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Appendix P

Product Name: Siyata SD7

Model: SD7



1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: 66 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	23.14	24.10	23.67	/	-0.37	22.77	23.73	23.30	30.00	PASS	
		2	23.23	24.19	23.74	/	-0.37	22.86	23.82	23.37	30.00	PASS	
		5	23.26	24.12	23.73	/	-0.37	22.89	23.75	23.36	30.00	PASS	
	3	0	23.07	24.10	23.70	/	-0.37	22.70	23.73	23.33	30.00	PASS	
		2	23.17	24.29	23.76	/	-0.37	22.80	23.92	23.39	30.00	PASS	
		3	23.16	24.23	23.72	/	-0.37	22.79	23.86	23.35	30.00	PASS	
16QAM	6	0	22.28	23.27	23.69	/	-0.37	21.91	22.90	23.32	30.00	PASS	
		1	0	22.18	23.31	22.91	/	-0.37	21.81	22.94	22.54	30.00	PASS
			2	22.31	23.44	22.97	/	-0.37	21.94	23.07	22.60	30.00	PASS
	5		22.35	23.31	22.99	/	-0.37	21.98	22.94	22.62	30.00	PASS	
	3	0	22.24	23.16	23.08	/	-0.37	21.87	22.79	22.71	30.00	PASS	
		2	22.40	23.24	23.18	/	-0.37	22.03	22.87	22.81	30.00	PASS	
		3	22.31	23.16	23.16	/	-0.37	21.94	22.79	22.79	30.00	PASS	
	6	0	21.20	22.27	22.84	/	-0.37	20.83	21.90	22.47	30.00	PASS	
	Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)												

Test Band: 66 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	23.17	24.16	23.50	/	-0.37	22.80	23.79	23.13	30.00	PASS	
		7	23.37	24.33	23.59	/	-0.37	23.00	23.96	23.22	30.00	PASS	
		14	23.52	24.18	23.71	/	-0.37	23.15	23.81	23.34	30.00	PASS	
	8	0	22.34	23.27	23.48	/	-0.37	21.97	22.90	23.11	30.00	PASS	
		4	22.51	23.36	23.55	/	-0.37	22.14	22.99	23.18	30.00	PASS	
		7	22.51	23.25	23.61	/	-0.37	22.14	22.88	23.24	30.00	PASS	
	15	0	22.43	23.29	23.54	/	-0.37	22.06	22.92	23.17	30.00	PASS	
			22.26	23.39	23.23	/	-0.37	21.89	23.02	22.86	30.00	PASS	
16QAM	1	7	22.57	23.58	23.33	/	-0.37	22.20	23.21	22.96	30.00	PASS	
		14	22.62	23.40	23.46	/	-0.37	22.25	23.03	23.09	30.00	PASS	
		0	21.43	22.32	22.72	/	-0.37	21.06	21.95	22.35	30.00	PASS	
	8	4	21.63	22.40	22.91	/	-0.37	21.26	22.03	22.54	30.00	PASS	
		7	21.65	22.30	22.93	/	-0.37	21.28	21.93	22.56	30.00	PASS	
		15	0	21.53	22.30	22.74	/	-0.37	21.16	21.93	22.37	30.00	PASS
	Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)												

Test Band: 66 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	23.11	24.10	23.28	/	-0.37	22.74	23.73	22.91	30.00	PASS
		13	23.49	24.35	23.39	/	-0.37	23.12	23.98	23.02	30.00	PASS
		24	23.81	24.13	23.77	/	-0.37	23.44	23.76	23.40	30.00	PASS
	12	0	22.40	23.21	23.15	/	-0.37	22.03	22.84	22.78	30.00	PASS
		6	22.62	23.32	23.35	/	-0.37	22.25	22.95	22.98	30.00	PASS



		13	22.75	23.23	23.54	/	-0.37	22.38	22.86	23.17	30.00	PASS
	25	0	22.61	23.25	23.40	/	-0.37	22.24	22.88	23.03	30.00	PASS
16QAM	1		22.28	23.41	22.44	/	-0.37	21.91	23.04	22.07	30.00	PASS
		13	22.75	23.72	22.54	/	-0.37	22.38	23.35	22.17	30.00	PASS
		24	23.01	23.48	22.91	/	-0.37	22.64	23.11	22.54	30.00	PASS
	12	0	21.46	22.34	22.18	/	-0.37	21.09	21.97	21.81	30.00	PASS
		6	21.71	22.43	22.52	/	-0.37	21.34	22.06	22.15	30.00	PASS
		13	21.82	22.35	22.68	/	-0.37	21.45	21.98	22.31	30.00	PASS
		25	0	21.65	22.26	22.49	/	-0.37	21.28	21.89	22.12	30.00
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)												

Test Band: 66 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	22.98	24.15	22.58	/	-0.37	22.61	23.78	22.21	30.00	PASS
		25	23.88	24.31	22.89	/	-0.37	23.51	23.94	22.52	30.00	PASS
		49	24.64	24.19	23.33	/	-0.37	24.27	23.82	22.96	30.00	PASS
	25	0	22.62	23.24	22.42	/	-0.37	22.25	22.87	22.05	30.00	PASS
		13	23.01	23.29	22.96	/	-0.37	22.64	22.92	22.59	30.00	PASS
		25	23.33	23.28	23.16	/	-0.37	22.96	22.91	22.79	30.00	PASS
	50	0	22.99	23.26	22.87	/	-0.37	22.62	22.89	22.50	30.00	PASS
16QAM	1		22.16	23.42	22.29	/	-0.37	21.79	23.05	21.92	30.00	PASS
		25	23.03	23.52	22.61	/	-0.37	22.66	23.15	22.24	30.00	PASS
		49	23.70	23.46	23.03	/	-0.37	23.33	23.09	22.66	30.00	PASS
	25	0	21.77	22.32	21.43	/	-0.37	21.40	21.95	21.06	30.00	PASS
		13	22.17	22.31	21.98	/	-0.37	21.80	21.94	21.61	30.00	PASS
		25	22.49	22.30	22.45	/	-0.37	22.12	21.93	22.08	30.00	PASS
	50	0	22.09	22.27	21.88	/	-0.37	21.72	21.90	21.51	30.00	PASS

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

Test Band: 66 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	22.67	24.21	22.64	/	-0.37	22.30	23.84	22.27	30.00	PASS
		38	24.36	24.38	22.57	/	-0.37	23.99	24.01	22.20	30.00	PASS
		74	24.81	24.08	22.94	/	-0.37	24.44	23.71	22.57	30.00	PASS
	36	0	22.73	23.13	21.86	/	-0.37	22.36	22.76	21.49	30.00	PASS
		18	23.34	23.24	22.37	/	-0.37	22.97	22.87	22.00	30.00	PASS
		39	23.59	23.19	22.78	/	-0.37	23.22	22.82	22.41	30.00	PASS
	75	0	23.24	23.11	22.40	/	-0.37	22.87	22.74	22.03	30.00	PASS
16QAM	1		22.22	23.41	22.17	/	-0.37	21.85	23.04	21.80	30.00	PASS
		38	23.90	23.59	22.27	/	-0.37	23.53	23.22	21.90	30.00	PASS
		74	24.24	23.36	22.66	/	-0.37	23.87	22.99	22.29	30.00	PASS
	36	0	21.80	22.25	20.86	/	-0.37	21.43	21.88	20.49	30.00	PASS
		18	22.40	22.38	21.43	/	-0.37	22.03	22.01	21.06	30.00	PASS
		39	22.68	22.24	22.08	/	-0.37	22.31	21.87	21.71	30.00	PASS
	75	0	22.34	22.26	21.40	/	-0.37	21.97	21.89	21.03	30.00	PASS

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



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Test Band: 66 20MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	22.53	24.28	23.15	/	-0.37	22.16	23.91	22.78	30.00	PASS
		50	24.71	24.36	22.37	/	-0.37	24.34	23.99	22.00	30.00	PASS
		99	24.71	24.02	22.73	/	-0.37	24.34	23.65	22.36	30.00	PASS
	50	0	23.12	23.18	21.77	/	-0.37	22.75	22.81	21.40	30.00	PASS
		25	23.63	23.18	21.95	/	-0.37	23.26	22.81	21.58	30.00	PASS
		50	23.76	23.18	22.57	/	-0.37	23.39	22.81	22.20	30.00	PASS
	100	0	23.47	23.17	22.16	/	-0.37	23.10	22.80	21.79	30.00	PASS
			22.24	23.52	22.34	/	-0.37	21.87	23.15	21.97	30.00	PASS
			24.39	23.66	21.88	/	-0.37	24.02	23.29	21.51	30.00	PASS
16QAM	1	50	24.25	23.20	22.19	/	-0.37	23.88	22.83	21.82	30.00	PASS
	50	0	22.10	22.19	20.68	/	-0.37	21.73	21.82	20.31	30.00	PASS
		25	22.67	22.28	20.89	/	-0.37	22.30	21.91	20.52	30.00	PASS
	50	50	22.81	22.19	21.71	/	-0.37	22.44	21.82	21.34	30.00	PASS
	100	0	22.57	22.24	21.18	/	-0.37	22.20	21.87	20.81	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: 66 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	- 8.125 3	7.767 7	- 12.80 31	-0.0047	0.0045	-0.0072	2.50	PASS
				NV	- 7.710 5	2.932 5	- 6.051 1	-0.0045	0.0017	-0.0034	2.50	PASS
				HV	- 8.826 3	7.052 4	- 15.07 76	-0.0052	0.0040	-0.0085	2.50	PASS
16QAM	6	0	NT	LV	- 11.37 26	16.17 91	0.286 1	-0.0066	0.0093	0.0002	2.50	PASS
				NV	- 12.24 52	13.31 81	7.352 8	-0.0072	0.0076	0.0041	2.50	PASS
				HV	- 8.826 3	8.111 0	- 1.988 4	-0.0052	0.0046	-0.0011	2.50	PASS

Test Band: 66 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	- 9.698 9	4.763 6	- 13.11 78	-0.0057	0.0027	-0.0074	2.50	PASS
				-20.00	- 12.47 41	3.075 6	- 14.30 51	-0.0073	0.0018	-0.0080	2.50	PASS
				-10.00	- 15.60 69	1.945 5	- 11.58 71	-0.0091	0.0011	-0.0065	2.50	PASS
				0.00	- 13.99 04	- 3.790 9	- 10.02 79	-0.0082	-0.0022	-0.0056	2.50	PASS
				10.00	- 12.05 92	- 0.772 5	- 8.497 2	-0.0070	-0.0004	-0.0048	2.50	PASS
				20.00	- 9.284 0	5.221 4	- 6.265 6	-0.0054	0.0030	-0.0035	2.50	PASS
				30.00	- 12.33 10	0.572 2	- 13.94 75	-0.0072	0.0003	-0.0078	2.50	PASS
				40.00	- 17.02 31	- 2.603 5	- 2.803 8	-0.0100	-0.0015	-0.0016	2.50	PASS
				50.00	- 18.42 50	2.775 2	- 12.27 38	-0.0108	0.0016	-0.0069	2.50	PASS



16QAM	6	0	NV	-30.00	- 3.404 6	11.22 95	4.921 0	-0.0020	0.0064	0.0028	2.50	PASS
				-20.00	0.214 6	11.65 87	- 0.658 0	0.0001	0.0067	-0.0004	2.50	PASS
				-10.00	- 8.411 4	8.397 1	5.106 9	-0.0049	0.0048	0.0029	2.50	PASS
				0.00	- 3.275 9	10.07 08	- 2.746 6	-0.0019	0.0058	-0.0015	2.50	PASS
				10.00	- 10.95 77	9.326 9	- 4.806 5	-0.0064	0.0053	-0.0027	2.50	PASS
				20.00	- 10.68 59	5.679 1	0.085 8	-0.0062	0.0033	0.0000	2.50	PASS
				30.00	- 13.87 60	5.679 1	- 5.850 8	-0.0081	0.0033	-0.0033	2.50	PASS
				40.00	- 12.51 70	7.453 0	1.831 1	-0.0073	0.0043	0.0010	2.50	PASS
				50.00	- 10.02 79	6.537 4	- 3.690 7	-0.0059	0.0037	-0.0021	2.50	PASS

Test Band: 66_ 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	4.105 6	4.363 1	- 8.897 8	0.0024	0.0025	-0.0050	2.50	PASS
				NV	12.10 21	- 3.819 5	- 8.740 4	0.0071	-0.0022	-0.0049	2.50	PASS
				HV	5.435 9	3.690 7	- 5.736 4	0.0032	0.0021	-0.0032	2.50	PASS
16QAM	15	0	NT	LV	6.909 4	- 1.888 3	2.660 8	0.0040	-0.0011	0.0015	2.50	PASS
				NV	0.786 8	1.988 4	0.085 8	0.0005	0.0011	0.0000	2.50	PASS
				HV	6.923 7	3.848 1	0.829 7	0.0040	0.0022	0.0005	2.50	PASS

Test Band: 66_ 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	- 0.357 6	- 5.950 9	- 2.961 2	-0.0002	-0.0034	-0.0017	2.50	PASS
				-20.00	1.502 0	4.262 9	3.962 5	0.0009	0.0024	0.0022	2.50	PASS



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				-10.00	2.989 8	- 2.832 4	- 8.311 3	0.0017	-0.0016	-0.0047	2.50	PASS
				0.00	3.676 4	4.305 8	- 8.912 1	0.0021	0.0025	-0.0050	2.50	PASS
				10.00	7.882 1	1.316 1	- 5.135 5	0.0046	0.0008	-0.0029	2.50	PASS
				20.00	10.72 88	- 5.121 2	- 2.675 1	0.0063	-0.0029	-0.0015	2.50	PASS
				30.00	10.70 02	7.495 9	- 4.820 8	0.0063	0.0043	-0.0027	2.50	PASS
				40.00	0.414 8	- 0.715 3	- 0.643 7	0.0002	-0.0004	0.0004	2.50	PASS
				50.00	0.572 2	- 0.886 9	- 8.626 0	0.0003	-0.0005	-0.0049	2.50	PASS
16QAM	15	0	NV	-30.00	4.677 8	- 0.815 4	- 0.257 5	0.0027	-0.0005	0.0001	2.50	PASS
				-20.00	2.417 6	1.173 0	0.357 6	0.0014	0.0007	0.0002	2.50	PASS
				-10.00	10.48 56	4.863 7	0.071 5	0.0061	0.0028	0.0000	2.50	PASS
				0.00	5.664 8	5.993 8	1.030 0	0.0033	0.0034	0.0006	2.50	PASS
				10.00	3.118 5	- 0.271 8	- 2.346 0	0.0018	-0.0002	-0.0013	2.50	PASS
				20.00	11.35 83	- 6.136 9	- 2.002 7	0.0066	-0.0035	-0.0011	2.50	PASS
				30.00	3.075 6	- 2.818 1	- 2.875 3	0.0018	-0.0016	-0.0016	2.50	PASS
				40.00	9.741 8	- 1.602 2	- 0.658 0	0.0057	-0.0009	-0.0004	2.50	PASS
				50.00	2.317 4	3.590 6	0.529 3	0.0014	0.0021	0.0003	2.50	PASS

Test Band: 66 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	- 7.667 5	- 4.720 7	1.716 6	-0.0045	-0.0027	0.0010	2.50	PASS
				NV	- 0.200 3	7.166 9	5.536 1	-0.0001	0.0041	0.0031	2.50	PASS
				HV	1.645 1	2.503 4	10.51 43	0.0010	0.0014	0.0059	2.50	PASS
16OAM	25	0	NT	LV	-	1.273	3.061	-0.0035	0.0007	0.0017	2.50	PASS



				6.065 4	2	3					
			NV	1.473 4	0.743 9	4.520 4	-0.0009	0.0004	0.0025	2.50	PASS
			HV	2.818 1	4.849 4	6.036 8	-0.0016	-0.0028	0.0034	2.50	PASS

Test Band: 66 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	2.875 3	- 3.476 1	4.749 3	0.0017	-0.0020	0.0027	2.50	PASS
				-20.00	- 3.418 9	7.467 3	- 1.773 8	-0.0020	0.0043	-0.0010	2.50	PASS
				-10.00	- 5.636 2	0.014 3	1.974 1	-0.0033	0.0000	0.0011	2.50	PASS
				0.00	- 8.826 3	- 0.014 3	6.179 8	-0.0052	0.0000	0.0035	2.50	PASS
				10.00	- 7.081 0	- 8.411 4	8.812 0	-0.0041	-0.0048	0.0050	2.50	PASS
				20.00	- 6.151 2	4.334 4	8.397 1	-0.0036	0.0025	0.0047	2.50	PASS
				30.00	- 4.363 1	- 3.161 4	1.173 0	-0.0025	-0.0018	0.0007	2.50	PASS
				40.00	0.100 1	- 1.673 7	7.510 2	0.0001	-0.0010	0.0042	2.50	PASS
				50.00	- 8.540 2	3.190 0	1.859 7	-0.0050	0.0018	0.0010	2.50	PASS
16QAM	25	0	NV	-30.00	- 1.373 3	- 1.831 1	10.68 59	-0.0008	-0.0010	0.0060	2.50	PASS
				-20.00	- 9.369 8	7.681 8	- 0.929 8	-0.0055	0.0044	-0.0005	2.50	PASS
				-10.00	- 5.464 6	- 0.958 4	4.262 9	-0.0032	-0.0005	0.0024	2.50	PASS
				0.00	- 1.559 3	6.036 8	8.511 5	-0.0009	0.0035	0.0048	2.50	PASS
				10.00	- 6.980 9	- 3.075 6	10.82 90	-0.0041	-0.0018	0.0061	2.50	PASS
				20.00	- 4.363 1	5.149 8	11.41 55	-0.0025	0.0030	0.0064	2.50	PASS



				30.00	- 1.201 6	- 3.719 3	4.119 9	-0.0007	-0.0021	0.0023	2.50	PASS
				40.00	- 6.580 4	4.649 2	5.879 4	-0.0038	0.0027	0.0033	2.50	PASS
				50.00	- 8.912 1	- 4.434 6	7.882 1	-0.0052	-0.0025	0.0044	2.50	PASS

Test Band: 66 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	- 0.929 8	2.160 1	3.447 5	-0.0005	0.0012	0.0019	2.50	PASS
				NV	- 0.314 7	- 3.247 3	0.085 8	-0.0002	-0.0019	0.0000	2.50	PASS
				HV	- 2.603 5	- 2.646 4	- 2.632 1	-0.0015	-0.0015	-0.0015	2.50	PASS
16QAM	50	0	NT	LV	2.031 3	2.260 2	1.001 4	0.0012	-0.0013	-0.0006	2.50	PASS
				NV	0.300 4	6.251 3	- 4.892 3	0.0002	0.0036	-0.0028	2.50	PASS
				HV	- 0.529 3	- 4.234 3	0.557 9	-0.0003	-0.0024	0.0003	2.50	PASS

Test Band: 66 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	- 1.373 3	- 2.818 1	1.974 1	-0.0008	-0.0016	0.0011	2.50	PASS
				-20.00	- 4.735 0	4.406 0	2.746 6	-0.0028	0.0025	0.0015	2.50	PASS
				-10.00	- 6.179 8	- 7.410 0	- 2.088 5	-0.0036	-0.0042	-0.0012	2.50	PASS
				0.00	- 3.161 4	5.822 2	3.461 8	-0.0018	0.0033	0.0020	2.50	PASS
				10.00	- 0.858 3	3.604 9	- 5.893 7	-0.0005	0.0021	-0.0033	2.50	PASS
				20.00	1.101 5	- 1.816 8	- 3.848 1	0.0006	-0.0010	-0.0022	2.50	PASS
				30.00	2.031 3	- 5.521 8	3.862 4	0.0012	-0.0032	0.0022	2.50	PASS



				40.00	- 2.689 4	6.523 1	- 2.660 8	-0.0016	0.0037	-0.0015	2.50	PASS
				50.00	- 4.849 4	2.131 5	5.006 8	-0.0028	0.0012	0.0028	2.50	PASS
16QAM	50	0	NV	-30.00	- 1.144 4	3.662 1	0.743 9	-0.0007	0.0021	0.0004	2.50	PASS
				-20.00	- 0.658 0	- 5.178 5	- 2.775 2	-0.0004	-0.0030	-0.0016	2.50	PASS
				-10.00	- 1.173 0	1.745 2	2.503 4	-0.0007	0.0010	0.0014	2.50	PASS
				0.00	- 2.160 1	- 0.844 0	1.459 1	-0.0013	-0.0005	0.0008	2.50	PASS
				10.00	- 2.160 1	- 0.600 8	- 4.978 2	-0.0013	-0.0003	-0.0028	2.50	PASS
				20.00	- 4.005 4	4.534 7	0.715 3	-0.0023	0.0026	0.0004	2.50	PASS
				30.00	- 2.446 2	0.343 3	0.929 8	-0.0014	0.0002	0.0005	2.50	PASS
				40.00	0.357 6	- 4.191 4	- 3.776 6	0.0002	-0.0024	-0.0021	2.50	PASS
				50.00	2.789 5	- 0.214 6	- 0.171 7	0.0016	-0.0001	-0.0001	2.50	PASS

Test Band: 66 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	3.819 5	- 2.989 8	- 6.480 2	0.0022	-0.0017	-0.0037	2.50	PASS
				NV	3.118 5	- 6.809 2	- 2.689 4	0.0018	-0.0039	-0.0015	2.50	PASS
				HV	1.802 4	2.532 0	- 6.094 0	0.0010	0.0015	-0.0034	2.50	PASS
16QAM	75	0	NT	LV	5.435 9	0.314 7	- 1.173 0	0.0032	0.0002	-0.0007	2.50	PASS
				NV	6.194 1	- 0.071 5	- 5.564 7	0.0036	0.0000	-0.0031	2.50	PASS
				HV	3.719 3	- 1.530 6	1.559 3	0.0022	-0.0009	0.0009	2.50	PASS



Test Band: 66 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	3.805 2	- 1.459 1	- 5.865 1	0.0022	-0.0008	-0.0033	2.50	PASS
				-20.00	7.109 6	- 7.381 4	- 4.448 9	0.0041	-0.0042	-0.0025	2.50	PASS
				-10.00	7.252 7	5.278 6	- 9.241 1	0.0042	0.0030	-0.0052	2.50	PASS
				0.00	4.906 7	- 1.201 6	- 4.062 7	0.0029	-0.0007	-0.0023	2.50	PASS
				10.00	- 0.429 2	- 6.594 7	- 0.958 4	-0.0002	-0.0038	-0.0005	2.50	PASS
				20.00	4.963 9	- 0.386 2	- 4.162 8	0.0029	-0.0002	-0.0023	2.50	PASS
				30.00	8.096 7	2.131 5	- 6.151 2	0.0047	0.0012	-0.0035	2.50	PASS
				40.00	3.604 9	- 4.577 6	1.602 2	0.0021	-0.0026	0.0009	2.50	PASS
				50.00	3.590 6	- 0.557 9	- 1.859 7	0.0021	-0.0003	-0.0010	2.50	PASS
16QAM	75	0	NV	-30.00	4.162 8	2.431 9	- 8.454 3	0.0024	0.0014	-0.0048	2.50	PASS
				-20.00	4.448 9	- 2.403 3	- 5.965 2	0.0026	-0.0014	-0.0034	2.50	PASS
				-10.00	4.234 3	- 6.494 5	- 8.511 5	0.0025	-0.0037	-0.0048	2.50	PASS
				0.00	3.376 0	5.793 6	- 1.101 5	0.0020	0.0033	-0.0006	2.50	PASS
				10.00	4.434 6	- 2.145 8	- 3.933 9	0.0026	-0.0012	-0.0022	2.50	PASS
				20.00	4.534 7	7.638 9	- 5.278 6	0.0026	0.0044	-0.0030	2.50	PASS
				30.00	3.504 8	- 0.271 8	- 8.826 3	0.0020	-0.0002	-0.0050	2.50	PASS
				40.00	3.018 4	- 5.521 8	- 8.554 5	0.0018	-0.0032	-0.0048	2.50	PASS
				50.00	3.318 8	3.333 1	- 12.86 03	0.0019	0.0019	-0.0073	2.50	PASS



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Test Band: 66 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	- 2.946 9	- 5.807 9	11.55 85	-0.0017	-0.0033	0.0065	2.50	PASS
				NV	- 9.856 2	- 5.135 5	4.391 7	-0.0057	-0.0029	0.0025	2.50	PASS
				HV	- 3.719 3	- 5.393 0	- 0.901 2	-0.0022	-0.0031	-0.0005	2.50	PASS
16QAM	100	0	NT	LV	- 2.918 2	- 2.217 3	2.675 1	-0.0017	-0.0013	0.0015	2.50	PASS
				NV	- 6.079 7	- 3.404 6	5.078 3	-0.0035	0.0020	0.0029	2.50	PASS
				HV	- 5.693 4	- 5.021 1	8.711 8	-0.0033	-0.0029	0.0049	2.50	PASS

Test Band: 66 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	- 4.949 6	- 5.564 7	- 2.160 1	-0.0029	-0.0032	-0.0012	2.50	PASS
				-20.00	- 7.953 6	- 4.363 1	- 0.801 1	-0.0046	-0.0025	-0.0005	2.50	PASS
				-10.00	- 1.287 5	- 3.032 7	- 0.100 1	-0.0007	-0.0017	-0.0001	2.50	PASS
				0.00	- 10.21 39	- 4.162 8	1.115 8	-0.0059	-0.0024	0.0006	2.50	PASS
				10.00	- 0.500 7	- 4.162 8	4.434 6	-0.0003	-0.0024	0.0025	2.50	PASS
				20.00	- 7.481 6	- 2.646 4	6.852 2	-0.0043	-0.0015	0.0039	2.50	PASS
				30.00	- 11.74 45	- 2.317 4	1.173 0	-0.0068	-0.0013	0.0007	2.50	PASS
				40.00	- 3.504 8	- 0.715 3	3.147 1	-0.0020	-0.0004	0.0018	2.50	PASS
				50.00	- 0.257 5	- 1.788 1	4.849 4	-0.0001	0.0010	0.0027	2.50	PASS
16QAM	100	0	NV	-30.00	- 5.464 6	- 3.733 6	- 1.101 5	-0.0032	0.0021	-0.0006	2.50	PASS
				-20.00	- 5.021	- 3.948	11.87 32	-0.0029	-0.0023	0.0067	2.50	PASS



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					1	2						
				-10.00	6.051 1	5.178 5	6.194 1	-0.0035	0.0030	0.0035	2.50	PASS
				0.00	2.746 6	4.019 7	1.115 8	-0.0016	-0.0023	0.0006	2.50	PASS
				10.00	4.634 9	3.633 5	4.677 8	-0.0027	0.0021	-0.0026	2.50	PASS
				20.00	3.261 6	0.987 1	8.382 8	-0.0019	-0.0006	0.0047	2.50	PASS
				30.00	3.404 6	3.948 2	4.077 0	-0.0020	-0.0023	0.0023	2.50	PASS
				40.00	1.902 6	2.903 9	0.014 3	-0.0011	0.0017	0.0000	2.50	PASS
				50.00	6.351 5	3.161 4	0.171 7	-0.0037	-0.0018	-0.0001	2.50	PASS

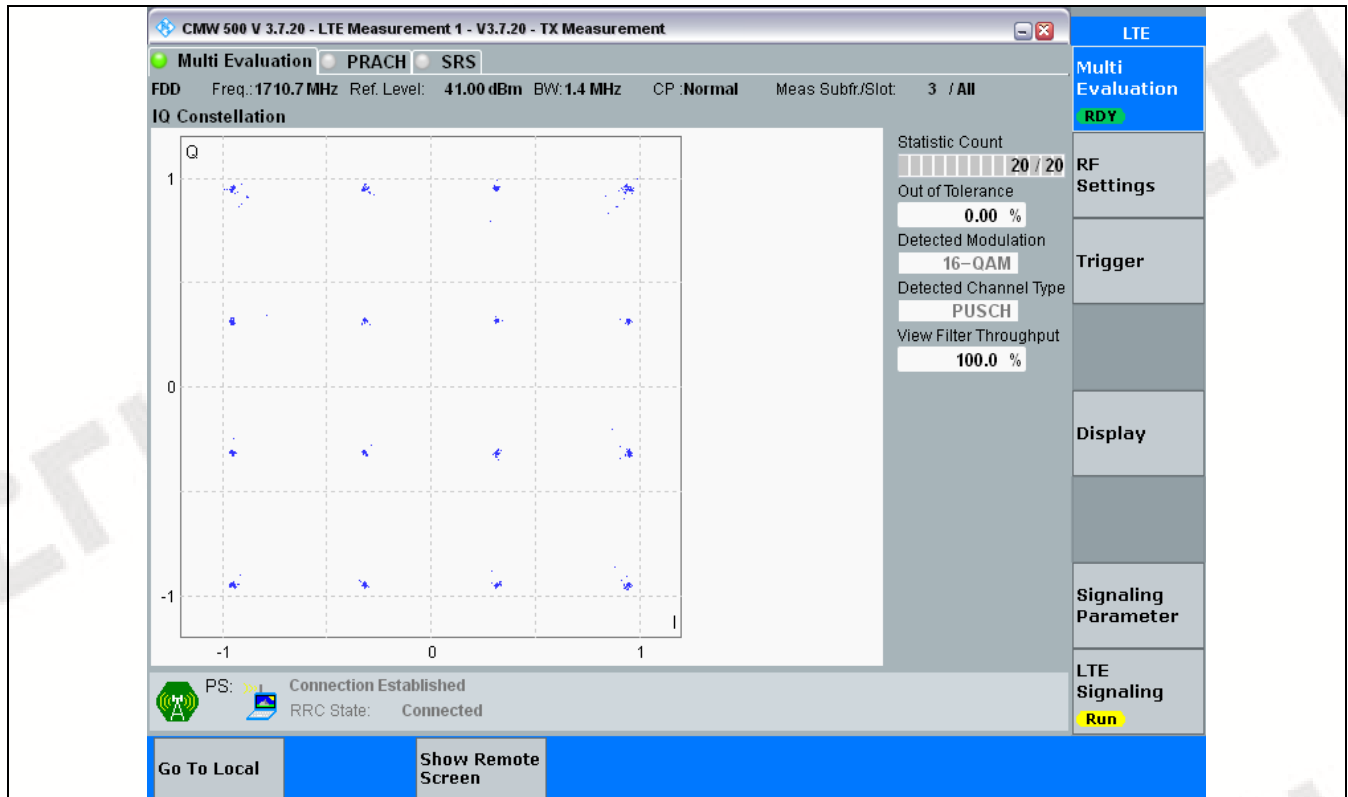


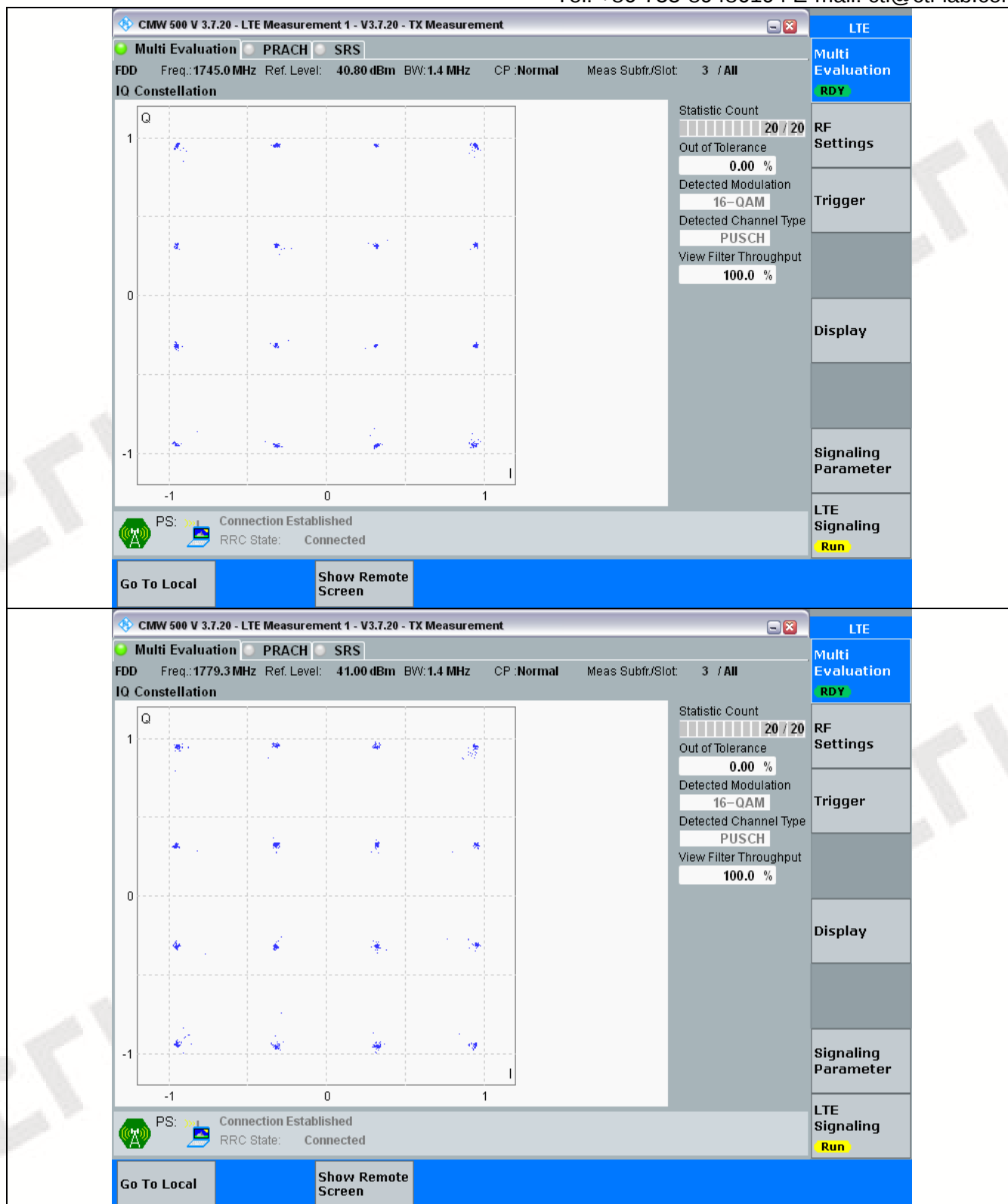
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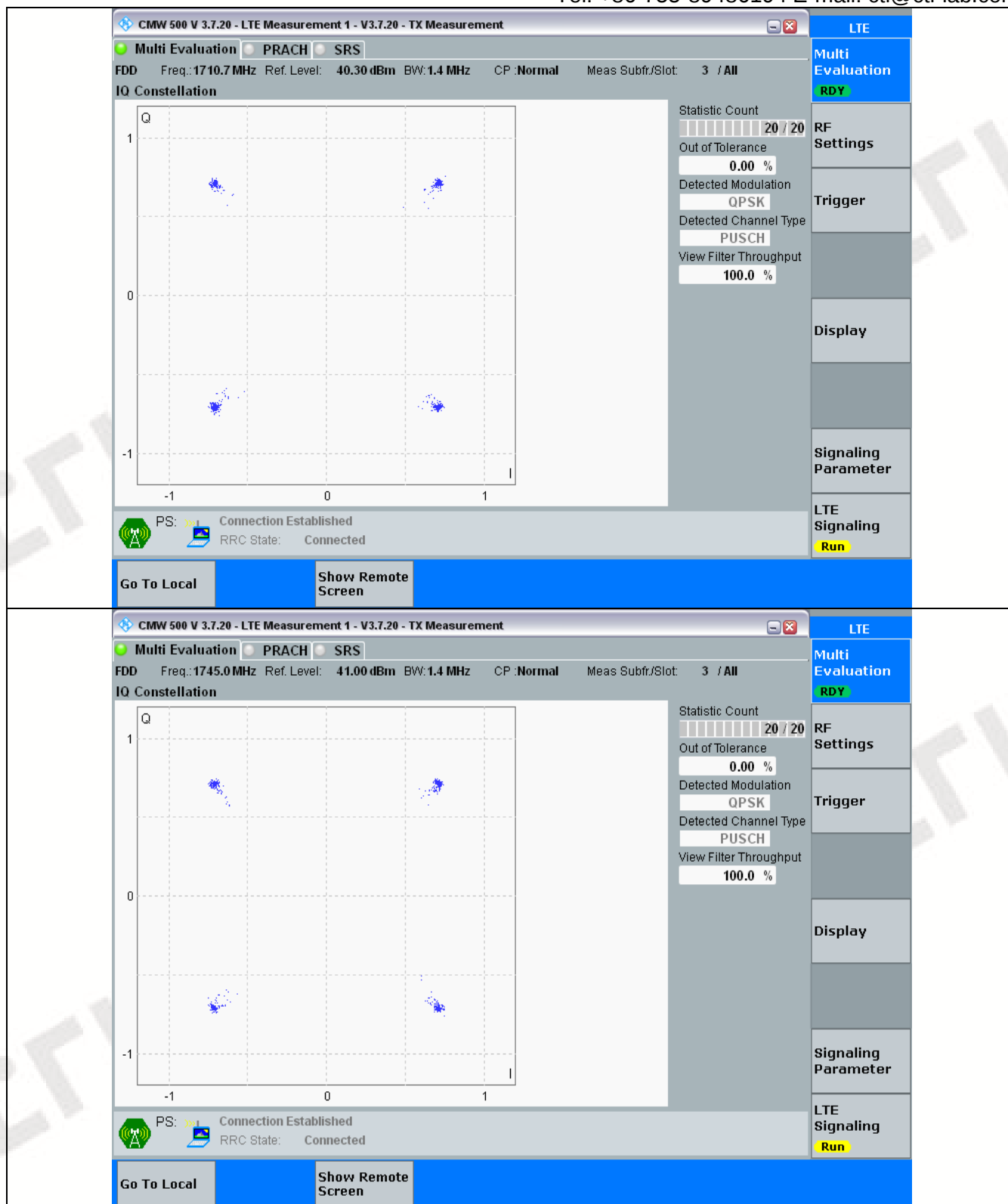
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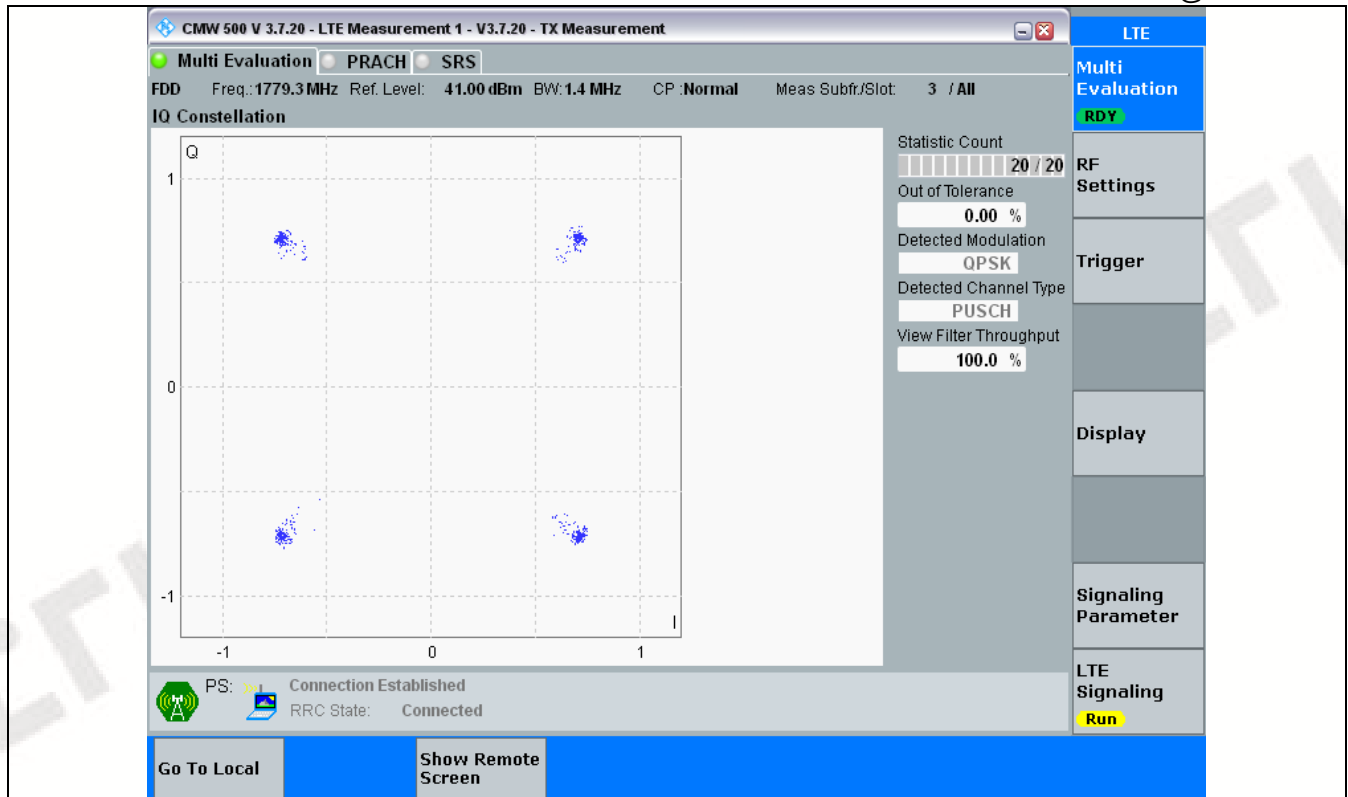
3. Modulation Characteristics

3.1 Test Graph

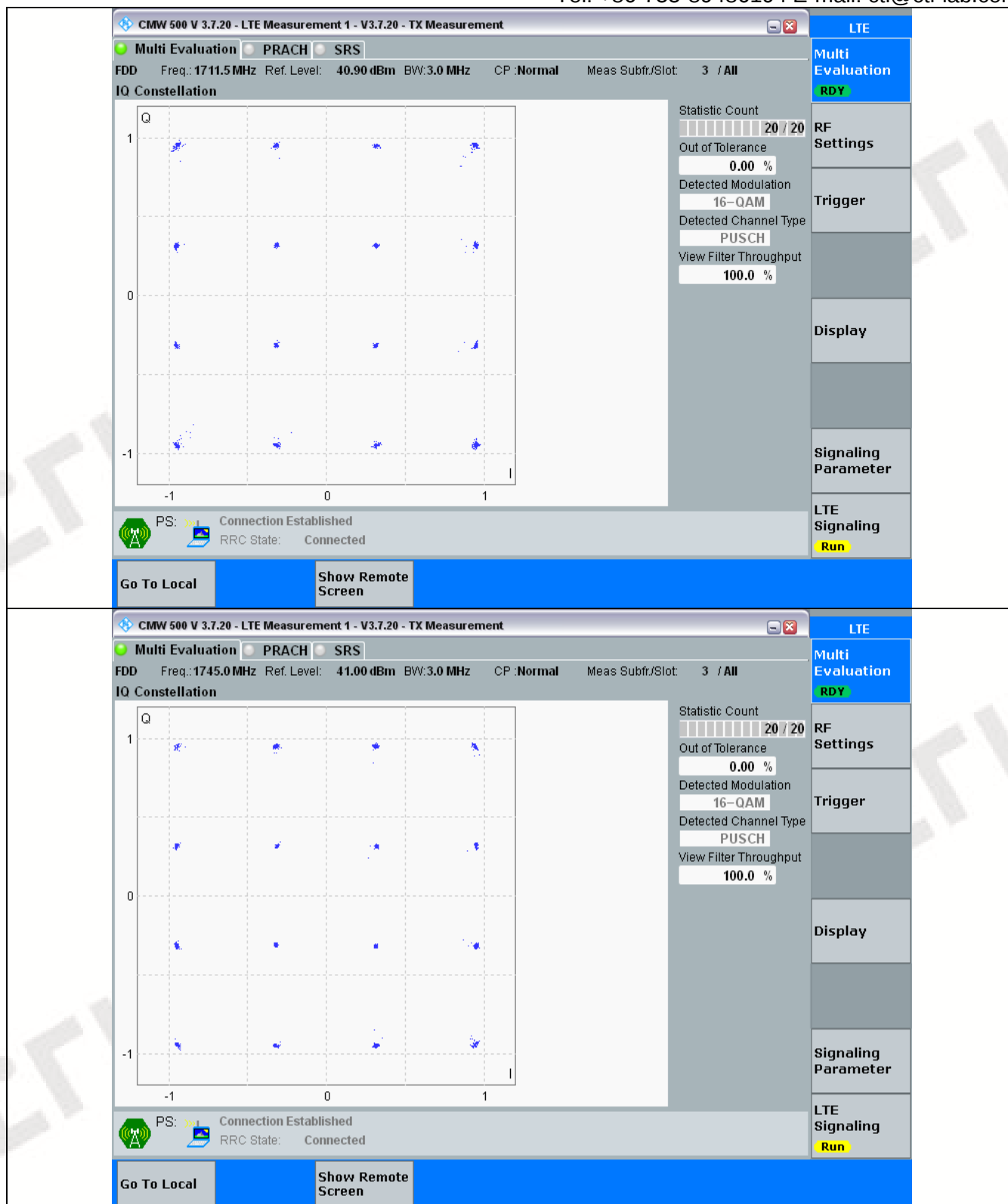


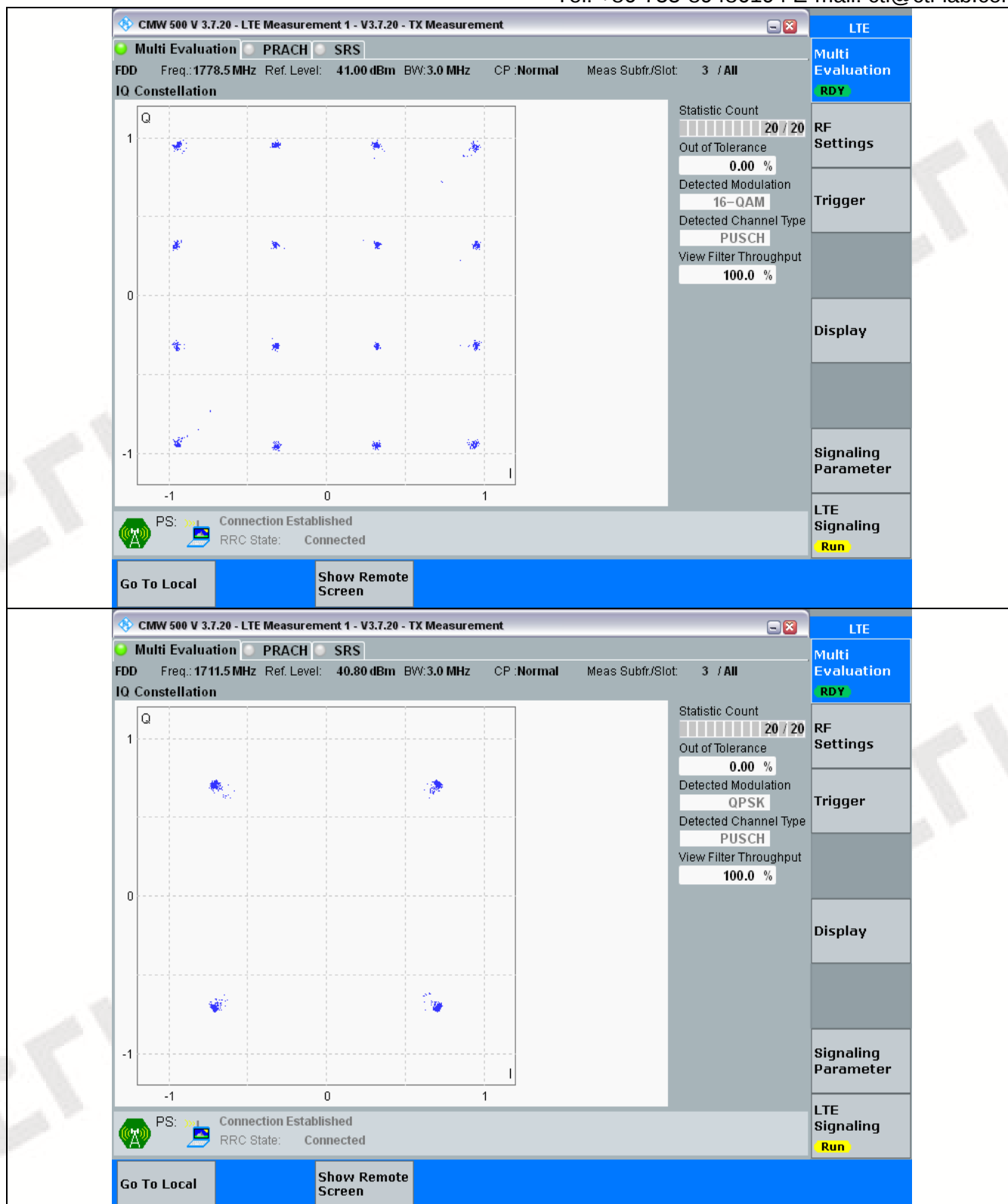


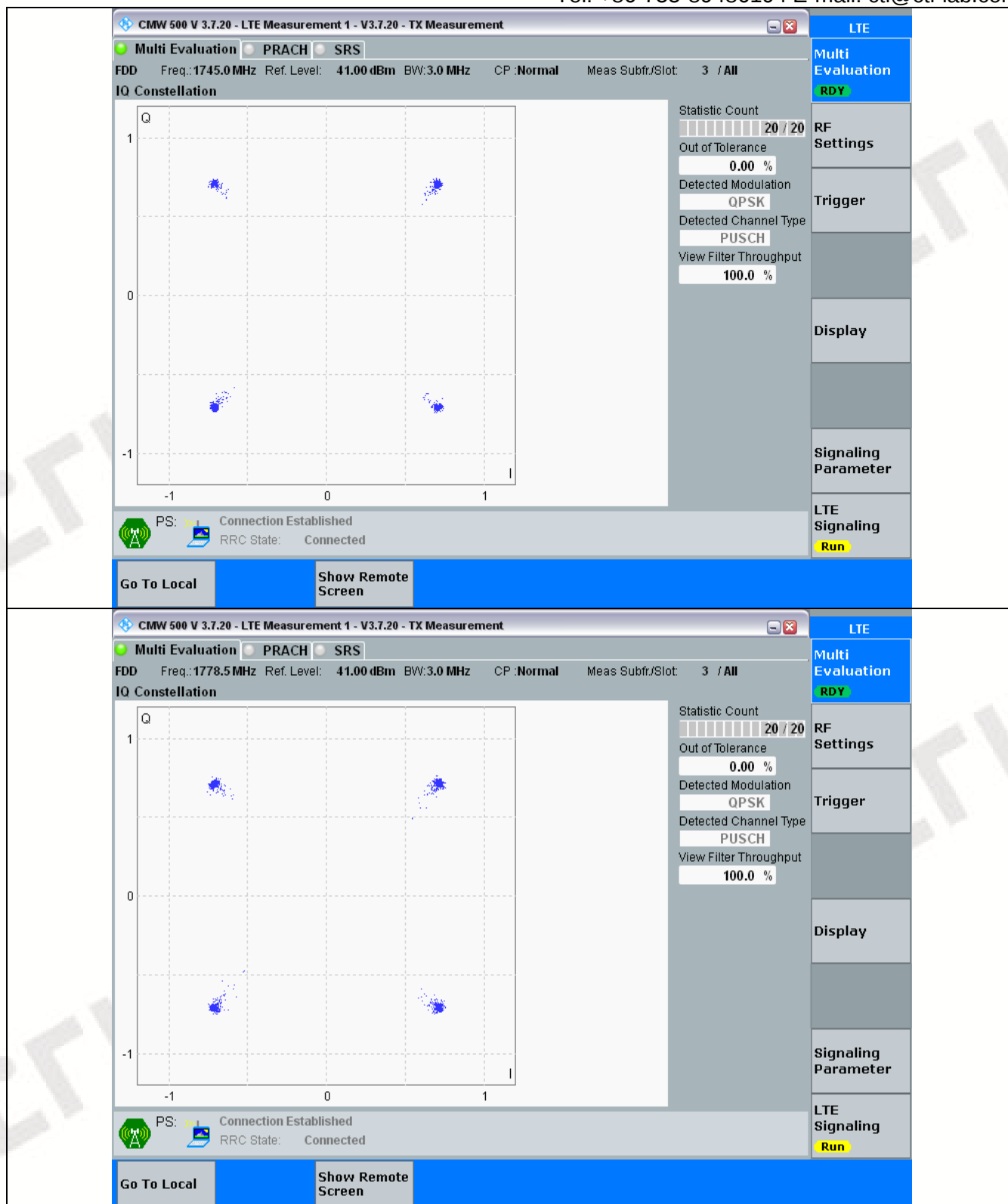




3.1 Test Graph





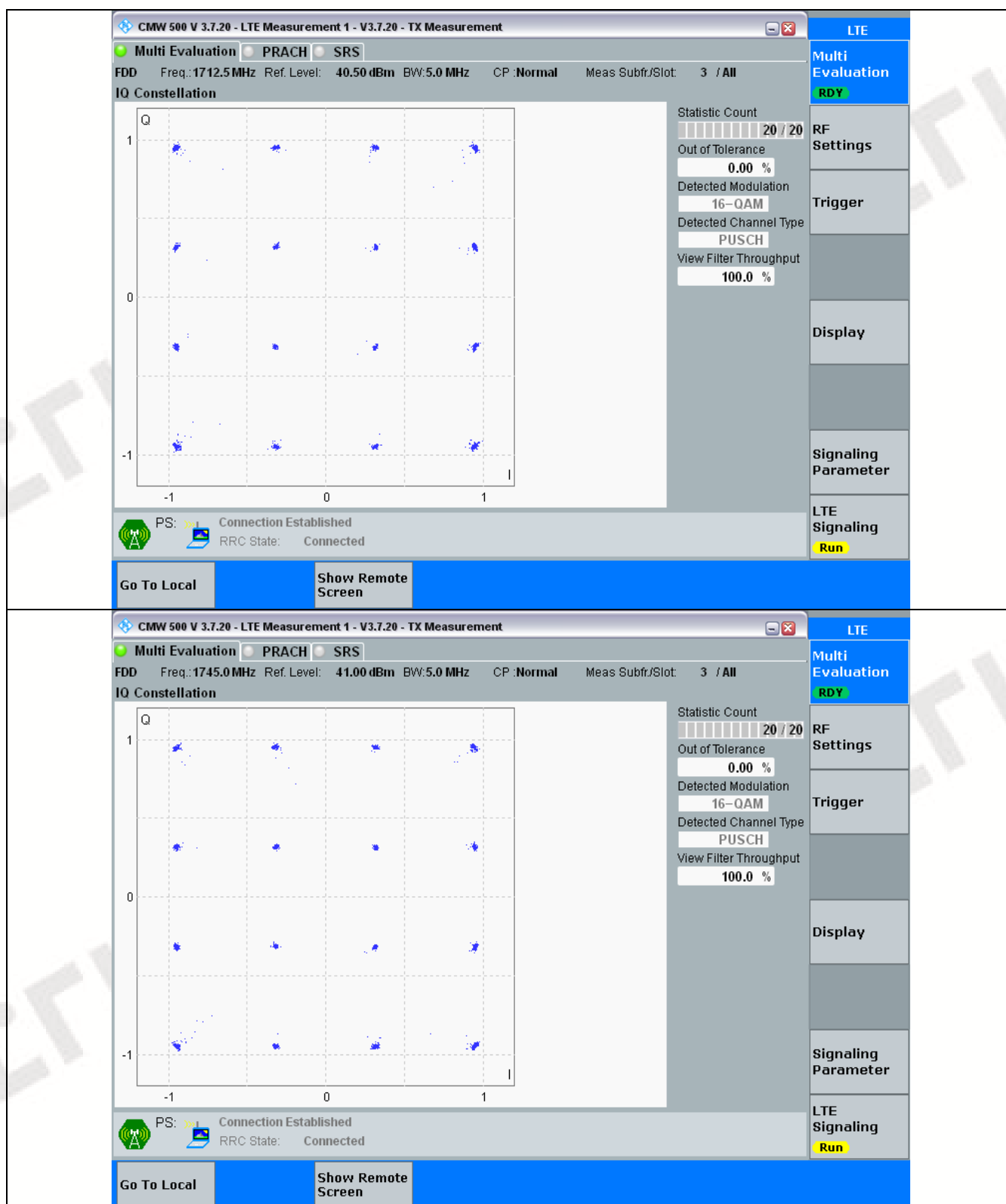


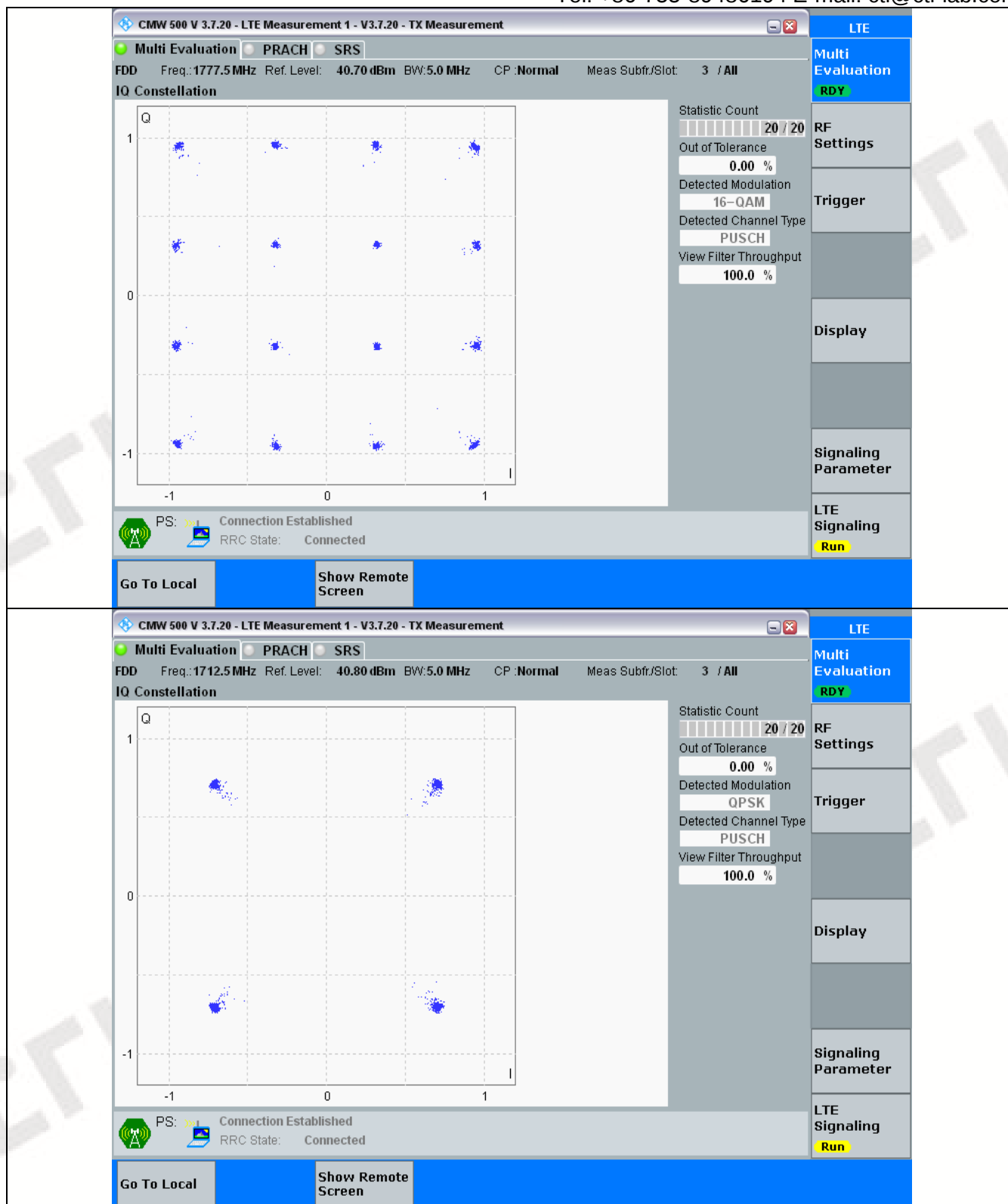


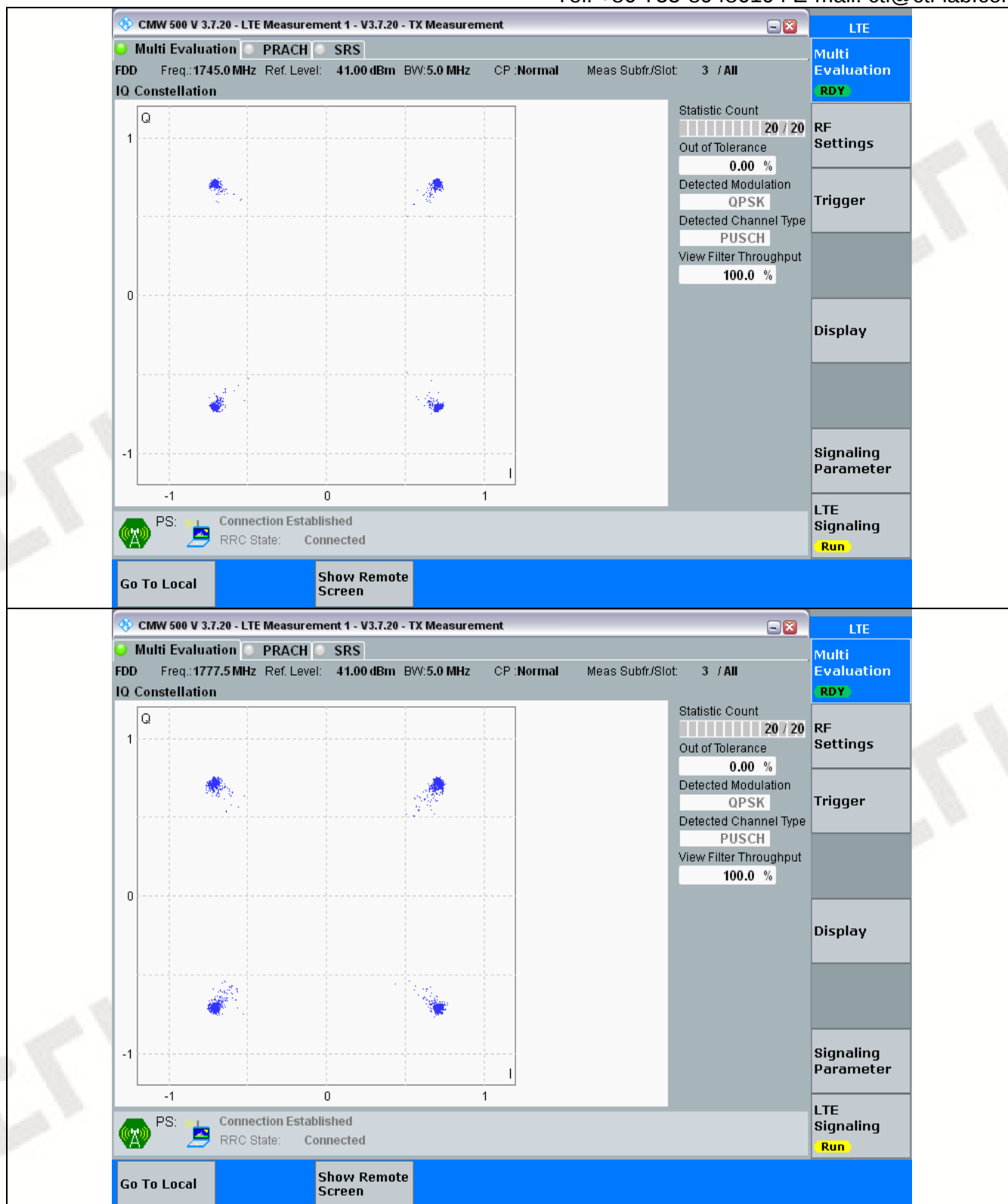
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3.1 Test Graph





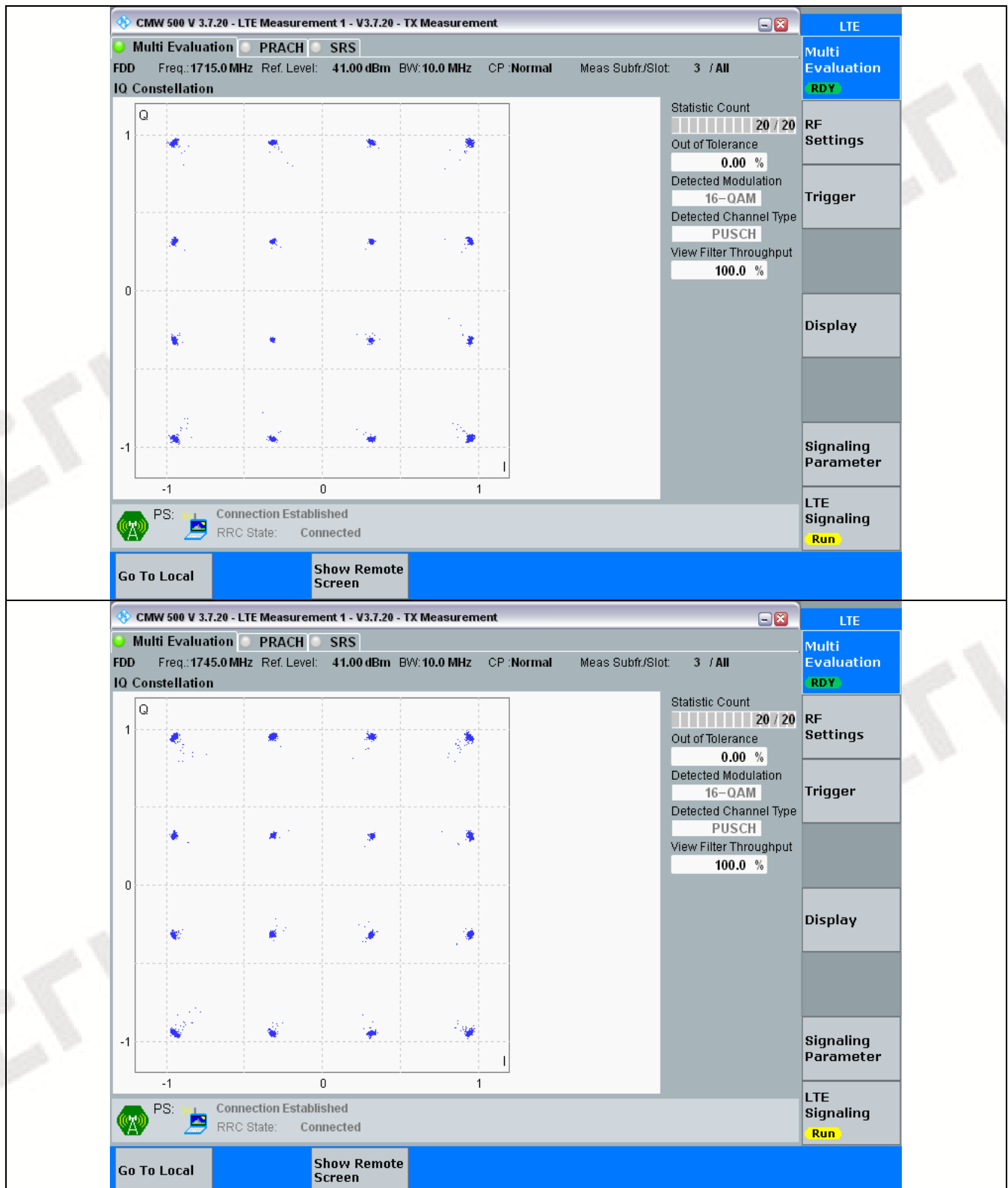


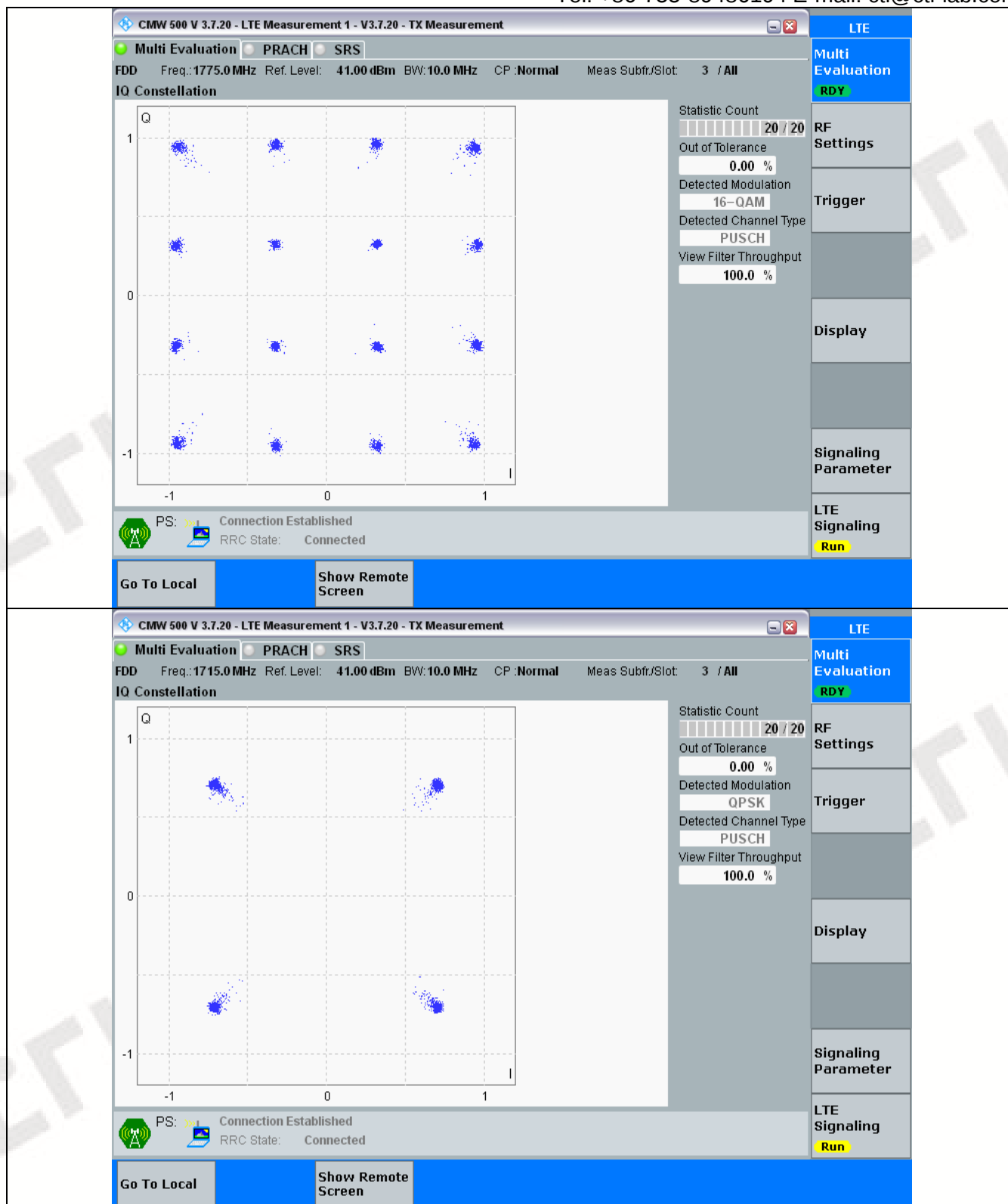


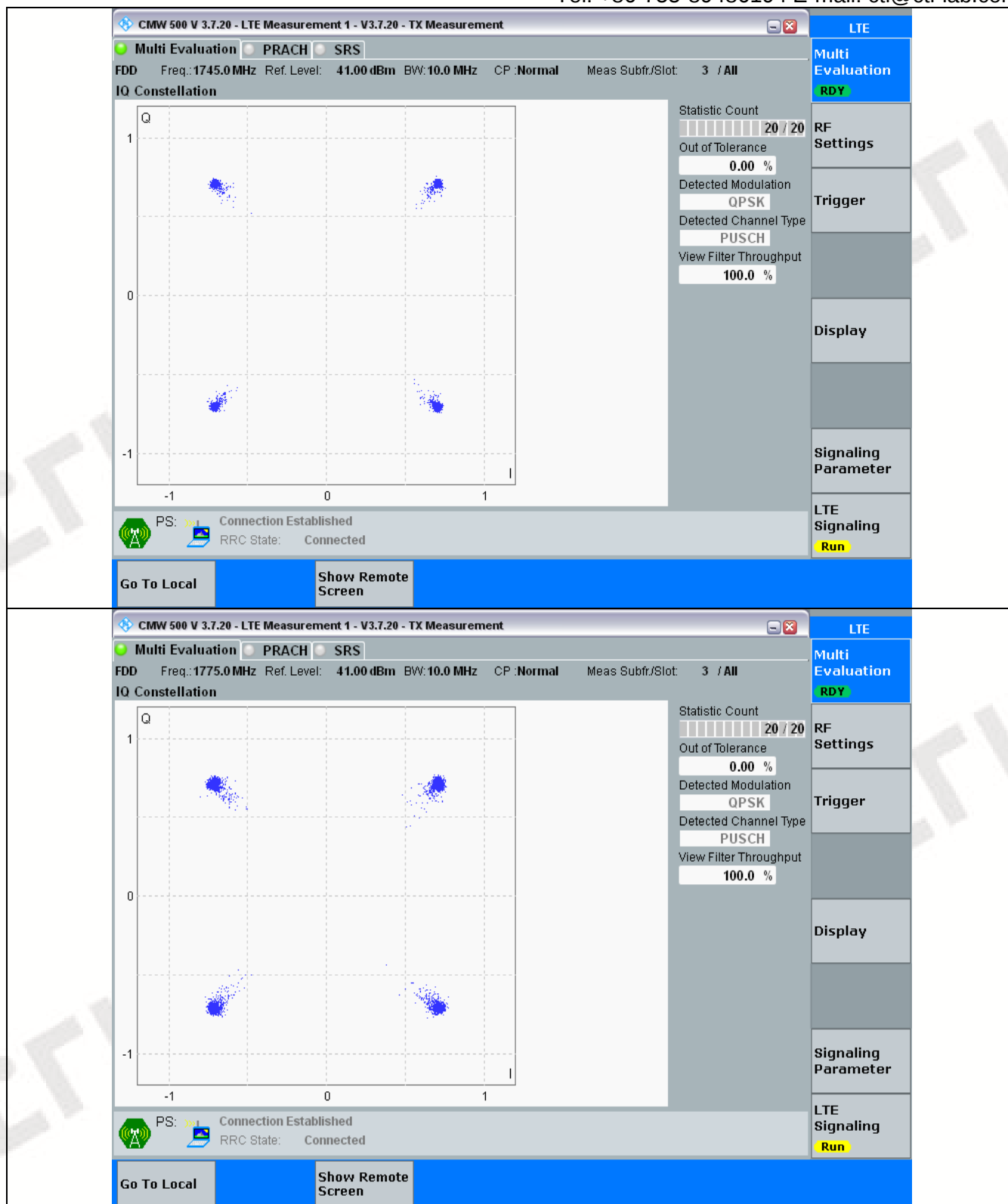
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3.1 Test Graph





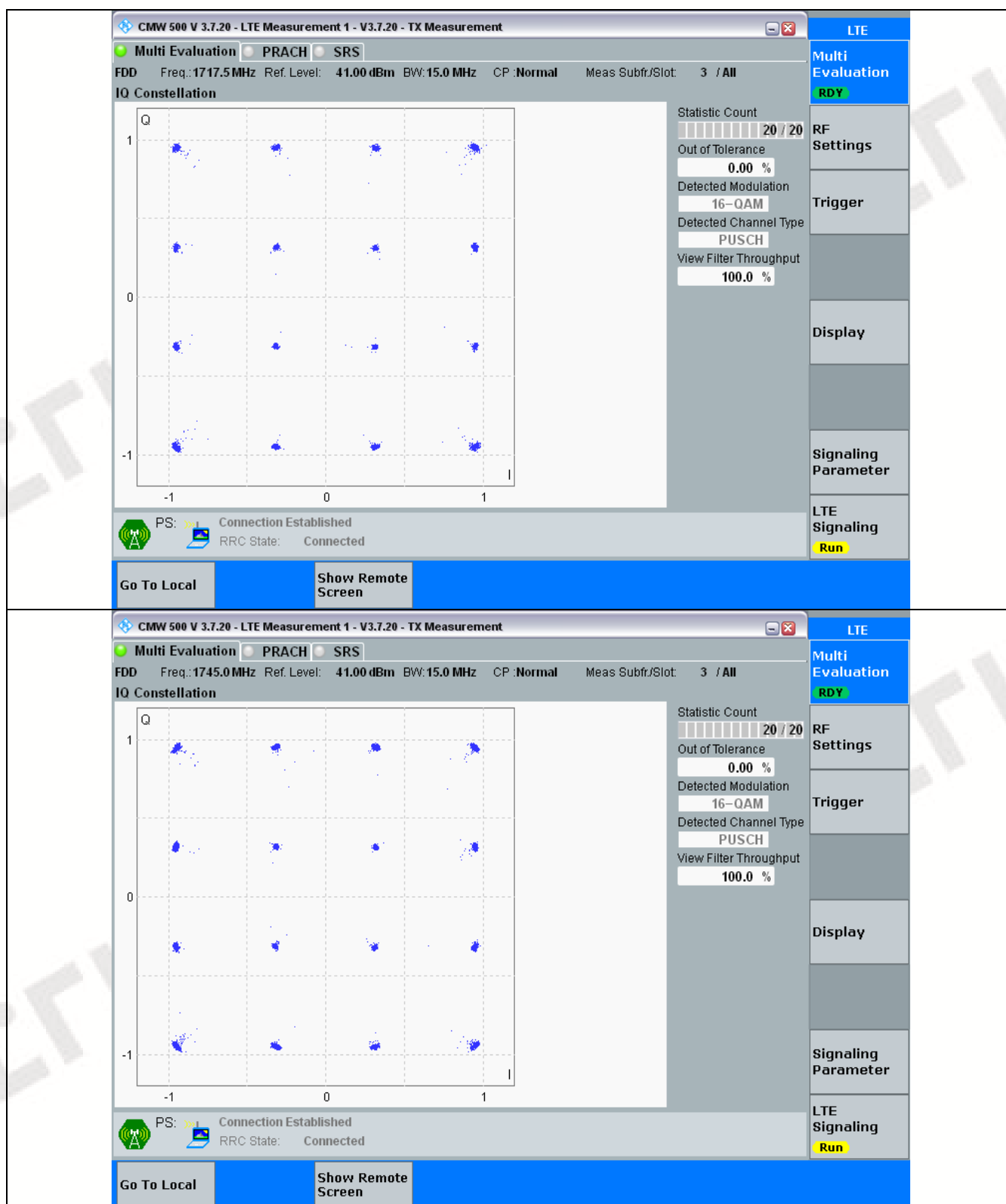


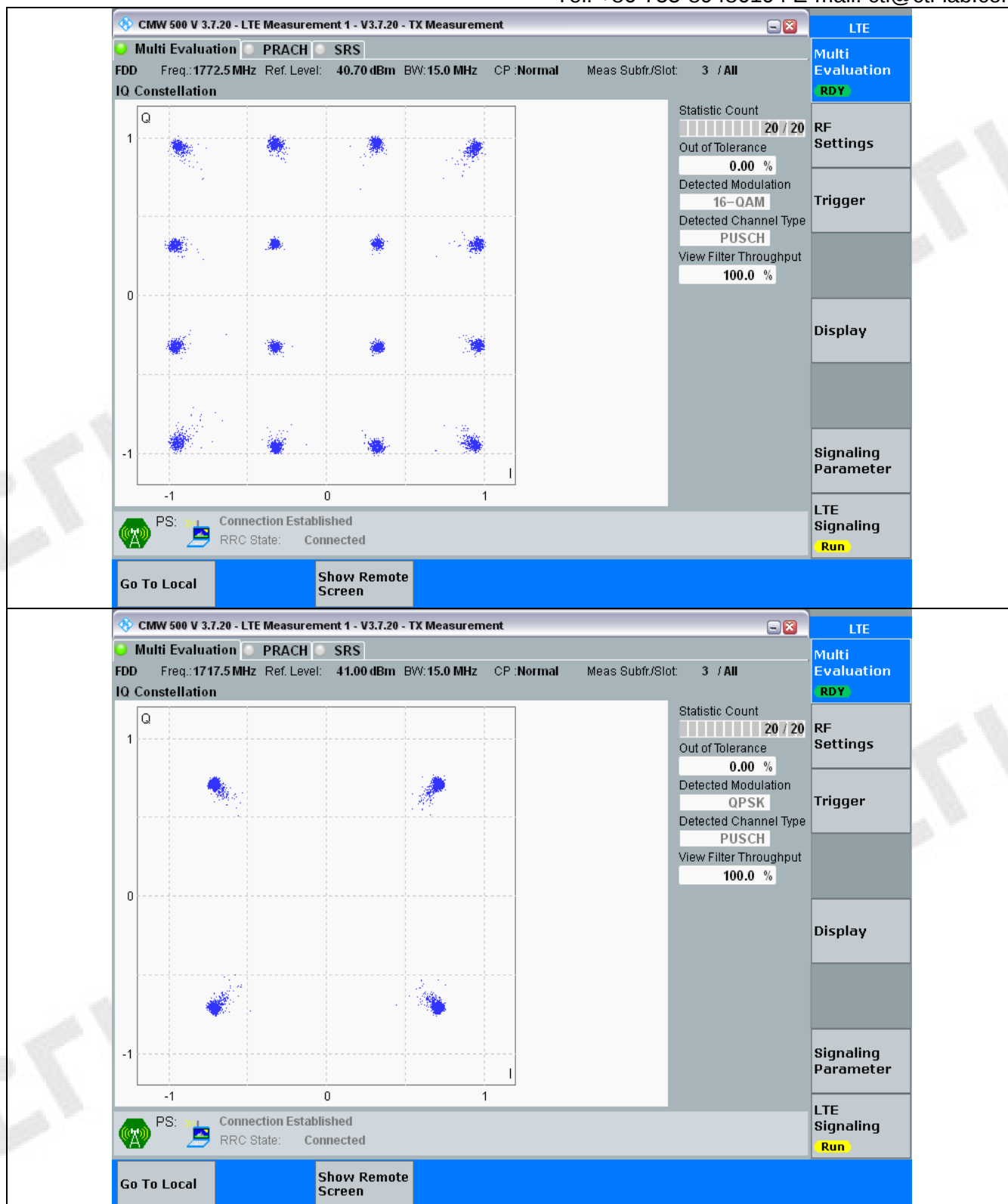


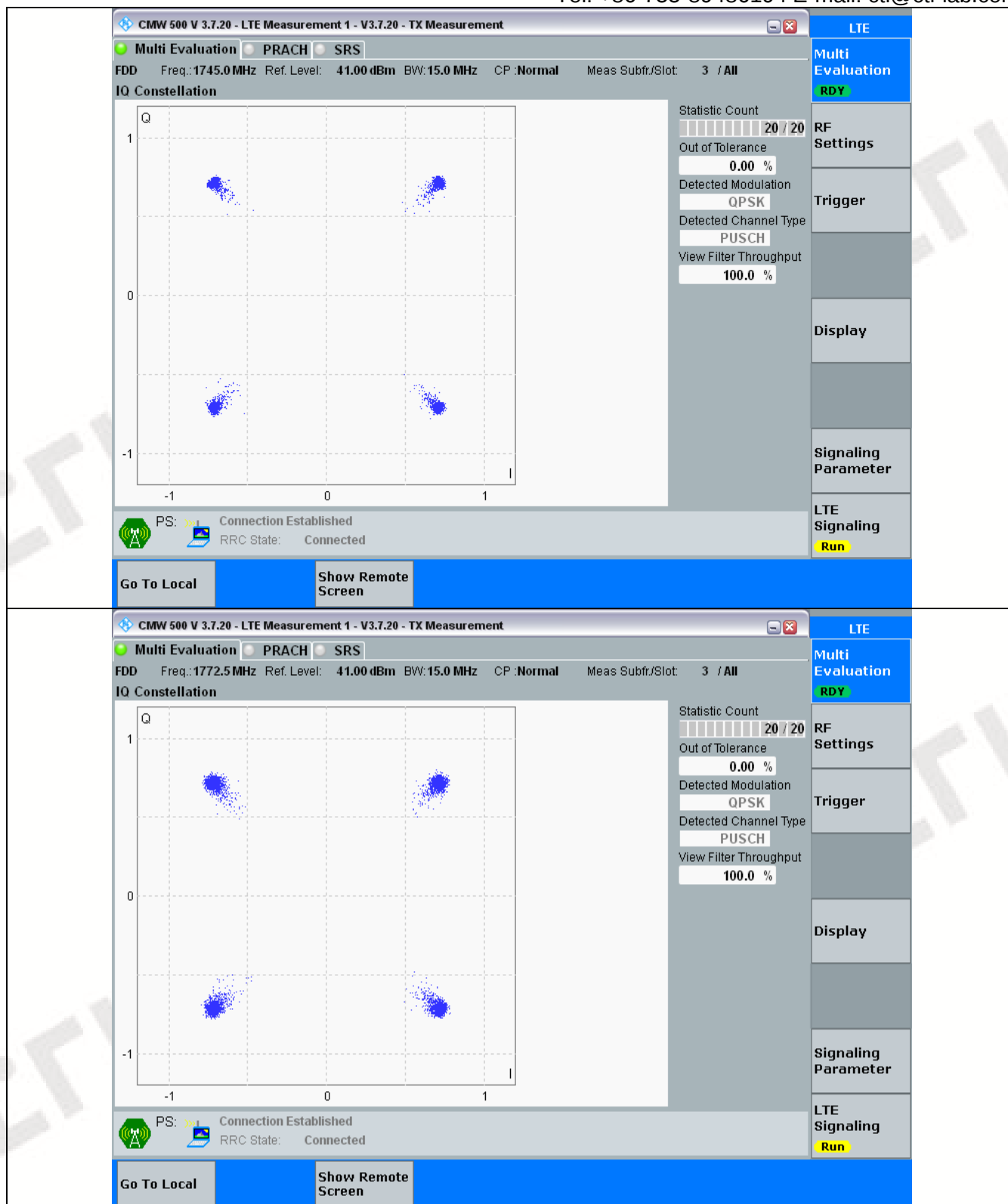
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3.1 Test Graph

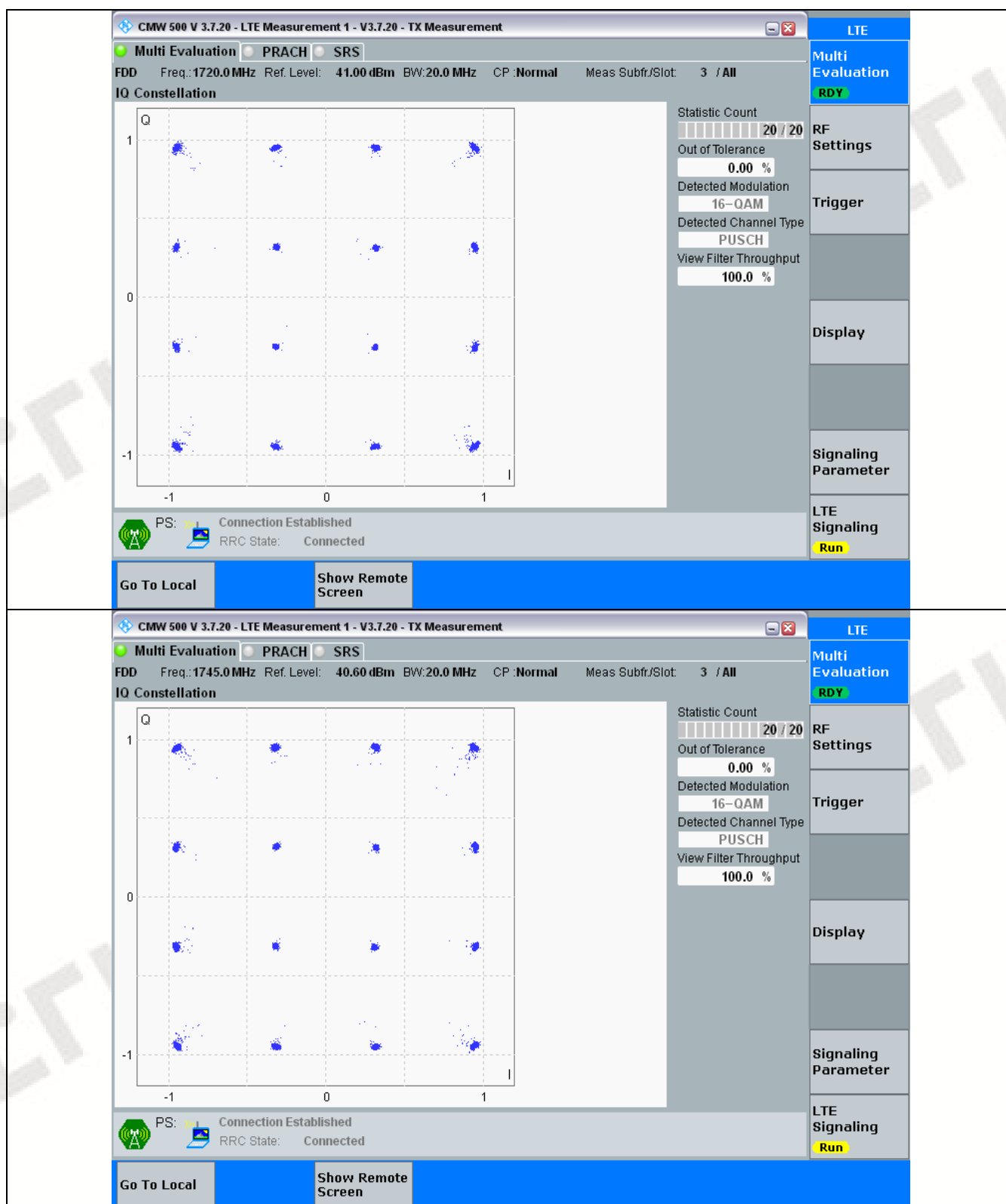


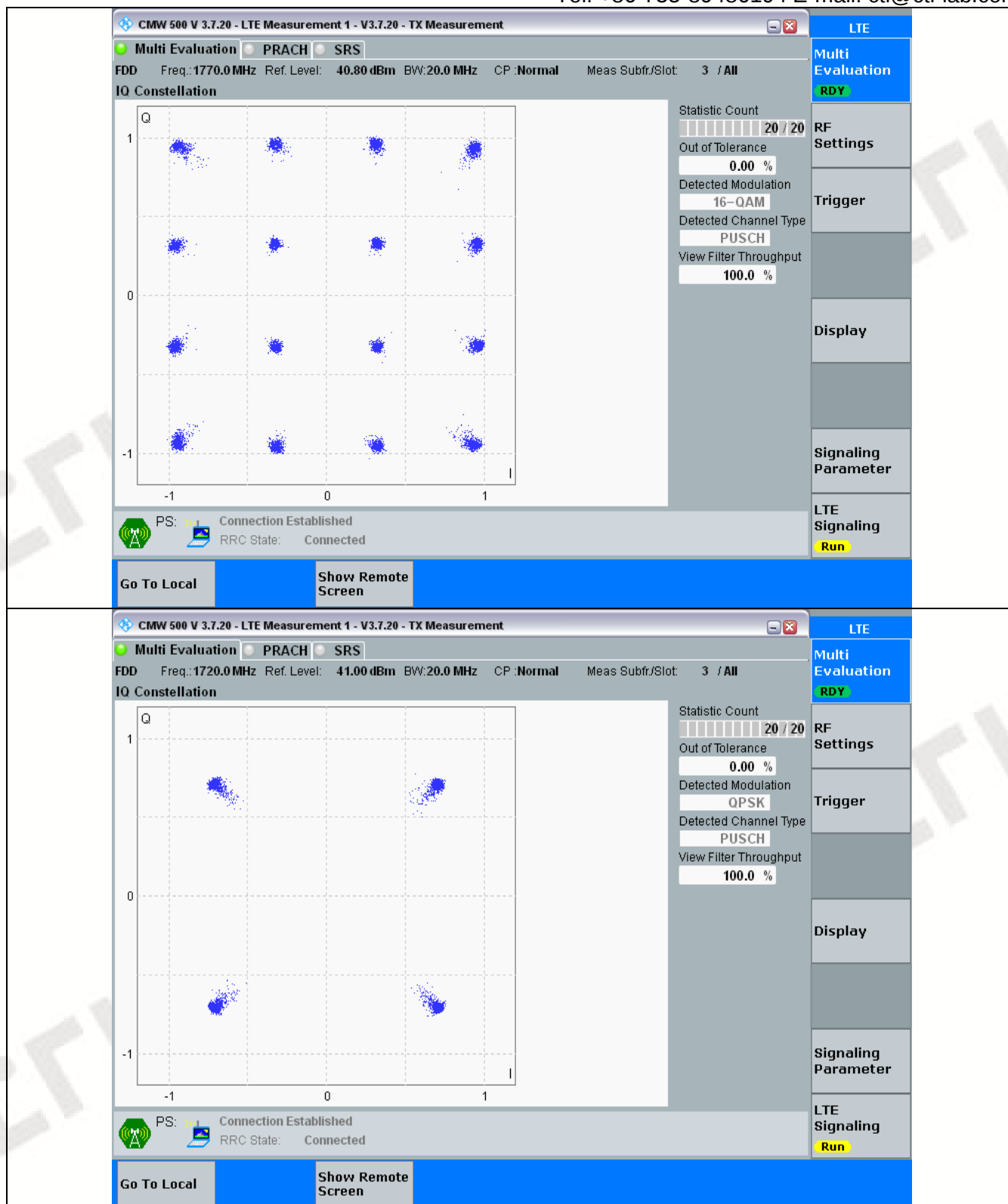


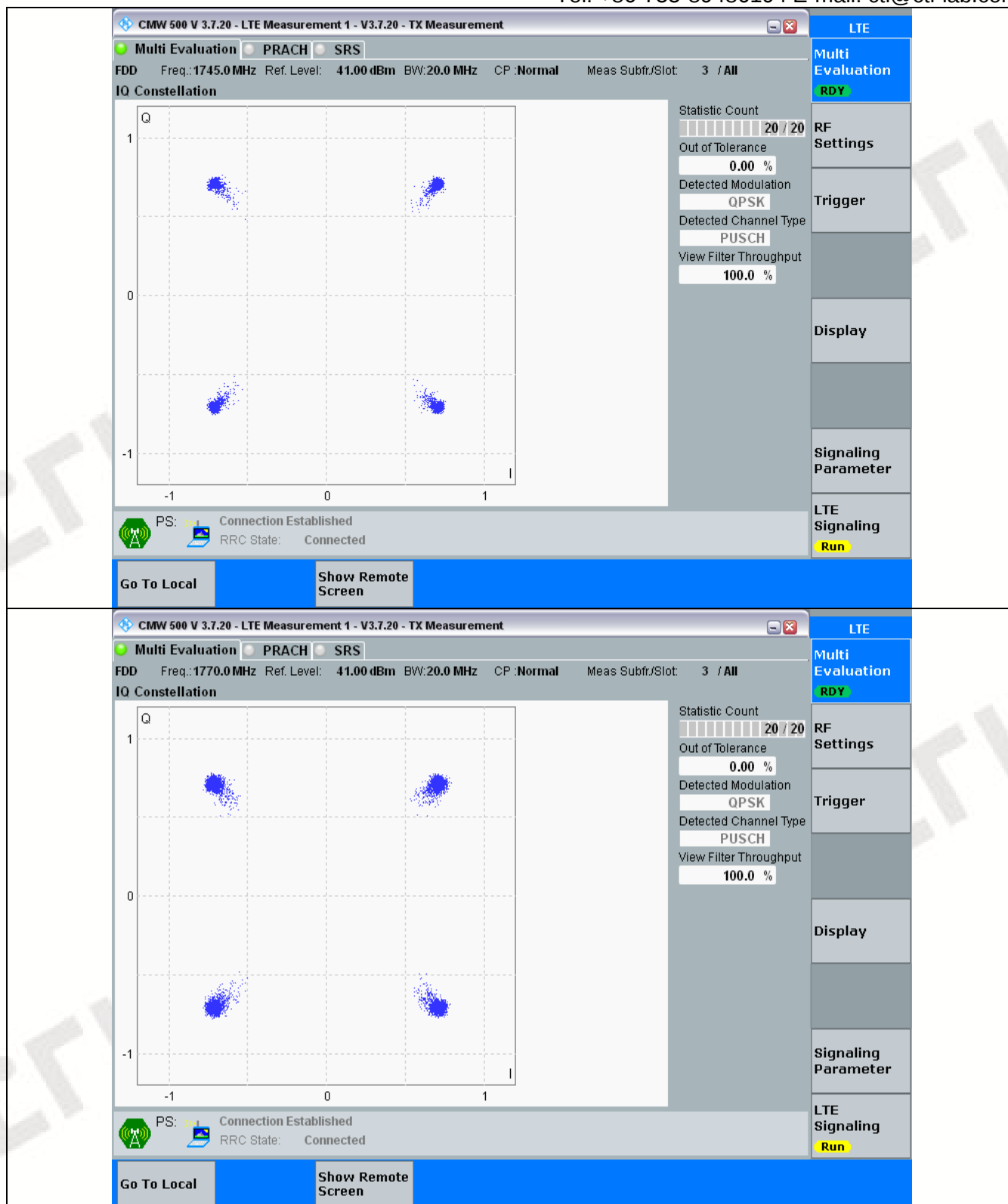




3.1 Test Graph







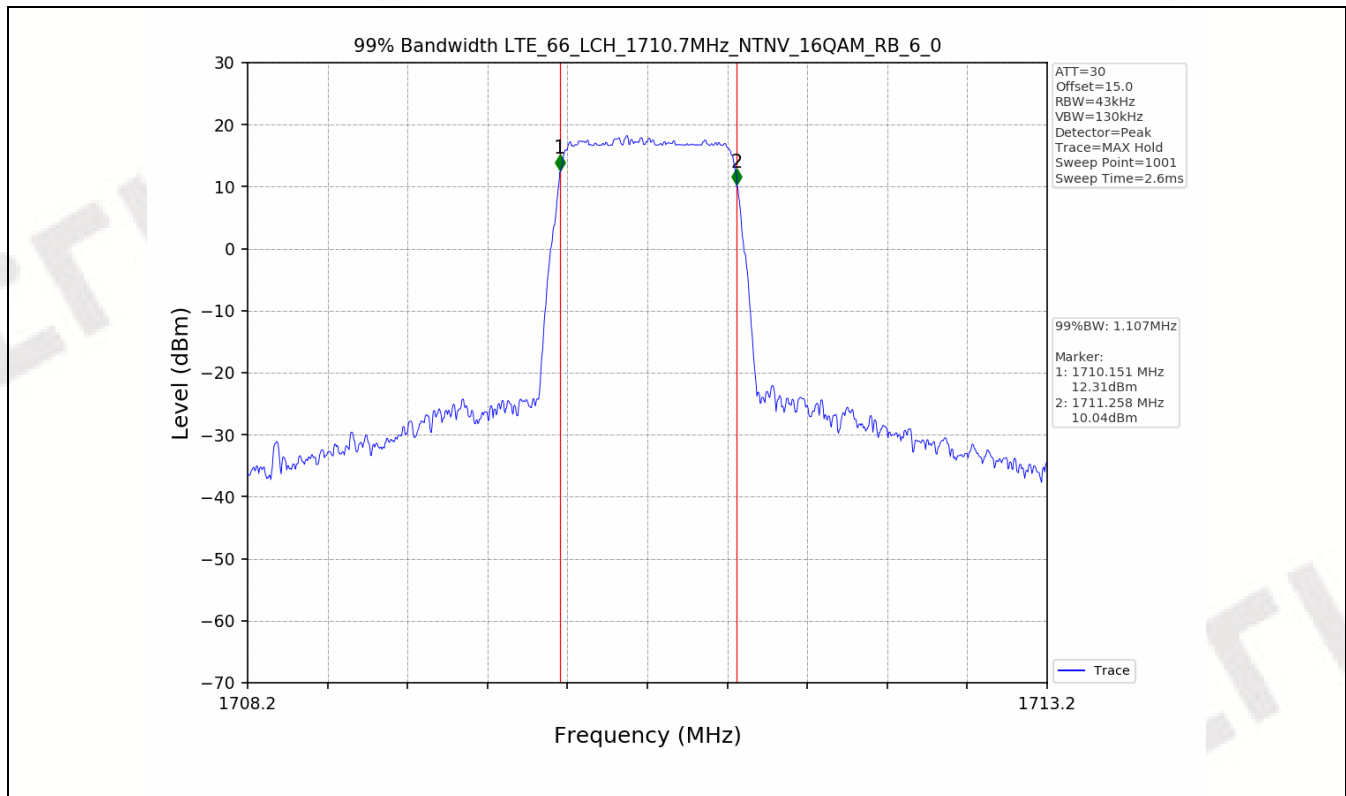


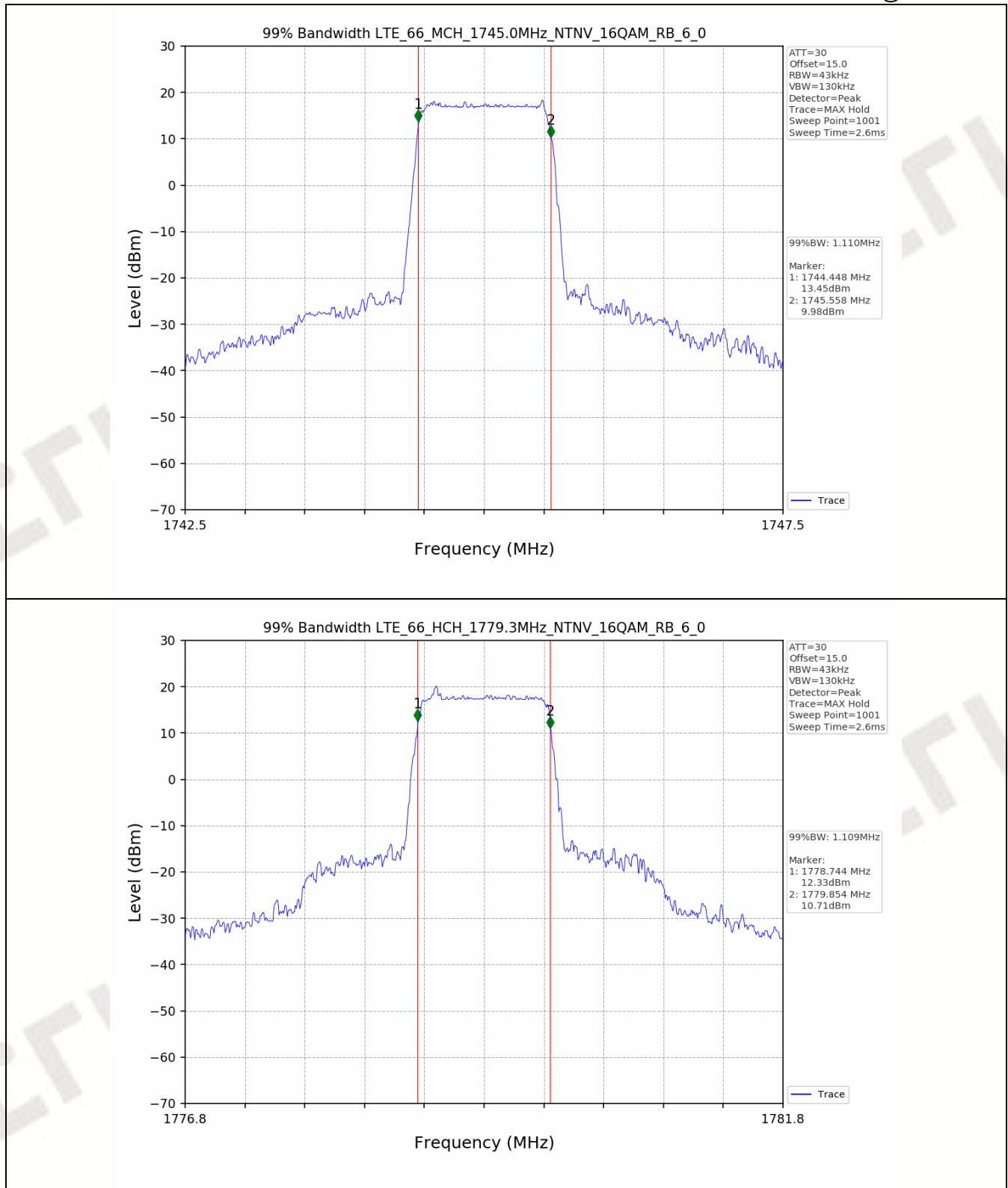
4. 99% & 26dB Bandwidth

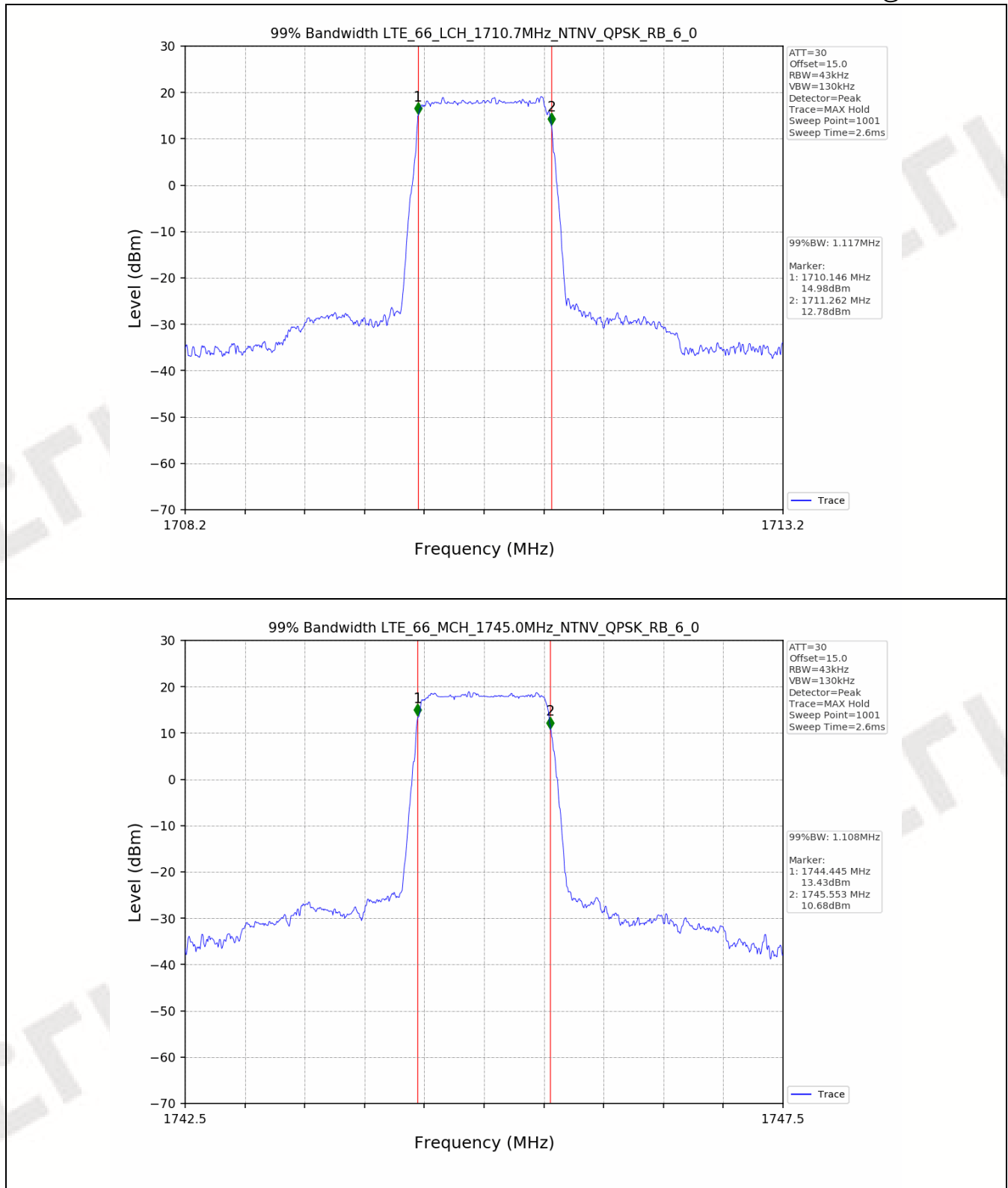
4.1 Test Result

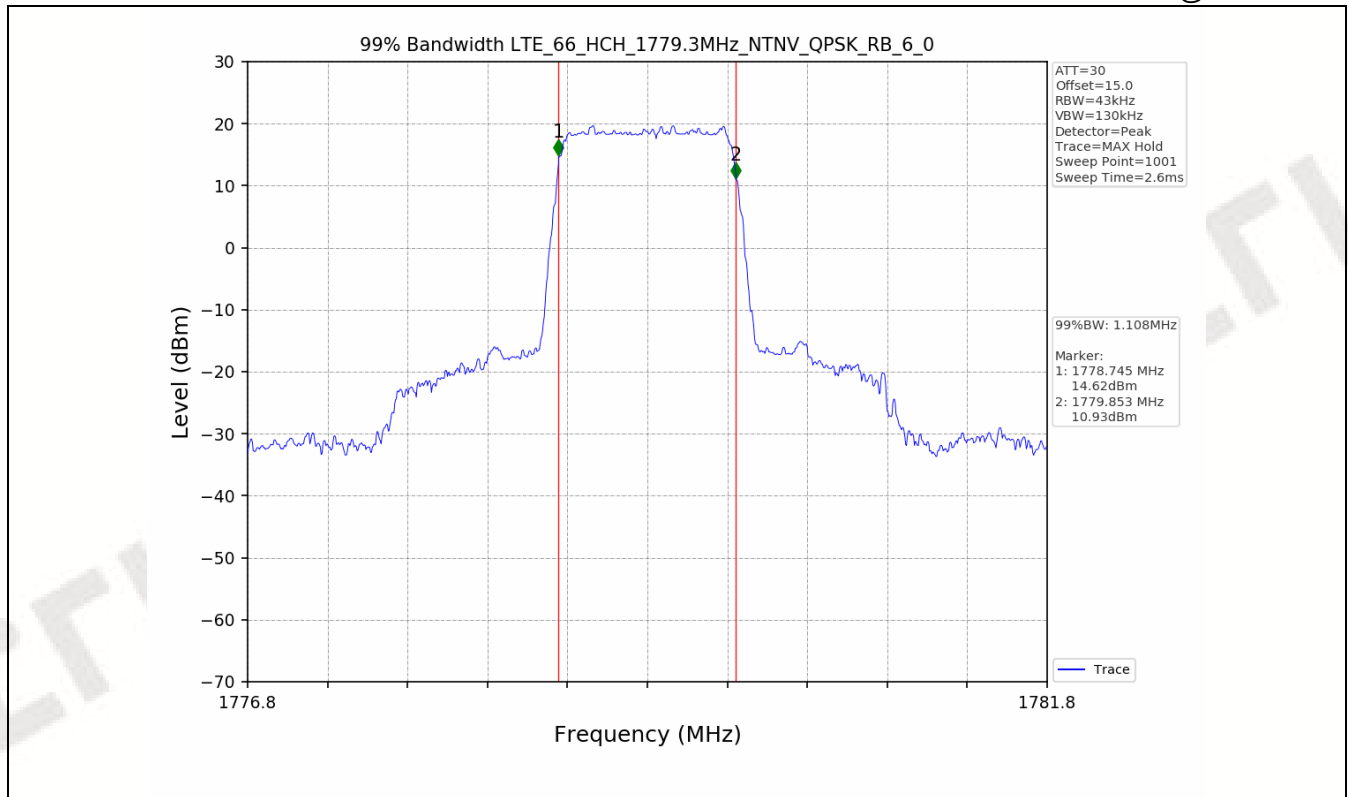
Test Band: 66 1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.117	1.108	1.108	N/A	PASS
16QAM	6	0	1.107	1.110	1.109	N/A	PASS

4.2 Test Graph



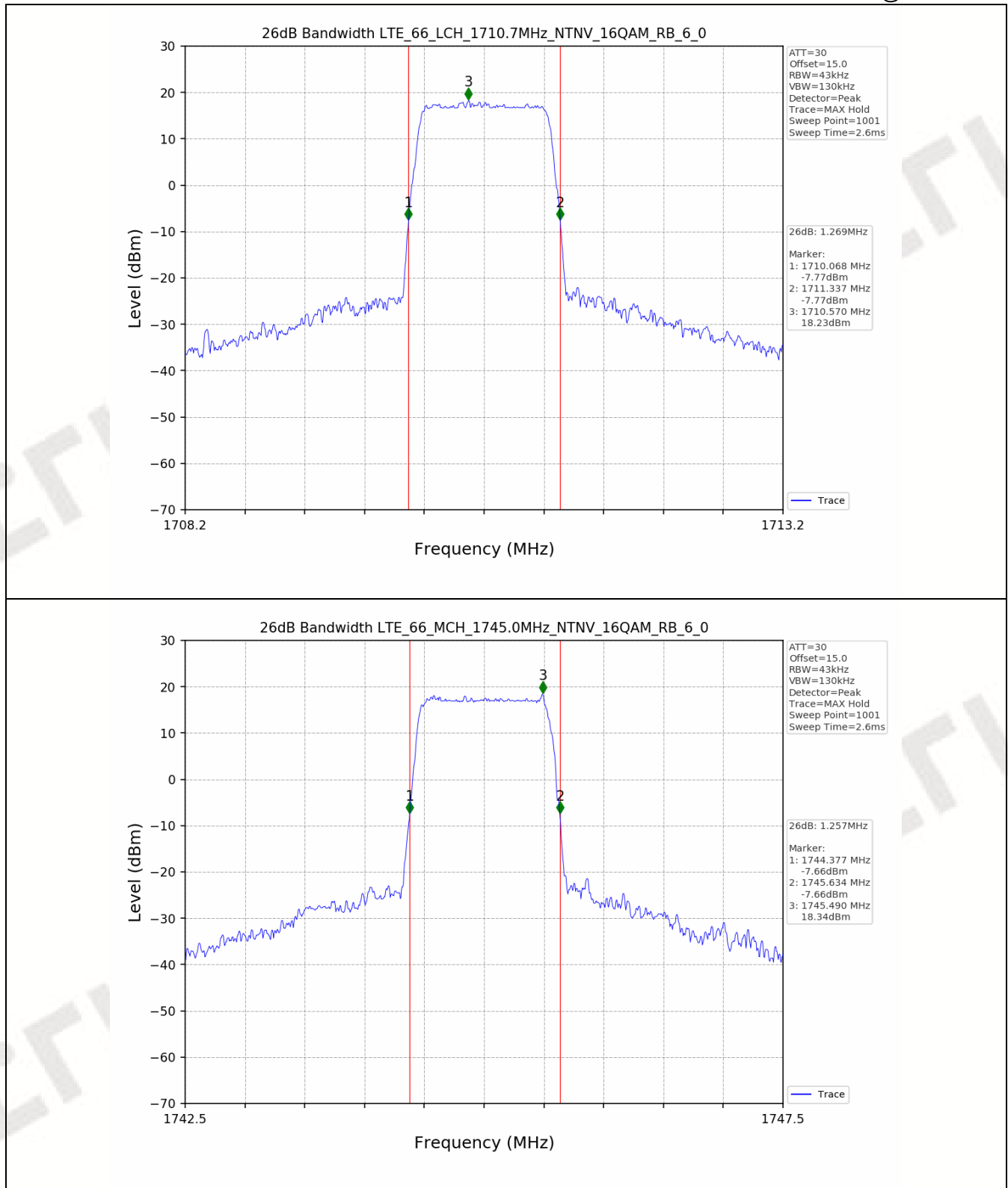


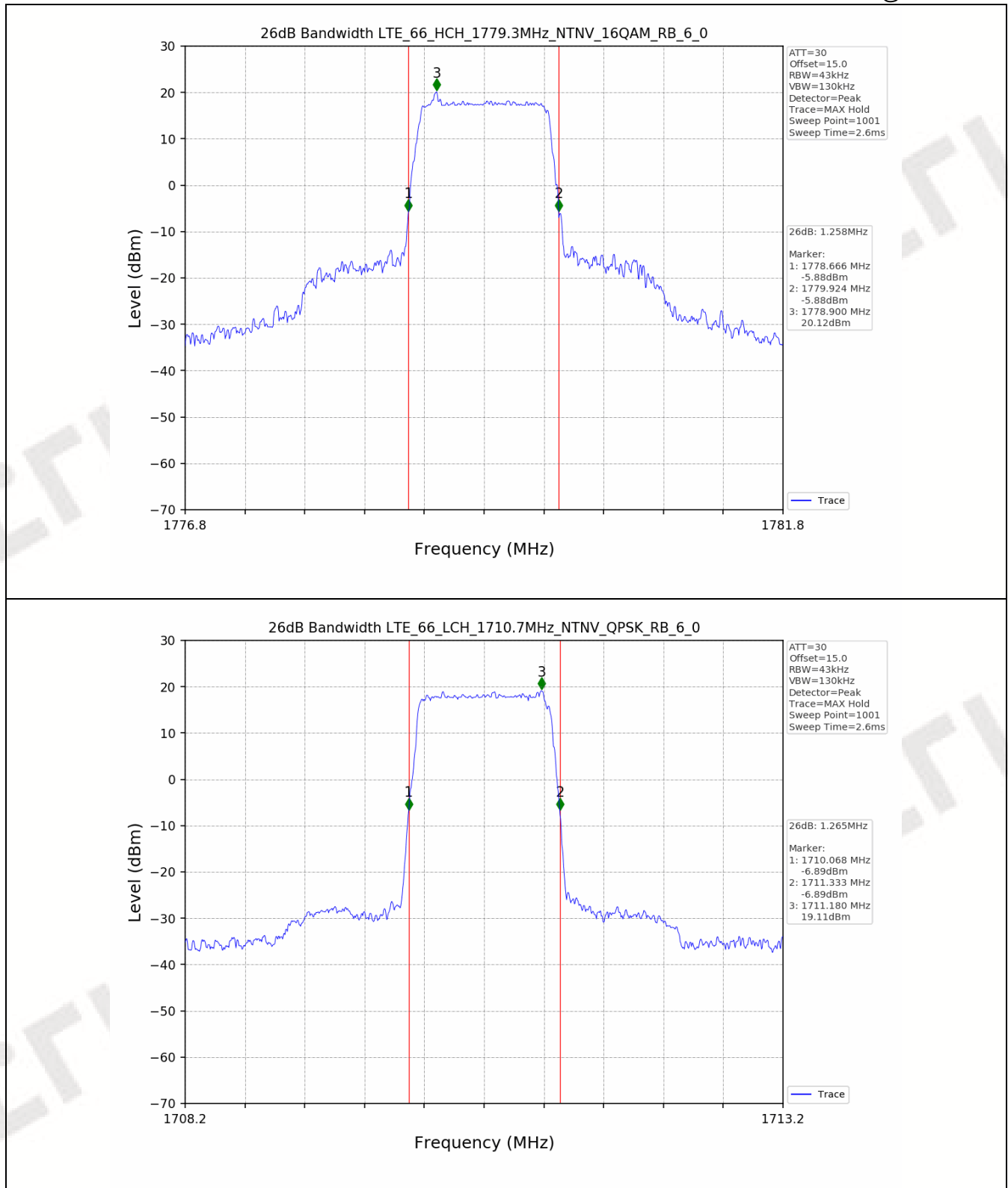


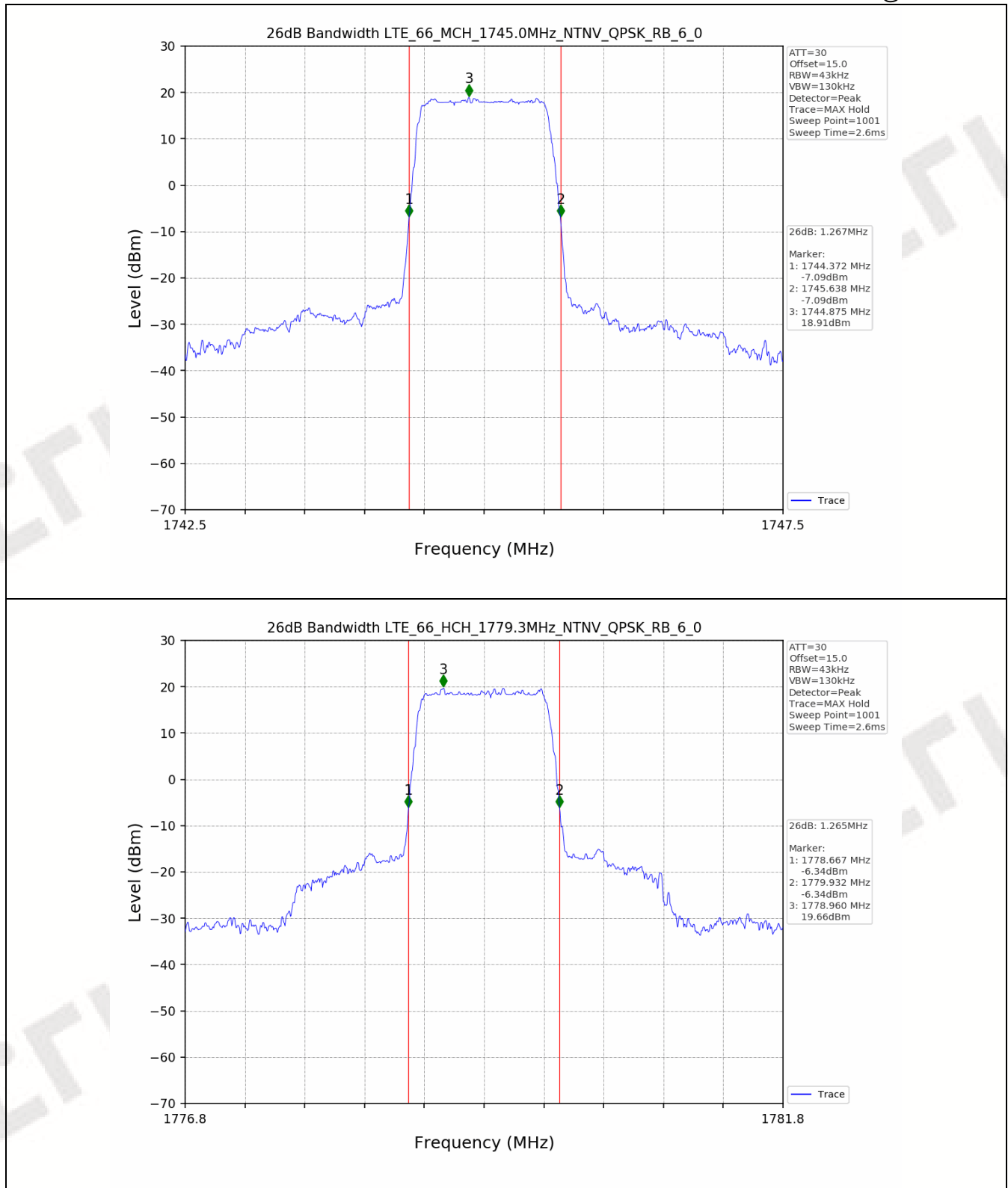


Test Band: 66_1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.265	1.267	1.265	N/A	PASS
16QAM	6	0	1.269	1.257	1.258	N/A	PASS

4.2 Test Graph



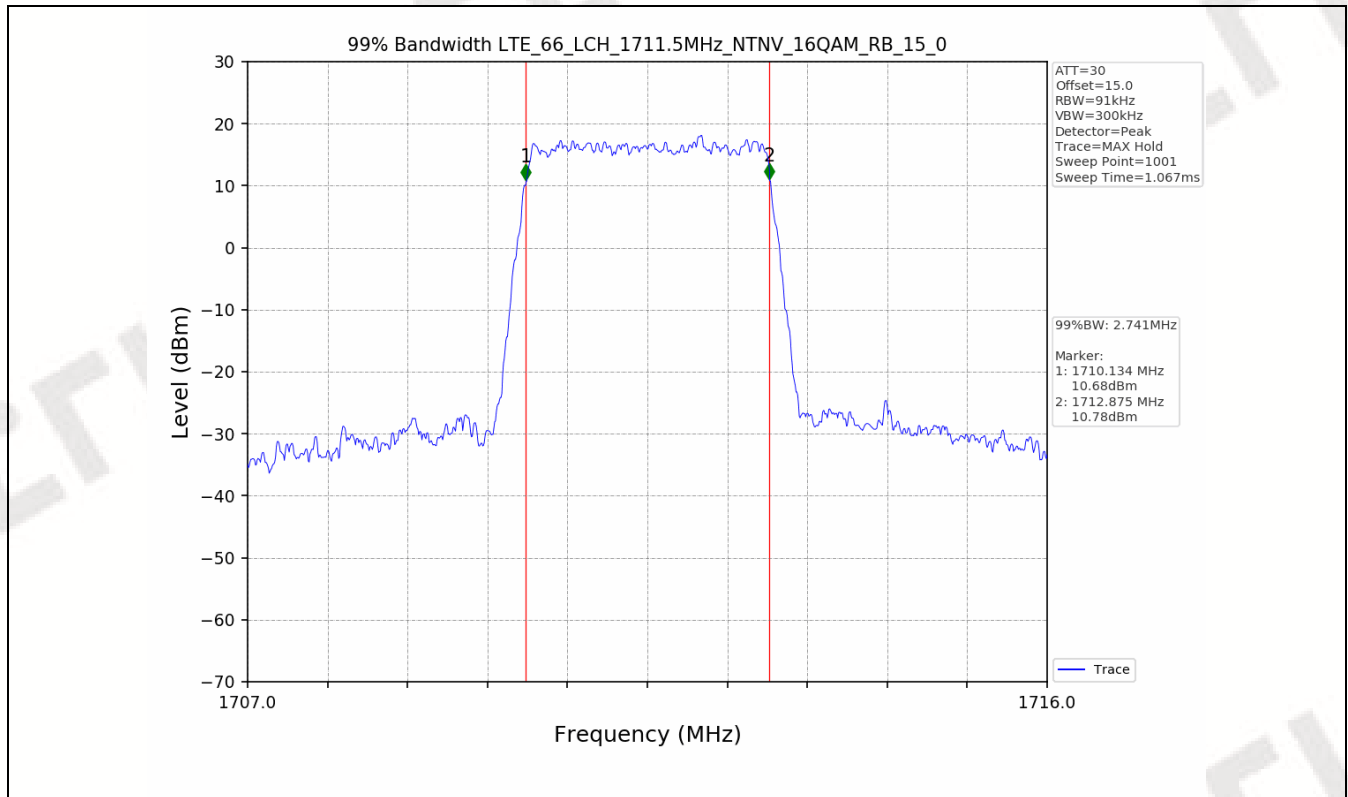


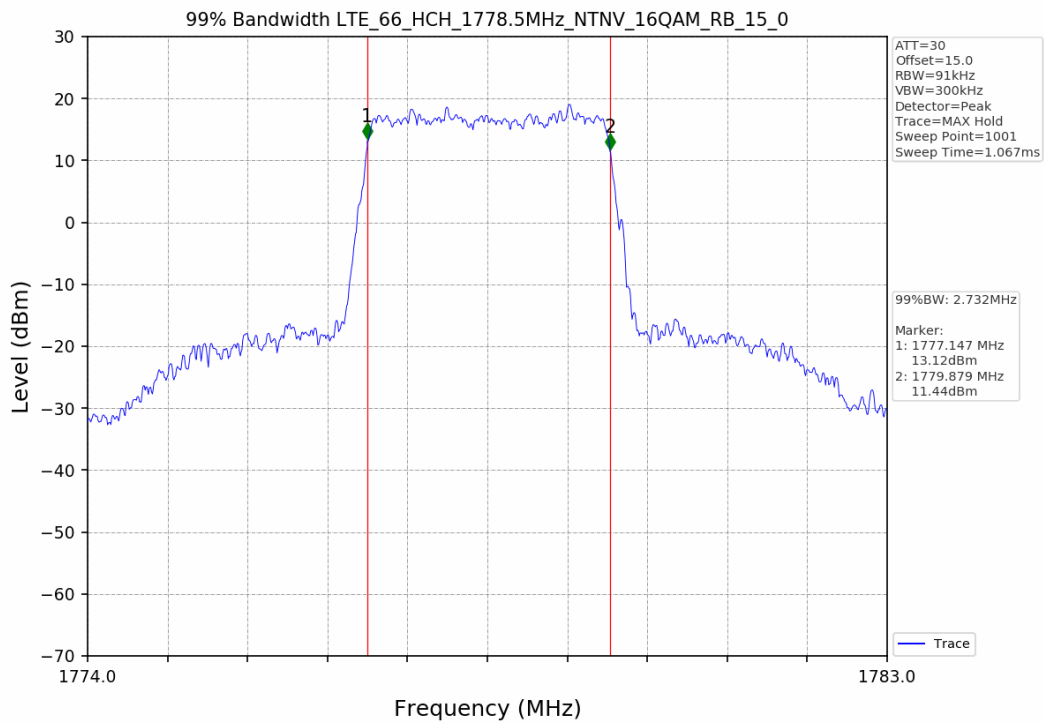
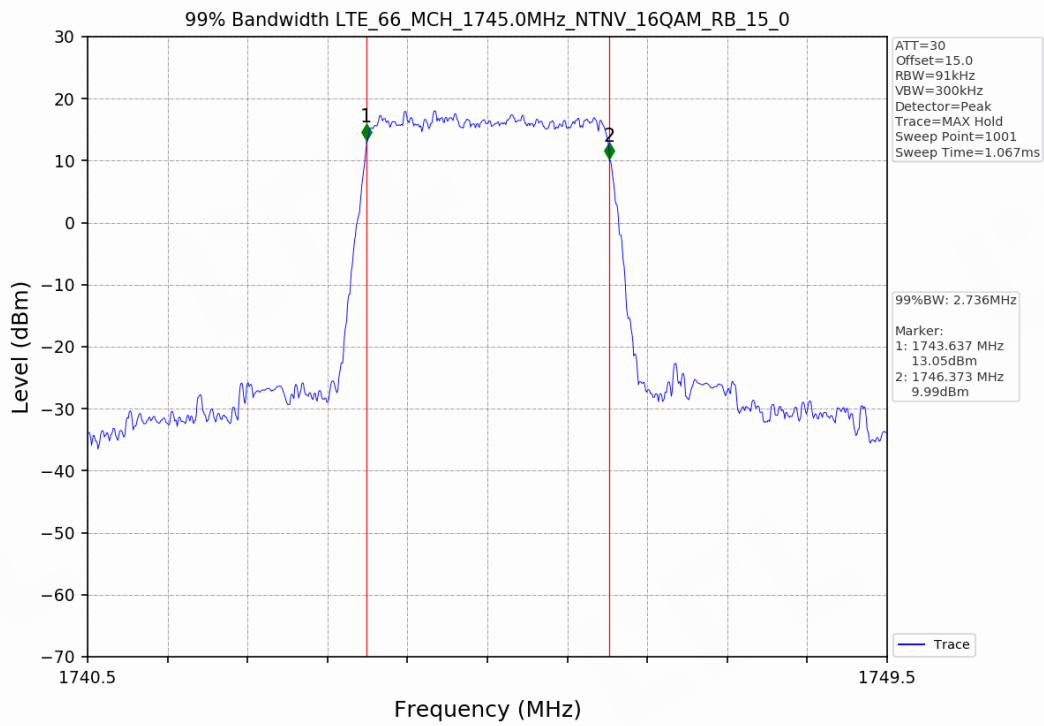


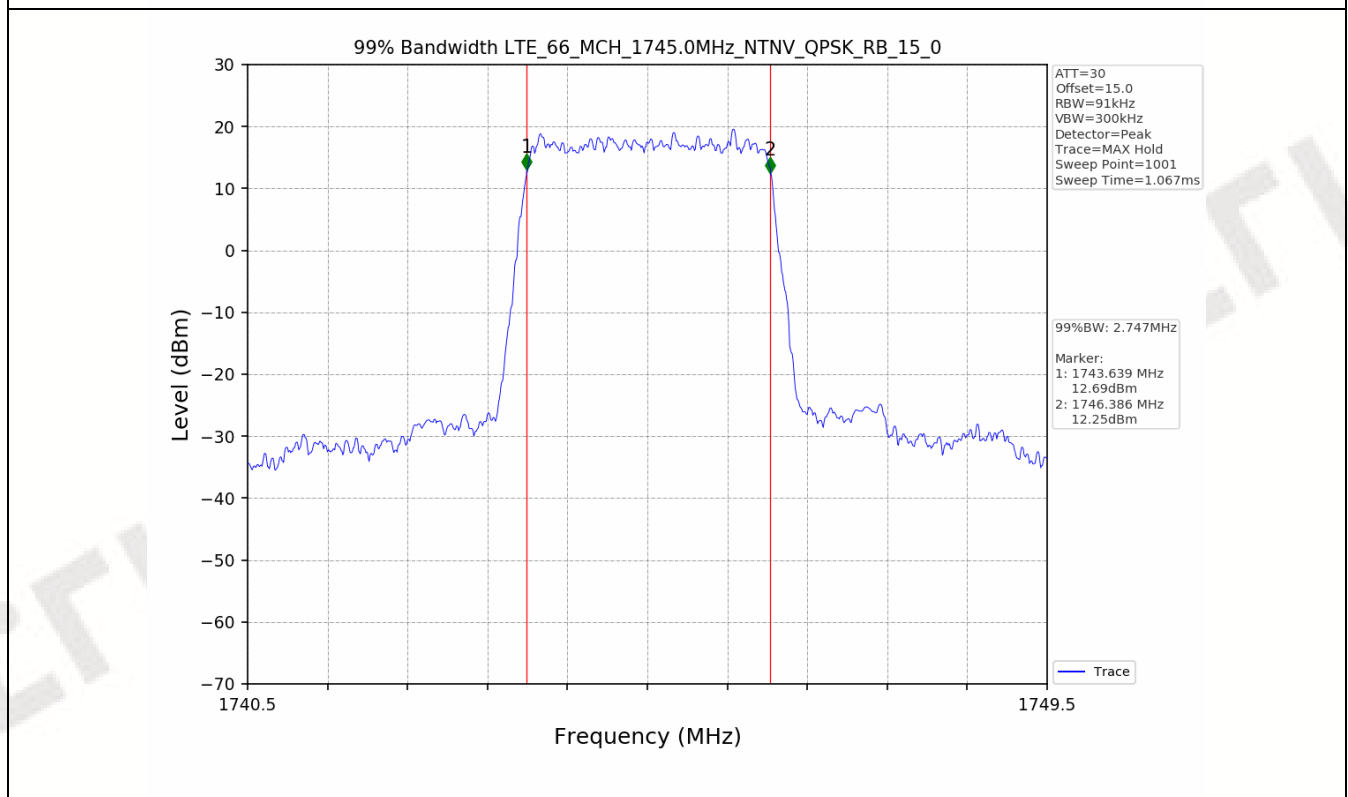
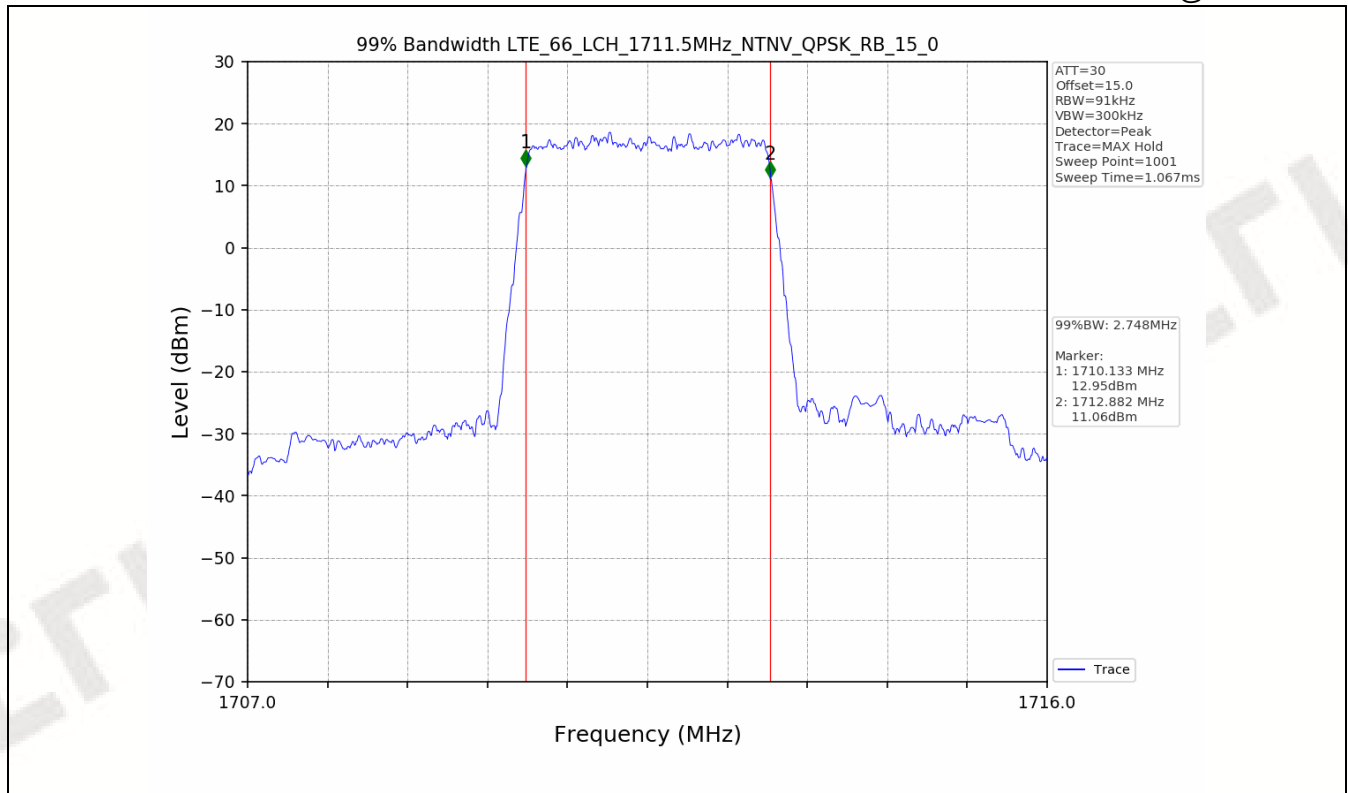


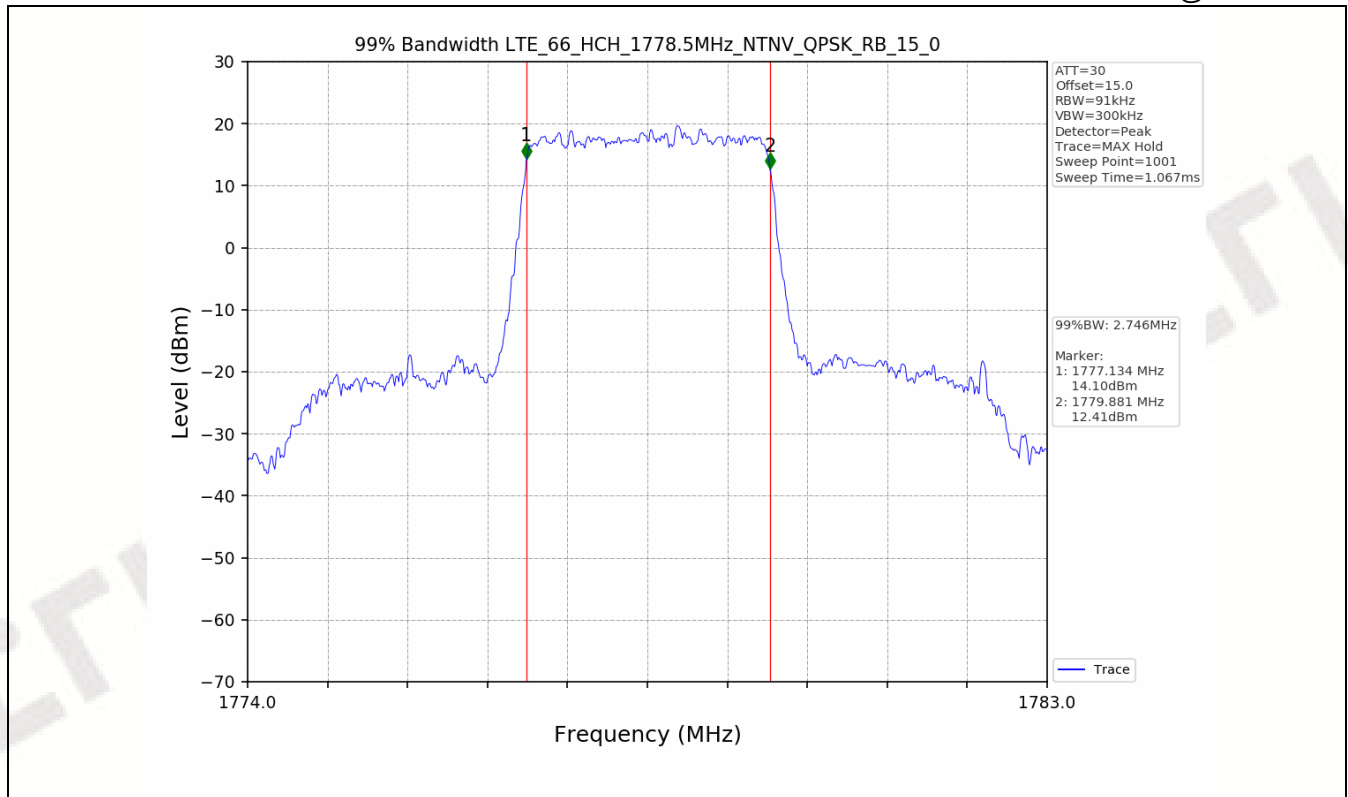
Test Band: 66_3MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.748	2.747	2.746	N/A	PASS
16QAM	15	0	2.741	2.736	2.732	N/A	PASS

4.2 Test Graph



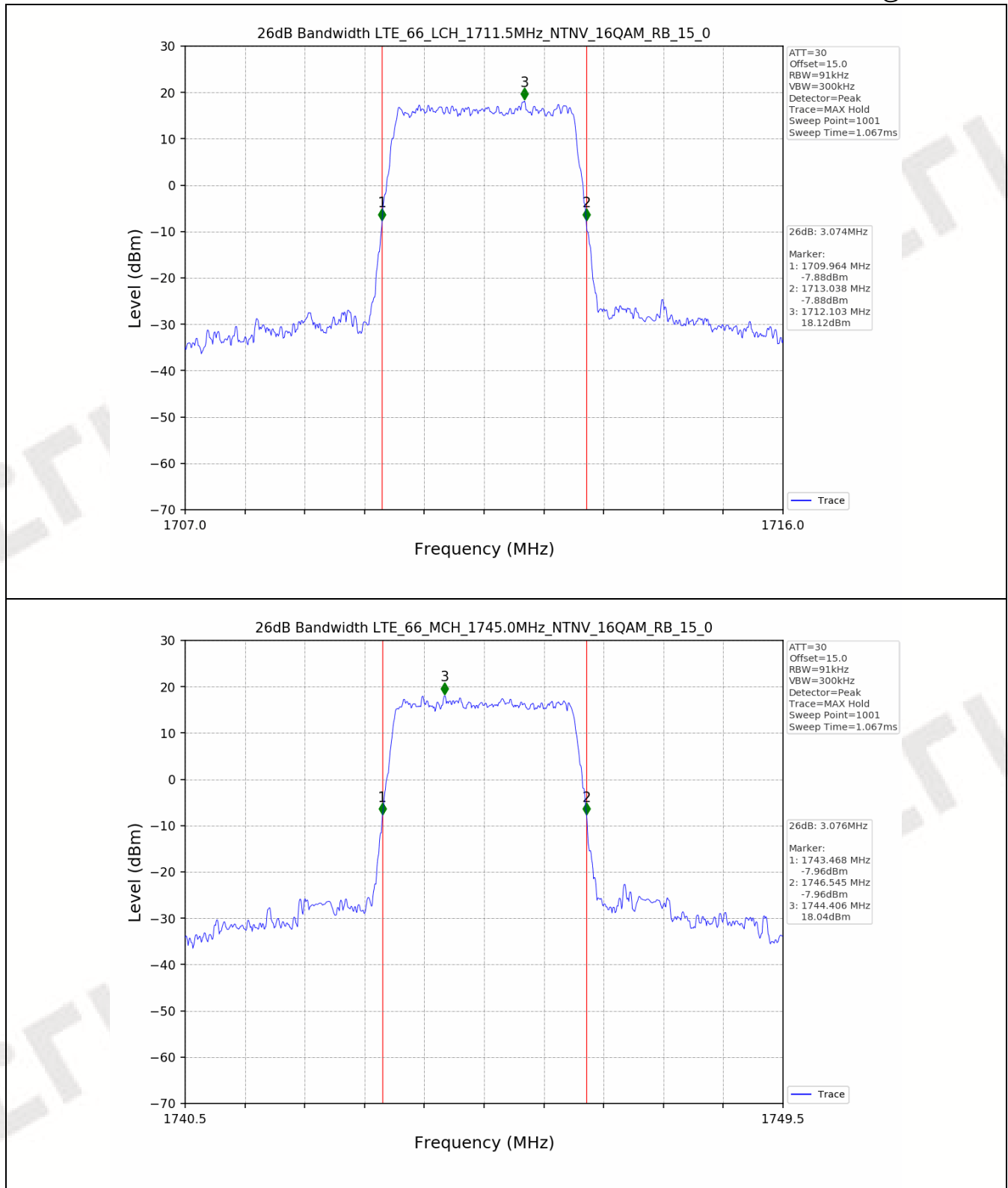


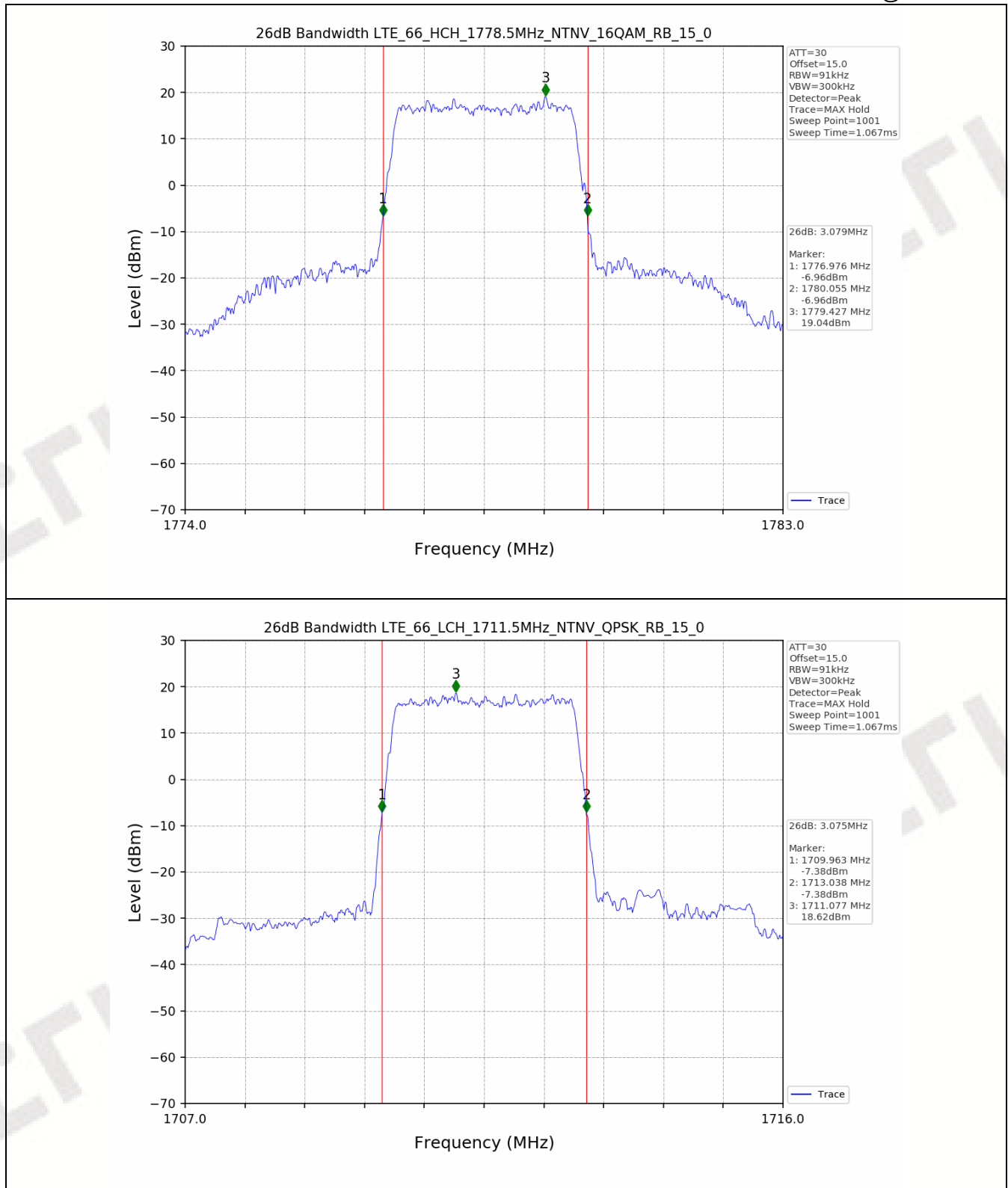


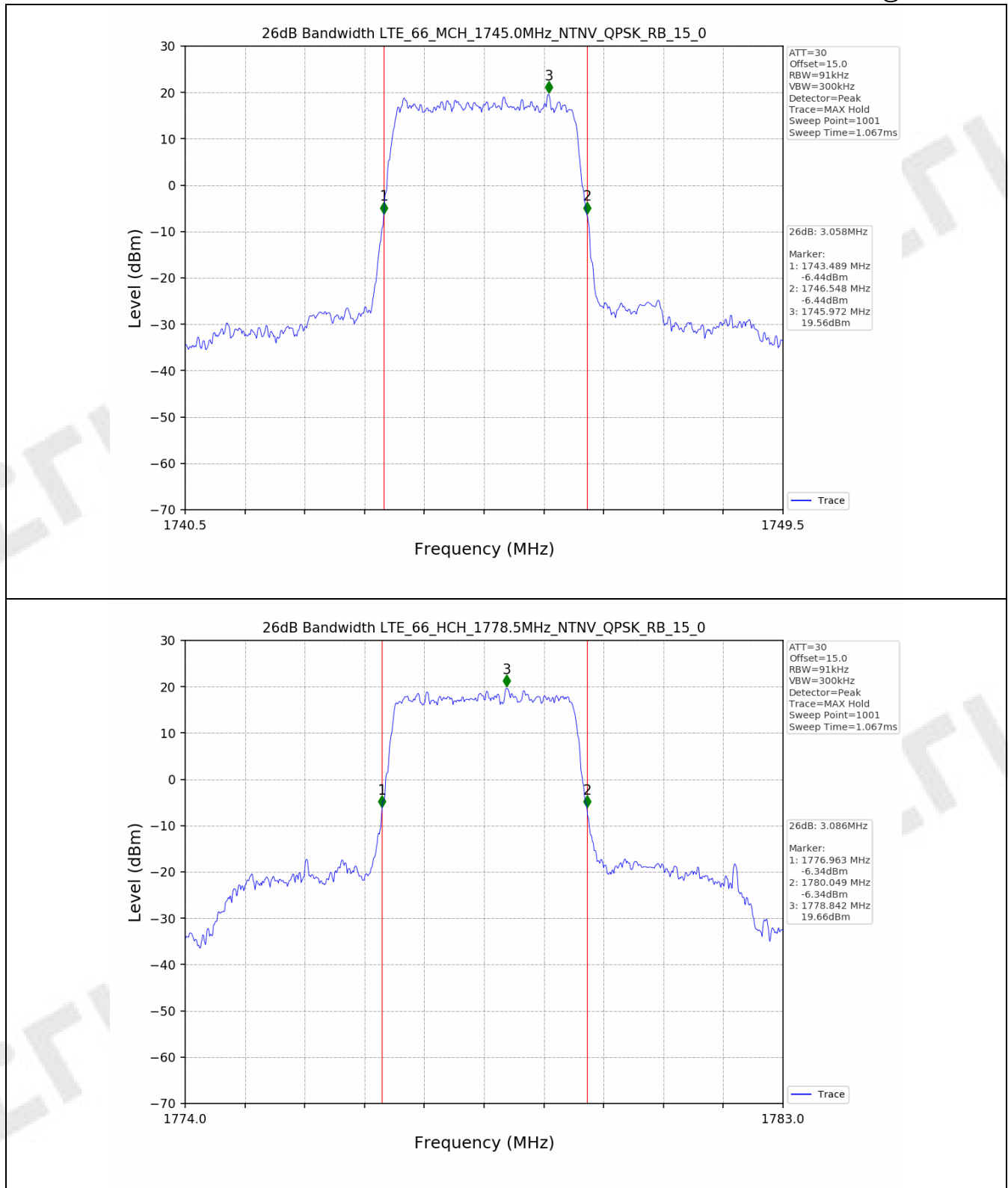


Test Band: 66_3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	3.075	3.058	3.086	N/A	PASS
16QAM	15	0	3.074	3.076	3.079	N/A	PASS

4.2 Test Graph



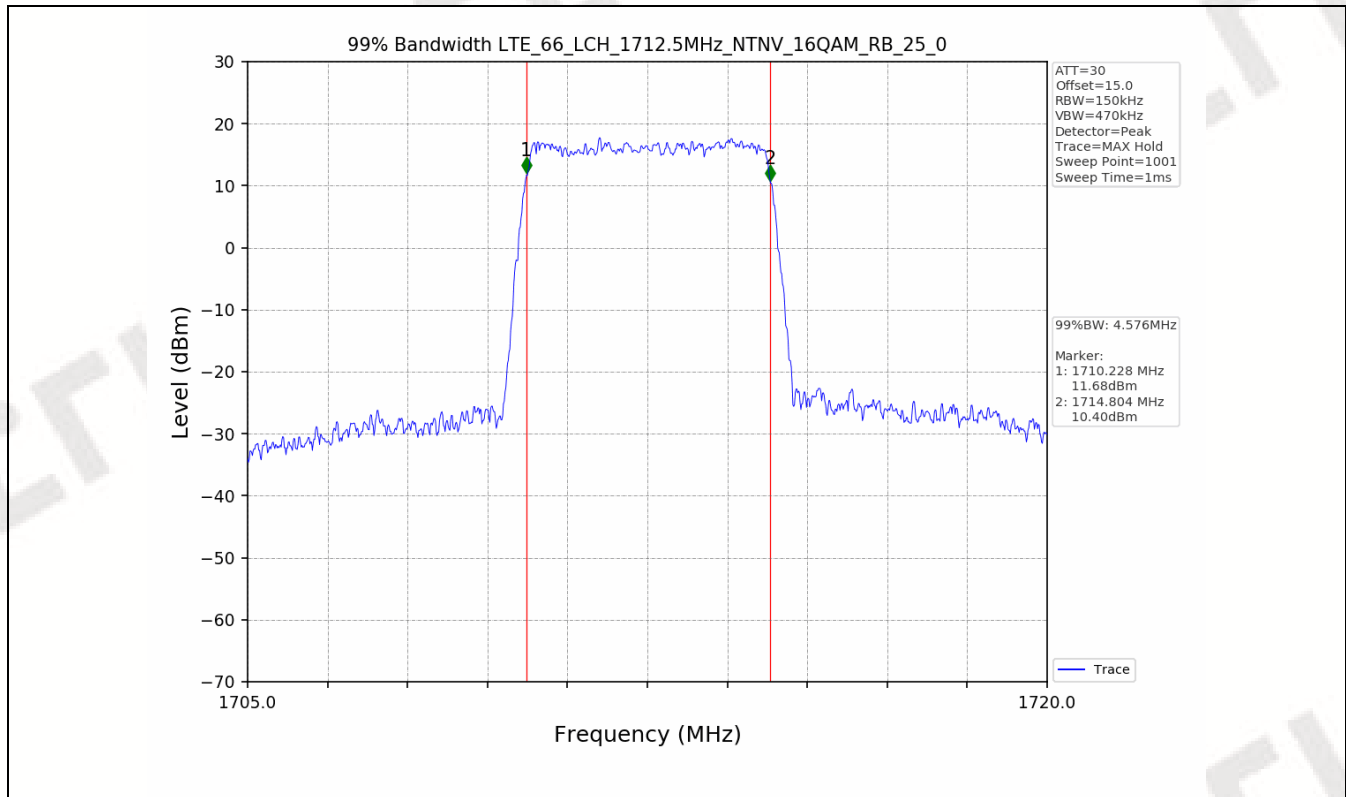


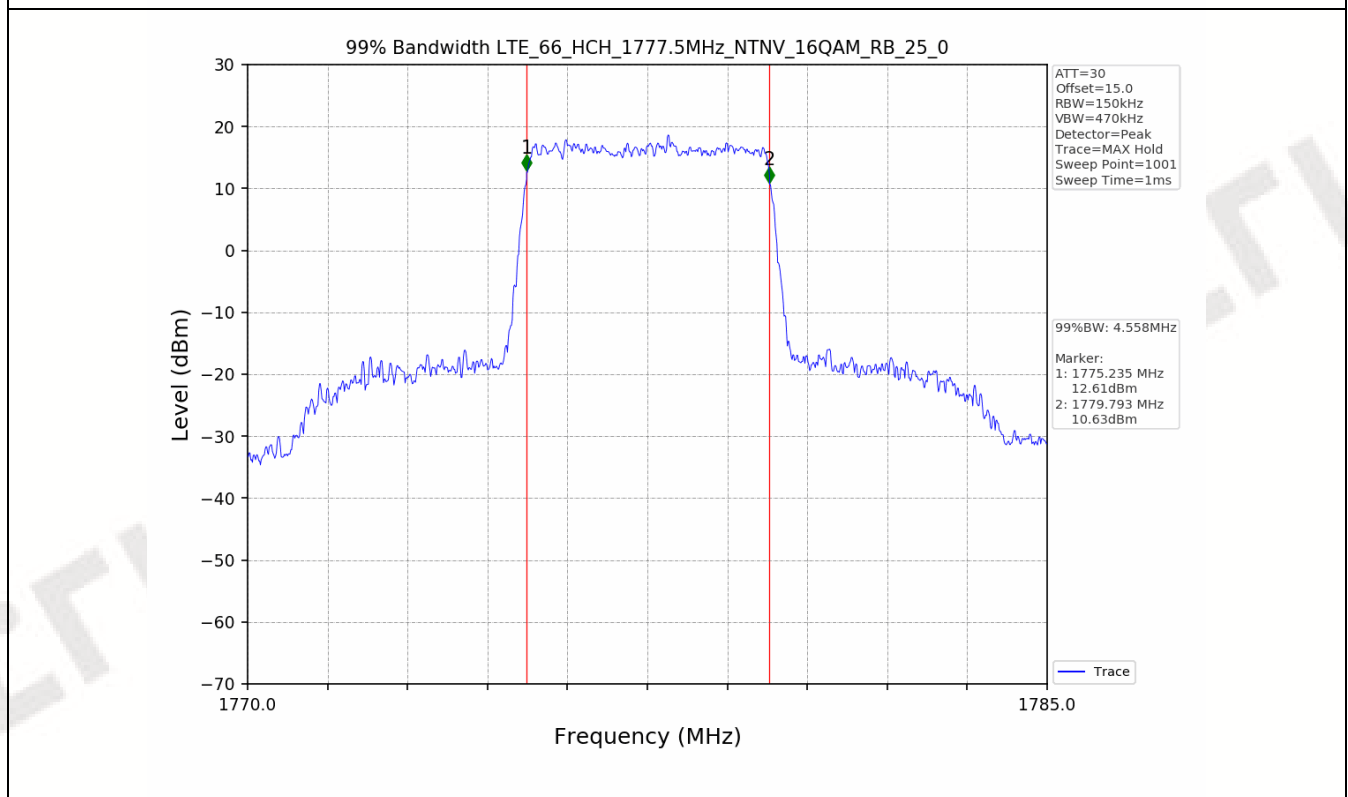
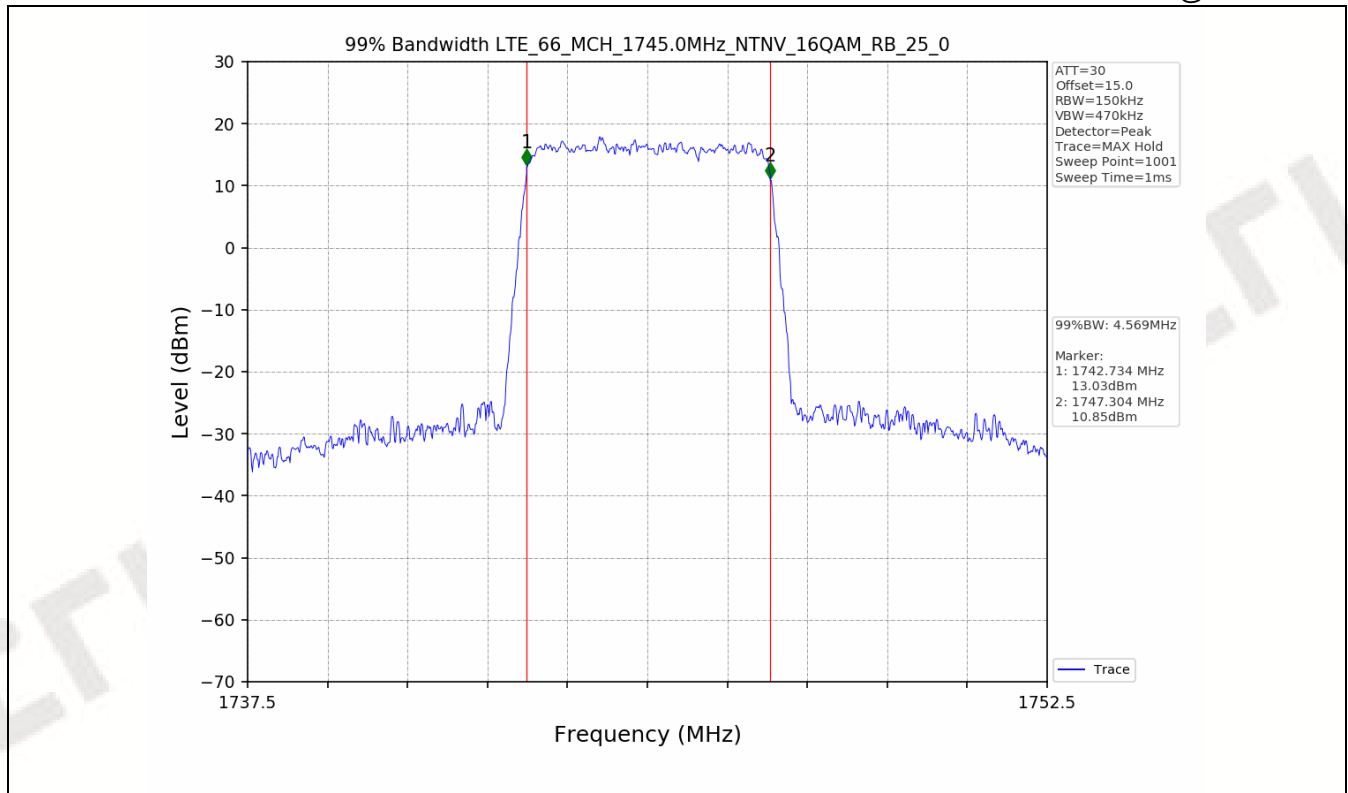


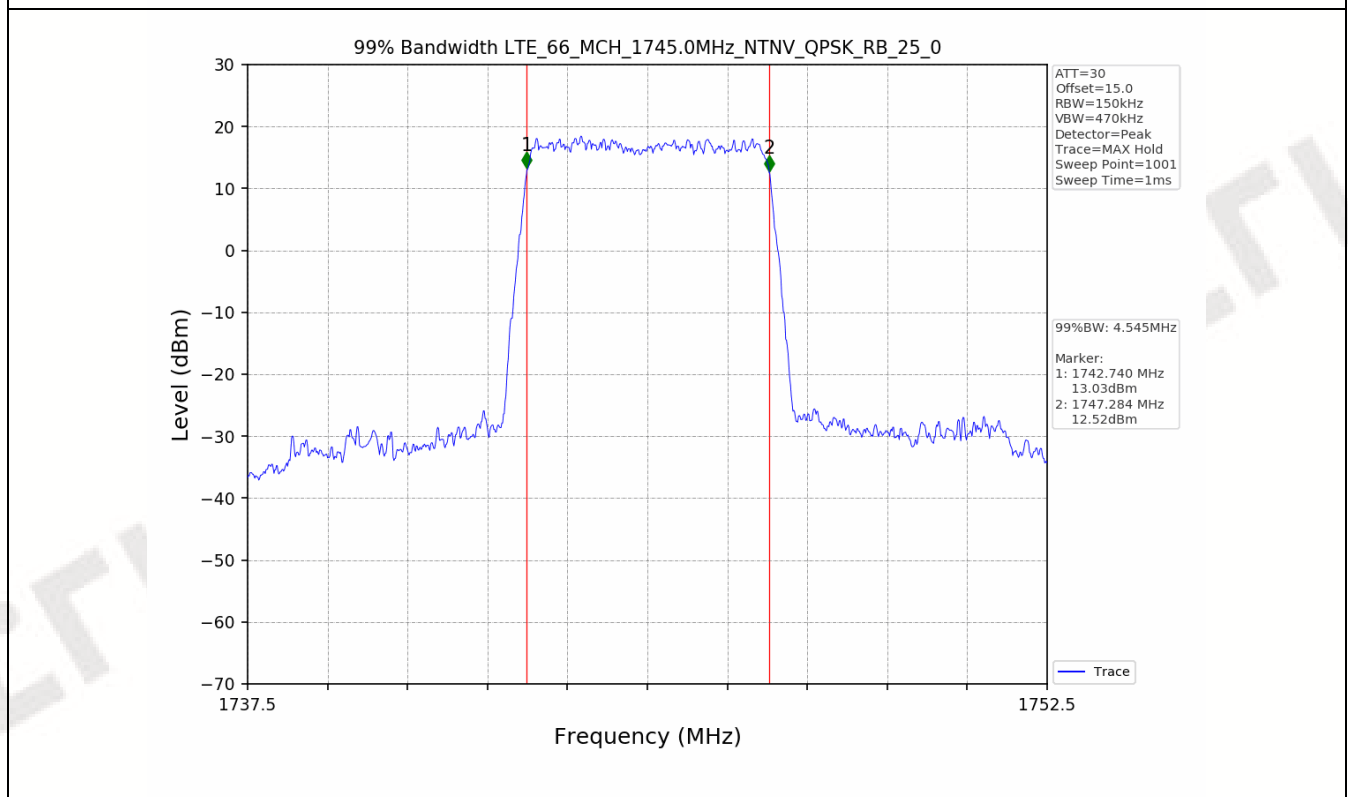
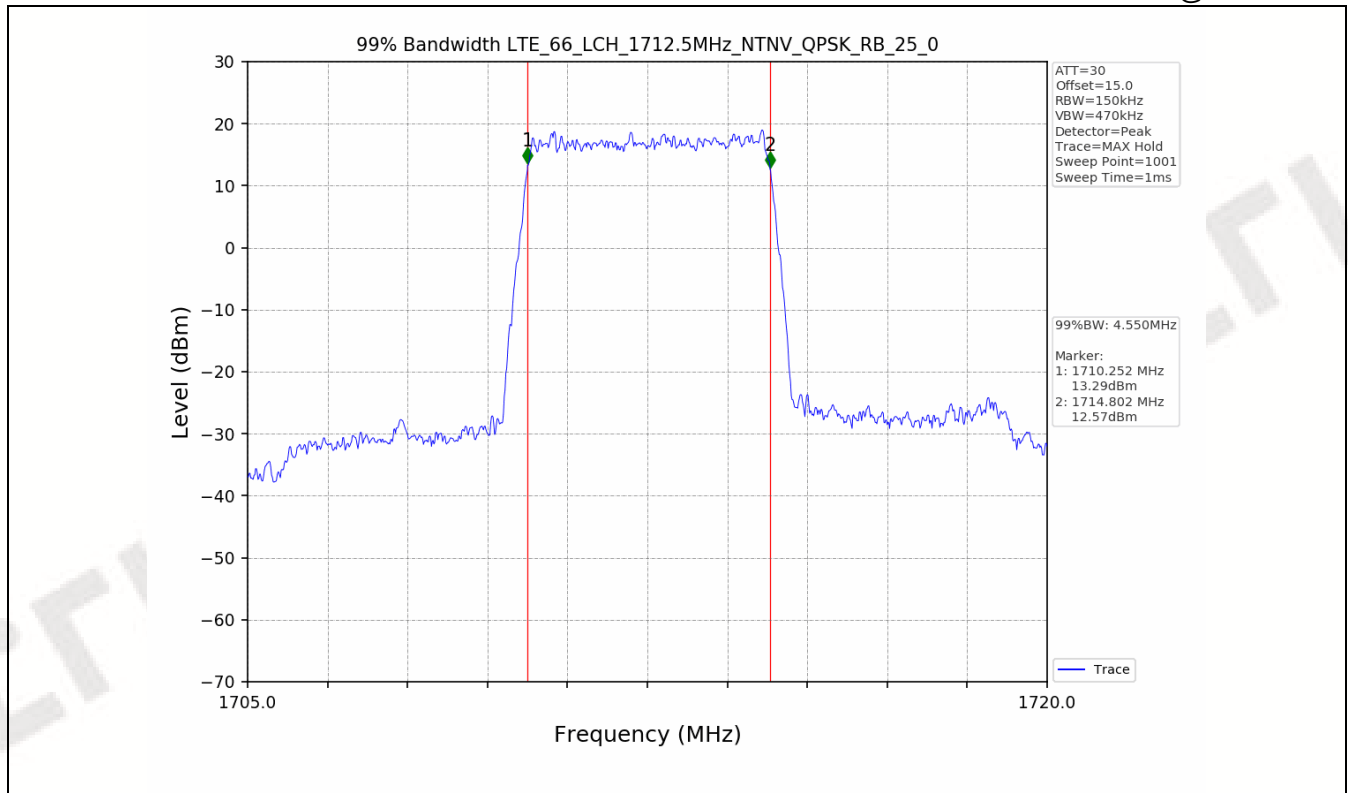


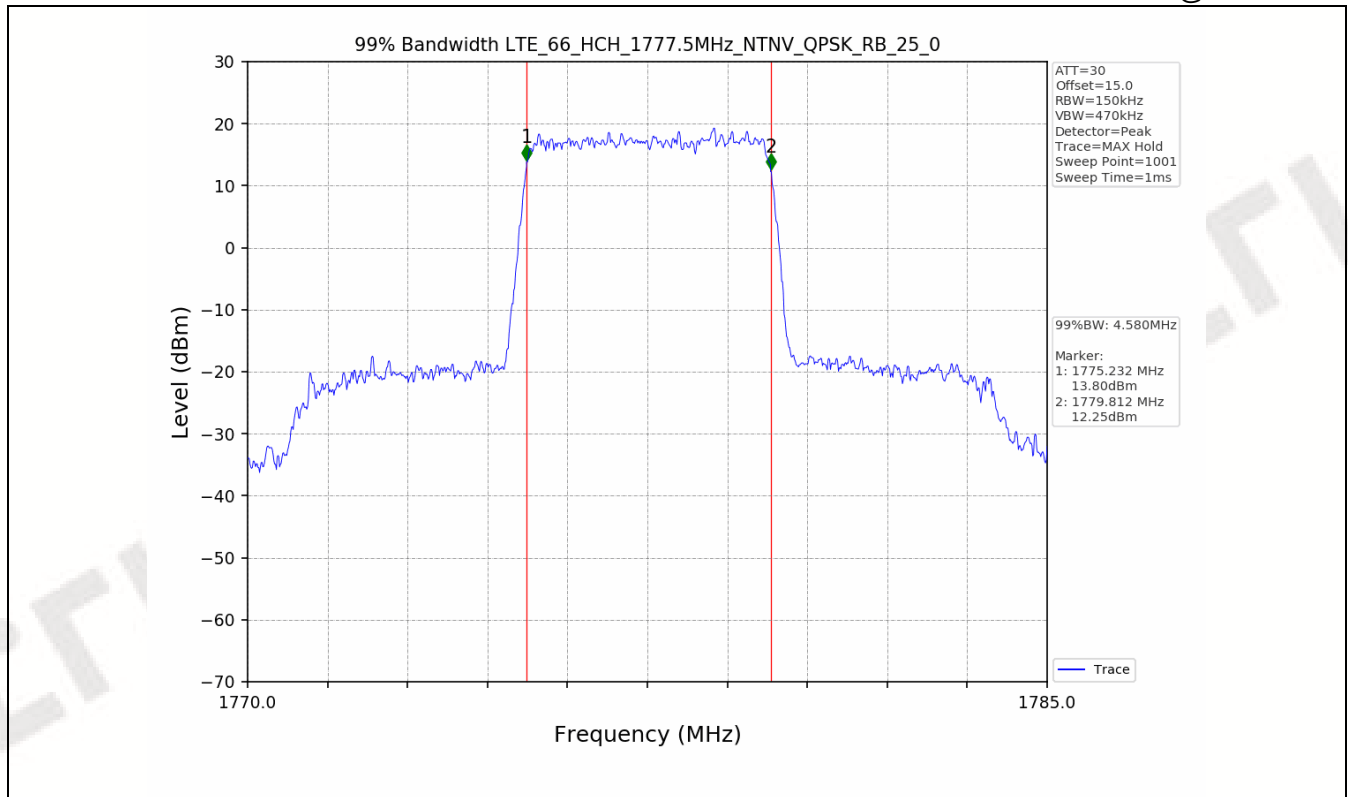
Test Band: 66_5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.550	4.545	4.580	N/A	PASS
16QAM	25	0	4.576	4.569	4.558	N/A	PASS

4.2 Test Graph



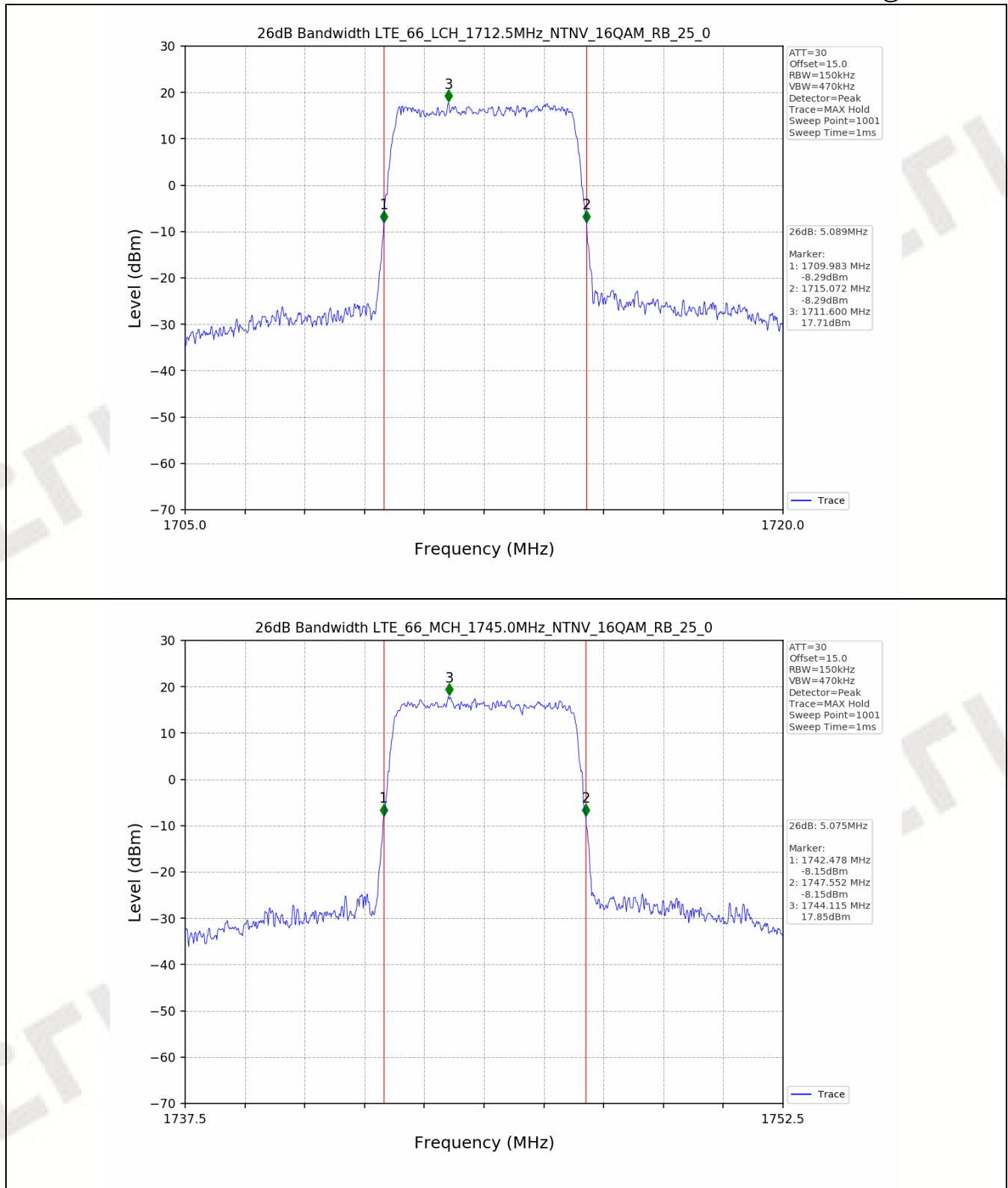


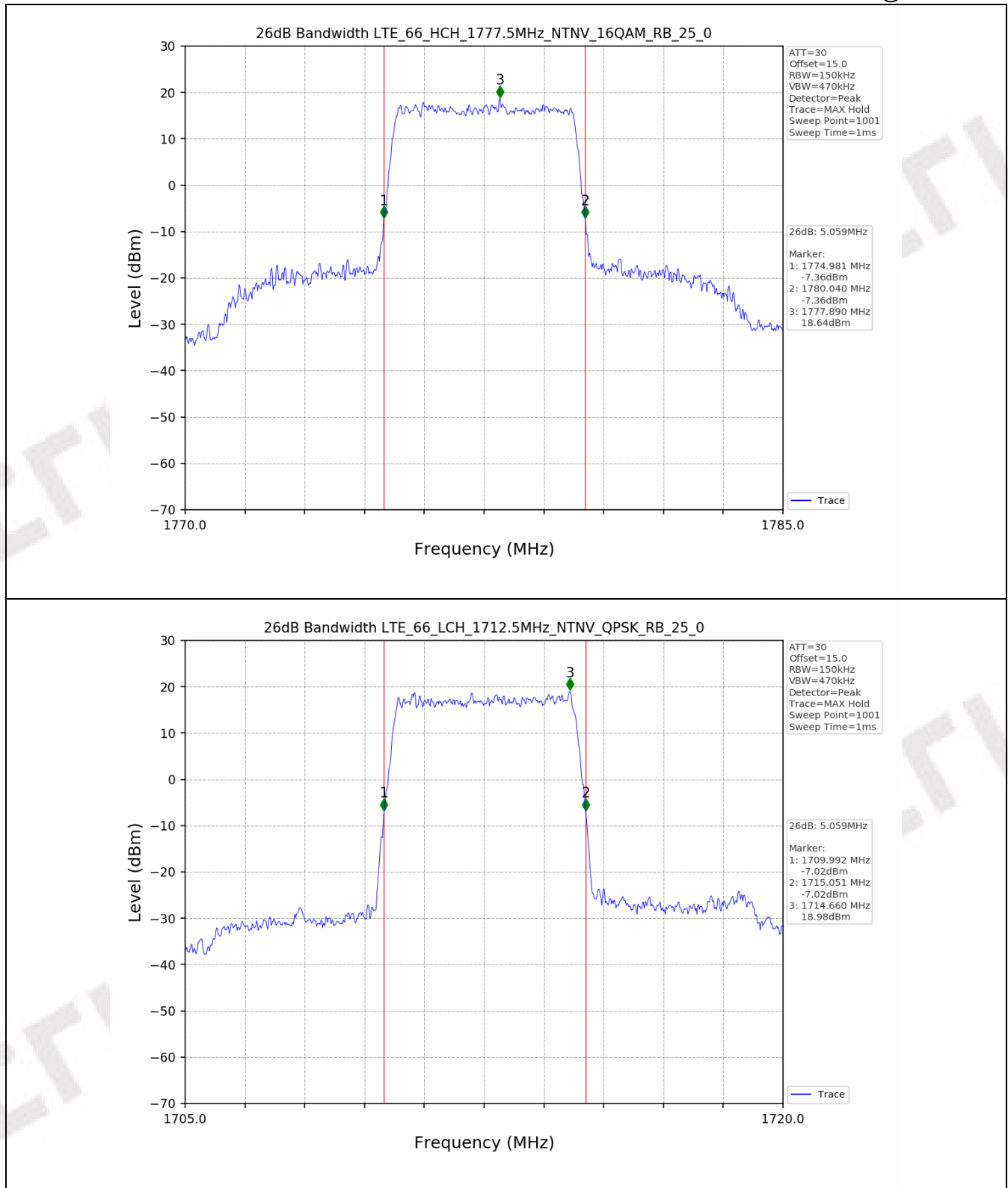


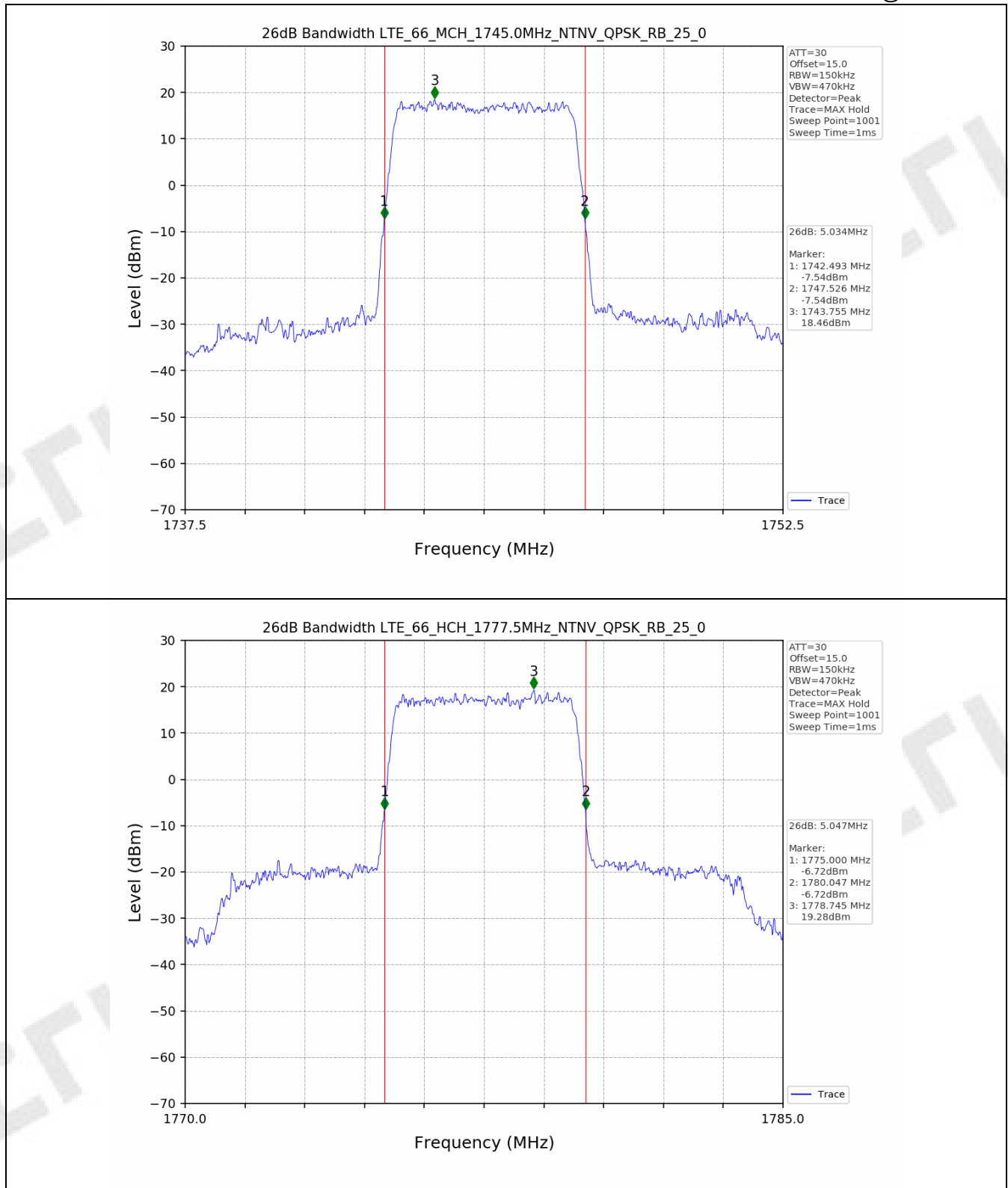


Test Band: 66_5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.059	5.034	5.047	N/A	PASS
16QAM	25	0	5.089	5.075	5.059	N/A	PASS

4.2 Test Graph



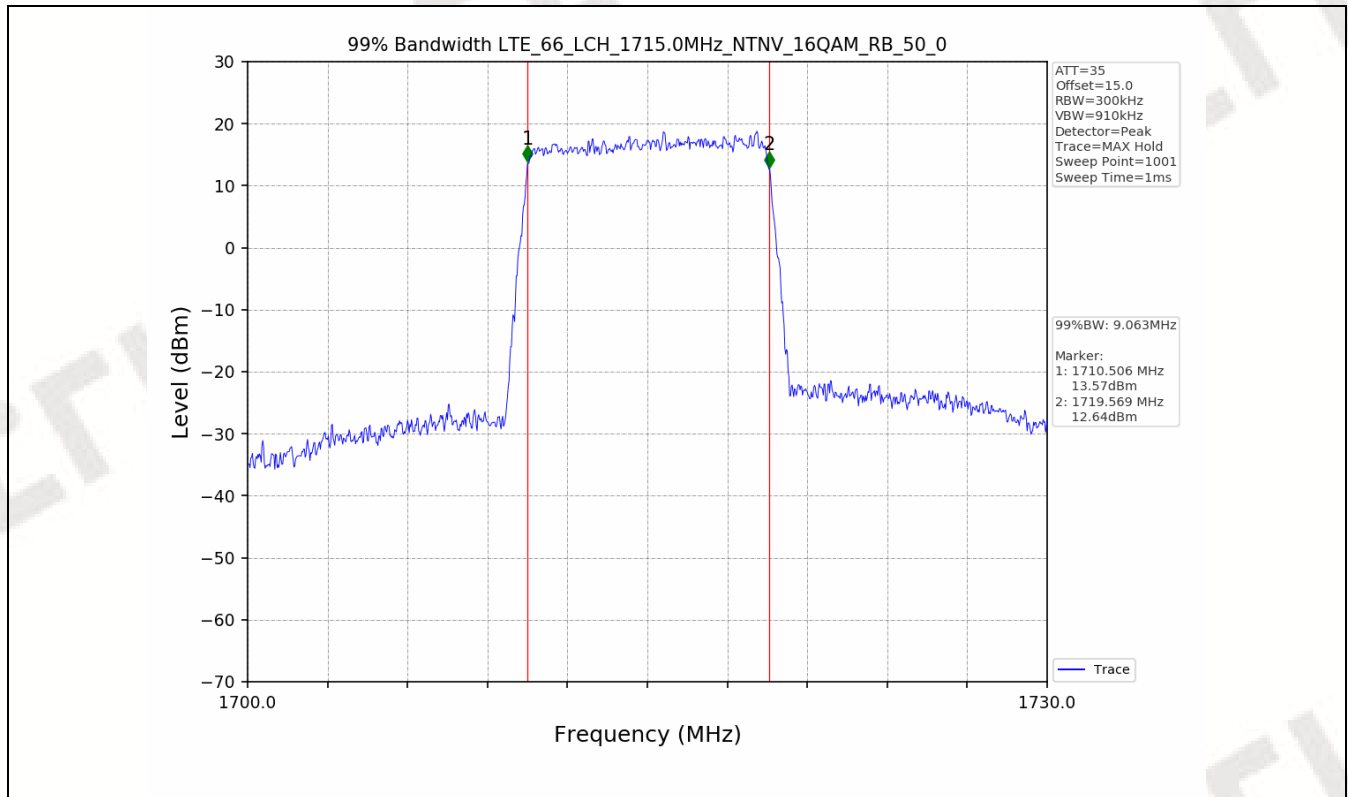


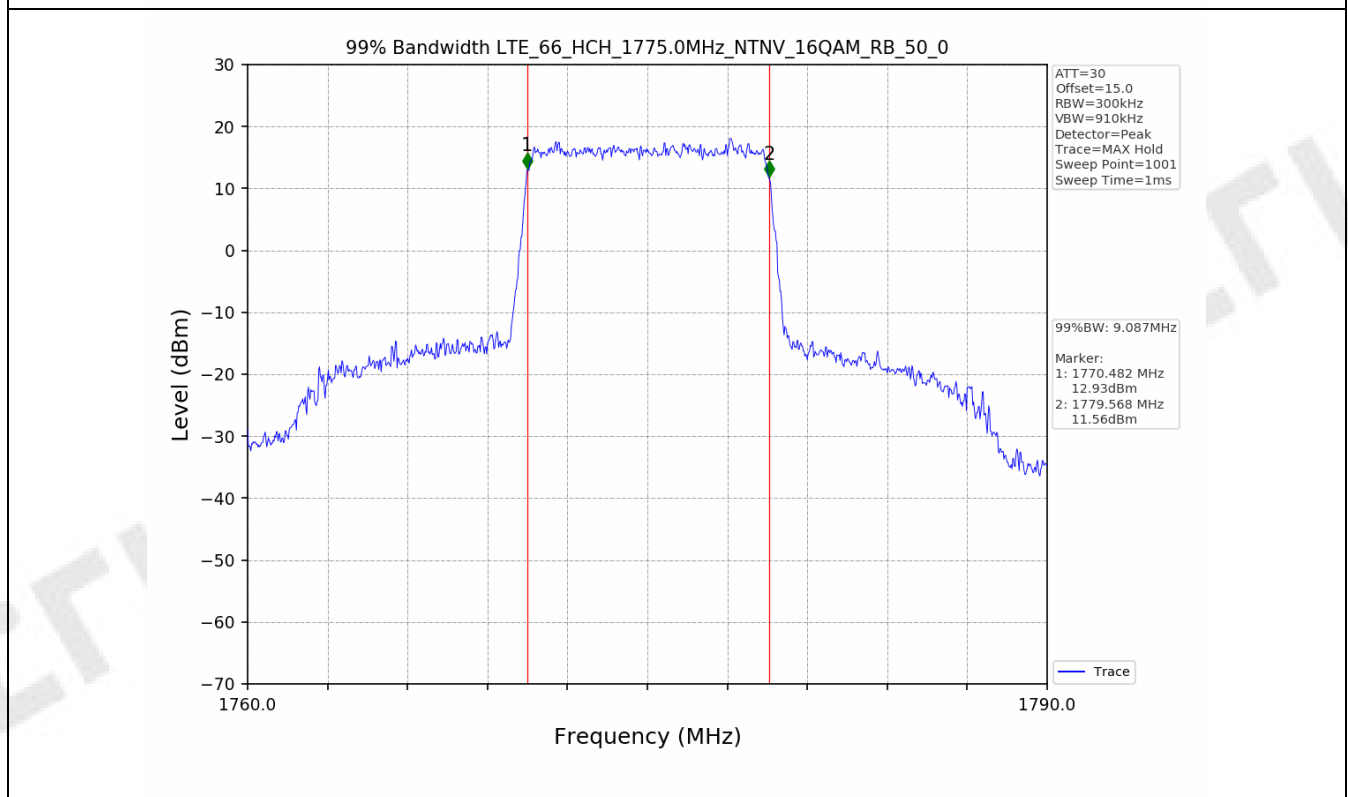
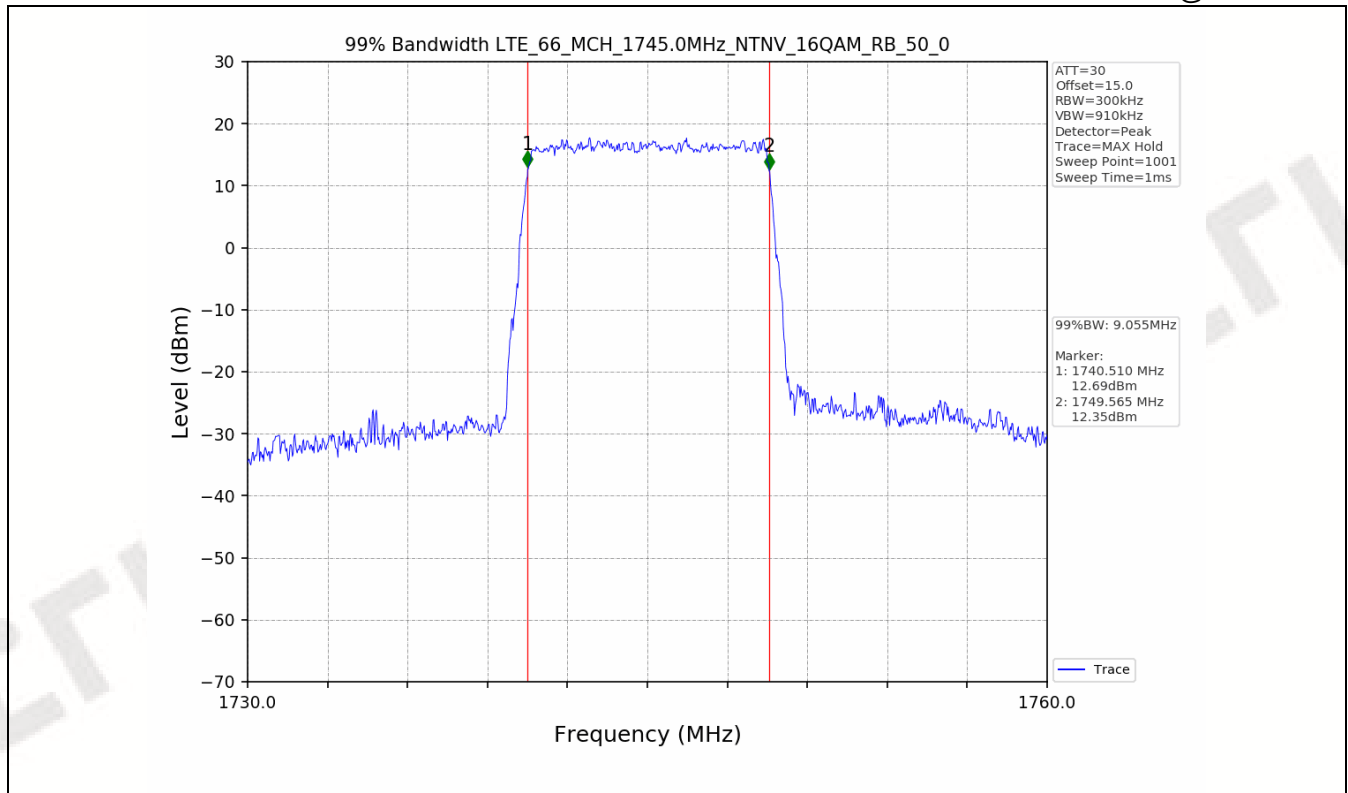


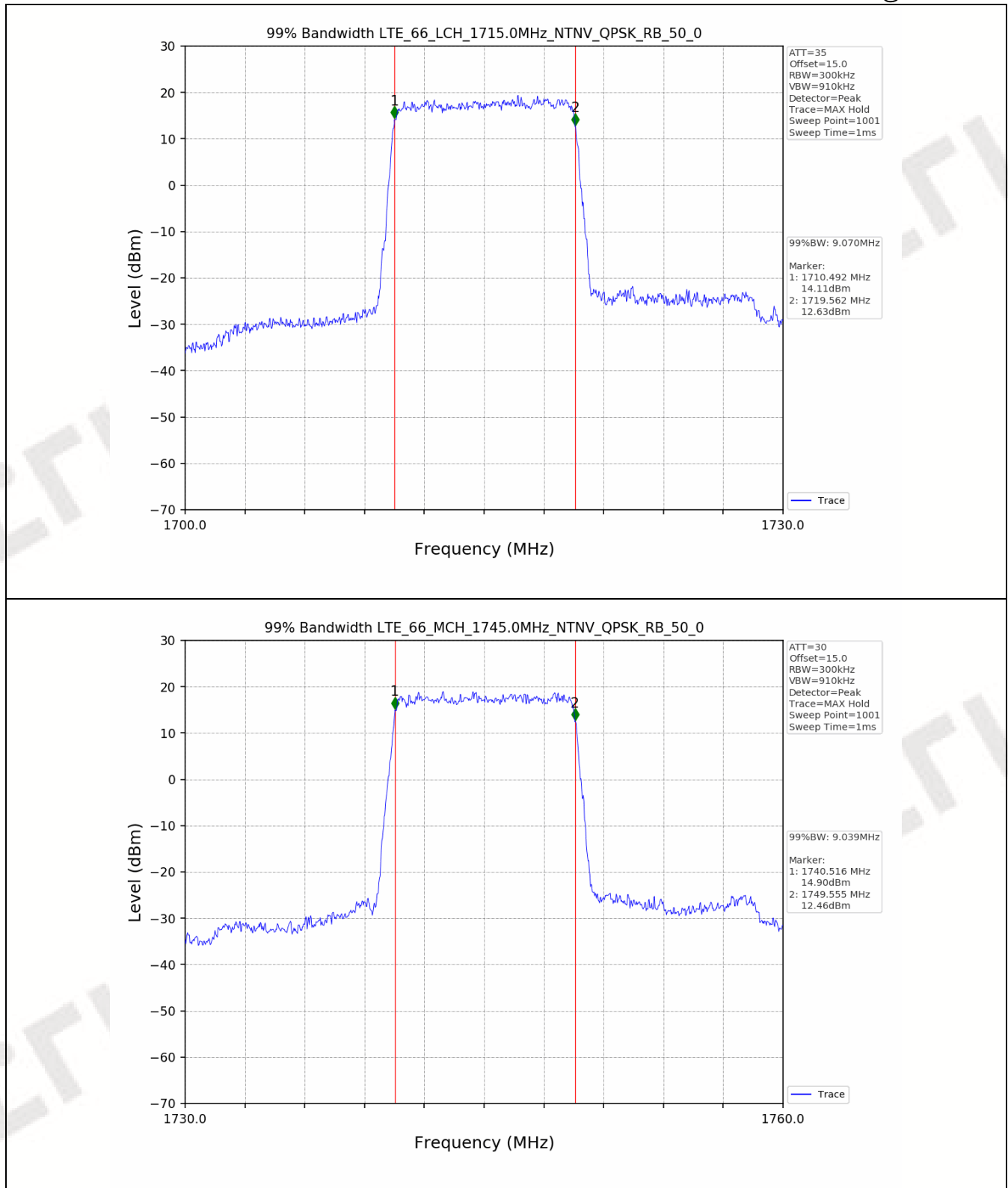


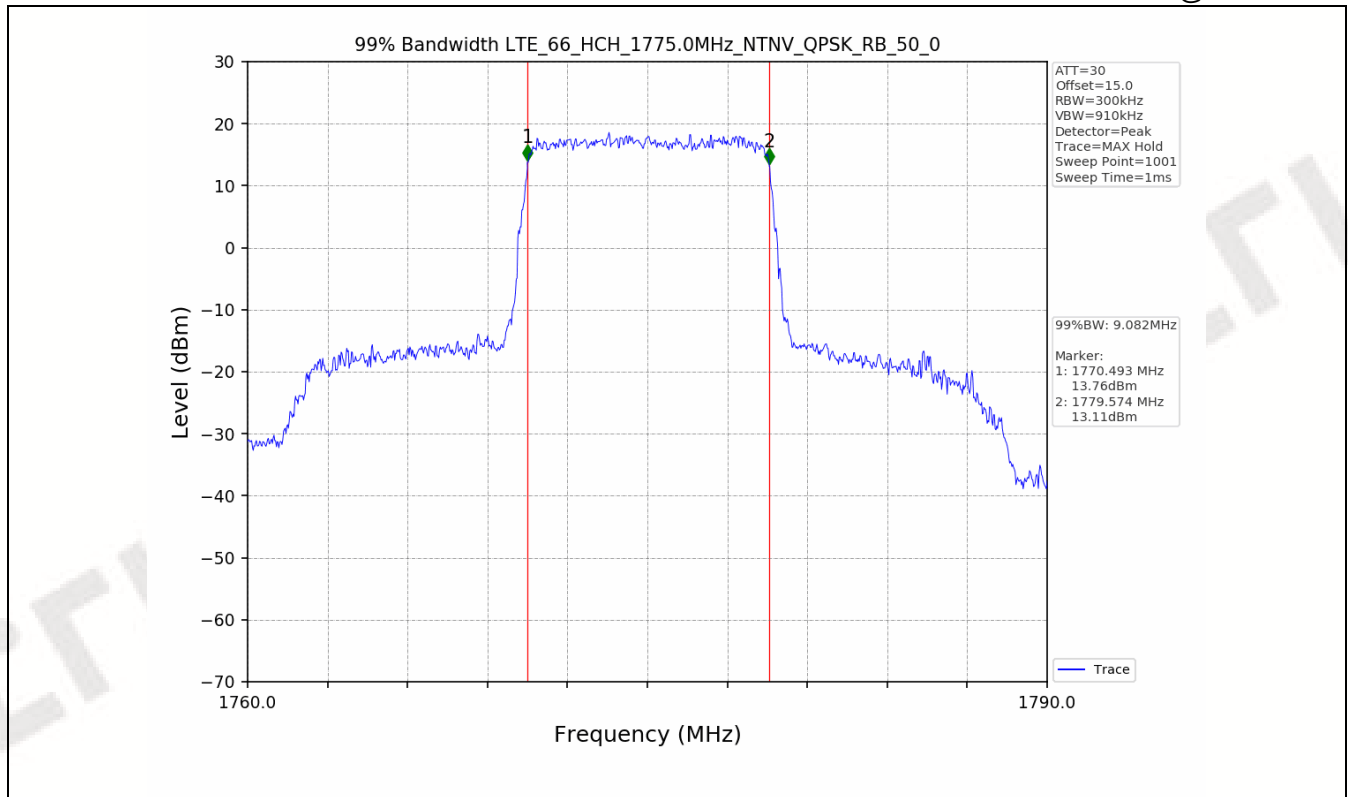
Test Band: 66_10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.070	9.039	9.082	N/A	PASS
16QAM	50	0	9.063	9.055	9.087	N/A	PASS

4.2 Test Graph



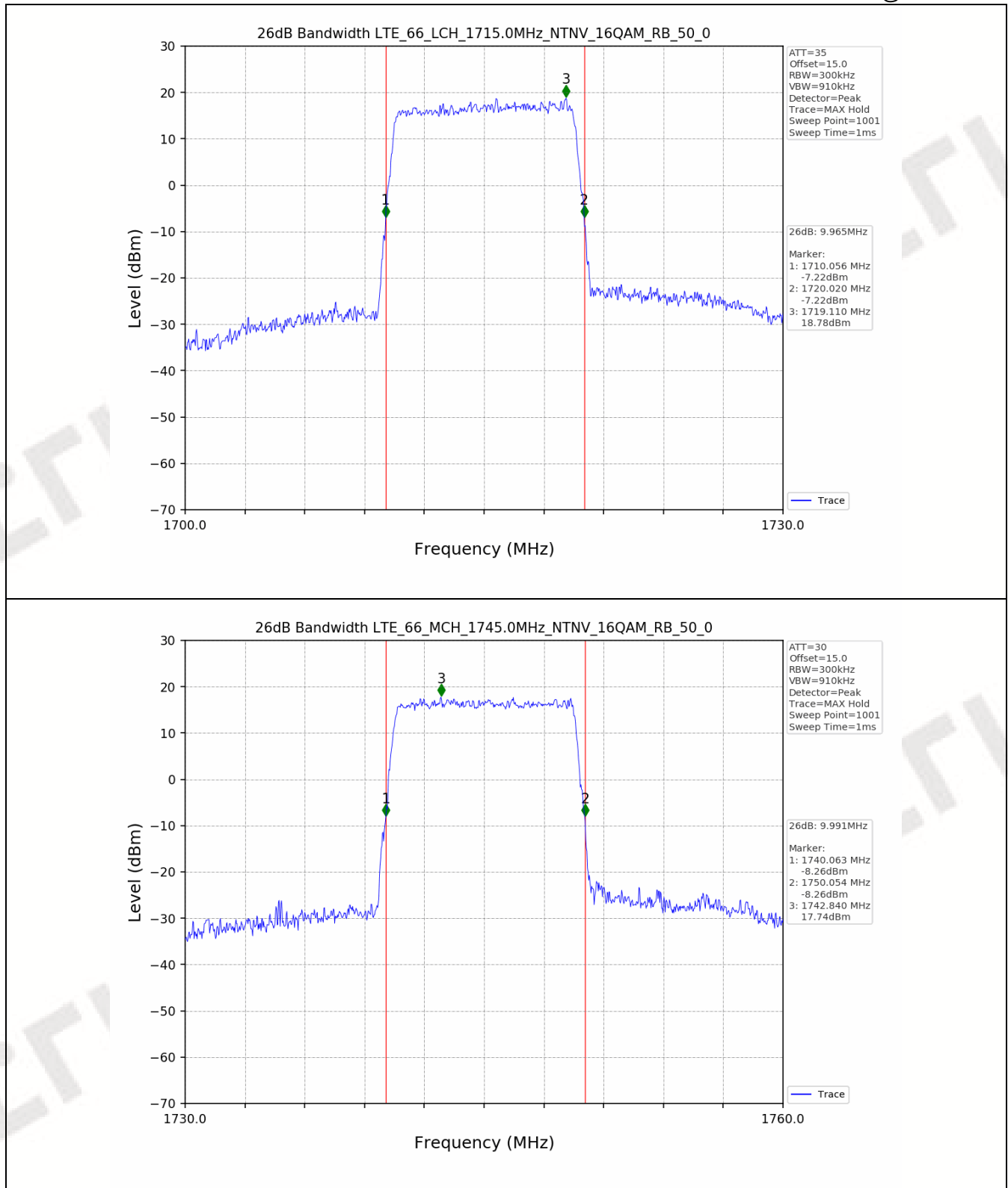


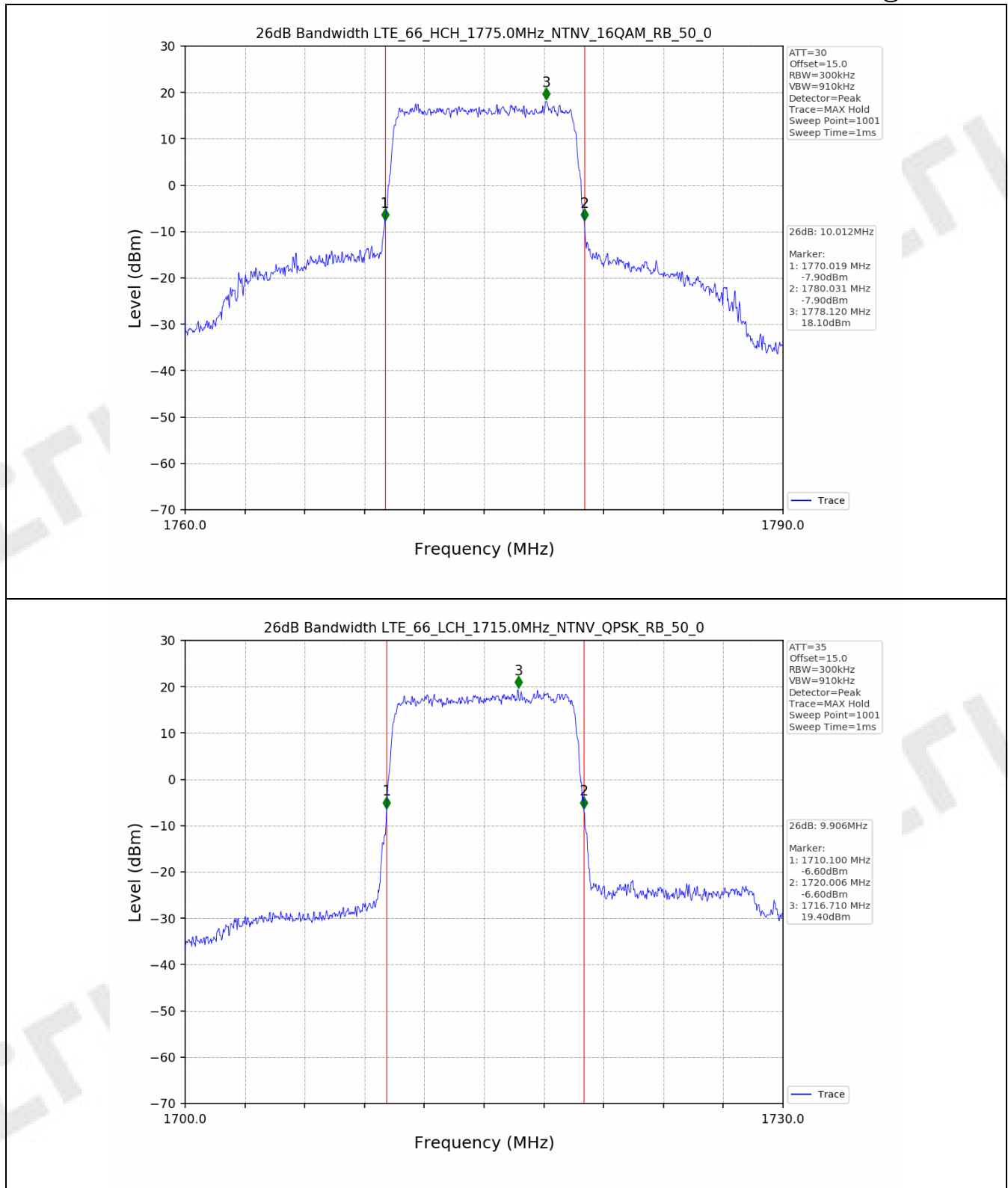


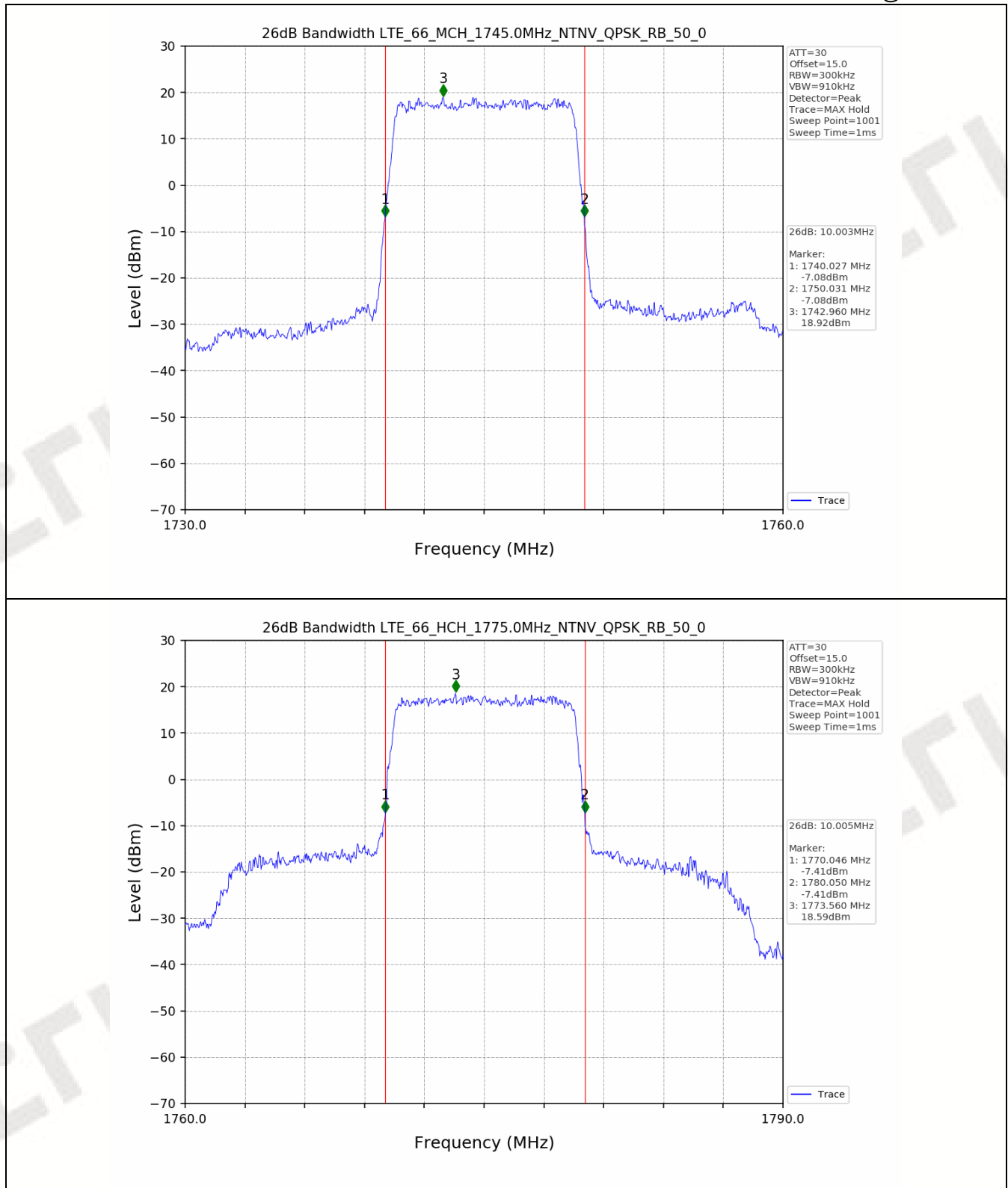


Test Band: 66_10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.906	10.003	10.005	N/A	PASS
16QAM	50	0	9.965	9.991	10.012	N/A	PASS

4.2 Test Graph



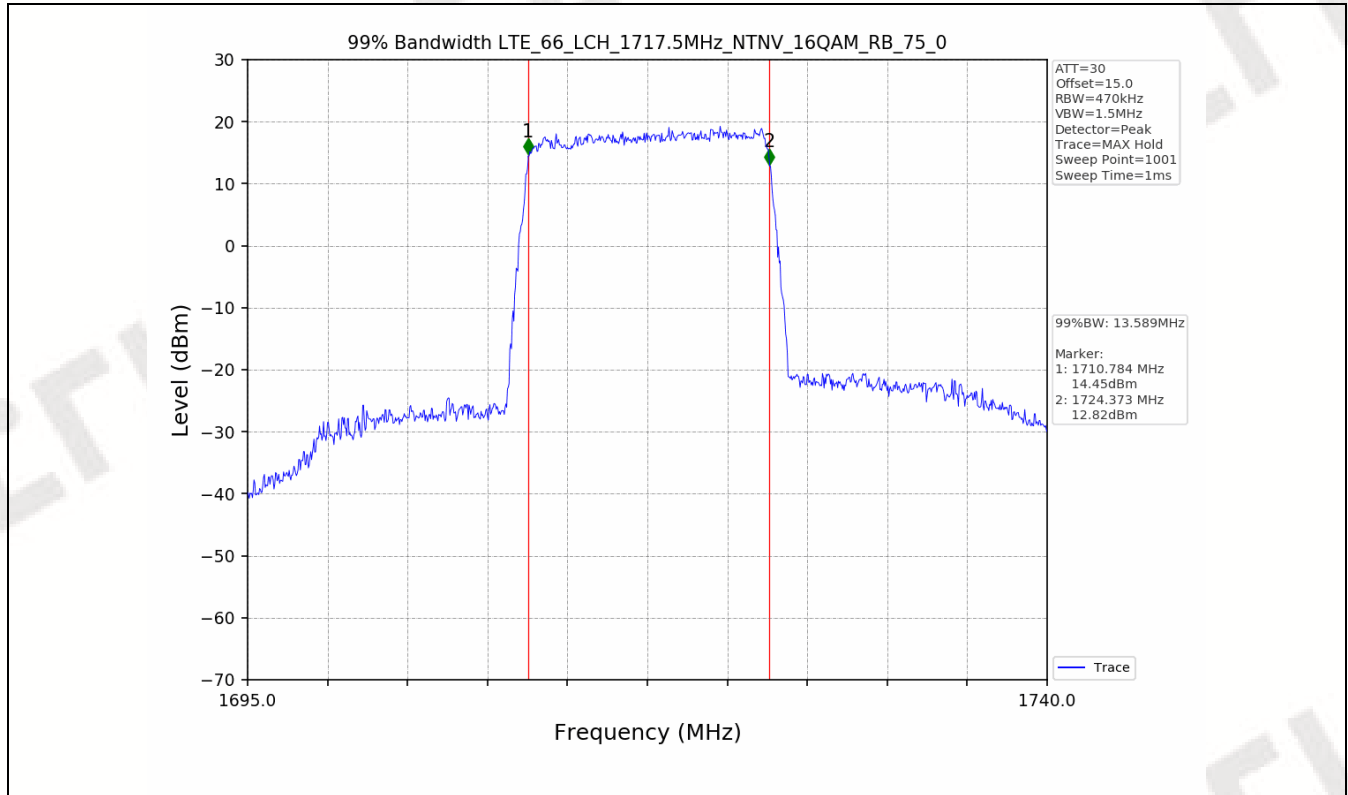


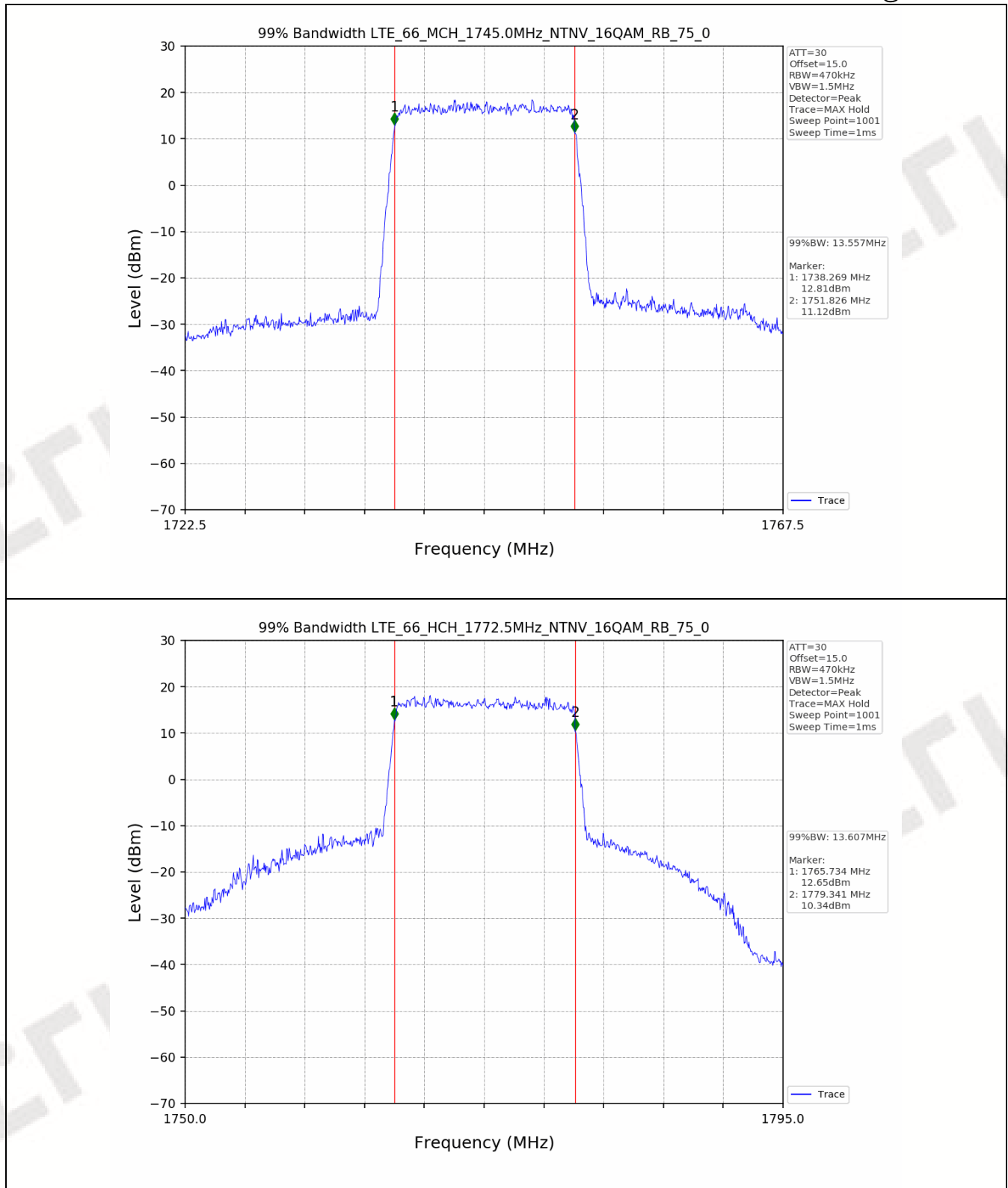


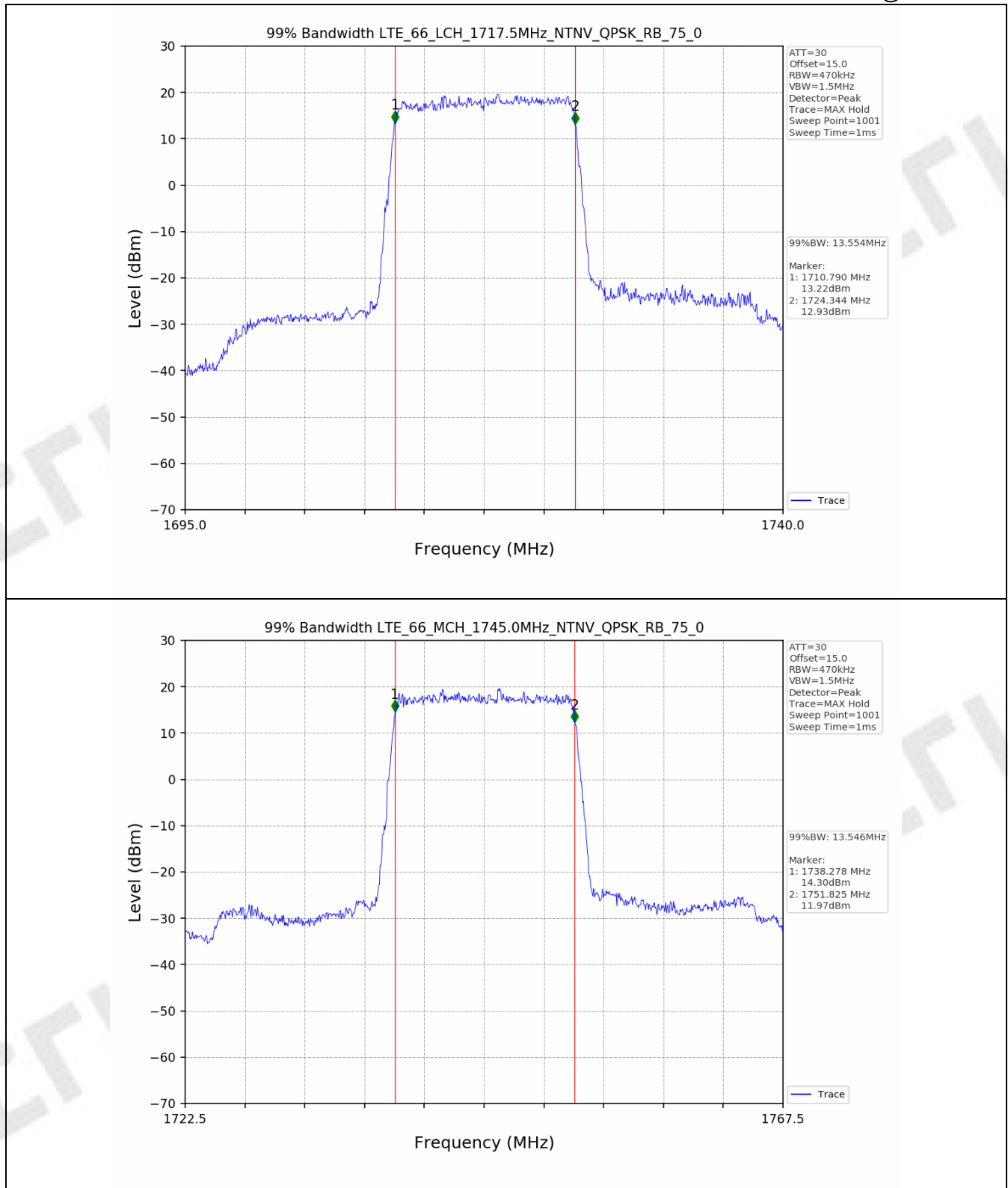


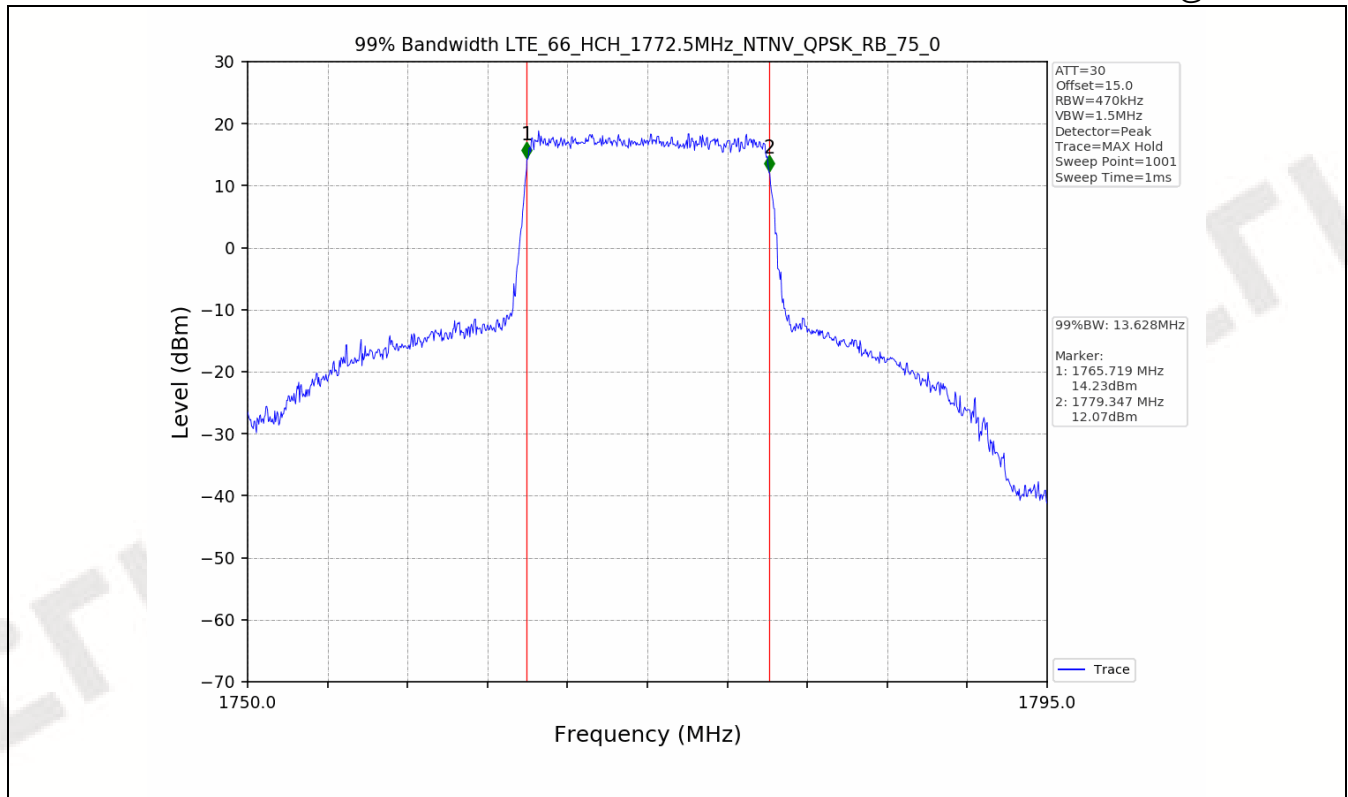
Test Band: 66_15MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	13.554	13.546	13.628	N/A	PASS
16QAM	75	0	13.589	13.557	13.607	N/A	PASS

4.2 Test Graph



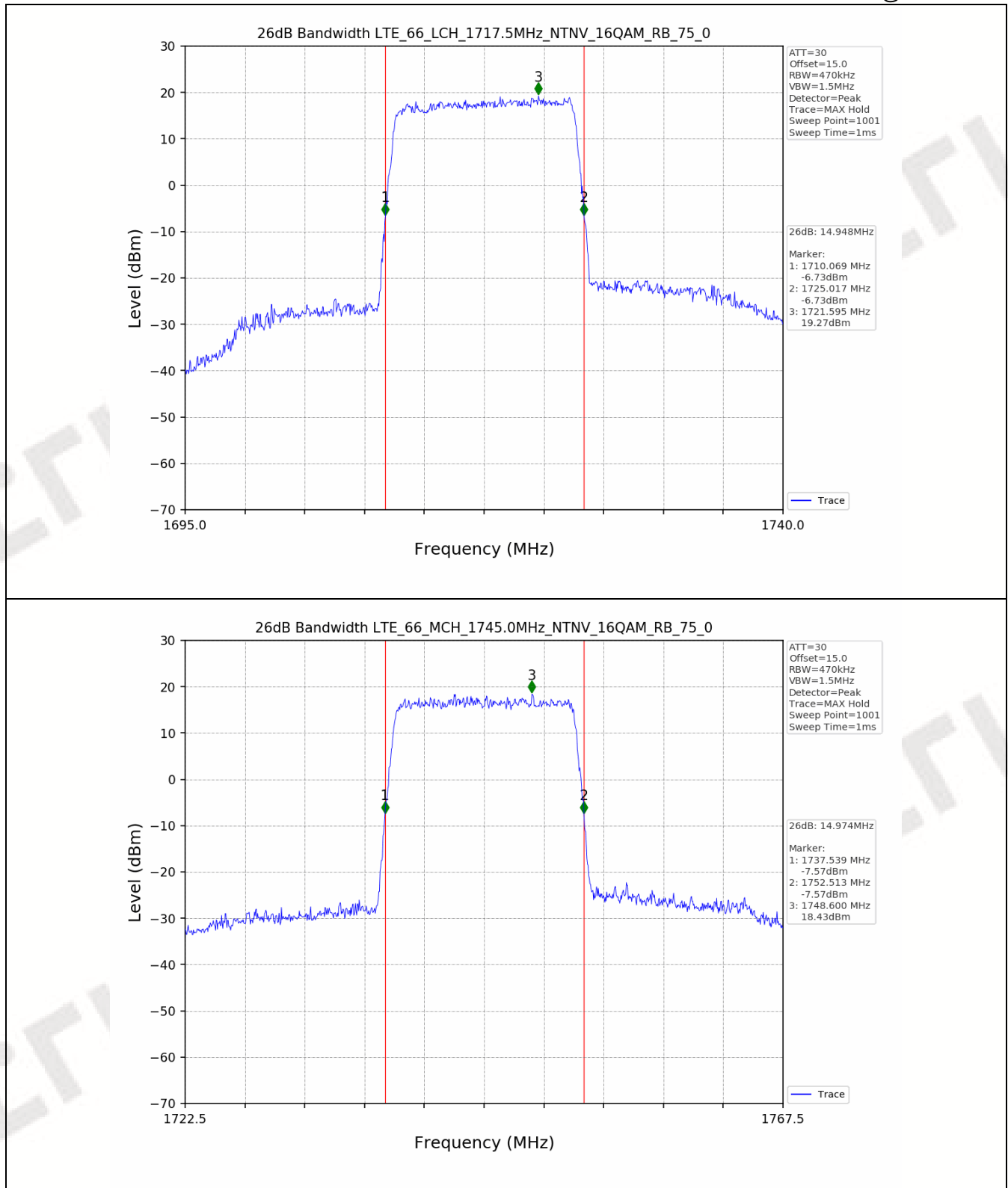


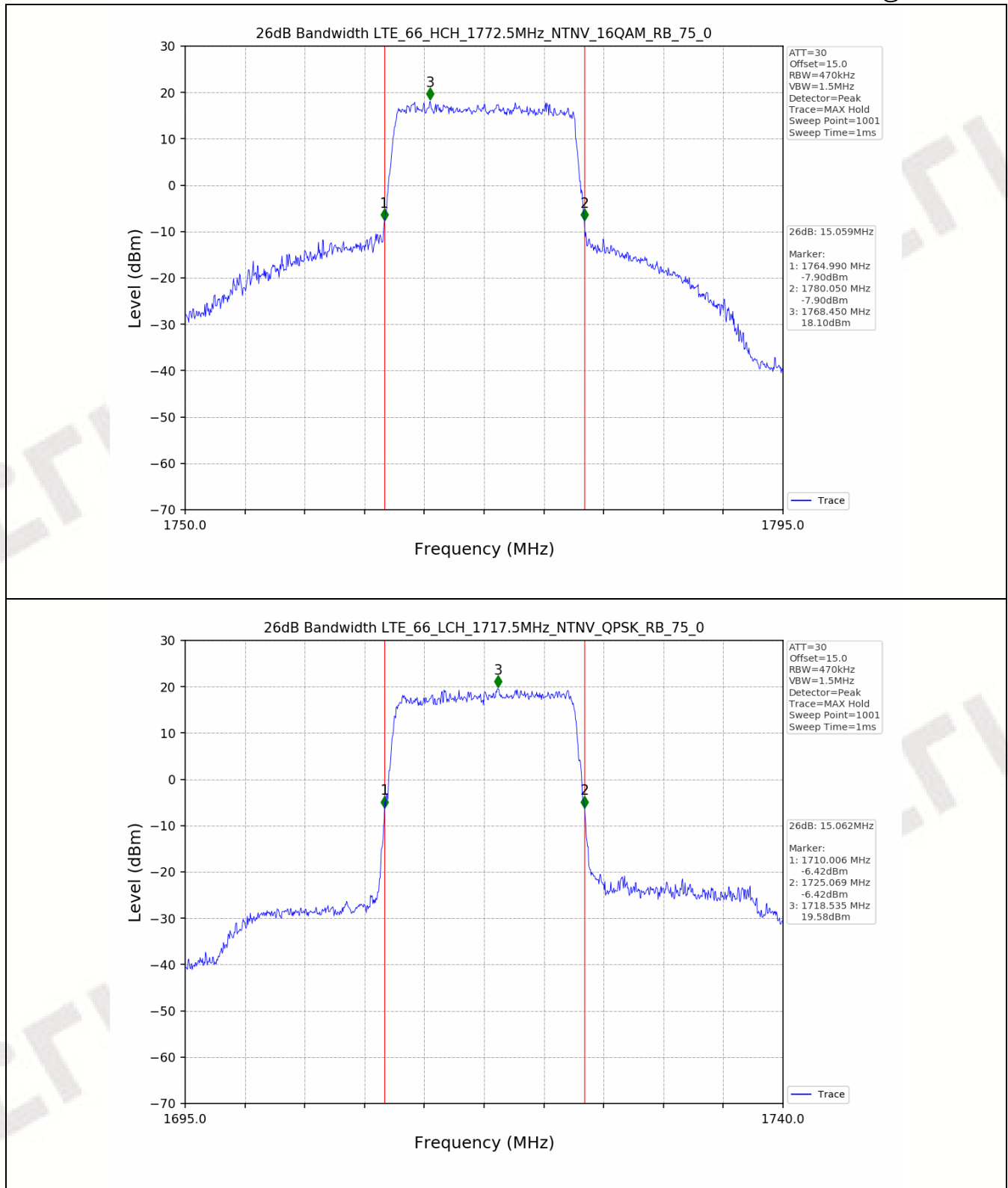


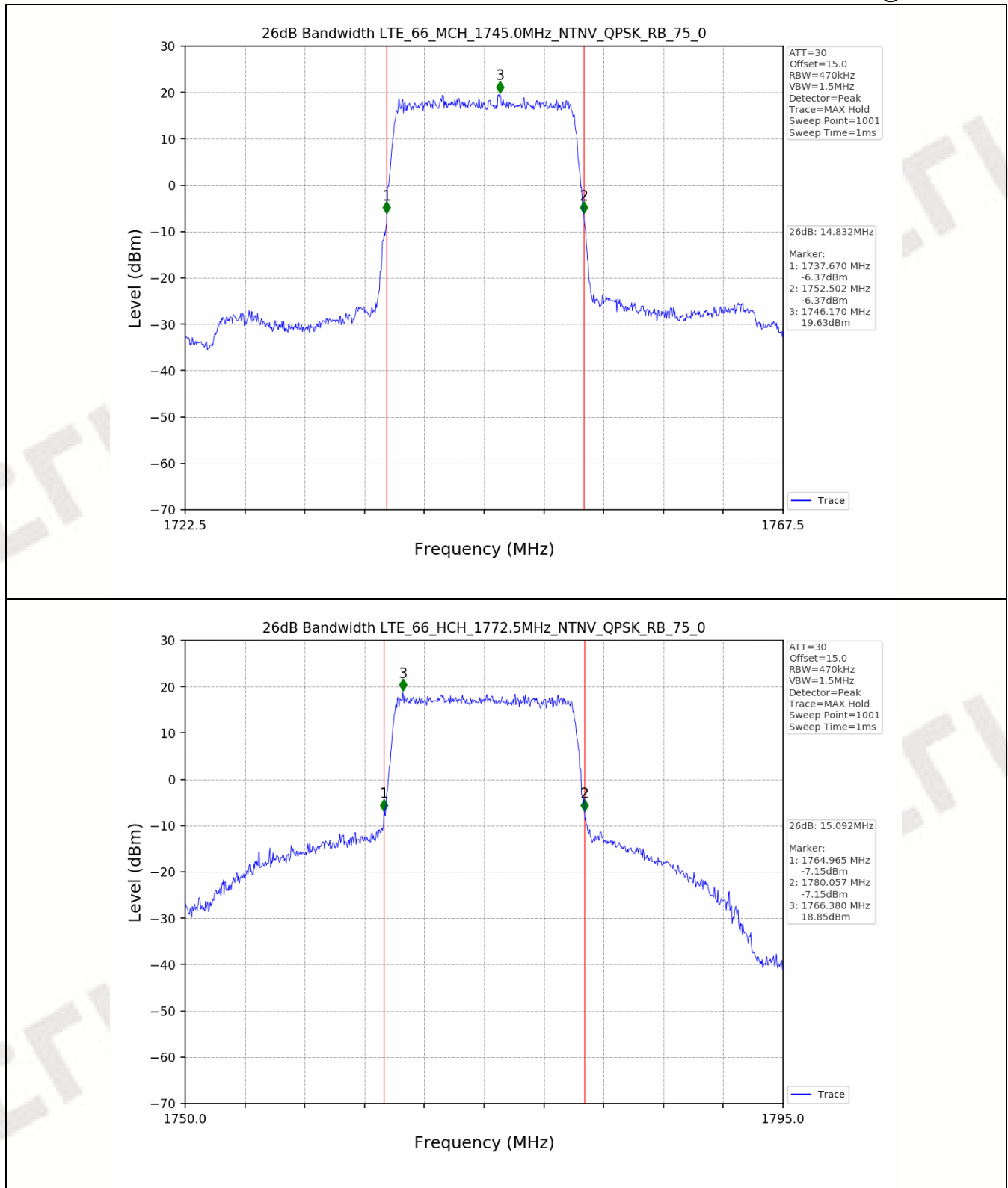


Test Band: 66_15MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	15.062	14.832	15.092	N/A	PASS
16QAM	75	0	14.948	14.974	15.059	N/A	PASS

4.2 Test Graph



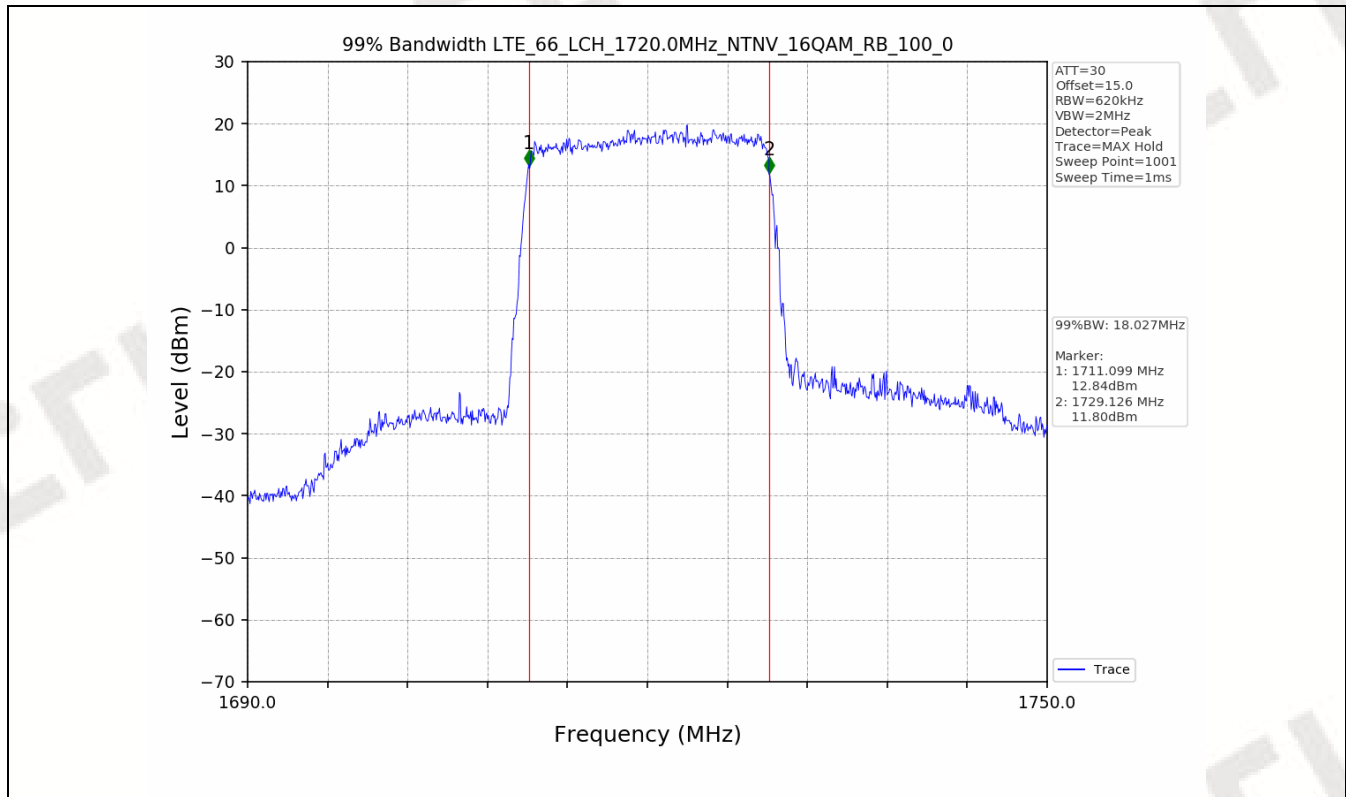


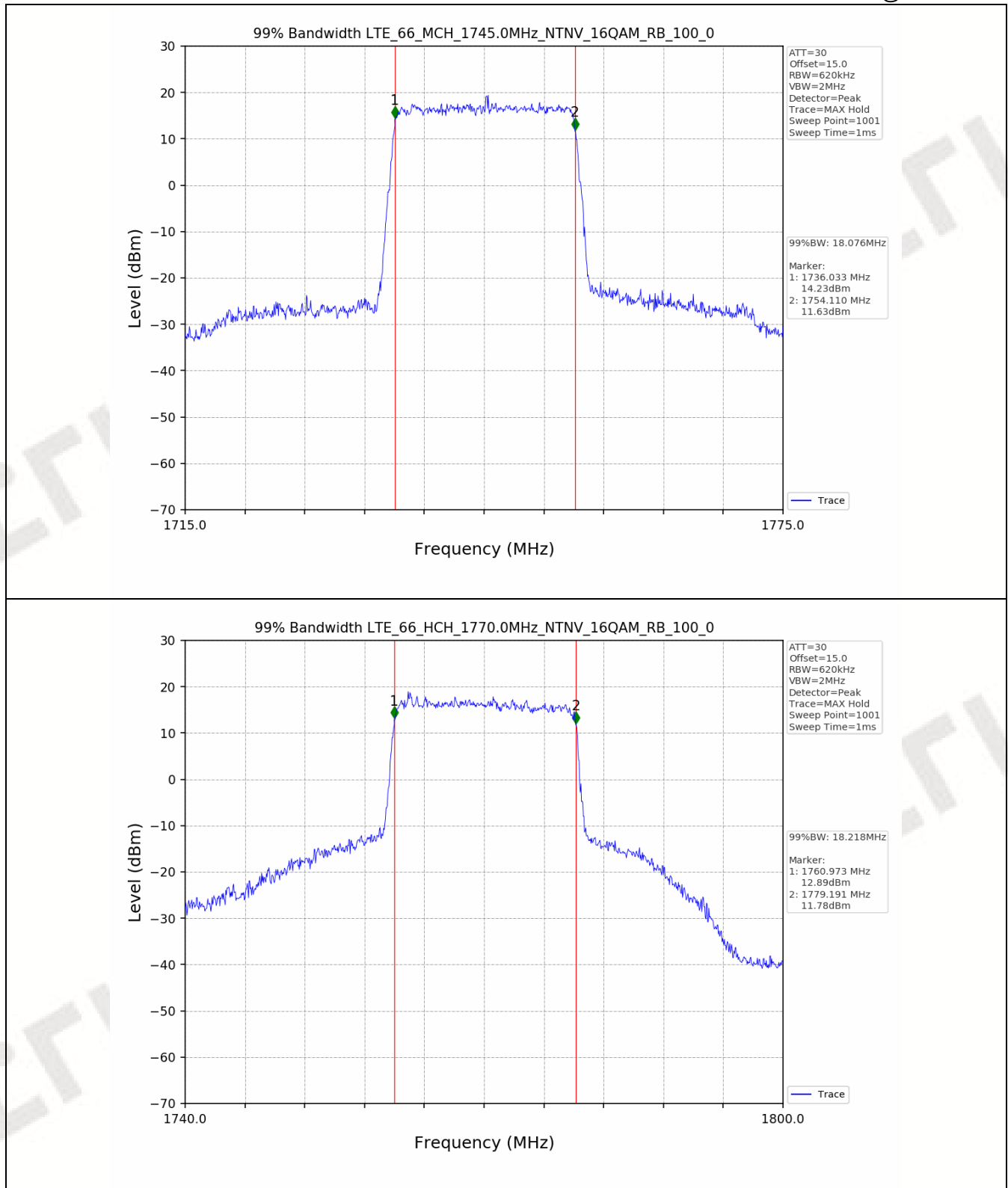


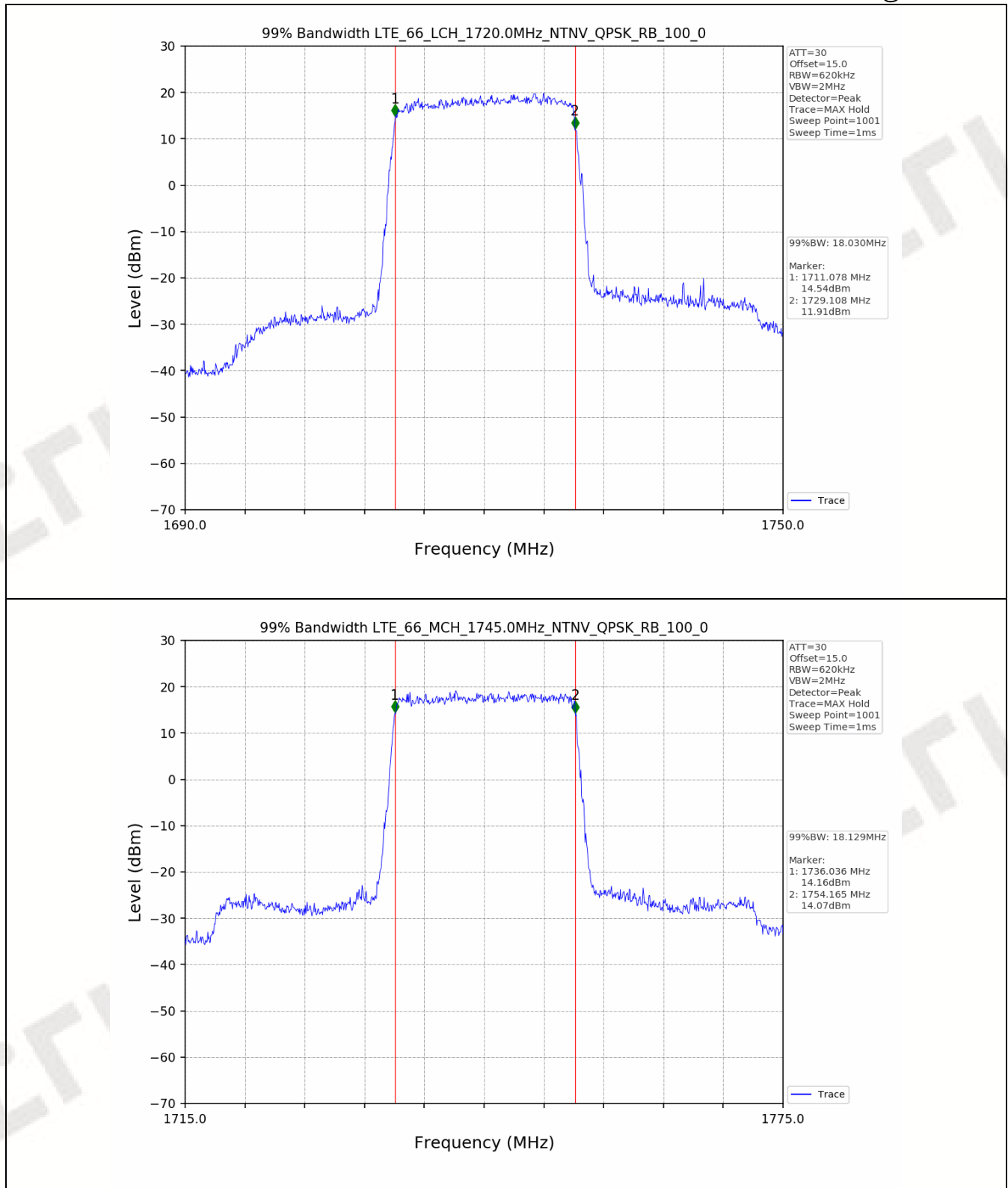


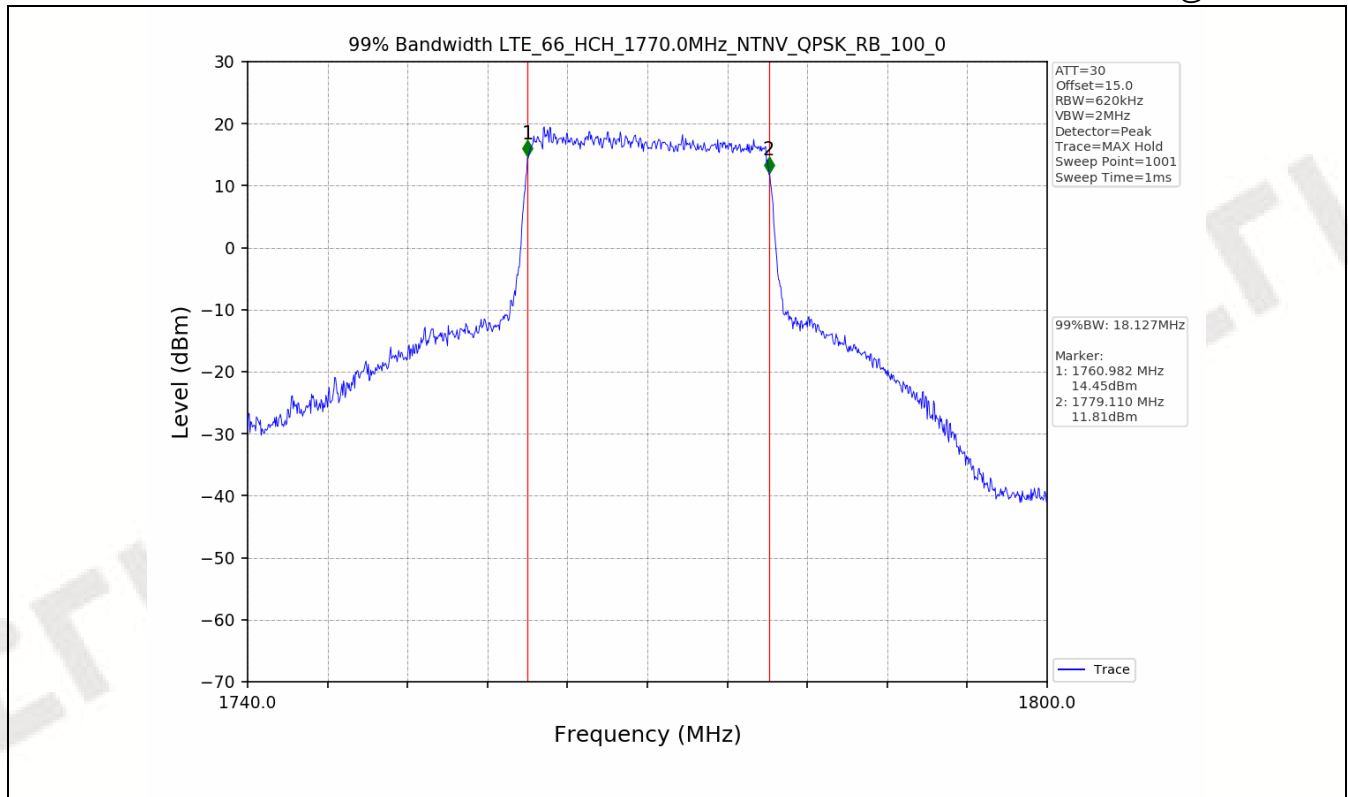
Test Band: 66_20MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	18.030	18.129	18.127	N/A	PASS
16QAM	100	0	18.027	18.076	18.218	N/A	PASS

4.2 Test Graph









Test Band: 66_20MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	19.810	19.890	19.897	N/A	PASS
16QAM	100	0	19.626	19.787	19.812	N/A	PASS

4.2 Test Graph

