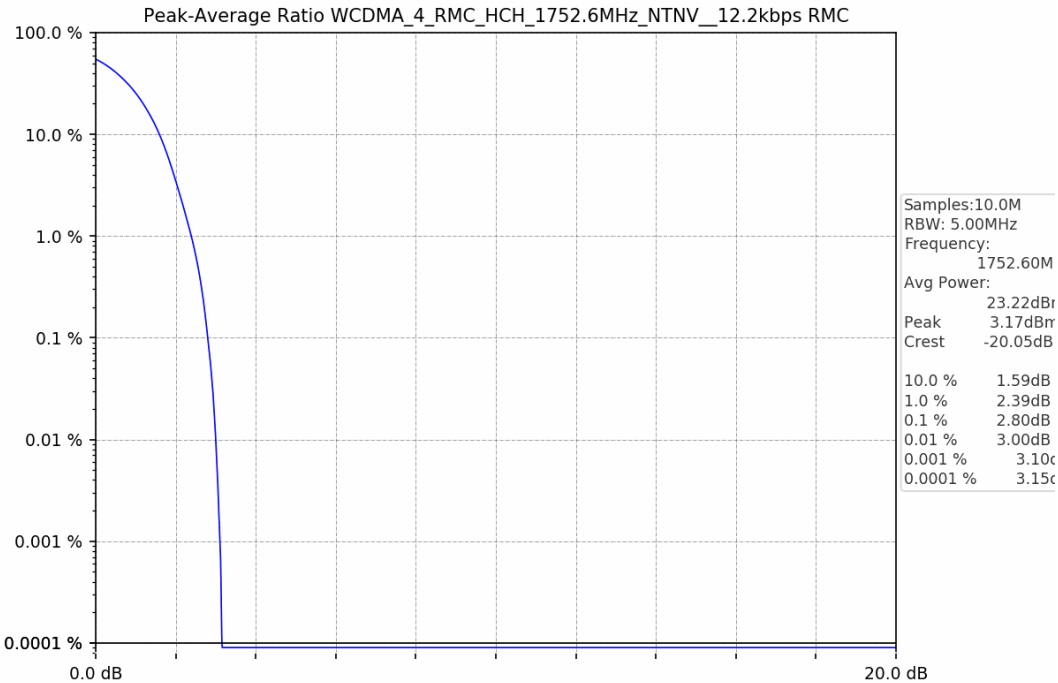
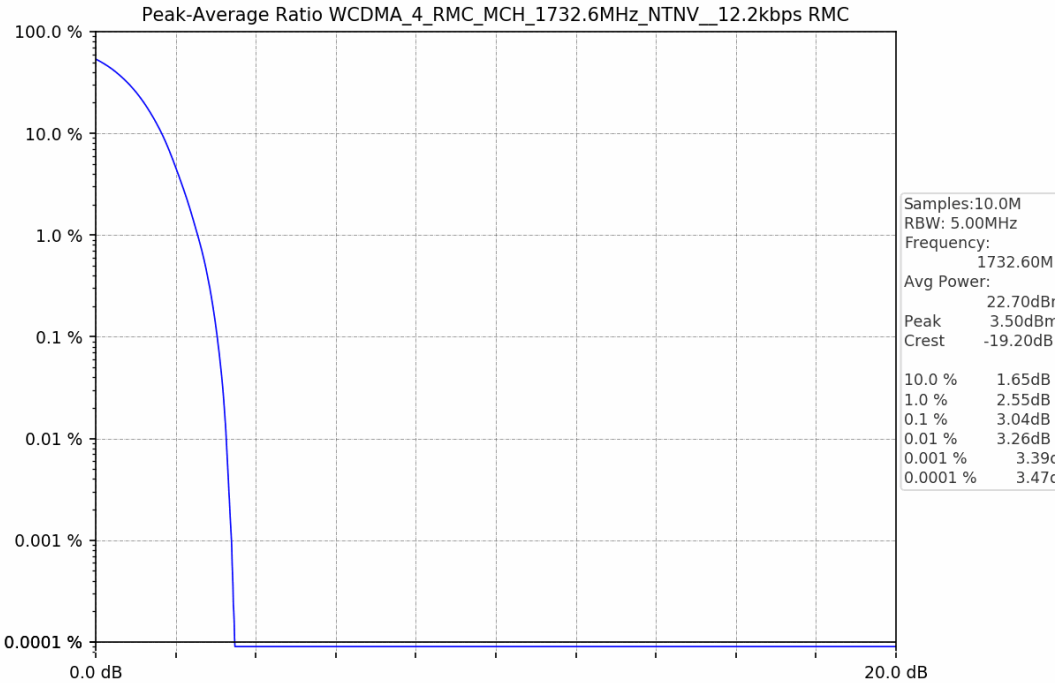
B4. Peak-Average Ratio

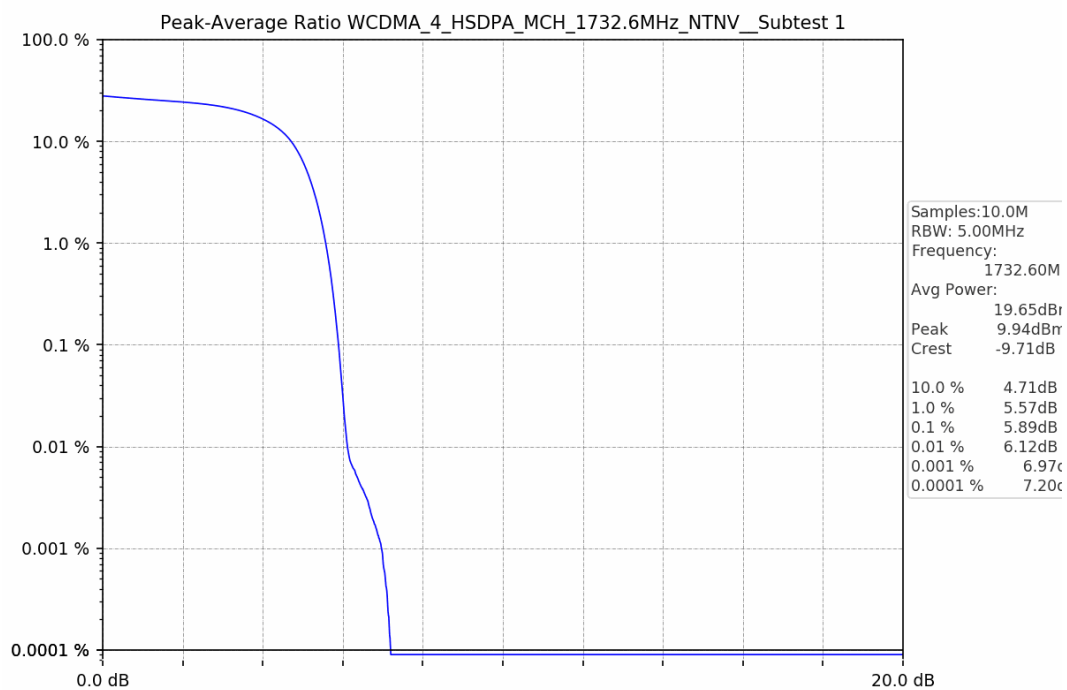
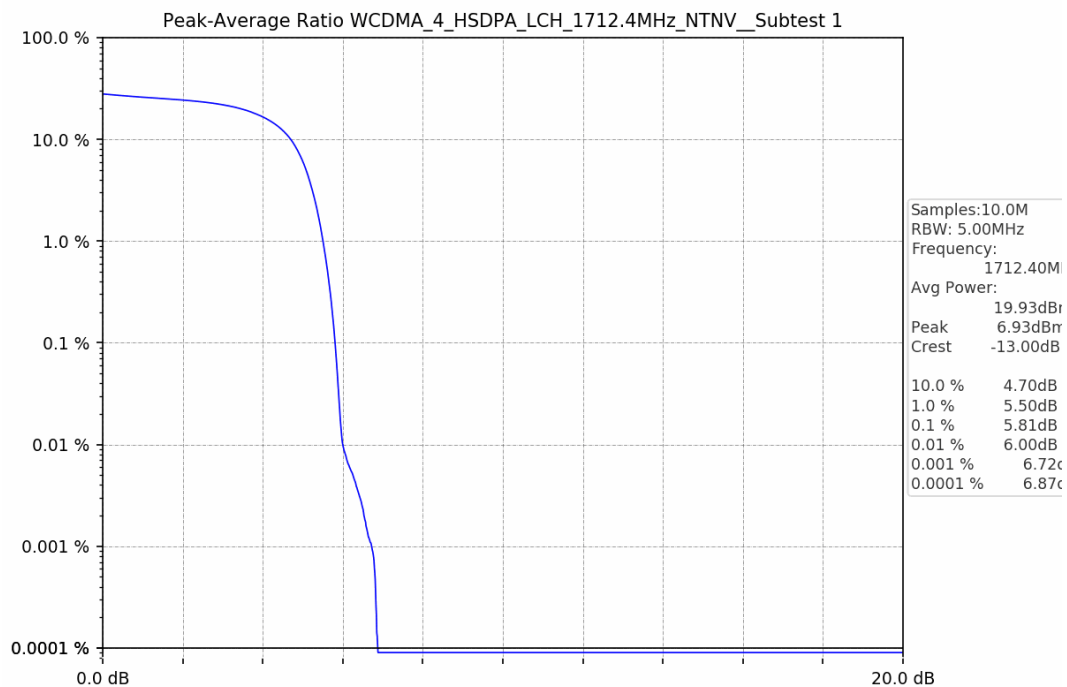
B4.1 Test Result

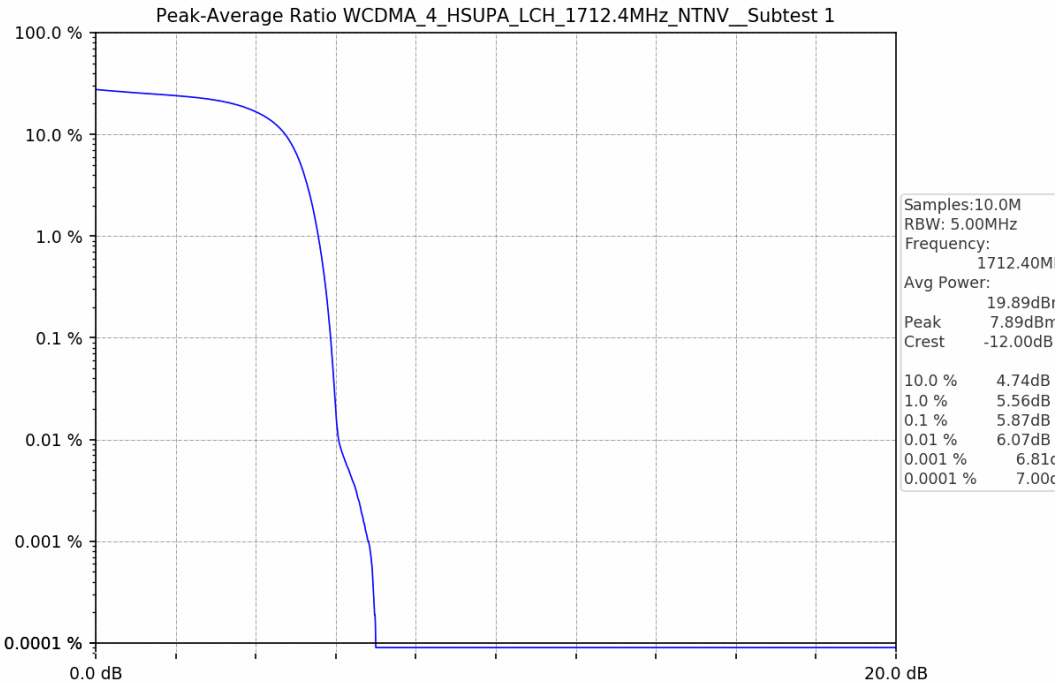
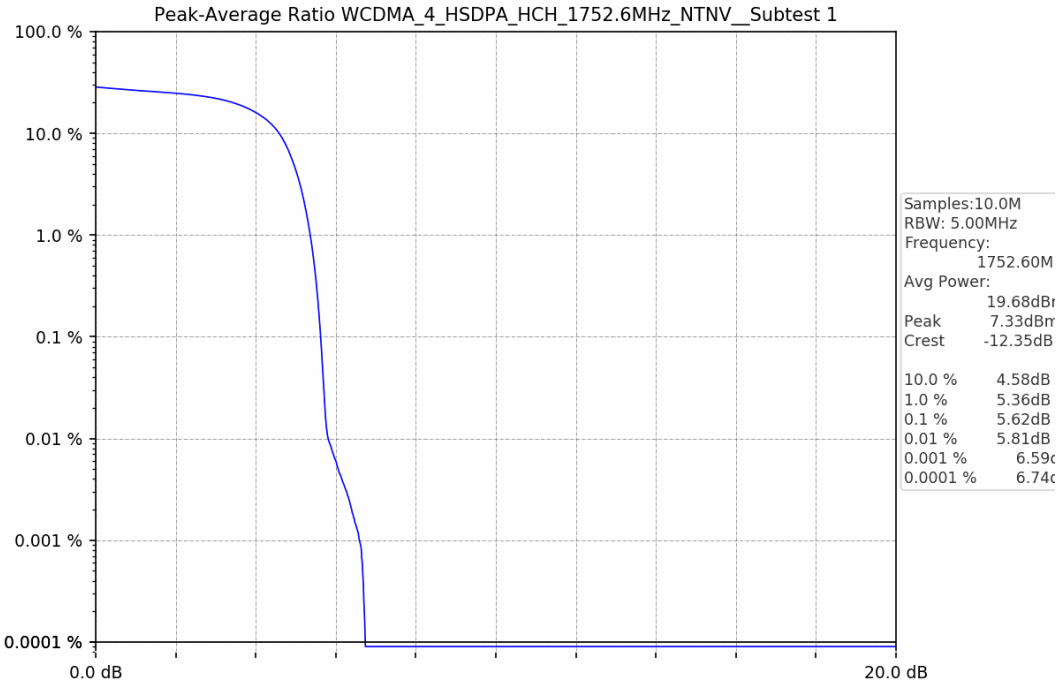
Test Band: 4					
Test Mode	Test result (dB)			Limit (dB)	Verdict
	LCH	MCH	HCH		
HSUPA	5.87	5.84	5.71	13	PASS
HSDPA	5.81	5.89	5.62	13	PASS
RMC	2.95	3.04	2.80	13	PASS

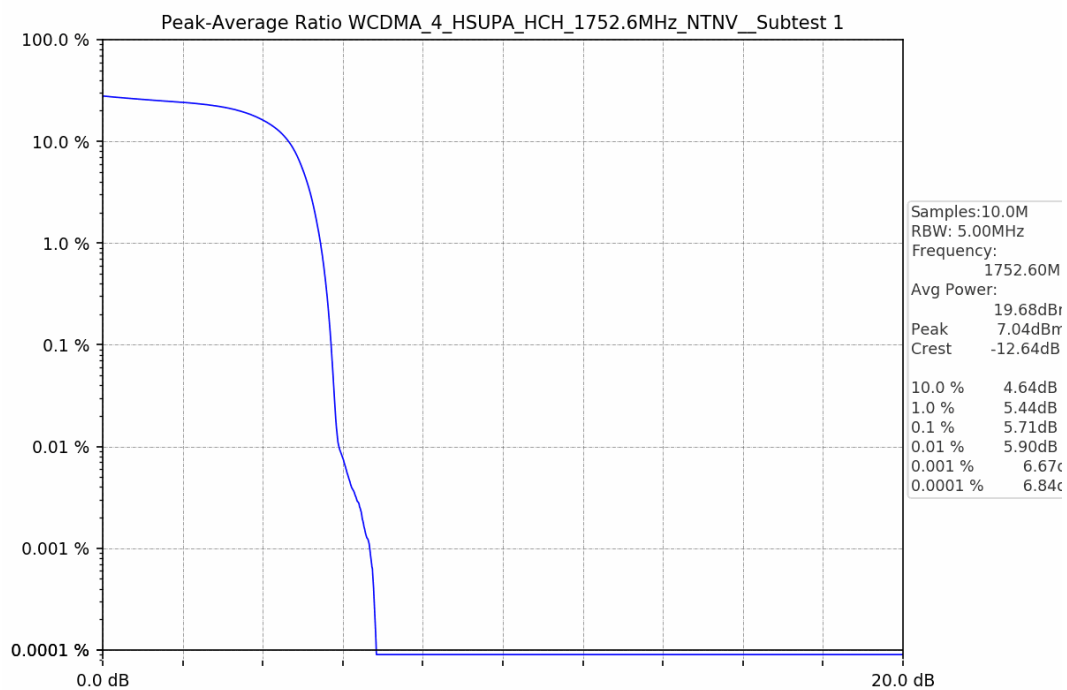
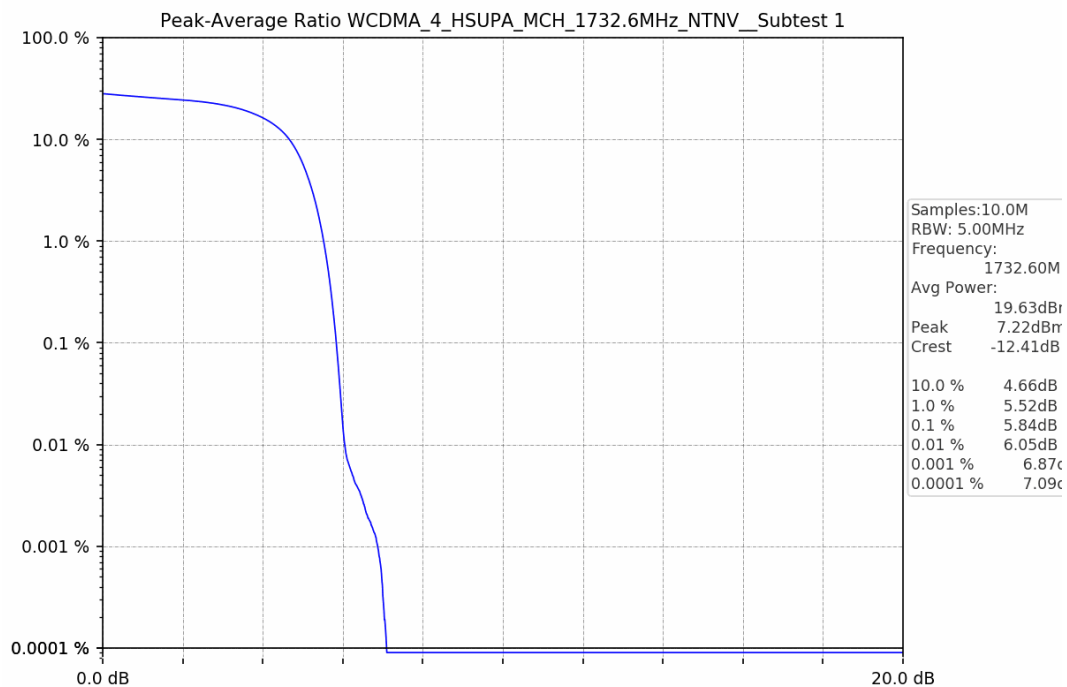
B4.2 Test Graph











B5. Spurious Emission

B5.1 Test Graph

