



Appendix G

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: 4 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	17.64	18.35	18.60	/	3.00	20.64	21.35	21.60	30.00	PASS
		2	17.74	18.45	18.78	/	3.00	20.74	21.45	21.78	30.00	PASS
		5	17.60	18.24	18.64	/	3.00	20.60	21.24	21.64	30.00	PASS
	3	0	17.63	18.34	18.71	/	3.00	20.63	21.34	21.71	30.00	PASS
		2	17.66	18.35	18.76	/	3.00	20.66	21.35	21.76	30.00	PASS
		3	17.62	18.29	18.74	/	3.00	20.62	21.29	21.74	30.00	PASS
16QAM	6	0	16.65	17.42	17.67	/	3.00	19.65	20.42	20.67	30.00	PASS
			16.58	17.26	17.32	/	3.00	19.58	20.26	20.32	30.00	PASS
		1	2	16.72	17.38	17.60	/	3.00	19.72	20.38	20.60	30.00
	5		16.55	17.15	17.48	/	3.00	19.55	20.15	20.48	30.00	PASS
	3		0	16.49	17.12	17.47	/	3.00	19.49	20.12	20.47	30.00
		2	16.51	17.12	17.50	/	3.00	19.51	20.12	20.50	30.00	PASS
		3	16.48	17.08	17.50	/	3.00	19.48	20.08	20.50	30.00	PASS
	6	0	15.53	16.17	16.68	/	3.00	18.53	19.17	19.68	30.00	PASS
	Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)											

Test Band: 4 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	17.64	18.42	18.51	/	3.00	20.64	21.42	21.51	30.00	PASS	
		7	17.91	18.53	18.98	/	3.00	20.91	21.53	21.98	30.00	PASS	
		14	17.68	18.14	18.68	/	3.00	20.68	21.14	21.68	30.00	PASS	
	8	0	16.74	17.42	17.59	/	3.00	19.74	20.42	20.59	30.00	PASS	
		4	16.75	17.40	17.69	/	3.00	19.75	20.40	20.69	30.00	PASS	
		7	16.72	17.34	17.66	/	3.00	19.72	20.34	20.66	30.00	PASS	
16QAM	15	0	16.65	17.28	17.60	/	3.00	19.65	20.28	20.60	30.00	PASS	
			16.49	17.51	17.65	/	3.00	19.49	20.51	20.65	30.00	PASS	
		7	16.72	17.60	17.93	/	3.00	19.72	20.60	20.93	30.00	PASS	
	1	14	16.51	17.16	17.78	/	3.00	19.51	20.16	20.78	30.00	PASS	
		8	0	15.75	16.42	16.61	/	3.00	18.75	19.42	19.61	30.00	PASS
			4	15.74	16.39	16.68	/	3.00	18.74	19.39	19.68	30.00	PASS
	7		15.70	16.31	16.67	/	3.00	18.70	19.31	19.67	30.00	PASS	
	15	0	15.57	16.31	16.55	/	3.00	18.57	19.31	19.55	30.00	PASS	
	Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)												

Test Band: 4 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	17.63	18.51	18.29	/	3.00	20.63	21.51	21.29	30.00	PASS
		13	17.83	18.43	18.66	/	3.00	20.83	21.43	21.66	30.00	PASS

		24	17.81	18.02	18.62	/	3.00	20.81	21.02	21.62	30.00	PASS
	12	0	16.69	17.32	17.53	/	3.00	19.69	20.32	20.53	30.00	PASS
		6	16.70	17.36	17.59	/	3.00	19.70	20.36	20.59	30.00	PASS
		13	16.68	17.22	17.58	/	3.00	19.68	20.22	20.58	30.00	PASS
		25	0	16.70	17.28	17.53	/	3.00	19.70	20.28	20.53	30.00
16QAM	1	16.63		17.45	17.44	/	3.00	19.63	20.45	20.44	30.00	PASS
	1	13	16.77	17.32	17.80	/	3.00	19.77	20.32	20.80	30.00	PASS
		24	16.75	16.96	17.74	/	3.00	19.75	19.96	20.74	30.00	PASS
		12	0	15.74	16.33	16.57	/	3.00	18.74	19.33	19.57	30.00
	6		15.75	16.38	16.67	/	3.00	18.75	19.38	19.67	30.00	PASS
	13		15.74	16.21	16.67	/	3.00	18.74	19.21	19.67	30.00	PASS
	25		0	15.75	16.25	16.54	/	3.00	18.75	19.25	19.54	30.00
Note:												
1) dBd = dBi - 2.15												
2) EIRP = Conducted output power + Antenna gain (dBi)												

Test Band: 4 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	17.67	18.73	17.83	/	3.00	20.67	21.73	20.83	30.00	PASS
		25	17.97	18.44	18.46	/	3.00	20.97	21.44	21.46	30.00	PASS
		49	18.45	17.86	18.66	/	3.00	21.45	20.86	21.66	30.00	PASS
	25	0	16.83	17.47	17.33	/	3.00	19.83	20.47	20.33	30.00	PASS
		13	16.89	17.35	17.38	/	3.00	19.89	20.35	20.38	30.00	PASS
		25	17.17	17.20	17.48	/	3.00	20.17	20.20	20.48	30.00	PASS
16QAM	50	0	16.94	17.30	17.39	/	3.00	19.94	20.30	20.39	30.00	PASS
			16.46	17.81	16.91	/	3.00	19.46	20.81	19.91	30.00	PASS
		25	16.85	17.45	17.52	/	3.00	19.85	20.45	20.52	30.00	PASS
	1	49	17.27	16.85	17.74	/	3.00	20.27	19.85	20.74	30.00	PASS
		0	15.83	16.42	16.35	/	3.00	18.83	19.42	19.35	30.00	PASS
		13	15.91	16.29	16.43	/	3.00	18.91	19.29	19.43	30.00	PASS
	25	25	16.17	16.14	16.50	/	3.00	19.17	19.14	19.50	30.00	PASS
		0	15.95	16.23	16.38	/	3.00	18.95	19.23	19.38	30.00	PASS

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

Test Band: 4 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	17.64	18.84	17.56	/	3.00	20.64	21.84	20.56	30.00	PASS
		38	18.31	18.41	18.09	/	3.00	21.31	21.41	21.09	30.00	PASS
		74	18.79	17.64	18.53	/	3.00	21.79	20.64	21.53	30.00	PASS
	36	0	17.04	17.69	17.00	/	3.00	20.04	20.69	20.00	30.00	PASS
		18	17.35	17.52	17.15	/	3.00	20.35	20.52	20.15	30.00	PASS
		39	17.87	17.21	17.38	/	3.00	20.87	20.21	20.38	30.00	PASS
16QAM	75	0	17.47	17.40	17.14	/	3.00	20.47	20.40	20.14	30.00	PASS
			16.76	17.70	16.61	/	3.00	19.76	20.70	19.61	30.00	PASS
		38	17.34	17.21	17.22	/	3.00	20.34	20.21	20.22	30.00	PASS
	1	74	17.95	16.44	17.73	/	3.00	20.95	19.44	20.73	30.00	PASS
		0	16.00	16.59	15.95	/	3.00	19.00	19.59	18.95	30.00	PASS
		18	16.35	16.44	16.16	/	3.00	19.35	19.44	19.16	30.00	PASS
	36	39	16.89	16.06	16.35	/	3.00	19.89	19.06	19.35	30.00	PASS
		0	16.42	16.33	16.09	/	3.00	19.42	19.33	19.09	30.00	PASS

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

Test Band: 4 _ 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	17.51	18.49	17.80	/	3.00	20.51	21.49	20.80	30.00	PASS
		50	18.79	18.45	18.03	/	3.00	21.79	21.45	21.03	30.00	PASS
		99	18.54	17.31	18.46	/	3.00	21.54	20.31	21.46	30.00	PASS
	50	0	16.99	17.47	16.79	/	3.00	19.99	20.47	19.79	30.00	PASS
		25	17.55	17.32	16.89	/	3.00	20.55	20.32	19.89	30.00	PASS
		50	18.00	16.90	16.98	/	3.00	21.00	19.90	19.98	30.00	PASS
16QAM	100	0	17.53	17.15	16.90	/	3.00	20.53	20.15	19.90	30.00	PASS
			16.44	17.60	16.78	/	3.00	19.44	20.60	19.78	30.00	PASS
		50	17.68	17.42	17.11	/	3.00	20.68	20.42	20.11	30.00	PASS
	1	99	17.51	16.40	17.54	/	3.00	20.51	19.40	20.54	30.00	PASS
		0	16.06	16.53	15.77	/	3.00	19.06	19.53	18.77	30.00	PASS
		25	16.59	16.36	15.91	/	3.00	19.59	19.36	18.91	30.00	PASS
	50	50	17.06	15.95	16.00	/	3.00	20.06	18.95	19.00	30.00	PASS
		0	16.62	16.11	15.87	/	3.00	19.62	19.11	18.87	30.00	PASS

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

2. Frequency stability

2.1 Test Result

Test Band: 4 _ 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	10.3140	2.6178	2.0027	0.0060	0.0015	0.0011	2.50	PASS
				NV	7.5388	2.2316	-0.2003	0.0044	0.0013	-0.0001	2.50	PASS
				HV	6.0511	4.5919	1.4448	0.0035	0.0027	0.0008	2.50	PASS
16QAM	6	0	NT	LV	3.4475	3.1042	-3.6192	0.0020	0.0018	-0.0021	2.50	PASS
				NV	3.4189	0.3719	-1.8740	0.0020	0.0002	-0.0011	2.50	PASS
				HV	4.2200	0.2289	-3.3474	0.0025	0.0001	-0.0019	2.50	PASS

Test Band: 4 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	8.9121	-0.3147	-4.1914	0.0052	-0.0002	-0.0024	2.50	PASS
				-20.00	3.6049	-20.1559	-3.5763	0.0021	-0.0116	-0.0020	2.50	PASS
				-10.00	5.4932	-7.8821	-4.8780	0.0032	-0.0045	-0.0028	2.50	PASS
				0.00	4.2200	-5.0211	-6.2227	0.0025	-0.0029	-0.0035	2.50	PASS
				10.00	3.1185	-1.7452	-1.9884	0.0018	-0.0010	-0.0011	2.50	PASS
				20.00	2.8324	-5.2929	2.1315	0.0017	-0.0031	0.0012	2.50	PASS
				30.00	4.6635	-3.1185	-2.7466	0.0027	-0.0018	-0.0016	2.50	PASS
				40.00	0.0858	-0.6723	-5.1498	0.0001	-0.0004	-0.0029	2.50	PASS
				50.00	5.9080	-5.0497	-2.3174	0.0035	-0.0029	-0.0013	2.50	PASS
16QAM	6	0	NV	-30.00	2.6321	1.9026	-0.6294	0.0015	0.0011	-0.0004	2.50	PASS
				-20.00	2.8467	-4.7207	-2.5606	0.0017	-0.0027	-0.0015	2.50	PASS
				-10.00	2.9325	-1.2445	-2.0313	0.0017	-0.0007	-0.0012	2.50	PASS
				0.00	3.7766	-5.0783	-3.7193	0.0022	-0.0029	-0.0021	2.50	PASS
				10.00	2.8181	0.0429	-3.5191	0.0016	0.0000	-0.0020	2.50	PASS

				20.00	2.6464	0.4721	-4.9496	0.0015	0.0003	-0.0028	2.50	PASS
				30.00	4.7922	0.7725	-3.8910	0.0028	0.0004	-0.0022	2.50	PASS
				40.00	5.4073	-4.4346	-2.7466	0.0032	-0.0026	-0.0016	2.50	PASS
				50.00	8.4257	-4.1771	-1.2016	0.0049	-0.0024	-0.0007	2.50	PASS

Test Band: 4 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	1.7452	-0.2861	-2.0599	0.0010	-0.0002	-0.0012	2.50	PASS
				NV	-3.3045	-5.0640	-6.9094	-0.0019	-0.0029	-0.0039	2.50	PASS
				HV	-2.4033	-3.4761	2.2316	-0.0014	-0.0020	0.0013	2.50	PASS
16QAM	15	0	NT	LV	6.3086	-4.7779	-0.8583	0.0037	-0.0028	-0.0005	2.50	PASS
				NV	1.9598	-2.5177	-0.8583	0.0011	-0.0015	-0.0005	2.50	PASS
				HV	4.1628	-1.0157	-0.3576	0.0024	-0.0006	-0.0002	2.50	PASS

Test Band: 4 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	-2.0456	-4.6778	-3.7050	-0.0012	-0.0027	-0.0021	2.50	PASS
				-20.00	-2.6035	-4.2200	-3.3617	-0.0015	-0.0024	-0.0019	2.50	PASS
				-10.00	-7.7105	11.8732	-0.8583	-0.0045	-0.0069	-0.0005	2.50	PASS
				0.00	-5.2071	-9.4700	-7.5245	-0.0030	-0.0055	-0.0043	2.50	PASS
				10.00	-4.0197	-4.7207	-3.4332	-0.0023	-0.0027	-0.0020	2.50	PASS
				20.00	-5.2786	-3.3617	-3.6907	-0.0031	-0.0019	-0.0021	2.50	PASS
				30.00	-0.9298	-7.4530	-2.1172	-0.0005	-0.0043	-0.0012	2.50	PASS
				40.00	-1.7595	-6.9666	-3.0613	-0.0010	-0.0040	-0.0017	2.50	PASS
				50.00	-2.7609	-2.8038	-5.7220	-0.0016	-0.0016	-0.0033	2.50	PASS
16QAM	15	0	NV	-30.00	1.7595	-0.1574	0.1574	0.0010	-0.0001	0.0001	2.50	PASS
				-20.00	4.1199	-0.6437	2.2316	0.0024	-0.0004	0.0013	2.50	PASS
				-10.00	3.9768	-0.8726	2.3746	0.0023	-0.0005	0.0014	2.50	PASS
				0.00	-0.4721	-4.4632	15.4638	-0.0003	-0.0026	-0.0088	2.50	PASS
				10.00	3.2759	0.6580	-9.0265	0.0019	0.0004	-0.0051	2.50	PASS
				20.00	2.5034	-4.7779	0.9871	0.0015	-0.0028	0.0006	2.50	PASS
				30.00	4.7350	0.3576	1.0586	0.0028	0.0002	0.0006	2.50	PASS
				40.00	3.5191	-2.2888	2.7609	0.0021	-0.0013	0.0016	2.50	PASS
				50.00	1.4448	-3.2473	-3.7336	0.0008	-0.0019	-0.0021	2.50	PASS

Test Band: 4 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	-4.0913	-4.1485	-4.0054	-0.0024	-0.0024	-0.0023	2.50	PASS
				NV	-7.4100	-2.6321	-7.0524	-0.0043	-0.0015	-0.0040	2.50	PASS
				HV	1.2445	-1.9598	-4.0483	0.0007	-0.0011	-0.0023	2.50	PASS
16QAM	25	0	NT	LV	0.7725	1.7595	-0.3004	0.0005	0.0010	-0.0002	2.50	PASS
				NV	-1.9312	-1.4734	-2.6464	-0.0011	-0.0009	-0.0015	2.50	PASS
				HV	-3.3760	-0.7868	-4.3774	-0.0020	-0.0005	-0.0025	2.50	PASS

Test Band: 4 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	-0.0715	-4.3774	-5.2929	0.0000	-0.0025	-0.0030	2.50	PASS
				-20.00	-6.0797	-2.6178	-7.6532	-0.0036	-0.0015	-0.0044	2.50	PASS

				-10.00	-7.5388	-0.1431	-4.4632	-0.0044	-0.0001	-0.0025	2.50	PASS
				0.00	-5.3787	-6.6805	-2.2173	-0.0031	-0.0039	-0.0013	2.50	PASS
				10.00	-6.0654	-1.0443	-6.4945	-0.0035	-0.0006	-0.0037	2.50	PASS
				20.00	-6.2513	-	-9.0551	-0.0037	-0.0060	-0.0052	2.50	PASS
				30.00	-5.9795	-6.2656	-5.3644	-0.0035	-0.0036	-0.0031	2.50	PASS
				40.00	-6.9809	-2.6608	-6.8808	-0.0041	-0.0015	-0.0039	2.50	PASS
				50.00	-3.9911	-2.7466	-2.9325	-0.0023	-0.0016	-0.0017	2.50	PASS
				10.00	8.2827	-4.9639	-2.4891	0.0048	-0.0029	-0.0014	2.50	PASS
16QAM	25	0	NV	-30.00	2.0885	-1.8168	-2.9182	0.0012	-0.0010	-0.0017	2.50	PASS
				-20.00	0.3433	-3.1900	-6.9952	0.0002	-0.0018	-0.0040	2.50	PASS
				-10.00	-0.9441	-5.9795	-2.6608	-0.0006	-0.0035	-0.0015	2.50	PASS
				0.00	-0.3290	-2.1029	-4.9067	-0.0002	-0.0012	-0.0028	2.50	PASS
				10.00	8.2827	-4.9639	-2.4891	0.0048	-0.0029	-0.0014	2.50	PASS
				20.00	-0.5007	-	-1.7595	-0.0003	-0.0153	-0.0010	2.50	PASS
				30.00	0.0000	-3.7336	-8.4257	0.0000	-0.0022	-0.0048	2.50	PASS
				40.00	-1.1873	-4.1056	-7.7963	-0.0007	-0.0024	-0.0044	2.50	PASS
				50.00	2.6321	-5.8937	-	0.0015	-0.0034	-0.0066	2.50	PASS
							11.6158					

Test Band: 4 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	-9.9707	-6.3086	-3.9482	-0.0058	-0.0036	-0.0023	2.50	PASS
				NV	-3.2759	-6.7949	-2.3746	-0.0019	-0.0039	-0.0014	2.50	PASS
				HV	-5.0354	-4.0770	-2.6035	-0.0029	-0.0024	-0.0015	2.50	PASS
16QAM	50	0	NT	LV	-0.4435	-3.9196	-2.8753	-0.0003	-0.0023	-0.0016	2.50	PASS
				NV	-5.6076	-3.1185	-1.4305	-0.0033	-0.0018	-0.0008	2.50	PASS
				HV	-4.4060	-8.0395	-4.7922	-0.0026	-0.0046	-0.0027	2.50	PASS

Test Band: 4 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	-3.9625	-4.6778	-4.1485	-0.0023	-0.0027	-0.0024	2.50	PASS
				-20.00	-5.1785	-8.3685	-7.2956	-0.0030	-0.0048	-0.0042	2.50	PASS
				-10.00	-2.8181	-6.8378	-4.5776	-0.0016	-0.0039	-0.0026	2.50	PASS
				0.00	-3.4332	-5.6362	-4.8637	-0.0020	-0.0033	-0.0028	2.50	PASS
				10.00	-3.9768	0.7582	-2.1744	-0.0023	0.0004	-0.0012	2.50	PASS
				20.00	-4.6635	-4.7636	-4.0913	-0.0027	-0.0027	-0.0023	2.50	PASS
				30.00	-5.3215	-2.7752	-4.4489	-0.0031	-0.0016	-0.0025	2.50	PASS
				40.00	-5.8222	-4.2486	-4.5776	-0.0034	-0.0025	-0.0026	2.50	PASS
				50.00	-7.1955	-4.0340	-6.4659	-0.0042	-0.0023	-0.0037	2.50	PASS
16QAM	50	0	NV	-30.00	-5.6362	-9.8276	-6.1512	-0.0033	-0.0057	-0.0035	2.50	PASS
				-20.00	-4.8780	-0.4578	-3.2043	-0.0028	-0.0003	-0.0018	2.50	PASS
				-10.00	-4.4346	0.2432	-3.3474	-0.0026	0.0001	-0.0019	2.50	PASS
				0.00	-4.5633	-0.3147	-5.8508	-0.0027	-0.0002	-0.0033	2.50	PASS
				10.00	-4.4775	-2.4891	-5.3072	-0.0026	-0.0014	-0.0030	2.50	PASS
				20.00	-4.6206	-4.8923	-2.4748	-0.0027	-0.0028	-0.0014	2.50	PASS
				30.00	-3.8195	-2.8896	-2.1601	-0.0022	-0.0017	-0.0012	2.50	PASS
				40.00	-4.7207	-0.7582	-1.3018	-0.0028	-0.0004	-0.0007	2.50	PASS
				50.00	-3.0756	-0.6580	-1.5163	-0.0018	-0.0004	-0.0009	2.50	PASS

Test Band: 4 _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	-5.7220	-7.0667	-7.0381	-0.0033	-0.0041	-0.0040	2.50	PASS
				NV	-2.9182	-9.4843	-1.3733	-0.0017	-0.0055	-0.0008	2.50	PASS
				HV	-4.4060	-7.8106	-4.9639	-0.0026	-0.0045	-0.0028	2.50	PASS
16QAM	75	0	NT	LV	-0.8726	-7.1239	-5.0926	-0.0005	-0.0041	-0.0029	2.50	PASS
				NV	-0.2575	-8.3256	-8.2541	-0.0001	-0.0048	-0.0047	2.50	PASS
				HV	-1.2588	-5.4073	-5.6648	-0.0007	-0.0031	-0.0032	2.50	PASS

Test Band: 4 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	-5.7077	-7.9966	-3.5191	-0.0033	-0.0046	-0.0020	2.50	PASS
				-20.00	-4.7064	-6.9380	-6.0797	-0.0027	-0.0040	-0.0035	2.50	PASS
				-10.00	-6.4659	-6.6662	-4.5204	-0.0038	-0.0038	-0.0026	2.50	PASS
				0.00	-7.8249	-1.9169	-3.6907	-0.0046	-0.0011	-0.0021	2.50	PASS
				10.00	-4.5490	-4.1199	-6.1226	-0.0026	-0.0024	-0.0035	2.50	PASS
				20.00	-4.8923	-4.5776	-7.9966	-0.0028	-0.0026	-0.0046	2.50	PASS
				30.00	-4.4775	-6.7234	-5.1928	-0.0026	-0.0039	-0.0030	2.50	PASS
				40.00	4.0483	-6.7663	-4.7064	0.0024	-0.0039	-0.0027	2.50	PASS
				50.00	-4.6778	-6.8808	-5.8079	-0.0027	-0.0040	-0.0033	2.50	PASS
16QAM	75	0	NV	-30.00	-2.8181	-13.1893	-9.0837	-0.0016	-0.0076	-0.0052	2.50	PASS
				-20.00	-2.2888	-8.7833	-6.9523	-0.0013	-0.0051	-0.0040	2.50	PASS
				-10.00	-1.2302	-7.5102	-7.7820	-0.0007	-0.0043	-0.0045	2.50	PASS
				0.00	-1.2588	-4.8065	-7.4959	-0.0007	-0.0028	-0.0043	2.50	PASS
				10.00	-6.2799	-7.9679	-10.2711	-0.0037	-0.0046	-0.0059	2.50	PASS
				20.00	-6.3229	-7.7820	-9.5558	-0.0037	-0.0045	-0.0055	2.50	PASS
				30.00	-6.7234	-5.5218	-9.4271	-0.0039	-0.0032	-0.0054	2.50	PASS
				40.00	-7.4100	-5.8365	-4.1914	-0.0043	-0.0034	-0.0024	2.50	PASS
				50.00	-7.2670	-3.3474	-8.5688	-0.0042	-0.0019	-0.0049	2.50	PASS

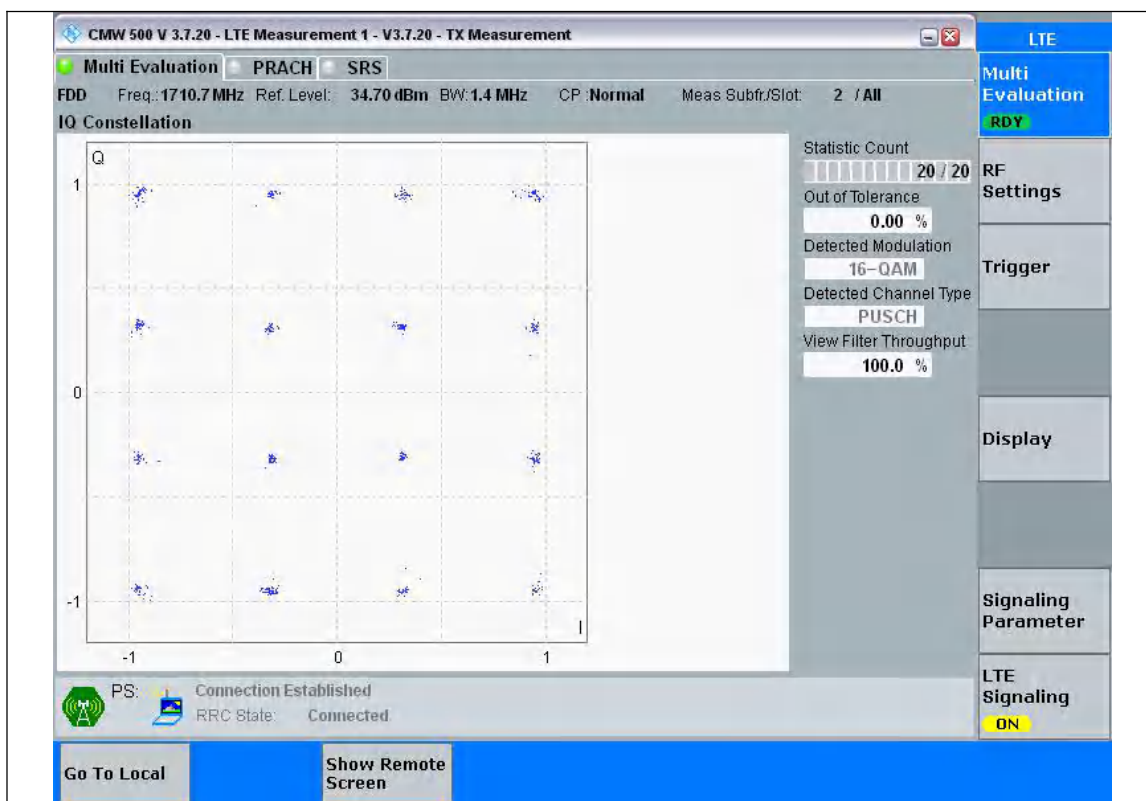
Test Band: 4 20MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NT	LV	-5.5790	-5.7220	-3.2902	-0.0032	-0.0033	-0.0019	2.50	PASS
				NV	-4.5347	-6.4230	-1.8597	-0.0026	-0.0037	-0.0011	2.50	PASS
				HV	-4.5061	-6.0368	-0.5865	-0.0026	-0.0035	-0.0003	2.50	PASS
16QAM	100	0	NT	LV	-3.7479	-7.7248	-4.7064	-0.0022	-0.0045	-0.0027	2.50	PASS
				NV	-5.8222	-8.1682	-5.7077	-0.0034	-0.0047	-0.0033	2.50	PASS
				HV	-5.8508	-6.2799	-3.9625	-0.0034	-0.0036	-0.0023	2.50	PASS

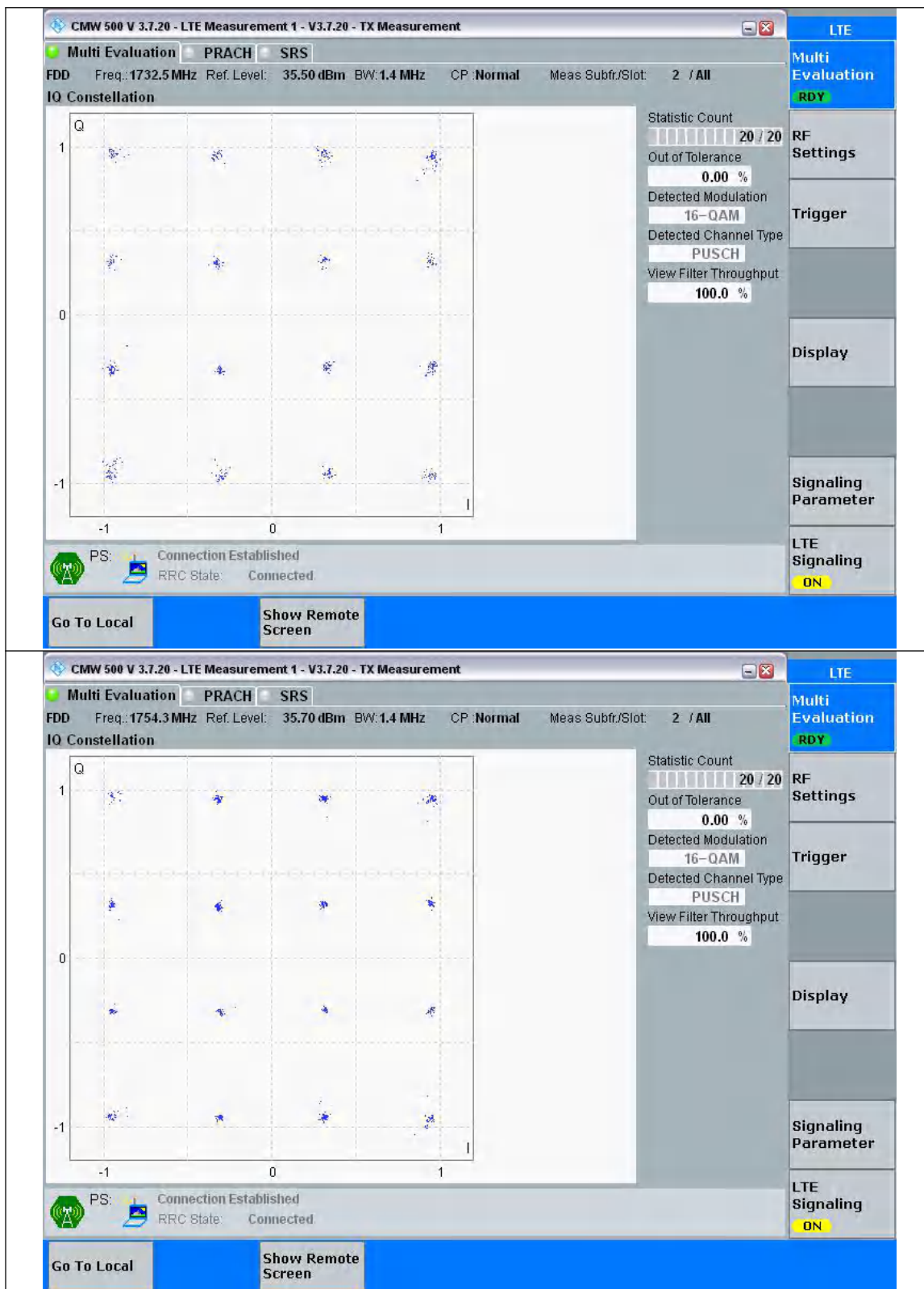
Test Band: 4 20MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NV	-30.00	-6.4802	-8.4829	-0.5865	-0.0038	-0.0049	-0.0003	2.50	PASS
				-20.00	-3.7479	-4.0054	1.6880	-0.0022	-0.0023	0.0010	2.50	PASS
				-10.00	-3.5334	-5.5790	-4.1199	-0.0021	-0.0032	-0.0024	2.50	PASS
				0.00	-3.6335	-4.6921	-1.2588	-0.0021	-0.0027	-0.0007	2.50	PASS
				10.00	-4.9639	-8.7404	-4.7636	-0.0029	-0.0050	-0.0027	2.50	PASS
				20.00	-4.2200	-7.6246	-2.9755	-0.0025	-0.0044	-0.0017	2.50	PASS
				30.00	-2.9469	-7.5245	-0.5150	-0.0017	-0.0043	-0.0003	2.50	PASS
				40.00	-2.7180	-7.0524	-3.1042	-0.0016	-0.0041	-0.0018	2.50	PASS
				50.00	-7.0810	-7.3671	-0.2575	-0.0041	-0.0043	-0.0001	2.50	PASS
16QAM	100	0	NV	-30.00	-4.9925	-6.1512	-3.2187	-0.0029	-0.0036	-0.0018	2.50	PASS
				-20.00	-6.9237	-7.4816	-6.4516	-0.0040	-0.0043	-0.0037	2.50	PASS

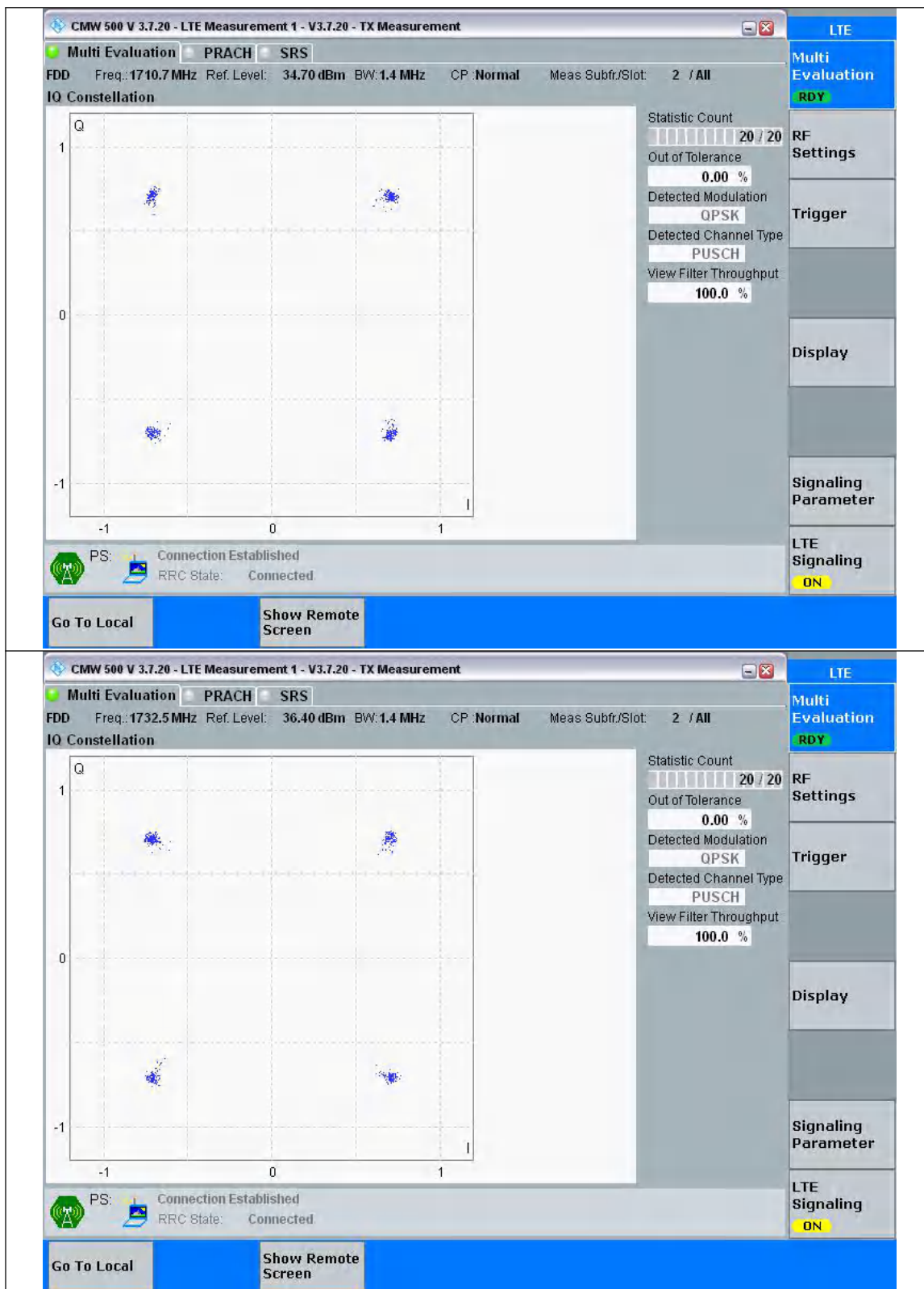
				-10.00	-4.2772	-3.6335	-6.0225	-0.0025	-0.0021	-0.0035	2.50	PASS
				0.00	-4.6635	-5.2214	-4.8351	-0.0027	-0.0030	-0.0028	2.50	PASS
				10.00	-3.2759	-9.4700	-3.6907	-0.0019	-0.0055	-0.0021	2.50	PASS
				20.00	-8.8549	-8.7261	-5.3358	-0.0051	-0.0050	-0.0031	2.50	PASS
				30.00	-4.4918	-6.8808	-3.9339	-0.0026	-0.0040	-0.0023	2.50	PASS
				40.00	-7.1383	-7.9393	-2.8038	-0.0042	-0.0046	-0.0016	2.50	PASS
				50.00	-3.9482	-7.0953	-7.1526	-0.0023	-0.0041	-0.0041	2.50	PASS

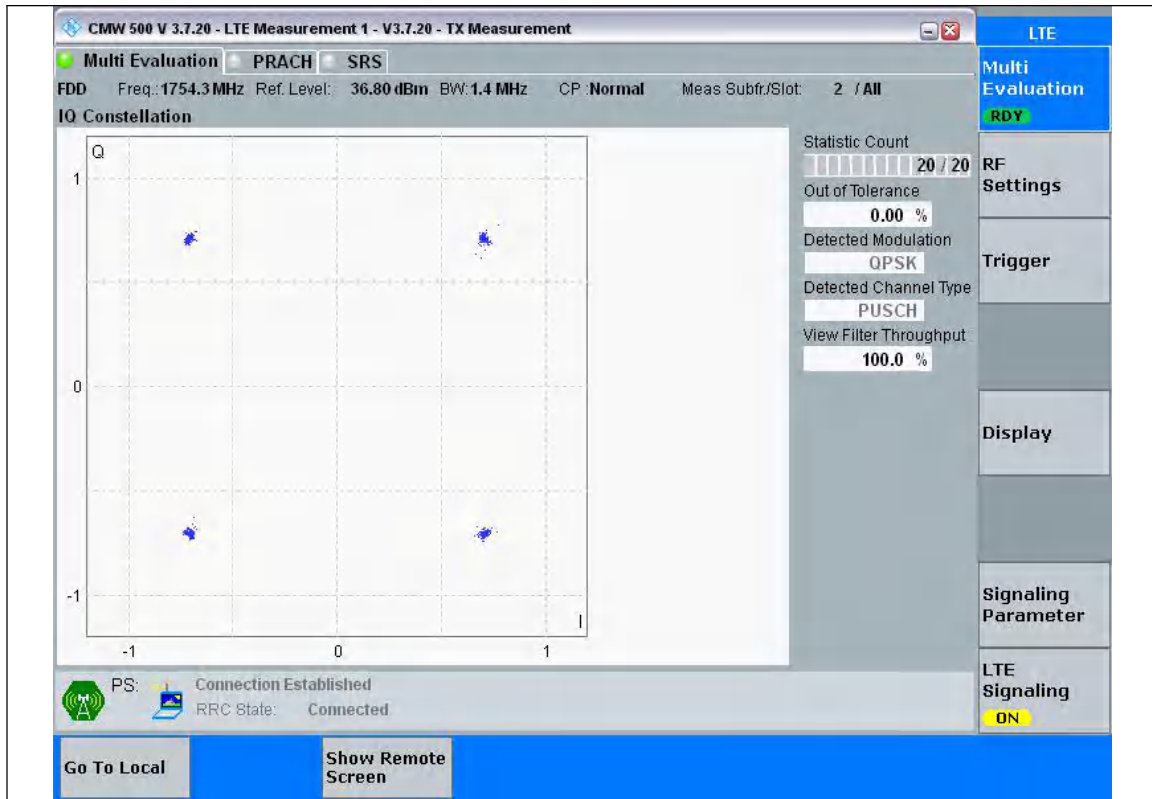
3. Modulation Characteristics

3.1 Test Graph

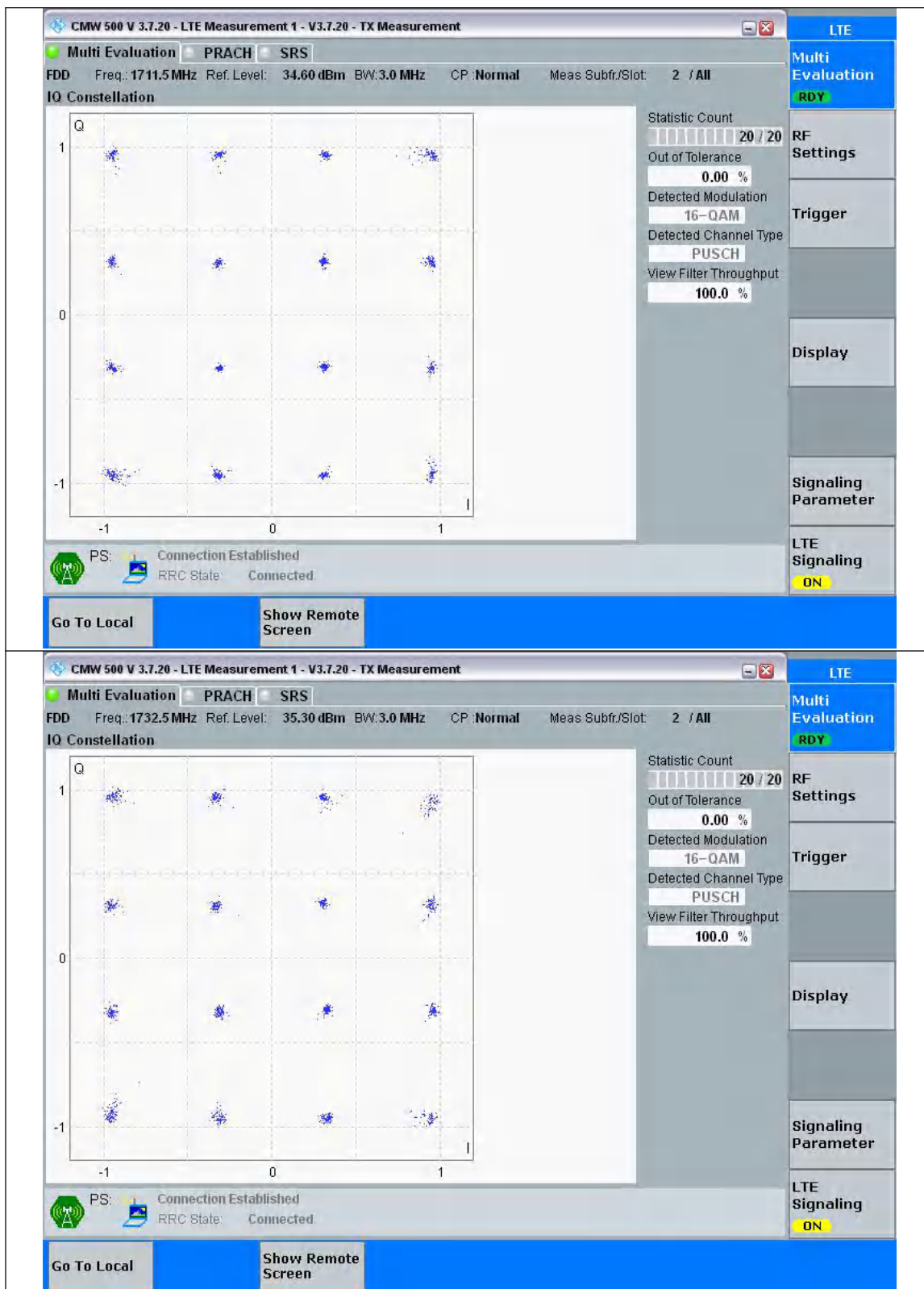


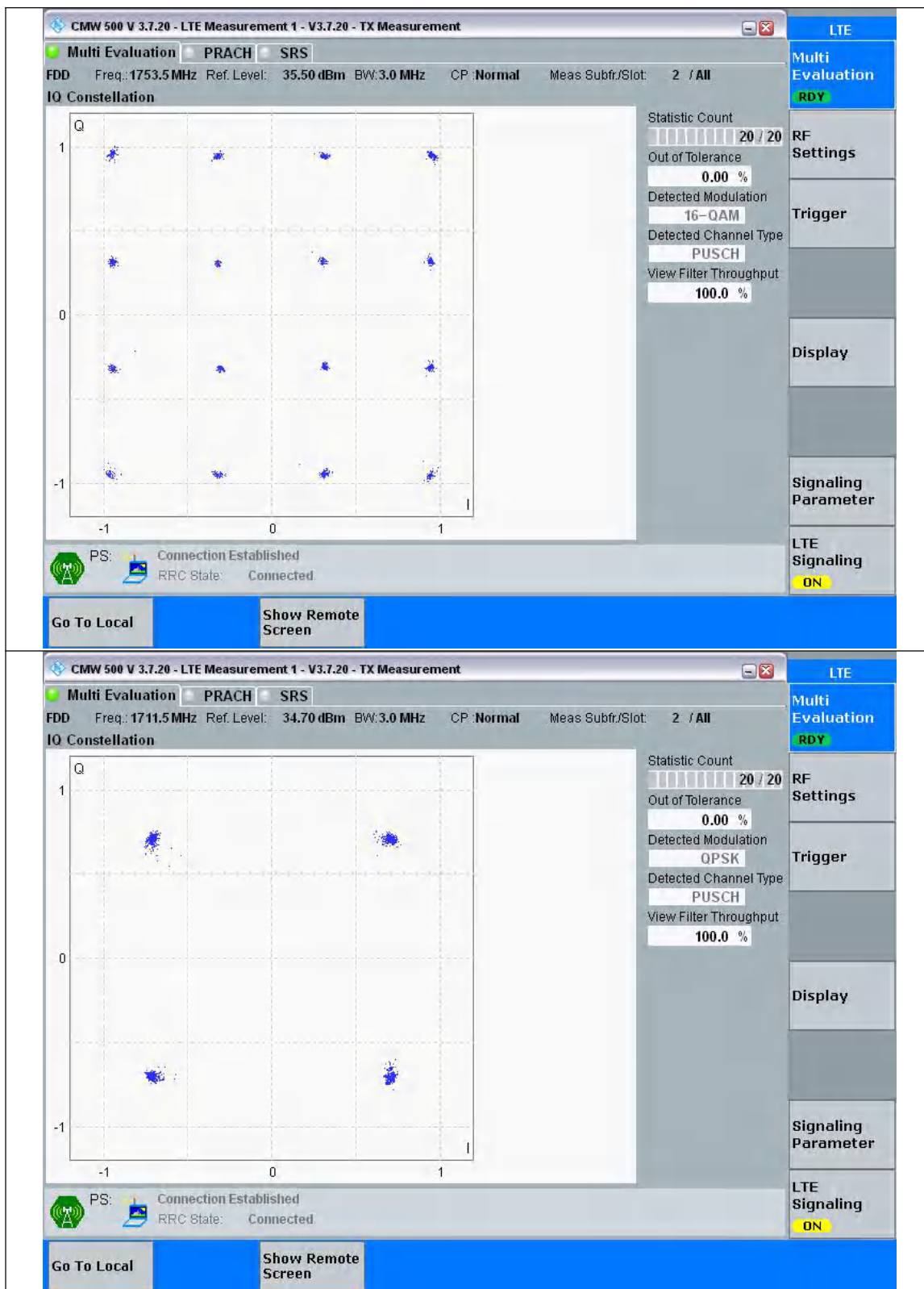


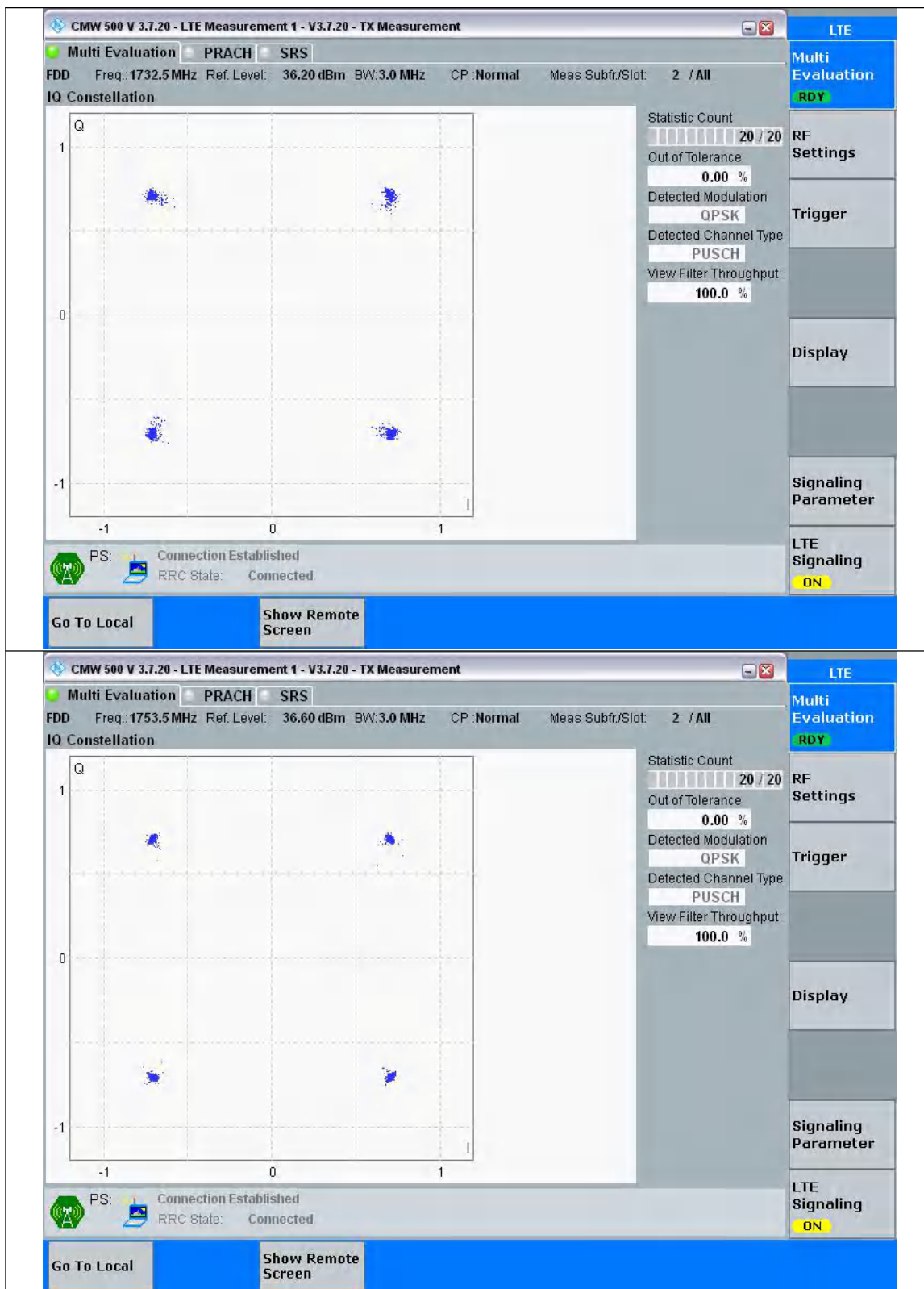




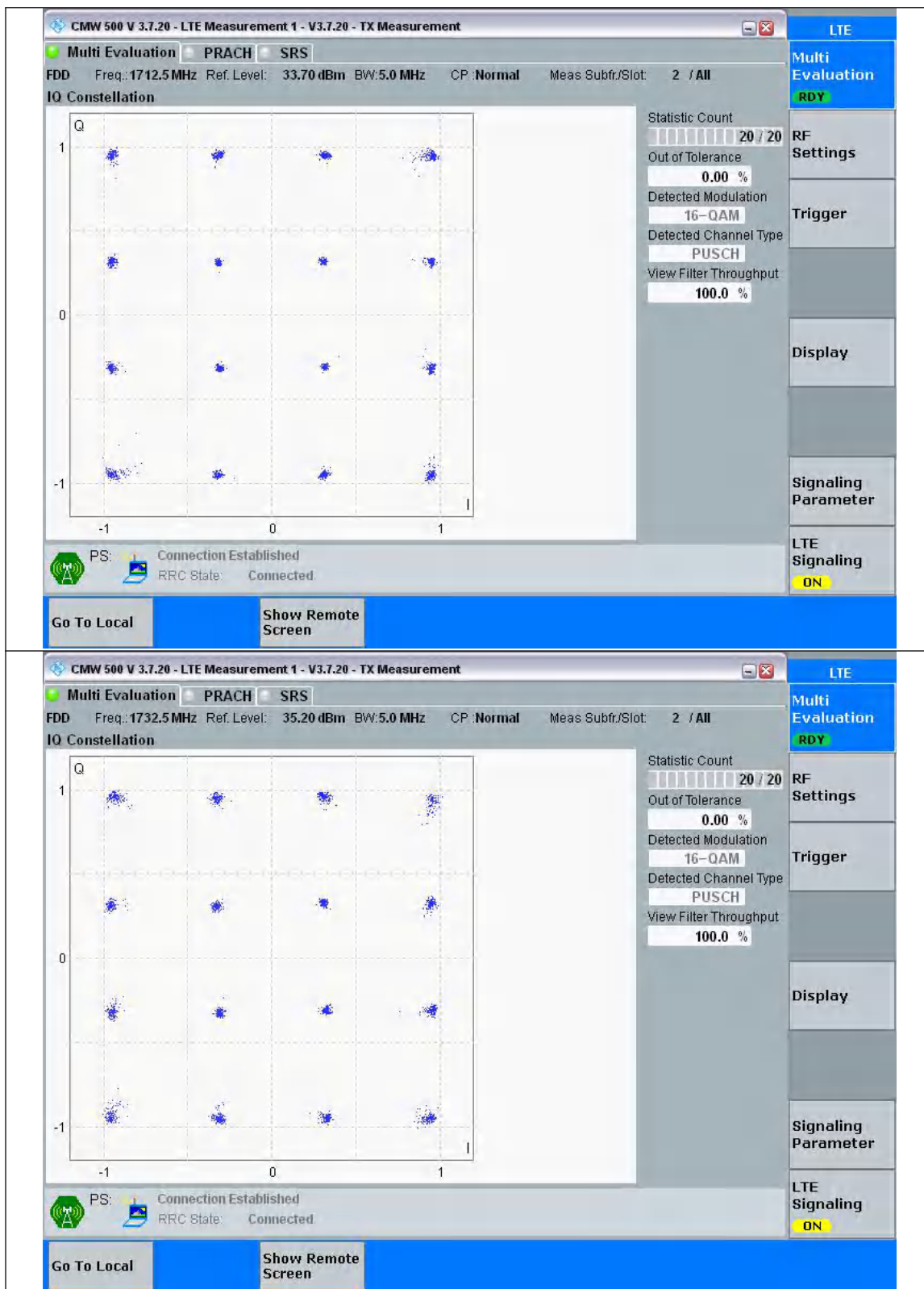
3.1 Test Graph

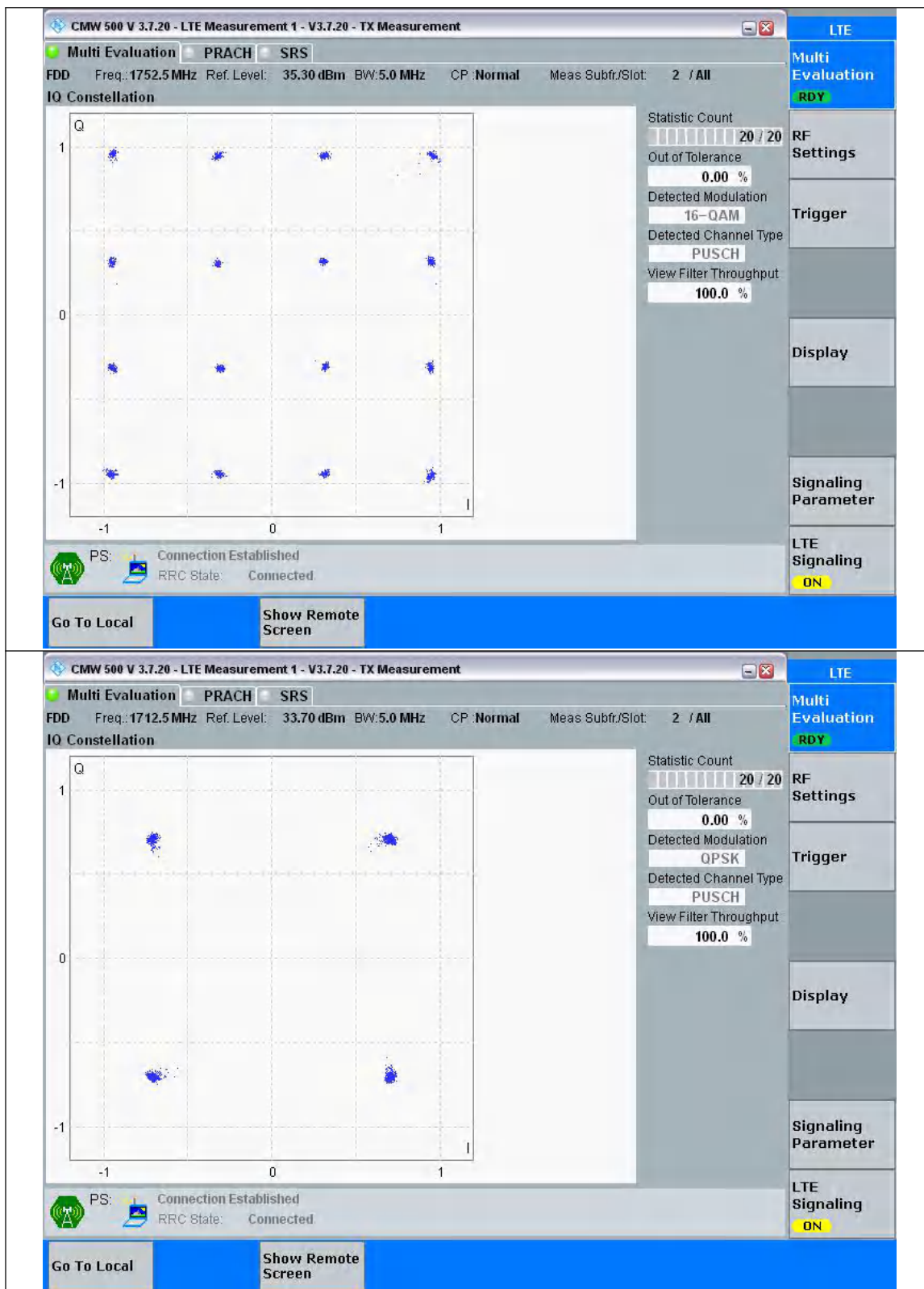


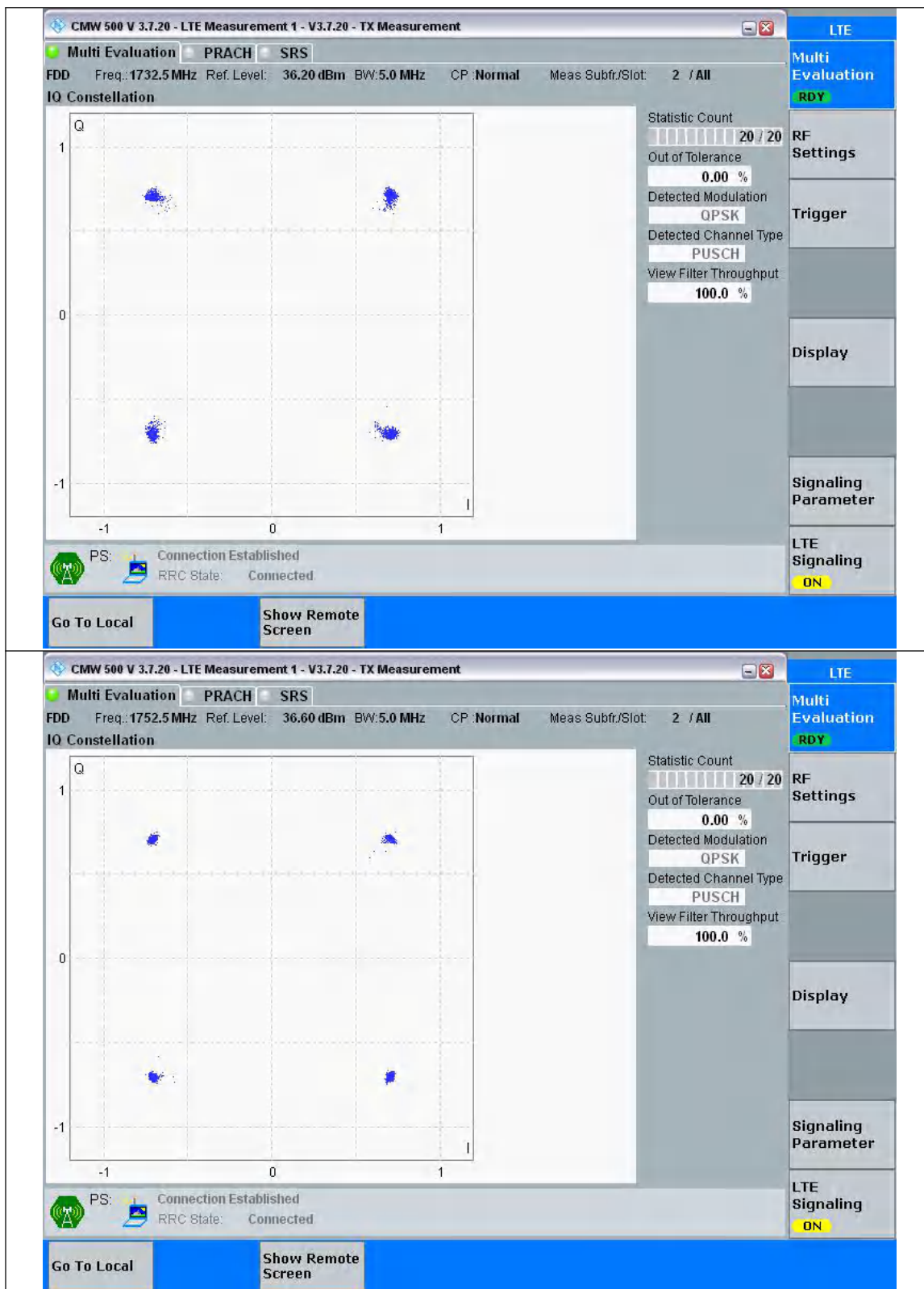




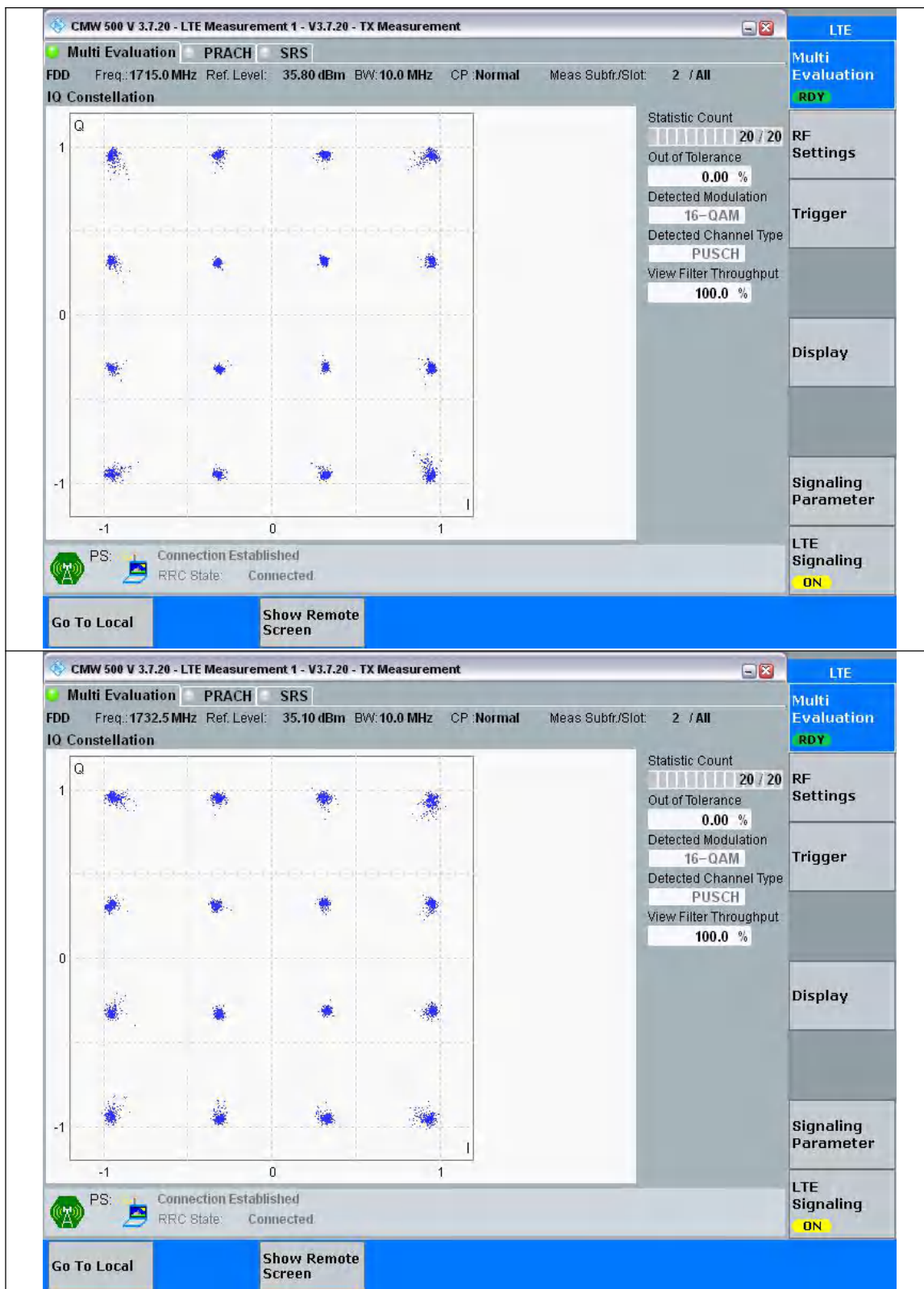
3.1 Test Graph

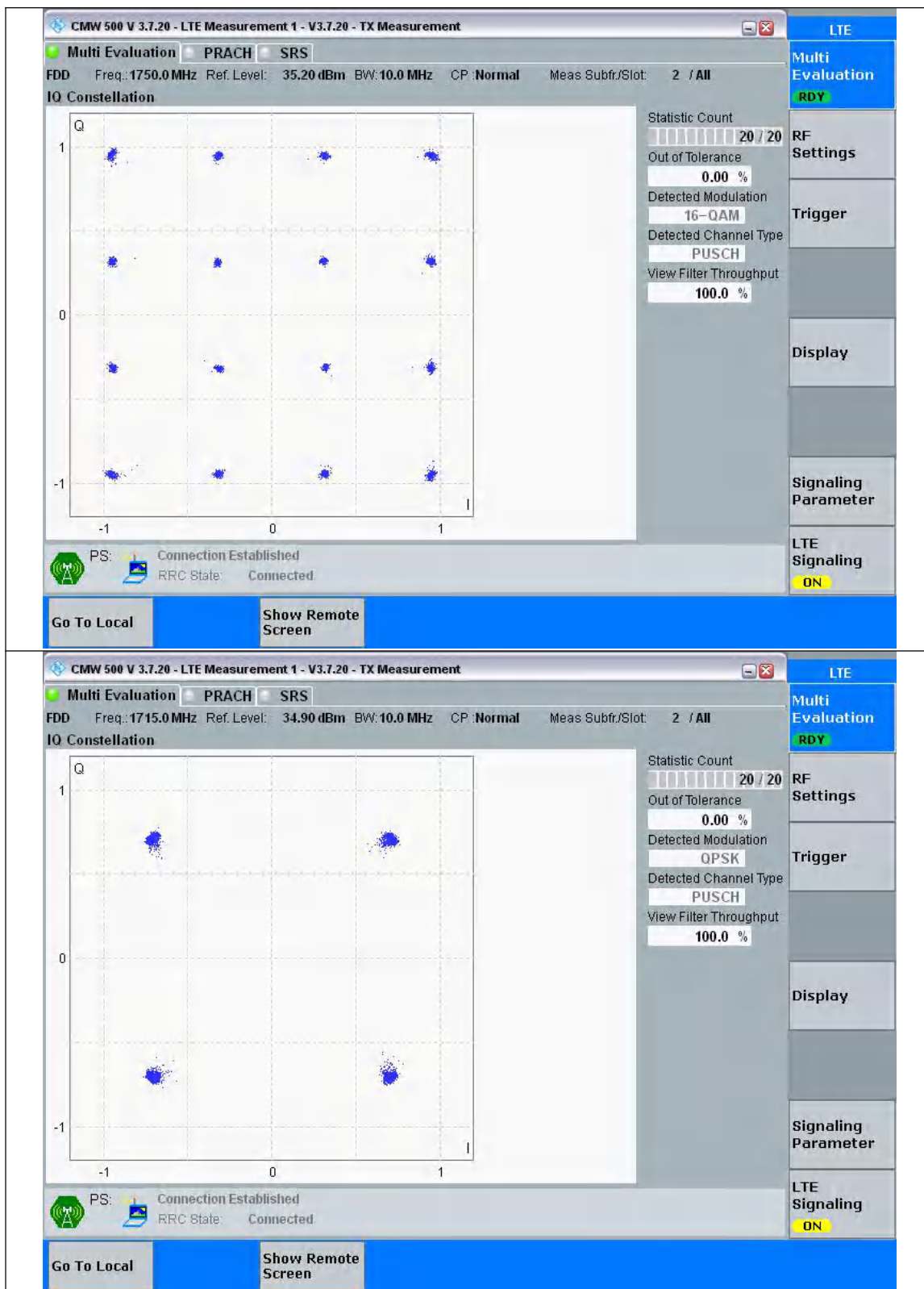


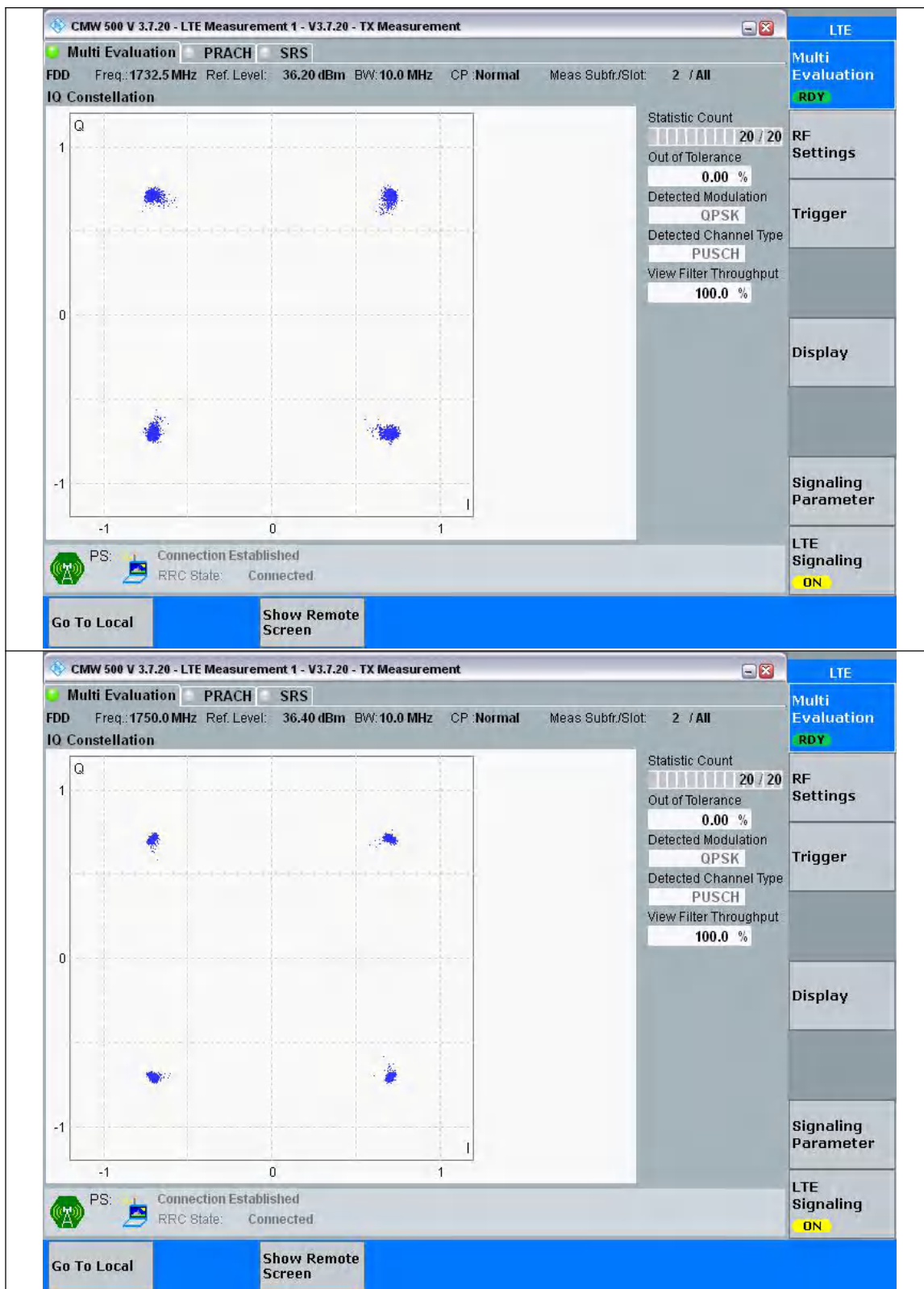




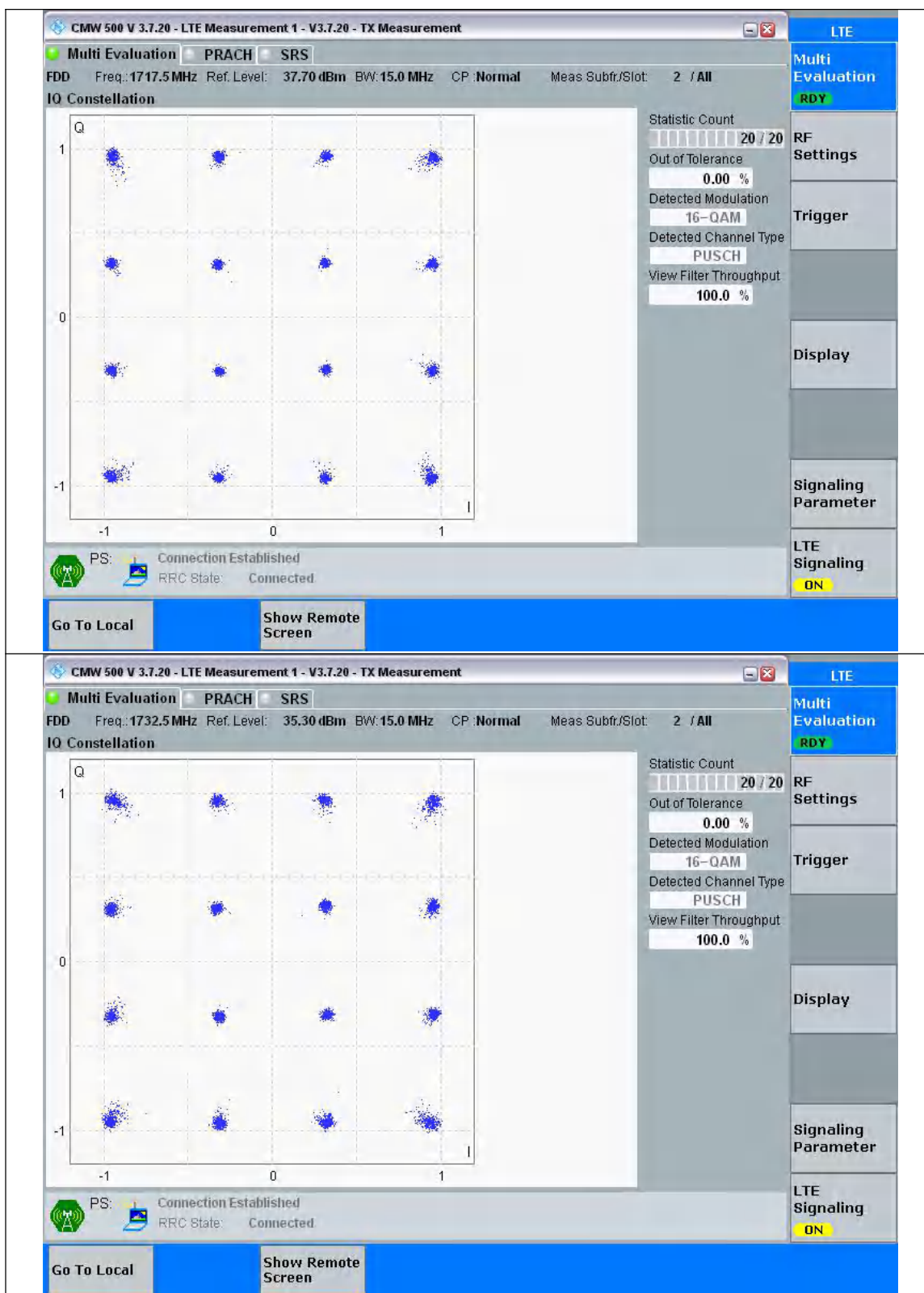
3.1 Test Graph

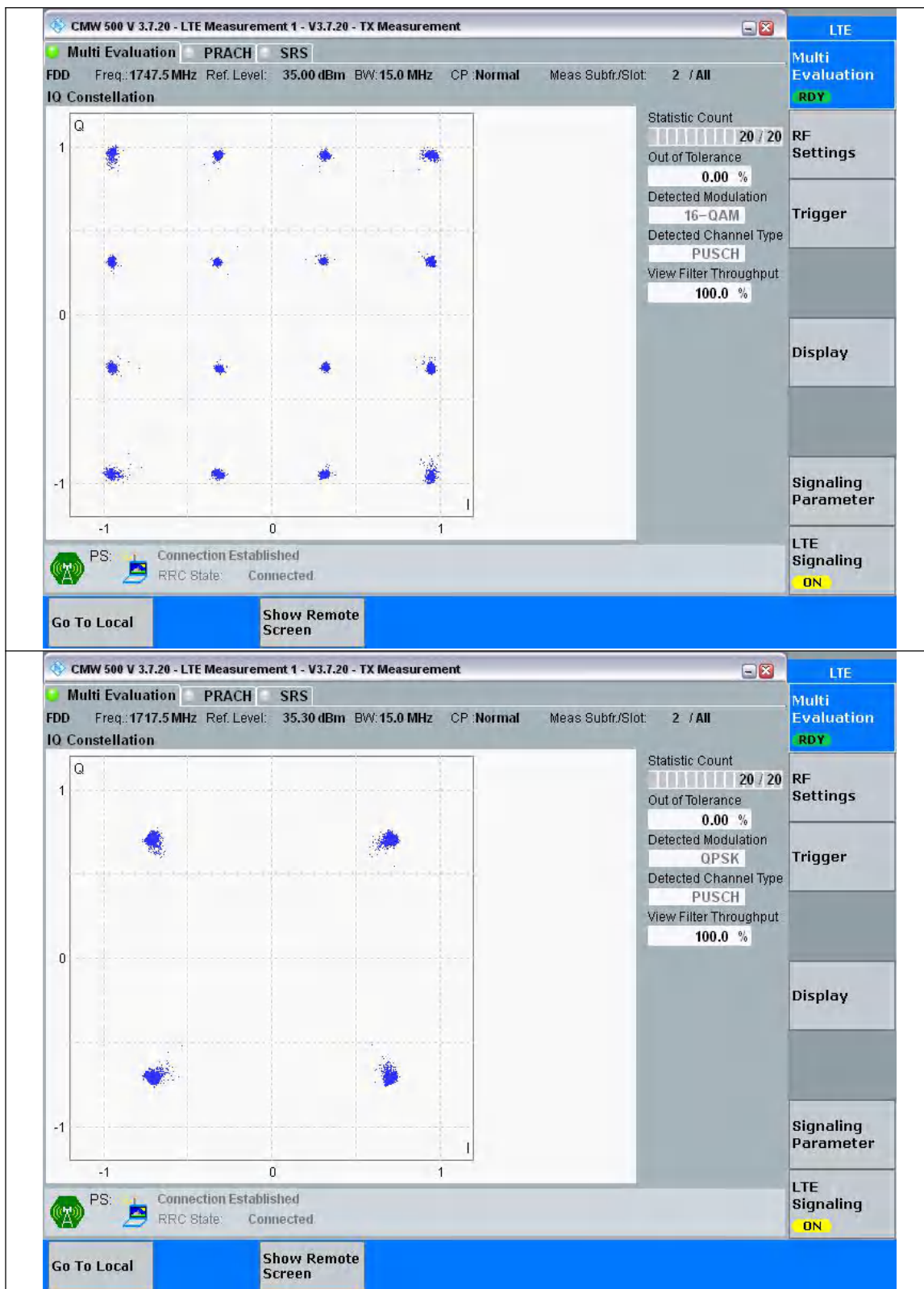


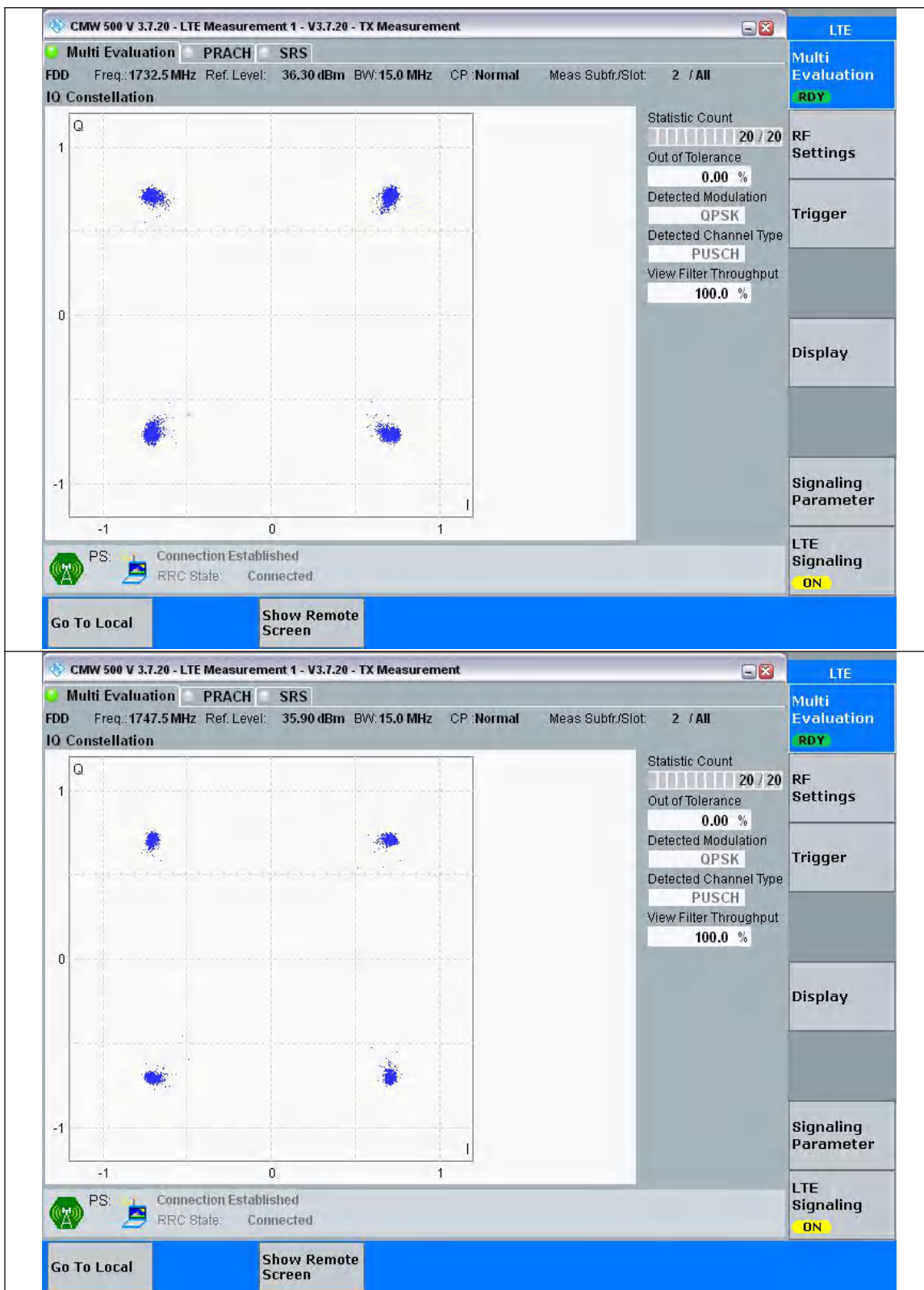




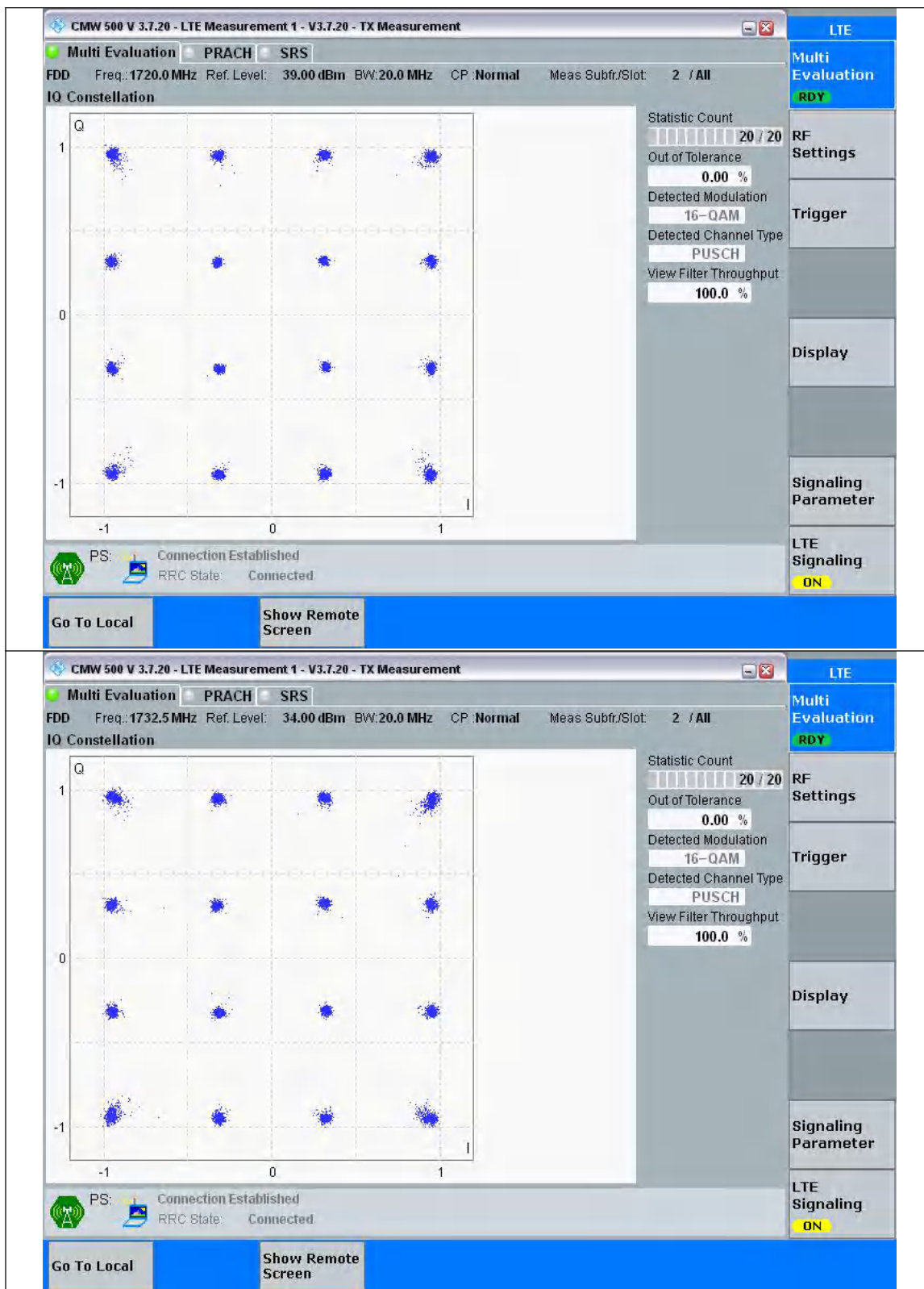
3.1 Test Graph

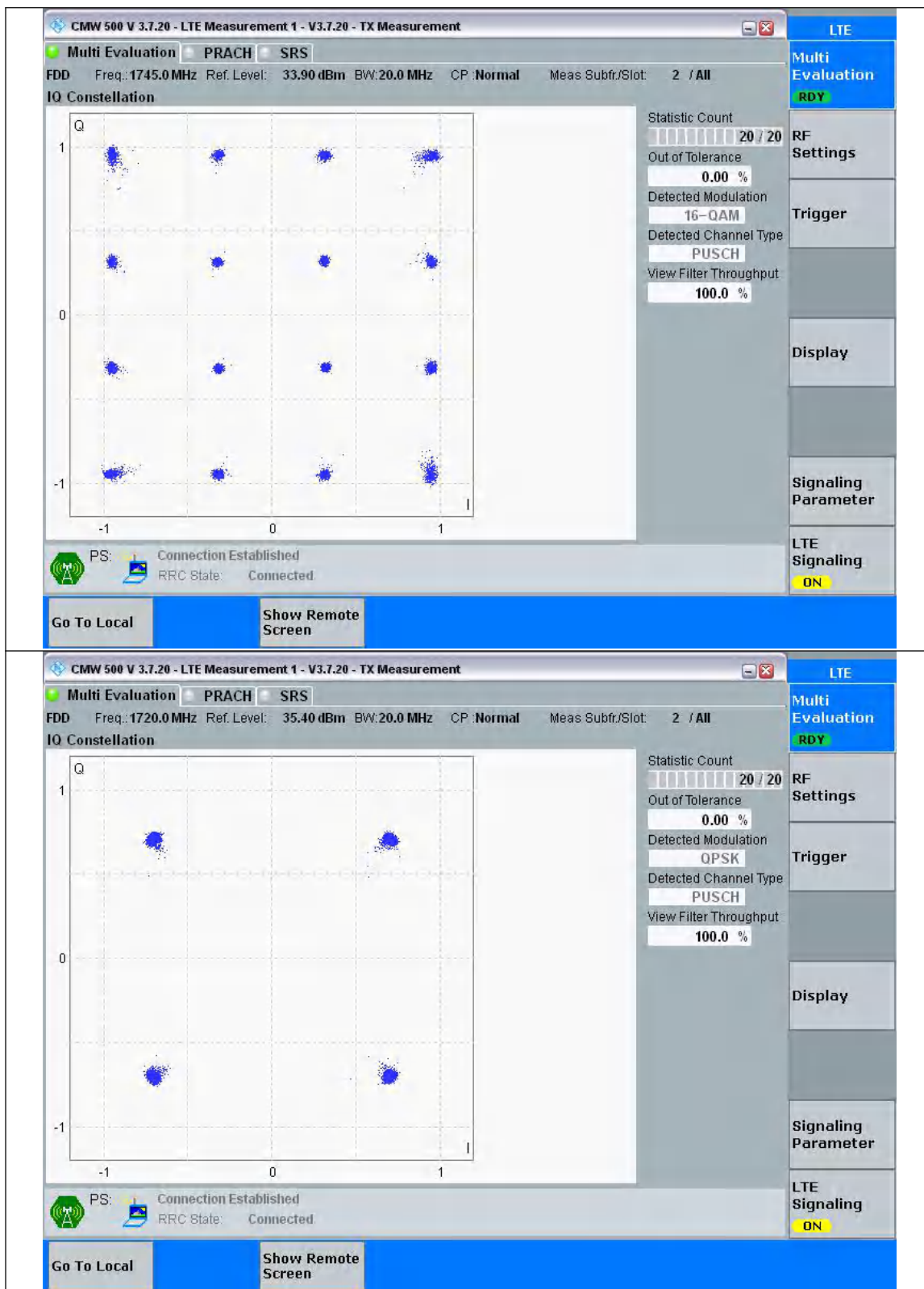


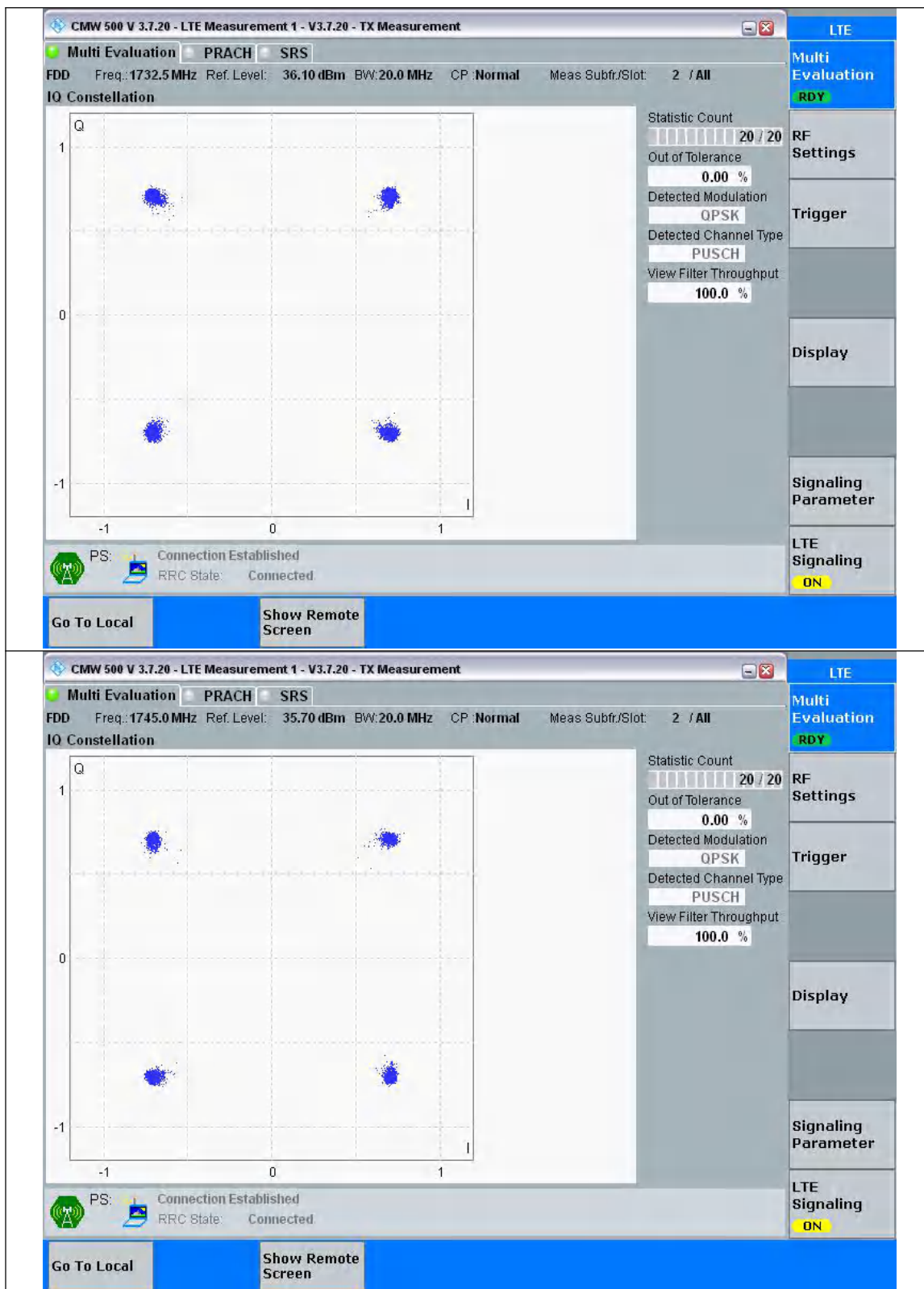




3.1 Test Graph





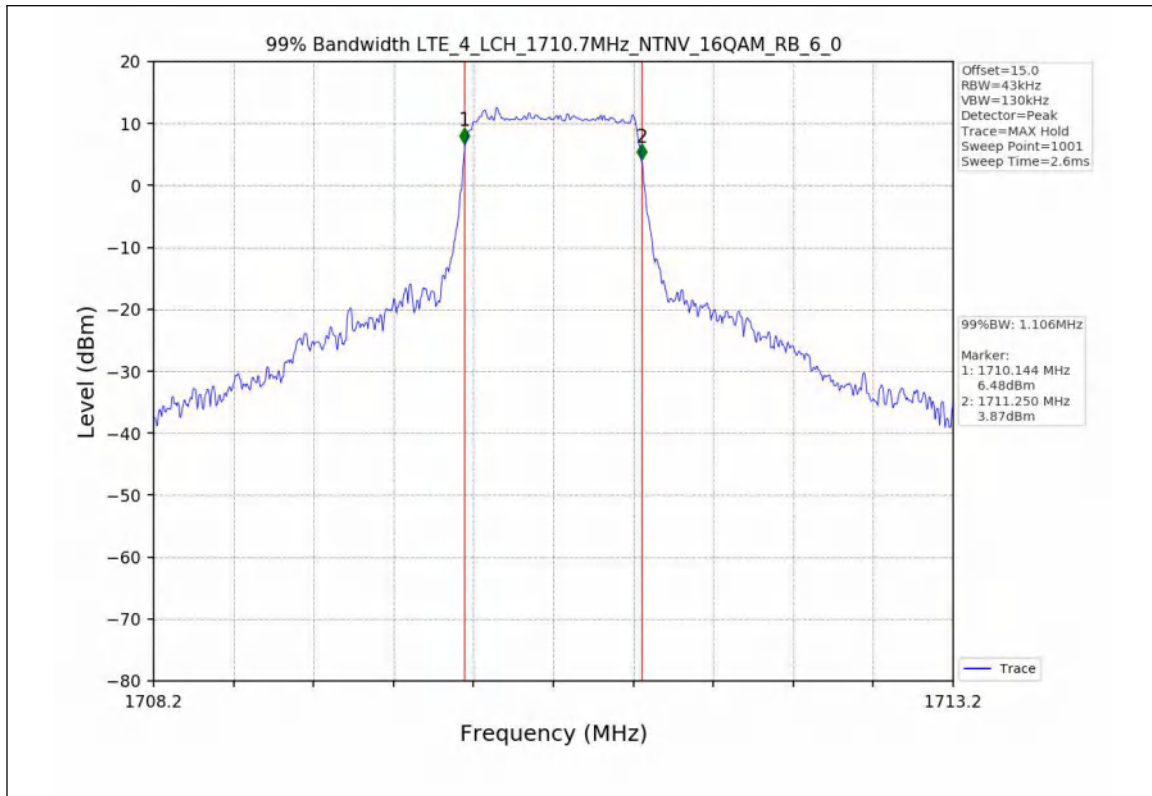


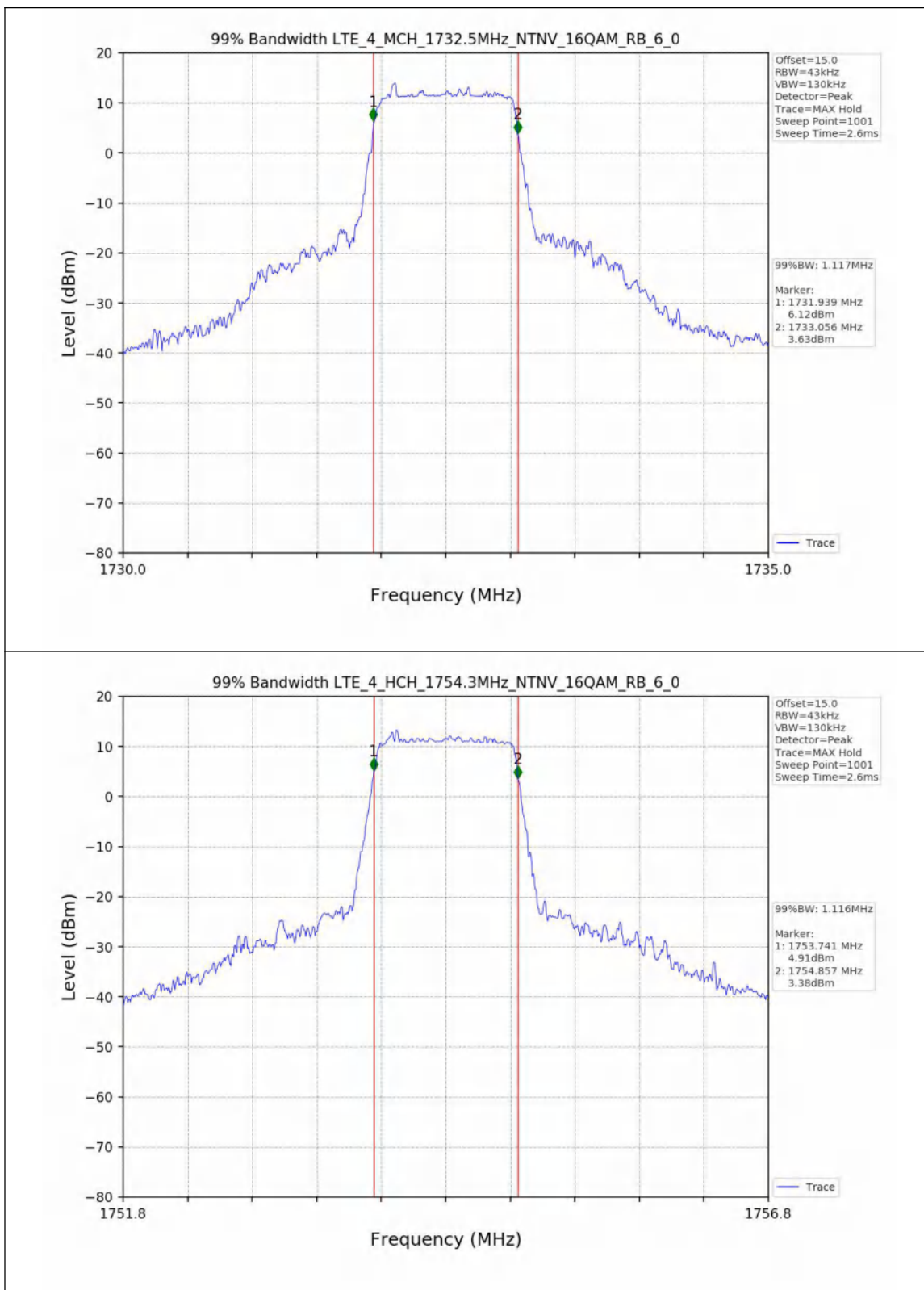
4. 99% & 26dB Bandwidth

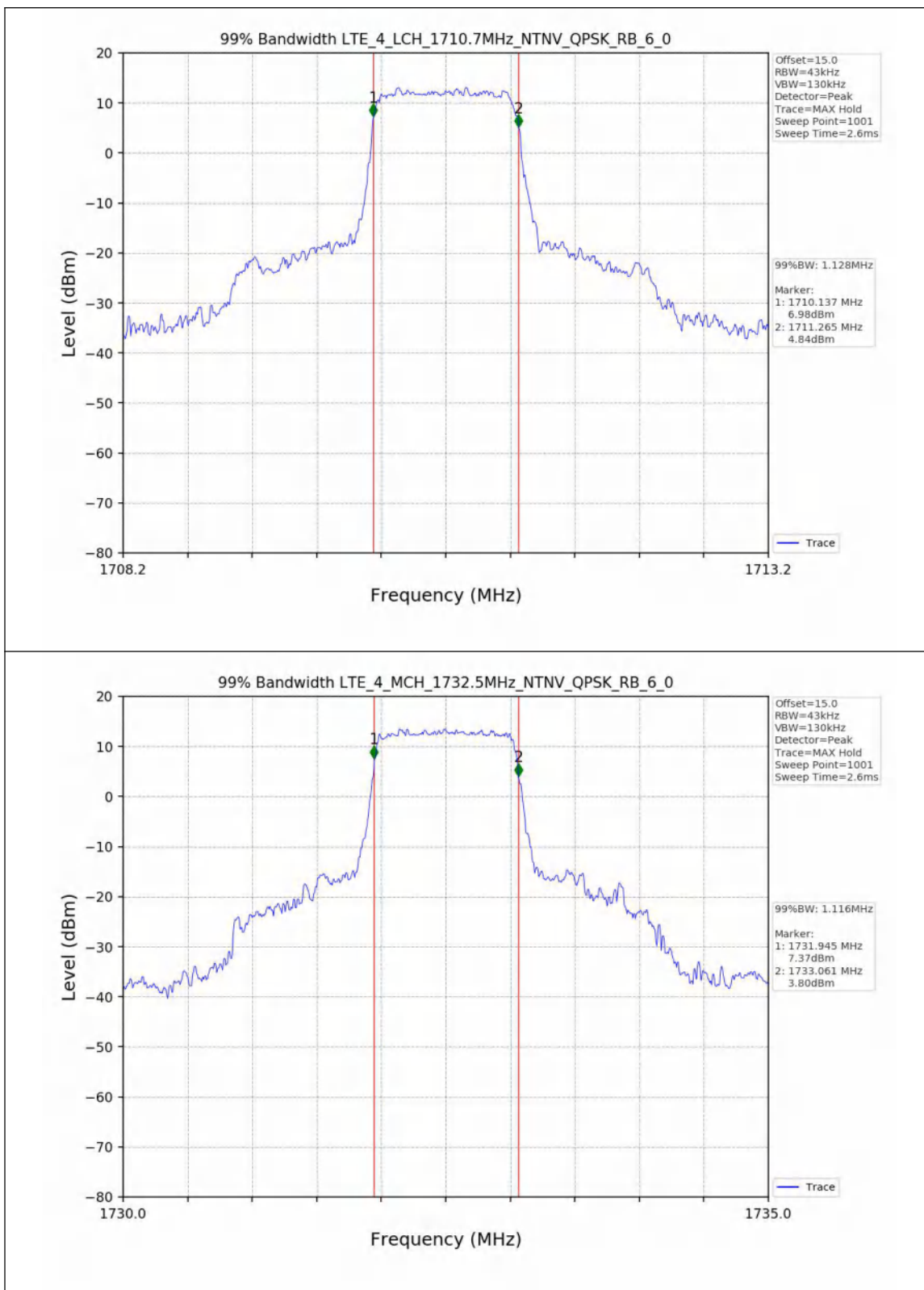
4.1 Test Result

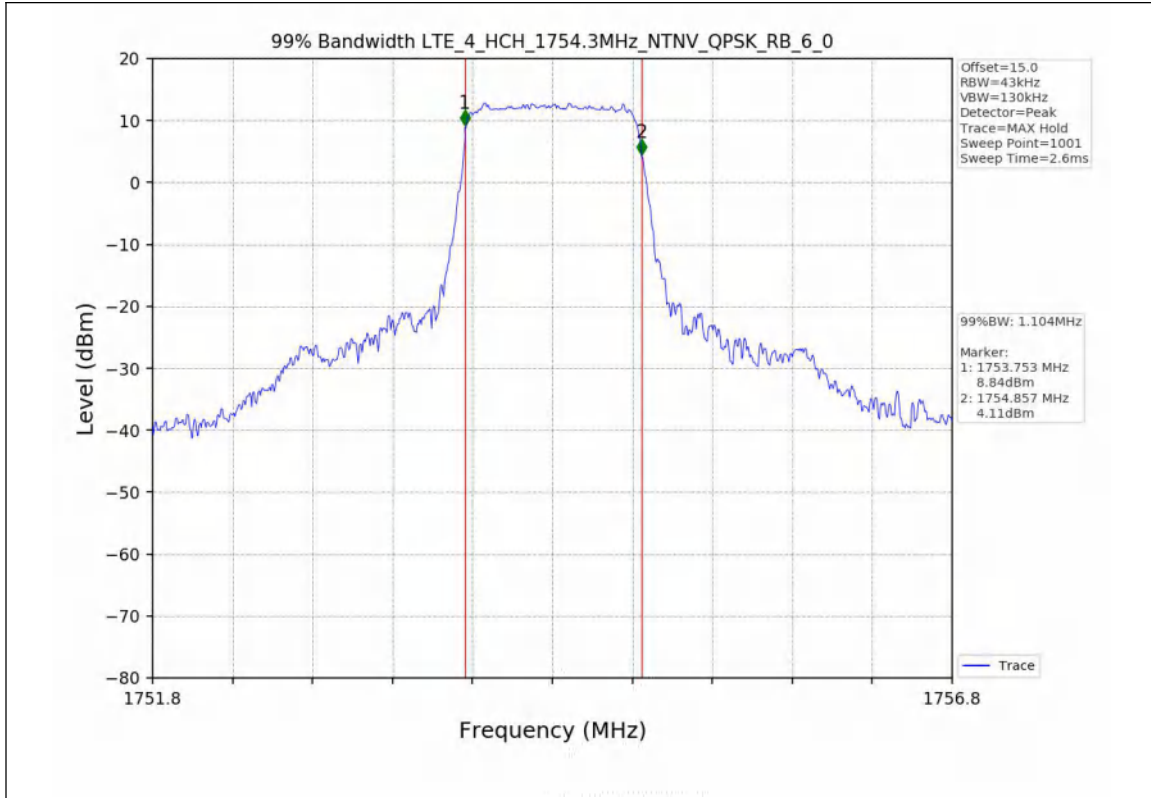
Test Band: 4_1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.128	1.116	1.104	N/A	PASS
16QAM	6	0	1.106	1.117	1.116	N/A	PASS

4.2 Test Graph



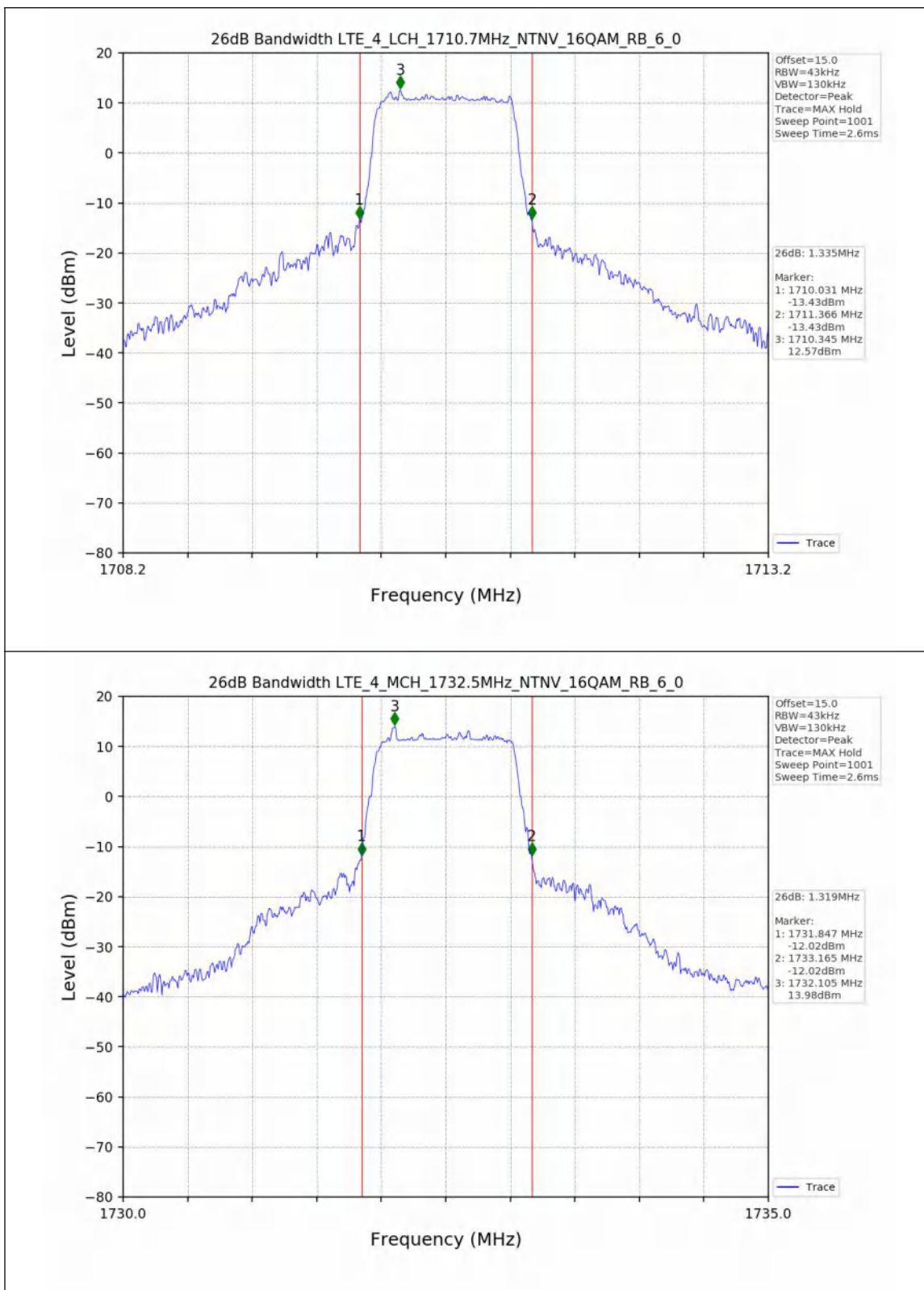


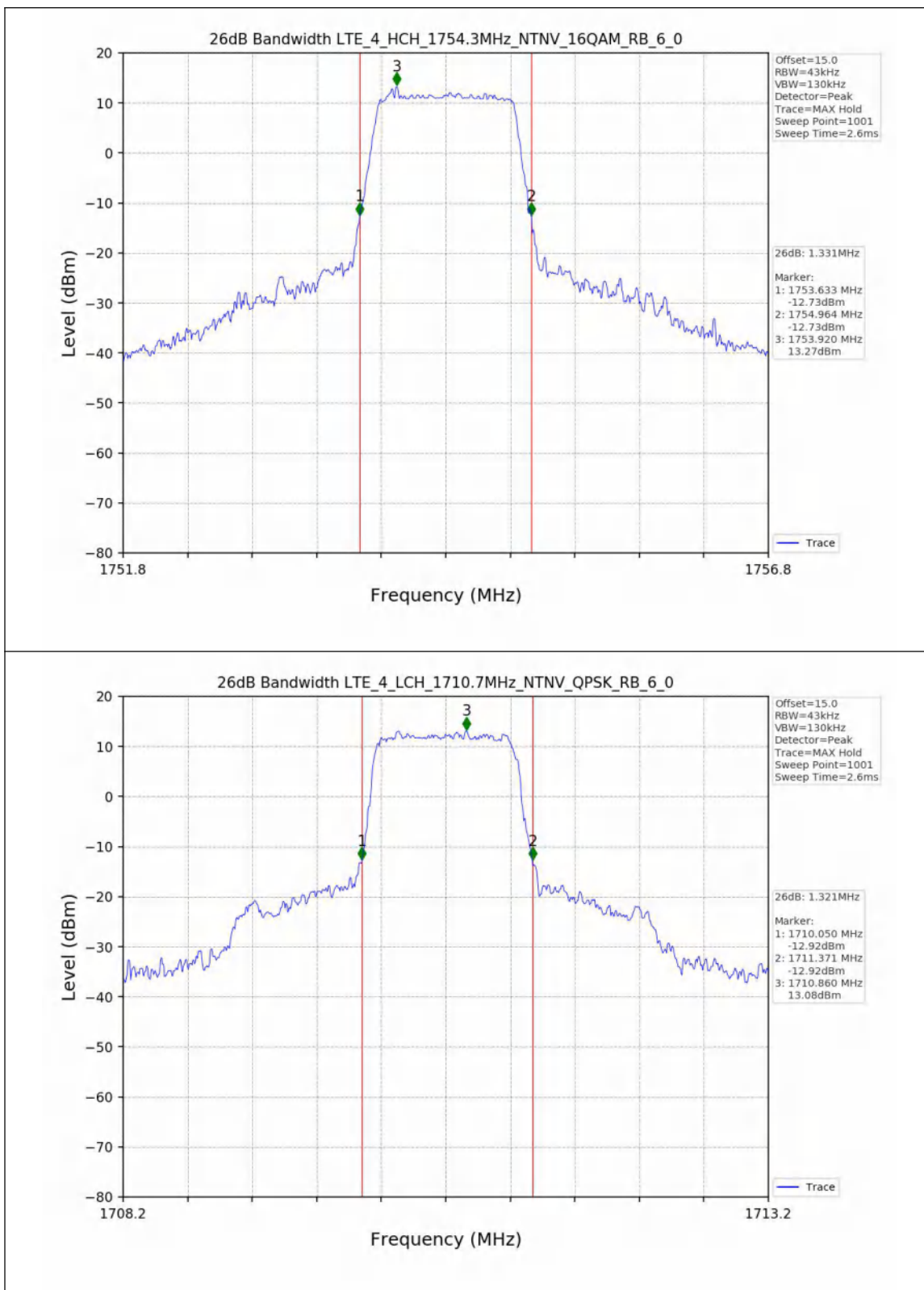


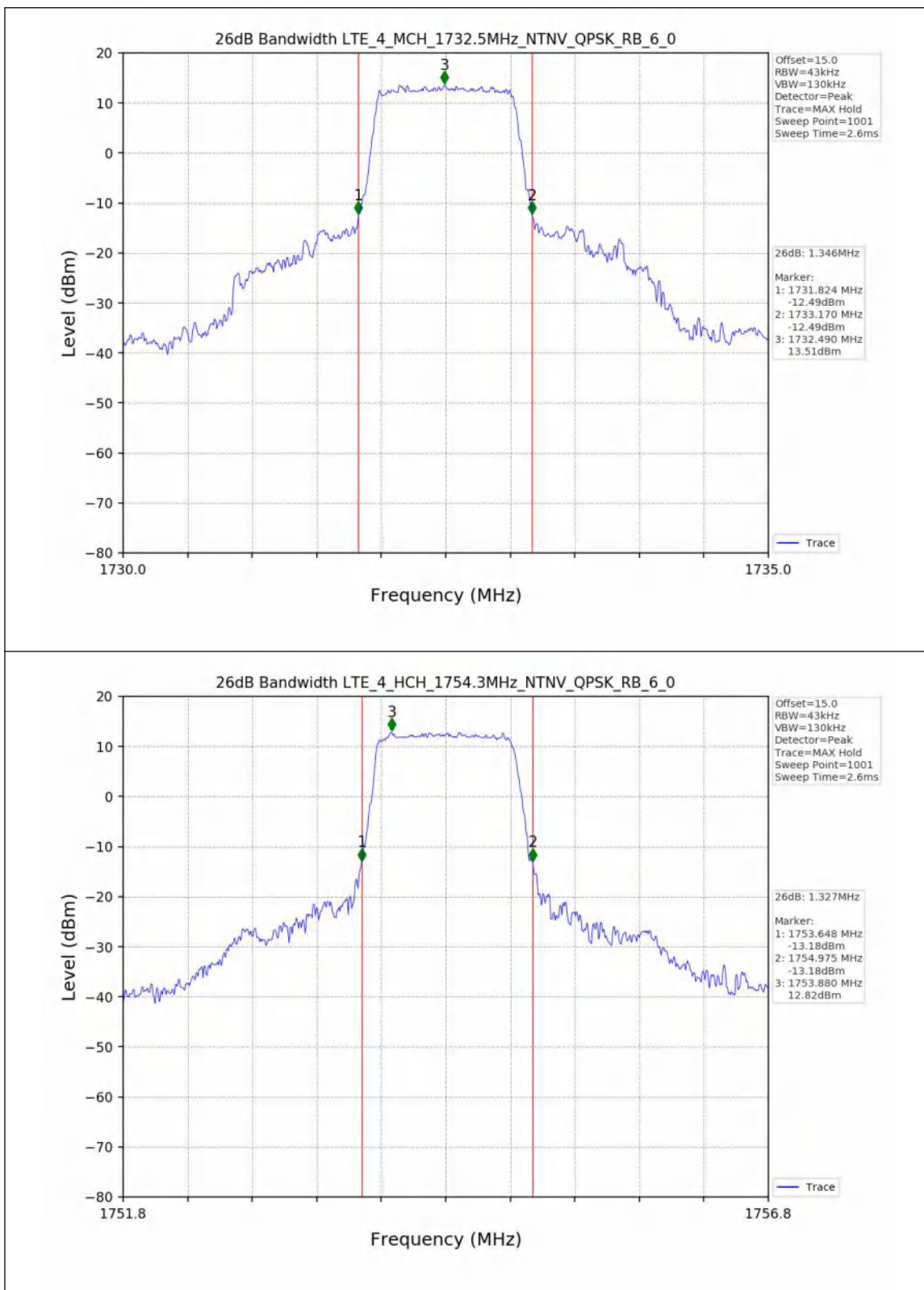


Test Band: 4_1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.321	1.346	1.327	N/A	PASS
16QAM	6	0	1.335	1.319	1.331	N/A	PASS

4.2 Test Graph



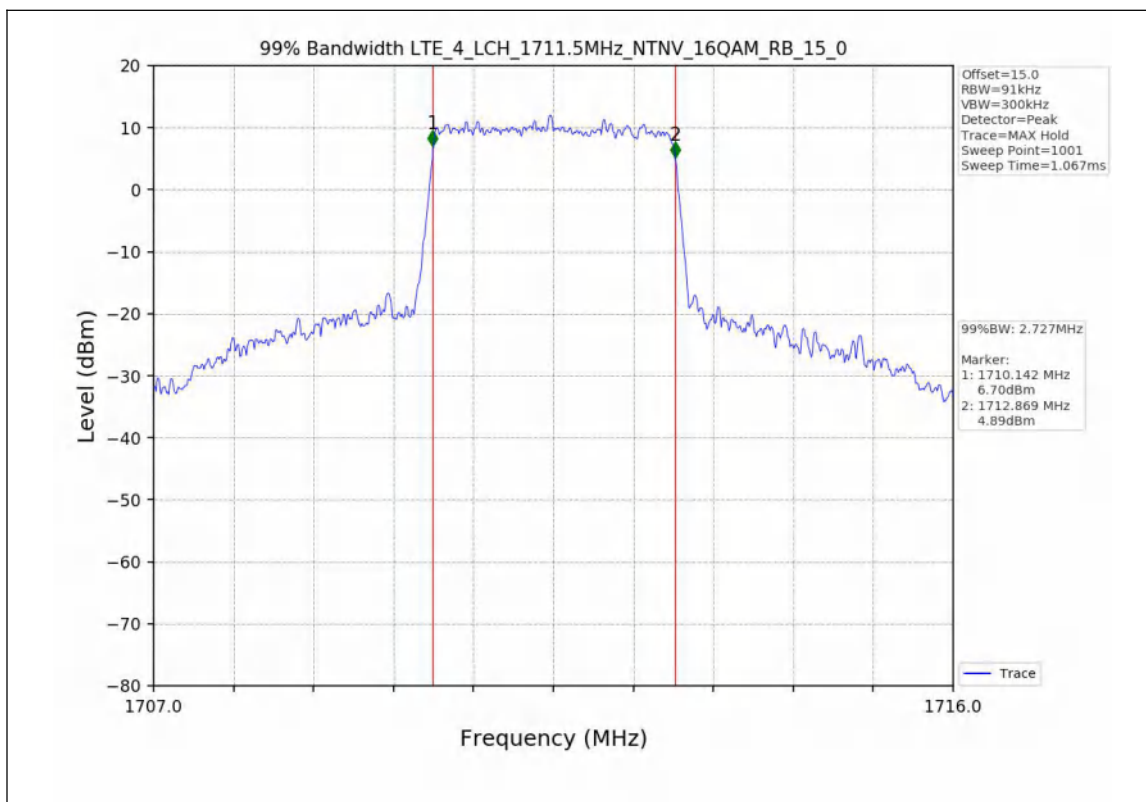


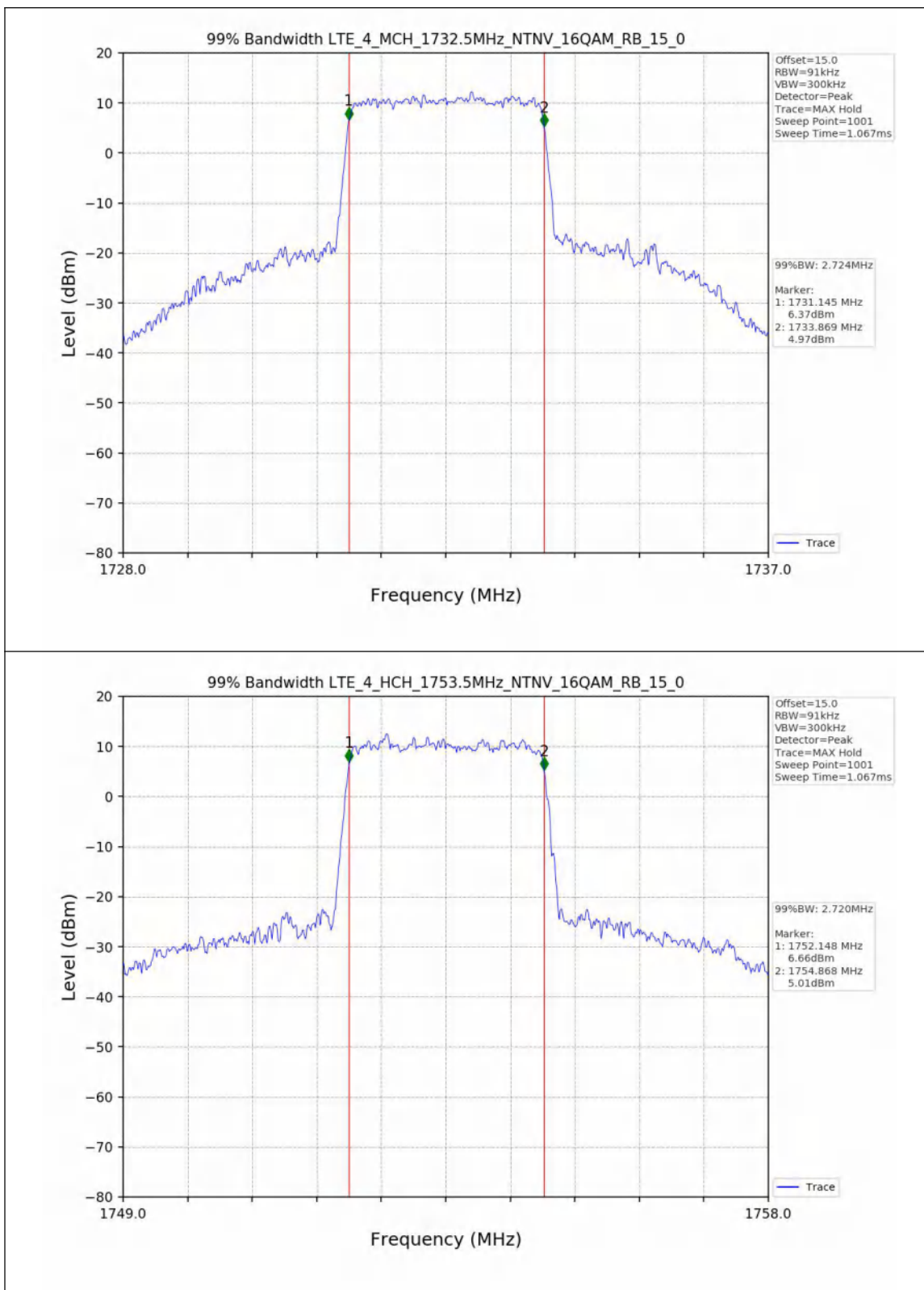


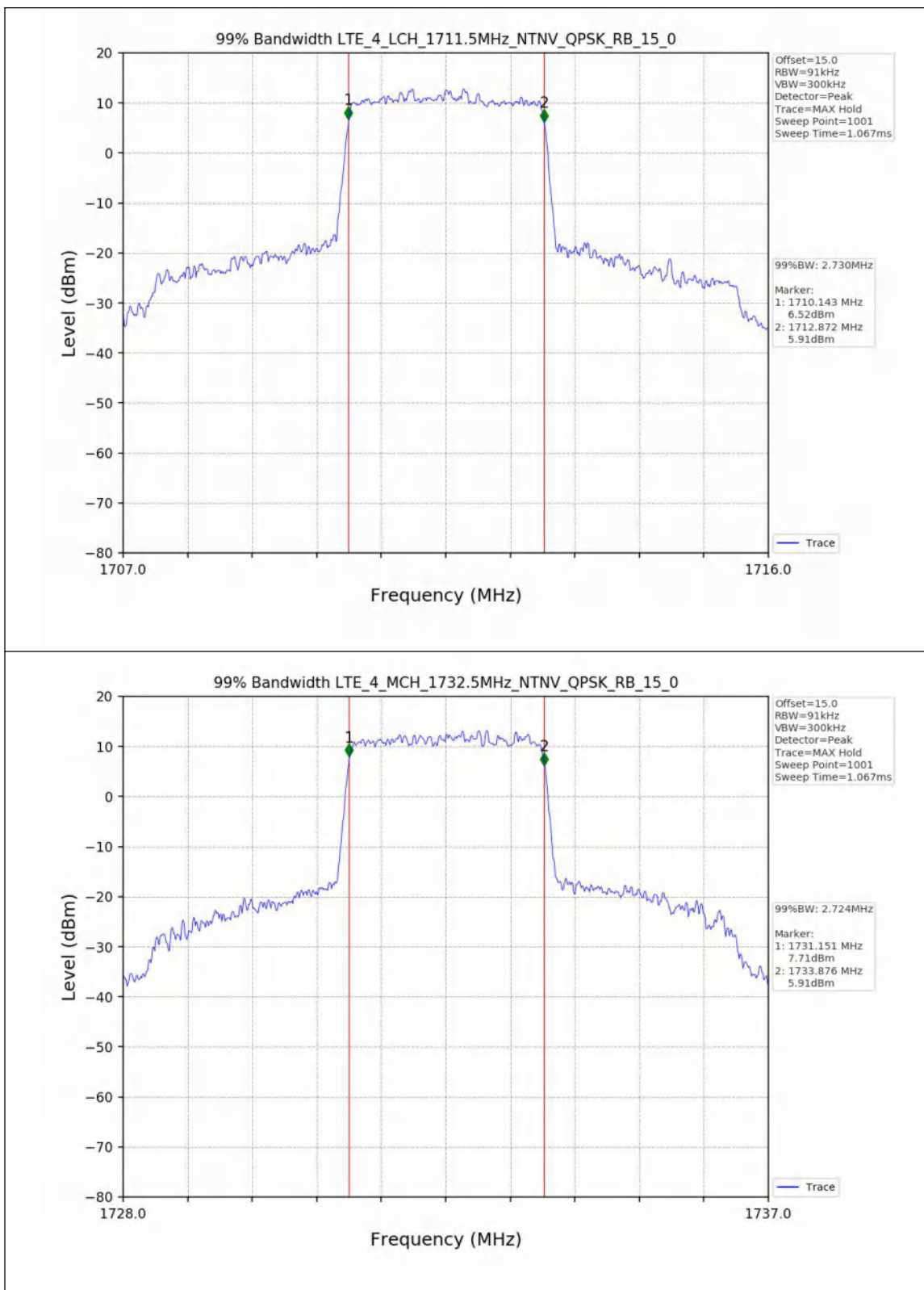
Test Band: 4_3MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

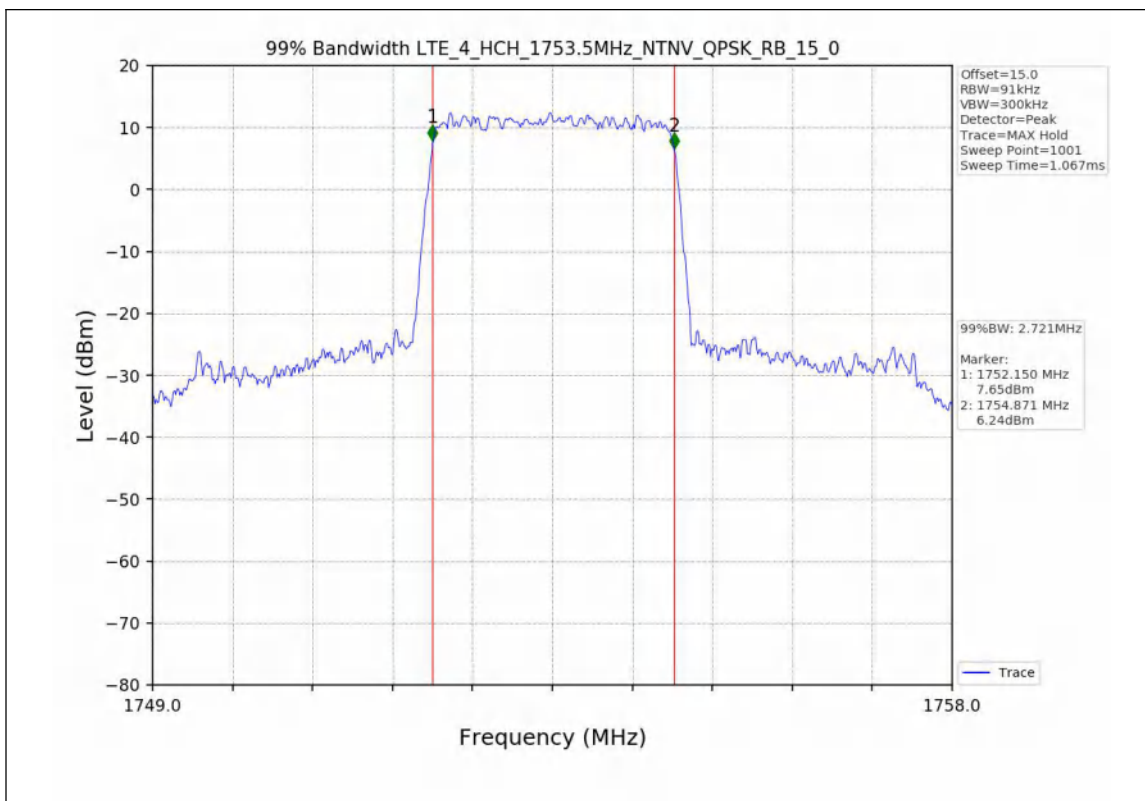
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.730	2.724	2.721	N/A	PASS
16QAM	15	0	2.727	2.724	2.720	N/A	PASS

4.2 Test Graph



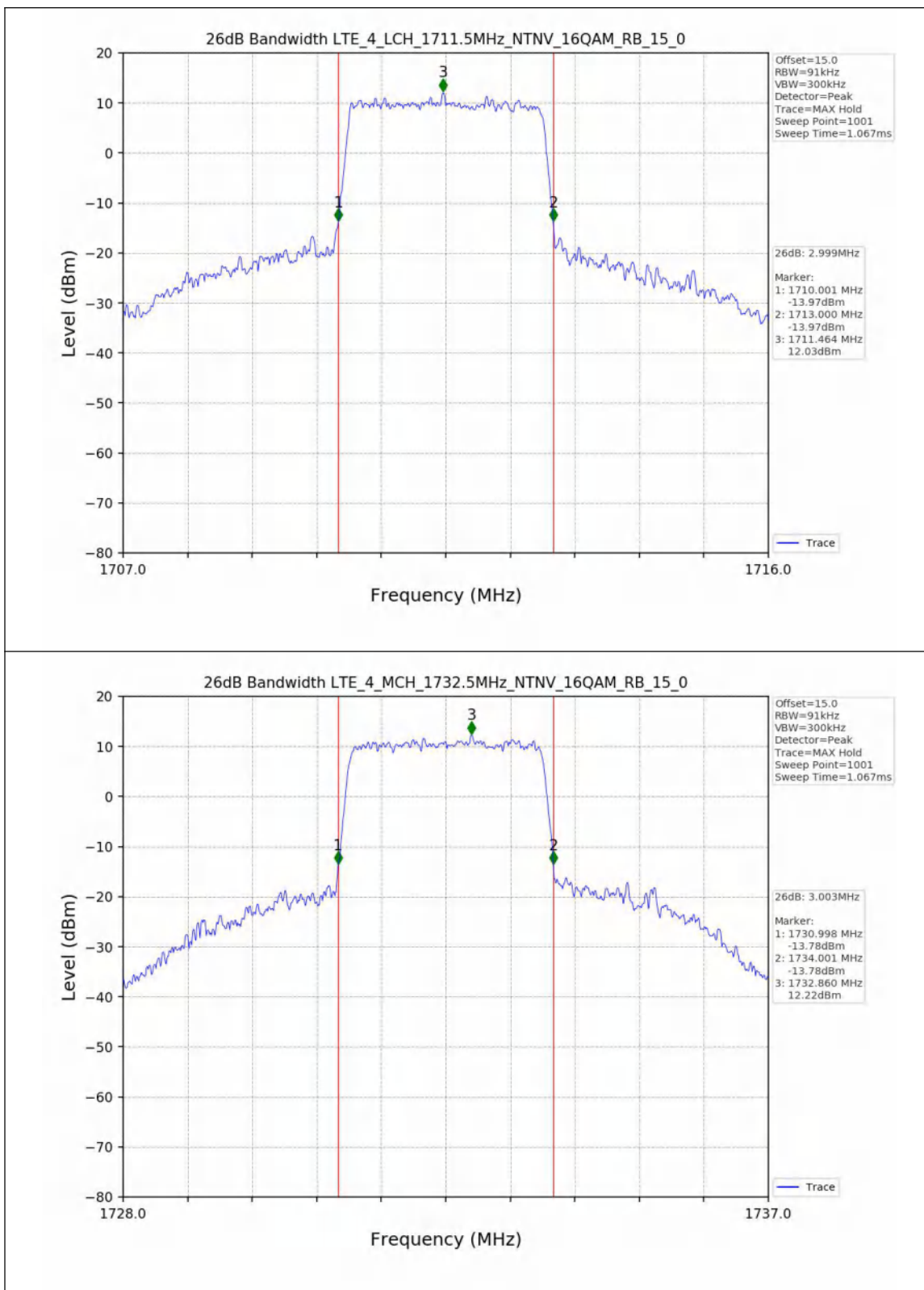


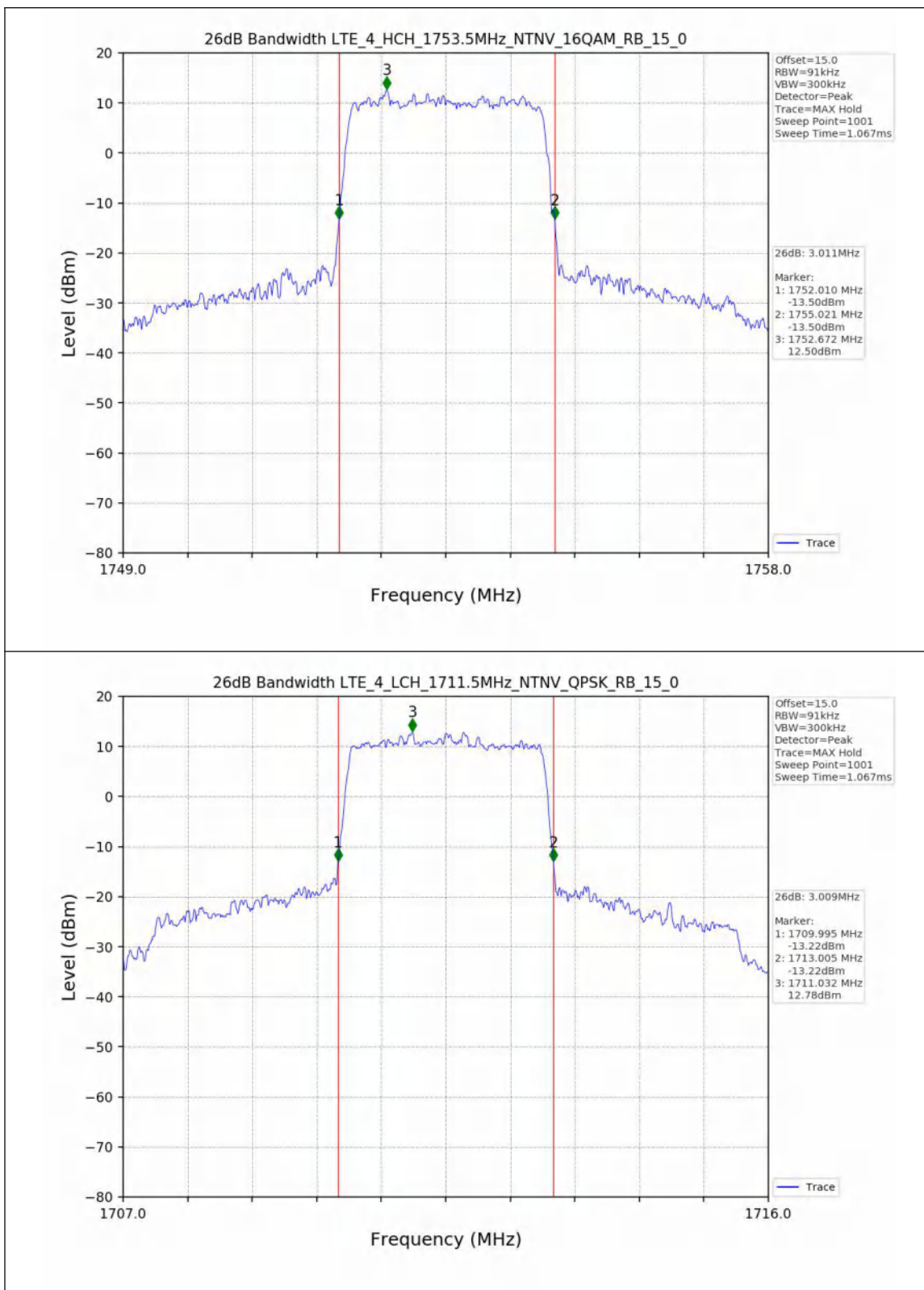


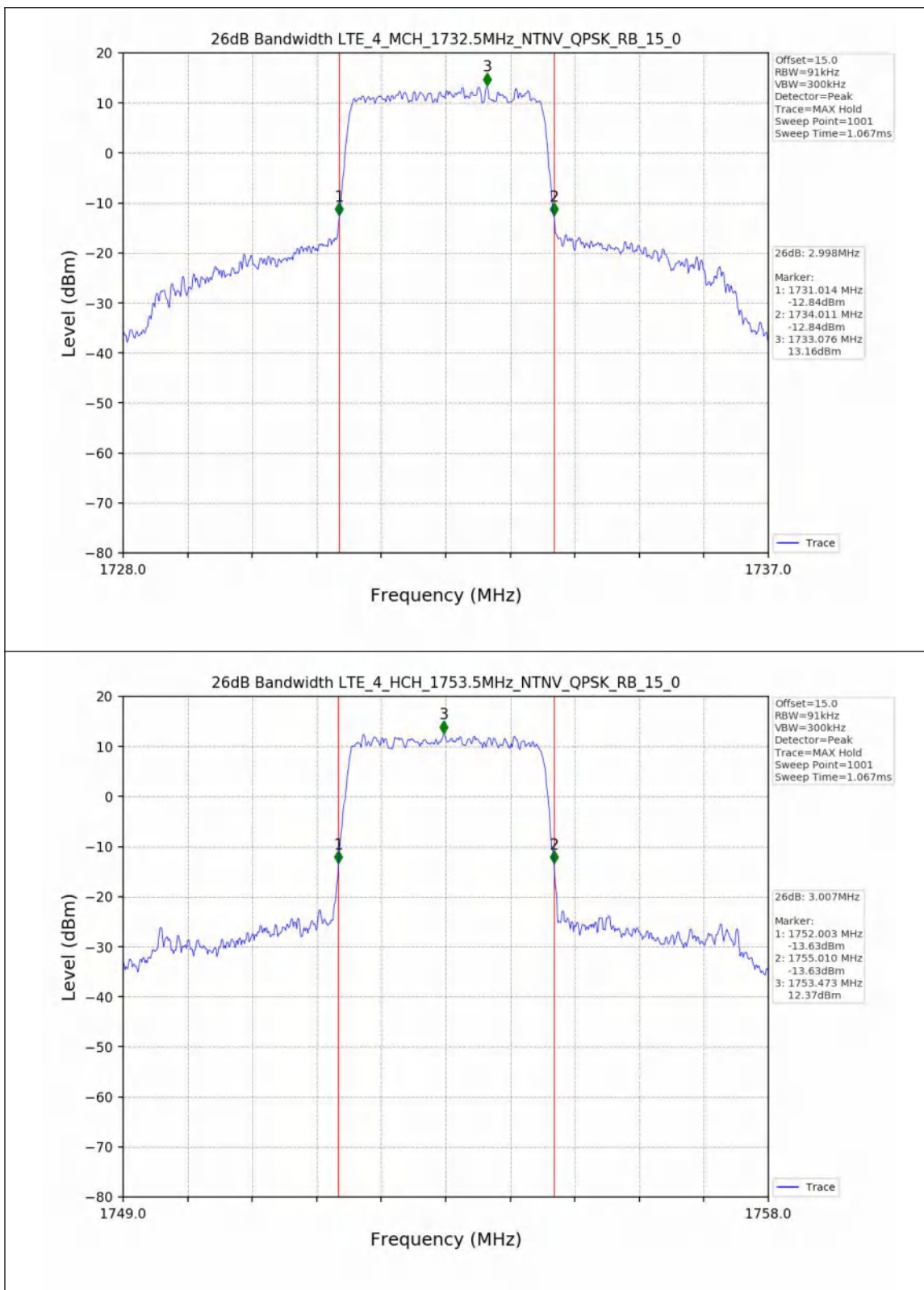


Test Band: 4_3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	3.009	2.998	3.007	N/A	PASS
16QAM	15	0	2.999	3.003	3.011	N/A	PASS

4.2 Test Graph



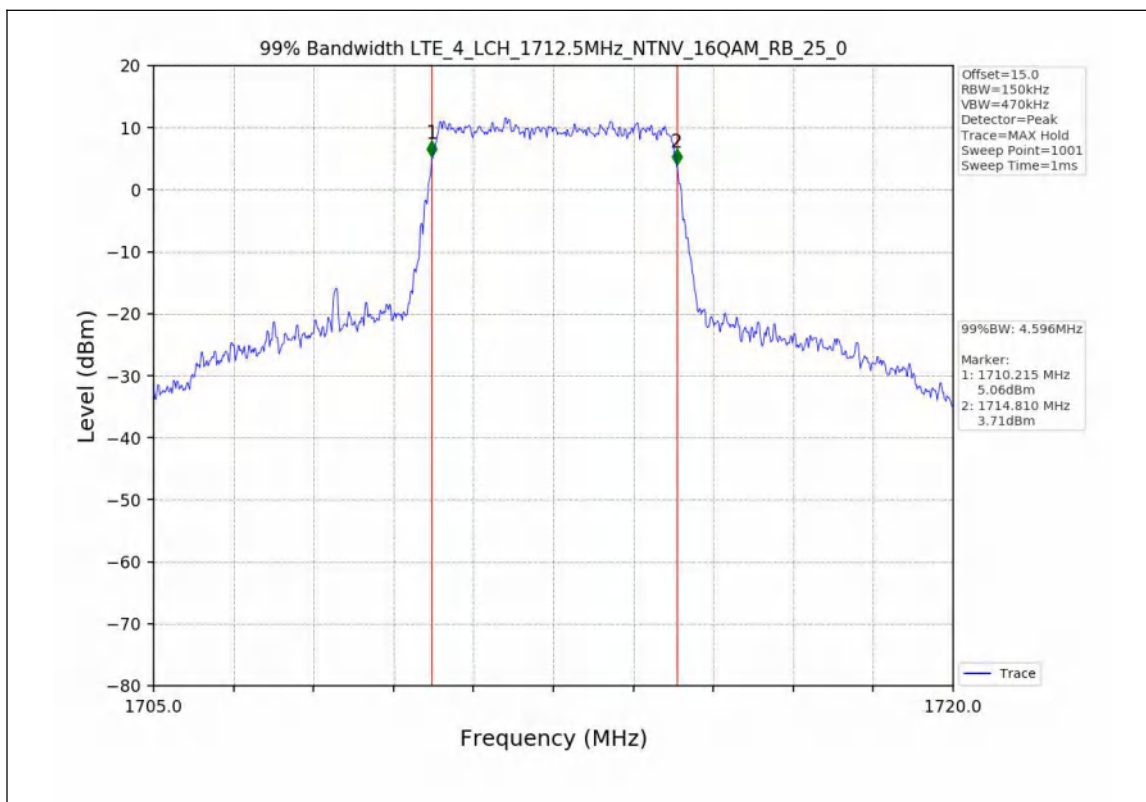


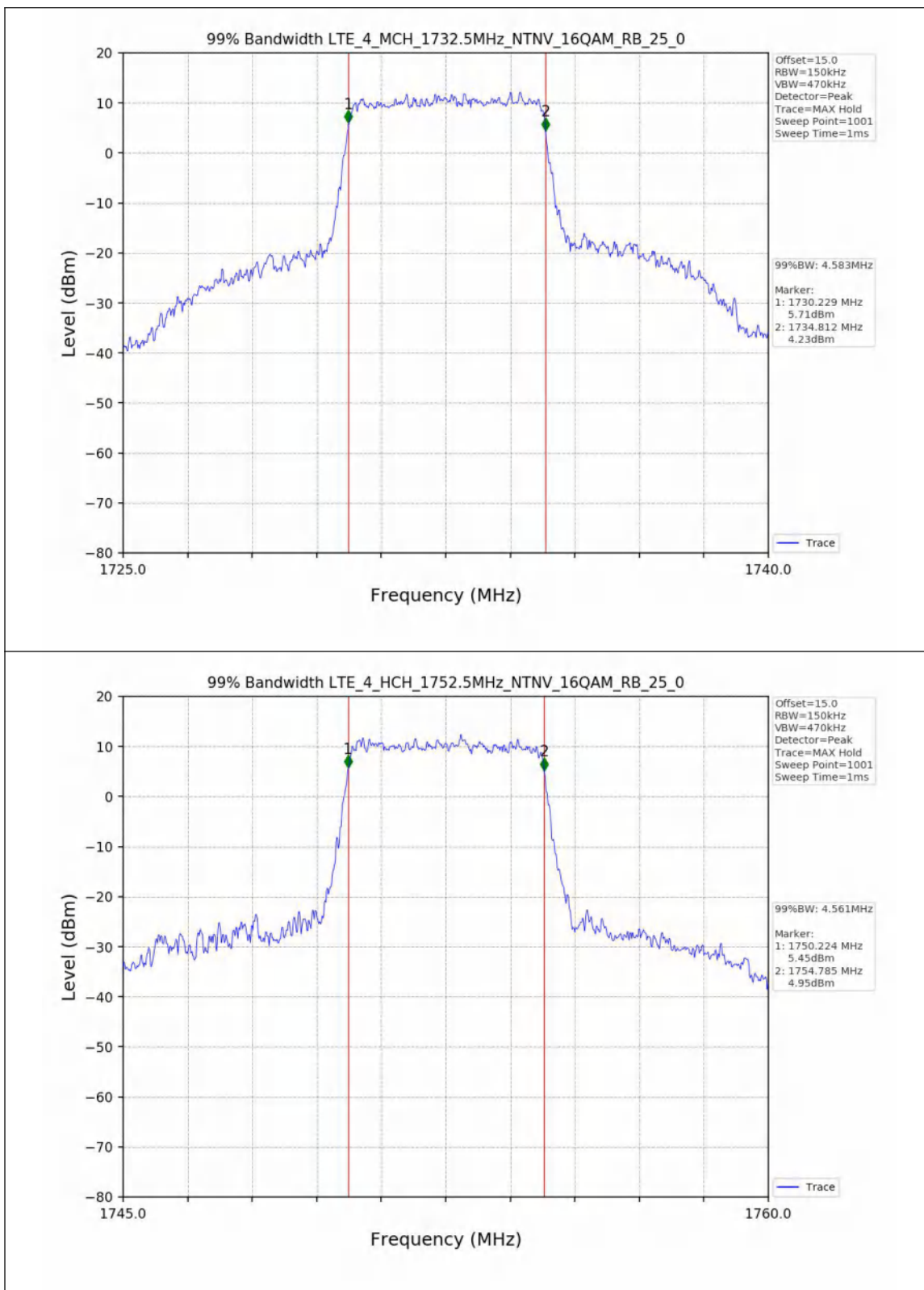


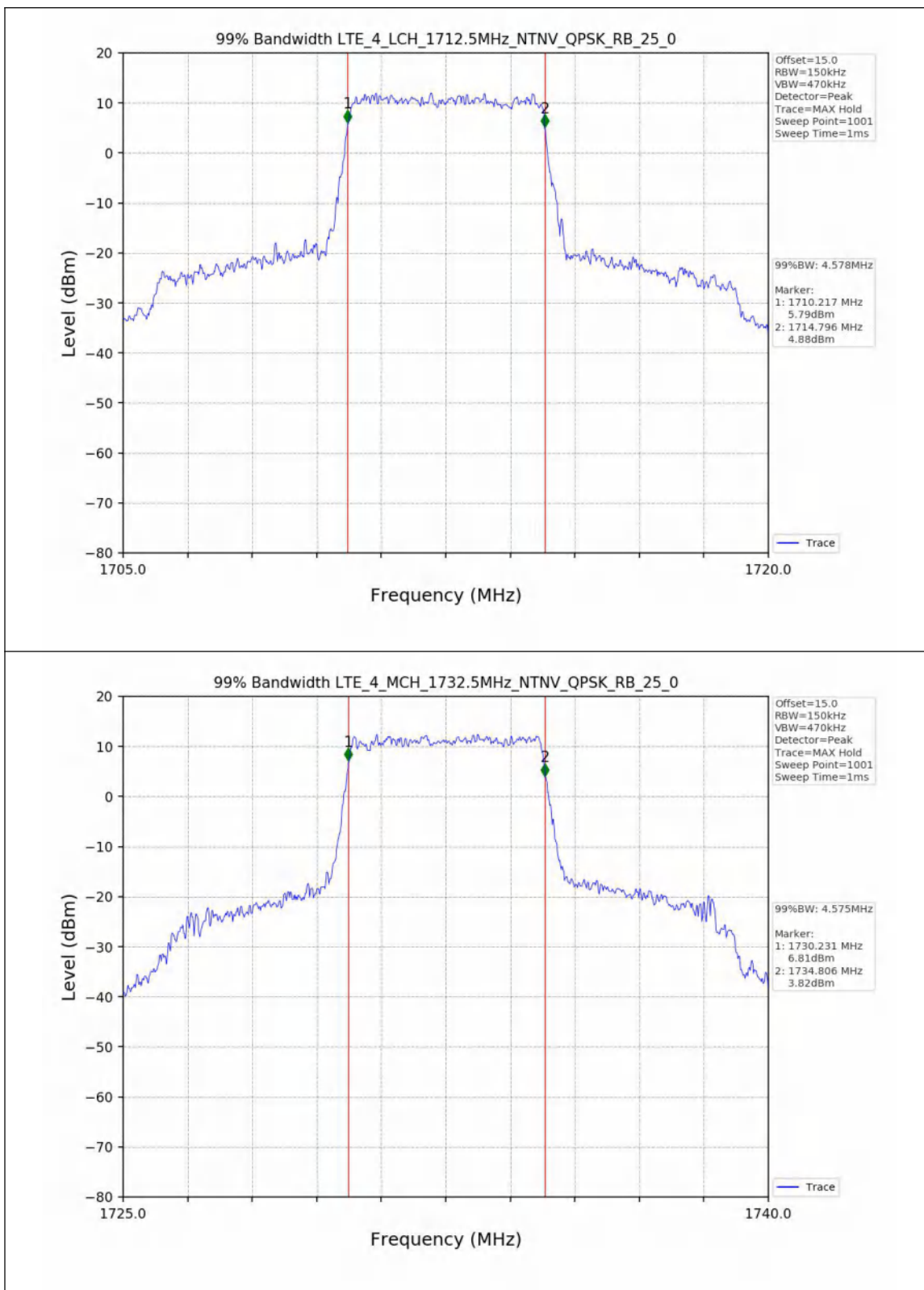
Test Band: 4_5MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

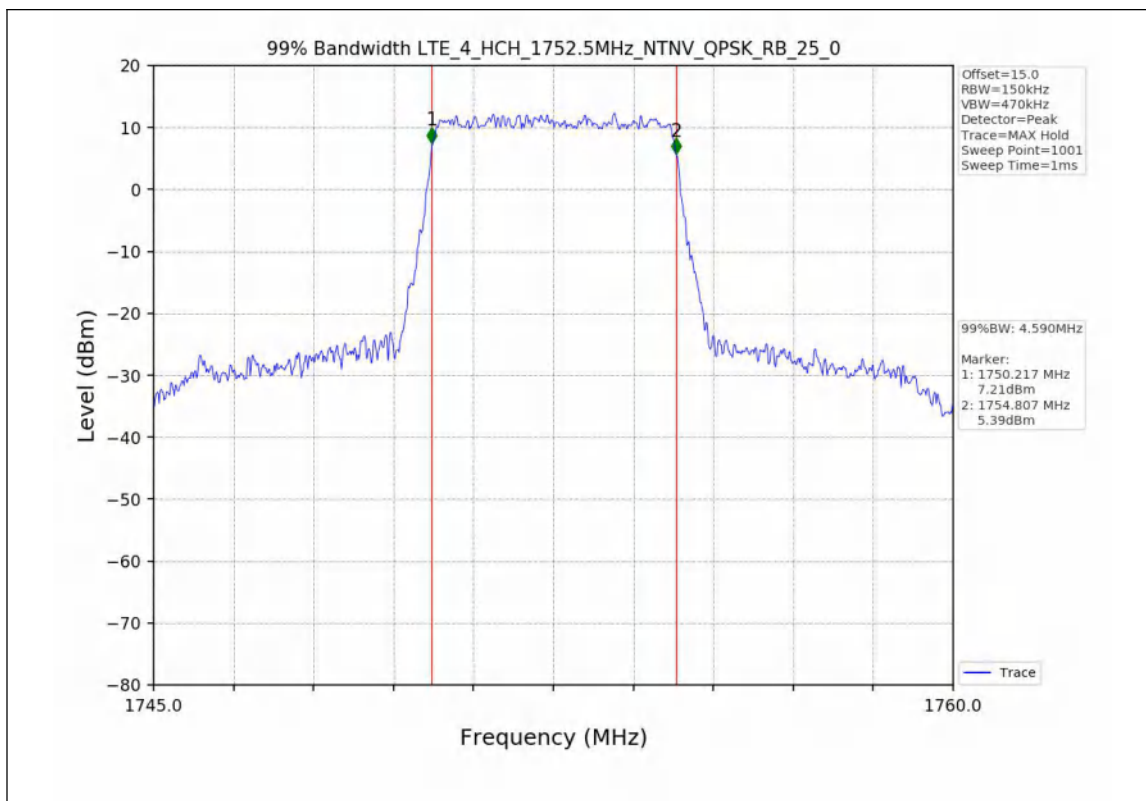
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.578	4.575	4.590	N/A	PASS
16QAM	25	0	4.596	4.583	4.561	N/A	PASS

4.2 Test Graph



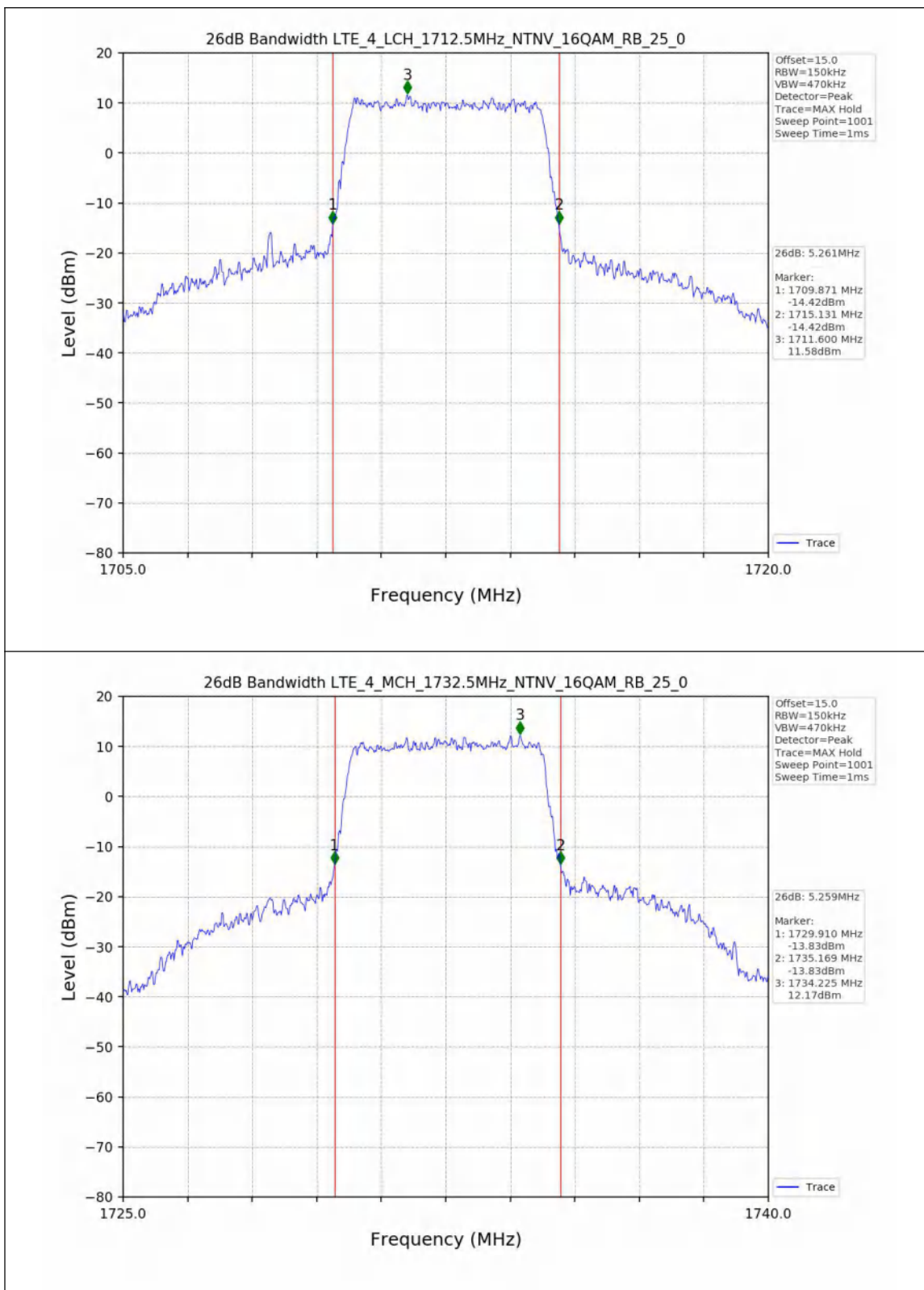


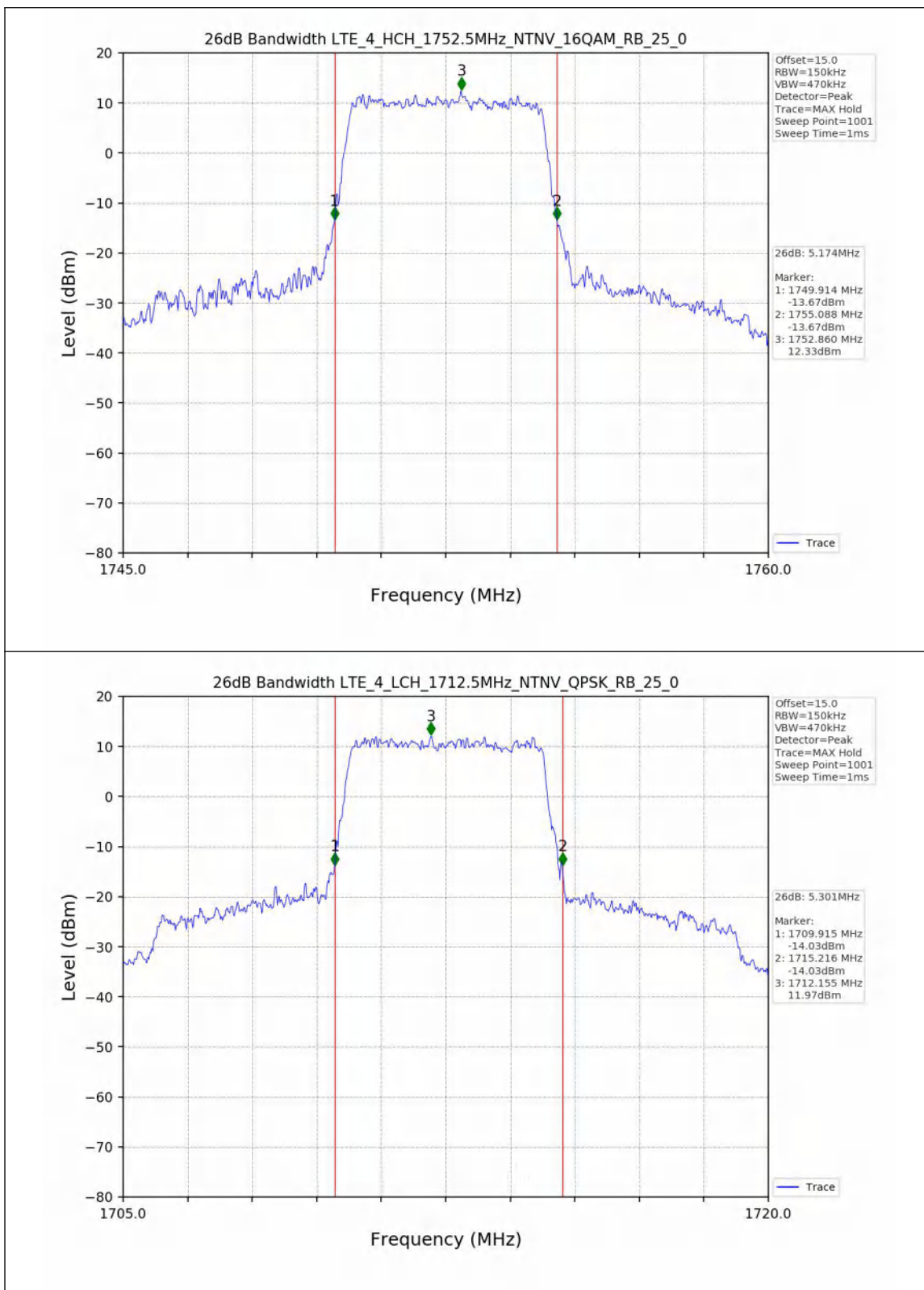


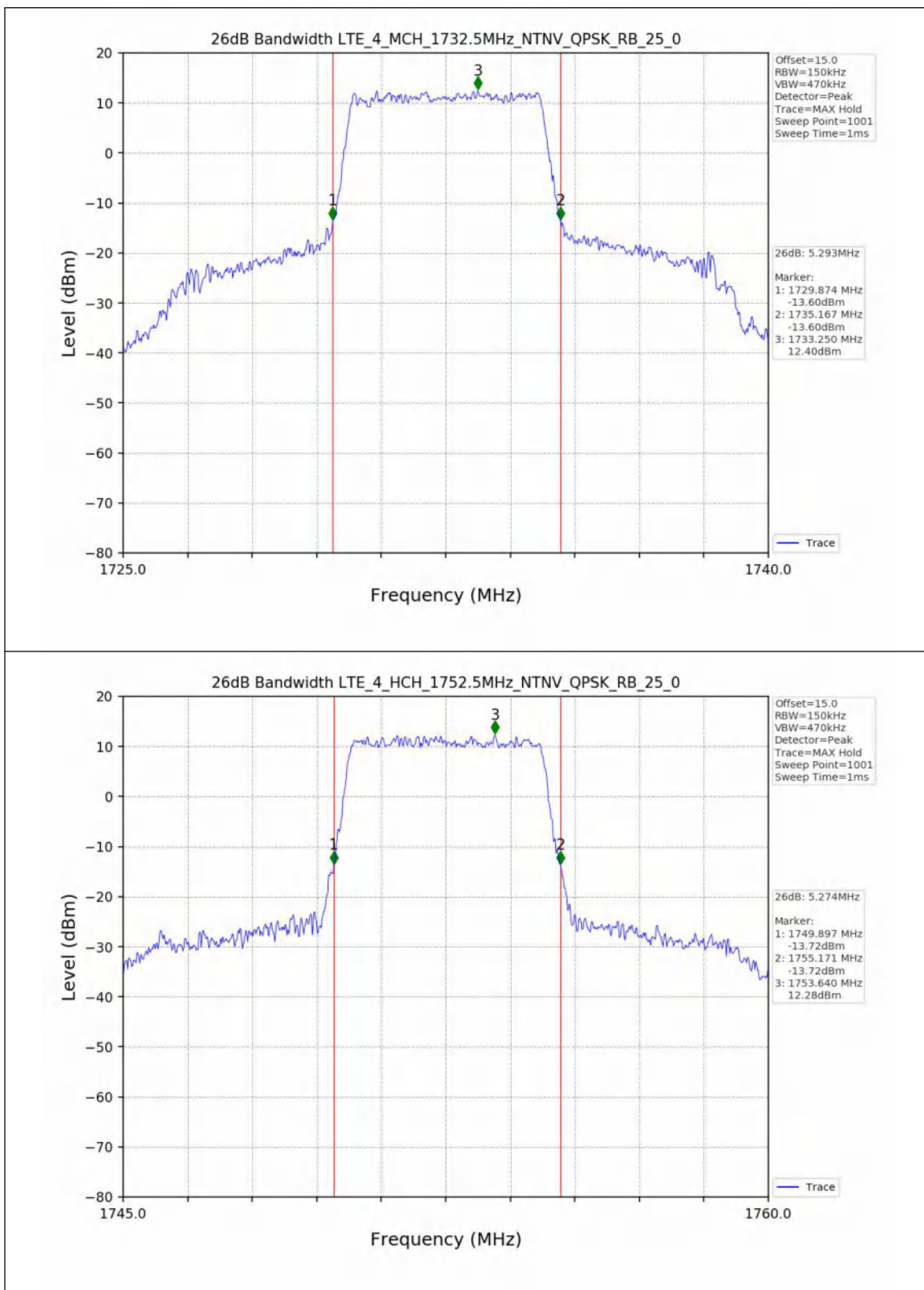


Test Band: 4_5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.301	5.293	5.274	N/A	PASS
16QAM	25	0	5.261	5.259	5.174	N/A	PASS

4.2 Test Graph



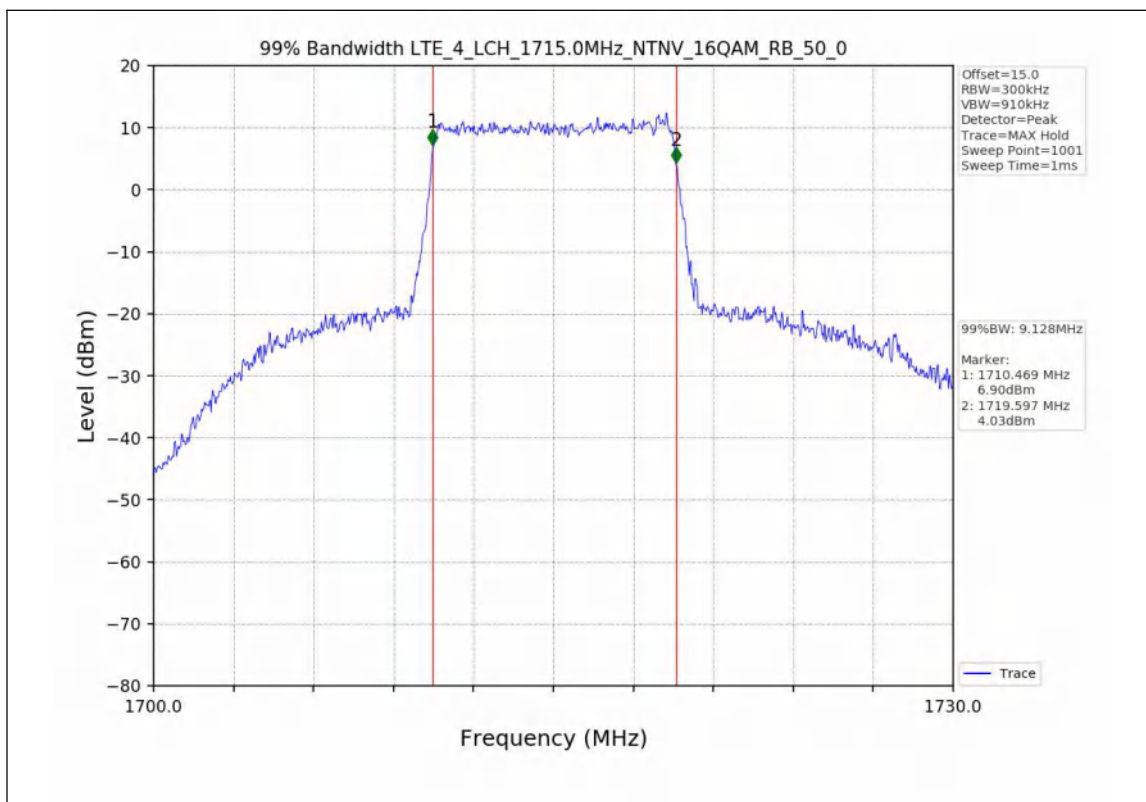


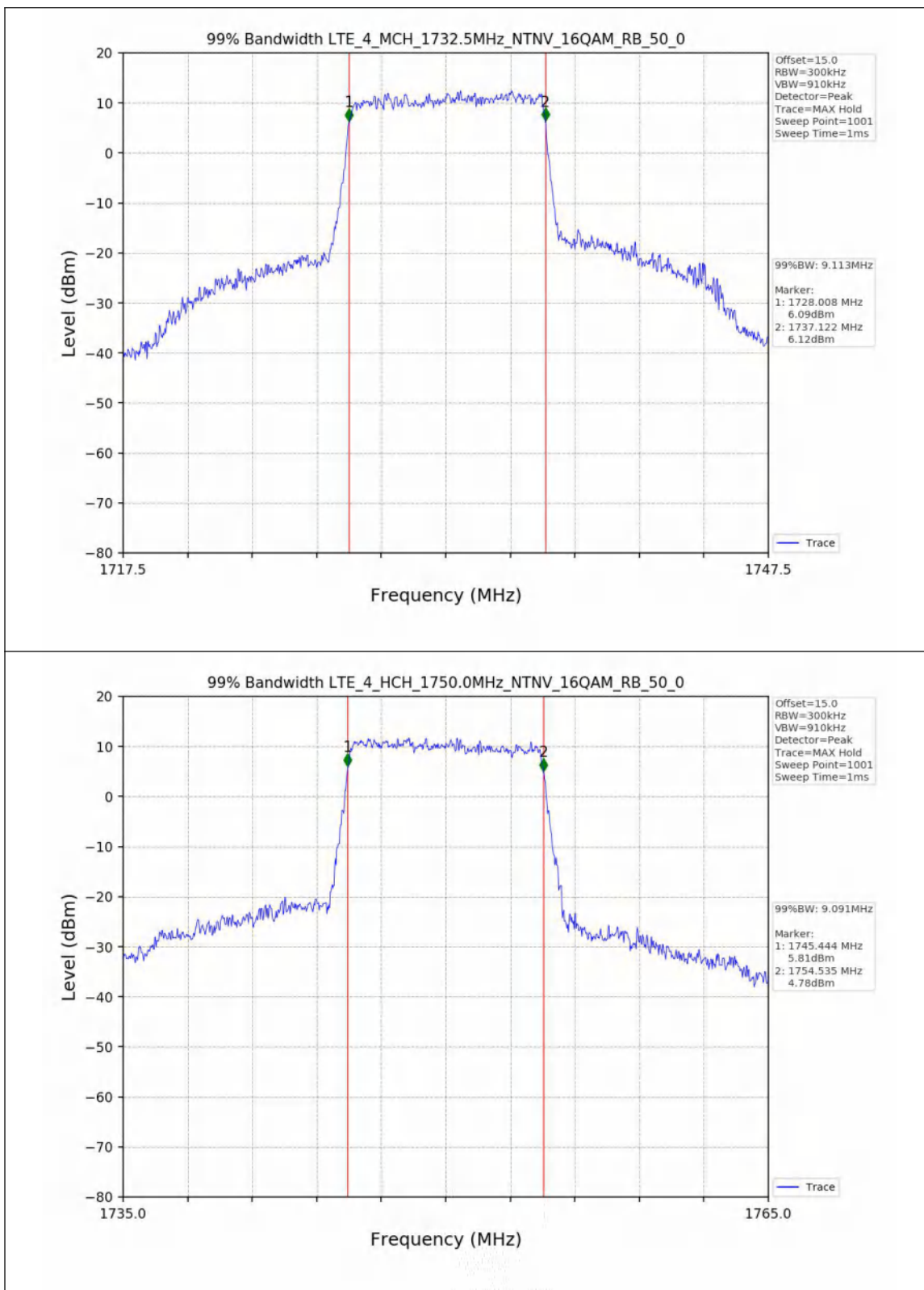


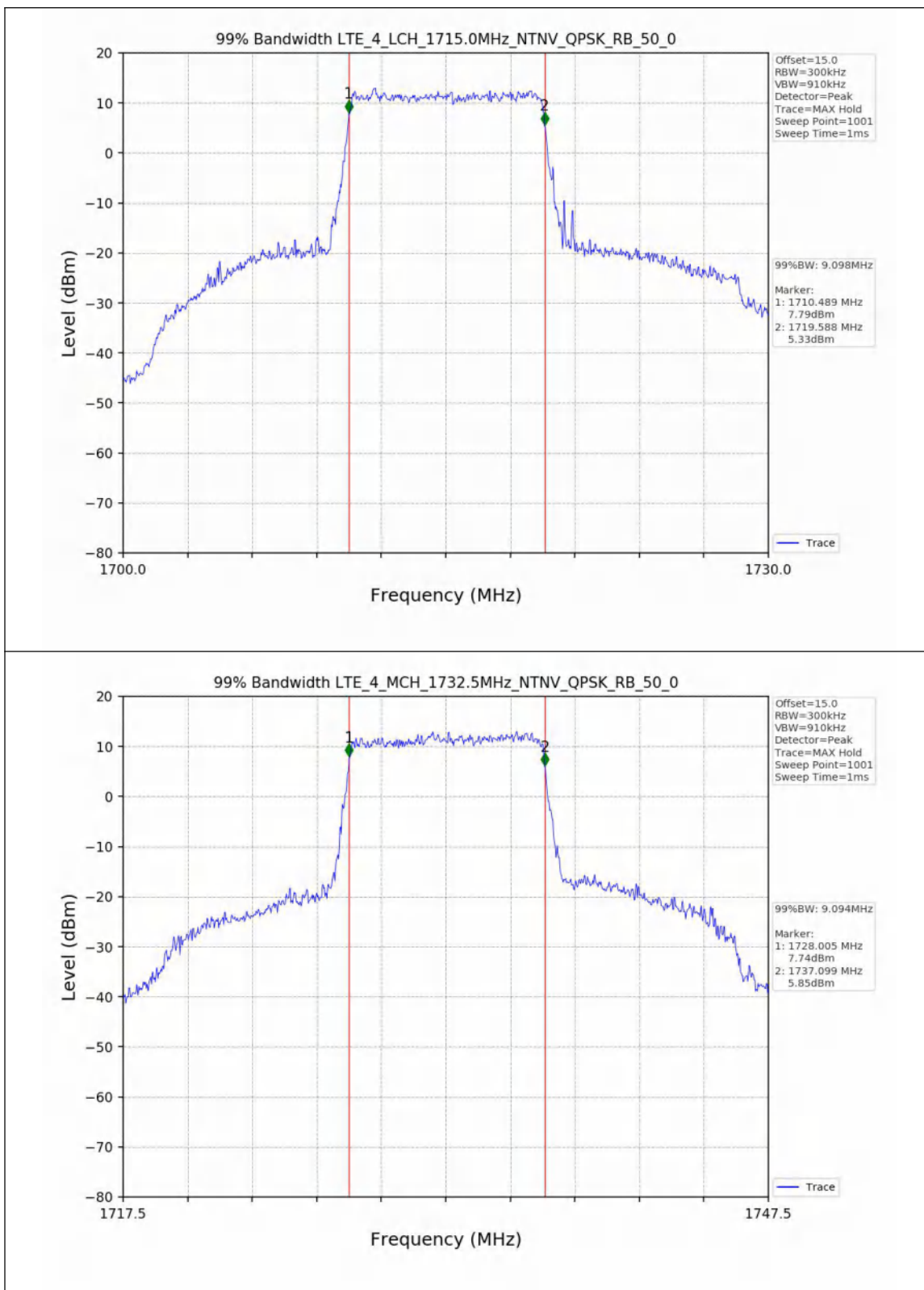
Test Band: 4 _ 10MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

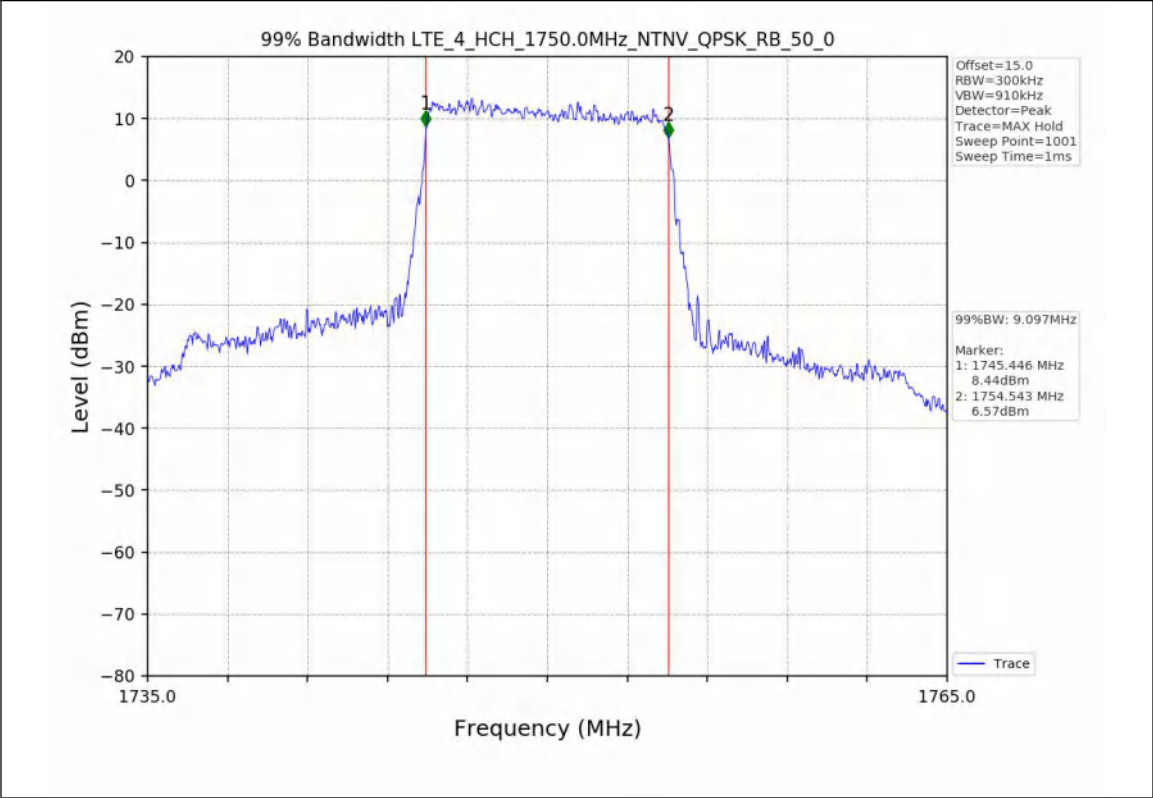
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.098	9.094	9.097	N/A	PASS
16QAM	50	0	9.128	9.113	9.091	N/A	PASS

4.2 Test Graph



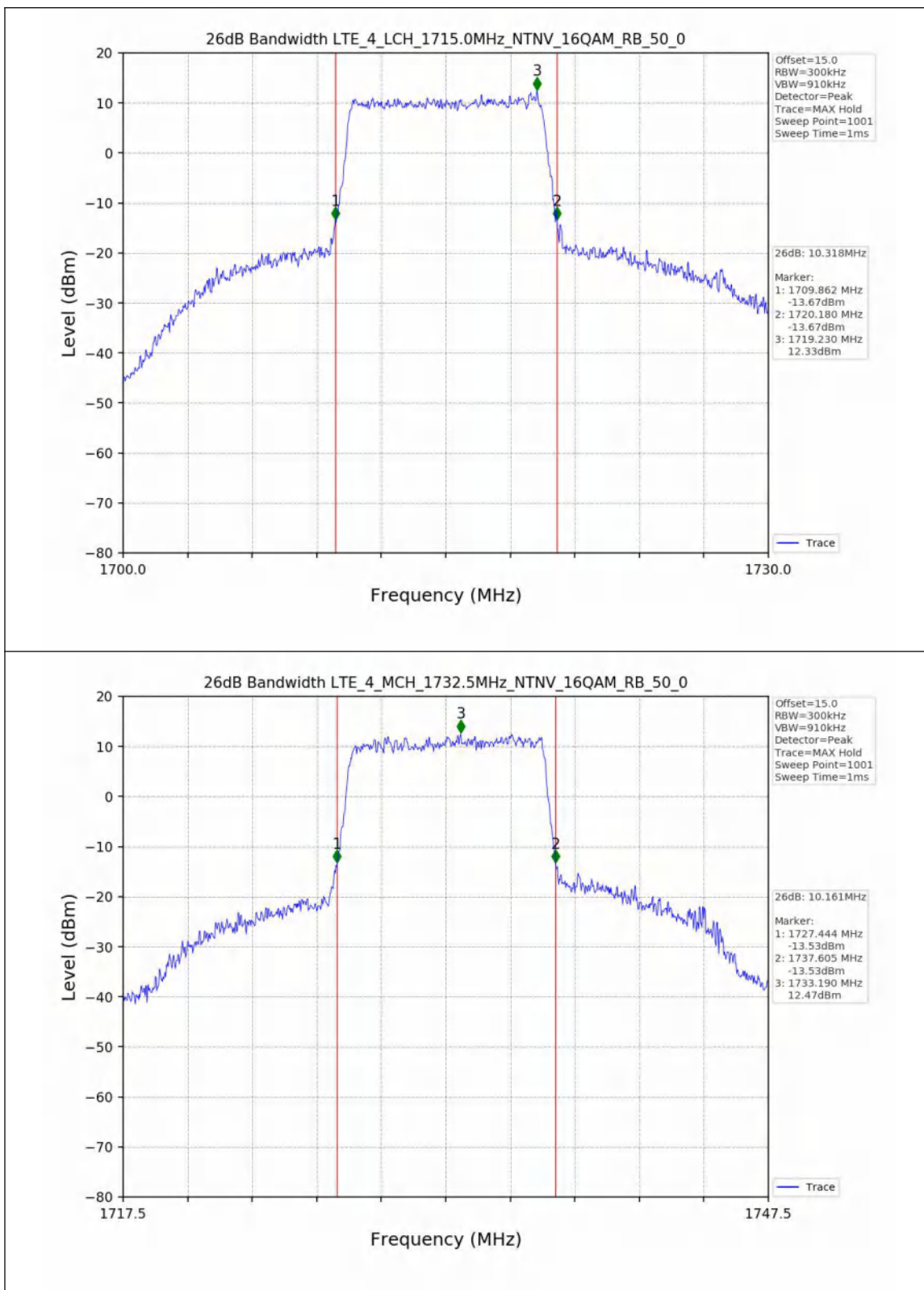


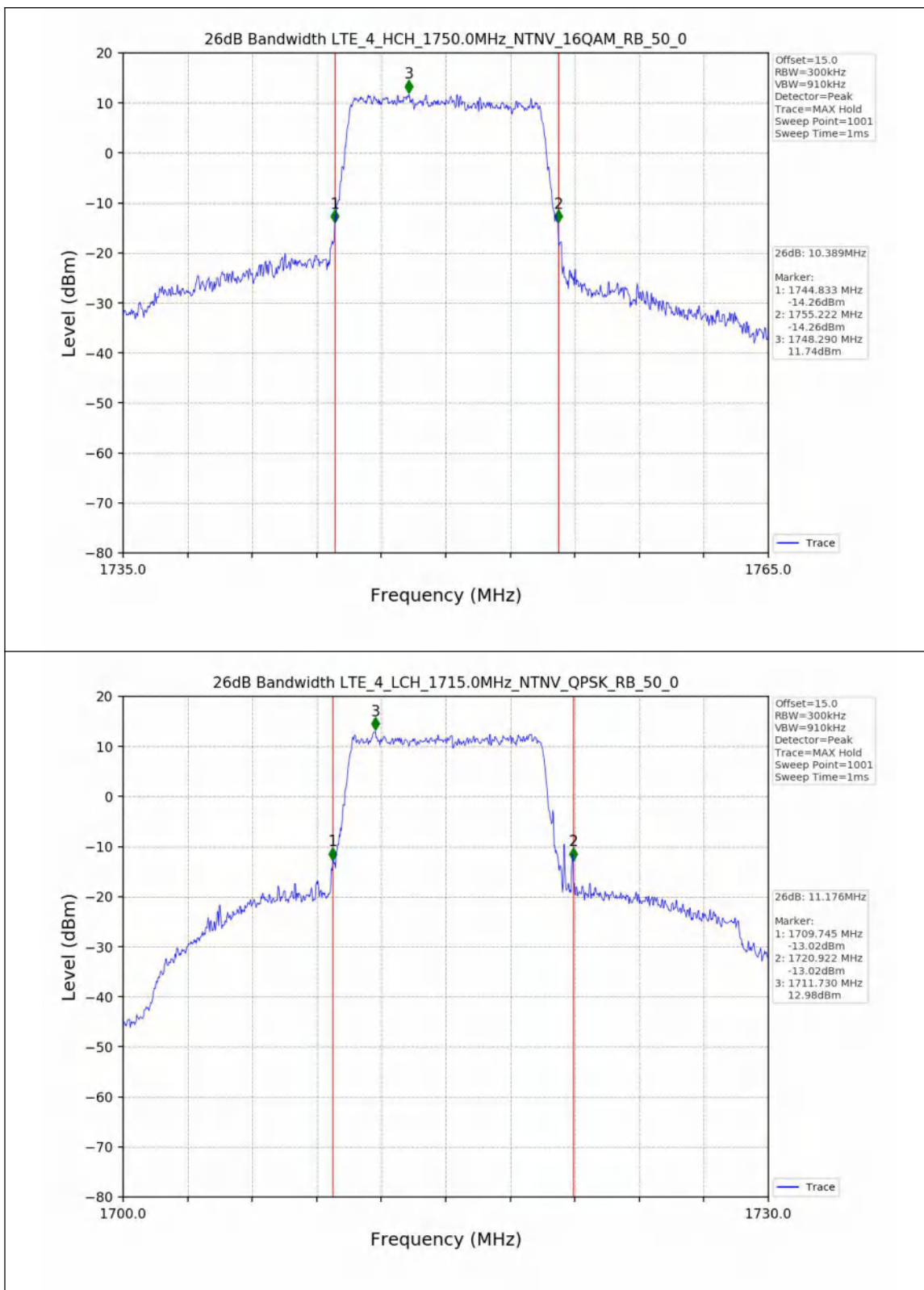


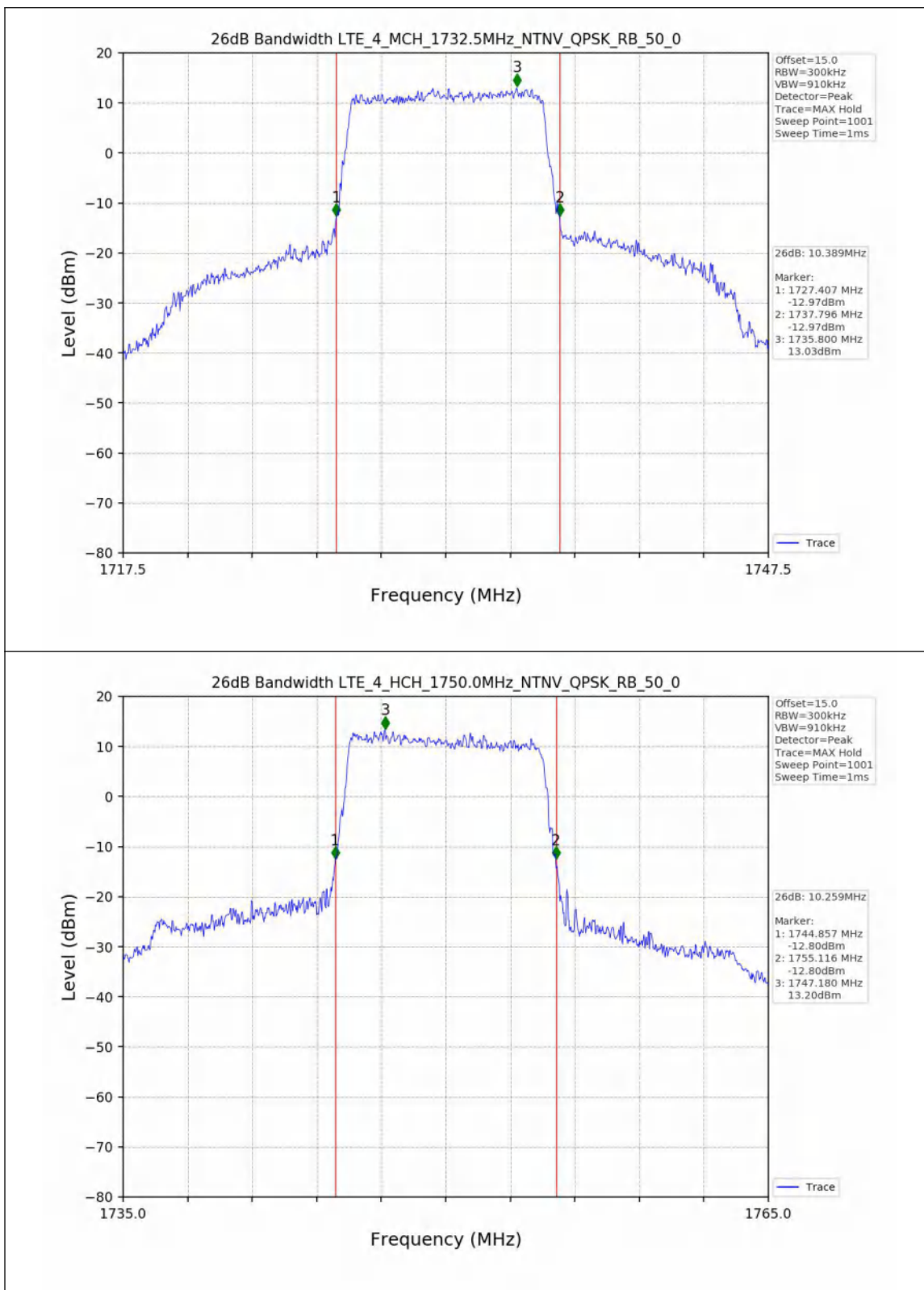


Test Band: 4 _ 10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	11.176	10.389	10.259	N/A	PASS
16QAM	50	0	10.318	10.161	10.389	N/A	PASS

4.2 Test Graph



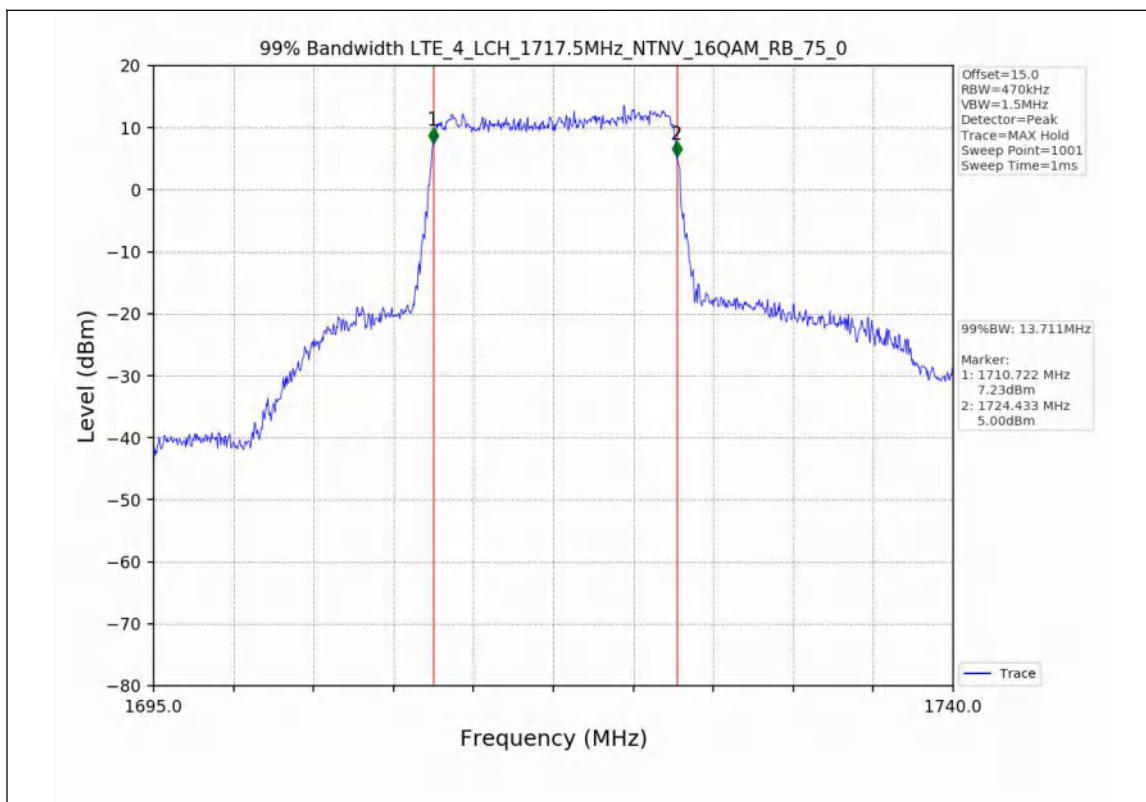


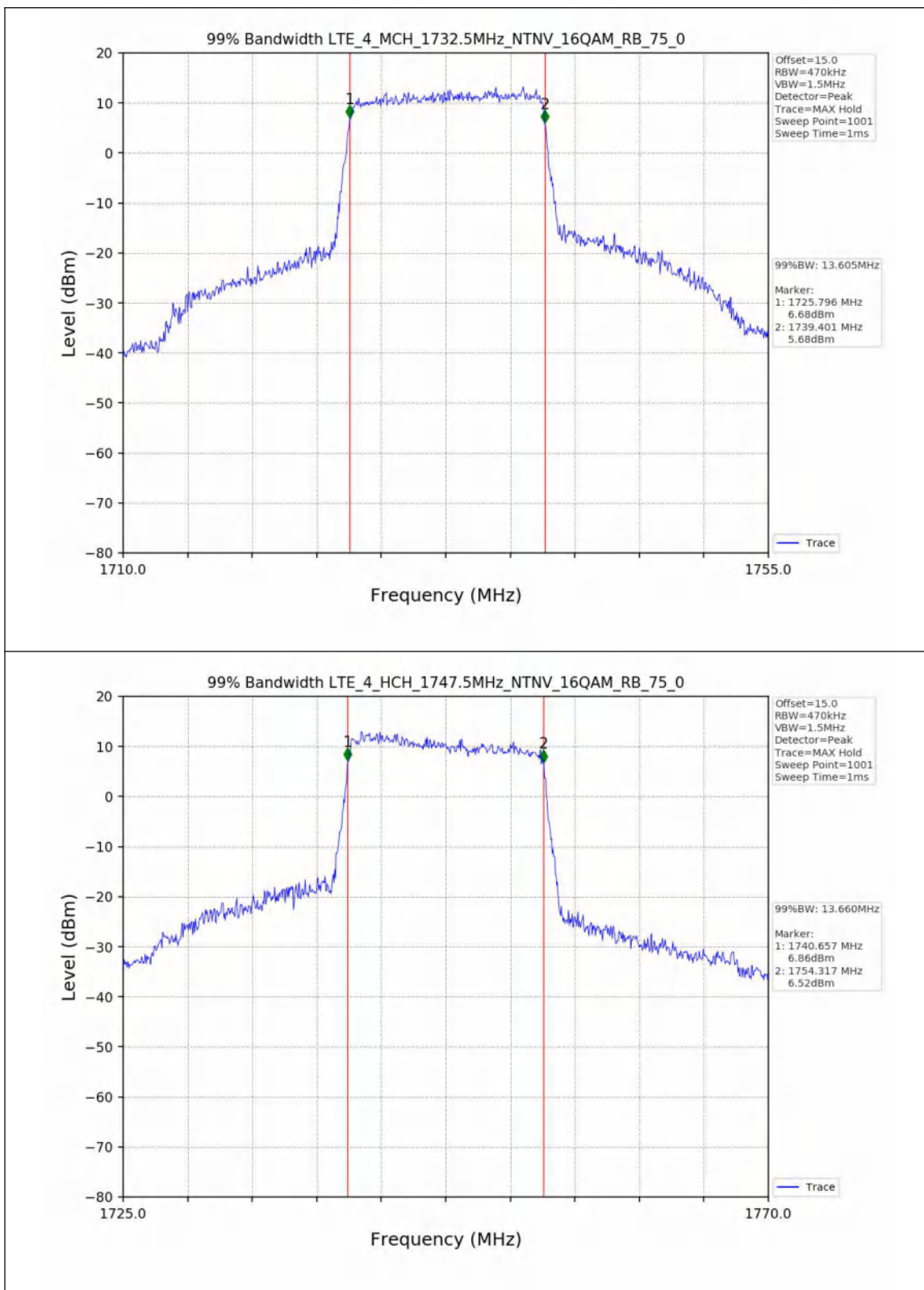


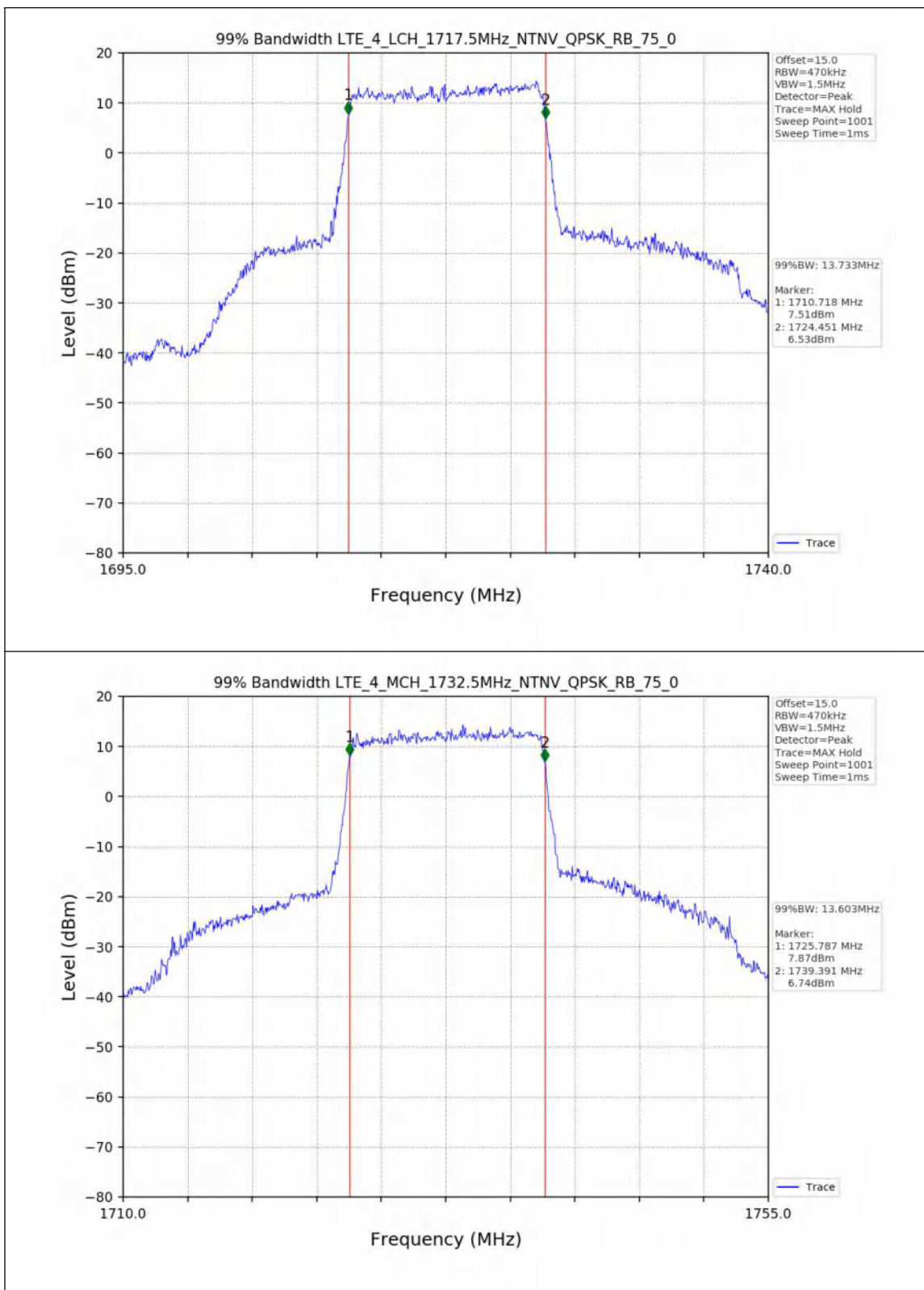
Test Band: 4 _ 15MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

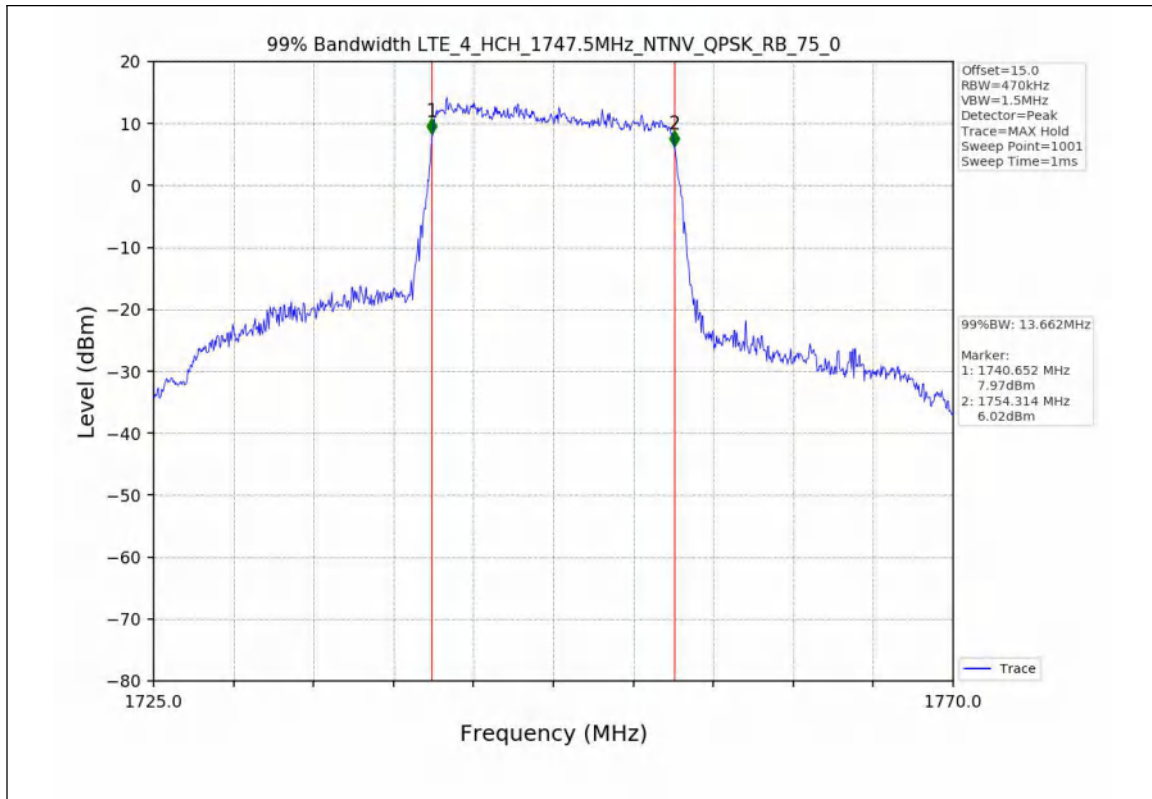
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	13.733	13.603	13.662	N/A	PASS
16QAM	75	0	13.711	13.605	13.660	N/A	PASS

4.2 Test Graph



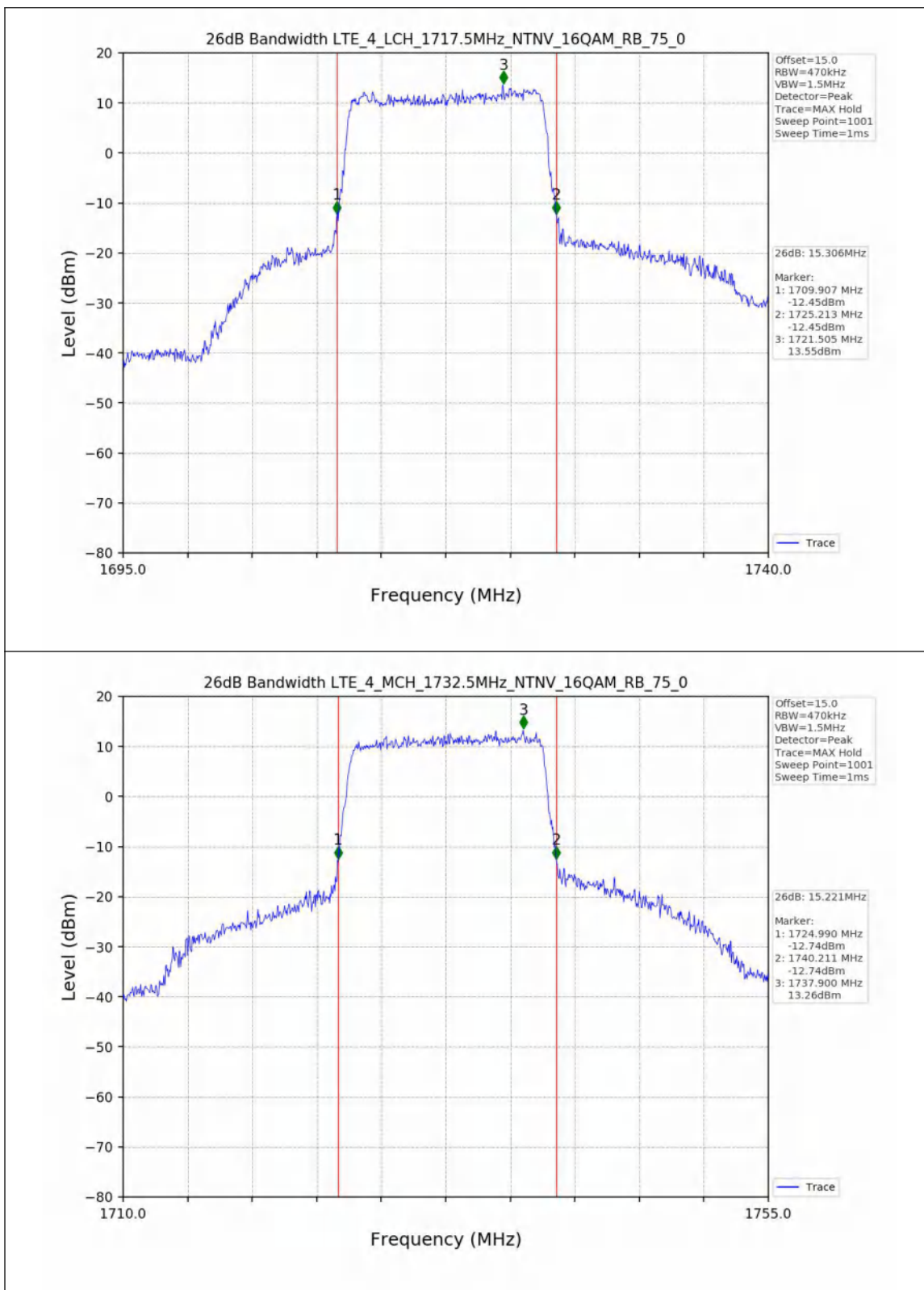


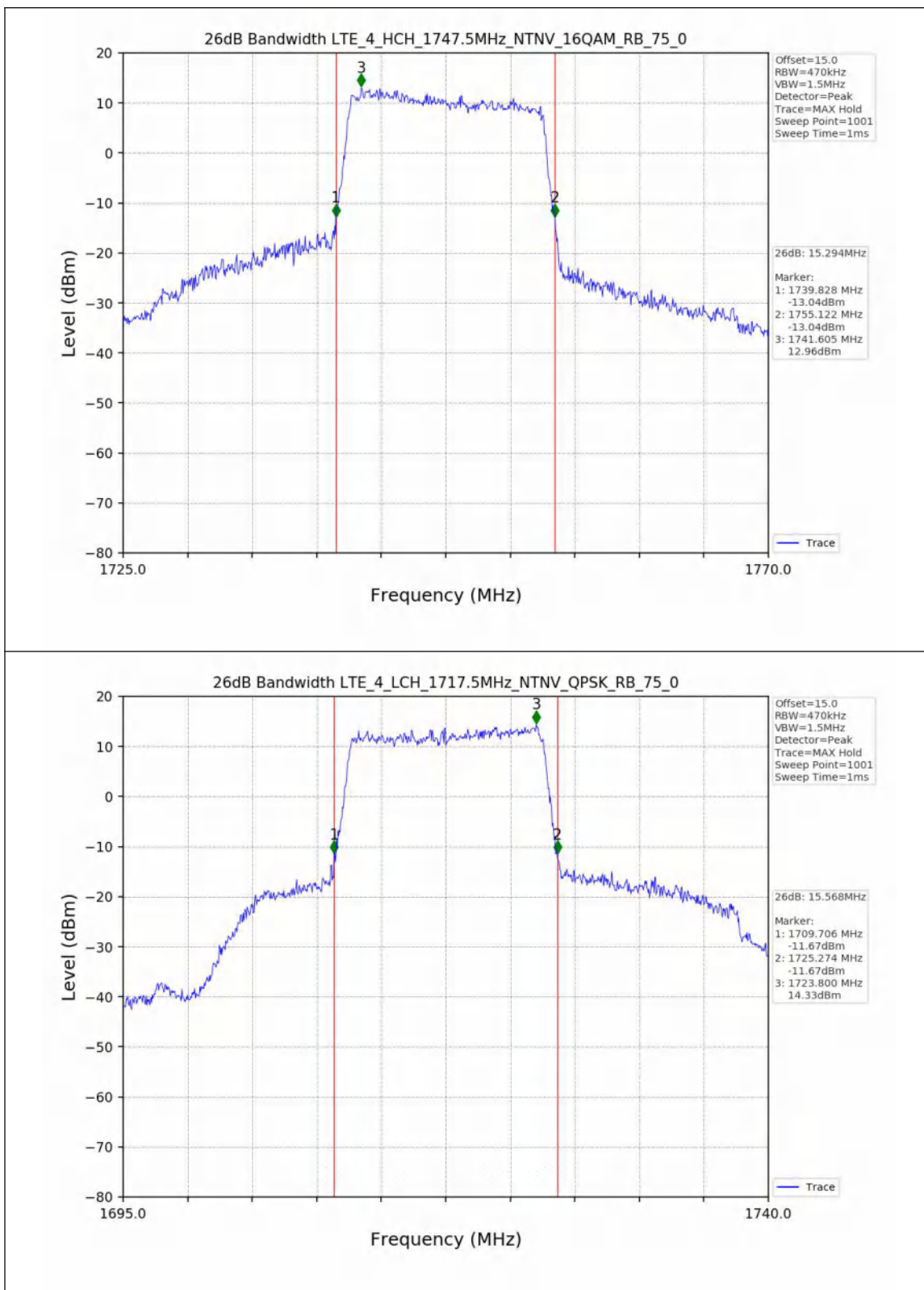


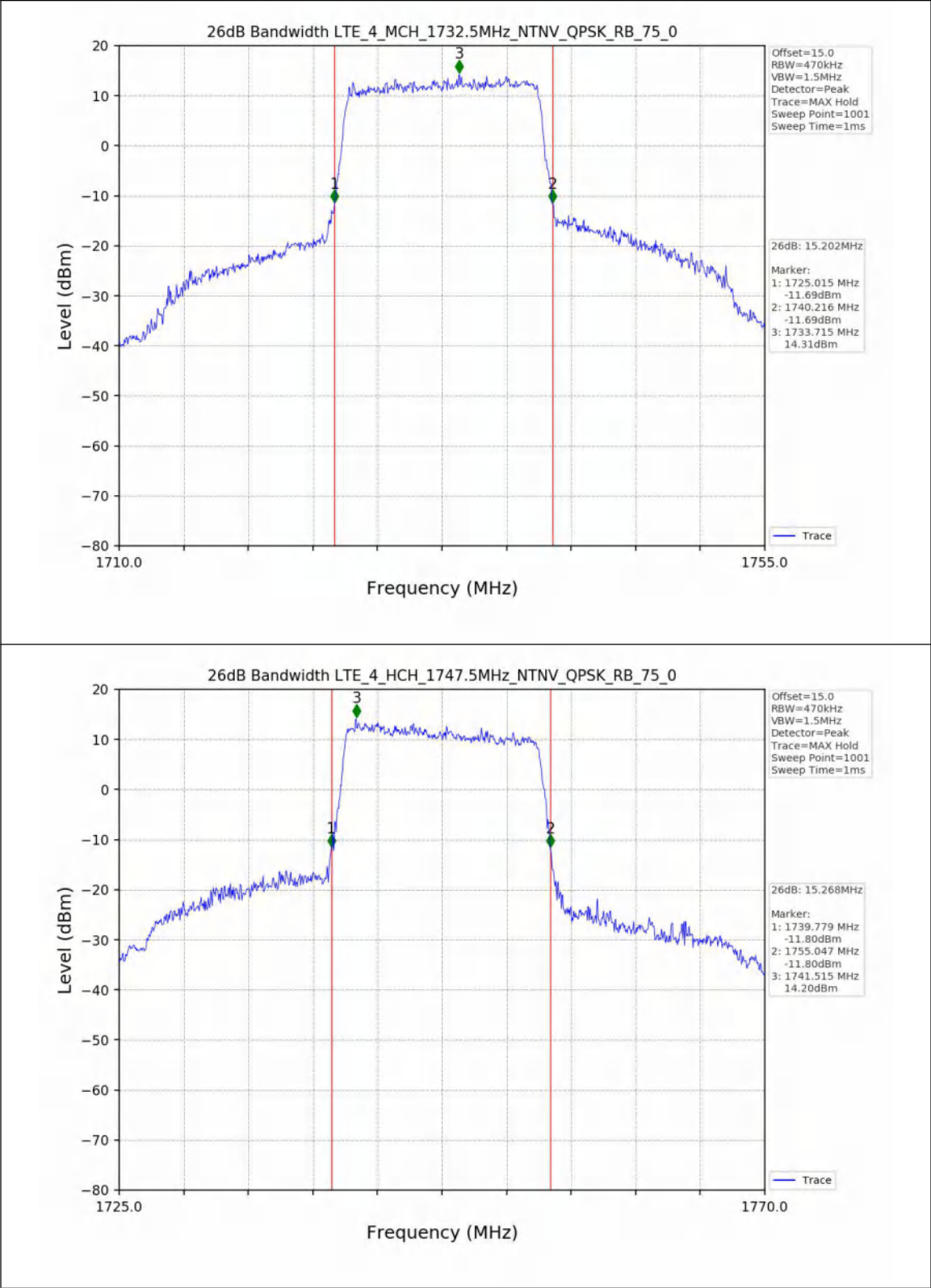


Test Band: 4 _ 15MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	15.568	15.202	15.268	N/A	PASS
16QAM	75	0	15.306	15.221	15.294	N/A	PASS

4.2 Test Graph



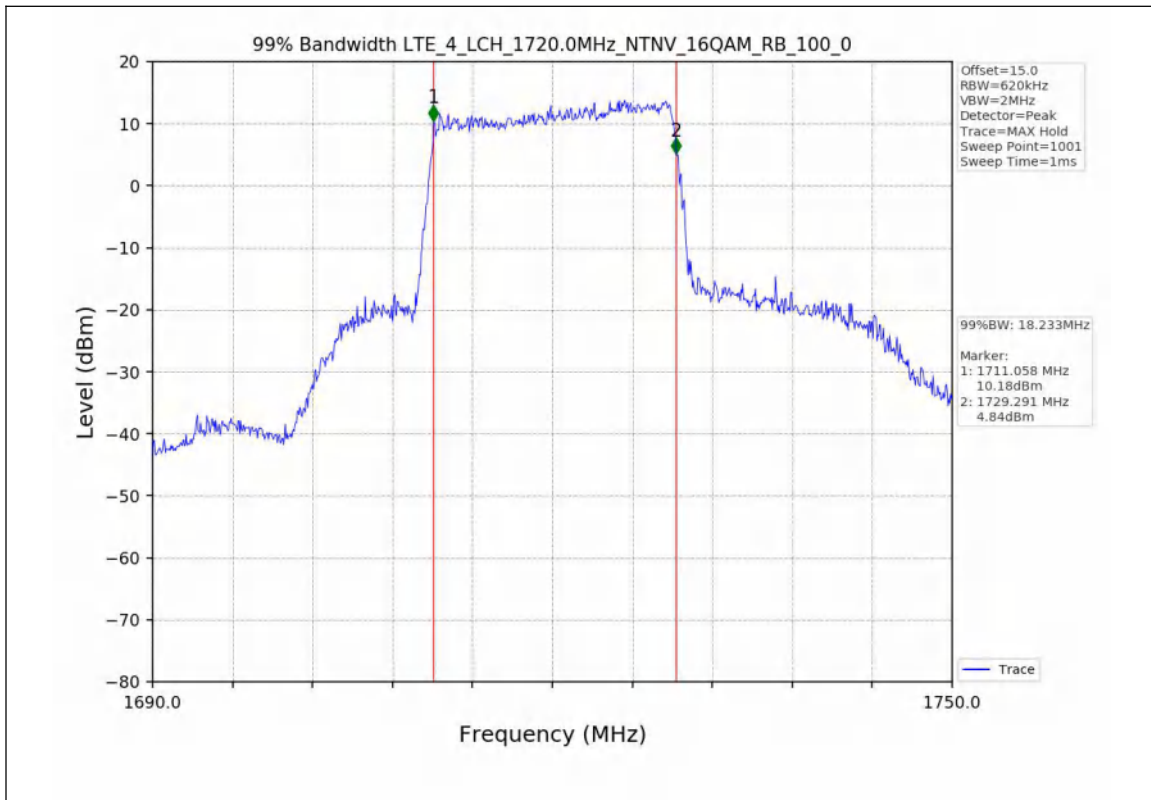


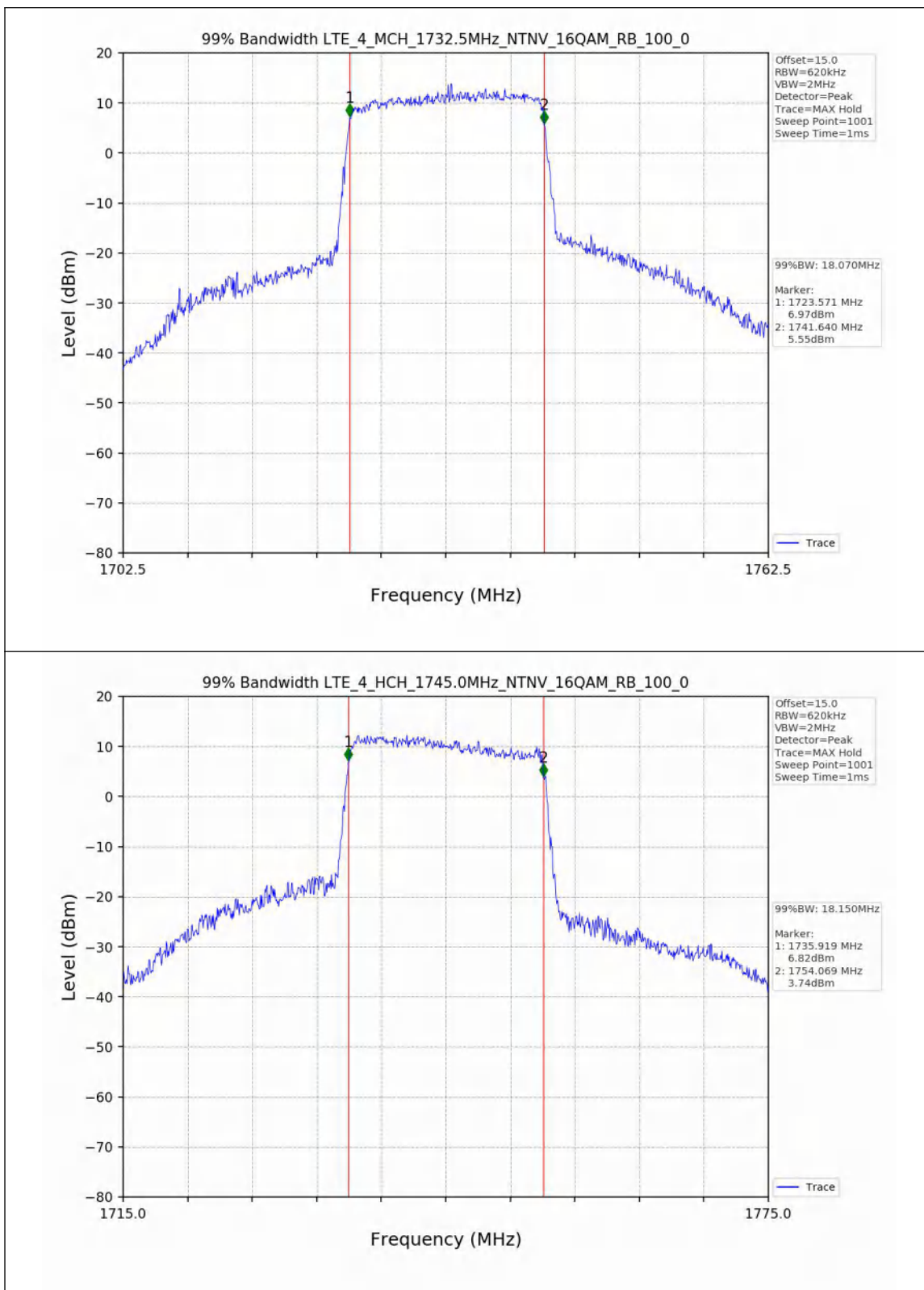


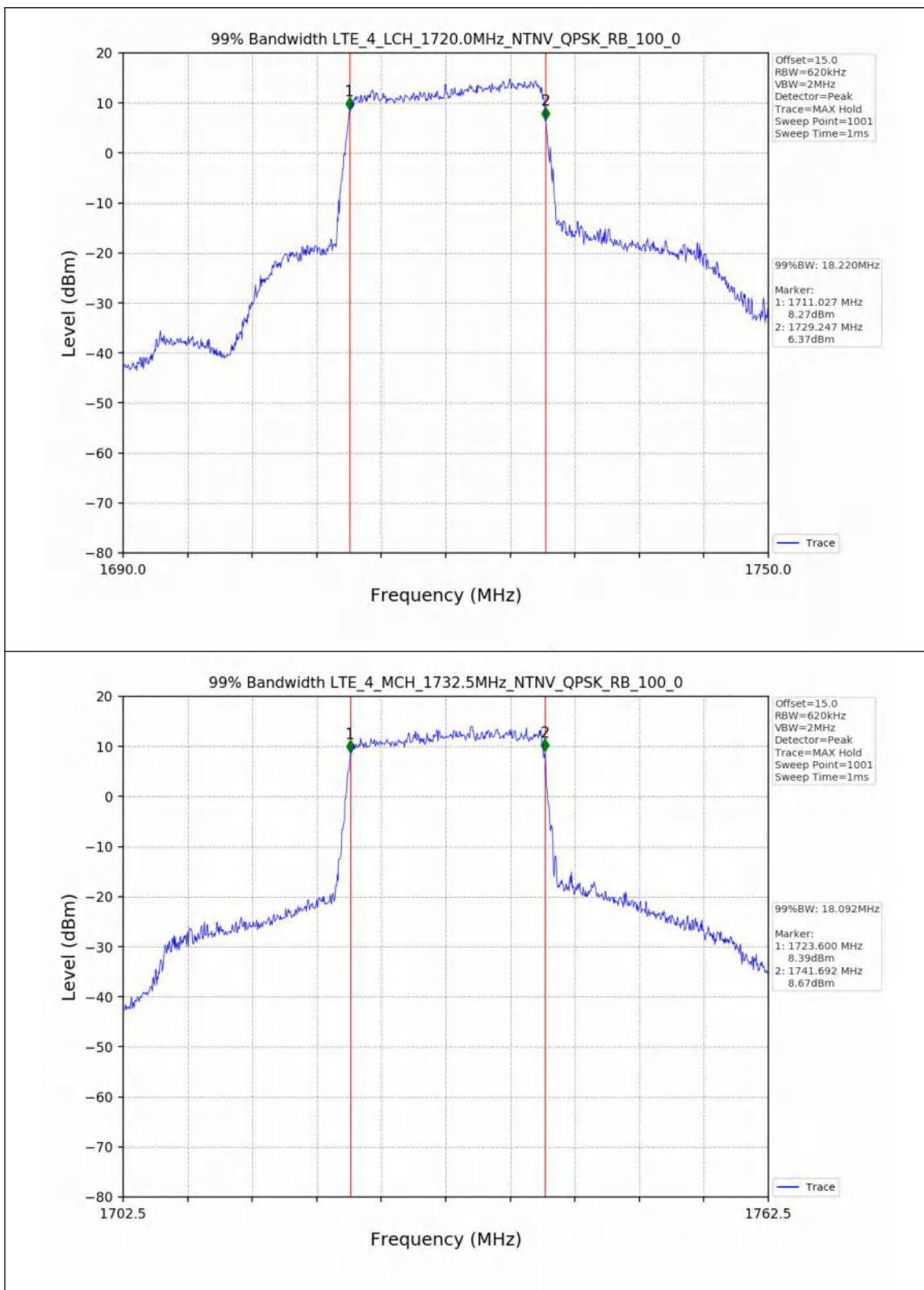
Test Band: 4 _20MHz Bandwidth				
Test Mode	RB Allocation	99% Occupied Bandwidth (MHz)	Limit	Verdict

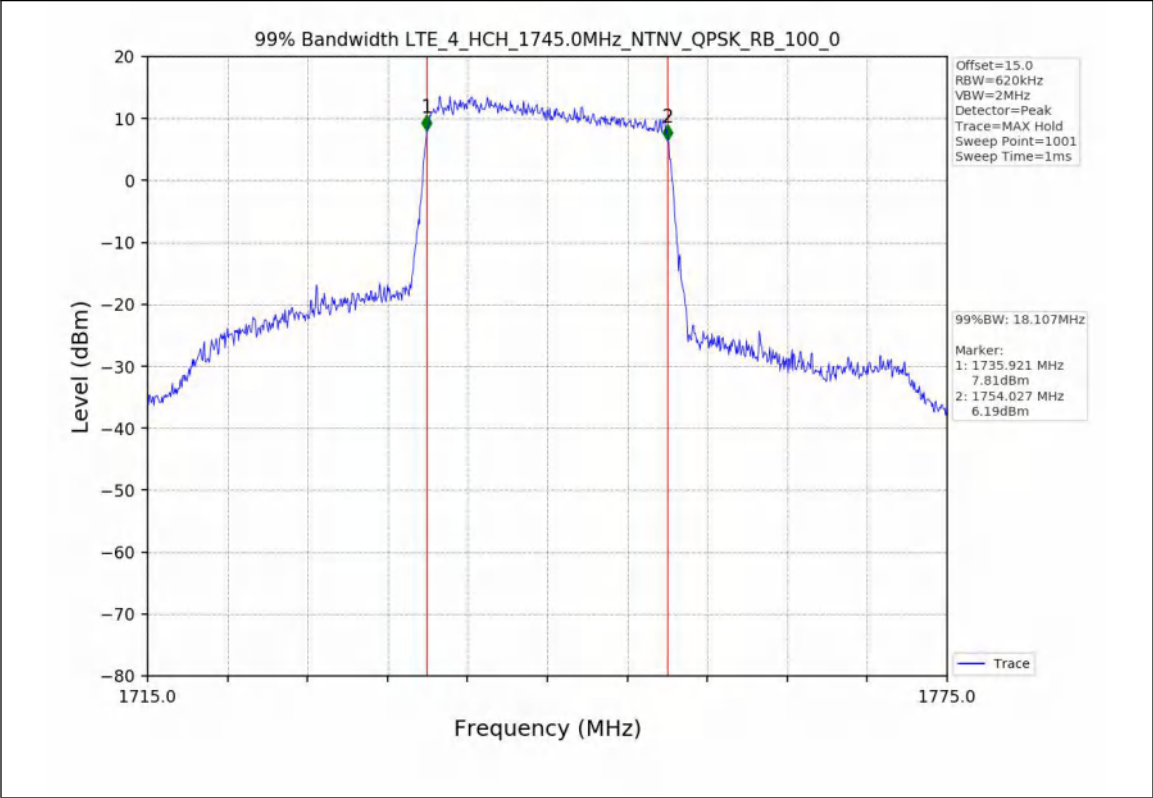
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	18.220	18.092	18.107	N/A	PASS
16QAM	100	0	18.233	18.070	18.150	N/A	PASS

4.2 Test Graph



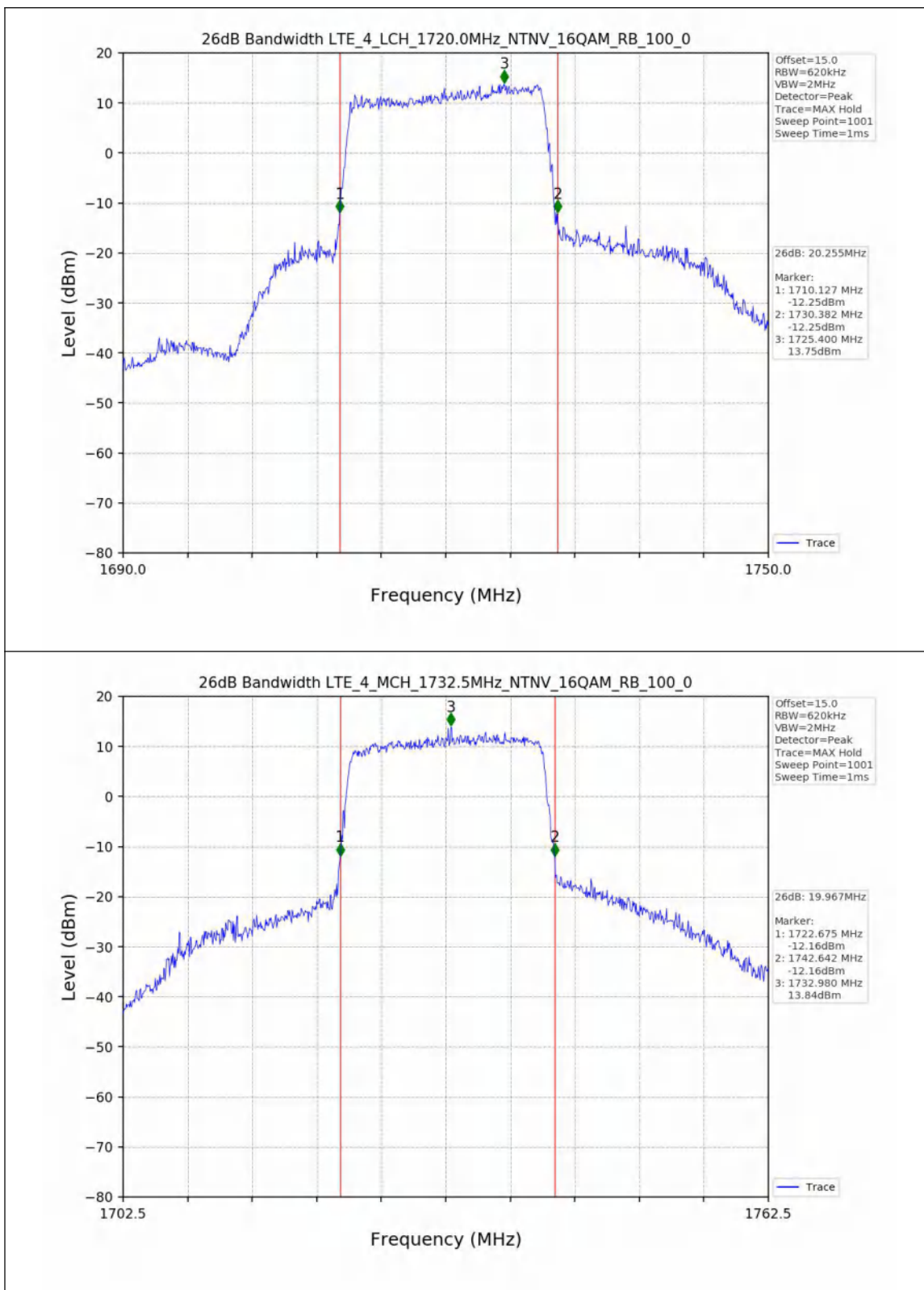


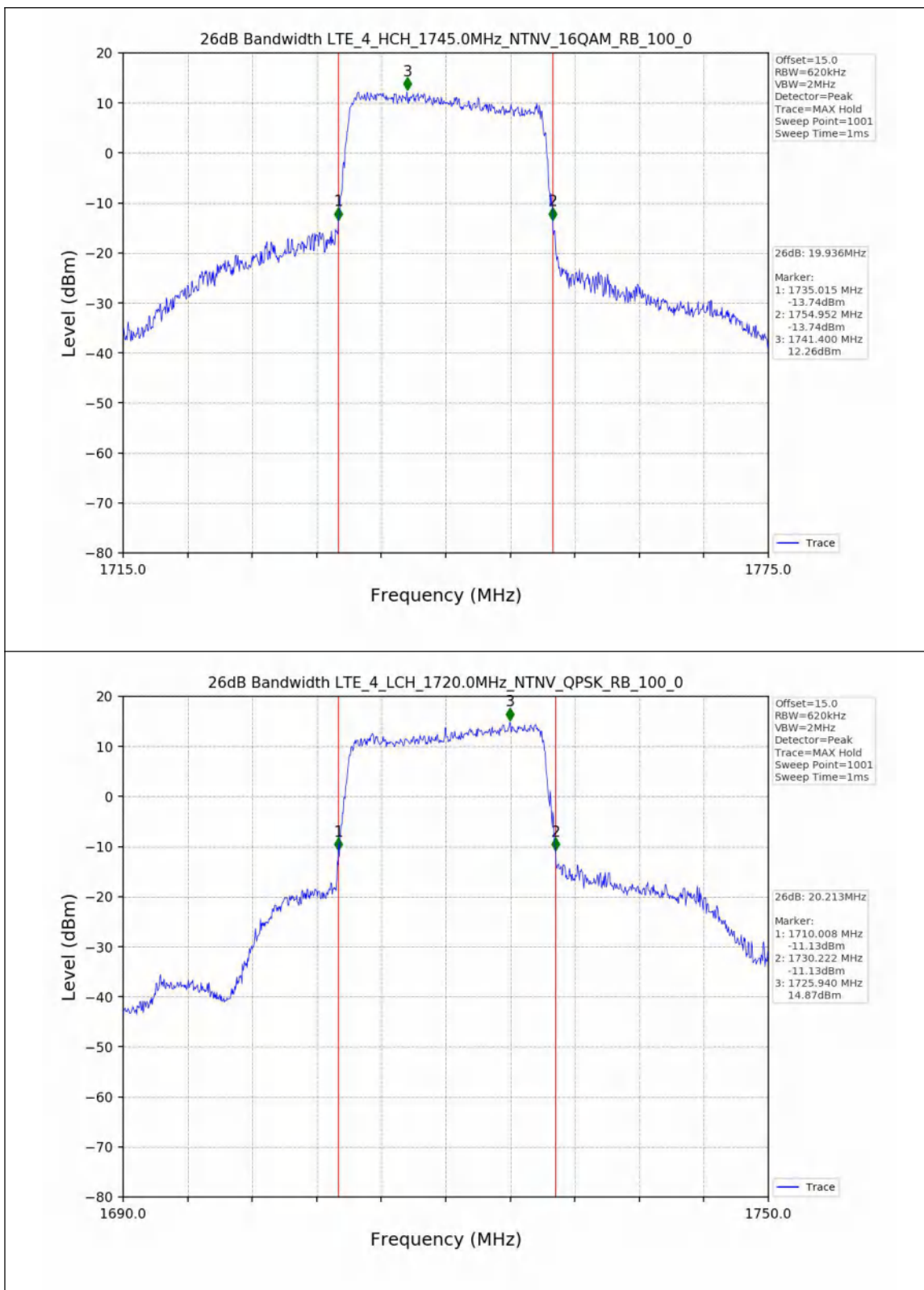


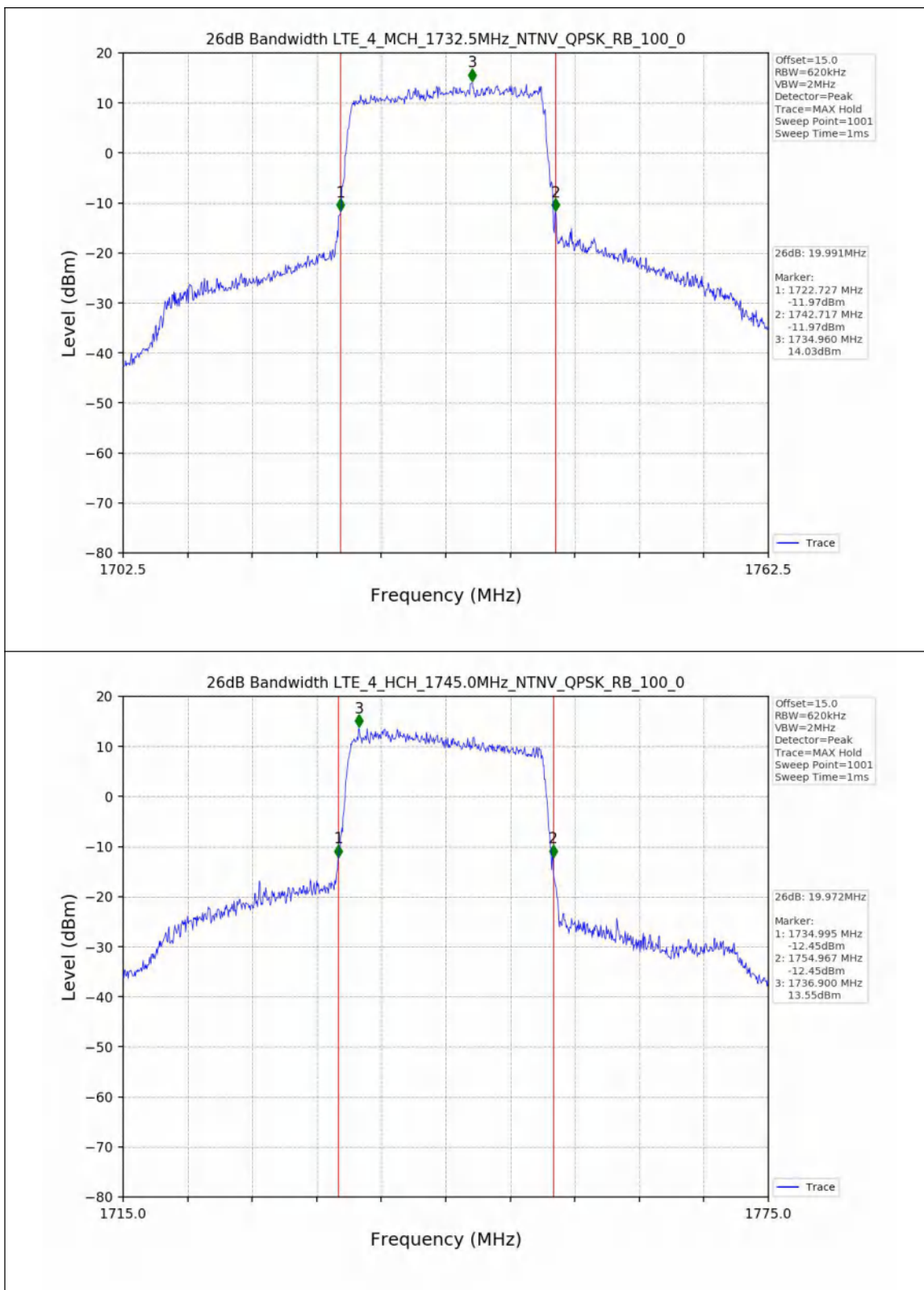


Test Band: 4_20MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	20.213	19.991	19.972	N/A	PASS
16QAM	100	0	20.255	19.967	19.936	N/A	PASS

4.2 Test Graph





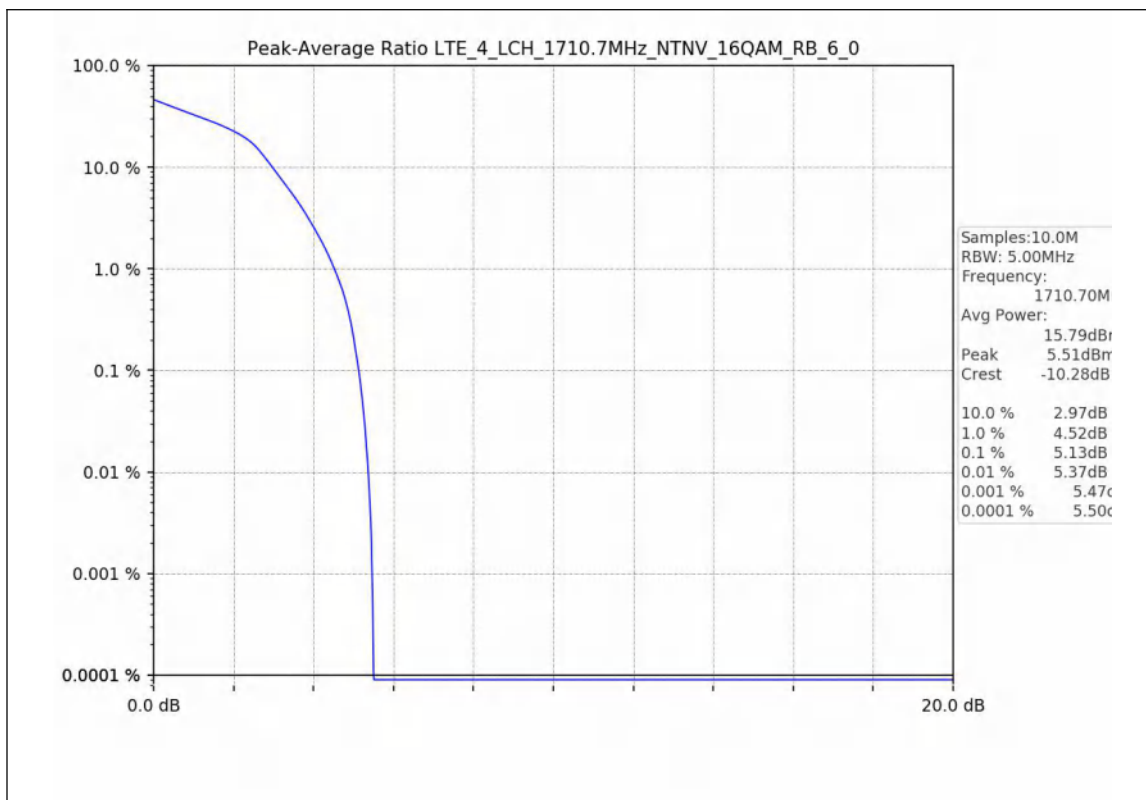


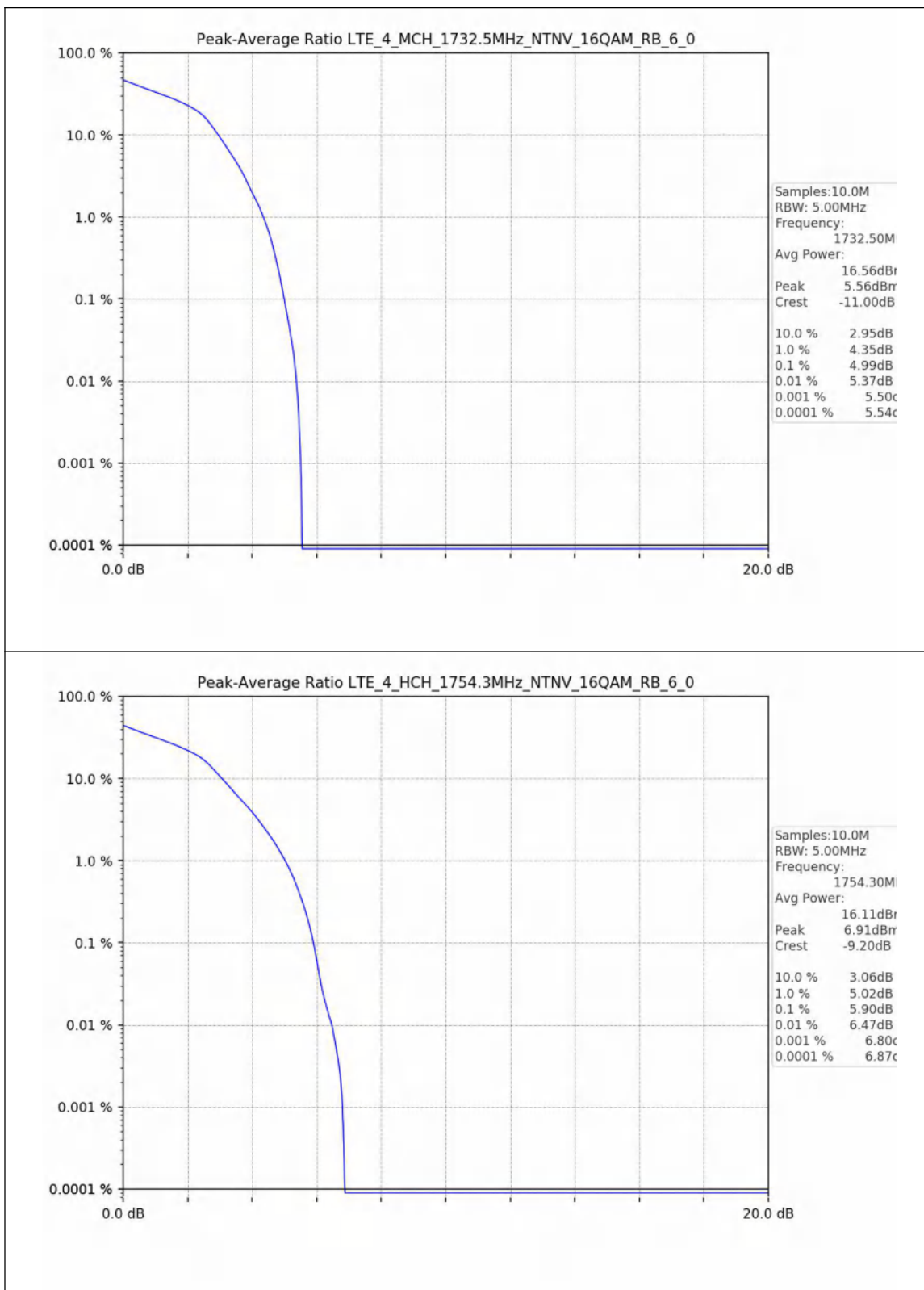
5. Peak-Average Ratio

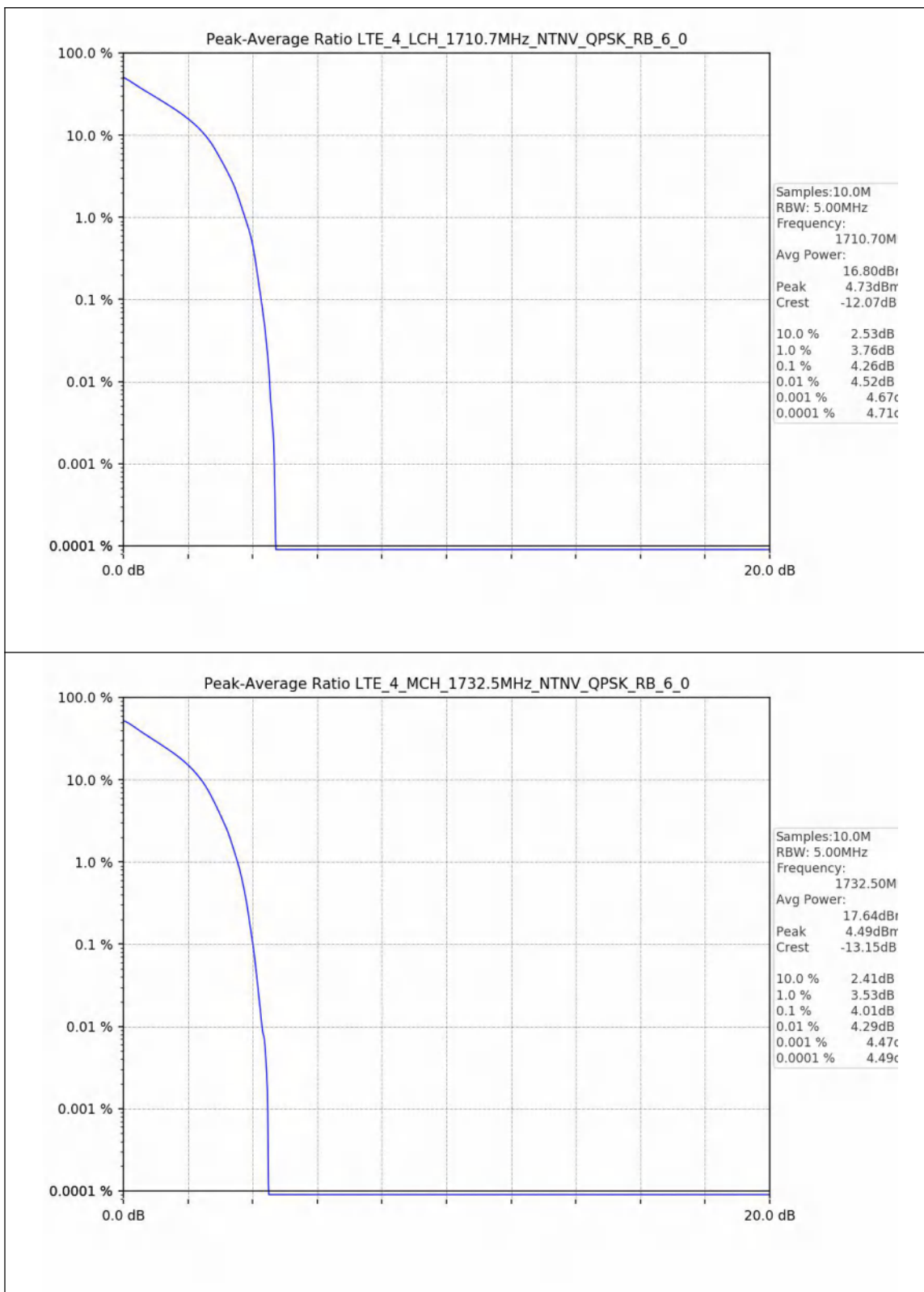
5.1 Test Result

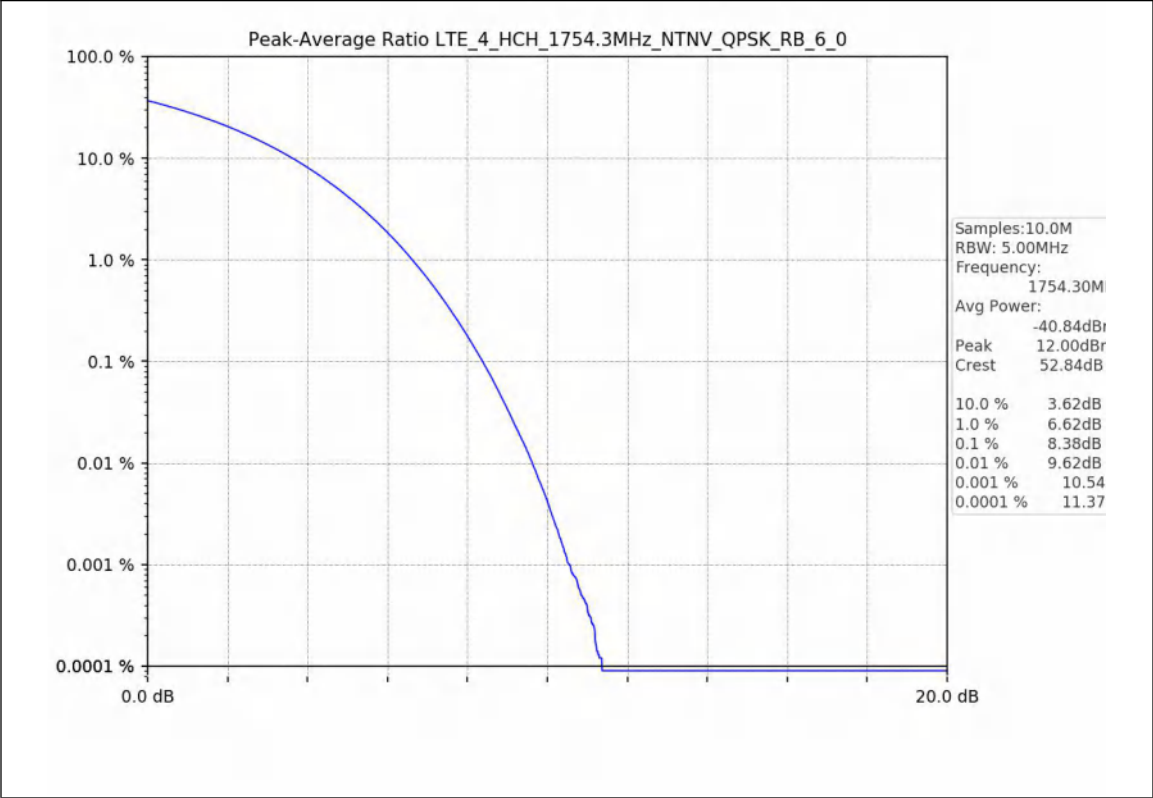
Test Band: 4 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	4.26	4.01	8.38	13	PASS
16QAM	6	0	5.13	4.99	5.90	13	PASS

5.2 Test Graph



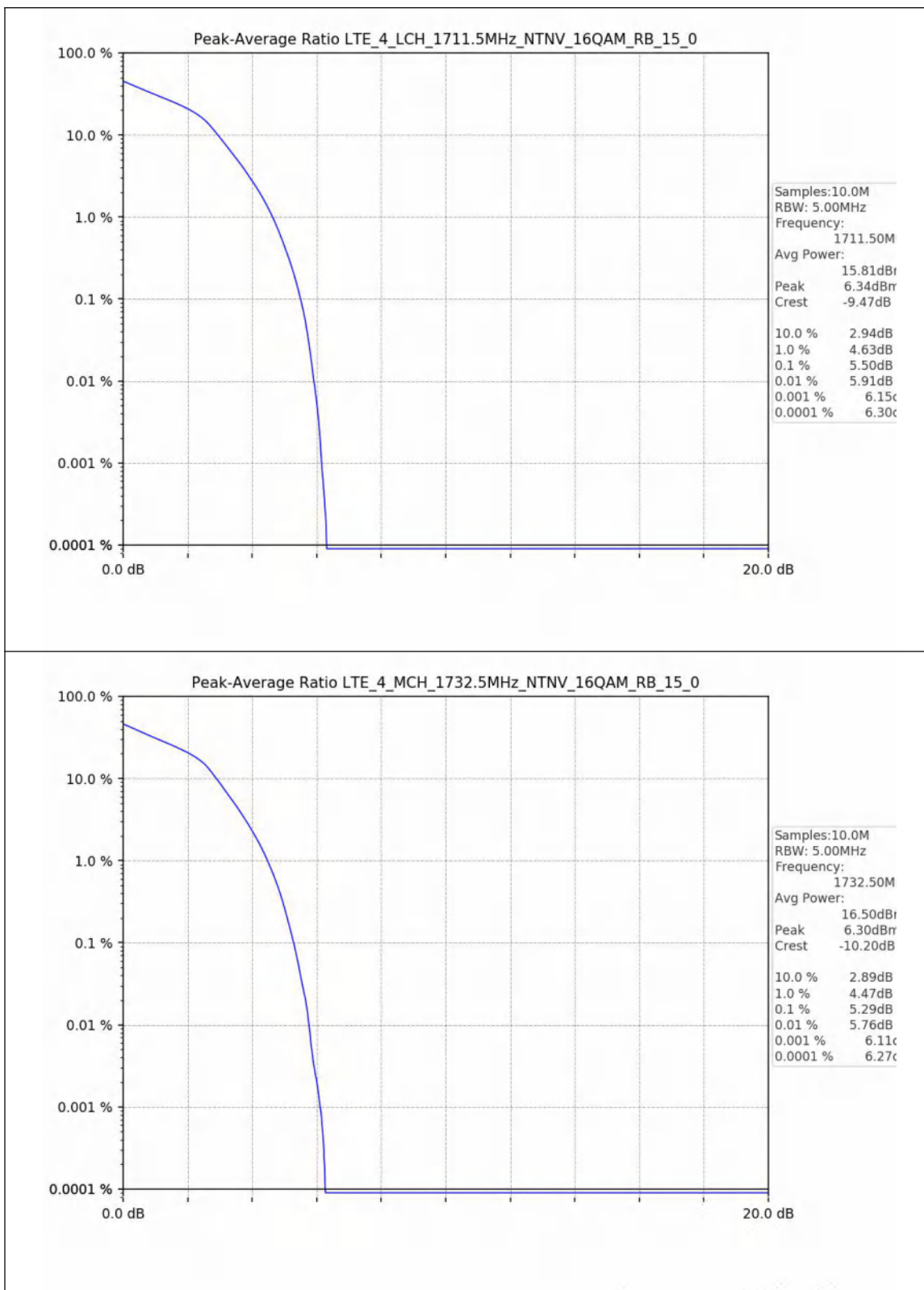


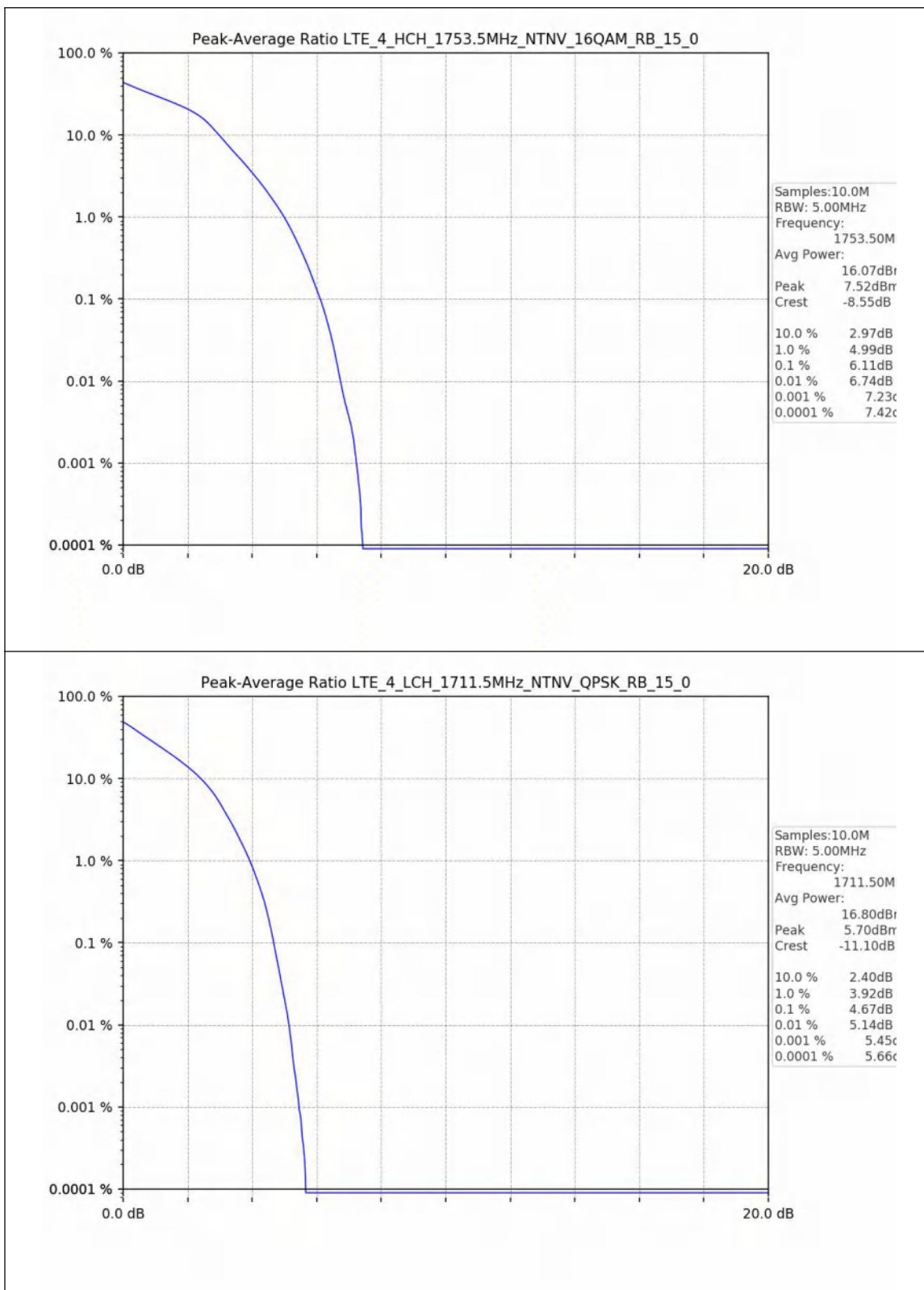


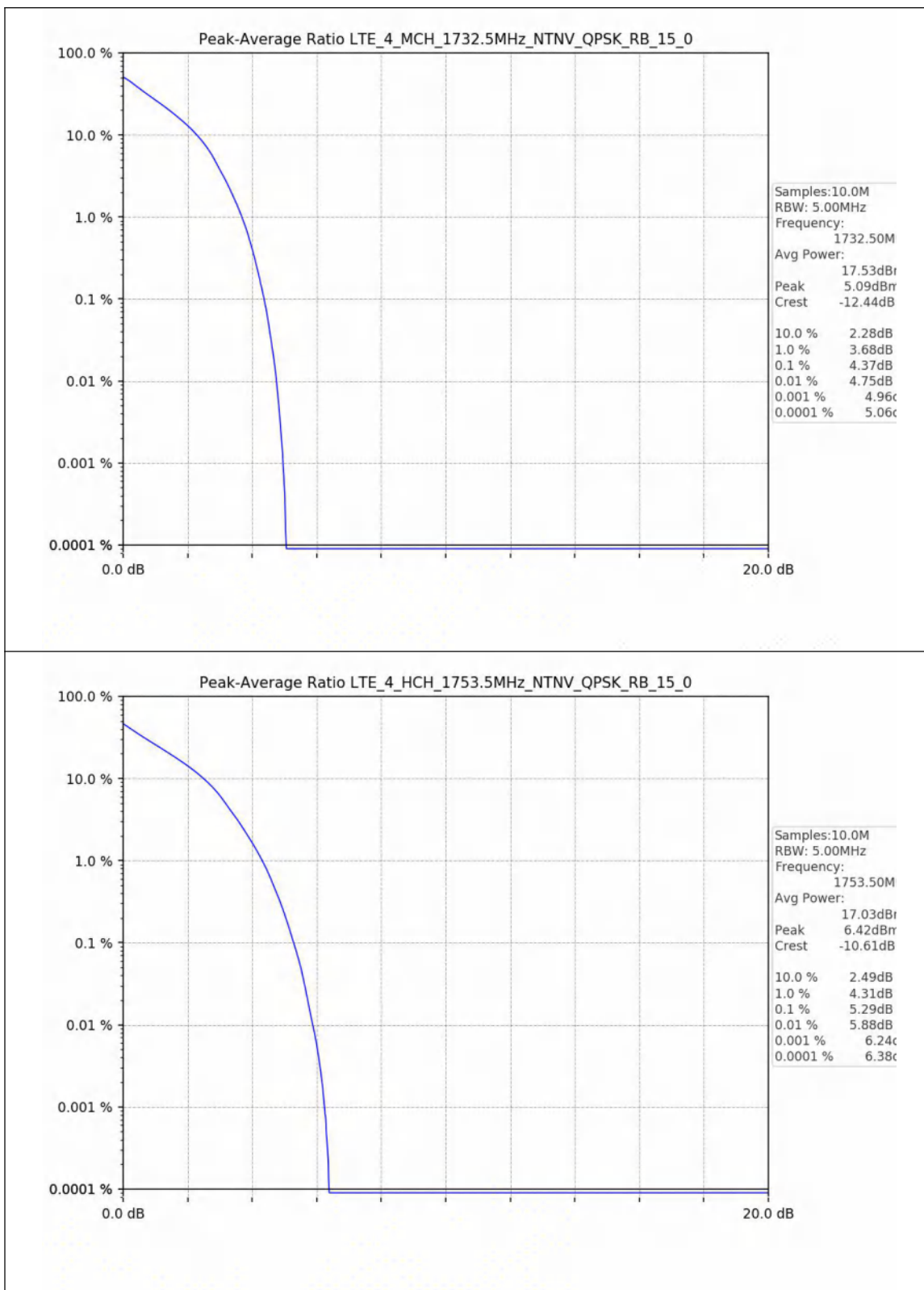


Test Band: 4_3MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	4.67	4.37	5.29	13	PASS
16QAM	15	0	5.50	5.29	6.11	13	PASS

5.2 Test Graph



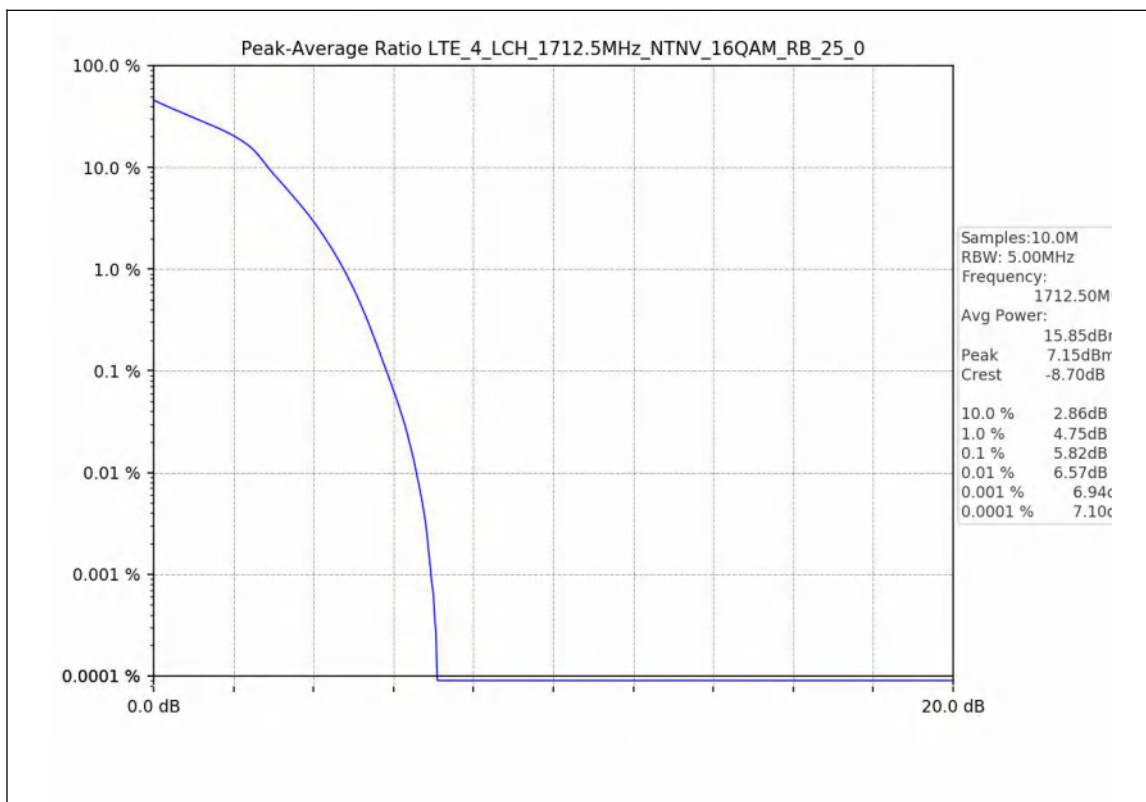


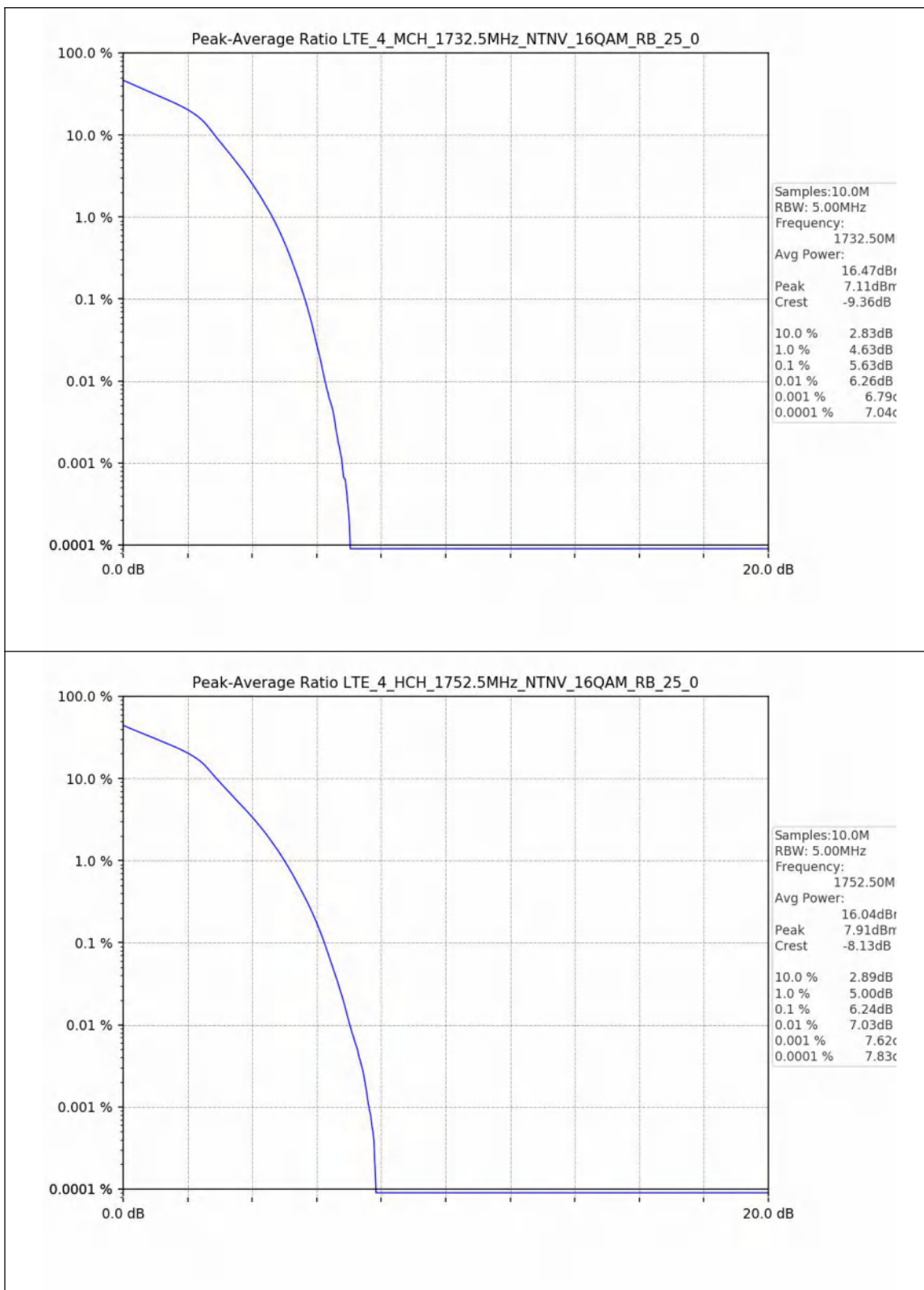


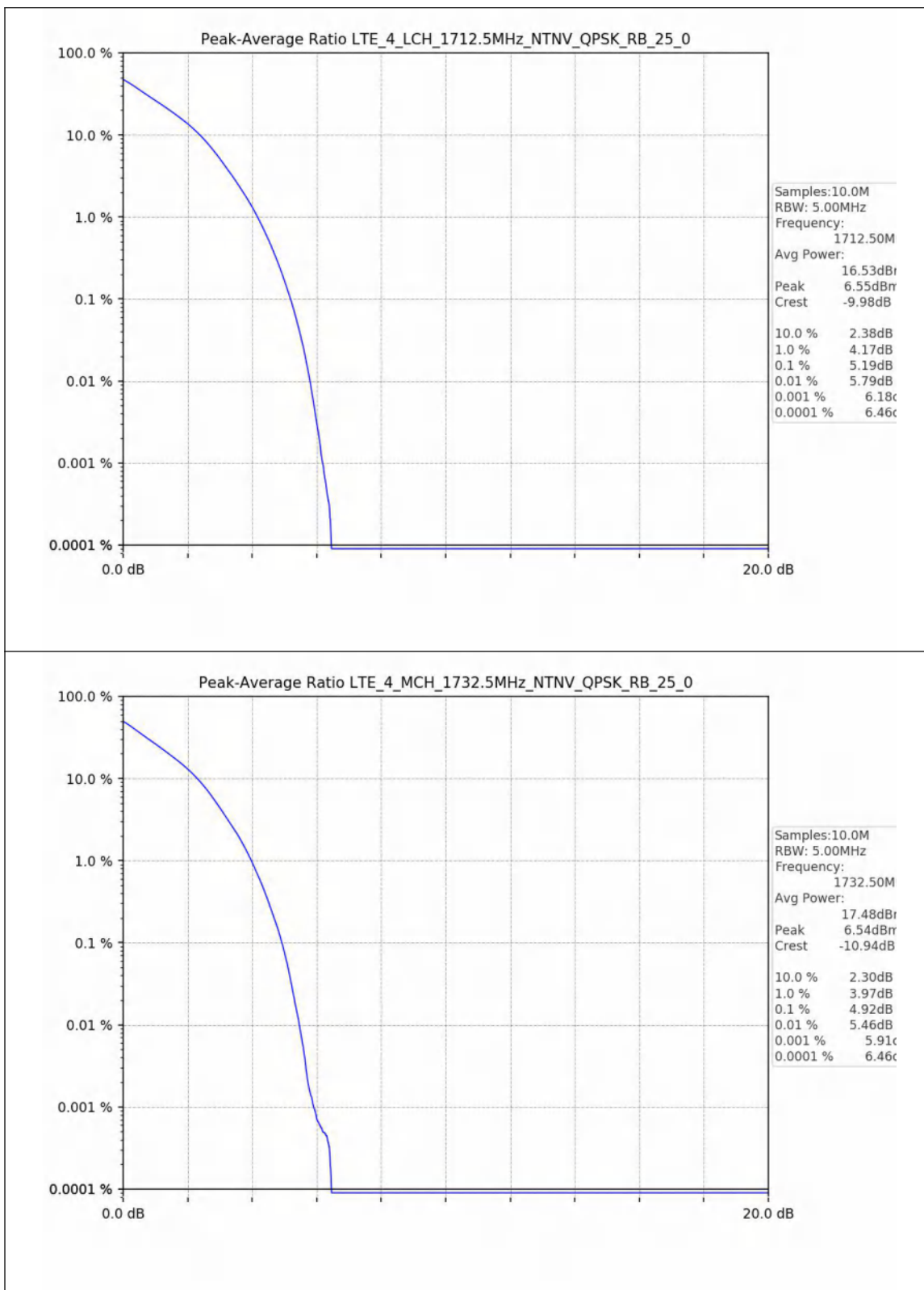
Test Band: 4 _ 5MHz Bandwidth				
Test Mode	RB Allocation	Test result (dB)	Limit (dB)	Verdict

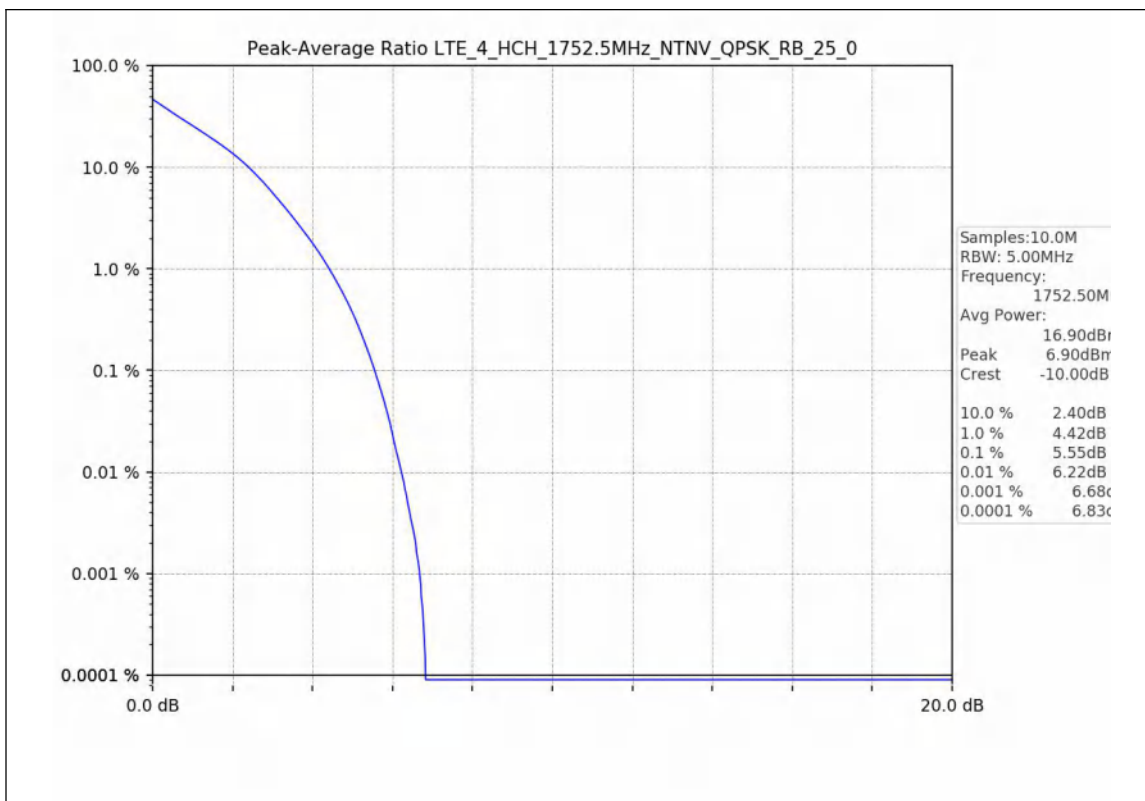
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.19	4.92	5.55	13	PASS
16QAM	25	0	5.82	5.63	6.24	13	PASS

5.2 Test Graph









Test Band: 4 _ 10MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	6.20	6.13	6.04	13	PASS
16QAM	50	0	6.79	6.67	6.86	13	PASS

5.2 Test Graph

