

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	23.14	19.82	23.51	/	2.53	25.67	22.35	26.04	30.00	PASS
		2	23.14	19.81	23.33	/	2.53	25.67	22.34	25.86	30.00	PASS
		5	23.24	19.84	23.35	/	2.53	25.77	22.37	25.88	30.00	PASS
	3	0	23.10	19.78	23.46	/	2.53	25.63	22.31	25.99	30.00	PASS
		2	23.15	19.86	23.35	/	2.53	25.68	22.39	25.88	30.00	PASS
		3	23.21	19.83	23.33	/	2.53	25.74	22.36	25.86	30.00	PASS
	6	0	22.15	18.74	22.48	/	2.53	24.68	21.27	25.01	30.00	PASS
		2	22.18	18.80	22.85	/	2.53	24.71	21.33	25.38	30.00	PASS
		5	22.33	18.91	22.68	/	2.53	24.86	21.44	25.21	30.00	PASS
16QAM	1	0	22.22	18.96	22.64	/	2.53	24.75	21.49	25.17	30.00	PASS
		2	22.27	19.07	22.55	/	2.53	24.8	21.6	25.08	30.00	PASS
		3	22.31	19.09	22.49	/	2.53	24.84	21.62	25.02	30.00	PASS
	3	0	22.22	18.96	22.64	/	2.53	24.75	21.49	25.17	30.00	PASS
		2	22.27	19.07	22.55	/	2.53	24.8	21.6	25.08	30.00	PASS
		3	22.31	19.09	22.49	/	2.53	24.84	21.62	25.02	30.00	PASS
	6	0	20.96	17.87	21.72	/	2.53	23.49	20.4	24.25	30.00	PASS
		2	22.18	18.80	22.85	/	2.53	24.71	21.33	25.38	30.00	PASS
		5	22.33	18.91	22.68	/	2.53	24.86	21.44	25.21	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	23.30	19.71	23.60	/	2.53	25.83	22.24	26.13	30.00	PASS
		7	23.37	19.90	23.41	/	2.53	25.9	22.43	25.94	30.00	PASS
		14	23.34	20.00	23.11	/	2.53	25.87	22.53	25.64	30.00	PASS
	8	0	22.20	18.66	22.63	/	2.53	24.73	21.19	25.16	30.00	PASS
		4	22.30	18.72	22.52	/	2.53	24.83	21.25	25.05	30.00	PASS
		7	22.33	18.73	22.42	/	2.53	24.86	21.26	24.95	30.00	PASS
	15	0	22.29	18.67	22.49	/	2.53	24.82	21.2	25.02	30.00	PASS
		7	22.28	18.77	23.21	/	2.53	24.81	21.3	25.74	30.00	PASS
		14	22.50	18.84	22.83	/	2.53	25.03	21.37	25.36	30.00	PASS
16QAM	1	0	20.99	17.82	21.96	/	2.53	23.52	20.35	24.49	30.00	PASS
		4	21.08	17.98	21.88	/	2.53	23.61	20.51	24.41	30.00	PASS
		7	21.15	17.98	21.75	/	2.53	23.68	20.51	24.28	30.00	PASS
	8	0	20.99	17.82	21.96	/	2.53	23.52	20.35	24.49	30.00	PASS
		4	21.08	17.98	21.88	/	2.53	23.61	20.51	24.41	30.00	PASS
		7	21.15	17.98	21.75	/	2.53	23.68	20.51	24.28	30.00	PASS
	15	0	21.11	17.90	21.77	/	2.53	23.64	20.43	24.3	30.00	PASS
		4	21.15	17.98	21.75	/	2.53	23.68	20.51	24.28	30.00	PASS
		7	21.15	17.98	21.75	/	2.53	23.68	20.51	24.28	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	23.75	19.96	23.92	/	2.53	26.28	22.49	26.45	30.00	PASS
		13	23.62	20.16	23.76	/	2.53	26.15	22.69	26.29	30.00	PASS
		24	23.72	20.40	23.31	/	2.53	26.25	22.93	25.84	30.00	PASS
	12	0	22.35	18.59	22.68	/	2.53	24.88	21.12	25.21	30.00	PASS
		6	22.51	18.82	22.73	/	2.53	25.04	21.35	25.26	30.00	PASS
		13	22.56	18.98	22.55	/	2.53	25.09	21.51	25.08	30.00	PASS
	25	0	22.45	18.73	22.63	/	2.53	24.98	21.26	25.16	30.00	PASS
		13	22.59	18.84	22.62	/	2.53	25.12	21.37	25.15	30.00	PASS
		24	22.79	18.98	22.66	/	2.53	25.32	21.51	25.19	30.00	PASS
16QAM	1	0	21.18	17.67	21.80	/	2.53	23.71	20.2	24.33	30.00	PASS
		6	21.35	17.91	21.84	/	2.53	23.88	20.44	24.37	30.00	PASS
		13	21.41	17.87	21.68	/	2.53	23.94	20.4	24.21	30.00	PASS
	12	0	21.24	17.84	21.70	/	2.53	23.77	20.37	24.23	30.00	PASS
		6	21.35	17.91	21.84	/	2.53	23.88	20.44	24.37	30.00	PASS
		13	21.41	17.87	21.68	/	2.53	23.94	20.4	24.21	30.00	PASS
	25	0	21.24	17.84	21.70	/	2.53	23.77	20.37	24.23	30.00	PASS
		6	21.35	17.91	21.84	/	2.53	23.88	20.44	24.37	30.00	PASS
		13	21.41	17.87	21.68	/	2.53	23.94	20.4	24.21	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	23.23	20.26	23.21	/	2.53	25.76	22.79	25.74	30.00	PASS
		25	23.45	20.07	23.77	/	2.53	25.98	22.6	26.3	30.00	PASS
		49	22.77	21.24	23.27	/	2.53	25.3	23.77	25.8	30.00	PASS
	25	0	21.98	18.26	22.09	/	2.53	24.51	20.79	24.62	30.00	PASS
		13	22.20	18.81	22.67	/	2.53	24.73	21.34	25.2	30.00	PASS
		25	22.04	19.11	22.39	/	2.53	24.57	21.64	24.92	30.00	PASS
	50	0	21.95	18.68	22.50	/	2.53	24.48	21.21	25.03	30.00	PASS
		25	22.62	18.98	22.14	/	2.53	25.15	21.51	24.67	30.00	PASS
		49	21.70	19.64	22.77	/	2.53	24.23	22.17	25.3	30.00	PASS
16QAM	1	0	21.28	17.45	20.81	/	2.53	23.81	19.98	23.34	30.00	PASS
		13	21.43	17.81	21.50	/	2.53	23.96	20.34	24.03	30.00	PASS
		25	21.01	17.99	21.51	/	2.53	23.54	20.52	24.04	30.00	PASS
	25	0	21.90	20.37	21.73	/	2.53	24.43	22.9	24.26	30.00	PASS
		13	21.43	17.81	21.50	/	2.53	23.96	20.34	24.03	30.00	PASS
		25	21.01	17.99	21.51	/	2.53	23.54	20.52	24.04	30.00	PASS
	50	0	21.90	20.37	21.73	/	2.53	24.43	22.9	24.26	30.00	PASS
		13	21.43	17.81	21.50	/	2.53	23.96	20.34	24.03	30.00	PASS
		25	21.01	17.99	21.51	/	2.53	23.54	20.52	24.04	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	23.60	20.86	21.96	/	2.53	26.13	23.39	24.49	30.00	PASS
		38	23.26	20.03	23.19	/	2.53	25.79	22.56	25.72	30.00	PASS
		74	21.44	21.48	23.46	/	2.53	23.97	24.01	25.99	30.00	PASS
	36	0	22.45	18.78	21.24	/	2.53	24.98	21.31	23.77	30.00	PASS
		18	22.23	18.76	21.85	/	2.53	24.76	21.29	24.38	30.00	PASS
		39	21.22	19.32	22.53	/	2.53	23.75	21.85	25.06	30.00	PASS
	75	0	21.66	18.88	21.96	/	2.53	24.19	21.41	24.49	30.00	PASS
16QAM	1	0	22.83	20.52	20.94	/	2.53	25.36	23.05	23.47	30.00	PASS
		38	22.99	19.60	22.17	/	2.53	25.52	22.13	24.7	30.00	PASS
		74	20.78	20.83	22.63	/	2.53	23.31	23.36	25.16	30.00	PASS
	36	0	23.51	21.78	23.93	/	2.53	26.04	24.31	26.46	30.00	PASS
		18	-20.71	21.83	23.88	/	2.53	-18.18	24.36	26.41	30.00	PASS
		39	-46.14	-24.39	23.86	/	2.53	-43.61	-21.86	26.39	30.00	PASS
	75	0	-28.06	21.70	23.94	/	2.53	-25.53	24.23	26.47	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	22.13	22.16	22.26	/	2.53	24.66	24.69	24.79	30.00	PASS	
		50	22.62	22.68	22.73	/	2.53	25.15	25.21	25.26	30.00	PASS	
		99	22.24	22.22	22.35	/	2.53	24.77	24.75	24.88	30.00	PASS	
	50	0	21.41	21.52	21.63	/	2.53	23.94	24.05	24.16	30.00	PASS	
		25	21.47	21.57	21.62	/	2.53	24	24.1	24.15	30.00	PASS	
		50	21.47	21.51	21.55	/	2.53	24	24.04	24.08	30.00	PASS	
	100	0	21.48	21.52	21.58	/	2.53	24.01	24.05	24.11	30.00	PASS	
	16QAM	1	0	22.47	20.86	19.57	/	2.53	25	23.39	22.1	30.00	PASS
			50	21.85	19.31	21.60	/	2.53	24.38	21.84	24.13	30.00	PASS
99			19.28	21.01	22.78	/	2.53	21.81	23.54	25.31	30.00	PASS	
50		0	22.47	22.53	/	/	2.53	25	25.06	/	30.00	PASS	
		25	22.59	-30.07	/	/	2.53	25.12	-27.54	/	30.00	PASS	
		50	22.52	-47.03	/	/	2.53	25.05	-44.5	/	30.00	PASS	
100		0	22.61	18.96	/	/	2.53	25.14	21.49	/	30.00	PASS	
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)													

2. Frequency stability

2.1 Test Result

Test Band: 4 _ 1.4MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	6	0	NT	LV	3.5477	-1.2302	-	0.0021	-0.0007	-0.0058	2.50	PASS
				NV	-6.5231	-5.0640	-1.9455	-0.0038	-0.0029	-0.0011	2.50	PASS
				HV	-	-3.8338	-2.0170	-0.0061	-0.0022	-0.0011	2.50	PASS
16QAM	6	0	NT	LV	-1.0586	8.1539	-5.8508	-0.0006	0.0047	-0.0033	2.50	PASS
				NV	4.2486	-	0.1001	0.0025	-0.0086	0.0001	2.50	PASS
				HV	4.3917	-	-5.3358	0.0026	-0.0074	-0.0030	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	-4.6349	1.3733	-6.4230	-0.0027	0.0008	-0.0037	2.50	PASS
				-20.00	6.5374	-	-4.0340	0.0038	-0.0094	-0.0023	2.50	PASS
				-10.00	-1.5450	-3.2330	-1.6308	-0.0009	-0.0019	-0.0009	2.50	PASS
				0.00	-	5.4646	-	-0.0089	0.0032	-0.0084	2.50	PASS
				10.00	-	-2.3890	-	-0.0094	-0.0014	-0.0076	2.50	PASS
				20.00	-	-4.9210	2.6608	-0.0072	-0.0028	0.0015	2.50	PASS
				30.00	-8.5545	-5.8794	-0.7439	-0.0050	-0.0034	-0.0004	2.50	PASS
				40.00	-6.6376	-	-	-0.0039	-0.0104	-0.0064	2.50	PASS
				50.00	-6.8378	-	-2.7037	-0.0040	-0.0087	-0.0015	2.50	PASS
16QAM	6	0	NV	-30.00	-	-0.0858	1.2445	-0.0069	0.0000	0.0007	2.50	PASS
				-20.00	-	6.3086	-	-0.0073	0.0036	-0.0064	2.50	PASS
				-10.00	-	-	-7.0667	-0.0066	-0.0074	-0.0040	2.50	PASS
				0.00	-	7.9536	3.8195	-0.0067	0.0046	0.0022	2.50	PASS
				10.00	0.5865	-9.3842	-	0.0003	-0.0054	-0.0098	2.50	PASS
				20.00	7.3957	-3.5048	-	0.0043	-0.0020	-0.0069	2.50	PASS
				30.00	-	7.0810	-	-0.0139	0.0041	-0.0167	2.50	PASS
				40.00	-	-	-	0.0043	-0.0084	-0.0066	2.50	PASS
				50.00	-	-	-	-0.0049	-0.0070	-0.0039	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	-5.5504	-2.6608	9.5558	-0.0032	-0.0015	0.0054	2.50	PASS
				NV	1.1873	-7.9679	2.4462	0.0007	-0.0046	0.0014	2.50	PASS
				HV	-	-	-2.0885	-0.0061	-0.0096	-0.0012	2.50	PASS
16QAM	15	0	NT	LV	7.7963	10.8004	-7.1383	0.0046	0.0062	-0.0041	2.50	PASS
				NV	9.6273	1.7452	-	0.0056	0.0010	-0.0092	2.50	PASS
				HV	-	-2.5892	-0.3719	-0.0059	-0.0015	-0.0002	2.50	PASS

Test Band: 4 3MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	15	0	NV	-30.00	-	-	-1.8740	-0.0075	-0.0101	-0.0011	2.50	PASS
				-20.00	-4.6492	-	-2.0885	-0.0027	-0.0075	-0.0012	2.50	PASS
				-10.00	-1.9169	-3.6764	-4.2486	-0.0011	-0.0021	-0.0024	2.50	PASS
				0.00	0.6151	9.5844	-3.5906	0.0004	0.0055	-0.0020	2.50	PASS
				10.00	-7.4673	-	-4.8637	-0.0044	-0.0060	-0.0028	2.50	PASS
				20.00	-0.5007	4.9782	-7.0238	-0.0003	0.0029	-0.0040	2.50	PASS
				30.00	-0.1431	-	-4.3201	-0.0001	-0.0063	-0.0025	2.50	PASS
				40.00	-	4.5919	-6.6805	-0.0077	0.0027	-0.0038	2.50	PASS
				50.00	-	-6.6805	-8.8406	-0.0062	-0.0039	-0.0050	2.50	PASS
16QAM	15	0	NV	-30.00	8.2827	-	-0.1860	0.0048	-0.0101	-0.0001	2.50	PASS
				-20.00	3.1328	-	-	0.0018	-0.0069	-0.0095	2.50	PASS
				-10.00	-0.7725	-3.7909	-9.5844	-0.0005	-0.0022	-0.0055	2.50	PASS
				0.00	-8.7547	-4.1628	6.8235	-0.0051	-0.0024	0.0039	2.50	PASS
				10.00	-	-9.1124	-9.8991	-0.0092	-0.0053	-0.0056	2.50	PASS
				20.00	-	7.0238	6.2942	-0.0060	0.0041	0.0036	2.50	PASS
				30.00	7.5245	-	-4.0770	0.0044	-0.0081	-0.0023	2.50	PASS
				40.00	4.7207	10.9148	-	0.0028	0.0063	-0.0072	2.50	PASS
				50.00	-8.0967	1.0872	-0.5865	-0.0047	0.0006	-0.0003	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	-7.7391	-4.3774	0.7439	-0.0045	-0.0025	0.0004	2.50	PASS
				NV	3.4332	-	-	0.0020	-0.0071	-0.0061	2.50	PASS
				HV	-2.0885	-6.1512	-	-0.0012	-0.0036	-0.0071	2.50	PASS
16QAM	25	0	NT	LV	-1.6022	5.9509	-8.3828	-0.0009	0.0034	-0.0048	2.50	PASS
				NV	-4.4775	-8.1682	2.1744	-0.0026	-0.0047	0.0012	2.50	PASS
				HV	-	-0.1717	-	-0.0100	-0.0001	-0.0061	2.50	PASS

Test Band: 4 _ 5MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	25	0	NV	-30.00	-0.9155	3.1185	-5.4359	-0.0005	0.0018	-0.0031	2.50	PASS
				-20.00	-0.3862	-6.7234	-3.3188	-0.0002	-0.0039	-0.0019	2.50	PASS
				-10.00	-2.4033	-6.9094	-4.2629	-0.0014	-0.0040	-0.0024	2.50	PASS
				0.00	-6.4516	5.3215	-2.2173	-0.0038	0.0031	-0.0013	2.50	PASS
				10.00	-7.1383	-3.7909	-	-0.0042	-0.0022	-0.0100	2.50	PASS
				20.00	-5.7650	-7.3242	-	-0.0034	-0.0042	-0.0073	2.50	PASS
				30.00	-6.6805	-8.2684	-8.4257	-0.0039	-0.0048	-0.0048	2.50	PASS
				40.00	-1.7023	-5.0211	-0.4148	-0.0010	-0.0029	-0.0002	2.50	PASS
				50.00	-4.4918	-5.1928	-4.7779	-0.0026	-0.0030	-0.0027	2.50	PASS
16QAM	25	0	NV	-30.00	-6.1798	-	3.9625	-0.0036	-0.0066	0.0023	2.50	PASS
				-20.00	-8.3113	2.3603	-9.9850	-0.0049	0.0014	-0.0057	2.50	PASS
				-10.00	-3.5334	0.1717	-	-0.0021	0.0001	-0.0061	2.50	PASS
				0.00	0.3719	-3.4046	2.0313	0.0002	-0.0020	0.0012	2.50	PASS
				10.00	-	-5.0640	-2.1315	-0.0080	-0.0029	-0.0012	2.50	PASS
				20.00	3.3474	-8.3685	-6.3229	0.0020	-0.0048	-0.0036	2.50	PASS
				30.00	-3.7336	-	-6.1798	-0.0022	-0.0069	-0.0035	2.50	PASS
				40.00	-3.6049	2.6608	-	-0.0021	0.0015	-0.0059	2.50	PASS
				50.00	-4.9353	-	-4.7064	-0.0029	-0.0061	-0.0027	2.50	PASS

Test Band: 4 _ 10MHz Bandwidth (Frequency Error VS. Voltage)												
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	NT	LV	-6.3515	-1.8597	-8.1110	-0.0037	-0.0011	-0.0046	2.50	PASS
				NV	-2.2745	-6.1369	-7.5960	-0.0013	-0.0035	-0.0043	2.50	PASS
				HV	-9.1839	-6.4802	-4.9210	-0.0054	-0.0037	-0.0028	2.50	PASS
16QAM	50	0	NT	LV	-6.0081	-8.1682	-4.4346	-0.0035	-0.0047	-0.0025	2.50	PASS
				NV	-8.5402	-3.4189	-4.1056	-0.0050	-0.0020	-0.0023	2.50	PASS
				HV	-7.6962	-1.1015	-4.3488	-0.0045	-0.0006	-0.0025	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	-2.5606	-8.5688	-4.9210	-0.0015	-0.0049	-0.0028	2.50	PASS
				-20.00	-2.7323	-8.0395	-6.8808	-0.0016	-0.0046	-0.0039	2.50	PASS
				-10.00	-	-9.3555	-7.7248	-0.0067	-0.0054	-0.0044	2.50	PASS
				0.00	-5.0211	-2.8753	-1.6737	-0.0029	-0.0017	-0.0010	2.50	PASS
				10.00	-7.7248	-5.0211	-5.3501	-0.0045	-0.0029	-0.0031	2.50	PASS
				20.00	-6.9809	-1.9741	-6.2799	-0.0041	-0.0011	-0.0036	2.50	PASS

				30.00	-0.4435	-1.8740	-4.2629	-0.0003	-0.0011	-0.0024	2.50	PASS
				40.00	-4.6062	-5.7364	-5.8079	-0.0027	-0.0033	-0.0033	2.50	PASS
				50.00	-8.0967	-8.8120	-6.9237	-0.0047	-0.0051	-0.0040	2.50	PASS
16QAM	50	0	NV	-30.00	-4.2629	-8.9693	-4.9639	-0.0025	-0.0052	-0.0028	2.50	PASS
				-20.00	-8.1825	0.5579	-5.7220	-0.0048	0.0003	-0.0033	2.50	PASS
				-10.00	-5.5933	-8.8692	-5.9795	-0.0033	-0.0051	-0.0034	2.50	PASS
				0.00	-	-8.0109	-	-0.0060	-0.0046	-0.0063	2.50	PASS
				10.00	10.2997	-1.9169	11.0865	-0.0019	-0.0011	0.0000	2.50	PASS
				20.00	-3.2902	-2.4319	-3.9053	-0.0016	-0.0014	-0.0022	2.50	PASS
				30.00	-2.8181	1.5736	-5.2786	-0.0033	0.0009	-0.0030	2.50	PASS
				40.00	-5.6648	-8.9121	-7.4244	-0.0018	-0.0051	-0.0042	2.50	PASS
				50.00	-3.1185	0.7153	-8.0109	-0.0043	0.0004	-0.0046	2.50	PASS
				50.00	-7.3099	0.7153	-8.0109	-0.0043	0.0004	-0.0046	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	0.7296	0.0715	-2.7609	0.0004	0.0000	-0.0016	2.50	PASS
				NV	-3.2902	-7.1383	-2.9325	-0.0019	-0.0041	-0.0017	2.50	PASS
				HV	-8.0109	2.4891	-2.9755	-0.0047	0.0014	-0.0017	2.50	PASS
16QAM	75	0	NT	LV	-8.9836	-5.2500	-2.1601	-0.0052	-0.0030	-0.0012	2.50	PASS
				NV	-7.3957	-4.8780	-8.5974	-0.0043	-0.0028	-0.0049	2.50	PASS
				HV	-2.5320	-2.6321	-11.1580	-0.0015	-0.0015	-0.0064	2.50	PASS

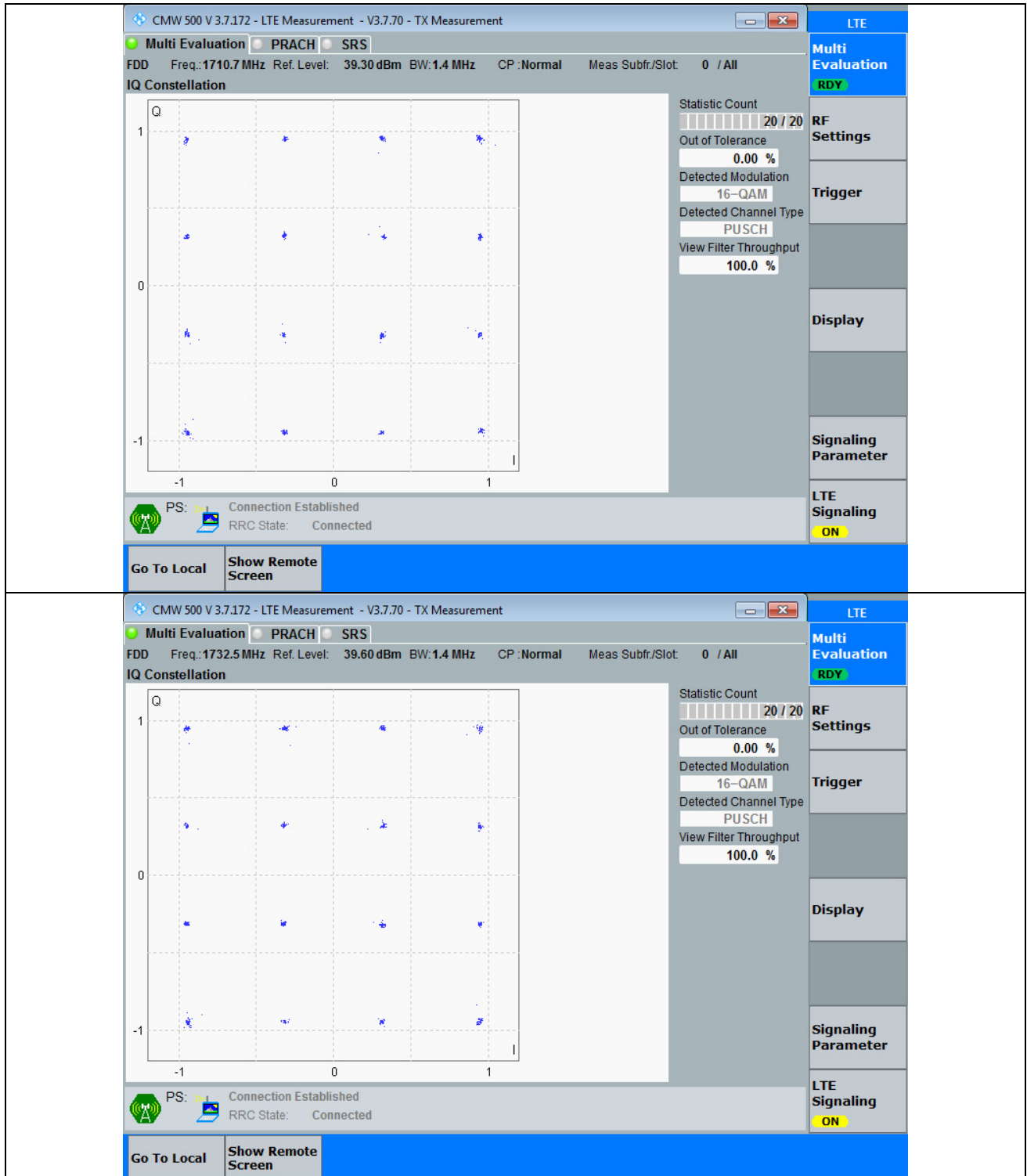
Test Band: 4 15MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	75	0	NV	-30.00	-4.3774	3.1042	-3.3903	-0.0025	0.0018	-0.0019	2.50	PASS
				-20.00	-4.1628	-1.4019	-2.1315	-0.0024	-0.0008	-0.0012	2.50	PASS
				-10.00	-3.0184	-7.6962	-2.8038	-0.0018	-0.0044	-0.0016	2.50	PASS
				0.00	-4.7493	-2.5320	-2.5606	-0.0028	-0.0015	-0.0015	2.50	PASS
				10.00	-3.9768	-4.8923	-6.9523	-0.0023	-0.0028	-0.0040	2.50	PASS
				20.00	-5.7650	-7.4816	-	-0.0034	-0.0043	-0.0058	2.50	PASS
				30.00	5.3215	-1.1015	-9.5701	0.0031	-0.0006	-0.0055	2.50	PASS
				40.00	1.9312	-1.6451	-	0.0011	-0.0009	-0.0061	2.50	PASS
				50.00	-4.7207	-5.2357	-9.1553	-0.0027	-0.0030	-0.0052	2.50	PASS
16QAM	75	0	NV	-30.00	-	-	-	-0.0074	-0.0014	-0.0006	2.50	PASS
				-20.00	-	-	-	-0.0071	-0.0039	-0.0039	2.50	PASS
				-10.00	-	-	-	-0.0022	-0.0030	-0.0036	2.50	PASS
				0.00	-	-	-	-0.0031	-0.0005	-0.0037	2.50	PASS
				10.00	-	-	-	-0.0029	-0.0026	-0.0023	2.50	PASS
				20.00	-	-	-	-0.0037	0.0016	-0.0044	2.50	PASS
				30.00	-	-	-	-0.0045	-0.0014	-0.0045	2.50	PASS
				40.00	-	-	-	-0.0051	-0.0014	-0.0020	2.50	PASS
				50.00	-	-	-	-0.0049	-0.0021	-0.0065	2.50	PASS

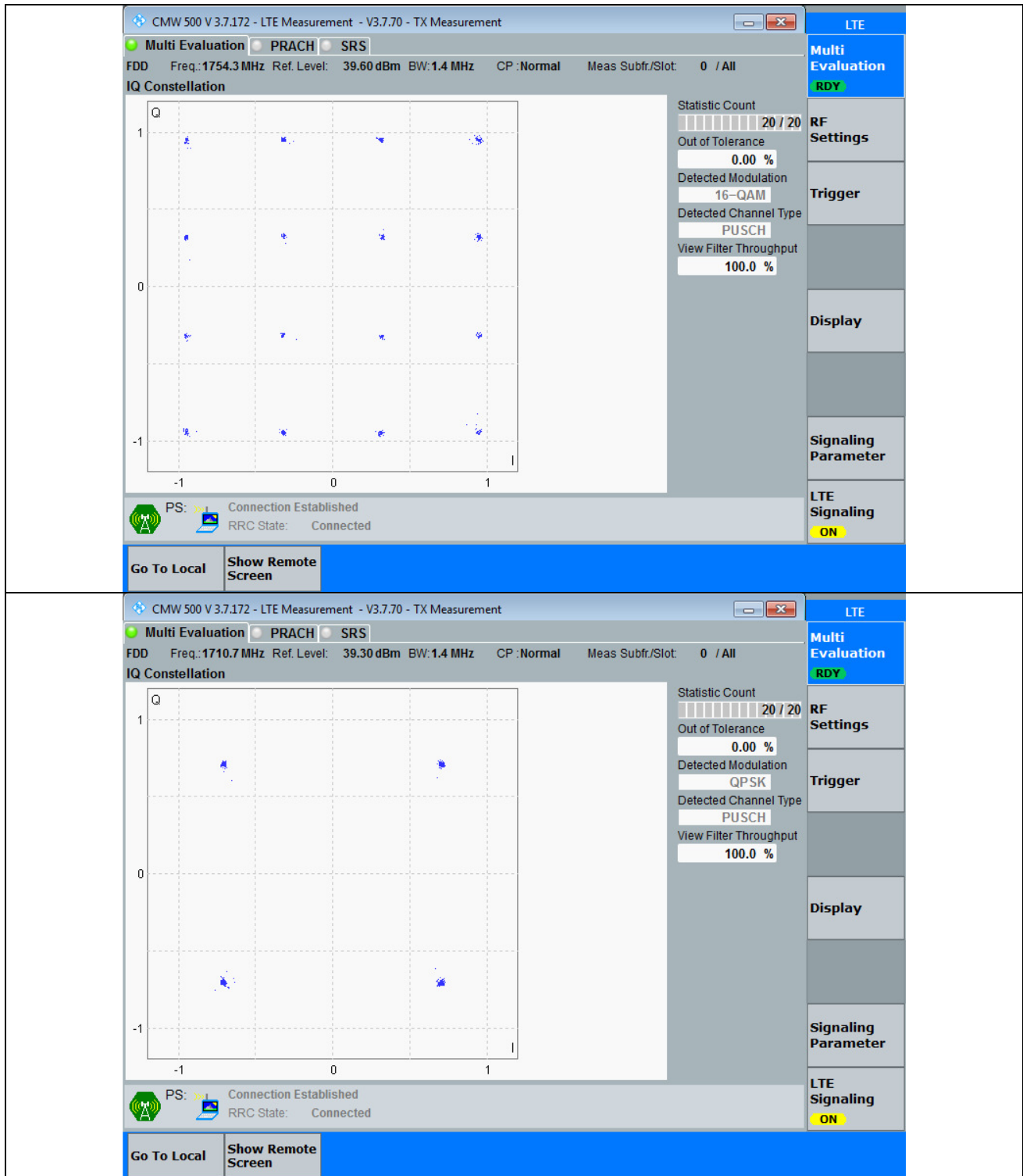
Test Band: 4 20MHz Bandwidth (Frequency Error VS. Voltage)												
Test Mode	RB Allocation		Test Temp.	Test Volt.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NT	LV	-1.8168	-1.9312	-5.2071	-0.0011	-0.0011	-0.0030	2.50	PASS
				NV	-2.7466	-2.5177	-7.8249	-0.0016	-0.0015	-0.0045	2.50	PASS
				HV	-6.3515	-3.2473	-3.7336	-0.0037	-0.0019	-0.0021	2.50	PASS
16QAM	100	0	NT	LV	-3.9482	-7.1096	-1.9026	-0.0023	-0.0041	-0.0011	2.50	PASS
				NV	-7.4244	-4.8923	-3.8195	-0.0043	-0.0028	-0.0022	2.50	PASS
				HV	-6.1226	-1.6880	-4.5776	-0.0036	-0.0010	-0.0026	2.50	PASS

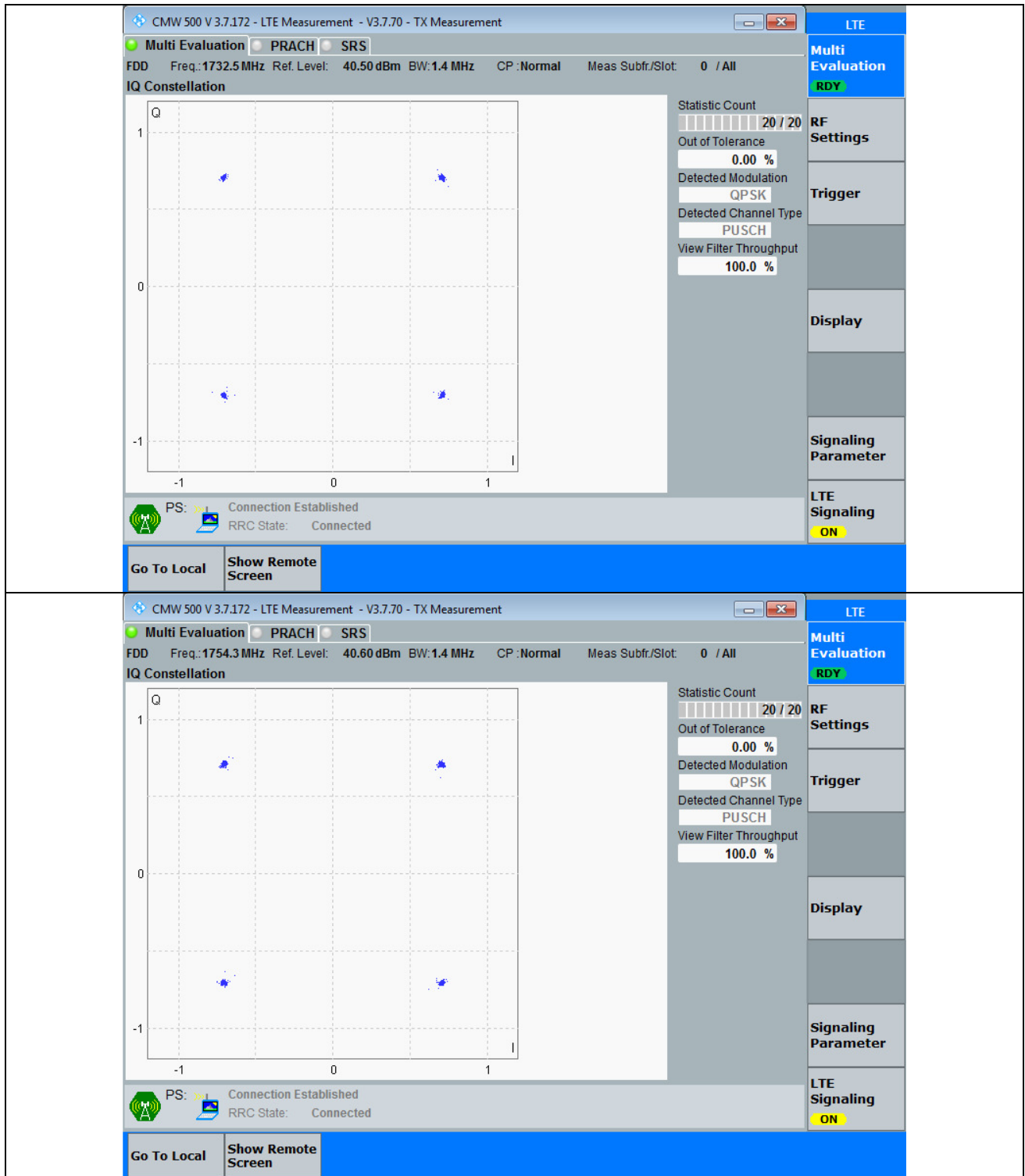
Test Band: 4 20MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NV	-30.00	-6.0081	-6.2227	-1.4019	-0.0035	-0.0036	-0.0008	2.50	PASS
				-20.00	-	-3.3617	4.7493	-0.0072	-0.0019	0.0027	2.50	PASS
				-10.00	-5.7364	-6.2942	0.5293	-0.0033	-0.0036	0.0003	2.50	PASS
				0.00	-6.6948	-3.0756	-4.5204	-0.0039	-0.0018	-0.0026	2.50	PASS
				10.00	-	-5.7364	-6.0654	-0.0070	-0.0033	-0.0035	2.50	PASS
				20.00	-	1.4734	-3.8910	-0.0061	0.0009	-0.0022	2.50	PASS
				30.00	-3.8052	-2.9755	-4.9782	-0.0022	-0.0017	-0.0029	2.50	PASS
				40.00	-6.8808	-3.0613	2.6035	-0.0040	-0.0018	0.0015	2.50	PASS
				50.00	-5.1785	0.6008	-0.3576	-0.0030	0.0003	-0.0002	2.50	PASS
16QAM	100	0	NV	-30.00	-6.7806	-3.9768	-	-0.0039	-0.0023	-0.0060	2.50	PASS
				-20.00	-9.4986	-7.2813	-3.5763	-0.0055	-0.0042	-0.0020	2.50	PASS
				-10.00	-4.4060	-2.2888	1.5020	-0.0026	-0.0013	0.0009	2.50	PASS
				0.00	-5.5361	-6.9809	-3.7479	-0.0032	-0.0040	-0.0021	2.50	PASS
				10.00	-7.7248	-4.8351	-6.2084	-0.0045	-0.0028	-0.0036	2.50	PASS
				20.00	-9.7418	-0.5579	-2.0313	-0.0057	-0.0003	-0.0012	2.50	PASS
				30.00	-2.7037	-6.1512	-3.2616	-0.0016	-0.0036	-0.0019	2.50	PASS
				40.00	-	0.8011	-5.1498	-0.0061	0.0005	-0.0030	2.50	PASS
				50.00	-	-6.1083	-1.0014	-0.0064	-0.0035	-0.0006	2.50	PASS

3. Modulation Characteristics

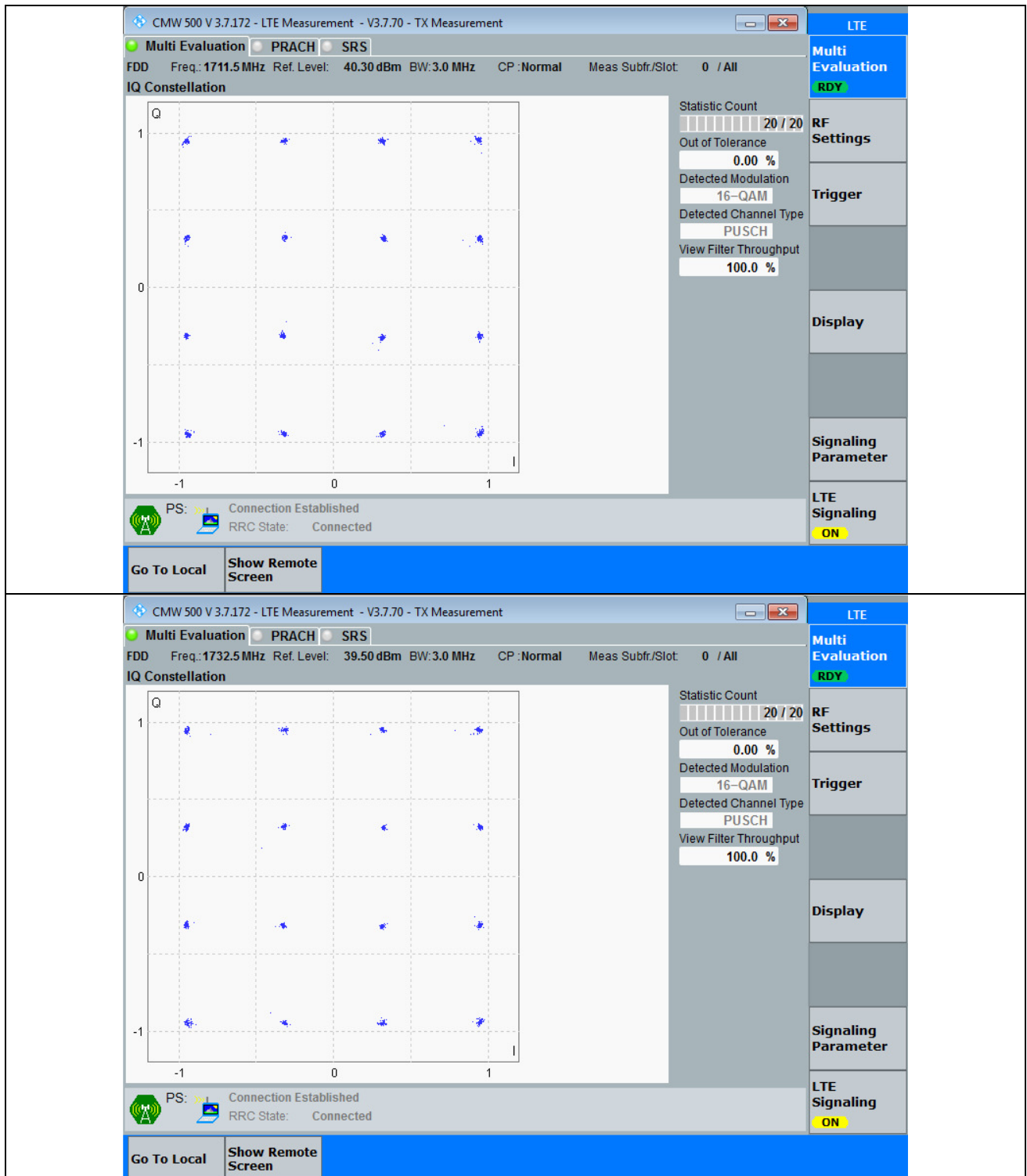
3.1 Test Graph

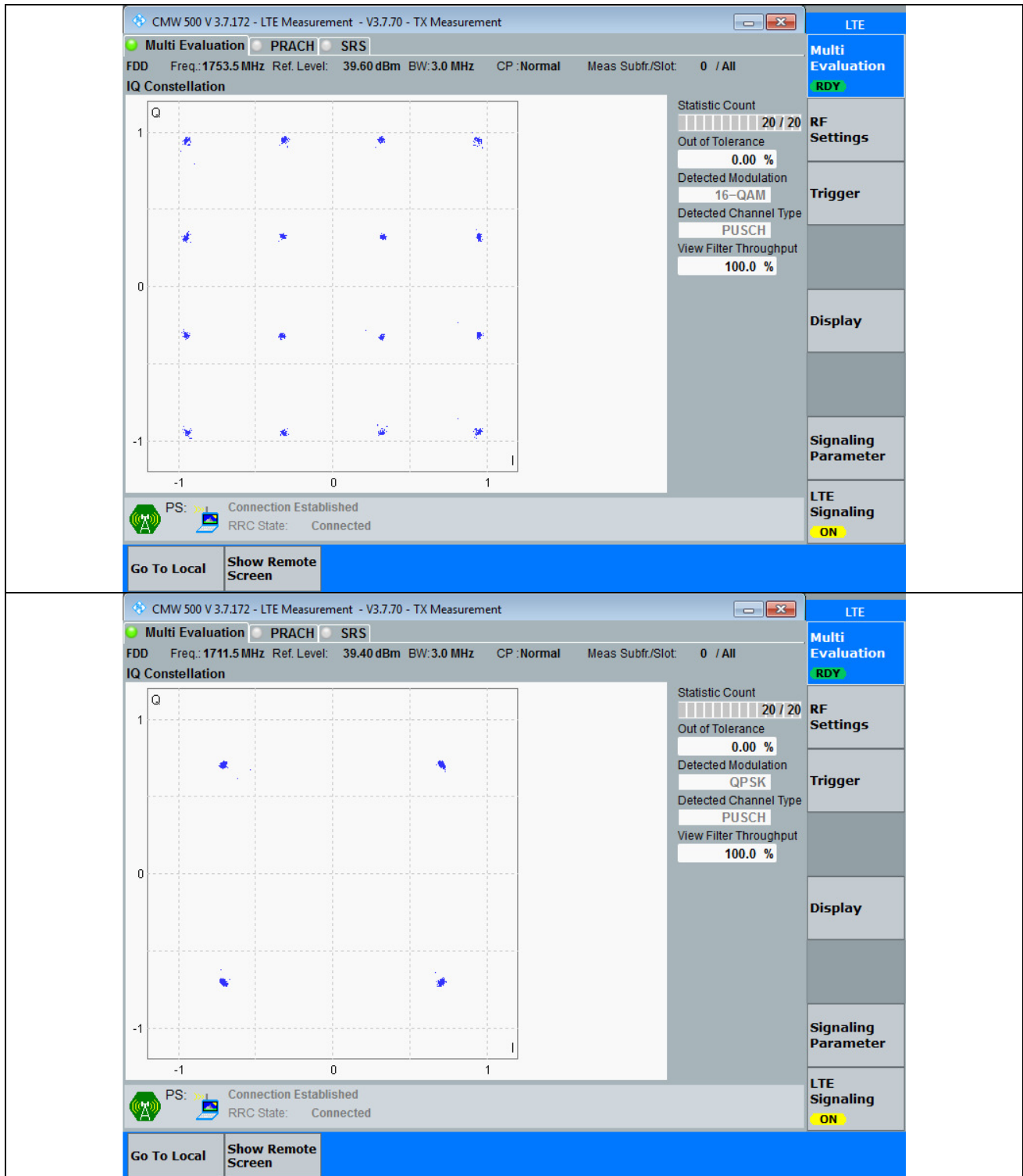


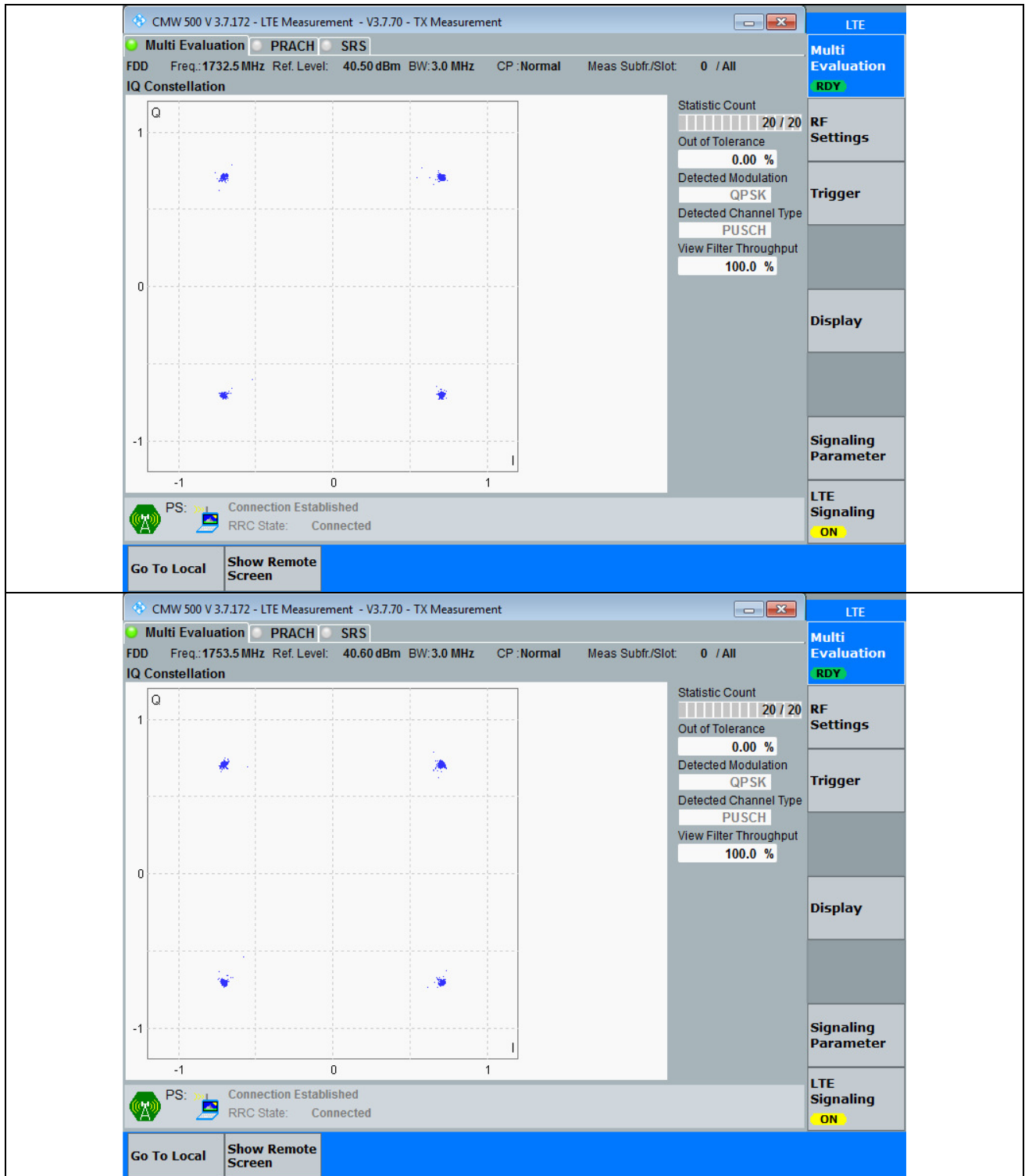




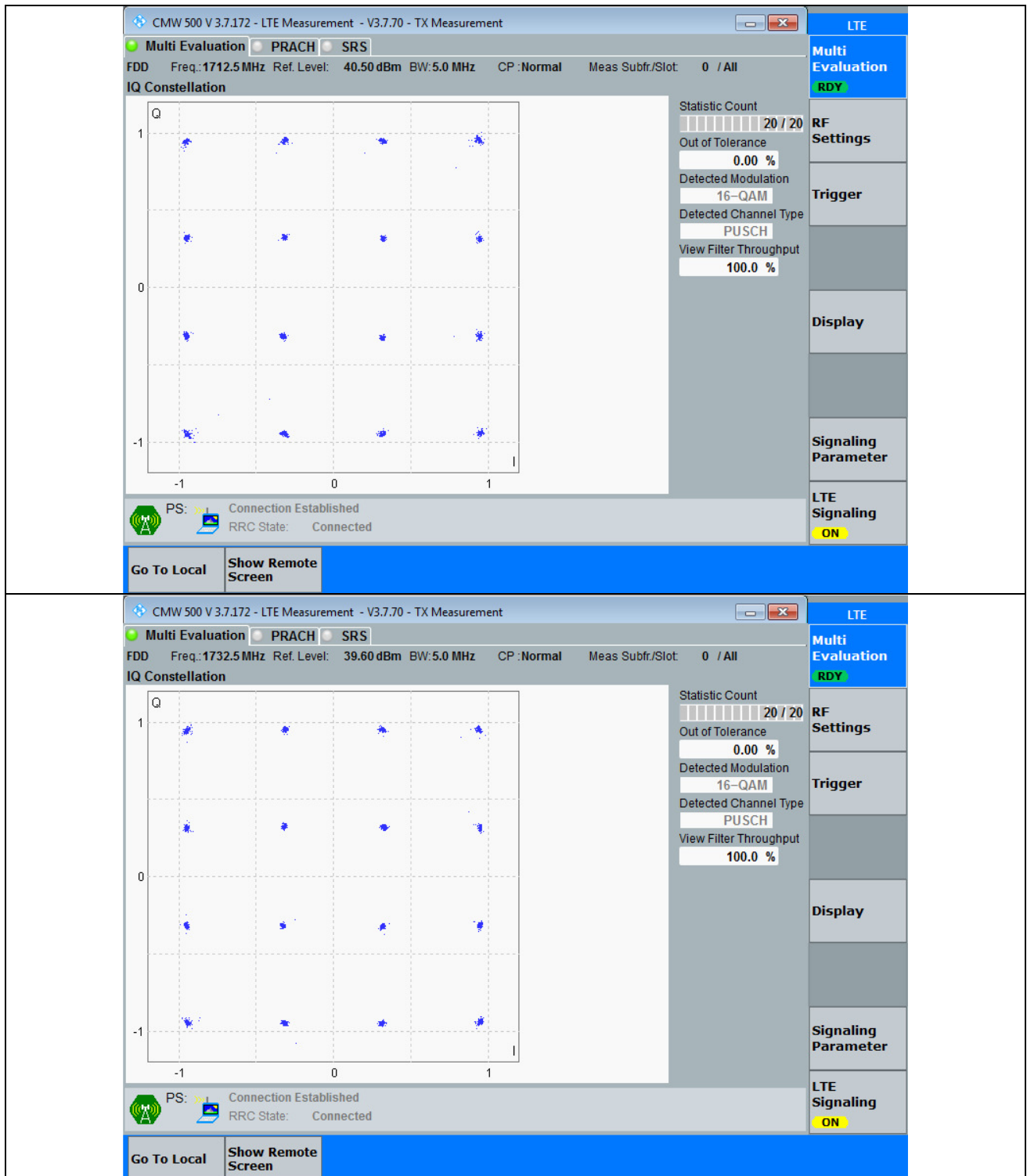
3.1 Test Graph

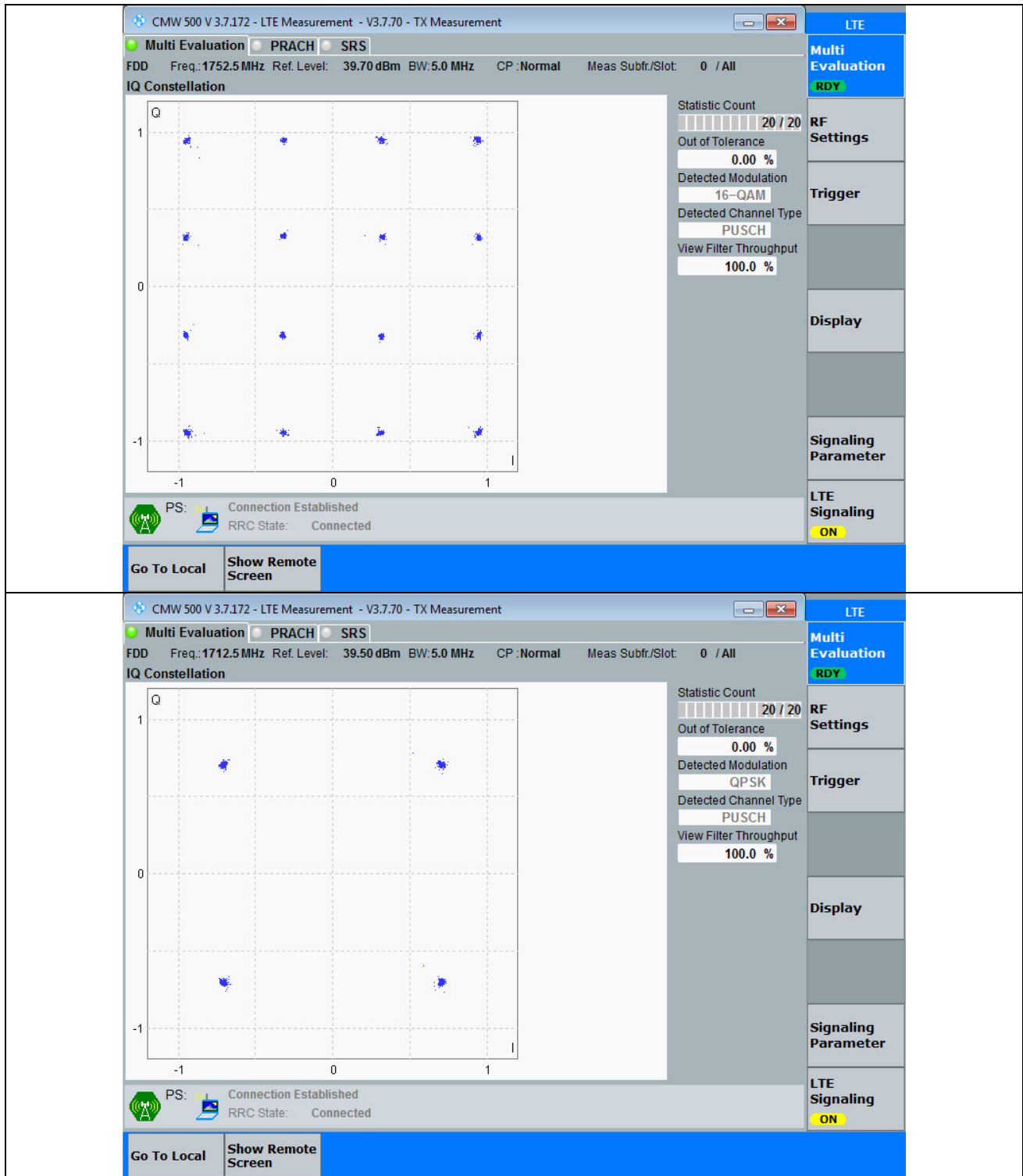


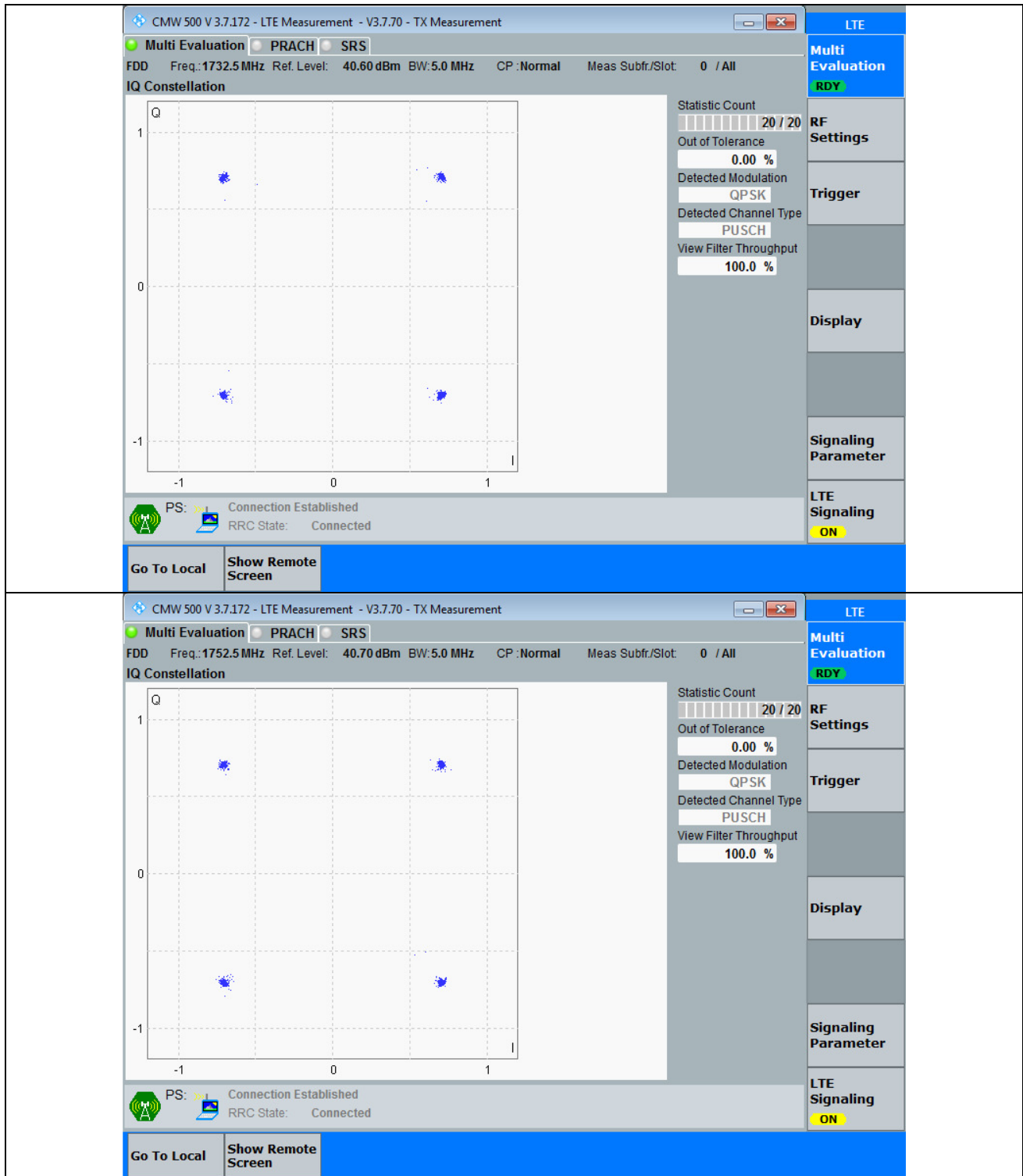




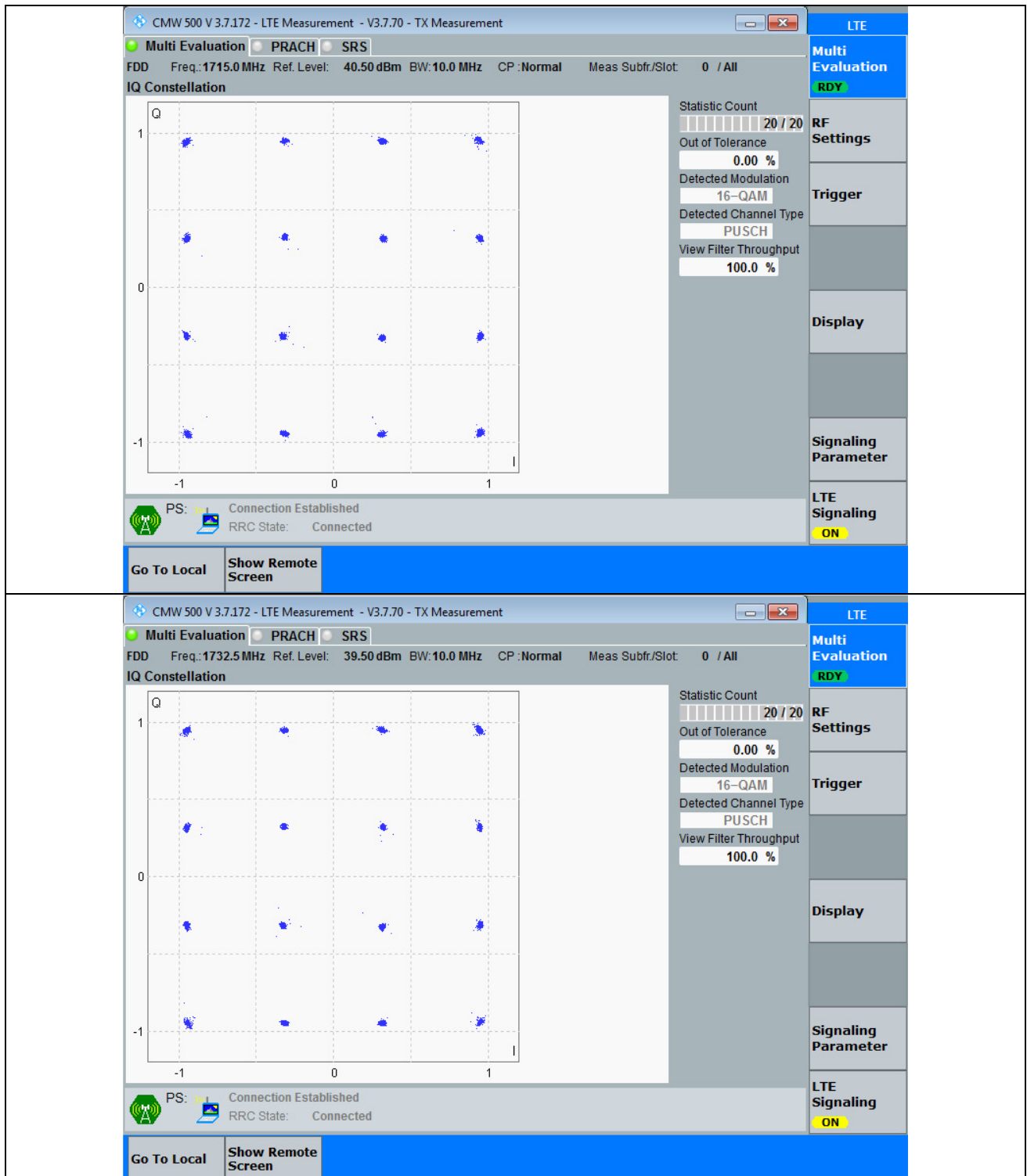
3.1 Test Graph

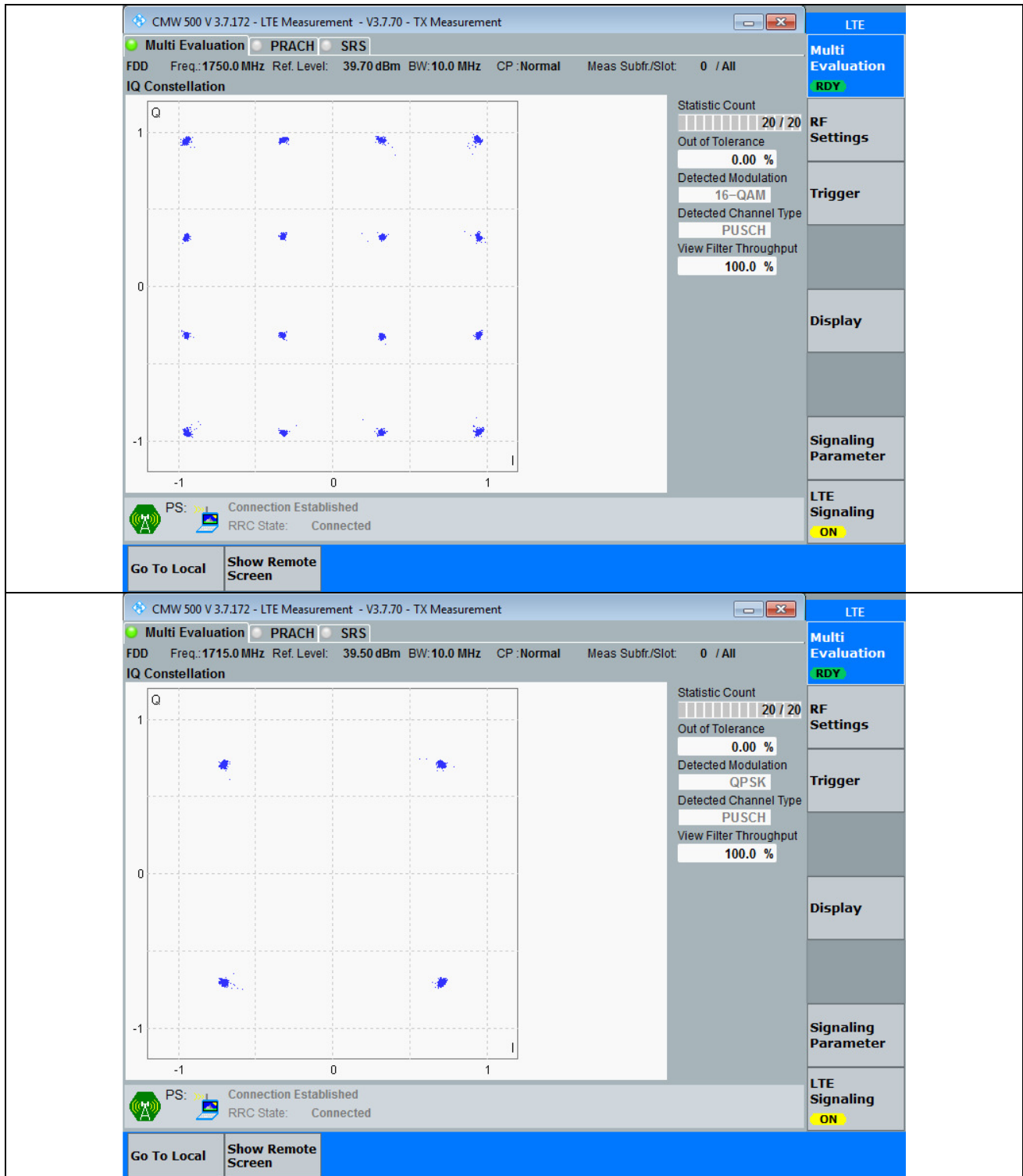


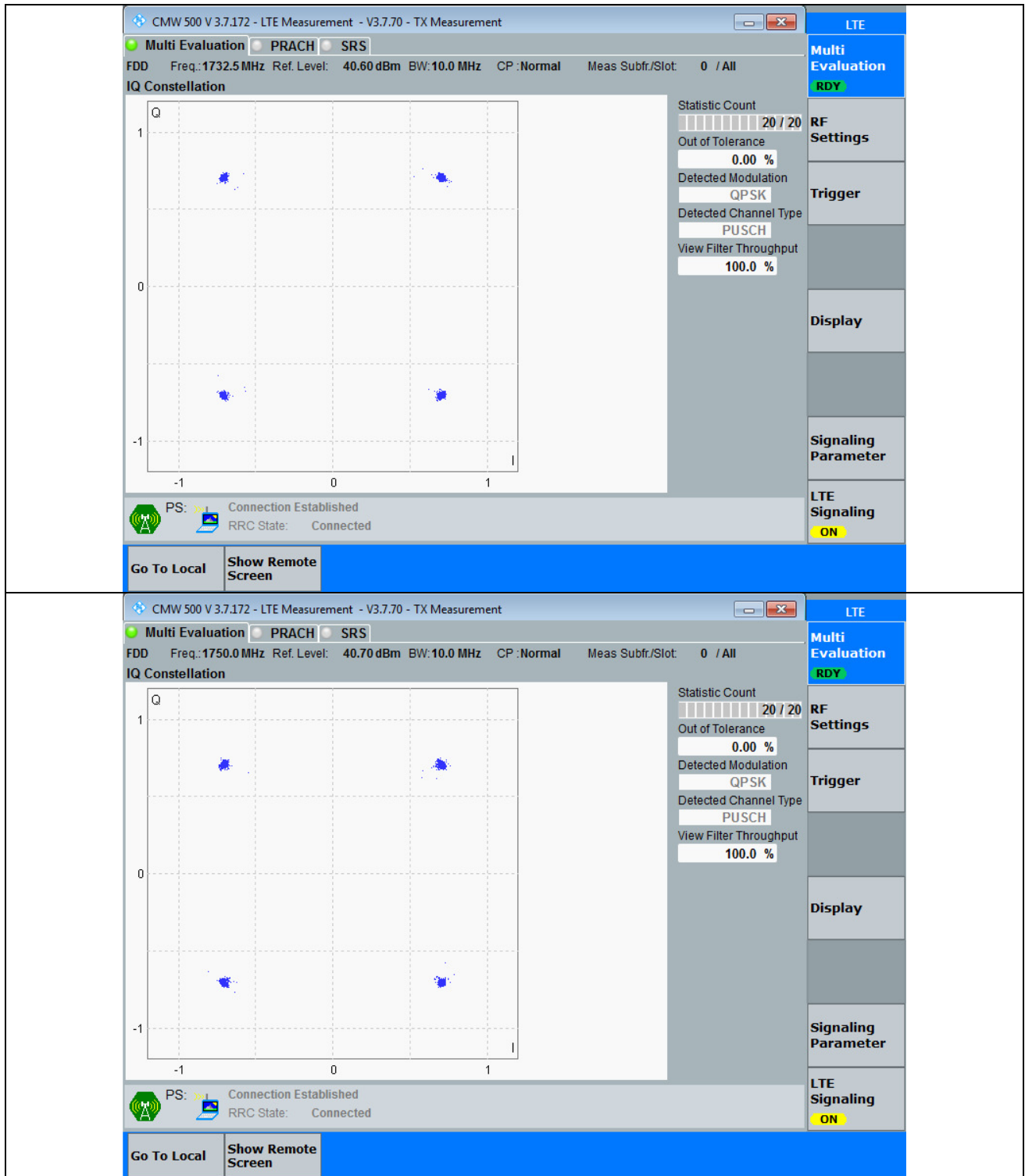




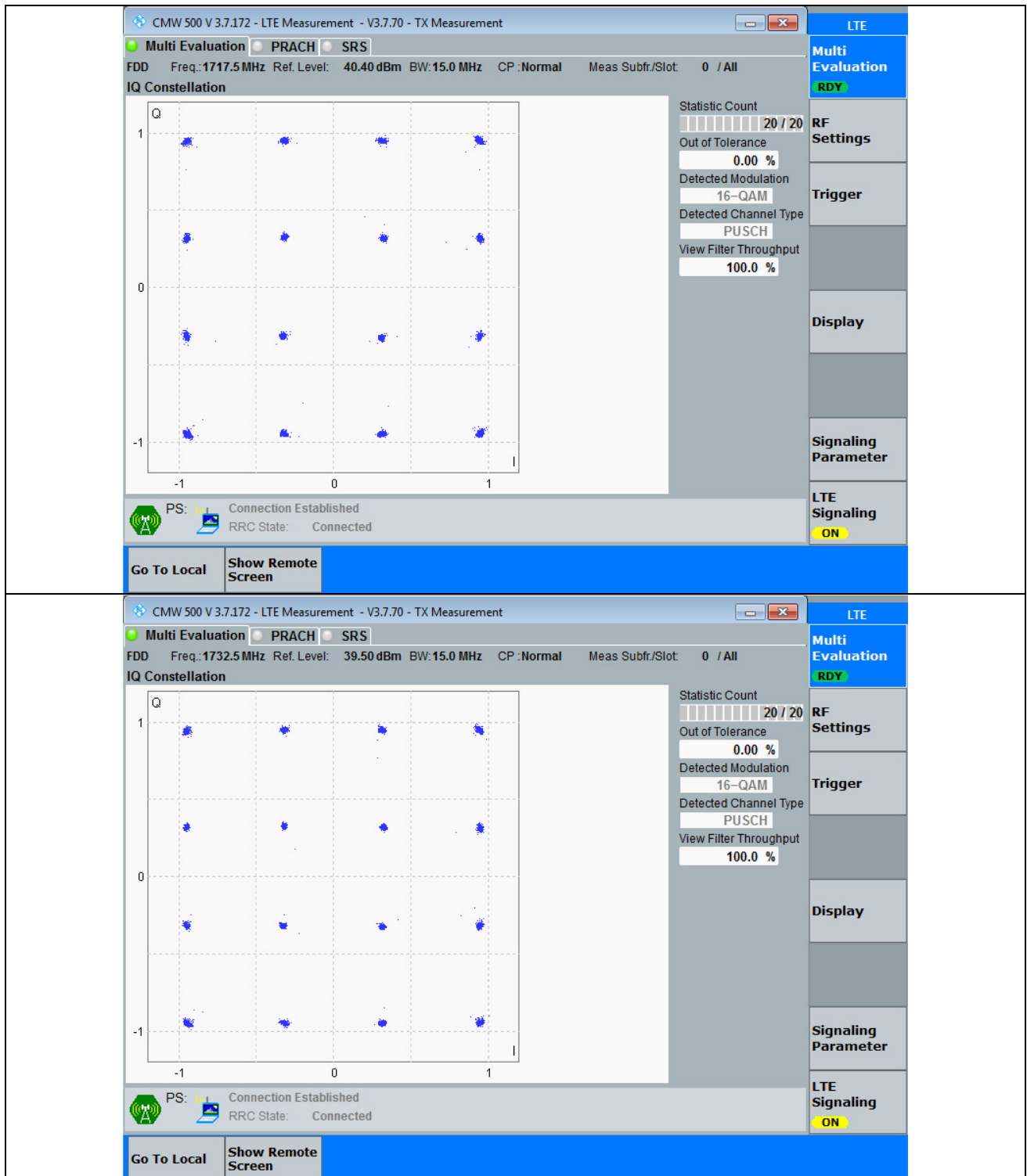
3.1 Test Graph

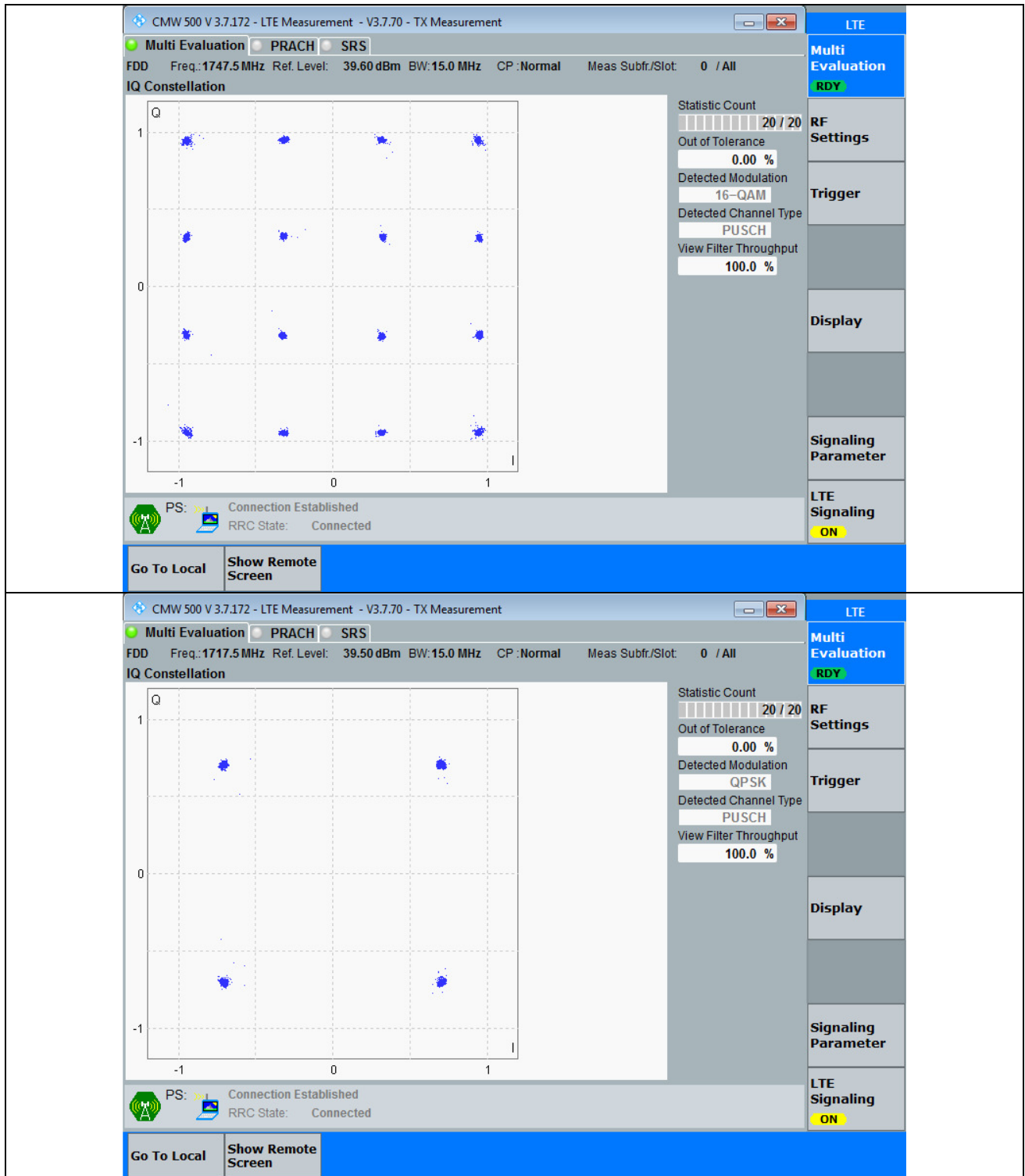


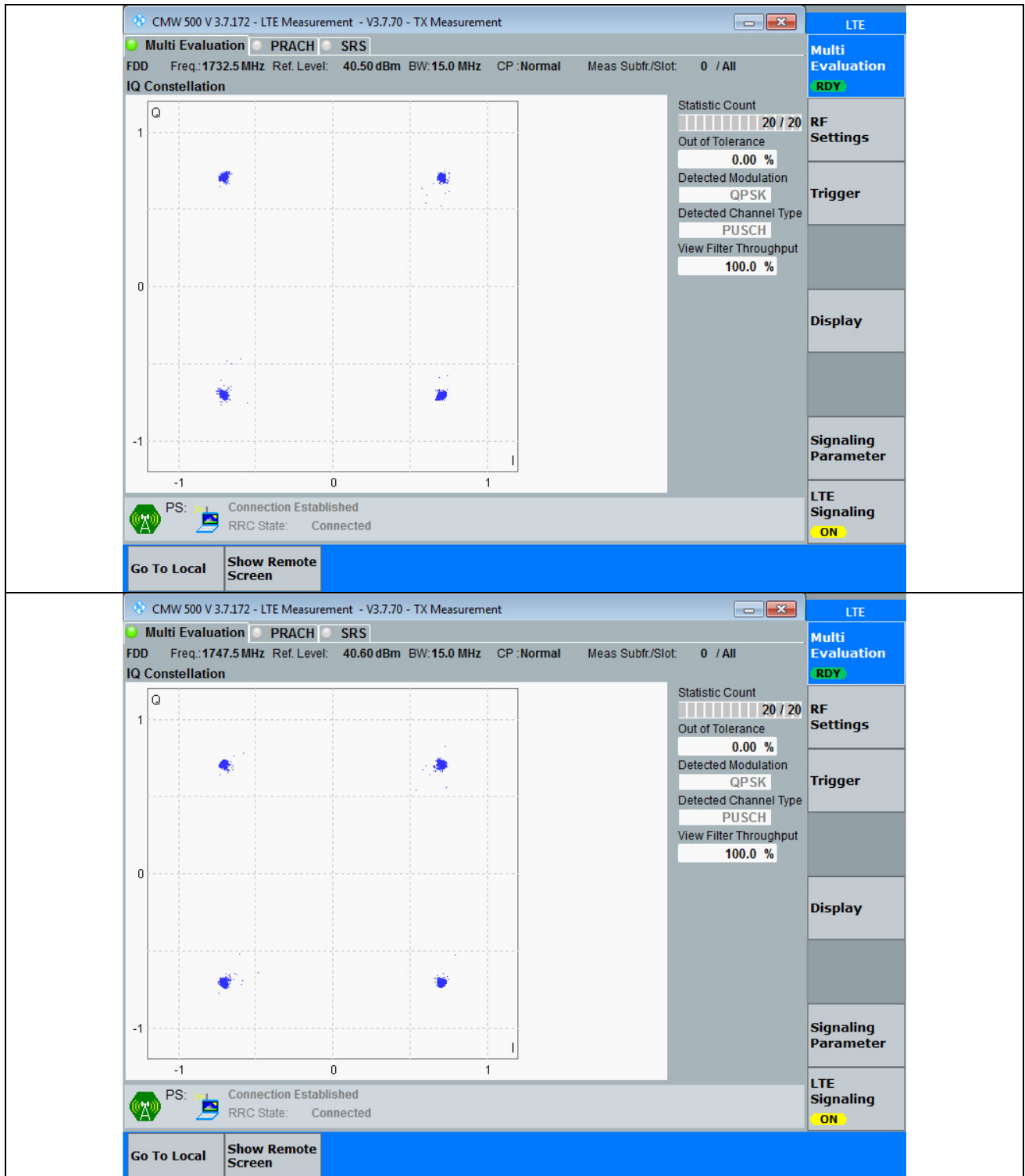




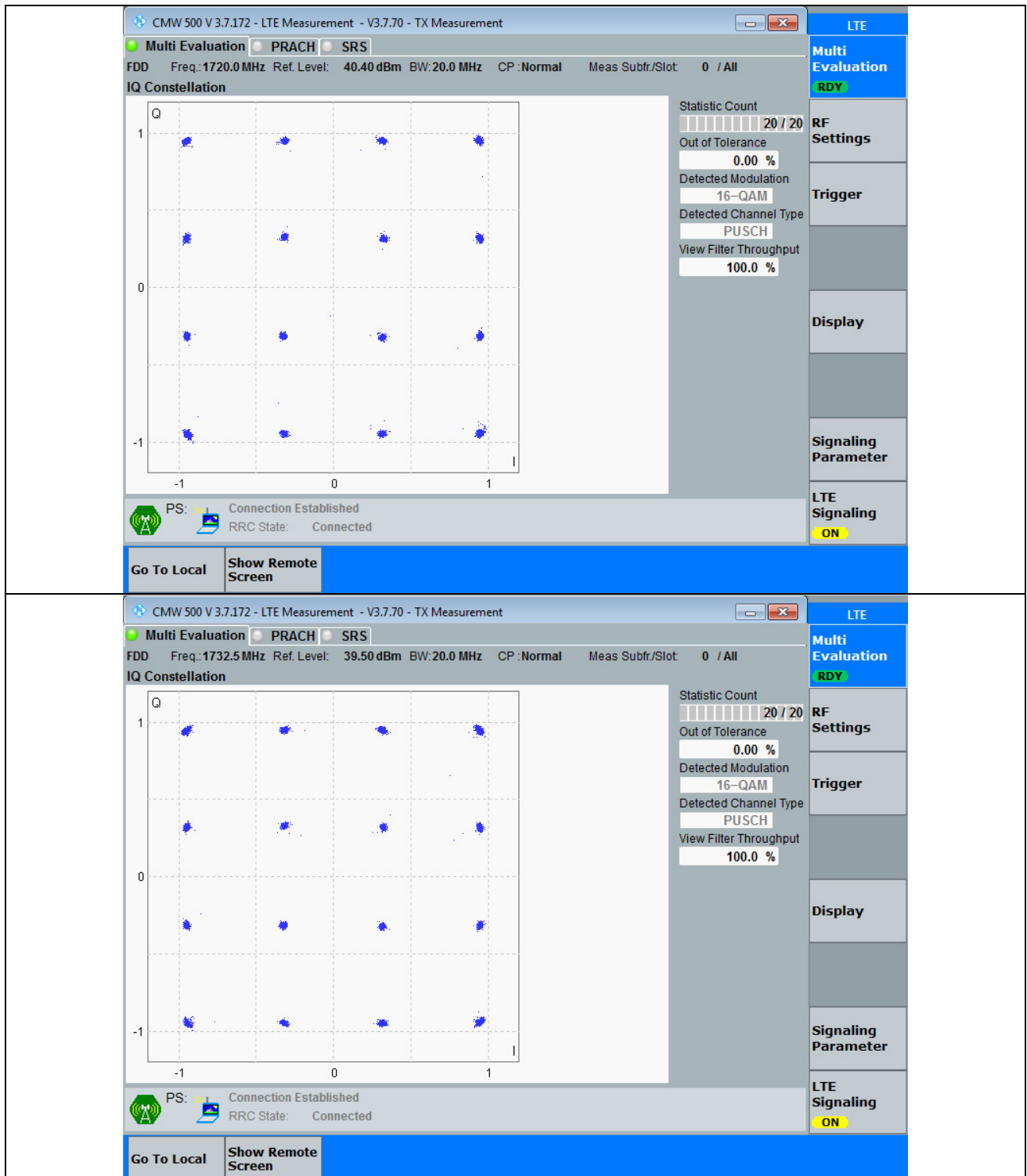
3.1 Test Graph

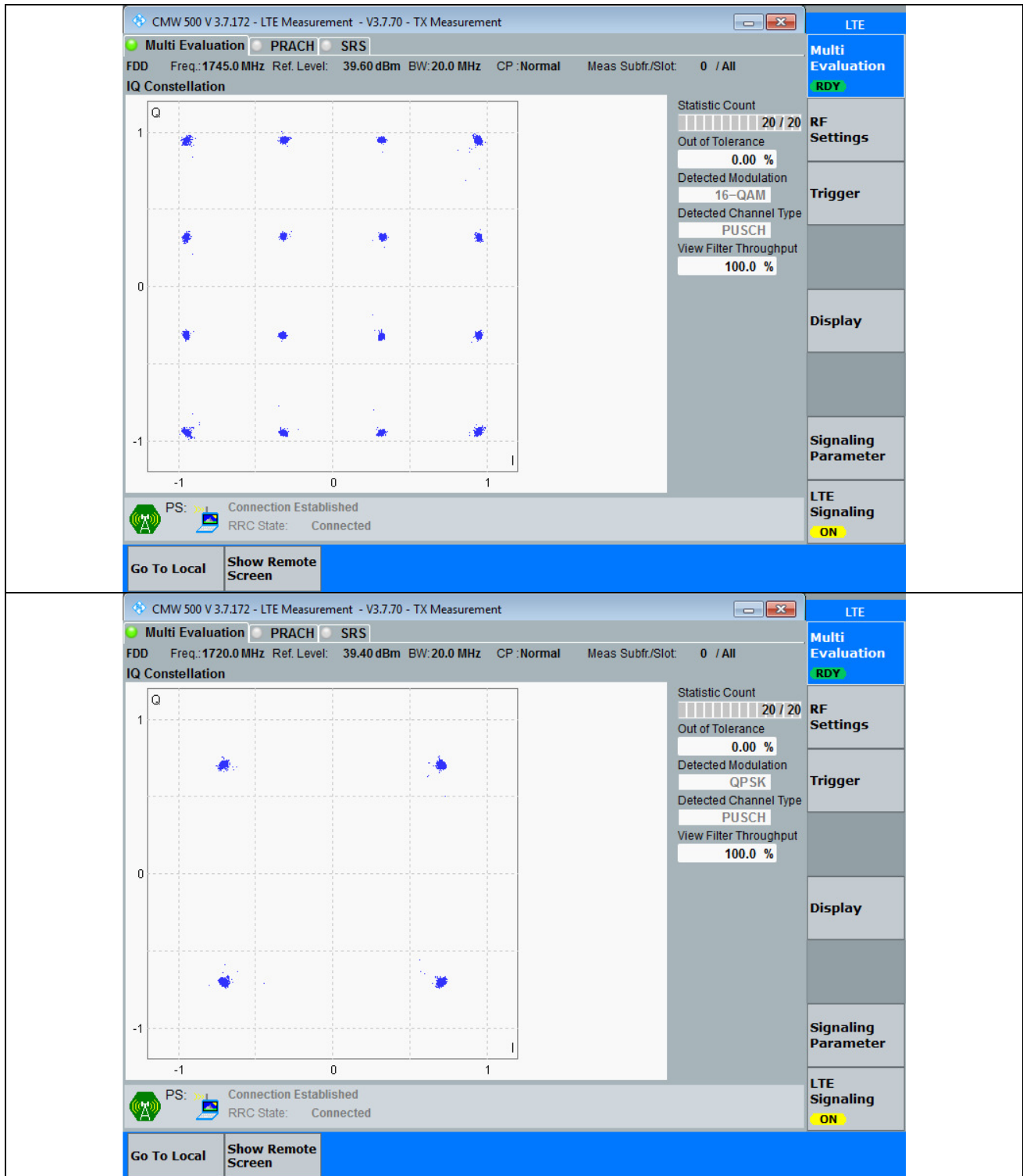


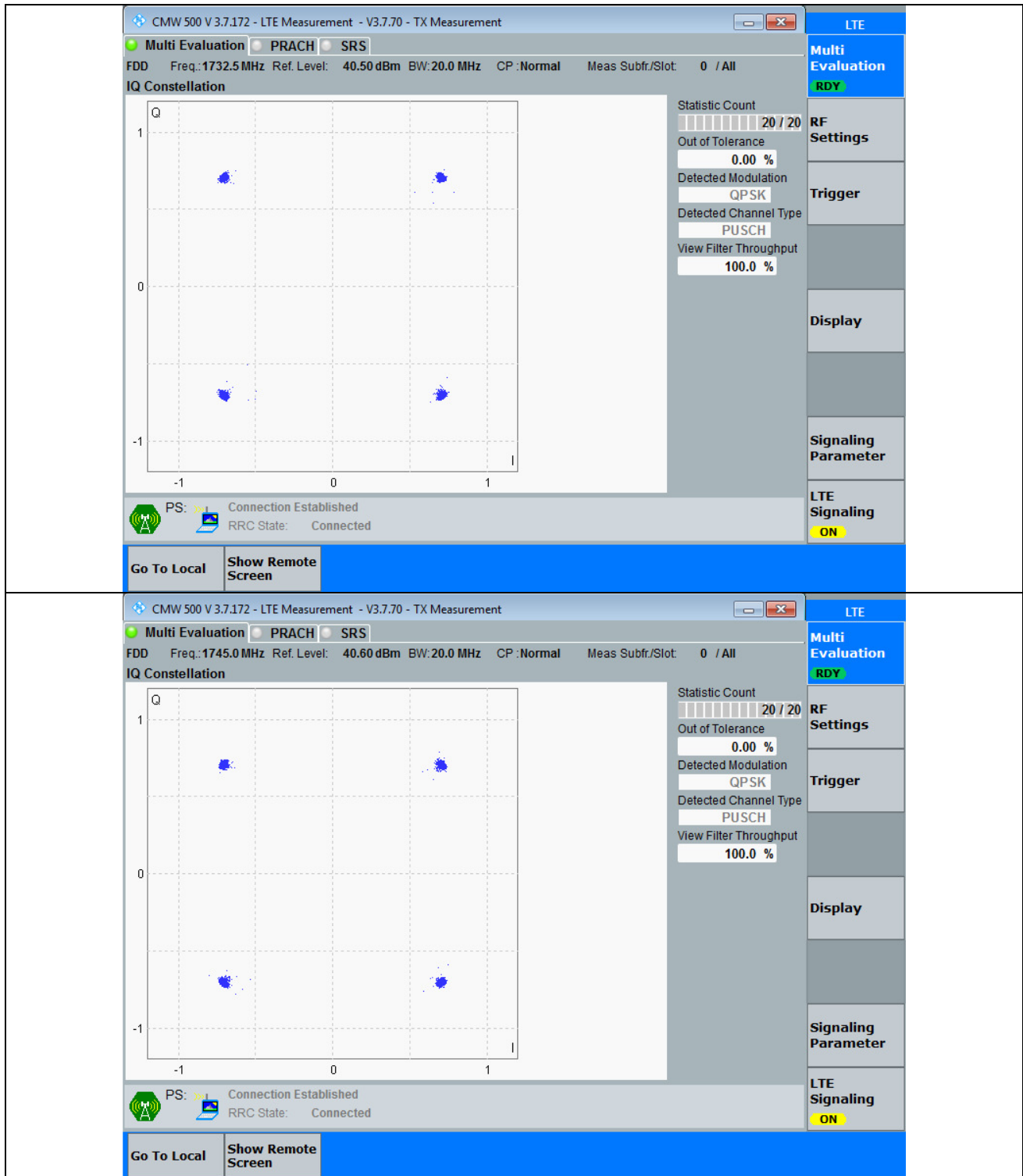




3.1 Test Graph





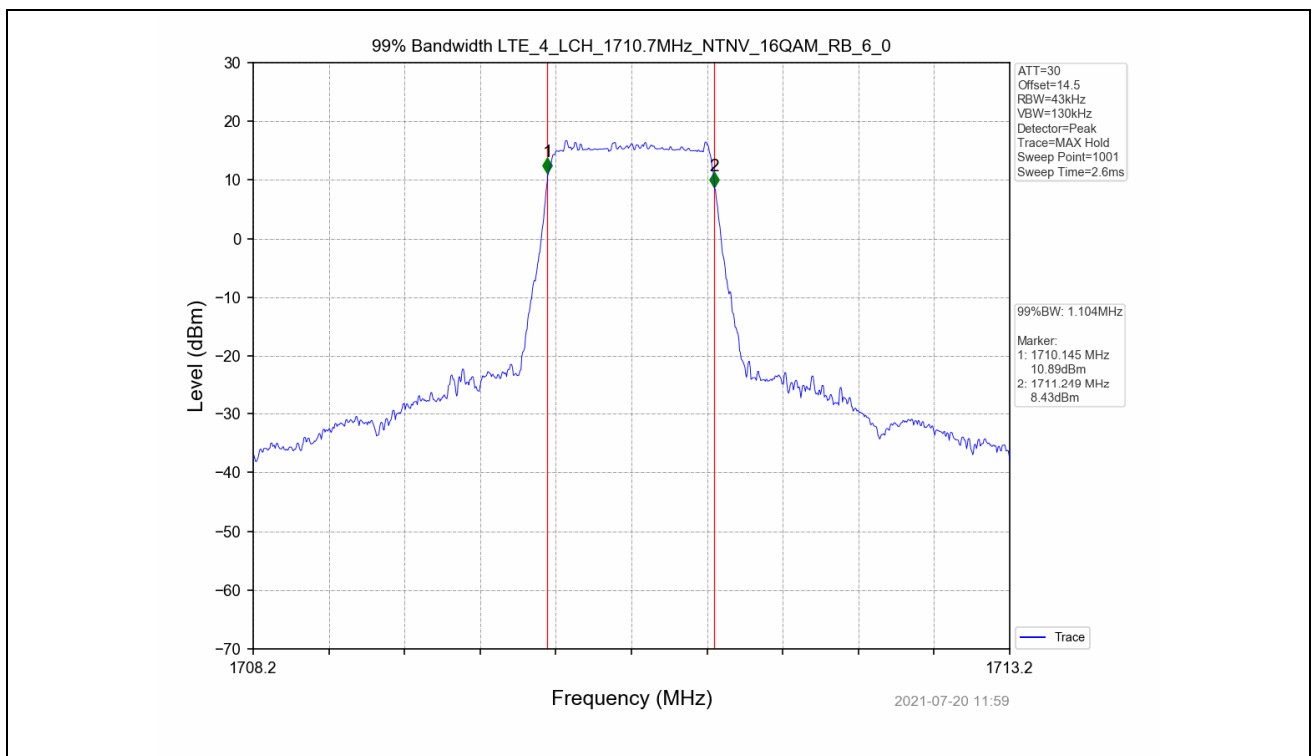


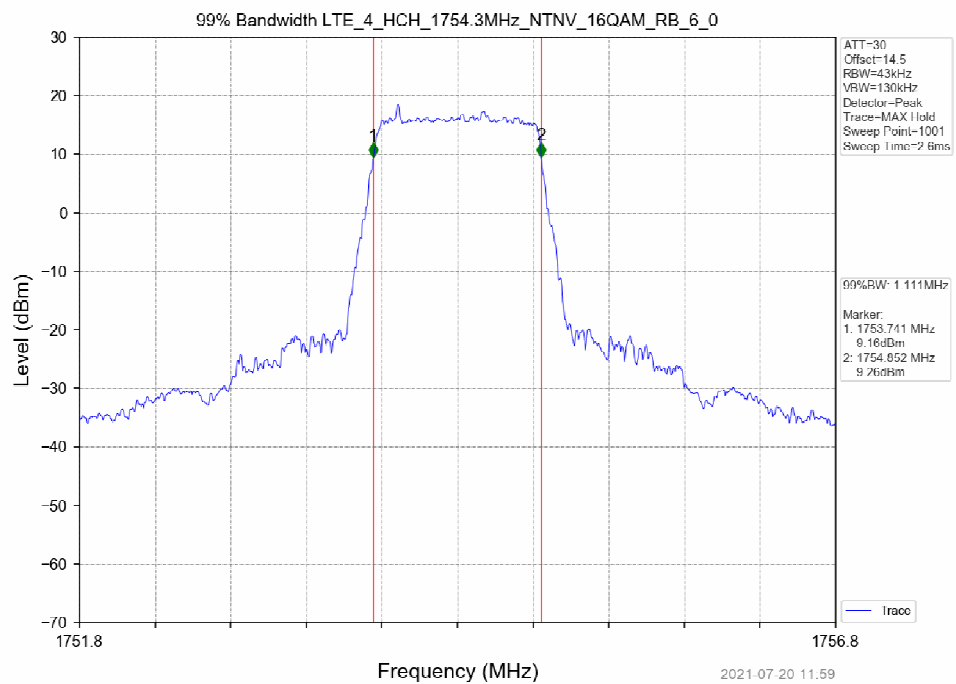
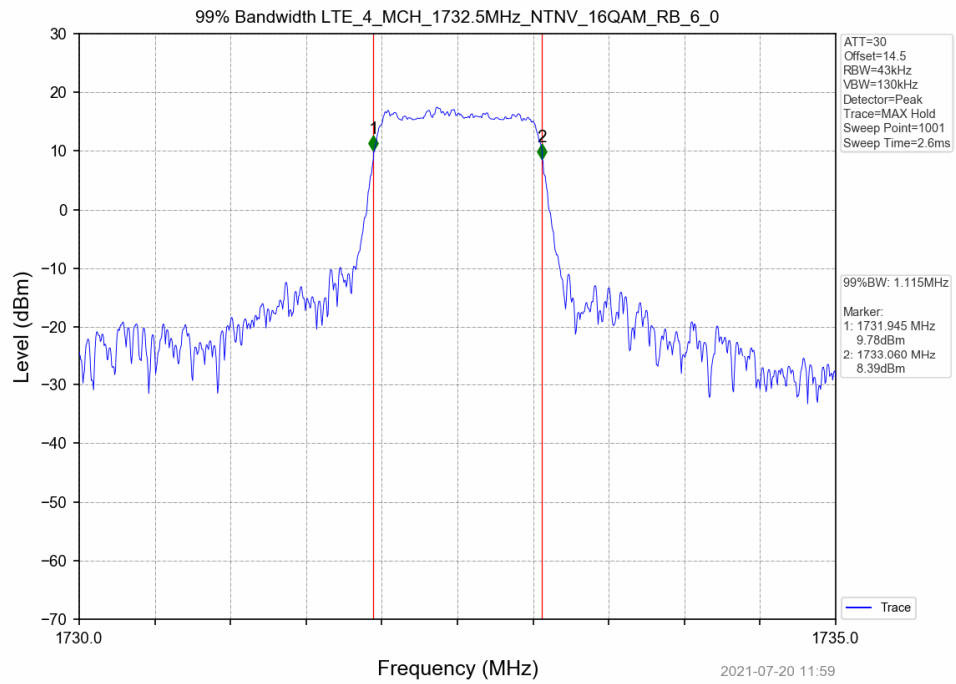
4. 99% & 26dB Bandwidth

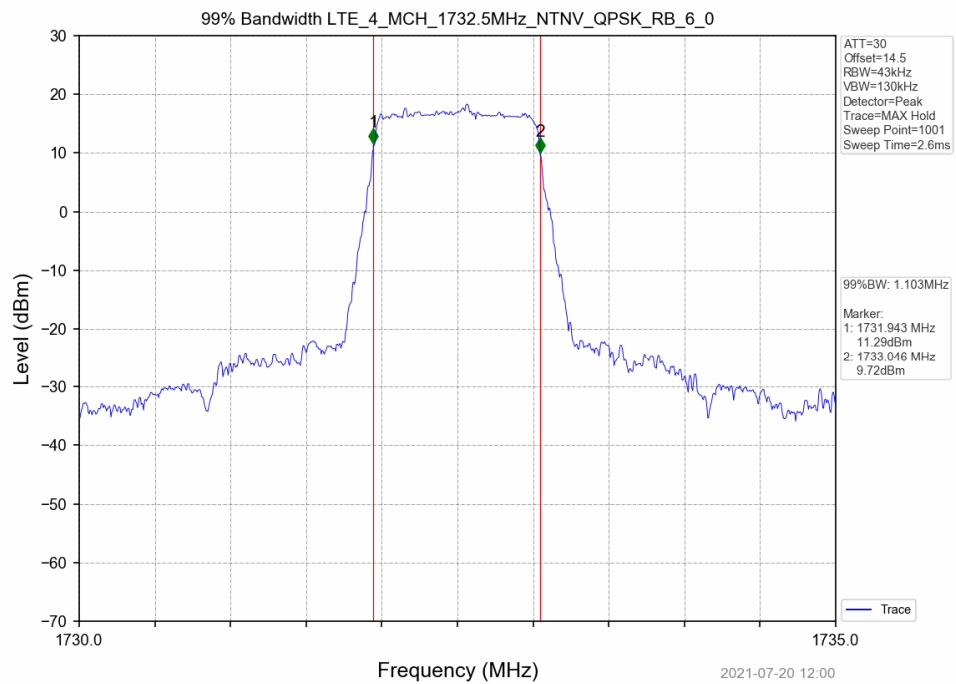
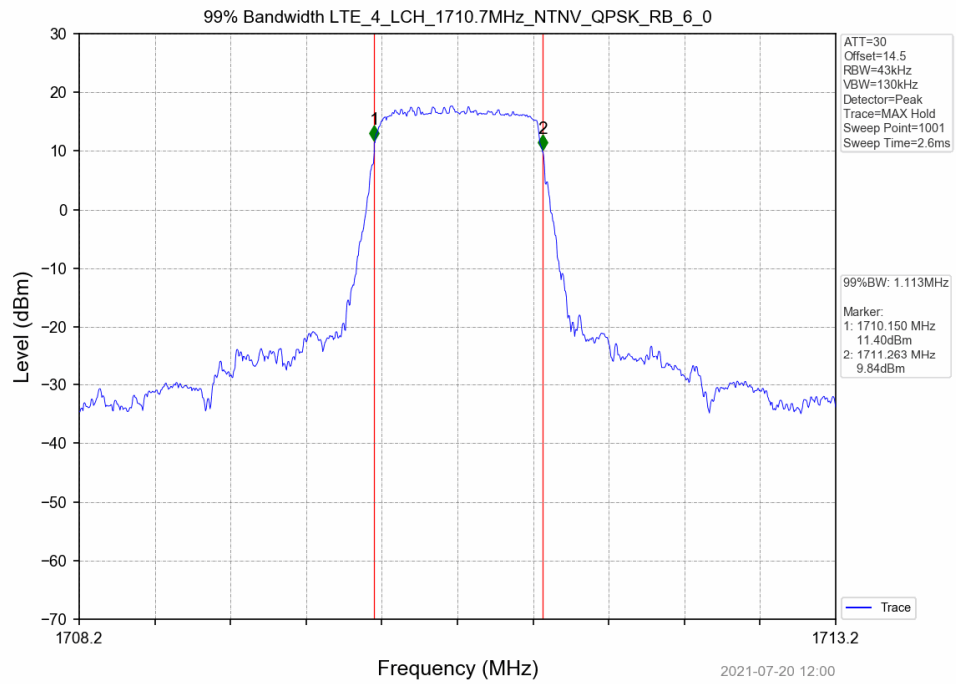
4.1 Test Result

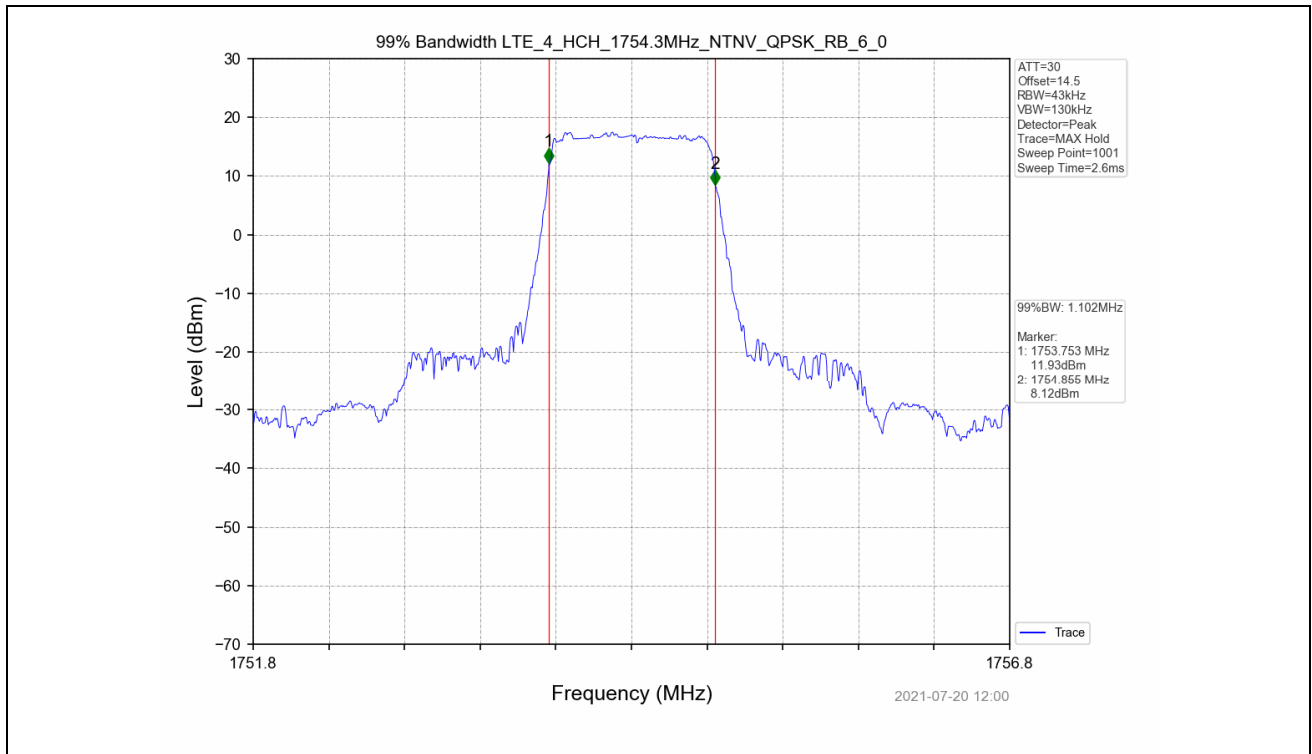
Test Band: 4 _ 1.4MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.113	1.103	1.102	N/A	PASS
16QAM	6	0	1.104	1.115	1.111	N/A	PASS

4.2 Test Graph



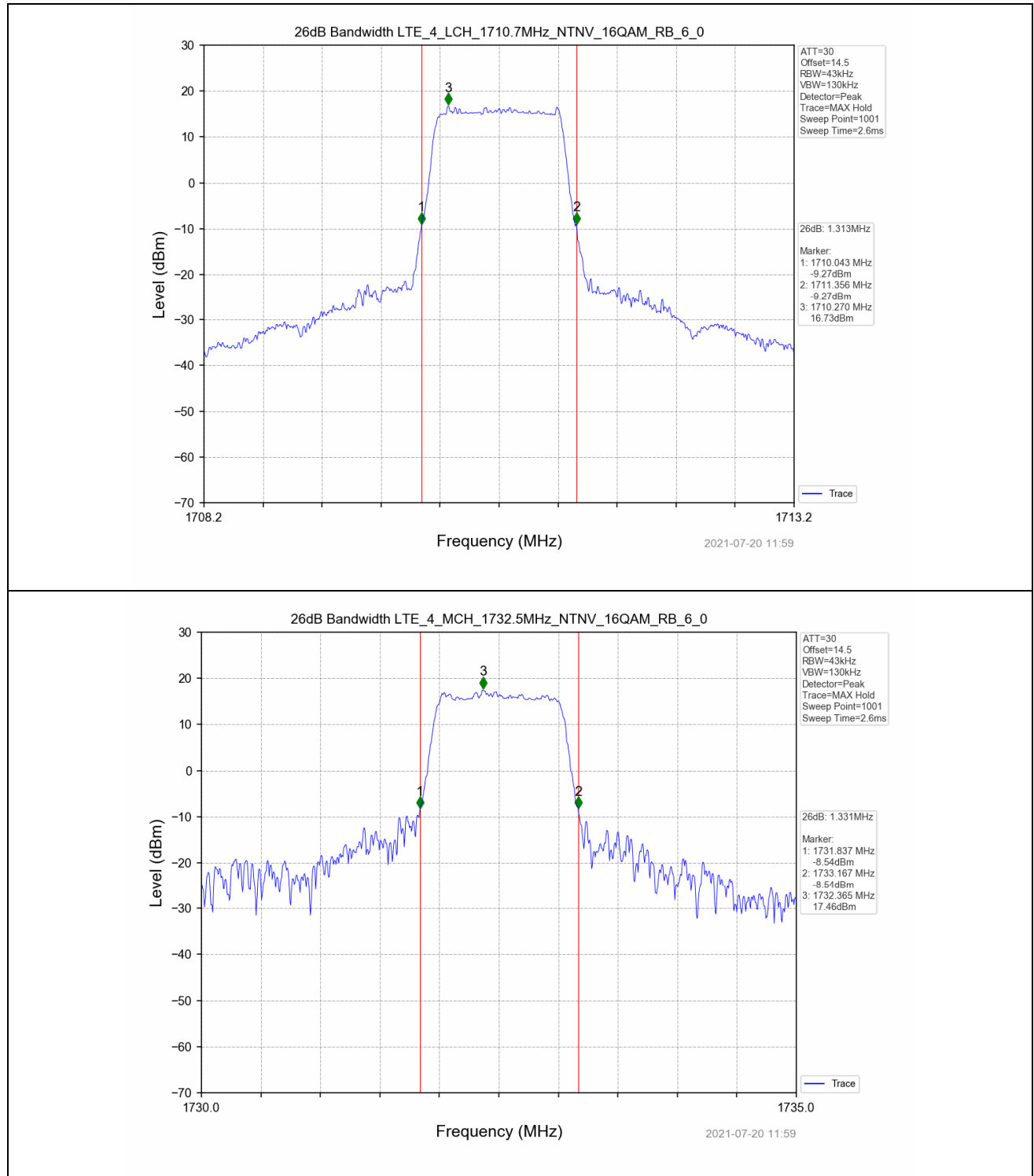


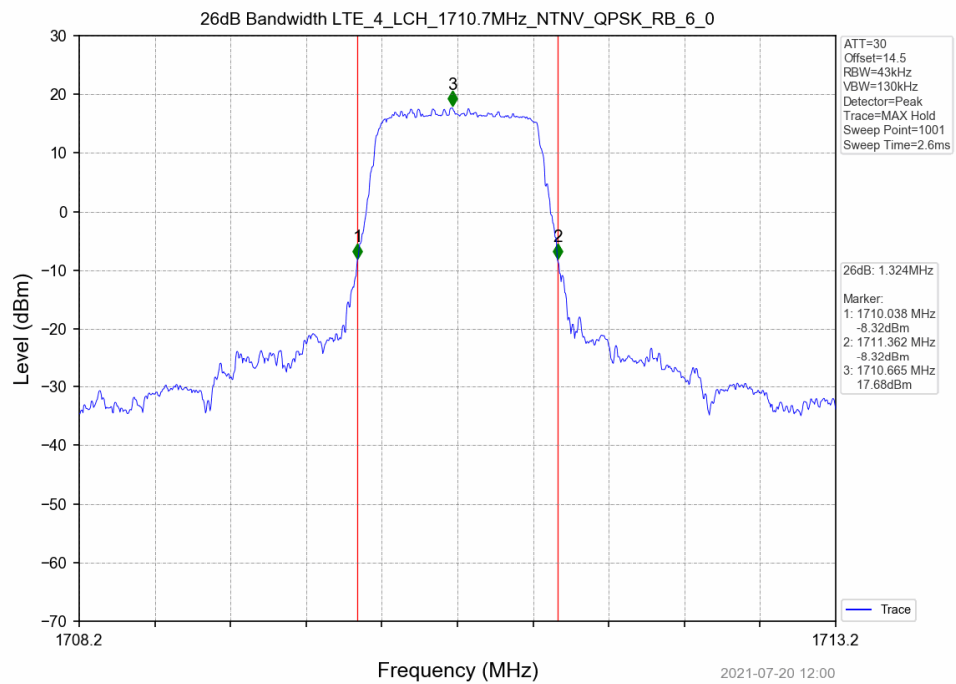
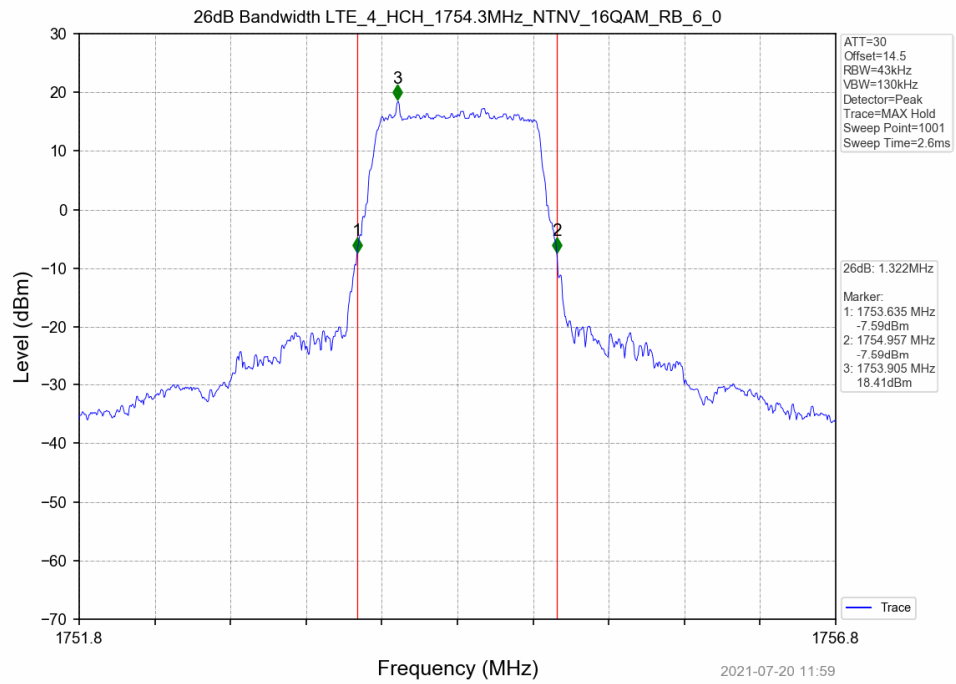


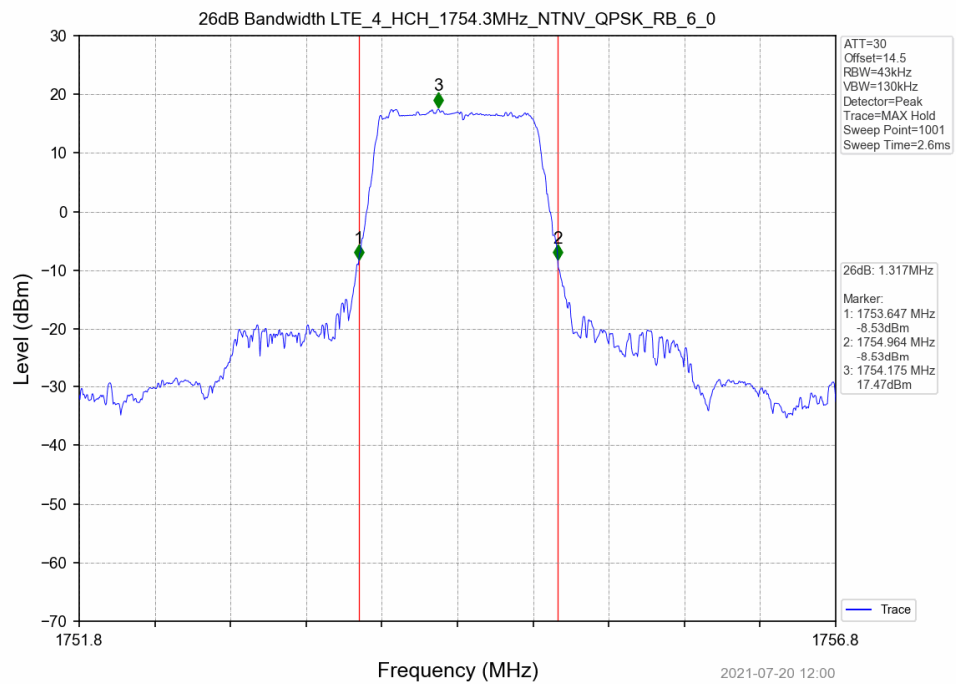
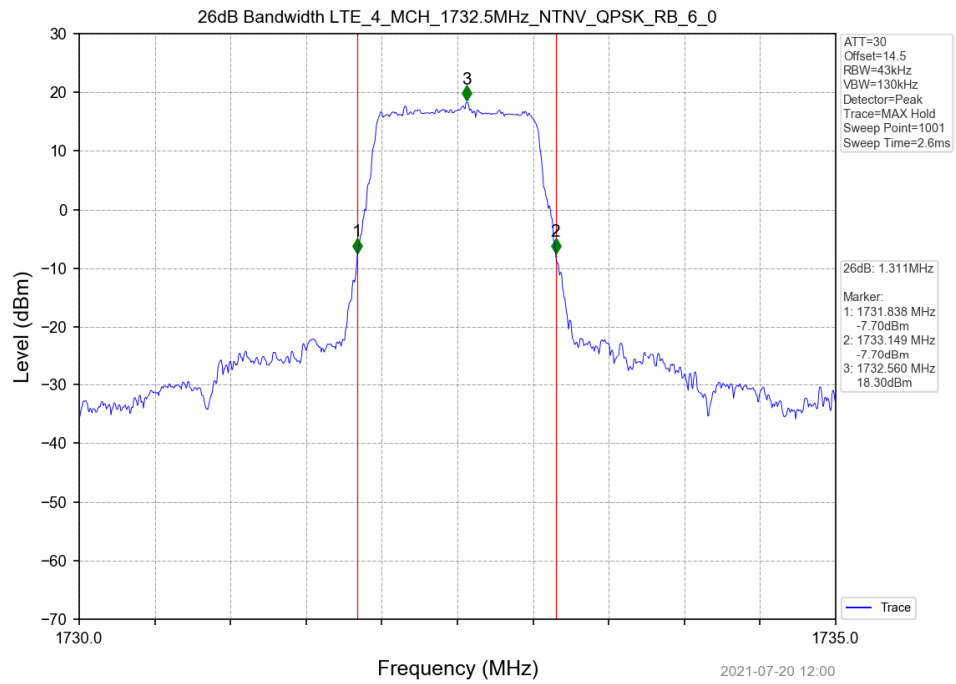


Test Band: 4 1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.324	1.311	1.317	N/A	PASS
16QAM	6	0	1.313	1.331	1.322	N/A	PASS

4.2 Test Graph

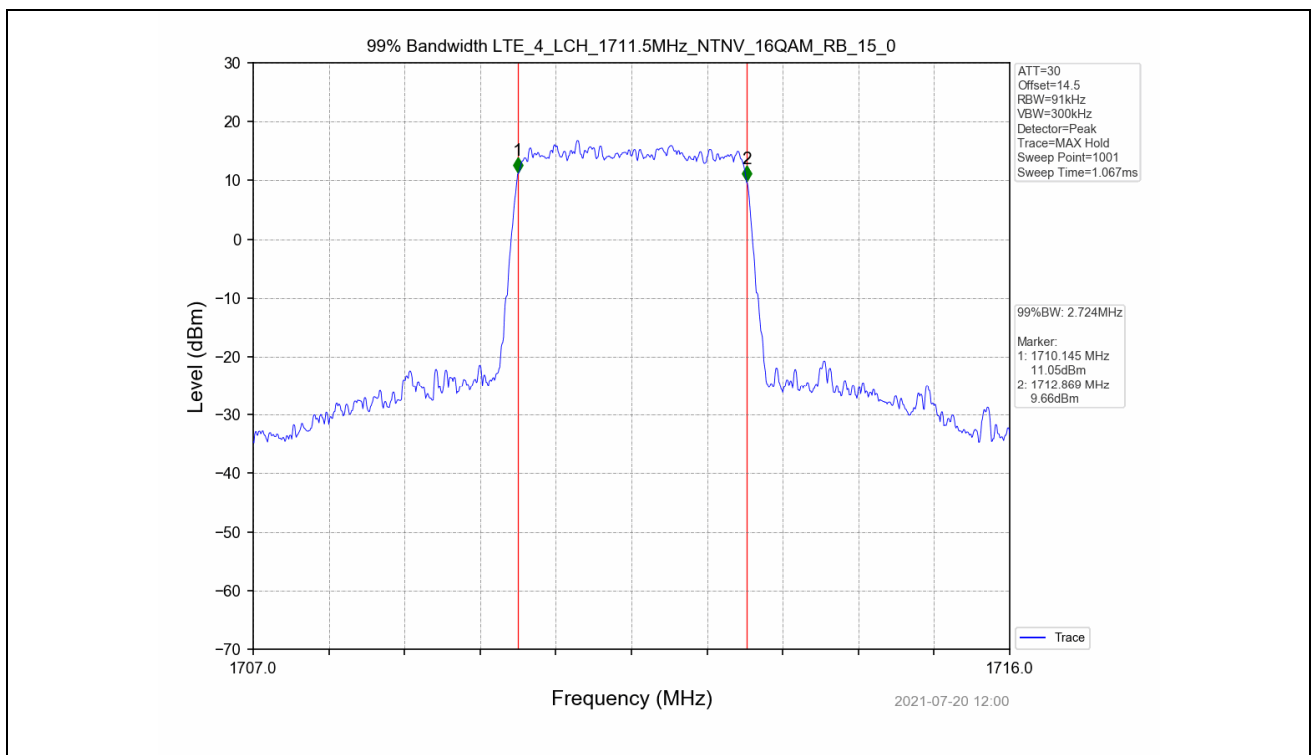


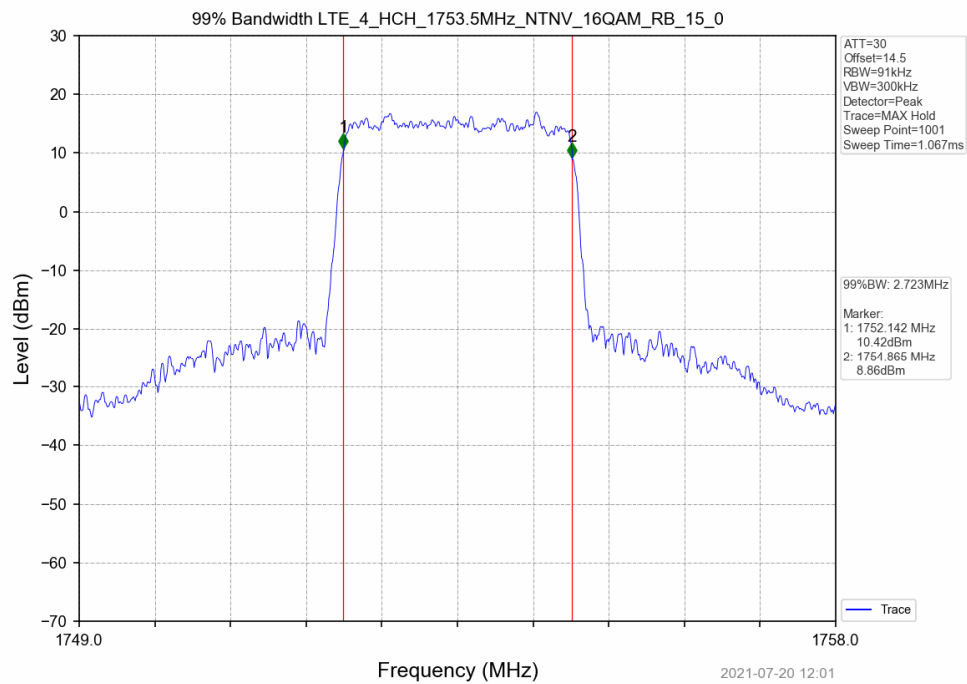
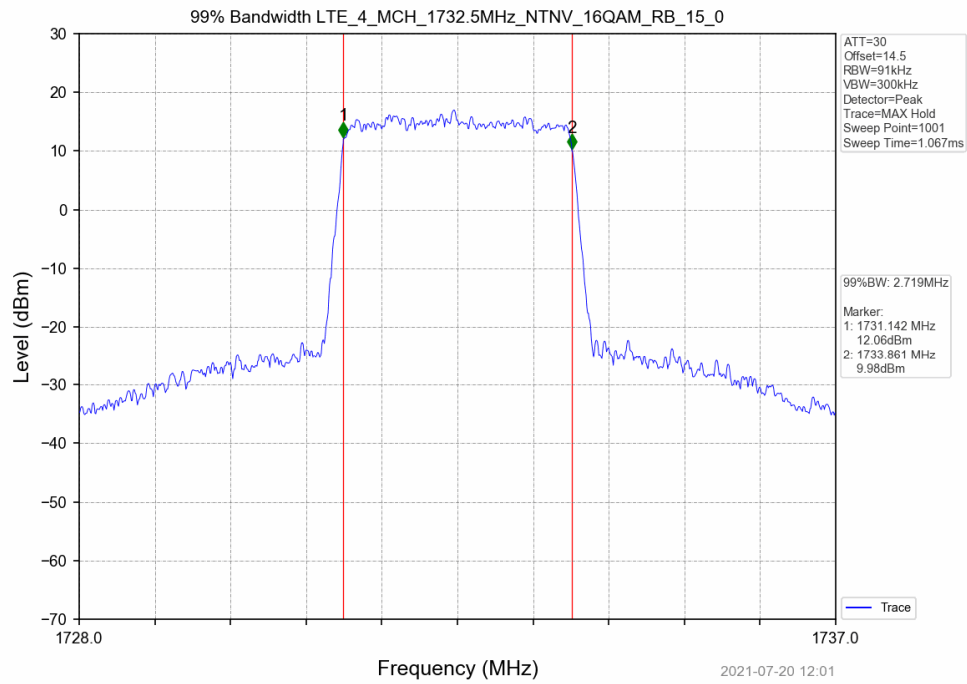


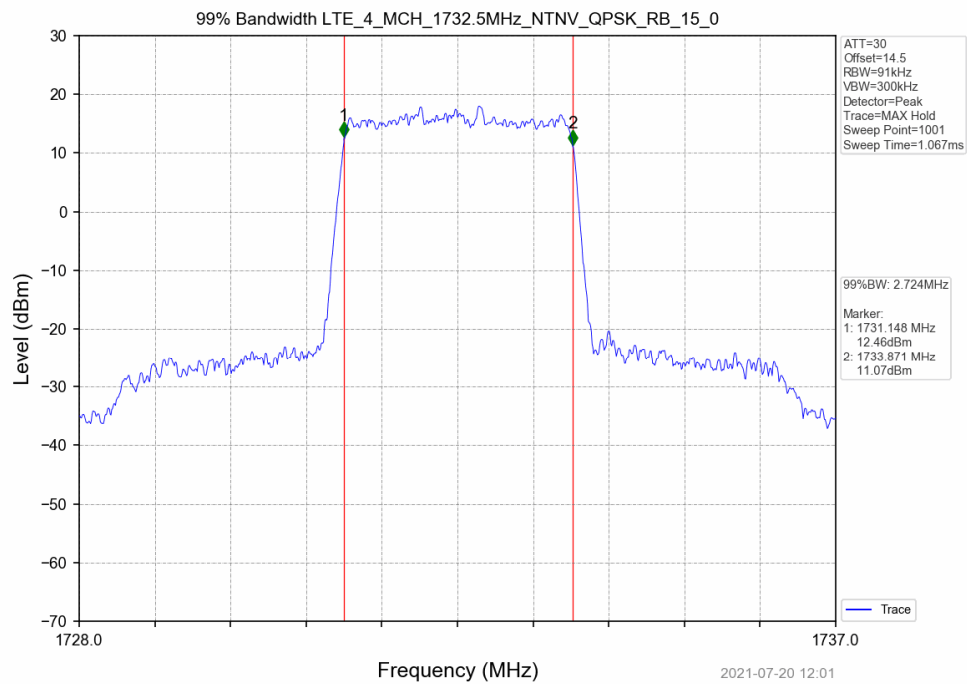
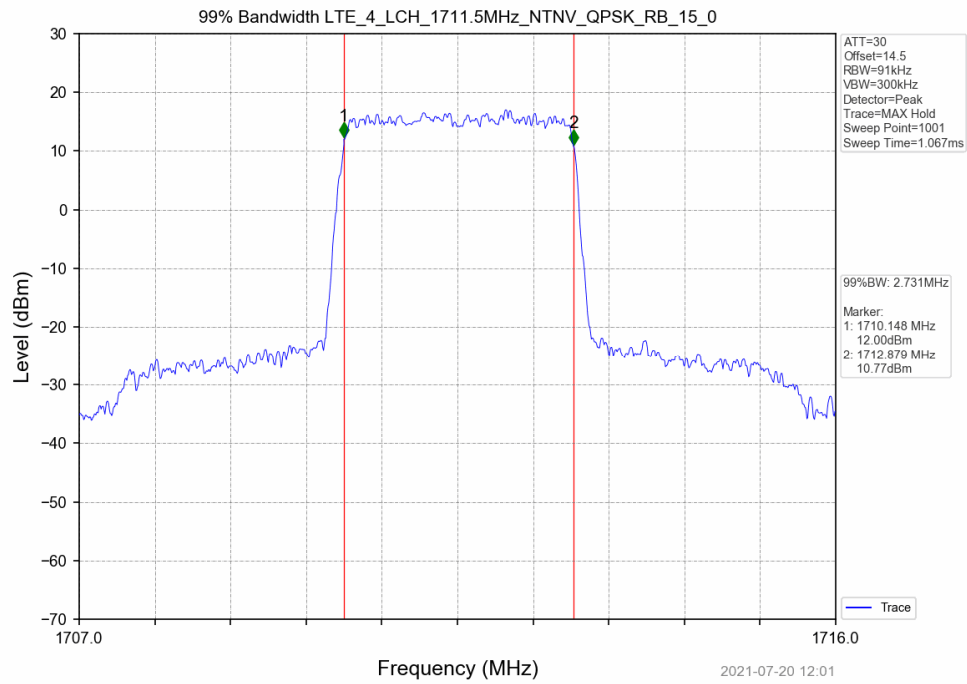


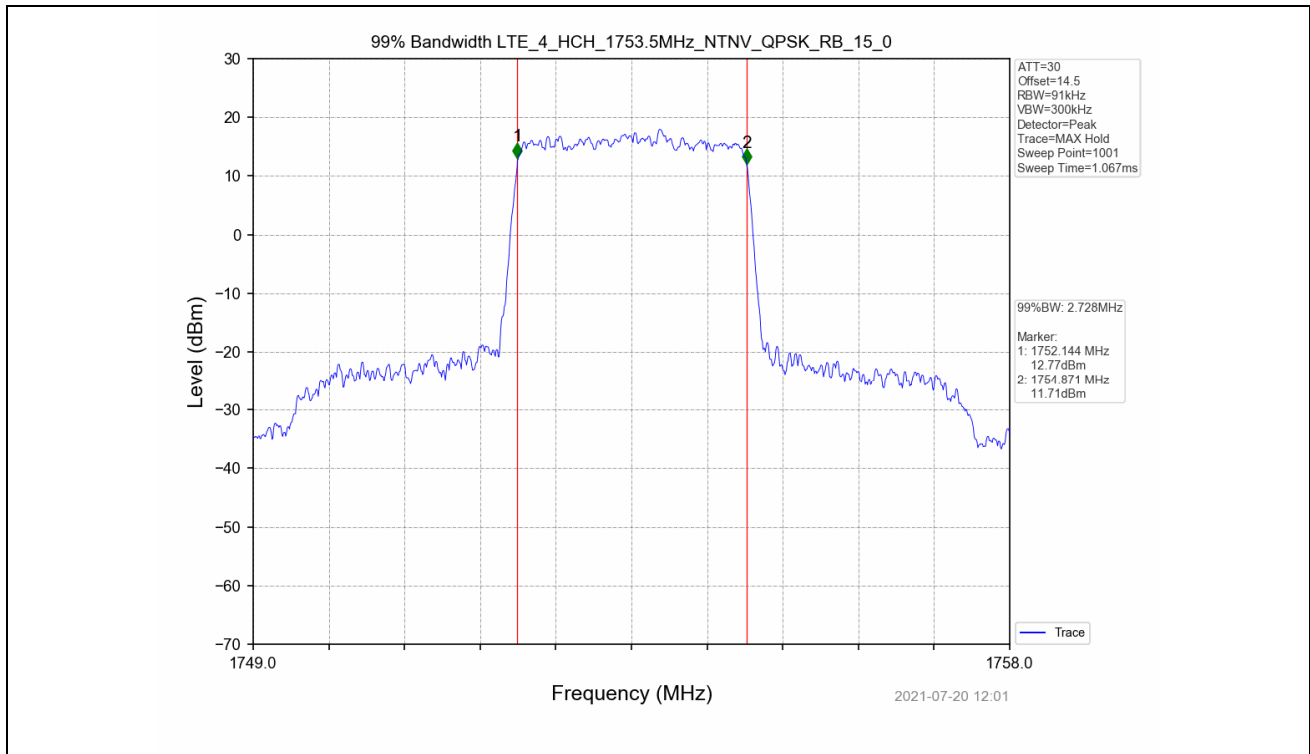
Test Band: 4 3MHz Bandwidth							
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	15	0	2.731	2.724	2.728	N/A	PASS
16QAM	15	0	2.724	2.719	2.723	N/A	PASS

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	2.996	2.985	2.974	N/A	PASS
16QAM	15	0	2.972	2.990	2.990	N/A	PASS

4.2 Test Graph

