

Appendix for LTE_Band_2

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: 2 1.4MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	22.56	22.55	22.70	/	5.00	27.56	27.55	27.70	33.01	PASS
		2	22.56	22.57	22.69	/	5.00	27.56	27.57	27.69	33.01	PASS
		5	22.59	22.56	22.72	/	5.00	27.59	27.56	27.72	33.01	PASS
	3	0	22.70	22.68	23.08	/	5.00	27.70	27.68	28.08	33.01	PASS
		2	22.70	22.70	23.05	/	5.00	27.70	27.70	28.05	33.01	PASS
		3	22.74	22.71	23.02	/	5.00	27.74	27.71	28.02	33.01	PASS
16QAM	1	0	21.94	21.95	22.18	/	5.00	26.94	26.95	27.18	33.01	PASS
		2	21.72	22.33	22.35	/	5.00	26.72	27.33	27.35	33.01	PASS
		5	21.77	22.31	22.35	/	5.00	26.77	27.31	27.35	33.01	PASS
	3	0	21.81	22.27	22.39	/	5.00	26.81	27.27	27.39	33.01	PASS
		2	21.67	21.83	22.06	/	5.00	26.67	26.83	27.06	33.01	PASS
		2	21.71	21.88	22.21	/	5.00	26.71	26.88	27.21	33.01	PASS
	6	3	21.68	22.01	22.25	/	5.00	26.68	27.01	27.25	33.01	PASS
		0	21.05	21.12	21.28	/	5.00	26.05	26.12	26.28	33.01	PASS
		0	21.05	21.12	21.28	/	5.00	26.05	26.12	26.28	33.01	PASS

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)

Test Band: 2 3MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	22.41	22.55	22.70	/	5.00	27.41	27.55	27.70	33.01	PASS
		7	22.47	22.51	22.71	/	5.00	27.47	27.51	27.71	33.01	PASS
		14	22.54	22.52	22.63	/	5.00	27.54	27.52	27.63	33.01	PASS
	8	0	21.80	21.81	22.10	/	5.00	26.80	26.81	27.10	33.01	PASS
		4	21.80	21.82	22.11	/	5.00	26.80	26.82	27.11	33.01	PASS
		7	21.82	21.79	22.11	/	5.00	26.82	26.79	27.11	33.01	PASS
16QAM	15	0	21.74	21.78	21.96	/	5.00	26.74	26.78	26.96	33.01	PASS
		7	22.12	21.80	22.49	/	5.00	27.12	26.80	27.49	33.01	PASS
		14	22.14	21.88	22.40	/	5.00	27.14	26.88	27.40	33.01	PASS
	8	0	22.17	21.87	22.43	/	5.00	27.17	26.87	27.43	33.01	PASS
		4	21.11	21.13	21.18	/	5.00	26.11	26.13	26.18	33.01	PASS
		4	21.08	21.14	21.19	/	5.00	26.08	26.14	26.19	33.01	PASS
	15	7	21.09	21.15	21.16	/	5.00	26.09	26.15	26.16	33.01	PASS
		0	20.94	20.92	21.17	/	5.00	25.94	25.92	26.17	33.01	PASS
		0	20.94	20.92	21.17	/	5.00	25.94	25.92	26.17	33.01	PASS

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)

Test Band: 2 5MHz Bandwidth													
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict	
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH			
QPSK	1	0	22.48	22.58	22.93	/	5.00	27.48	27.58	27.93	33.01	PASS	
		13	22.53	22.51	23.15	/	5.00	27.53	27.51	28.15	33.01	PASS	
		24	22.47	22.48	23.24	/	5.00	27.47	27.48	28.24	33.01	PASS	
	12	0	21.83	21.76	22.03	/	5.00	26.83	26.76	27.03	33.01	PASS	
		6	21.81	21.75	22.08	/	5.00	26.81	26.75	27.08	33.01	PASS	
		13	21.84	21.79	22.04	/	5.00	26.84	26.79	27.04	33.01	PASS	
	25	0	21.80	21.76	22.04	/	5.00	26.80	26.76	27.04	33.01	PASS	
	1		1	21.56	21.59	22.70	/	5.00	26.56	26.59	27.70	33.01	PASS
	13			21.58	21.56	22.66	/	5.00	26.58	26.56	27.66	33.01	PASS
	24			21.62	21.54	22.44	/	5.00	26.62	26.54	27.44	33.01	PASS
16QAM	12	0	20.88	20.89	21.14	/	5.00	25.88	25.89	26.14	33.01	PASS	
		6	20.89	20.89	21.13	/	5.00	25.89	25.89	26.13	33.01	PASS	
		13	20.95	20.91	21.14	/	5.00	25.95	25.91	26.14	33.01	PASS	
	25	0	20.95	20.91	21.10	/	5.00	25.95	25.91	26.10	33.01	PASS	
	Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)												

Test Band: 2 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	22.53	22.45	22.72	/	5.00	27.53	27.45	27.72	33.01	PASS
		25	22.49	22.48	22.78	/	5.00	27.49	27.48	27.78	33.01	PASS
		49	22.55	22.46	22.86	/	5.00	27.55	27.46	27.86	33.01	PASS
	25	0	21.77	21.78	22.00	/	5.00	26.77	26.78	27.00	33.01	PASS
		13	21.75	21.78	22.05	/	5.00	26.75	26.78	27.05	33.01	PASS
		25	21.76	21.73	22.14	/	5.00	26.76	26.73	27.14	33.01	PASS
	50	0	21.75	21.73	21.98	/	5.00	26.75	26.73	26.98	33.01	PASS
	21.77		22.21	22.41	/	5.00	26.77	27.21	27.41	33.01	PASS	
16QAM	1	25	21.83	22.25	22.45	/	5.00	26.83	27.25	27.45	33.01	PASS
		49	21.81	22.20	22.47	/	5.00	26.81	27.20	27.47	33.01	PASS
		0	20.99	20.90	21.21	/	5.00	25.99	25.90	26.21	33.01	PASS
	25	13	20.99	20.95	21.17	/	5.00	25.99	25.95	26.17	33.01	PASS
		25	21.02	20.92	21.23	/	5.00	26.02	25.92	26.23	33.01	PASS
		50	0	20.91	20.90	21.16	/	5.00	25.91	25.90	26.16	33.01
	Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)											

Test Band: 2 15MHz Bandwidth													
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict	
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH			
QPSK	1	0	22.49	22.48	22.69	/	5.00	27.49	27.48	27.69	33.01	PASS	
		38	22.57	22.53	22.88	/	5.00	27.57	27.53	27.88	33.01	PASS	
		74	22.42	22.60	22.74	/	5.00	27.42	27.60	27.74	33.01	PASS	
	36	0	21.90	21.81	22.08	/	5.00	26.90	26.81	27.08	33.01	PASS	
		18	21.88	21.82	22.18	/	5.00	26.88	26.82	27.18	33.01	PASS	
		39	21.86	21.84	22.18	/	5.00	26.86	26.84	27.18	33.01	PASS	
	75	0	21.87	21.89	22.09	/	5.00	26.87	26.89	27.09	33.01	PASS	
			22.27	22.21	22.27	/	5.00	27.27	27.21	27.27	33.01	PASS	
		1	38	22.20	22.28	22.70	/	5.00	27.20	27.28	27.70	33.01	PASS
16QAM	1	74	22.19	22.16	22.44	/	5.00	27.19	27.16	27.44	33.01	PASS	
		36	0	21.04	20.98	21.19	/	5.00	26.04	25.98	26.19	33.01	PASS
			18	21.01	21.02	21.26	/	5.00	26.01	26.02	26.26	33.01	PASS
	39		20.96	20.97	21.29	/	5.00	25.96	25.97	26.29	33.01	PASS	
	75	0	21.06	21.00	21.27	/	5.00	26.06	26.00	26.27	33.01	PASS	
		Note:											
		1) dBd = dBi - 2.15											
	2) EIRP = Conducted output power + Antenna gain (dBi)												

Test Band: 2 20MHz Bandwidth													
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict	
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH			
QPSK	1	0	22.98	22.27	22.61	/	5.00	27.98	27.27	27.61	33.01	PASS	
		50	22.77	22.37	22.83	/	5.00	27.77	27.37	27.83	33.01	PASS	
		99	22.89	22.57	22.93	/	5.00	27.89	27.57	27.93	33.01	PASS	
	50	0	21.79	21.67	21.82	/	5.00	26.79	26.67	26.82	33.01	PASS	
		25	21.79	21.72	21.99	/	5.00	26.79	26.72	26.99	33.01	PASS	
		50	21.70	21.67	22.06	/	5.00	26.70	26.67	27.06	33.01	PASS	
	100	0	21.83	21.75	21.94	/	5.00	26.83	26.75	26.94	33.01	PASS	
			22.43	22.41	21.93	/	5.00	27.43	27.41	26.93	33.01	PASS	
		1	50	22.19	22.44	22.17	/	5.00	27.19	27.44	27.17	33.01	PASS
16QAM	1	99	22.22	22.67	22.29	/	5.00	27.22	27.67	27.29	33.01	PASS	
		50	0	20.93	20.85	20.99	/	5.00	25.93	25.85	25.99	33.01	PASS
			25	20.92	20.89	21.11	/	5.00	25.92	25.89	26.11	33.01	PASS
	50		20.84	20.84	21.16	/	5.00	25.84	25.84	26.16	33.01	PASS	
	100	0	20.92	20.94	21.10	/	5.00	25.92	25.94	26.10	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 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	-47.1926	-42.6149	-0.0212	-0.0251	-0.0223	2.50	PASS
				NV	-40.6551	-40.2975	-41.4562	-0.0220	-0.0214	-0.0217	2.50	PASS
				HV	-38.7812	-30.9277	-47.7505	-0.0210	-0.0165	-0.0250	2.50	PASS
16QAM	6	0	NT	LV	-31.2281	-58.8512	-30.7703	-0.0169	-0.0313	-0.0161	2.50	PASS
				NV	-33.3738	-35.3622	-29.1395	-0.0180	-0.0188	-0.0153	2.50	PASS
				HV	-25.9066	-31.7717	-51.6844	-0.0140	-0.0169	-0.0271	2.50	PASS

Test Band: 2_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	-40.2117	-23.6464	-50.4398	-0.0217	-0.0126	-0.0264	2.50	PASS
				-20.00	-27.7948	-25.0483	-50.5400	-0.0150	-0.0133	-0.0265	2.50	PASS
				-10.00	-7.0095	-20.5421	-53.9446	-0.0038	-0.0109	-0.0283	2.50	PASS
				0.00	-2.9755	-22.6879	-51.1694	-0.0016	-0.0121	-0.0268	2.50	PASS
				10.00	-3.9339	-18.9400	-33.5884	-0.0021	-0.0101	-0.0176	2.50	PASS
				20.00	-7.0238	-34.6613	-22.6736	-0.0038	-0.0184	-0.0119	2.50	PASS
				30.00	1.1730	-40.9842	-17.3378	0.0006	-0.0218	-0.0091	2.50	PASS
				40.00	-10.5572	-40.3690	-18.9686	-0.0057	-0.0215	-0.0099	2.50	PASS
				50.00	-6.7520	-20.5708	-23.8895	-0.0036	-0.0109	-0.0125	2.50	PASS
16QAM	6	0	NV	-30.00	-15.8787	-33.4024	-53.1435	-0.0086	-0.0178	-0.0278	2.50	PASS
				-20.00	-13.2465	-33.0591	-52.9718	-0.0072	-0.0176	-0.0277	2.50	PASS
				-10.00	-22.1443	-33.2451	-56.8199	-0.0120	-0.0177	-0.0298	2.50	PASS
				0.00	-12.4741	-30.2839	-50.2396	-0.0067	-0.0161	-0.0263	2.50	PASS
				10.00	-17.2377	-29.1252	-45.1183	-0.0093	-0.0155	-0.0236	2.50	PASS
				20.00	-19.5265	-37.5795	-42.3431	-0.0106	-0.0200	-0.0222	2.50	PASS
				30.00	-16.2506	-37.2219	-47.9221	-0.0088	-0.0198	-0.0251	2.50	PASS
				40.00	-14.9202	-37.0932	-37.5938	-0.0081	-0.0197	-0.0197	2.50	PASS
				50.00	-20.8998	-37.1361	-33.3881	-0.0113	-0.0198	-0.0175	2.50	PASS

Test Band: 2 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	-26.6075	-35.9631	-21.4863	-0.0144	-0.0191	-0.0113	2.50	PASS
				NV	-33.0591	-39.4964	-27.3657	-0.0179	-0.0210	-0.0143	2.50	PASS
				HV	-24.8766	-35.4195	-19.7268	-0.0134	-0.0188	-0.0103	2.50	PASS
16QAM	15	0	NT	LV	-12.7888	-24.8051	-36.4065	-0.0069	-0.0132	-0.0191	2.50	PASS
				NV	-14.9775	-25.8064	-20.3562	-0.0081	-0.0137	-0.0107	2.50	PASS
				HV	-7.4530	-28.7104	-15.7213	-0.0040	-0.0153	-0.0082	2.50	PASS

Test Band: 2 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	-26.9222	-36.6926	-19.1546	-0.0145	-0.0195	-0.0100	2.50	PASS
				-20.00	-30.5128	-36.2921	-15.7928	-0.0165	-0.0193	-0.0083	2.50	PASS
				-10.00	-27.1654	-42.1858	-17.9243	-0.0147	-0.0224	-0.0094	2.50	PASS
				0.00	-31.7717	-38.6381	-23.1314	-0.0172	-0.0206	-0.0121	2.50	PASS
				10.00	-30.5986	-28.4243	-10.2997	-0.0165	-0.0151	-0.0054	2.50	PASS
				20.00	-29.1681	-14.6198	-16.4652	-0.0158	-0.0078	-0.0086	2.50	PASS
				30.00	-36.4351	-23.5748	-14.4052	-0.0197	-0.0125	-0.0075	2.50	PASS
				40.00	-28.9679	-13.2752	-16.9802	-0.0156	-0.0071	-0.0089	2.50	PASS
				50.00	-36.9501	-15.9073	-15.2779	-0.0200	-0.0085	-0.0080	2.50	PASS
16QAM	15	0	NV	-30.00	-14.1192	-36.5925	-12.3882	-0.0076	-0.0195	-0.0065	2.50	PASS
				-20.00	-15.4495	-29.5973	-15.4495	-0.0083	-0.0157	-0.0081	2.50	PASS
				-10.00	-9.7418	-30.9134	-16.2220	-0.0053	-0.0164	-0.0085	2.50	PASS
				0.00	-8.4257	-37.2791	-9.3698	-0.0046	-0.0198	-0.0049	2.50	PASS
				10.00	-7.9107	-40.5121	-13.0892	-0.0043	-0.0215	-0.0069	2.50	PASS
				20.00	-6.6662	-33.4168	2.1172	-0.0036	-0.0178	0.0011	2.50	PASS
				30.00	-10.5143	-34.8043	-2.5606	-0.0057	-0.0185	-0.0013	2.50	PASS
				40.00	-6.5804	-30.7846	-2.0027	-0.0036	-0.0164	-0.0010	2.50	PASS
				50.00	-15.5783	-30.7560	-4.5061	-0.0084	-0.0164	-0.0024	2.50	PASS

Test Band: 2 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	-12.8889	-28.9822	-30.9706	-0.0070	-0.0154	-0.0162	2.50	PASS
				NV	-18.6110	-24.5619	-29.3112	-0.0100	-0.0131	-0.0154	2.50	PASS
				HV	-23.1028	-25.9066	-21.6722	-0.0125	-0.0138	-0.0114	2.50	PASS
16QAM	25	0	NT	LV	-13.2036	-18.4965	-21.5149	-0.0071	-0.0098	-0.0113	2.50	PASS
				NV	-12.1307	-17.9672	-22.6450	-0.0065	-0.0096	-0.0119	2.50	PASS
				HV	-17.2949	-11.9162	-17.7526	-0.0093	-0.0063	-0.0093	2.50	PASS

Test Band: 2 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	-18.5394	-27.7662	-30.1695	-0.0100	-0.0148	-0.0158	2.50	PASS
				-20.00	-23.4604	-26.0639	-26.0925	-0.0127	-0.0139	-0.0137	2.50	PASS
				-10.00	-18.2962	-23.2601	-31.5142	-0.0099	-0.0124	-0.0165	2.50	PASS
				0.00	-21.4863	-29.7260	-30.2696	-0.0116	-0.0158	-0.0159	2.50	PASS
				10.00	-19.8841	-25.0769	-30.7703	-0.0107	-0.0133	-0.0161	2.50	PASS
				20.00	-26.7506	-27.4372	-29.0537	-0.0144	-0.0146	-0.0152	2.50	PASS
				30.00	-18.3106	-31.7574	-32.7158	-0.0099	-0.0169	-0.0172	2.50	PASS
				40.00	-23.5605	-28.6102	-27.4658	-0.0127	-0.0152	-0.0144	2.50	PASS
				50.00	-24.2615	-28.9536	-22.2874	-0.0131	-0.0154	-0.0117	2.50	PASS
16QAM	25	0	NV	-30.00	-25.6205	-18.9972	-23.3602	-0.0138	-0.0101	-0.0122	2.50	PASS
				-20.00	-15.6498	-15.4352	-20.6137	-0.0084	-0.0082	-0.0108	2.50	PASS
				-10.00	-14.2479	-20.0844	-18.5680	-0.0077	-0.0107	-0.0097	2.50	PASS
				0.00	-16.3650	-27.0653	-19.3691	-0.0088	-0.0144	-0.0102	2.50	PASS
				10.00	-19.3691	-20.3991	-19.3119	-0.0105	-0.0109	-0.0101	2.50	PASS
				20.00	-25.9638	-19.1116	-21.1573	-0.0140	-0.0102	-0.0111	2.50	PASS
				30.00	-25.2485	-18.1532	-17.1948	-0.0136	-0.0097	-0.0090	2.50	PASS
				40.00	-17.4093	-15.7356	-23.7894	-0.0094	-0.0084	-0.0125	2.50	PASS
				50.00	-22.5449	-15.7928	-24.2042	-0.0122	-0.0084	-0.0127	2.50	PASS

Test Band: 2_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	-11.4298	-23.5033	-19.4693	-0.0062	-0.0125	-0.0102	2.50	PASS
				NV	-16.3221	-19.6981	-14.6055	-0.0088	-0.0105	-0.0077	2.50	PASS
				HV	-16.1791	-20.0272	-14.3194	-0.0087	-0.0107	-0.0075	2.50	PASS
16QAM	50	0	NT	LV	-23.6893	-21.6150	-9.4557	-0.0128	-0.0115	-0.0050	2.50	PASS
				NV	-31.4570	-9.1839	-15.9788	-0.0170	-0.0049	-0.0084	2.50	PASS
				HV	-43.7594	-1.5736	-16.9659	-0.0236	-0.0008	-0.0089	2.50	PASS

Test Band: 2 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	-12.3024	-21.1716	-21.7581	-0.0066	-0.0113	-0.0114	2.50	PASS
				-20.00	-10.4713	-20.3133	-18.4250	-0.0056	-0.0108	-0.0097	2.50	PASS
				-10.00	-11.0578	-16.1791	-15.5497	-0.0060	-0.0086	-0.0082	2.50	PASS
				0.00	-10.5286	-17.0803	-18.1675	-0.0057	-0.0091	-0.0095	2.50	PASS
				10.00	-10.2854	-16.6798	-16.3508	-0.0055	-0.0089	-0.0086	2.50	PASS
				20.00	-7.9250	-19.0973	-21.4720	-0.0043	-0.0102	-0.0113	2.50	PASS
				30.00	-5.5647	-21.3575	-16.8228	-0.0030	-0.0114	-0.0088	2.50	PASS
				40.00	-5.1212	-22.8024	-17.6382	-0.0028	-0.0121	-0.0093	2.50	PASS
				50.00	-13.0606	-21.0428	-23.0455	-0.0070	-0.0112	-0.0121	2.50	PASS
16QAM	50	0	NV	-30.00	-24.8909	-1.4734	-12.5170	-0.0134	-0.0008	-0.0066	2.50	PASS
				-20.00	-18.0674	-28.9106	-19.4407	-0.0097	-0.0154	-0.0102	2.50	PASS
				-10.00	-9.2125	-25.8923	-17.7383	-0.0050	-0.0138	-0.0093	2.50	PASS
				0.00	-8.1968	-23.8180	-13.4039	-0.0044	-0.0127	-0.0070	2.50	PASS
				10.00	-8.2111	-13.9332	-5.9366	-0.0044	-0.0074	-0.0031	2.50	PASS
				20.00	-7.0095	-6.2227	-14.8630	-0.0038	-0.0033	-0.0078	2.50	PASS
				30.00	-6.1226	-12.3453	-21.2860	-0.0033	-0.0066	-0.0112	2.50	PASS
				40.00	-8.7976	-11.5728	-11.0865	-0.0047	-0.0062	-0.0058	2.50	PASS
				50.00	3.0613	-8.8406	-8.5688	0.0017	-0.0047	-0.0045	2.50	PASS

Test Band: 2 15MHz 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	75	0	NT	LV	-19.8984	-8.5402	-20.9856	-0.0107	-0.0045	-0.0110	2.50	PASS
				NV	-21.9870	-6.9237	-18.7969	-0.0118	-0.0037	-0.0099	2.50	PASS
				HV	-33.9460	-16.4223	-14.9488	-0.0183	-0.0087	-0.0079	2.50	PASS
16QAM	75	0	NT	LV	-23.2887	-13.0176	-21.2574	-0.0125	-0.0069	-0.0112	2.50	PASS
				NV	-24.7049	-23.1886	-25.6777	-0.0133	-0.0123	-0.0135	2.50	PASS
				HV	-30.4556	-21.0714	-24.1756	-0.0164	-0.0112	-0.0127	2.50	PASS

Test Band: 2_15MHz 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	75	0	NV	-30.00	-24.3473	-12.2452	-17.7526	-0.0131	-0.0065	-0.0093	2.50	PASS
				-20.00	-26.0782	-15.8501	-16.0932	-0.0140	-0.0084	-0.0085	2.50	PASS
				-10.00	-27.4229	-15.9216	-19.3691	-0.0148	-0.0085	-0.0102	2.50	PASS
				0.00	-34.1463	-10.5286	-24.4760	-0.0184	-0.0056	-0.0129	2.50	PASS
				10.00	-32.2008	-12.3310	-22.2588	-0.0173	-0.0066	-0.0117	2.50	PASS
				20.00	-20.0987	-13.4325	-25.0196	-0.0108	-0.0071	-0.0132	2.50	PASS
				30.00	-10.7718	-14.3194	-27.7662	-0.0058	-0.0076	-0.0146	2.50	PASS

				40.00	-17.9958	-19.5408	-20.7424	-0.0097	-0.0104	-0.0109	2.50	PASS
				50.00	-15.9359	-21.3575	-19.4550	-0.0086	-0.0114	-0.0102	2.50	PASS
16QAM	75	0	NV	-30.00	-28.6961	-16.7370	-23.5033	-0.0154	-0.0089	-0.0124	2.50	PASS
				-20.00	-30.0264	-16.2363	-26.5932	-0.0162	-0.0086	-0.0140	2.50	PASS
				-10.00	-23.8180	-12.6171	-29.3112	-0.0128	-0.0067	-0.0154	2.50	PASS
				0.00	-27.2798	-11.6444	-19.6266	-0.0147	-0.0062	-0.0103	2.50	PASS
				10.00	-28.5101	-11.2438	-0.7582	-0.0153	-0.0060	-0.0004	2.50	PASS
				20.00	-29.2254	-12.6171	-3.3045	-0.0157	-0.0067	-0.0017	2.50	PASS
				30.00	-33.4883	-14.8630	-1.7023	-0.0180	-0.0079	-0.0009	2.50	PASS
				40.00	-33.1879	-9.8419	-2.9755	-0.0179	-0.0052	-0.0016	2.50	PASS
				50.00	-13.7472	-11.3583	-0.8583	-0.0074	-0.0060	-0.0005	2.50	PASS

Test Band: 2 20MHz 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	100	0	NT	LV	-14.3051	-20.2417	-17.5810	-0.0077	-0.0108	-0.0093	2.50	PASS
				NV	-11.6444	-17.2377	-20.1416	-0.0063	-0.0092	-0.0106	2.50	PASS
				HV	-8.9264	-14.6198	-11.2152	-0.0048	-0.0078	-0.0059	2.50	PASS
16QAM	100	0	NT	LV	-18.6110	-16.0360	-16.2792	-0.0100	-0.0085	-0.0086	2.50	PASS
				NV	-5.0354	-12.4168	-11.5299	-0.0027	-0.0066	-0.0061	2.50	PASS
				HV	-8.6832	-18.3535	-19.2976	-0.0047	-0.0098	-0.0102	2.50	PASS

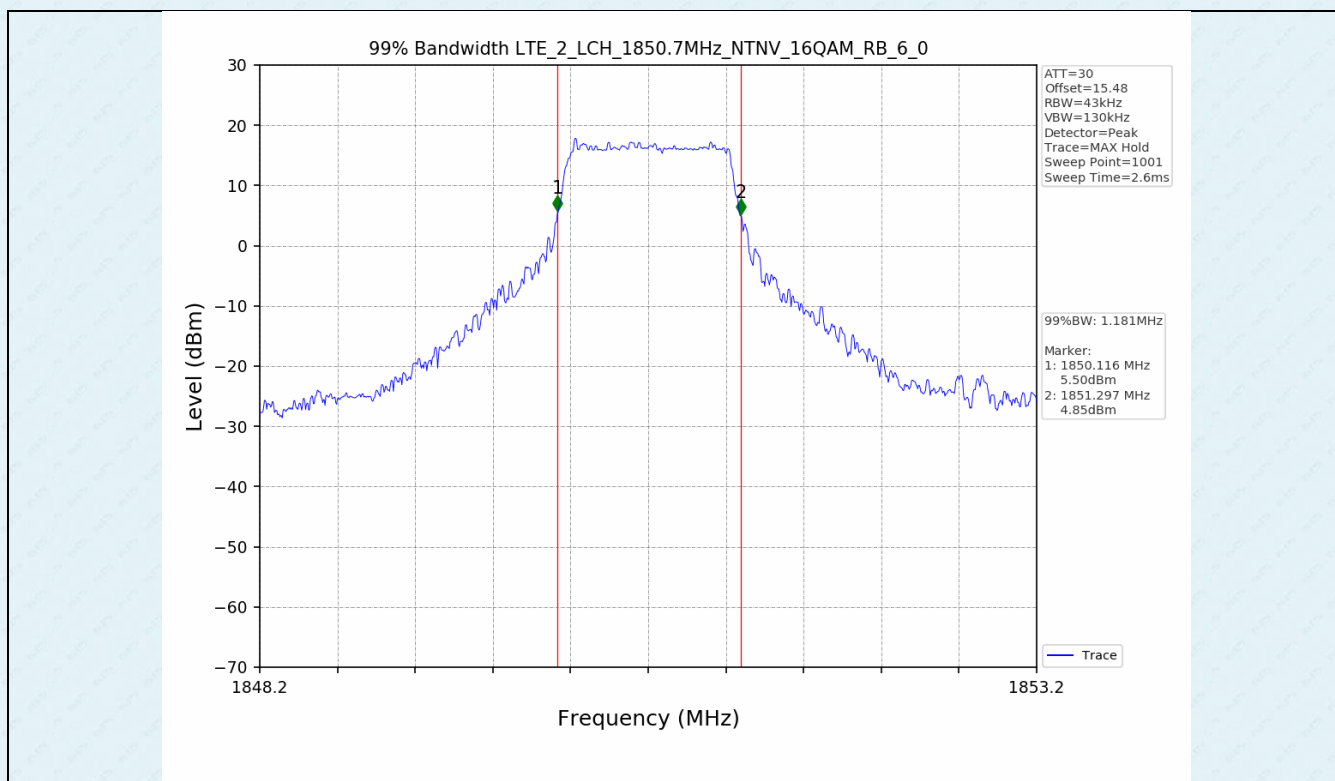
Test Band: 2 20MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NV	-30.00	-13.6185	-19.0687	-16.4366	-0.0073	-0.0101	-0.0087	2.50	PASS
				-20.00	-17.4808	-19.7554	-18.2247	-0.0094	-0.0105	-0.0096	2.50	PASS
				-10.00	-16.4938	-13.7472	-14.5769	-0.0089	-0.0073	-0.0077	2.50	PASS
				0.00	-22.9168	-11.2867	-17.8957	-0.0123	-0.0060	-0.0094	2.50	PASS
				10.00	-23.2029	-15.3208	-19.7411	-0.0125	-0.0081	-0.0104	2.50	PASS
				20.00	-24.4474	-16.9516	-24.0898	-0.0131	-0.0090	-0.0127	2.50	PASS
				30.00	-21.0142	-11.9448	-22.9883	-0.0113	-0.0064	-0.0121	2.50	PASS
				40.00	-16.1076	-11.7016	-22.9168	-0.0087	-0.0062	-0.0121	2.50	PASS
				50.00	-12.4311	-9.4414	-27.8521	-0.0067	-0.0050	-0.0147	2.50	PASS
16QAM	100	0	NV	-30.00	-9.1124	-10.4141	-16.4223	-0.0049	-0.0055	-0.0086	2.50	PASS
				-20.00	-11.5442	-12.1594	-13.4897	-0.0062	-0.0065	-0.0071	2.50	PASS
				-10.00	0.4578	-8.5974	-13.4039	0.0002	-0.0046	-0.0071	2.50	PASS
				0.00	-4.7493	-14.6627	-20.2131	-0.0026	-0.0078	-0.0106	2.50	PASS
				10.00	-10.5572	-11.6158	-21.8868	-0.0057	-0.0062	-0.0115	2.50	PASS
				20.00	-20.3705	-12.3024	-15.2206	-0.0110	-0.0065	-0.0080	2.50	PASS
				30.00	-19.2118	-12.5170	-20.3276	-0.0103	-0.0067	-0.0107	2.50	PASS
				40.00	-18.2819	1.1587	-16.0217	-0.0098	0.0006	-0.0084	2.50	PASS
				50.00	-20.5708	-3.3045	-19.4693	-0.0111	-0.0018	-0.0102	2.50	PASS

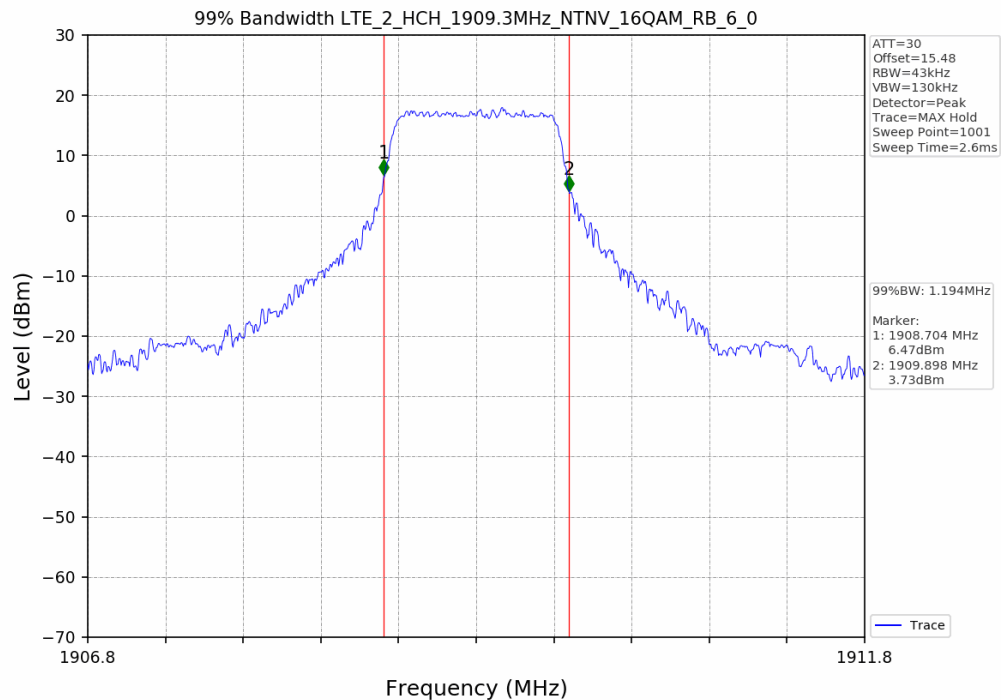
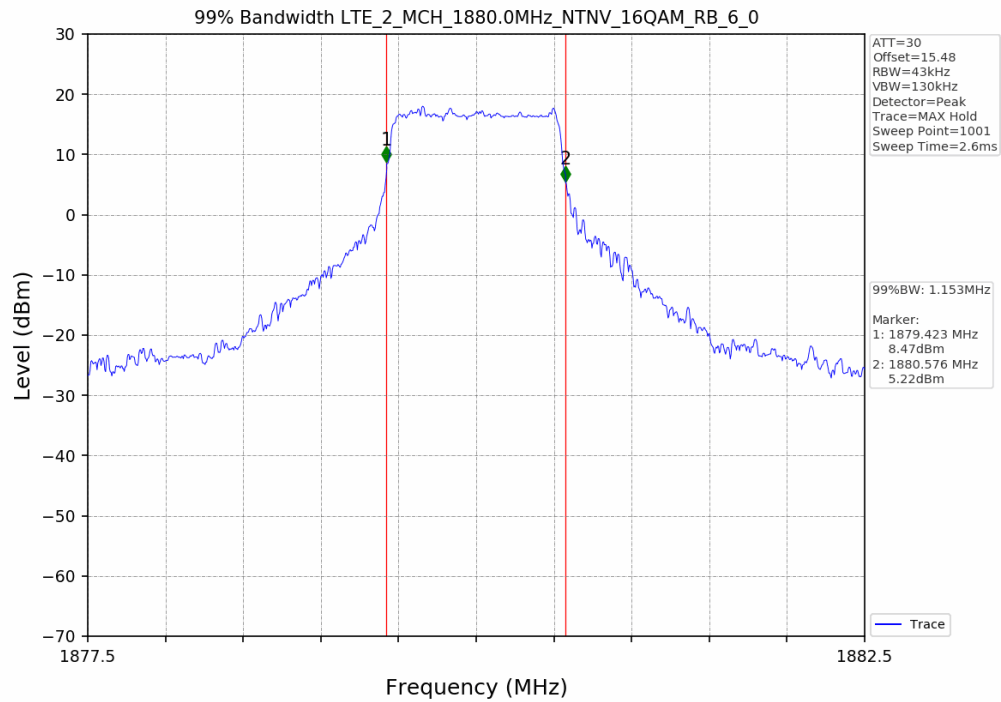
3. 99% & 26dB Bandwidth

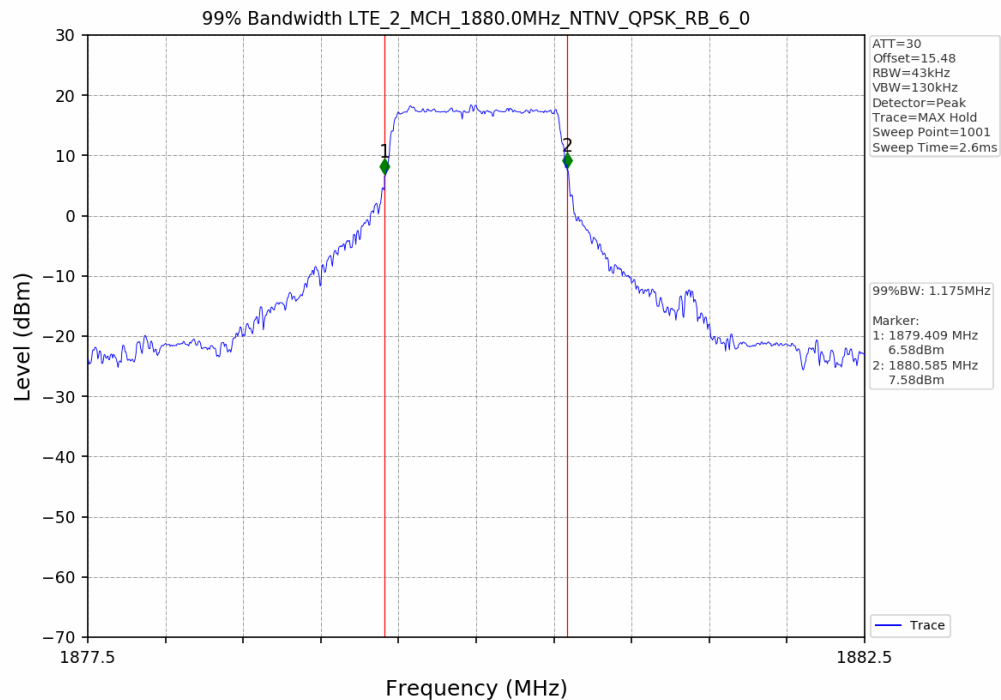
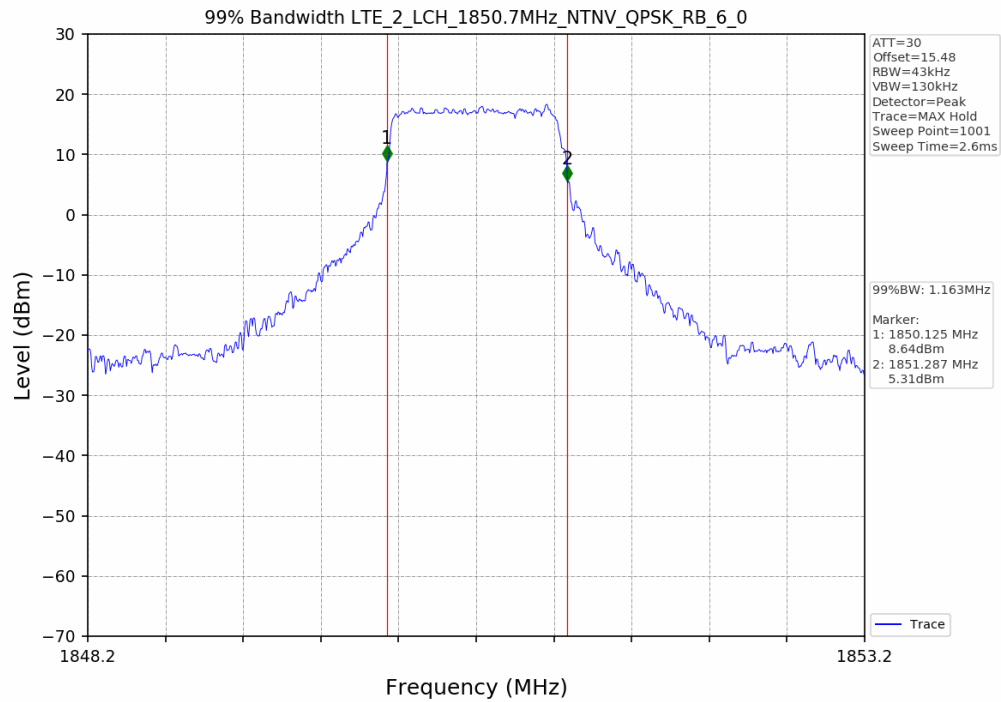
3.1 Test Result

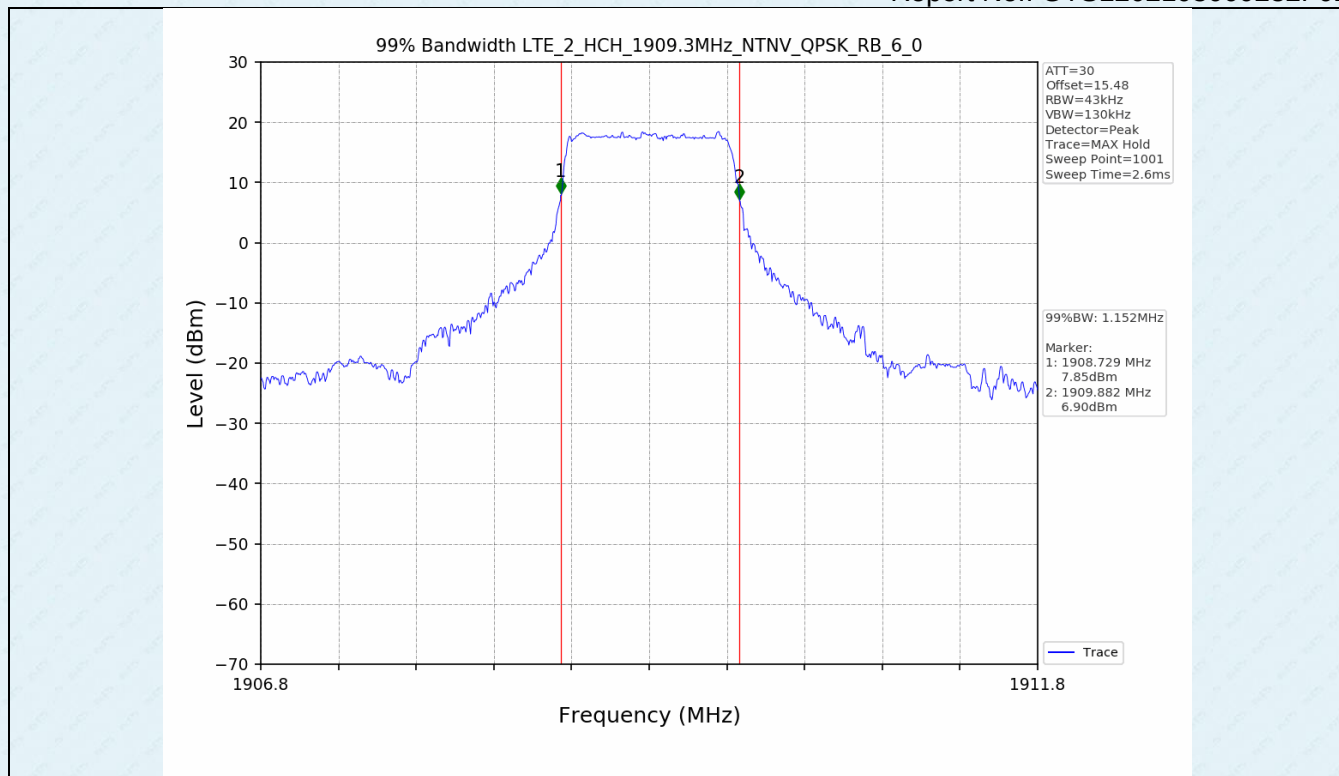
Test Band: 2_1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.163	1.175	1.152	N/A	PASS
16QAM	6	0	1.181	1.153	1.194	N/A	PASS

3.2 Test Graph



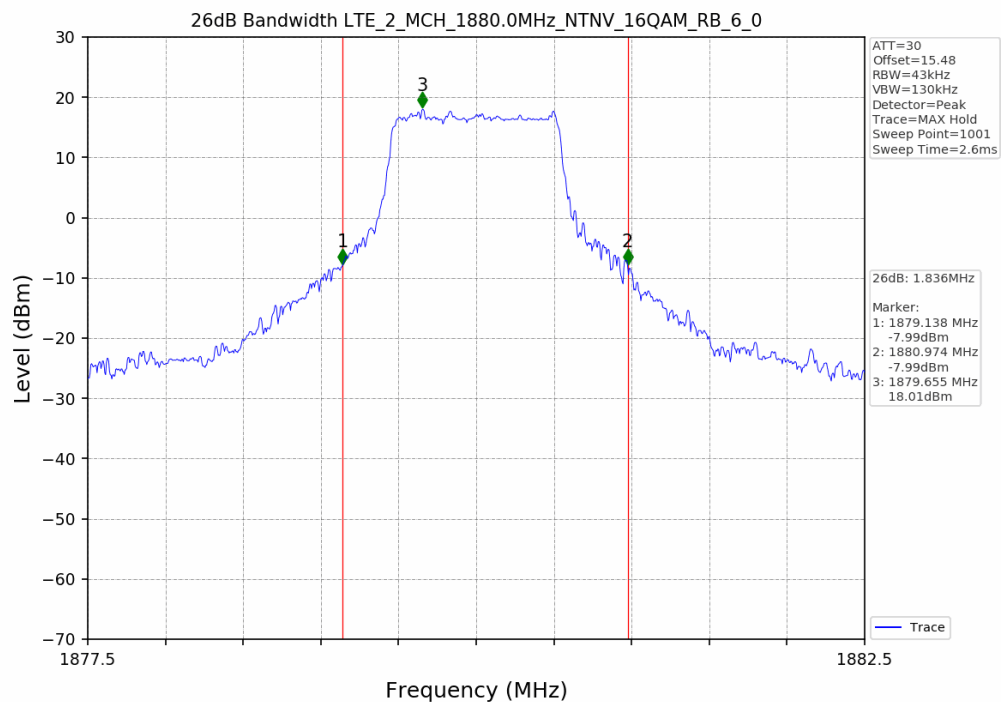
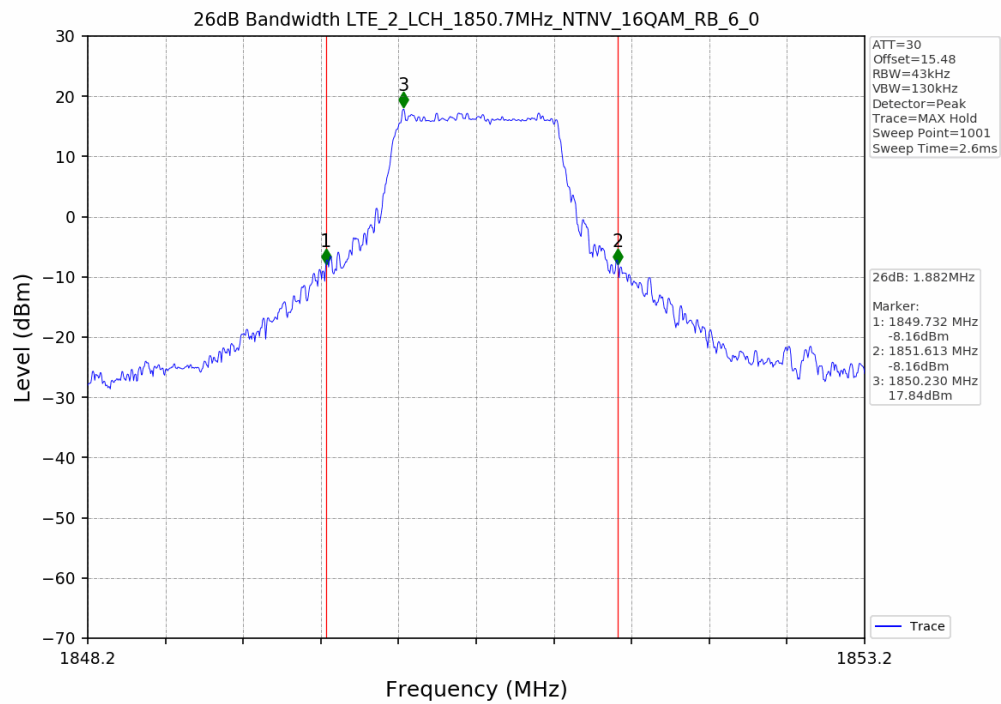


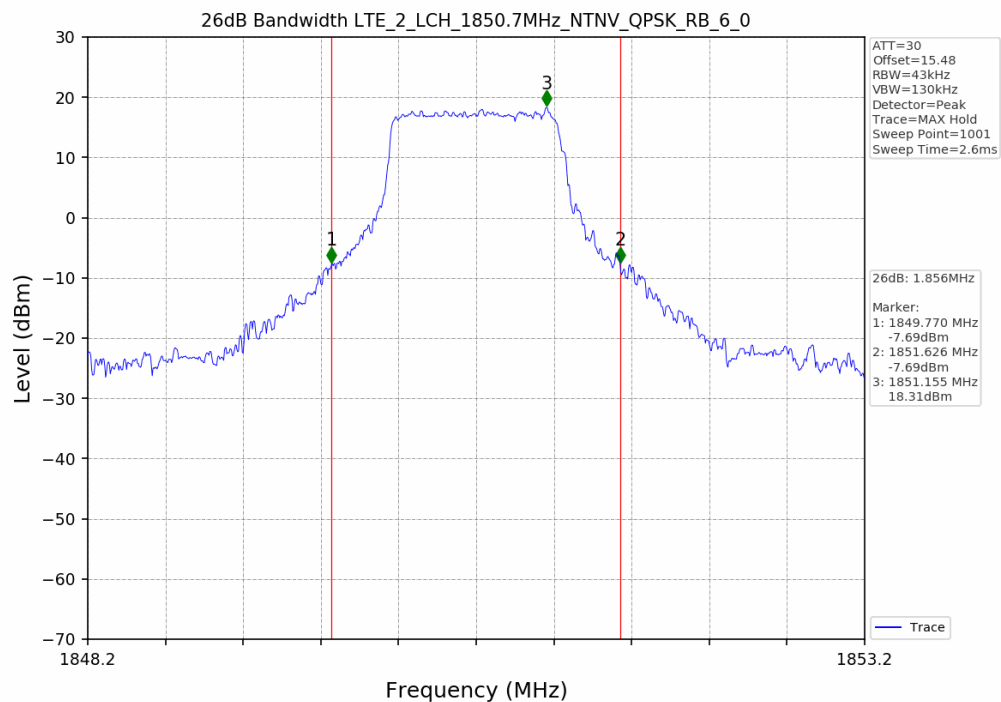
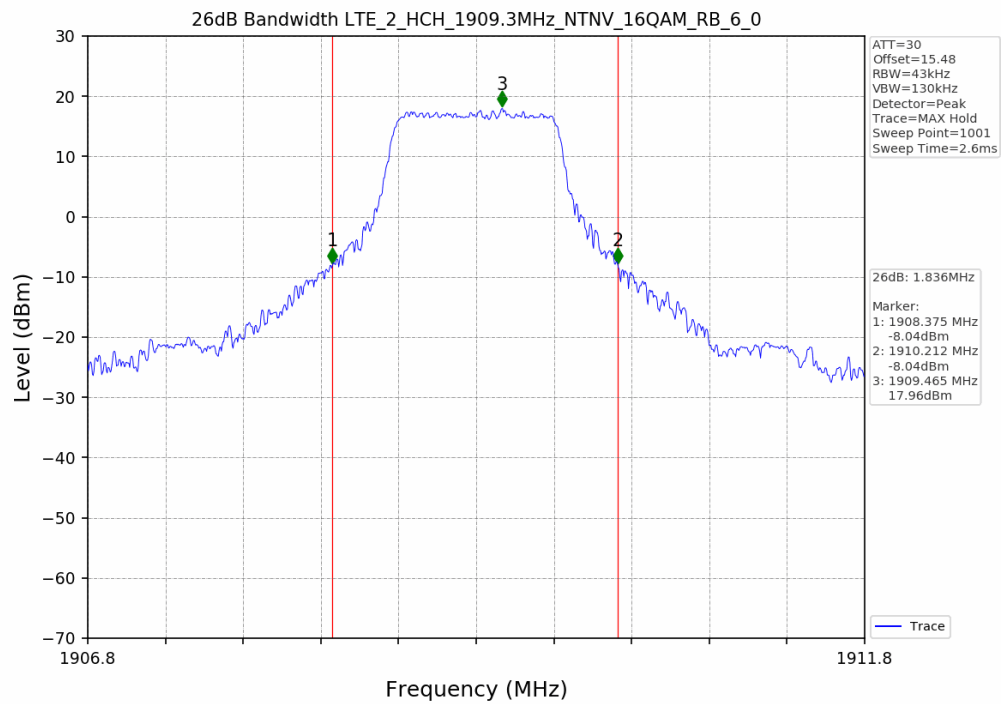


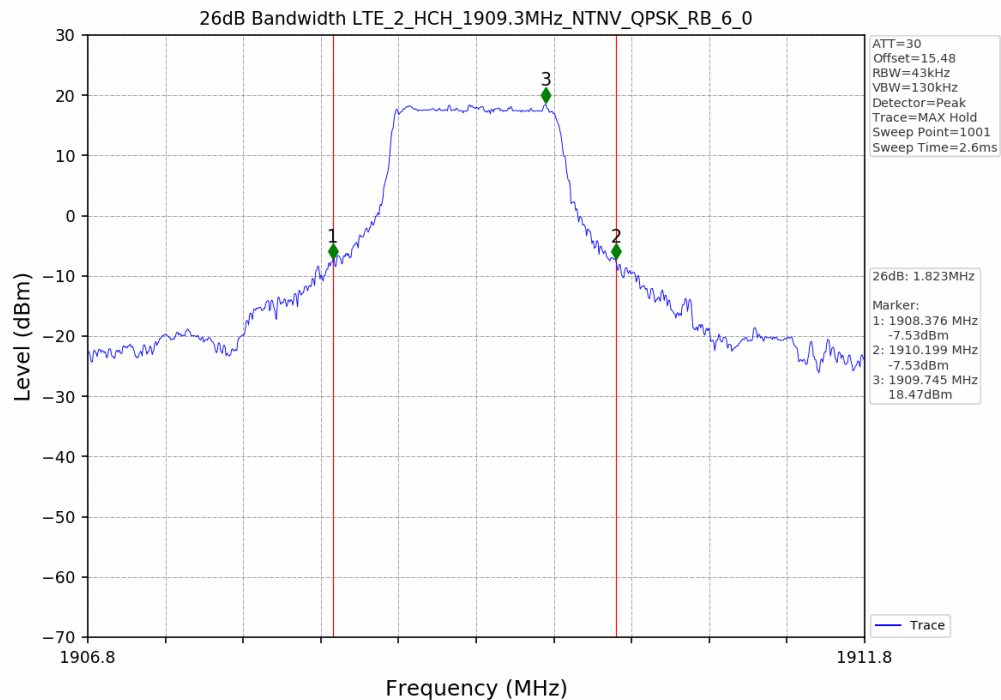
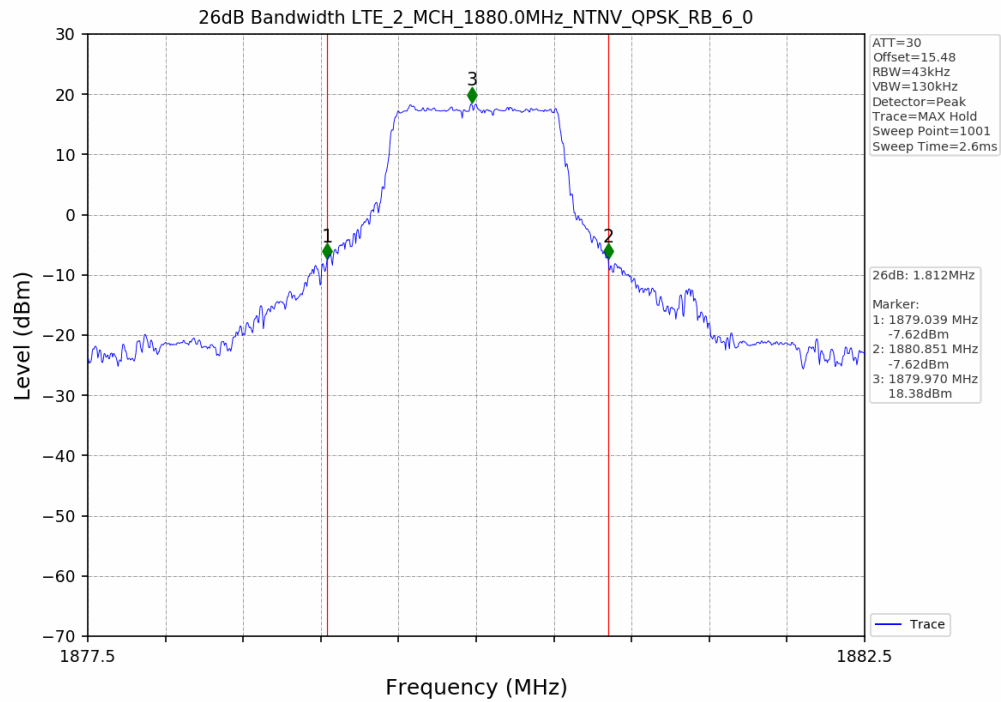


Test Band: 2_1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.856	1.812	1.823	N/A	PASS
16QAM	6	0	1.882	1.836	1.836	N/A	PASS

3.2 Test Graph



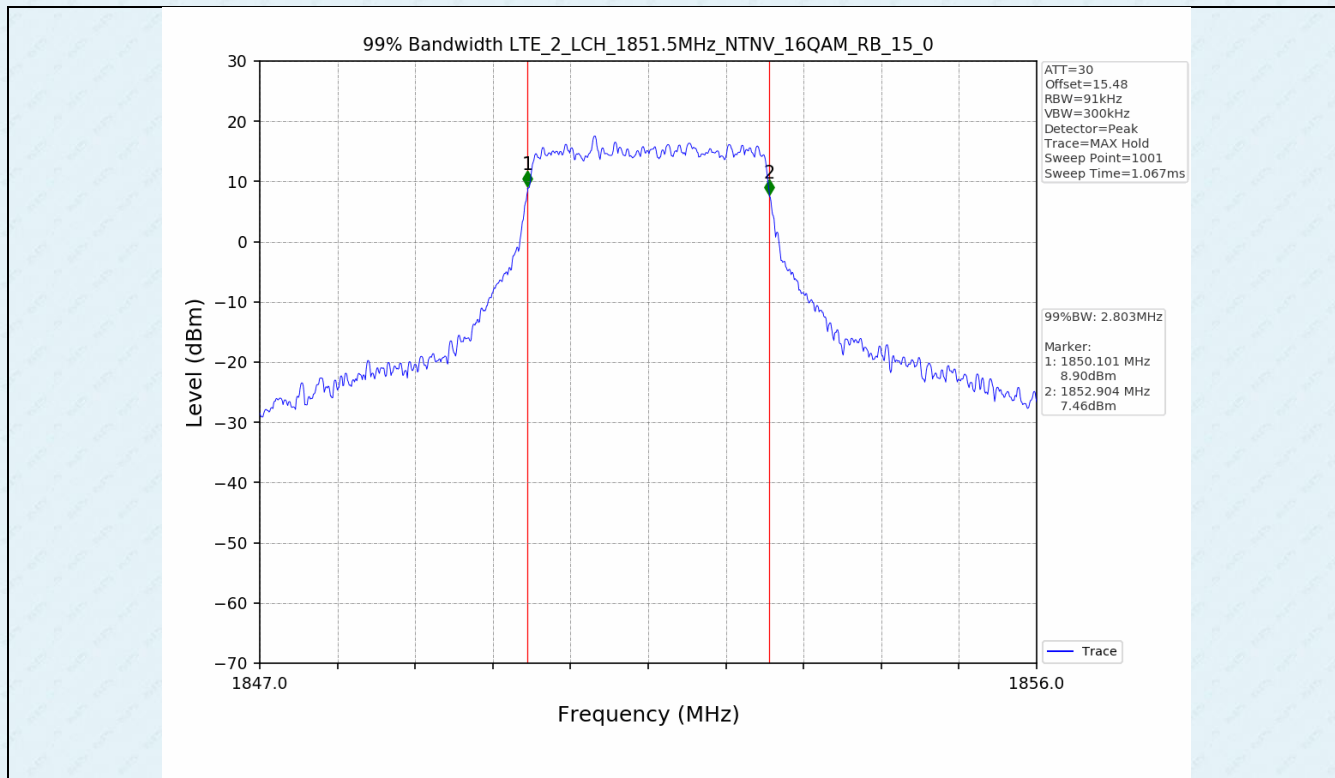


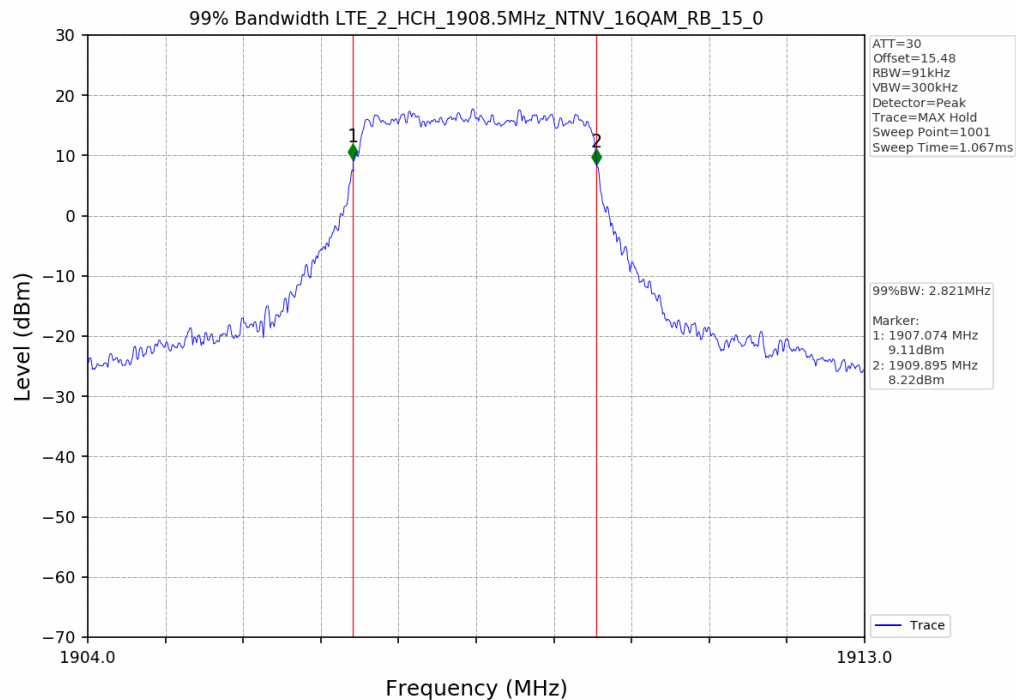
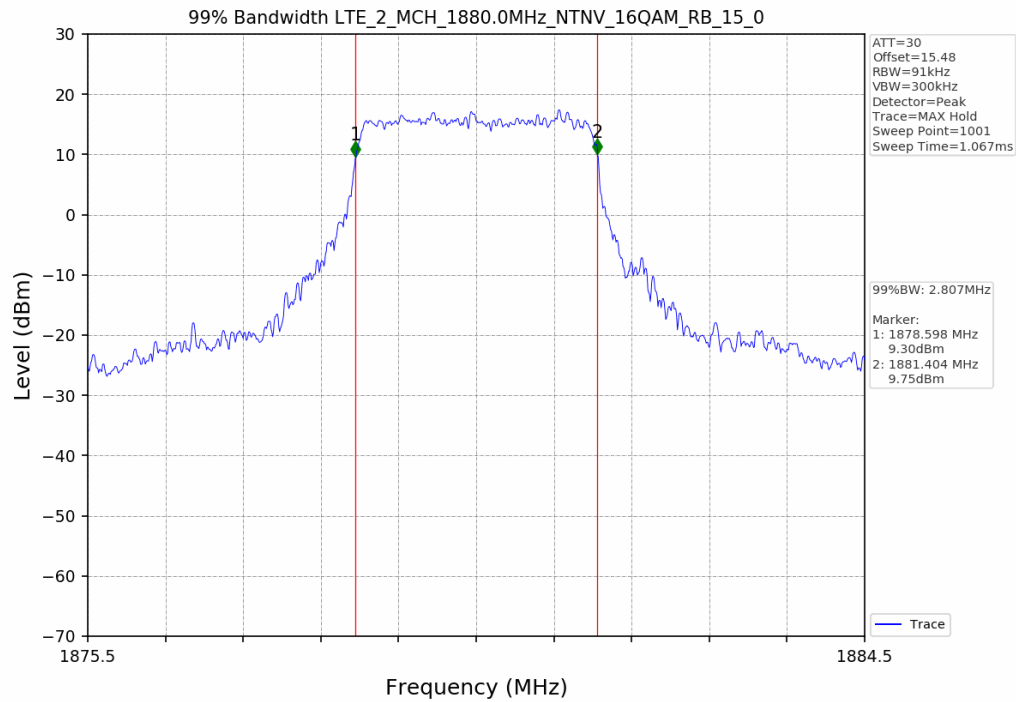


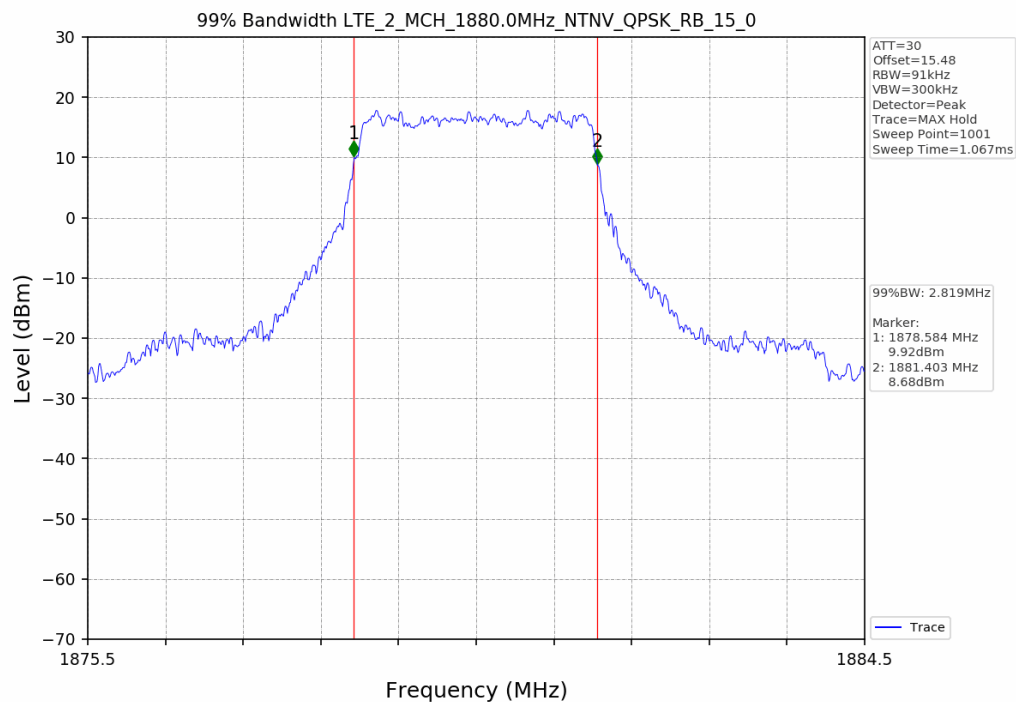
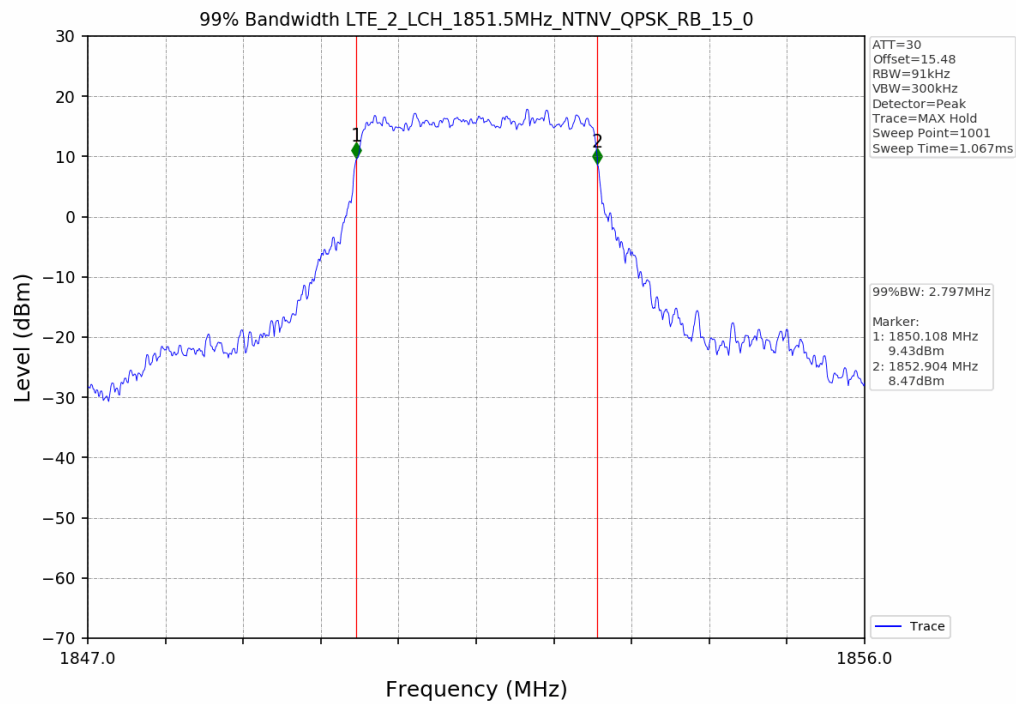
Test Band: 2_3MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

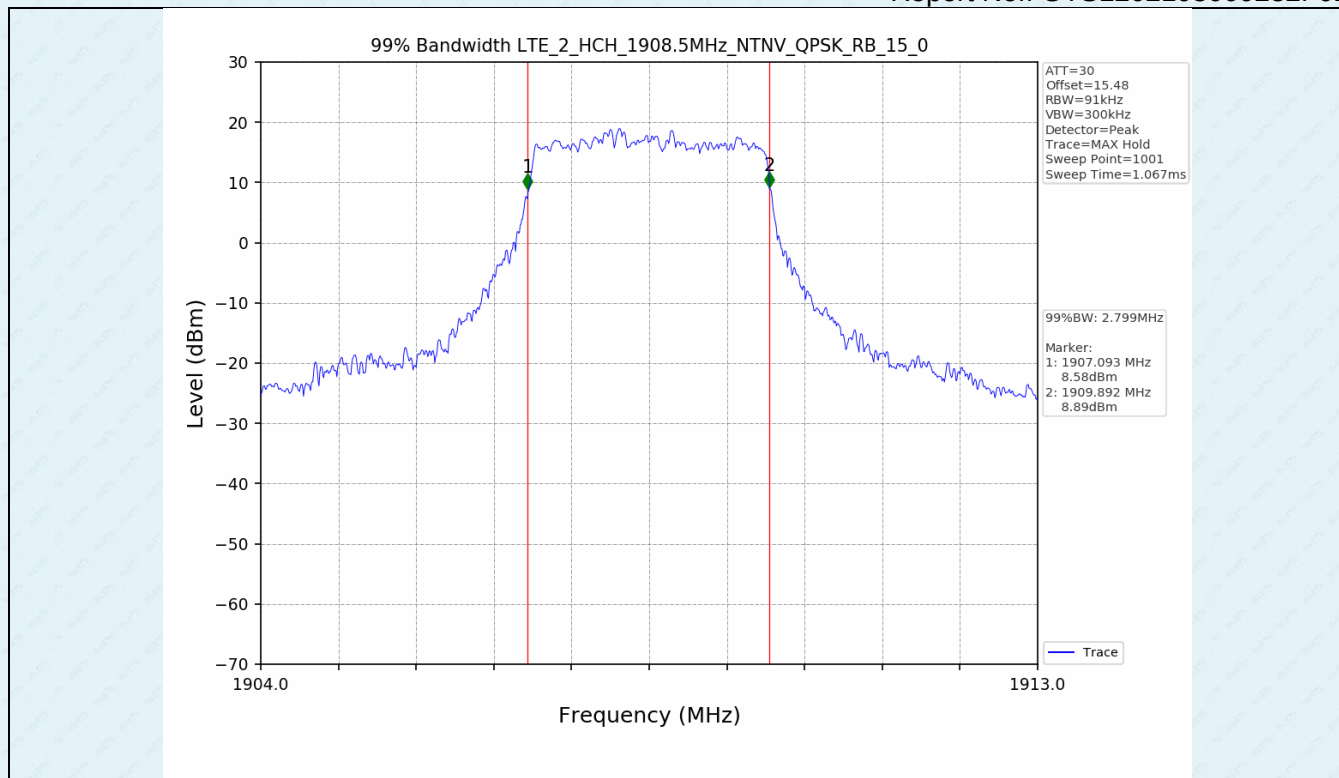
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.797	2.819	2.799	N/A	PASS
16QAM	15	0	2.803	2.807	2.821	N/A	PASS

3.2 Test Graph



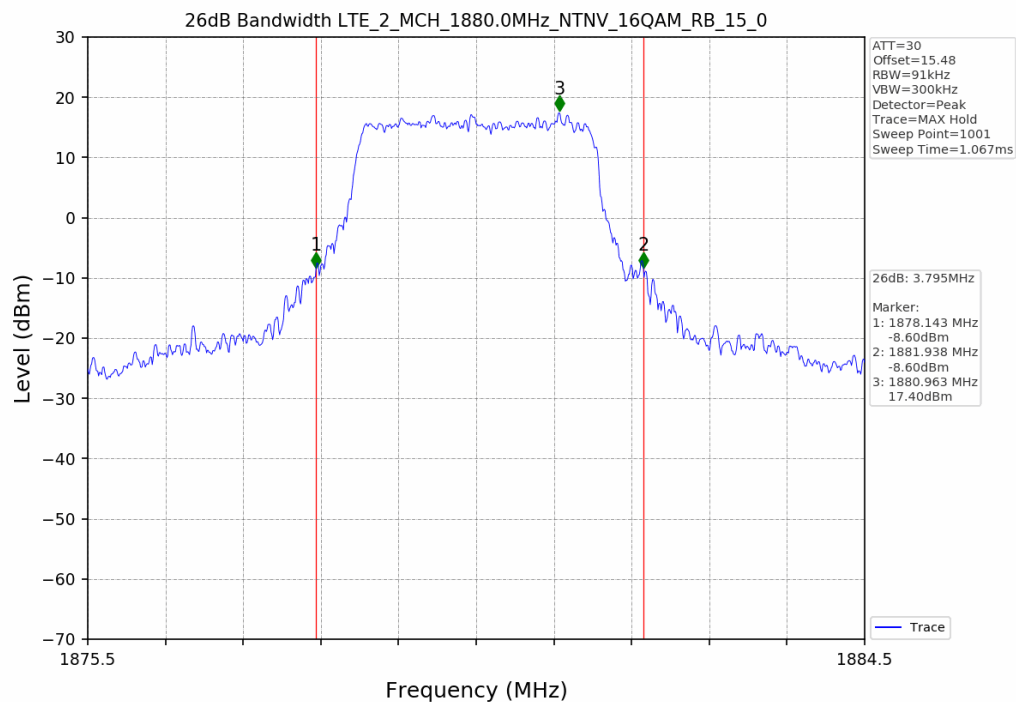
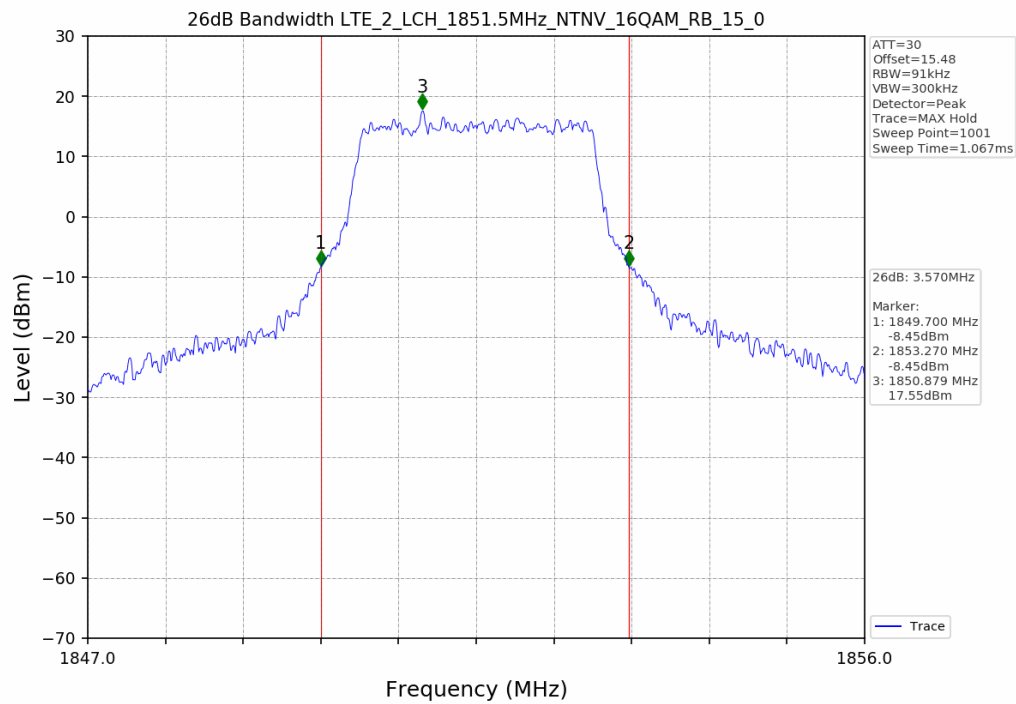


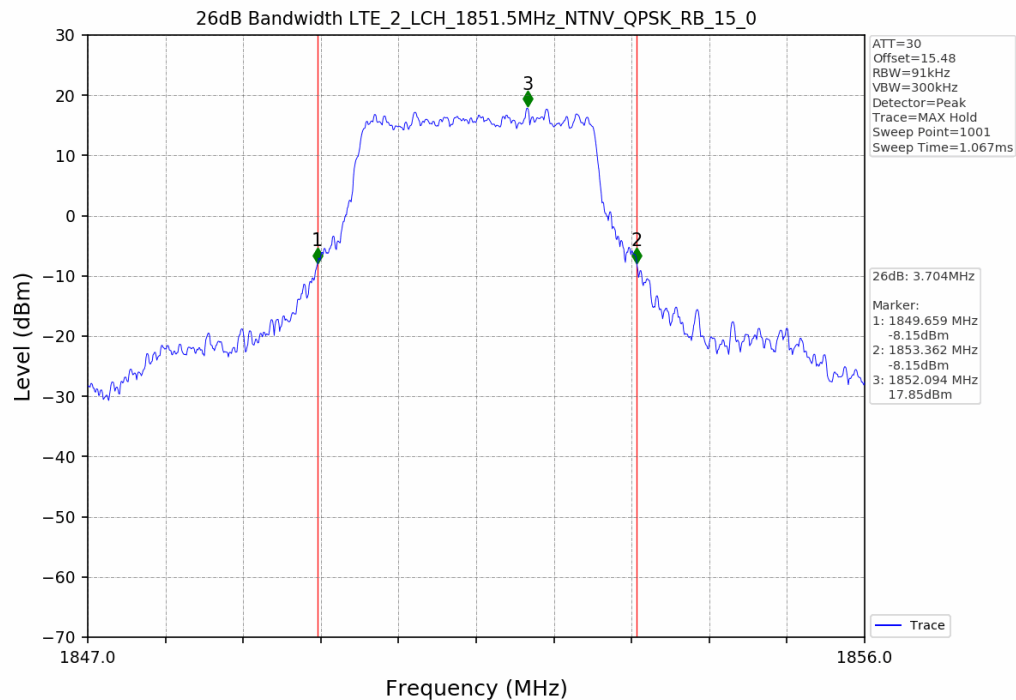
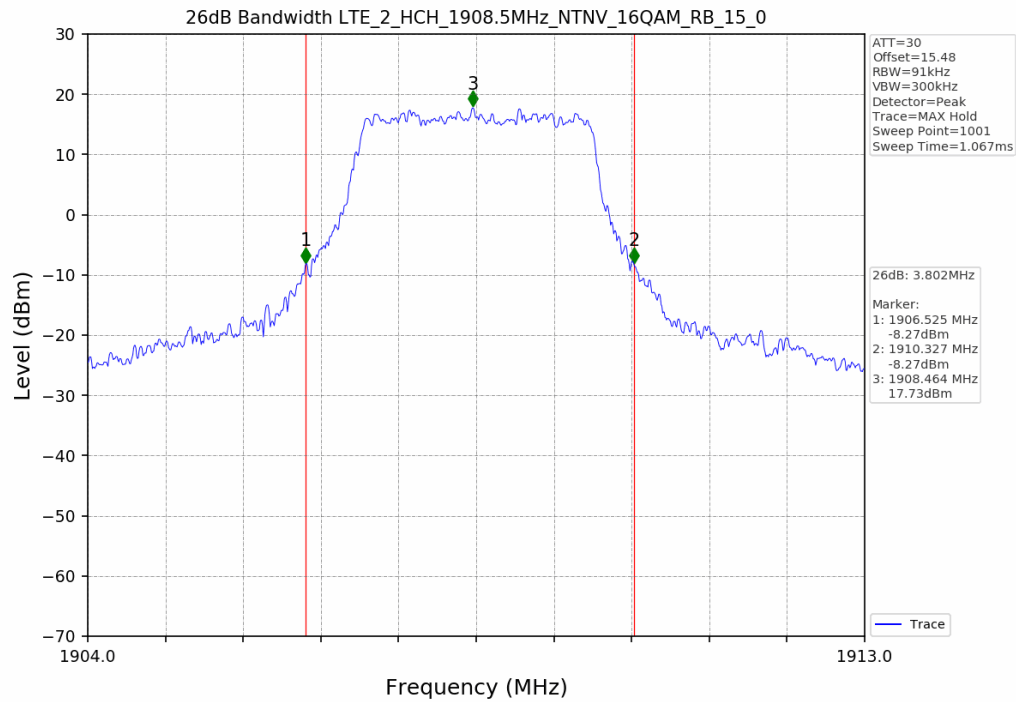


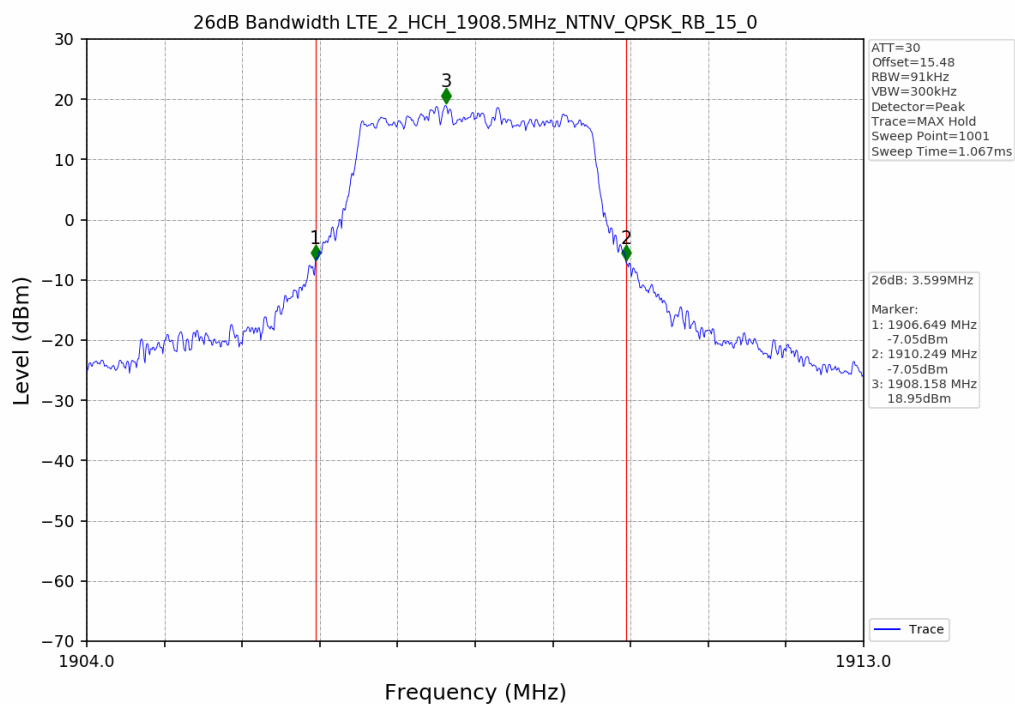
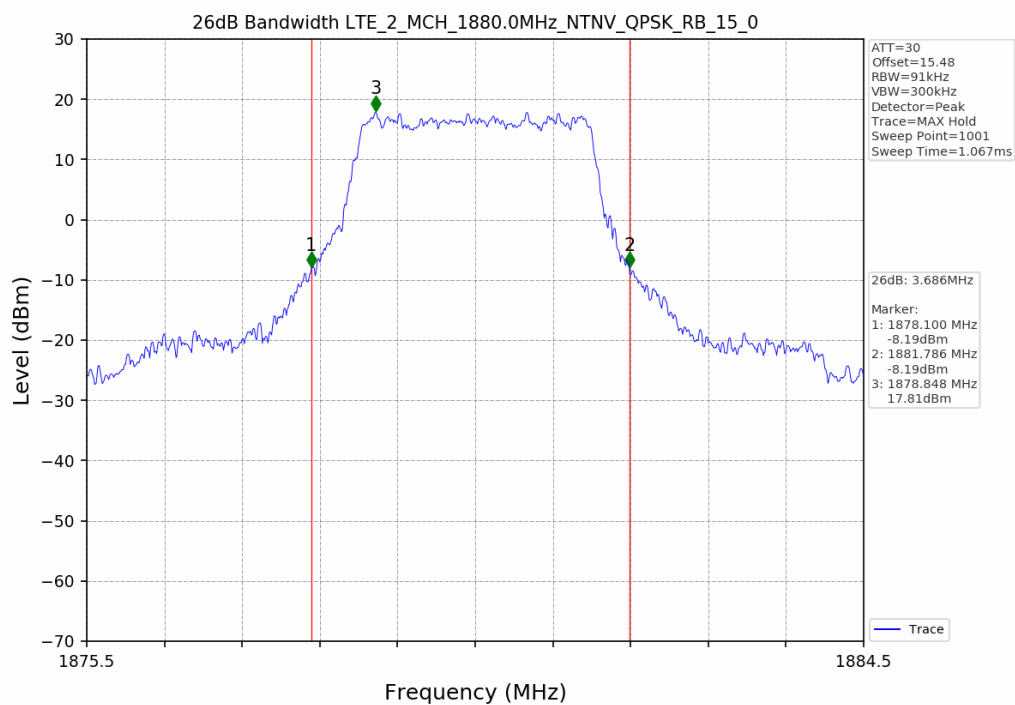


Test Band: 2_3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	3.704	3.686	3.599	N/A	PASS
16QAM	15	0	3.570	3.795	3.802	N/A	PASS

3.2 Test Graph



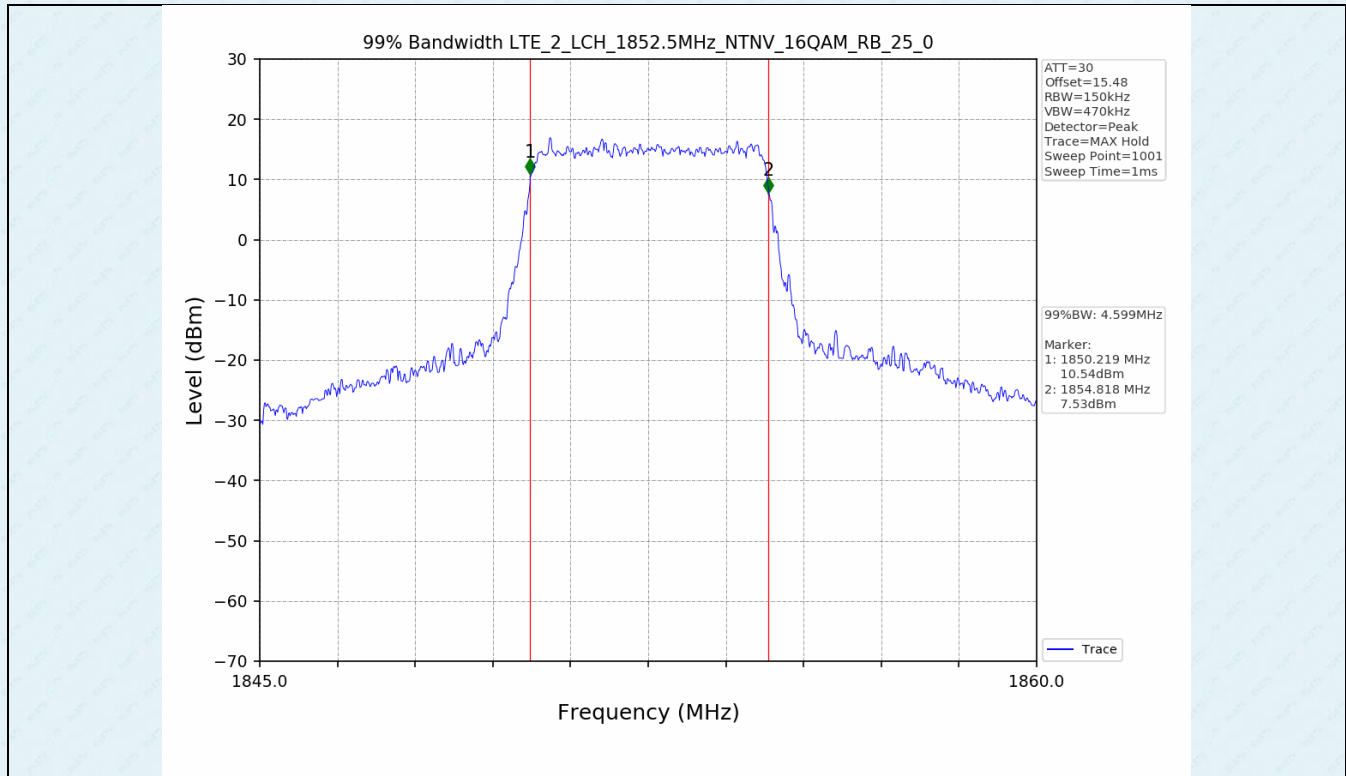


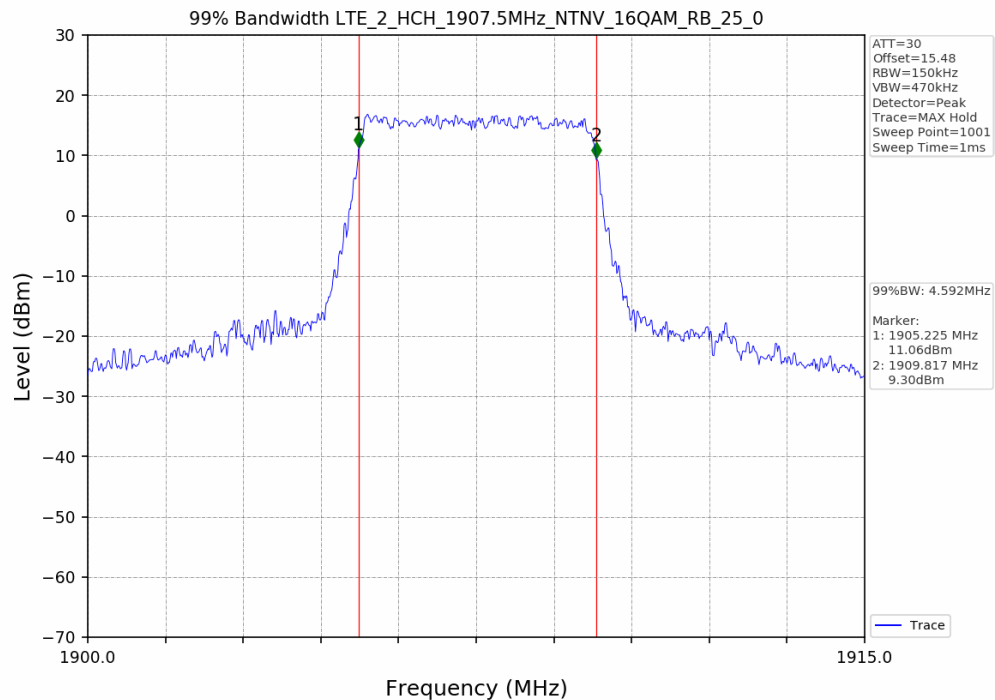
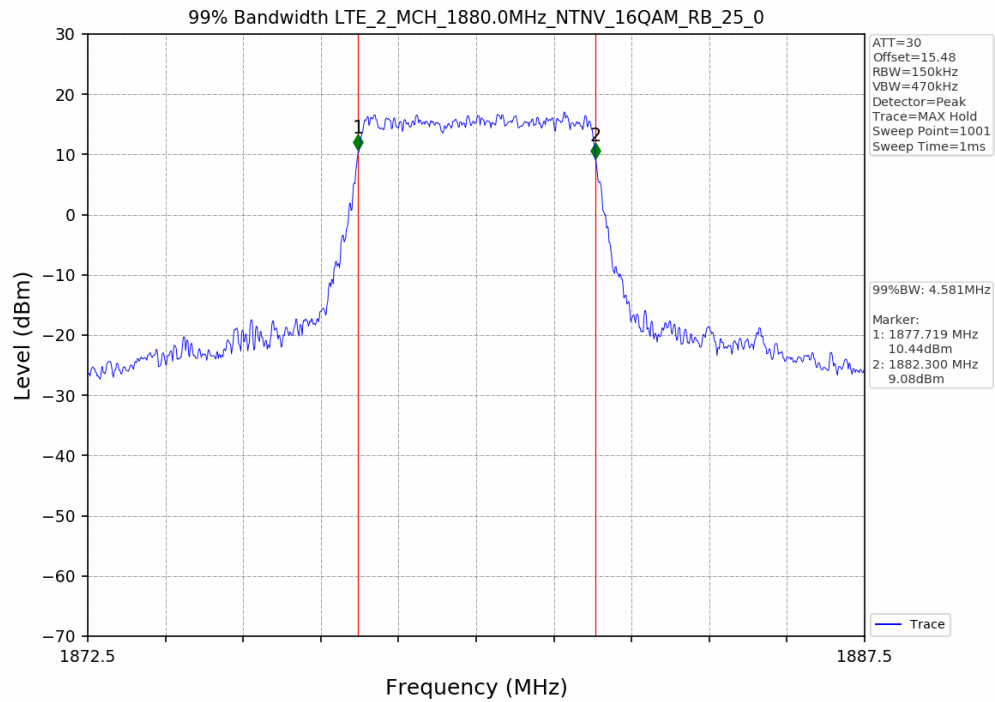


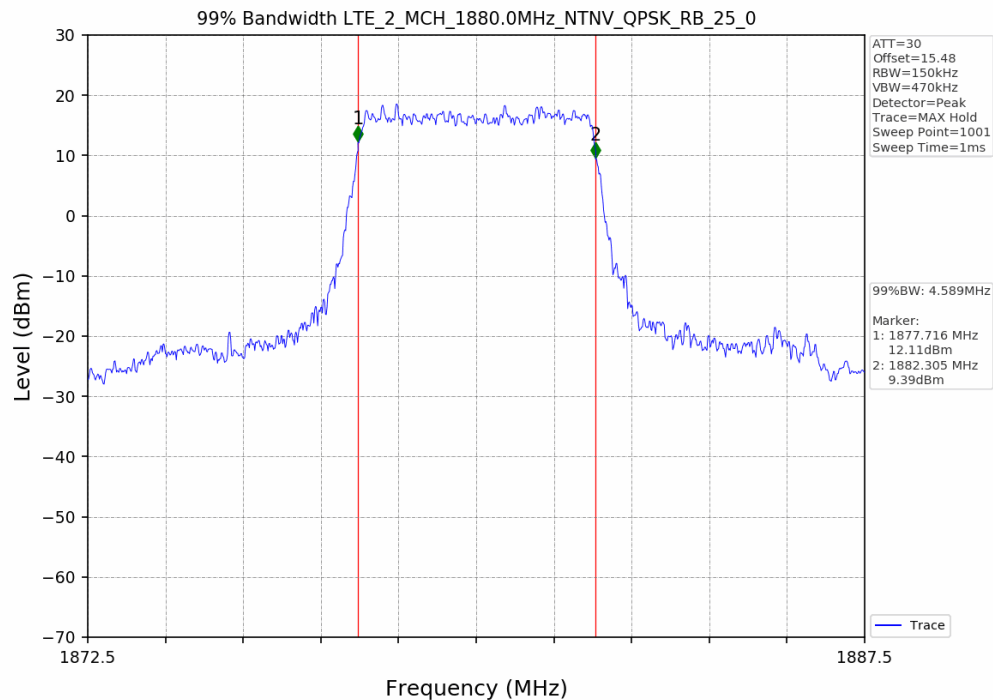
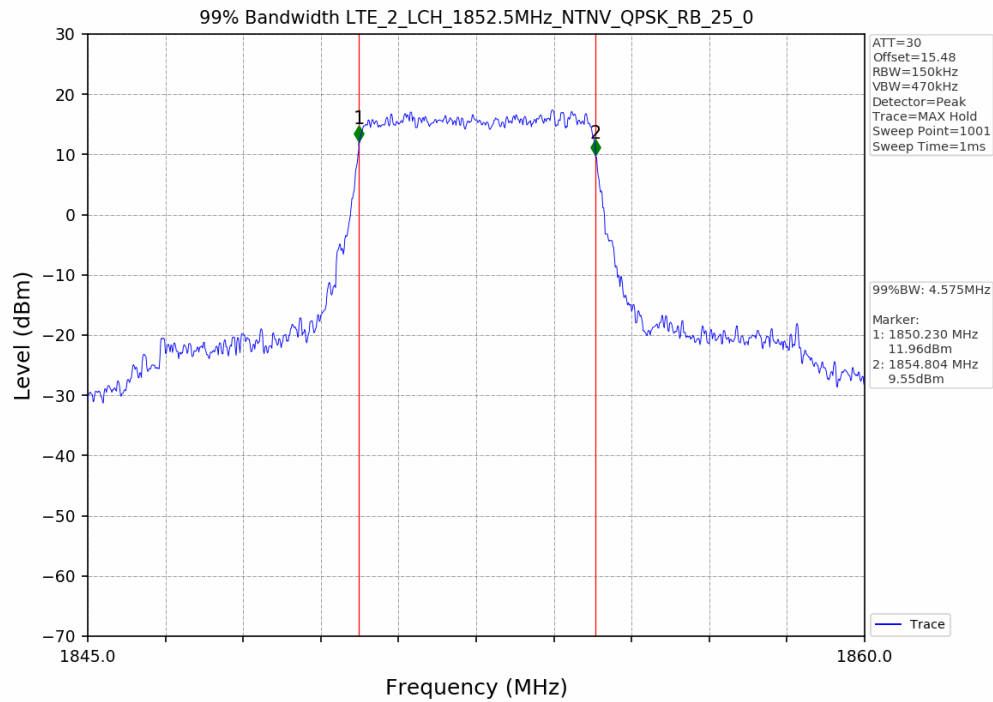
Test Band: 2_5MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

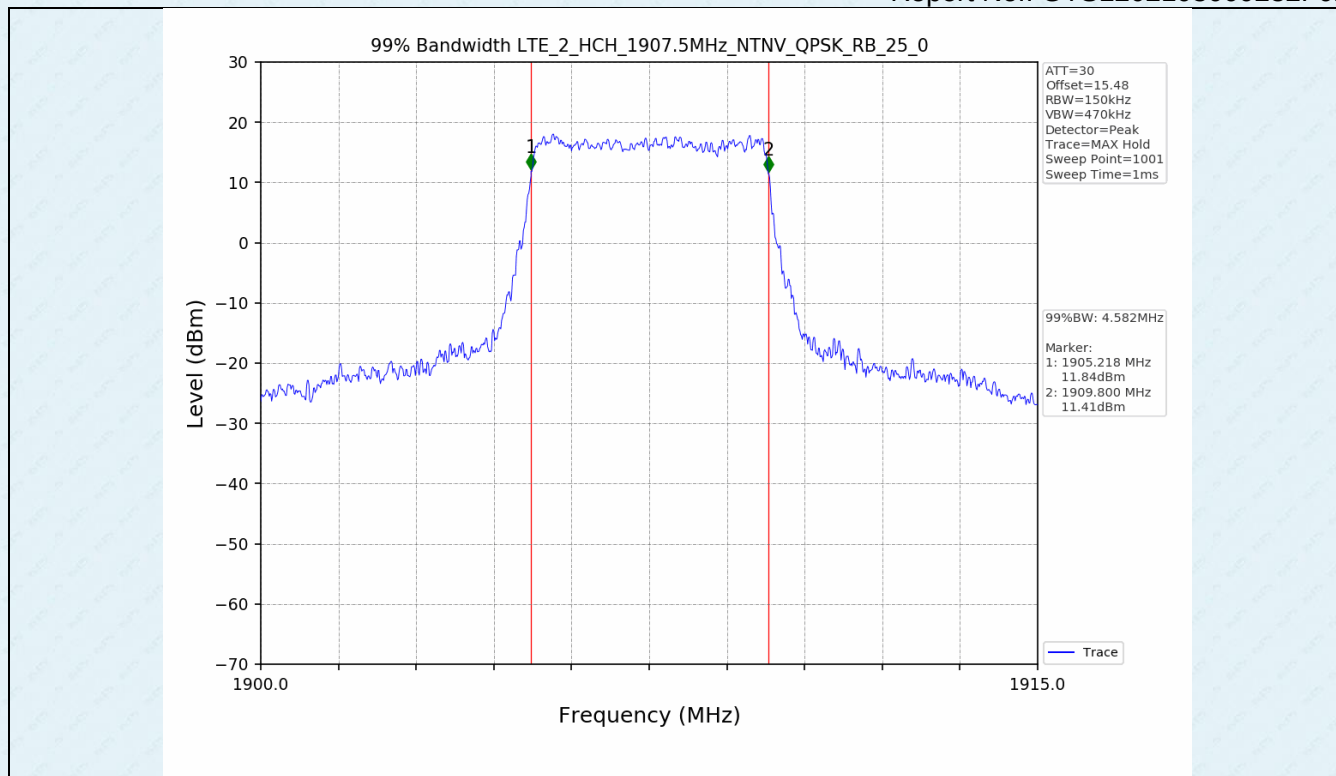
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.575	4.589	4.582	N/A	PASS
16QAM	25	0	4.599	4.581	4.592	N/A	PASS

3.2 Test Graph



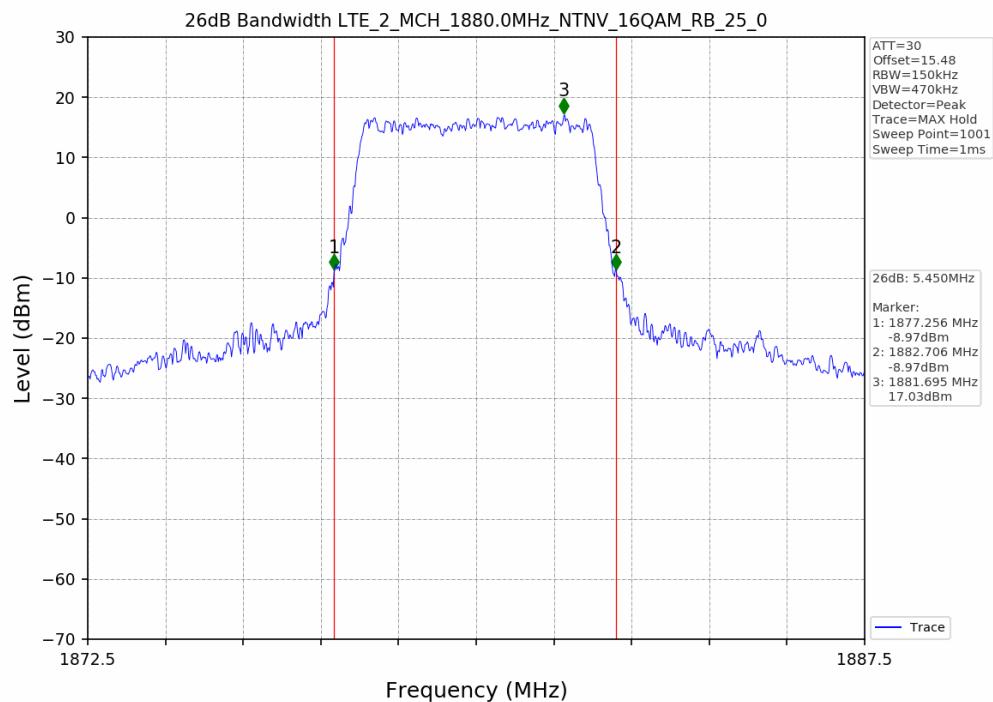
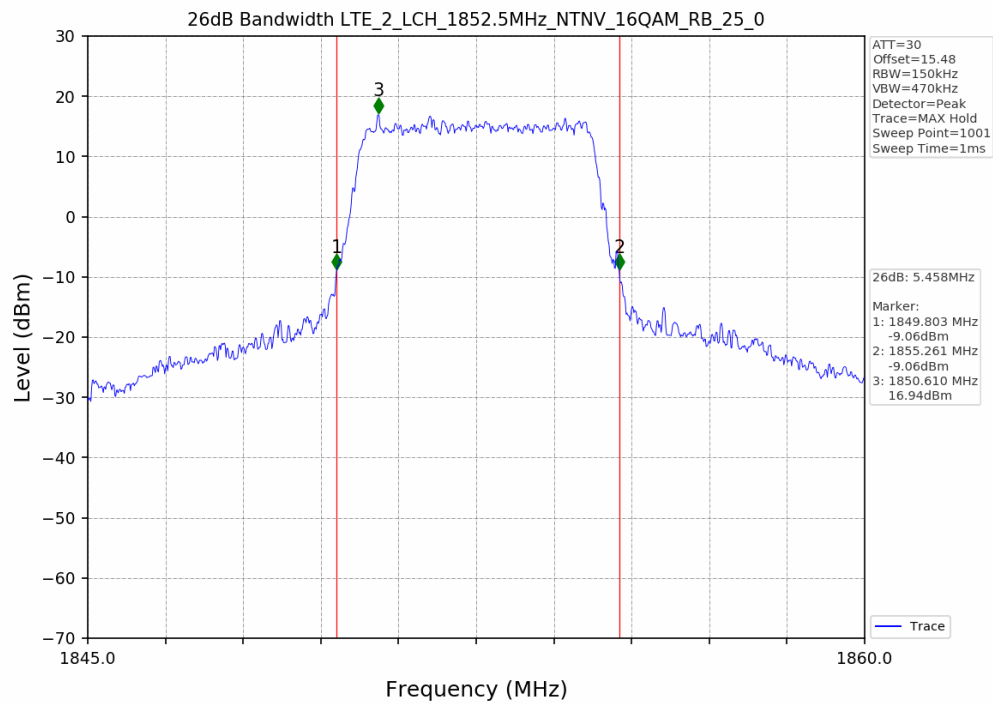


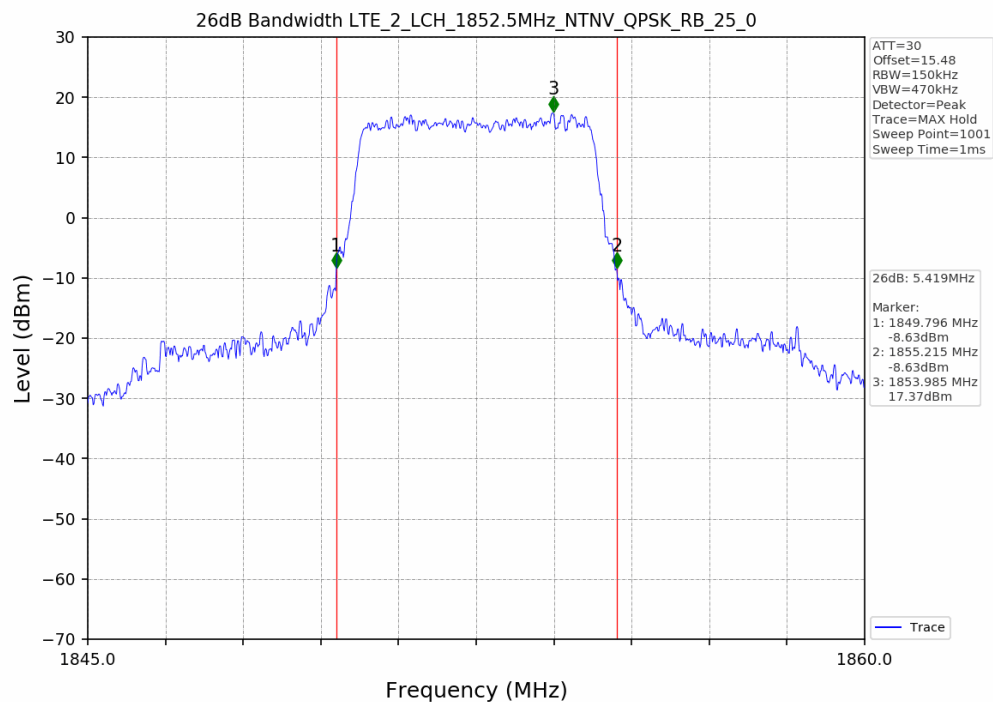
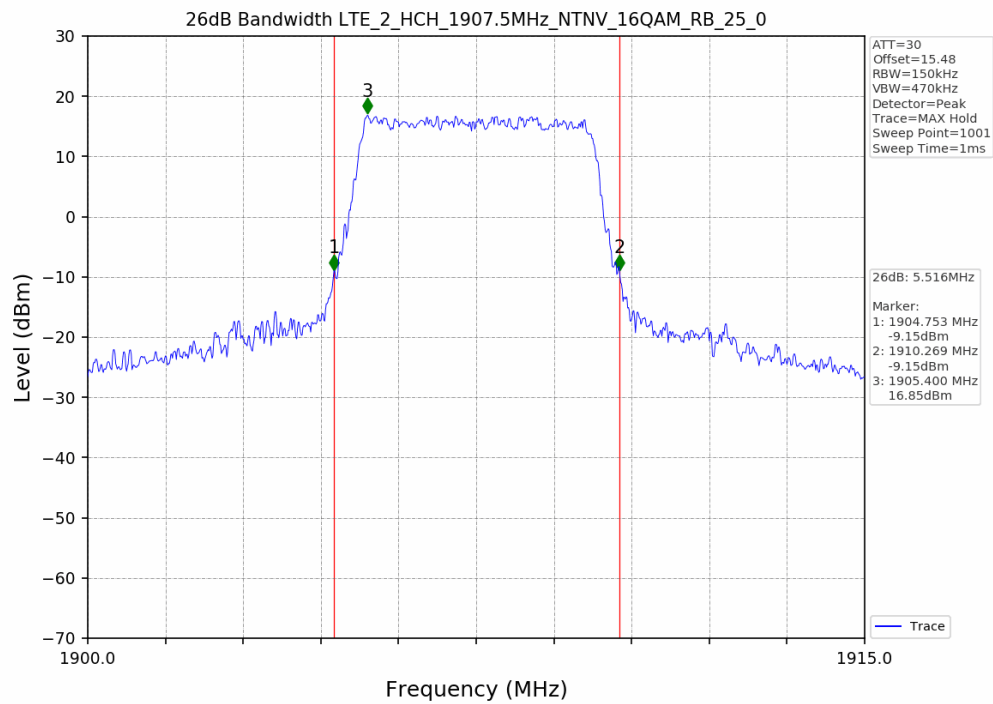


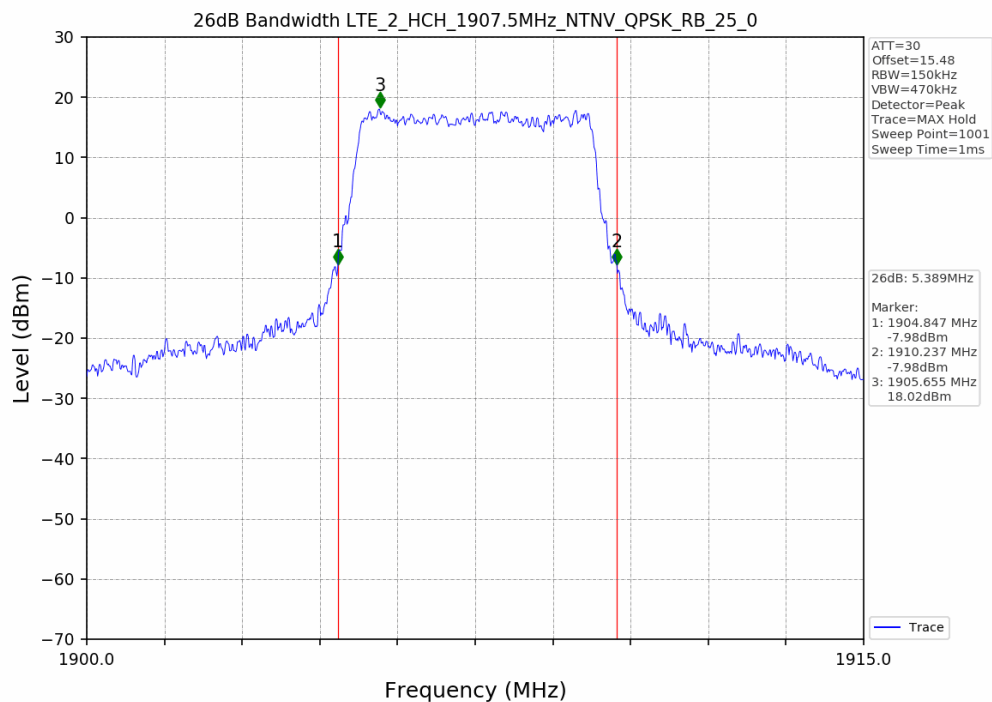
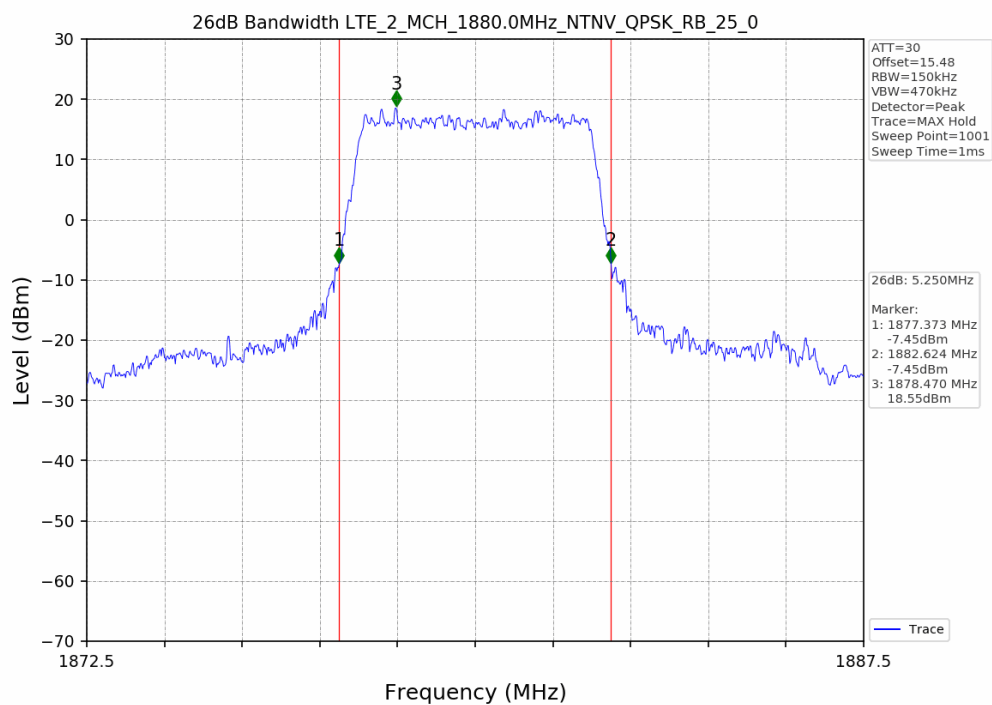


Test Band: 2_5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.419	5.250	5.389	N/A	PASS
16QAM	25	0	5.458	5.450	5.516	N/A	PASS

3.2 Test Graph



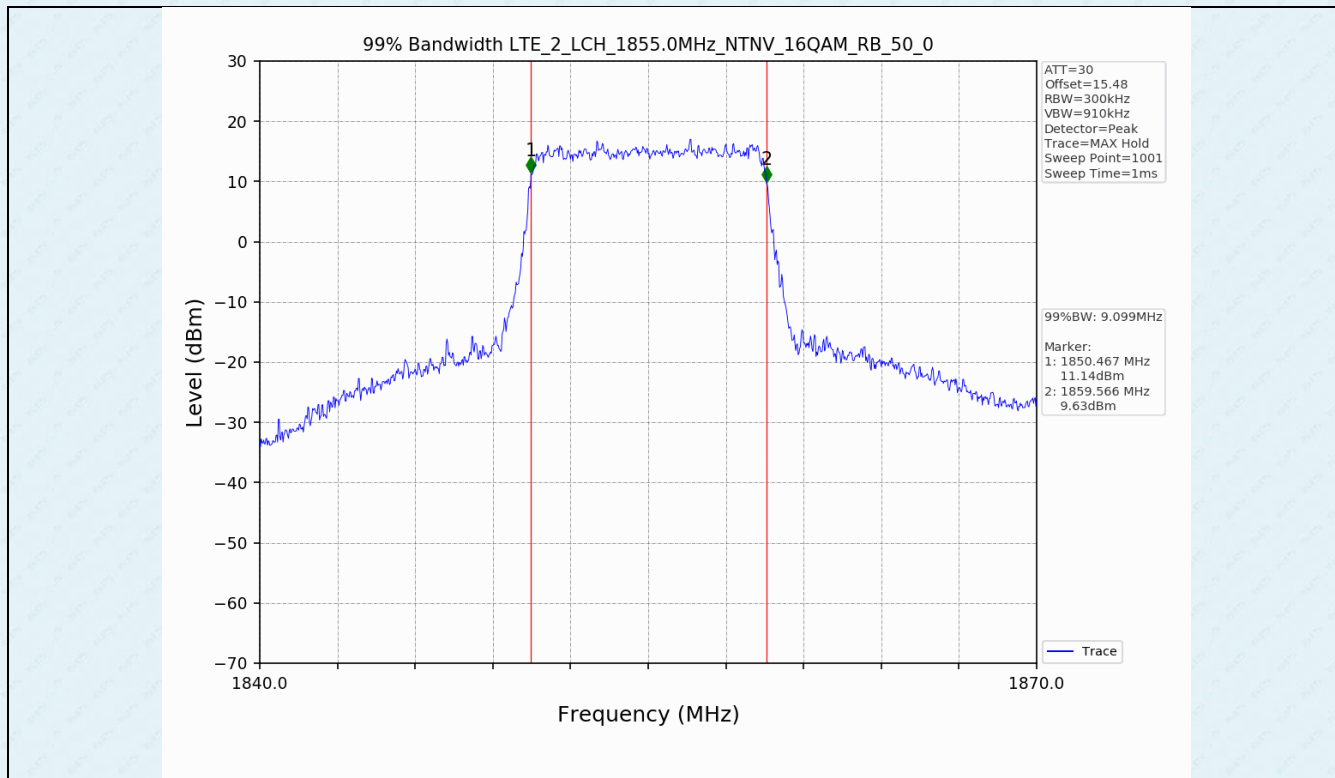


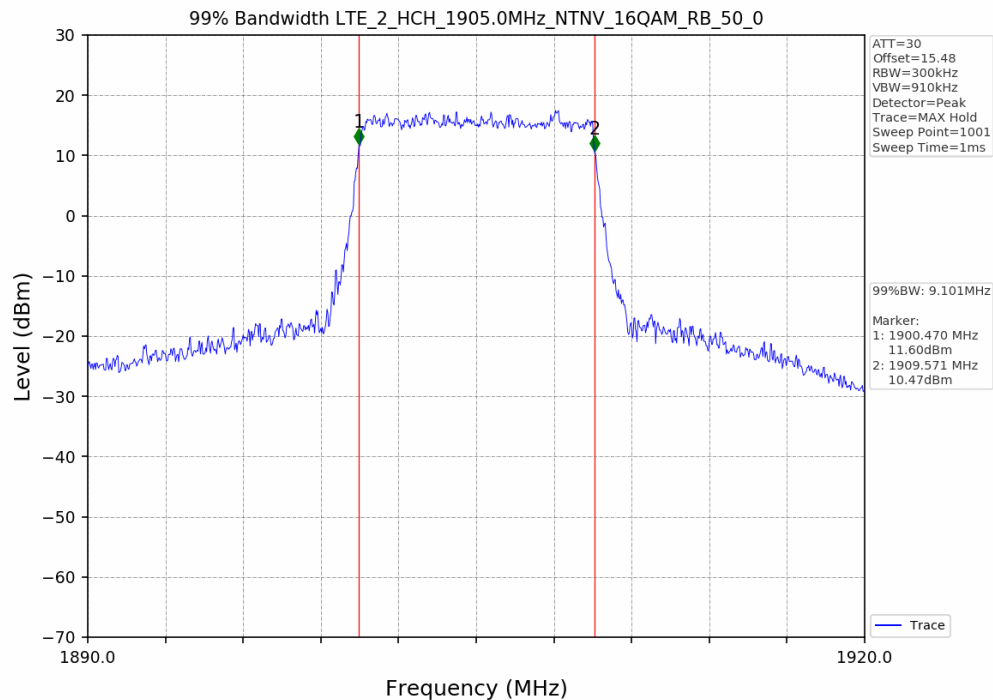
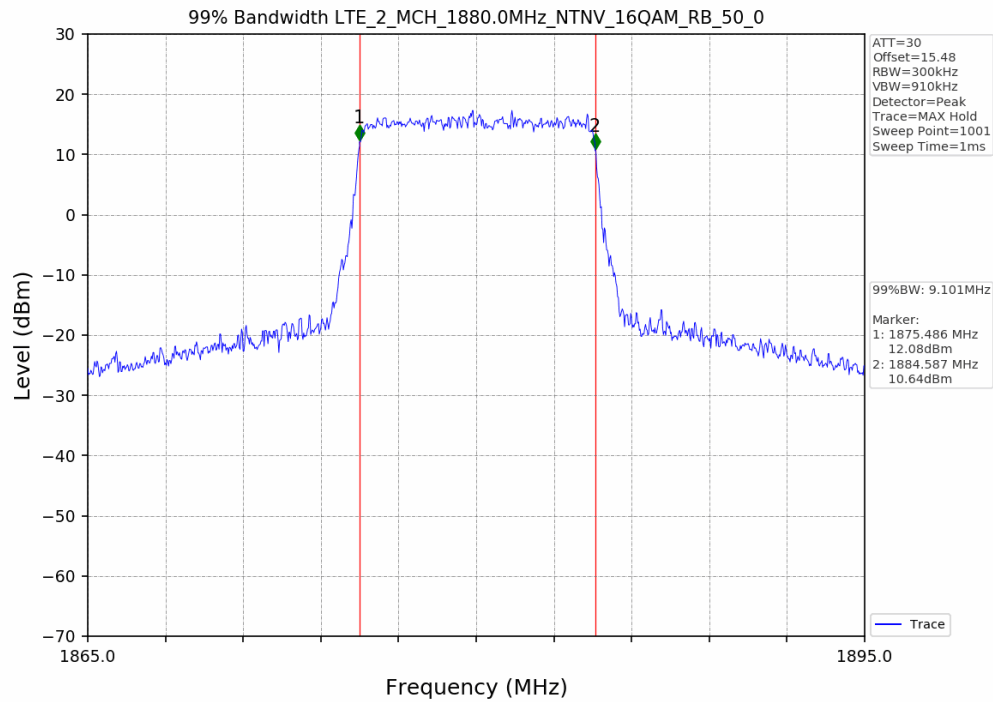


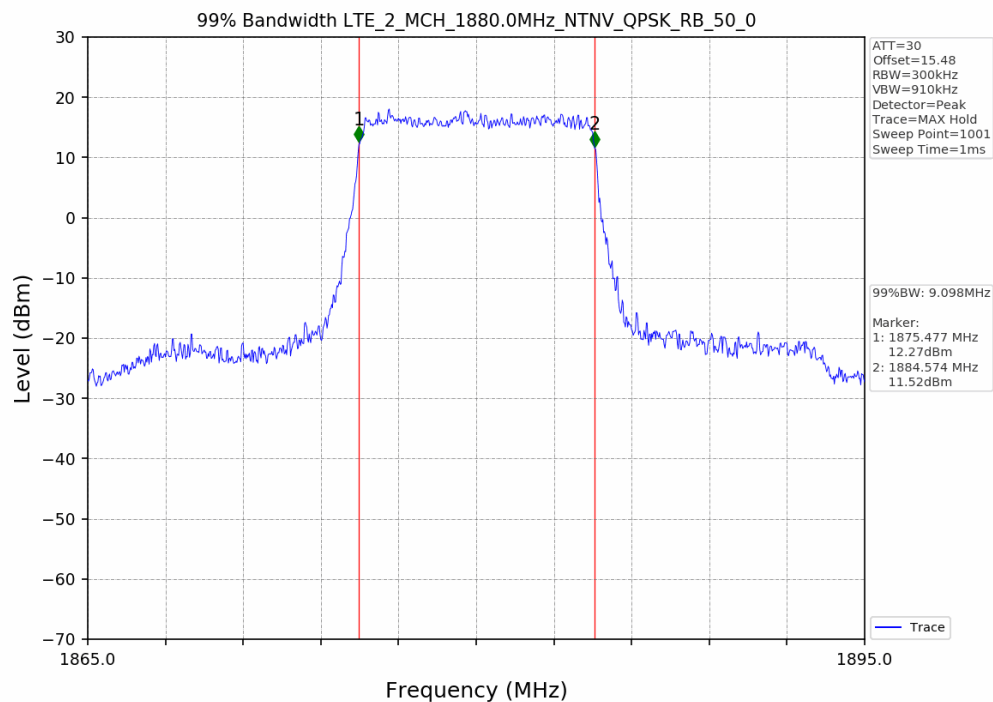
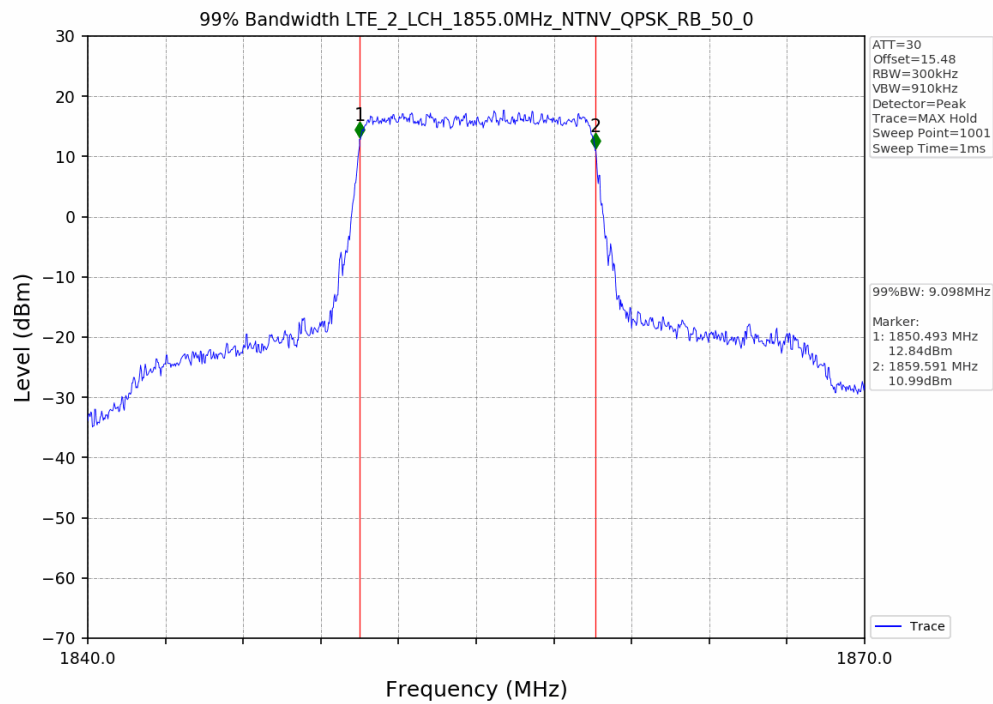
Test Band: 2_10MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

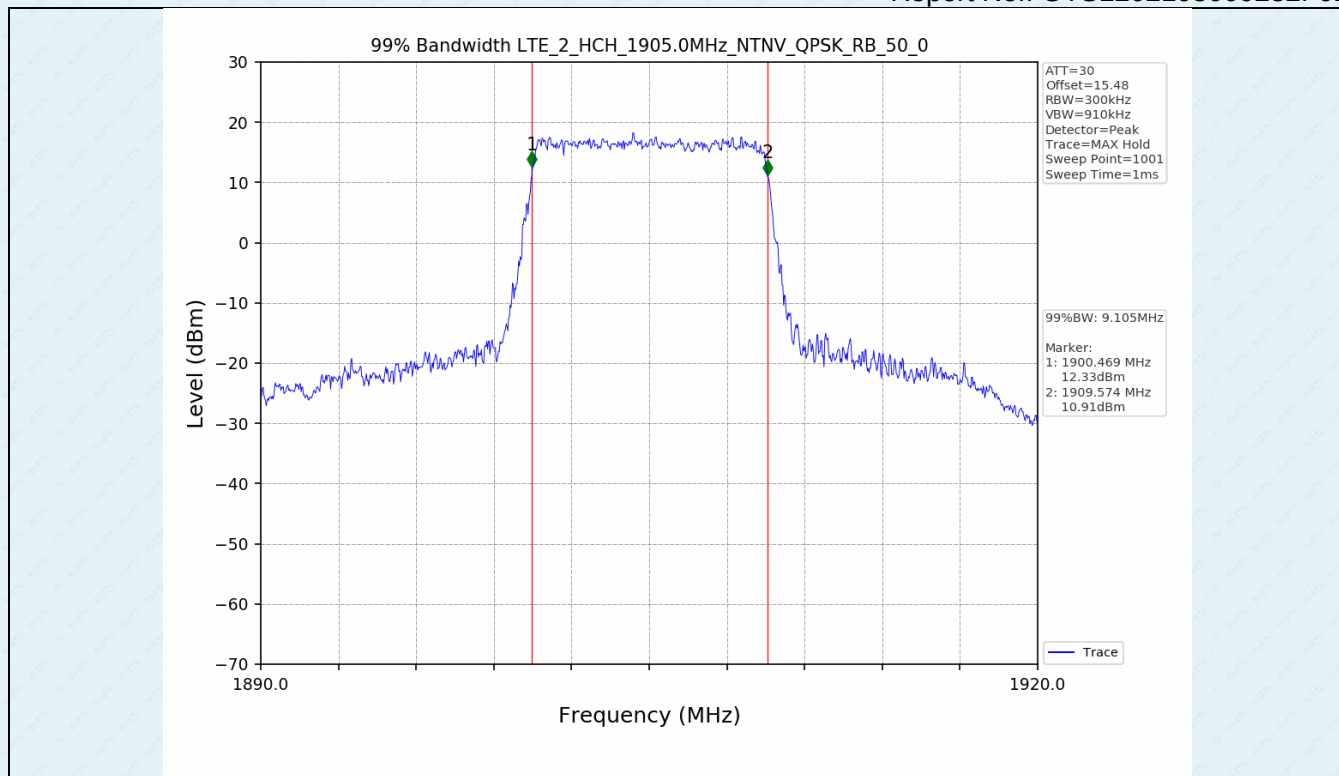
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.098	9.098	9.105	N/A	PASS
16QAM	50	0	9.099	9.101	9.101	N/A	PASS

3.2 Test Graph



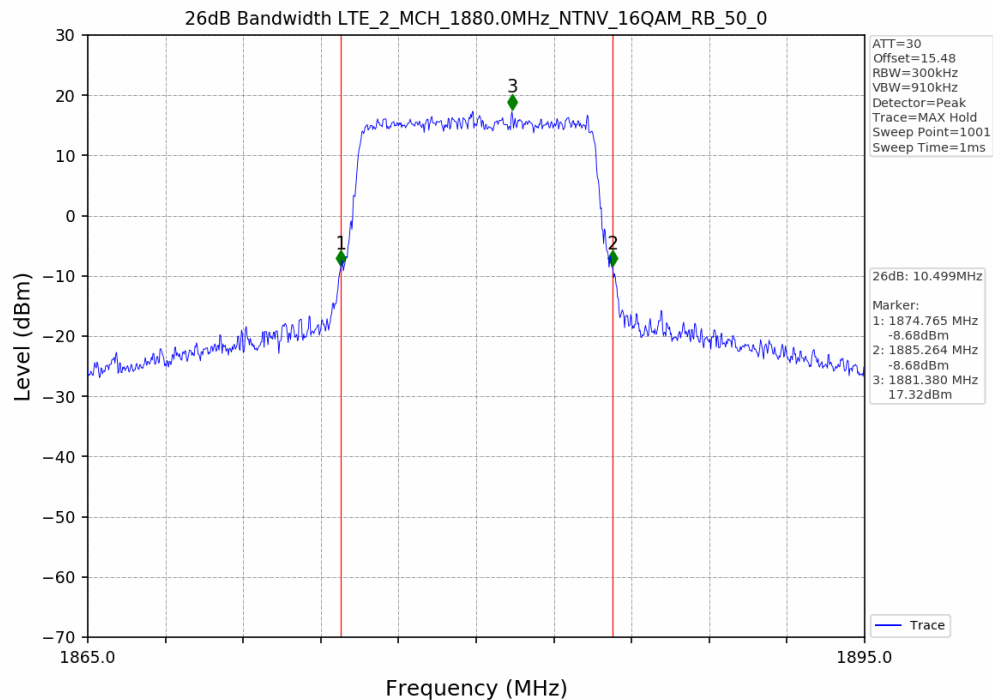
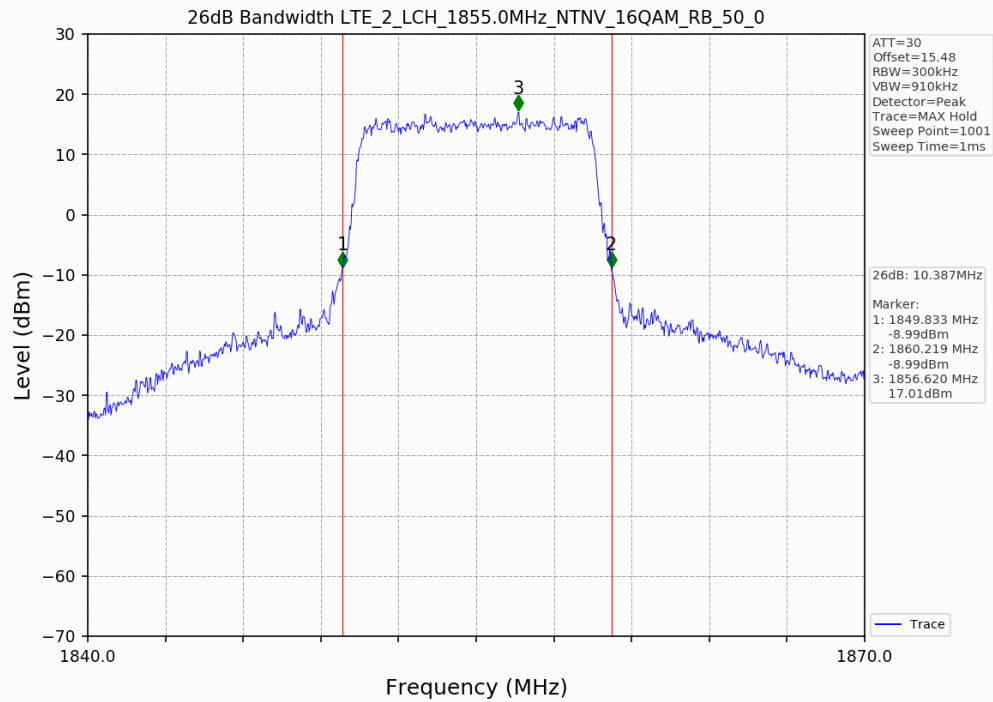


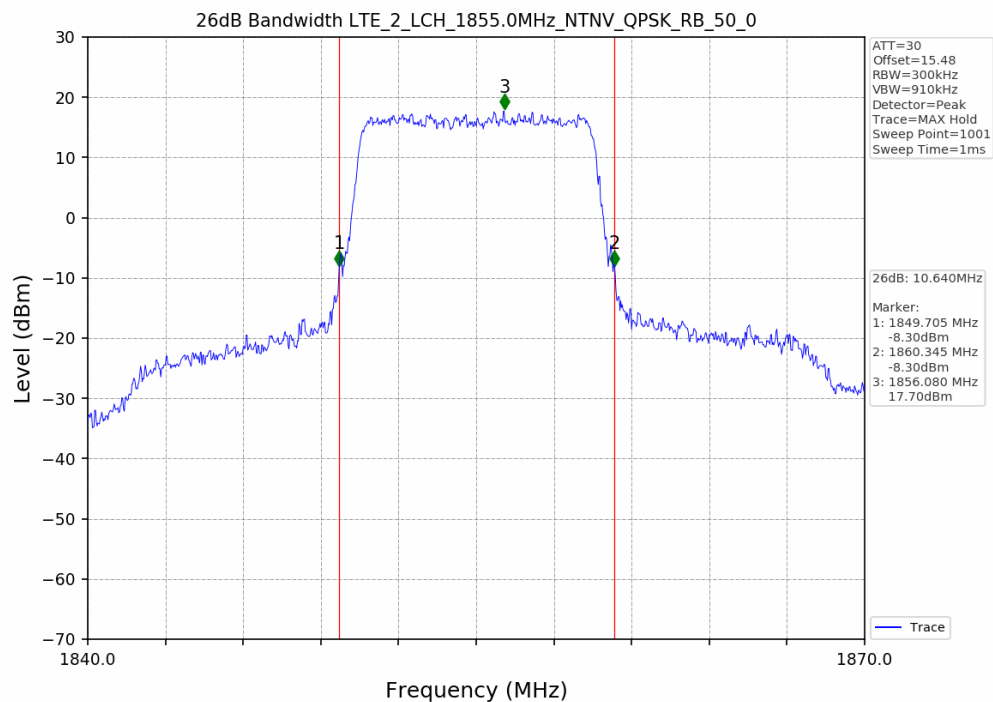
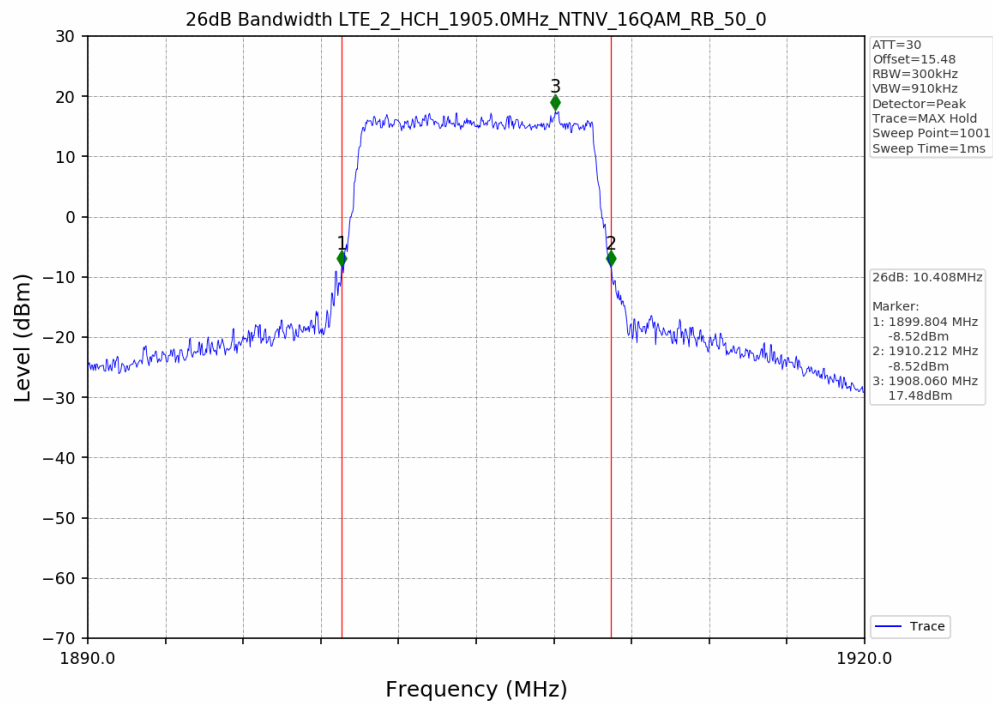


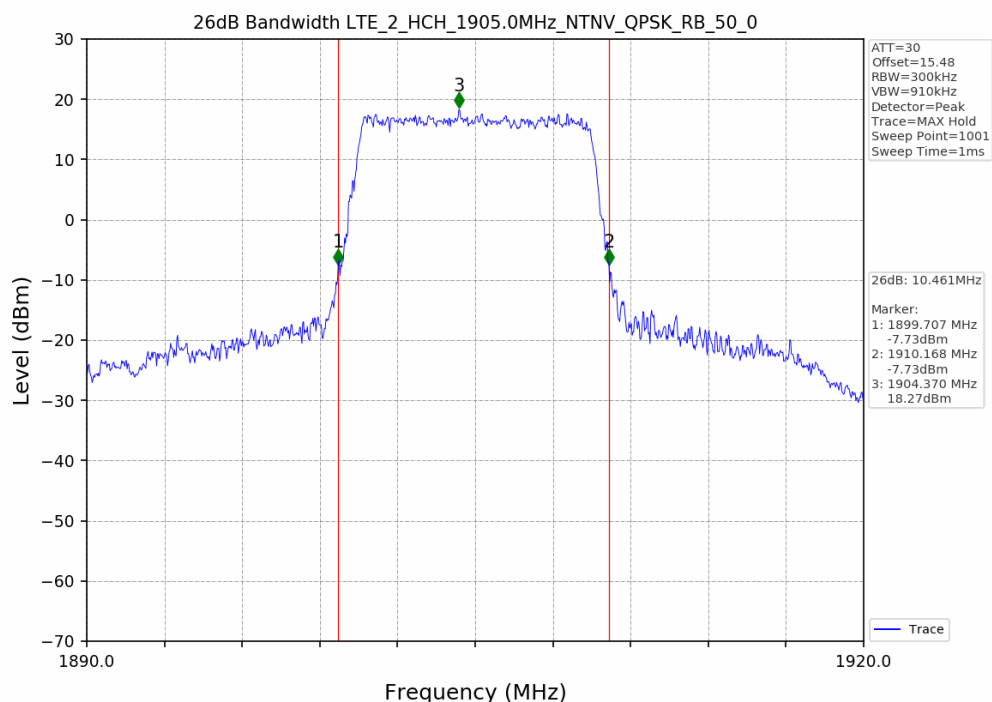
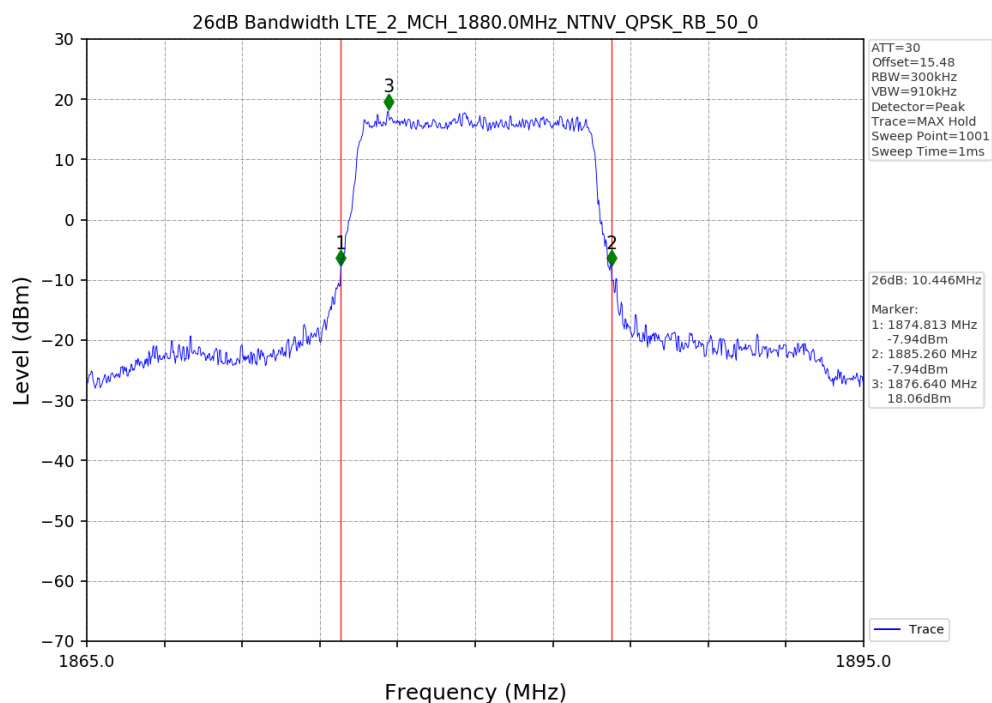


Test Band: 2_10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	10.640	10.446	10.461	N/A	PASS
16QAM	50	0	10.387	10.499	10.408	N/A	PASS

3.2 Test Graph



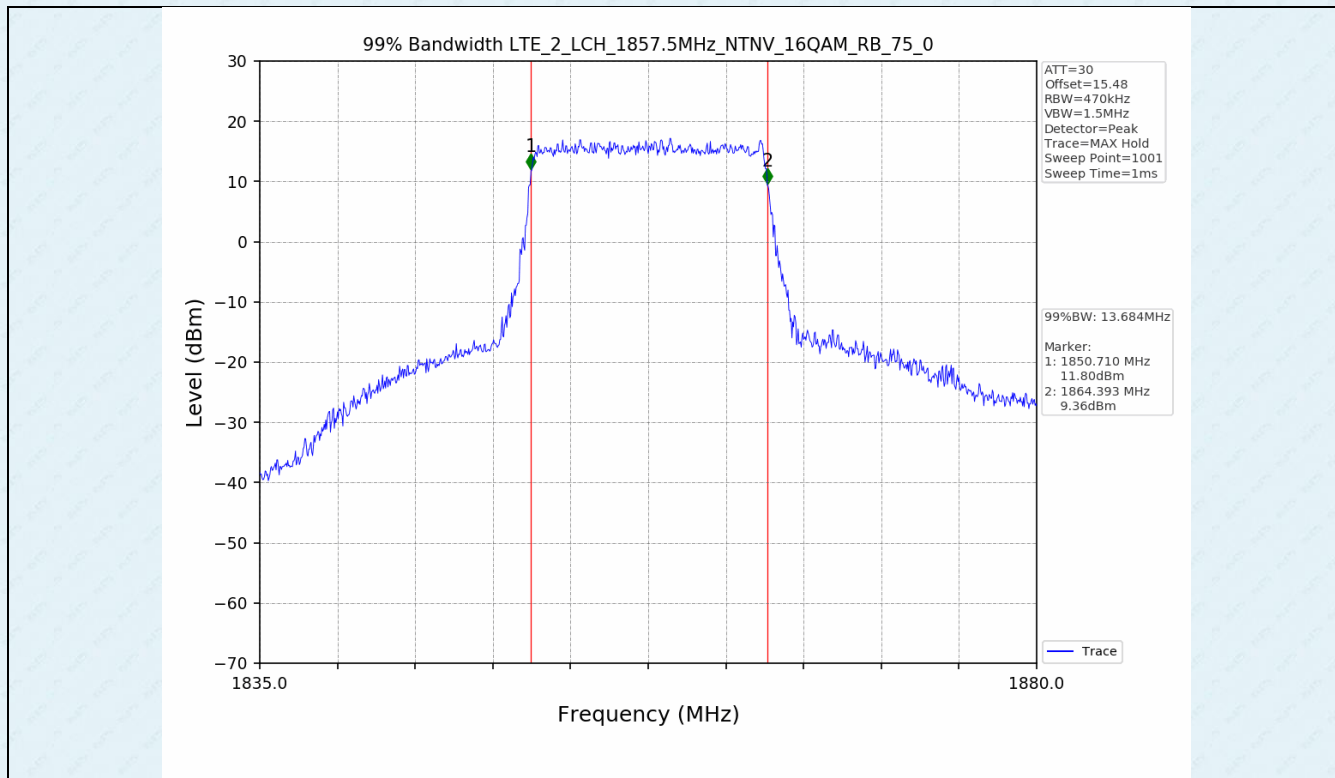


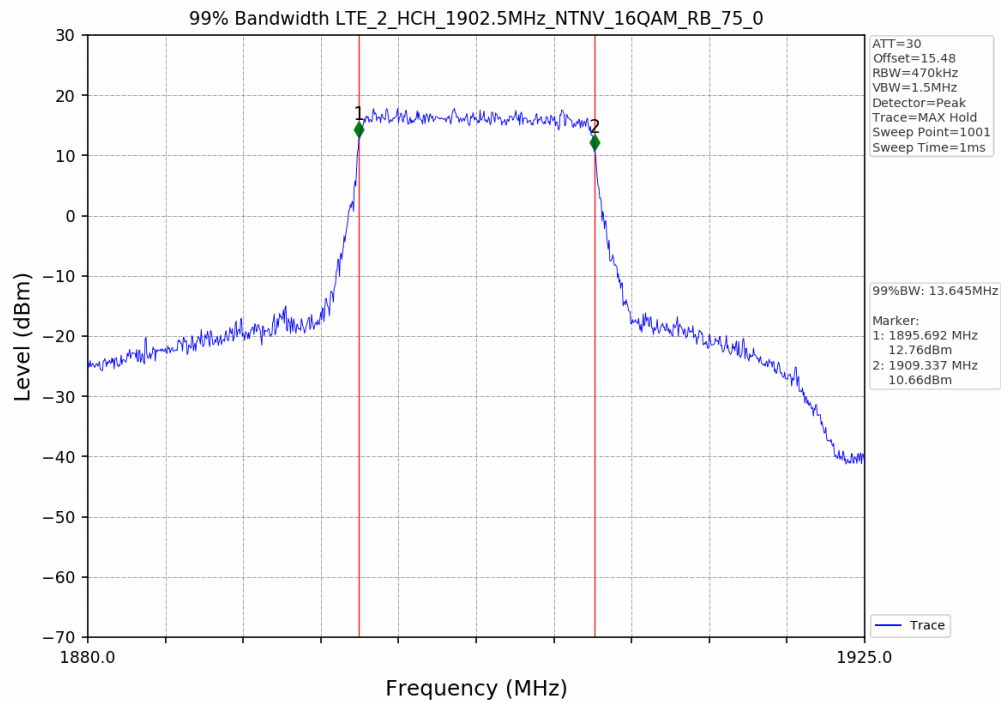
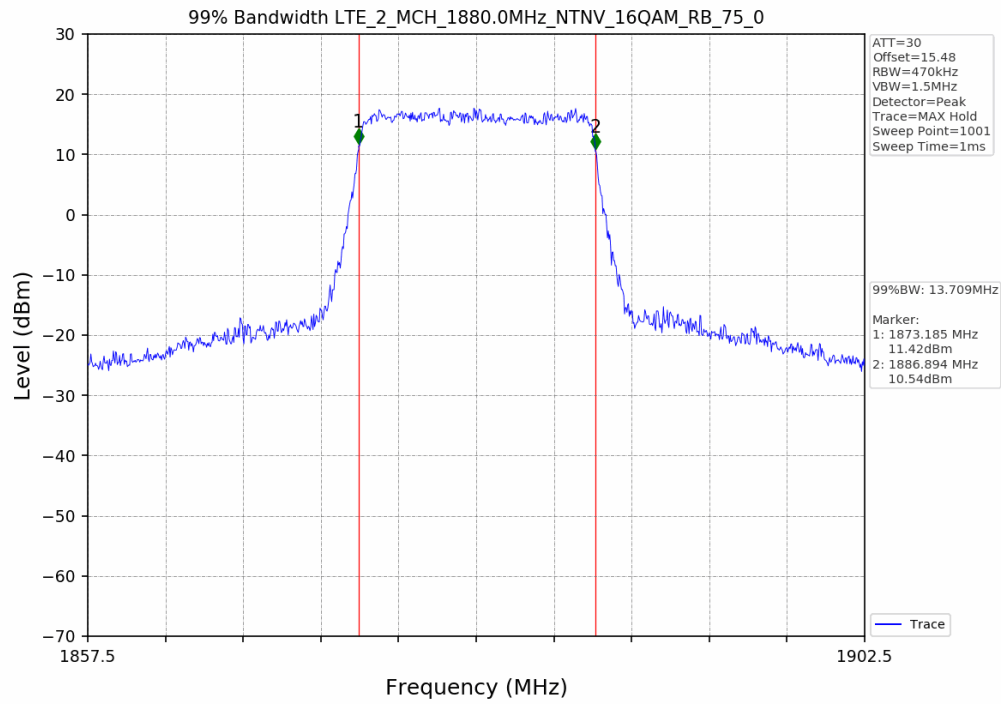


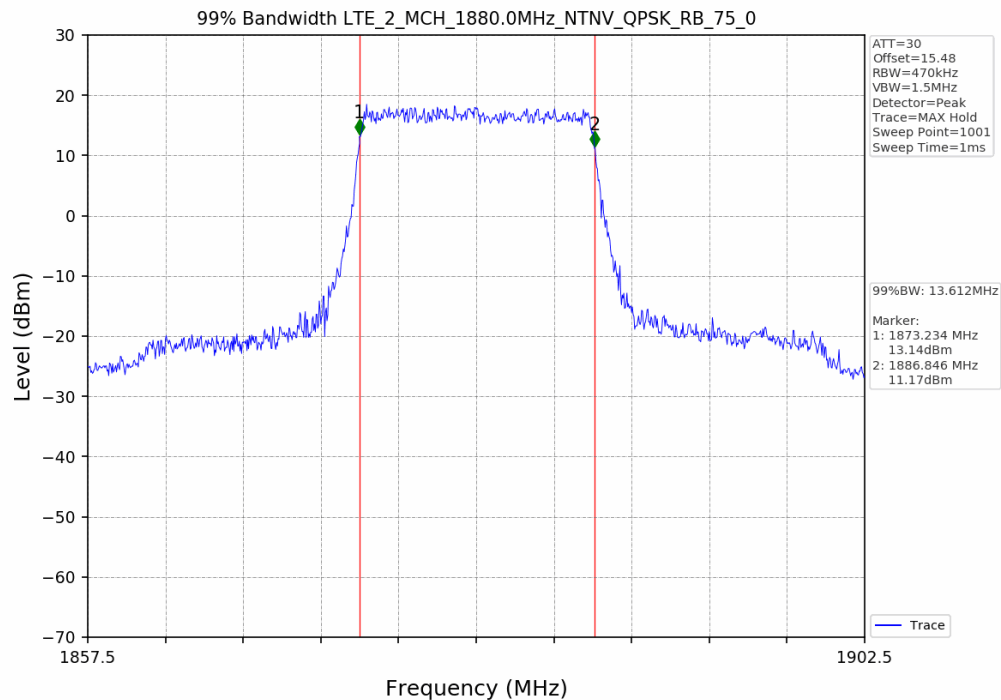
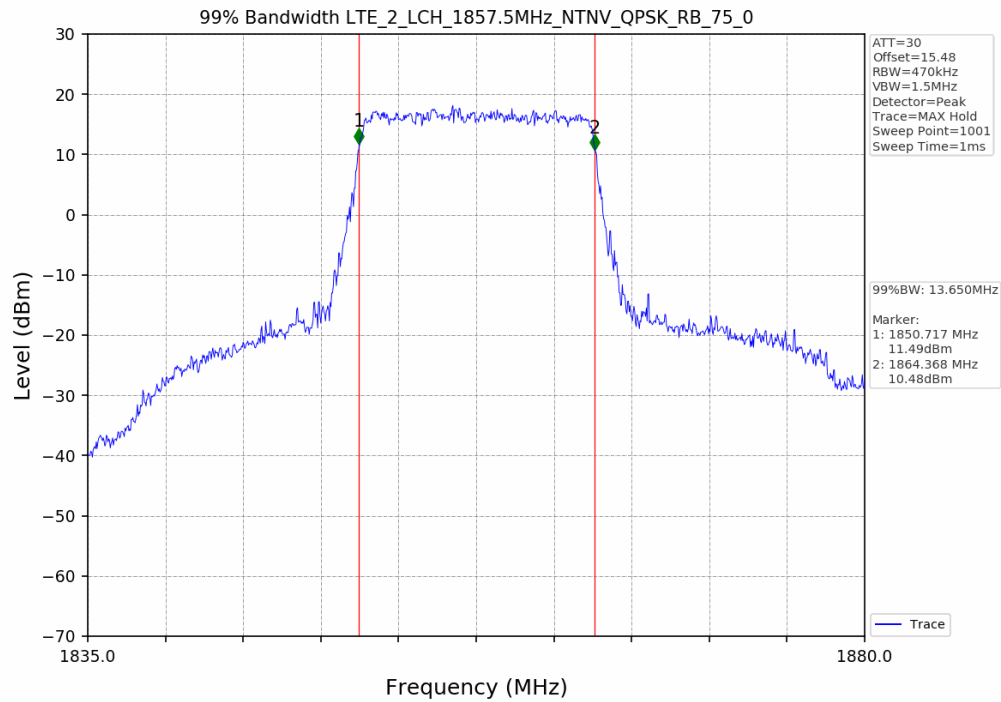
Test Band: 2_15MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

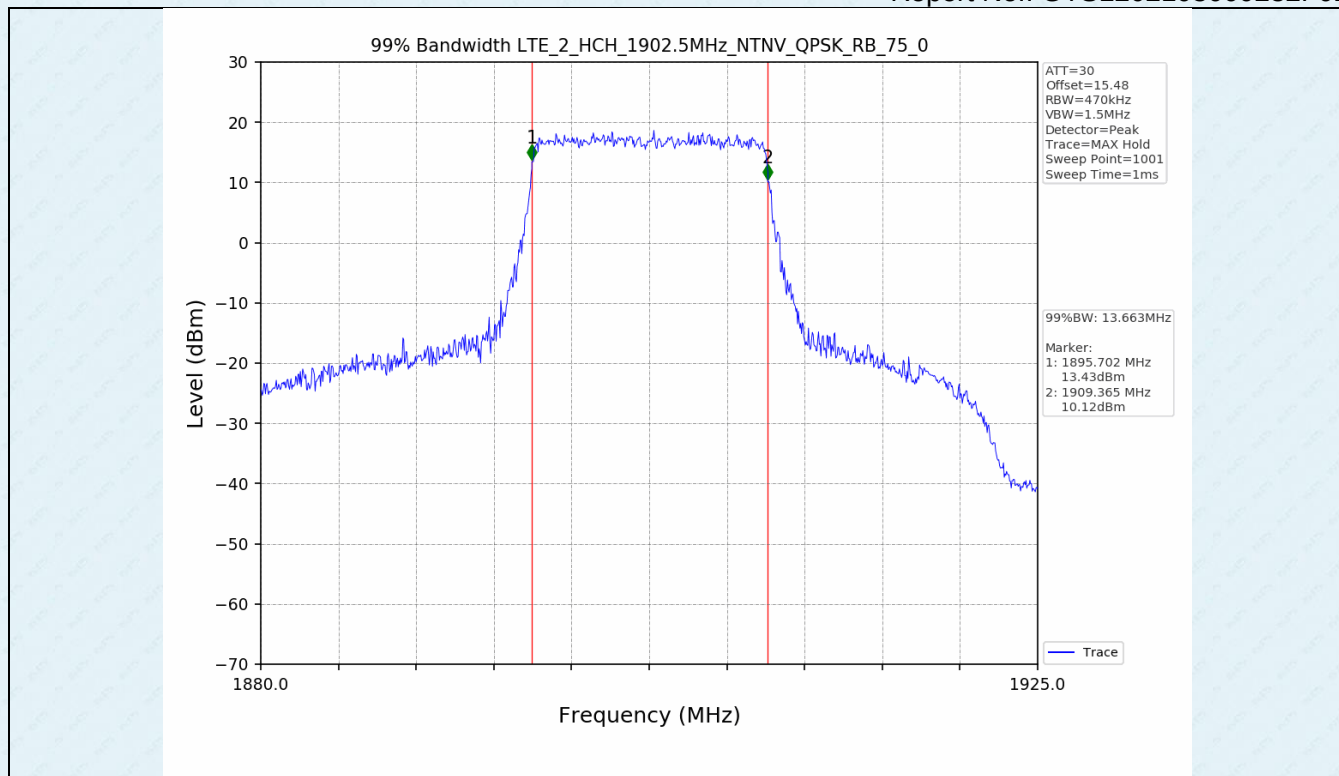
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	13.650	13.612	13.663	N/A	PASS
16QAM	75	0	13.684	13.709	13.645	N/A	PASS

3.2 Test Graph



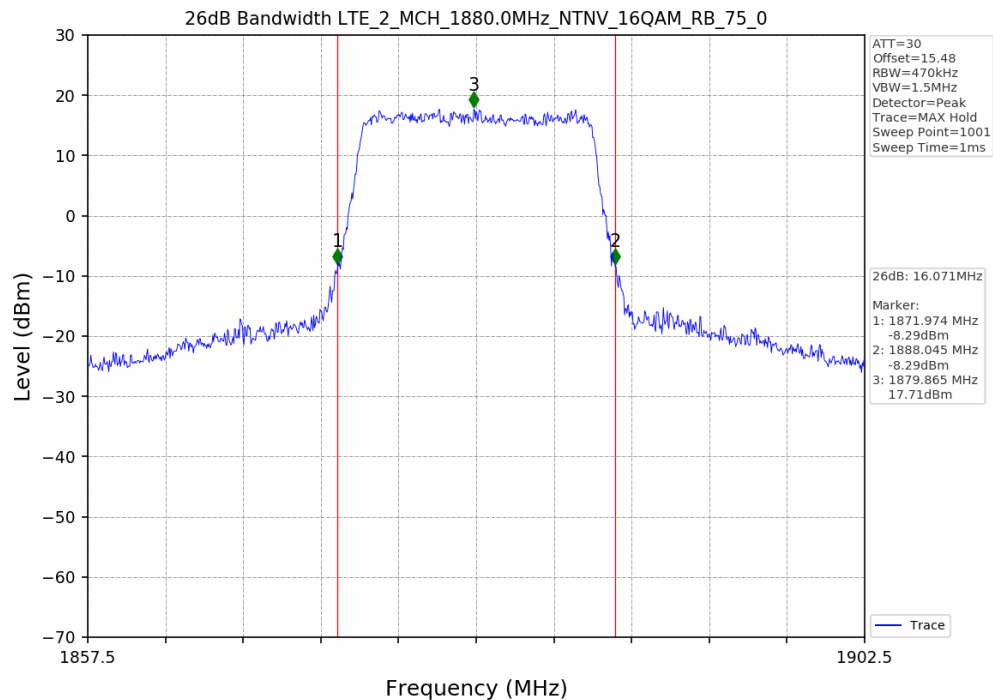
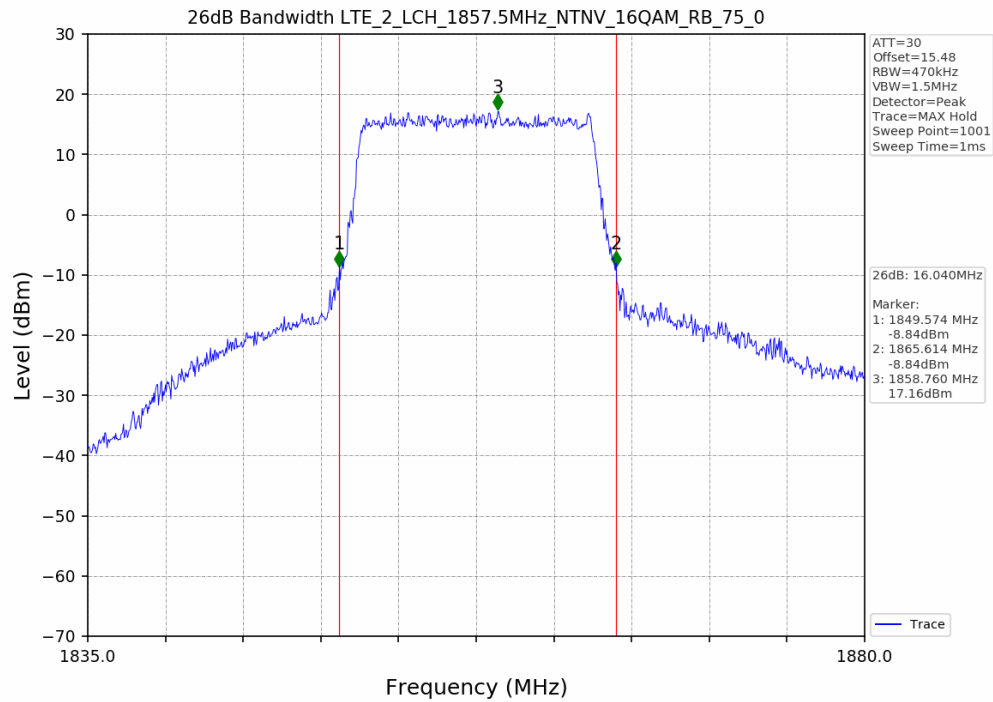


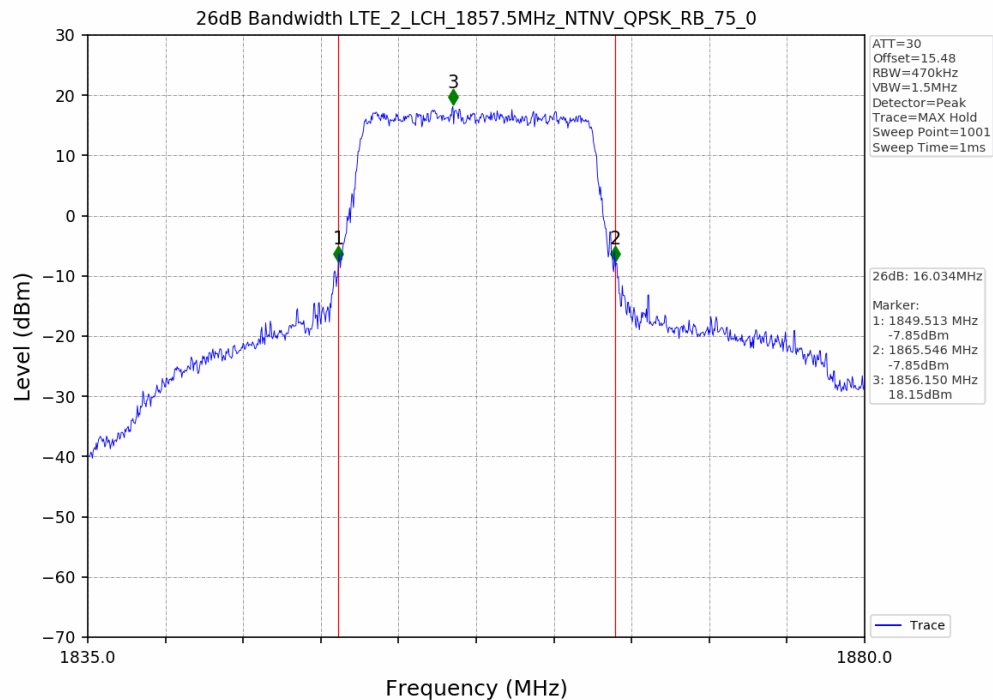
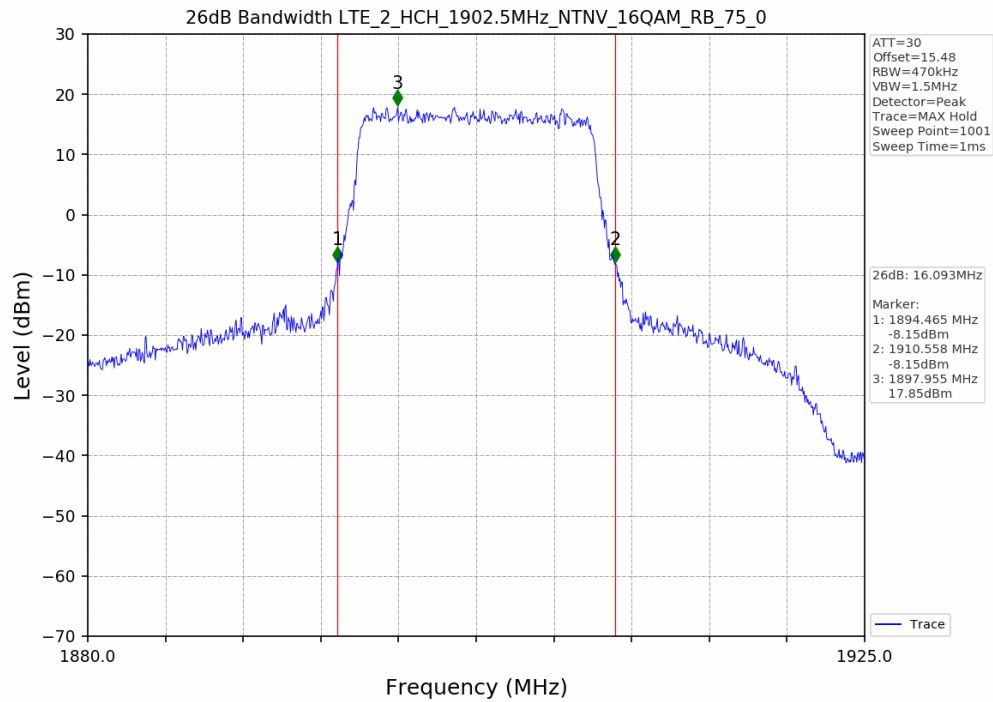


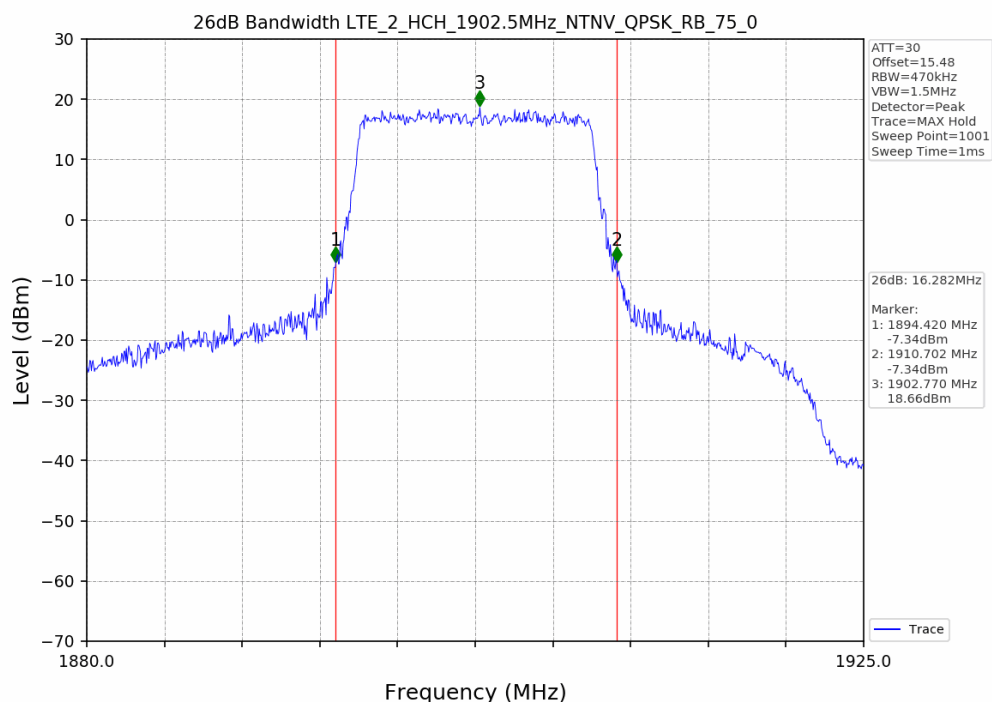
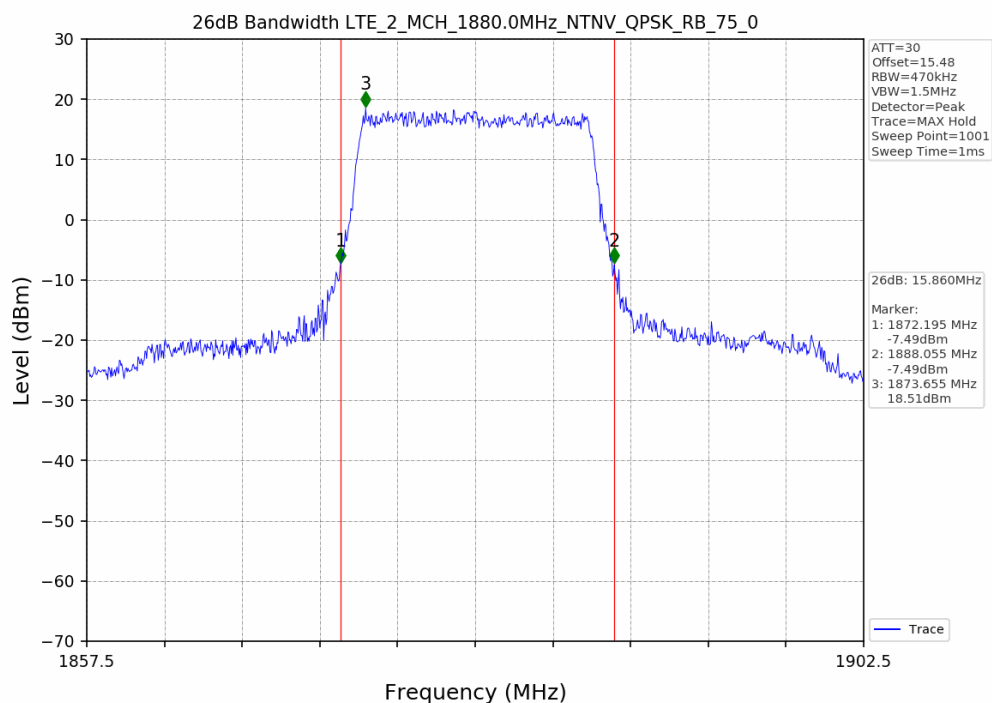


Test Band: 2_15MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	16.034	15.860	16.282	N/A	PASS
16QAM	75	0	16.040	16.071	16.093	N/A	PASS

3.2 Test Graph



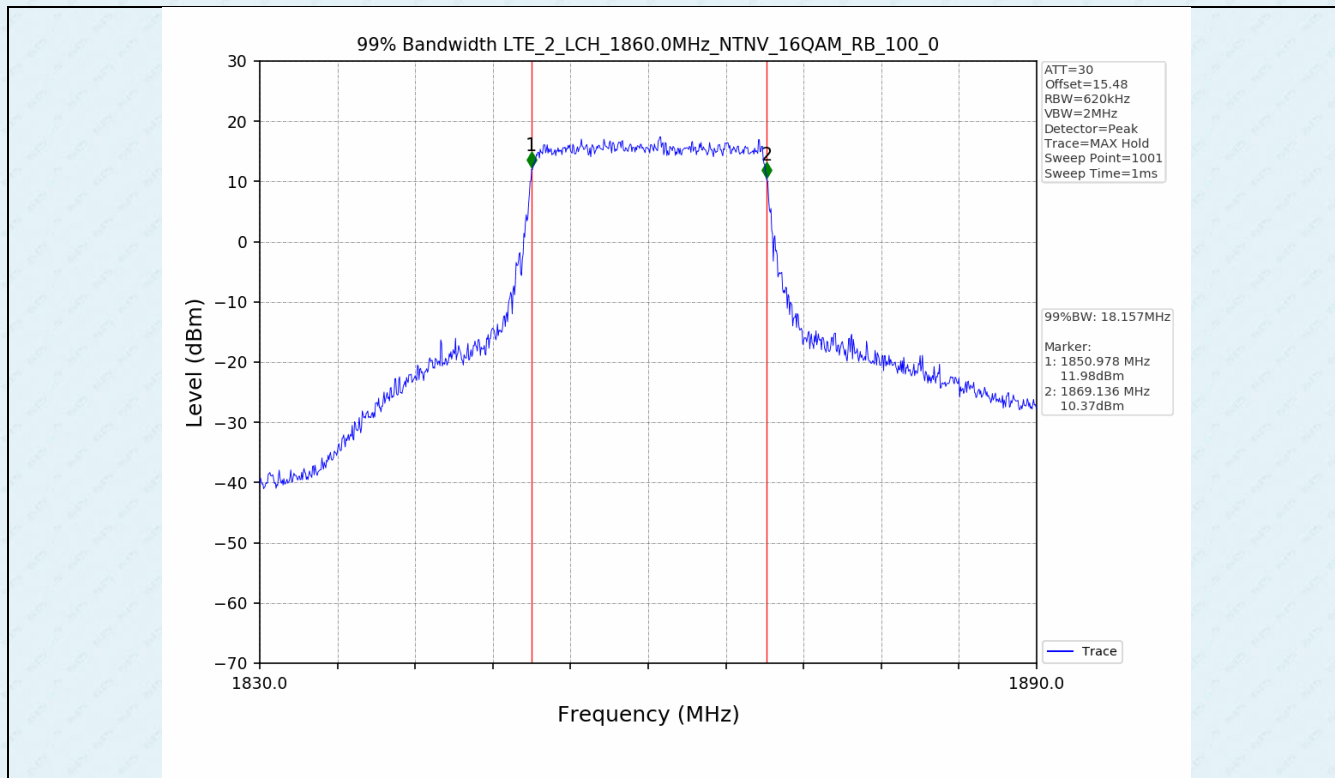


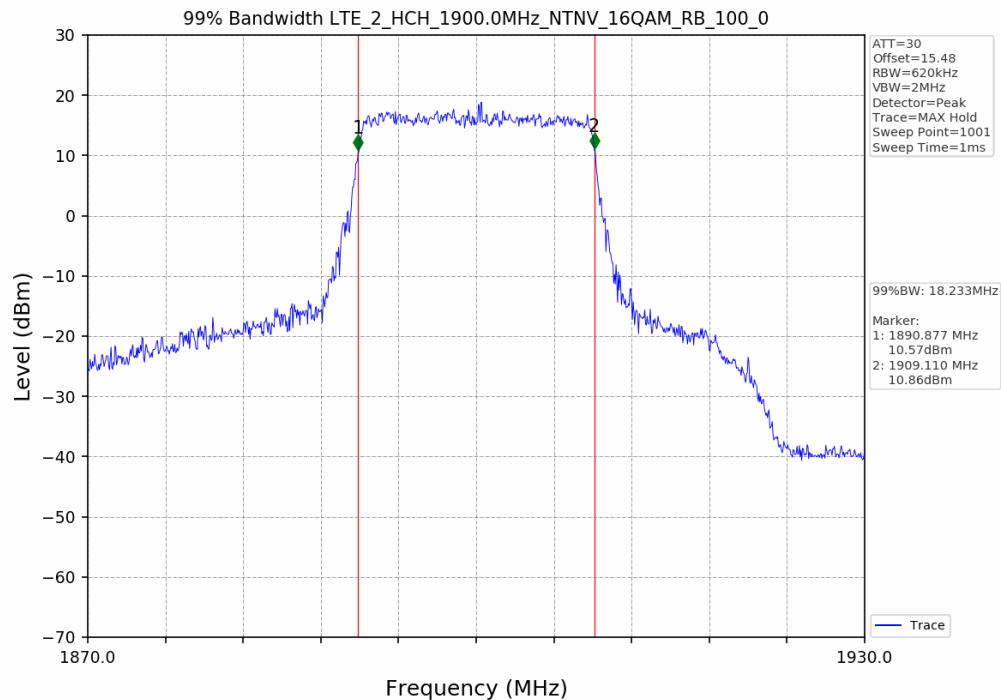
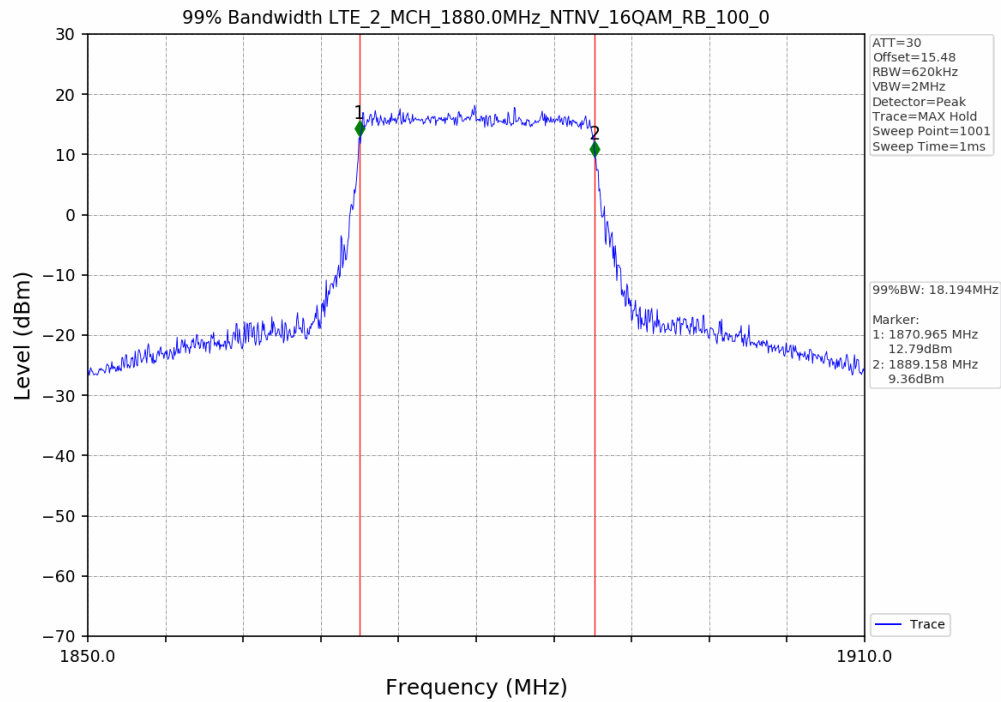


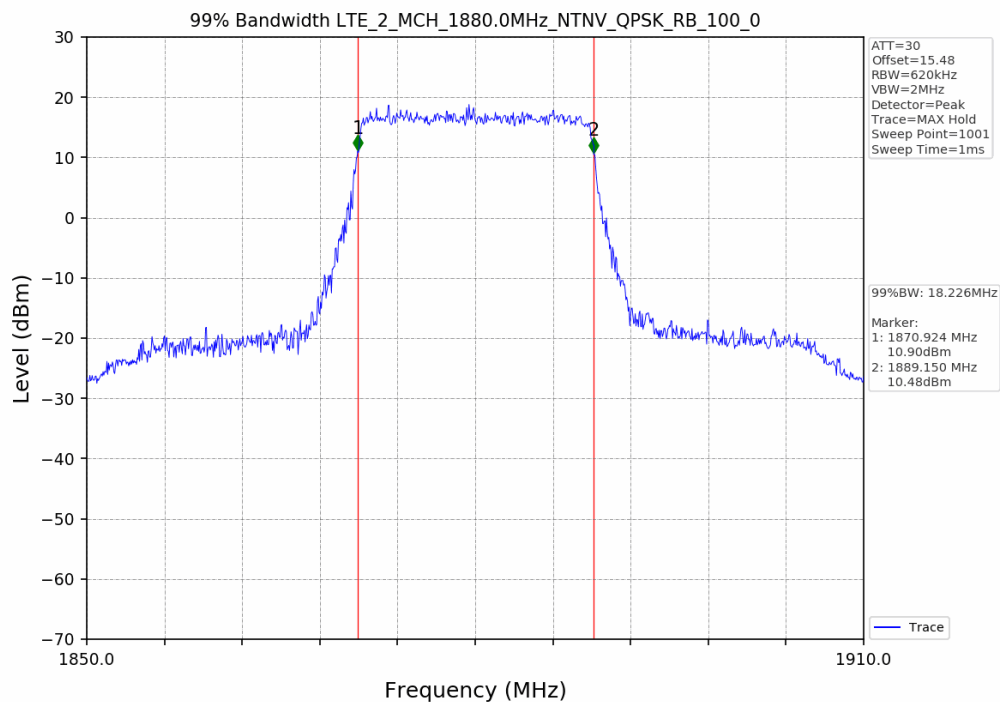
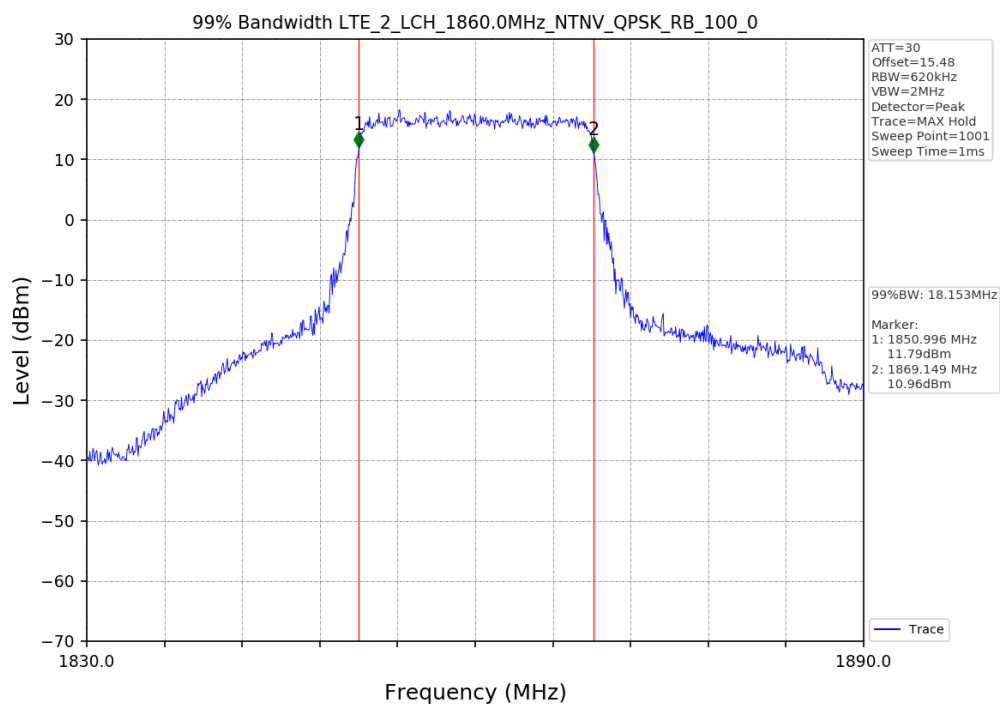
Test Band: 2_20MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

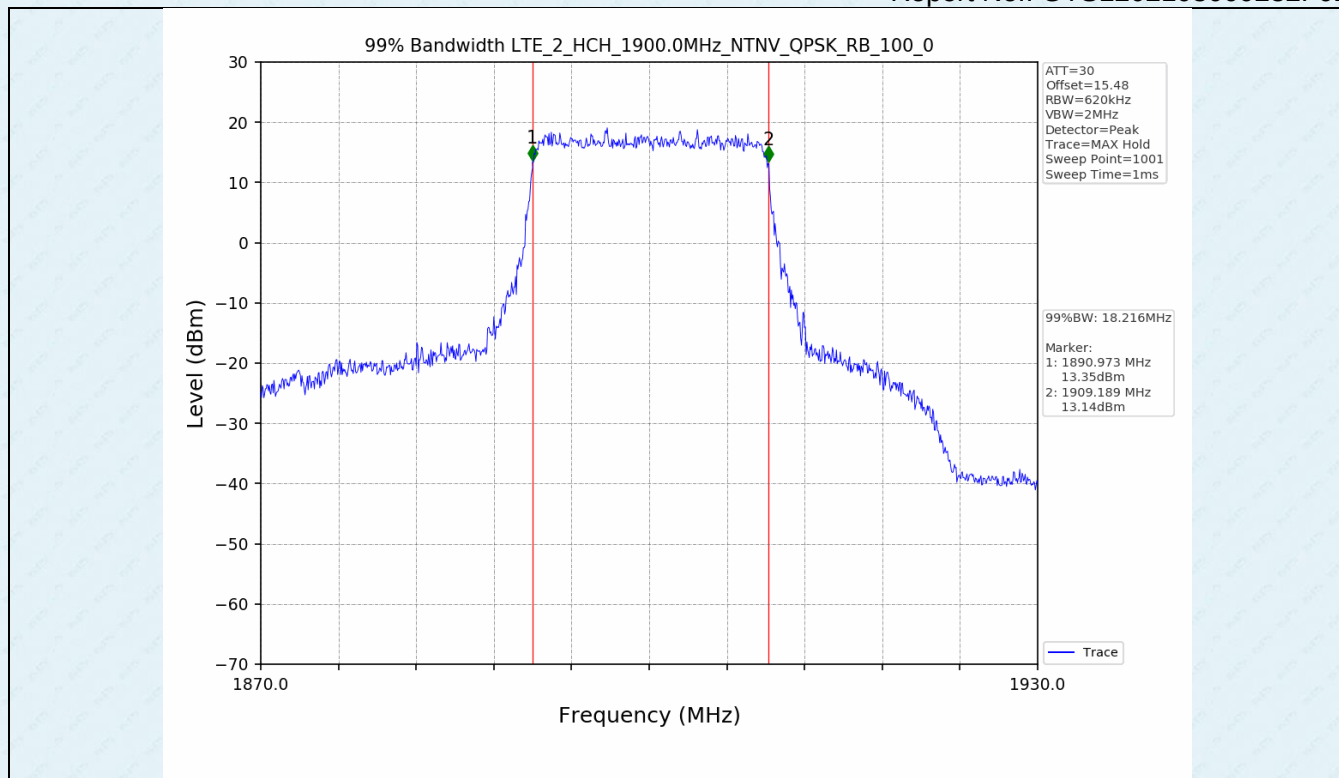
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	18.153	18.226	18.216	N/A	PASS
16QAM	100	0	18.157	18.194	18.233	N/A	PASS

3.2 Test Graph



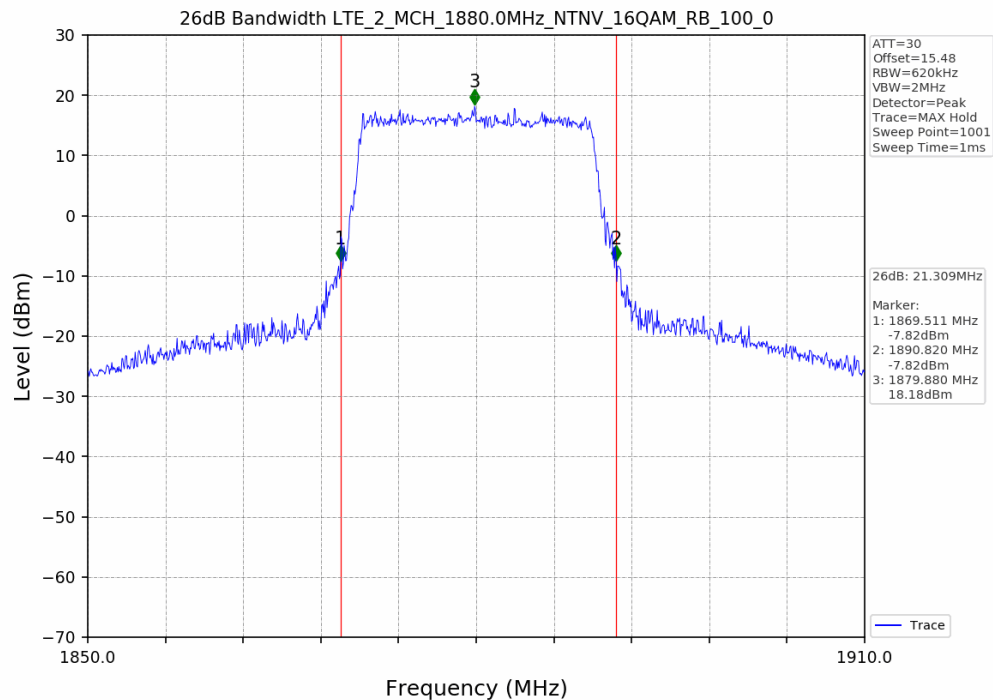
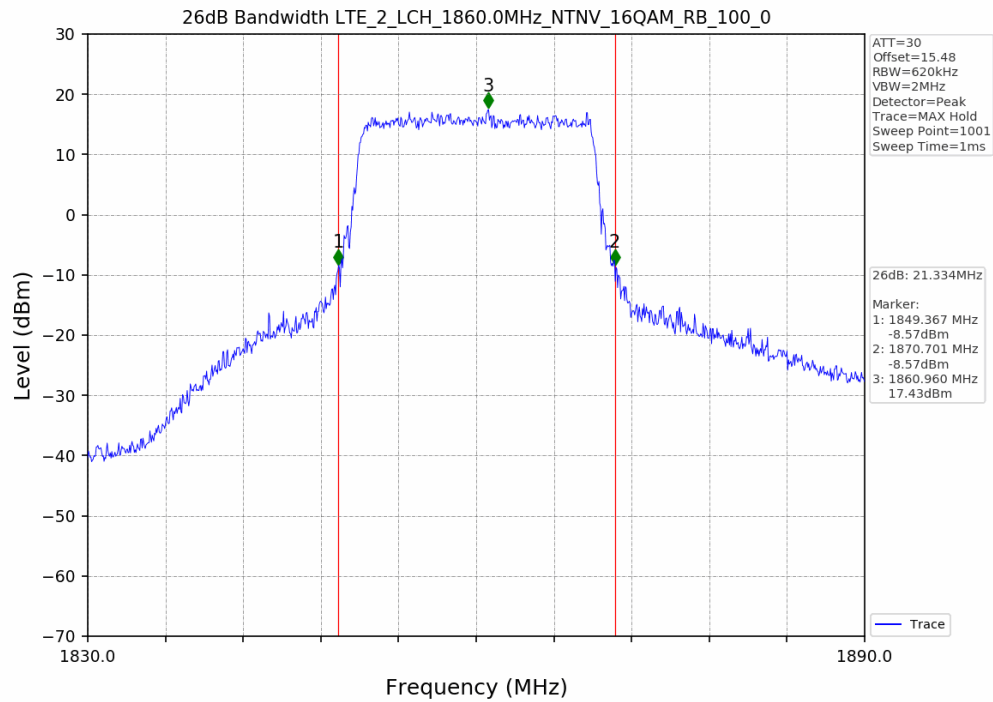


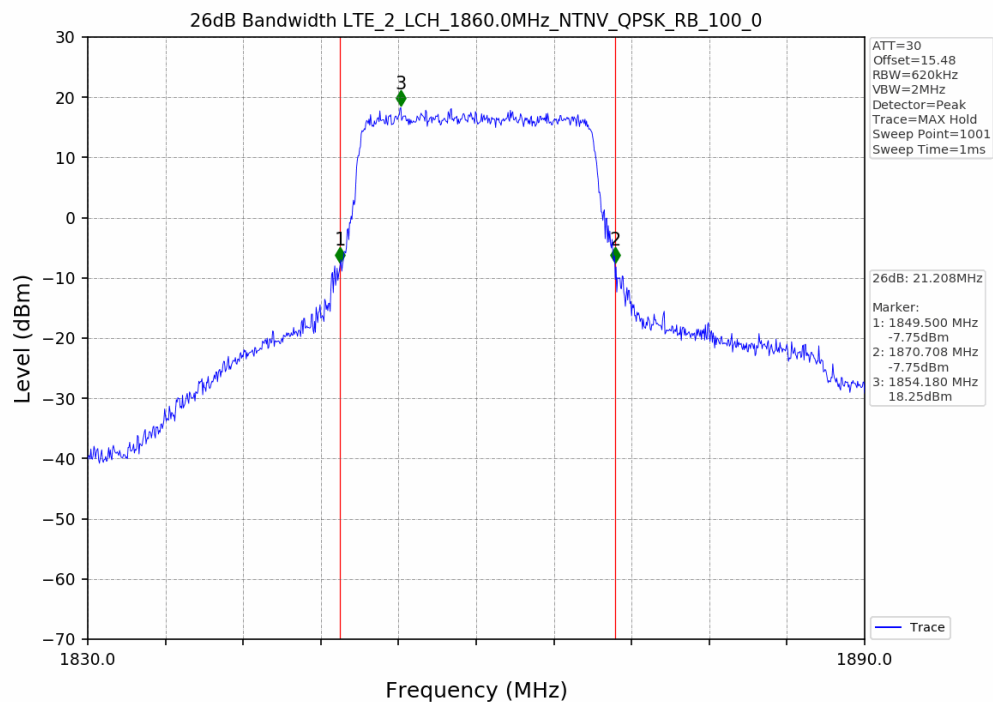
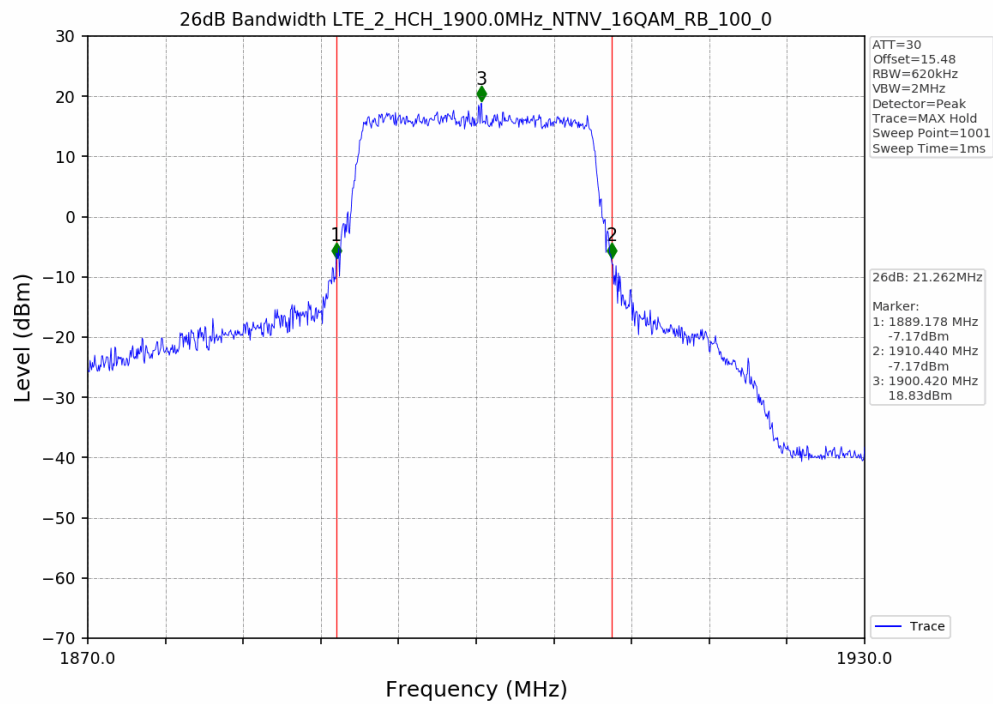


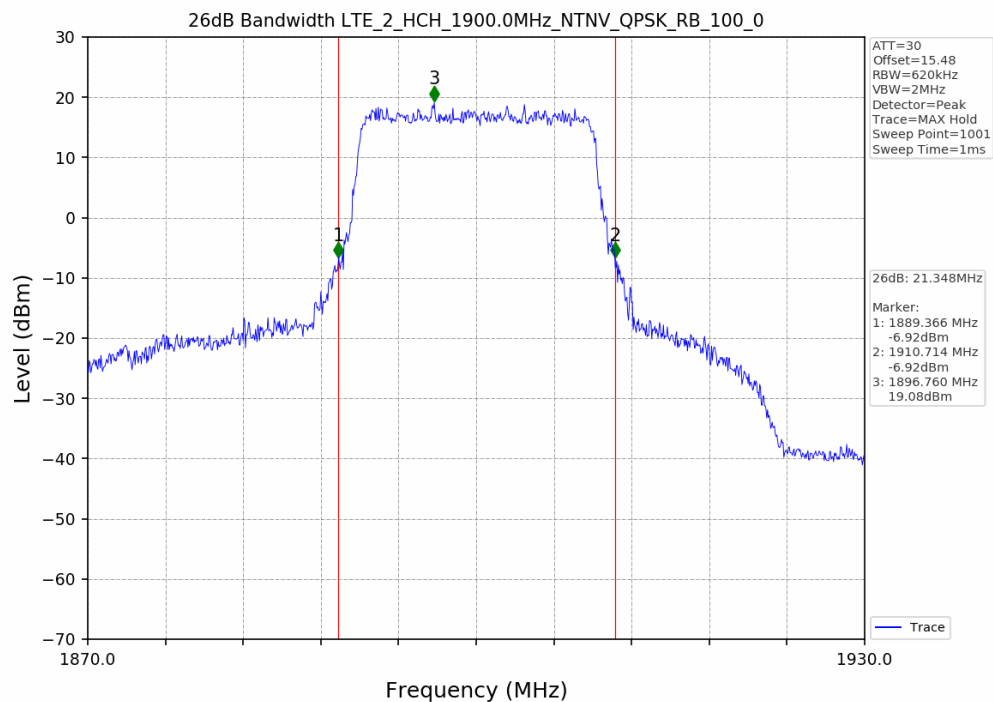
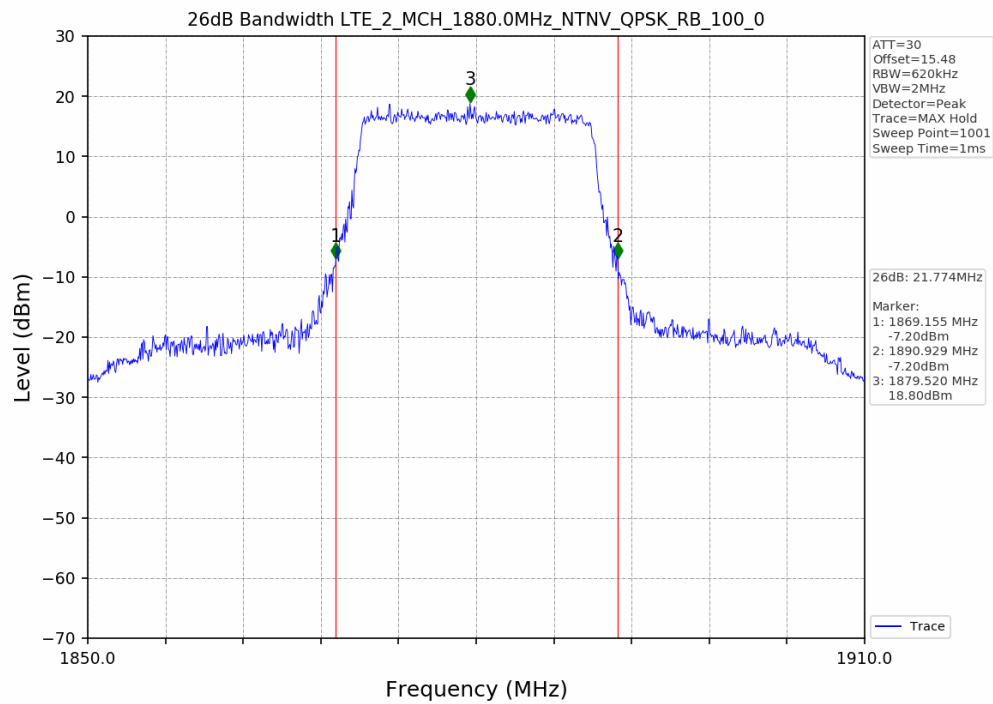


Test Band: 2_20MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	21.208	21.774	21.348	N/A	PASS
16QAM	100	0	21.334	21.309	21.262	N/A	PASS

3.2 Test Graph





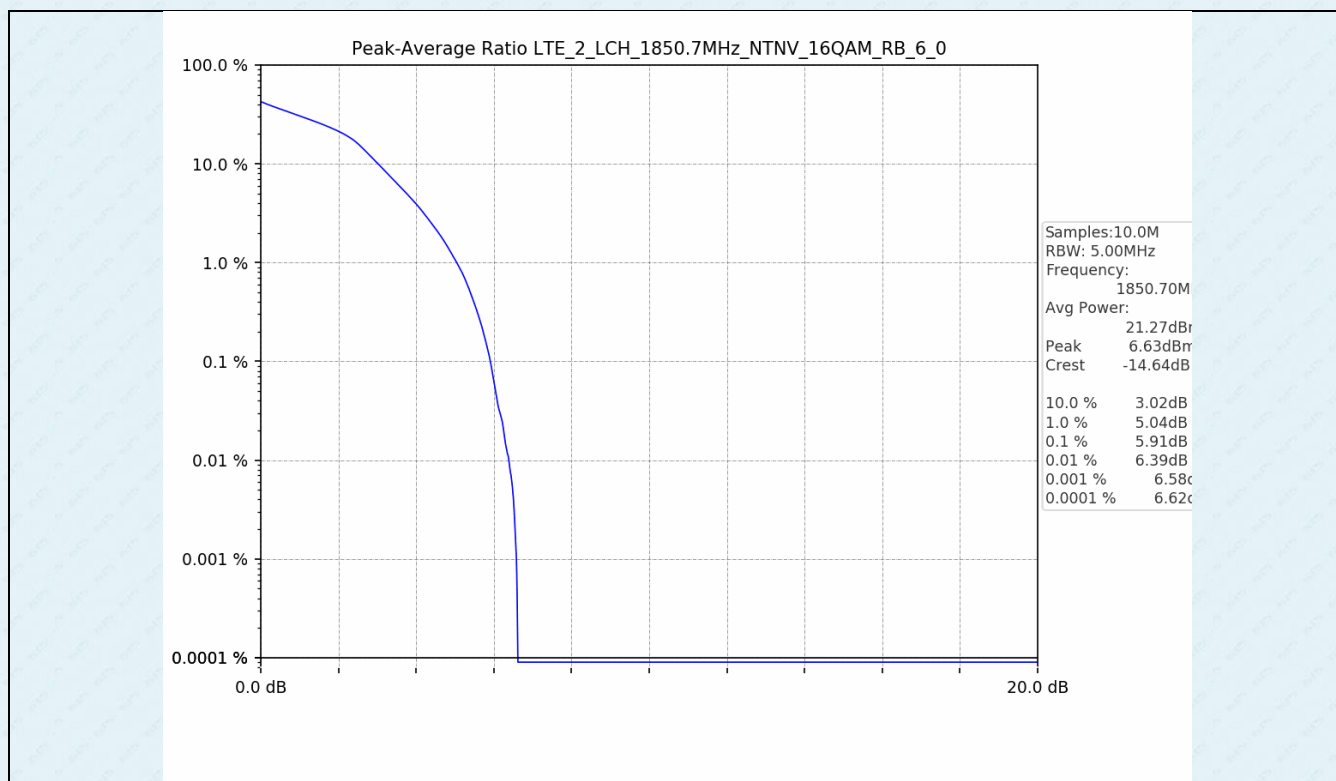


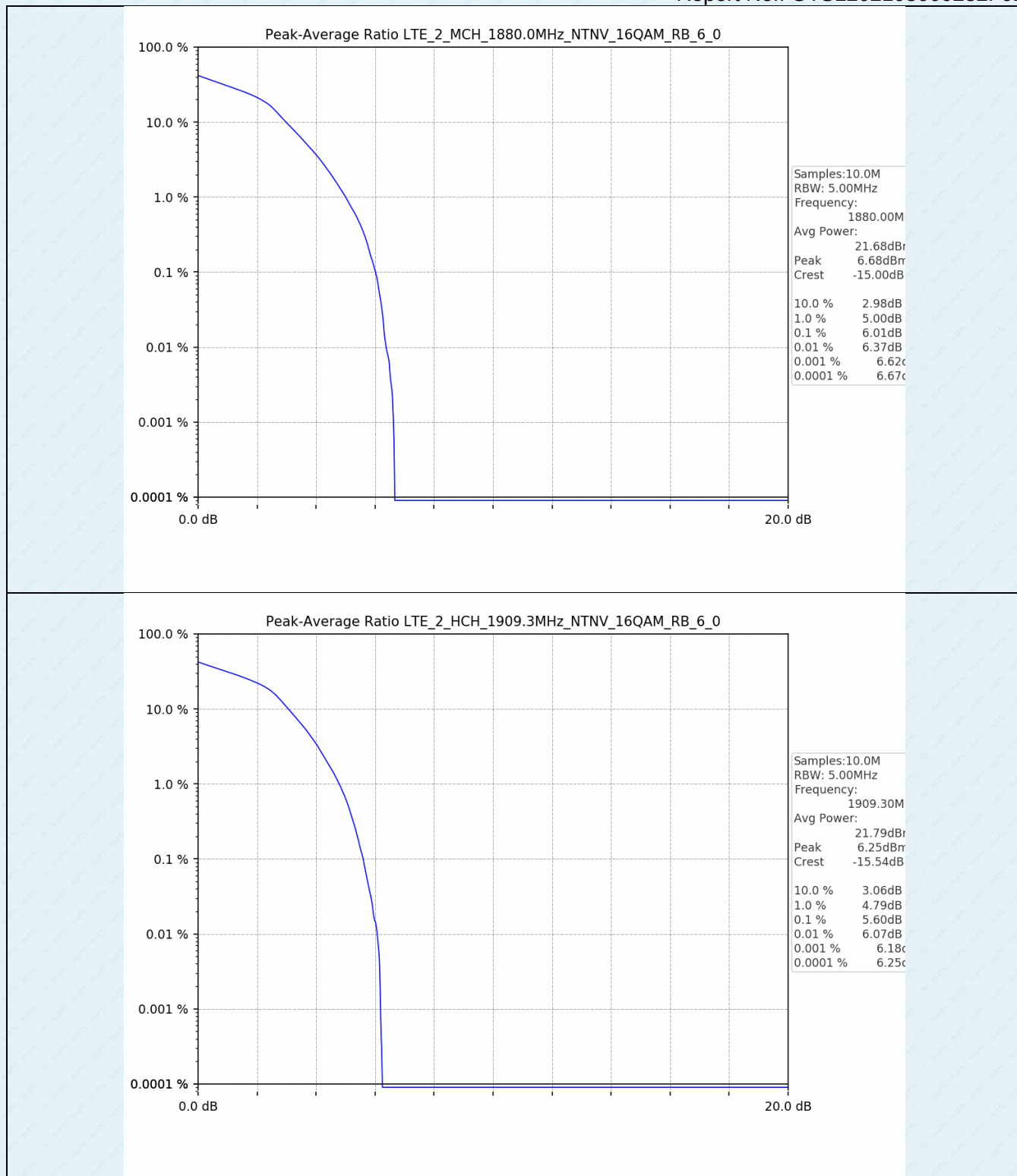
4. Peak-Average Ratio

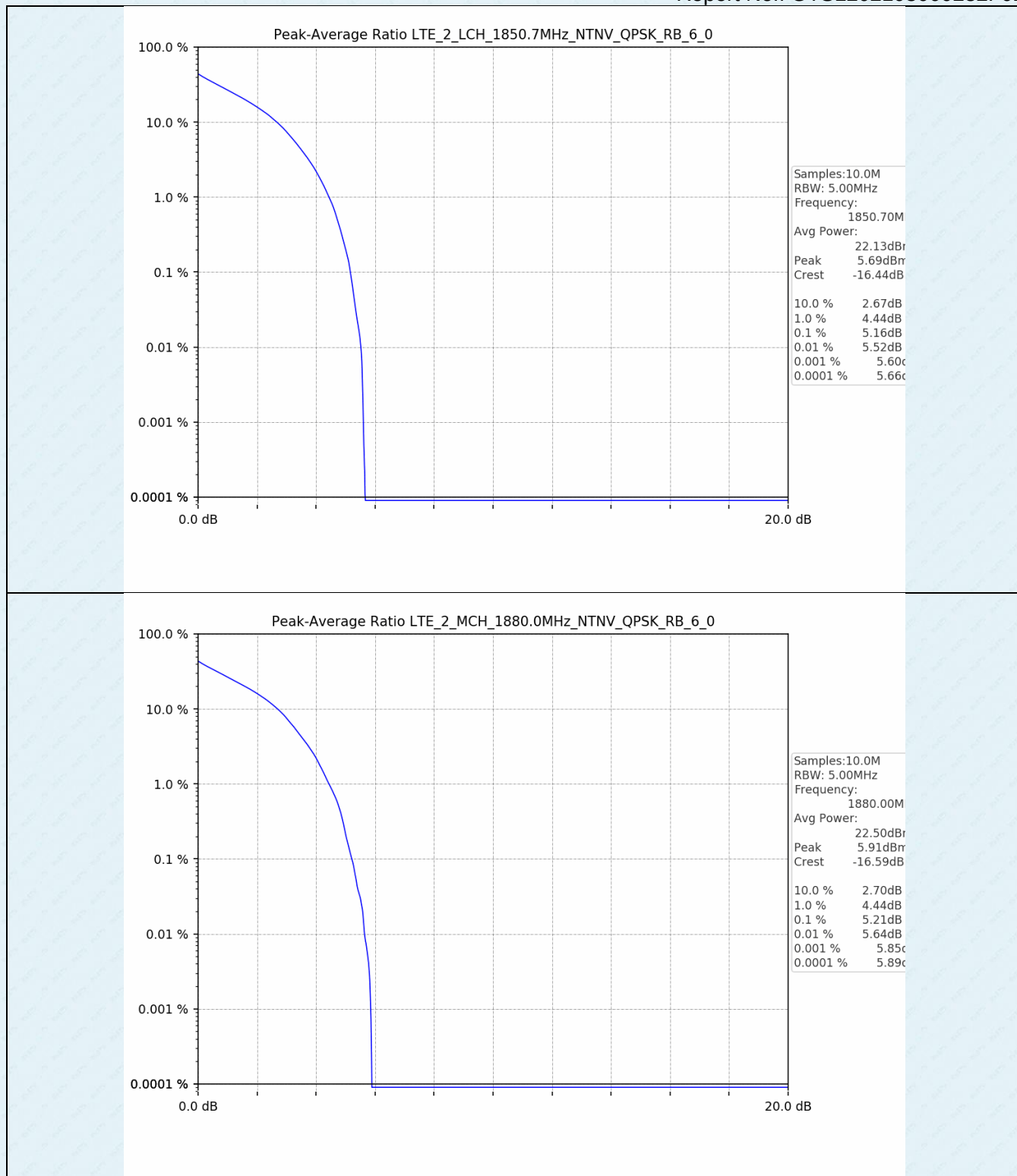
4.1 Test Result

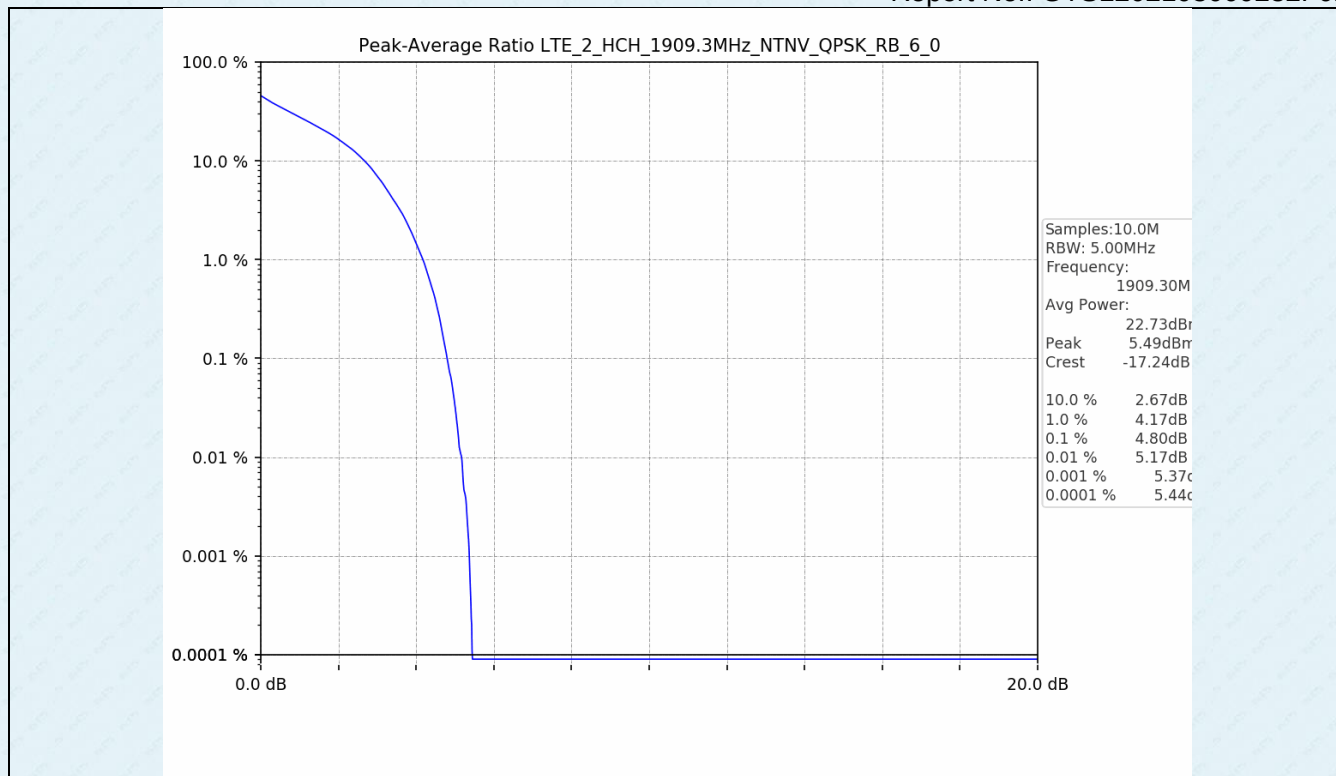
Test Band: 2_1.4MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	5.16	5.21	4.80	13	PASS
16QAM	6	0	5.91	6.01	5.60	13	PASS

4.2 Test Graph



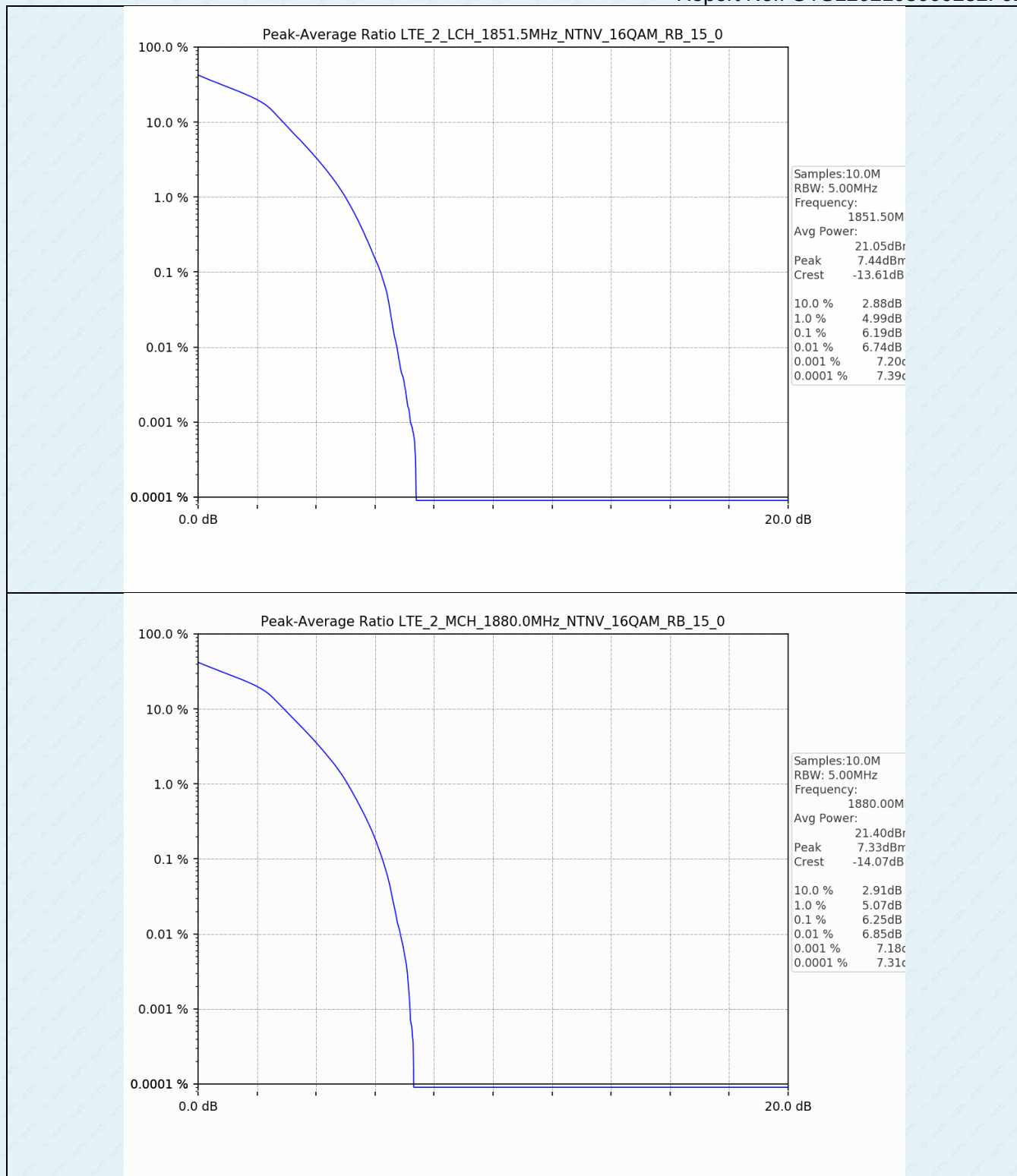


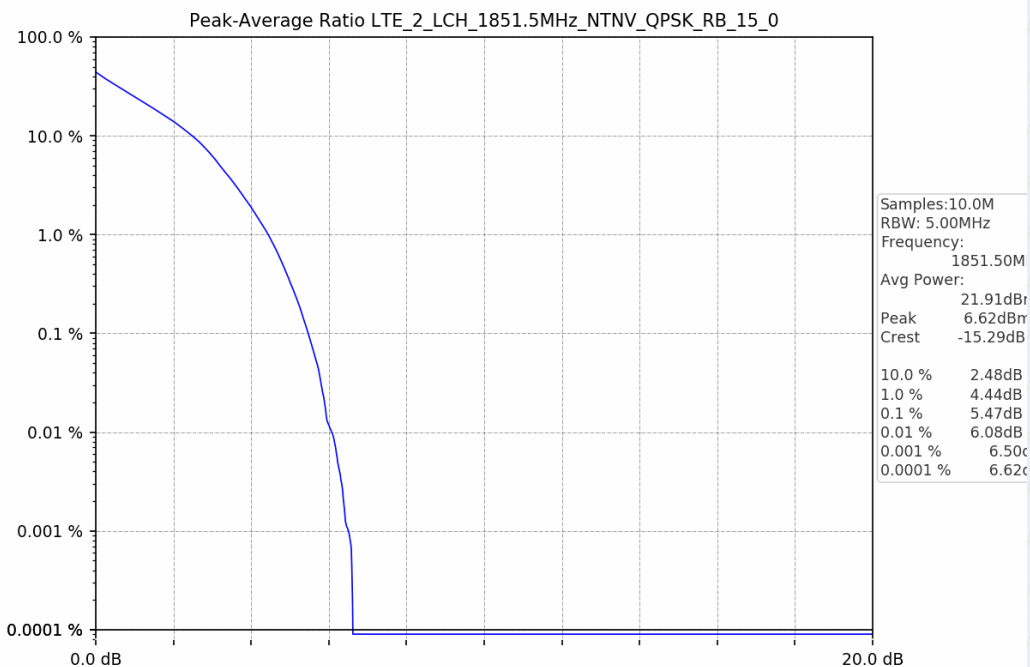
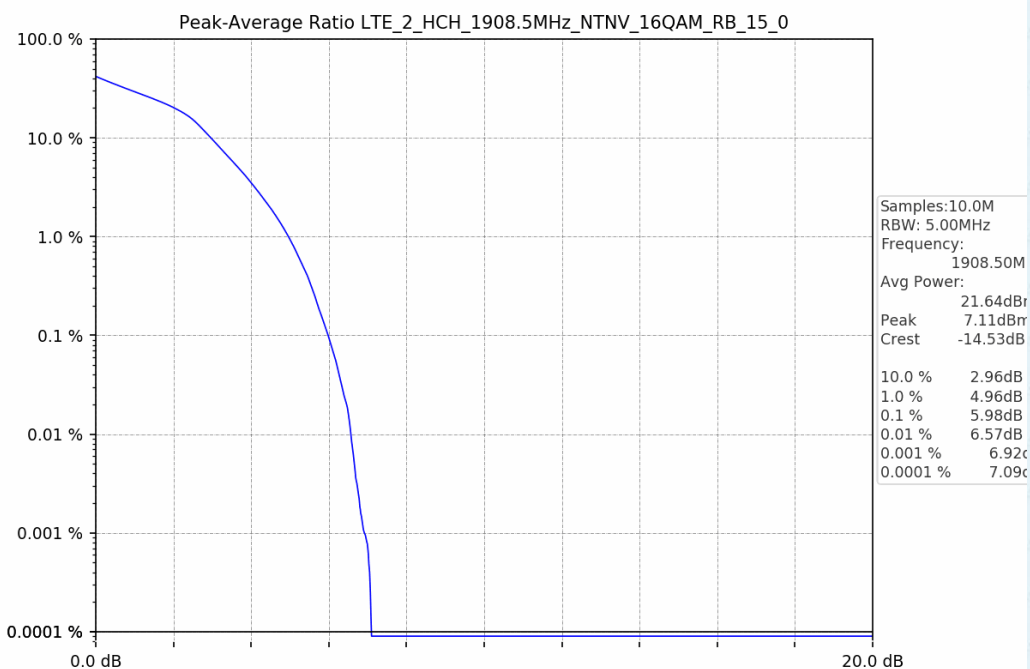


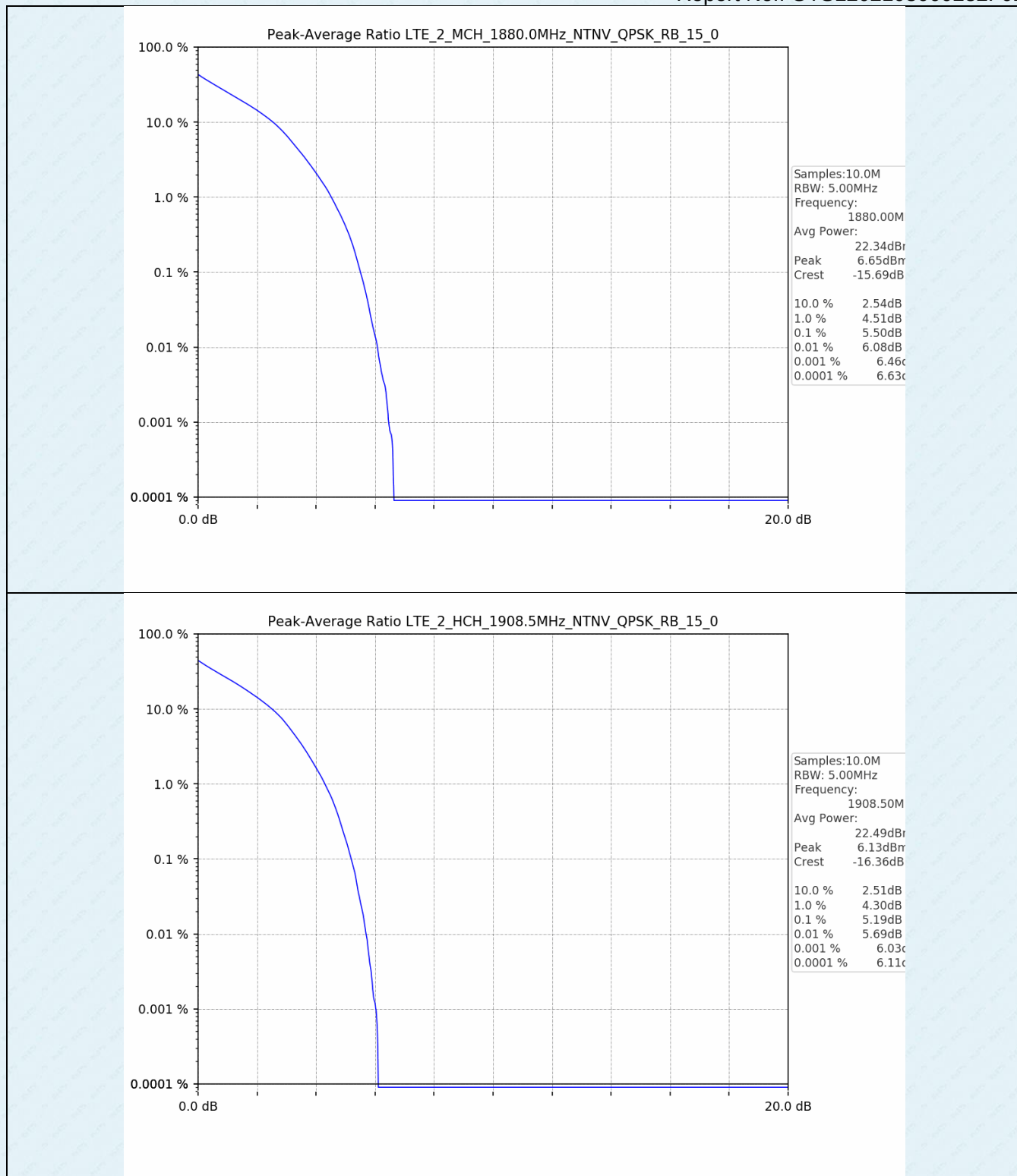


Test Band: 2 3MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	5.47	5.50	5.19	13	PASS
16QAM	15	0	6.19	6.25	5.98	13	PASS

4.2 Test Graph



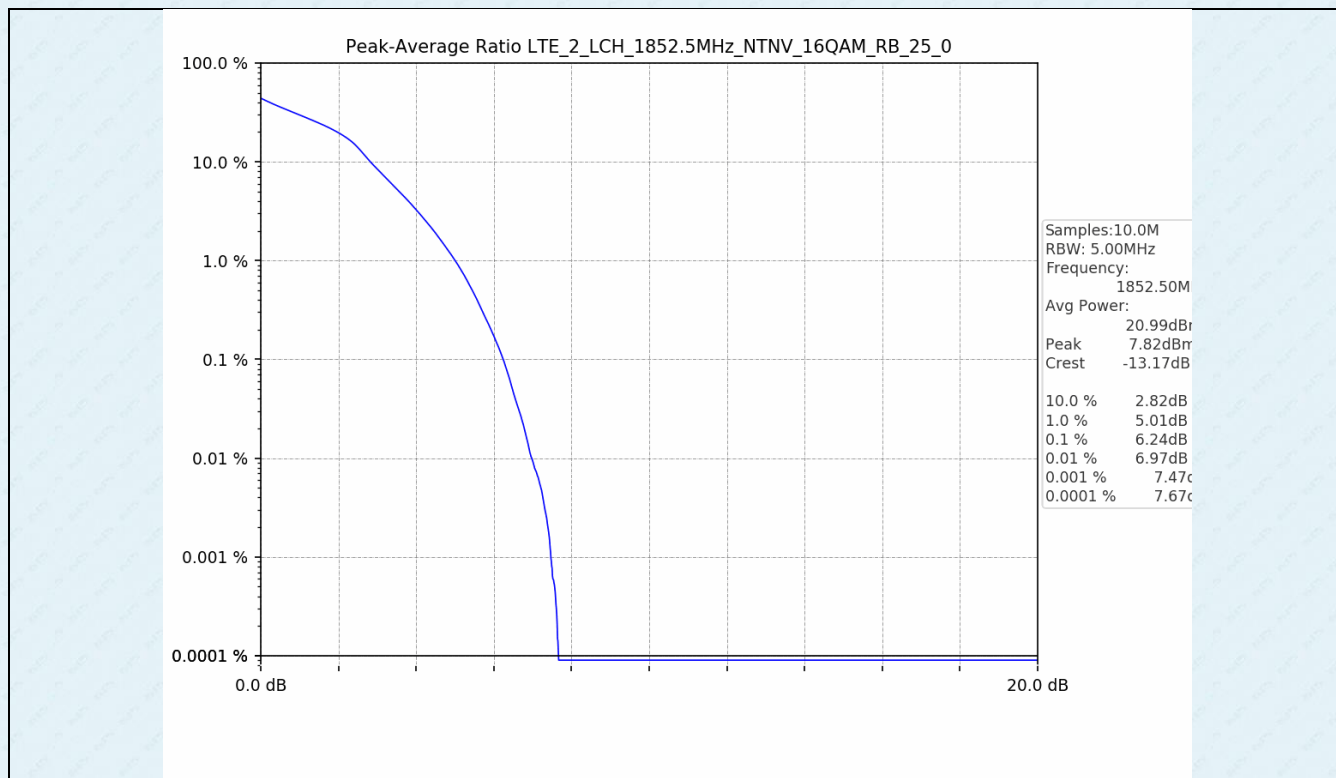


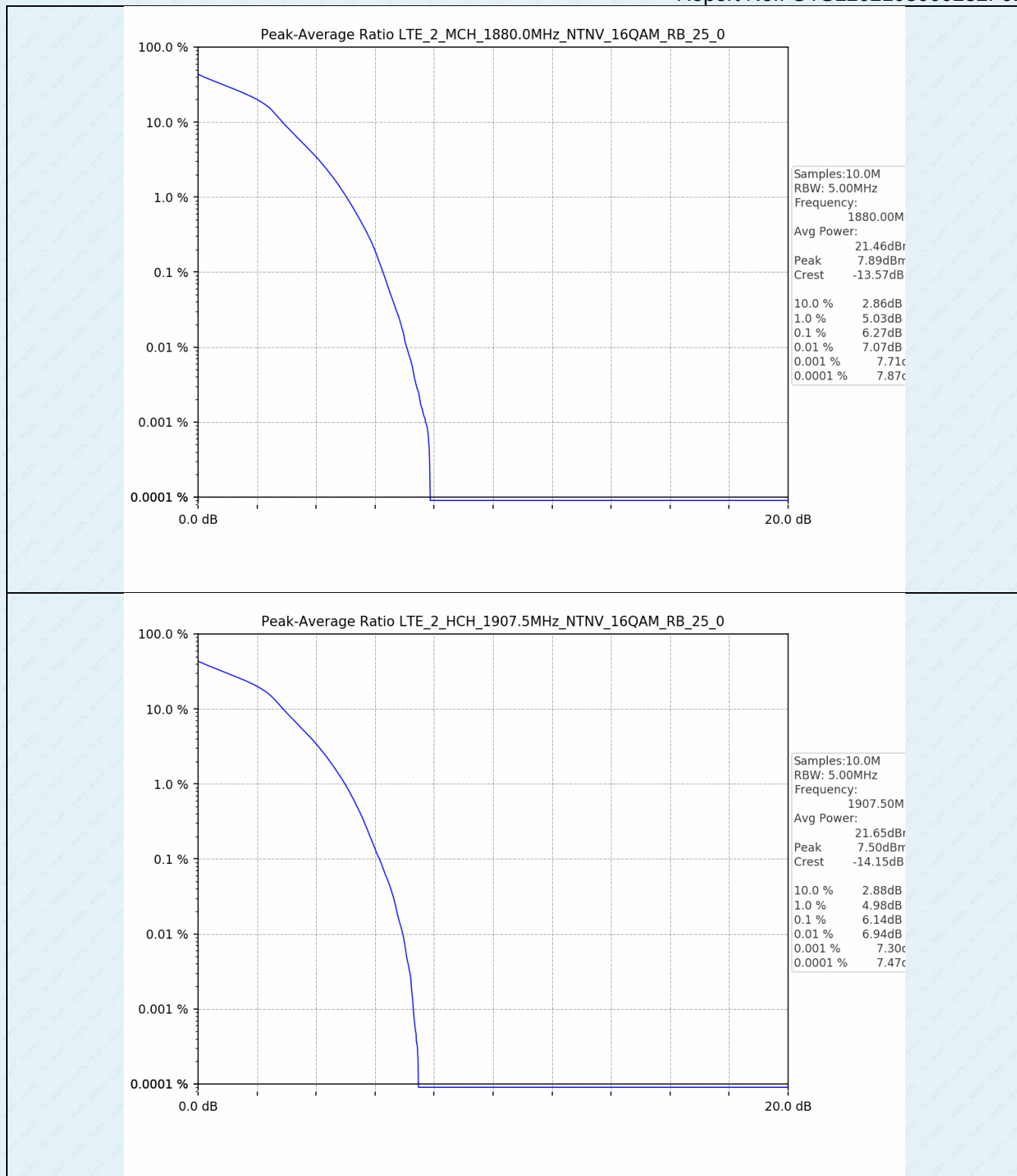


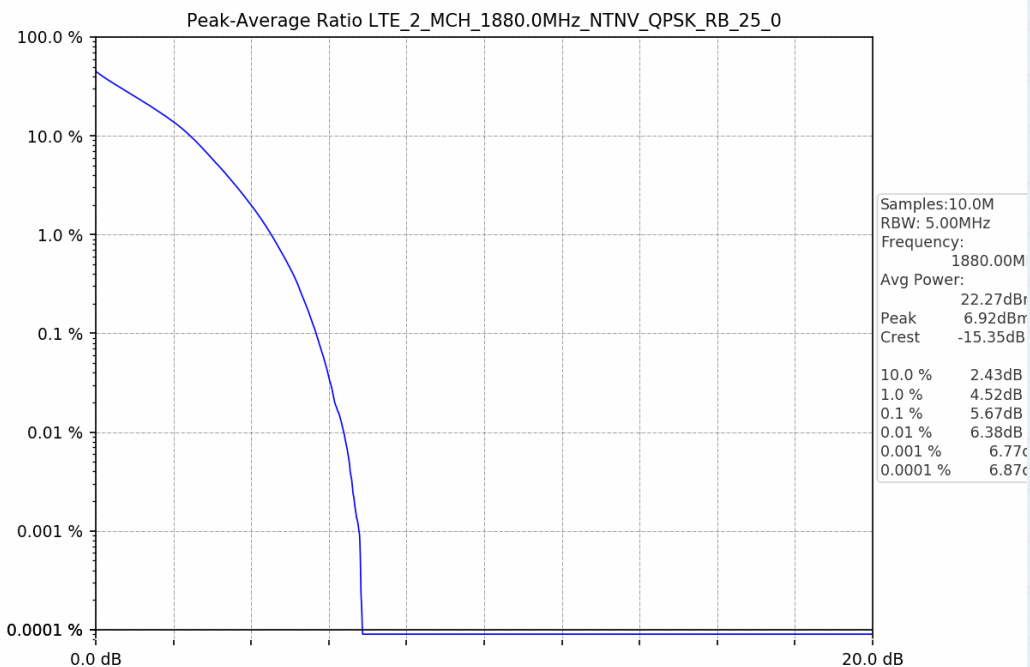
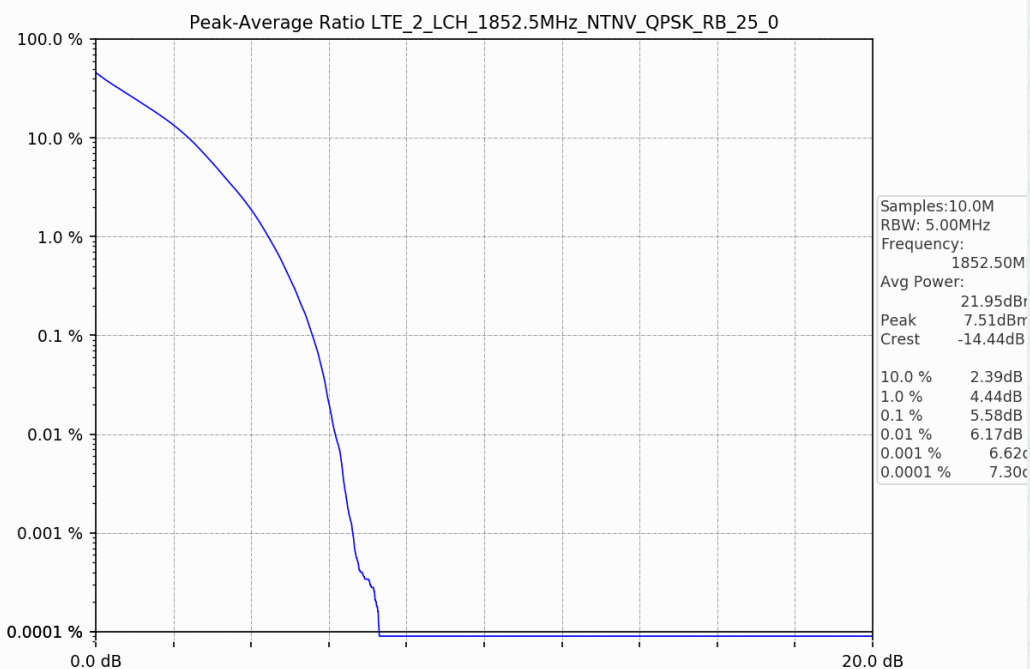
Test Band: 2 5MHz Bandwidth				
Test Mode	RB Allocation	Test result (dB)	Limit (dB)	Verdict

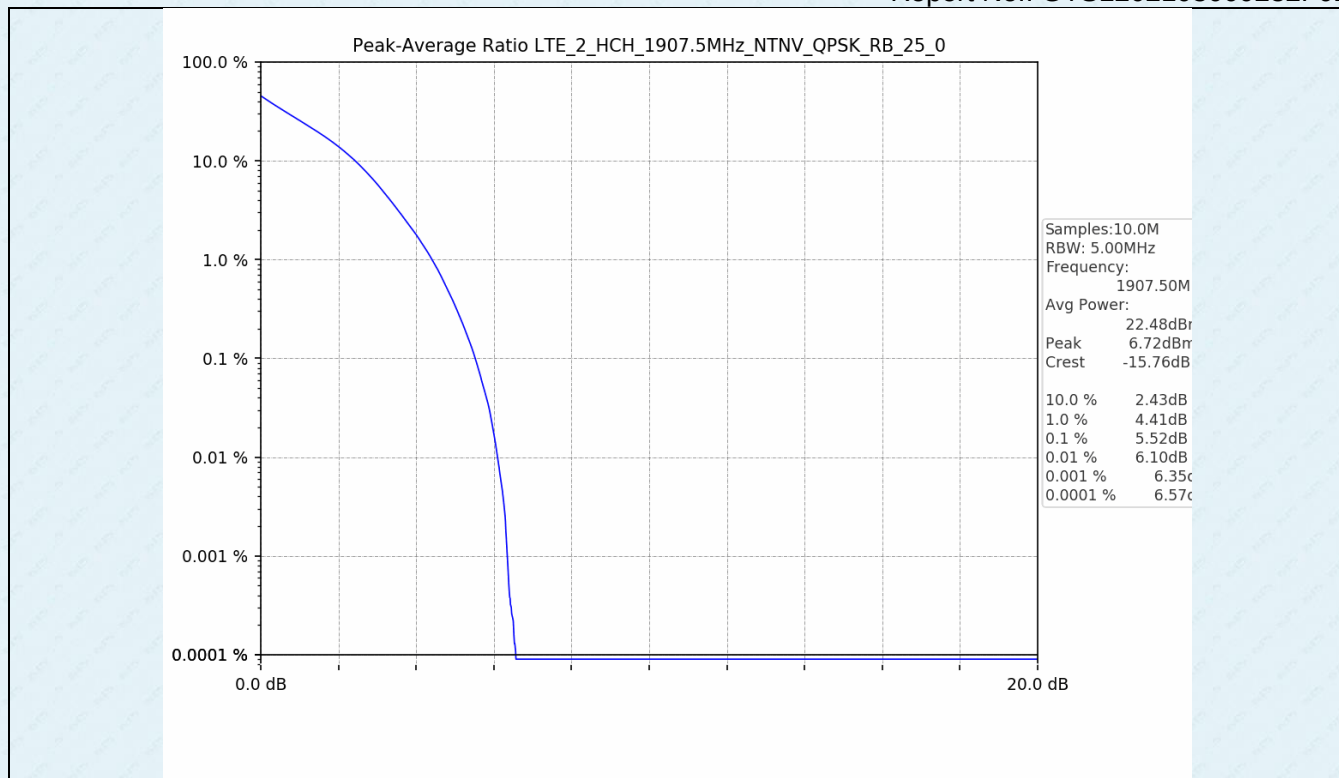
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.58	5.67	5.52	13	PASS
16QAM	25	0	6.24	6.27	6.14	13	PASS

4.2 Test Graph



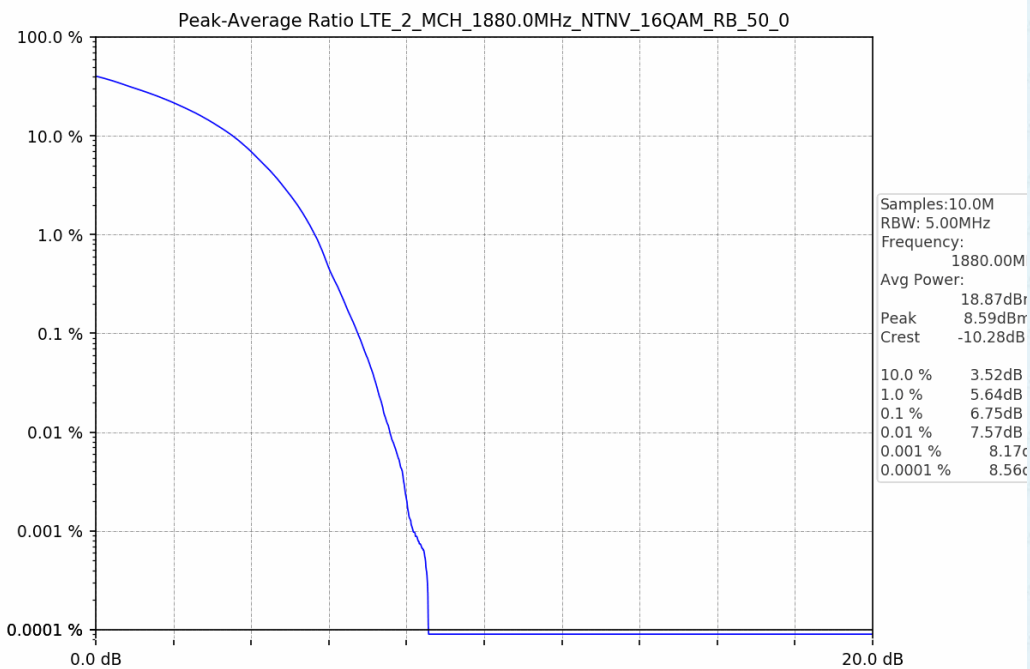
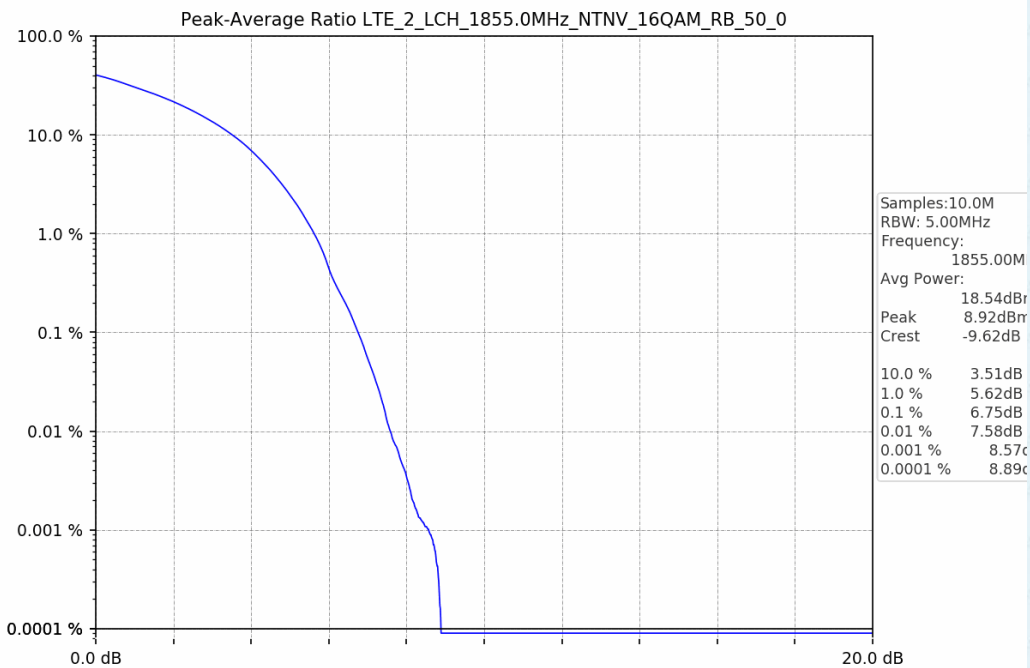


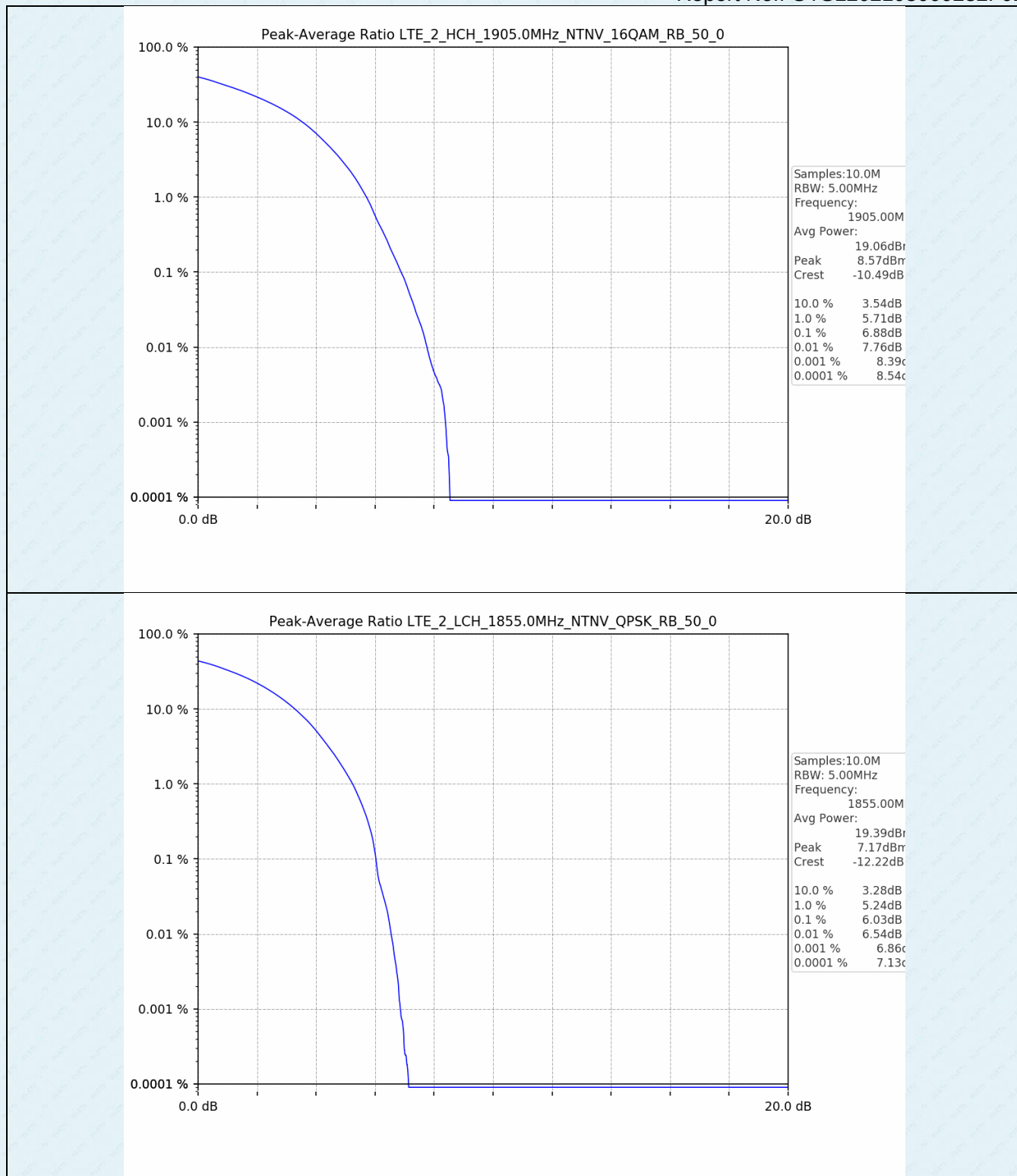


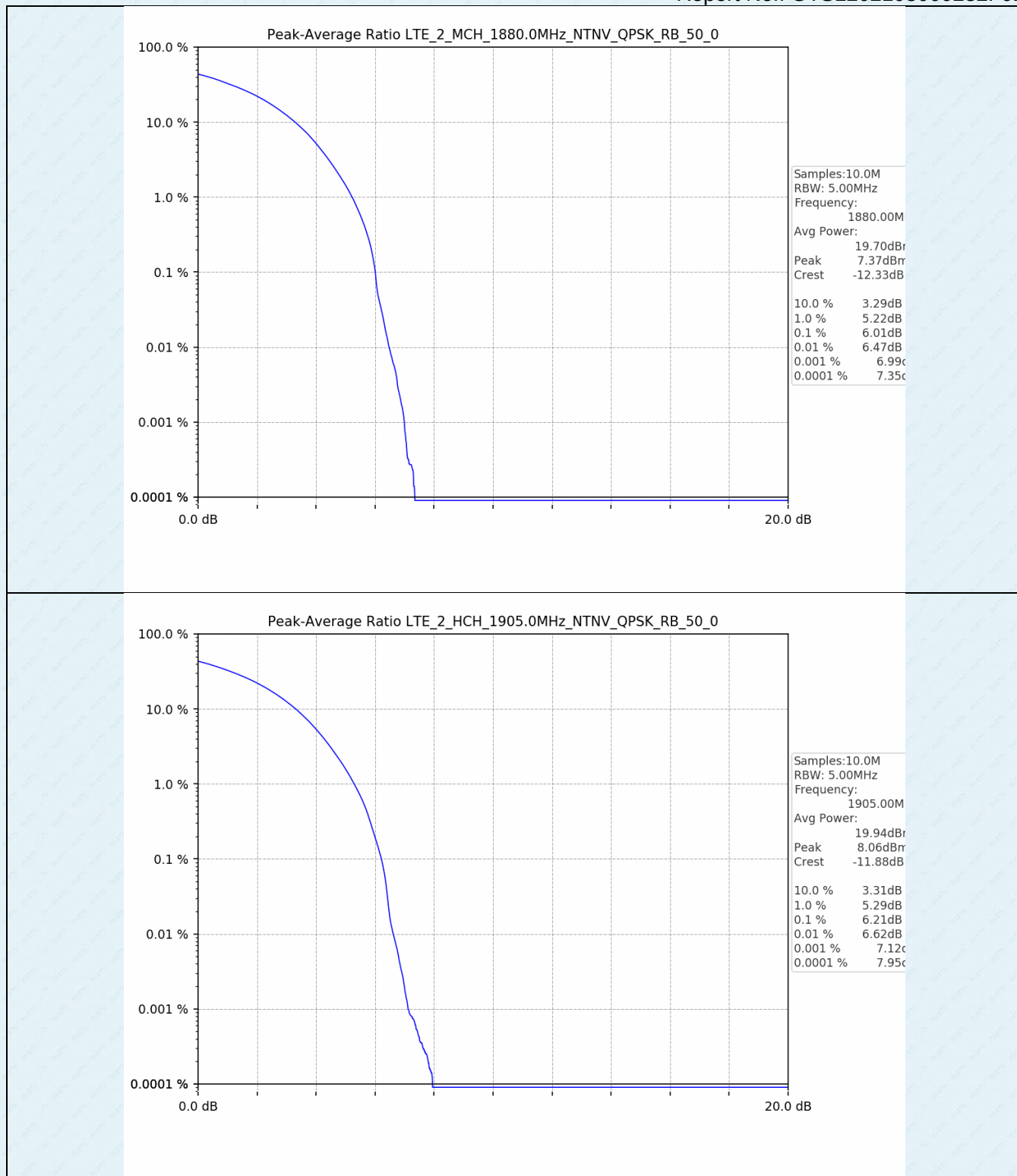


Test Band: 2_10MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	6.03	6.01	6.21	13	PASS
16QAM	50	0	6.75	6.75	6.88	13	PASS

4.2 Test Graph



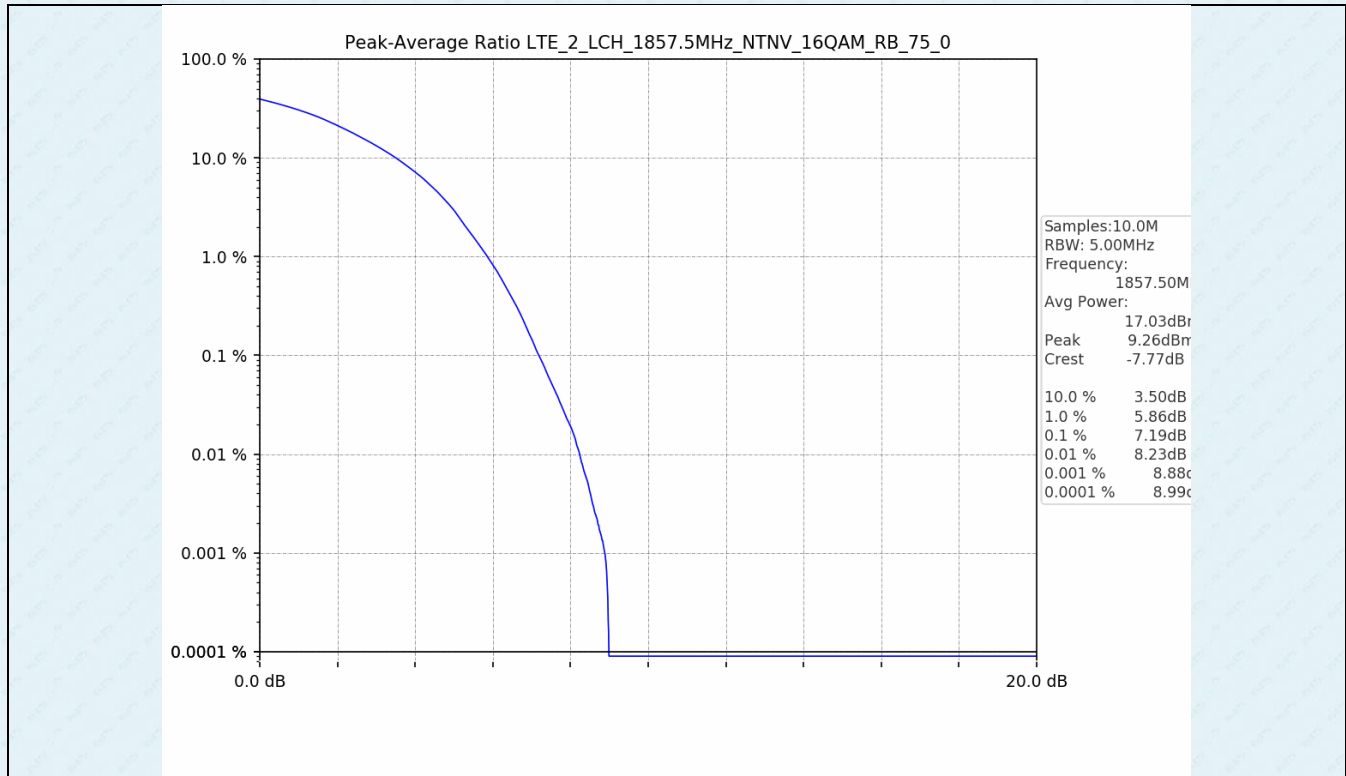


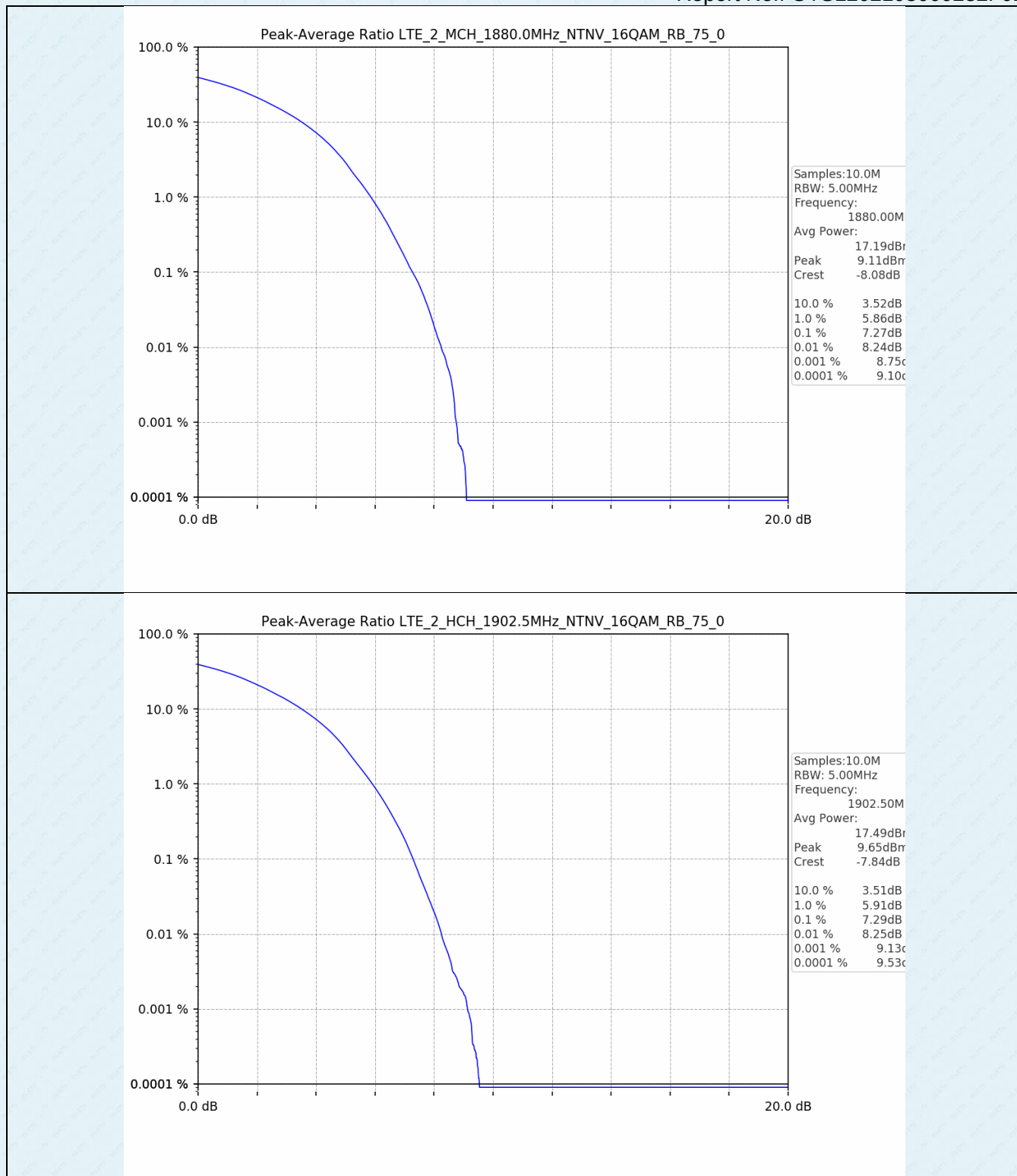


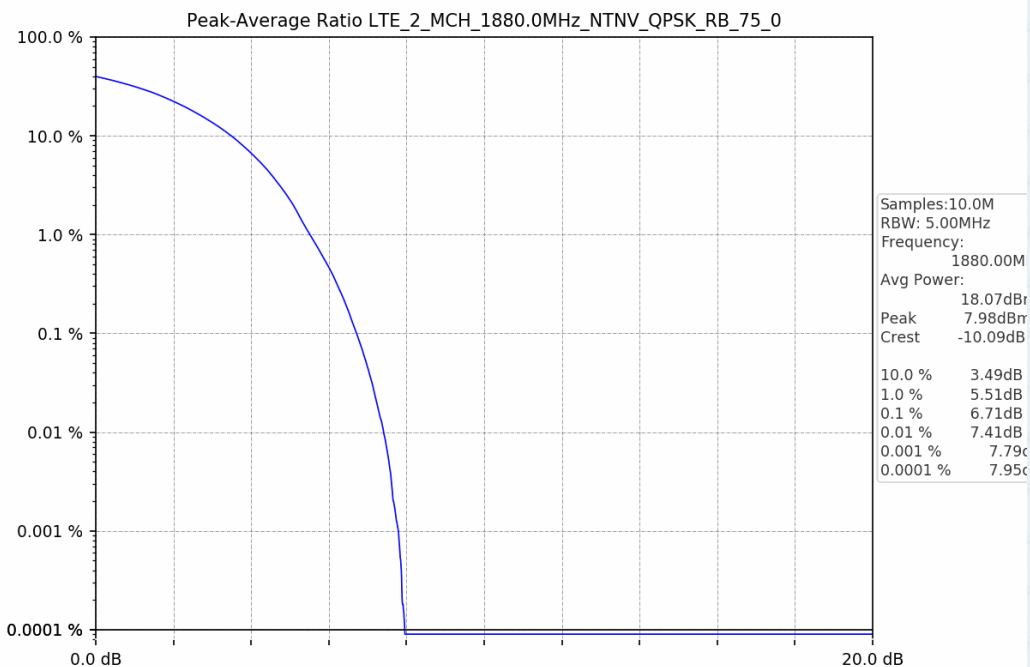
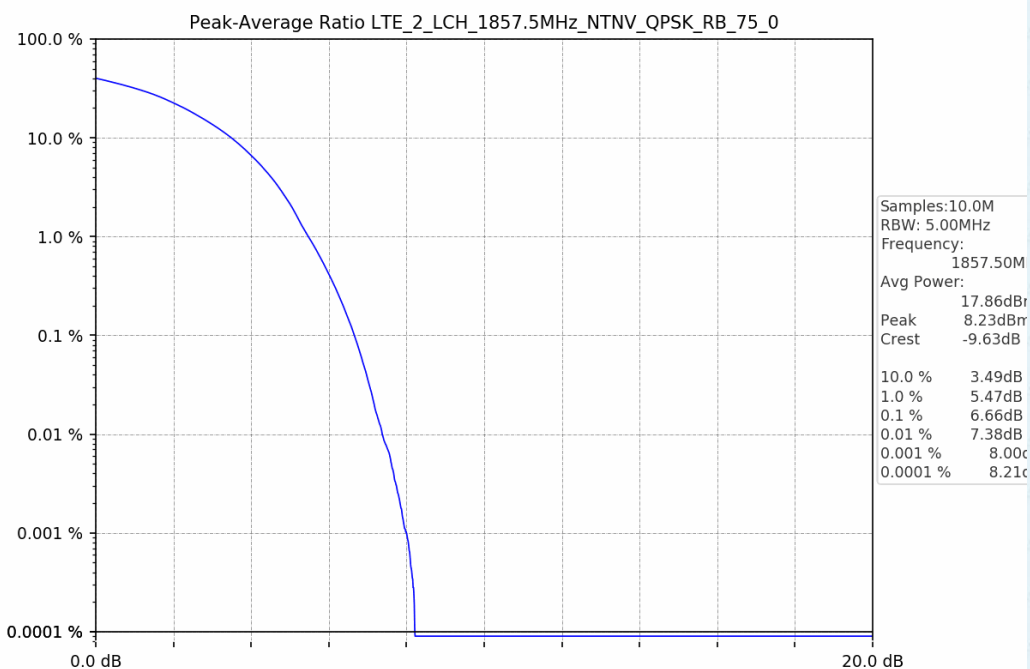
Test Band: 2 15MHz Bandwidth				
Test Mode	RB Allocation	Test result (dB)	Limit (dB)	Verdict

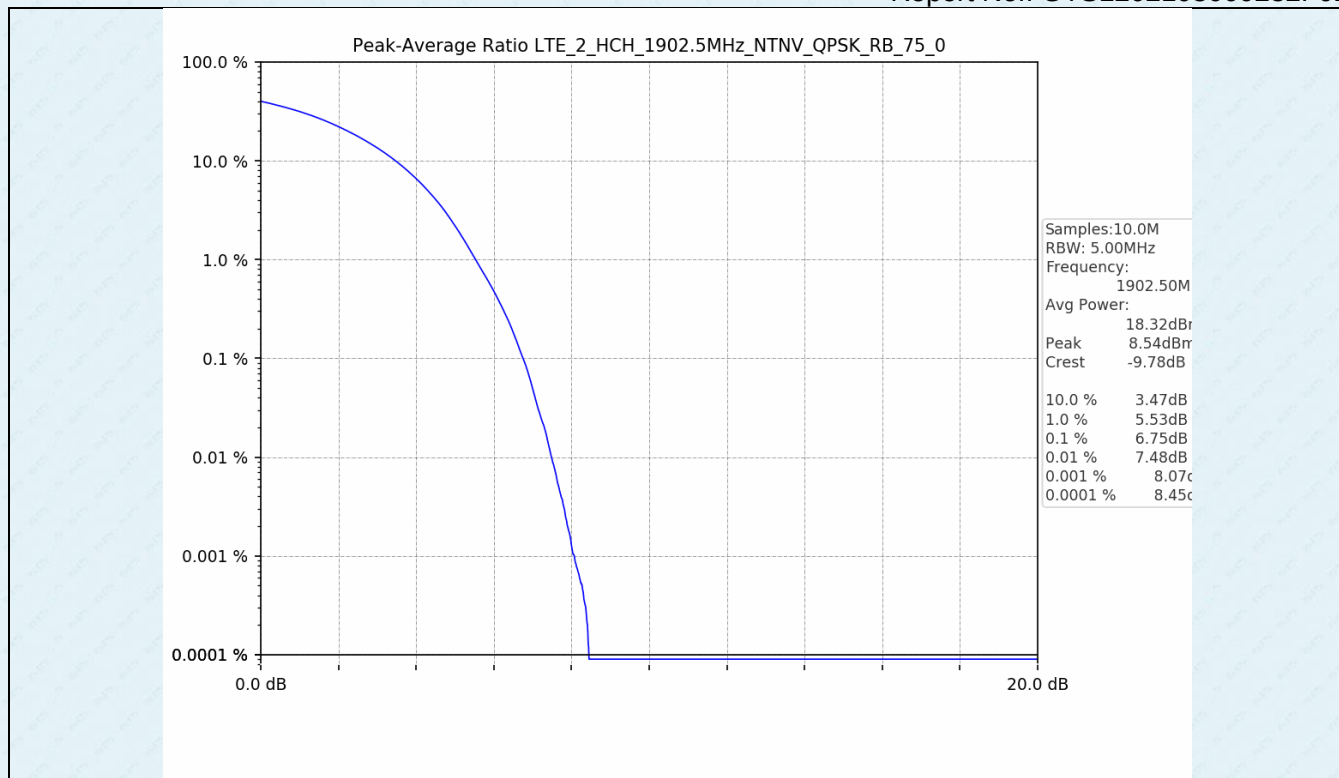
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	6.66	6.71	6.75	13	PASS
16QAM	75	0	7.19	7.27	7.29	13	PASS

4.2 Test Graph









Test Band: 2_20MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	7.13	7.02	7.16	13	PASS
16QAM	100	0	7.40	8.40	7.52	13	PASS

4.2 Test Graph

