

Appendix for LTE B2 test report

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Results:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power[dBm]	EIRP[dBm]	Limit[dBm]	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	20.74	23.88	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	21.64	24.78	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	21.71	24.85	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	21.79	24.93	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	21.84	24.98	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	21.92	25.06	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	20.86	24	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	21.72	24.86	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	21.78	24.92	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	21.74	24.88	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	21.75	24.89	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	21.76	24.9	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	21.84	24.98	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	20.73	23.87	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	21.56	24.7	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	21.59	24.73	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	21.55	24.69	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	21.70	24.84	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	21.59	24.73	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	21.57	24.71	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	20.70	23.84	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	20.66	23.8	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	20.69	23.83	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	20.73	23.87	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	20.78	23.92	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	20.77	23.91	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	20.94	24.08	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	19.91	23.05	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	20.61	23.75	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	20.83	23.97	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	20.85	23.99	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	20.35	23.49	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	20.35	23.49	33	PASS

Total Quality. Assured.

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power[dBm]	EIRP[dBm]	Limit[dBm]	Verdict
Band2	1.4MHz	16QAM	18900	3RB#3	20.58	23.72	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.01	23.15	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	20.72	23.86	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.03	24.17	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	20.61	23.75	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	20.45	23.59	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	20.51	23.65	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	20.45	23.59	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	19.79	22.93	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	21.96	25.1	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	21.86	25	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	21.78	24.92	33	PASS
Band2	3MHz	QPSK	18615	8RB#4	20.76	23.9	33	PASS
Band2	3MHz	QPSK	18615	8RB#7	20.79	23.93	33	PASS
Band2	3MHz	QPSK	18615	8RB#0	20.66	23.8	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	20.71	23.85	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	21.75	24.89	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	21.64	24.78	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	21.53	24.67	33	PASS
Band2	3MHz	QPSK	18900	8RB#0	20.85	23.99	33	PASS
Band2	3MHz	QPSK	18900	8RB#7	20.75	23.89	33	PASS
Band2	3MHz	QPSK	18900	8RB#4	20.63	23.77	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	20.73	23.87	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	21.63	24.77	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	21.31	24.45	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	21.42	24.56	33	PASS
Band2	3MHz	QPSK	19185	8RB#4	20.63	23.77	33	PASS
Band2	3MHz	QPSK	19185	8RB#0	20.76	23.9	33	PASS
Band2	3MHz	QPSK	19185	8RB#7	20.62	23.76	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	20.62	23.76	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	20.87	24.01	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	20.80	23.94	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	20.76	23.9	33	PASS
Band2	3MHz	16QAM	18615	8RB#4	19.91	23.05	33	PASS
Band2	3MHz	16QAM	18615	8RB#7	19.94	23.08	33	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.02	23.16	33	PASS

Total Quality. Assured.

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power[dBm]	EIRP[dBm]	Limit[dBm]	Verdict
Band2	3MHz	16QAM	18615	15RB#0	19.69	22.83	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	20.63	23.77	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	20.74	23.88	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	20.41	23.55	33	PASS
Band2	3MHz	16QAM	18900	8RB#0	19.72	22.86	33	PASS
Band2	3MHz	16QAM	18900	8RB#4	19.99	23.13	33	PASS
Band2	3MHz	16QAM	18900	8RB#7	19.79	22.93	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	19.78	22.92	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	20.48	23.62	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	20.39	23.53	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	20.48	23.62	33	PASS
Band2	3MHz	16QAM	19185	8RB#0	19.77	22.91	33	PASS
Band2	3MHz	16QAM	19185	8RB#4	19.75	22.89	33	PASS
Band2	3MHz	16QAM	19185	8RB#7	19.88	23.02	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	19.73	22.87	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	21.78	24.92	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	21.75	24.89	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	21.49	24.63	33	PASS
Band2	5MHz	QPSK	18625	12RB#13	20.74	23.88	33	PASS
Band2	5MHz	QPSK	18625	12RB#0	20.69	23.83	33	PASS
Band2	5MHz	QPSK	18625	12RB#6	20.51	23.65	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	20.61	23.75	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	21.78	24.92	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	21.84	24.98	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	21.80	24.94	33	PASS
Band2	5MHz	QPSK	18900	12RB#0	20.84	23.98	33	PASS
Band2	5MHz	QPSK	18900	12RB#6	20.78	23.92	33	PASS
Band2	5MHz	QPSK	18900	12RB#13	20.62	23.76	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	20.86	24	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	21.49	24.63	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	21.51	24.65	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	21.38	24.52	33	PASS
Band2	5MHz	QPSK	19175	12RB#0	20.45	23.59	33	PASS
Band2	5MHz	QPSK	19175	12RB#13	20.39	23.53	33	PASS
Band2	5MHz	QPSK	19175	12RB#6	20.44	23.58	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	20.41	23.55	33	PASS

Total Quality. Assured.

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power[dBm]	EIRP[dBm]	Limit[dBm]	Verdict
Band2	5MHz	16QAM	18625	1RB#12	20.68	23.82	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	20.66	23.8	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	20.40	23.54	33	PASS
Band2	5MHz	16QAM	18625	12RB#13	19.67	22.81	33	PASS
Band2	5MHz	16QAM	18625	12RB#6	19.69	22.83	33	PASS
Band2	5MHz	16QAM	18625	12RB#0	19.60	22.74	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	19.99	23.13	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	20.78	23.92	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	20.80	23.94	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	20.80	23.94	33	PASS
Band2	5MHz	16QAM	18900	12RB#0	19.99	23.13	33	PASS
Band2	5MHz	16QAM	18900	12RB#6	19.91	23.05	33	PASS
Band2	5MHz	16QAM	18900	12RB#13	19.84	22.98	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	19.71	22.85	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	20.38	23.52	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	19.95	23.09	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	20.40	23.54	33	PASS
Band2	5MHz	16QAM	19175	12RB#13	19.58	22.72	33	PASS
Band2	5MHz	16QAM	19175	12RB#6	19.46	22.6	33	PASS
Band2	5MHz	16QAM	19175	12RB#0	19.57	22.71	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	19.62	22.76	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	21.57	24.71	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	21.65	24.79	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	21.57	24.71	33	PASS
Band2	10MHz	QPSK	18650	25RB#0	20.70	23.84	33	PASS
Band2	10MHz	QPSK	18650	25RB#12	20.71	23.85	33	PASS
Band2	10MHz	QPSK	18650	25RB#25	20.59	23.73	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	20.57	23.71	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	21.57	24.71	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	21.80	24.94	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	21.50	24.64	33	PASS
Band2	10MHz	QPSK	18900	25RB#25	20.86	24	33	PASS
Band2	10MHz	QPSK	18900	25RB#0	20.77	23.91	33	PASS
Band2	10MHz	QPSK	18900	25RB#12	20.57	23.71	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	20.67	23.81	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	21.72	24.86	33	PASS

Total Quality. Assured.

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power[dBm]	EIRP[dBm]	Limit[dBm]	Verdict
Band2	10MHz	QPSK	19150	1RB#0	21.62	24.76	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	21.52	24.66	33	PASS
Band2	10MHz	QPSK	19150	25RB#12	20.65	23.79	33	PASS
Band2	10MHz	QPSK	19150	25RB#25	20.62	23.76	33	PASS
Band2	10MHz	QPSK	19150	25RB#0	20.44	23.58	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	20.54	23.68	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	20.74	23.88	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	20.96	24.1	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	20.40	23.54	33	PASS
Band2	10MHz	16QAM	18650	25RB#25	19.78	22.92	33	PASS
Band2	10MHz	16QAM	18650	25RB#0	19.69	22.83	33	PASS
Band2	10MHz	16QAM	18650	25RB#12	19.71	22.85	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	19.84	22.98	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	20.56	23.7	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	20.73	23.87	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	20.49	23.63	33	PASS
Band2	10MHz	16QAM	18900	25RB#25	19.96	23.1	33	PASS
Band2	10MHz	16QAM	18900	25RB#0	19.95	23.09	33	PASS
Band2	10MHz	16QAM	18900	25RB#12	19.75	22.89	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	19.76	22.9	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	20.61	23.75	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	20.82	23.96	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	20.55	23.69	33	PASS
Band2	10MHz	16QAM	19150	25RB#25	19.68	22.82	33	PASS
Band2	10MHz	16QAM	19150	25RB#0	19.77	22.91	33	PASS
Band2	10MHz	16QAM	19150	25RB#12	19.38	22.52	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	19.61	22.75	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	21.63	24.77	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	21.58	24.72	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	21.40	24.54	33	PASS
Band2	15MHz	QPSK	18675	38RB#0	20.52	23.66	33	PASS
Band2	15MHz	QPSK	18675	38RB#37	20.55	23.69	33	PASS
Band2	15MHz	QPSK	18675	38RB#18	20.53	23.67	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	20.51	23.65	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	21.47	24.61	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	21.60	24.74	33	PASS

Total Quality. Assured.

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power[dBm]	EIRP[dBm]	Limit[dBm]	Verdict
Band2	15MHz	QPSK	18900	1RB#0	21.50	24.64	33	PASS
Band2	15MHz	QPSK	18900	38RB#18	20.75	23.89	33	PASS
Band2	15MHz	QPSK	18900	38RB#0	20.68	23.82	33	PASS
Band2	15MHz	QPSK	18900	38RB#37	20.68	23.82	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	20.67	23.81	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	21.69	24.83	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	21.62	24.76	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	21.67	24.81	33	PASS
Band2	15MHz	QPSK	19125	38RB#37	20.74	23.88	33	PASS
Band2	15MHz	QPSK	19125	38RB#0	20.62	23.76	33	PASS
Band2	15MHz	QPSK	19125	38RB#18	20.61	23.75	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	20.61	23.75	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	20.69	23.83	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	20.49	23.63	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	20.43	23.57	33	PASS
Band2	15MHz	16QAM	18675	38RB#18	20.56	23.7	33	PASS
Band2	15MHz	16QAM	18675	38RB#37	20.54	23.68	33	PASS
Band2	15MHz	16QAM	18675	38RB#0	20.60	23.74	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	19.68	22.82	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	20.38	23.52	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	20.72	23.86	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	20.63	23.77	33	PASS
Band2	15MHz	16QAM	18900	38RB#18	20.68	23.82	33	PASS
Band2	15MHz	16QAM	18900	38RB#0	20.68	23.82	33	PASS
Band2	15MHz	16QAM	18900	38RB#37	20.67	23.81	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	19.77	22.91	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	20.86	24	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.12	24.26	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	20.69	23.83	33	PASS
Band2	15MHz	16QAM	19125	38RB#0	20.70	23.84	33	PASS
Band2	15MHz	16QAM	19125	38RB#18	20.62	23.76	33	PASS
Band2	15MHz	16QAM	19125	38RB#37	20.61	23.75	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	19.68	22.82	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	21.74	24.88	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	21.83	24.97	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	21.52	24.66	33	PASS

Total Quality. Assured.

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power[dBm]	EIRP[dBm]	Limit[dBm]	Verdict
Band2	20MHz	QPSK	18700	50RB#25	20.51	23.65	33	PASS
Band2	20MHz	QPSK	18700	50RB#0	20.50	23.64	33	PASS
Band2	20MHz	QPSK	18700	50RB#50	20.39	23.53	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	20.46	23.6	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	21.44	24.58	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	21.87	25.01	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	21.57	24.71	33	PASS
Band2	20MHz	QPSK	18900	50RB#0	20.63	23.77	33	PASS
Band2	20MHz	QPSK	18900	50RB#25	20.69	23.83	33	PASS
Band2	20MHz	QPSK	18900	50RB#50	20.64	23.78	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	20.61	23.75	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	21.96	25.1	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	21.99	25.13	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	21.72	24.86	33	PASS
Band2	20MHz	QPSK	19100	50RB#25	20.76	23.9	33	PASS
Band2	20MHz	QPSK	19100	50RB#0	20.77	23.91	33	PASS
Band2	20MHz	QPSK	19100	50RB#50	20.58	23.72	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	20.55	23.69	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	20.71	23.85	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.09	24.23	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	20.46	23.6	33	PASS
Band2	20MHz	16QAM	18700	50RB#0	19.67	22.81	33	PASS
Band2	20MHz	16QAM	18700	50RB#25	19.67	22.81	33	PASS
Band2	20MHz	16QAM	18700	50RB#50	19.60	22.74	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	19.54	22.68	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	20.86	24	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.64	24.78	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.05	24.19	33	PASS
Band2	20MHz	16QAM	18900	50RB#50	19.78	22.92	33	PASS
Band2	20MHz	16QAM	18900	50RB#25	19.60	22.74	33	PASS
Band2	20MHz	16QAM	18900	50RB#0	19.72	22.86	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	19.69	22.83	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	20.89	24.03	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.18	24.32	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	20.49	23.63	33	PASS
Band2	20MHz	16QAM	19100	50RB#25	19.85	22.99	33	PASS

Total Quality. Assured.

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power[dBm]	EIRP[dBm]	Limit[dBm]	Verdict
Band2	20MHz	16QAM	19100	50RB#0	19.85	22.99	33	PASS
Band2	20MHz	16QAM	19100	50RB#50	19.72	22.86	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	19.61	22.75	33	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

c, Antenna gain of LTE Band 2 is 3.14dBi.

Note2: SET Span=1.5*OBW

SET RBW=1%of the OBW,not to exceed 1MHz

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

Detector:RMS

Appendix B: Peak-to-Average Ratio

Test Results

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	4.77	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	5.26	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	4.64	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.13	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	4.75	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.28	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	5.83	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.11	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	5.63	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.03	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	5.78	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	6.16	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	4.79	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.33	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	4.67	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.25	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.76	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.33	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	5.65	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.12	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	5.65	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.02	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.63	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.11	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	4.72	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.34	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	4.62	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.20	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	4.66	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.30	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	5.62	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.11	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	5.47	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	5.95	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	5.55	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.07	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	4.69	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.29	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	4.57	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.13	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	4.62	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.11	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	5.65	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.12	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	5.59	13	PASS

Total Quality. Assured.

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	10MHz	16QAM	18900	50RB#0	5.95	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	5.51	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	5.97	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	4.69	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.46	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.57	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.23	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	4.69	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.11	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	5.55	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.15	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	5.51	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	5.96	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	5.58	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	5.93	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	4.68	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.26	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	4.61	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.07	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	4.72	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.97	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	5.59	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.07	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.57	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.90	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	5.58	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.92	13	PASS

Appendix C: Modulation Characteristics

Test Plots

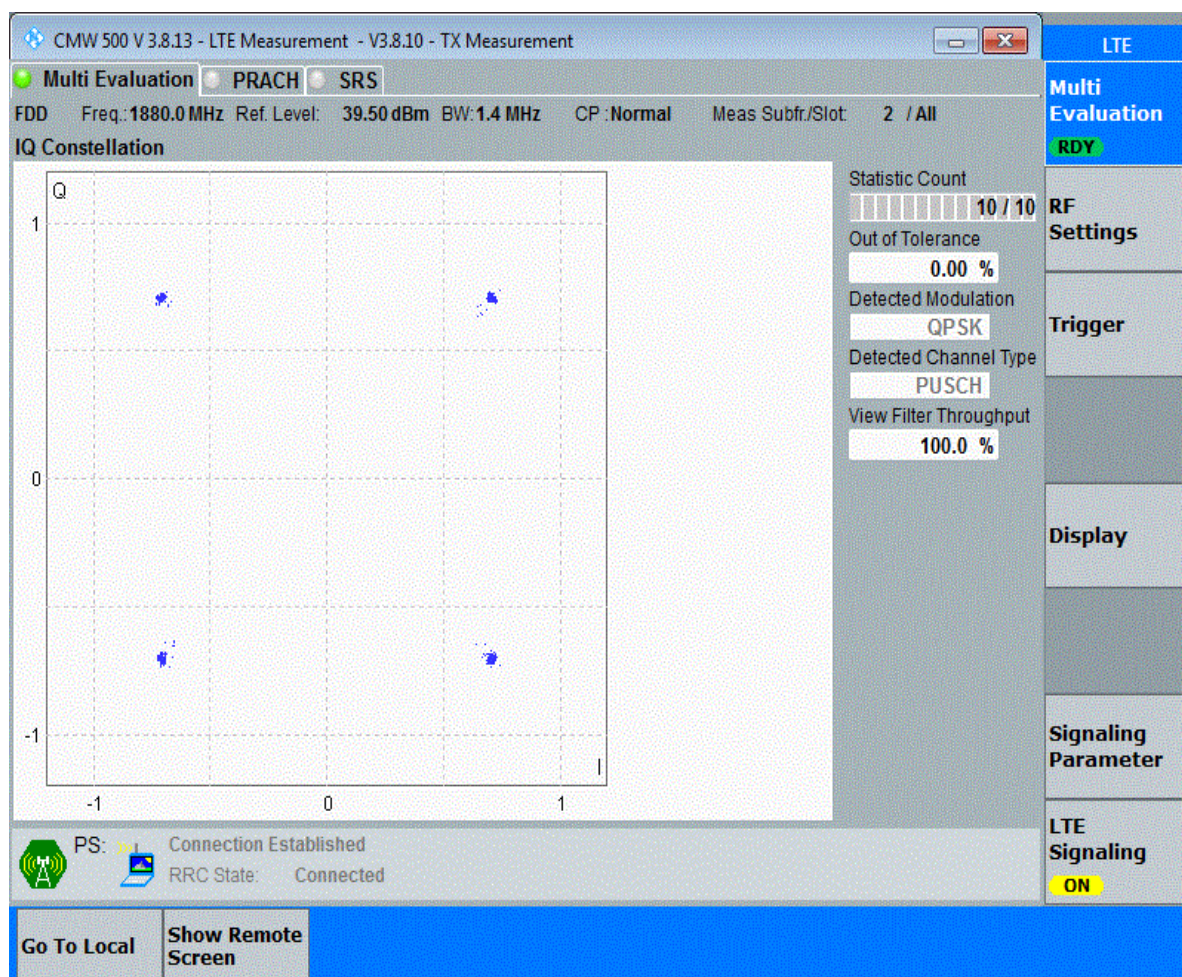
Test Band = BAND2

Test Mode = LTE/TM1

Test Bandwidth = 1.4MHz

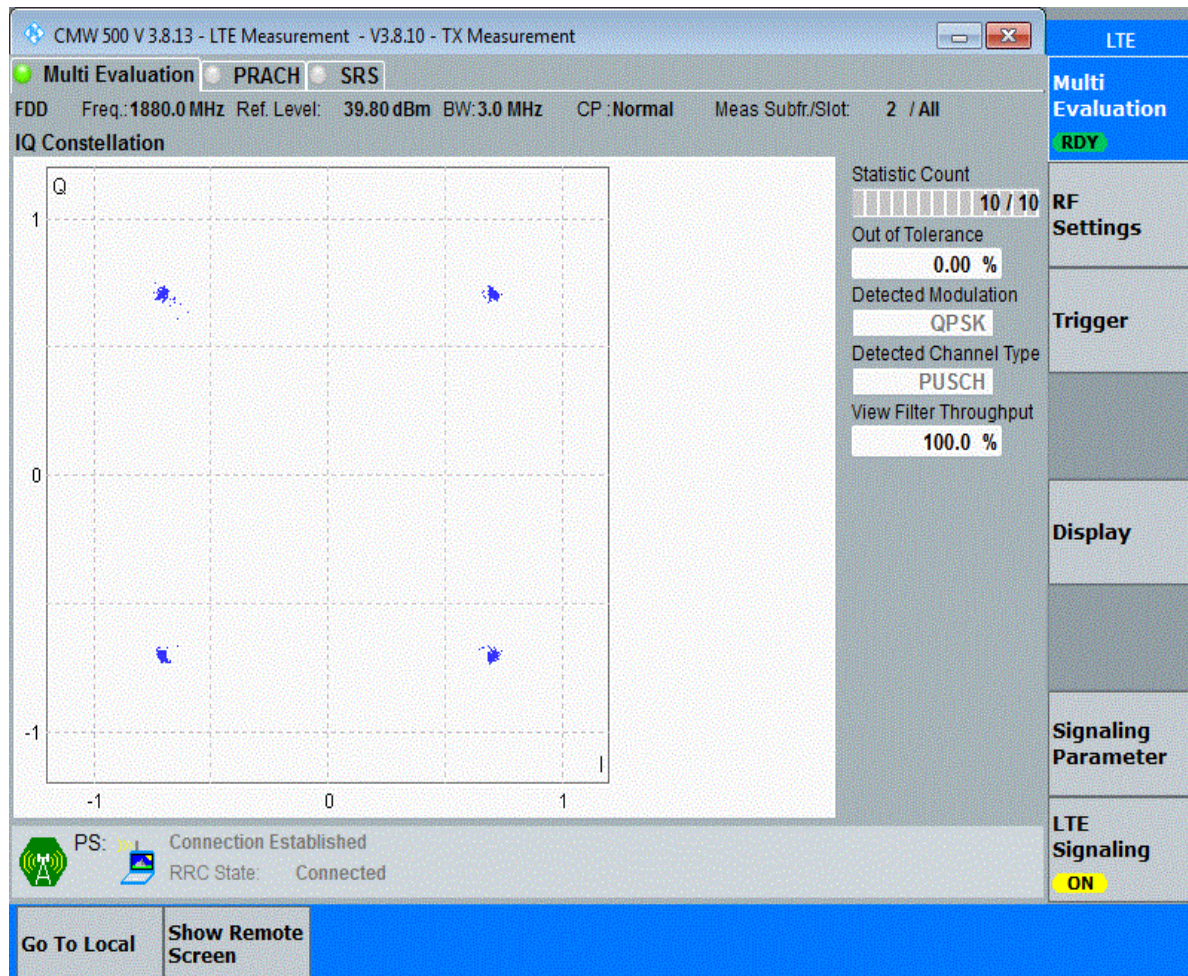
Test Channel = MCH

Test RB = RB6#0



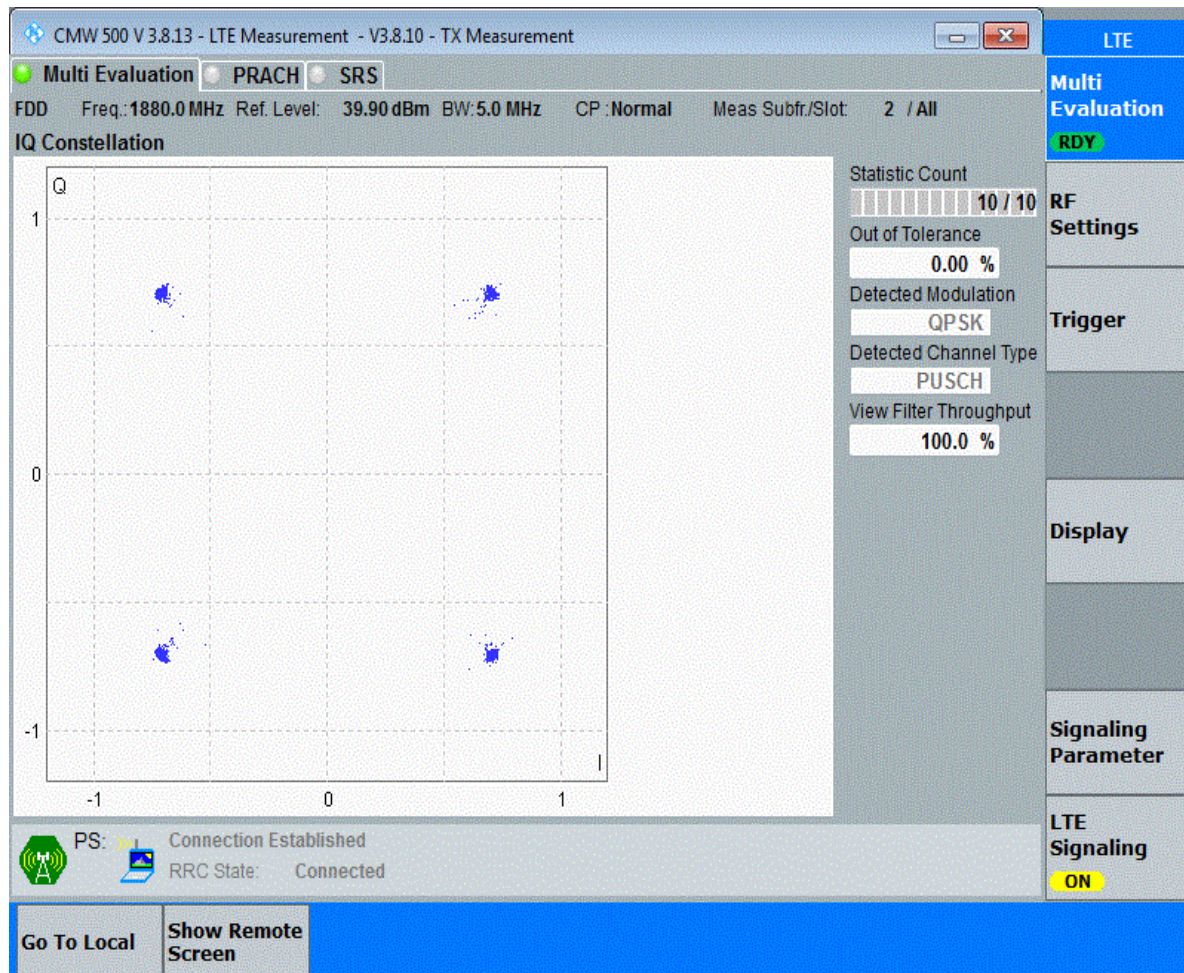
Test Channel = MCH

Test RB = RB15#0



Test Channel = MCH

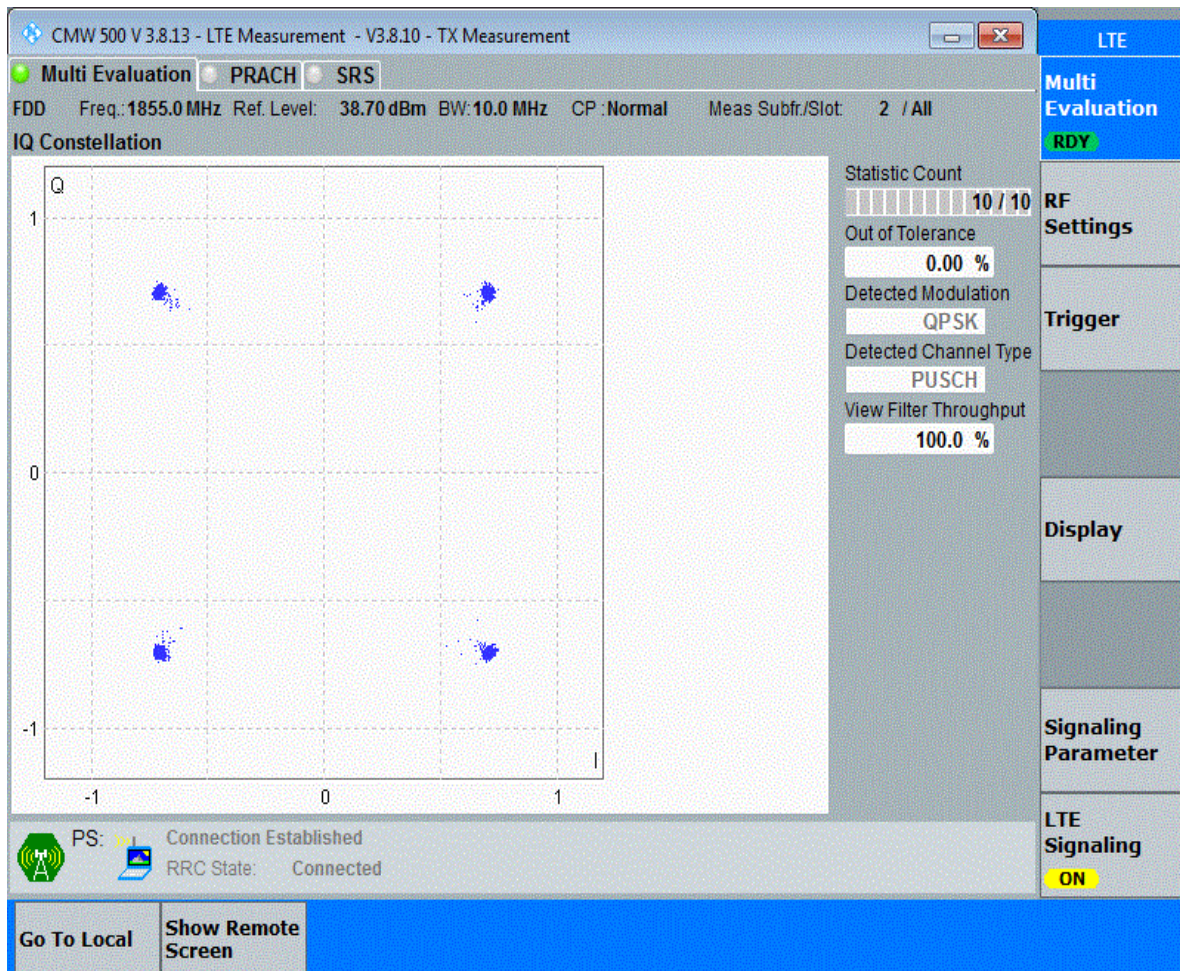
Test RB = RB25#0



Test Bandwidth = 10MHz

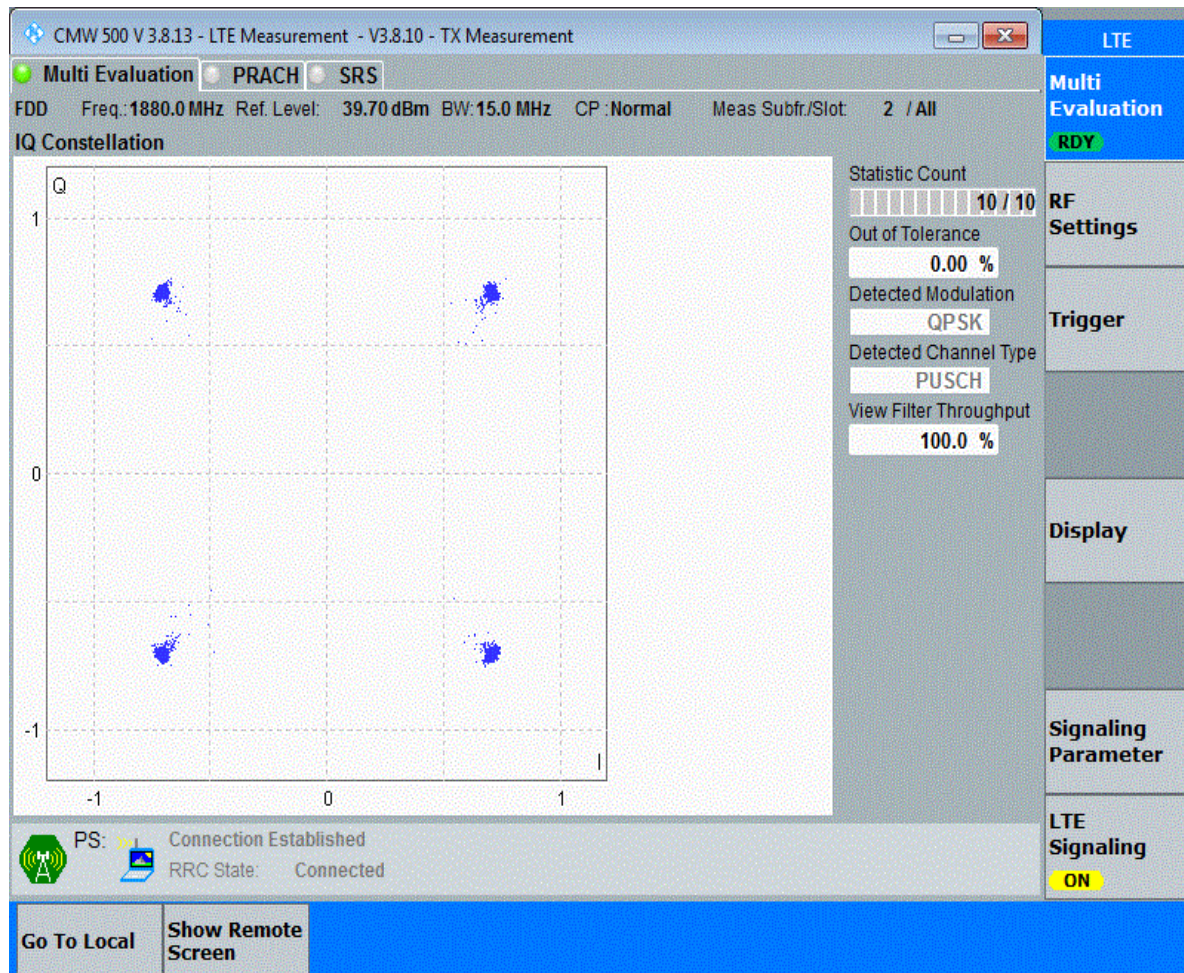
Test Channel = MCH

Test RB = RB50#0



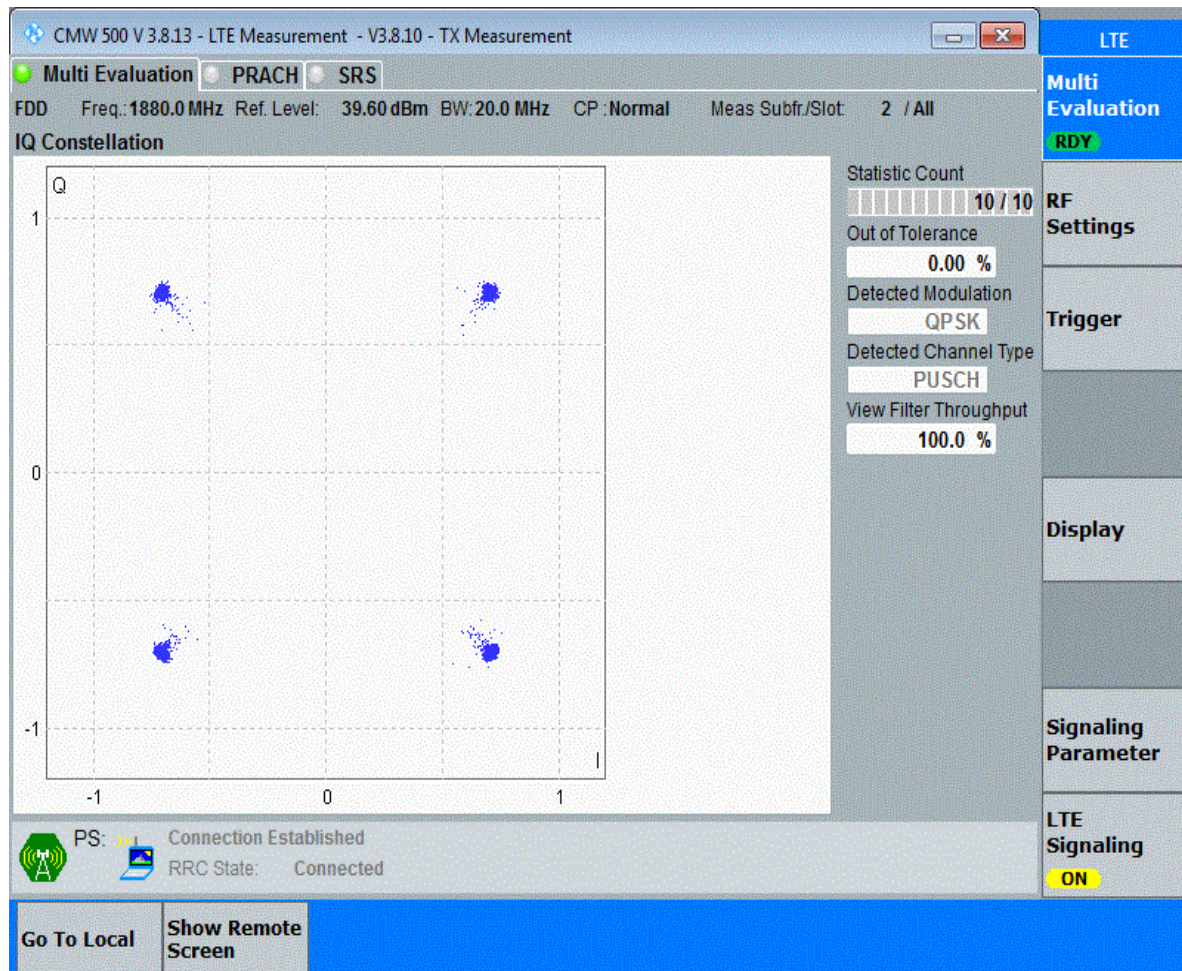
Test Channel = MCH

Test RB = RB75#0



Test Channel = MCH

Test RB = RB100#0

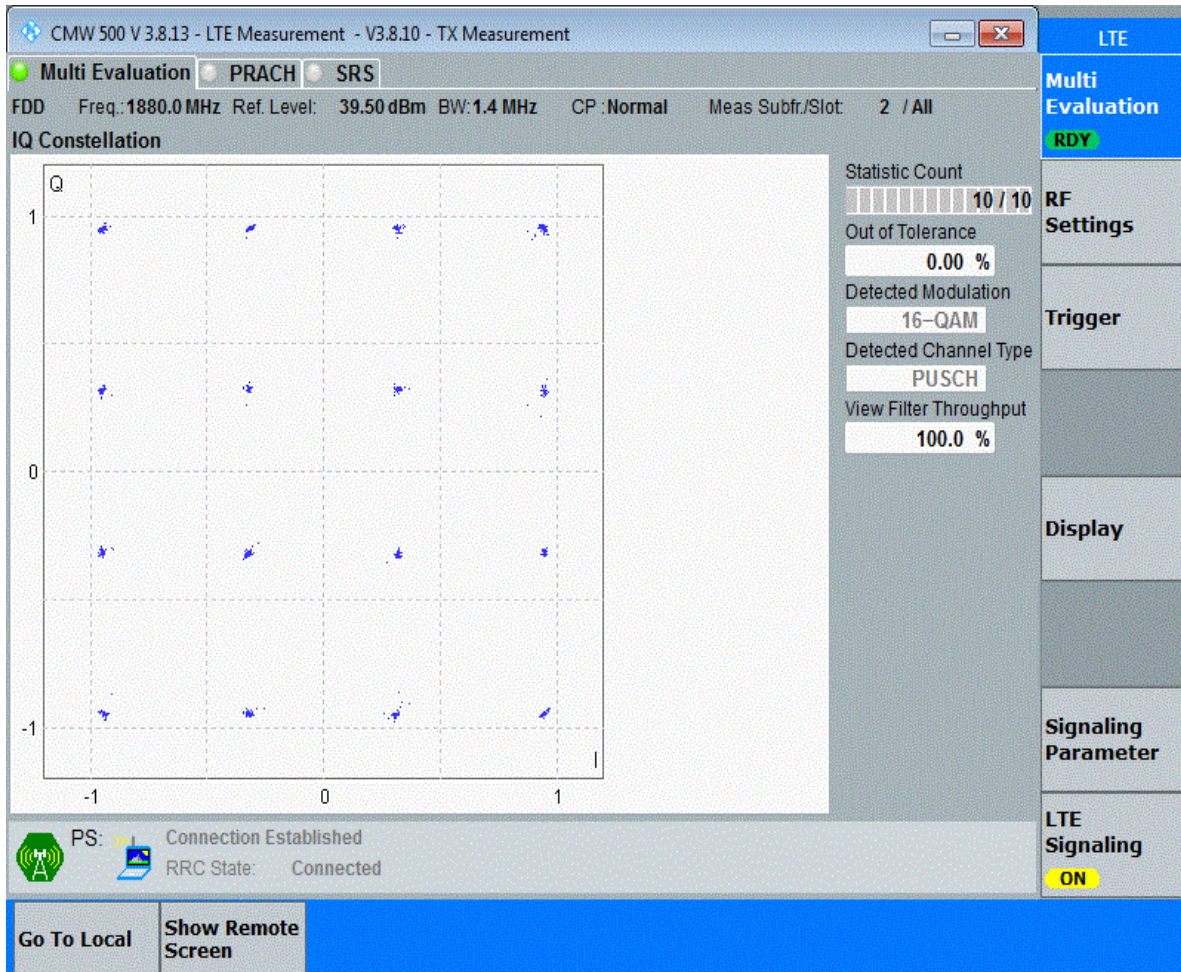


Test Mode = LTE/TM2

Bandwidth = 1.4MHz

Test Channel = MCH

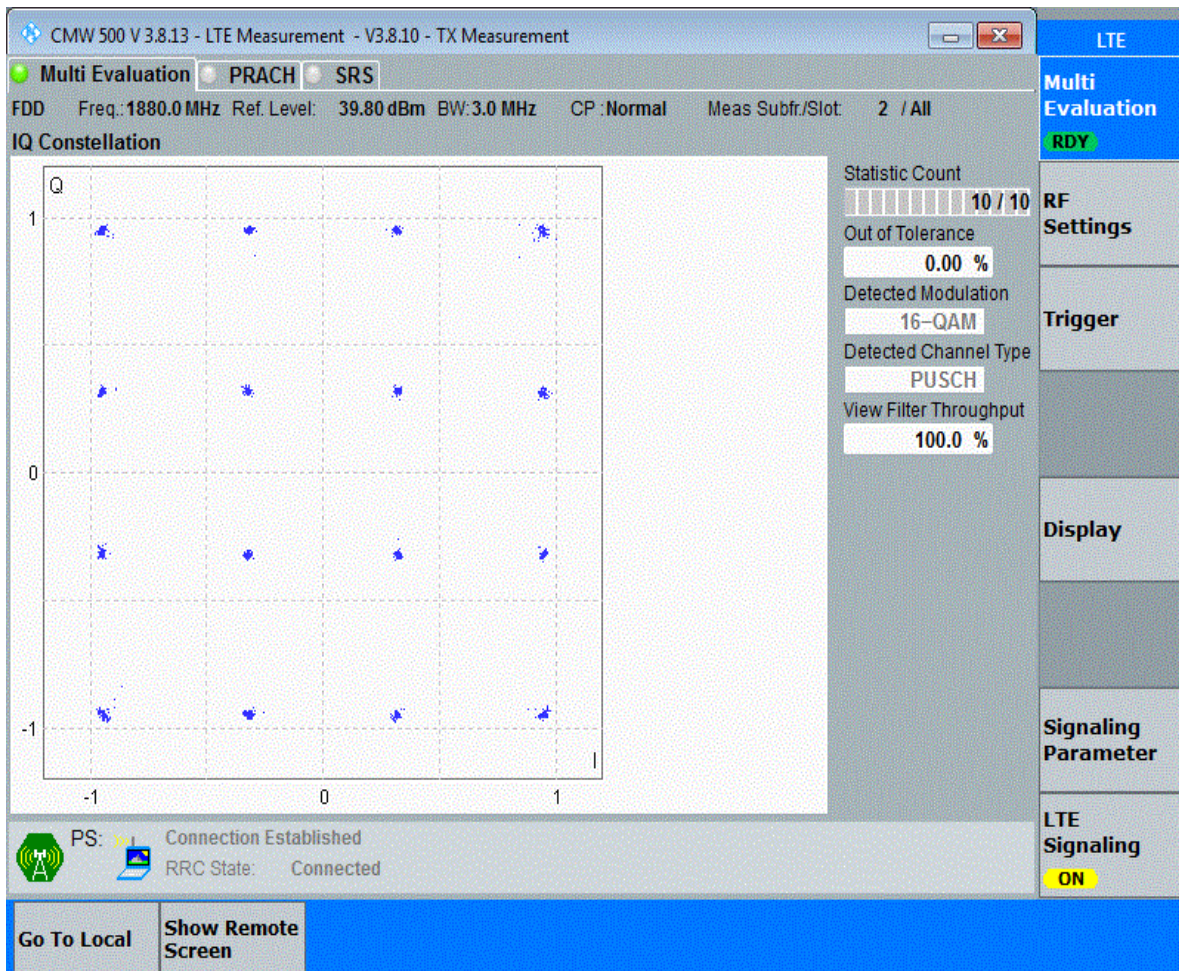
Test RB = RB6#0



Test Bandwidth = 3MHz

Test Channel = MCH

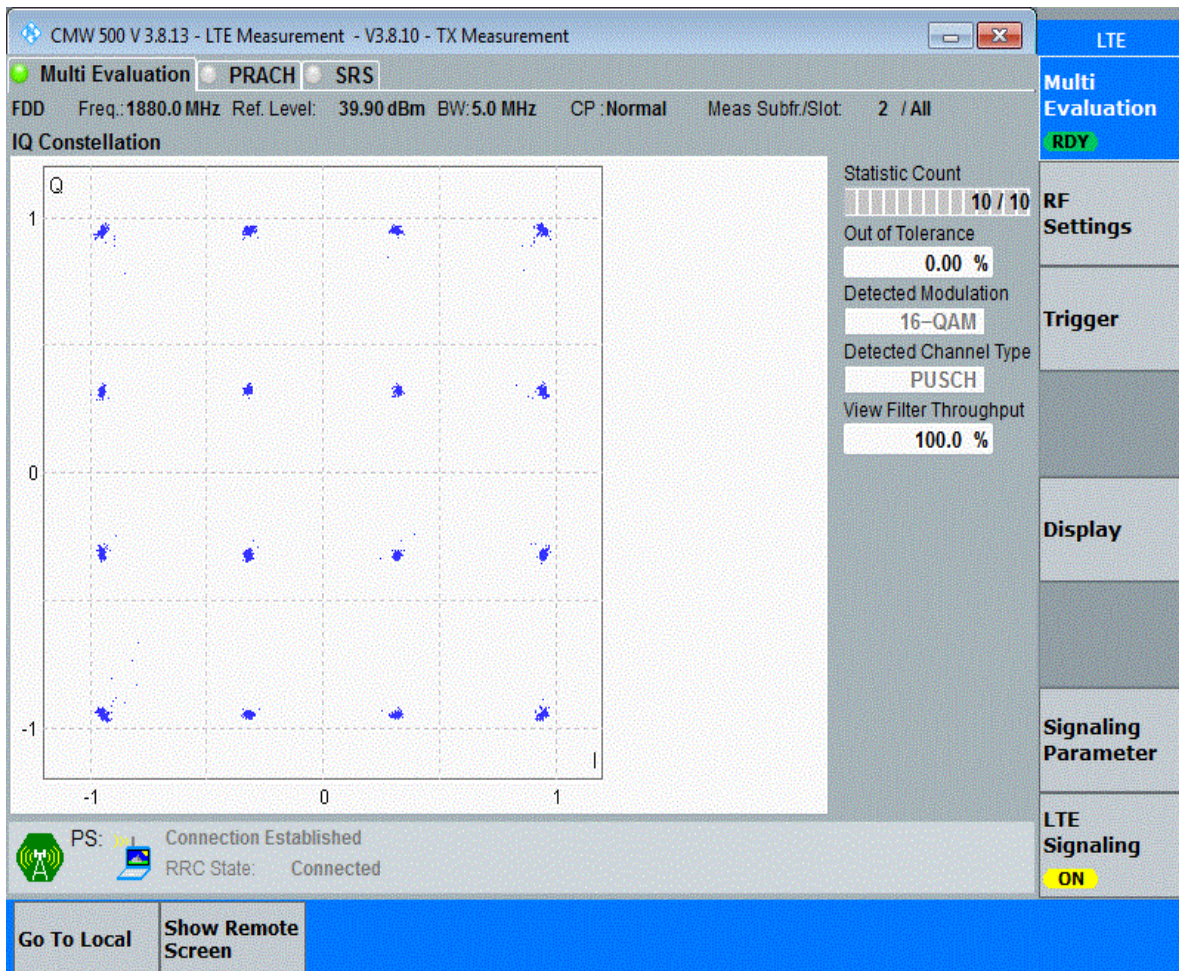
Test RB = RB15#0



Test Bandwidth = 5MHz

Test Channel = MCH

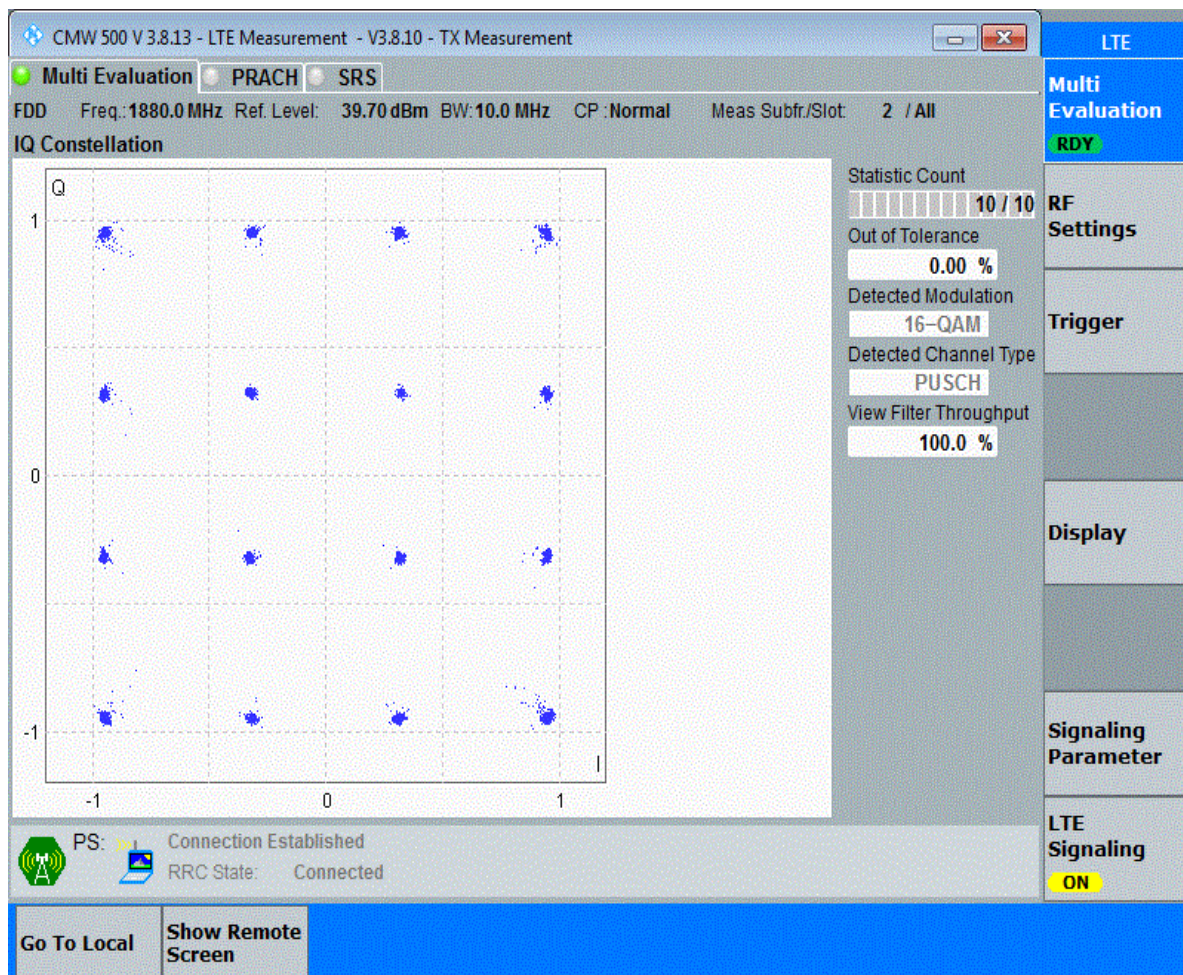
Test RB = RB25#0



Test Bandwidth = 10MHz

Test Channel = MCH

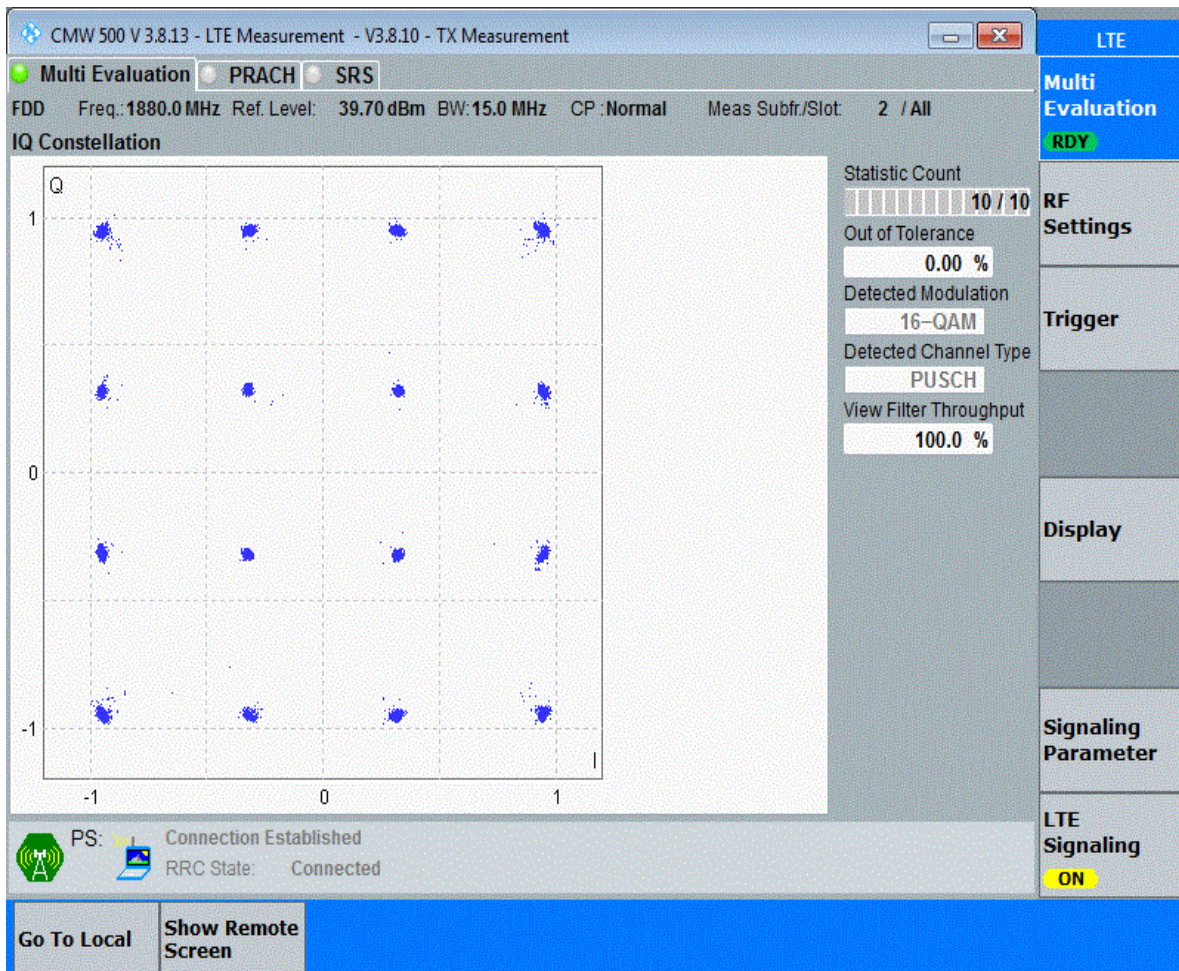
Test RB = RB50#0



Test Bandwidth = 15MHz

Test Channel = MCH

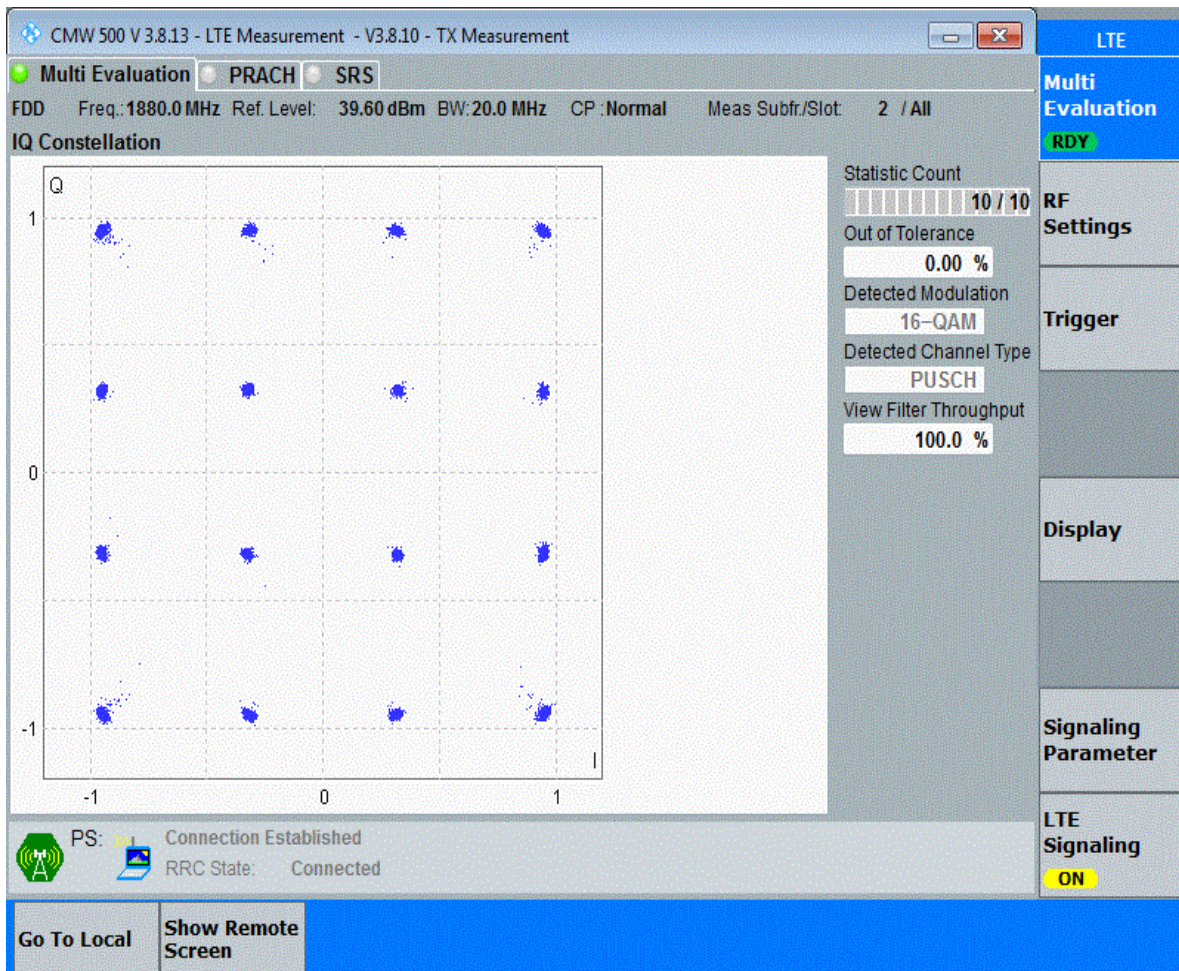
Test RB = RB75#0



Test Bandwidth = 20MHz

Test Channel = MCH

Test RB = RB100#0

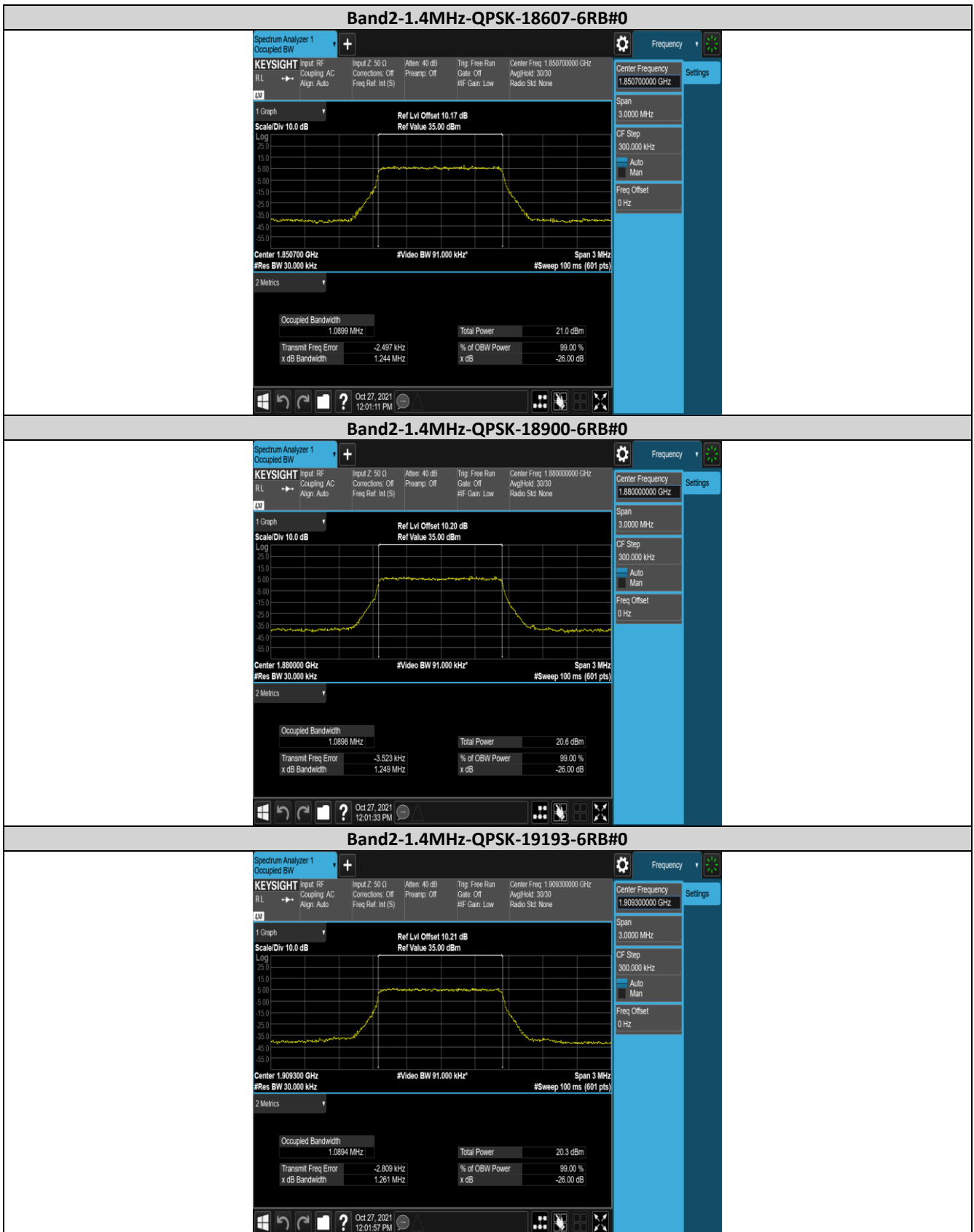


Appendix D: Bandwidth

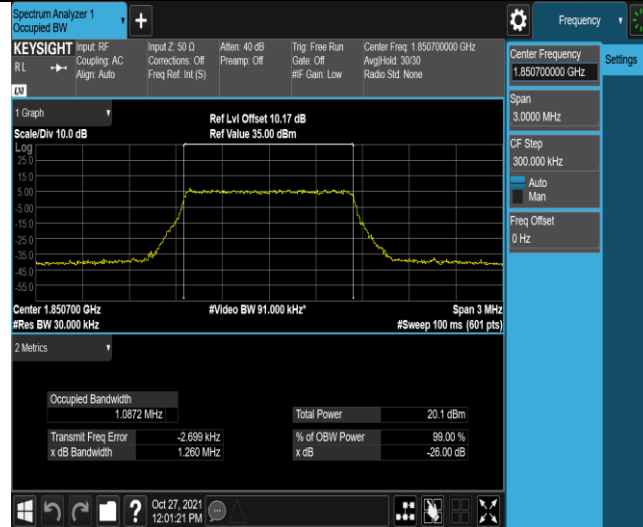
Test Results

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0899	1.244	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0898	1.249	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0894	1.261	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0872	1.260	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0902	1.265	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0906	1.261	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6937	2.903	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6971	2.913	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6938	2.906	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6898	2.889	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6912	2.935	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6893	2.898	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5021	4.906	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4970	4.889	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4997	4.889	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5070	4.888	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5036	4.900	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5046	4.844	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9643	9.544	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9560	9.527	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9411	9.519	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9543	9.547	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9603	9.517	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9301	9.486	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.445	14.32	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.414	14.26	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.363	14.25	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.429	14.25	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.408	14.22	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.359	14.21	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.924	18.95	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.847	18.93	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.814	18.90	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.916	18.96	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.852	18.92	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.776	18.88	PASS

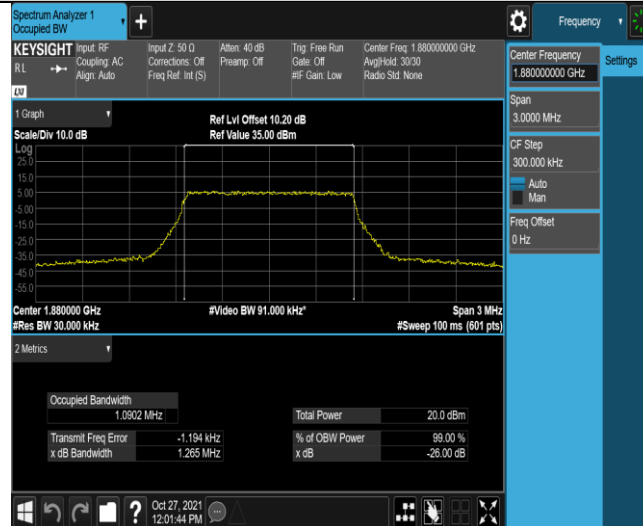
Test Plots



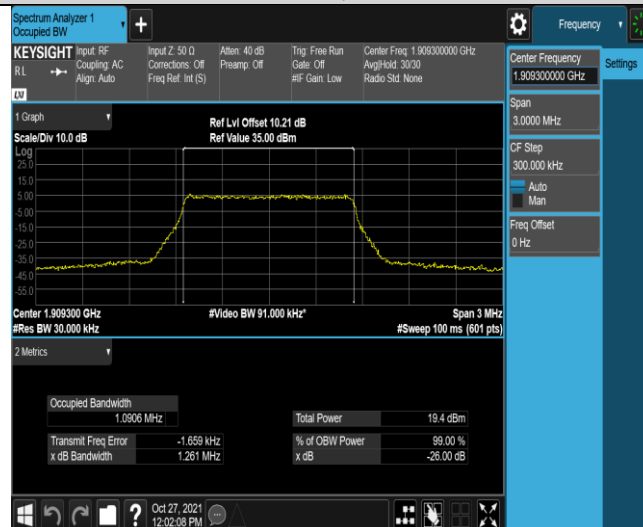
Band2-1.4MHz-16QAM-18607-6RB#0



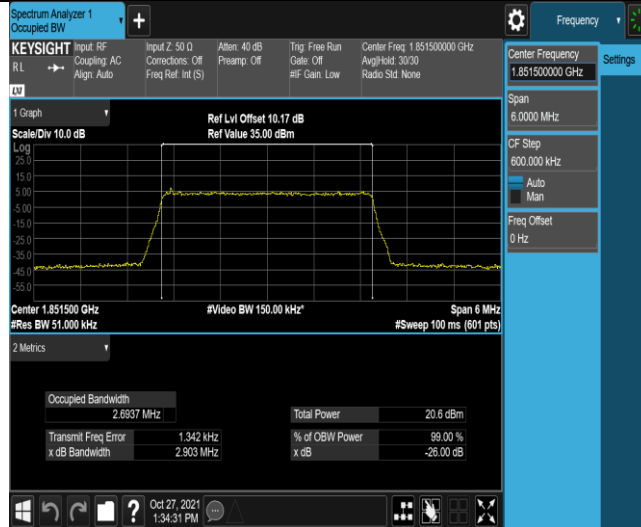
Band2-1.4MHz-16QAM-18900-6RB#0



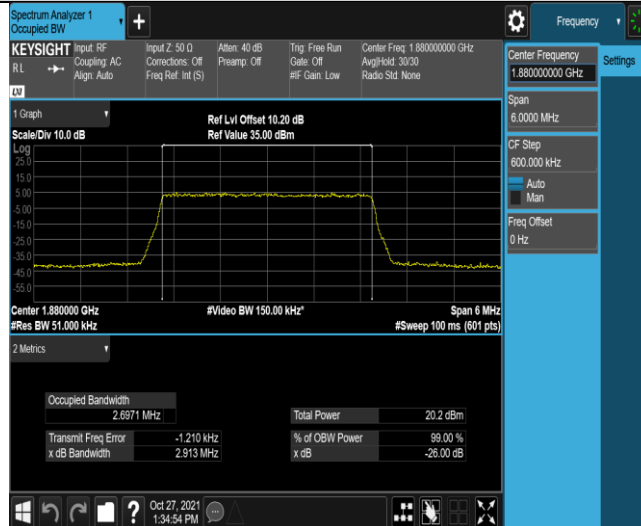
Band2-1.4MHz-16QAM-19193-6RB#0



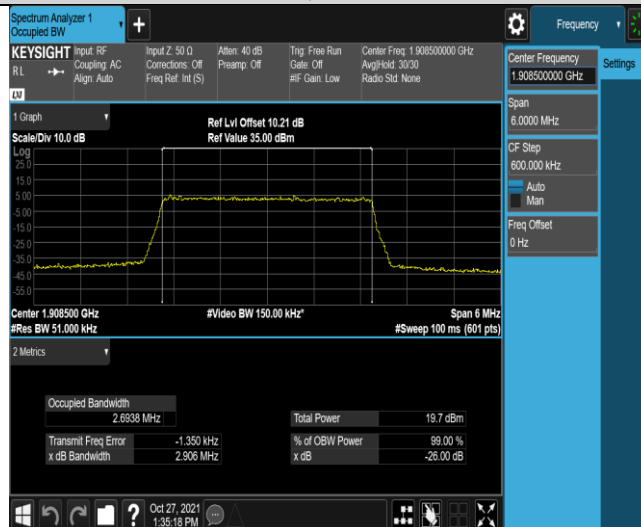
Band2-3MHz-QPSK-18615-15RB#0



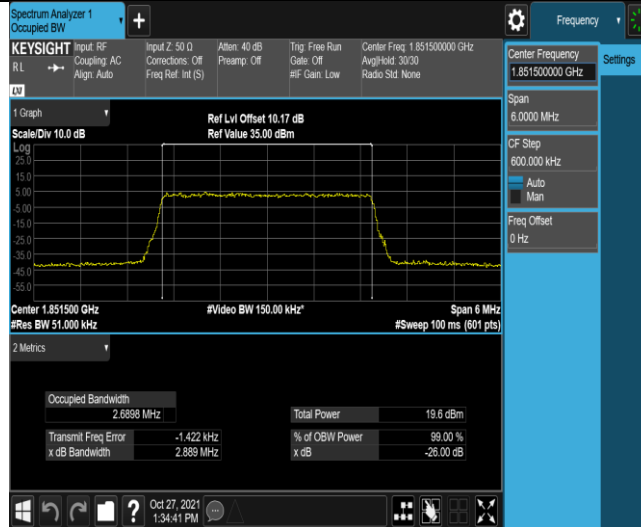
Band2-3MHz-QPSK-18900-15RB#0



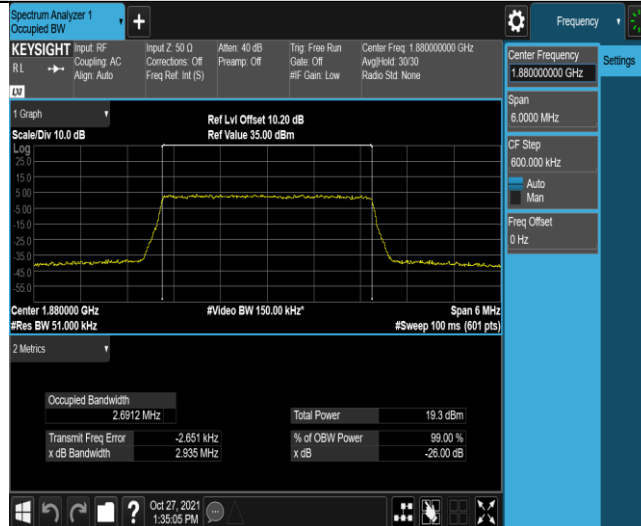
Band2-3MHz-QPSK-19185-15RB#0



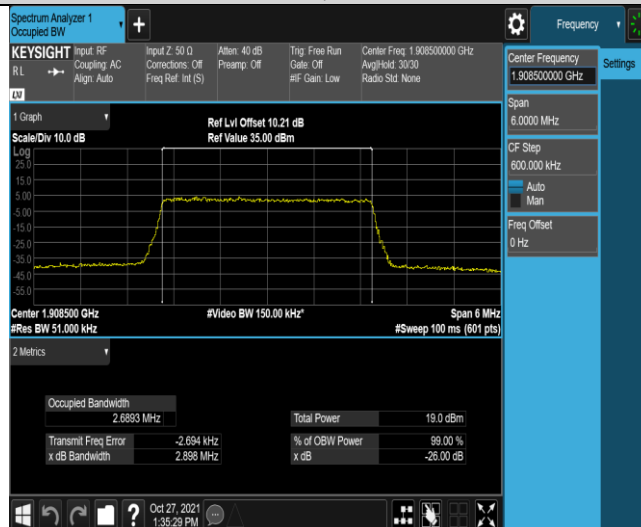
Band2-3MHz-16QAM-18615-15RB#0



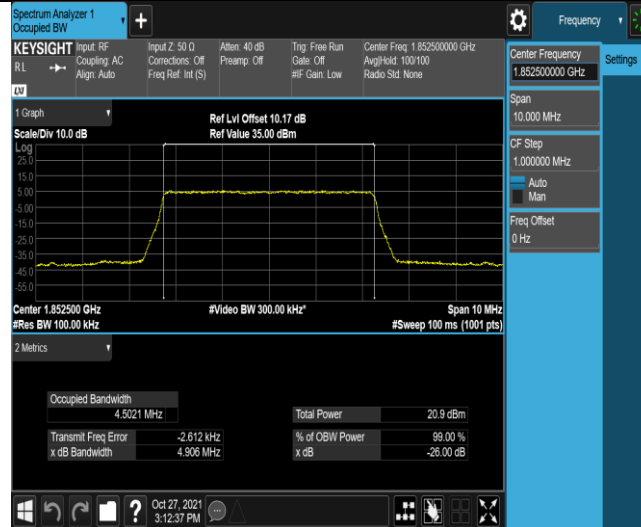
Band2-3MHz-16QAM-18900-15RB#0



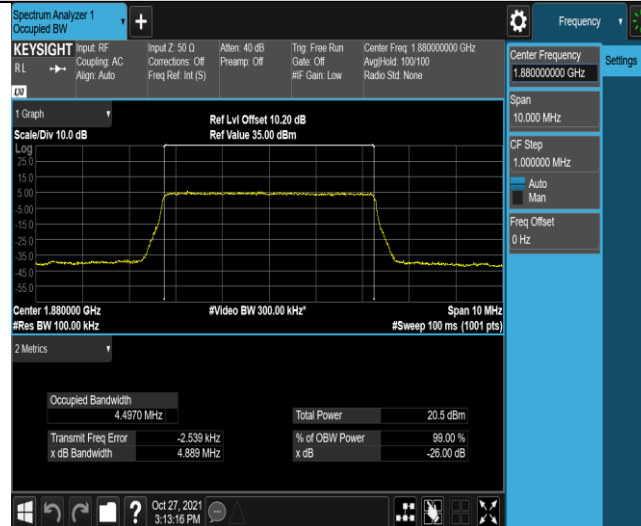
Band2-3MHz-16QAM-19185-15RB#0



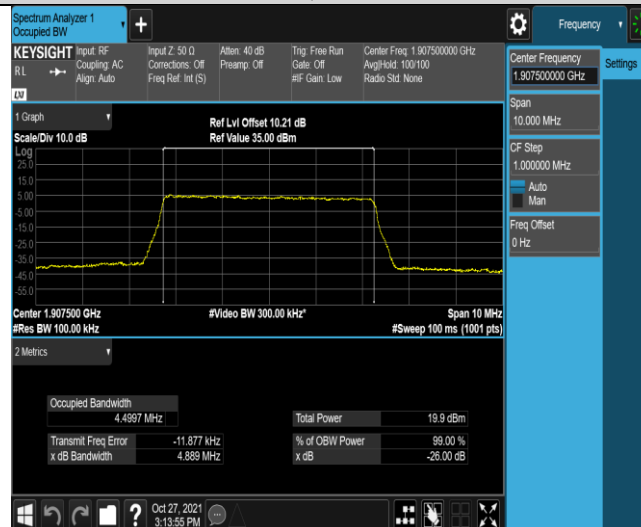
Band2-5MHz-QPSK-18625-25RB#0



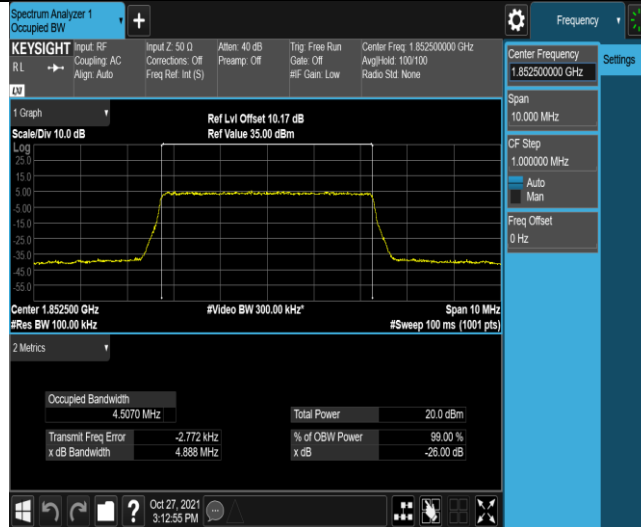
Band2-5MHz-QPSK-18900-25RB#0



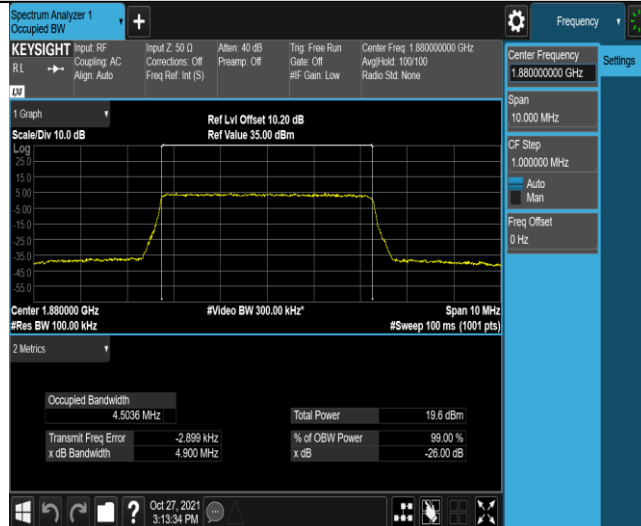
Band2-5MHz-QPSK-19175-25RB#0



Band2-5MHz-16QAM-18625-25RB#0



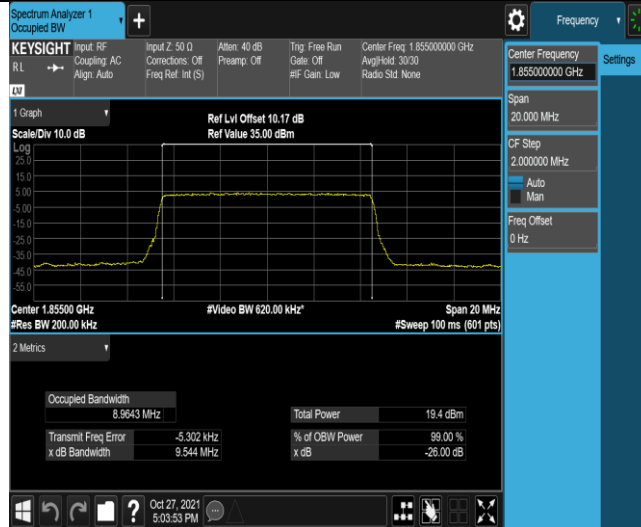
Band2-5MHz-16QAM-18900-25RB#0



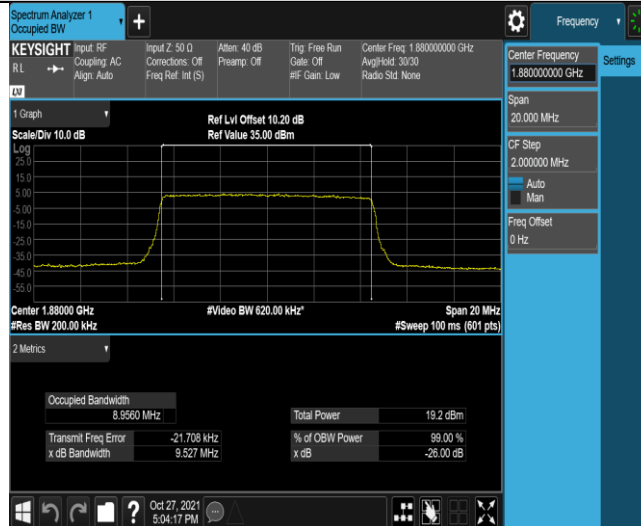
Band2-5MHz-16QAM-19175-25RB#0



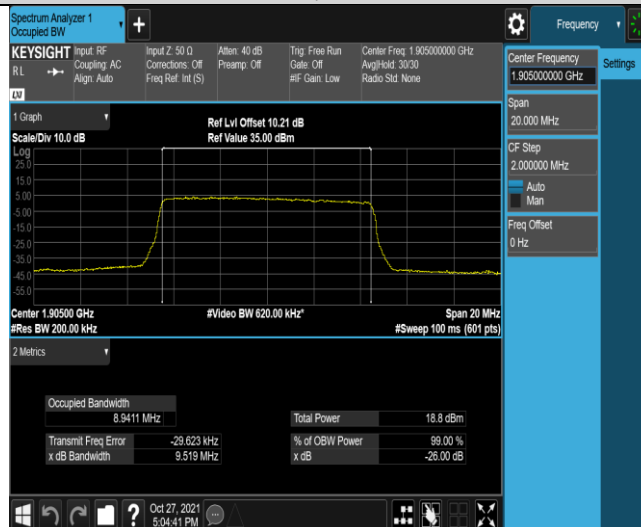
Band2-10MHz-QPSK-18650-50RB#0



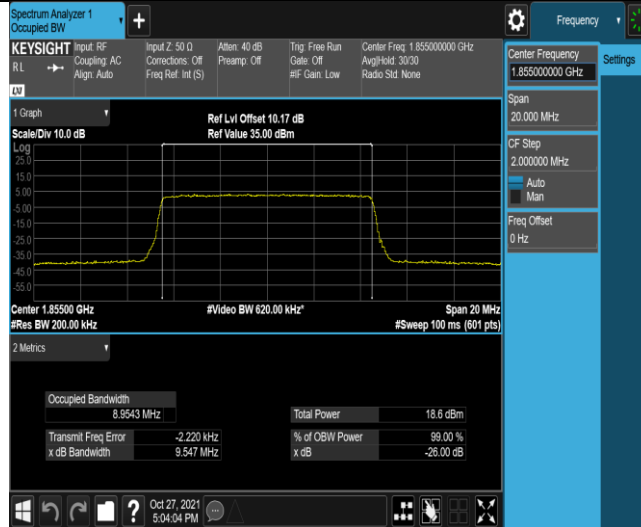
Band2-10MHz-QPSK-18900-50RB#0



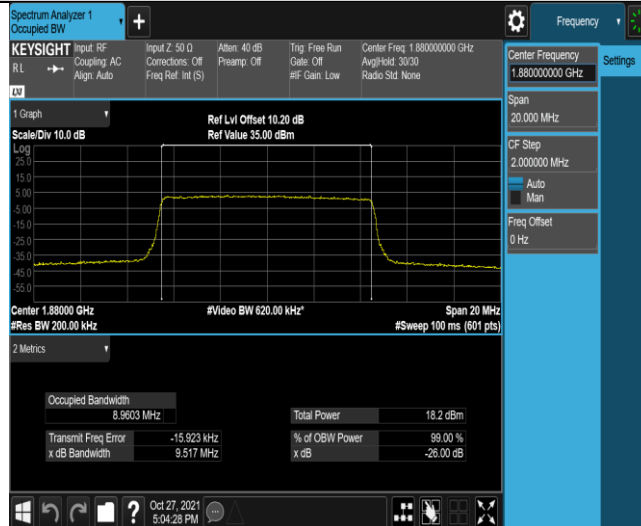
Band2-10MHz-QPSK-19150-50RB#0



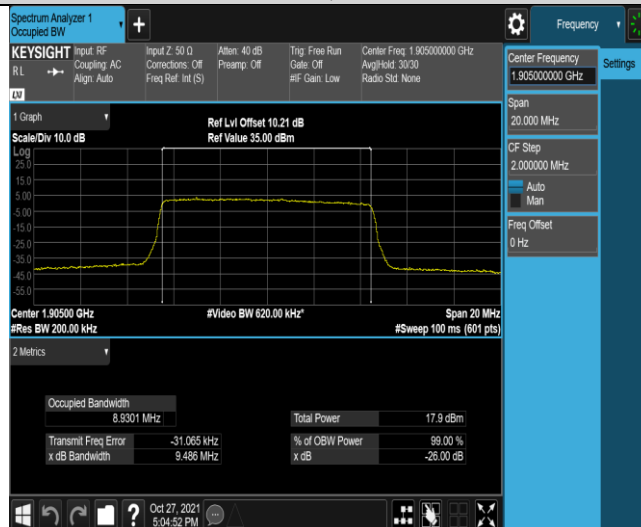
Band2-10MHz-16QAM-18650-50RB#0



Band2-10MHz-16QAM-18900-50RB#0



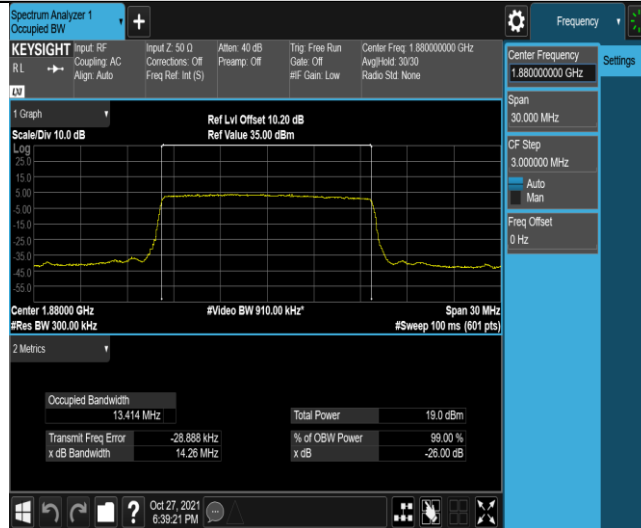
Band2-10MHz-16QAM-19150-50RB#0



Band2-15MHz-QPSK-18675-75RB#0



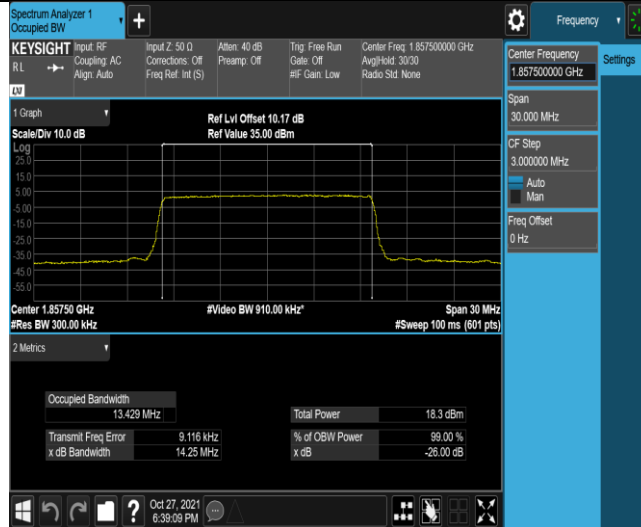
Band2-15MHz-QPSK-18900-75RB#0



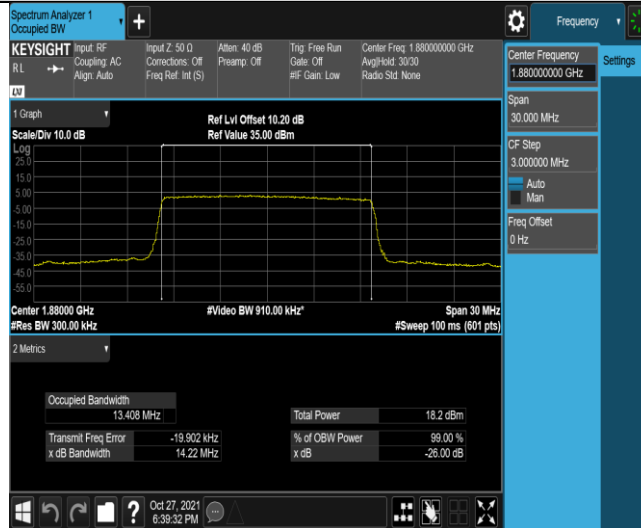
Band2-15MHz-QPSK-19125-75RB#0



Band2-15MHz-16QAM-18675-75RB#0



Band2-15MHz-16QAM-18900-75RB#0



Band2-15MHz-16QAM-19125-75RB#0

