

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	20.48	20.93	22.48	/	0.83	21.31	21.76	23.31	33.01	PASS
		2	20.51	20.88	22.52	/	0.83	21.34	21.71	23.35	33.01	PASS
		5	20.54	20.87	22.62	/	0.83	21.37	21.70	23.45	33.01	PASS
	3	0	20.51	21.13	22.51	/	0.83	21.34	21.96	23.34	33.01	PASS
		2	20.54	21.13	22.46	/	0.83	21.37	21.96	23.29	33.01	PASS
		3	20.57	21.11	22.38	/	0.83	21.40	21.94	23.21	33.01	PASS
	6	0	19.68	20.22	21.69	/	0.83	20.51	21.05	22.52	33.01	PASS
	19.46		20.44	21.83	/	0.83	20.29	21.27	22.66	33.01	PASS	
	16QAM	1	2	19.51	20.43	21.80	/	0.83	20.34	21.26	22.63	33.01
5			19.52	20.42	21.80	/	0.83	20.35	21.25	22.63	33.01	PASS
3			0	19.35	19.99	21.53	/	0.83	20.18	20.82	22.36	33.01
		2	19.33	19.97	21.50	/	0.83	20.16	20.80	22.33	33.01	PASS
		3	19.33	19.97	21.55	/	0.83	20.16	20.80	22.38	33.01	PASS
6		0	18.78	19.47	20.92	/	0.83	19.61	20.30	21.75	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	20.47	21.01	22.35	/	0.83	21.30	21.84	23.18	33.01	PASS	
		7	20.56	20.88	22.34	/	0.83	21.39	21.71	23.17	33.01	PASS	
		14	20.61	20.80	22.45	/	0.83	21.44	21.63	23.28	33.01	PASS	
	8	0	19.56	20.14	21.53	/	0.83	20.39	20.97	22.36	33.01	PASS	
		4	19.62	20.09	21.50	/	0.83	20.45	20.92	22.33	33.01	PASS	
		7	19.62	20.06	21.62	/	0.83	20.45	20.89	22.45	33.01	PASS	
	15	0	19.56	20.05	21.44	/	0.83	20.39	20.88	22.27	33.01	PASS	
			19.46	20.50	21.76	/	0.83	20.29	21.33	22.59	33.01	PASS	
		1	7	19.58	20.43	21.80	/	0.83	20.41	21.26	22.63	33.01	PASS
16QAM	1	14	19.58	20.36	21.80	/	0.83	20.41	21.19	22.63	33.01	PASS	
		8	0	18.93	19.29	20.89	/	0.83	19.76	20.12	21.72	33.01	PASS
			4	18.97	19.28	20.92	/	0.83	19.80	20.11	21.75	33.01	PASS
	7		19.03	19.25	20.98	/	0.83	19.86	20.08	21.81	33.01	PASS	
	15	0	18.76	19.24	20.85	/	0.83	19.59	20.07	21.68	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	20.47	21.27	22.43	/	0.83	21.30	22.10	23.26	33.01	PASS
		13	20.57	21.15	22.25	/	0.83	21.40	21.98	23.08	33.01	PASS
		24	20.82	21.02	22.41	/	0.83	21.65	21.85	23.24	33.01	PASS
	12	0	19.56	20.10	21.35	/	0.83	20.39	20.93	22.18	33.01	PASS
		6	19.61	20.07	21.42	/	0.83	20.44	20.90	22.25	33.01	PASS
		13	19.70	19.99	21.49	/	0.83	20.53	20.82	22.32	33.01	PASS
	25	0	19.60	20.03	21.36	/	0.83	20.43	20.86	22.19	33.01	PASS

16QAM	1		19.26	20.59	21.23	/	0.83	20.09	21.42	22.06	33.01	PASS
		13	19.45	20.43	21.20	/	0.83	20.28	21.26	22.03	33.01	PASS
		24	19.55	20.35	21.35	/	0.83	20.38	21.18	22.18	33.01	PASS
	12	0	18.77	19.27	20.57	/	0.83	19.60	20.10	21.40	33.01	PASS
		6	18.79	19.23	20.69	/	0.83	19.62	20.06	21.52	33.01	PASS
		13	18.95	19.16	20.94	/	0.83	19.78	19.99	21.77	33.01	PASS
	25	0	18.86	19.20	20.70	/	0.83	19.69	20.03	21.53	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	20.50	21.23	21.75	/	0.83	21.33	22.06	22.58	33.01	PASS	
		25	20.64	20.88	22.15	/	0.83	21.47	21.71	22.98	33.01	PASS	
		49	21.08	20.71	22.38	/	0.83	21.91	21.54	23.21	33.01	PASS	
	25	0	19.59	20.13	21.01	/	0.83	20.42	20.96	21.84	33.01	PASS	
		13	19.74	19.97	21.25	/	0.83	20.57	20.80	22.08	33.01	PASS	
		25	19.93	19.91	21.34	/	0.83	20.76	20.74	22.17	33.01	PASS	
	50	0	19.71	19.99	21.12	/	0.83	20.54	20.82	21.95	33.01	PASS	
			19.53	20.71	21.28	/	0.83	20.36	21.54	22.11	33.01	PASS	
		1	25	19.88	20.43	21.63	/	0.83	20.71	21.26	22.46	33.01	PASS
16QAM	1	49	20.13	20.27	21.85	/	0.83	20.96	21.10	22.68	33.01	PASS	
		25	0	18.97	19.38	20.45	/	0.83	19.80	20.21	21.28	33.01	PASS
			13	19.13	19.25	20.52	/	0.83	19.96	20.08	21.35	33.01	PASS
	25		19.30	19.15	20.66	/	0.83	20.13	19.98	21.49	33.01	PASS	
	50	0	19.04	19.25	20.42	/	0.83	19.87	20.08	21.25	33.01	PASS	
			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	20.52	21.37	21.34	/	0.83	21.35	22.20	22.17	33.01	PASS
		38	20.96	20.88	21.97	/	0.83	21.79	21.71	22.80	33.01	PASS
		74	21.35	20.67	22.38	/	0.83	22.18	21.50	23.21	33.01	PASS
	36	0	19.84	20.31	20.80	/	0.83	20.67	21.14	21.63	33.01	PASS
		18	20.01	20.10	21.10	/	0.83	20.84	20.93	21.93	33.01	PASS
		39	20.29	19.94	21.36	/	0.83	21.12	20.77	22.19	33.01	PASS
	75	0	20.06	20.17	21.12	/	0.83	20.89	21.00	21.95	33.01	PASS
16QAM	1		18	19.23	19.32	20.42	/	0.83	20.06	20.15	21.25	33.01
16QAM	1	0	19.01	19.50	20.12	/	0.83	19.84	20.33	20.95	33.01	PASS
		18	19.23	19.32	20.42	/	0.83	20.06	20.15	21.25	33.01	PASS
		39	19.46	19.21	20.68	/	0.83	20.29	20.04	21.51	33.01	PASS
	36	0	19.28	19.38	20.36	/	0.83	20.11	20.21	21.19	33.01	PASS
		18	19.46	19.21	20.68	/	0.83	20.29	20.04	21.51	33.01	PASS
		39	19.46	19.21	20.68	/	0.83	20.29	20.04	21.51	33.01	PASS
	75	0	19.28	19.38	20.36	/	0.83	20.11	20.21	21.19	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	Verdict

	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH	(dBm)	
QPSK	1	0	20.26	21.42	21.11	/	0.83	21.09	22.25	21.94	33.01	PASS
		50	21.17	20.96	21.95	/	0.83	22.00	21.79	22.78	33.01	PASS
		99	21.46	20.94	23.01	/	0.83	22.29	21.77	23.84	33.01	PASS
	50	0	19.84	20.21	20.35	/	0.83	20.67	21.04	21.18	33.01	PASS
		25	20.11	20.04	20.73	/	0.83	20.94	20.87	21.56	33.01	PASS
		50	20.29	19.85	21.16	/	0.83	21.12	20.68	21.99	33.01	PASS
	100	0	20.11	20.12	20.71	/	0.83	20.94	20.95	21.54	33.01	PASS
		0	20.24	20.57	20.42	/	0.83	21.07	21.40	21.25	33.01	PASS
		0	20.74	20.13	21.28	/	0.83	21.57	20.96	22.11	33.01	PASS
16QAM	1	50	21.07	20.07	22.09	/	0.83	21.90	20.90	22.92	33.01	PASS
		99	21.07	20.07	22.09	/	0.83	21.90	20.90	22.92	33.01	PASS
		99	21.07	20.07	22.09	/	0.83	21.90	20.90	22.92	33.01	PASS
	50	0	18.98	19.45	19.62	/	0.83	19.81	20.28	20.45	33.01	PASS
		25	19.29	19.24	20.05	/	0.83	20.12	20.07	20.88	33.01	PASS
		50	19.51	19.08	20.41	/	0.83	20.34	19.91	21.24	33.01	PASS
	100	0	19.31	19.30	19.97	/	0.83	20.14	20.13	20.80	33.01	PASS
		0	19.31	19.30	19.97	/	0.83	20.14	20.13	20.80	33.01	PASS
		0	19.31	19.30	19.97	/	0.83	20.14	20.13	20.80	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	-50.1680	-30.3125	-15.7785	-0.0271	-0.0161	-0.0083	2.50	PASS
				NV	-41.1415	-41.5421	-15.9359	-0.0222	-0.0221	-0.0083	2.50	PASS
				HV	-40.6838	-51.9562	-8.0109	-0.0220	-0.0276	-0.0042	2.50	PASS
16QAM	6	0	NT	LV	-41.0986	-38.2805	-21.7009	-0.0222	-0.0204	-0.0114	2.50	PASS
				NV	-35.2192	-45.0611	-16.3508	-0.0190	-0.0240	-0.0086	2.50	PASS
				HV	-30.8132	-3.2759	-15.0776	-0.0166	-0.0017	-0.0079	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	-21.8582	-70.7102	-26.5360	-0.0118	-0.0376	-0.0139	2.50	PASS
				-20.00	-21.3146	-69.7946	-22.1872	-0.0115	-0.0371	-0.0116	2.50	PASS
				-10.00	-19.1975	-63.9582	-17.8814	-0.0104	-0.0340	-0.0094	2.50	PASS
				0.00	-23.9754	-68.6646	-22.6736	-0.0130	-0.0365	-0.0119	2.50	PASS
				10.00	-20.7281	-61.8839	-21.7152	-0.0112	-0.0329	-0.0114	2.50	PASS
				20.00	-17.1089	-32.7301	-9.8133	-0.0092	-0.0174	-0.0051	2.50	PASS
				30.00	-12.2452	-23.4175	-1.9169	-0.0066	-0.0125	-0.0010	2.50	PASS
				40.00	-4.6062	-22.5735	-24.7621	-0.0025	-0.0120	-0.0130	2.50	PASS
				50.00	-14.2479	-15.1777	-19.0544	-0.0077	-0.0081	-0.0100	2.50	PASS
16QAM	6	0	NV	-30.00	-27.6375	-13.1321	-6.1369	-0.0149	-0.0070	-0.0032	2.50	PASS
				-20.00	-41.5134	-21.8582	-8.4686	-0.0224	-0.0116	-0.0044	2.50	PASS
				-10.00	-37.7226	-21.8582	-3.9768	-0.0204	-0.0116	-0.0021	2.50	PASS
				0.00	-38.9671	-35.2335	-21.5006	-0.0211	-0.0187	-0.0113	2.50	PASS
				10.00	-35.9774	-33.8316	-26.0353	-0.0194	-0.0180	-0.0136	2.50	PASS
				20.00	-37.7369	-24.7765	-16.2077	-0.0204	-0.0132	-0.0085	2.50	PASS
				30.00	-36.1347	-25.0769	-6.0368	-0.0195	-0.0133	-0.0032	2.50	PASS
				40.00	-39.7253	-18.0101	-8.4686	-0.0215	-0.0096	-0.0044	2.50	PASS
				50.00	-41.2703	-28.5530	-9.8562	-0.0223	-0.0152	-0.0052	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	-16.5224	-20.4706	-0.5865	-0.0089	-0.0109	-0.0003	2.50	PASS
				NV	-17.1804	-20.5708	-0.0858	-0.0093	-0.0109	0.0000	2.50	PASS
				HV	-19.0544	-17.8242	-16.2649	-0.0103	-0.0095	-0.0085	2.50	PASS
16QAM	15	0	NT	LV	-12.7602	-15.8644	-14.0190	-0.0069	-0.0084	-0.0073	2.50	PASS
				NV	-10.3140	-12.1880	-13.2752	-0.0056	-0.0065	-0.0070	2.50	PASS
				HV	-9.0551	-10.5858	-13.7615	-0.0049	-0.0056	-0.0072	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	-8.4686	-14.6914	-23.1314	-0.0046	-0.0078	-0.0121	2.50	PASS
				-20.00	-16.5081	-16.9516	-19.2833	-0.0089	-0.0090	-0.0101	2.50	PASS
				-10.00	-9.1124	-12.6314	-14.4768	-0.0049	-0.0067	-0.0076	2.50	PASS
				0.00	-7.5674	-15.7785	-10.8576	-0.0041	-0.0084	-0.0057	2.50	PASS
				10.00	-7.3671	-14.1048	-8.6403	-0.0040	-0.0075	-0.0045	2.50	PASS
				20.00	-4.6349	-14.7772	-11.9877	-0.0025	-0.0079	-0.0063	2.50	PASS
				30.00	-8.4400	-13.4897	-8.9264	-0.0046	-0.0072	-0.0047	2.50	PASS
				40.00	-6.2799	-13.1893	-4.7064	-0.0034	-0.0070	-0.0025	2.50	PASS
				50.00	-20.2704	-14.5483	-7.5674	-0.0109	-0.0077	-0.0040	2.50	PASS
16QAM	15	0	NV	-30.00	-7.4244	-13.5326	-9.9993	-0.0040	-0.0072	-0.0052	2.50	PASS
				-20.00	-2.6178	-13.0892	-11.0722	-0.0014	-0.0070	-0.0058	2.50	PASS
				-10.00	-6.6376	-6.1941	-5.5504	-0.0036	-0.0033	-0.0029	2.50	PASS
				0.00	2.6464	-4.2057	-0.6723	0.0014	-0.0022	-0.0004	2.50	PASS
				10.00	-0.5150	-5.8937	-3.7909	-0.0003	-0.0031	-0.0020	2.50	PASS
				20.00	-10.6859	0.8583	-11.4584	-0.0058	0.0005	-0.0060	2.50	PASS
				30.00	-2.9182	2.7323	-10.7861	-0.0016	0.0015	-0.0057	2.50	PASS
				40.00	-0.6151	-1.6308	-13.6042	-0.0003	-0.0009	-0.0071	2.50	PASS
				50.00	-5.0354	-5.9938	-9.8562	-0.0027	-0.0032	-0.0052	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	-12.6314	-23.2029	-11.9734	-0.0068	-0.0123	-0.0063	2.50	PASS
				NV	-14.5340	-27.4515	-10.2997	-0.0078	-0.0146	-0.0054	2.50	PASS
				HV	-10.6573	-21.8296	-7.4100	-0.0058	-0.0116	-0.0039	2.50	PASS
16QAM	25	0	NT	LV	-10.2997	-11.3297	-13.9475	-0.0056	-0.0060	-0.0073	2.50	PASS
				NV	-3.0899	-9.2697	-12.8317	-0.0017	-0.0049	-0.0067	2.50	PASS
				HV	4.5633	-5.2786	-11.5728	0.0025	-0.0028	-0.0061	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	-6.0511	-18.6396	-12.5313	-0.0033	-0.0099	-0.0066	2.50	PASS
				-20.00	-6.1655	-21.8010	-19.6409	-0.0033	-0.0116	-0.0103	2.50	PASS
				-10.00	-10.2139	-18.8971	-12.6457	-0.0055	-0.0101	-0.0066	2.50	PASS
				0.00	-3.8052	-19.1402	-9.9278	-0.0021	-0.0102	-0.0052	2.50	PASS
				10.00	-7.6675	-19.3405	-7.2098	-0.0041	-0.0103	-0.0038	2.50	PASS
				20.00	-5.4216	-20.1273	-11.4155	-0.0029	-0.0107	-0.0060	2.50	PASS
				30.00	-12.2166	-20.1845	-11.3154	-0.0066	-0.0107	-0.0059	2.50	PASS
				40.00	-11.9591	-18.3964	-12.4311	-0.0065	-0.0098	-0.0065	2.50	PASS
				50.00	-11.9019	-19.5265	-9.3269	-0.0064	-0.0104	-0.0049	2.50	PASS
16QAM	25	0	NV	-30.00	-0.3147	-2.9325	-10.7145	-0.0002	-0.0016	-0.0056	2.50	PASS

				-20.00	-2.1029	-3.4618	-10.2568	-0.0011	-0.0018	-0.0054	2.50	PASS
				-10.00	-11.6301	0.7868	-10.6001	-0.0063	0.0004	-0.0056	2.50	PASS
				0.00	-6.1512	-2.7895	-4.3344	-0.0033	-0.0015	-0.0023	2.50	PASS
				10.00	-25.2485	-19.2261	-6.8522	-0.0136	-0.0102	-0.0036	2.50	PASS
				20.00	-14.2622	-23.0742	-18.4679	-0.0077	-0.0123	-0.0097	2.50	PASS
				30.00	-12.2881	-13.5469	-18.6253	-0.0066	-0.0072	-0.0098	2.50	PASS
				40.00	-6.0368	-11.8017	-22.3160	-0.0033	-0.0063	-0.0117	2.50	PASS
				50.00	-13.0320	-8.2827	-15.6927	-0.0070	-0.0044	-0.0082	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	-3.2616	-5.7077	-16.1362	-0.0018	-0.0030	-0.0085	2.50	PASS
				NV	-5.2357	-4.4060	-18.1675	-0.0028	-0.0023	-0.0095	2.50	PASS
				HV	-6.4516	-6.5231	-20.8282	-0.0035	-0.0035	-0.0109	2.50	PASS
16QAM	50	0	NT	LV	-13.1035	-5.1641	-5.0497	-0.0071	-0.0027	-0.0027	2.50	PASS
				NV	-6.3372	-2.3174	-9.3126	-0.0034	-0.0012	-0.0049	2.50	PASS
				HV	-8.4257	-1.7166	-8.6832	-0.0045	-0.0009	-0.0046	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	-11.9162	-11.8017	-20.6137	-0.0064	-0.0063	-0.0108	2.50	PASS
				-20.00	-6.6948	-6.5088	-17.4666	-0.0036	-0.0035	-0.0092	2.50	PASS
				-10.00	-1.2016	-12.6886	-23.5605	-0.0006	-0.0067	-0.0124	2.50	PASS
				0.00	-6.9666	-11.9591	-22.8310	-0.0038	-0.0064	-0.0120	2.50	PASS
				10.00	-0.5865	-13.0892	-25.5346	-0.0003	-0.0070	-0.0134	2.50	PASS
				20.00	-5.1069	-14.4911	-25.8064	-0.0028	-0.0077	-0.0135	2.50	PASS
				30.00	-11.6014	-20.1702	-24.5190	-0.0063	-0.0107	-0.0129	2.50	PASS
				40.00	-15.3780	-15.7928	-29.2969	-0.0083	-0.0084	-0.0154	2.50	PASS
				50.00	-9.4414	-18.8255	-28.6818	-0.0051	-0.0100	-0.0151	2.50	PASS
16QAM	50	0	NV	-30.00	-2.7180	-7.4816	-7.2241	-0.0015	-0.0040	-0.0038	2.50	PASS
				-20.00	-5.5361	-1.9741	-4.9782	-0.0030	-0.0011	-0.0026	2.50	PASS
				-10.00	-1.5163	2.3890	4.6349	-0.0008	0.0013	0.0024	2.50	PASS
				0.00	0.5579	1.9598	-0.4721	0.0003	0.0010	-0.0002	2.50	PASS
				10.00	0.6437	0.9155	-0.3719	0.0003	0.0005	-0.0002	2.50	PASS
				20.00	0.1574	-5.7220	-4.2200	0.0001	-0.0030	-0.0022	2.50	PASS
				30.00	-12.1880	-6.0081	-0.8440	-0.0066	-0.0032	-0.0004	2.50	PASS
				40.00	-5.9223	-4.6921	1.5593	-0.0032	-0.0025	0.0008	2.50	PASS
				50.00	-13.6757	-3.3760	-1.6880	-0.0074	-0.0018	-0.0009	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	-17.7813	-17.9815	-8.0395	-0.0096	-0.0096	-0.0042	2.50	PASS
				NV	-27.1797	-18.5680	-15.9931	-0.0146	-0.0099	-0.0084	2.50	PASS
				HV	-26.4358	-23.9611	-20.0558	-0.0142	-0.0127	-0.0105	2.50	PASS
16QAM	75	0	NT	LV	-6.3658	-8.0252	-6.5517	-0.0034	-0.0043	-0.0034	2.50	PASS
				NV	-7.9393	-6.5088	-8.4114	-0.0043	-0.0035	-0.0044	2.50	PASS
				HV	-23.4032	-0.1001	-11.1723	-0.0126	-0.0001	-0.0059	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	-28.9679	-25.2342	-17.6525	-0.0156	-0.0134	-0.0093	2.50	PASS
				-20.00	-26.3357	-21.4434	-22.0728	-0.0142	-0.0114	-0.0116	2.50	PASS
				-10.00	-29.6688	-18.5108	-17.5667	-0.0160	-0.0098	-0.0092	2.50	PASS
				0.00	-32.1150	-18.4393	-23.8180	-0.0173	-0.0098	-0.0125	2.50	PASS
				10.00	-28.0523	-20.0415	-22.5020	-0.0151	-0.0107	-0.0118	2.50	PASS
				20.00	-29.6545	-22.8739	-25.9352	-0.0160	-0.0122	-0.0136	2.50	PASS
				30.00	-29.7117	-26.3357	-23.9754	-0.0160	-0.0140	-0.0126	2.50	PASS
				40.00	-16.6655	-31.1565	-31.4999	-0.0090	-0.0166	-0.0166	2.50	PASS
				50.00	-19.0973	-26.1068	-13.6042	-0.0103	-0.0139	-0.0072	2.50	PASS
16QAM	75	0	NV	-30.00	3.9768	-5.8651	-10.8004	0.0021	-0.0031	-0.0057	2.50	PASS
				-20.00	1.9598	-5.4359	-7.8106	0.0011	-0.0029	-0.0041	2.50	PASS
				-10.00	-20.7281	-9.1696	-10.3426	-0.0112	-0.0049	-0.0054	2.50	PASS
				0.00	-13.0034	-7.9966	-21.3575	-0.0070	-0.0043	-0.0112	2.50	PASS
				10.00	-34.6327	-5.7077	-14.5626	-0.0186	-0.0030	-0.0077	2.50	PASS
				20.00	-23.1600	-12.3739	-17.8242	-0.0125	-0.0066	-0.0094	2.50	PASS
				30.00	-19.2976	-9.5987	-13.2894	-0.0104	-0.0051	-0.0070	2.50	PASS
				40.00	-16.6368	-8.7261	-16.5796	-0.0090	-0.0046	-0.0087	2.50	PASS
				50.00	-23.3746	-9.8133	-19.1116	-0.0126	-0.0052	-0.0100	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	-7.0667	-21.1144	-13.2036	-0.0038	-0.0112	-0.0069	2.50	PASS
				NV	-11.2724	-24.7049	-17.1948	-0.0061	-0.0131	-0.0090	2.50	PASS
				HV	-16.6512	-24.6048	-17.9386	-0.0090	-0.0131	-0.0094	2.50	PASS
16QAM	100	0	NT	LV	-35.8200	-18.2104	-25.4345	-0.0193	-0.0097	-0.0134	2.50	PASS
				NV	-16.2792	-18.5966	-24.5905	-0.0088	-0.0099	-0.0129	2.50	PASS
				HV	-11.6158	-20.1845	-25.3344	-0.0062	-0.0107	-0.0133	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	-16.3364	-27.3228	-21.4004	-0.0088	-0.0145	-0.0113	2.50	PASS
				-20.00	-7.7391	-20.5708	-26.9651	-0.0042	-0.0109	-0.0142	2.50	PASS
				-10.00	-16.3221	-10.1566	-26.9651	-0.0088	-0.0054	-0.0142	2.50	PASS
				0.00	-17.7670	-12.5170	-31.8861	-0.0096	-0.0067	-0.0168	2.50	PASS
				10.00	-18.6396	-11.2009	-27.0081	-0.0100	-0.0060	-0.0142	2.50	PASS
				20.00	-18.4679	-18.8112	-29.4256	-0.0099	-0.0100	-0.0155	2.50	PASS
				30.00	-21.5578	-11.5585	-28.1811	-0.0116	-0.0061	-0.0148	2.50	PASS
				40.00	-19.7411	-13.9332	-22.4733	-0.0106	-0.0074	-0.0118	2.50	PASS
				50.00	-19.4264	-18.1961	-29.9120	-0.0104	-0.0097	-0.0157	2.50	PASS
16QAM	100	0	NV	-30.00	-17.3092	-16.4366	-24.1041	-0.0093	-0.0087	-0.0127	2.50	PASS
				-20.00	-20.8282	-21.2145	-31.5714	-0.0112	-0.0113	-0.0166	2.50	PASS
				-10.00	-22.2301	-23.8037	-13.5899	-0.0120	-0.0127	-0.0072	2.50	PASS
				0.00	-28.3384	-22.6021	-13.1893	-0.0152	-0.0120	-0.0069	2.50	PASS
				10.00	-28.0523	-37.1504	-11.1294	-0.0151	-0.0198	-0.0059	2.50	PASS
				20.00	-30.2982	-15.8787	-14.3051	-0.0163	-0.0084	-0.0075	2.50	PASS
				30.00	-32.5012	-11.6158	-9.8276	-0.0175	-0.0062	-0.0052	2.50	PASS
				40.00	-20.3133	-8.8978	-11.6873	-0.0109	-0.0047	-0.0062	2.50	PASS
				50.00	-22.1872	-18.0388	-12.0592	-0.0119	-0.0096	-0.0063	2.50	PASS

3. 99% & 26dB Bandwidth

3.1 Test Result

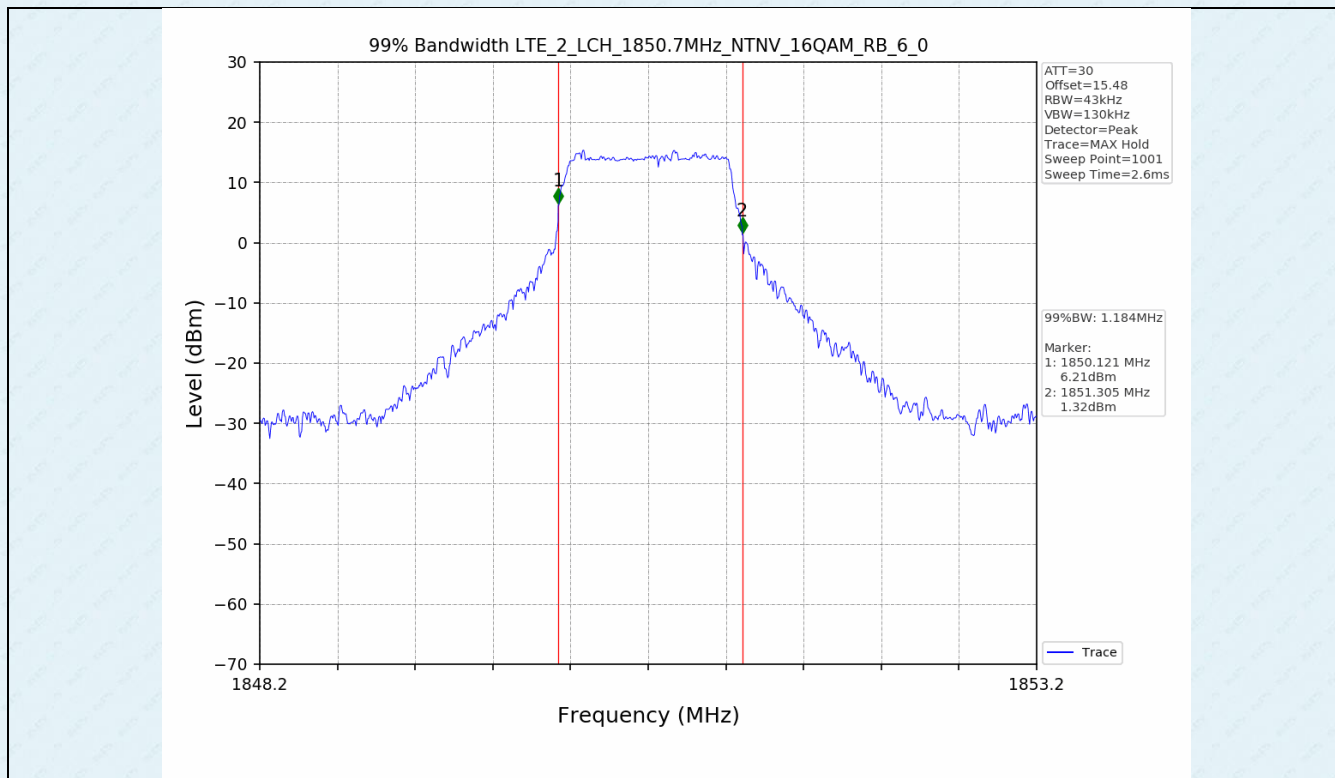
Global United Technology Services Co., Ltd.

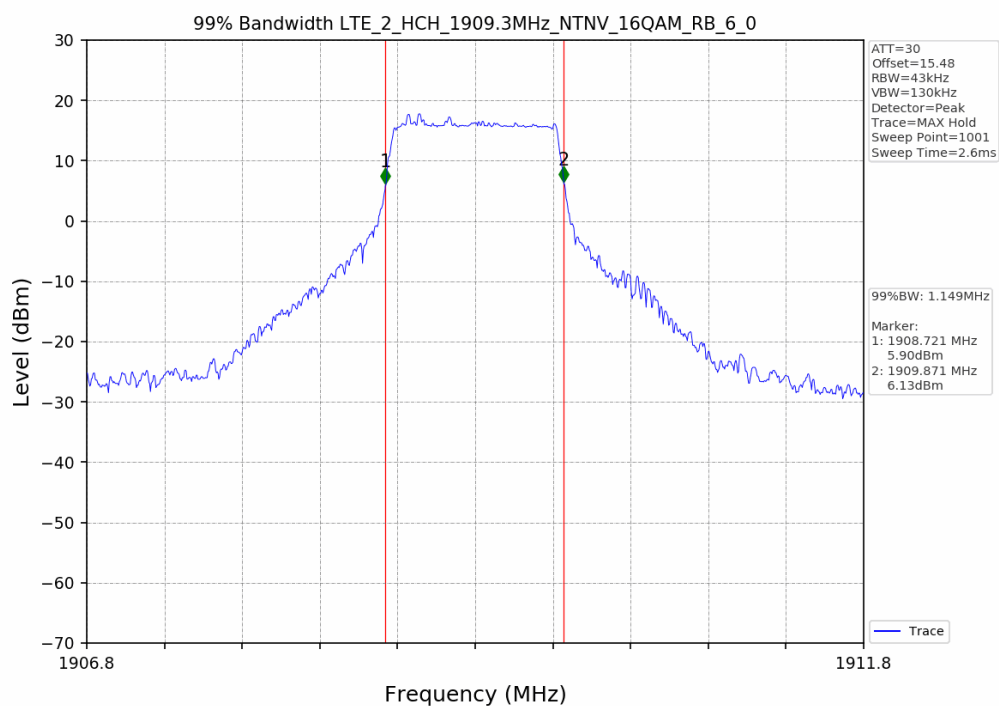
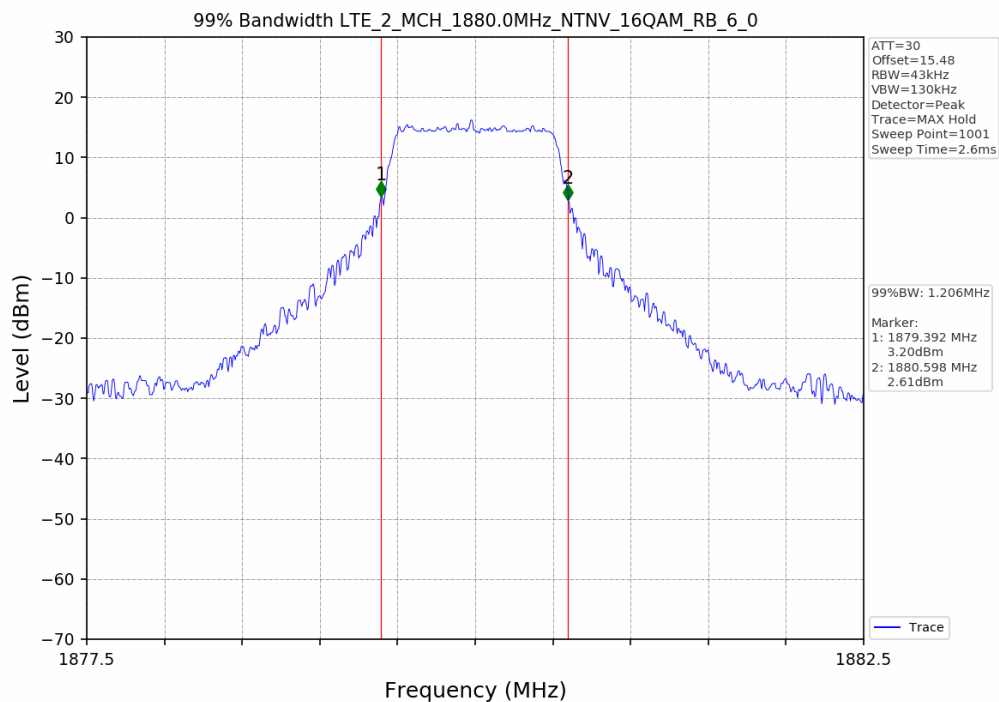
No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

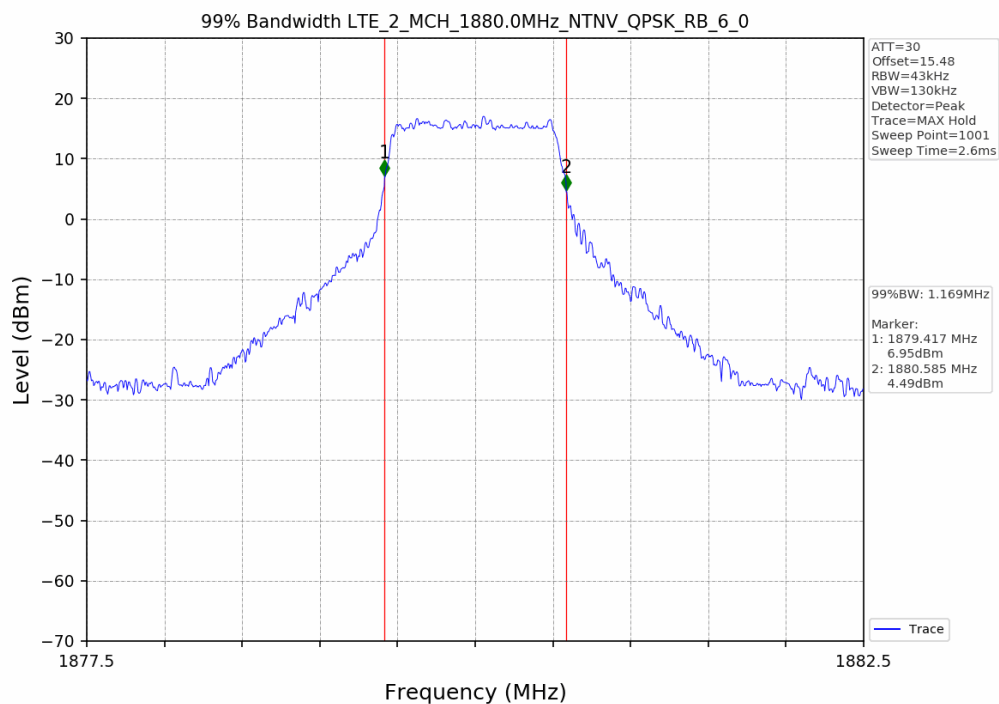
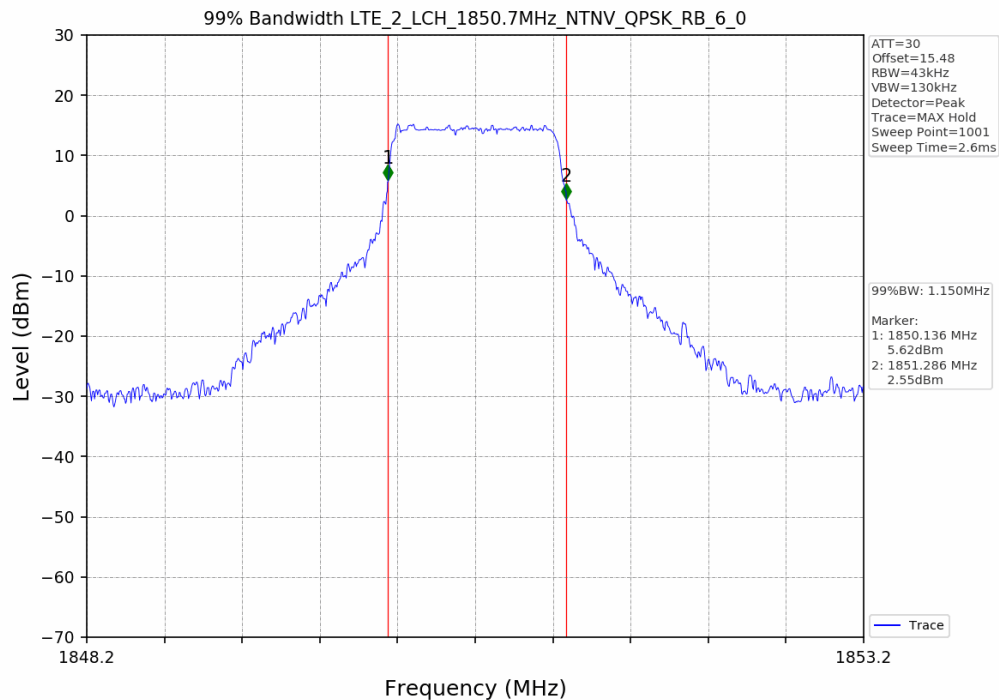
Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960

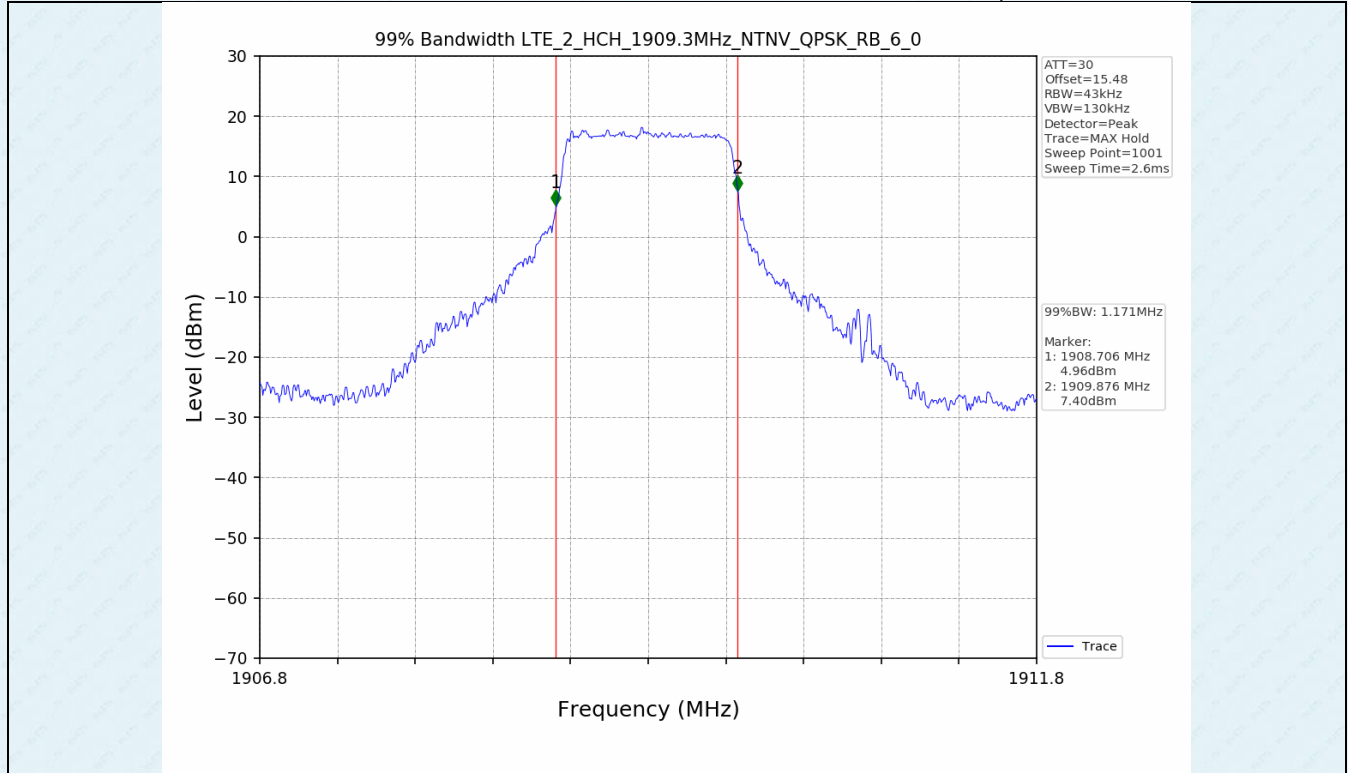
Test Band: 2_1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.150	1.169	1.171	N/A	PASS
16QAM	6	0	1.184	1.206	1.149	N/A	PASS

3.2 Test Graph



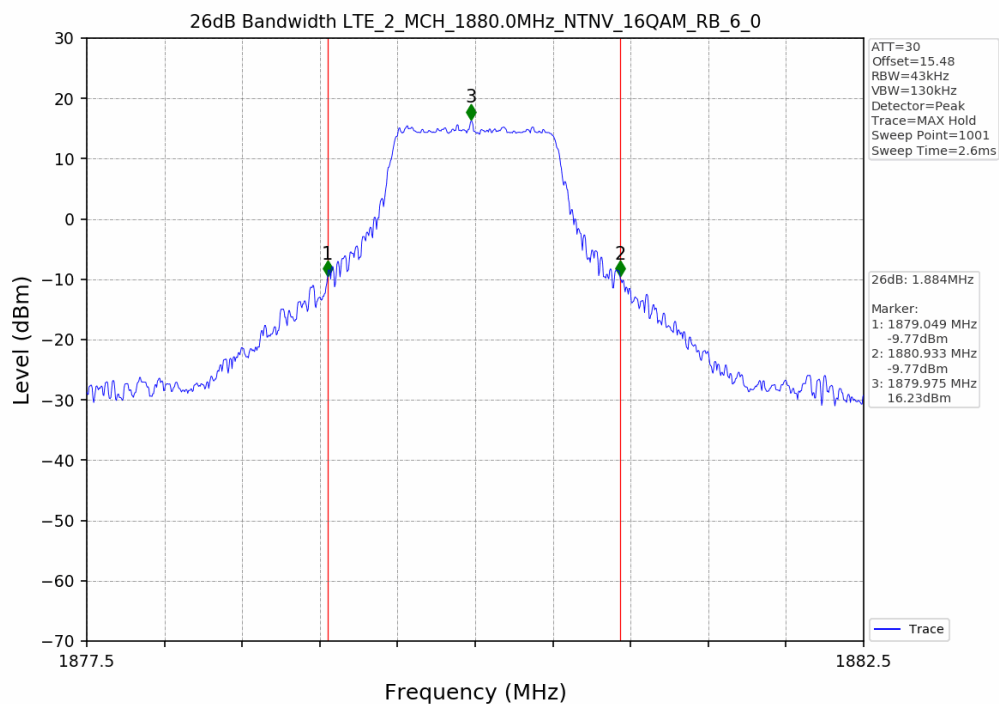
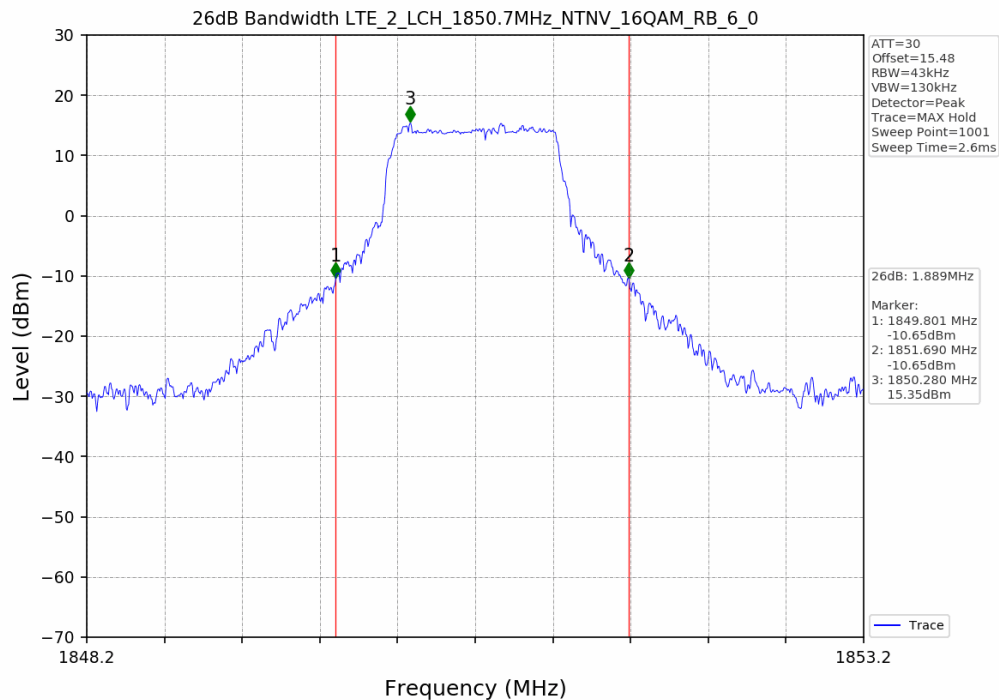


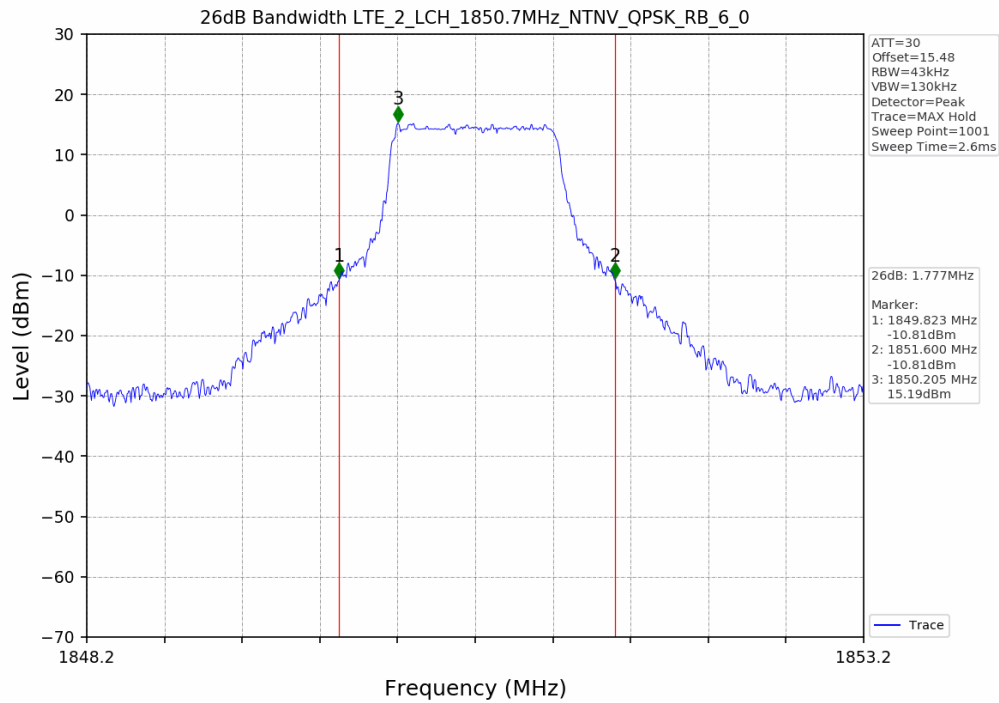
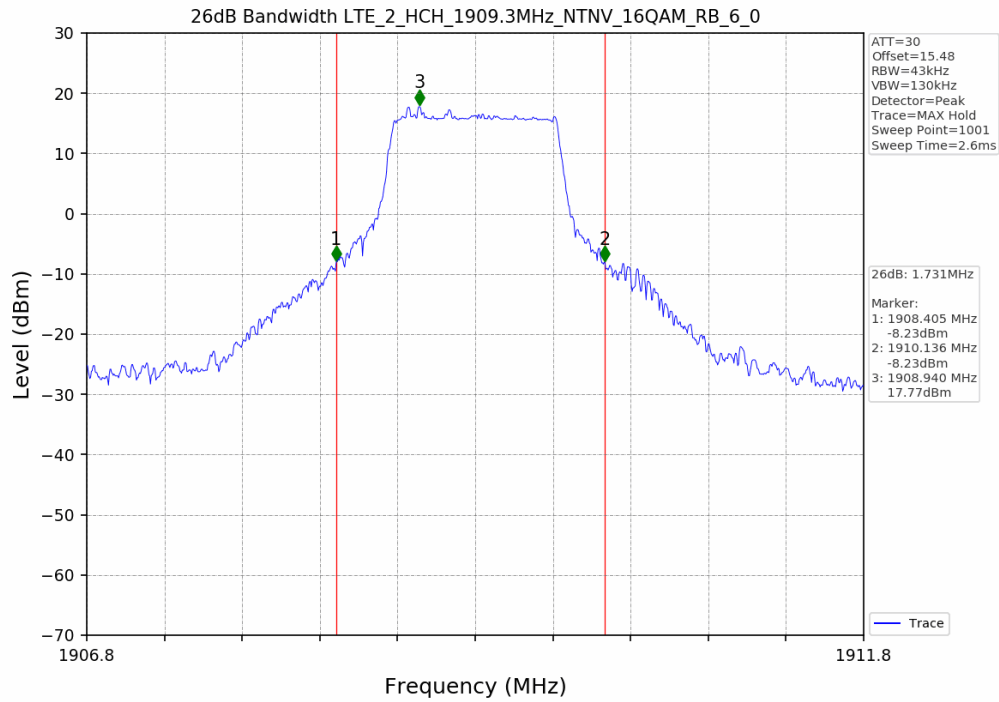


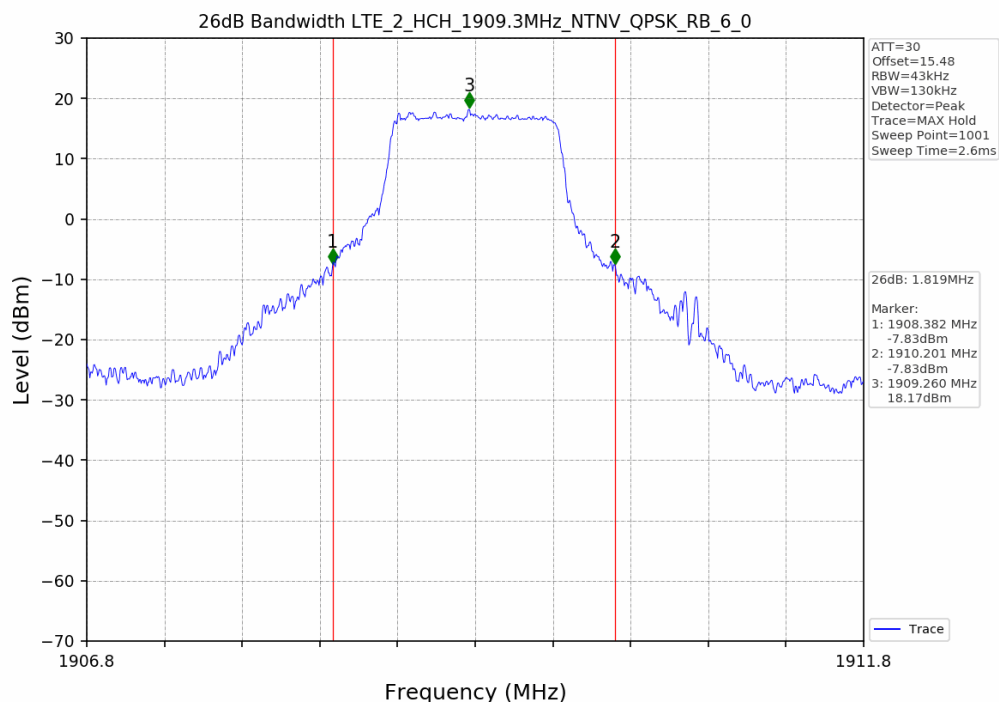
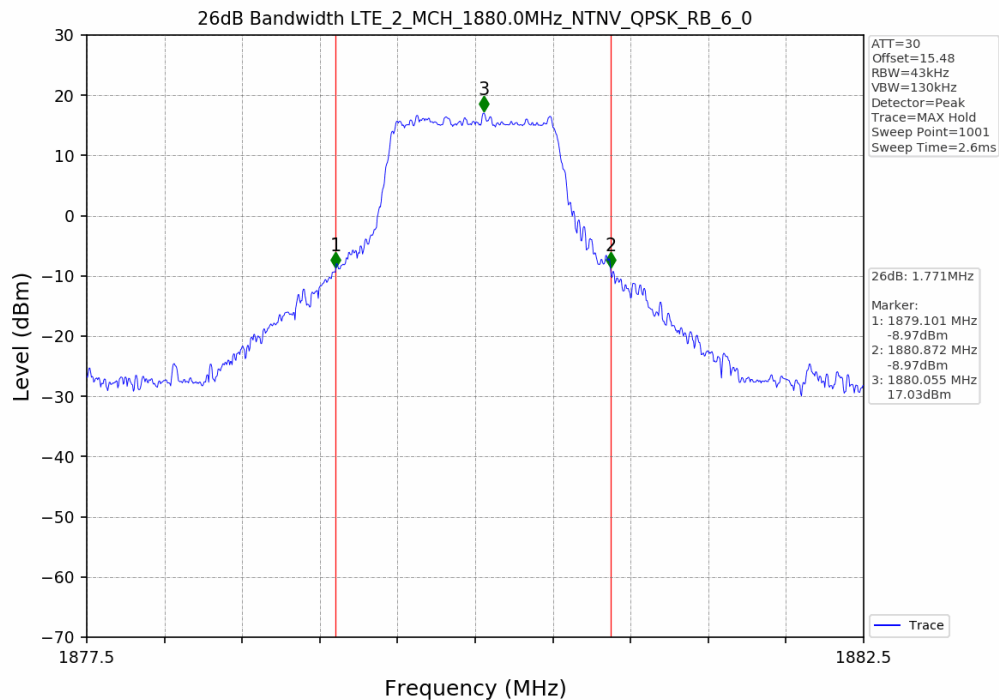


Test Band: 2 1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.777	1.771	1.819	N/A	PASS
16QAM	6	0	1.889	1.884	1.731	N/A	PASS

3.2 Test Graph



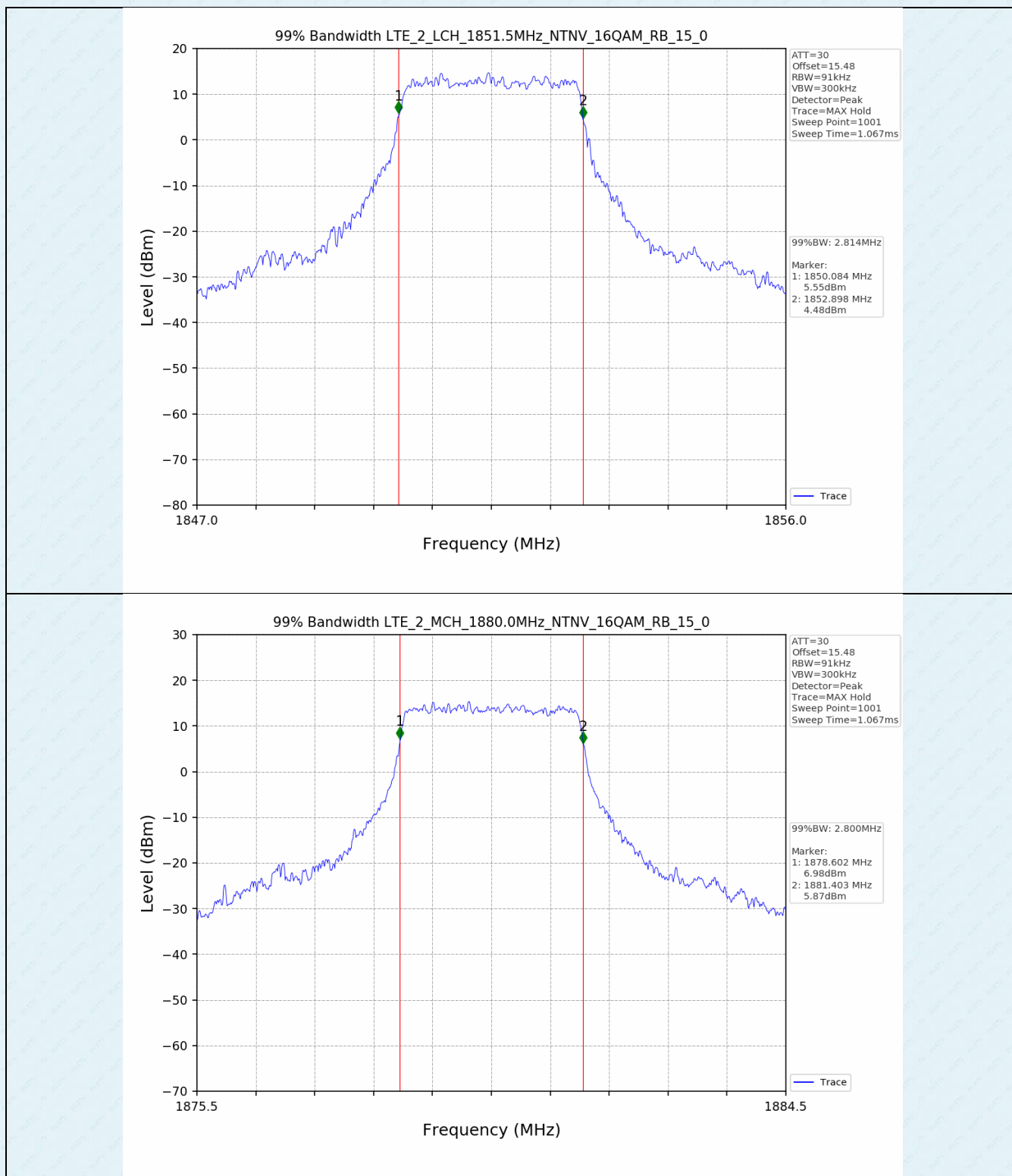


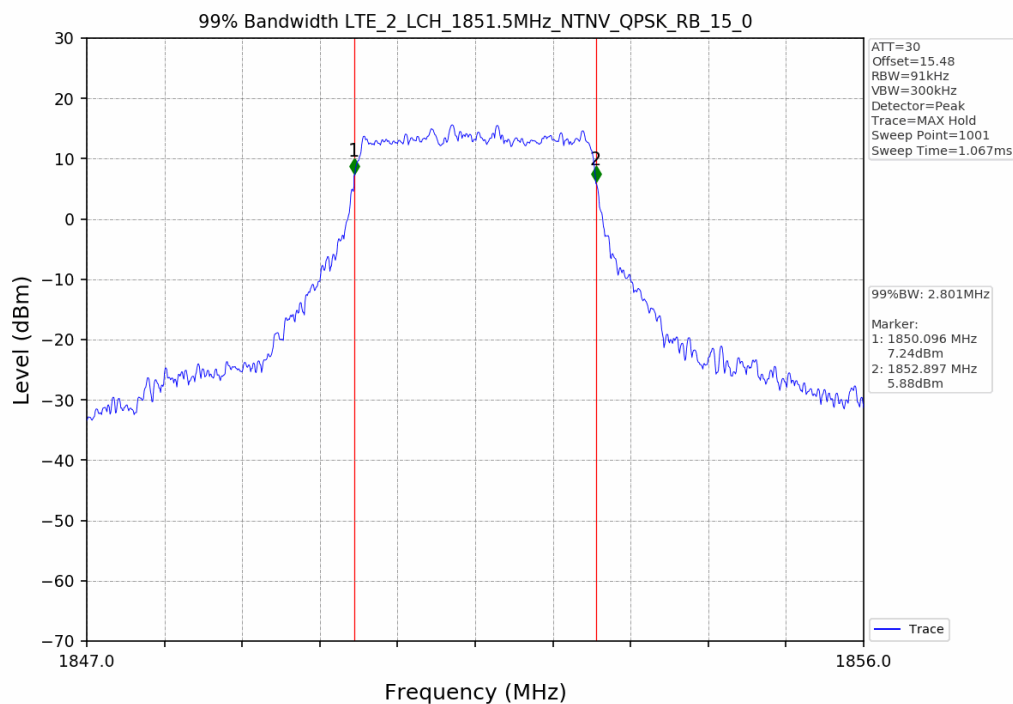
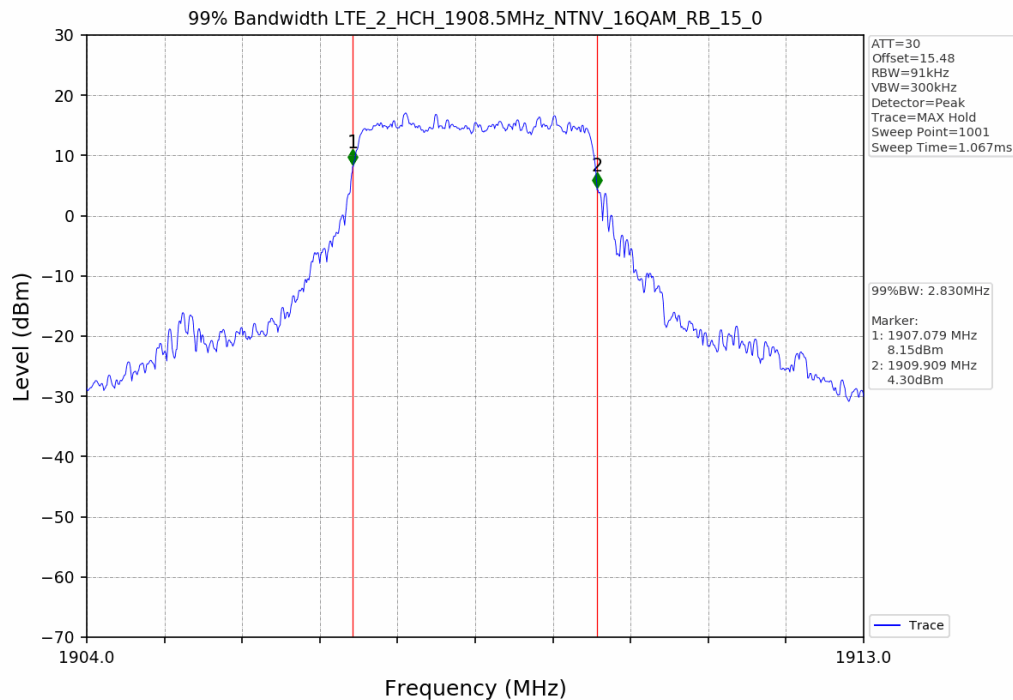


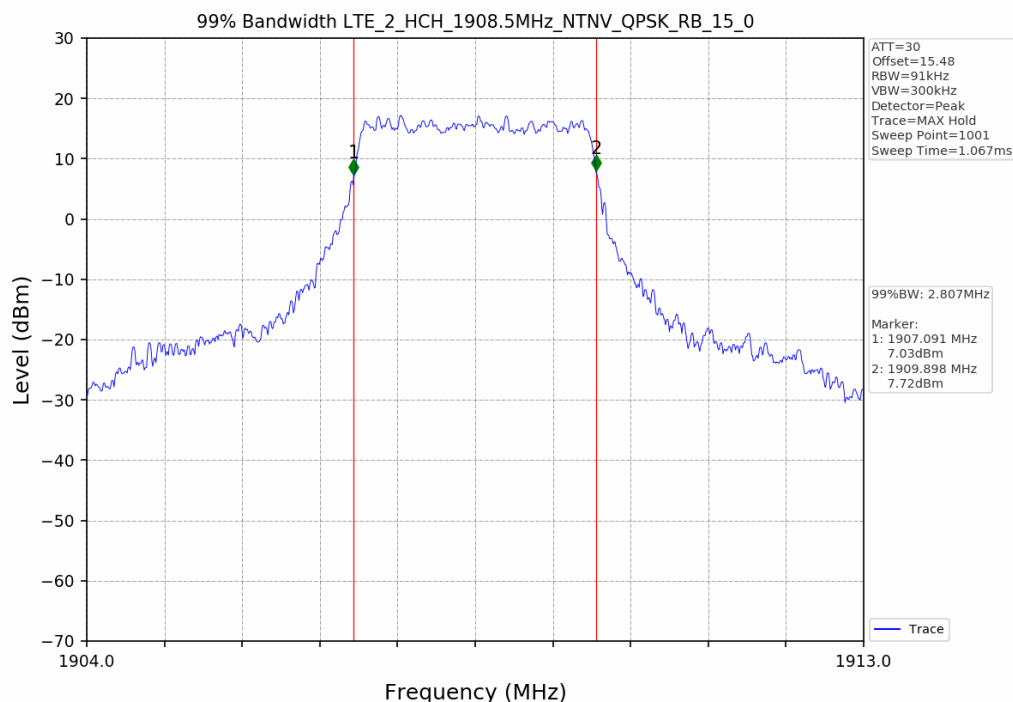
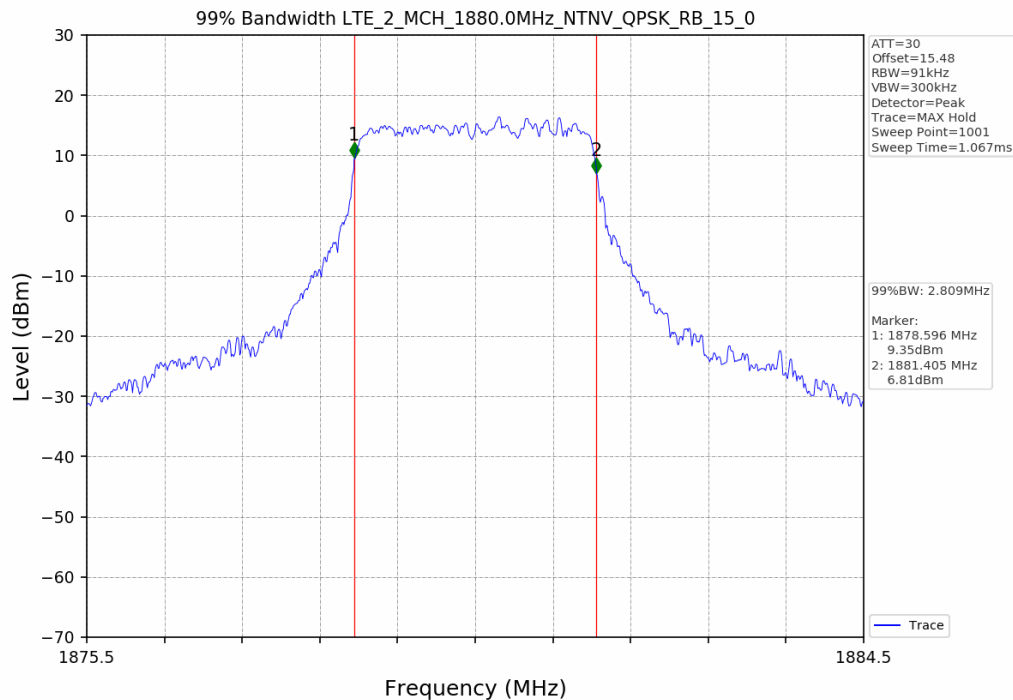
Test Band: 2 3MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		

QPSK	15	0	2.801	2.809	2.807	N/A	PASS
16QAM	15	0	2.814	2.800	2.830	N/A	PASS

3.2 Test Graph



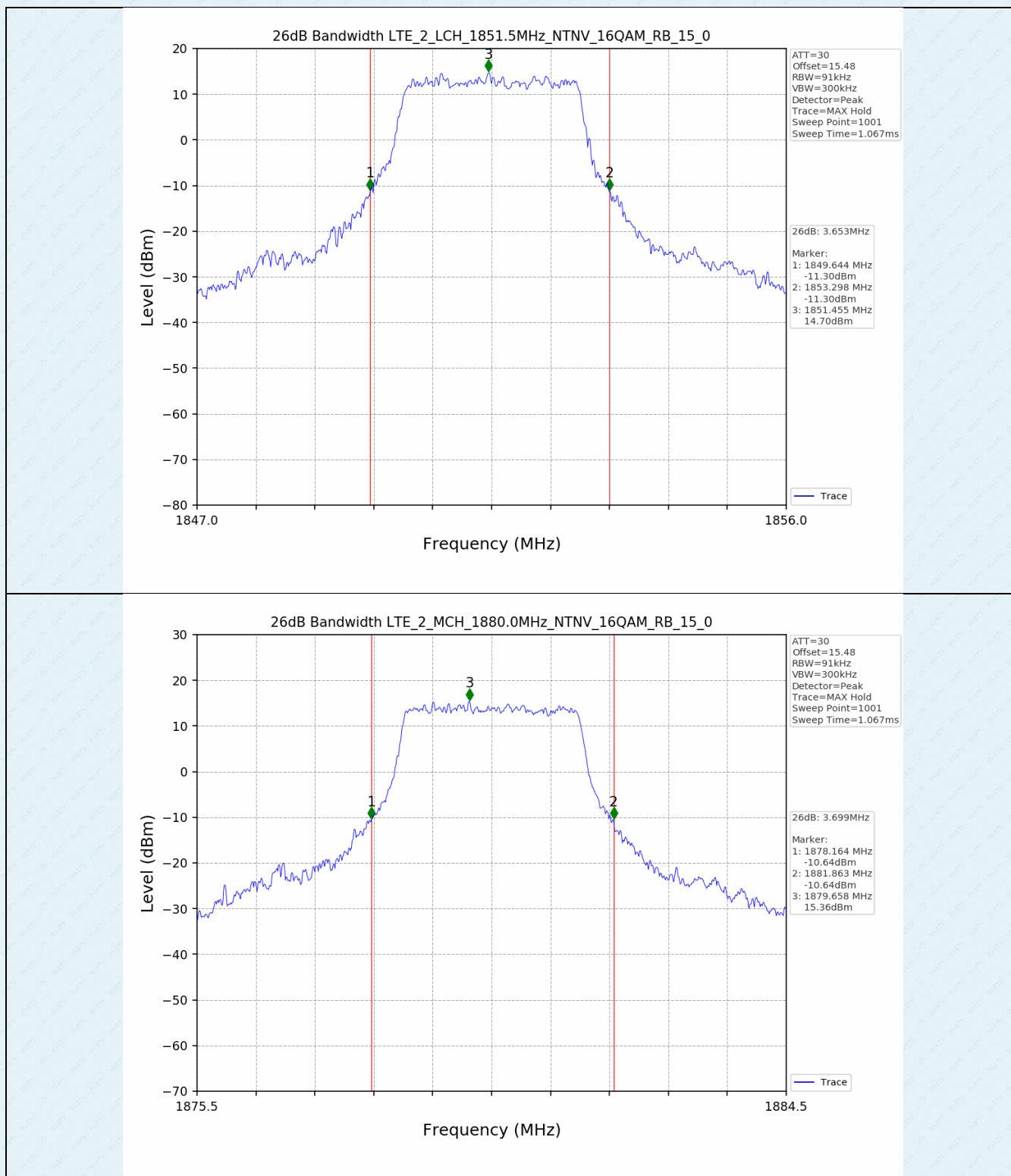


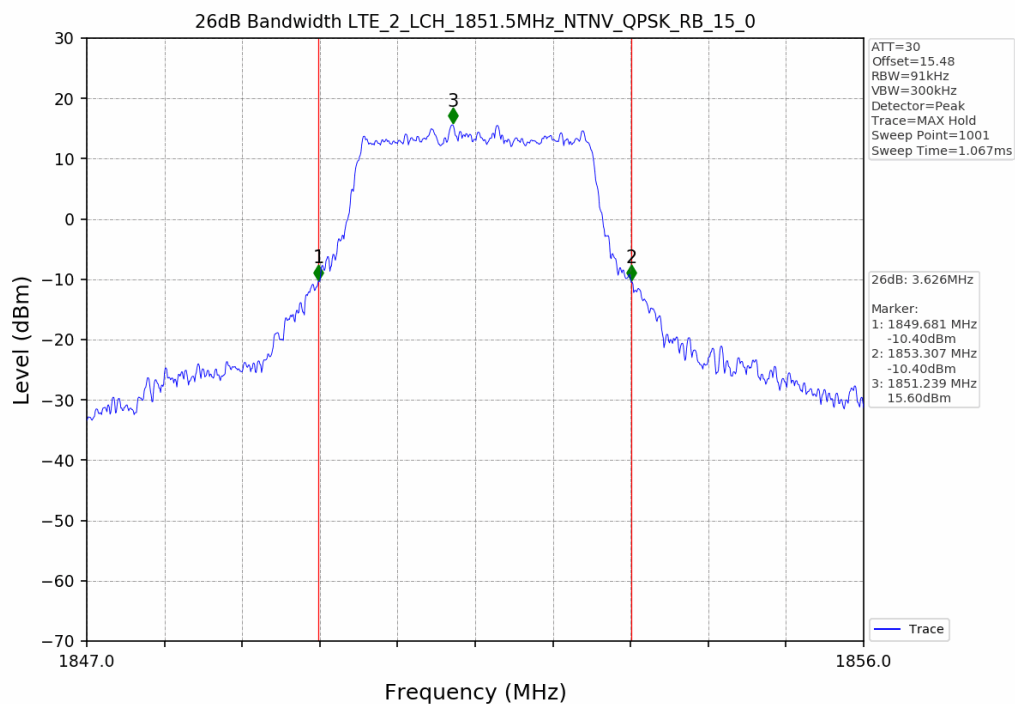
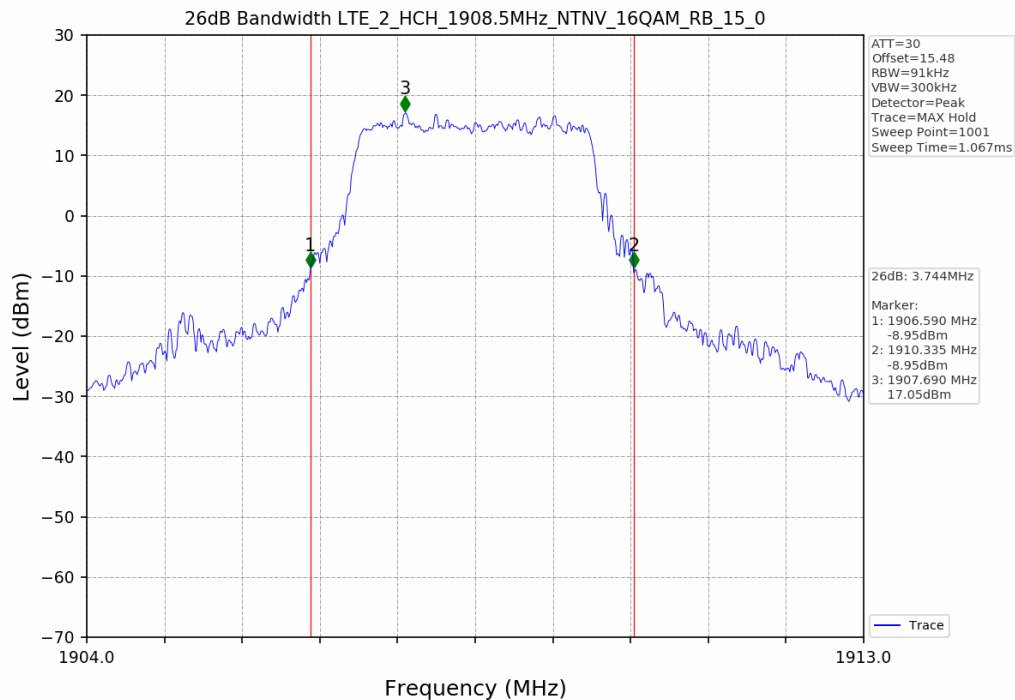


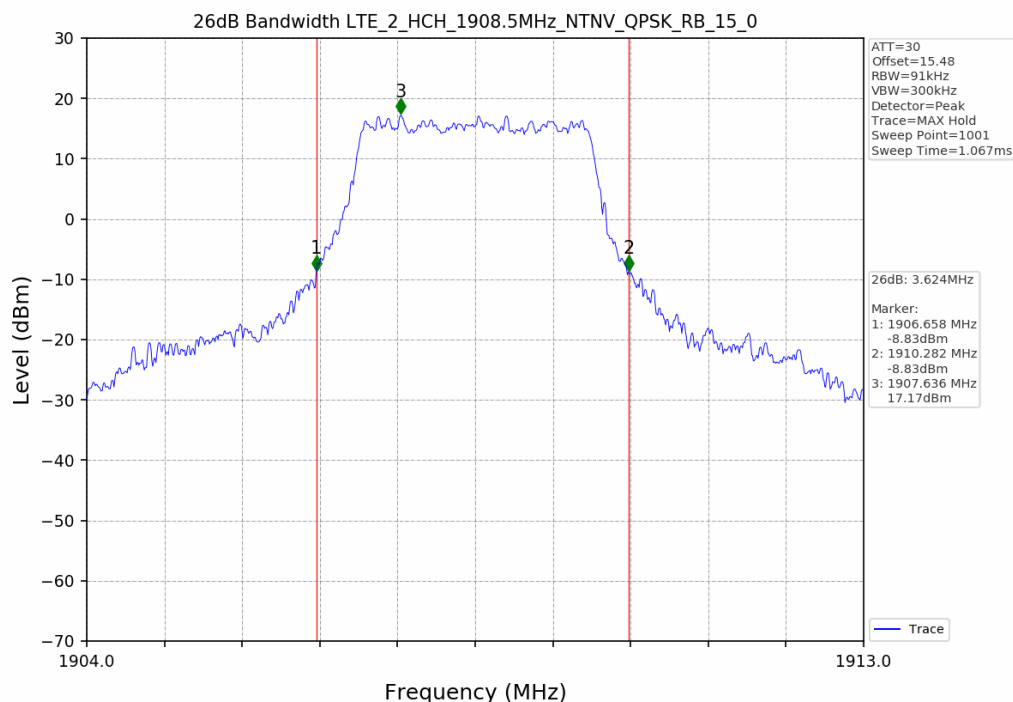
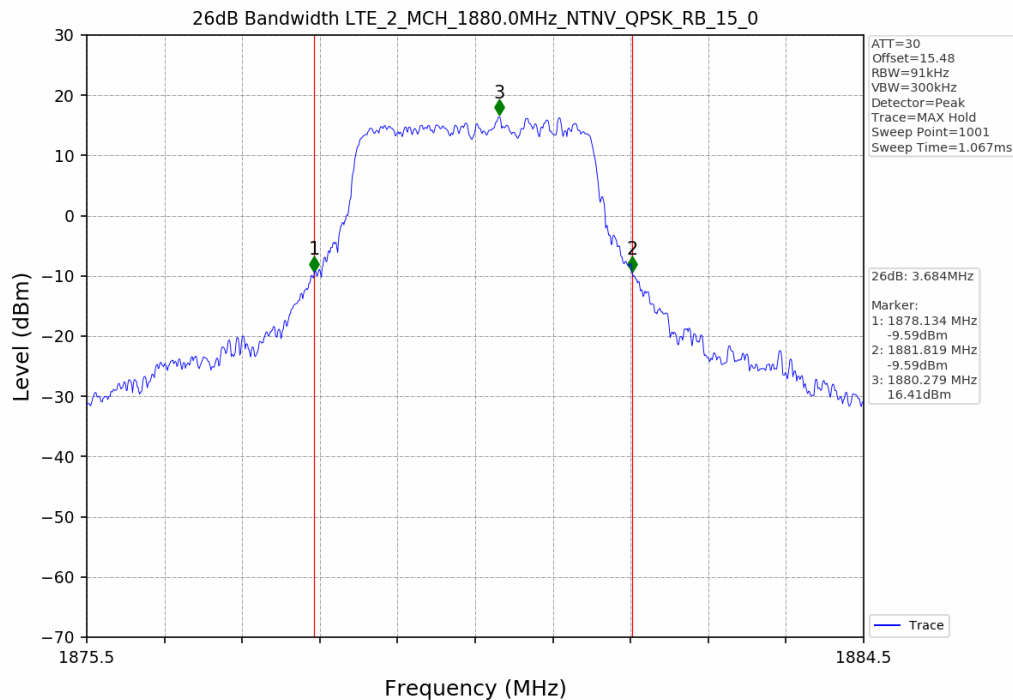
Test Band: 2 3MHz Bandwidth						
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit
	Size	Offset	LCH	MCH	HCH	

QPSK	15	0	3.626	3.684	3.624	N/A	PASS
16QAM	15	0	3.653	3.699	3.744	N/A	PASS

3.2 Test Graph



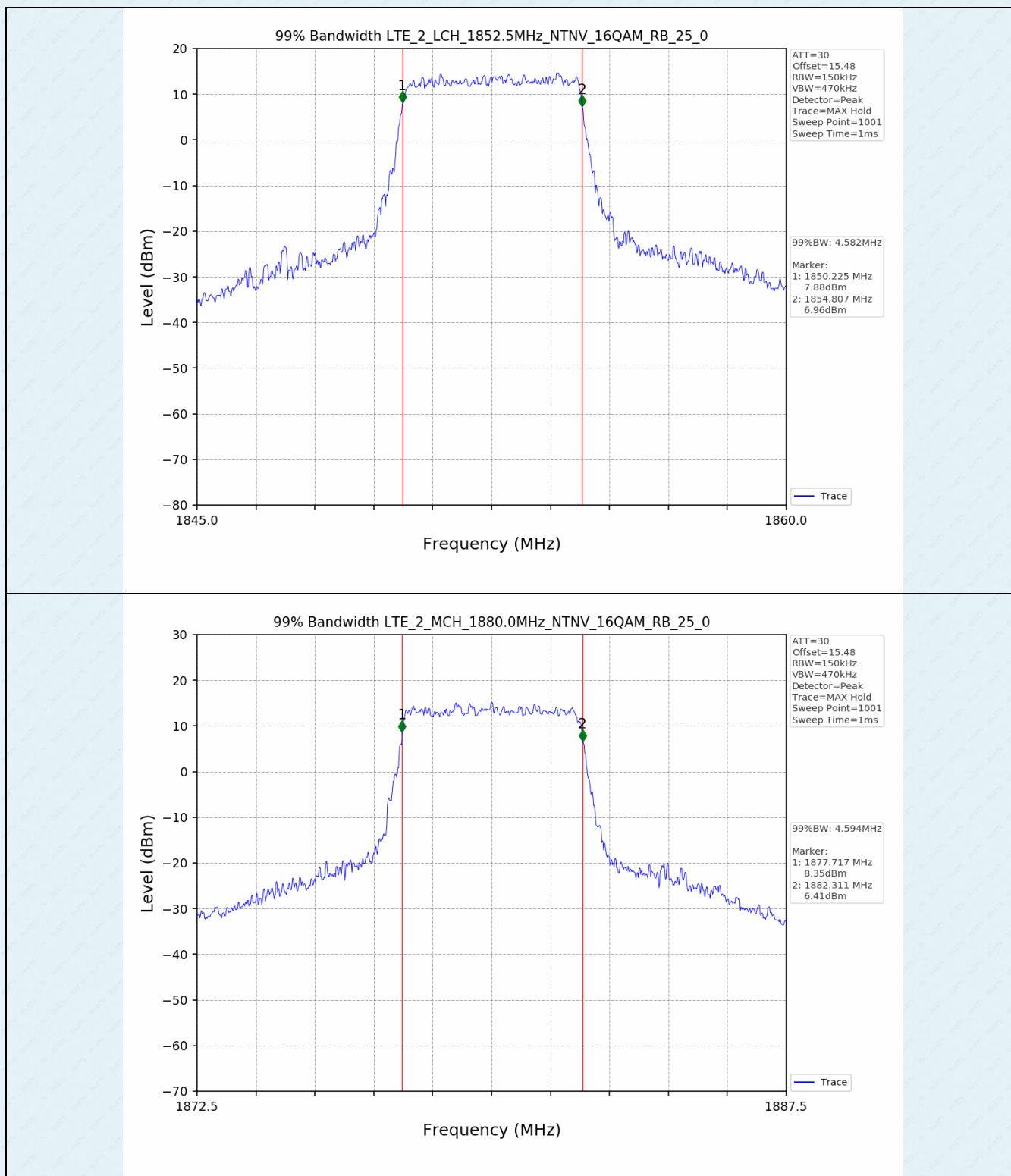


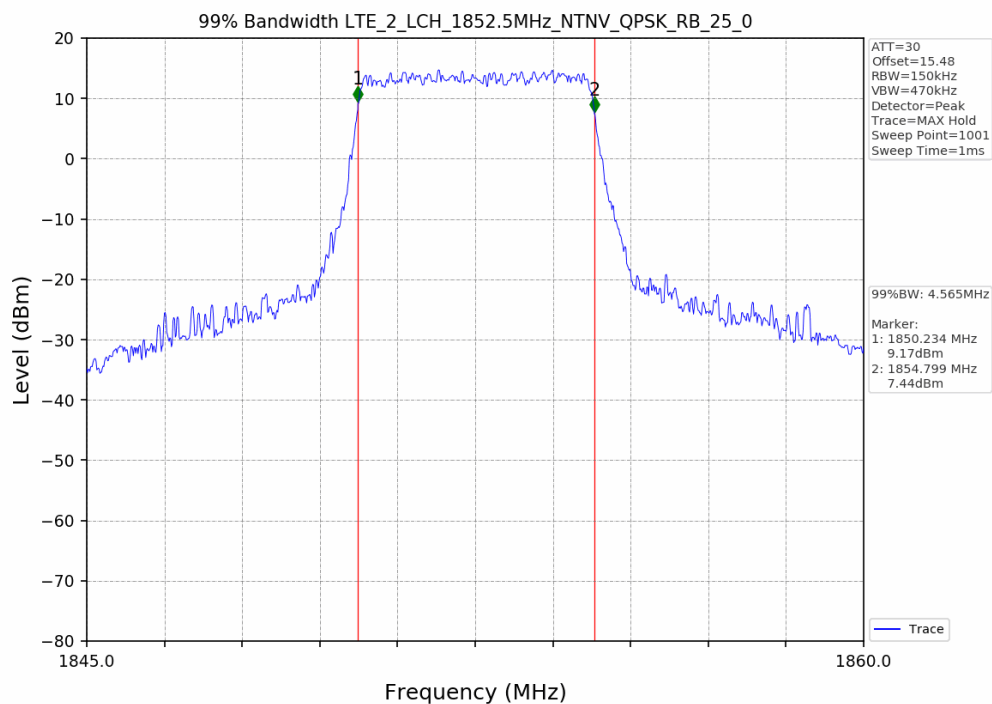
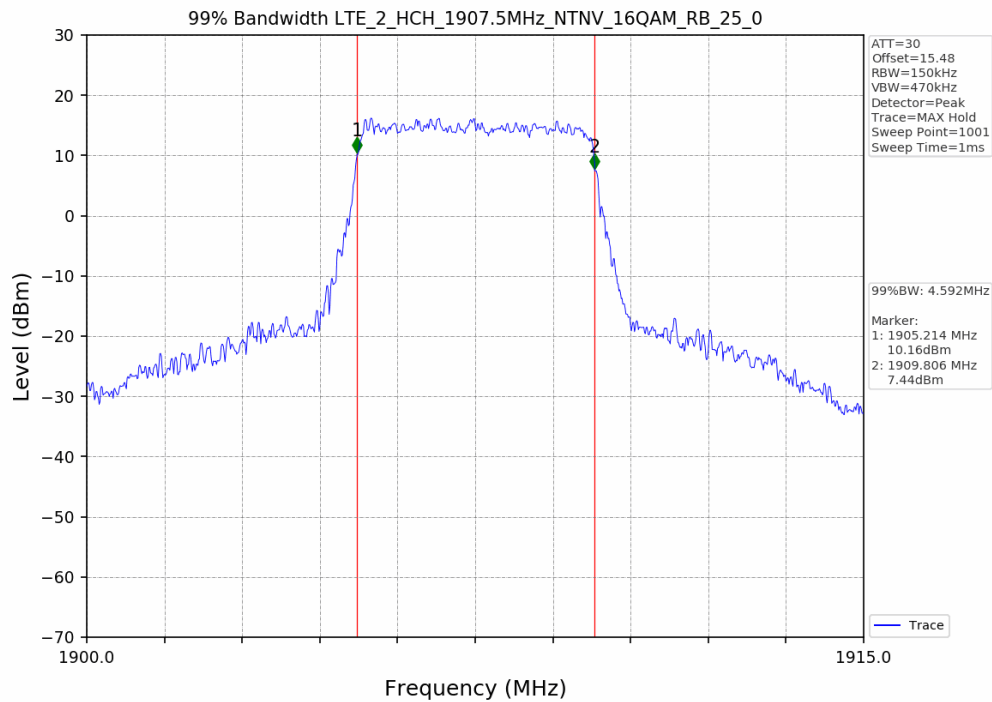


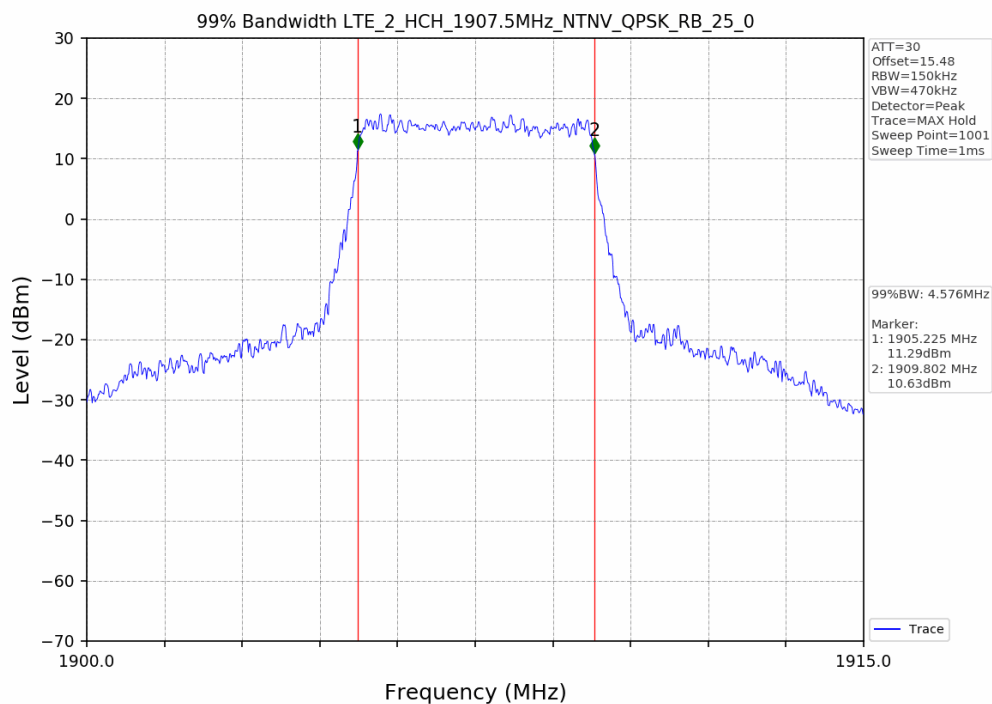
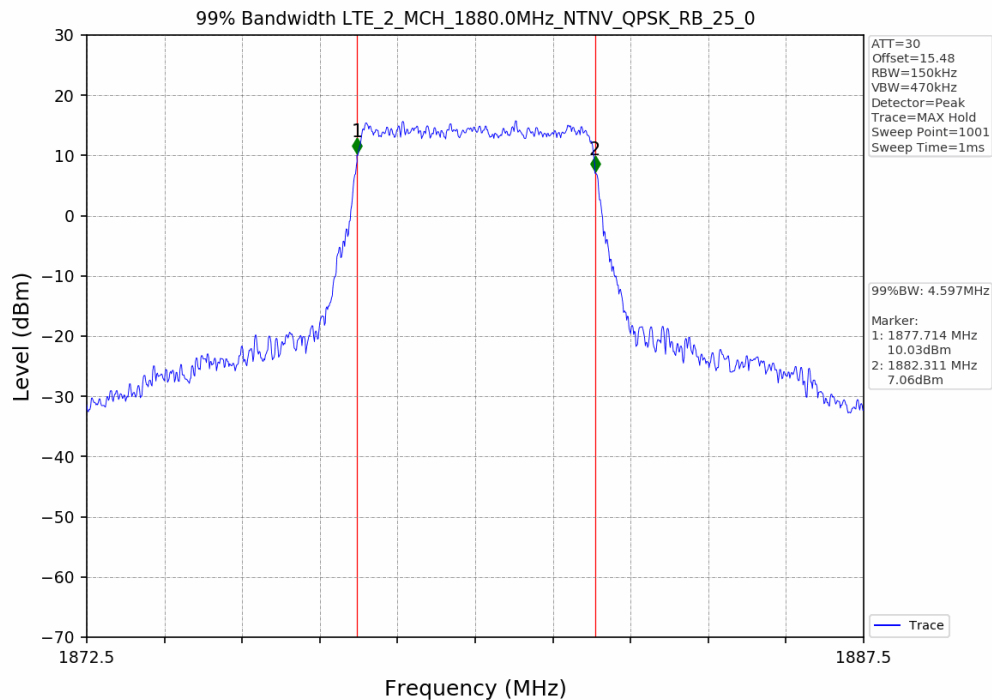
Test Band: 2 5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		

QPSK	25	0	4.565	4.597	4.576	N/A	PASS
16QAM	25	0	4.582	4.594	4.592	N/A	PASS

3.2 Test Graph



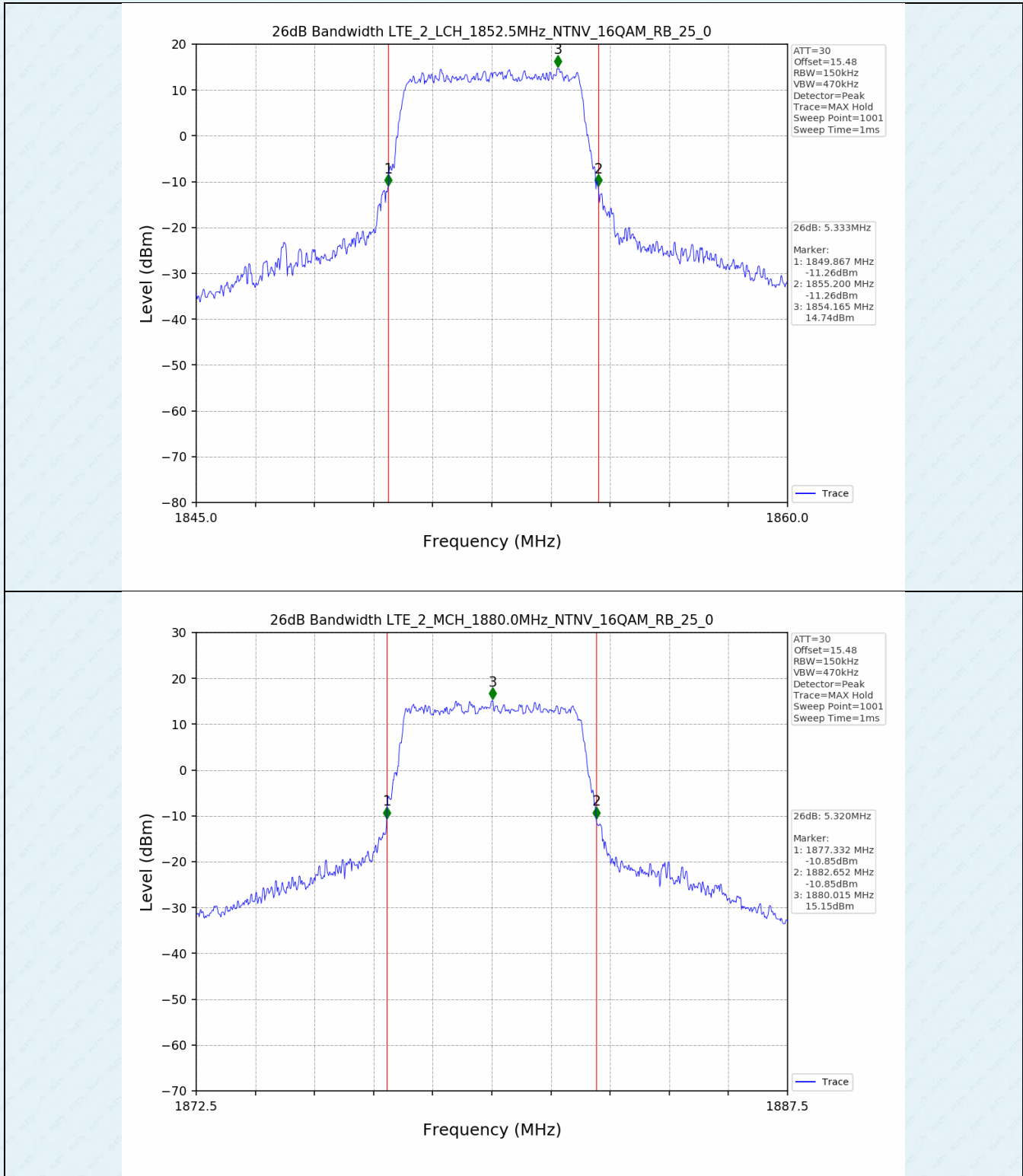


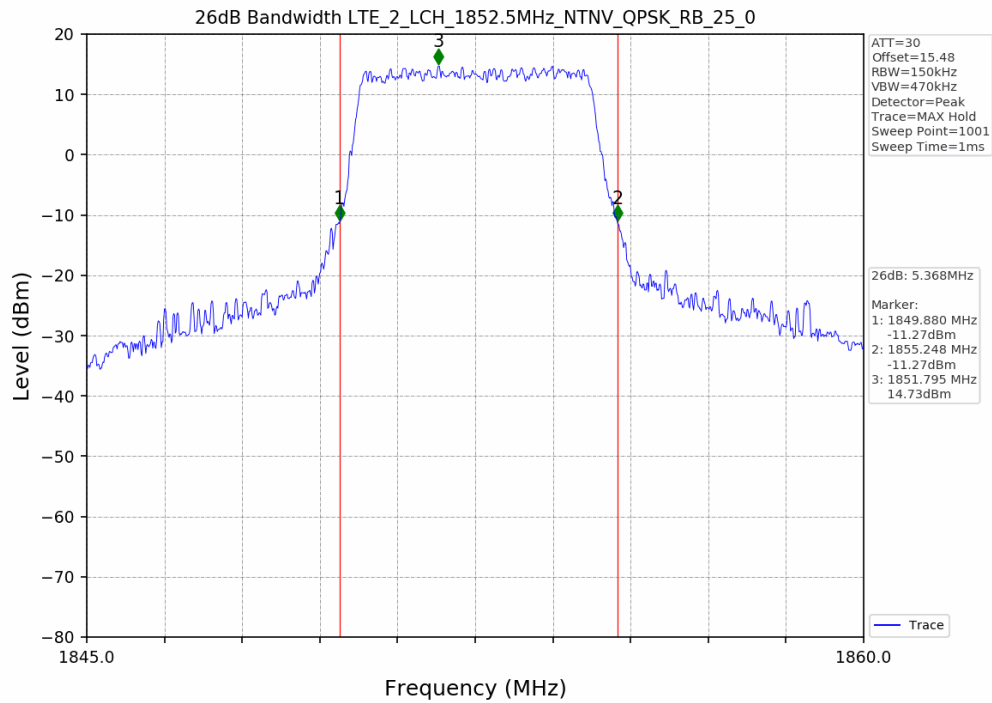
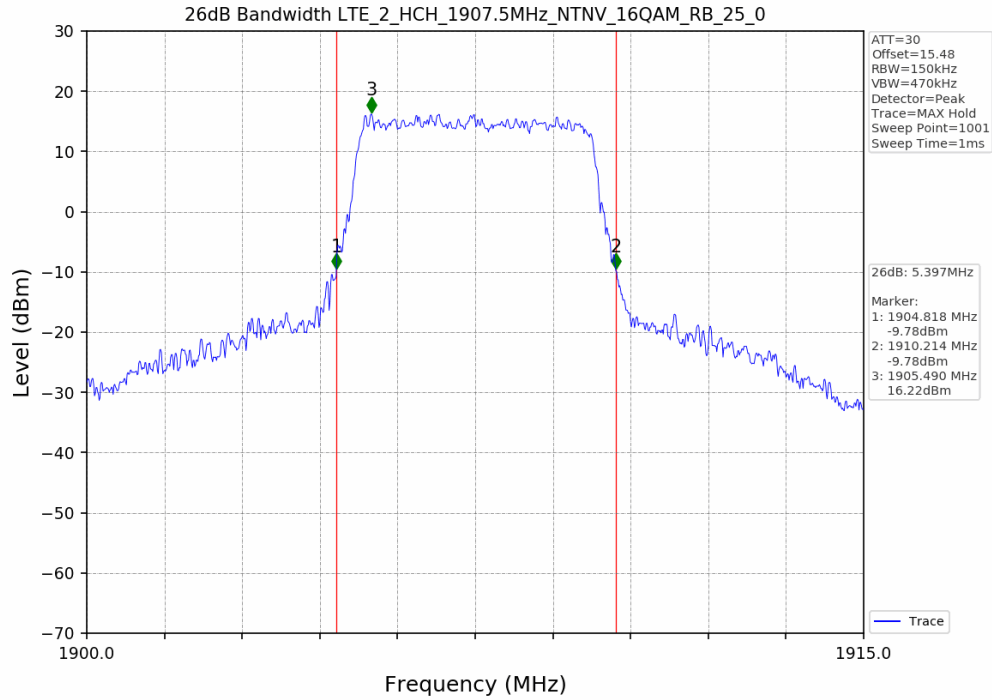


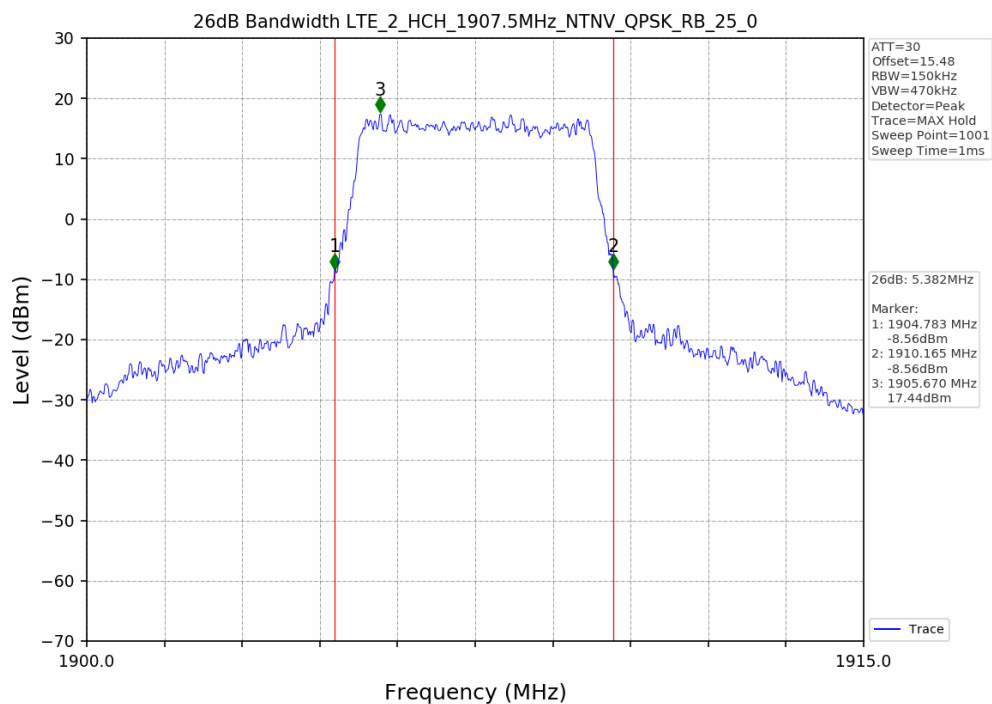
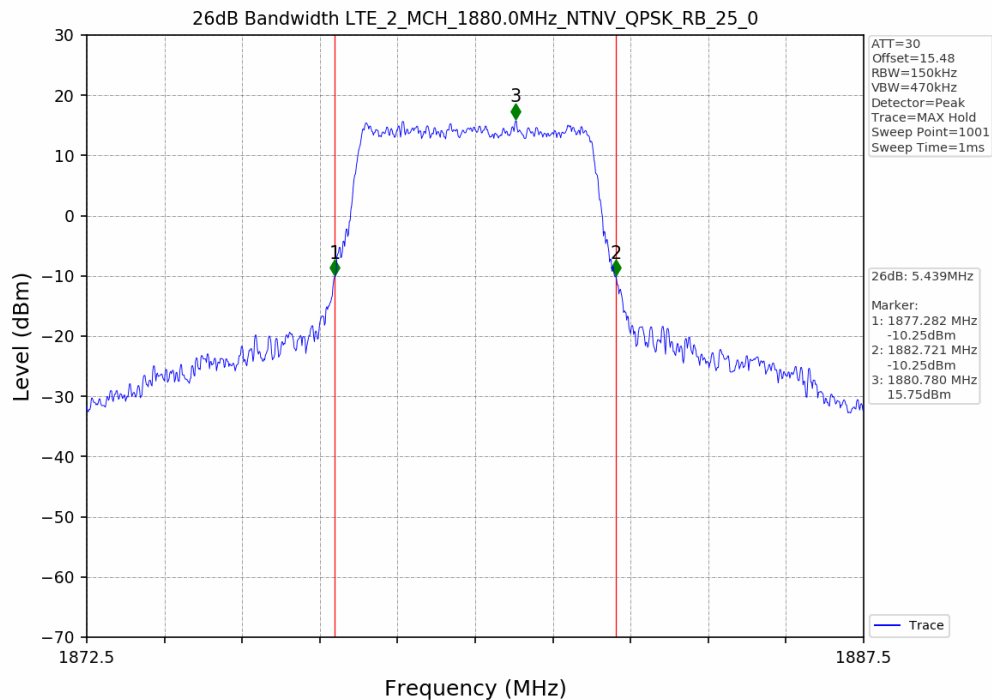
Test Band: 2 5MHz Bandwidth						
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit
	Size	Offset	LCH	MCH	HCH	

QPSK	25	0	5.368	5.439	5.382	N/A	PASS
16QAM	25	0	5.333	5.320	5.397	N/A	PASS

3.2 Test Graph



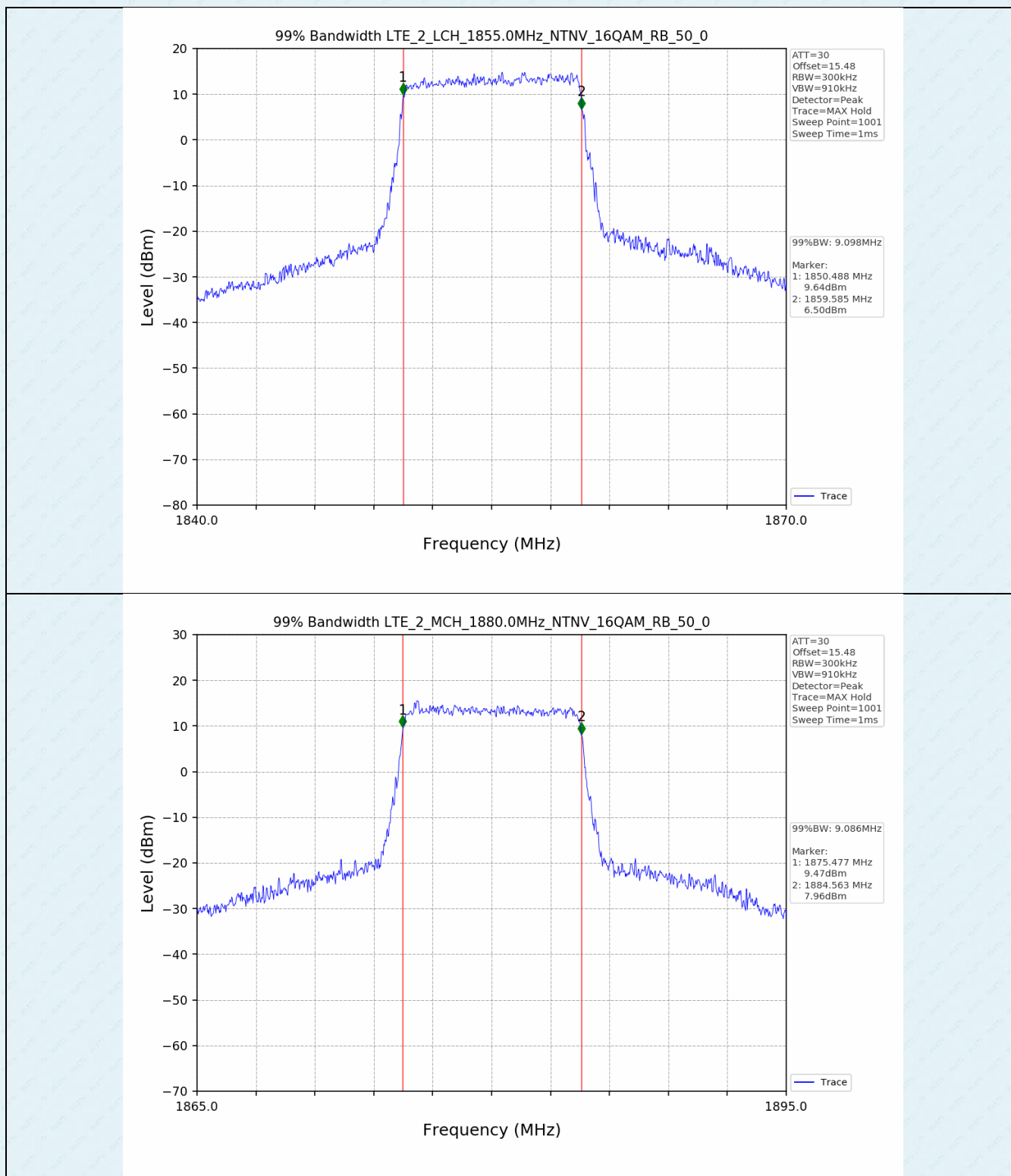


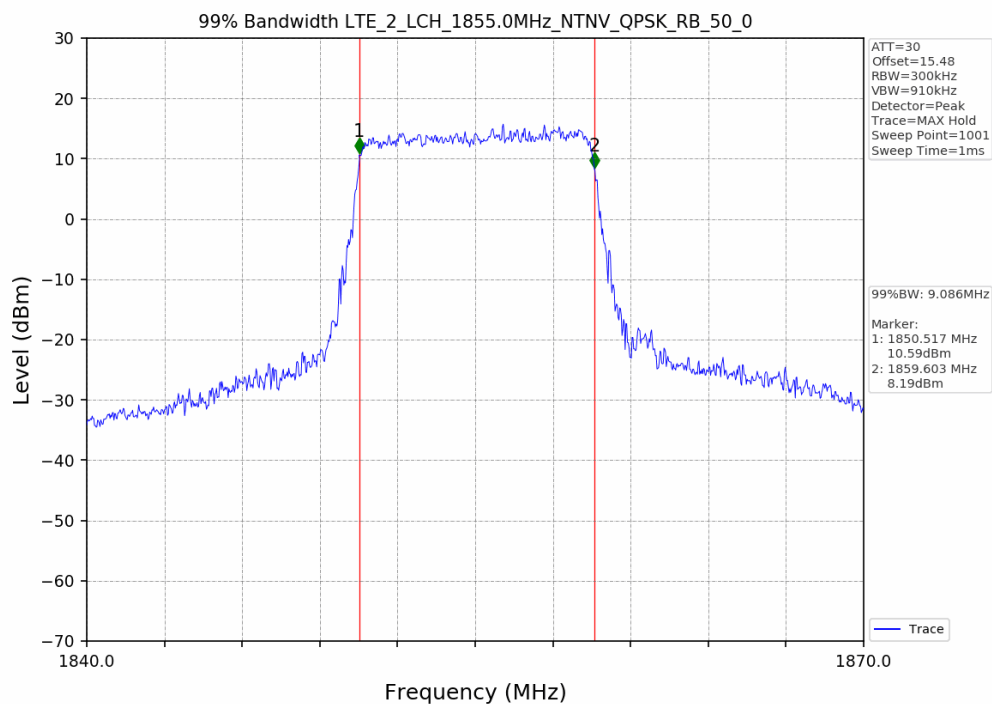
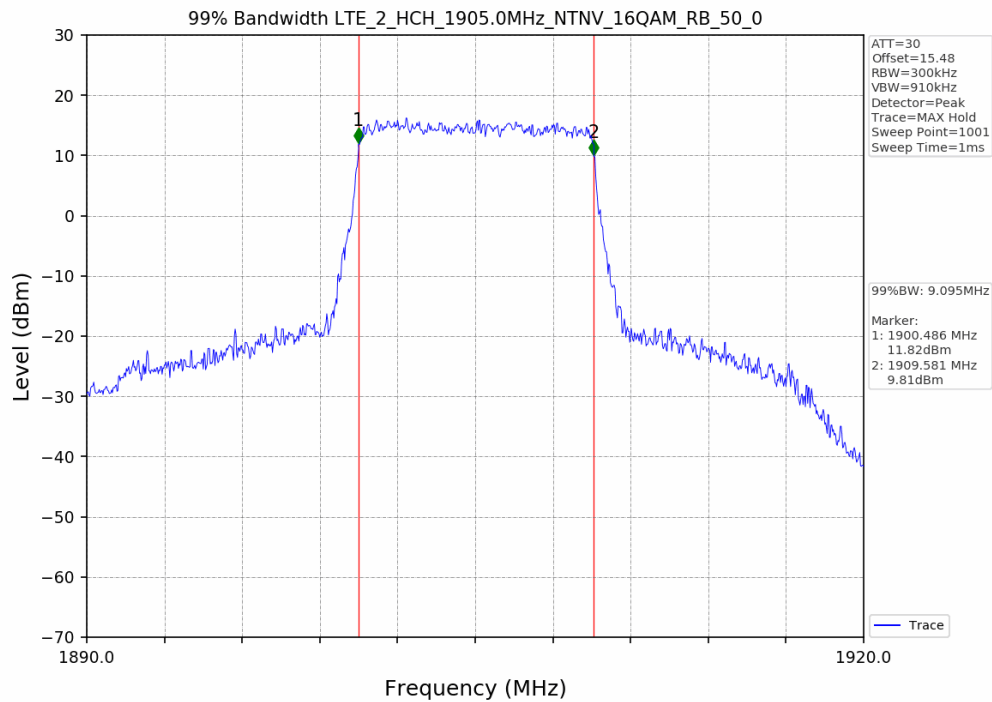


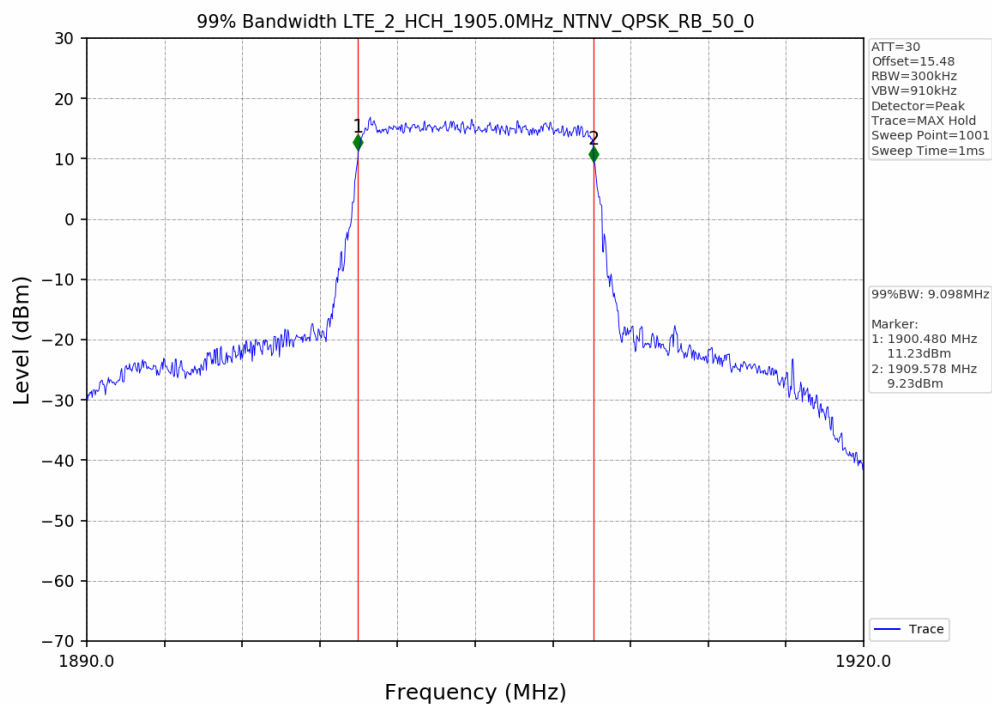
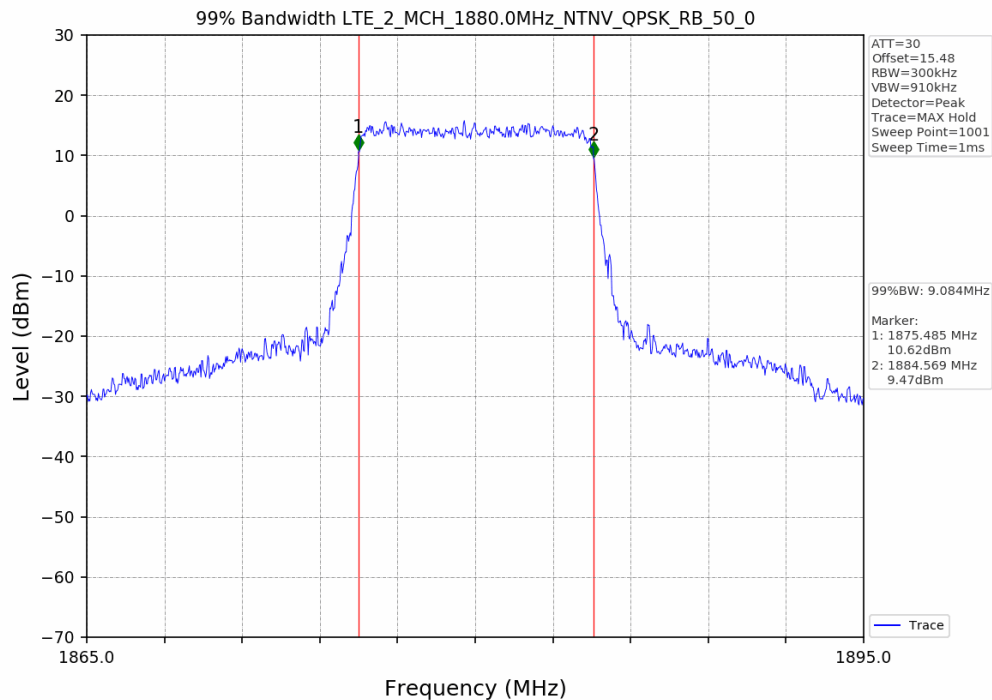
Test Band: 2 10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		

QPSK	50	0	9.086	9.084	9.098	N/A	PASS
16QAM	50	0	9.098	9.086	9.095	N/A	PASS

3.2 Test Graph



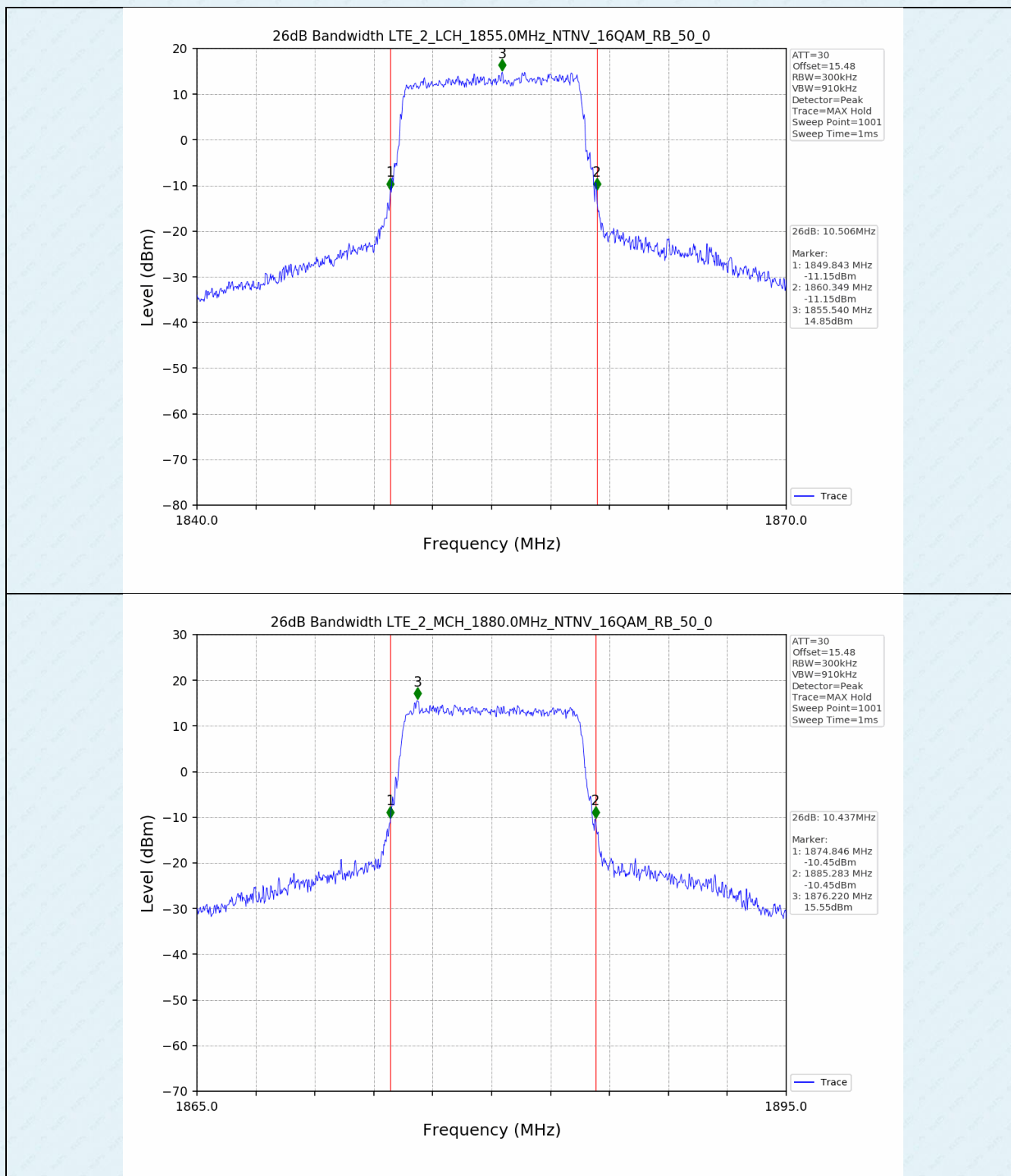


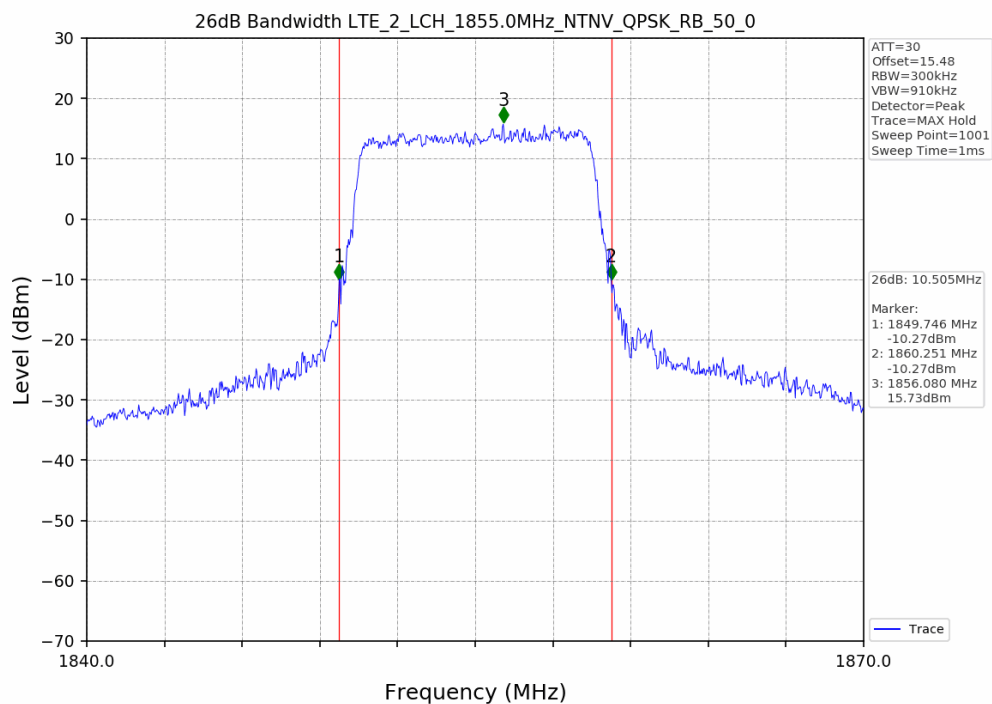
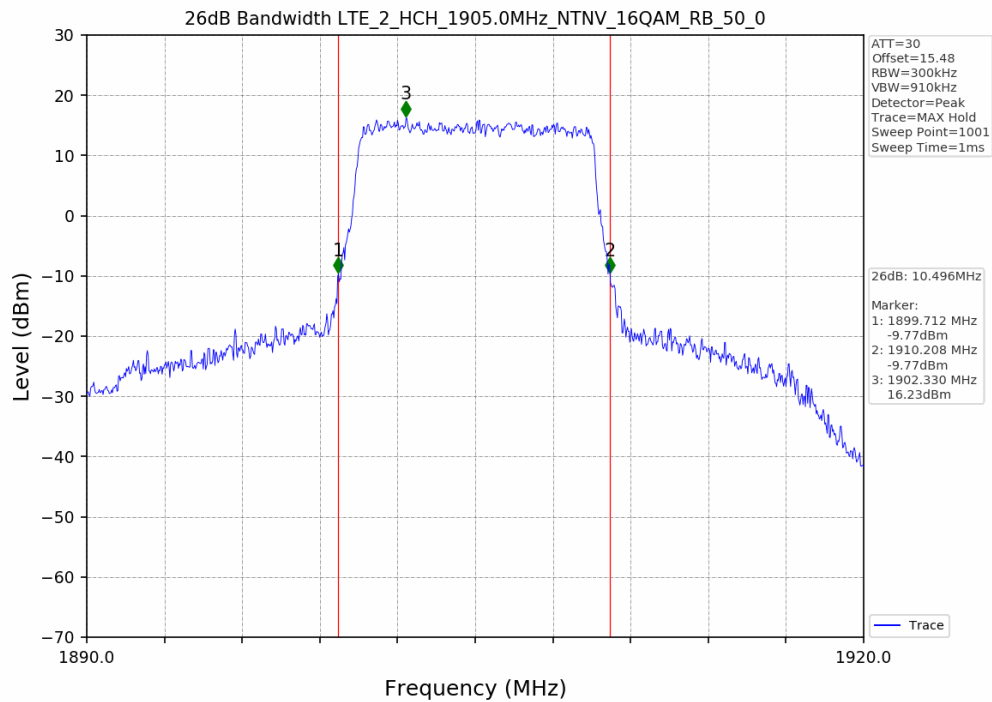


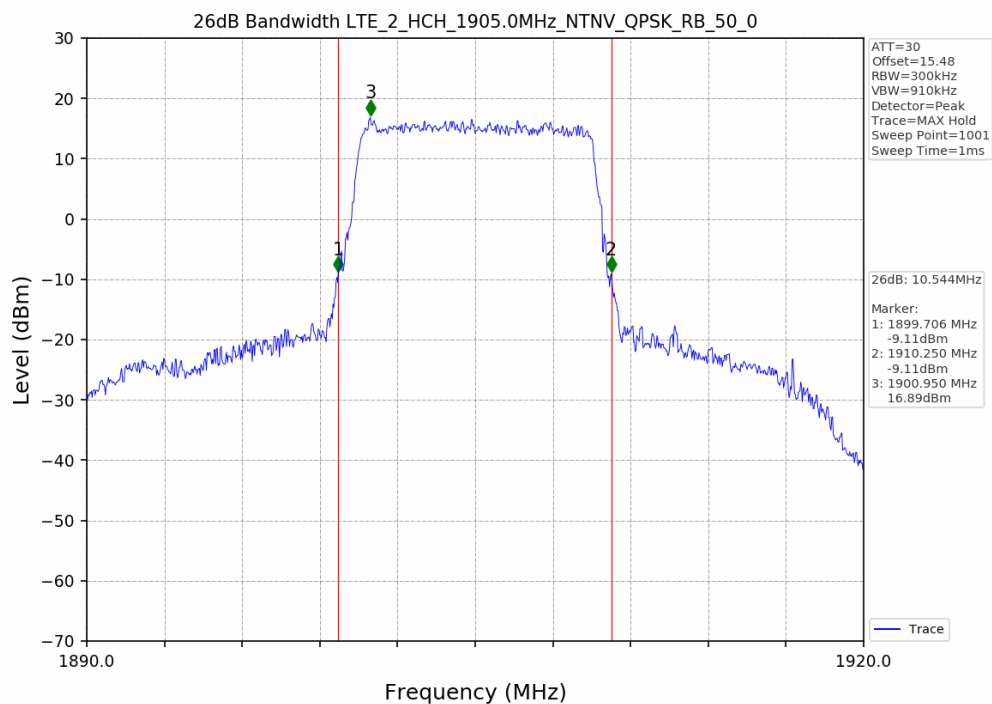
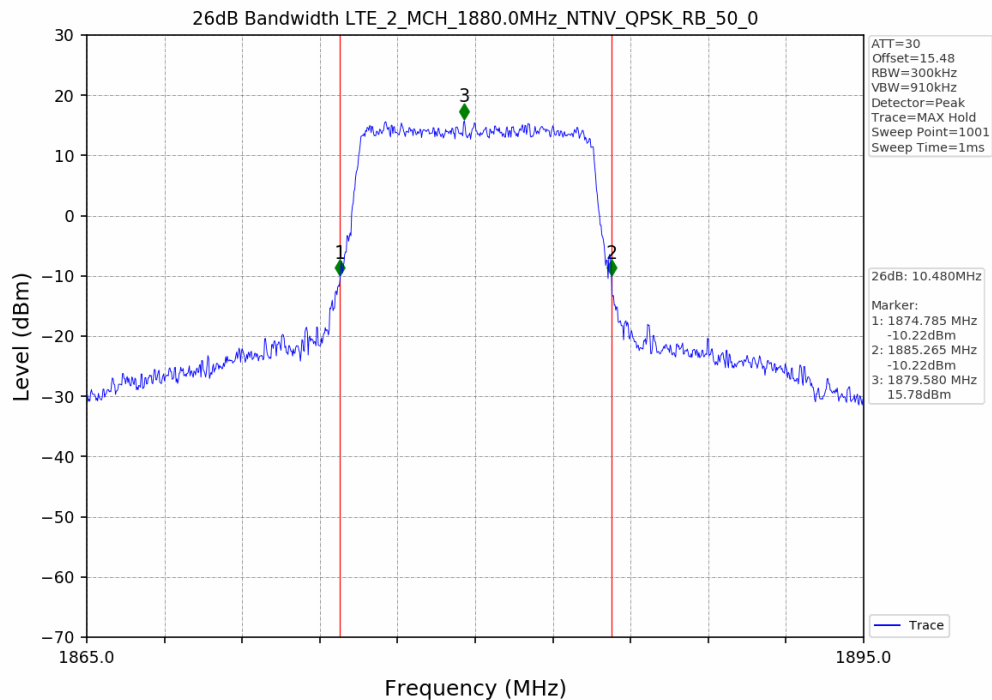
Test Band: 2 10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		

QPSK	50	0	10.505	10.480	10.544	N/A	PASS
16QAM	50	0	10.506	10.437	10.496	N/A	PASS

3.2 Test Graph



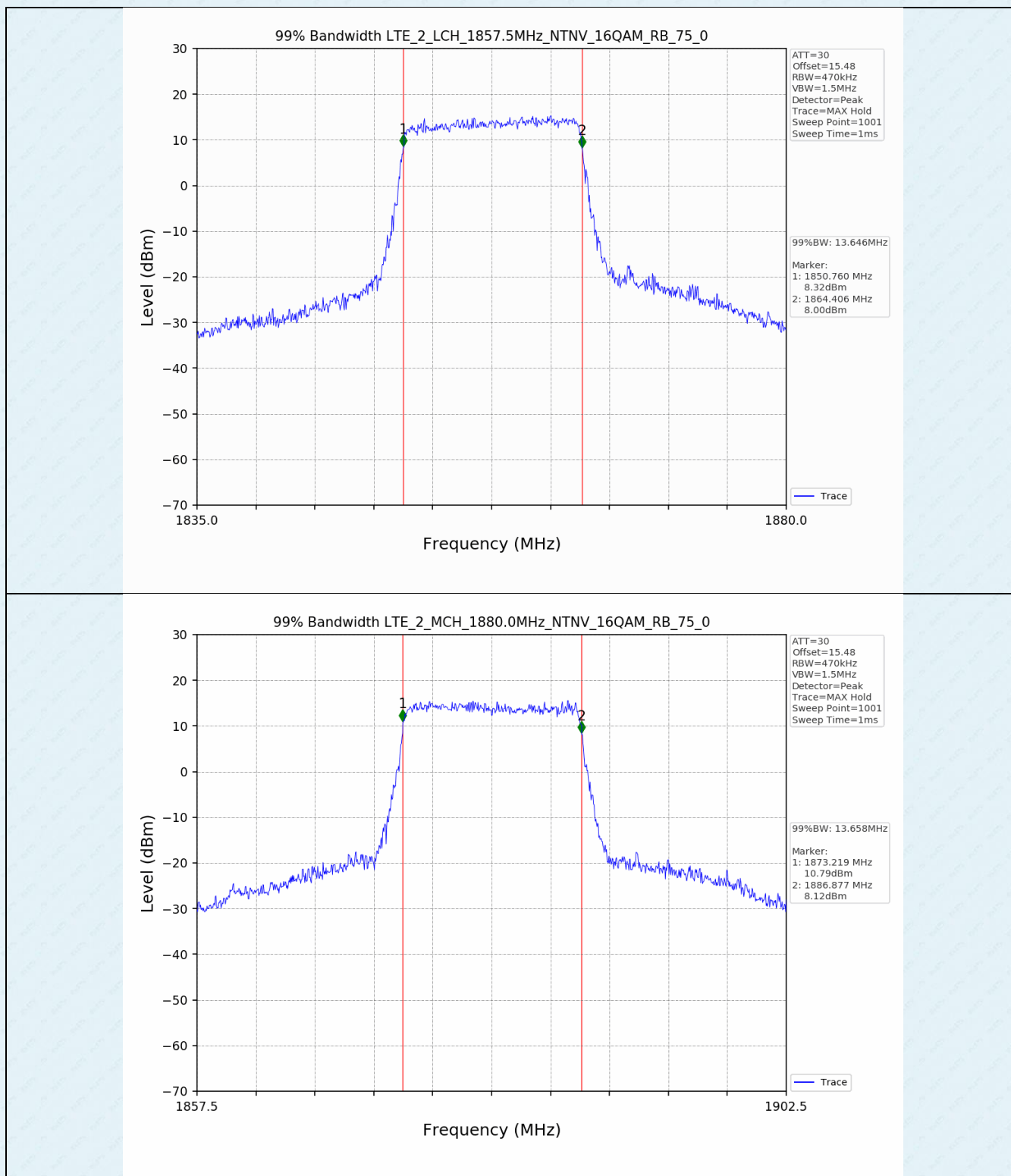


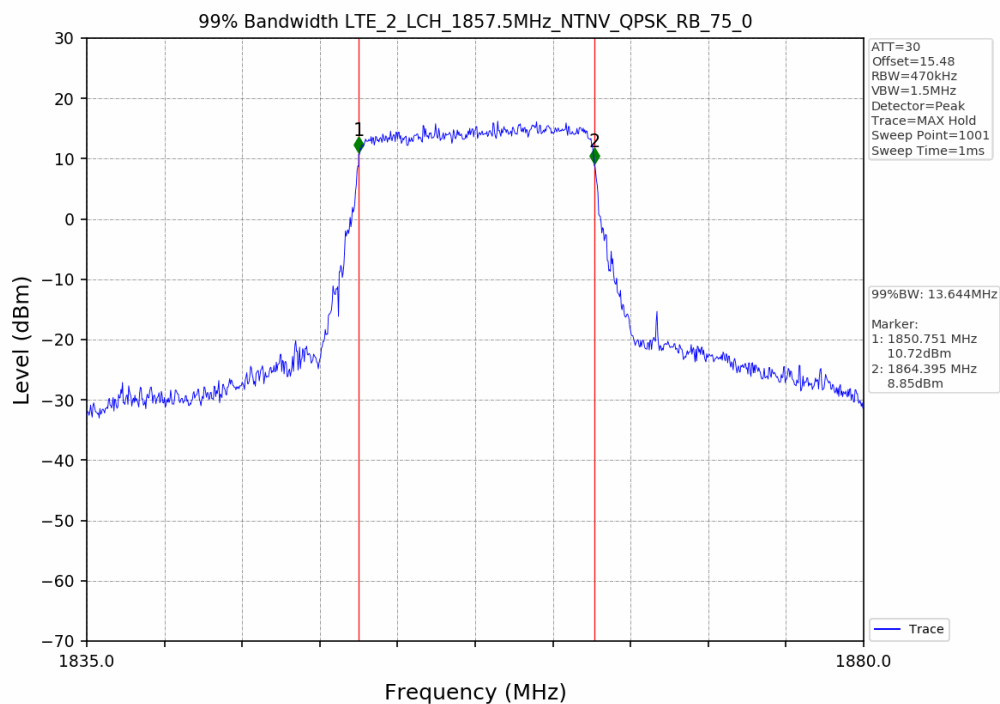
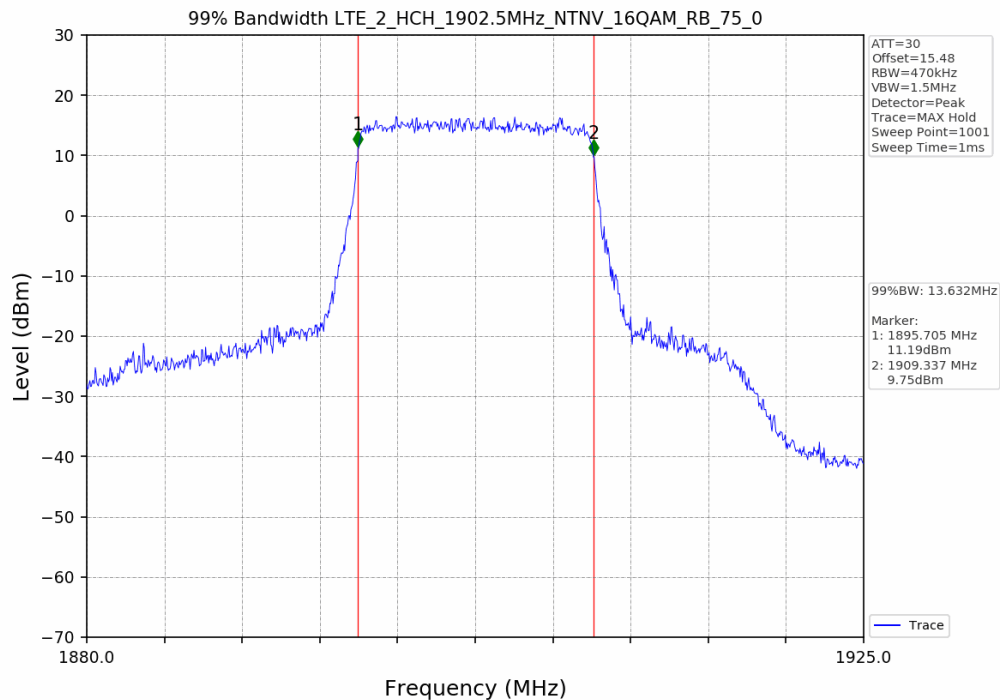


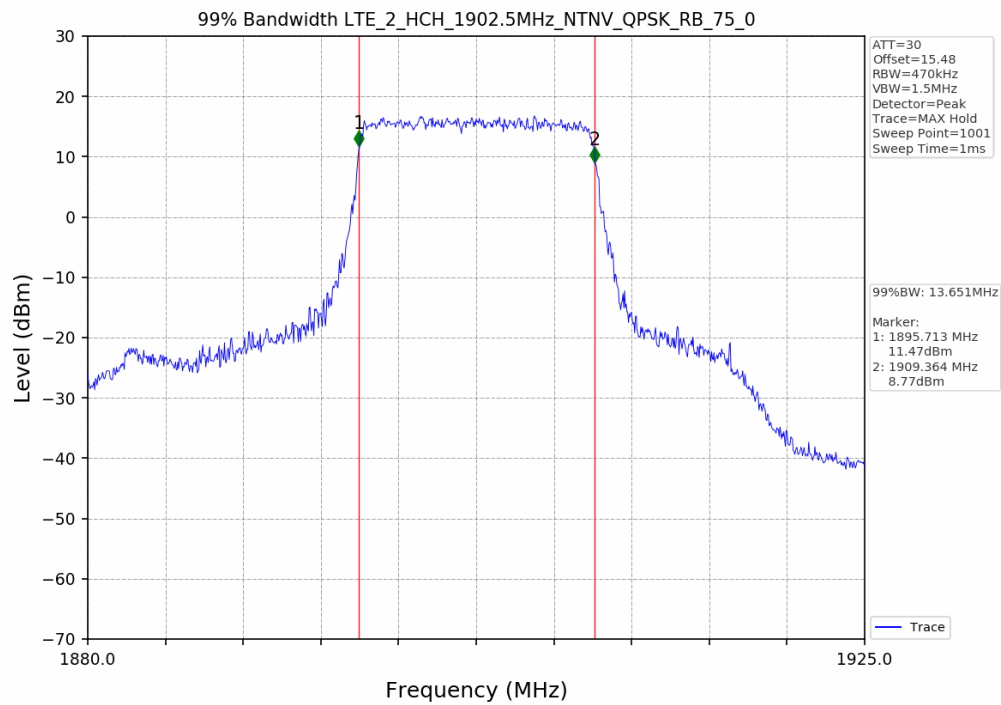
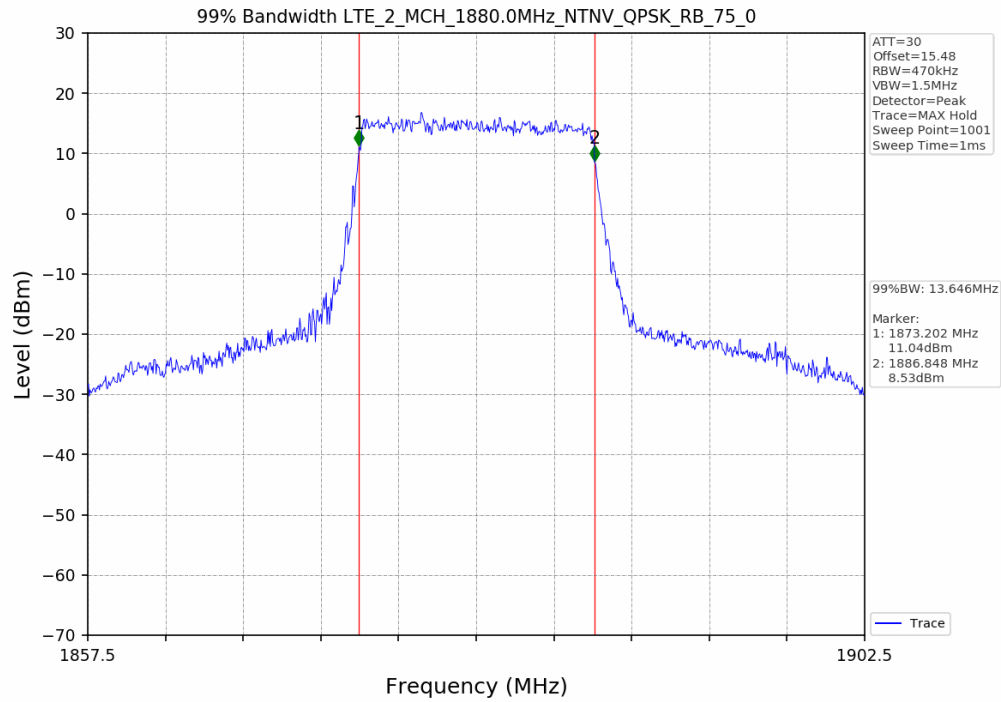
Test Band: 2 15MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		

QPSK	75	0	13.644	13.646	13.651	N/A	PASS
16QAM	75	0	13.646	13.658	13.632	N/A	PASS

3.2 Test Graph



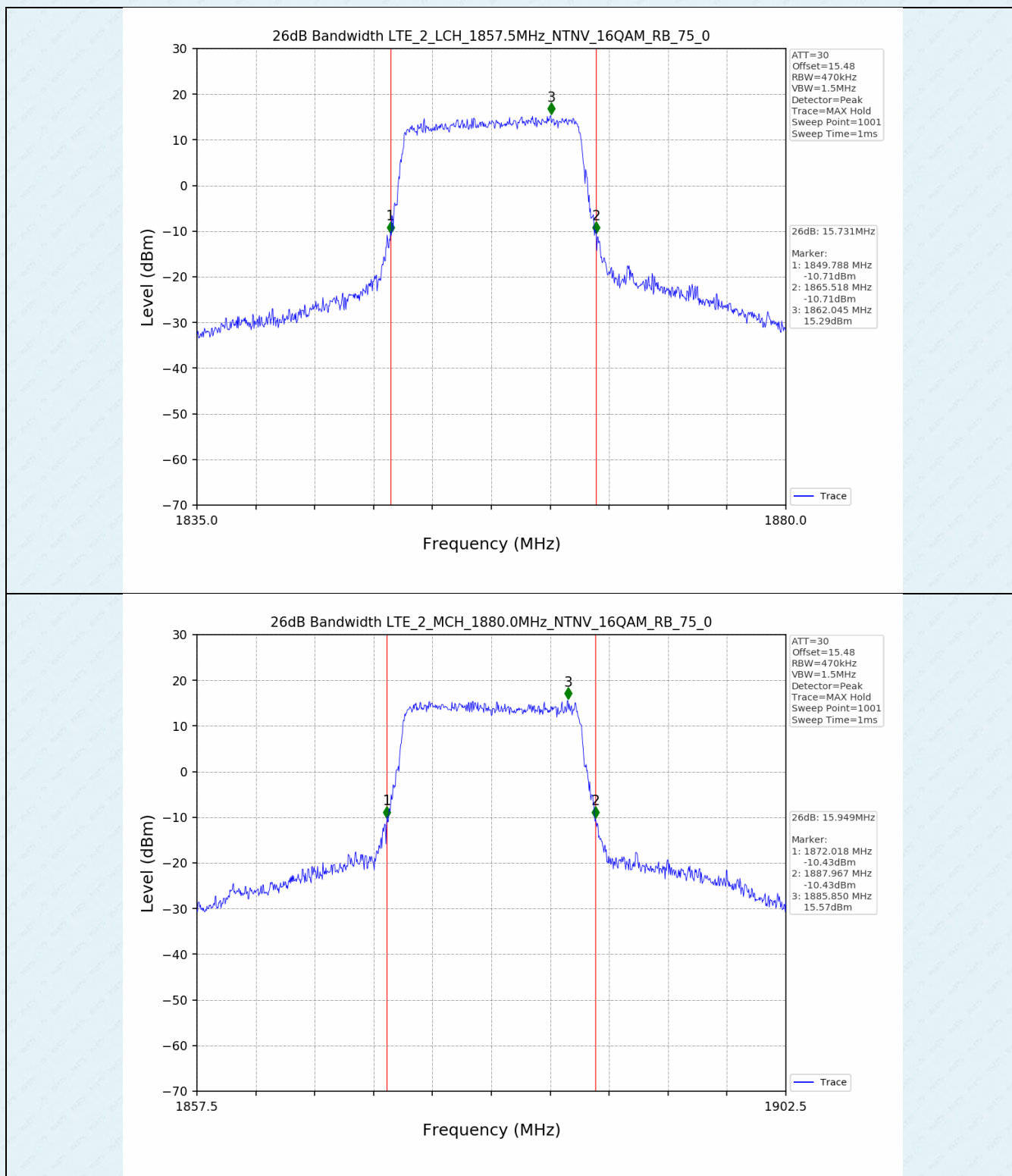


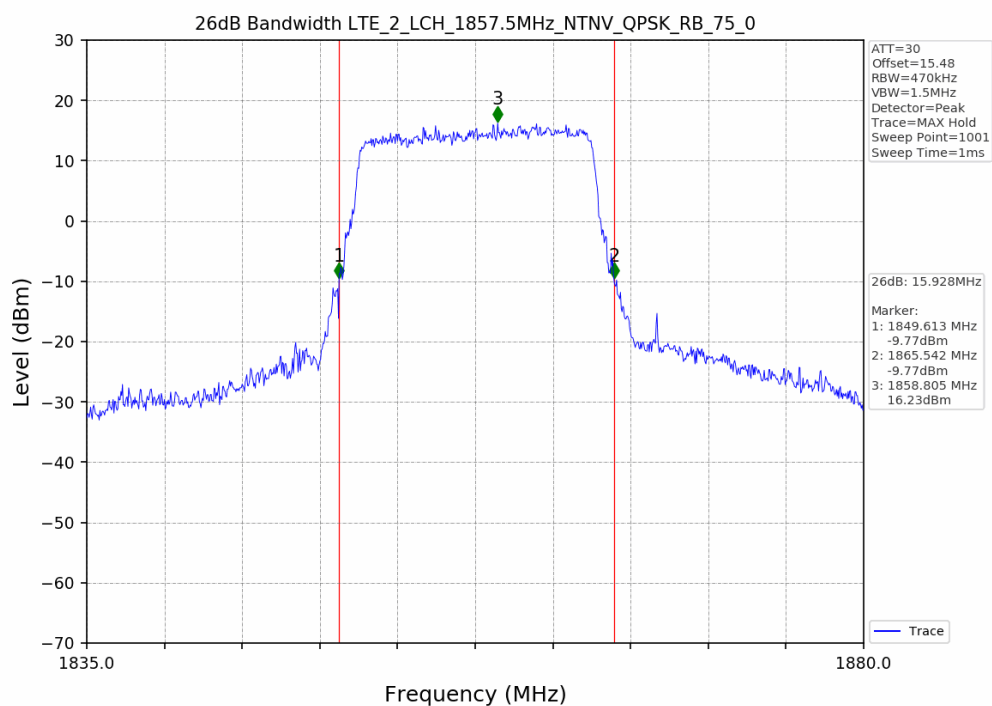
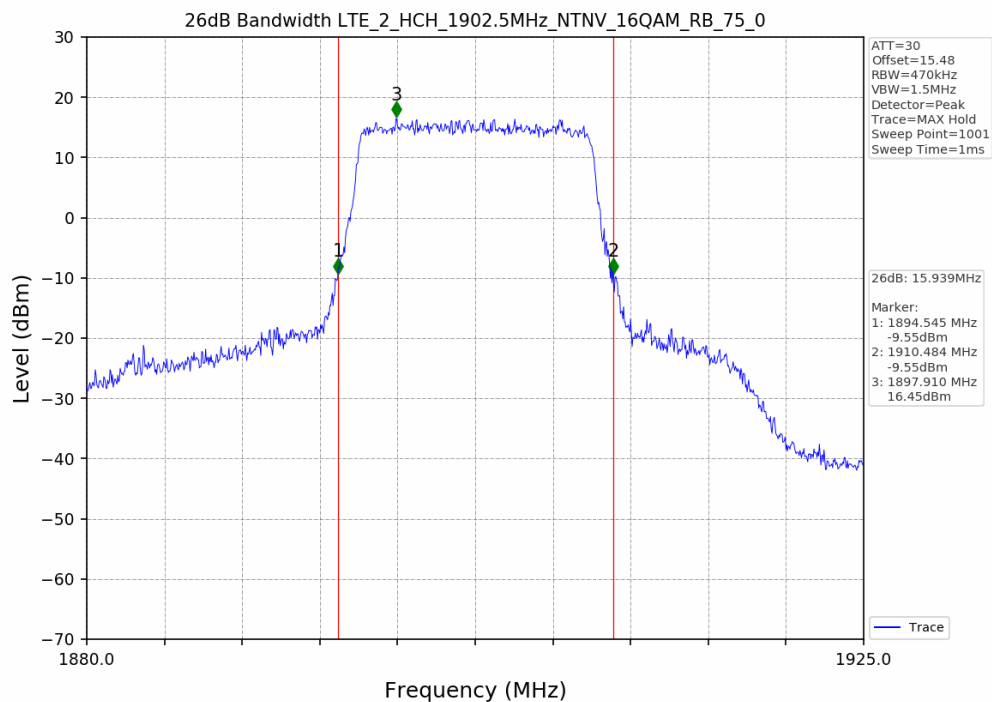


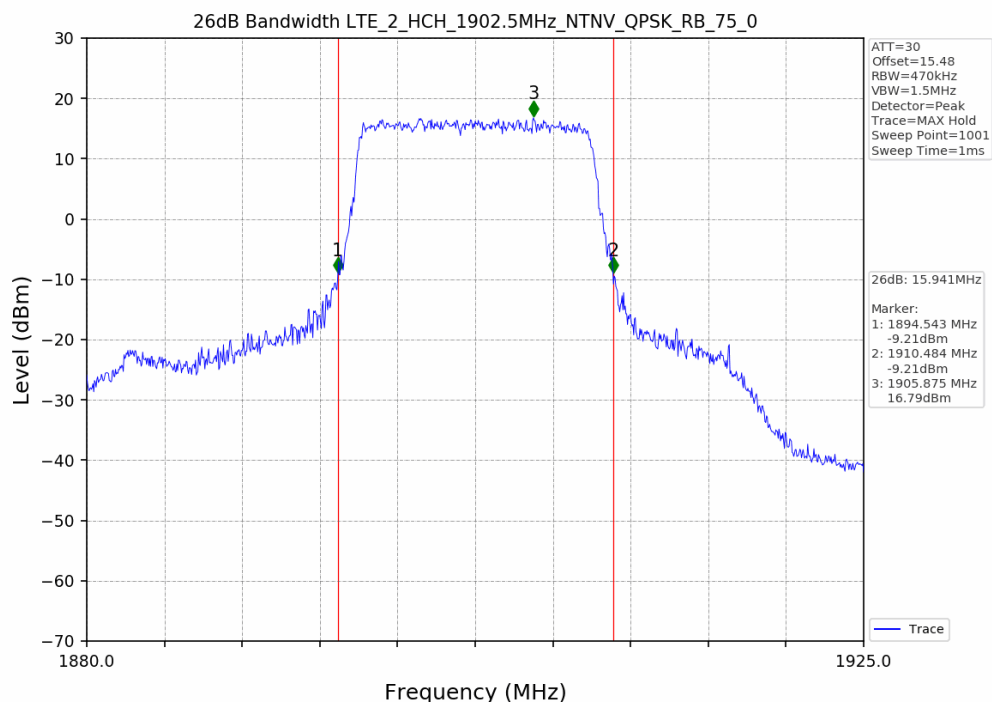
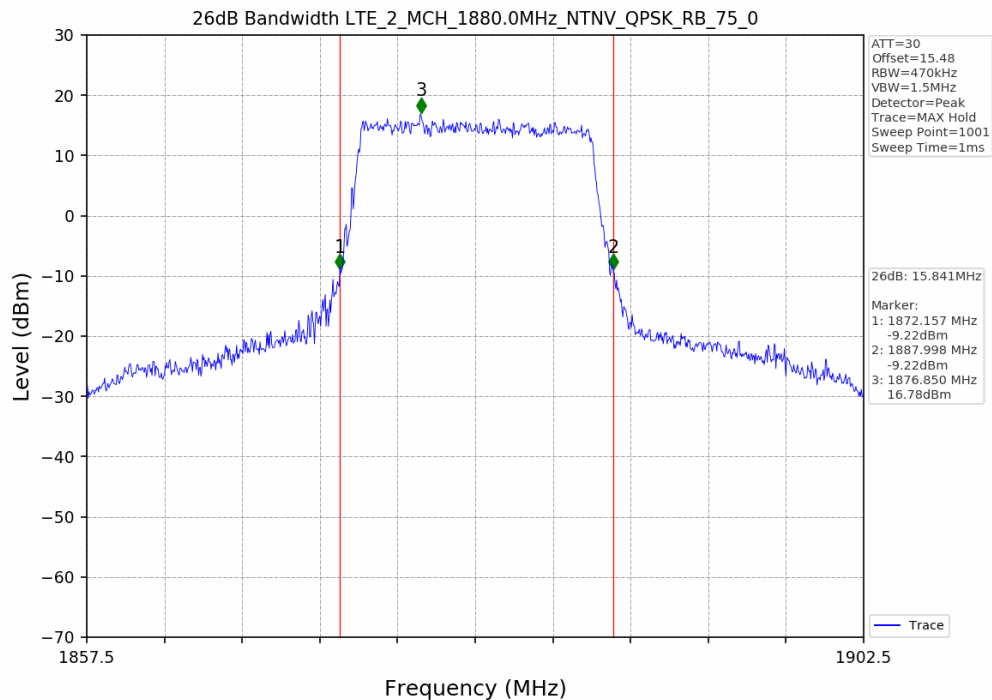
Test Band: 2 15MHz Bandwidth						
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit
	Size	Offset	LCH	MCH	HCH	

QPSK	75	0	15.928	15.841	15.941	N/A	PASS
16QAM	75	0	15.731	15.949	15.939	N/A	PASS

3.2 Test Graph



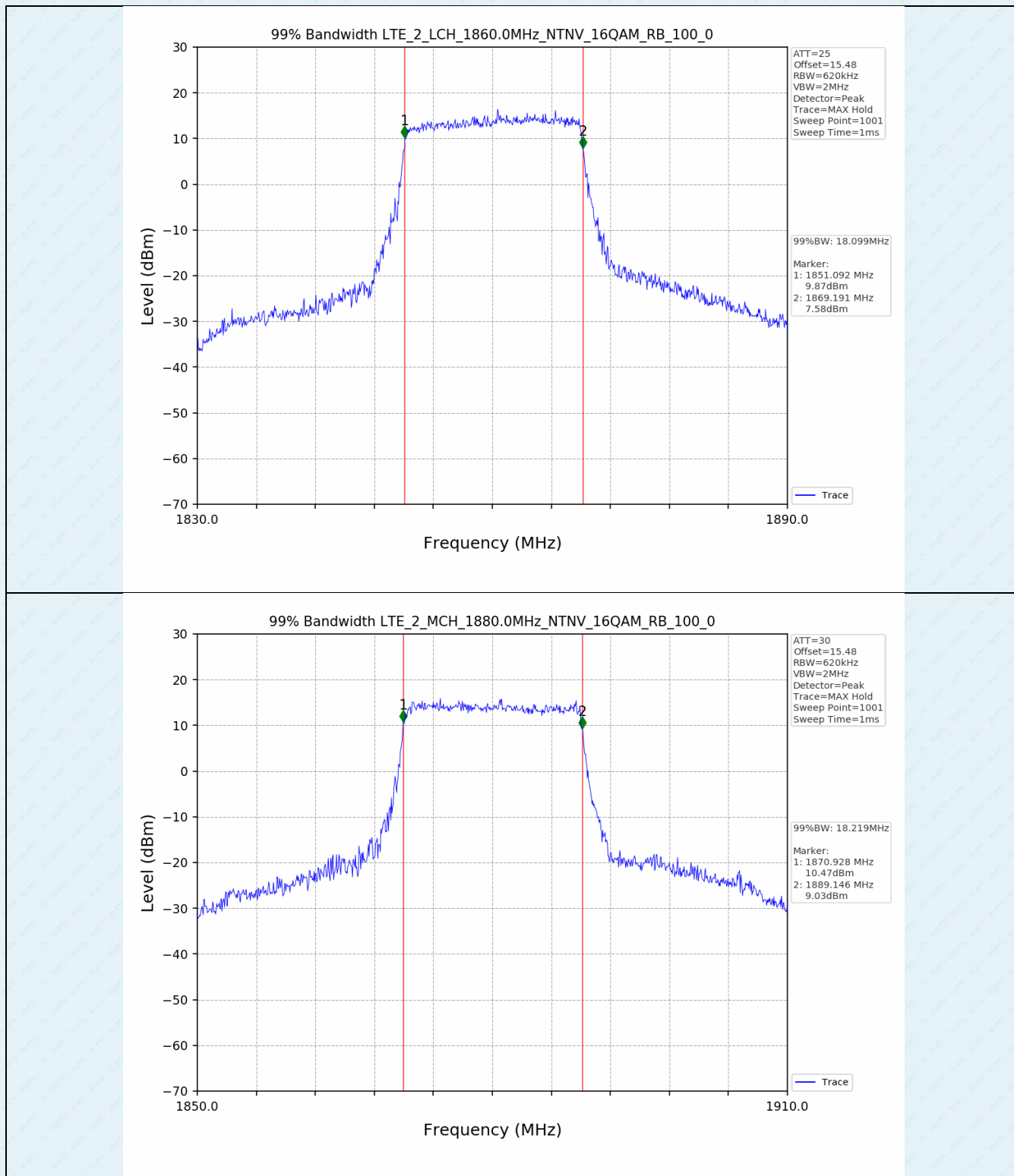


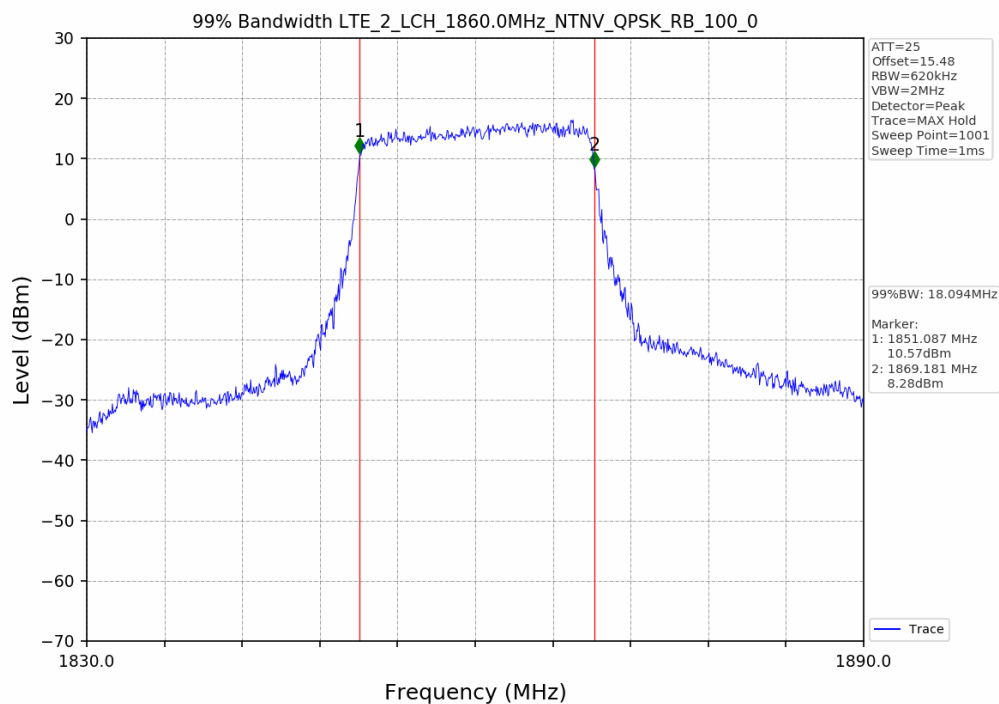
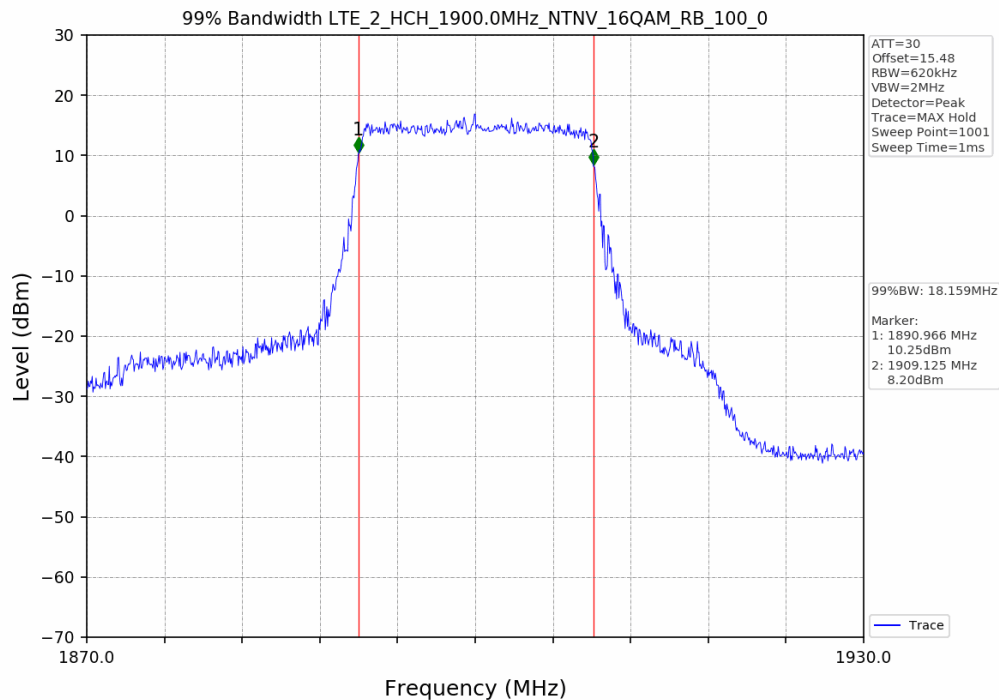


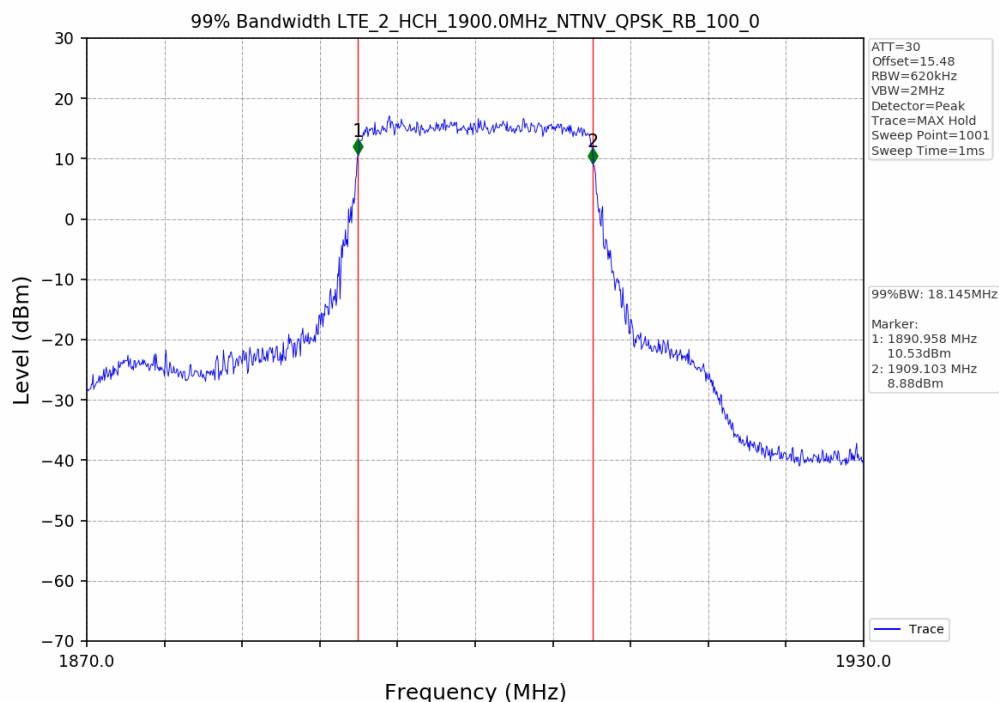
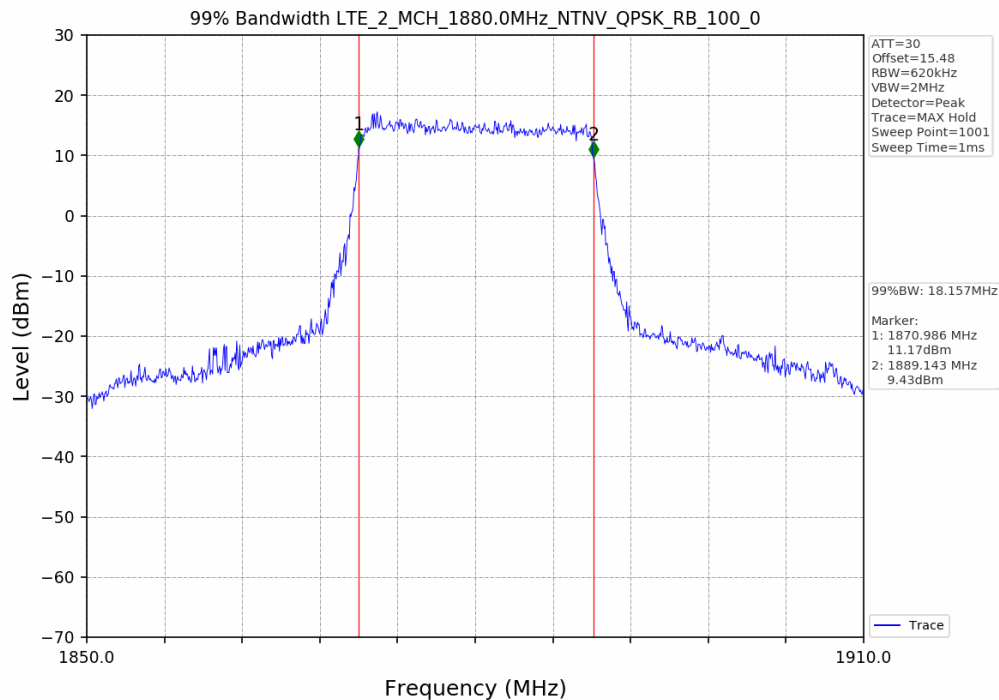
Test Band: 2 20MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		

QPSK	100	0	18.094	18.157	18.145	N/A	PASS
16QAM	100	0	18.099	18.219	18.159	N/A	PASS

3.2 Test Graph



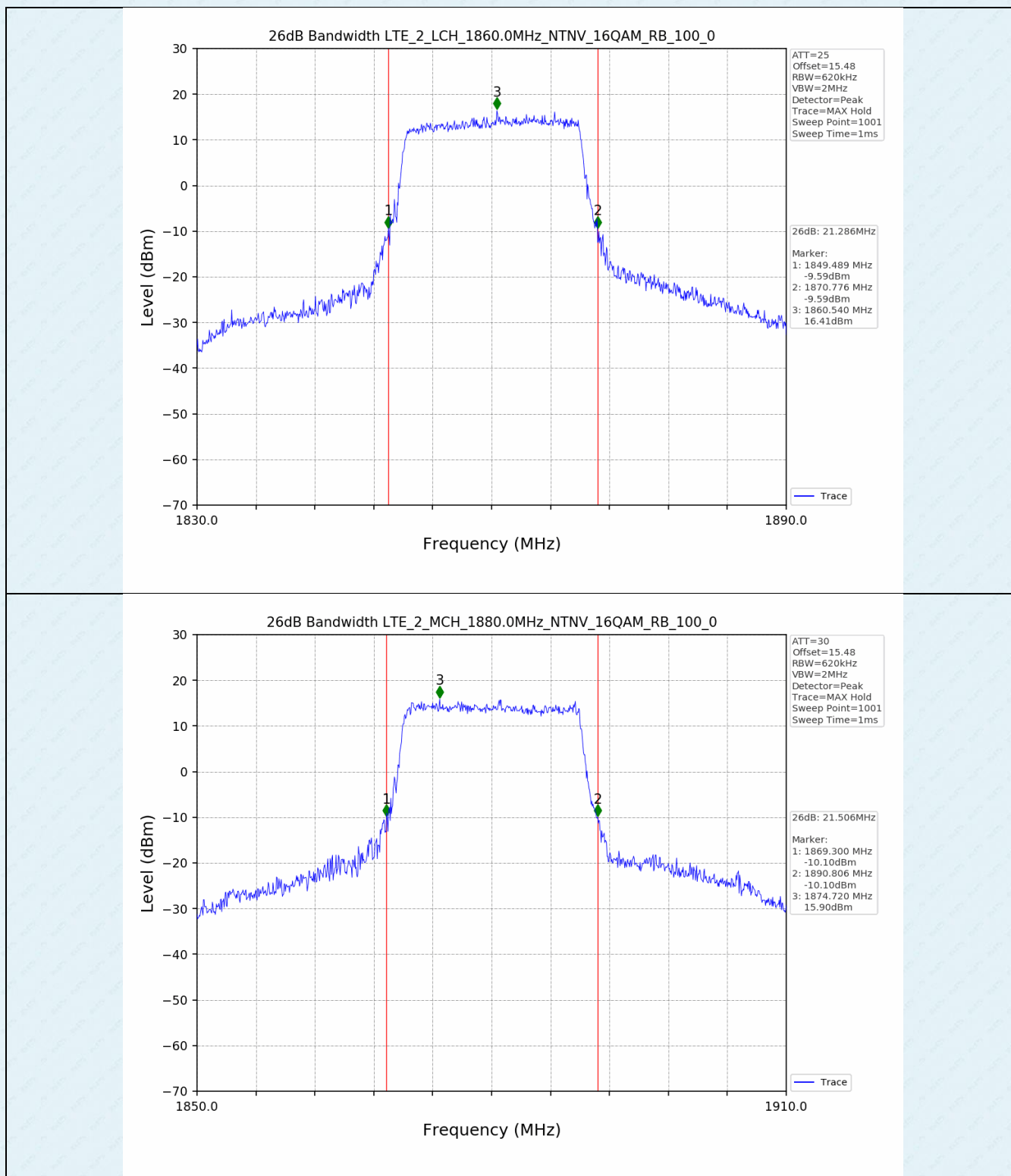


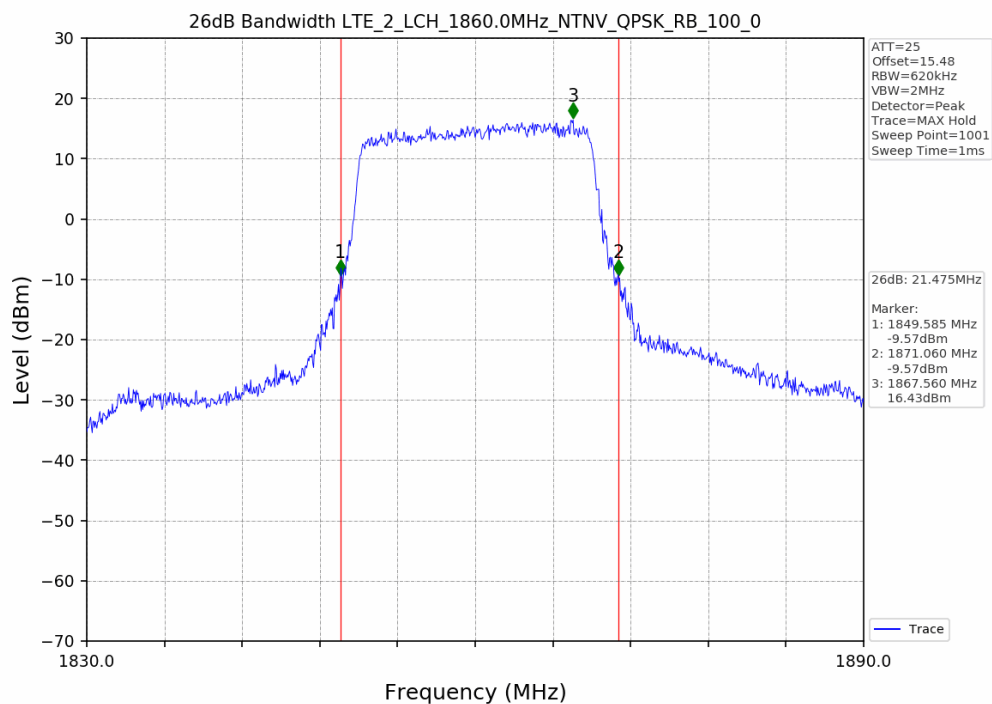
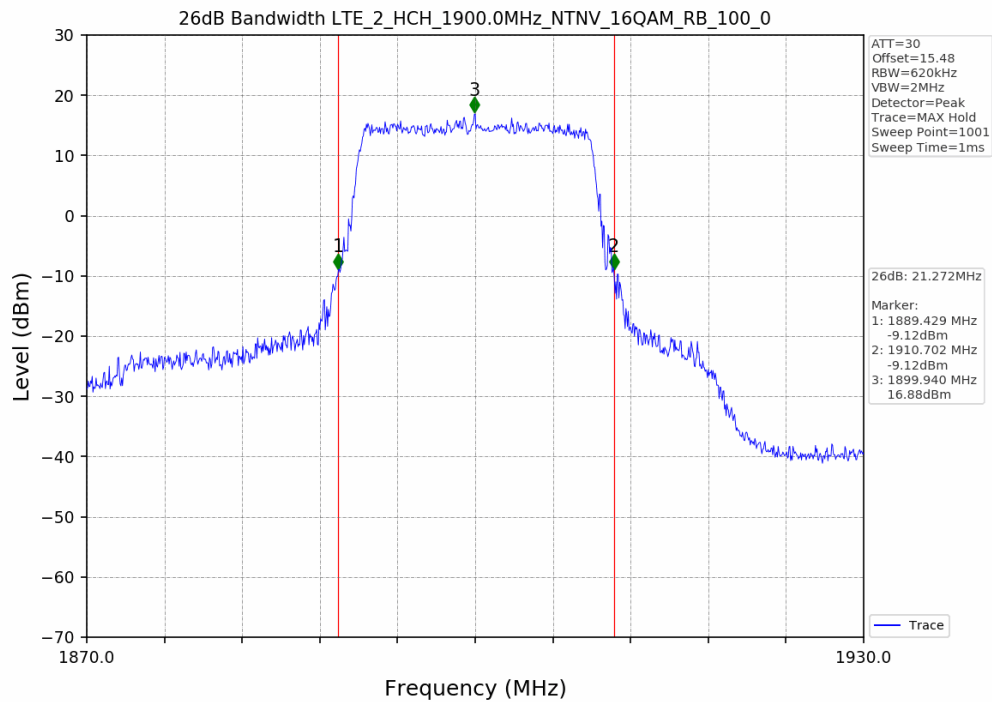


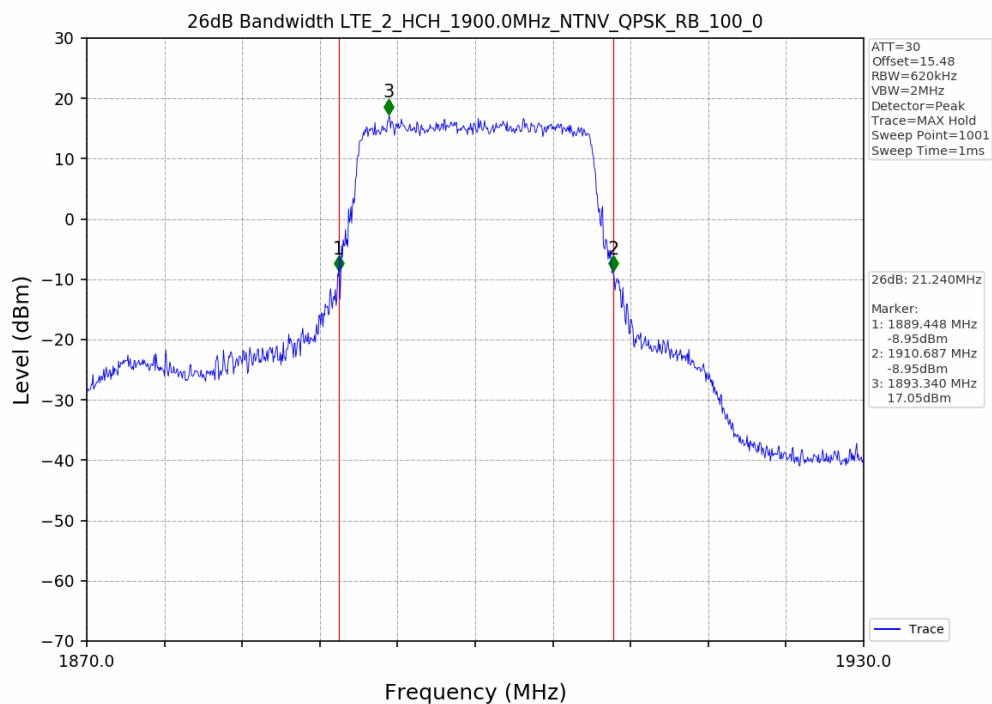
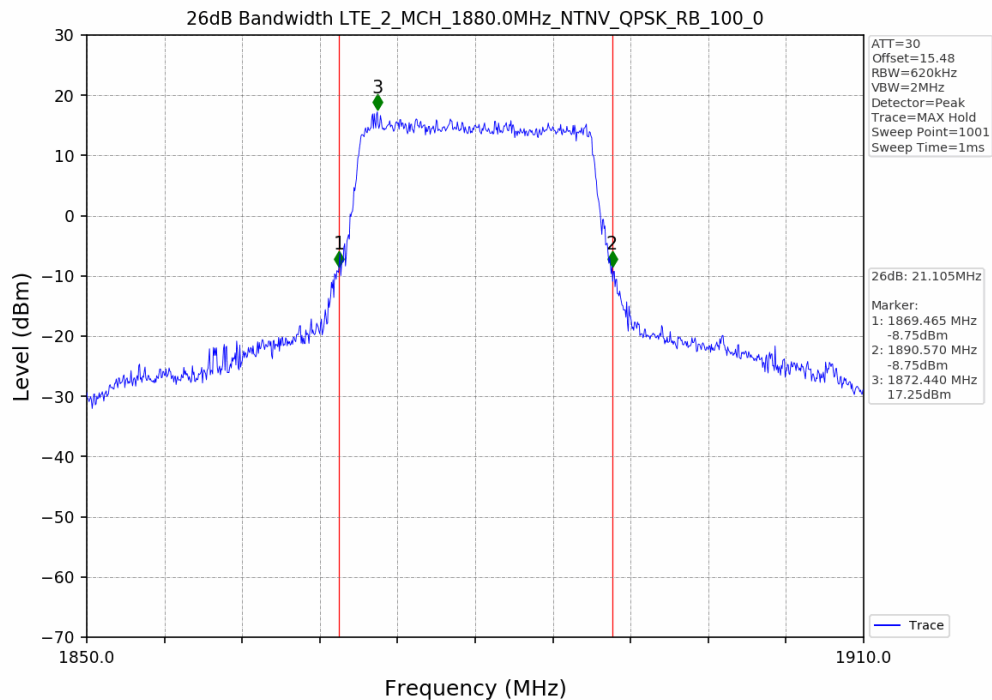
Test Band: 2 20MHz Bandwidth						
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit
	Size	Offset	LCH	MCH	HCH	

QPSK	100	0	21.475	21.105	21.240	N/A	PASS
16QAM	100	0	21.286	21.506	21.272	N/A	PASS

3.2 Test Graph





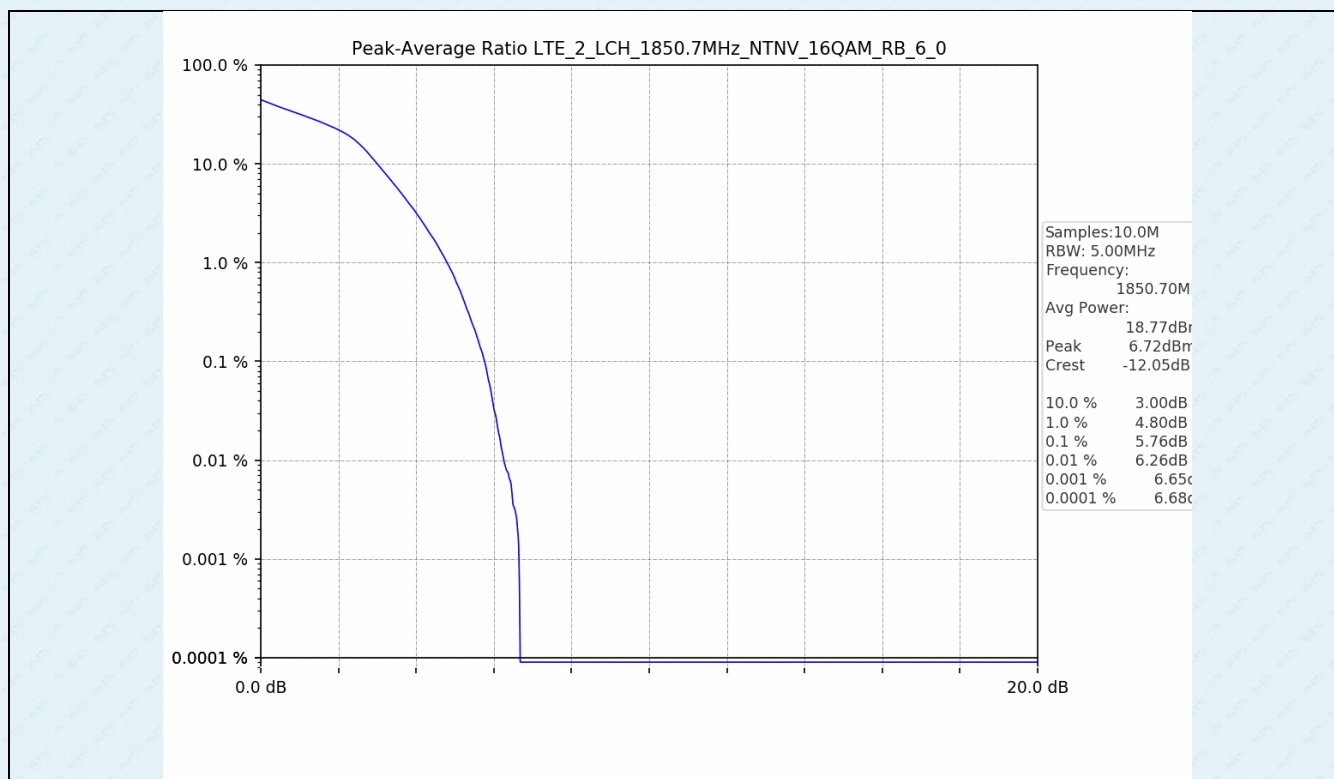


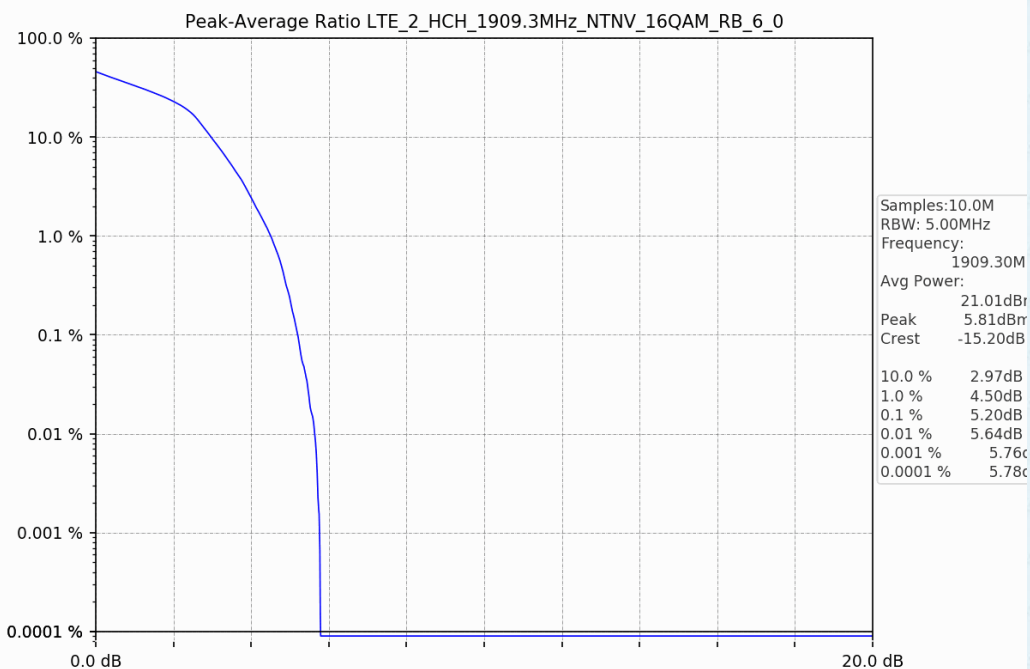
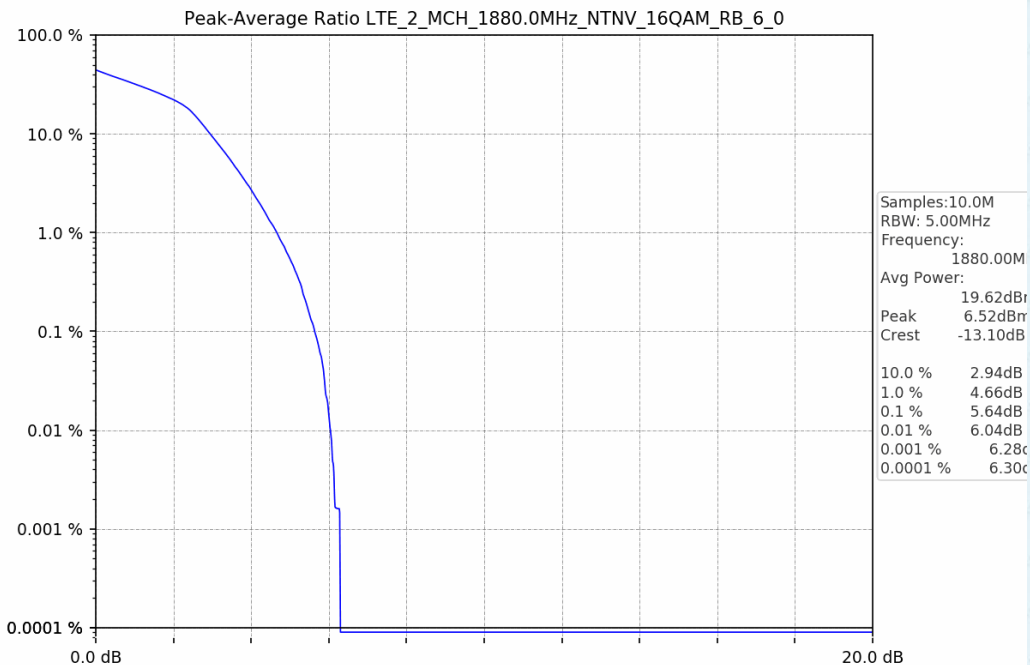
4. Peak-Average Ratio

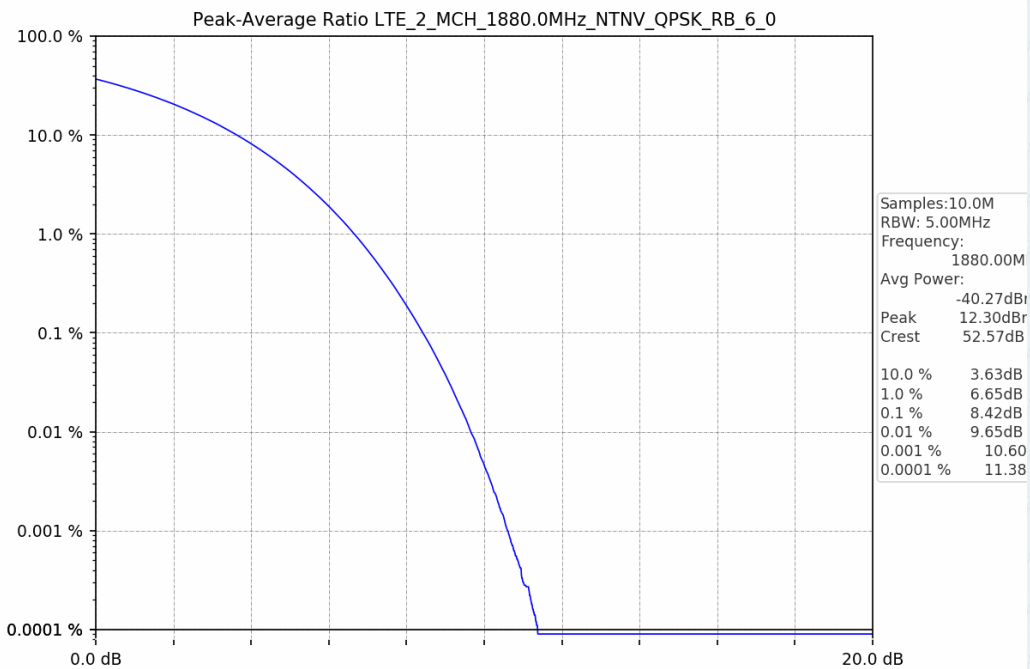
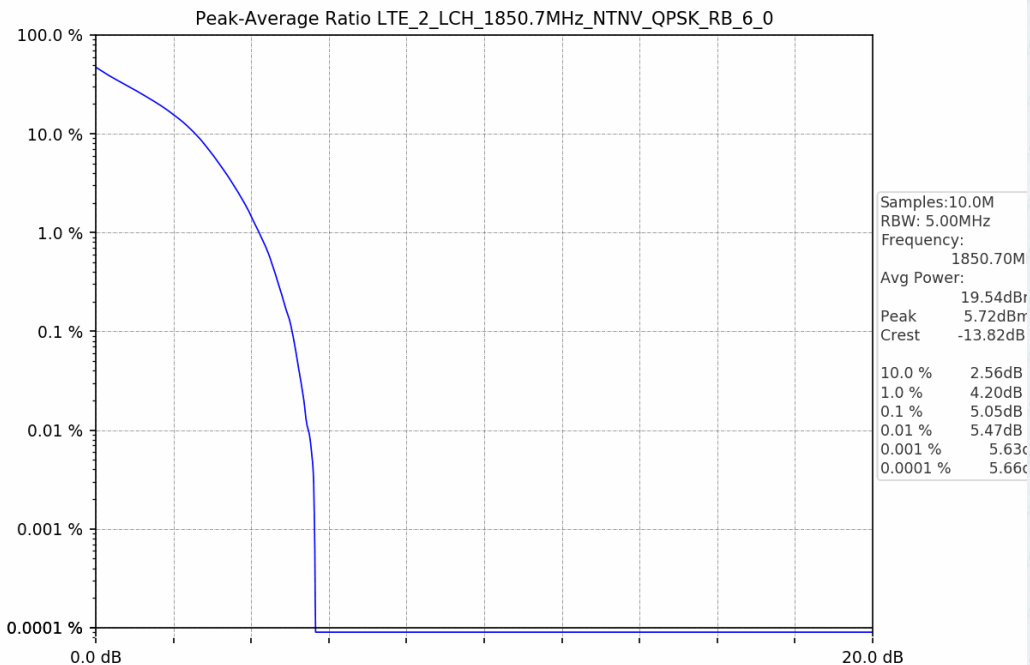
4.1 Test Result

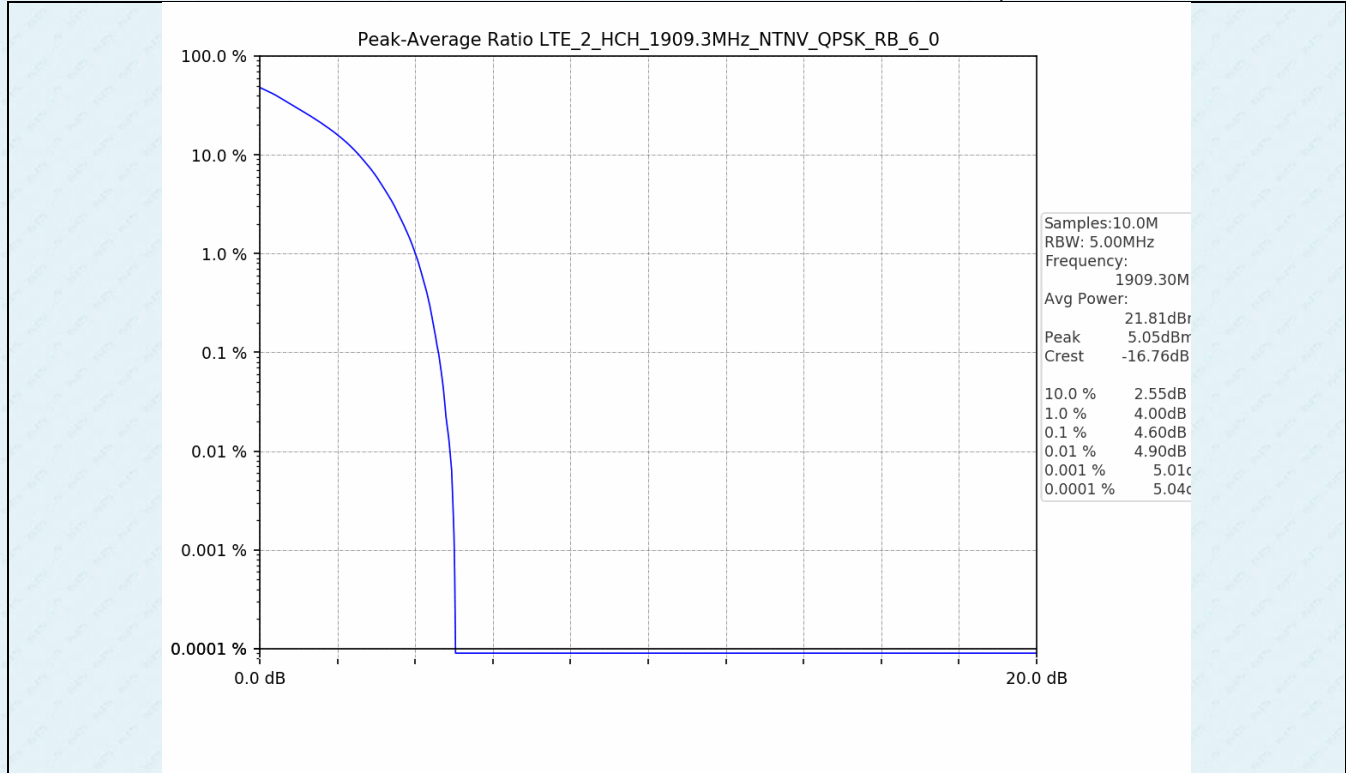
Test Band: 2_1.4MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	5.05	8.42	4.60	13	PASS
16QAM	6	0	5.76	5.64	5.20	13	PASS

4.2 Test Graph



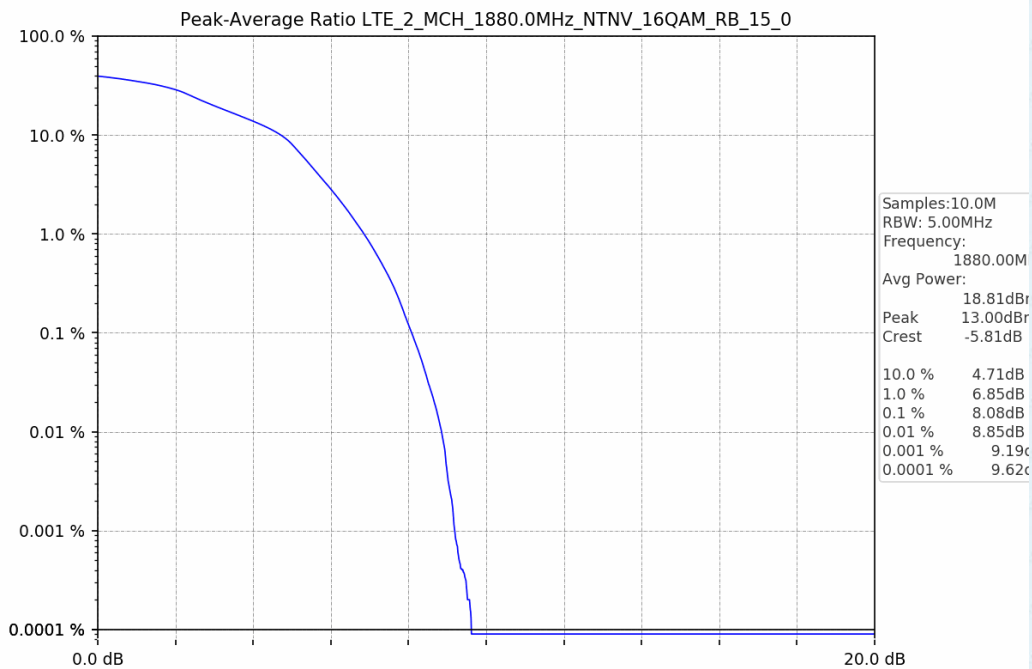
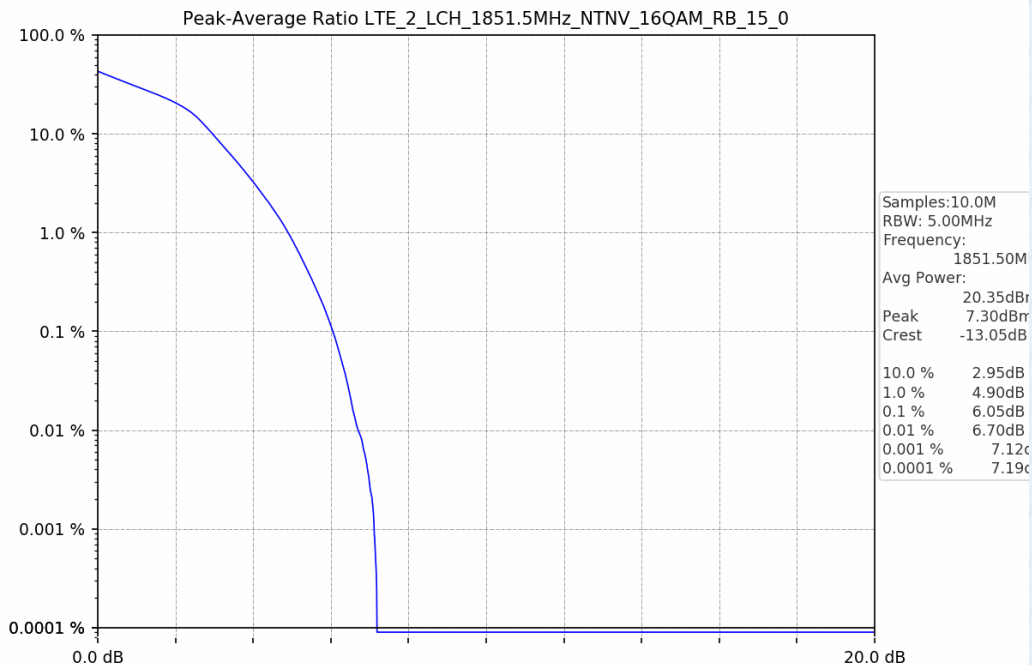


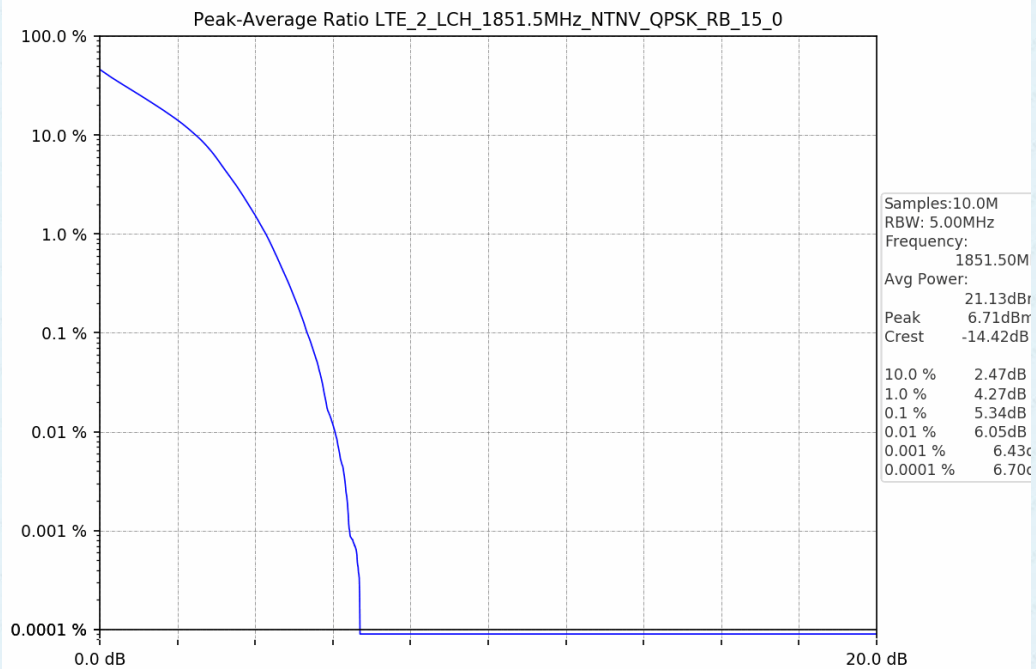
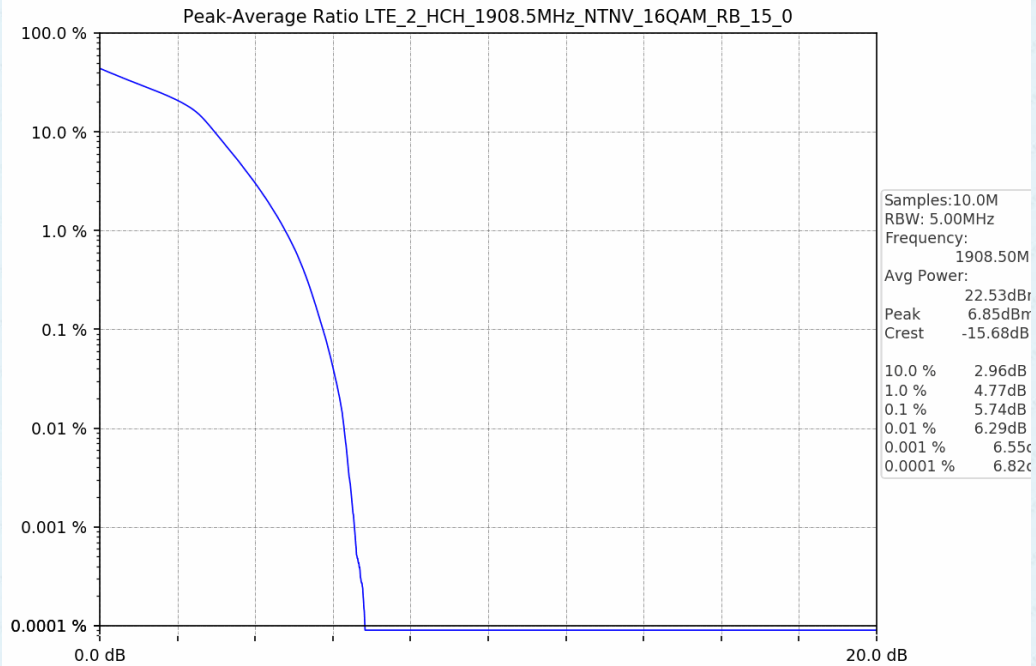


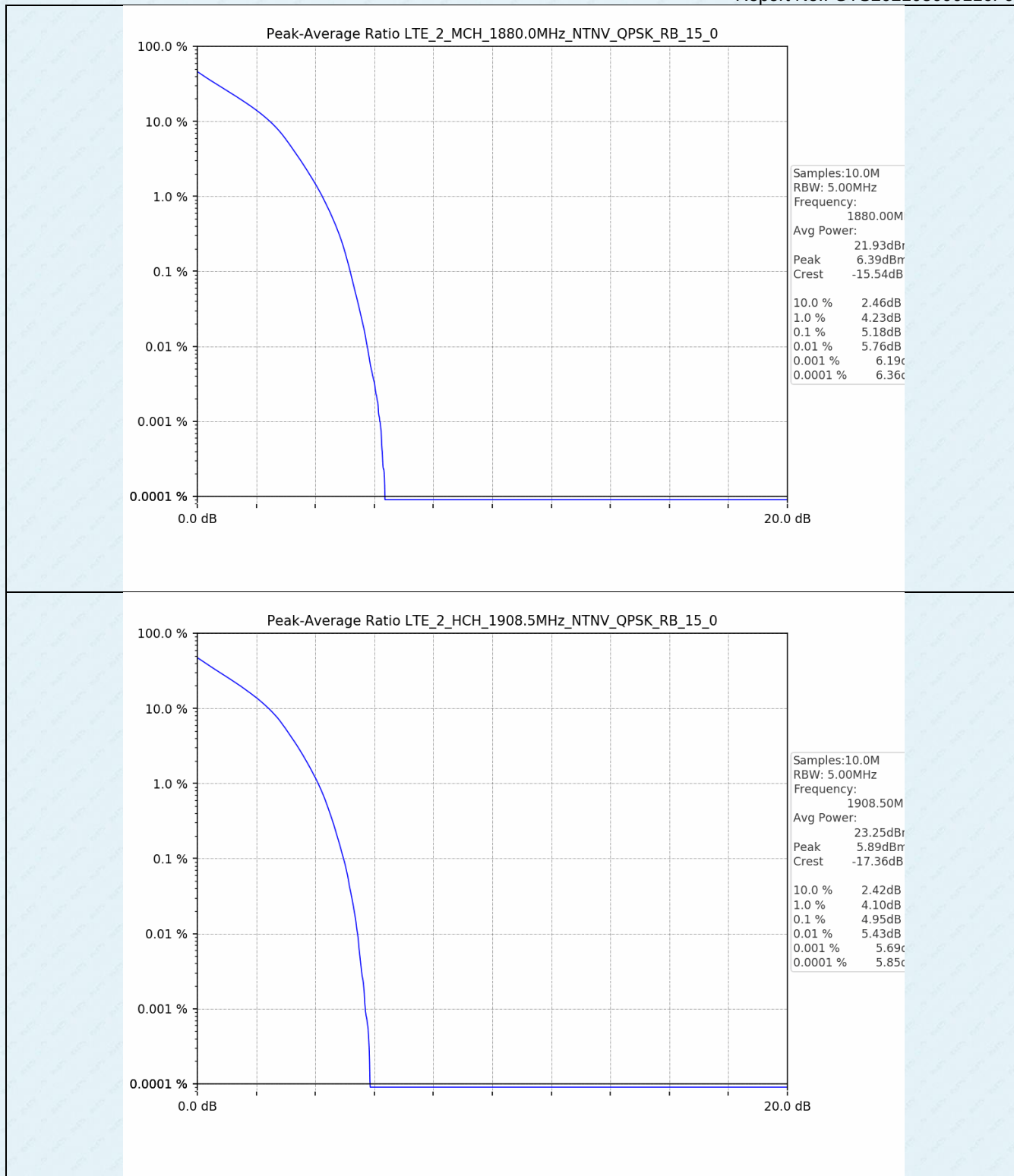


Test Band: 2_3MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	5.34	5.18	4.95	13	PASS
16QAM	15	0	6.05	8.08	5.74	13	PASS

4.2 Test Graph



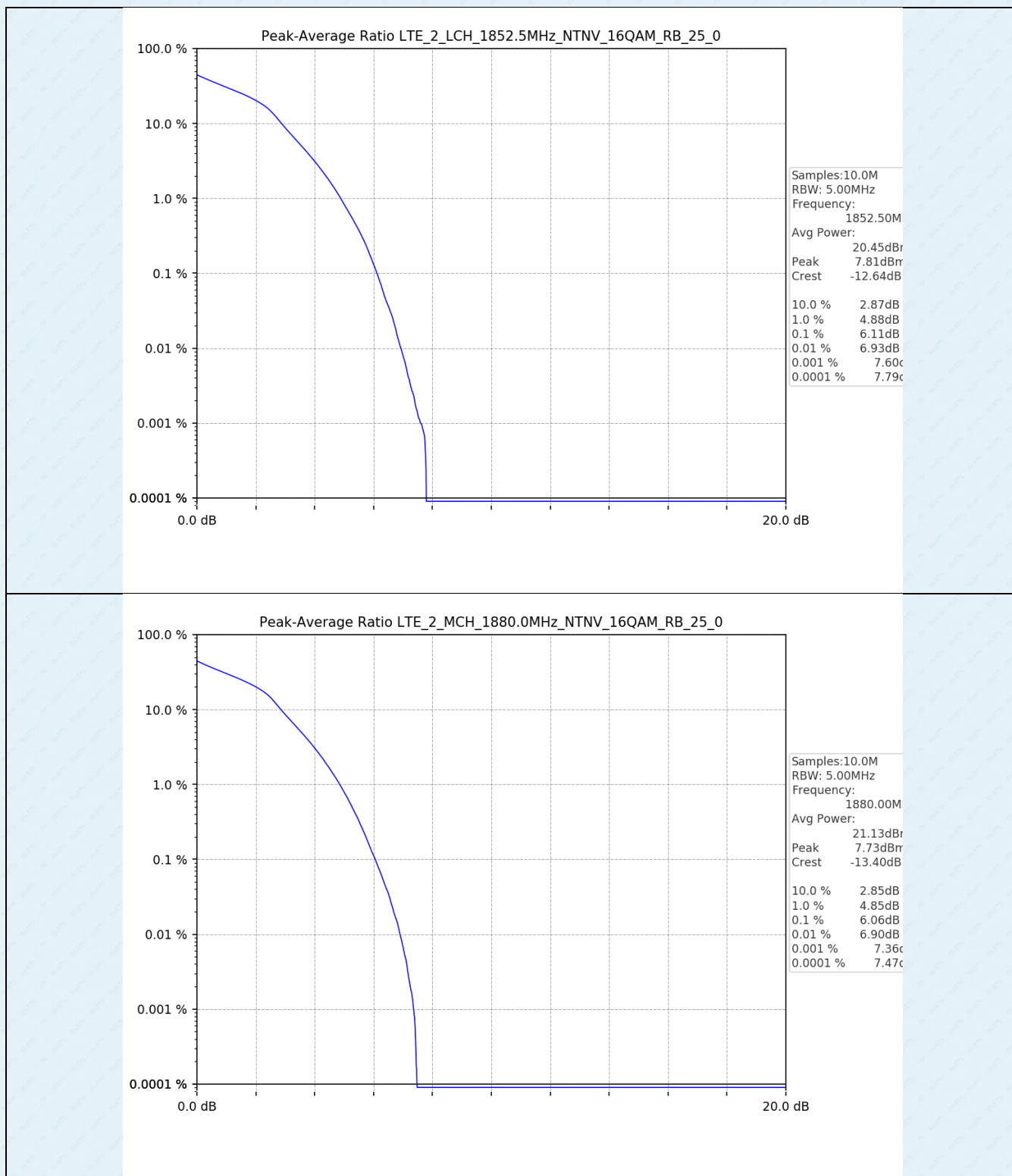


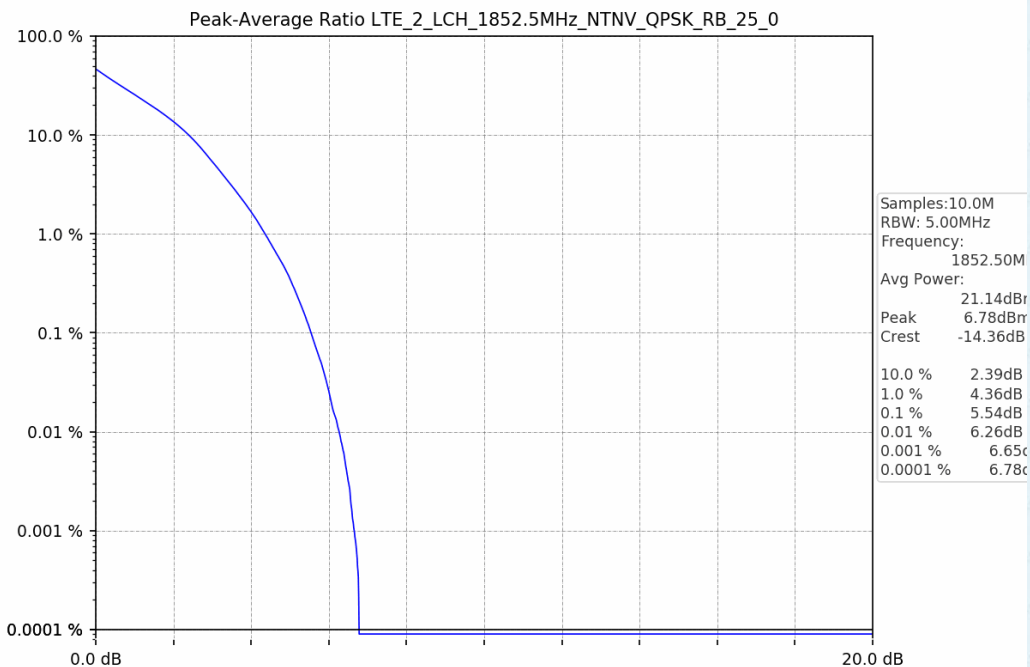
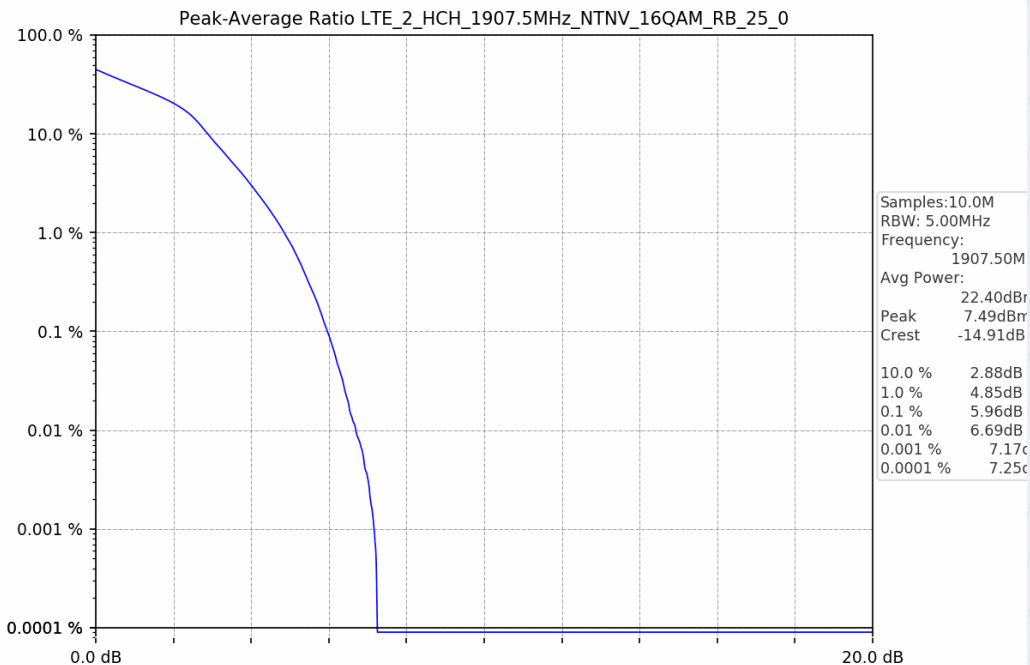


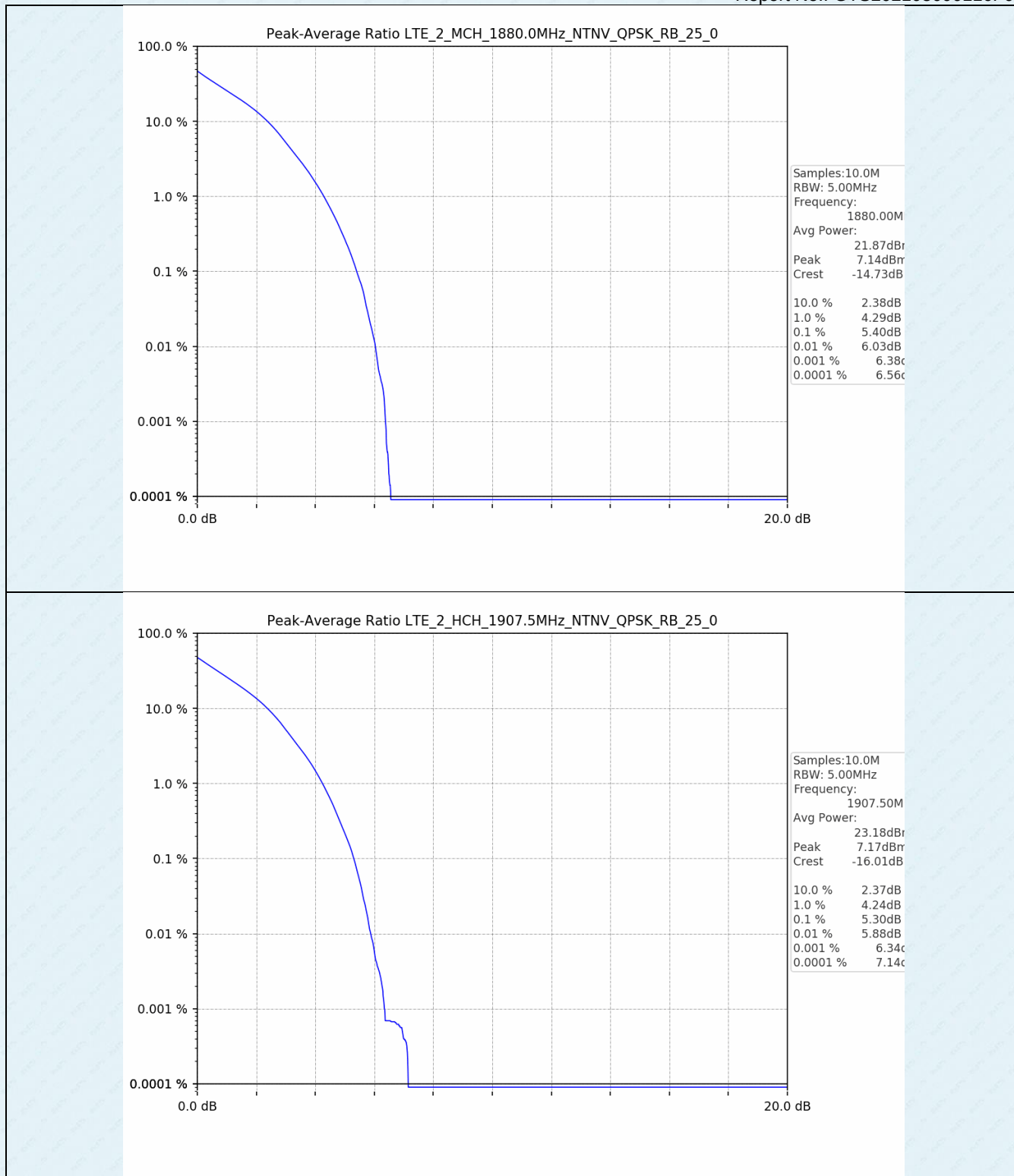
Test Band: 2 5MHz Bandwidth						
Test Mode	RB Allocation		Test result (dB)			Limit (dB)
	Size	Offset	LCH	MCH	HCH	

QPSK	25	0	5.54	5.40	5.30	13	PASS
16QAM	25	0	6.11	6.06	5.96	13	PASS

4.2 Test Graph



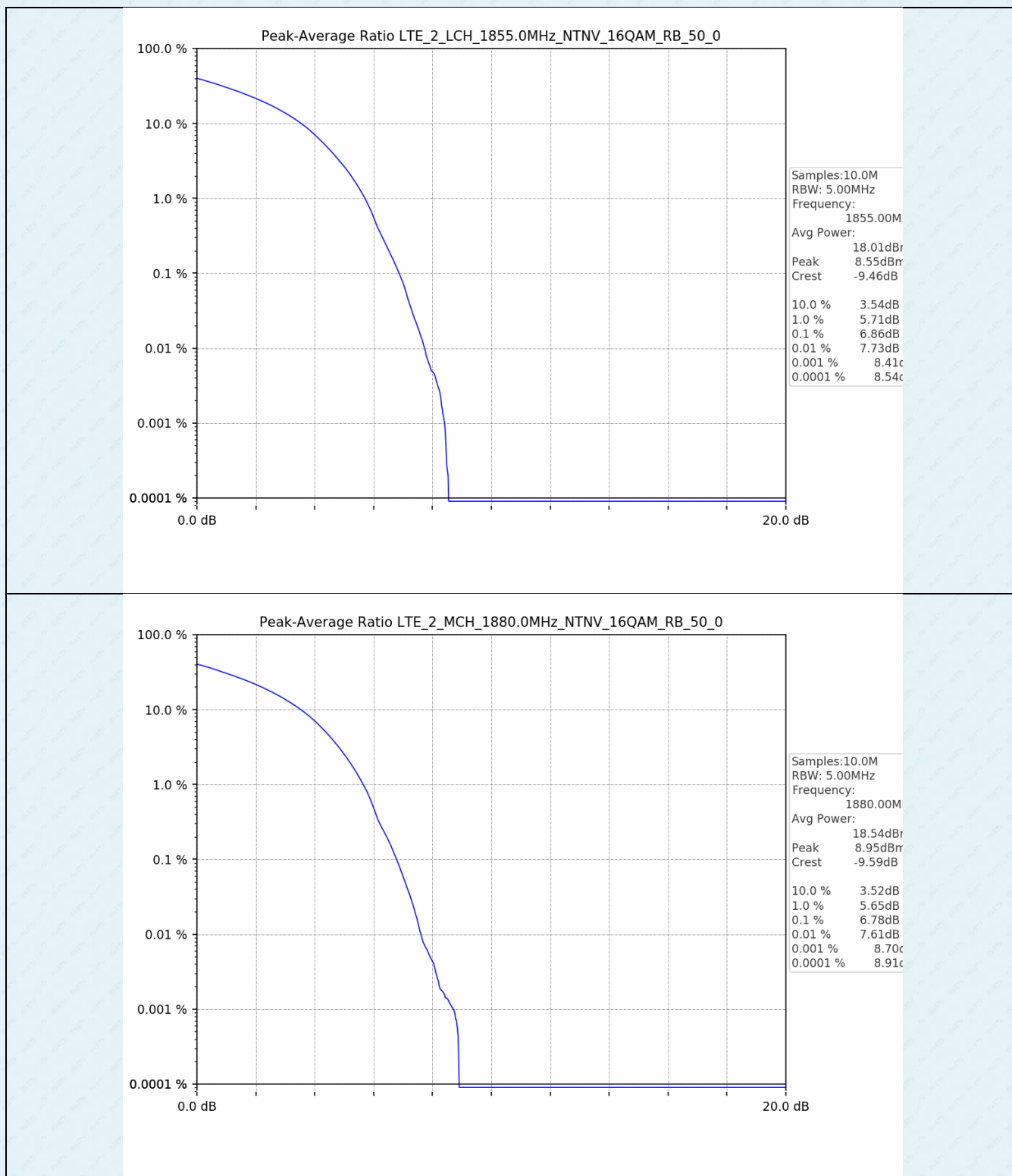


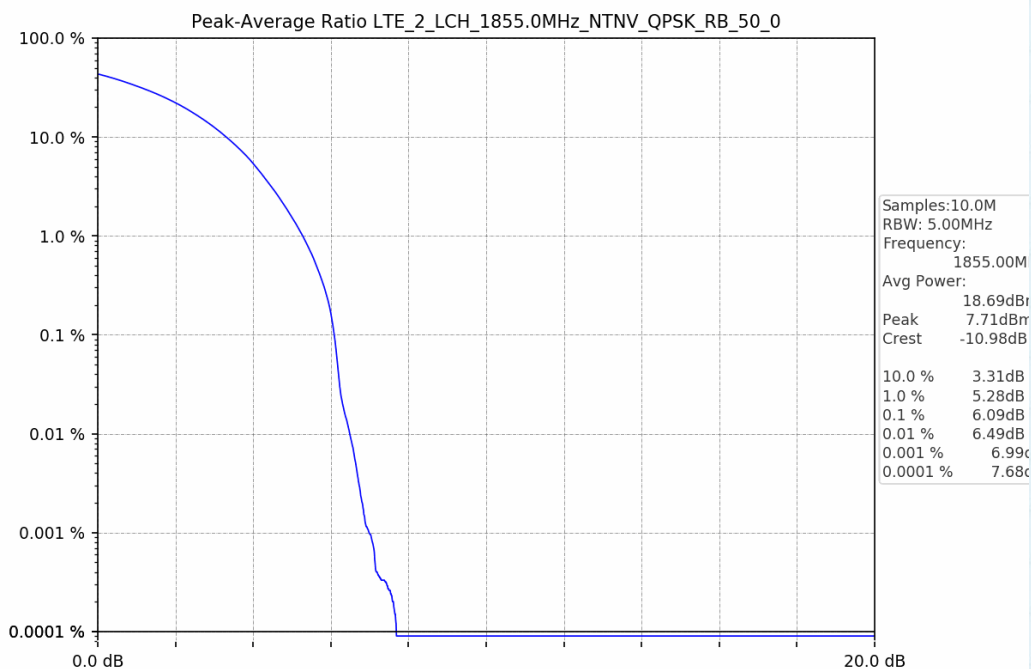
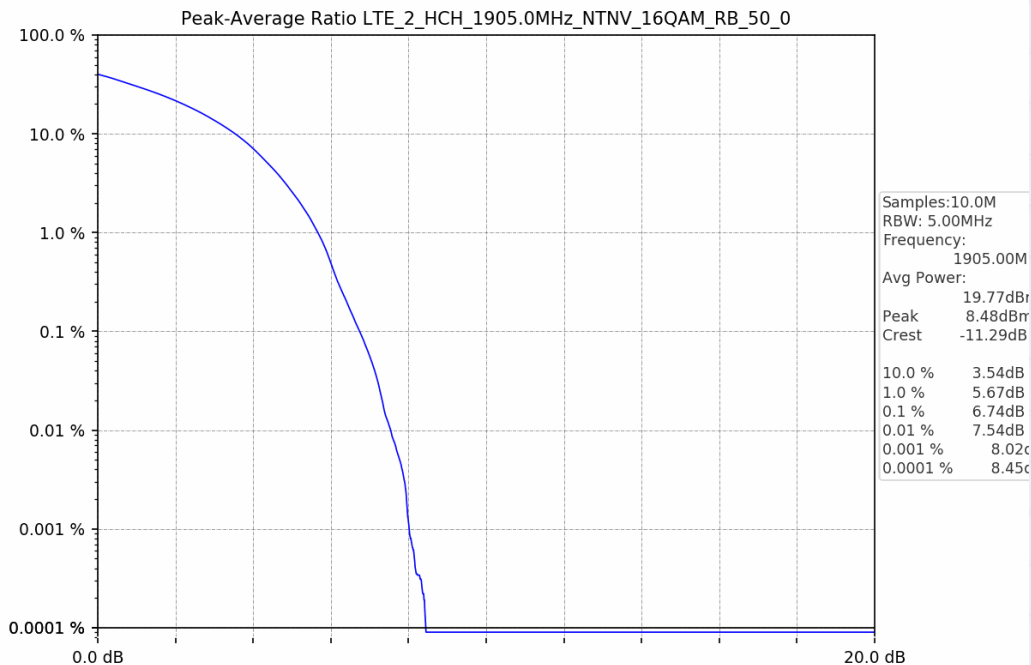


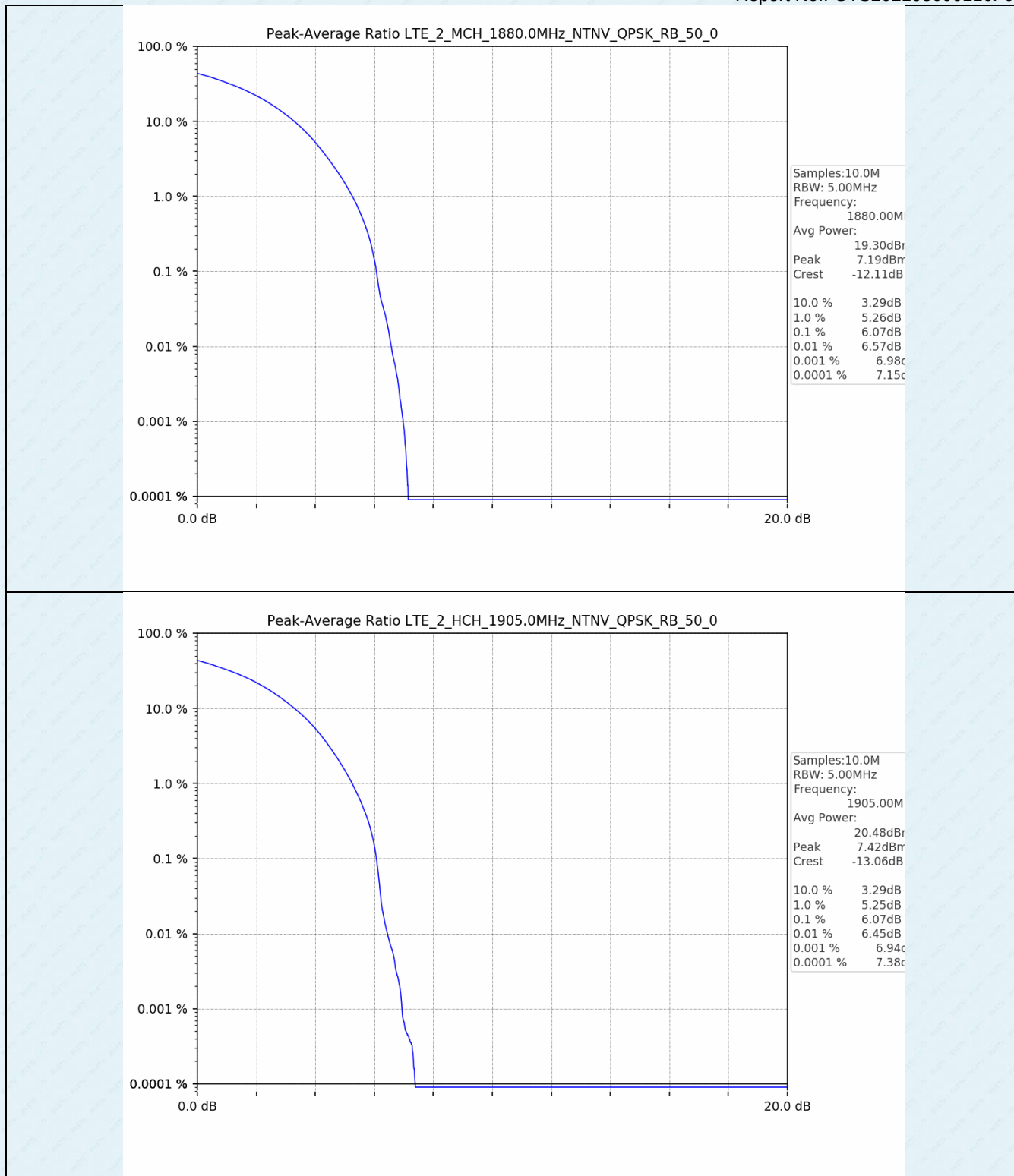
Test Band: 2 10MHz Bandwidth						
Test Mode	RB Allocation		Test result (dB)			Limit (dB)
	Size	Offset	LCH	MCH	HCH	

QPSK	50	0	6.09	6.07	6.07	13	PASS
16QAM	50	0	6.86	6.78	6.74	13	PASS

4.2 Test Graph







Test Band: 2 15MHz Bandwidth						
Test Mode	RB Allocation		Test result (dB)			Limit (dB)
	Size	Offset	LCH	MCH	HCH	

QPSK	75	0	6.71	6.72	6.76	13	PASS
16QAM	75	0	7.28	7.29	7.27	13	PASS

4.2 Test Graph

