

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	23.27	22.87	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.19	22.79	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.11	22.71	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.29	22.89	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.29	22.89	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.18	22.78	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.25	21.85	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.23	22.83	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.14	22.74	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.18	22.78	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.37	22.97	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.36	22.96	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.41	23.01	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.27	21.87	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.72	22.32	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.91	22.51	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.65	22.25	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.70	22.3	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.89	22.49	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.89	22.49	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.67	21.27	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.50	22.1	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.21	21.81	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.30	21.9	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.09	21.69	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.18	21.78	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.21	21.81	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.47	21.07	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.48	22.08	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.58	22.18	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.66	22.26	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.43	22.03	33	PASS

Band2	1.4MHz	16QAM	18900	3RB#1	22.45	22.05	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.52	22.12	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.38	20.98	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.83	21.43	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.98	21.58	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.66	21.26	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	21.59	21.19	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.71	21.31	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.79	21.39	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.89	20.49	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.67	22.27	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.68	22.28	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.61	22.21	33	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.62	21.22	33	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.61	21.21	33	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.62	21.22	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.61	21.21	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.30	22.9	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.31	22.91	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.38	22.98	33	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.25	21.85	33	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.33	21.93	33	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.26	21.86	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.37	21.97	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.74	22.34	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.87	22.47	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.83	22.43	33	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.88	21.48	33	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.86	21.46	33	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.86	21.46	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.72	21.32	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.57	21.17	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.58	21.18	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.04	20.64	33	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.92	20.52	33	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.87	20.47	33	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.90	20.5	33	PASS

Band2	3MHz	16QAM	18615	15RB#0	20.64	20.24	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	23.06	22.66	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	23.07	22.67	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.85	22.45	33	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.56	21.16	33	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.56	21.16	33	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.60	21.2	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.45	21.05	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.83	21.43	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.03	21.63	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.91	21.51	33	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.12	20.72	33	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.05	20.65	33	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.14	20.74	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.90	20.5	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.69	22.29	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.69	22.29	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.73	22.33	33	PASS
Band2	5MHz	QPSK	18625	12RB#13	21.56	21.16	33	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.68	21.28	33	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.70	21.3	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.57	21.17	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.50	23.1	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.48	23.08	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.46	23.06	33	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.29	21.89	33	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.30	21.9	33	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.41	22.01	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.36	21.96	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.98	22.58	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.09	22.69	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.88	22.48	33	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.94	21.54	33	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.81	21.41	33	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.95	21.55	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.78	21.38	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.35	20.95	33	PASS

Band2	5MHz	16QAM	18625	1RB#0	21.45	21.05	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.44	21.04	33	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.60	20.2	33	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.72	20.32	33	PASS
Band2	5MHz	16QAM	18625	12RB#0	20.71	20.31	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.44	20.04	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.31	21.91	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.31	21.91	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.28	21.88	33	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.46	21.06	33	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.43	21.03	33	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.47	21.07	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.47	21.07	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.39	20.99	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.31	20.91	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.34	20.94	33	PASS
Band2	5MHz	16QAM	19175	12RB#13	20.89	20.49	33	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.98	20.58	33	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.97	20.57	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.04	20.64	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.58	22.18	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.52	22.12	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.56	22.16	33	PASS
Band2	10MHz	QPSK	18650	25RB#0	21.47	21.07	33	PASS
Band2	10MHz	QPSK	18650	25RB#12	21.47	21.07	33	PASS
Band2	10MHz	QPSK	18650	25RB#25	21.60	21.2	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.50	21.1	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.27	22.87	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.29	22.89	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.42	23.02	33	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.28	21.88	33	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.22	21.82	33	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.24	21.84	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.26	21.86	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.87	22.47	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.03	22.63	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.74	22.34	33	PASS

Band2	10MHz	QPSK	19150	25RB#12	21.88	21.48	33	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.78	21.38	33	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.89	21.49	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.92	21.52	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	20.89	20.49	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	20.86	20.46	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	20.89	20.49	33	PASS
Band2	10MHz	16QAM	18650	25RB#25	20.71	20.31	33	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.71	20.31	33	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.64	20.24	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.68	20.28	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.10	21.7	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.15	21.75	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.06	21.66	33	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.58	21.18	33	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.49	21.09	33	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.52	21.12	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.42	21.02	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.81	21.41	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.72	21.32	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.51	21.11	33	PASS
Band2	10MHz	16QAM	19150	25RB#25	20.85	20.45	33	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.93	20.53	33	PASS
Band2	10MHz	16QAM	19150	25RB#12	20.90	20.5	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.01	20.61	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.10	21.7	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.25	21.85	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.36	21.96	33	PASS
Band2	15MHz	QPSK	18675	38RB#0	21.38	20.98	33	PASS
Band2	15MHz	QPSK	18675	38RB#37	21.56	21.16	33	PASS
Band2	15MHz	QPSK	18675	38RB#18	21.37	20.97	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.55	21.15	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.24	22.84	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.27	22.87	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.11	22.71	33	PASS
Band2	15MHz	QPSK	18900	38RB#18	22.55	22.15	33	PASS
Band2	15MHz	QPSK	18900	38RB#0	22.45	22.05	33	PASS

Band2	15MHz	QPSK	18900	38RB#37	22.54	22.14	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.32	21.92	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.82	22.42	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.11	22.71	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.02	22.62	33	PASS
Band2	15MHz	QPSK	19125	38RB#37	21.70	21.3	33	PASS
Band2	15MHz	QPSK	19125	38RB#0	21.98	21.58	33	PASS
Band2	15MHz	QPSK	19125	38RB#18	21.83	21.43	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.96	21.56	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.54	21.14	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.36	20.96	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.41	21.01	33	PASS
Band2	15MHz	16QAM	18675	38RB#18	21.34	20.94	33	PASS
Band2	15MHz	16QAM	18675	38RB#37	21.56	21.16	33	PASS
Band2	15MHz	16QAM	18675	38RB#0	21.38	20.98	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.80	20.4	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.51	22.11	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.57	22.17	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.45	22.05	33	PASS
Band2	15MHz	16QAM	18900	38RB#18	22.48	22.08	33	PASS
Band2	15MHz	16QAM	18900	38RB#0	22.40	22	33	PASS
Band2	15MHz	16QAM	18900	38RB#37	22.52	22.12	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.41	21.01	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.82	21.42	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.96	21.56	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.59	21.19	33	PASS
Band2	15MHz	16QAM	19125	38RB#0	21.95	21.55	33	PASS
Band2	15MHz	16QAM	19125	38RB#18	21.74	21.34	33	PASS
Band2	15MHz	16QAM	19125	38RB#37	21.63	21.23	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.17	20.77	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.52	22.12	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.55	22.15	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.00	22.6	33	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.56	21.16	33	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.56	21.16	33	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.77	21.37	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.64	21.24	33	PASS

Band2	20MHz	QPSK	18900	1RB#99	23.40	23	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.16	22.76	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.44	23.04	33	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.36	21.96	33	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.38	21.98	33	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.27	21.87	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.38	21.98	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.09	22.69	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.19	22.79	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.82	22.42	33	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.21	21.81	33	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.21	21.81	33	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.99	21.59	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.04	21.64	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.40	22	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.08	21.68	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.04	21.64	33	PASS
Band2	20MHz	16QAM	18700	50RB#0	20.70	20.3	33	PASS
Band2	20MHz	16QAM	18700	50RB#25	20.71	20.31	33	PASS
Band2	20MHz	16QAM	18700	50RB#50	20.95	20.55	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.91	20.51	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.29	21.89	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.30	21.9	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.08	21.68	33	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.53	21.13	33	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.52	21.12	33	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.51	21.11	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.47	21.07	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.77	21.37	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.56	21.16	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.97	21.57	33	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.41	21.01	33	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.36	20.96	33	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.18	20.78	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.26	20.86	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	4.87	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	5.33	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	4.81	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.25	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	8.46	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.28	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	5.33	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.14	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	5.36	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.06	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	5.51	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.97	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	4.81	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.22	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	4.75	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.01	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.70	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.07	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	5.71	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.09	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	5.42	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.03	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.51	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	5.94	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	4.93	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.22	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	4.55	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.07	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	4.67	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.01	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	5.54	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.09	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	5.39	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	5.97	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	5.54	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	5.86	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	4.84	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.30	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	4.64	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.13	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	4.75	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.04	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	5.91	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.20	13	PASS

Total Quality. Assured.

Band2	10MHz	16QAM	18900	1RB#0	5.71	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	5.97	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	5.62	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	5.88	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	5.16	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.04	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.67	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	4.90	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	5.25	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	4.84	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	5.88	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	5.97	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	5.42	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	5.86	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	6.14	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	5.80	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	5.01	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	4.20	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	4.64	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.12	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	5.01	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.12	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	5.86	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.80	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.74	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.74	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	5.83	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.71	13	PASS

Appendix C: Modulation Characteristics

Test Plots

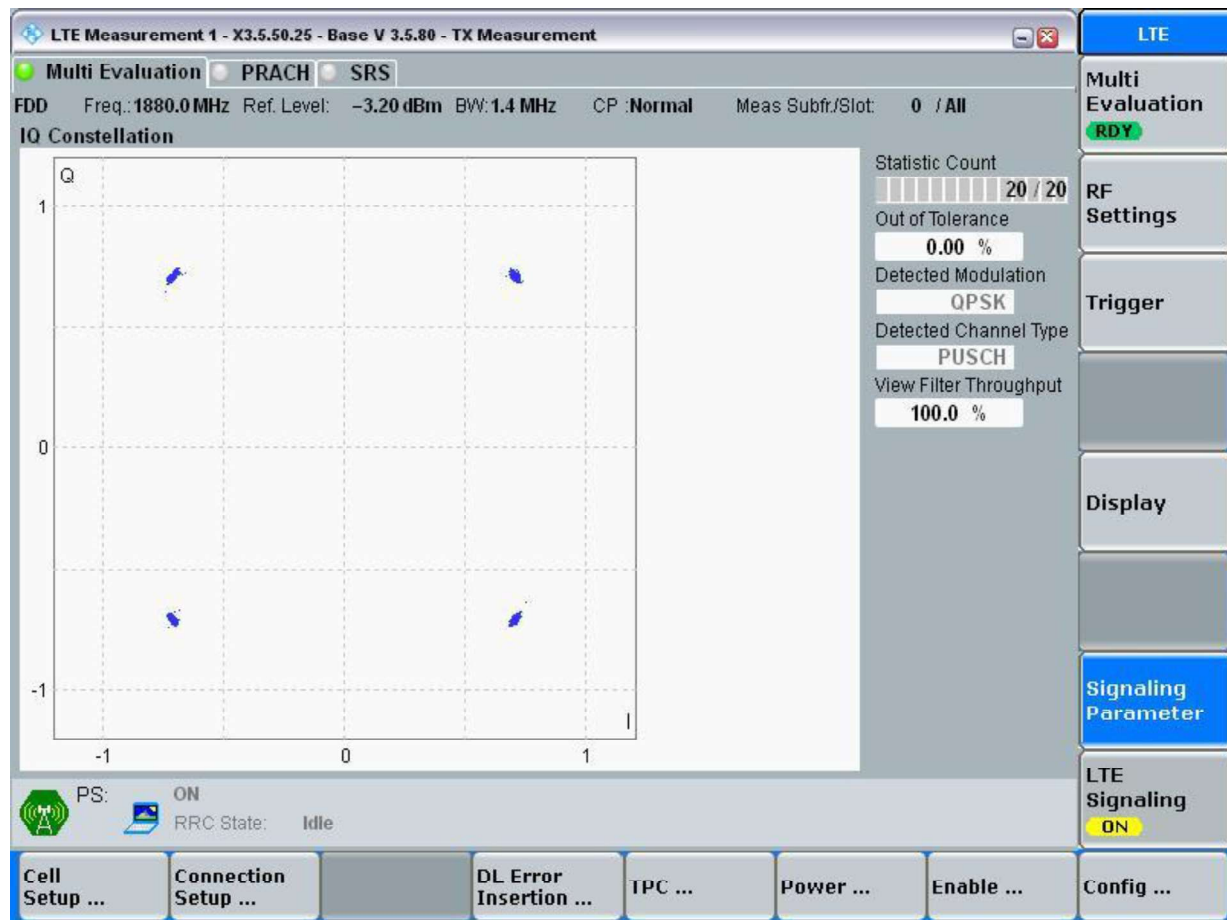
Test Band = BAND2

Test Mode = LTE/TM1

Test Bandwidth = 1.4MHz

Test Channel = MCH

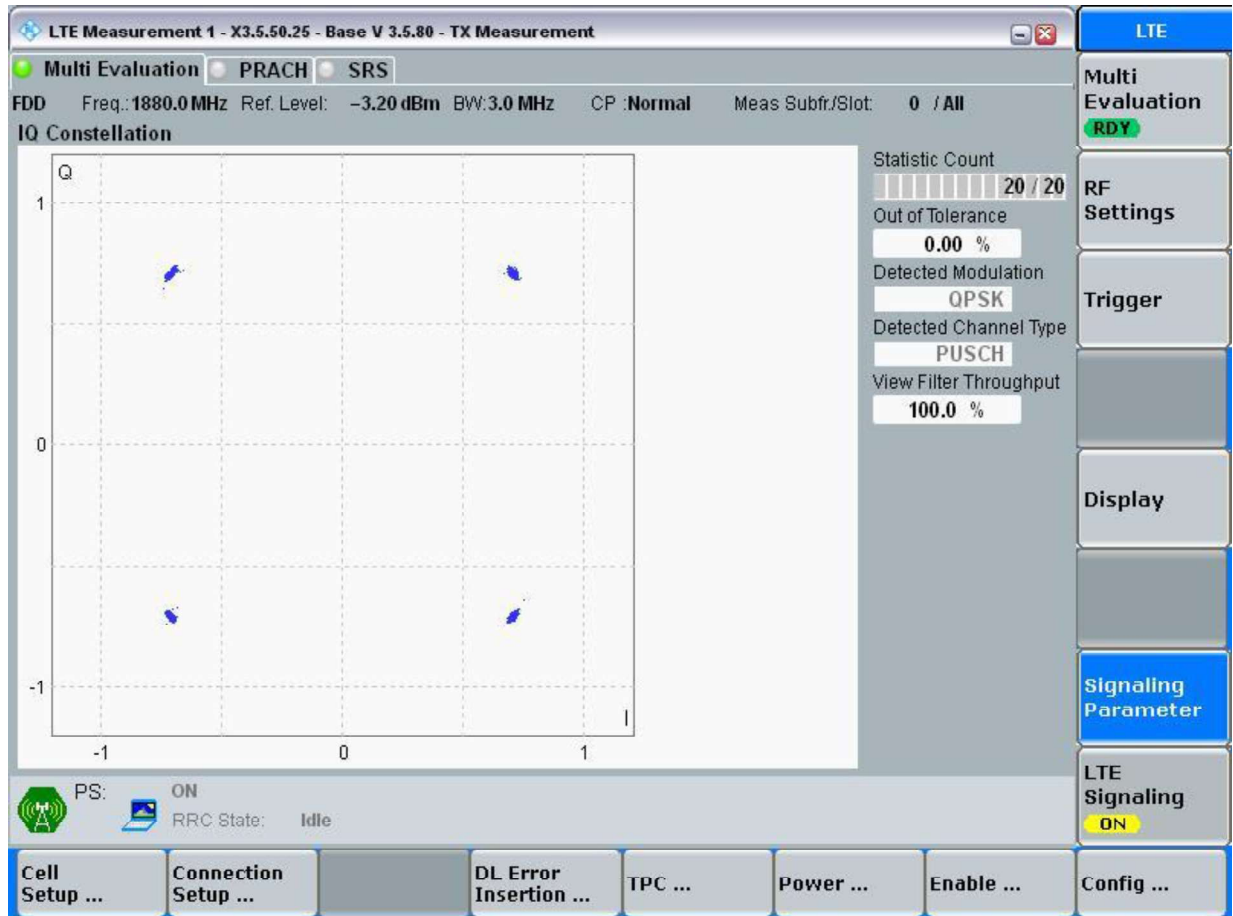
Test RB = RB6#0



Test Bandwidth = 3 MHz

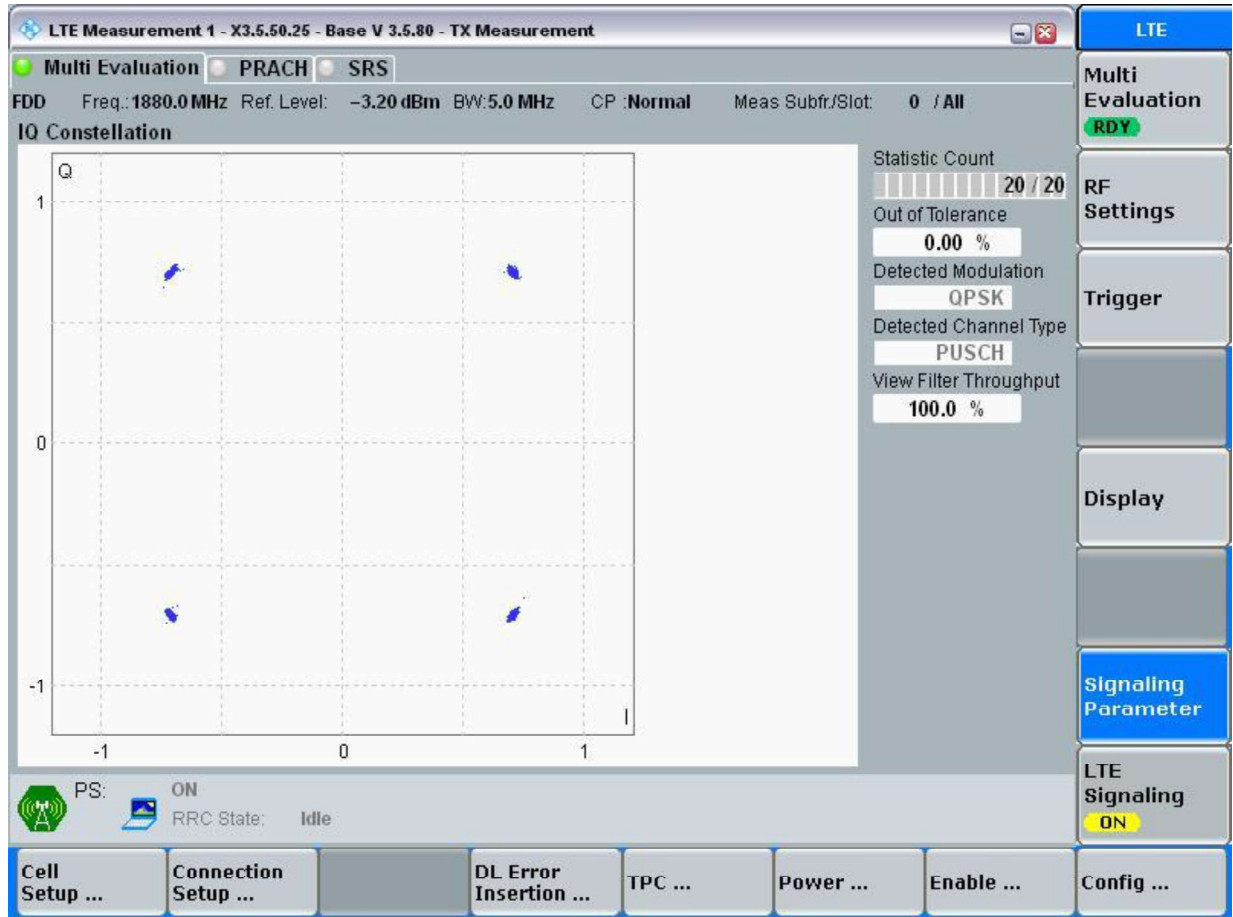
Test Channel = MCH

Test RB = RB15#0



Test Channel = MCH

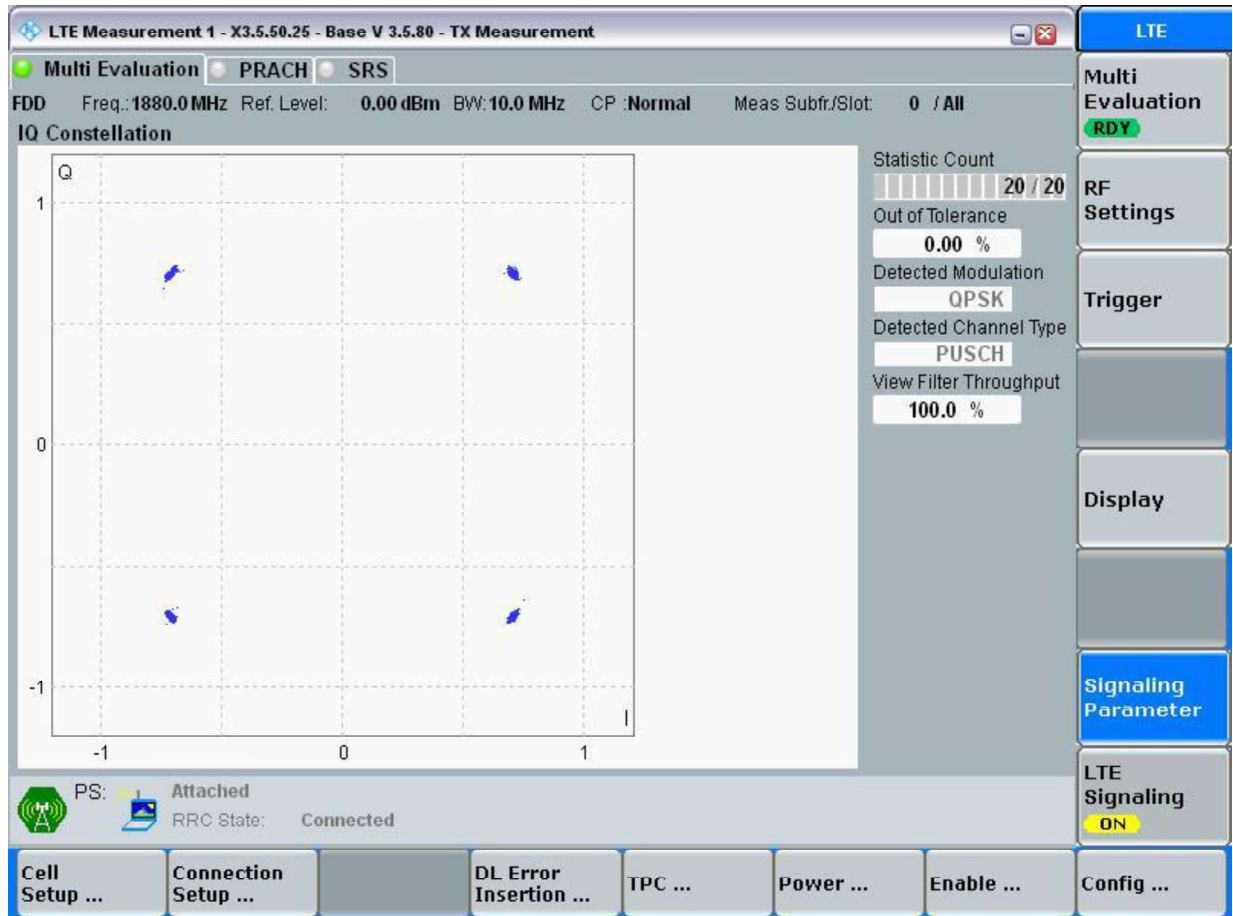
Test RB = RB25#0



Test Bandwidth = 10MHz

Test Channel = MCH

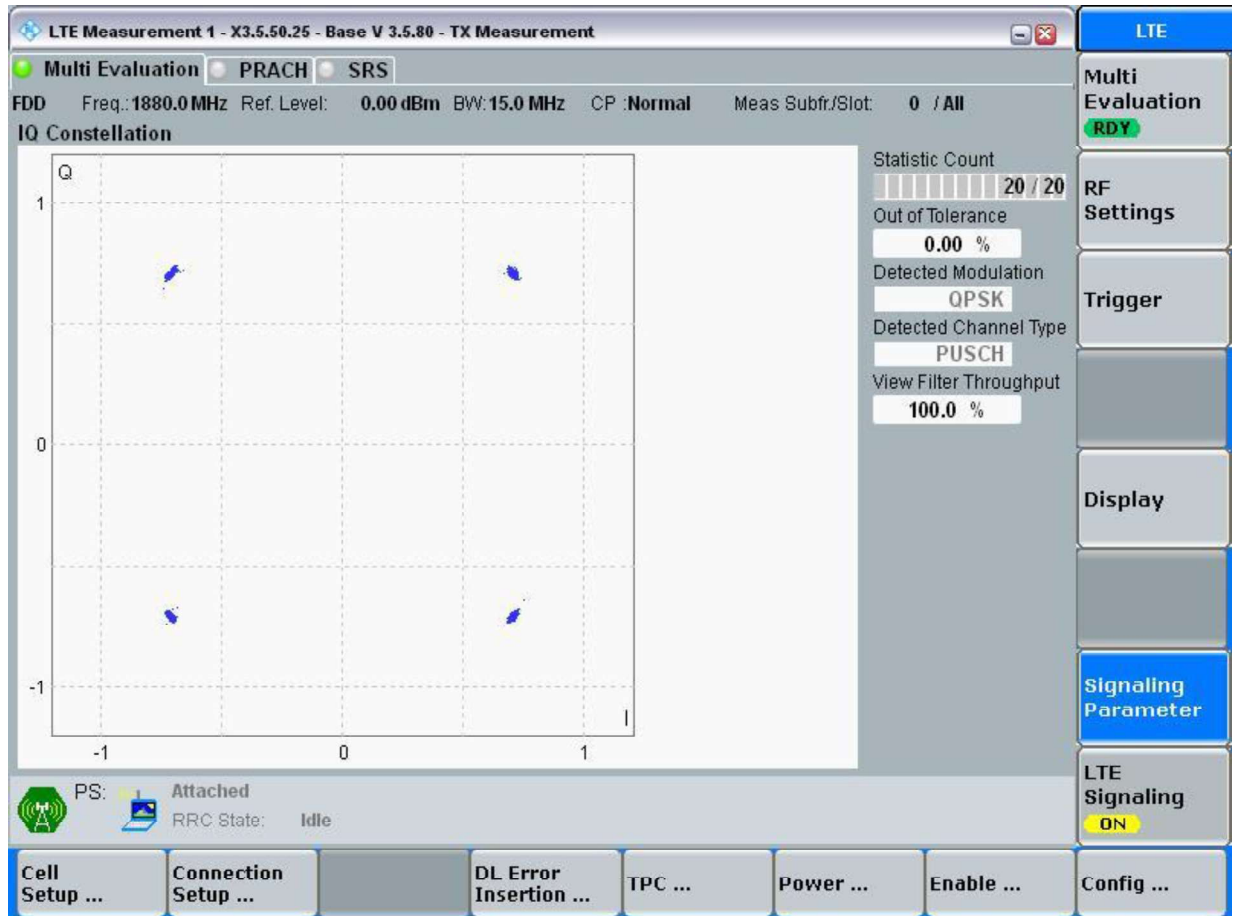
Test RB = RB50#0



Test Bandwidth = 15MHz

Test Channel = MCH

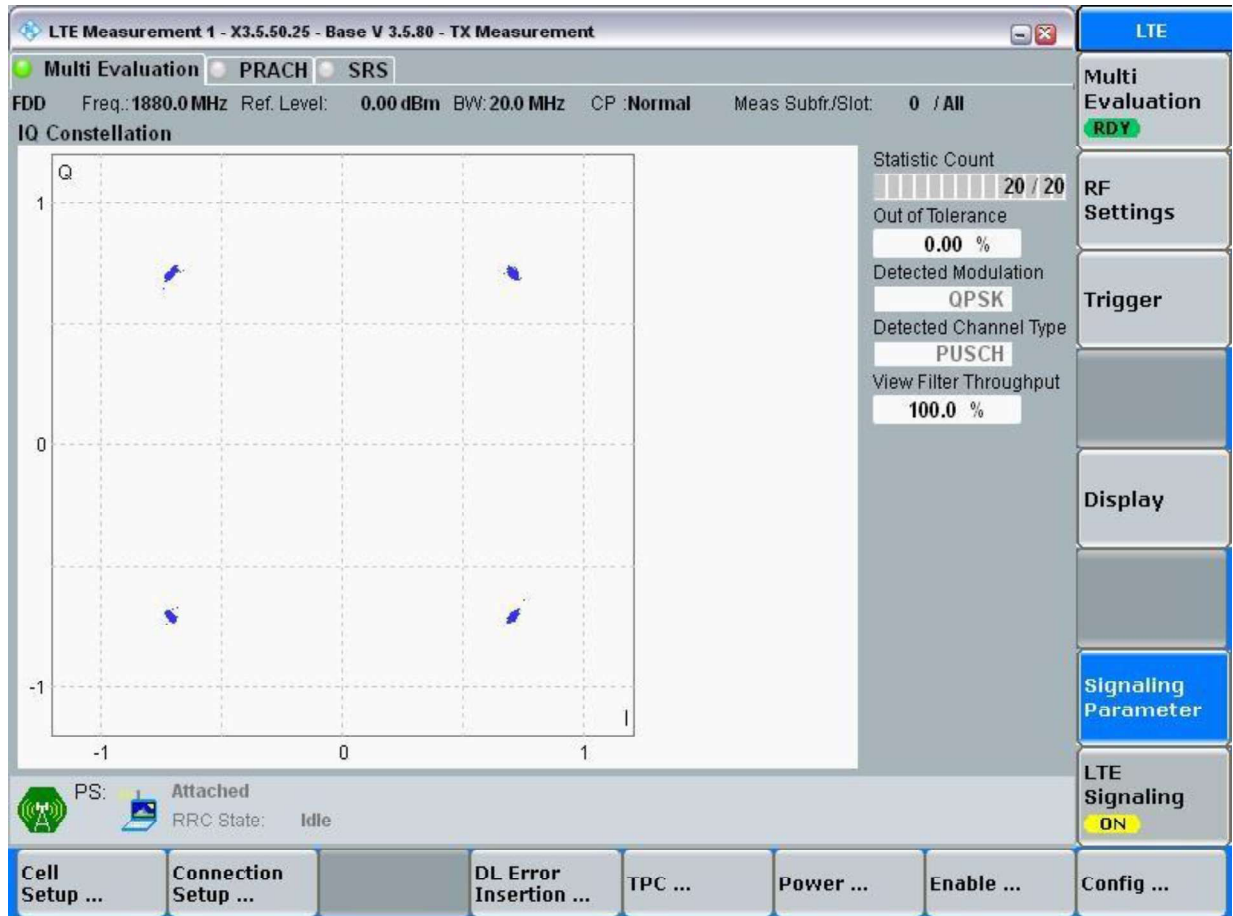
Test RB = RB75#0



Test Bandwidth = 20MHz

Test Channel = MCH

Test RB = RB100#0

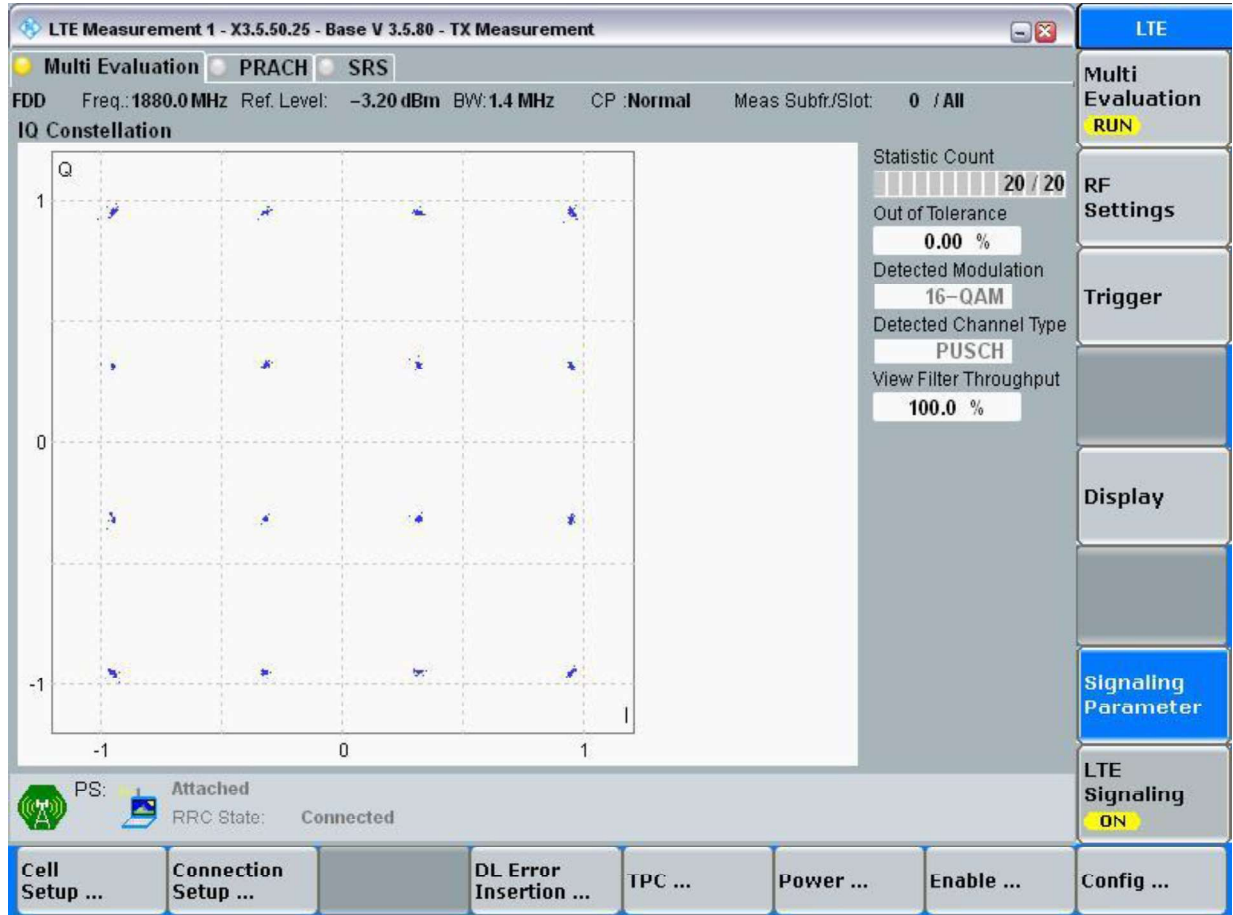


Test Mode = LTE/TM2

Bandwidth = 1.4MHz

Test Channel = MCH

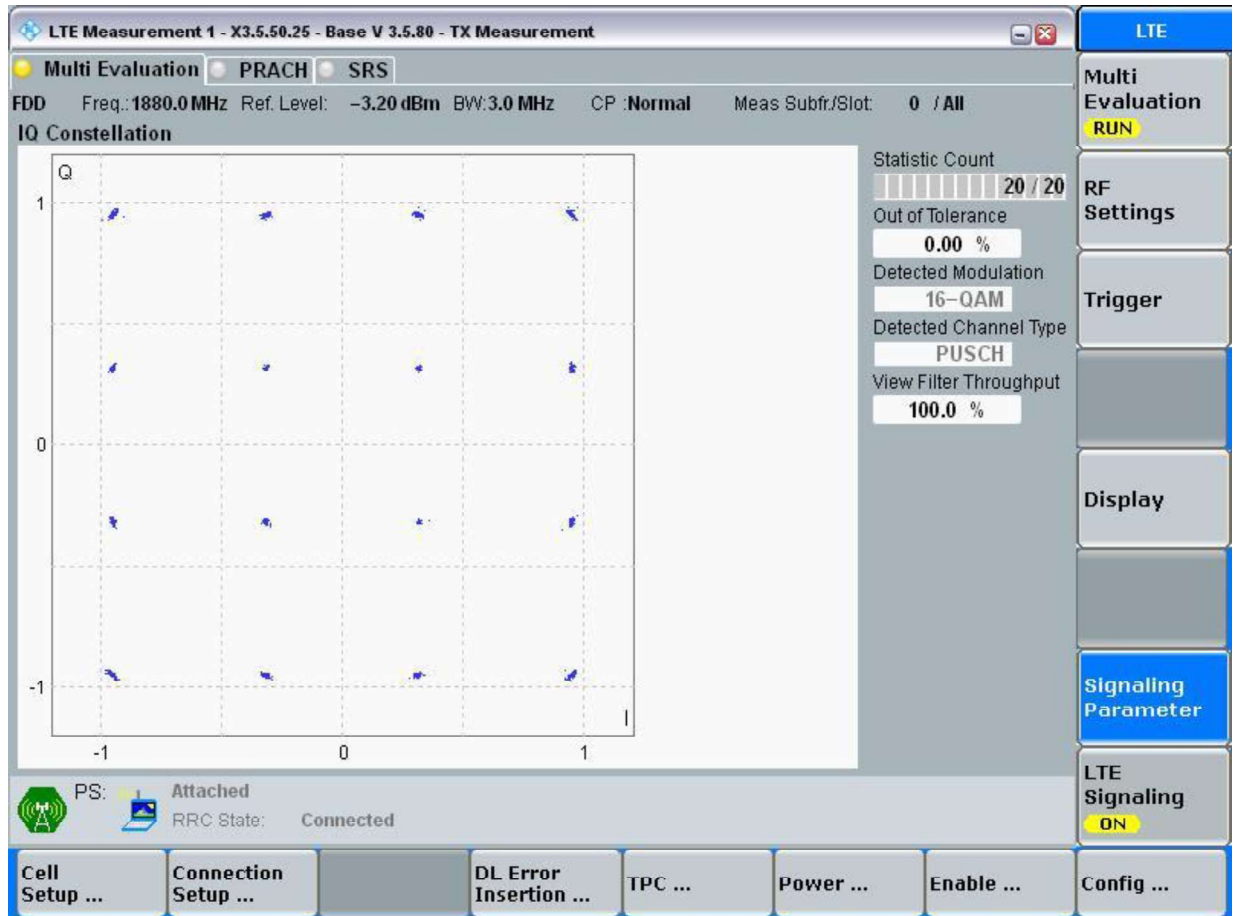
Test RB = RB6#0



Test Bandwidth = 3MHz

Test Channel = MCH

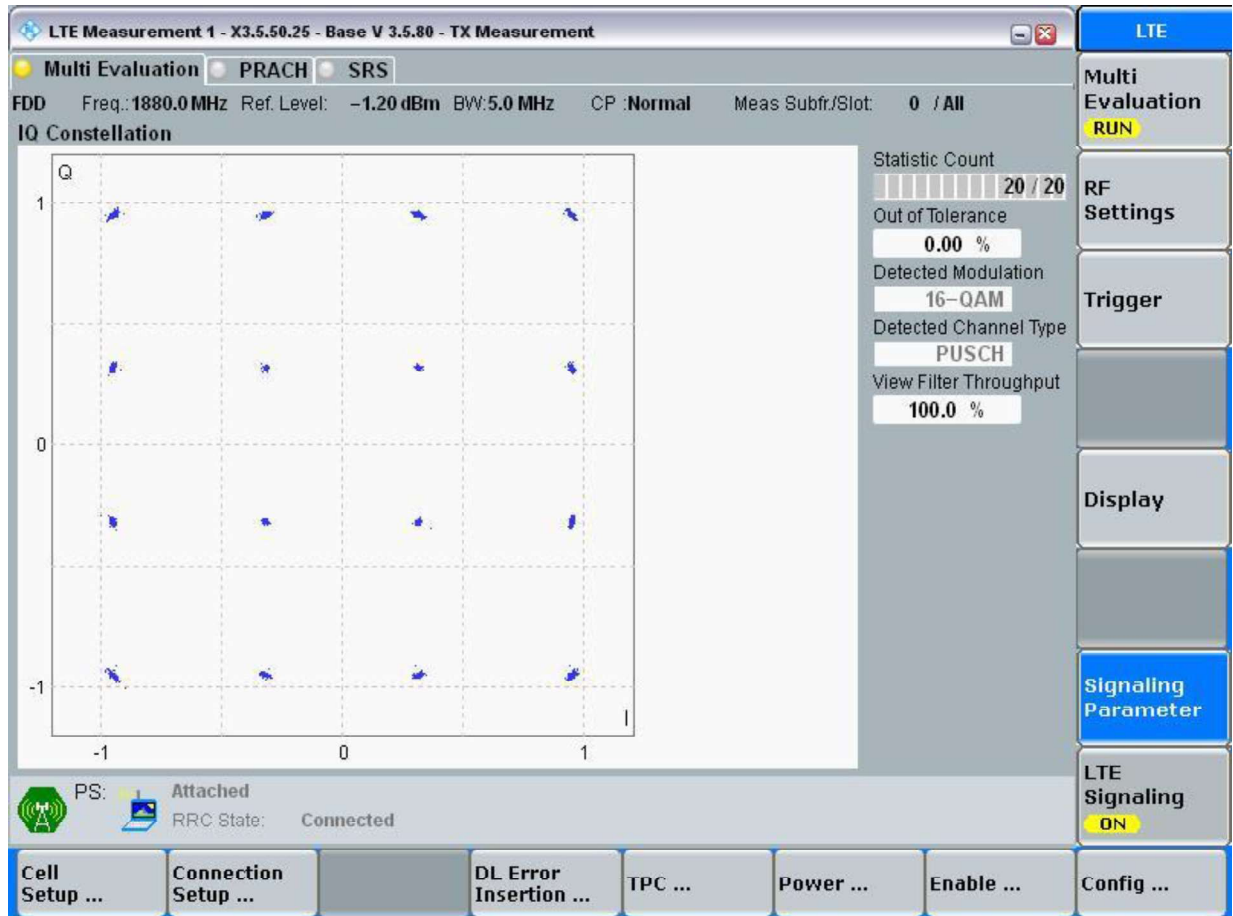
Test RB = RB15#0



Test Bandwidth = 5MHz

Test Channel = MCH

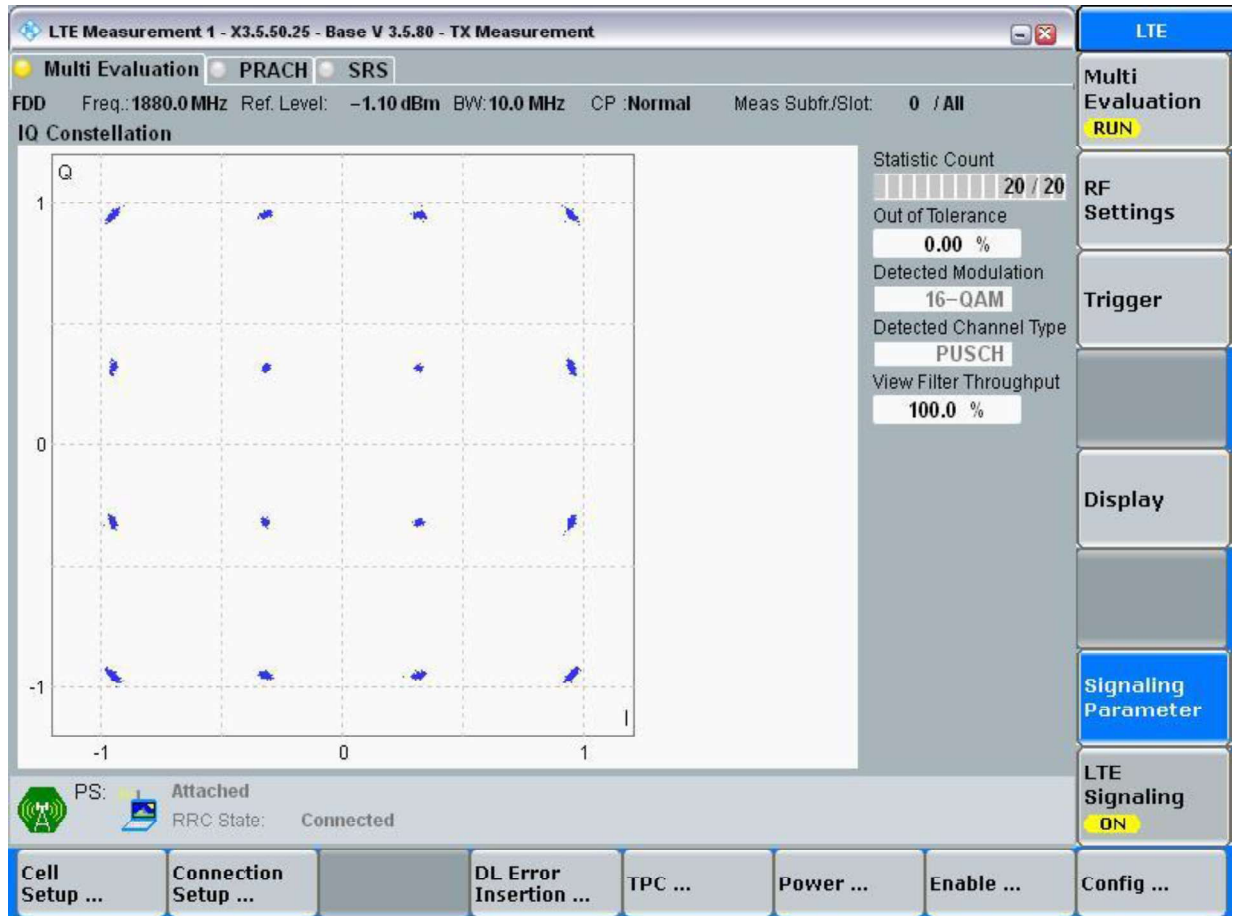
Test RB = RB25#0



Test Bandwidth = 10MHz

Test Channel = MCH

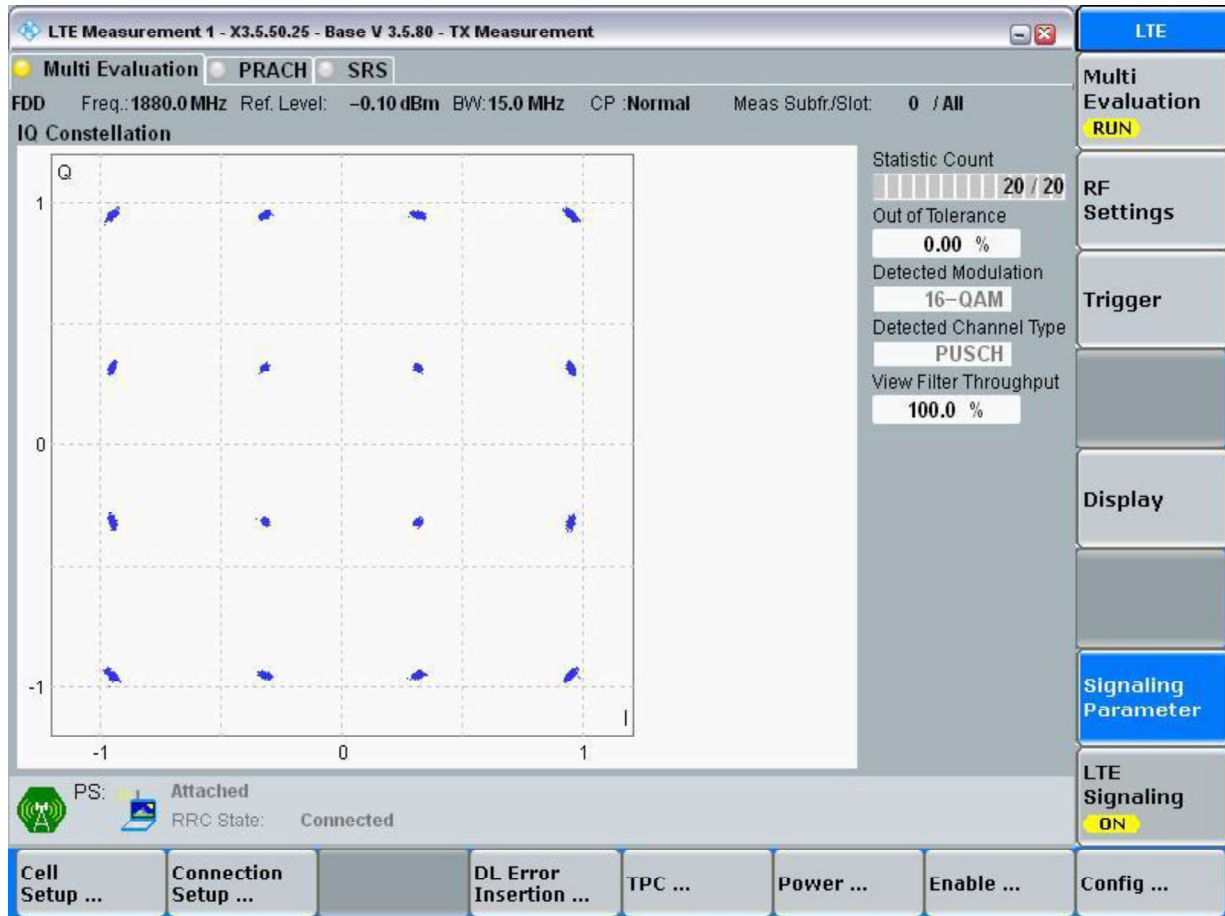
Test RB = RB50#0



Test Bandwidth = 15MHz

Test Channel = MCH

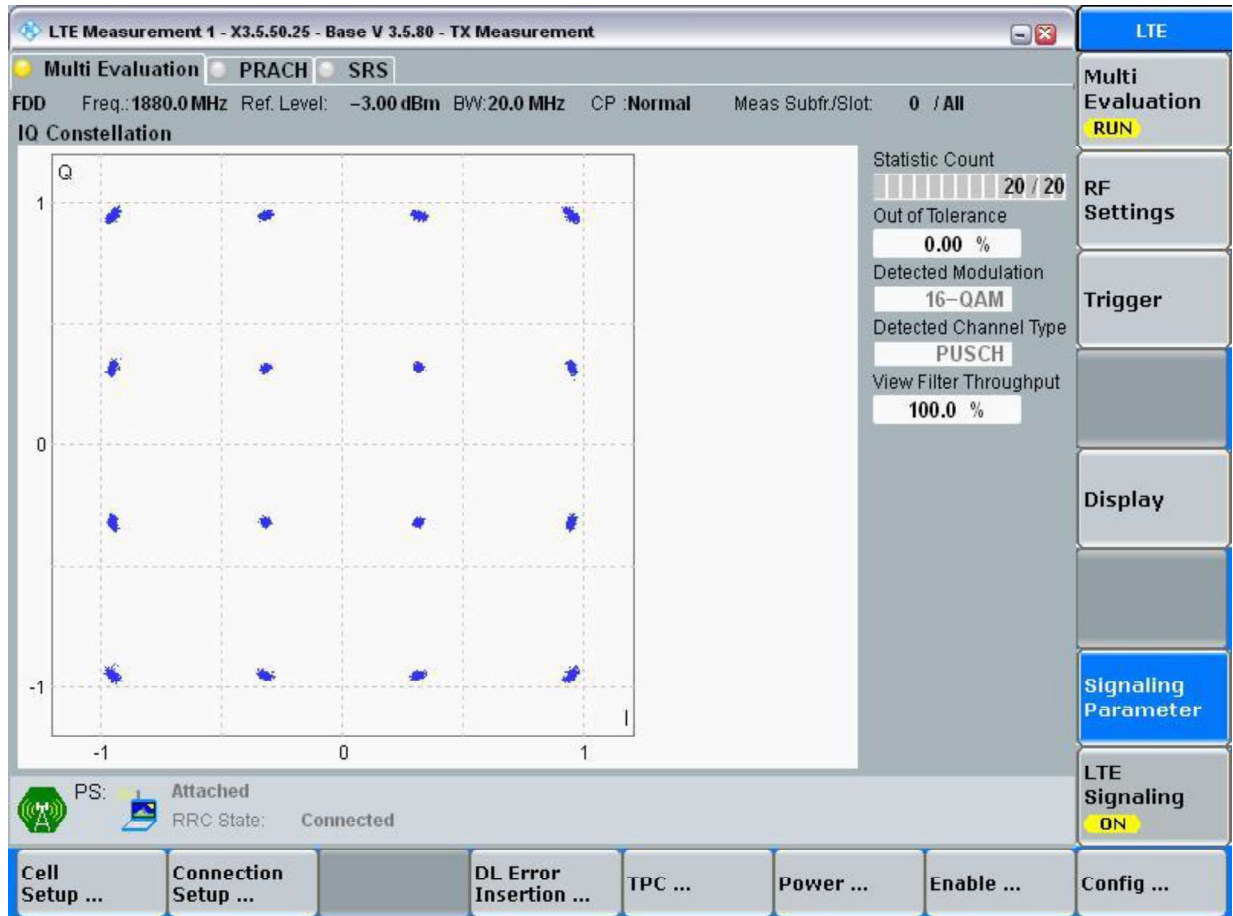
Test RB = RB75#0



Test Bandwidth = 20MHz

Test Channel = MCH

Test RB = RB100#0

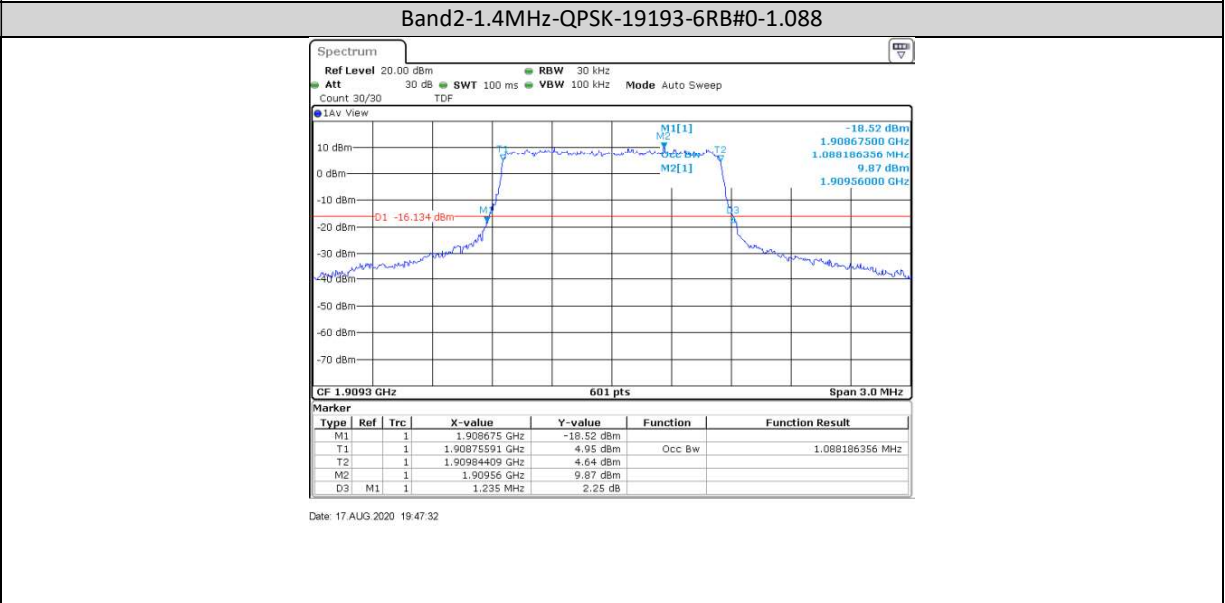
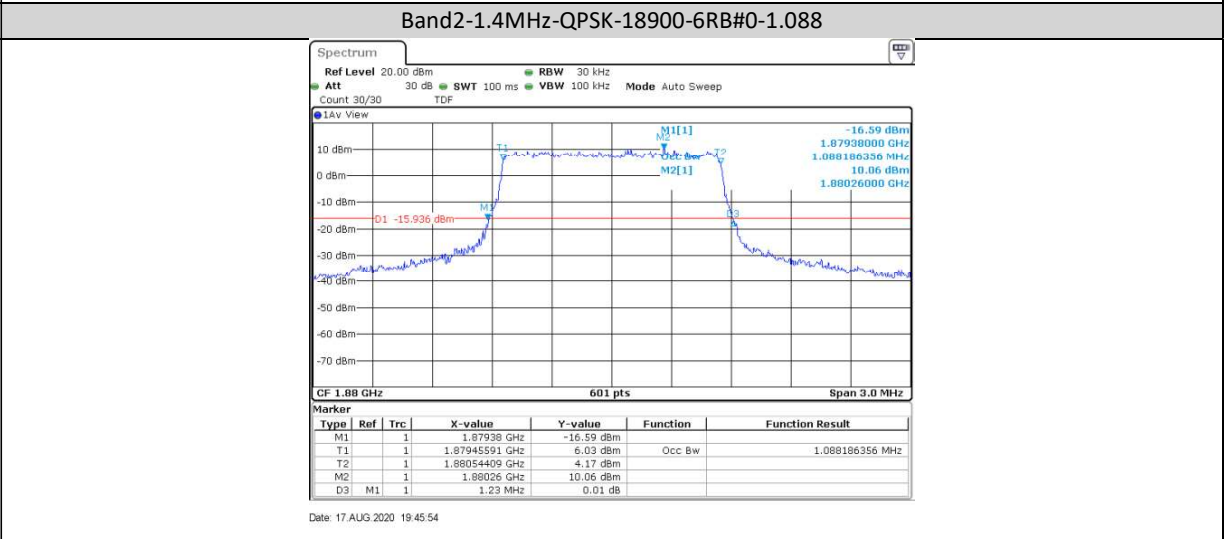
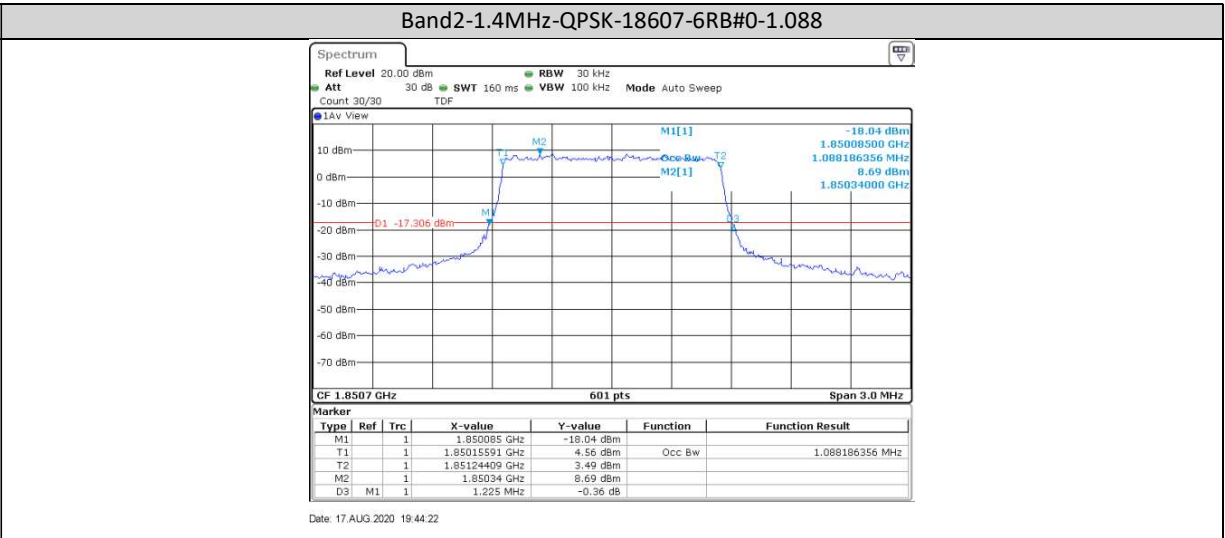


Appendix D: Bandwidth

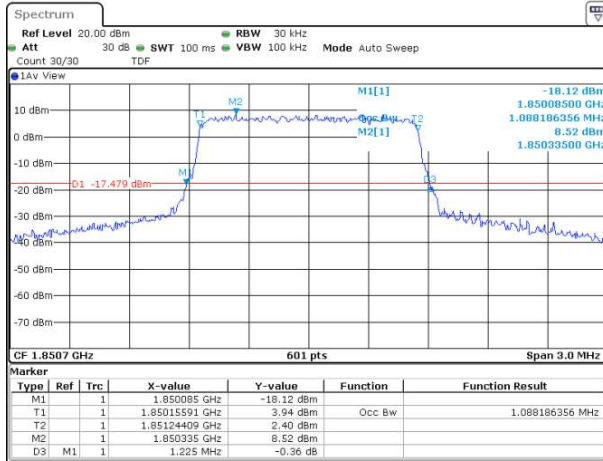
Test Results

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	1.220	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.088	1.225	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.696	2.900	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.705	2.920	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.696	2.870	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.696	2.910	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.696	2.900	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.696	2.920	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.505	4.770	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.496	4.800	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.496	4.780	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.496	4.790	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.496	4.770	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	9.567	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	13.478	14.300	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.478	14.300	PASS
Band2	20MHz	QPSK	18700	100RB#0	18.037	19.333	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	18.037	19.333	PASS

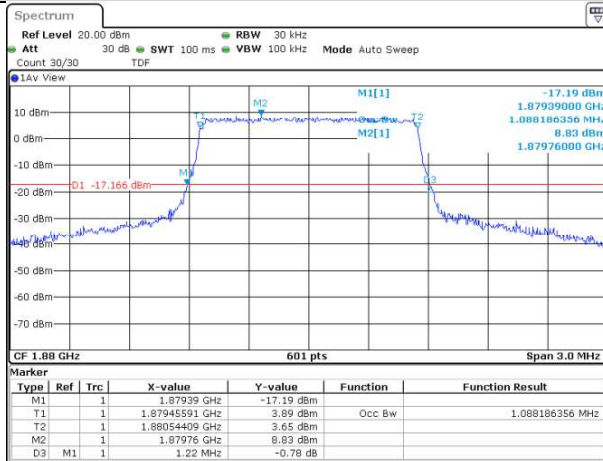
Test Plots



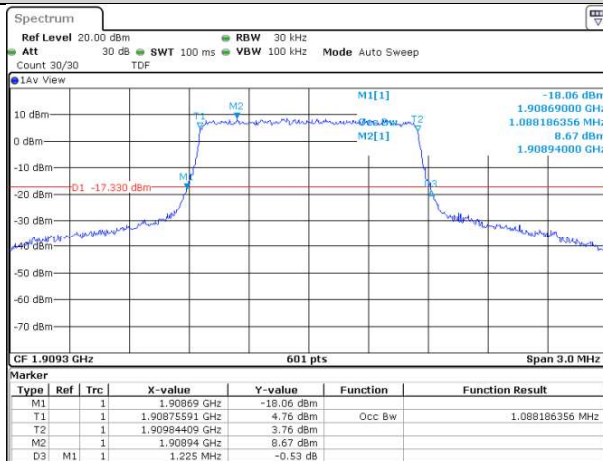
Band2-1.4MHz-16QAM-18607-6RB#0-1.088



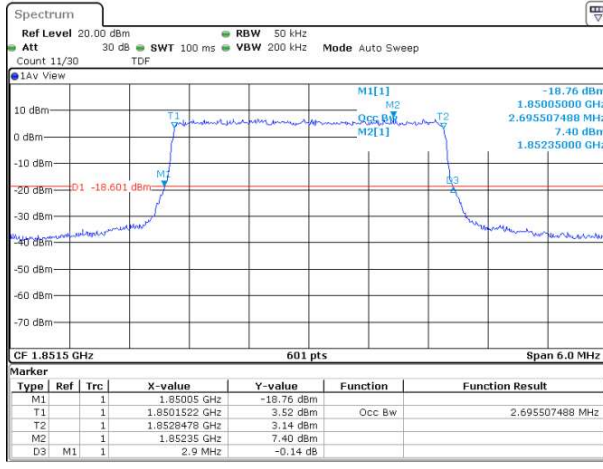
Band2-1.4MHz-16QAM-18900-6RB#0-1.088



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

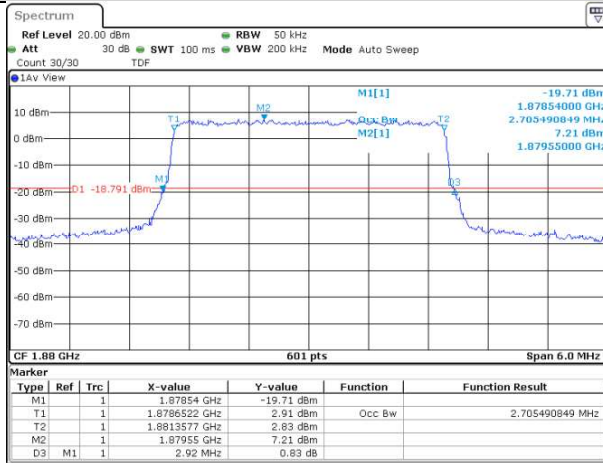


Band2-3MHz-QPSK-18615-15RB#0-2.696



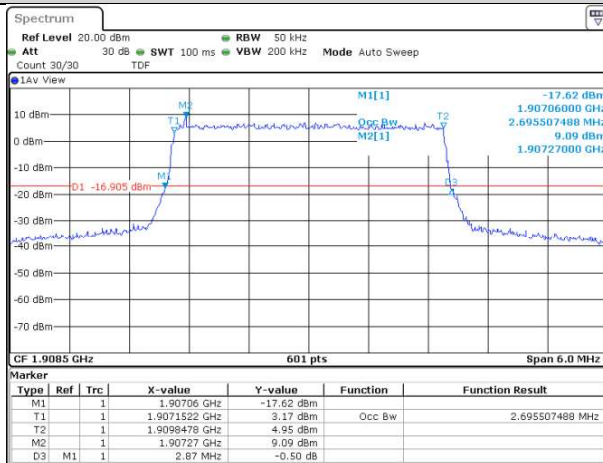
Date: 17.AUG.2020 20:10:13

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



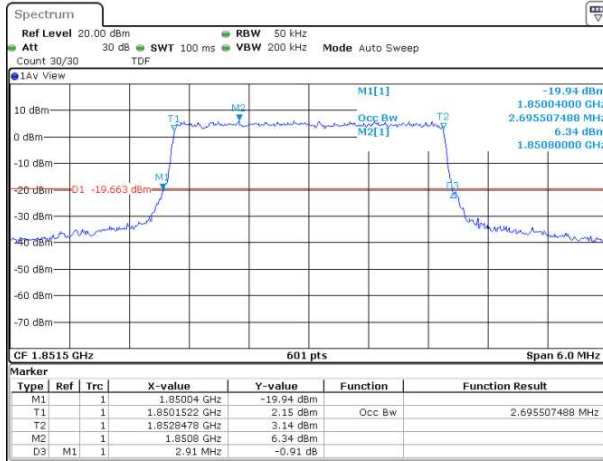
Date: 17.AUG.2020 20:10:38

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



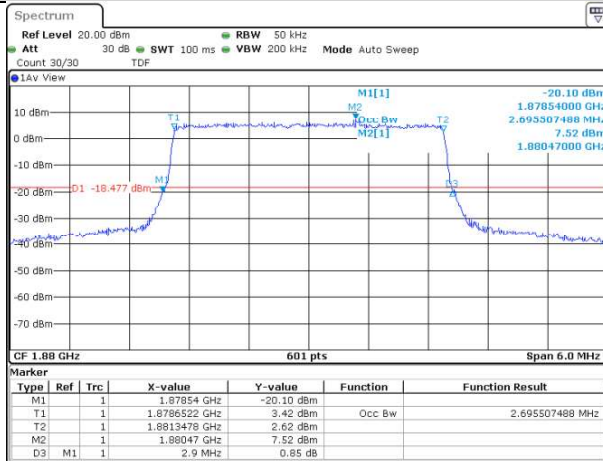
Date: 17.AUG.2020 20:11:02

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



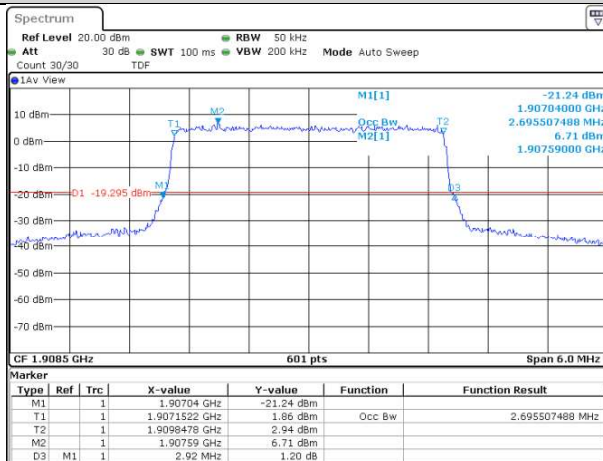
Date: 17.AUG.2020 20:10:24

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



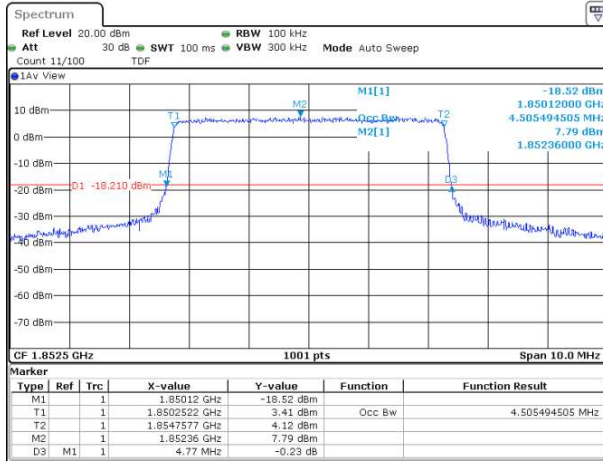
Date: 17.AUG.2020 20:10:49

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



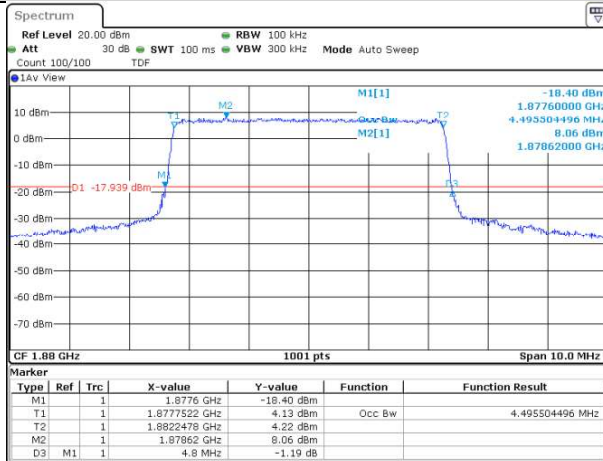
Date: 17.AUG.2020 20:11:14

Band2-5MHz-QPSK-18625-25RB#0-4.505



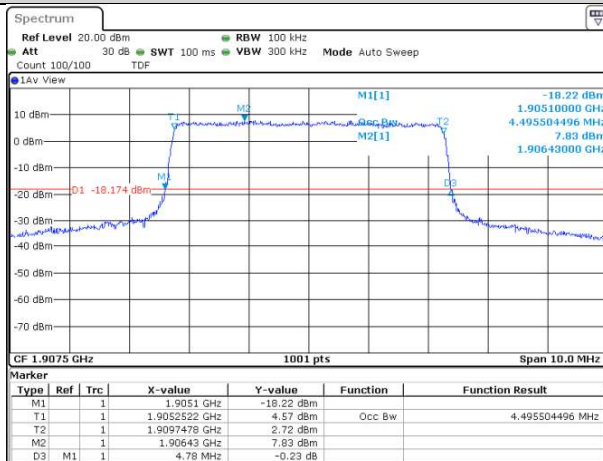
Date: 17.AUG.2020 20:25:31

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



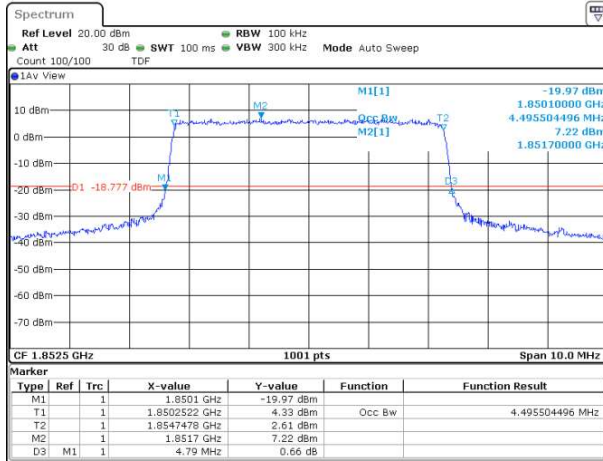
Date: 17.AUG.2020 20:26:09

Band2-5MHz-QPSK-19175-25RB#0-4.496



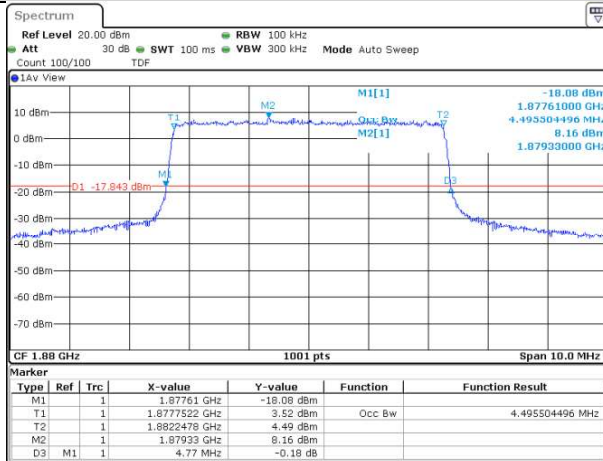
Date: 17.AUG.2020 20:26:48

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



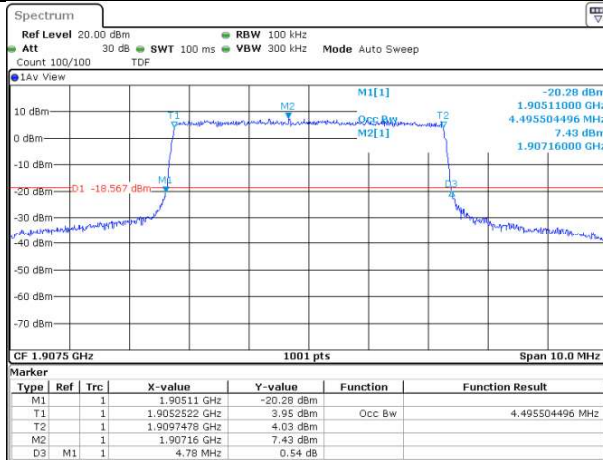
Date: 17.AUG.2020 20:25:49

Band2-5MHz-16QAM-18900-25RB#0-4.496



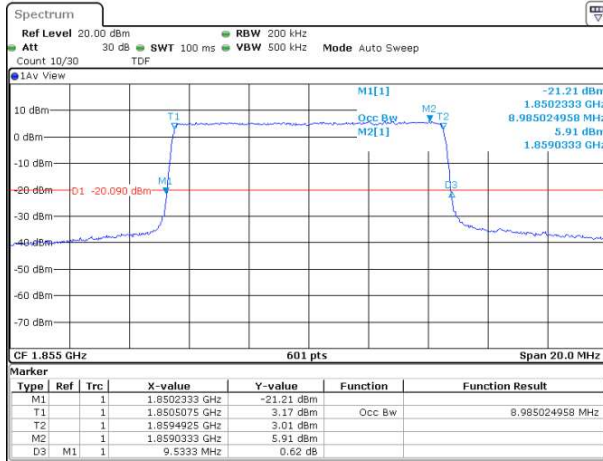
Date: 17.AUG.2020 20:28:28

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



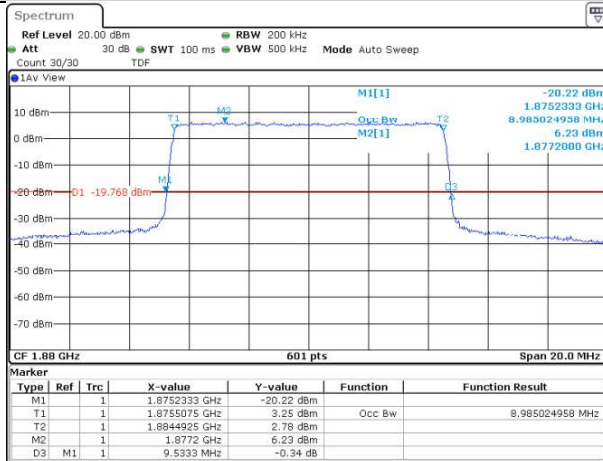
Date: 17.AUG.2020 20:27:07

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



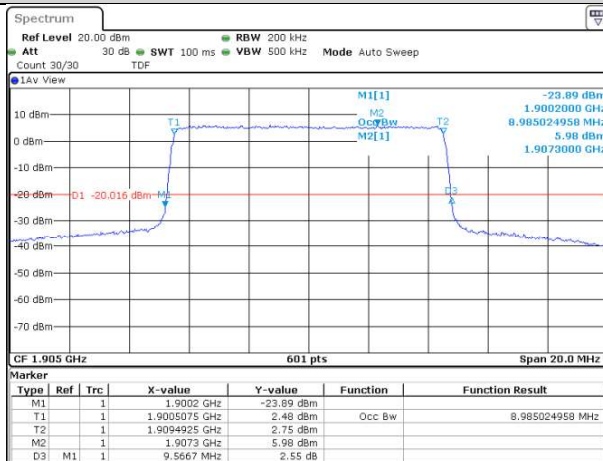
Date: 17.AUG.2020 20:41:38

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



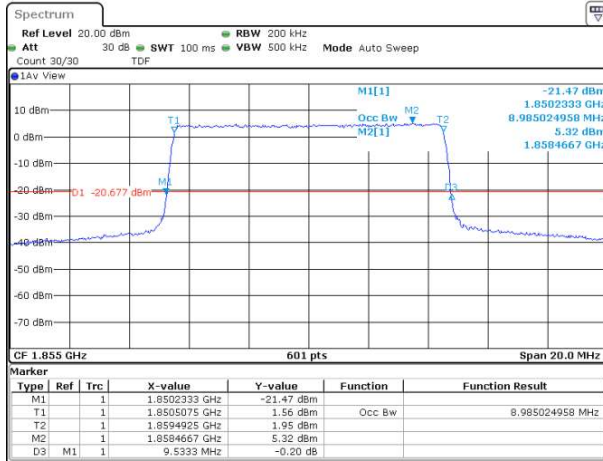
Date: 17.AUG.2020 20:42:03

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



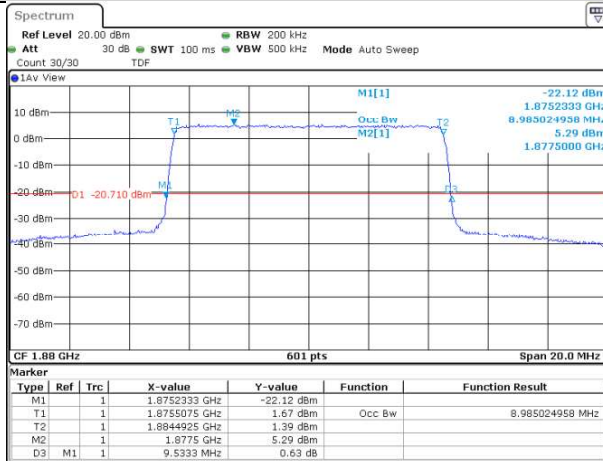
Date: 17.AUG.2020 20:42:28

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



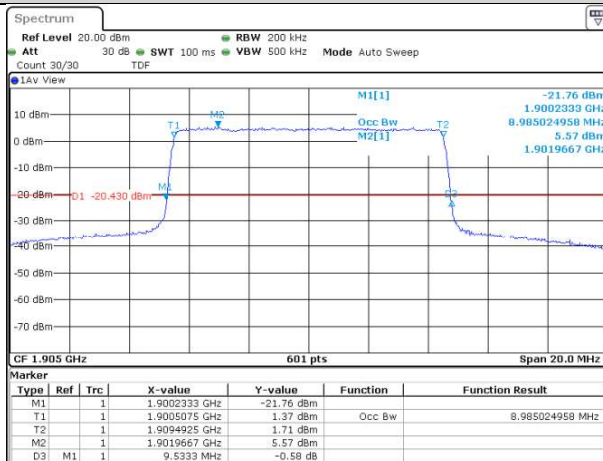
Date: 17.AUG.2020 20:41:49

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



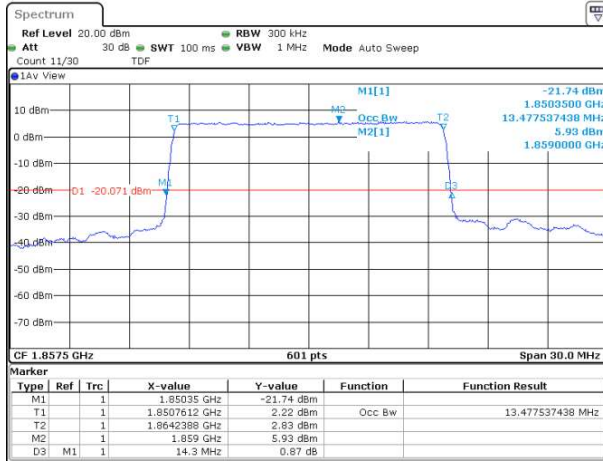
Date: 17.AUG.2020 20:42:15

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



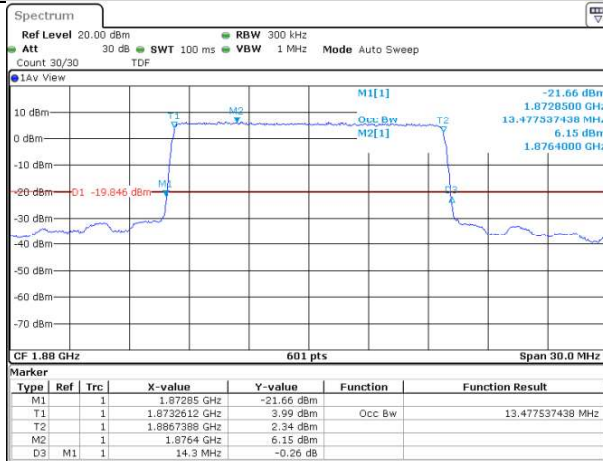
Date: 17.AUG.2020 20:42:39

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



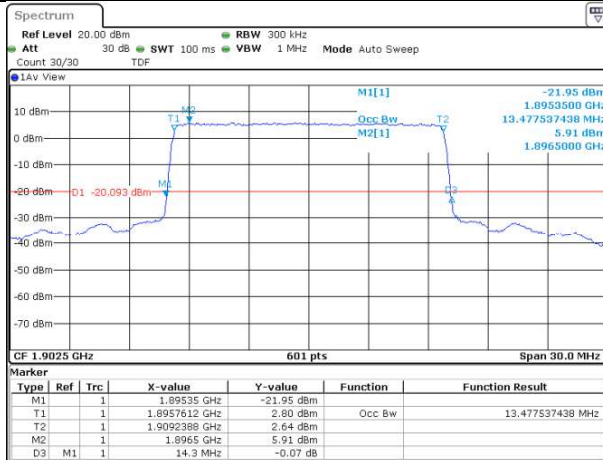
Date: 17.AUG.2020 20:57:33

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



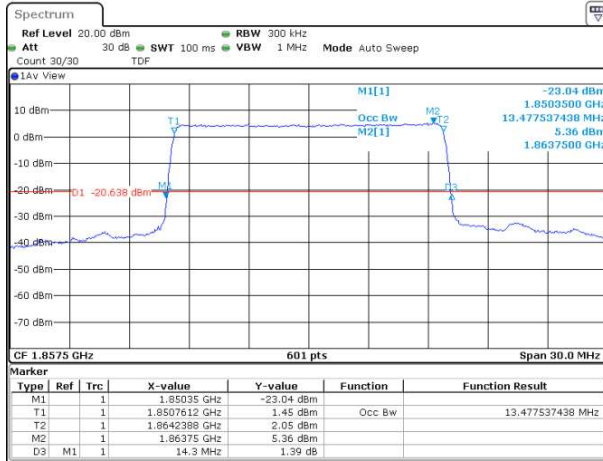
Date: 17.AUG.2020 20:57:58

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



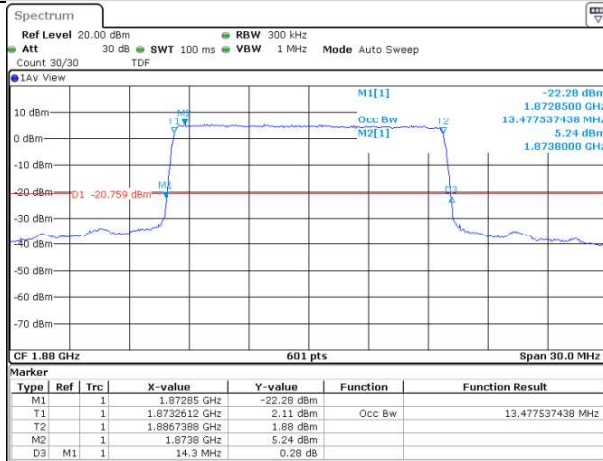
Date: 17.AUG.2020 20:58:23

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



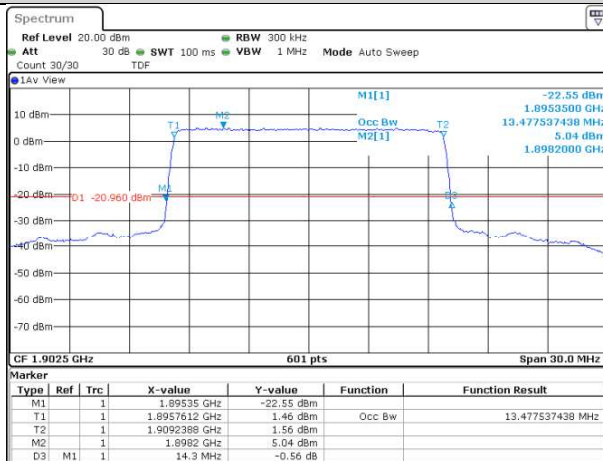
Date: 17.AUG.2020 20:57:45

Band2-15MHz-16QAM-18900-75RB#0-13.478



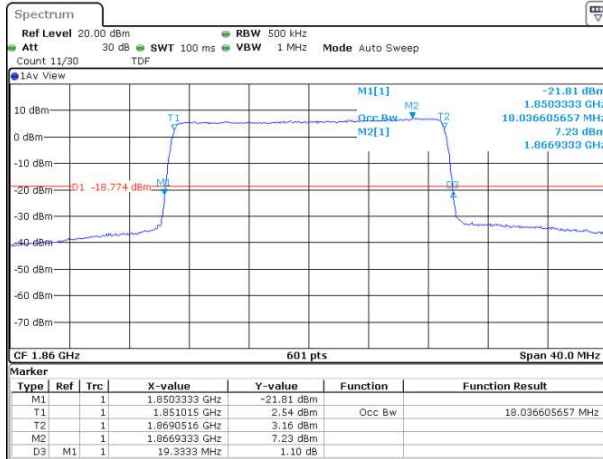
Date: 17.AUG.2020 20:58:10

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



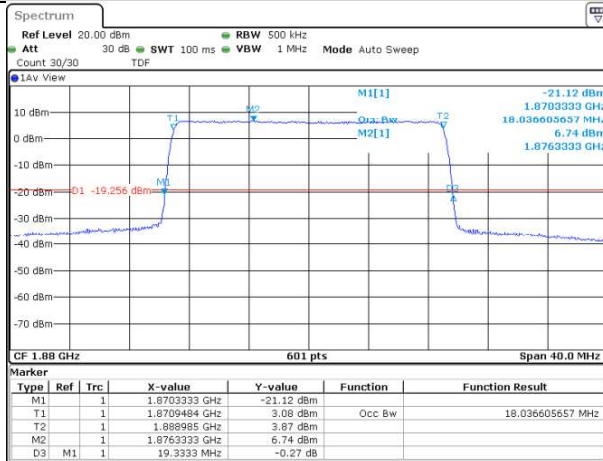
Date: 17.AUG.2020 20:58:35

Band2-20MHz-QPSK-18700-100RB#0-18.037



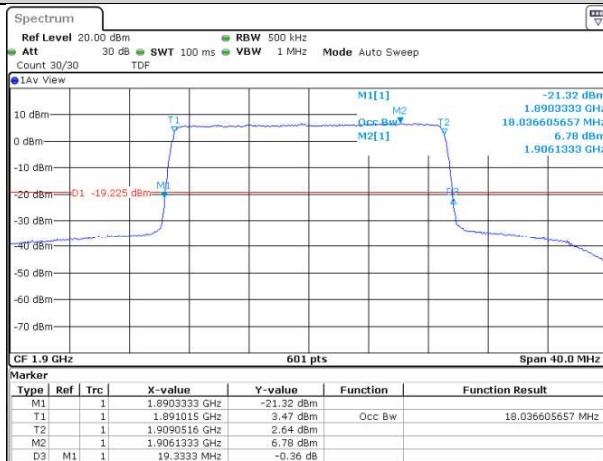
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Band2-20MHz-QPSK-18900-100RB#0-18.037



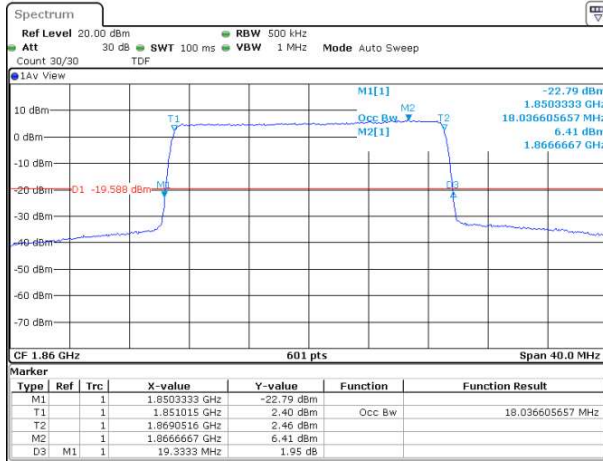
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Band2-20MHz-QPSK-19100-100RB#0-18.037



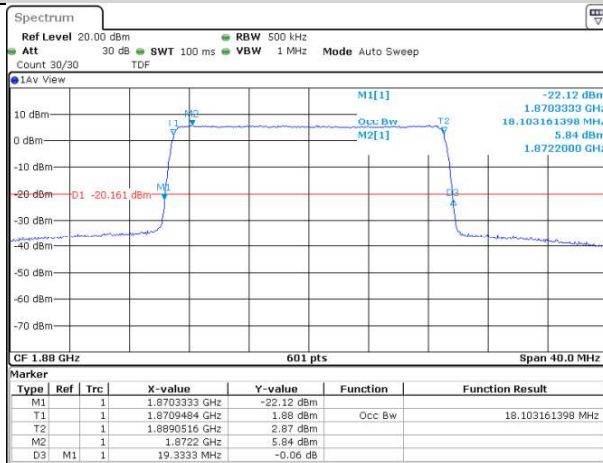
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Band2-20MHz-16QAM-18700-100RB#0-18.037



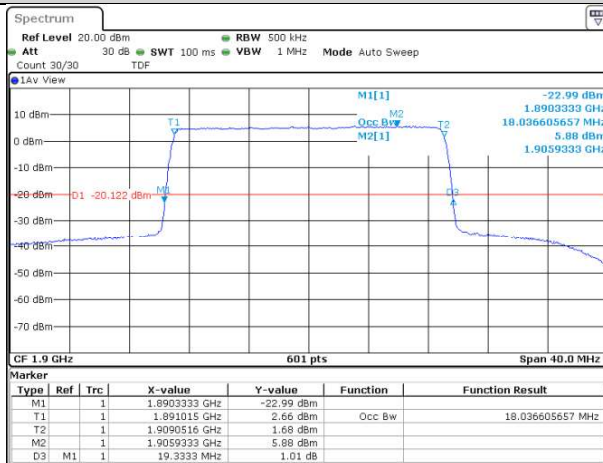
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Band2-20MHz-16QAM-18900-100RB#0-18.103



Date: 17.AUG.2020 21:14:43

Band2-20MHz-16QAM-19100-100RB#0-18.037



Date: 17.AUG.2020 21:15:08

Appendix E: Band Edges Compliance

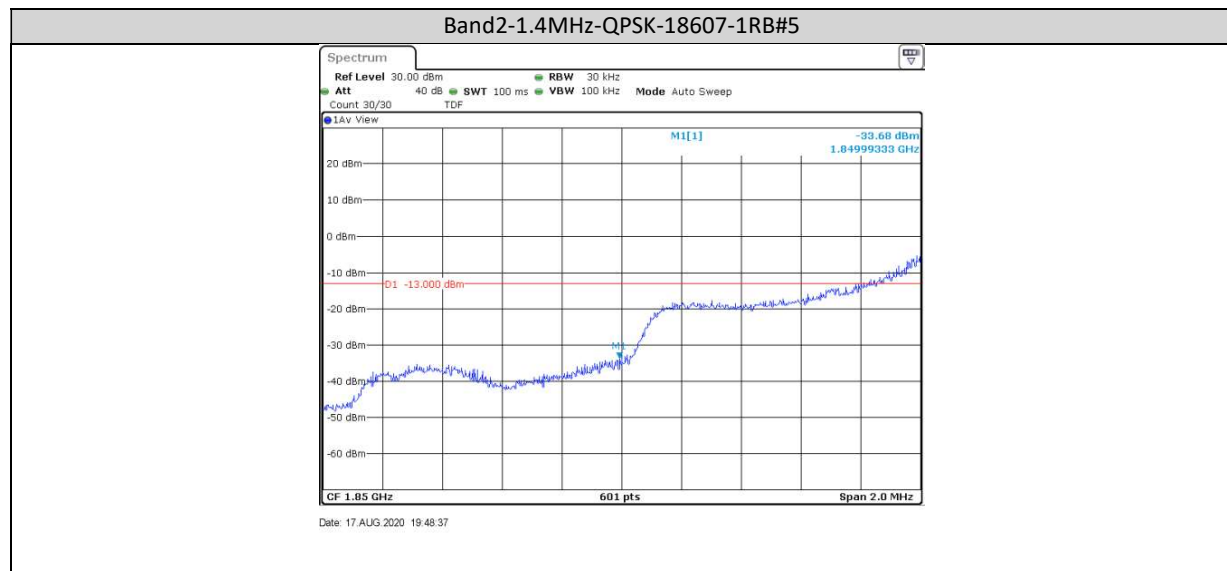
Test Plots

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#5	-33.68	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	-20.52	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-26.33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	-33.30	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-21.80	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-26.76	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-21.72	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	-35.14	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-27.90	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-23.30	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	-33.58	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-26.66	PASS
Band2	3MHz	QPSK	18615	1RB#0	-13.88	PASS
Band2	3MHz	QPSK	18615	1RB#14	-27.86	PASS
Band2	3MHz	QPSK	18615	15RB#0	-24.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	-27.90	PASS
Band2	3MHz	QPSK	19185	1RB#14	-13.96	PASS
Band2	3MHz	QPSK	19185	15RB#0	-23.44	PASS
Band2	3MHz	16QAM	18615	1RB#0	-13.40	PASS
Band2	3MHz	16QAM	18615	1RB#14	-28.10	PASS
Band2	3MHz	16QAM	18615	15RB#0	-22.54	PASS
Band2	3MHz	16QAM	19185	1RB#0	-27.46	PASS
Band2	3MHz	16QAM	19185	1RB#14	-15.11	PASS
Band2	3MHz	16QAM	19185	15RB#0	-24.19	PASS
Band2	5MHz	QPSK	18625	1RB#24	-35.21	PASS
Band2	5MHz	QPSK	18625	1RB#0	-17.91	PASS
Band2	5MHz	QPSK	18625	25RB#0	-27.47	PASS
Band2	5MHz	QPSK	19175	1RB#0	-34.63	PASS
Band2	5MHz	QPSK	19175	1RB#24	-17.87	PASS
Band2	5MHz	QPSK	19175	25RB#0	-26.62	PASS
Band2	5MHz	16QAM	18625	1RB#0	-20.39	PASS
Band2	5MHz	16QAM	18625	1RB#24	-34.98	PASS
Band2	5MHz	16QAM	18625	25RB#0	-28.21	PASS
Band2	5MHz	16QAM	19175	1RB#24	-17.55	PASS
Band2	5MHz	16QAM	19175	1RB#0	-35.57	PASS
Band2	5MHz	16QAM	19175	25RB#0	-27.65	PASS
Band2	10MHz	QPSK	18650	1RB#0	-22.77	PASS
Band2	10MHz	QPSK	18650	1RB#49	-38.31	PASS
Band2	10MHz	QPSK	18650	50RB#0	-32.45	PASS
Band2	10MHz	QPSK	19150	1RB#0	-37.96	PASS
Band2	10MHz	QPSK	19150	1RB#49	-23.82	PASS
Band2	10MHz	QPSK	19150	50RB#0	-30.26	PASS
Band2	10MHz	16QAM	18650	1RB#0	-24.92	PASS
Band2	10MHz	16QAM	18650	1RB#49	-39.07	PASS

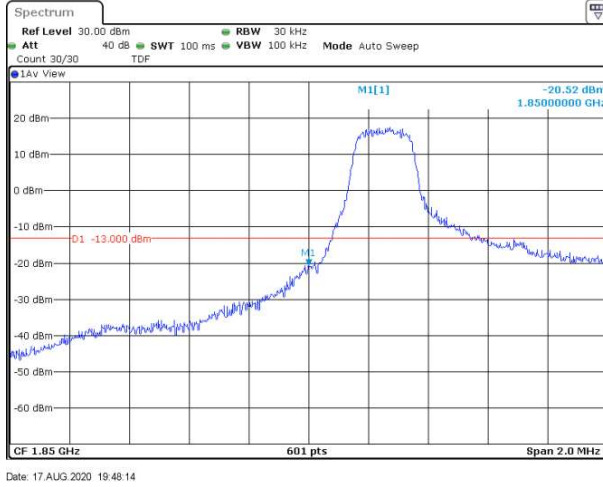
Total Quality. Assured.

Band2	10MHz	16QAM	18650	50RB#0	-31.94	PASS
Band2	10MHz	16QAM	19150	1RB#0	-39.11	PASS
Band2	10MHz	16QAM	19150	1RB#49	-25.08	PASS
Band2	10MHz	16QAM	19150	50RB#0	-30.90	PASS
Band2	15MHz	QPSK	18675	1RB#74	-39.32	PASS
Band2	15MHz	QPSK	18675	1RB#0	-25.41	PASS
Band2	15MHz	QPSK	18675	75RB#0	-32.53	PASS
Band2	15MHz	QPSK	19125	1RB#0	-39.76	PASS
Band2	15MHz	QPSK	19125	1RB#74	-25.03	PASS
Band2	15MHz	QPSK	19125	75RB#0	-30.07	PASS
Band2	15MHz	16QAM	18675	1RB#0	-26.34	PASS
Band2	15MHz	16QAM	18675	1RB#74	-39.53	PASS
Band2	15MHz	16QAM	18675	75RB#0	-33.59	PASS
Band2	15MHz	16QAM	19125	1RB#0	-40.04	PASS
Band2	15MHz	16QAM	19125	1RB#74	-25.95	PASS
Band2	15MHz	16QAM	19125	75RB#0	-31.70	PASS
Band2	20MHz	QPSK	18700	1RB#0	-24.99	PASS
Band2	20MHz	QPSK	18700	1RB#99	-38.73	PASS
Band2	20MHz	QPSK	18700	100RB#0	-32.48	PASS
Band2	20MHz	QPSK	19100	1RB#0	-38.49	PASS
Band2	20MHz	QPSK	19100	1RB#99	-24.28	PASS
Band2	20MHz	QPSK	19100	100RB#0	-31.24	PASS
Band2	20MHz	16QAM	18700	1RB#0	-25.20	PASS
Band2	20MHz	16QAM	18700	1RB#99	-38.84	PASS
Band2	20MHz	16QAM	18700	100RB#0	-32.55	PASS
Band2	20MHz	16QAM	19100	1RB#0	-38.67	PASS
Band2	20MHz	16QAM	19100	1RB#99	-25.12	PASS
Band2	20MHz	16QAM	19100	100RB#0	-32.18	PASS

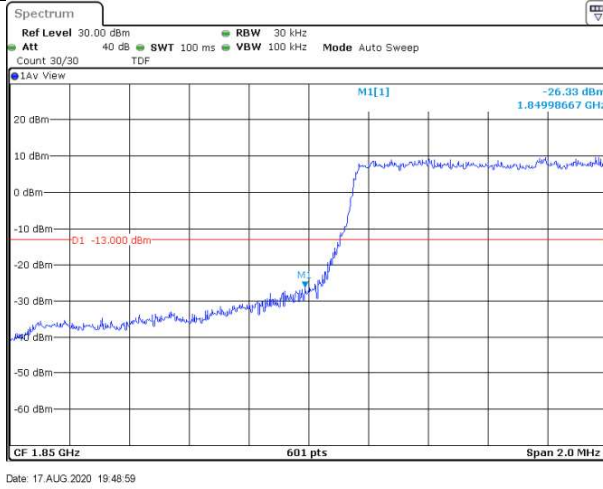
Test Graphs



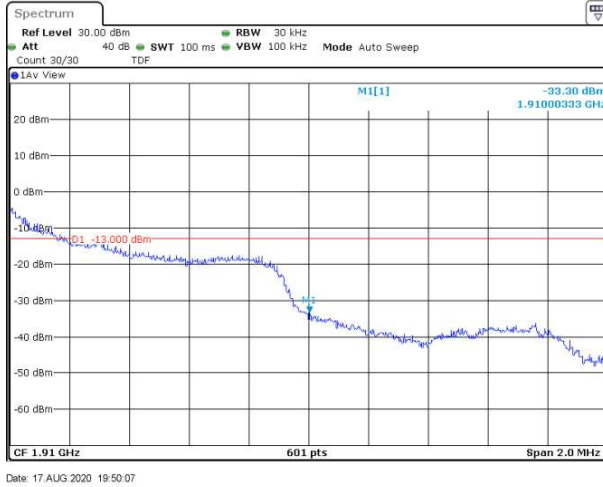
Band2-1.4MHz-QPSK-18607-1RB#0



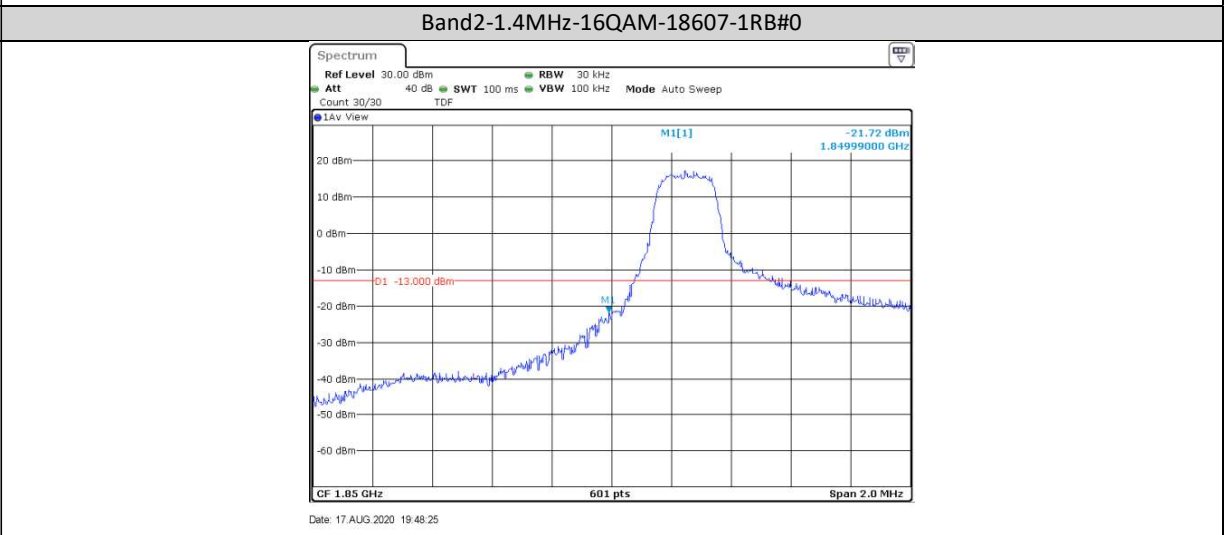
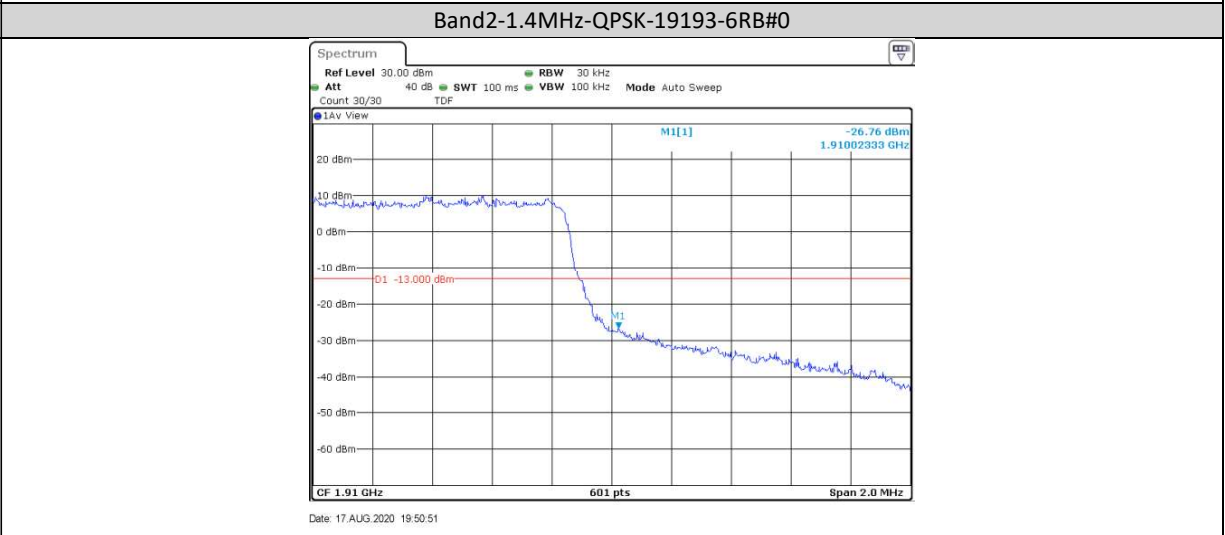
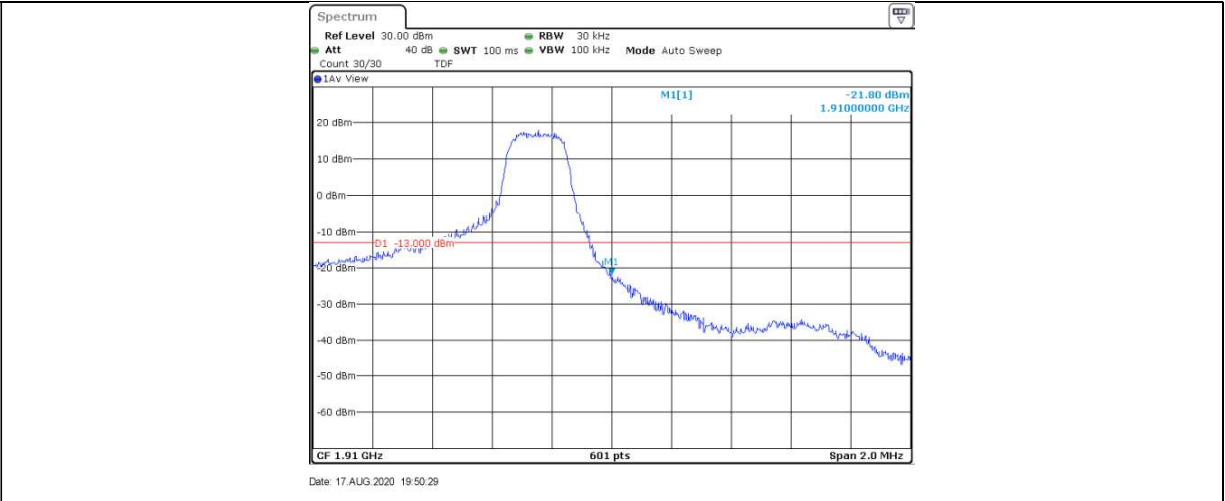
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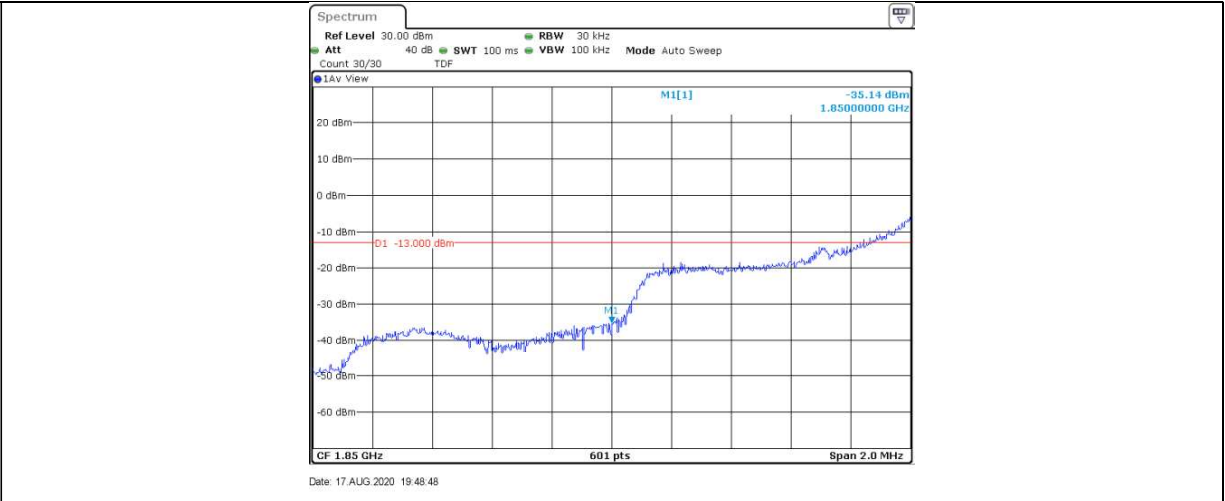


Band2-1.4MHz-QPSK-19193-1RB#0

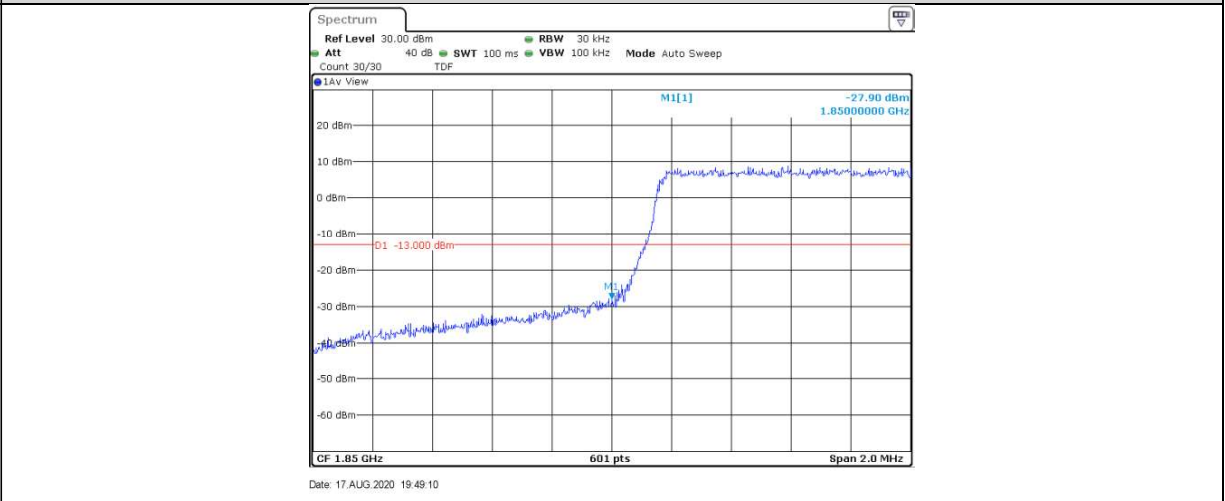


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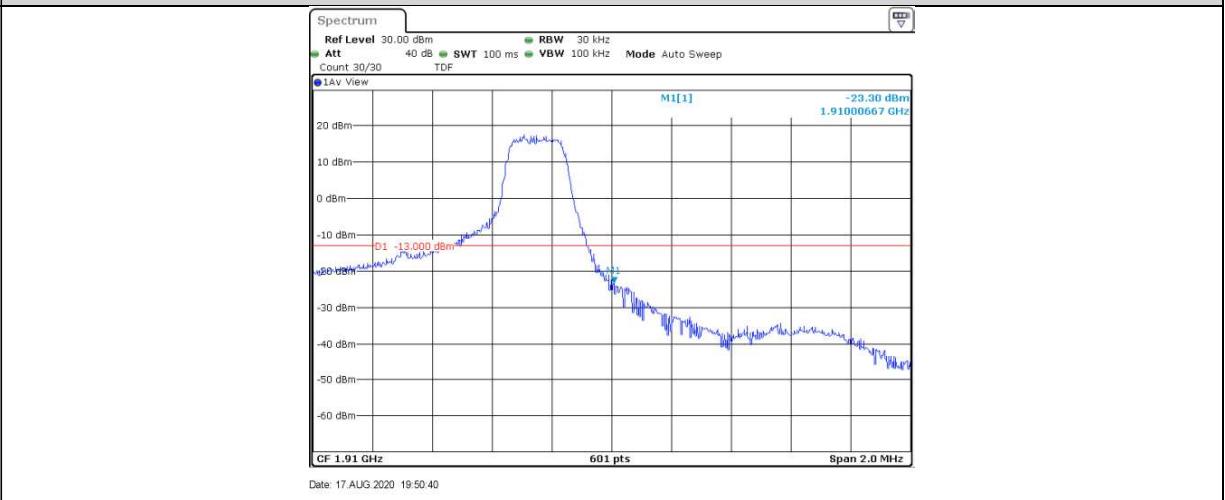




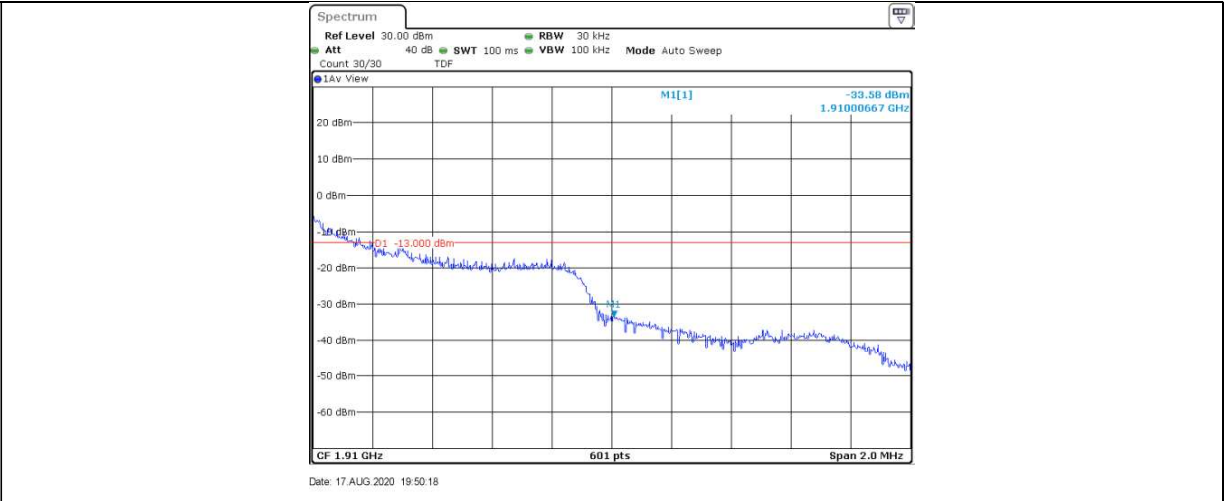
Band2-1.4MHz-16QAM-18607-6RB#0



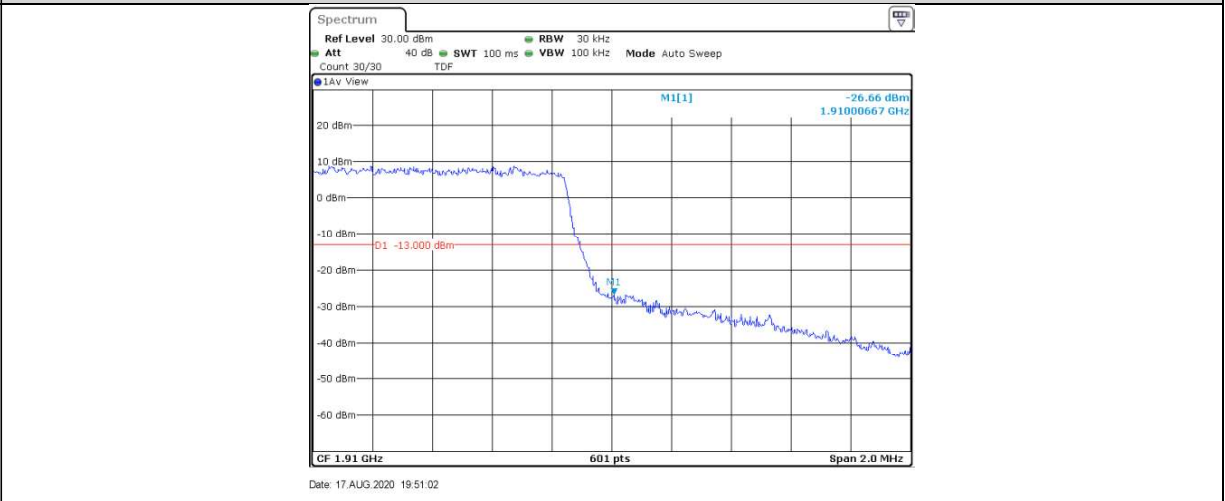
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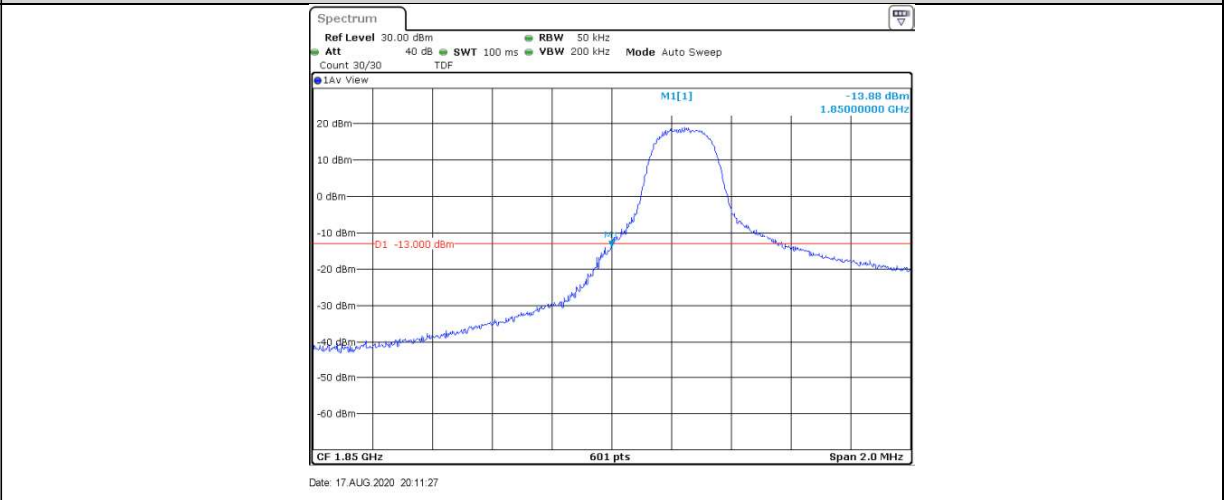
Band2-1.4MHz-16QAM-19193-1RB#0



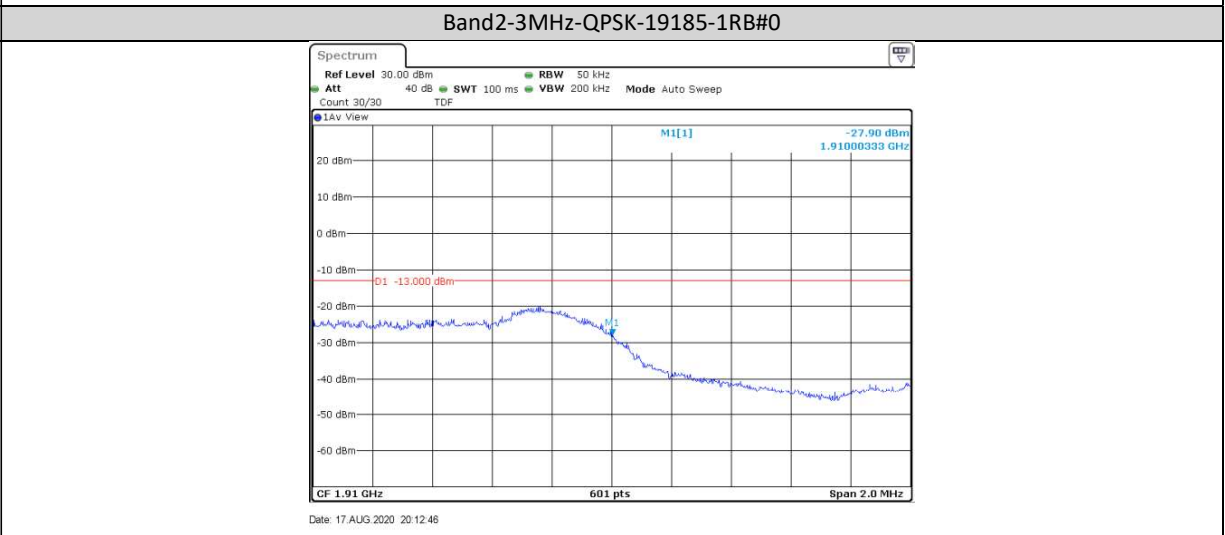
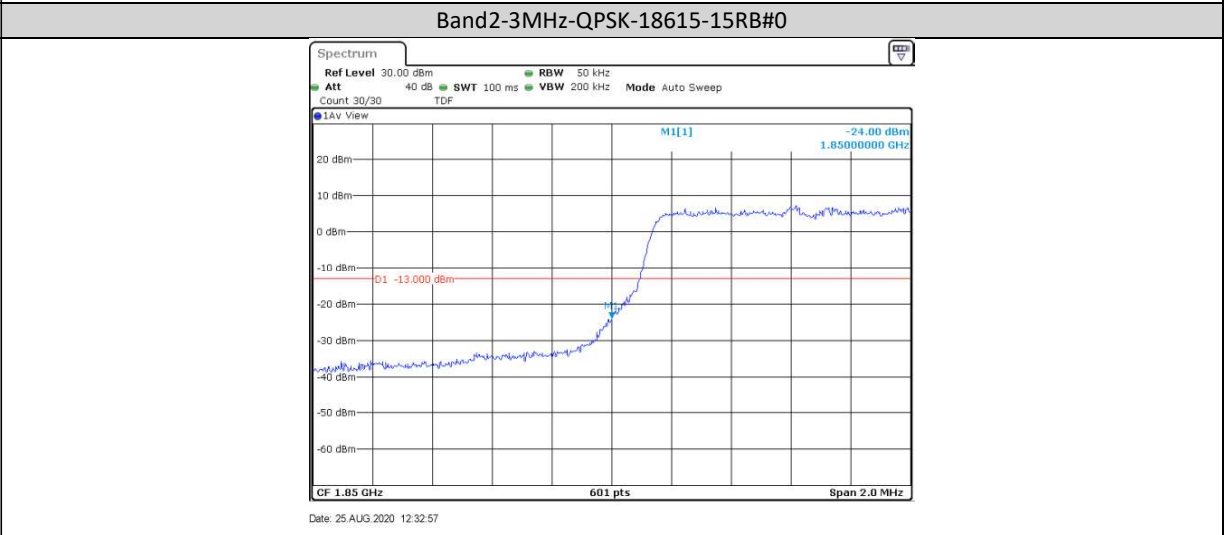
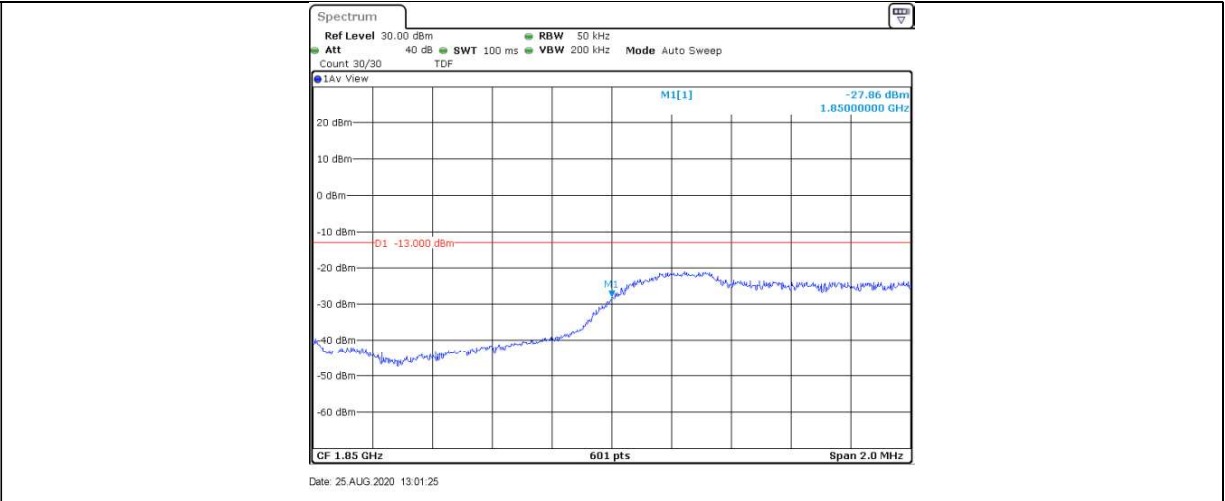
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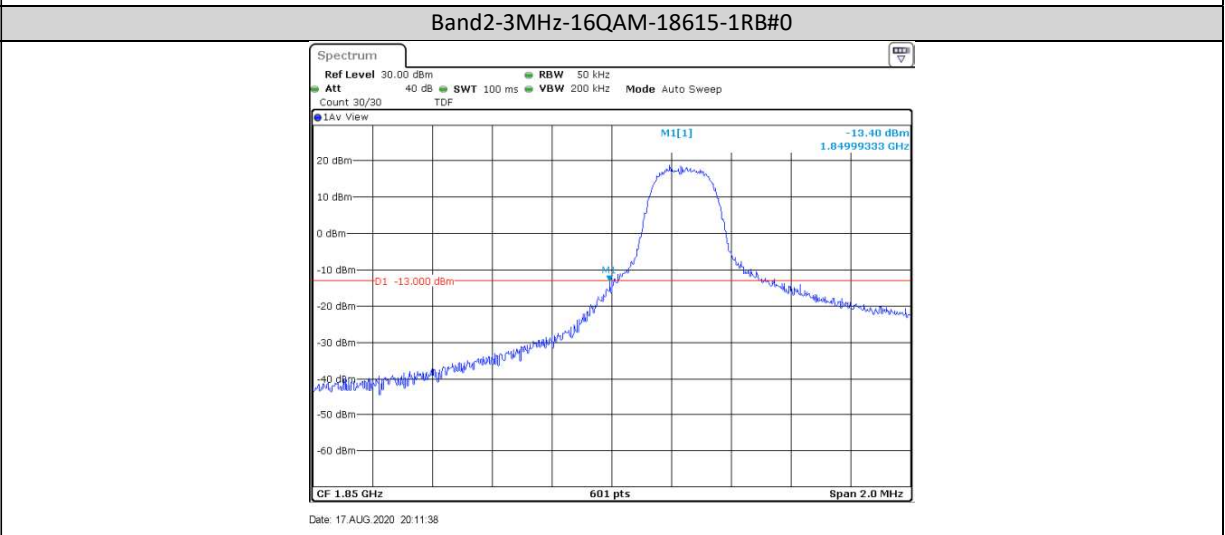
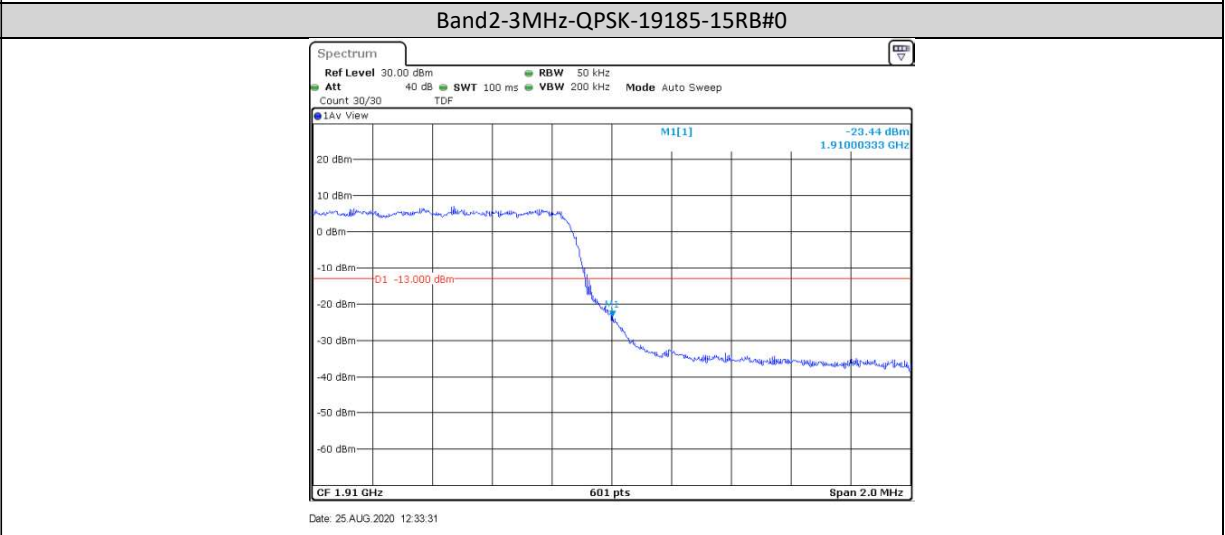
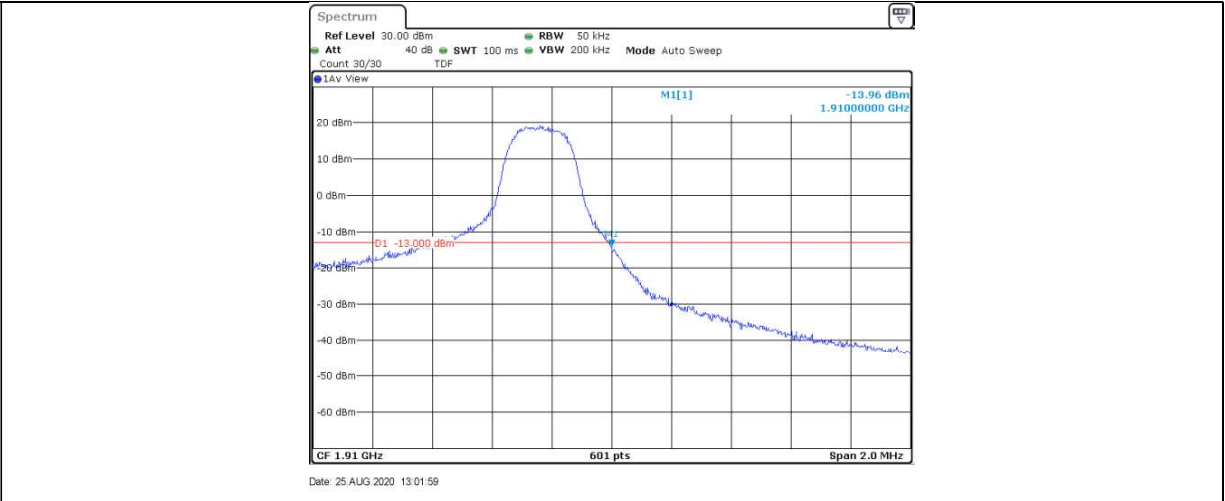


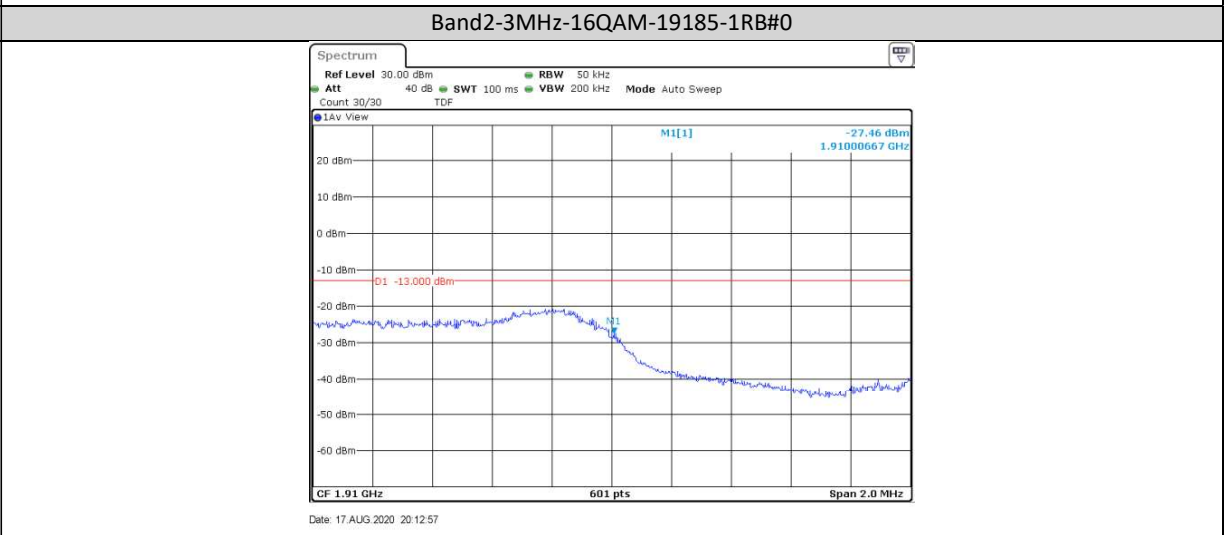
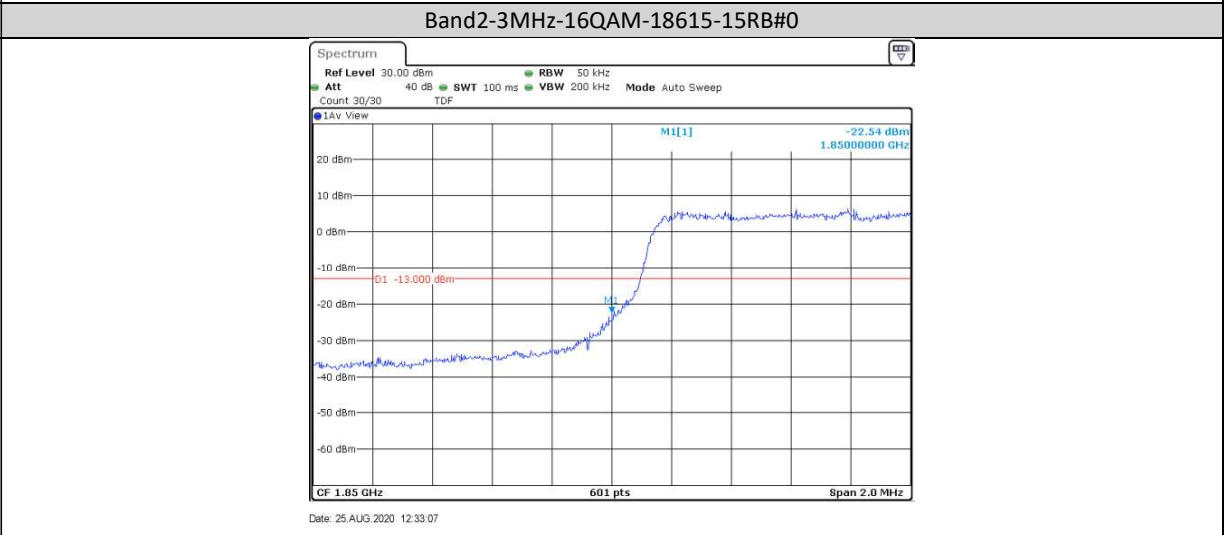
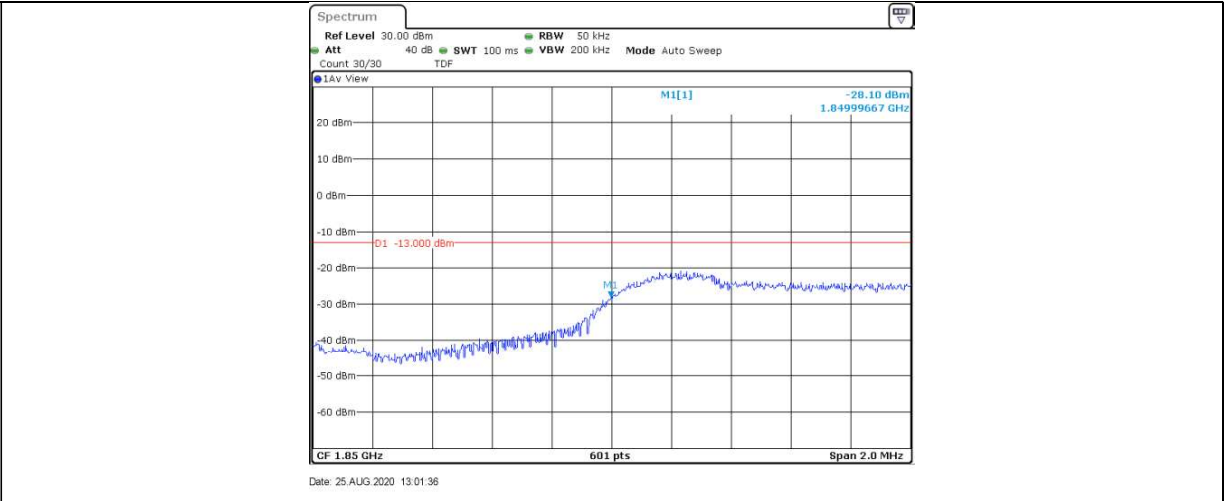
Band2-3MHz-QPSK-18615-1RB#0



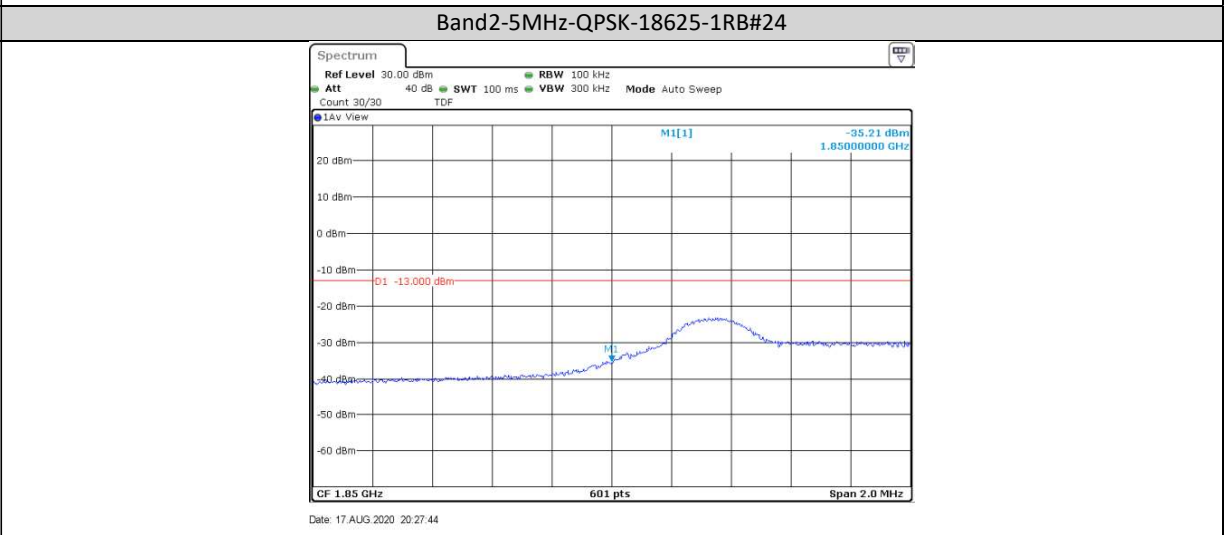
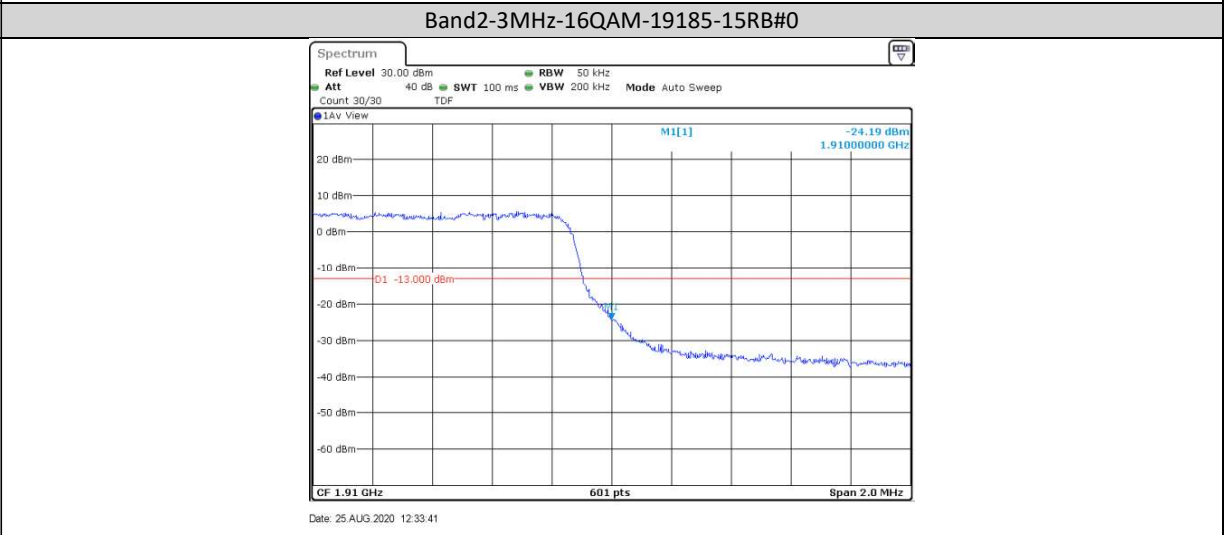
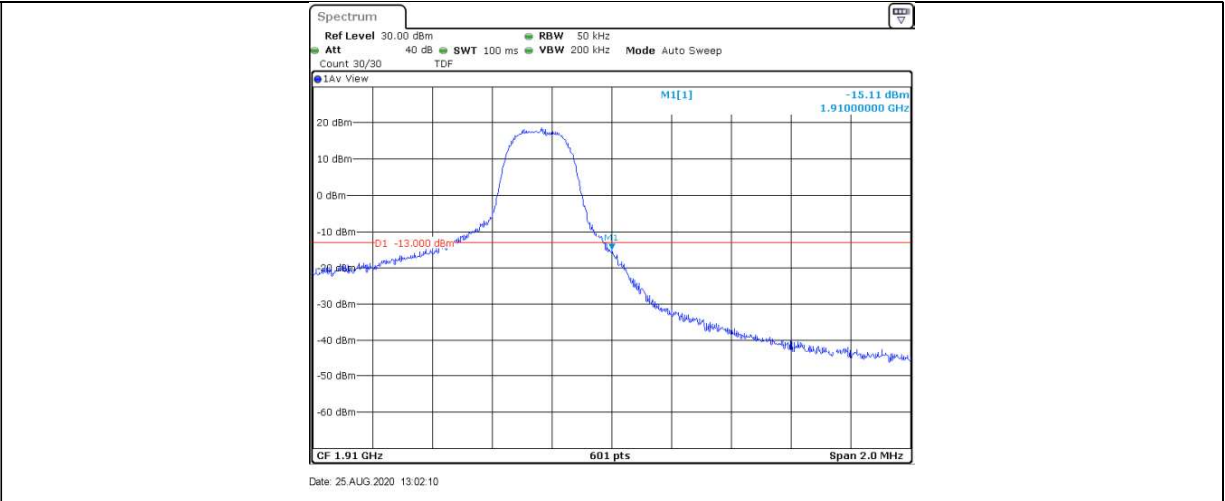
Band2-3MHz-QPSK-18615-1RB#14





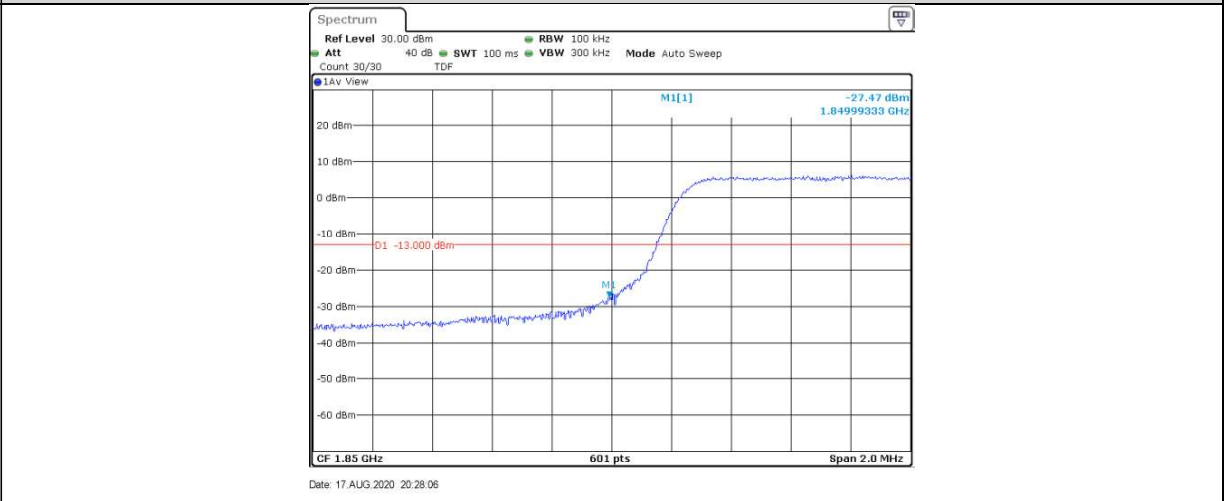


Band2-3MHz-16QAM-19185-1RB#14

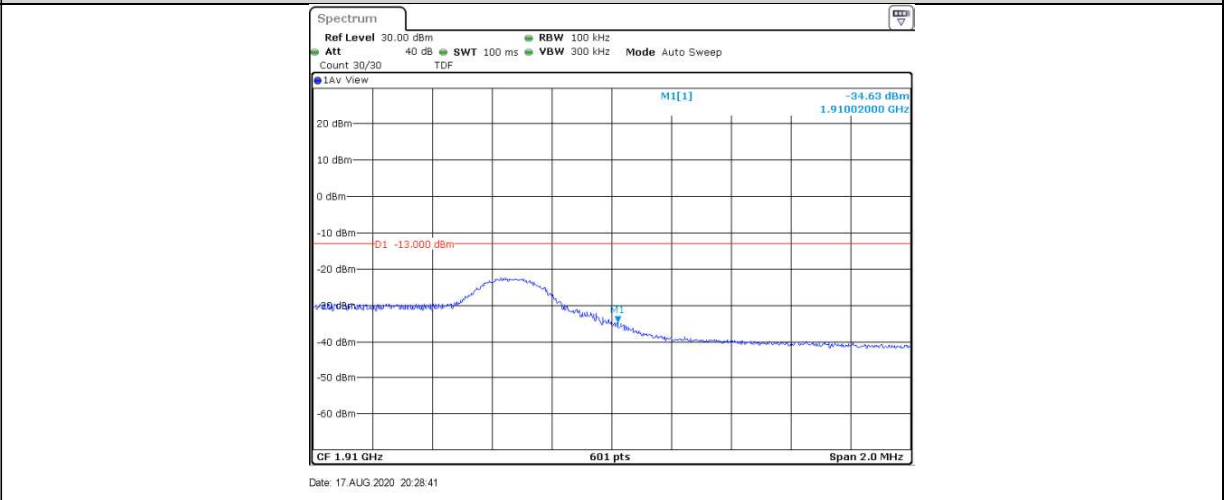




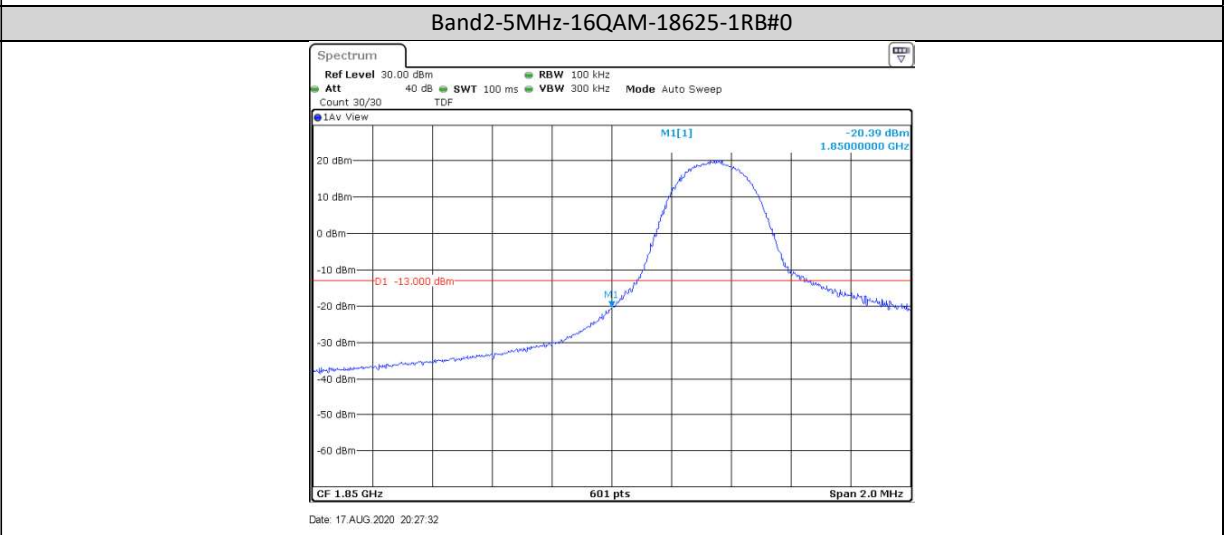
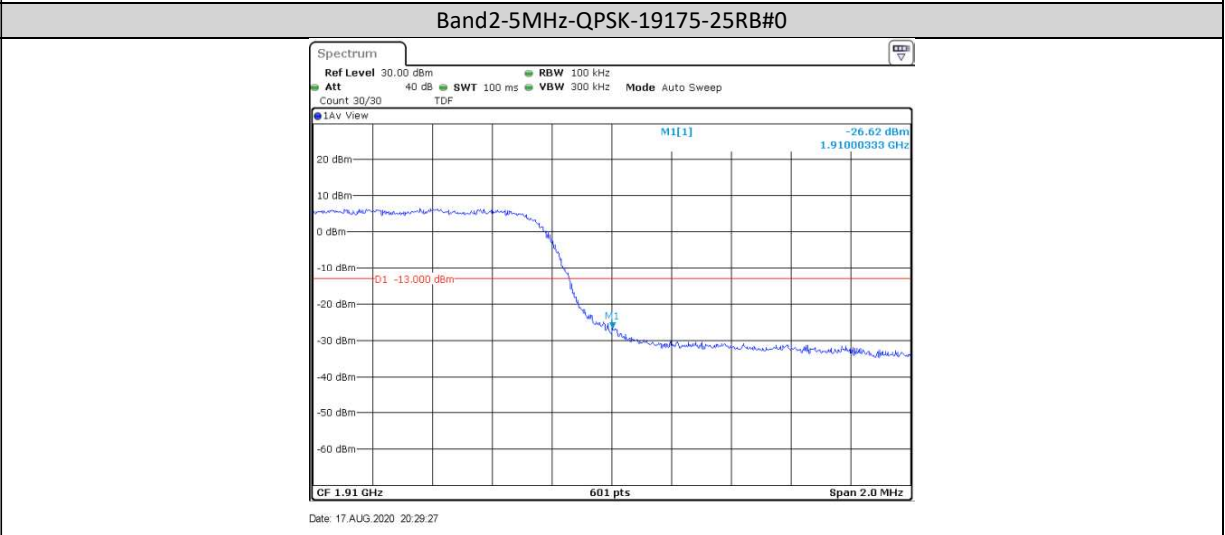
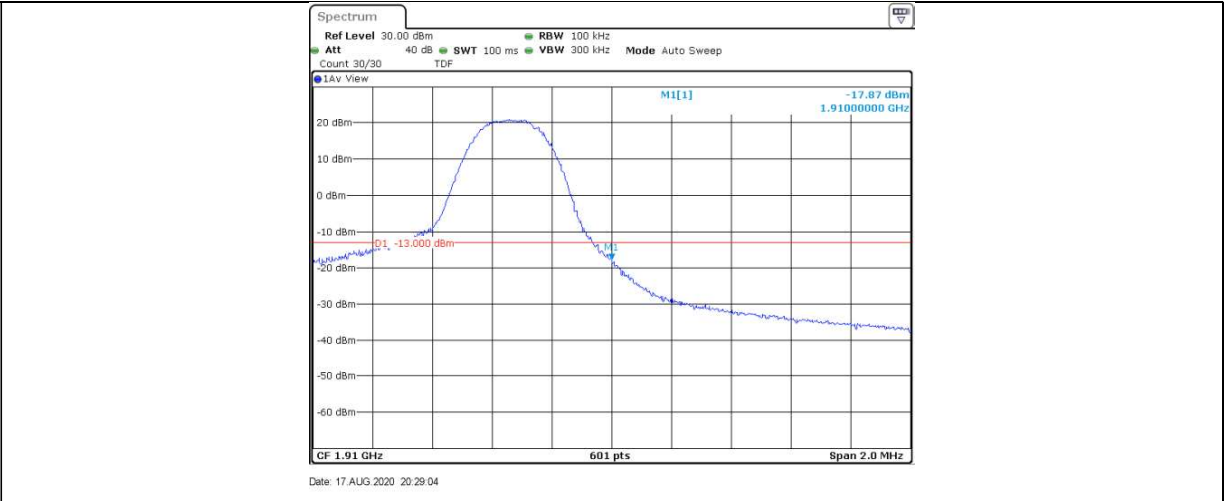
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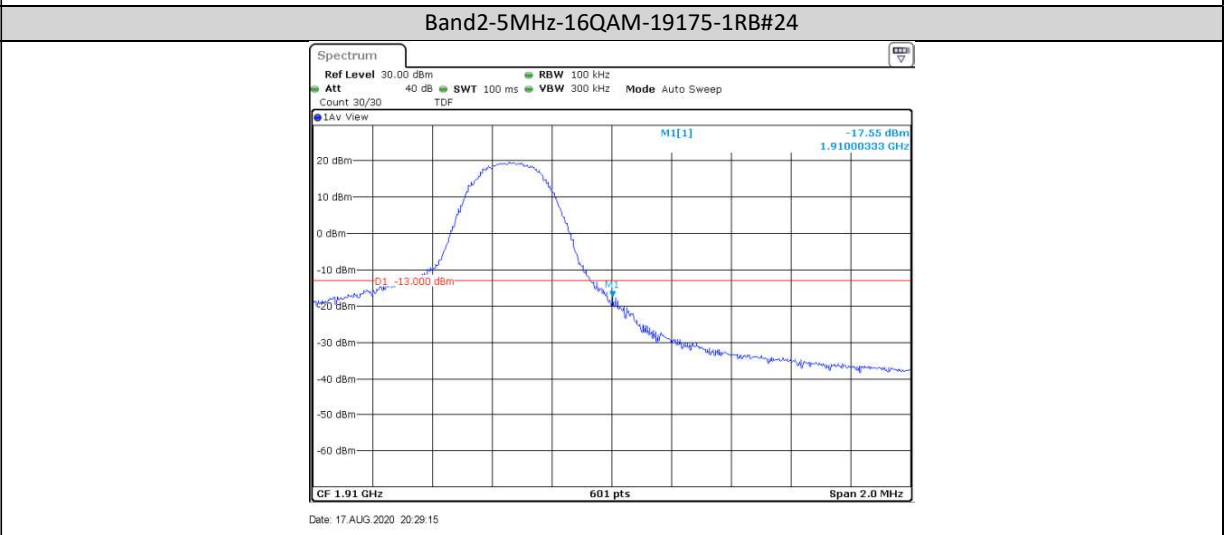
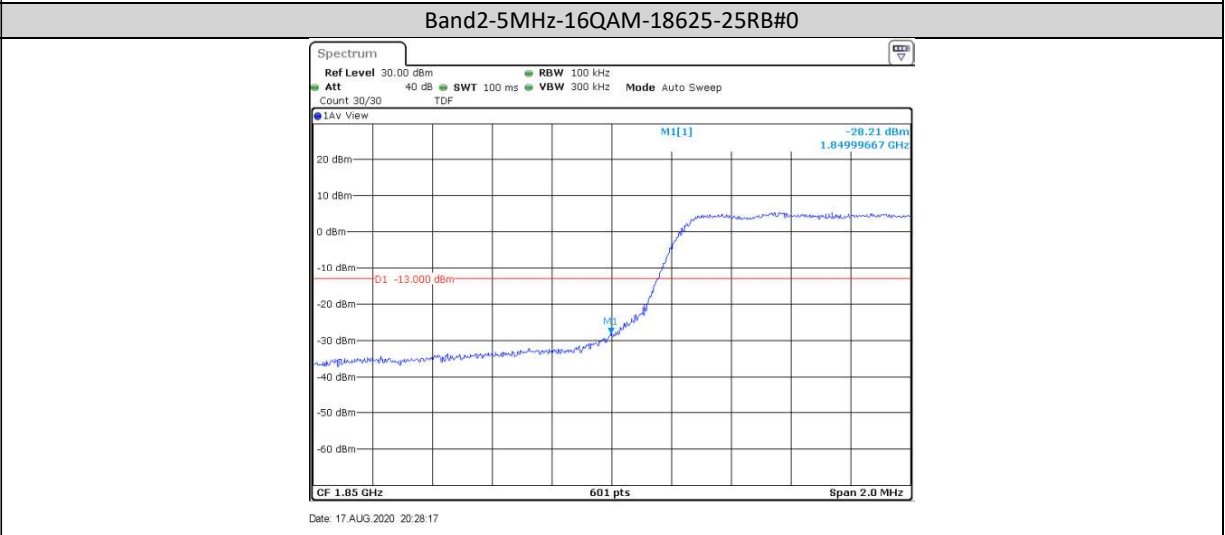
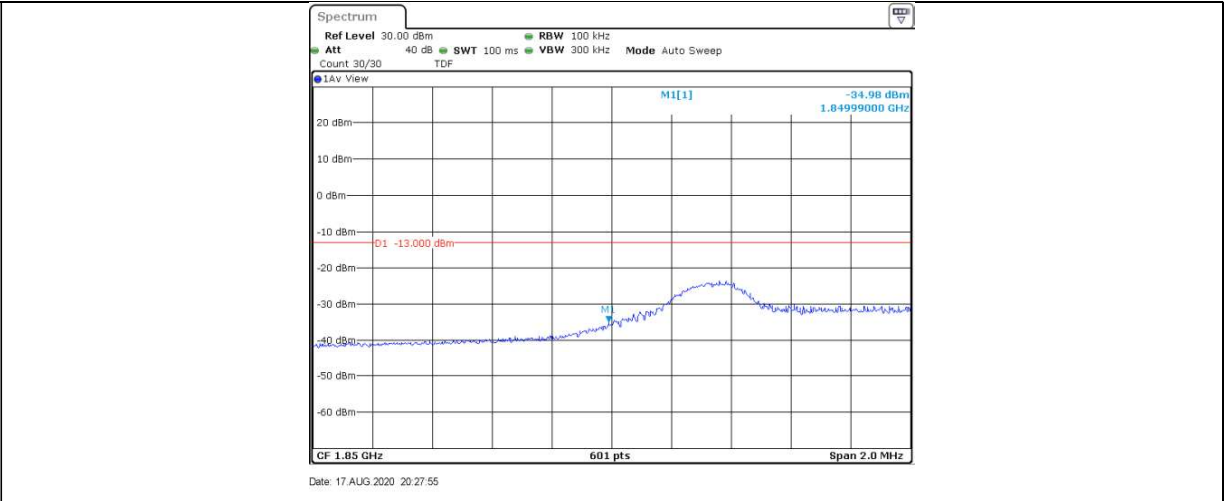


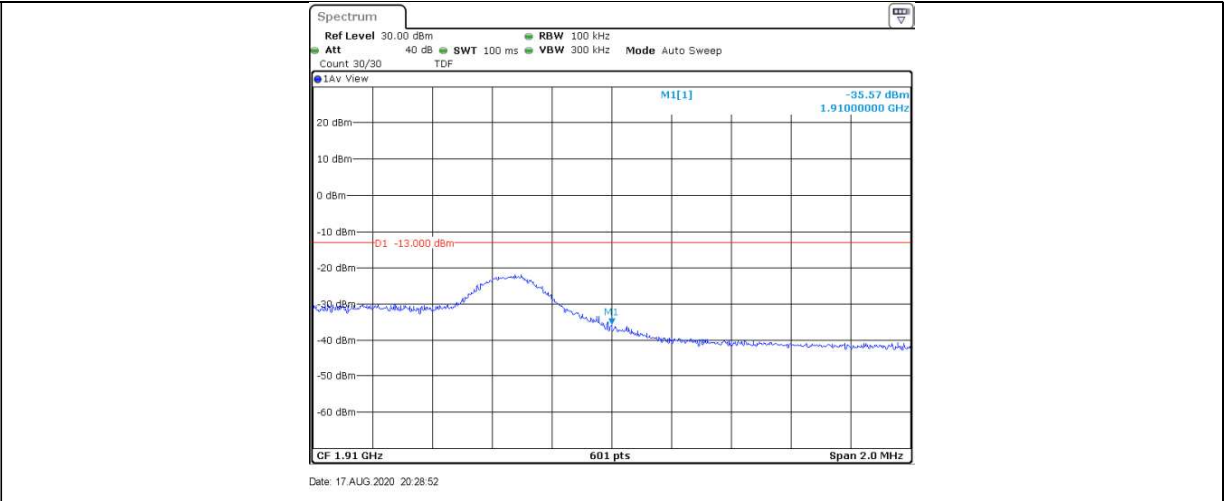
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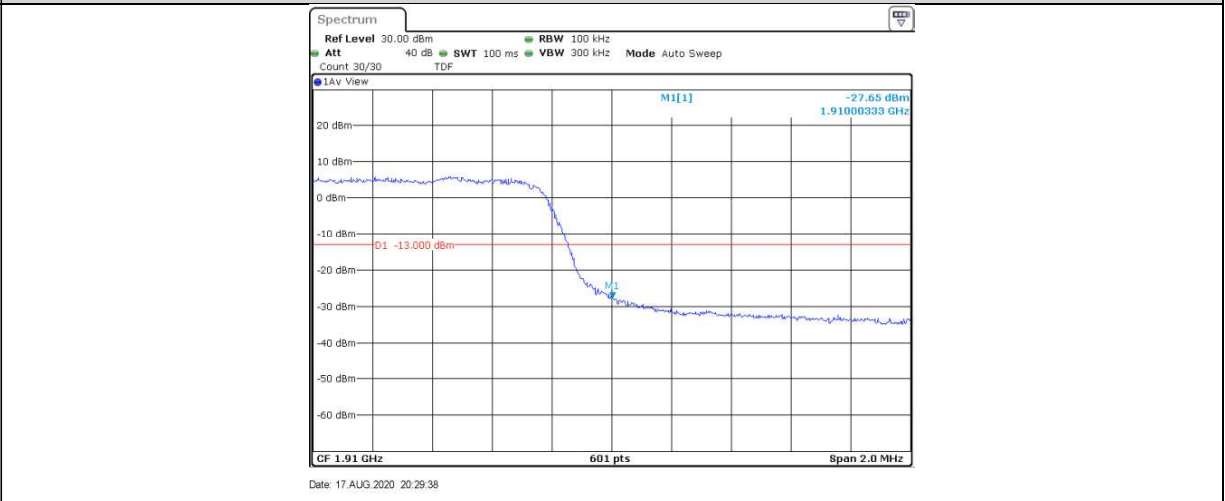
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Band2-5MHz-16QAM-19175-25RB#0



Band2-10MHz-QPSK-18650-1RB#0



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