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Appendix Q

Product Name: Siyata SD7

Model: SD7



1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: 71 5MHz 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	24.48	23.18	24.38	-2.50	-0.35	21.98	20.68	21.88	34.77	PASS
		13	24.36	23.31	24.44	-2.50	-0.35	21.86	20.81	21.94	34.77	PASS
		24	24.13	23.40	24.18	-2.50	-0.35	21.63	20.90	21.68	34.77	PASS
	12	0	23.41	22.17	23.31	-2.50	-0.35	20.91	19.67	20.81	34.77	PASS
		6	23.43	22.24	23.31	-2.50	-0.35	20.93	19.74	20.81	34.77	PASS
		13	23.24	22.33	23.31	-2.50	-0.35	20.74	19.83	20.81	34.77	PASS
16QAM	25	0	23.37	22.25	23.27	-2.50	-0.35	20.87	19.75	20.77	34.77	PASS
			23.56	22.41	23.23	-2.50	-0.35	21.06	19.91	20.73	34.77	PASS
			23.47	22.59	23.33	-2.50	-0.35	20.97	20.09	20.83	34.77	PASS
	1	13	23.28	22.69	23.07	-2.50	-0.35	20.78	20.19	20.57	34.77	PASS
		24	23.28	22.69	23.07	-2.50	-0.35	20.78	20.19	20.57	34.77	PASS
		0	22.45	21.27	22.34	-2.50	-0.35	19.95	18.77	19.84	34.77	PASS
	12	6	22.46	21.34	22.32	-2.50	-0.35	19.96	18.84	19.82	34.77	PASS
			22.26	21.41	22.33	-2.50	-0.35	19.76	18.91	19.83	34.77	PASS
		13	22.26	21.41	22.33	-2.50	-0.35	19.76	18.91	19.83	34.77	PASS
	25	0	22.42	21.30	22.34	-2.50	-0.35	19.92	18.80	19.84	34.77	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd)												

Test Band: 71 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	24.47	23.10	24.16	-2.50	-0.35	21.97	20.60	21.66	34.77	PASS
		25	24.11	23.19	24.38	-2.50	-0.35	21.61	20.69	21.88	34.77	PASS
		49	23.50	23.70	24.23	-2.50	-0.35	21.00	21.20	21.73	34.77	PASS
	25	0	23.36	22.18	23.22	-2.50	-0.35	20.86	19.68	20.72	34.77	PASS
		13	23.12	22.27	23.36	-2.50	-0.35	20.62	19.77	20.86	34.77	PASS
		25	22.84	22.42	23.27	-2.50	-0.35	20.34	19.92	20.77	34.77	PASS
16QAM	50	0	23.06	22.29	23.29	-2.50	-0.35	20.56	19.79	20.79	34.77	PASS
			23.50	22.28	23.67	-2.50	-0.35	21.00	19.78	21.17	34.77	PASS
			23.14	22.40	23.89	-2.50	-0.35	20.64	19.90	21.39	34.77	PASS
	1	25	22.51	22.94	23.70	-2.50	-0.35	20.01	20.44	21.20	34.77	PASS
		49	22.51	22.94	23.70	-2.50	-0.35	20.01	20.44	21.20	34.77	PASS
		0	22.50	21.19	22.32	-2.50	-0.35	20.00	18.69	19.82	34.77	PASS
	25	13	22.19	21.34	22.45	-2.50	-0.35	19.69	18.84	19.95	34.77	PASS
			21.93	21.47	22.38	-2.50	-0.35	19.43	18.97	19.88	34.77	PASS
		25	21.93	21.47	22.38	-2.50	-0.35	19.43	18.97	19.88	34.77	PASS
	50	0	22.08	21.33	22.35	-2.50	-0.35	19.58	18.83	19.85	34.77	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi) 3) ERP = Conducted output power + Antenna gain (dBd)												

Test Band: 71 15MHz 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	24.44	23.32	23.70	-2.50	-0.35	21.94	20.82	21.20	34.77	PASS
		38	23.67	23.21	24.33	-2.50	-0.35	21.17	20.71	21.83	34.77	PASS
		74	23.05	23.92	24.22	-2.50	-0.35	20.55	21.42	21.72	34.77	PASS



16QAM	36	0	23.20	22.20	22.95	-2.50	-0.35	20.70	19.70	20.45	34.77	PASS
		18	22.82	22.28	23.19	-2.50	-0.35	20.32	19.78	20.69	34.77	PASS
		39	22.27	22.52	23.28	-2.50	-0.35	19.77	20.02	20.78	34.77	PASS
	75	0	22.74	22.33	23.09	-2.50	-0.35	20.24	19.83	20.59	34.77	PASS
		38	23.03	22.39	23.89	-2.50	-0.35	20.53	19.89	21.39	34.77	PASS
		74	22.38	23.18	23.70	-2.50	-0.35	19.88	20.68	21.20	34.77	PASS
	36	0	22.25	21.31	22.08	-2.50	-0.35	19.75	18.81	19.58	34.77	PASS
		18	21.92	21.33	22.31	-2.50	-0.35	19.42	18.83	19.81	34.77	PASS
		39	21.38	21.64	22.39	-2.50	-0.35	18.88	19.14	19.89	34.77	PASS
	75	0	21.85	21.45	22.18	-2.50	-0.35	19.35	18.95	19.68	34.77	PASS

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

3) ERP = Conducted output power + Antenna gain (dBd)

Test Band: 71 20MHz 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	24.39	23.55	23.19	-2.50	-0.35	21.89	21.05	20.69	34.77	PASS
		50	23.33	23.22	24.06	-2.50	-0.35	20.83	20.72	21.56	34.77	PASS
		99	23.27	24.21	24.24	-2.50	-0.35	20.77	21.71	21.74	34.77	PASS
	50	0	22.95	22.28	22.52	-2.50	-0.35	20.45	19.78	20.02	34.77	PASS
		25	22.47	22.31	23.06	-2.50	-0.35	19.97	19.81	20.56	34.77	PASS
		50	22.18	22.67	23.26	-2.50	-0.35	19.68	20.17	20.76	34.77	PASS
16QAM	1	0	22.57	22.46	22.96	-2.50	-0.35	20.07	19.96	20.46	34.77	PASS
		50	23.92	22.78	22.46	-2.50	-0.35	21.42	20.28	19.96	34.77	PASS
		99	22.88	22.42	23.34	-2.50	-0.35	20.38	19.92	20.84	34.77	PASS
	50	0	22.84	23.46	23.47	-2.50	-0.35	20.34	20.96	20.97	34.77	PASS
		25	22.00	21.32	21.59	-2.50	-0.35	19.50	18.82	19.09	34.77	PASS
		50	21.50	21.33	22.11	-2.50	-0.35	19.00	18.83	19.61	34.77	PASS
	100	0	21.30	21.67	22.31	-2.50	-0.35	18.80	19.17	19.81	34.77	PASS
		25	21.63	21.52	22.01	-2.50	-0.35	19.13	19.02	19.51	34.77	PASS
		50	21.30	21.67	22.31	-2.50	-0.35	18.80	19.17	19.81	34.77	PASS

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

3) ERP = Conducted output power + Antenna gain (dBd)



2. Frequency stability

2.1 Test Result

Test Band: 71 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	- 2.203 0	1.859 7	1.888 3	-0.0033	0.0027	0.0027	2.50	PASS
				NV	1.931 2	1.816 8	0.486 4	0.0029	0.0027	0.0007	2.50	PASS
				HV	2.074 2	2.431 9	3.061 3	0.0031	0.0036	0.0044	2.50	PASS
16QAM	25	0	NT	LV	- 0.186 0	2.074 2	2.017 0	-0.0003	-0.0030	-0.0029	2.50	PASS
				NV	1.545 0	0.772 5	2.274 5	0.0023	0.0011	-0.0033	2.50	PASS
				HV	- 1.487 7	- 0.815 4	- 1.587 9	-0.0022	-0.0012	-0.0023	2.50	PASS

Test Band: 71 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	0.472 1	1.602 2	1.058 6	0.0007	0.0024	-0.0015	2.50	PASS
				-20.00	- 1.859 7	2.260 2	1.244 5	-0.0028	0.0033	0.0018	2.50	PASS
				-10.00	- 2.746 6	1.058 6	3.247 3	-0.0041	0.0016	0.0047	2.50	PASS
				0.00	0.486 4	0.858 3	- 0.100 1	0.0007	0.0013	-0.0001	2.50	PASS
				10.00	- 1.387 6	0.572 2	1.945 5	-0.0021	0.0008	0.0028	2.50	PASS
				20.00	- 2.975 5	1.030 0	3.132 8	-0.0045	0.0015	0.0045	2.50	PASS
				30.00	0.786 8	0.028 6	0.772 5	0.0012	0.0000	0.0011	2.50	PASS
				40.00	- 0.643 7	- 0.643 7	1.630 8	-0.0010	-0.0009	0.0023	2.50	PASS
				50.00	- 2.389 0	0.214 6	3.876 7	-0.0036	0.0003	0.0056	2.50	PASS
16QAM	25	0	NV	-30.00	- 0.257 5	0.371 9	2.760 9	-0.0004	0.0005	0.0040	2.50	PASS



				-20.00	2.059 9	- 1.330 4	- 4.391 7	0.0031	-0.0020	-0.0063	2.50	PASS
				-10.00	- 0.414 8	1.130 1	0.128 7	-0.0006	0.0017	0.0002	2.50	PASS
				0.00	1.945 5	0.214 6	- 0.858 3	0.0029	0.0003	-0.0012	2.50	PASS
				10.00	1.831 1	- 2.446 2	- 2.331 7	0.0028	-0.0036	-0.0034	2.50	PASS
				20.00	- 1.516 3	0.615 1	- 1.158 7	-0.0023	0.0009	-0.0017	2.50	PASS
				30.00	1.430 5	- 1.487 7	- 1.459 1	0.0021	-0.0022	-0.0021	2.50	PASS
				40.00	- 0.672 3	- 1.630 8	- 0.085 8	-0.0010	-0.0024	-0.0001	2.50	PASS
				50.00	1.773 8	- 1.444 8	- 2.160 1	0.0027	-0.0021	-0.0031	2.50	PASS

Test Band: 71 10MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NT	LV	3.905 3	- 1.974 1	- 2.088 5	0.0058	-0.0029	-0.0030	2.50	PASS
				NV	- 0.371 9	1.816 8	- 1.459 1	-0.0006	0.0027	-0.0021	2.50	PASS
				HV	0.615 1	1.802 4	- 0.901 2	0.0009	0.0026	-0.0013	2.50	PASS
16QAM	50	0	NT	LV	1.316 1	- 1.416 2	- 1.044 3	0.0020	-0.0021	-0.0015	2.50	PASS
				NV	- 1.430 5	- 0.228 9	- 0.829 7	-0.0021	-0.0003	-0.0012	2.50	PASS
				HV	1.044 3	- 1.602 2	- 0.958 4	0.0016	-0.0024	-0.0014	2.50	PASS

Test Band: 71 10MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	50	0	NV	-30.00	0.872 6	3.533 4	0.457 8	-0.0013	-0.0052	-0.0007	2.50	PASS
				-20.00	- 0.214 6	- 0.557 9	- 0.557 9	-0.0003	-0.0008	-0.0008	2.50	PASS



				-10.00	1.015 7	- 1.330 4	- 0.529 3	0.0015	-0.0020	-0.0008	2.50	PASS
				0.00	- 0.286 1	- 4.019 7	- 0.515 0	-0.0004	-0.0059	-0.0007	2.50	PASS
				10.00	- 0.987 1	- 0.114 4	- 1.030 0	-0.0015	-0.0002	-0.0015	2.50	PASS
				20.00	- 1.087 2	- 0.743 9	- 1.530 6	-0.0016	-0.0011	-0.0022	2.50	PASS
				30.00	- 1.301 8	- 2.360 3	- 1.888 3	-0.0019	-0.0035	-0.0027	2.50	PASS
				40.00	- 1.759 5	- 3.576 3	- 1.673 7	-0.0026	-0.0053	-0.0024	2.50	PASS
				50.00	0.314 7	0.429 2	- 2.231 6	0.0005	0.0006	-0.0032	2.50	PASS
16QAM	50	0	NV	-30.00	- 0.686 6	- 1.115 8	- 0.243 2	-0.0010	-0.0016	-0.0004	2.50	PASS
				-20.00	1.330 4	- 1.530 6	- 0.815 4	0.0020	-0.0022	-0.0012	2.50	PASS
				-10.00	1.688 0	0.872 6	- 0.572 2	0.0025	0.0013	-0.0008	2.50	PASS
				0.00	- 0.300 4	- 1.401 9	- 1.058 6	-0.0004	-0.0021	-0.0015	2.50	PASS
				10.00	- 0.400 5	1.387 6	- 1.659 4	-0.0006	0.0020	-0.0024	2.50	PASS
				20.00	- 1.015 7	- 1.373 3	- 2.088 5	-0.0015	-0.0020	-0.0030	2.50	PASS
				30.00	- 0.600 8	2.059 9	- 1.688 0	-0.0009	0.0030	-0.0024	2.50	PASS
				40.00	- 0.200 3	- 0.286 1	- 1.630 8	-0.0003	-0.0004	-0.0024	2.50	PASS
				50.00	- 1.273 2	2.560 6	0.572 2	-0.0019	0.0038	0.0008	2.50	PASS

Test Band: 71 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	- 1.301 8	- 2.803 8	- 1.902 6	-0.0019	-0.0041	-0.0028	2.50	PASS
				NV	- 2.074	- 0.543	- 1.502	-0.0031	-0.0008	-0.0022	2.50	PASS



					2	6	0					
				HV	- 2.231 6	0.271 8	- 0.071 5	-0.0033	0.0004	-0.0001	2.50	PASS
16QAM	75	0	NT	LV	- 1.344 7	0.529 3	- 1.530 6	-0.0020	0.0008	-0.0022	2.50	PASS
				NV	- 1.301 8	- 1.373 3	- 0.371 9	-0.0019	-0.0020	-0.0005	2.50	PASS
				HV	0.014 3	- 1.258 8	- 0.515 0	0.0000	-0.0018	-0.0007	2.50	PASS

Test Band: 71 15MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	75	0	NV	-30.00	- 1.158 7	- 0.343 3	- 1.888 3	-0.0017	-0.0005	-0.0027	2.50	PASS
				-20.00	- 2.102 9	- 0.429 2	- 0.872 6	-0.0031	-0.0006	-0.0013	2.50	PASS
				-10.00	- 0.186 0	- 0.529 3	- 1.158 7	-0.0003	-0.0008	0.0017	2.50	PASS
				0.00	- 0.772 5	0.972 7	- 1.258 8	-0.0012	0.0014	-0.0018	2.50	PASS
				10.00	- 0.987 1	- 1.030 0	- 0.972 7	-0.0015	-0.0015	-0.0014	2.50	PASS
				20.00	- 1.573 6	- 1.030 0	0.515 0	-0.0023	-0.0015	0.0007	2.50	PASS
				30.00	- 0.486 4	- 0.529 3	1.416 2	-0.0007	-0.0008	0.0021	2.50	PASS
				40.00	- 1.215 9	- 1.244 5	- 0.886 9	-0.0018	-0.0018	-0.0013	2.50	PASS
				50.00	- 1.630 8	0.271 8	- 0.615 1	-0.0024	0.0004	-0.0009	2.50	PASS
16QAM	75	0	NV	-30.00	- 2.074 2	- 0.157 4	- 1.130 1	-0.0031	-0.0002	-0.0016	2.50	PASS
				-20.00	- 0.958 4	- 0.701 0	0.443 5	-0.0014	-0.0010	0.0006	2.50	PASS
				-10.00	- 0.815 4	- 0.772 5	- 0.114 4	-0.0012	-0.0011	-0.0002	2.50	PASS
				0.00	0.000 0	- 0.257 5	- 0.414 8	0.0000	-0.0004	-0.0006	2.50	PASS
				10.00	-	-	-	-0.0011	-0.0018	-0.0023	2.50	PASS



					0.715 3	1.258 8	1.573 6					
				20.00	- 0.929 8	- 0.886 9	- 1.988 4	-0.0014	-0.0013	-0.0029	2.50	PASS
				30.00	- 0.786 8	- 0.772 5	- 0.758 2	-0.0012	-0.0011	0.0011	2.50	PASS
				40.00	0.257 5	- 0.958 4	0.200 3	0.0004	-0.0014	0.0003	2.50	PASS
				50.00	- 1.573 6	- 0.128 7	- 0.701 0	-0.0023	0.0002	-0.0010	2.50	PASS

Test Band: 71 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	- 4.162 8	- 1.502 0	- 0.858 3	-0.0062	-0.0022	-0.0012	2.50	PASS
				NV	- 4.177 1	- 2.002 7	- 0.028 6	-0.0062	-0.0029	0.0000	2.50	PASS
				HV	- 5.164 1	- 1.244 5	- 2.517 7	-0.0077	0.0018	-0.0037	2.50	PASS
16QAM	100	0	NT	LV	- 4.291 5	- 0.786 8	- 1.273 2	-0.0064	-0.0012	-0.0019	2.50	PASS
				NV	- 4.420 3	- 1.273 2	- 1.745 2	-0.0066	-0.0019	-0.0025	2.50	PASS
				HV	- 4.820 8	- 0.543 6	- 0.028 6	-0.0072	-0.0008	0.0000	2.50	PASS

Test Band: 71 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	- 5.664 8	- 0.243 2	- 0.057 2	-0.0084	0.0004	0.0001	2.50	PASS
				-20.00	- 3.948 2	- 0.557 9	- 1.287 5	-0.0059	-0.0008	-0.0019	2.50	PASS
				-10.00	- 3.919 6	- 2.303 1	- 1.630 8	-0.0058	-0.0034	-0.0024	2.50	PASS
				0.00	- 2.360 3	- 0.400 5	- 1.187 3	-0.0035	0.0006	-0.0017	2.50	PASS
				10.00	- 2.417 6	- 1.187 3	- 0.000 0	-0.0036	-0.0017	0.0000	2.50	PASS
				20.00	-	-	0.686	-0.0049	-0.0025	0.0010	2.50	PASS



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					3.275 9	1.730 9	6					
				30.00	- 4.549 0	- 0.786 8	- 0.529 3	-0.0068	-0.0012	-0.0008	2.50	PASS
				40.00	- 3.933 9	- 0.257 5	- 2.160 1	-0.0058	-0.0004	-0.0031	2.50	PASS
				50.00	- 4.162 8	- 2.946 9	0.400 5	-0.0062	-0.0043	0.0006	2.50	PASS
16QAM	100	0	NV	-30.00	- 3.876 7	- 1.287 5	- 0.329 0	-0.0058	-0.0019	-0.0005	2.50	PASS
				-20.00	- 4.520 4	- 2.675 1	- 0.915 5	-0.0067	-0.0039	-0.0013	2.50	PASS
				-10.00	- 4.906 7	- 1.816 8	- 2.517 7	-0.0073	-0.0027	-0.0037	2.50	PASS
				0.00	- 3.075 6	- 0.486 4	- 1.931 2	-0.0046	-0.0007	-0.0028	2.50	PASS
				10.00	- 4.477 5	- 0.171 7	- 2.031 3	-0.0067	-0.0003	-0.0030	2.50	PASS
				20.00	- 3.089 9	- 1.373 3	- 0.972 7	-0.0046	-0.0020	-0.0014	2.50	PASS
				30.00	- 4.863 7	- 1.072 9	- 1.559 3	-0.0072	-0.0016	-0.0023	2.50	PASS
				40.00	- 3.433 2	- 0.915 5	- 1.502 0	-0.0051	-0.0013	-0.0022	2.50	PASS
				50.00	- 3.848 1	- 2.317 4	- 1.659 4	-0.0057	-0.0034	-0.0024	2.50	PASS

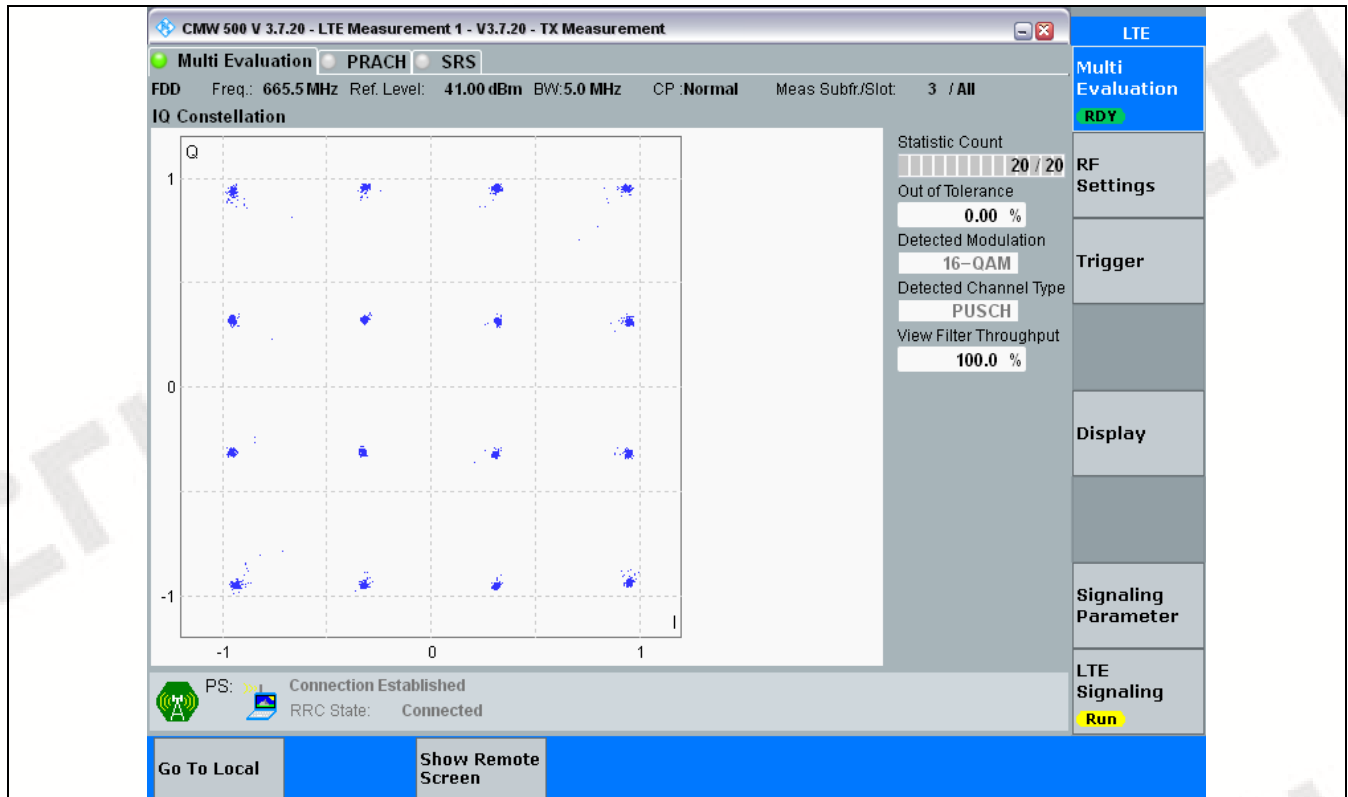


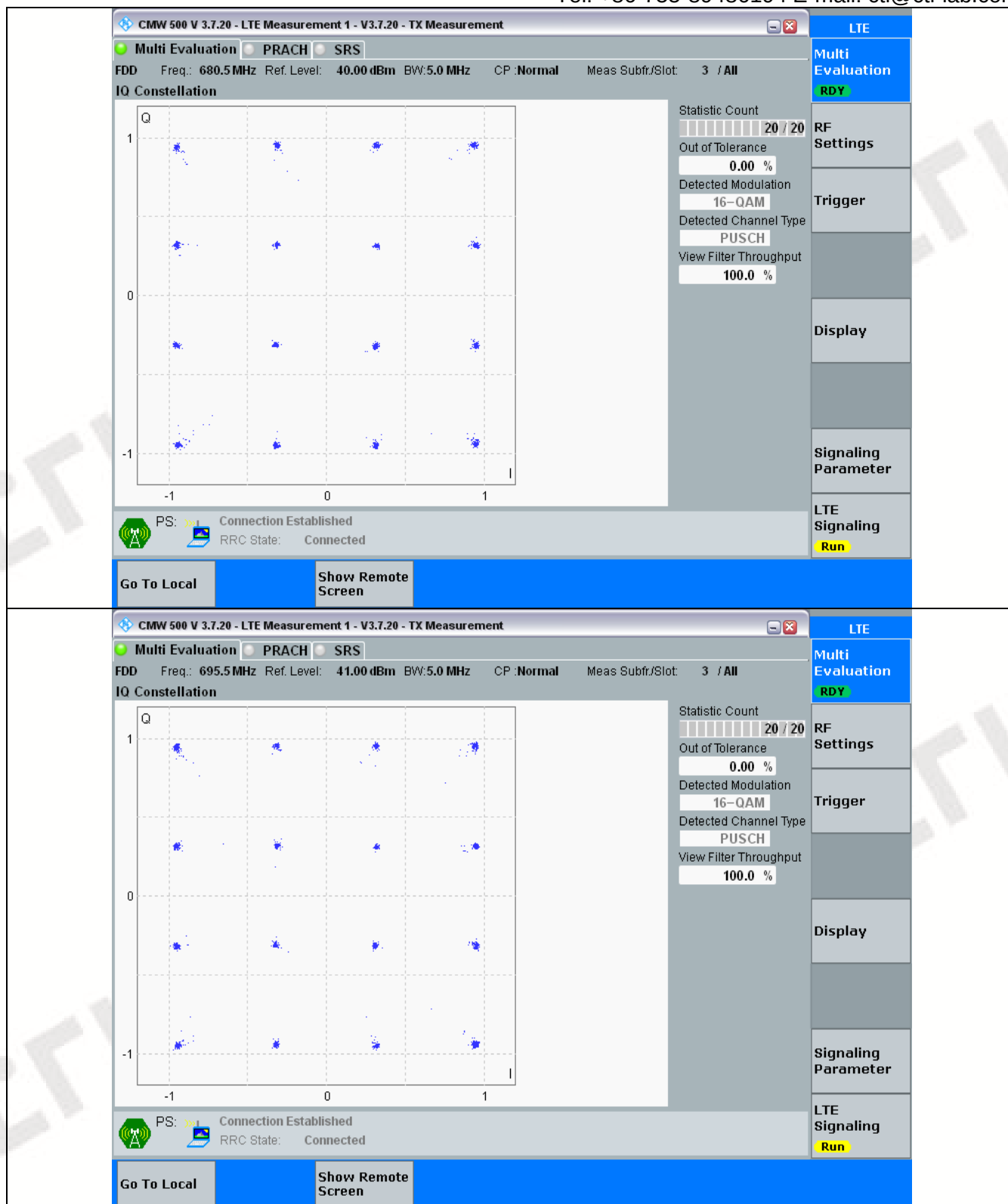
Shenzhen CTL Testing Technology Co., Ltd.

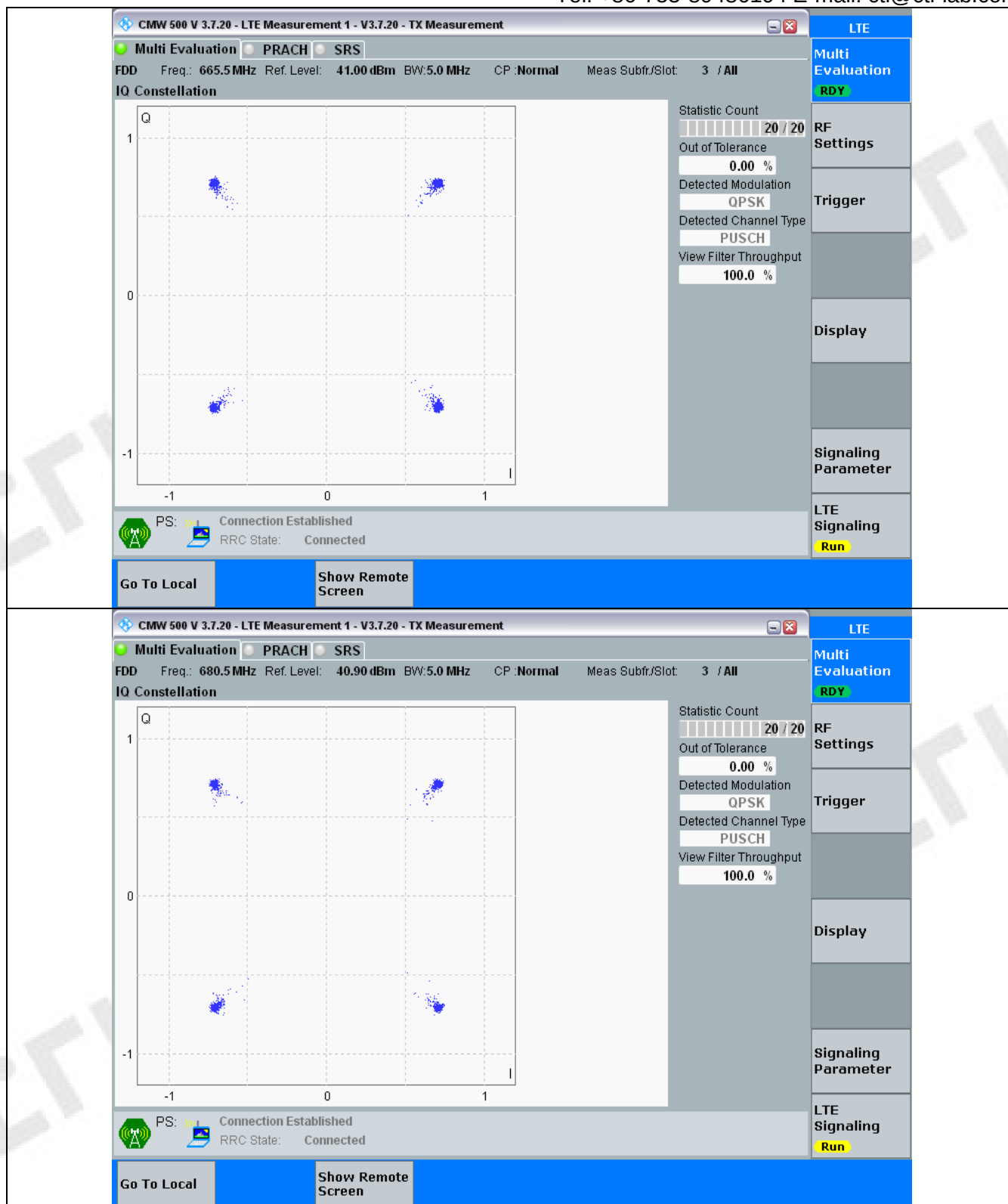
Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

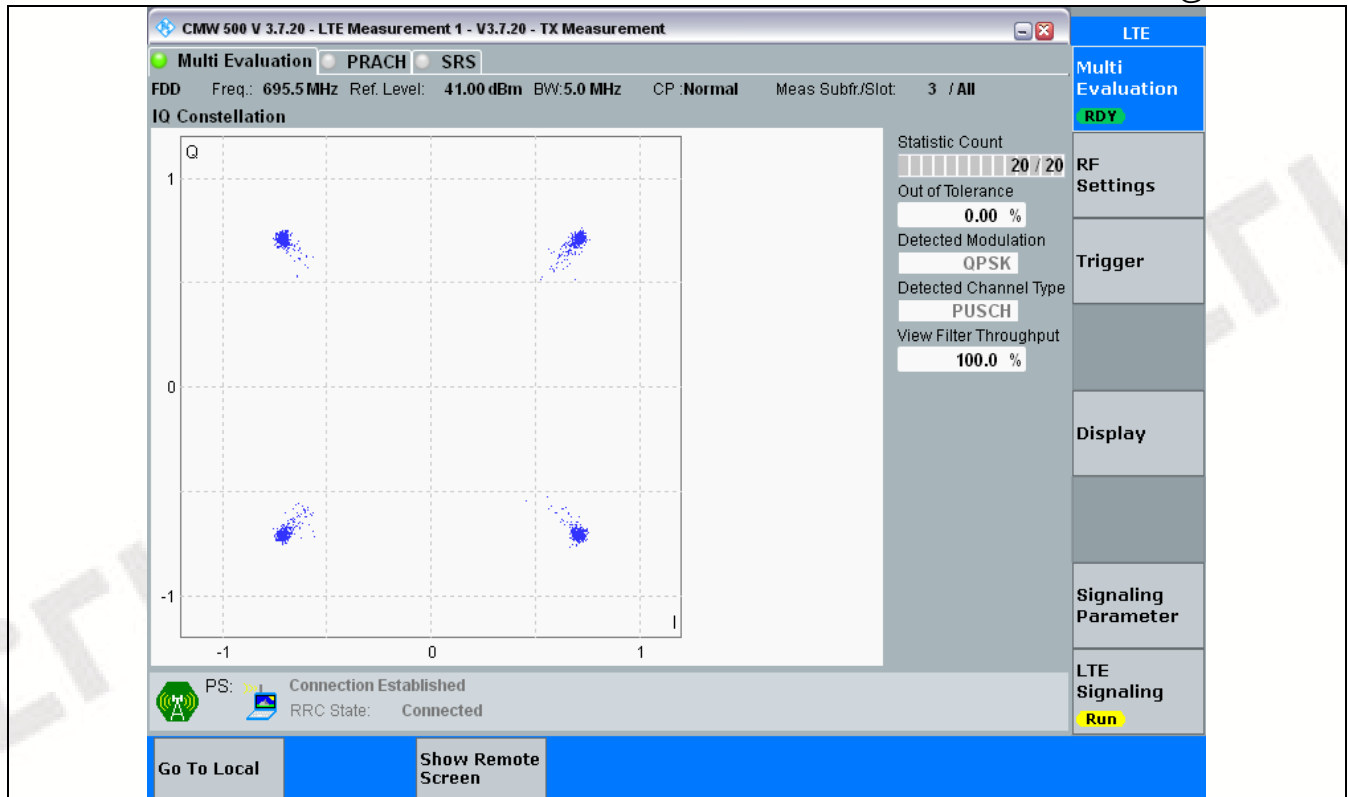
3. Modulation Characteristics

3.1 Test Graph

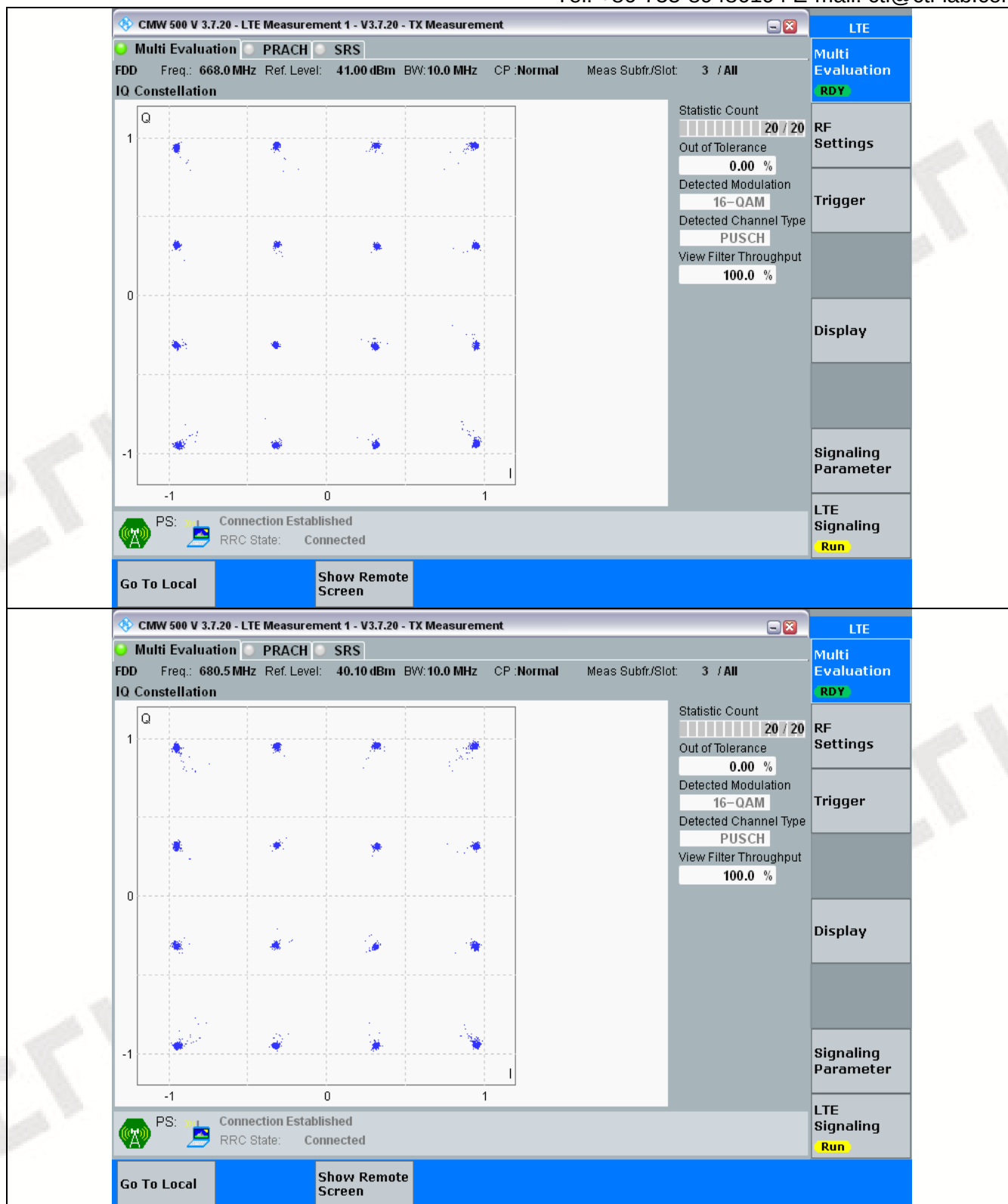


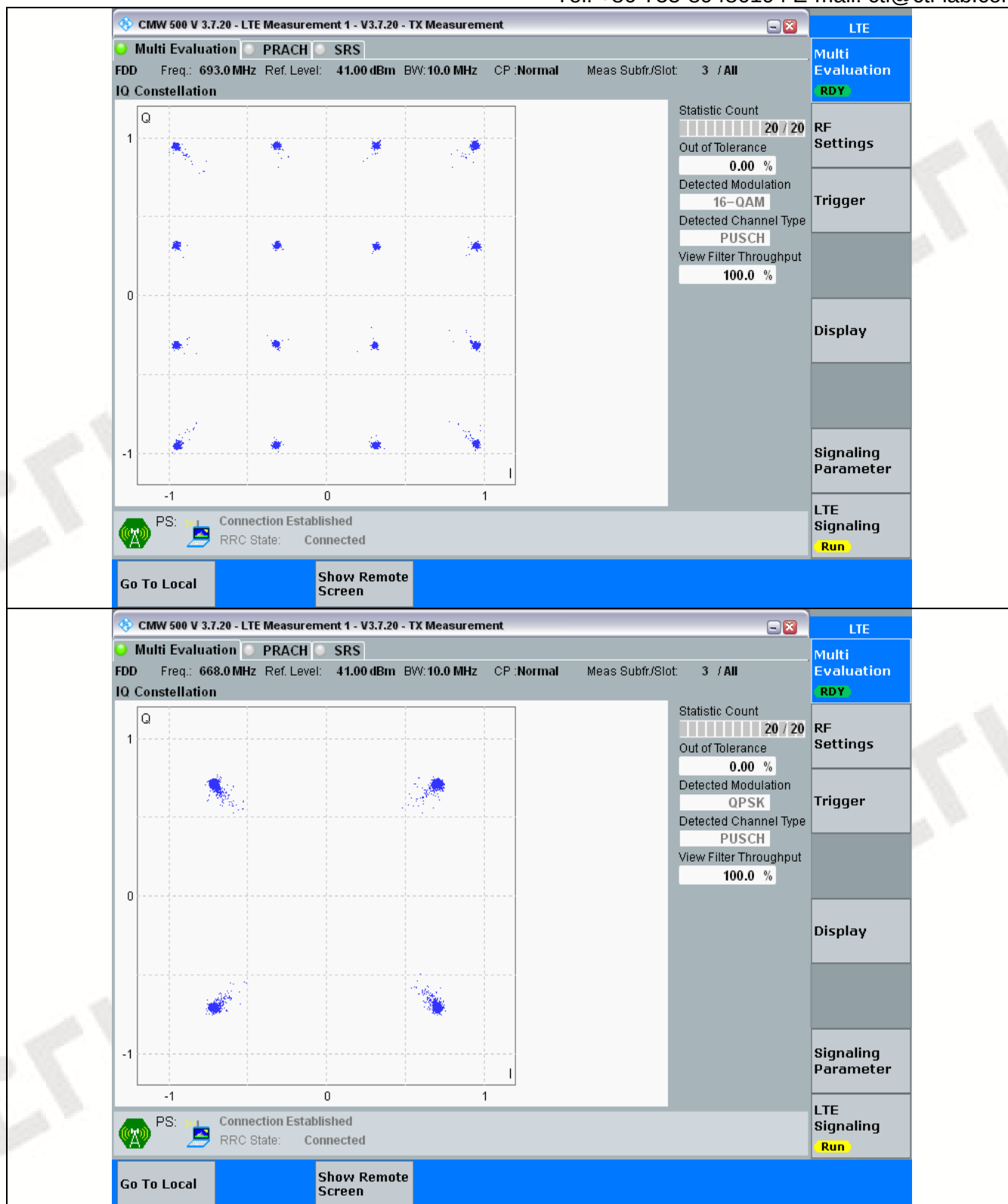


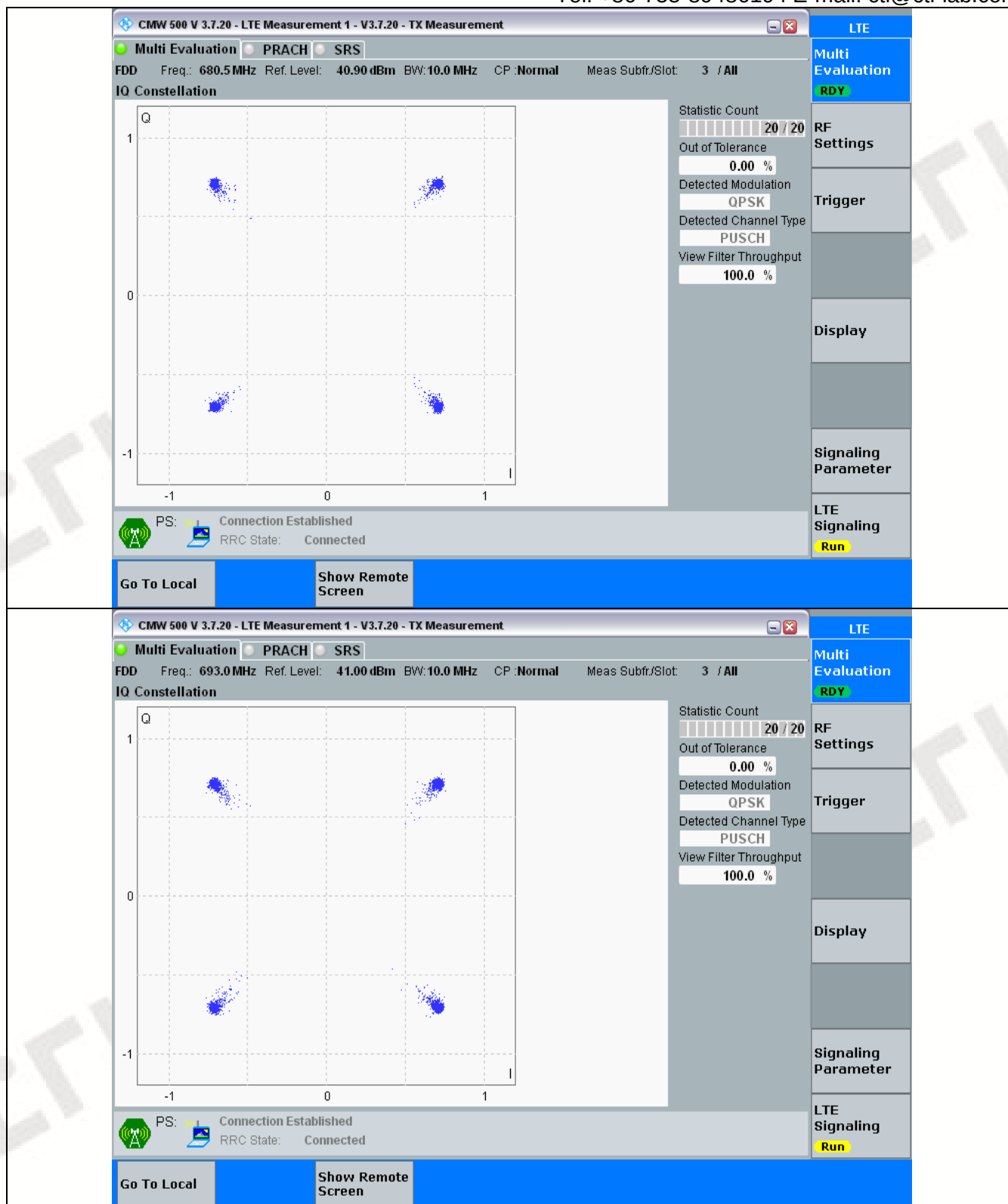




3.1 Test Graph





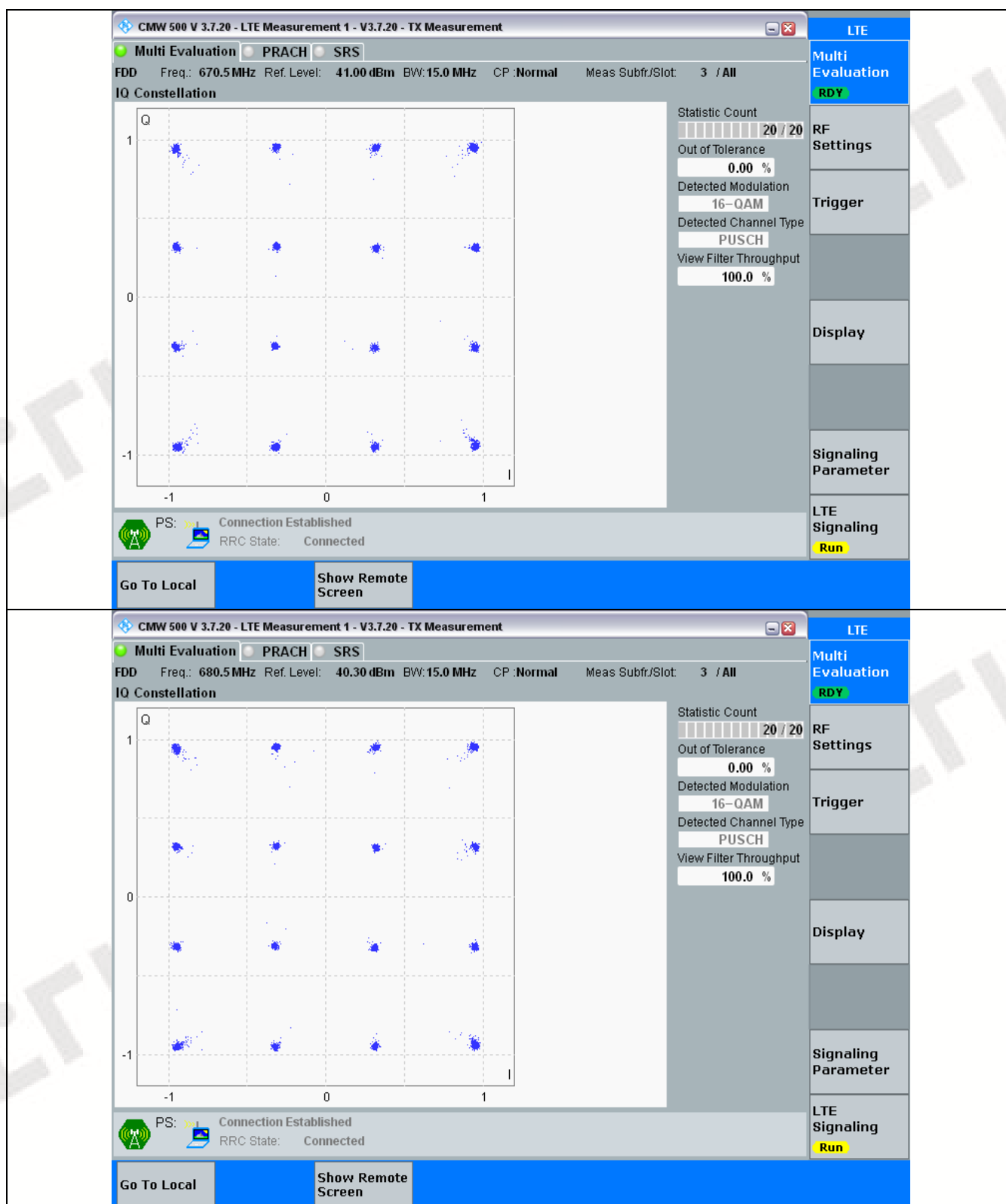


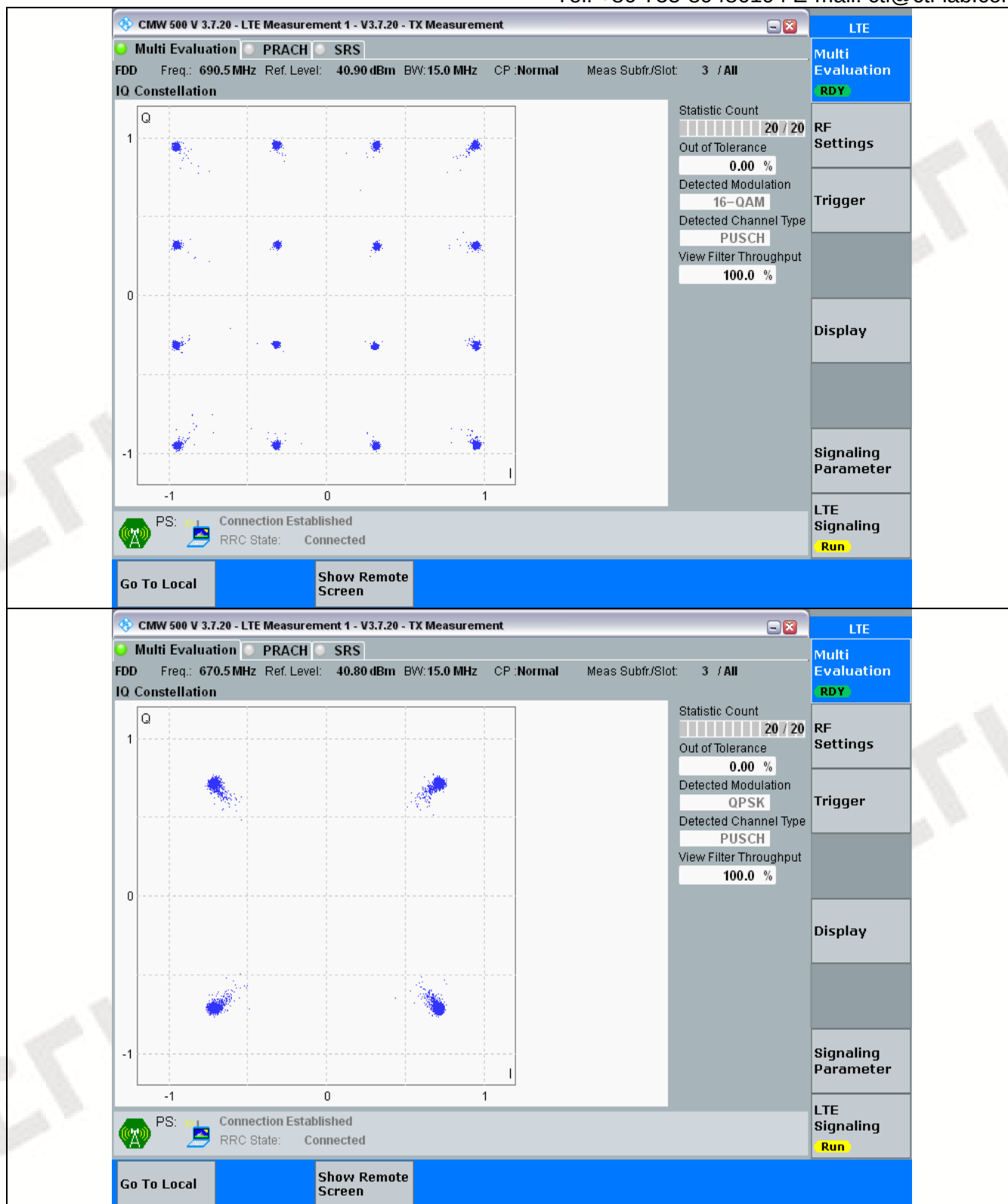


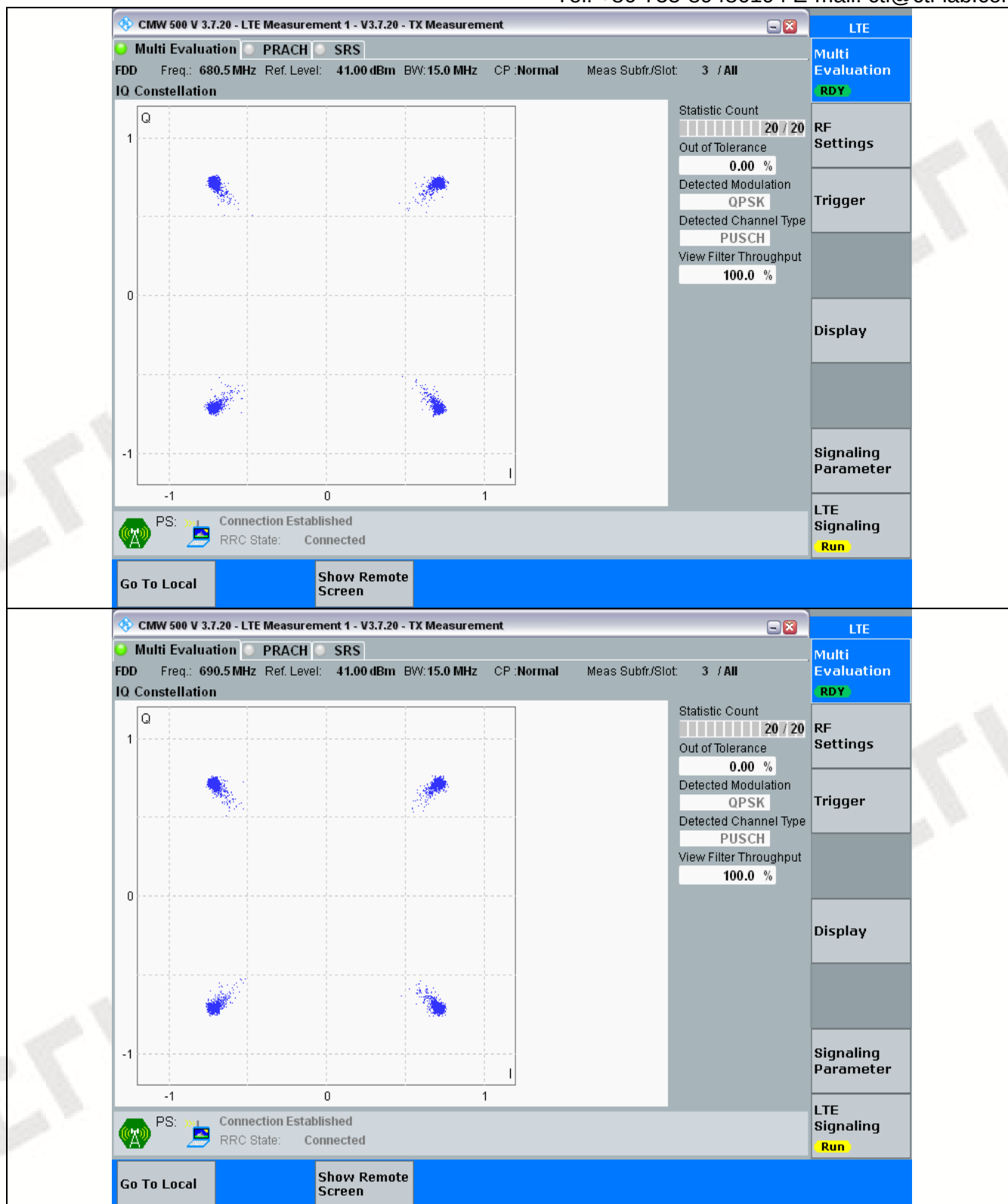
Shenzhen CTL Testing Technology Co., Ltd.

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

3.1 Test Graph





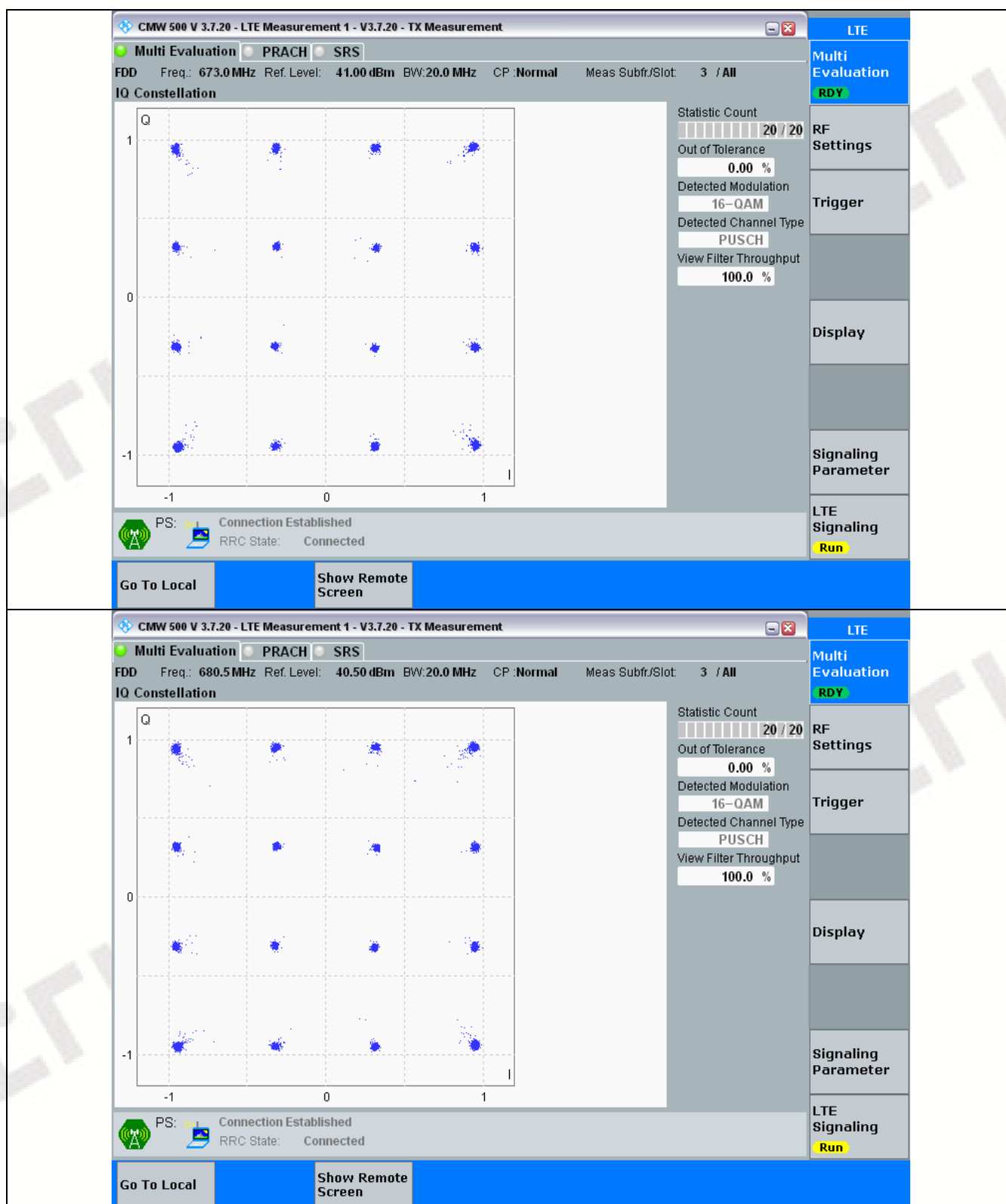


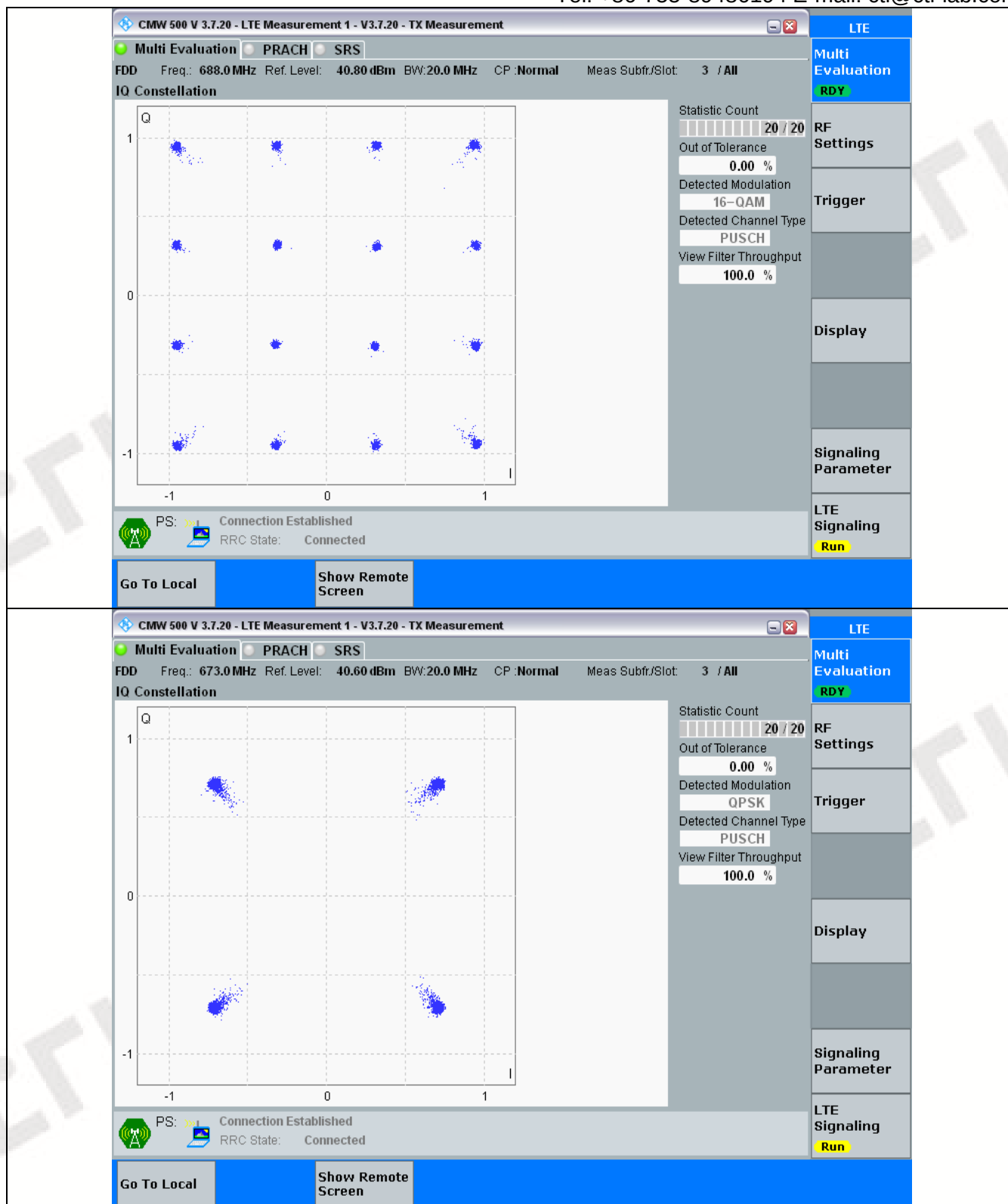


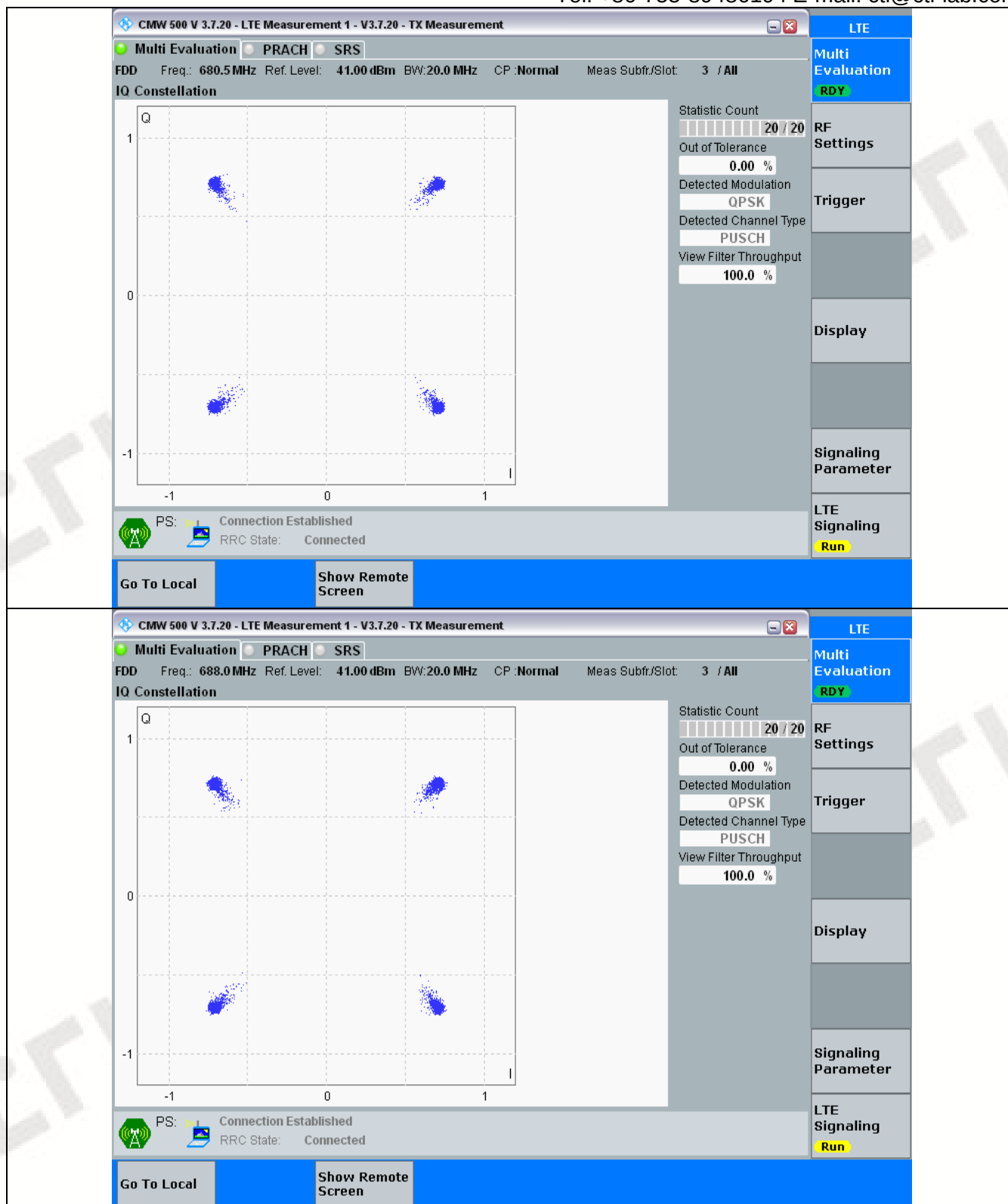
Shenzhen CTL Testing Technology Co., Ltd.

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

3.1 Test Graph







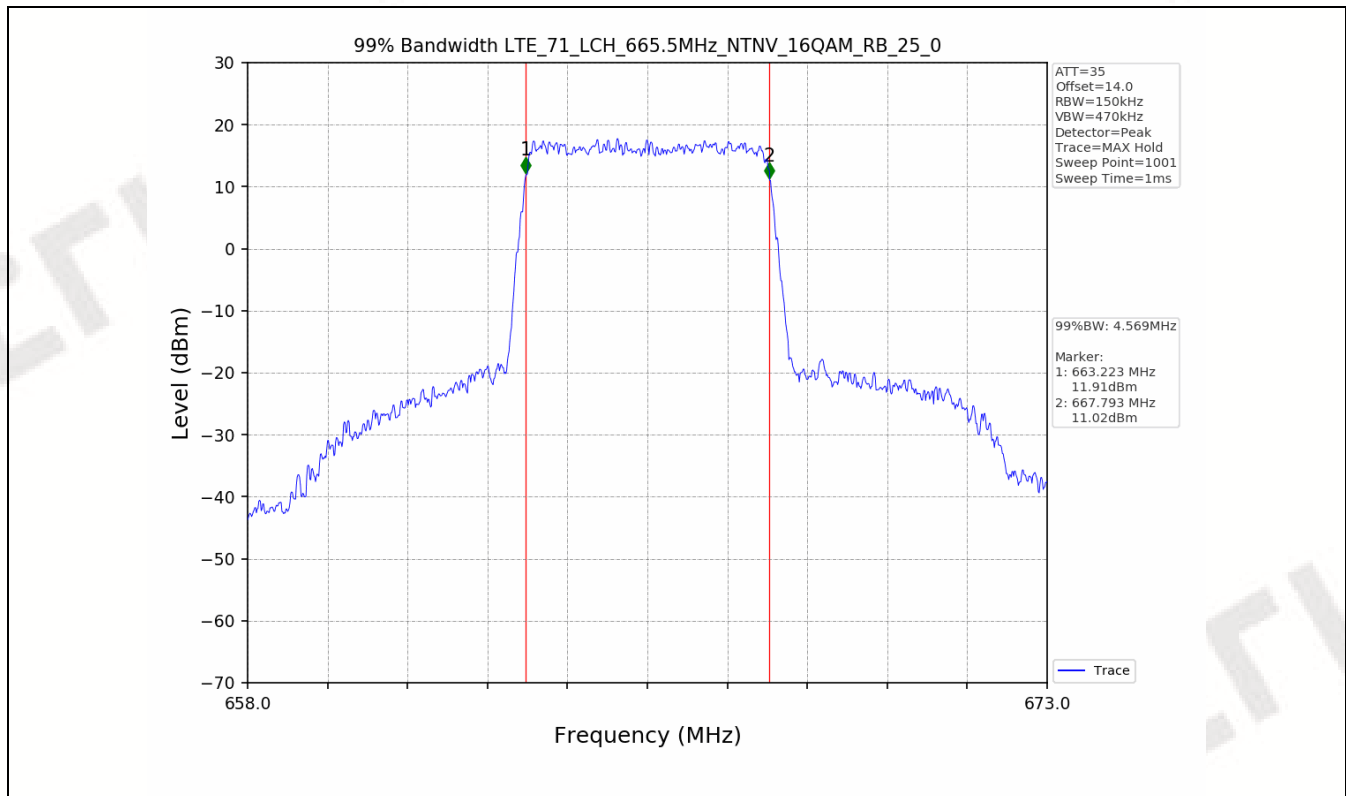


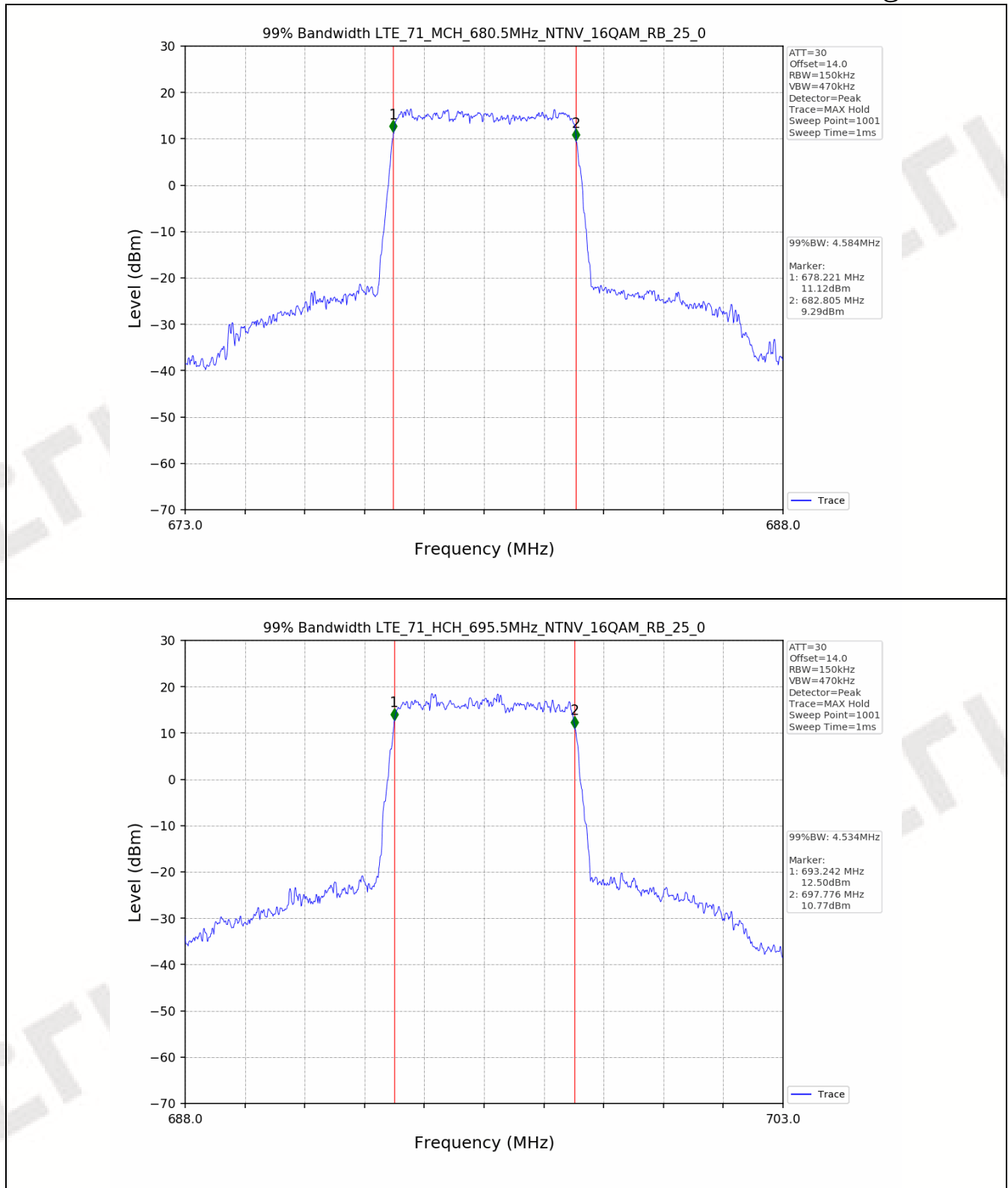
4. 99% & 26dB Bandwidth

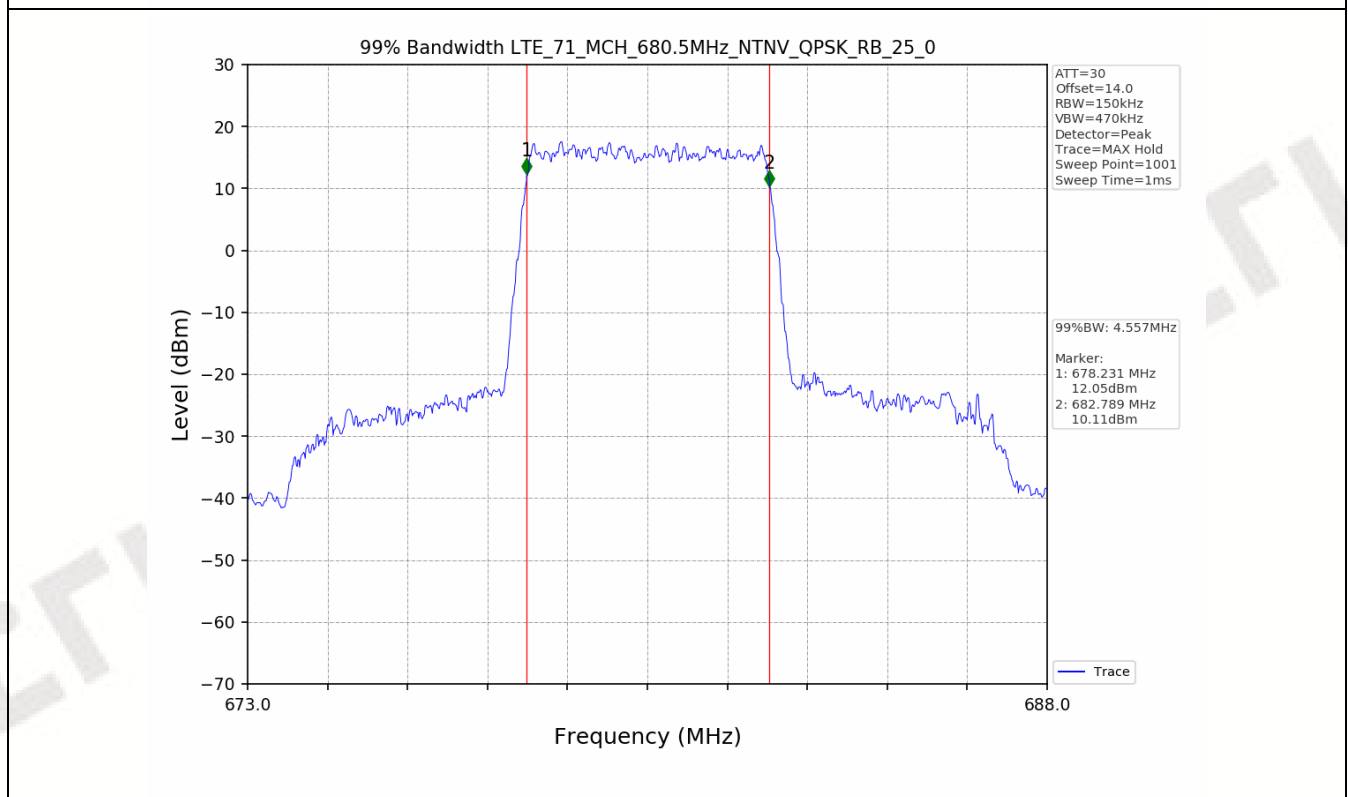
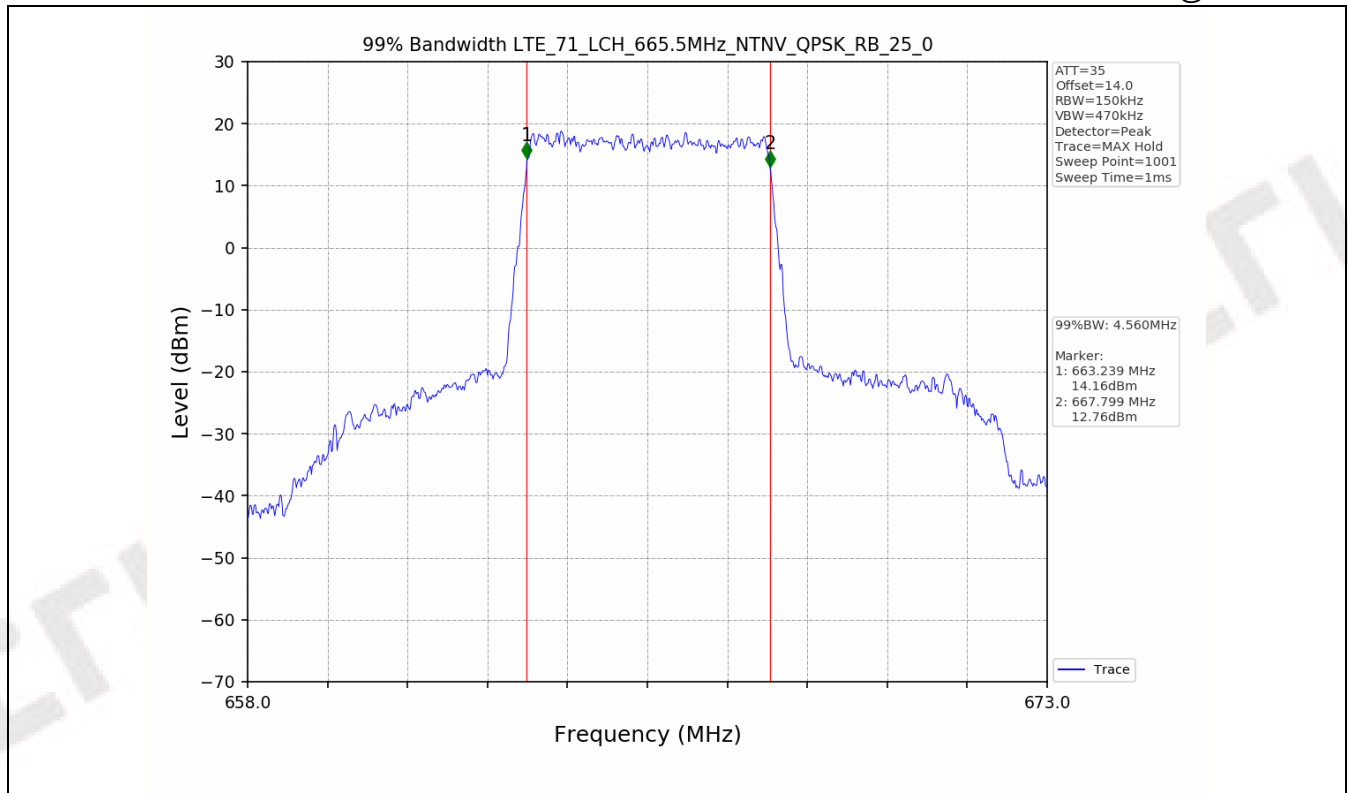
4.1 Test Result

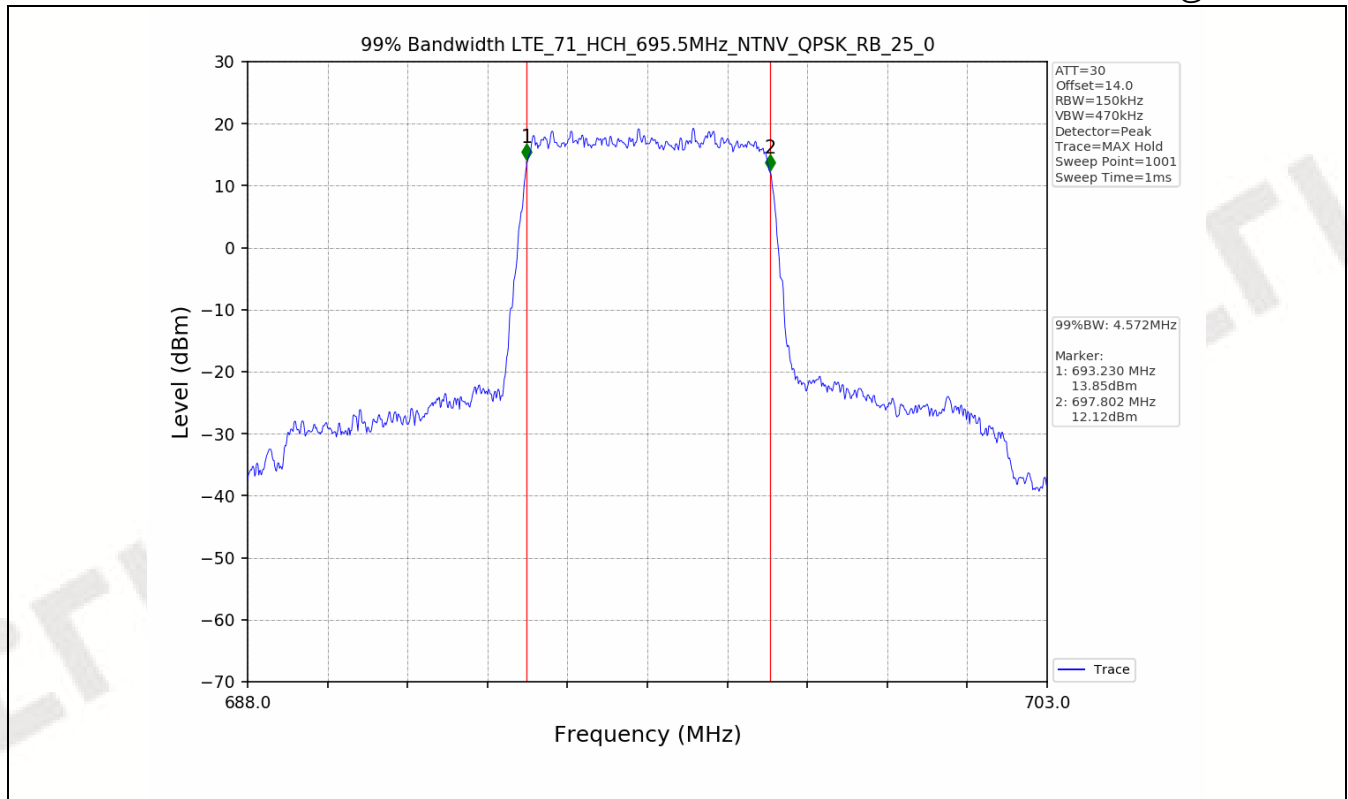
Test Band: 71_5MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.560	4.557	4.572	N/A	PASS
16QAM	25	0	4.569	4.584	4.534	N/A	PASS

4.2 Test Graph



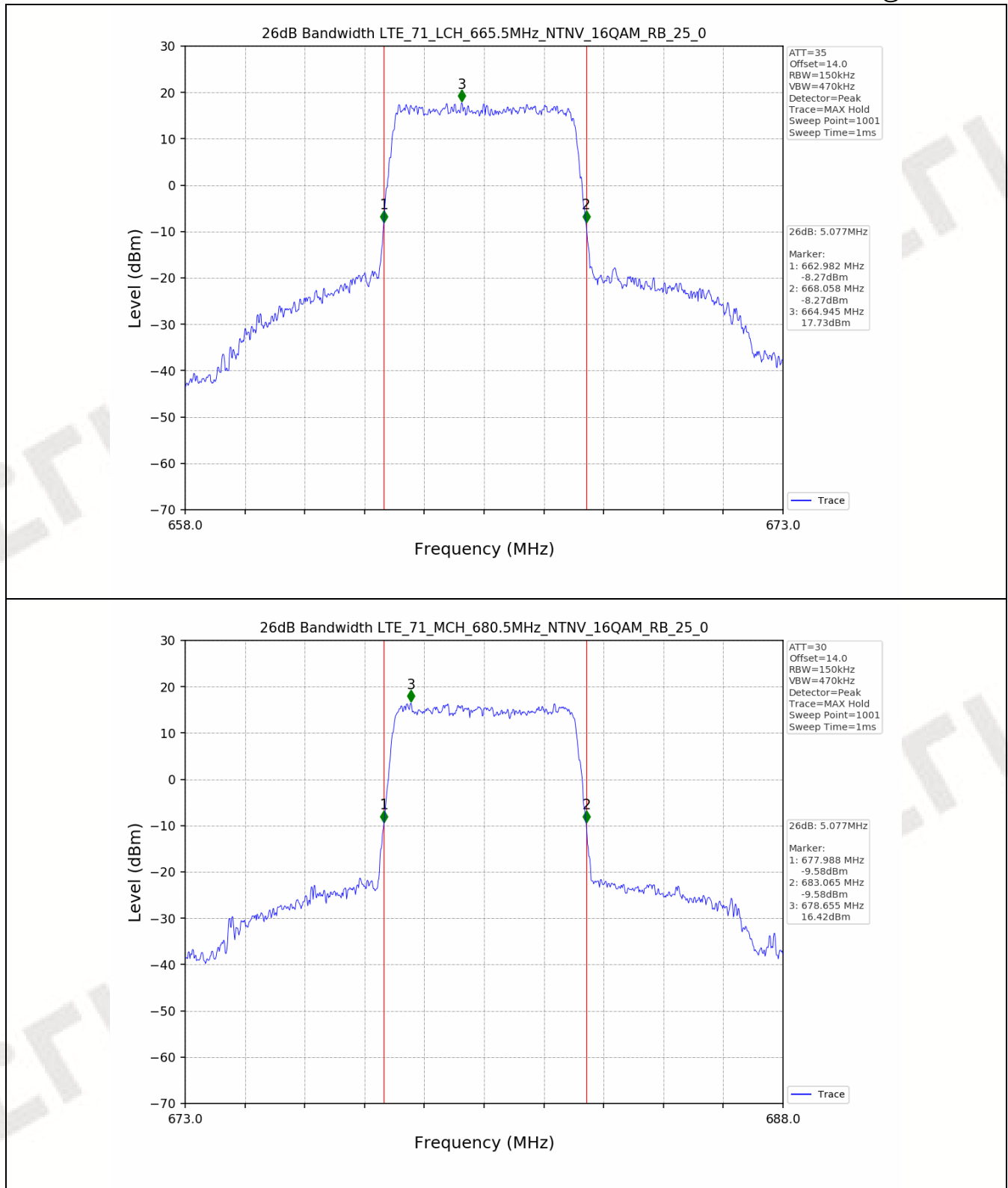


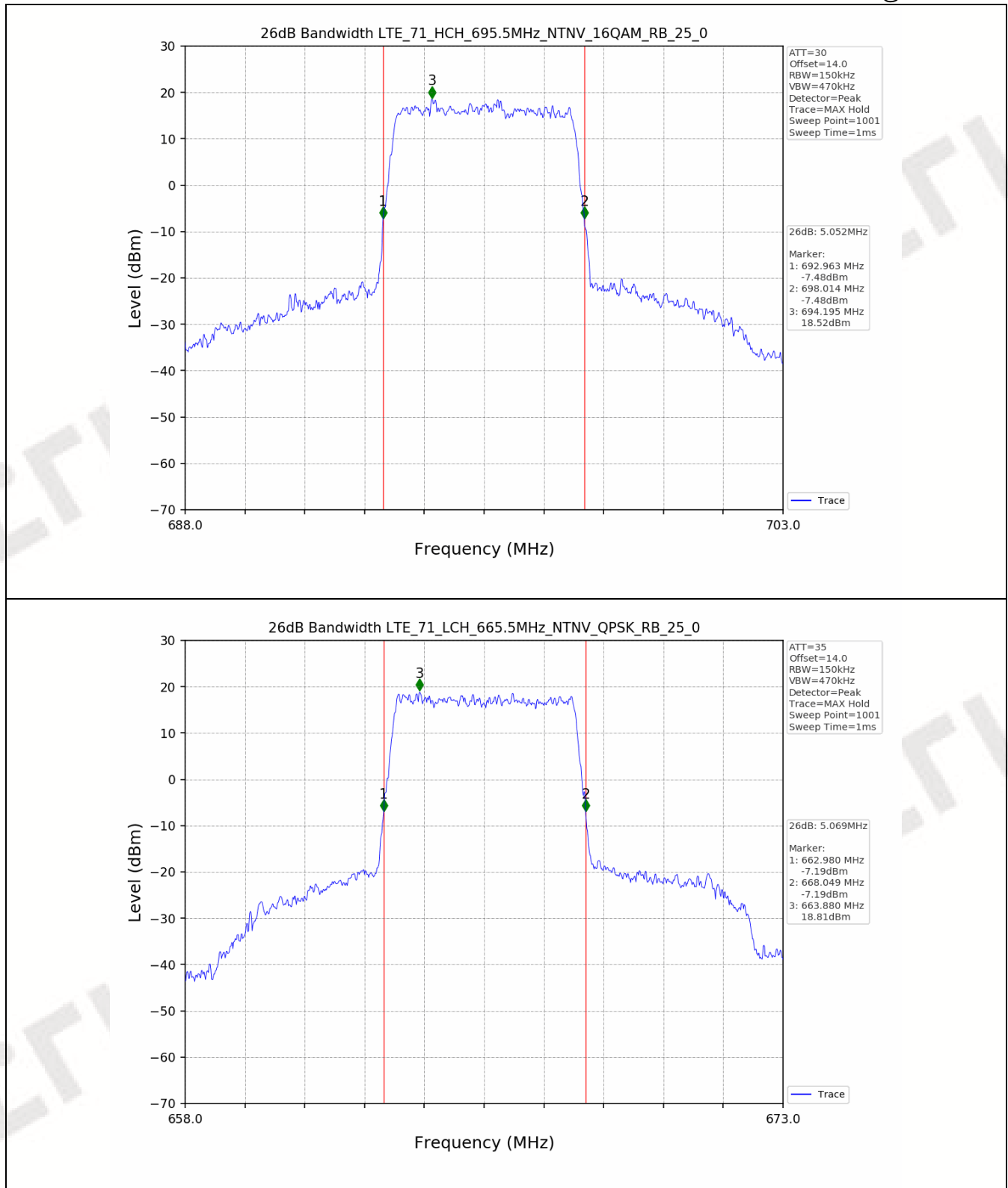


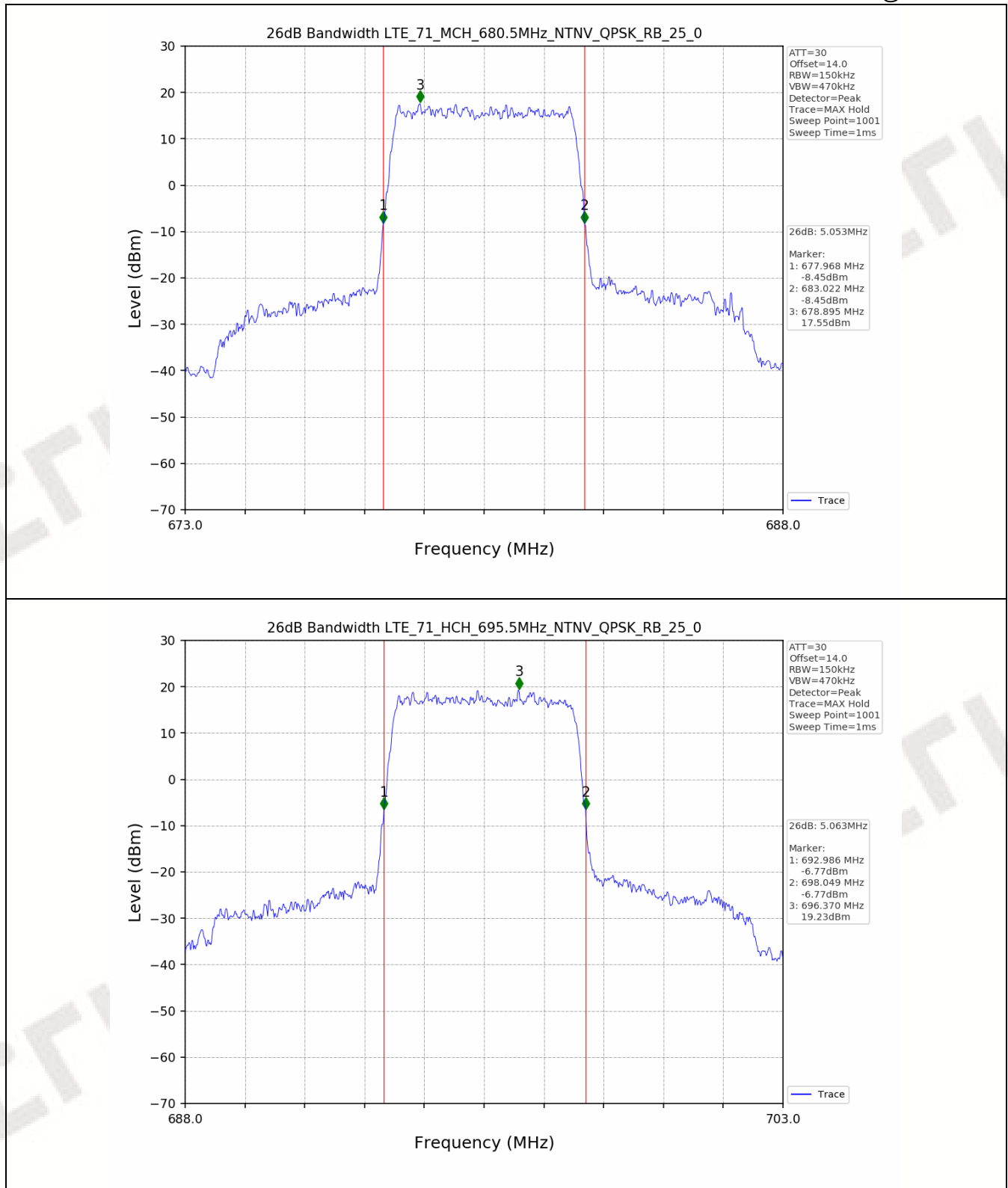


Test Band: 71_5MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	5.069	5.053	5.063	N/A	PASS
16QAM	25	0	5.077	5.077	5.052	N/A	PASS

4.2 Test Graph



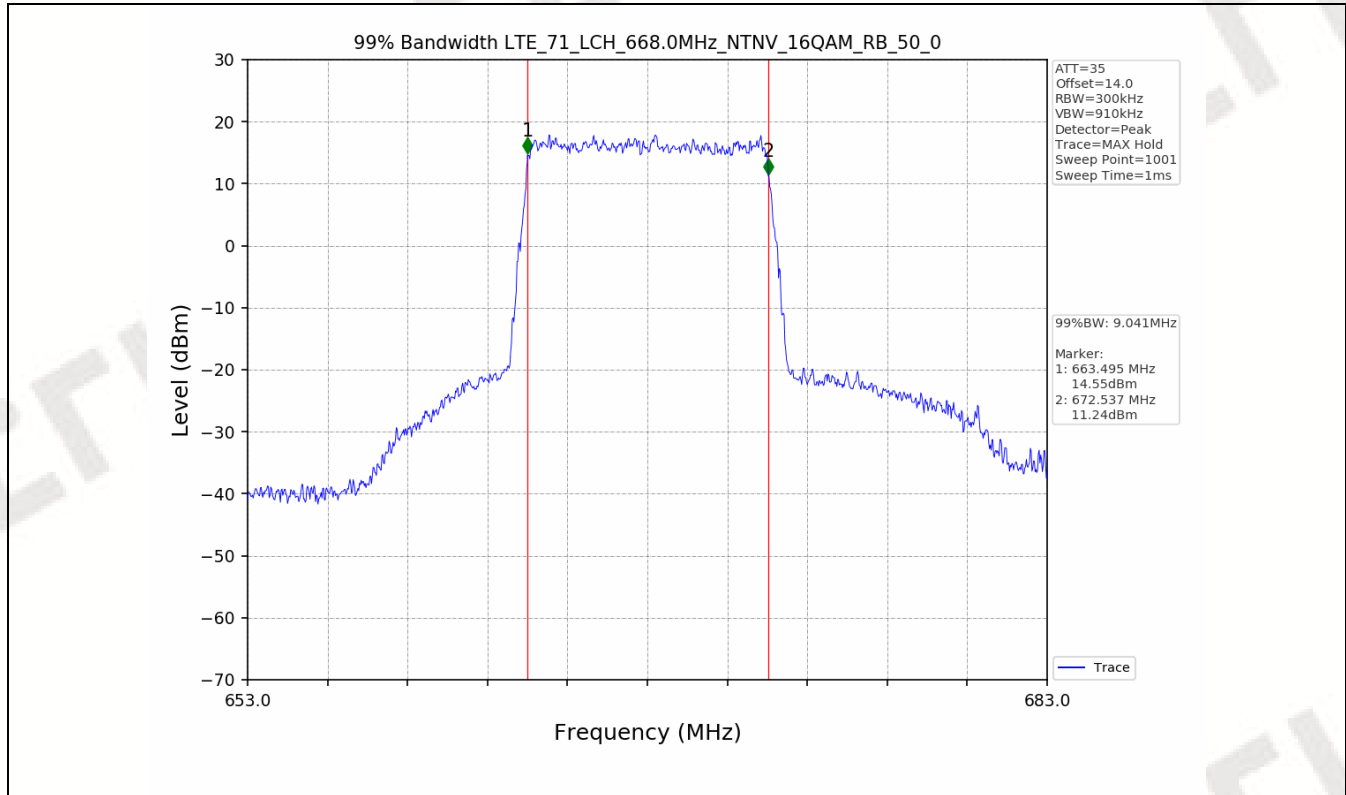


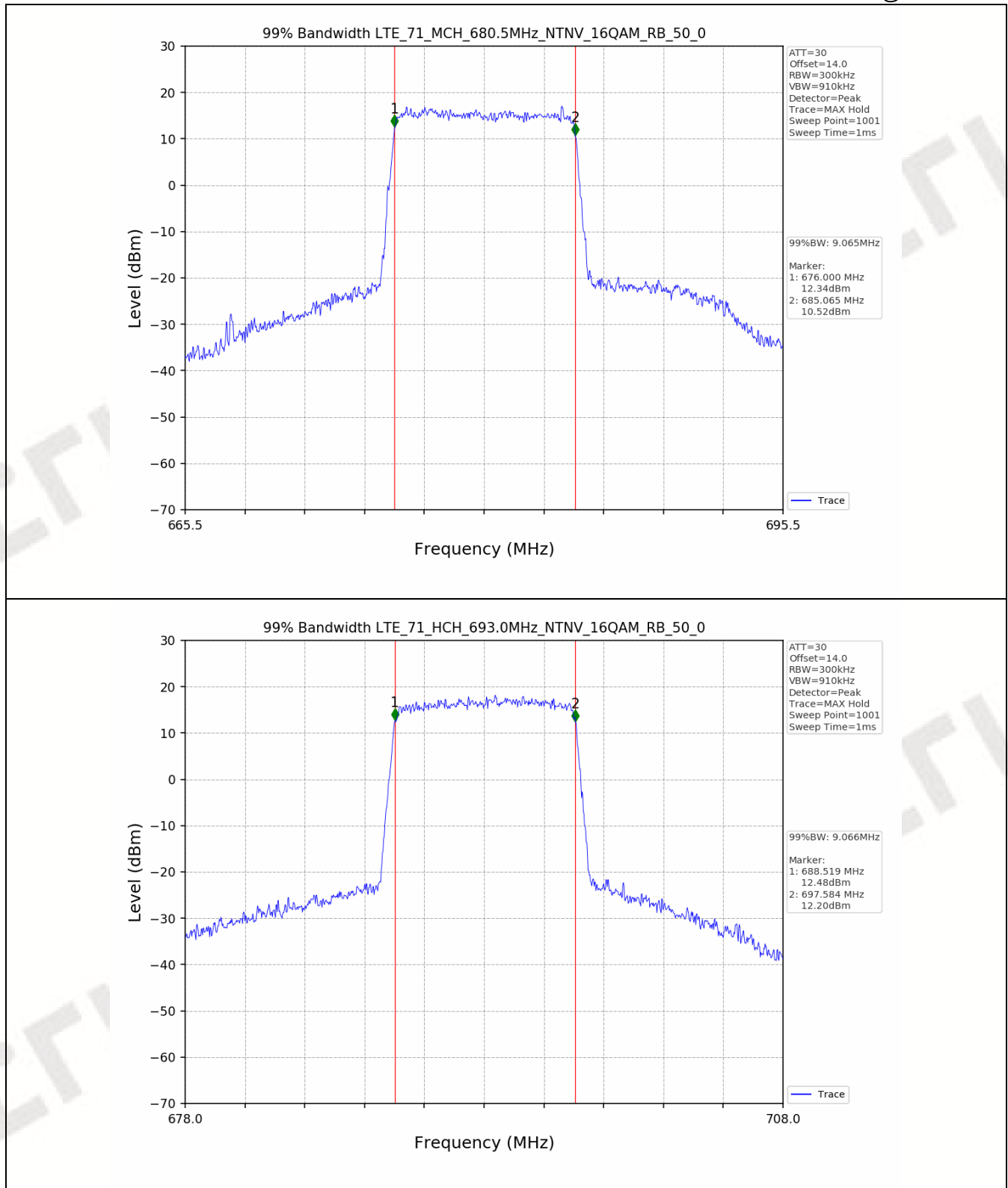


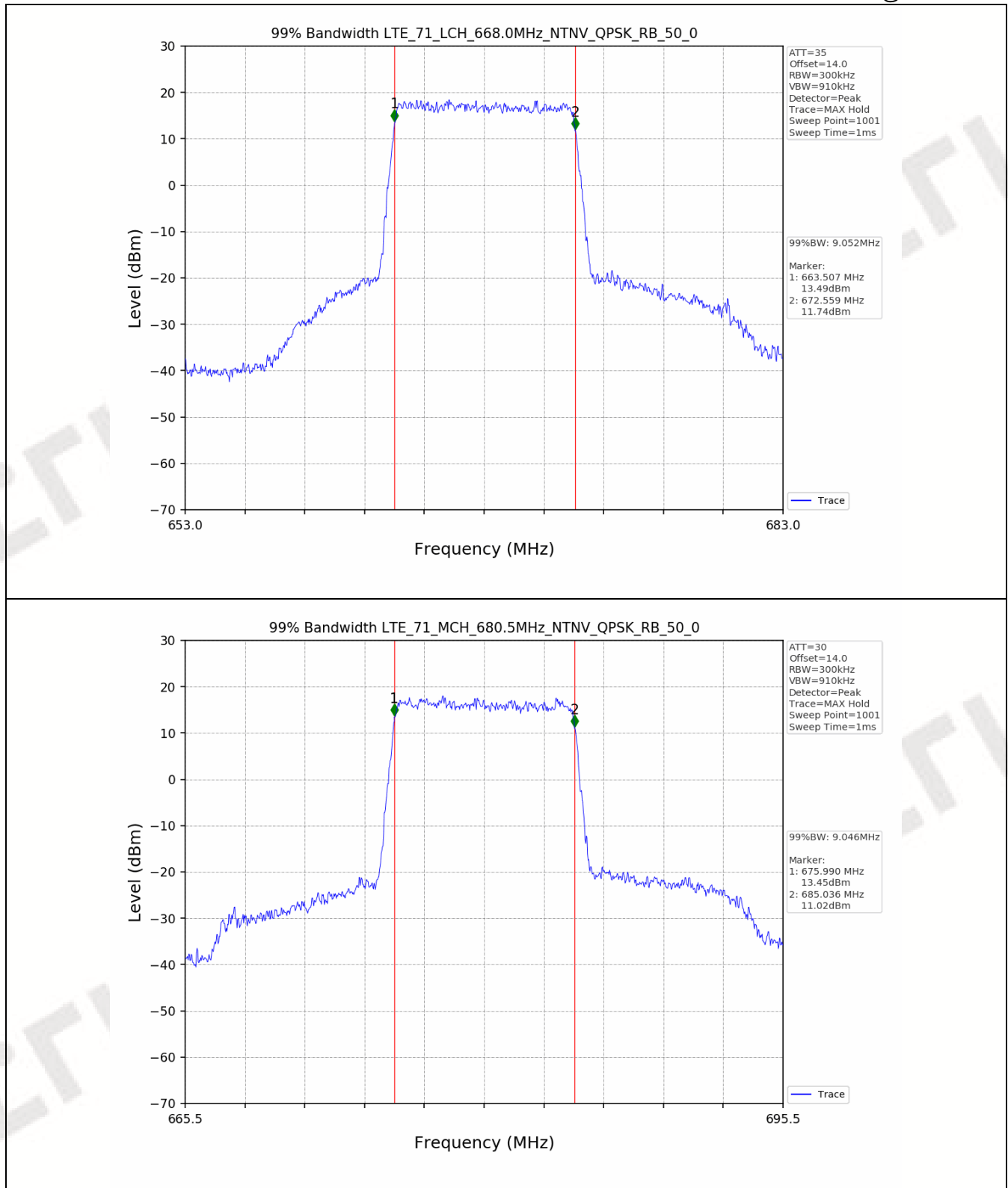


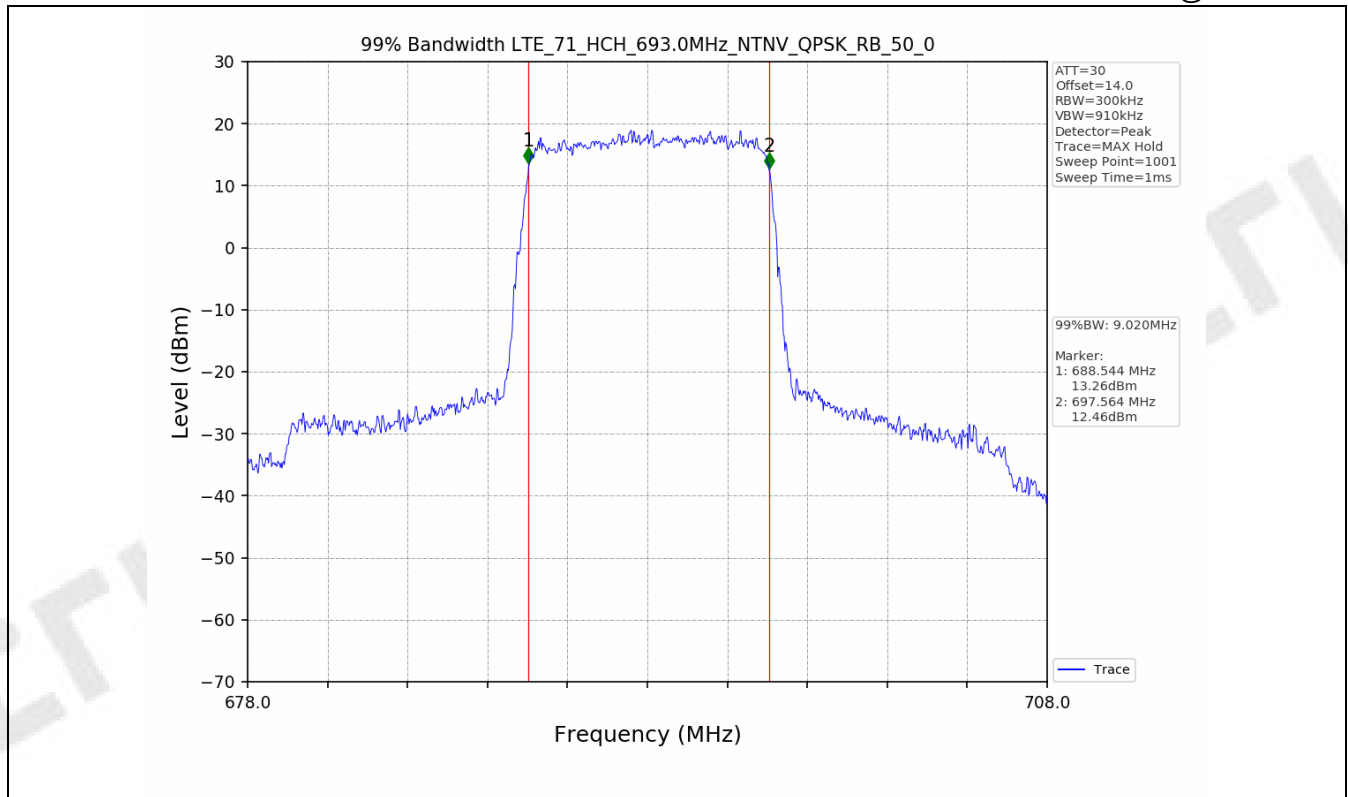
Test Band: 71_10MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	9.052	9.046	9.020	N/A	PASS
16QAM	50	0	9.041	9.065	9.066	N/A	PASS

4.2 Test Graph



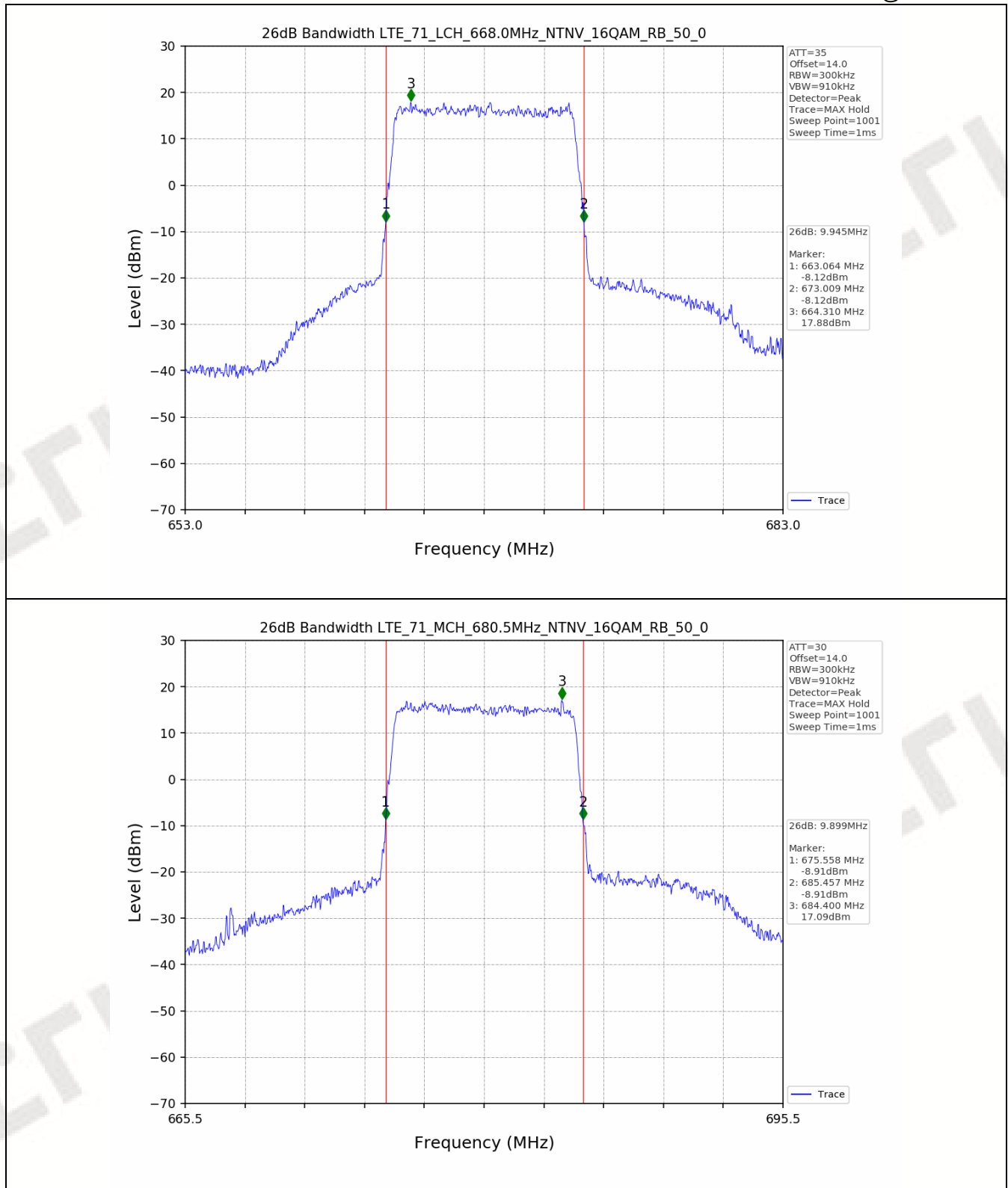


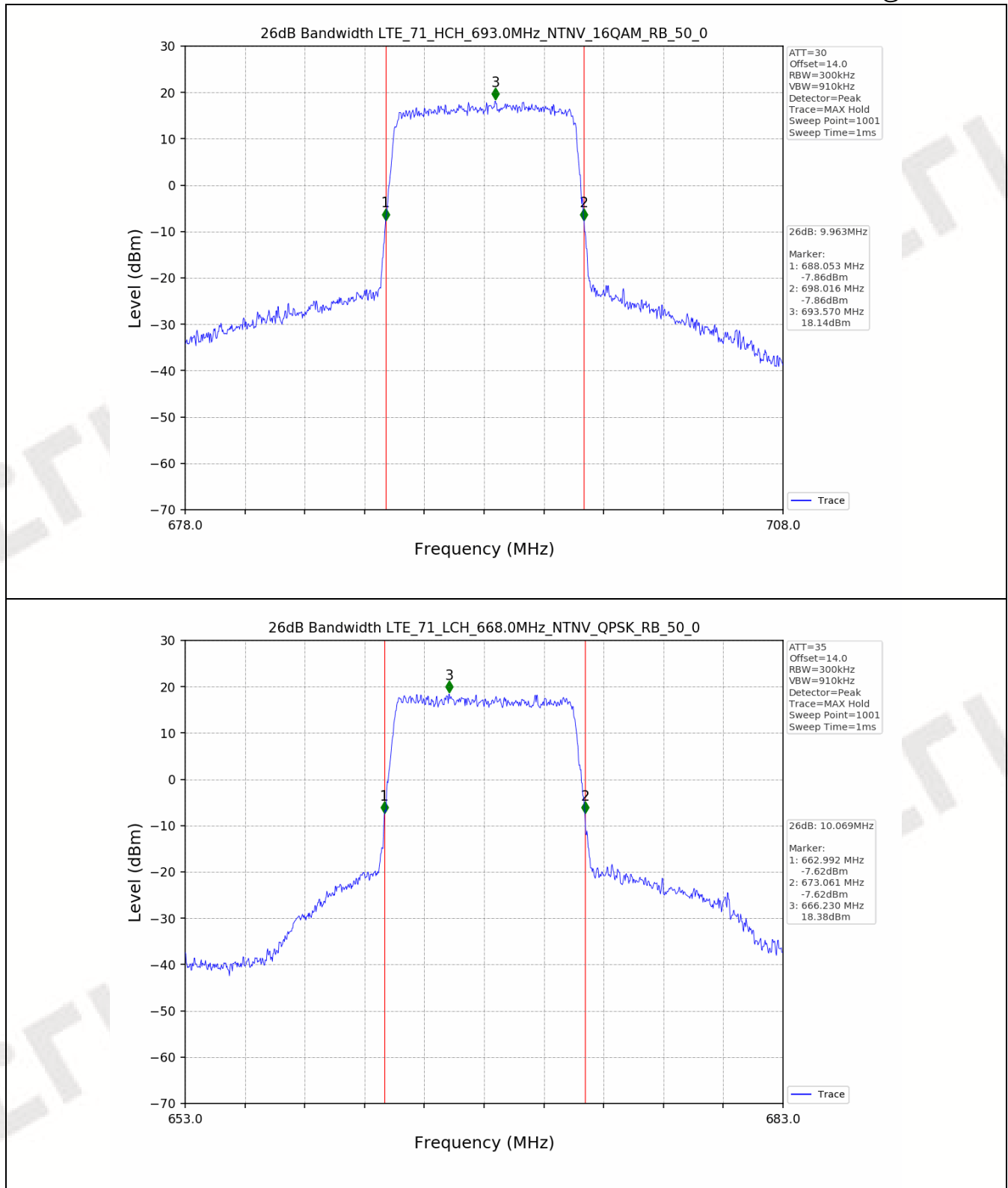


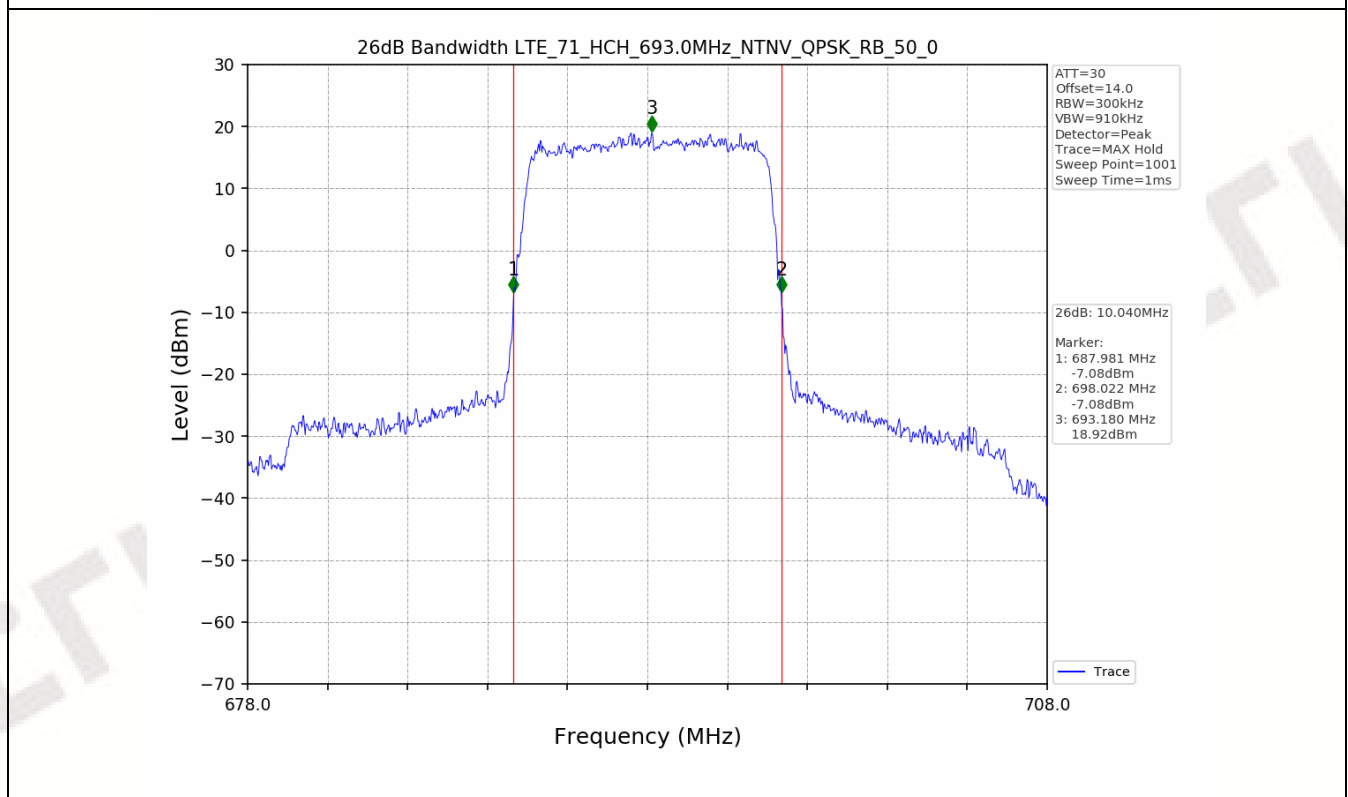
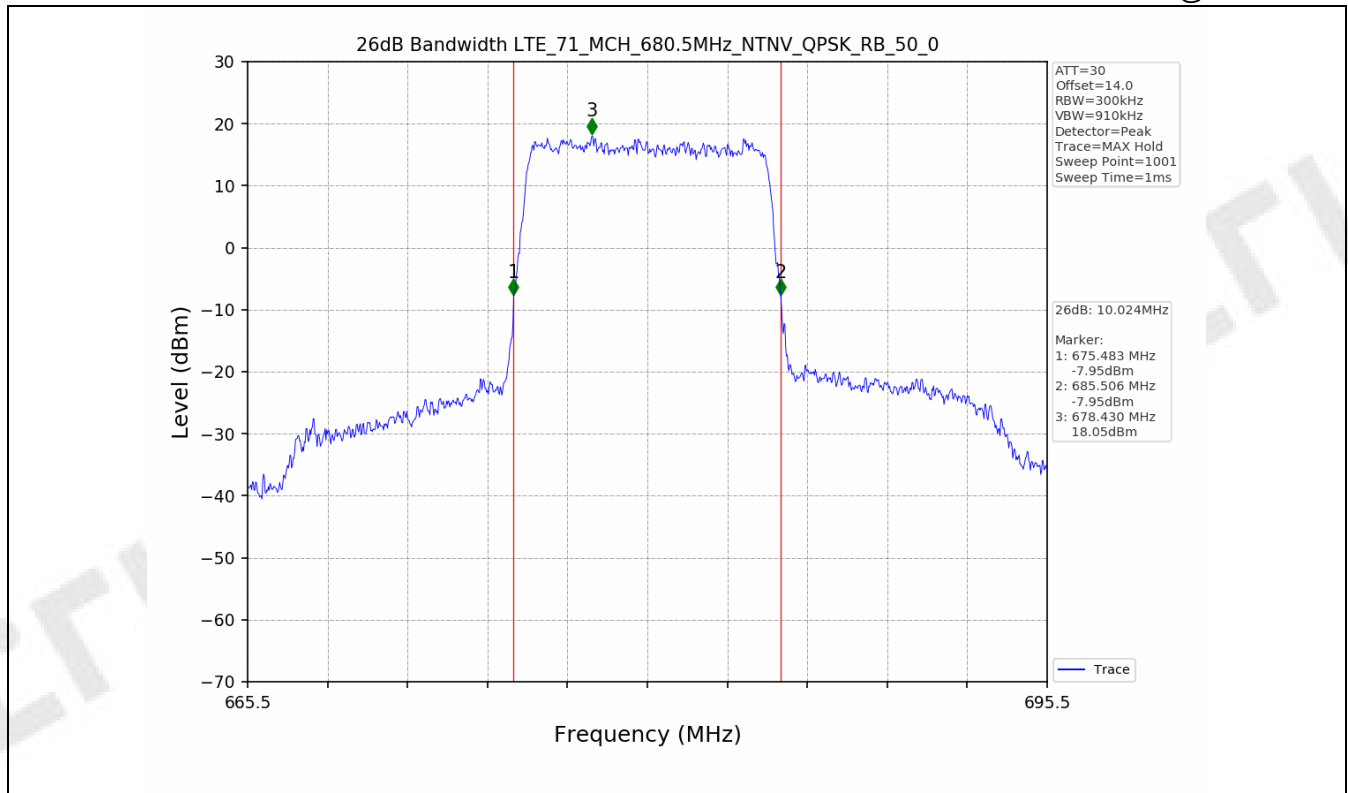


Test Band: 71_10MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	10.069	10.024	10.040	N/A	PASS
16QAM	50	0	9.945	9.899	9.963	N/A	PASS

4.2 Test Graph



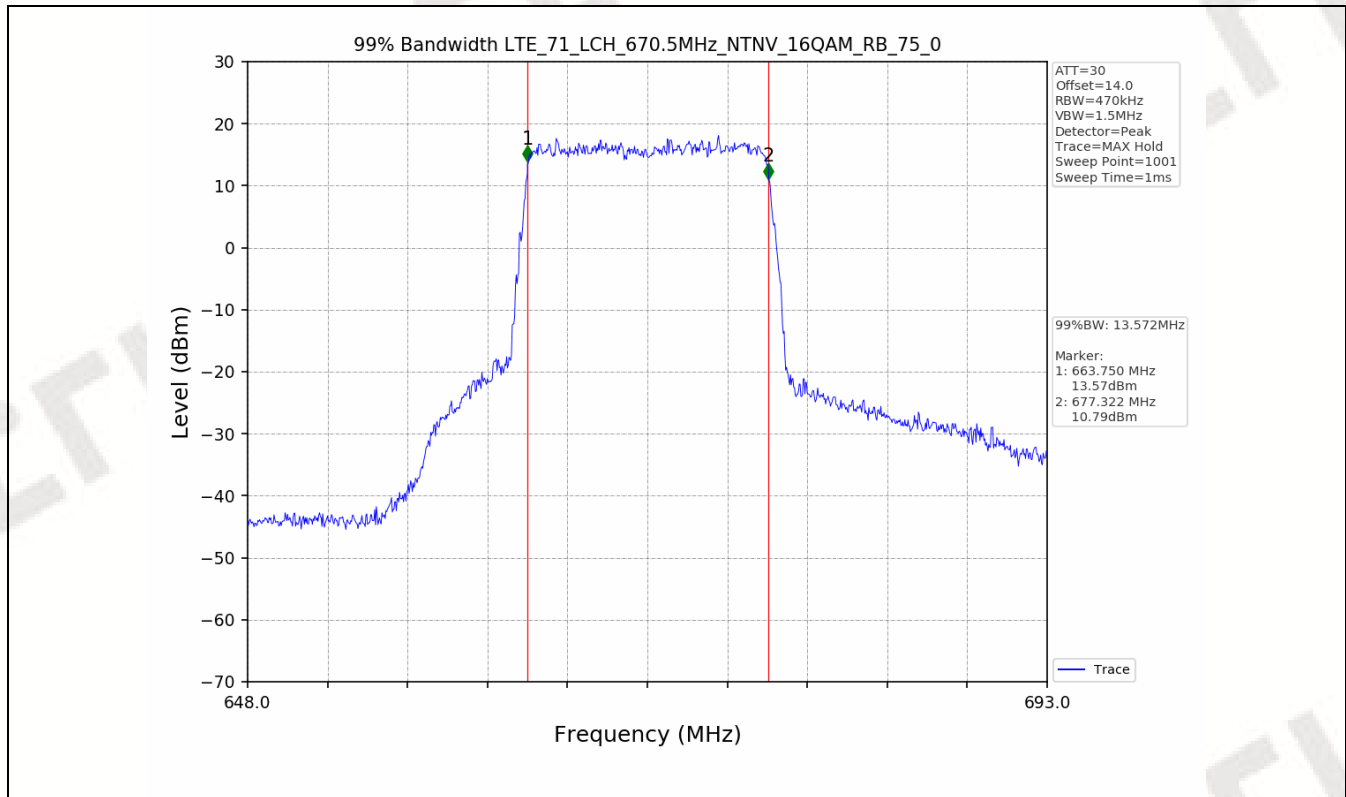


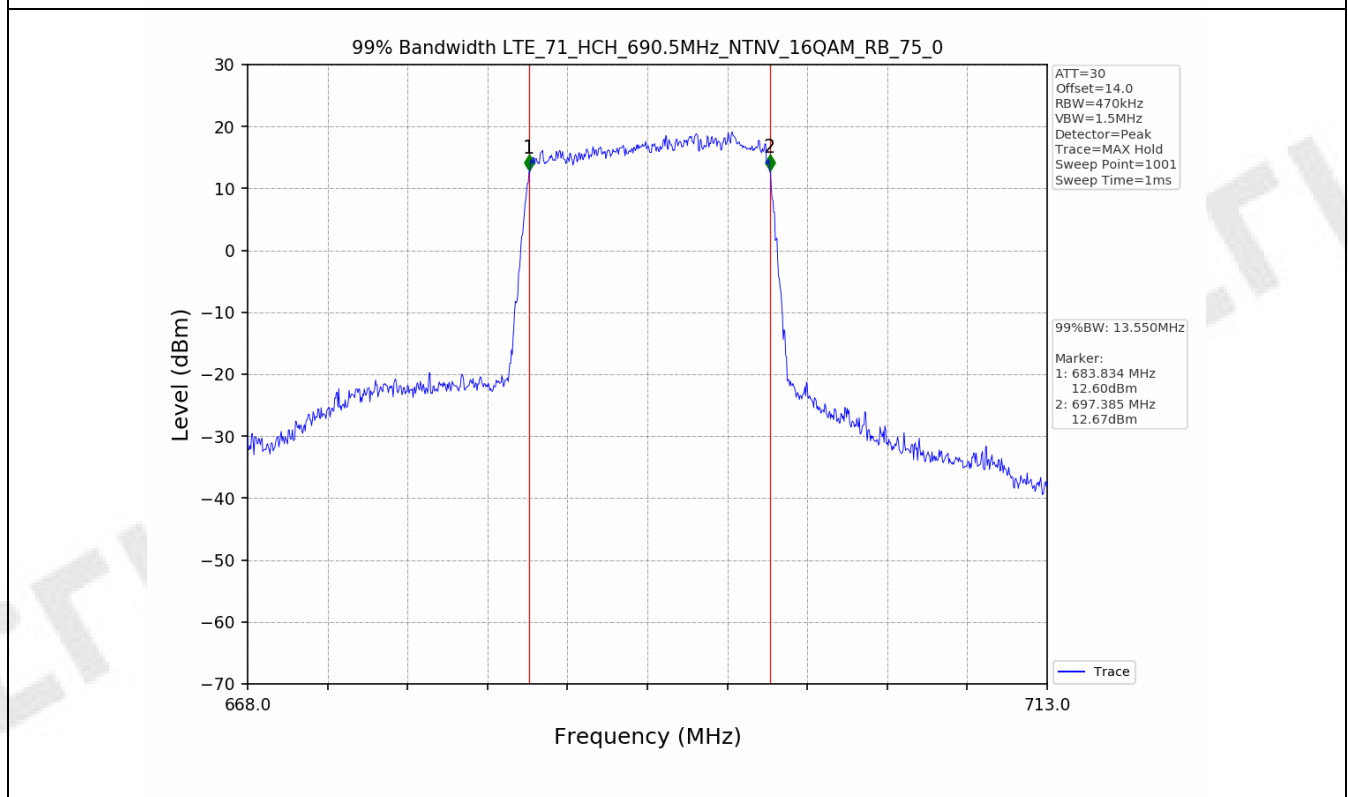
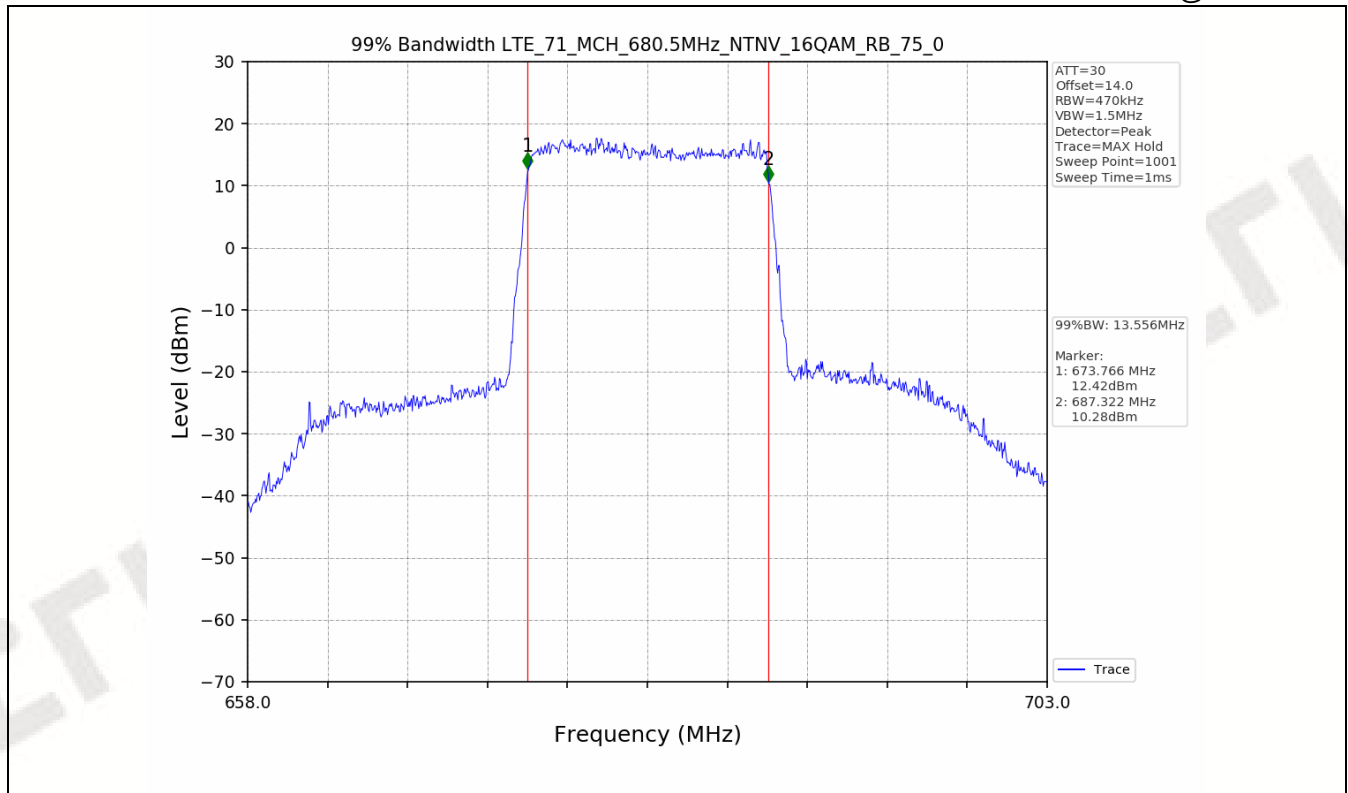


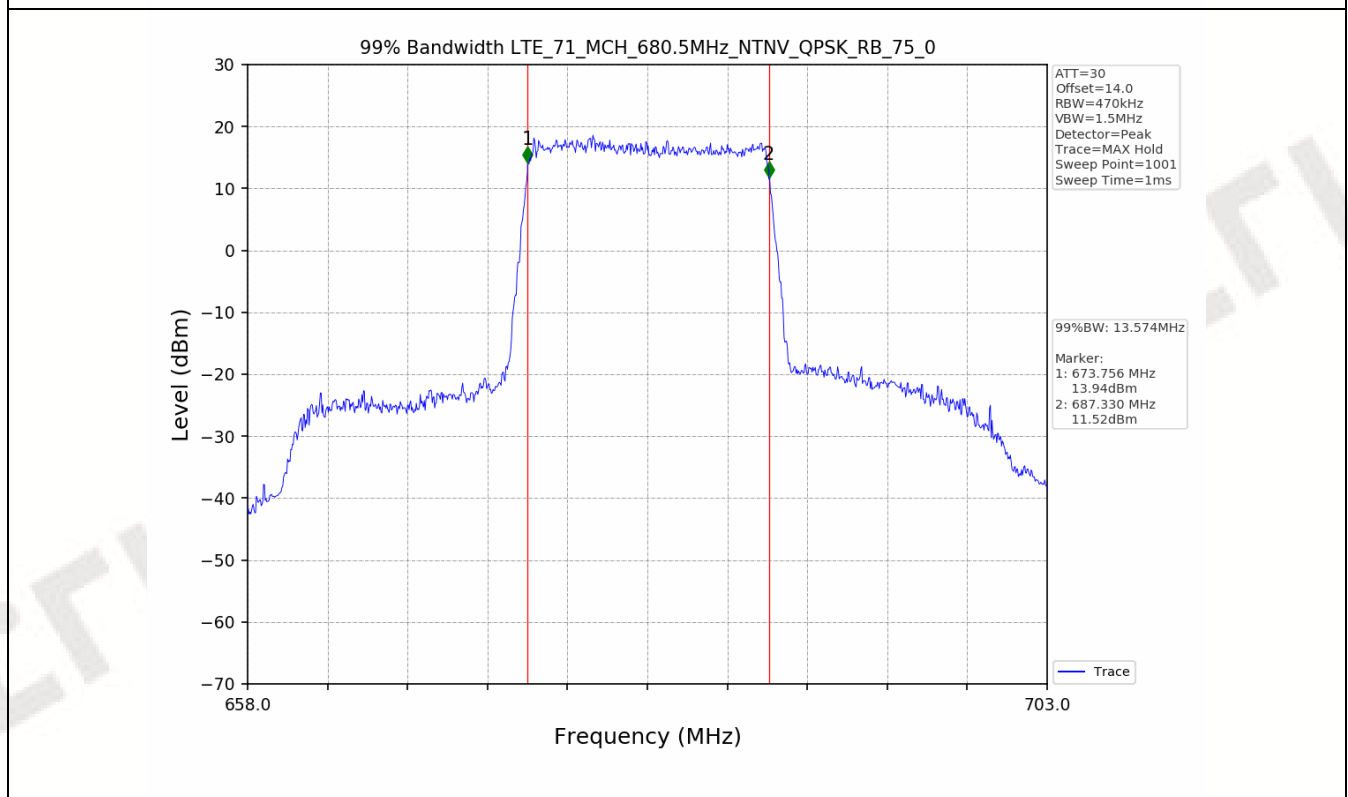
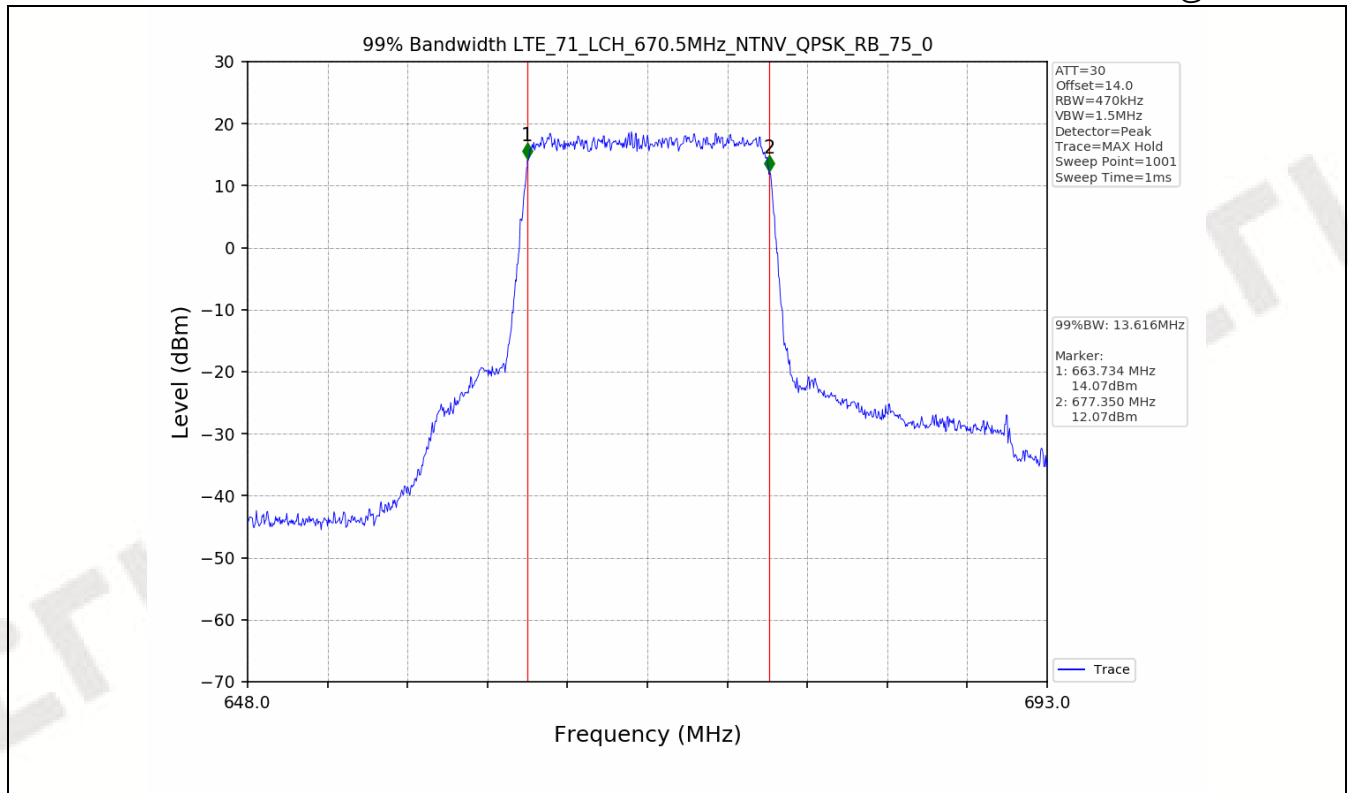


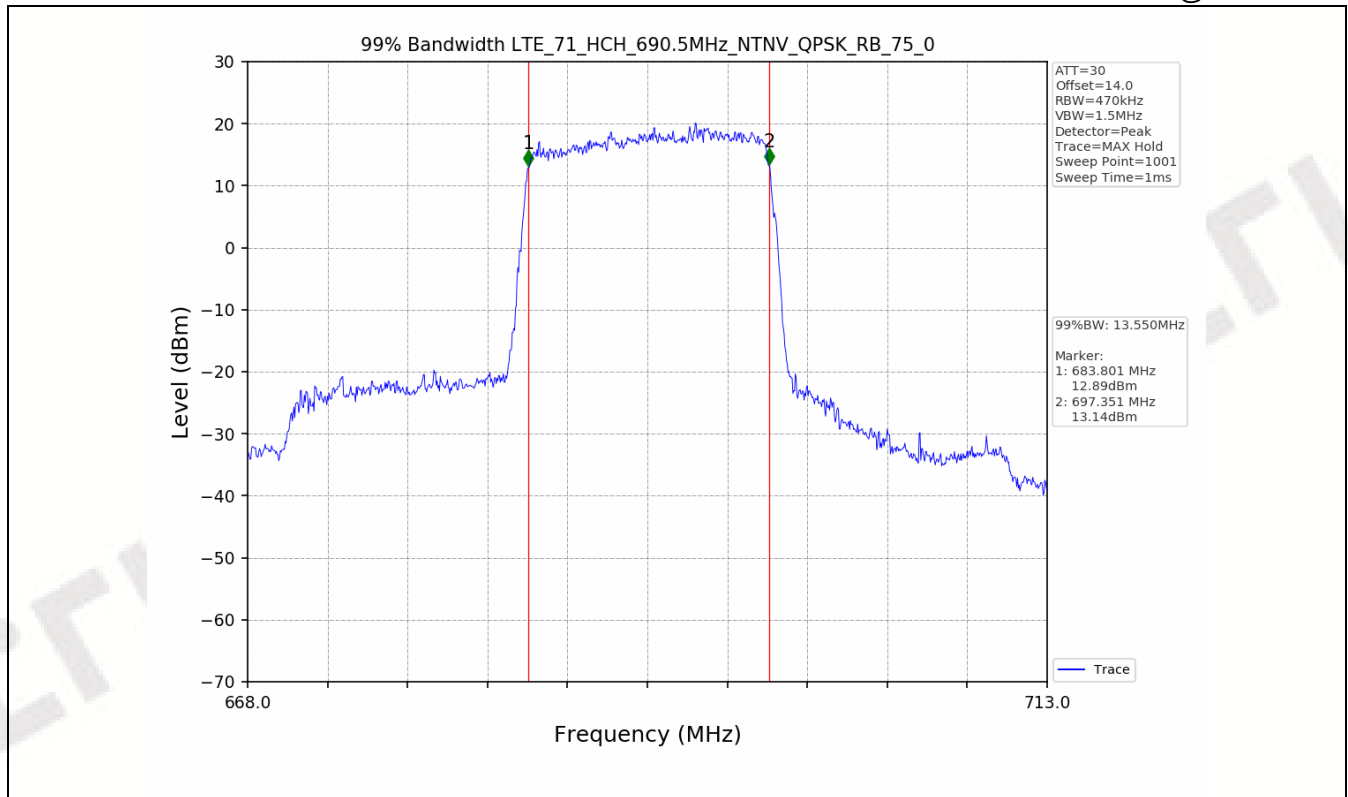
Test Band: 71_15MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	13.616	13.574	13.550	N/A	PASS
16QAM	75	0	13.572	13.556	13.550	N/A	PASS

4.2 Test Graph



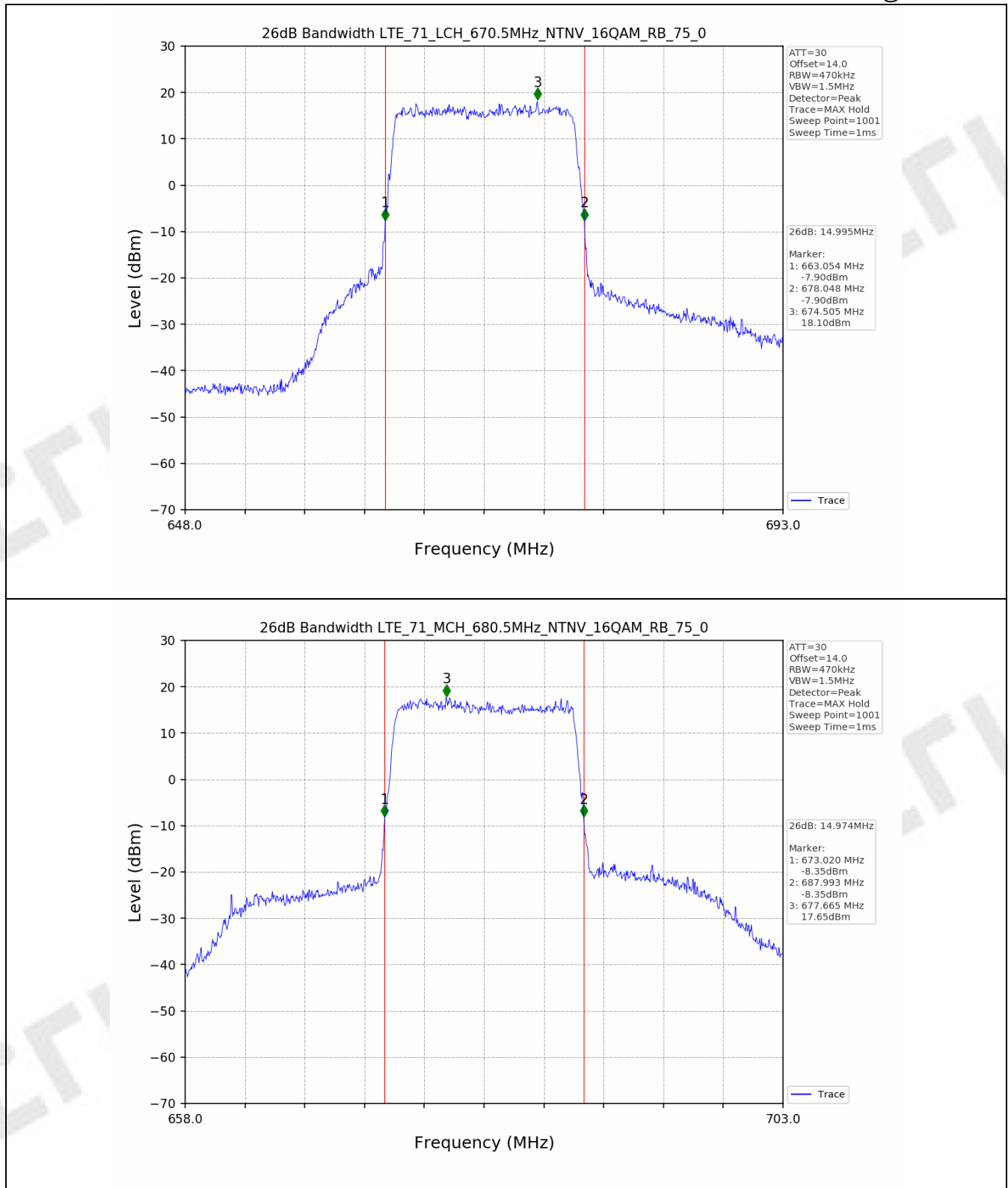


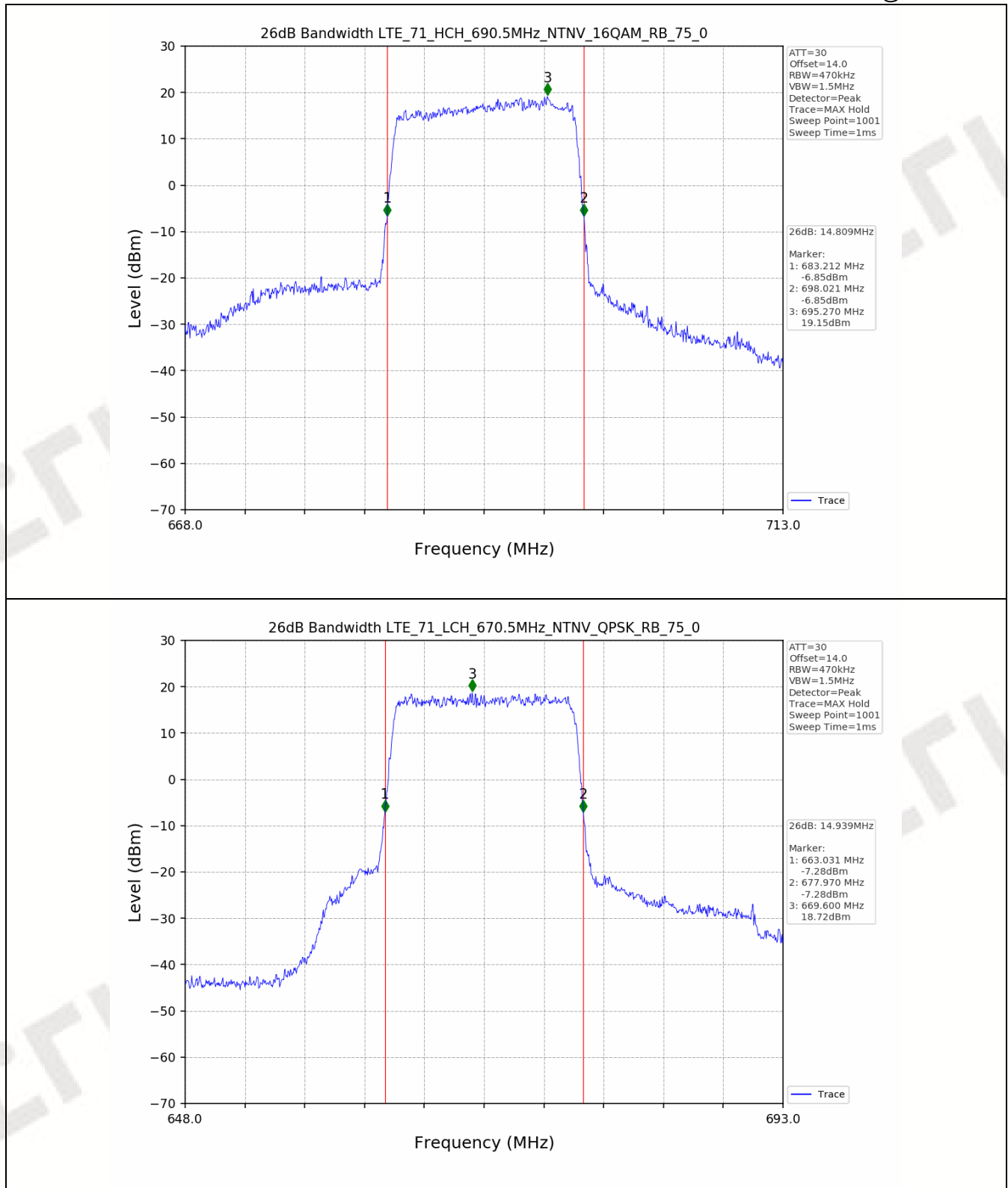


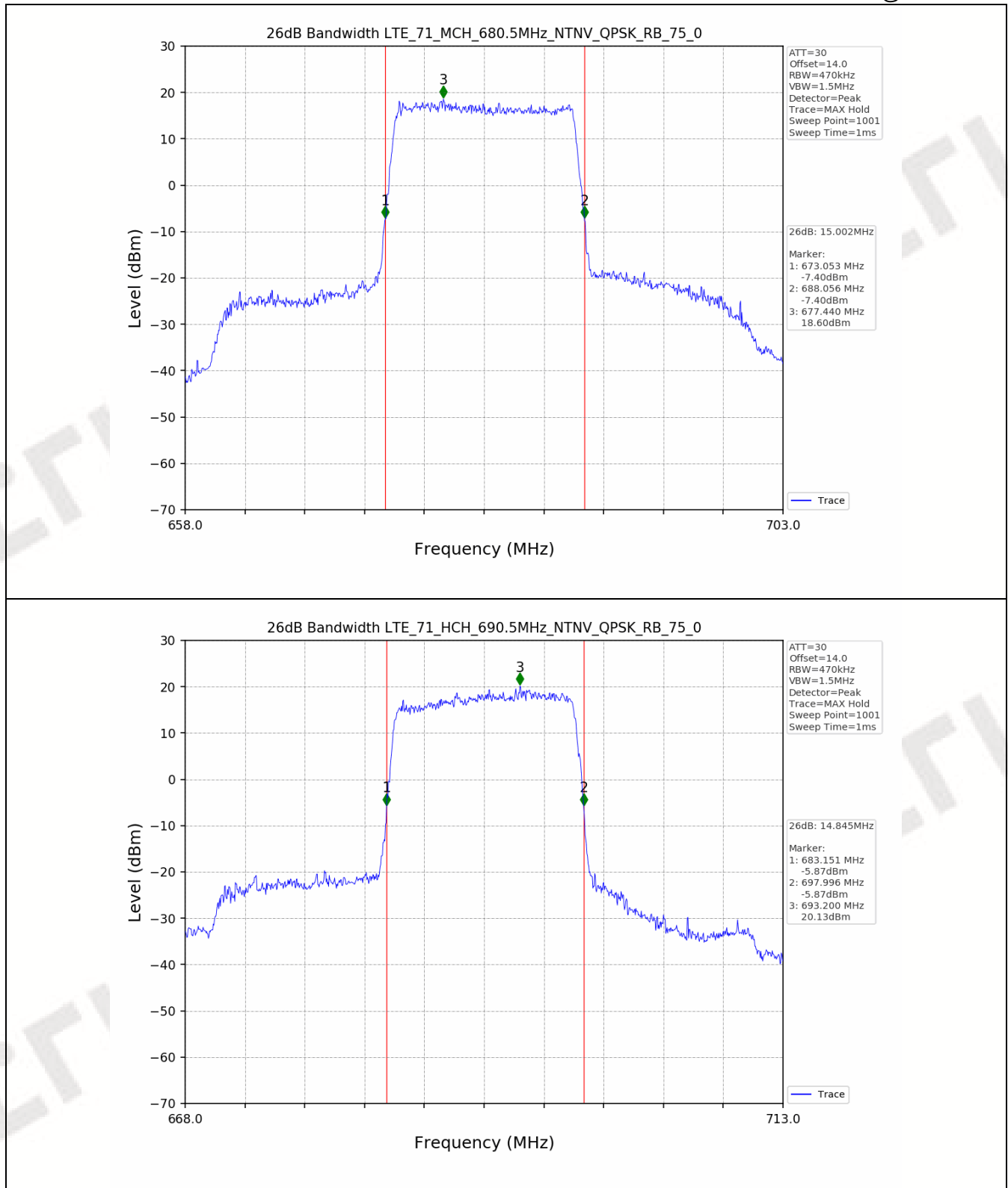


Test Band: 71_15MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	75	0	14.939	15.002	14.845	N/A	PASS
16QAM	75	0	14.995	14.974	14.809	N/A	PASS

4.2 Test Graph



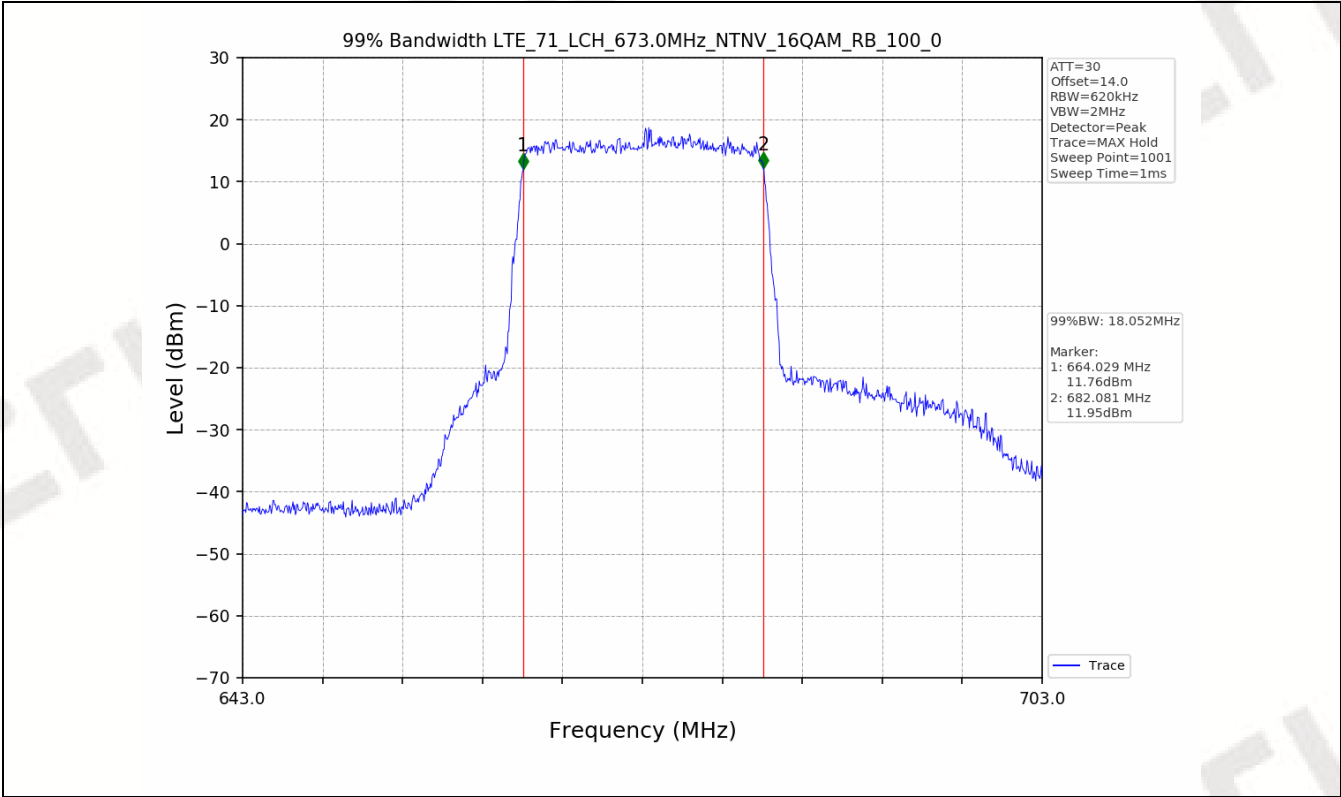


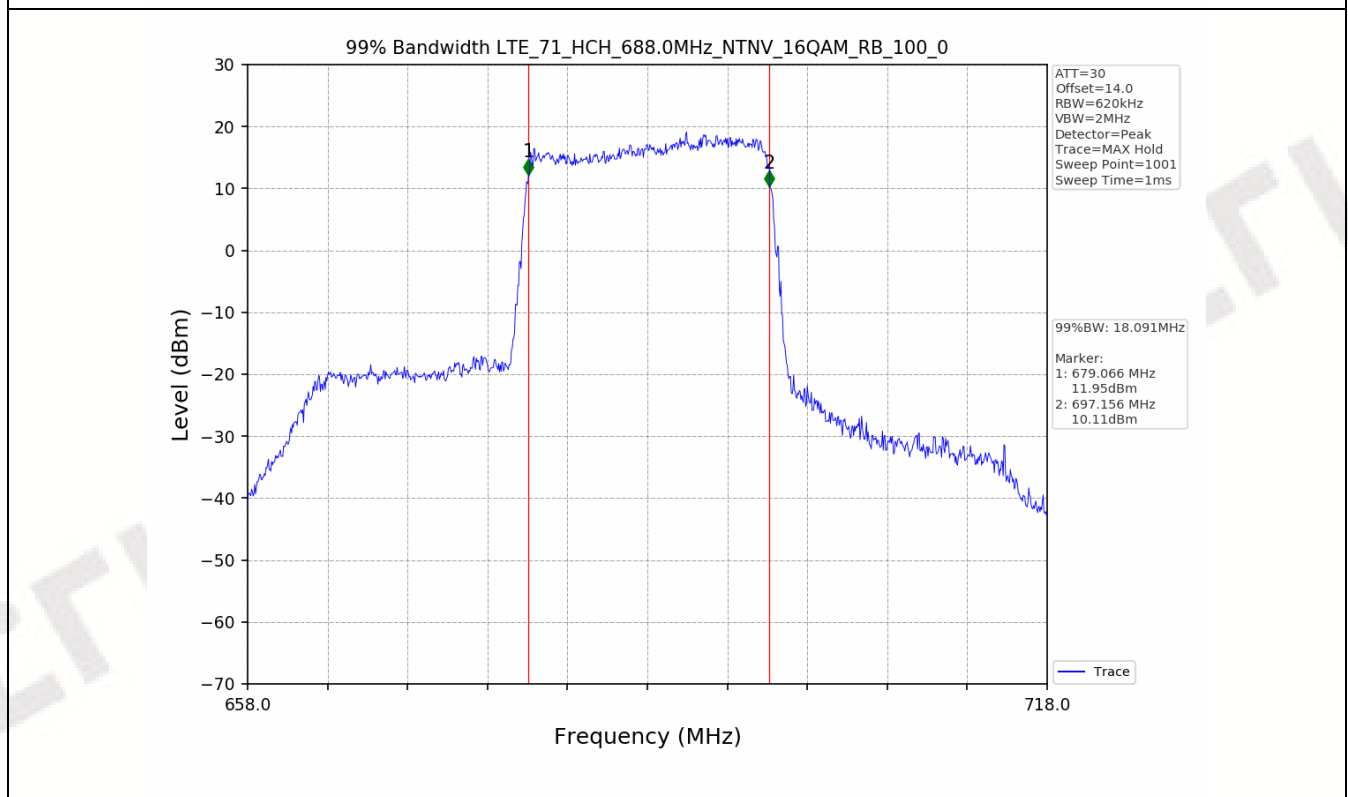
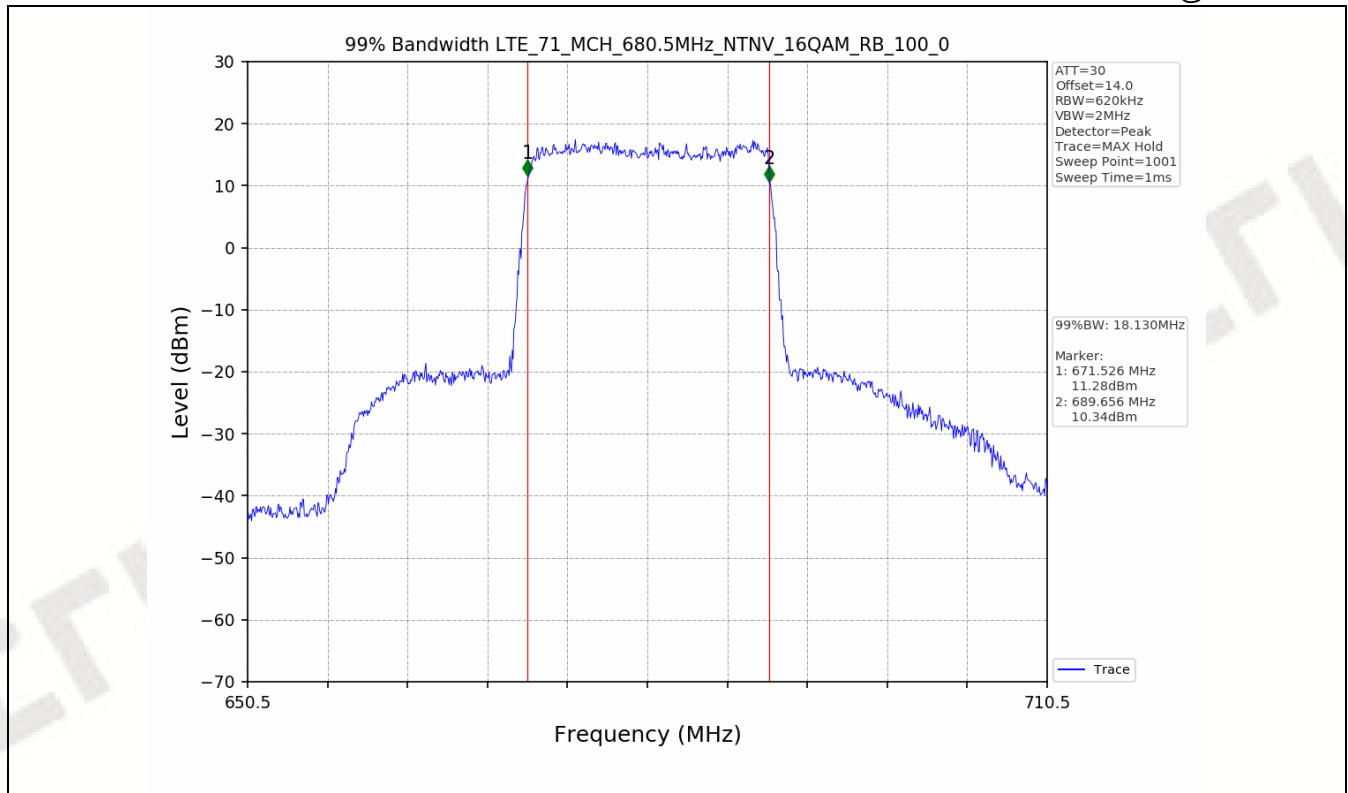


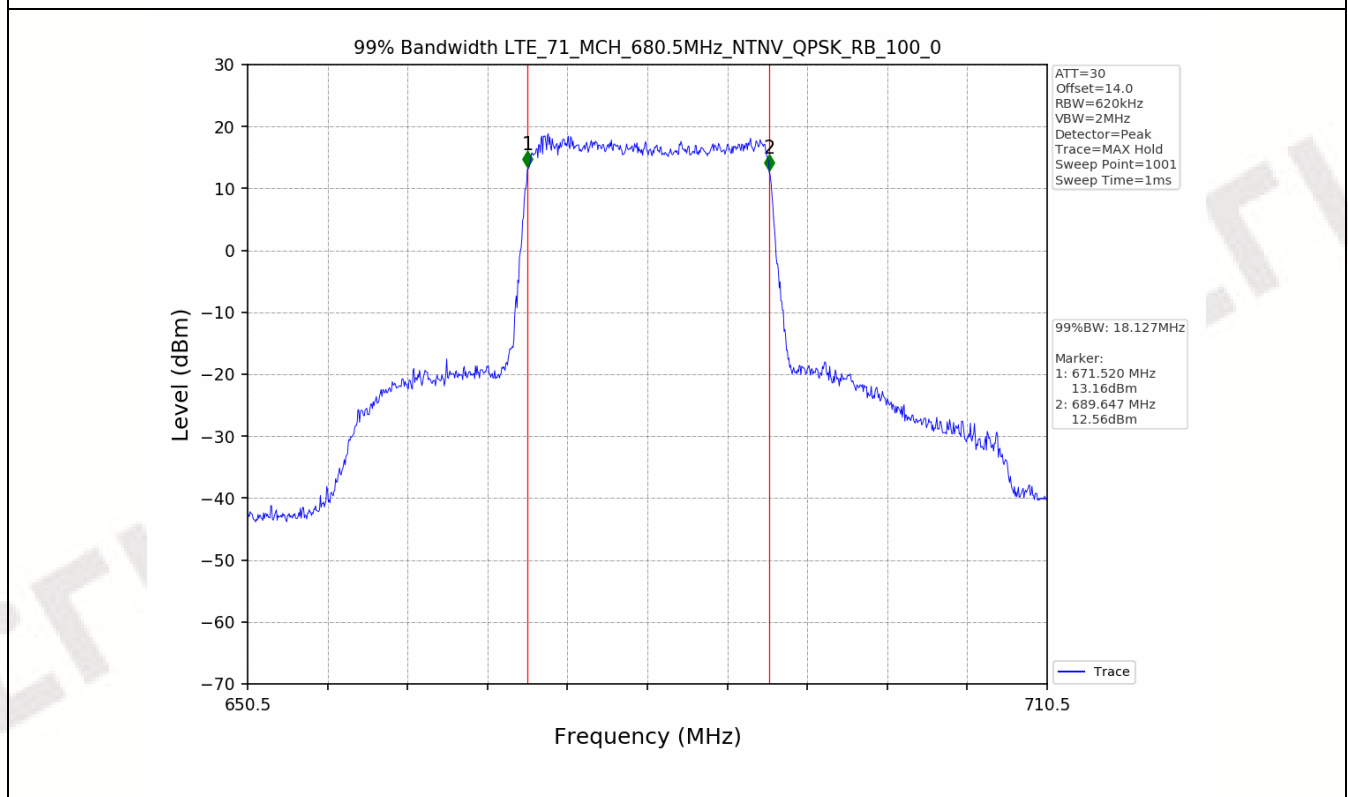
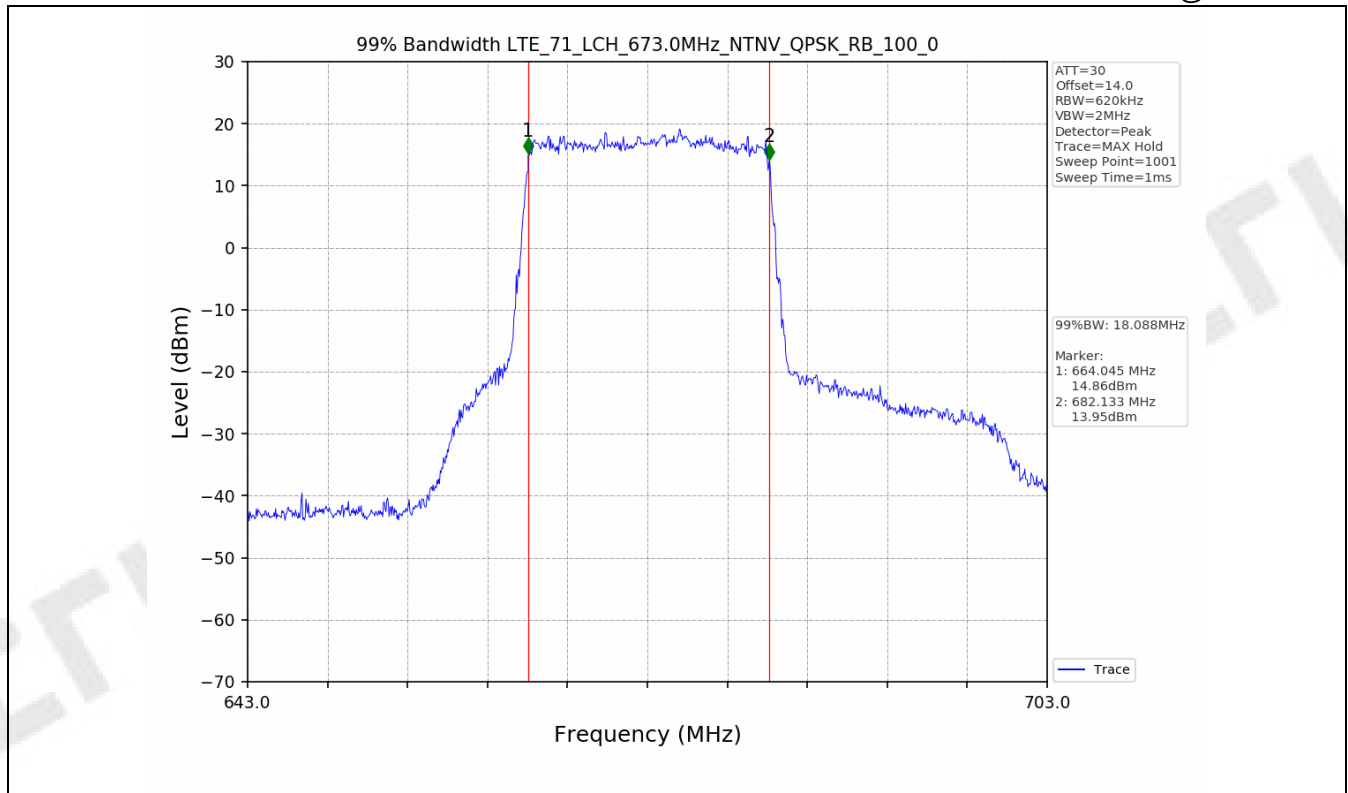


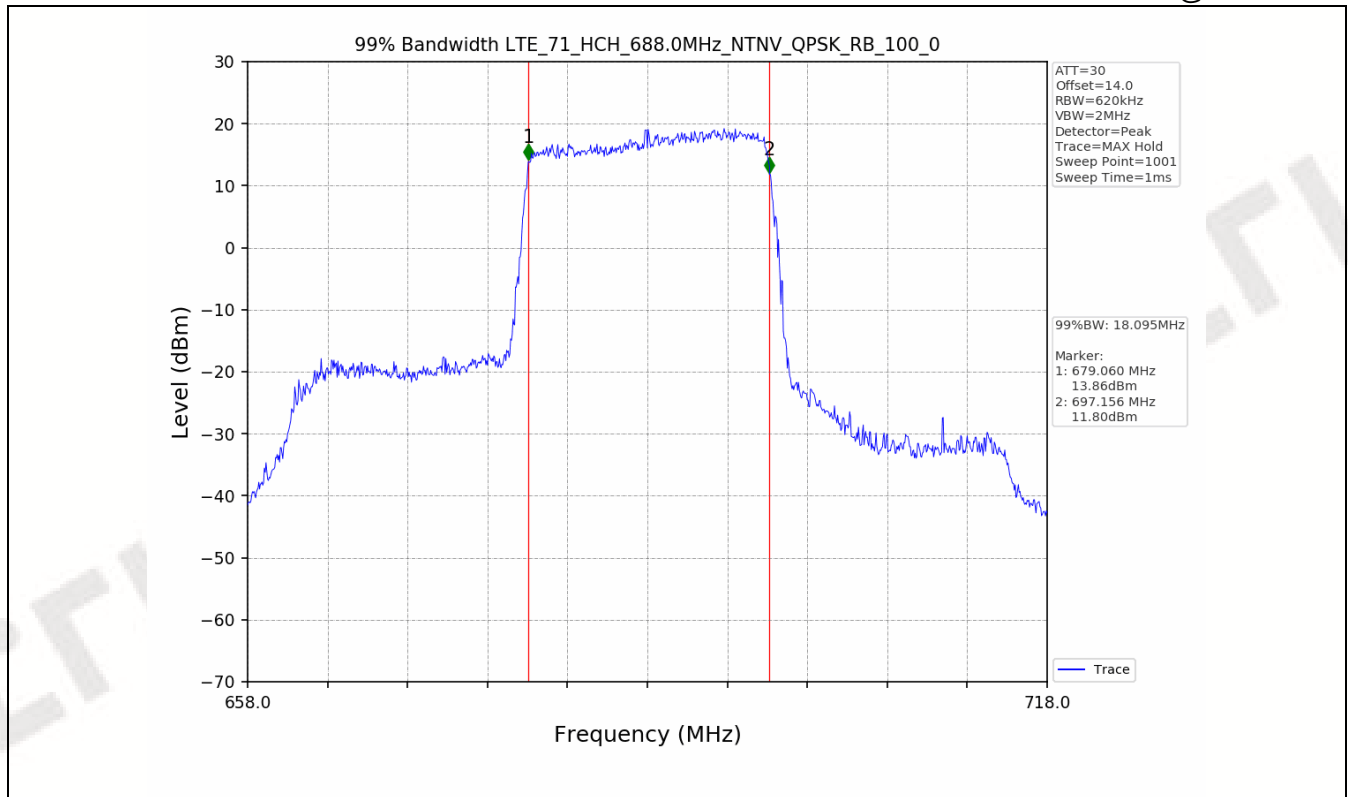
Test Band: 71_20MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	18.088	18.127	18.095	N/A	PASS
16QAM	100	0	18.052	18.130	18.091	N/A	PASS

4.2 Test Graph



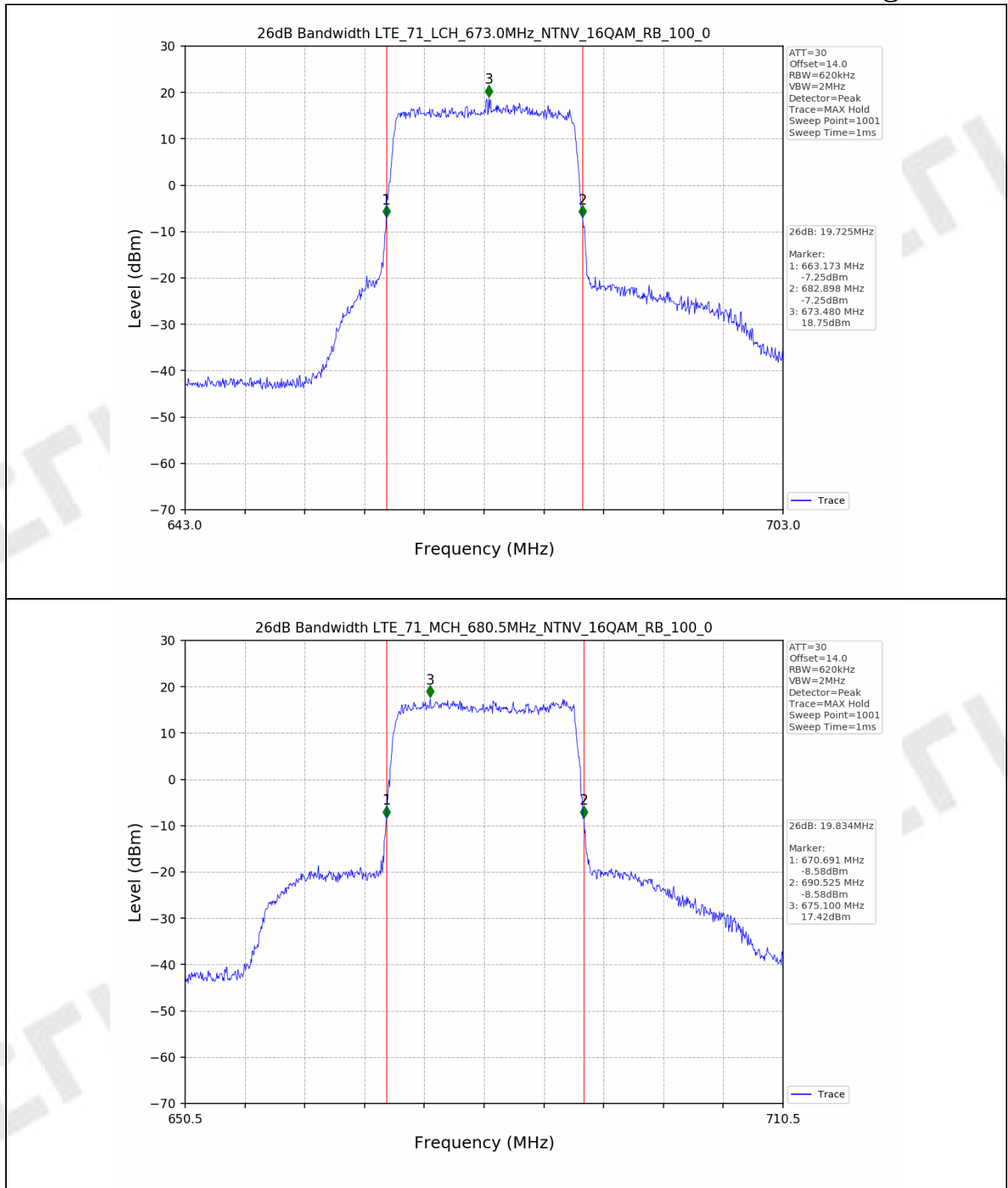


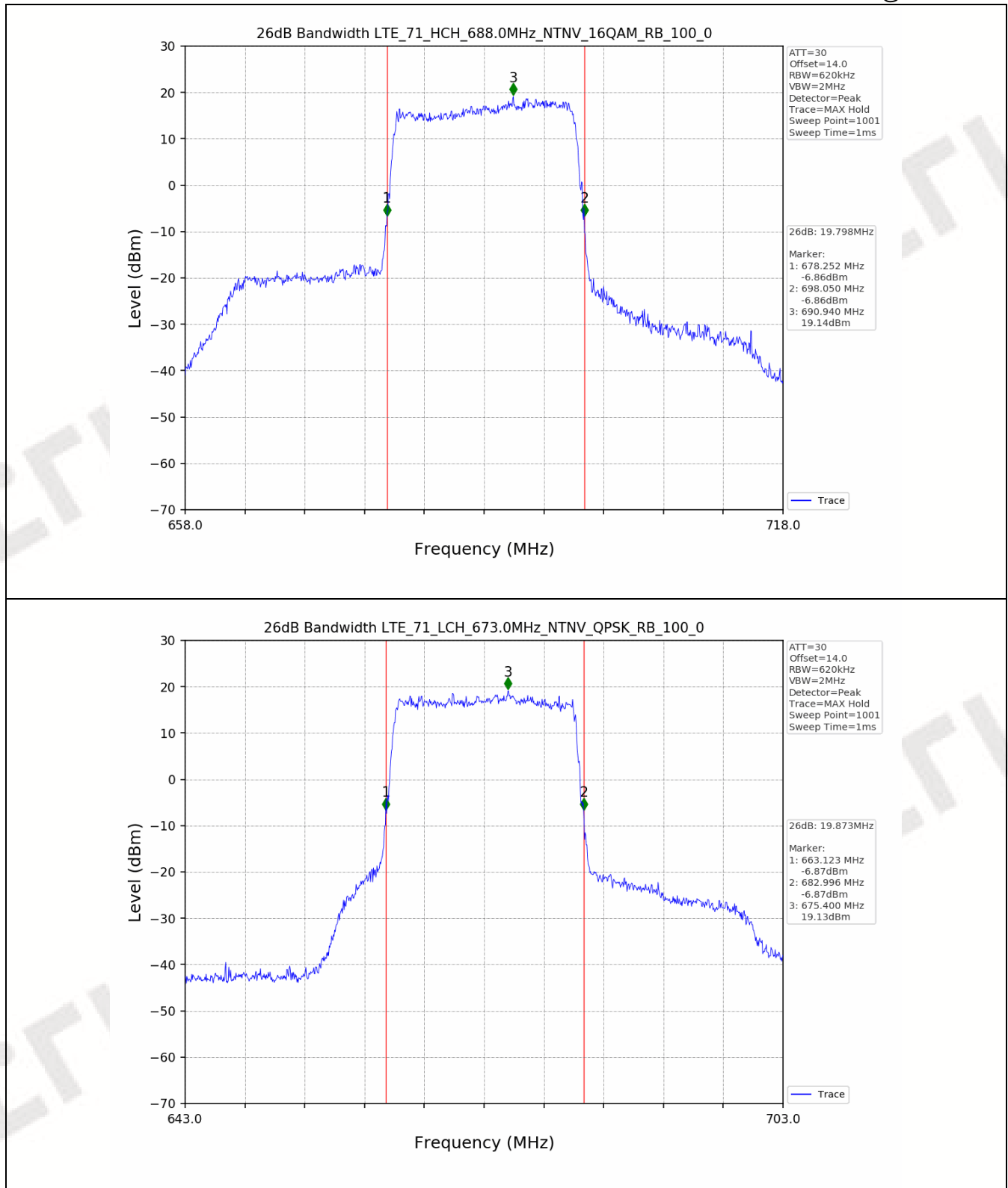


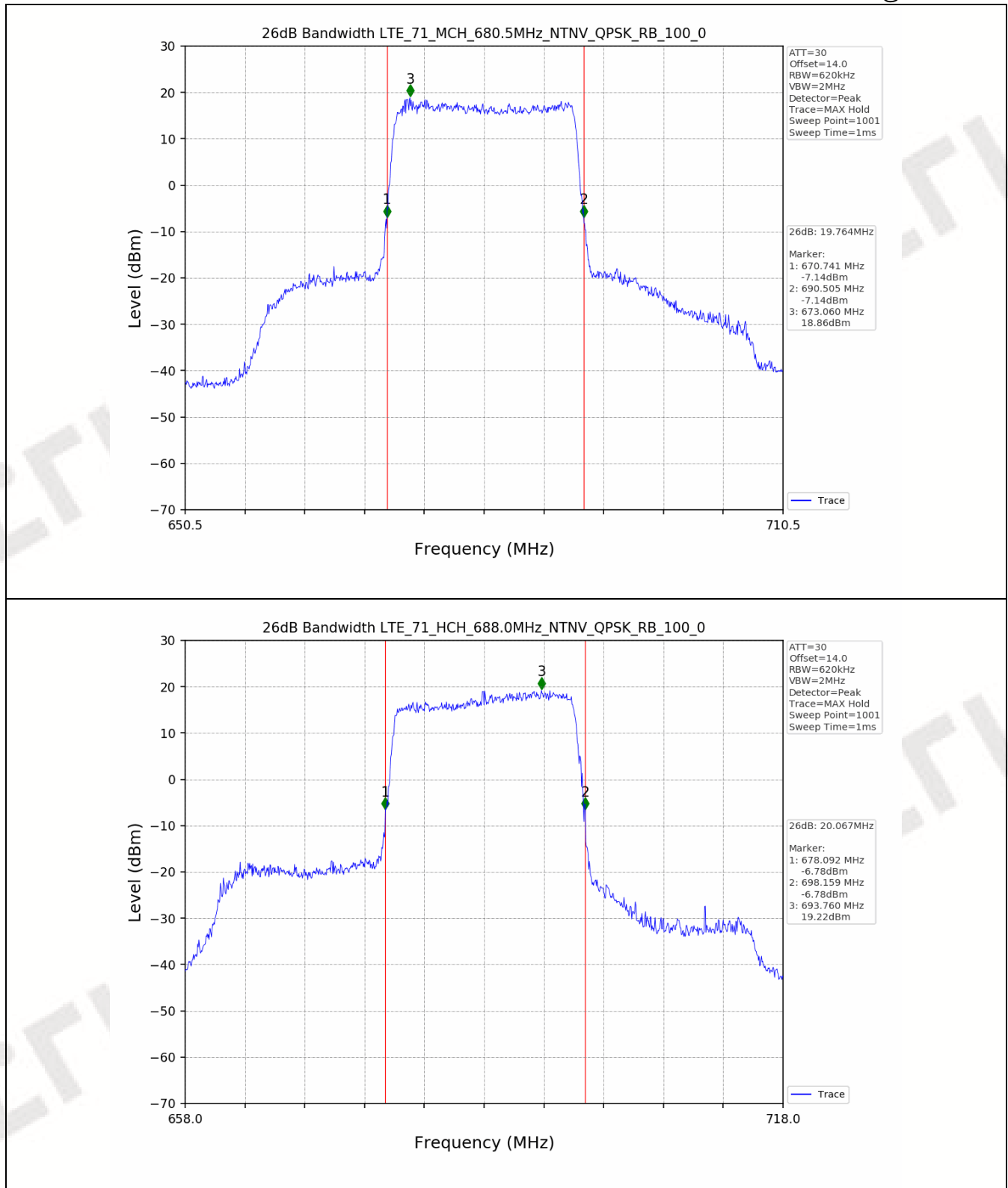


Test Band: 71_20MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	100	0	19.873	19.764	20.067	N/A	PASS
16QAM	100	0	19.725	19.834	19.798	N/A	PASS

4.2 Test Graph







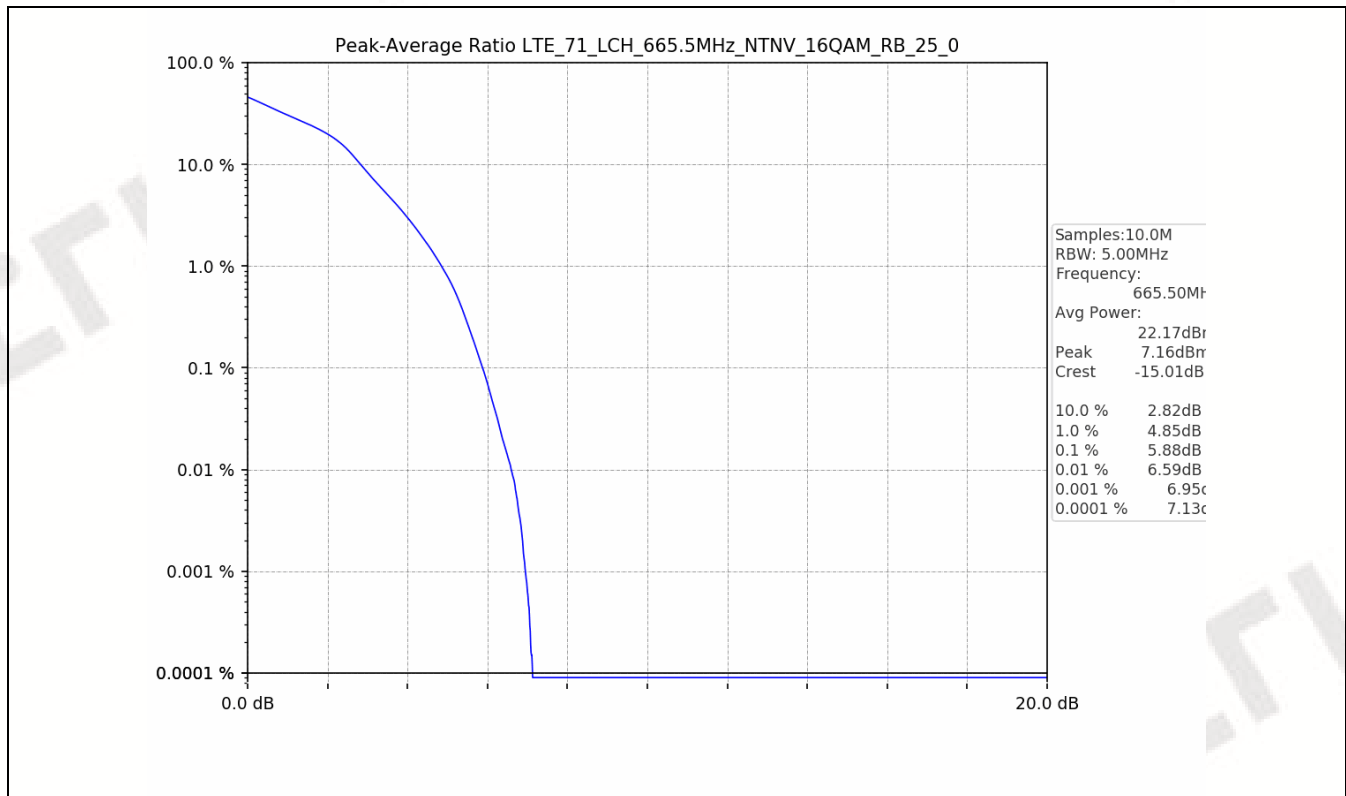


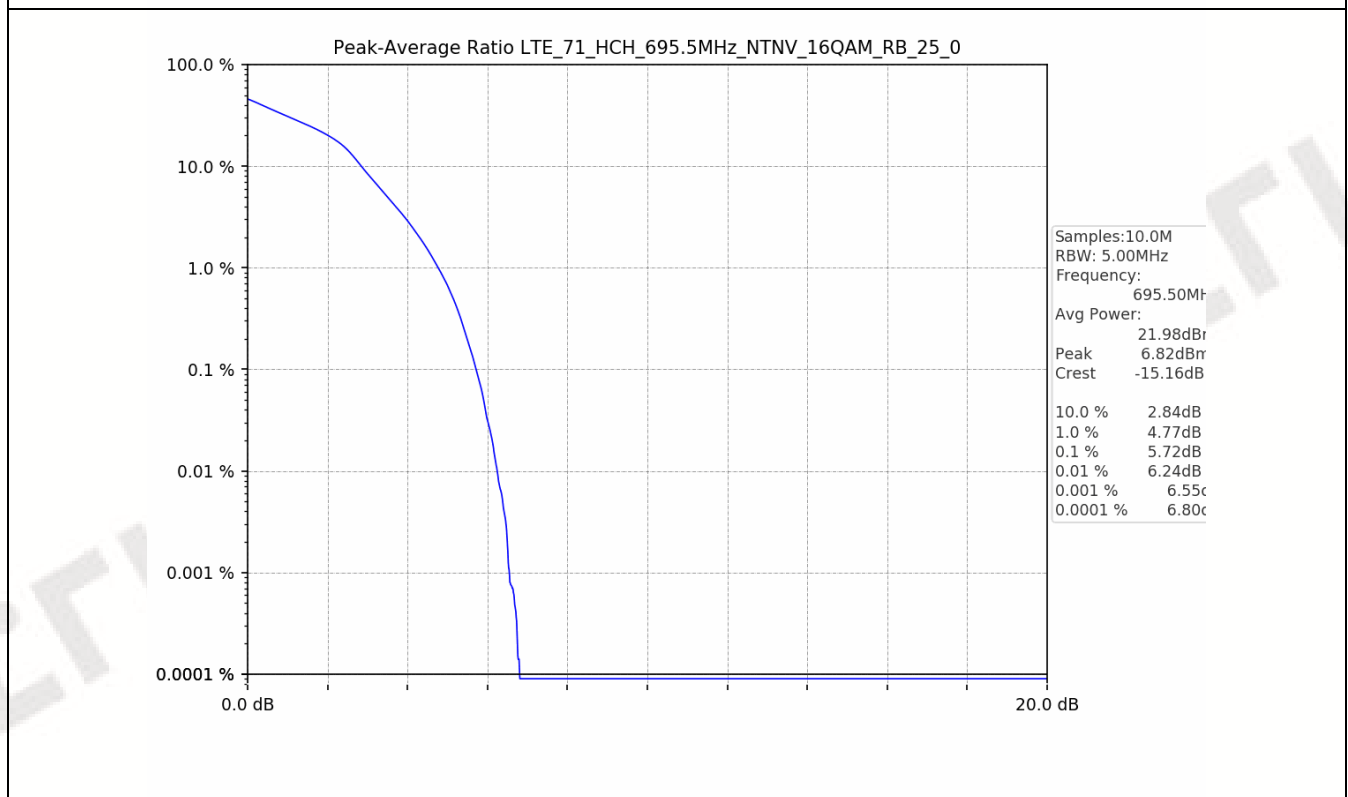
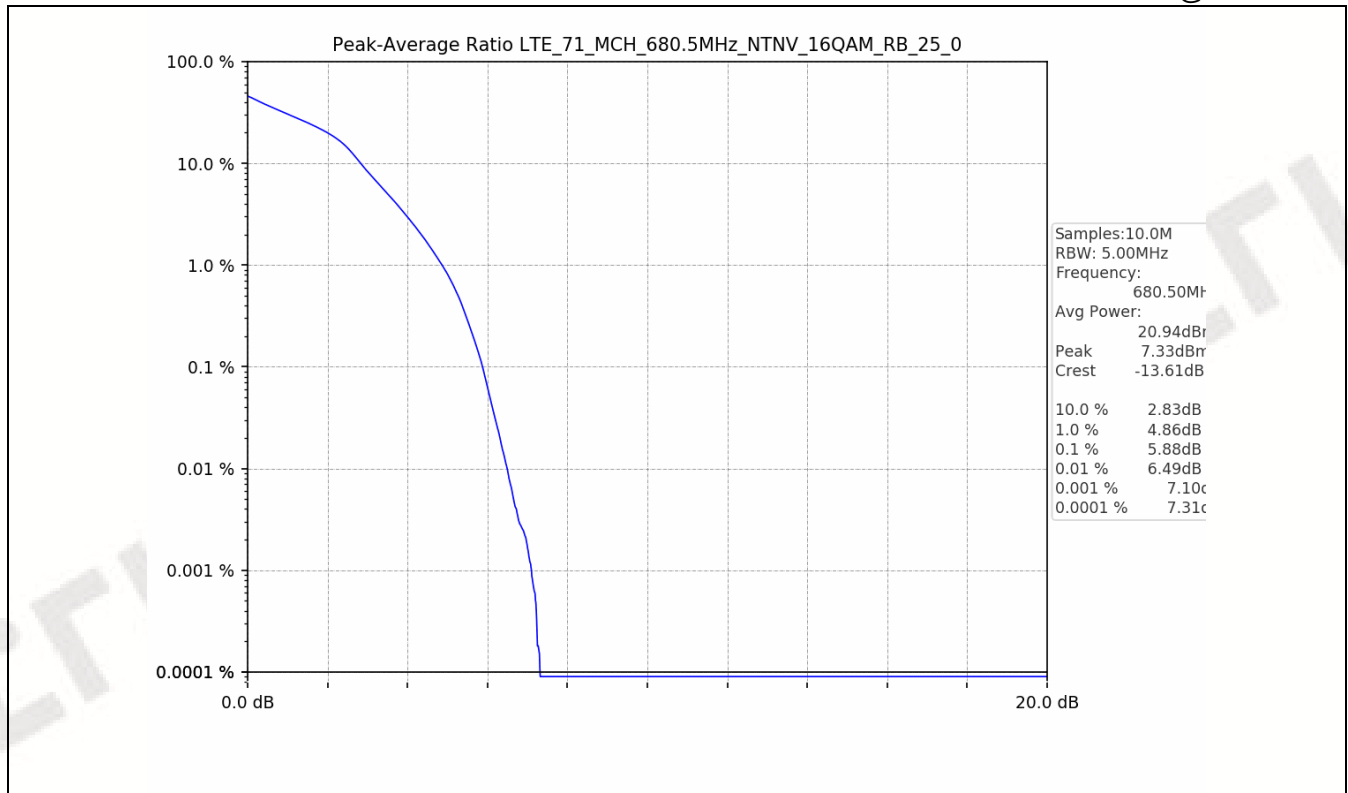
5. Peak-Average Ratio

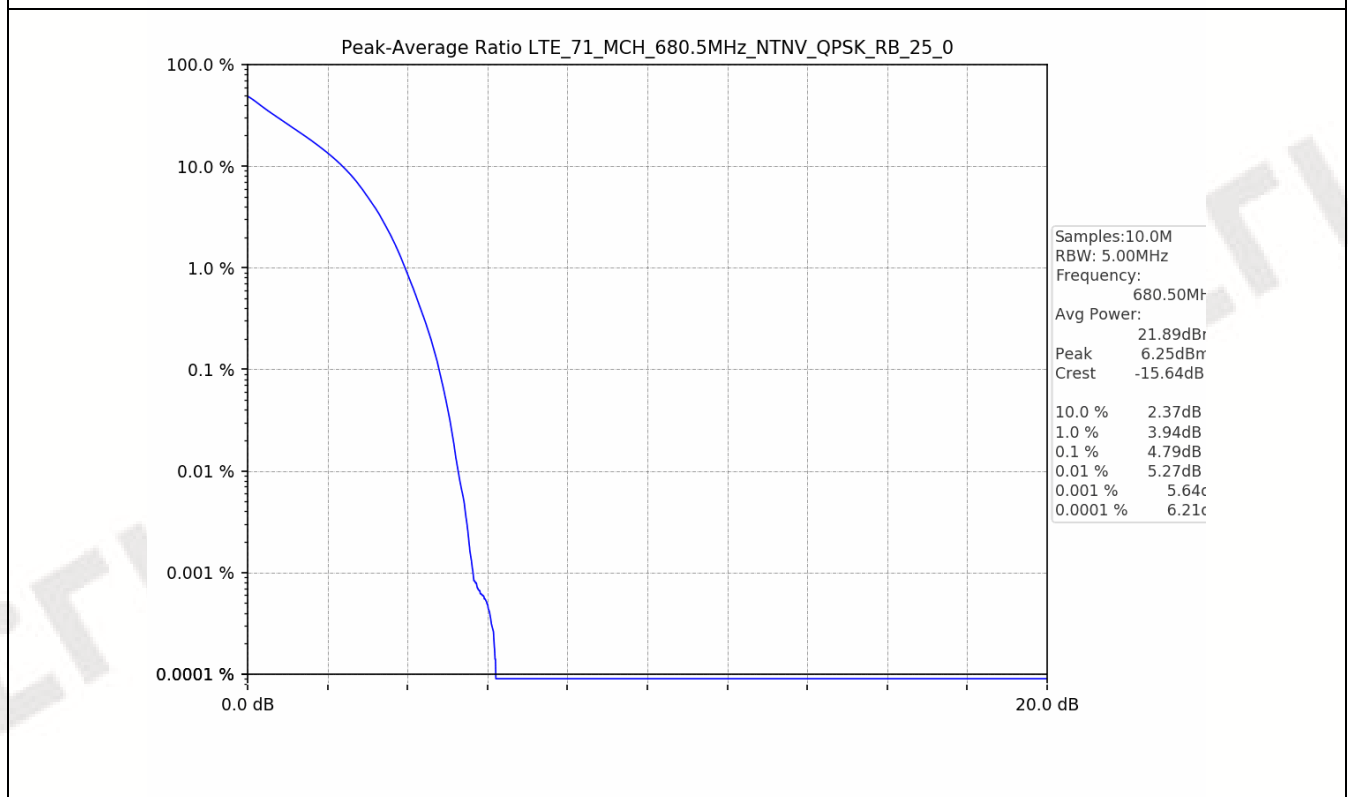
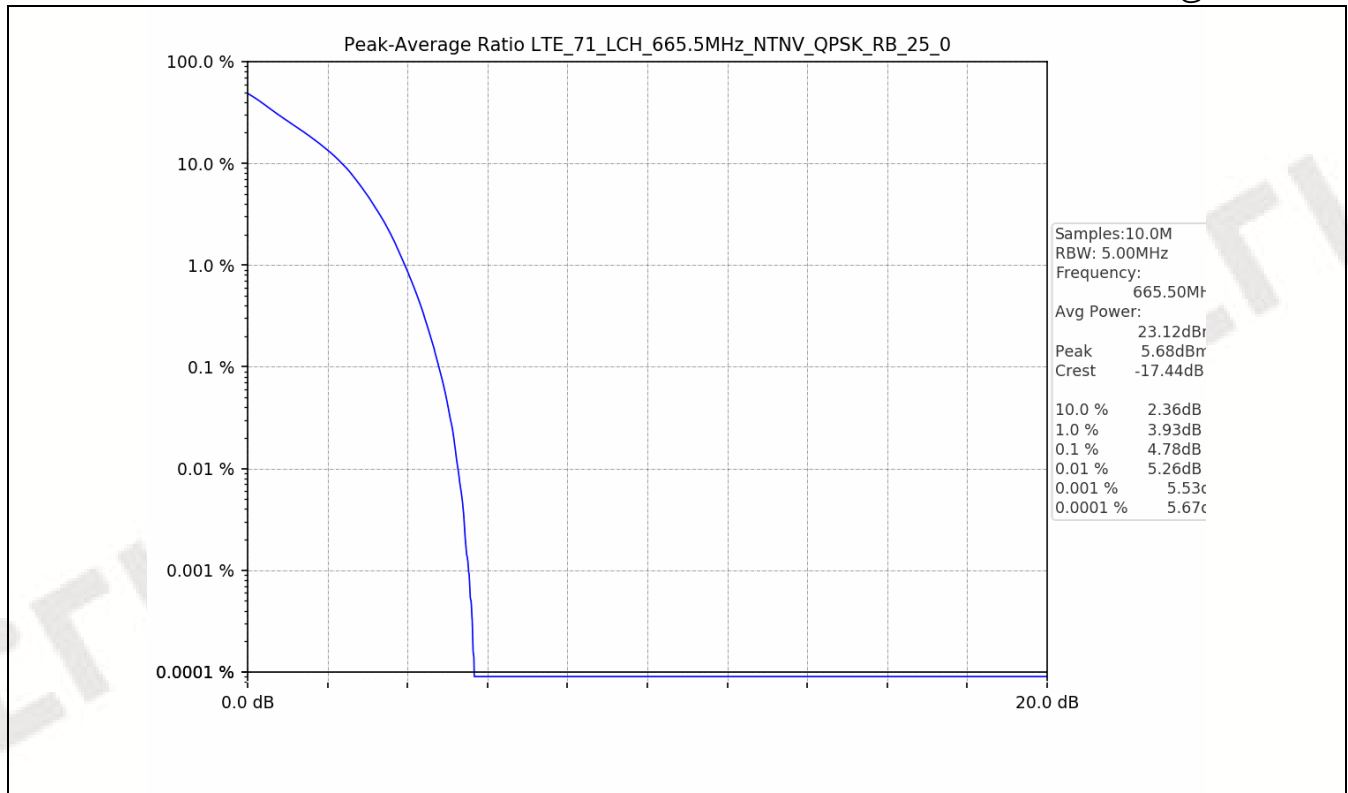
5.1 Test Result

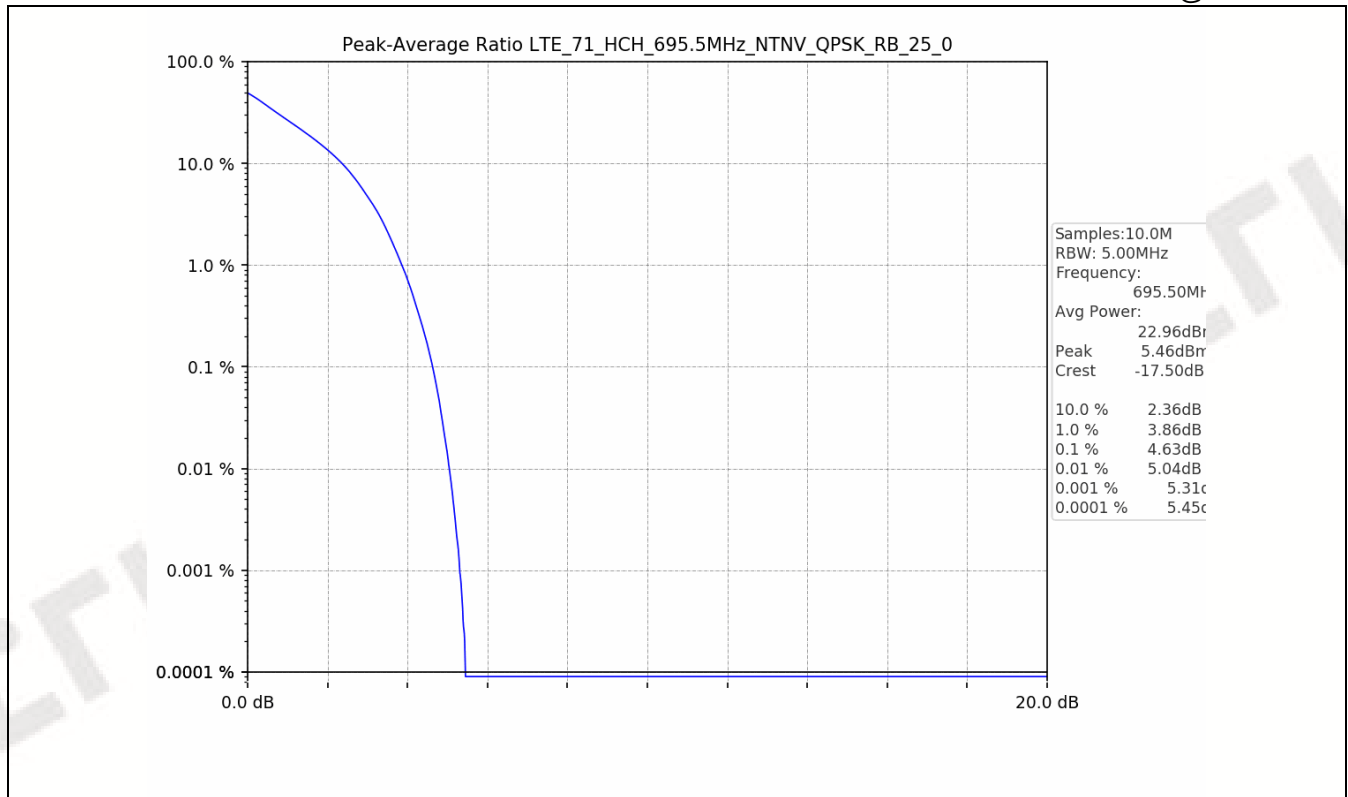
Test Band: 71_5MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	25	0	4.78	4.79	4.63	13	PASS
16QAM	25	0	5.88	5.88	5.72	13	PASS

5.2 Test Graph









Test Band: 71_10MHz Bandwidth							
Test Mode	RB Allocation		Test result (dB)			Limit (dB)	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	50	0	5.97	6.08	6.20	13	PASS
16QAM	50	0	6.72	6.68	6.80	13	PASS

5.2 Test Graph

