



Shenzhen CTL Testing Technology Co., Ltd.

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Appendix H

Product Name: Siyata SD7

Model: SD7

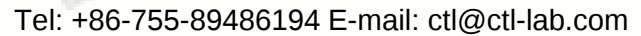
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1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: 12 1.4MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	23.86	23.24	23.74	-2.52	-0.37	21.34	20.72	21.22	34.77	PASS
		2	23.85	23.29	23.84	-2.52	-0.37	21.33	20.77	21.32	34.77	PASS
		5	23.70	23.19	23.85	-2.52	-0.37	21.18	20.67	21.33	34.77	PASS
	3	0	23.91	22.93	23.70	-2.52	-0.37	21.39	20.41	21.18	34.77	PASS
		2	23.92	23.02	23.84	-2.52	-0.37	21.40	20.50	21.32	34.77	PASS
		3	23.84	22.94	23.75	-2.52	-0.37	21.32	20.42	21.23	34.77	PASS
	6	0	22.82	22.27	22.83	-2.52	-0.37	20.30	19.75	20.31	34.77	PASS
22.92	22.09		22.85	-2.52	-0.37	20.40	19.57	20.33	34.77	PASS		
16QAM	1	2	22.95	22.14	22.97	-2.52	-0.37	20.43	19.62	20.45	34.77	PASS
		5	22.83	22.07	22.93	-2.52	-0.37	20.31	19.55	20.41	34.77	PASS
		0	23.14	21.97	22.71	-2.52	-0.37	20.62	19.45	20.19	34.77	PASS
	3	2	23.24	22.03	22.81	-2.52	-0.37	20.72	19.51	20.29	34.77	PASS
		3	23.15	21.95	22.77	-2.52	-0.37	20.63	19.43	20.25	34.77	PASS
		6	0	21.96	21.08	21.84	-2.52	-0.37	19.44	18.56	19.32	34.77
	Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd)											

Test Band: 12 3MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	23.98	23.36	23.47	-2.52	-0.37	21.46	20.84	20.95	34.77	PASS
		7	23.91	23.30	23.86	-2.52	-0.37	21.39	20.78	21.34	34.77	PASS
		14	23.65	23.19	23.89	-2.52	-0.37	21.13	20.67	21.37	34.77	PASS
	8	0	22.89	22.30	22.55	-2.52	-0.37	20.37	19.78	20.03	34.77	PASS
		4	22.81	22.27	22.82	-2.52	-0.37	20.29	19.75	20.30	34.77	PASS
		7	22.74	22.21	22.84	-2.52	-0.37	20.22	19.69	20.32	34.77	PASS
	15	0	22.81	22.22	22.66	-2.52	-0.37	20.29	19.70	20.14	34.77	PASS
23.10	22.35		23.00	-2.52	-0.37	20.58	19.83	20.48	34.77	PASS		
16QAM	1	7	23.02	22.33	23.27	-2.52	-0.37	20.50	19.81	20.75	34.77	PASS
		14	22.72	22.22	23.34	-2.52	-0.37	20.20	19.70	20.82	34.77	PASS
		0	22.05	21.18	21.74	-2.52	-0.37	19.53	18.66	19.22	34.77	PASS
	8	4	22.00	21.20	21.99	-2.52	-0.37	19.48	18.68	19.47	34.77	PASS
		7	21.87	21.12	21.99	-2.52	-0.37	19.35	18.60	19.47	34.77	PASS
		15	0	21.97	21.15	21.73	-2.52	-0.37	19.45	18.63	19.21	34.77
	Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd)											



Test Band: 12 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	23.97	23.50	23.38	-2.52	-0.37	21.45	20.98	20.86	34.77	PASS
		25	23.53	23.22	23.29	-2.52	-0.37	21.01	20.70	20.77	34.77	PASS
		49	23.20	23.27	23.81	-2.52	-0.37	20.68	20.75	21.29	34.77	PASS
	25	0	22.79	22.38	22.18	-2.52	-0.37	20.27	19.86	19.66	34.77	PASS
		13	22.51	22.25	22.24	-2.52	-0.37	19.99	19.73	19.72	34.77	PASS
		25	22.27	22.15	22.47	-2.52	-0.37	19.75	19.63	19.95	34.77	PASS
	50	0	22.48	22.24	22.29	-2.52	-0.37	19.96	19.72	19.77	34.77	PASS
			23.01	22.68	22.63	-2.52	-0.37	20.49	20.16	20.11	34.77	PASS
16QAM	1	25	22.48	22.26	22.78	-2.52	-0.37	19.96	19.74	20.26	34.77	PASS
		49	22.10	22.48	23.29	-2.52	-0.37	19.58	19.96	20.77	34.77	PASS
		0	21.95	21.40	21.18	-2.52	-0.37	19.43	18.88	18.66	34.77	PASS
	25	13	21.61	21.22	21.33	-2.52	-0.37	19.09	18.70	18.81	34.77	PASS
		25	21.33	21.18	21.62	-2.52	-0.37	18.81	18.66	19.10	34.77	PASS
		50	0	21.57	21.26	21.30	-2.52	-0.37	19.05	18.74	18.78	34.77
	Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd)											



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2. Frequency stability

2.1 Test Result

Test Band: 12 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	15.42 09	17.69 54	16.29 35	-0.0220	-0.0250	-0.0228	2.50	PASS
				NV	8.111 0	7.767 7	18.02 44	-0.0116	-0.0110	-0.0252	2.50	PASS
				HV	9.627 3	7.410 0	11.57 28	-0.0138	-0.0105	-0.0162	2.50	PASS
16QAM	6	0	NT	LV	20.21 31	12.45 98	2.017 0	-0.0289	-0.0176	0.0028	2.50	PASS
				NV	14.07 62	12.73 16	2.303 1	-0.0201	-0.0180	0.0032	2.50	PASS
				HV	17.86 71	10.51 43	4.348 8	-0.0255	-0.0149	0.0061	2.50	PASS

Test Band: 12 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	9.741 8	6.251 3	9.985 0	-0.0139	-0.0088	-0.0140	2.50	PASS
				-20.00	6.909 4	6.237 0	8.583 1	-0.0099	-0.0088	-0.0120	2.50	PASS
				-10.00	7.610 3	7.367 1	10.42 84	-0.0109	-0.0104	-0.0146	2.50	PASS
				0.00	3.104 2	7.181 2	2.875 3	-0.0044	-0.0102	-0.0040	2.50	PASS
				10.00	6.237 0	6.623 3	7.224 1	-0.0089	-0.0094	-0.0101	2.50	PASS
				20.00	2.818 1	7.224 1	9.198 2	-0.0040	-0.0102	-0.0129	2.50	PASS
				30.00	3.633 5	4.520 4	1.473 4	-0.0052	-0.0064	-0.0021	2.50	PASS
				40.00	7.166 9	2.975 5	4.034 0	-0.0102	-0.0042	-0.0056	2.50	PASS
				50.00	0.786 8	3.089 9	6.165 5	-0.0011	-0.0044	-0.0086	2.50	PASS



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16QAM	6	0	NV	-30.00	- 11.67 30	- 9.584 4	3.147 1	-0.0167	-0.0135	0.0044	2.50	PASS
				-20.00	- 13.58 99	- 9.312 6	0.171 7	-0.0194	-0.0132	0.0002	2.50	PASS
				-10.00	- 7.581 7	- 8.926 4	2.446 2	-0.0108	-0.0126	-0.0034	2.50	PASS
				0.00	- 12.10 21	- 8.497 2	3.819 5	-0.0173	-0.0120	-0.0053	2.50	PASS
				10.00	- 5.106 9	- 7.653 2	5.106 9	-0.0073	-0.0108	-0.0071	2.50	PASS
				20.00	- 6.694 8	- 6.480 2	3.347 4	-0.0096	-0.0092	-0.0047	2.50	PASS
				30.00	- 1.545 0	- 5.407 3	0.844 0	-0.0022	-0.0076	-0.0012	2.50	PASS
				40.00	- 5.879 4	- 5.607 6	1.816 8	-0.0084	-0.0079	-0.0025	2.50	PASS
				50.00	- 3.962 5	- 3.991 1	1.516 3	-0.0057	-0.0056	-0.0021	2.50	PASS

Test Band: 12 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	3.848 1	- 5.908 0	6.051 1	0.0055	-0.0084	0.0085	2.50	PASS
				NV	1.673 7	- 5.679 1	3.705 0	0.0024	-0.0080	0.0052	2.50	PASS
				HV	- 0.214 6	- 4.620 6	0.114 4	-0.0003	-0.0065	0.0002	2.50	PASS
16QAM	15	0	NT	LV	3.261 6	0.386 2	- 0.929 8	0.0047	0.0005	-0.0013	2.50	PASS
				NV	- 0.228 9	0.200 3	6.108 3	-0.0003	0.0003	0.0085	2.50	PASS
				HV	- 0.457 8	0.615 1	3.948 2	-0.0007	0.0009	0.0055	2.50	PASS

Test Band: 12 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	- 2.660 8	- 5.450 2	7.481 6	-0.0038	-0.0077	0.0105	2.50	PASS



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				-20.00	2.689 4	- 3.132 8	2.703 7	0.0038	-0.0044	0.0038	2.50	PASS
				-10.00	- 0.543 6	- 4.963 9	8.869 2	-0.0008	-0.0070	0.0124	2.50	PASS
				0.00	5.507 5	- 5.278 6	6.351 5	0.0079	-0.0075	0.0089	2.50	PASS
				10.00	2.546 3	- 4.692 1	4.806 5	0.0036	-0.0066	0.0067	2.50	PASS
				20.00	- 0.171 7	- 0.085 8	1.859 7	-0.0002	-0.0001	0.0026	2.50	PASS
				30.00	5.607 6	- 0.772 5	7.352 8	0.0080	-0.0011	0.0103	2.50	PASS
				40.00	1.859 7	- 0.171 7	5.836 5	0.0027	-0.0002	0.0082	2.50	PASS
				50.00	- 0.844 0	- 0.715 3	3.075 6	-0.0012	0.0010	0.0043	2.50	PASS
16QAM	15	0	NV	-30.00	0.557 9	0.500 7	1.759 5	0.0008	0.0007	0.0025	2.50	PASS
				-20.00	- 2.803 8	0.658 0	0.071 5	-0.0040	0.0009	-0.0001	2.50	PASS
				-10.00	2.474 8	0.915 5	5.121 2	0.0035	0.0013	0.0072	2.50	PASS
				0.00	- 0.901 2	1.044 3	2.746 6	-0.0013	0.0015	0.0038	2.50	PASS
				10.00	3.848 1	0.786 8	0.443 5	0.0055	0.0011	0.0006	2.50	PASS
				20.00	0.929 8	1.559 3	- 1.344 7	0.0013	0.0022	-0.0019	2.50	PASS
				30.00	0.257 5	0.801 1	4.935 3	0.0004	0.0011	0.0069	2.50	PASS
				40.00	2.460 5	1.702 3	2.031 3	0.0035	0.0024	0.0028	2.50	PASS
				50.00	1.573 6	- 0.271 8	1.244 5	0.0022	-0.0004	0.0017	2.50	PASS

Test Band: 12 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	- 4.963 9	- 6.451 6	- 1.816 8	-0.0071	-0.0091	-0.0025	2.50	PASS
				NV	- 0.972 7	- 6.136 9	- 0.844 0	-0.0014	-0.0087	-0.0012	2.50	PASS
				HV	-	-	-	-0.0074	-0.0070	-0.0006	2.50	PASS



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					5.207 1	4.935 3	0.443 5					
16QAM	25	0	NT	LV	1.587 9	- 3.161 4	- 2.861 0	0.0023	-0.0045	-0.0040	2.50	PASS
				NV	- 2.560 6	- 2.389 0	- 4.634 9	-0.0037	-0.0034	-0.0065	2.50	PASS
				HV	0.228 9	- 2.045 6	1.602 2	0.0003	-0.0029	0.0022	2.50	PASS

Test Band: 12 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	- 0.429 2	- 2.846 7	- 2.903 9	-0.0006	-0.0040	-0.0041	2.50	PASS
				-20.00	- 3.919 6	- 5.750 7	0.572 2	-0.0056	-0.0081	0.0008	2.50	PASS
				-10.00	- 3.075 6	- 6.294 2	- 0.929 8	-0.0044	-0.0089	-0.0013	2.50	PASS
				0.00	- 3.848 1	- 5.478 9	- 3.476 1	-0.0055	-0.0077	-0.0049	2.50	PASS
				10.00	- 7.553 1	- 2.632 1	2.045 6	-0.0108	-0.0037	0.0029	2.50	PASS
				20.00	- 2.031 3	- 4.677 8	- 0.200 3	-0.0029	-0.0066	-0.0003	2.50	PASS
				30.00	- 5.521 8	1.001 4	- 2.374 6	-0.0079	0.0014	-0.0033	2.50	PASS
				40.00	- 0.987 1	0.729 6	- 1.716 6	-0.0014	0.0010	-0.0024	2.50	PASS
				50.00	- 4.963 9	1.030 0	0.987 1	-0.0071	0.0015	0.0014	2.50	PASS
16QAM	25	0	NV	-30.00	- 3.533 4	- 2.875 3	- 1.287 5	-0.0050	-0.0041	-0.0018	2.50	PASS
				-20.00	- 2.160 1	- 0.515 0	- 3.819 5	-0.0031	-0.0007	-0.0054	2.50	PASS
				-10.00	- 0.357 6	- 0.886 9	- 6.179 8	-0.0005	-0.0013	-0.0087	2.50	PASS
				0.00	- 2.803 8	0.815 4	- 0.929 8	-0.0040	0.0012	-0.0013	2.50	PASS
				10.00	1.230 2	0.243 2	- 2.217 3	0.0018	0.0003	-0.0031	2.50	PASS



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				20.00	- 3.490 4	0.629 4	- 4.034 0	-0.0050	0.0009	-0.0057	2.50	PASS
				30.00	0.987 1	0.486 4	- 6.794 9	0.0014	0.0007	-0.0095	2.50	PASS
				40.00	- 3.905 3	0.658 0	0.543 6	-0.0056	0.0009	0.0008	2.50	PASS
				50.00	1.888 3	1.602 2	- 1.473 4	0.0027	0.0023	-0.0021	2.50	PASS

Test Band: 12 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	4.820 8	- 2.589 2	0.715 3	0.0068	-0.0037	0.0010	2.50	PASS
				NV	5.722 0	1.258 8	- 1.244 5	0.0081	0.0018	-0.0018	2.50	PASS
				HV	2.589 2	0.057 2	4.119 9	0.0037	0.0001	0.0058	2.50	PASS
16QAM	50	0	NT	LV	3.261 6	- 5.707 7	1.401 9	0.0046	-0.0081	0.0020	2.50	PASS
				NV	4.863 7	- 4.305 8	0.414 8	0.0069	-0.0061	0.0006	2.50	PASS
				HV	1.773 8	- 2.431 9	- 2.560 6	0.0025	-0.0034	-0.0036	2.50	PASS

Test Band: 12 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	6.122 6	- 3.490 4	2.160 1	0.0087	-0.0049	0.0030	2.50	PASS
				-20.00	1.502 0	- 5.149 8	1.716 6	0.0021	-0.0073	-0.0024	2.50	PASS
				-10.00	4.949 6	- 6.094 0	- 2.832 4	0.0070	-0.0086	-0.0040	2.50	PASS
				0.00	3.247 3	- 2.489 1	1.559 3	0.0046	-0.0035	0.0022	2.50	PASS
				10.00	3.089 9	1.258 8	- 1.673 7	0.0044	0.0018	-0.0024	2.50	PASS
				20.00	1.959 8	0.686 6	- 3.933 9	0.0028	0.0010	-0.0055	2.50	PASS
				30.00	-	0.829	2.460	-0.0005	0.0012	0.0035	2.50	PASS



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					0.329 0	7	5					
				40.00	4.205 7	- 1.487 7	- 0.042 9	0.0060	-0.0021	-0.0001	2.50	PASS
				50.00	0.028 6	- 2.217 3	- 3.347 4	0.0000	-0.0031	-0.0047	2.50	PASS
16QAM	50	0	NV	-30.00	3.233 0	- 4.262 9	- 3.304 5	0.0046	-0.0060	-0.0046	2.50	PASS
				-20.00	- 0.672 3	- 5.192 8	- 1.859 7	-0.0010	-0.0073	-0.0026	2.50	PASS
				-10.00	3.776 6	- 0.858 3	2.117 2	0.0054	-0.0012	0.0030	2.50	PASS
				0.00	1.487 7	0.214 6	0.886 9	0.0021	0.0003	0.0012	2.50	PASS
				10.00	- 1.215 9	- 0.228 9	- 1.344 7	-0.0017	-0.0003	-0.0019	2.50	PASS
				20.00	4.935 3	- 2.274 5	- 1.845 4	0.0070	-0.0032	-0.0026	2.50	PASS
				30.00	2.989 8	- 2.303 1	- 4.162 8	0.0042	-0.0033	-0.0059	2.50	PASS
				40.00	- 1.373 3	- 4.820 8	- 0.829 7	-0.0020	-0.0068	-0.0012	2.50	PASS
				50.00	3.047 0	- 5.636 2	2.918 2	0.0043	-0.0080	0.0041	2.50	PASS

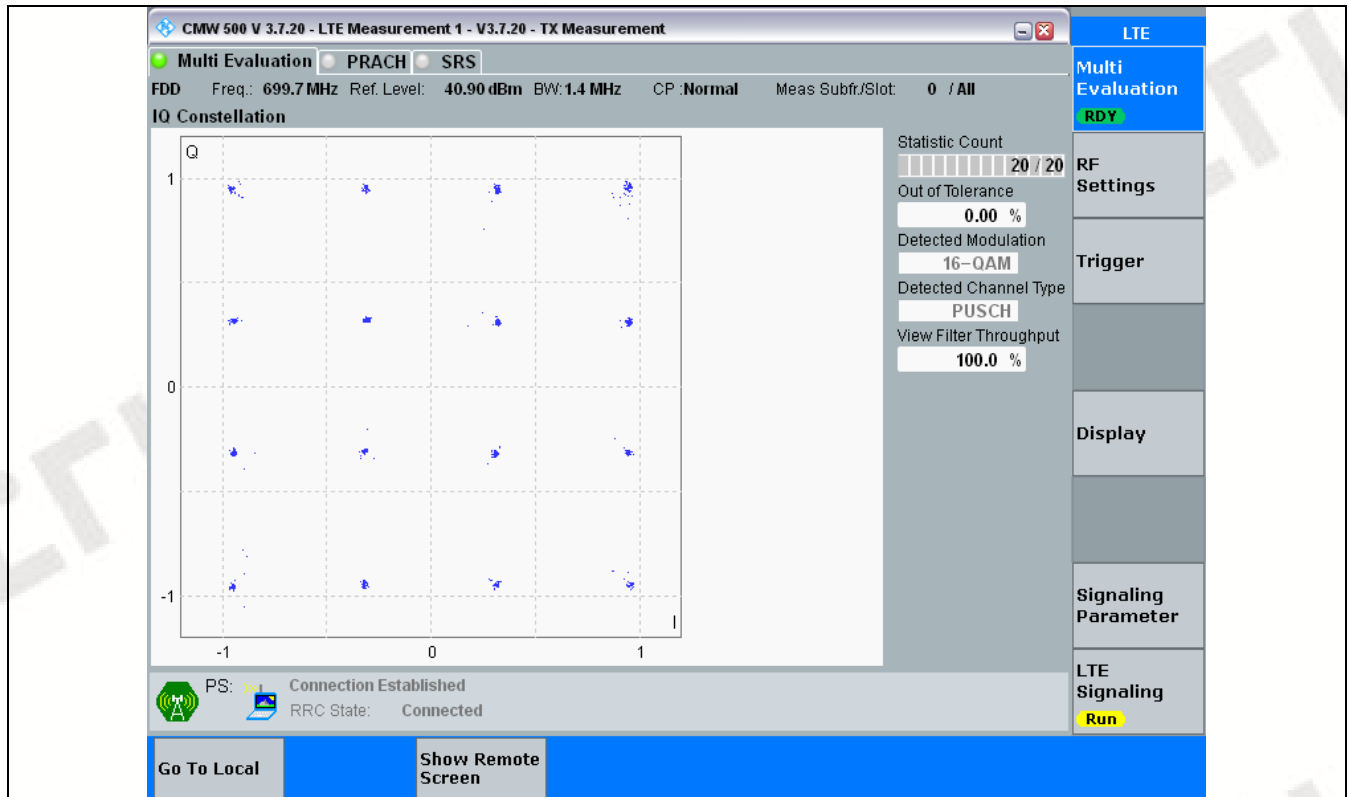


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3. Modulation Characteristics

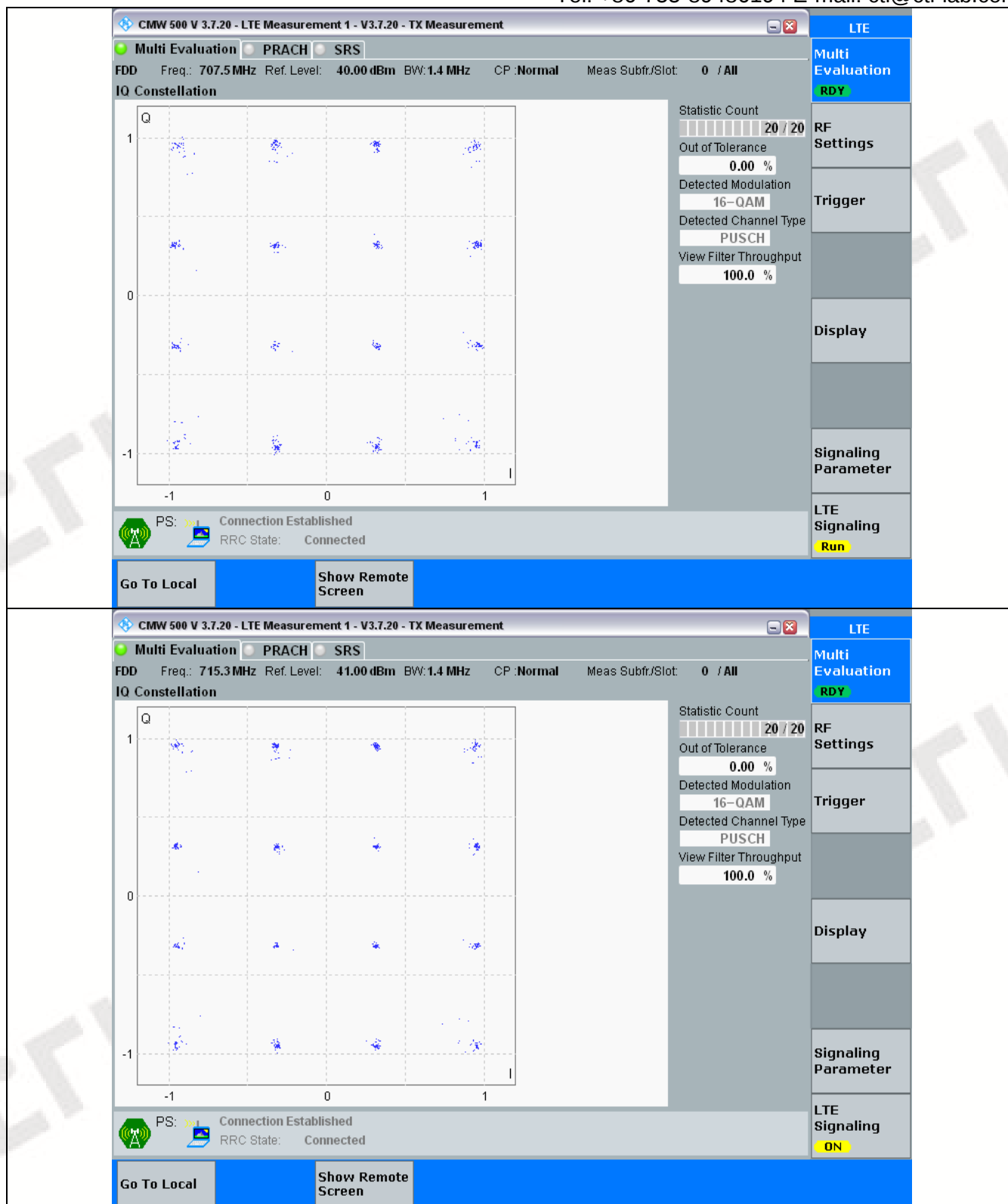
3.1 Test Graph





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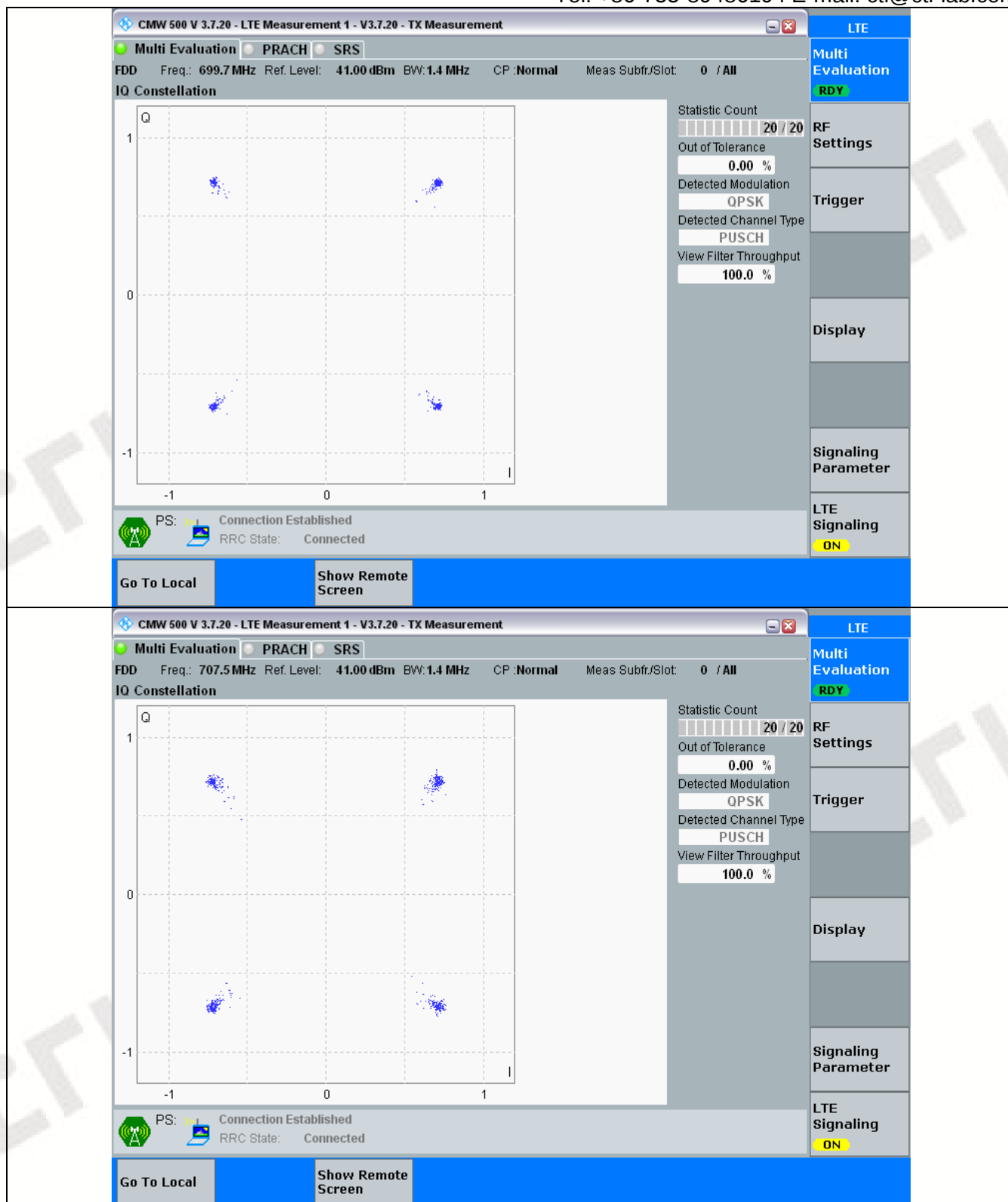
Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com





Shenzhen CTL Testing Technology Co., Ltd.

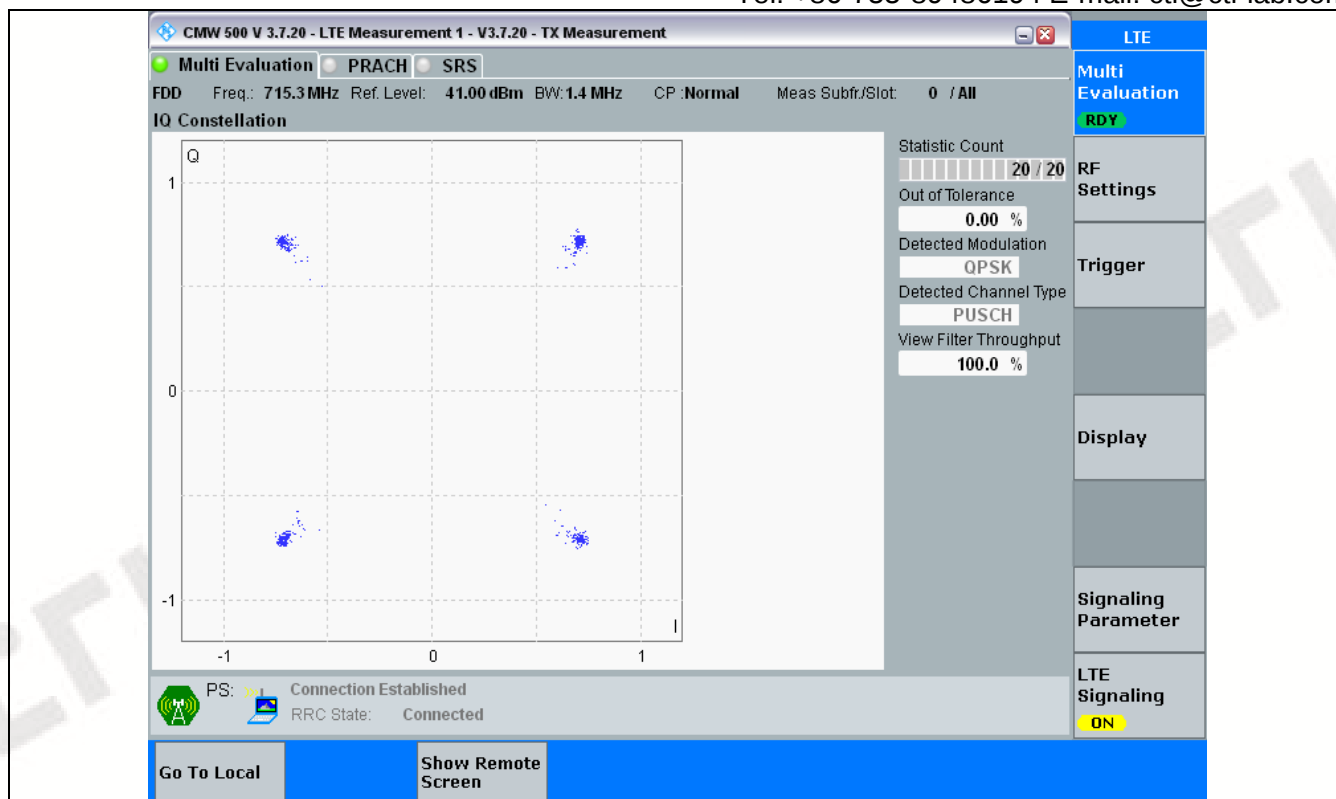
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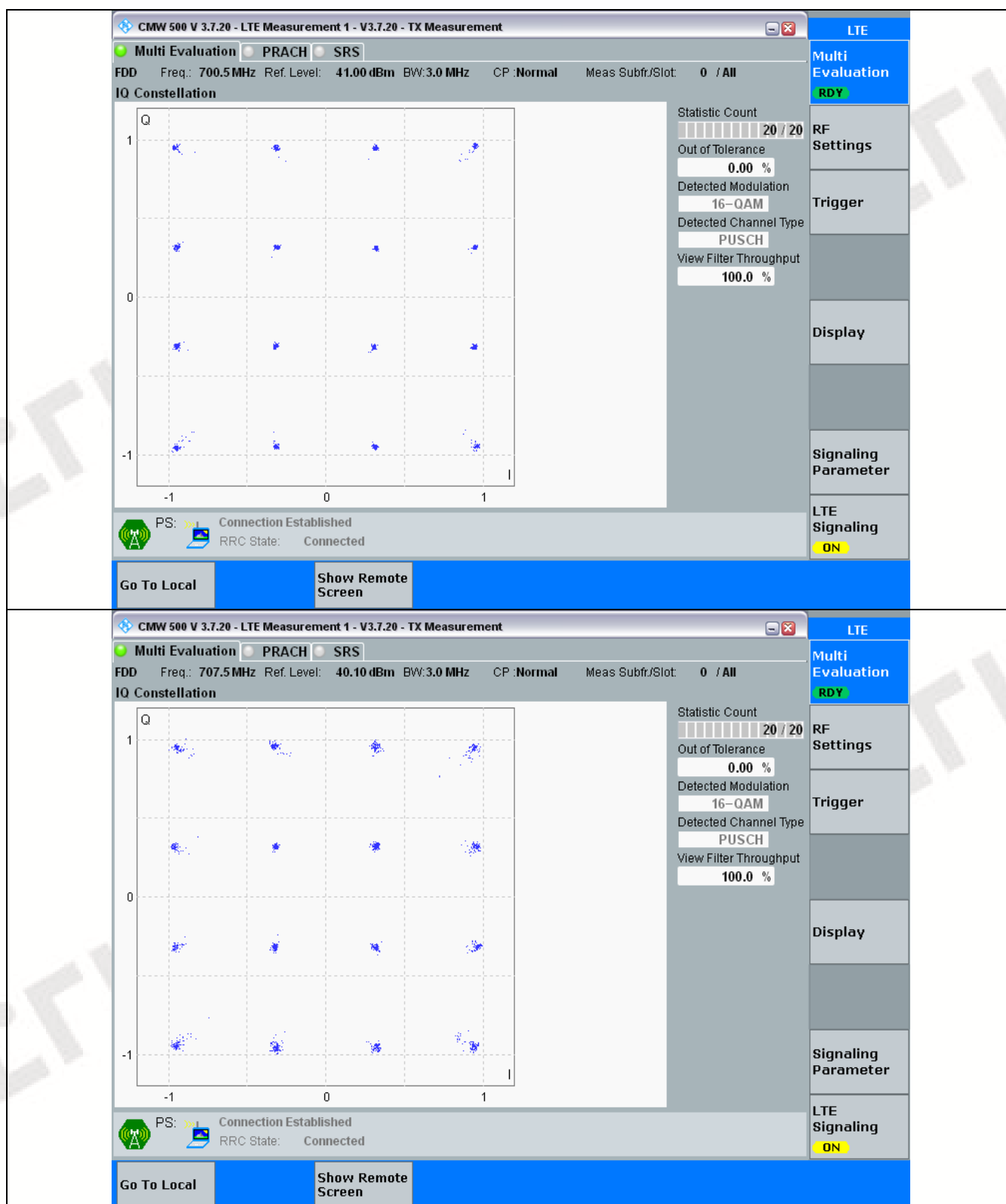




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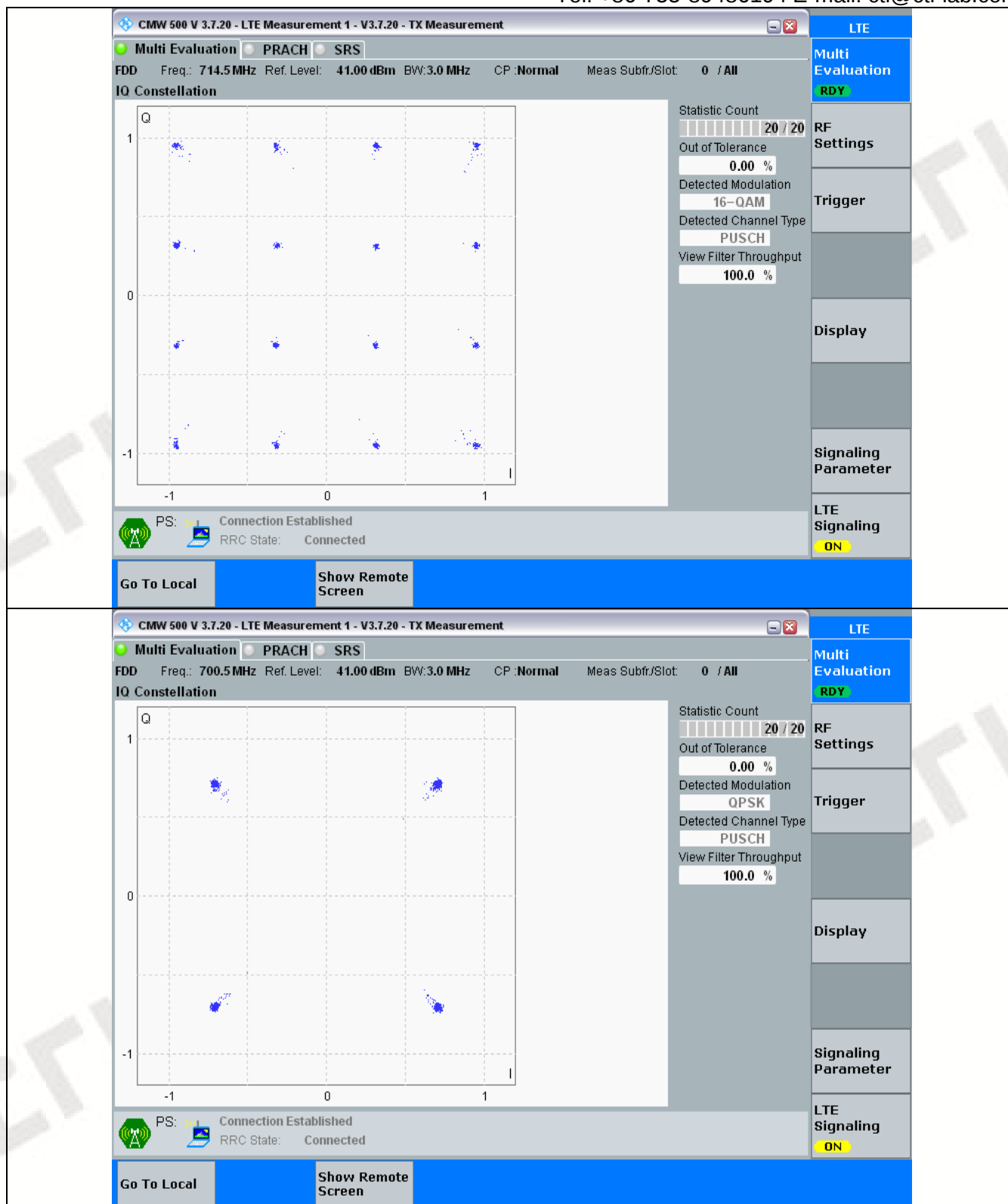
3.1 Test Graph





Shenzhen CTL Testing Technology Co., Ltd.

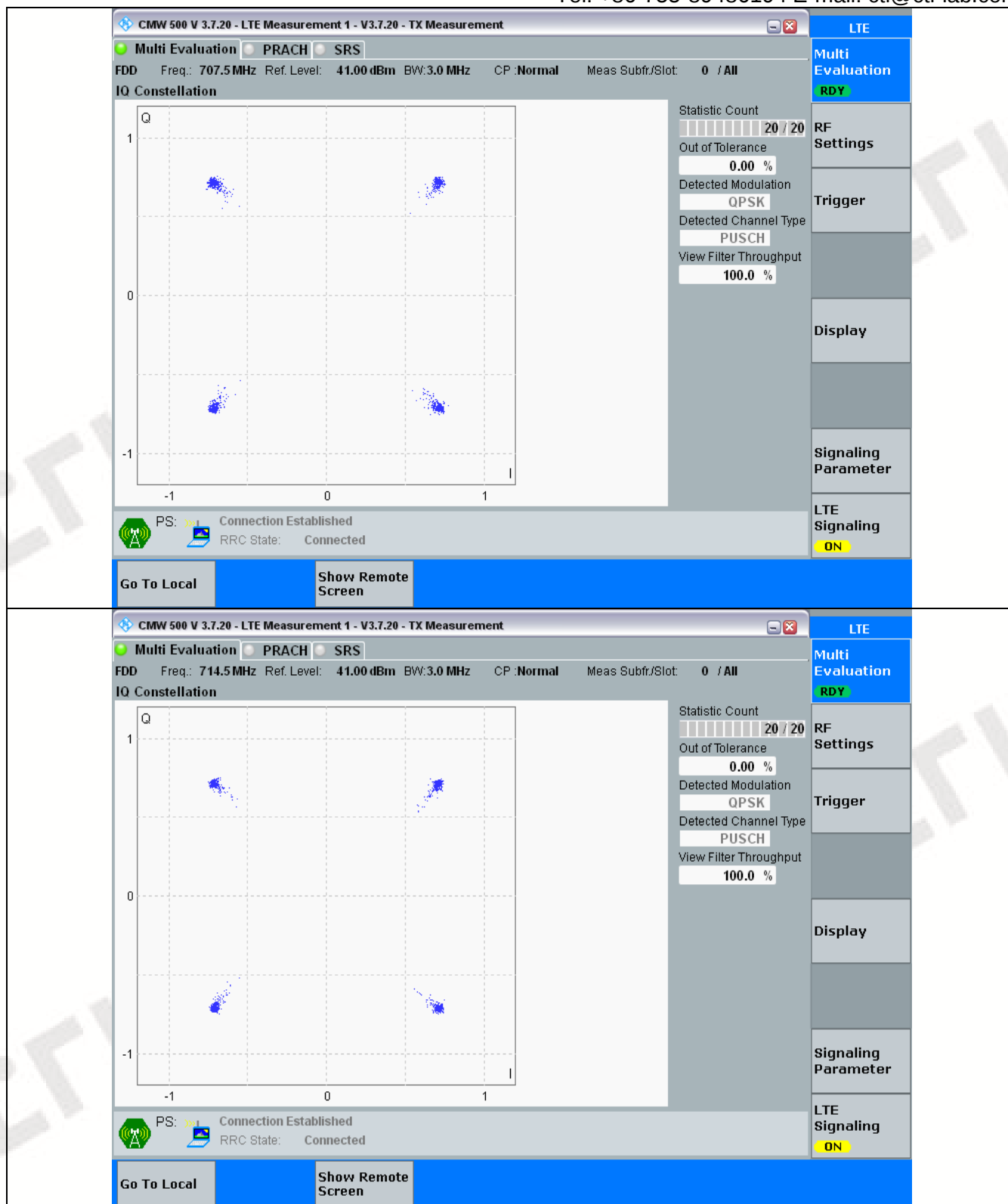
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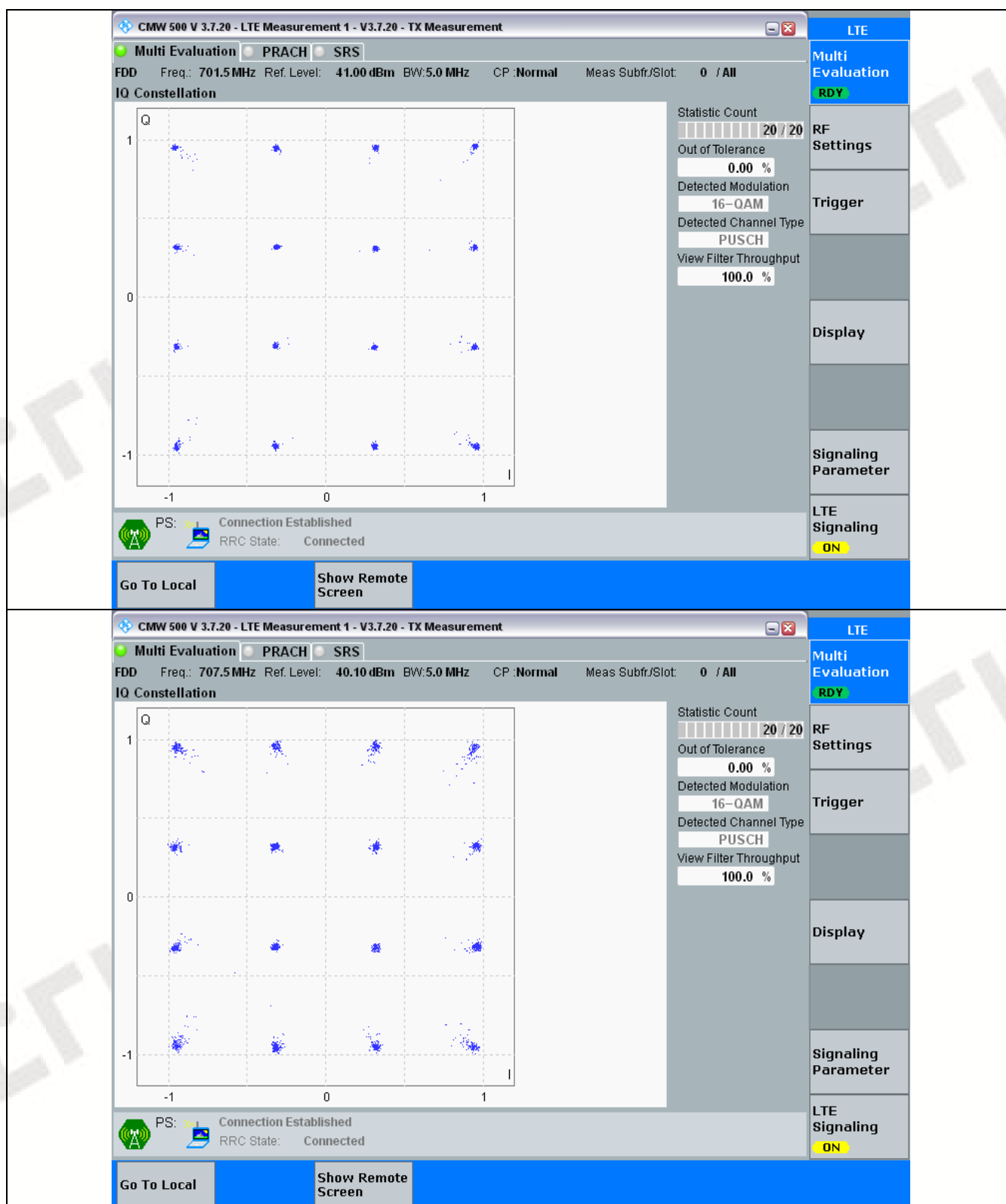




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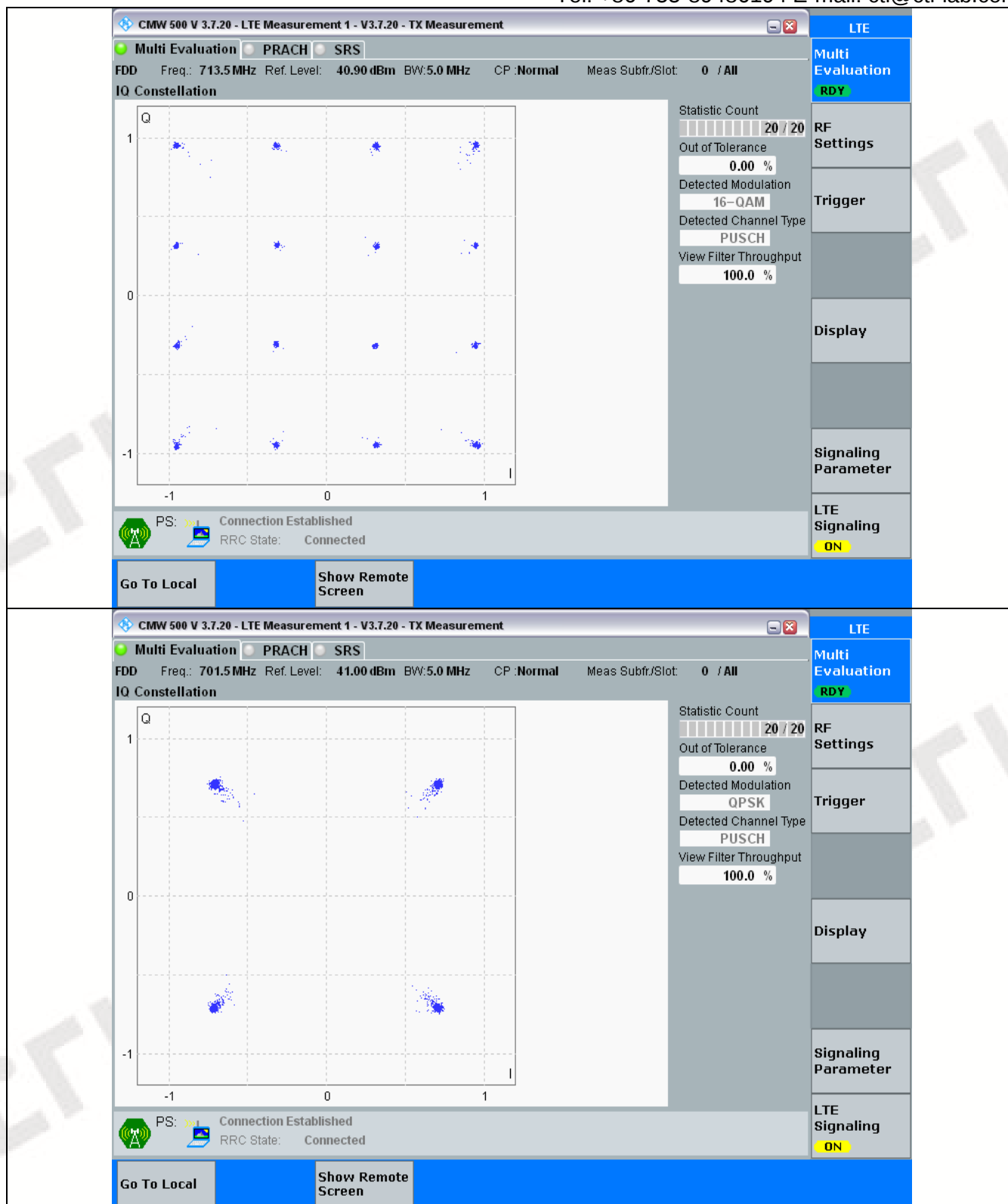
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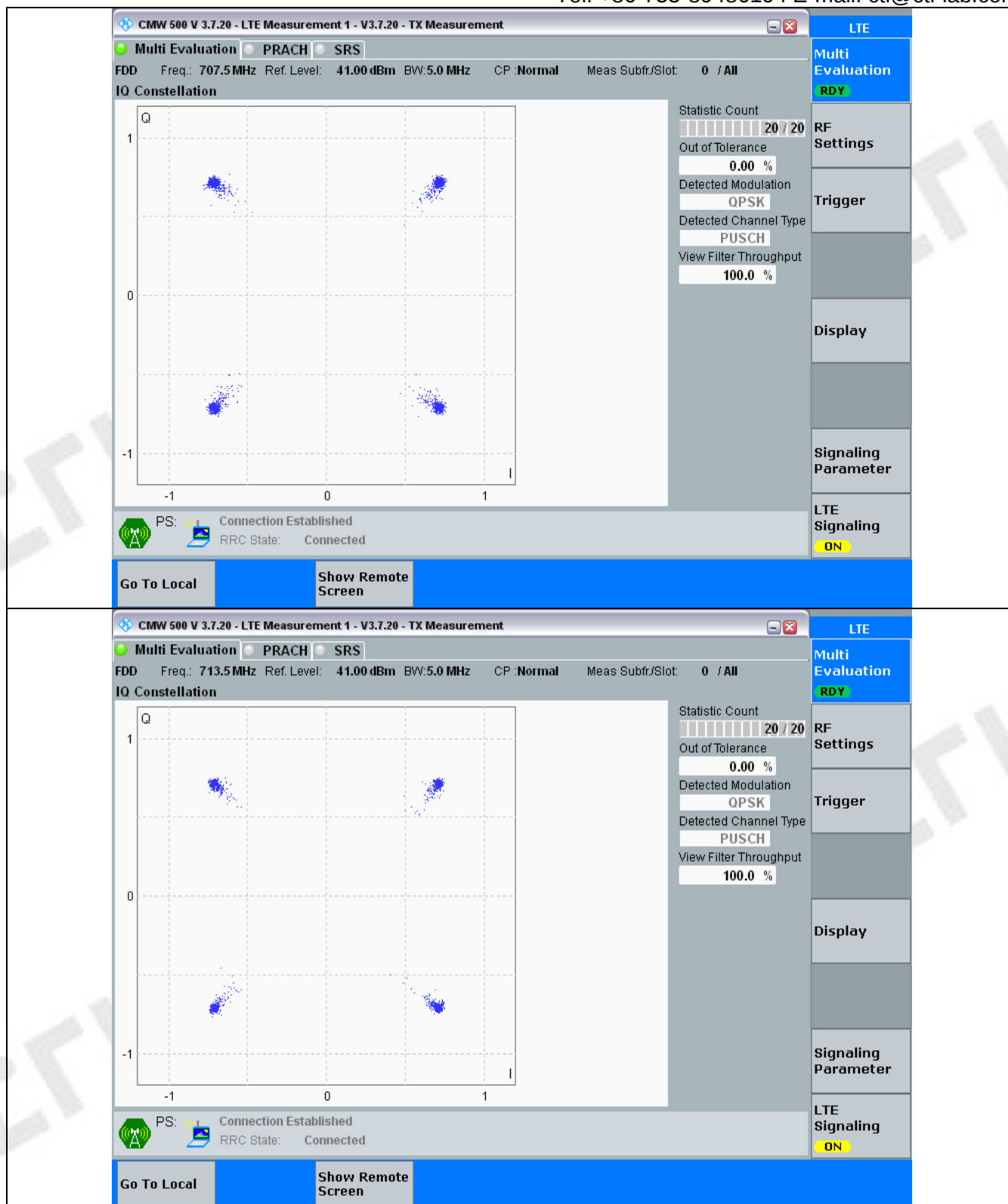
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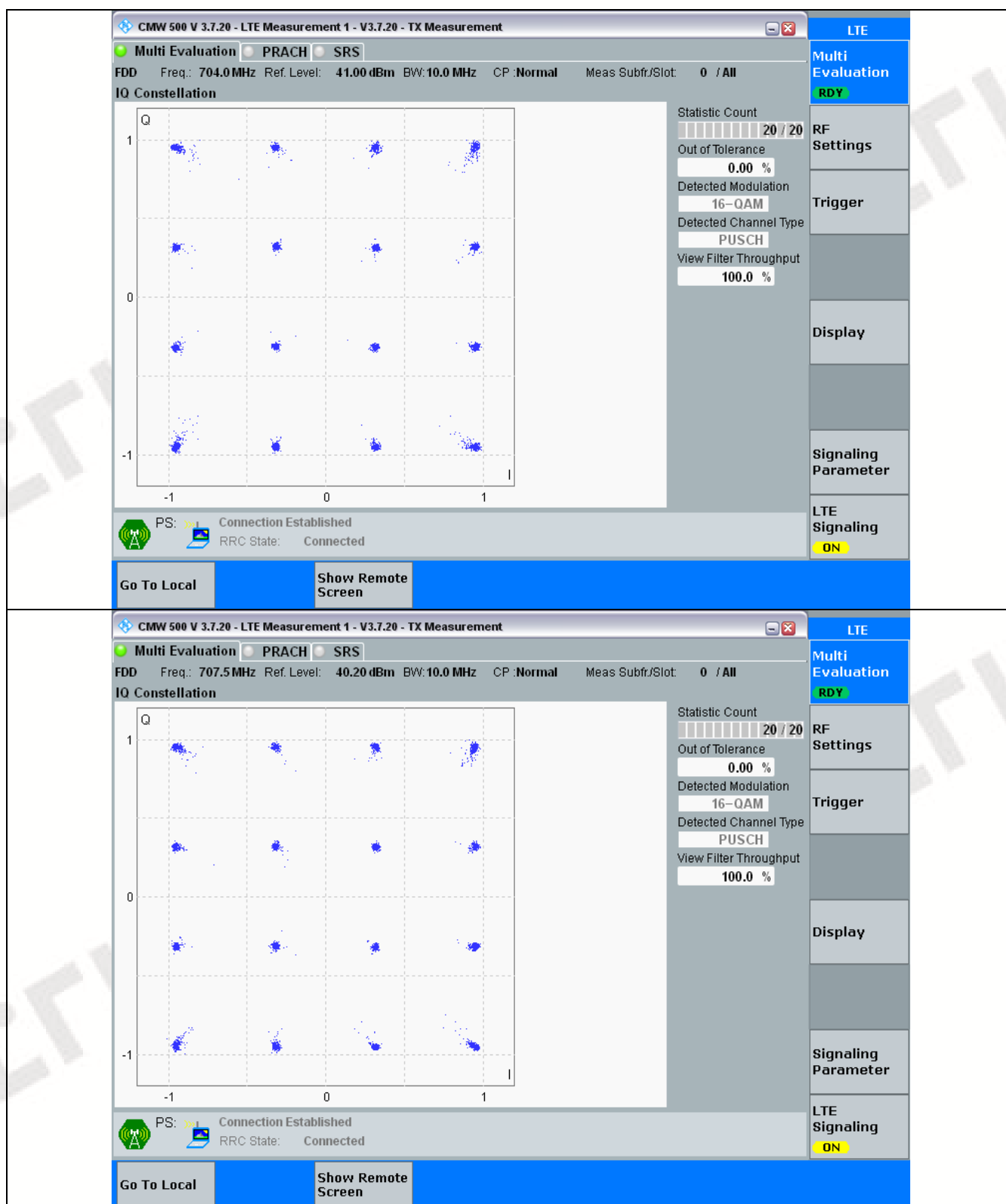




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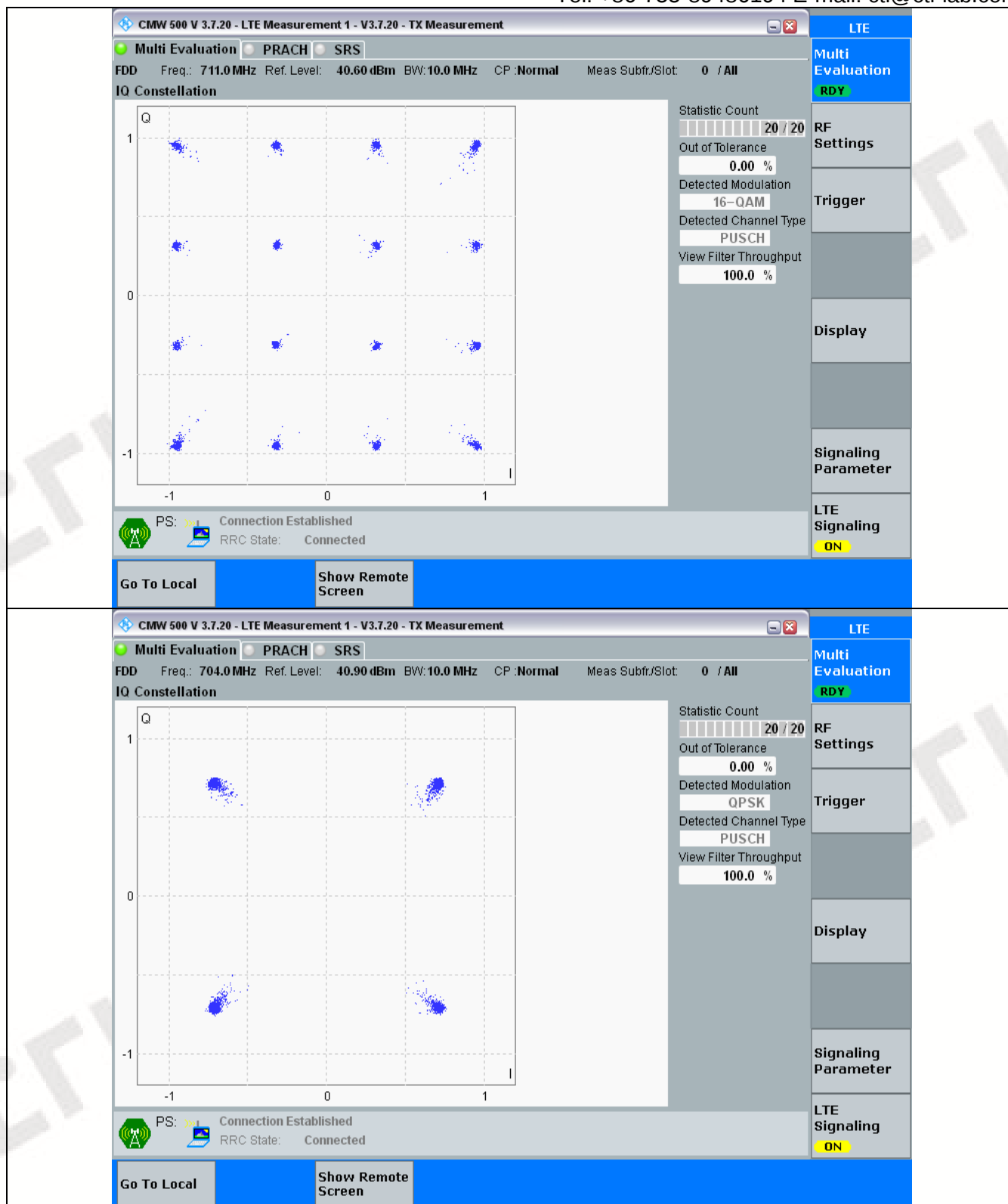
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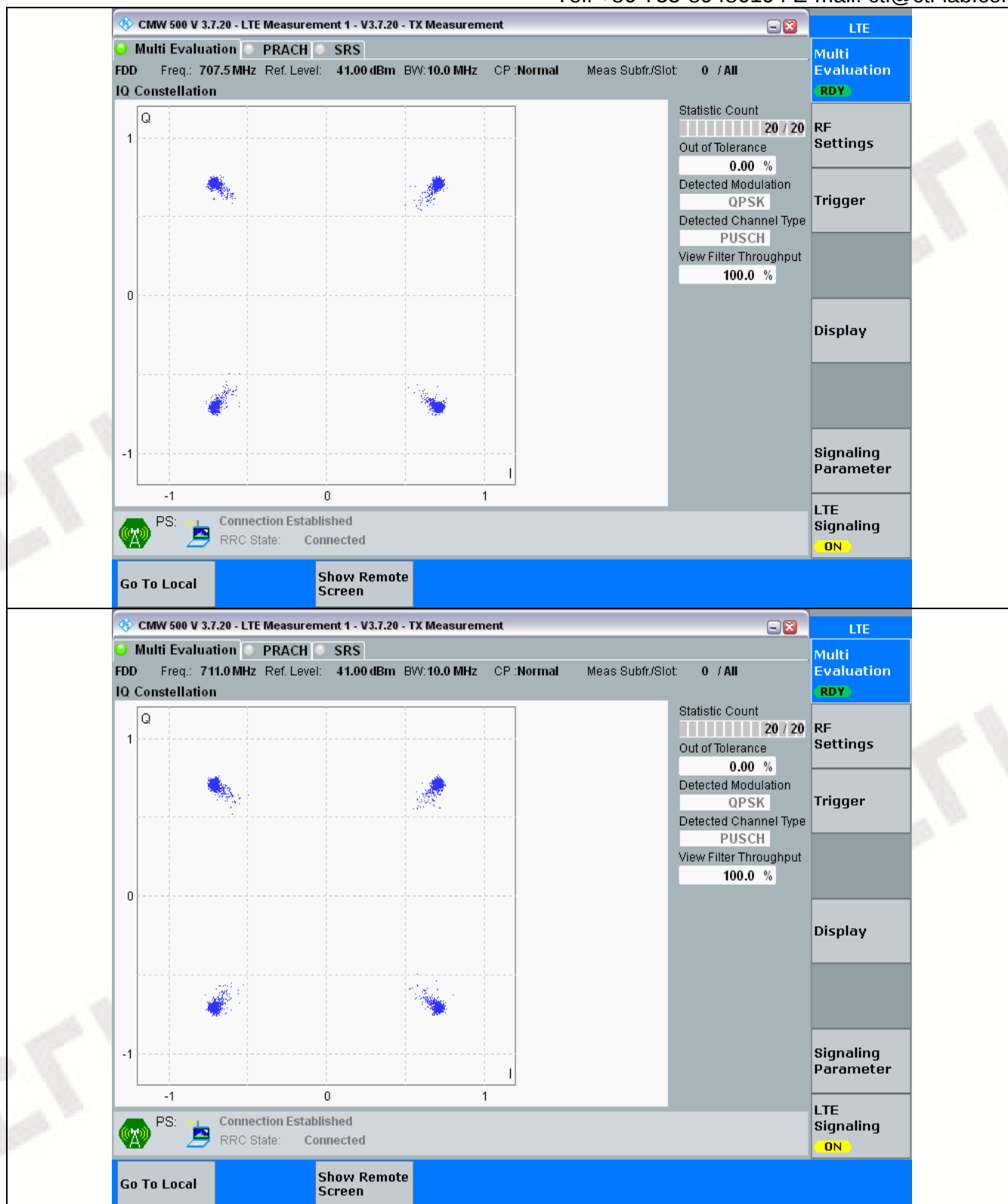
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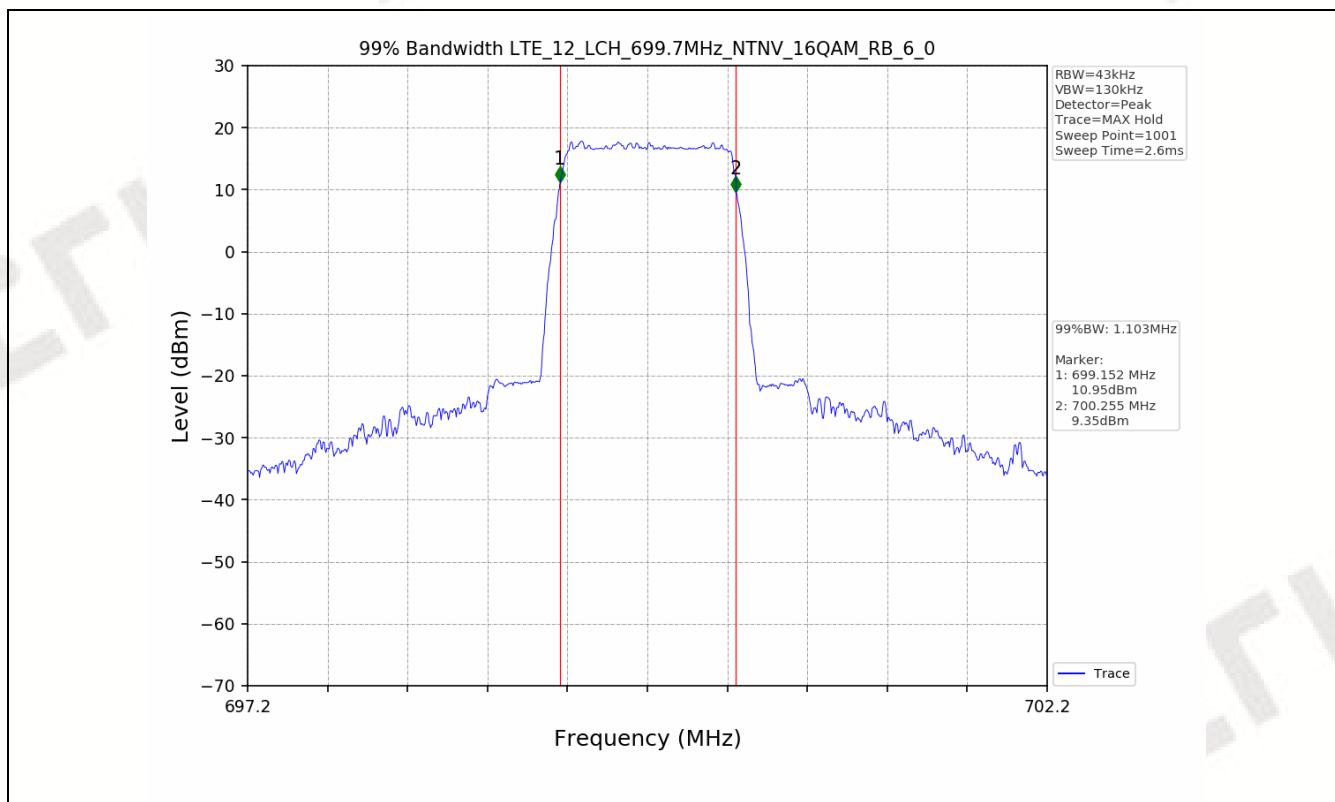
Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

4. 99% & 26dB Bandwidth

4.1 Test Result

Test Band: 12 1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.097	1.117	1.108	N/A	PASS
16QAM	6	0	1.103	1.111	1.112	N/A	PASS

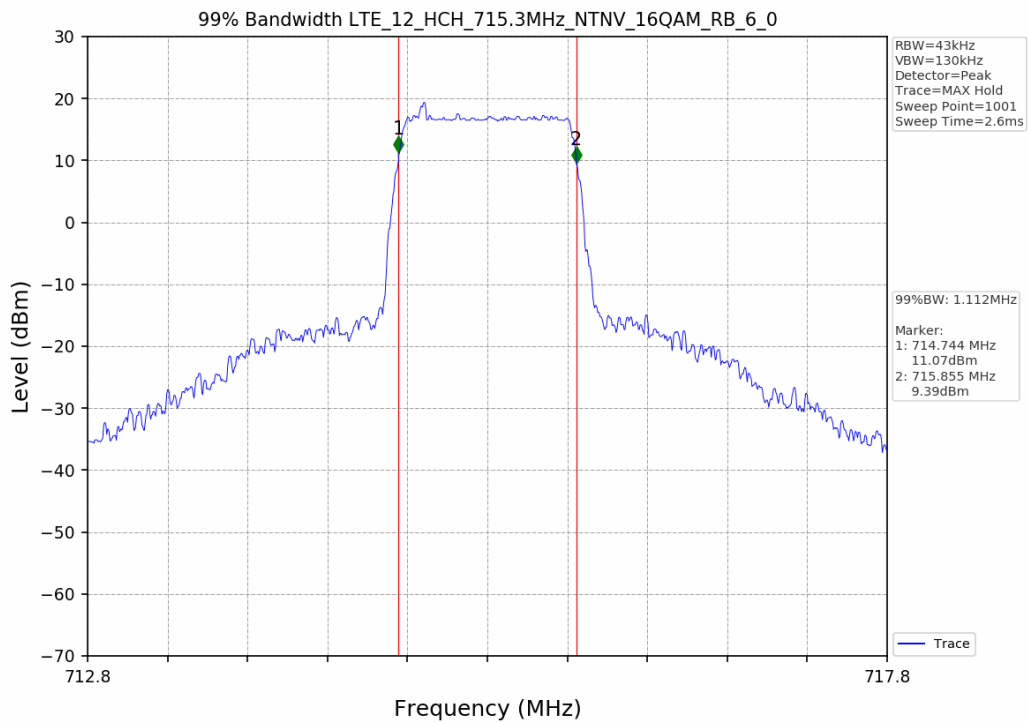
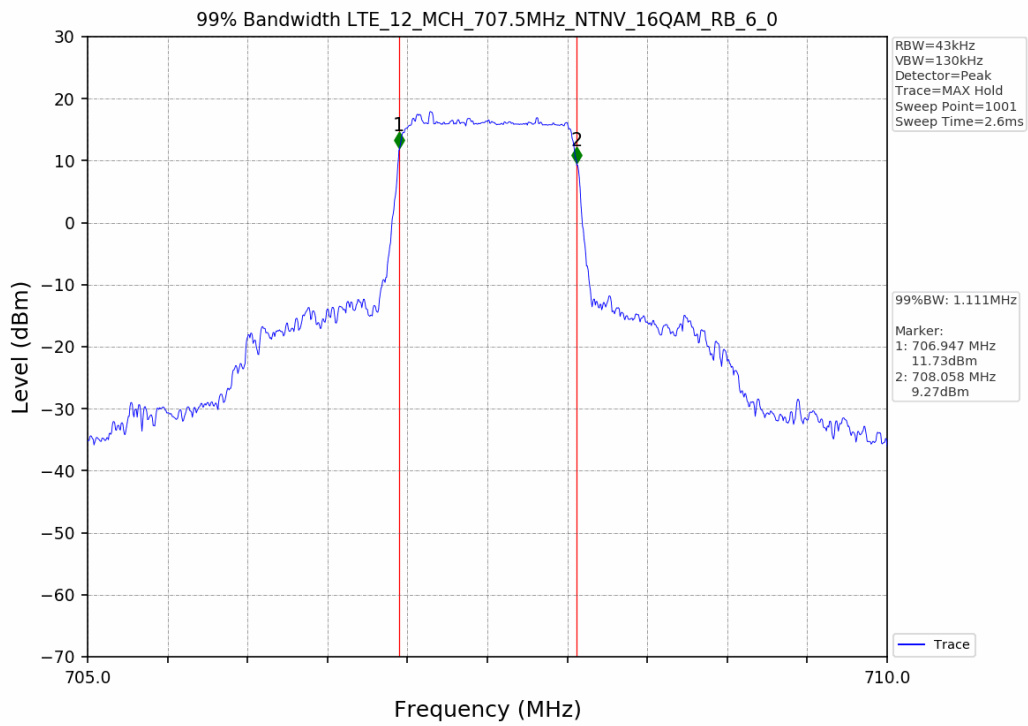
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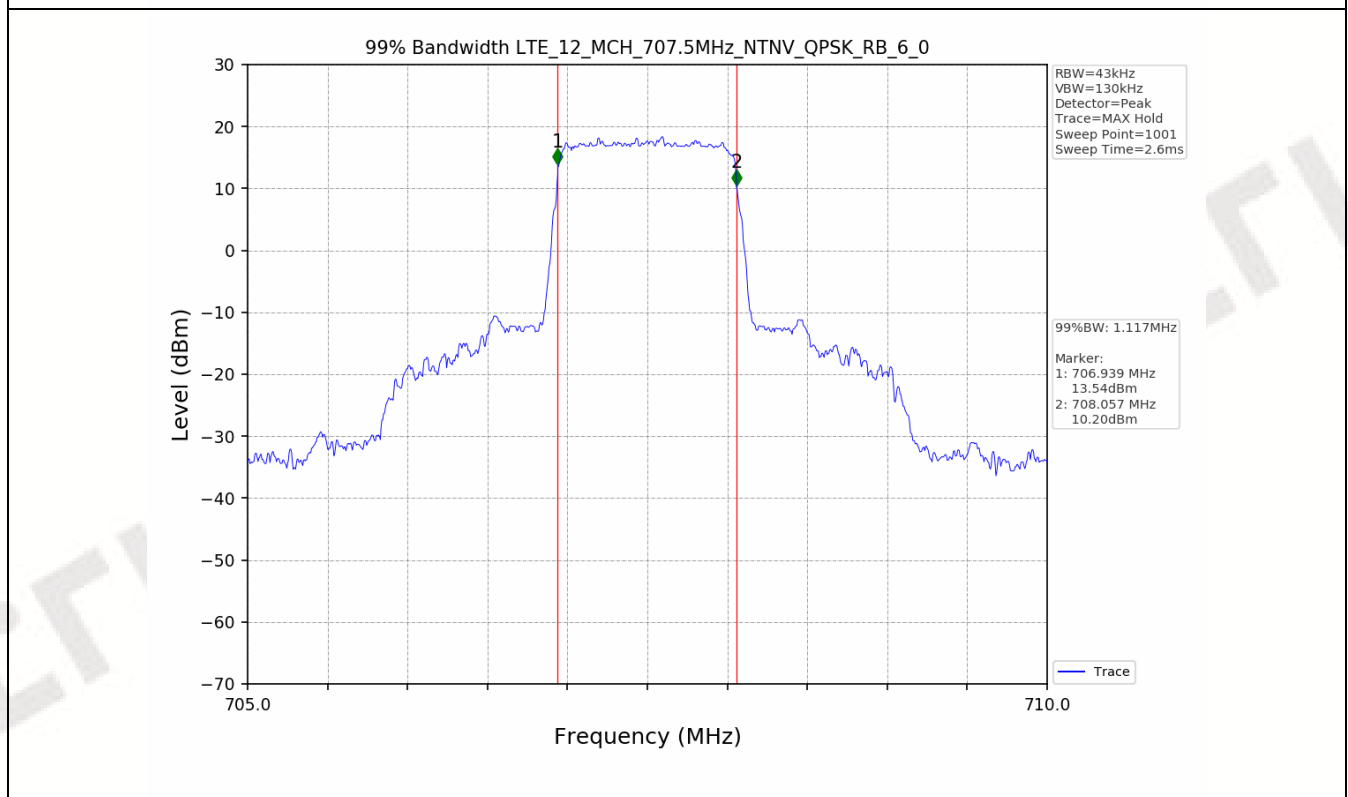
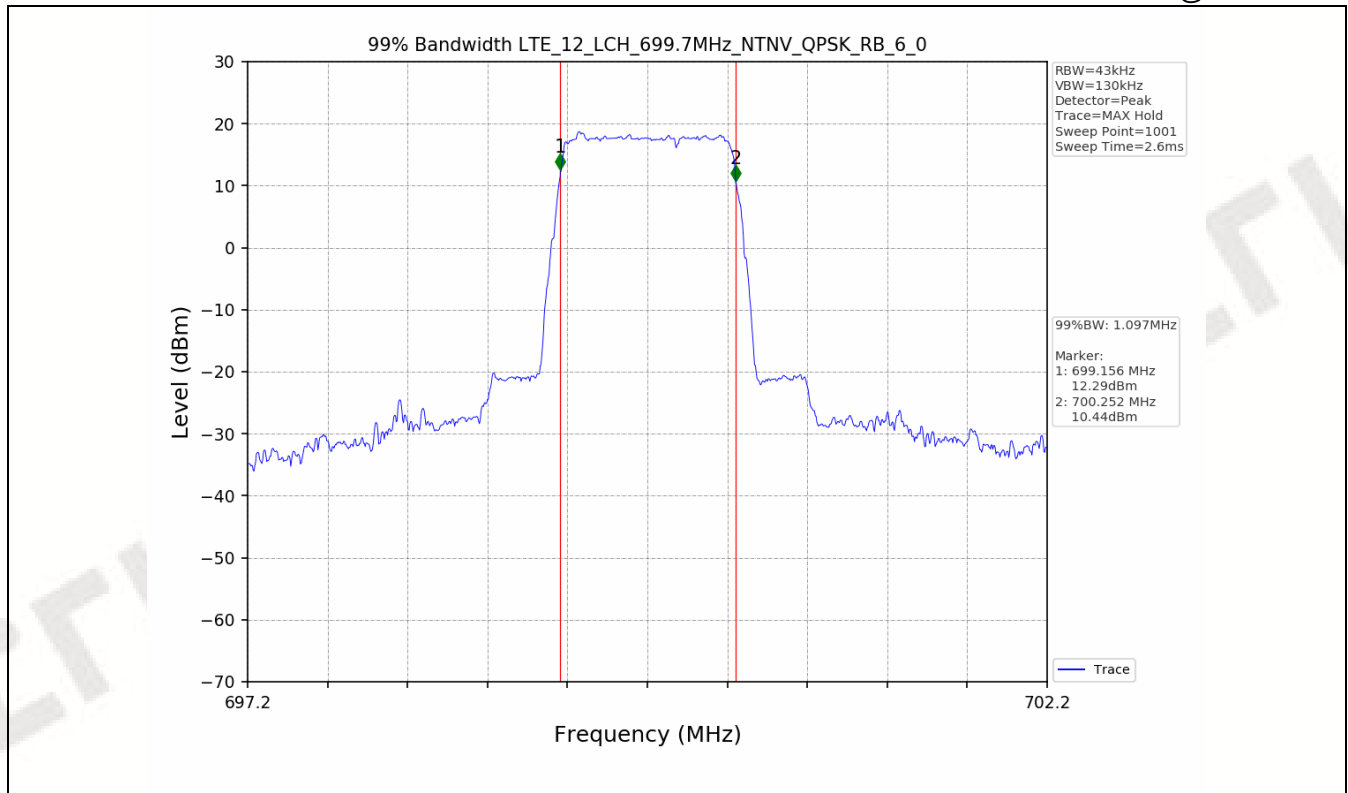
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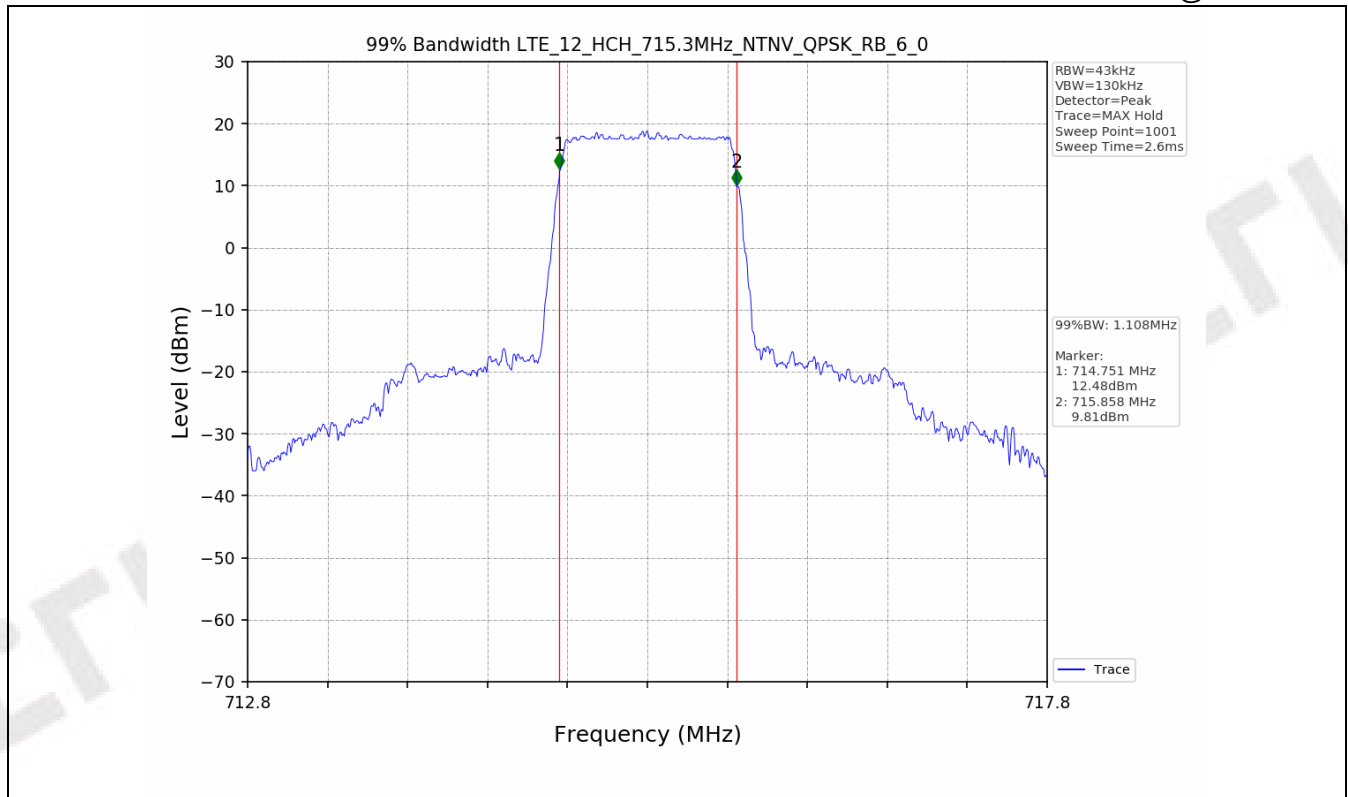
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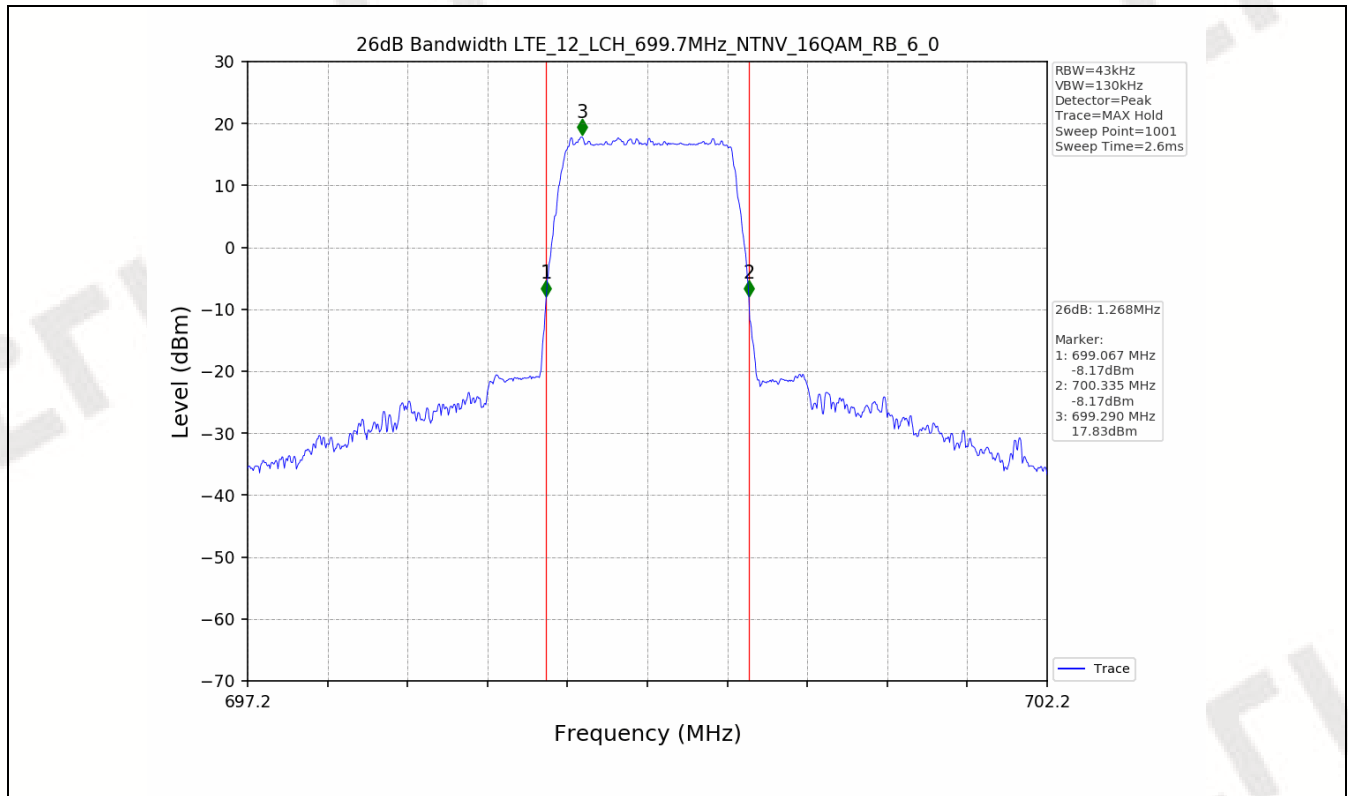


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Test Band: 12_1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.271	1.266	1.273	N/A	PASS
16QAM	6	0	1.268	1.260	1.263	N/A	PASS

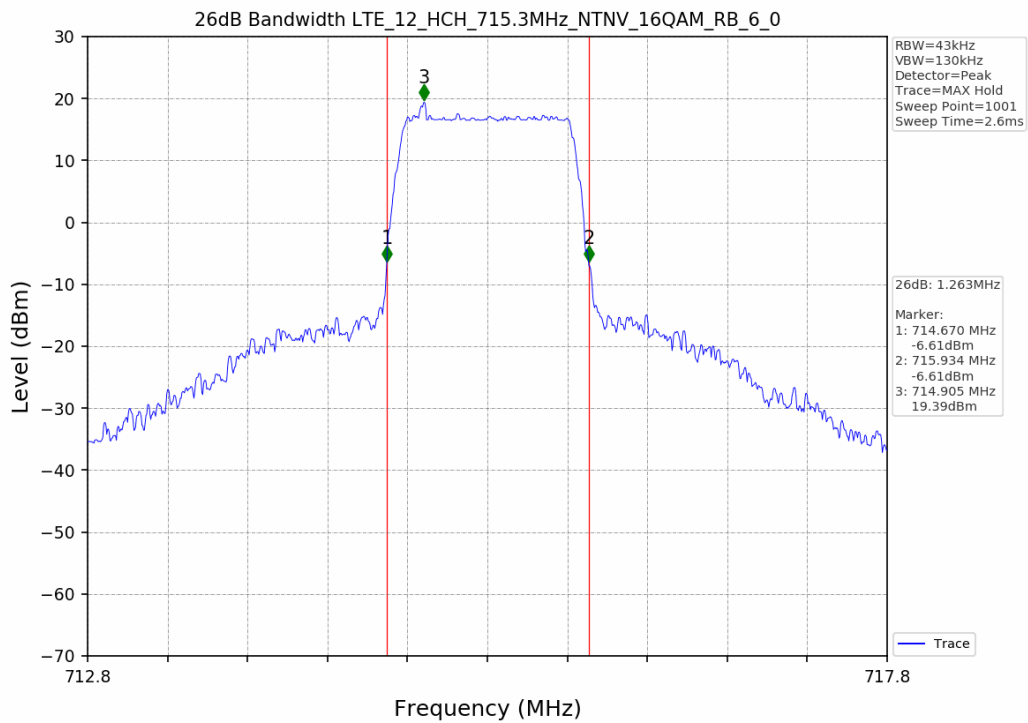
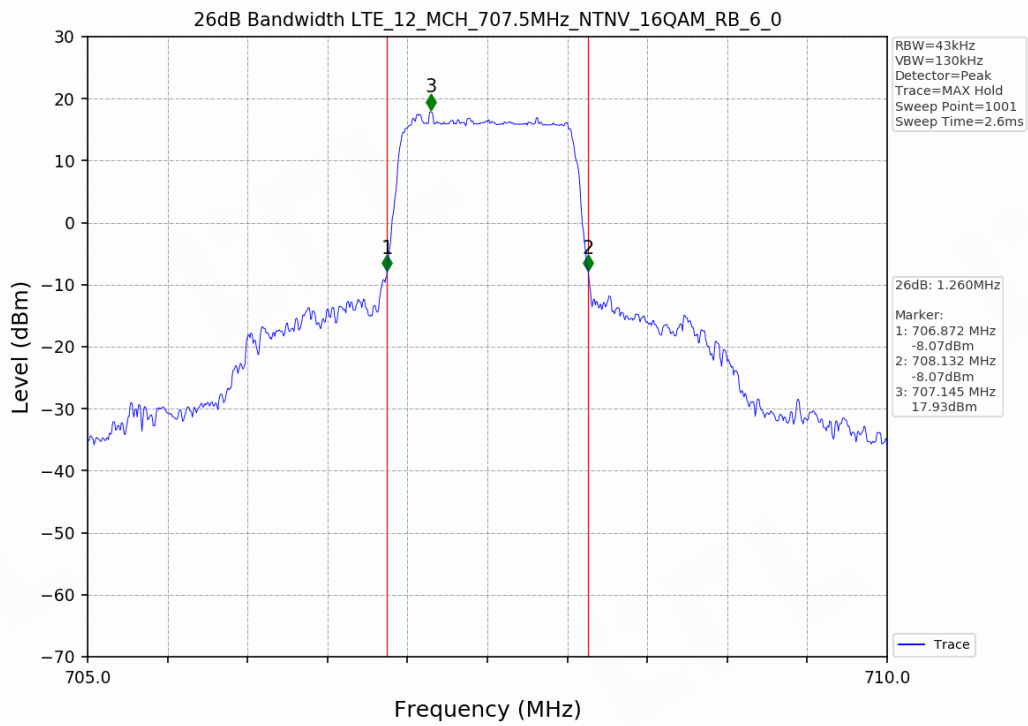
4.2 Test Graph





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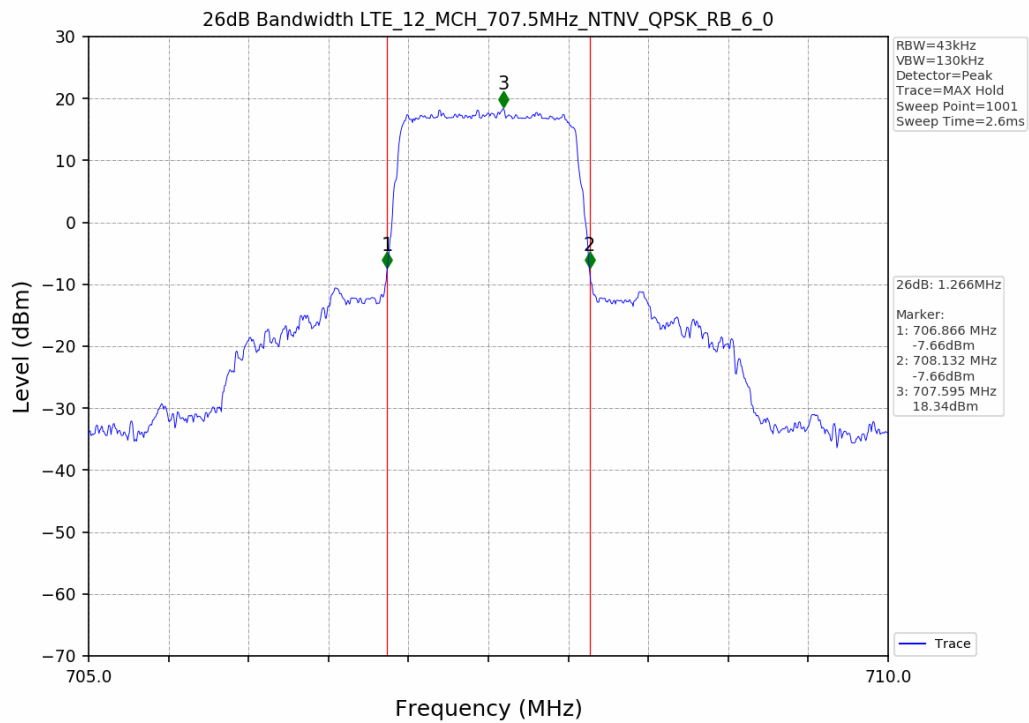
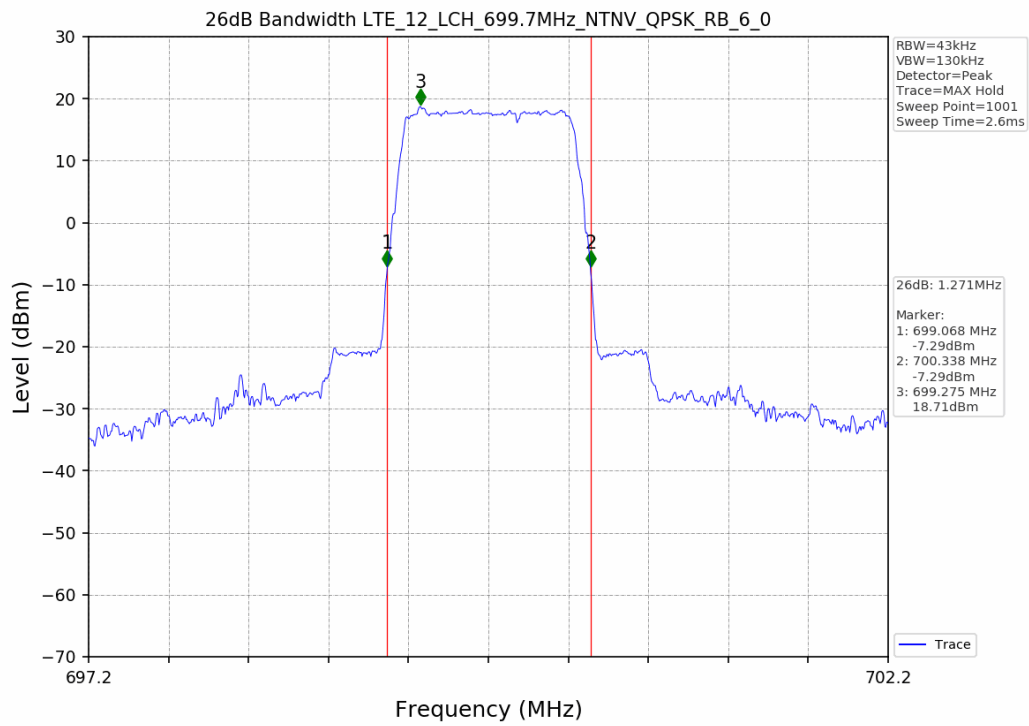
Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com





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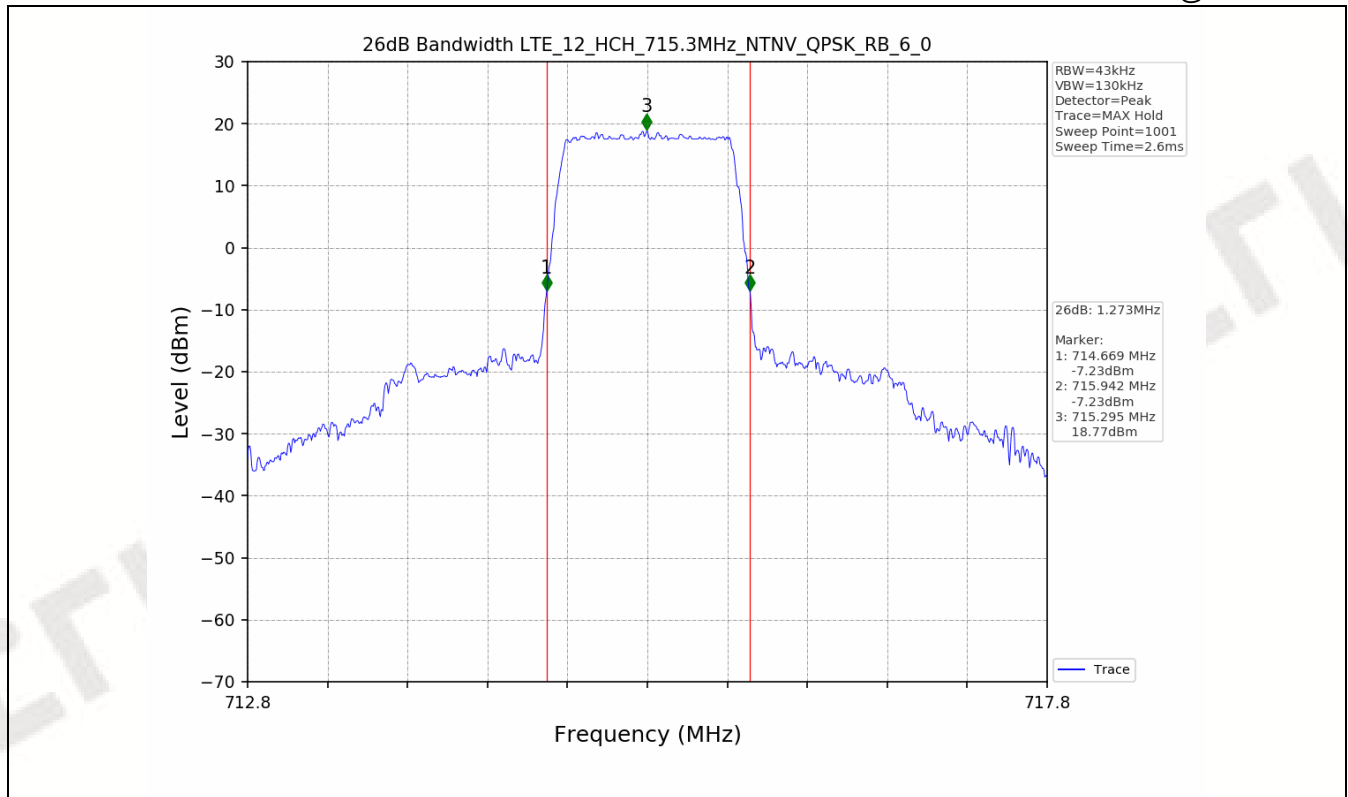
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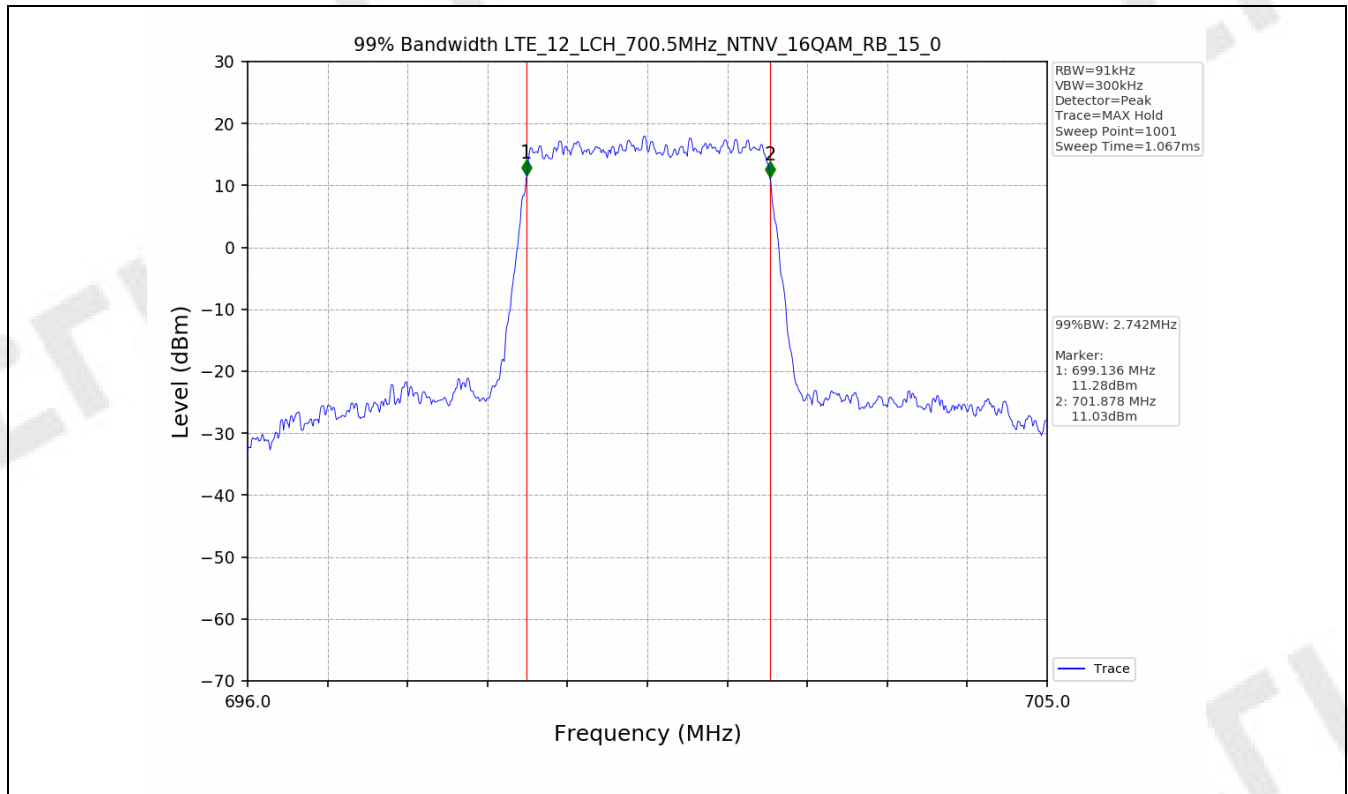


Shenzhen CTL Testing Technology Co., Ltd.

Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

Test Band: 12_3MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.748	2.756	2.739	N/A	PASS
16QAM	15	0	2.742	2.747	2.738	N/A	PASS

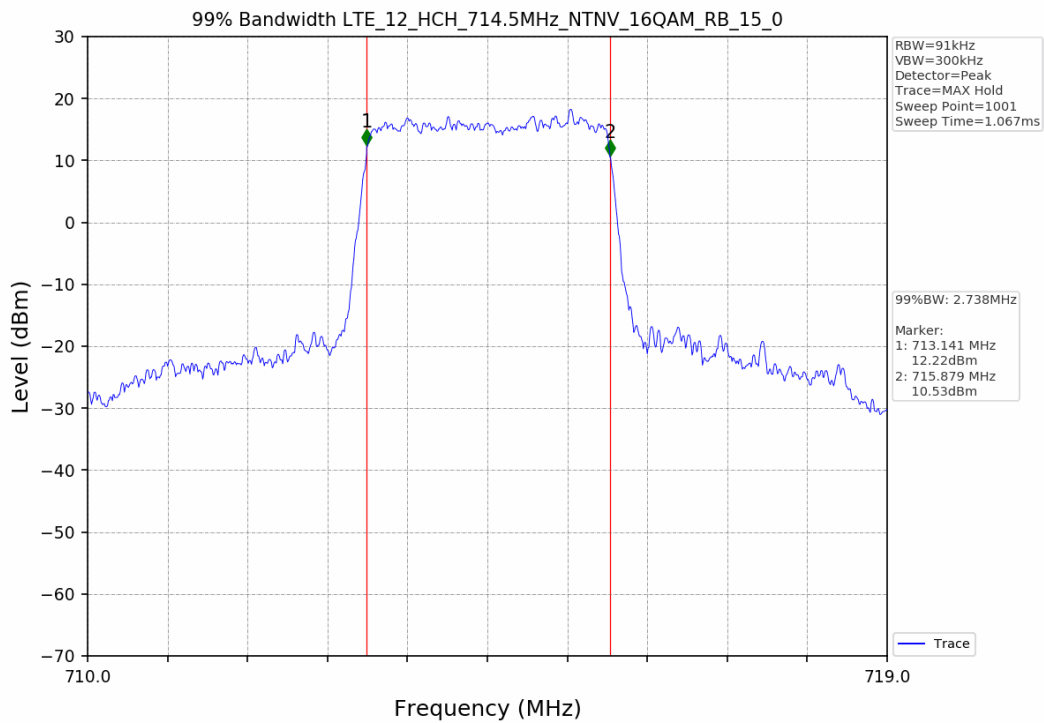
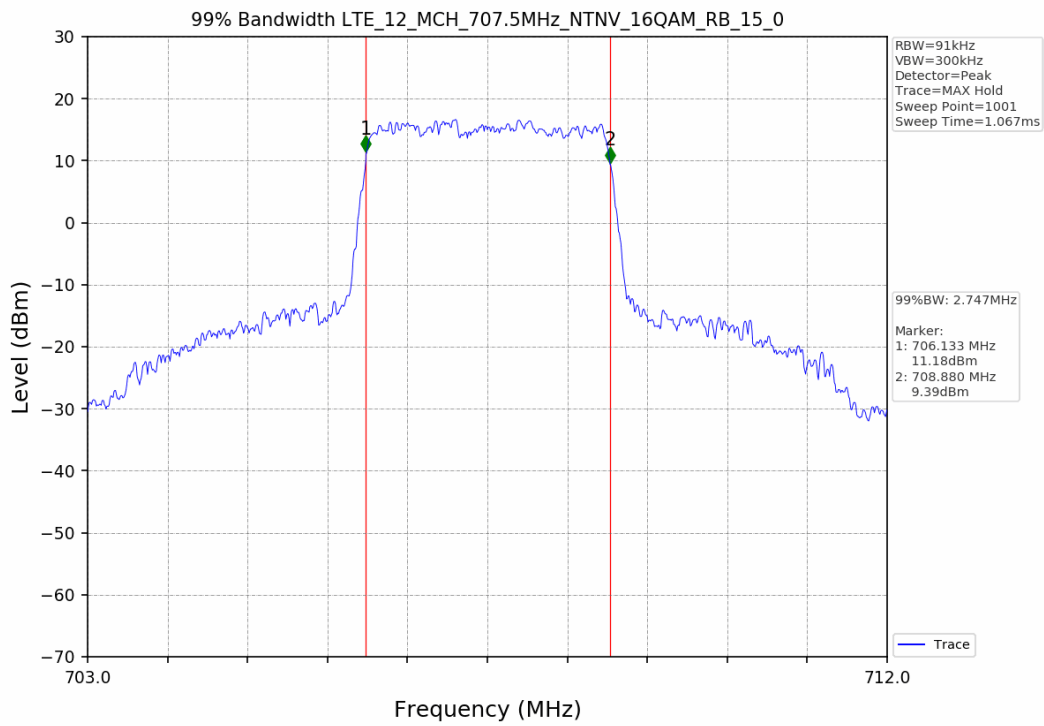
4.2 Test Graph





Shenzhen CTL Testing Technology Co., Ltd.

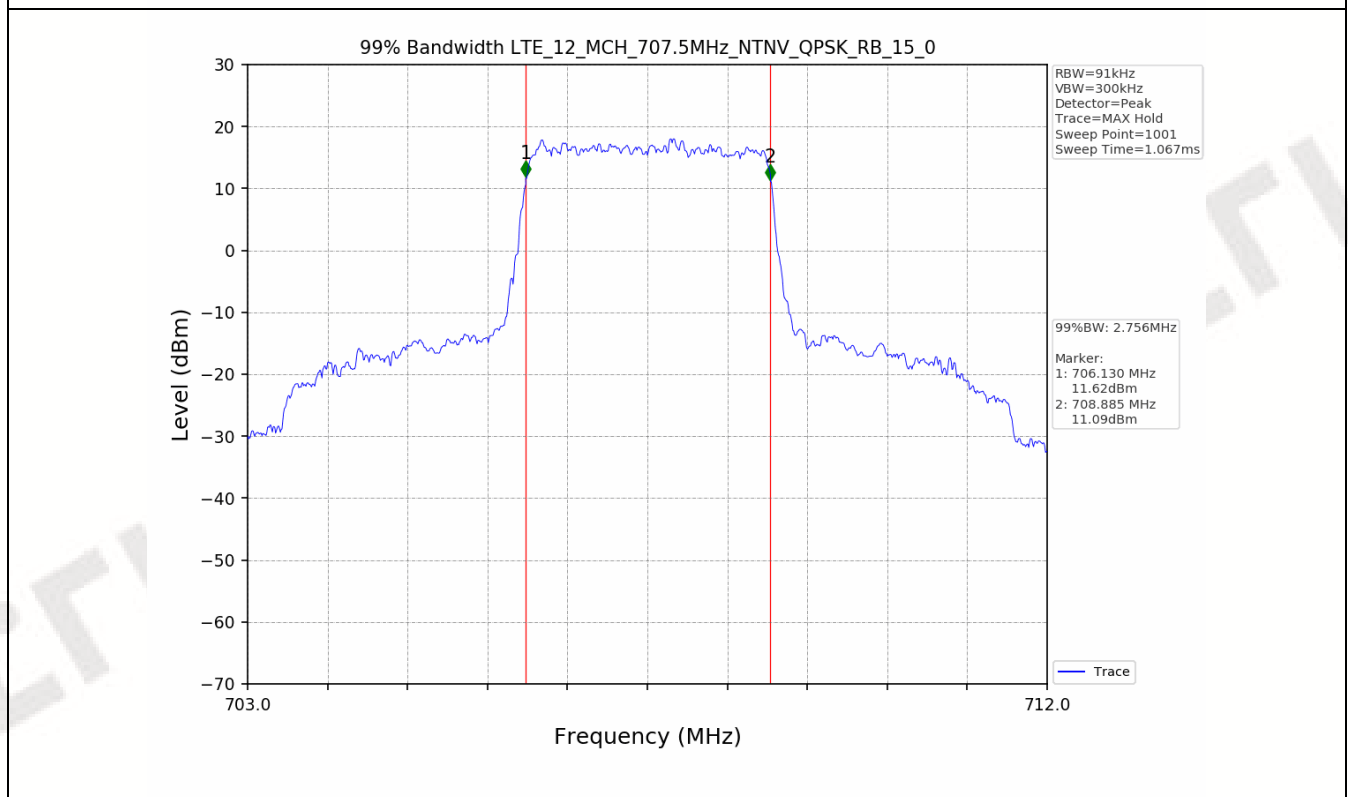
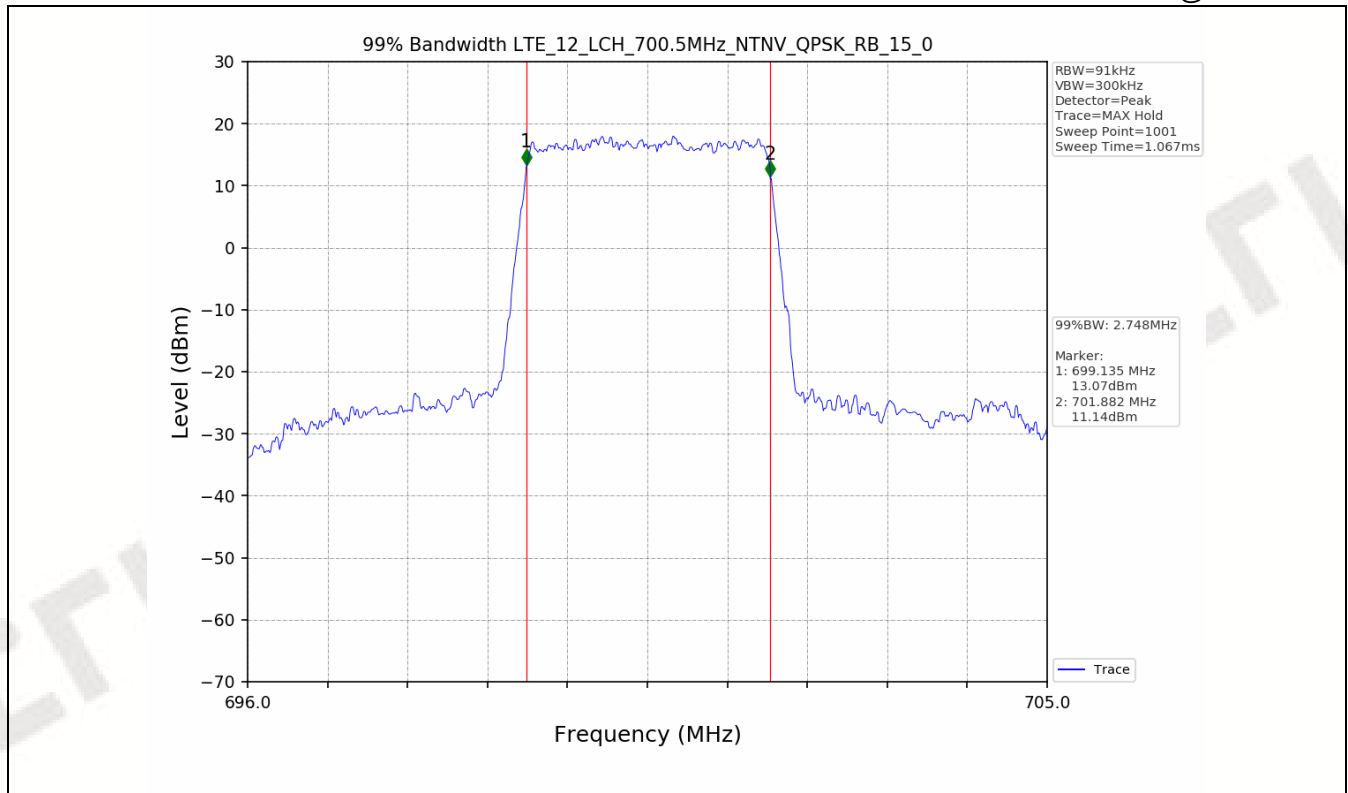
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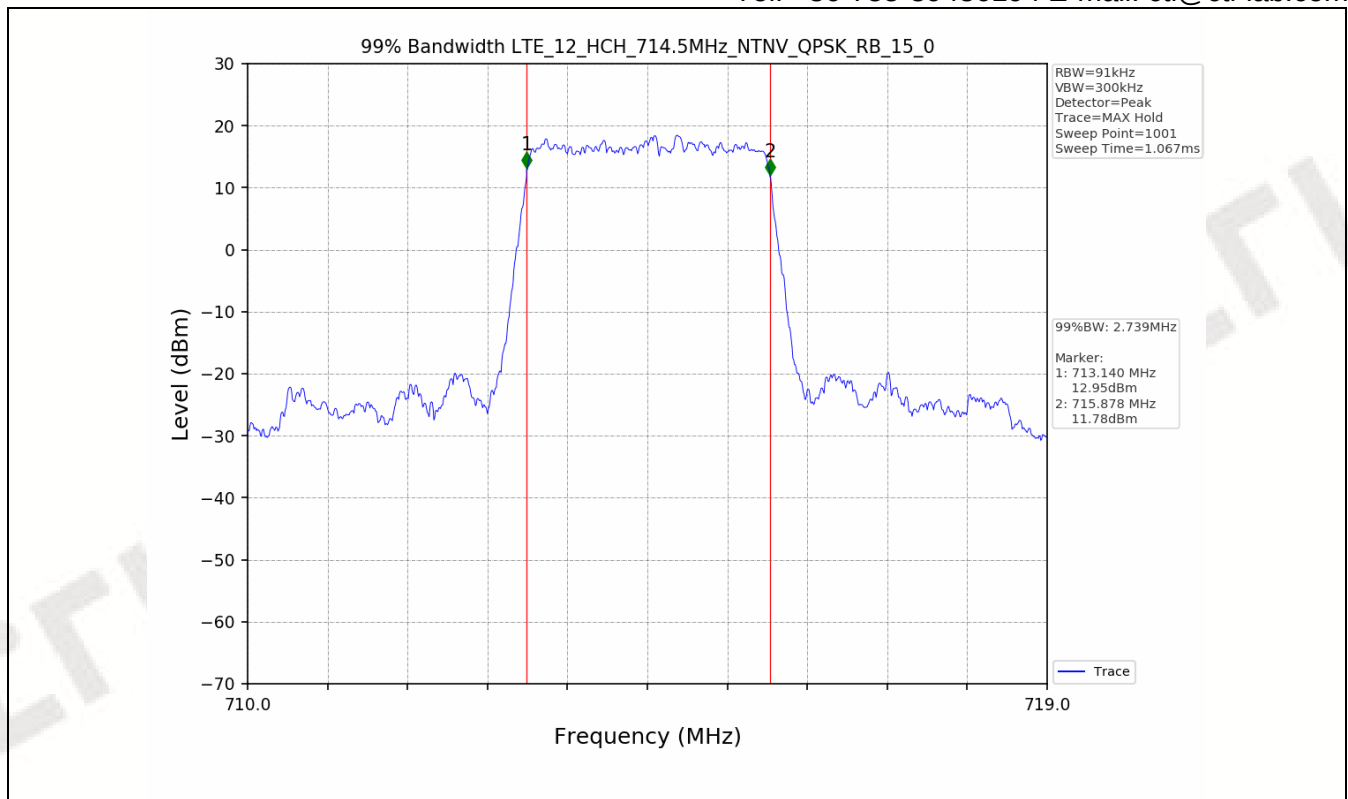
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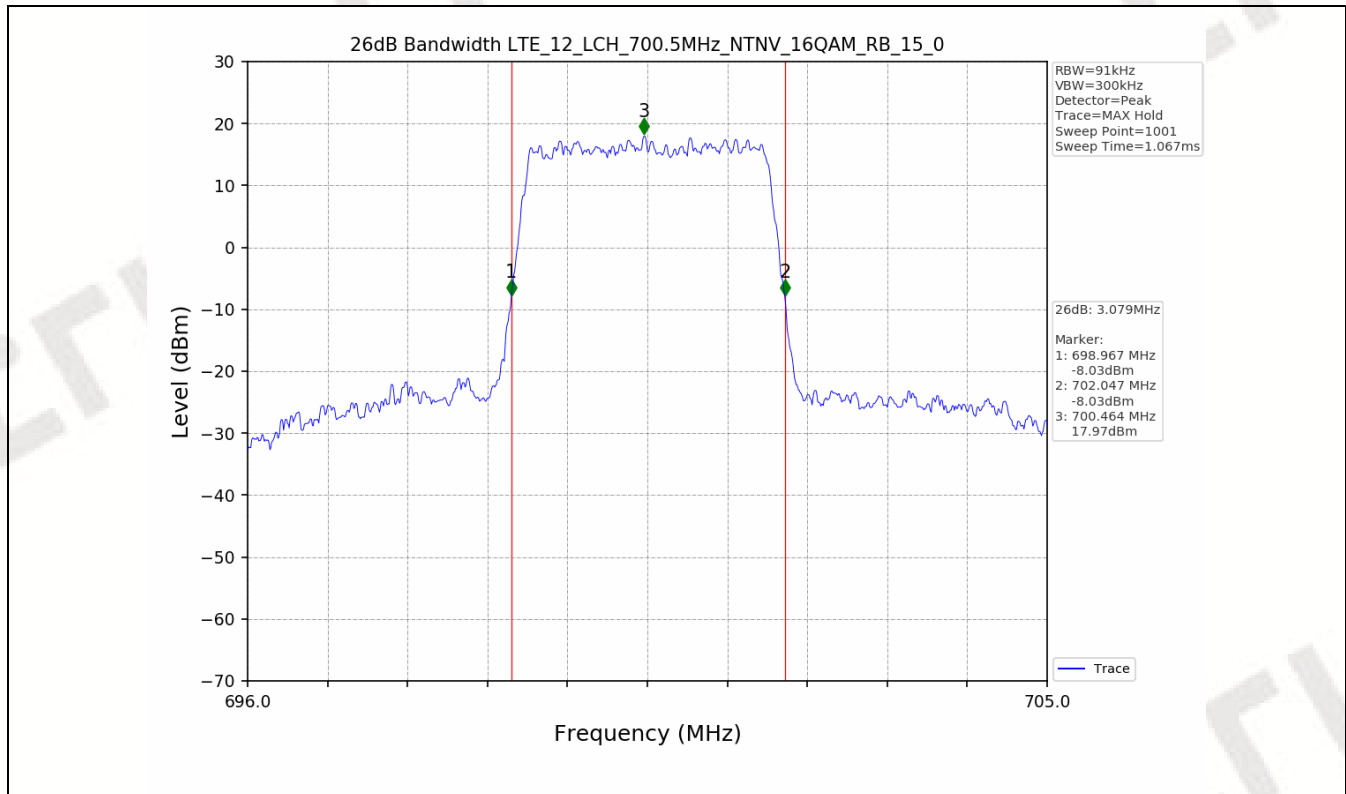


Shenzhen CTL Testing Technology Co., Ltd.

Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

Test Band: 12_3MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	3.067	3.124	3.091	N/A	PASS
16QAM	15	0	3.079	3.072	3.028	N/A	PASS

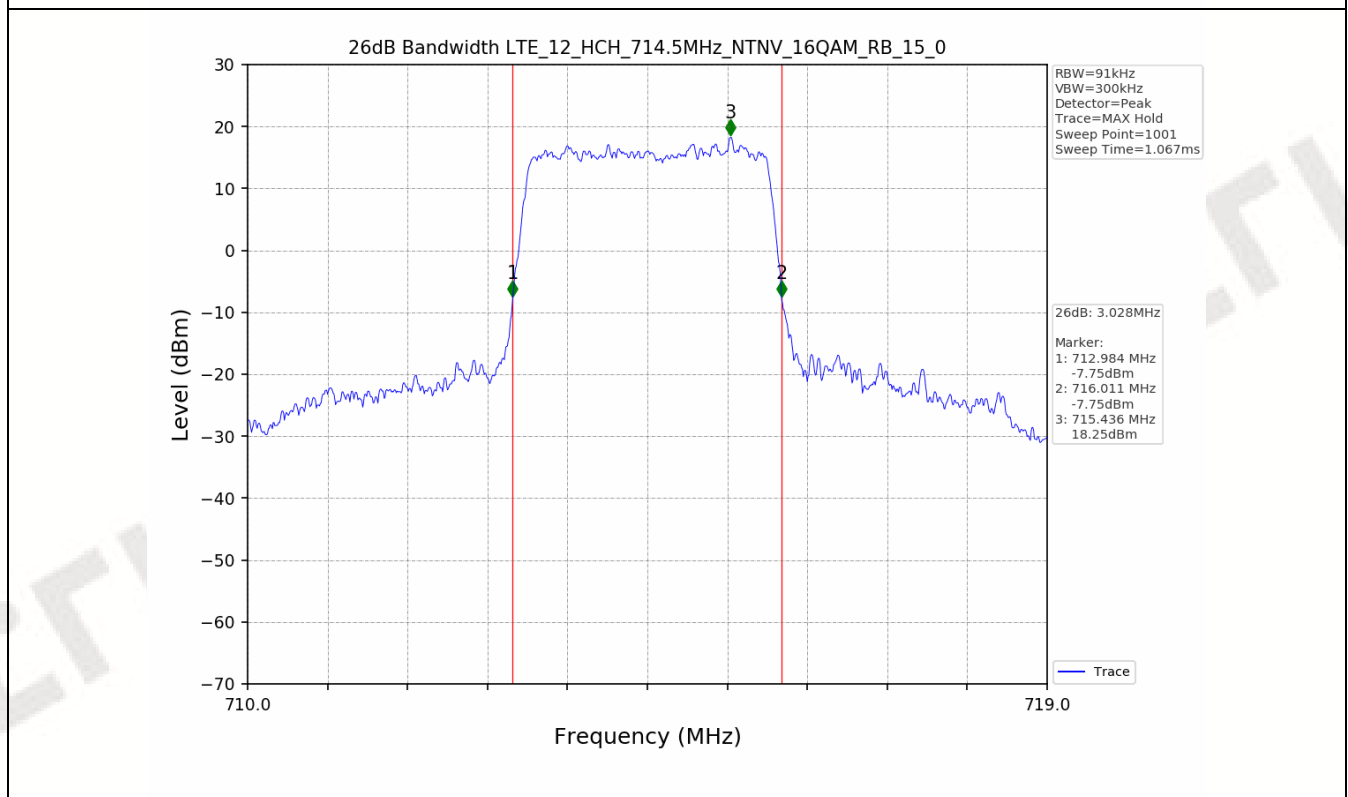
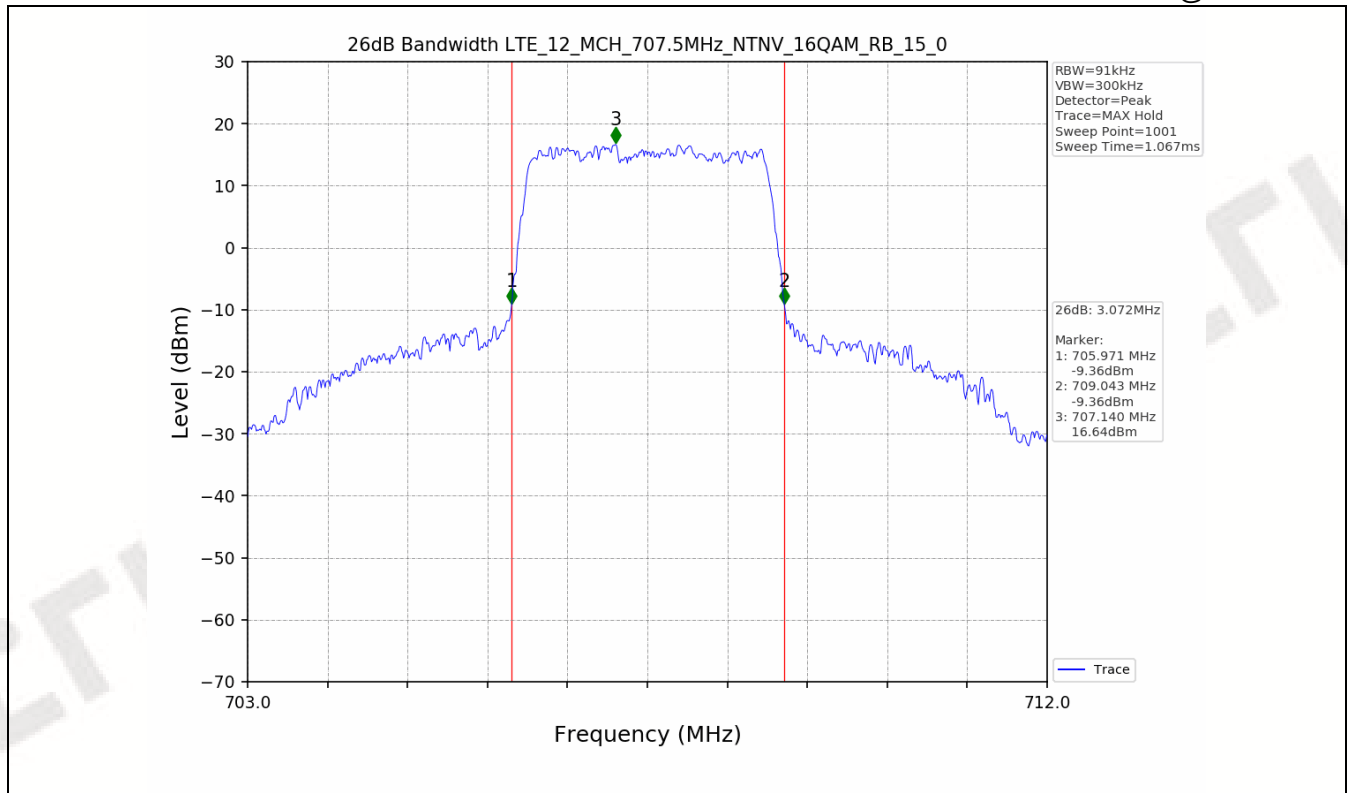
4.2 Test Graph





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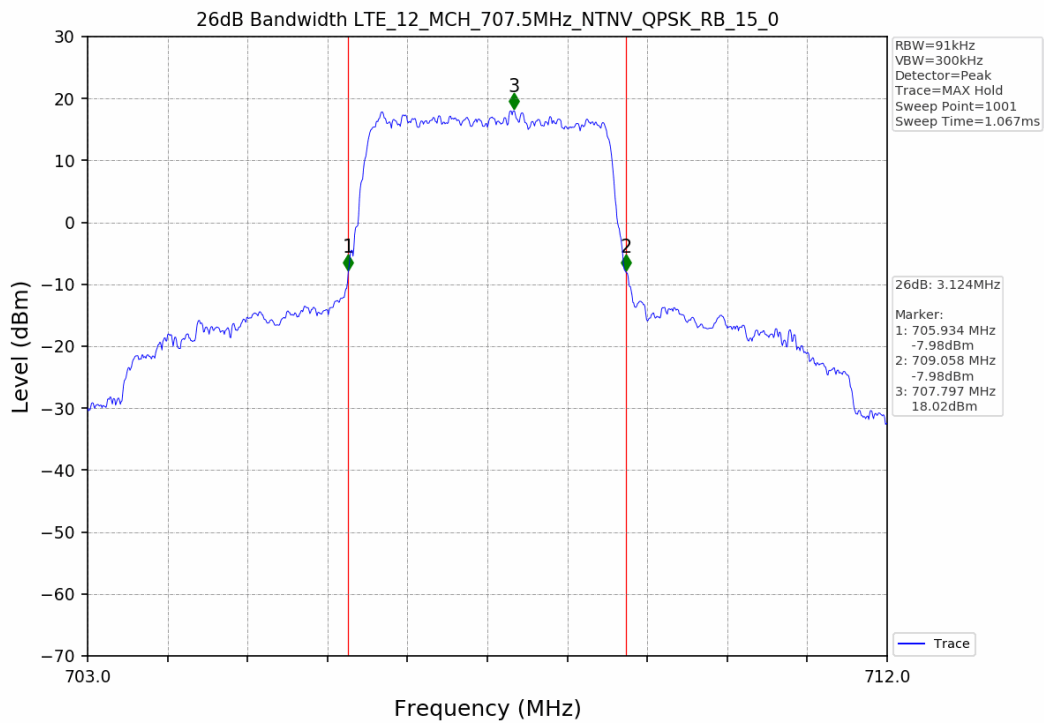
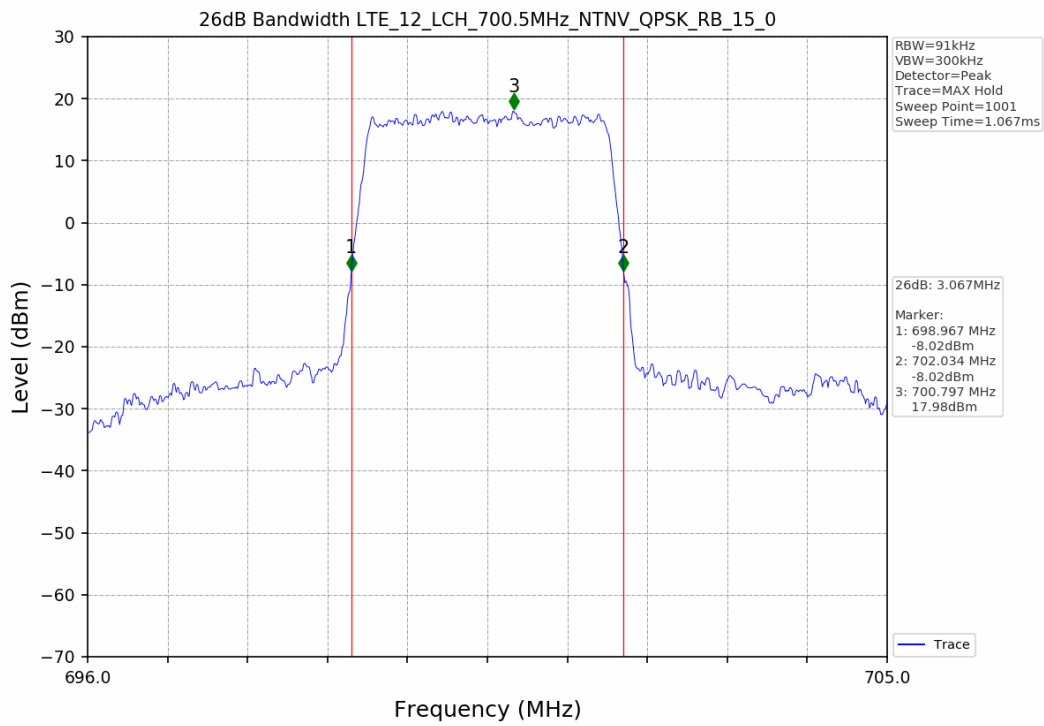
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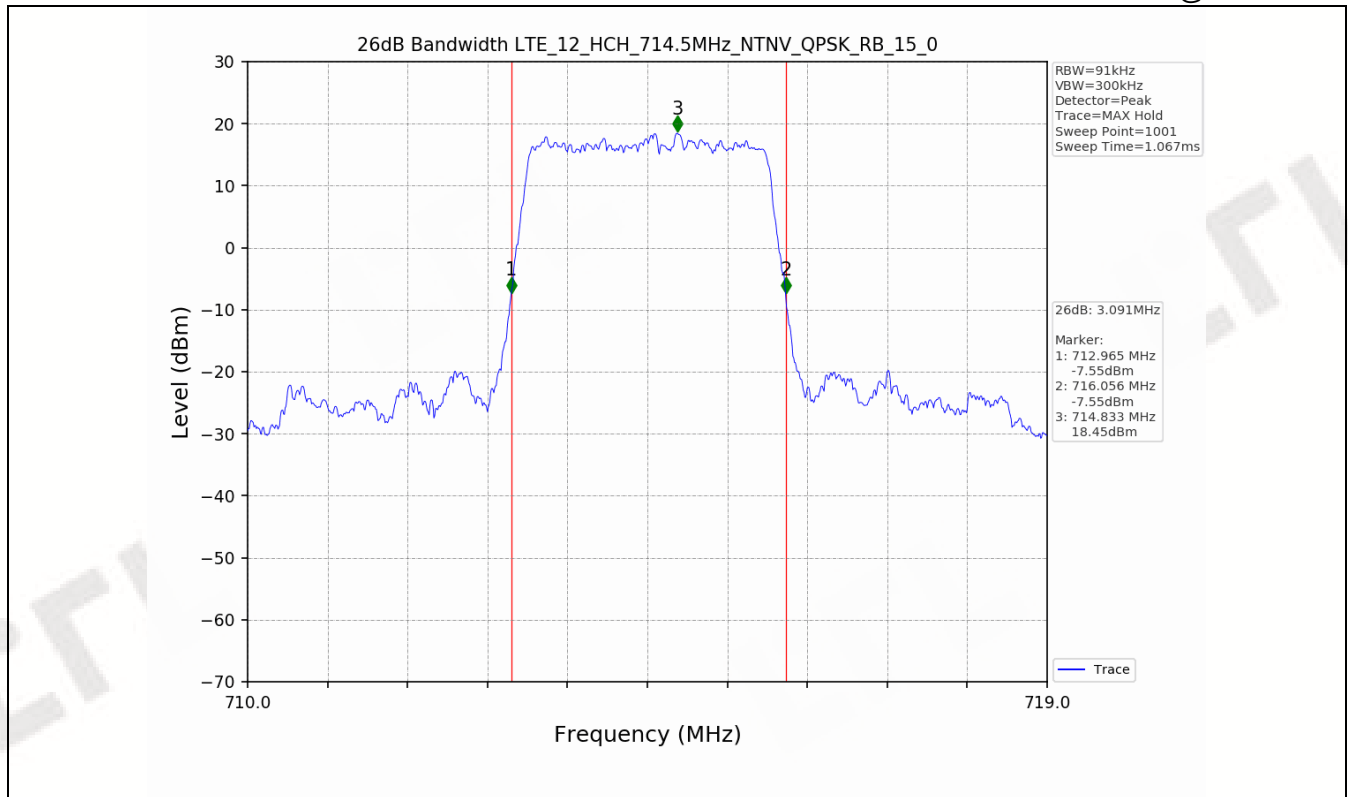
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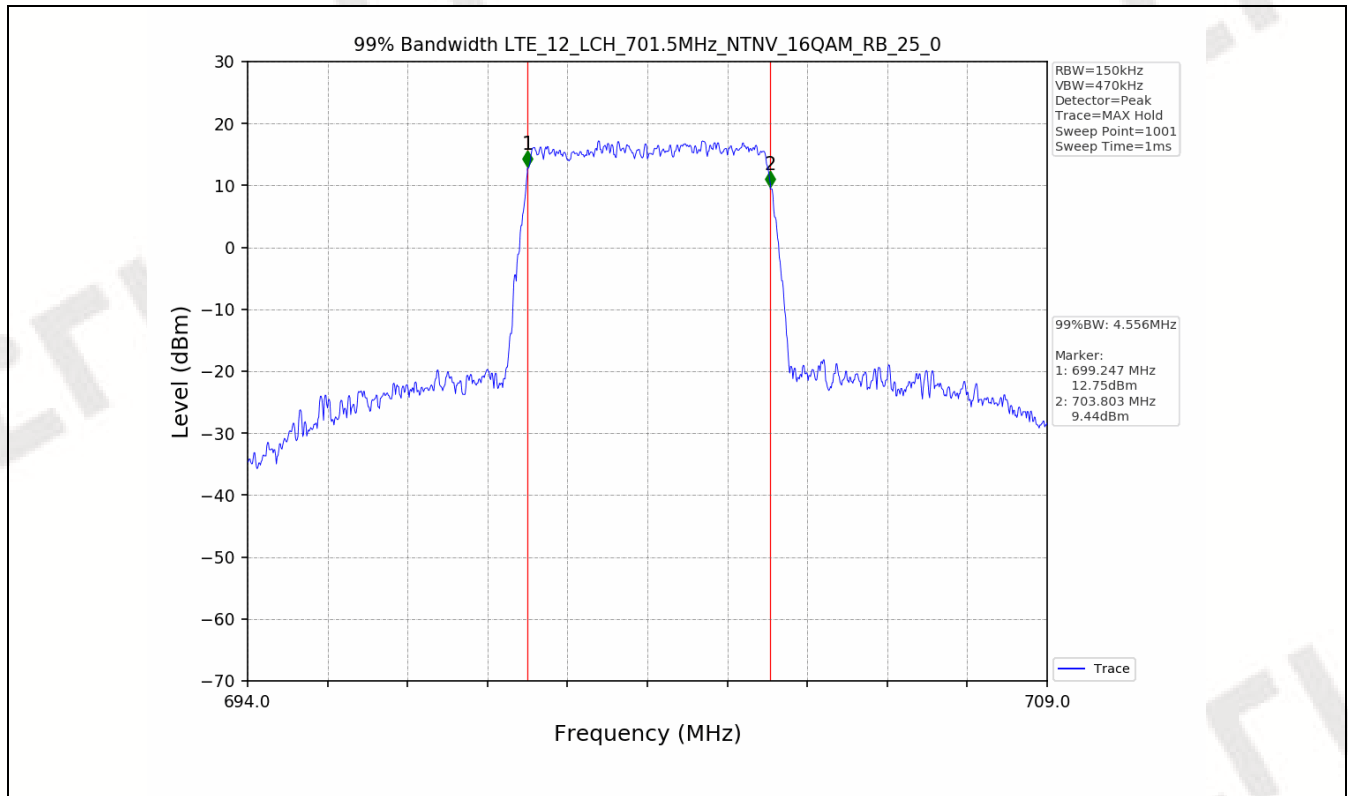


Shenzhen CTL Testing Technology Co., Ltd.

Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

Test Band: 12_5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.552	4.551	4.584	N/A	PASS
16QAM	25	0	4.556	4.563	4.556	N/A	PASS

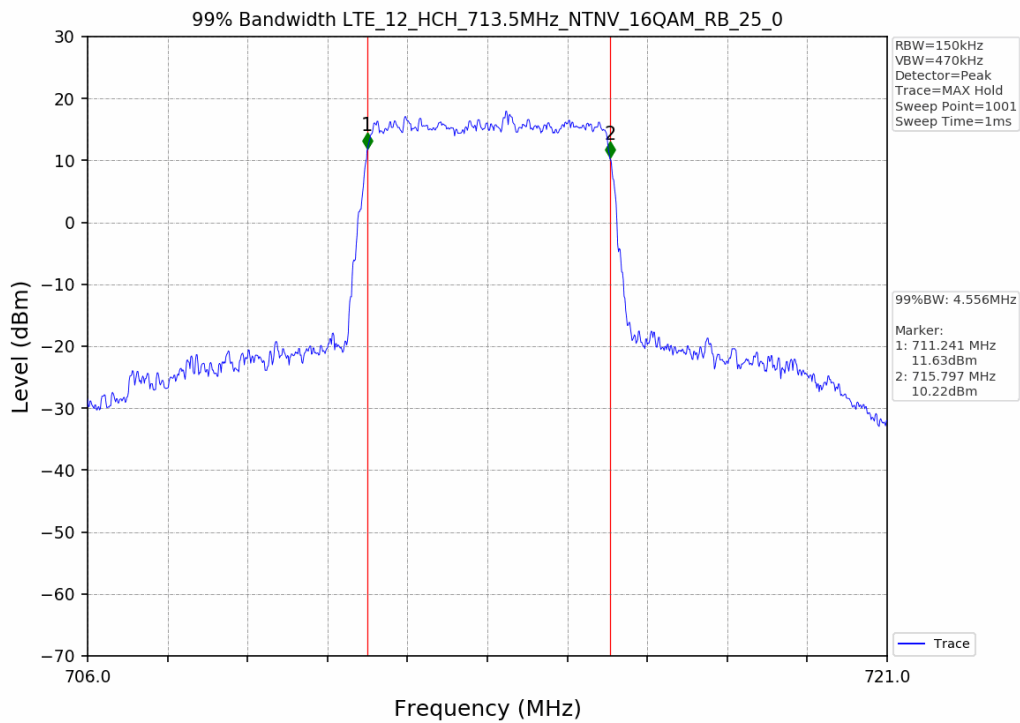
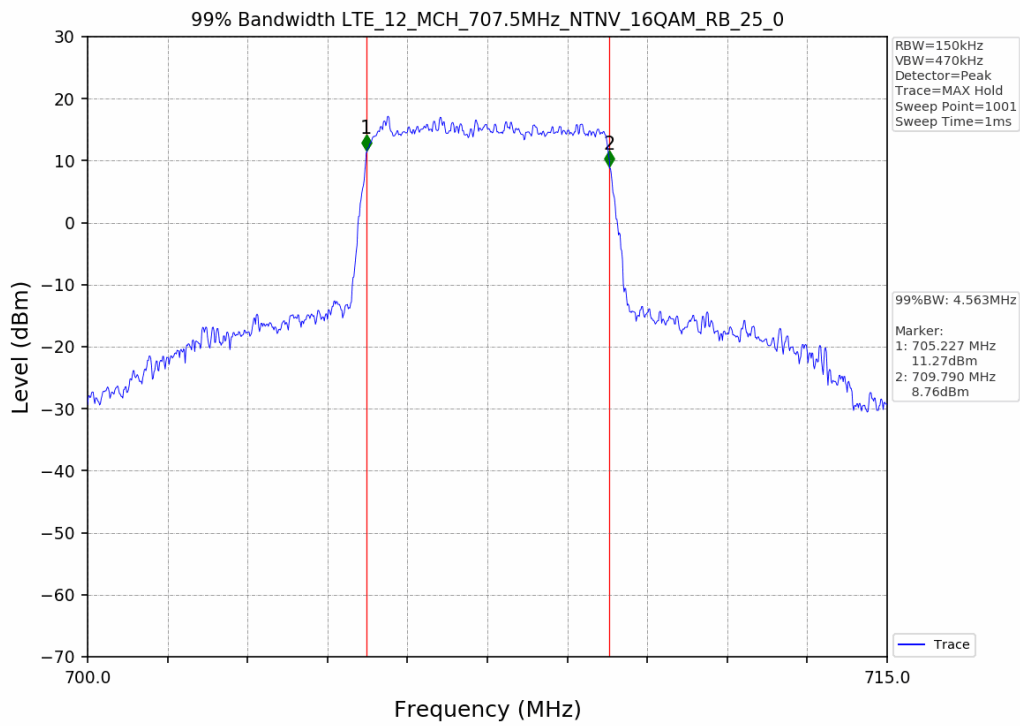
4.2 Test Graph





Shenzhen CTL Testing Technology Co., Ltd.

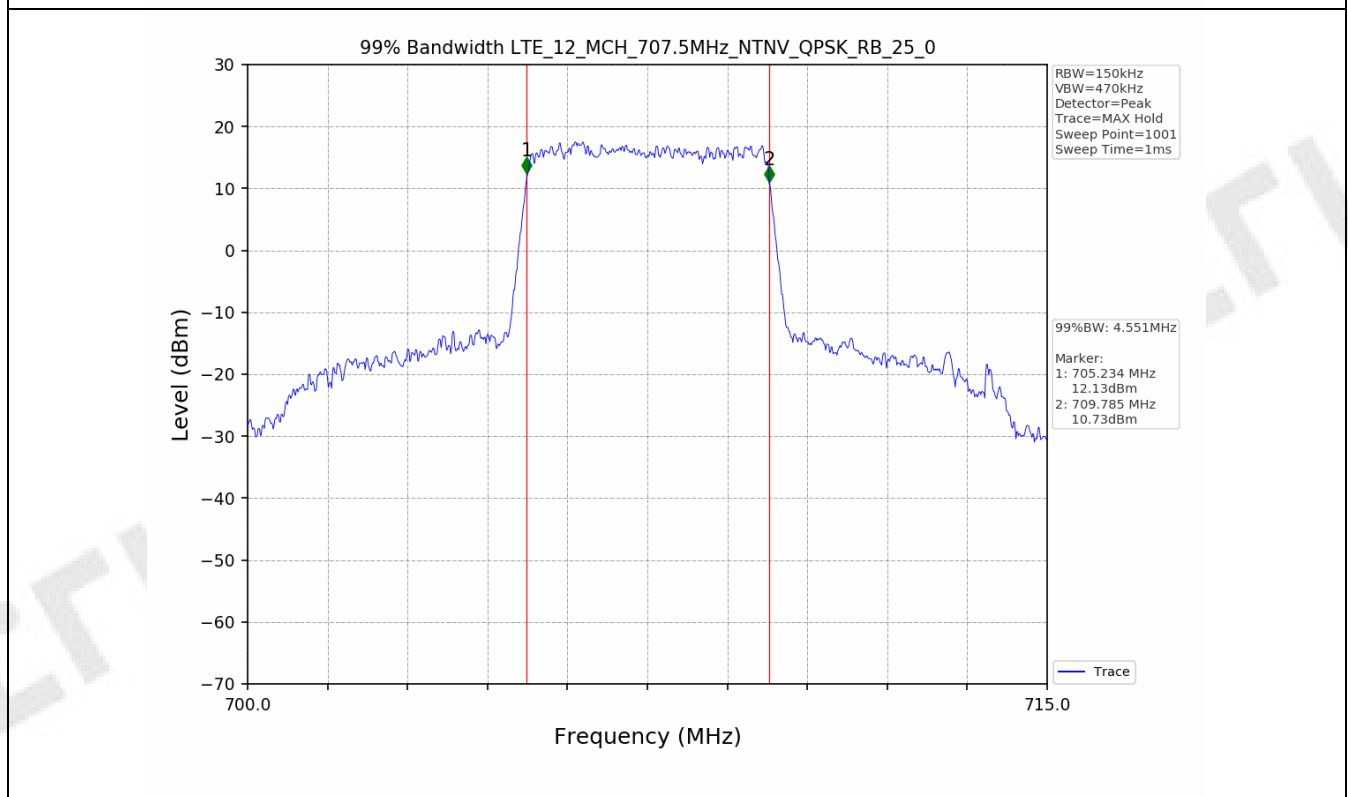
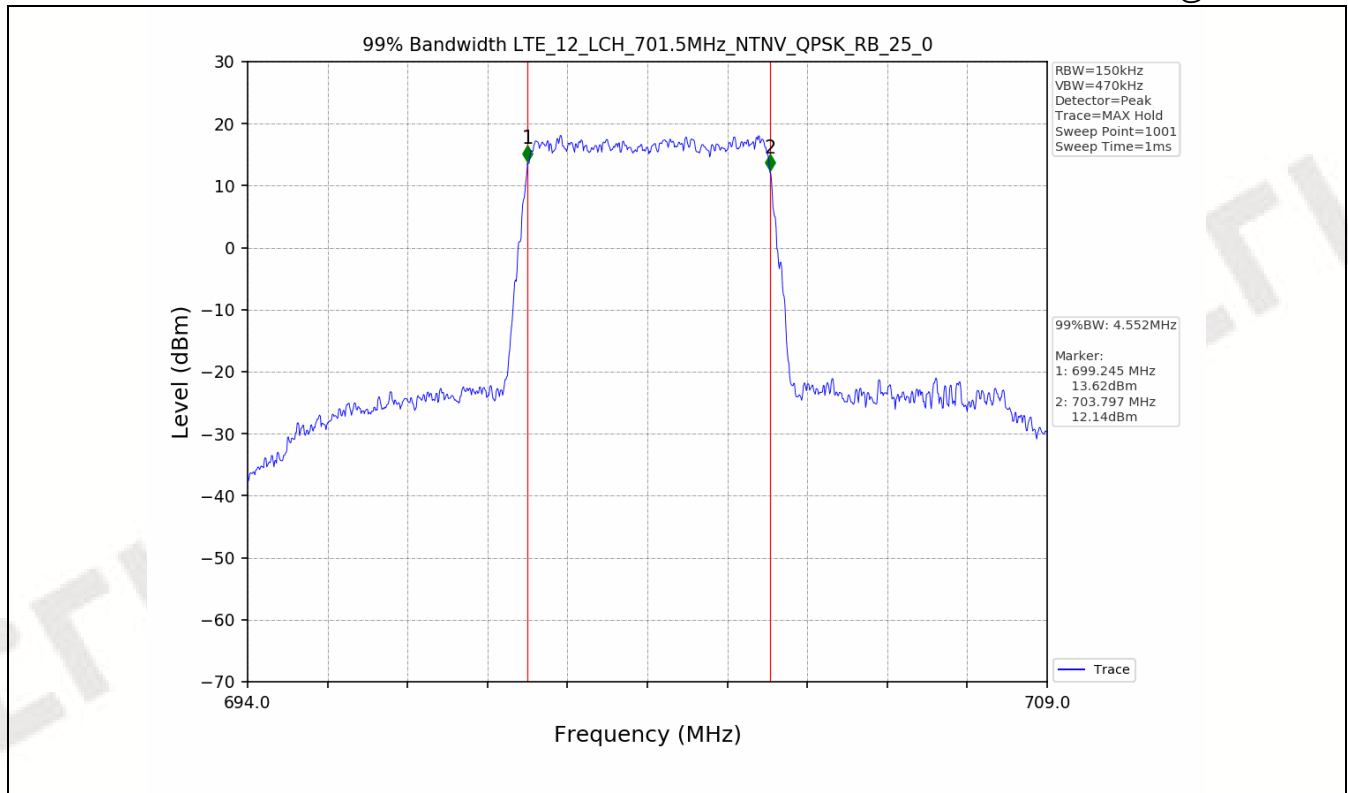
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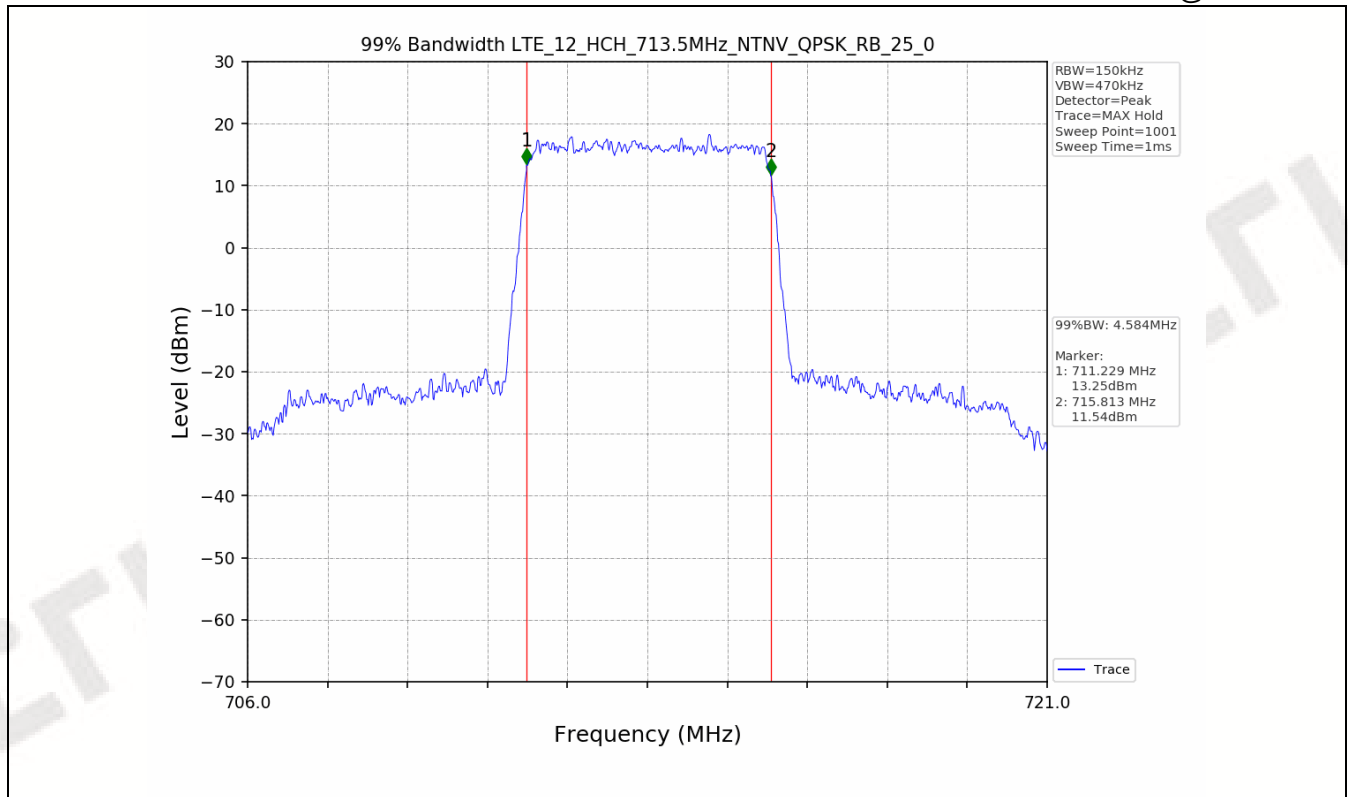
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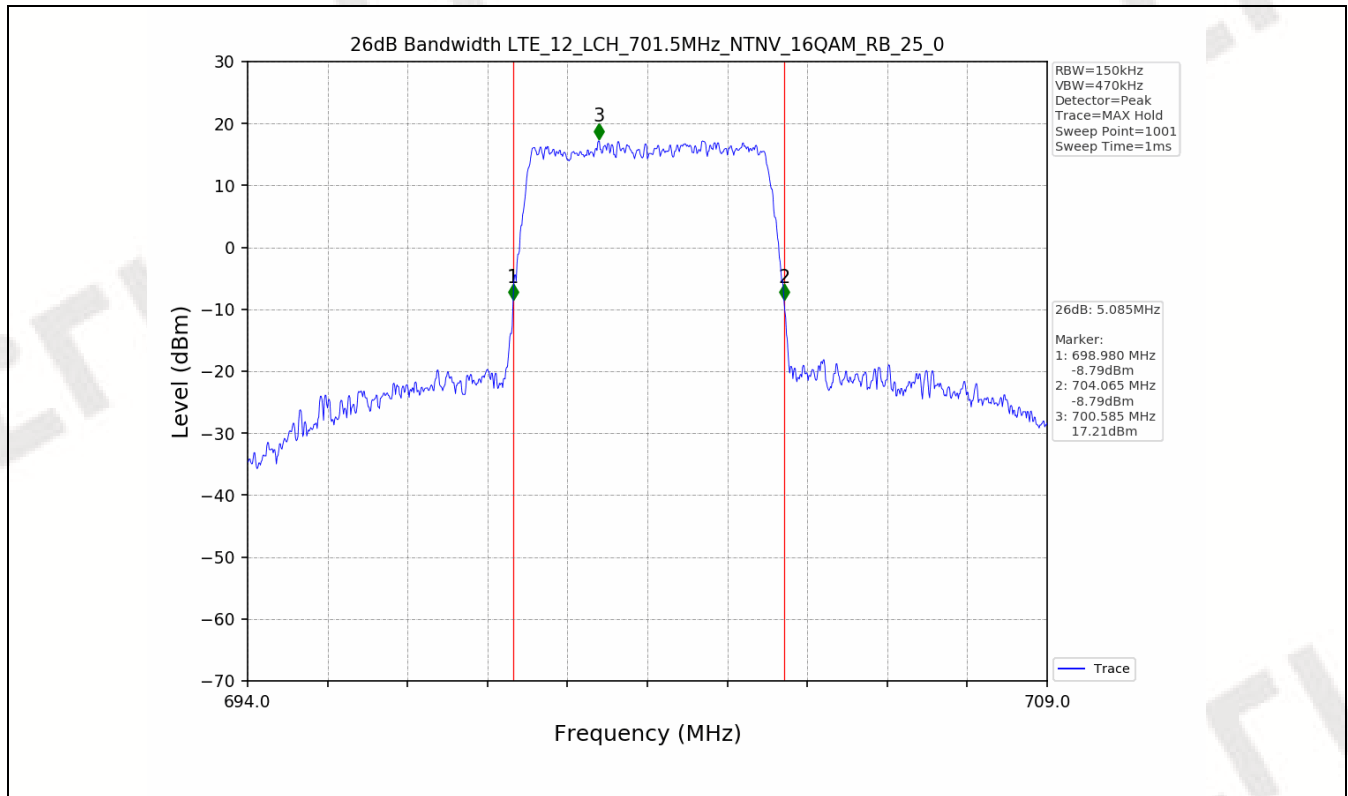


Shenzhen CTL Testing Technology Co., Ltd.

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Test Band: 12_5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.073	5.080	5.079	N/A	PASS
16QAM	25	0	5.085	5.067	5.059	N/A	PASS

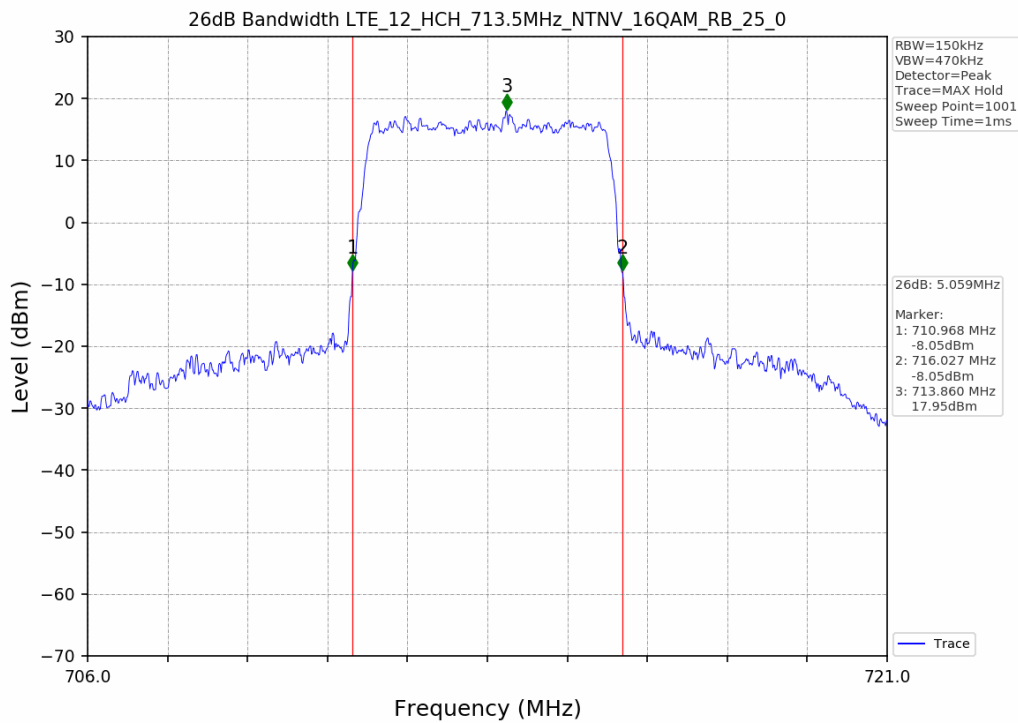
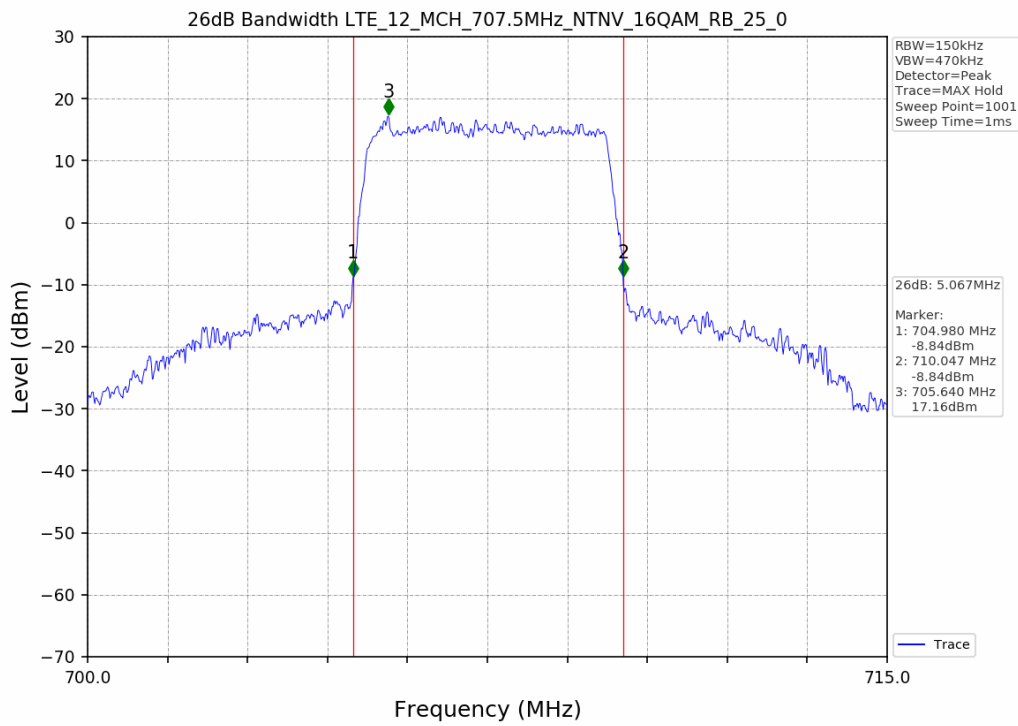
4.2 Test Graph





Shenzhen CTL Testing Technology Co., Ltd.

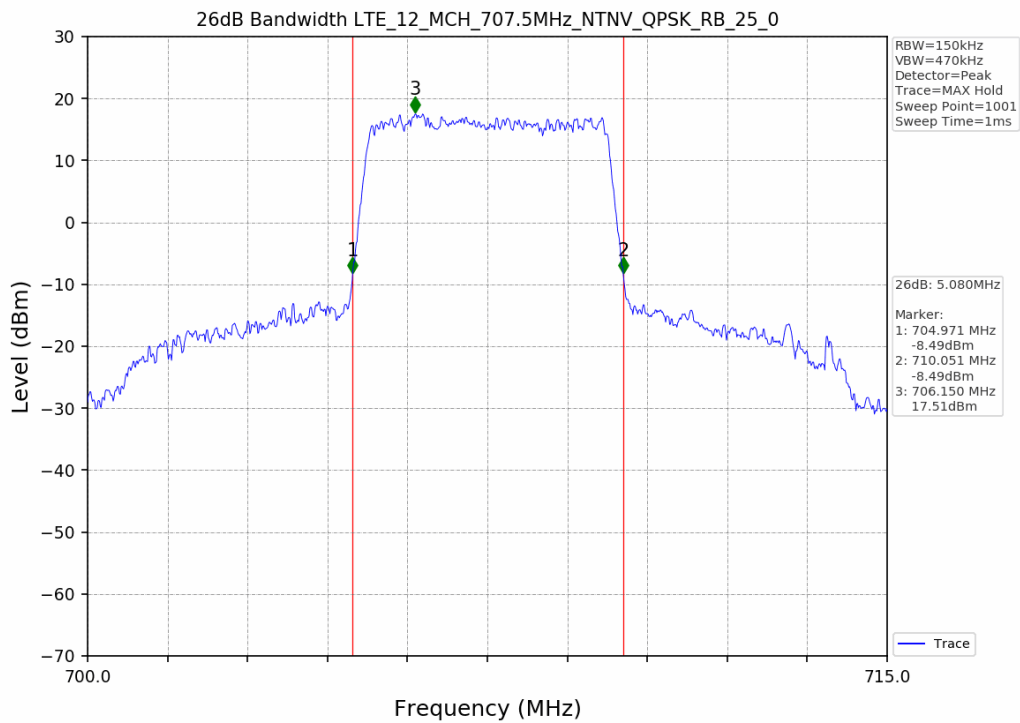
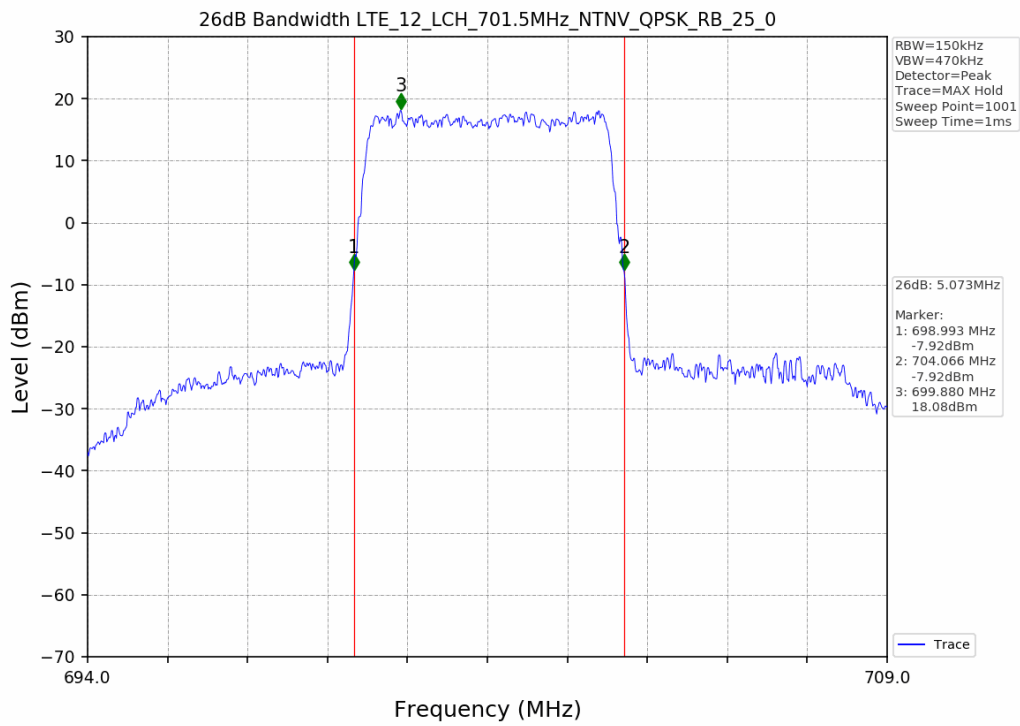
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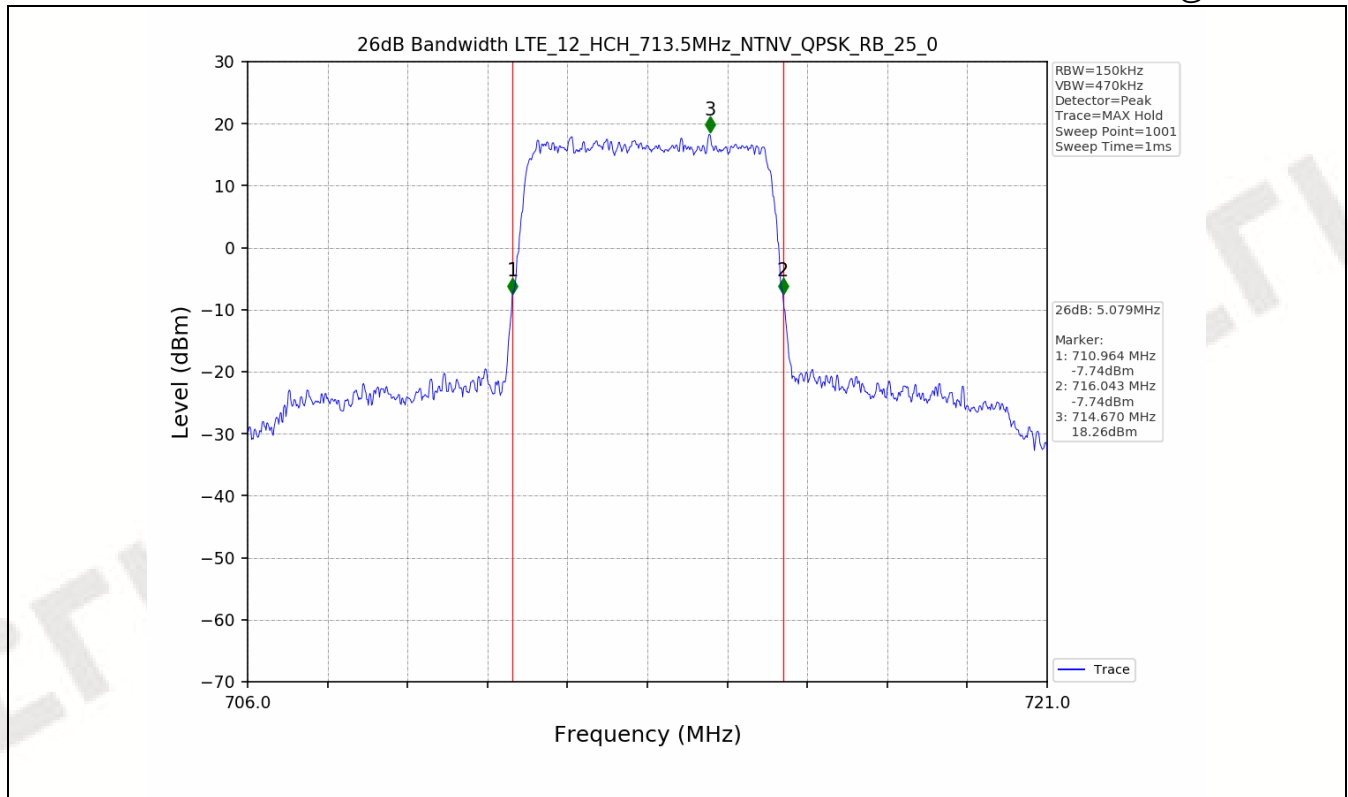
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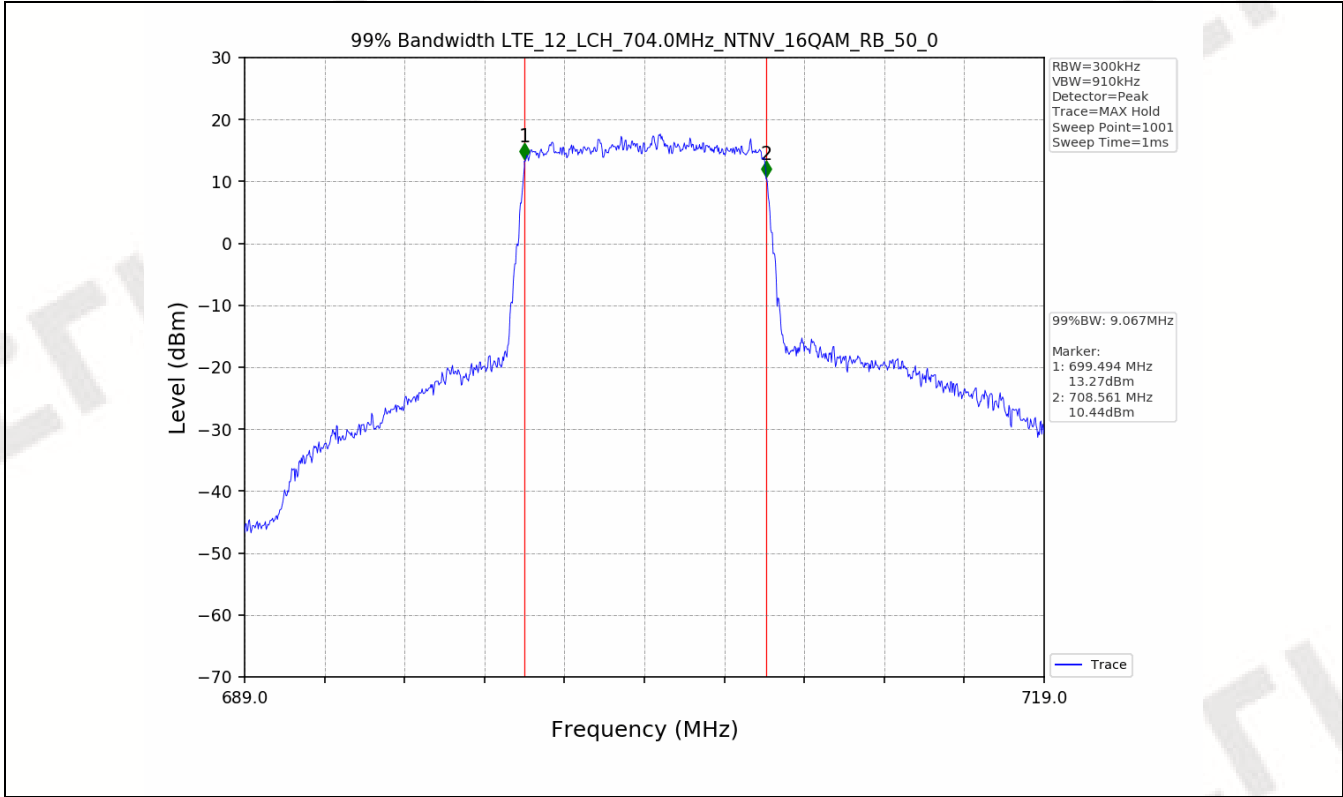


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Test Band: 12_10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.044	9.046	9.052	N/A	PASS
16QAM	50	0	9.067	9.039	9.101	N/A	PASS

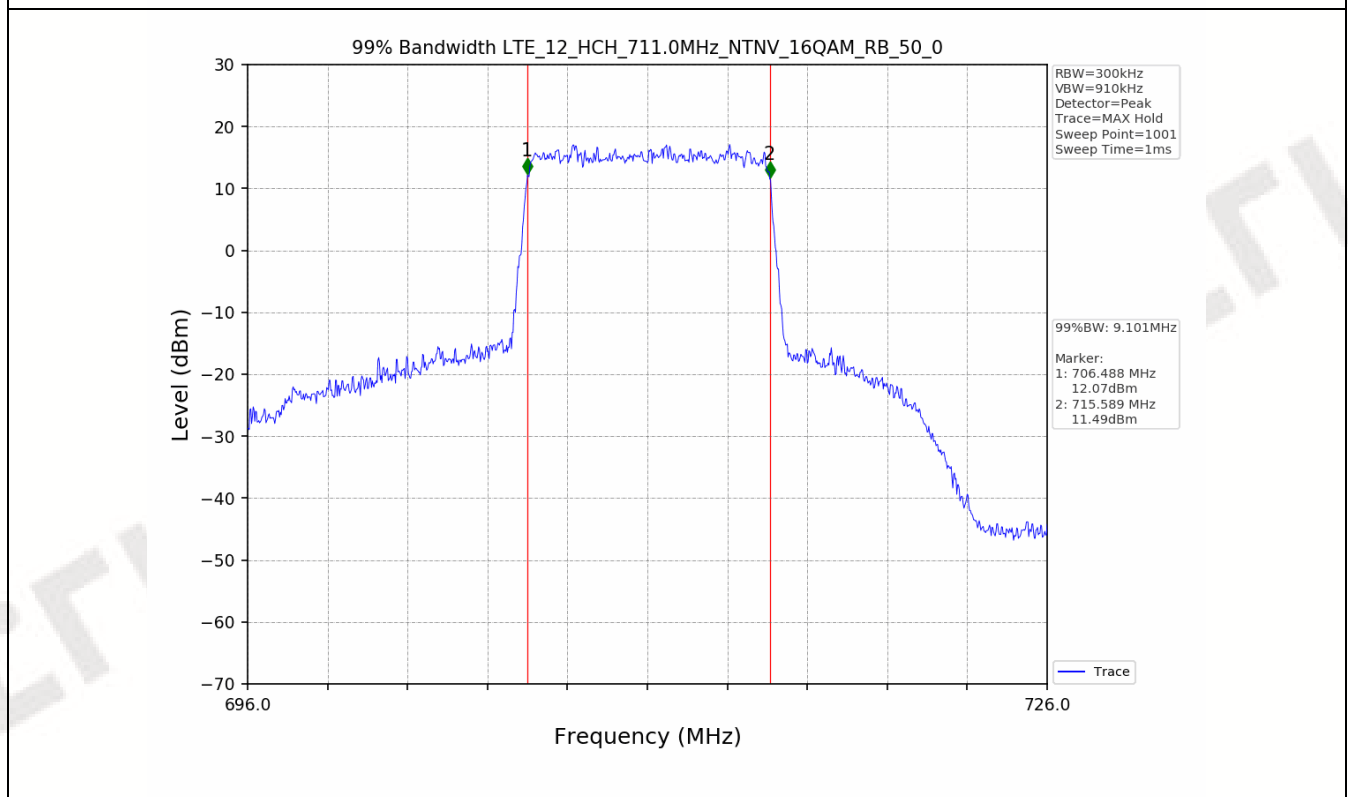
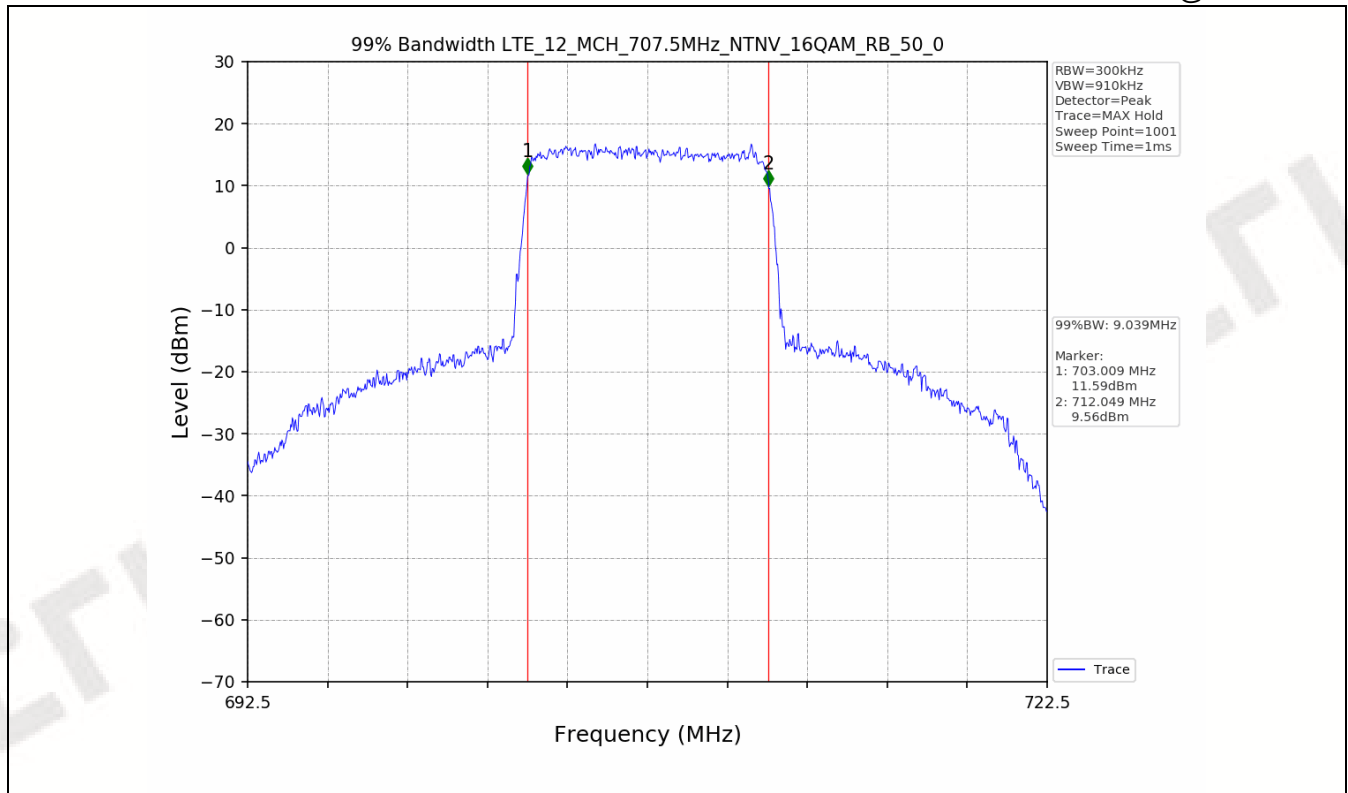
4.2 Test Graph





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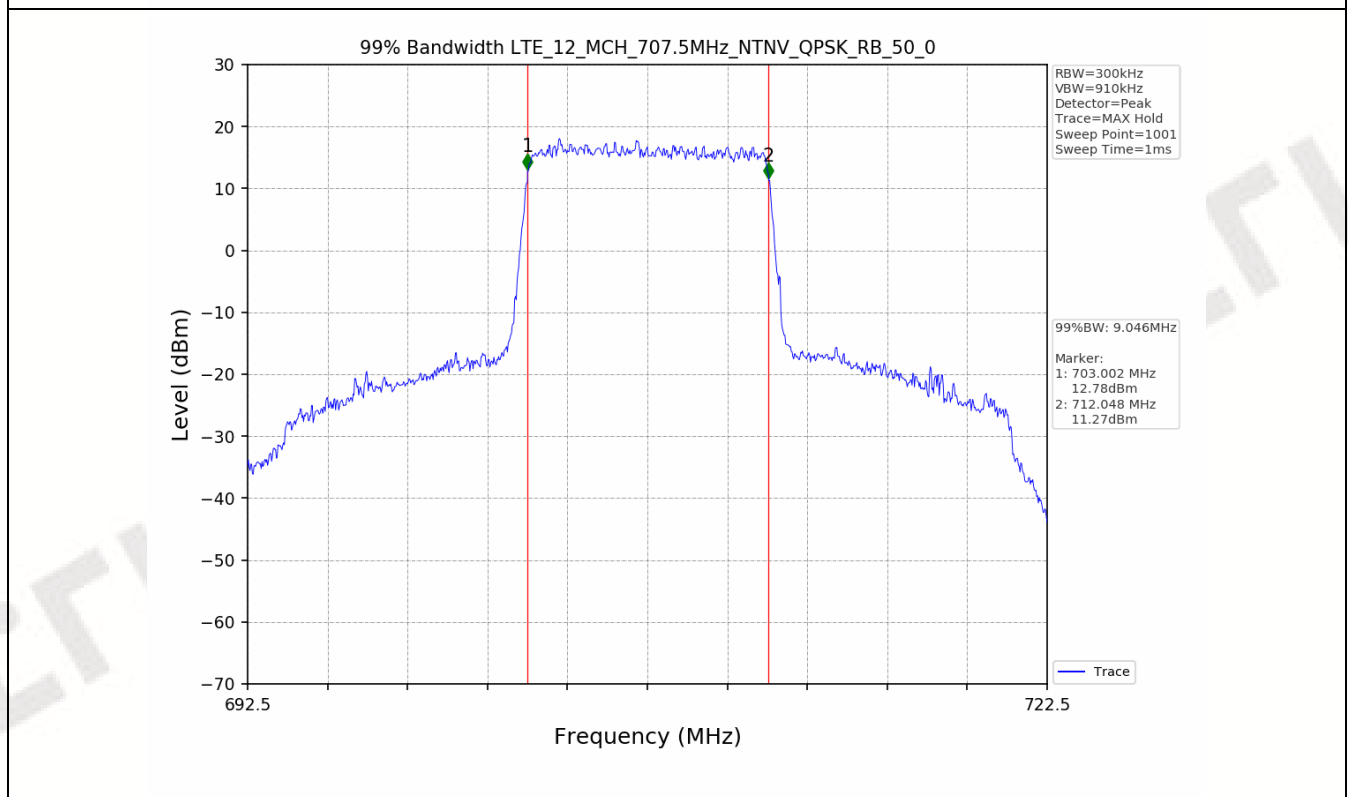
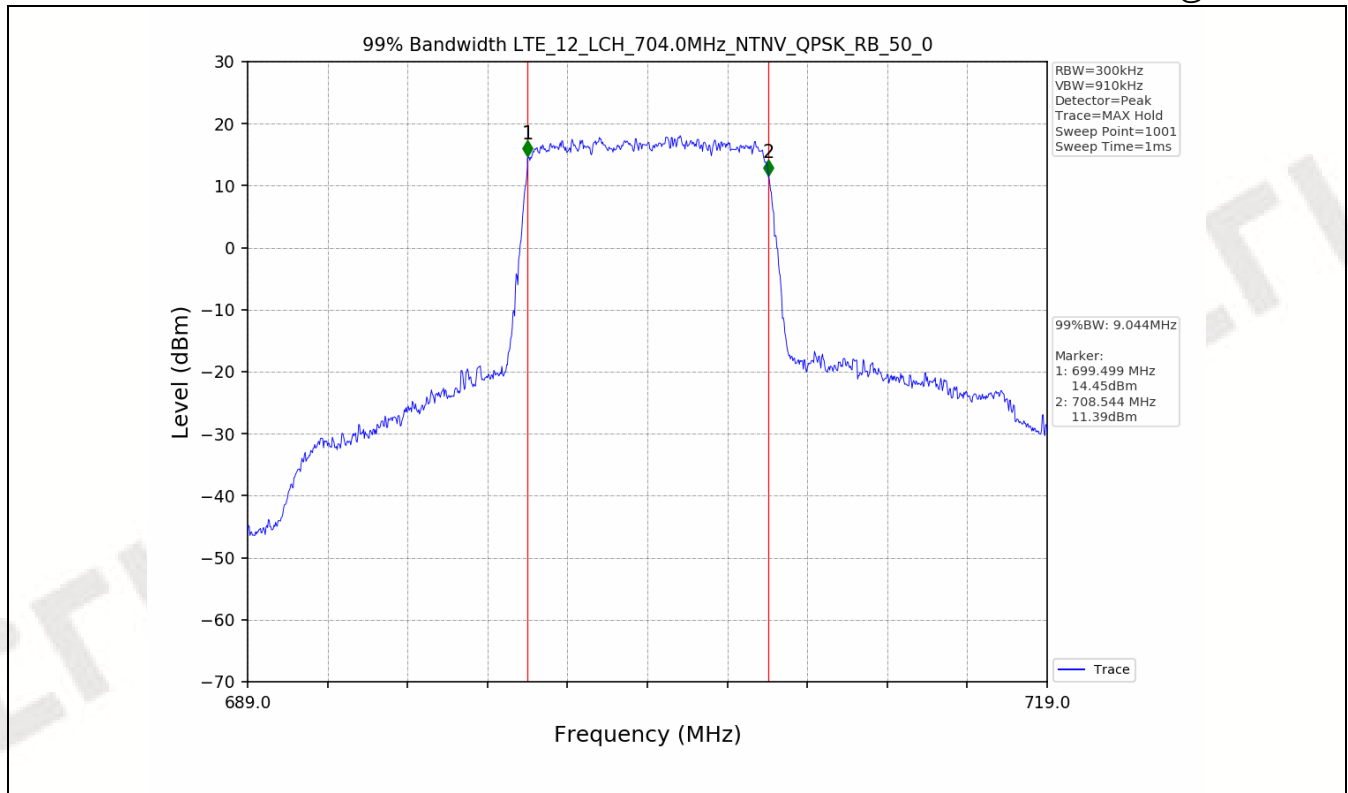
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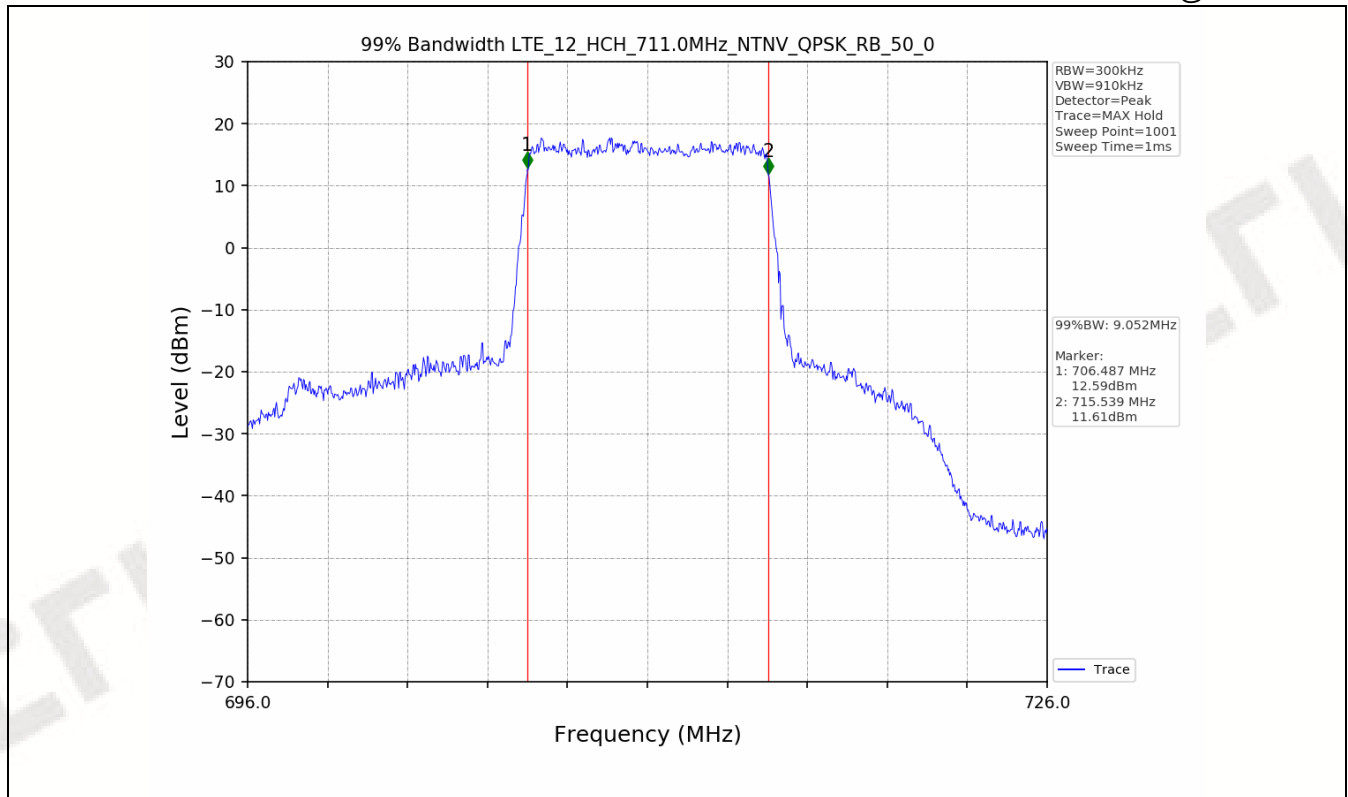
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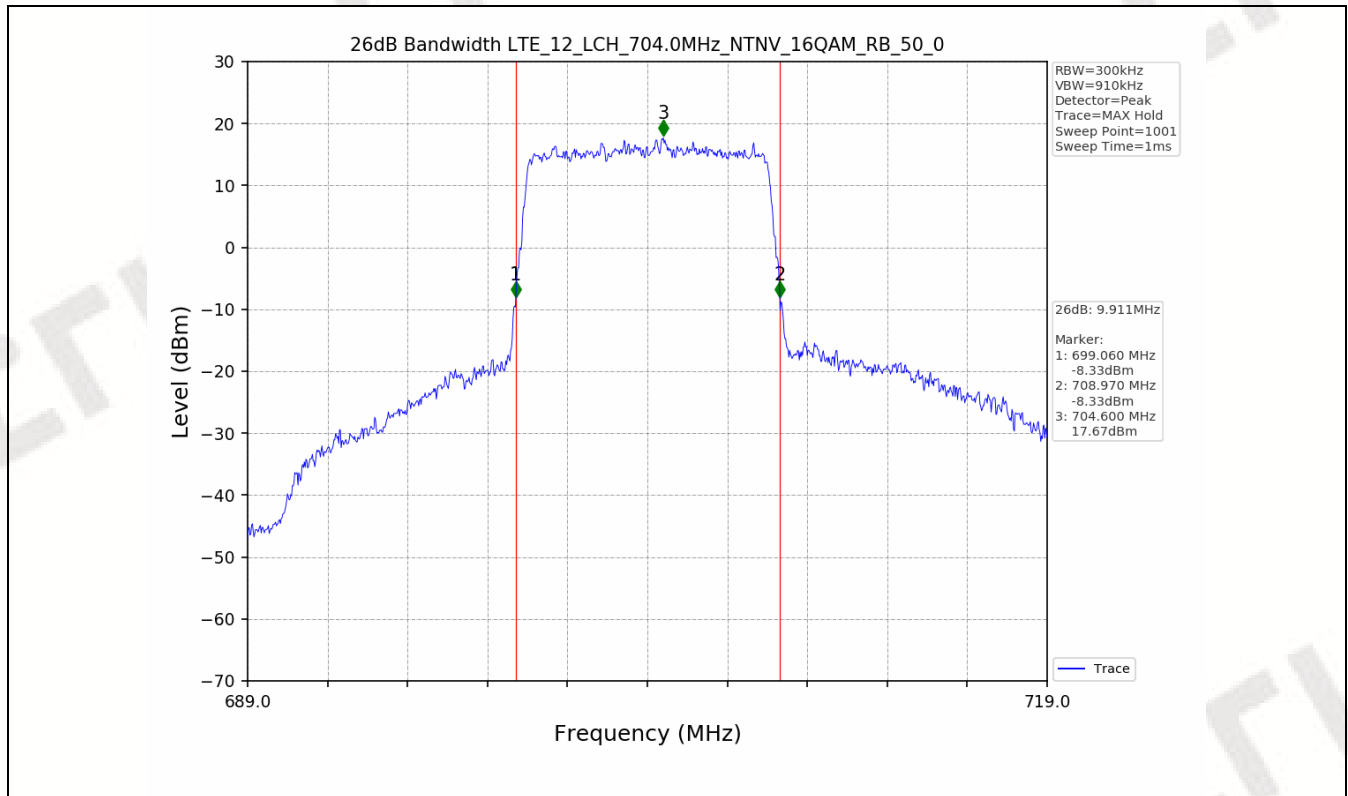


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Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

Test Band: 12_10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	10.002	9.983	9.978	N/A	PASS
16QAM	50	0	9.911	9.914	9.954	N/A	PASS

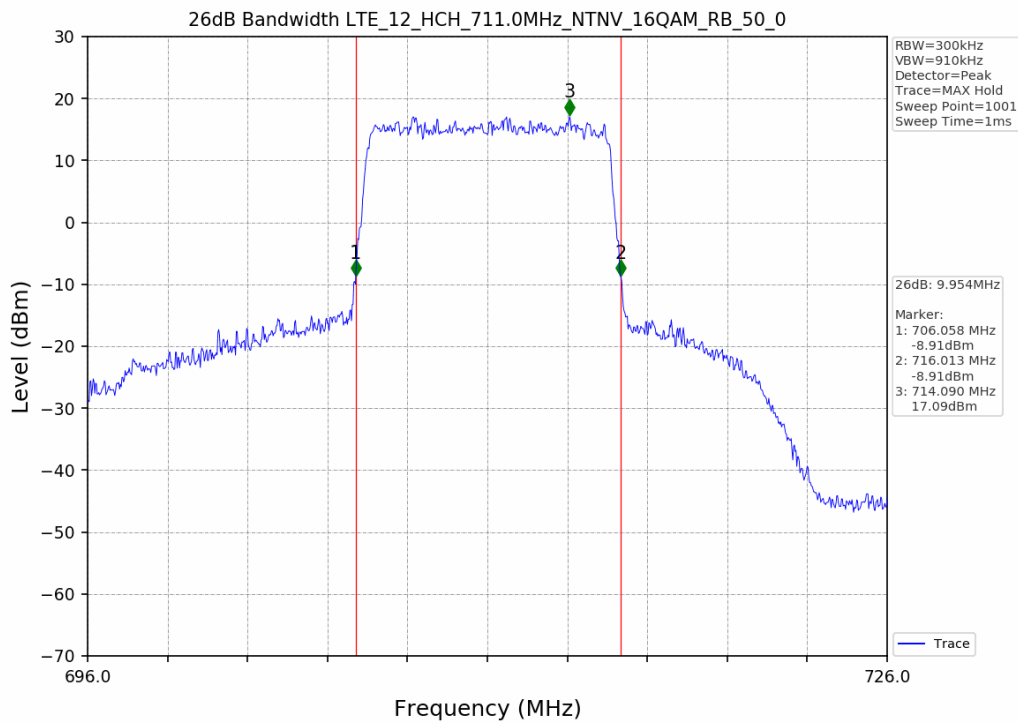
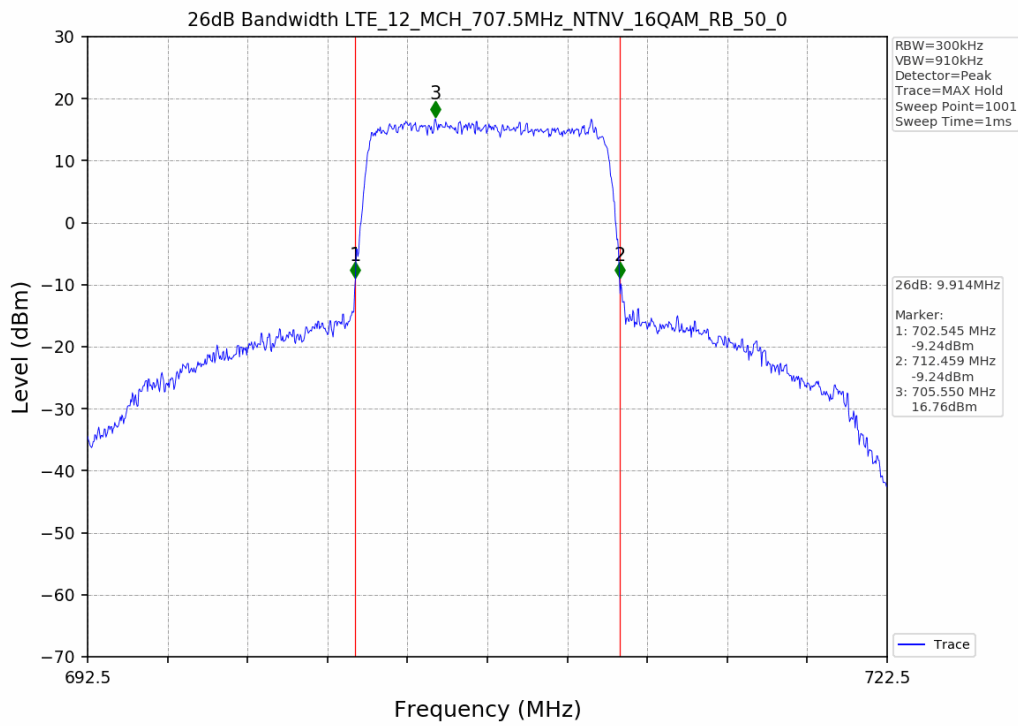
4.2 Test Graph





Shenzhen CTL Testing Technology Co., Ltd.

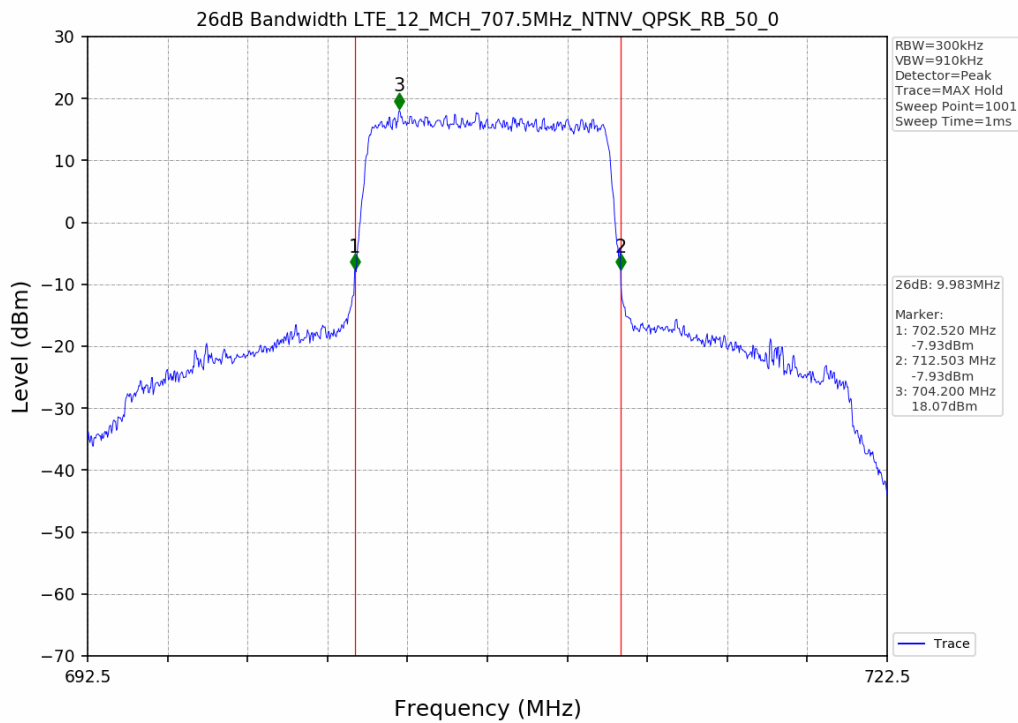
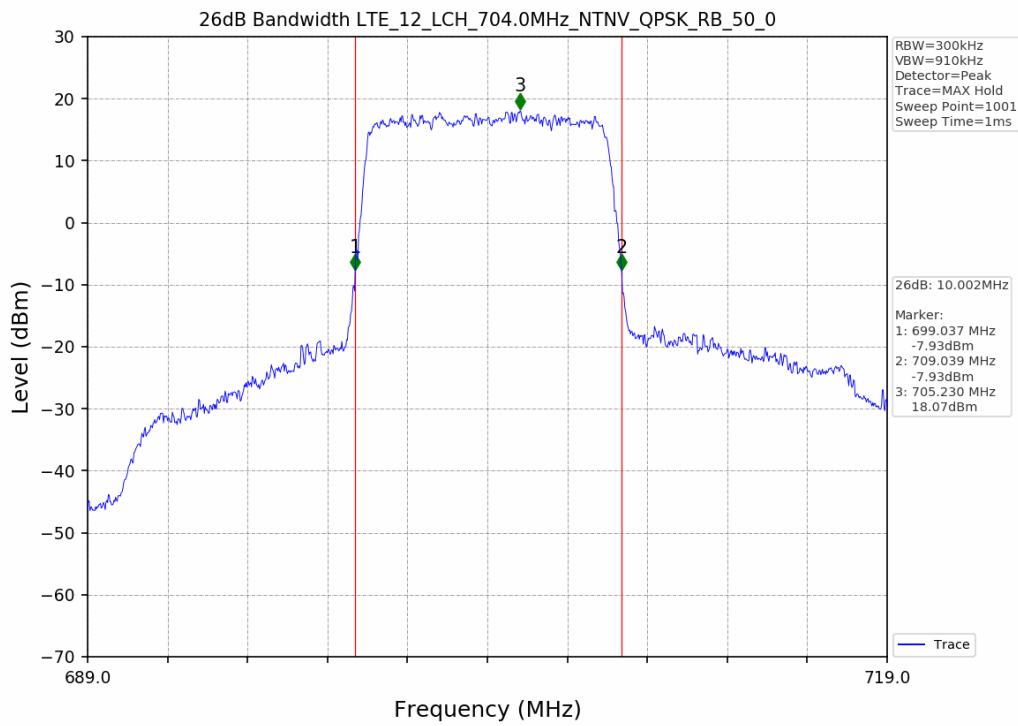
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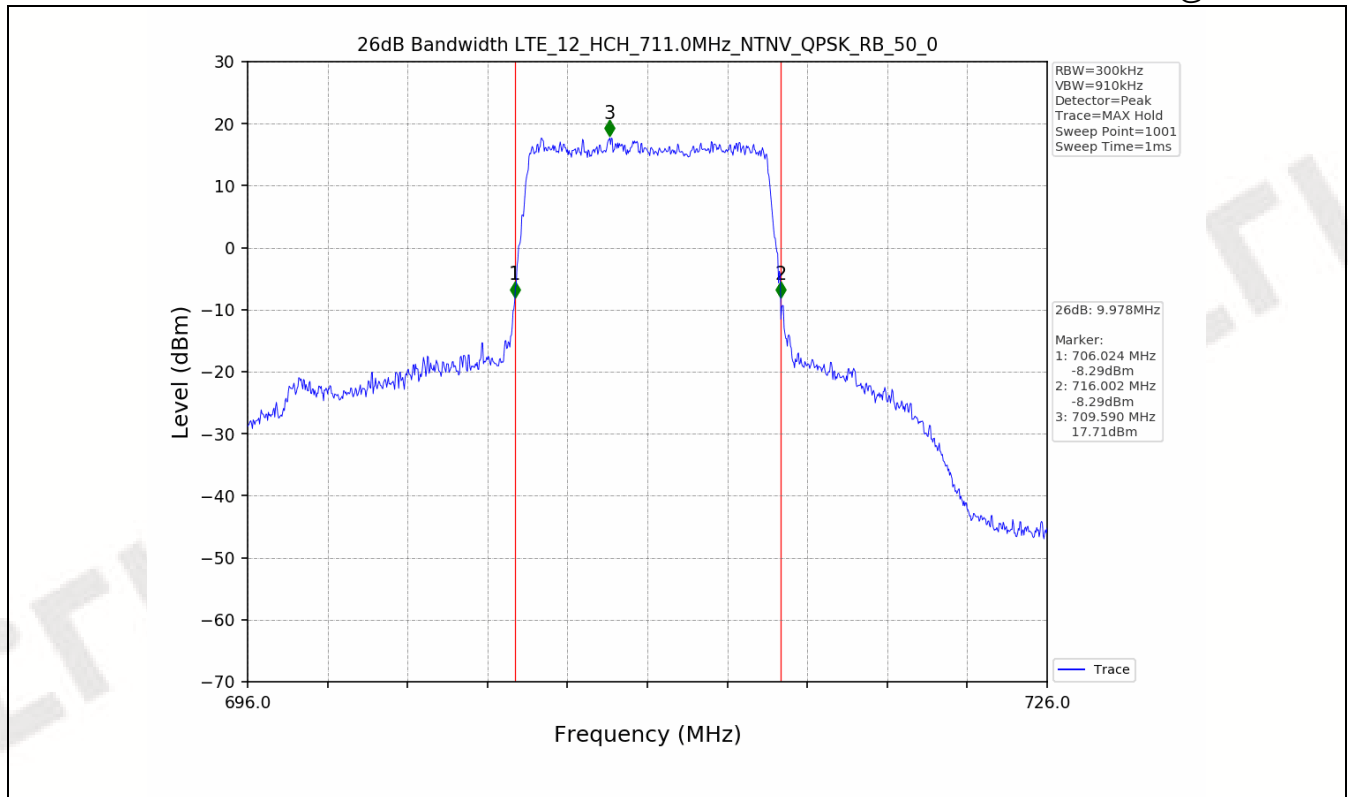
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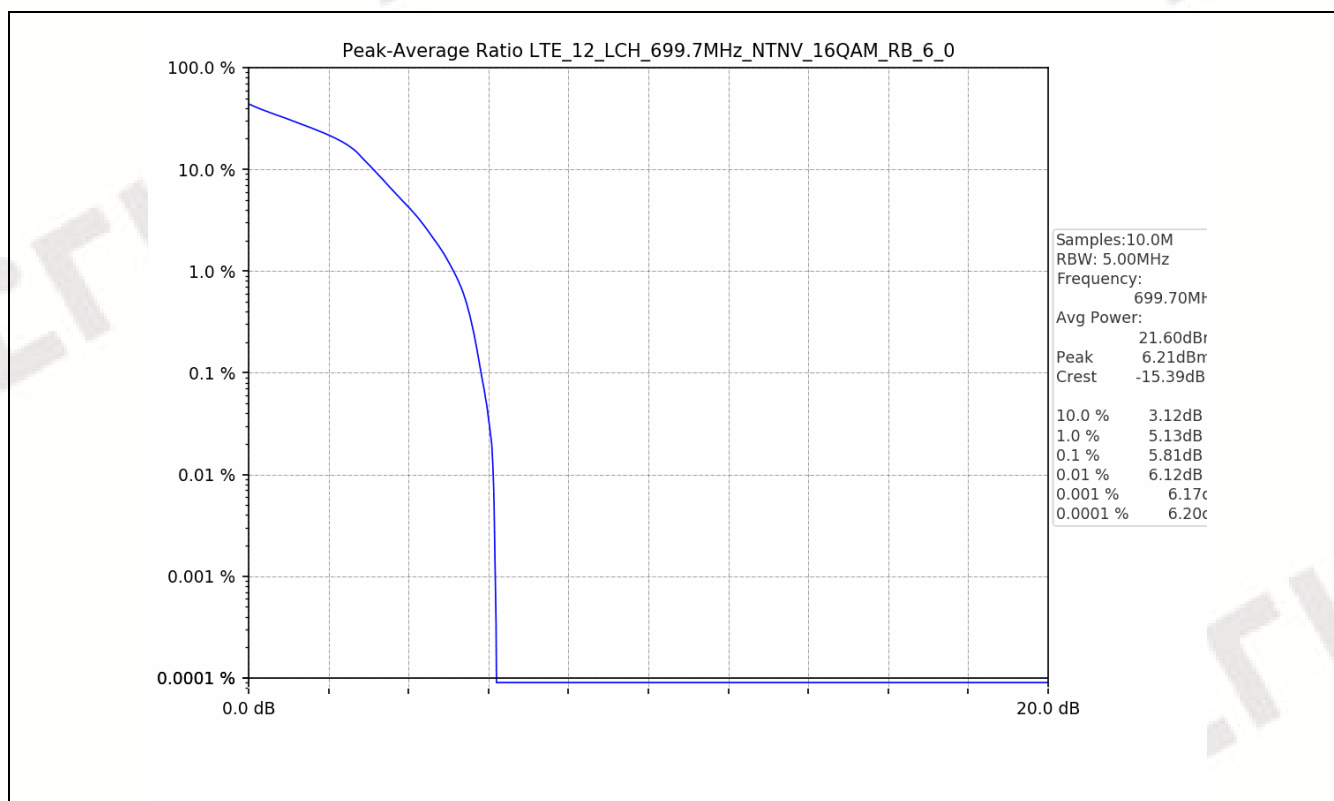
Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

5. Peak-Average Ratio

5.1 Test Result

Test Band: 12 1.4MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	4.71	3.42	3.90	13	PASS
16QAM	6	0	5.81	4.41	4.93	13	PASS

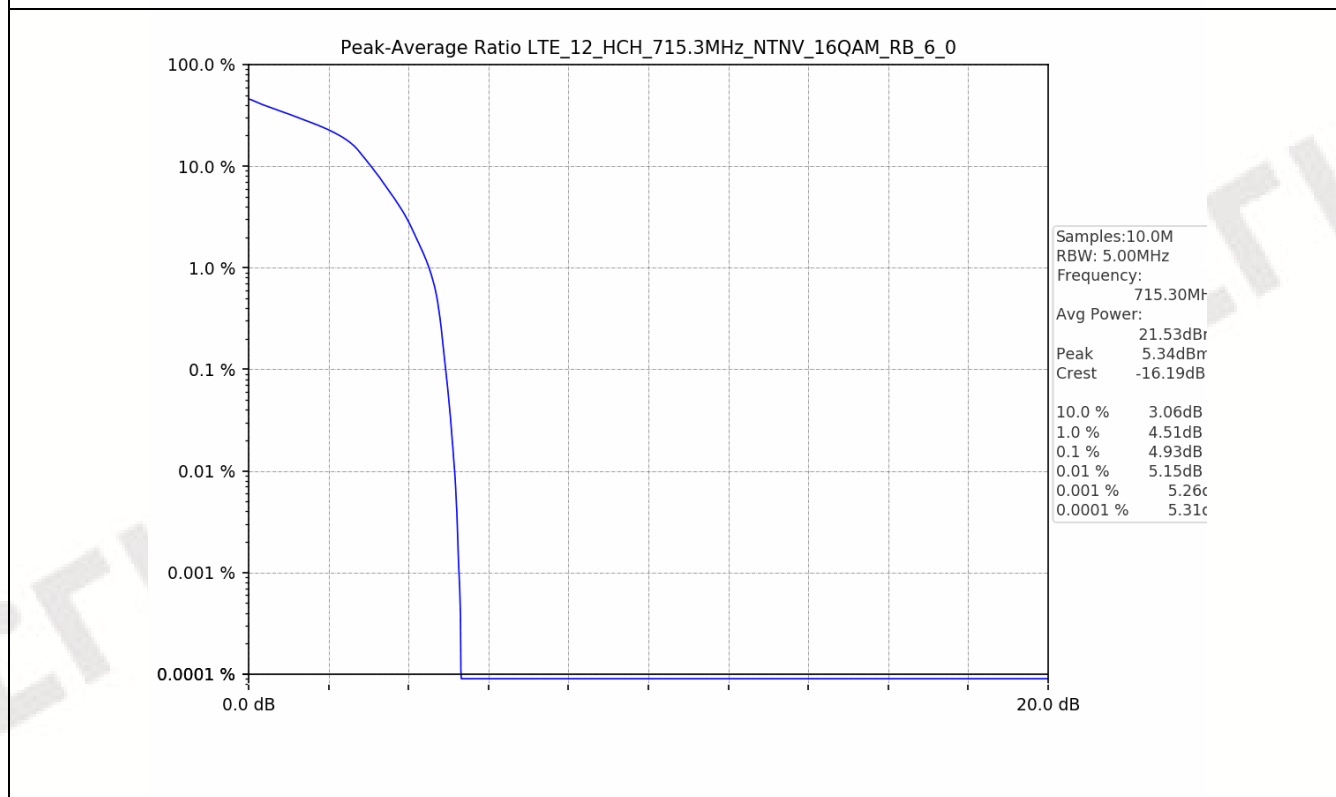
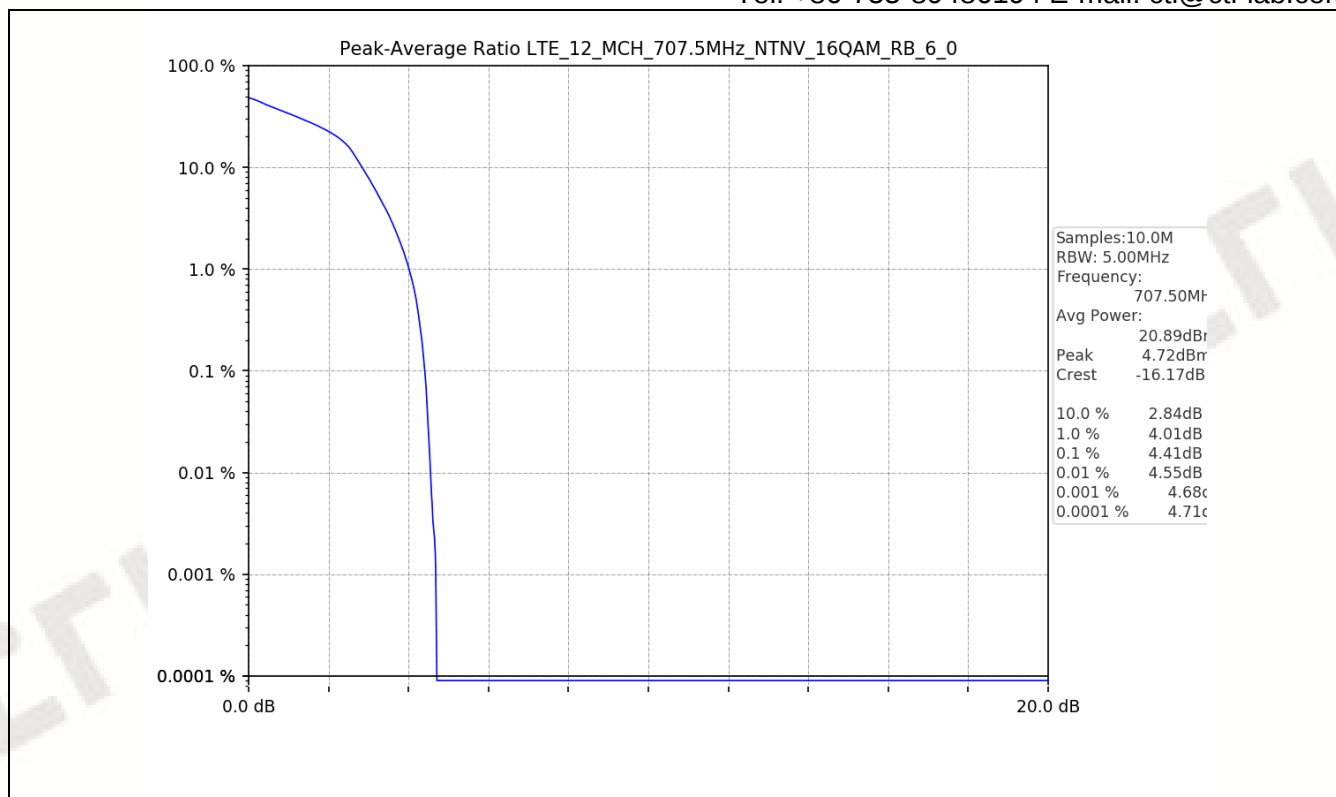
5.2 Test Graph





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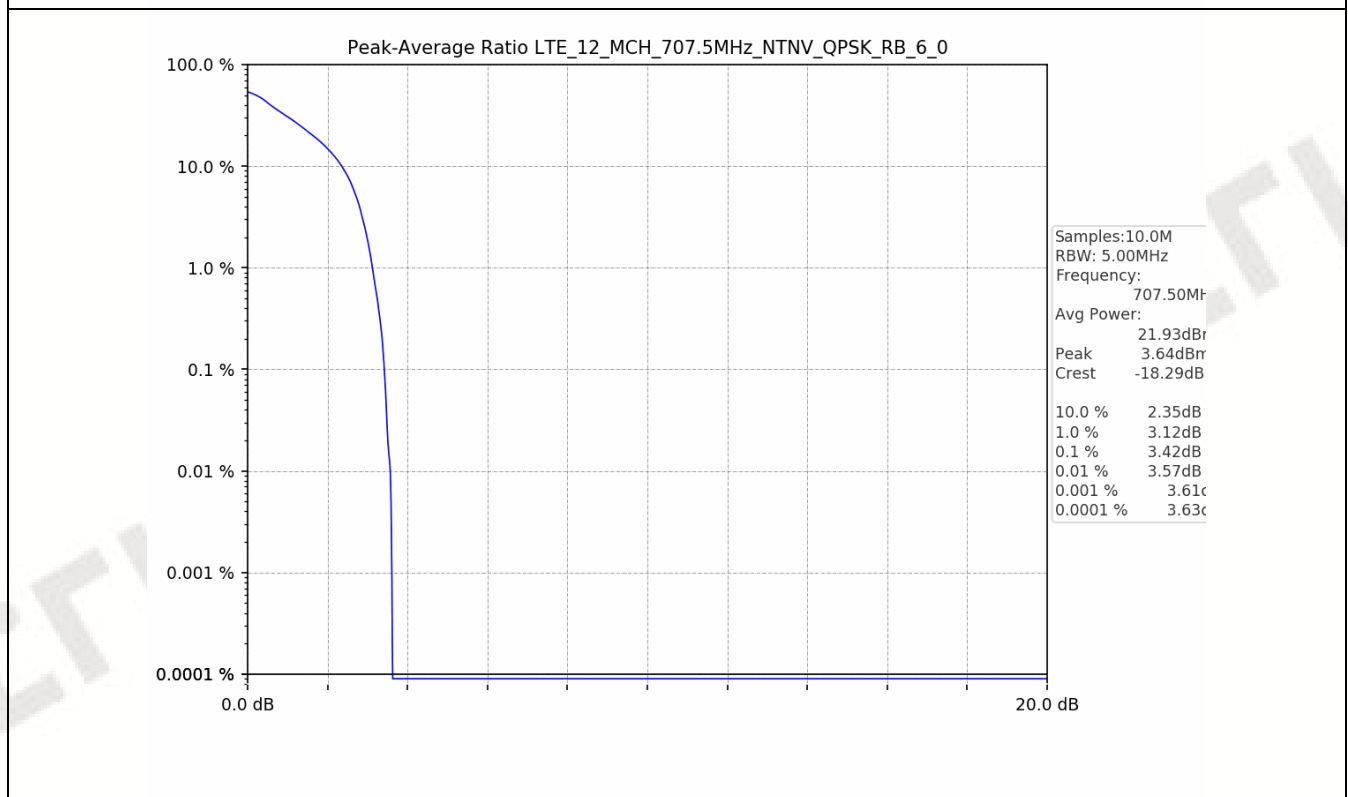
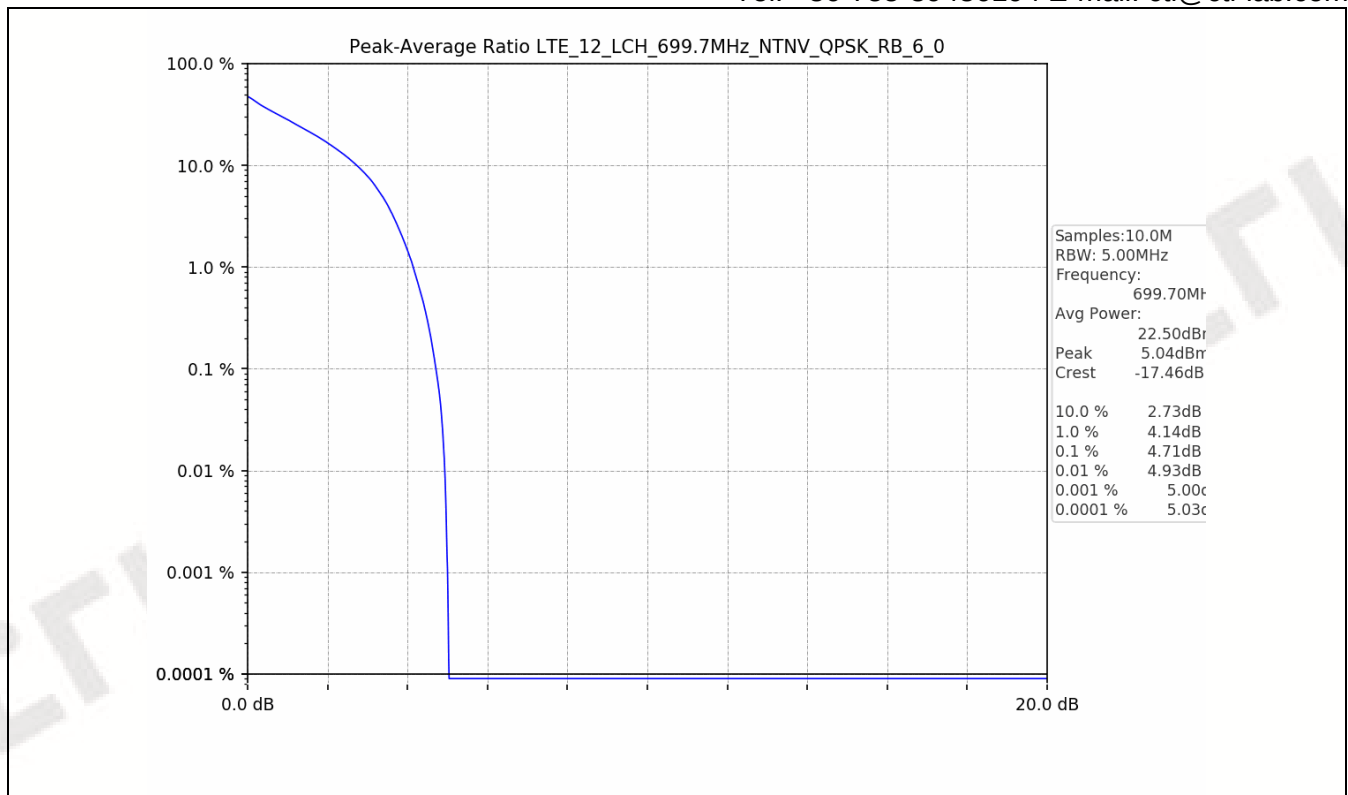
Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com





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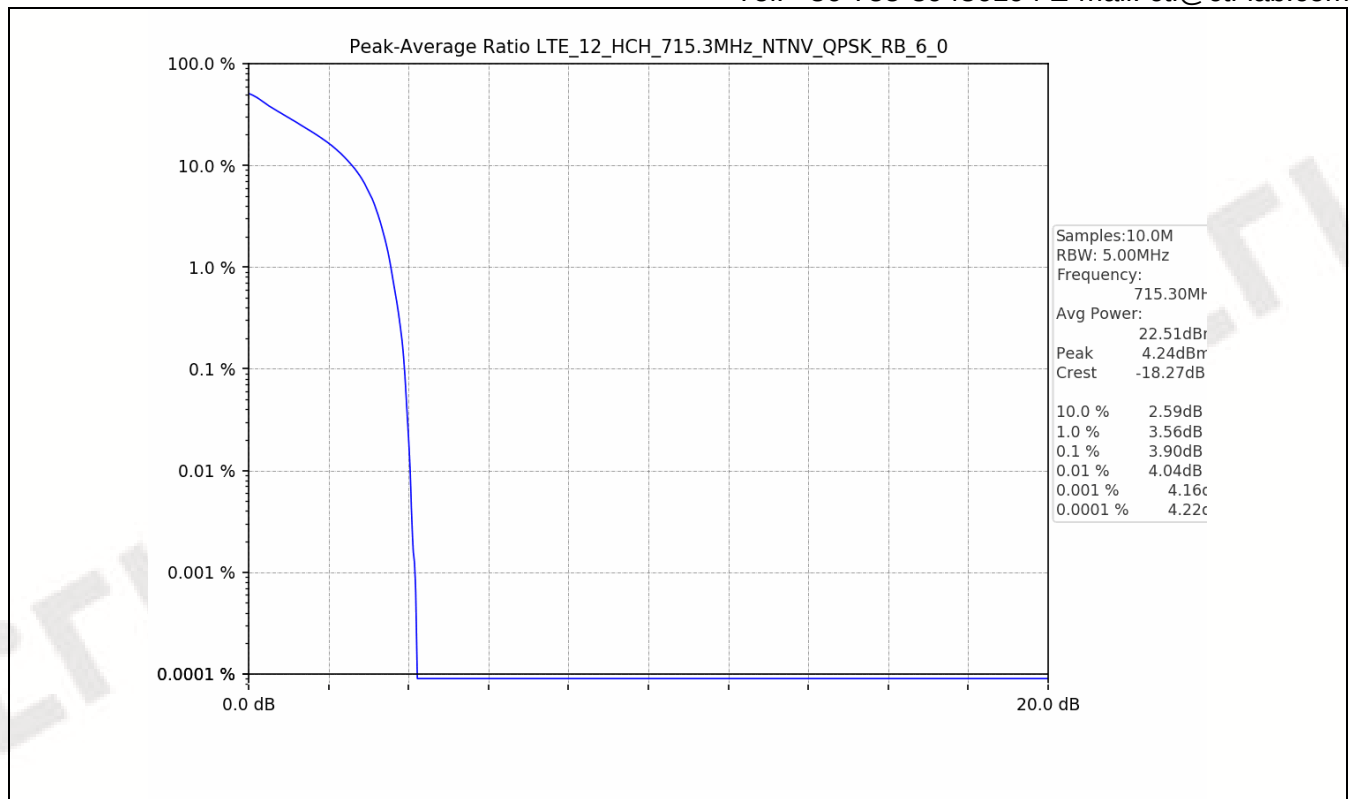
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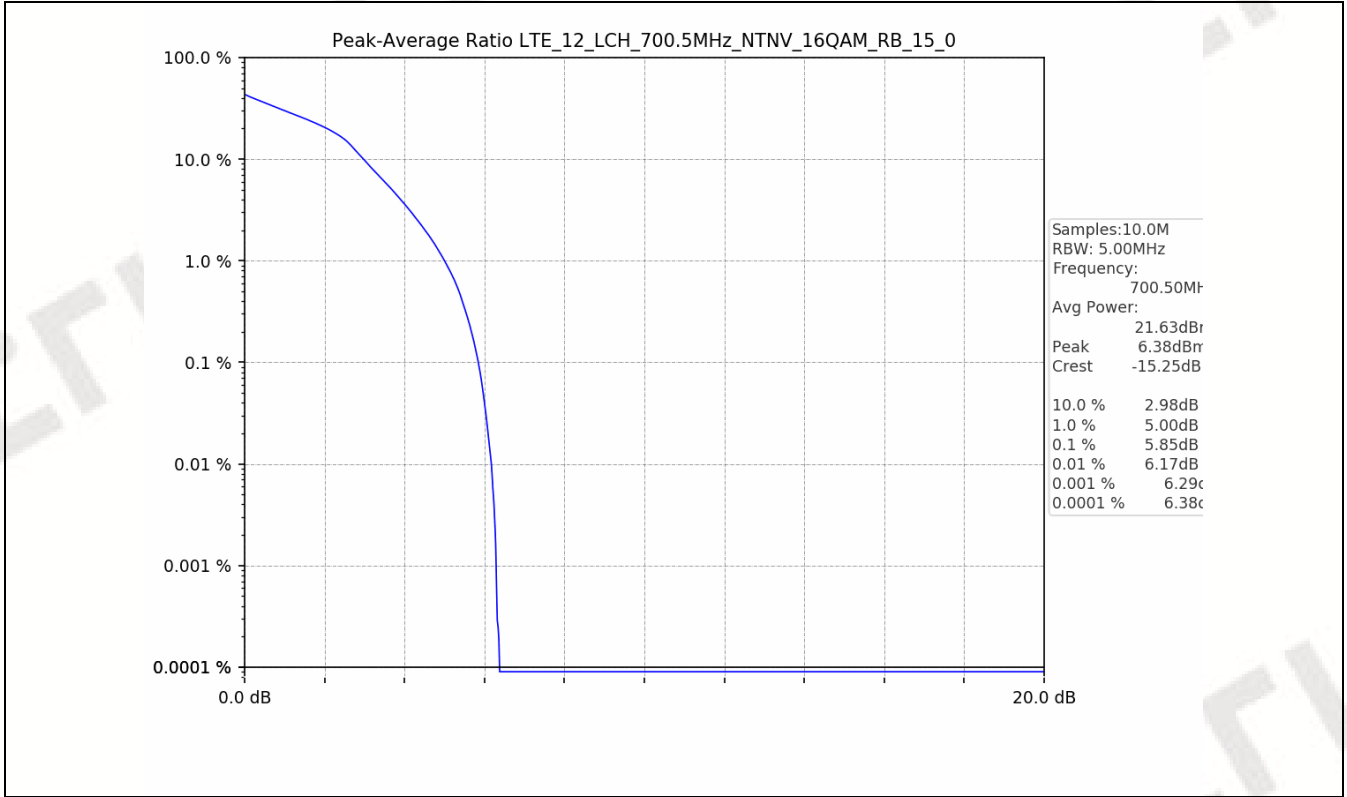


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Test Band: 12_3MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	4.61	3.67	4.29	13	PASS
16QAM	15	0	5.85	4.77	5.43	13	PASS

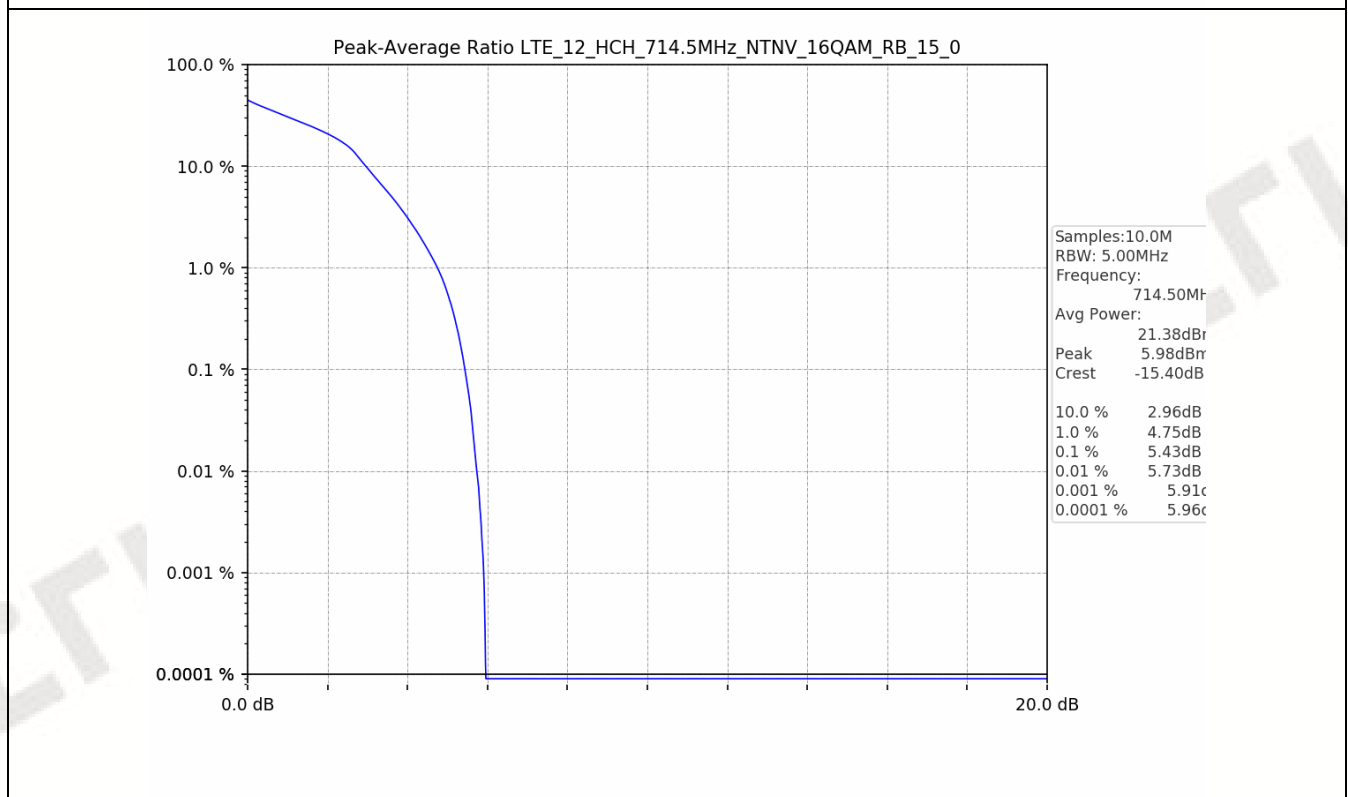
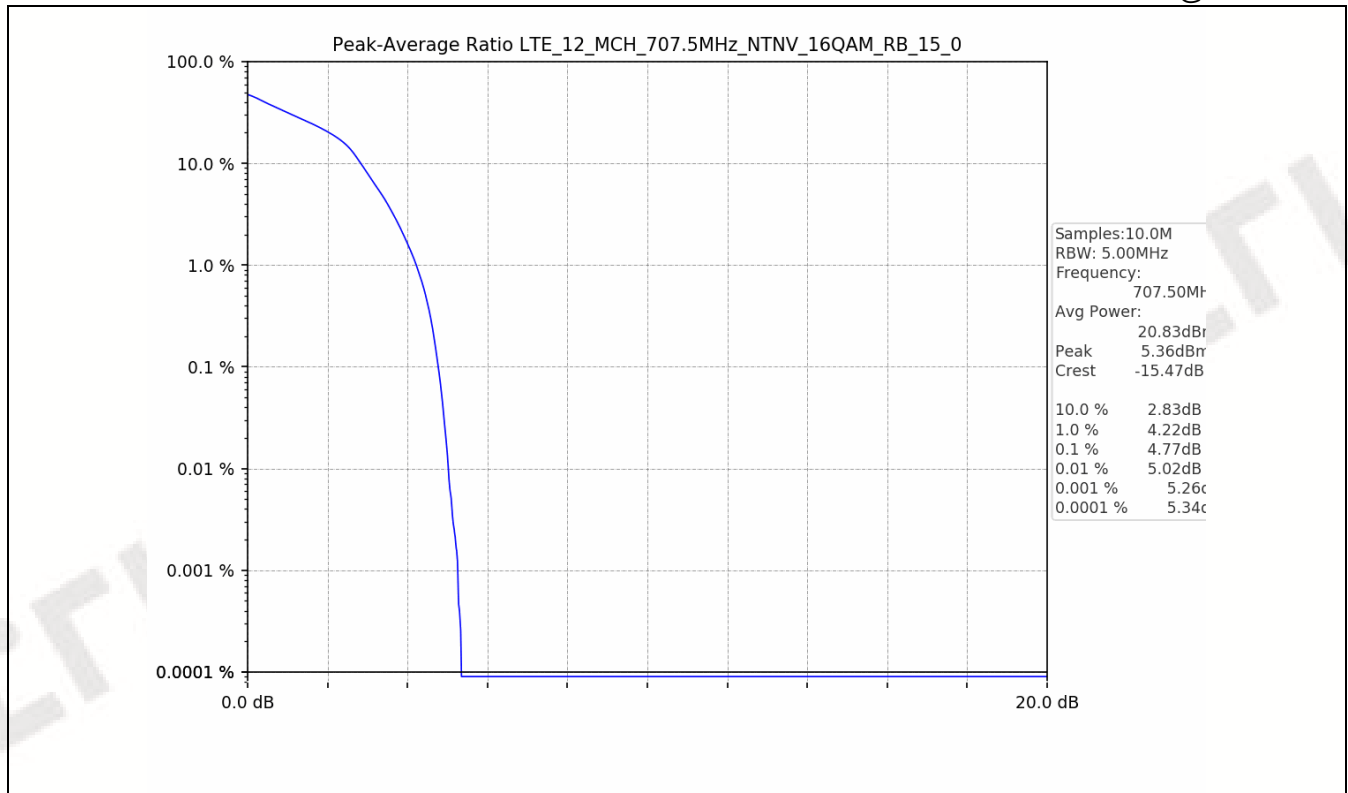
5.2 Test Graph





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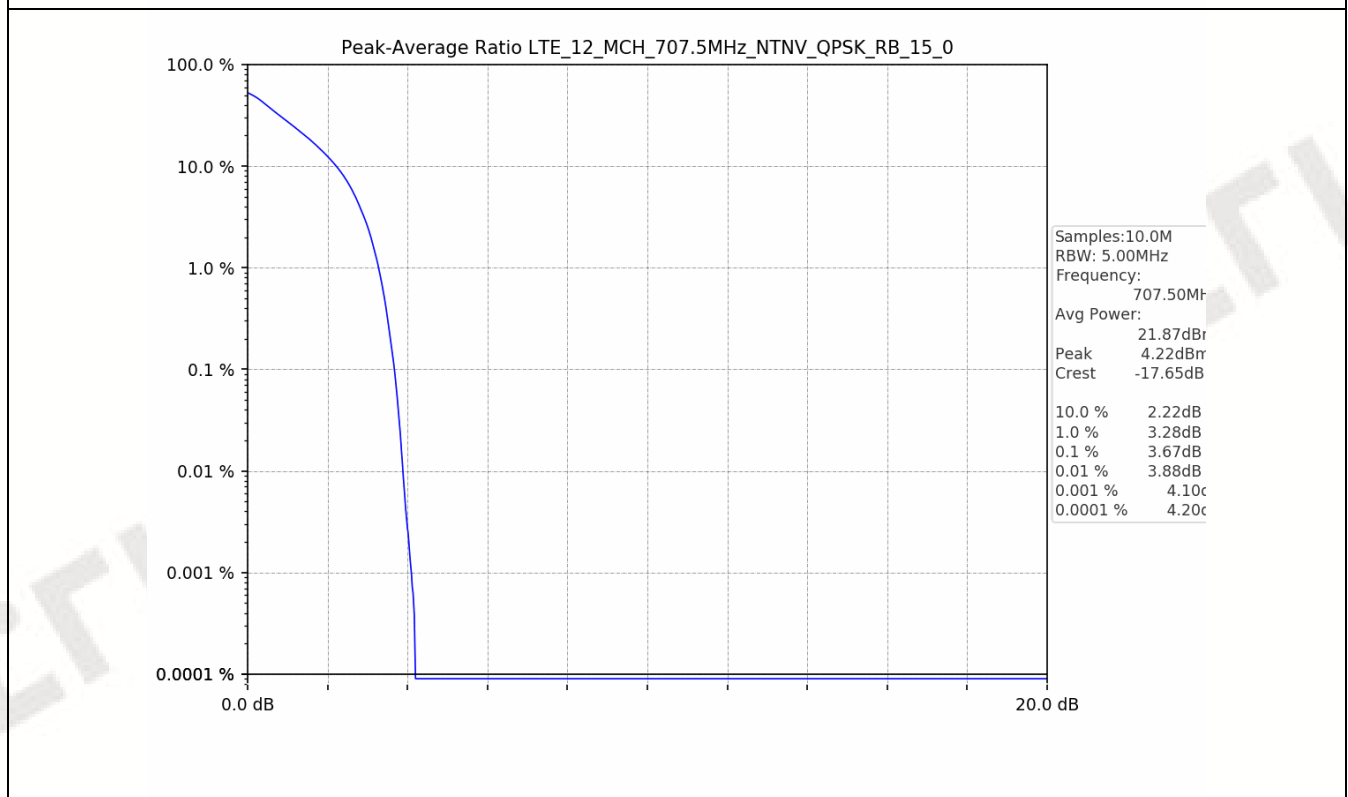
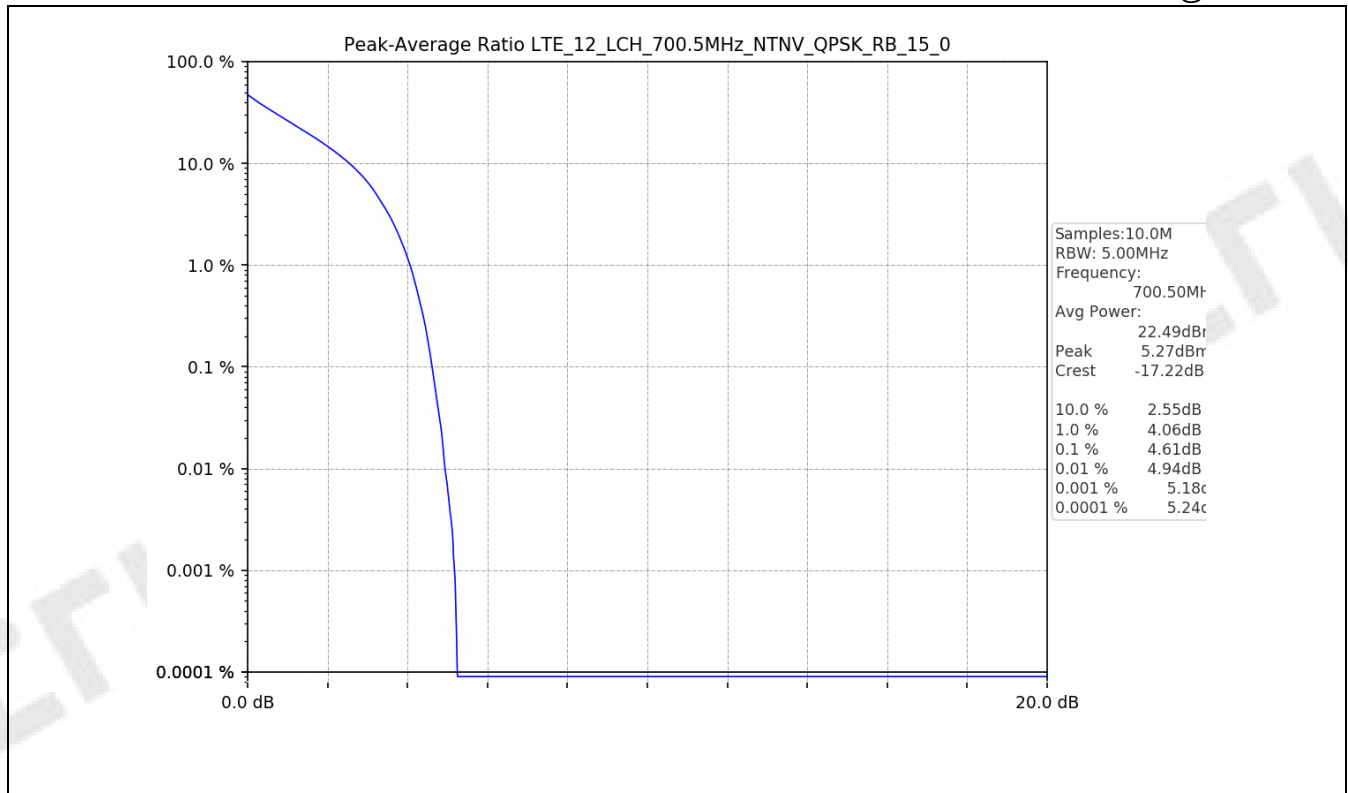
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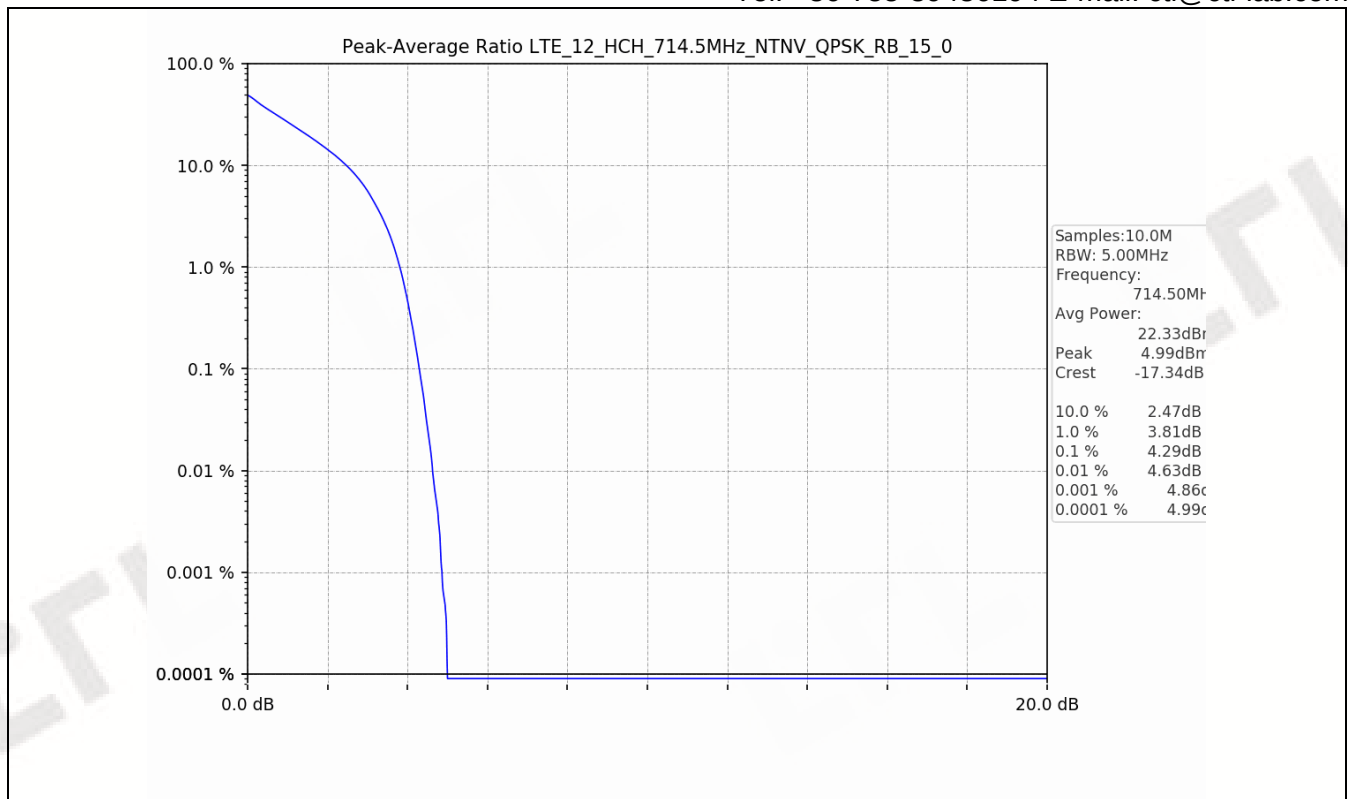
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Test Band: 12_5MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.74	4.25	4.64	13	PASS
16QAM	25	0	5.83	5.25	5.64	13	PASS

5.2 Test Graph

