



Appendix D

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	22.57	22.02	22.45	/	3.00	25.57	25.02	25.45	33.01	PASS
		2	22.63	22.10	22.59	/	3.00	25.63	25.10	25.59	33.01	PASS
		5	22.49	21.88	22.51	/	3.00	25.49	24.88	25.51	33.01	PASS
	3	0	22.41	22.01	22.41	/	3.00	25.41	25.01	25.41	33.01	PASS
		2	22.43	21.97	22.45	/	3.00	25.43	24.97	25.45	33.01	PASS
		3	22.34	21.92	22.39	/	3.00	25.34	24.92	25.39	33.01	PASS
16QAM	6	0	21.63	20.98	21.57	/	3.00	24.63	23.98	24.57	33.01	PASS
			21.35	21.00	21.44	/	3.00	24.35	24.00	24.44	33.01	PASS
		2	21.43	21.02	21.56	/	3.00	24.43	24.02	24.56	33.01	PASS
	1	5	21.28	20.85	21.46	/	3.00	24.28	23.85	24.46	33.01	PASS
		0	21.50	21.09	21.29	/	3.00	24.50	24.09	24.29	33.01	PASS
		2	21.53	21.02	21.32	/	3.00	24.53	24.02	24.32	33.01	PASS
	3	3	21.47	20.95	21.31	/	3.00	24.47	23.95	24.31	33.01	PASS
		6	20.50	19.94	20.45	/	3.00	23.50	22.94	23.45	33.01	PASS
		0										

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	22.72	22.22	22.46	/	3.00	25.72	25.22	25.46	33.01	PASS
		7	22.64	22.13	22.63	/	3.00	25.64	25.13	25.63	33.01	PASS
		14	22.52	21.77	22.58	/	3.00	25.52	24.77	25.58	33.01	PASS
	8	0	21.58	21.08	21.40	/	3.00	24.58	24.08	24.40	33.01	PASS
		4	21.58	21.01	21.52	/	3.00	24.58	24.01	24.52	33.01	PASS
		7	21.46	20.89	21.53	/	3.00	24.46	23.89	24.53	33.01	PASS
16QAM	15	0	21.40	20.96	21.41	/	3.00	24.40	23.96	24.41	33.01	PASS
			21.48	21.35	21.85	/	3.00	24.48	24.35	24.85	33.01	PASS
		7	21.47	21.20	21.92	/	3.00	24.47	24.20	24.92	33.01	PASS
	1	14	21.26	20.80	21.76	/	3.00	24.26	23.80	24.76	33.01	PASS
		0	20.51	20.07	20.47	/	3.00	23.51	23.07	23.47	33.01	PASS
		4	20.50	20.01	20.59	/	3.00	23.50	23.01	23.59	33.01	PASS
	8	7	20.40	19.85	20.61	/	3.00	23.40	22.85	23.61	33.01	PASS
		15	20.37	19.93	20.44	/	3.00	23.37	22.93	23.44	33.01	PASS
		0										

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	22.57	22.34	22.26	/	3.00	25.57	25.34	25.26	33.01	PASS
		13	22.54	22.02	22.46	/	3.00	25.54	25.02	25.46	33.01	PASS

	12	24	22.29	21.52	22.51	/	3.00	25.29	24.52	25.51	33.01	PASS	
		0	21.51	21.12	21.20	/	3.00	24.51	24.12	24.20	33.01	PASS	
		6	21.41	21.01	21.39	/	3.00	24.41	24.01	24.39	33.01	PASS	
		13	21.20	20.80	21.56	/	3.00	24.20	23.80	24.56	33.01	PASS	
16QAM	25	0	21.35	20.91	21.45	/	3.00	24.35	23.91	24.45	33.01	PASS	
	1		21.47	21.53	21.11	/	3.00	24.47	24.53	24.11	33.01	PASS	
		13	21.41	21.18	21.25	/	3.00	24.41	24.18	24.25	33.01	PASS	
		24	21.18	20.61	21.18	/	3.00	24.18	23.61	24.18	33.01	PASS	
	12	0	20.49	20.19	20.28	/	3.00	23.49	23.19	23.28	33.01	PASS	
		6	20.40	20.12	20.46	/	3.00	23.40	23.12	23.46	33.01	PASS	
		13	20.16	19.89	20.63	/	3.00	23.16	22.89	23.63	33.01	PASS	
	25	0	20.32	19.93	20.49	/	3.00	23.32	22.93	23.49	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	22.73	22.68	21.40	/	3.00	25.73	25.68	24.40	33.01	PASS
		25	22.58	22.01	22.00	/	3.00	25.58	25.01	25.00	33.01	PASS
		49	22.34	20.96	22.06	/	3.00	25.34	23.96	25.06	33.01	PASS
	25	0	21.62	21.05	20.65	/	3.00	24.62	24.05	23.65	33.01	PASS
		13	21.32	20.69	20.91	/	3.00	24.32	23.69	23.91	33.01	PASS
		25	21.06	20.54	21.35	/	3.00	24.06	23.54	24.35	33.01	PASS
	50	0	21.37	20.75	21.11	/	3.00	24.37	23.75	24.11	33.01	PASS
21.46	21.88		21.38	/	3.00	24.46	24.88	24.38	33.01	PASS		
16QAM	1	25	21.36	21.25	21.95	/	3.00	24.36	24.25	24.95	33.01	PASS
		49	21.26	20.23	21.67	/	3.00	24.26	23.23	24.67	33.01	PASS
		0	20.63	20.32	20.17	/	3.00	23.63	23.32	23.17	33.01	PASS
	25	13	20.33	20.01	20.35	/	3.00	23.33	23.01	23.35	33.01	PASS
		25	20.13	19.74	20.72	/	3.00	23.13	22.74	23.72	33.01	PASS
		0	20.37	19.99	20.34	/	3.00	23.37	22.99	23.34	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	22.64	22.65	20.75	/	3.00	25.64	25.65	23.75	33.01	PASS
		38	22.37	21.55	21.51	/	3.00	25.37	24.55	24.51	33.01	PASS
		74	22.57	20.48	21.72	/	3.00	25.57	23.48	24.72	33.01	PASS
	36	0	21.57	21.02	20.20	/	3.00	24.57	24.02	23.20	33.01	PASS
		18	21.26	20.62	20.50	/	3.00	24.26	23.62	23.50	33.01	PASS
		39	21.18	20.34	21.03	/	3.00	24.18	23.34	24.03	33.01	PASS
	75	0	21.33	20.53	20.75	/	3.00	24.33	23.53	23.75	33.01	PASS
16QAM	1	0	21.60	22.15	20.64	/	3.00	24.60	25.15	23.64	33.01	PASS
		38	21.52	21.14	21.57	/	3.00	24.52	24.14	24.57	33.01	PASS
		74	22.02	19.84	21.60	/	3.00	25.02	22.84	24.60	33.01	PASS
	36	0	20.65	20.60	19.75	/	3.00	23.65	23.60	22.75	33.01	PASS
		18	20.42	20.14	20.10	/	3.00	23.42	23.14	23.10	33.01	PASS
		39	20.45	19.59	20.29	/	3.00	23.45	22.59	23.29	33.01	PASS
	75	0	20.56	19.96	19.88	/	3.00	23.56	22.96	22.88	33.01	PASS

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	21.93	22.31	19.99	/	3.00	24.93	25.31	22.99	33.01	PASS
		50	22.24	21.53	21.37	/	3.00	25.24	24.53	24.37	33.01	PASS
		99	22.28	19.92	21.59	/	3.00	25.28	22.92	24.59	33.01	PASS
	50	0	21.03	20.85	20.05	/	3.00	24.03	23.85	23.05	33.01	PASS
		25	20.79	20.32	20.18	/	3.00	23.79	23.32	23.18	33.01	PASS
		50	20.98	19.80	21.02	/	3.00	23.98	22.80	24.02	33.01	PASS
16QAM	1	0	21.08	20.19	20.52	/	3.00	24.08	23.19	23.52	33.01	PASS
			21.39	21.94	19.50	/	3.00	24.39	24.94	22.50	33.01	PASS
		50	21.84	21.09	21.03	/	3.00	24.84	24.09	24.03	33.01	PASS
	50	99	22.24	19.29	21.05	/	3.00	25.24	22.29	24.05	33.01	PASS
		0	20.53	20.24	19.25	/	3.00	23.53	23.24	22.25	33.01	PASS
		25	20.32	19.71	19.47	/	3.00	23.32	22.71	22.47	33.01	PASS
	100	50	20.49	19.22	20.19	/	3.00	23.49	22.22	23.19	33.01	PASS
		0	20.58	19.66	19.52	/	3.00	23.58	22.66	22.52	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	-4.8637	2.2459	-2.3890	-0.0026	0.0012	-0.0013	2.50	PASS
				NV	-5.8508	-1.9884	4.2629	-0.0032	-0.0011	0.0022	2.50	PASS
				HV	-	-2.3174	-3.5906	-0.0078	-0.0012	-0.0019	2.50	PASS
16QAM	6	0	NT	LV	-7.0953	-1.9598	3.5334	-0.0038	-0.0010	0.0019	2.50	PASS
				NV	-7.7820	2.7609	-1.0729	-0.0042	0.0015	-0.0006	2.50	PASS
				HV	-5.1928	4.8351	-2.4891	-0.0028	0.0026	-0.0013	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	-6.2227	-9.0981	59.8669	-0.0034	-0.0048	0.0314	2.50	PASS
				-20.00	-	-5.0926	21.6436	-0.0061	-0.0027	0.0113	2.50	PASS
				-10.00	-	-	4.2629	-0.0073	-0.0058	0.0022	2.50	PASS
				0.00	-	-2.5320	1.9026	-0.0054	-0.0013	0.0010	2.50	PASS
				10.00	-7.7248	-4.3058	2.2316	-0.0042	-0.0023	0.0012	2.50	PASS
				20.00	-1.8883	-	-4.8208	-0.0010	-0.0056	-0.0025	2.50	PASS
				30.00	-5.2643	-5.3644	-	-0.0028	-0.0029	-0.0089	2.50	PASS
				40.00	-8.5258	-7.8249	-1.7166	-0.0046	-0.0042	-0.0009	2.50	PASS
				50.00	-4.4489	-	-0.2575	-0.0024	-0.0077	-0.0001	2.50	PASS

16QAM	6	0	NV	-30.00	3.2330	5.6076	0.1860	0.0017	0.0030	0.0001	2.50	PASS
				-20.00	-6.9380	6.0368	-3.5334	-0.0037	0.0032	-0.0019	2.50	PASS
				-10.00	-9.1982	3.5048	0.6151	-0.0050	0.0019	0.0003	2.50	PASS
				0.00	-9.8276	1.7738	-2.9755	-0.0053	0.0009	-0.0016	2.50	PASS
				10.00	-5.2214	2.2459	-	-0.0028	0.0012	-0.0141	2.50	PASS
				20.00	-6.0225	2.4748	-	-0.0033	0.0013	-0.0067	2.50	PASS
				30.00	-4.7493	4.8637	-	-0.0026	0.0026	-0.0086	2.50	PASS
				40.00	0.0000	0.3576	-3.8338	0.0000	0.0002	-0.0020	2.50	PASS
				50.00	-1.5879	-0.4148	-2.1887	-0.0009	-0.0002	-0.0011	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	-	0.1860	-	-0.0068	0.0001	-0.0059	2.50	PASS
				NV	-	-0.8440	-	-0.0071	-0.0004	-0.0082	2.50	PASS
				HV	-	2.3746	-7.3528	-0.0067	0.0013	-0.0039	2.50	PASS
16QAM	15	0	NT	LV	-6.5804	-7.7534	-5.0211	-0.0036	-0.0041	-0.0026	2.50	PASS
				NV	-	-	-1.1587	-0.0060	-0.0063	-0.0006	2.50	PASS
				HV	-9.3269	-7.0381	-4.0627	-0.0050	-0.0037	-0.0021	2.50	PASS

Test Band: 2 _ 3MHz Bandwidth (Frequency Error VS. Temperature)												
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	NV	-30.00	-	-2.0742	-3.2187	-0.0057	-0.0011	-0.0017	2.50	PASS
				-20.00	-3.6478	-3.2616	-6.9952	-0.0020	-0.0017	-0.0037	2.50	PASS
				-10.00	3.0327	0.2146	-1.9741	0.0016	0.0001	-0.0010	2.50	PASS
				0.00	-6.2656	0.0286	-7.1096	-0.0034	0.0000	-0.0037	2.50	PASS
				10.00	-9.2697	-3.1185	-	-0.0050	-0.0017	-0.0059	2.50	PASS
				20.00	-	0.6151	-3.3903	-0.0070	0.0003	-0.0018	2.50	PASS
				30.00	-	1.0729	-	-0.0055	0.0006	-0.0065	2.50	PASS
				40.00	-	-8.5974	-9.8419	-0.0071	-0.0046	-0.0052	2.50	PASS
				50.00	-	-9.8562	-9.0551	-0.0069	-0.0052	-0.0047	2.50	PASS
16QAM	15	0	NV	-30.00	-	-4.5347	-2.9325	-0.0071	-0.0024	-0.0015	2.50	PASS
				-20.00	-1.9169	-	-2.0599	-0.0010	-0.0060	-0.0011	2.50	PASS
				-10.00	3.1900	-5.2357	-5.6791	0.0017	-0.0028	-0.0030	2.50	PASS
				0.00	-8.3685	-9.9134	-4.7779	-0.0045	-0.0053	-0.0025	2.50	PASS
				10.00	-9.1124	-9.9134	-8.4972	-0.0049	-0.0053	-0.0045	2.50	PASS
				20.00	-7.8106	-4.8208	-	-0.0042	-0.0026	-0.0056	2.50	PASS
				30.00	-8.9979	-3.6049	-	-0.0049	-0.0019	-0.0073	2.50	PASS
				40.00	-2.8896	0.3004	-4.2486	-0.0016	0.0002	-0.0022	2.50	PASS

				50.00	2.0027	-1.2159	- 10.8576	0.0011	-0.0006	-0.0057	2.50	PASS
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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	- 10.7288	-2.9325	-2.2459	-0.0058	-0.0016	-0.0012	2.50	PASS
				NV	-8.1253	-1.4019	-4.4060	-0.0044	-0.0007	-0.0023	2.50	PASS
				HV	-8.7690	-7.6675	-3.5906	-0.0047	-0.0041	-0.0019	2.50	PASS
16QAM	25	0	NT	LV	-9.8562	0.9012	-0.1001	-0.0053	0.0005	-0.0001	2.50	PASS
				NV	- 11.3869	-4.6921	-6.0225	-0.0061	-0.0025	-0.0032	2.50	PASS
				HV	- 11.4298	-9.3985	-3.0899	-0.0062	-0.0050	-0.0016	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	- 16.4795	-6.9809	-3.0470	-0.0089	-0.0037	-0.0016	2.50	PASS
				-20.00	- 11.2009	-2.8896	-8.8120	-0.0060	-0.0015	-0.0046	2.50	PASS
				-10.00	-5.6362	-2.7323	-4.3058	-0.0030	-0.0015	-0.0023	2.50	PASS
				0.00	-8.2111	-5.7364	-5.5790	-0.0044	-0.0031	-0.0029	2.50	PASS
				10.00	- 13.0320	-6.8808	- 11.6587	-0.0070	-0.0037	-0.0061	2.50	PASS
				20.00	- 13.5183	-6.8522	-7.6675	-0.0073	-0.0036	-0.0040	2.50	PASS
				30.00	-8.5258	-4.9210	-8.6260	-0.0046	-0.0026	-0.0045	2.50	PASS
				40.00	-4.6492	-3.3188	- 10.6716	-0.0025	-0.0018	-0.0056	2.50	PASS
				50.00	-3.7050	-2.6035	-1.9598	-0.0020	-0.0014	-0.0010	2.50	PASS
16QAM	25	0	NV	-30.00	- 14.2479	-4.3344	-0.8440	-0.0077	-0.0023	-0.0004	2.50	PASS
				-20.00	- 11.2009	-5.4789	-3.6907	-0.0060	-0.0029	-0.0019	2.50	PASS
				-10.00	-9.7704	-8.1539	-2.5606	-0.0053	-0.0043	-0.0013	2.50	PASS
				0.00	-6.0081	-5.7793	-6.6233	-0.0032	-0.0031	-0.0035	2.50	PASS
				10.00	- 10.5143	-8.5974	-8.4829	-0.0057	-0.0046	-0.0044	2.50	PASS
				20.00	-9.8562	-7.9823	-4.5633	-0.0053	-0.0042	-0.0024	2.50	PASS
				30.00	-9.8991	-3.3617	-4.4918	-0.0053	-0.0018	-0.0024	2.50	PASS
				40.00	-9.4986	- 11.0436	-6.0654	-0.0051	-0.0059	-0.0032	2.50	PASS
				50.00	-7.0667	-8.0967	-3.3903	-0.0038	-0.0043	-0.0018	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	-3.1328	-7.5531	0.0858	-0.0017	-0.0040	0.0000	2.50	PASS
				NV	-0.8726	- 11.0578	-2.1887	-0.0005	-0.0059	-0.0011	2.50	PASS
				HV	-0.2289	-4.8780	-2.8753	-0.0001	-0.0026	-0.0015	2.50	PASS
16QAM	50	0	NT	LV	-2.1458	-8.7547	-1.3161	-0.0012	-0.0047	-0.0007	2.50	PASS
				NV	-2.9325	-8.3971	-7.0381	-0.0016	-0.0045	-0.0037	2.50	PASS

				HV	-1.7452	-8.2827	-4.5204	-0.0009	-0.0044	-0.0024	2.50	PASS
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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	-4.1056	-4.4060	-3.8767	-0.0022	-0.0023	-0.0020	2.50	PASS
				-20.00	-2.8896	-4.2629	-3.7909	-0.0016	-0.0023	-0.0020	2.50	PASS
				-10.00	-1.0729	-8.1396	-3.1042	-0.0006	-0.0043	-0.0016	2.50	PASS
				0.00	-4.8208	-6.8378	-5.1355	-0.0026	-0.0036	-0.0027	2.50	PASS
				10.00	-3.7050	-6.3372	-1.5736	-0.0020	-0.0034	-0.0008	2.50	PASS
				20.00	-4.5776	-6.3944	-1.0443	-0.0025	-0.0034	-0.0005	2.50	PASS
				30.00	-4.6206	-9.1124	-4.5490	-0.0025	-0.0048	-0.0024	2.50	PASS
				40.00	-7.7105	-7.7677	-5.4502	-0.0042	-0.0041	-0.0029	2.50	PASS
				50.00	-3.5906	-8.9693	-3.7622	-0.0019	-0.0048	-0.0020	2.50	PASS
16QAM	50	0	NV	-30.00	-4.3488	-8.1110	-5.0926	-0.0023	-0.0043	-0.0027	2.50	PASS
				-20.00	-0.1001	-5.2786	-3.3903	-0.0001	-0.0028	-0.0018	2.50	PASS
				-10.00	-1.5020	-2.3603	-7.0381	-0.0008	-0.0013	-0.0037	2.50	PASS
				0.00	-3.9482	-7.8678	-2.7466	-0.0021	-0.0042	-0.0014	2.50	PASS
				10.00	-3.3617	-6.8522	-4.3344	-0.0018	-0.0036	-0.0023	2.50	PASS
				20.00	-5.7077	-8.5115	-3.3045	-0.0031	-0.0045	-0.0017	2.50	PASS
				30.00	-6.2084	-8.0109	-6.6805	-0.0033	-0.0043	-0.0035	2.50	PASS
				40.00	-5.3930	-6.9809	-7.7677	-0.0029	-0.0037	-0.0041	2.50	PASS
				50.00	-5.7936	-4.0054	-5.6648	-0.0031	-0.0021	-0.0030	2.50	PASS

Test Band: 2 15MHz Bandwidth (Frequency Error VS. Voltage)												
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	NT	LV	-2.2459	-2.6321	-1.6022	-0.0012	-0.0014	-0.0008	2.50	PASS
				NV	-4.9925	-8.1968	-5.4216	-0.0027	-0.0044	-0.0028	2.50	PASS
				HV	-2.4462	-5.1928	-5.9080	-0.0013	-0.0028	-0.0031	2.50	PASS
16QAM	75	0	NT	LV	-2.6035	-4.2629	-4.7207	-0.0014	-0.0023	-0.0025	2.50	PASS
				NV	-2.4176	-7.6389	-3.0470	-0.0013	-0.0041	-0.0016	2.50	PASS
				HV	-4.1485	-12.9747	-1.7166	-0.0022	-0.0069	-0.0009	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	1.3018	-3.7479	-4.1771	0.0007	-0.0020	-0.0022	2.50	PASS
				-20.00	-1.5020	-6.0225	-5.6219	-0.0008	-0.0032	-0.0030	2.50	PASS
				-10.00	-2.4462	-4.3488	-4.2915	-0.0013	-0.0023	-0.0023	2.50	PASS
				0.00	-3.8624	-3.8052	-4.4775	-0.0021	-0.0020	-0.0024	2.50	PASS
				10.00	-6.9237	-5.5361	-4.0913	-0.0037	-0.0029	-0.0022	2.50	PASS
				20.00	-3.0470	-3.8767	-4.1628	-0.0016	-0.0021	-0.0022	2.50	PASS
				30.00	-6.7234	-1.3733	-4.2200	-0.0036	-0.0007	-0.0022	2.50	PASS
				40.00	-4.2915	-5.4216	-10.5858	-0.0023	-0.0029	-0.0056	2.50	PASS
				50.00	-1.1587	-3.1614	-6.0797	-0.0006	-0.0017	-0.0032	2.50	PASS
16QAM	75	0	NV	-30.00	-4.3631	-5.9795	-4.6635	-0.0023	-0.0032	-0.0025	2.50	PASS
				-20.00	-5.6219	-7.5531	-6.5517	-0.0030	-0.0040	-0.0034	2.50	PASS
				-10.00	-3.3903	-2.6178	-2.7466	-0.0018	-0.0014	-0.0014	2.50	PASS
				0.00	-4.1342	-4.5776	-4.1485	-0.0022	-0.0024	-0.0022	2.50	PASS
				10.00	-2.5892	-5.5218	-6.4373	-0.0014	-0.0029	-0.0034	2.50	PASS
				20.00	-1.8740	-6.7091	-4.7350	-0.0010	-0.0036	-0.0025	2.50	PASS
				30.00	-4.4632	-7.2670	-1.5163	-0.0024	-0.0039	-0.0008	2.50	PASS

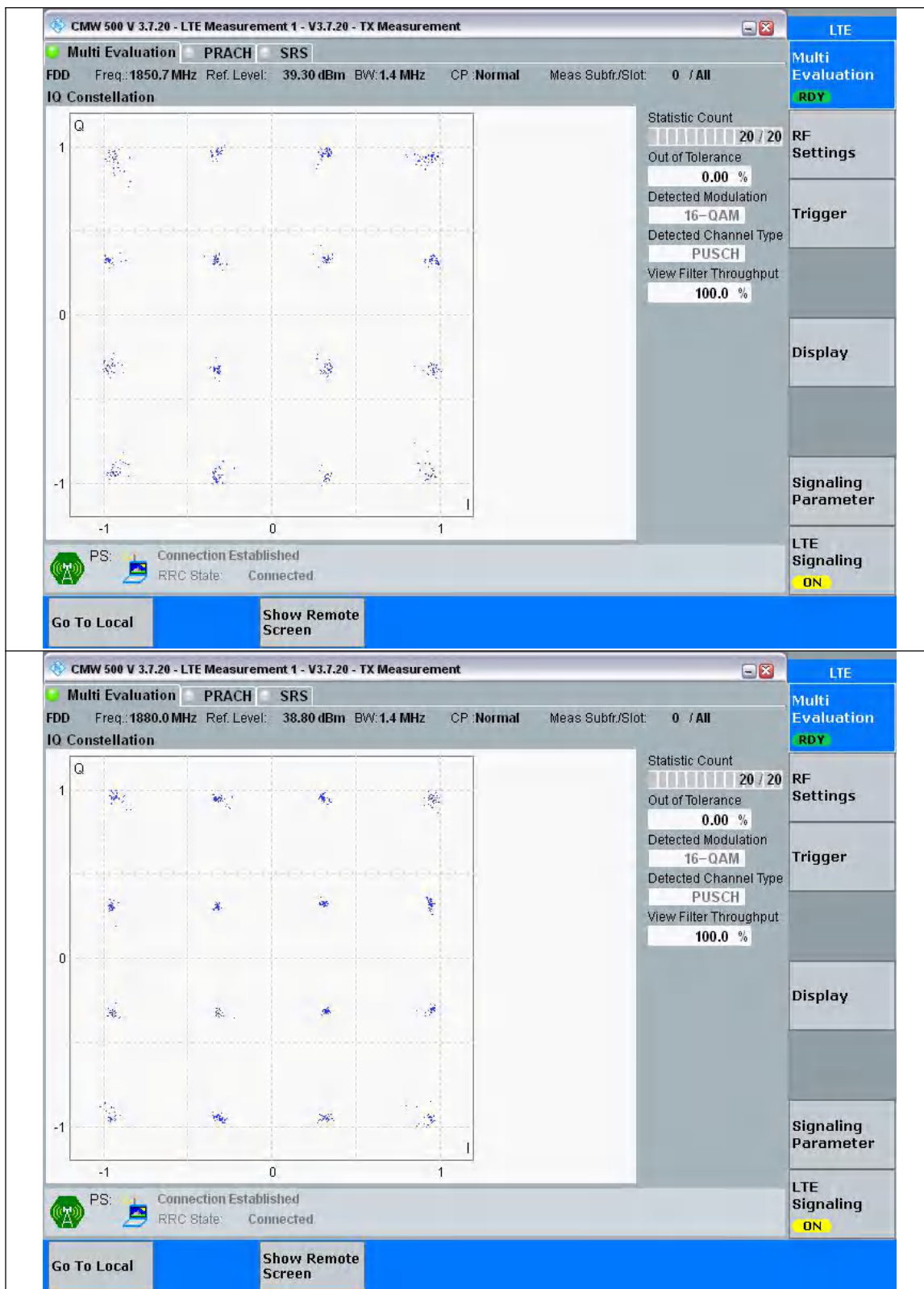
				40.00	-1.7309	-5.9795	-5.6076	-0.0009	-0.0032	-0.0029	2.50	PASS
				50.00	-5.0640	-4.5919	-5.4502	-0.0027	-0.0024	-0.0029	2.50	PASS

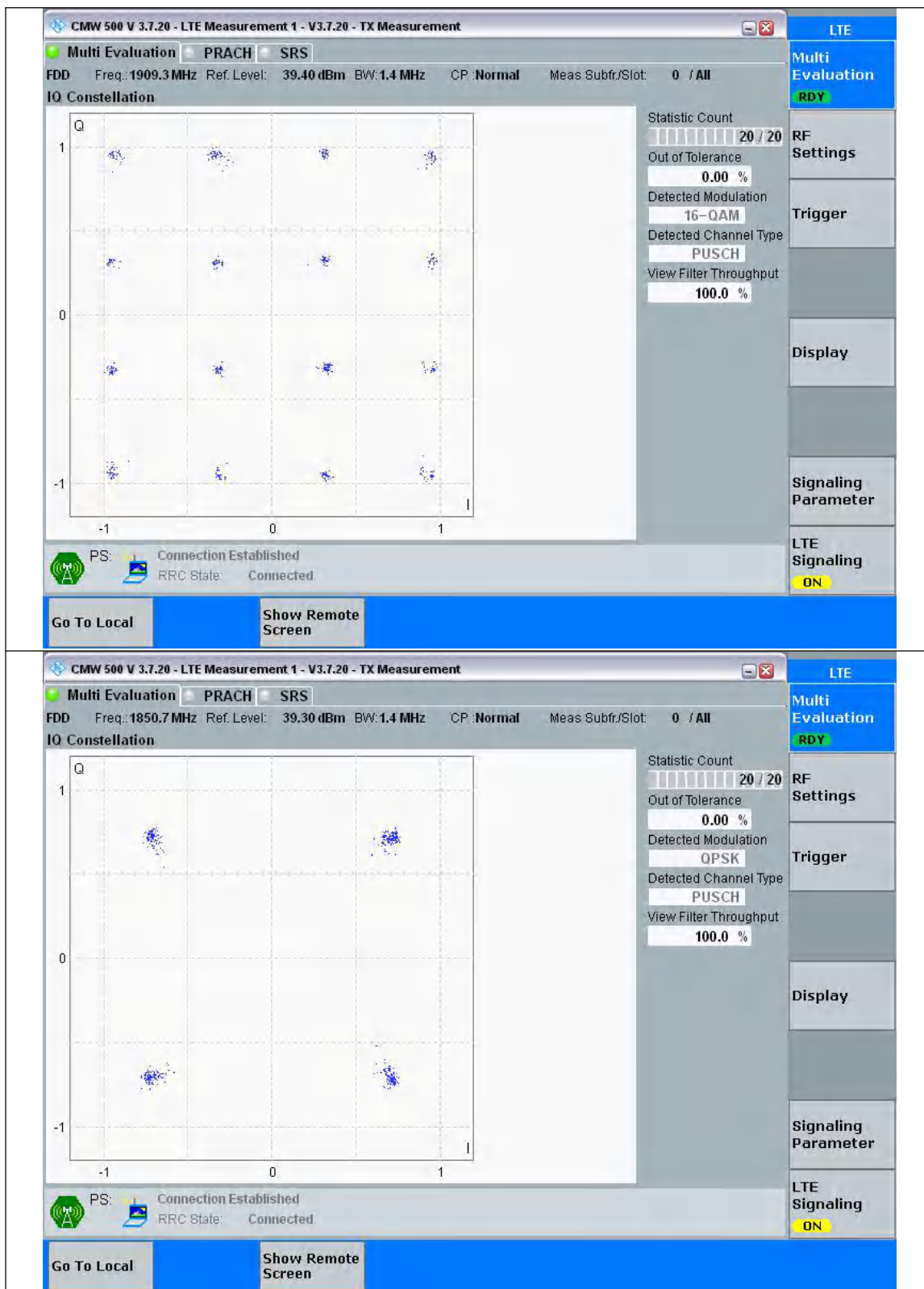
Test Band: 2 20MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NT	LV	-1.4019	-3.2616	-3.0327	-0.0008	-0.0017	-0.0016	2.50	PASS
				NV	-2.6464	-2.7466	-3.8195	-0.0014	-0.0015	-0.0020	2.50	PASS
				HV	-1.7166	-5.6505	-5.1069	-0.0009	-0.0030	-0.0027	2.50	PASS
16QAM	100	0	NT	LV	-3.3045	-7.7820	-3.9196	-0.0018	-0.0041	-0.0021	2.50	PASS
				NV	0.2146	-6.7377	-4.8065	0.0001	-0.0036	-0.0025	2.50	PASS
				HV	-8.0395	-6.8665	-7.5531	-0.0043	-0.0037	-0.0040	2.50	PASS

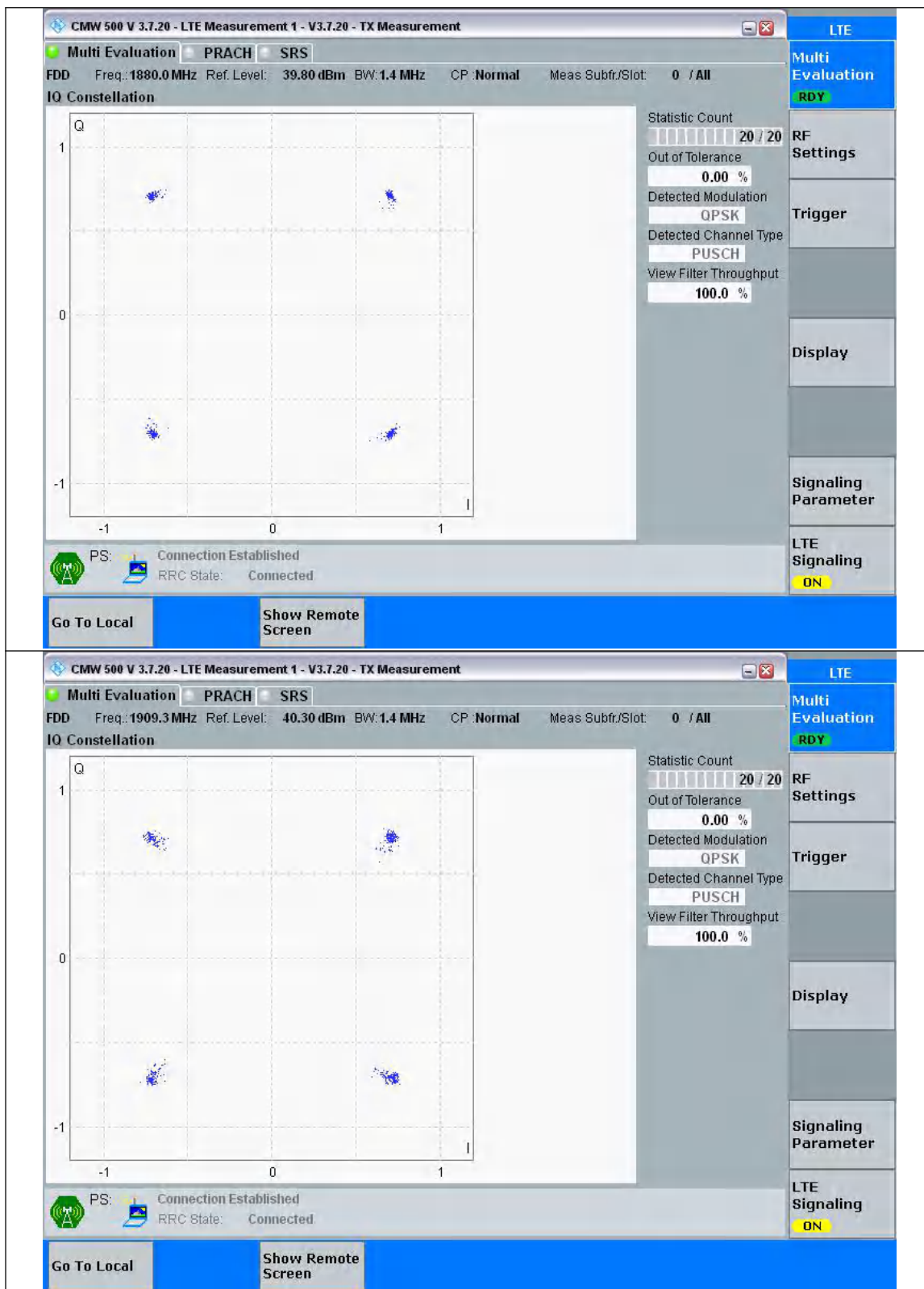
Test Band: 2 20MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NV	-30.00	1.0729	-5.7077	-5.1498	0.0006	-0.0030	-0.0027	2.50	PASS
				-20.00	0.1717	-8.3542	-2.7895	0.0001	-0.0044	-0.0015	2.50	PASS
				-10.00	-0.6866	-5.7507	-2.6321	-0.0004	-0.0031	-0.0014	2.50	PASS
				0.00	-5.3930	-4.3058	-5.7936	-0.0029	-0.0023	-0.0030	2.50	PASS
				10.00	-0.0572	-6.7234	-3.8338	0.0000	-0.0036	-0.0020	2.50	PASS
				20.00	-2.4748	-5.6219	-8.5974	-0.0013	-0.0030	-0.0045	2.50	PASS
				30.00	-4.7207	-4.2343	-5.3215	-0.0025	-0.0023	-0.0028	2.50	PASS
				40.00	-1.9455	-6.5804	-5.4073	-0.0010	-0.0035	-0.0028	2.50	PASS
				50.00	-3.0470	-5.8222	-4.4918	-0.0016	-0.0031	-0.0024	2.50	PASS
16QAM	100	0	NV	-30.00	-3.9339	-5.4646	-6.3086	-0.0021	-0.0029	-0.0033	2.50	PASS
				-20.00	-3.6478	-7.2241	-4.2772	-0.0020	-0.0038	-0.0023	2.50	PASS
				-10.00	-0.1001	-	-6.1369	-0.0001	-0.0067	-0.0032	2.50	PASS
				0.00	-3.1328	-5.7793	-5.5361	-0.0017	-0.0031	-0.0029	2.50	PASS
				10.00	-3.2043	-8.1682	-4.7207	-0.0017	-0.0043	-0.0025	2.50	PASS
				20.00	-1.7309	-	-4.3344	-0.0009	-0.0053	-0.0023	2.50	PASS
				30.00	-3.3045	-4.5204	-7.9536	-0.0018	-0.0024	-0.0042	2.50	PASS
				40.00	-2.3460	-7.2813	-4.6349	-0.0013	-0.0039	-0.0024	2.50	PASS
				50.00	-2.4319	-8.1253	-6.2227	-0.0013	-0.0043	-0.0033	2.50	PASS

3. Modulation Characteristics

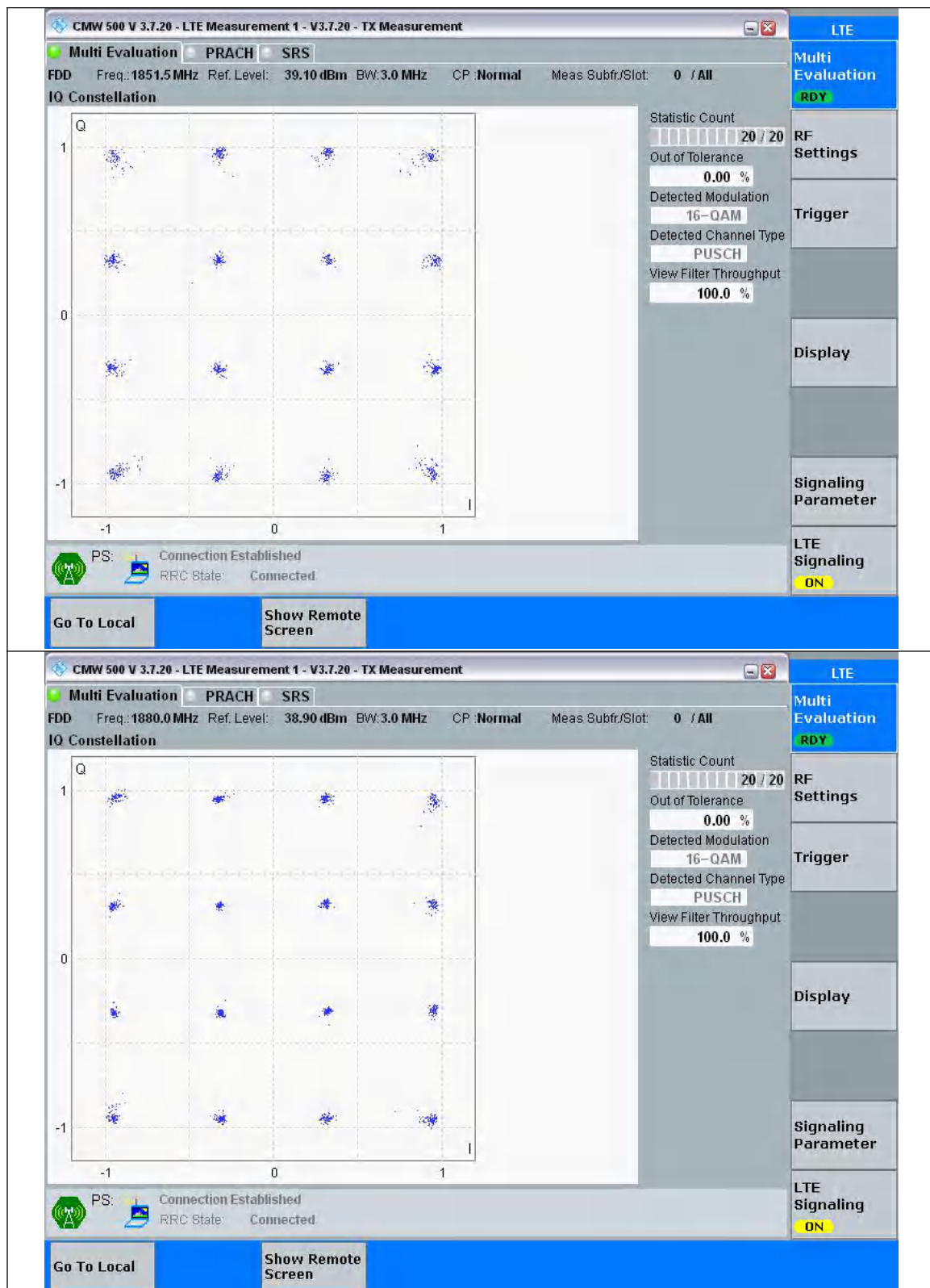
3.1 Test Graph

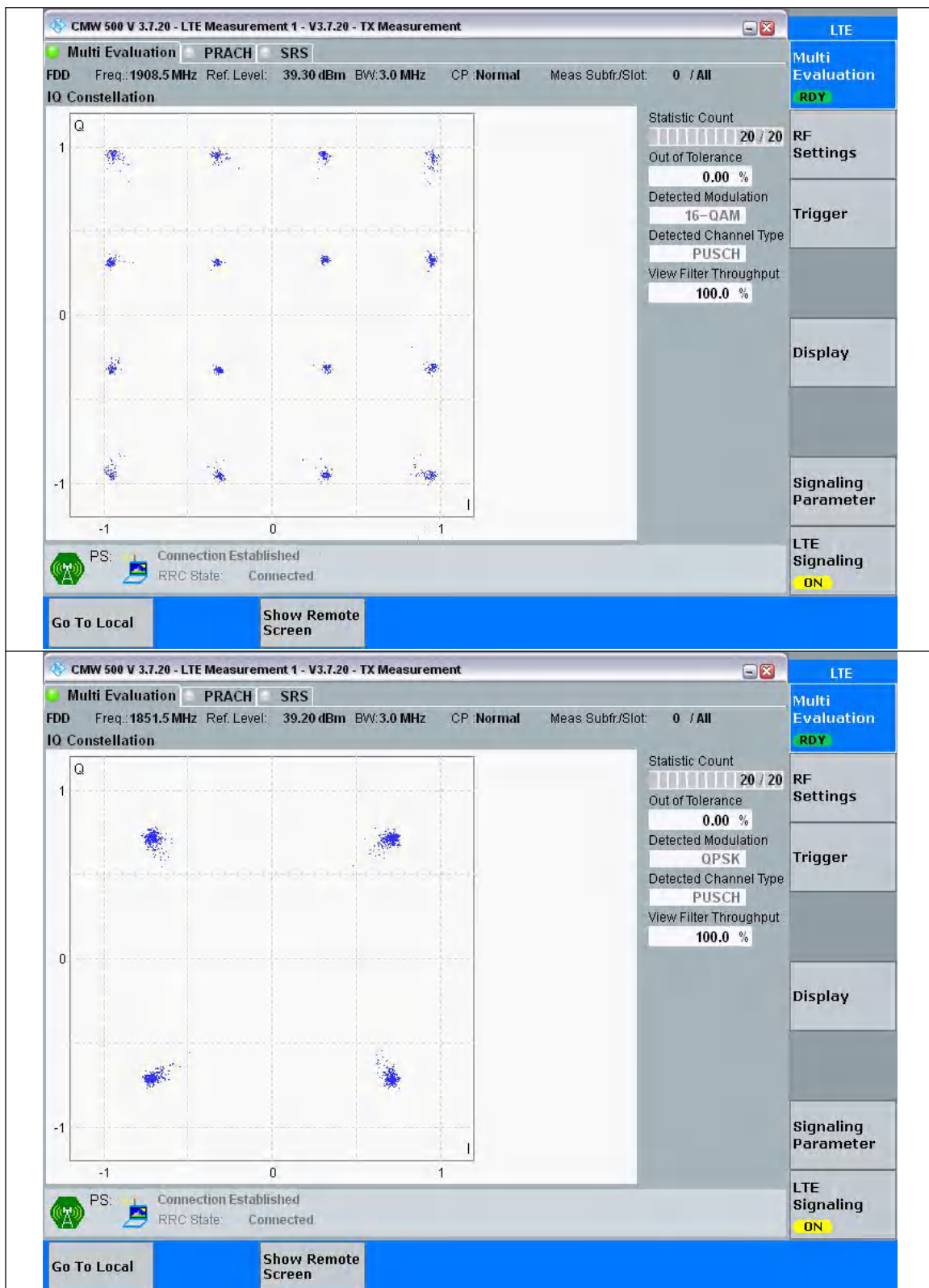


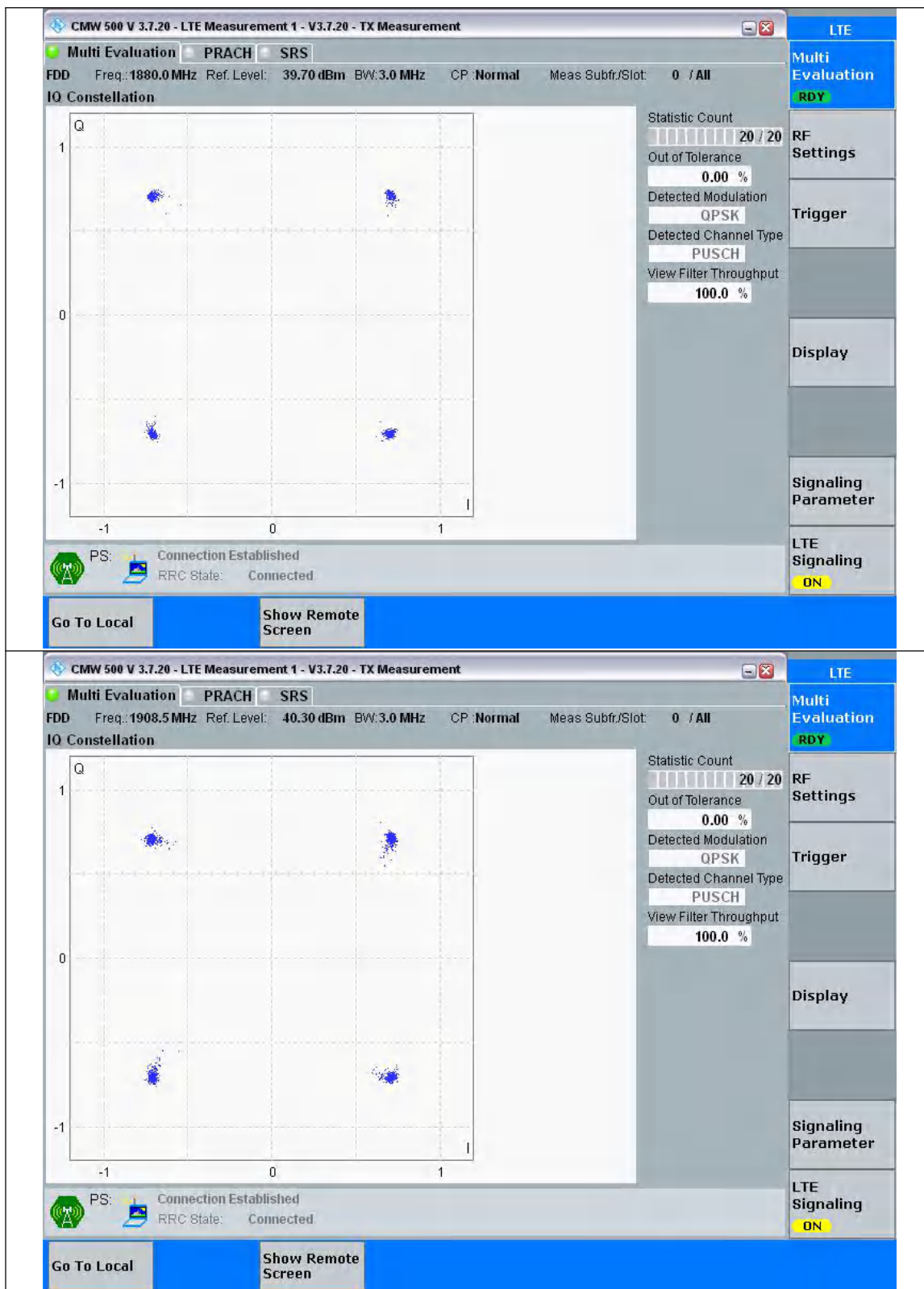




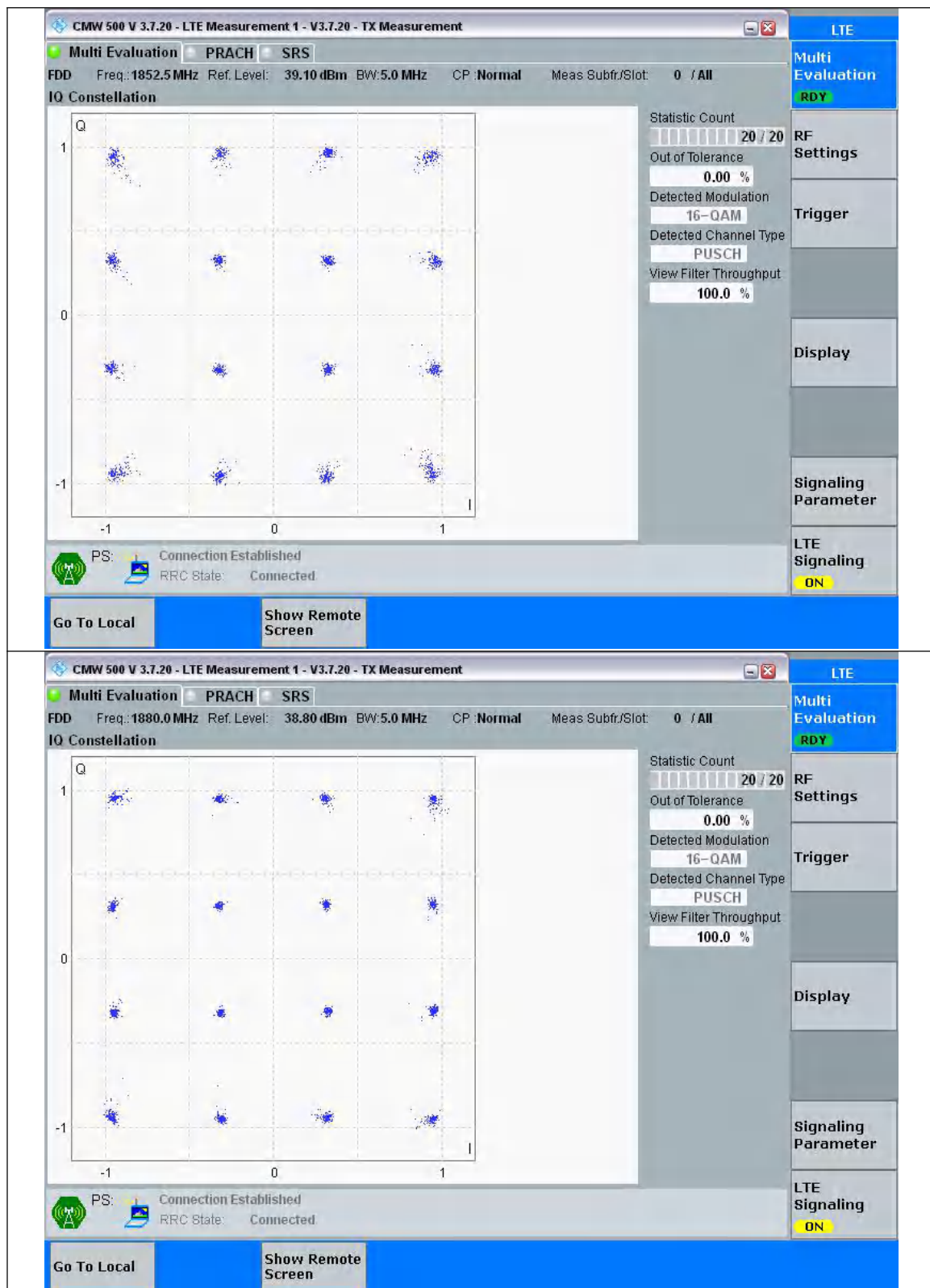
3.1 Test Graph

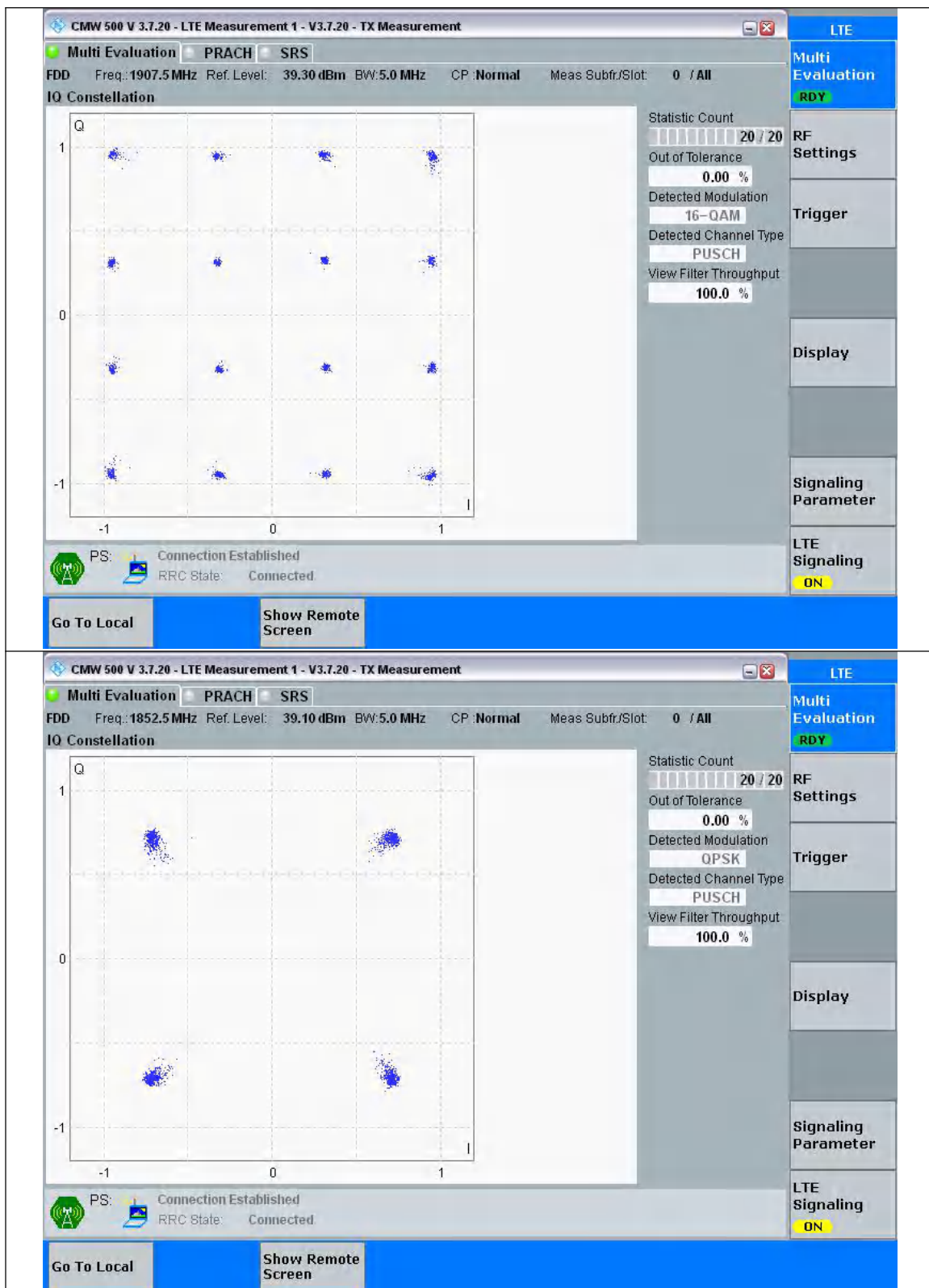


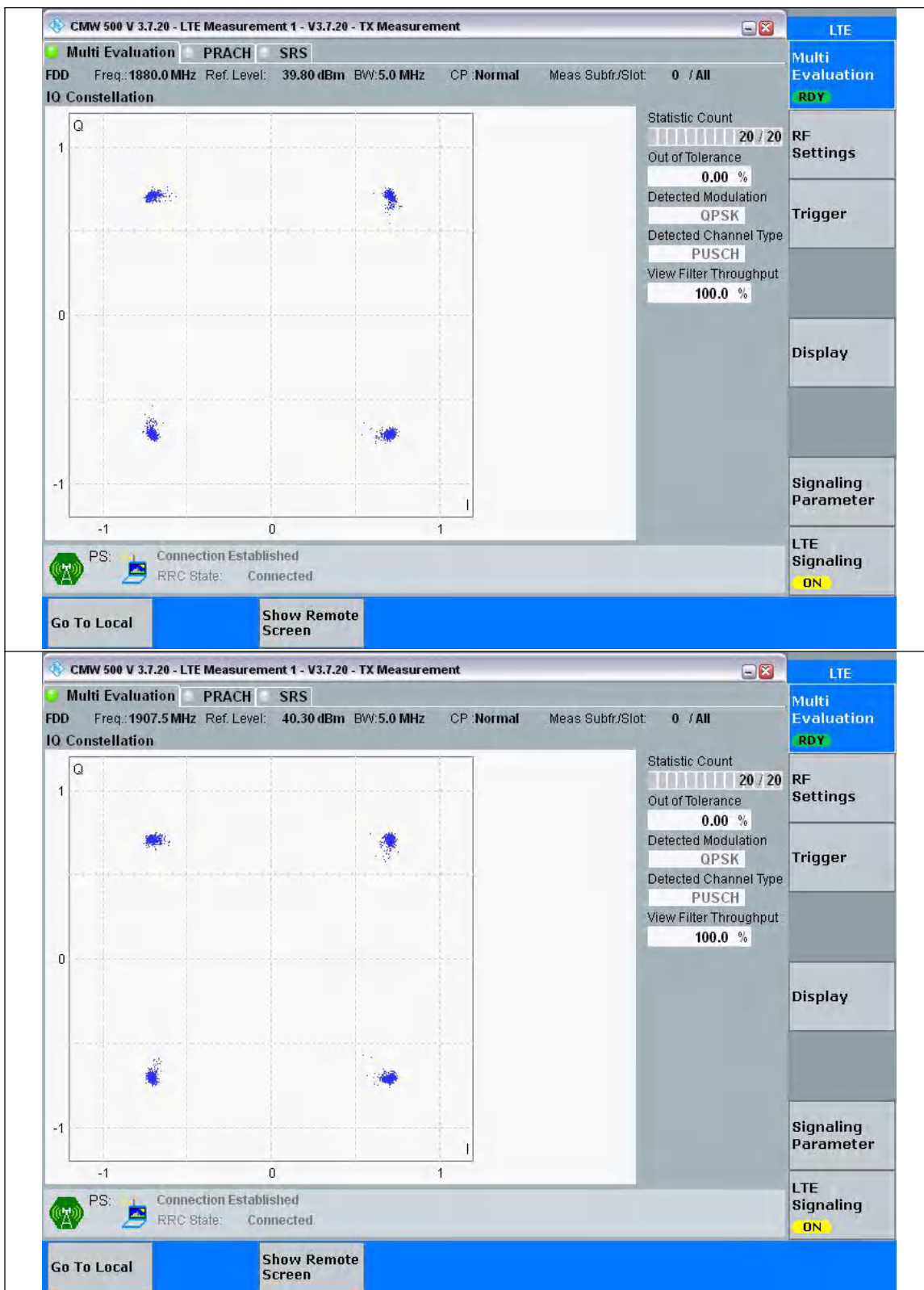




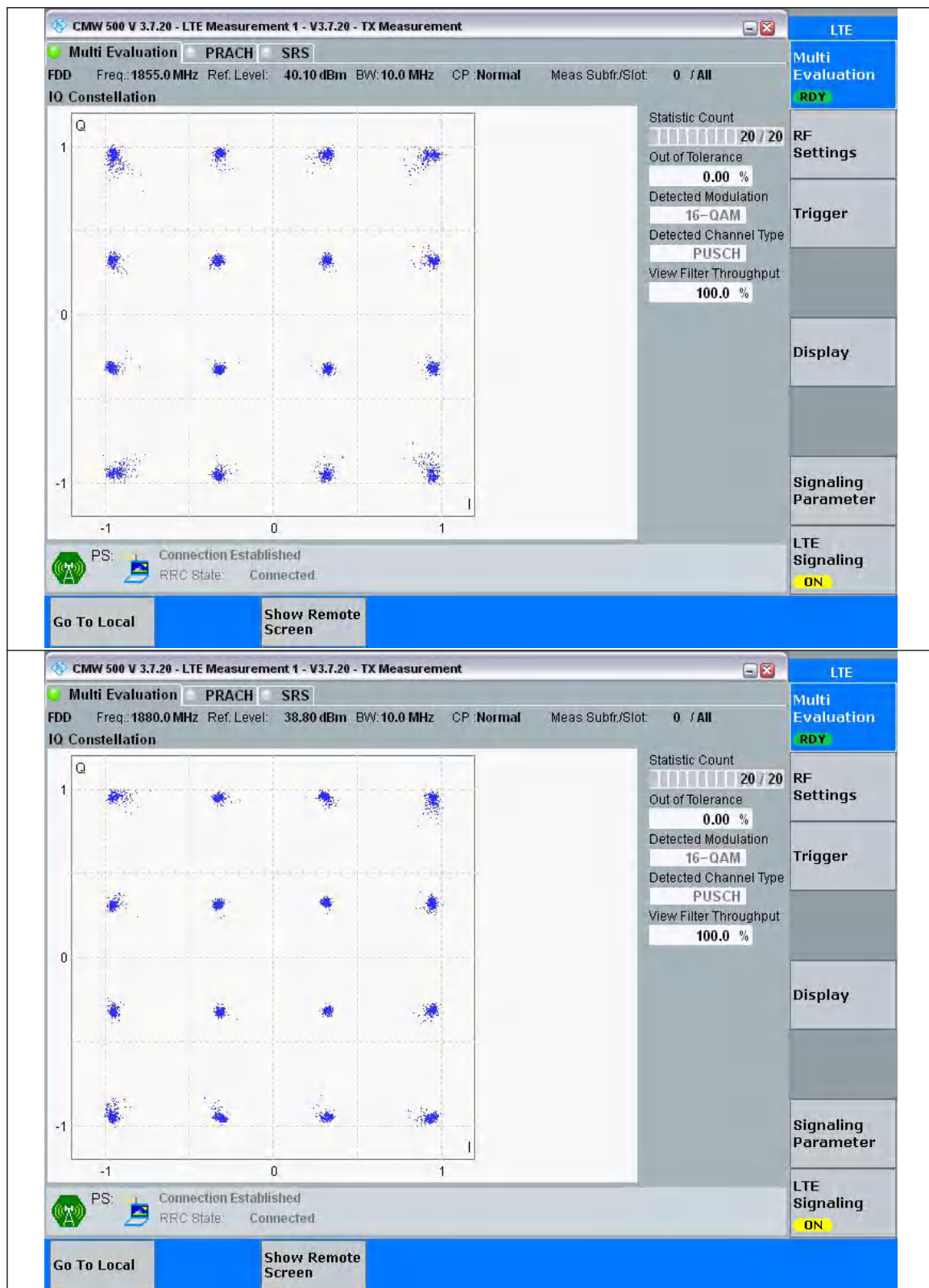
3.1 Test Graph

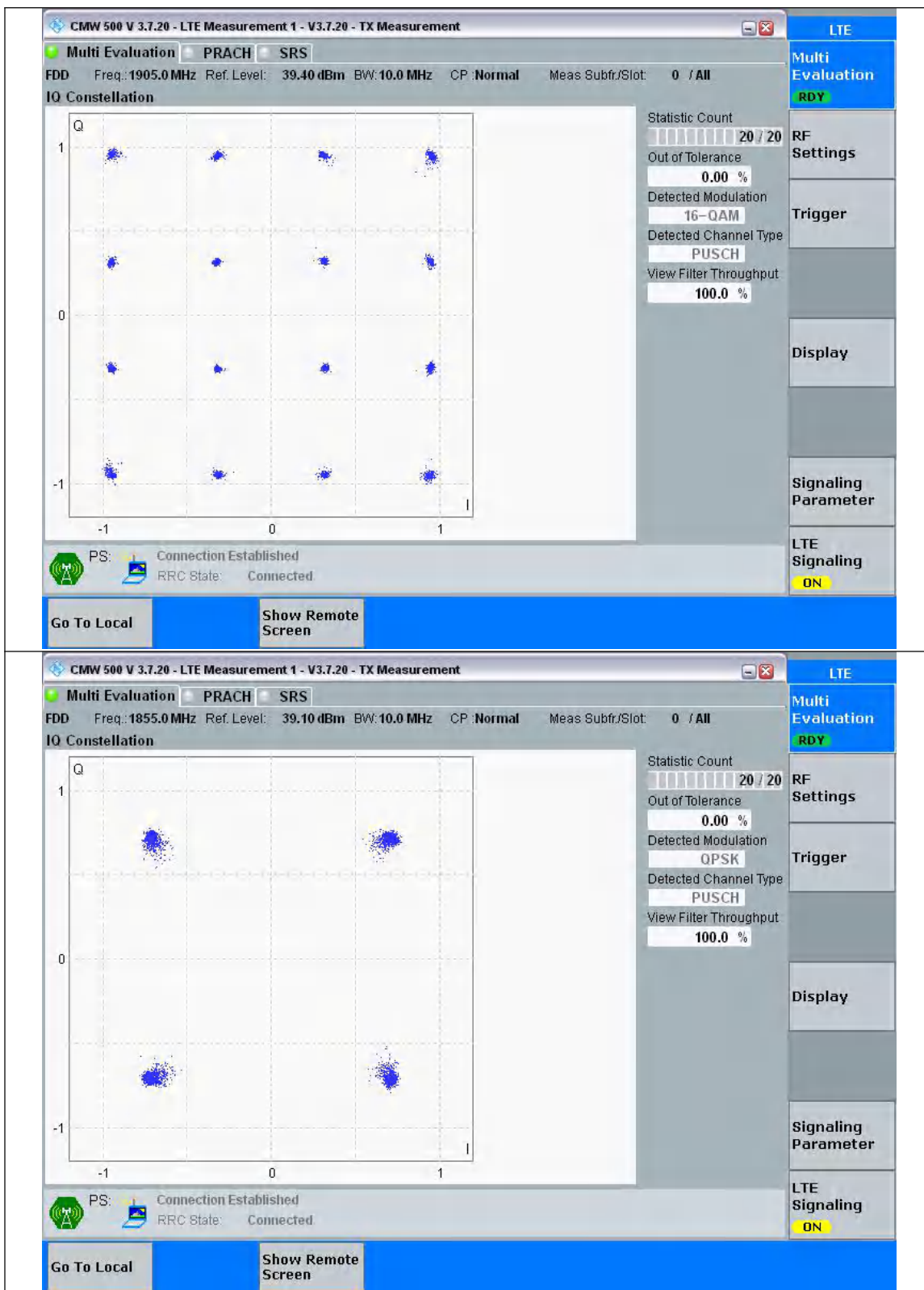


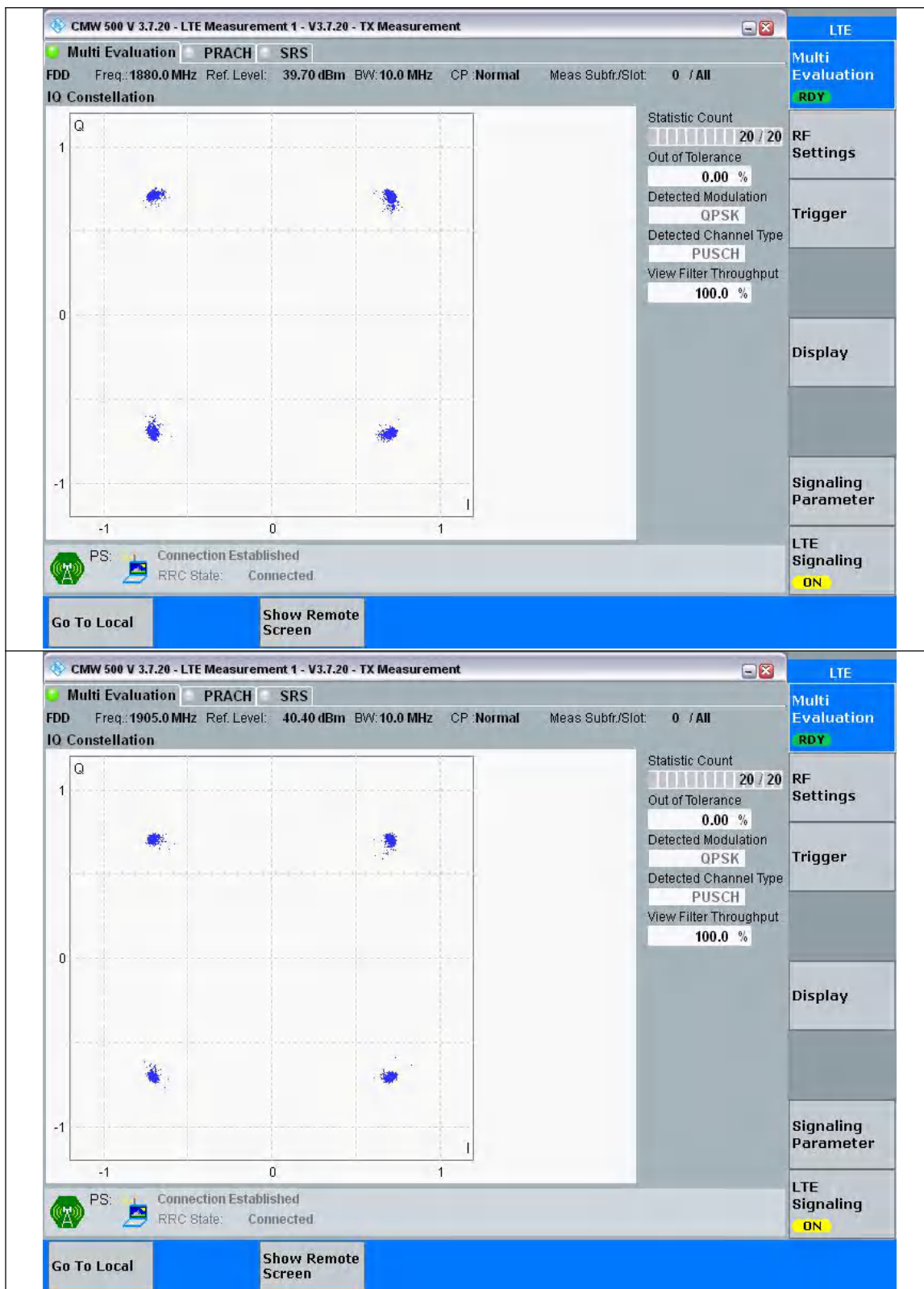




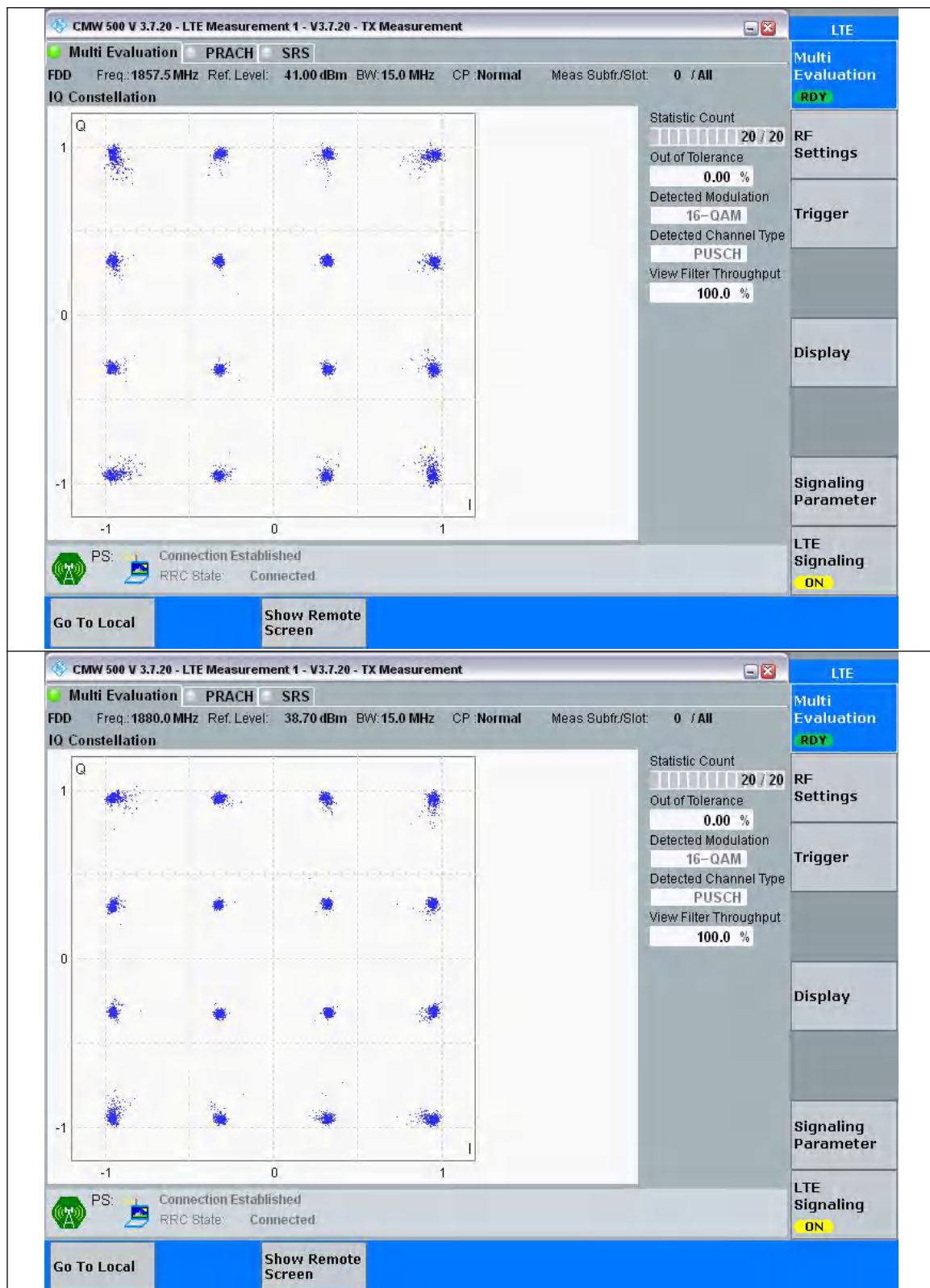
3.1 Test Graph

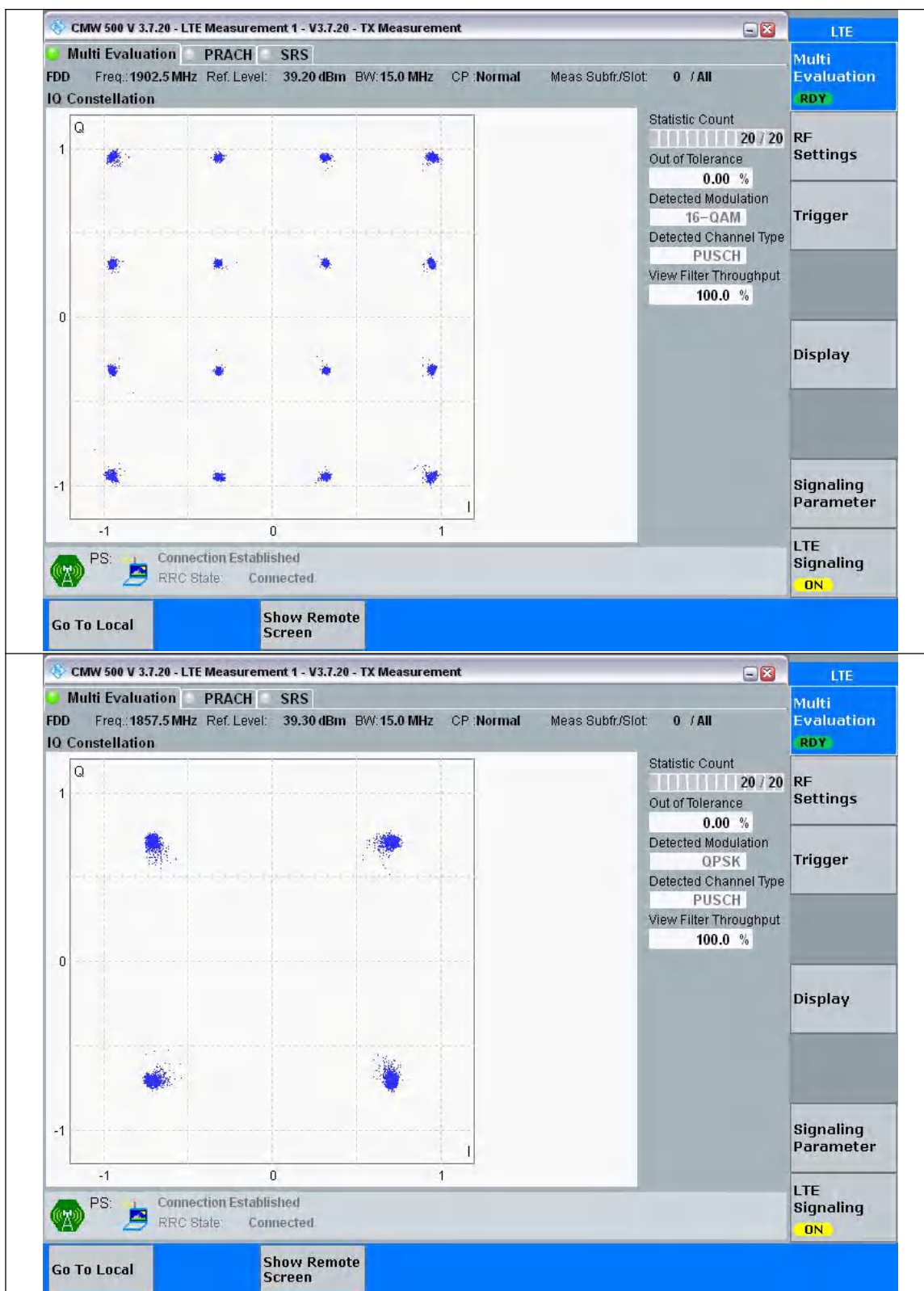


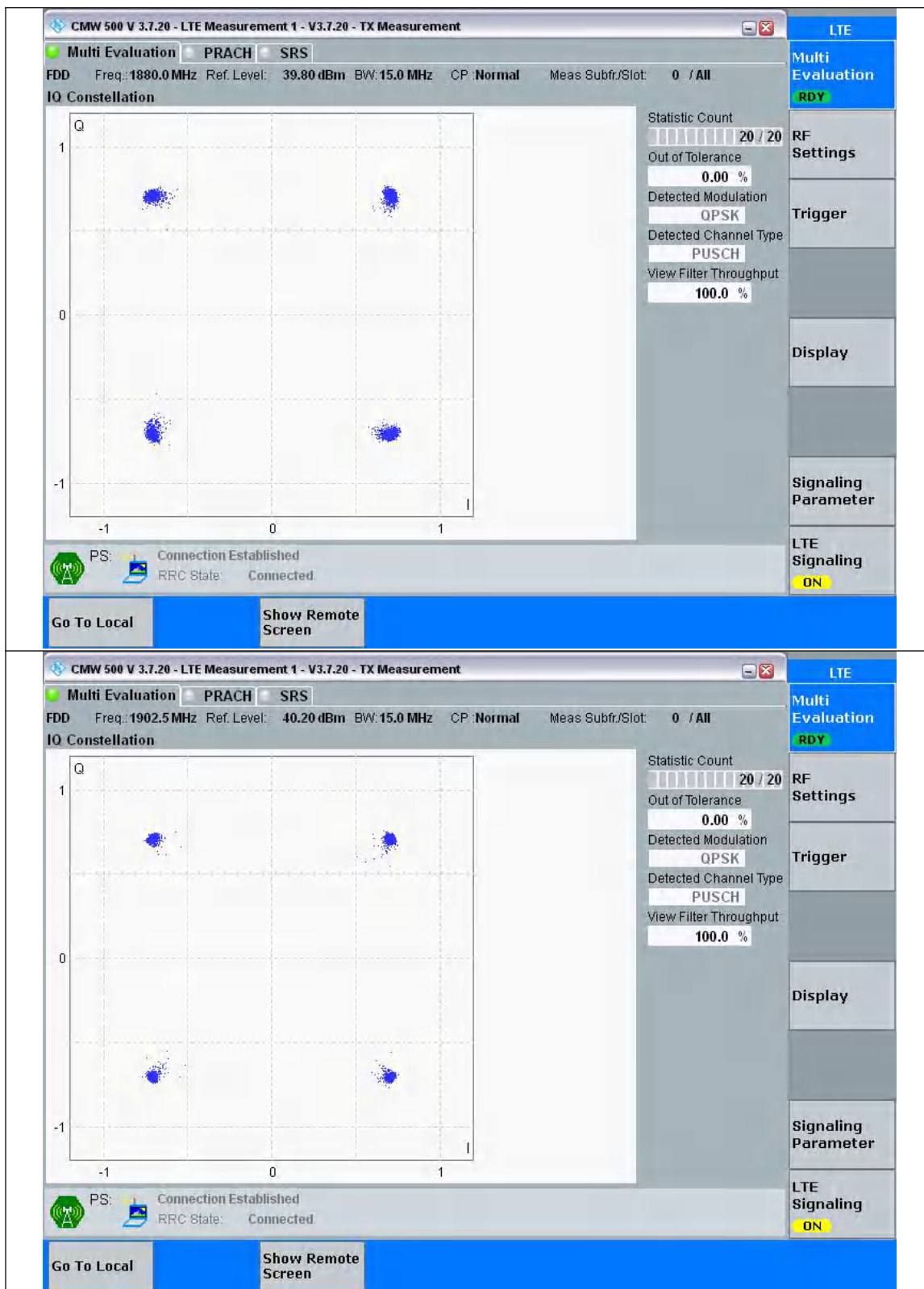




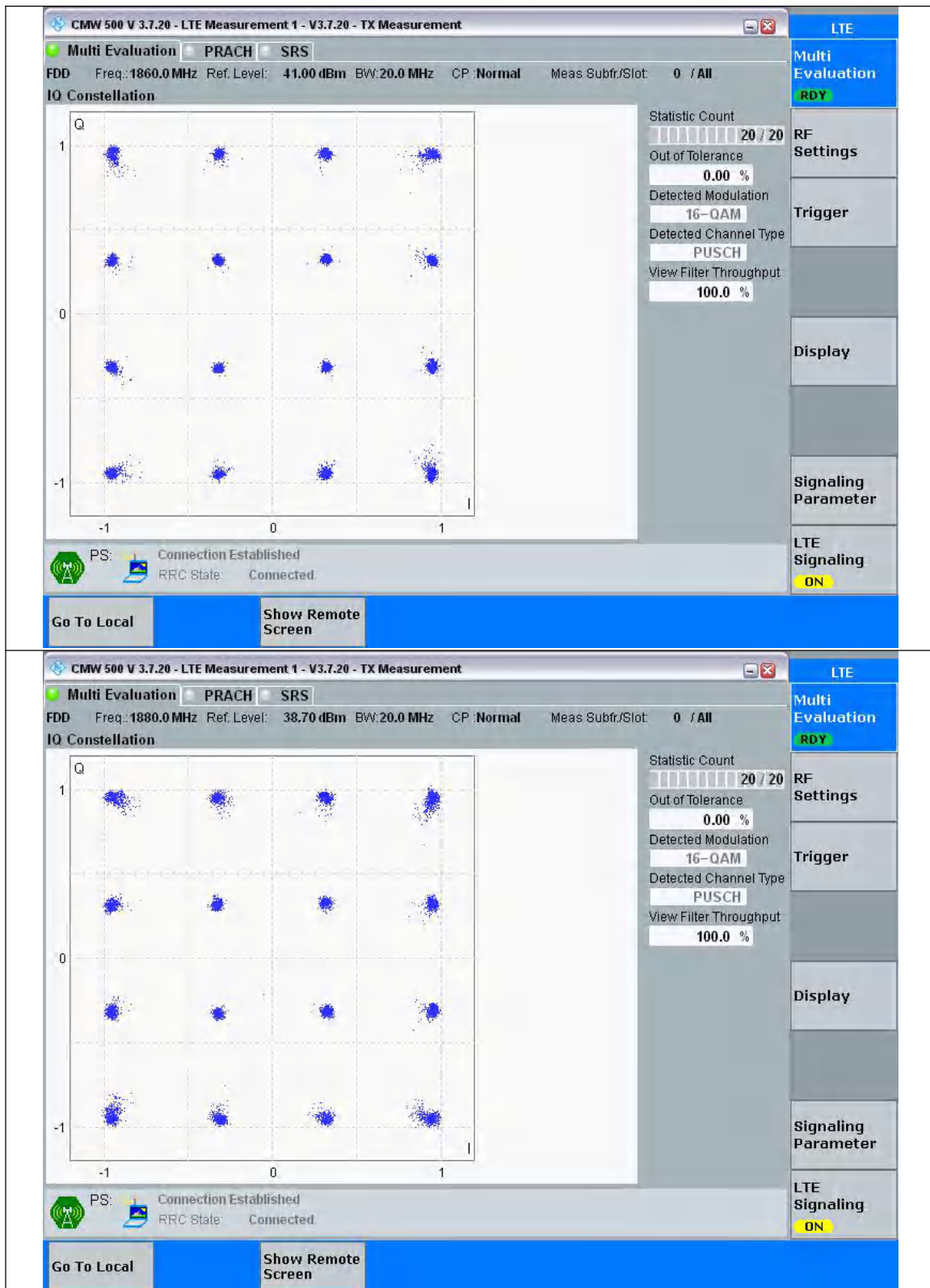
3.1 Test Graph

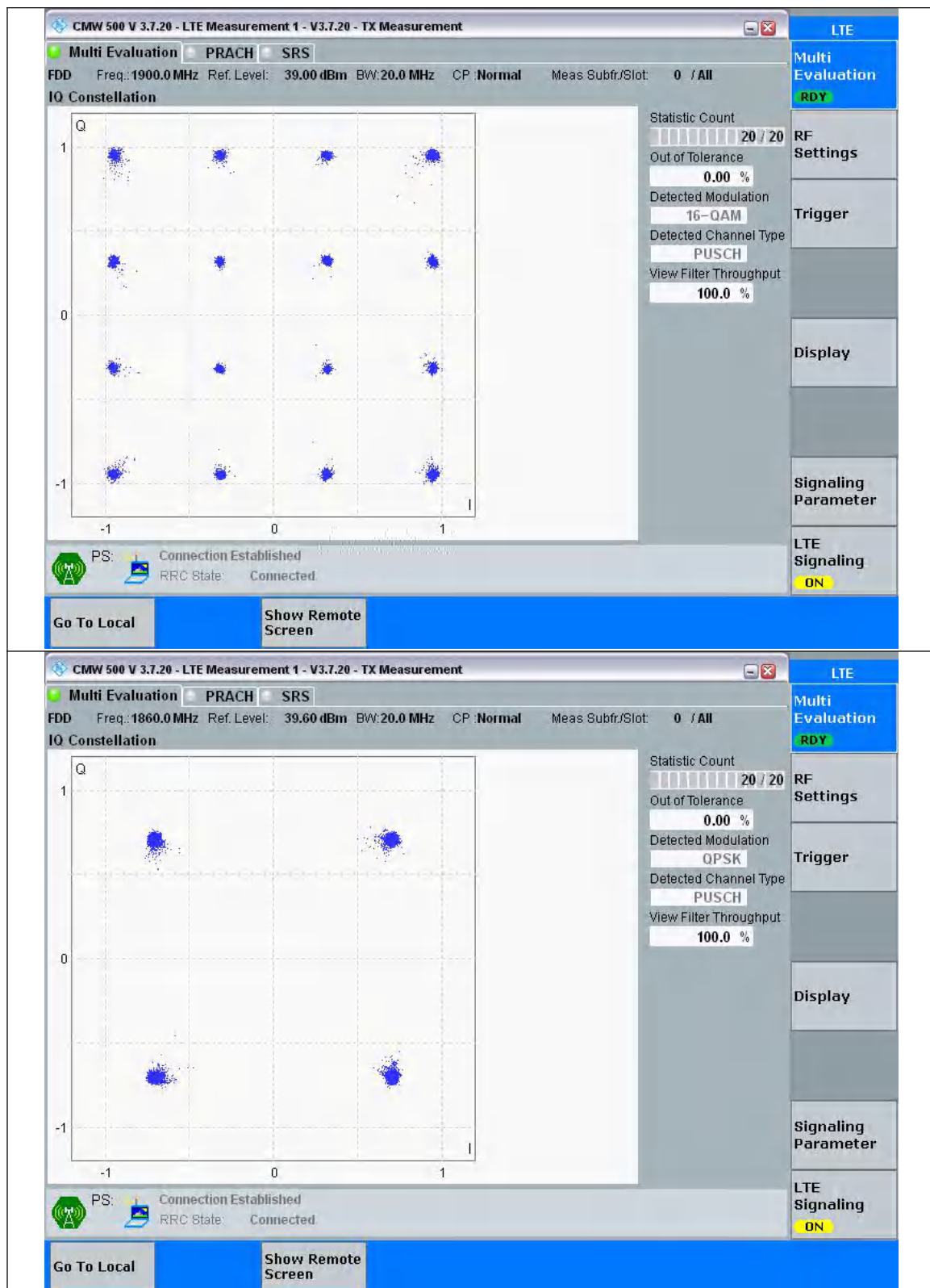


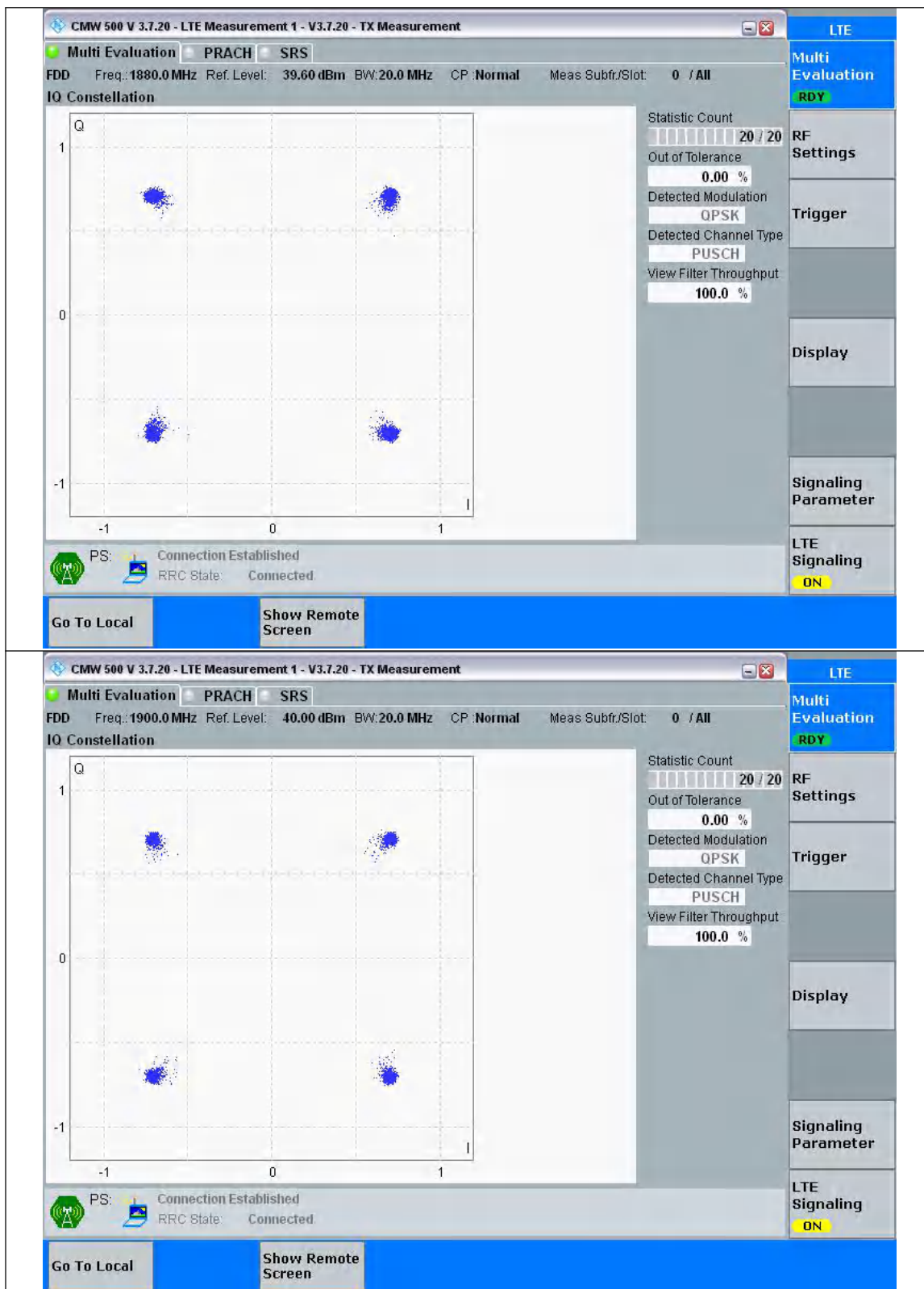




3.1 Test Graph





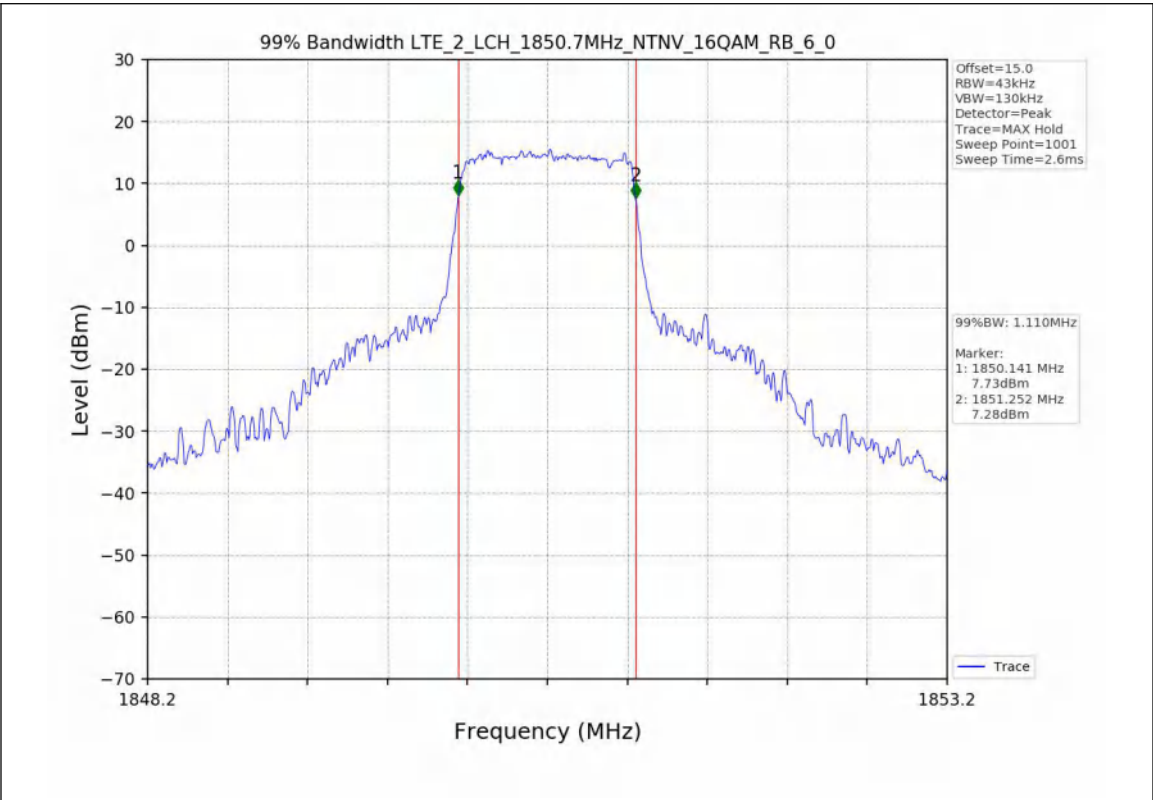


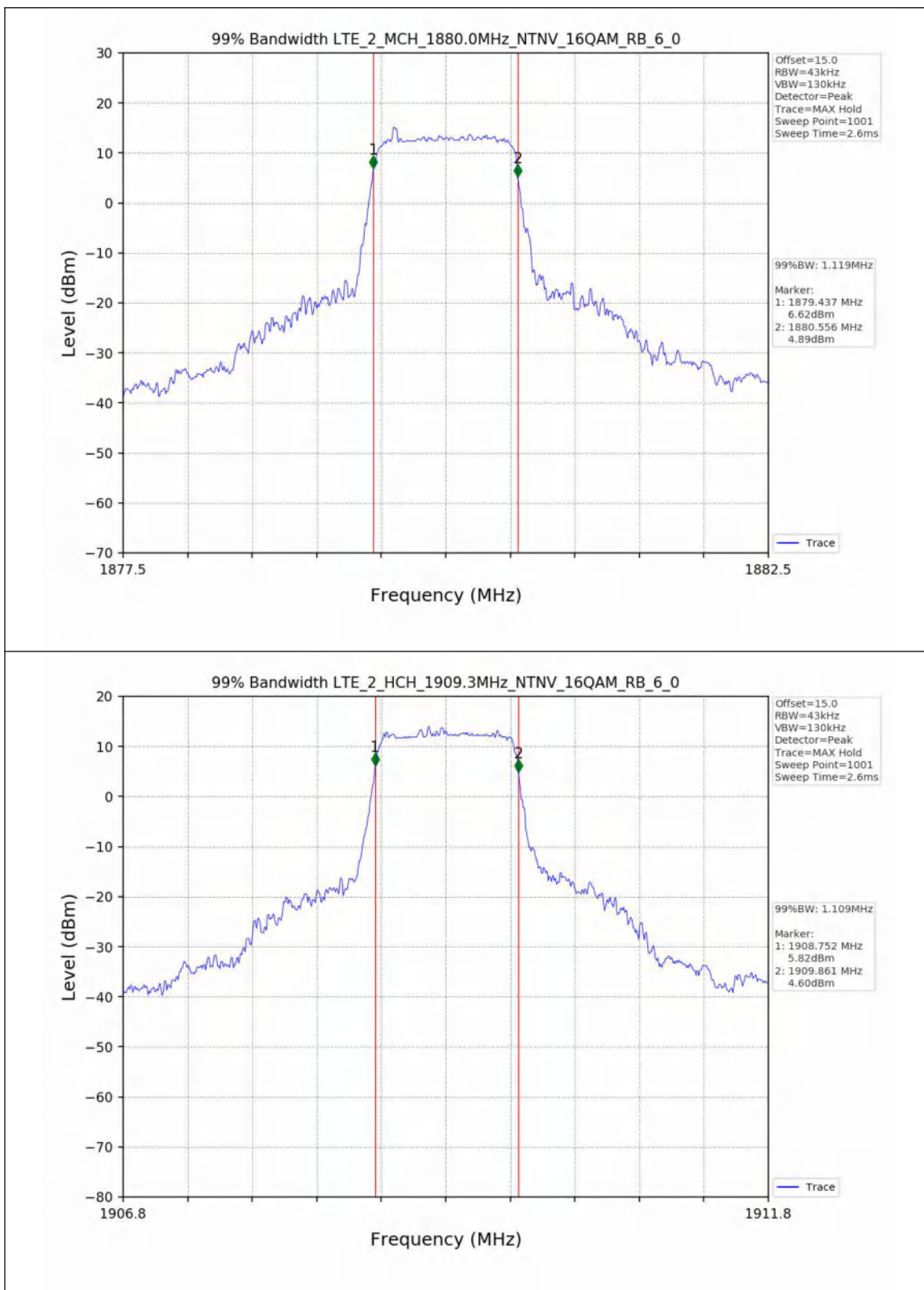
4. 99% & 26dB Bandwidth

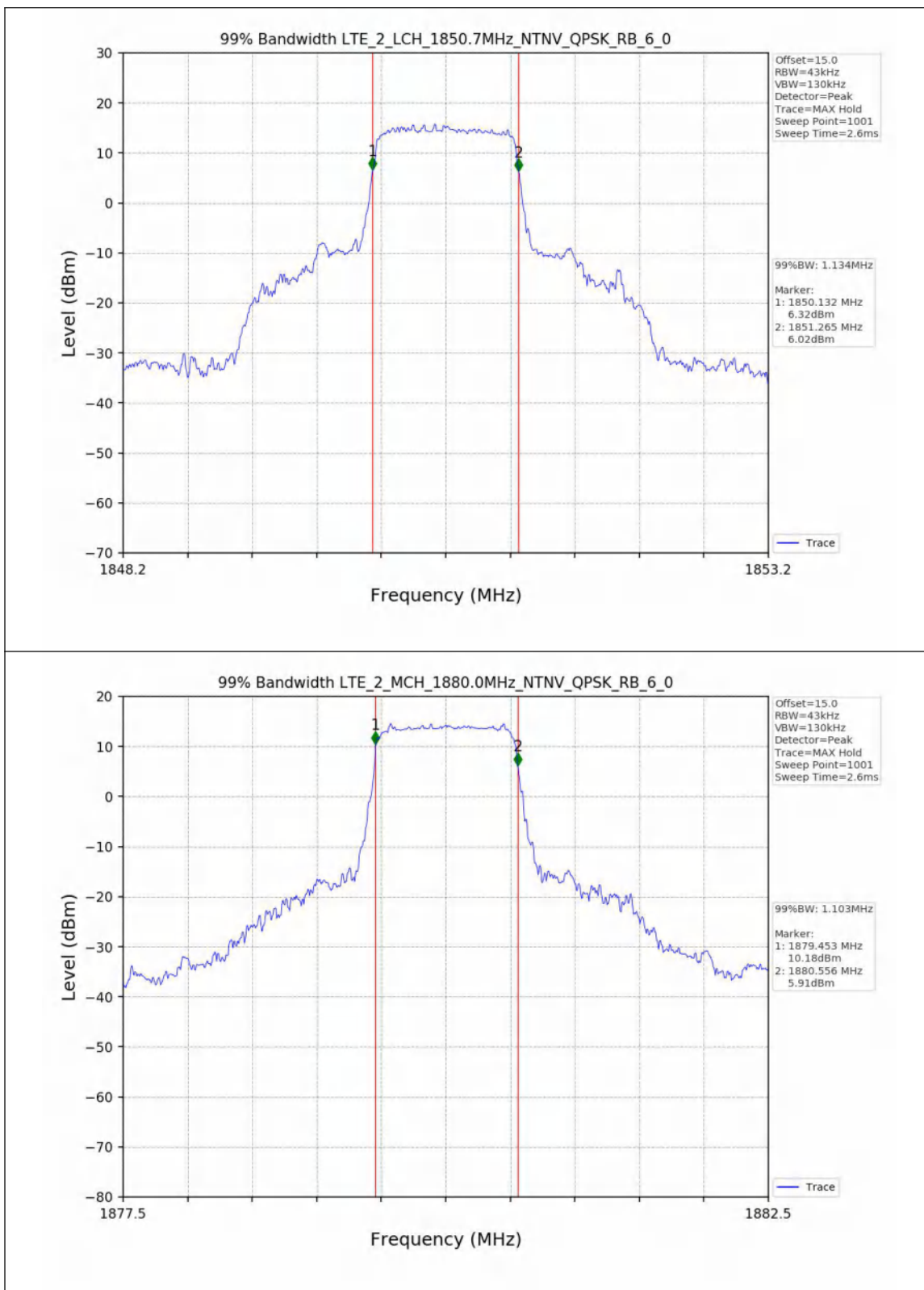
4.1 Test Result

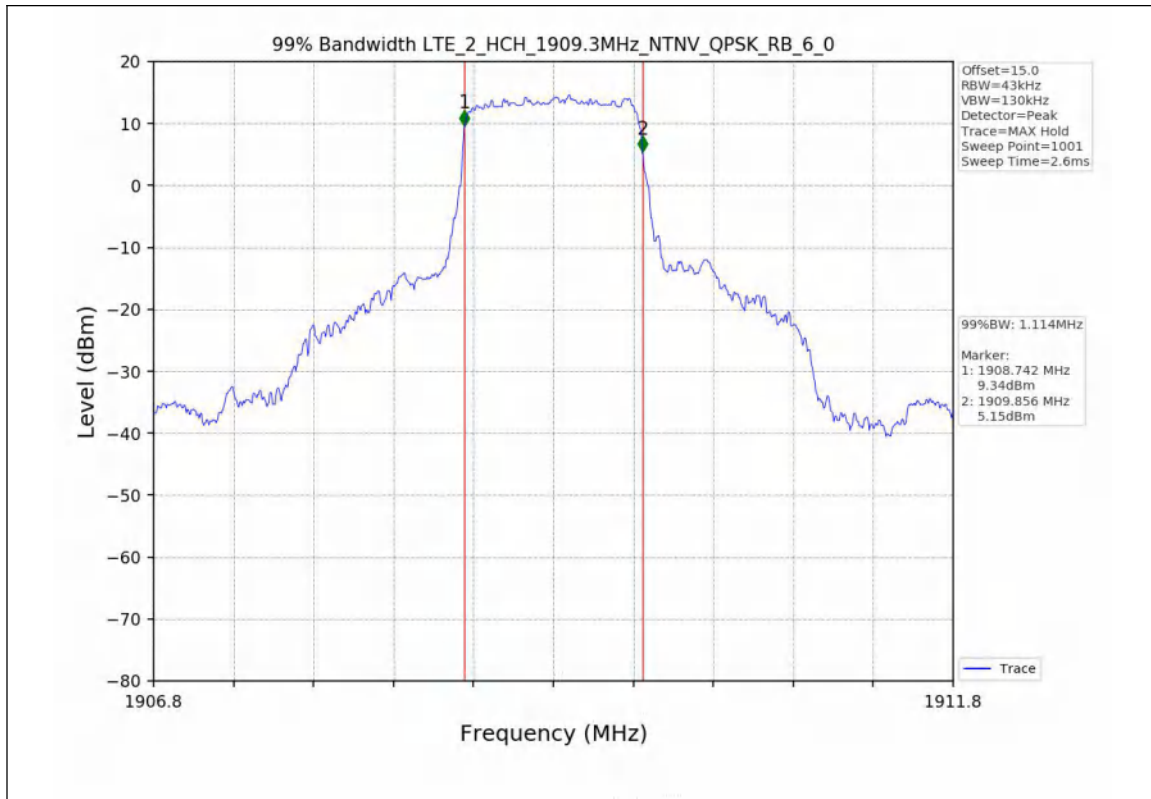
Test Band: 2_1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.134	1.103	1.114	N/A	PASS
16QAM	6	0	1.110	1.119	1.109	N/A	PASS

4.2 Test Graph



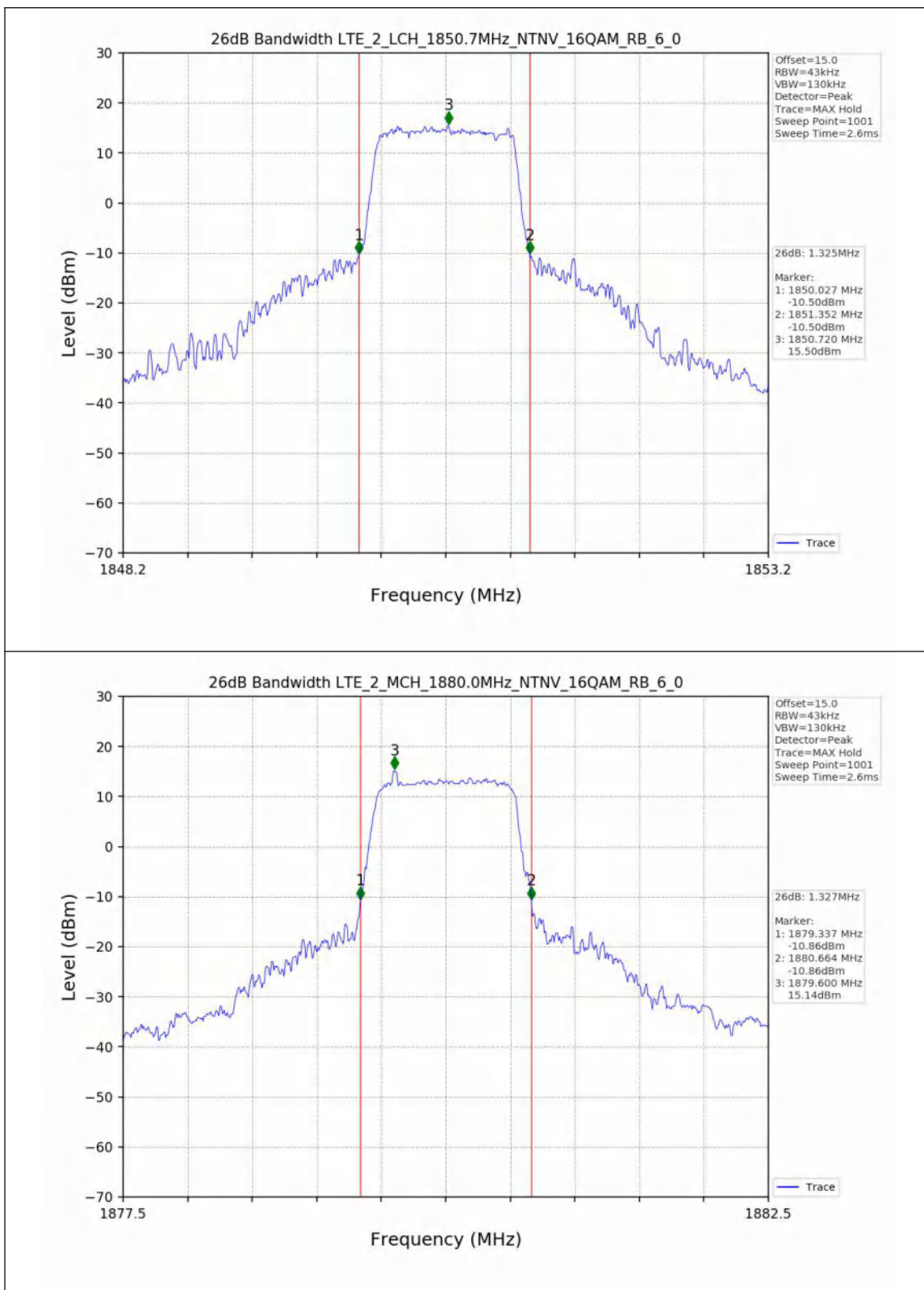


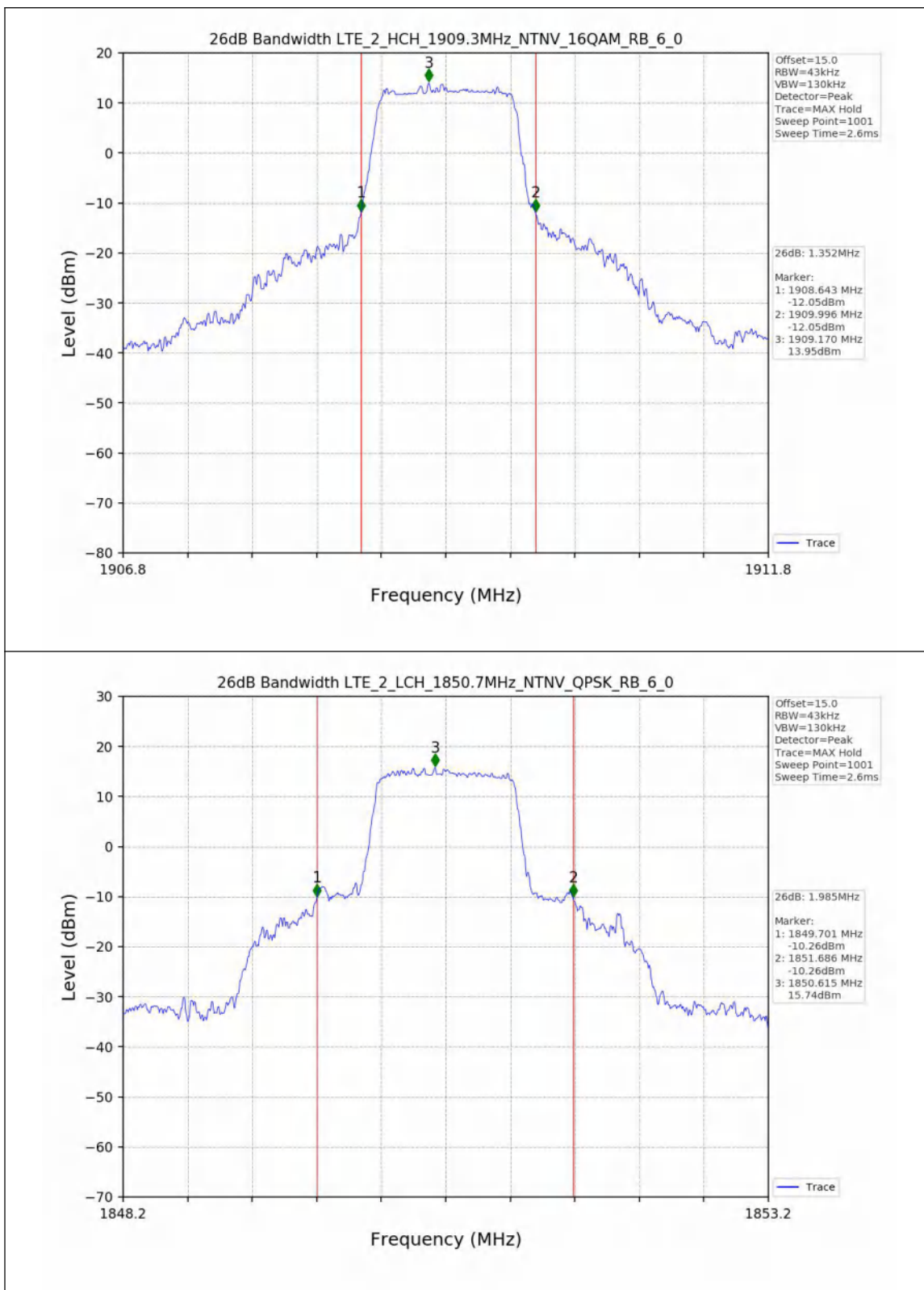


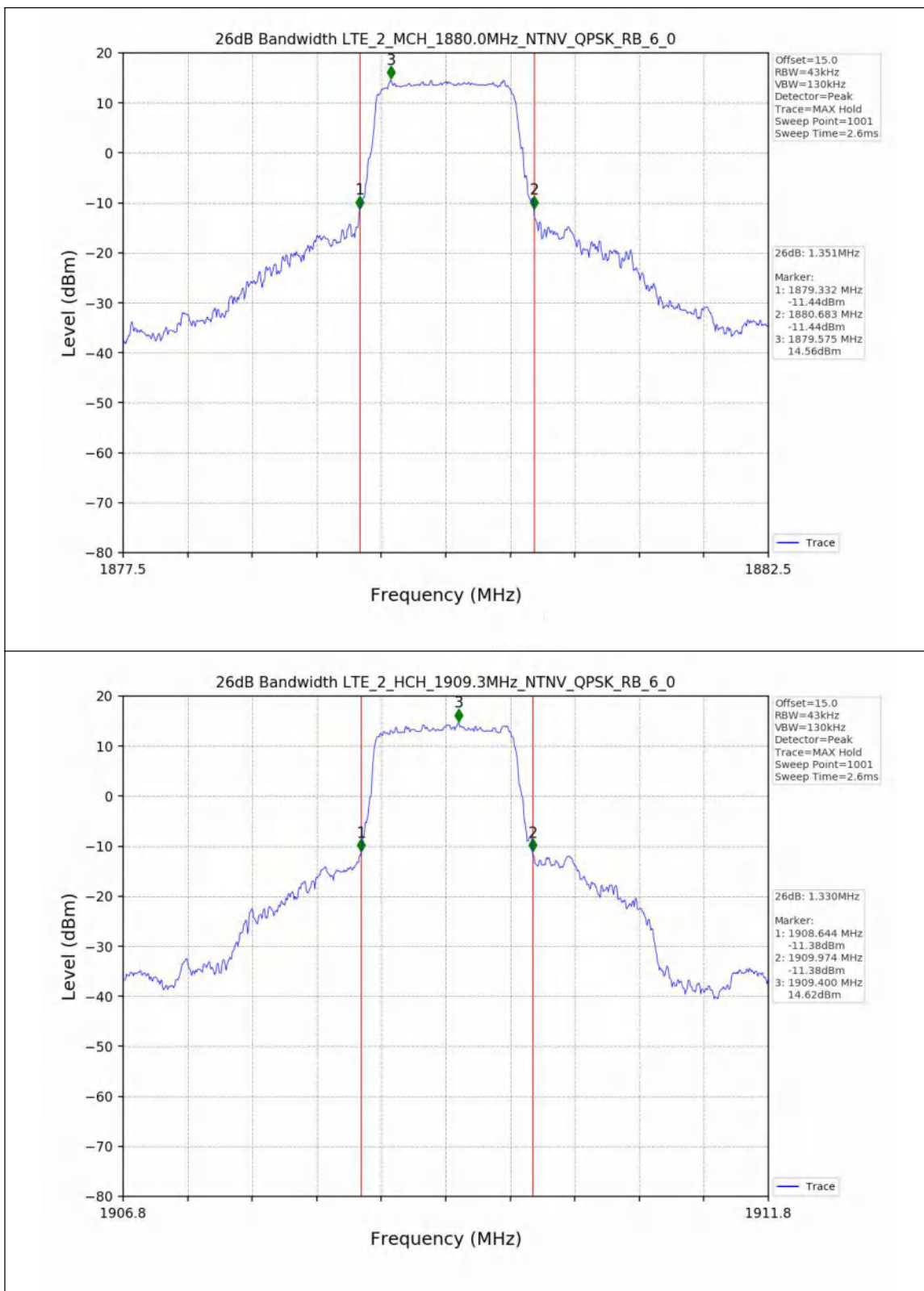


Test Band: 2_1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.985	1.351	1.330	N/A	PASS
16QAM	6	0	1.325	1.327	1.352	N/A	PASS

4.2 Test Graph



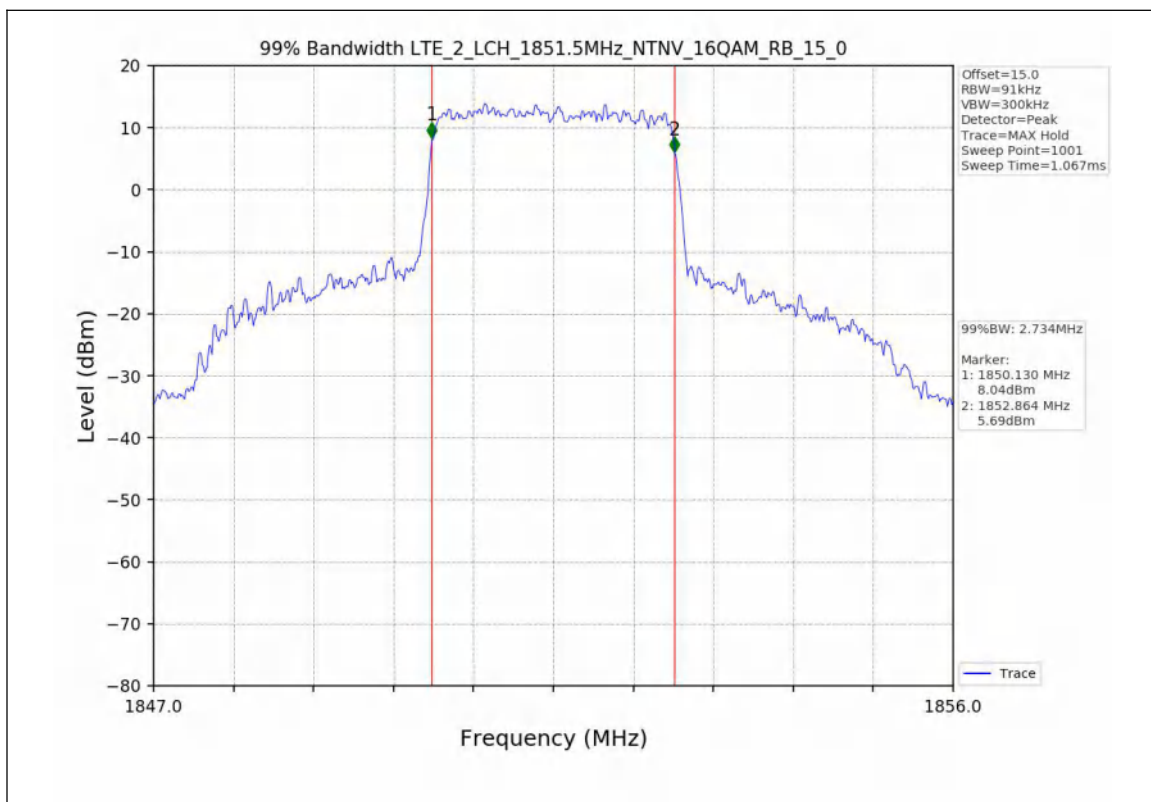


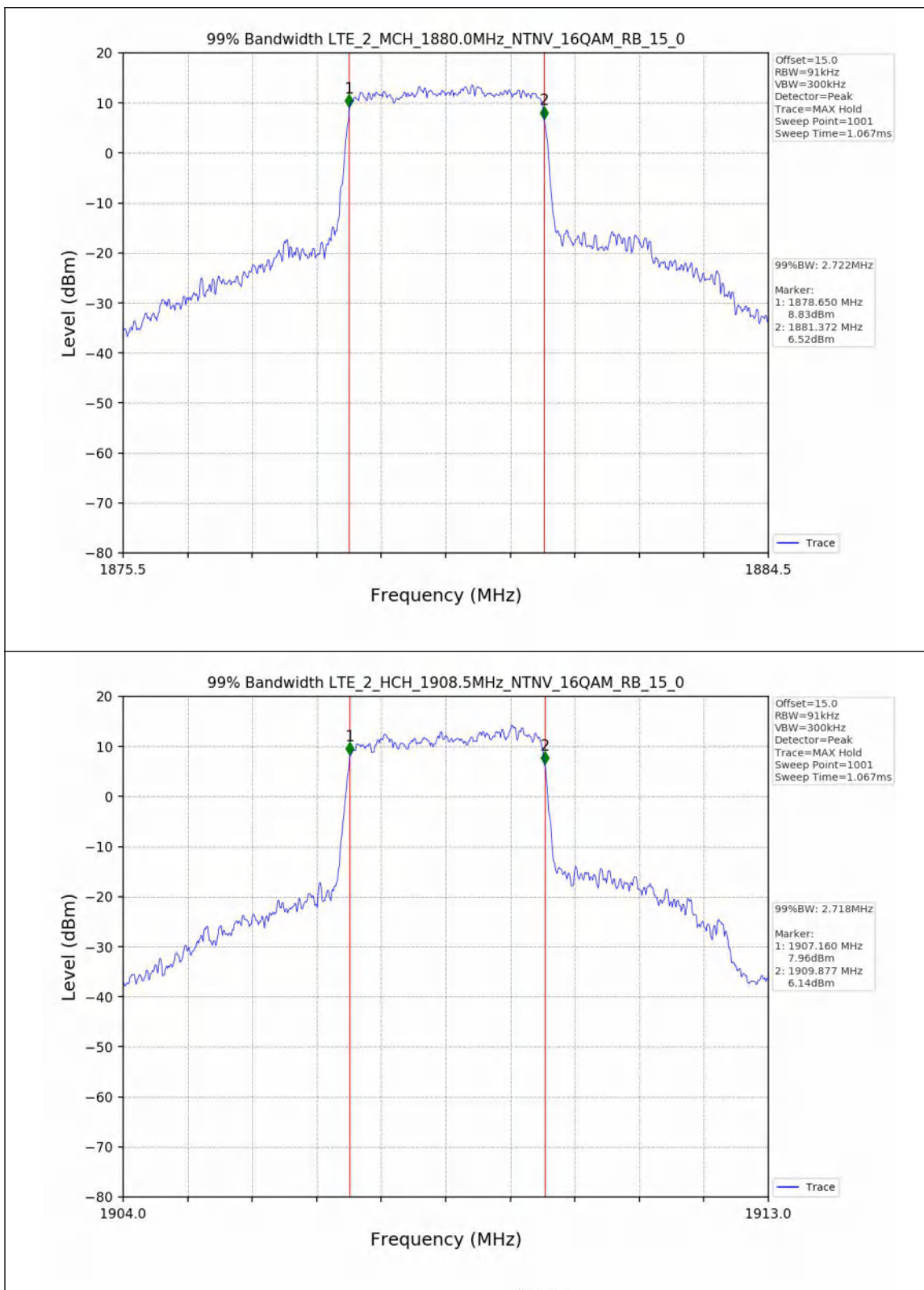


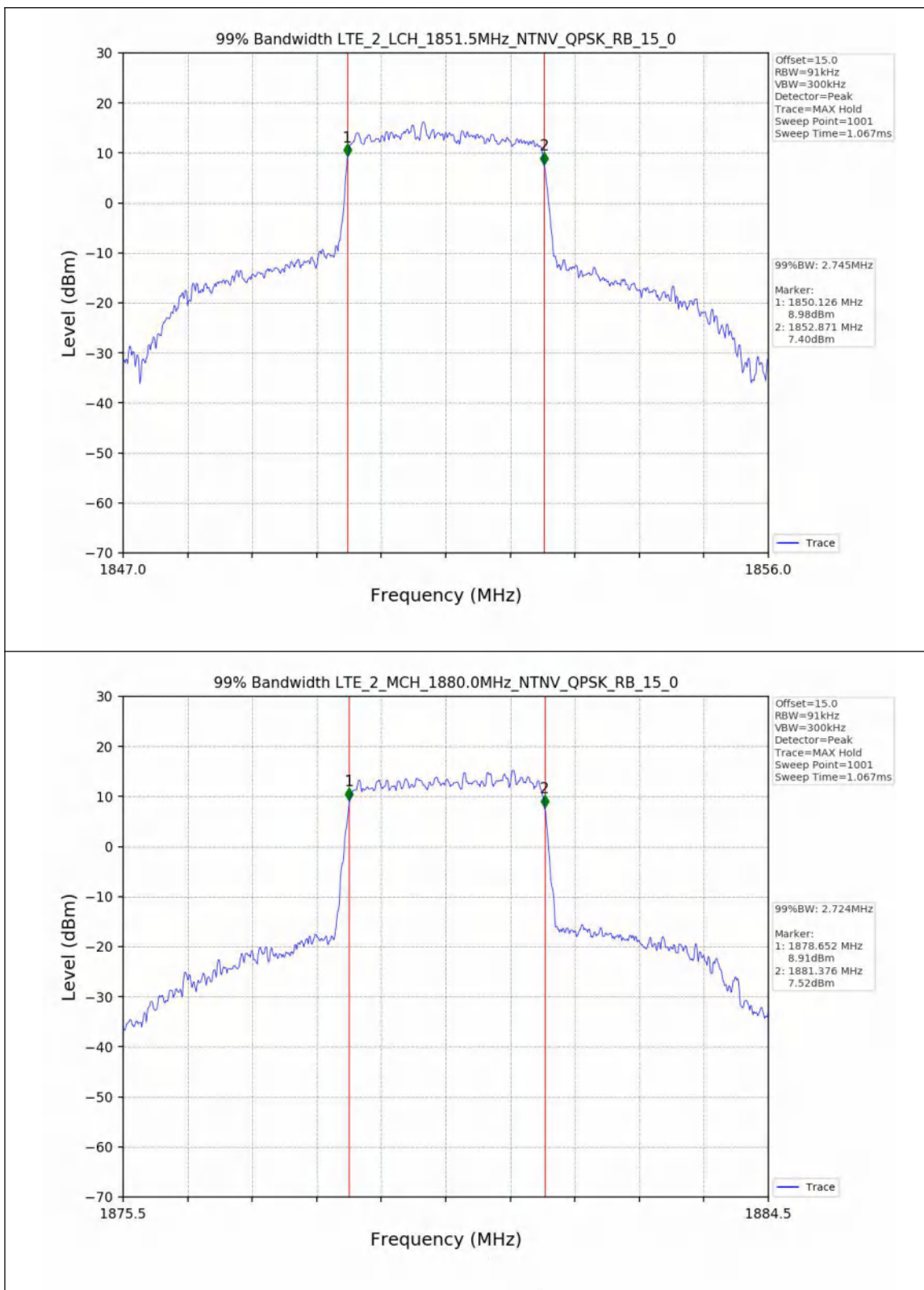
Test Band: 2_3MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

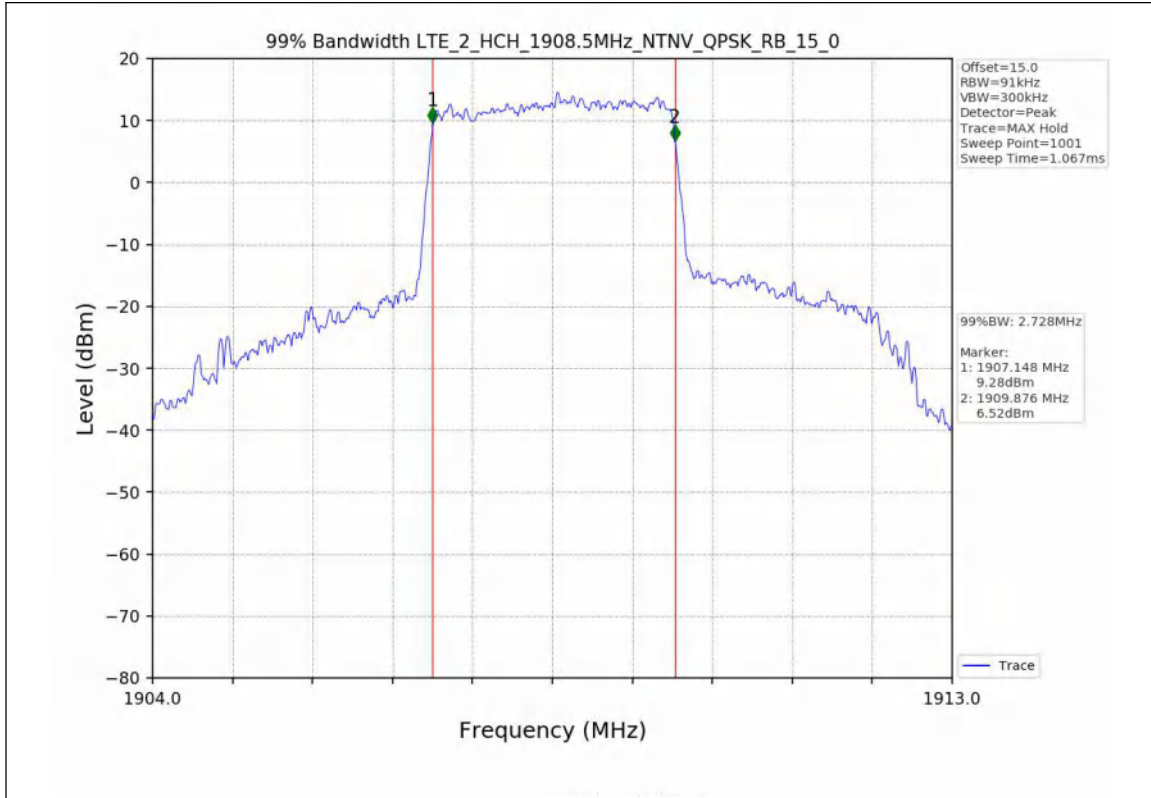
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.745	2.724	2.728	N/A	PASS
16QAM	15	0	2.734	2.722	2.718	N/A	PASS

4.2 Test Graph



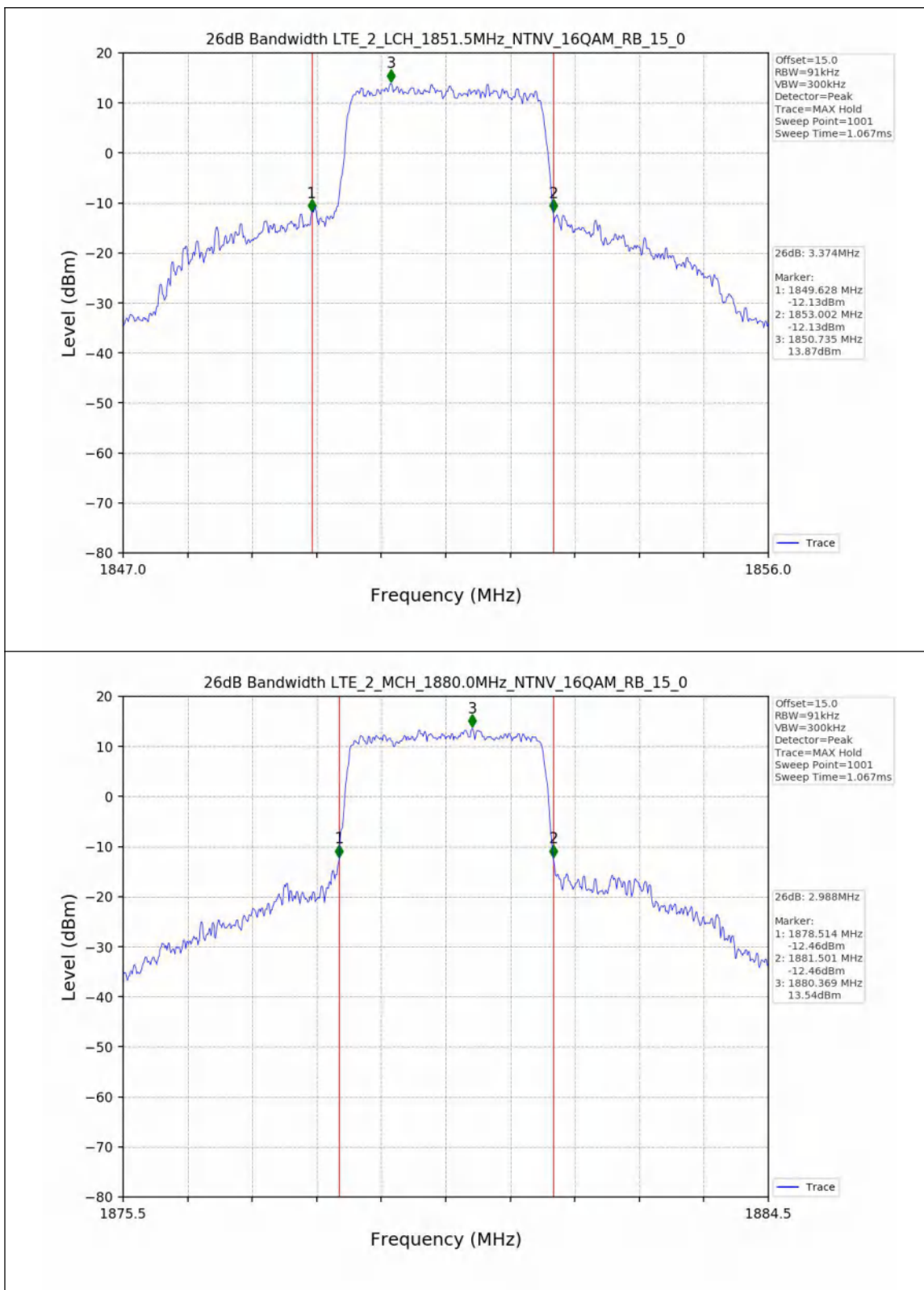


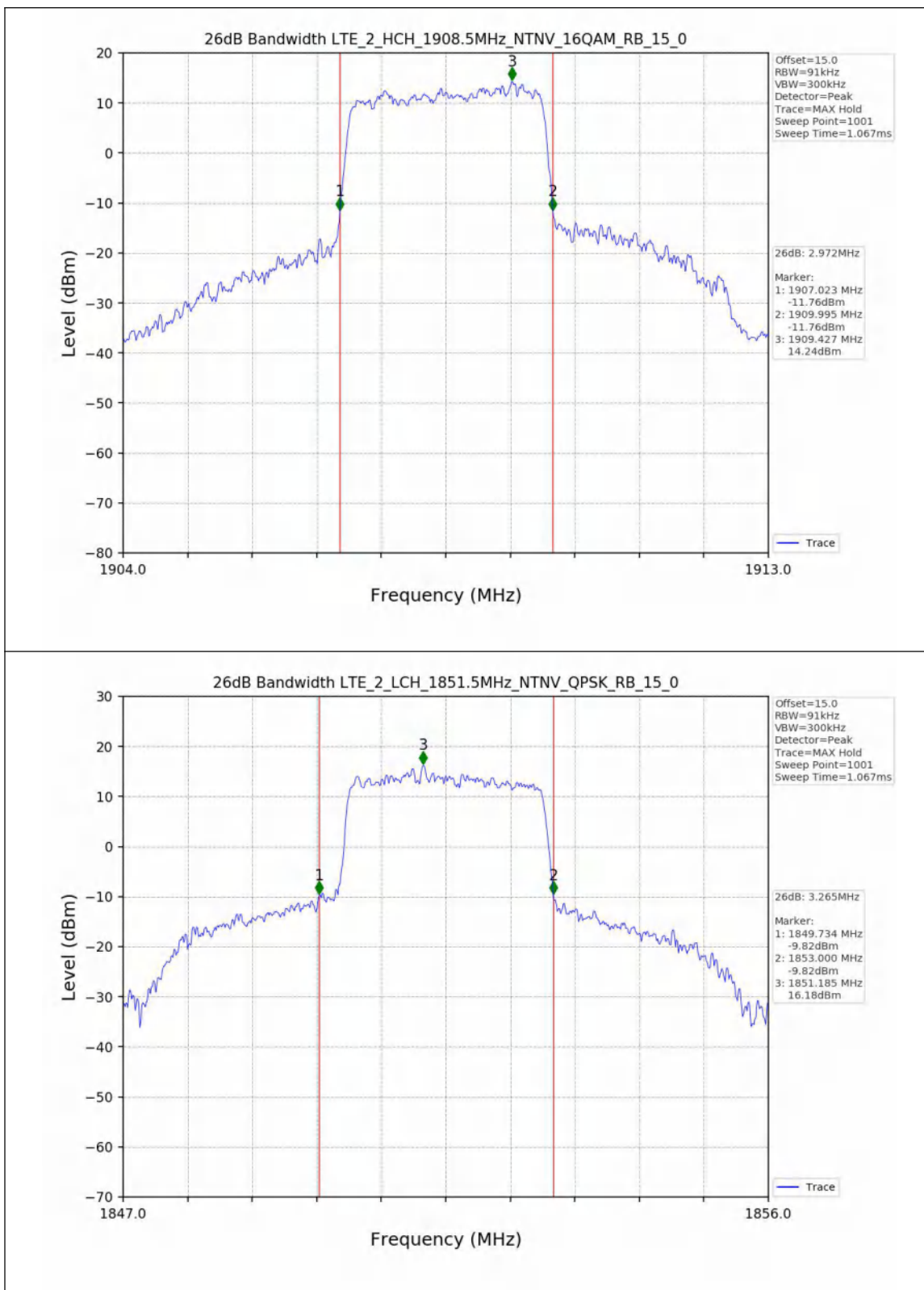


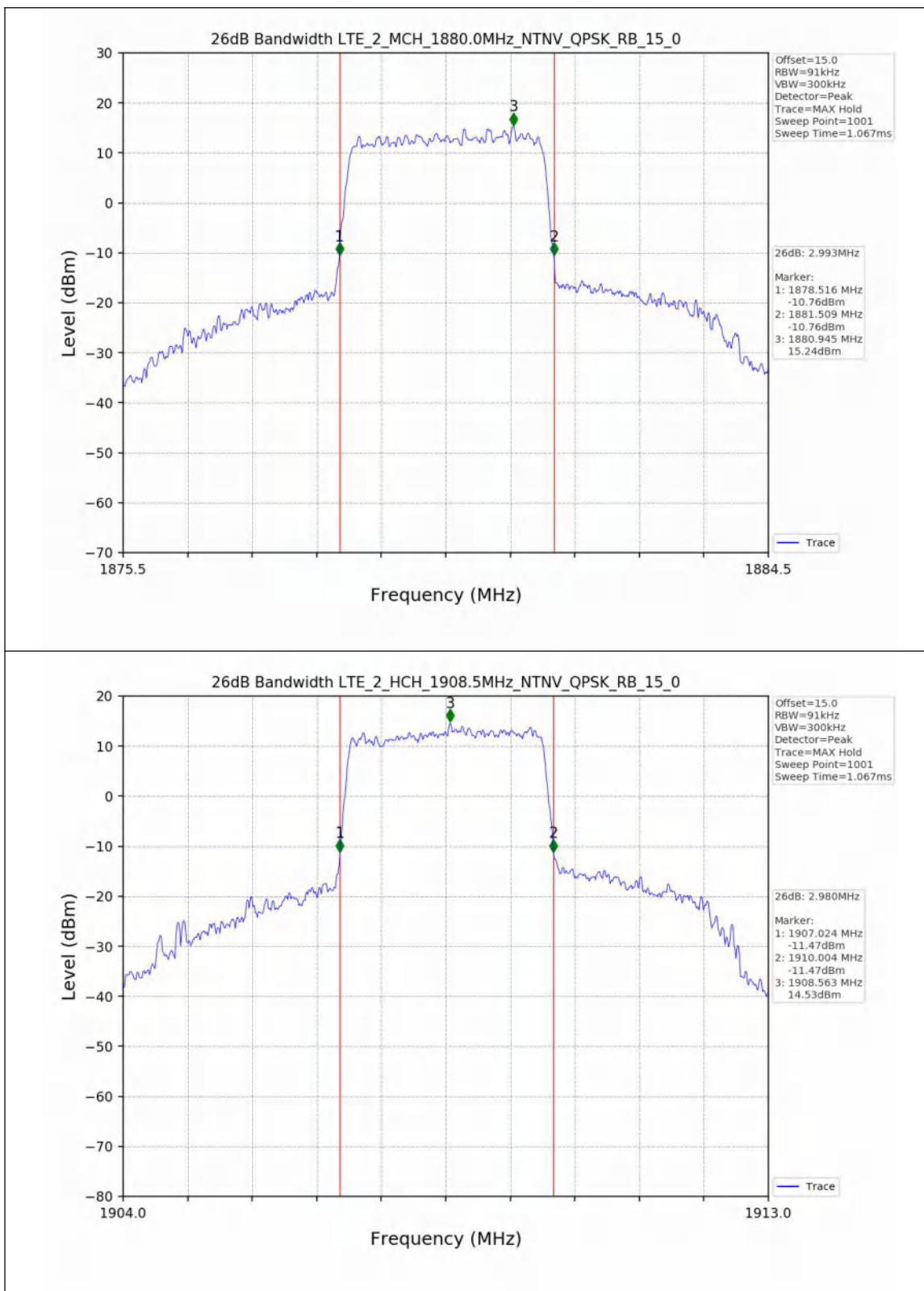


Test Band: 2_3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	3.265	2.993	2.980	N/A	PASS
16QAM	15	0	3.374	2.988	2.972	N/A	PASS

4.2 Test Graph



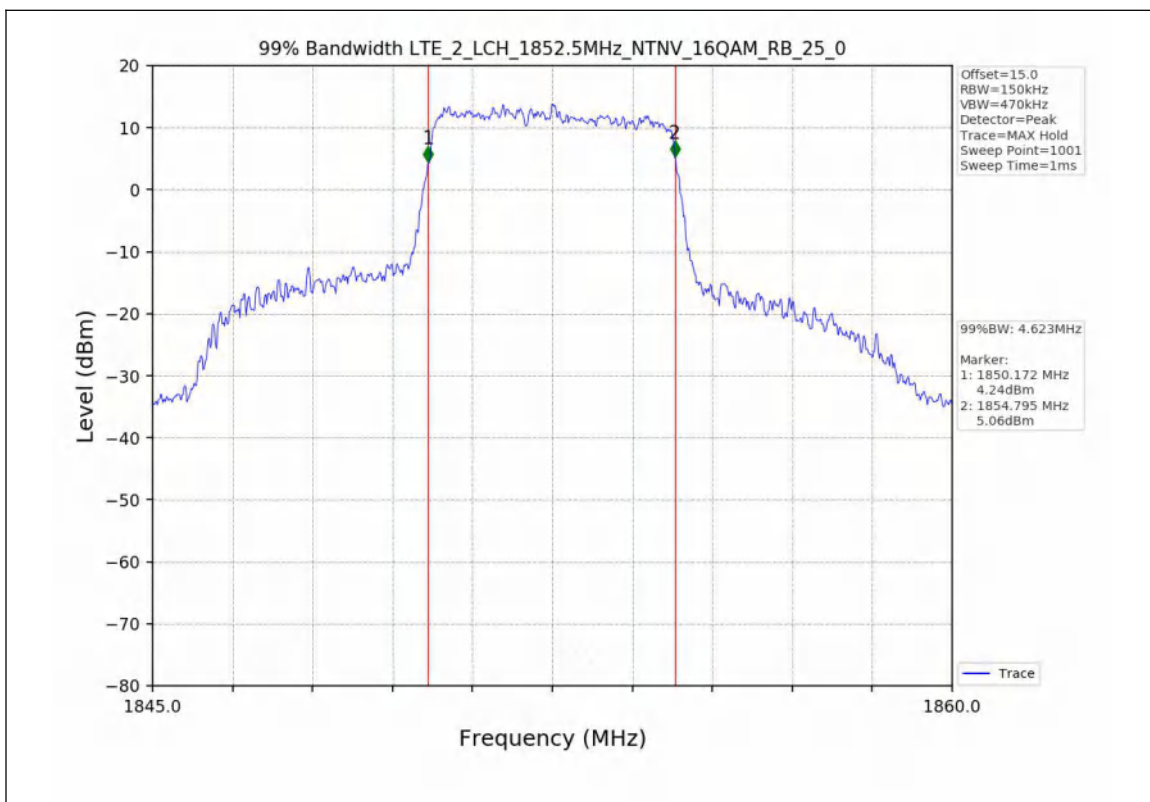


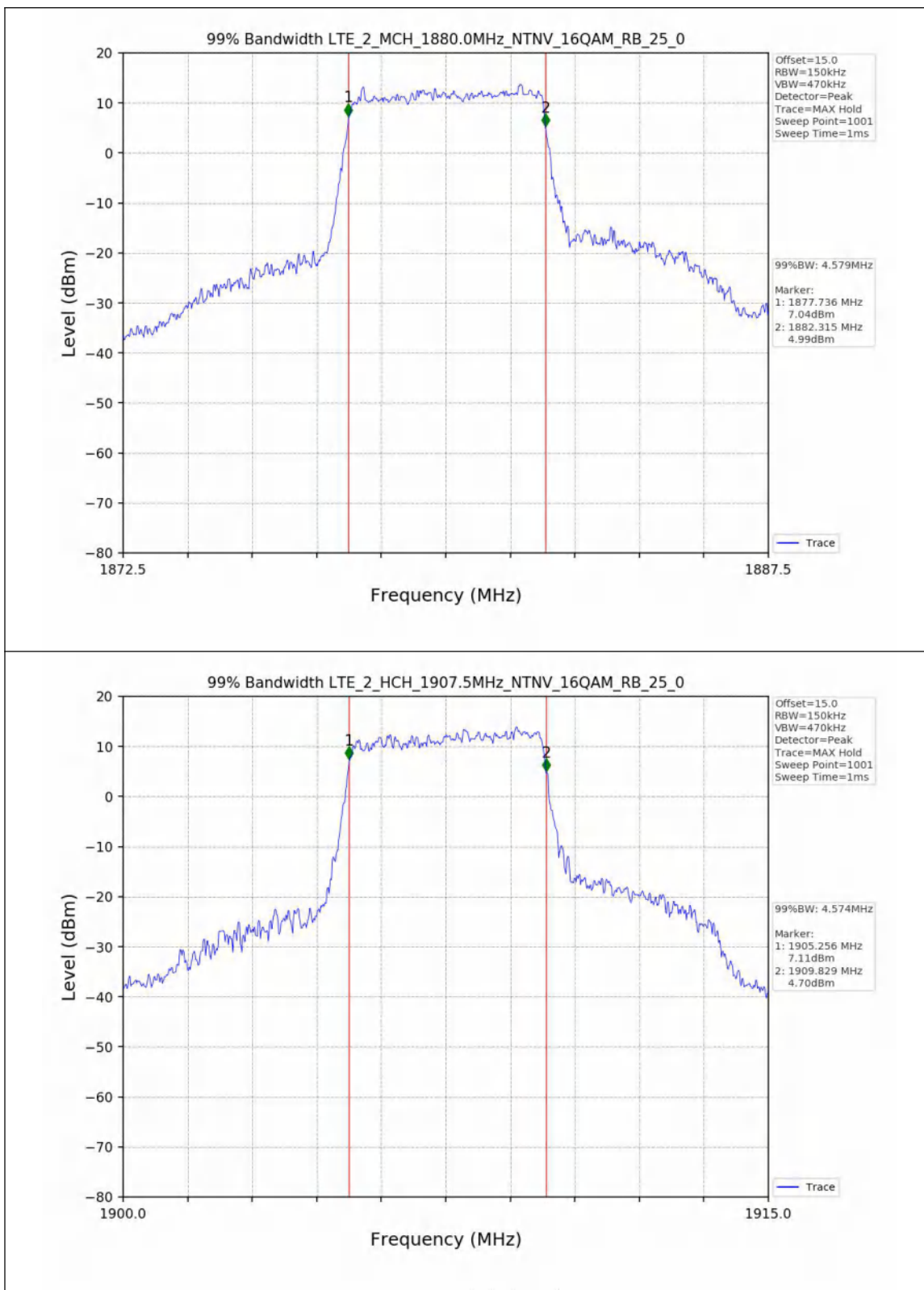


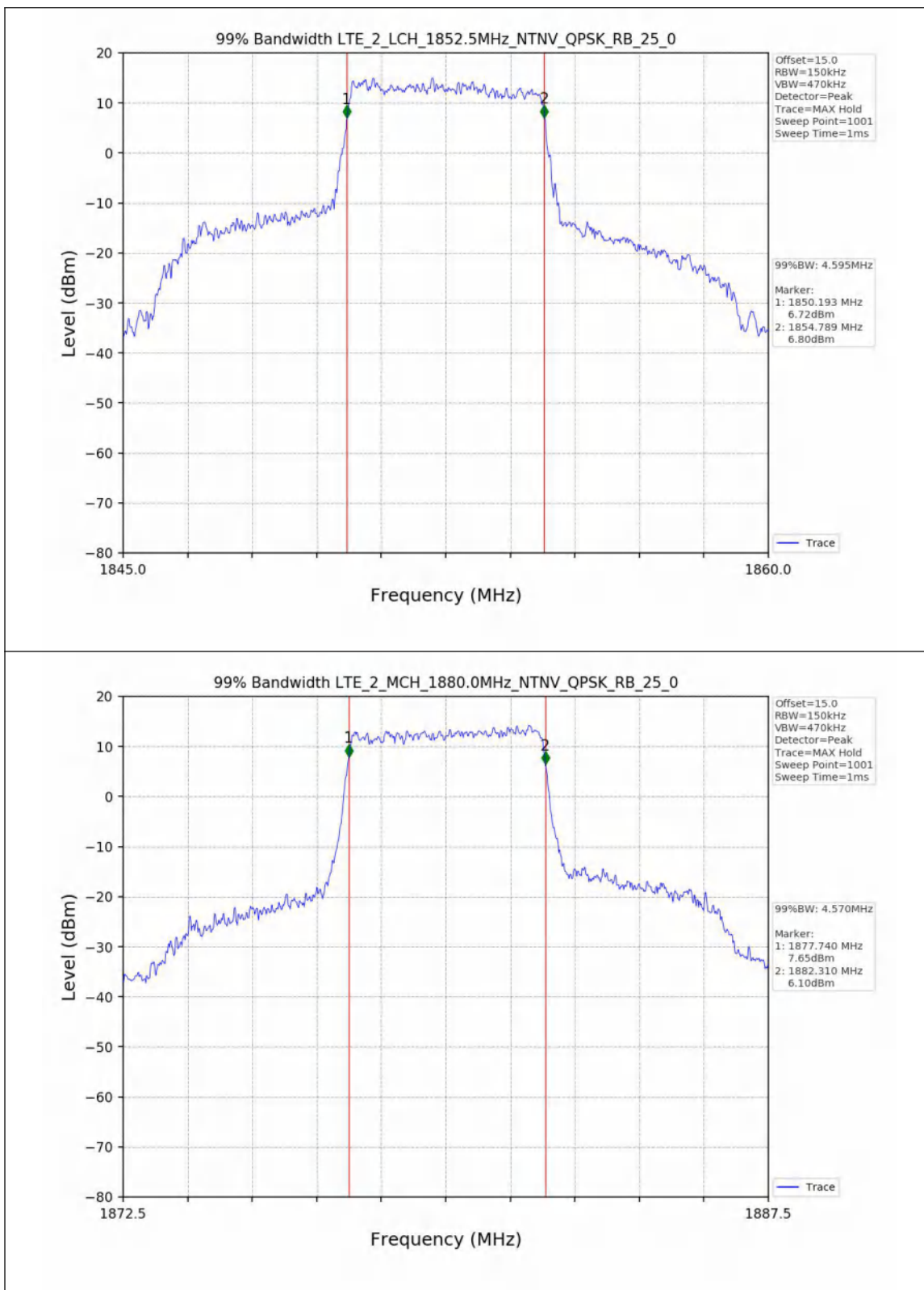
Test Band: 2_5MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

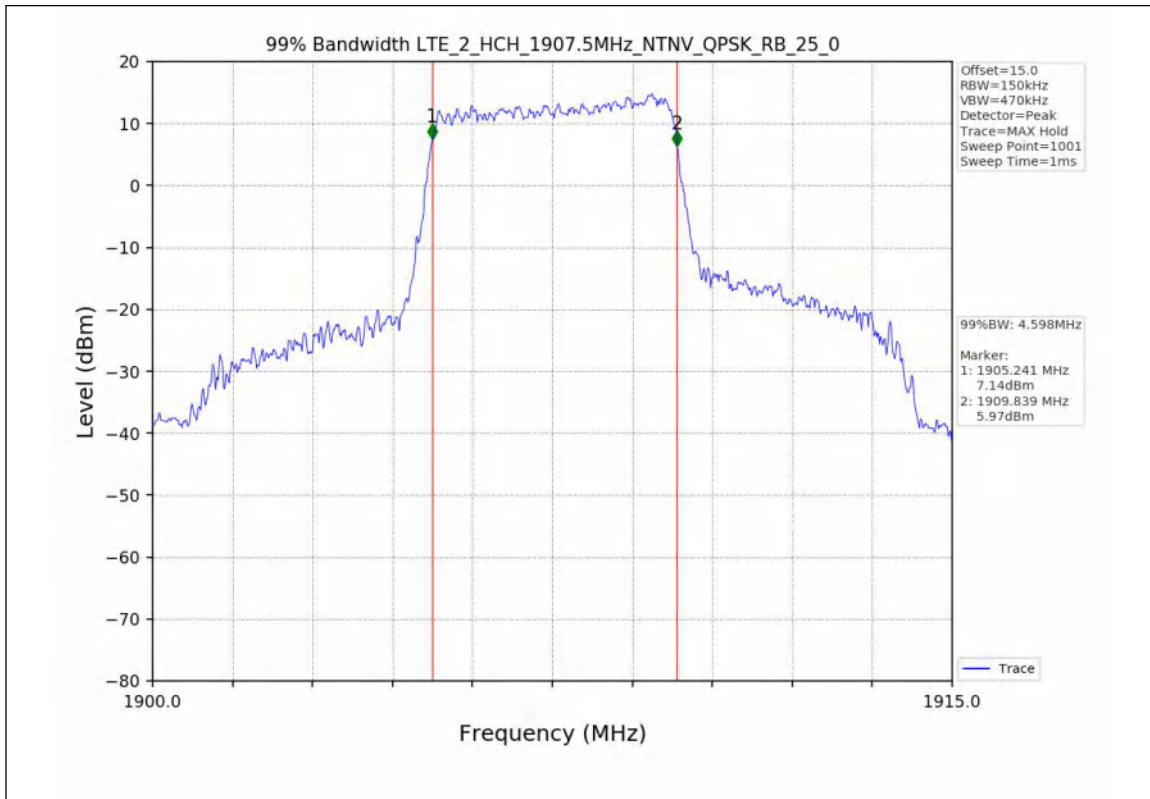
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.595	4.570	4.598	N/A	PASS
16QAM	25	0	4.623	4.579	4.574	N/A	PASS

4.2 Test Graph



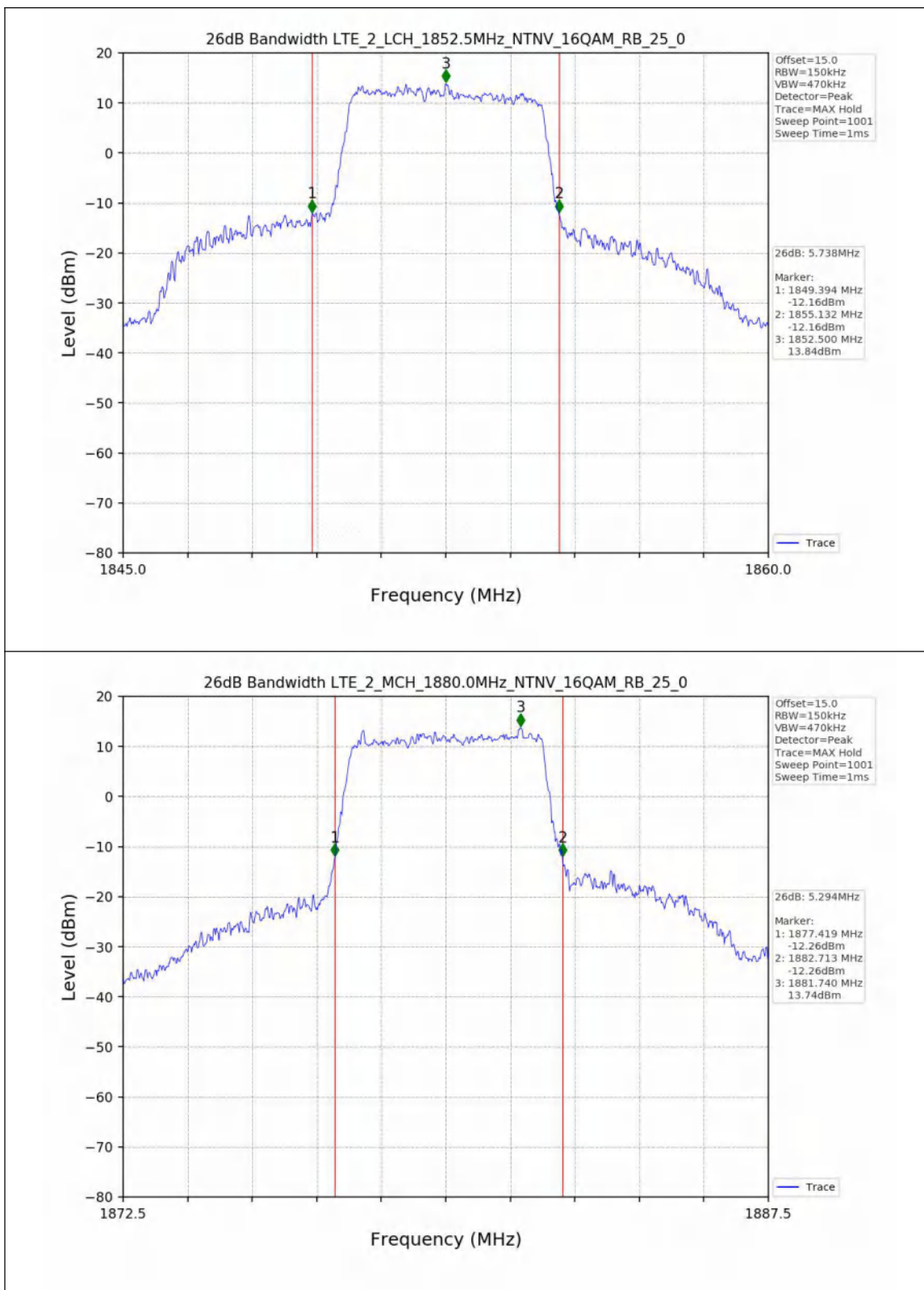


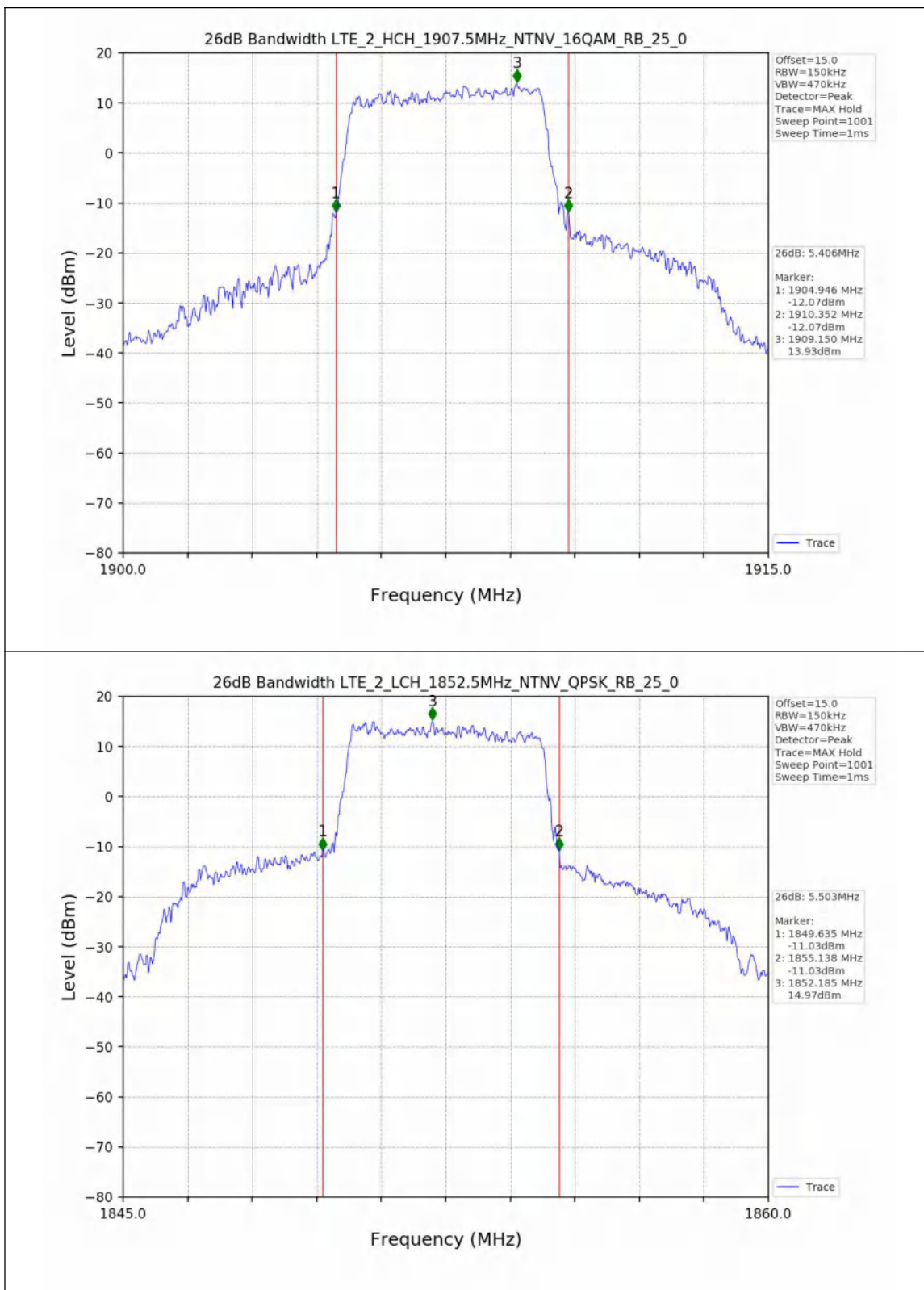


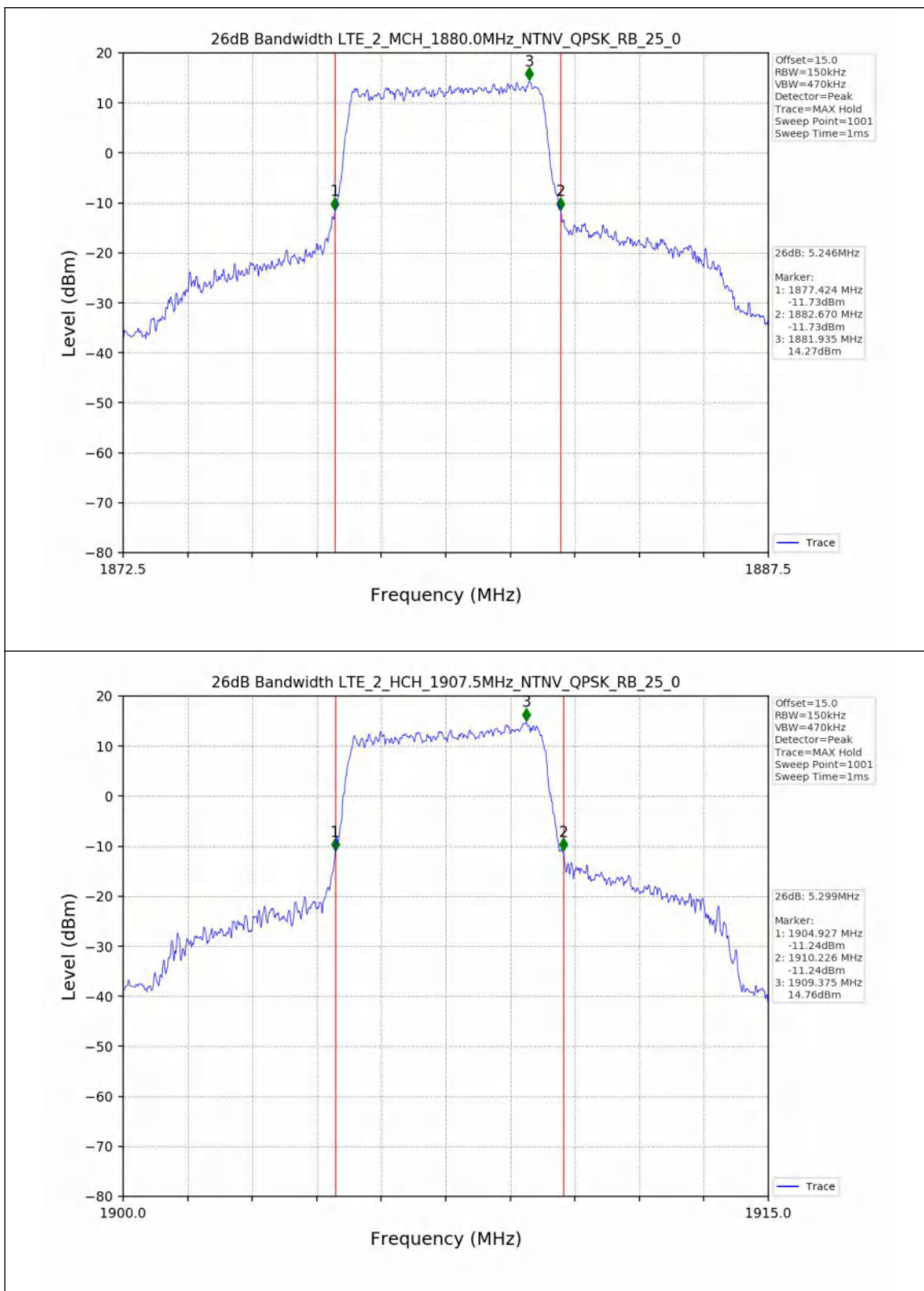


Test Band: 2_5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.503	5.246	5.299	N/A	PASS
16QAM	25	0	5.738	5.294	5.406	N/A	PASS

4.2 Test Graph



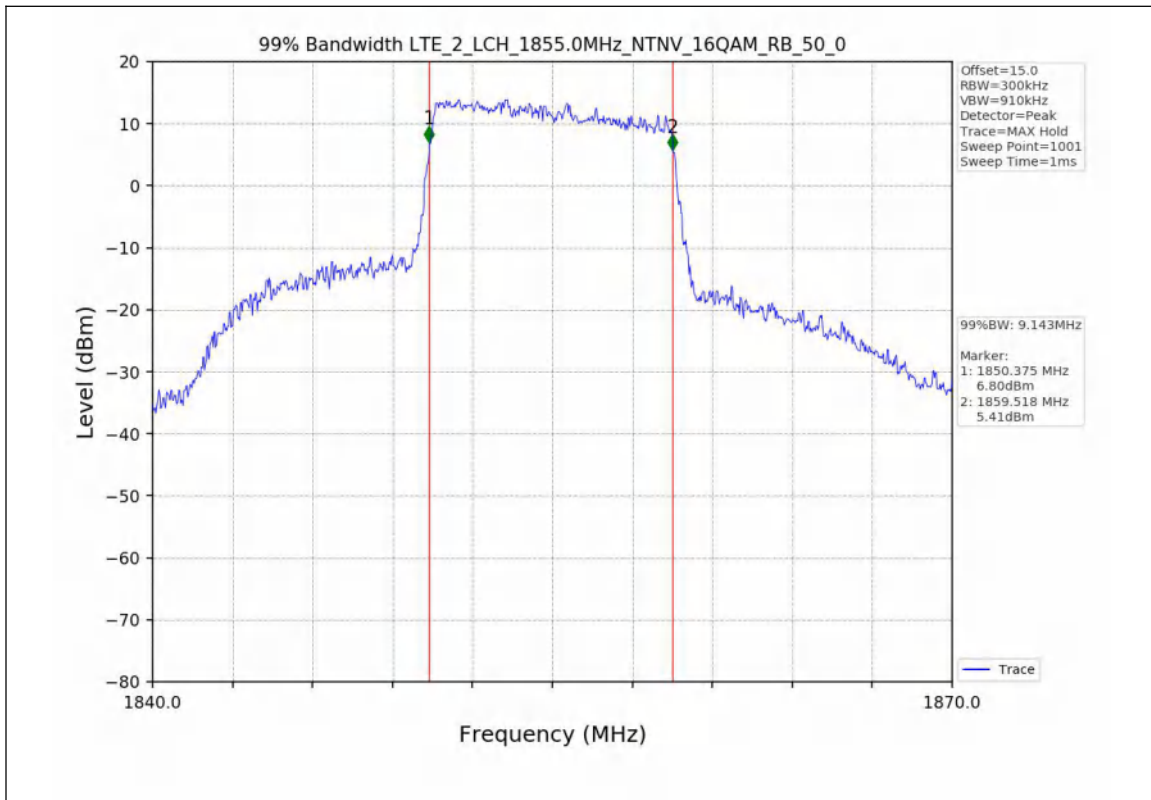


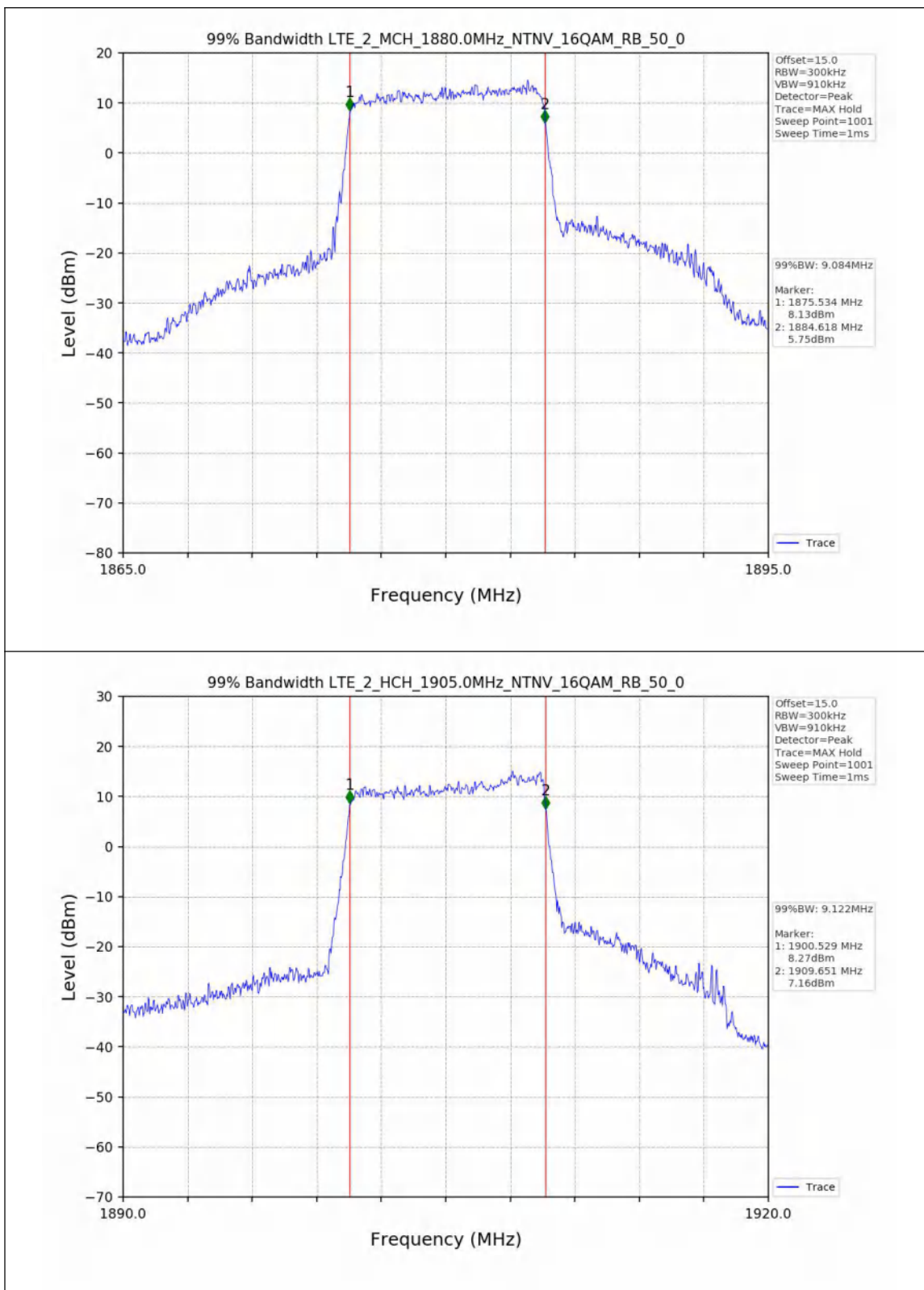


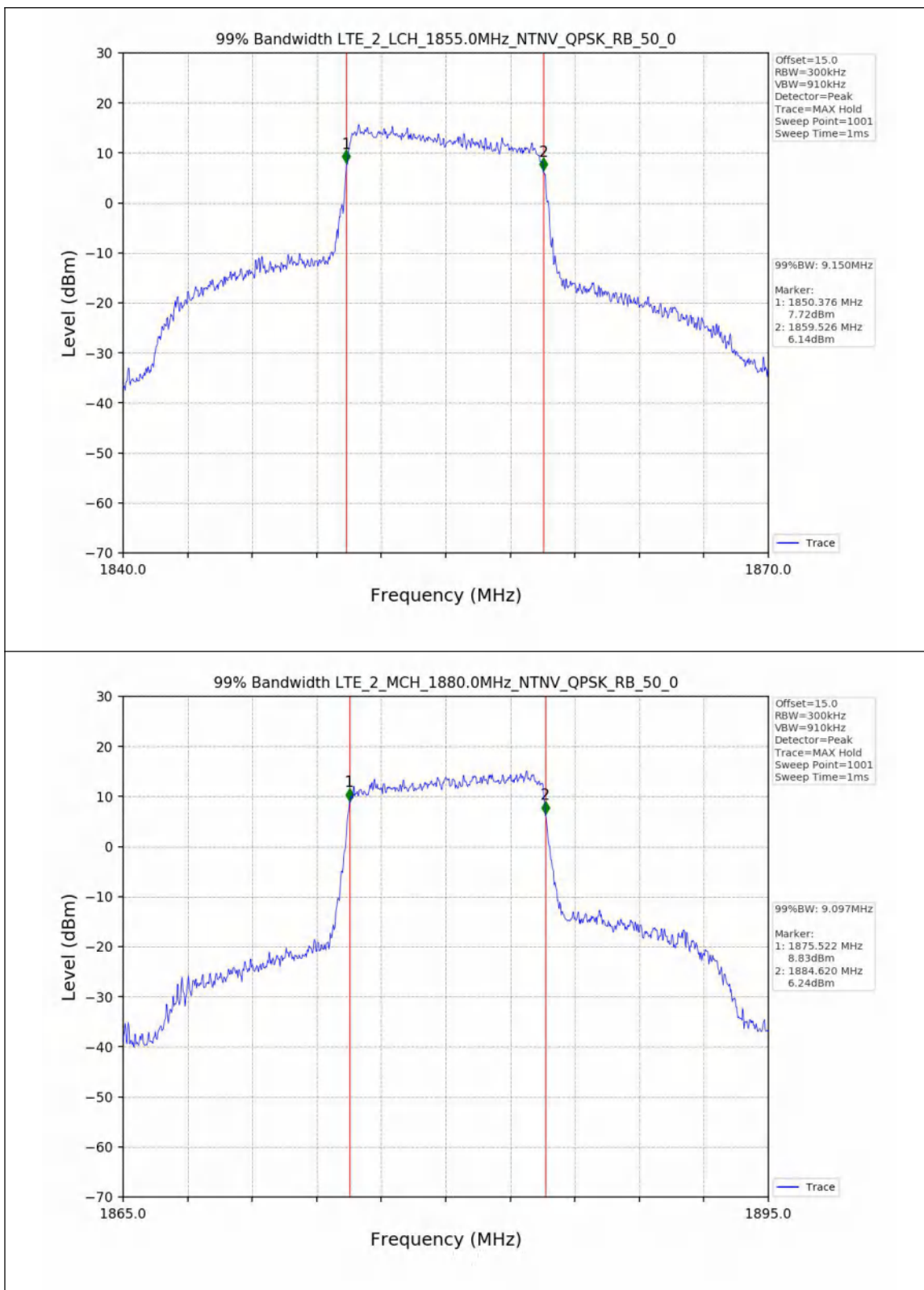
Test Band: 2_10MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

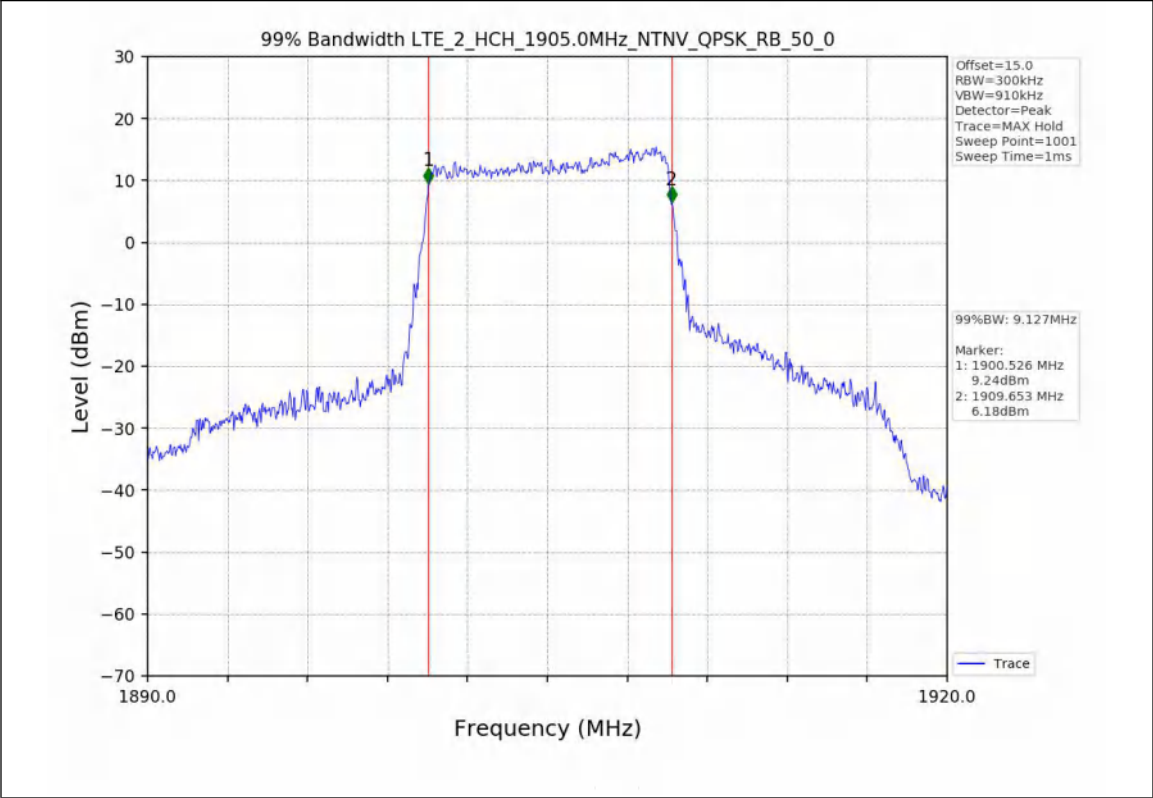
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.150	9.097	9.127	N/A	PASS
16QAM	50	0	9.143	9.084	9.122	N/A	PASS

4.2 Test Graph



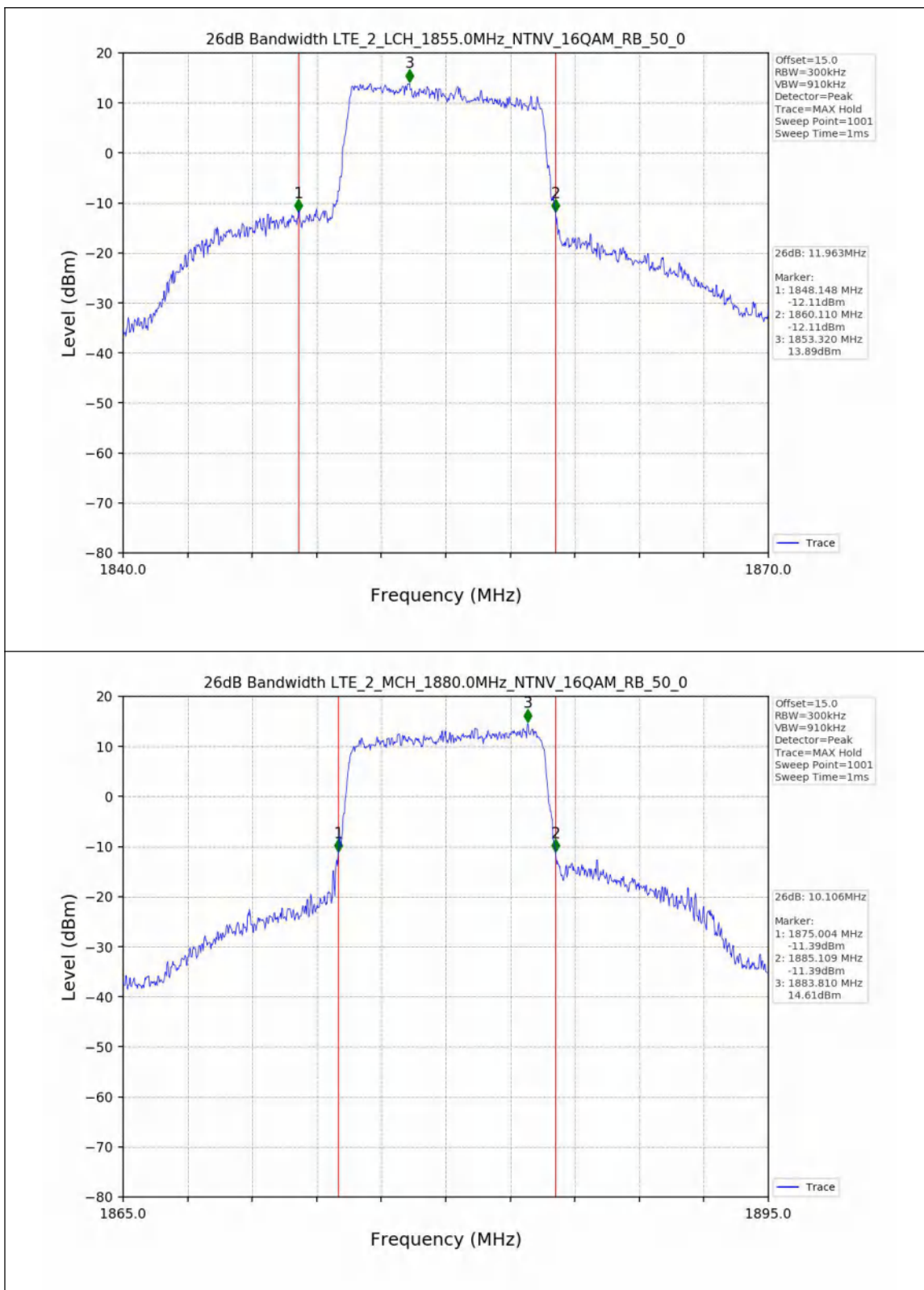


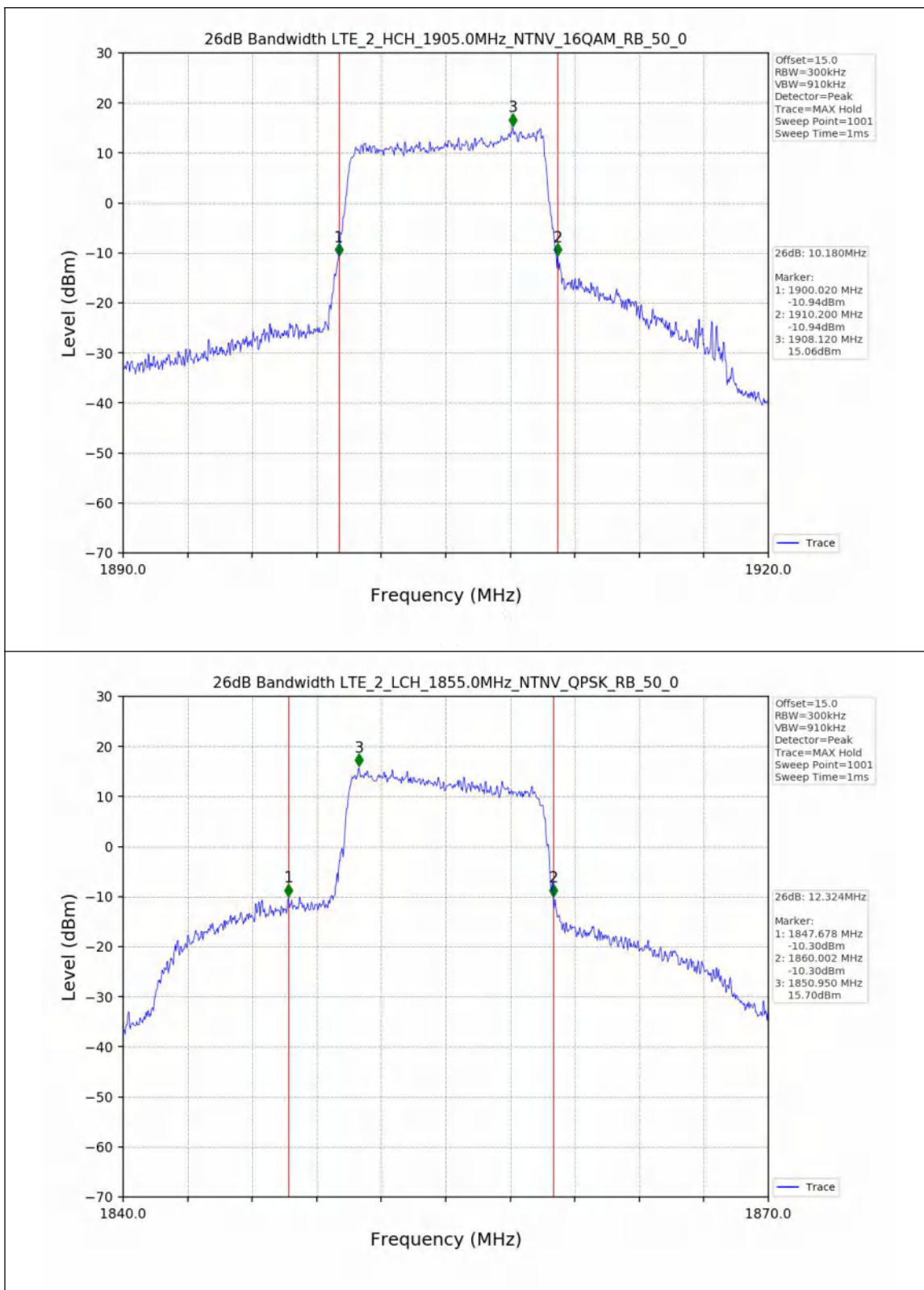


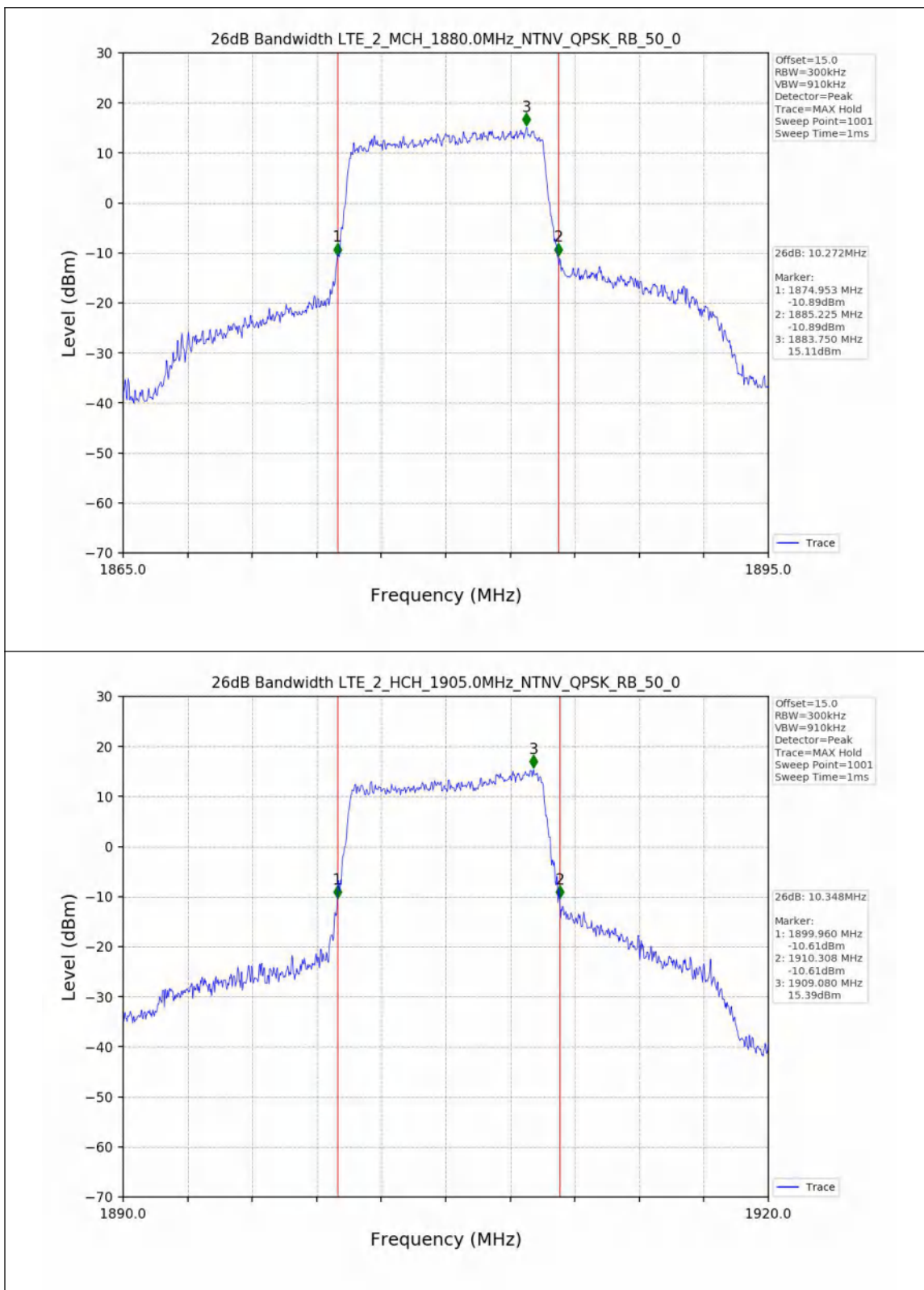


Test Band: 2_10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	12.324	10.272	10.348	N/A	PASS
16QAM	50	0	11.963	10.106	10.180	N/A	PASS

4.2 Test Graph



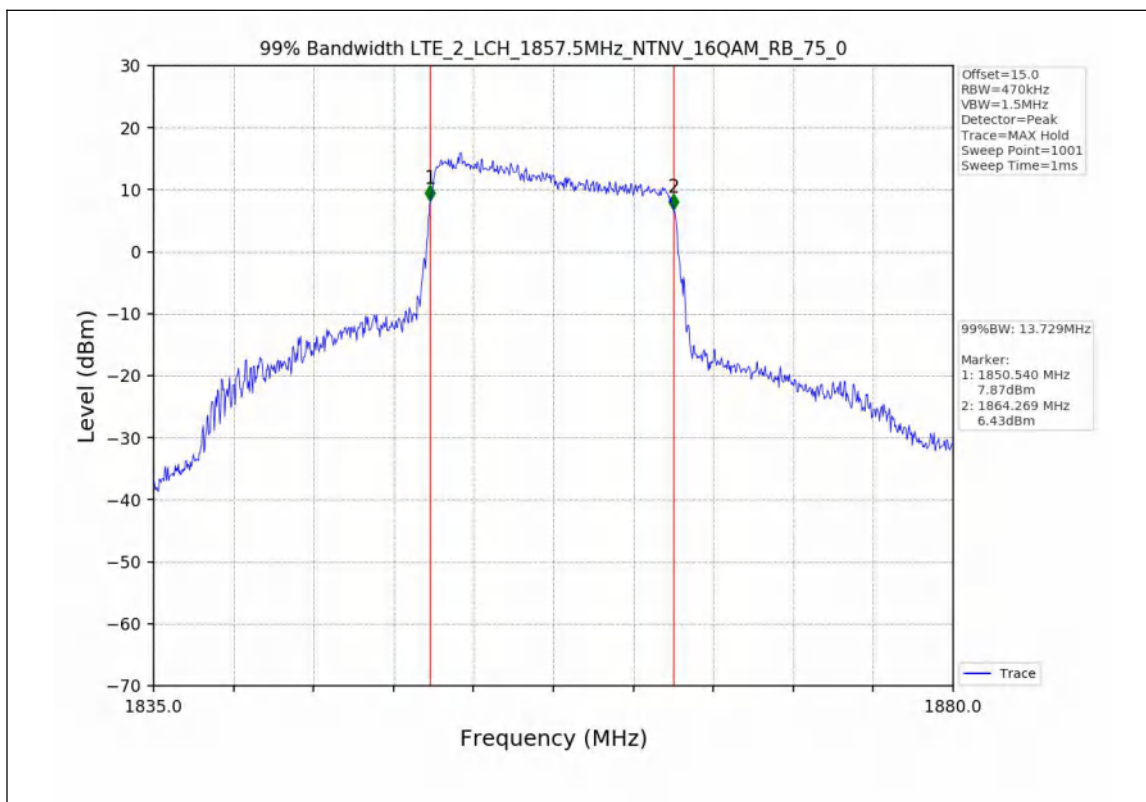


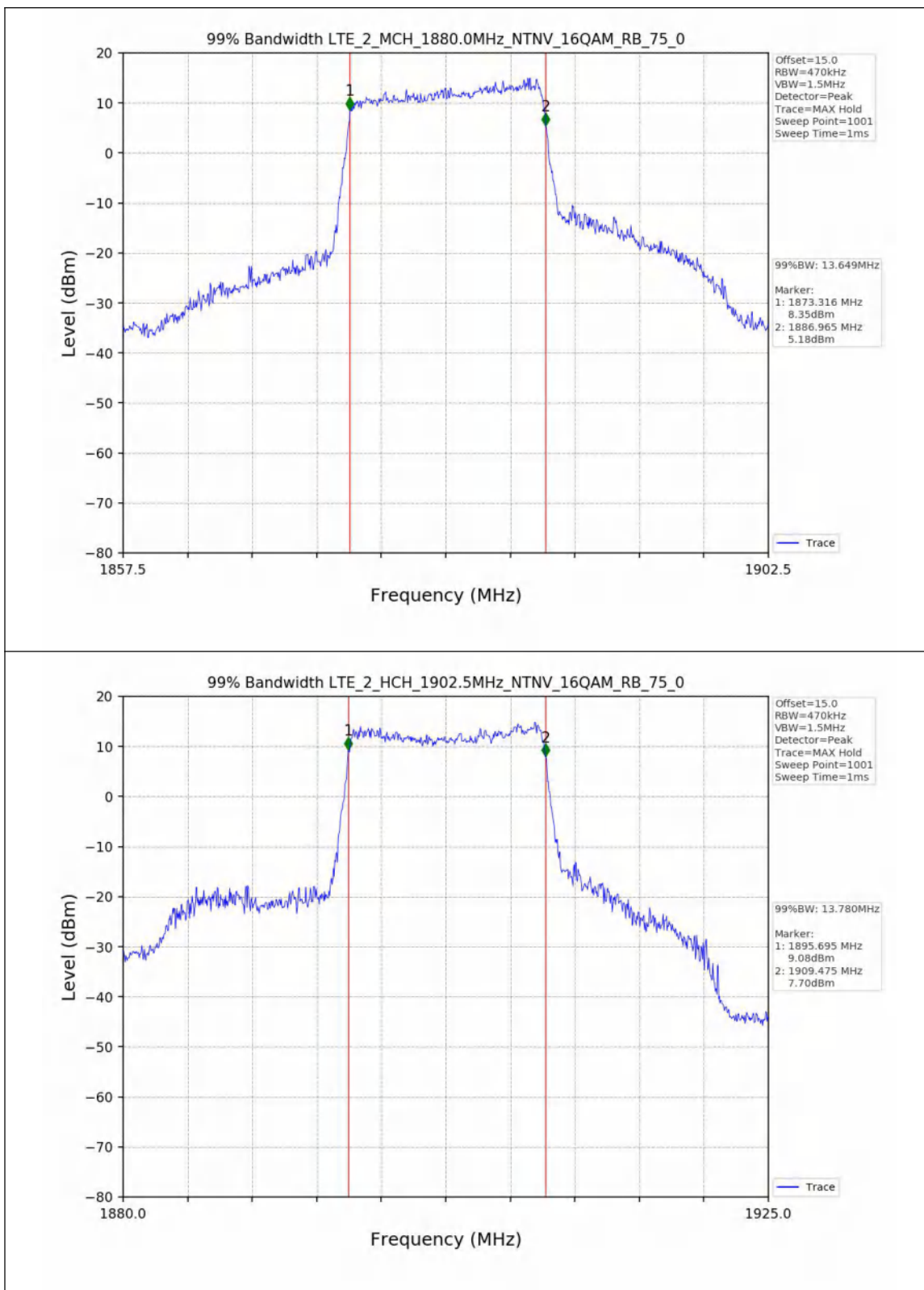


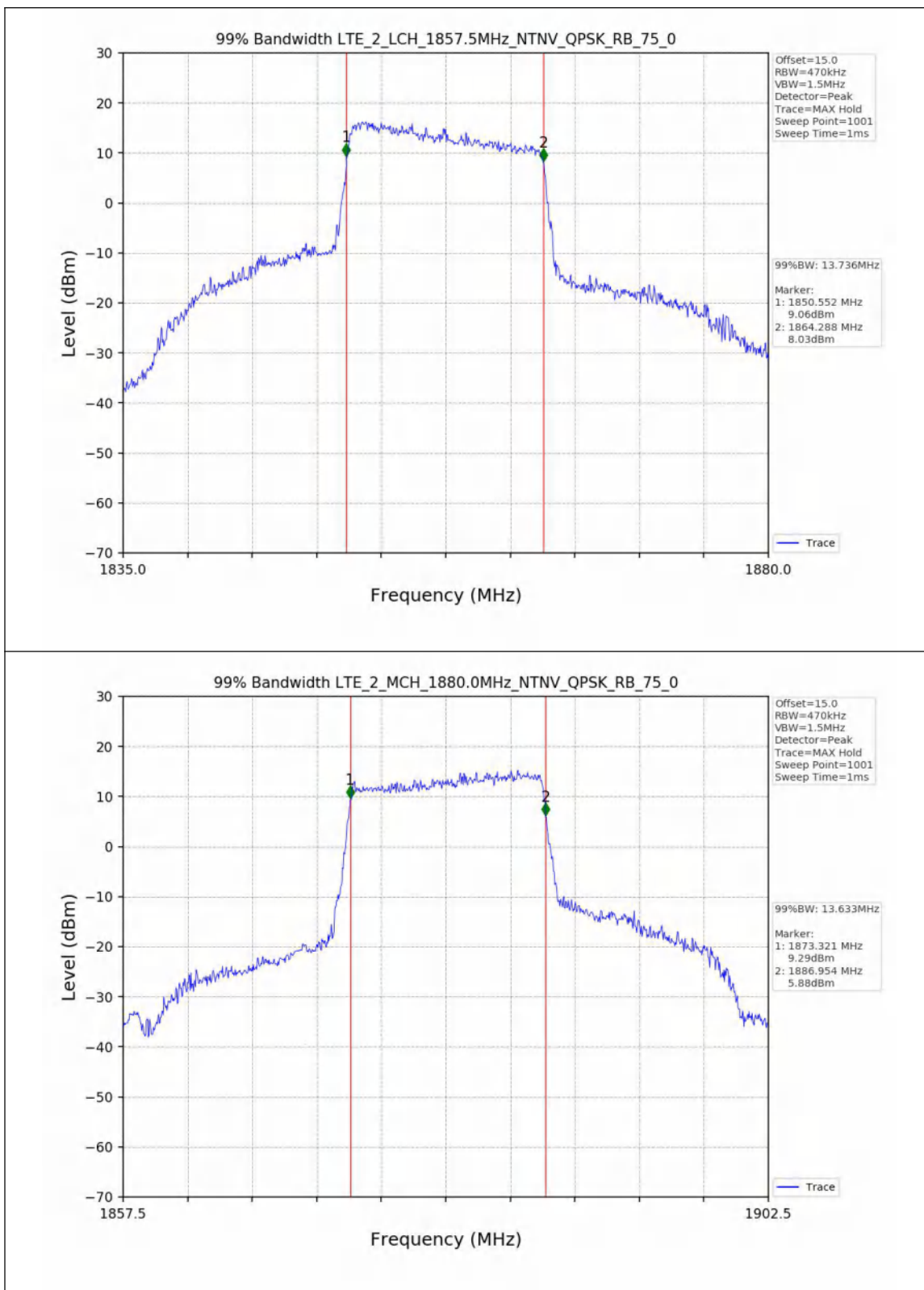
Test Band: 2_15MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

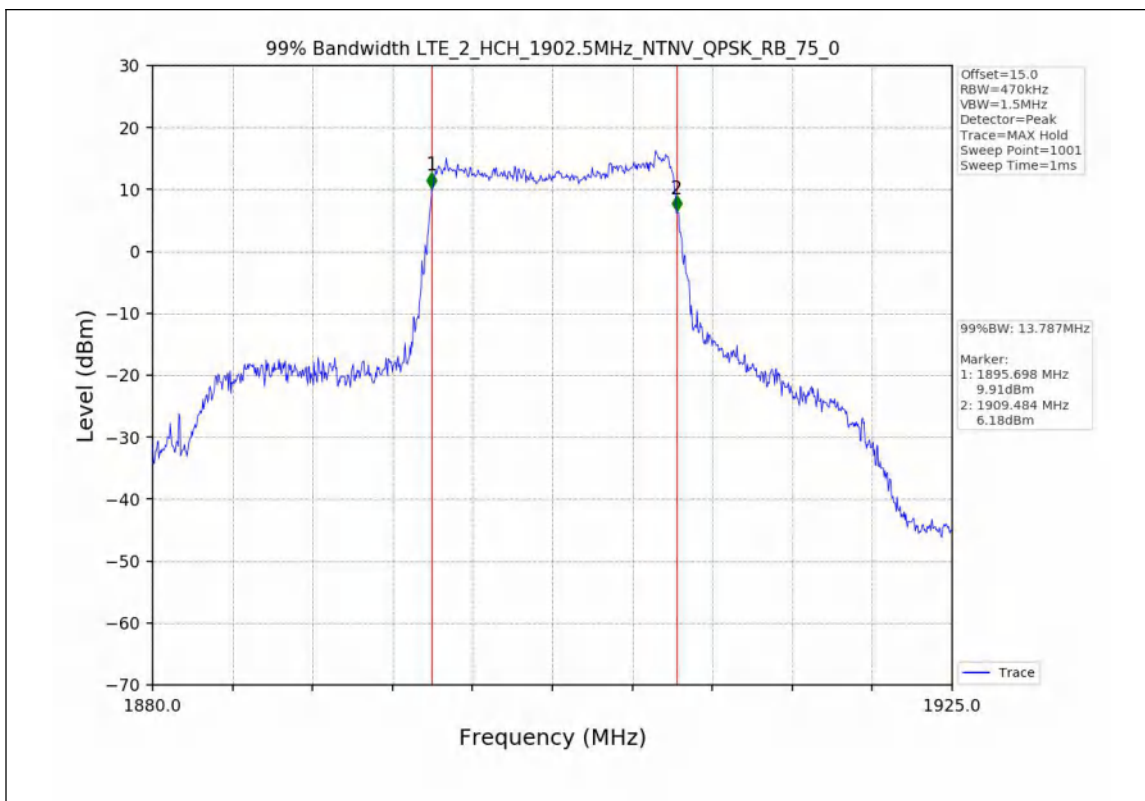
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	13.736	13.633	13.787	N/A	PASS
16QAM	75	0	13.729	13.649	13.780	N/A	PASS

4.2 Test Graph



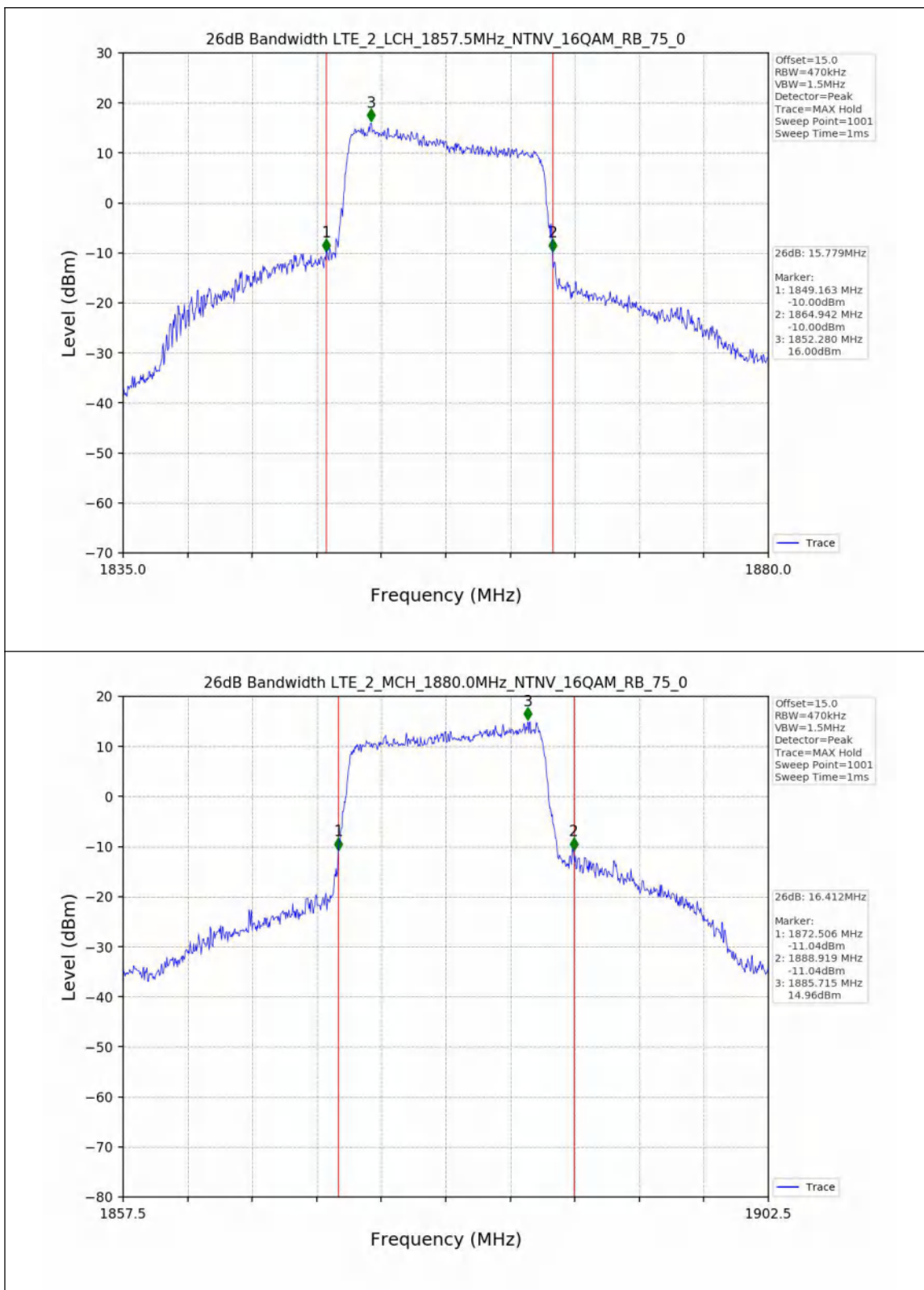


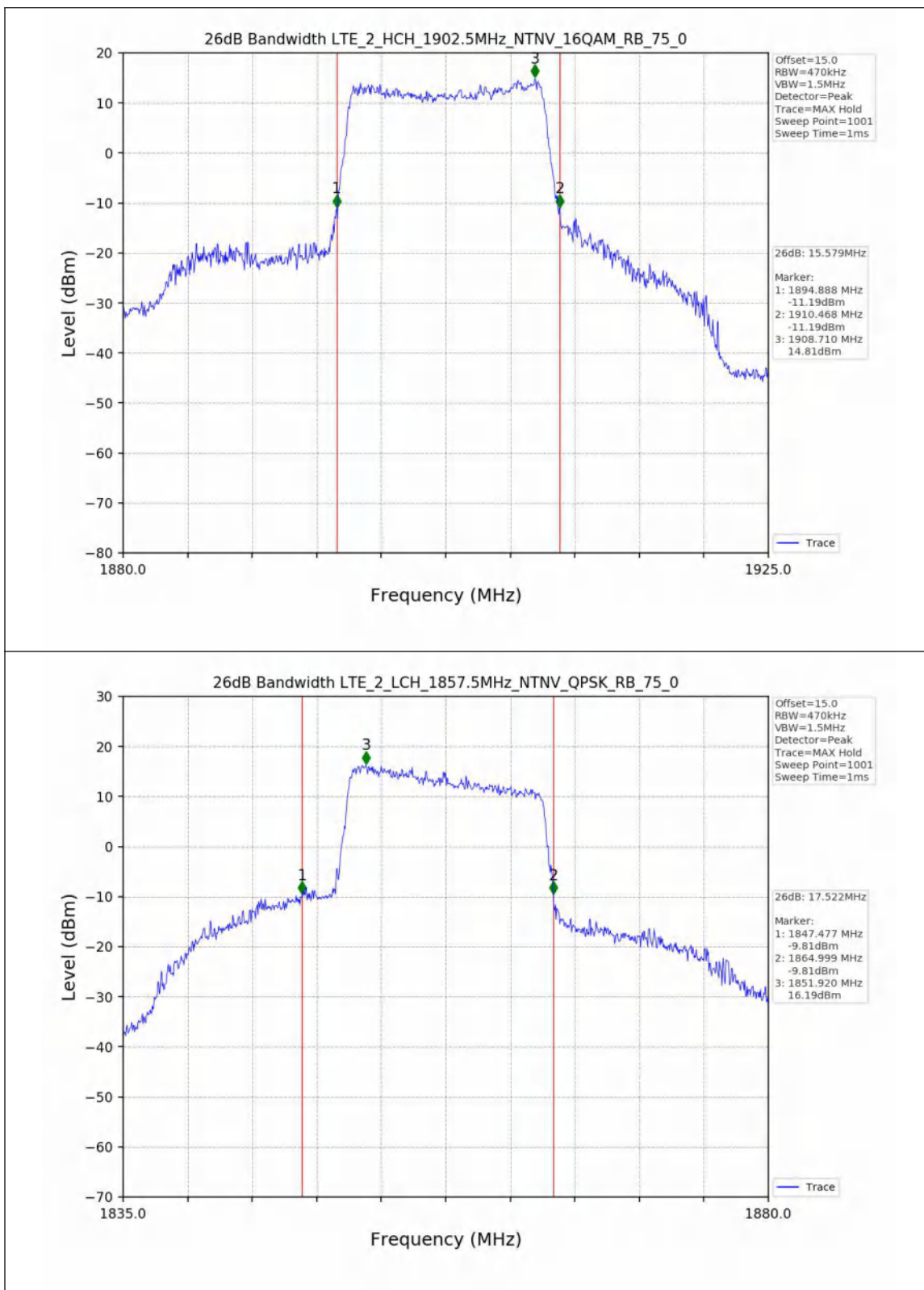


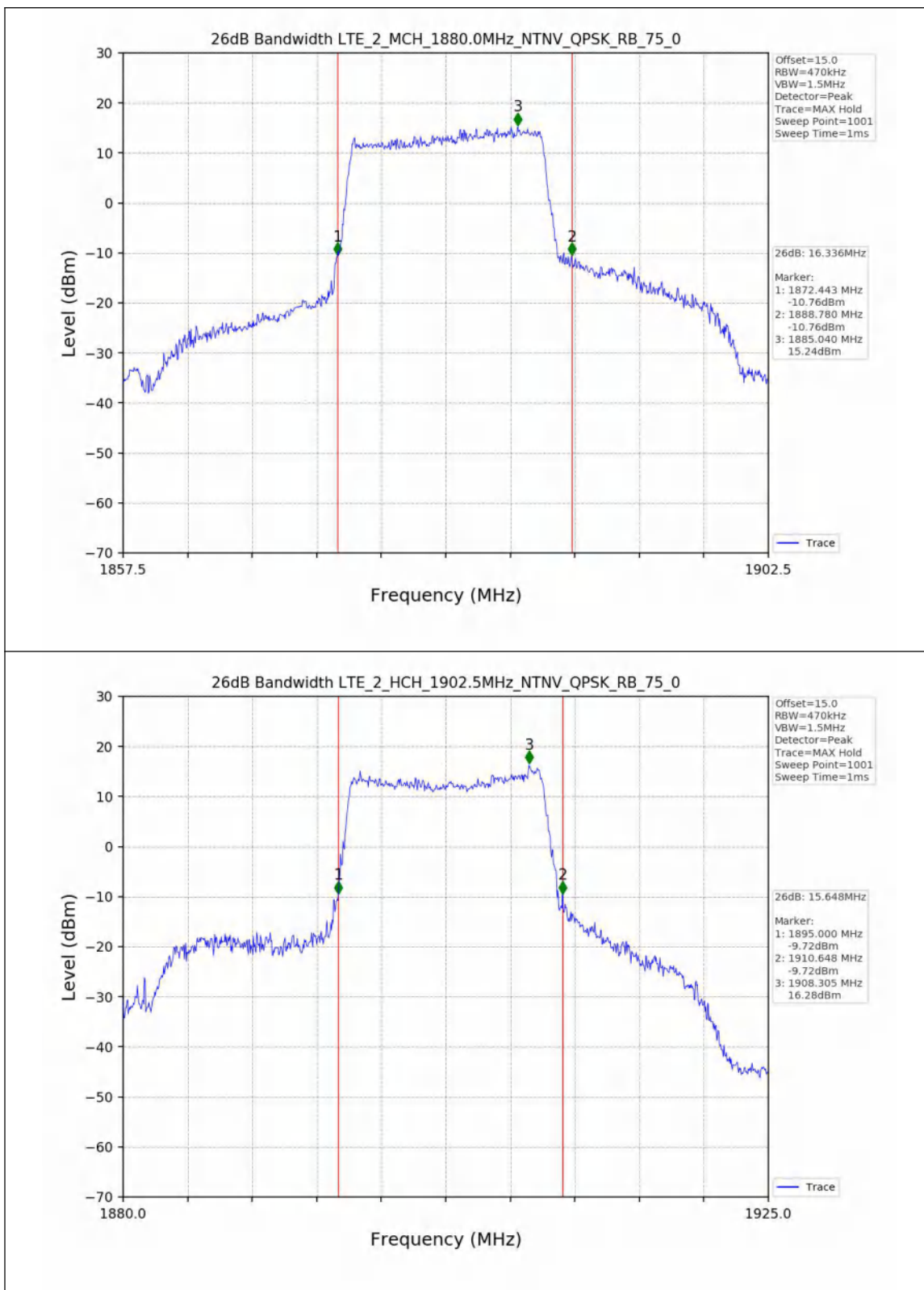


Test Band: 2_15MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	17.522	16.336	15.648	N/A	PASS
16QAM	75	0	15.779	16.412	15.579	N/A	PASS

4.2 Test Graph





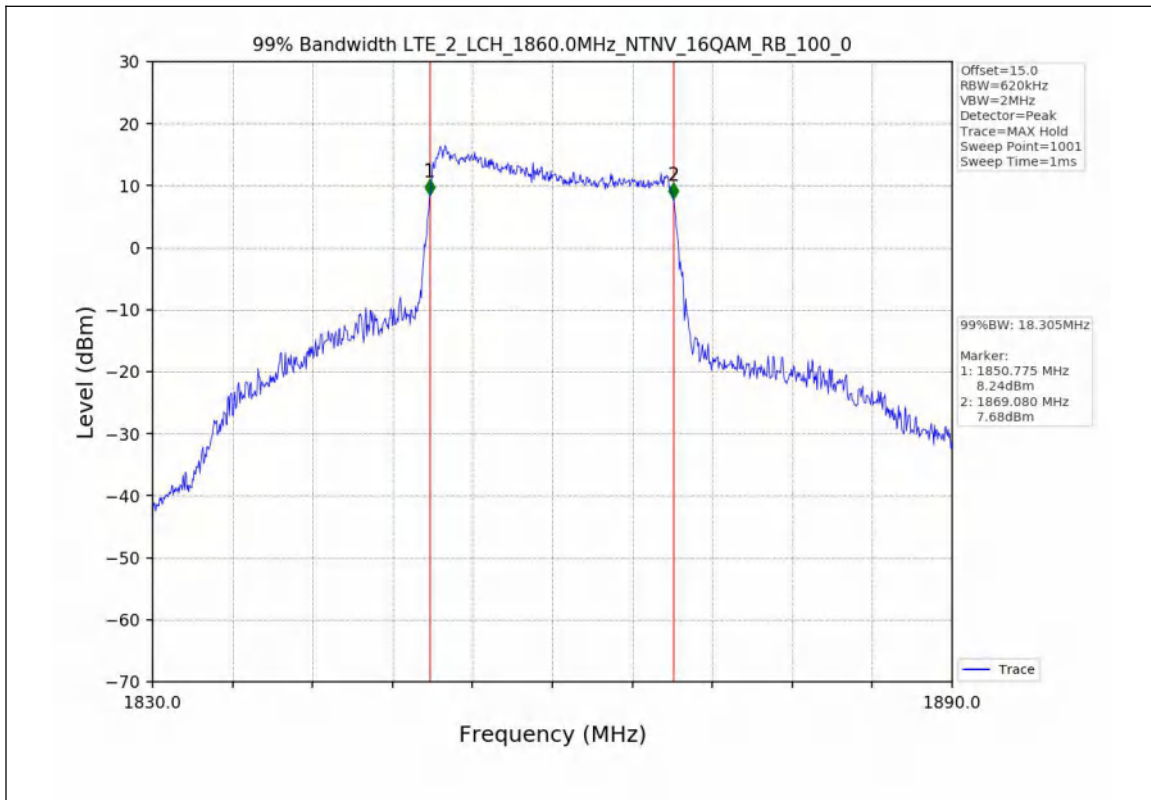


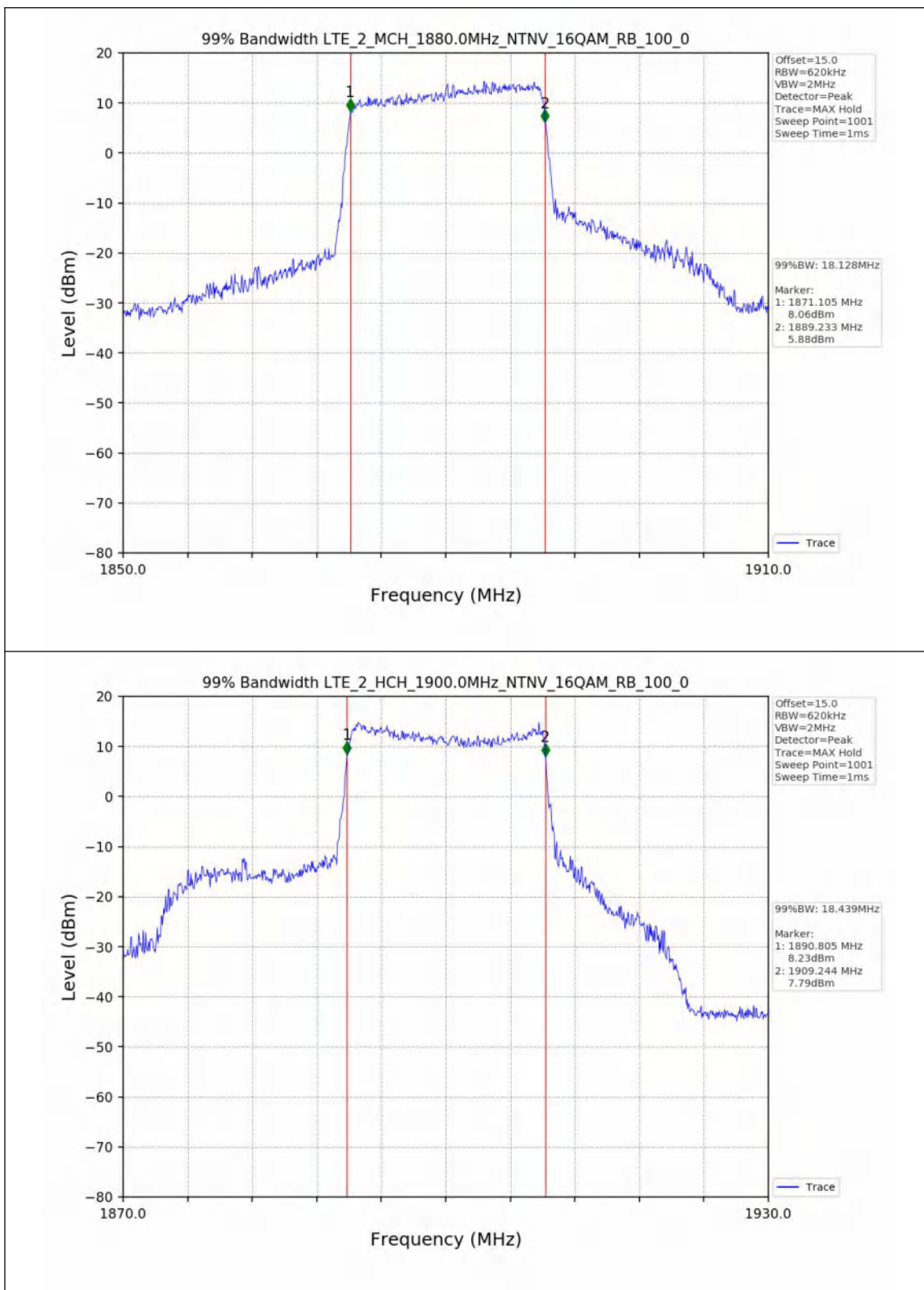
Test Band: 2_20MHz Bandwidth

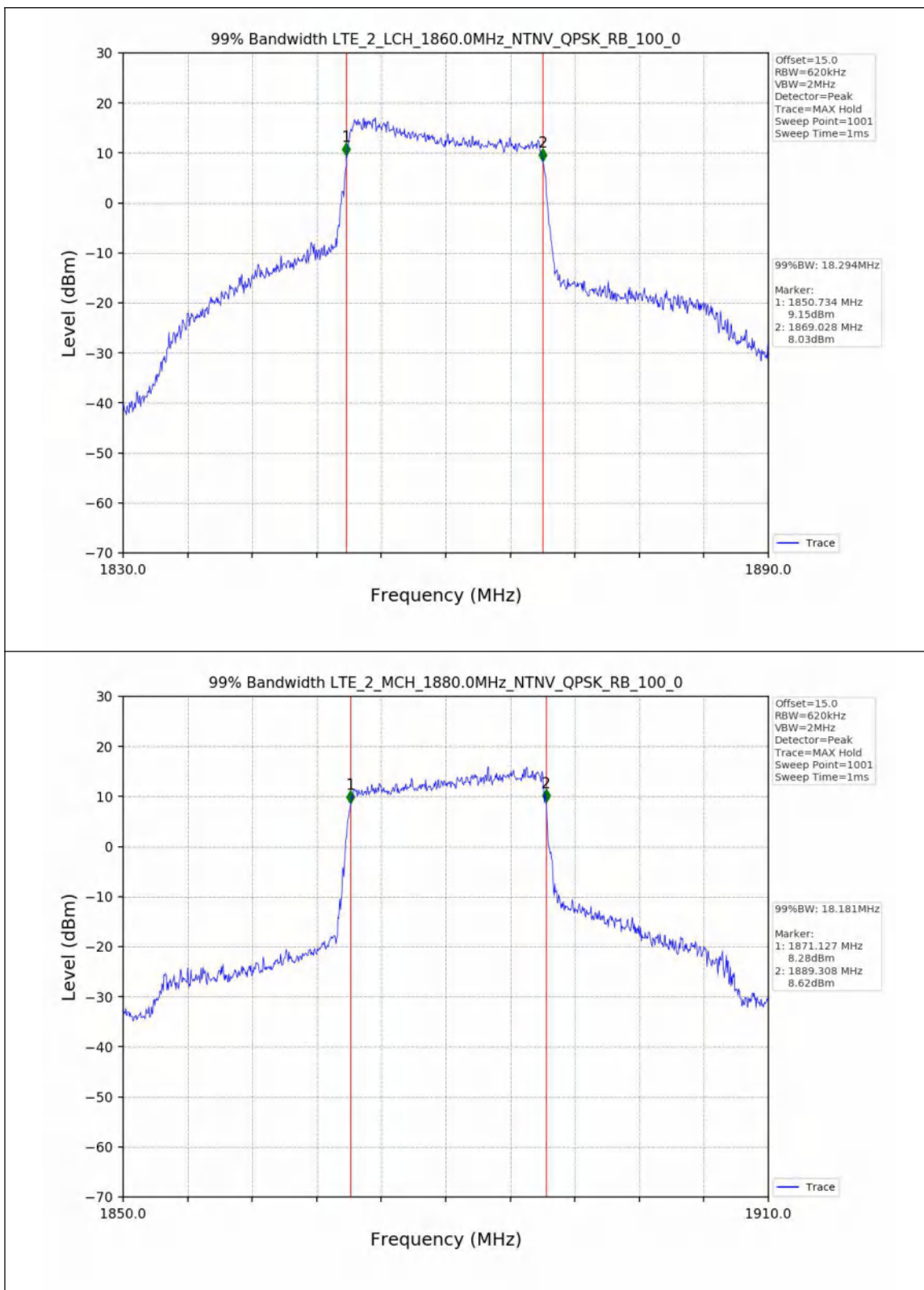
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict
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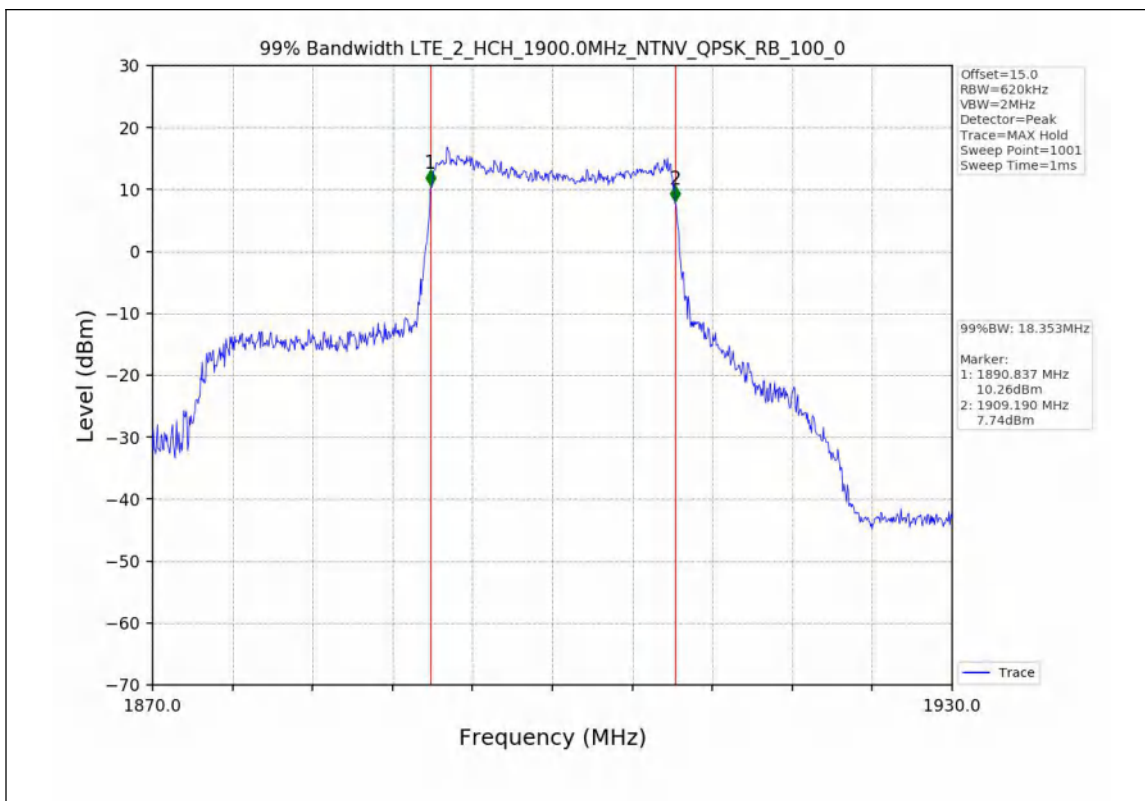
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	18.294	18.181	18.353	N/A	PASS
16QAM	100	0	18.305	18.128	18.439	N/A	PASS

4.2 Test Graph



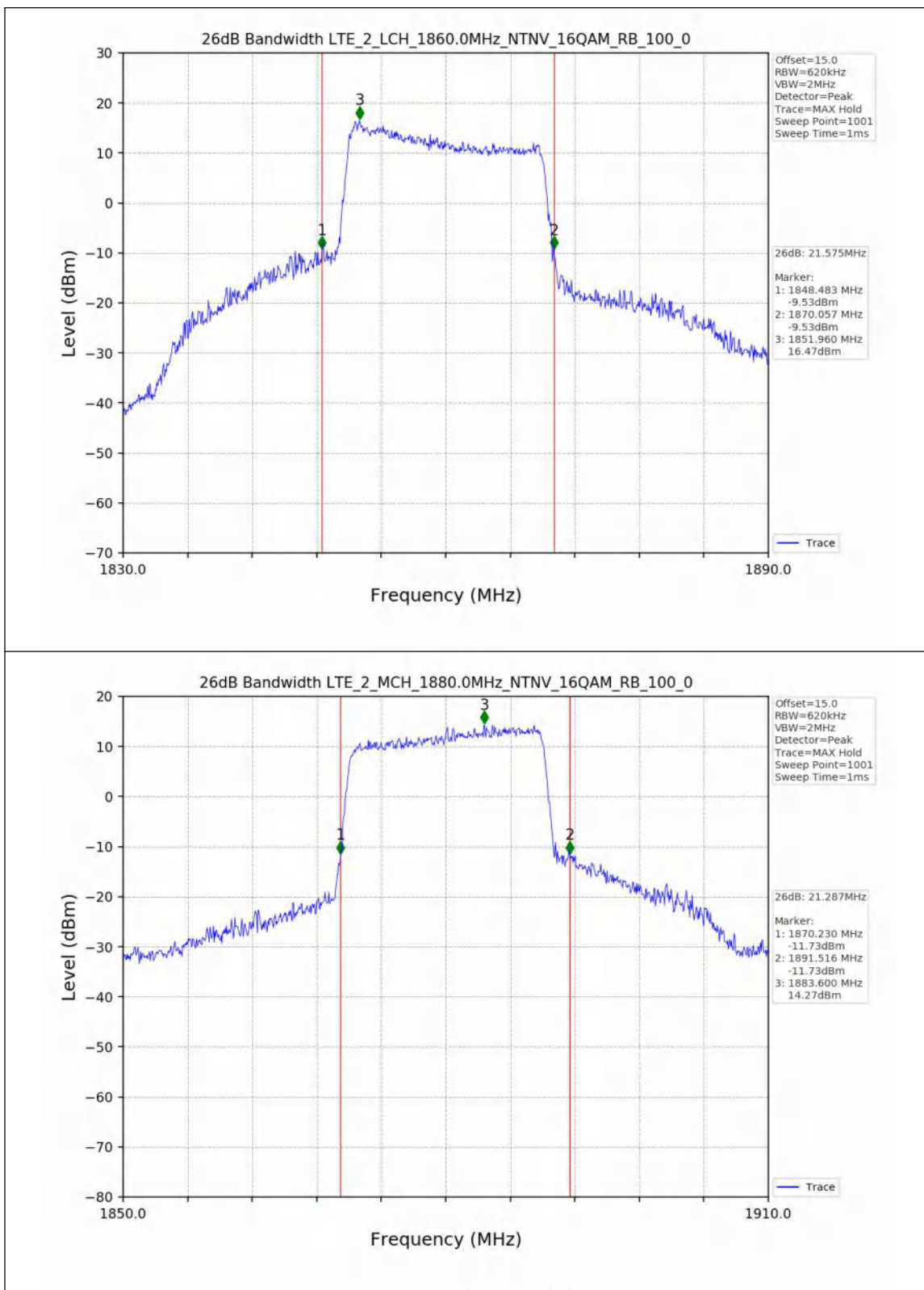


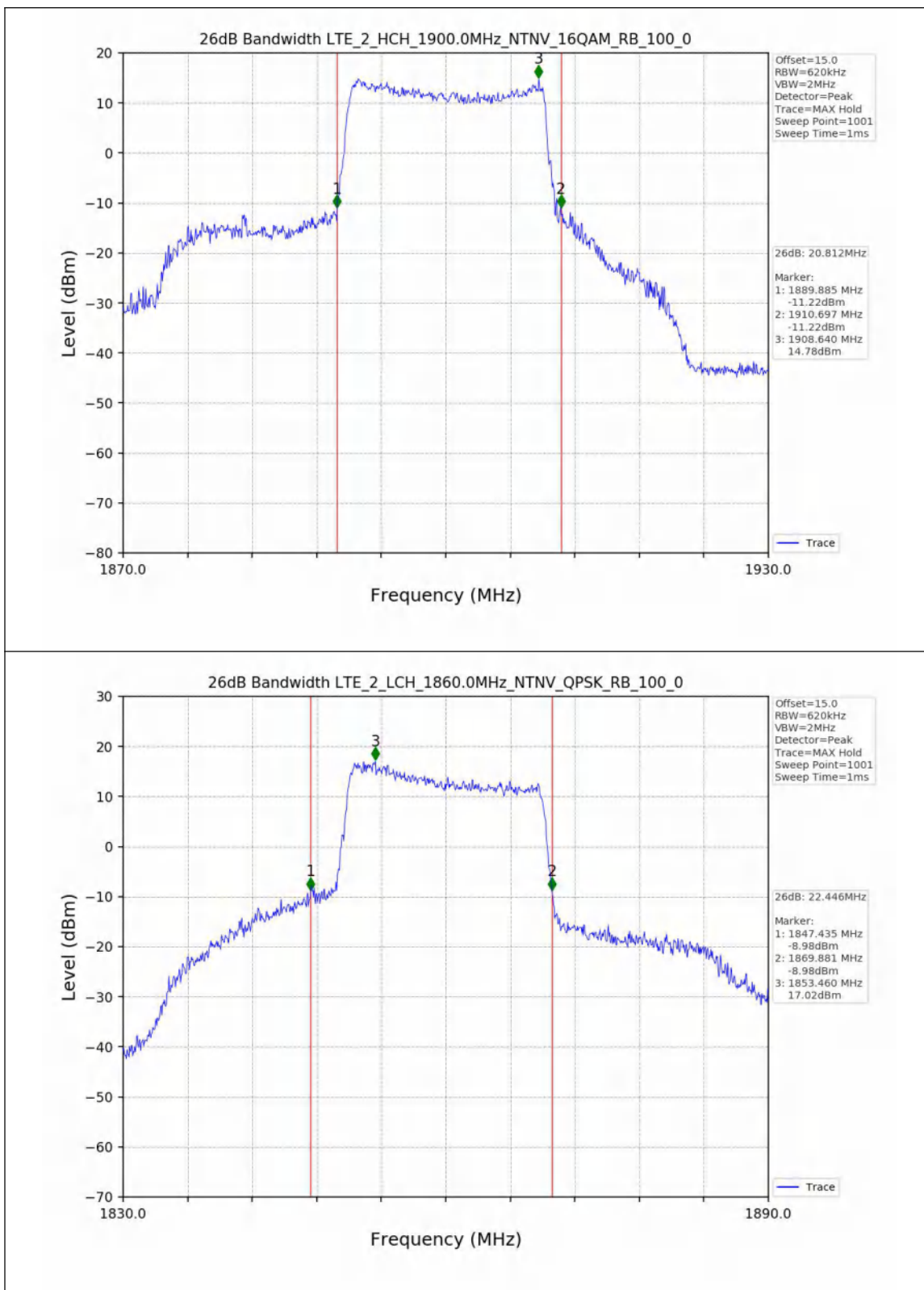


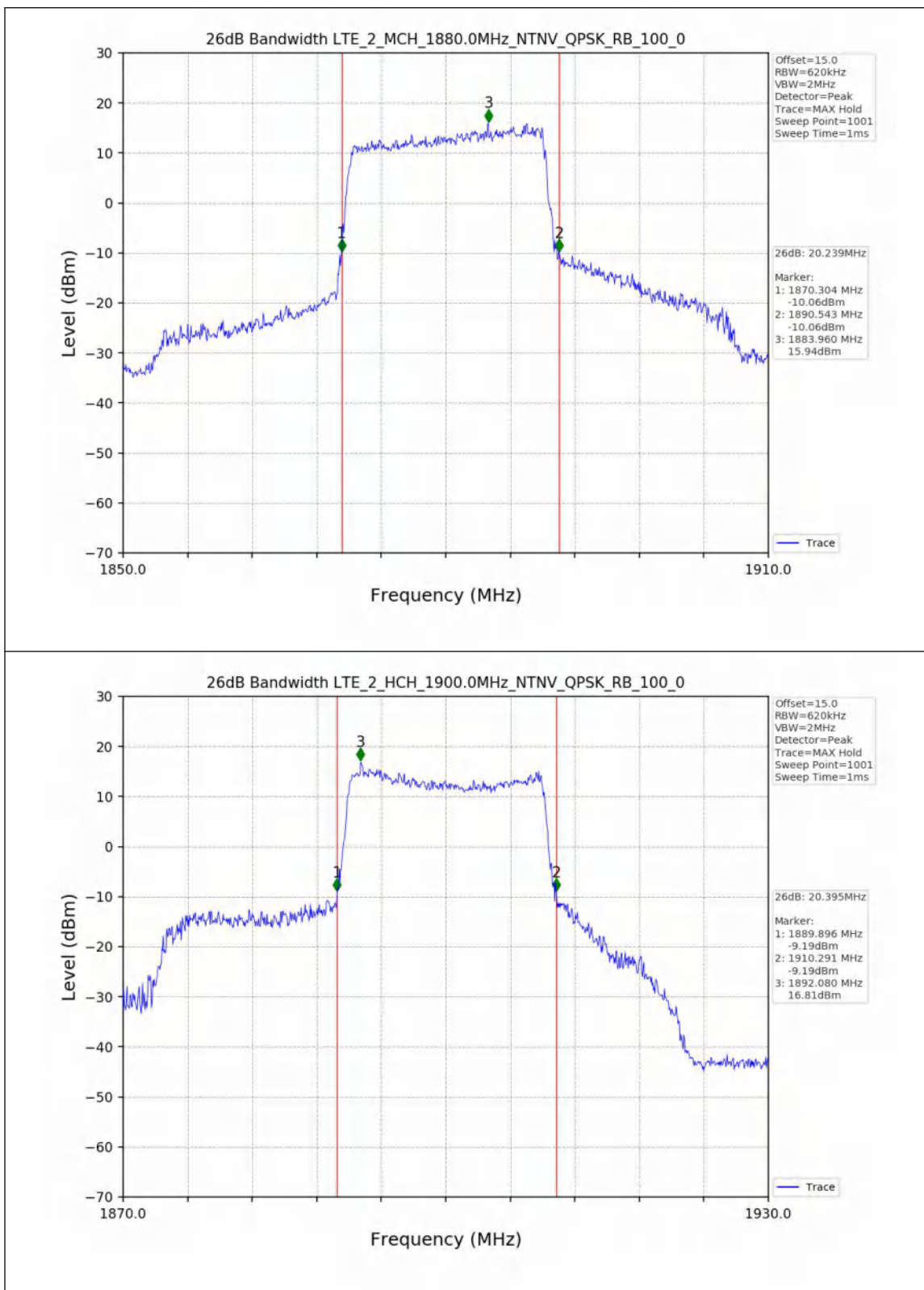


Test Band: 2_20MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	22.446	20.239	20.395	N/A	PASS
16QAM	100	0	21.575	21.287	20.812	N/A	PASS

4.2 Test Graph





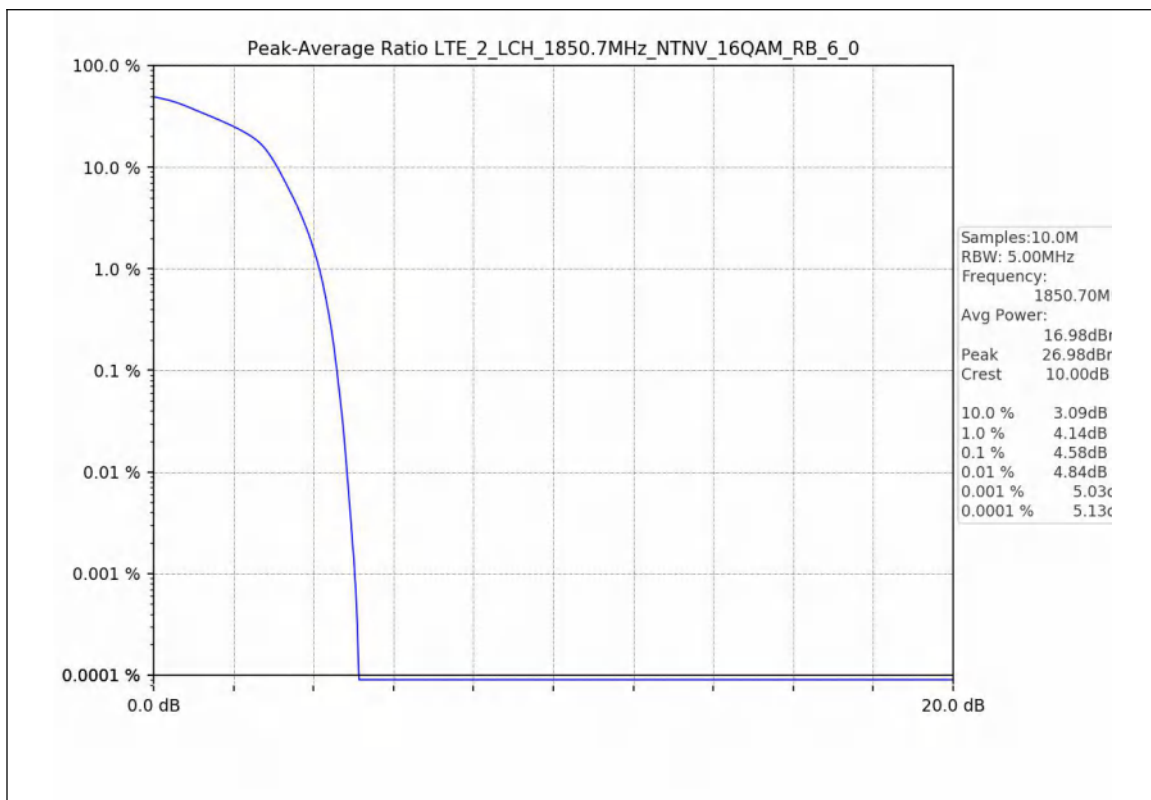


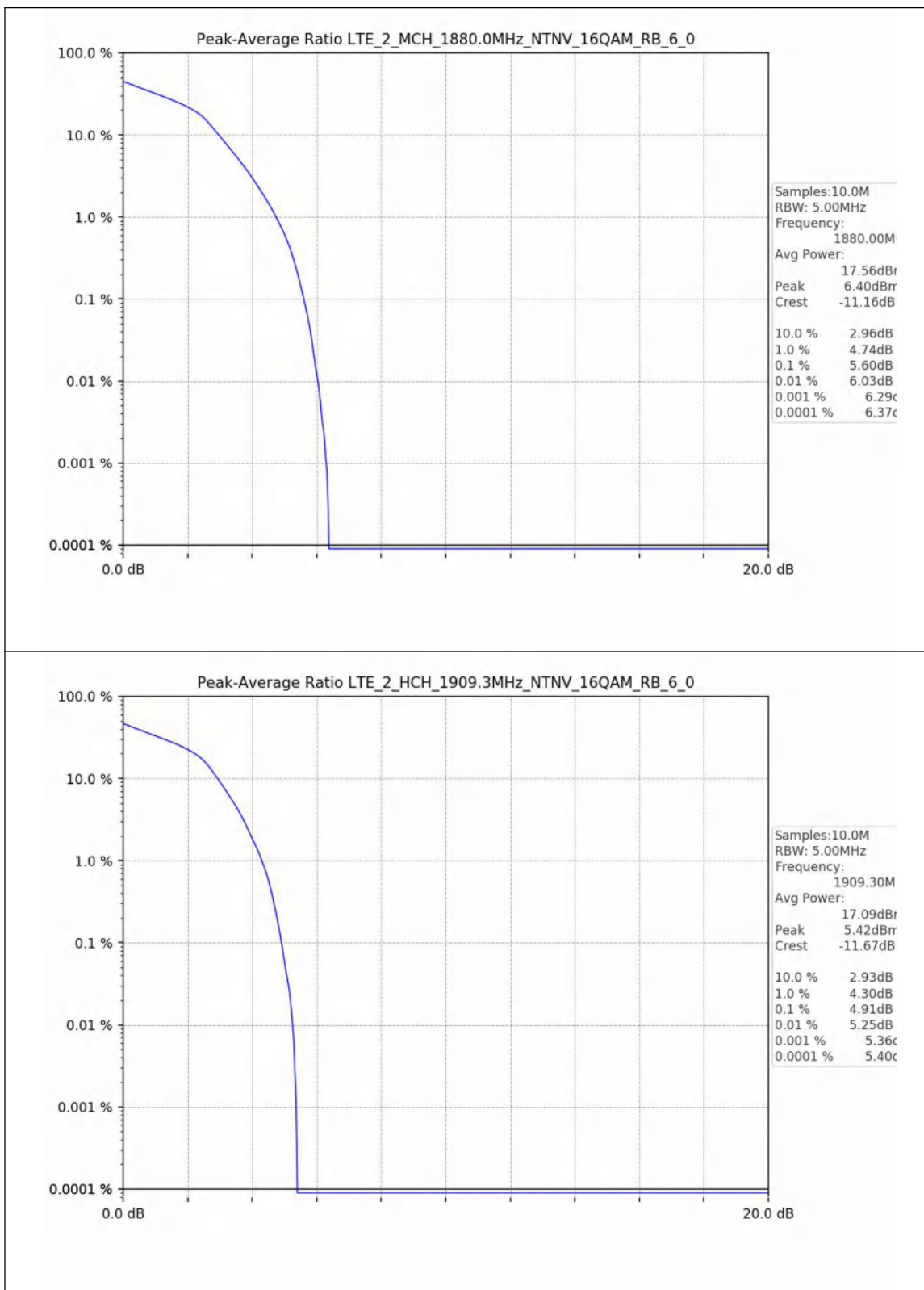
5. Peak-Average Ratio

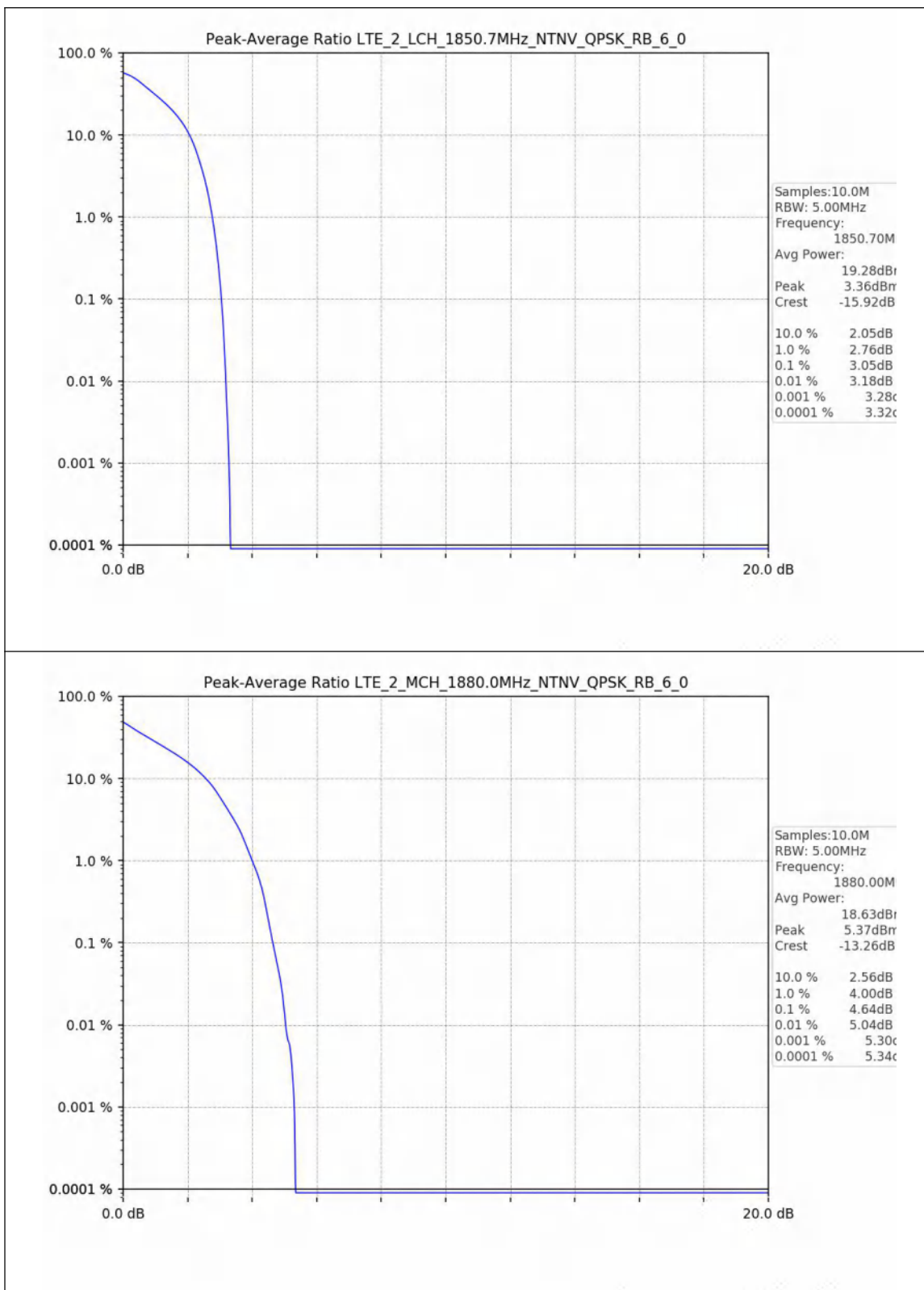
5.1 Test Result

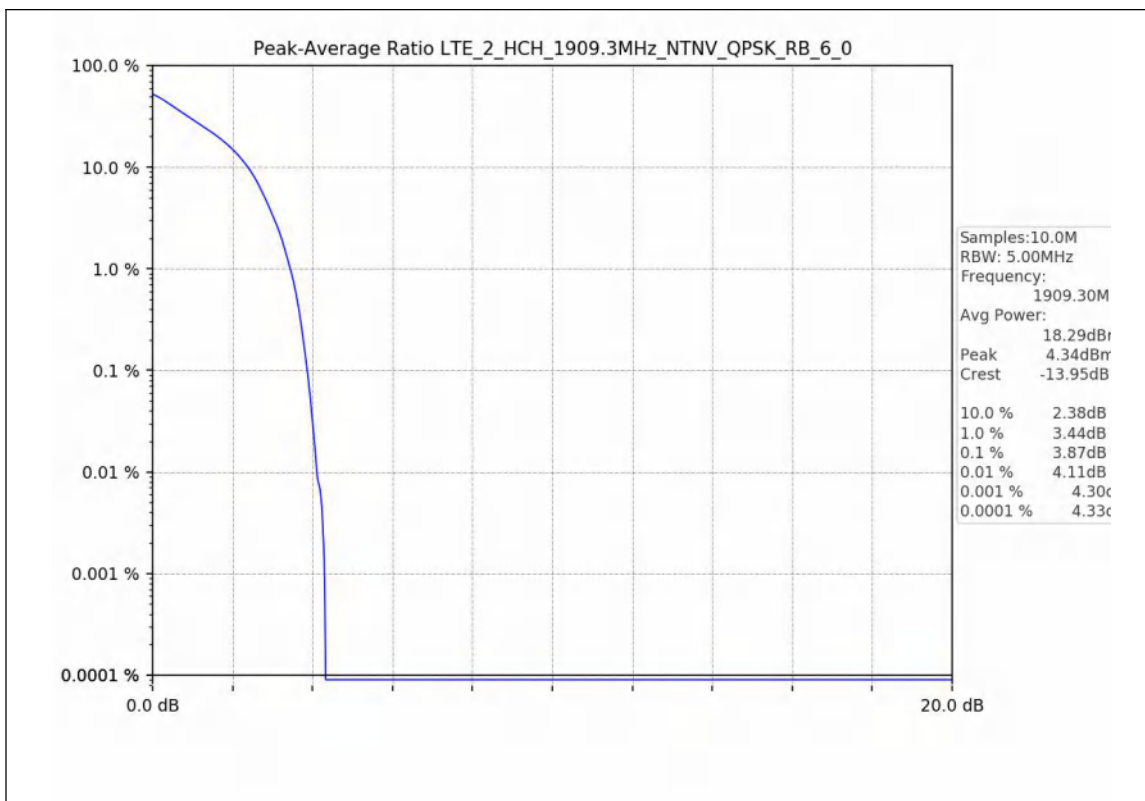
Test Band: 2_ 1.4MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	3.05	4.64	3.87	13	PASS
16QAM	6	0	4.58	5.60	4.91	13	PASS

5.2 Test Graph



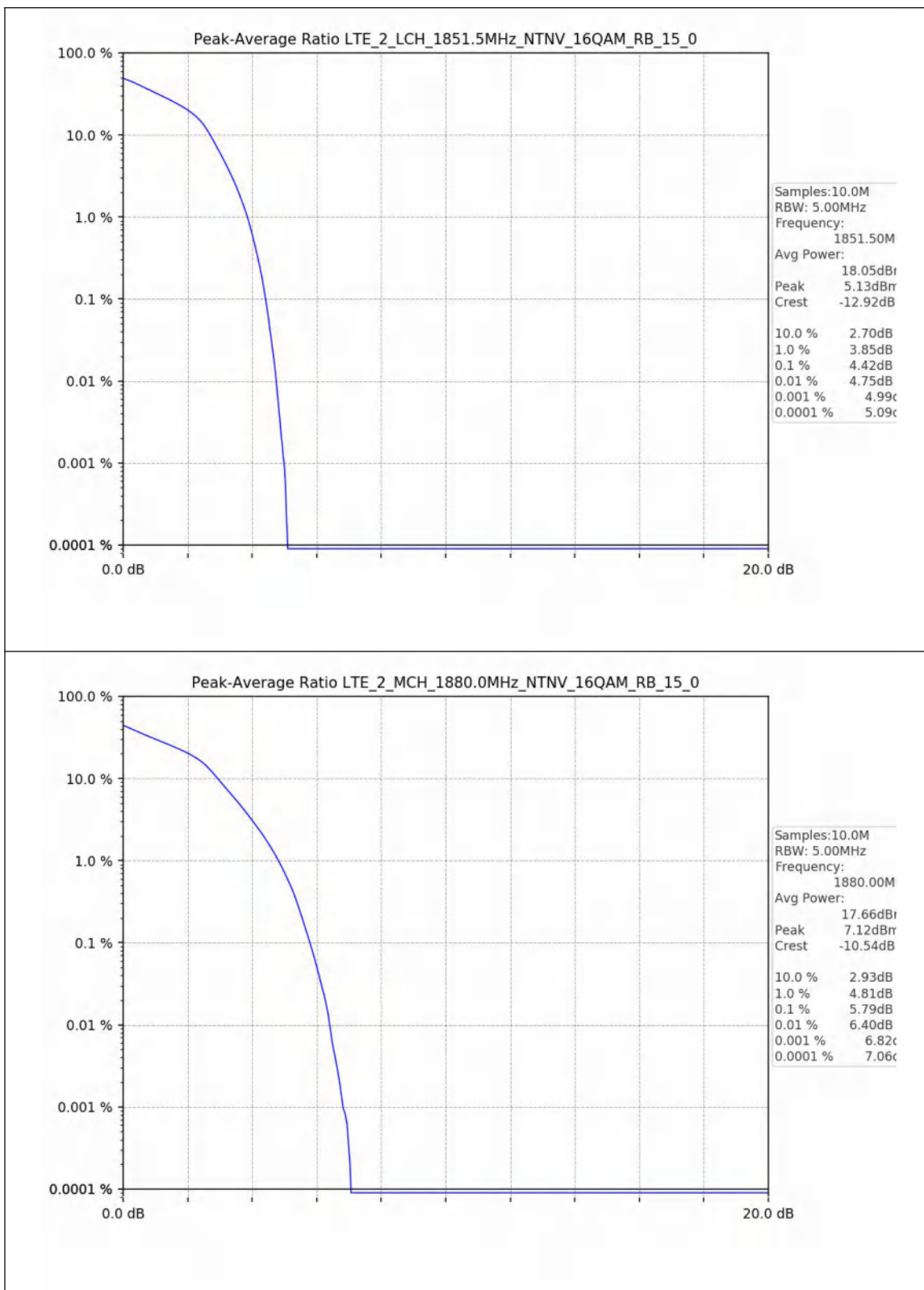


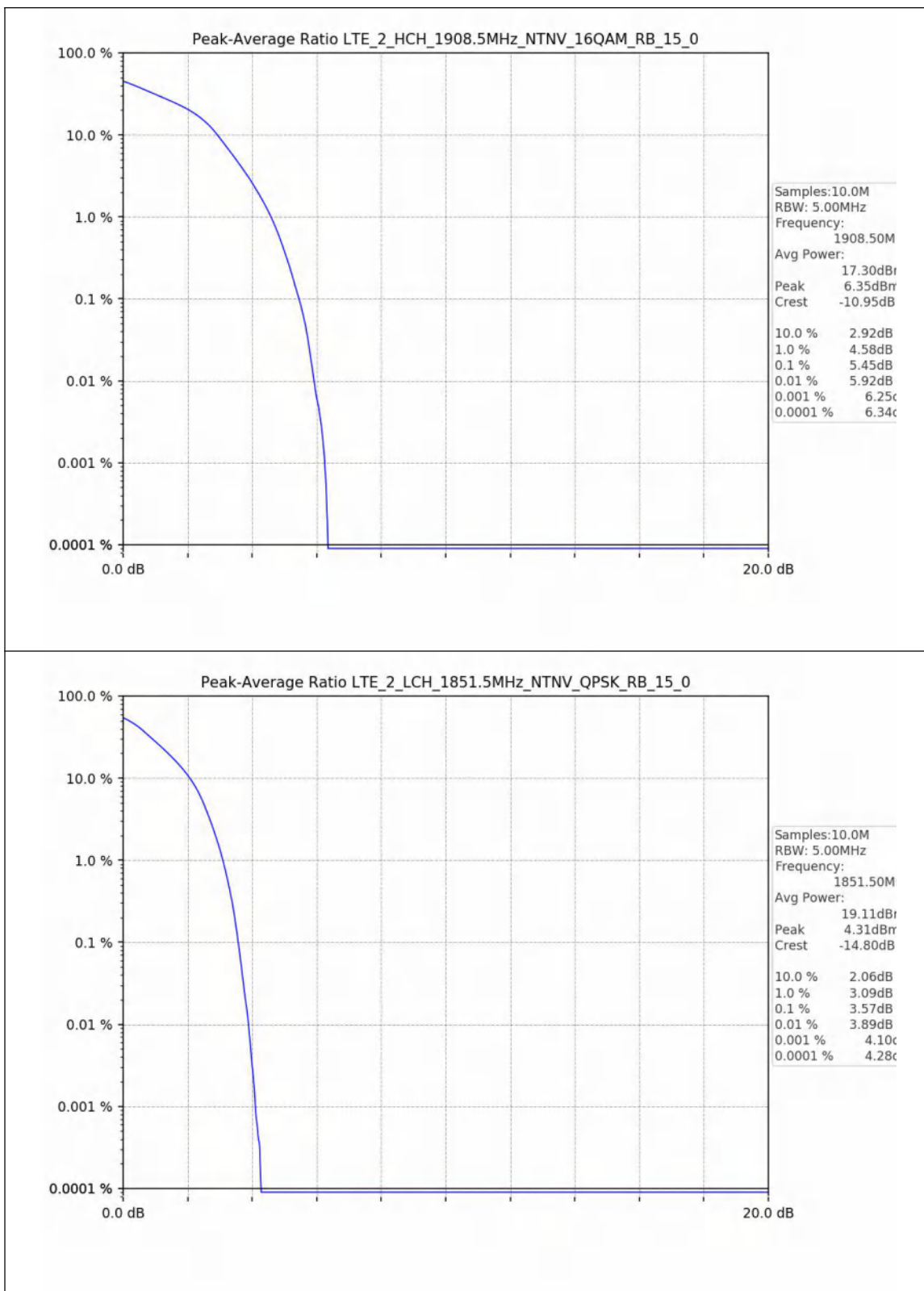


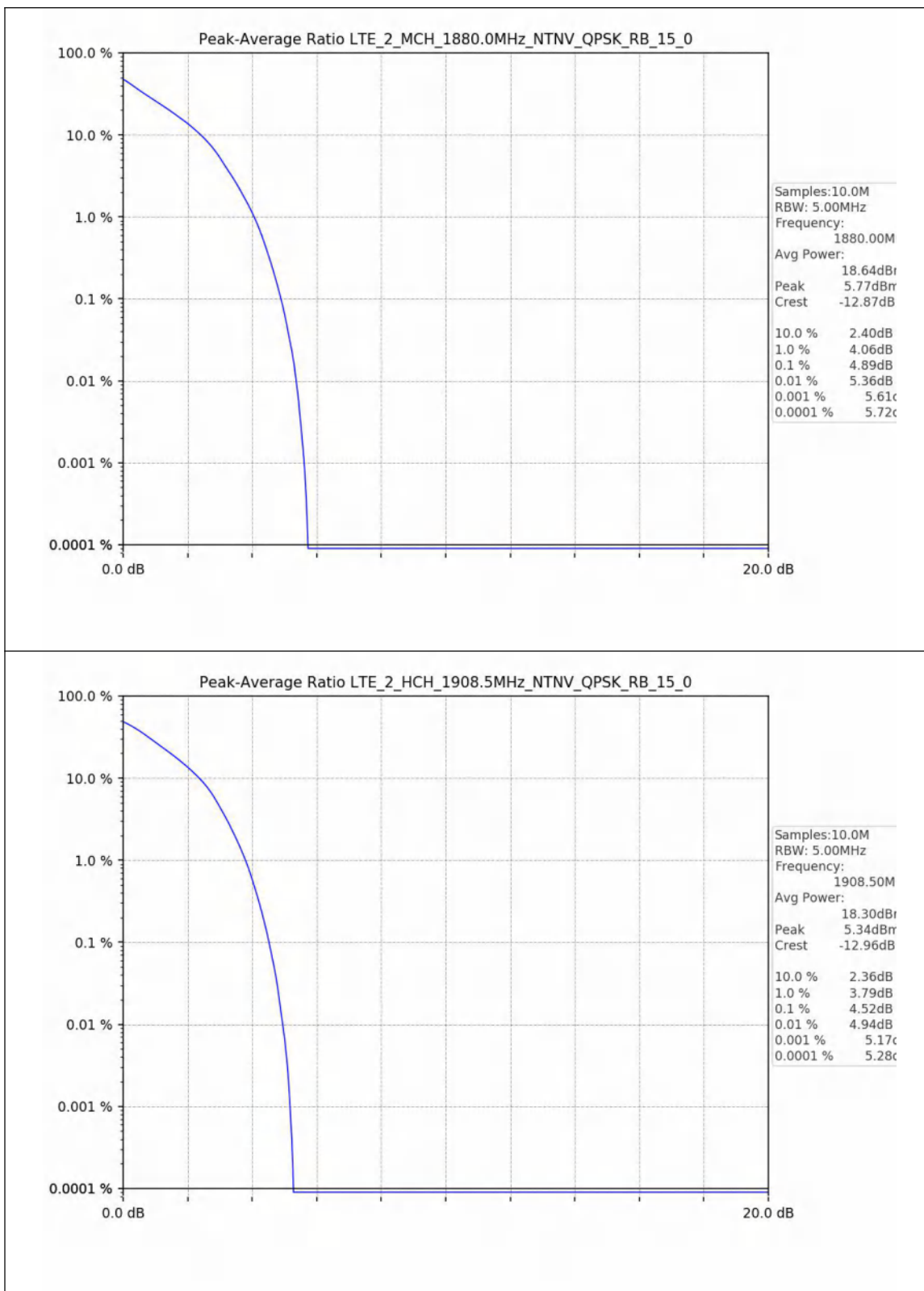


Test Band: 2_3MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	3.57	4.89	4.52	13	PASS
16QAM	15	0	4.42	5.79	5.45	13	PASS

5.2 Test Graph



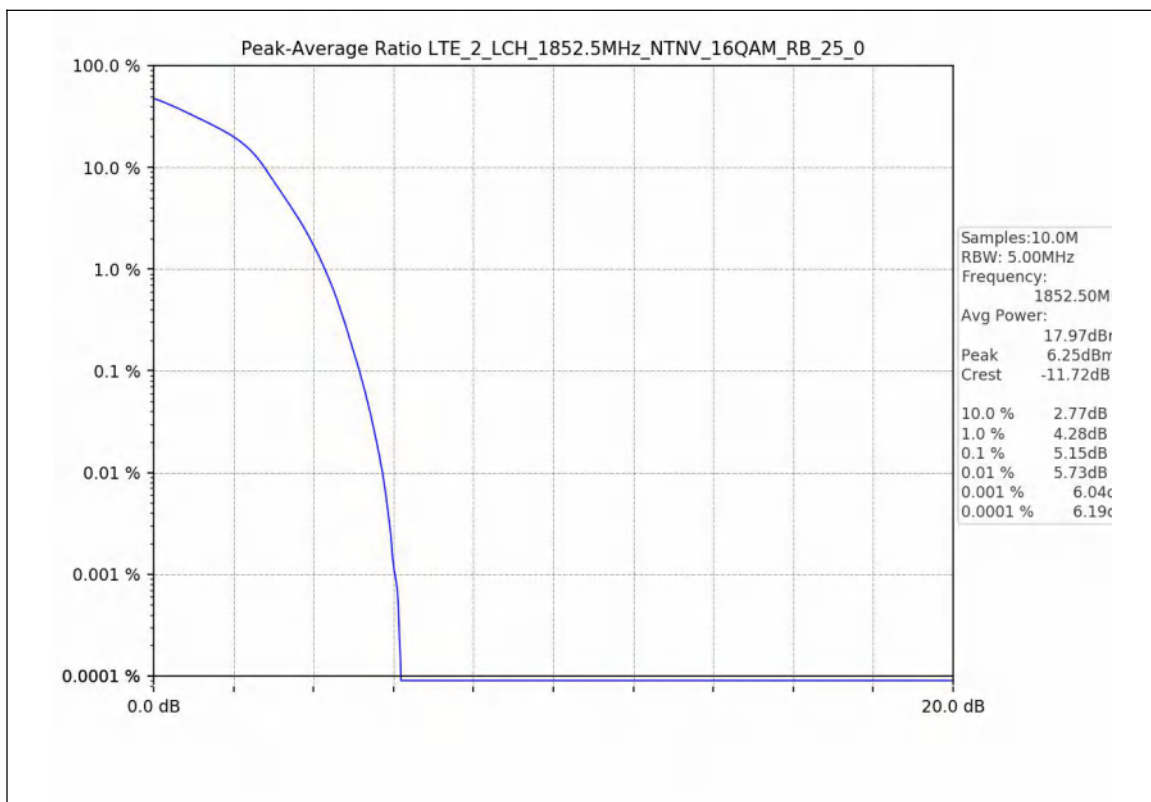


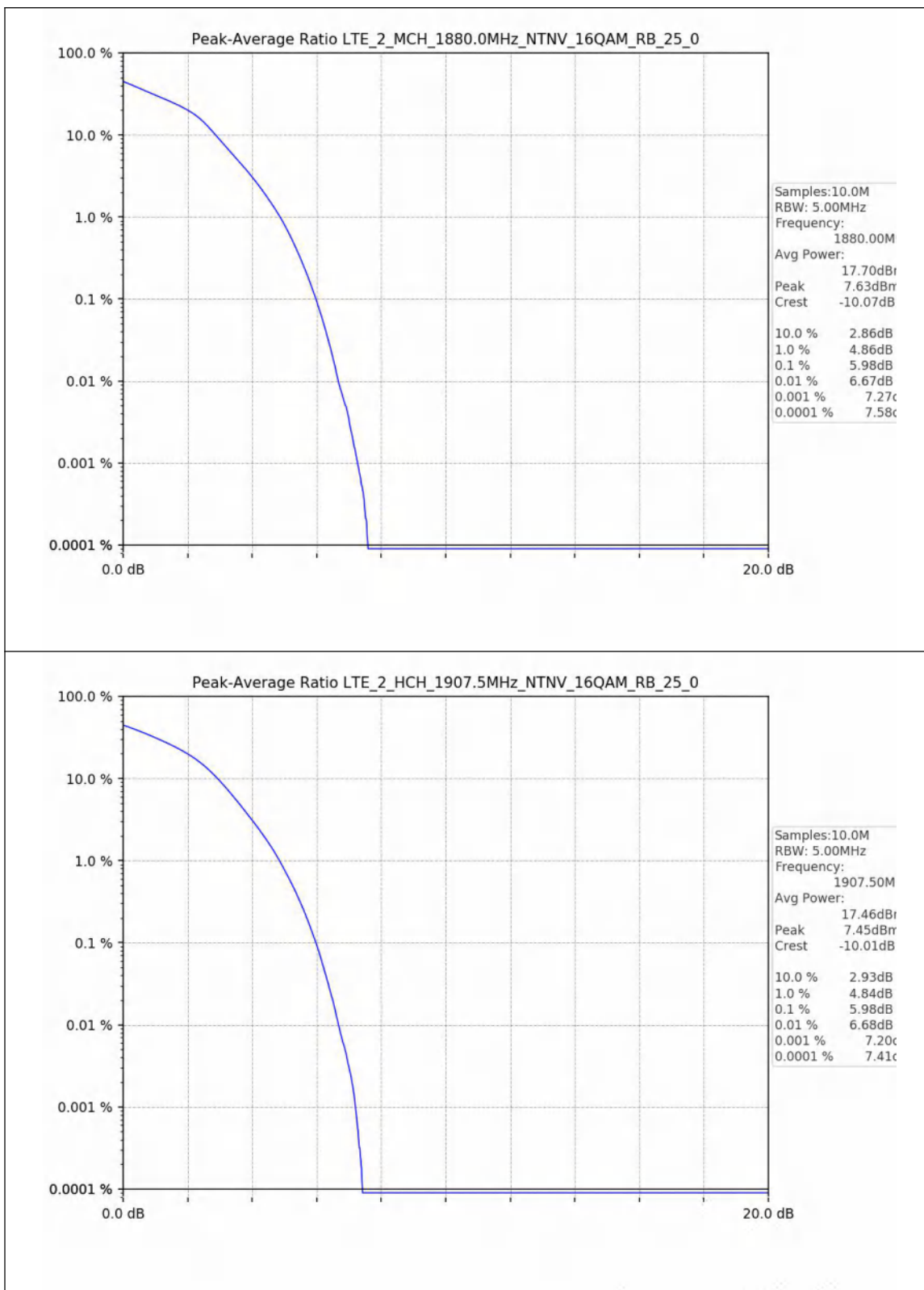


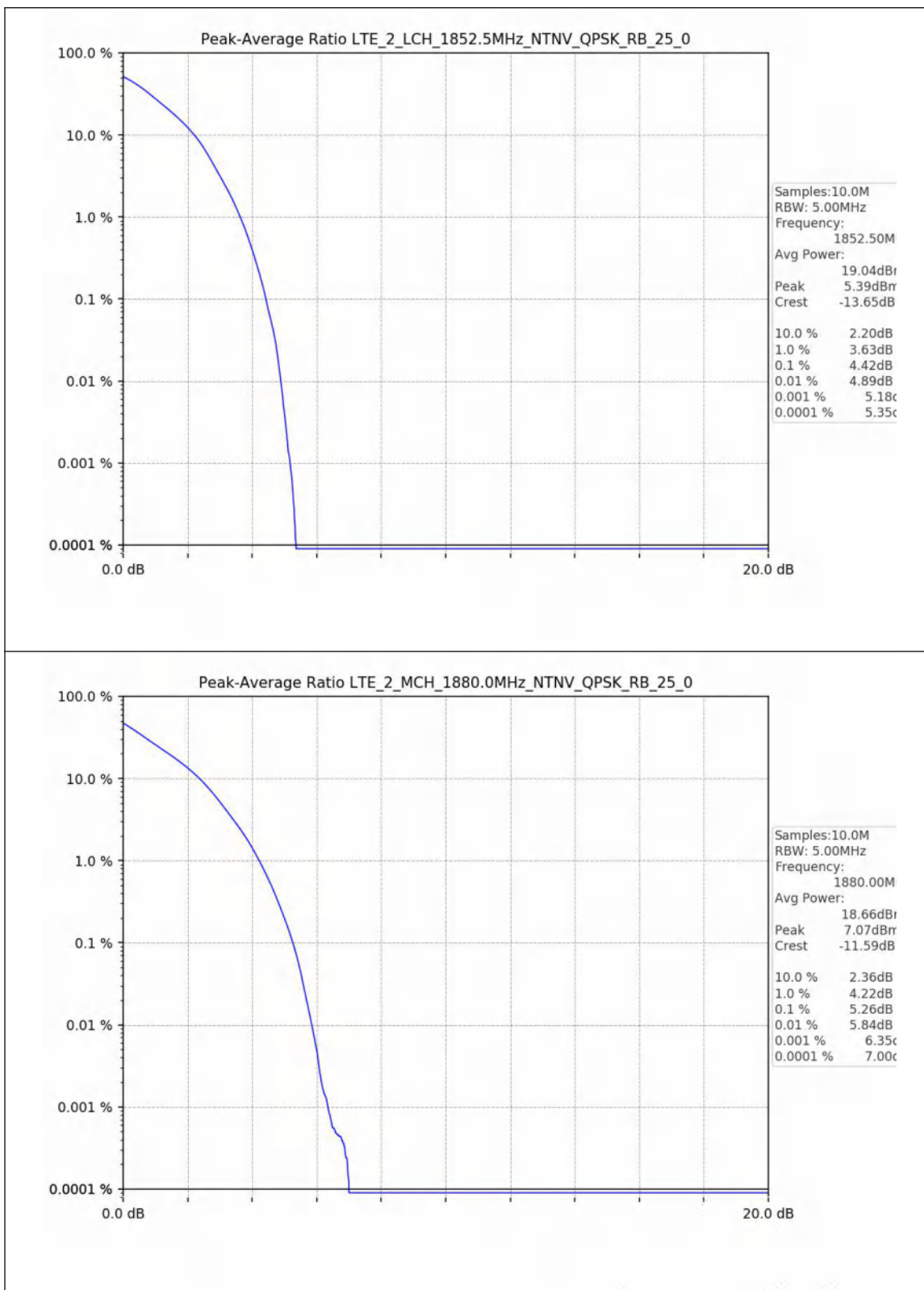
Test Band: 2_5MHz Bandwidth				
Test Mode	RB Allocation	Test result (dB)	Limit (dB)	Verdict

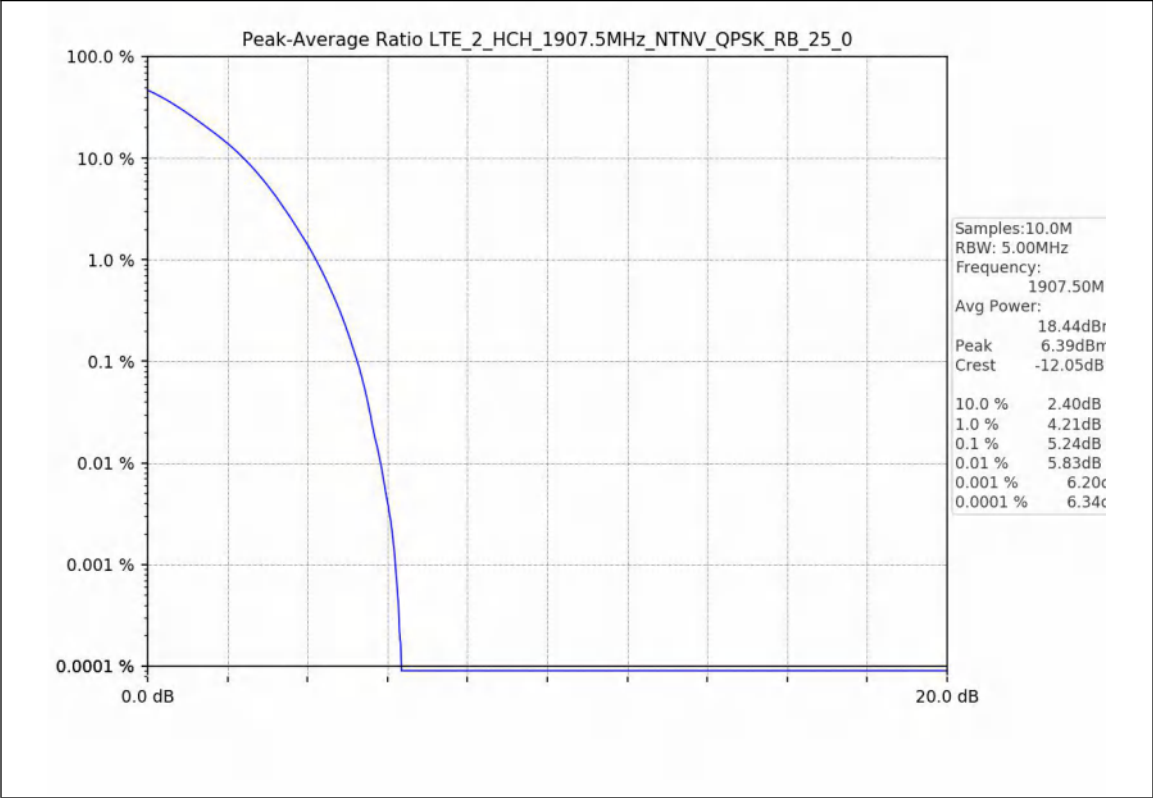
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.42	5.26	5.24	13	PASS
16QAM	25	0	5.15	5.98	5.98	13	PASS

5.2 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	6.10	6.16	6.21	13	PASS
16QAM	50	0	6.72	6.73	6.86	13	PASS

5.2 Test Graph

