

Appendix B

E-UTRA Band 2



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8.2. FREQUENCY VS TEMPERATURE 69



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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	22.59	23.09	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.74	23.24	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.60	23.10	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	22.75	23.25	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.70	23.20	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	22.69	23.19	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.69	22.19	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.54	23.04	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.52	23.02	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.67	23.17	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	22.65	23.15	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	22.69	23.19	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	22.67	23.17	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.64	22.14	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.61	23.11	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.48	22.98	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.50	23.00	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.58	23.08	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.58	23.08	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.63	23.13	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.58	22.08	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.06	22.56	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.82	22.32	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.79	22.29	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	21.75	22.25	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.76	22.26	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	21.75	22.25	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.74	21.24	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.68	22.18	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.80	22.30	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.99	22.49	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	21.68	22.18	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	21.78	22.28	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.68	22.18	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.67	21.17	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.77	22.27	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.64	22.14	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.71	22.21	33.00	PASS

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Band2	1.4MHz	16QAM	19193	3RB#3	21.60	22.10	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.69	22.19	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.60	22.10	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.65	21.15	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.61	23.11	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.64	23.14	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.66	23.16	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.67	22.17	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.68	22.18	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.66	22.16	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.64	22.14	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.60	23.10	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.58	23.08	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.59	23.09	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.61	22.11	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.61	22.11	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.64	22.14	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.61	22.11	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.52	23.02	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.54	23.04	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.53	23.03	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.59	22.09	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.56	22.06	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.53	22.03	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.54	22.04	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.86	22.36	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.85	22.35	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.86	22.36	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.69	21.19	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.70	21.20	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.69	21.19	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.63	21.13	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.79	22.29	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.75	22.25	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.89	22.39	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.68	21.18	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.66	21.16	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.63	21.13	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.58	21.08	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.74	22.24	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.79	22.29	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.68	22.18	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.59	21.09	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	20.56	21.06	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.62	21.12	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.51	21.01	33.00	PASS

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Band2	5MHz	QPSK	18625	1RB#24	22.49	22.99	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.78	23.28	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.54	23.04	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.59	23.09	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.65	22.15	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	21.68	22.18	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.69	22.19	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.45	22.95	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.48	22.98	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.77	23.27	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.67	22.17	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.61	22.11	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.62	22.12	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.63	22.13	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.41	22.91	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.71	23.21	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.40	22.90	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.56	22.06	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.61	22.11	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.51	22.01	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.56	22.06	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.74	22.24	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.14	22.64	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.75	22.25	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.99	21.49	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	20.62	21.12	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.73	21.23	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.56	22.06	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.74	22.24	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.90	22.40	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.64	22.14	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.66	21.16	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	20.61	21.11	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.68	21.18	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.64	21.14	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.66	22.16	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.66	22.16	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.84	22.34	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.56	21.06	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.61	21.11	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	20.50	21.00	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.50	21.00	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.63	23.13	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.70	23.20	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.64	23.14	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	21.70	22.20	33.00	PASS

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Band2	10MHz	QPSK	18650	25RB#0	21.66	22.16	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	21.77	22.27	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.72	22.22	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.55	23.05	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.58	23.08	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.67	23.17	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.65	22.15	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.64	22.14	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	21.64	22.14	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.66	22.16	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.57	23.07	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.50	23.00	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.49	22.99	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.57	22.07	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.56	22.06	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	21.58	22.08	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.57	22.07	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.95	22.45	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.81	22.31	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.87	22.37	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.63	21.13	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.72	21.22	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	20.74	21.24	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.72	21.22	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.80	22.30	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.85	22.35	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.88	22.38	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.62	21.12	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.60	21.10	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.66	21.16	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.64	21.14	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.88	22.38	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.66	22.16	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.76	22.26	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	20.54	21.04	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	20.57	21.07	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.54	21.04	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.54	21.04	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.57	23.07	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.58	23.08	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.67	23.17	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	21.74	22.24	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	21.73	22.23	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	21.67	22.17	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.70	22.20	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.52	23.02	33.00	PASS

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Band2	15MHz	QPSK	18900	1RB#38	22.60	23.10	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.56	23.06	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	21.66	22.16	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	21.63	22.13	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	21.64	22.14	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.62	22.12	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.44	22.94	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.52	23.02	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.53	23.03	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	21.59	22.09	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	21.60	22.10	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	21.58	22.08	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.56	22.06	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.78	22.28	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.82	22.32	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.00	22.50	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	20.68	21.18	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	20.71	21.21	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	20.70	21.20	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.70	21.20	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.81	22.31	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.57	23.07	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.89	22.39	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	20.61	21.11	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	20.62	21.12	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	20.59	21.09	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.62	21.12	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.68	22.18	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.79	22.29	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.77	22.27	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	20.56	21.06	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	20.54	21.04	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	20.55	21.05	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.55	21.05	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.50	23.00	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.76	23.26	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.57	23.07	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.72	22.22	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.62	22.12	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.68	22.18	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.65	22.15	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.44	22.94	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.50	23.00	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.66	23.16	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.61	22.11	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.63	22.13	33.00	PASS

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Band2	20MHz	QPSK	18900	50RB#50	21.62	22.12	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.61	22.11	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.46	22.96	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.61	23.11	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.40	22.90	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.60	22.10	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	21.60	22.10	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.58	22.08	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.59	22.09	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.74	22.24	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.95	22.45	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.69	22.19	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	20.64	21.14	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	20.60	21.10	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	20.69	21.19	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.66	21.16	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.77	22.27	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.93	22.43	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.67	22.17	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	20.62	21.12	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	20.61	21.11	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	20.62	21.12	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.60	21.10	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.70	22.20	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.64	22.14	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.83	22.33	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	20.59	21.09	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	20.58	21.08	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	20.59	21.09	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.58	21.08	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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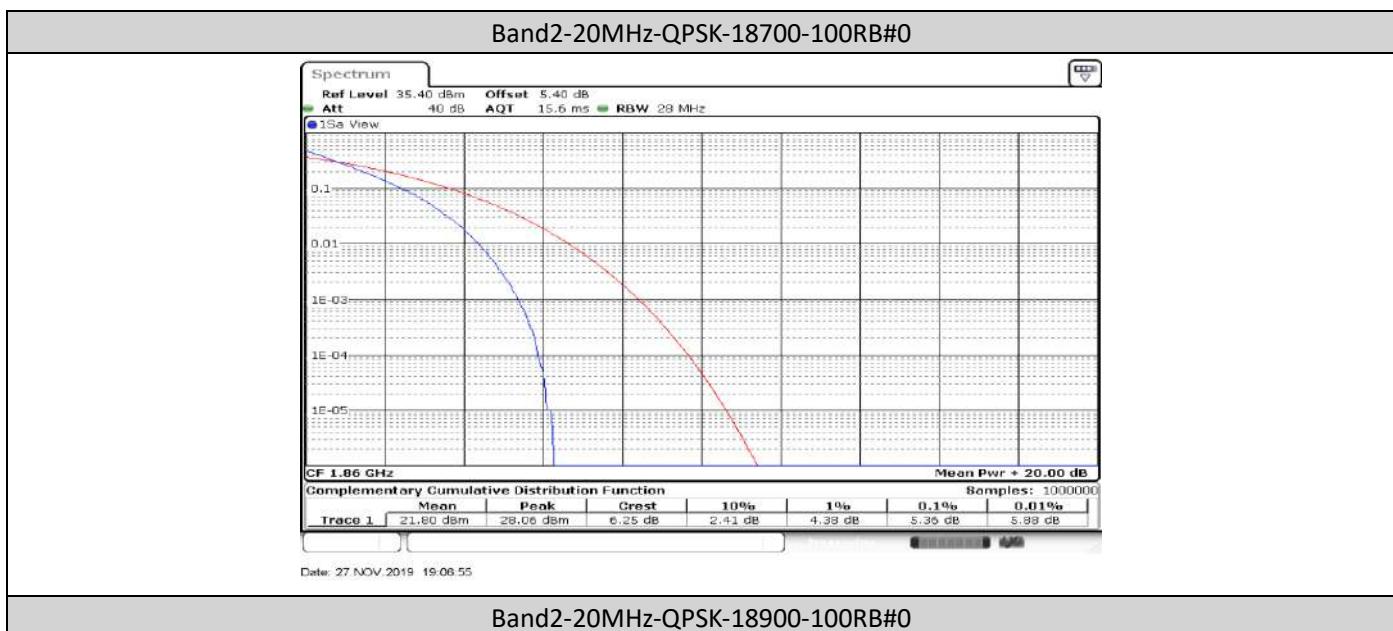
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2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.36	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.42	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.28	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.20	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.20	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.09	13	PASS

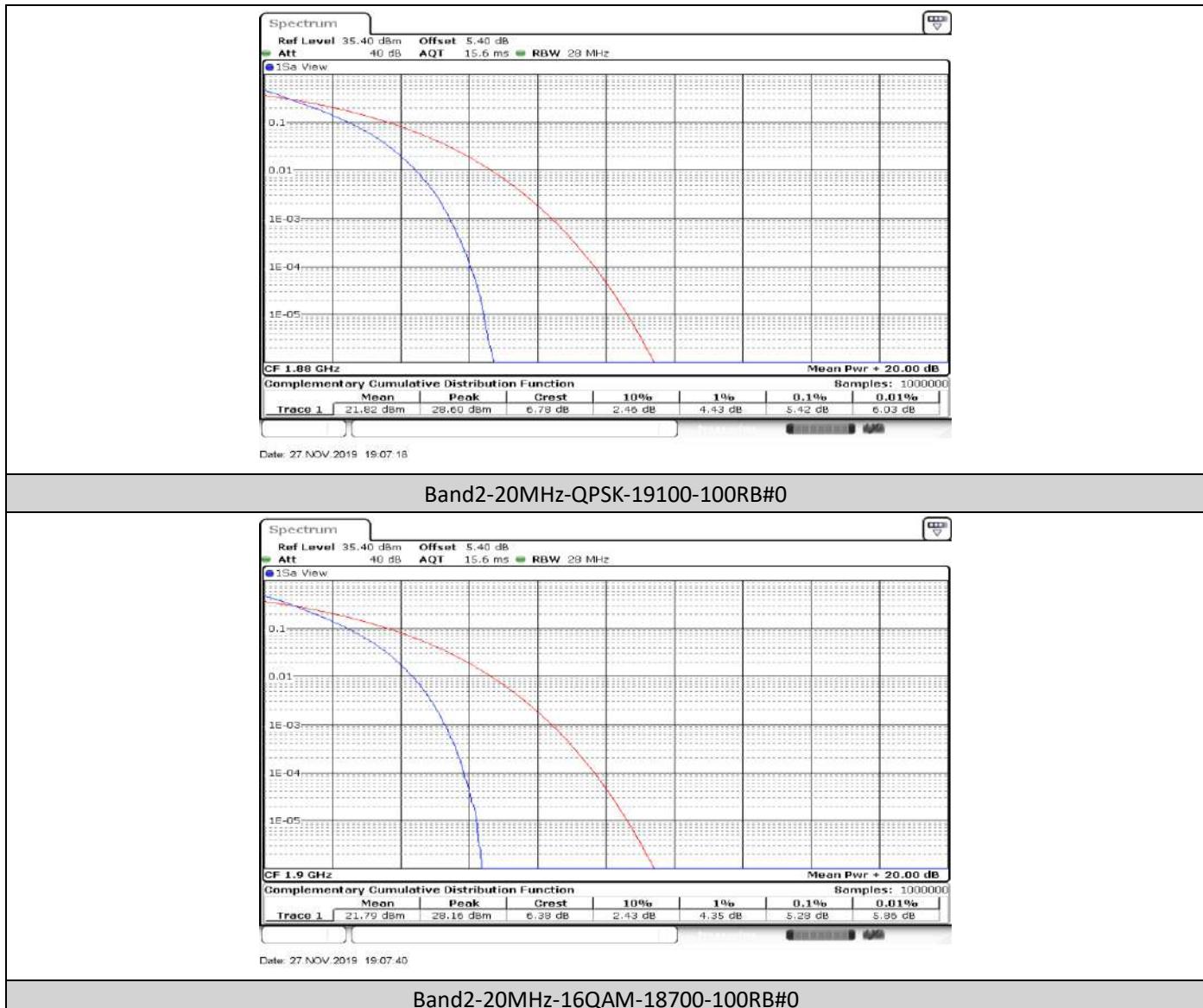
2.2. Test Plots



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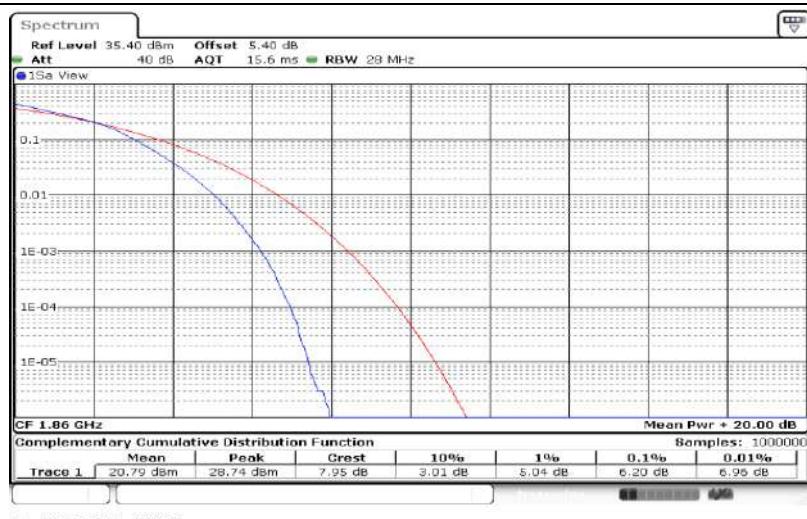
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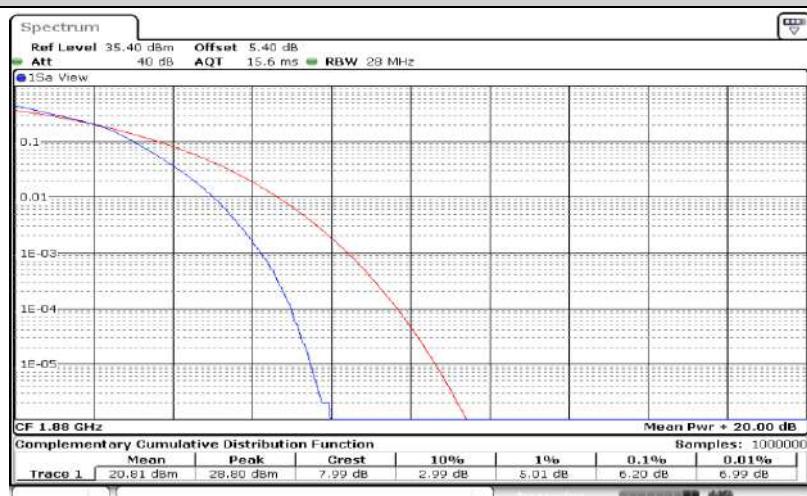


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Band2-20MHz-16QAM-18900-100RB#0



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

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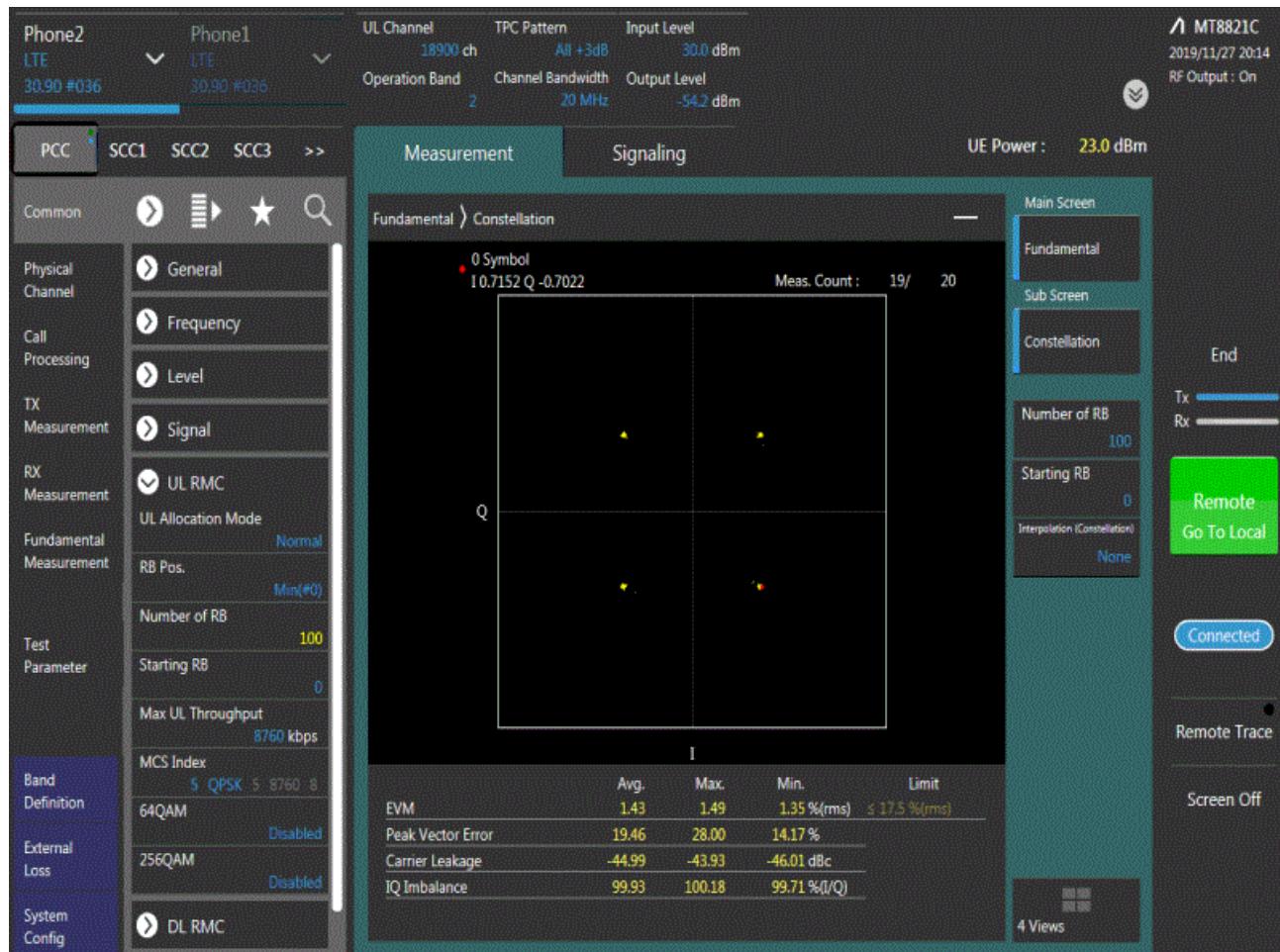
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH

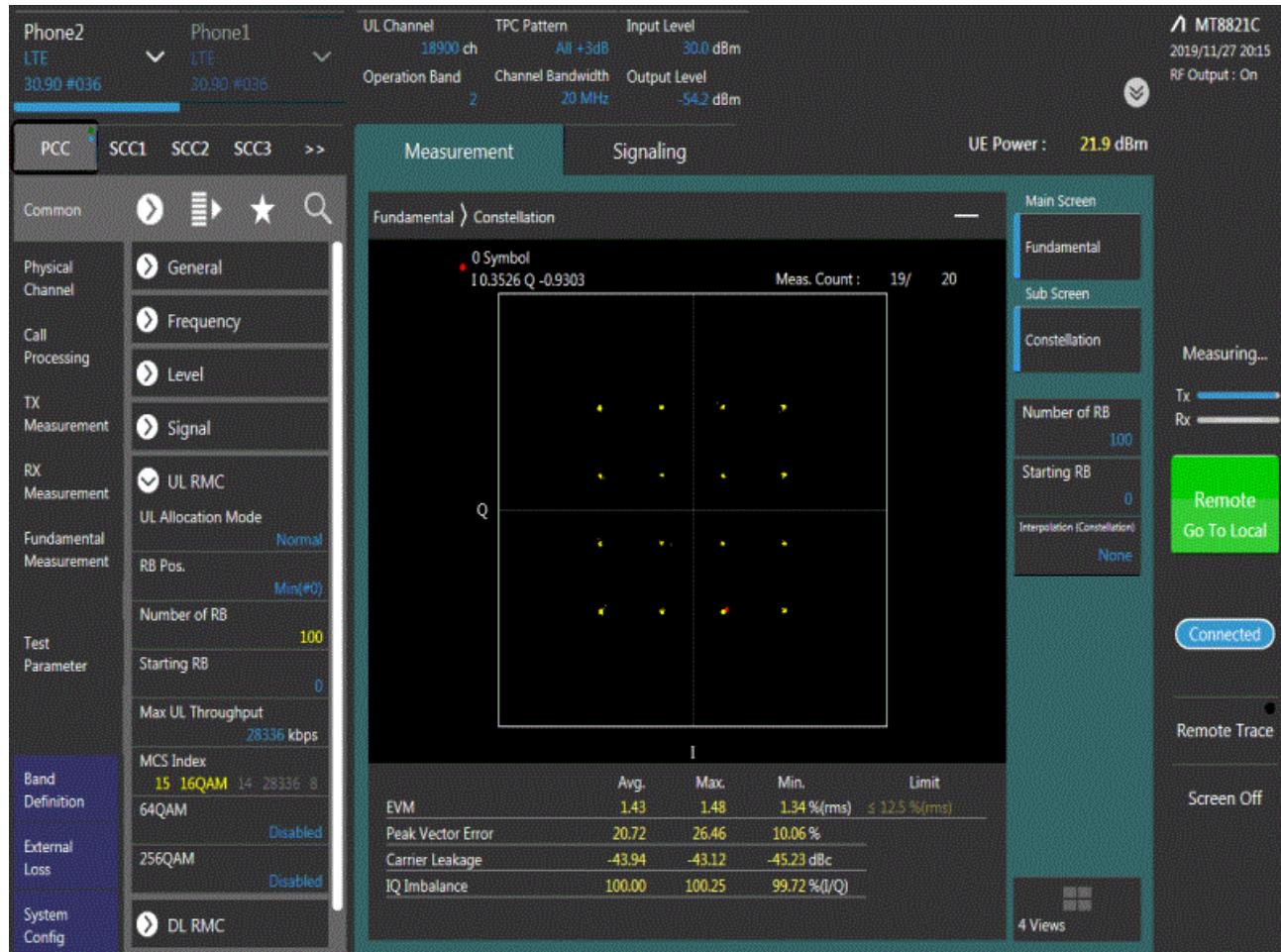


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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. 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	1.281	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.088	1.275	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.088	1.287	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	1.287	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.088	1.272	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.088	1.281	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.691	2.880	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.685	2.898	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.691	2.886	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.679	2.874	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.679	2.874	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.673	2.880	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.476	4.950	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.486	4.880	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.486	4.890	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.486	4.910	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.476	4.900	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.486	4.890	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.991	9.700	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.971	9.780	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.971	9.620	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.971	9.740	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.951	9.620	PASS
Band2	10MHz	16QAM	19150	50RB#0	9.011	9.660	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.666	14.910	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.606	14.790	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.606	14.820	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.696	14.760	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.636	14.670	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.606	14.730	PASS

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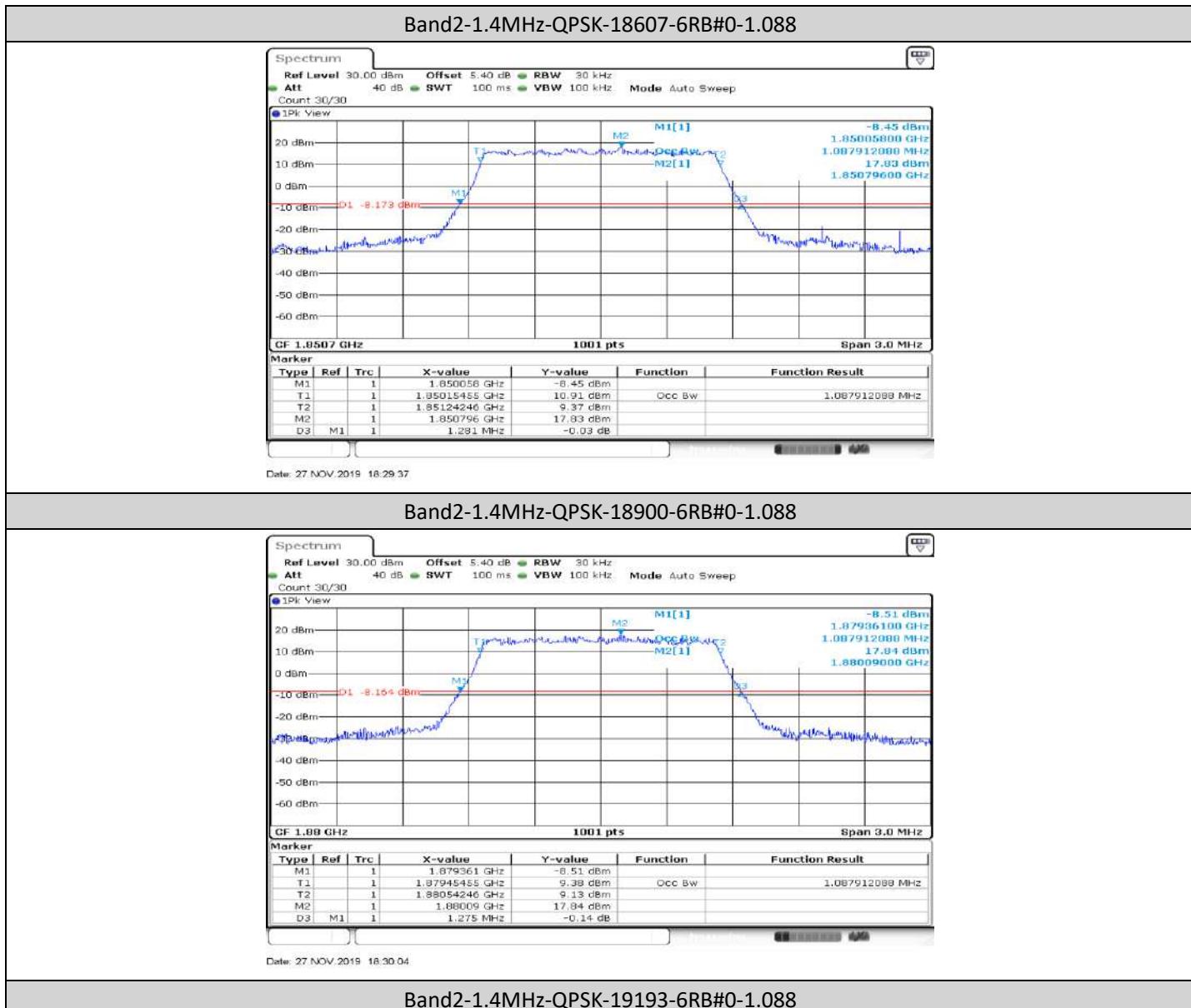
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Band2	20MHz	QPSK	18700	100RB#0	18.102	19.360	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.182	19.400	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.062	19.240	PASS
Band2	20MHz	16QAM	18700	100RB#0	18.062	19.280	PASS
Band2	20MHz	16QAM	18900	100RB#0	18.062	19.280	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.062	19.240	PASS

4.2. Test Plots

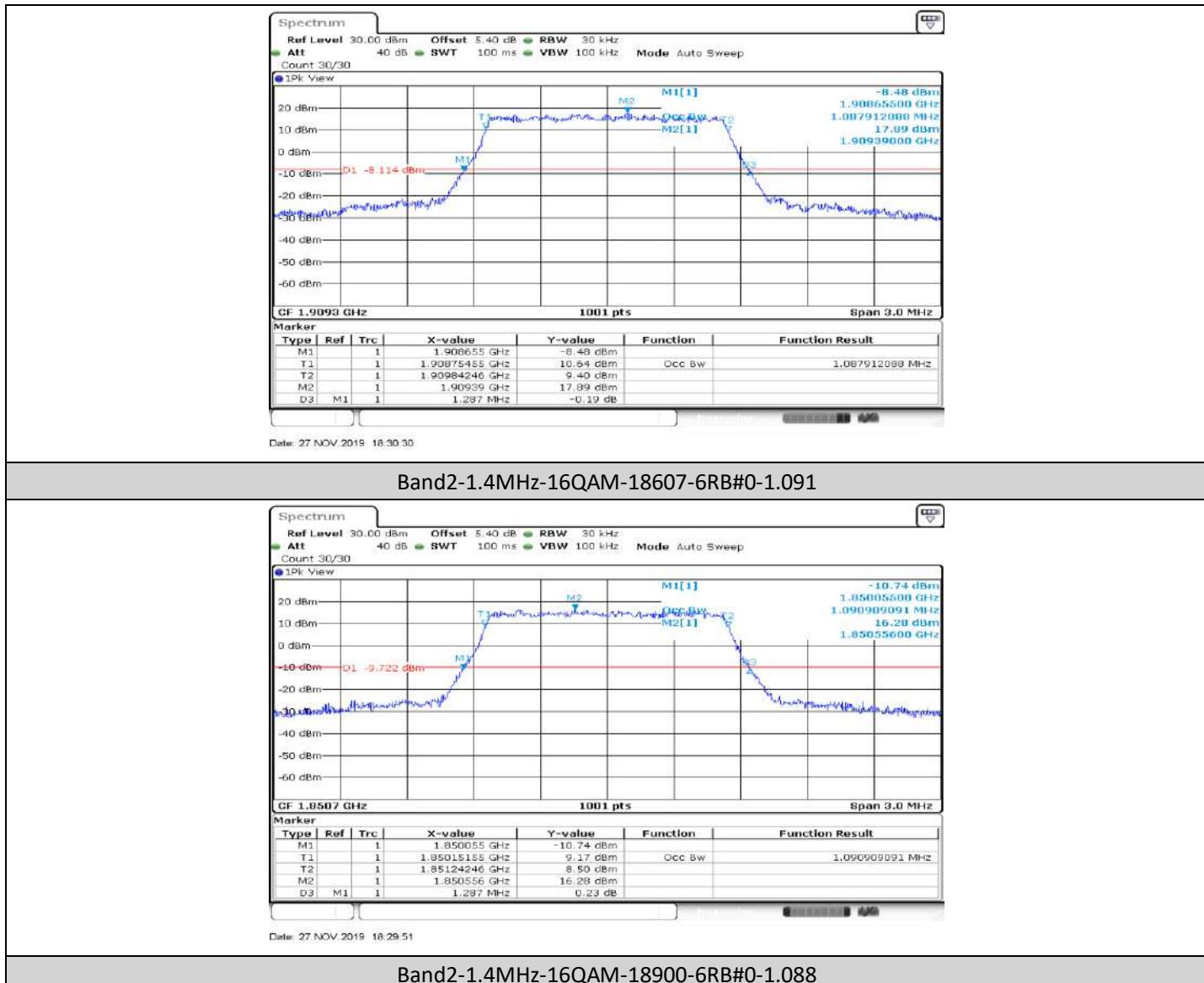


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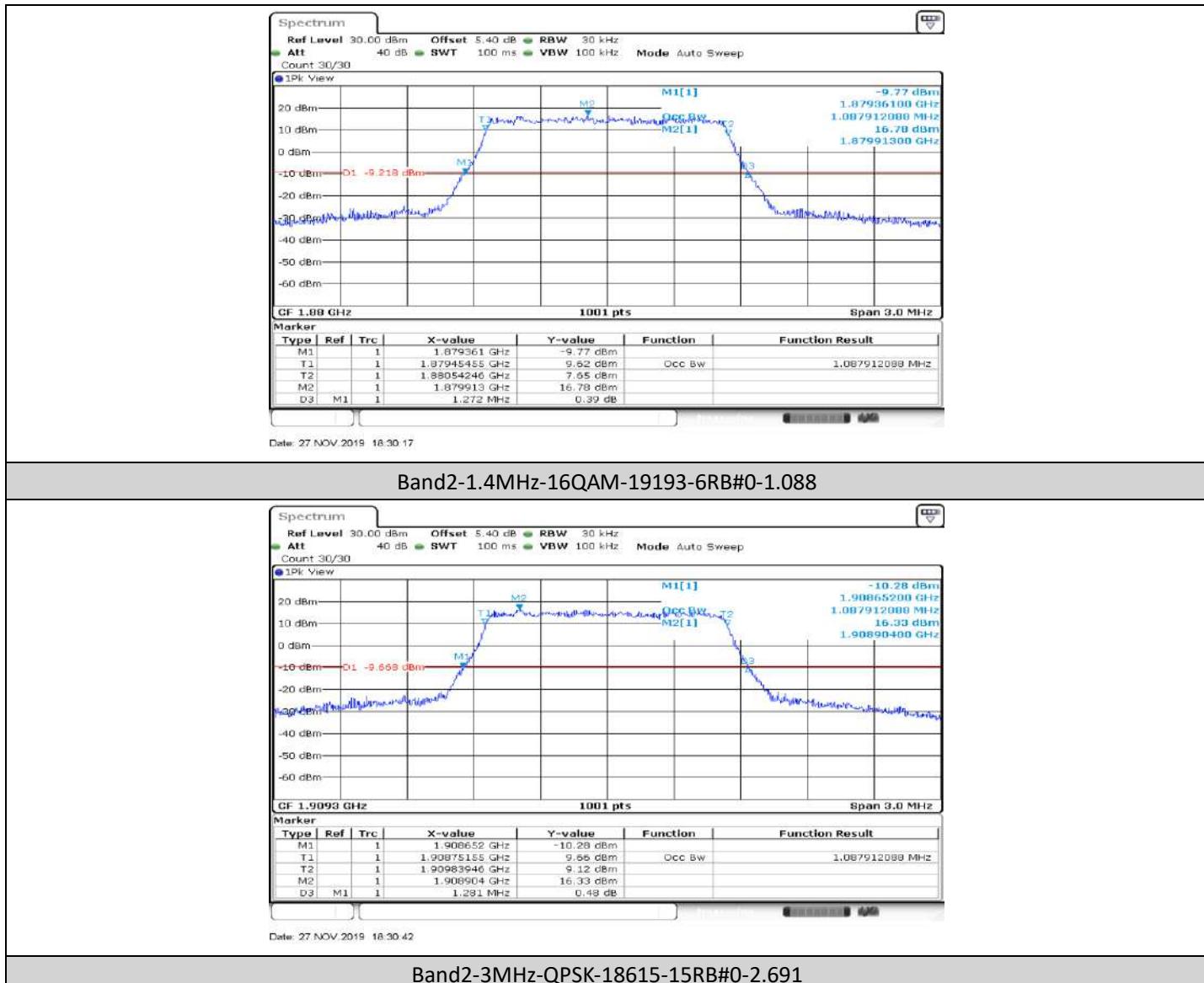
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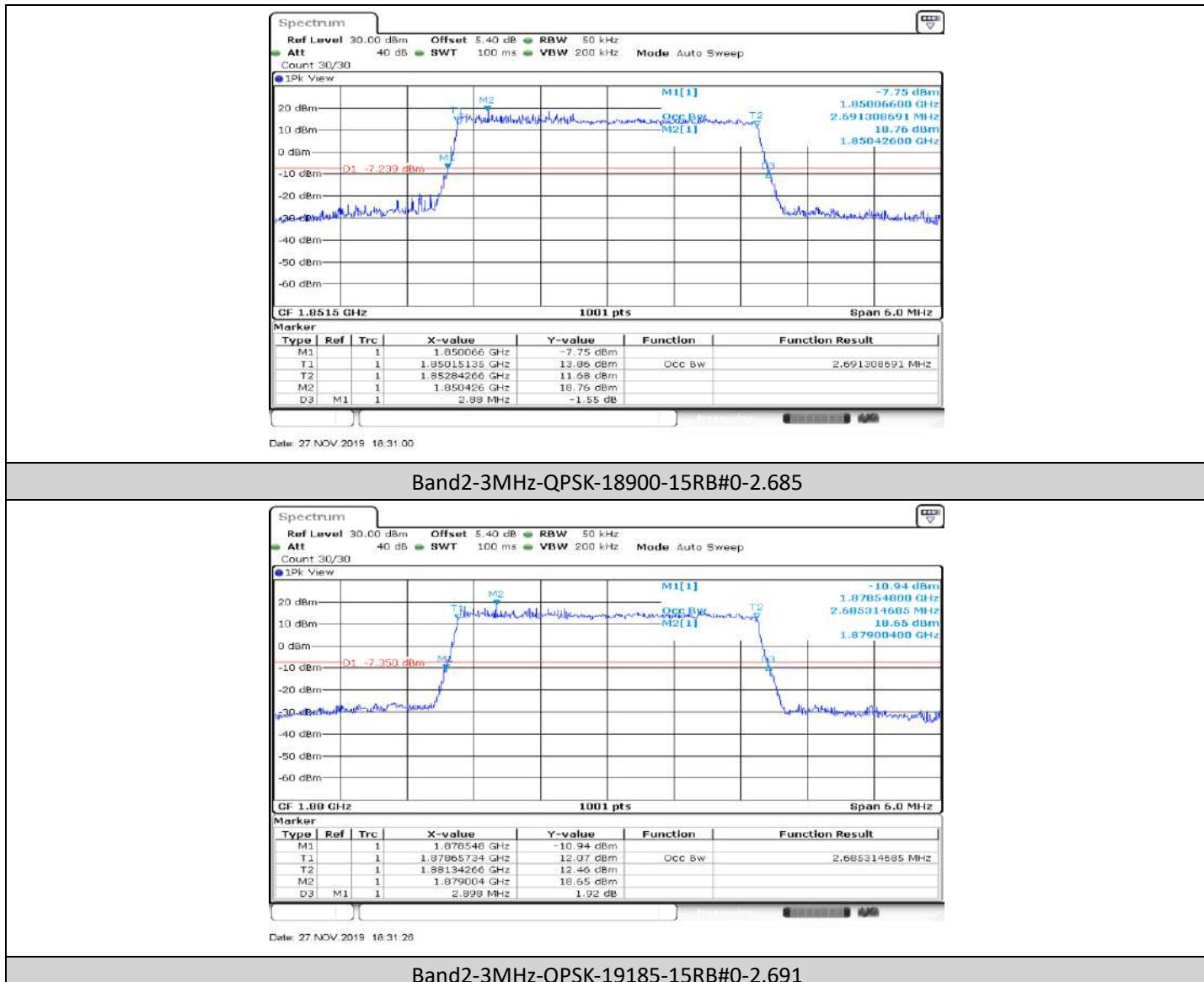


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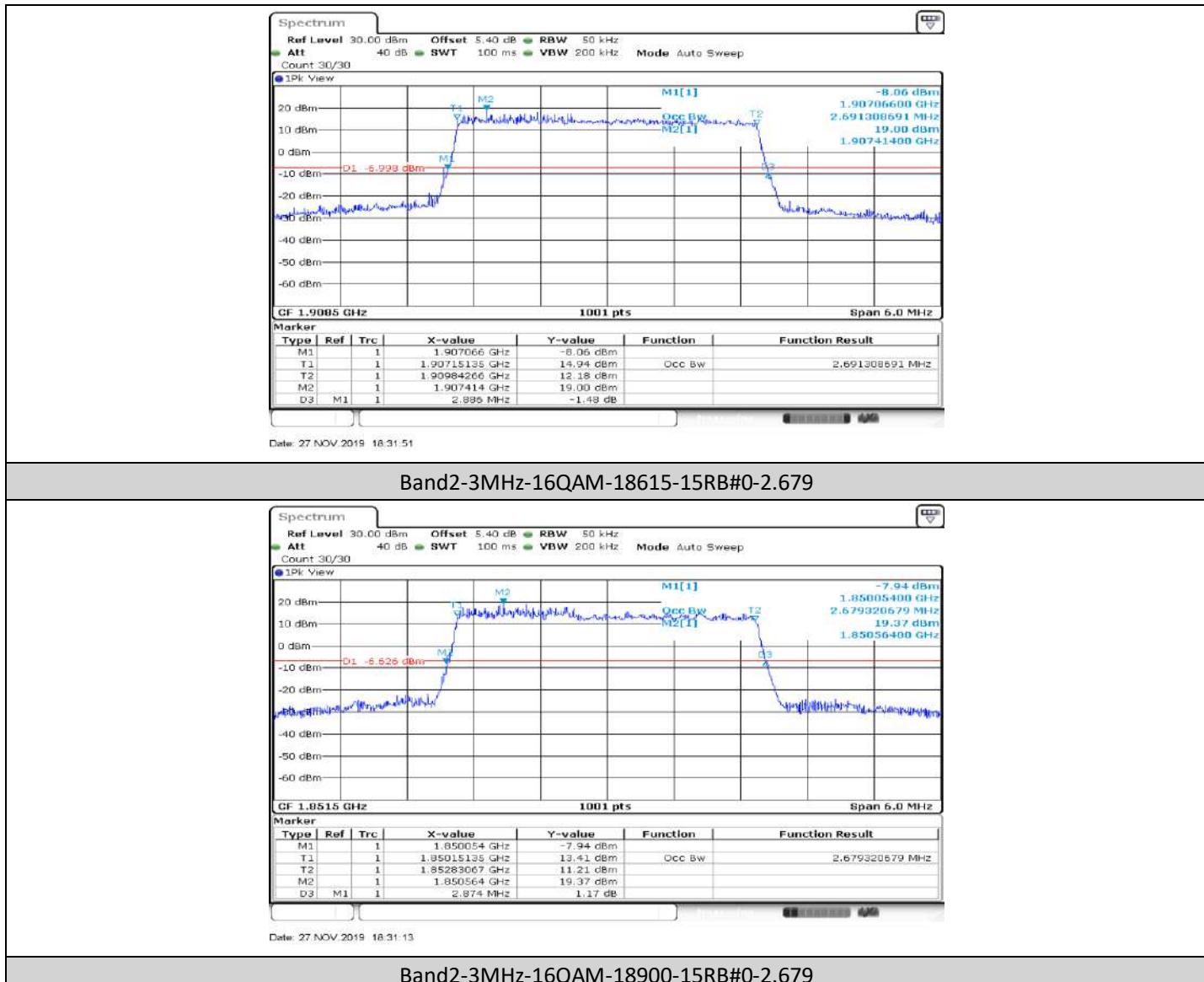


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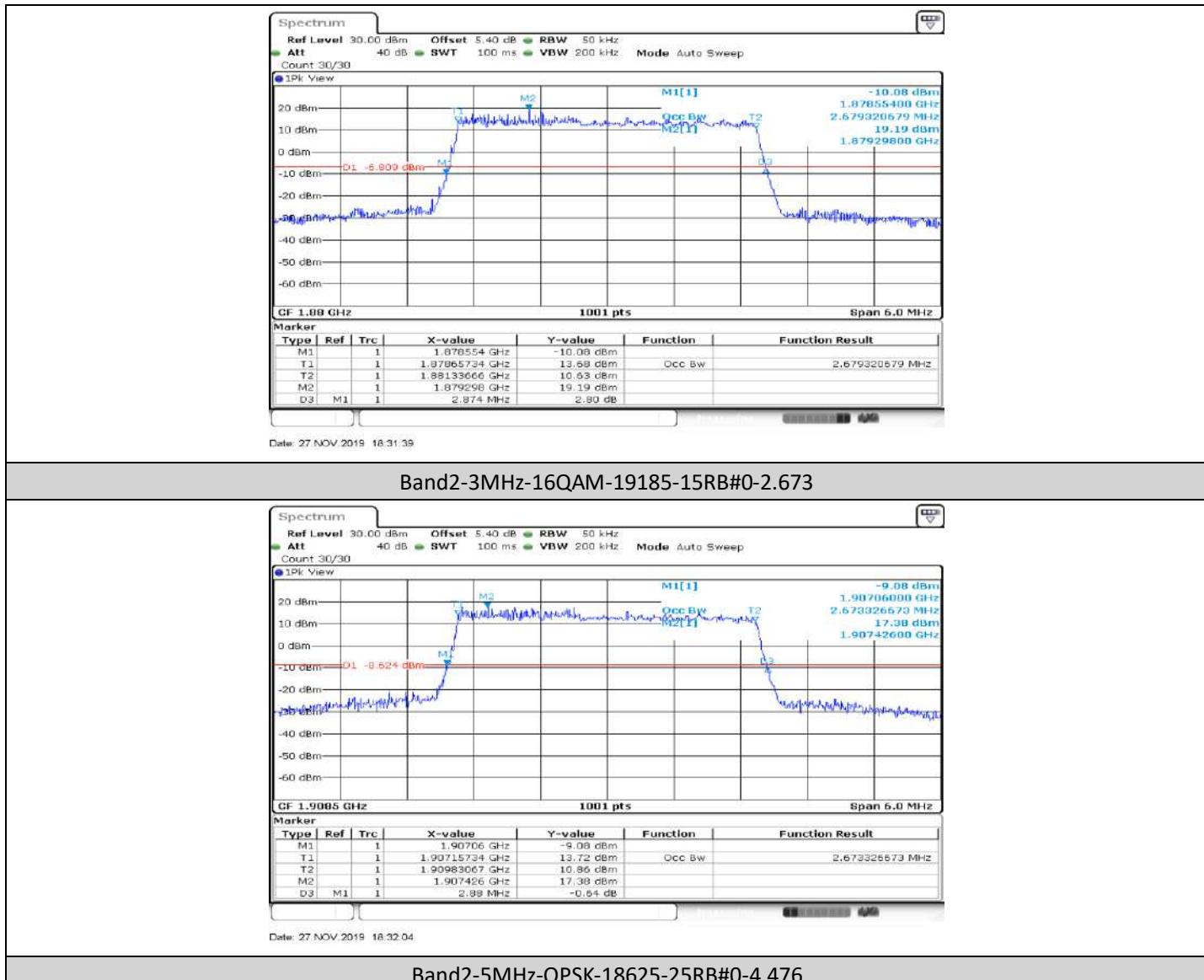
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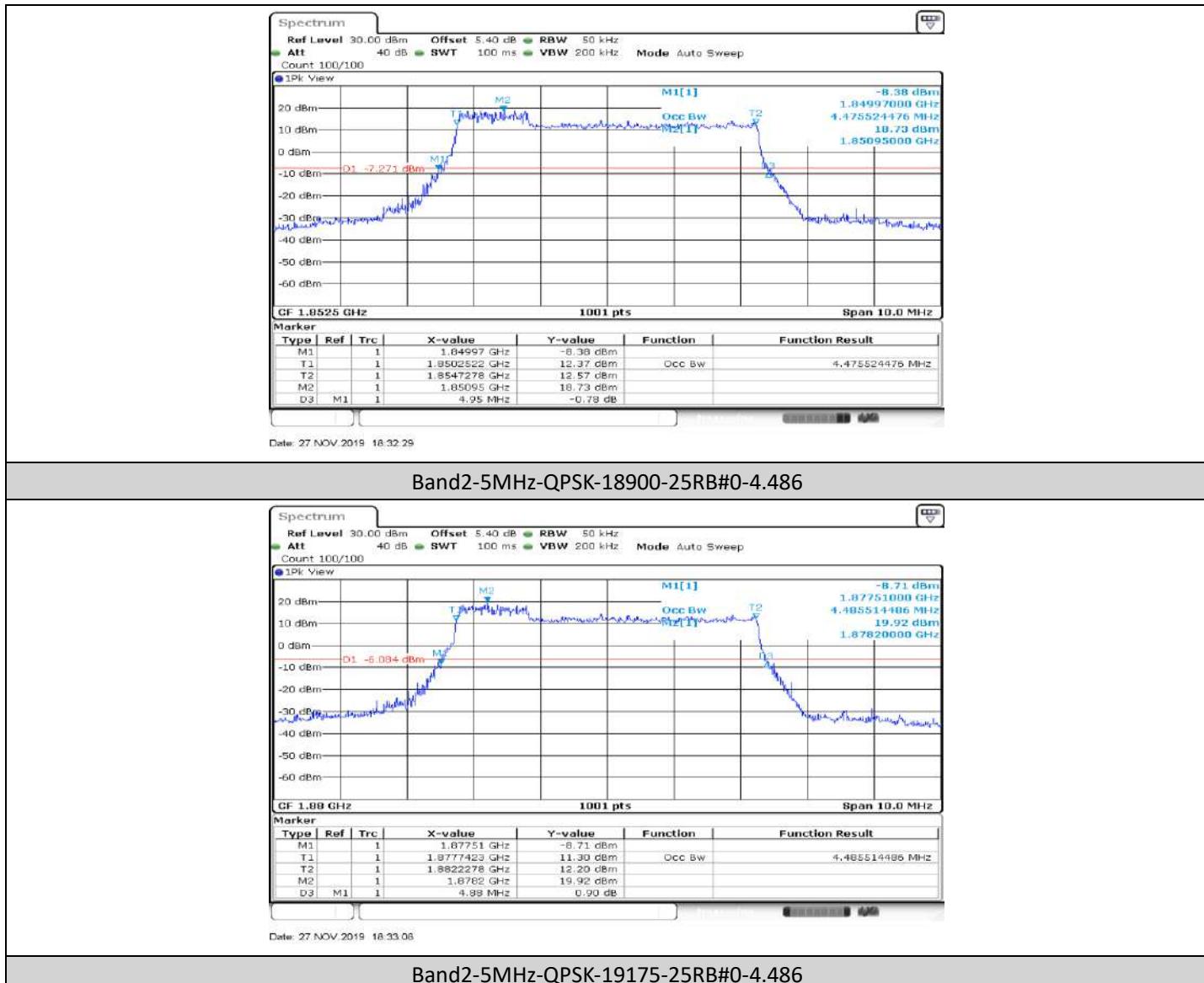
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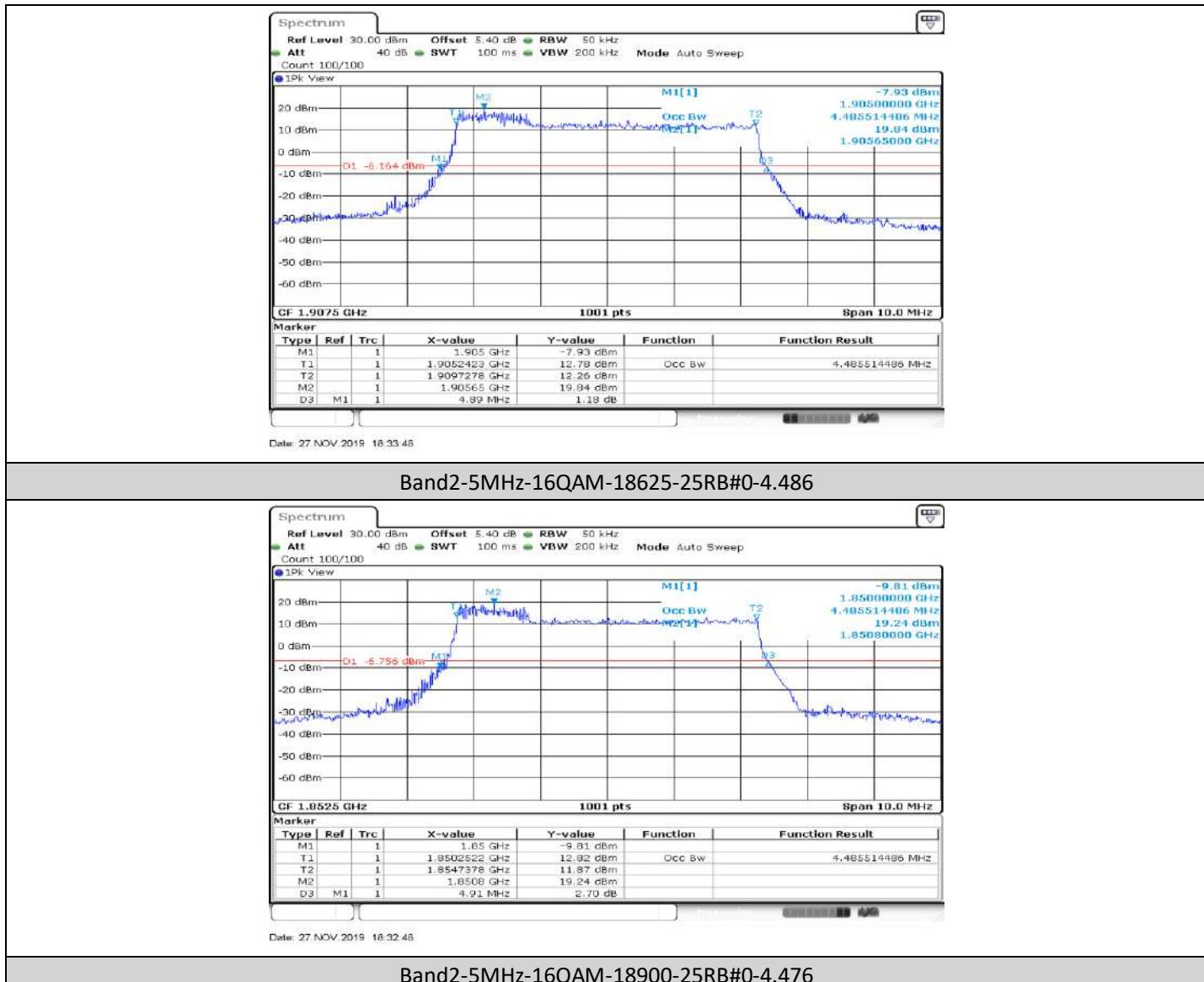
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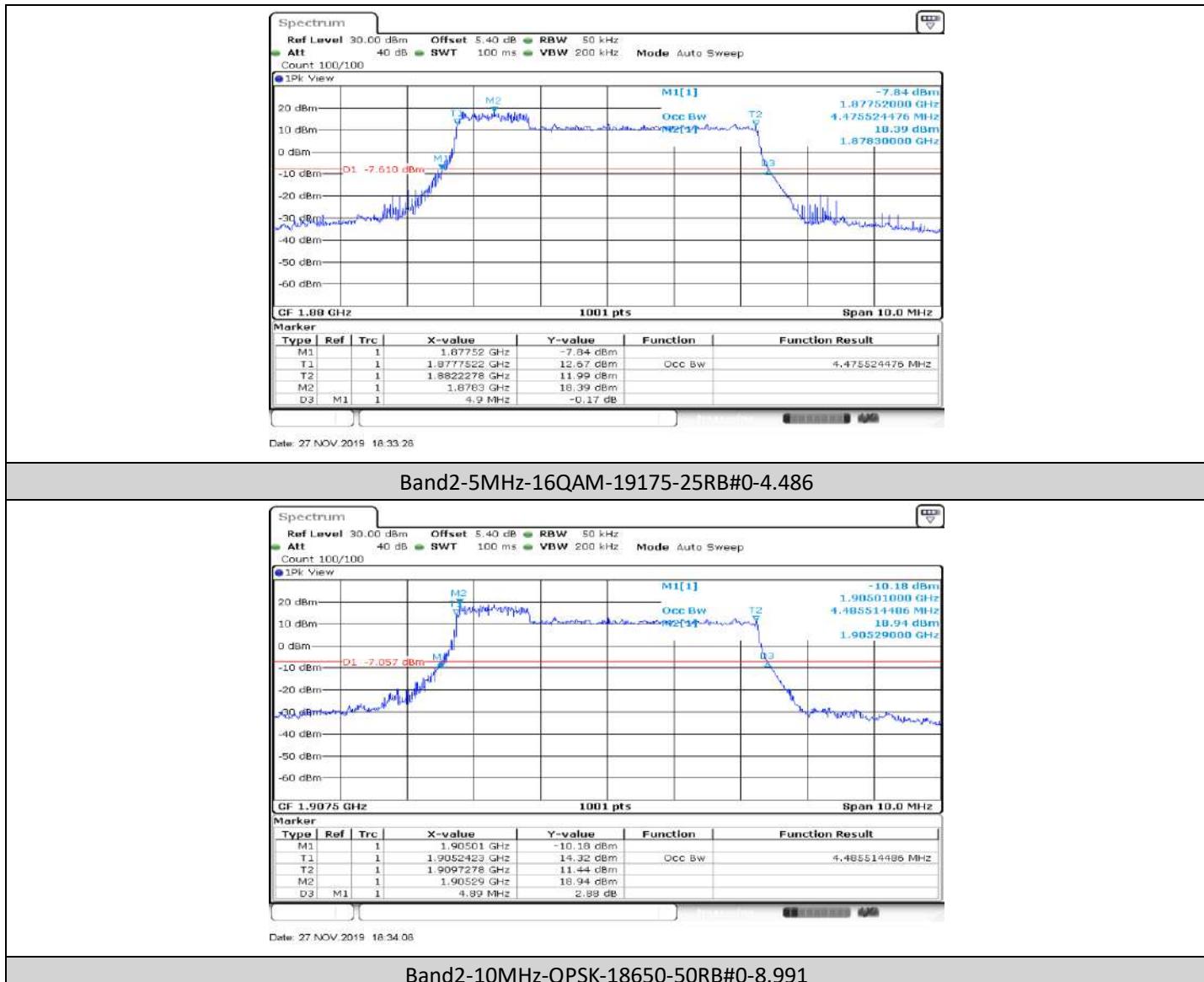
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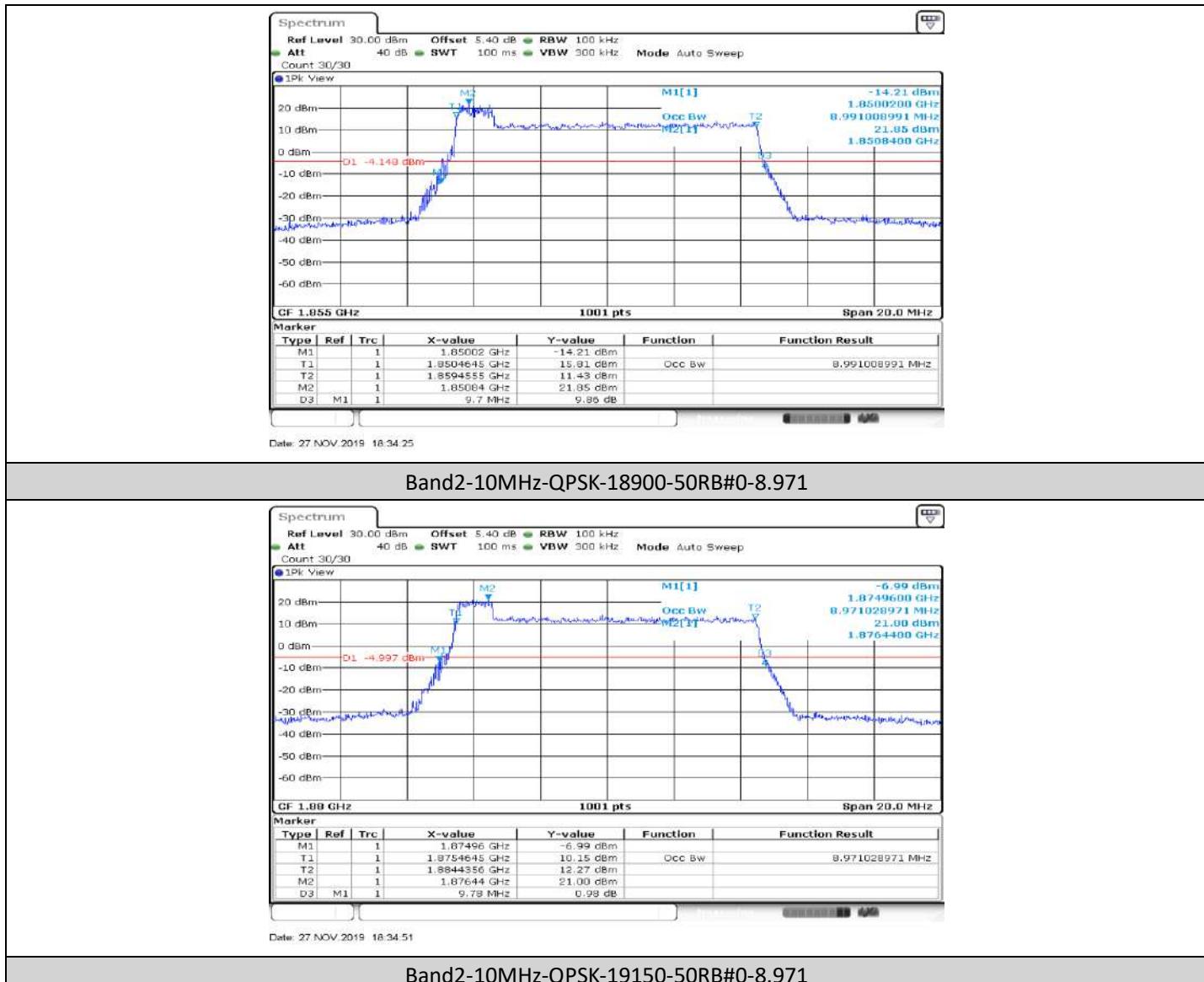
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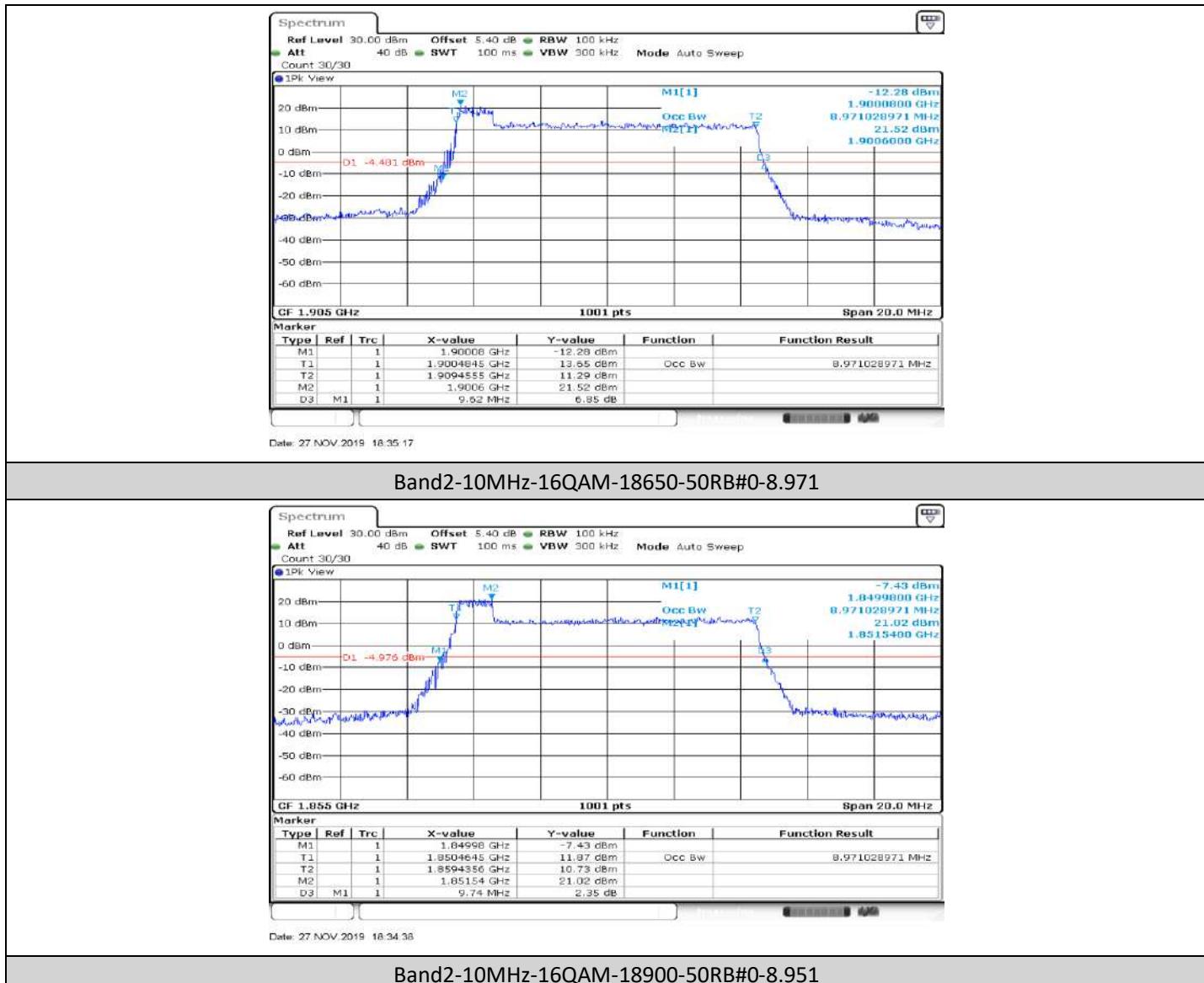




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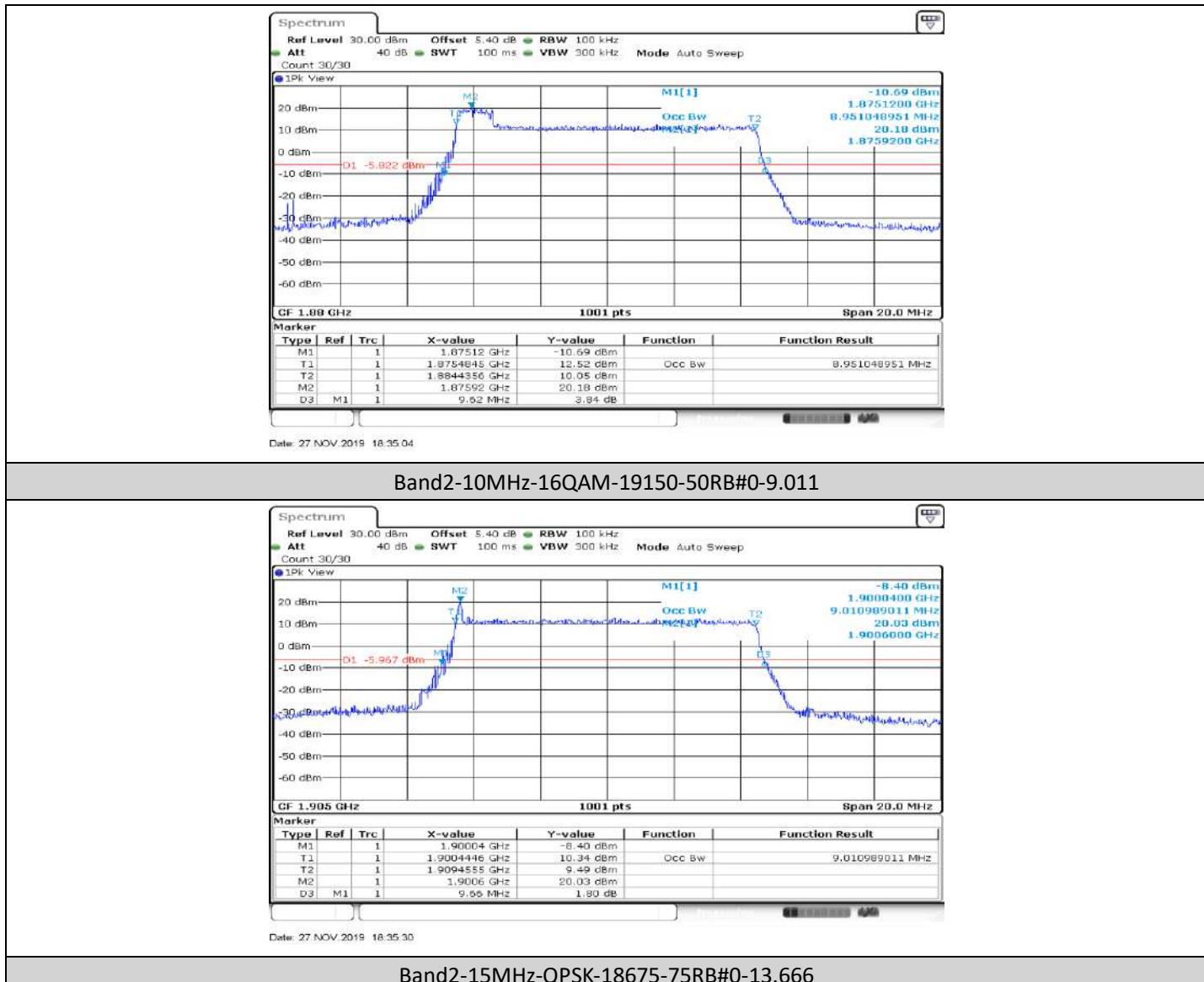




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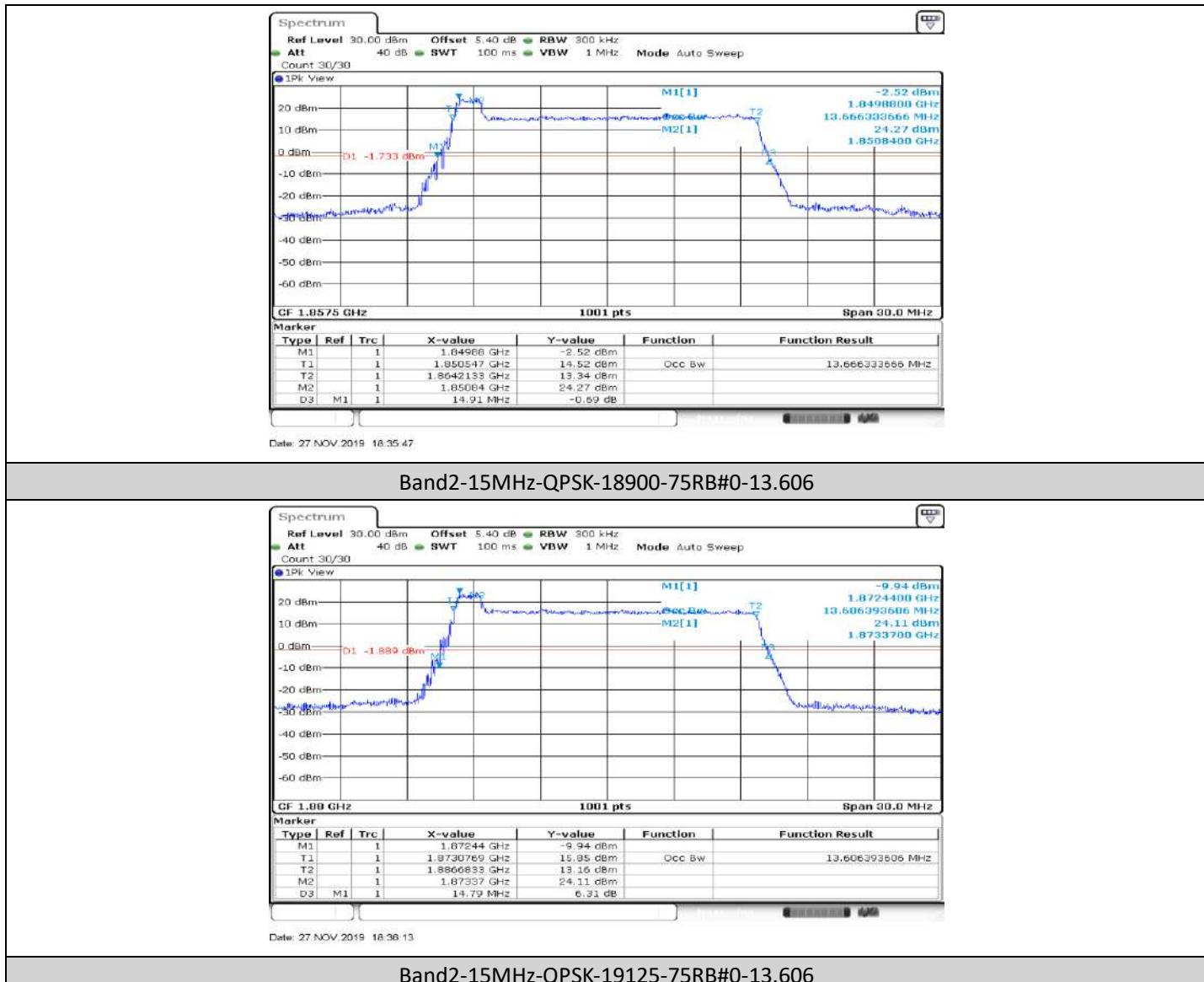
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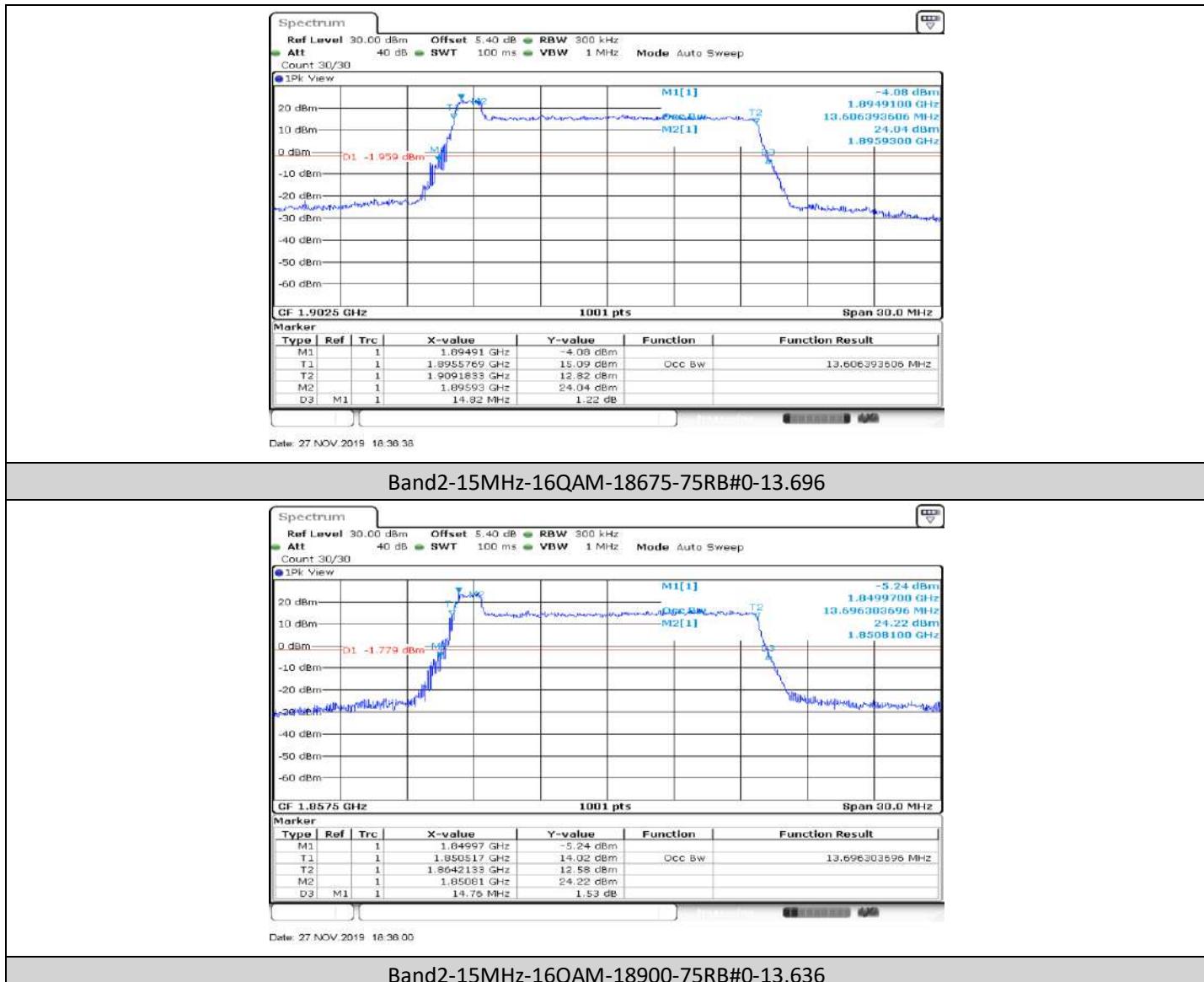
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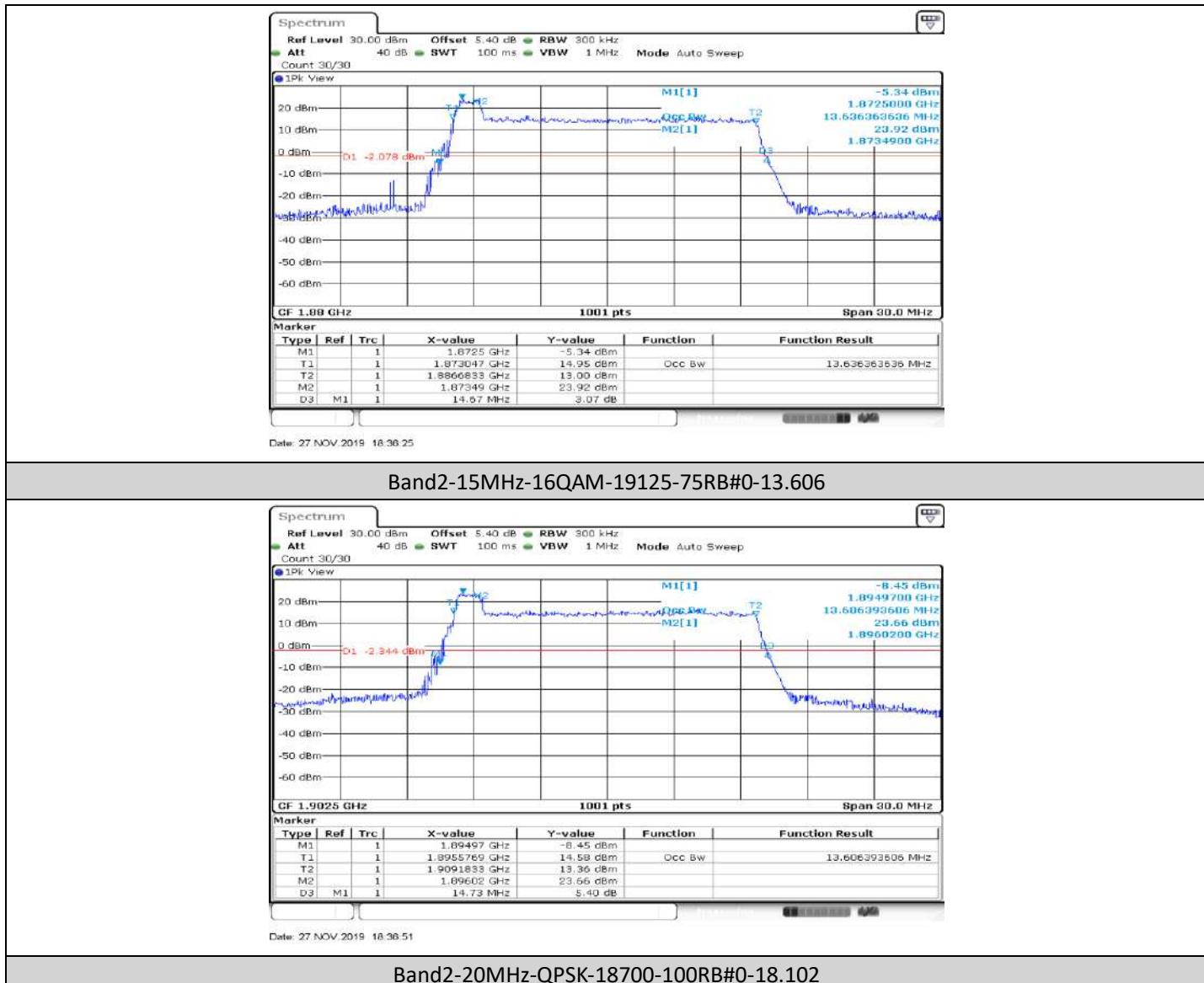




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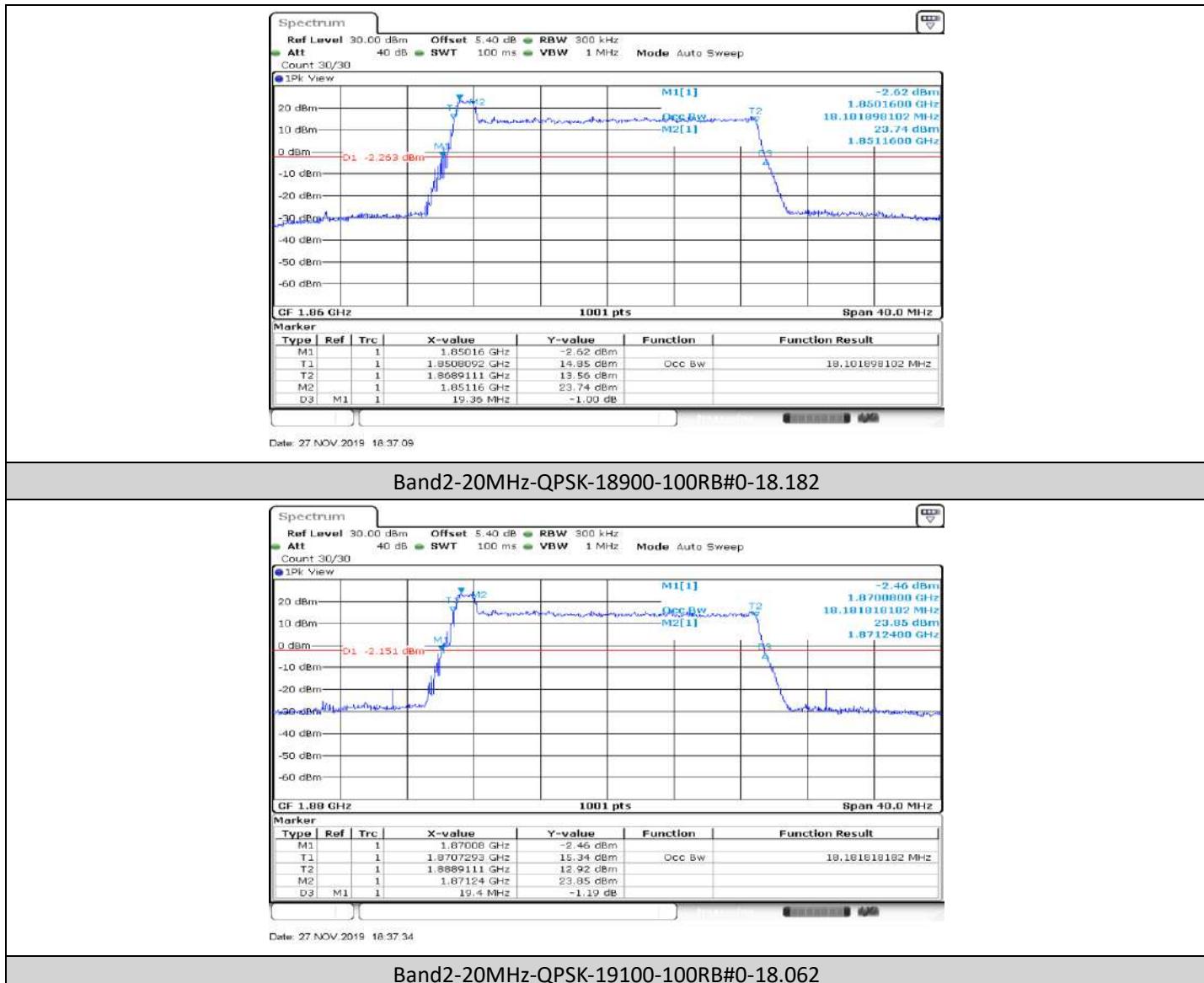




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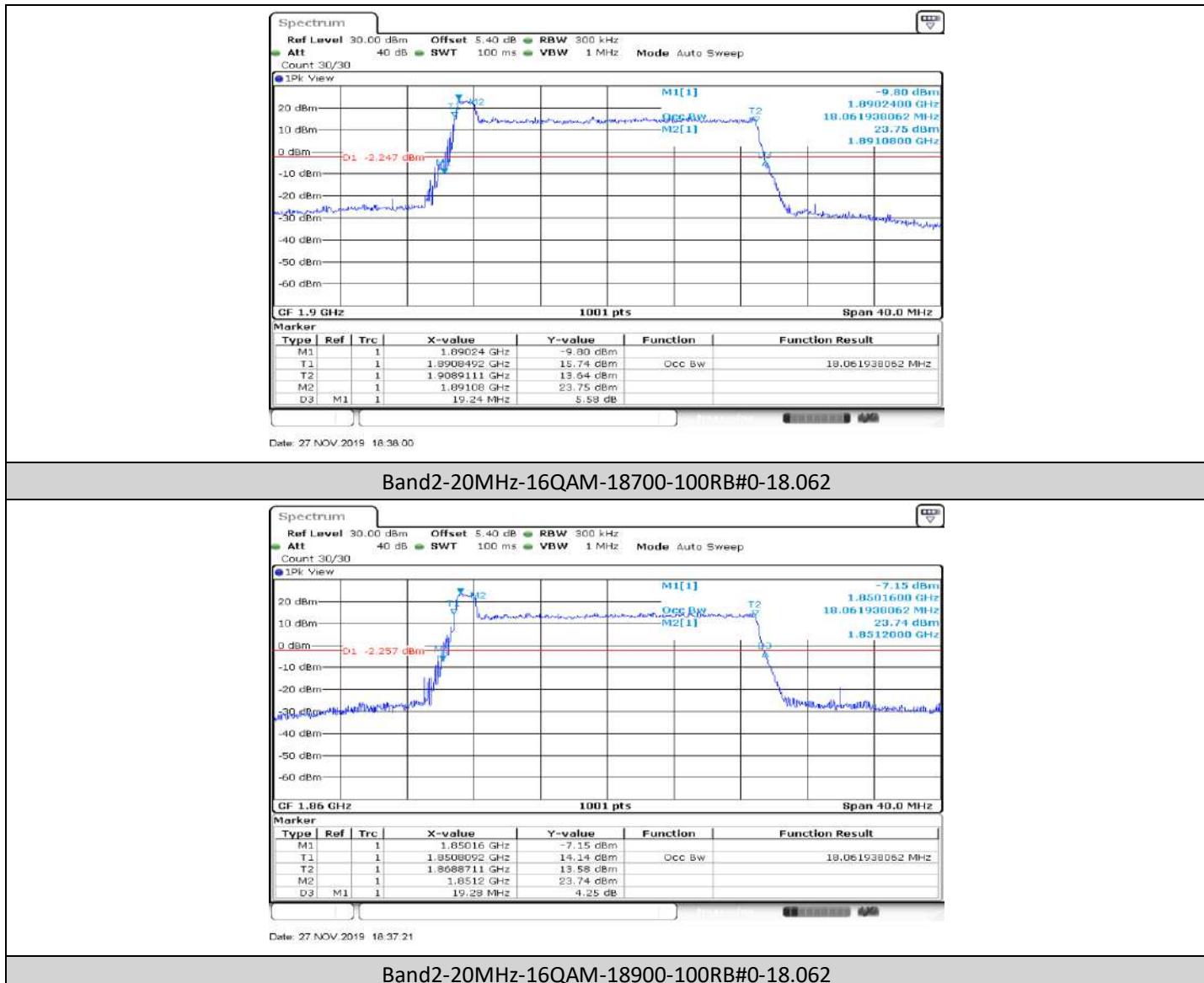




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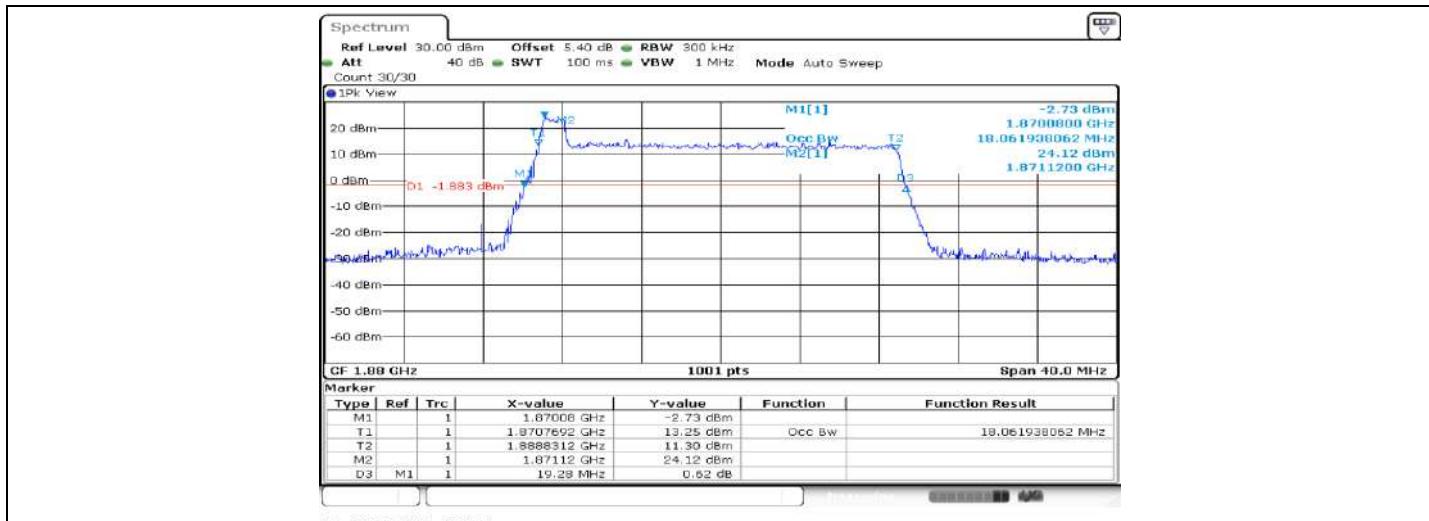




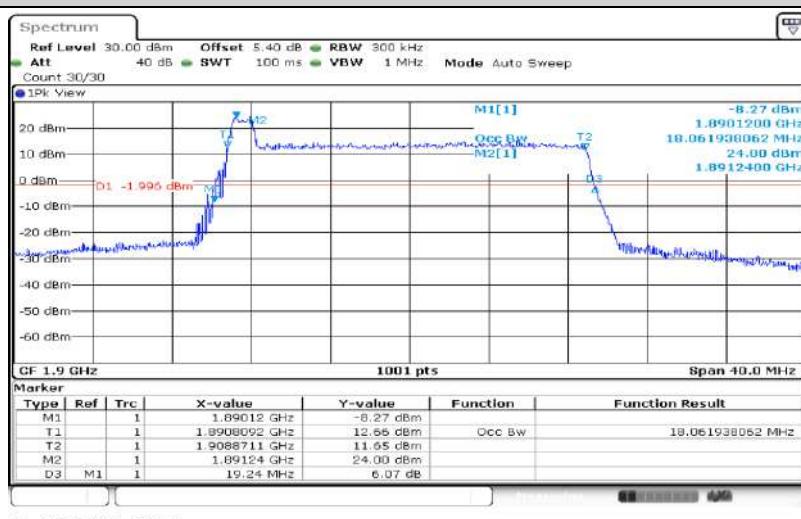
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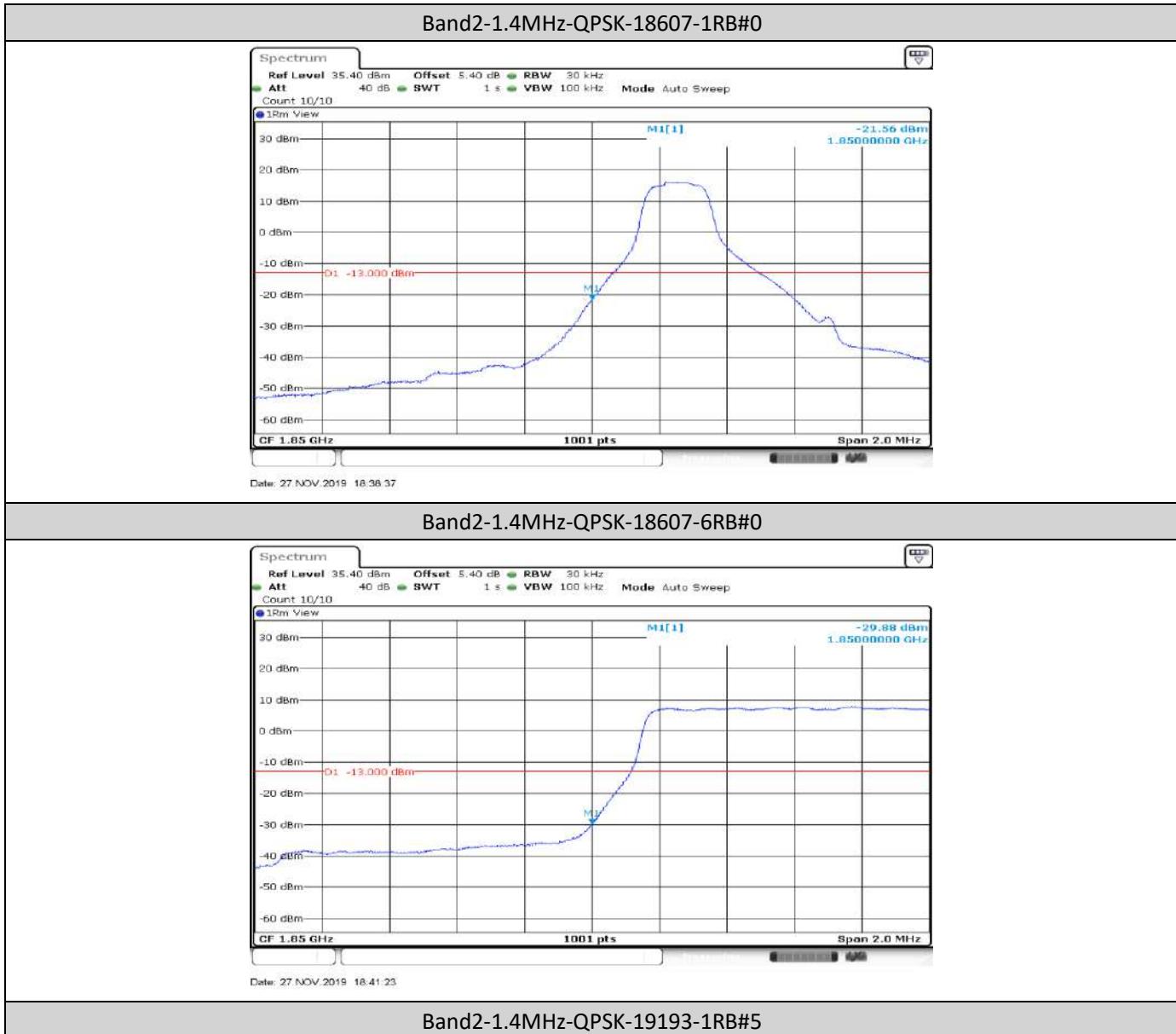
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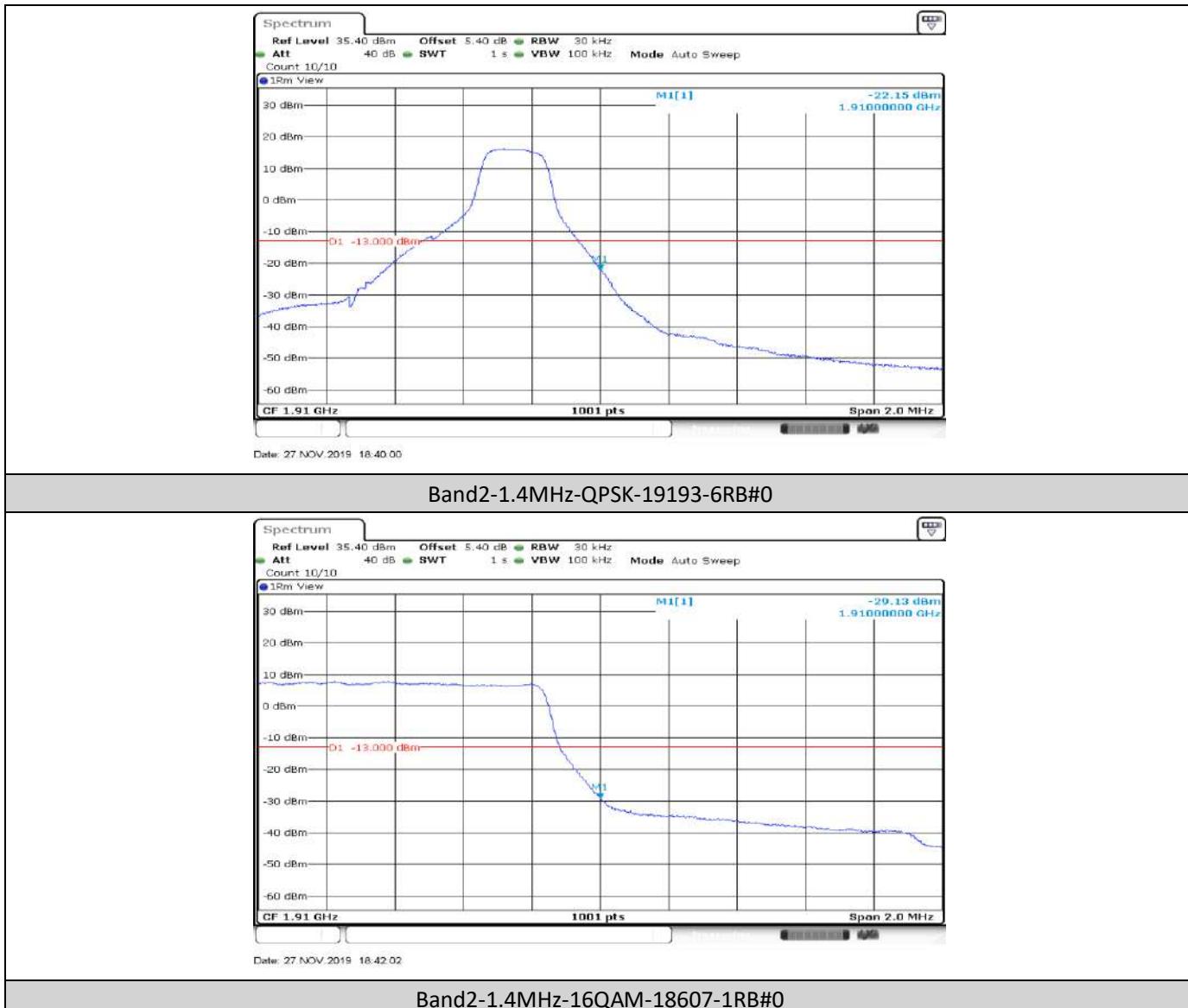
5. Band Edge Compliance

5.1. Test Plots



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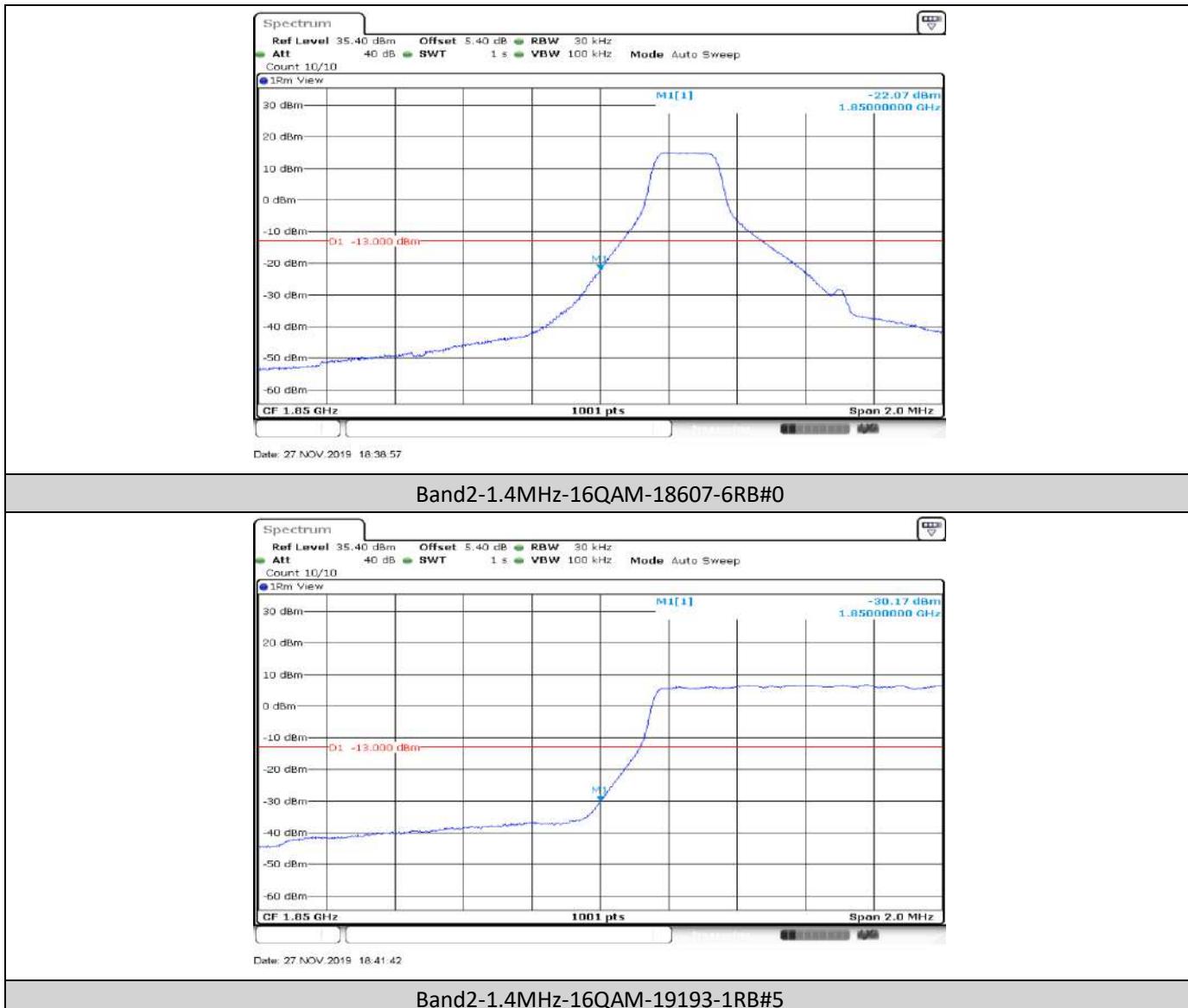


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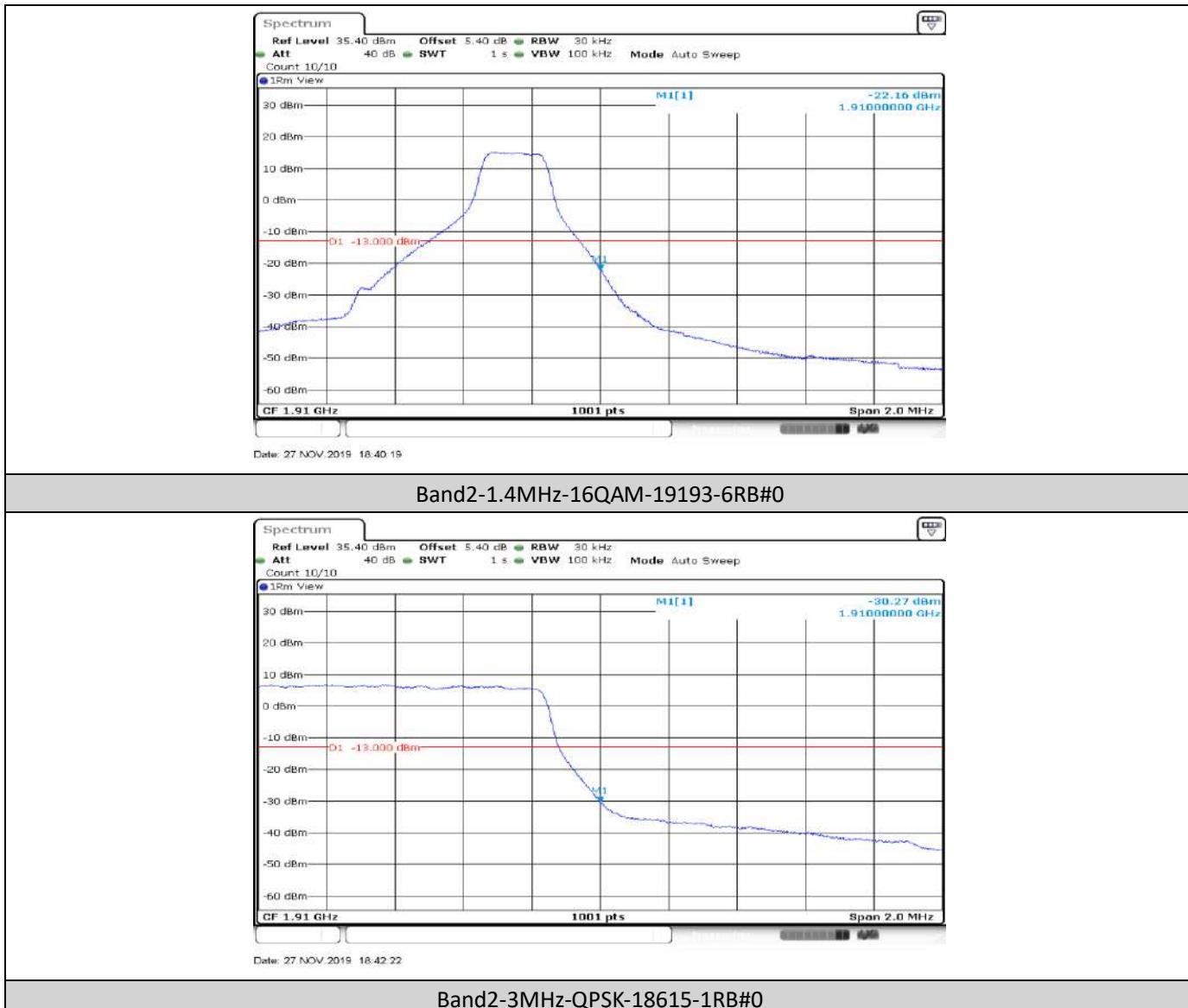
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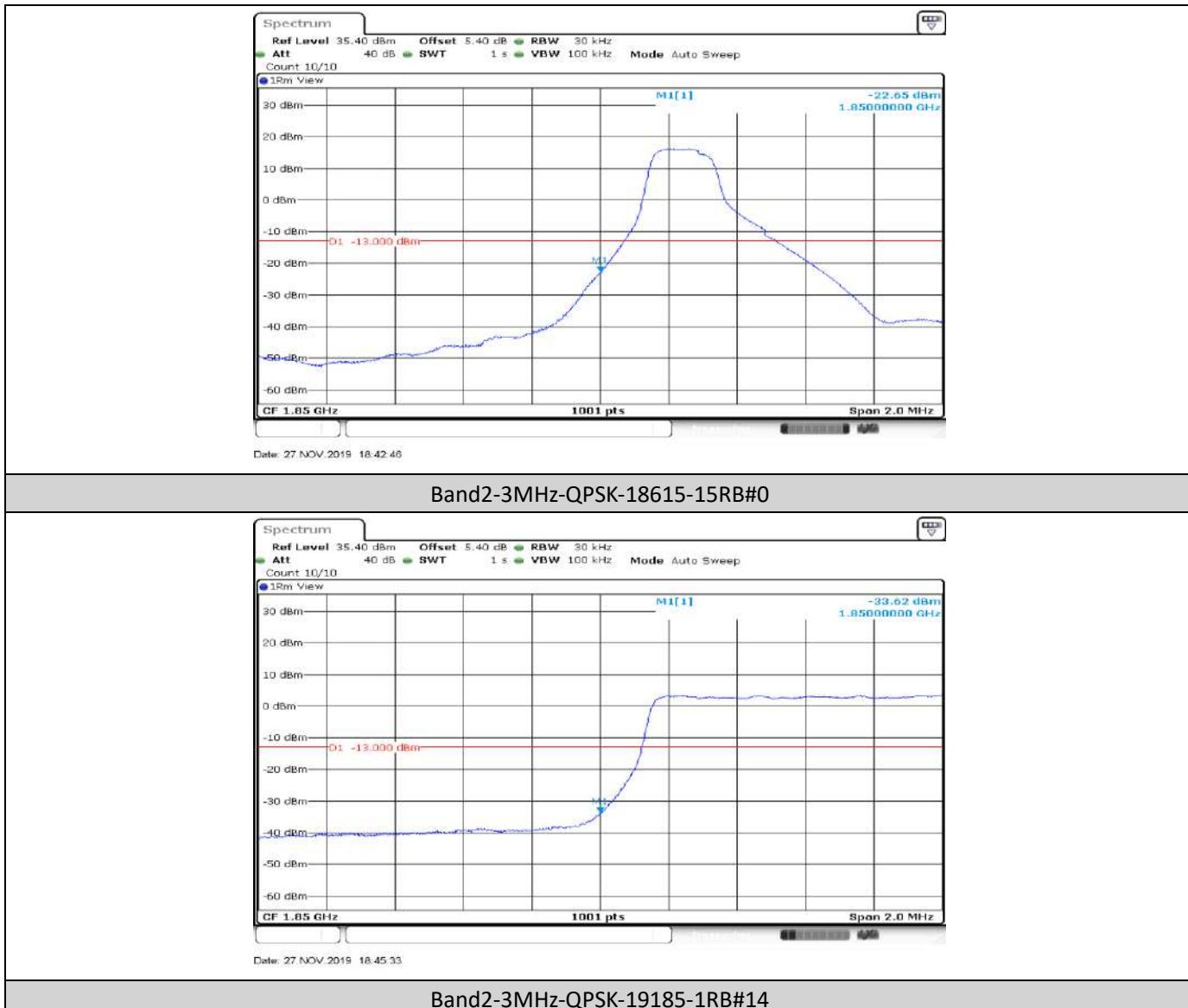
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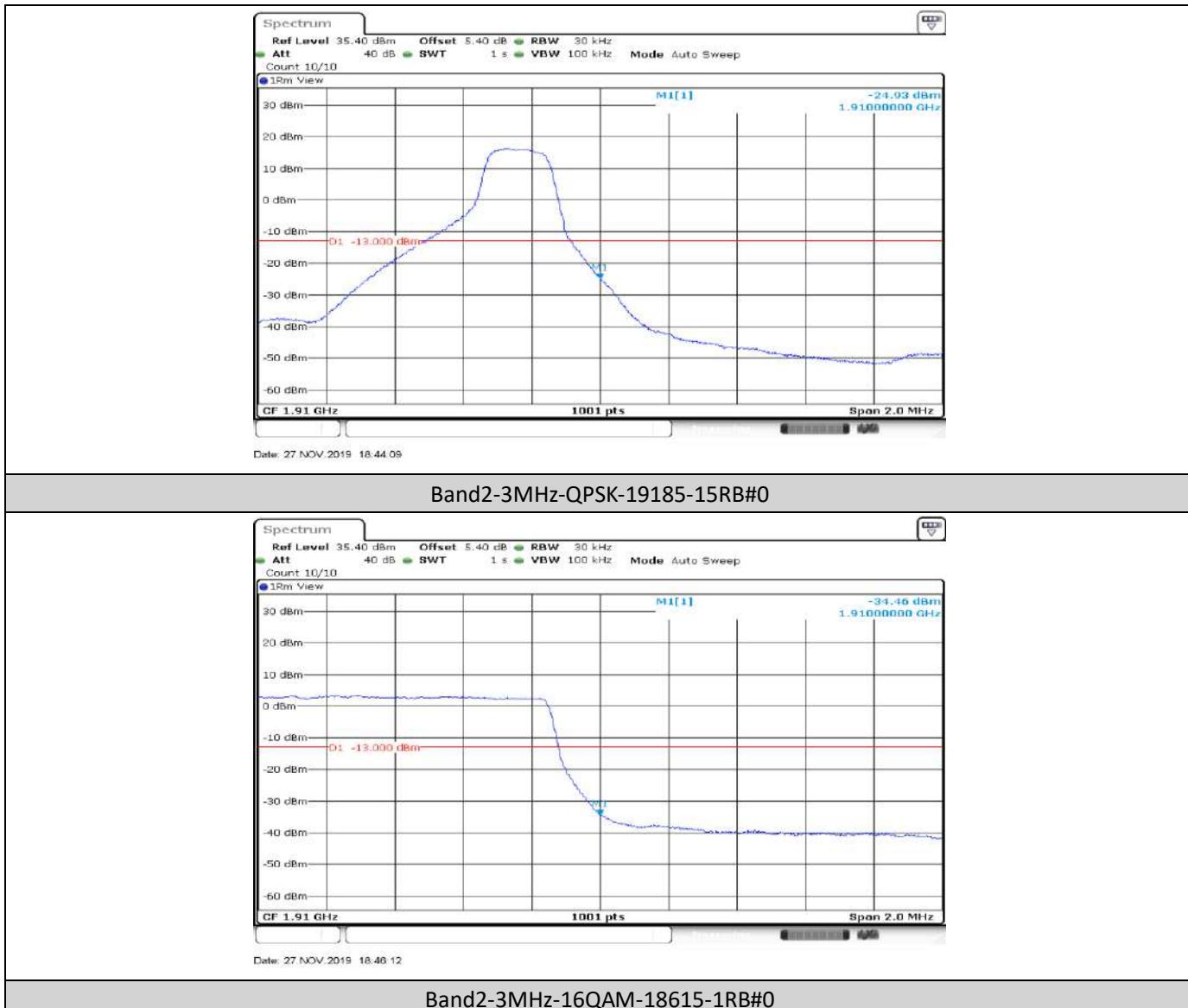
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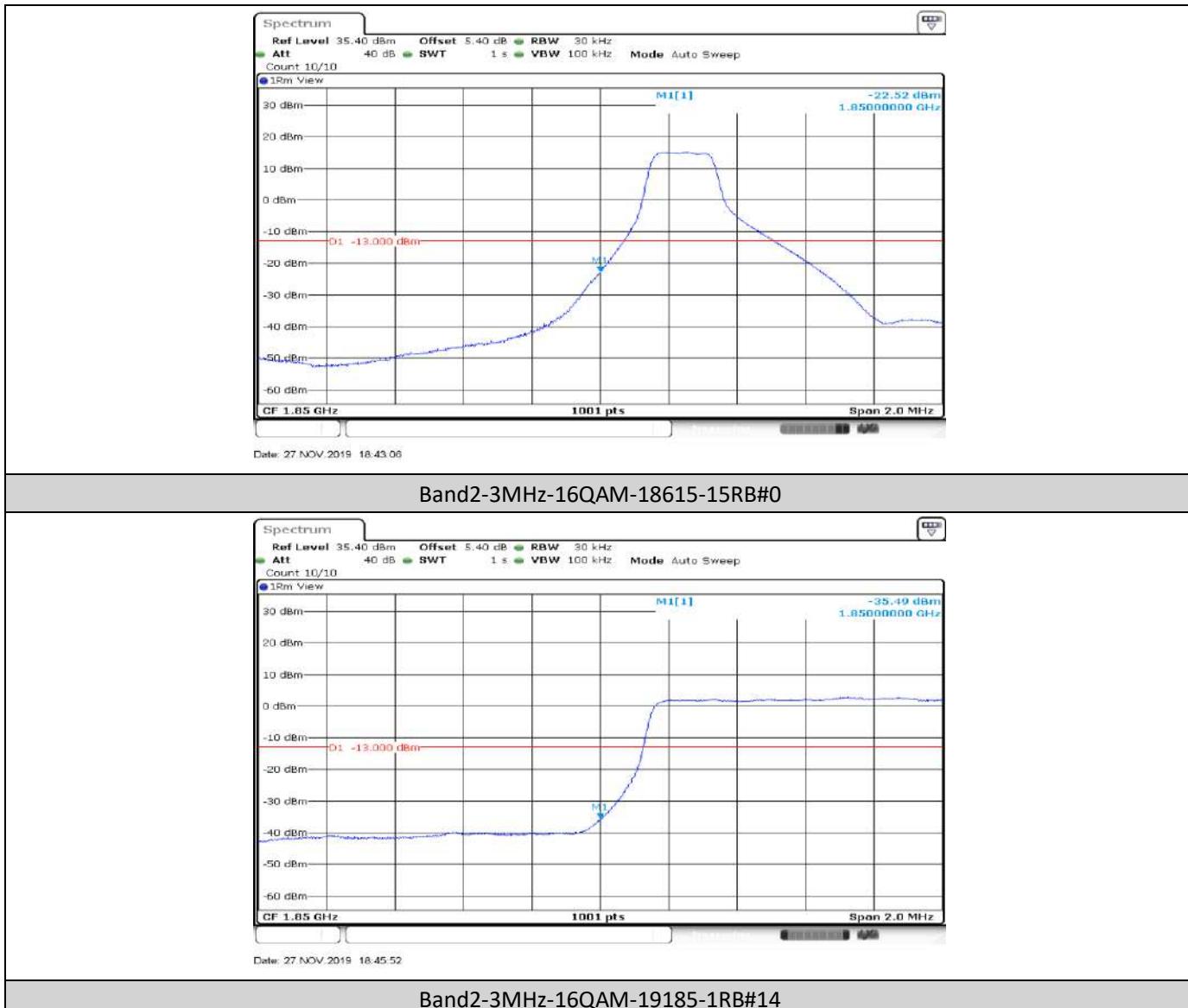


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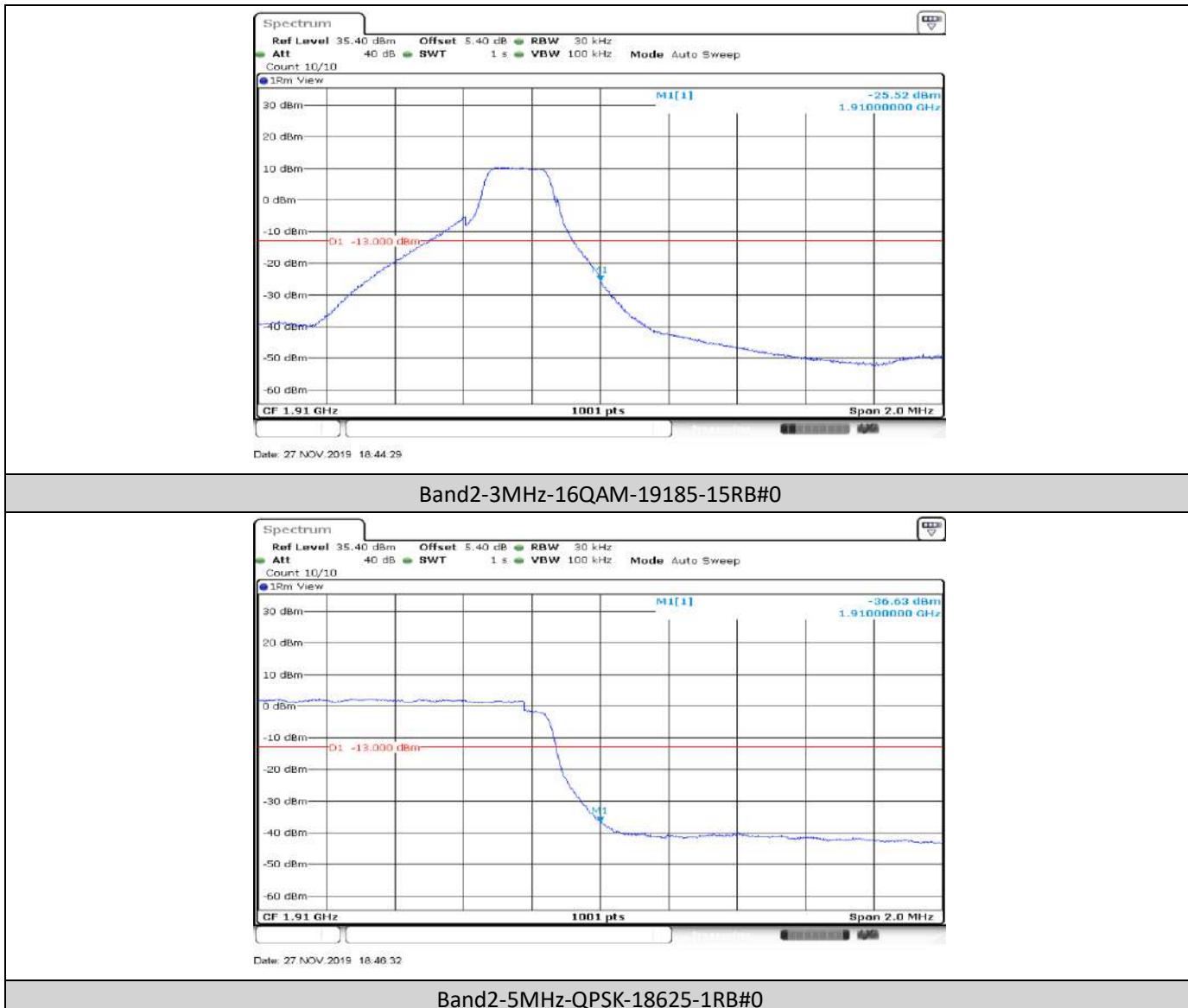


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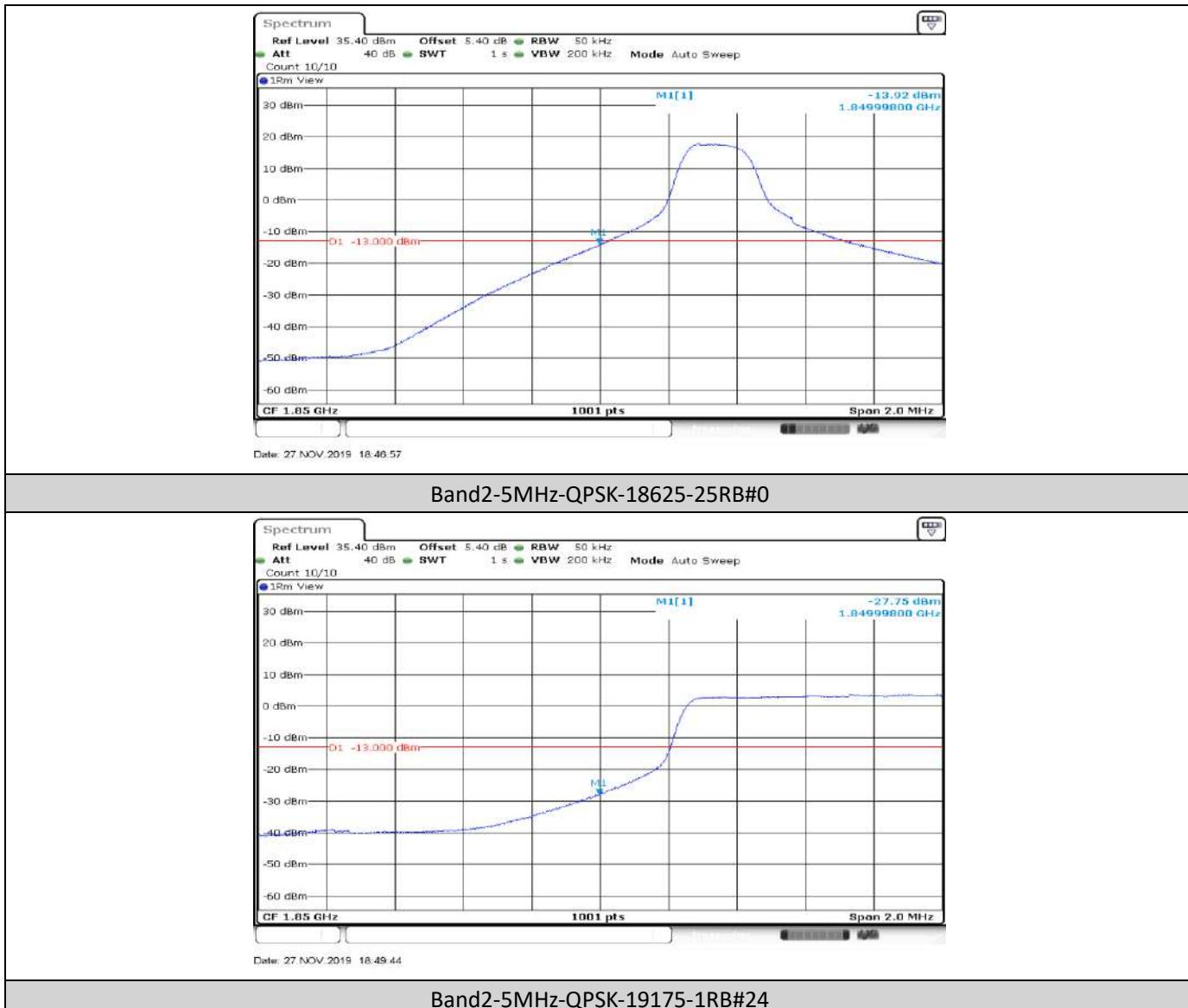


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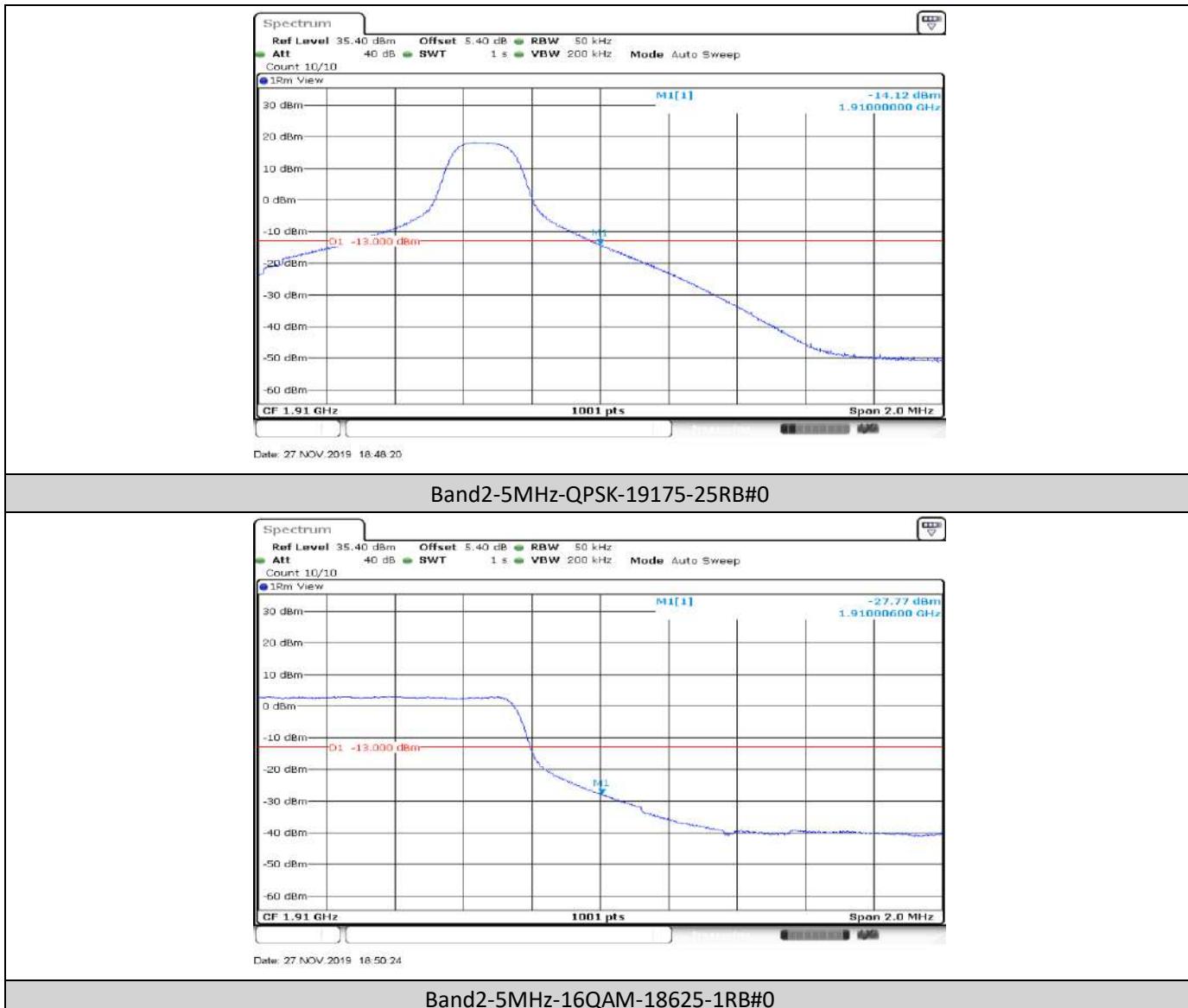


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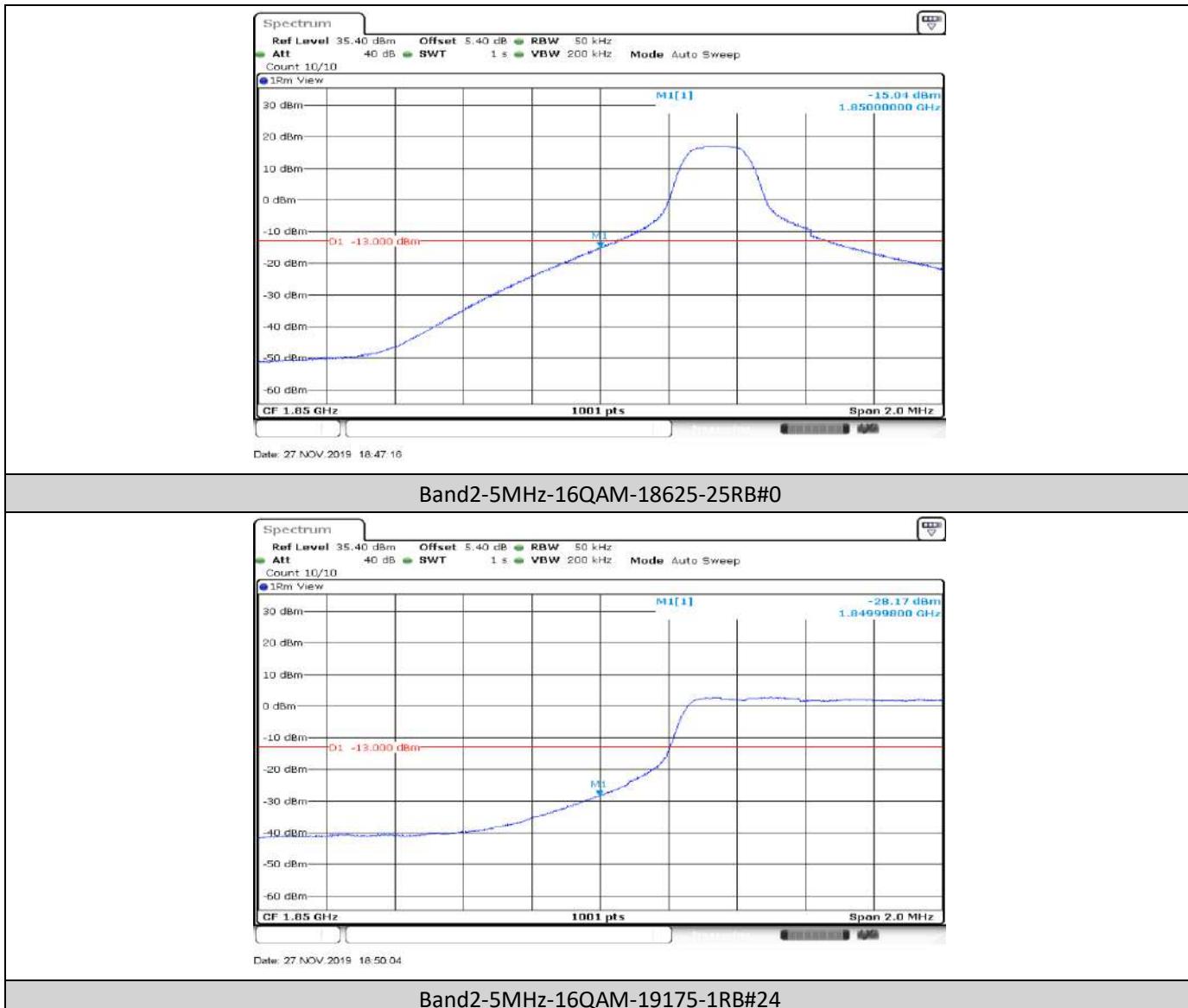


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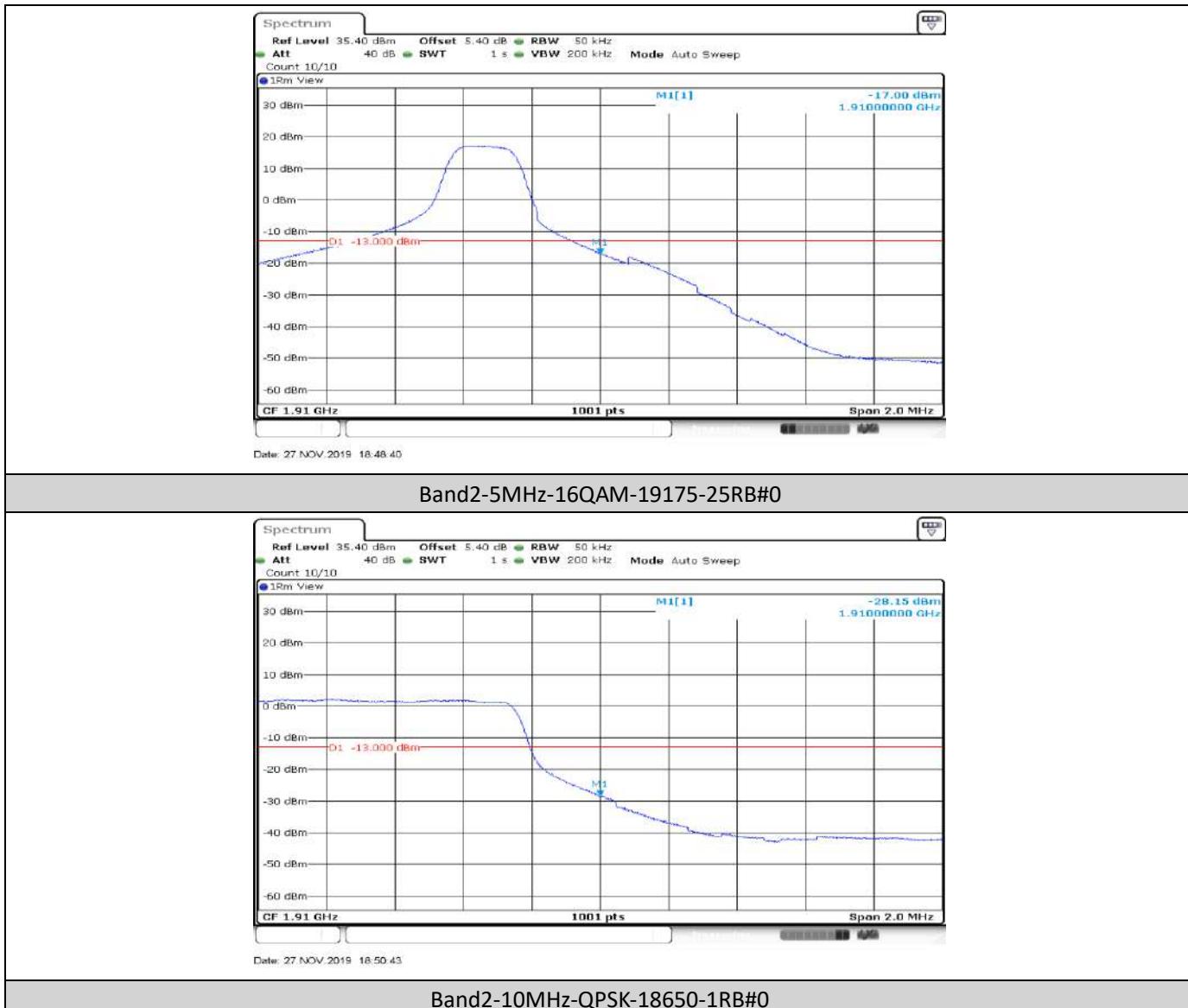


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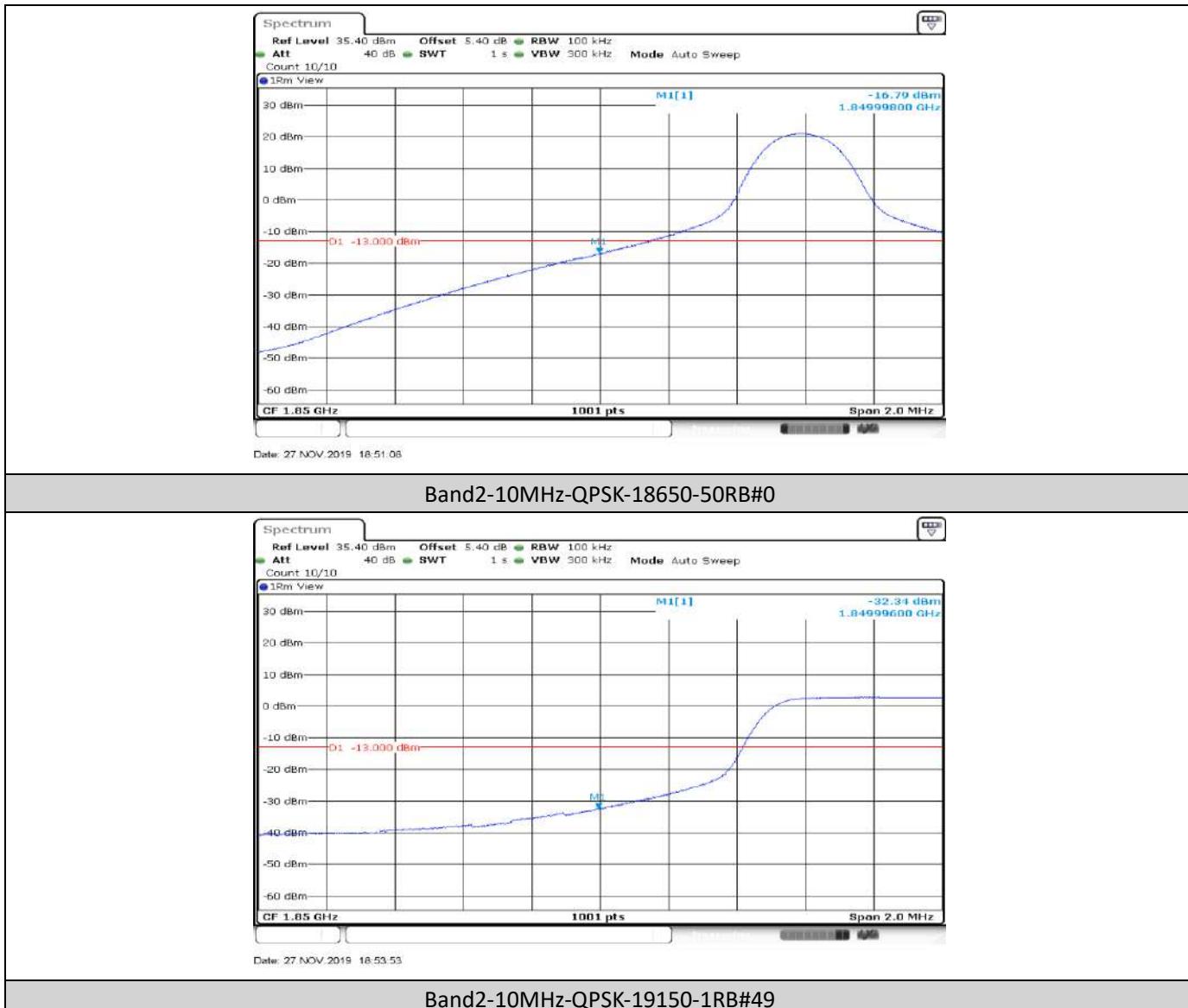


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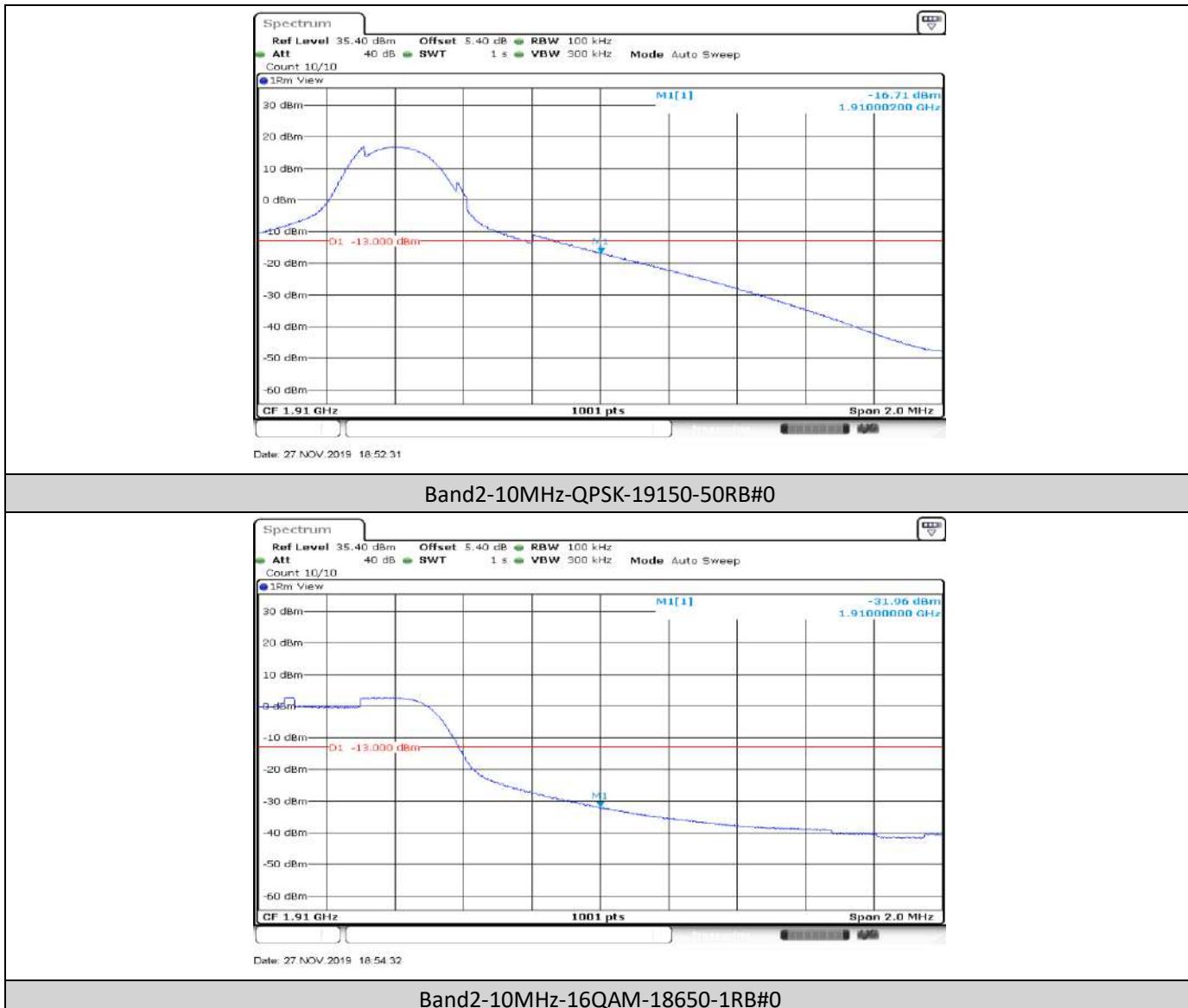


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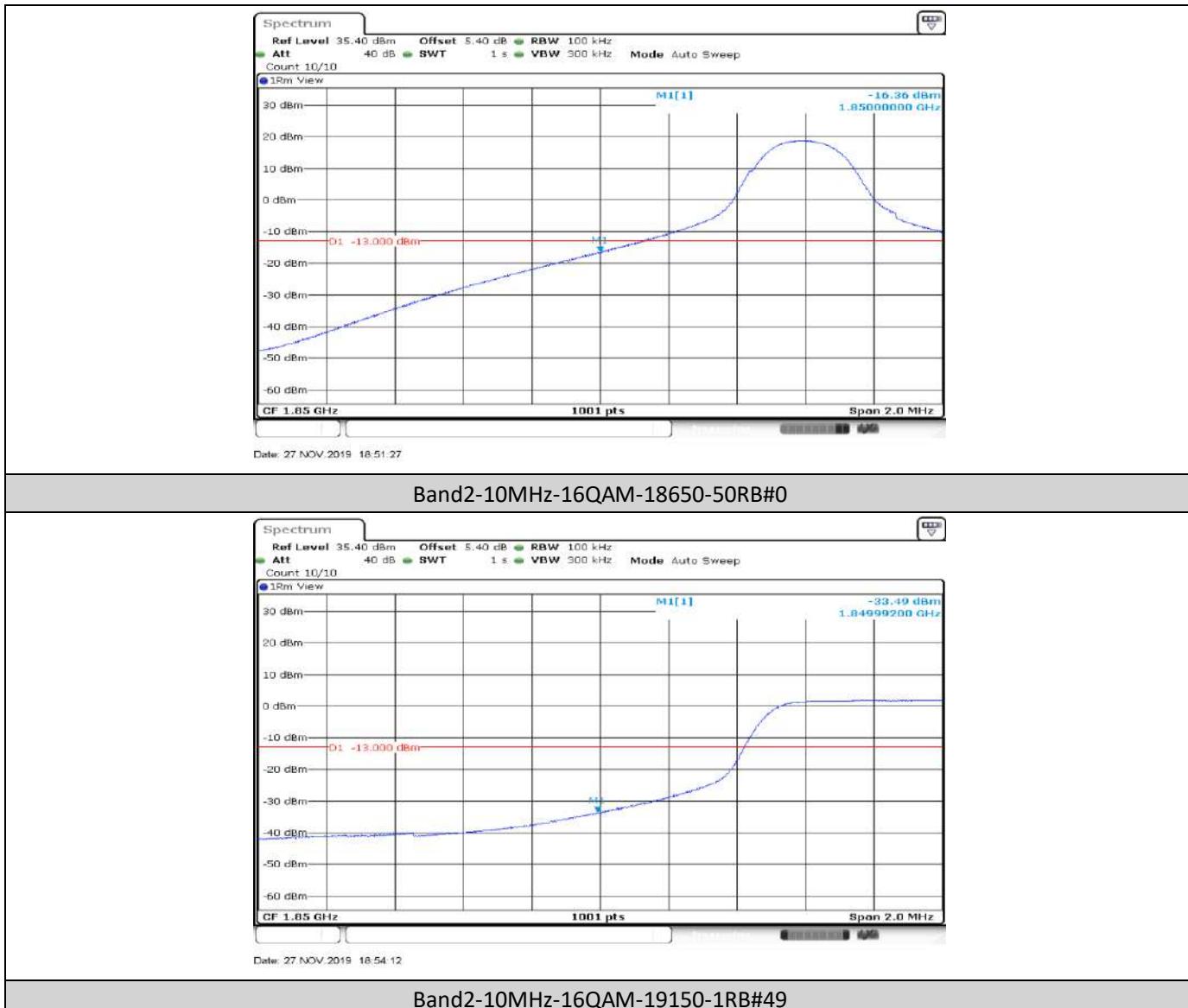


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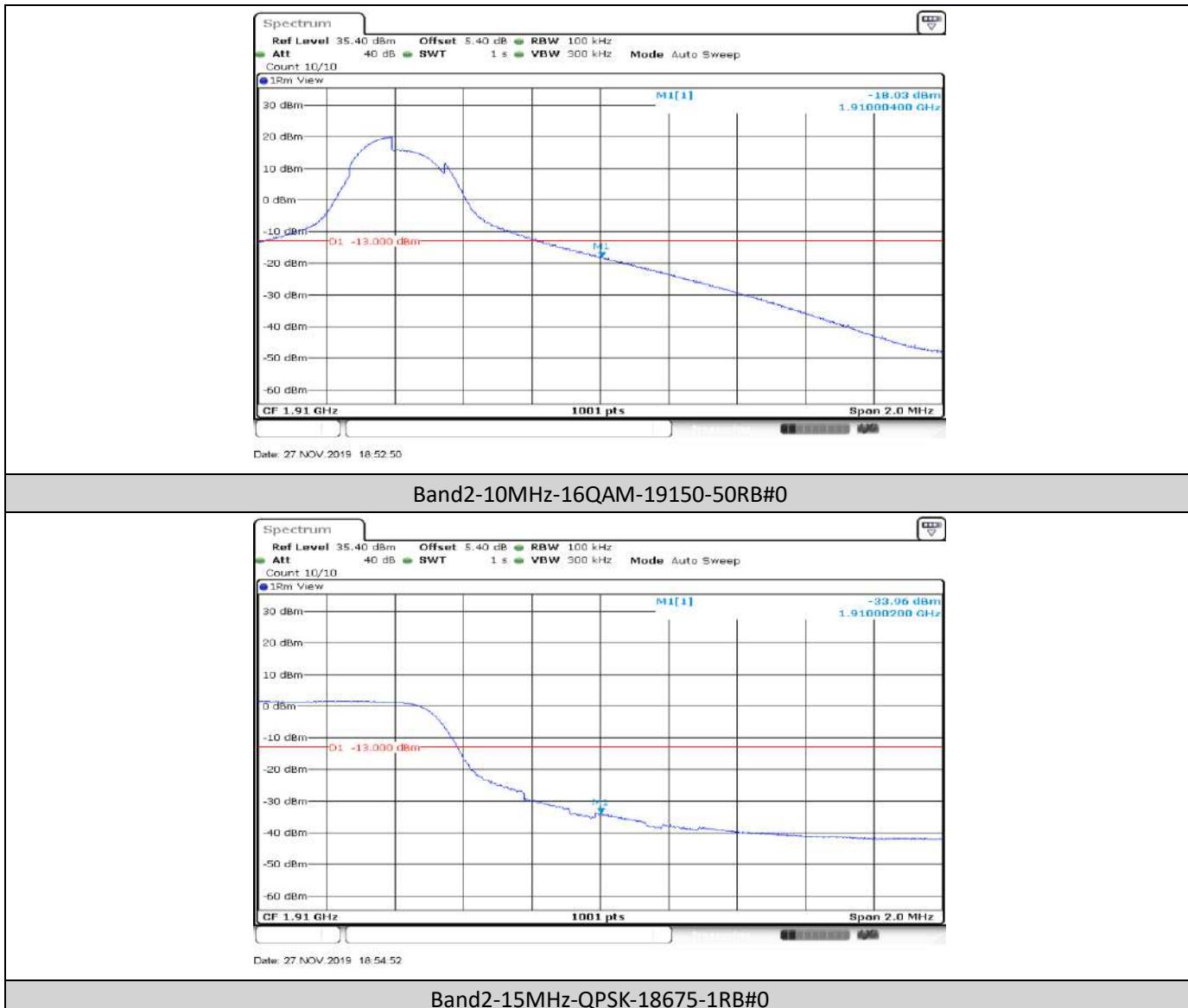


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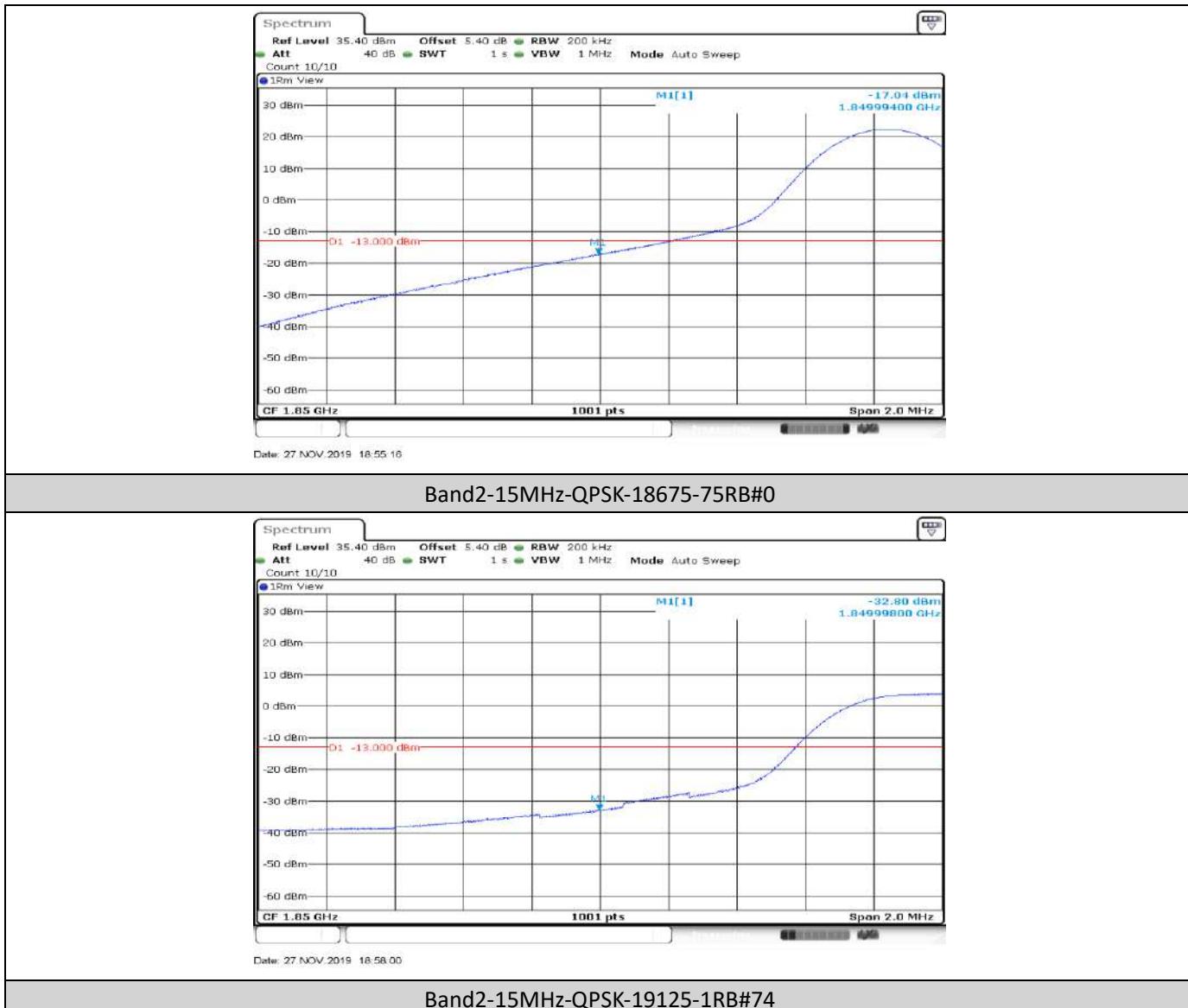


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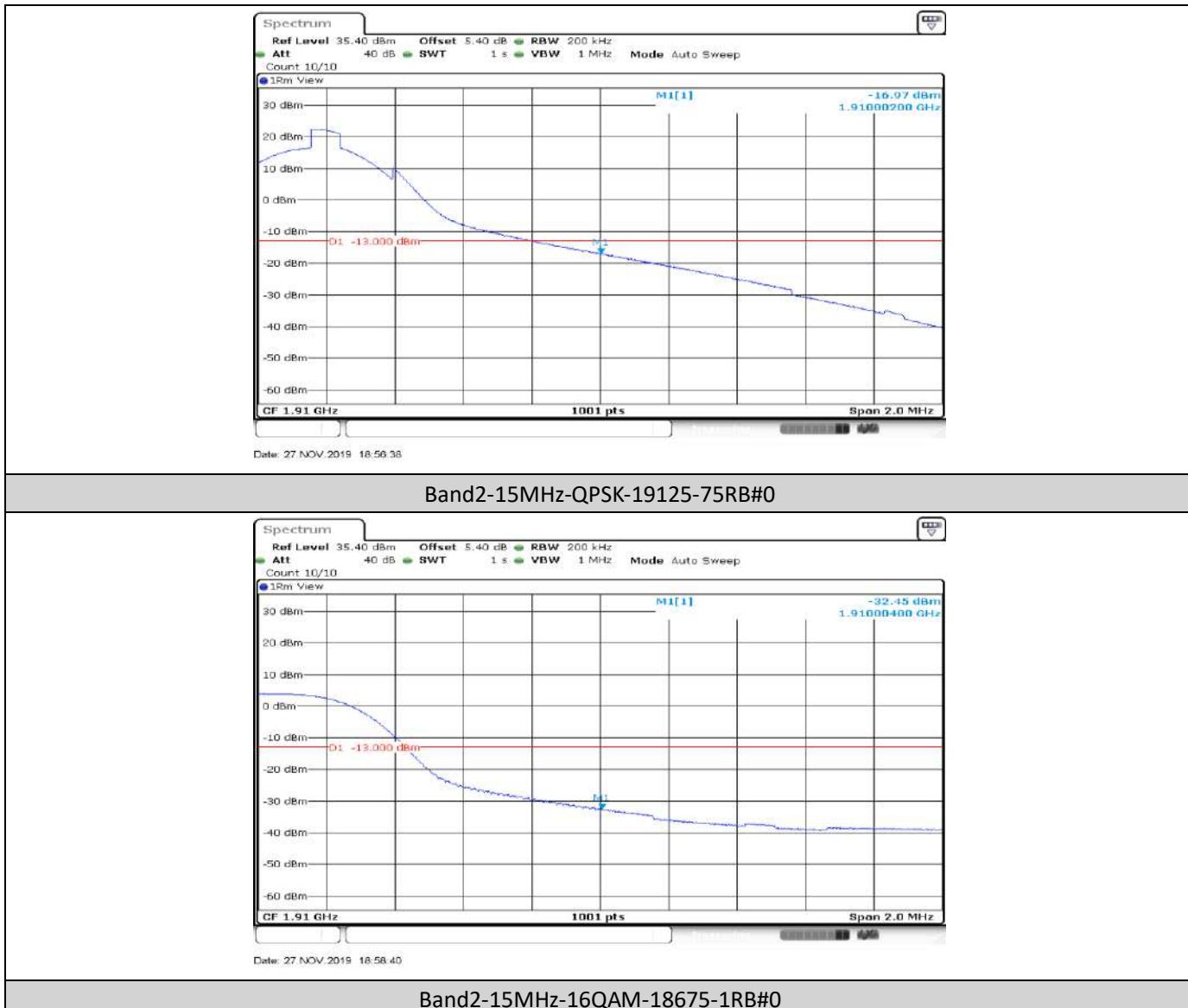


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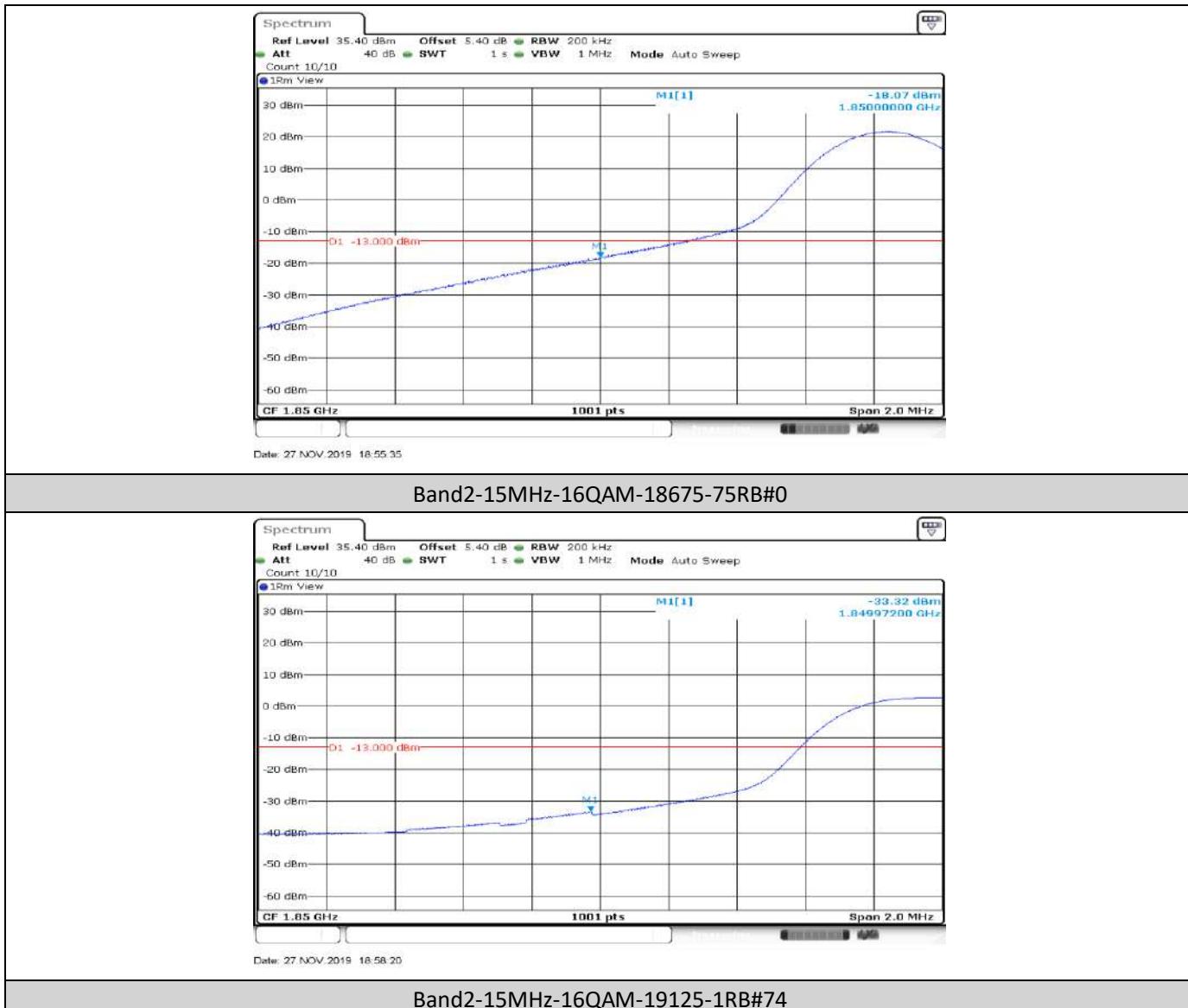


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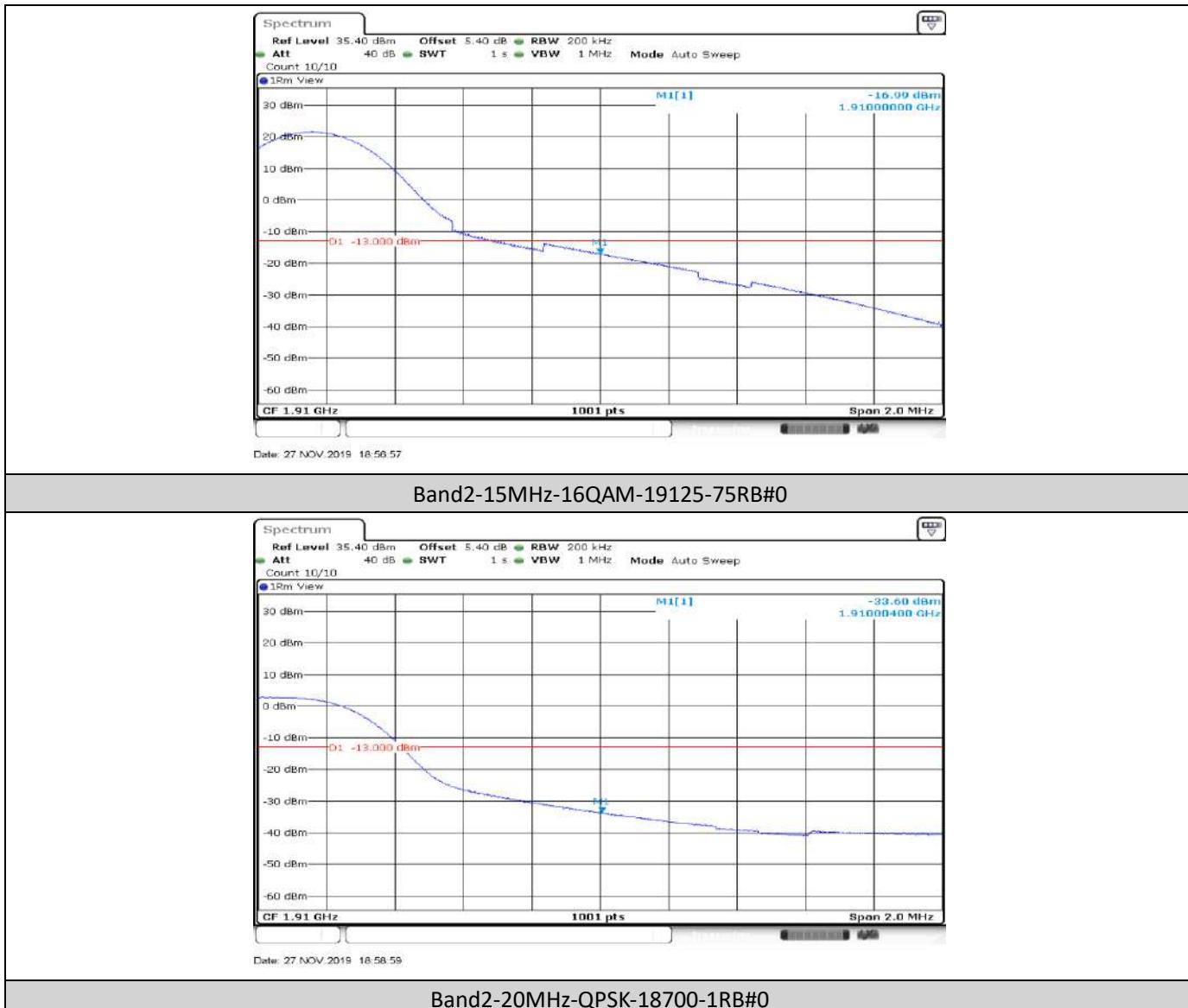


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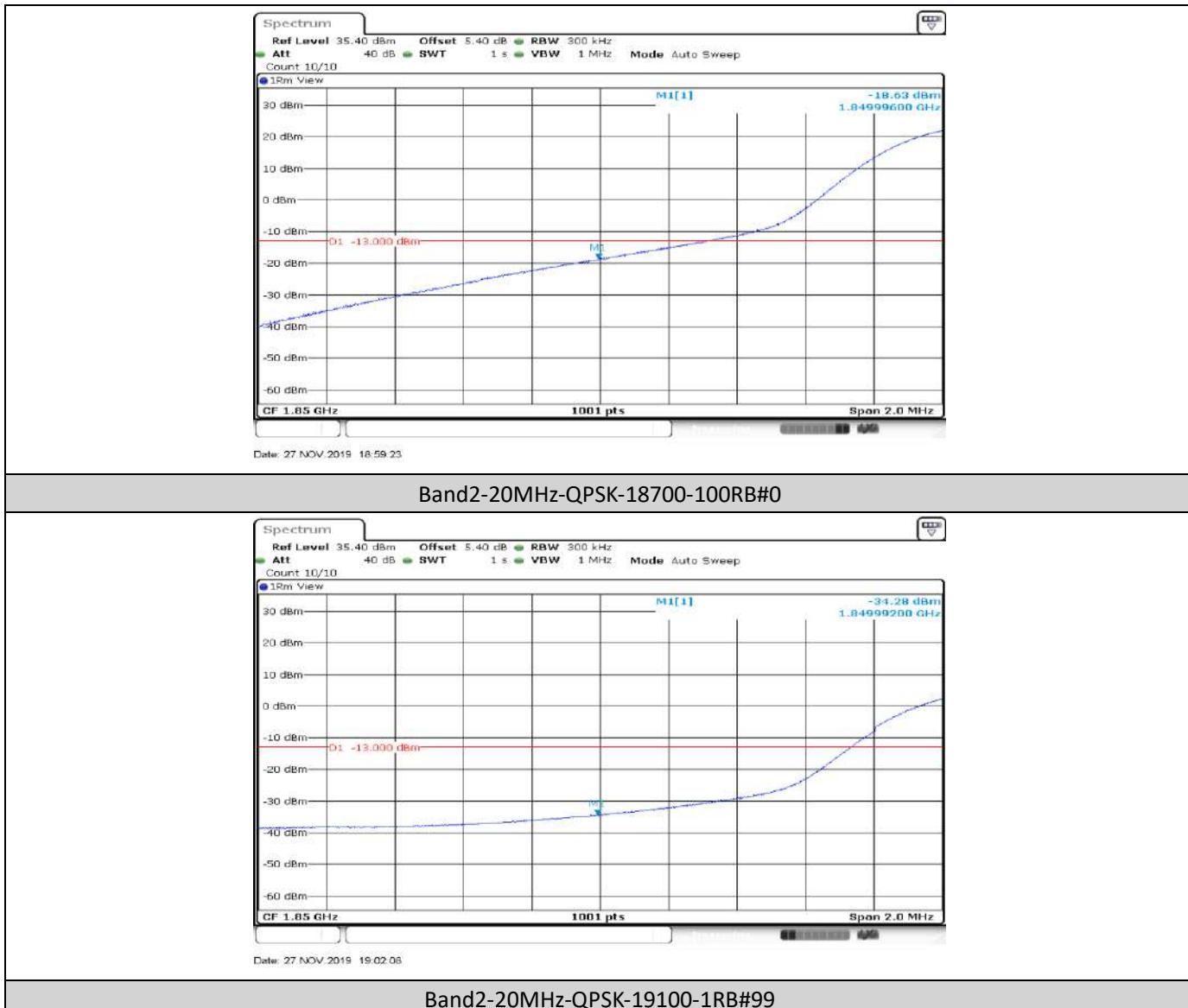
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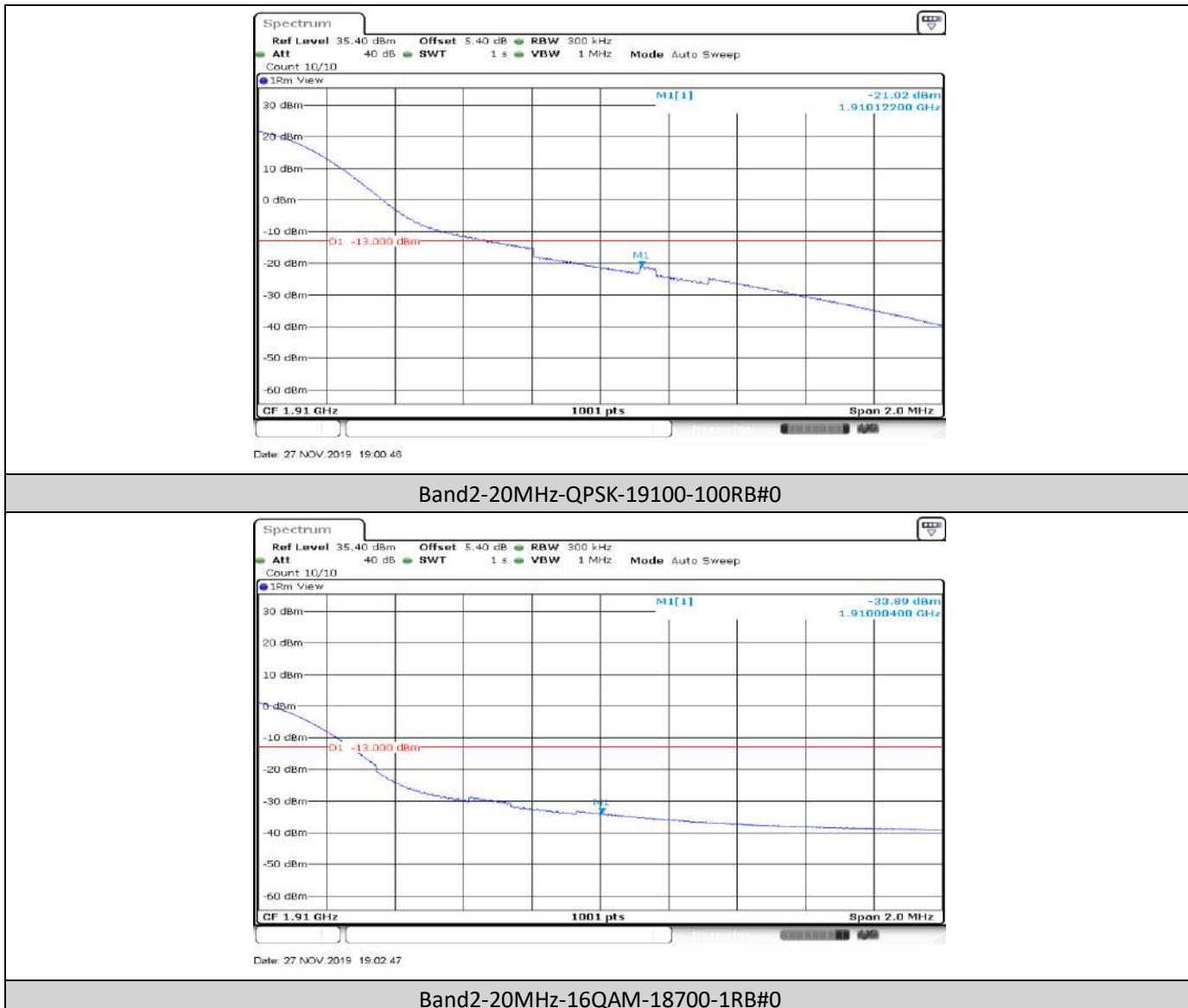


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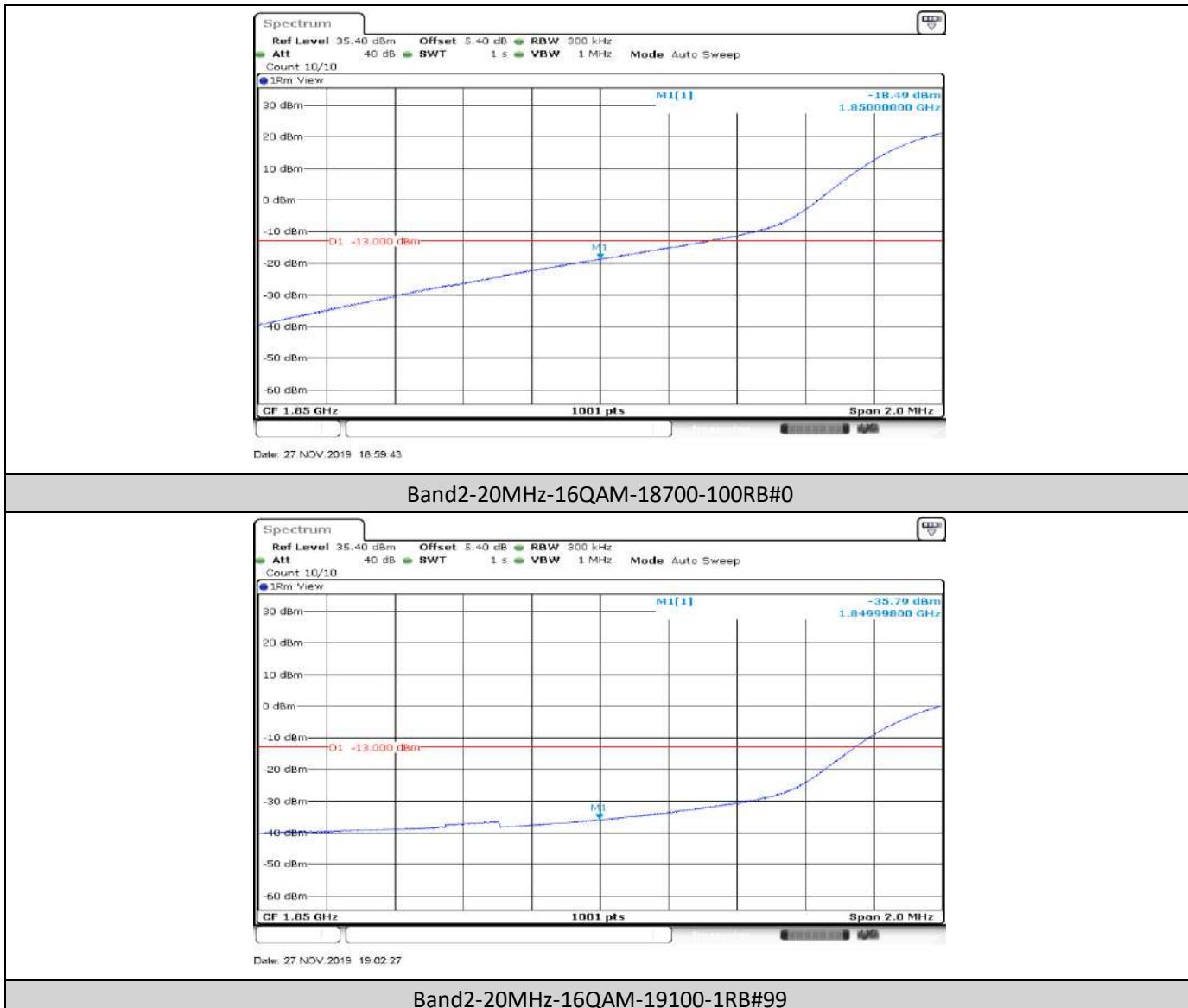


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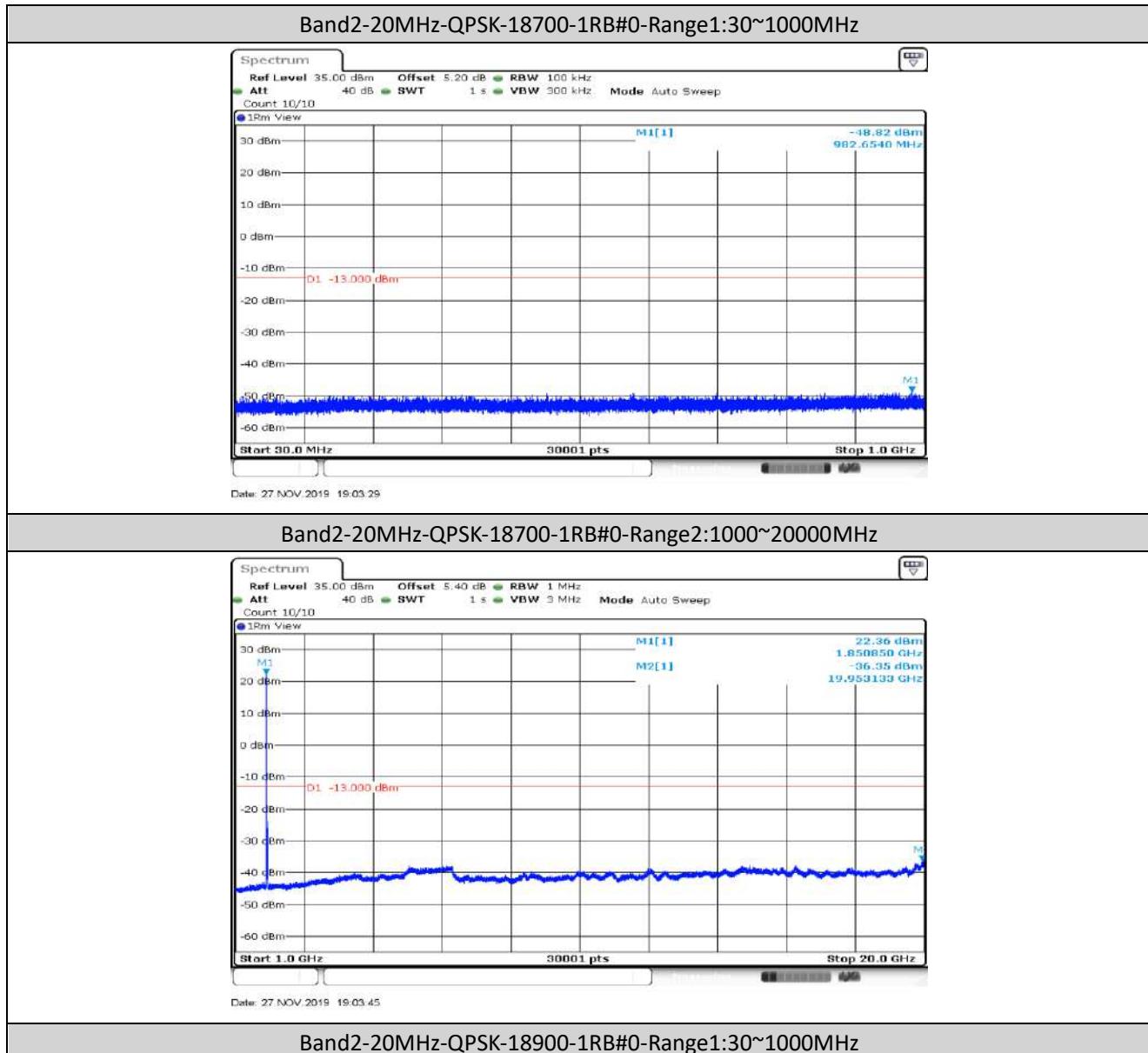
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6. Spurious Emission at Antenna Terminal

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 = $k * (\text{Span} / \text{RBW})$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

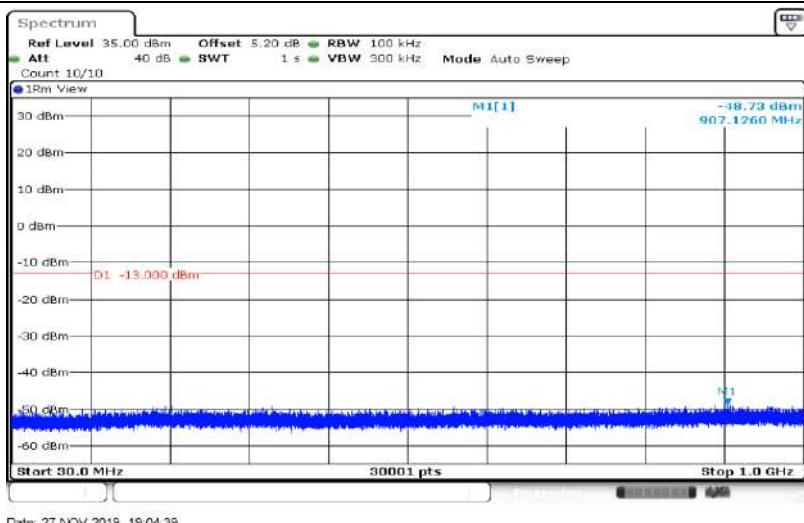
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

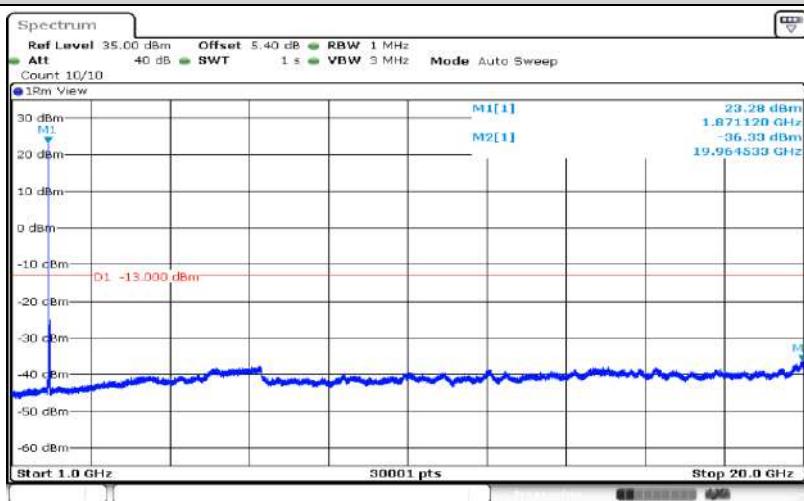


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Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz

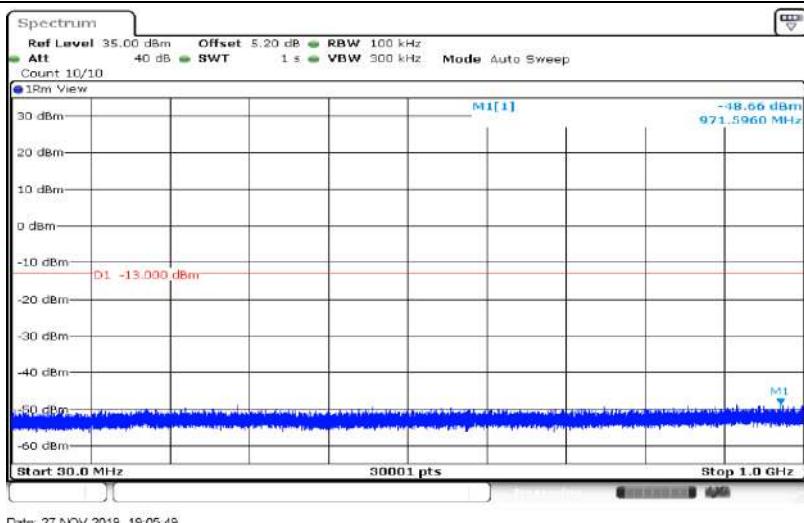


Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz

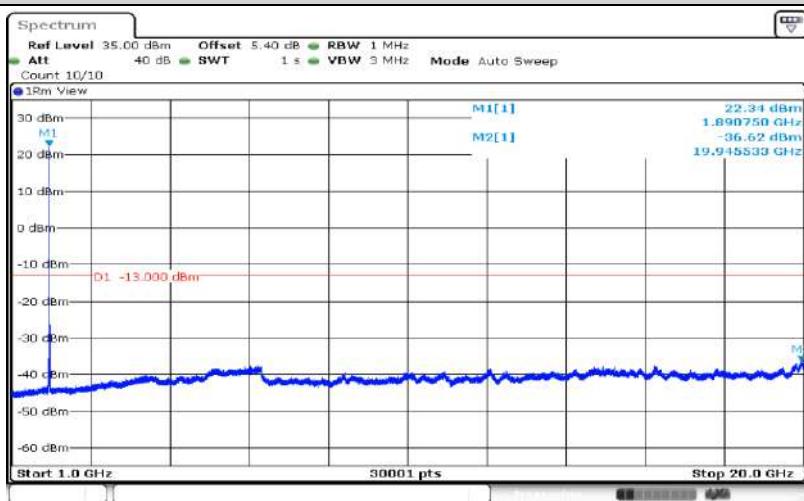
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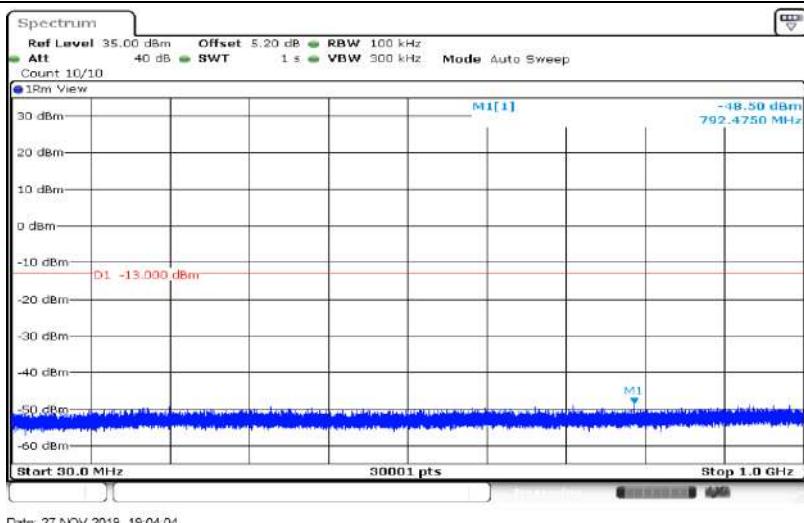


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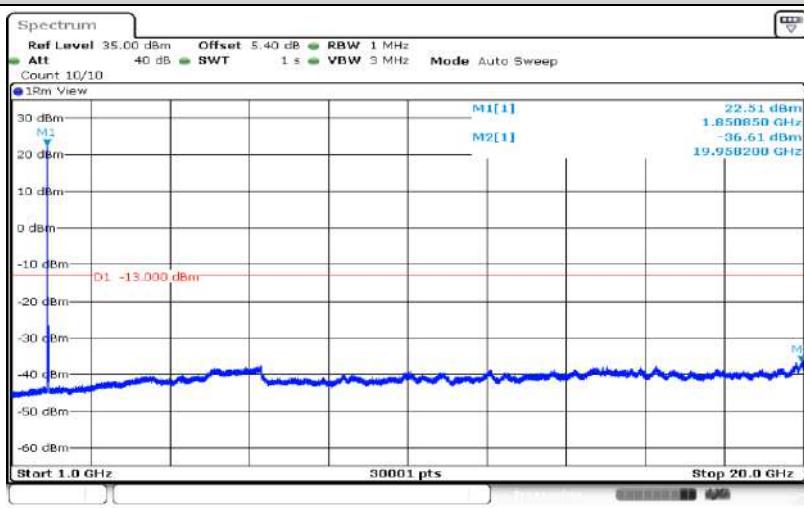
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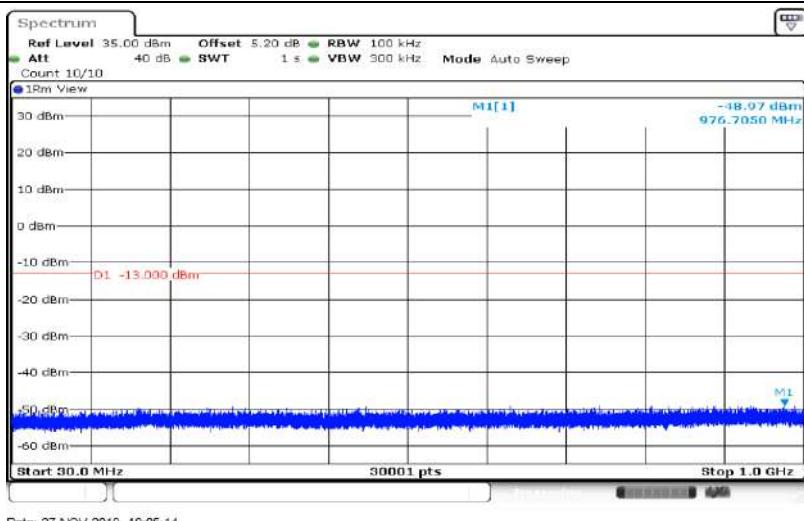
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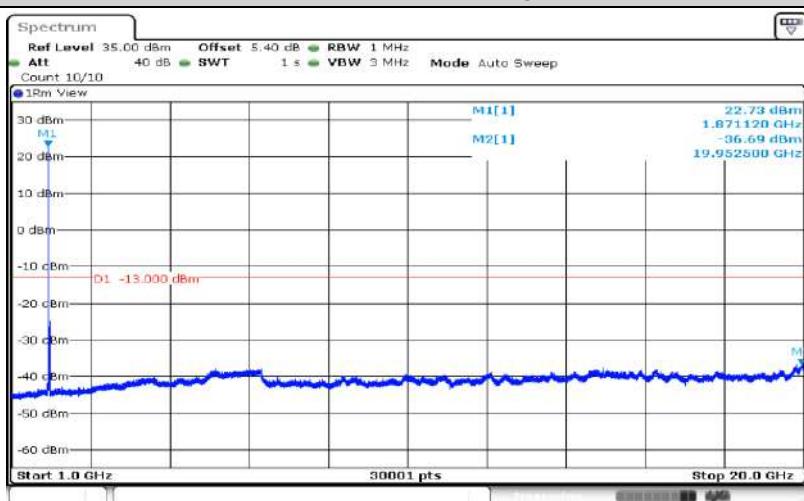
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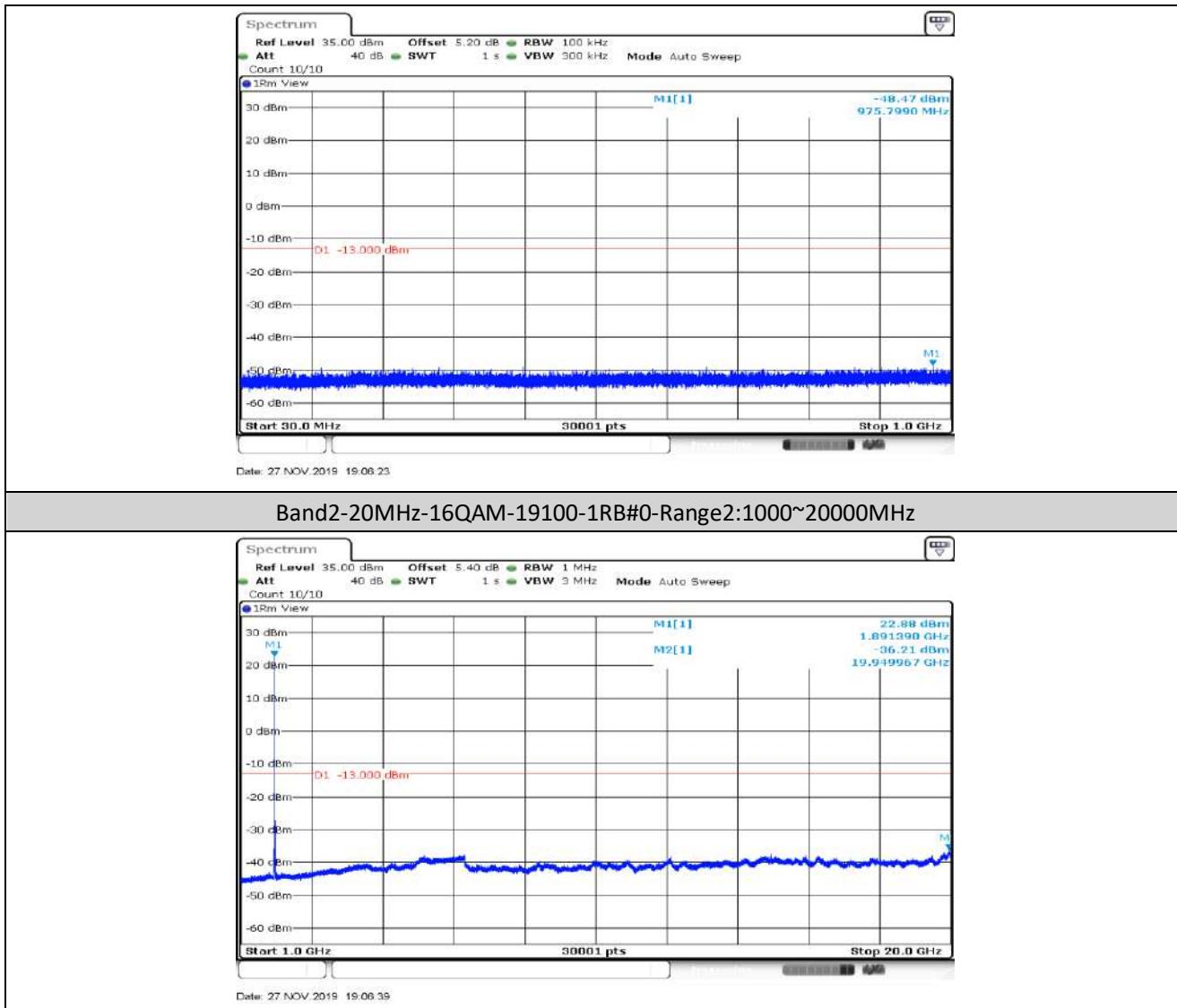
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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 (Main Ant)

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
110.0775	-64.48	-13.00	51.48	185	135	Vertical
2701.9404	-37.45	-13.00	24.45	321	347	Vertical
3702.0234	-55.85	-13.00	42.85	255	86	Vertical
7367.6456	-53.14	-13.00	40.14	228	86	Vertical
14465.8822	-43.31	-13.00	30.31	155	12	Vertical
17991.9997	-34.60	-13.00	21.60	191	86	Vertical
40.0885	-63.75	-13.00	50.75	185	255	Horizontal
2696.3393	-36.36	-13.00	23.36	196	218	Horizontal
3702.0234	-55.82	-13.00	42.82	231	34	Horizontal
9321.2107	-49.77	-13.00	36.77	251	206	Horizontal
16398.9466	-39.36	-13.00	26.36	184	206	Horizontal
17985.4995	-40.56	-13.00	27.56	199	279	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
107.1674	-65.15	-13.00	52.15	185	255	Vertical
2744.3489	-38.27	-13.00	25.27	196	218	Vertical
3742.5248	-56.28	-13.00	43.28	231	34	Vertical
9328.7110	-48.05	-13.00	35.05	251	206	Vertical
14705.3902	-43.09	-13.00	30.09	184	206	Vertical
17998.5000	-34.30	-13.00	21.30	199	279	Vertical
44.0657	-64.18	-13.00	51.18	184	12	Horizontal
241.3251	-67.52	-13.00	54.52	254	282	Horizontal
2591.1182	-36.11	-13.00	23.11	284	205	Horizontal
3742.0247	-56.56	-13.00	43.56	252	12	Horizontal
9319.2106	-48.87	-13.00	35.87	151	36	Horizontal
16379.9460	-38.97	-13.00	25.97	196	232	Horizontal

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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
112.6481	-64.92	-13.00	51.92	174	356	Vertical
2702.7405	-37.24	-13.00	24.24	185	153	Vertical
3782.0261	-55.22	-13.00	42.22	196	37	Vertical
7383.1461	-52.16	-13.00	39.16	213	86	Vertical
14691.3897	-42.05	-13.00	29.05	251	13	Vertical
17995.4999	-33.96	-13.00	20.96	224	86	Vertical
44.1142	-64.67	-13.00	51.67	185	233	Horizontal
235.4563	-68.62	-13.00	55.62	196	331	Horizontal
2701.5403	-35.99	-13.00	22.99	231	318	Horizontal
9324.7108	-48.28	-13.00	35.28	252	233	Horizontal
16398.4466	-38.34	-13.00	25.34	264	134	Horizontal
17995.9999	-38.47	-13.00	25.47	187	307	Horizontal

7.2. Test Mode =LTE/TM1 (Second Ant)

7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
109.5440	-65.20	-13.00	52.20	196	53	Vertical
2696.3393	-37.33	-13.00	24.33	232	139	Vertical
3742.5248	-57.41	-13.00	44.41	262	53	Vertical
11226.7742	-44.99	-13.00	31.99	284	4	Vertical
14489.3830	-42.82	-13.00	29.82	154	151	Vertical
17990.4997	-33.91	-13.00	20.91	274	151	Vertical
44.2112	-63.79	-13.00	50.79	185	281	Horizontal
232.7401	-68.11	-13.00	55.11	196	110	Horizontal
2705.5411	-36.38	-13.00	23.38	213	238	Horizontal
3742.0247	-54.07	-13.00	41.07	225	85	Horizontal
9310.7104	-48.70	-13.00	35.70	174	208	Horizontal
16398.4466	-38.46	-13.00	25.46	184	36	Horizontal

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7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
111.9206	-64.93	-13.00	51.93	159	299	Vertical
604.5597	-62.51	-13.00	49.51	196	53	Vertical
2702.3405	-37.46	-13.00	24.46	322	248	Vertical
3702.0234	-55.12	-13.00	42.12	225	324	Vertical
14494.3831	-42.84	-13.00	29.84	284	29	Vertical
17990.9997	-34.36	-13.00	21.36	194	275	Vertical
45.6663	-64.18	-13.00	51.18	258	225	Horizontal
239.6760	-68.50	-13.00	55.50	174	347	Horizontal
2699.9400	-36.23	-13.00	23.23	196	341	Horizontal
3702.0234	-50.70	-13.00	37.70	321	53	Horizontal
9323.2108	-48.96	-13.00	35.96	262	249	Horizontal
16396.9466	-38.65	-13.00	25.65	254	249	Horizontal

7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
111.6781	-65.28	-13.00	52.28	191	353	Vertical
2693.1386	-37.80	-13.00	24.80	158	356	Vertical
3782.0261	-56.68	-13.00	43.68	232	329	Vertical
11346.2782	-42.37	-13.00	29.37	265	353	Vertical
14445.3815	-42.98	-13.00	29.98	284	157	Vertical
17999.5000	-34.70	-13.00	21.70	174	82	Vertical
41.3011	-64.19	-13.00	51.19	177	127	Horizontal
2582.3165	-35.04	-13.00	22.04	258	51	Horizontal
3782.0261	-52.65	-13.00	39.65	262	78	Horizontal
11346.7782	-46.00	-13.00	33.00	231	78	Horizontal
16380.9460	-39.27	-13.00	26.27	208	53	Horizontal
17999.5000	-39.66	-13.00	26.66	181	300	Horizontal

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

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found when testing, so only the worst case data displayed in this report.

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

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	5.60	0.003011	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	5.70	0.003065	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	2.70	0.001452	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-15.40	-0.008191	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-9.10	-0.004840	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-15.10	-0.008032	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-16.70	-0.008789	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-4.00	-0.002105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	3.70	0.001947	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-12.60	-0.006774	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	-8.30	-0.004462	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	4.40	0.002366	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	6.00	0.003191	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-13.20	-0.007021	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-0.70	-0.000372	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-11.50	-0.006053	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-12.70	-0.006684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-12.20	-0.006421	±2.5	PASS

8.2. Frequency Vs 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	6.70	0.003602	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	-8.30	-0.004462	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	0.50	0.000269	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-10.20	-0.005484	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	-12.20	-0.006559	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	0.50	0.000269	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	-11.60	-0.006237	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	4.80	0.002581	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-14.20	-0.007553	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	2.40	0.001277	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-4.60	-0.002447	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-12.10	-0.006436	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	3.80	0.002021	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	0.70	0.000372	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-10.30	-0.005479	±2.5	PASS

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Band2	20MHz	QPSK	19100	100RB#0	NV	-30	0.30	0.000158	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	5.40	0.002842	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-13.50	-0.007105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	2.30	0.001211	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	2.60	0.001368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	5.10	0.002684	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	4.50	0.002368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-17.00	-0.008947	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-15.40	-0.008280	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	5.90	0.003172	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	5.40	0.002903	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	-4.20	-0.002258	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	8.50	0.004570	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	8.90	0.004785	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-7.50	-0.004032	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	8.50	0.004570	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-16.00	-0.008511	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	2.70	0.001436	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-3.90	-0.002074	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-7.10	-0.003777	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-13.50	-0.007181	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-3.10	-0.001649	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-0.40	-0.000213	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	0.70	0.000372	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-9.00	-0.004737	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	3.20	0.001684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-5.20	-0.002737	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-16.90	-0.008895	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-12.90	-0.006789	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	8.30	0.004368	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-2.10	-0.001105	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	3.50	0.001842	±2.5	PASS

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