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Appendix E

Product Name: Siyata SD7

Model: SD7



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	22.88	24.23	23.31	/	0.37	23.25	24.60	23.68	30.00	PASS
		2	23.00	24.27	23.35	/	0.37	23.37	24.64	23.72	30.00	PASS
		5	23.02	24.19	23.21	/	0.37	23.39	24.56	23.58	30.00	PASS
	3	0	22.90	24.23	23.26	/	0.37	23.27	24.60	23.63	30.00	PASS
		2	23.02	24.23	23.30	/	0.37	23.39	24.60	23.67	30.00	PASS
		3	23.02	24.15	23.18	/	0.37	23.39	24.52	23.55	30.00	PASS
16QAM	6	0	21.94	23.28	22.30	/	0.37	22.31	23.65	22.67	30.00	PASS
			21.95	23.45	22.35	/	0.37	22.32	23.82	22.72	30.00	PASS
			22.13	23.47	22.35	/	0.37	22.50	23.84	22.72	30.00	PASS
	1	2	22.12	23.33	22.27	/	0.37	22.49	23.70	22.64	30.00	PASS
		5	22.12	23.33	22.27	/	0.37	22.49	23.70	22.64	30.00	PASS
		0	22.00	23.22	22.43	/	0.37	22.37	23.59	22.80	30.00	PASS
	3	2	22.18	23.30	22.52	/	0.37	22.55	23.67	22.89	30.00	PASS
		3	22.09	23.21	22.43	/	0.37	22.46	23.58	22.80	30.00	PASS
		6	22.09	23.21	22.43	/	0.37	22.46	23.58	22.80	30.00	PASS
	6	0	20.98	22.29	21.36	/	0.37	21.35	22.66	21.73	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	22.92	24.37	23.57	/	0.37	23.29	24.74	23.94	30.00	PASS	
		7	23.20	24.38	23.57	/	0.37	23.57	24.75	23.94	30.00	PASS	
		14	23.30	24.14	23.34	/	0.37	23.67	24.51	23.71	30.00	PASS	
	8	0	22.02	23.32	22.48	/	0.37	22.39	23.69	22.85	30.00	PASS	
		4	22.19	23.30	22.50	/	0.37	22.56	23.67	22.87	30.00	PASS	
		7	22.23	23.22	22.40	/	0.37	22.60	23.59	22.77	30.00	PASS	
	15	0	22.19	23.32	22.43	/	0.37	22.56	23.69	22.80	30.00	PASS	
			22.17	23.92	22.65	/	0.37	22.54	24.29	23.02	30.00	PASS	
16QAM	1	7	22.46	23.91	22.57	/	0.37	22.83	24.28	22.94	30.00	PASS	
		14	22.59	23.74	22.35	/	0.37	22.96	24.11	22.72	30.00	PASS	
		0	21.08	22.55	21.59	/	0.37	21.45	22.92	21.96	30.00	PASS	
	8	4	21.29	22.53	21.63	/	0.37	21.66	22.90	22.00	30.00	PASS	
		7	21.31	22.45	21.45	/	0.37	21.68	22.82	21.82	30.00	PASS	
		15	0	21.24	22.42	21.54	/	0.37	21.61	22.79	21.91	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	22.93	24.44	23.68	/	0.37	23.30	24.81	24.05	30.00	PASS
		13	23.43	24.33	23.61	/	0.37	23.80	24.70	23.98	30.00	PASS
		24	23.71	24.07	23.35	/	0.37	24.08	24.44	23.72	30.00	PASS
	12	0	22.16	23.41	22.65	/	0.37	22.53	23.78	23.02	30.00	PASS
		6	22.39	23.33	22.57	/	0.37	22.76	23.70	22.94	30.00	PASS



		13	22.56	23.20	22.45	/	0.37	22.93	23.57	22.82	30.00	PASS
	25	0	22.39	23.29	22.51	/	0.37	22.76	23.66	22.88	30.00	PASS
			22.28	23.41	22.82	/	0.37	22.65	23.78	23.19	30.00	PASS
	1	13	22.76	23.28	22.74	/	0.37	23.13	23.65	23.11	30.00	PASS
		24	23.07	23.05	22.45	/	0.37	23.44	23.42	22.82	30.00	PASS
16QAM		0	21.25	22.46	21.68	/	0.37	21.62	22.83	22.05	30.00	PASS
	12	6	21.49	22.38	21.60	/	0.37	21.86	22.75	21.97	30.00	PASS
		13	21.71	22.26	21.43	/	0.37	22.08	22.63	21.80	30.00	PASS
	25	0	21.45	22.35	21.58	/	0.37	21.82	22.72	21.95	30.00	PASS

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	22.95	24.65	23.85	/	0.37	23.32	25.02	24.22	30.00	PASS
		25	23.79	24.30	23.70	/	0.37	24.16	24.67	24.07	30.00	PASS
		49	24.43	23.97	23.37	/	0.37	24.80	24.34	23.74	30.00	PASS
	25	0	22.45	23.48	22.83	/	0.37	22.82	23.85	23.20	30.00	PASS
		13	22.89	23.32	22.77	/	0.37	23.26	23.69	23.14	30.00	PASS
		25	23.24	23.19	22.54	/	0.37	23.61	23.56	22.91	30.00	PASS
16QAM	50	0	22.89	23.31	22.65	/	0.37	23.26	23.68	23.02	30.00	PASS
	1		22.24	24.22	22.95	/	0.37	22.61	24.59	23.32	30.00	PASS
		25	23.08	23.86	22.76	/	0.37	23.45	24.23	23.13	30.00	PASS
		49	23.68	23.57	22.40	/	0.37	24.05	23.94	22.77	30.00	PASS
	25	0	21.55	22.60	21.90	/	0.37	21.92	22.96	22.27	30.00	PASS
		13	22.00	22.44	21.83	/	0.37	22.37	22.81	22.20	30.00	PASS
		25	22.33	22.23	21.67	/	0.37	22.70	22.60	22.04	30.00	PASS
	50	0	21.97	22.39	21.73	/	0.37	22.34	22.76	22.10	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	22.98	24.67	23.85	/	0.37	23.35	25.04	24.22	30.00	PASS
		38	24.19	24.23	23.74	/	0.37	24.56	24.60	24.11	30.00	PASS
		74	24.62	23.87	23.29	/	0.37	24.99	24.24	23.66	30.00	PASS
	36	0	22.61	23.53	22.81	/	0.37	22.98	23.90	23.18	30.00	PASS
		18	23.14	23.33	22.78	/	0.37	23.51	23.70	23.15	30.00	PASS
		39	23.60	23.07	22.61	/	0.37	23.97	23.44	22.98	30.00	PASS
16QAM	75	0	23.09	23.31	22.71	/	0.37	23.46	23.68	23.08	30.00	PASS
	1		22.22	24.24	23.29	/	0.37	22.59	24.61	23.66	30.00	PASS
		38	23.49	23.81	23.21	/	0.37	23.86	24.18	23.58	30.00	PASS
		74	23.85	23.38	22.70	/	0.37	24.22	23.75	23.07	30.00	PASS
	36	0	21.71	22.61	21.92	/	0.37	22.08	22.98	22.29	30.00	PASS
		18	22.24	22.46	21.85	/	0.37	22.61	22.83	22.22	30.00	PASS
		39	22.67	22.19	21.64	/	0.37	23.04	22.56	22.01	30.00	PASS
	75	0	22.21	22.39	21.74	/	0.37	22.58	22.76	22.11	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	23.00	24.68	23.93	/	0.37	23.37	25.05	24.30	30.00	PASS
		50	24.46	24.28	23.78	/	0.37	24.83	24.65	24.15	30.00	PASS
		99	24.55	23.85	23.35	/	0.37	24.92	24.22	23.72	30.00	PASS
	50	0	22.88	23.53	22.92	/	0.37	23.25	23.90	23.29	30.00	PASS
		25	23.48	23.35	22.89	/	0.37	23.85	23.72	23.26	30.00	PASS
		50	23.60	23.05	22.71	/	0.37	23.97	23.42	23.08	30.00	PASS
	100	0	23.30	23.34	22.77	/	0.37	23.67	23.71	23.14	30.00	PASS
		25	22.28	24.01	23.57	/	0.37	22.65	24.38	23.94	30.00	PASS
		50	23.81	23.58	23.45	/	0.37	24.18	23.95	23.82	30.00	PASS
16QAM	1	0	23.73	23.17	22.90	/	0.37	24.10	23.54	23.27	30.00	PASS
		50	21.96	22.61	21.94	/	0.37	22.33	22.98	22.31	30.00	PASS
		25	22.58	22.37	21.91	/	0.37	22.95	22.74	22.28	30.00	PASS
	50	0	22.67	22.05	21.72	/	0.37	23.04	22.42	22.09	30.00	PASS
		25	22.38	22.36	21.82	/	0.37	22.75	22.73	22.19	30.00	PASS
		50										
	100	0										
		25										
		50										

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	- 2.174 4	- 7.996 6	7.123 9	-0.0013	-0.0046	0.0041	2.50	PASS
				NV	3.418 9	- 8.239 7	1.659 4	0.0020	-0.0048	0.0009	2.50	PASS
				HV	- 2.903 9	- 5.979 5	10.95 77	-0.0017	-0.0035	0.0062	2.50	PASS
16QAM	6	0	NT	LV	- 22.21 58	- 11.90 19	- 13.34 67	-0.0130	-0.0069	-0.0076	2.50	PASS
				NV	- 16.35 08	- 16.69 41	- 12.33 10	-0.0096	-0.0096	-0.0070	2.50	PASS
				HV	- 23.51 76	- 12.15 94	- 11.15 80	-0.0137	-0.0070	-0.0064	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	- 8.525 8	- 7.782 0	4.105 6	-0.0050	-0.0045	0.0023	2.50	PASS
				-20.00	2.460 5	8.196 8	10.74 31	-0.0014	-0.0047	0.0061	2.50	PASS
				-10.00	3.762 2	- 9.169 6	9.326 9	0.0022	-0.0053	0.0053	2.50	PASS
				0.00	- 3.161 4	- 7.782 0	5.478 9	-0.0018	-0.0045	0.0031	2.50	PASS
				10.00	3.776 6	- 8.783 3	1.974 1	0.0022	-0.0051	0.0011	2.50	PASS
				20.00	- 5.865 1	- 8.997 9	- 0.028 6	-0.0034	-0.0052	0.0000	2.50	PASS
				30.00	2.903 9	- 9.412 8	- 1.359 0	0.0017	-0.0054	-0.0008	2.50	PASS
				40.00	- 5.250 0	- 8.397 1	- 4.420 3	-0.0031	-0.0048	-0.0025	2.50	PASS
				50.00	4.205 7	- 9.369 8	- 7.753 4	0.0025	-0.0054	-0.0044	2.50	PASS



16QAM	6	0	NV	-30.00	- 22.27 31	- 10.22 82	- 9.727 5	-0.0130	-0.0059	-0.0055	2.50	PASS
				-20.00	- 24.43 31	- 8.025 2	- 8.969 3	-0.0143	-0.0046	-0.0051	2.50	PASS
				-10.00	- 14.51 97	- 6.966 6	- 8.053 8	-0.0085	-0.0040	-0.0046	2.50	PASS
				0.00	- 16.00 74	- 16.13 62	- 8.854 9	-0.0094	-0.0093	-0.0050	2.50	PASS
				10.00	- 19.65 52	- 16.22 20	- 7.624 6	-0.0115	-0.0094	-0.0043	2.50	PASS
				20.00	- 24.00 40	- 14.00 47	- 8.726 1	-0.0140	-0.0081	-0.0050	2.50	PASS
				30.00	- 27.72 33	- 9.813 3	- 9.741 8	-0.0162	-0.0057	-0.0056	2.50	PASS
				40.00	- 12.43 11	- 7.066 7	- 10.24 25	-0.0073	-0.0041	-0.0058	2.50	PASS
				50.00	- 18.45 36	- 6.122 6	- 10.39 98	-0.0108	-0.0035	-0.0059	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	14.44 82	1.802 4	12.83 17	0.0084	0.0010	0.0073	2.50	PASS
				NV	7.238 4	0.643 7	10.94 34	0.0042	0.0004	0.0062	2.50	PASS
				HV	7.281 3	- 2.589 2	6.365 8	0.0043	-0.0015	0.0036	2.50	PASS
16QAM	15	0	NT	LV	4.649 2	0.143 1	11.50 13	0.0027	0.0001	0.0066	2.50	PASS
				NV	7.109 6	- 0.143 1	9.999 3	0.0042	-0.0001	0.0057	2.50	PASS
				HV	11.75 88	12.44 54	4.534 7	0.0069	0.0072	0.0026	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	2.832 4	12.55 99	0.329 0	0.0017	0.0072	0.0002	2.50	PASS
				-20.00	8.940 7	10.34 26	13.34 67	0.0052	0.0060	0.0076	2.50	PASS
				-10.00	13.83 30	8.440 0	8.812 0	0.0081	0.0049	0.0050	2.50	PASS
				0.00	3.733	7.481	1.359	0.0022	0.0043	0.0008	2.50	PASS



					6	6	0					
				10.00	2.217 3	14.39 10	8.440 0	0.0013	0.0083	0.0048	2.50	PASS
				20.00	4.148 5	12.30 24	9.255 4	0.0024	0.0071	0.0053	2.50	PASS
				30.00	7.996 6	12.55 99	8.068 1	0.0047	0.0072	0.0046	2.50	PASS
				40.00	13.18 93	12.35 96	12.81 74	0.0077	0.0071	0.0073	2.50	PASS
				50.00	2.903 9	7.925 0	10.61 44	0.0017	0.0046	0.0061	2.50	PASS
16QAM	15	0	NV	-30.00	3.047 0	10.44 27	1.130 1	0.0018	0.0060	0.0006	2.50	PASS
				-20.00	2.632 1	8.125 3	13.36 10	0.0015	0.0047	0.0076	2.50	PASS
				-10.00	5.908 0	6.337 2	8.869 2	0.0035	0.0037	0.0051	2.50	PASS
				0.00	11.47 27	2.946 9	2.303 1	0.0067	0.0017	0.0013	2.50	PASS
				10.00	4.591 9	0.386 2	1.187 3	0.0027	0.0002	-0.0007	2.50	PASS
				20.00	2.260 2	6.136 9	11.21 52	0.0013	0.0035	0.0064	2.50	PASS
				30.00	8.997 9	13.33 24	3.061 3	0.0053	0.0077	0.0017	2.50	PASS
				40.00	11.95 91	9.870 5	10.50 00	0.0070	0.0057	0.0060	2.50	PASS
				50.00	- 0.643 7	10.19 96	10.84 33	-0.0004	0.0059	0.0062	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	- 0.557 9	13.33 24	2.703 7	-0.0003	0.0077	0.0015	2.50	PASS
				NV	- 11.00 06	7.867 8	3.361 7	-0.0064	0.0045	-0.0019	2.50	PASS
				HV	- 6.966 6	6.794 9	8.397 1	-0.0041	0.0039	0.0048	2.50	PASS
16QAM	25	0	NT	LV	- 2.288 8	3.004 1	4.949 6	-0.0013	0.0017	0.0028	2.50	PASS
				NV	- 7.510 2	2.646 4	1.530 6	-0.0044	0.0015	0.0009	2.50	PASS
				HV	- 6.651 9	1.430 5	2.703 7	-0.0039	0.0008	-0.0015	2.50	PASS

Test Band: 4_5MHz Bandwidth (Frequency Error VS. Temperature)							
Test	RB Allocation	Test	Test	Freq. Error (Hz)	Freq. vs. rated (ppm)	Limit	Verdict



Mode	Size	Offset	Volt.	Temp.	LCH	MCH	HCH	LCH	MCH	HCH	(ppm)	
QPSK	25	0	NV	-30.00	- 8.282 7	3.132 8	6.566 0	-0.0048	0.0018	0.0037	2.50	PASS
				-20.00	- 3.247 3	1.001 4	2.489 1	-0.0019	0.0006	-0.0014	2.50	PASS
				-10.00	- 5.278 6	- 2.517 7	8.068 1	-0.0031	-0.0015	0.0046	2.50	PASS
				0.00	- 7.052 4	9.870 5	1.545 0	-0.0041	0.0057	0.0009	2.50	PASS
				10.00	- 7.953 6	11.31 54	3.490 4	-0.0046	0.0065	-0.0020	2.50	PASS
				20.00	- 9.713 2	8.497 2	6.909 4	-0.0057	0.0049	0.0039	2.50	PASS
				30.00	- 11.97 34	6.322 9	1.058 6	-0.0070	0.0036	0.0006	2.50	PASS
				40.00	- 7.467 3	3.333 1	2.417 6	-0.0044	0.0019	0.0014	2.50	PASS
				50.00	- 6.351 5	0.600 8	5.779 3	-0.0037	0.0003	0.0033	2.50	PASS
16QAM	25	0	NV	-30.00	- 8.711 8	- 1.516 3	9.026 5	-0.0051	-0.0009	0.0052	2.50	PASS
				-20.00	- 6.237 0	11.93 05	3.161 4	-0.0036	0.0069	0.0018	2.50	PASS
				-10.00	1.459 1	10.91 48	- 1.444 8	0.0009	0.0063	-0.0008	2.50	PASS
				0.00	- 3.004 1	6.995 2	0.944 1	-0.0018	0.0040	0.0005	2.50	PASS
				10.00	- 5.407 3	3.933 9	- 6.594 7	-0.0032	0.0023	-0.0038	2.50	PASS
				20.00	- 6.179 8	- 0.042 9	2.732 3	-0.0036	0.0000	0.0016	2.50	PASS
				30.00	- 8.168 2	10.87 19	3.733 6	-0.0048	0.0063	0.0021	2.50	PASS
				40.00	- 4.034 0	12.98 90	- 1.845 4	-0.0024	0.0075	-0.0011	2.50	PASS
				50.00	- 2.403 3	9.827 6	6.737 7	-0.0014	0.0057	0.0038	2.50	PASS



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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	-1.244 5	8.025 2	-5.908 0	-0.0007	0.0046	-0.0034	2.50	PASS
				NV	-1.716 6	-1.030 0	-5.807 9	-0.0010	-0.0006	-0.0033	2.50	PASS
				HV	-3.089 9	0.915 5	-2.160 1	-0.0018	0.0005	-0.0012	2.50	PASS
16QAM	50	0	NT	LV	-1.087 2	8.626 0	-9.985 0	-0.0006	0.0050	-0.0057	2.50	PASS
				NV	-0.615 1	10.90 05	-6.494 5	-0.0004	0.0063	-0.0037	2.50	PASS
				HV	-2.102 9	8.812 0	-2.374 6	-0.0012	0.0051	-0.0014	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	0.772 5	9.985 0	-9.055 1	0.0005	0.0058	-0.0052	2.50	PASS
				-20.00	-2.961 2	10.57 15	1.559 3	-0.0017	0.0061	0.0009	2.50	PASS
				-10.00	4.377 4	8.039 5	8.697 5	-0.0026	0.0046	-0.0050	2.50	PASS
				0.00	-2.374 6	5.979 5	0.157 4	-0.0014	0.0035	0.0001	2.50	PASS
				10.00	0.257 5	4.706 4	-9.083 7	0.0002	0.0027	-0.0052	2.50	PASS
				20.00	0.815 4	2.117 2	2.489 1	-0.0005	0.0012	0.0014	2.50	PASS
				30.00	1.344 7	-0.858 3	-5.765 0	0.0008	-0.0005	-0.0033	2.50	PASS
				40.00	-0.414 8	-2.889 6	-8.325 6	-0.0002	-0.0017	-0.0048	2.50	PASS
				50.00	-0.071 5	11.81 60	-9.427 1	0.0000	0.0068	-0.0054	2.50	PASS
16QAM	50	0	NV	-30.00	-0.944 1	7.996 6	0.901 2	-0.0006	0.0046	0.0005	2.50	PASS



				-20.00	- 1.773 8	- 3.218 7	- 6.051 1	-0.0010	-0.0019	-0.0035	2.50	PASS
				-10.00	- 3.633 5	- 4.177 1	- 4.663 5	-0.0021	0.0024	0.0027	2.50	PASS
				0.00	- 1.187 3	- 8.583 1	- 3.647 8	-0.0007	0.0050	-0.0021	2.50	PASS
				10.00	- 2.675 1	- 9.470 0	- 9.284 0	-0.0016	0.0055	-0.0053	2.50	PASS
				20.00	- 3.218 7	- 4.291 5	- 2.775 2	-0.0019	0.0025	0.0016	2.50	PASS
				30.00	- 4.220 0	- 2.460 5	- 4.692 1	-0.0025	0.0014	-0.0027	2.50	PASS
				40.00	- 4.091 3	- 1.173 0	- 10.54 29	-0.0024	0.0007	-0.0060	2.50	PASS
				50.00	- 4.534 7	- 0.228 9	- 0.786 8	-0.0026	-0.0001	0.0004	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	7.481 6	2.059 9	- 2.274 5	0.0044	0.0012	-0.0013	2.50	PASS
				NV	7.538 8	0.729 6	9.613 0	0.0044	0.0004	0.0055	2.50	PASS
				HV	4.763 6	- 0.815 4	0.686 6	0.0028	-0.0005	0.0004	2.50	PASS
16QAM	75	0	NT	LV	4.706 4	- 1.330 4	12.27 38	0.0027	-0.0008	0.0070	2.50	PASS
				NV	5.507 5	- 1.559 3	7.495 9	0.0032	-0.0009	0.0043	2.50	PASS
				HV	5.192 8	6.194 1	1.459 1	0.0030	0.0036	0.0008	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	6.179 8	4.091 3	7.009 5	0.0036	0.0024	0.0040	2.50	PASS
				-20.00	3.862 4	3.905 3	- 0.028 6	0.0022	0.0023	0.0000	2.50	PASS
				-10.00	4.863 7	9.985 0	4.978 2	0.0028	0.0058	0.0028	2.50	PASS
				0.00	4.735	9.198	8.368	0.0028	0.0053	0.0048	2.50	PASS



					0	2	5					
				10.00	6.651 9	7.925 0	4.005 4	0.0039	0.0046	0.0023	2.50	PASS
				20.00	7.081 0	5.893 7	- 0.228 9	0.0041	0.0034	-0.0001	2.50	PASS
				30.00	5.164 1	2.460 5	9.398 5	0.0030	0.0014	0.0054	2.50	PASS
				40.00	4.363 1	- 2.245 9	3.933 9	0.0025	-0.0013	0.0023	2.50	PASS
				50.00	3.461 8	7.309 9	0.443 5	0.0020	0.0042	0.0003	2.50	PASS
16QAM	75	0	NV	-30.00	5.650 5	4.763 6	6.094 0	0.0033	0.0027	0.0035	2.50	PASS
				-20.00	7.138 3	6.508 8	- 2.145 8	0.0042	0.0038	-0.0012	2.50	PASS
				-10.00	3.361 7	6.866 5	5.221 4	0.0020	0.0040	0.0030	2.50	PASS
				0.00	2.746 6	6.809 2	- 0.543 6	0.0016	0.0039	-0.0003	2.50	PASS
				10.00	0.600 8	5.121 2	8.840 6	0.0003	0.0030	0.0051	2.50	PASS
				20.00	3.690 7	0.586 5	2.160 1	0.0021	0.0003	0.0012	2.50	PASS
				30.00	3.504 8	- 2.317 4	12.44 54	0.0020	-0.0013	0.0071	2.50	PASS
				40.00	3.233 0	2.646 4	6.036 8	0.0019	0.0015	0.0035	2.50	PASS
				50.00	4.563 3	13.36 10	5.550 4	0.0027	0.0077	0.0032	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	- 8.368 5	7.953 6	- 1.831 1	-0.0049	0.0046	-0.0010	2.50	PASS
				NV	- 5.793 6	7.038 1	- 7.267 0	-0.0034	0.0041	-0.0042	2.50	PASS
				HV	- 7.581 7	3.118 5	- 3.190 0	-0.0044	0.0018	-0.0018	2.50	PASS
16QAM	100	0	NT	LV	- 7.281 3	2.031 3	3.519 1	-0.0042	0.0012	0.0020	2.50	PASS
				NV	- 4.119 9	5.779 3	- 3.690 7	-0.0024	0.0033	-0.0021	2.50	PASS
				HV	- 4.477 5	9.455 7	1.101 5	-0.0026	0.0055	0.0006	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	- 5.908 0	- 0.572 2	3.061 3	-0.0034	-0.0003	0.0018	2.50	PASS
				-20.00	- 5.149 8	3.218 7	3.075 6	-0.0030	0.0019	-0.0018	2.50	PASS
				-10.00	- 5.564 7	- 0.658 0	4.849 4	-0.0032	-0.0004	0.0028	2.50	PASS
				0.00	- 6.494 5	- 1.931 2	- 2.660 8	-0.0038	-0.0011	-0.0015	2.50	PASS
				10.00	- 7.224 1	11.32 97	0.500 7	-0.0042	0.0065	0.0003	2.50	PASS
				20.00	- 3.848 1	7.195 5	0.443 5	-0.0022	0.0042	-0.0003	2.50	PASS
				30.00	- 3.261 6	4.077 0	4.348 8	-0.0019	0.0024	-0.0025	2.50	PASS
				40.00	- 6.208 4	- 0.543 6	- 2.589 2	-0.0036	-0.0003	-0.0015	2.50	PASS
				50.00	- 6.136 9	4.134 2	0.071 5	-0.0036	0.0024	0.0000	2.50	PASS
16QAM	100	0	NV	-30.00	- 3.876 7	6.036 8	2.603 5	-0.0023	0.0035	-0.0015	2.50	PASS
				-20.00	- 6.208 4	1.230 2	8.797 6	-0.0036	0.0007	0.0050	2.50	PASS
				-10.00	- 6.508 8	1.430 5	1.459 1	-0.0038	-0.0008	0.0008	2.50	PASS
				0.00	- 5.264 3	- 0.472 1	5.121 2	-0.0031	-0.0003	0.0029	2.50	PASS
				10.00	- 1.659 4	8.883 5	1.287 5	-0.0010	0.0051	-0.0007	2.50	PASS
				20.00	- 7.023 8	- 1.416 2	5.378 7	-0.0041	-0.0008	0.0031	2.50	PASS
				30.00	- 6.208 4	- 1.330 4	1.230 2	-0.0036	-0.0008	-0.0007	2.50	PASS
				40.00	- 4.262 9	7.052 4	3.547 7	-0.0025	0.0041	-0.0020	2.50	PASS
				50.00	- 6.108 3	9.198 2	5.078 3	-0.0036	0.0053	0.0029	2.50	PASS

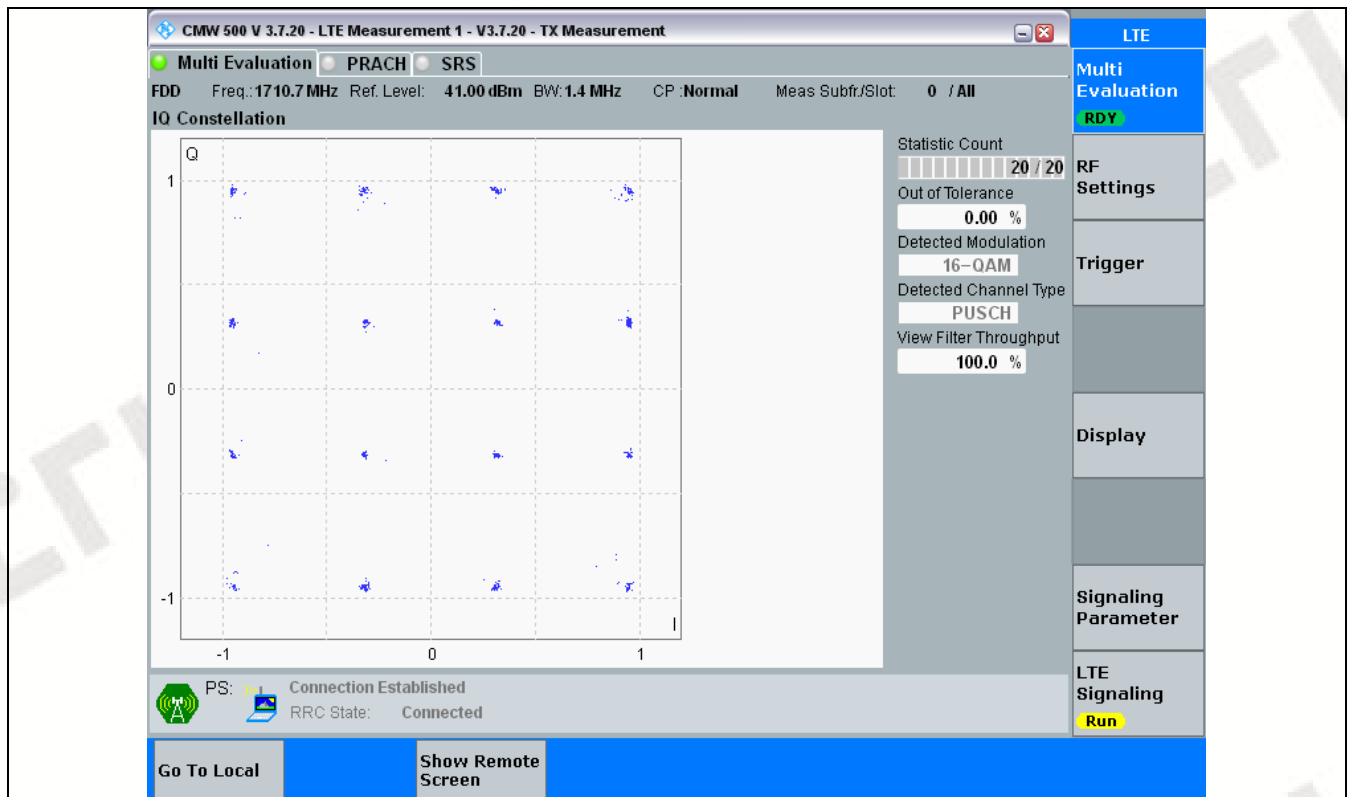


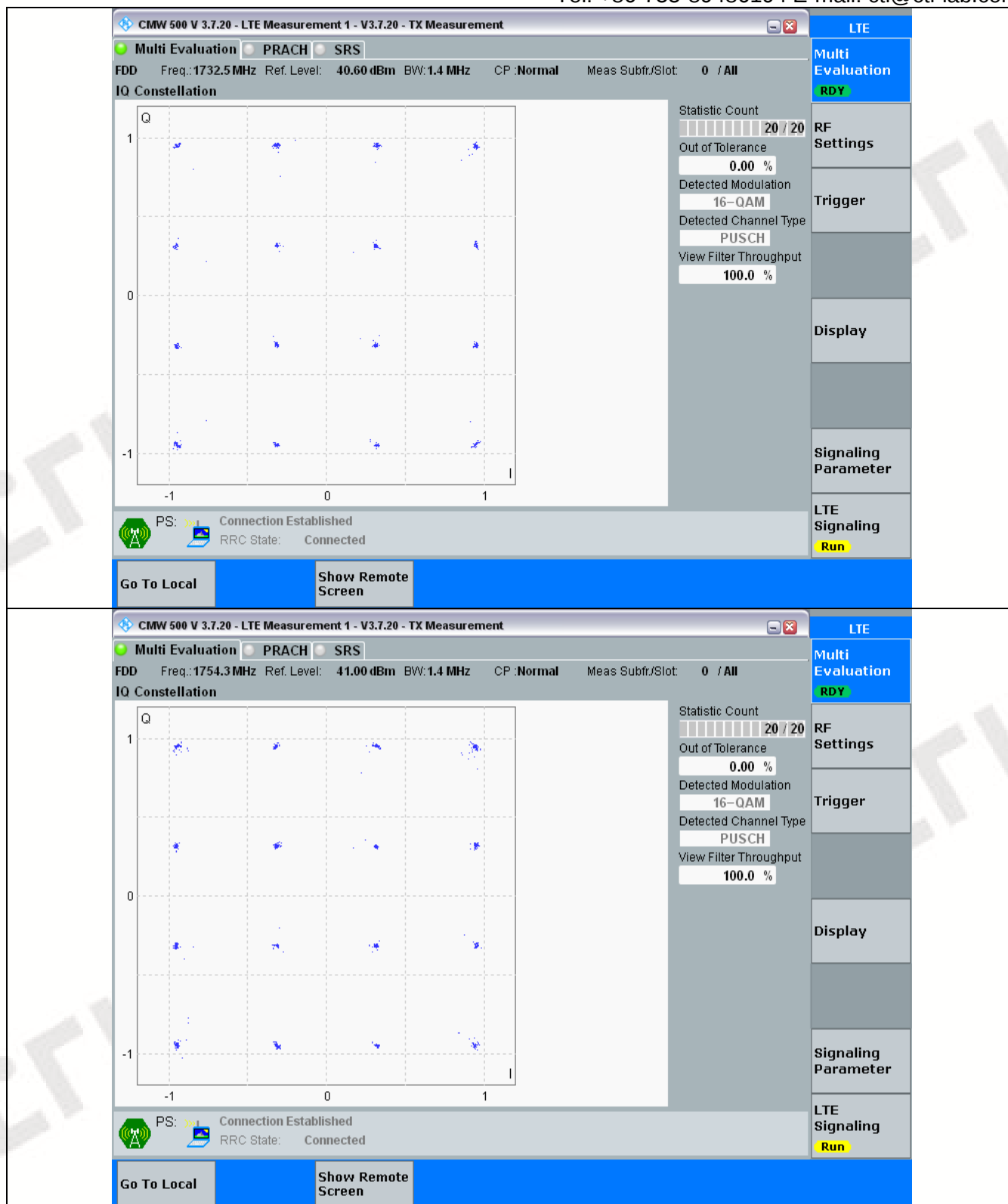
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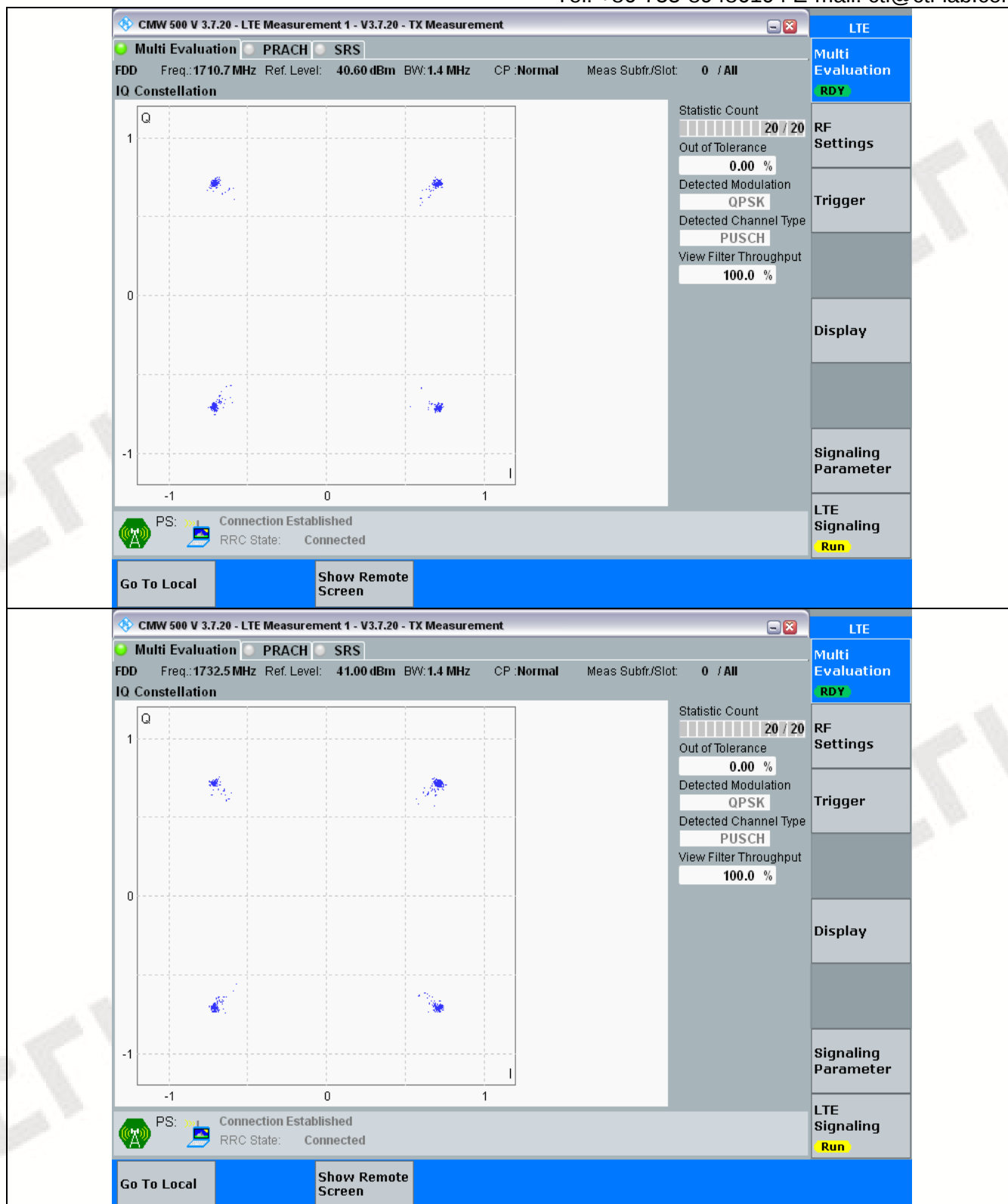
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3. Modulation Characteristics

3.1 Test Graph



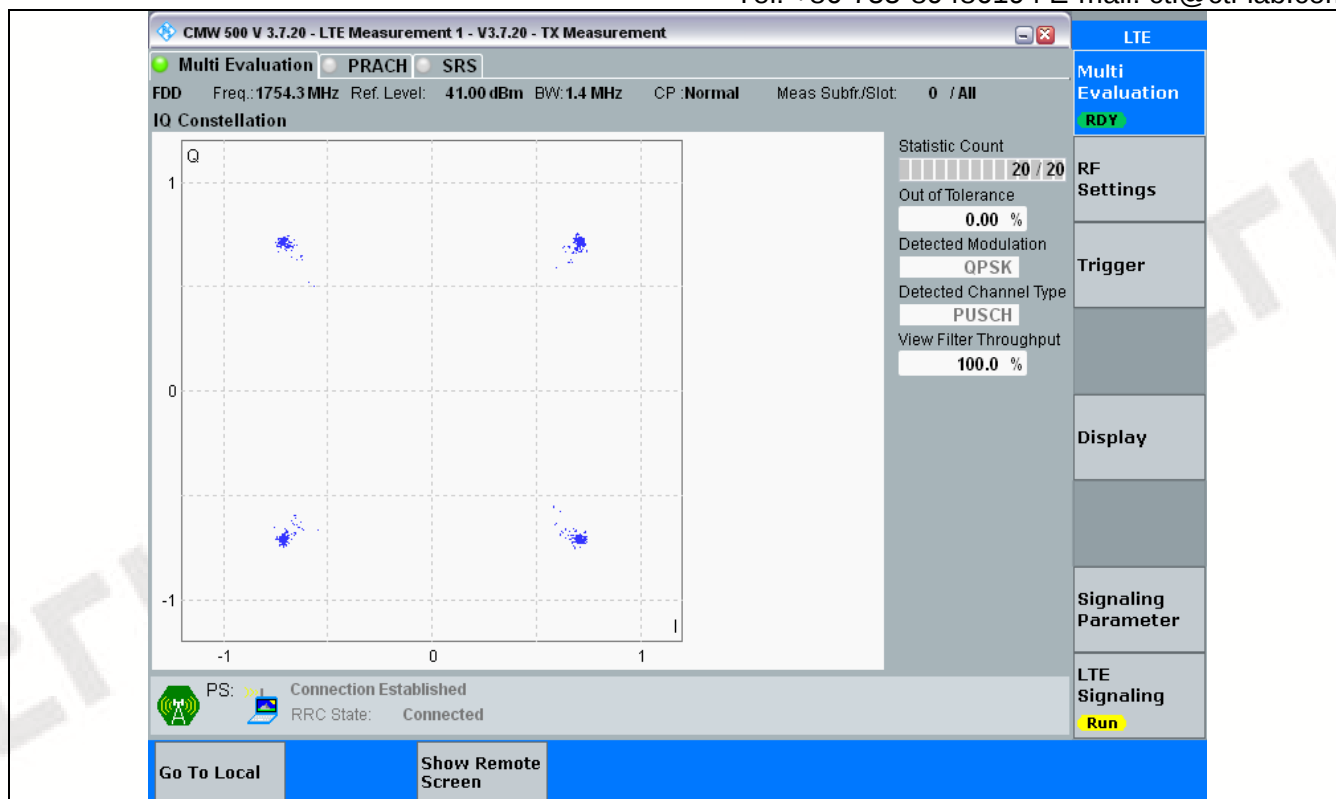






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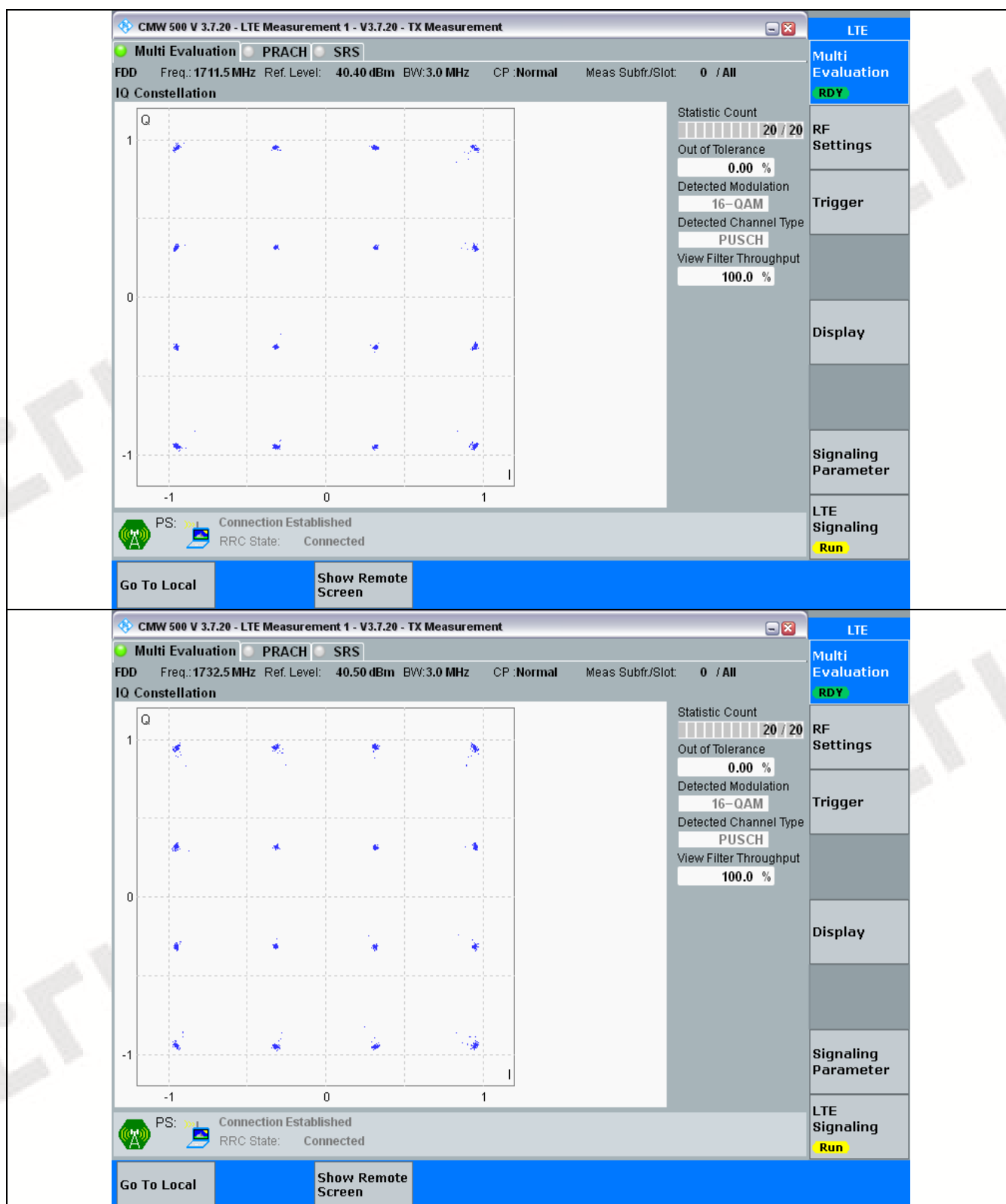


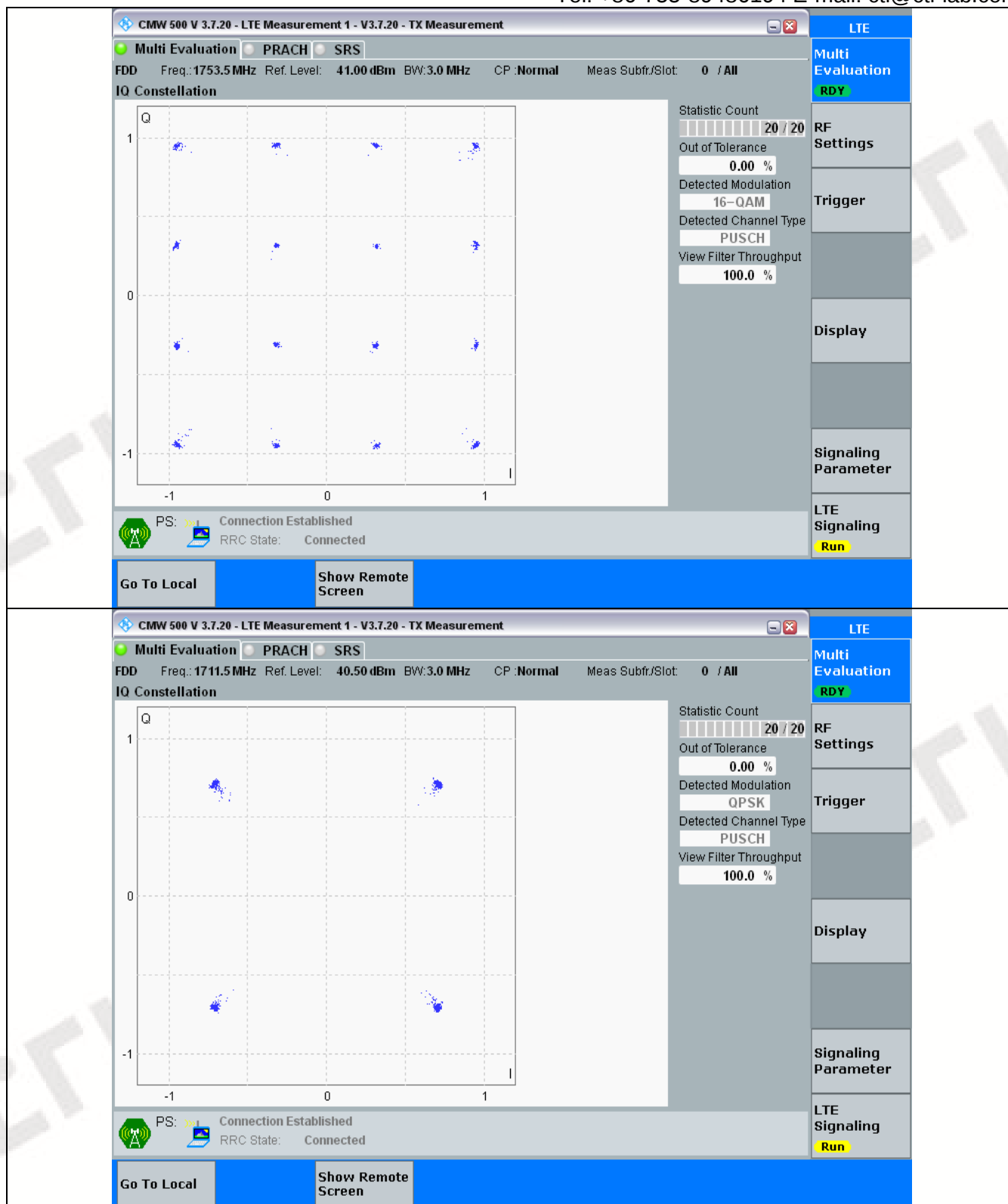


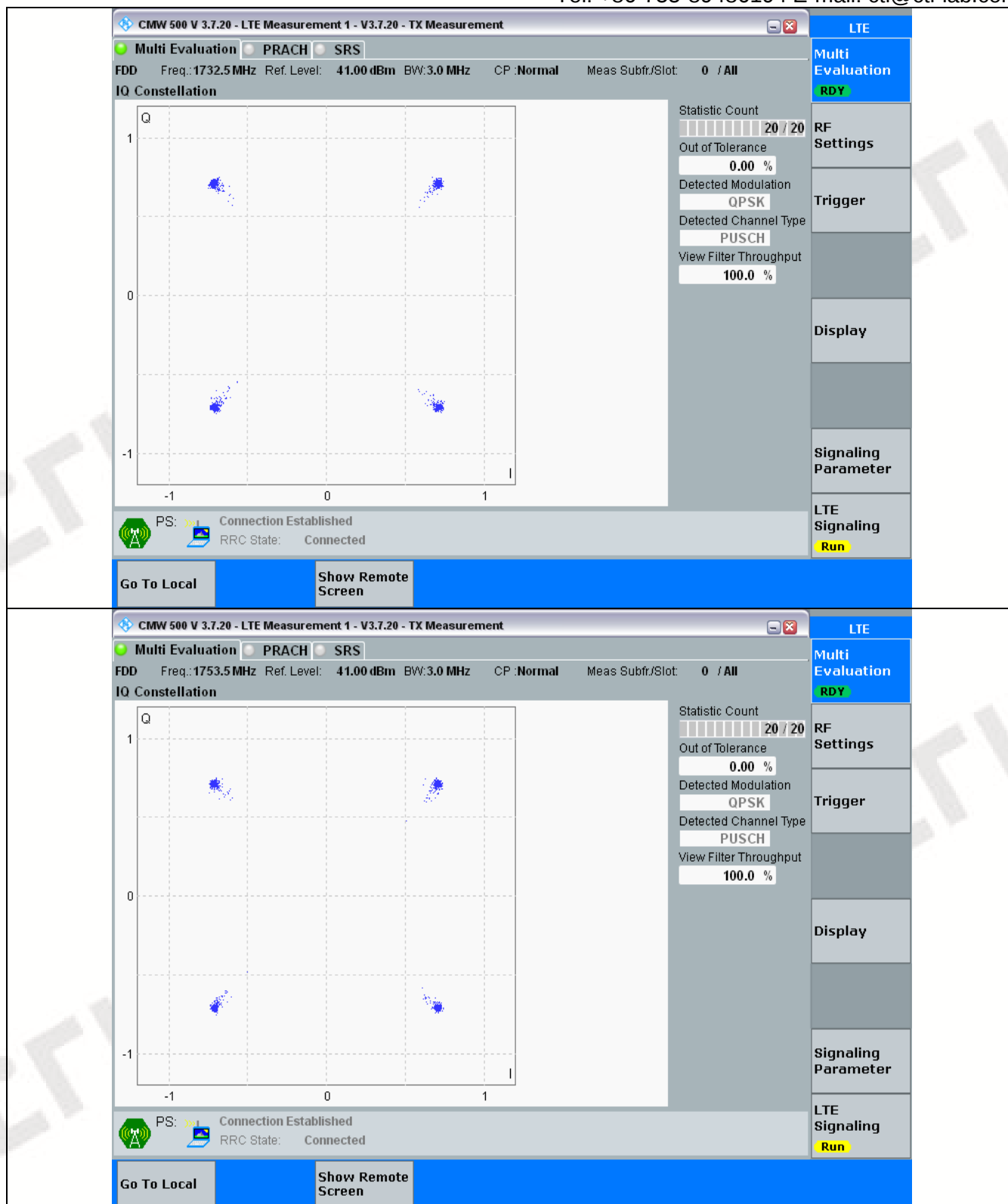
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3.1 Test Graph

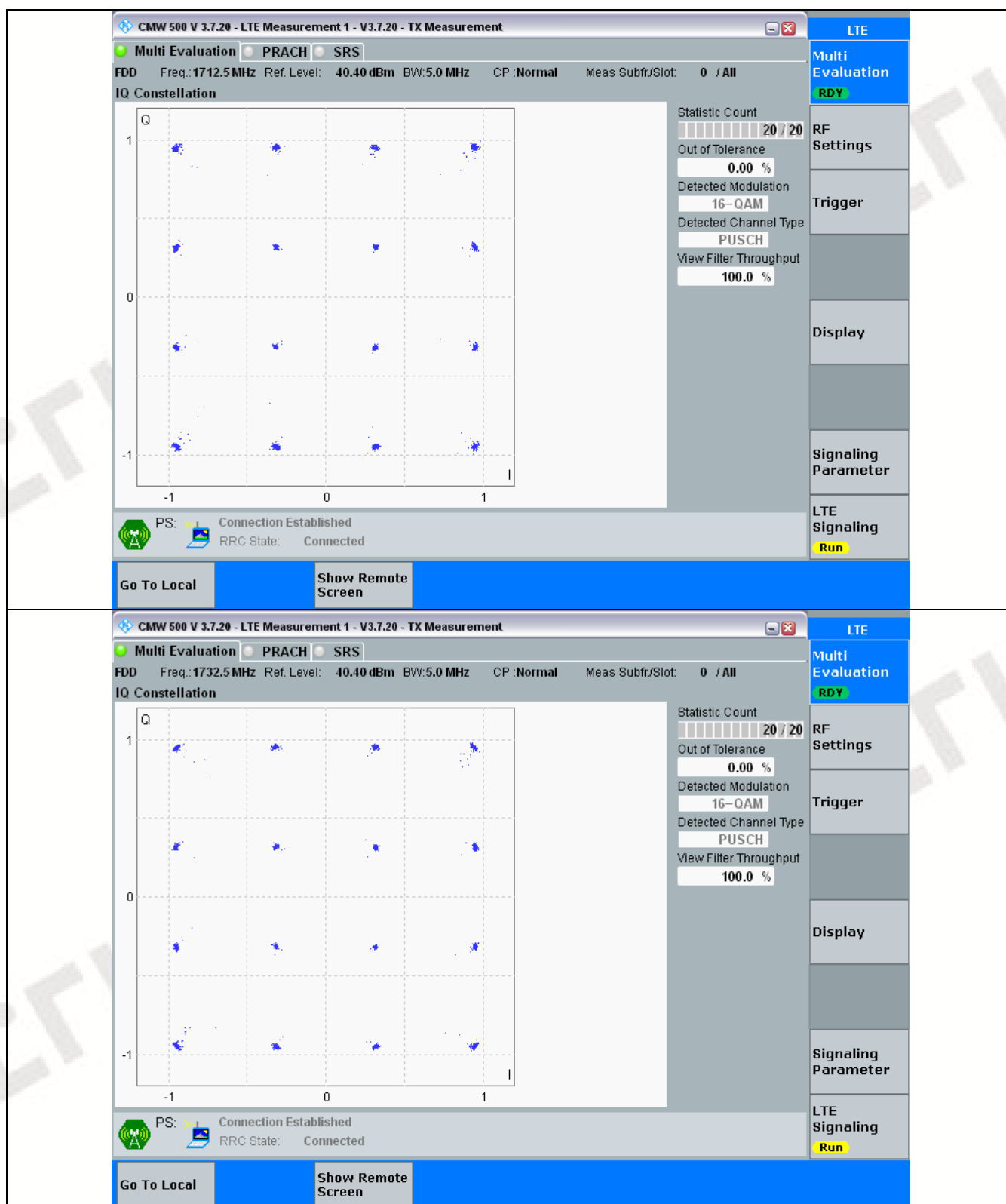


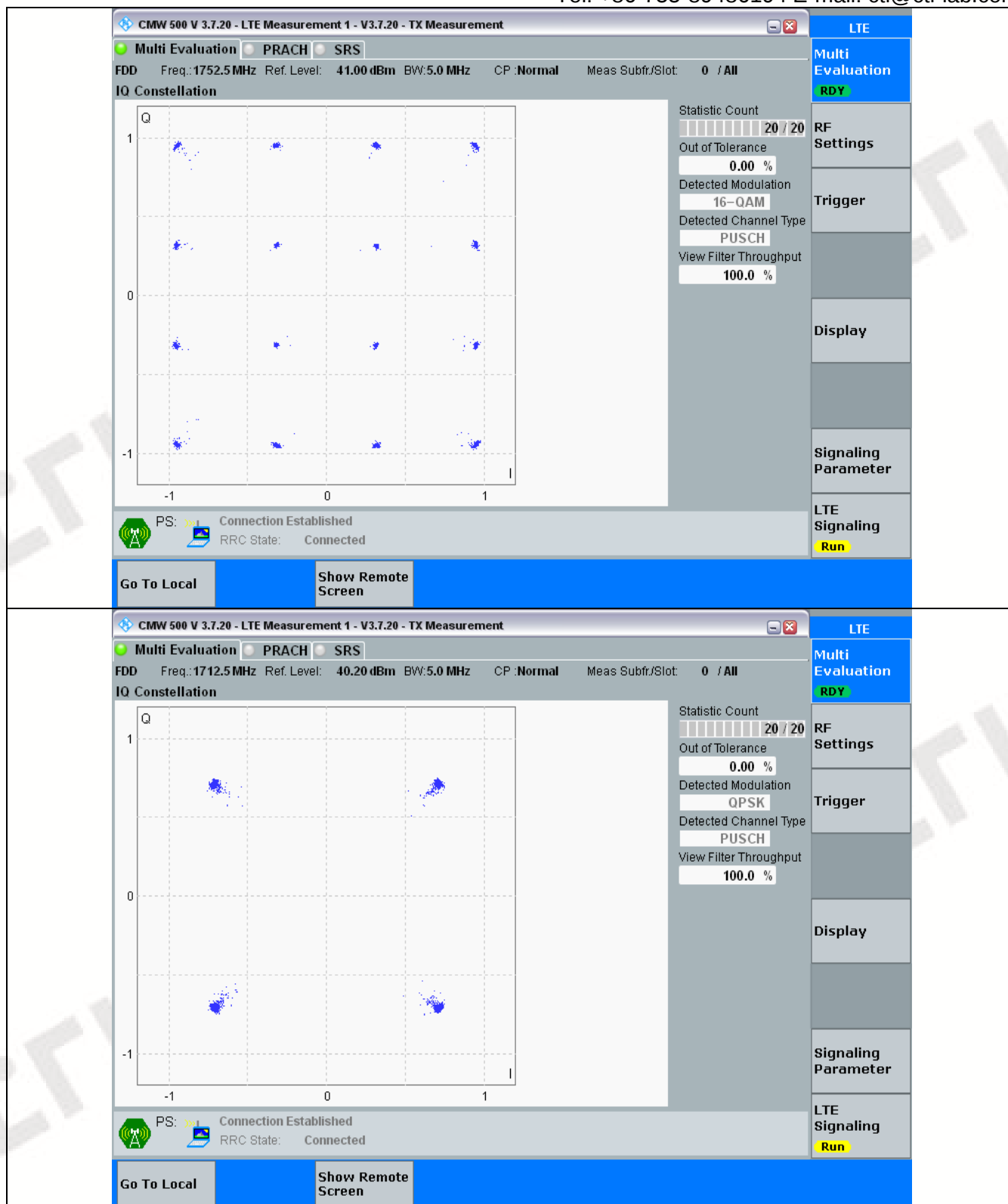


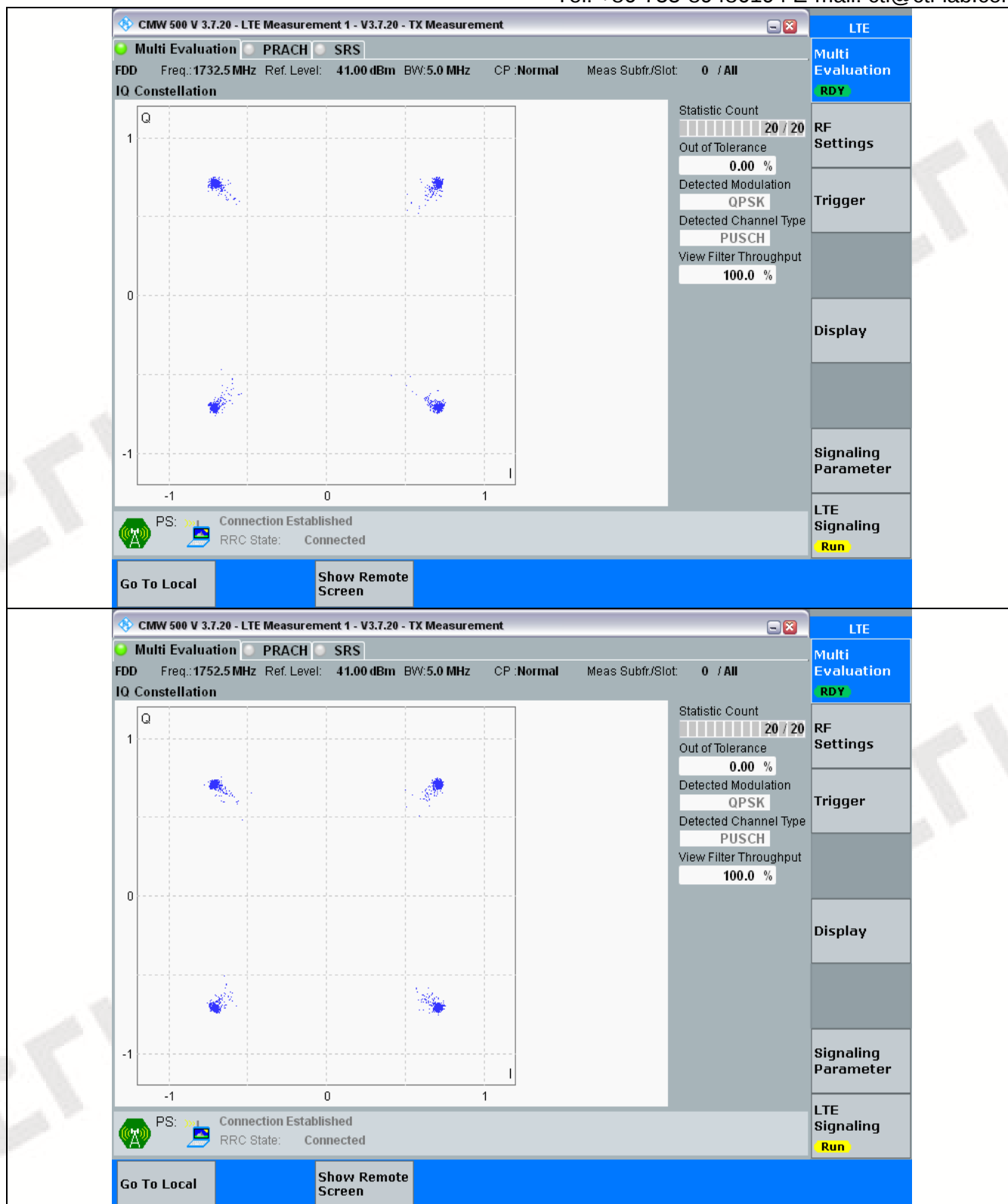




3.1 Test Graph





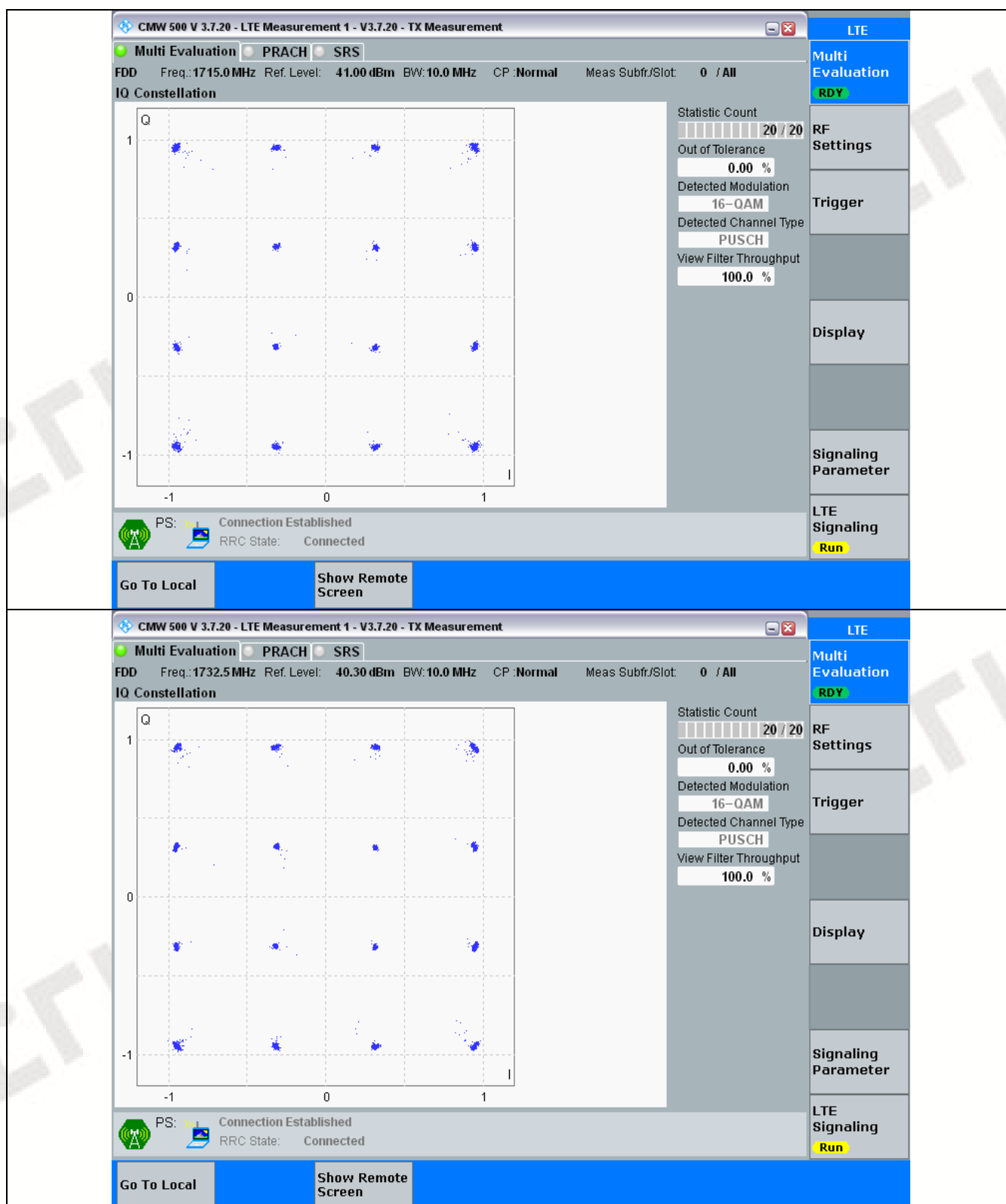


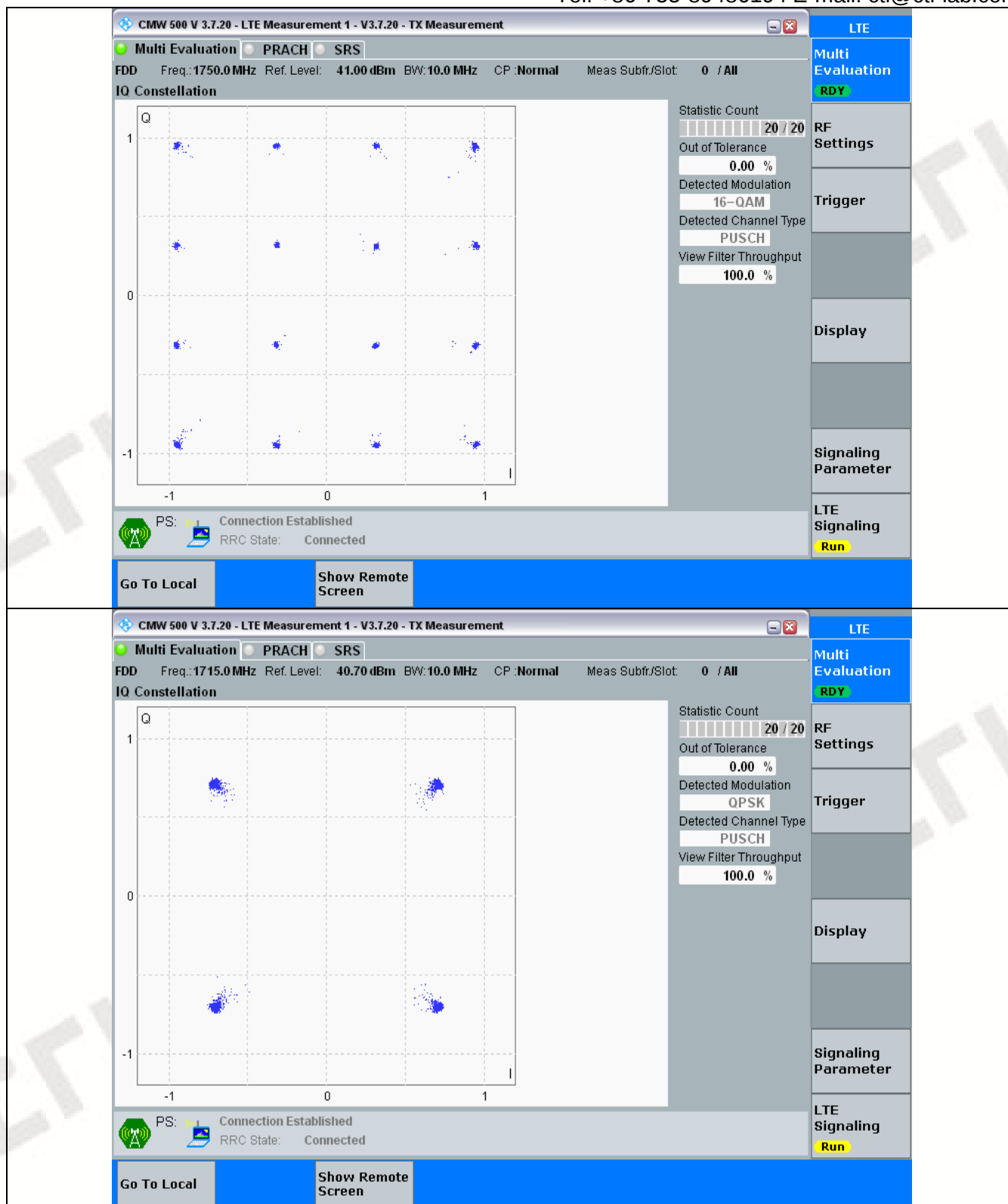


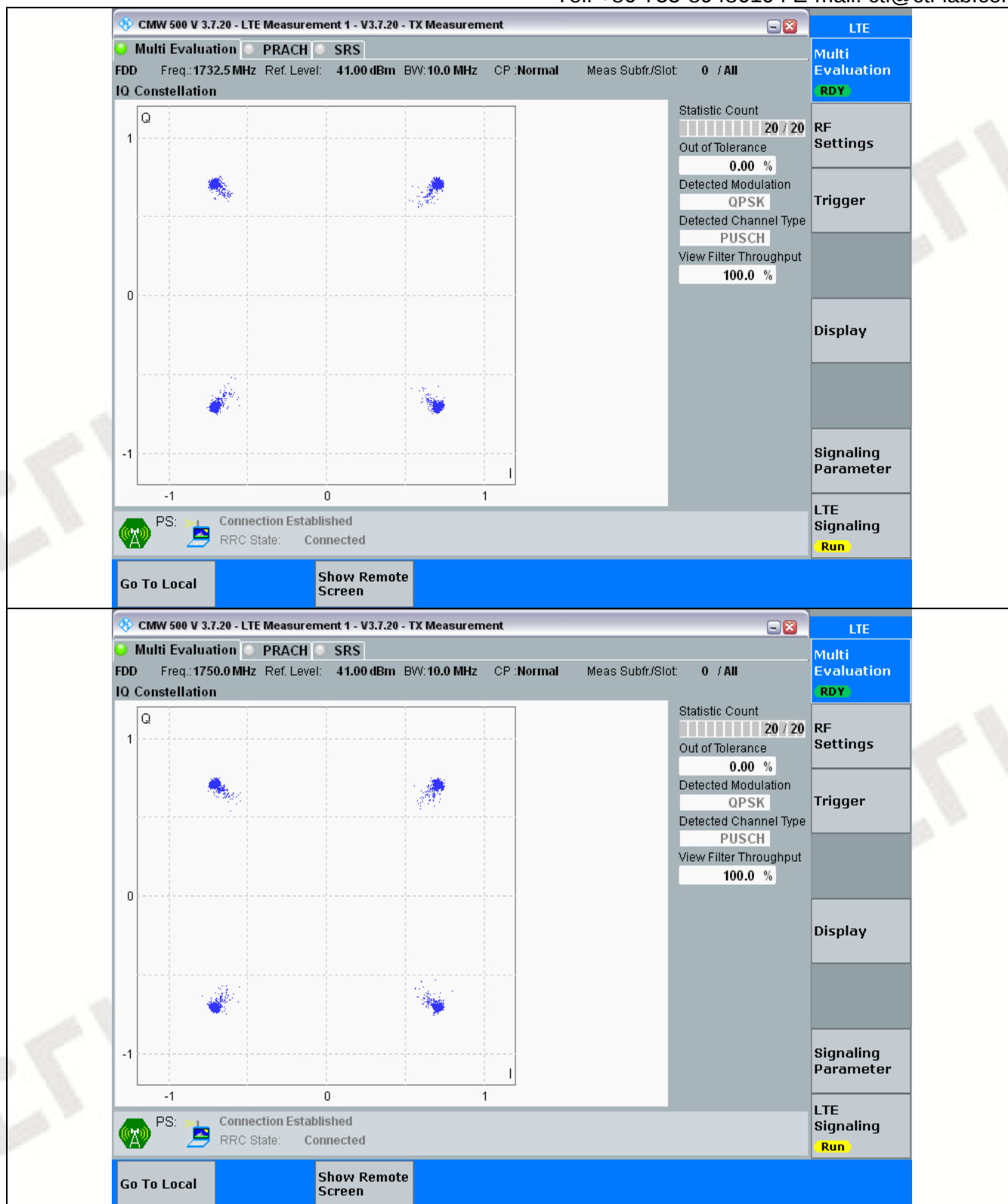
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3.1 Test Graph





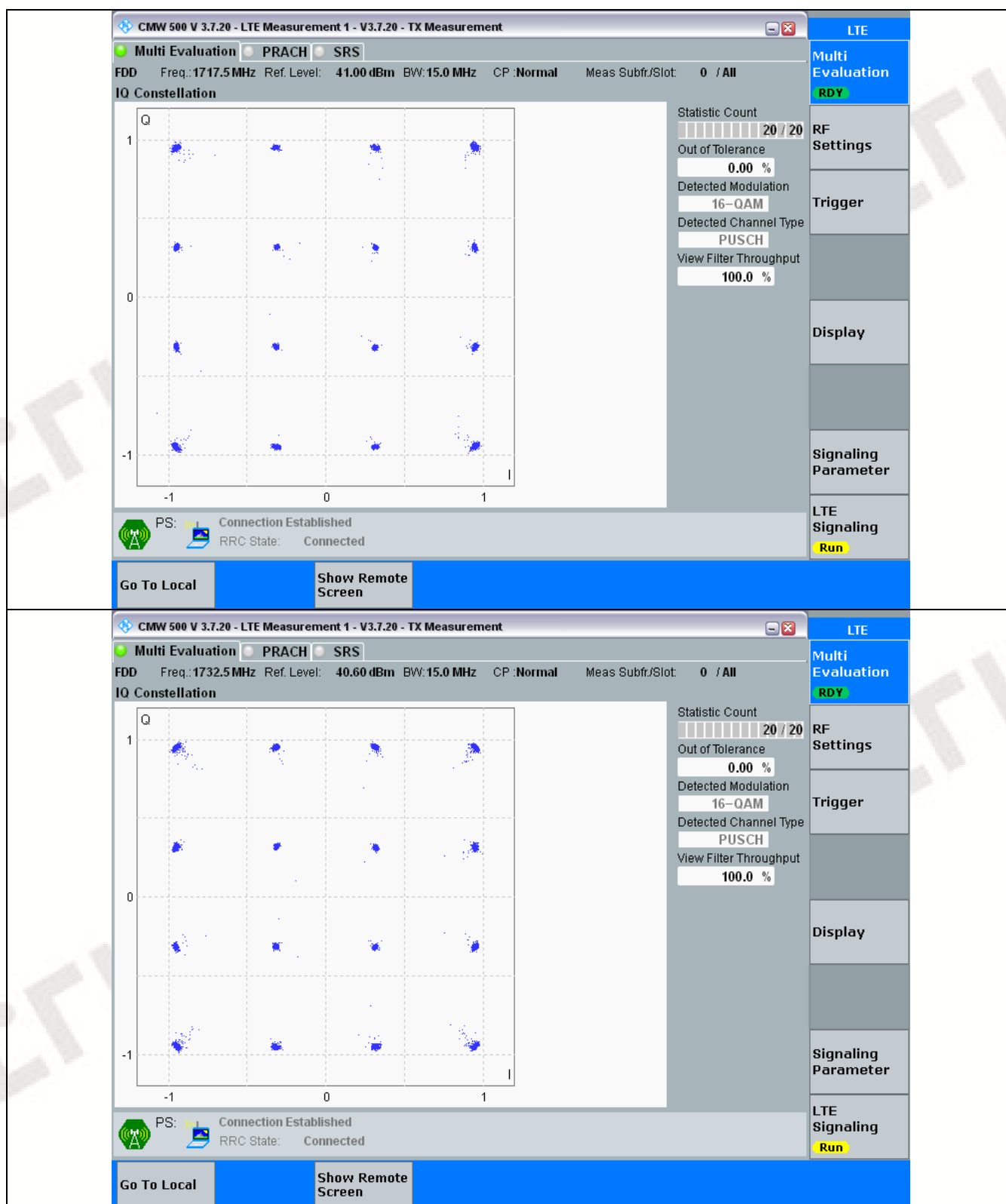


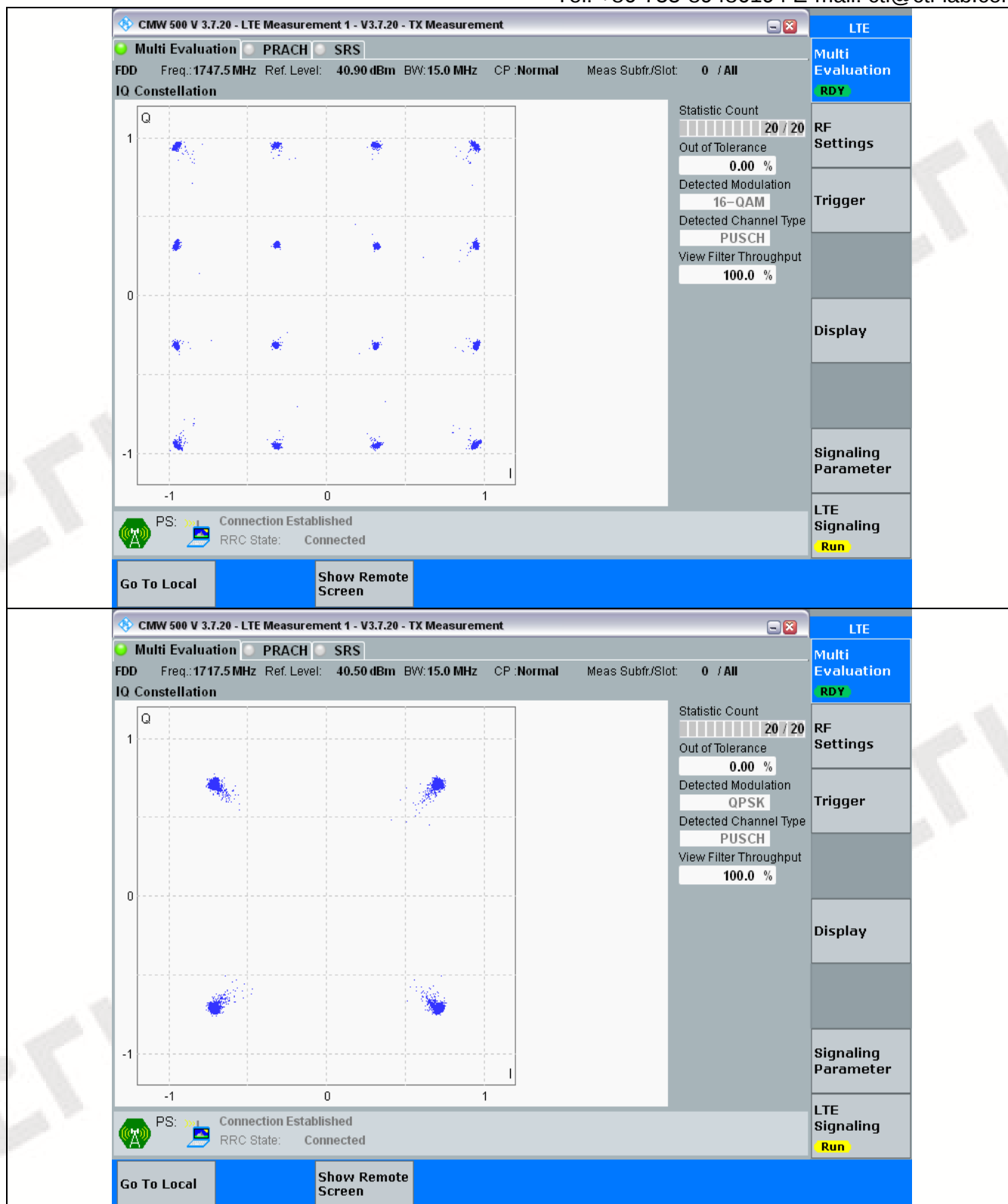


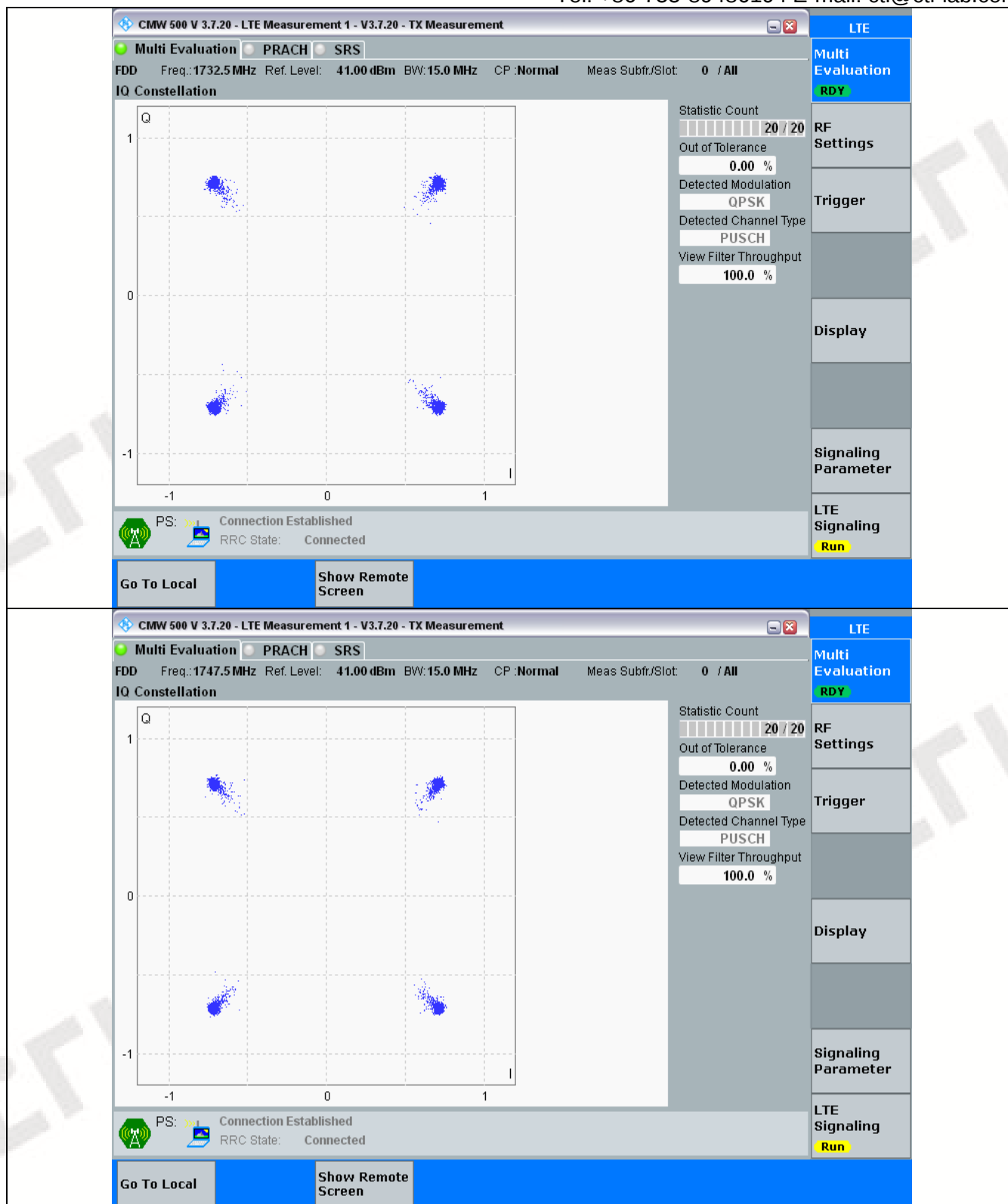
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3.1 Test Graph





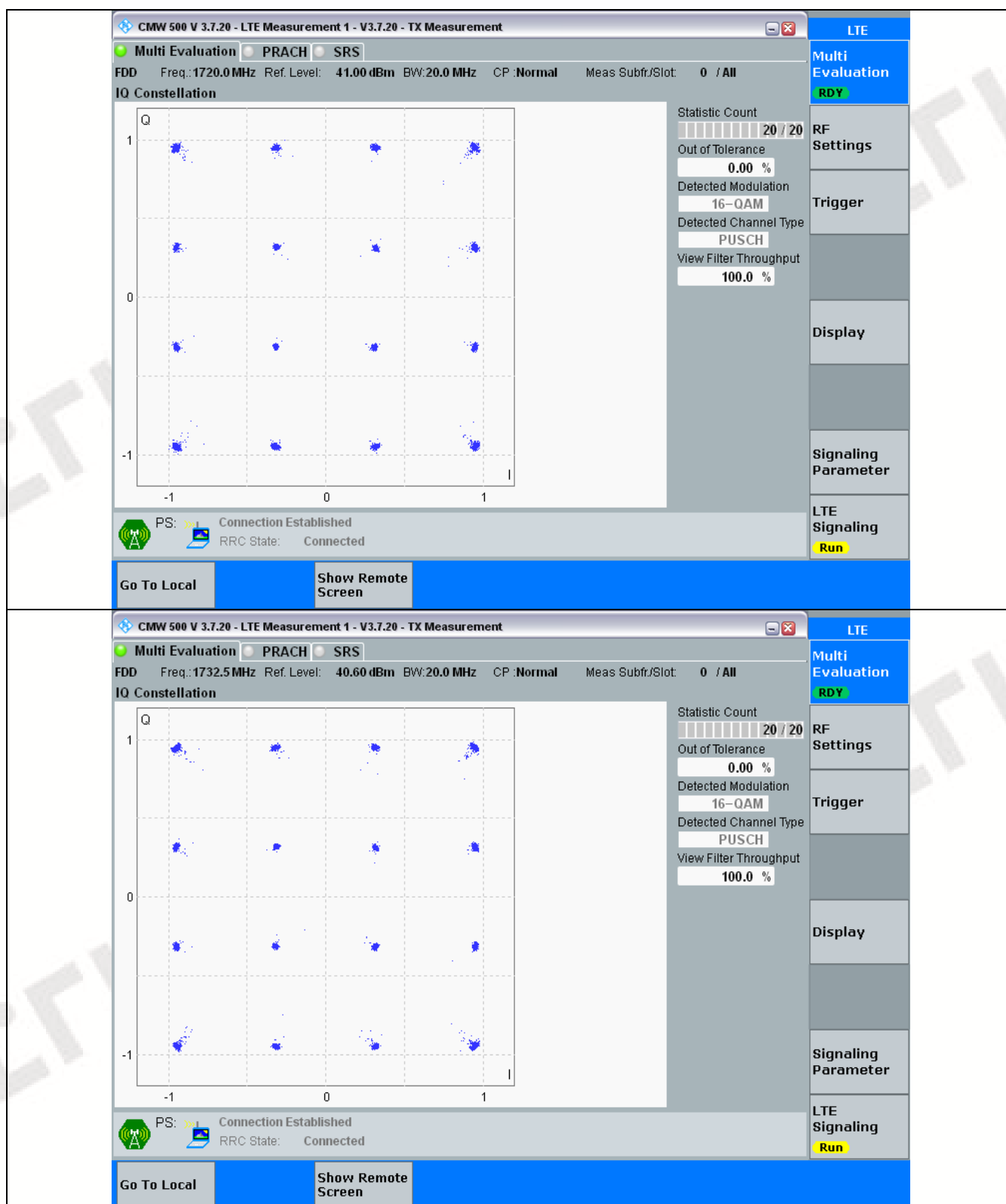


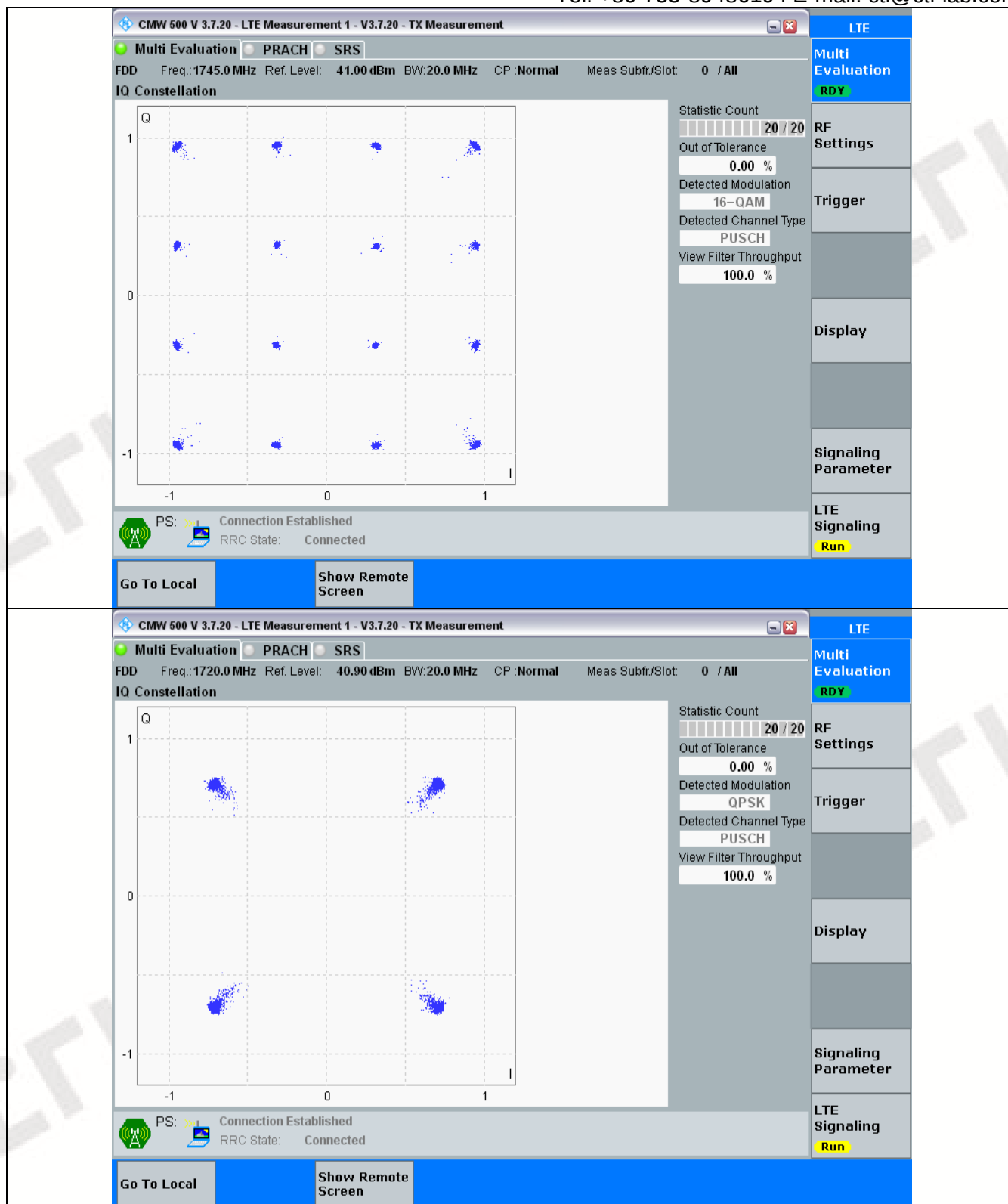


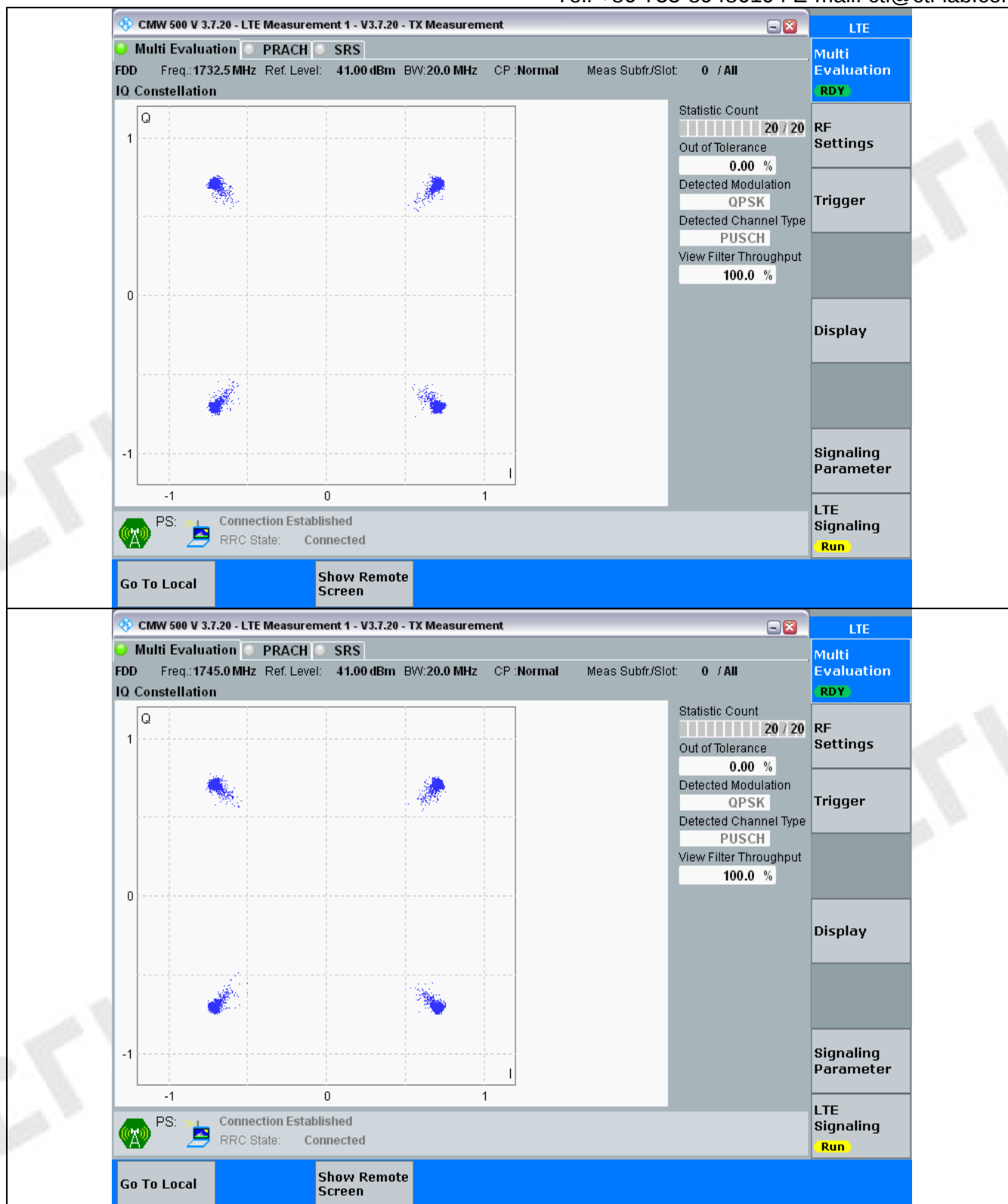
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3.1 Test Graph







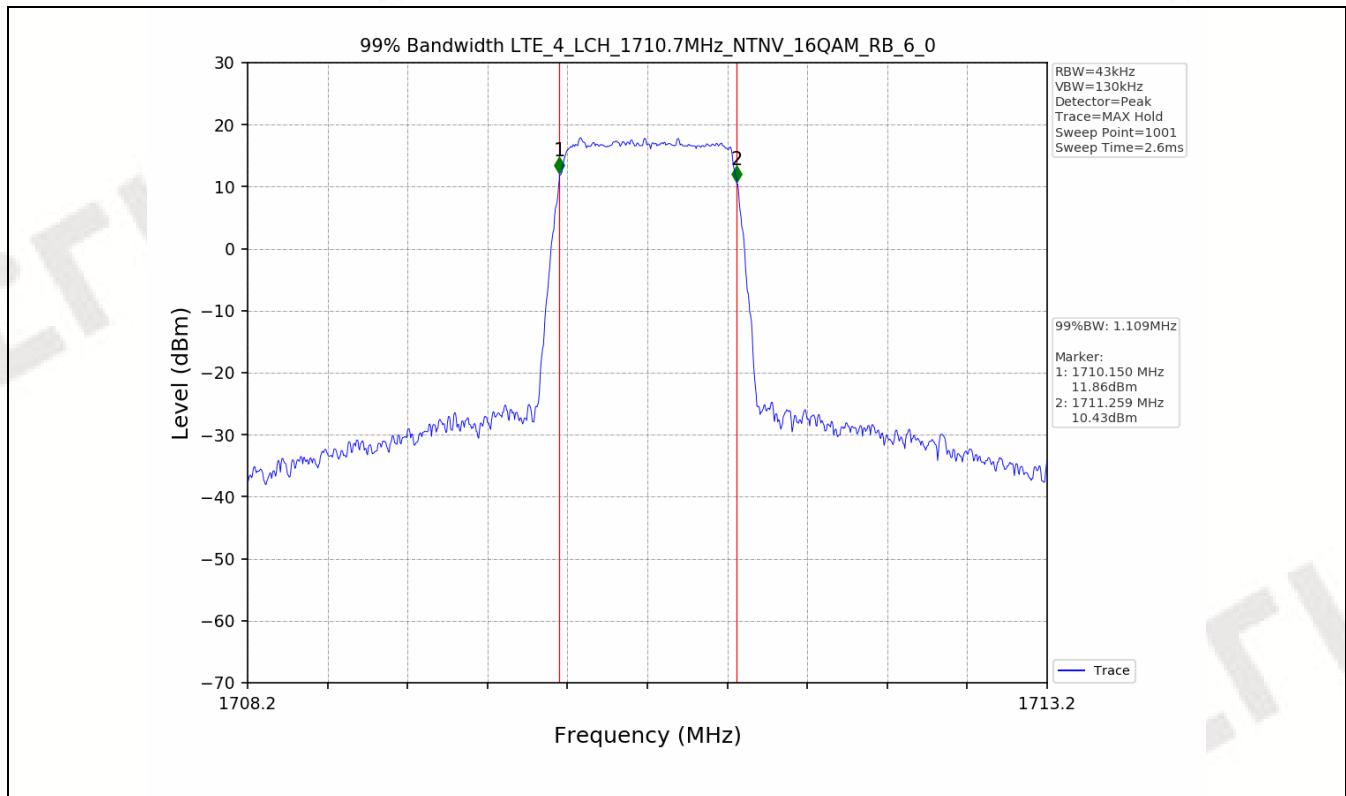


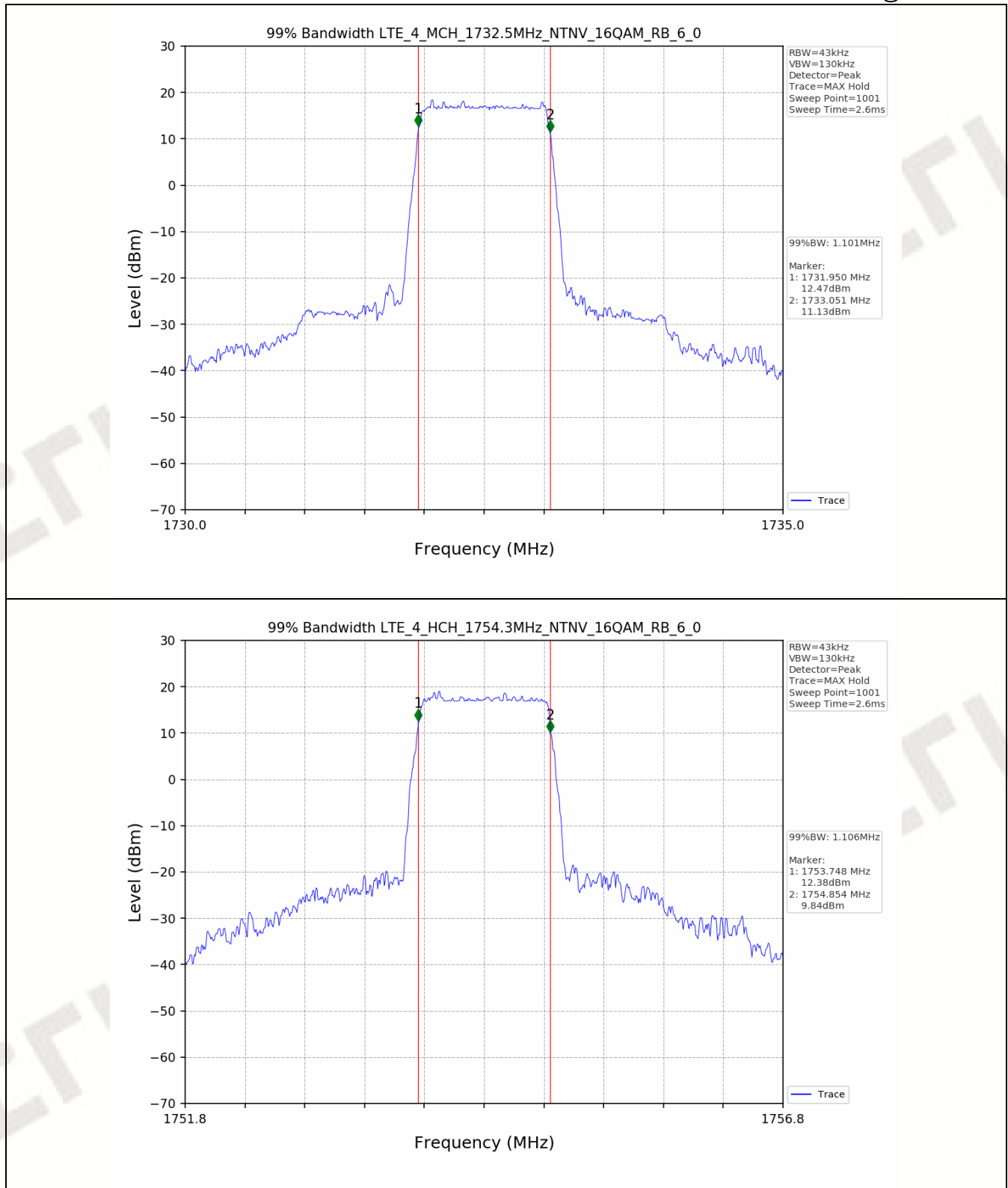
4. 99% & 26dB Bandwidth

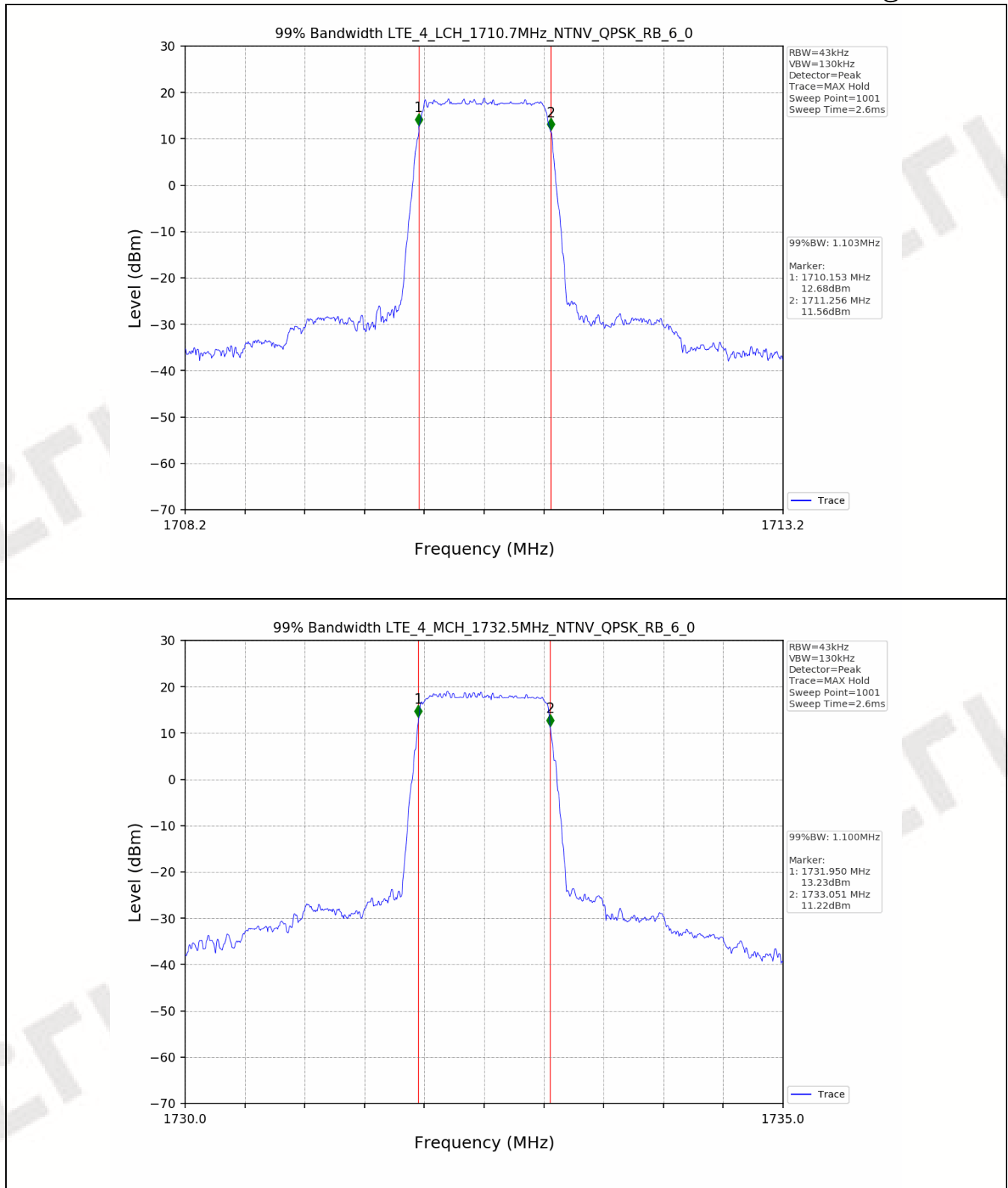
4.1 Test Result

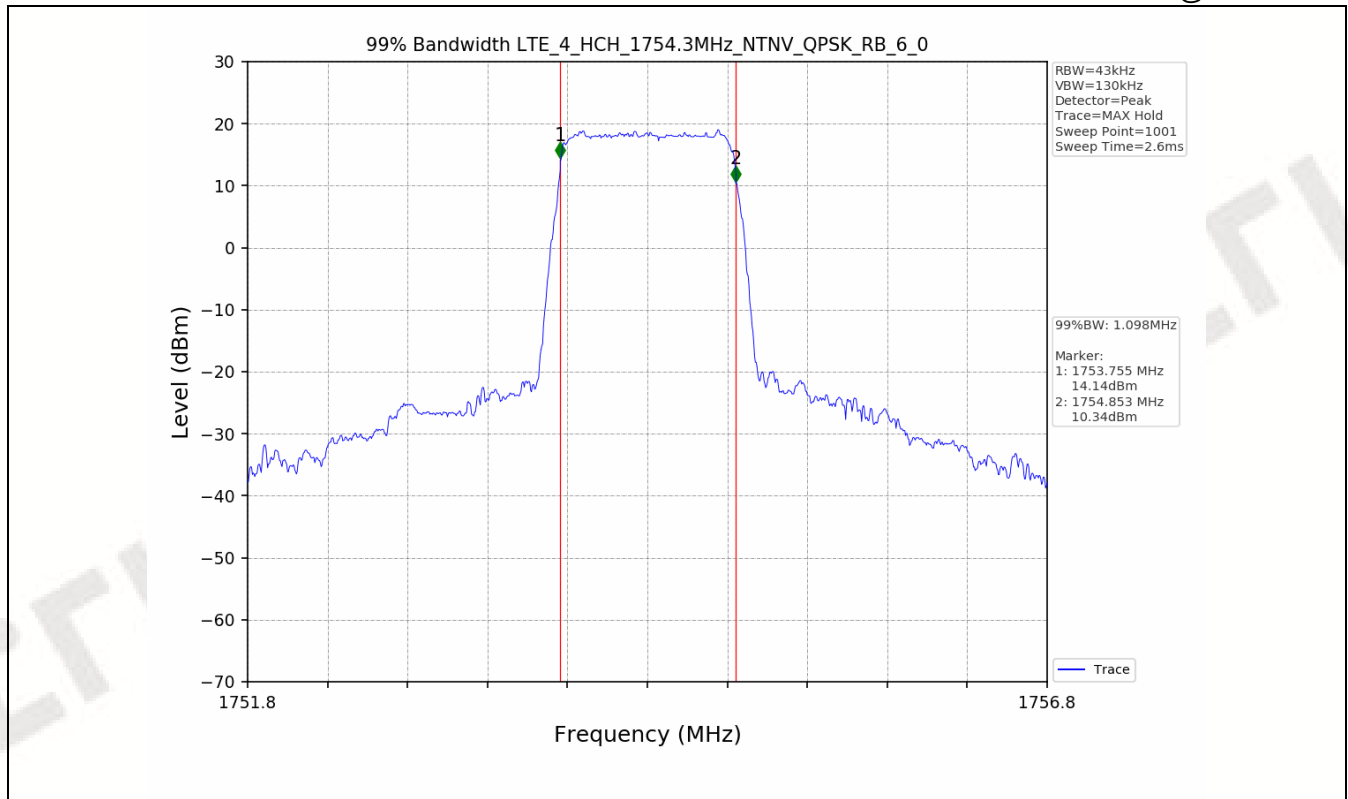
Test Band: 4_1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.103	1.100	1.098	N/A	PASS
16QAM	6	0	1.109	1.101	1.106	N/A	PASS

4.2 Test Graph





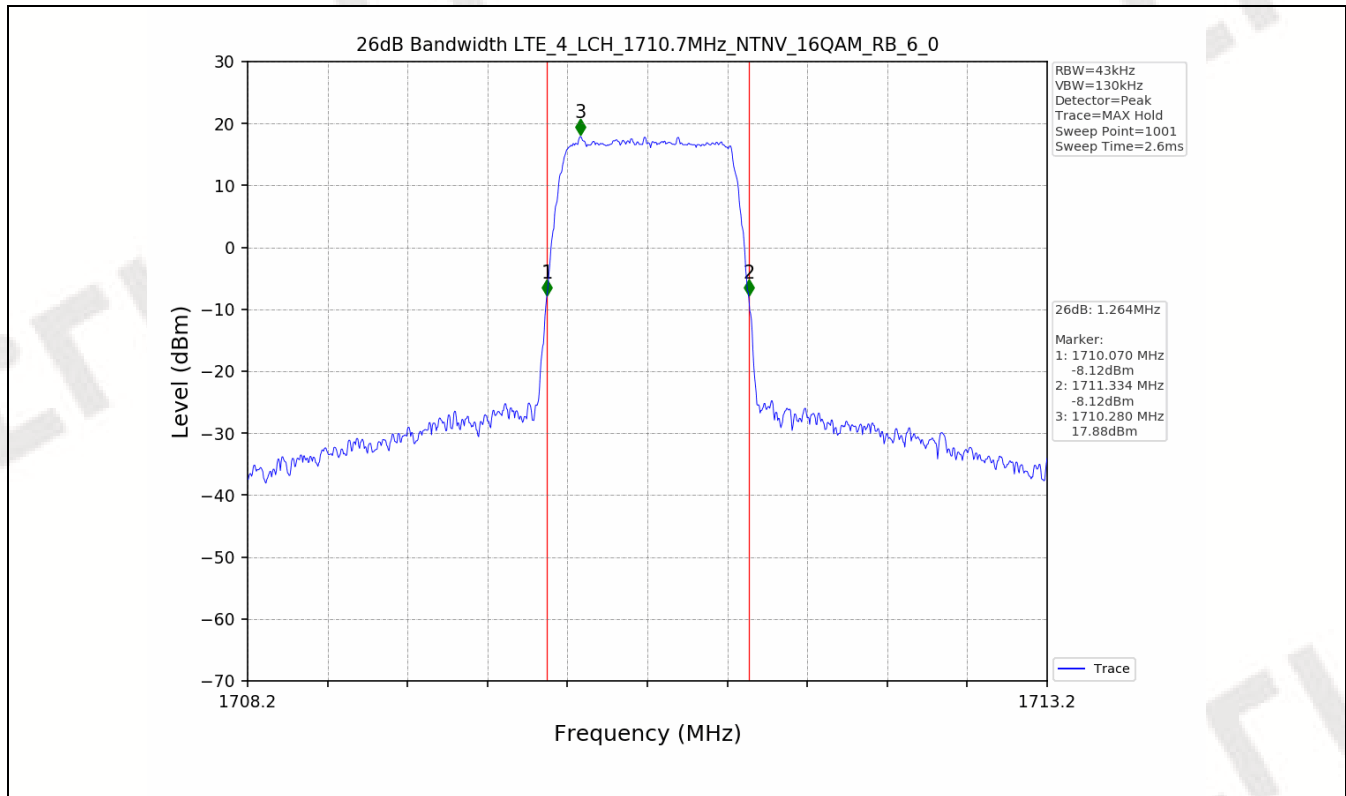


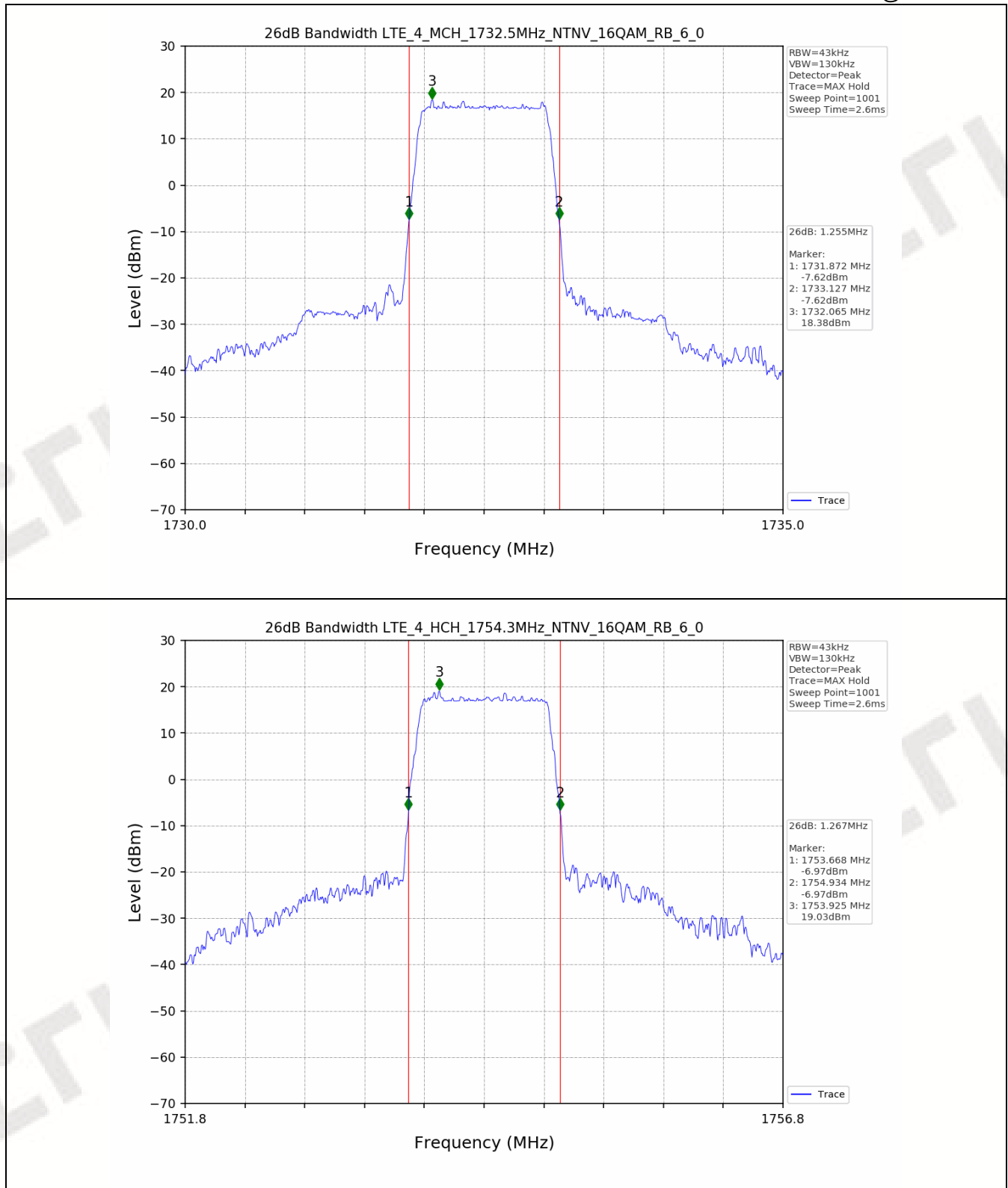


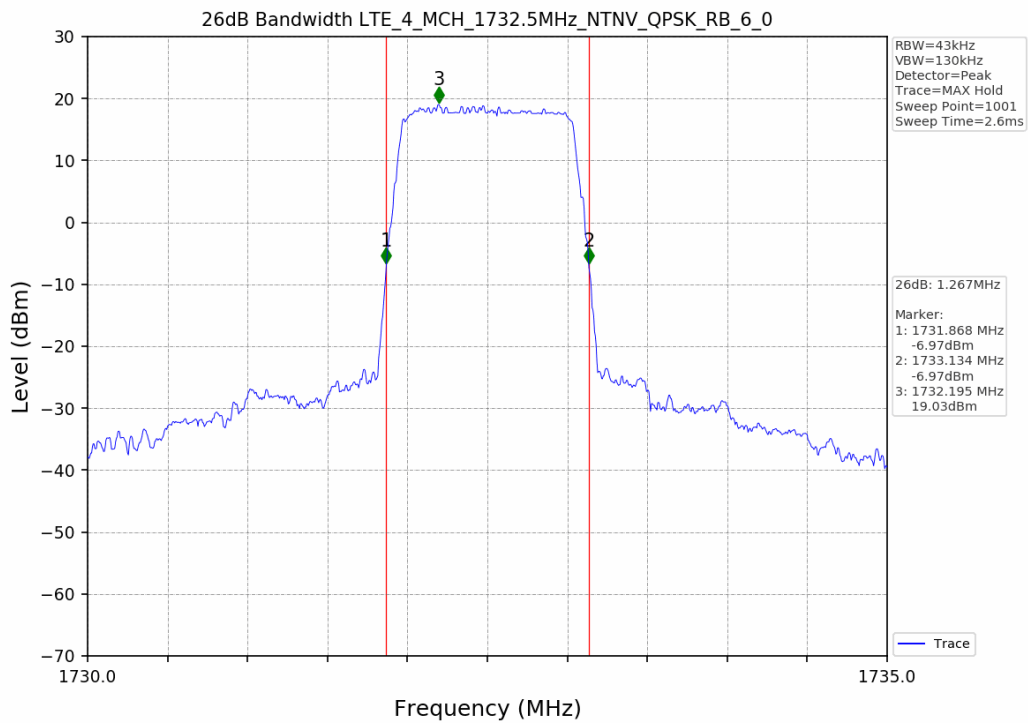
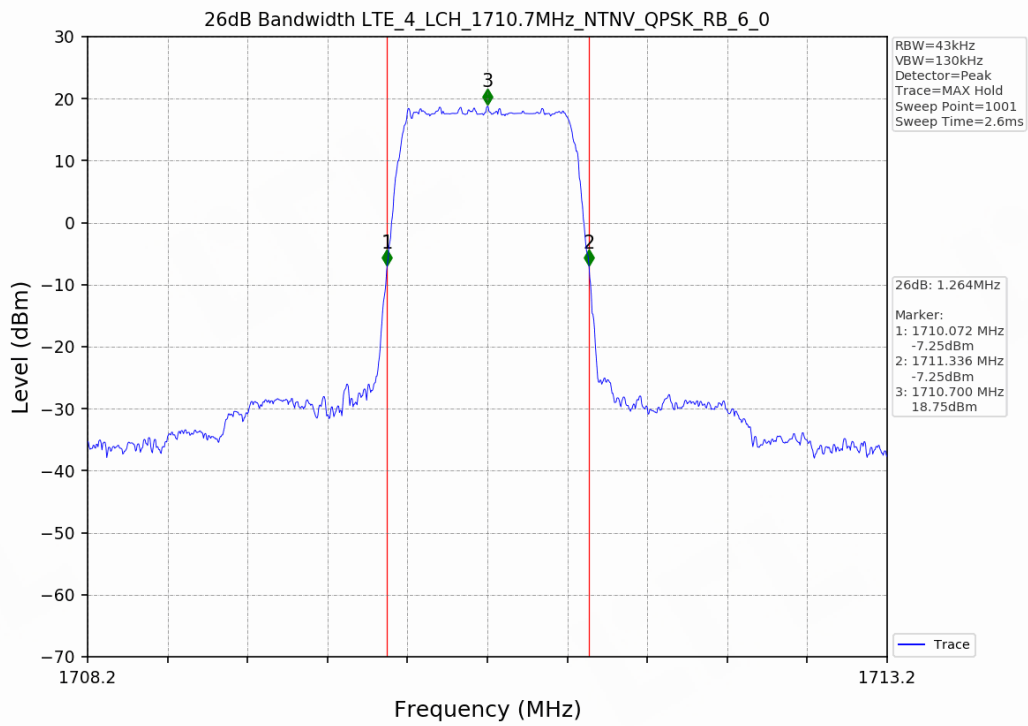


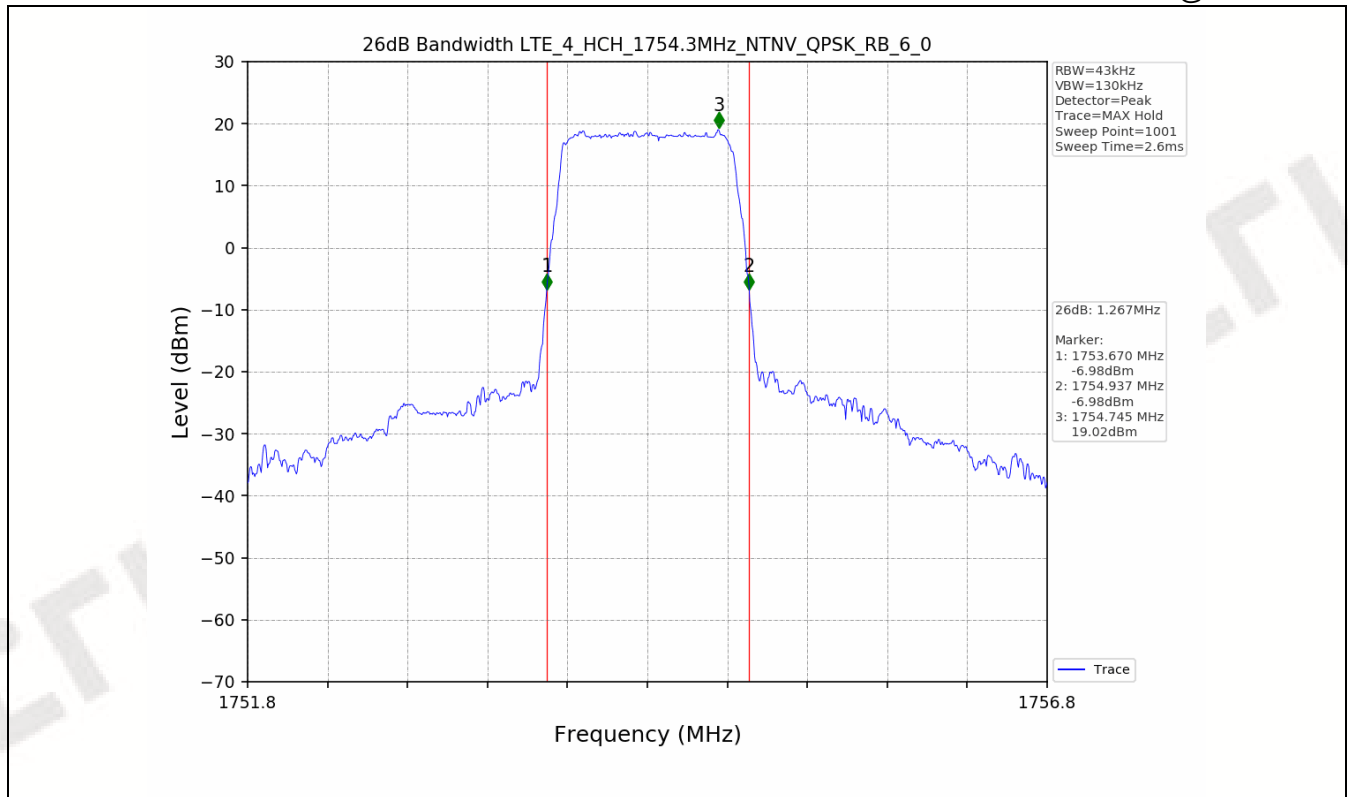
Test Band: 4 1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.264	1.267	1.267	N/A	PASS
16QAM	6	0	1.264	1.255	1.267	N/A	PASS

4.2 Test Graph





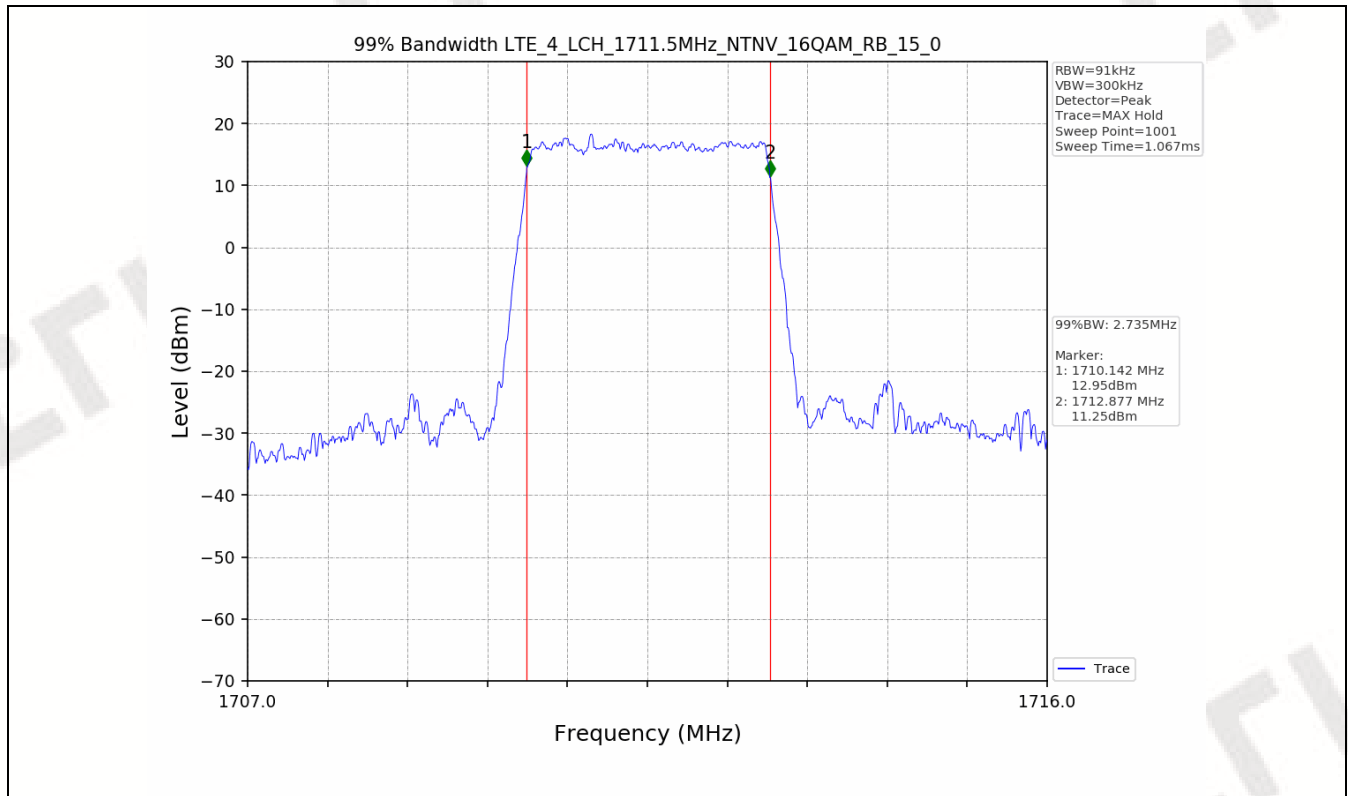


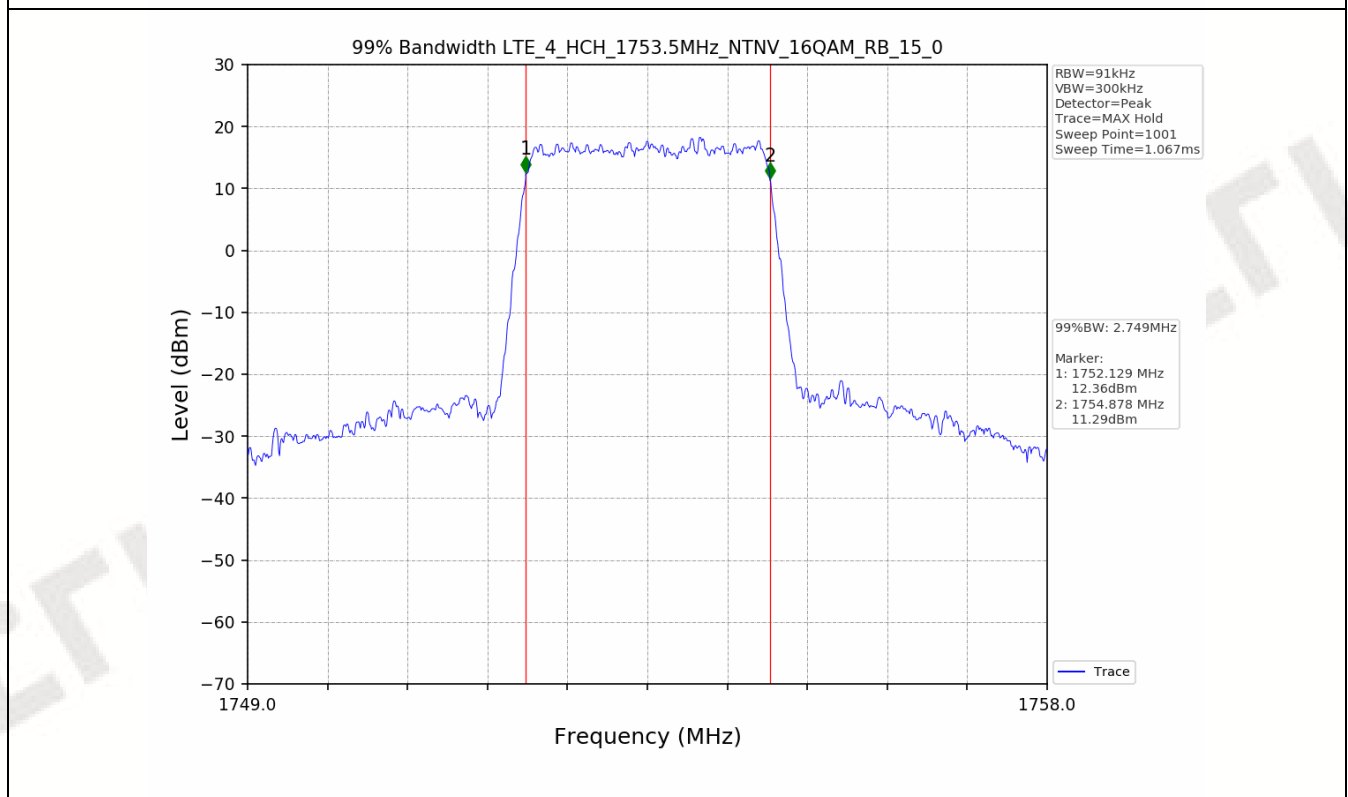
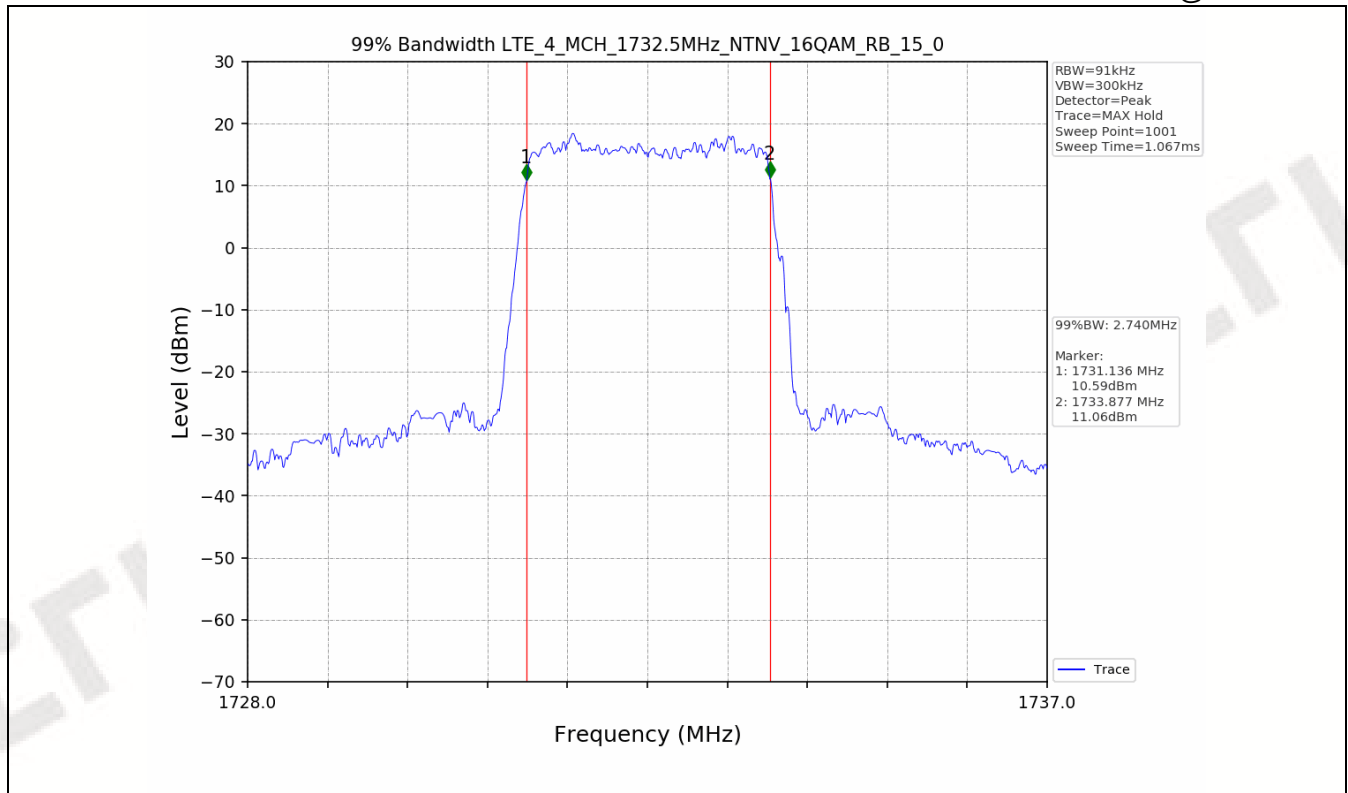


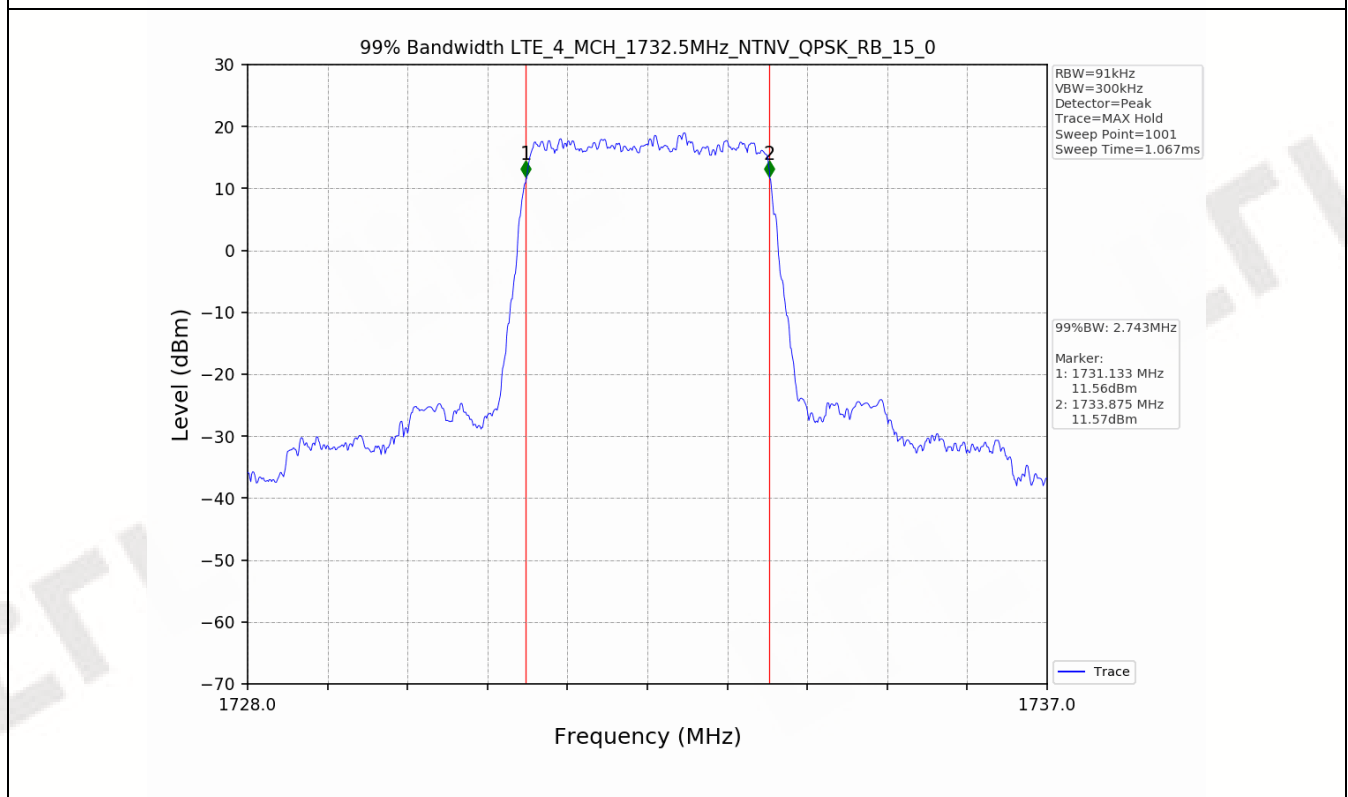
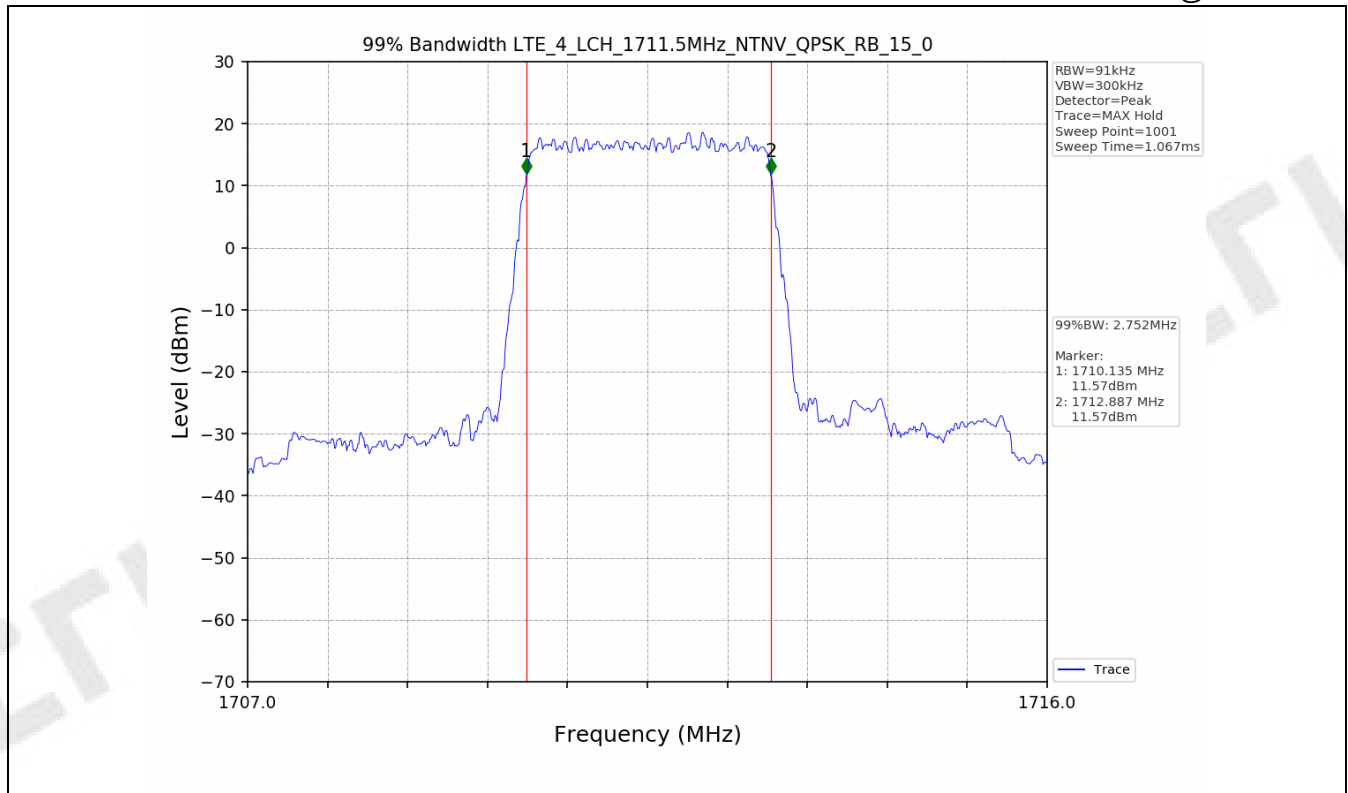


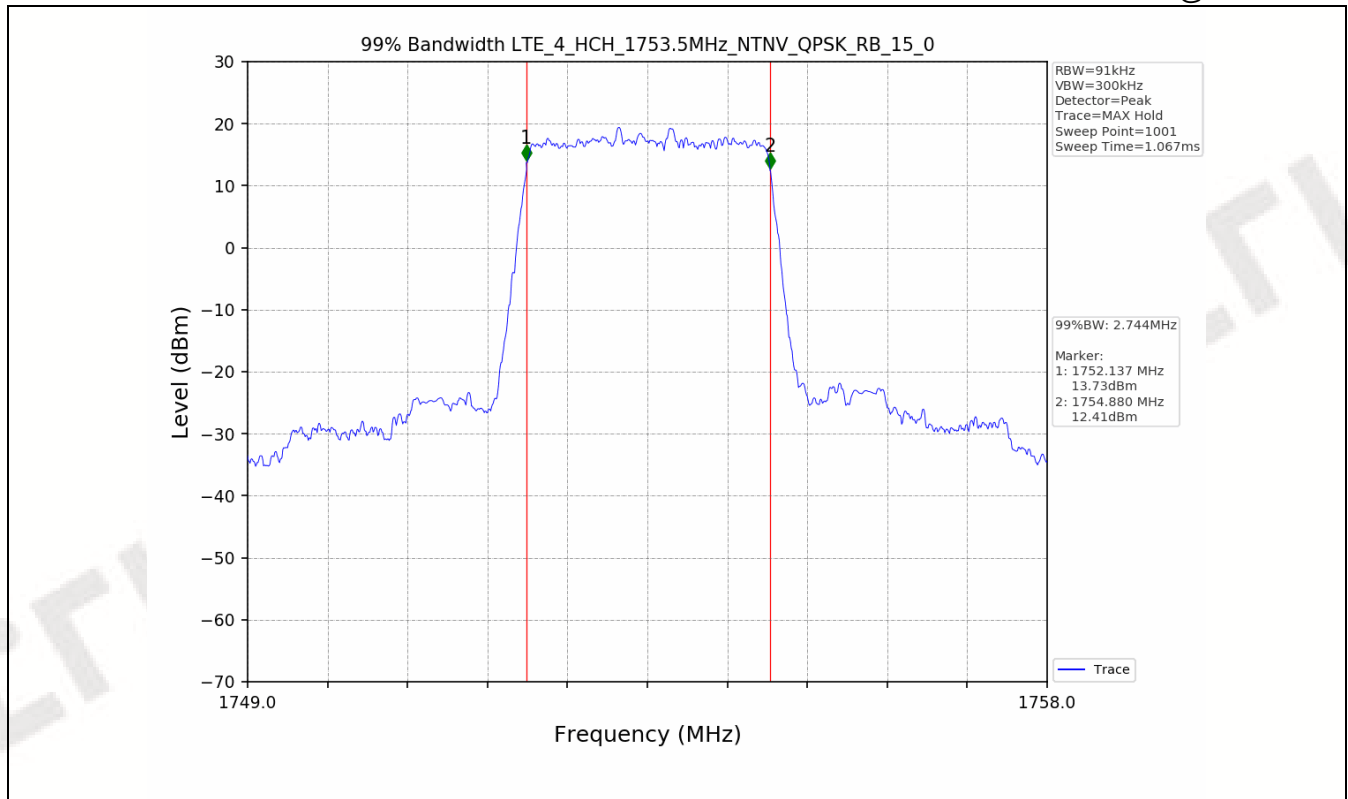
Test Band: 4 3MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.752	2.743	2.744	N/A	PASS
16QAM	15	0	2.735	2.740	2.749	N/A	PASS

4.2 Test Graph





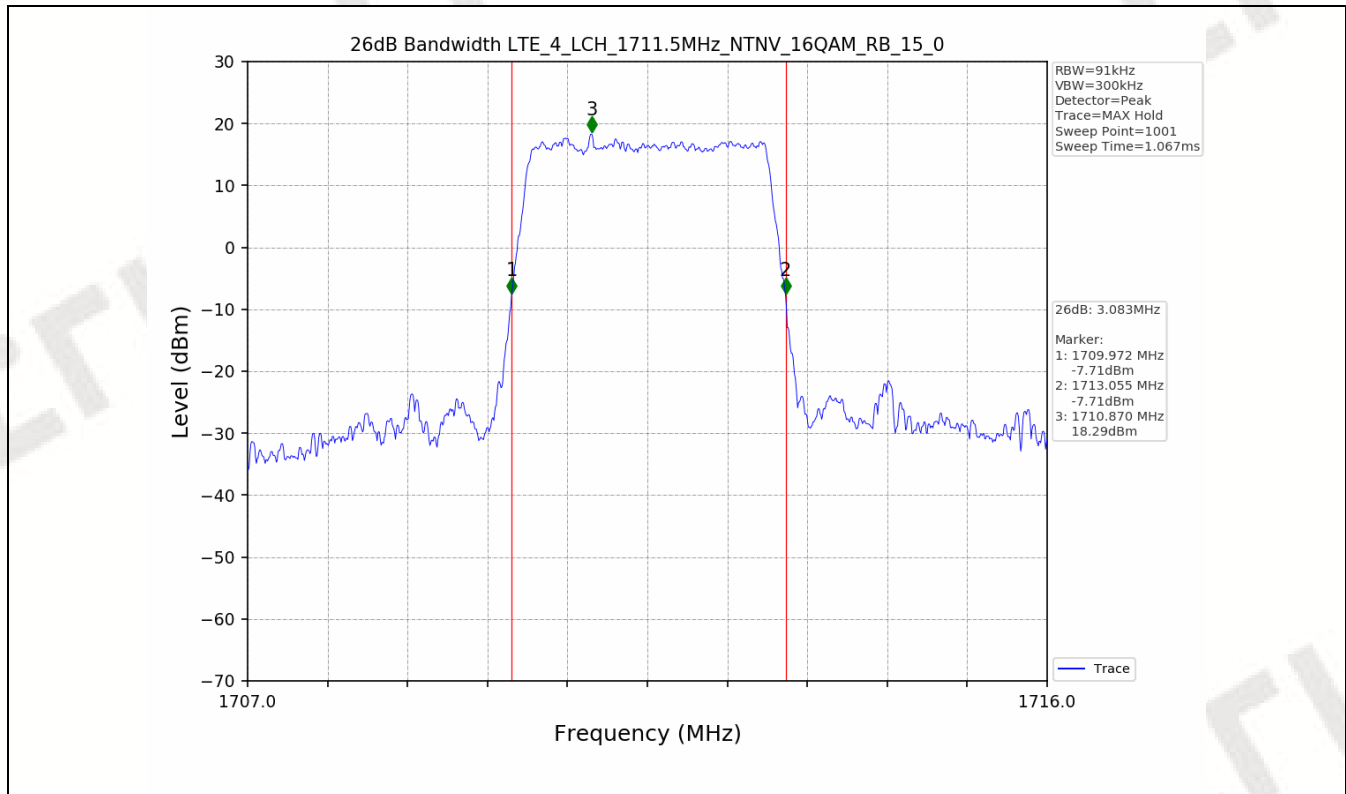


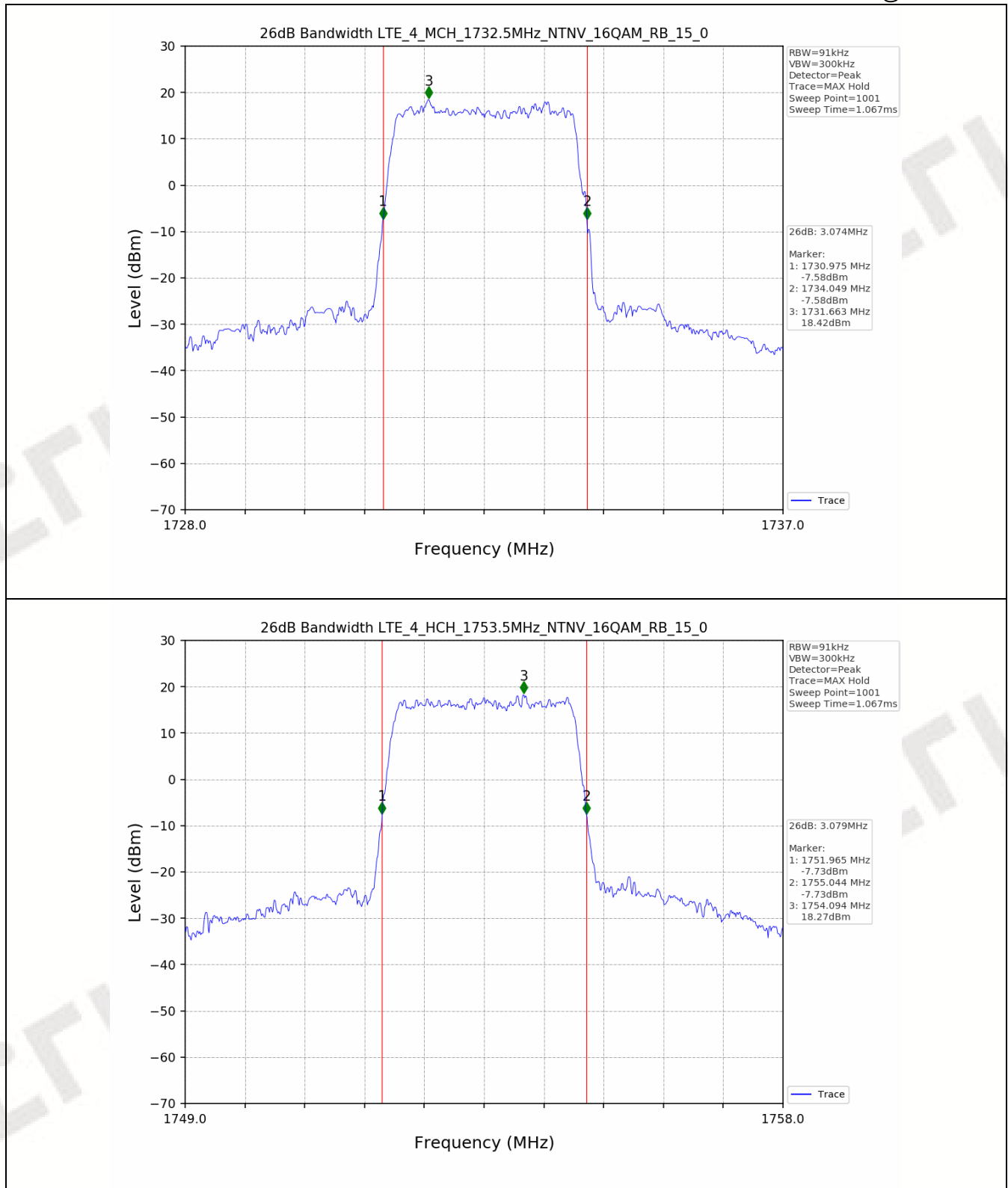




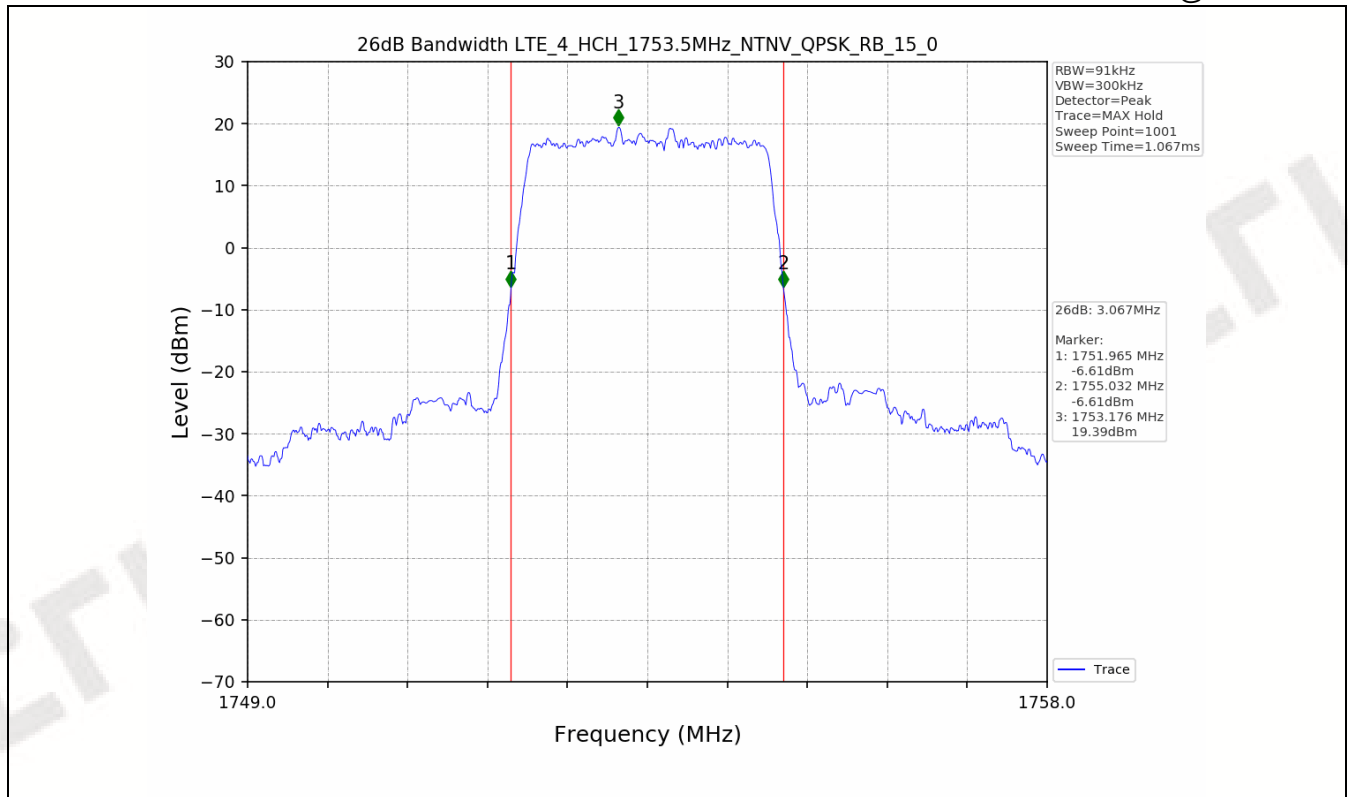
Test Band: 4 3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	3.071	3.053	3.067	N/A	PASS
16QAM	15	0	3.083	3.074	3.079	N/A	PASS

4.2 Test Graph





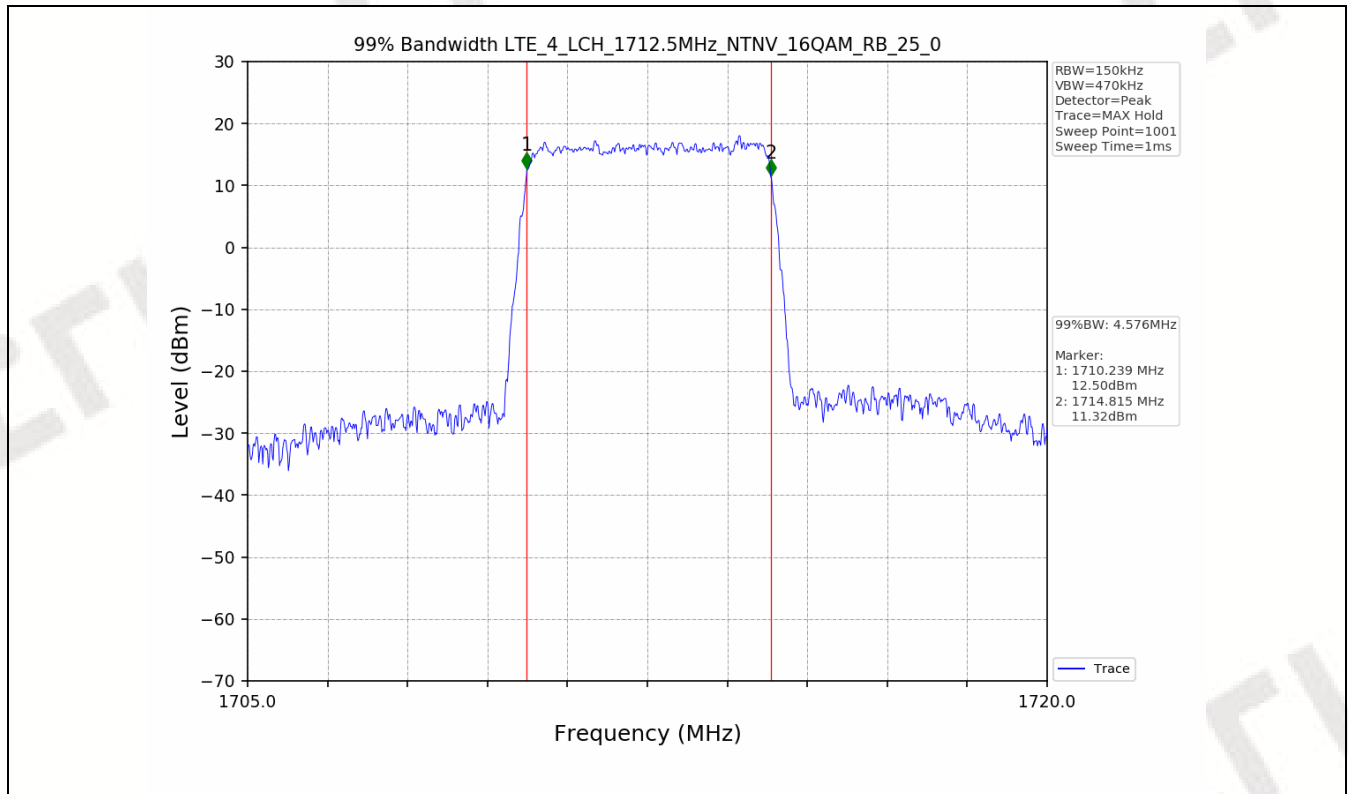


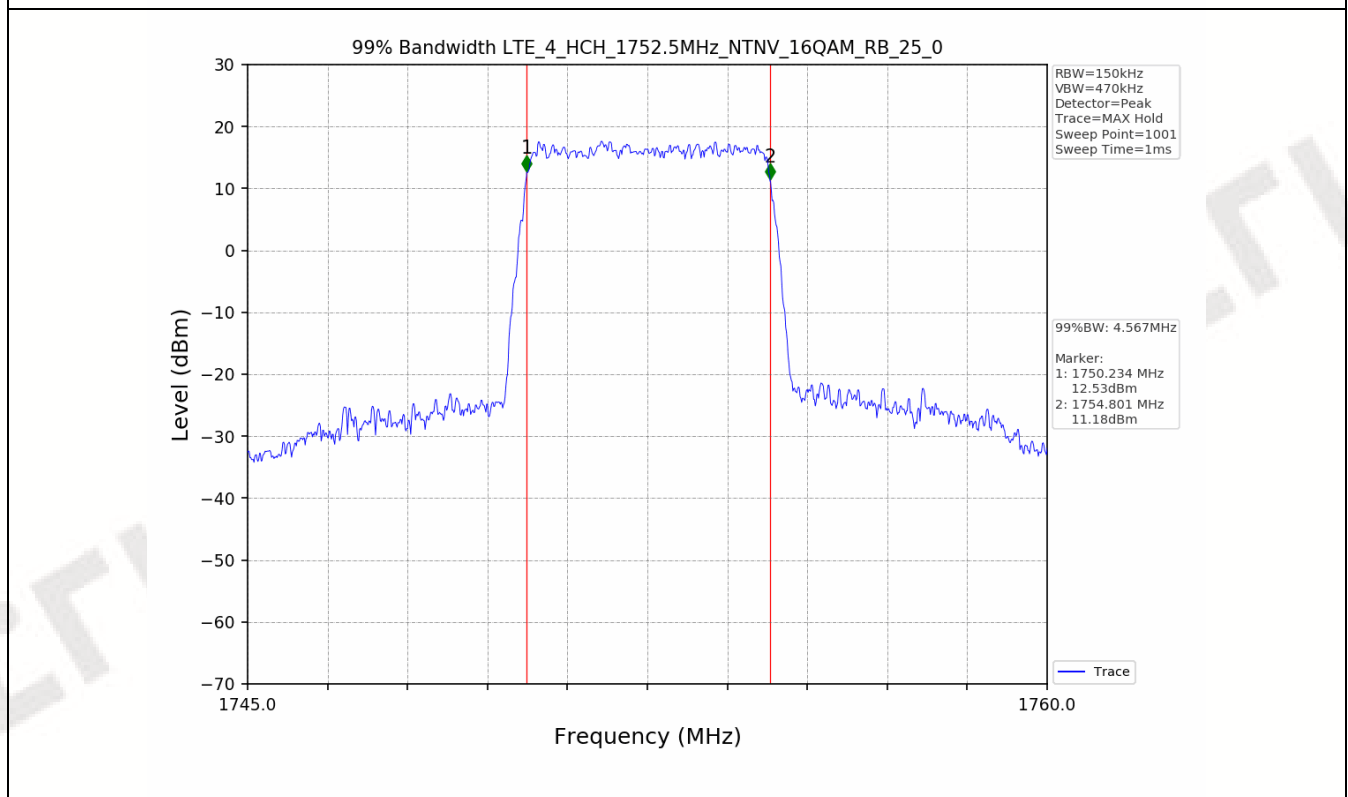
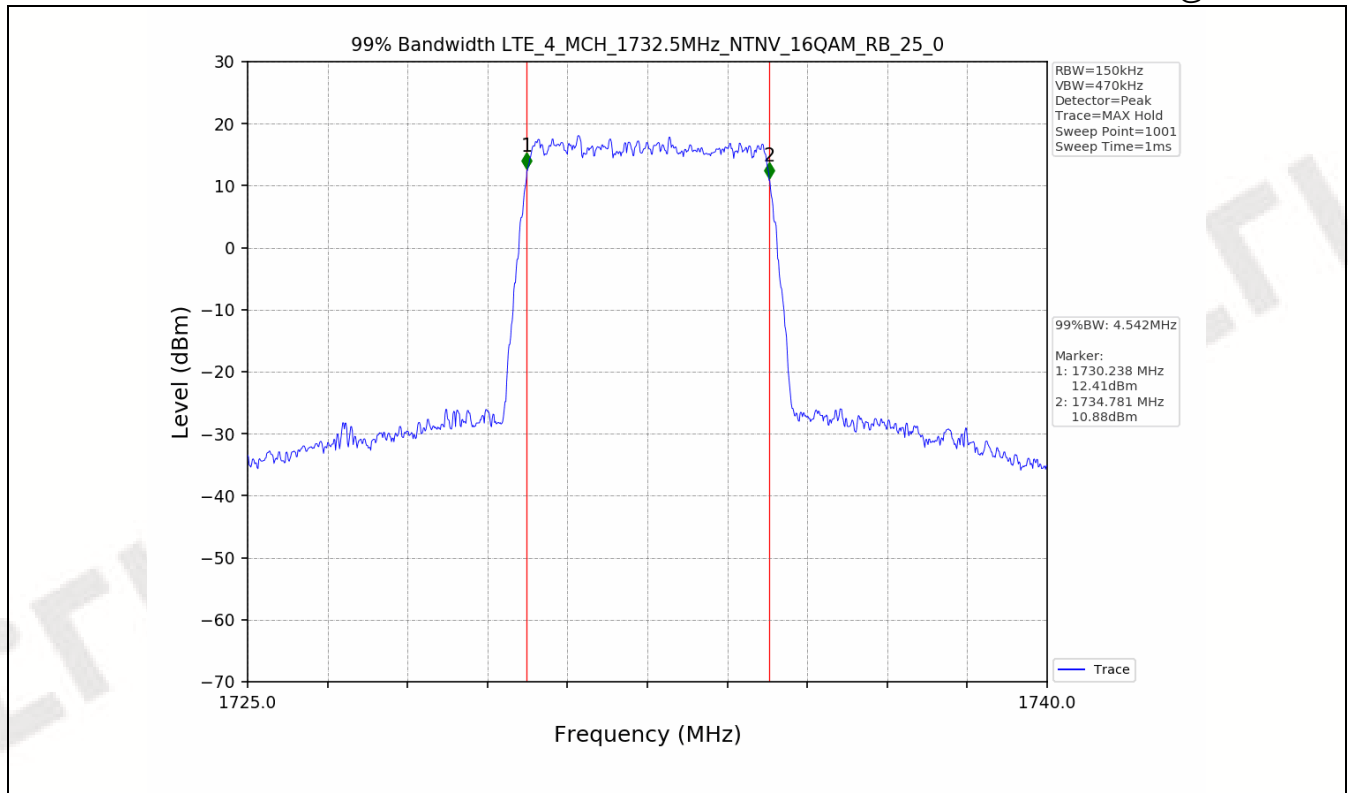


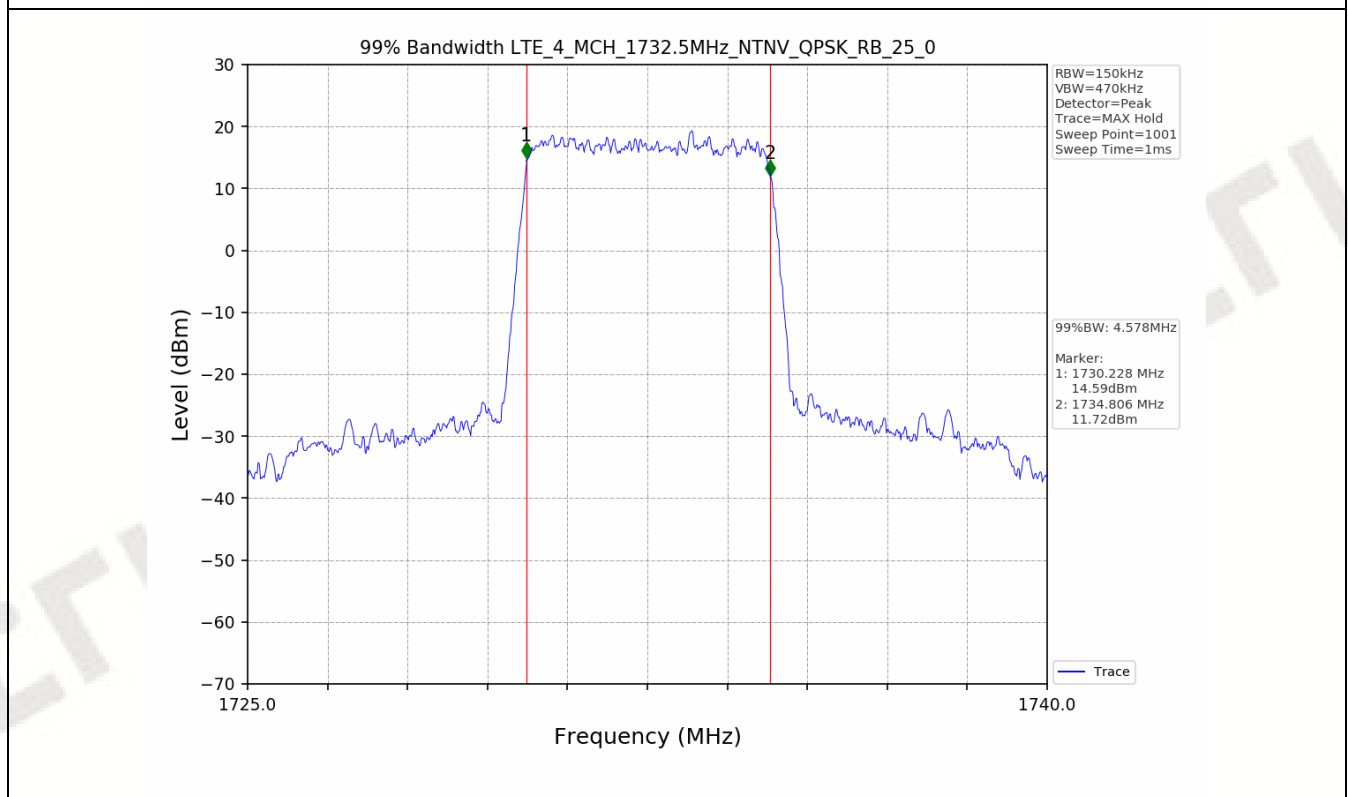
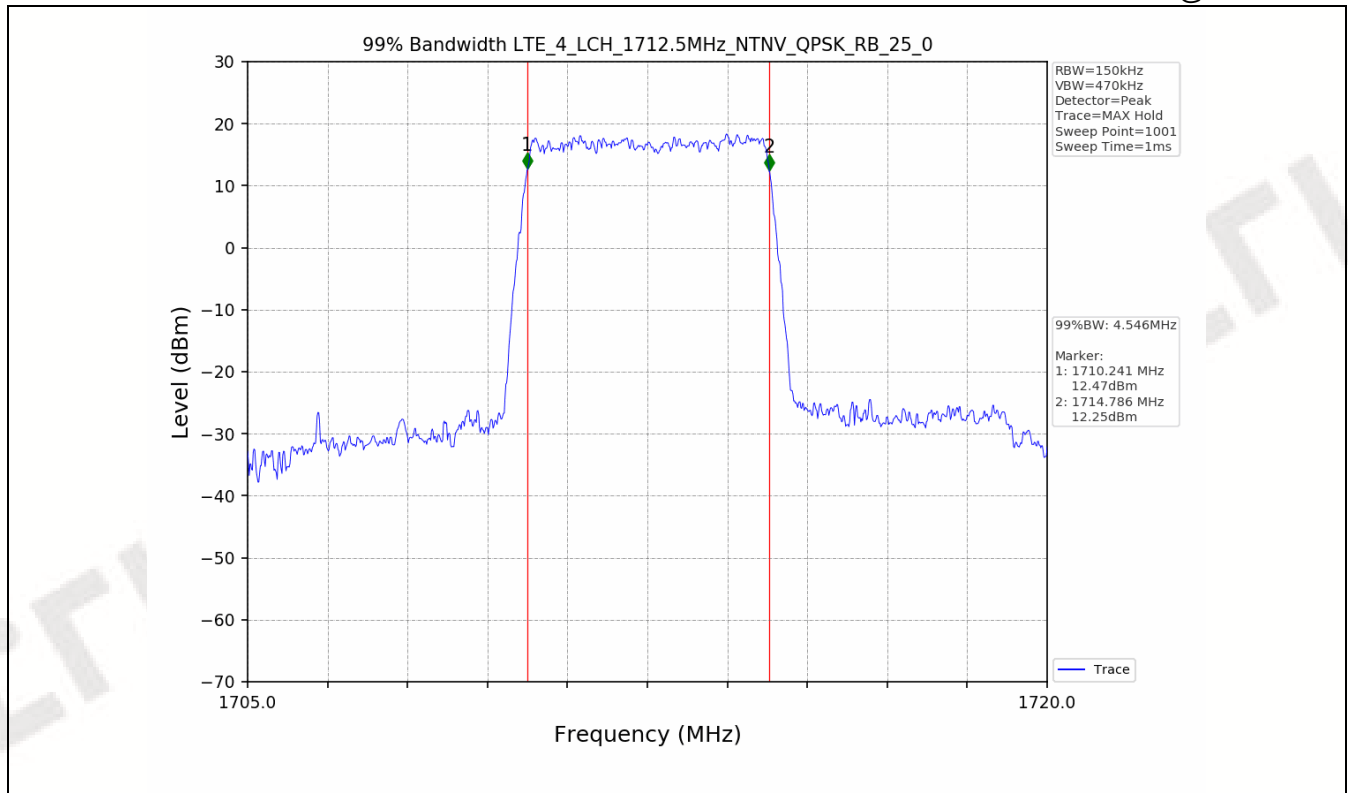


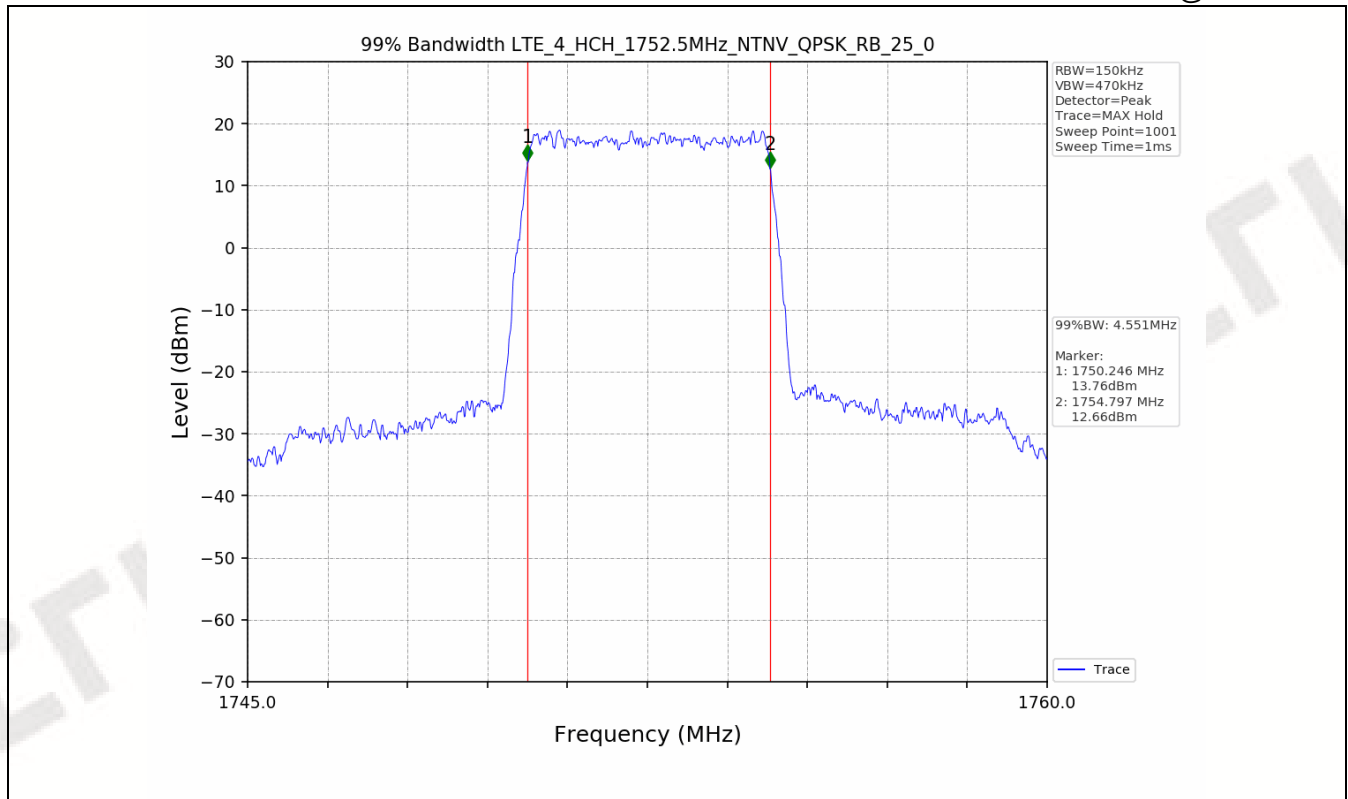
Test Band: 4 5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.546	4.578	4.551	N/A	PASS
16QAM	25	0	4.576	4.542	4.567	N/A	PASS

4.2 Test Graph





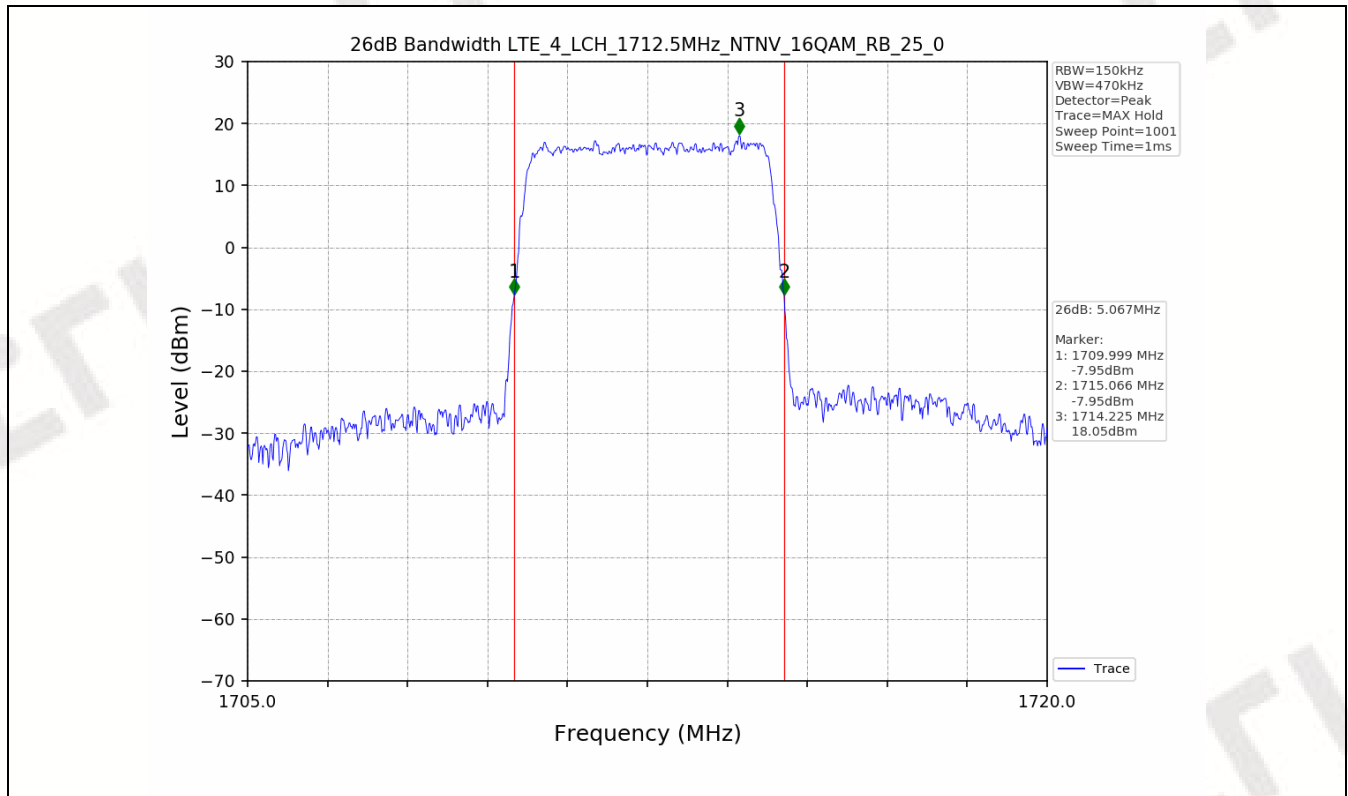


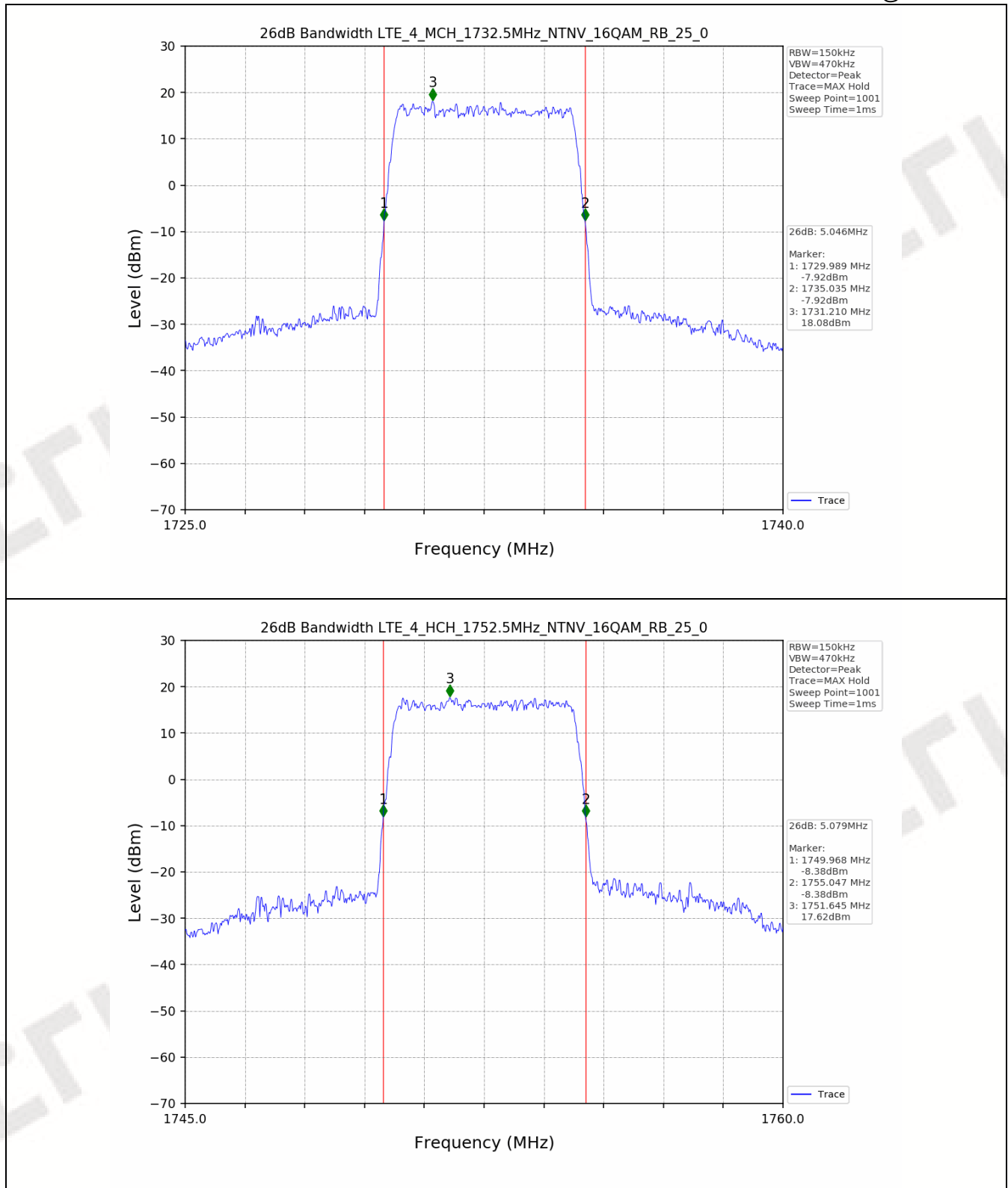


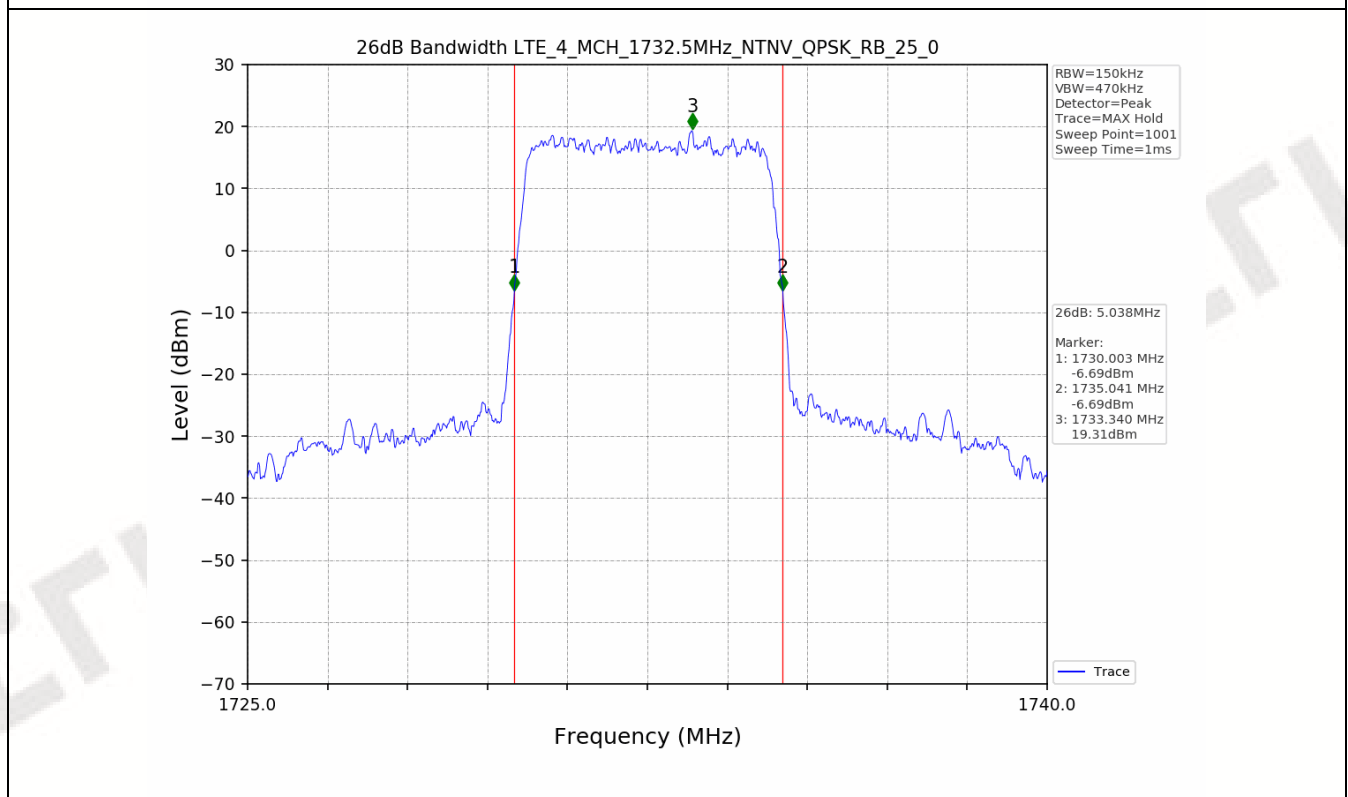
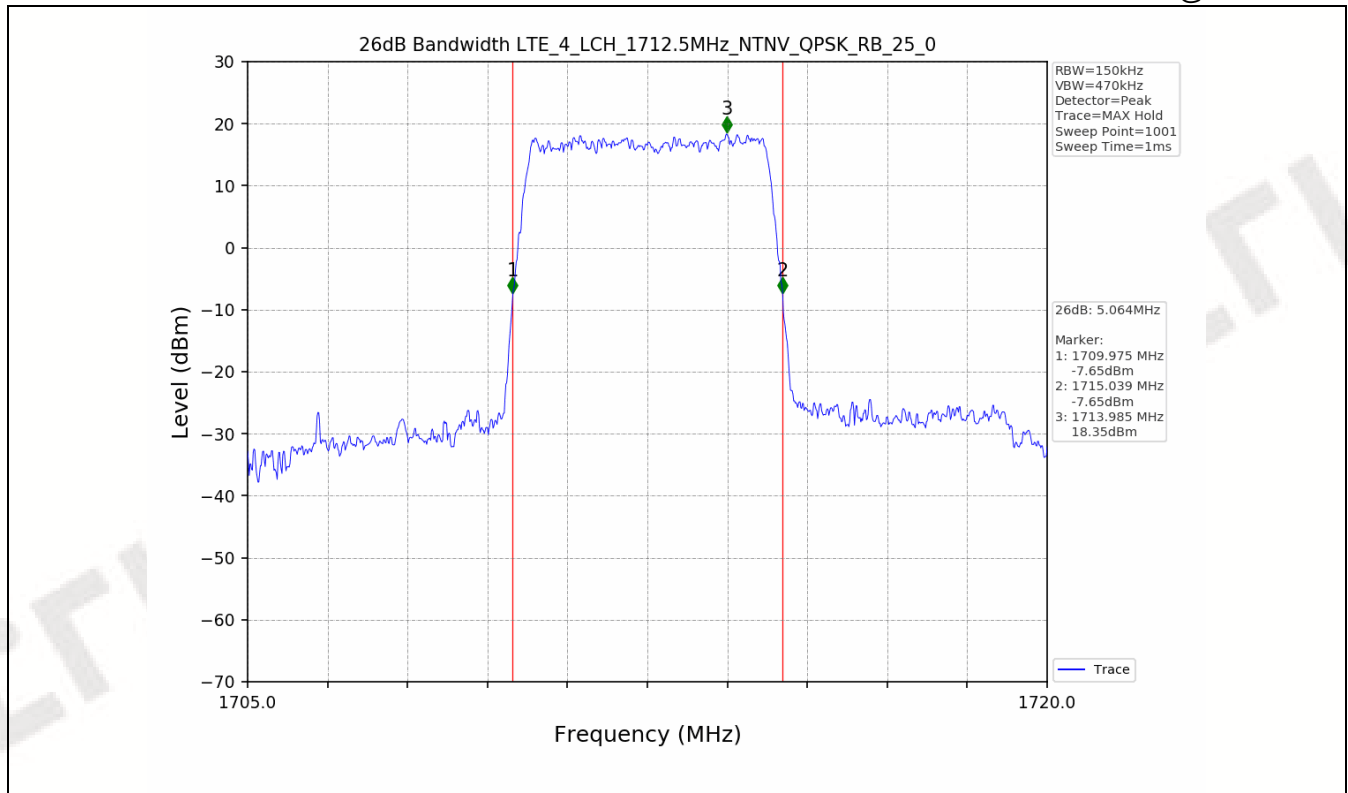


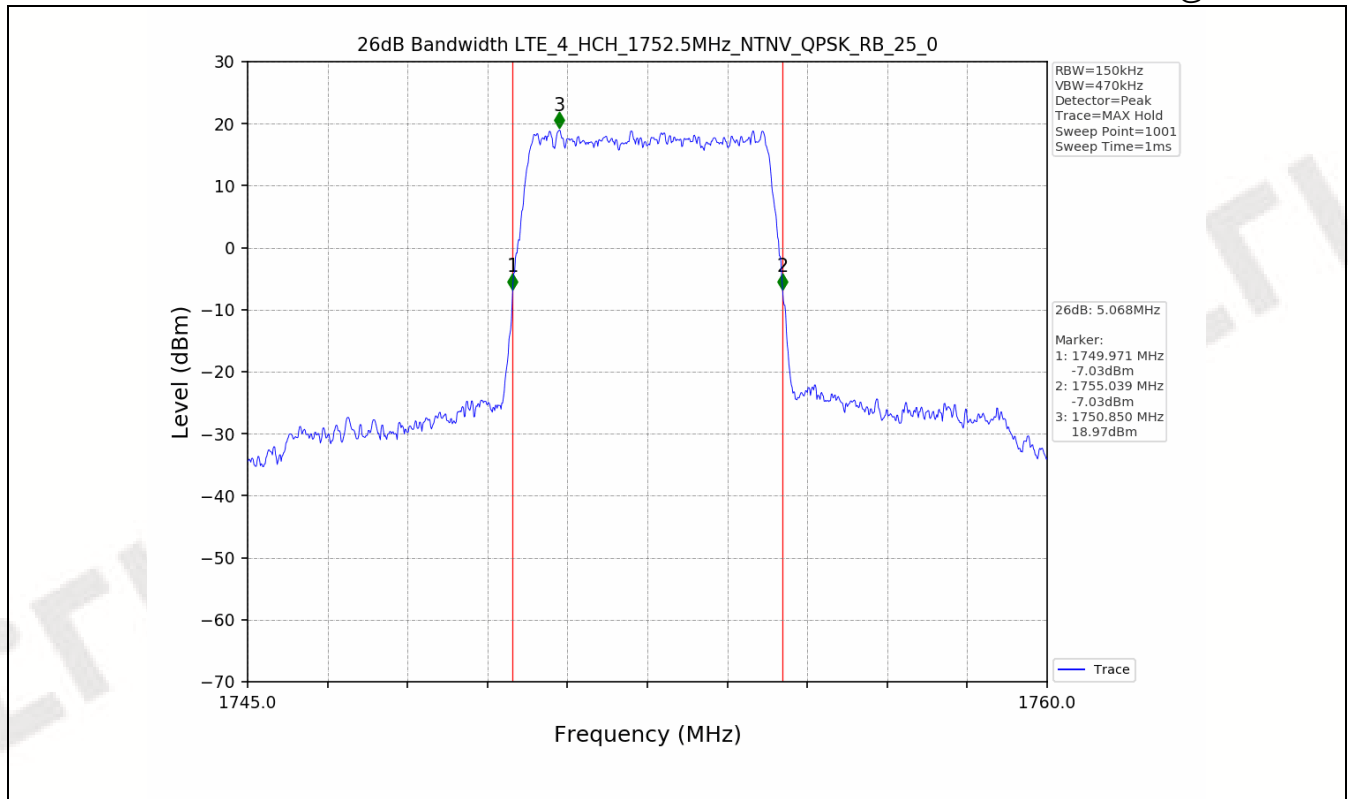
Test Band: 4 5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.064	5.038	5.068	N/A	PASS
16QAM	25	0	5.067	5.046	5.079	N/A	PASS

4.2 Test Graph





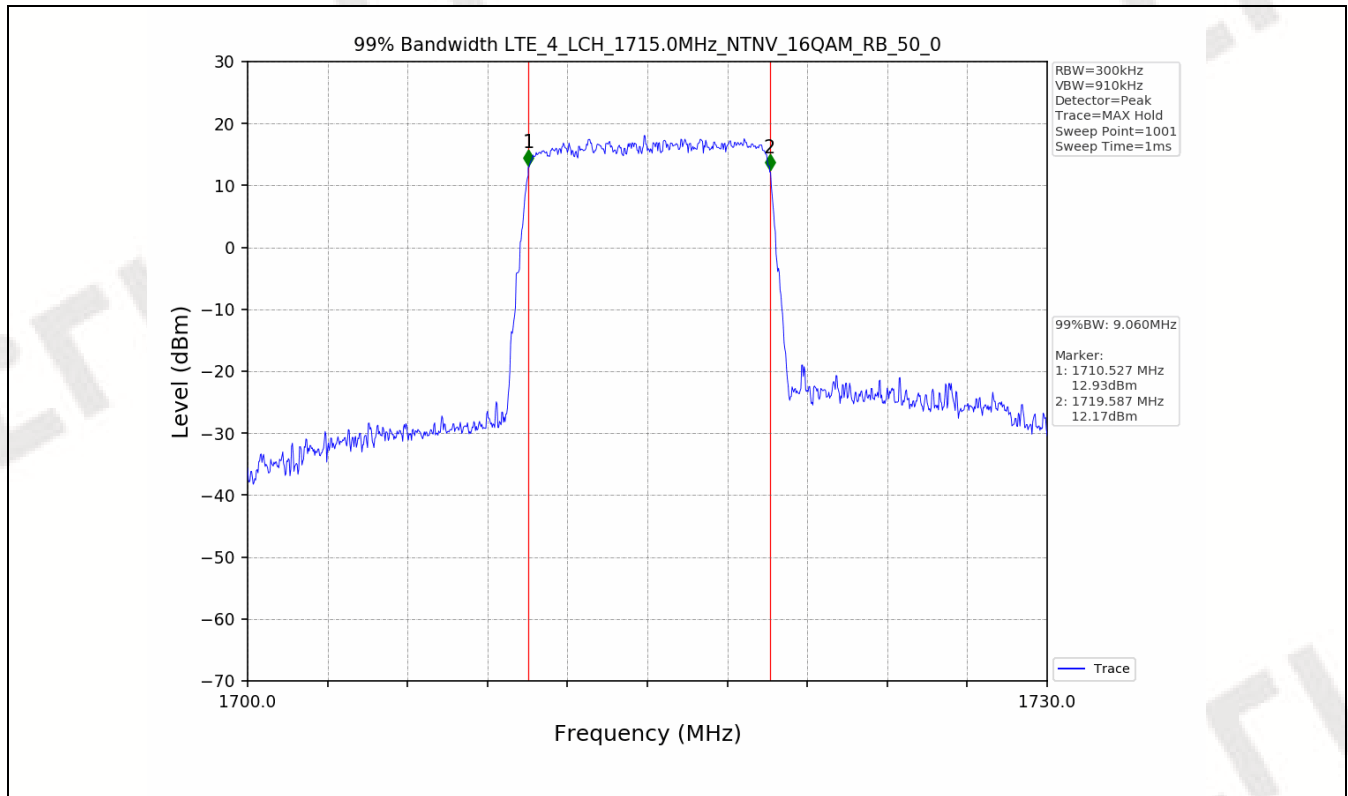


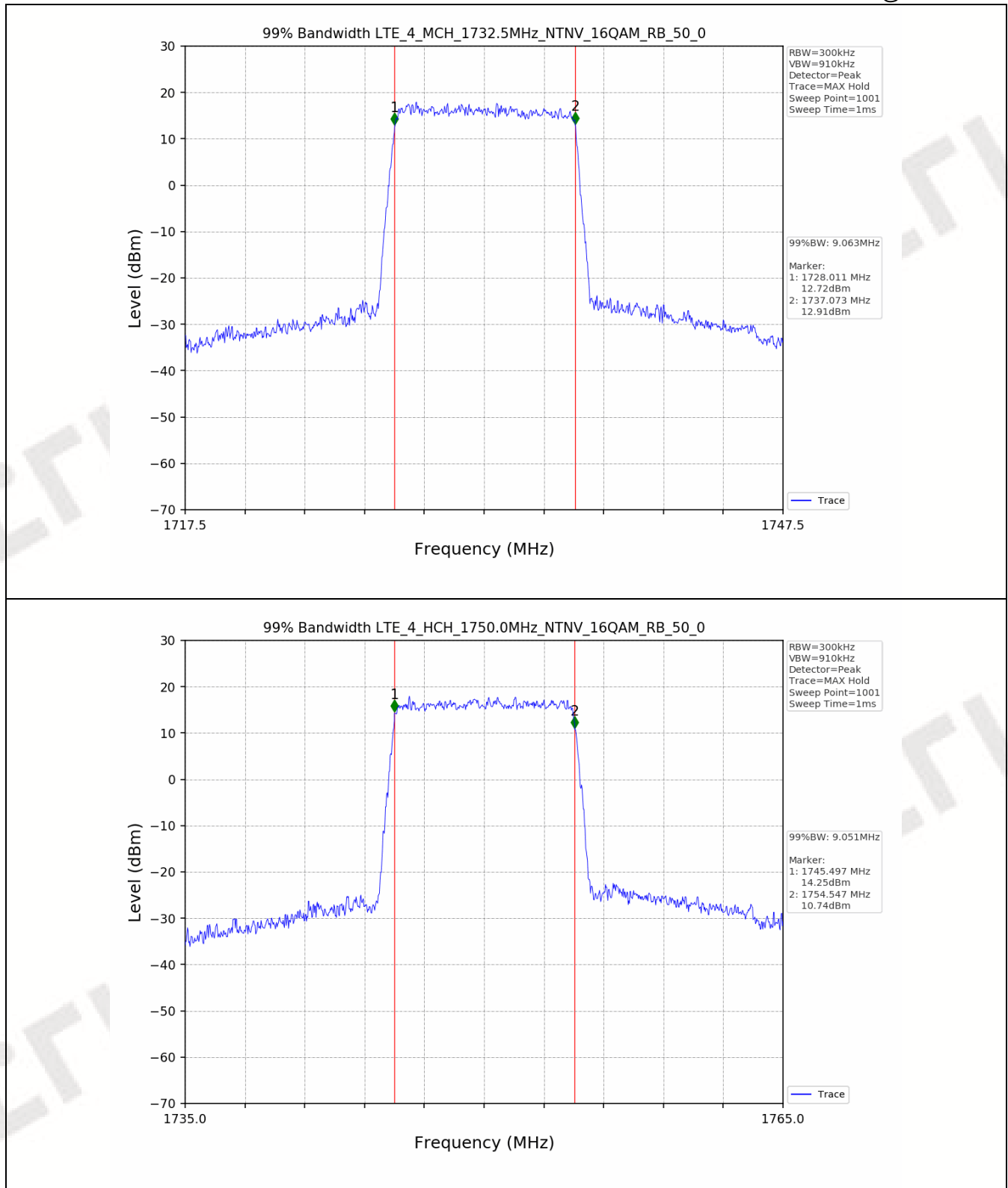


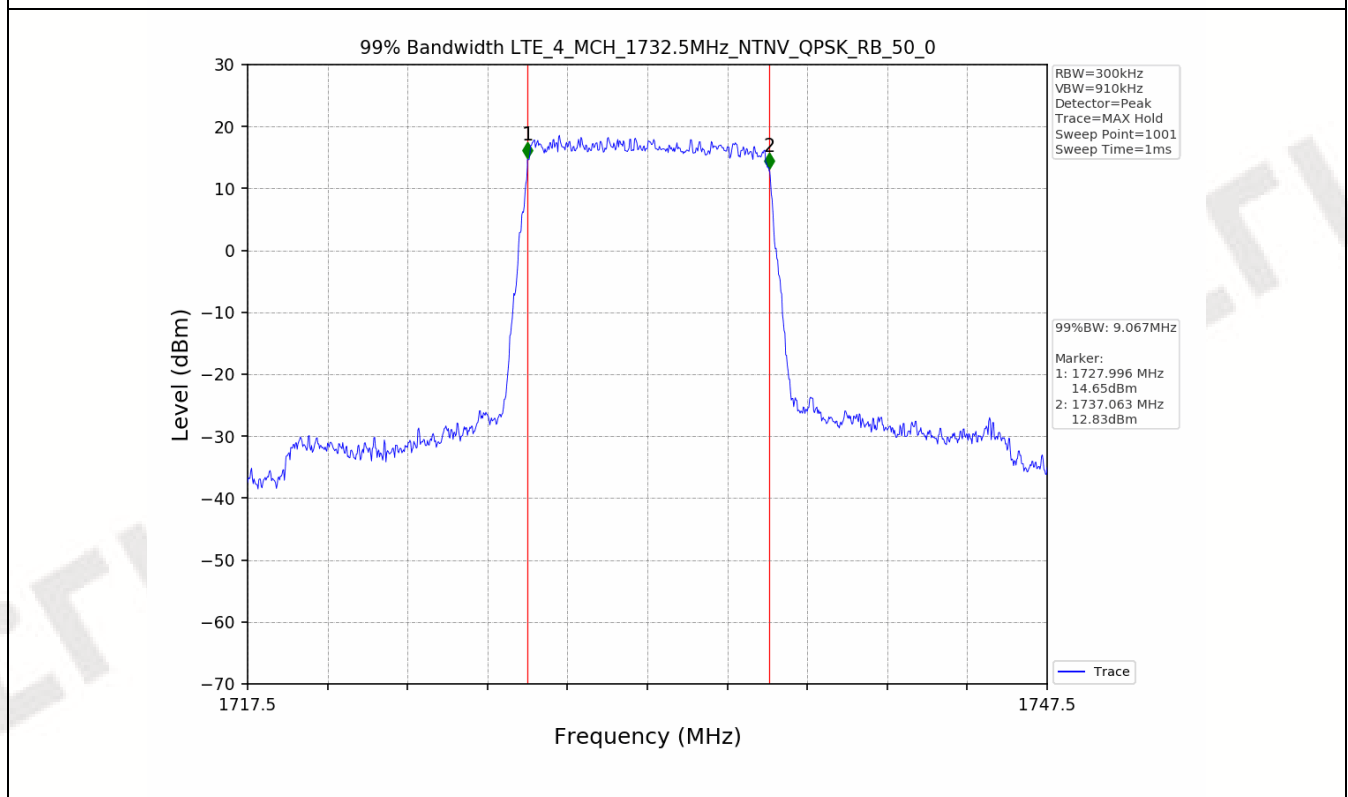
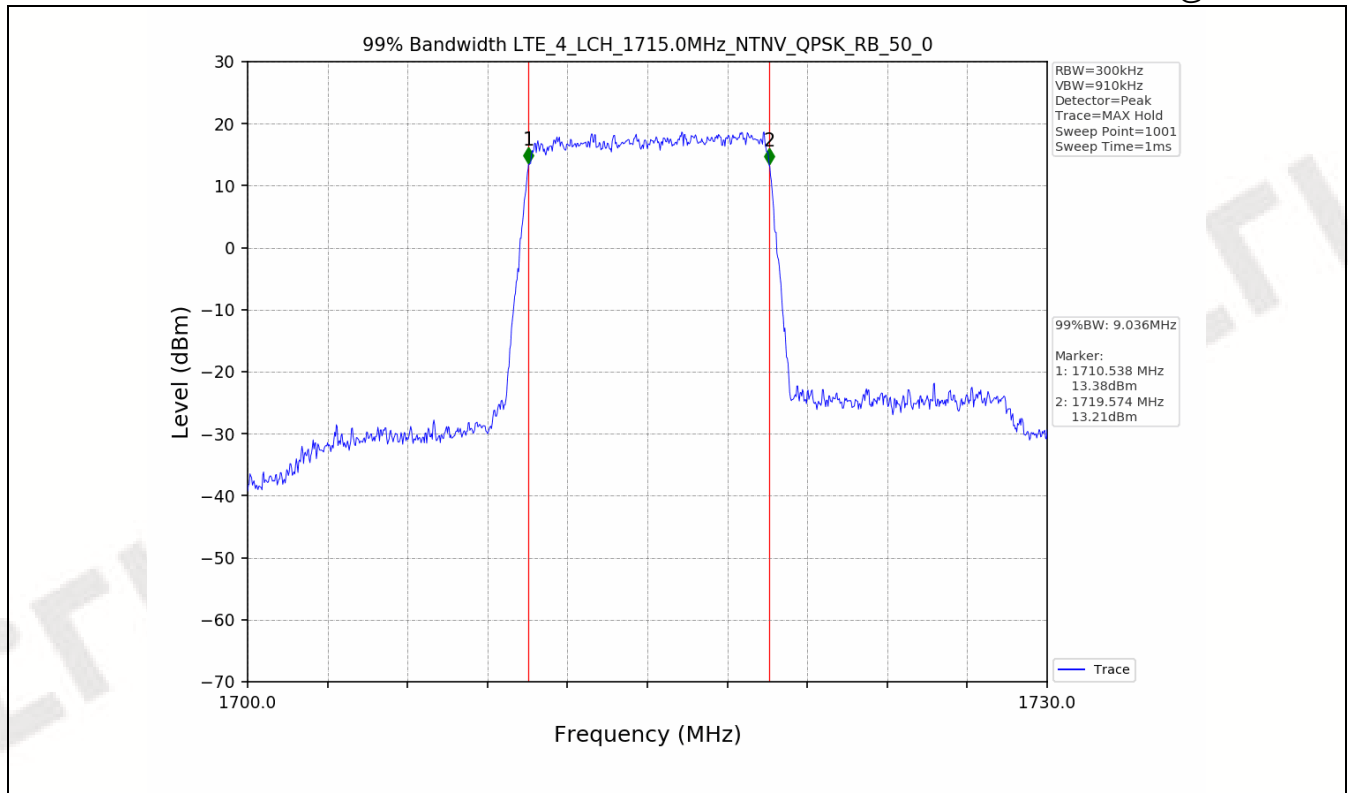


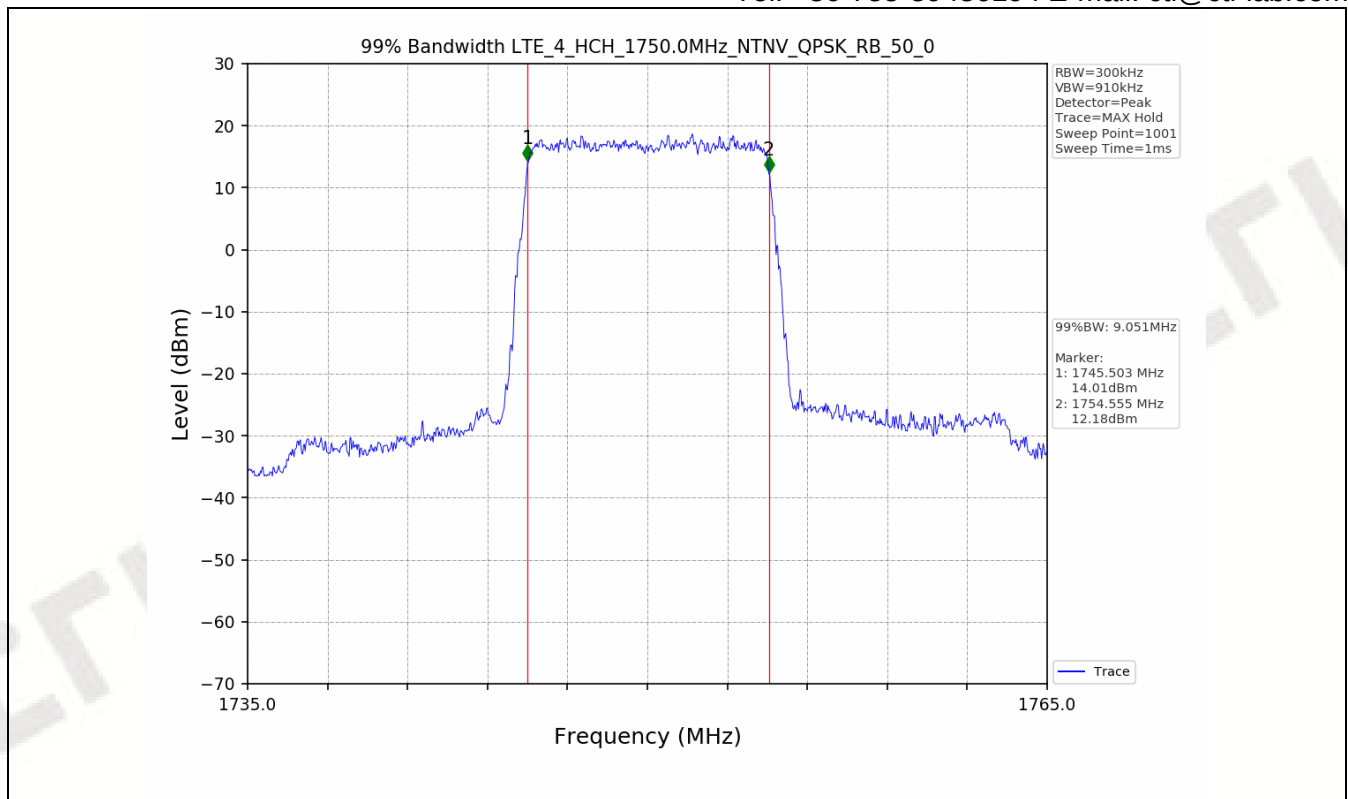
Test Band: 4_10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.036	9.067	9.051	N/A	PASS
16QAM	50	0	9.060	9.063	9.051	N/A	PASS

4.2 Test Graph





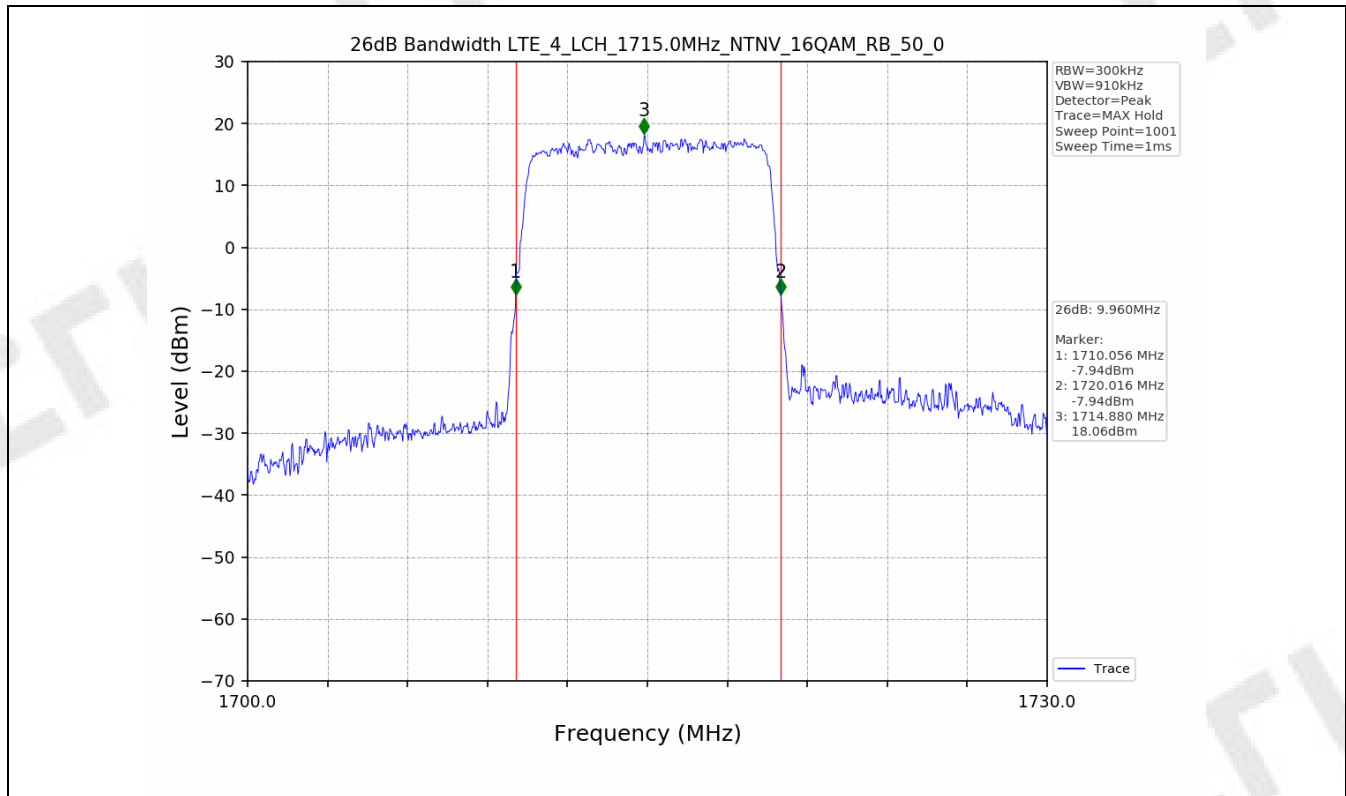


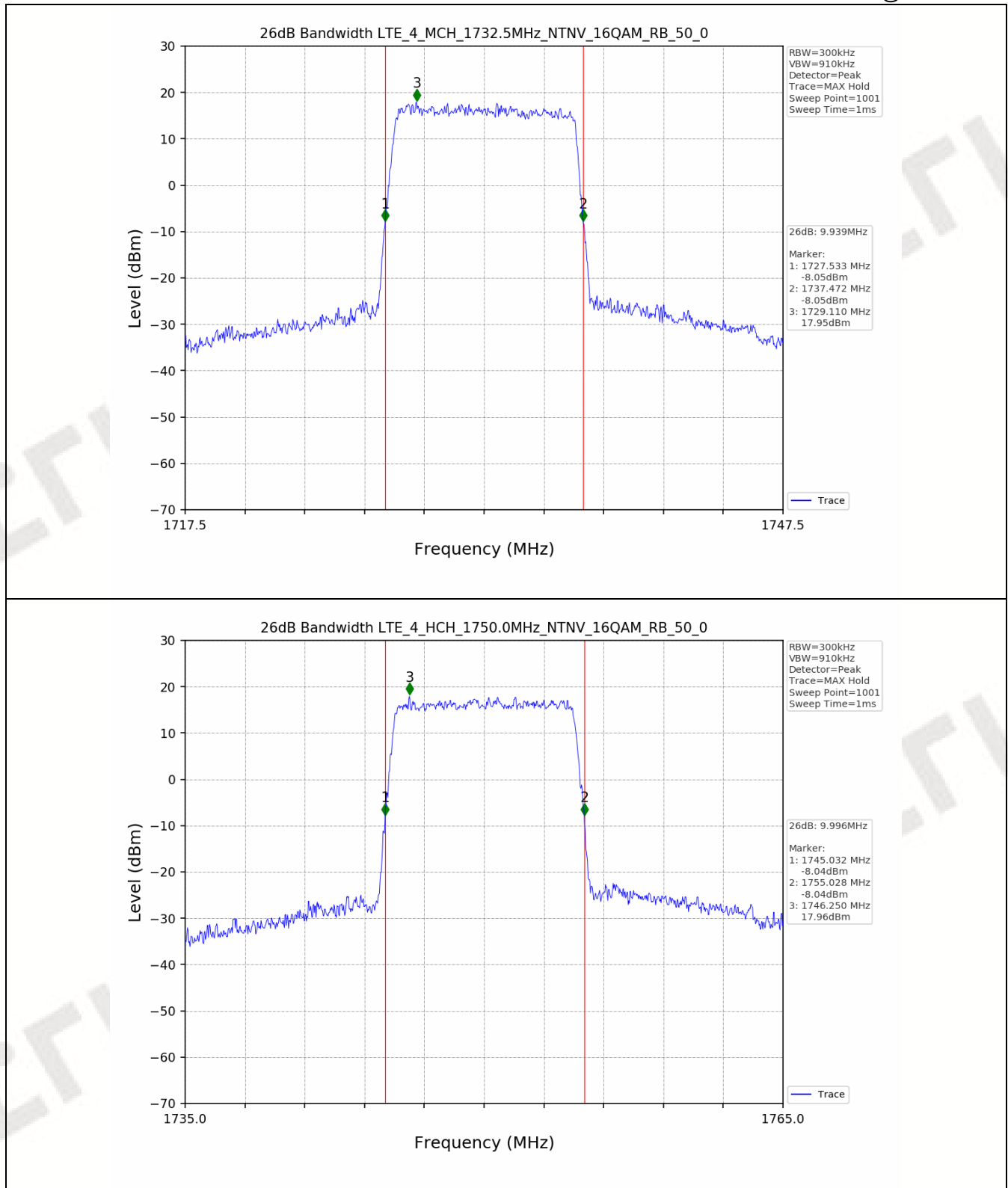


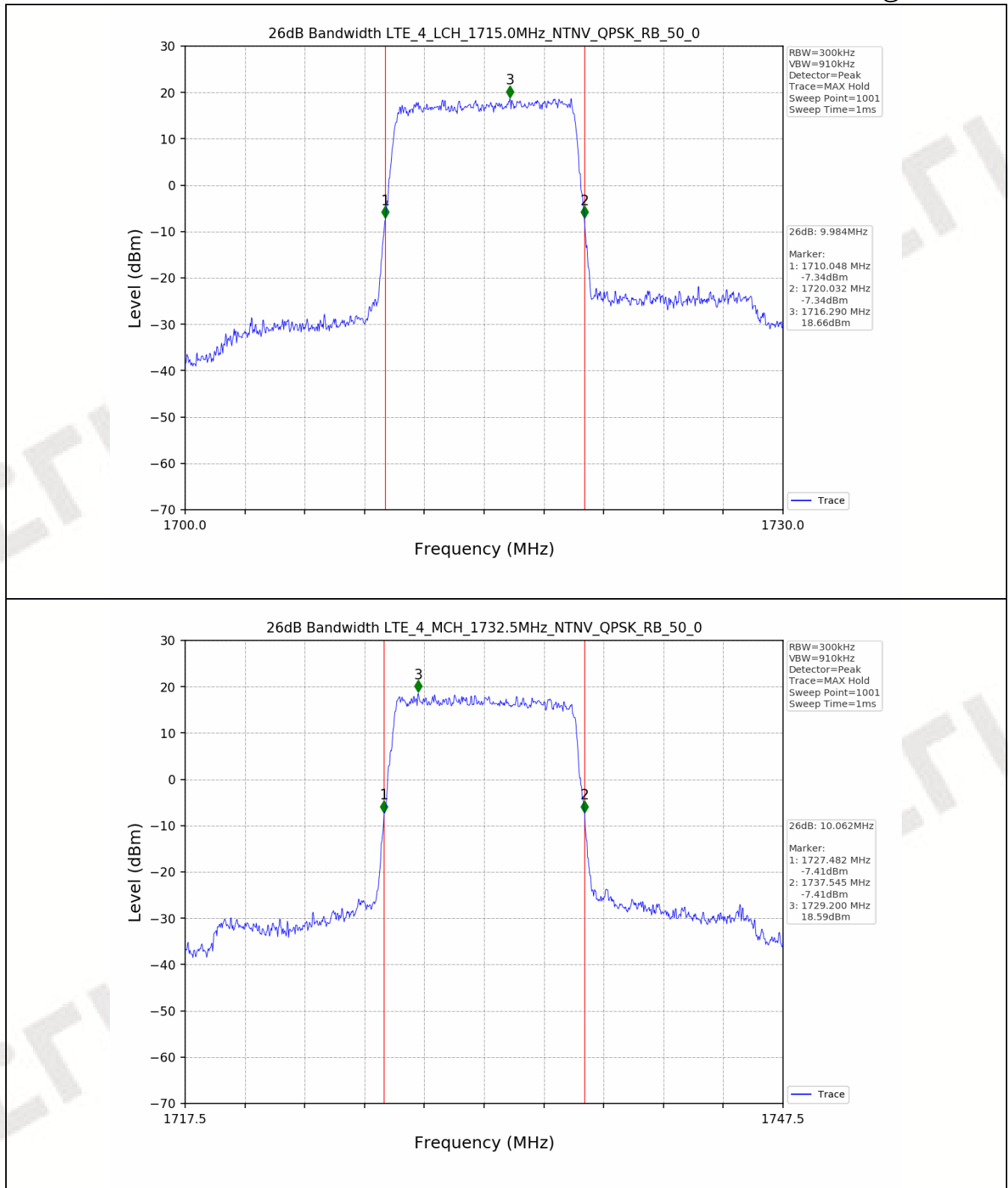


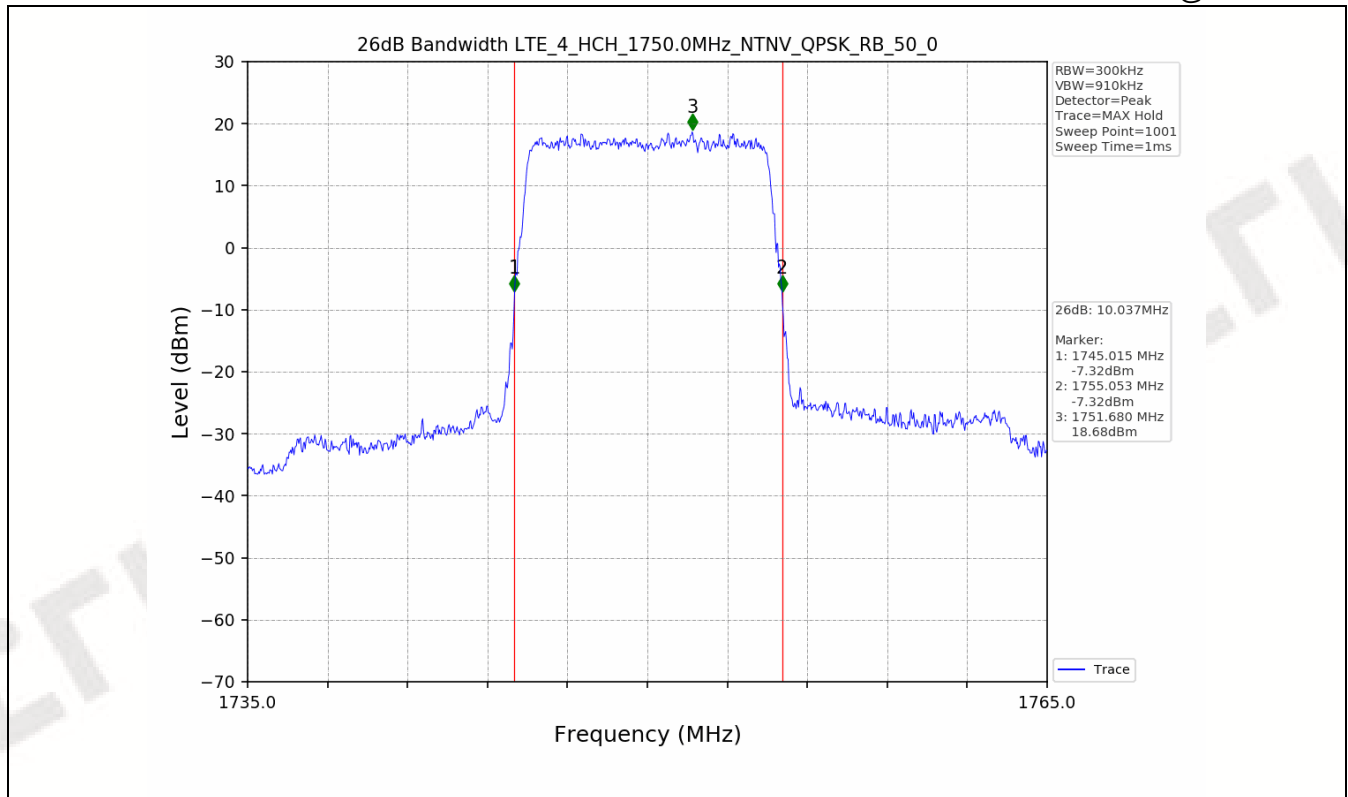
Test Band: 4_10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.984	10.062	10.037	N/A	PASS
16QAM	50	0	9.960	9.939	9.996	N/A	PASS

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	13.530	13.564	13.563	N/A	PASS
16QAM	75	0	13.561	13.539	13.610	N/A	PASS

4.2 Test Graph

