

## 1. Effective (Isotropic) Radiated Power Output Data

### 1.1 Test Result

Test Band: 2_ 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	23.11	19.89	21.75	/	-0.33	22.78	19.56	21.42	33.01	PASS
		2	23.09	19.85	21.72	/	-0.33	22.76	19.52	21.39	33.01	PASS
		5	23.10	20.02	21.86	/	-0.33	22.77	19.69	21.53	33.01	PASS
	3	0	23.09	19.96	21.67	/	-0.33	22.76	19.63	21.34	33.01	PASS
		2	23.08	20.04	21.85	/	-0.33	22.75	19.71	21.52	33.01	PASS
		3	23.14	20.04	21.91	/	-0.33	22.81	19.71	21.58	33.01	PASS
6	0	22.06	18.84	20.49	/	-0.33	21.73	18.51	20.16	33.01	PASS	
16QAM	1	0	22.18	18.88	20.63	/	-0.33	21.85	18.55	20.3	33.01	PASS
		2	22.14	18.84	20.66	/	-0.33	21.81	18.51	20.33	33.01	PASS
		5	22.21	18.90	20.72	/	-0.33	21.88	18.57	20.39	33.01	PASS
	3	0	22.15	18.97	20.41	/	-0.33	21.82	18.64	20.08	33.01	PASS
		2	22.12	19.04	20.46	/	-0.33	21.79	18.71	20.13	33.01	PASS
		3	22.12	19.05	20.51	/	-0.33	21.79	18.72	20.18	33.01	PASS
6	0	20.80	17.85	19.27	/	-0.33	20.47	17.52	18.94	33.01	PASS	

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

Test Band: 2_ 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	23.63	20.29	22.10	/	-0.33	23.3	19.96	21.77	33.01	PASS
		7	23.57	20.49	22.44	/	-0.33	23.24	20.16	22.11	33.01	PASS
		14	23.38	20.60	22.50	/	-0.33	23.05	20.27	22.17	33.01	PASS
	8	0	22.38	19.20	20.74	/	-0.33	22.05	18.87	20.41	33.01	PASS
		4	22.29	19.27	20.93	/	-0.33	21.96	18.94	20.6	33.01	PASS
		7	22.28	19.38	21.06	/	-0.33	21.95	19.05	20.73	33.01	PASS
15	0	22.36	19.24	20.94	/	-0.33	22.03	18.91	20.61	33.01	PASS	
16QAM	1	0	22.38	19.13	21.11	/	-0.33	22.05	18.8	20.78	33.01	PASS
		7	22.46	19.29	21.39	/	-0.33	22.13	18.96	21.06	33.01	PASS
		14	22.23	19.35	21.53	/	-0.33	21.9	19.02	21.2	33.01	PASS
	8	0	21.25	18.13	19.71	/	-0.33	20.92	17.8	19.38	33.01	PASS
		4	21.18	18.23	19.81	/	-0.33	20.85	17.9	19.48	33.01	PASS
		7	21.17	18.32	19.95	/	-0.33	20.84	17.99	19.62	33.01	PASS
15	0	21.19	18.17	19.77	/	-0.33	20.86	17.84	19.44	33.01	PASS	

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

Test Band: 2 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	24.03	20.71	22.50	/	-0.33	23.7	20.38	22.17	33.01	PASS	
		13	23.72	20.74	22.65	/	-0.33	23.39	20.41	22.32	33.01	PASS	
		24	23.71	21.09	23.02	/	-0.33	23.38	20.76	22.69	33.01	PASS	
	12	0	22.55	19.30	20.78	/	-0.33	22.22	18.97	20.45	33.01	PASS	
		6	22.52	19.47	21.04	/	-0.33	22.19	19.14	20.71	33.01	PASS	
		13	22.30	19.64	21.30	/	-0.33	21.97	19.31	20.97	33.01	PASS	
	25	0	22.41	19.40	21.00	/	-0.33	22.08	19.07	20.67	33.01	PASS	
	16QAM	1	0	22.85	19.53	20.66	/	-0.33	22.52	19.2	20.33	33.01	PASS
			13	22.63	19.58	20.81	/	-0.33	22.3	19.25	20.48	33.01	PASS
24			22.51	20.05	21.25	/	-0.33	22.18	19.72	20.92	33.01	PASS	
12		0	21.44	18.09	19.49	/	-0.33	21.11	17.76	19.16	33.01	PASS	
		6	21.46	18.27	19.71	/	-0.33	21.13	17.94	19.38	33.01	PASS	
		13	21.31	18.45	19.78	/	-0.33	20.98	18.12	19.45	33.01	PASS	
25		0	21.28	18.23	19.63	/	-0.33	20.95	17.9	19.3	33.01	PASS	

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

Test Band: 2 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	24.30	20.78	22.62	/	-0.33	23.97	20.45	22.29	33.01	PASS	
		25	23.70	20.73	22.33	/	-0.33	23.37	20.4	22	33.01	PASS	
		49	23.34	21.96	22.59	/	-0.33	23.01	21.63	22.26	33.01	PASS	
	25	0	22.42	19.26	20.58	/	-0.33	22.09	18.93	20.25	33.01	PASS	
		13	22.31	19.57	20.78	/	-0.33	21.98	19.24	20.45	33.01	PASS	
		25	21.94	19.88	20.92	/	-0.33	21.61	19.55	20.59	33.01	PASS	
	50	0	22.18	19.44	20.76	/	-0.33	21.85	19.11	20.43	33.01	PASS	
	16QAM	1	0	23.09	19.48	21.65	/	-0.33	22.76	19.15	21.32	33.01	PASS
			25	22.45	19.54	21.35	/	-0.33	22.12	19.21	21.02	33.01	PASS
49			21.99	20.51	22.19	/	-0.33	21.66	20.18	21.86	33.01	PASS	
25		0	21.23	18.15	19.50	/	-0.33	20.9	17.82	19.17	33.01	PASS	
		13	21.21	18.35	19.56	/	-0.33	20.88	18.02	19.23	33.01	PASS	
		25	20.84	18.68	19.60	/	-0.33	20.51	18.35	19.27	33.01	PASS	
50		0	22.70	20.68	22.89	/	-0.33	22.37	20.35	22.56	33.01	PASS	

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

Test Band: 2 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	23.80	20.47	22.68	/	-0.33	23.47	20.14	22.35	33.01	PASS	
		38	23.10	20.44	21.73	/	-0.33	22.77	20.11	21.4	33.01	PASS	
		74	21.85	21.89	22.28	/	-0.33	21.52	21.56	21.95	33.01	PASS	
	36	0	22.22	18.99	21.02	/	-0.33	21.89	18.66	20.69	33.01	PASS	
		18	21.96	19.19	20.81	/	-0.33	21.63	18.86	20.48	33.01	PASS	
		39	21.41	19.93	20.57	/	-0.33	21.08	19.6	20.24	33.01	PASS	
	75	0	21.77	19.26	20.76	/	-0.33	21.44	18.93	20.43	33.01	PASS	
			22.48	19.80	21.76	/	-0.33	22.15	19.47	21.43	33.01	PASS	
			21.82	19.72	20.64	/	-0.33	21.49	19.39	20.31	33.01	PASS	
16QAM	1	74	23.37	21.01	20.77	/	-0.33	23.04	20.68	20.44	33.01	PASS	
		0	23.16	21.34	21.56	/	-0.33	22.83	21.01	21.23	33.01	PASS	
		18	23.23	21.30	21.52	/	-0.33	22.9	20.97	21.19	33.01	PASS	
	36	39	23.15	-28.32	21.62	/	-0.33	22.82	-28.65	21.29	33.01	PASS	
		75	0	23.13	20.23	21.58	/	-0.33	22.8	19.9	21.25	33.01	PASS

Note:

1) dBd = dBi - 2.15

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

Test Band: 2 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	23.50	20.60	22.96	/	-0.33	23.17	20.27	22.63	33.01	PASS	
		50	22.59	20.56	22.16	/	-0.33	22.26	20.23	21.83	33.01	PASS	
		99	20.77	22.47	22.79	/	-0.33	20.44	22.14	22.46	33.01	PASS	
	50	0	22.01	19.03	21.64	/	-0.33	21.68	18.7	21.31	33.01	PASS	
		25	21.57	19.27	21.14	/	-0.33	21.24	18.94	20.81	33.01	PASS	
		50	20.43	20.14	20.60	/	-0.33	20.1	19.81	20.27	33.01	PASS	
	100	0	21.34	19.26	20.75	/	-0.33	21.01	18.93	20.42	33.01	PASS	
			22.46	19.66	21.59	/	-0.33	22.13	19.33	21.26	33.01	PASS	
			22.01	19.65	21.05	/	-0.33	21.68	19.32	20.72	33.01	PASS	
16QAM	1	99	19.74	21.63	20.73	/	-0.33	19.41	21.3	20.4	33.01	PASS	
		0	20.85	20.89	21.40	/	-0.33	20.52	20.56	21.07	33.01	PASS	
		25	22.55	20.86	21.38	/	-0.33	22.22	20.53	21.05	33.01	PASS	
	50	50	22.71	20.94	21.38	/	-0.33	22.38	20.61	21.05	33.01	PASS	
		100	0	22.60	20.92	21.46	/	-0.33	22.27	20.59	21.13	33.01	PASS

Note:

1) dBd = dBi - 2.15

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

## 2. Frequency stability

### 2.1 Test Result

Test Band: 2_ 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	-19.0973	-14.1764	-23.0598	-0.0103	-0.0075	-0.0121	2.50	PASS
				NV	-11.4298	-0.3862	-9.4271	-0.0062	-0.0002	-0.0049	2.50	PASS
				HV	-14.5483	-12.9747	-6.8522	-0.0079	-0.0069	-0.0036	2.50	PASS
16QAM	6	0	NT	LV	-14.9775	-18.0530	-15.5497	-0.0081	-0.0096	-0.0081	2.50	PASS
				NV	-11.0722	-6.3658	1.9312	-0.0060	-0.0034	0.0010	2.50	PASS
				HV	-18.0817	-17.4952	-17.3092	-0.0098	-0.0093	-0.0091	2.50	PASS

Test Band: 2_ 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	-14.9202	9.6560	-14.9059	-0.0081	0.0051	-0.0078	2.50	PASS
				-20.00	-8.0681	-8.1110	-8.5688	-0.0044	-0.0043	-0.0045	2.50	PASS
				-10.00	-19.4550	-7.3099	-12.1021	-0.0105	-0.0039	-0.0063	2.50	PASS
				0.00	-7.6532	-3.9053	-17.3092	-0.0041	-0.0021	-0.0091	2.50	PASS
				10.00	-18.2819	-8.5258	-4.1485	-0.0099	-0.0045	-0.0022	2.50	PASS
				20.00	-12.5885	-13.7901	-11.2724	-0.0068	-0.0073	-0.0059	2.50	PASS
				30.00	-21.6150	-17.6382	-9.1553	-0.0117	-0.0094	-0.0048	2.50	PASS
				40.00	-6.7949	-17.0660	-10.2425	-0.0037	-0.0091	-0.0054	2.50	PASS
16QAM	6	0	NV	50.00	-9.5129	-14.7915	-16.1076	-0.0051	-0.0079	-0.0084	2.50	PASS
				-30.00	-24.0183	-17.8671	-0.4005	-0.0130	-0.0095	-0.0002	2.50	PASS
				-20.00	-22.4447	-19.6266	-2.4462	-0.0121	-0.0104	-0.0013	2.50	PASS
				-10.00	-17.0946	5.2500	-5.8508	-0.0092	0.0028	-0.0031	2.50	PASS
				0.00	-17.2806	3.5906	-10.2854	-0.0093	0.0019	-0.0054	2.50	PASS
				10.00	-22.7451	-13.4897	-10.1709	-0.0123	-0.0072	-0.0053	2.50	PASS
				20.00	-10.9434	-3.6335	-20.0272	-0.0059	-0.0019	-0.0105	2.50	PASS
				30.00	-12.9175	-13.0606	-12.8603	-0.0070	-0.0069	-0.0067	2.50	PASS
16QAM	6	0	NV	40.00	-16.1934	-17.8528	-23.8752	-0.0087	-0.0095	-0.0125	2.50	PASS
				50.00	-15.8215	-18.2962	-6.2513	-0.0085	-0.0097	-0.0033	2.50	PASS

Test Band: 2_ 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	-0.6437	2.4605	-14.3766	-0.0003	0.0013	-0.0075	2.50	PASS
				NV	2.2173	7.8249	8.7690	0.0012	0.0042	0.0046	2.50	PASS
				HV	-7.3242	-14.6914	-7.1955	-0.0040	-0.0078	-0.0038	2.50	PASS
16QAM	15	0	NT	LV	-12.6028	-19.1975	-9.4128	-0.0068	-0.0102	-0.0049	2.50	PASS
				NV	-10.5715	-7.9536	-0.0286	-0.0057	-0.0042	0.0000	2.50	PASS
				HV	2.8181	-11.6873	-6.2227	0.0015	-0.0062	-0.0033	2.50	PASS

Test Band: 2_ 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	-7.5960	4.6921	-5.2357	-0.0041	0.0025	-0.0027	2.50	PASS
				-20.00	2.6464	8.0395	-11.1294	0.0014	0.0043	-0.0058	2.50	PASS
				-10.00	-16.5224	9.0981	-10.1280	-0.0089	0.0048	-0.0053	2.50	PASS
				0.00	-5.6362	6.1941	-9.3555	-0.0030	0.0033	-0.0049	2.50	PASS
				10.00	-8.0967	1.3876	-0.7439	-0.0044	0.0007	-0.0004	2.50	PASS
				20.00	-6.9666	-0.4578	-6.4516	-0.0038	-0.0002	-0.0034	2.50	PASS
				30.00	-2.1601	-12.0878	-10.8862	-0.0012	-0.0064	-0.0057	2.50	PASS
				40.00	-1.1301	-0.3576	-4.2343	-0.0006	-0.0002	-0.0022	2.50	PASS
				50.00	-8.2541	-12.7316	-5.5790	-0.0045	-0.0068	-0.0029	2.50	PASS
16QAM	15	0	NV	-30.00	1.8597	-9.4557	-14.3910	0.0010	-0.0050	-0.0075	2.50	PASS
				-20.00	-0.0429	-3.4761	-5.1498	0.0000	-0.0018	-0.0027	2.50	PASS
				-10.00	16.6941	0.7582	-5.3787	0.0090	0.0004	-0.0028	2.50	PASS
				0.00	-7.5960	-15.2063	-7.3814	-0.0041	-0.0081	-0.0039	2.50	PASS
				10.00	-0.3290	-6.2227	-10.0422	-0.0002	-0.0033	-0.0053	2.50	PASS
				20.00	6.6662	3.2043	-12.6457	0.0036	0.0017	-0.0066	2.50	PASS
				30.00	-12.7029	0.3719	-1.1301	-0.0069	0.0002	-0.0006	2.50	PASS
				40.00	-2.8324	-19.5837	-0.6866	-0.0015	-0.0104	-0.0004	2.50	PASS
				50.00	3.0327	2.2030	-3.9482	0.0016	0.0012	-0.0021	2.50	PASS

Test Band: 2_ 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	-19.3262	-6.2799	-16.7370	-0.0104	-0.0033	-0.0088	2.50	PASS
				NV	-7.7820	-0.6008	-8.6260	-0.0042	-0.0003	-0.0045	2.50	PASS
				HV	7.7105	4.8780	-3.1900	0.0042	0.0026	-0.0017	2.50	PASS
16QAM	25	0	NT	LV	5.6219	-11.3726	-13.5469	0.0030	-0.0060	-0.0071	2.50	PASS
				NV	1.7881	4.0054	-2.5320	0.0010	0.0021	-0.0013	2.50	PASS
				HV	-3.0899	7.2527	-3.5048	-0.0017	0.0039	-0.0018	2.50	PASS

Test Band: 2_ 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	-5.3501	-1.6880	-6.8665	-0.0029	-0.0009	-0.0036	2.50	PASS
				-20.00	-2.9755	-1.7023	-11.8446	-0.0016	-0.0009	-0.0062	2.50	PASS
				-10.00	-9.0694	-4.4775	10.6716	-0.0049	-0.0024	0.0056	2.50	PASS
				0.00	5.7220	-5.9080	4.0770	0.0031	-0.0031	0.0021	2.50	PASS
				10.00	8.5115	-1.1301	-3.8052	0.0046	-0.0006	-0.0020	2.50	PASS
				20.00	-1.5020	-5.1498	0.6294	-0.0008	-0.0027	0.0003	2.50	PASS
				30.00	-15.7213	7.0810	9.3842	-0.0085	0.0038	0.0049	2.50	PASS
				40.00	-11.0149	6.1369	4.9782	-0.0059	0.0033	0.0026	2.50	PASS
				50.00	4.1628	-8.5974	-10.3712	0.0022	-0.0046	-0.0054	2.50	PASS
16QAM	25	0	NV	-30.00	8.1396	-7.8821	-3.1328	0.0044	-0.0042	-0.0016	2.50	PASS
				-20.00	-0.6723	-6.4087	1.7309	-0.0004	-0.0034	0.0009	2.50	PASS
				-10.00	-6.8808	-5.1498	-7.6532	-0.0037	-0.0027	-0.0040	2.50	PASS
				0.00	-14.7486	8.7118	-0.1574	-0.0080	0.0046	-0.0001	2.50	PASS
				10.00	-5.2500	-6.8092	-7.0667	-0.0028	-0.0036	-0.0037	2.50	PASS
				20.00	-7.9107	5.3501	-11.2581	-0.0043	0.0028	-0.0059	2.50	PASS
				30.00	-8.8406	9.6416	-3.2616	-0.0048	0.0051	-0.0017	2.50	PASS
				40.00	-3.2616	-10.6430	-6.5374	-0.0018	-0.0057	-0.0034	2.50	PASS
				50.00	2.7323	-3.9053	3.9339	0.0015	-0.0021	0.0021	2.50	PASS

Test Band: 2_ 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	-16.6941	-2.7037	-18.1818	-0.0090	-0.0014	-0.0095	2.50	PASS
				NV	-8.4114	-9.0265	-7.3385	-0.0045	-0.0048	-0.0039	2.50	PASS
				HV	-6.8235	-11.1866	-8.7261	-0.0037	-0.0060	-0.0046	2.50	PASS
16QAM	50	0	NT	LV	-16.2077	-5.3501	-19.2261	-0.0087	-0.0028	-0.0101	2.50	PASS
				NV	-4.3917	-11.6444	-9.3269	-0.0024	-0.0062	-0.0049	2.50	PASS
				HV	-14.5912	-0.8154	-8.4400	-0.0079	-0.0004	-0.0044	2.50	PASS

Test Band: 2_ 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	-13.9189	-4.2915	-4.9925	-0.0075	-0.0023	-0.0026	2.50	PASS
				-20.00	-13.5183	-14.5197	-5.4502	-0.0073	-0.0077	-0.0029	2.50	PASS
				-10.00	-14.1764	-9.7418	-6.0940	-0.0076	-0.0052	-0.0032	2.50	PASS
				0.00	-20.3133	-13.9618	-16.0932	-0.0110	-0.0074	-0.0084	2.50	PASS
				10.00	-18.8541	-13.7186	-10.0565	-0.0102	-0.0073	-0.0053	2.50	PASS
				20.00	-13.5612	-10.8862	-9.4700	-0.0073	-0.0058	-0.0050	2.50	PASS
				30.00	-6.3801	-2.6608	-6.3944	-0.0034	-0.0014	-0.0034	2.50	PASS
				40.00	-8.6832	7.1096	1.4162	-0.0047	0.0038	0.0007	2.50	PASS
				50.00	-12.2595	1.0586	3.7479	-0.0066	0.0006	0.0020	2.50	PASS
16QAM	50	0	NV	-30.00	-22.8024	1.9455	-23.1457	-0.0123	0.0010	-0.0121	2.50	PASS
				-20.00	3.2759	-9.7275	-24.2472	0.0018	-0.0052	-0.0127	2.50	PASS
				-10.00	-3.6049	-17.1375	-21.9727	-0.0019	-0.0091	-0.0115	2.50	PASS
				0.00	-17.6382	-22.2015	-15.0061	-0.0095	-0.0118	-0.0079	2.50	PASS
				10.00	-13.0176	-17.5810	-25.3200	-0.0070	-0.0094	-0.0133	2.50	PASS
				20.00	-13.9332	-21.7438	-18.3964	-0.0075	-0.0116	-0.0097	2.50	PASS
				30.00	-7.0524	-8.2684	-20.9570	-0.0038	-0.0044	-0.0110	2.50	PASS
				40.00	1.2016	-8.4686	-16.3794	0.0006	-0.0045	-0.0086	2.50	PASS
				50.00	-3.2187	-17.0088	-2.5606	-0.0017	-0.0090	-0.0013	2.50	PASS

Test Band: 2_ 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	-2.6608	-8.8549	-4.6349	-0.0014	-0.0047	-0.0024	2.50	PASS
				NV	-15.5067	-9.9278	-7.7677	-0.0083	-0.0053	-0.0041	2.50	PASS
				HV	-5.6791	-6.0797	-6.9380	-0.0031	-0.0032	-0.0036	2.50	PASS
16QAM	75	0	NT	LV	-23.1028	-10.8147	-5.3787	-0.0124	-0.0058	-0.0028	2.50	PASS
				NV	-17.6668	-8.2254	-2.3174	-0.0095	-0.0044	-0.0012	2.50	PASS
				HV	-13.8044	-7.5245	-5.4216	-0.0074	-0.0040	-0.0028	2.50	PASS

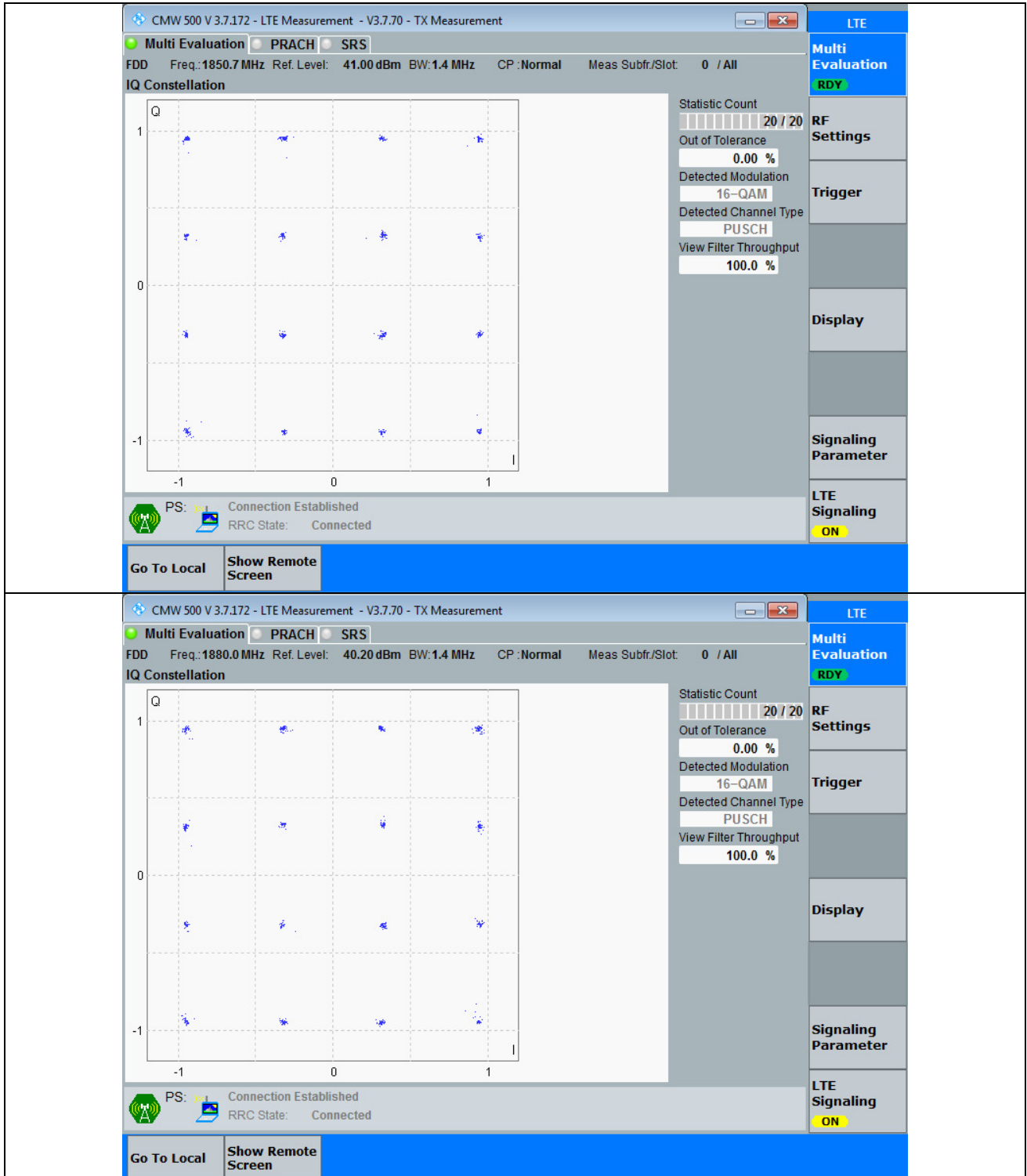
Test Band: 2_ 15MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	75	0	NV	-30.00	-5.0640	-7.5245	-7.1955	-0.0027	-0.0040	-0.0038	2.50	PASS
				-20.00	-1.4448	-6.7949	-6.3229	-0.0008	-0.0036	-0.0033	2.50	PASS
				-10.00	-3.6478	-1.8024	-4.5776	-0.0020	-0.0010	-0.0024	2.50	PASS
				0.00	-7.1239	-6.5947	-4.3201	-0.0038	-0.0035	-0.0023	2.50	PASS
				10.00	-1.9598	-4.7064	-5.7364	-0.0011	-0.0025	-0.0030	2.50	PASS
				20.00	-2.9898	-2.6035	-13.5040	-0.0016	-0.0014	-0.0071	2.50	PASS
				30.00	-6.2227	-10.7145	-9.0265	-0.0034	-0.0057	-0.0047	2.50	PASS
				40.00	-5.9223	-8.9979	-6.2799	-0.0032	-0.0048	-0.0033	2.50	PASS
				50.00	-2.5034	-9.9278	-8.2970	-0.0013	-0.0053	-0.0044	2.50	PASS
16QAM	75	0	NV	-30.00	-18.0817	-7.0095	-7.1812	-0.0097	-0.0037	-0.0038	2.50	PASS
				-20.00	-12.8746	-7.3385	-7.5245	-0.0069	-0.0039	-0.0040	2.50	PASS
				-10.00	/	-7.8106	-5.1355	/	-0.0042	-0.0027	2.50	PASS
				0.00	/	-7.8392	-5.8079	/	-0.0042	-0.0031	2.50	PASS
				10.00	/	-4.9210	-4.7493	/	-0.0026	-0.0025	2.50	PASS
				20.00	/	-3.9625	-5.1355	/	-0.0021	-0.0027	2.50	PASS
				30.00	/	-5.3787	-5.9938	/	-0.0029	-0.0032	2.50	PASS
				40.00	/	-8.2684	-5.3215	/	-0.0044	-0.0028	2.50	PASS
				50.00	/	-11.8303	-5.1498	/	-0.0063	-0.0027	2.50	PASS

Test Band: 2_ 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	-5.3215	-7.1383	-12.6314	-0.0029	-0.0038	-0.0066	2.50	PASS
				NV	-5.4359	-5.3787	-4.2772	-0.0029	-0.0029	-0.0023	2.50	PASS
				HV	-8.1110	-7.4100	-6.0225	-0.0044	-0.0039	-0.0032	2.50	PASS
16QAM	100	0	NT	LV	1.2875	-6.0368	-6.6948	0.0007	-0.0032	-0.0035	2.50	PASS
				NV	-3.2043	-9.1410	-8.8406	-0.0017	-0.0049	-0.0047	2.50	PASS
				HV	-2.6321	-7.6532	-9.8848	-0.0014	-0.0041	-0.0052	2.50	PASS

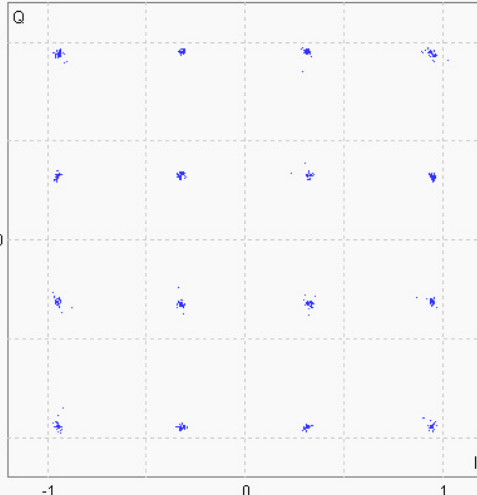
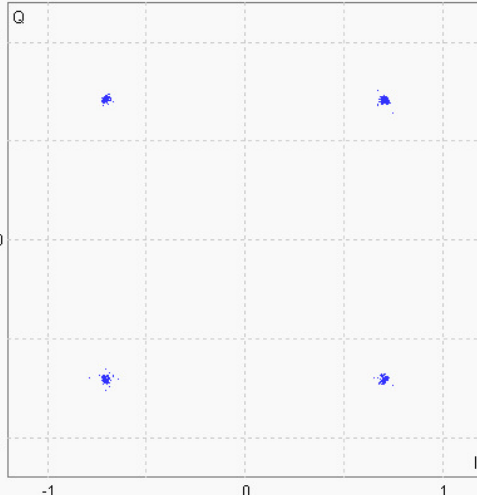
Test Band: 2_ 20MHz Bandwidth (Frequency Error VS. Temperature)												
Test Mode	RB Allocation		Test Volt.	Test Temp.	Freq. Error (Hz)			Freq. vs. rated (ppm)			Limit (ppm)	Verdict
	Size	Offset			LCH	MCH	HCH	LCH	MCH	HCH		
QPSK	100	0	NV	-30.00	-4.7922	-5.1355	-3.9911	-0.0026	-0.0027	-0.0021	2.50	PASS
				-20.00	-6.1083	-9.6846	-6.9380	-0.0033	-0.0052	-0.0037	2.50	PASS
				-10.00	-5.2643	-8.3971	-4.1771	-0.0028	-0.0045	-0.0022	2.50	PASS
				0.00	-6.4230	-6.4659	-11.6301	-0.0035	-0.0034	-0.0061	2.50	PASS
				10.00	-1.8597	-5.4359	-5.0926	-0.0010	-0.0029	-0.0027	2.50	PASS
				20.00	-5.8508	-10.0994	-7.0953	-0.0031	-0.0054	-0.0037	2.50	PASS
				30.00	-5.0354	-7.8392	-7.9966	-0.0027	-0.0042	-0.0042	2.50	PASS
				40.00	0.1001	-7.5960	-7.3099	0.0001	-0.0040	-0.0038	2.50	PASS
				50.00	-1.8168	-8.4543	-6.2227	-0.0010	-0.0045	-0.0033	2.50	PASS
16QAM	100	0	NV	-30.00	-5.2786	-4.9782	-6.9094	-0.0028	-0.0026	-0.0036	2.50	PASS
				-20.00	0.0715	-11.2581	-9.4700	0.0000	-0.0060	-0.0050	2.50	PASS
				-10.00	-0.7725	-9.3842	-7.1812	-0.0004	-0.0050	-0.0038	2.50	PASS
				0.00	-3.9339	-6.5660	-6.7234	-0.0021	-0.0035	-0.0035	2.50	PASS
				10.00	-4.9782	-5.2071	-9.0837	-0.0027	-0.0028	-0.0048	2.50	PASS
				20.00	-2.0599	-8.7118	-8.2684	-0.0011	-0.0046	-0.0044	2.50	PASS
				30.00	-3.6621	-11.3010	-2.2888	-0.0020	-0.0060	-0.0012	2.50	PASS
				40.00	-8.3971	-11.2581	-7.5245	-0.0045	-0.0060	-0.0040	2.50	PASS
				50.00	-4.8923	-7.4530	-4.3774	-0.0026	-0.0040	-0.0023	2.50	PASS

### 3. Modulation Characteristics

#### 3.1 Test Graph





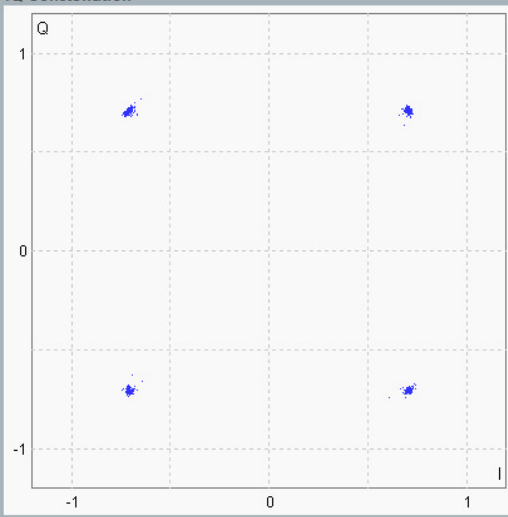
<p>CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq.: 1909.3 MHz Ref. Level: 39.80 dBm BW: 1.4 MHz CP: Normal Meas Subfr./Slot: 0 / All</p> <p><b>IQ Constellation</b></p>  <p>Statistic Count: 20 / 20          Out of Tolerance: 0.00 %          Detected Modulation: 16-QAM          Detected Channel Type: PUSCH          View Filter Throughput: 100.0 %</p> <p>PS: Connection Established          RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>	<p>LTE</p> <p>Multi Evaluation RDY</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling ON</p>
<p>CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq.: 1850.7 MHz Ref. Level: 40.30 dBm BW: 1.4 MHz CP: Normal Meas Subfr./Slot: 0 / All</p> <p><b>IQ Constellation</b></p>  <p>Statistic Count: 20 / 20          Out of Tolerance: 0.00 %          Detected Modulation: QPSK          Detected Channel Type: PUSCH          View Filter Throughput: 100.0 %</p> <p>PS: Connection Established          RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>	<p>LTE</p> <p>Multi Evaluation RDY</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling ON</p>

CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 1880.0 MHz Ref. Level: 41.00 dBm BW: 1.4 MHz CP: Normal Meas Subfr./Slot: 0 / All

**IQ Constellation**



Statistic Count: 20 / 20  
 Out of Tolerance: 0.00 %  
 Detected Modulation: QPSK  
 Detected Channel Type: PUSCH  
 View Filter Throughput: 100.0 %

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE

Multi Evaluation **RDY**

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling **ON**

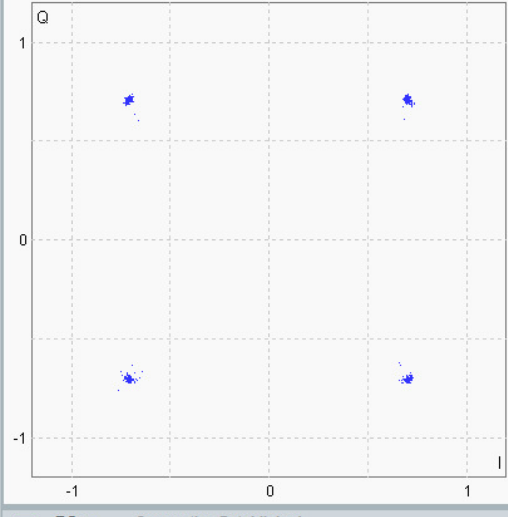
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CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 1909.3 MHz Ref. Level: 40.90 dBm BW: 1.4 MHz CP: Normal Meas Subfr./Slot: 0 / All

**IQ Constellation**



Statistic Count: 20 / 20  
 Out of Tolerance: 0.00 %  
 Detected Modulation: QPSK  
 Detected Channel Type: PUSCH  
 View Filter Throughput: 100.0 %

PS: Connection Established RRC State: Connected

Go To Local Show Remote Screen

LTE

Multi Evaluation **RDY**

RF Settings

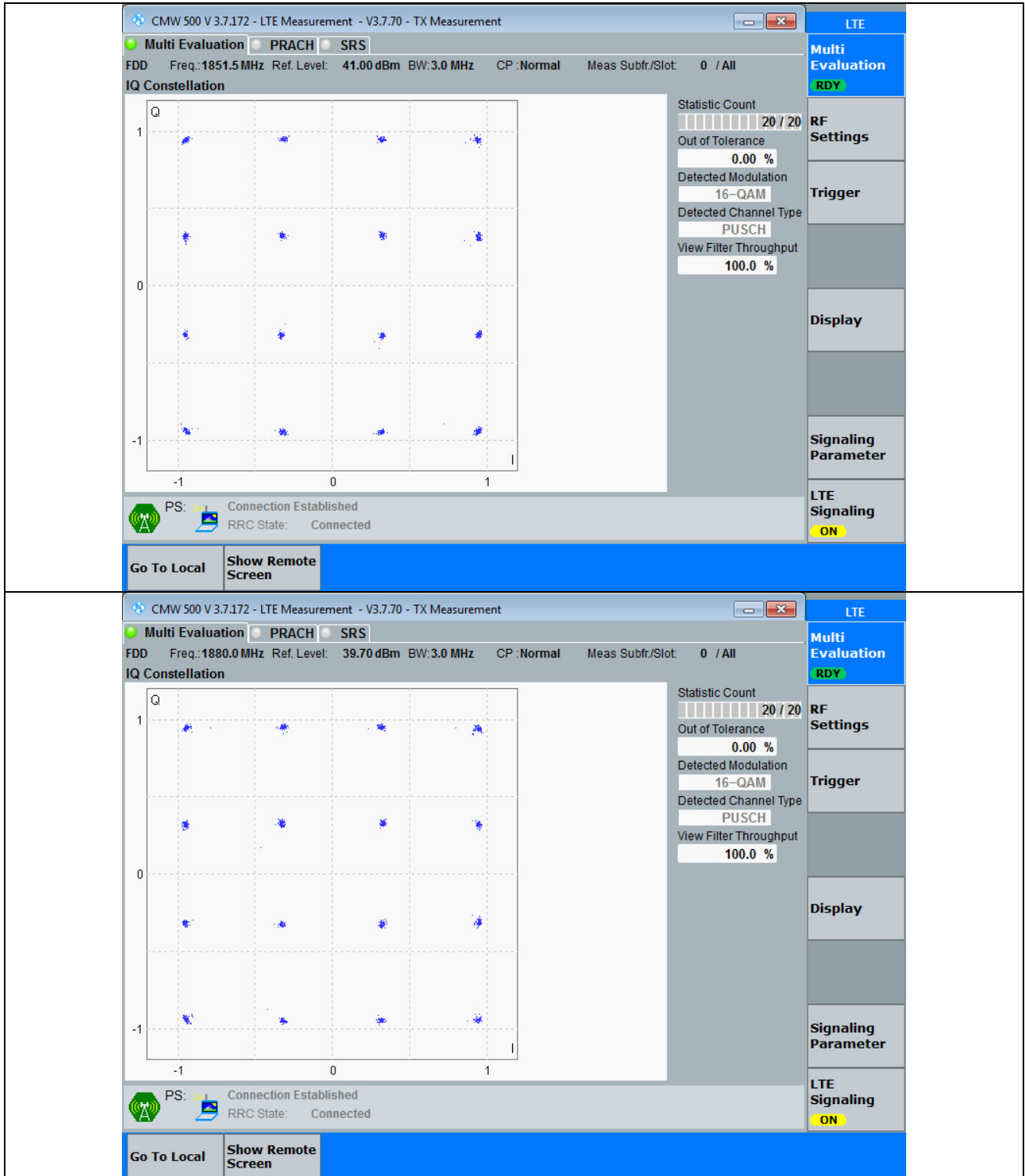
Trigger

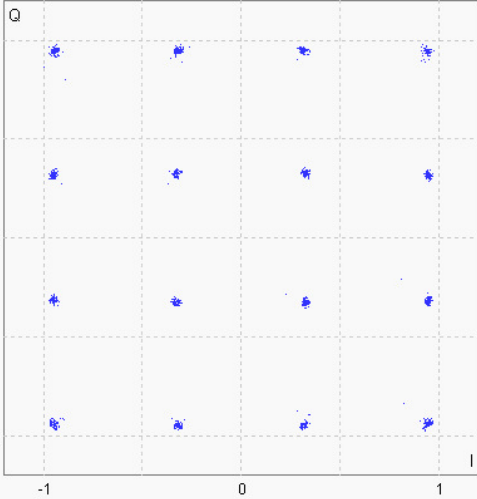
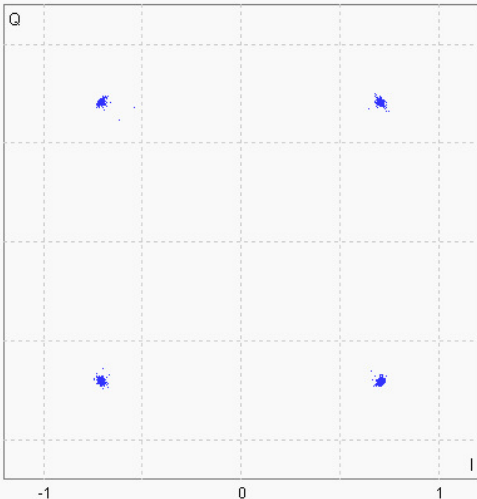
Display

Signaling Parameter

LTE Signaling **ON**

### 3.1 Test Graph



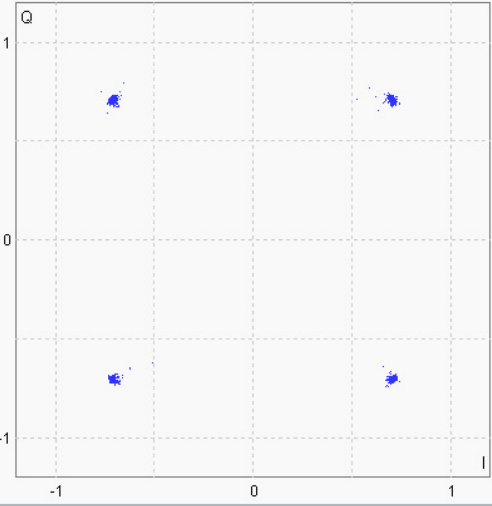
<p>CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq.: 1908.5 MHz Ref. Level: 39.50 dBm BW: 3.0 MHz CP: Normal Meas Subfr./Slot: 0 / All</p> <p><b>IQ Constellation</b></p>  <p>Statistic Count: 20 / 20 Out of Tolerance: 0.00 % Detected Modulation: 16-QAM Detected Channel Type: PUSCH View Filter Throughput: 100.0 %</p> <p>PS: Connection Established RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>	<p>LTE</p> <p>Multi Evaluation <b>RDY</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
<p>CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq.: 1851.5 MHz Ref. Level: 39.80 dBm BW: 3.0 MHz CP: Normal Meas Subfr./Slot: 0 / All</p> <p><b>IQ Constellation</b></p>  <p>Statistic Count: 20 / 20 Out of Tolerance: 0.00 % Detected Modulation: QPSK Detected Channel Type: PUSCH View Filter Throughput: 100.0 %</p> <p>PS: Connection Established RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>	<p>LTE</p> <p>Multi Evaluation <b>RDY</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>

CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement
LTE

Multi Evaluation PRACH SRS

FDD
Freq.: 1880.0 MHz
Ref. Level: 40.70 dBm
BW: 3.0 MHz
CP: Normal
Meas Subfr./Slot: 0 / All

**IQ Constellation**



Statistic Count  
20 / 20

Out of Tolerance  
0.00 %

Detected Modulation  
QPSK

Detected Channel Type  
PUSCH

View Filter Throughput  
100.0 %

Multi Evaluation  
RDY  
RF Settings  
Trigger  
Display  
Signaling Parameter  
LTE Signaling  
ON

PS: Connection Established
RRC State: Connected

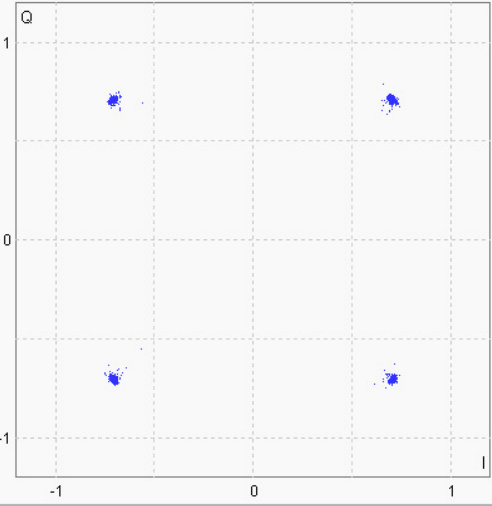
Go To Local
Show Remote Screen

CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement
LTE

Multi Evaluation PRACH SRS

FDD
Freq.: 1908.5 MHz
Ref. Level: 40.50 dBm
BW: 3.0 MHz
CP: Normal
Meas Subfr./Slot: 0 / All

**IQ Constellation**



Statistic Count  
20 / 20

Out of Tolerance  
0.00 %

Detected Modulation  
QPSK

Detected Channel Type  
PUSCH

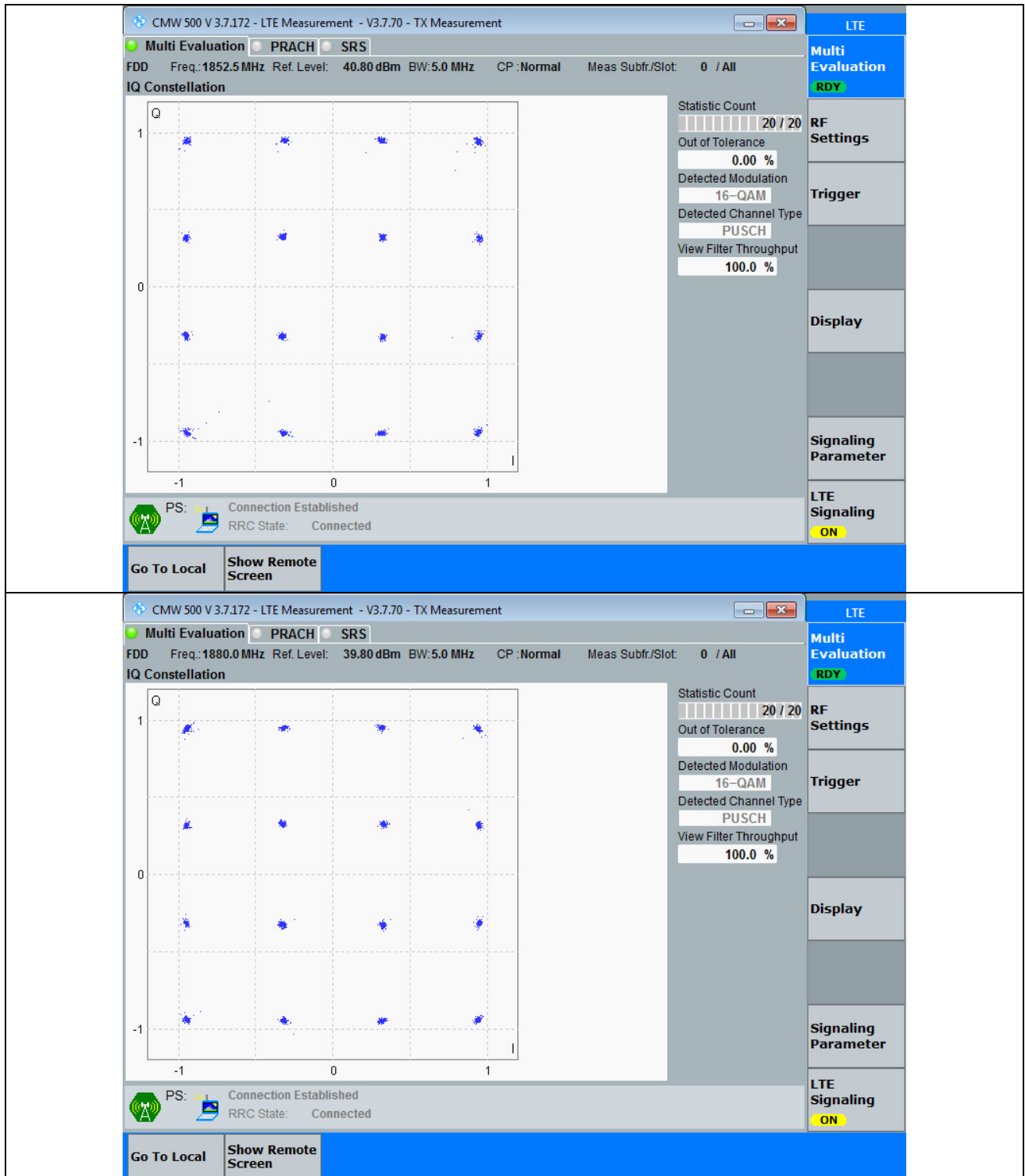
View Filter Throughput  
100.0 %

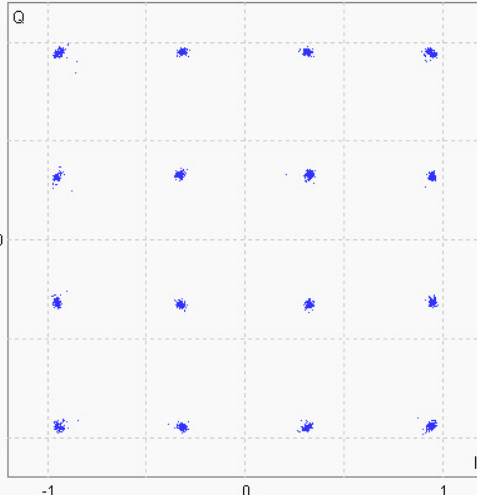
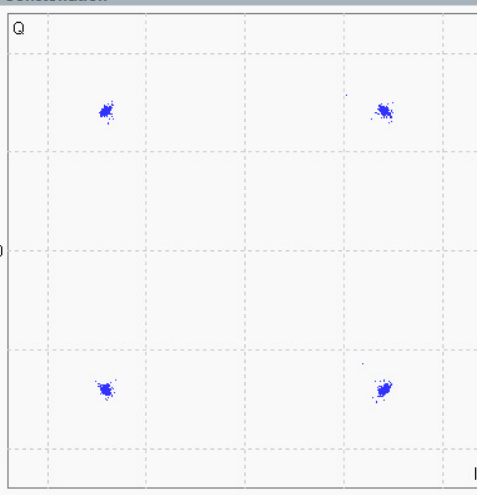
Multi Evaluation  
RDY  
RF Settings  
Trigger  
Display  
Signaling Parameter  
LTE Signaling  
ON

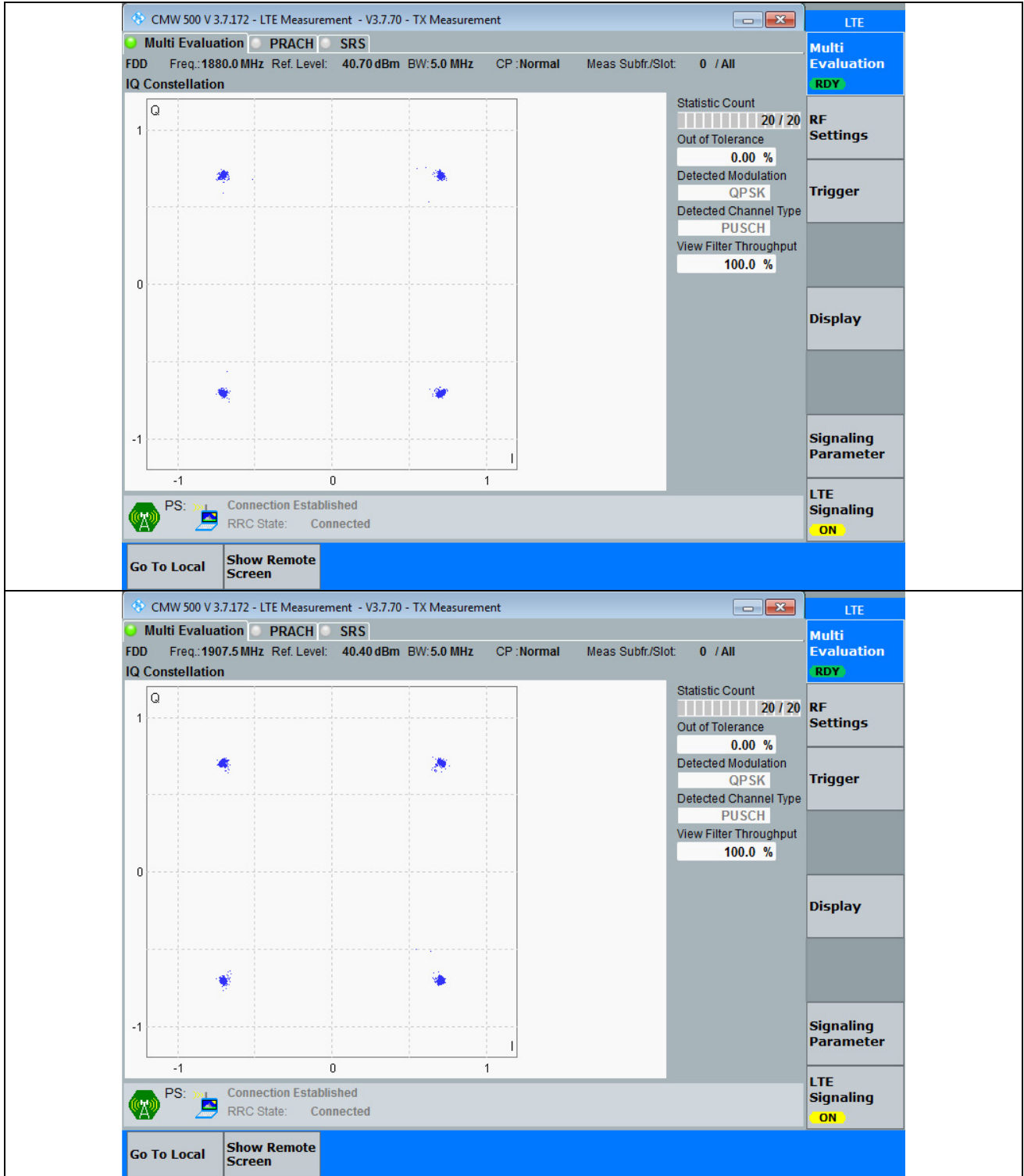
PS: Connection Established
RRC State: Connected

Go To Local
Show Remote Screen

### 3.1 Test Graph

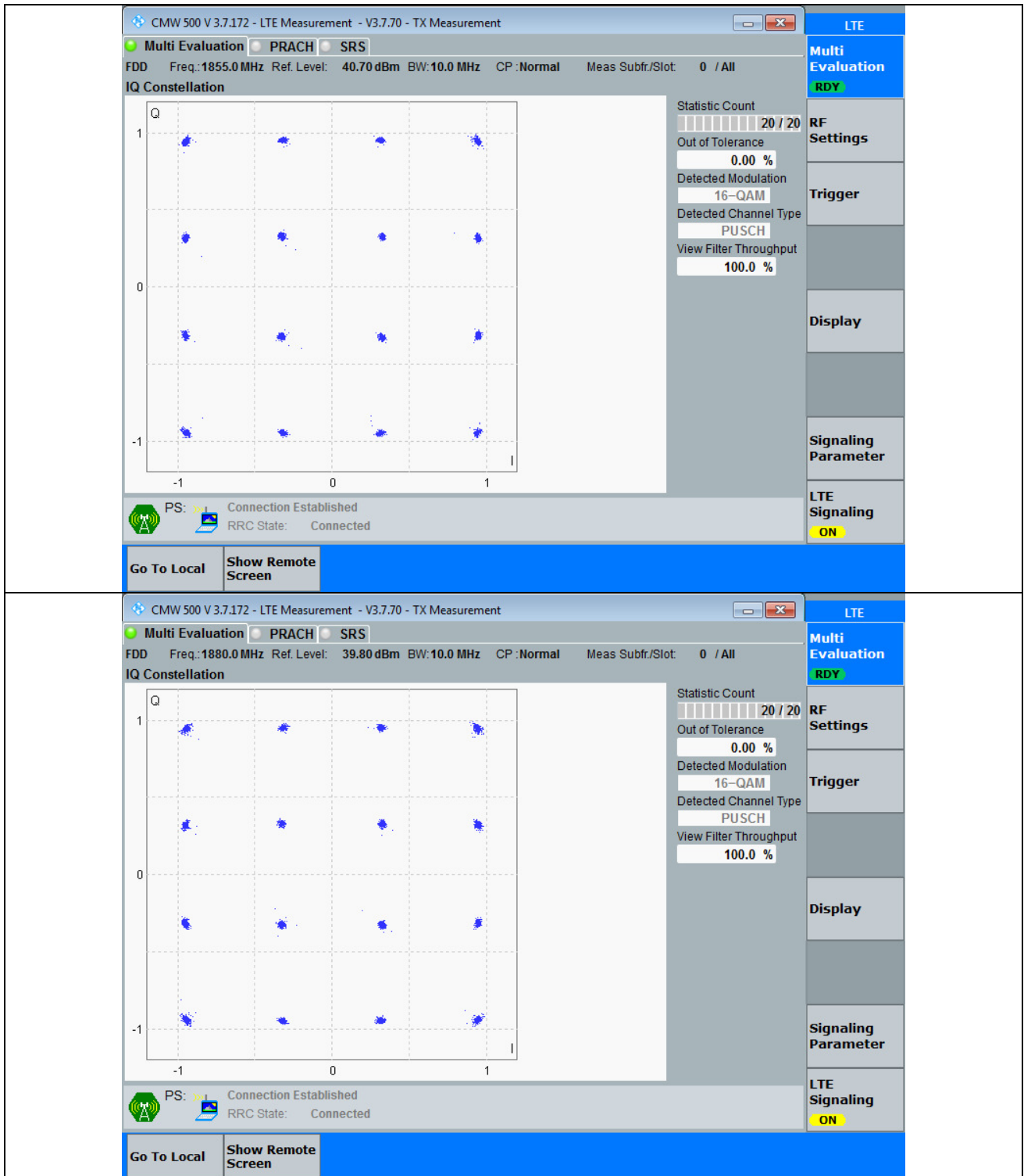


<p>CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq.: 1907.5 MHz Ref. Level: 39.50 dBm BW: 5.0 MHz CP: Normal Meas Subfr./Slot: 0 / All</p> <p><b>IQ Constellation</b></p>  <p>Statistic Count: 20 / 20 Out of Tolerance: 0.00 % Detected Modulation: 16-QAM Detected Channel Type: PUSCH View Filter Throughput: 100.0 %</p> <p>PS: Connection Established RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>	<p>LTE</p> <p>Multi Evaluation <b>RDY</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>
<p>CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq.: 1852.5 MHz Ref. Level: 39.80 dBm BW: 5.0 MHz CP: Normal Meas Subfr./Slot: 0 / All</p> <p><b>IQ Constellation</b></p>  <p>Statistic Count: 20 / 20 Out of Tolerance: 0.00 % Detected Modulation: QPSK Detected Channel Type: PUSCH View Filter Throughput: 100.0 %</p> <p>PS: Connection Established RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>	<p>LTE</p> <p>Multi Evaluation <b>RDY</b></p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling <b>ON</b></p>





### 3.1 Test Graph



CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement
LTE

Multi Evaluation
  PRACH
  SRS
 
FDD Freq.: 1905.0 MHz Ref. Level: 39.60 dBm BW: 10.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

**IQ Constellation**

Statistic Count  
█ 20 / 20

Out of Tolerance  
0.00 %

Detected Modulation  
16-QAM

Detected Channel Type  
PUSCH

View Filter Throughput  
100.0 %

Multi Evaluation  
RDY  
RF Settings  
Trigger  
Display  
Signaling Parameter  
LTE Signaling  
ON

PS: Connection Established
RRC State: Connected

Go To Local
Show Remote Screen

CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement
LTE

Multi Evaluation
  PRACH
  SRS
 
FDD Freq.: 1855.0 MHz Ref. Level: 39.90 dBm BW: 10.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

**IQ Constellation**

Statistic Count  
█ 20 / 20

Out of Tolerance  
0.00 %

Detected Modulation  
QPSK

Detected Channel Type  
PUSCH

View Filter Throughput  
100.0 %

Multi Evaluation  
RDY  
RF Settings  
Trigger  
Display  
Signaling Parameter  
LTE Signaling  
ON

PS: Connection Established
RRC State: Connected

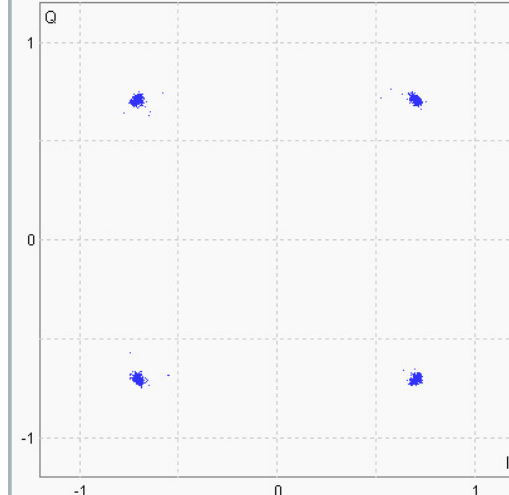
Go To Local
Show Remote Screen

CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement
LTE

Multi Evaluation PRACH SRS

FDD Freq.: 1880.0 MHz Ref. Level: 40.80 dBm BW: 10.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

**IQ Constellation**



Statistic Count  
20 / 20

Out of Tolerance  
0.00 %

Detected Modulation  
QPSK

Detected Channel Type  
PUSCH

View Filter Throughput  
100.0 %

Multi Evaluation  
**RDY**

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling  
**ON**

PS: Connection Established RRC State: Connected

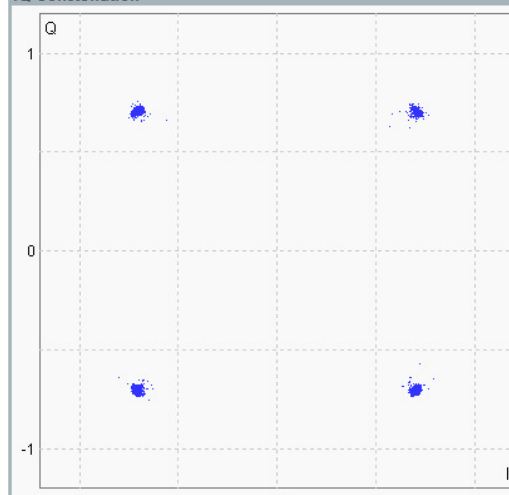
Go To Local
Show Remote Screen

CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement
LTE

Multi Evaluation PRACH SRS

FDD Freq.: 1905.0 MHz Ref. Level: 40.60 dBm BW: 10.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

**IQ Constellation**



Statistic Count  
20 / 20

Out of Tolerance  
0.00 %

Detected Modulation  
QPSK

Detected Channel Type  
PUSCH

View Filter Throughput  
100.0 %

Multi Evaluation  
**RDY**

RF Settings

Trigger

Display

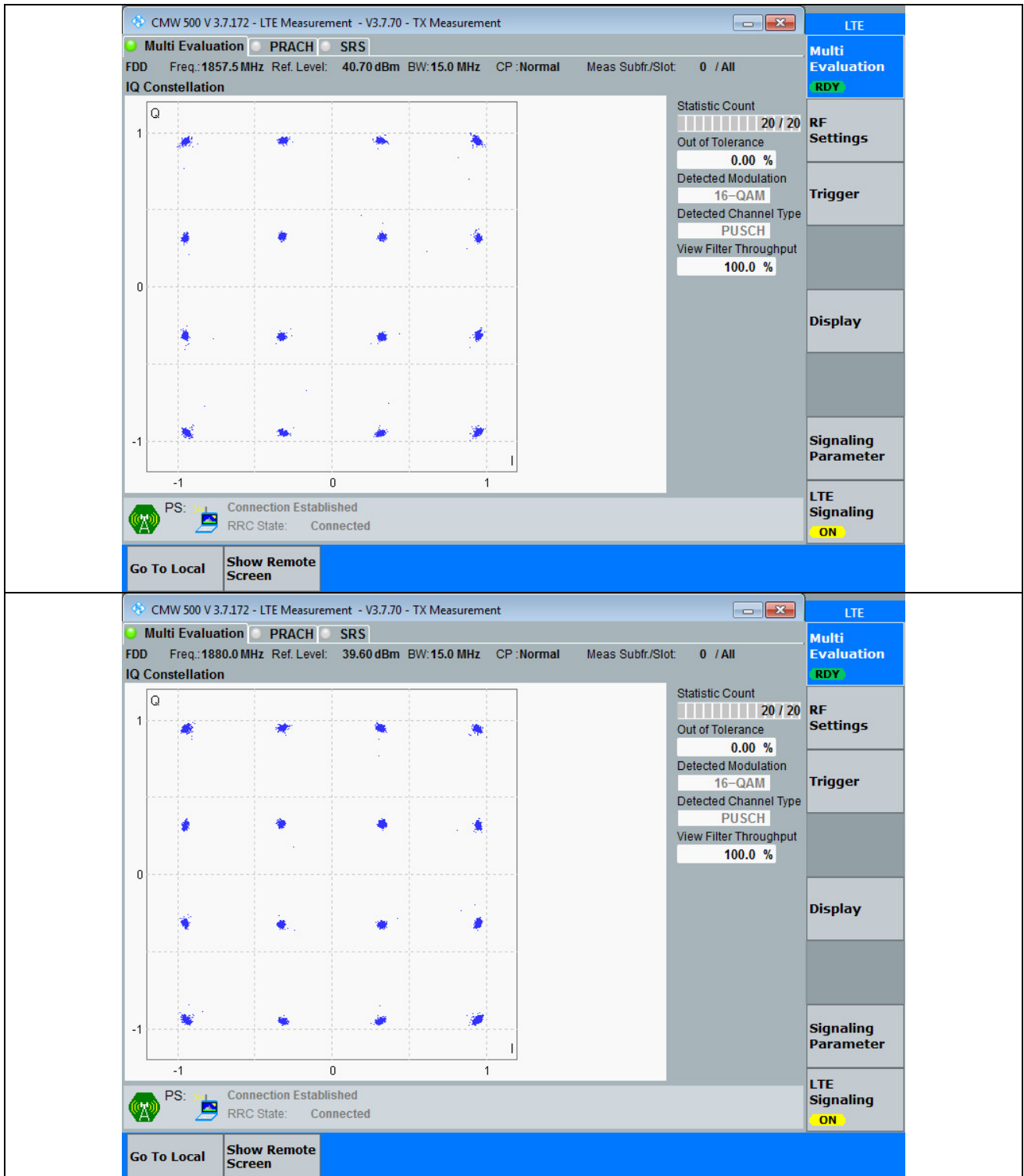
Signaling Parameter

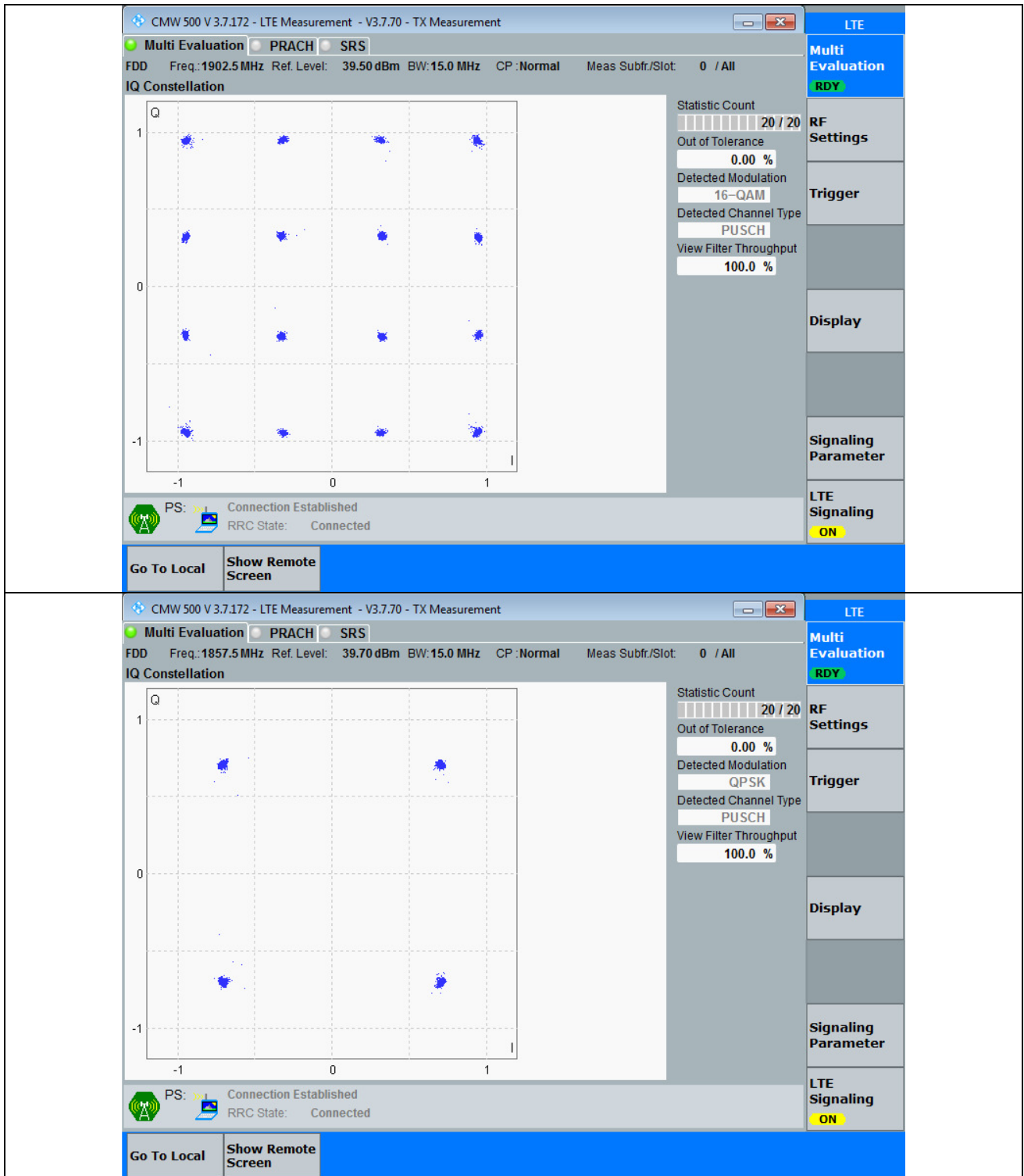
LTE Signaling  
**ON**

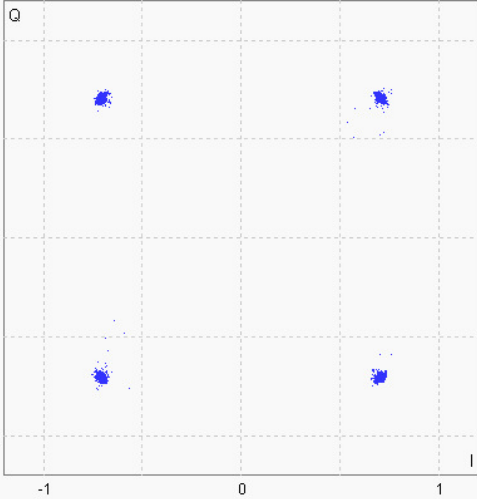
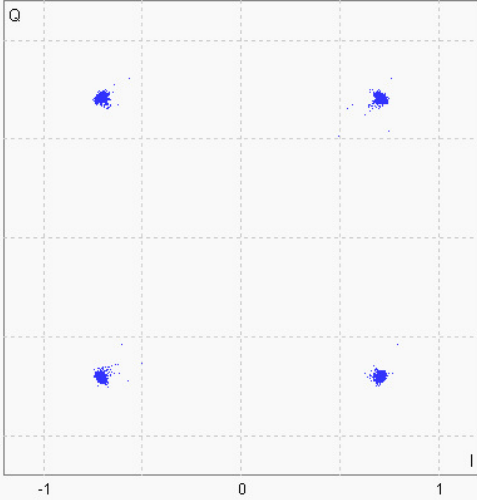
PS: Connection Established RRC State: Connected

Go To Local
Show Remote Screen

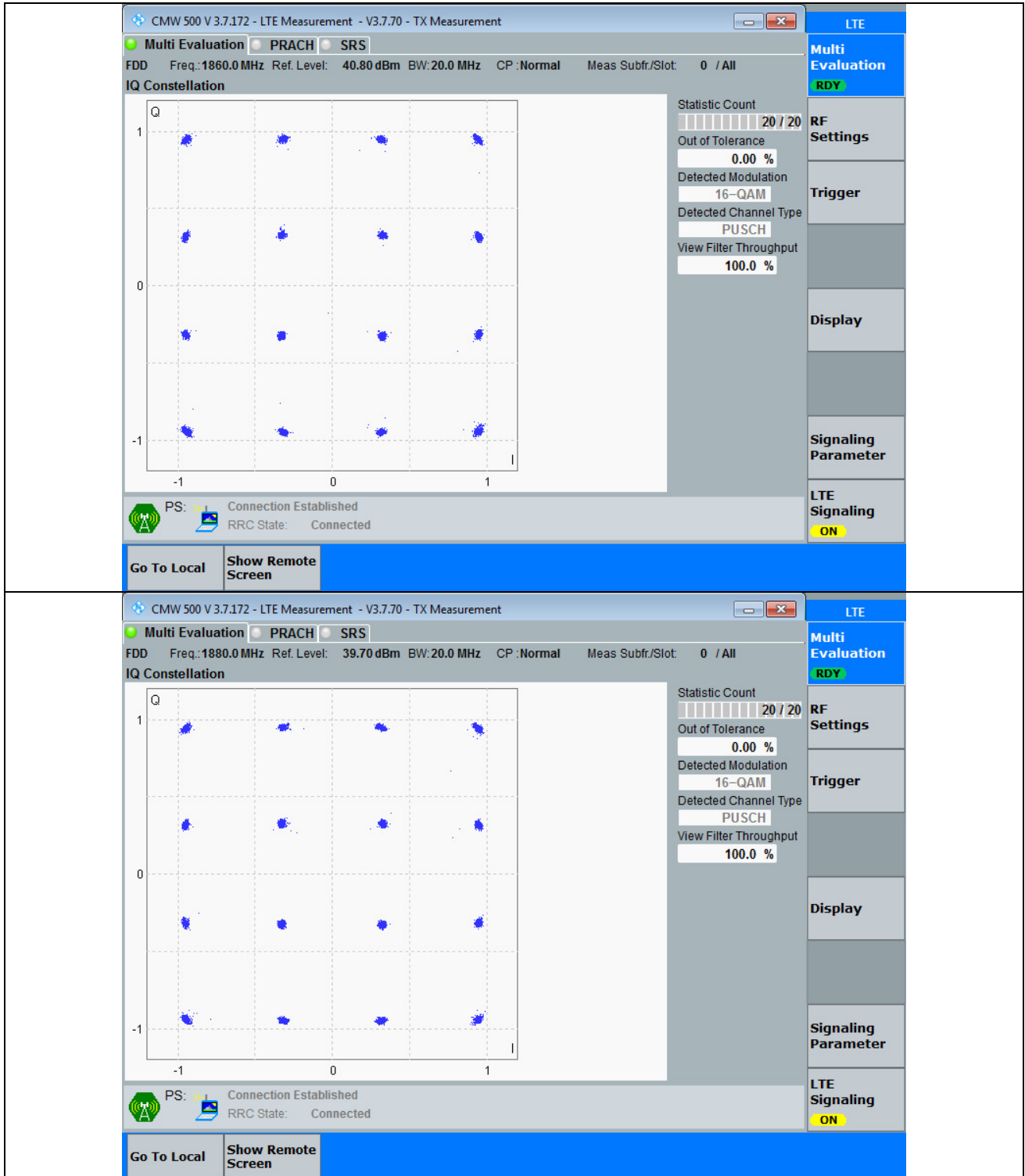
### 3.1 Test Graph





<p>CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq.: 1880.0 MHz Ref. Level: 40.60 dBm BW: 15.0 MHz CP: Normal Meas Subfr./Slot: 0 / All</p> <p><b>IQ Constellation</b></p>  <p>Statistic Count: 20 / 20 Out of Tolerance: 0.00 % Detected Modulation: QPSK Detected Channel Type: PUSCH View Filter Throughput: 100.0 %</p> <p>PS: Connection Established RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>	<p>LTE</p> <p>Multi Evaluation RDY</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling ON</p>
<p>CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement</p> <p>Multi Evaluation PRACH SRS</p> <p>FDD Freq.: 1902.5 MHz Ref. Level: 40.60 dBm BW: 15.0 MHz CP: Normal Meas Subfr./Slot: 0 / All</p> <p><b>IQ Constellation</b></p>  <p>Statistic Count: 20 / 20 Out of Tolerance: 0.00 % Detected Modulation: QPSK Detected Channel Type: PUSCH View Filter Throughput: 100.0 %</p> <p>PS: Connection Established RRC State: Connected</p> <p>Go To Local Show Remote Screen</p>	<p>LTE</p> <p>Multi Evaluation RDY</p> <p>RF Settings</p> <p>Trigger</p> <p>Display</p> <p>Signaling Parameter</p> <p>LTE Signaling ON</p>

### 3.1 Test Graph



CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement  
 FDD Freq.: 1900.0 MHz Ref. Level: 39.60 dBm BW: 20.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

LTE

Multi Evaluation PRACH SRS

Multi Evaluation  
RDY

IQ Constellation

Statistic Count  
 20 / 20  
 Out of Tolerance  
 0.00 %  
 Detected Modulation  
 16-QAM  
 Detected Channel Type  
 PUSCH  
 View Filter Throughput  
 100.0 %

PS: ● Connection Established  
 RRC State: Connected

RF Settings  
Trigger  
Display  
Signaling Parameter  
LTE Signaling  
ON

Go To Local Show Remote Screen

CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement  
 FDD Freq.: 1860.0 MHz Ref. Level: 39.80 dBm BW: 20.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

LTE

Multi Evaluation PRACH SRS

Multi Evaluation  
RDY

IQ Constellation

Statistic Count  
 20 / 20  
 Out of Tolerance  
 0.00 %  
 Detected Modulation  
 QPSK  
 Detected Channel Type  
 PUSCH  
 View Filter Throughput  
 100.0 %

PS: ● Connection Established  
 RRC State: Connected

RF Settings  
Trigger  
Display  
Signaling Parameter  
LTE Signaling  
ON

Go To Local Show Remote Screen



The image displays two screenshots of the CMW 500 V 3.7.172 LTE Measurement software interface, showing the IQ Constellation plot and various measurement parameters.

**Top Screenshot (1880.0 MHz):**

- Window Title: CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement
- Mode: Multi Evaluation (selected), PRACH, SRS
- Frequency: 1880.0 MHz, Ref. Level: 40.60 dBm, BW: 20.0 MHz, CP: Normal, Meas Subfr/Slot: 0 / All
- IQ Constellation: Shows a QPSK constellation with four clusters of blue dots at approximately (-0.8, 0.8), (0.8, 0.8), (-0.8, -0.8), and (0.8, -0.8) on the I-Q axes.
- Statistic Count: 20 / 20
- Out of Tolerance: 0.00 %
- Detected Modulation: QPSK
- Detected Channel Type: PUSCH
- View Filter Throughput: 100.0 %
- PS: Connection Established, RRC State: Connected
- Buttons: Go To Local, Show Remote Screen
- Right Sidebar: LTE, Multi Evaluation (RDY), RF Settings, Trigger, Display, Signaling Parameter, LTE Signaling (ON)

**Bottom Screenshot (1900.0 MHz):**

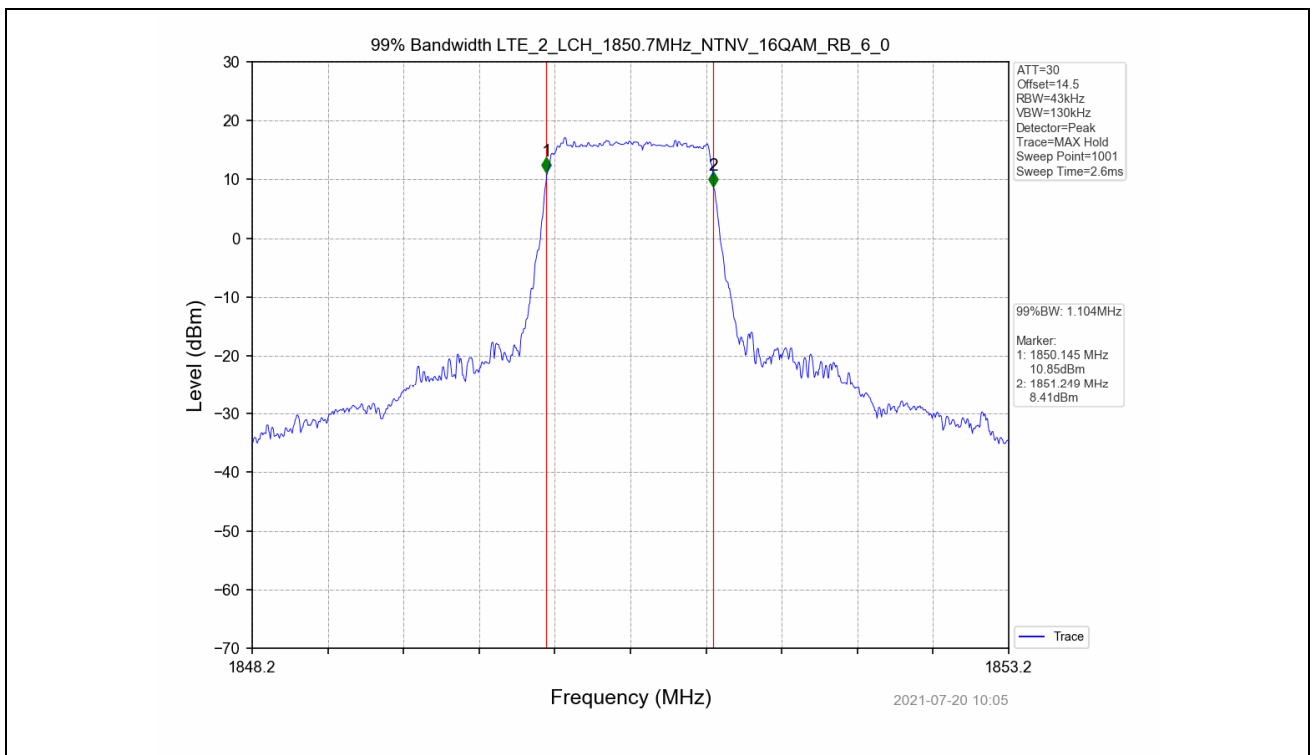
- Window Title: CMW 500 V 3.7.172 - LTE Measurement - V3.7.70 - TX Measurement
- Mode: Multi Evaluation (selected), PRACH, SRS
- Frequency: 1900.0 MHz, Ref. Level: 40.60 dBm, BW: 20.0 MHz, CP: Normal, Meas Subfr/Slot: 0 / All
- IQ Constellation: Shows a QPSK constellation with four clusters of blue dots at approximately (-0.8, 0.8), (0.8, 0.8), (-0.8, -0.8), and (0.8, -0.8) on the I-Q axes.
- Statistic Count: 20 / 20
- Out of Tolerance: 0.00 %
- Detected Modulation: QPSK
- Detected Channel Type: PUSCH
- View Filter Throughput: 100.0 %
- PS: Connection Established, RRC State: Connected
- Buttons: Go To Local, Show Remote Screen
- Right Sidebar: LTE, Multi Evaluation (RDY), RF Settings, Trigger, Display, Signaling Parameter, LTE Signaling (ON)

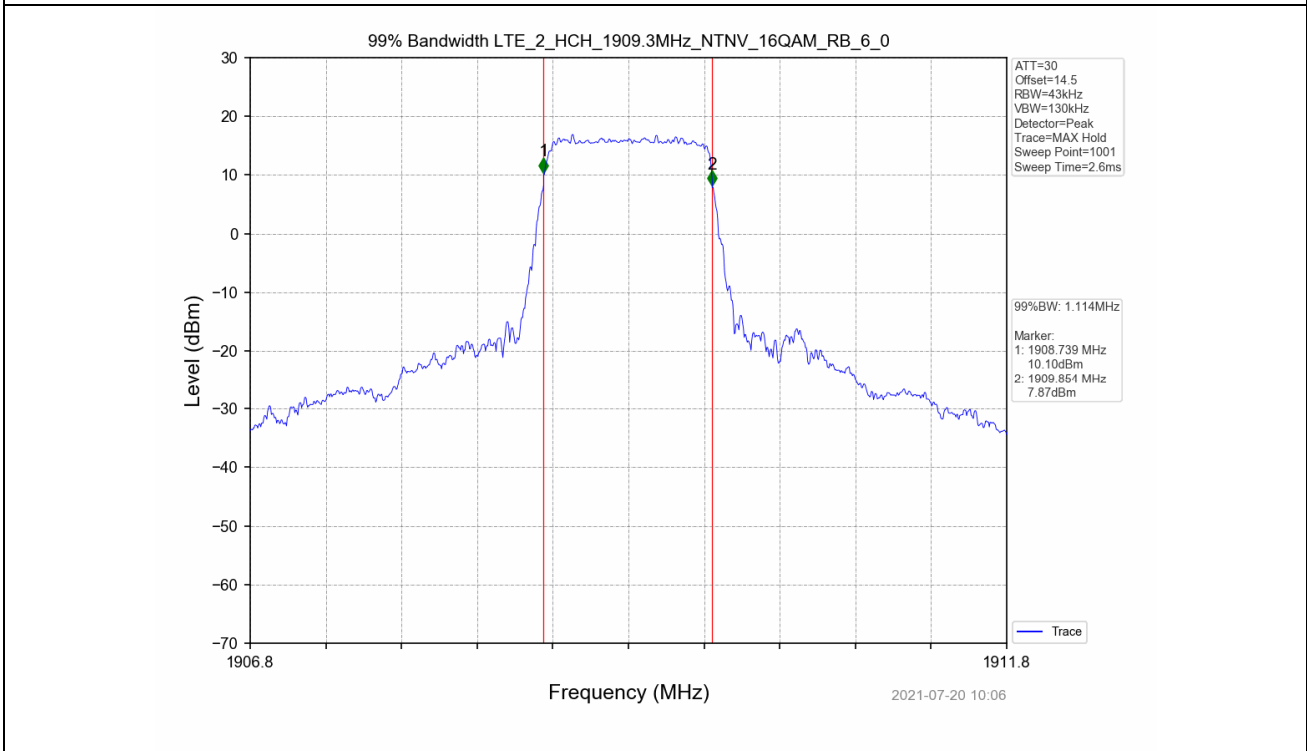
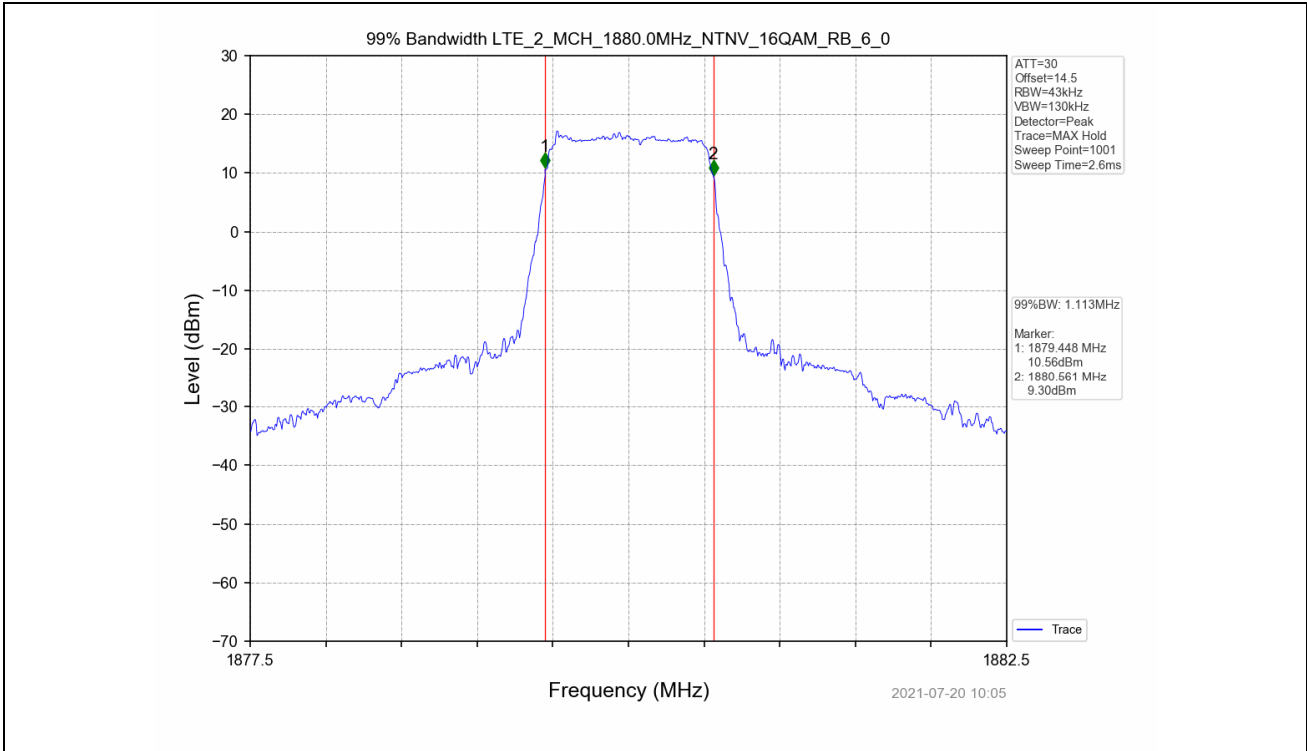
## 4. 99% & 26dB Bandwidth

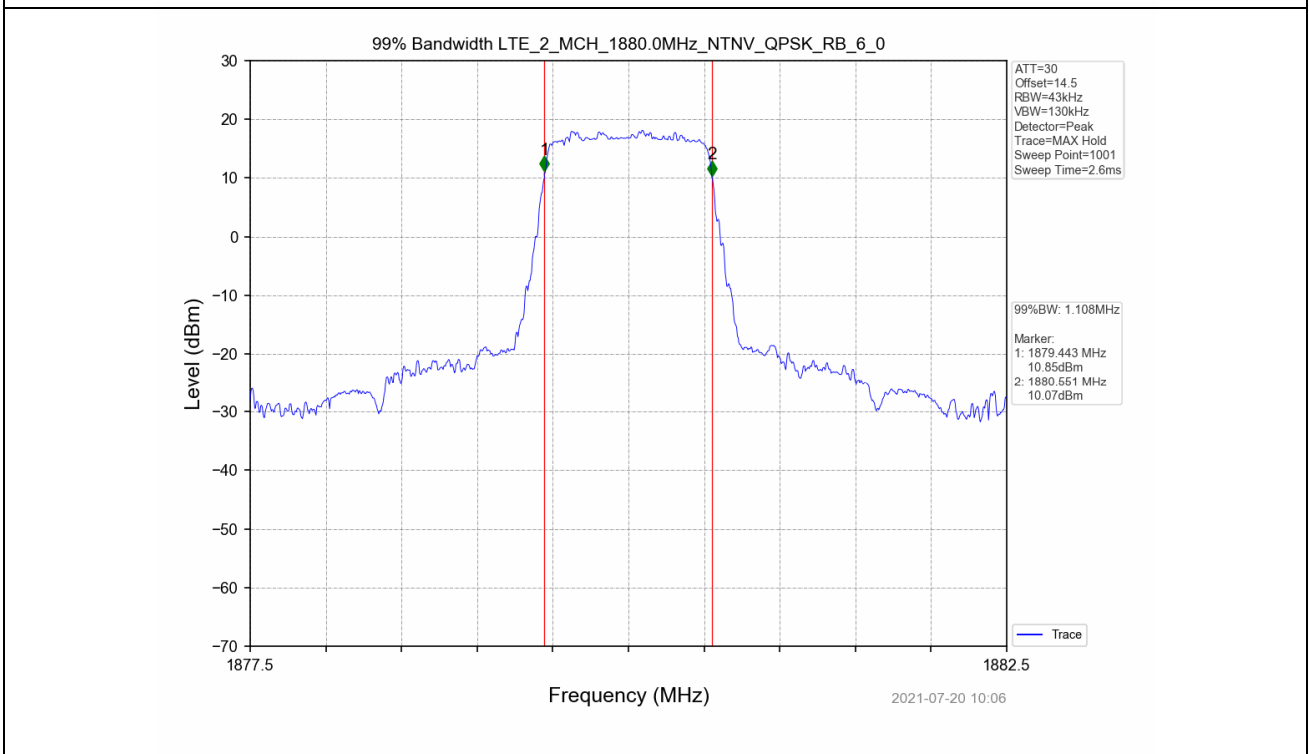
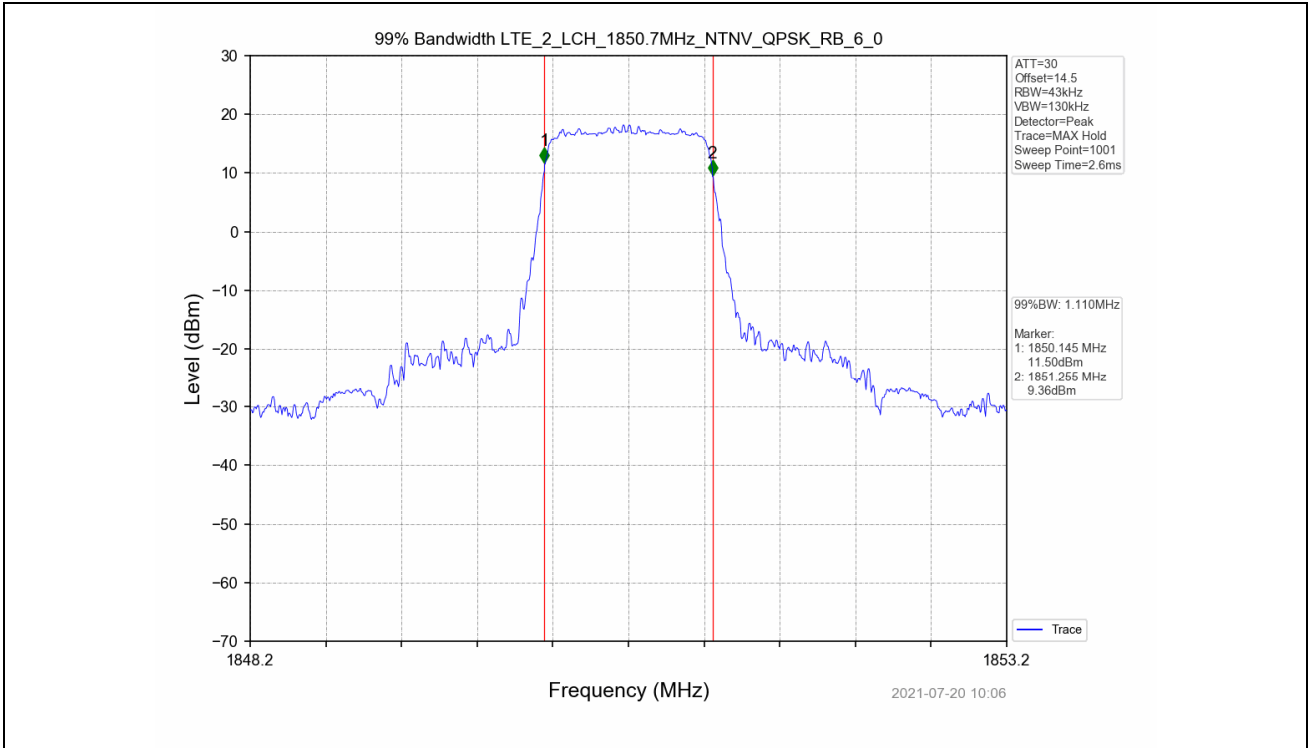
### 4.1 Test Result

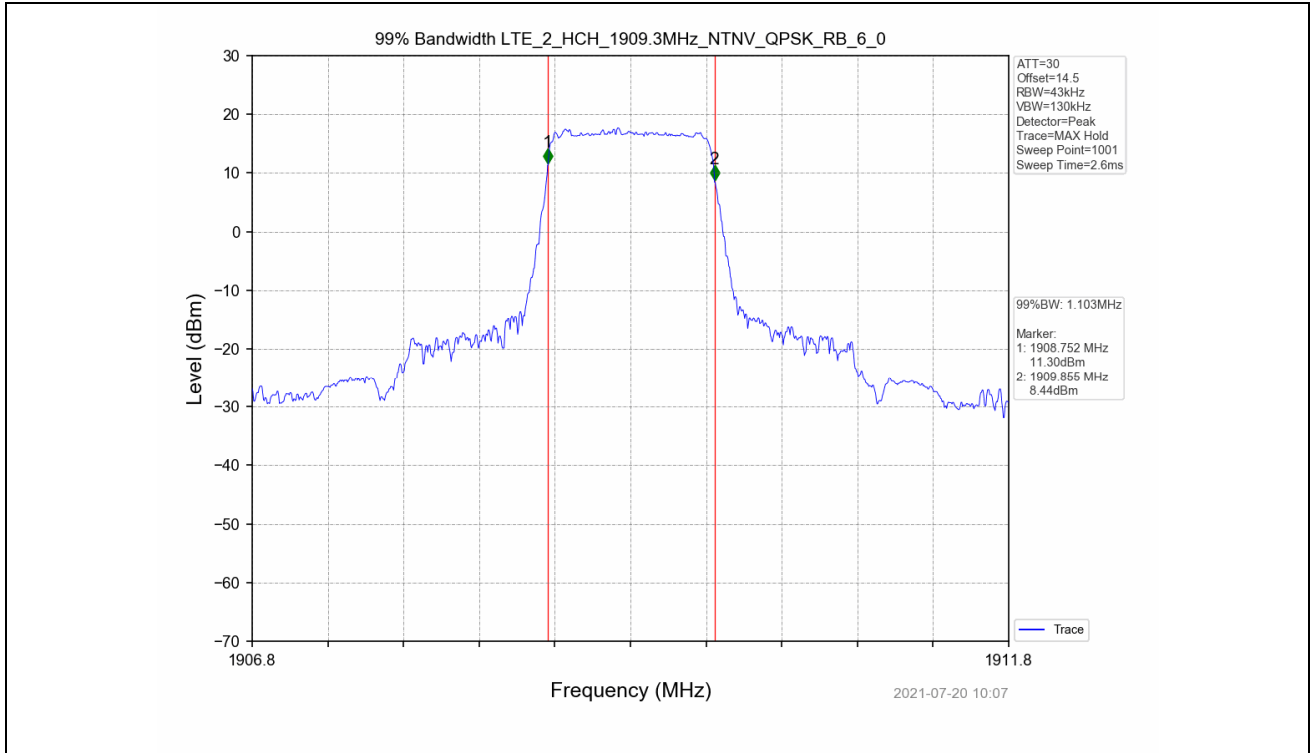
Test Band: 2_ 1.4MHz Bandwidth							Limit	Verdict
Test Mode	RB Allocation		99% Occupied Bandwidth (MHz)					
	Size	Offset	LCH	MCH	HCH			
QPSK	6	0	1.110	1.108	1.103	N/A	PASS	
16QAM	6	0	1.104	1.113	1.114	N/A	PASS	

### 4.2 Test Graph









Test Band: 2_ 1.4MHz Bandwidth							
Test Mode	RB Allocation		26dB Bandwidth (MHz)			Limit	Verdict
	Size	Offset	LCH	MCH	HCH		
QPSK	6	0	1.323	1.305	1.327	N/A	PASS
16QAM	6	0	1.315	1.329	1.338	N/A	PASS

### 4.2 Test Graph

