



# Appendix B

## E-UTRA Band 2



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# 1. Effective (Isotropic) Radiated Power

## 1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.97	22.01	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.08	22.12	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.96	22.00	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.03	22.07	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.04	22.08	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.02	22.06	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.06	21.10	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.95	21.99	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.07	22.11	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.95	21.99	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.02	22.06	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.05	22.09	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.03	22.07	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.10	21.14	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.12	22.16	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.23	22.27	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.12	22.16	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.18	22.22	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.25	22.29	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.20	22.24	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.25	21.29	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.18	21.22	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.33	21.37	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.26	21.30	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.07	21.11	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.10	21.14	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.03	21.07	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.19	20.23	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.13	21.17	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.20	21.24	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.08	21.12	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.99	21.03	33.00	PASS

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Band2	1.4MHz	16QAM	18900	3RB#1	22.02	21.06	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	21.99	21.03	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.19	20.23	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.25	21.29	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.37	21.41	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.25	21.29	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.14	21.18	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	22.17	21.21	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.13	21.17	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.27	20.31	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.10	22.14	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.19	22.23	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.08	22.12	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.10	21.14	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.11	21.15	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.09	21.13	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.06	21.10	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.07	22.11	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.22	22.26	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.06	22.10	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.08	21.12	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.15	21.19	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.09	21.13	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.14	21.18	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.24	22.28	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.39	22.43	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.27	22.31	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.27	21.31	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.30	21.34	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.30	21.34	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.31	21.35	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.36	21.40	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.27	21.31	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.37	21.41	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.19	20.23	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.24	20.28	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.23	20.27	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.19	20.23	33.00	PASS

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Band2	3MHz	16QAM	18900	1RB#0	22.21	21.25	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.37	21.41	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.29	21.33	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.17	20.21	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.19	20.23	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.19	20.23	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.16	20.20	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.40	21.44	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.49	21.53	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.46	21.50	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.35	20.39	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.39	20.43	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.35	20.39	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.33	20.37	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.98	22.02	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.08	22.12	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.99	22.03	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.06	21.10	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.12	21.16	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.08	21.12	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.11	21.15	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.98	22.02	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.08	22.12	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.03	22.07	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.10	21.14	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.13	21.17	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.09	21.13	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.13	21.17	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.12	22.16	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.25	22.29	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.16	22.20	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.28	21.32	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.32	21.36	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.21	21.25	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.30	21.34	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.30	21.34	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.39	21.43	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.23	21.27	33.00	PASS

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Band2	5MHz	16QAM	18625	12RB#0	21.18	20.22	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.22	20.26	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.20	20.24	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.19	20.23	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.14	21.18	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.28	21.32	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.16	21.20	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.14	20.18	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.19	20.23	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.15	20.19	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.18	20.22	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.30	21.34	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.37	21.41	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.36	21.40	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.35	20.39	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.38	20.42	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.28	20.32	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.33	20.37	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.08	22.12	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.21	22.25	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.07	22.11	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.12	21.16	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.15	21.19	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.19	21.23	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.20	21.24	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.04	22.08	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.17	22.21	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.08	22.12	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.24	21.28	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.19	21.23	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.15	21.19	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.24	21.28	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.21	22.25	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.25	22.29	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.22	22.26	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.36	21.40	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.31	21.35	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.28	21.32	33.00	PASS

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Band2	10MHz	QPSK	19150	50RB#0	22.34	21.38	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.39	21.43	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.48	21.52	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.35	21.39	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.19	20.23	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.22	20.26	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.28	20.32	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.25	20.29	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.18	21.22	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.35	21.39	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.29	21.33	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.25	20.29	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.20	20.24	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.17	20.21	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.25	20.29	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.42	21.46	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.43	21.47	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.37	21.41	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.37	20.41	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.35	20.39	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.29	20.33	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.36	20.40	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.06	22.10	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.14	22.18	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.01	22.05	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.10	21.14	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	22.14	21.18	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.19	21.23	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.17	21.21	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.02	22.06	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.10	22.14	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.06	22.10	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.17	21.21	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	22.17	21.21	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	22.12	21.16	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.16	21.20	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.13	22.17	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.24	22.28	33.00	PASS

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Band2	15MHz	QPSK	19125	1RB#74	23.19	22.23	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	22.26	21.30	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	22.32	21.36	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	22.26	21.30	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.26	21.30	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.33	21.37	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.47	21.51	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.21	21.25	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	21.19	20.23	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	21.23	20.27	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	21.29	20.33	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.21	20.25	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.22	21.26	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.27	21.31	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.34	21.38	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	21.22	20.26	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	21.20	20.24	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	21.17	20.21	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.18	20.22	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.41	21.45	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.41	21.45	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.36	21.40	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	21.32	20.36	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	21.33	20.37	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	21.30	20.34	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.31	20.35	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.03	22.07	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.20	22.24	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.95	21.99	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.07	21.11	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.19	21.23	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.27	21.31	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.19	21.23	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.01	22.05	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.25	22.29	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.99	22.03	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.15	21.19	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.21	21.25	33.00	PASS

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Band2	20MHz	QPSK	18900	50RB#50	22.25	21.29	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.17	21.21	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.07	22.11	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.29	22.33	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.13	22.17	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.27	21.31	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.35	21.39	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.28	21.32	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.27	21.31	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.35	21.39	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.46	21.50	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.15	21.19	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.17	20.21	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.24	20.28	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.30	20.34	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.17	20.21	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.19	21.23	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.34	21.38	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.23	21.27	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.26	20.30	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.24	20.28	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.12	20.16	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.18	20.22	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.35	21.39	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.44	21.48	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.30	21.34	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.30	20.34	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.38	20.42	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.28	20.32	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.25	20.29	33.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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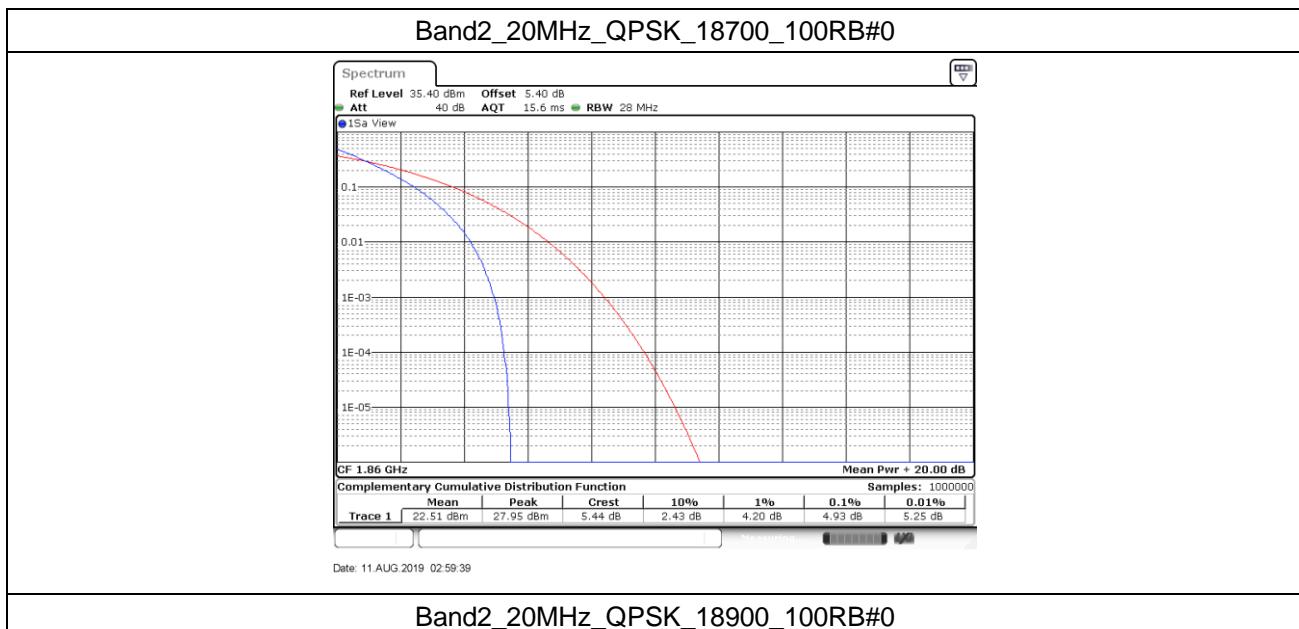
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## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	4.93	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.64	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.70	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.86	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.57	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.62	13	PASS

### 2.2. Test Plots

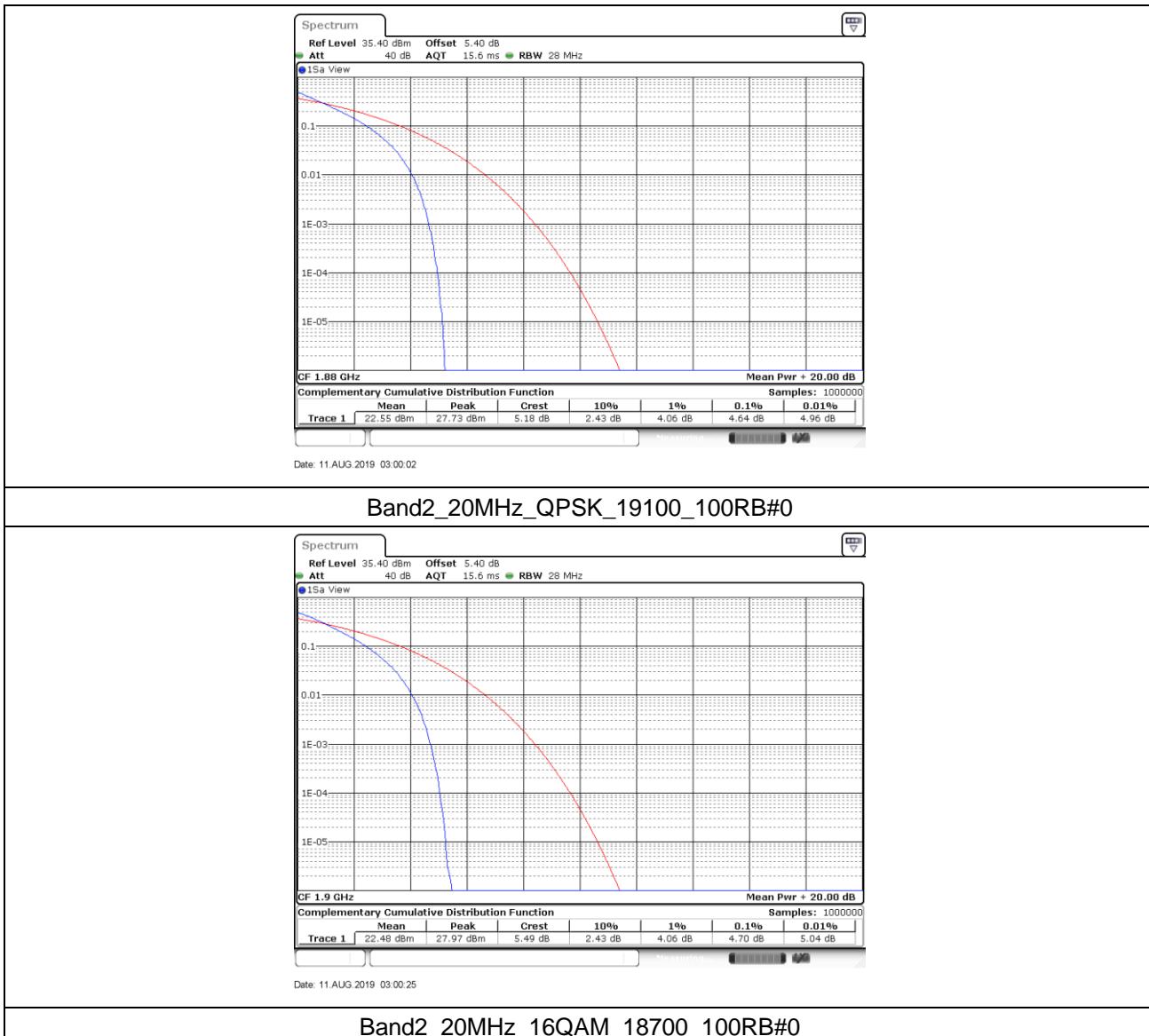


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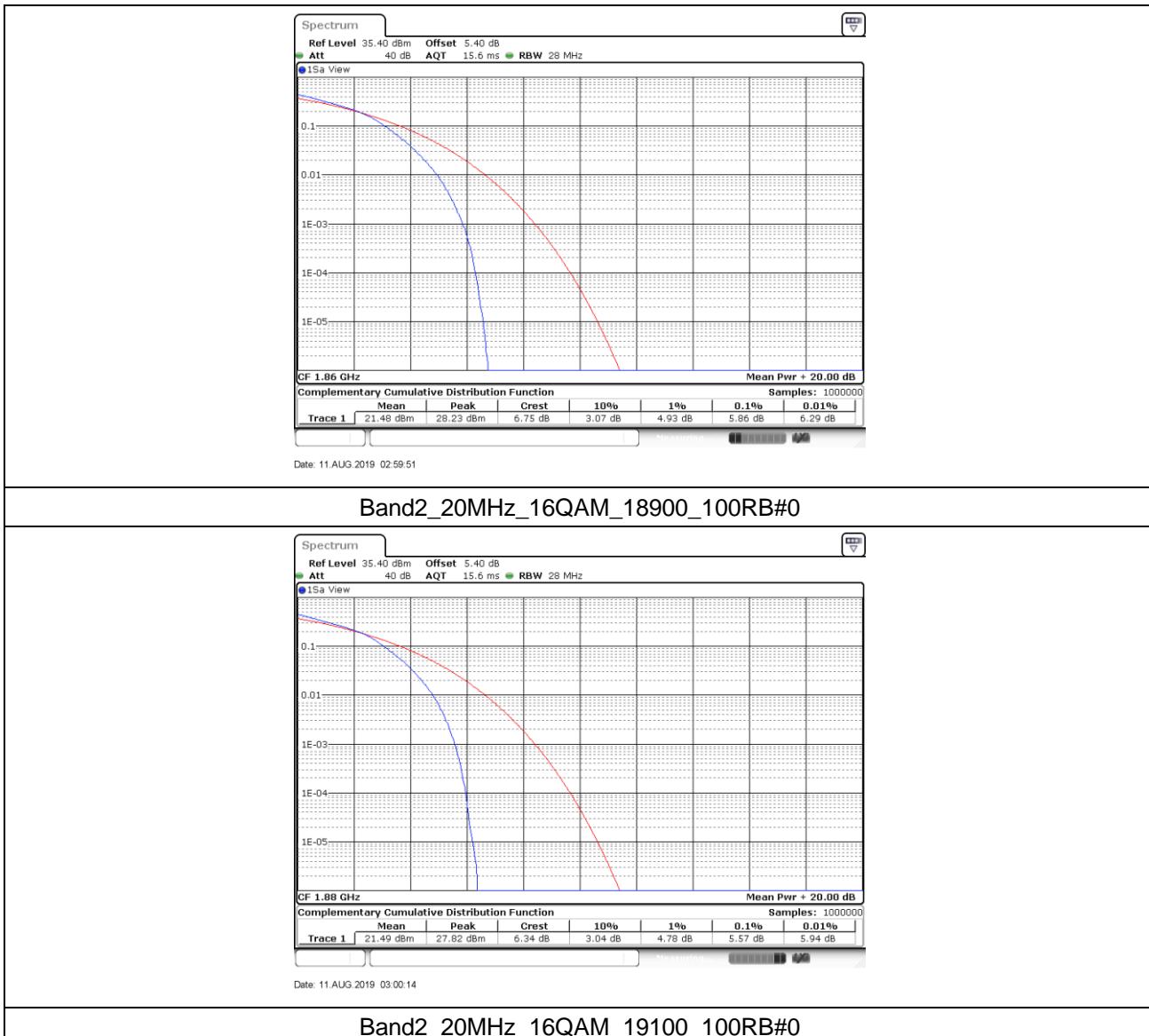
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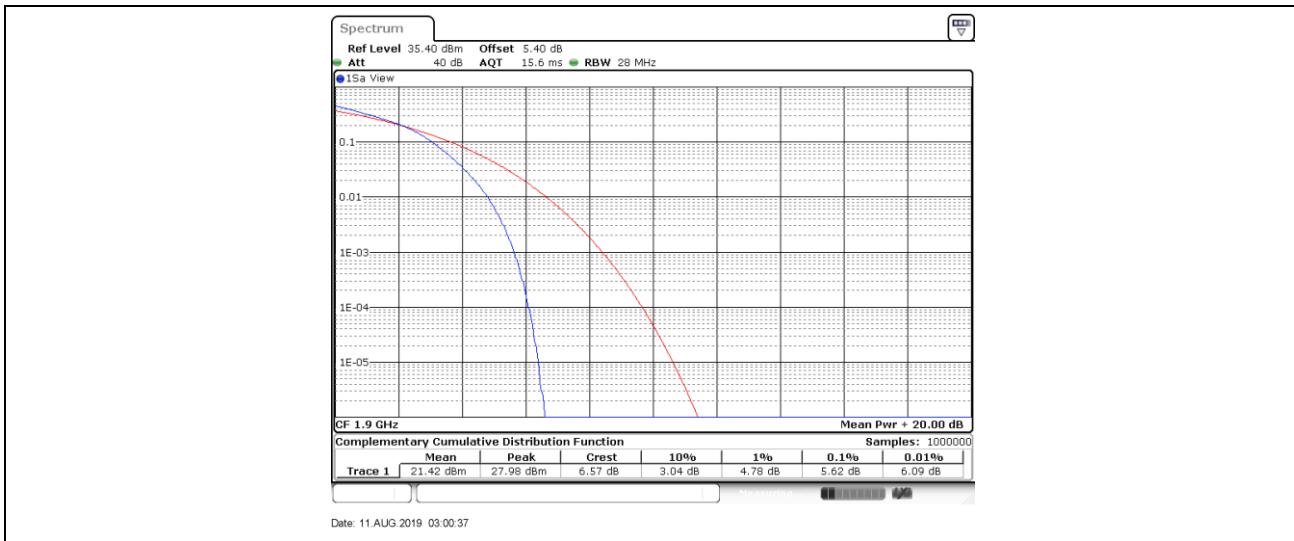
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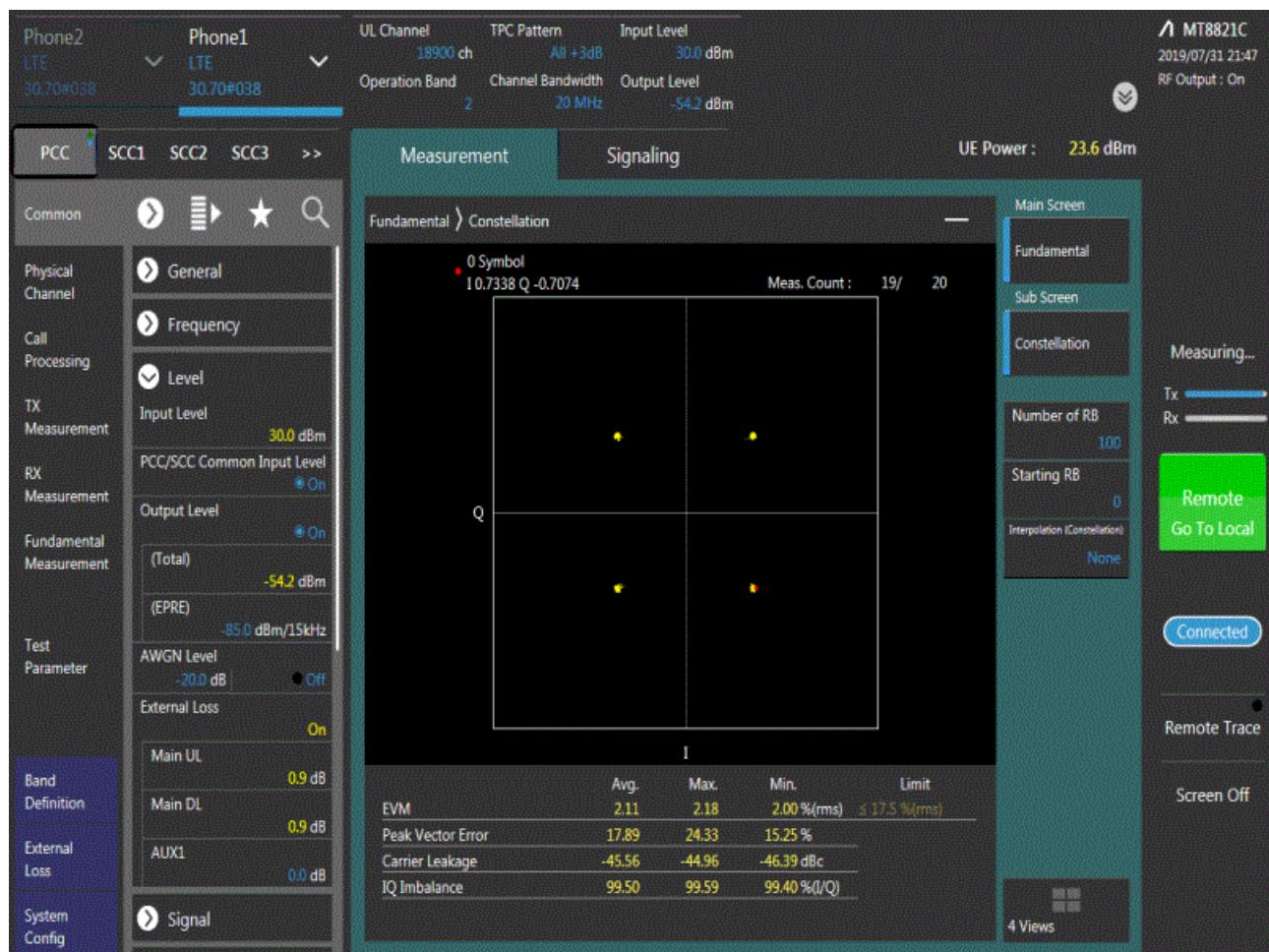
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### 3. Modulation Characteristics

#### 3.1. Test Band = LTE Band 2

#### 3.2. Test Mode = LTE /TM1 20MHz

##### 3.2.1. Test Channel = MCH



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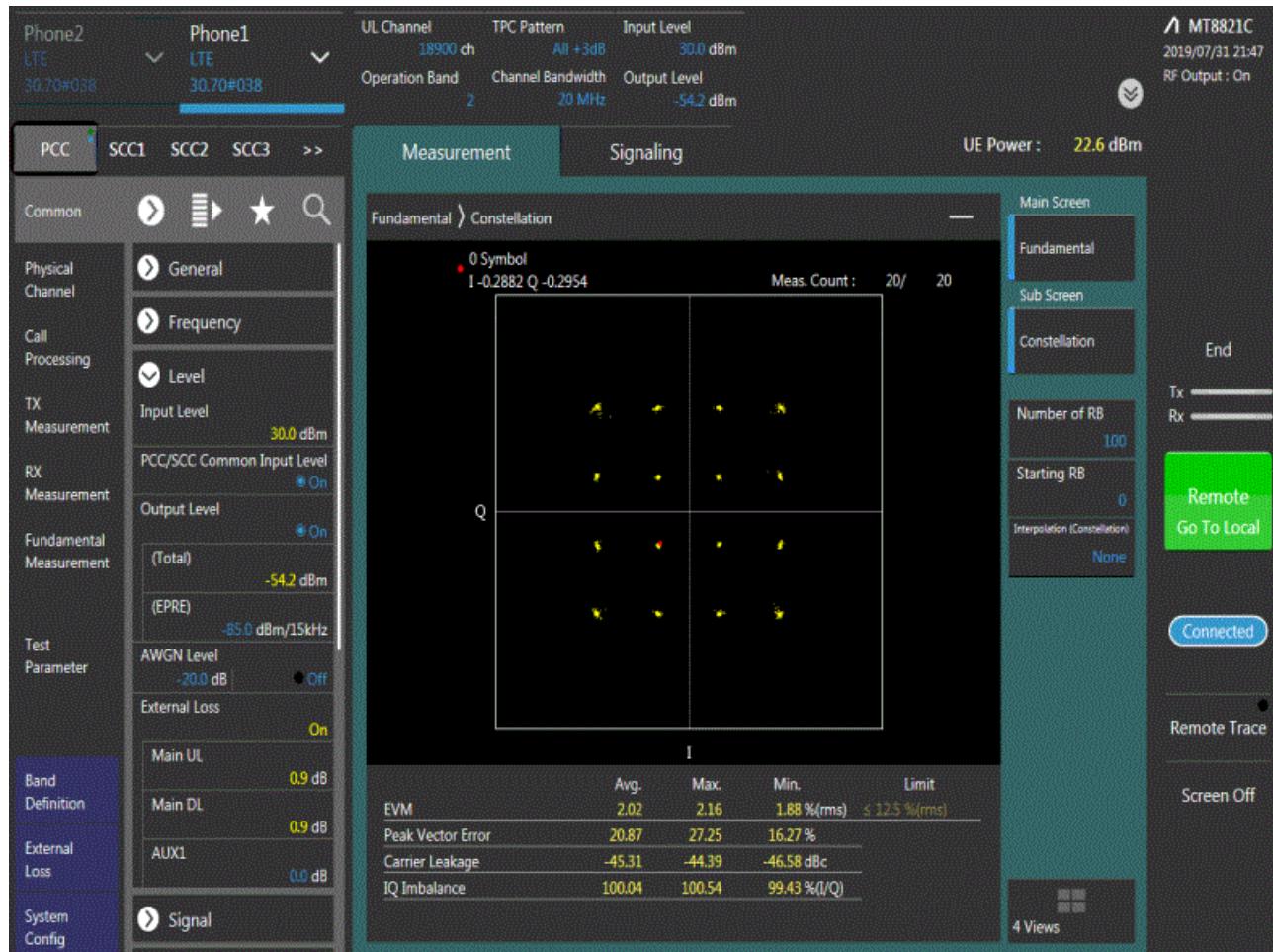


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### 3.3. Test Mode = LTE /TM2 20MHz

#### 3.3.1. Test Channel = MCH



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## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.088	1.278	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.091	1.287	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.091	1.311	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	1.293	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.091	1.290	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.094	1.299	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.691	2.928	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.691	2.928	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.685	2.934	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.679	2.904	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.673	2.898	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.673	2.892	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.486	5.090	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.476	5.090	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.486	5.080	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.496	5.070	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.496	5.100	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.496	5.090	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.931	9.900	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.951	9.920	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.951	9.880	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.931	9.940	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.951	9.920	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.931	9.860	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.487	15.090	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.487	15.090	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.487	15.090	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.487	15.030	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.487	15.180	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.487	15.090	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.902	19.680	PASS

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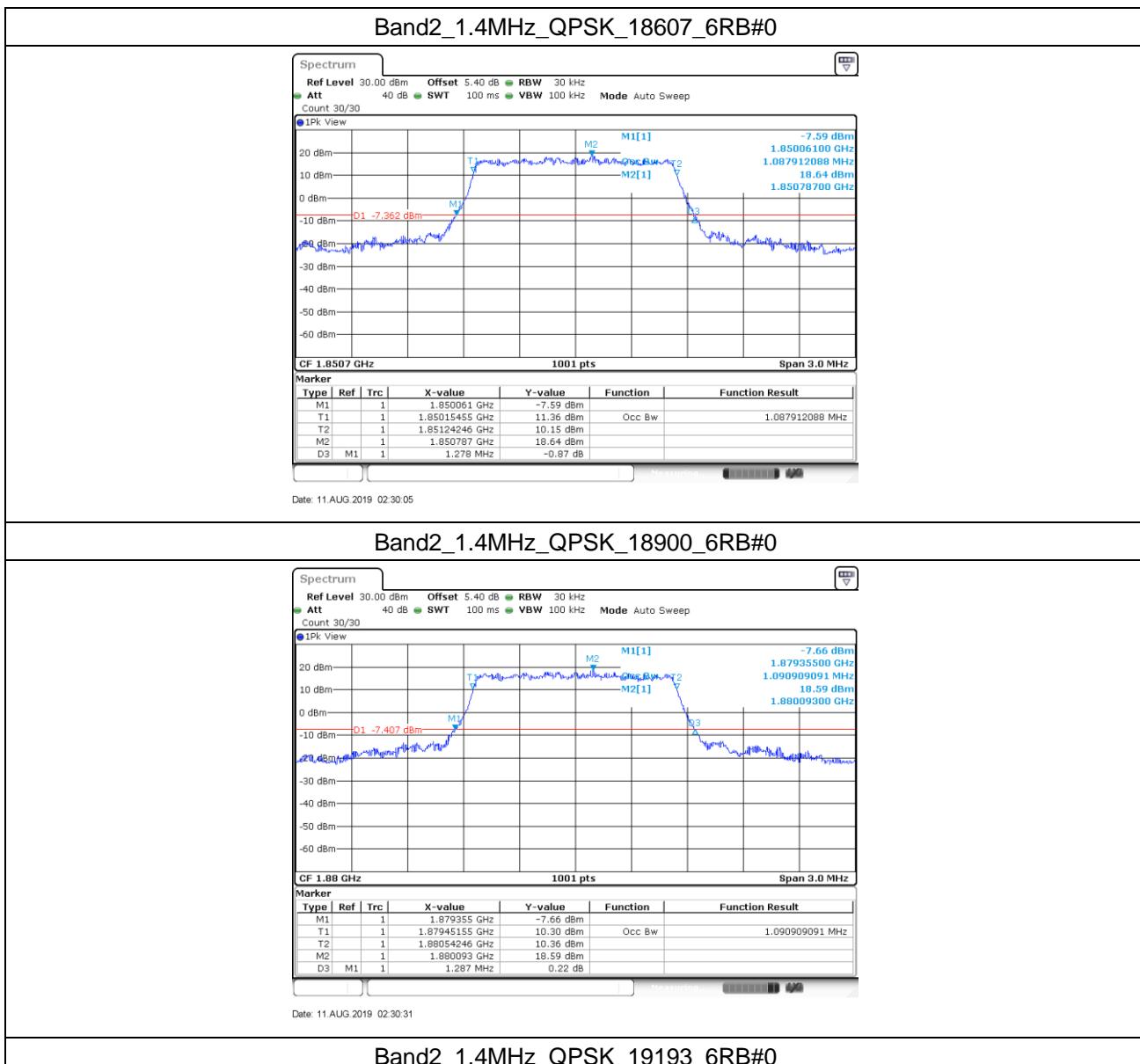
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Band2	20MHz	QPSK	18900	100RB#0	17.902	19.760	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.902	19.720	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.902	19.760	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.942	19.720	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.902	19.680	PASS

## 4.2. Test Plots



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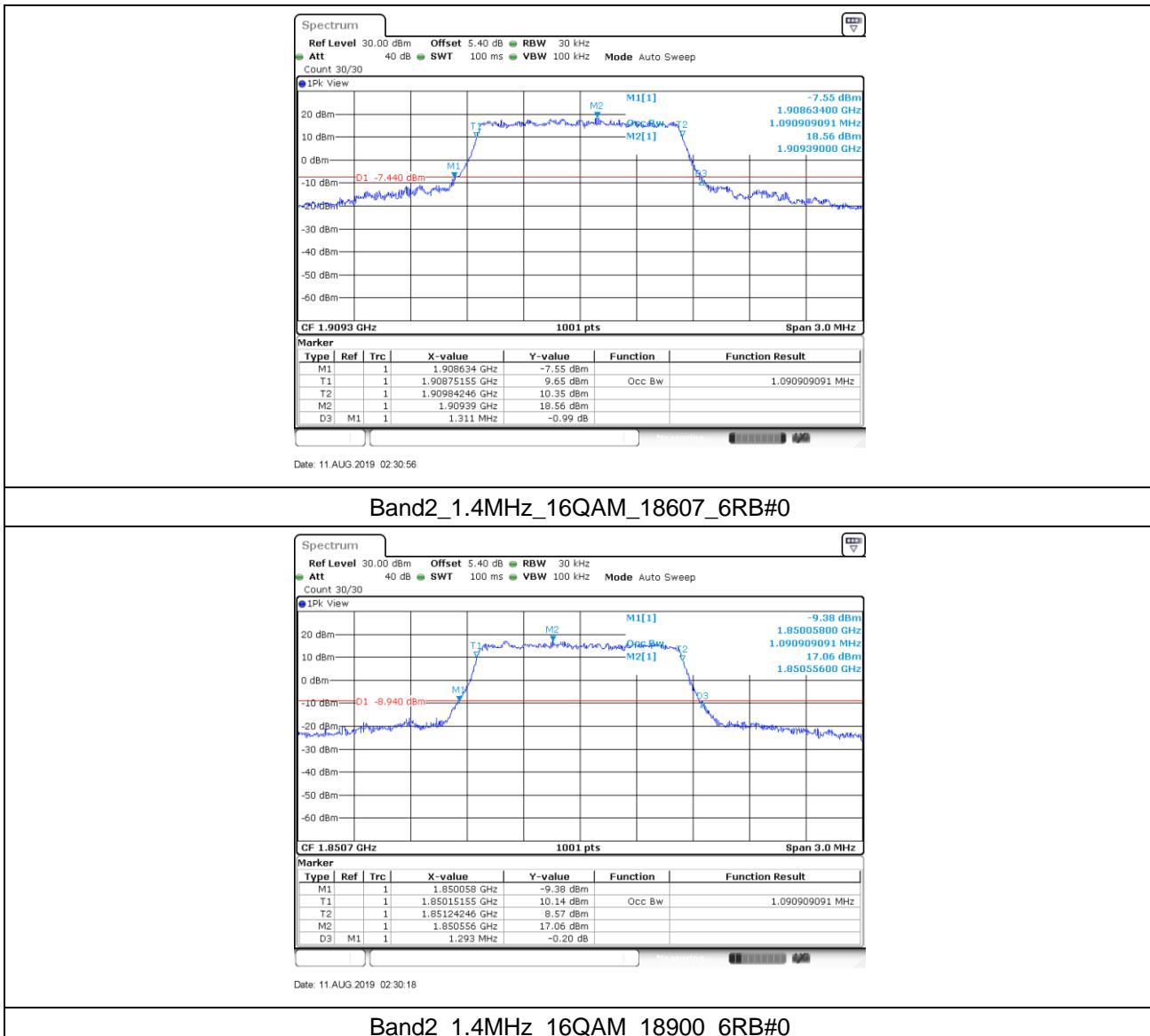


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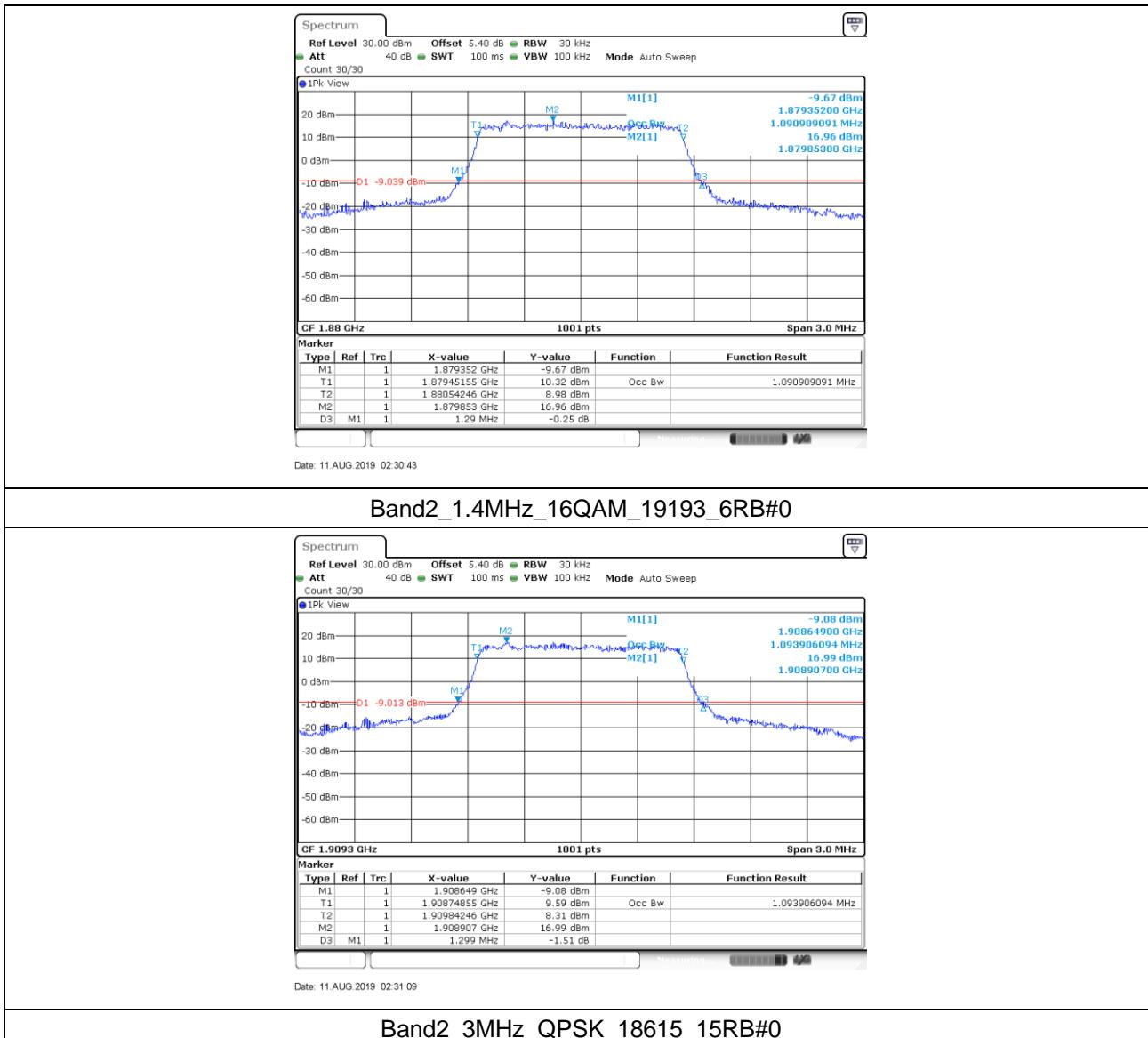


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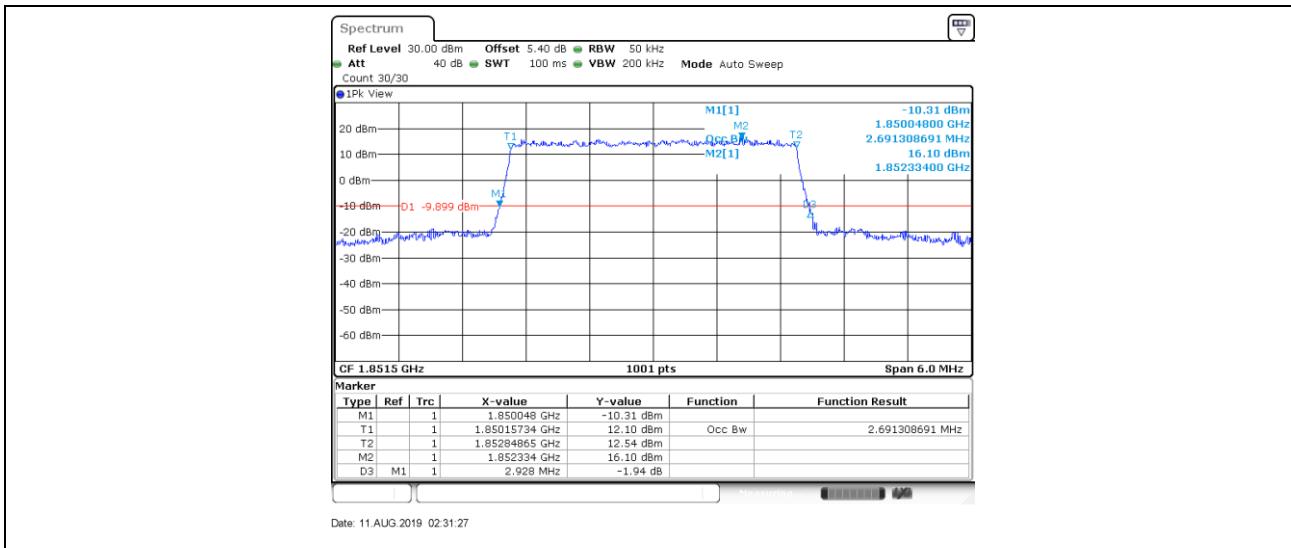
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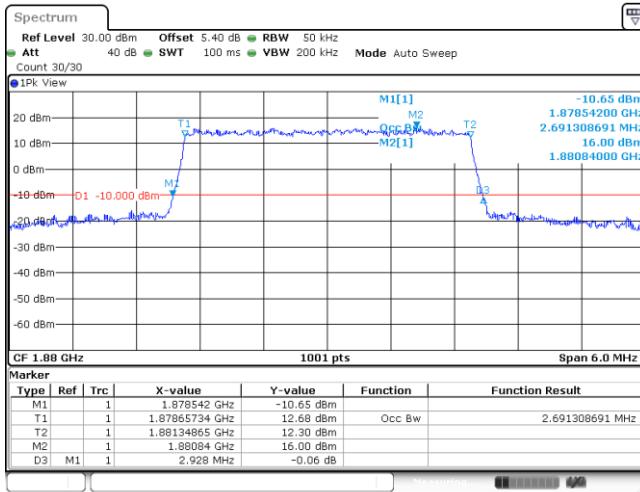
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### Band2\_3MHz\_QPSK\_18900\_15RB#0

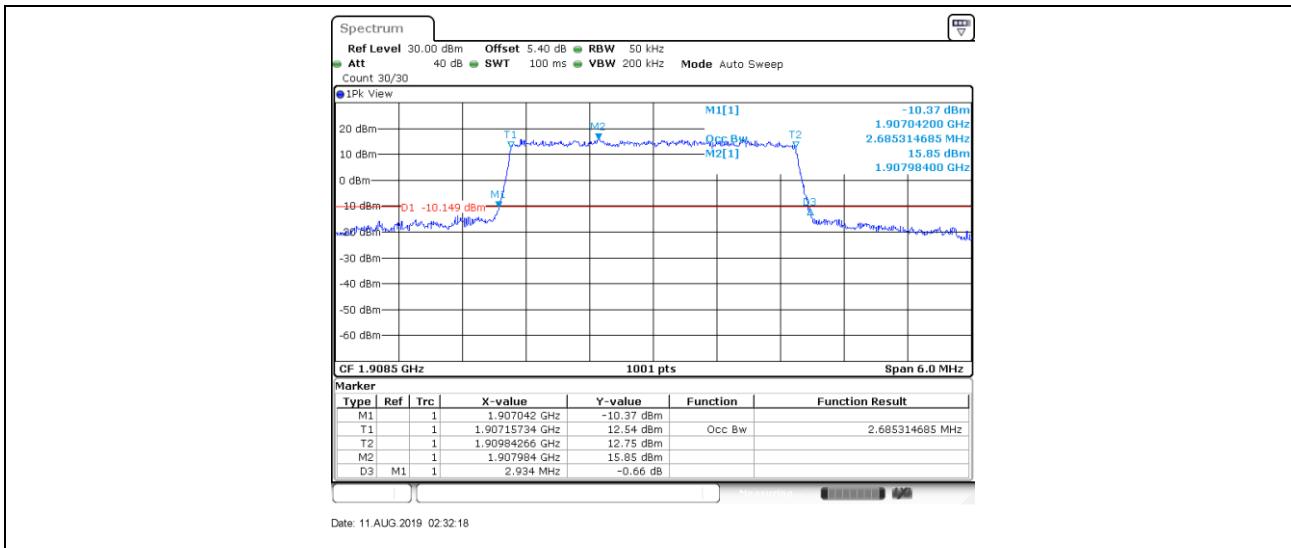


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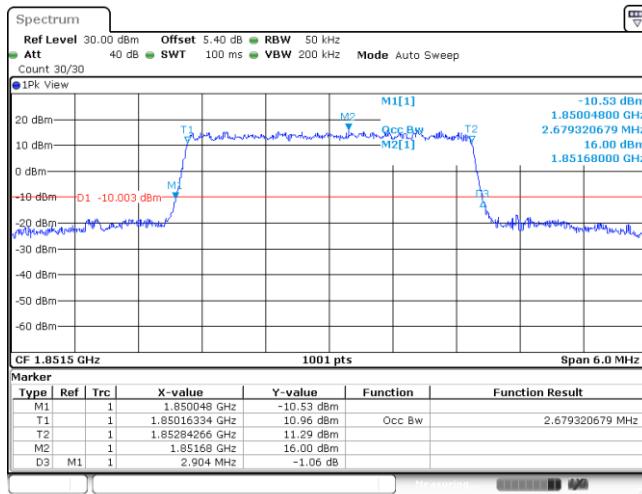
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Band2\_3MHz\_16QAM\_18615\_15RB#0



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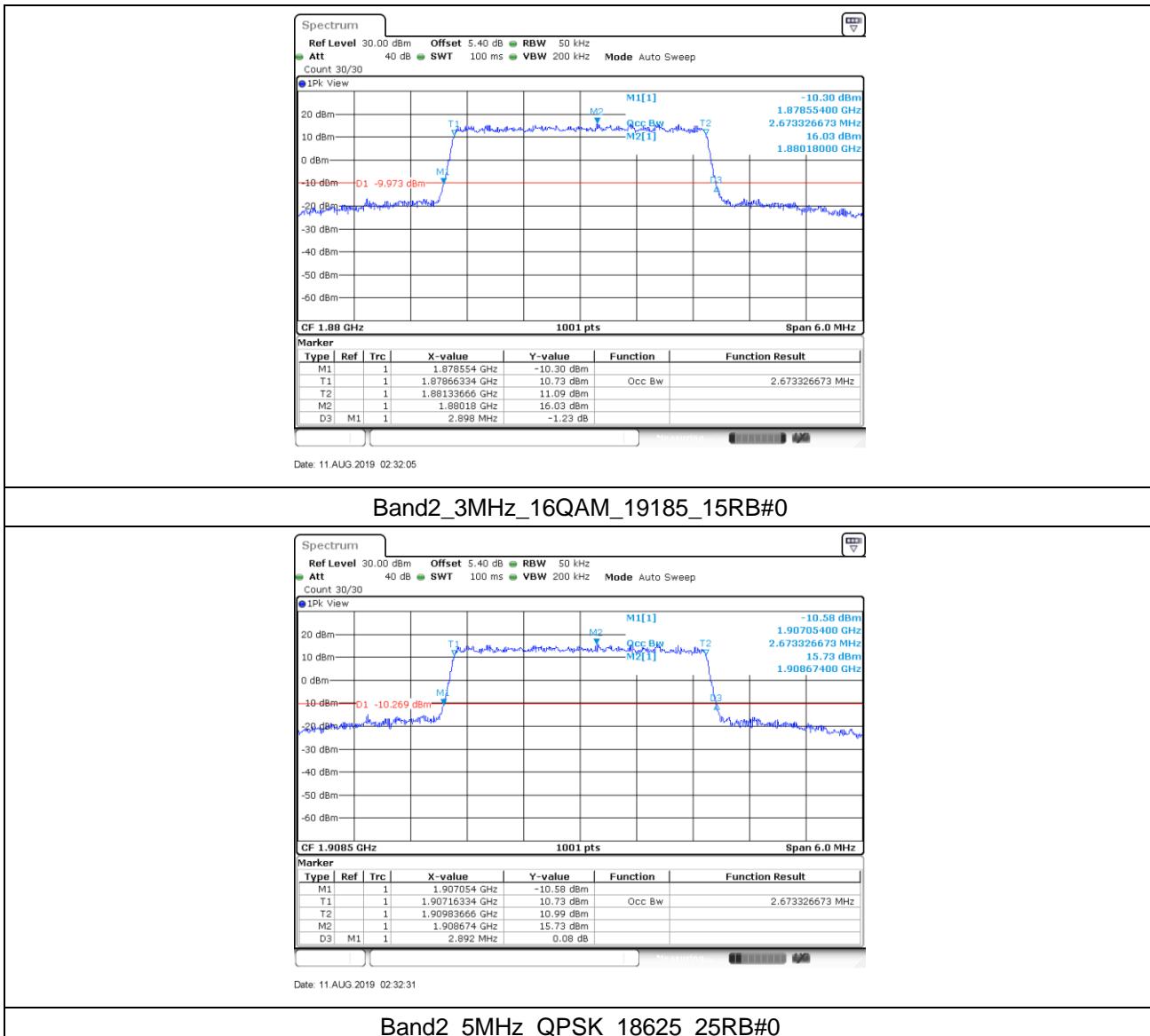
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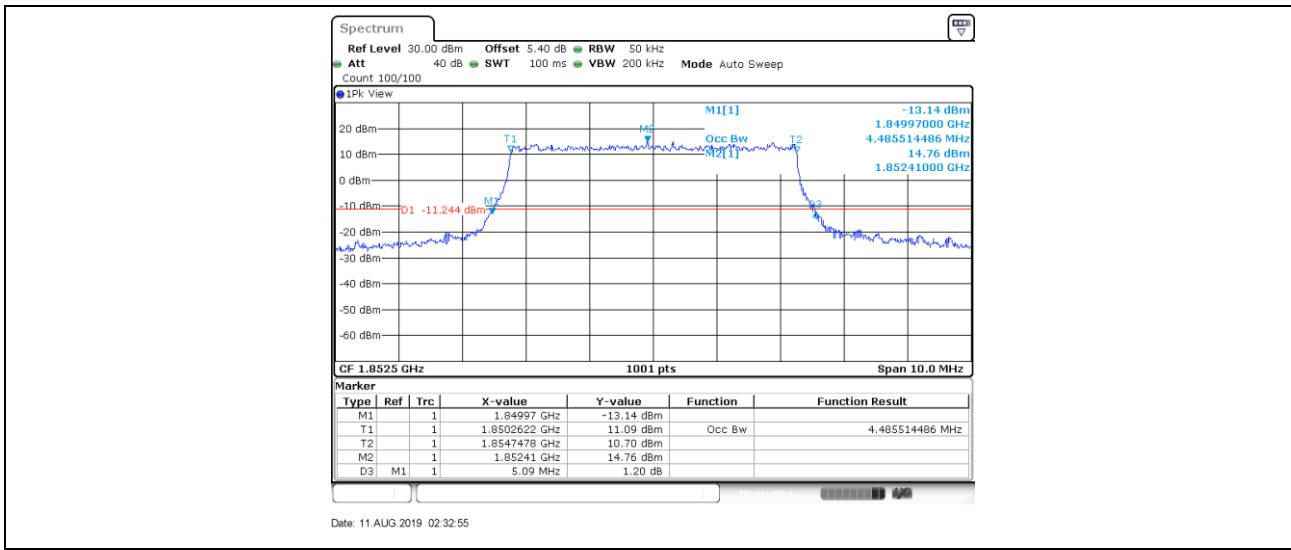
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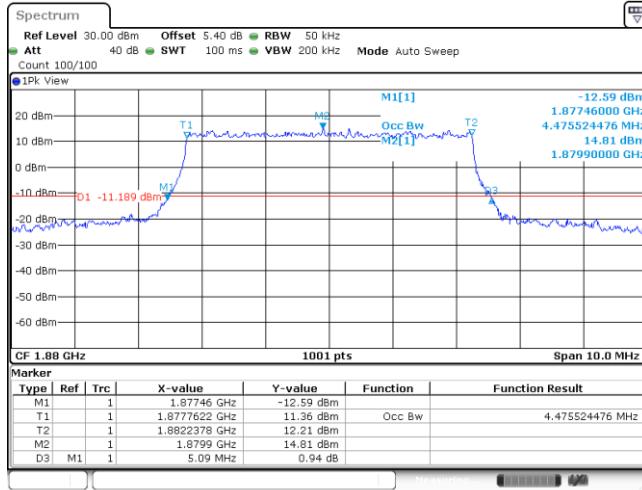
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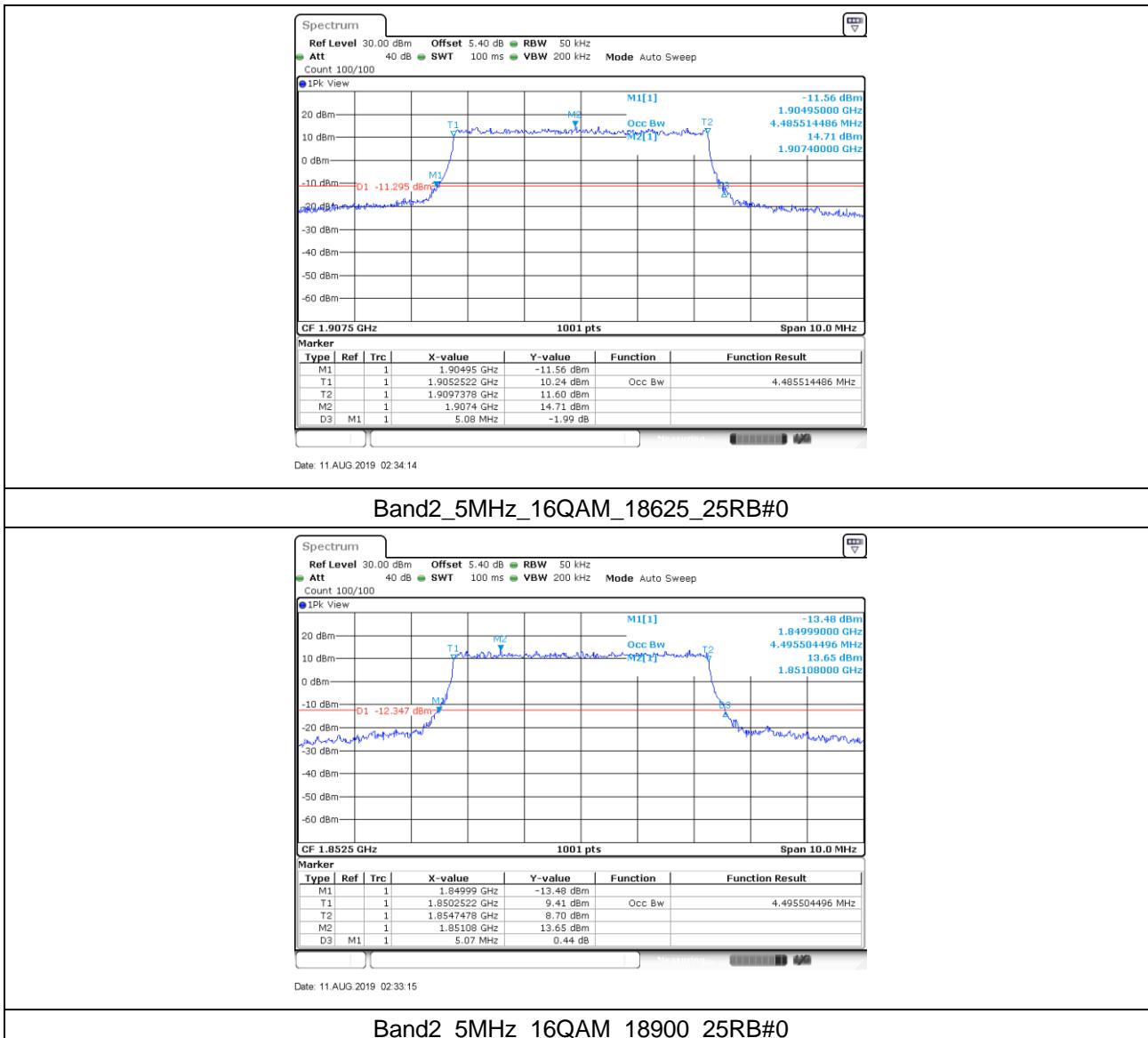


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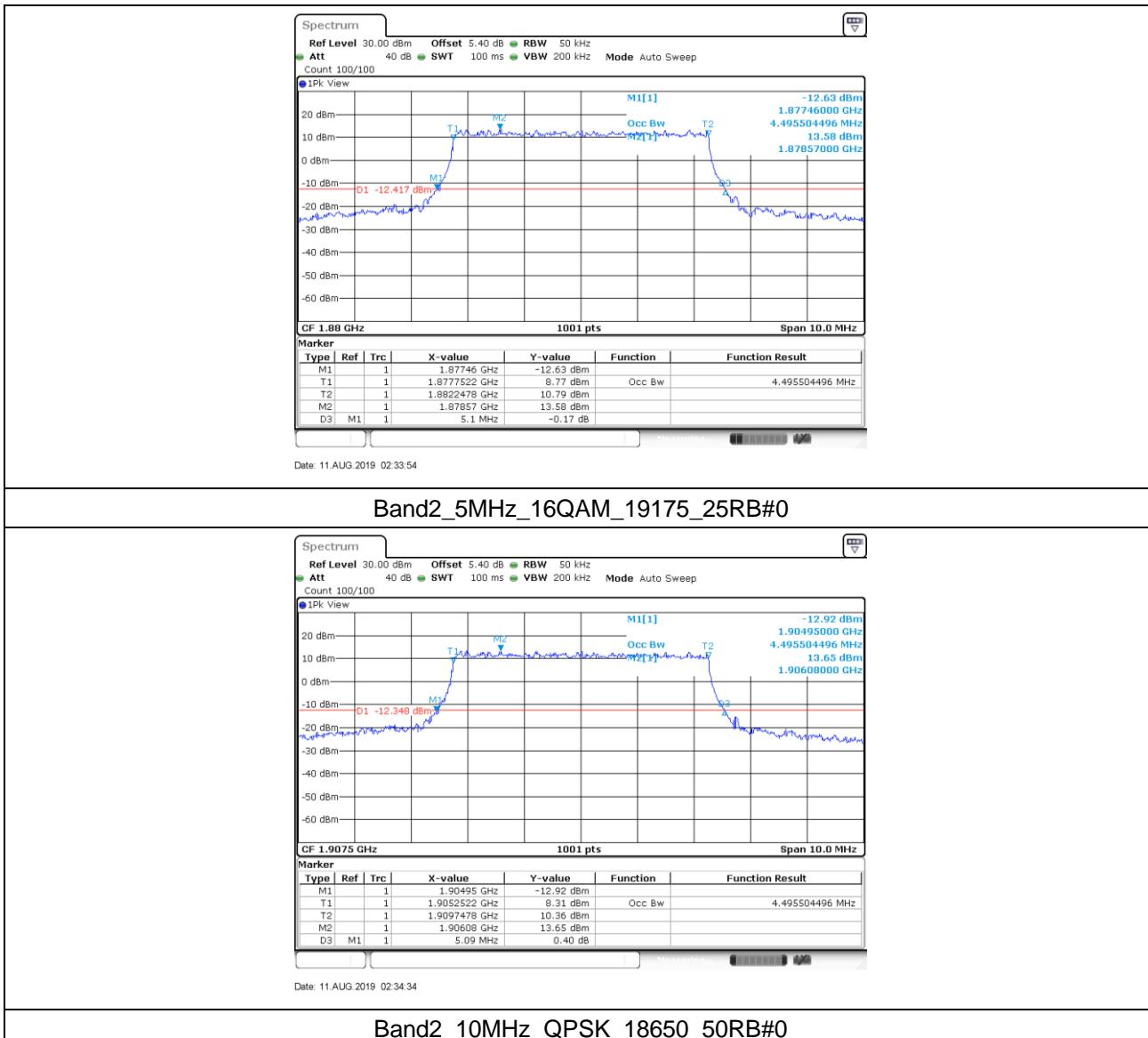


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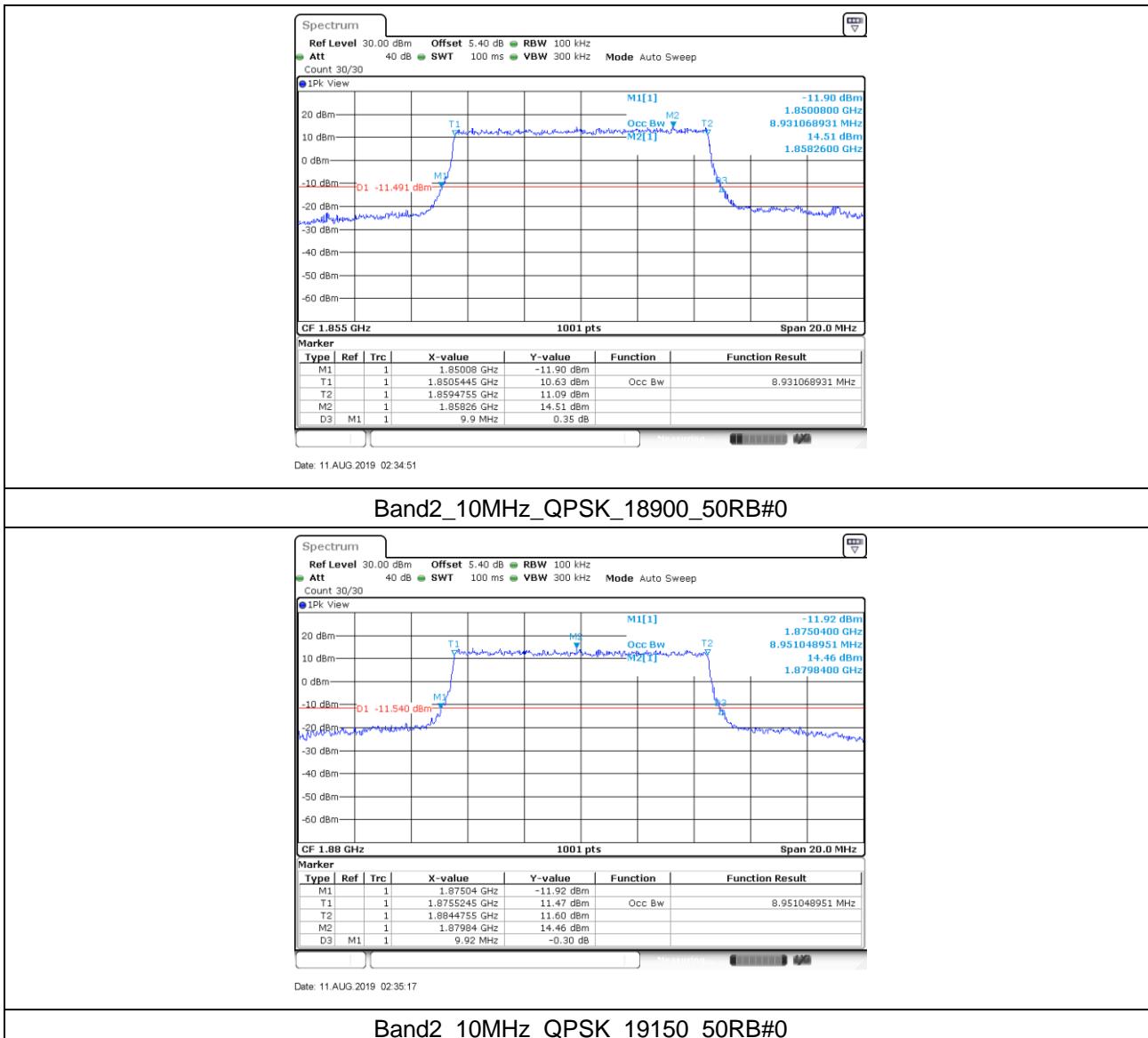
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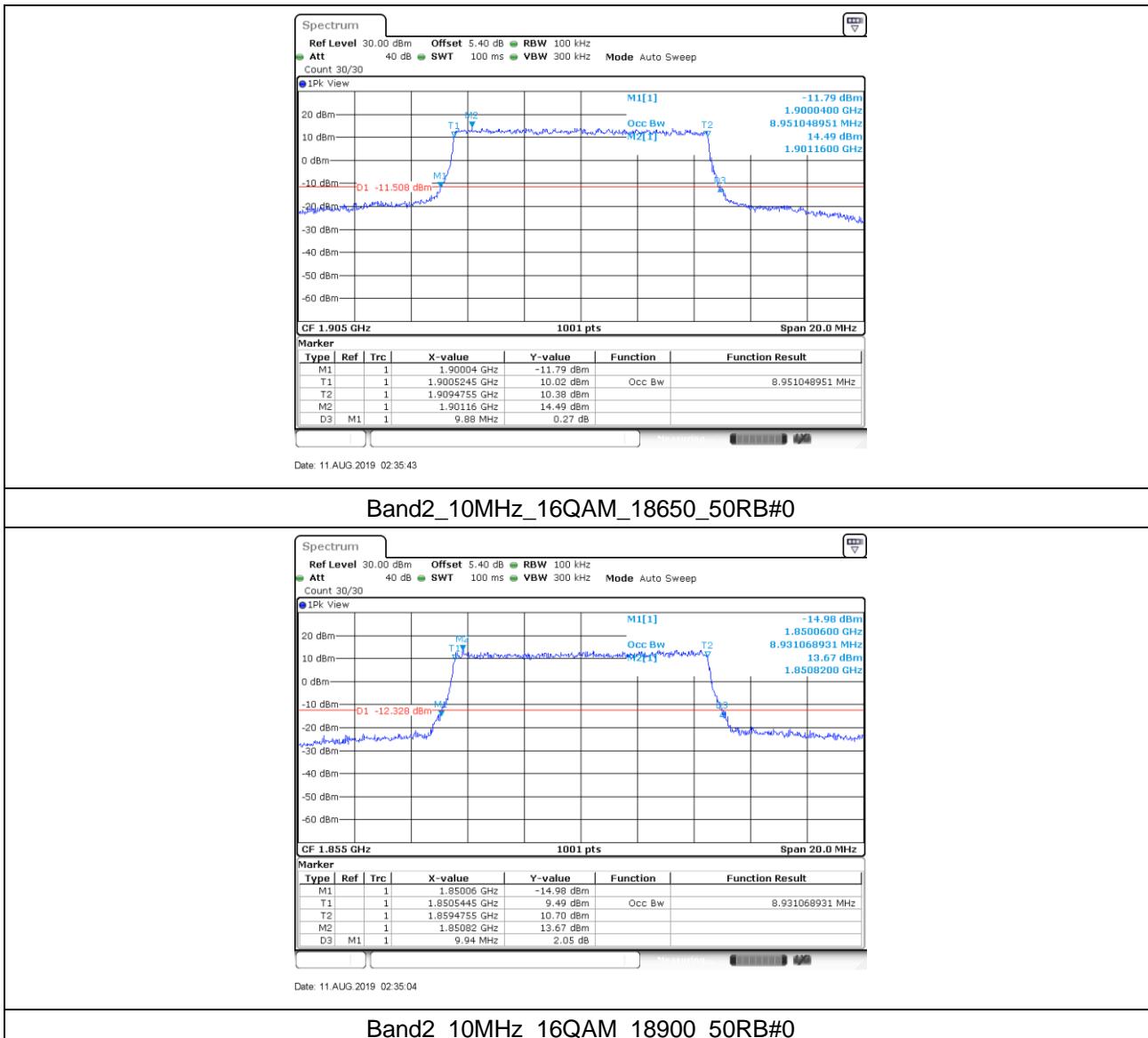


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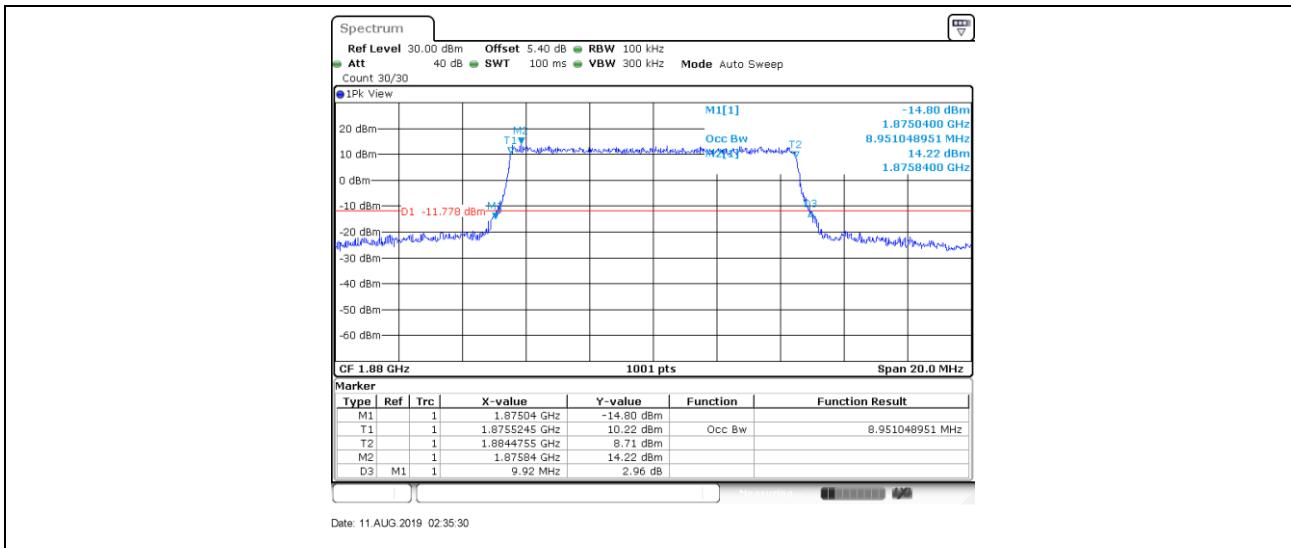
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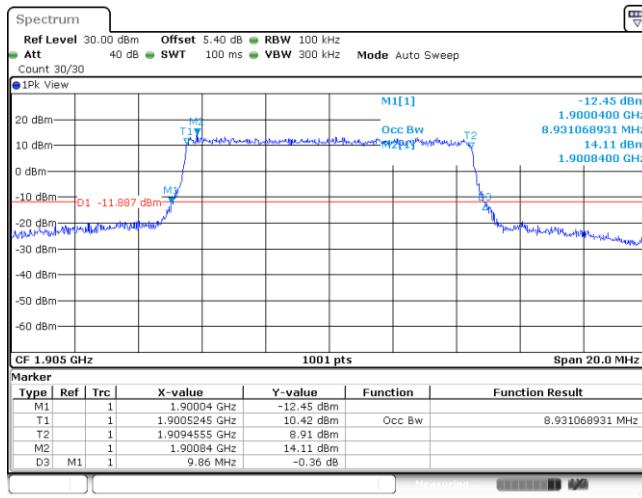
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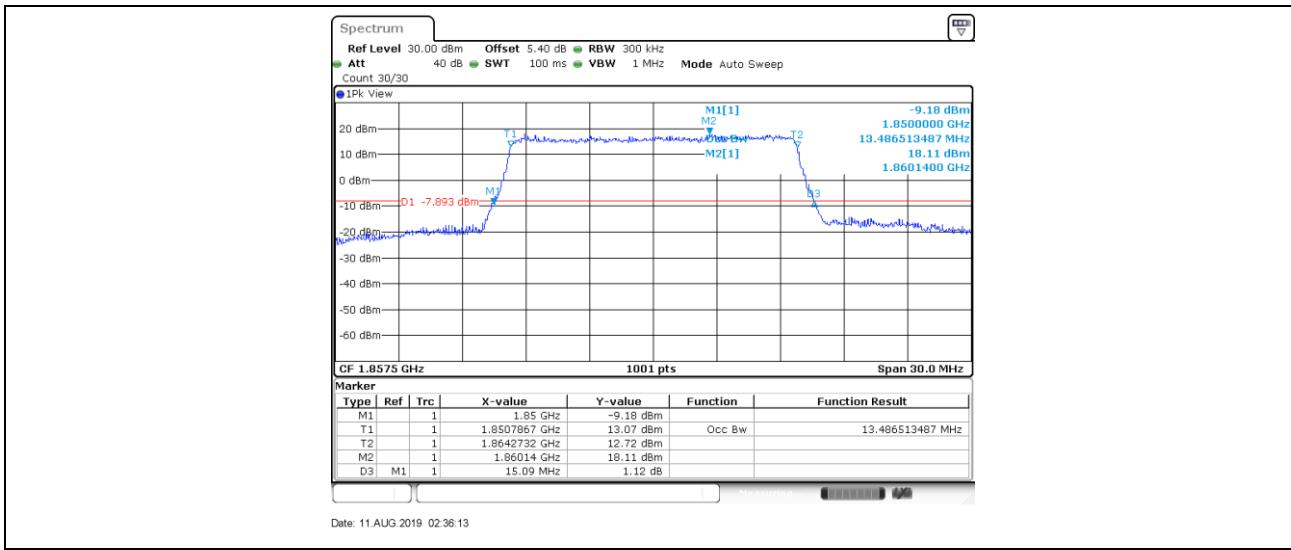


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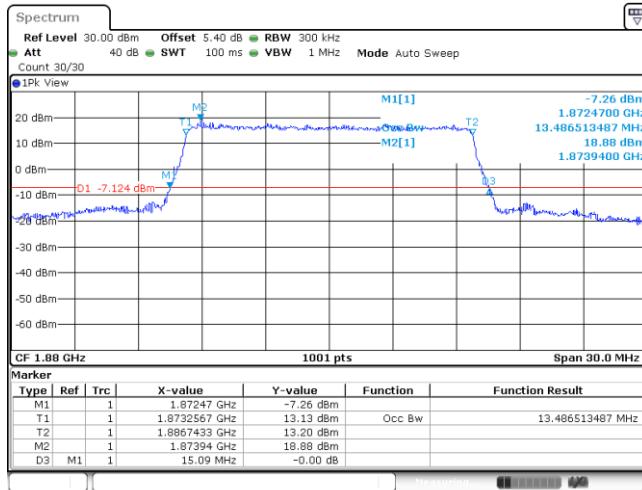
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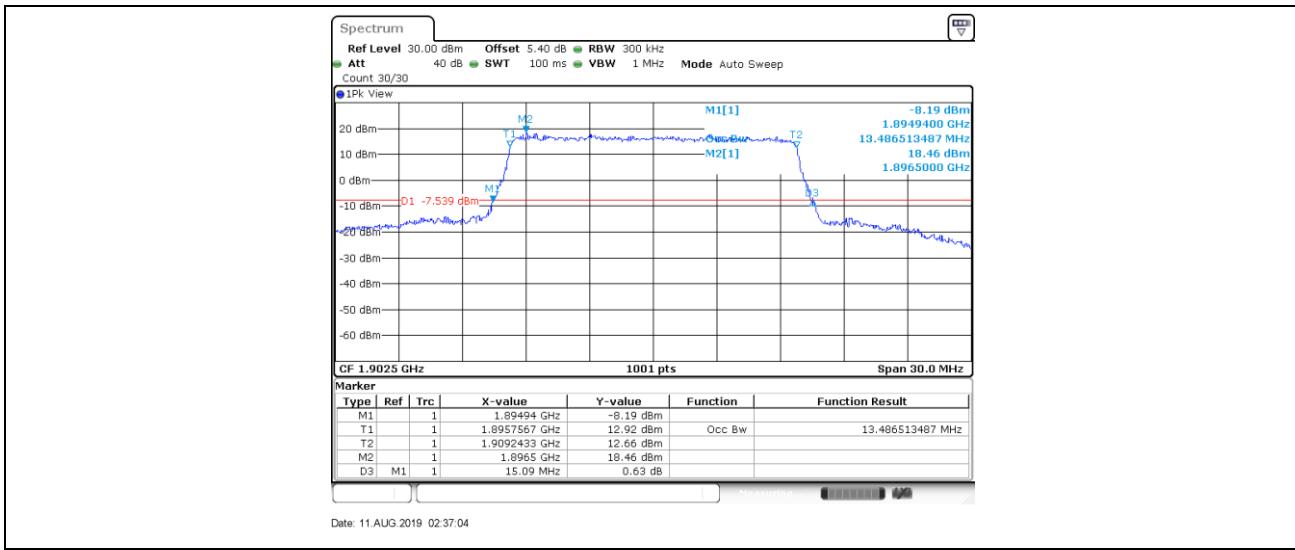


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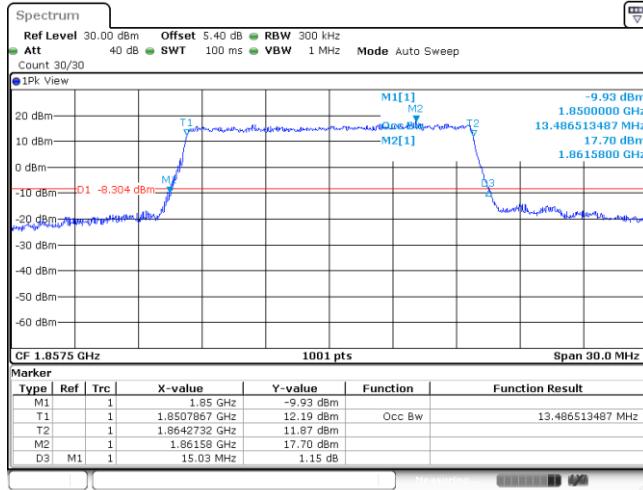
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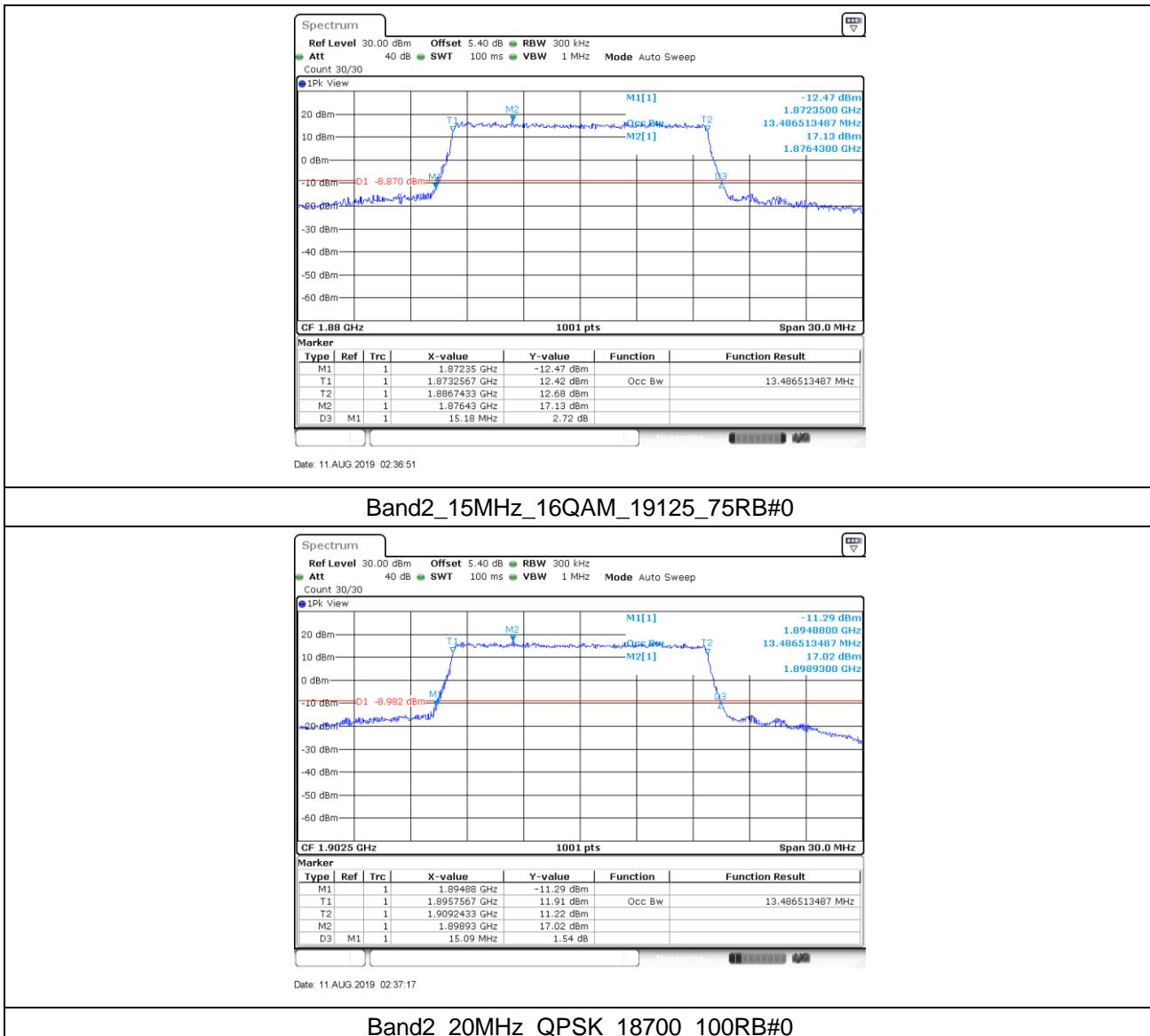
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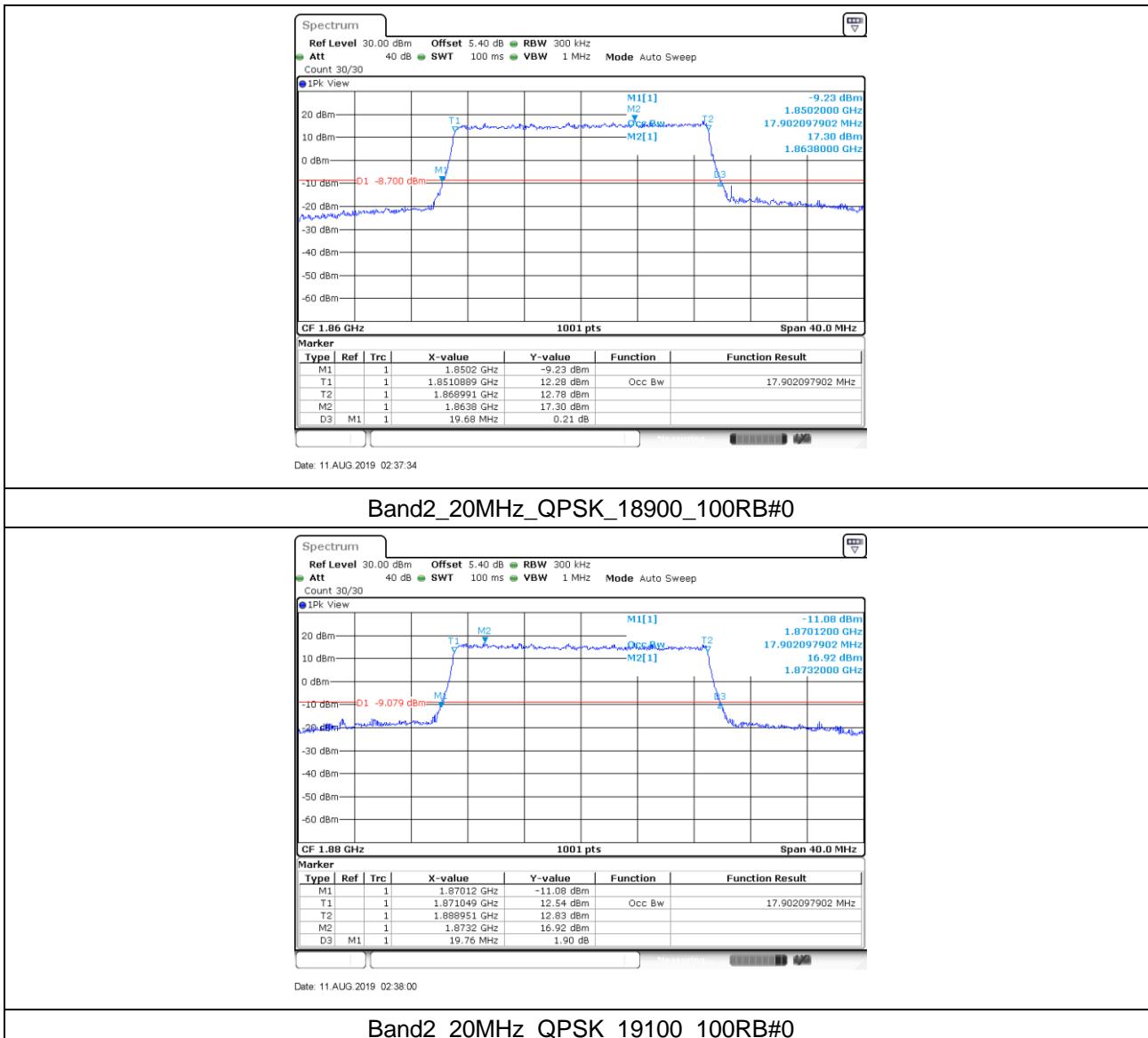
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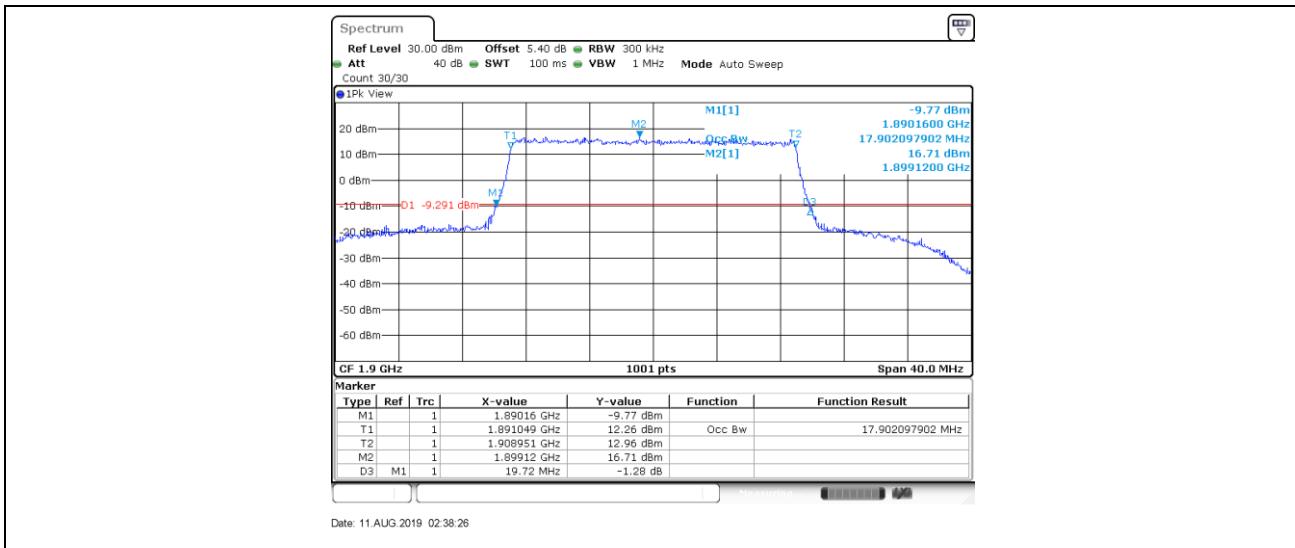




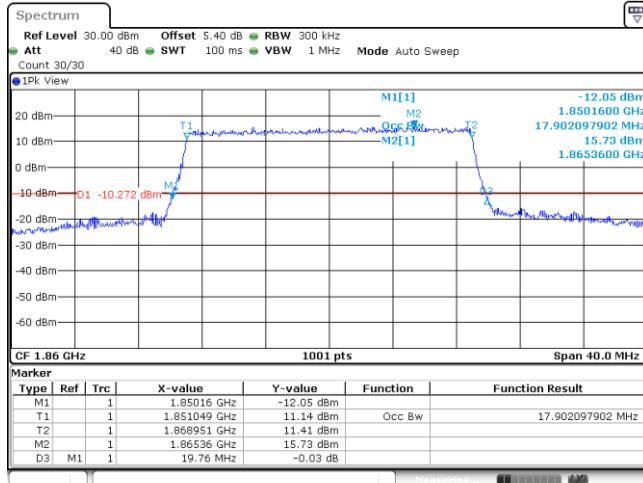
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### Band2\_20MHz\_16QAM\_18700\_100RB#0



Date: 11 AUG 2019 02:37:47

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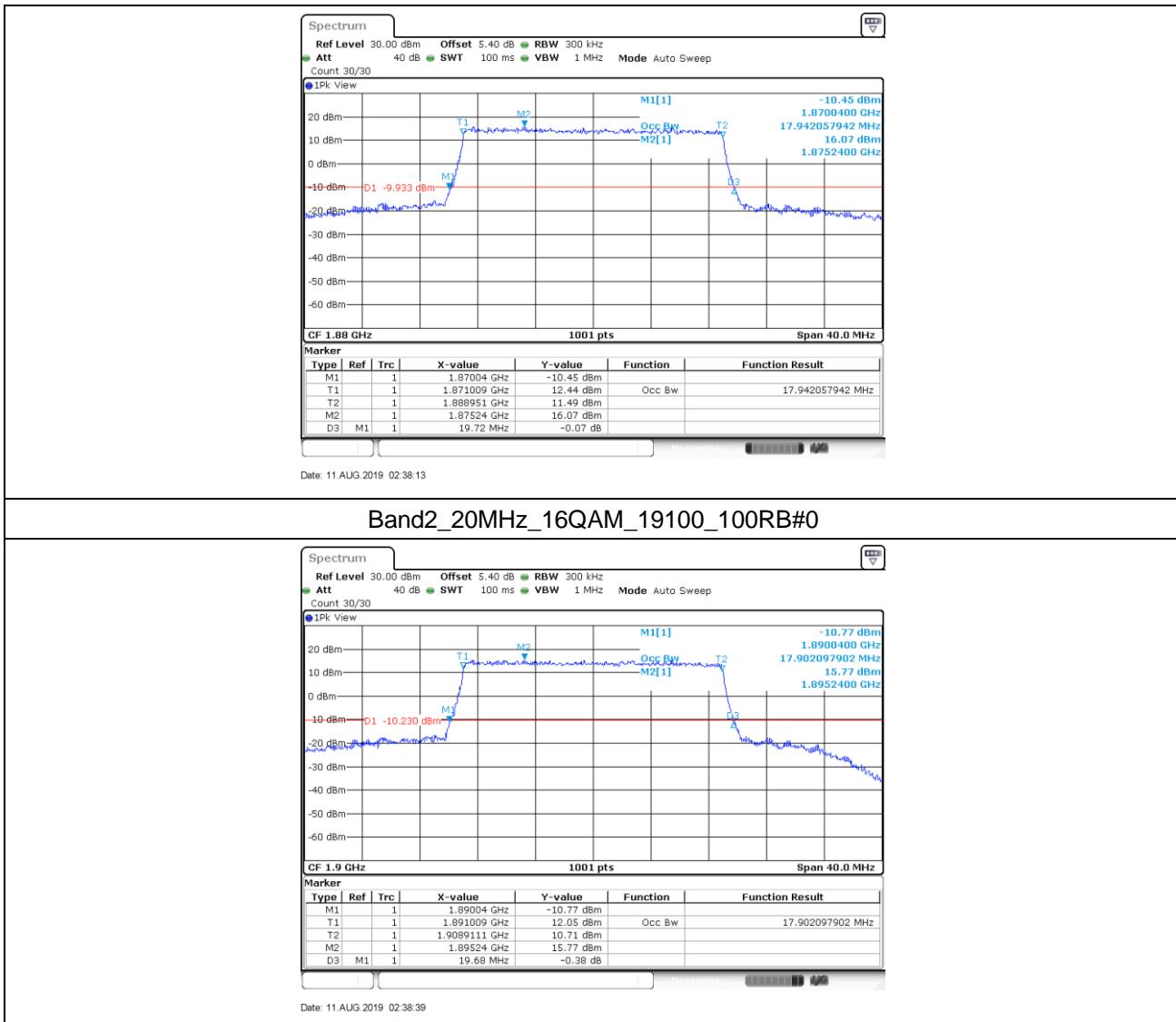
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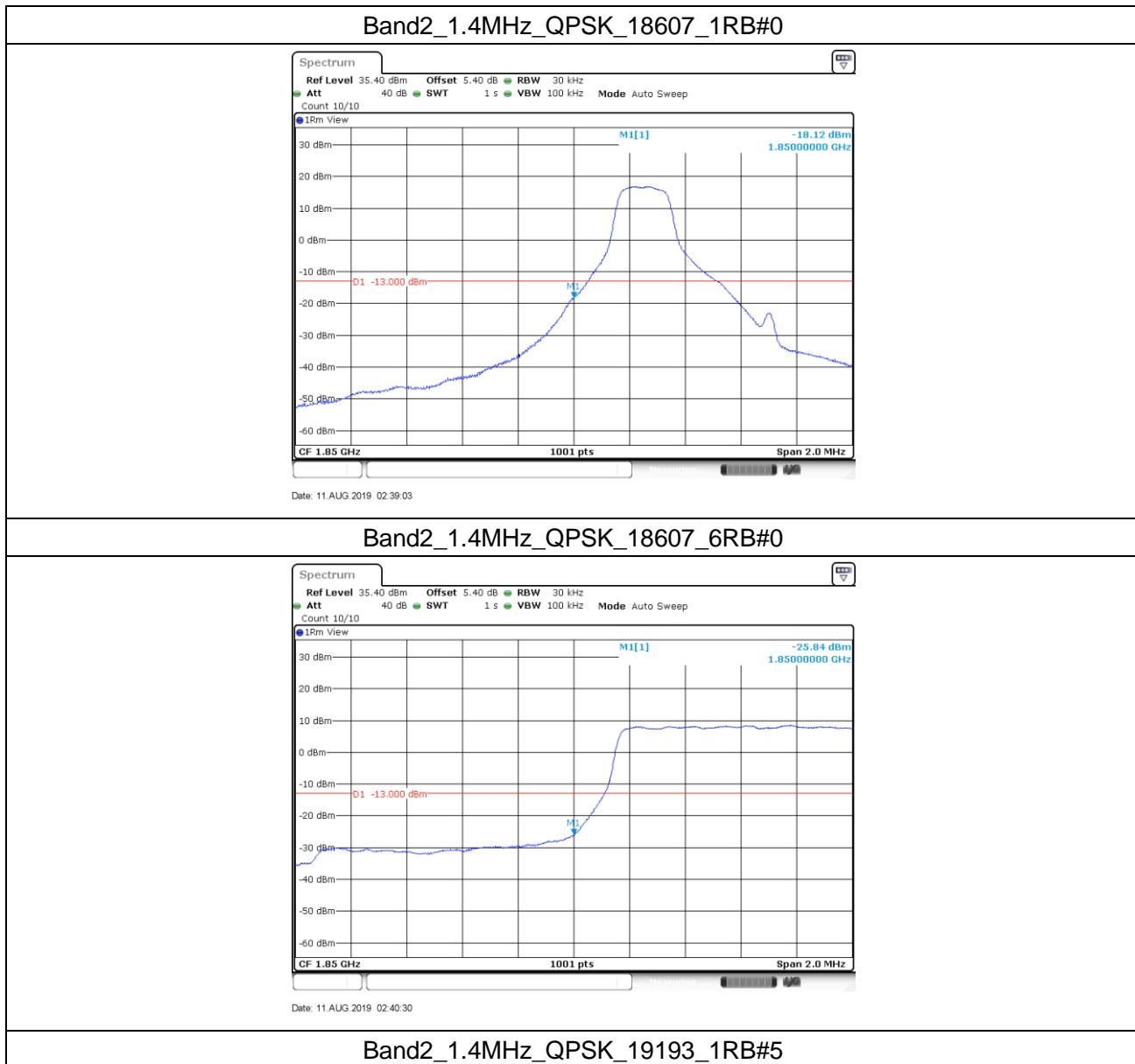
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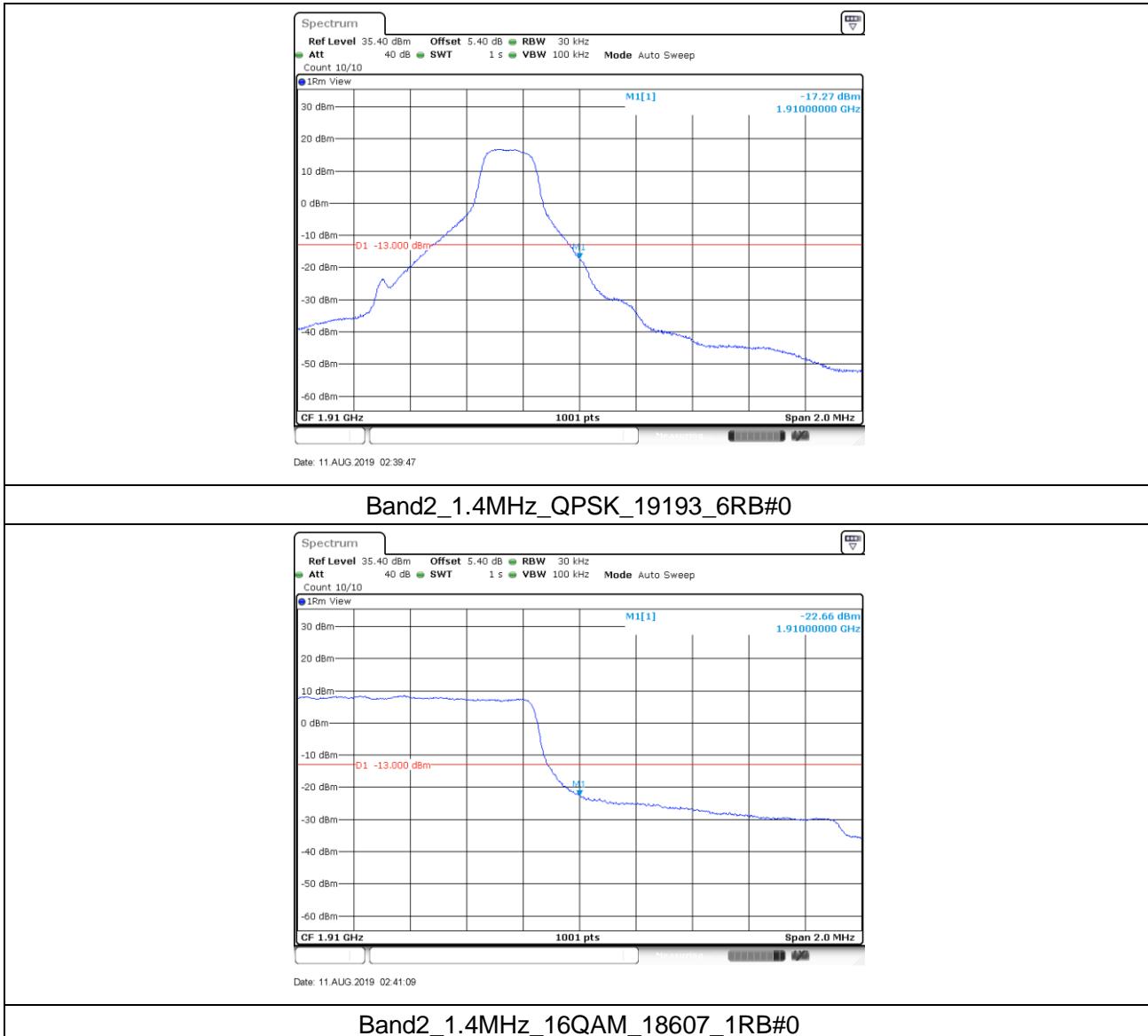
## 5. Band Edge Compliance

### 5.1. Test Plots



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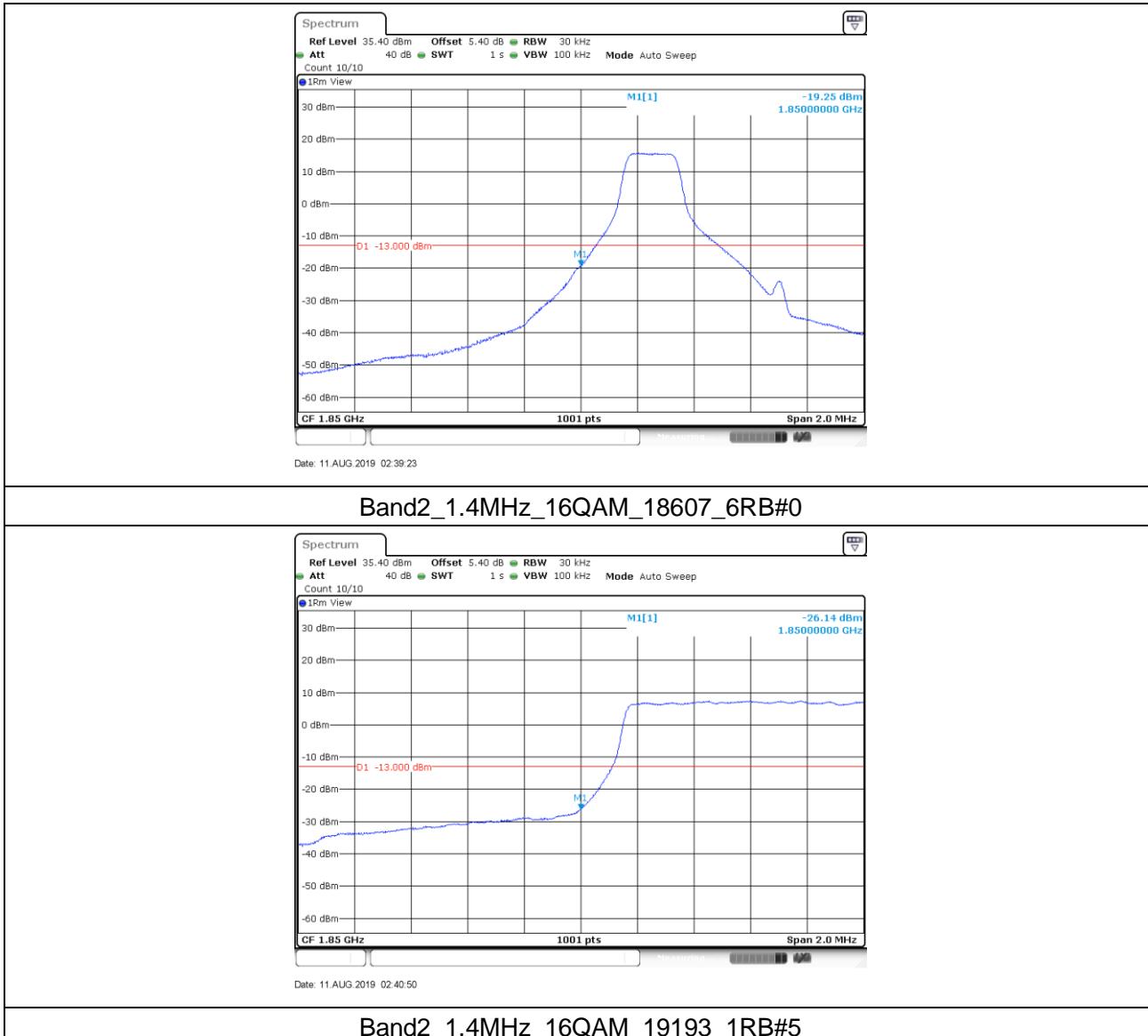


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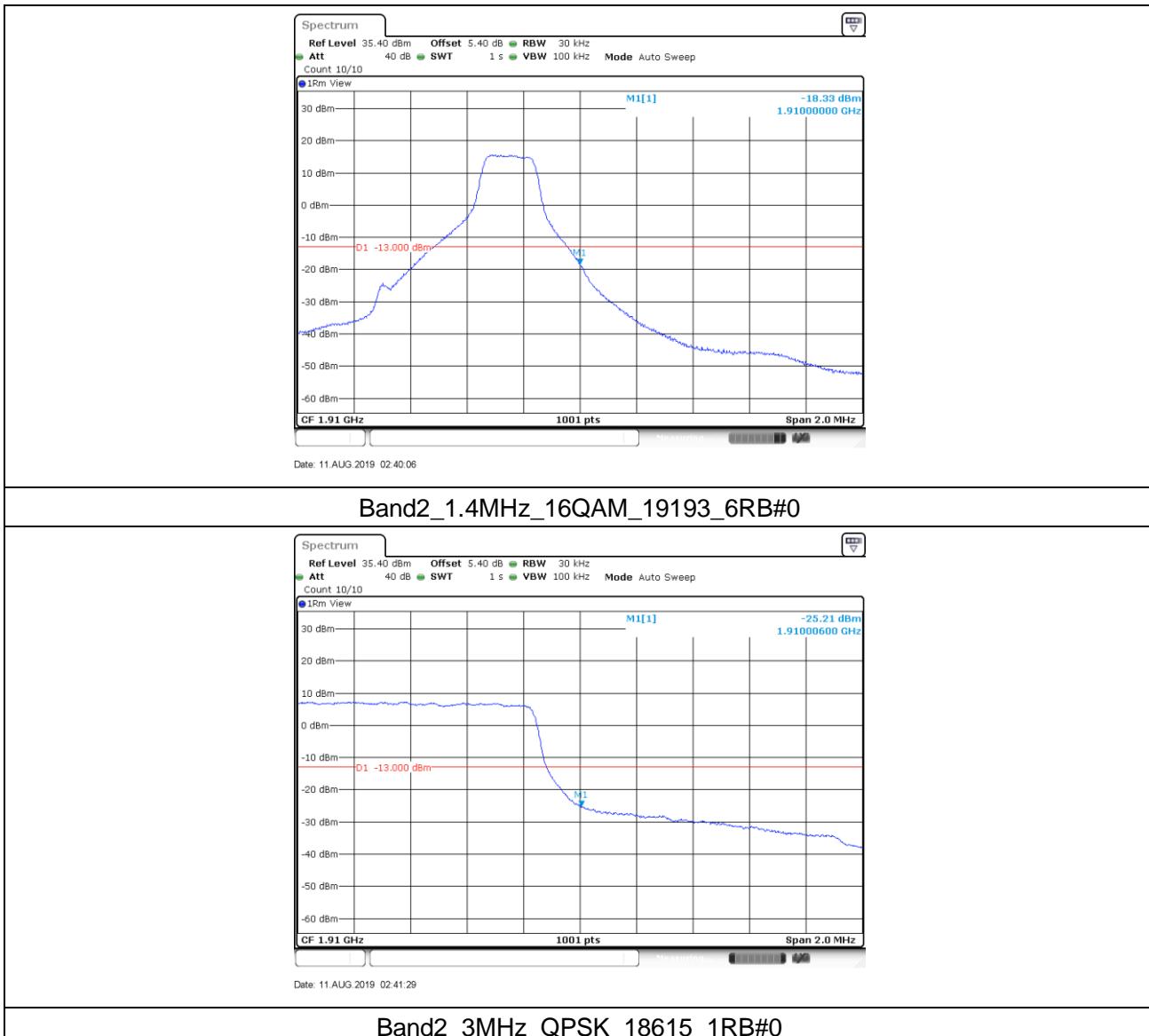


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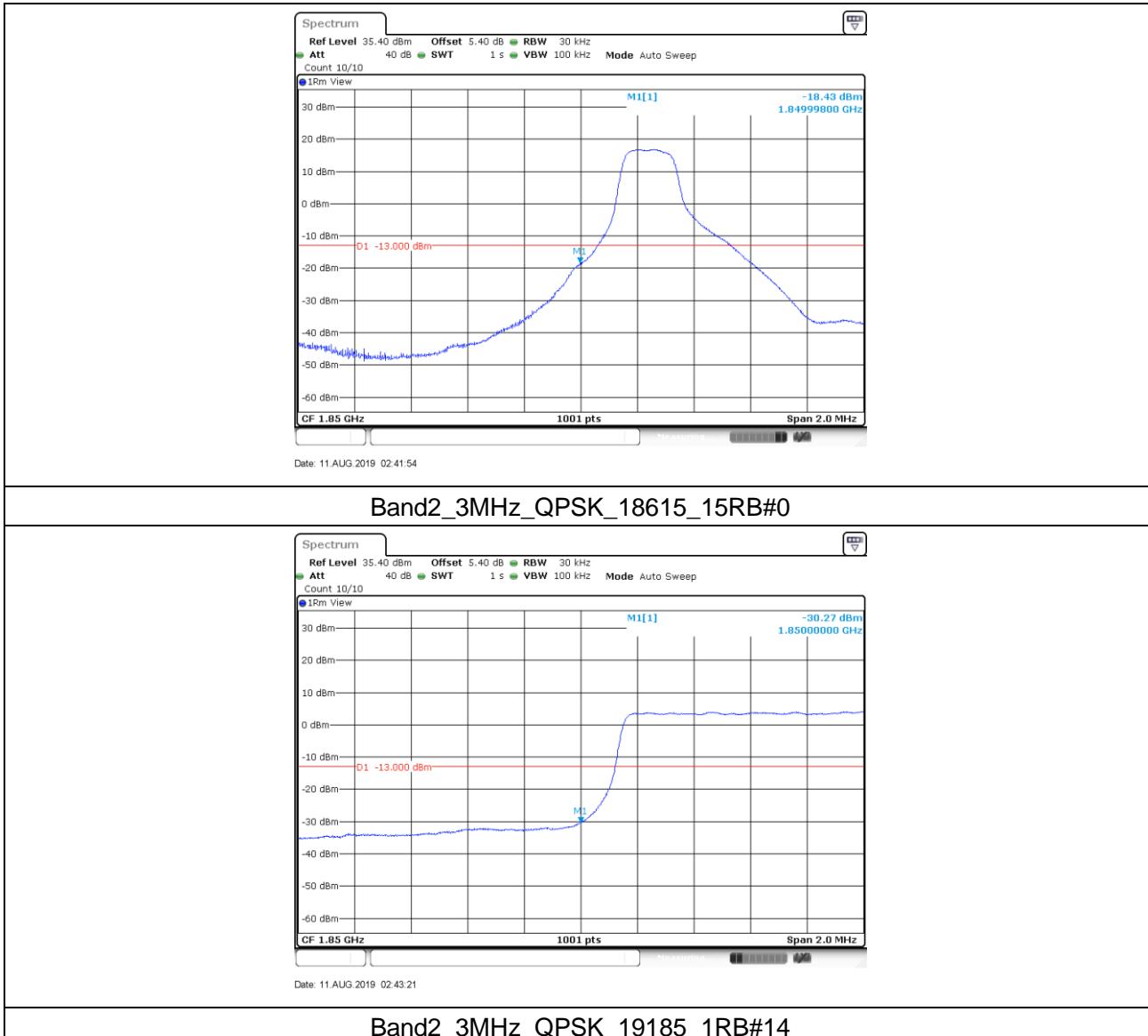


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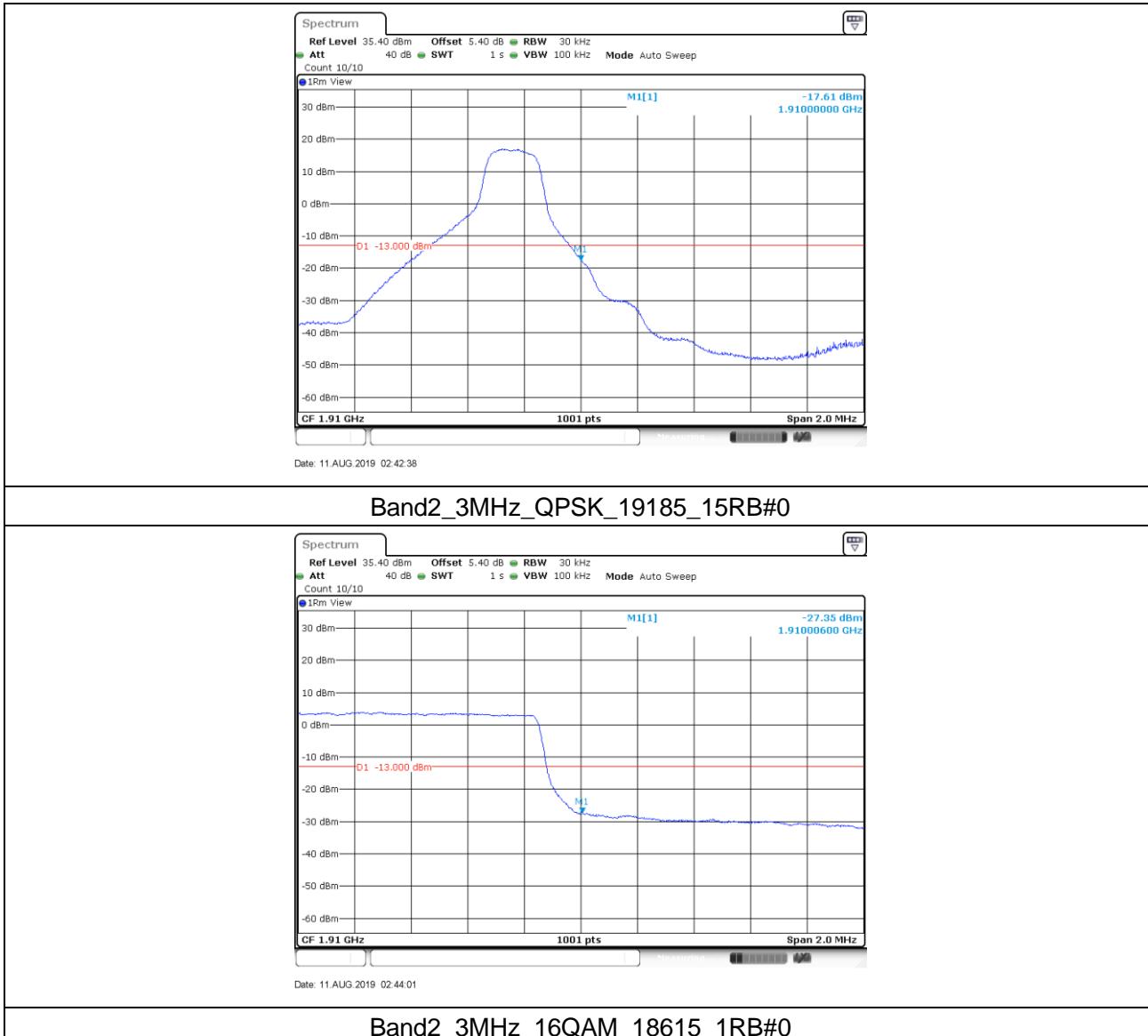


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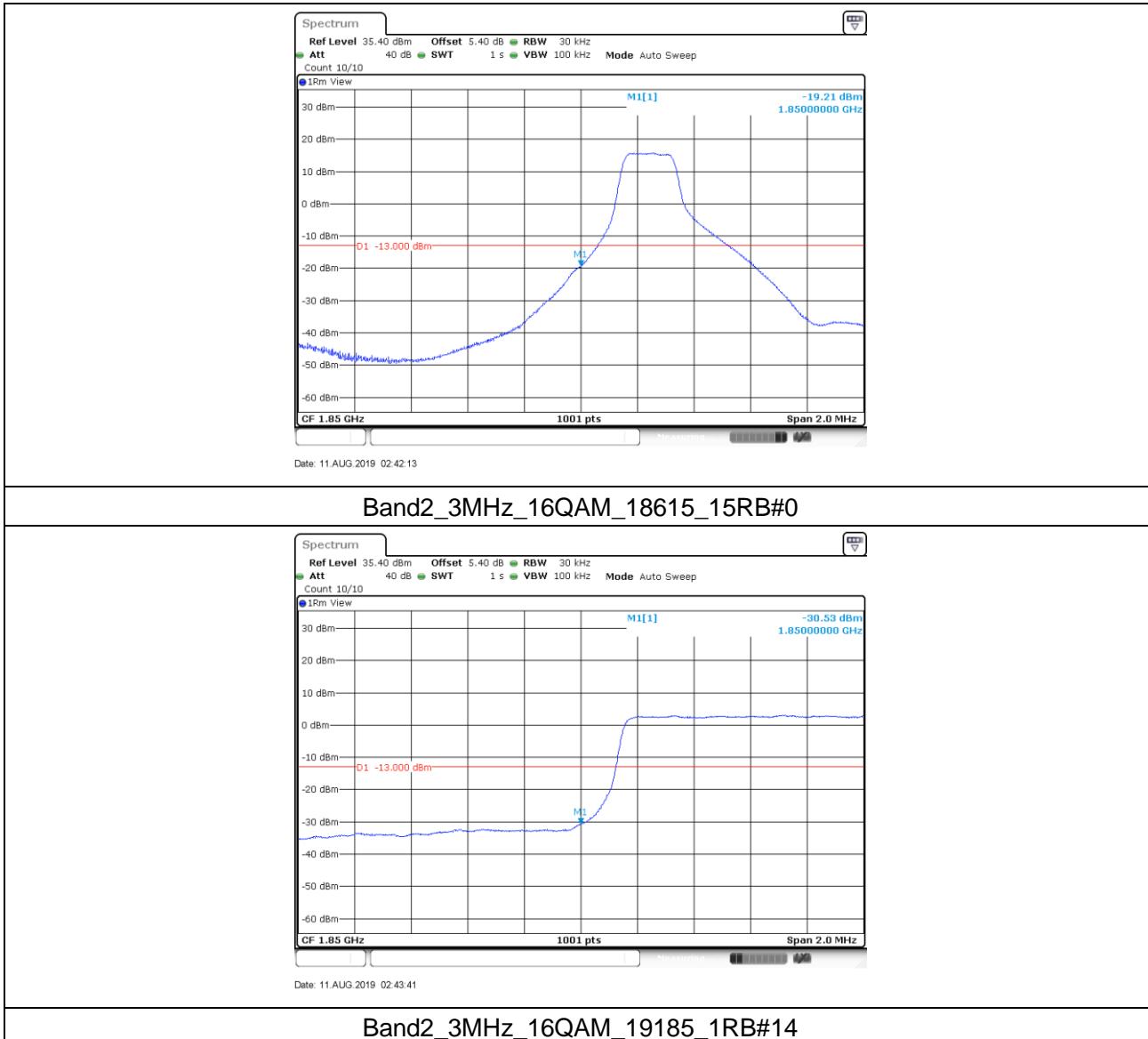


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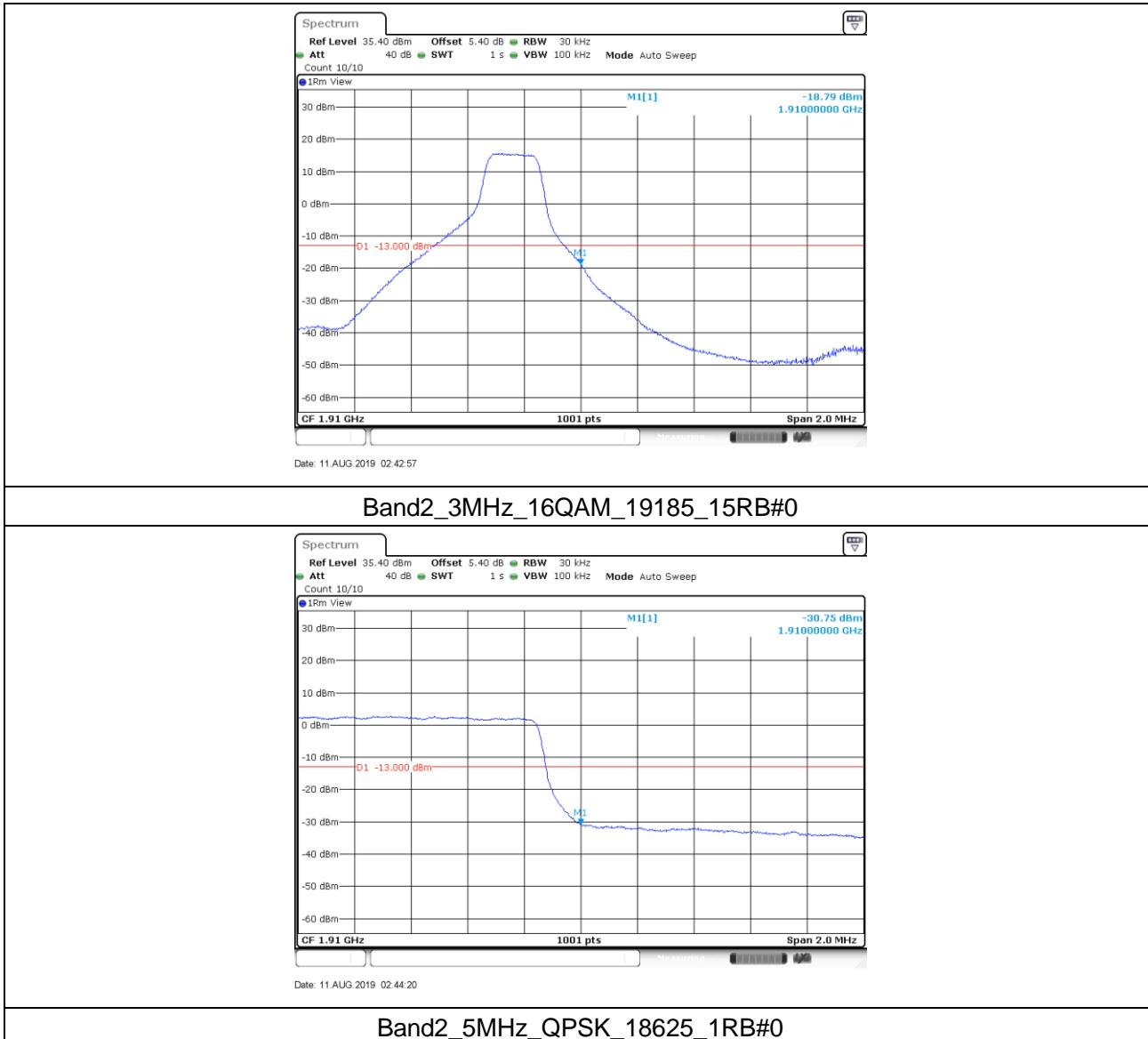


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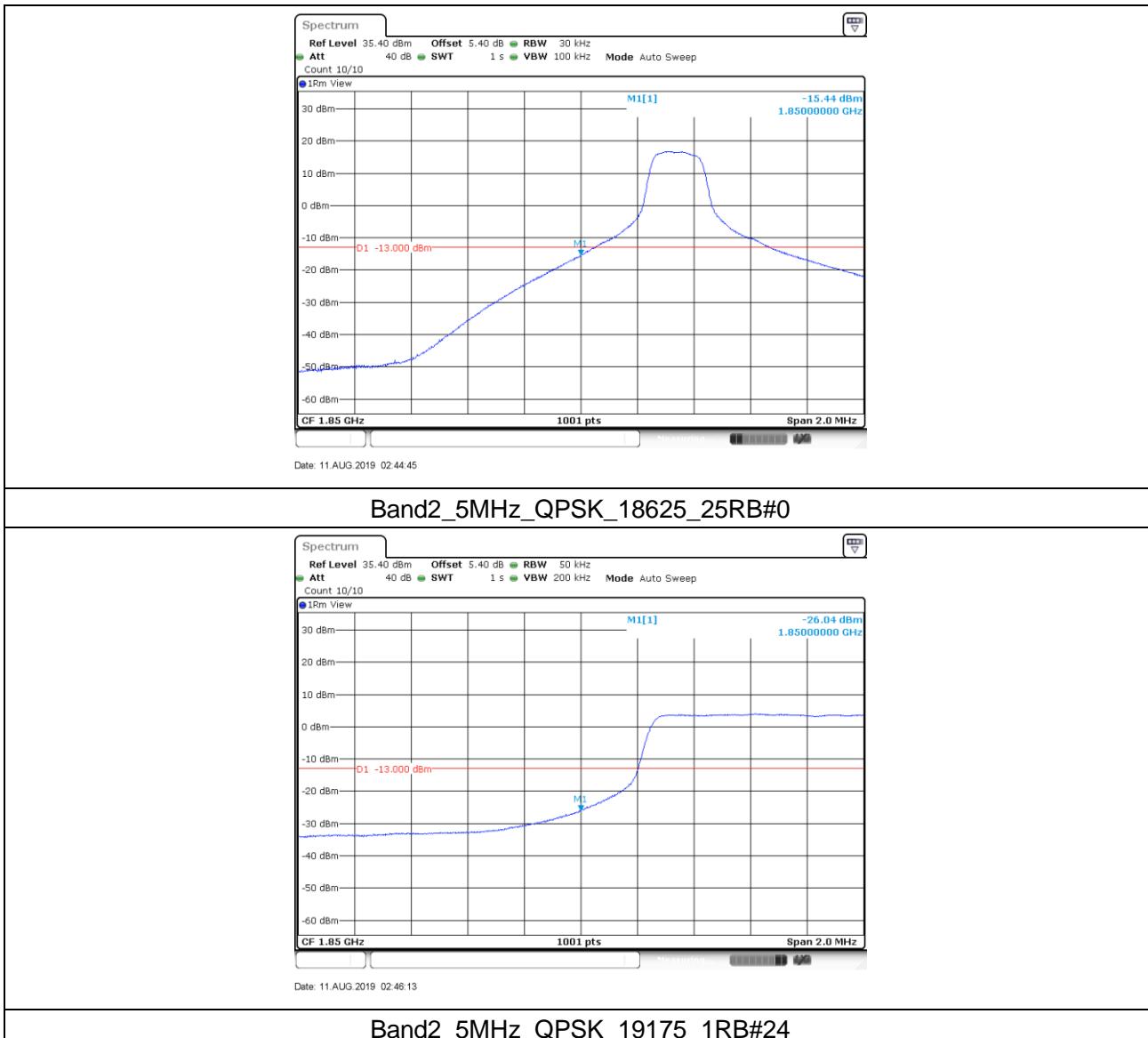


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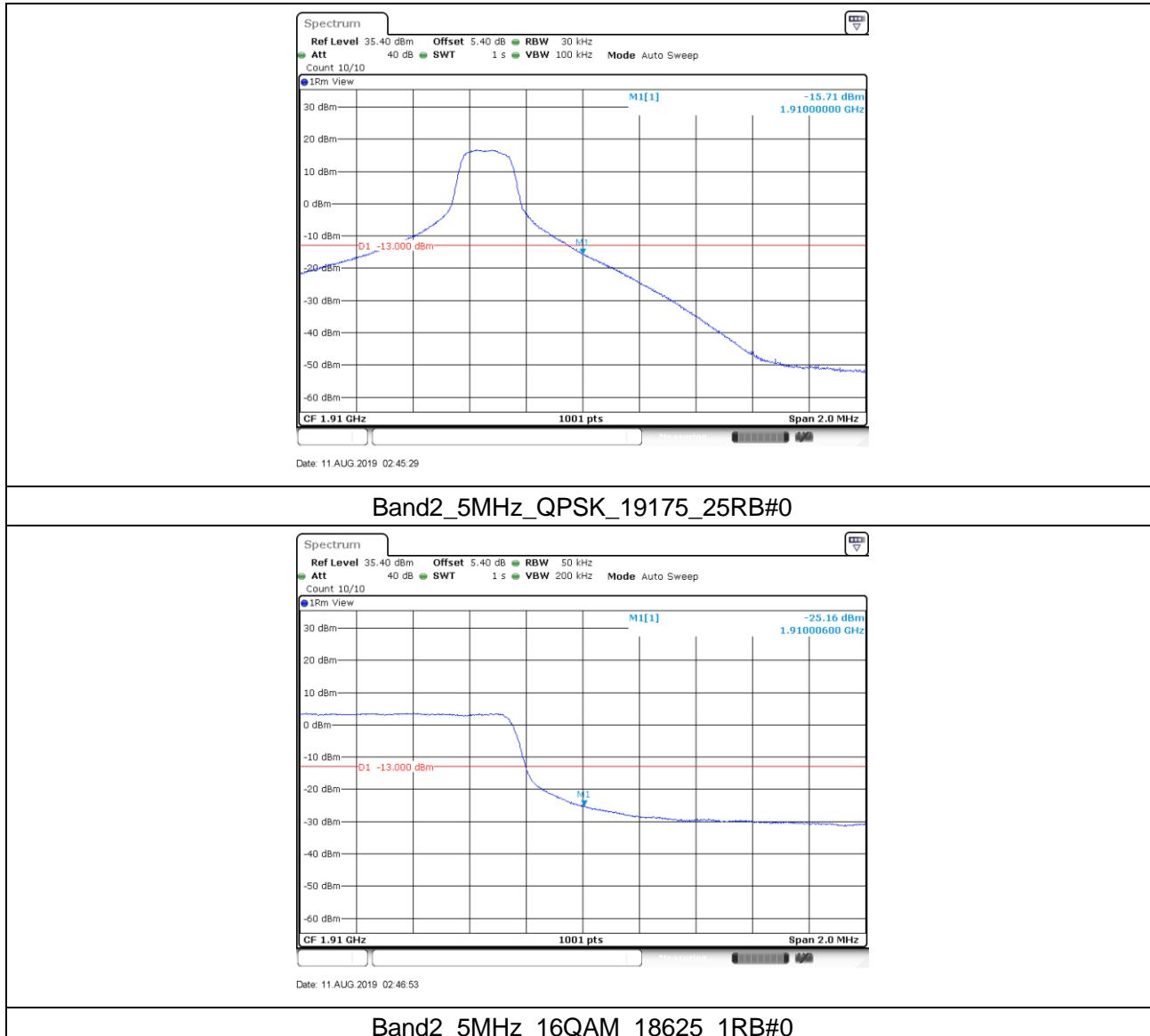
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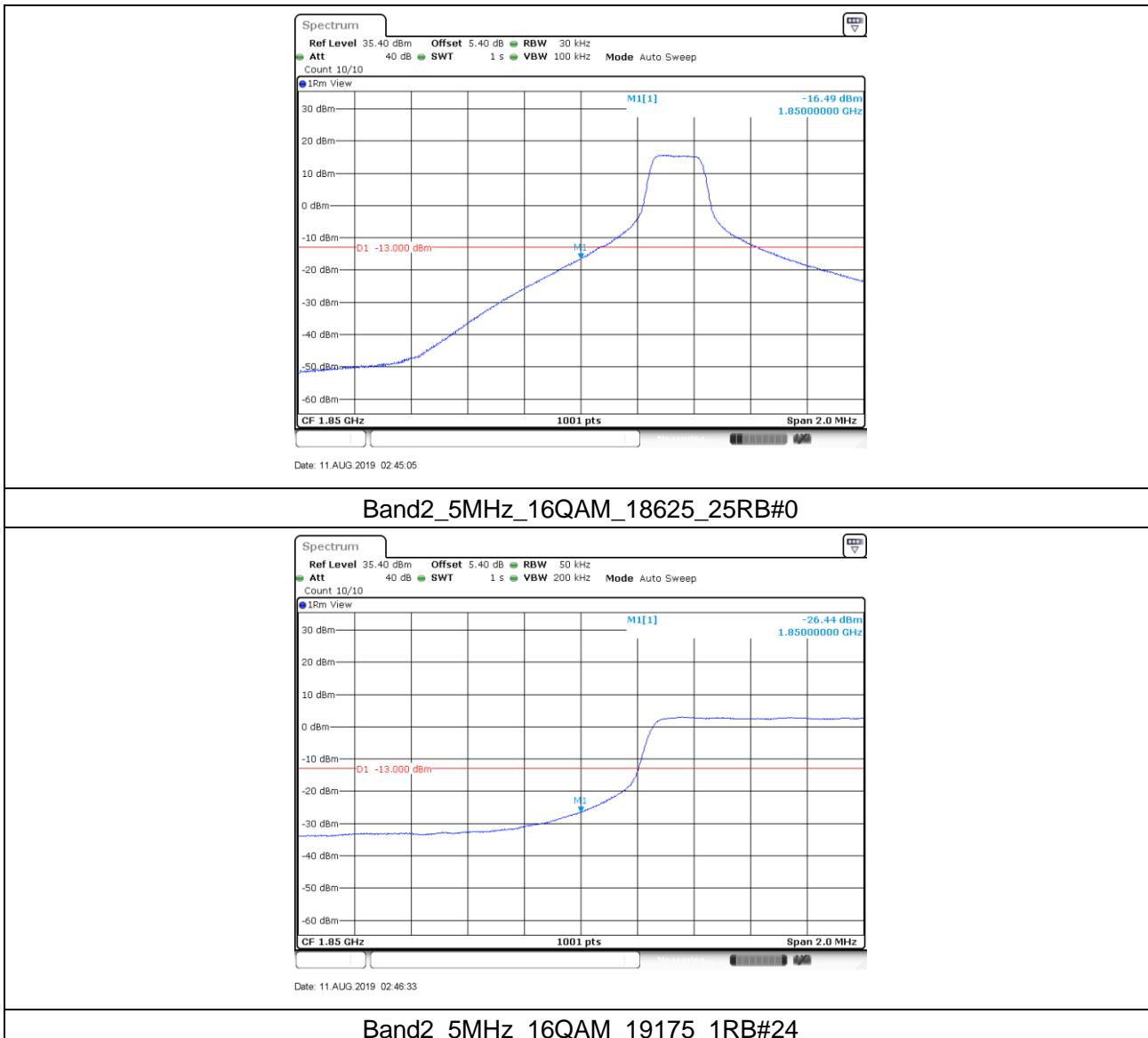


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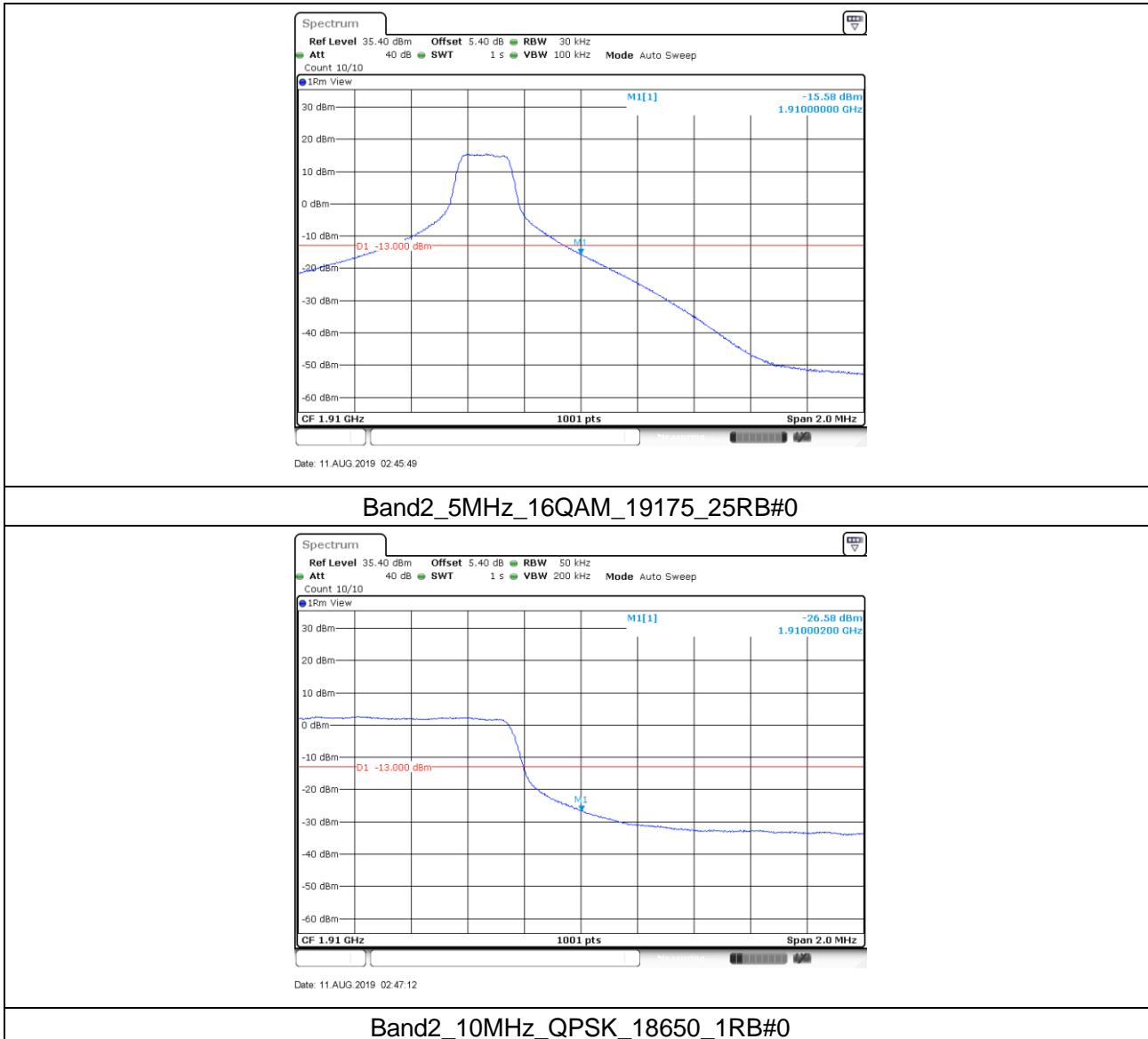


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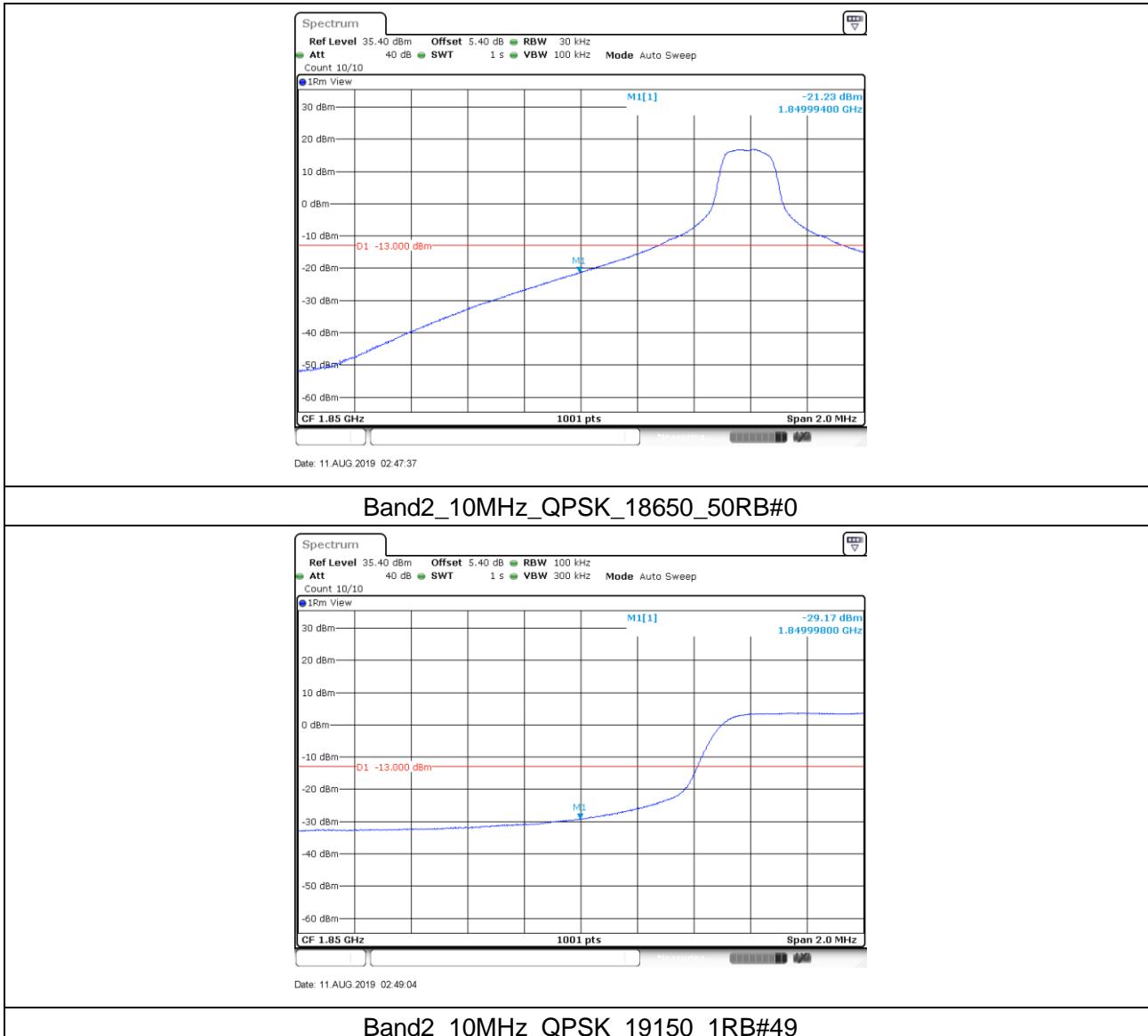


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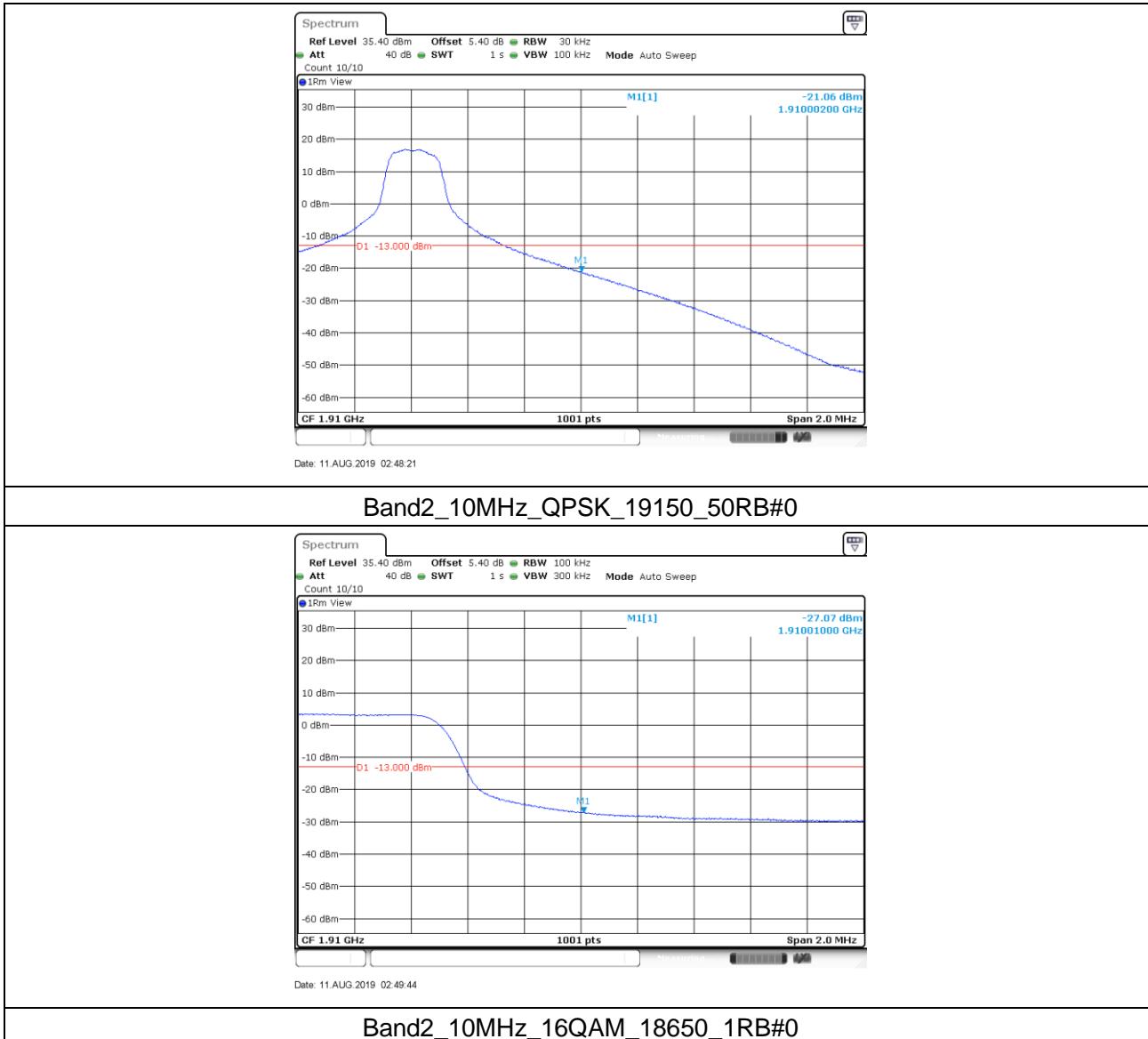


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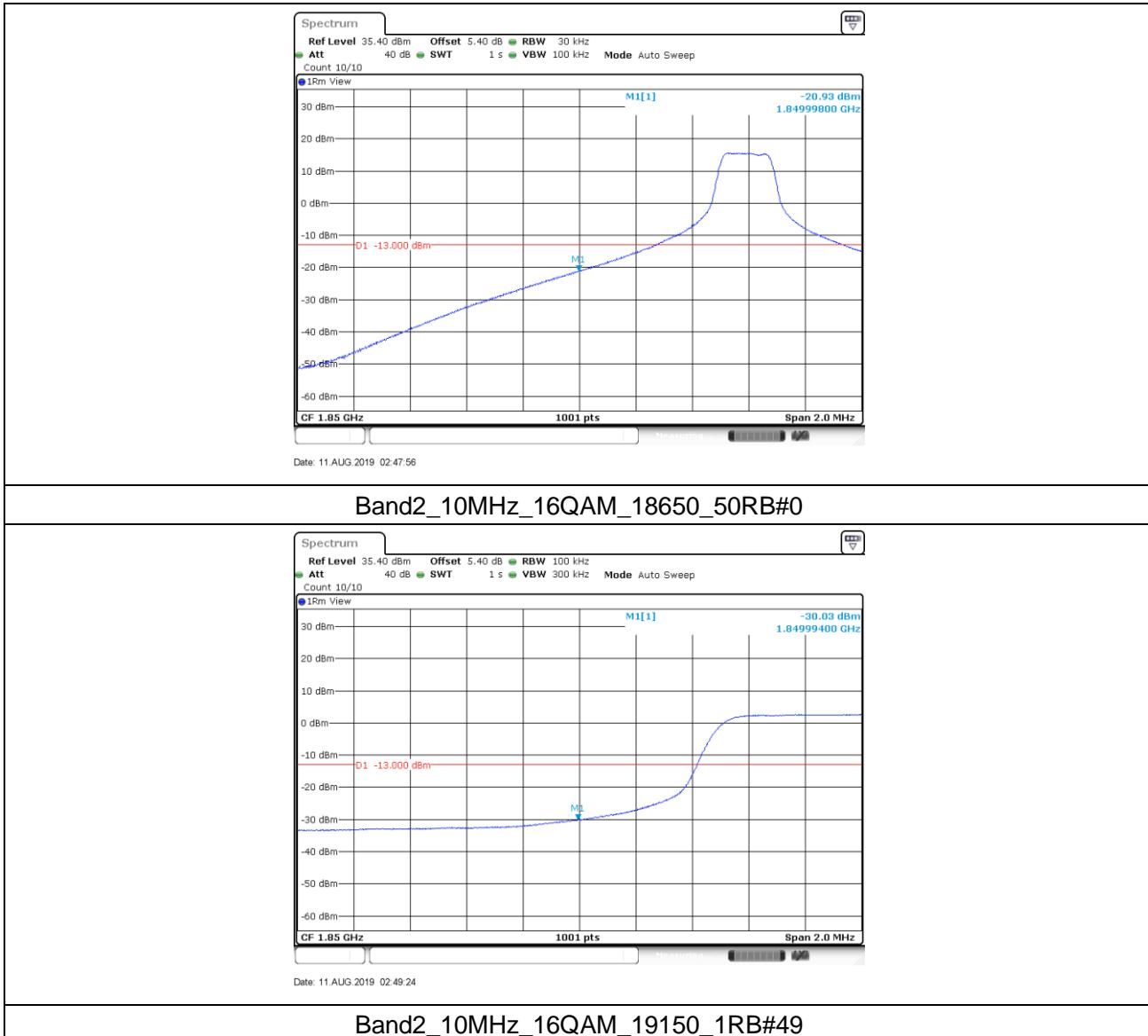


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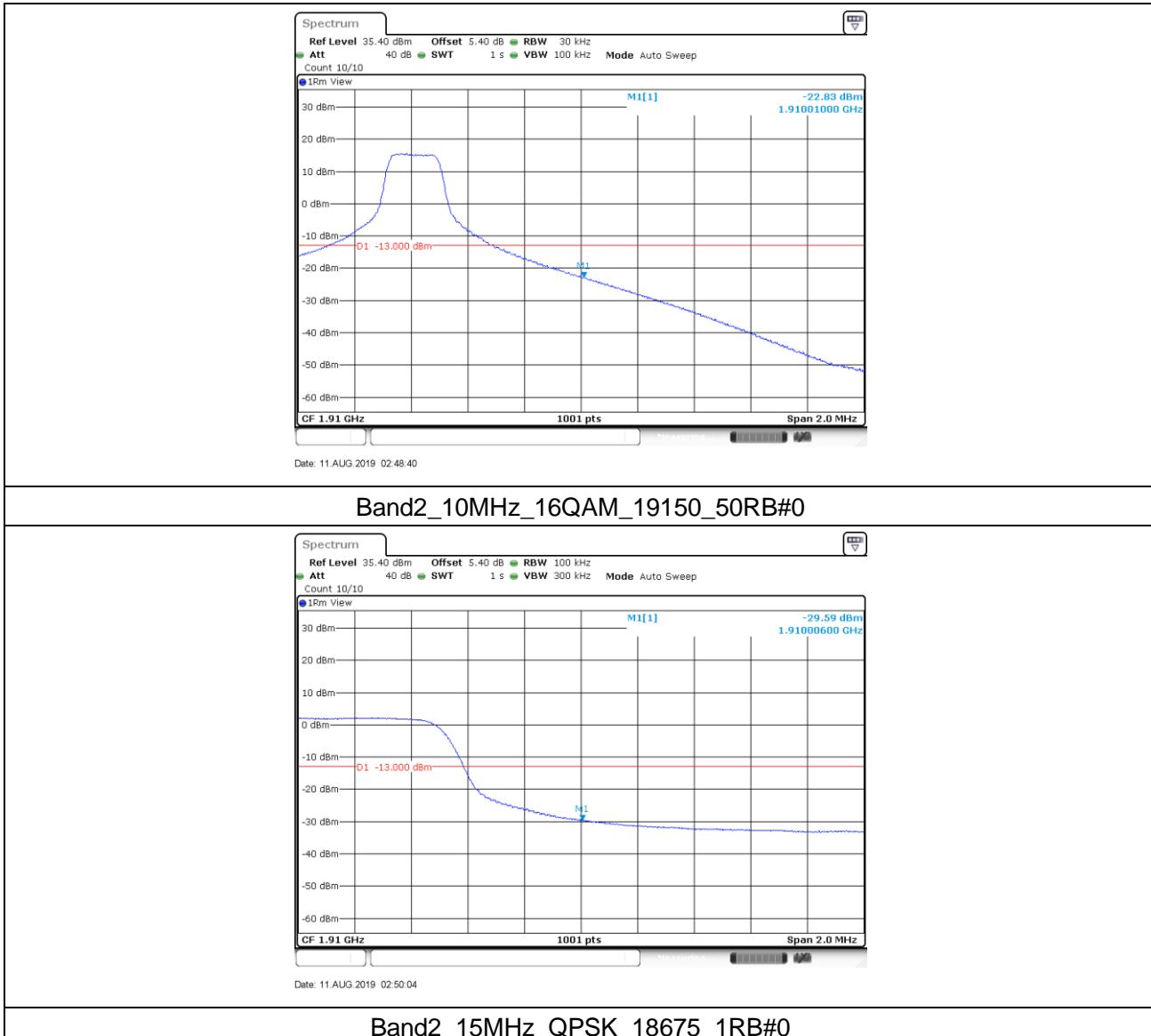
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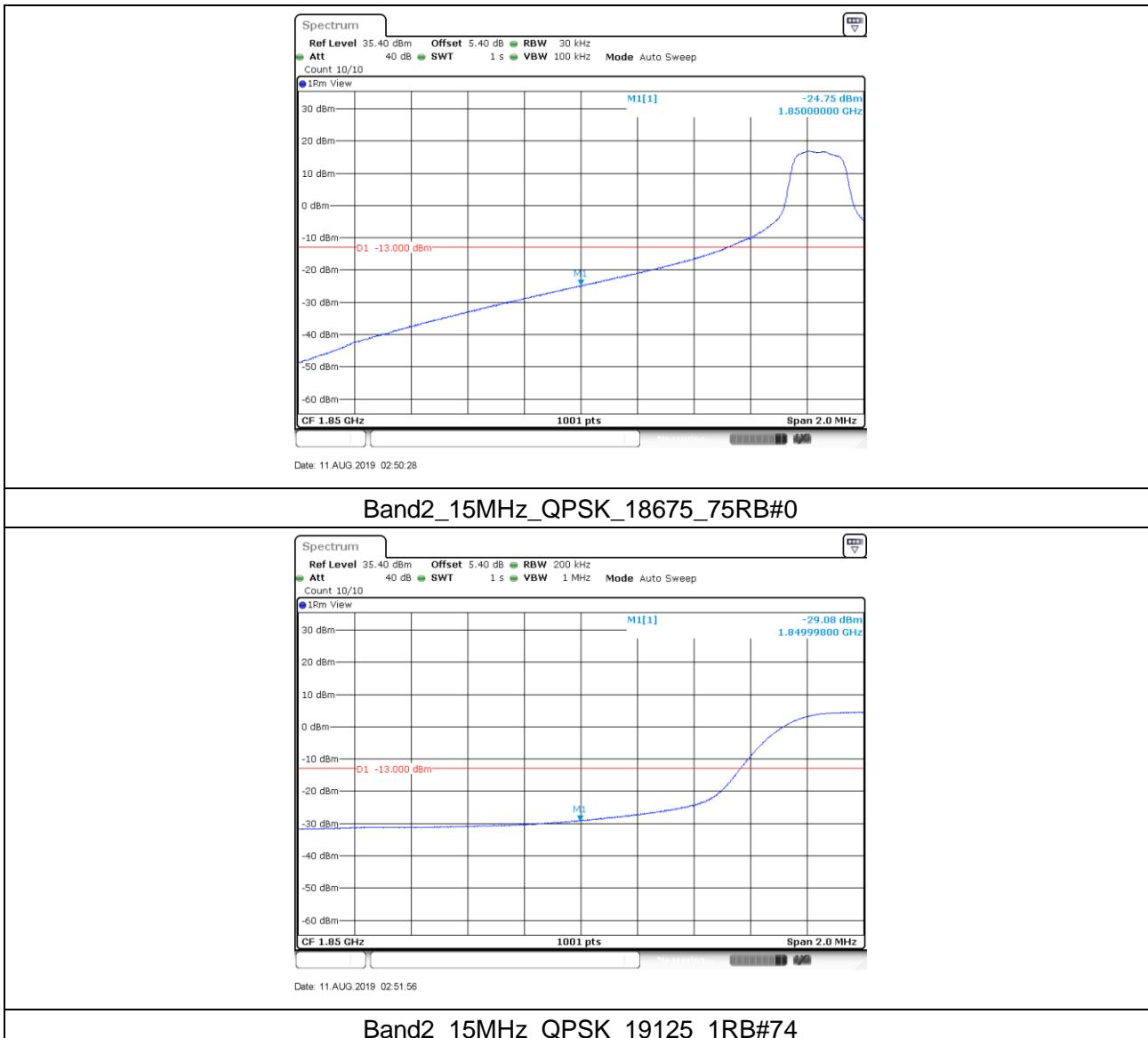


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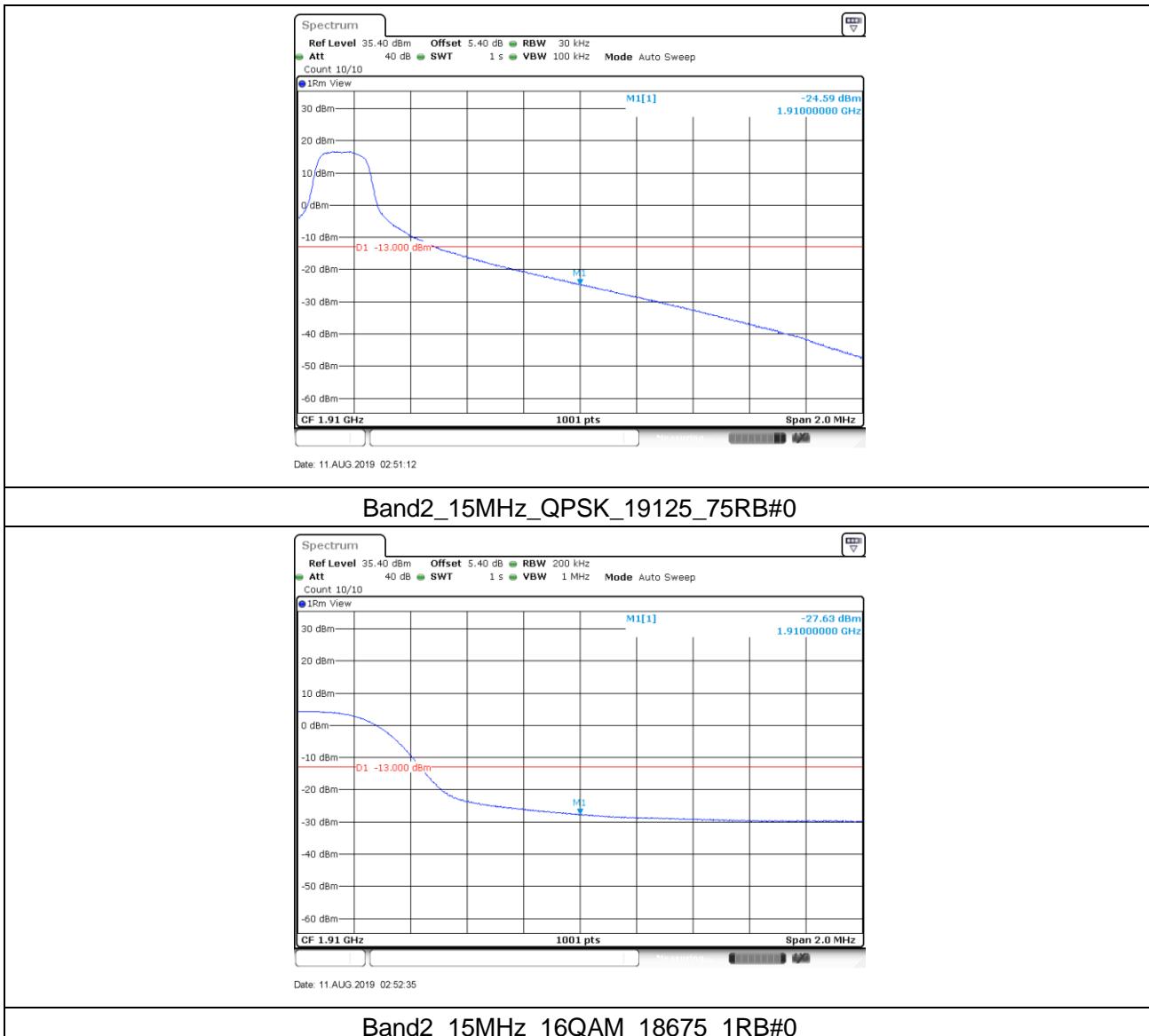
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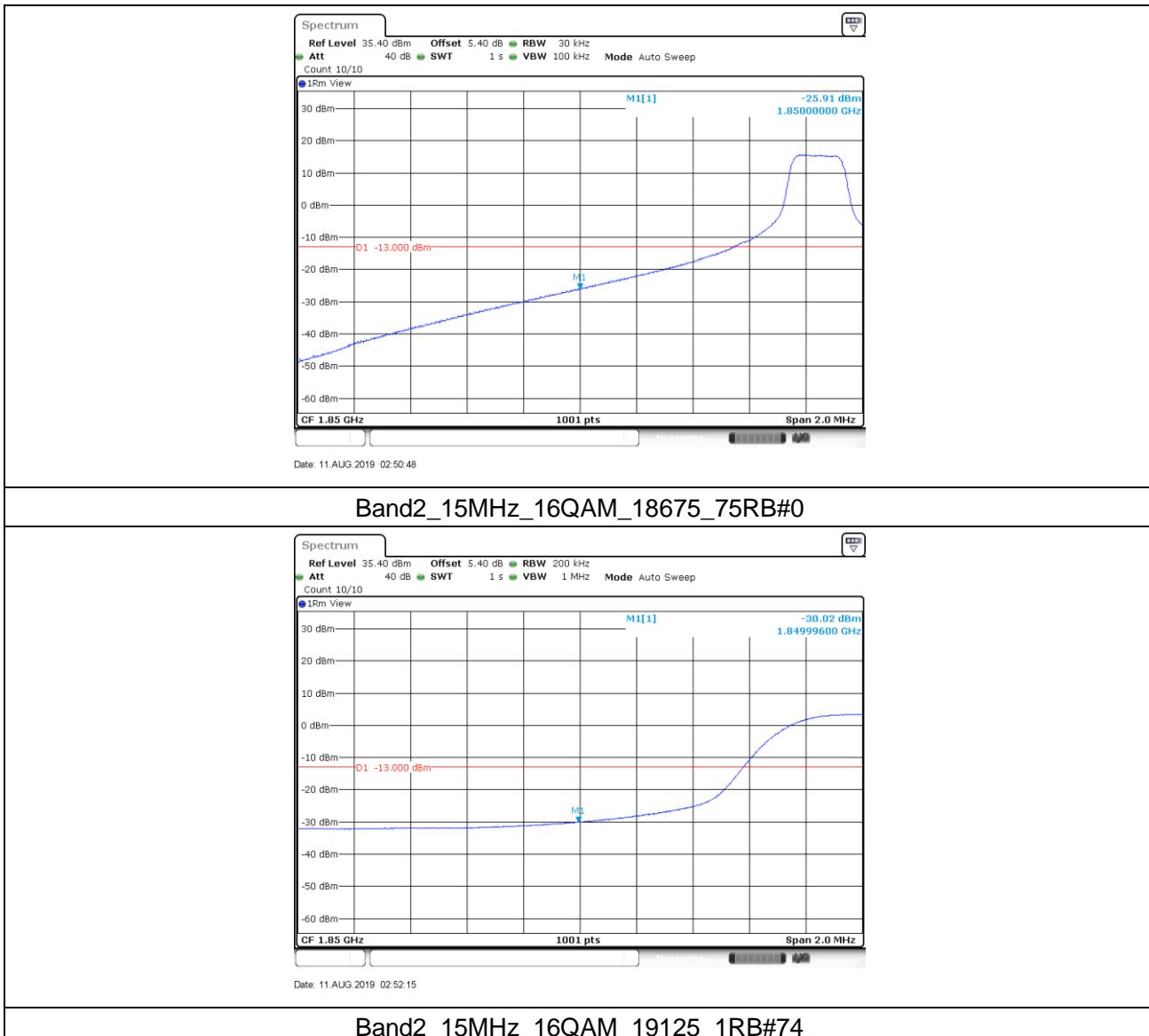


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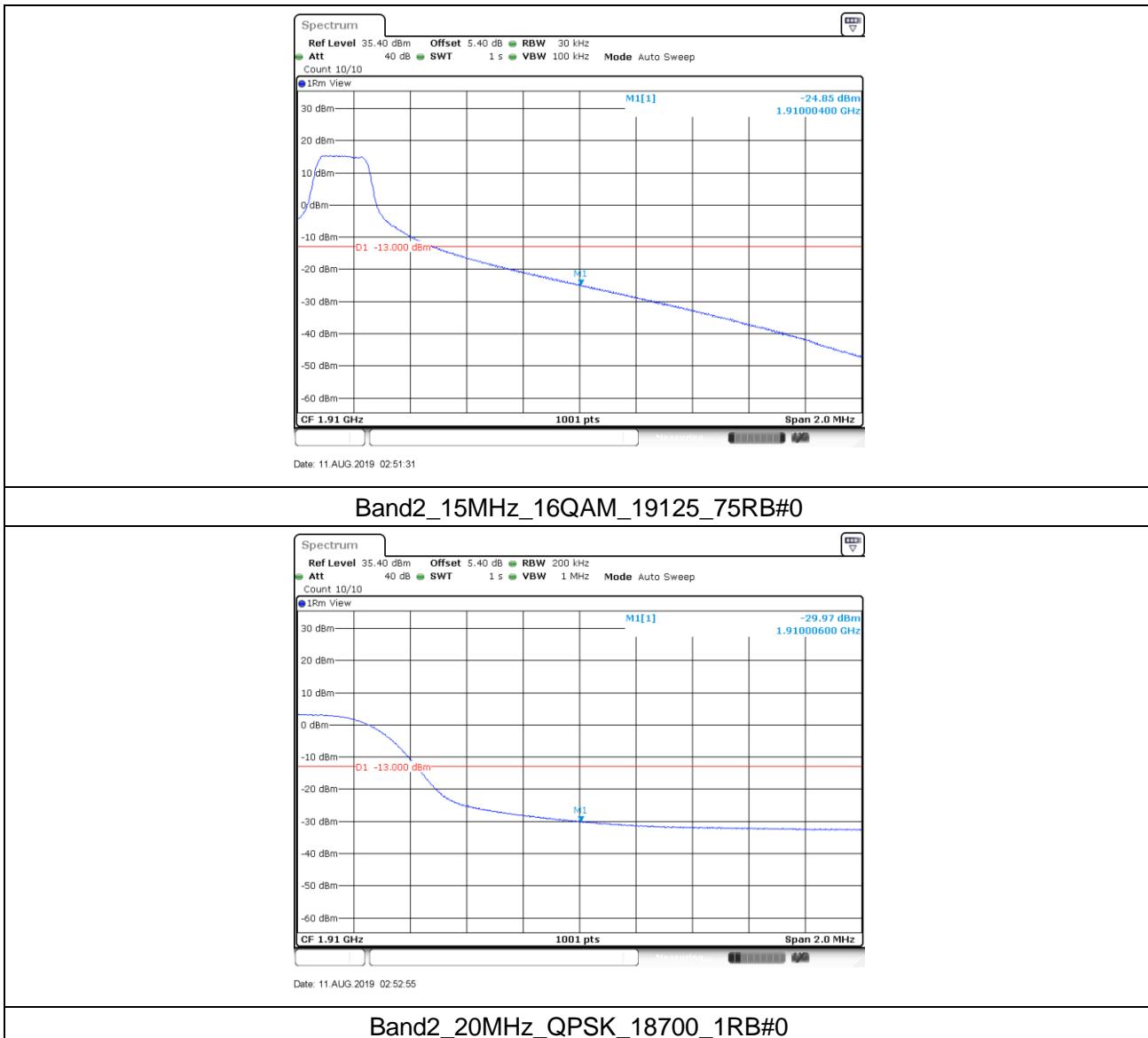


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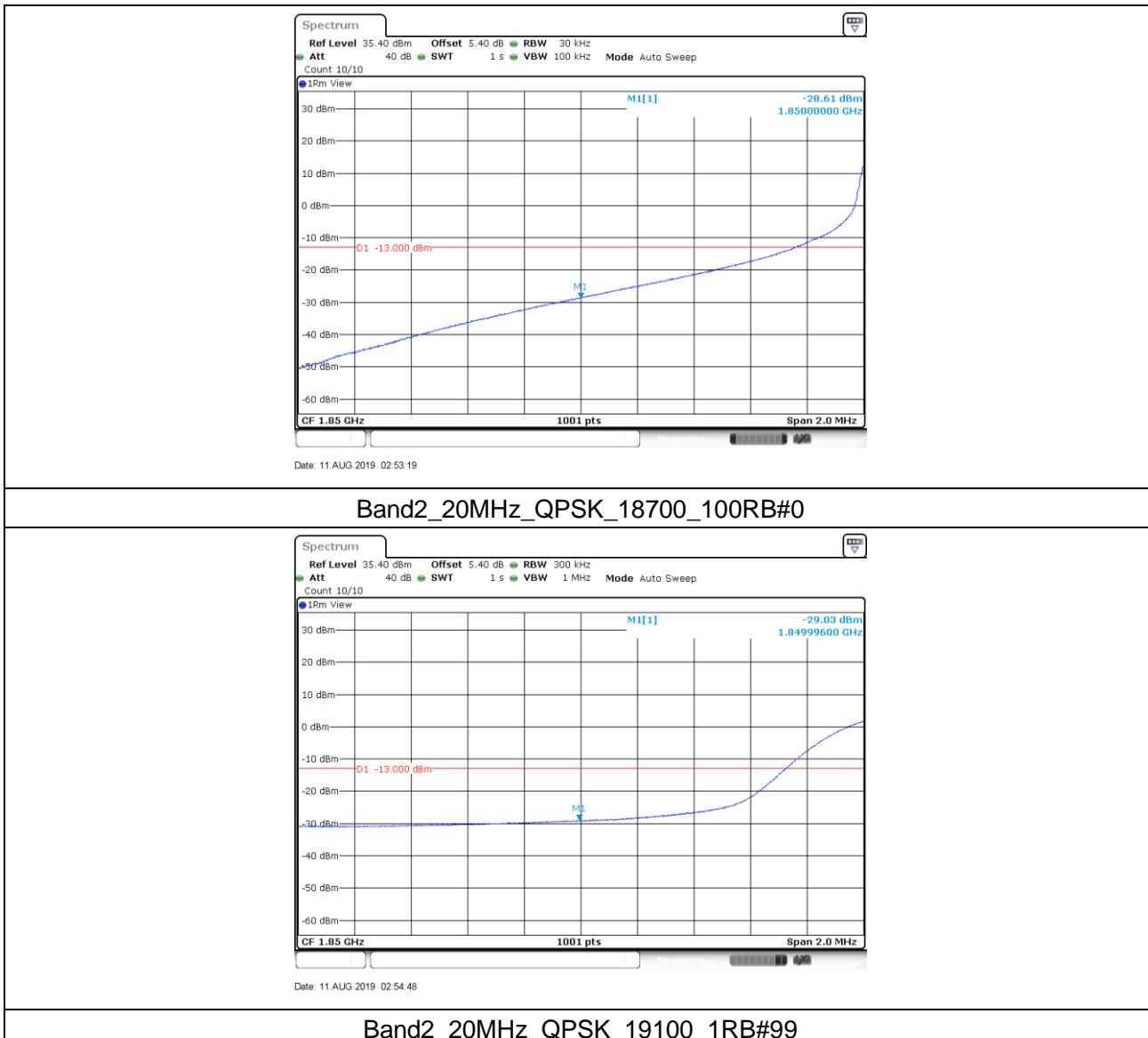
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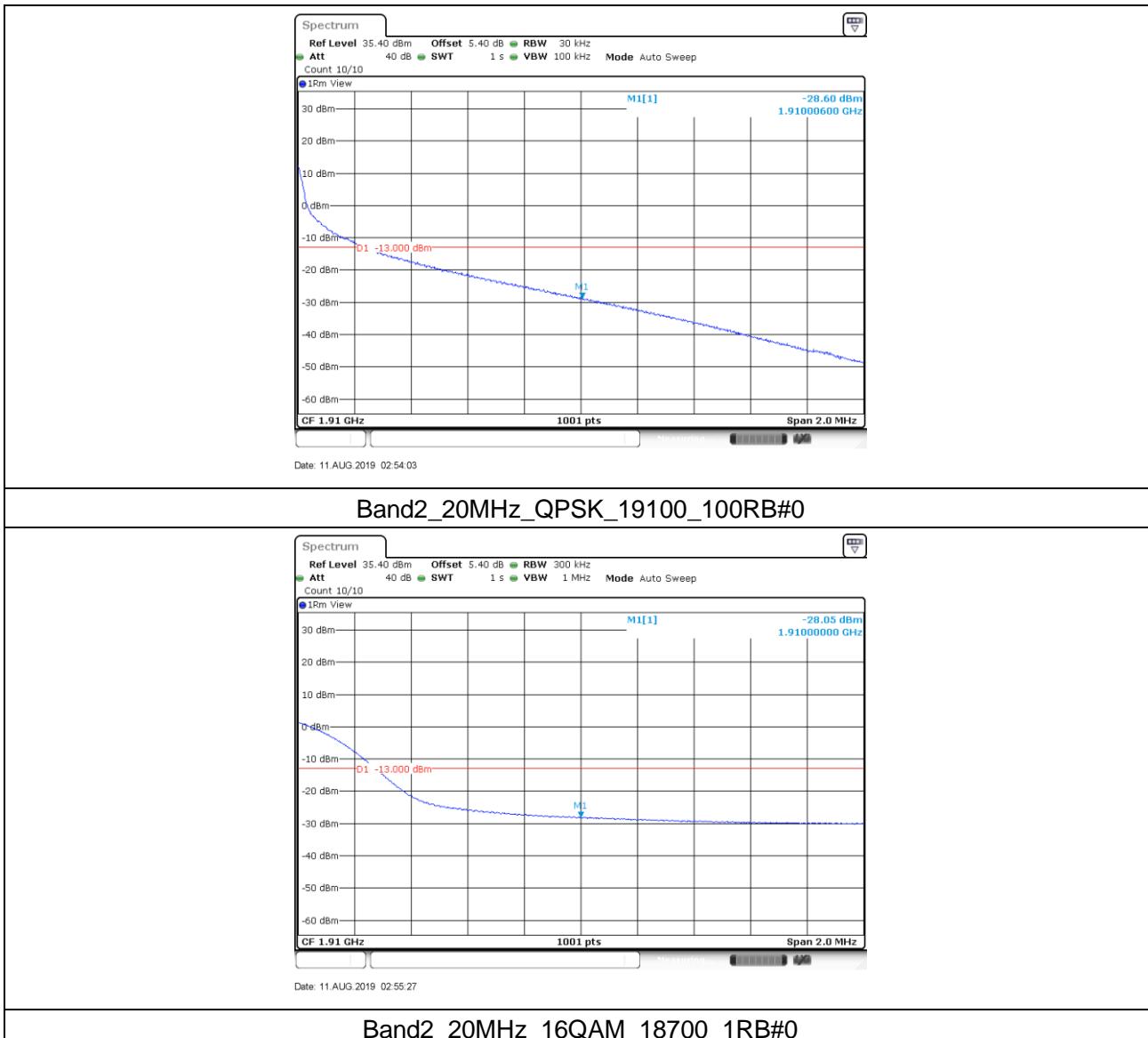


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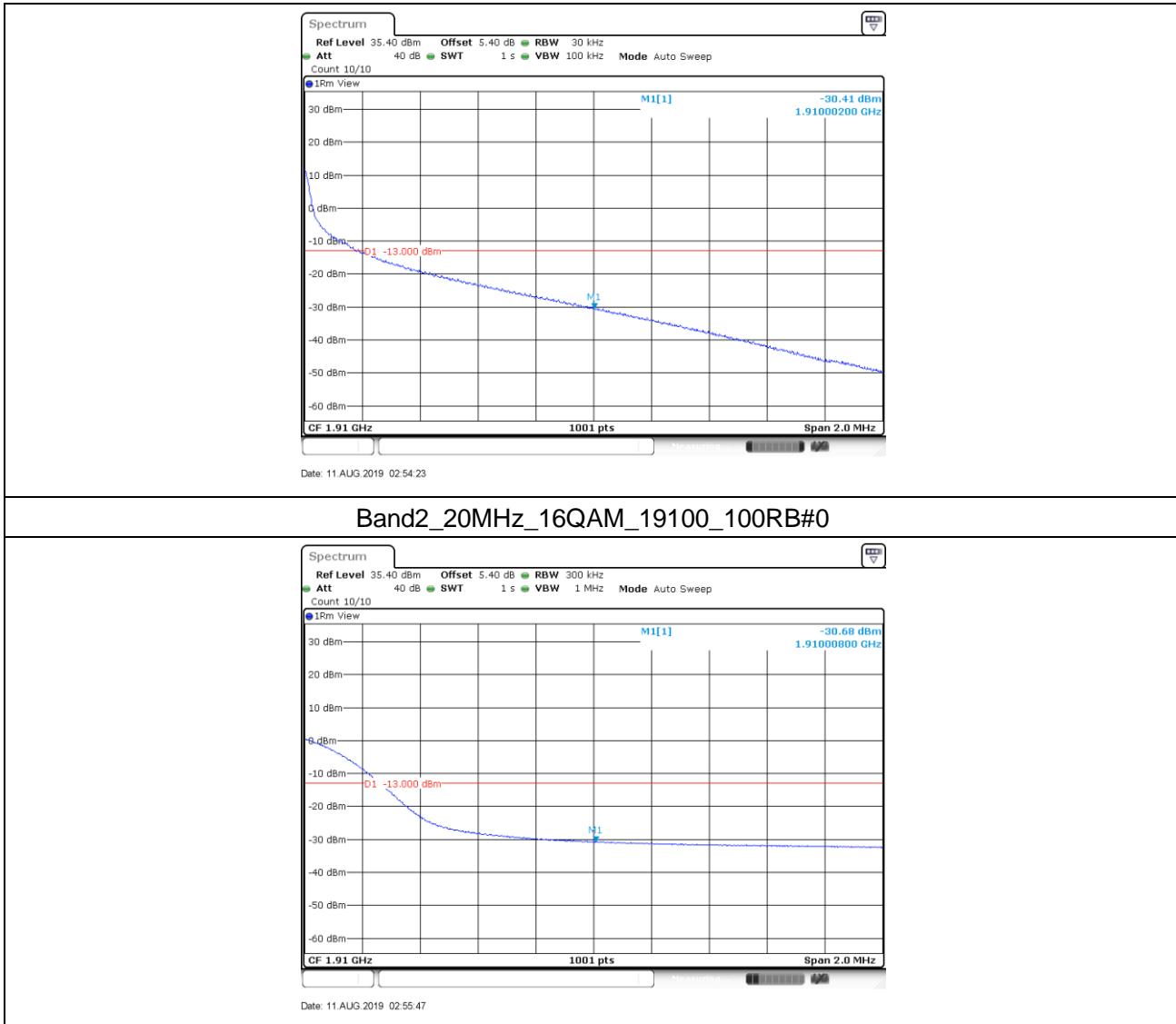


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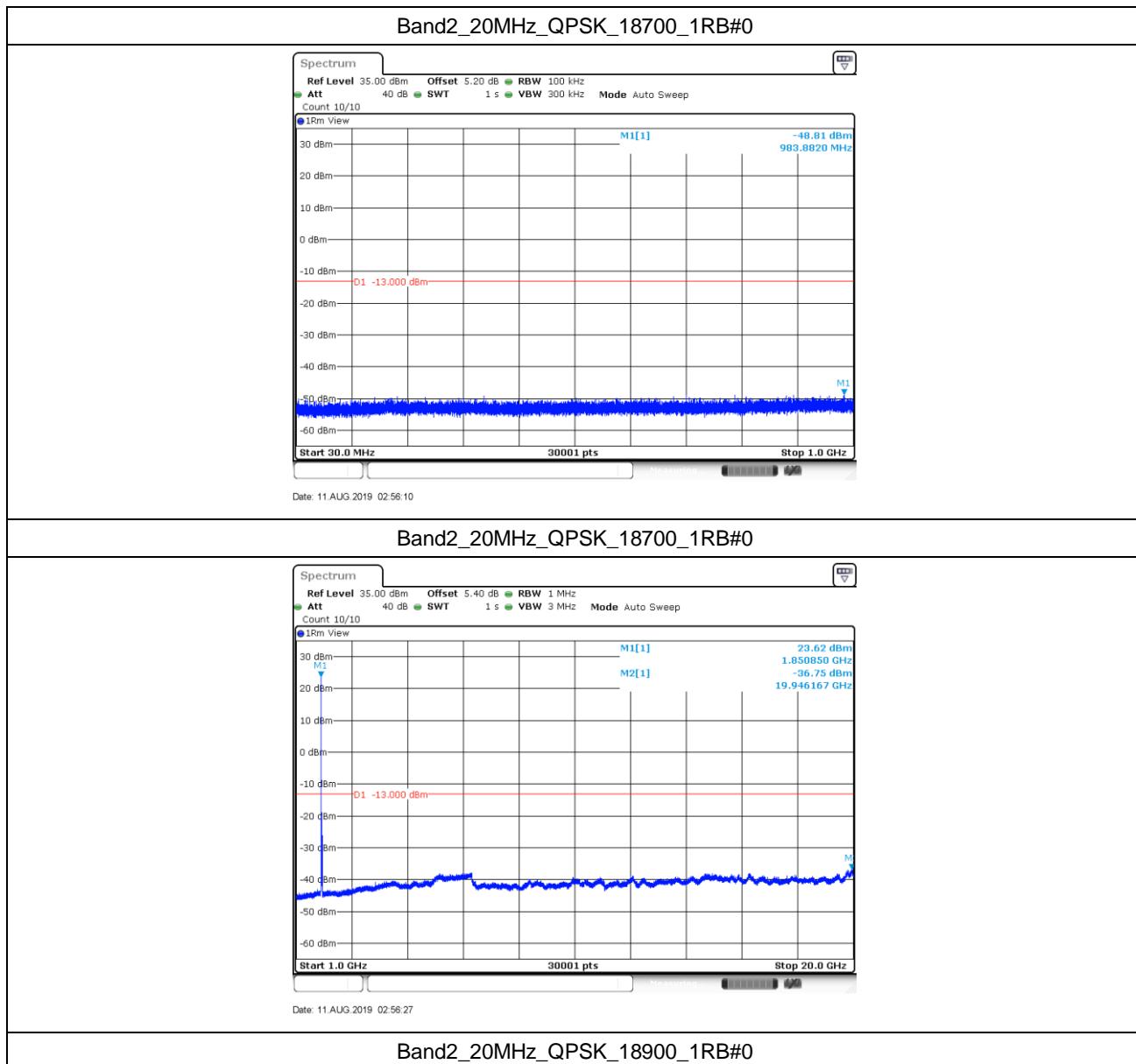
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## 6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< \text{RBW}/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k \* (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

### 6.1. Test Plots



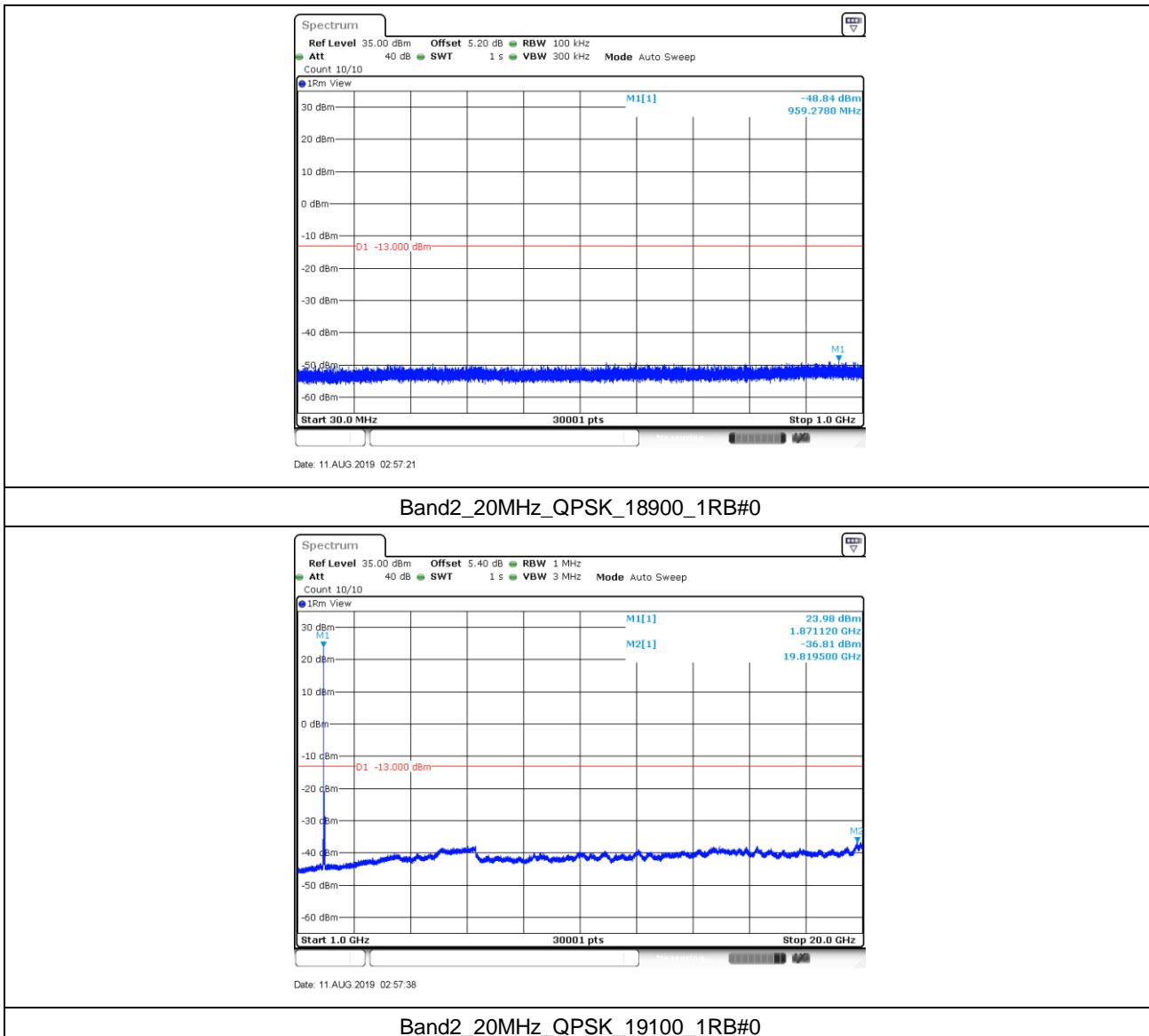
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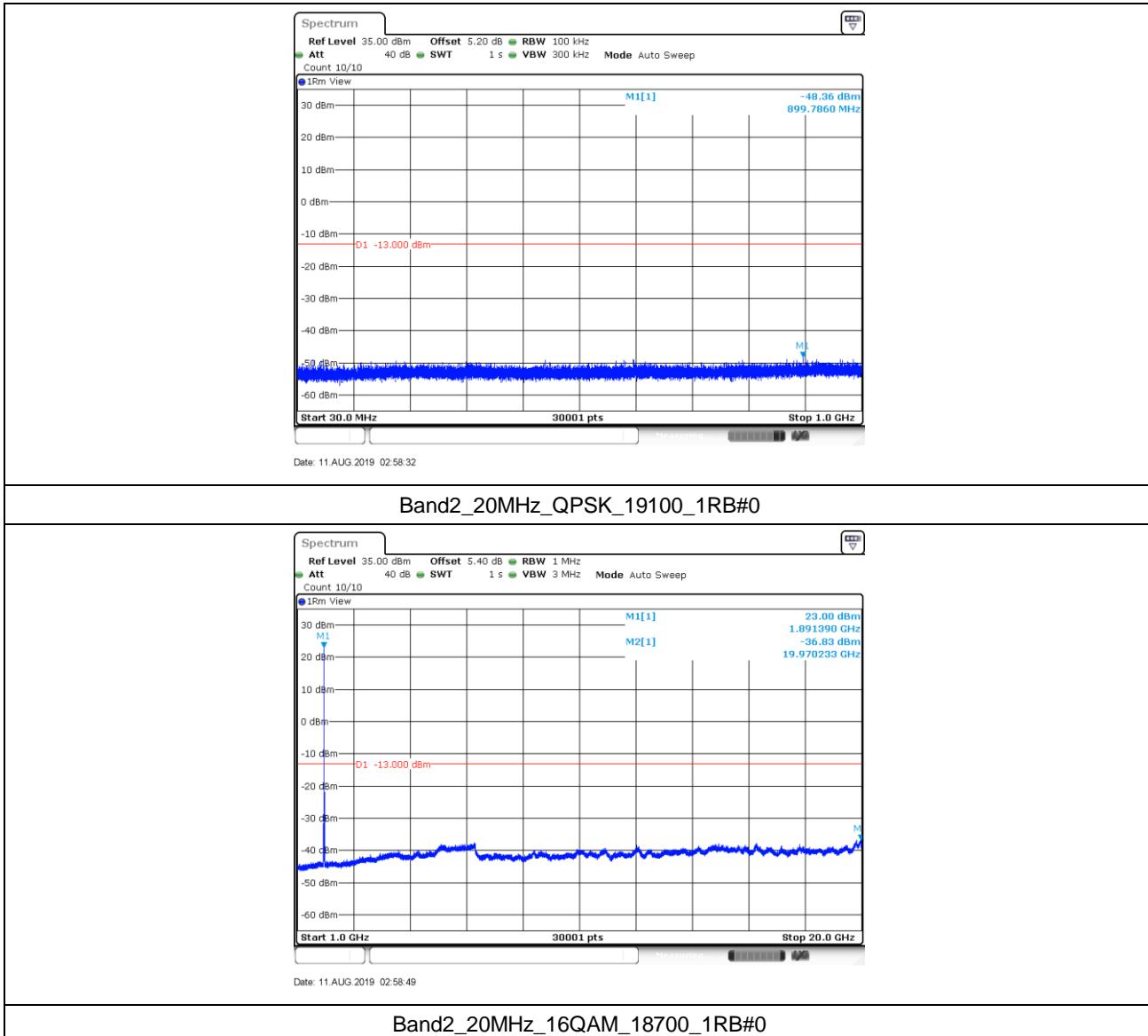
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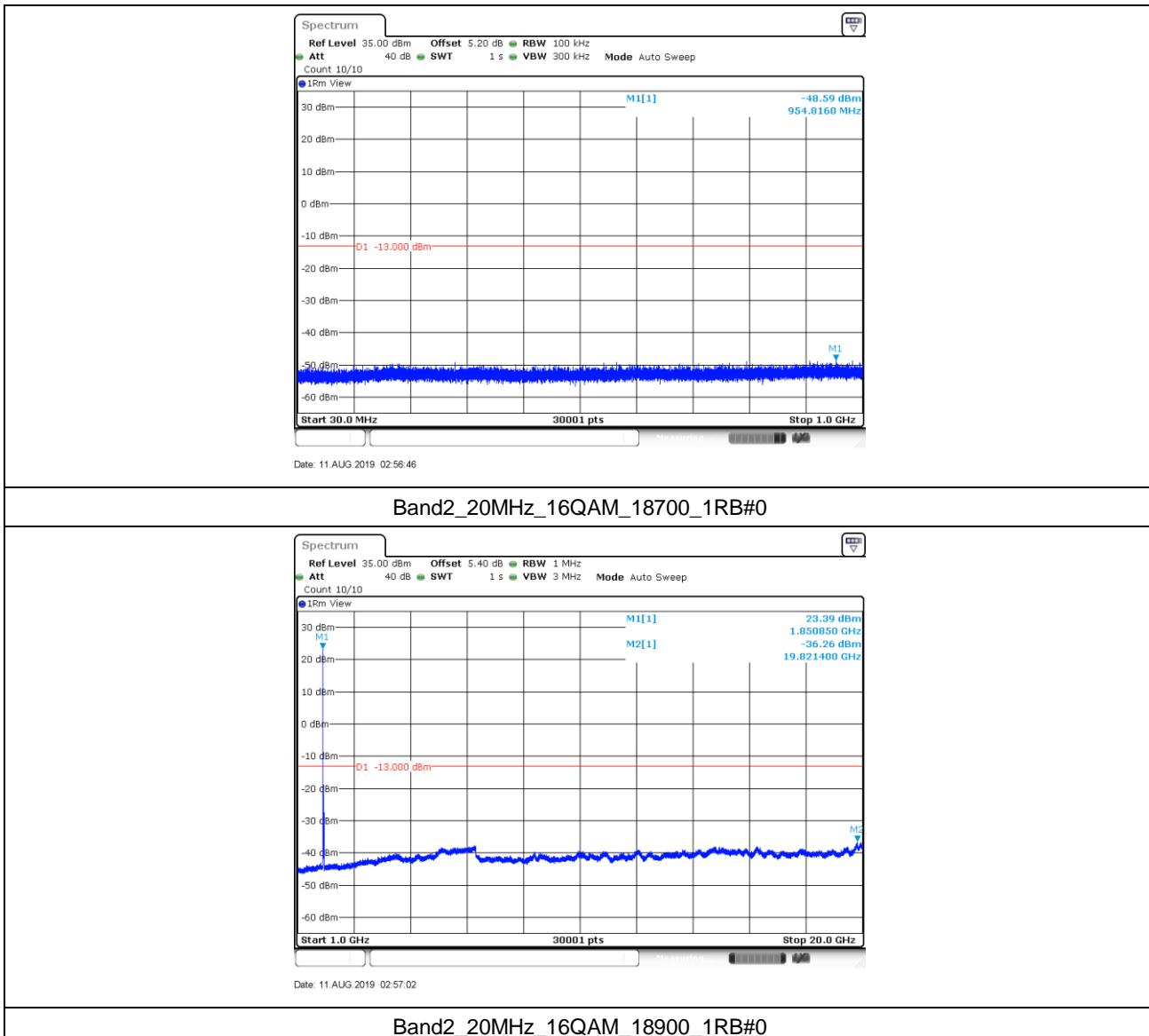
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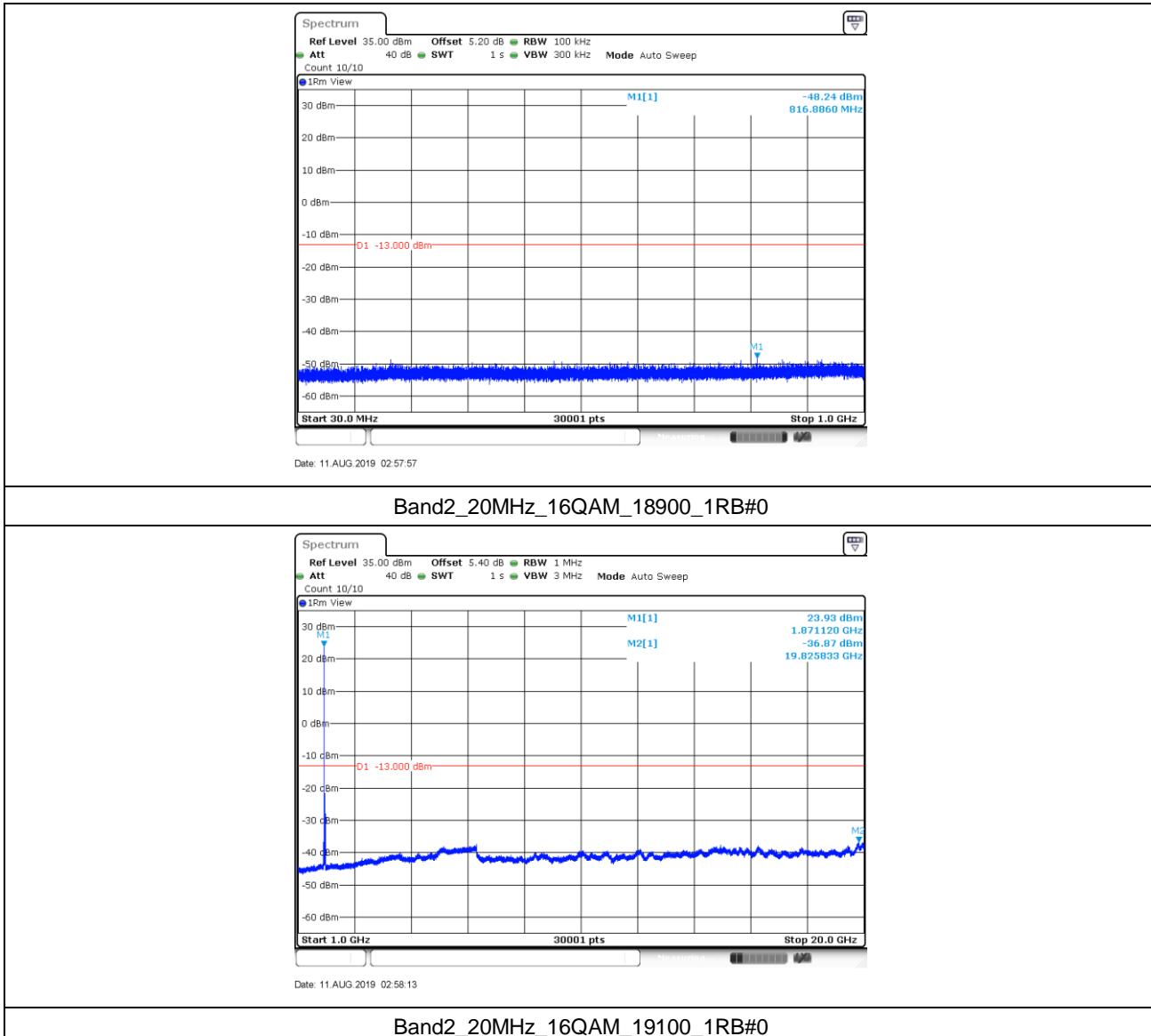
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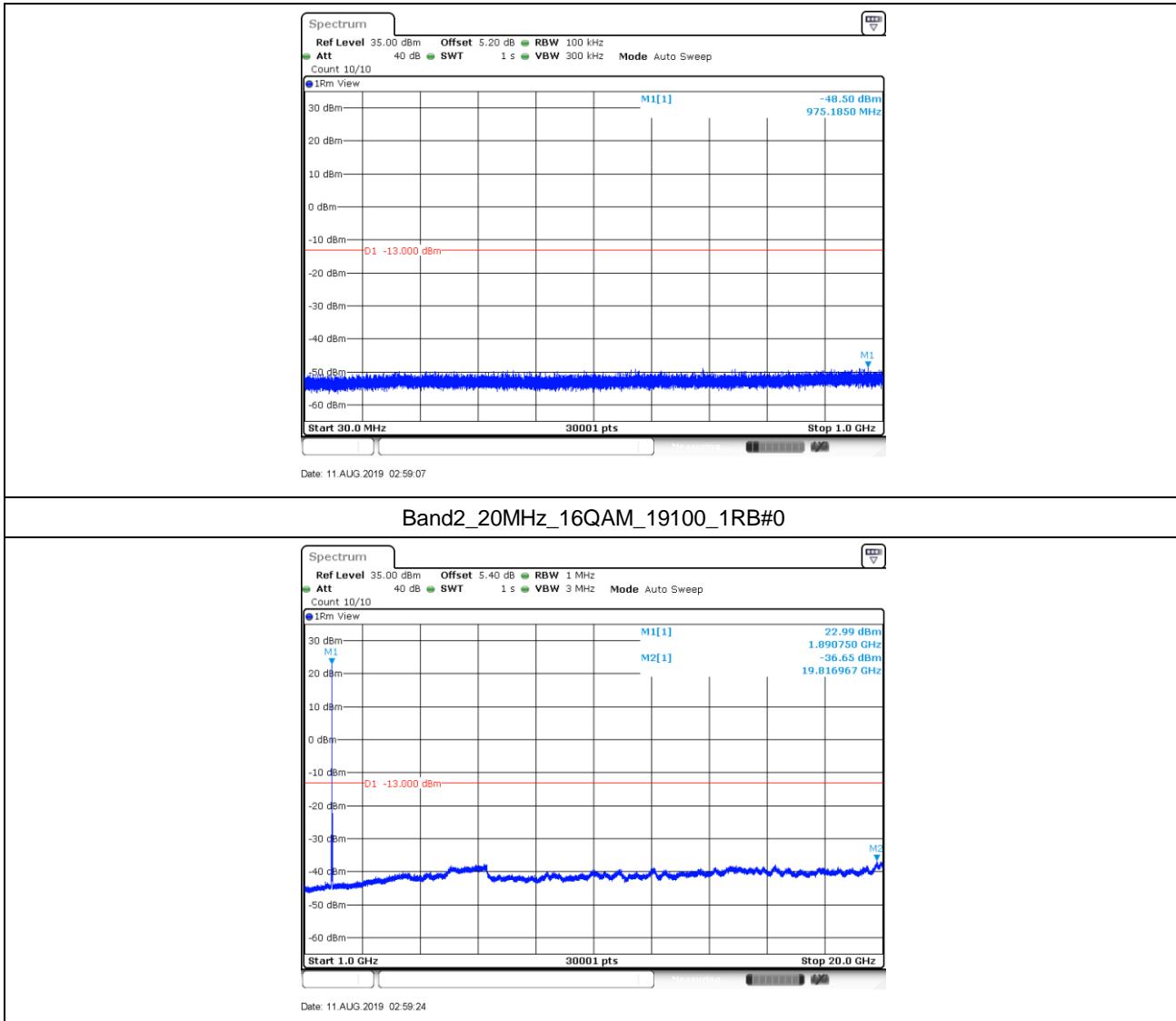
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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = LTE Band 2

#### 7.1.1. Test Mode =LTE/TM1 20MHz

##### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
42.2711	-64.73	-13.00	51.73	Horizontal
235.1168	-68.09	-13.00	55.09	Horizontal
2698.7397	-36.27	-13.00	23.27	Horizontal
3702.0234	-54.44	-13.00	41.44	Horizontal
7404.1468	-48.81	-13.00	35.81	Horizontal
17998.5000	-36.79	-13.00	23.79	Horizontal
108.2829	-65.19	-13.00	52.19	Vertical
610.9135	-64.23	-13.00	51.23	Vertical
2702.3405	-37.60	-13.00	24.60	Vertical
5553.0851	-52.75	-13.00	39.75	Vertical
7404.6468	-48.54	-13.00	35.54	Vertical
17985.4995	-31.89	-13.00	18.89	Vertical

##### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
43.1442	-64.55	-13.00	51.55	Horizontal
237.0084	-67.81	-13.00	54.81	Horizontal
2697.1394	-36.36	-13.00	23.36	Horizontal
3742.5248	-54.98	-13.00	41.98	Horizontal
7484.1495	-49.65	-13.00	36.65	Horizontal
17993.4998	-36.45	-13.00	23.45	Horizontal
104.8877	-65.58	-13.00	52.58	Vertical
741.5791	-61.90	-13.00	48.90	Vertical
2735.9472	-38.06	-13.00	25.06	Vertical
3742.0247	-57.26	-13.00	44.26	Vertical
7484.1495	-44.92	-13.00	31.92	Vertical
17993.4998	-32.07	-13.00	19.07	Vertical

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### 7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
39.5550	-63.36	-13.00	50.36	Horizontal
240.0155	-68.53	-13.00	55.53	Horizontal
2697.9396	-36.38	-13.00	23.38	Horizontal
3782.0261	-55.52	-13.00	42.52	Horizontal
7564.6522	-51.26	-13.00	38.26	Horizontal
17996.9999	-36.91	-13.00	23.91	Horizontal
113.5212	-65.06	-13.00	52.06	Vertical
620.4685	-64.60	-13.00	51.60	Vertical
2702.7405	-37.45	-13.00	24.45	Vertical
5673.0891	-50.76	-13.00	37.76	Vertical
7564.6522	-48.33	-13.00	35.33	Vertical
17983.4995	-32.12	-13.00	19.12	Vertical

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Voltage											
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict	
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	-4.10	-0.002204	±2.5	PASS	
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-6.00	-0.003226	±2.5	PASS	
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-3.60	-0.001935	±2.5	PASS	
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-5.40	-0.002872	±2.5	PASS	
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-4.50	-0.002394	±2.5	PASS	
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-8.40	-0.004468	±2.5	PASS	
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-5.20	-0.002737	±2.5	PASS	
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-10.10	-0.005316	±2.5	PASS	
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-4.20	-0.002211	±2.5	PASS	
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-1.80	-0.000968	±2.5	PASS	
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	-11.30	-0.006075	±2.5	PASS	
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	-3.40	-0.001828	±2.5	PASS	
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-15.00	-0.007979	±2.5	PASS	
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-10.50	-0.005585	±2.5	PASS	
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-8.30	-0.004415	±2.5	PASS	
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-4.90	-0.002579	±2.5	PASS	
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	1.80	0.000947	±2.5	PASS	
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-1.60	-0.000842	±2.5	PASS	

### 8.2. Frequency Vs Temperature

Temperature											
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict	
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	-4.40	-0.002366	±2.5	PASS	
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	2.10	0.001129	±2.5	PASS	
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-5.00	-0.002688	±2.5	PASS	
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-9.20	-0.004946	±2.5	PASS	
Band2	20MHz	QPSK	18700	100RB#0	NV	20	3.90	0.002097	±2.5	PASS	
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-8.80	-0.004731	±2.5	PASS	
Band2	20MHz	QPSK	18700	100RB#0	NV	40	-8.80	-0.004731	±2.5	PASS	
Band2	20MHz	QPSK	18700	100RB#0	NV	50	5.50	0.002957	±2.5	PASS	

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Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-10.20	-0.005426	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-0.50	-0.000266	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-10.30	-0.005479	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-7.70	-0.004096	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-5.40	-0.002872	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-10.80	-0.005745	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-7.00	-0.003723	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-16.00	-0.008511	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-7.20	-0.003789	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-11.20	-0.005895	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-9.30	-0.004895	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-1.70	-0.000895	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-9.70	-0.005105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-4.70	-0.002474	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	5.20	0.002737	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	2.90	0.001526	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	-3.10	-0.001667	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-12.30	-0.006613	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	1.50	0.000806	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	-6.50	-0.003495	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	-0.20	-0.000108	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-0.50	-0.000269	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	-0.40	-0.000215	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-5.60	-0.002979	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-9.60	-0.005106	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-8.40	-0.004468	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-4.30	-0.002287	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-7.90	-0.004202	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-3.20	-0.001702	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-3.50	-0.001862	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-10.20	-0.005426	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-11.40	-0.006000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-2.30	-0.001211	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-10.80	-0.005684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-4.00	-0.002105	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	0.20	0.000105	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-9.10	-0.004789	±2.5	PASS

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Band2	20MHz	16QAM	19100	100RB#0	NV	40	-3.20	-0.001684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-2.00	-0.001053	±2.5	PASS

The End

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