

## 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	22.50	22.1	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.57	22.17	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.52	22.12	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	22.62	22.22	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.63	22.23	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	22.62	22.22	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.59	21.19	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.49	23.09	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.48	23.08	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.50	23.1	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.61	23.21	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.61	23.21	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.56	23.16	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.60	22.2	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.02	22.62	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.07	22.67	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.05	22.65	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.07	22.67	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.13	22.73	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.13	22.73	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.04	21.64	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.32	21.92	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.36	21.96	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.31	21.91	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	21.12	20.72	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	21.19	20.79	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.17	20.77	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.67	20.27	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.78	22.38	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.76	22.36	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	23.08	22.68	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.67	22.27	33	PASS

Band2	1.4MHz	16QAM	18900	3RB#1	22.67	22.27	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.66	22.26	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.55	21.15	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.13	21.73	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.14	21.74	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.13	21.73	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.01	21.61	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.97	21.57	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.98	21.58	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.20	20.8	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.63	22.23	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.67	22.27	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.63	22.23	33	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.59	21.19	33	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.66	21.26	33	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.58	21.18	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.61	21.21	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.45	23.05	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.45	23.05	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.48	23.08	33	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.56	22.16	33	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.50	22.1	33	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.59	22.19	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.54	22.14	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.95	22.55	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.05	22.65	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.99	22.59	33	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.06	21.66	33	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.06	21.66	33	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.03	21.63	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.96	21.56	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.04	20.64	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.03	20.63	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.00	20.6	33	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.82	20.42	33	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.84	20.44	33	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.88	20.48	33	PASS

Band2	3MHz	16QAM	18615	15RB#0	20.55	20.15	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	23.18	22.78	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	23.04	22.64	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	23.10	22.7	33	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.72	21.32	33	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.73	21.33	33	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.75	21.35	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.64	21.24	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.09	21.69	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.08	21.68	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.10	21.7	33	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.41	21.01	33	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.41	21.01	33	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.28	20.88	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.01	20.61	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.62	22.22	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.68	22.28	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.80	22.4	33	PASS
Band2	5MHz	QPSK	18625	12RB#13	21.57	21.17	33	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.66	21.26	33	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.67	21.27	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.56	21.16	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.62	23.22	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.62	23.22	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.59	23.19	33	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.51	22.11	33	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.52	22.12	33	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.49	22.09	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.46	22.06	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.09	22.69	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.20	22.8	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.09	22.69	33	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.12	21.72	33	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.02	21.62	33	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.05	21.65	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.04	21.64	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.35	20.95	33	PASS

Band2	5MHz	16QAM	18625	1RB#0	21.41	21.01	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.36	20.96	33	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.66	20.26	33	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.65	20.25	33	PASS
Band2	5MHz	16QAM	18625	12RB#0	20.64	20.24	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.59	20.19	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.34	21.94	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.34	21.94	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.28	21.88	33	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.55	21.15	33	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.56	21.16	33	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.51	21.11	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.61	21.21	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.42	21.02	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.35	20.95	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.41	21.01	33	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.05	20.65	33	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.17	20.77	33	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.13	20.73	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.22	20.82	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.68	22.28	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.60	22.2	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.70	22.3	33	PASS
Band2	10MHz	QPSK	18650	25RB#0	21.65	21.25	33	PASS
Band2	10MHz	QPSK	18650	25RB#25	21.67	21.27	33	PASS
Band2	10MHz	QPSK	18650	25RB#12	21.66	21.26	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.60	21.2	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.48	23.08	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.56	23.16	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.58	23.18	33	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.44	22.04	33	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.44	22.04	33	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.46	22.06	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.45	22.05	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.10	22.7	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.15	22.75	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.00	22.6	33	PASS

Band2	10MHz	QPSK	19150	25RB#25	22.03	21.63	33	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.14	21.74	33	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.13	21.73	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.15	21.75	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	20.99	20.59	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.02	20.62	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	20.99	20.59	33	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.89	20.49	33	PASS
Band2	10MHz	16QAM	18650	25RB#25	20.80	20.4	33	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.87	20.47	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.71	20.31	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.33	21.93	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.41	22.01	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.29	21.89	33	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.69	21.29	33	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.57	21.17	33	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.58	21.18	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.63	21.23	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.97	21.57	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.76	21.36	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.75	21.35	33	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.17	20.77	33	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.17	20.77	33	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.08	20.68	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.22	20.82	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.19	21.79	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.16	21.76	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.37	21.97	33	PASS
Band2	15MHz	QPSK	18675	38RB#37	21.52	21.12	33	PASS
Band2	15MHz	QPSK	18675	38RB#0	21.27	20.87	33	PASS
Band2	15MHz	QPSK	18675	38RB#18	21.33	20.93	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.50	21.1	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.27	22.87	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.29	22.89	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.15	22.75	33	PASS
Band2	15MHz	QPSK	18900	38RB#37	22.52	22.12	33	PASS
Band2	15MHz	QPSK	18900	38RB#18	22.56	22.16	33	PASS

Band2	15MHz	QPSK	18900	38RB#0	22.42	22.02	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.47	22.07	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.99	22.59	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.07	22.67	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.30	22.9	33	PASS
Band2	15MHz	QPSK	19125	38RB#0	22.00	21.6	33	PASS
Band2	15MHz	QPSK	19125	38RB#37	21.68	21.28	33	PASS
Band2	15MHz	QPSK	19125	38RB#18	21.89	21.49	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.15	21.75	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.28	20.88	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.34	20.94	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.55	21.15	33	PASS
Band2	15MHz	16QAM	18675	38RB#18	21.34	20.94	33	PASS
Band2	15MHz	16QAM	18675	38RB#37	21.52	21.12	33	PASS
Band2	15MHz	16QAM	18675	38RB#0	21.28	20.88	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.75	20.35	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.56	22.16	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.39	21.99	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.57	22.17	33	PASS
Band2	15MHz	16QAM	18900	38RB#18	22.63	22.23	33	PASS
Band2	15MHz	16QAM	18900	38RB#0	22.42	22.02	33	PASS
Band2	15MHz	16QAM	18900	38RB#37	22.53	22.13	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.57	21.17	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.98	21.58	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.68	21.28	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.84	21.44	33	PASS
Band2	15MHz	16QAM	19125	38RB#0	21.98	21.58	33	PASS
Band2	15MHz	16QAM	19125	38RB#18	21.89	21.49	33	PASS
Band2	15MHz	16QAM	19125	38RB#37	21.69	21.29	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.19	20.79	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.07	22.67	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.64	22.24	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.58	22.18	33	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.69	21.29	33	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.69	21.29	33	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.78	21.38	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.68	21.28	33	PASS

Band2	20MHz	QPSK	18900	1RB#0	23.27	22.87	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.60	23.2	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.52	23.12	33	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.38	21.98	33	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.40	22	33	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.42	22.02	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.35	21.95	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.15	22.75	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.30	22.9	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.97	22.57	33	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.17	21.77	33	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.38	21.98	33	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.36	21.96	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.29	21.89	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.02	21.62	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.06	21.66	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.44	22.04	33	PASS
Band2	20MHz	16QAM	18700	50RB#25	20.77	20.37	33	PASS
Band2	20MHz	16QAM	18700	50RB#0	20.79	20.39	33	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.01	20.61	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.91	20.51	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.47	22.07	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.11	21.71	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.46	22.06	33	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.72	21.32	33	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.57	21.17	33	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.55	21.15	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.58	21.18	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.83	21.43	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.04	21.64	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.70	21.3	33	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.56	21.16	33	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.29	20.89	33	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.56	21.16	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.32	20.92	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 -0.4dBi.

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	4.38	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	5.28	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	4.75	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.39	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	5.07	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.39	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	4.61	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.97	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	5.36	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.17	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	5.36	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	6.12	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	4.35	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.19	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	4.70	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.10	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.70	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.16	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	5.68	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.09	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	5.25	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.09	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.62	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.09	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	4.35	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.22	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	4.75	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.16	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	5.30	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.16	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	5.19	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.03	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	5.45	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.06	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	5.83	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.00	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	4.38	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.36	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	4.58	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.22	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	5.10	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.22	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	5.77	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.26	13	PASS

## Total Quality. Assured.

Band2	10MHz	16QAM	18900	1RB#0	5.65	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.06	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	6.03	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.12	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	8.46	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.16	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.67	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	4.96	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	5.10	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	4.99	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	5.65	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.06	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	5.54	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	5.91	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	6.29	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	5.97	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	4.61	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	4.26	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	4.70	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.20	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	5.04	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.17	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	5.36	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.88	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.80	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.83	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	5.88	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.83	13	PASS

## Appendix C: Modulation Characteristics

### Test Plots

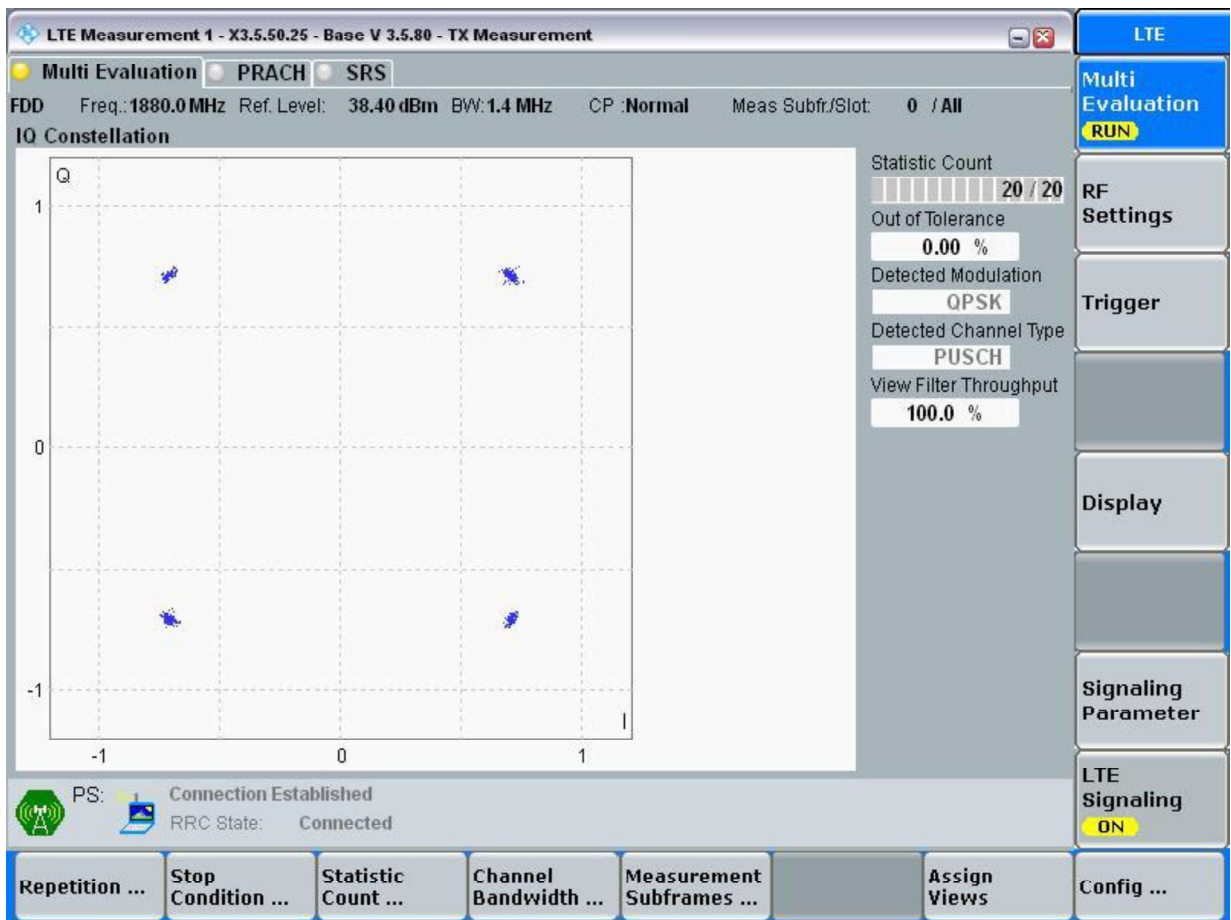
Test Band = BAND2

Test Mode = LTE/TM1

Test Bandwidth = 1.4MHz

Test Channel = MCH

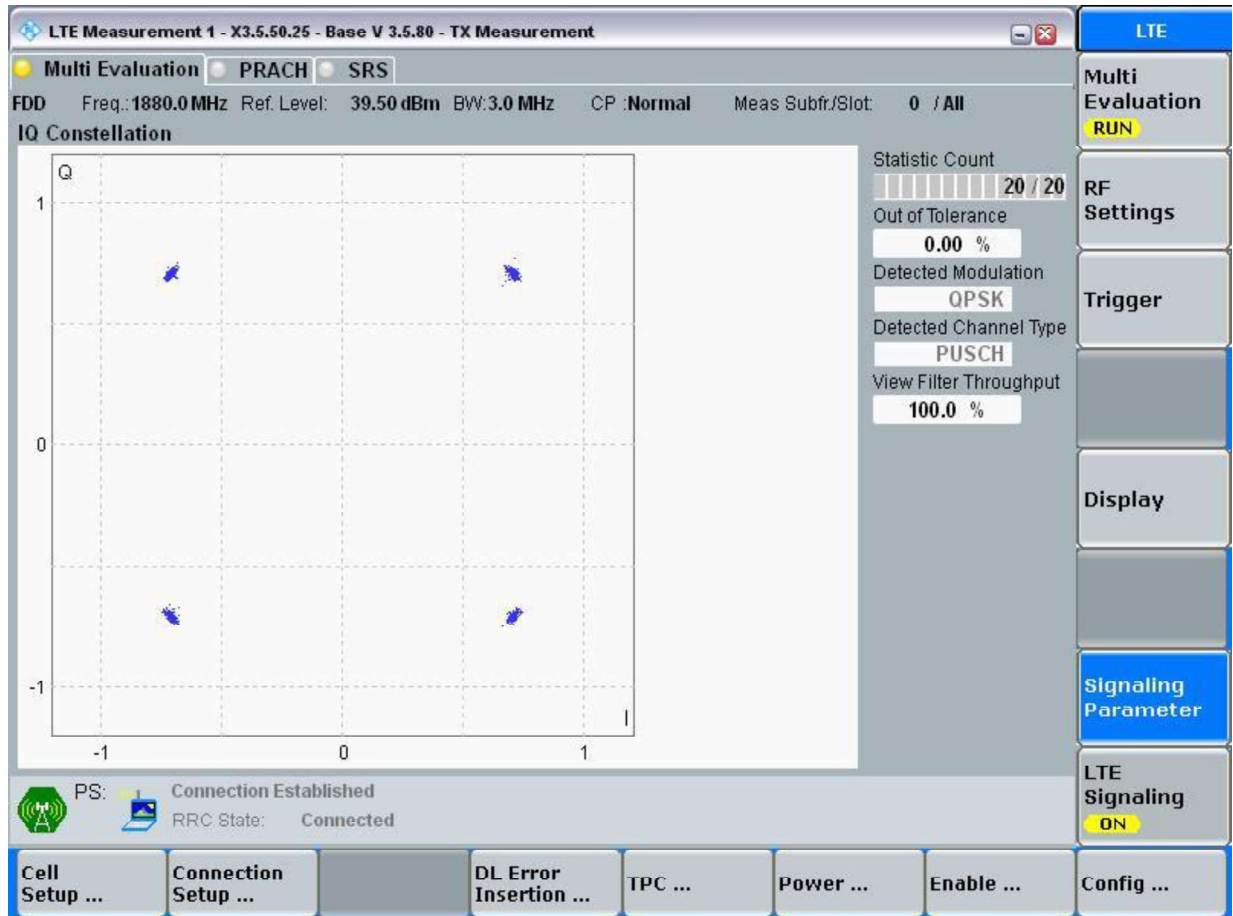
Test RB = RB6#0



Test Bandwidth = 3 MHz

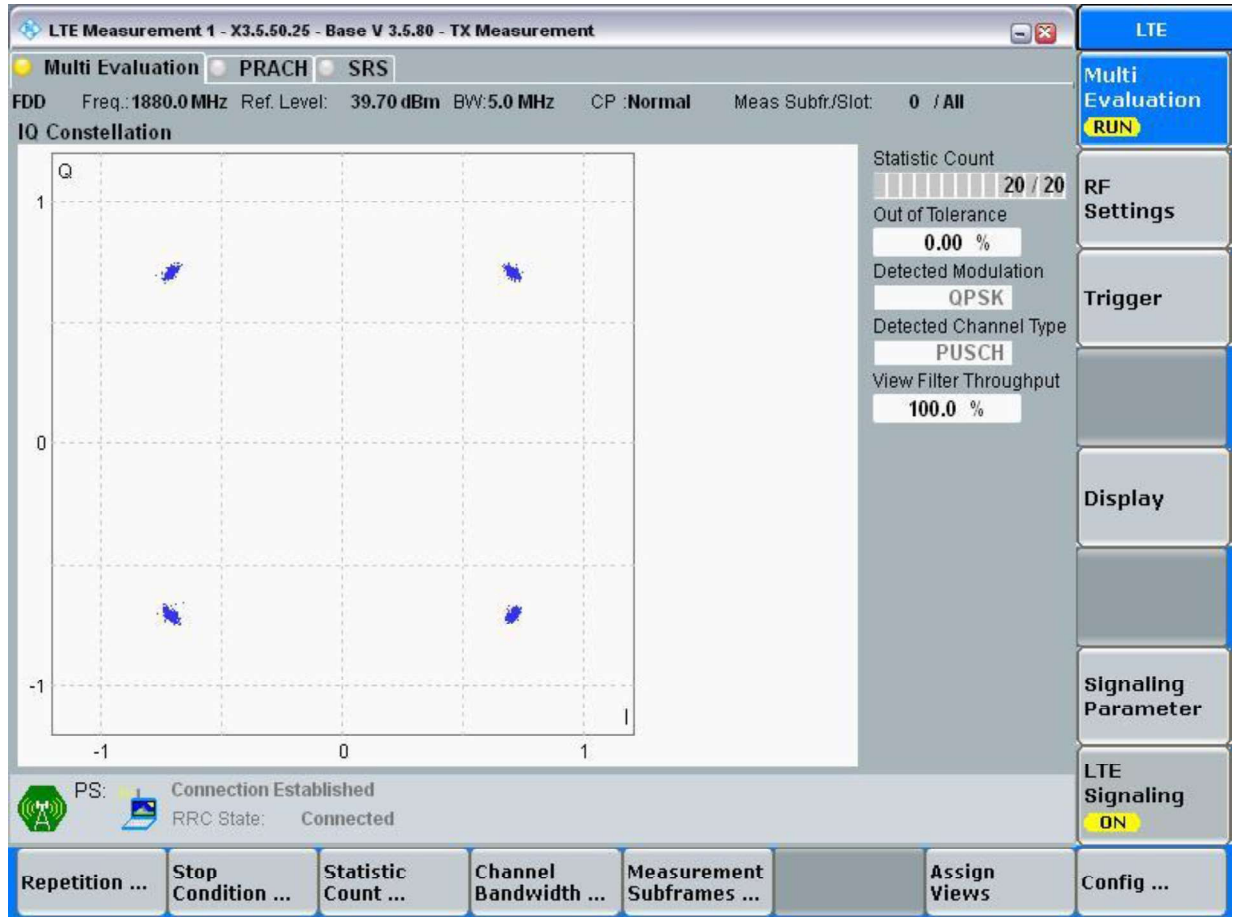
Test Channel = MCH

Test RB = RB15#0



Test Channel = MCH

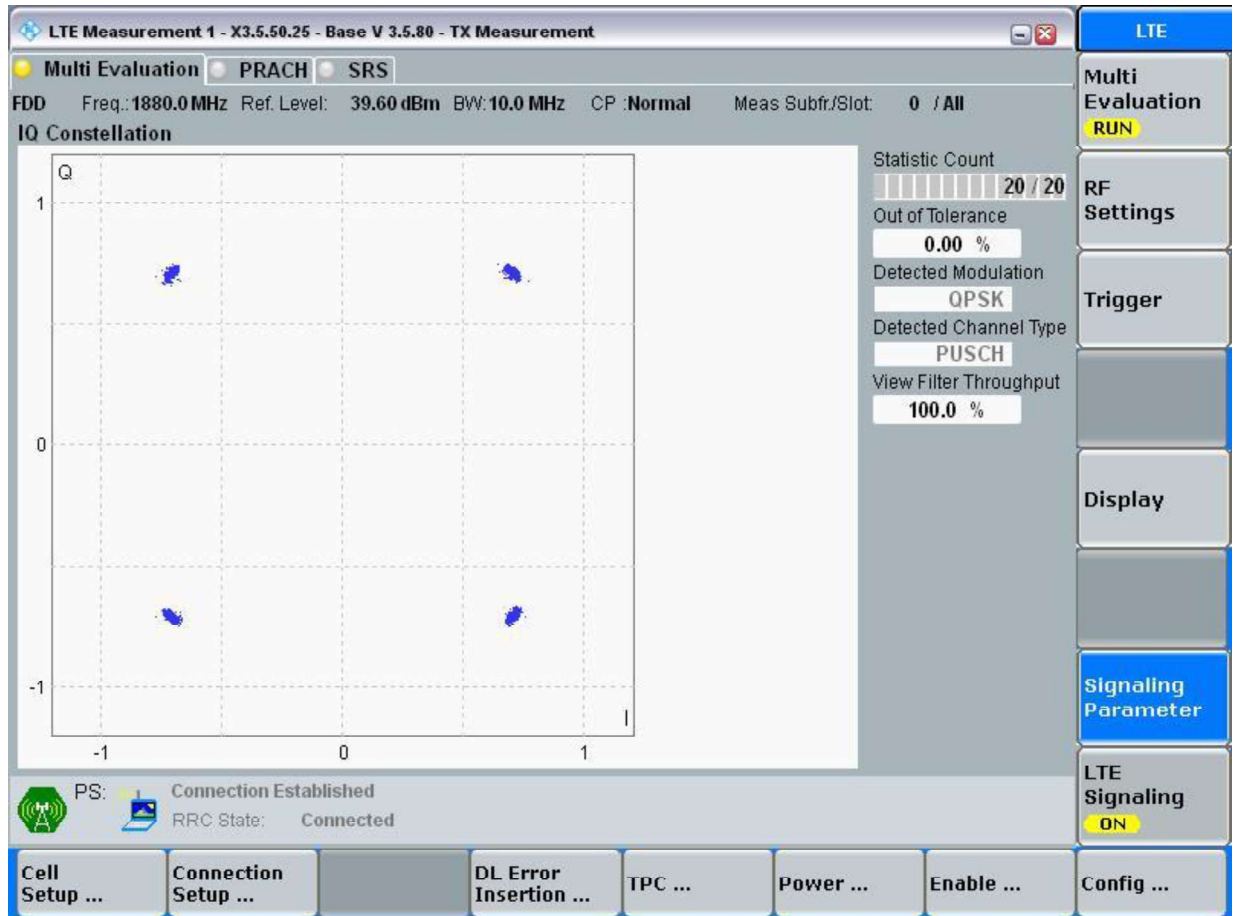
Test RB = RB25#0



Test Bandwidth = 10MHz

Test Channel = MCH

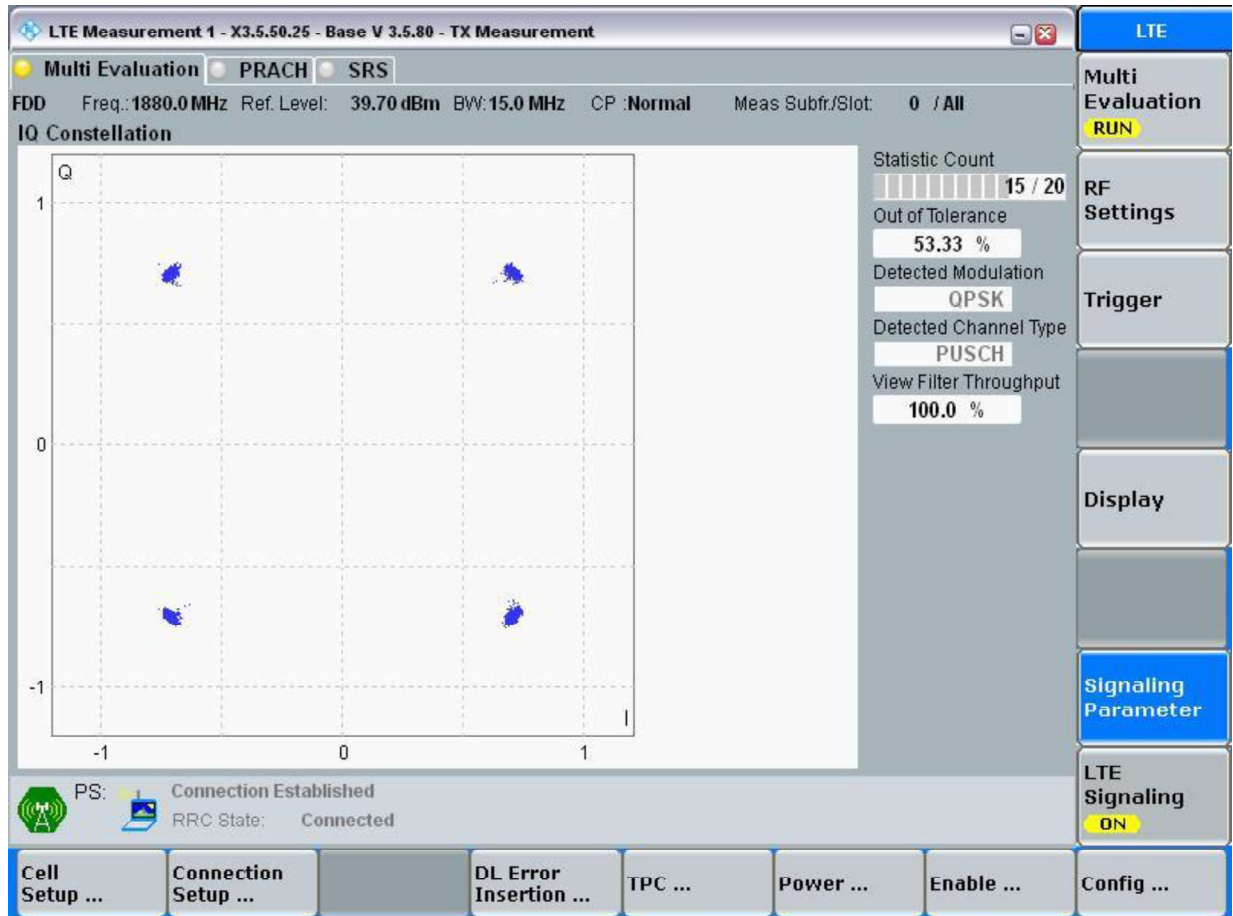
Test RB = RB50#0



Test Bandwidth = 15MHz

Test Channel = MCH

Test RB = RB75#0

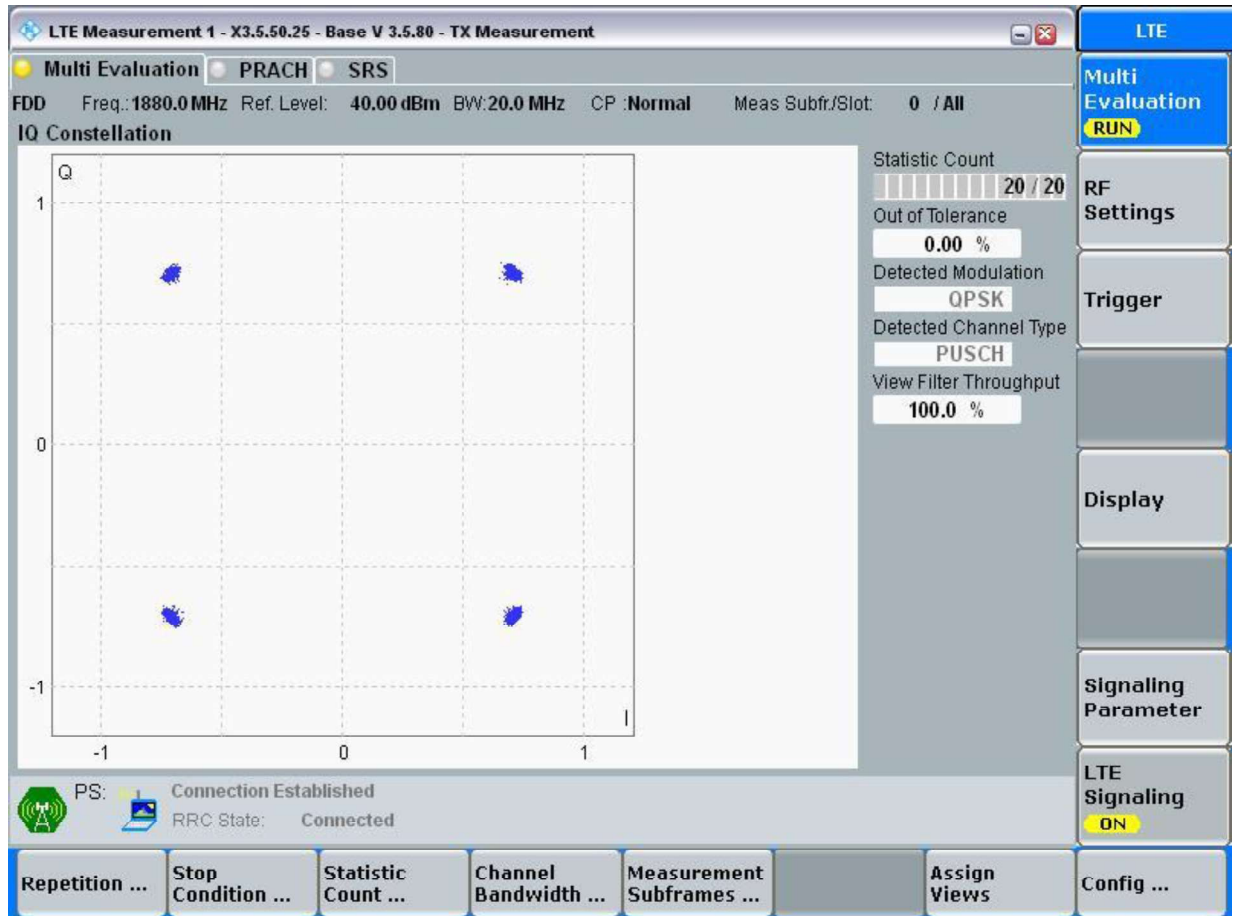




Test Bandwidth = 20MHz

Test Channel = MCH

Test RB = RB100#0

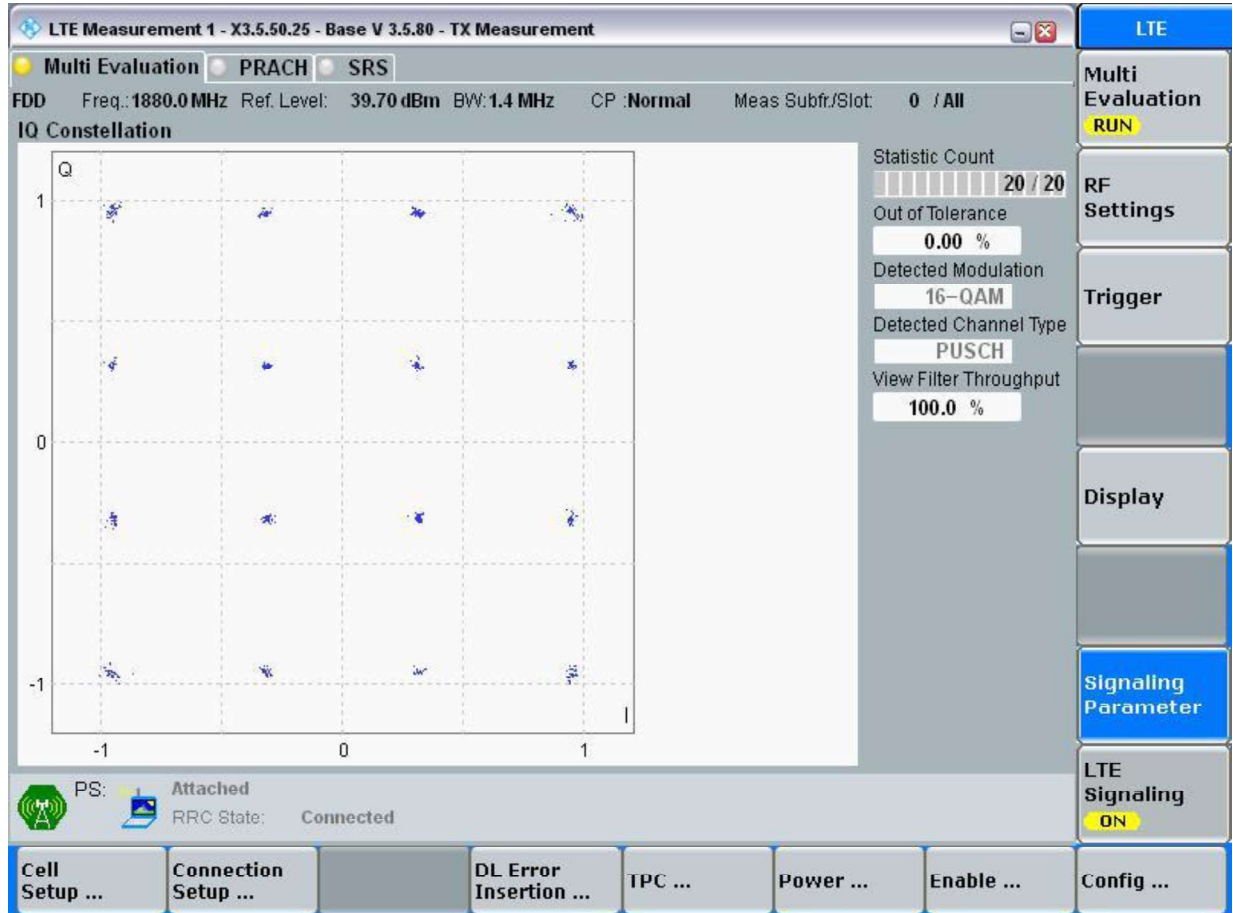


Test Mode = LTE/TM2

Bandwidth = 1.4MHz

Test Channel = MCH

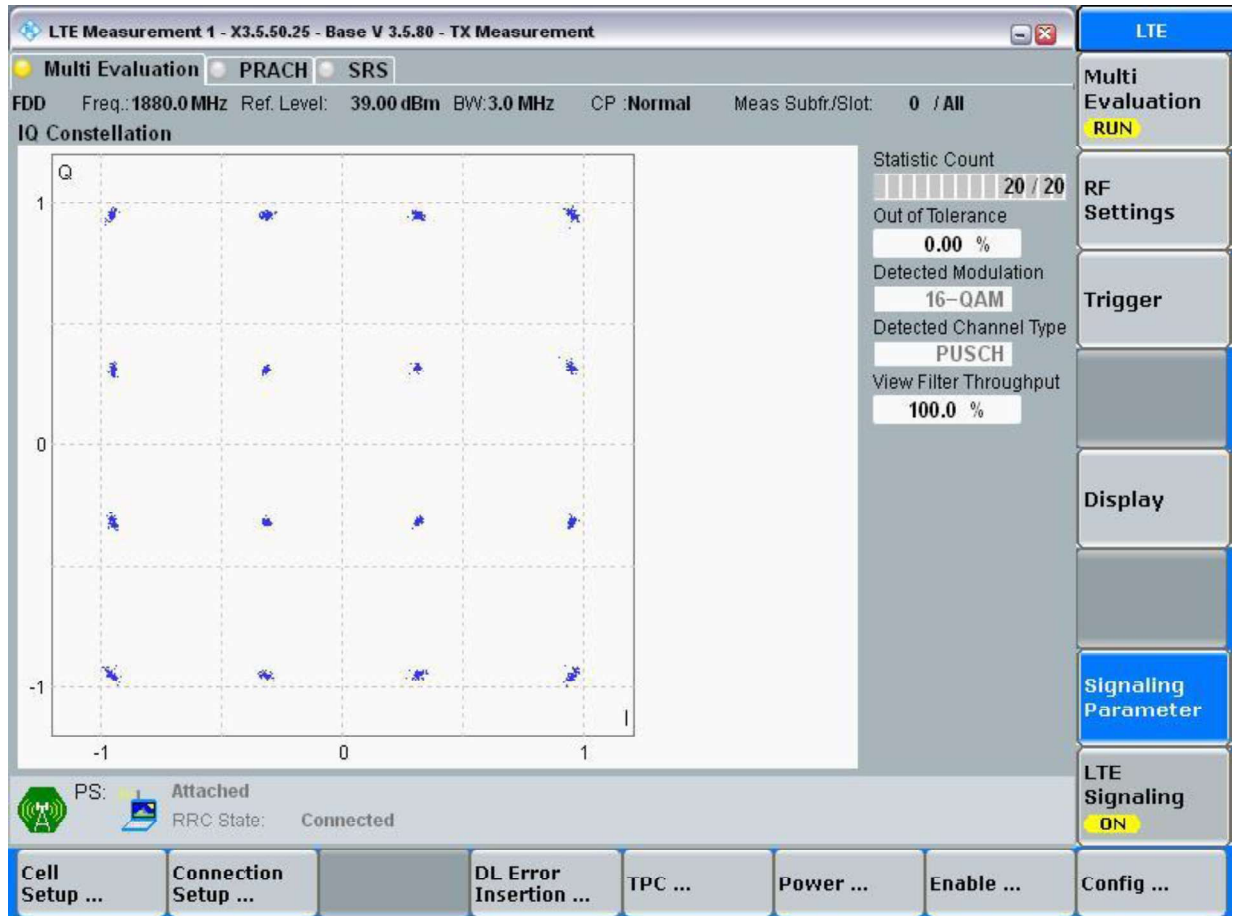
Test RB = RB6#0



Test Bandwidth = 3MHz

Test Channel = MCH

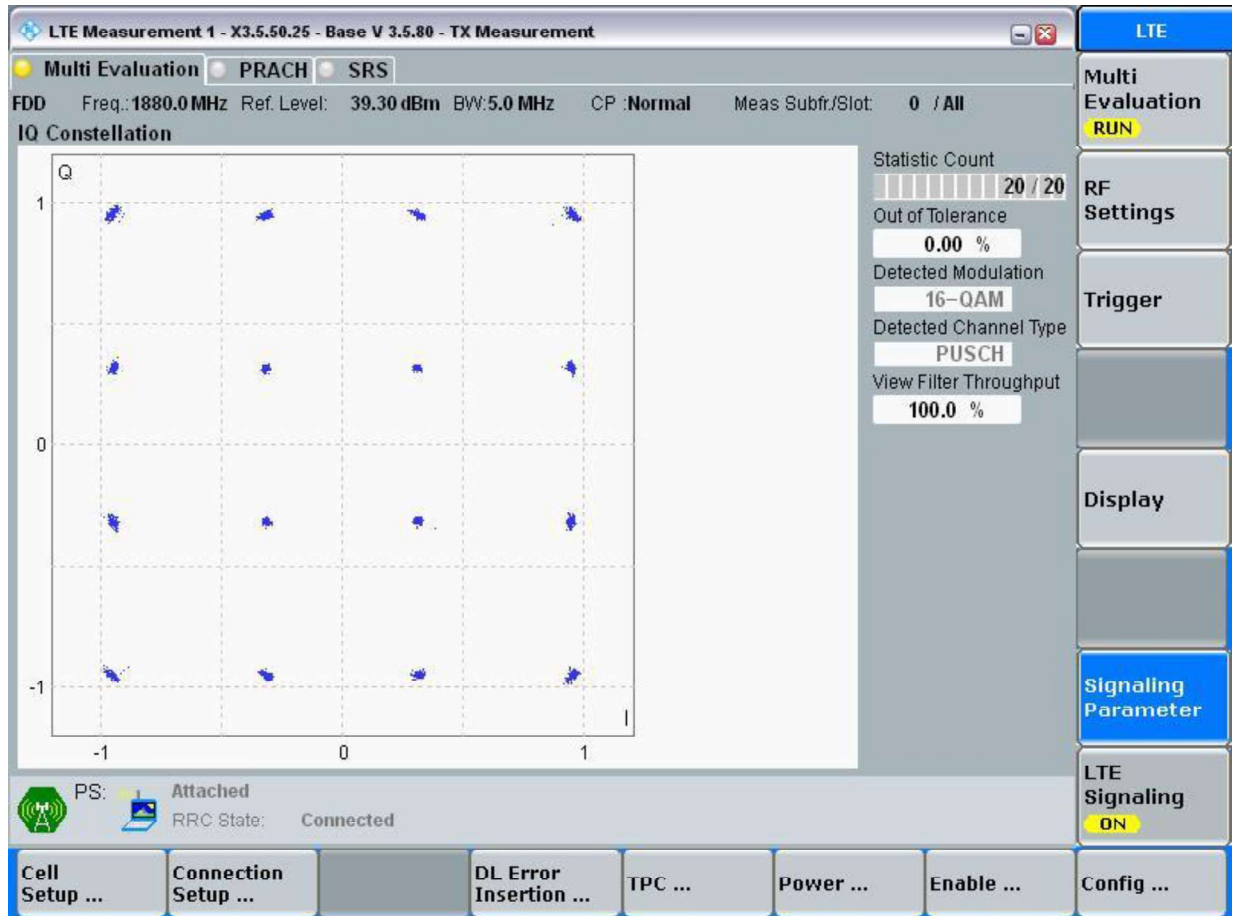
Test RB = RB15#0



Test Bandwidth = 5MHz

Test Channel = MCH

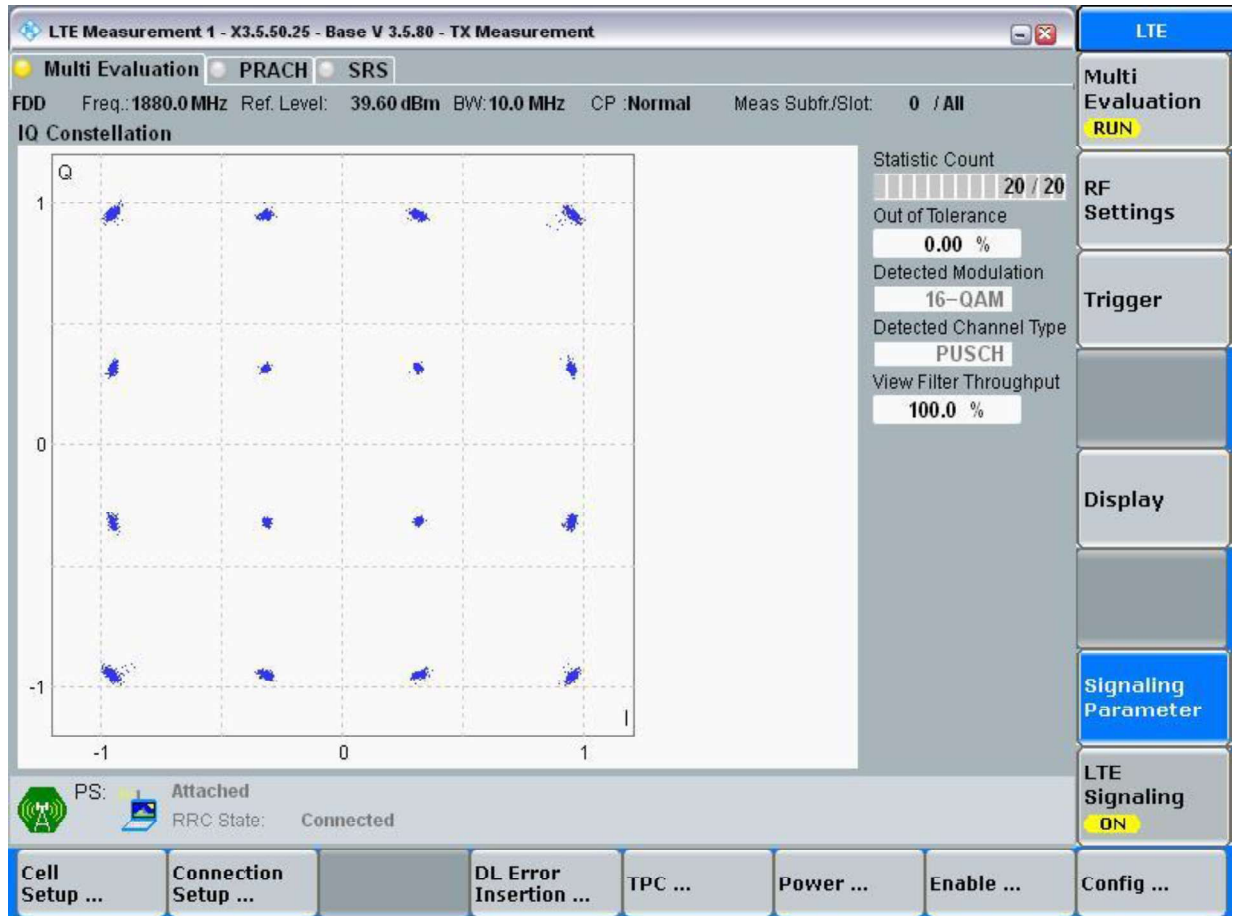
Test RB = RB25#0



Test Bandwidth = 10MHz

Test Channel = MCH

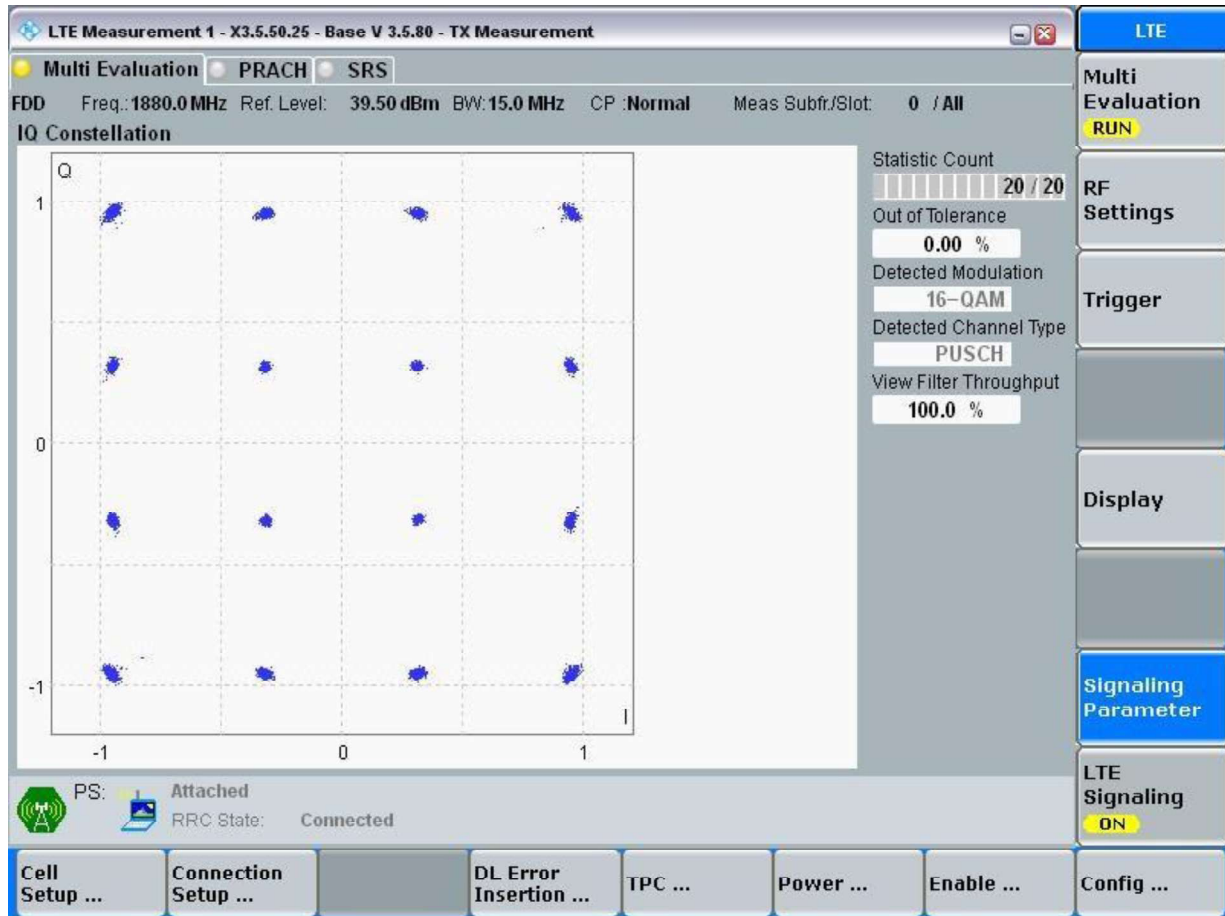
Test RB = RB50#0



Test Bandwidth = 15MHz

Test Channel = MCH

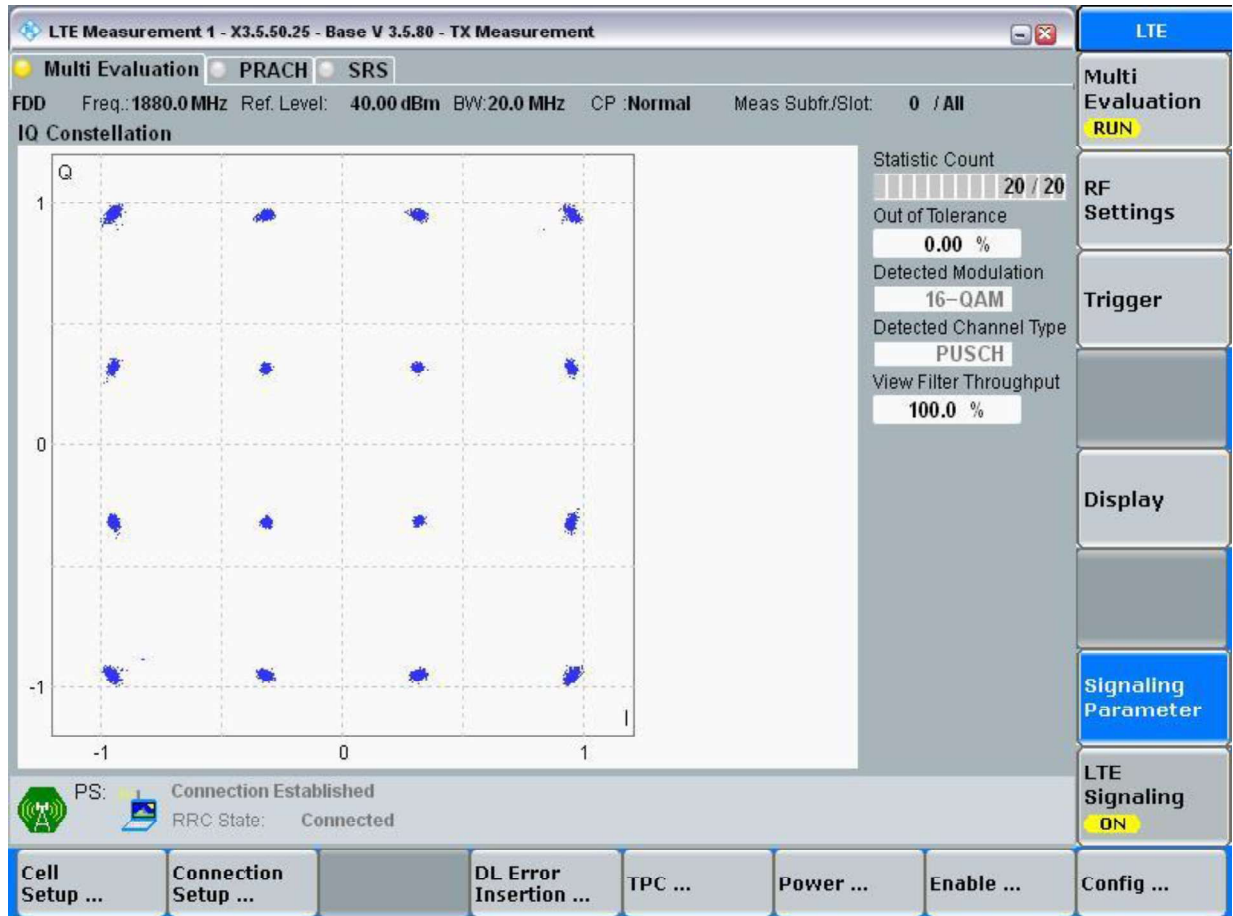
Test RB = RB75#0



Test Bandwidth = 20MHz

Test Channel = MCH

Test RB = RB100#0





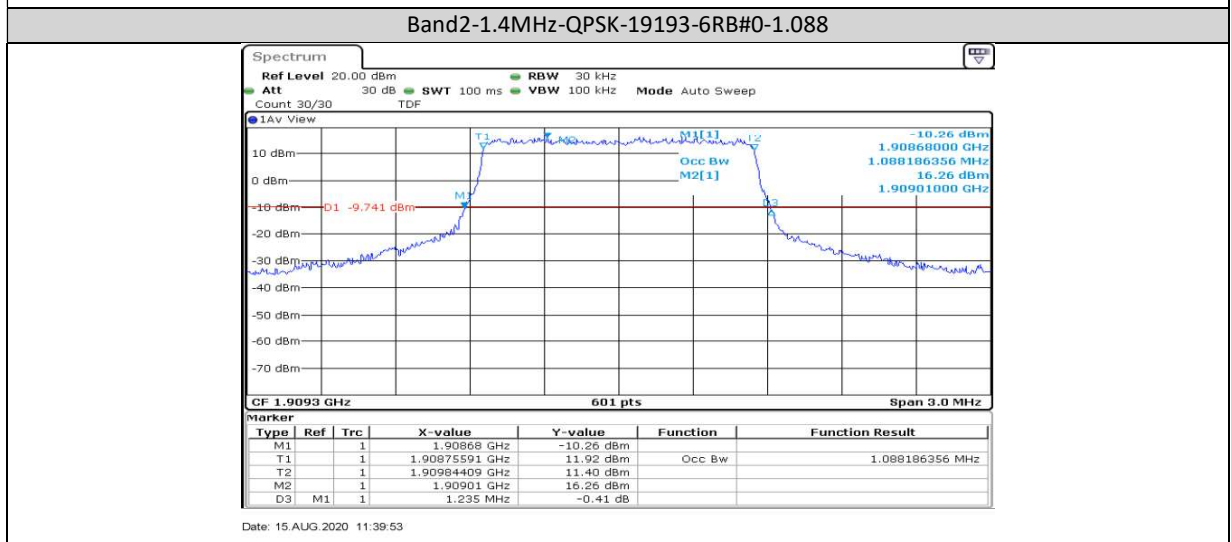
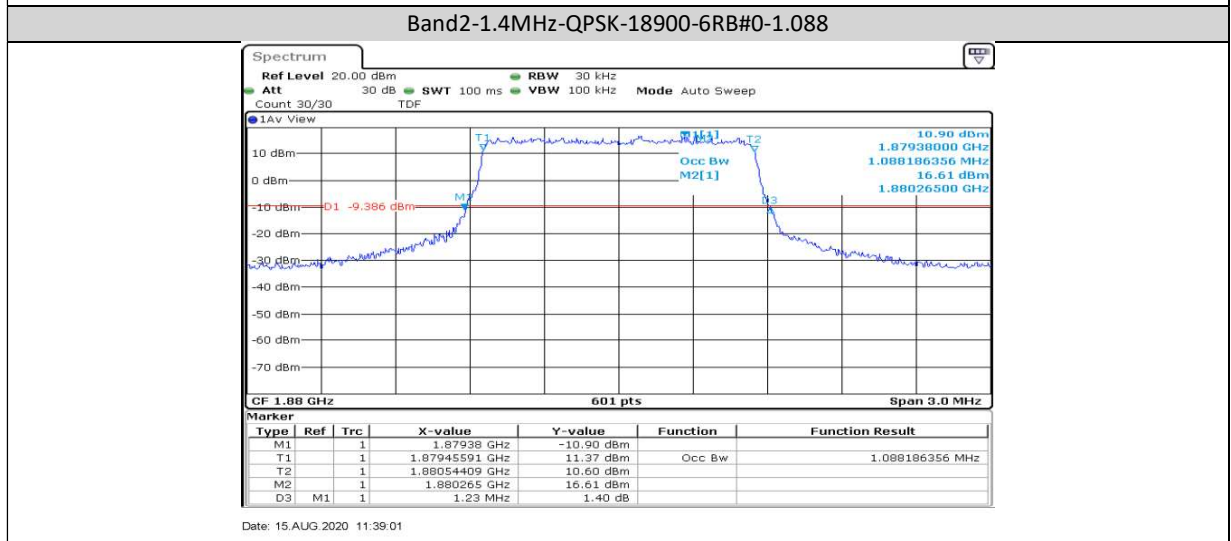
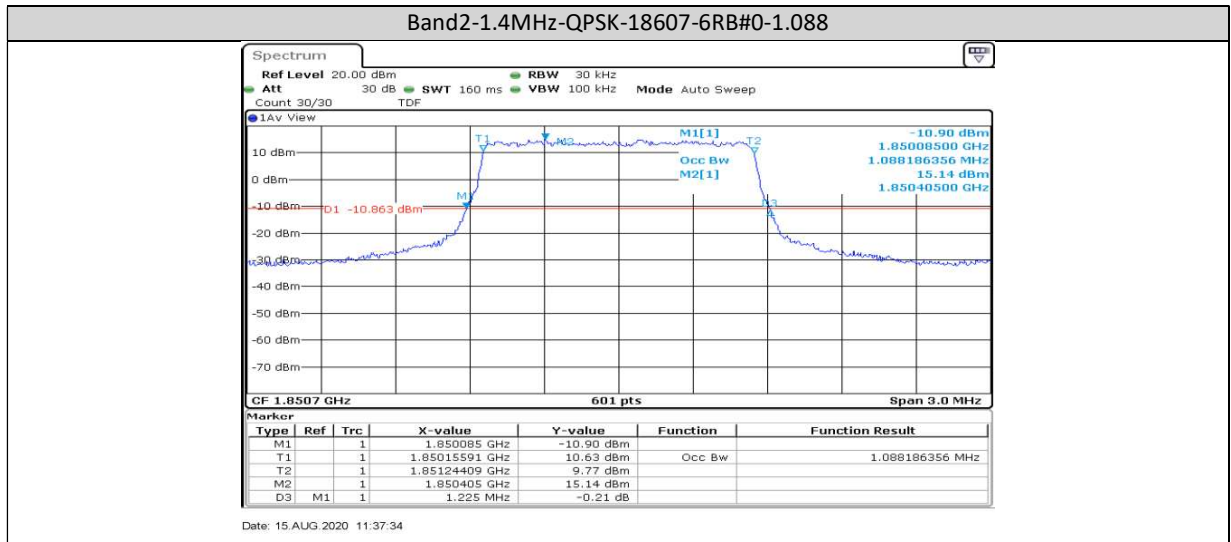
## Appendix D: Bandwidth

### Test Results

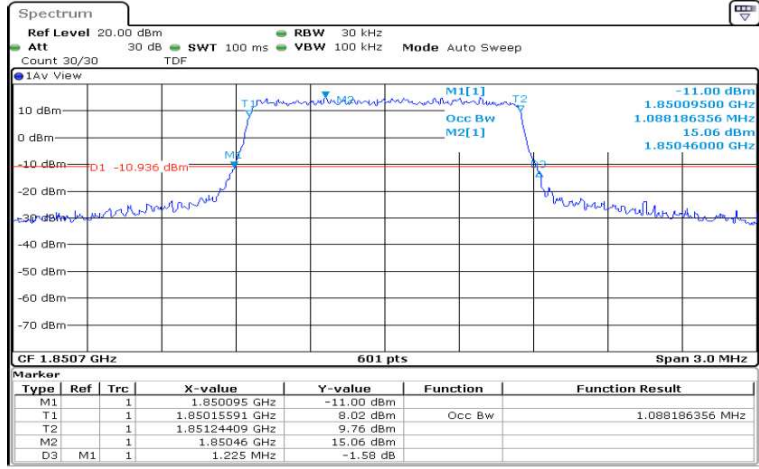
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.088	1.225	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.088	1.230	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.088	1.235	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.088	1.225	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.088	1.230	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.088	1.225	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.696	2.890	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.705	2.930	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.696	2.890	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.696	2.910	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.696	2.910	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.696	2.890	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.486	4.790	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.496	4.800	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.486	4.800	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.496	4.780	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.505	4.780	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.496	4.780	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.985	9.533	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.985	9.533	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.985	9.533	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.985	9.533	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.985	9.533	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.985	9.533	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.478	14.300	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.478	14.300	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.478	14.300	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.478	14.300	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.428	14.300	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.478	14.300	PASS
Band2	20MHz	QPSK	18700	100RB#0	18.037	19.267	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.037	19.333	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.037	19.333	PASS
Band2	20MHz	16QAM	18700	100RB#0	18.037	19.333	PASS
Band2	20MHz	16QAM	18900	100RB#0	18.103	19.333	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.97	19.333	PASS



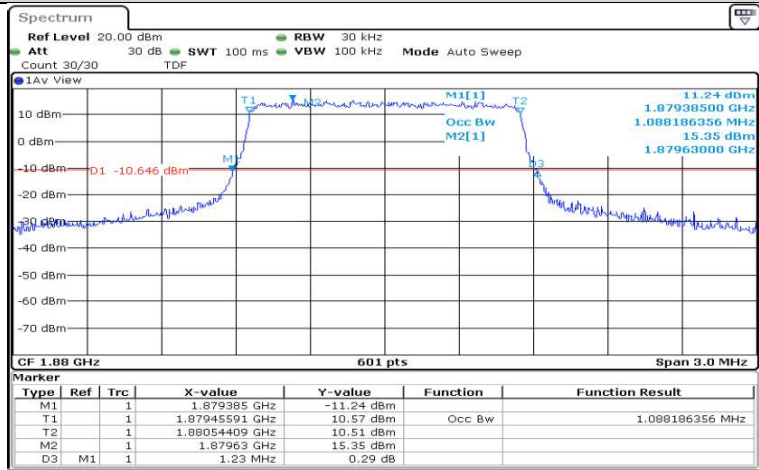
Test Plots



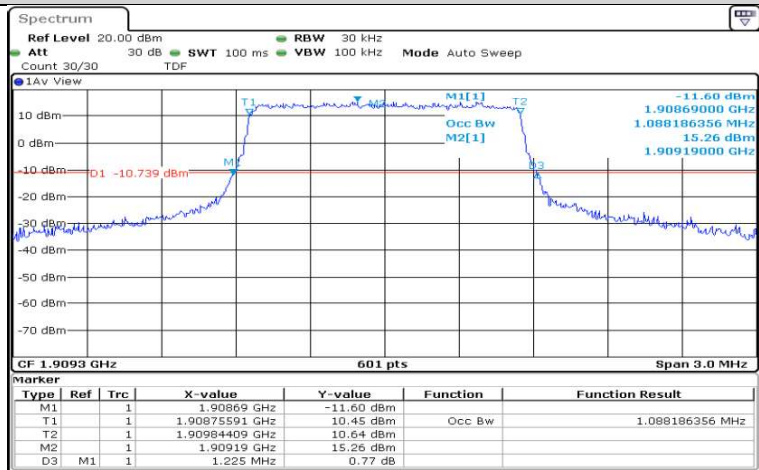
**Band2-1.4MHz-16QAM-18607-6RB#0-1.088**



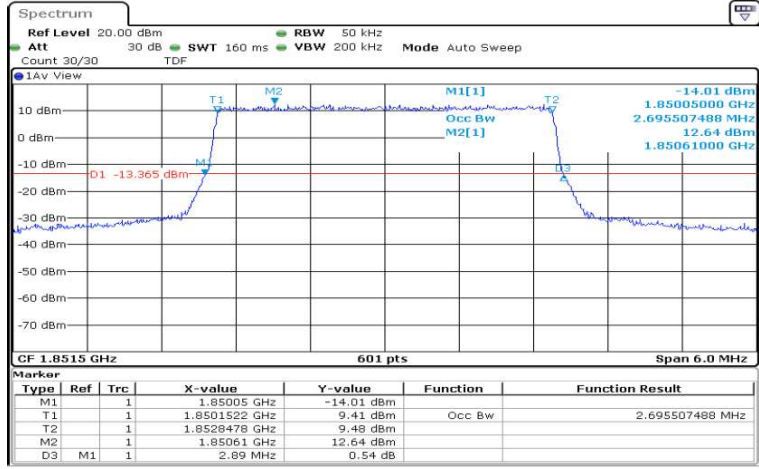
**Band2-1.4MHz-16QAM-18900-6RB#0-1.088**



**Band2-1.4MHz-16QAM-19193-6RB#0-1.088**

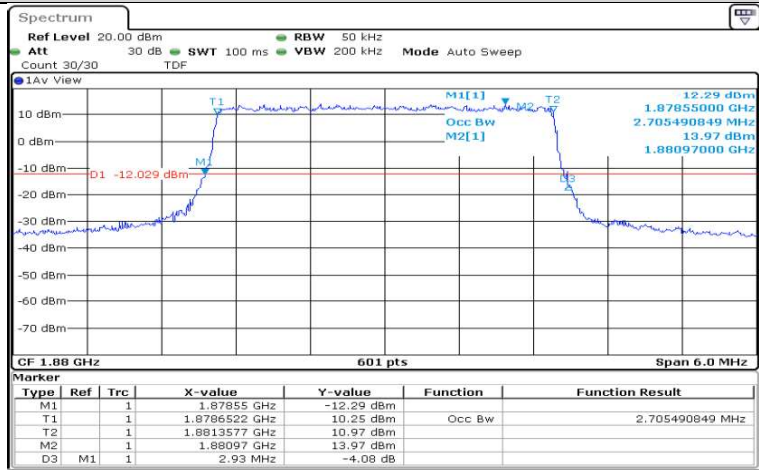


**Band2-3MHz-QPSK-18615-15RB#0-2.696**



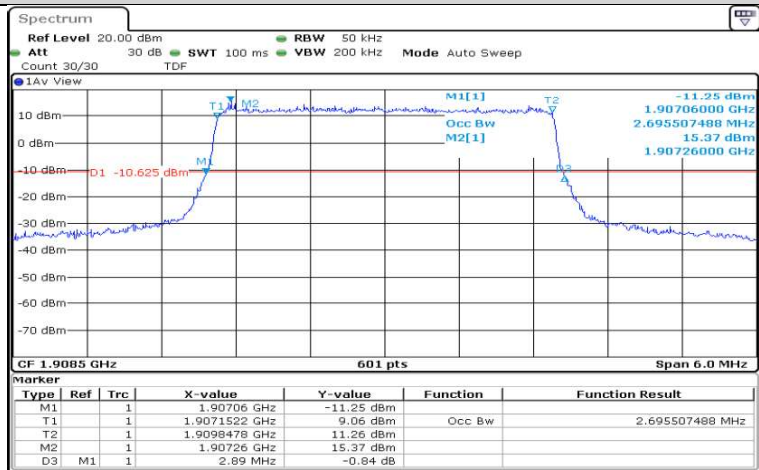
Date: 15.AUG.2020 12:11:14

**Band2-3MHz-QPSK-18900-15RB#0-2.705**



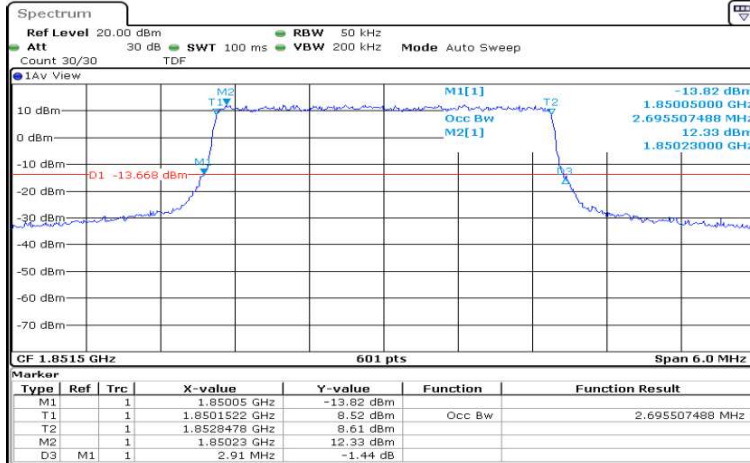
Date: 15.AUG.2020 12:11:35

**Band2-3MHz-QPSK-19185-15RB#0-2.696**



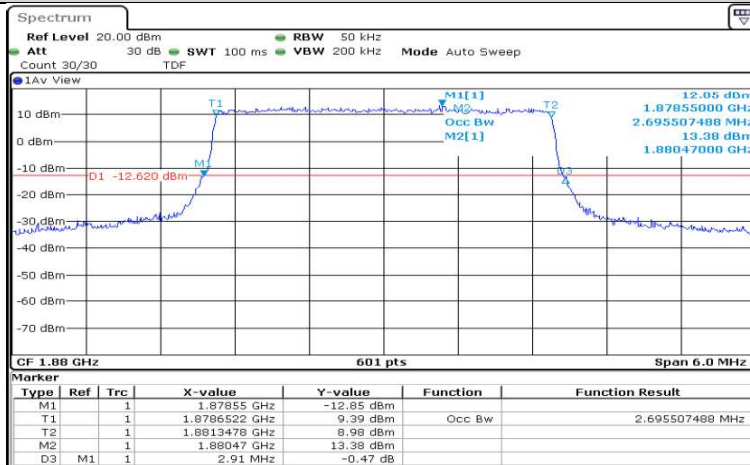
Date: 15.AUG.2020 12:11:57

### Band2-3MHz-16QAM-18615-15RB#0-2.696



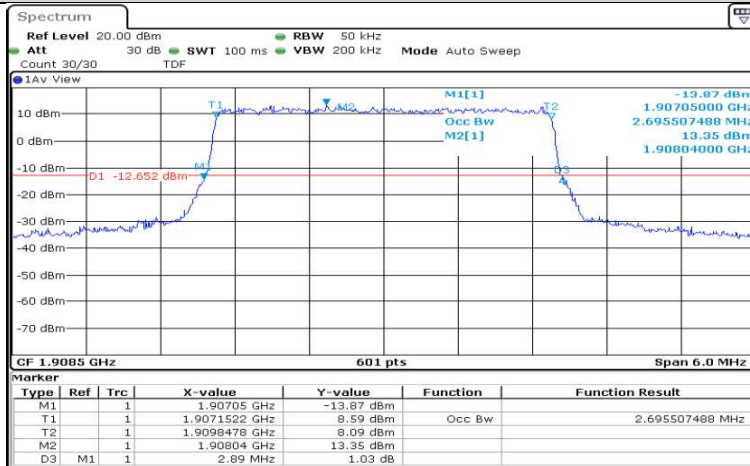
Date: 15.AUG.2020 12:11:23

### Band2-3MHz-16QAM-18900-15RB#0-2.696



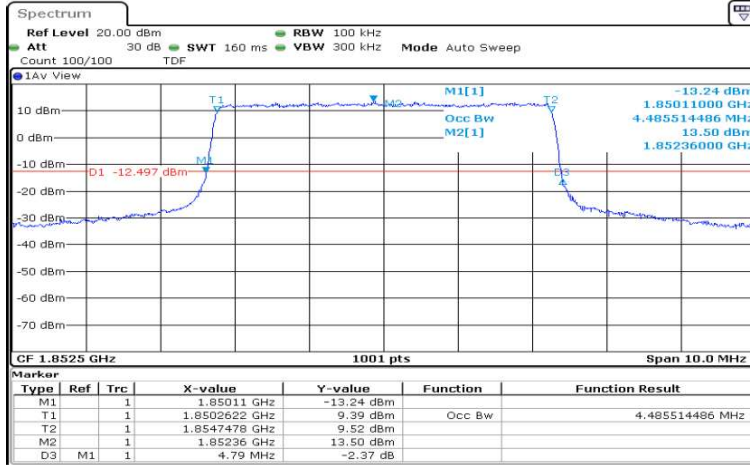
Date: 15.AUG.2020 12:11:45

### Band2-3MHz-16QAM-19185-15RB#0-2.696



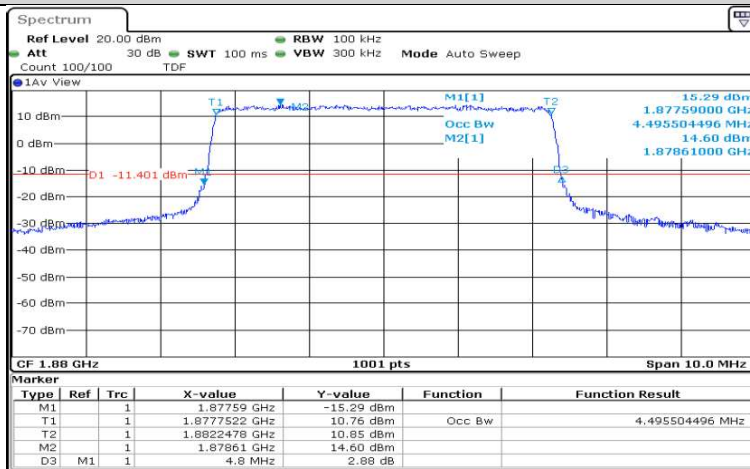
Date: 15.AUG.2020 12:12:06

Band2-5MHz-QPSK-18625-25RB#0-4.486



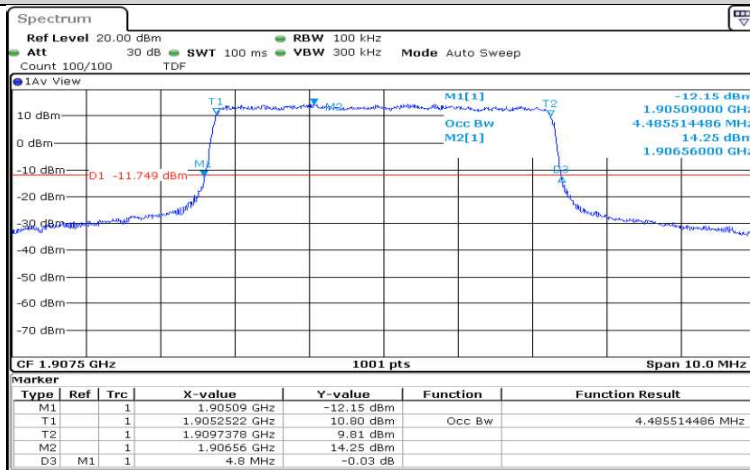
Date: 15.AUG.2020 12:41:12

Band2-5MHz-QPSK-18900-25RB#0-4.496



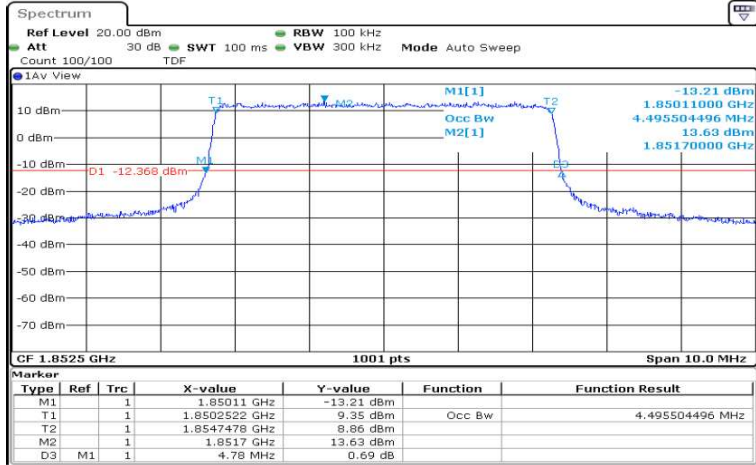
Date: 15.AUG.2020 12:41:48

Band2-5MHz-QPSK-19175-25RB#0-4.486



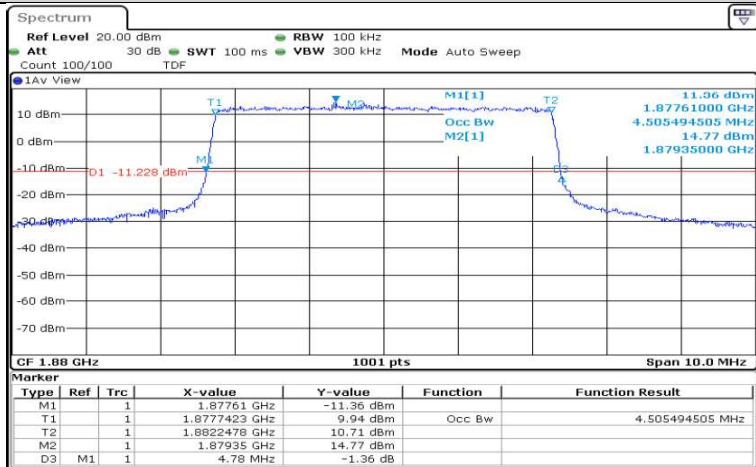
Date: 15.AUG.2020 12:42:23

**Band2-5MHz-16QAM-18625-25RB#0-4.496**



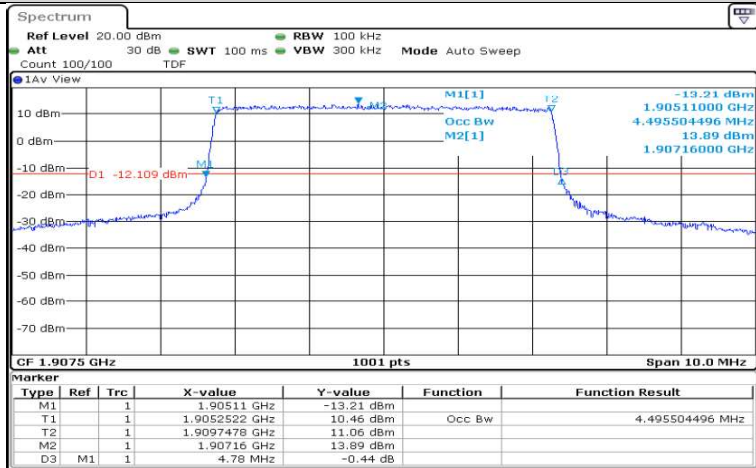
Date: 15.AUG.2020 12:41:29

**Band2-5MHz-16QAM-18900-25RB#0-4.505**



Date: 15.AUG.2020 12:42:05

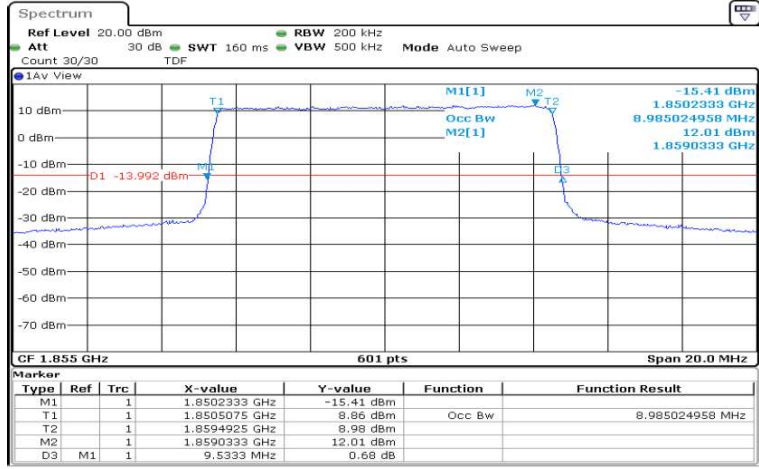
**Band2-5MHz-16QAM-19175-25RB#0-4.496**



Date: 15.AUG.2020 12:42:40

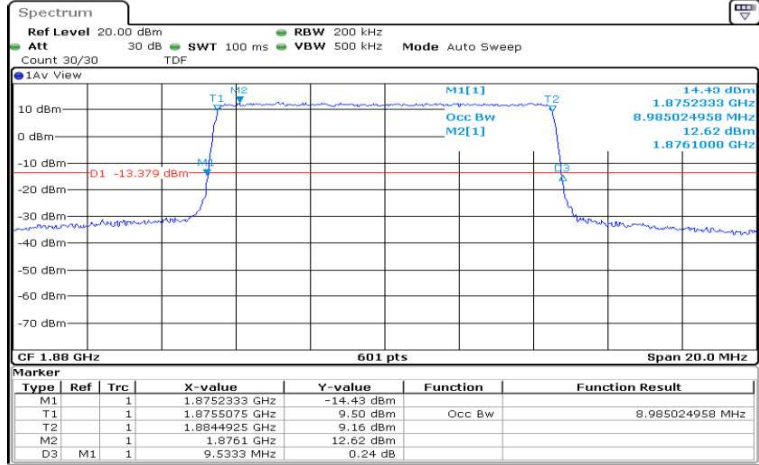


**Band2-10MHz-QPSK-18650-50RB#0-8.985**



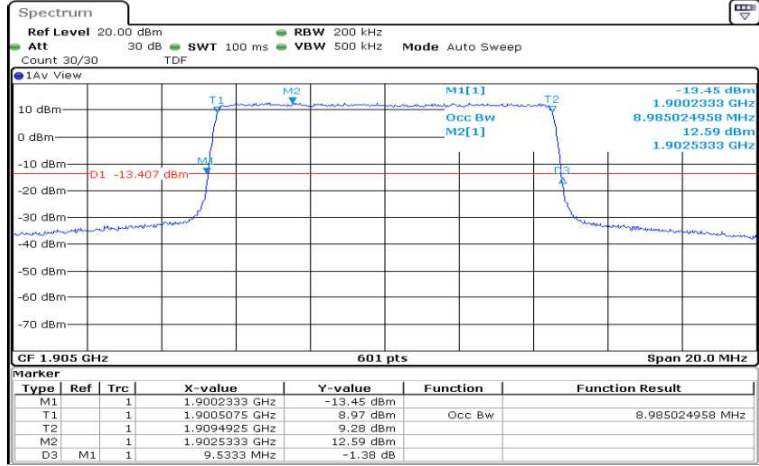
Date: 15.AUG.2020 13:03:08

**Band2-10MHz-QPSK-18900-50RB#0-8.985**



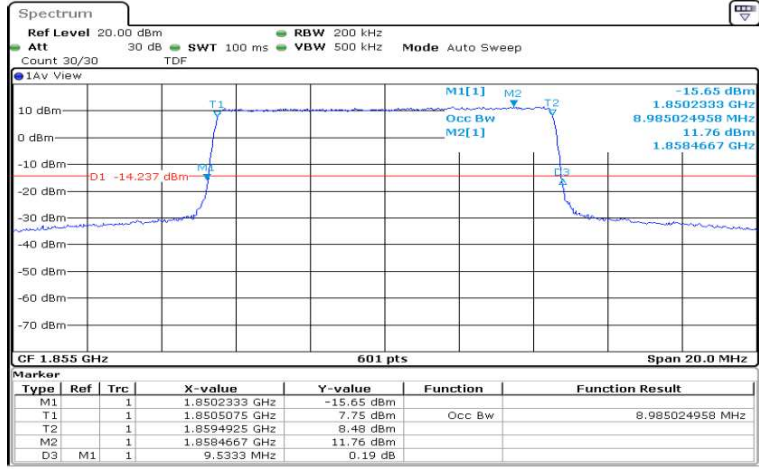
Date: 15.AUG.2020 13:03:29

**Band2-10MHz-QPSK-19150-50RB#0-8.985**



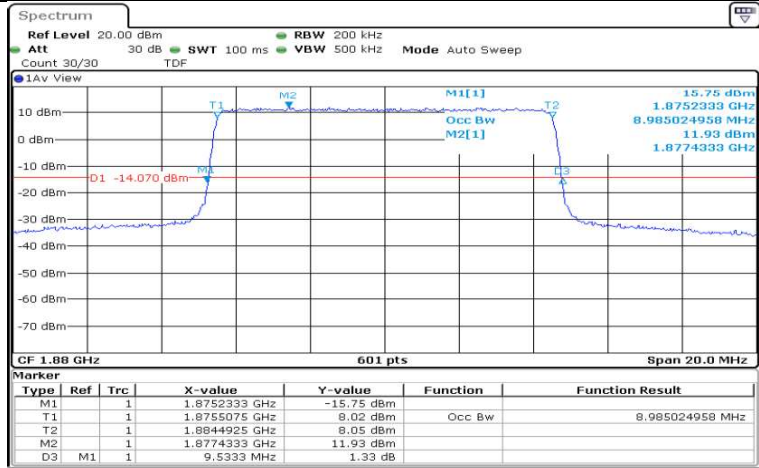
Date: 15.AUG.2020 13:03:51

**Band2-10MHz-16QAM-18650-50RB#0-8.985**



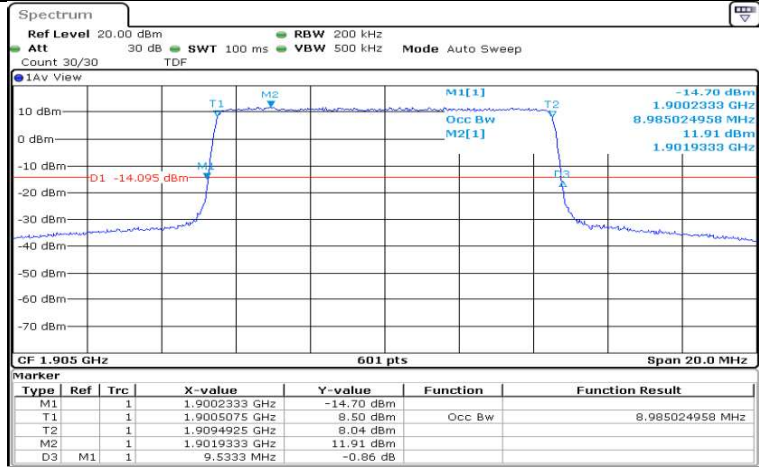
Date: 15.AUG.2020 13:03:17

**Band2-10MHz-16QAM-18900-50RB#0-8.985**



Date: 15.AUG.2020 13:03:39

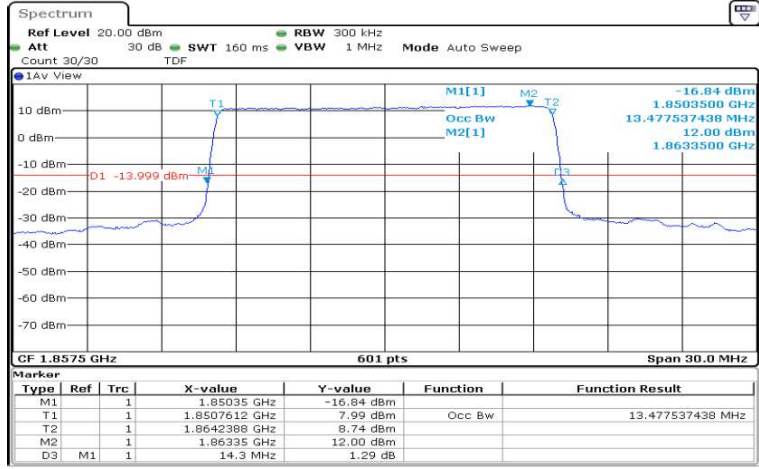
**Band2-10MHz-16QAM-19150-50RB#0-8.985**



Date: 15.AUG.2020 13:04:00

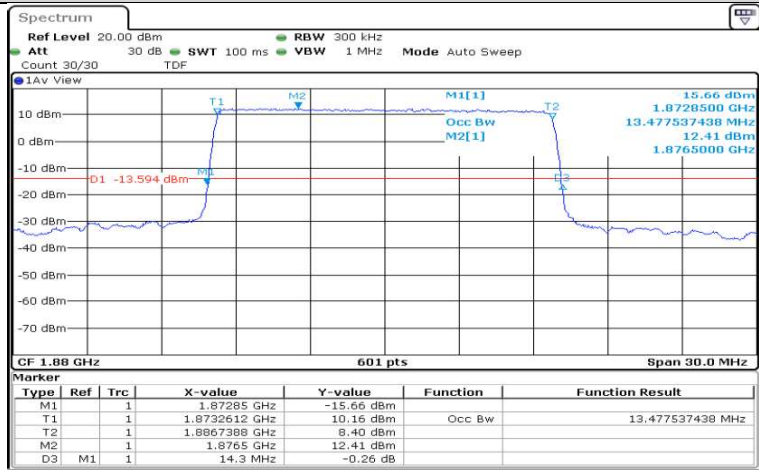


**Band2-15MHz-QPSK-18675-75RB#0-13.478**



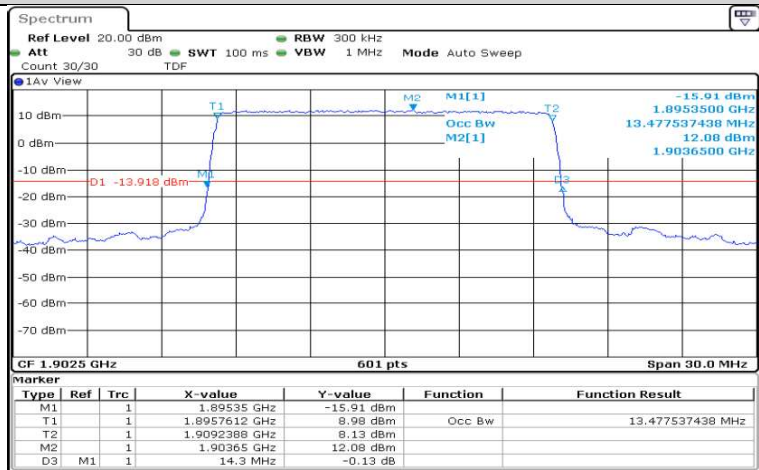
Date: 15.AUG.2020 13:25:53

**Band2-15MHz-QPSK-18900-75RB#0-13.478**



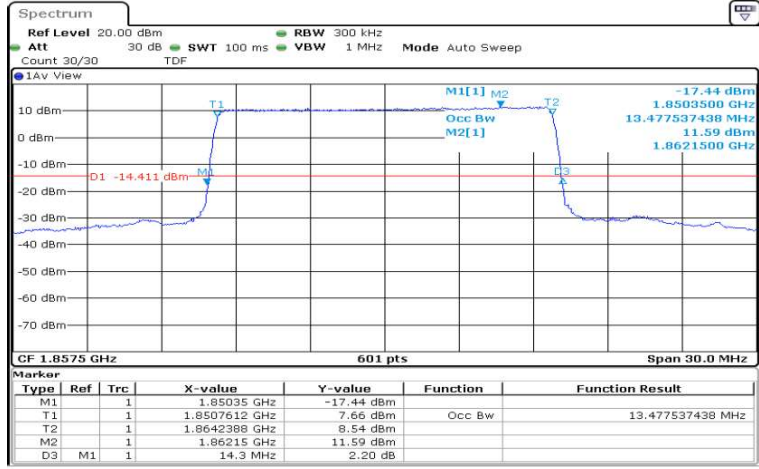
Date: 15.AUG.2020 13:26:14

**Band2-15MHz-QPSK-19125-75RB#0-13.478**



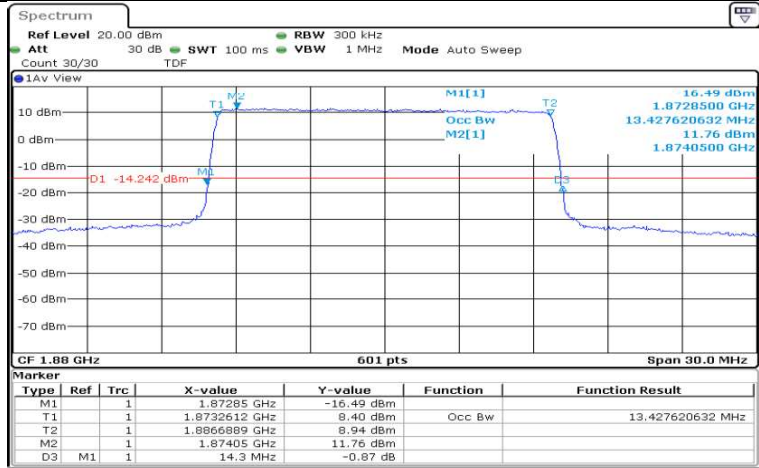
Date: 15.AUG.2020 13:26:36

**Band2-15MHz-16QAM-18675-75RB#0-13.478**



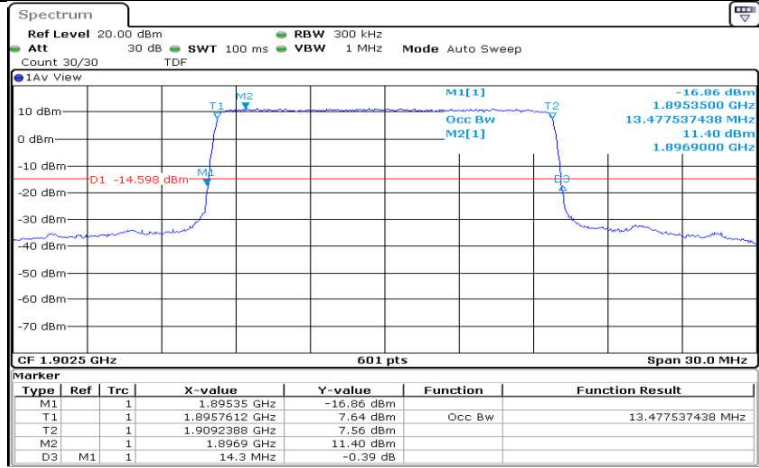
Date: 15.AUG.2020 13:26:03

**Band2-15MHz-16QAM-18900-75RB#0-13.428**

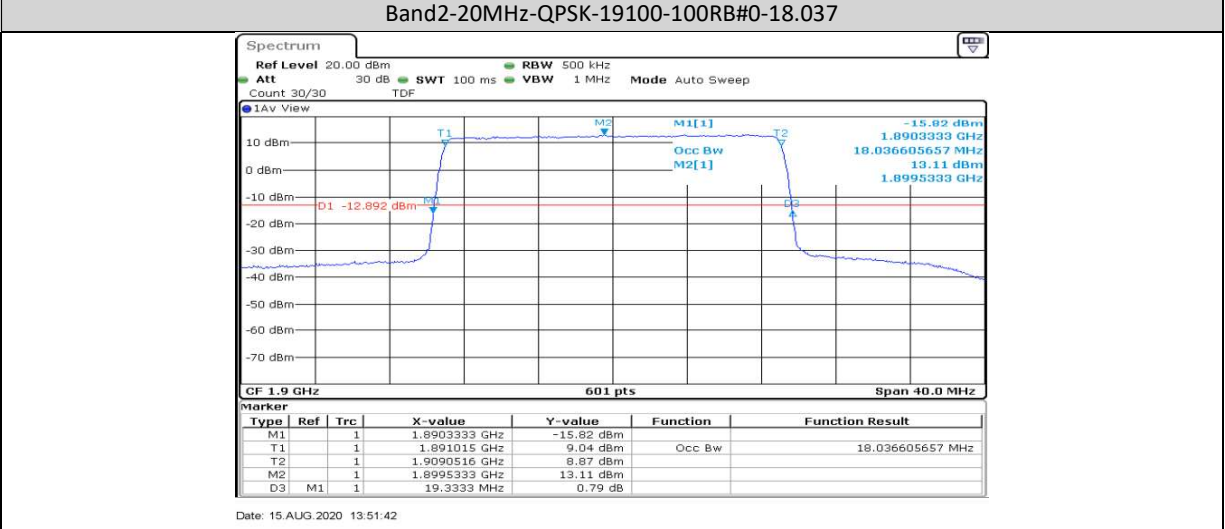
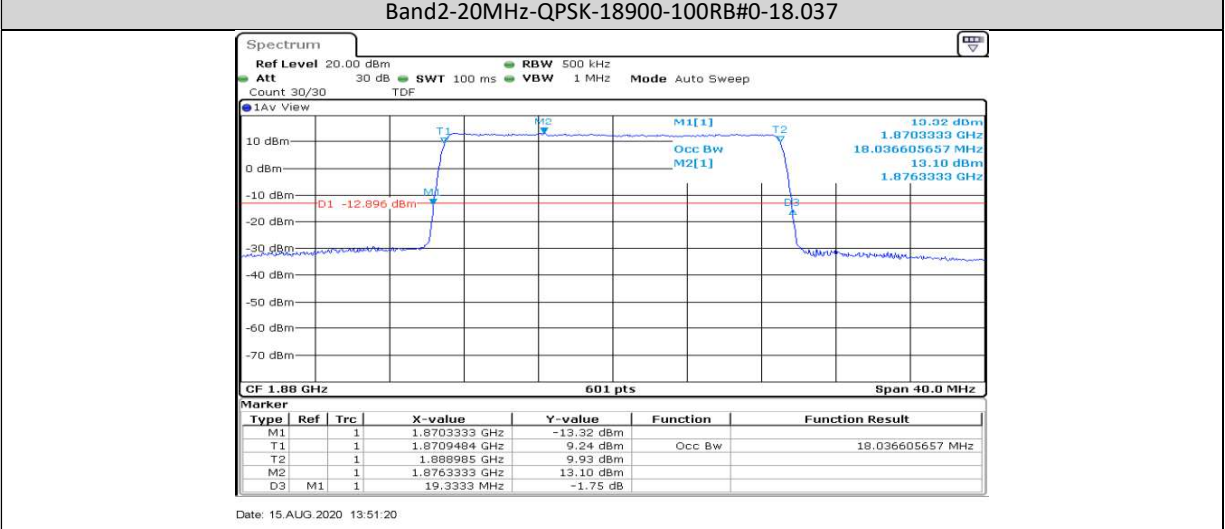
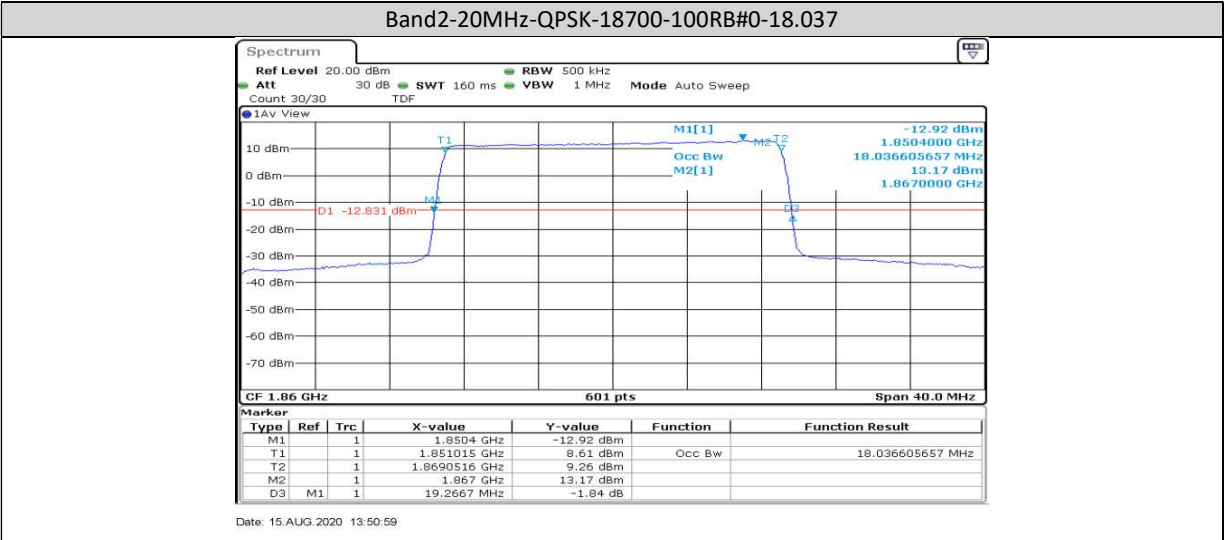


Date: 15.AUG.2020 13:26:24

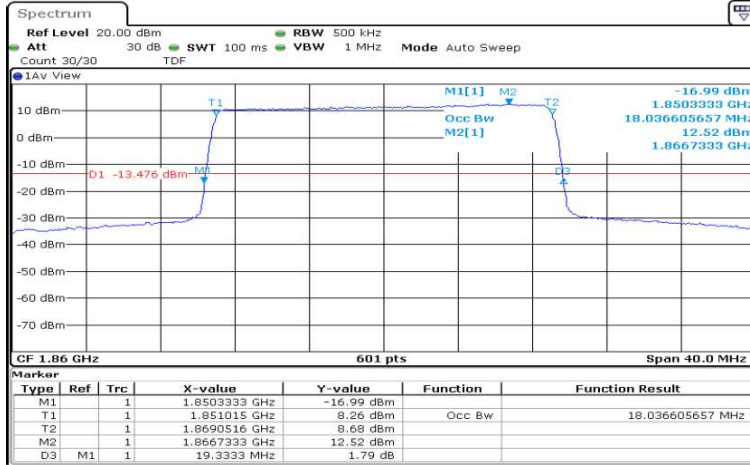
**Band2-15MHz-16QAM-19125-75RB#0-13.478**



Date: 15.AUG.2020 13:26:46

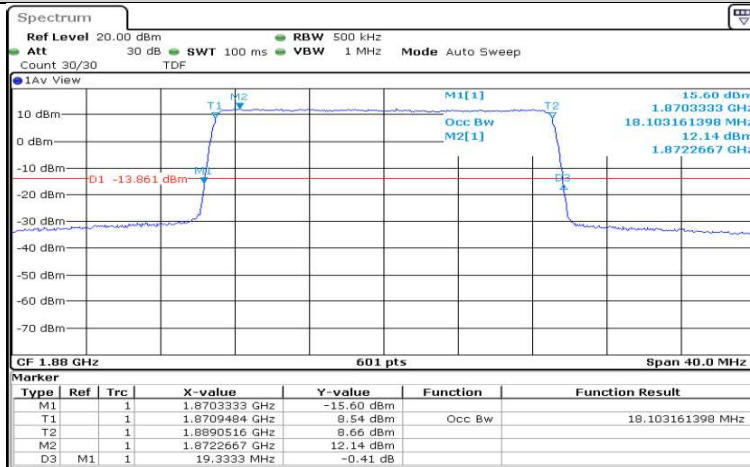


Band2-20MHz-16QAM-18700-100RB#0-18.037



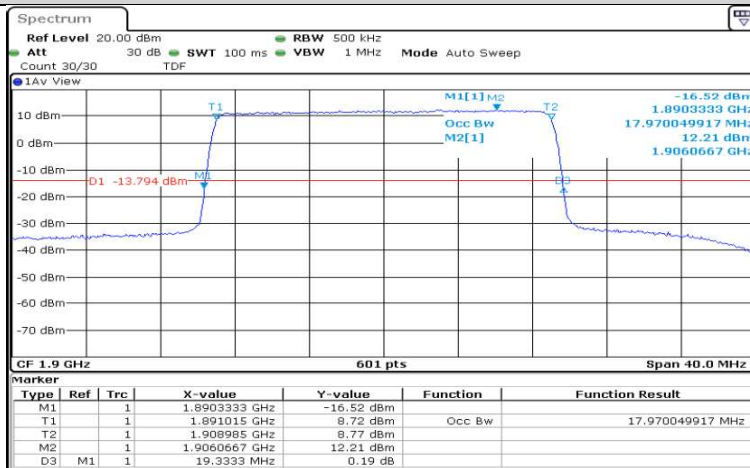
Date: 15.AUG.2020 13:51:08

Band2-20MHz-16QAM-18900-100RB#0-18.103



Date: 15.AUG.2020 13:51:30

Band2-20MHz-16QAM-19100-100RB#0-17.97



Date: 15.AUG.2020 13:51:51

## Appendix E: Band Edges Compliance

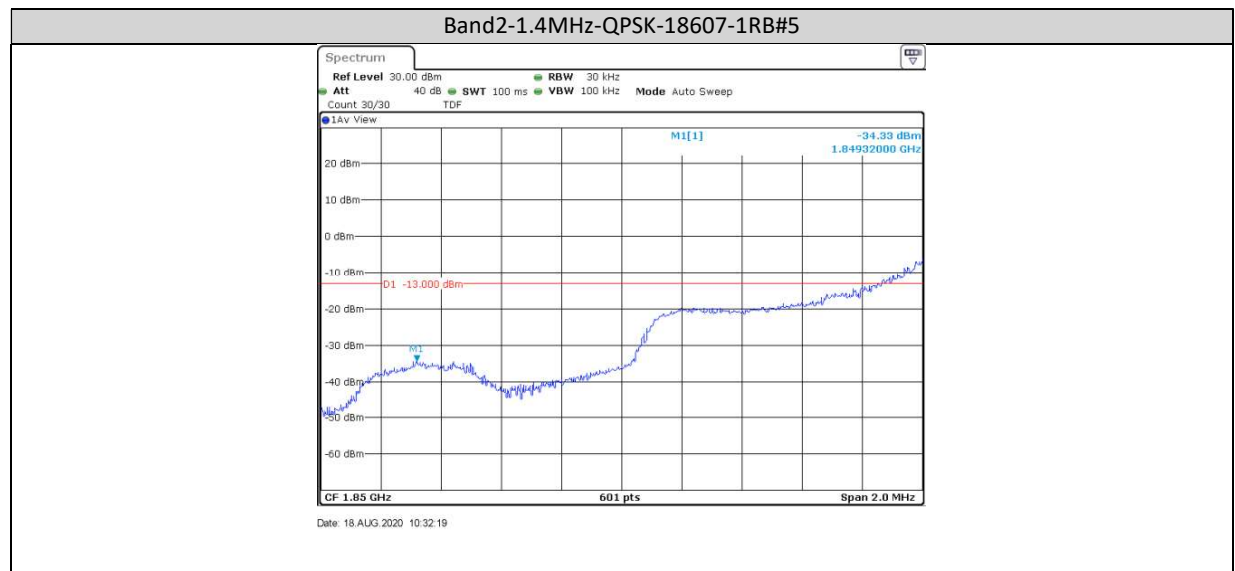
### Test Plots

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#5	-34.33	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	-21.82	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-28.33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-24.37	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	-34.86	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-29.88	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-18.08	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	-32.33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-29.12	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	-35.04	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-24.05	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-30.53	PASS
Band2	3MHz	QPSK	18615	1RB#0	-13.50	PASS
Band2	3MHz	QPSK	18615	1RB#14	-29.33	PASS
Band2	3MHz	QPSK	18615	15RB#0	-25.04	PASS
Band2	3MHz	QPSK	19185	1RB#0	-29.53	PASS
Band2	3MHz	QPSK	19185	1RB#14	-15.02	PASS
Band2	3MHz	QPSK	19185	15RB#0	-25.10	PASS
Band2	3MHz	16QAM	18615	1RB#0	-14.89	PASS
Band2	3MHz	16QAM	18615	1RB#14	-31.82	PASS
Band2	3MHz	16QAM	18615	15RB#0	-25.59	PASS
Band2	3MHz	16QAM	19185	1RB#14	-16.41	PASS
Band2	3MHz	16QAM	19185	1RB#0	-28.86	PASS
Band2	3MHz	16QAM	19185	15RB#0	-26.38	PASS
Band2	5MHz	QPSK	18625	1RB#0	-18.51	PASS
Band2	5MHz	QPSK	18625	1RB#24	-36.17	PASS
Band2	5MHz	QPSK	18625	25RB#0	-28.95	PASS
Band2	5MHz	QPSK	19175	1RB#24	-20.60	PASS
Band2	5MHz	QPSK	19175	1RB#0	-35.53	PASS
Band2	5MHz	QPSK	19175	25RB#0	-30.78	PASS
Band2	5MHz	16QAM	18625	1RB#24	-36.78	PASS
Band2	5MHz	16QAM	18625	1RB#0	-21.79	PASS
Band2	5MHz	16QAM	18625	25RB#0	-30.11	PASS
Band2	5MHz	16QAM	19175	1RB#0	-37.40	PASS
Band2	5MHz	16QAM	19175	1RB#24	-19.23	PASS
Band2	5MHz	16QAM	19175	25RB#0	-30.42	PASS
Band2	10MHz	QPSK	18650	1RB#0	-24.58	PASS
Band2	10MHz	QPSK	18650	1RB#49	-38.86	PASS
Band2	10MHz	QPSK	18650	50RB#0	-33.43	PASS
Band2	10MHz	QPSK	19150	1RB#0	-39.10	PASS
Band2	10MHz	QPSK	19150	1RB#49	-25.86	PASS
Band2	10MHz	QPSK	19150	50RB#0	-33.72	PASS
Band2	10MHz	16QAM	18650	1RB#0	-26.86	PASS
Band2	10MHz	16QAM	18650	1RB#49	-40.43	PASS

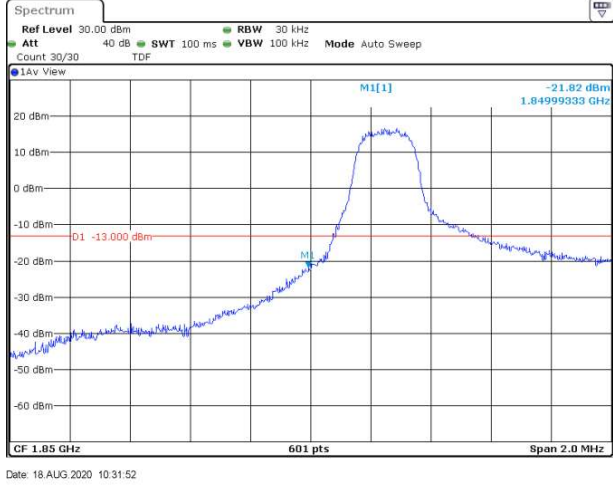
## Total Quality. Assured.

Band2	10MHz	16QAM	18650	50RB#0	-33.05	PASS
Band2	10MHz	16QAM	19150	1RB#0	-39.30	PASS
Band2	10MHz	16QAM	19150	1RB#49	-26.73	PASS
Band2	10MHz	16QAM	19150	50RB#0	-34.92	PASS
Band2	15MHz	QPSK	18675	1RB#74	-40.17	PASS
Band2	15MHz	QPSK	18675	1RB#0	-26.99	PASS
Band2	15MHz	QPSK	18675	75RB#0	-33.68	PASS
Band2	15MHz	QPSK	19125	1RB#0	-39.87	PASS
Band2	15MHz	QPSK	19125	1RB#74	-27.16	PASS
Band2	15MHz	QPSK	19125	75RB#0	-34.77	PASS
Band2	15MHz	16QAM	18675	1RB#74	-40.08	PASS
Band2	15MHz	16QAM	18675	1RB#0	-27.94	PASS
Band2	15MHz	16QAM	18675	75RB#0	-33.98	PASS
Band2	15MHz	16QAM	19125	1RB#74	-28.18	PASS
Band2	15MHz	16QAM	19125	1RB#0	-40.11	PASS
Band2	15MHz	16QAM	19125	75RB#0	-34.56	PASS
Band2	20MHz	QPSK	18700	1RB#0	-26.92	PASS
Band2	20MHz	QPSK	18700	1RB#99	-39.18	PASS
Band2	20MHz	QPSK	18700	100RB#0	-32.88	PASS
Band2	20MHz	QPSK	19100	1RB#99	-26.23	PASS
Band2	20MHz	QPSK	19100	1RB#0	-38.95	PASS
Band2	20MHz	QPSK	19100	100RB#0	-35.13	PASS
Band2	20MHz	16QAM	18700	1RB#0	-26.91	PASS
Band2	20MHz	16QAM	18700	1RB#99	-38.94	PASS
Band2	20MHz	16QAM	18700	100RB#0	-33.37	PASS
Band2	20MHz	16QAM	19100	1RB#0	-39.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	-27.43	PASS
Band2	20MHz	16QAM	19100	100RB#0	-35.28	PASS

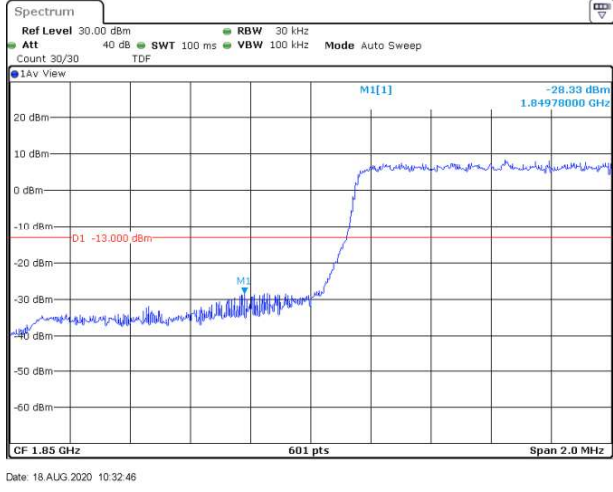
## Test Graphs



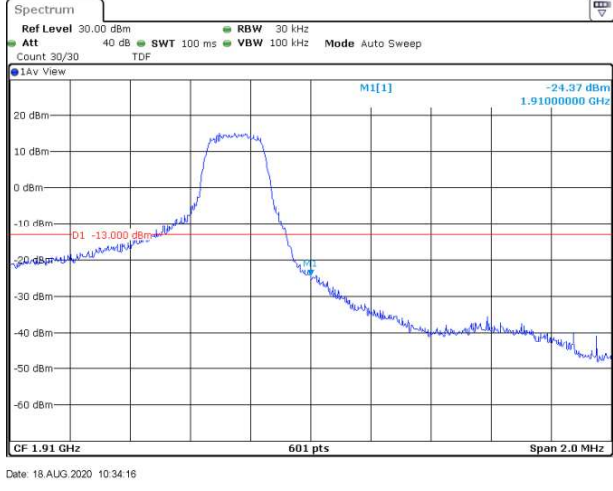
**Band2-1.4MHz-QPSK-18607-1RB#0**



**Band2-1.4MHz-QPSK-18607-6RB#0**

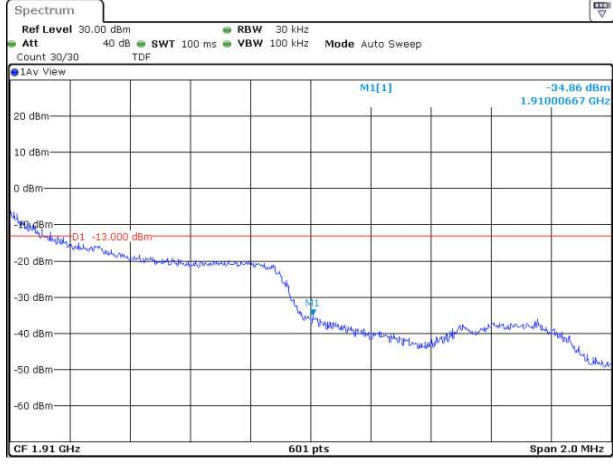


**Band2-1.4MHz-QPSK-19193-1RB#5**



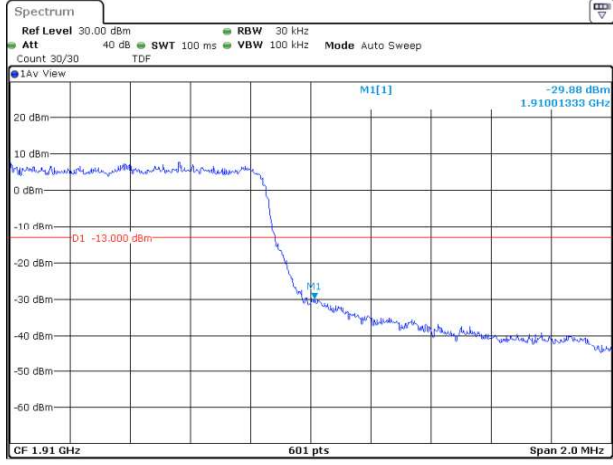


Band2-1.4MHz-QPSK-19193-1RB#0



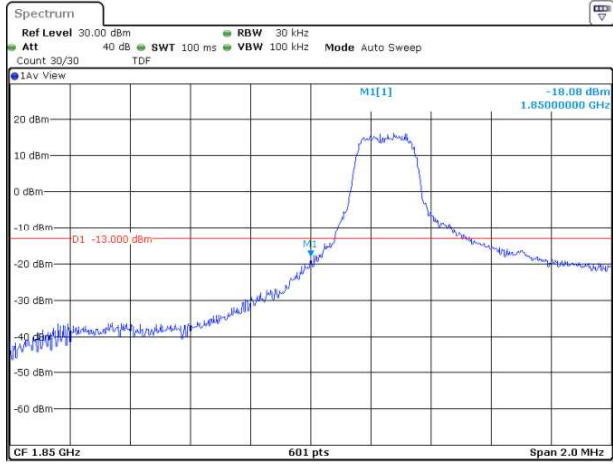
Date: 18.AUG.2020 10:33:49

Band2-1.4MHz-QPSK-19193-6RB#0



Date: 18.AUG.2020 10:34:43

Band2-1.4MHz-16QAM-18607-1RB#0



Date: 18.AUG.2020 10:32:05