

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: 5 1.4MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.62	21.44	21.04	-0.15	2.00	21.47	21.29	20.89	38.45	PASS
		2	21.59	21.50	21.11	-0.15	2.00	21.44	21.35	20.96	38.45	PASS
		5	21.59	21.40	21.03	-0.15	2.00	21.44	21.25	20.88	38.45	PASS
	3	0	21.71	21.50	21.29	-0.15	2.00	21.56	21.35	21.14	38.45	PASS
		2	21.73	21.48	21.29	-0.15	2.00	21.58	21.33	21.14	38.45	PASS
		3	21.70	21.48	21.30	-0.15	2.00	21.55	21.33	21.15	38.45	PASS
16QAM	6	0	20.93	20.73	20.49	-0.15	2.00	20.78	20.58	20.34	38.45	PASS
		1	21.20	20.56	20.67	-0.15	2.00	21.05	20.41	20.52	38.45	PASS
		2	21.22	20.52	20.76	-0.15	2.00	21.07	20.37	20.61	38.45	PASS
	3	5	21.25	20.53	20.87	-0.15	2.00	21.10	20.38	20.72	38.45	PASS
		0	20.68	20.29	20.30	-0.15	2.00	20.53	20.14	20.15	38.45	PASS
		2	20.70	20.34	20.34	-0.15	2.00	20.55	20.19	20.19	38.45	PASS
64QAM	6	3	20.70	20.31	20.28	-0.15	2.00	20.55	20.16	20.13	38.45	PASS
		0	20.25	19.95	19.81	-0.15	2.00	20.10	19.80	19.66	38.45	PASS
		2	20.71	20.97	20.64	-0.15	2.00	20.56	20.82	20.49	38.45	PASS
	1	2	20.72	21.01	20.70	-0.15	2.00	20.57	20.86	20.55	38.45	PASS
		5	20.71	21.00	20.87	-0.15	2.00	20.56	20.85	20.72	38.45	PASS
		0	20.59	20.56	20.28	-0.15	2.00	20.44	20.41	20.13	38.45	PASS
64QAM	3	2	20.56	20.58	20.32	-0.15	2.00	20.41	20.43	20.17	38.45	PASS
		3	20.53	20.54	20.25	-0.15	2.00	20.38	20.39	20.10	38.45	PASS
		0	20.20	20.08	19.80	-0.15	2.00	20.05	19.93	19.65	38.45	PASS
	6	0	20.20	20.08	19.80	-0.15	2.00	20.05	19.93	19.65	38.45	PASS
		2	20.20	20.08	19.80	-0.15	2.00	20.05	19.93	19.65	38.45	PASS
		3	20.20	20.08	19.80	-0.15	2.00	20.05	19.93	19.65	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)

Test Band: 5 3MHz Bandwidth													
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict	
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH			
QPSK	1	0	21.41	21.29	21.12	-0.15	2.00	21.26	21.14	20.97	38.45	PASS	
		7	21.44	21.35	21.02	-0.15	2.00	21.29	21.20	20.87	38.45	PASS	
		14	21.44	21.20	21.08	-0.15	2.00	21.29	21.05	20.93	38.45	PASS	
	8	0	20.67	20.57	20.26	-0.15	2.00	20.52	20.42	20.11	38.45	PASS	
		4	20.69	20.50	20.24	-0.15	2.00	20.54	20.35	20.09	38.45	PASS	
		7	20.70	20.54	20.25	-0.15	2.00	20.55	20.39	20.10	38.45	PASS	
	15	0	20.58	20.42	20.20	-0.15	2.00	20.43	20.27	20.05	38.45	PASS	
	21.16		20.98	20.35	-0.15	2.00	21.01	20.83	20.20	38.45	PASS		
	7		21.21	21.03	20.44	-0.15	2.00	21.06	20.88	20.29	38.45	PASS	
16QAM	1	14	21.16	20.91	20.35	-0.15	2.00	21.01	20.76	20.20	38.45	PASS	
		8	0	19.99	20.12	19.94	-0.15	2.00	19.84	19.97	19.79	38.45	PASS
			4	20.13	20.03	19.86	-0.15	2.00	19.98	19.88	19.71	38.45	PASS
	7		20.06	20.07	19.84	-0.15	2.00	19.91	19.92	19.69	38.45	PASS	
		15	0	20.05	19.89	19.62	-0.15	2.00	19.90	19.74	19.47	38.45	PASS
				21.02	20.66	20.58	-0.15	2.00	20.87	20.51	20.43	38.45	PASS
64QAM	1			7	21.09	20.83	20.67	-0.15	2.00	20.94	20.68	20.52	38.45
		14	21.13	20.78	20.53	-0.15	2.00	20.98	20.63	20.38	38.45	PASS	
		8	0	20.14	19.93	19.74	-0.15	2.00	19.99	19.78	19.59	38.45	PASS
	4		20.13	19.92	19.73	-0.15	2.00	19.98	19.77	19.58	38.45	PASS	

		7	20.14	19.89	19.69	-0.15	2.00	19.99	19.74	19.54	38.45	PASS
	15	0	20.01	19.88	19.60	-0.15	2.00	19.86	19.73	19.45	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)

Test Band: 5 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.82	21.36	21.18	-0.15	2.00	21.67	21.21	21.03	38.45	PASS
		13	21.81	21.33	21.10	-0.15	2.00	21.66	21.18	20.95	38.45	PASS
		24	21.75	21.27	21.05	-0.15	2.00	21.60	21.12	20.90	38.45	PASS
	12	0	20.70	20.51	20.26	-0.15	2.00	20.55	20.36	20.11	38.45	PASS
		6	20.73	20.56	20.20	-0.15	2.00	20.58	20.41	20.05	38.45	PASS
		13	20.72	20.50	20.29	-0.15	2.00	20.57	20.35	20.14	38.45	PASS
16QAM	1	0	20.68	20.50	20.23	-0.15	2.00	20.53	20.35	20.08	38.45	PASS
		13	21.16	20.34	20.10	-0.15	2.00	21.01	20.19	19.95	38.45	PASS
		24	21.15	20.36	20.10	-0.15	2.00	21.00	20.21	19.95	38.45	PASS
	12	0	21.33	20.27	20.09	-0.15	2.00	21.18	20.12	19.94	38.45	PASS
		6	19.96	19.83	19.54	-0.15	2.00	19.81	19.68	19.39	38.45	PASS
		13	19.94	19.82	19.51	-0.15	2.00	19.79	19.67	19.36	38.45	PASS
64QAM	1	0	19.93	19.82	19.54	-0.15	2.00	19.78	19.67	19.39	38.45	PASS
		13	19.93	19.86	19.63	-0.15	2.00	19.78	19.71	19.48	38.45	PASS
		24	20.97	20.51	19.52	-0.15	2.00	20.82	20.36	19.37	38.45	PASS
	12	0	20.97	20.51	19.52	-0.15	2.00	20.82	20.36	19.37	38.45	PASS
		13	21.07	20.46	19.47	-0.15	2.00	20.92	20.31	19.32	38.45	PASS
		24	21.07	20.33	19.55	-0.15	2.00	20.92	20.18	19.40	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)

Test Band: 5 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.46	21.38	21.28	-0.15	2.00	21.31	21.23	21.13	38.45	PASS
		25	21.40	21.38	21.15	-0.15	2.00	21.25	21.23	21.00	38.45	PASS
		49	21.30	21.19	21.04	-0.15	2.00	21.15	21.04	20.89	38.45	PASS
	25	0	20.56	20.43	20.26	-0.15	2.00	20.41	20.28	20.11	38.45	PASS
		13	20.50	20.45	20.16	-0.15	2.00	20.35	20.30	20.01	38.45	PASS
		25	20.48	20.43	20.12	-0.15	2.00	20.33	20.28	19.97	38.45	PASS
16QAM	1	0	20.47	20.44	20.11	-0.15	2.00	20.32	20.29	19.96	38.45	PASS
		13	21.13	21.05	20.53	-0.15	2.00	20.98	20.90	20.38	38.45	PASS
		25	21.15	21.05	20.36	-0.15	2.00	21.00	20.90	20.21	38.45	PASS
	25	0	20.95	20.91	20.33	-0.15	2.00	20.80	20.76	20.18	38.45	PASS
		13	20.02	19.87	19.78	-0.15	2.00	19.87	19.72	19.63	38.45	PASS
		25	19.98	19.89	19.68	-0.15	2.00	19.83	19.74	19.53	38.45	PASS
64QAM	1	0	19.91	19.83	19.74	-0.15	2.00	19.76	19.68	19.59	38.45	PASS
		25	19.94	19.85	19.56	-0.15	2.00	19.79	19.70	19.41	38.45	PASS

	25	49	20.96	20.86	20.26	-0.15	2.00	20.81	20.71	20.11	38.45	PASS
		0	20.01	19.83	19.72	-0.15	2.00	19.86	19.68	19.57	38.45	PASS
		13	19.96	19.83	19.62	-0.15	2.00	19.81	19.68	19.47	38.45	PASS
		25	19.89	19.78	19.67	-0.15	2.00	19.74	19.63	19.52	38.45	PASS
		50	19.93	19.80	19.53	-0.15	2.00	19.78	19.65	19.38	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: 5 1.4MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	6	0	NT	LV	-39.2389	-26.7792	-10.1137	-0.0476	-0.0320	-0.0119	2.50	PASS
				NV	-38.9242	-26.3500	-13.0176	-0.0472	-0.0315	-0.0153	2.50	PASS
				HV	-61.0972	-33.7887	-9.5701	-0.0741	-0.0404	-0.0113	2.50	PASS
16QAM	6	0	NT	LV	-27.1225	-32.9447	-56.8056	-0.0329	-0.0394	-0.0670	2.50	PASS
				NV	-50.9691	-35.1191	-55.6040	-0.0618	-0.0420	-0.0655	2.50	PASS
				HV	-61.3976	-32.9876	-58.1217	-0.0744	-0.0394	-0.0685	2.50	PASS
64QAM	6	0	NT	LV	-34.7471	-33.5598	-15.6498	-0.0421	-0.0401	-0.0184	2.50	PASS
				NV	-30.4127	-34.4610	-20.3419	-0.0369	-0.0412	-0.0240	2.50	PASS
				HV	-30.3268	-32.7015	-16.4223	-0.0368	-0.0391	-0.0194	2.50	PASS

Test Band: 5 1.4MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	6	0	NV	-30.00	-63.1857	-30.0121	-10.1709	-0.0766	-0.0359	-0.0120	2.50	PASS
				-20.00	-32.5298	-29.6545	-4.9353	-0.0394	-0.0355	-0.0058	2.50	PASS
				-10.00	-31.9576	-29.3398	-8.7833	-0.0388	-0.0351	-0.0104	2.50	PASS
				0.00	-33.8316	-31.2424	-29.4113	-0.0410	-0.0373	-0.0347	2.50	PASS
				10.00	-27.8091	-31.4712	-31.4283	-0.0337	-0.0376	-0.0370	2.50	PASS
				20.00	-27.2798	-56.2620	-30.2267	-0.0331	-0.0673	-0.0356	2.50	PASS
				30.00	-27.0653	-56.7341	-32.7015	-0.0328	-0.0678	-0.0385	2.50	PASS
				40.00	-27.8807	-53.2722	-32.3868	-0.0338	-0.0637	-0.0382	2.50	PASS
16QAM	6	0	NV	50.00	-27.7805	-27.2798	-31.0707	-0.0337	-0.0326	-0.0366	2.50	PASS
16QAM	6	0	NV	-30.00	-62.8996	-33.0019	-32.5441	-0.0763	-0.0395	-0.0384	2.50	PASS
				-20.00	-37.8656	-38.5666	-34.5182	-0.0459	-0.0461	-0.0407	2.50	PASS
				-10.00	-37.5080	-36.7069	-35.5196	-0.0455	-0.0439	-0.0419	2.50	PASS
				0.00	-40.4549	-31.9433	-31.1279	-0.0491	-0.0382	-0.0367	2.50	PASS
				10.00	-40.8125	-40.4120	-26.5646	-0.0495	-0.0483	-0.0313	2.50	PASS
				20.00	-38.4235	-58.7511	-28.8534	-0.0466	-0.0702	-0.0340	2.50	PASS
				30.00	-38.6810	-37.6082	-30.2839	-0.0469	-0.0450	-0.0357	2.50	PASS
				40.00	-37.7798	-36.1061	-27.9951	-0.0458	-0.0432	-0.0330	2.50	PASS
64QAM	6	0	NV	50.00	-37.7941	-34.7614	-31.9004	-0.0458	-0.0416	-0.0376	2.50	PASS
64QAM	6	0	NV	-30.00	-31.7001	-30.7560	-18.6968	-0.0384	-0.0368	-0.0220	2.50	PASS
				-20.00	-31.5142	-28.7819	-16.4080	-0.0382	-0.0344	-0.0193	2.50	PASS
				-10.00	-55.1319	-22.6879	-38.1374	-0.0669	-0.0271	-0.0450	2.50	PASS
				0.00	-55.5182	-18.6539	-36.6783	-0.0673	-0.0223	-0.0432	2.50	PASS
				10.00	-30.6130	-12.5742	-35.2764	-0.0371	-0.0150	-0.0416	2.50	PASS
				20.00	-31.8718	-11.0149	-37.0216	-0.0386	-0.0132	-0.0436	2.50	PASS

				30.00	-29.9406	-8.9693	-35.3336	-0.0363	-0.0107	-0.0417	2.50	PASS
				40.00	-28.4243	-6.6662	-61.5120	-0.0345	-0.0080	-0.0725	2.50	PASS
				50.00	-30.7131	-26.9365	-61.3546	-0.0372	-0.0322	-0.0723	2.50	PASS

Test Band: 5 3MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	15	0	NT	LV	-16.4938	-13.7615	-22.0442	-0.0200	-0.0165	-0.0260	2.50	PASS
				NV	-15.9502	-15.8644	-19.8269	-0.0193	-0.0190	-0.0234	2.50	PASS
				HV	-13.0176	-19.0973	-18.3678	-0.0158	-0.0228	-0.0217	2.50	PASS
16QAM	15	0	NT	LV	-29.5830	-31.0135	-29.3112	-0.0358	-0.0371	-0.0346	2.50	PASS
				NV	-30.5128	-30.5414	-31.1995	-0.0370	-0.0365	-0.0368	2.50	PASS
				HV	-28.2097	-30.0407	-34.5182	-0.0342	-0.0359	-0.0407	2.50	PASS
64QAM	15	0	NT	LV	-34.1749	-34.2464	-15.8501	-0.0414	-0.0409	-0.0187	2.50	PASS
				NV	-31.7430	-34.9903	-17.1518	-0.0385	-0.0418	-0.0202	2.50	PASS
				HV	-31.6572	-34.0748	-12.7745	-0.0383	-0.0407	-0.0151	2.50	PASS

Test Band: 5 3MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	15	0	NV	-30.00	-12.7602	-18.1961	-15.9216	-0.0155	-0.0218	-0.0188	2.50	PASS
				-20.00	-13.8330	-19.5265	-17.5381	-0.0168	-0.0233	-0.0207	2.50	PASS
				-10.00	-14.7772	-19.1402	-16.8943	-0.0179	-0.0229	-0.0199	2.50	PASS
				0.00	-16.4938	-18.7826	-18.5680	-0.0200	-0.0225	-0.0219	2.50	PASS
				10.00	-14.7486	-14.6484	-19.6838	-0.0179	-0.0175	-0.0232	2.50	PASS
				20.00	-16.2077	-17.7670	-16.1648	-0.0196	-0.0212	-0.0191	2.50	PASS
				30.00	-11.8732	-15.7499	-17.0517	-0.0144	-0.0188	-0.0201	2.50	PASS
				40.00	-12.3596	-16.5510	-17.9386	-0.0150	-0.0198	-0.0212	2.50	PASS
				50.00	-13.1607	-14.9632	-14.5340	-0.0159	-0.0179	-0.0171	2.50	PASS
16QAM	15	0	NV	-30.00	-30.7274	-28.4243	-35.1906	-0.0372	-0.0340	-0.0415	2.50	PASS
				-20.00	-25.0912	-30.6845	-35.1477	-0.0304	-0.0367	-0.0415	2.50	PASS
				-10.00	-28.3814	-30.0694	-34.8473	-0.0344	-0.0359	-0.0411	2.50	PASS
				0.00	-27.1082	-31.3997	-33.7458	-0.0328	-0.0375	-0.0398	2.50	PASS
				10.00	-29.2396	-32.4011	-31.4999	-0.0354	-0.0387	-0.0372	2.50	PASS
				20.00	-28.7962	-33.5169	-32.2580	-0.0349	-0.0401	-0.0381	2.50	PASS
				30.00	-28.7104	-31.3711	-30.7560	-0.0348	-0.0375	-0.0363	2.50	PASS
				40.00	-28.2955	-31.0421	-33.0591	-0.0343	-0.0371	-0.0390	2.50	PASS
				50.00	-31.1852	-30.8561	-36.9930	-0.0378	-0.0369	-0.0436	2.50	PASS
64QAM	15	0	NV	-30.00	-31.8146	-36.4351	-16.5653	-0.0385	-0.0436	-0.0195	2.50	PASS
				-20.00	-32.9876	-38.2519	-15.7928	-0.0400	-0.0457	-0.0186	2.50	PASS
				-10.00	-31.2567	-40.1688	-14.4911	-0.0379	-0.0480	-0.0171	2.50	PASS
				0.00	-32.7158	-36.3779	-11.7159	-0.0396	-0.0435	-0.0138	2.50	PASS
				10.00	-32.7873	-17.0946	-15.2206	-0.0397	-0.0204	-0.0180	2.50	PASS
				20.00	-32.6300	-15.9359	-12.9747	-0.0395	-0.0191	-0.0153	2.50	PASS
				30.00	-34.5039	-17.0517	-12.3596	-0.0418	-0.0204	-0.0146	2.50	PASS
				40.00	-35.5625	-13.6900	-15.7642	-0.0431	-0.0164	-0.0186	2.50	PASS
				50.00	-29.5830	-15.1205	-15.3923	-0.0358	-0.0181	-0.0182	2.50	PASS

Test Band: 5 5MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NT	LV	-30.9277	-30.5700	-32.5870	-0.0374	-0.0365	-0.0385	2.50	PASS
				NV	-28.3241	-33.3738	-33.4740	-0.0343	-0.0399	-0.0395	2.50	PASS

				HV	-30.7846	-32.3868	-34.0891	-0.0372	-0.0387	-0.0403	2.50	PASS
				LV	-21.2860	-26.0639	-30.0121	-0.0258	-0.0312	-0.0355	2.50	PASS
16QAM	25	0	NT	NV	-23.5462	-26.2070	-28.2812	-0.0285	-0.0313	-0.0334	2.50	PASS
				HV	-22.9025	-30.0550	-26.5932	-0.0277	-0.0359	-0.0314	2.50	PASS
64QAM	25	0	NT	LV	-30.9277	-30.0694	-23.6893	-0.0374	-0.0359	-0.0280	2.50	PASS
				NV	-28.5530	-30.5557	-25.4345	-0.0345	-0.0365	-0.0300	2.50	PASS
				HV	-30.2696	-30.4270	-21.3575	-0.0366	-0.0364	-0.0252	2.50	PASS

Test Band: 5_ 5MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NV	-30.00	-32.4726	-33.9031	-32.1865	-0.0393	-0.0405	-0.0380	2.50	PASS
				-20.00	-29.7117	-33.8173	-34.3609	-0.0359	-0.0404	-0.0406	2.50	PASS
				-10.00	-31.2424	-34.6470	-34.5326	-0.0378	-0.0414	-0.0408	2.50	PASS
				0.00	-31.3997	-33.6886	-33.2451	-0.0380	-0.0403	-0.0393	2.50	PASS
				10.00	-31.1995	-34.6899	-33.3738	-0.0377	-0.0415	-0.0394	2.50	PASS
				20.00	-30.8275	-34.7328	-35.6197	-0.0373	-0.0415	-0.0421	2.50	PASS
				30.00	-28.8677	-31.8718	-37.5795	-0.0349	-0.0381	-0.0444	2.50	PASS
				40.00	-34.7042	-32.2580	-35.9058	-0.0420	-0.0386	-0.0424	2.50	PASS
				50.00	-29.7976	-35.9631	-37.5509	-0.0361	-0.0430	-0.0444	2.50	PASS
16QAM	25	0	NV	-30.00	-25.3773	-30.9992	-29.5687	-0.0307	-0.0371	-0.0349	2.50	PASS
				-20.00	-23.6034	-30.3554	-27.6518	-0.0286	-0.0363	-0.0327	2.50	PASS
				-10.00	-23.9038	-28.8248	-26.6790	-0.0289	-0.0345	-0.0315	2.50	PASS
				0.00	-25.5346	-27.6089	-26.3643	-0.0309	-0.0330	-0.0311	2.50	PASS
				10.00	-26.4072	-27.2226	-27.8378	-0.0320	-0.0325	-0.0329	2.50	PASS
				20.00	-26.1211	-27.2942	-30.2267	-0.0316	-0.0326	-0.0357	2.50	PASS
				30.00	-29.4828	-28.2240	-26.3500	-0.0357	-0.0337	-0.0311	2.50	PASS
				40.00	-28.2526	-29.4542	-26.1211	-0.0342	-0.0352	-0.0309	2.50	PASS
				50.00	-27.0653	-26.9651	-26.6790	-0.0327	-0.0322	-0.0315	2.50	PASS
64QAM	25	0	NV	-30.00	-28.3956	-29.8834	-25.0196	-0.0344	-0.0357	-0.0296	2.50	PASS
				-20.00	-27.3228	-29.0394	-27.7376	-0.0331	-0.0347	-0.0328	2.50	PASS
				-10.00	-29.7832	-29.4256	-27.4658	-0.0360	-0.0352	-0.0324	2.50	PASS
				0.00	-26.8221	-28.6102	-29.5687	-0.0325	-0.0342	-0.0349	2.50	PASS
				10.00	-28.8963	-26.1211	-32.6014	-0.0350	-0.0312	-0.0385	2.50	PASS
				20.00	-29.9692	-26.5074	-28.3814	-0.0363	-0.0317	-0.0335	2.50	PASS
				30.00	-29.0680	-24.3473	-30.5128	-0.0352	-0.0291	-0.0360	2.50	PASS
				40.00	-24.4045	-27.9665	-32.1722	-0.0295	-0.0334	-0.0380	2.50	PASS
				50.00	-22.7737	-29.1538	-32.1865	-0.0276	-0.0349	-0.0380	2.50	PASS

Test Band: 5_ 10MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NT	LV	-12.5313	-16.4223	-16.5081	-0.0151	-0.0196	-0.0196	2.50	PASS
				NV	-14.3766	-16.6512	-14.1764	-0.0173	-0.0199	-0.0168	2.50	PASS
				HV	-13.4468	-15.4638	-14.0190	-0.0162	-0.0185	-0.0166	2.50	PASS
16QAM	50	0	NT	LV	-14.6055	-13.6185	-15.8787	-0.0176	-0.0163	-0.0188	2.50	PASS
				NV	-13.5756	-12.4311	-12.2738	-0.0164	-0.0149	-0.0145	2.50	PASS
				HV	-15.0490	-12.7316	-12.1736	-0.0182	-0.0152	-0.0144	2.50	PASS
64QAM	50	0	NT	LV	-15.9931	-12.9318	-13.2179	-0.0193	-0.0155	-0.0157	2.50	PASS
				NV	-14.9488	-14.4768	-13.9189	-0.0180	-0.0173	-0.0165	2.50	PASS
				HV	-14.9632	-13.1893	-15.3208	-0.0180	-0.0158	-0.0182	2.50	PASS

Test Band: 5_ 10MHz Bandwidth (Frequency Error VS. Temperature)

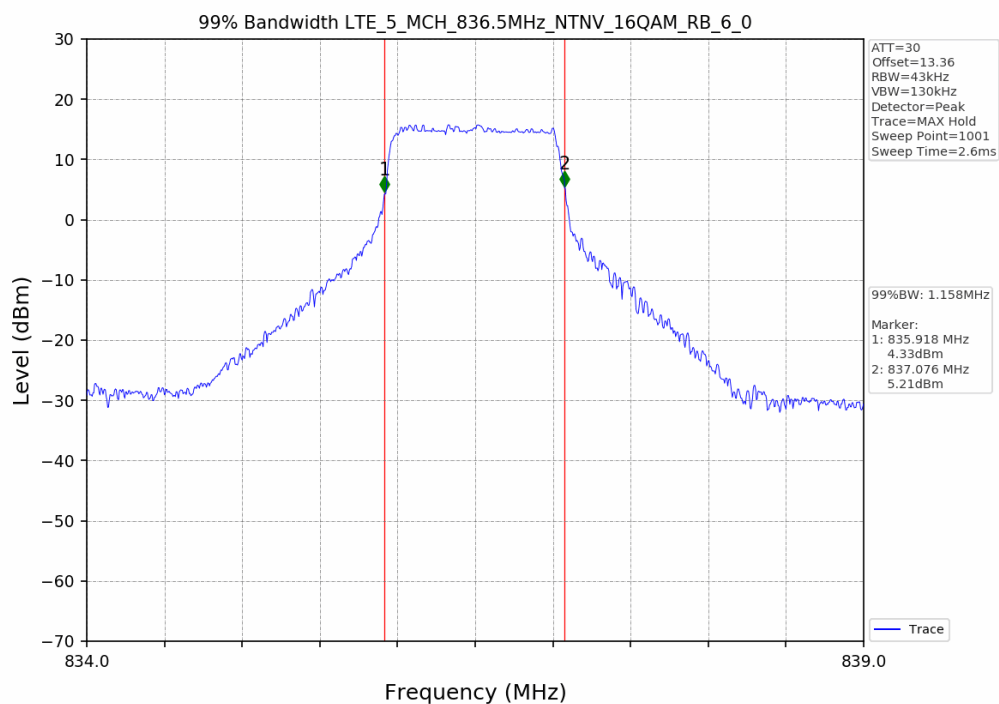
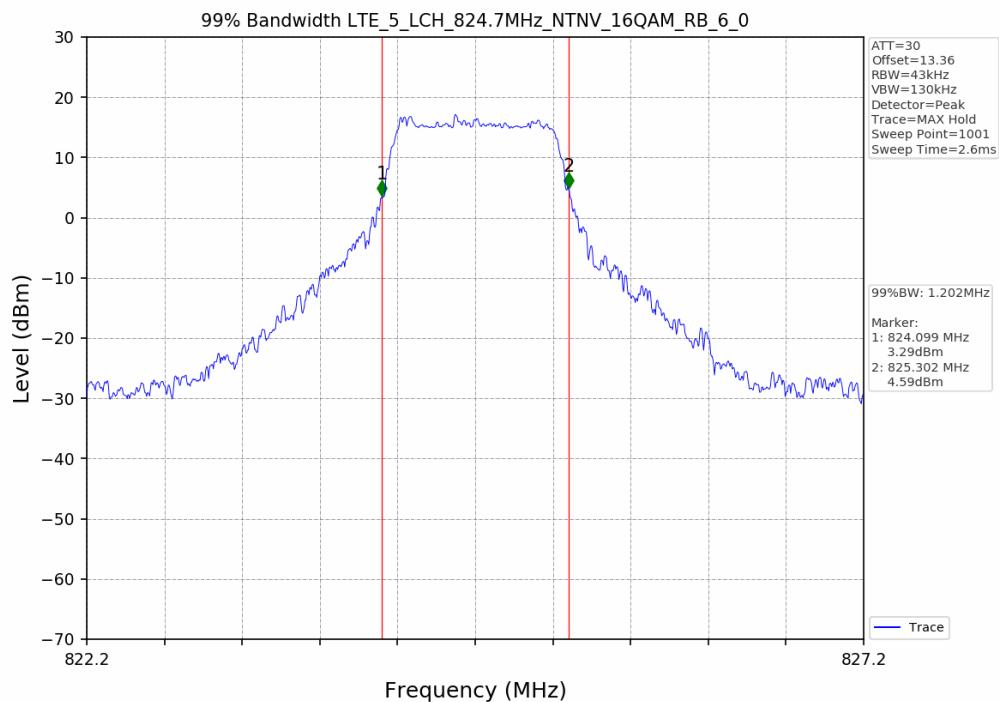
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NV	-30.00	-14.8487	-17.4808	-13.4182	-0.0179	-0.0209	-0.0159	2.50	PASS
				-20.00	-15.8787	-15.8358	-13.8474	-0.0192	-0.0189	-0.0164	2.50	PASS
				-10.00	-17.9958	-12.5885	-15.4209	-0.0217	-0.0150	-0.0183	2.50	PASS
				0.00	-14.6770	-15.6498	-10.1423	-0.0177	-0.0187	-0.0120	2.50	PASS
				10.00	-13.5326	-15.6212	-13.2465	-0.0163	-0.0187	-0.0157	2.50	PASS
				20.00	-12.4311	-15.4924	-11.6730	-0.0150	-0.0185	-0.0138	2.50	PASS
				30.00	-14.1334	-13.4039	-10.4856	-0.0170	-0.0160	-0.0124	2.50	PASS
				40.00	-16.4509	-13.4611	-15.1777	-0.0198	-0.0161	-0.0180	2.50	PASS
				50.00	-14.4052	-14.4482	-12.5313	-0.0174	-0.0173	-0.0148	2.50	PASS
16QAM	50	0	NV	-30.00	-12.6028	-12.7459	-11.8446	-0.0152	-0.0152	-0.0140	2.50	PASS
				-20.00	-11.5728	-12.2023	-15.6784	-0.0140	-0.0146	-0.0186	2.50	PASS
				-10.00	-10.7288	-12.6886	-13.4897	-0.0129	-0.0152	-0.0160	2.50	PASS
				0.00	-10.7718	-9.2840	-16.0790	-0.0130	-0.0111	-0.0191	2.50	PASS
				10.00	-12.3596	-11.8303	-15.1634	-0.0149	-0.0141	-0.0180	2.50	PASS
				20.00	-12.3310	-11.5585	-16.6941	-0.0149	-0.0138	-0.0198	2.50	PASS
				30.00	-10.8147	-9.4700	-15.0776	-0.0130	-0.0113	-0.0179	2.50	PASS
				40.00	-9.9707	-12.7459	-15.5640	-0.0120	-0.0152	-0.0184	2.50	PASS
				50.00	-13.9332	-11.9162	-16.6655	-0.0168	-0.0142	-0.0197	2.50	PASS
64QAM	50	0	NV	-30.00	-16.9659	-14.8344	-14.9345	-0.0205	-0.0177	-0.0177	2.50	PASS
				-20.00	-18.9114	-14.8058	-11.1294	-0.0228	-0.0177	-0.0132	2.50	PASS
				-10.00	-13.3896	-14.1048	-11.3010	-0.0162	-0.0169	-0.0134	2.50	PASS
				0.00	-13.8617	-16.3937	-12.4741	-0.0167	-0.0196	-0.0148	2.50	PASS
				10.00	-14.1764	-15.0919	-12.1880	-0.0171	-0.0180	-0.0144	2.50	PASS
				20.00	-17.8242	-13.6614	-12.6743	-0.0215	-0.0163	-0.0150	2.50	PASS
				30.00	-18.3106	-13.9046	-12.7459	-0.0221	-0.0166	-0.0151	2.50	PASS
				40.00	-18.2819	-16.5224	-17.1518	-0.0221	-0.0198	-0.0203	2.50	PASS
				50.00	-18.1389	-12.5027	-9.4414	-0.0219	-0.0149	-0.0112	2.50	PASS

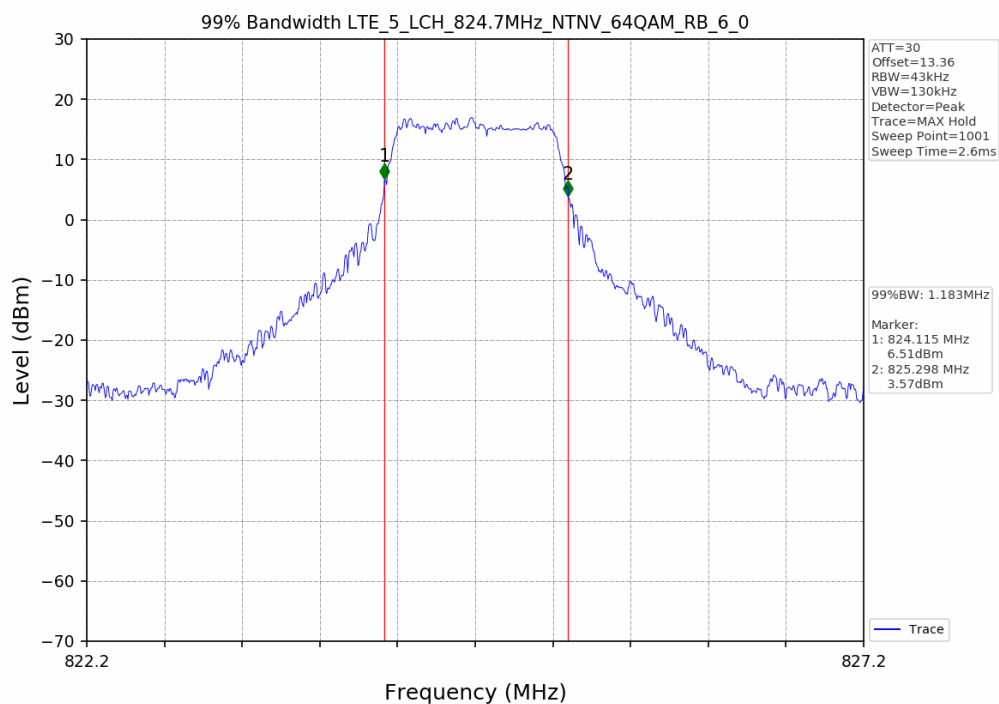
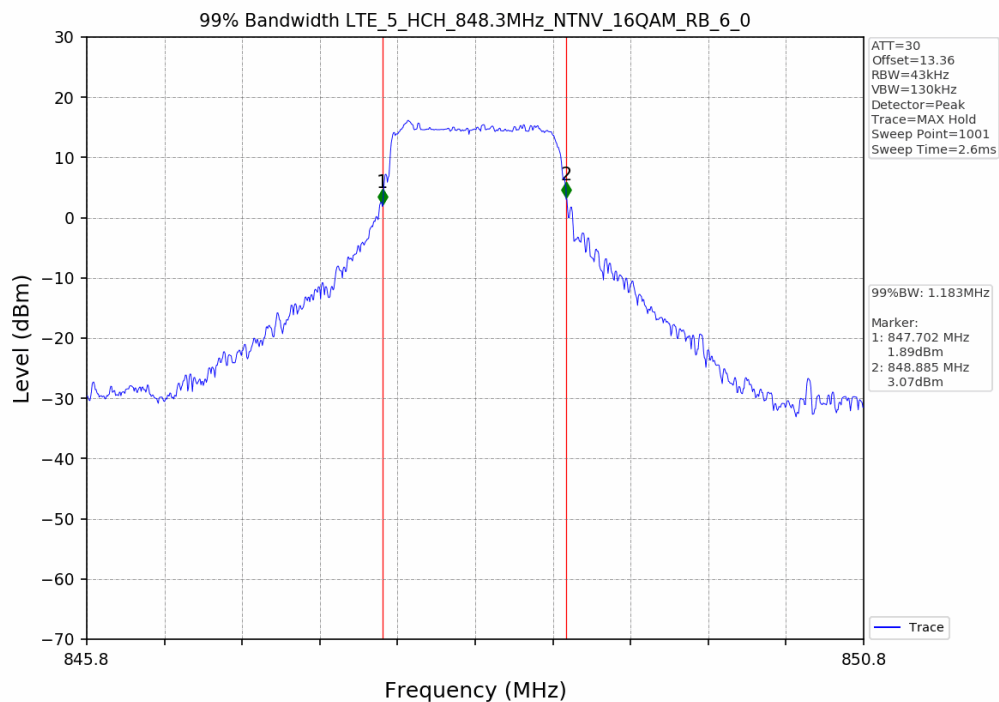
3. 99% & 26dB Bandwidth

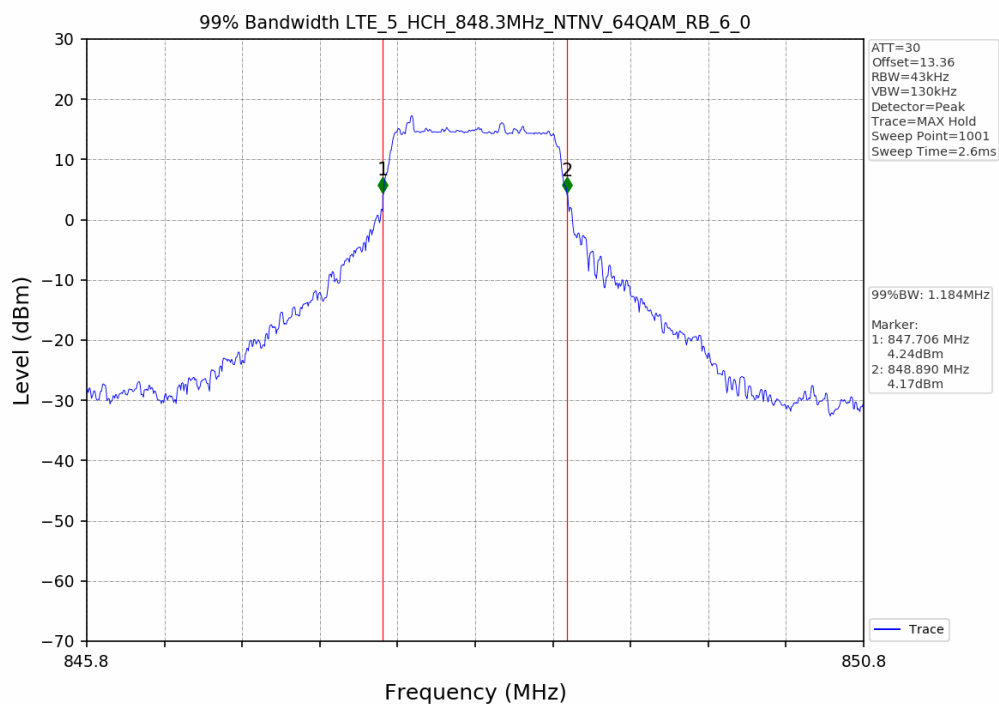
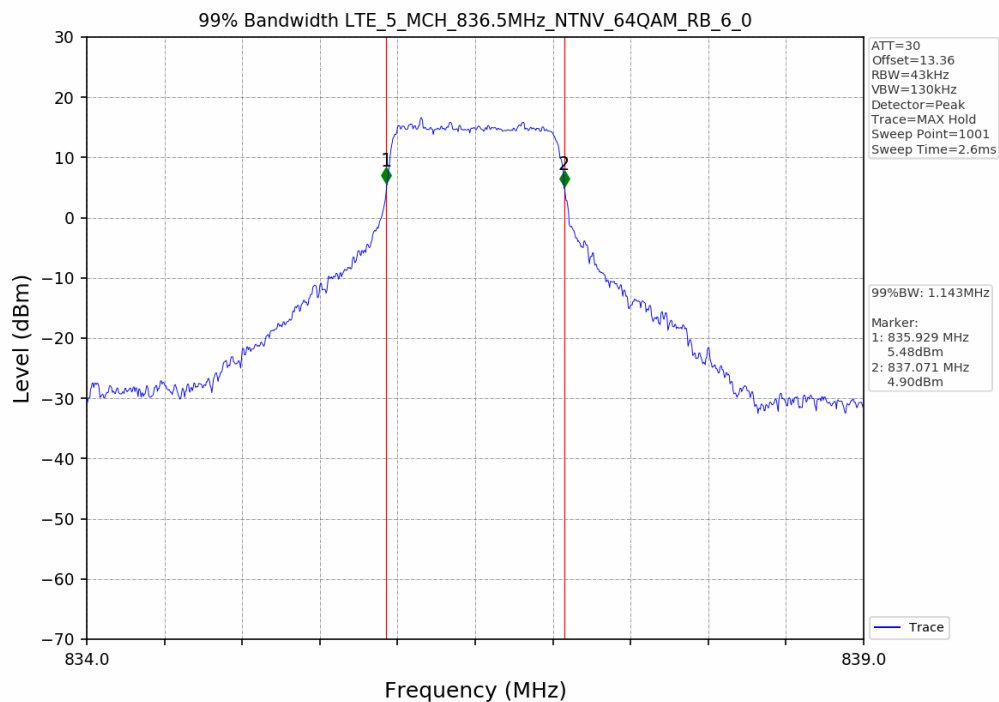
3.1 Test Result

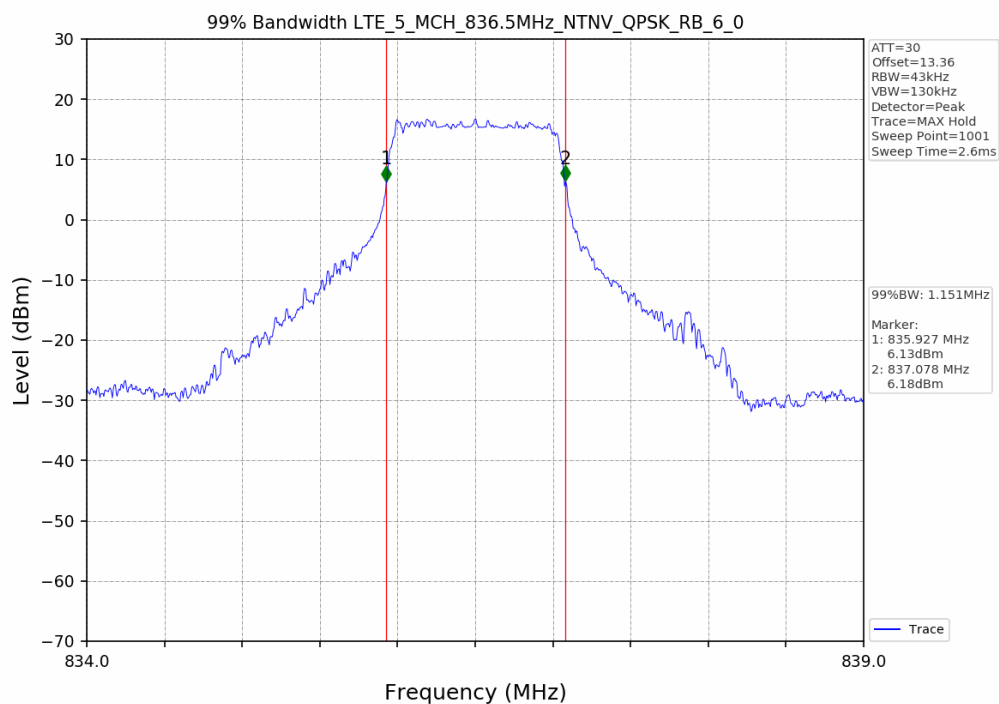
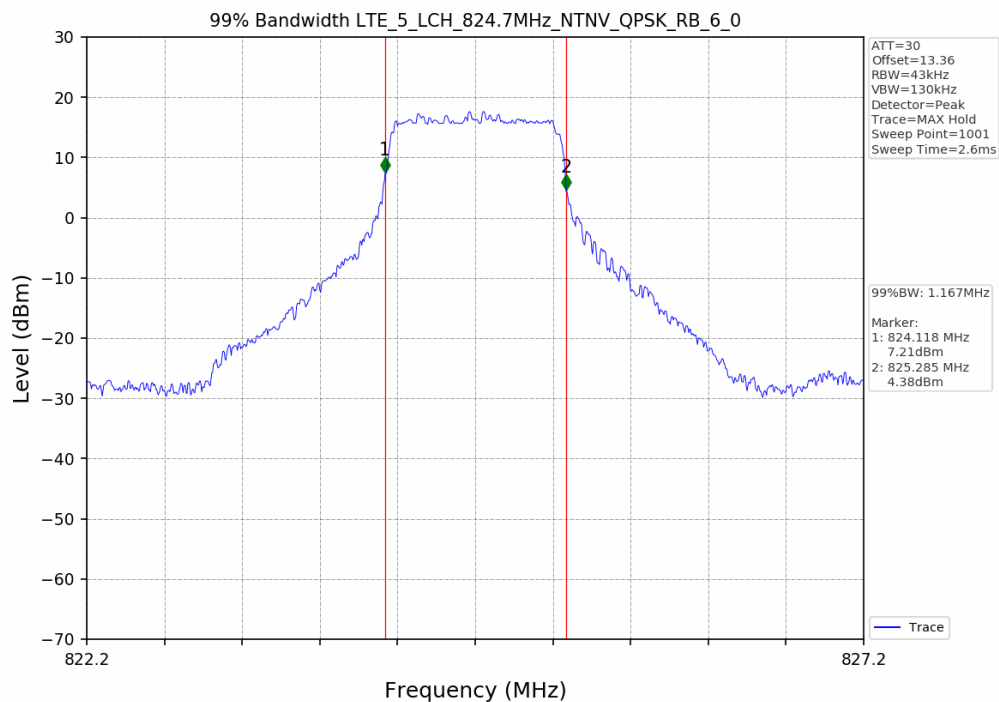
Test Band: 5 1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.167	1.151	1.152	N/A	PASS
16QAM	6	0	1.202	1.158	1.183	N/A	PASS
64QAM	6	0	1.183	1.143	1.184	N/A	PASS

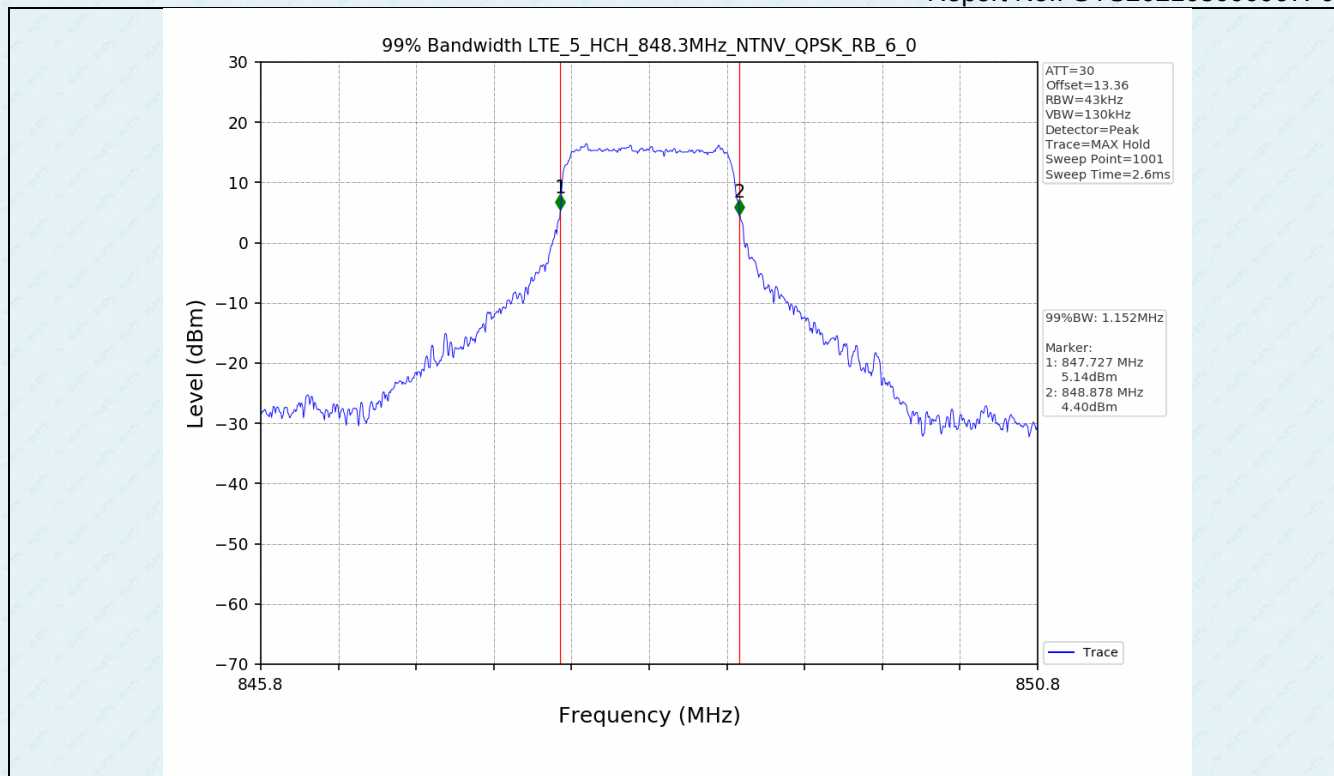
3.2 Test Graph





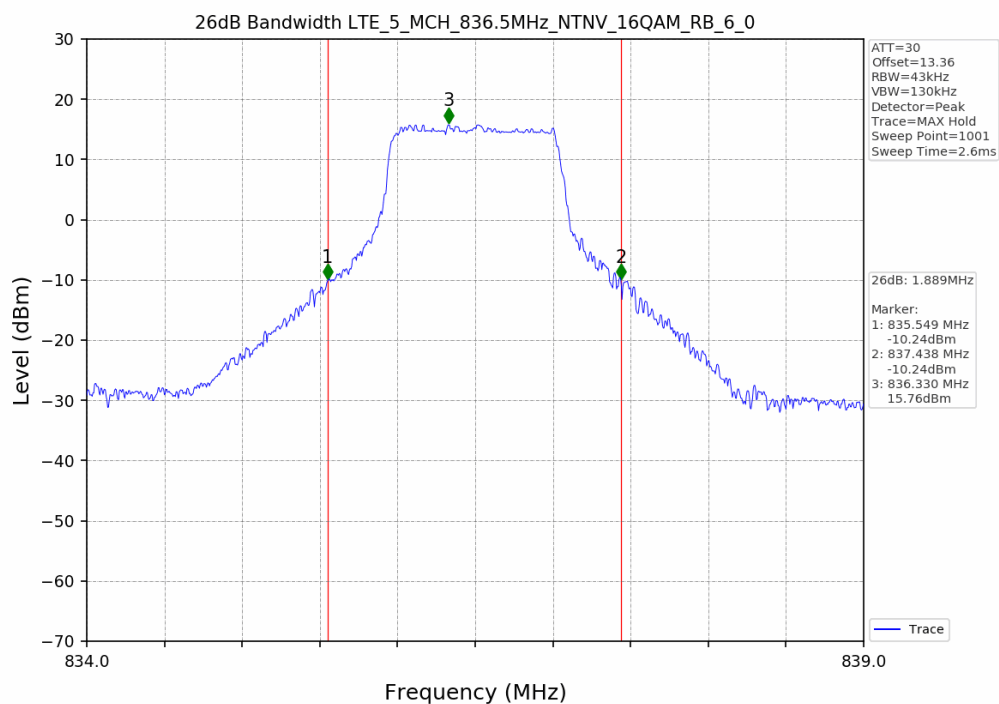
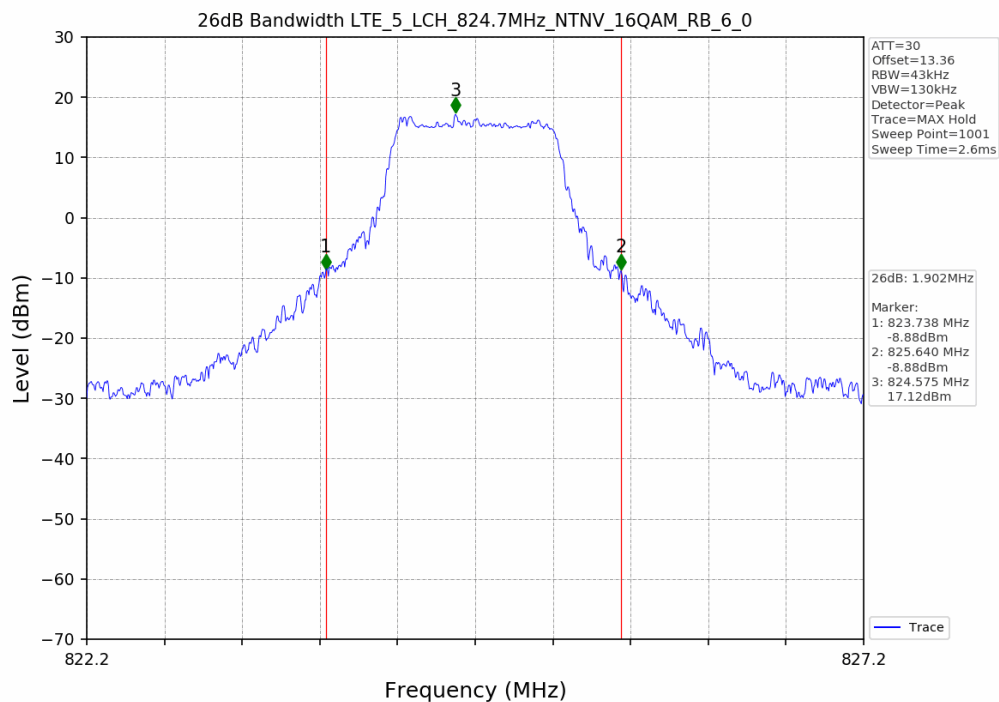


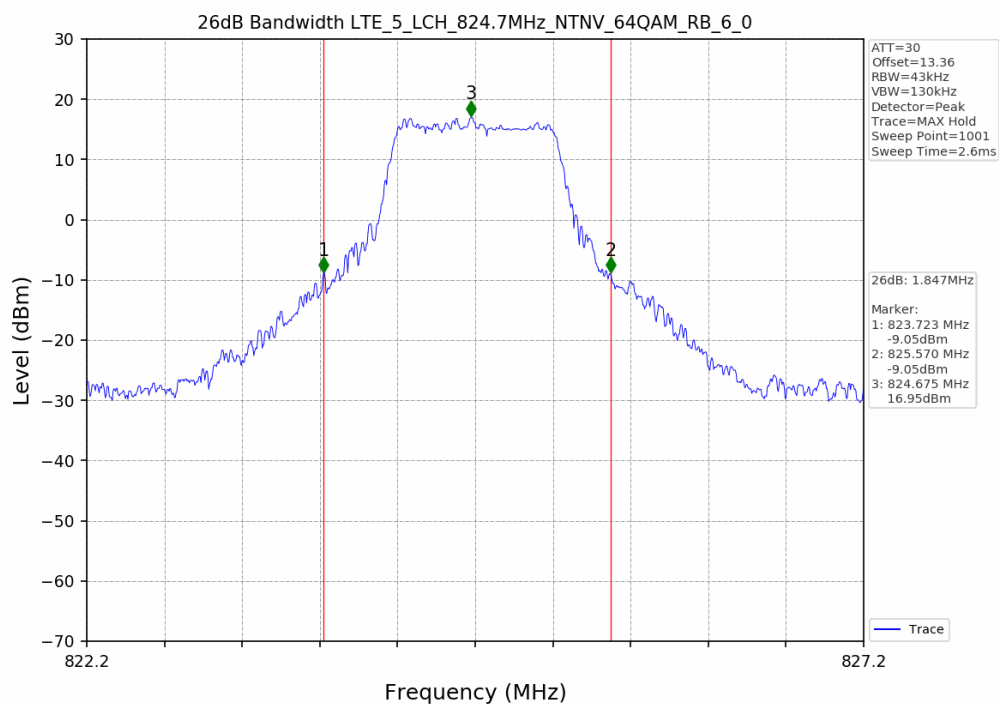
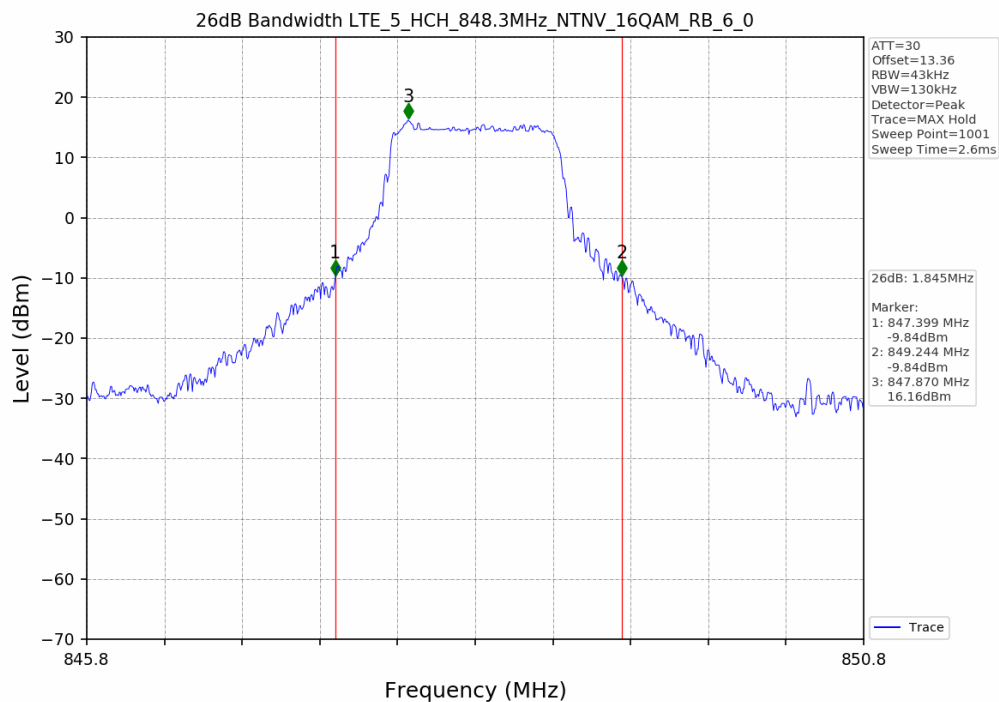


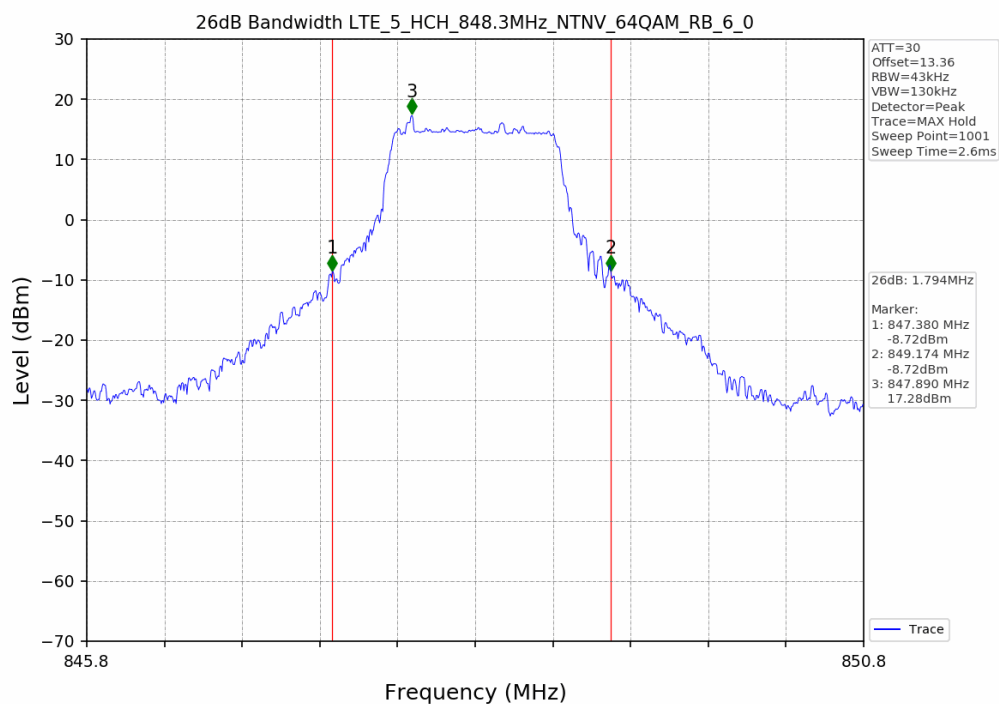
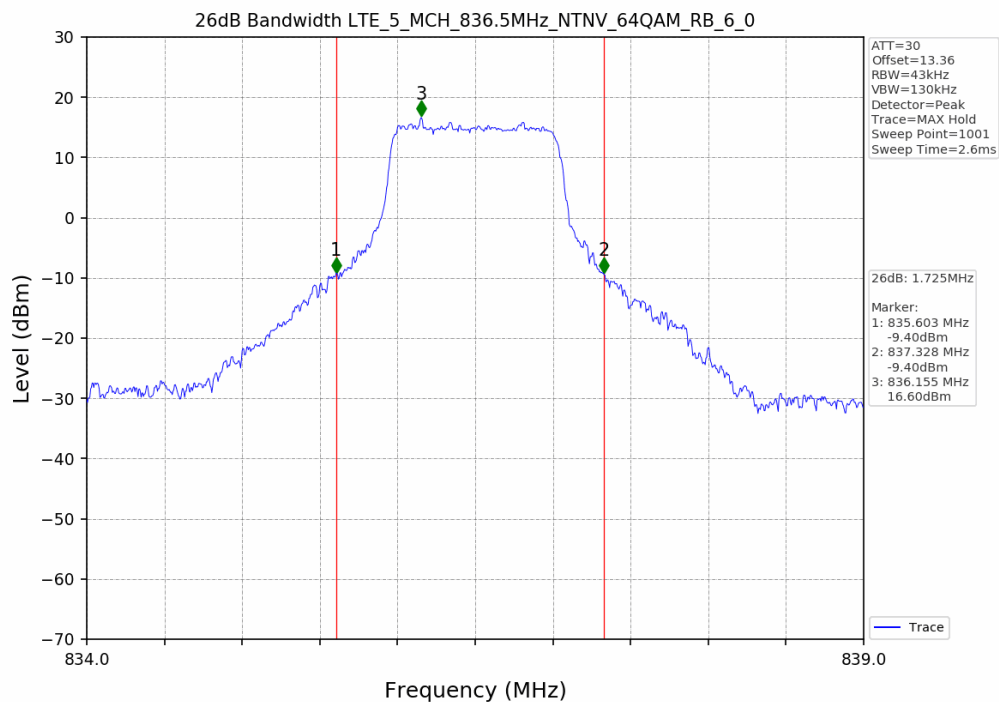


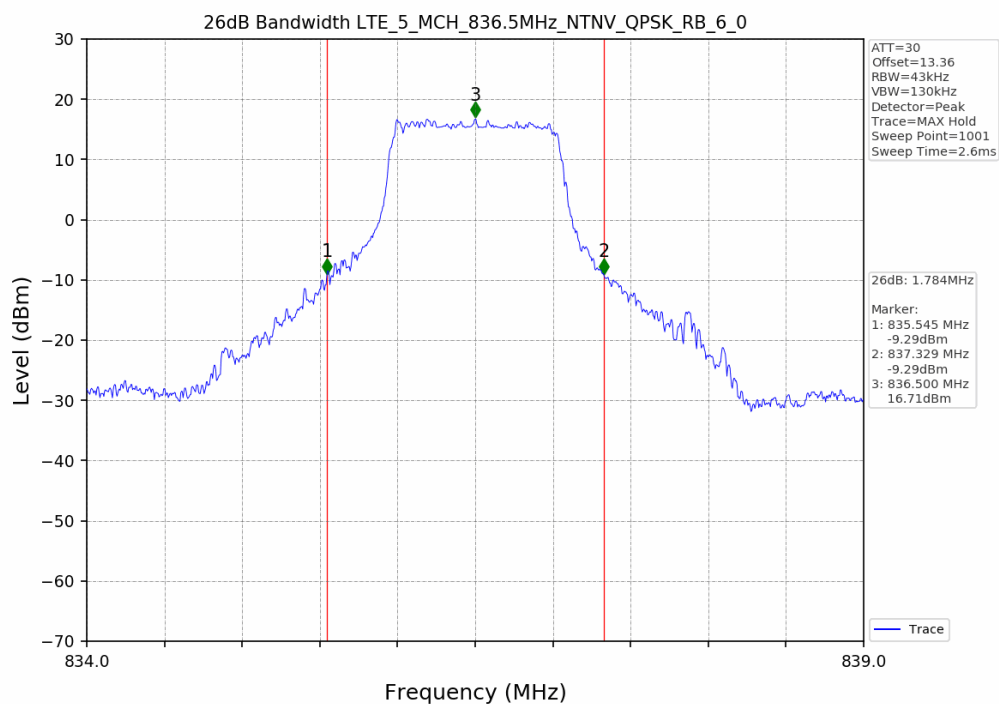
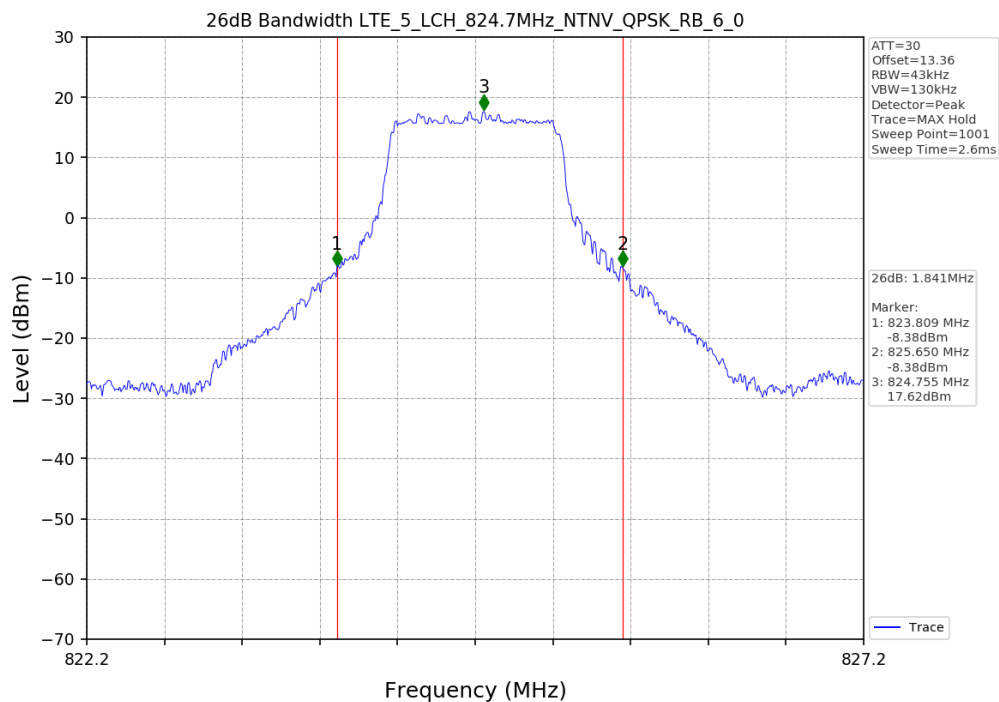
Test Band: 5_1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.841	1.784	1.780	N/A	PASS
16QAM	6	0	1.902	1.889	1.845	N/A	PASS
64QAM	6	0	1.847	1.725	1.794	N/A	PASS

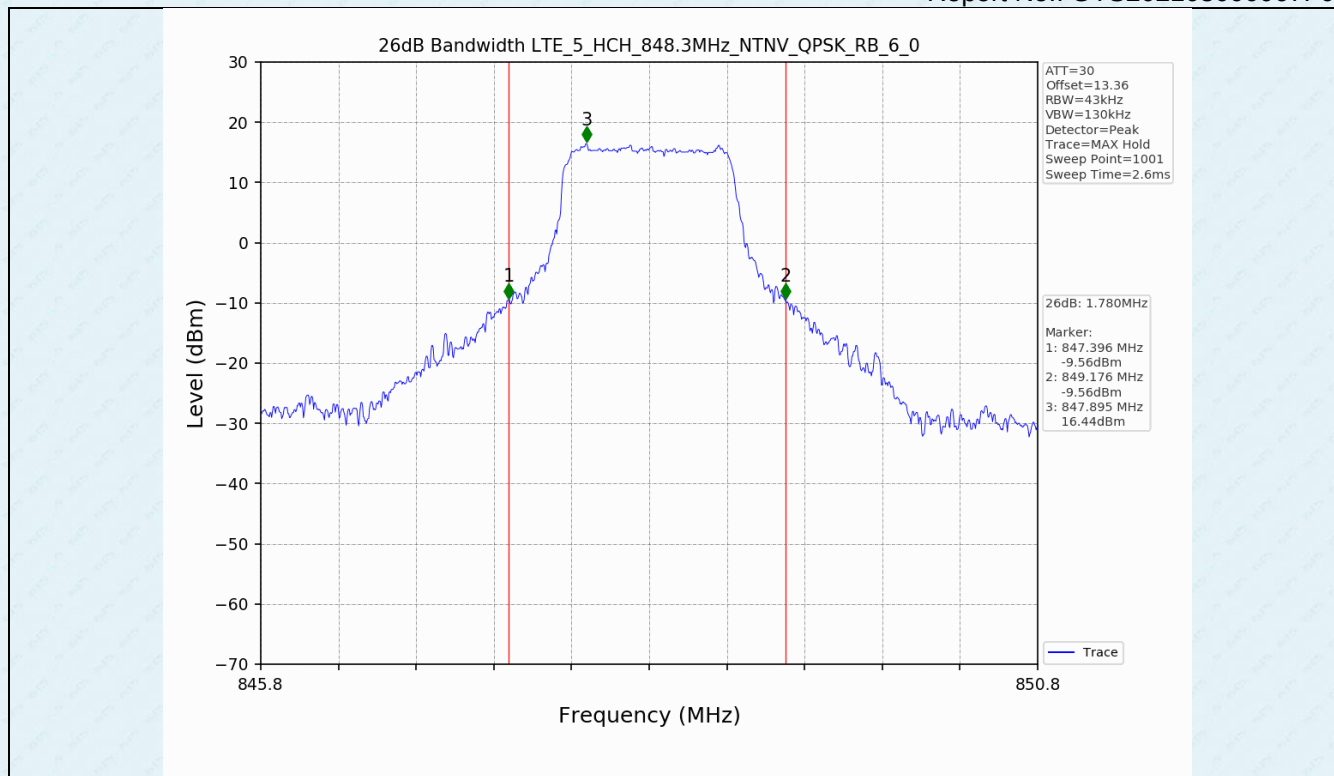
3.2 Test Graph





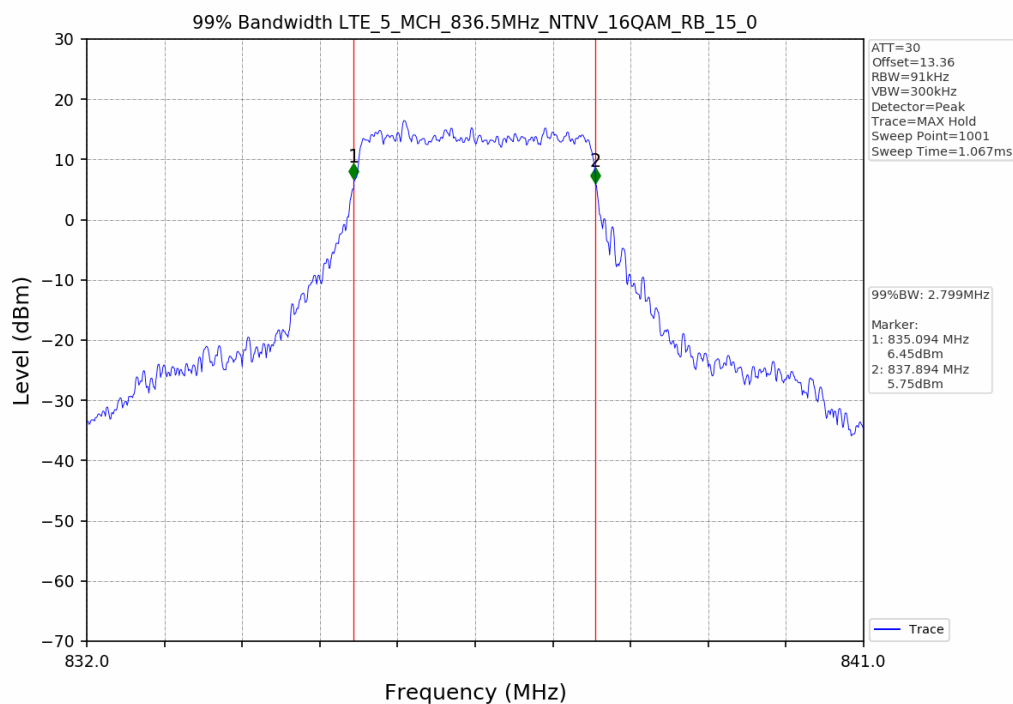
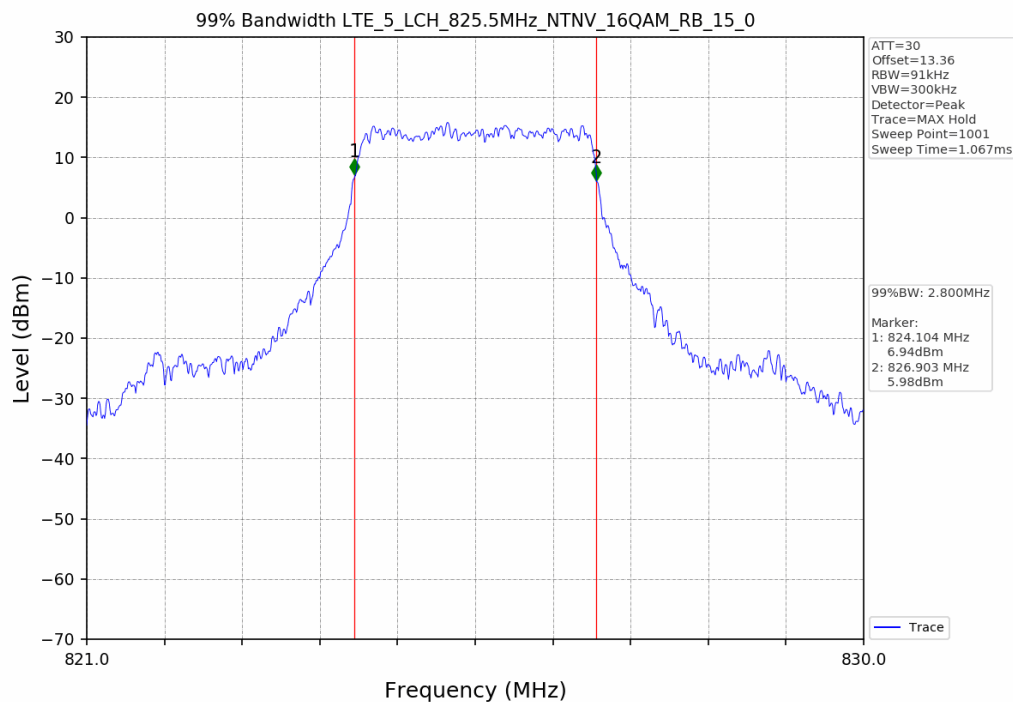


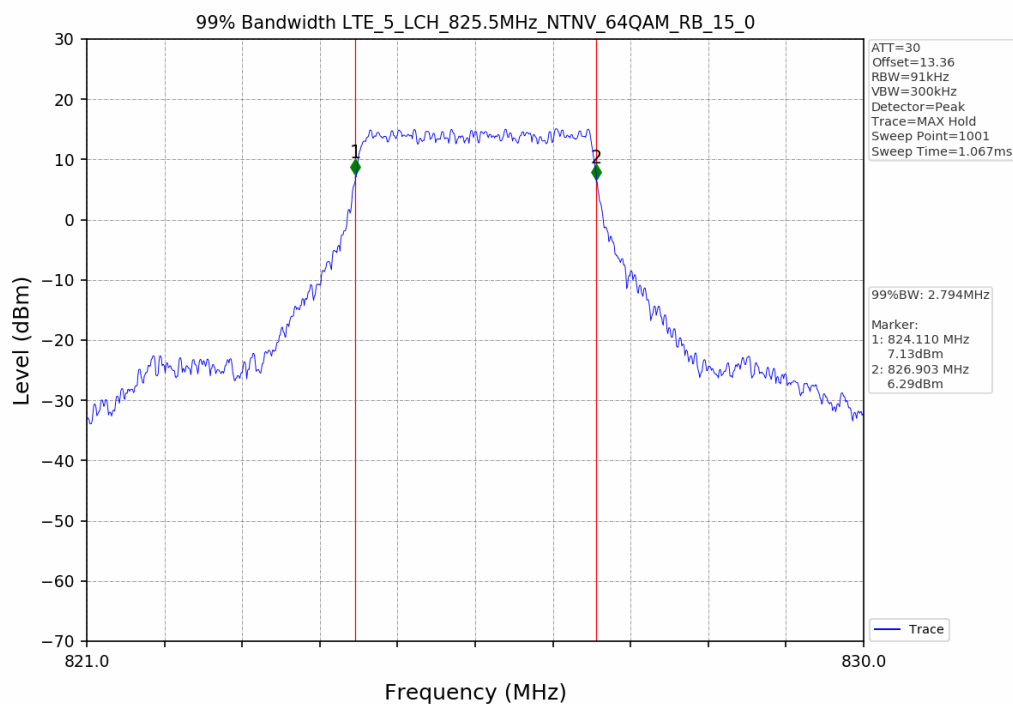
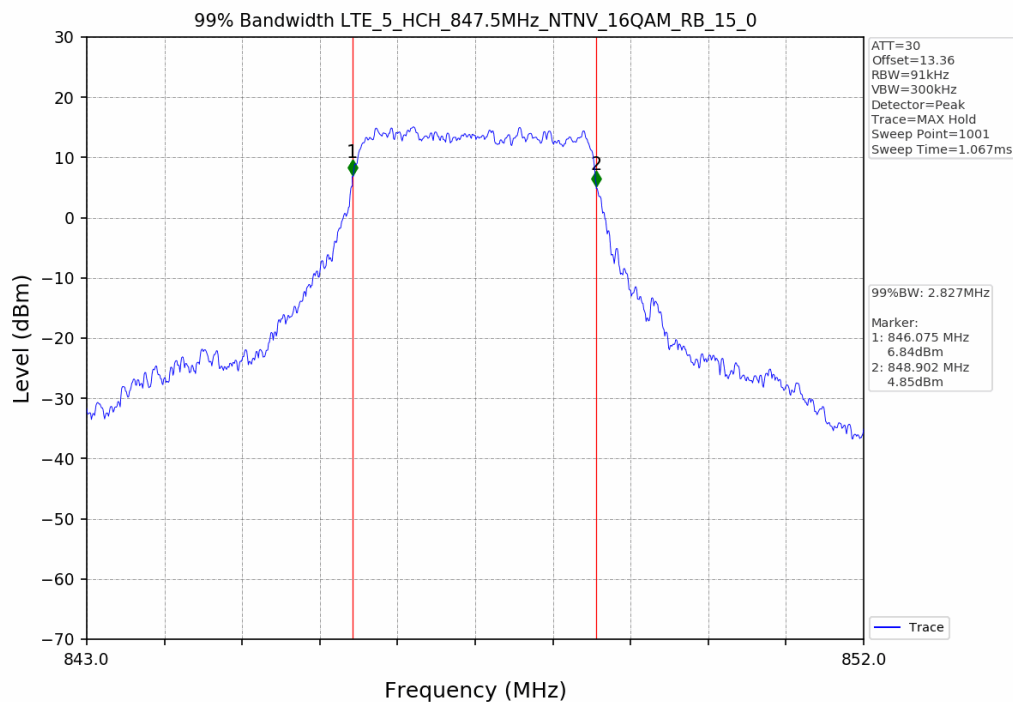


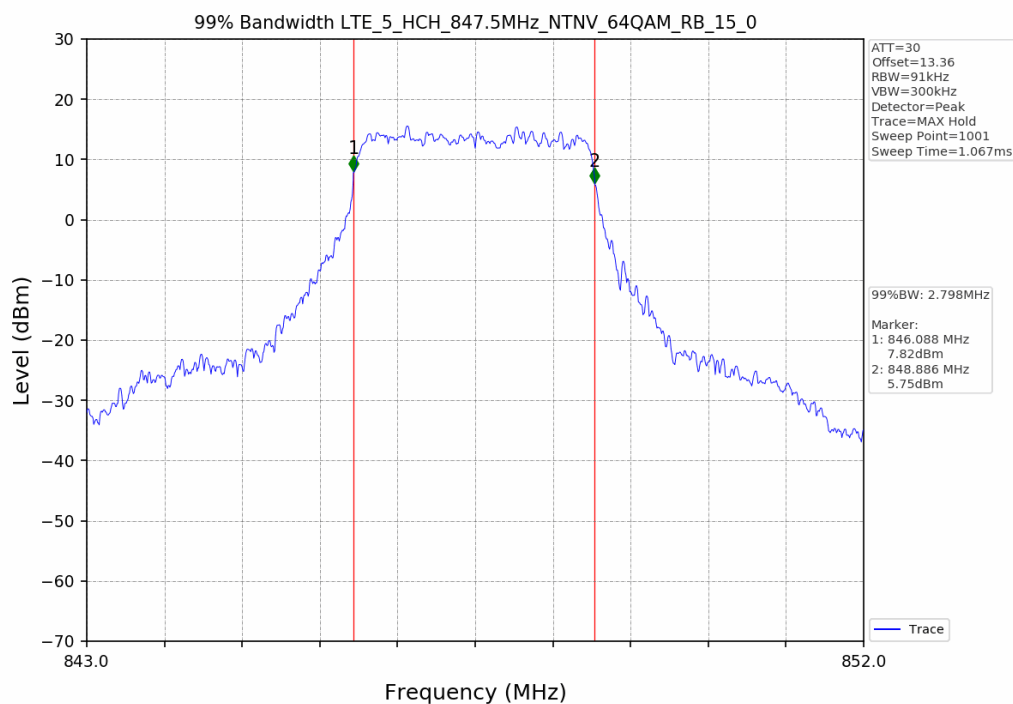
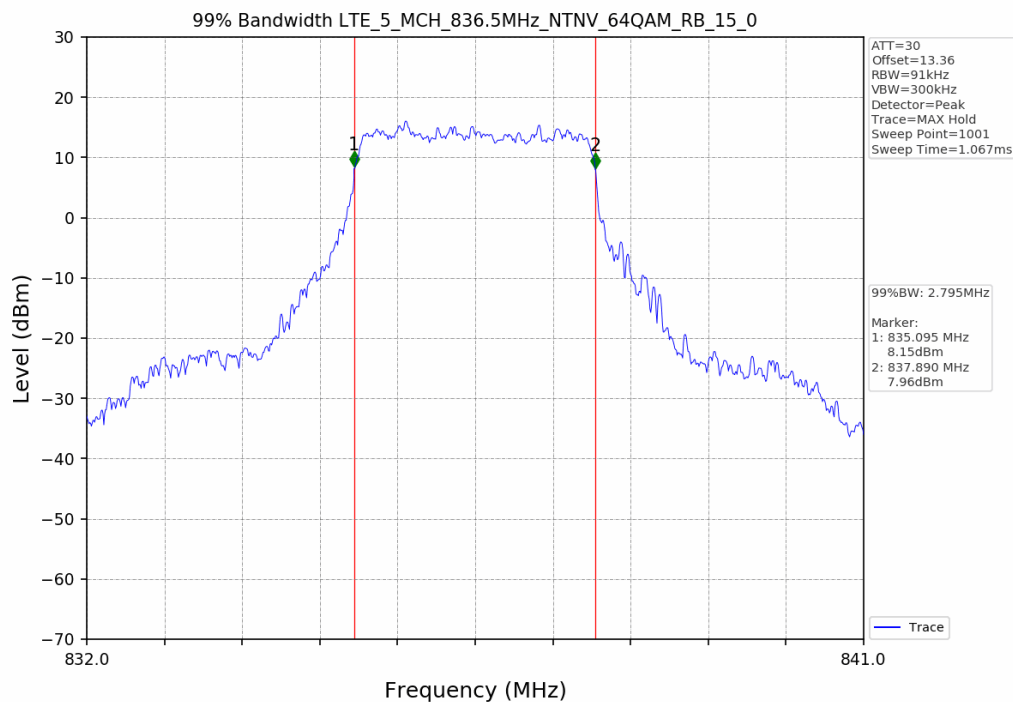


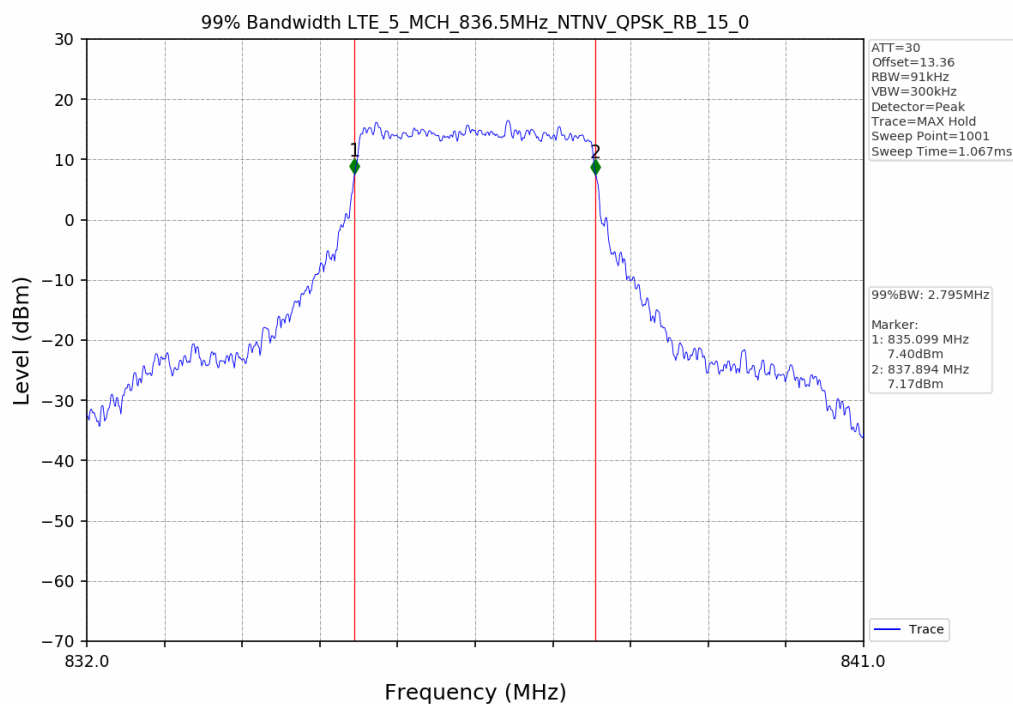
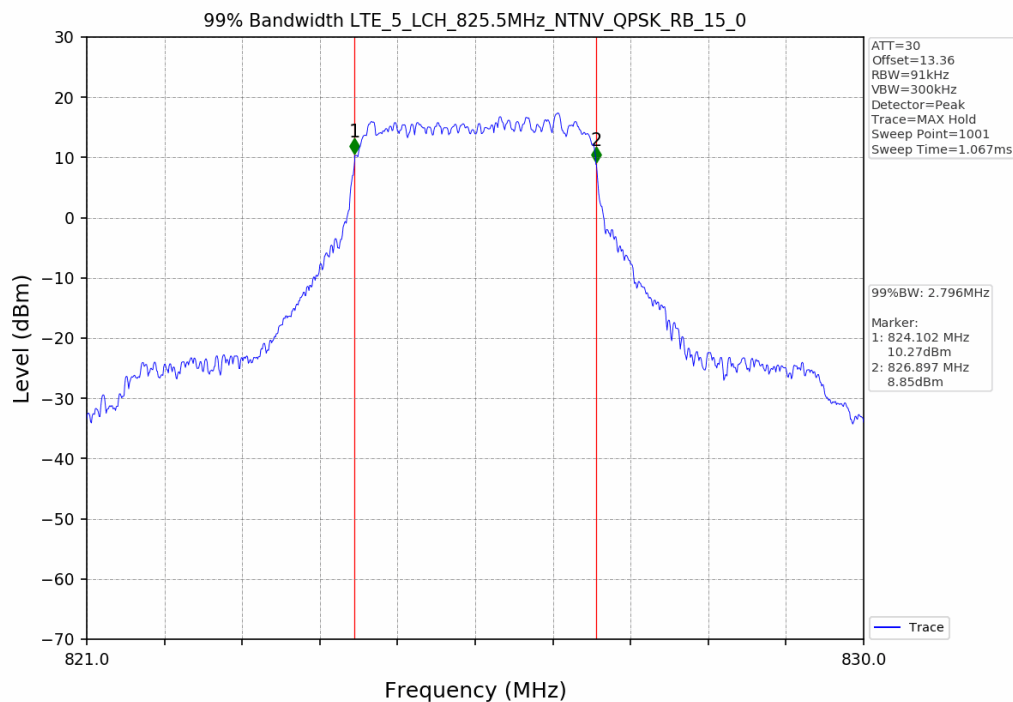
Test Band: 5_3MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.796	2.795	2.807	N/A	PASS
16QAM	15	0	2.800	2.799	2.827	N/A	PASS
64QAM	15	0	2.794	2.795	2.798	N/A	PASS

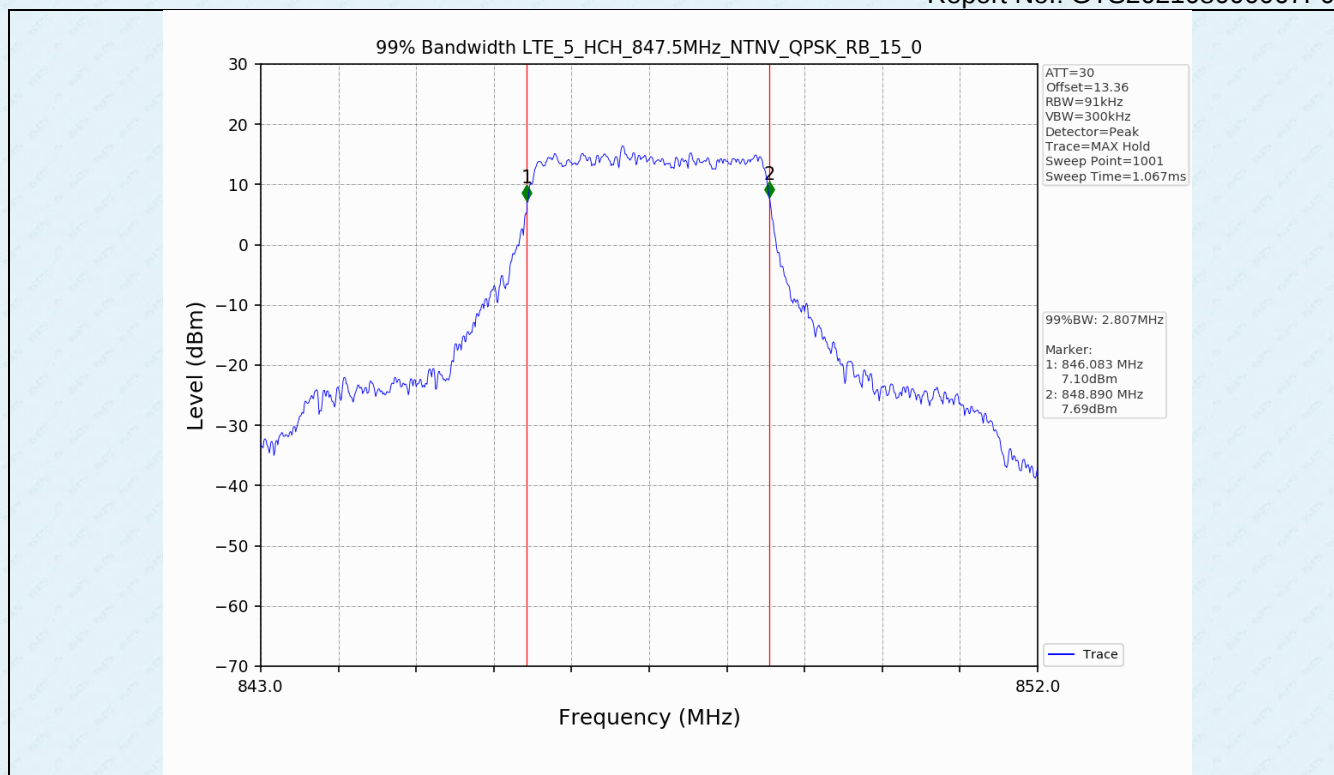
3.2 Test Graph





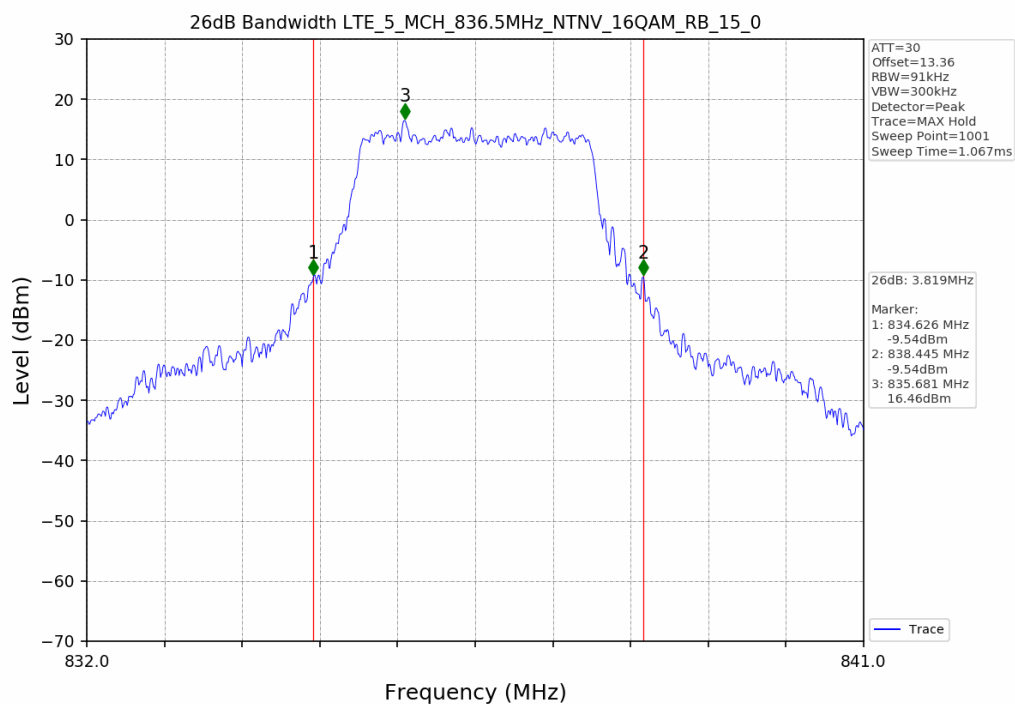
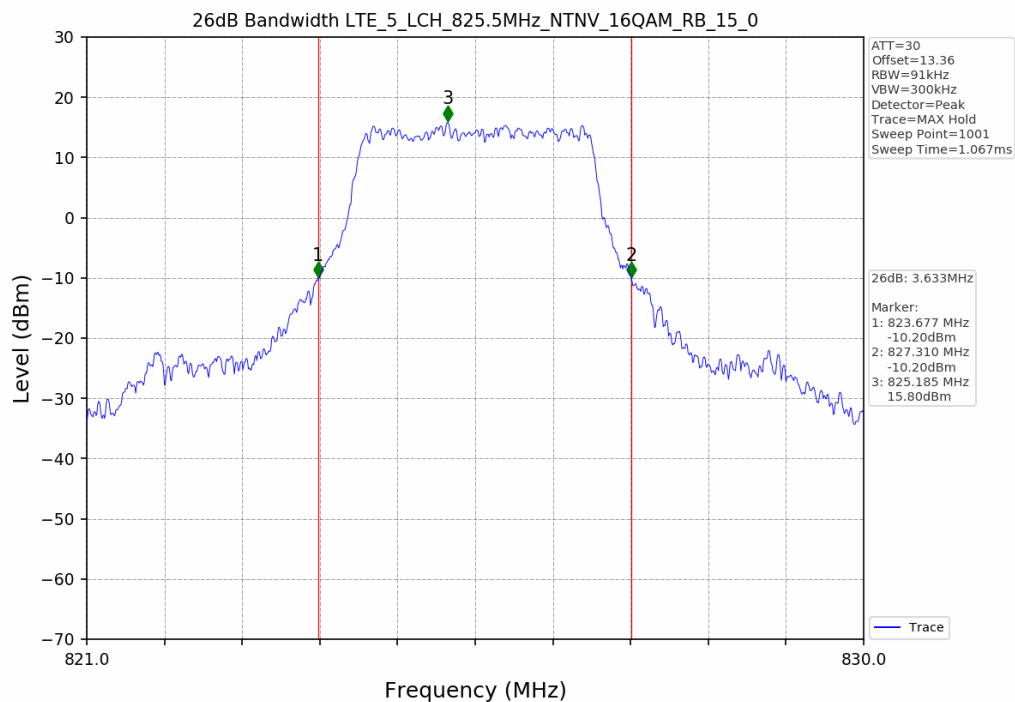


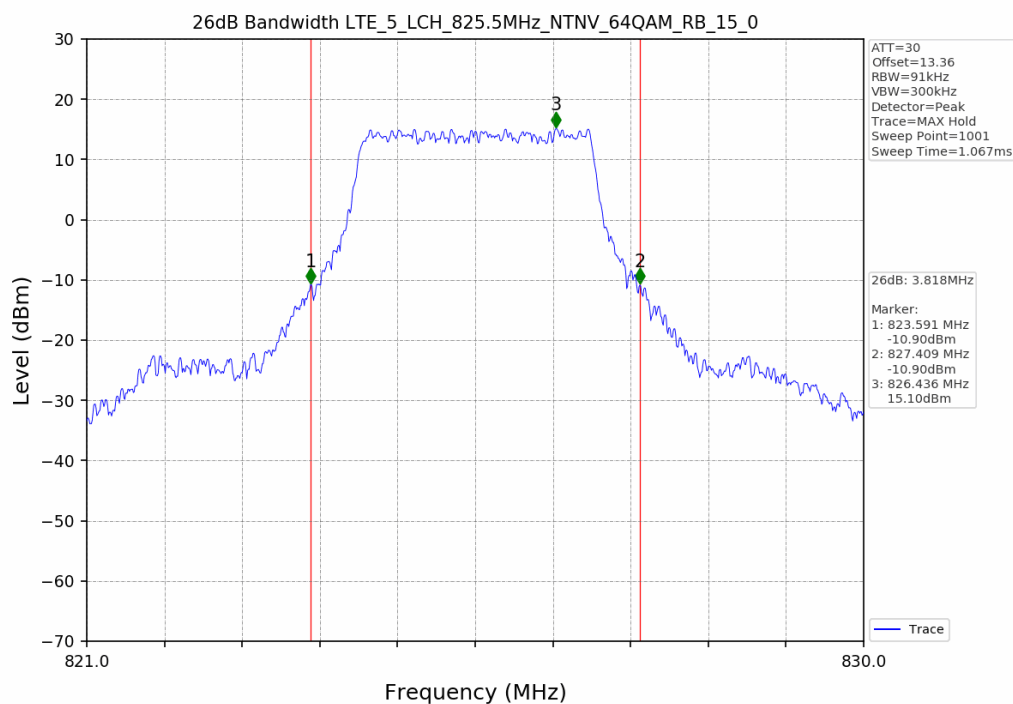
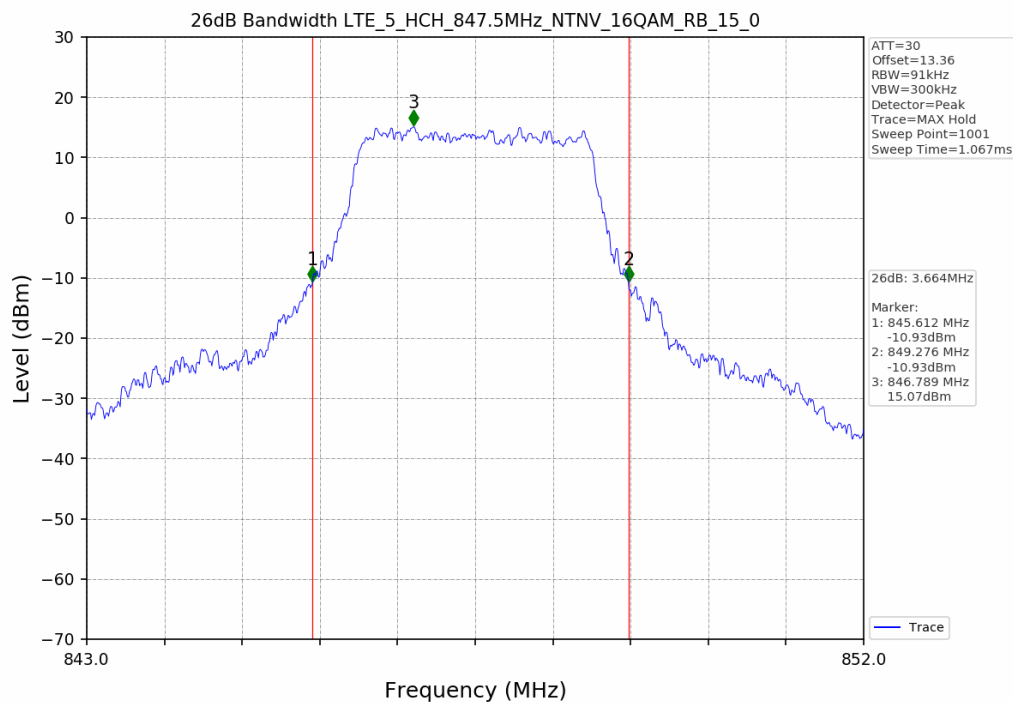


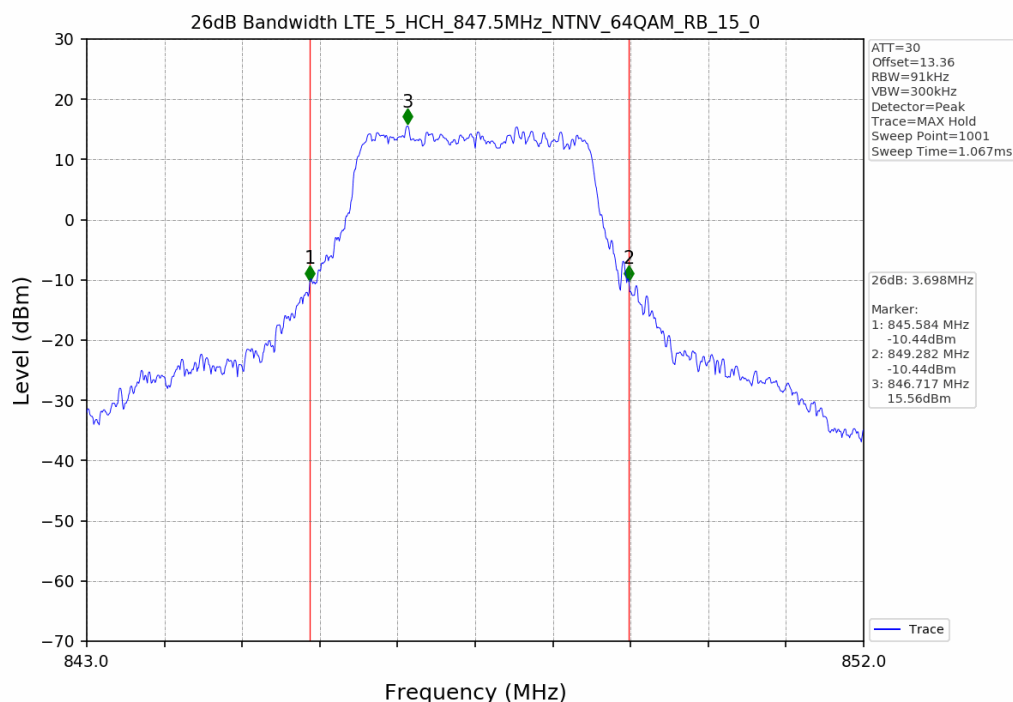
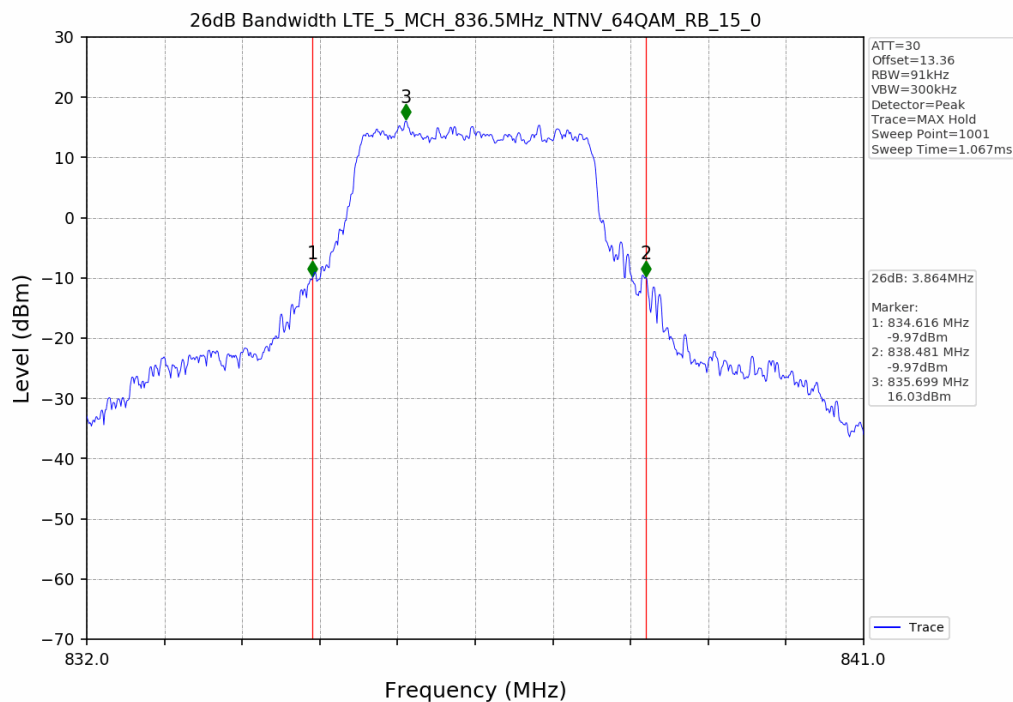


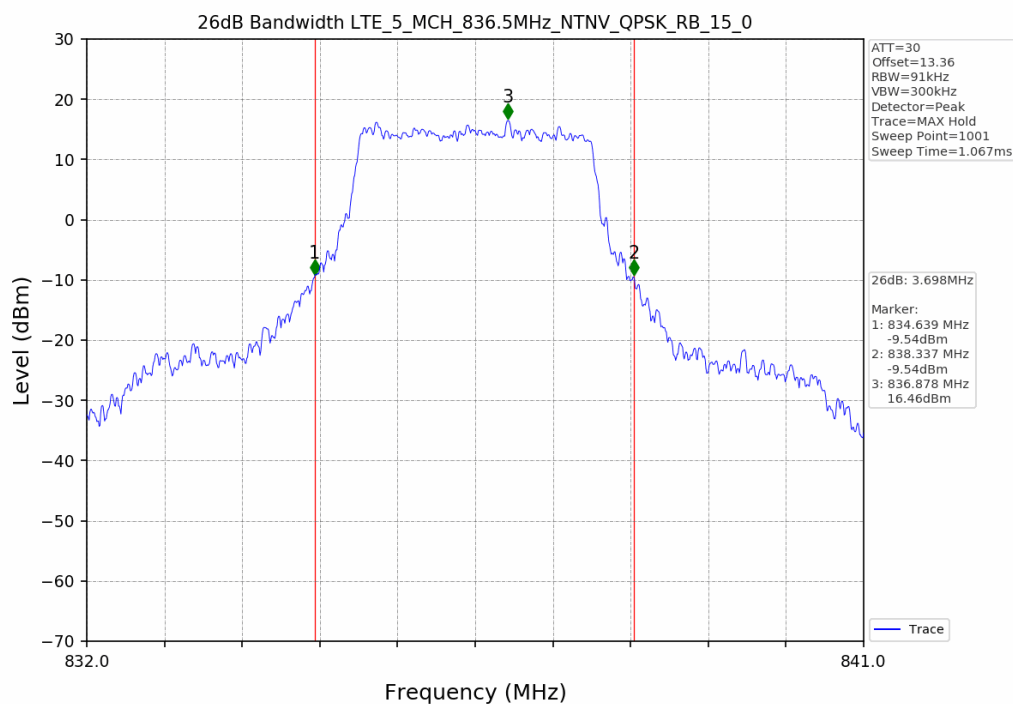
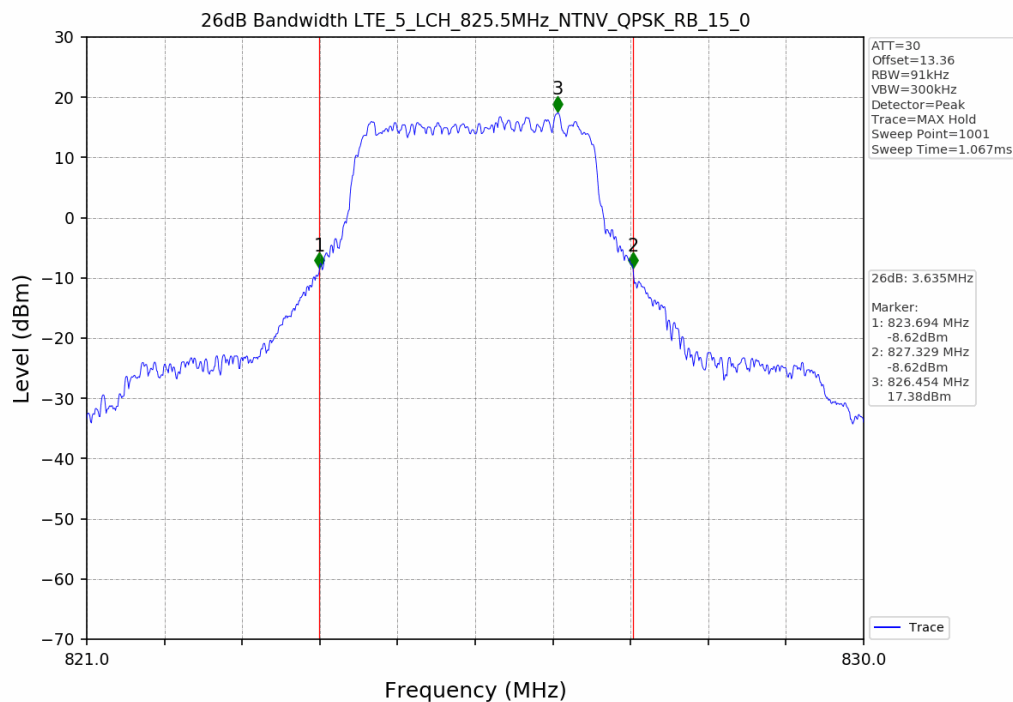
Test Band: 5_3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	3.635	3.698	3.633	N/A	PASS
16QAM	15	0	3.633	3.819	3.664	N/A	PASS
64QAM	15	0	3.818	3.864	3.698	N/A	PASS

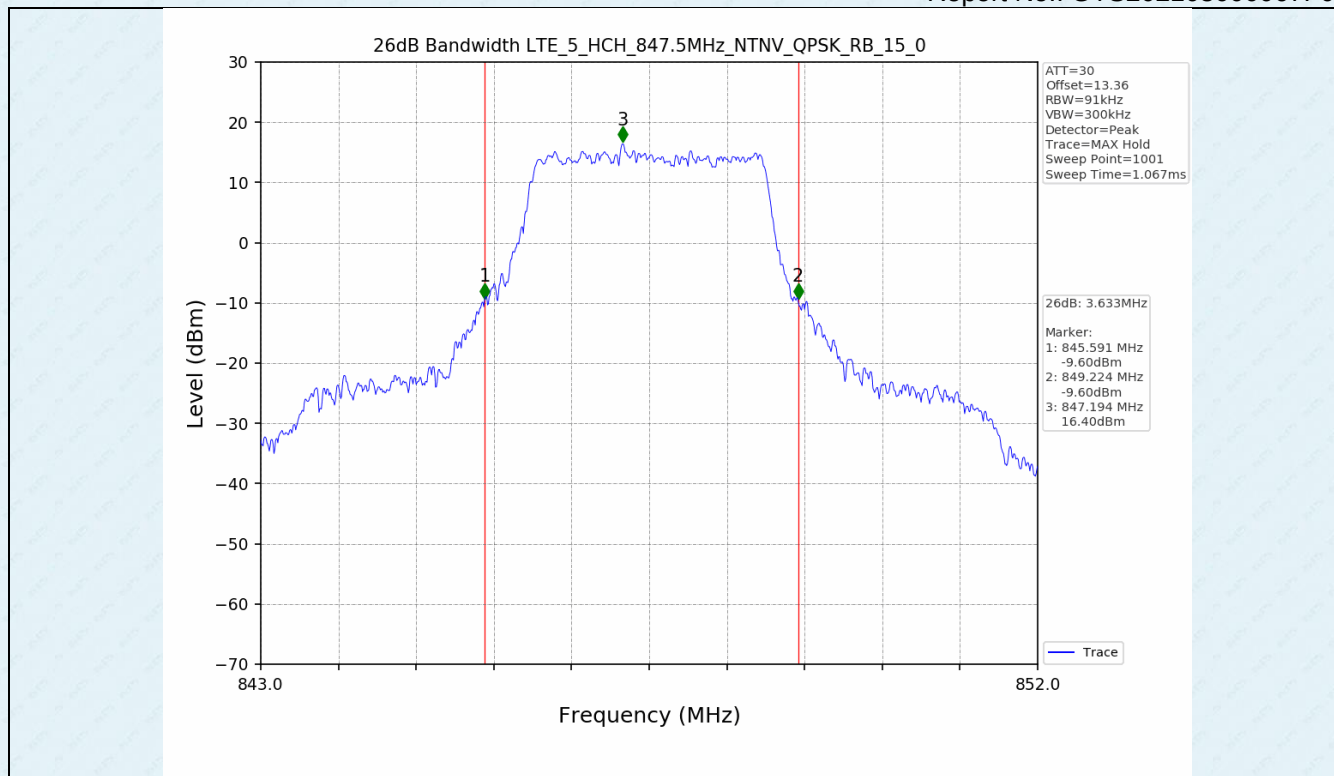
3.2 Test Graph





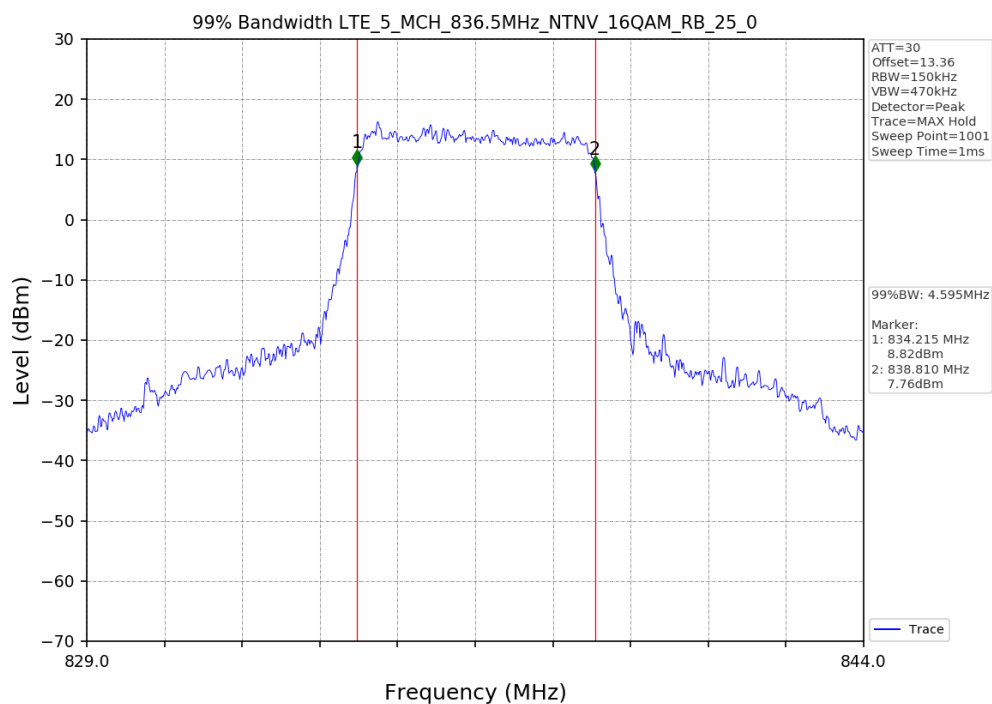
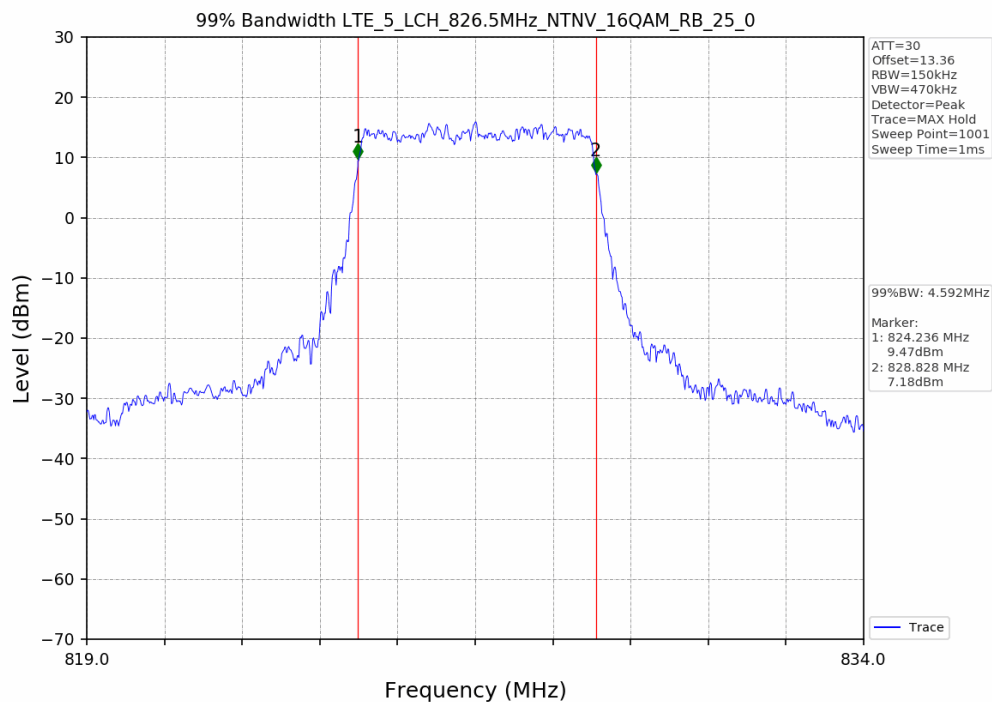


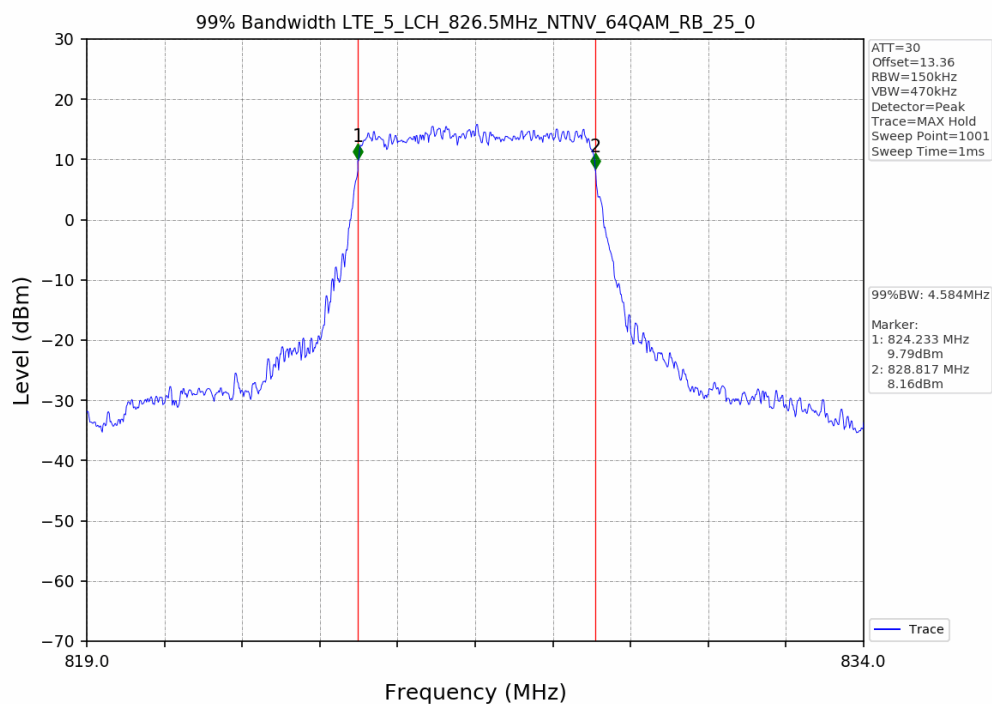
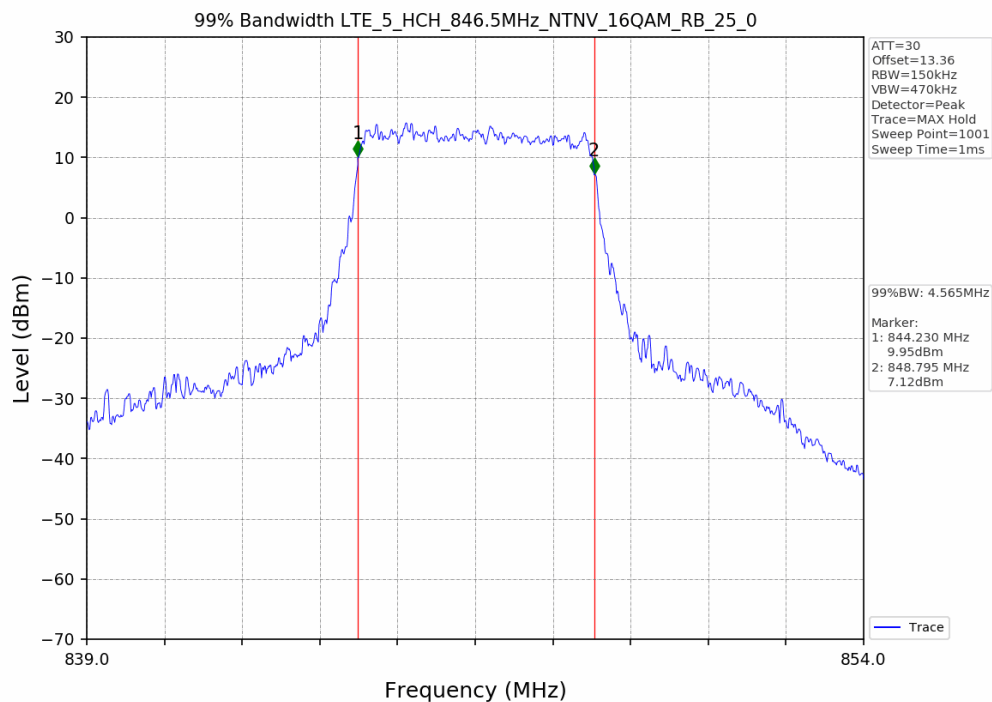


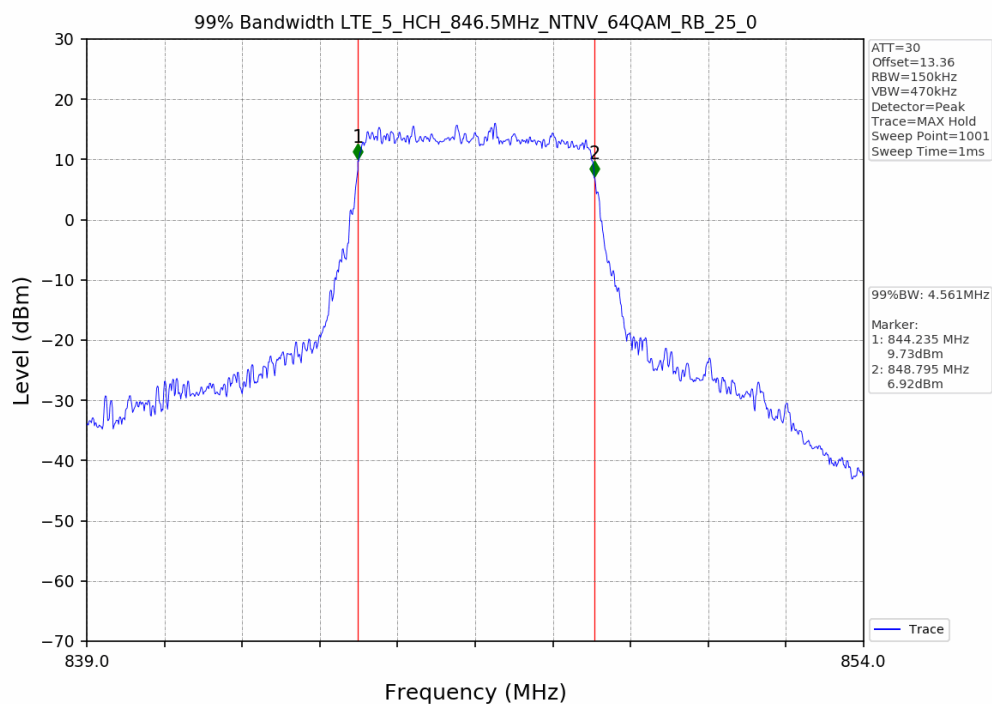
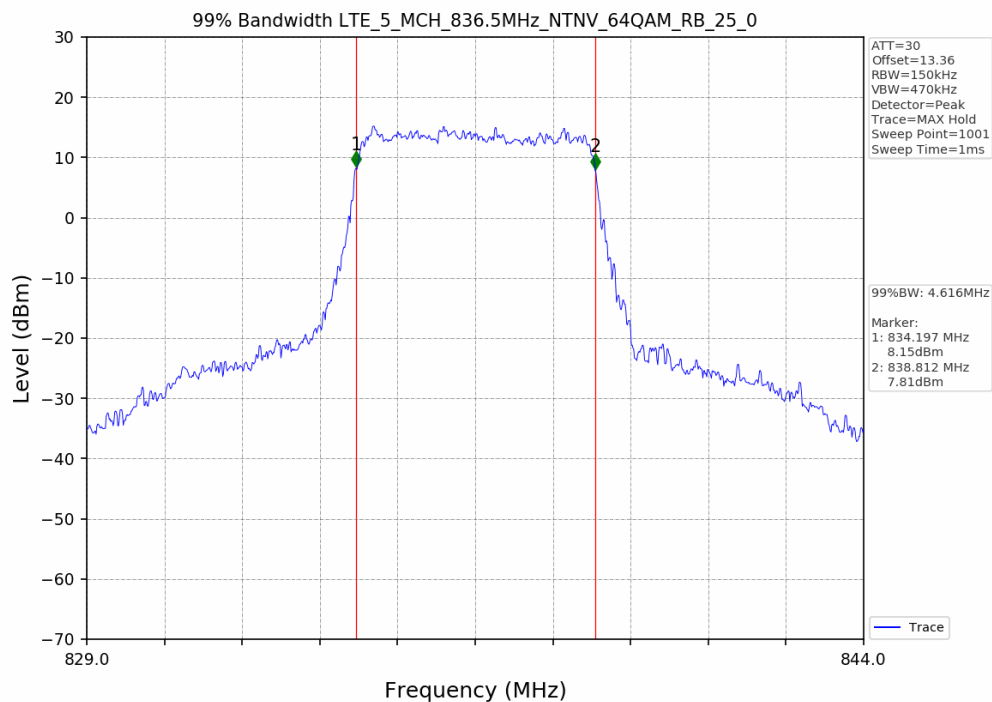


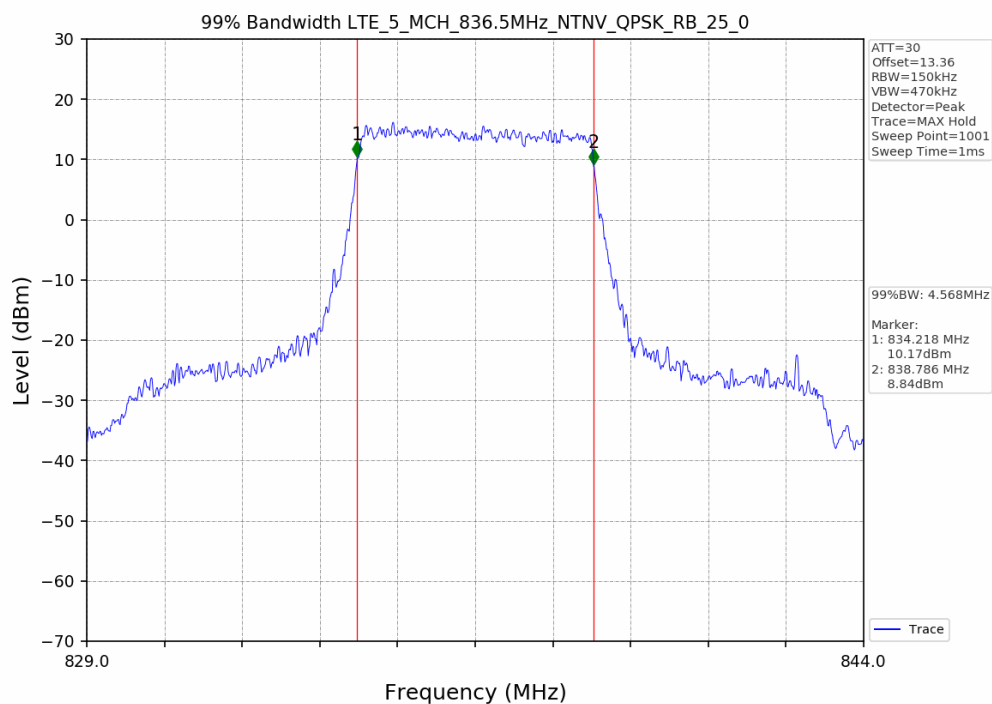
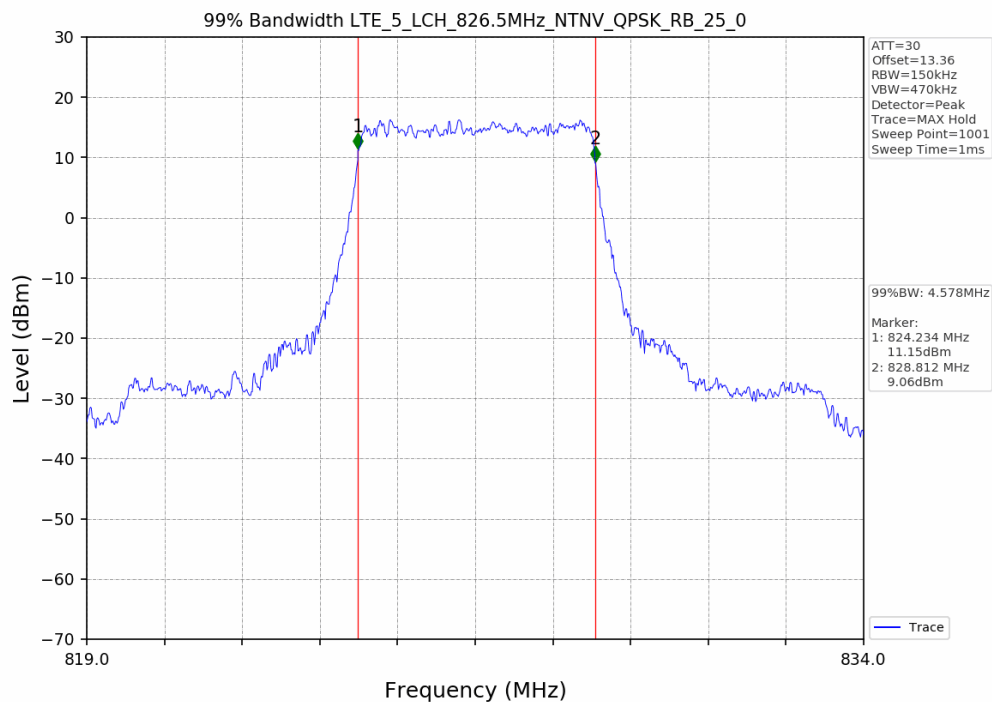
Test Band: 5_5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.578	4.568	4.574	N/A	PASS
16QAM	25	0	4.592	4.595	4.565	N/A	PASS
64QAM	25	0	4.584	4.616	4.561	N/A	PASS

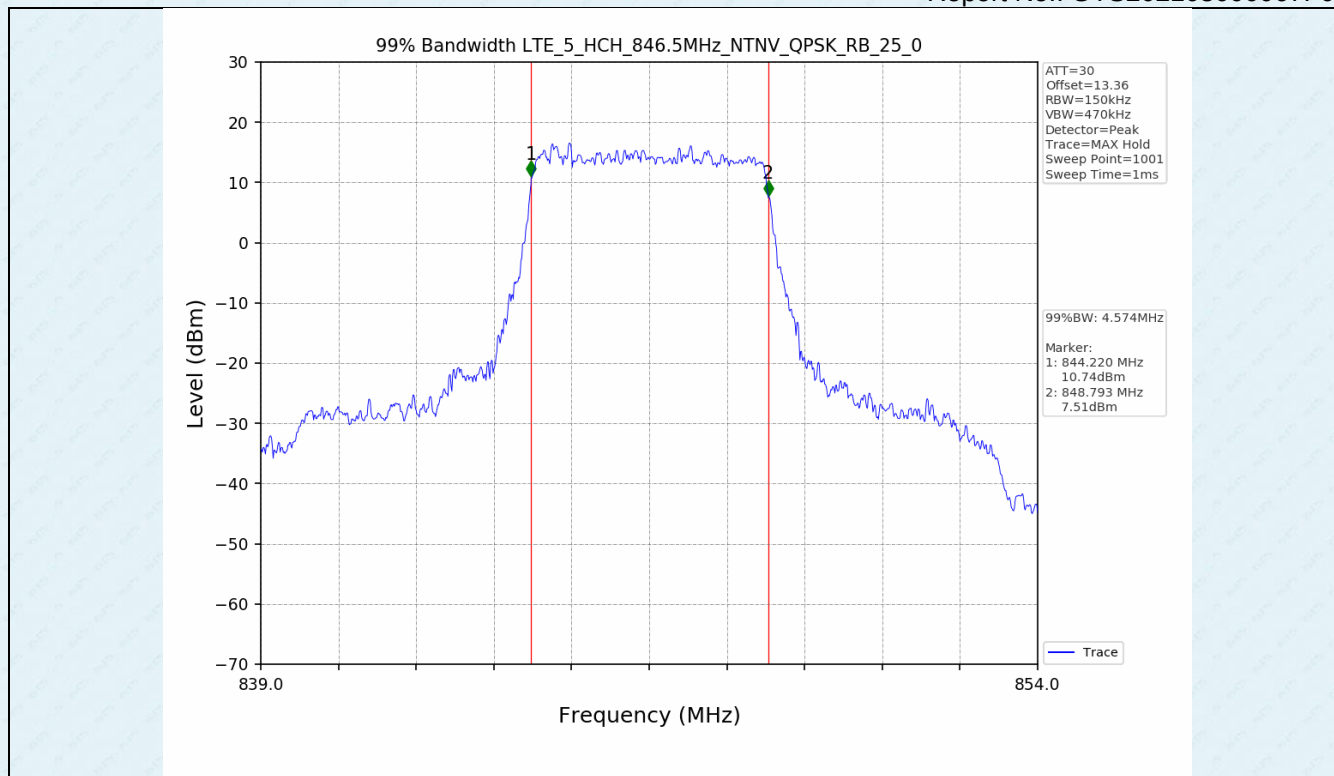
3.2 Test Graph





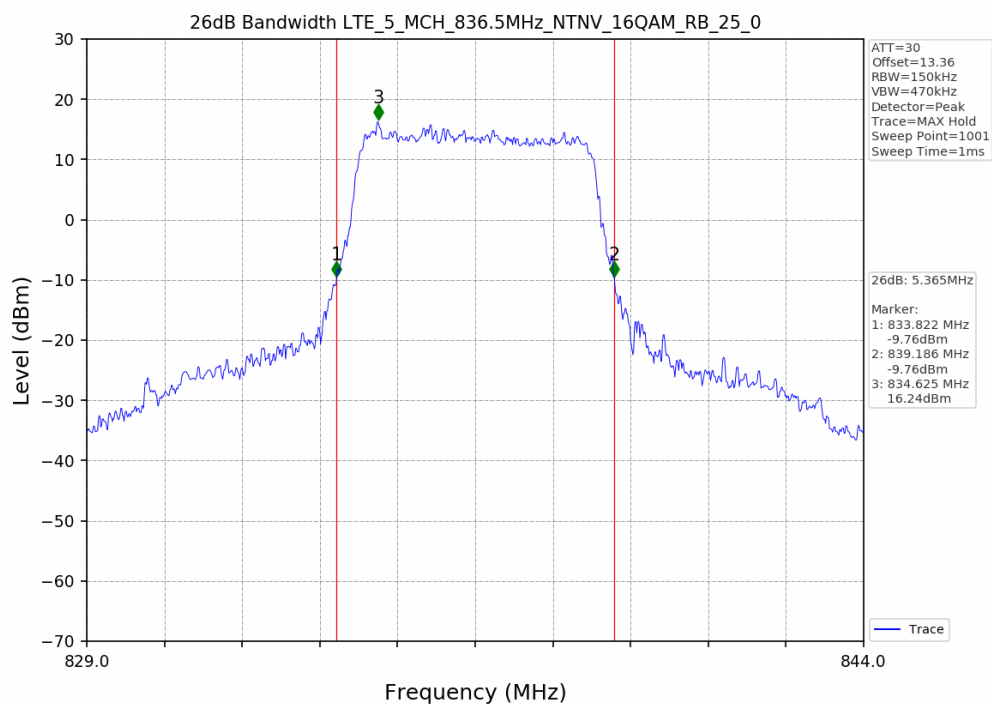
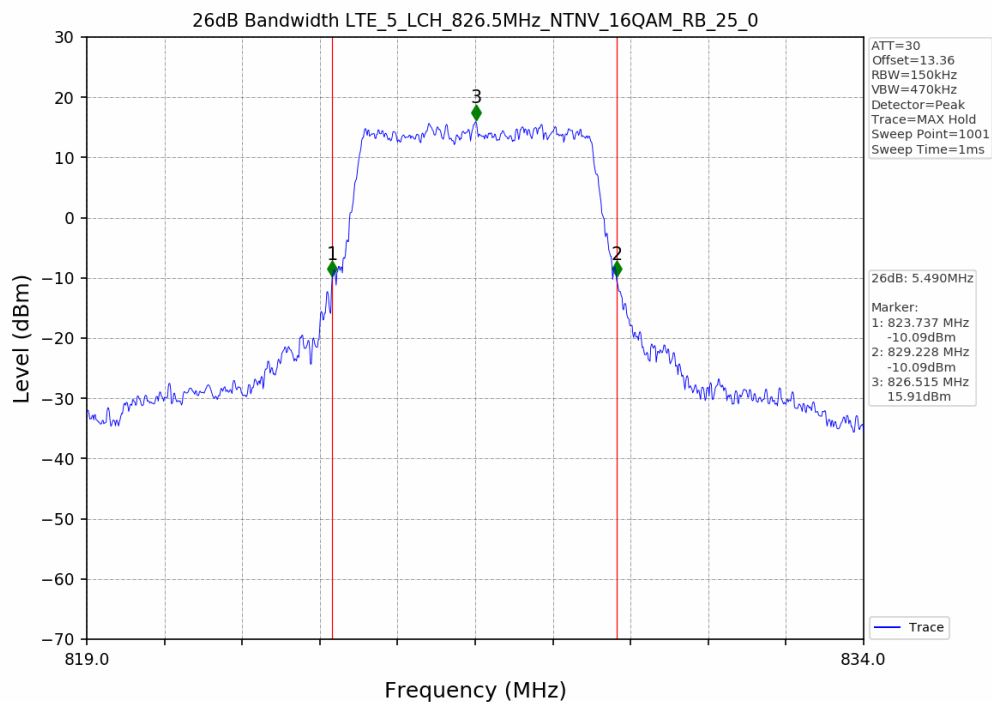


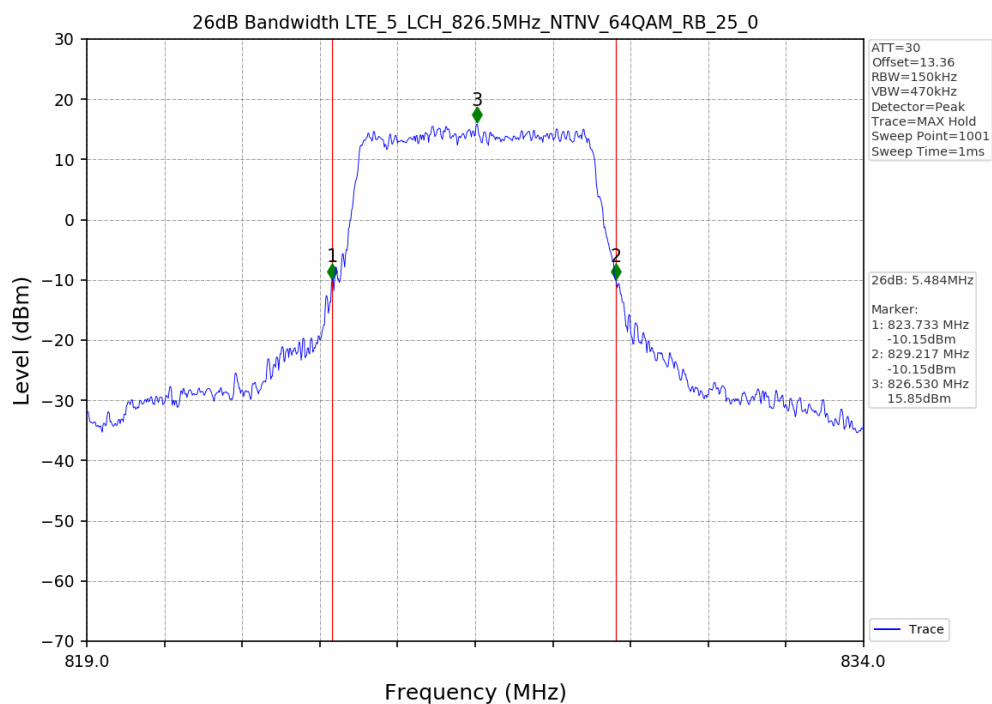
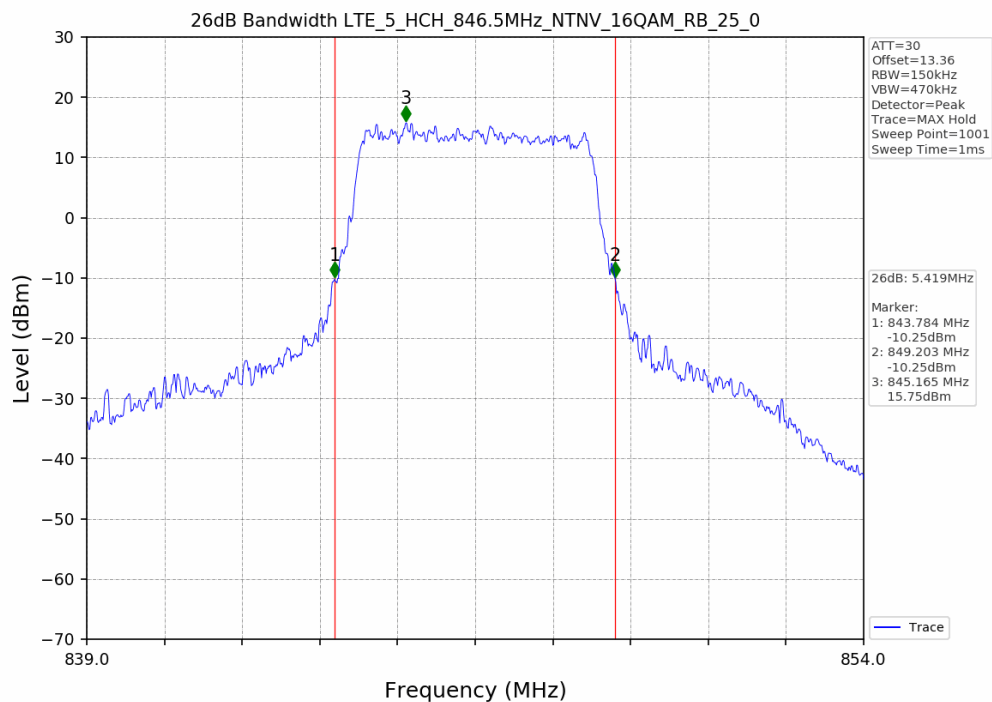


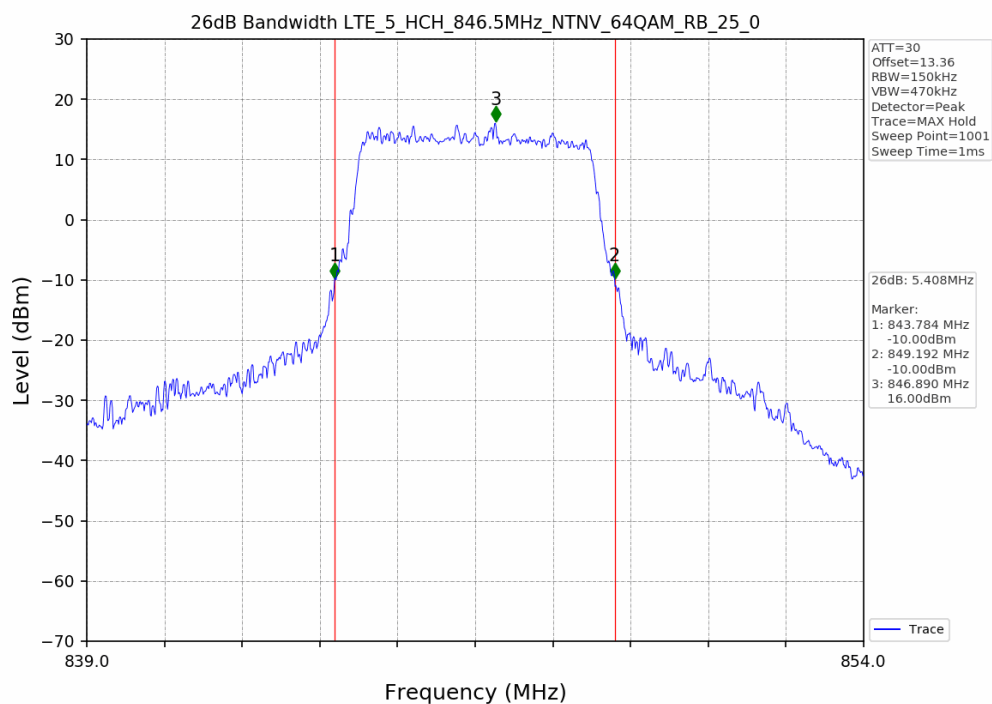
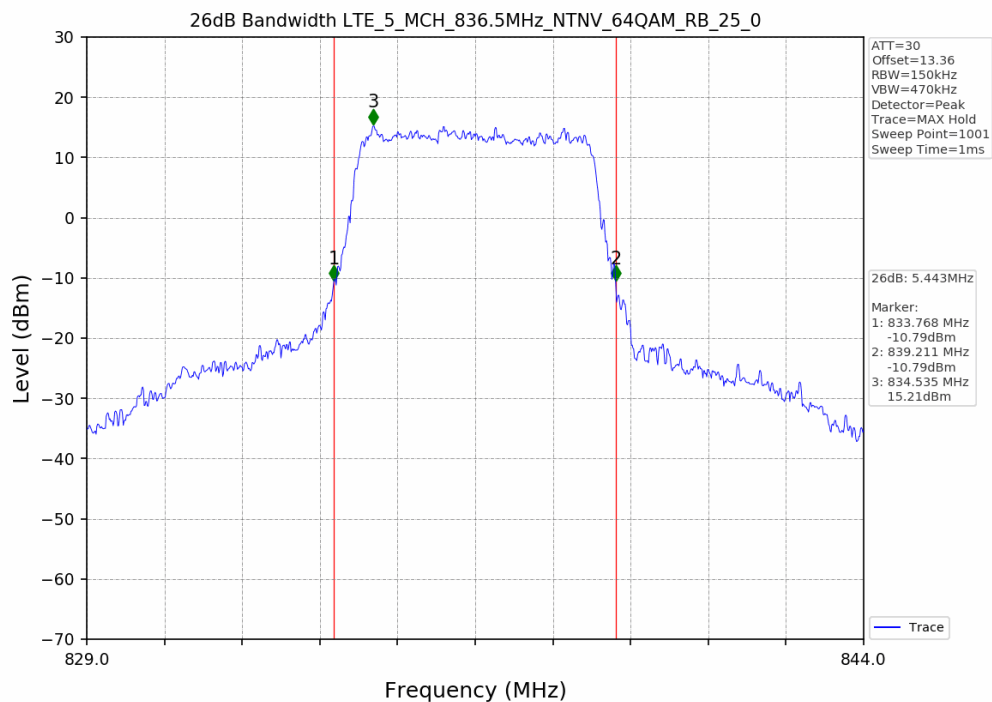


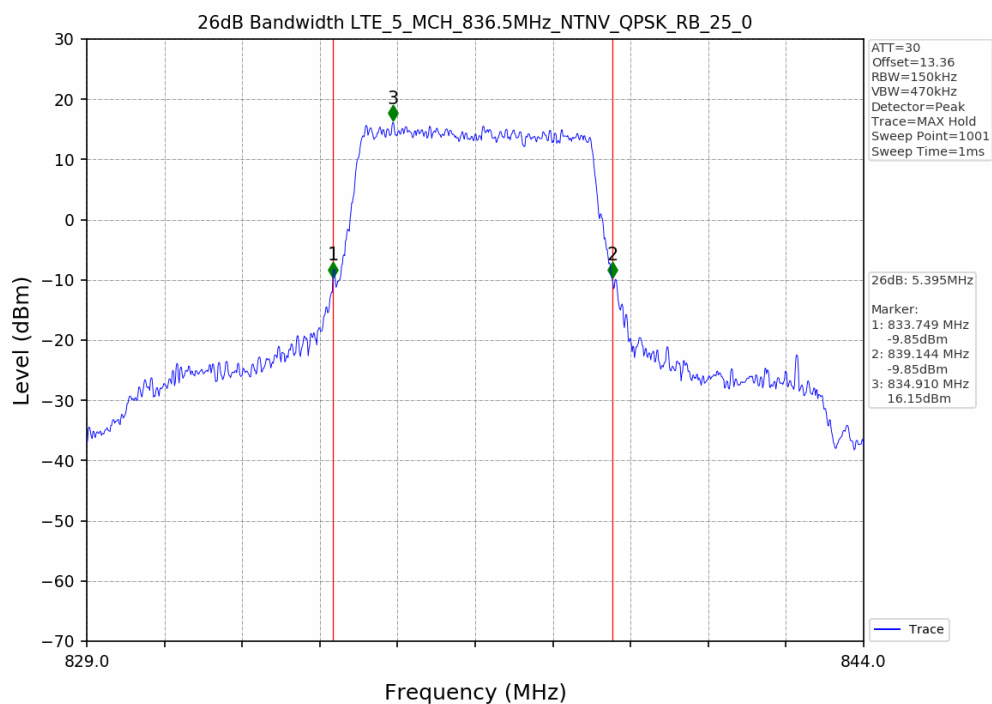
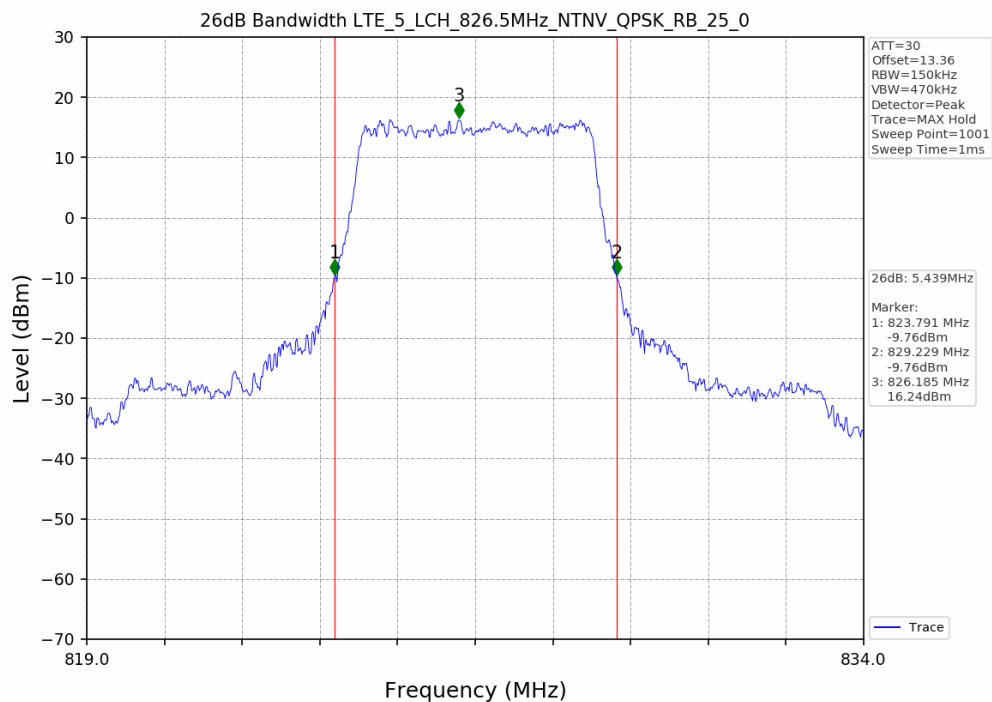
Test Band: 5_ 5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.439	5.395	5.399	N/A	PASS
16QAM	25	0	5.490	5.365	5.419	N/A	PASS
64QAM	25	0	5.484	5.443	5.408	N/A	PASS

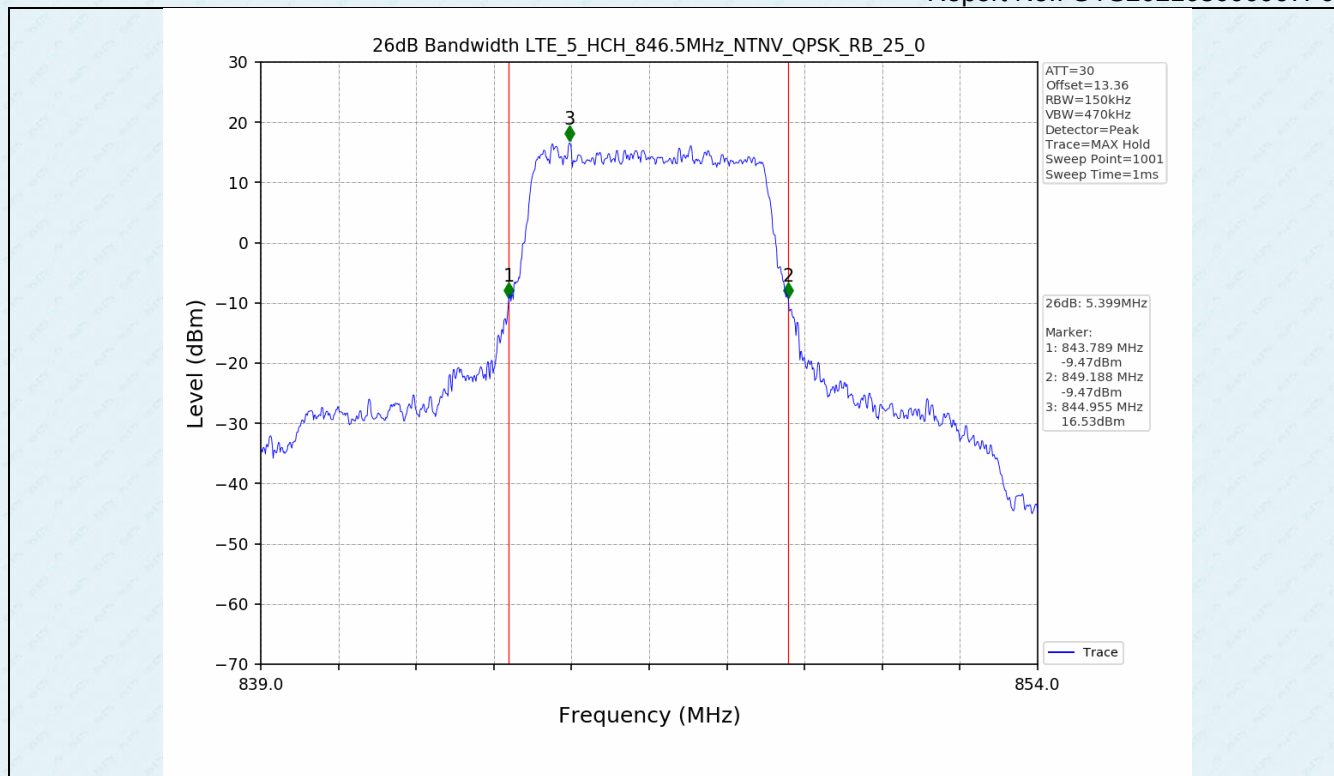
3.2 Test Graph





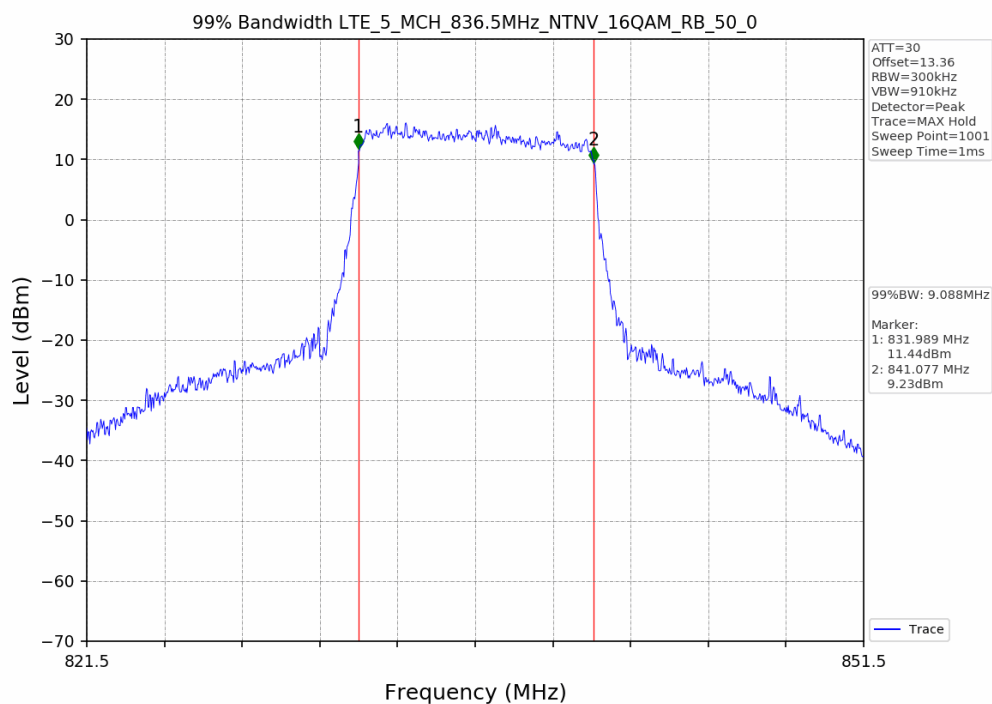
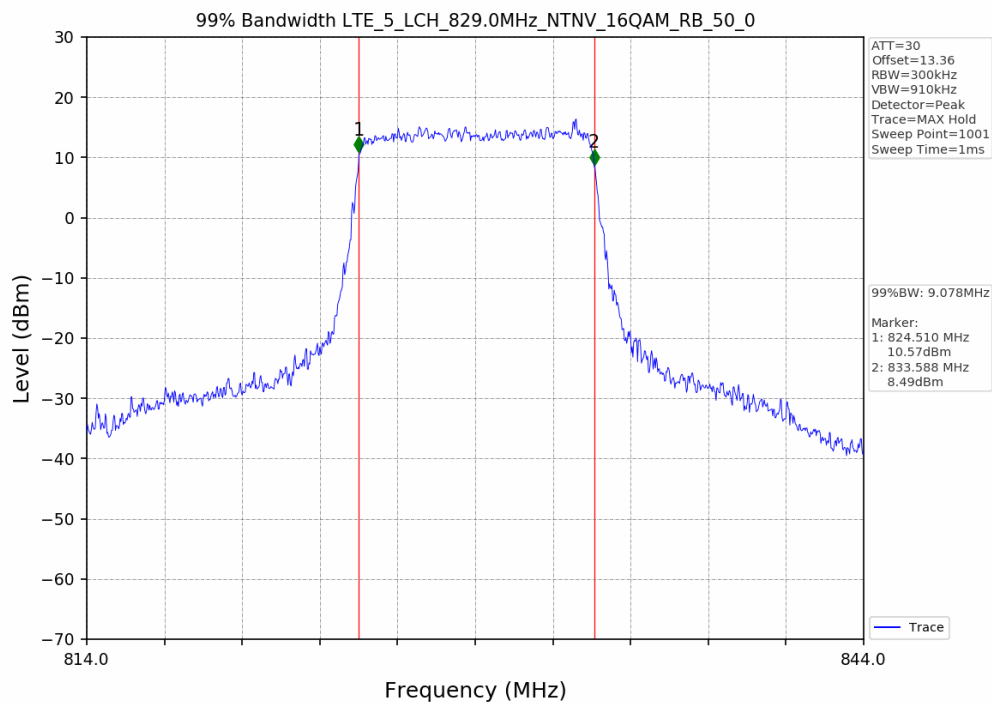


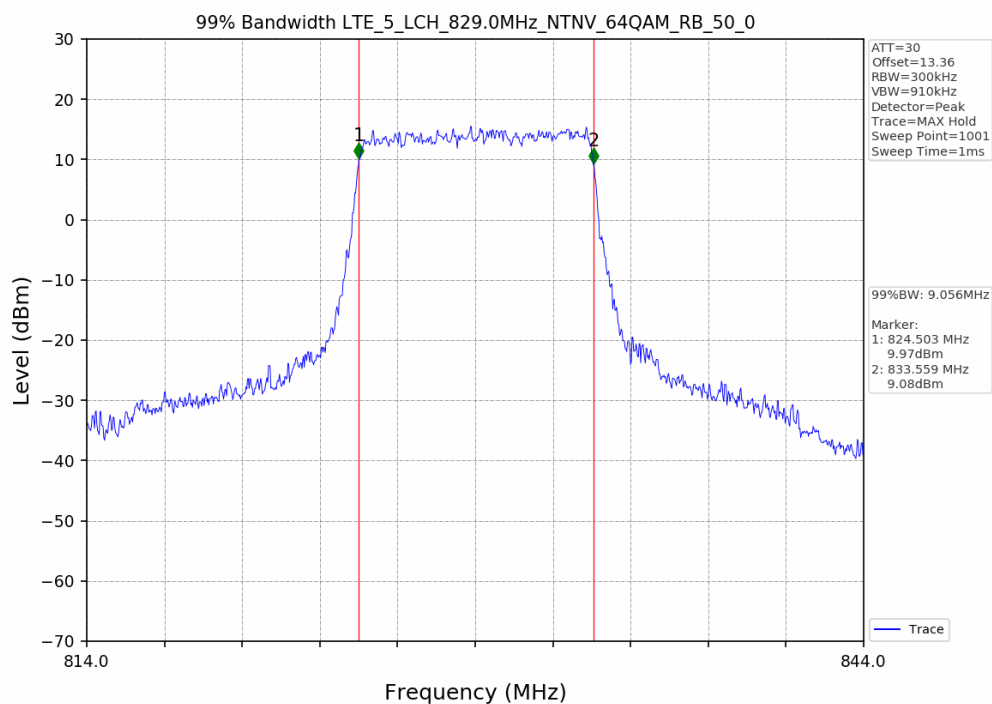
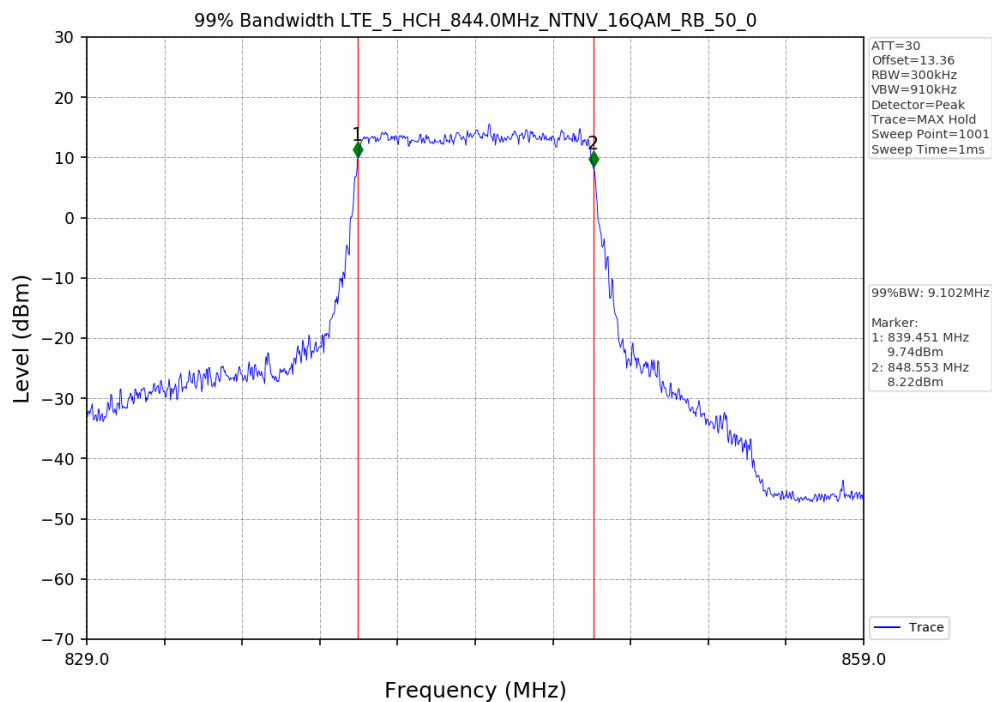


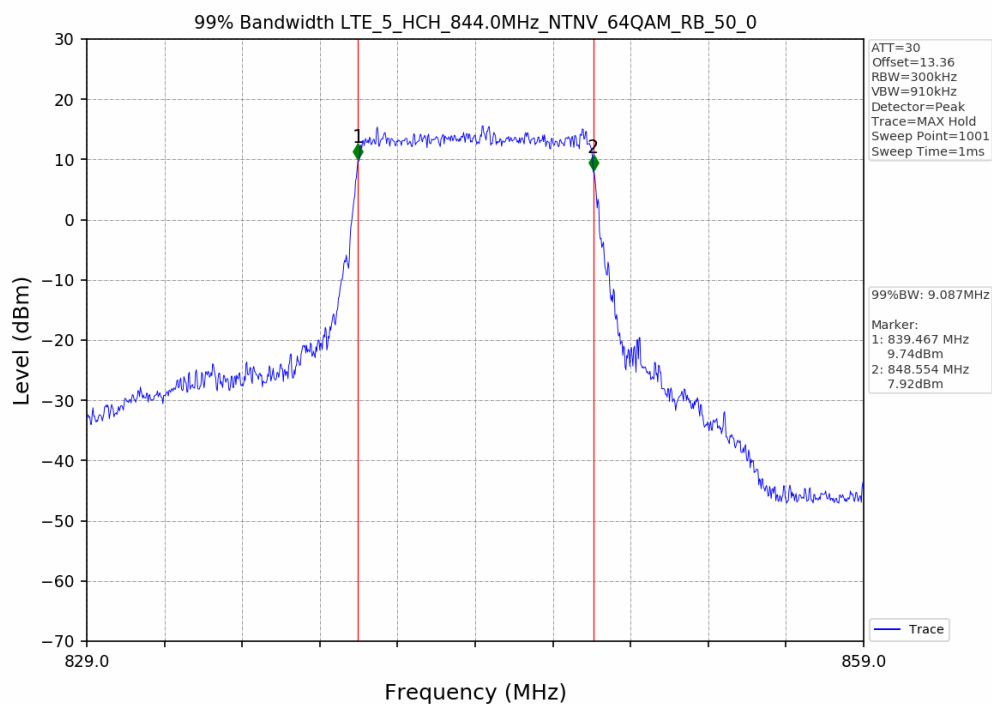
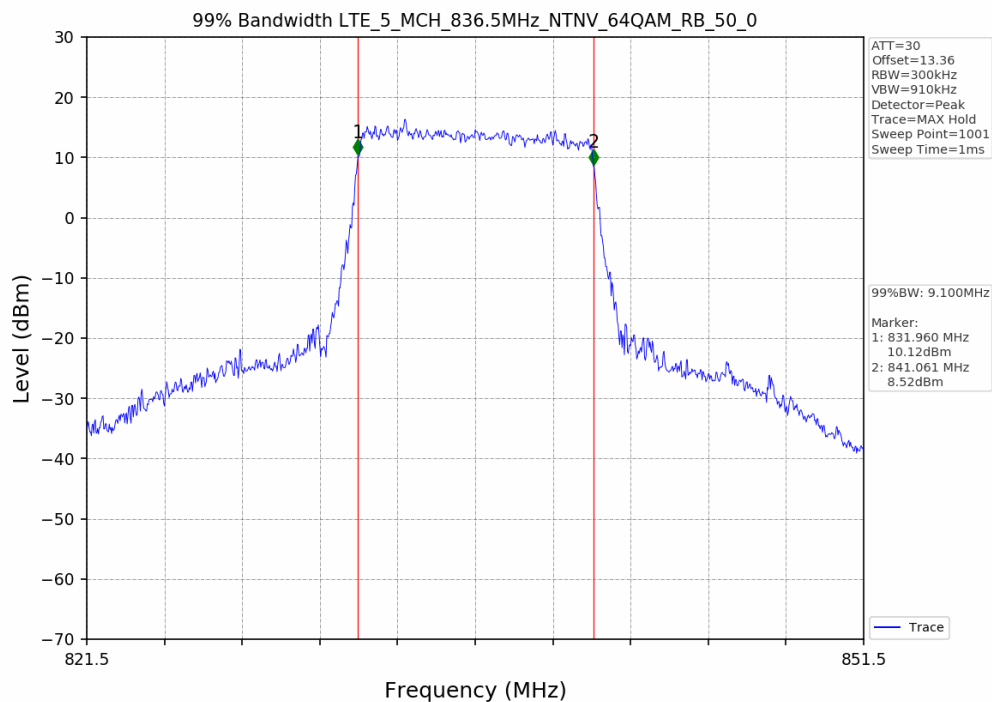


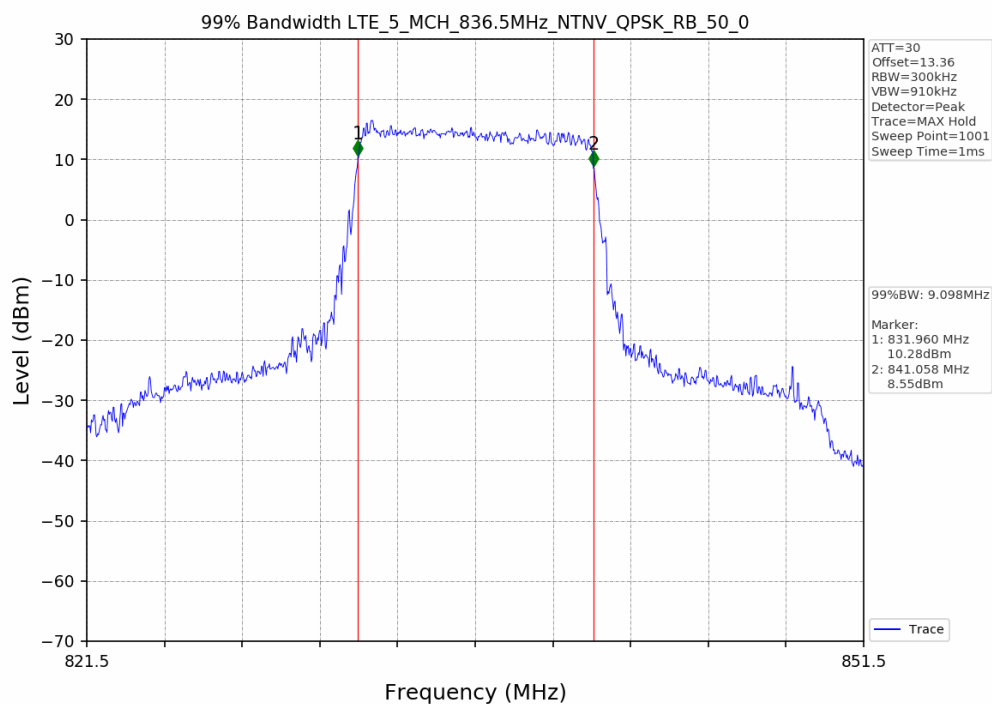
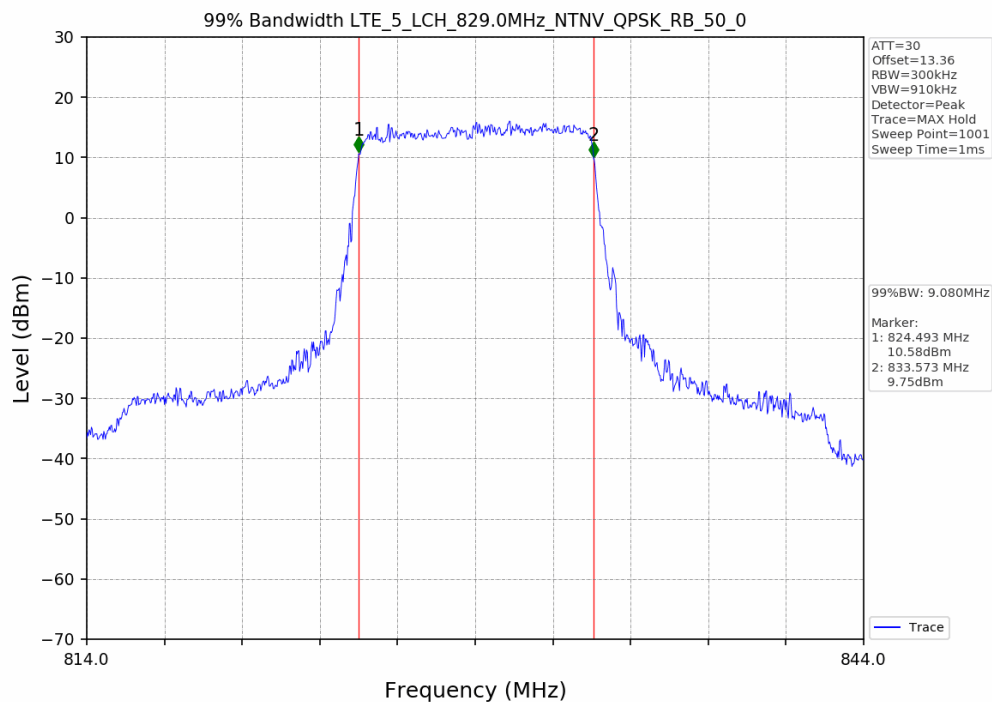
Test Band: 5_10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.080	9.098	9.103	N/A	PASS
16QAM	50	0	9.078	9.088	9.102	N/A	PASS
64QAM	50	0	9.056	9.100	9.087	N/A	PASS

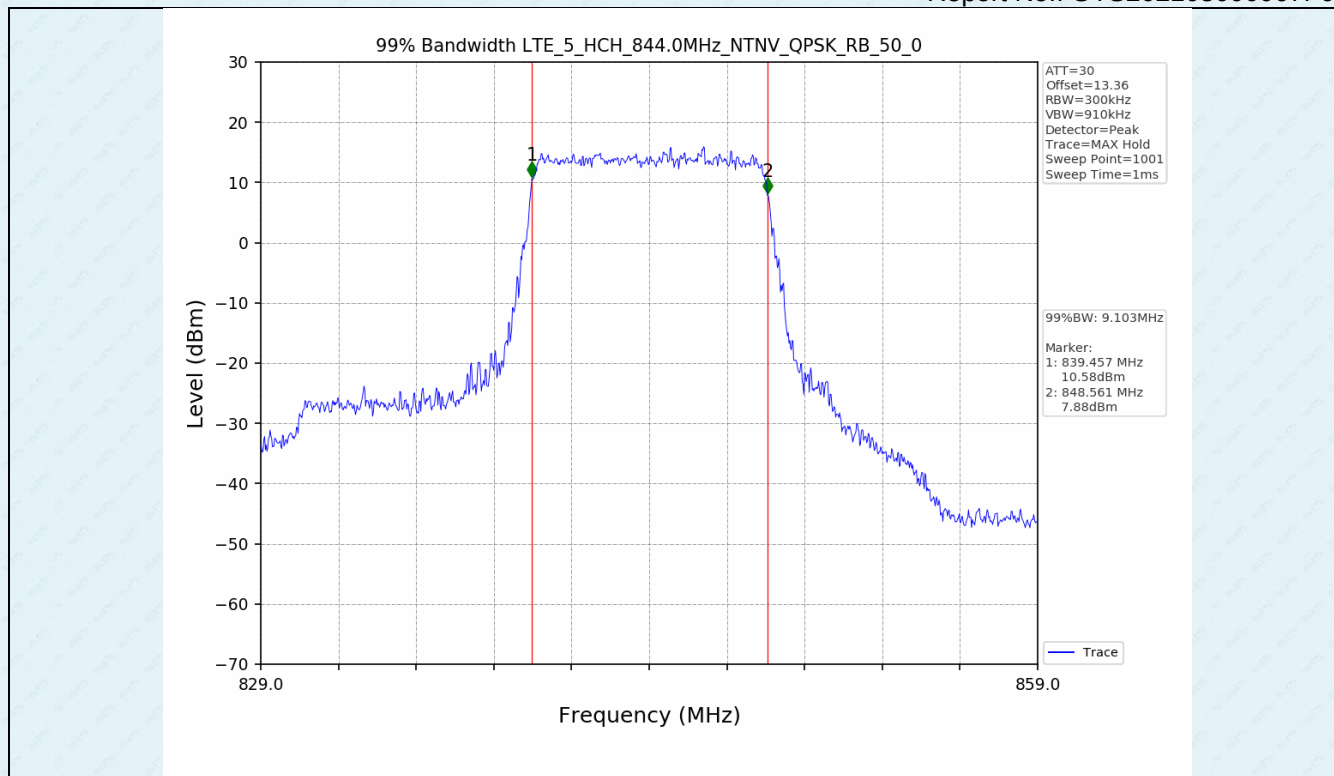
3.2 Test Graph





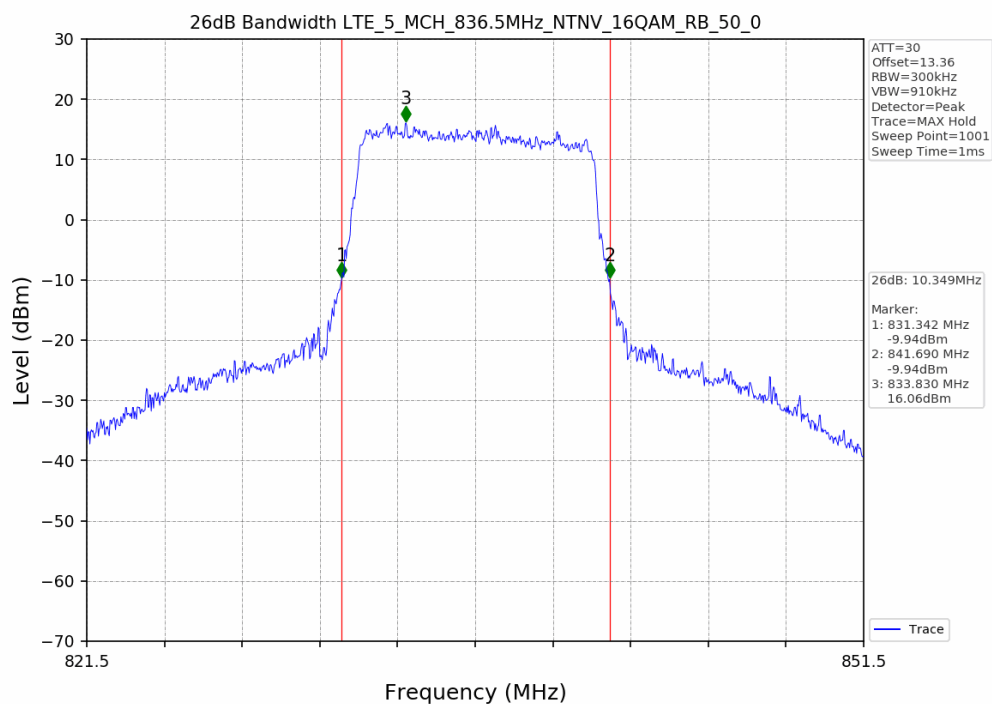
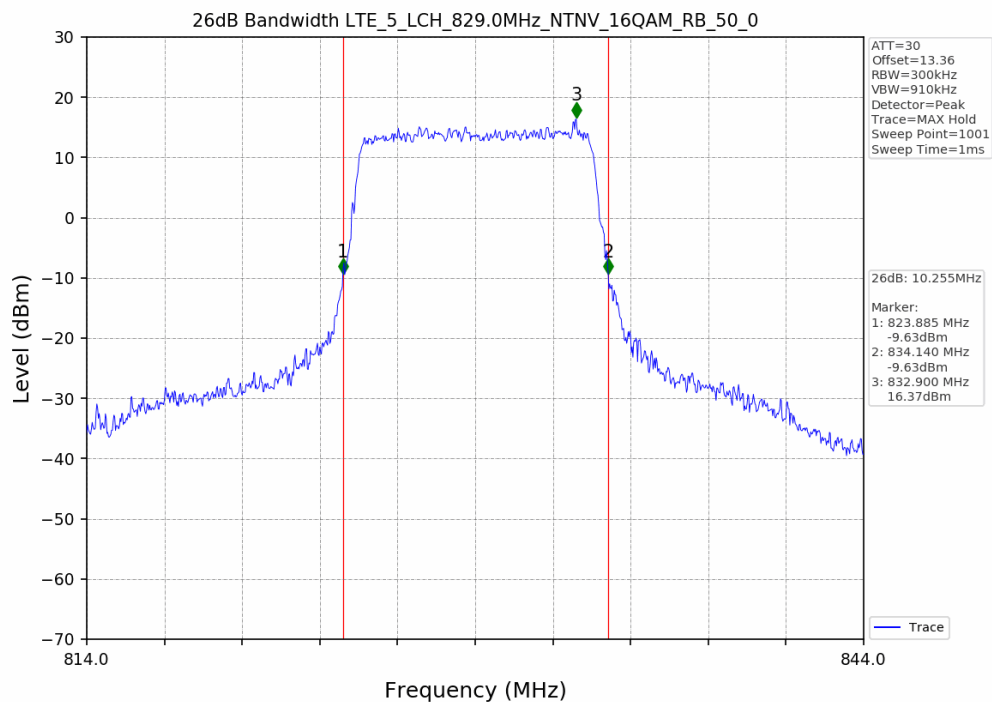


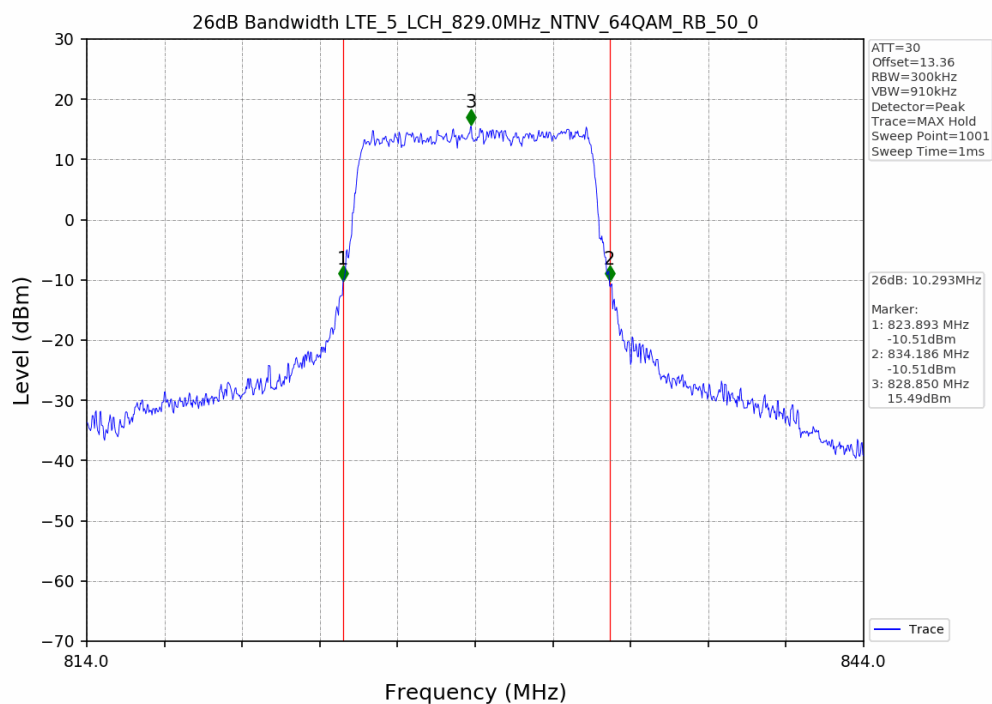
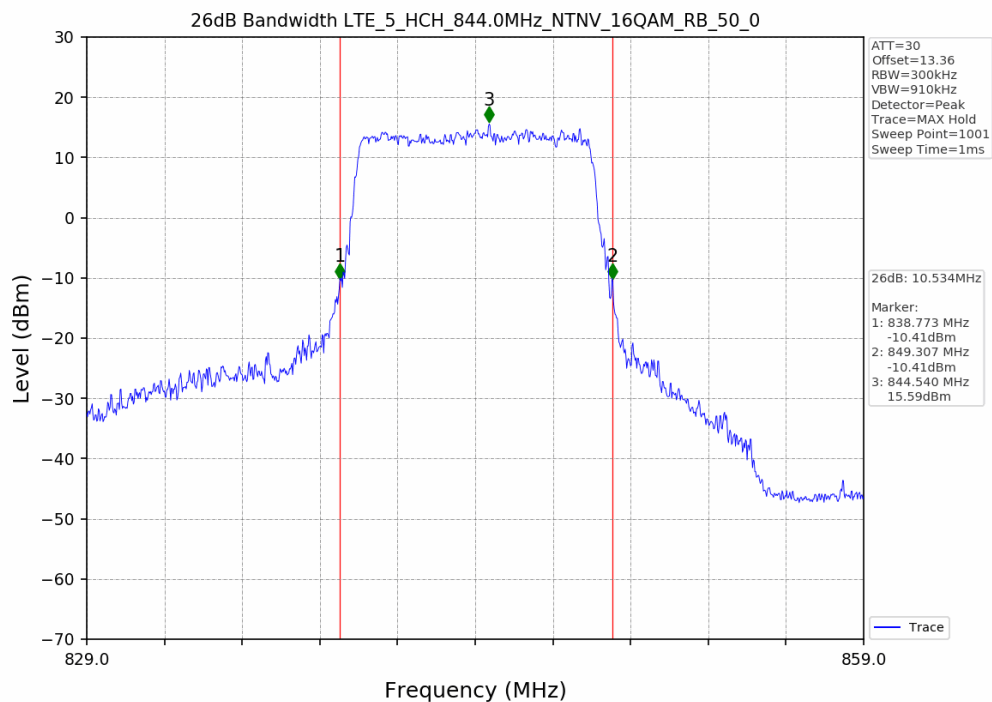


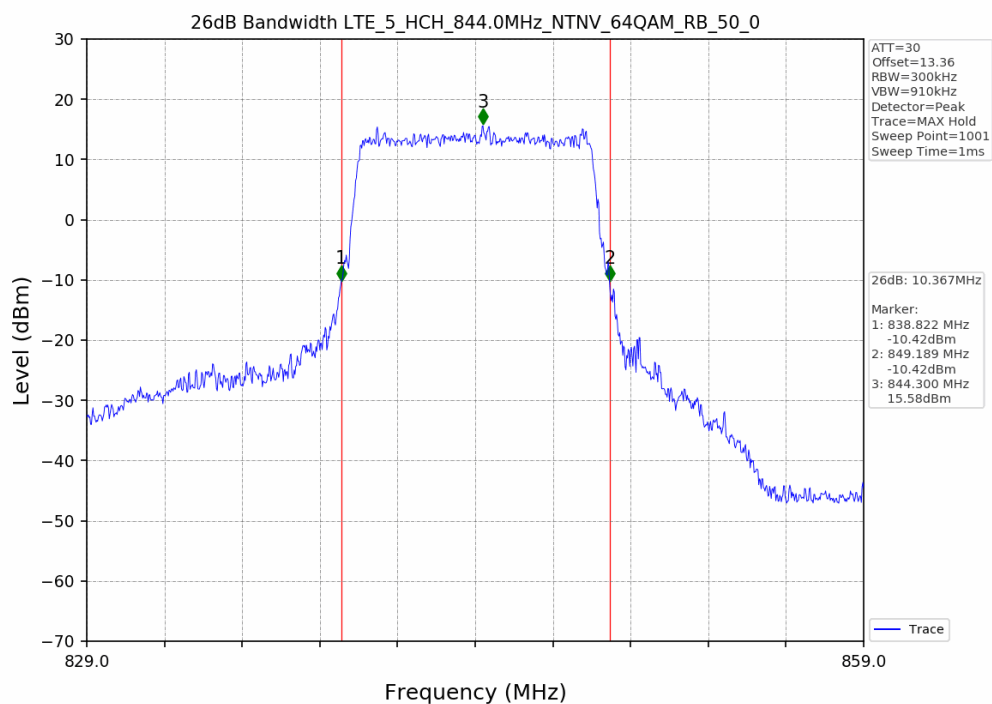
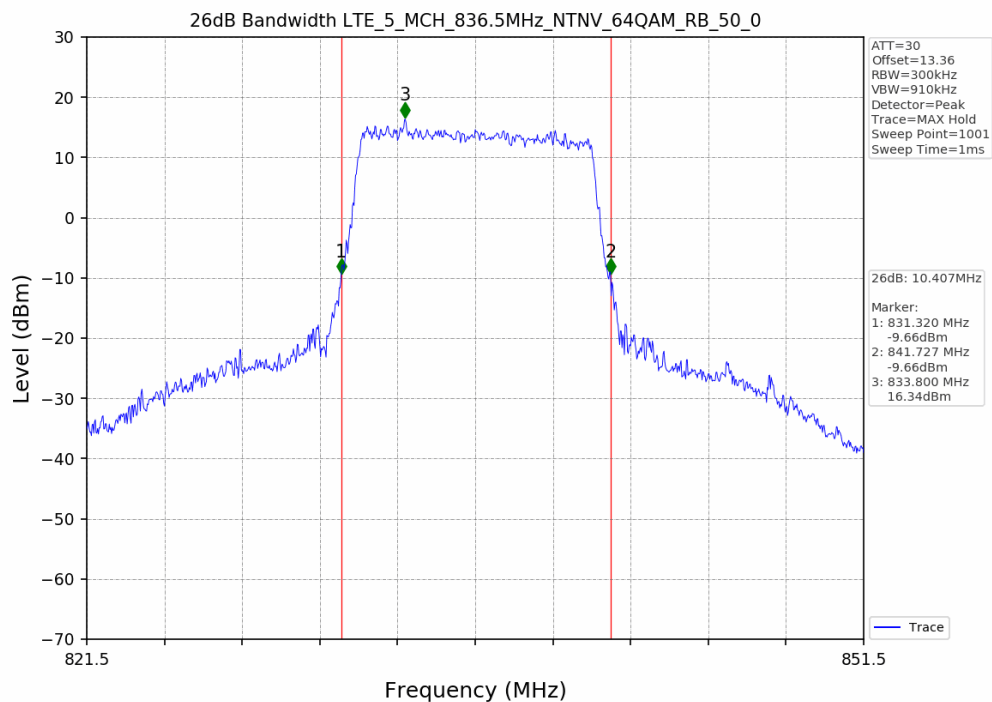


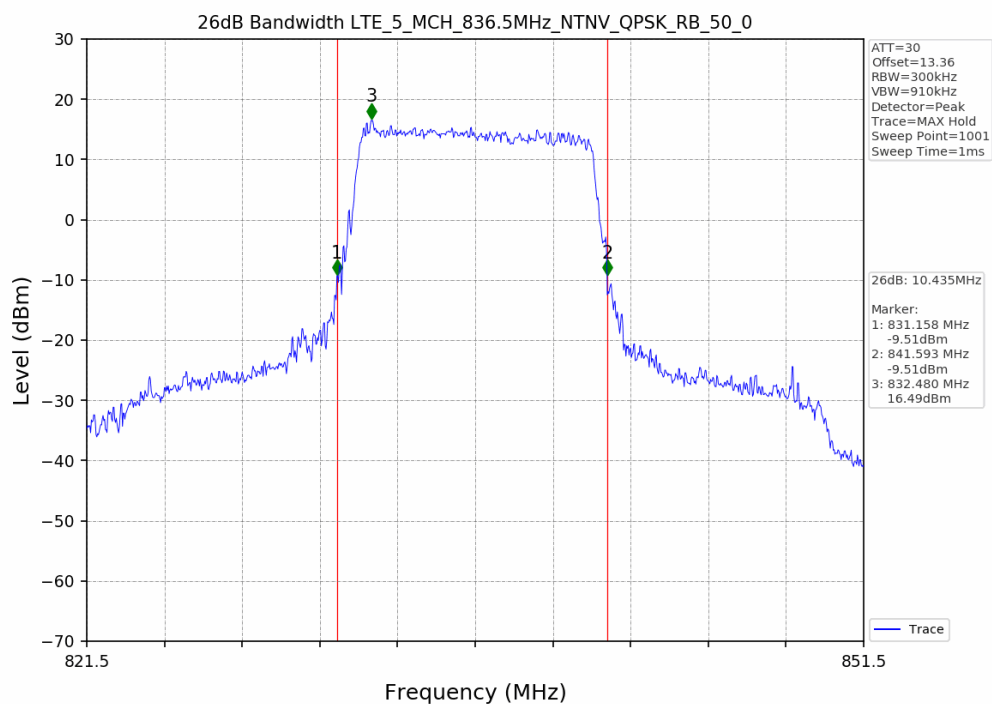
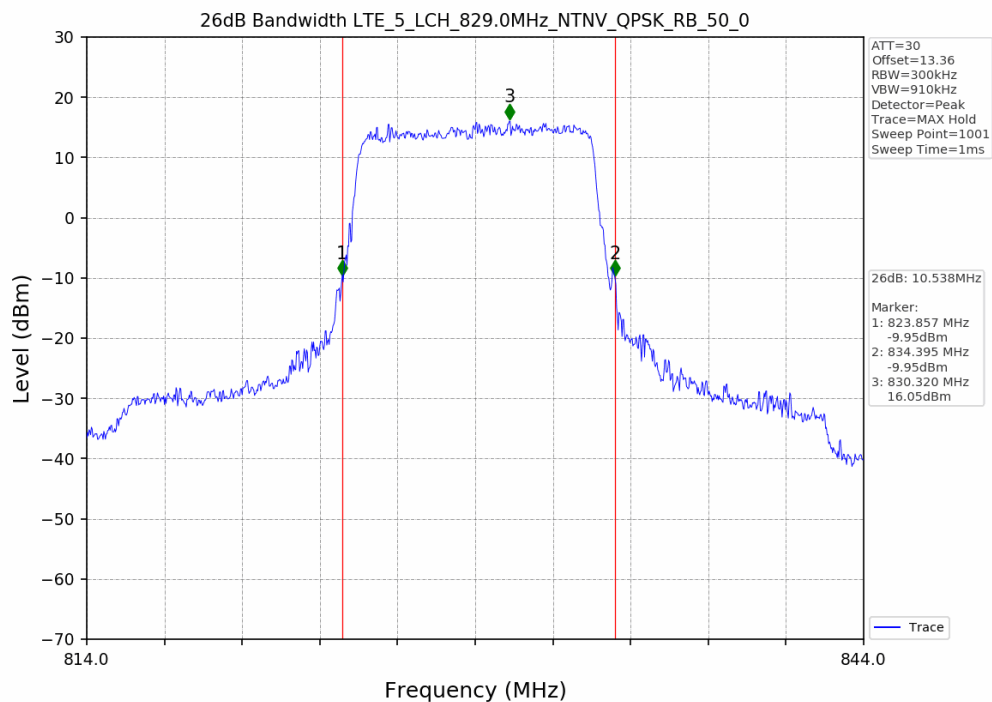
Test Band: 5_10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	10.538	10.435	10.378	N/A	PASS
16QAM	50	0	10.255	10.349	10.534	N/A	PASS
64QAM	50	0	10.293	10.407	10.367	N/A	PASS

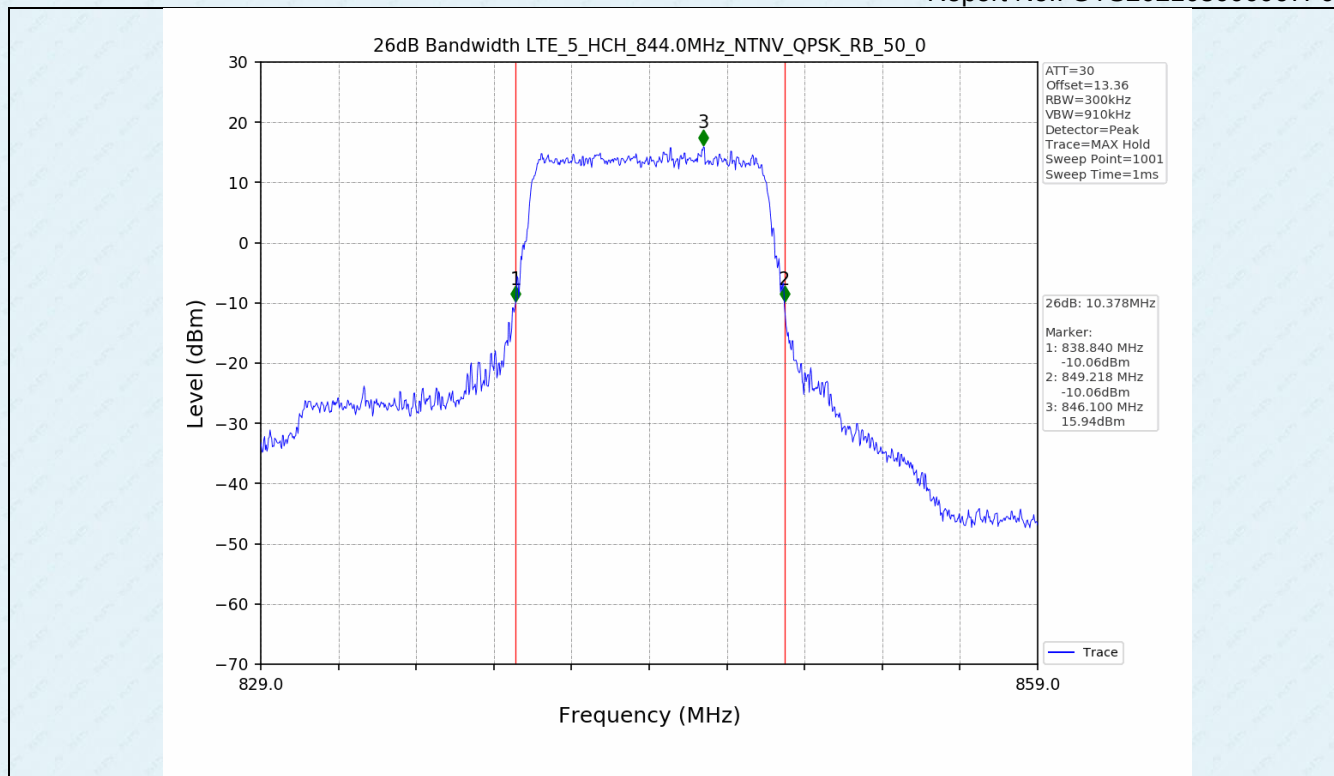
3.2 Test Graph









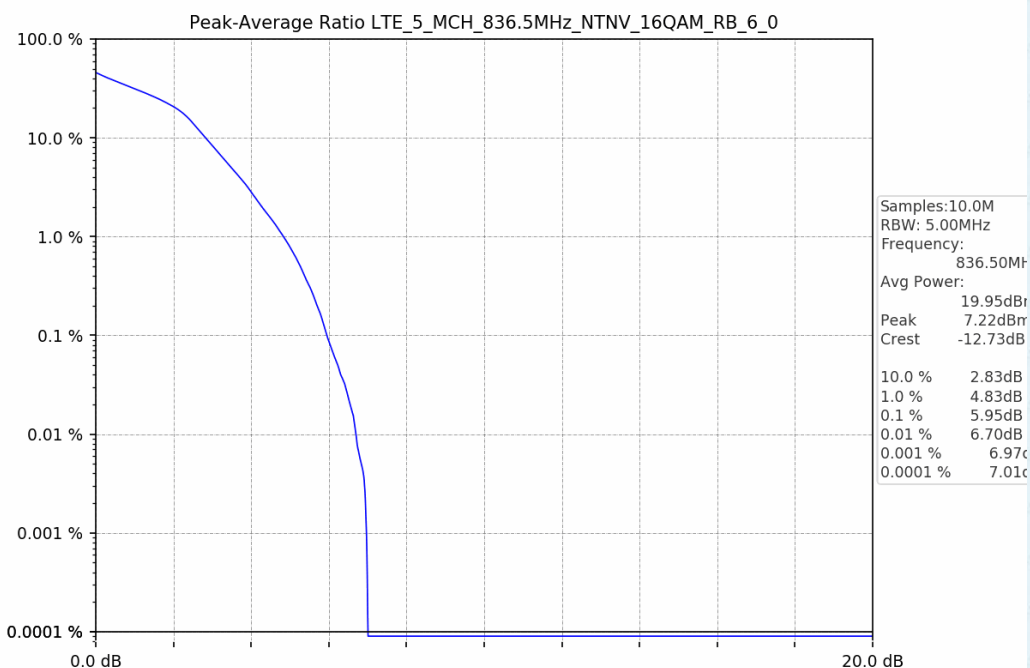
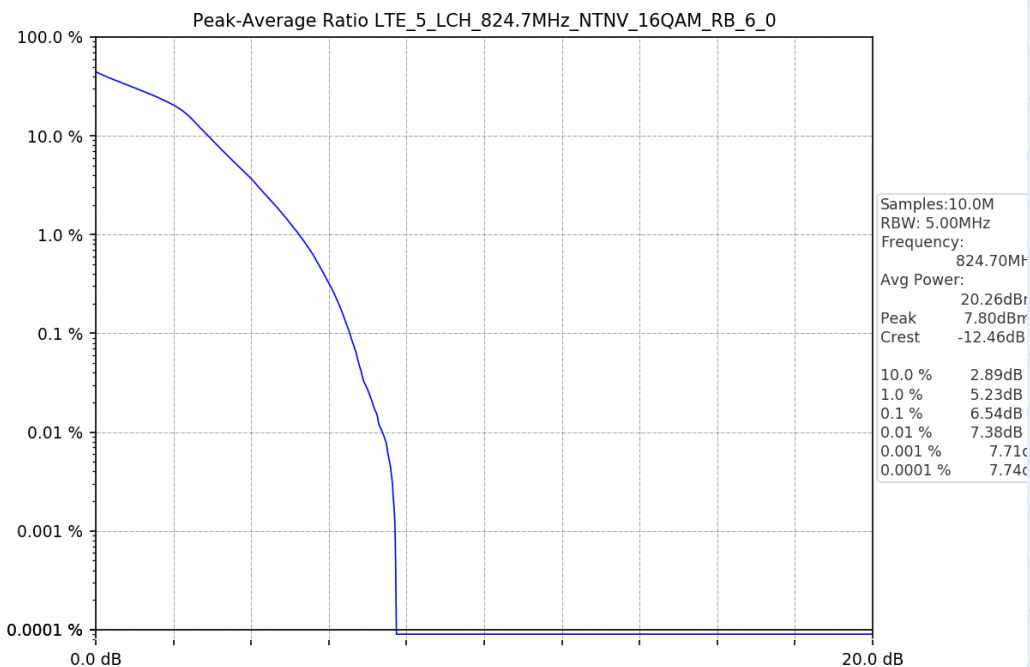


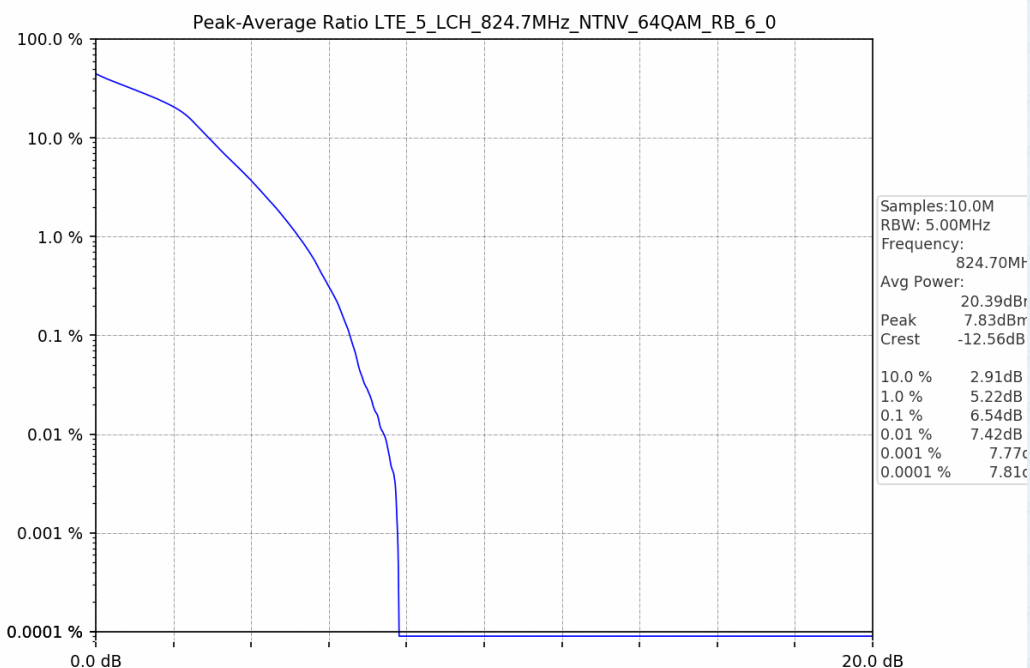
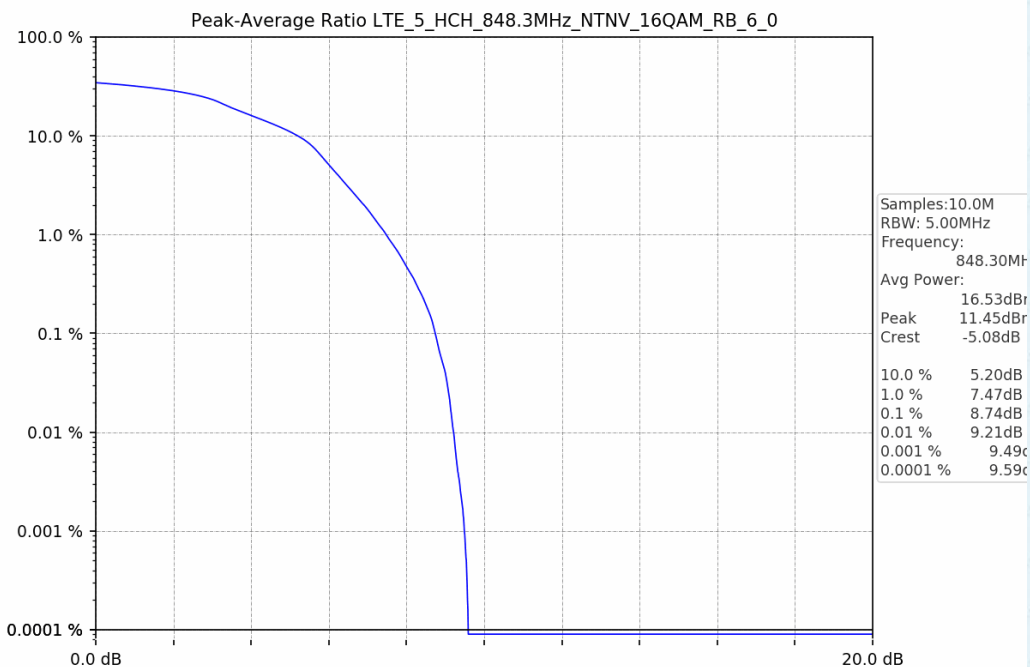
4. Peak-Average Ratio

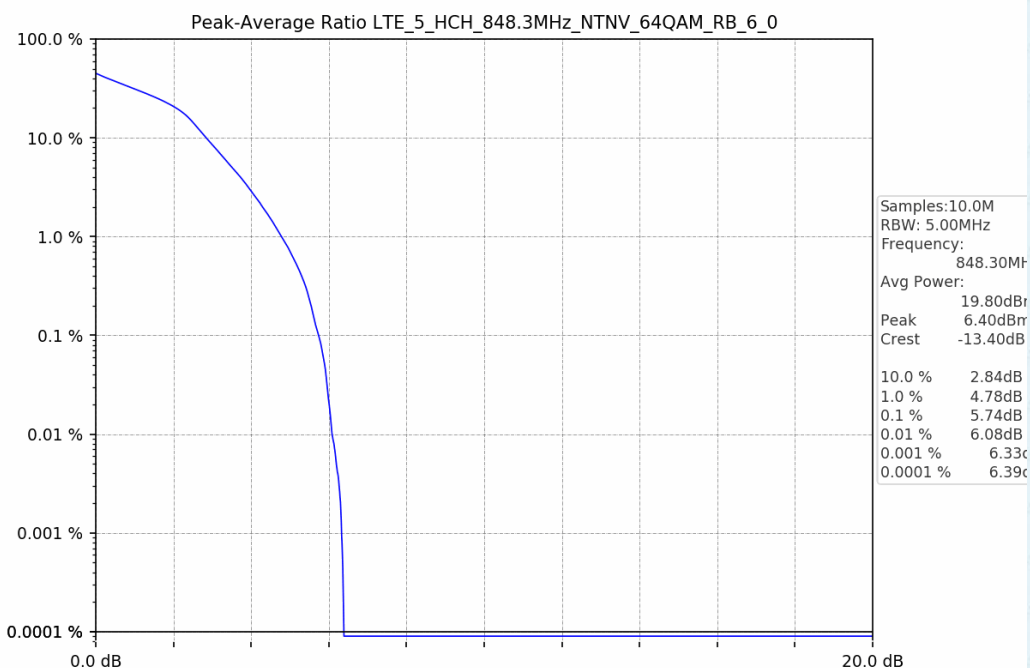
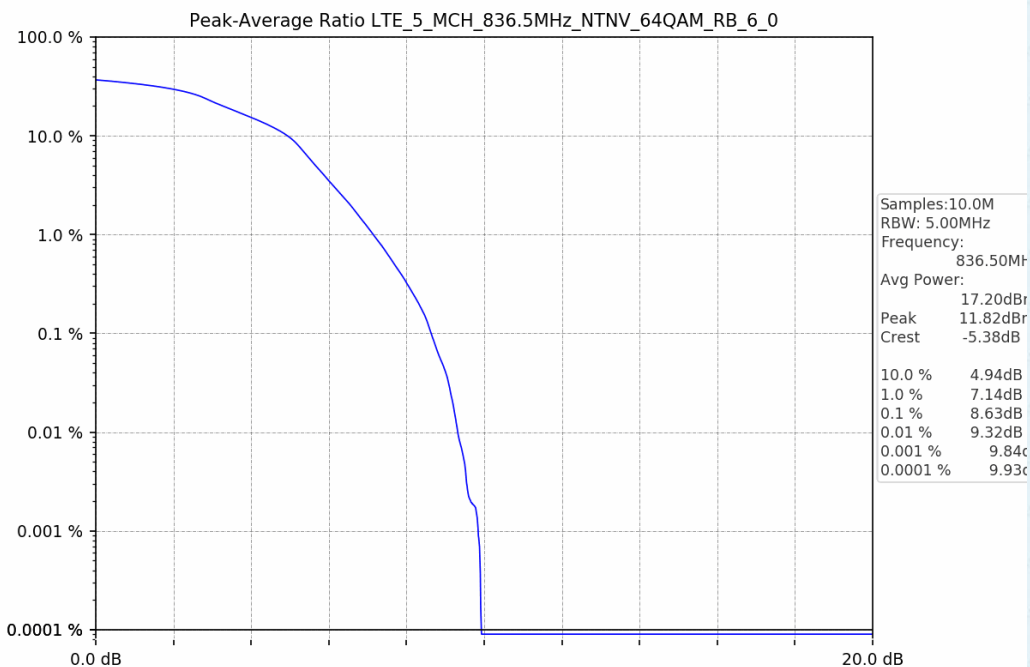
4.1 Test Result

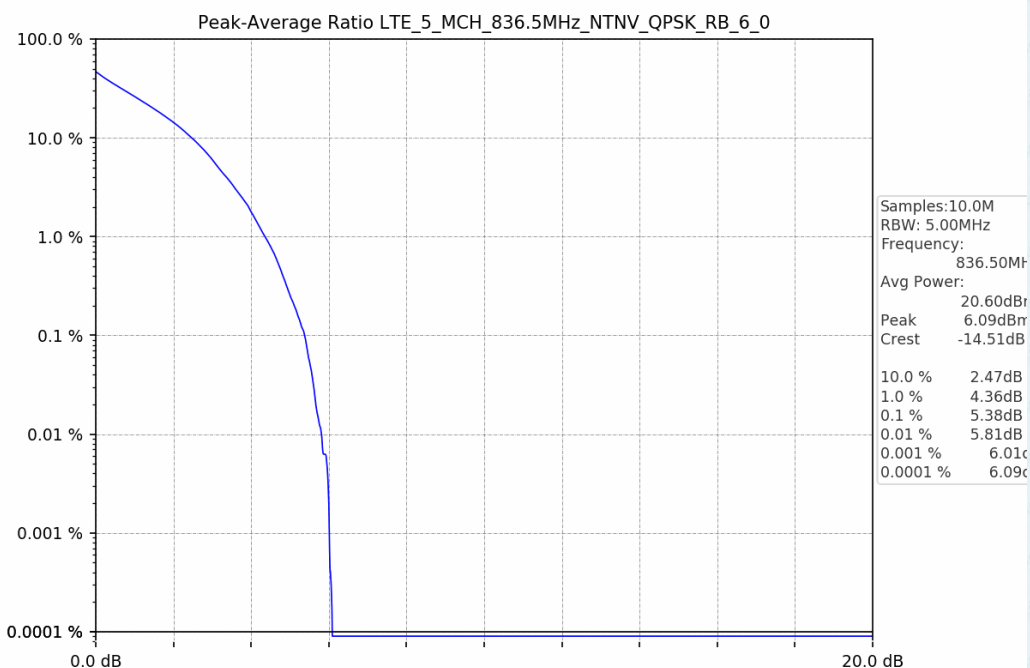
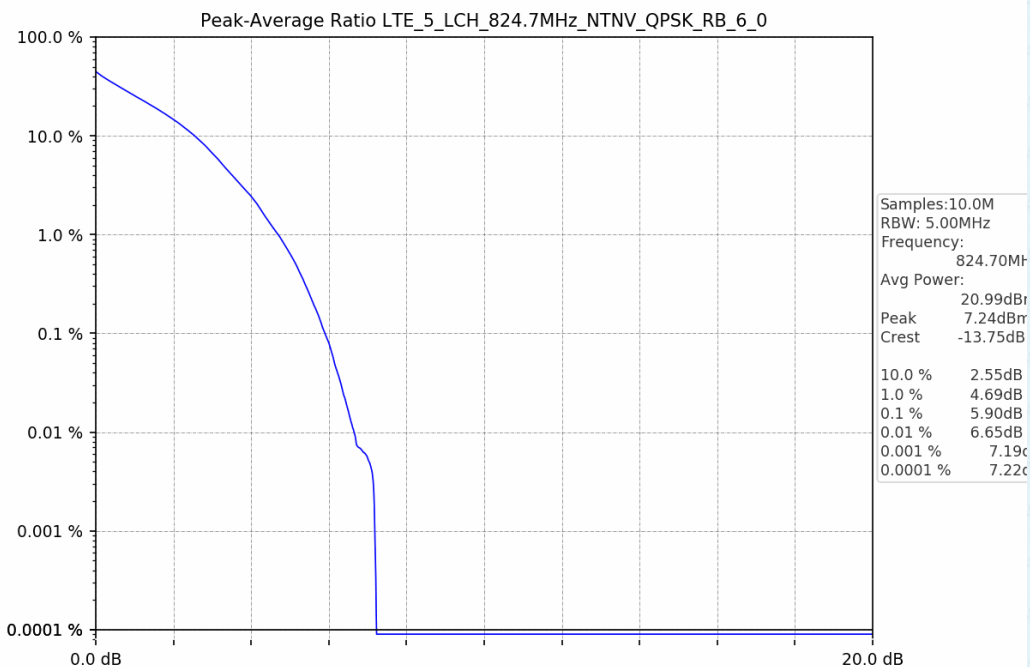
Test Band: 5 1.4MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	5.90	5.38	4.99	13	PASS
16QAM	6	0	6.54	5.95	8.74	13	PASS
64QAM	6	0	6.54	8.63	5.74	13	PASS

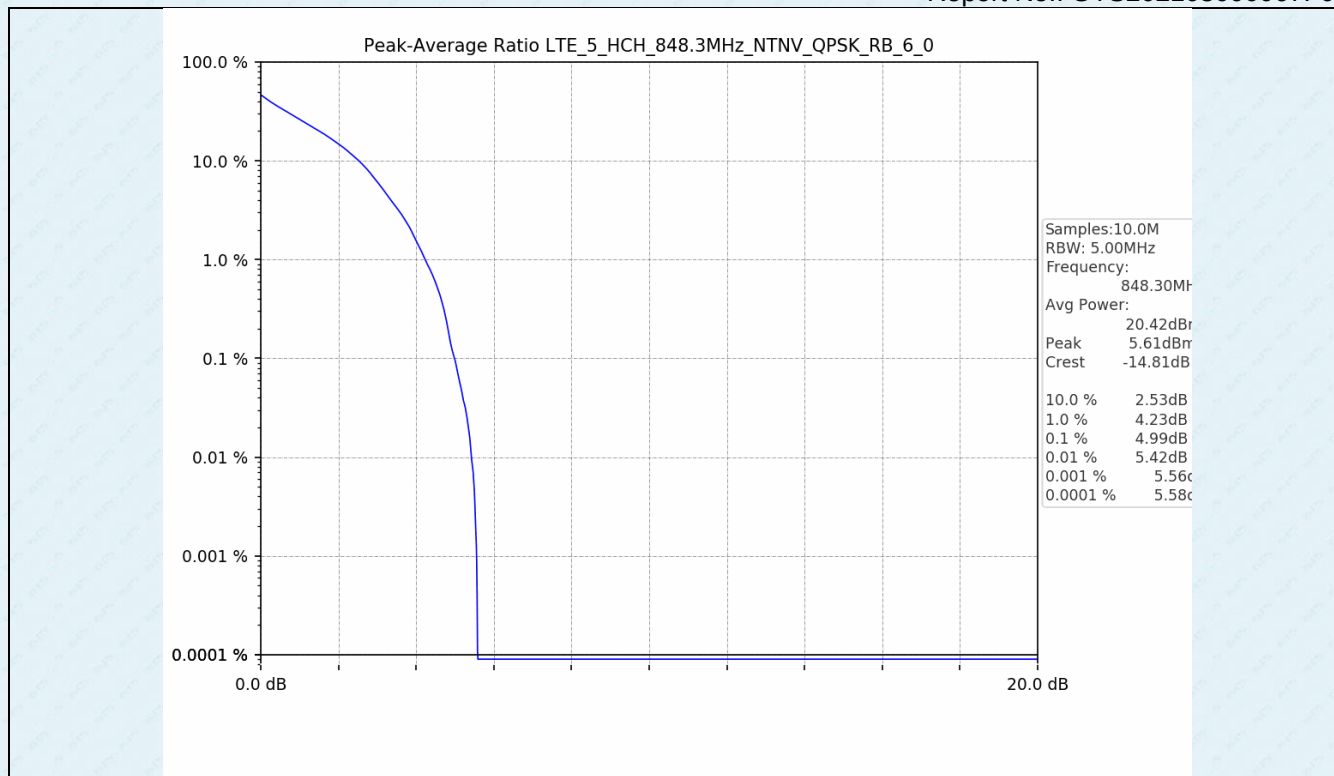
4.2 Test Graph





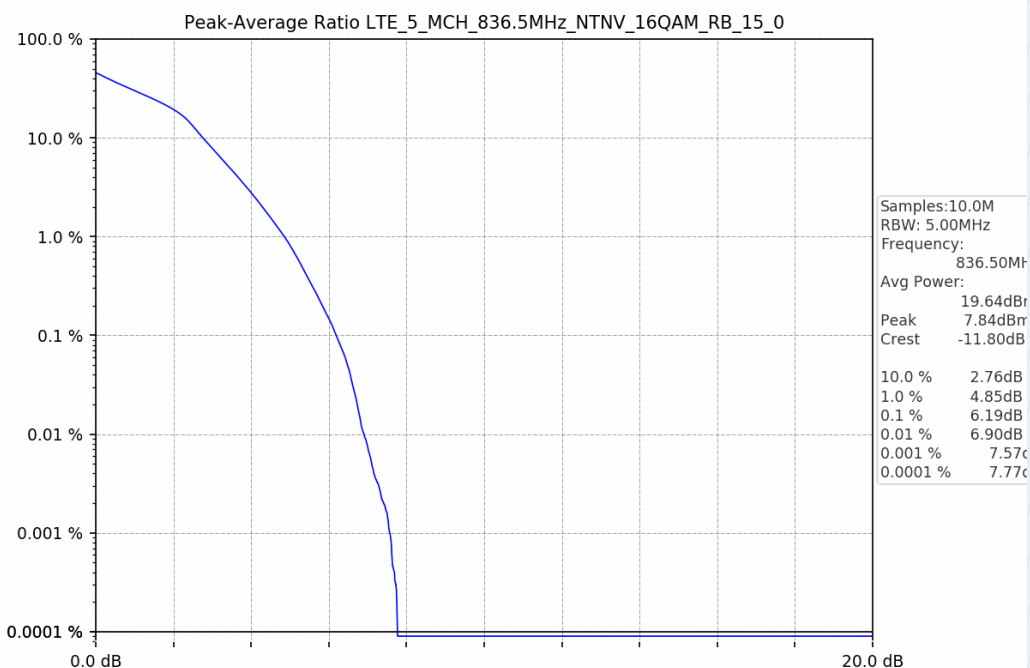
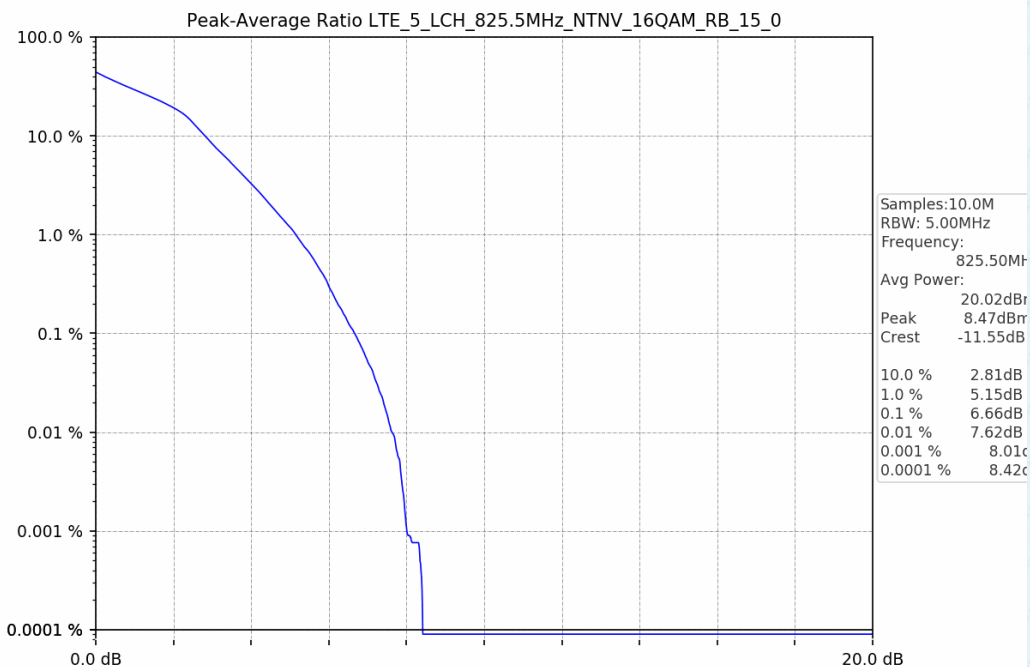


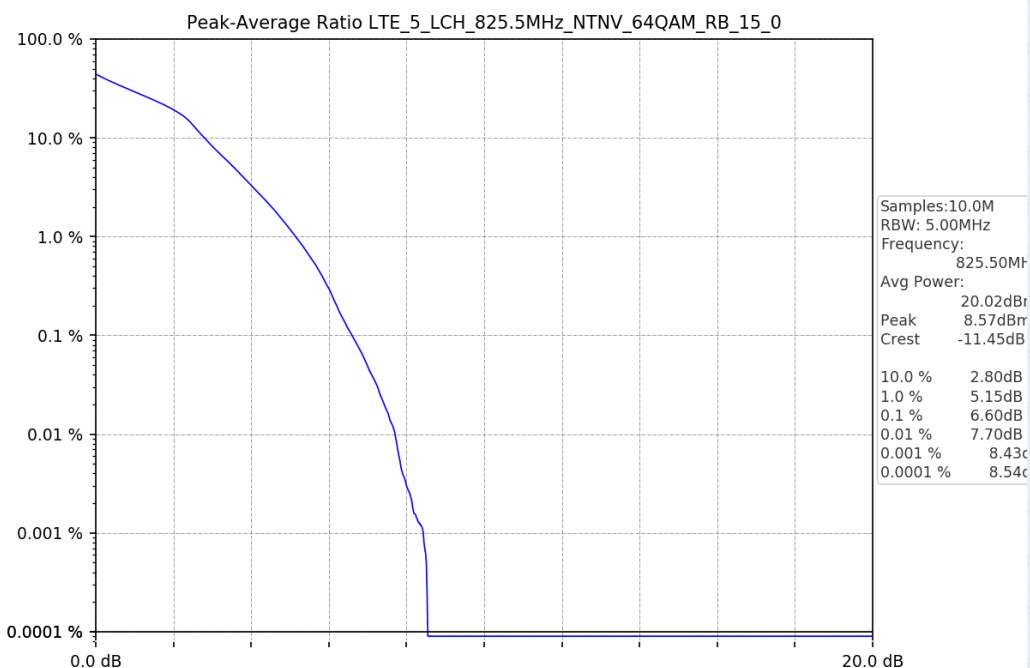
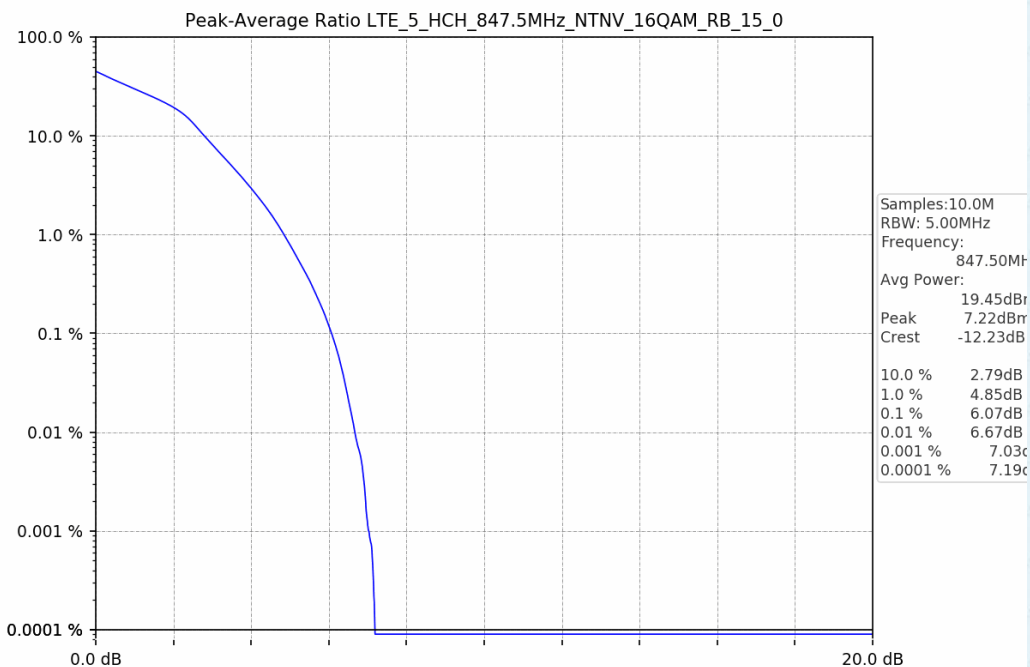


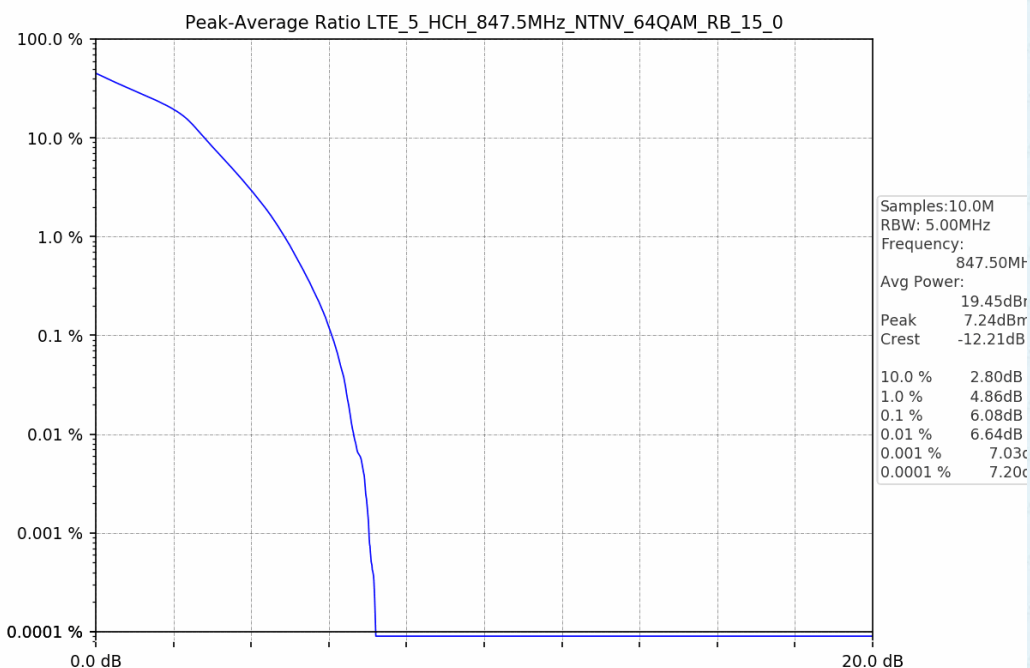
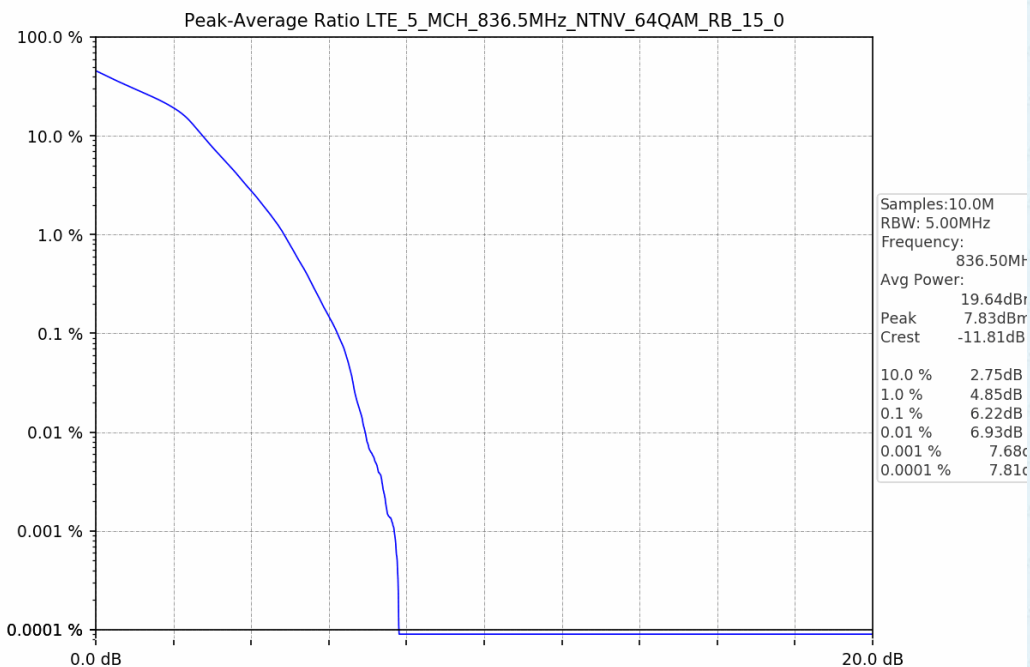


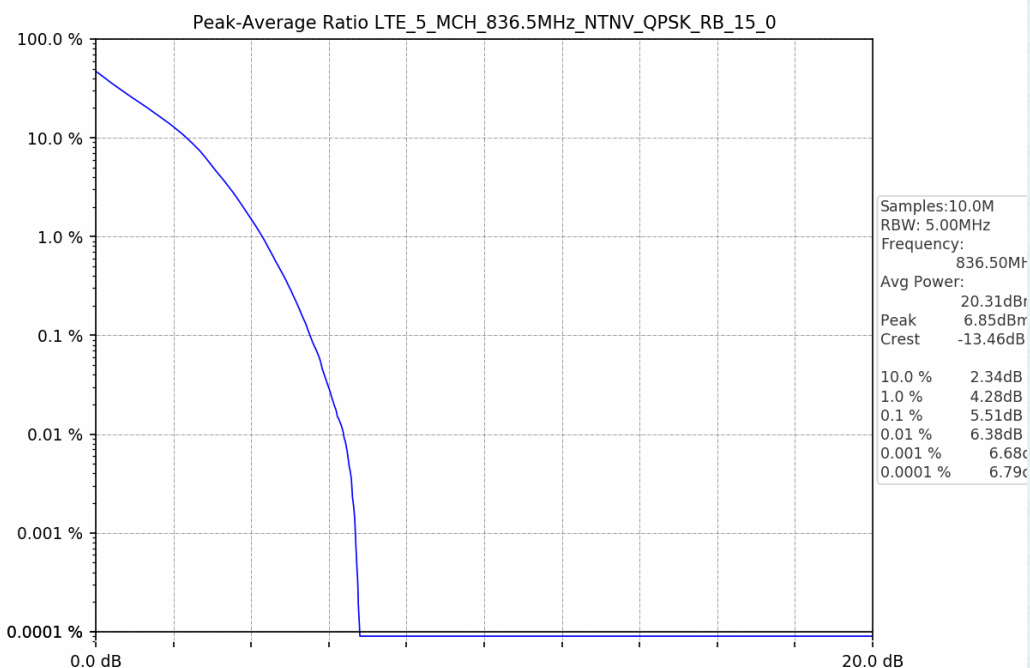
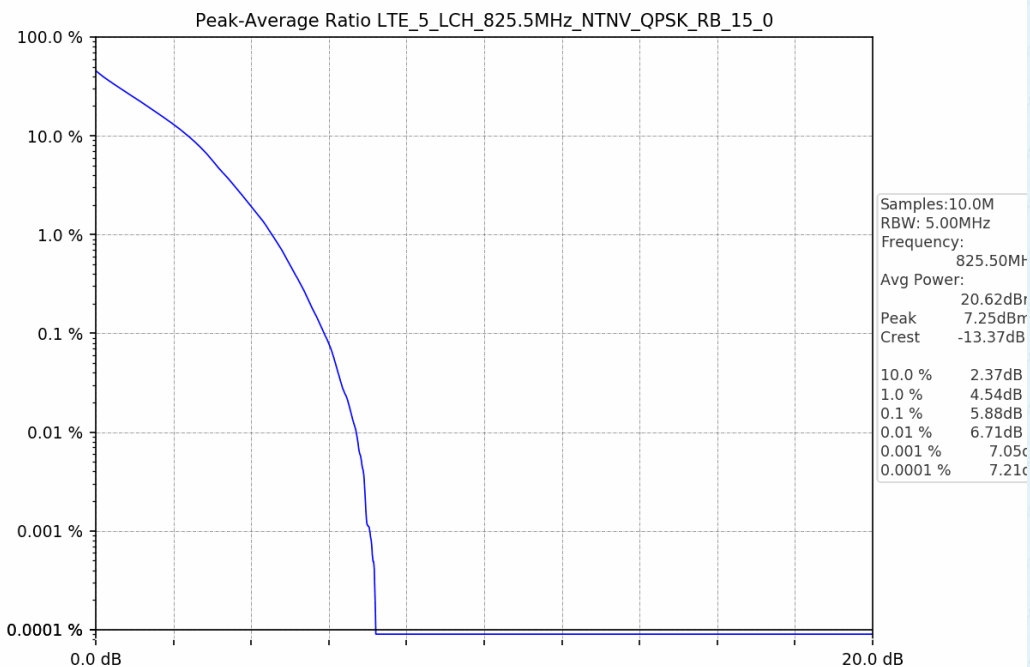
Test Band: 5 3MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	5.88	5.51	5.39	13	PASS
16QAM	15	0	6.66	6.19	6.07	13	PASS
64QAM	15	0	6.60	6.22	6.08	13	PASS

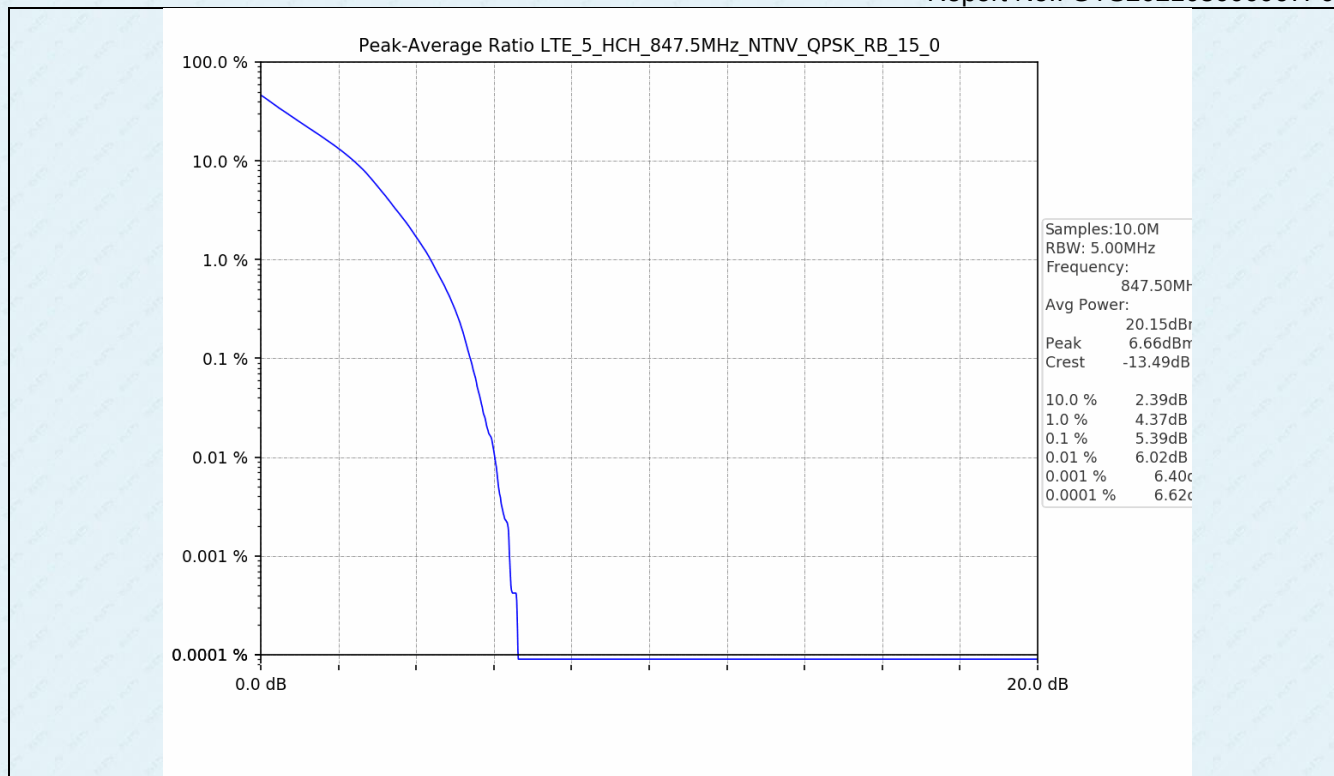
4.2 Test Graph





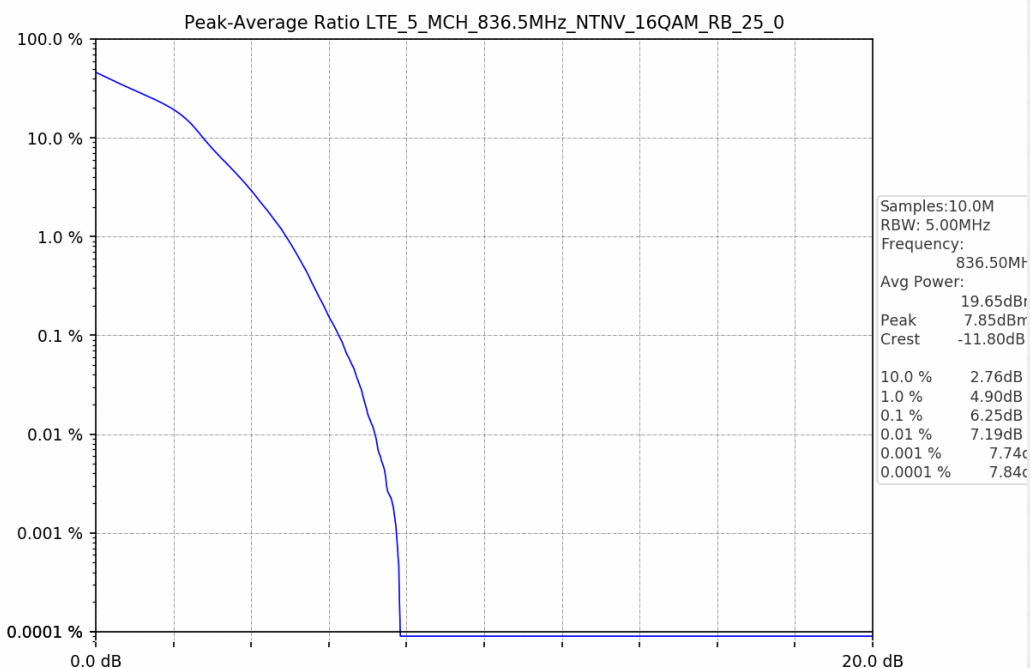
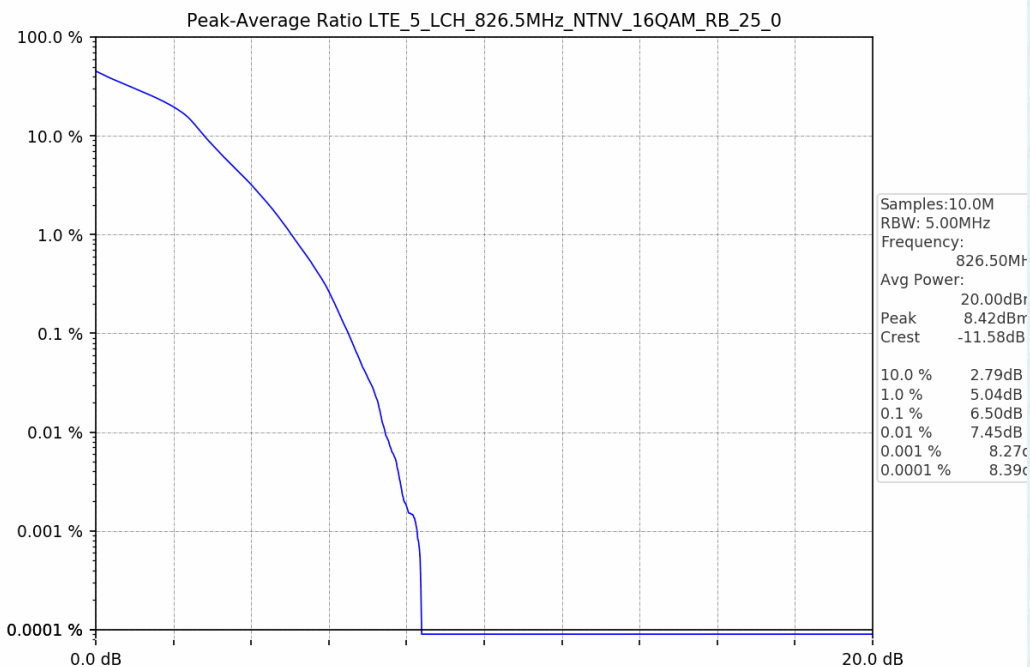


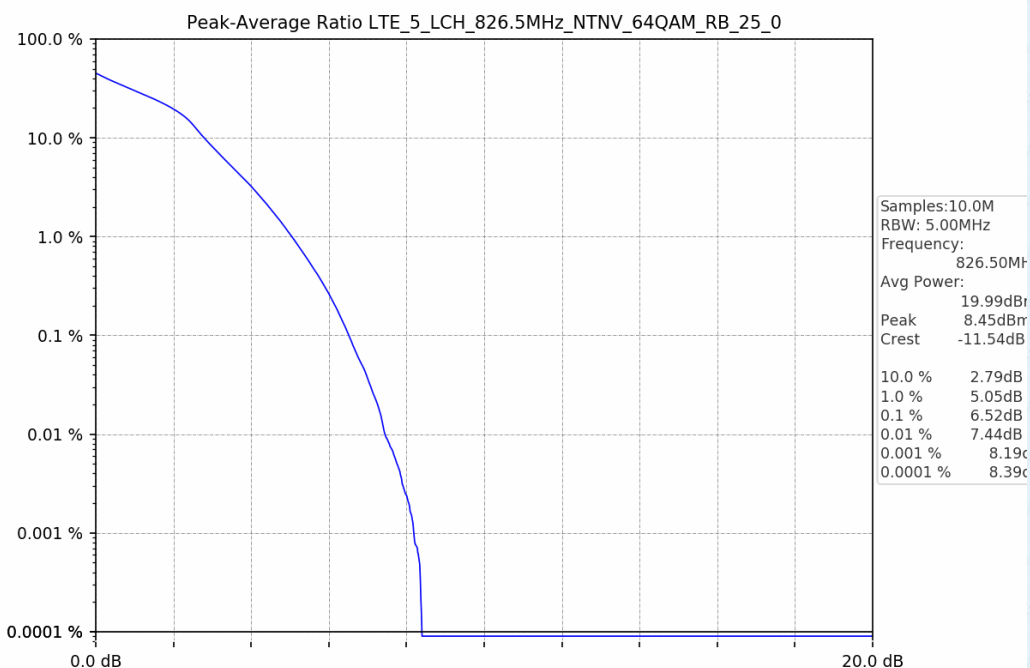
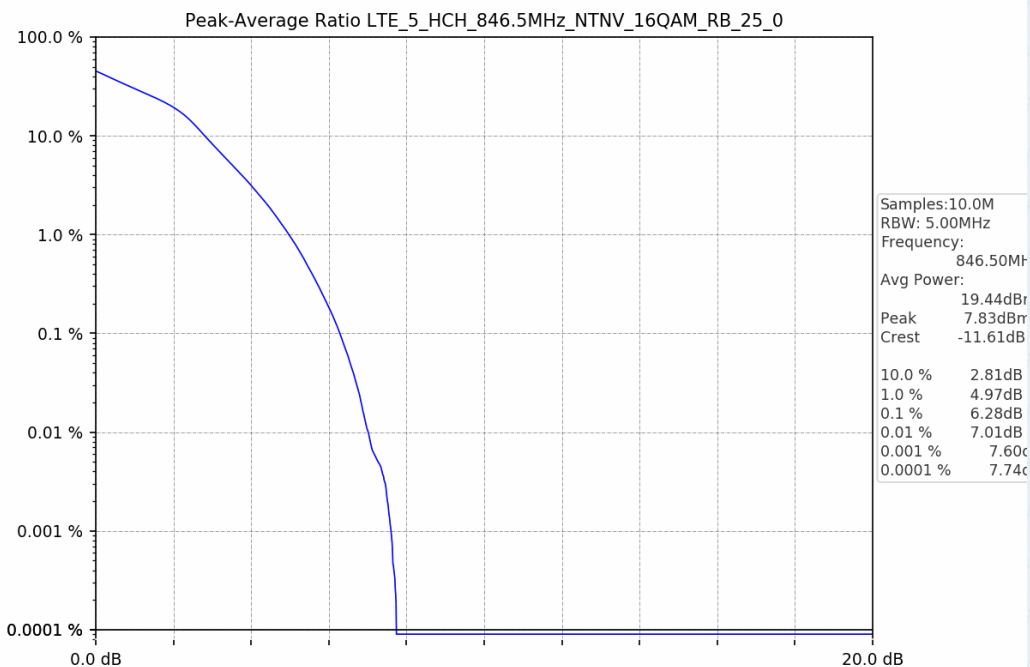


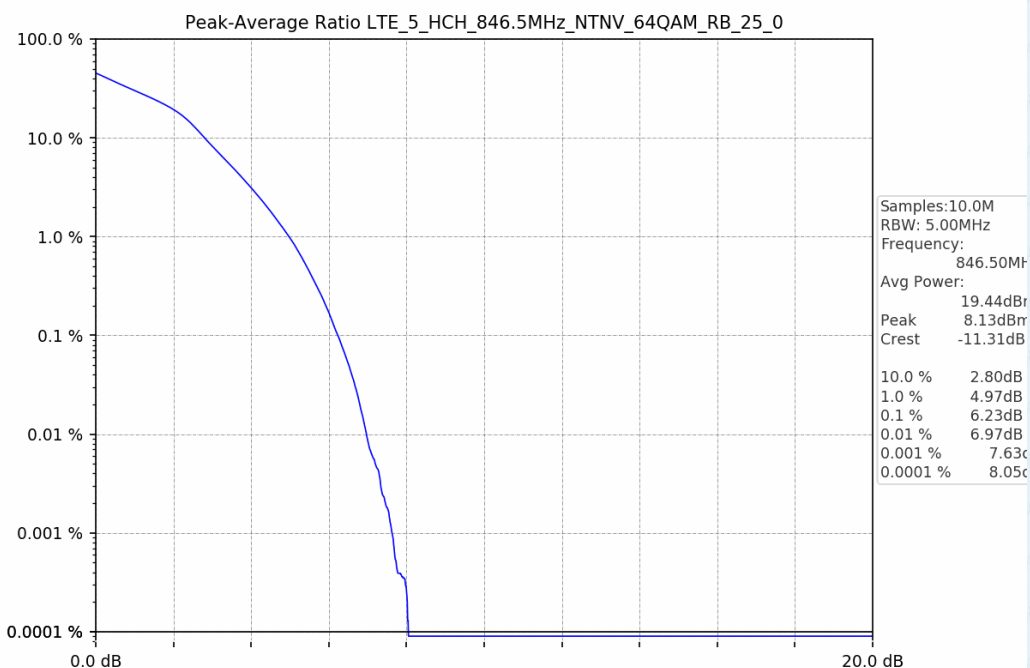
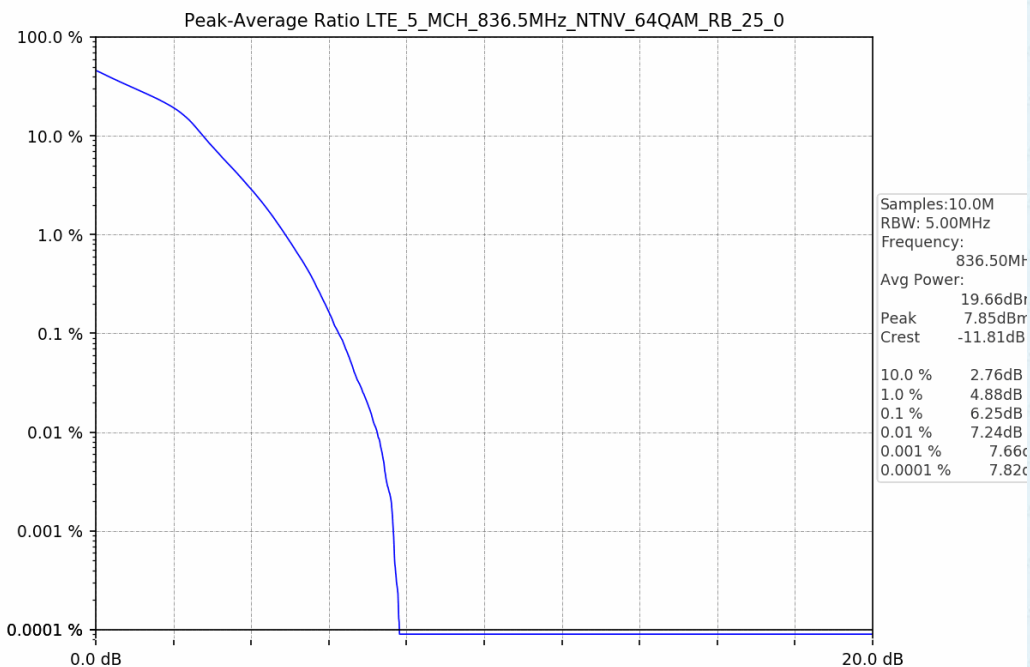


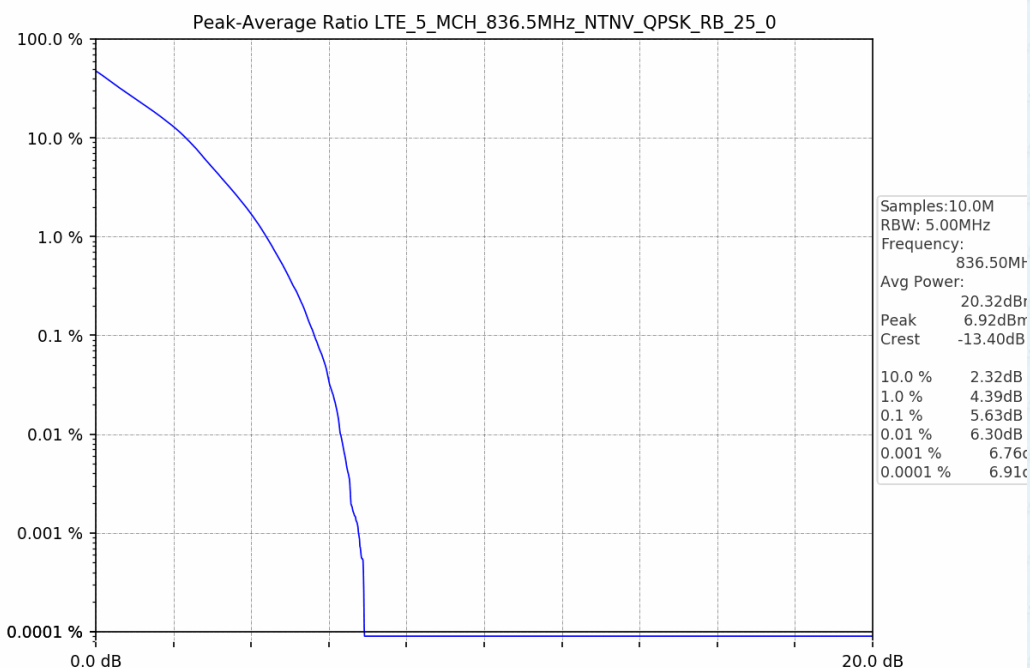
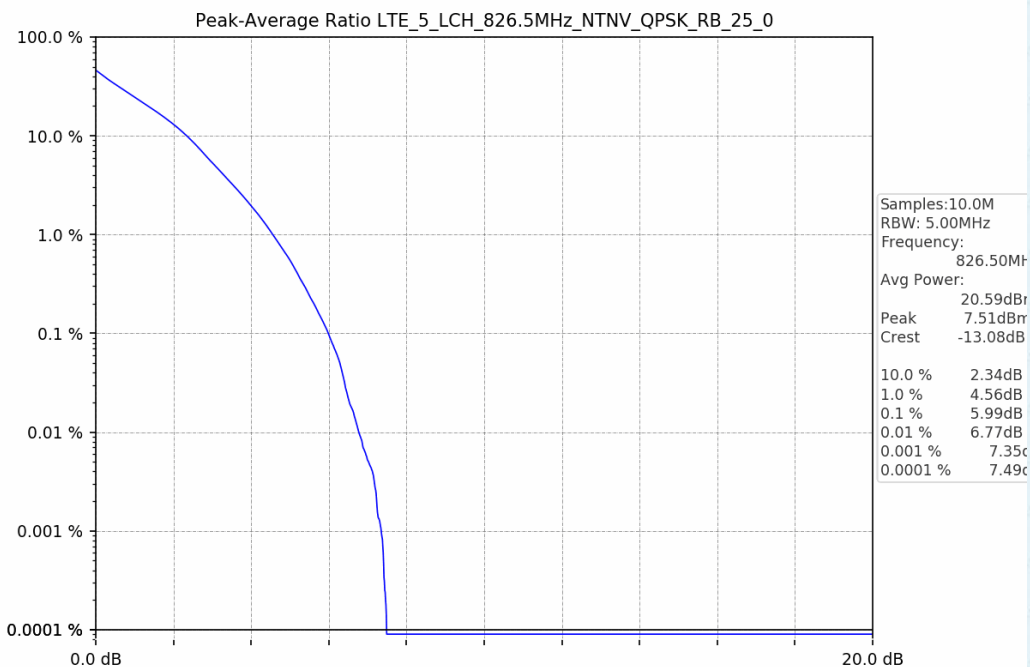
Test Band: 5 5MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.99	5.63	5.67	13	PASS
16QAM	25	0	6.50	6.25	6.28	13	PASS
64QAM	25	0	6.52	6.25	6.23	13	PASS

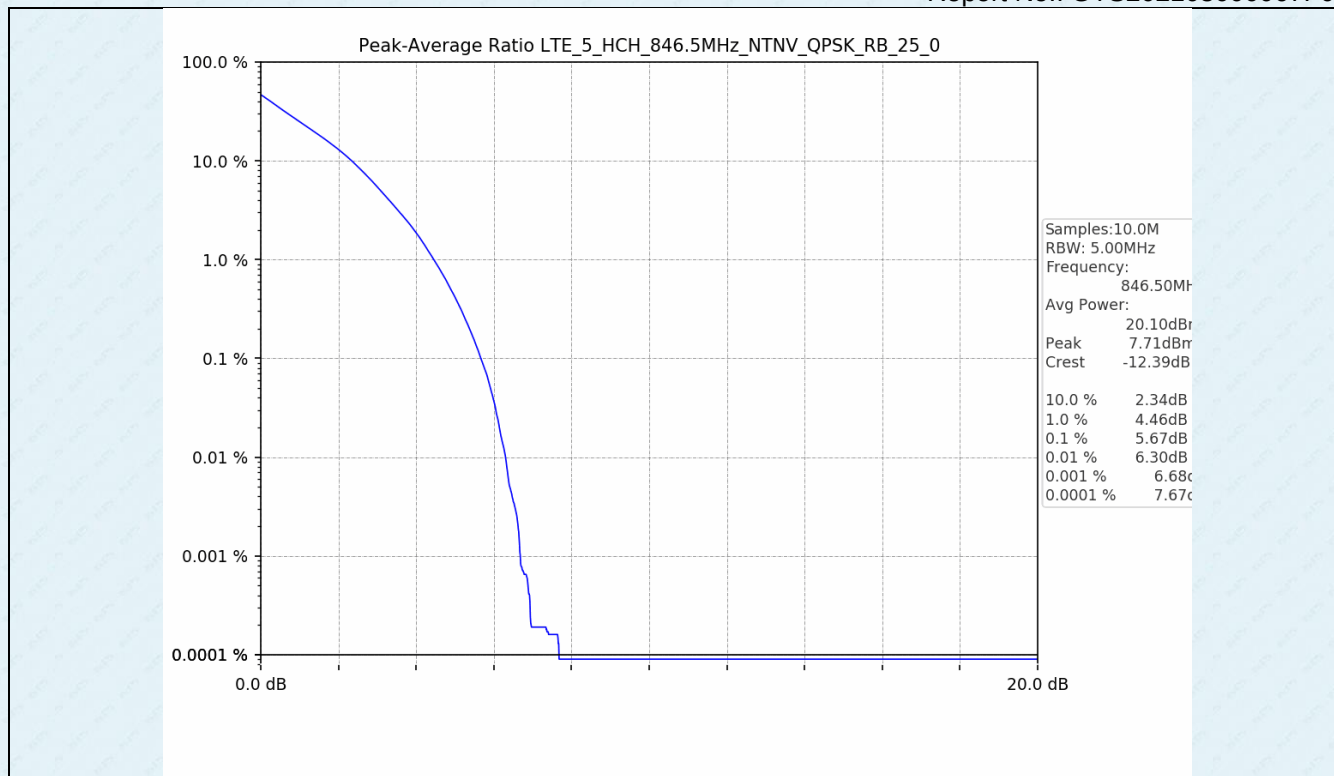
4.2 Test Graph











Test Band: 5_10MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	6.06	5.99	6.13	13	PASS
16QAM	50	0	6.79	6.70	6.70	13	PASS
64QAM	50	0	6.79	6.70	6.71	13	PASS

4.2 Test Graph