

# 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	23.48	24.48	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.53	24.53	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.47	24.47	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.55	24.55	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.58	24.58	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.62	24.62	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.59	23.59	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.49	24.49	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.32	24.32	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.35	24.35	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.56	24.56	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.53	24.53	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.42	24.42	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.41	23.41	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.44	24.44	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.30	24.3	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.16	24.16	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.29	24.29	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.49	24.49	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.28	24.28	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.29	23.29	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.20	23.2	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.44	23.44	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.23	23.23	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.77	23.77	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.72	23.72	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.89	23.89	33.00	PASS

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Band2	1.4MHz	16QAM	18607	6RB#0	21.42	22.42	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.10	23.1	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.10	23.1	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.06	23.06	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	22.60	23.6	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.51	23.51	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.53	23.53	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.52	22.52	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.87	22.87	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.46	23.46	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.94	22.94	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.54	23.54	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.59	23.59	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	22.51	23.51	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.43	22.43	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.11	23.11	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	21.95	22.95	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.03	23.03	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.25	22.25	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.31	22.31	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.20	22.2	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.29	22.29	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.02	23.02	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.11	23.11	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.02	23.02	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.24	22.24	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.22	22.22	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.09	22.09	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.19	22.19	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.14	23.14	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	21.89	22.89	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.06	23.06	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.24	22.24	33.00	PASS

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Band2	3MHz	QPSK	19185	8RB#4	21.14	22.14	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.27	22.27	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.18	22.18	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	20.99	21.99	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	20.84	21.84	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	20.93	21.93	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.04	21.04	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.00	21	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.16	21.16	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.33	21.33	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	20.80	21.8	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	20.90	21.9	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	20.76	21.76	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	19.93	20.93	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	19.92	20.92	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	19.89	20.89	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.13	21.13	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	20.48	21.48	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	20.82	21.82	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	20.68	21.68	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.01	21.01	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	20.02	21.02	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.00	21	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.24	21.24	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.48	24.48	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.39	24.39	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.49	24.49	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.48	23.48	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.50	23.5	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.40	23.4	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.50	23.5	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.20	24.2	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.16	24.16	33.00	PASS

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Band2	5MHz	QPSK	18900	1RB#12	23.35	24.35	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.20	23.2	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.37	23.37	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.19	23.19	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.18	23.18	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.25	24.25	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.96	23.96	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.85	23.85	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.03	23.03	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.24	23.24	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.22	23.22	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.24	23.24	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.01	23.01	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.08	23.08	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.50	23.5	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.55	22.55	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.37	22.37	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.59	22.59	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.53	22.53	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.89	22.89	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.92	22.92	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.42	23.42	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.14	22.14	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.31	22.31	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.26	22.26	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.35	22.35	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.07	23.07	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.81	22.81	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.67	22.67	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.05	22.05	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.22	22.22	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.23	22.23	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.29	22.29	33.00	PASS

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Band2	10MHz	QPSK	18650	1RB#49	22.94	23.94	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.31	24.31	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.84	24.84	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.32	23.32	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.58	23.58	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.49	23.49	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.35	23.35	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	24.04	25.04	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.98	23.98	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.04	24.04	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.19	23.19	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.36	23.36	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.57	23.57	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.28	23.28	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.77	23.77	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.74	24.74	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.95	23.95	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.45	23.45	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.29	23.29	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.05	23.05	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.02	23.02	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.95	22.95	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.94	22.94	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.93	22.93	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.37	22.37	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.55	22.55	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.41	22.41	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.51	22.51	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.73	22.73	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.84	22.84	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.86	22.86	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.32	22.32	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.29	22.29	33.00	PASS

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Band2	10MHz	16QAM	18900	25RB#25	21.33	22.33	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.32	22.32	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.80	22.8	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.79	22.79	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.01	23.01	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.09	22.09	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.21	22.21	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.24	22.24	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.18	22.18	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.81	24.81	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.99	23.99	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.42	24.42	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	22.52	23.52	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.73	23.73	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.28	23.28	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.46	23.46	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.68	23.68	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.12	24.12	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.80	24.8	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	22.09	23.09	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	22.57	23.57	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.63	23.63	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.23	23.23	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.91	23.91	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.90	24.9	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.45	23.45	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	22.37	23.37	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	22.10	23.1	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	22.55	23.55	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.17	23.17	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.98	22.98	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.04	23.04	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.95	22.95	33.00	PASS

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Band2	15MHz	16QAM	18675	36RB#18	21.57	22.57	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	21.43	22.43	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	21.40	22.4	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.43	22.43	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.22	23.22	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.36	23.36	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.88	22.88	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	21.33	22.33	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	21.22	22.22	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	21.28	22.28	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.27	22.27	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.80	22.8	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.89	22.89	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.64	22.64	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	21.25	22.25	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	21.15	22.15	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	21.23	22.23	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.13	22.13	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.73	23.73	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.43	24.43	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	24.12	25.12	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.70	23.7	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.41	23.41	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.66	23.66	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.56	23.56	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	24.09	25.09	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.70	23.7	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.11	24.11	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.15	23.15	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.65	23.65	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.76	23.76	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.34	23.34	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.98	23.98	33.00	PASS

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Band2	20MHz	QPSK	19100	1RB#99	22.68	23.68	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.91	24.91	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.46	23.46	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.09	23.09	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.49	23.49	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.18	23.18	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.54	23.54	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.20	23.2	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.31	23.31	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.58	22.58	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.56	22.56	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.45	22.45	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.50	22.5	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.32	23.32	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.03	23.03	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.43	23.43	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.49	22.49	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.51	22.51	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.37	22.37	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.38	22.38	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.35	23.35	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.34	23.34	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.13	23.13	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.15	22.15	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.25	22.25	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.45	22.45	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.22	22.22	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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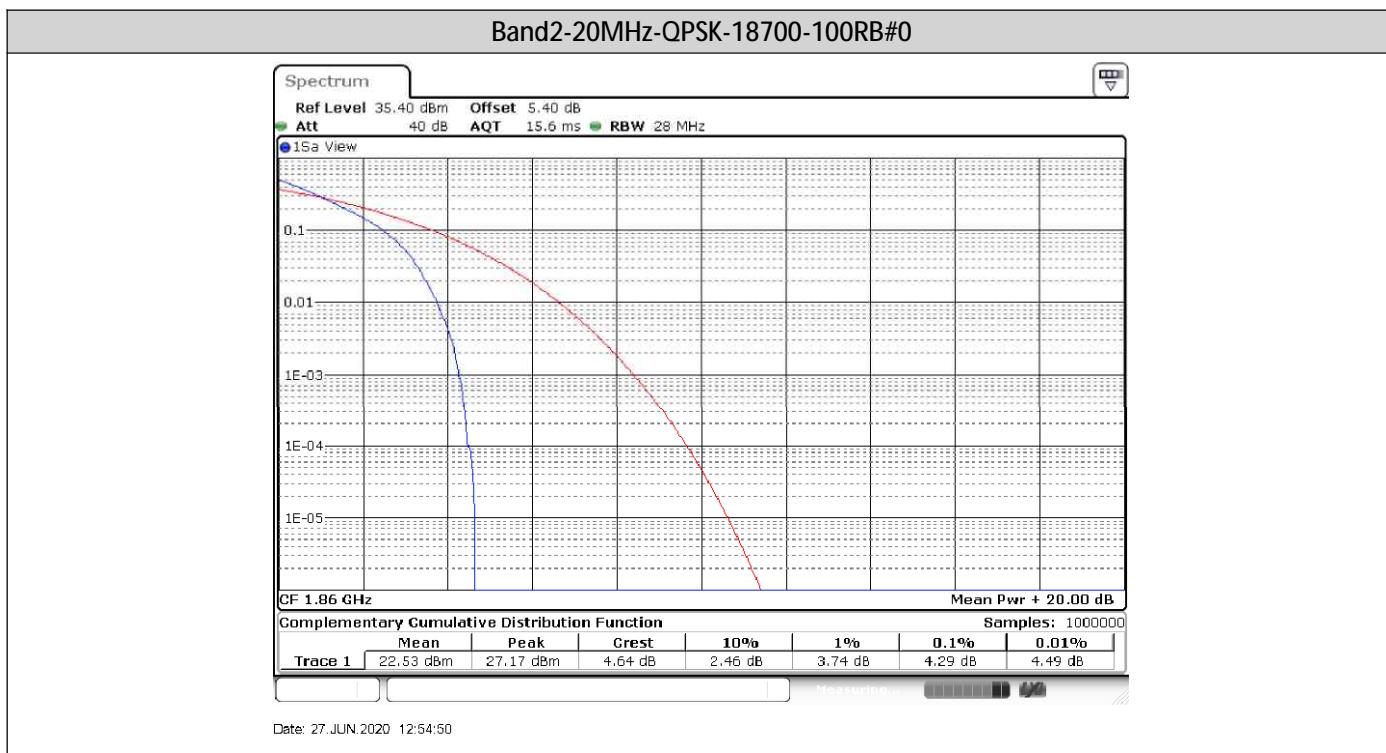
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## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	4.29	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.09	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.17	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.04	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	4.99	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.04	13	PASS

### 2.2. Test Plots



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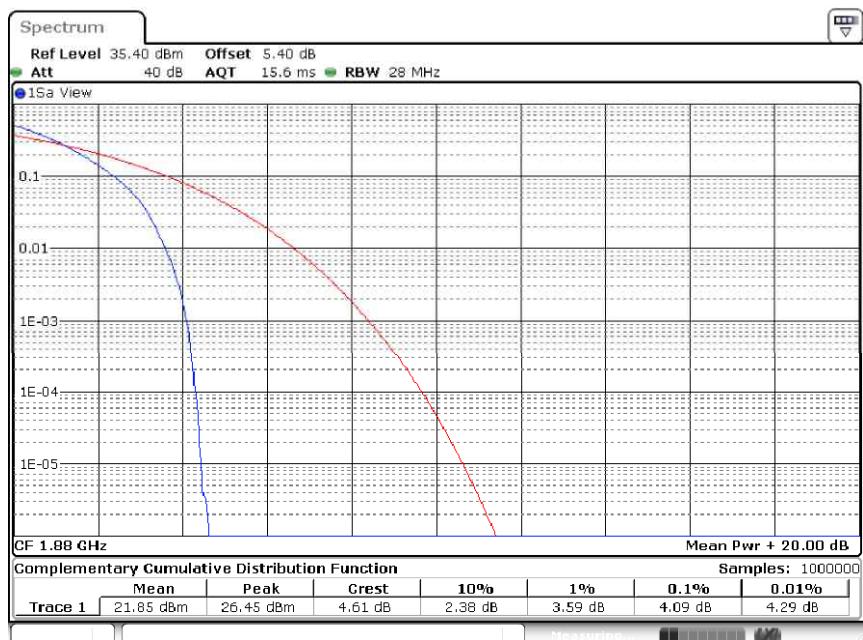
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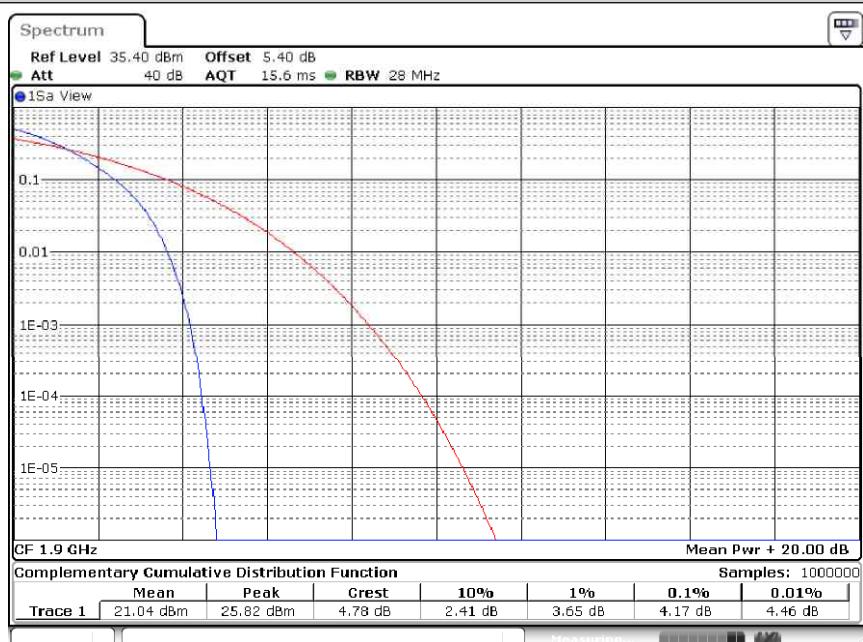
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## Band2-20MHz-QPSK-18900-100RB#0



Date: 27.JUN.2020 12:55:13

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



Date: 27.JUN.2020 12:55:35

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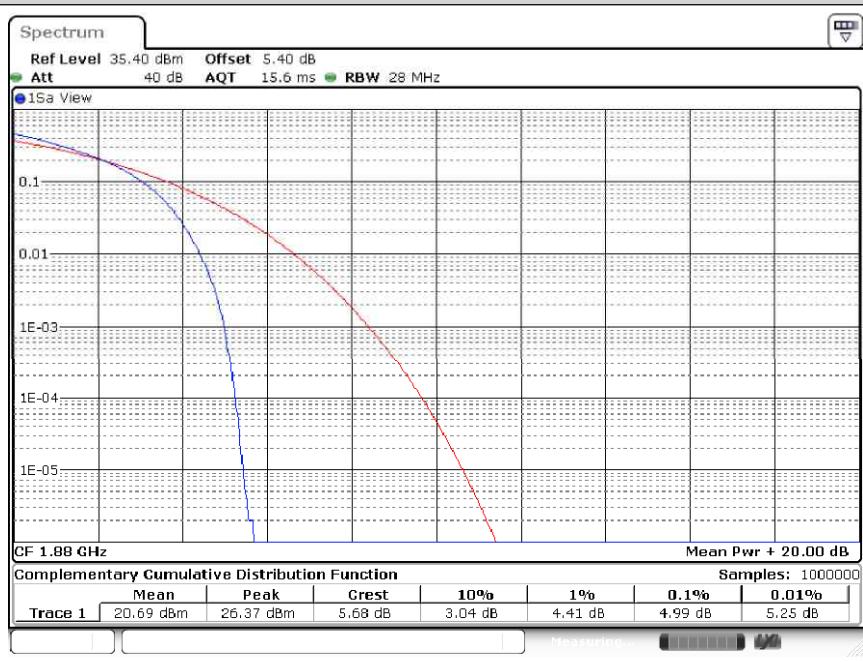
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## Band2-20MHz-16QAM-18700-100RB#0



Date: 27.JUN.2020 12:55:01

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



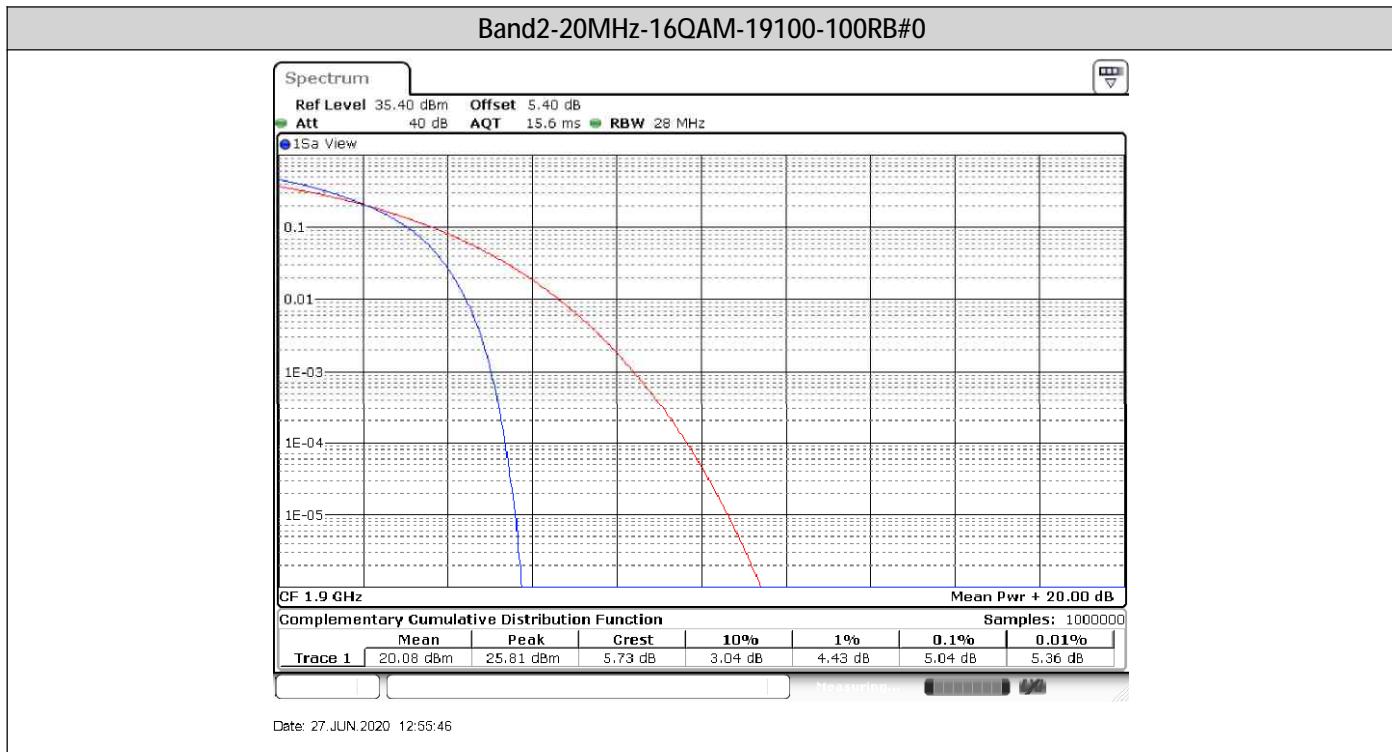
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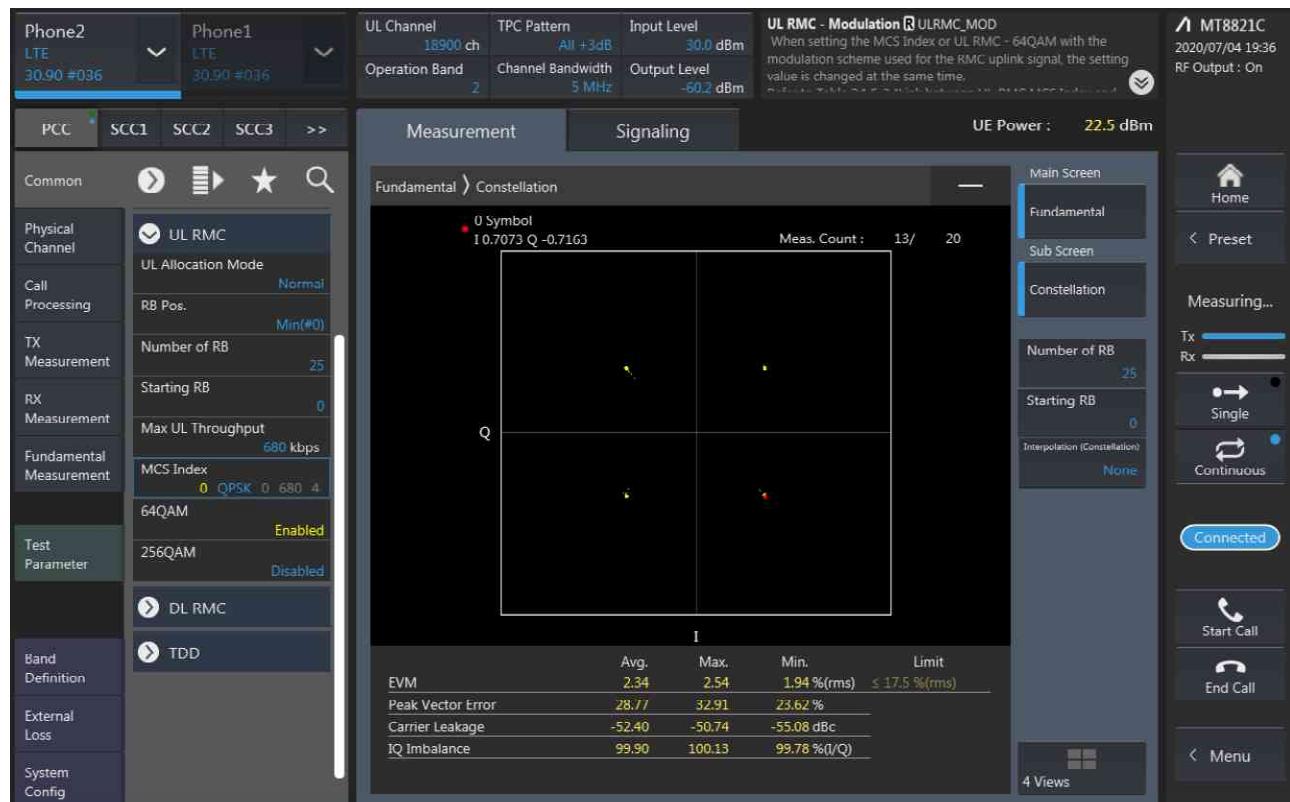
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### 3. Modulation Characteristics

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

##### 3.1.1. Test Channel = MCH



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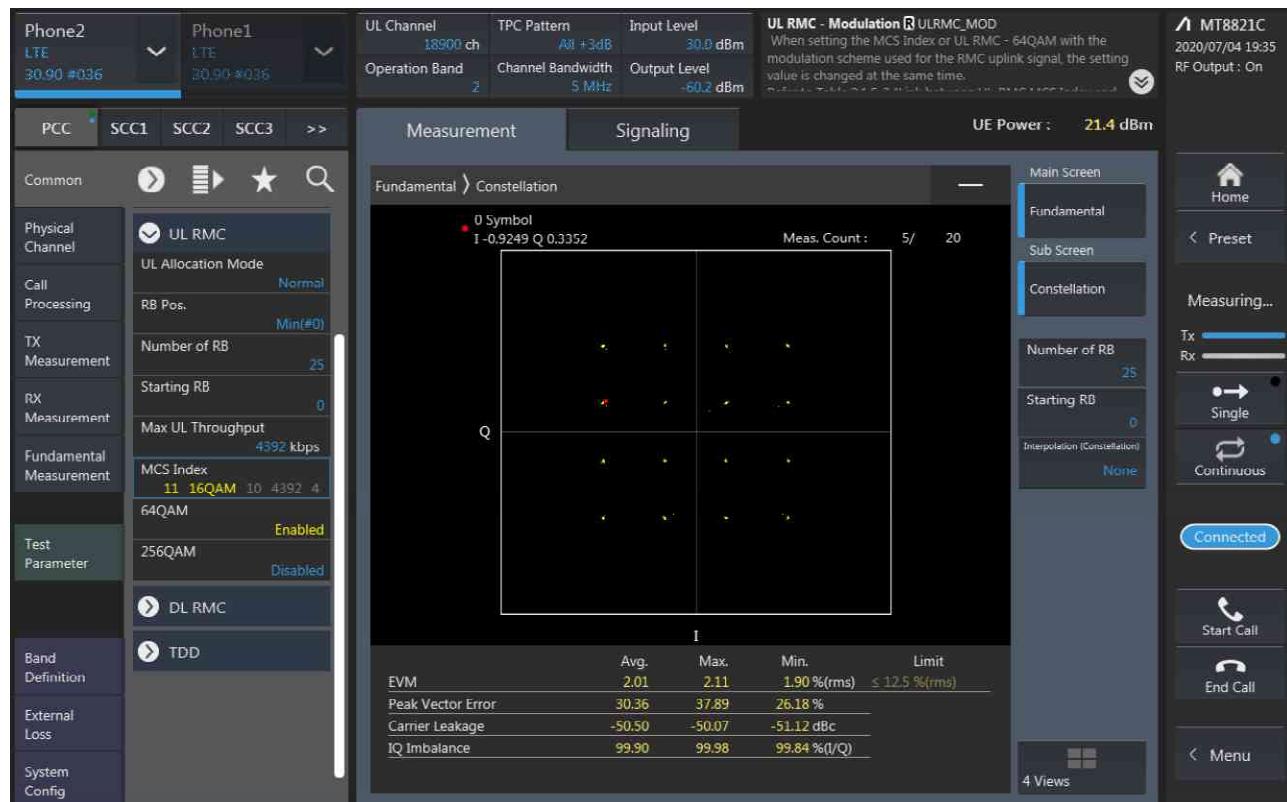


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## 3.2. Test Mode = LTE /TM2 20MHz

### 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	1.094	1.305	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.094	1.311	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.094	1.308	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	1.323	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.091	1.299	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.091	1.290	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.703	3.006	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.697	3.006	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.697	3.012	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.685	2.964	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.685	2.970	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.685	2.976	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.466	4.920	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.476	4.930	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.476	4.930	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.496	4.980	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.980	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.486	4.980	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.891	9.820	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.911	9.800	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.911	9.820	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.911	9.760	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.911	9.720	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.931	9.780	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.427	14.790	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.367	14.760	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.397	14.790	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.427	14.820	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.397	14.790	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.397	14.700	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.862	19.480	PASS

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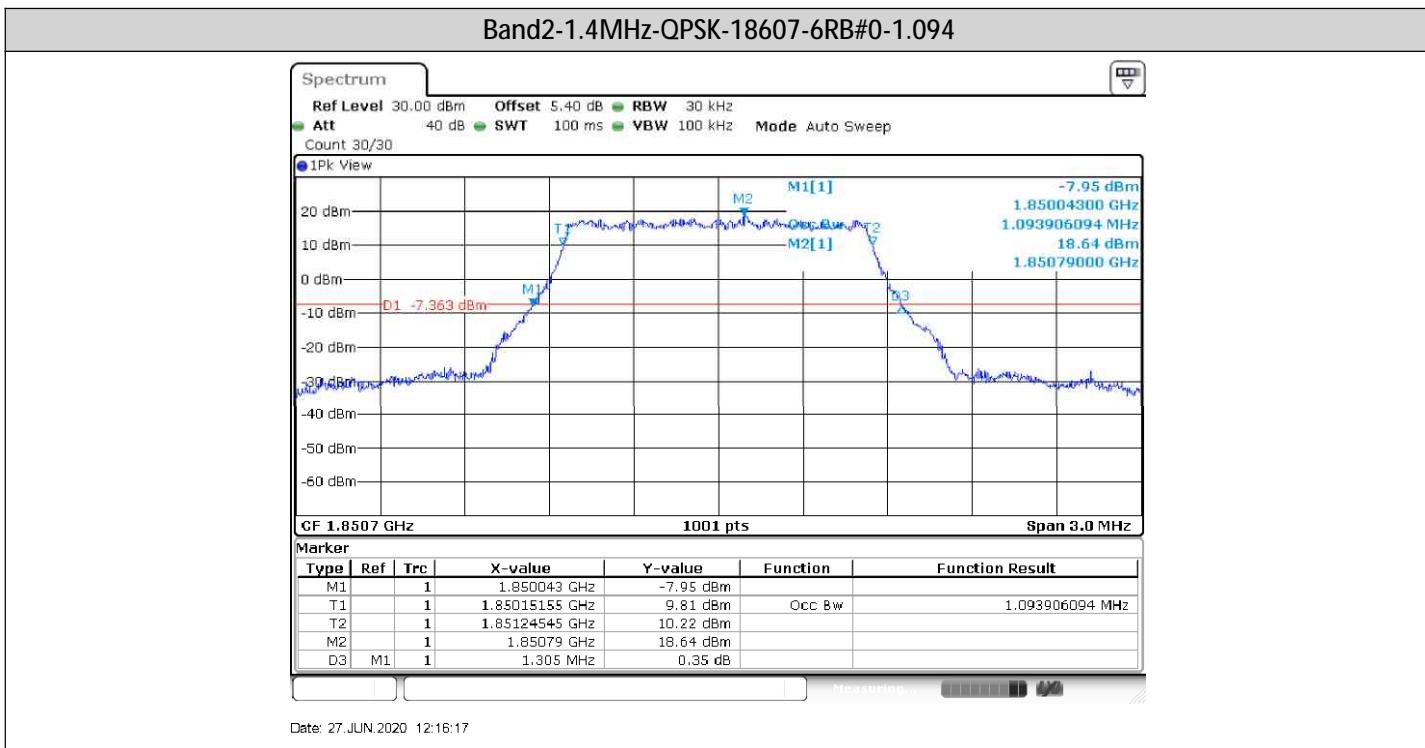
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Band2	20MHz	QPSK	18900	100RB#0	17.822	19.360	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.782	19.320	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.822	19.360	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.782	19.320	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.822	19.360	PASS

## 4.2. Test Plots



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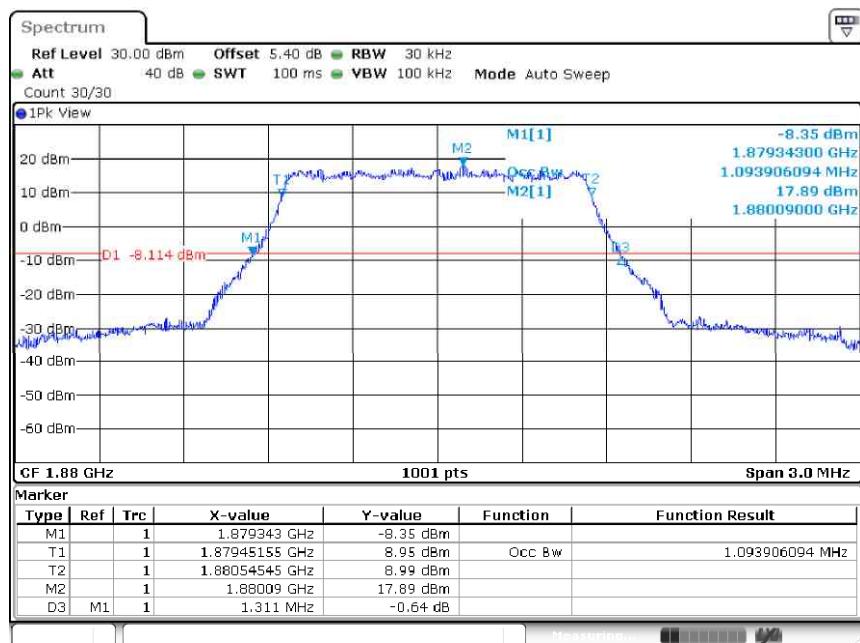
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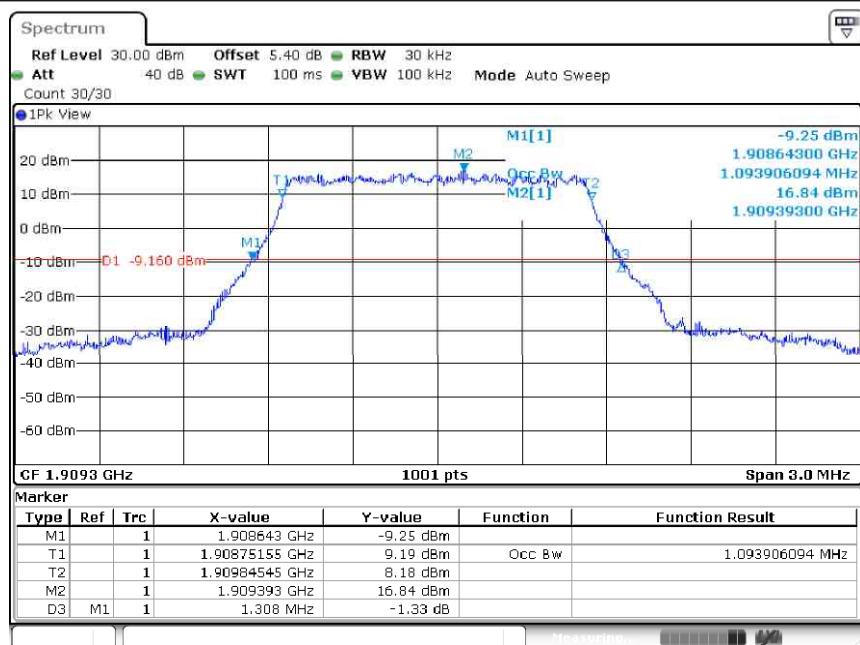
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## Band2-1.4MHz-QPSK-18900-6RB#0-1.094



Date: 27.JUN.2020 12:16:43

## Band2-1.4MHz-QPSK-19193-6RB#0-1.094



Date: 27.JUN.2020 12:17:08

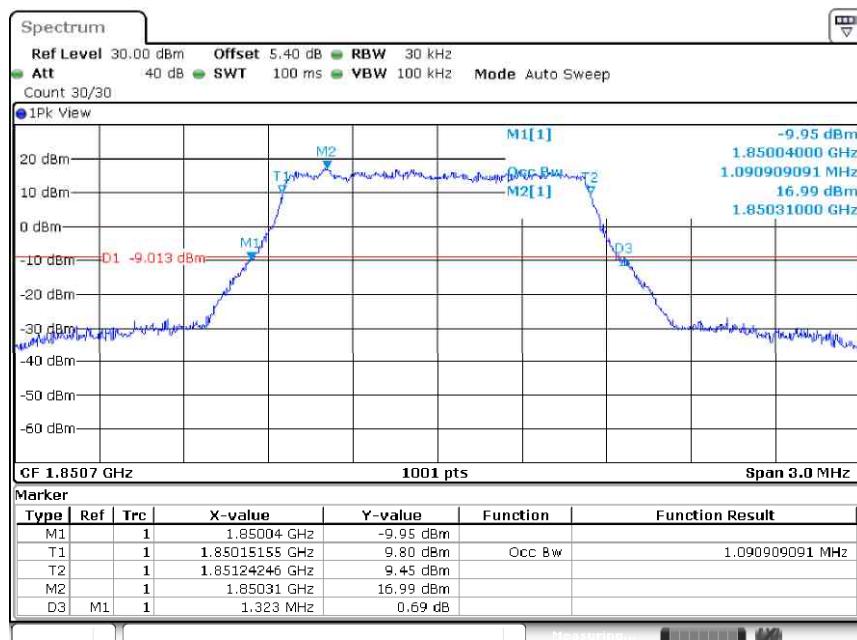
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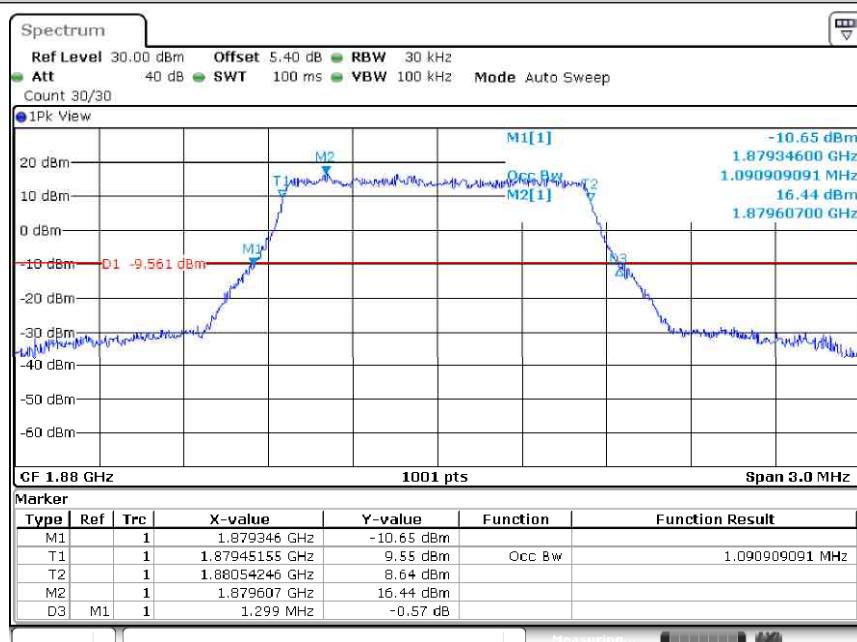


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## Band2-1.4MHz-16QAM-18607-6RB#0-1.091



## Band2-1.4MHz-16QAM-18900-6RB#0-1.091

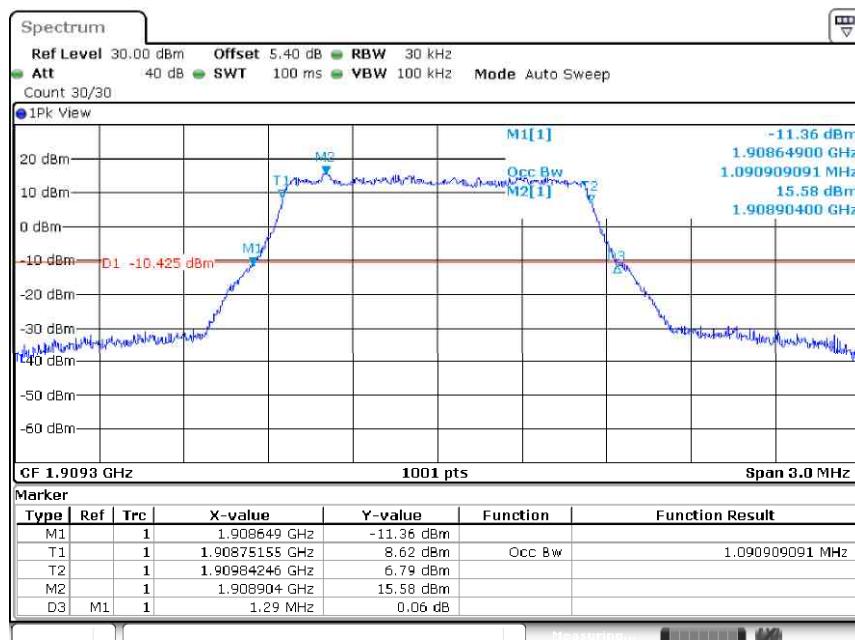


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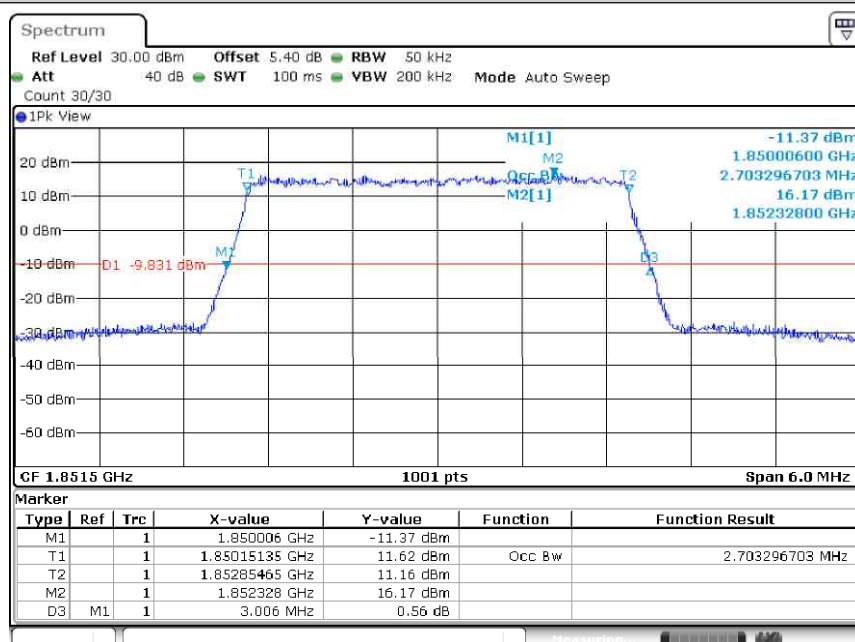


## Band2-1.4MHz-16QAM-19193-6RB#0-1.091



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## Band2-3MHz-QPSK-18615-15RB#0-2.703



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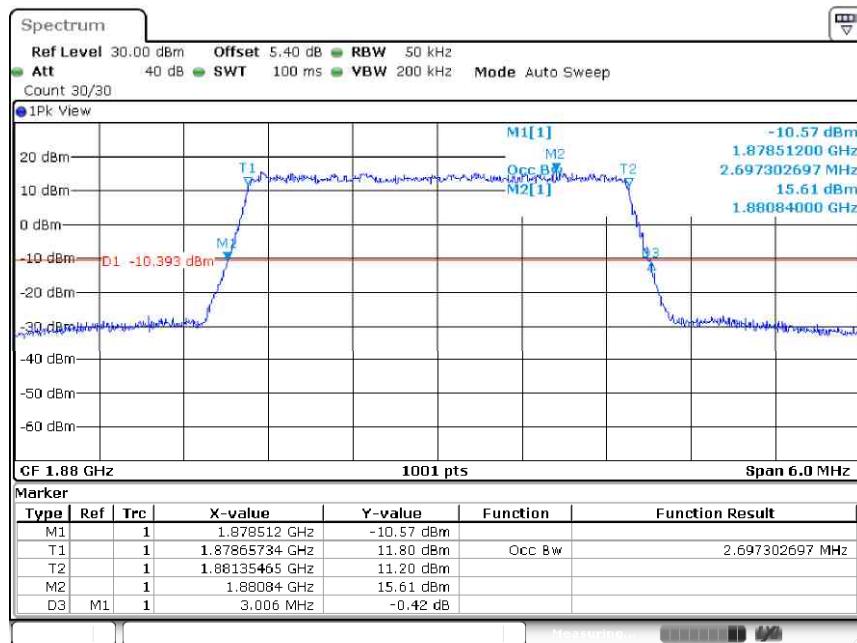
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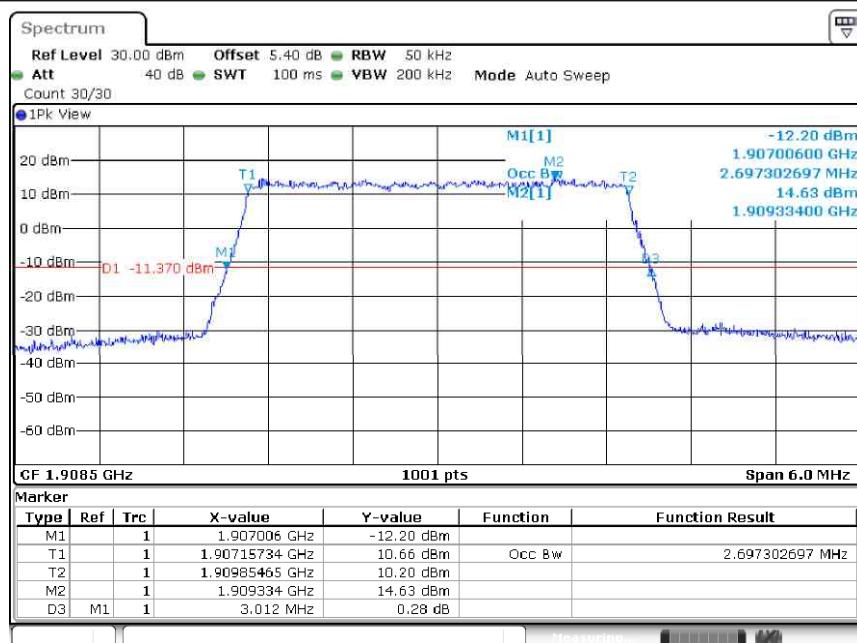
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Band2-3MHz-QPSK-18900-15RB#0-2.697



Date: 27.JUN.2020 12:18:04

Band2-3MHz-QPSK-19185-15RB#0-2.697



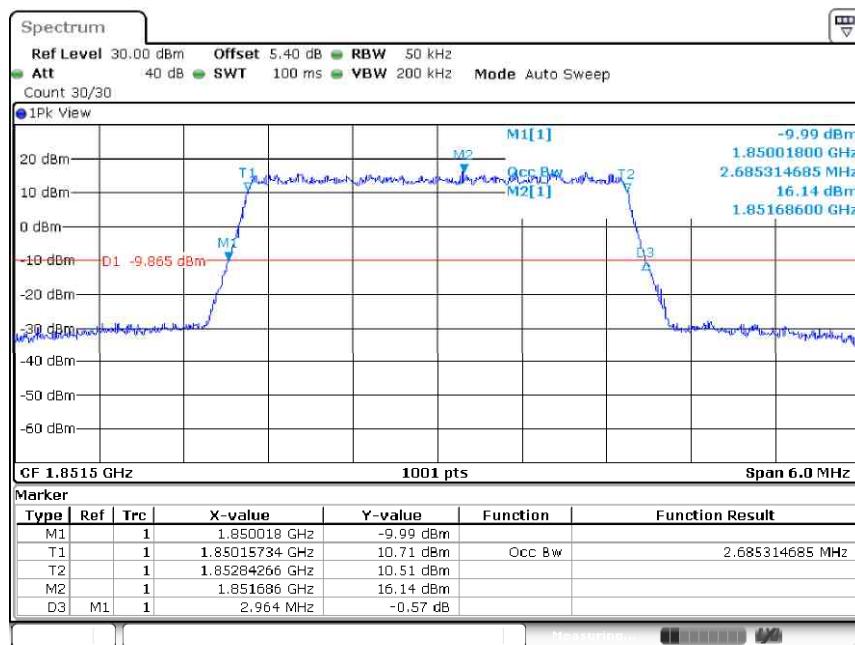
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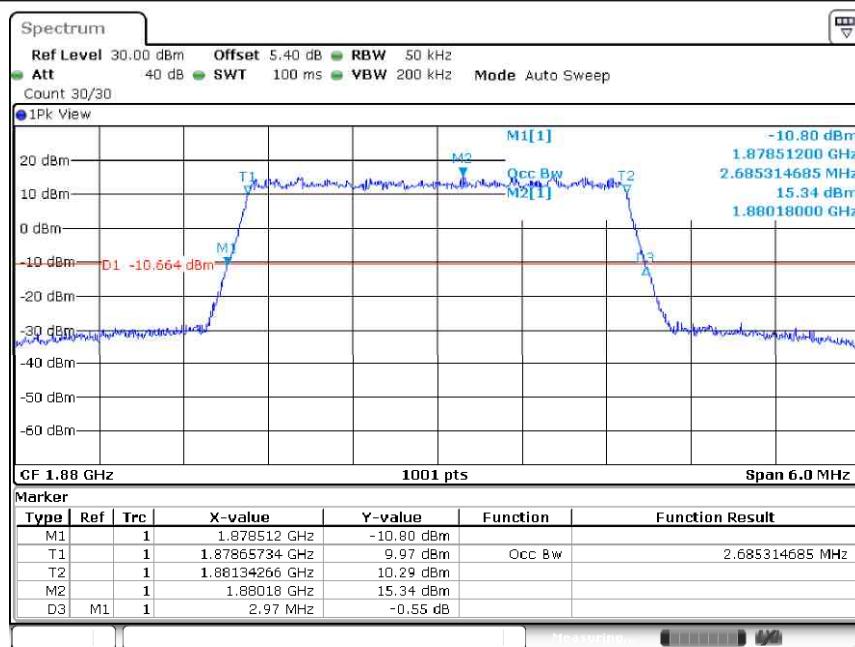


## Band2-3MHz-16QAM-18615-15RB#0-2.685



Date: 27.JUN.2020 12:17:51

## Band2-3MHz-16QAM-18900-15RB#0-2.685



Date: 27.JUN.2020 12:18:17

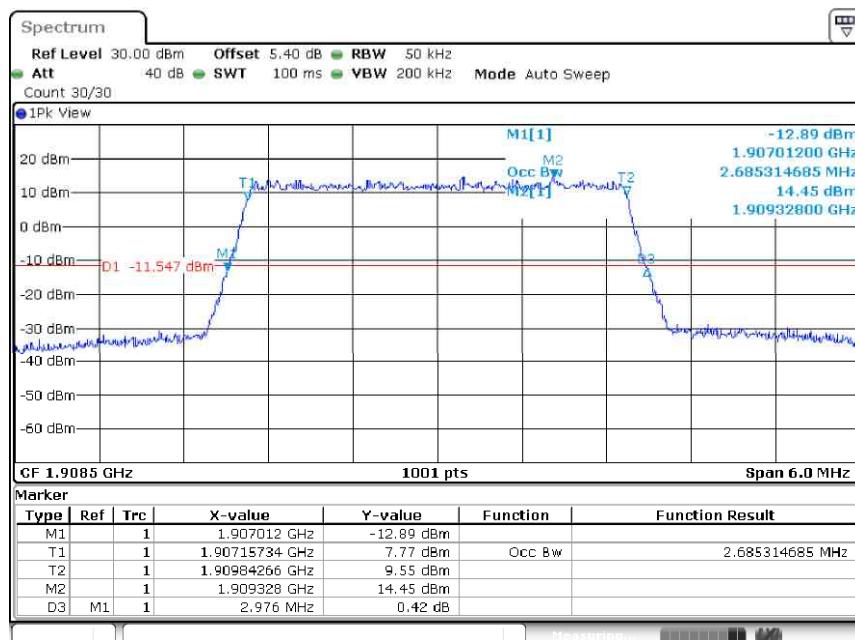
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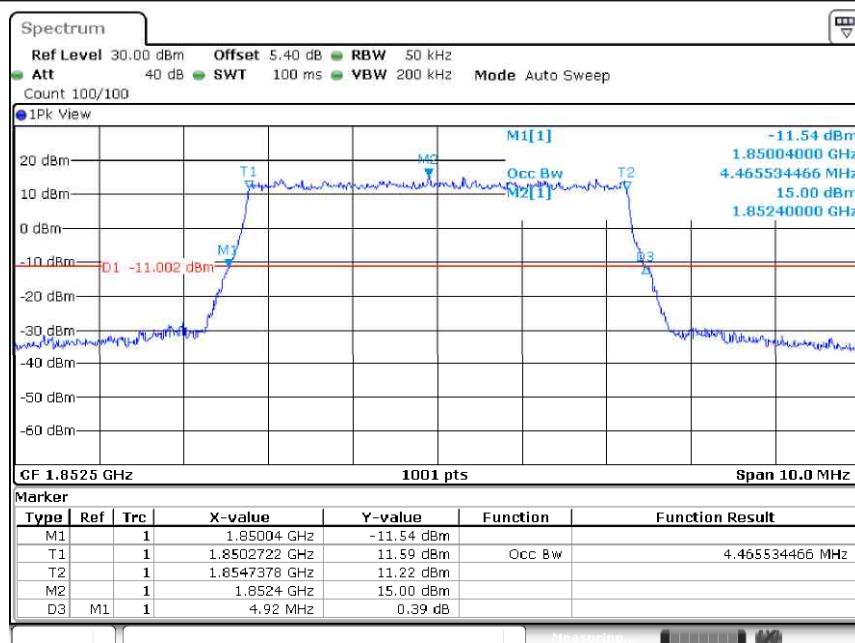
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## Band2-3MHz-16QAM-19185-15RB#0-2.685



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## Band2-5MHz-QPSK-18625-25RB#0-4.466



Date: 27.JUN.2020 12:19:07

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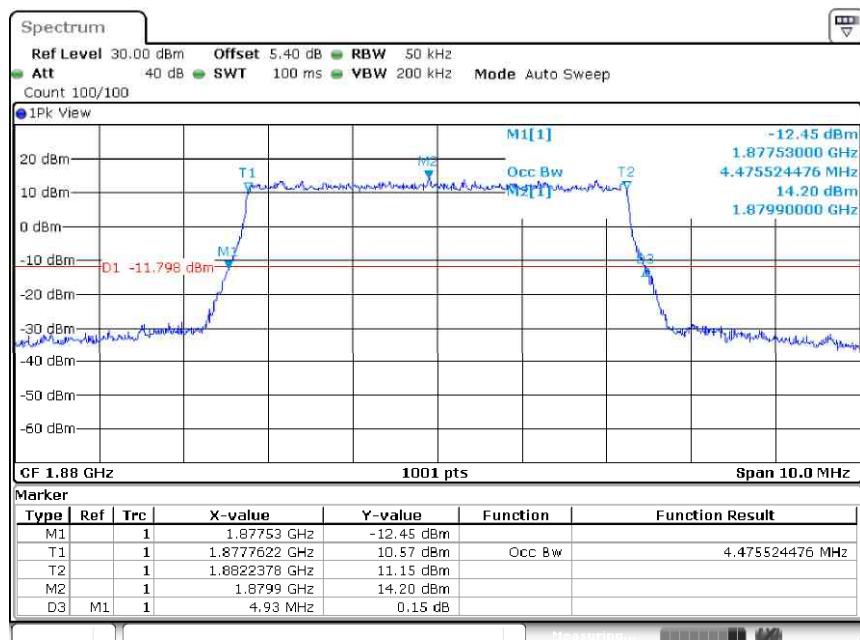
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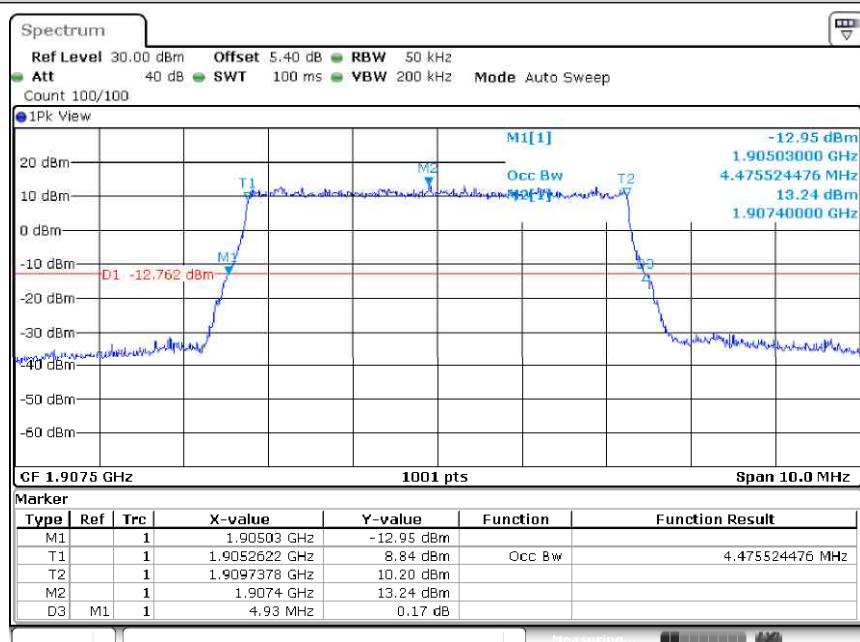
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## Band2-5MHz-QPSK-18900-25RB#0-4.476



Date: 27.JUN.2020 12:19:47

## Band2-5MHz-QPSK-19175-25RB#0-4.476



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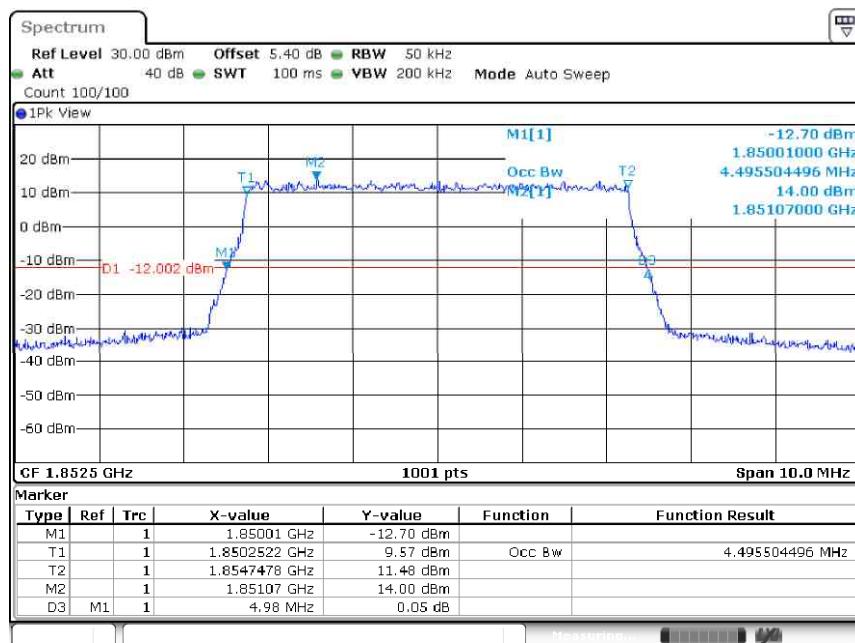
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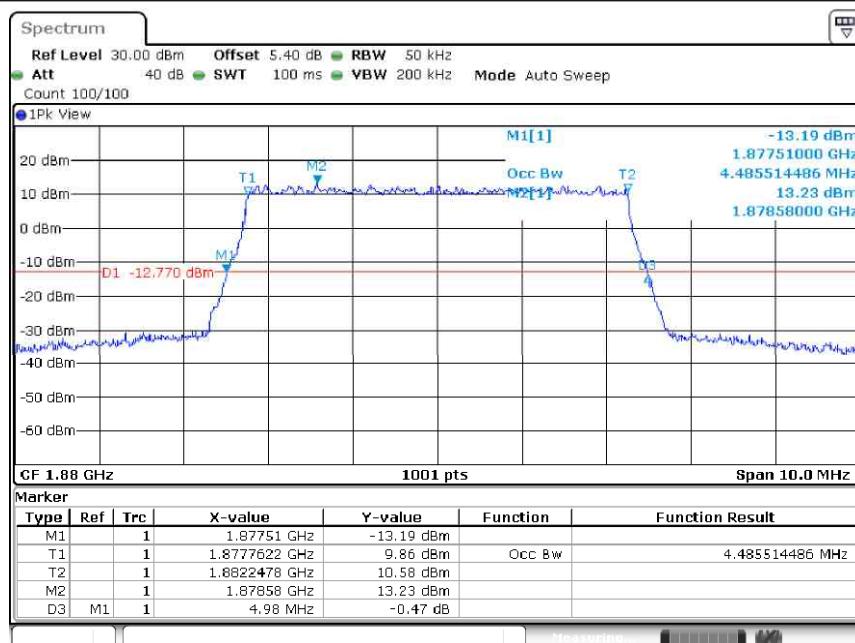
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## Band2-5MHz-16QAM-18625-25RB#0-4.496



Date: 27.JUN.2020 12:19:27

## Band2-5MHz-16QAM-18900-25RB#0-4.486



Date: 27.JUN.2020 12:20:06

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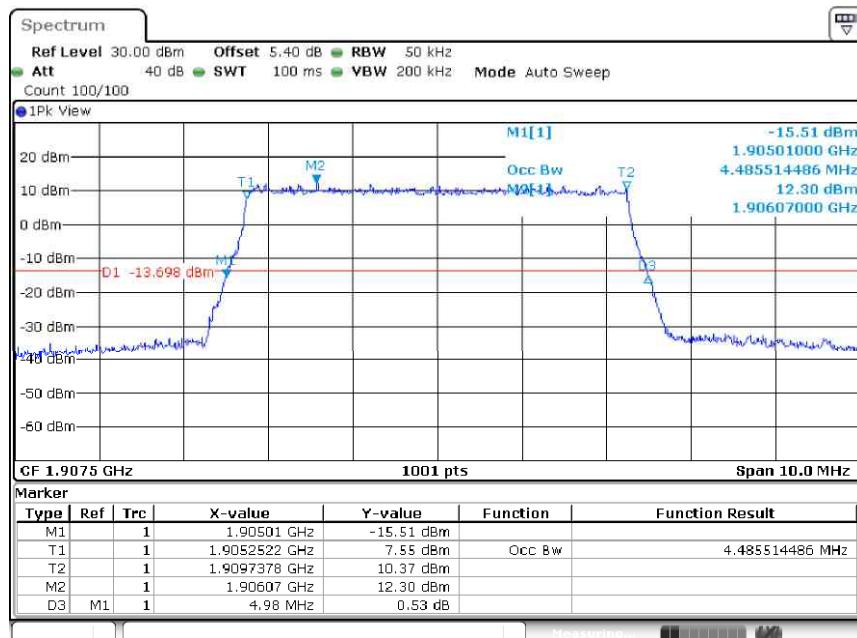
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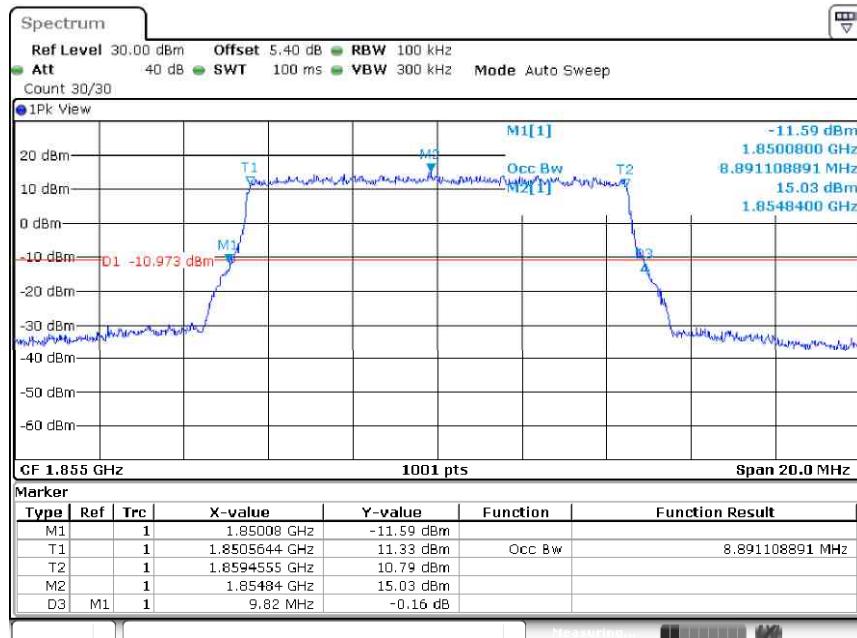
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## Band2-5MHz-16QAM-19175-25RB#0-4.486



Date: 27.JUN.2020 12:20:46

## Band2-10MHz-QPSK-18650-50RB#0-8.891



Date: 27.JUN.2020 12:21:04

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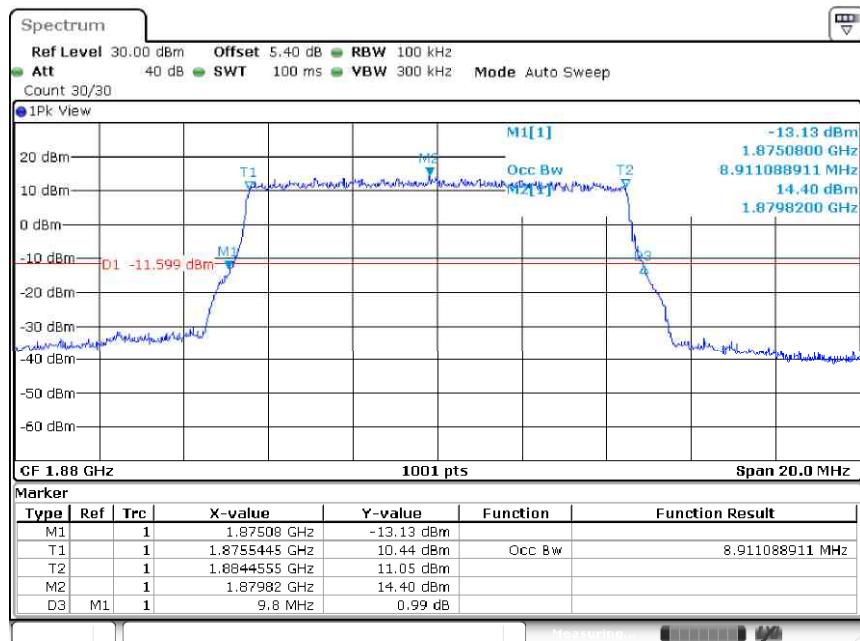


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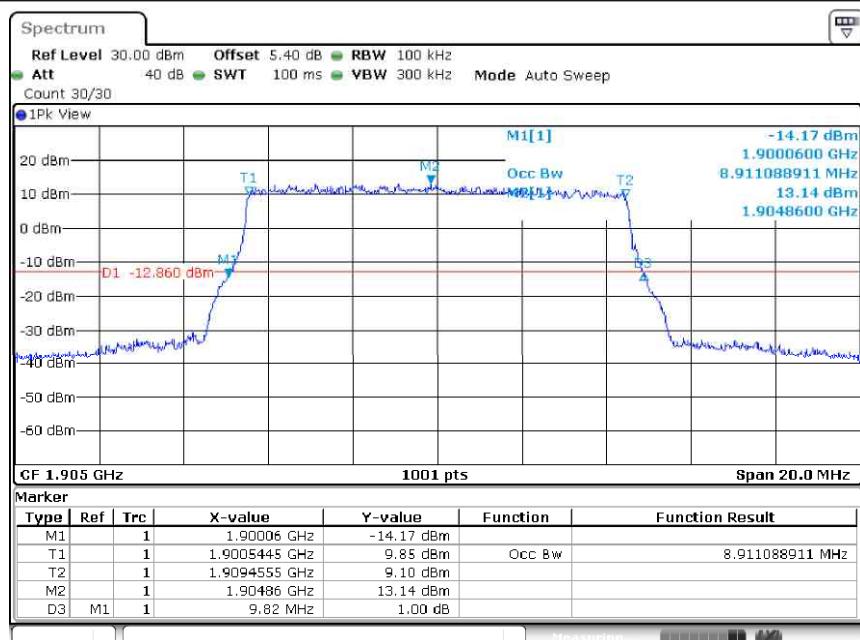
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Band2-10MHz-QPSK-18900-50RB#0-8.911



Date: 27.II.2020 12:21:29

Band2-10MHz-QPSK-19150-50RB#0-8.911



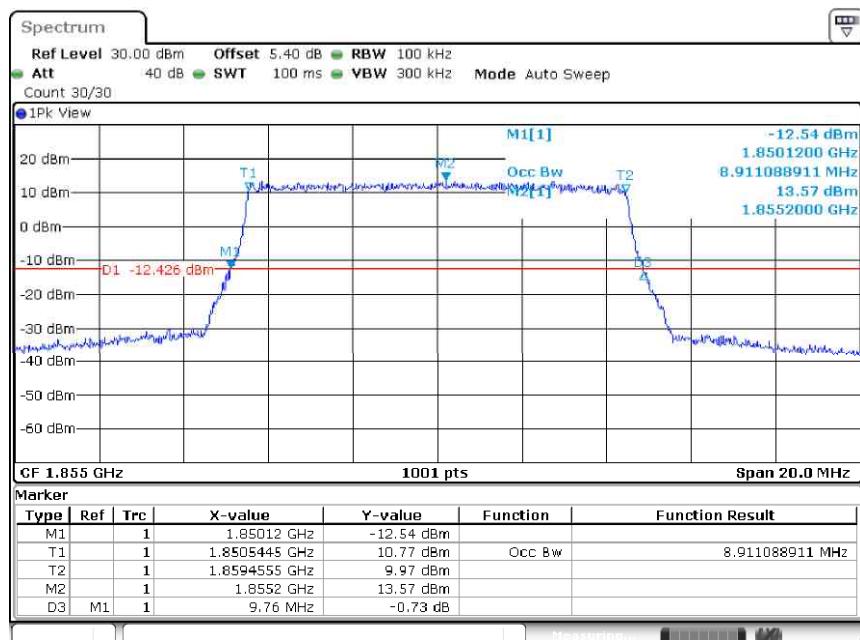
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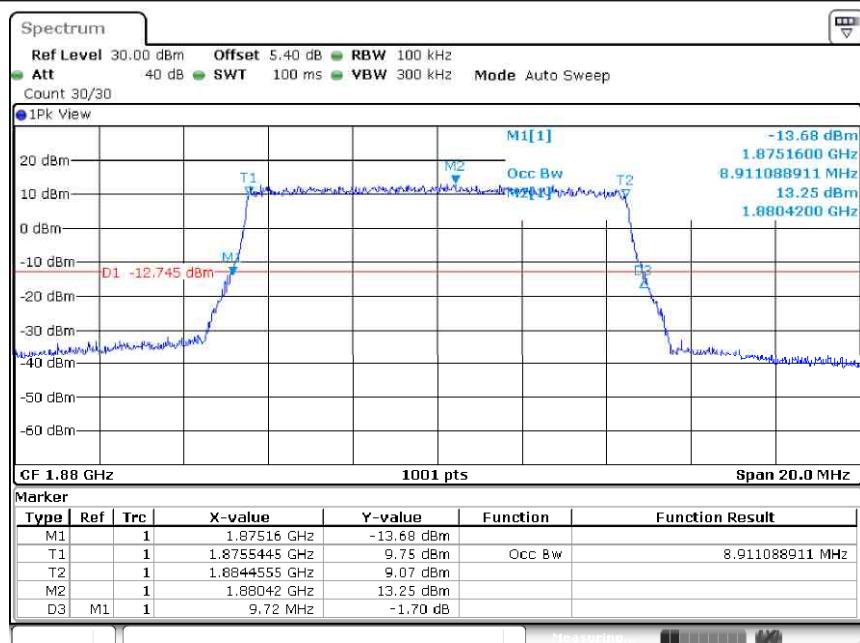


## Band2-10MHz-16QAM-18650-50RB#0-8.911



Date: 27.JUN.2020 12:21:16

## Band2-10MHz-16QAM-18900-50RB#0-8.911



Date: 27.JUN.2020 12:21:42

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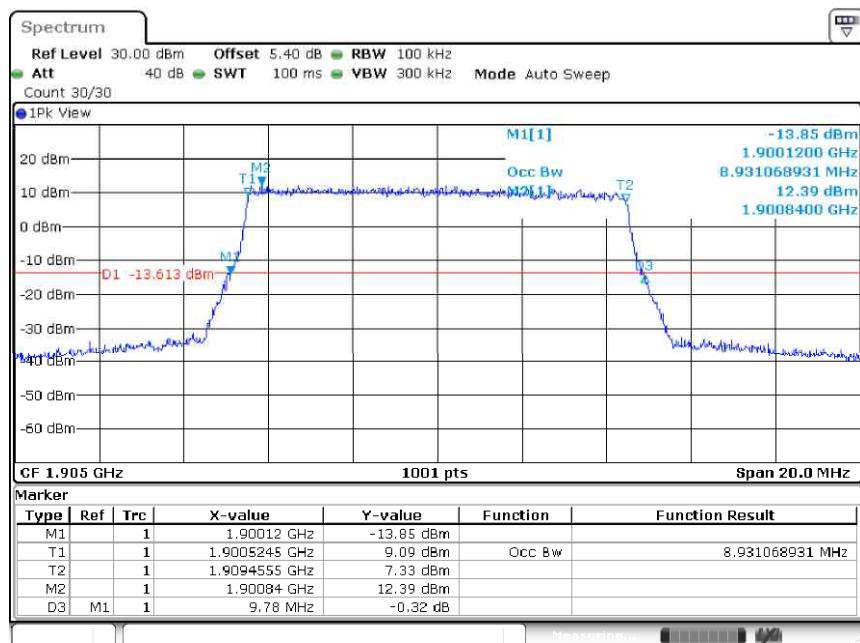
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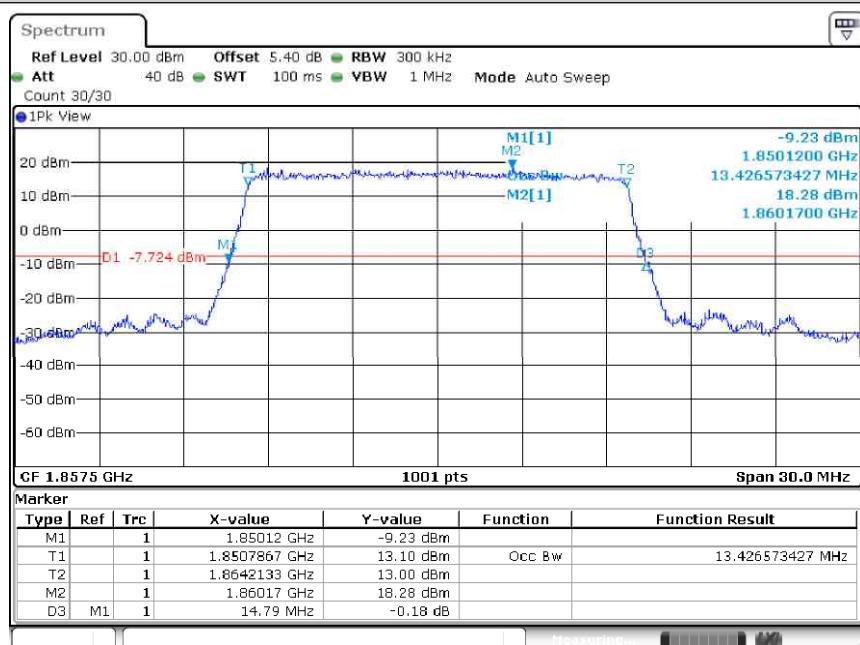
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Band2-10MHz-16QAM-19150-50RB#0-8.931



Date: 27.JUN.2020 12:22:08

Band2-15MHz-QPSK-18675-75RB#0-13.427



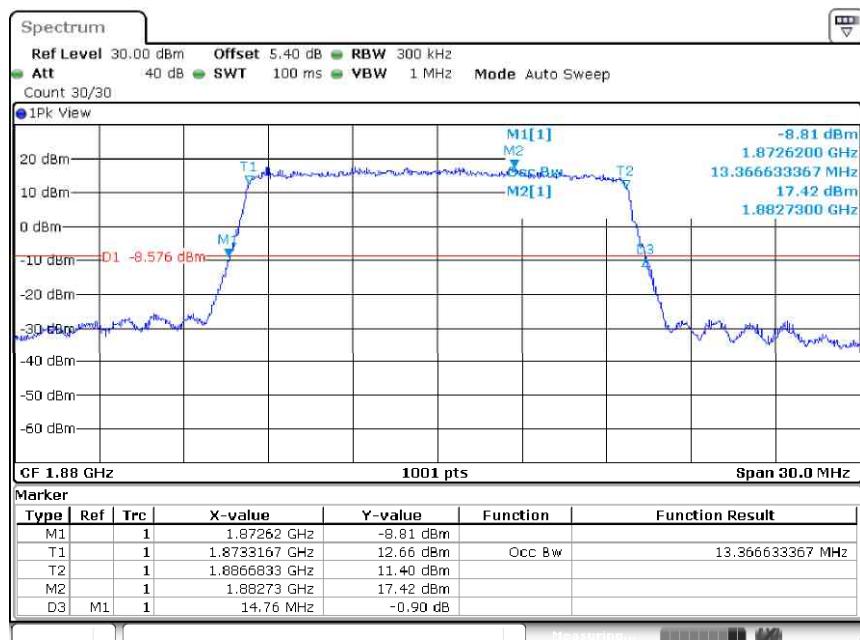
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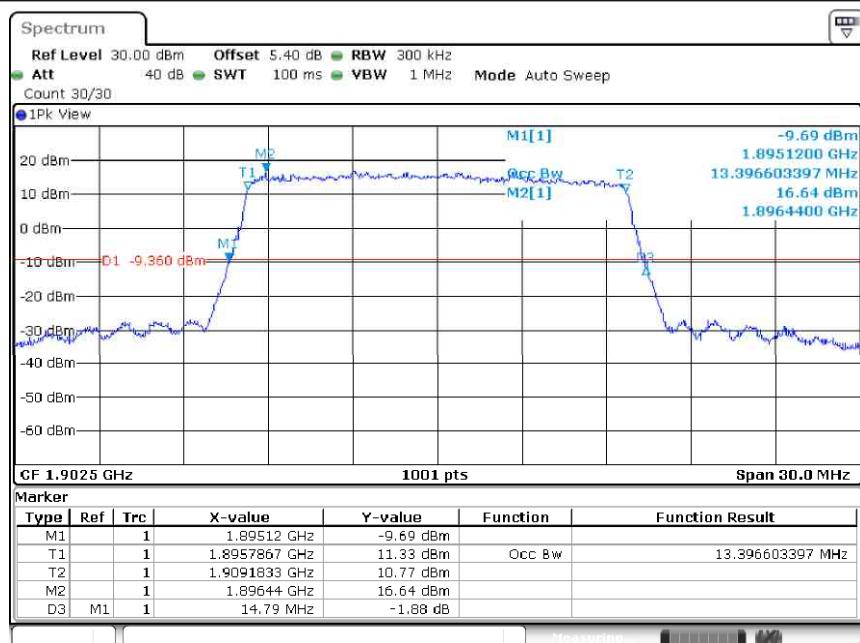


## Band2-15MHz-QPSK-18900-75RB#0-13.367



Date: 27.JUN.2020 12:22:51

## Band2-15MHz-QPSK-19125-75RB#0-13.397



Date: 27.JUN.2020 12:23:17

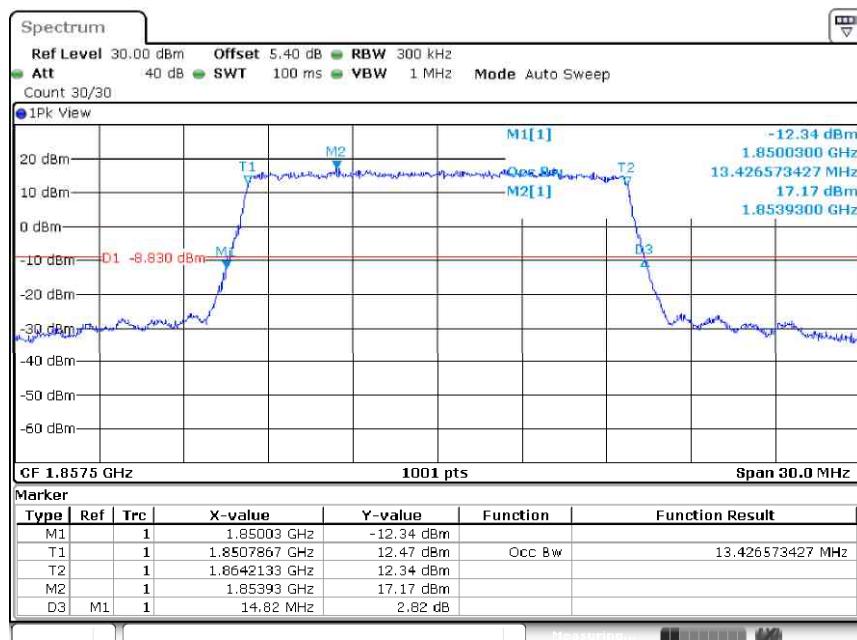
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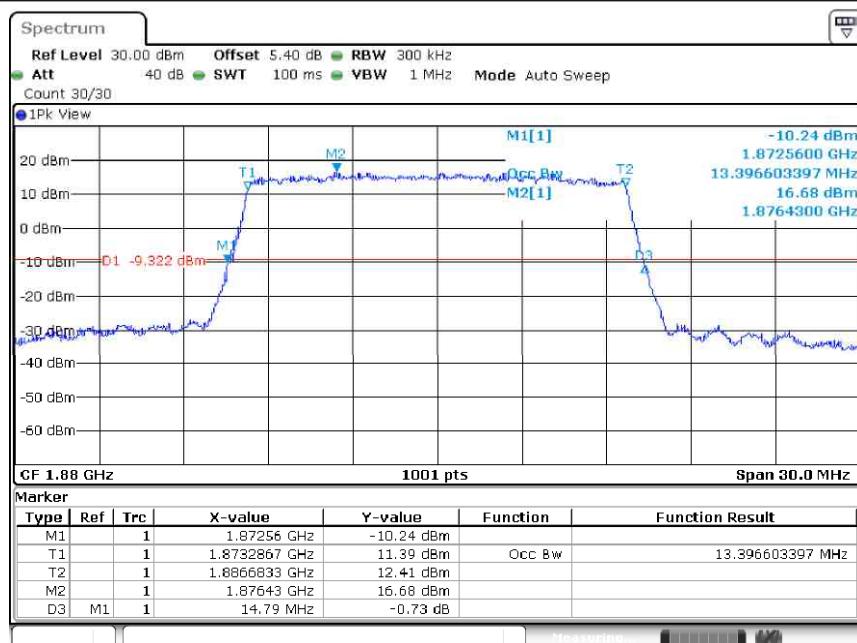
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## Band2-15MHz-16QAM-18675-75RB#0-13.427



Date: 27.JUN.2020 12:22:38

## Band2-15MHz-16QAM-18900-75RB#0-13.397



Date: 27.JUN.2020 12:23:04

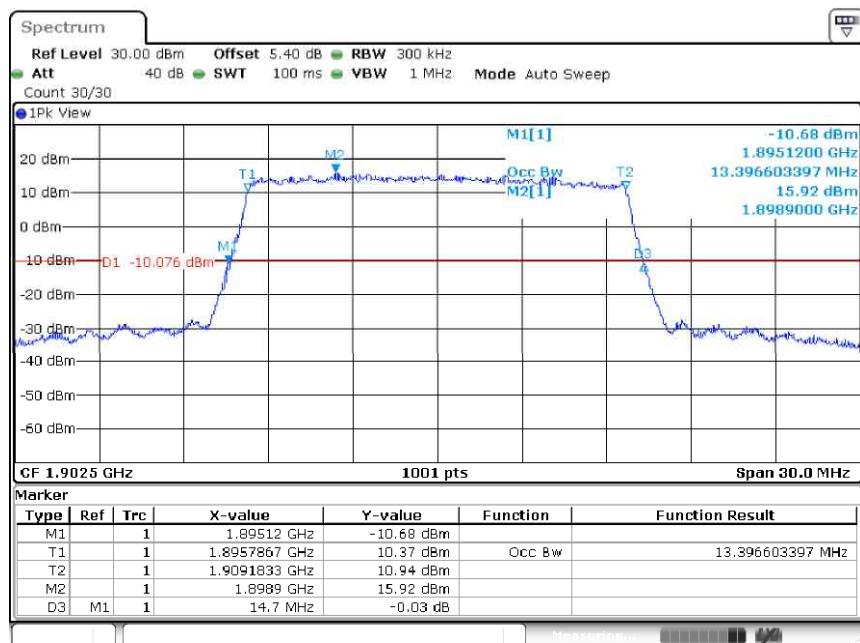
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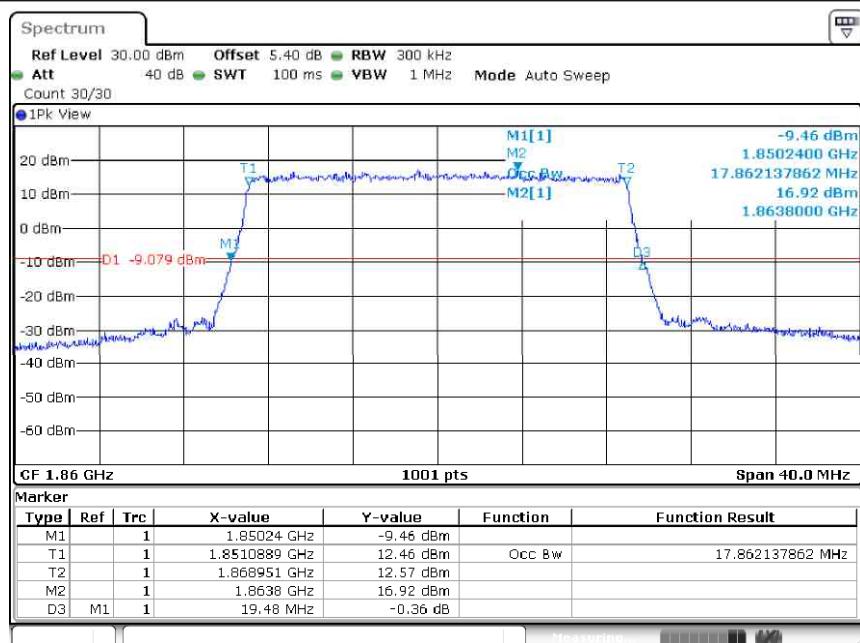
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## Band2-15MHz-16QAM-19125-75RB#0-13.397



Date: 27.JUN.2020 12:23:29

## Band2-20MHz-QPSK-18700-100RB#0-17.862



Date: 27.JUN.2020 12:23:47

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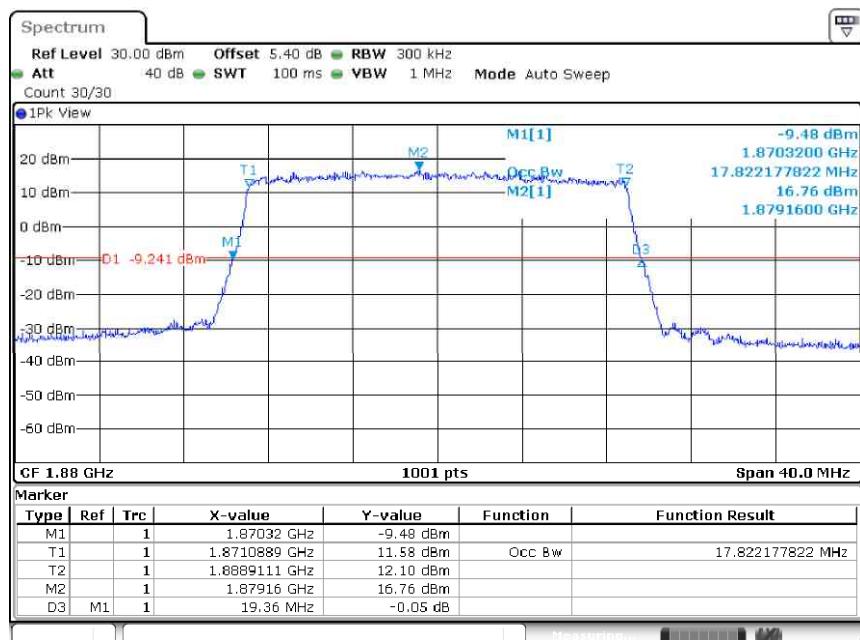


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## Band2-20MHz-QPSK-18900-100RB#0-17.822



Date: 27.JUN.2020 12:24:12

## Band2-20MHz-QPSK-19100-100RB#0-17.782



Date: 27.JUN.2020 12:24:38

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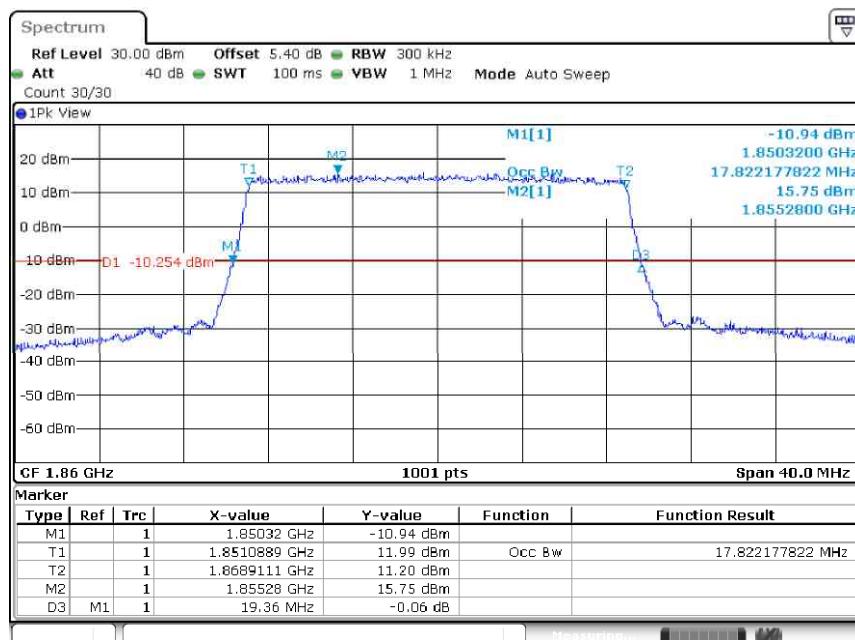
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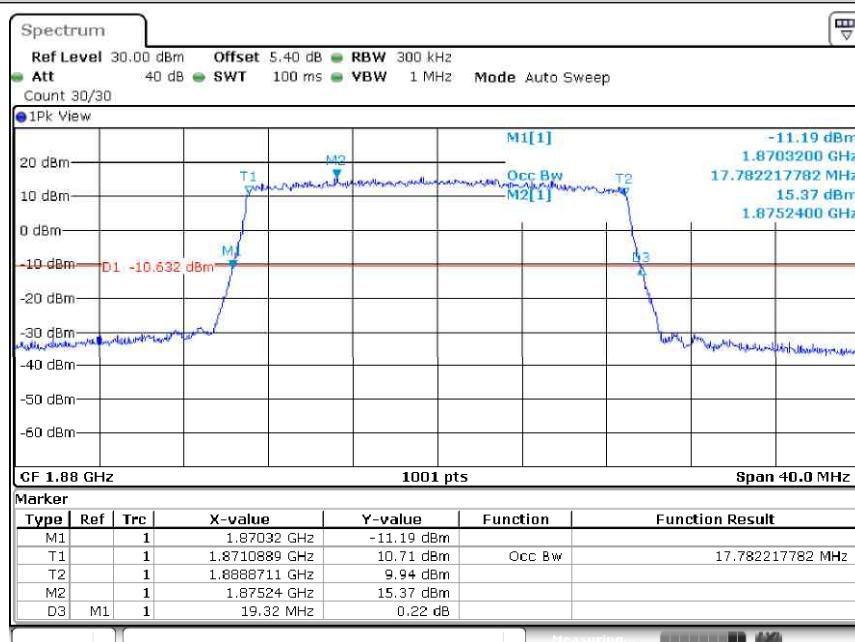


Band2-20MHz-16QAM-18700-100RB#0-17.822



Date: 27.JUN.2020 12:24:00

Band2-20MHz-16QAM-18900-100RB#0-17.782



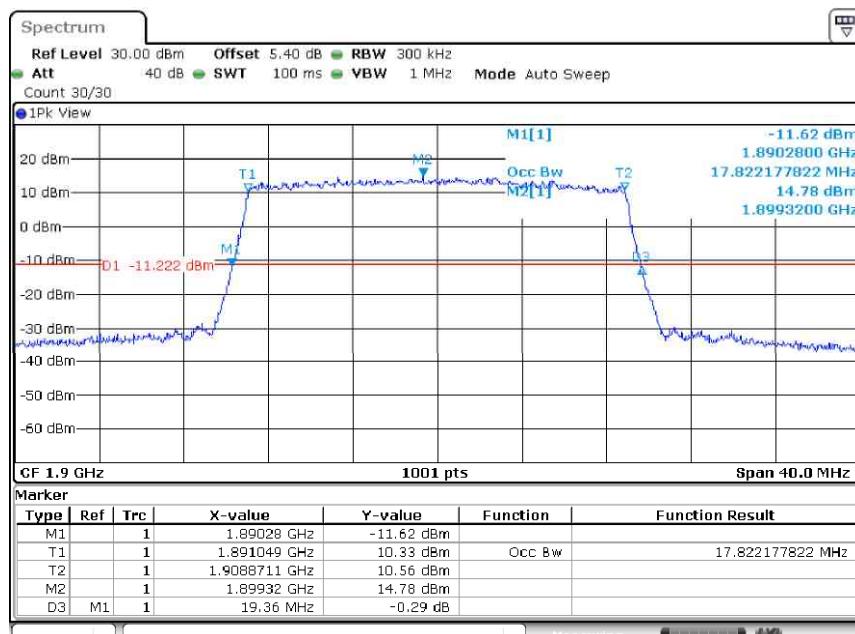
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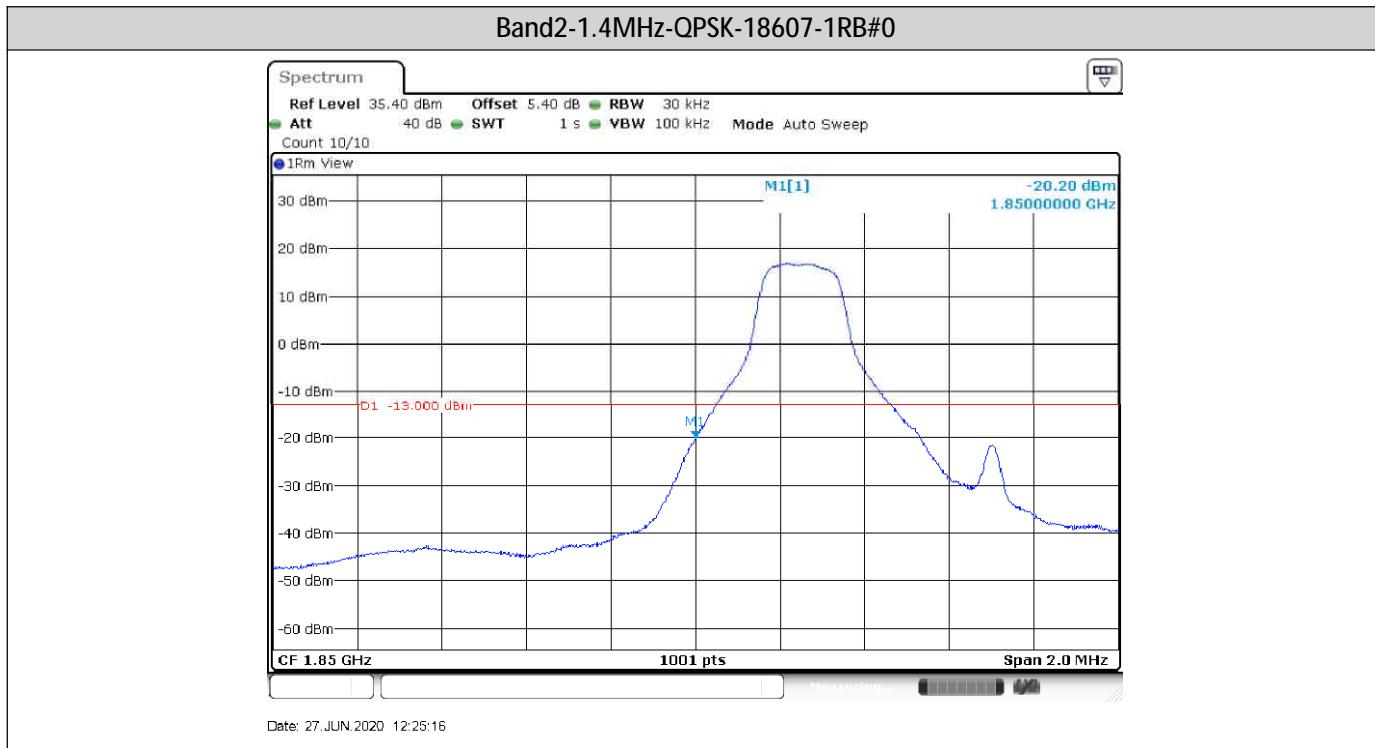
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## 5. Band Edge Compliance

### 5.1. Test Plots



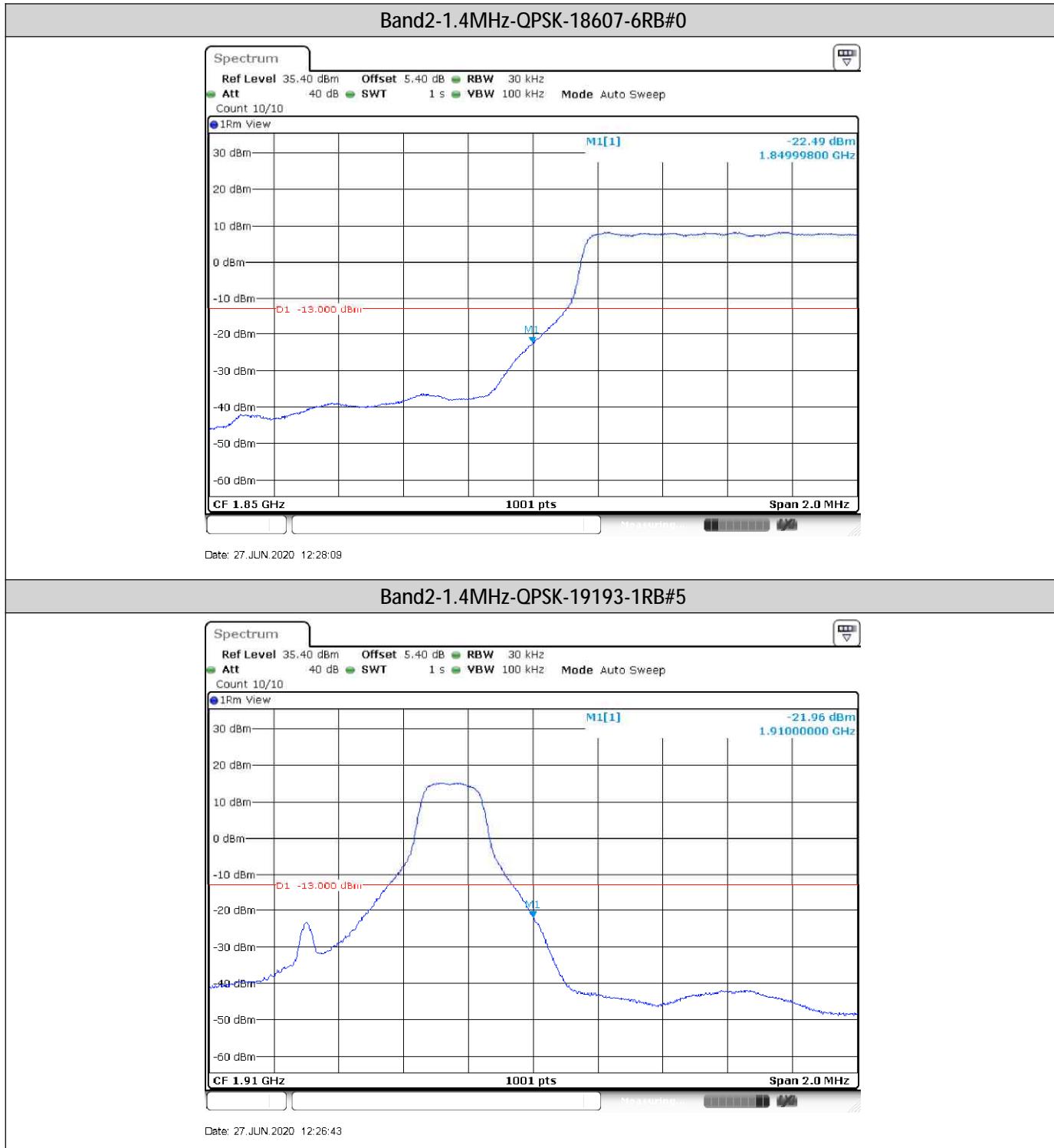
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Band2-1.4MHz-16QAM-18607-1RB#0

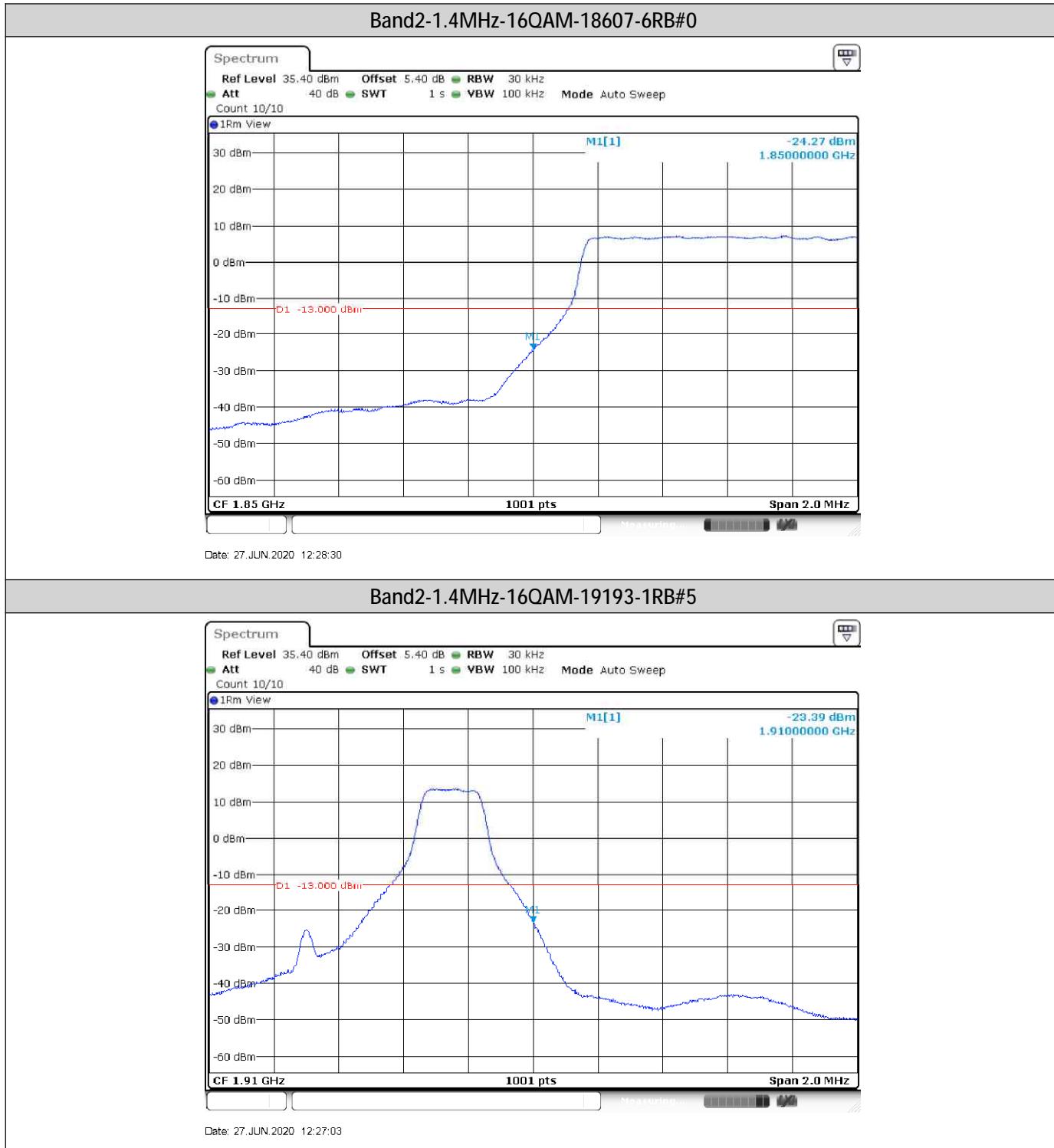


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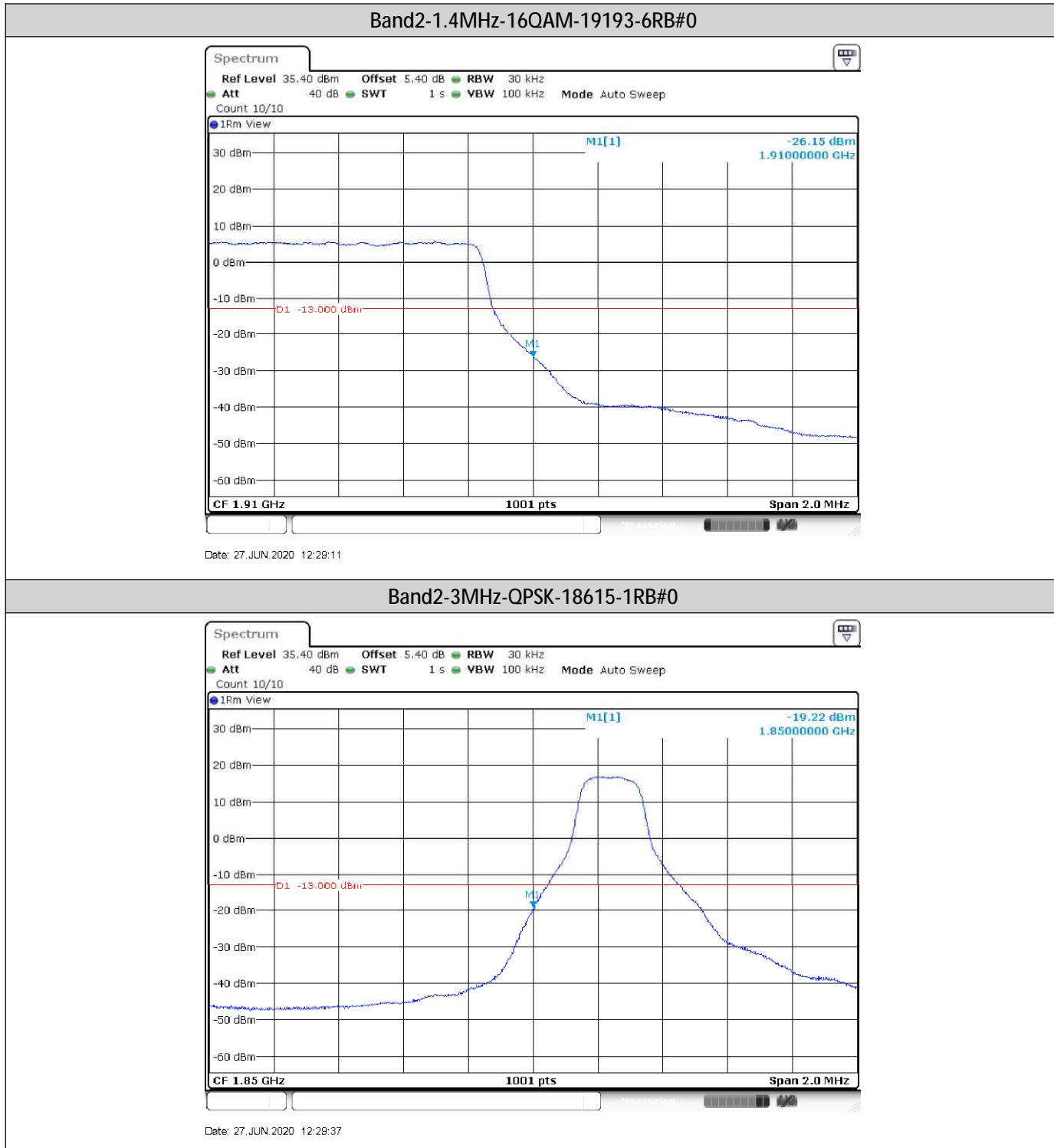
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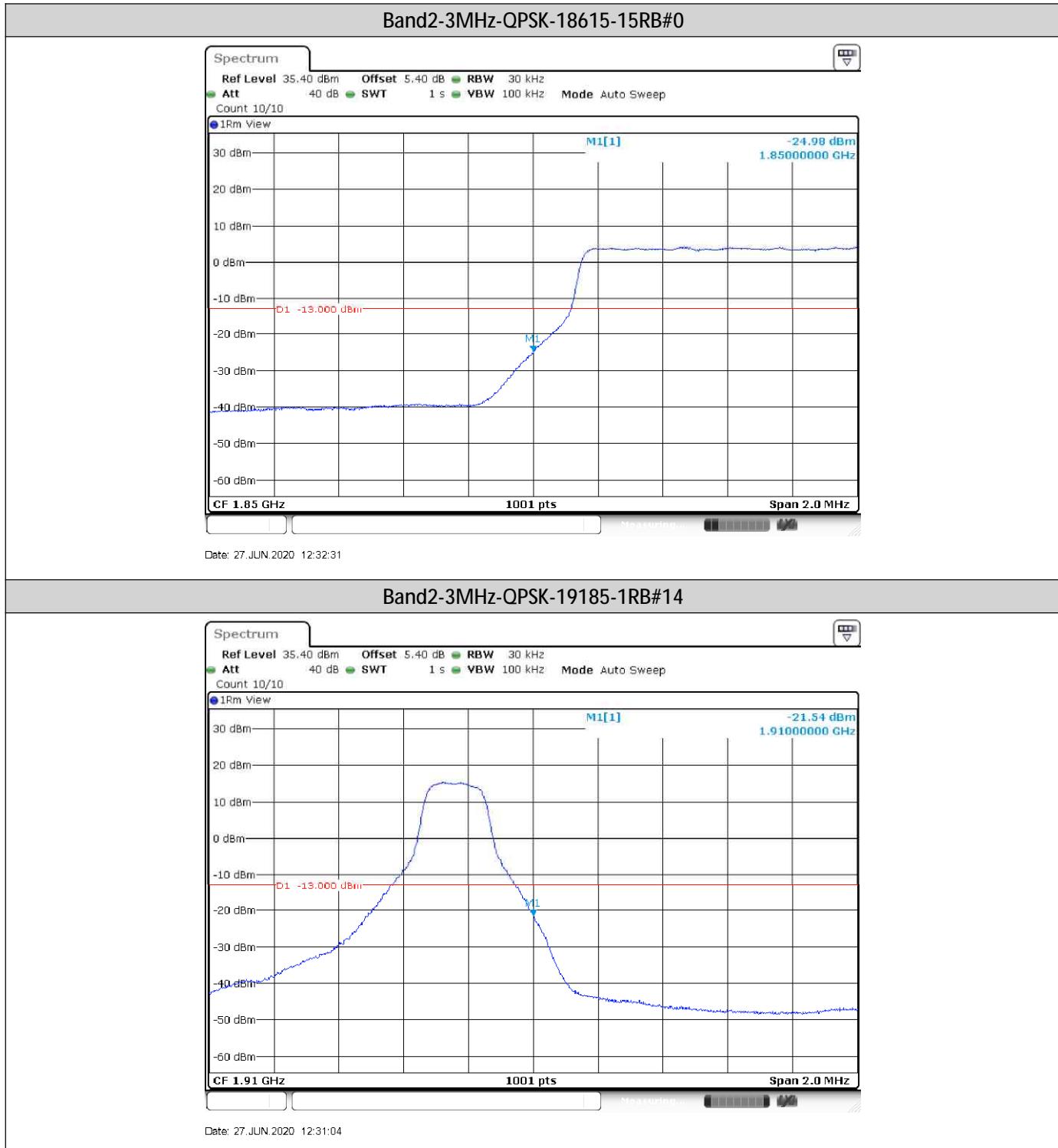




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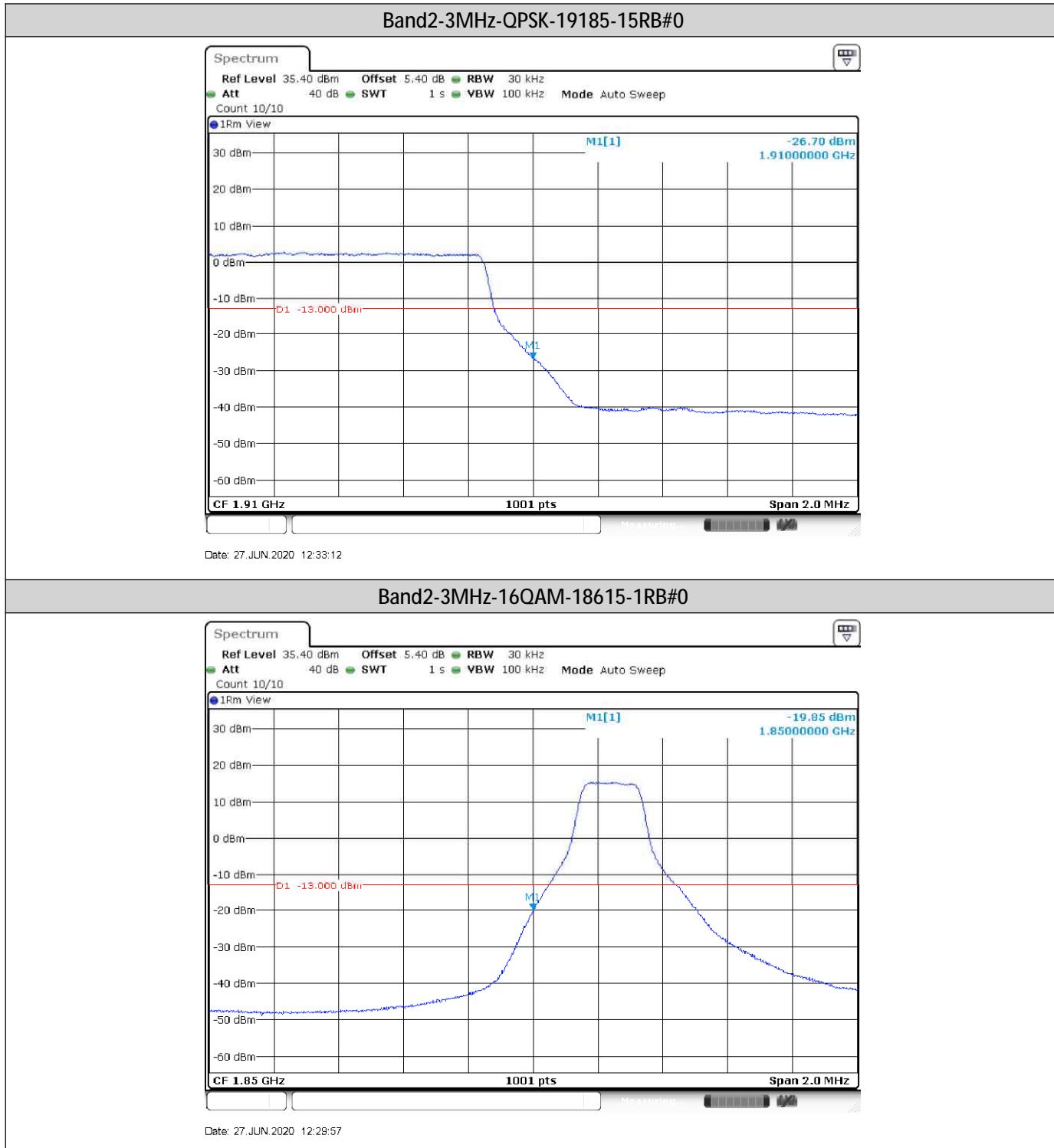


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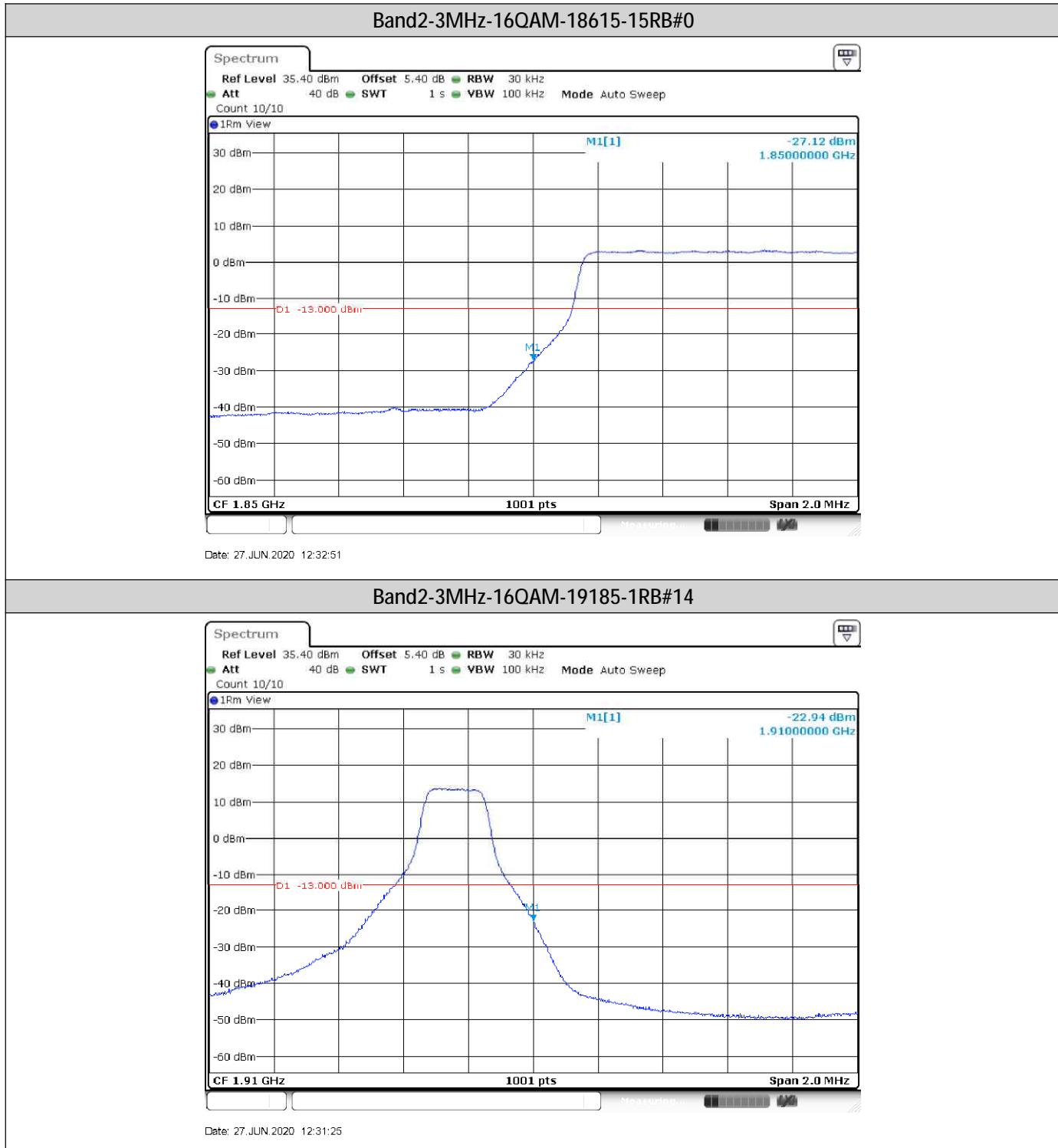
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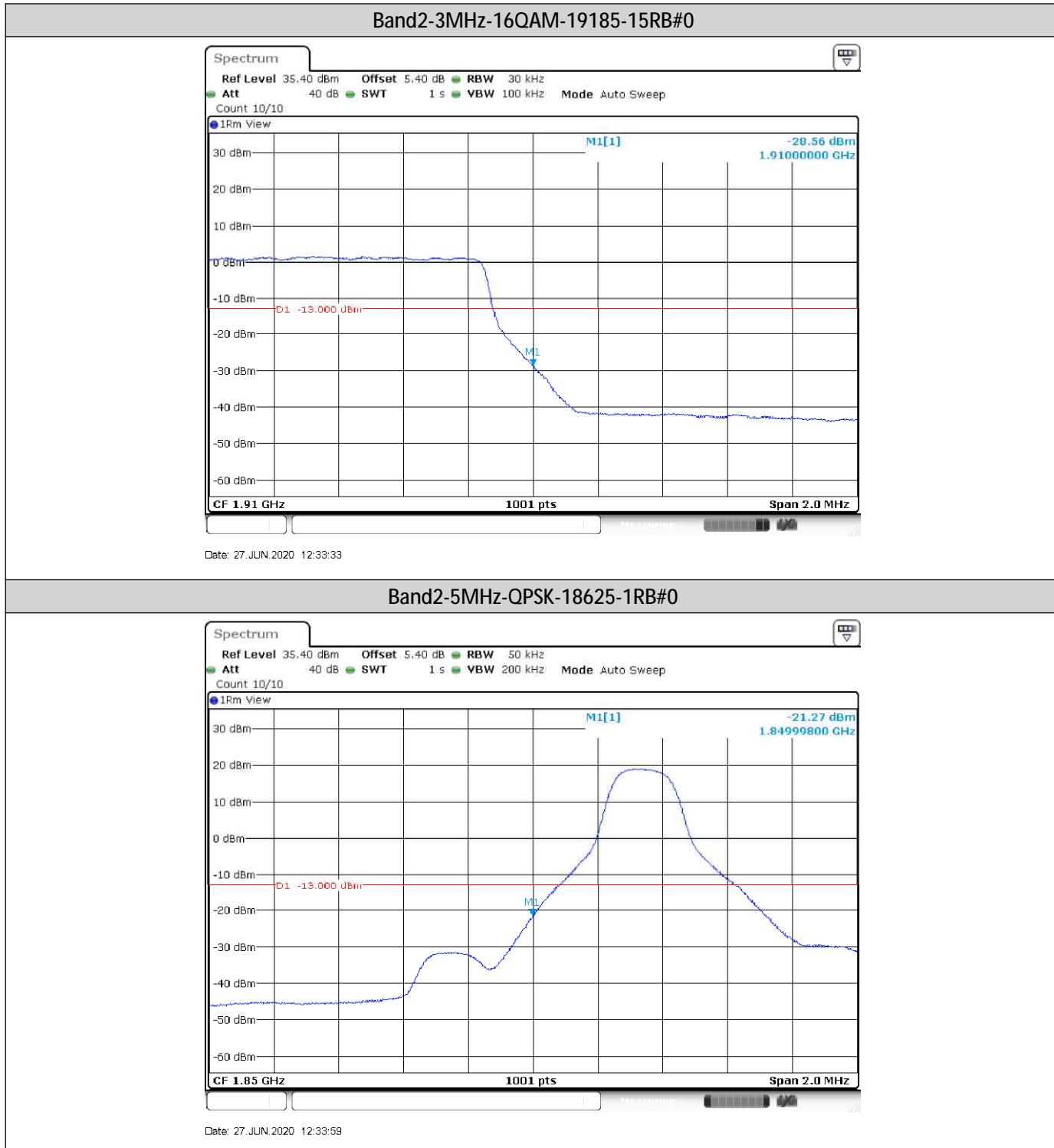


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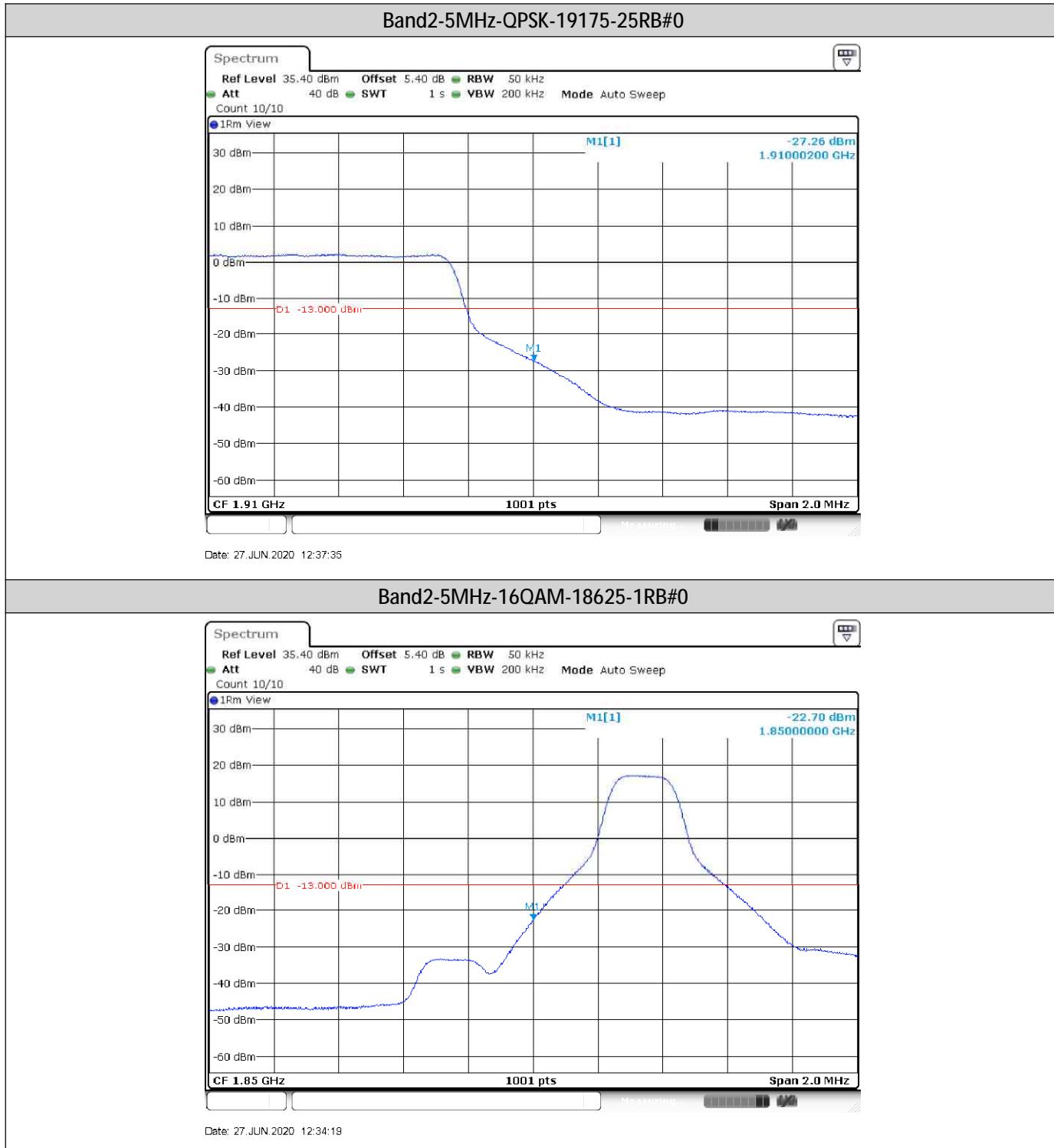


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## Band2-5MHz-16QAM-19175-1RB#24



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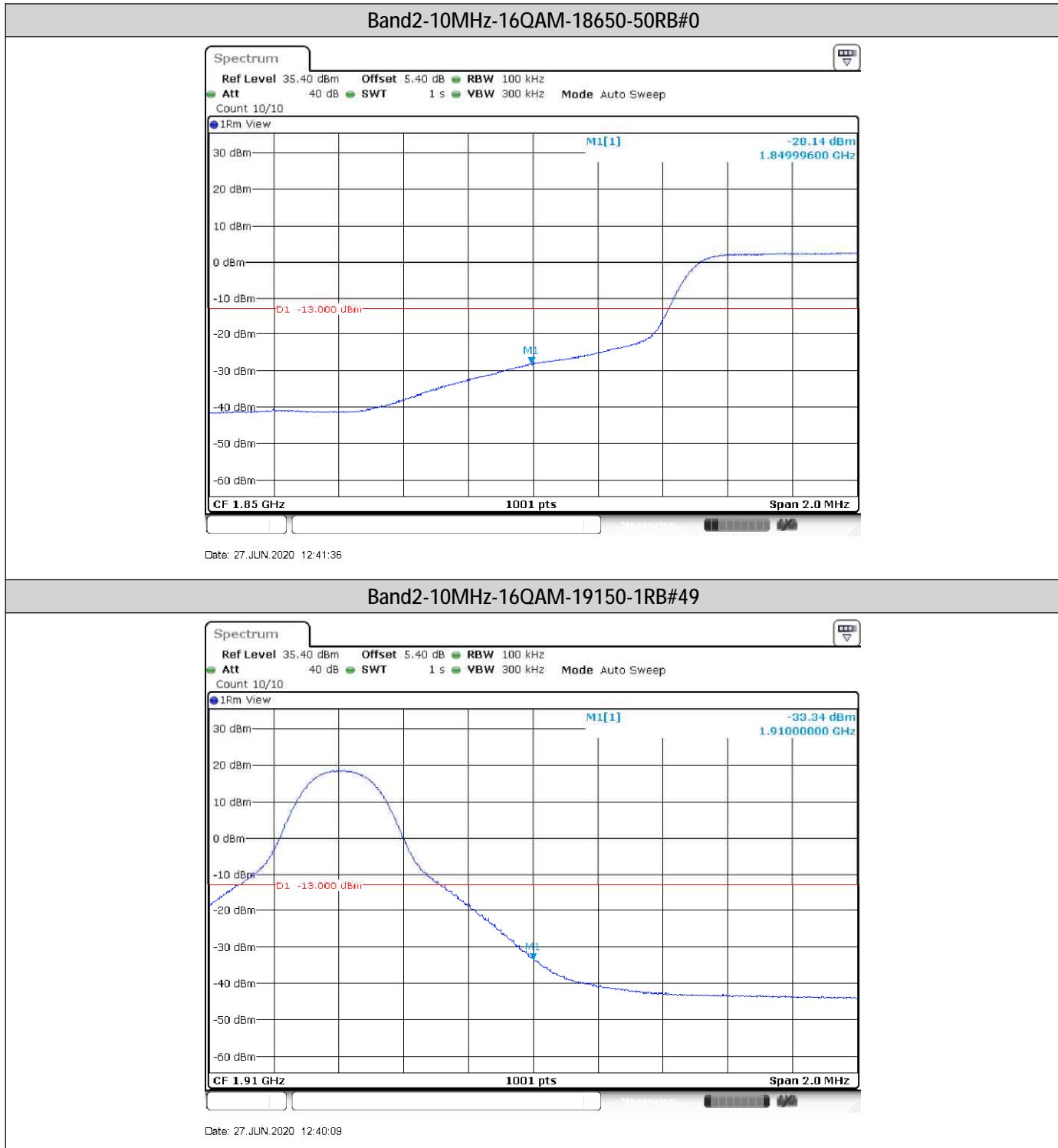


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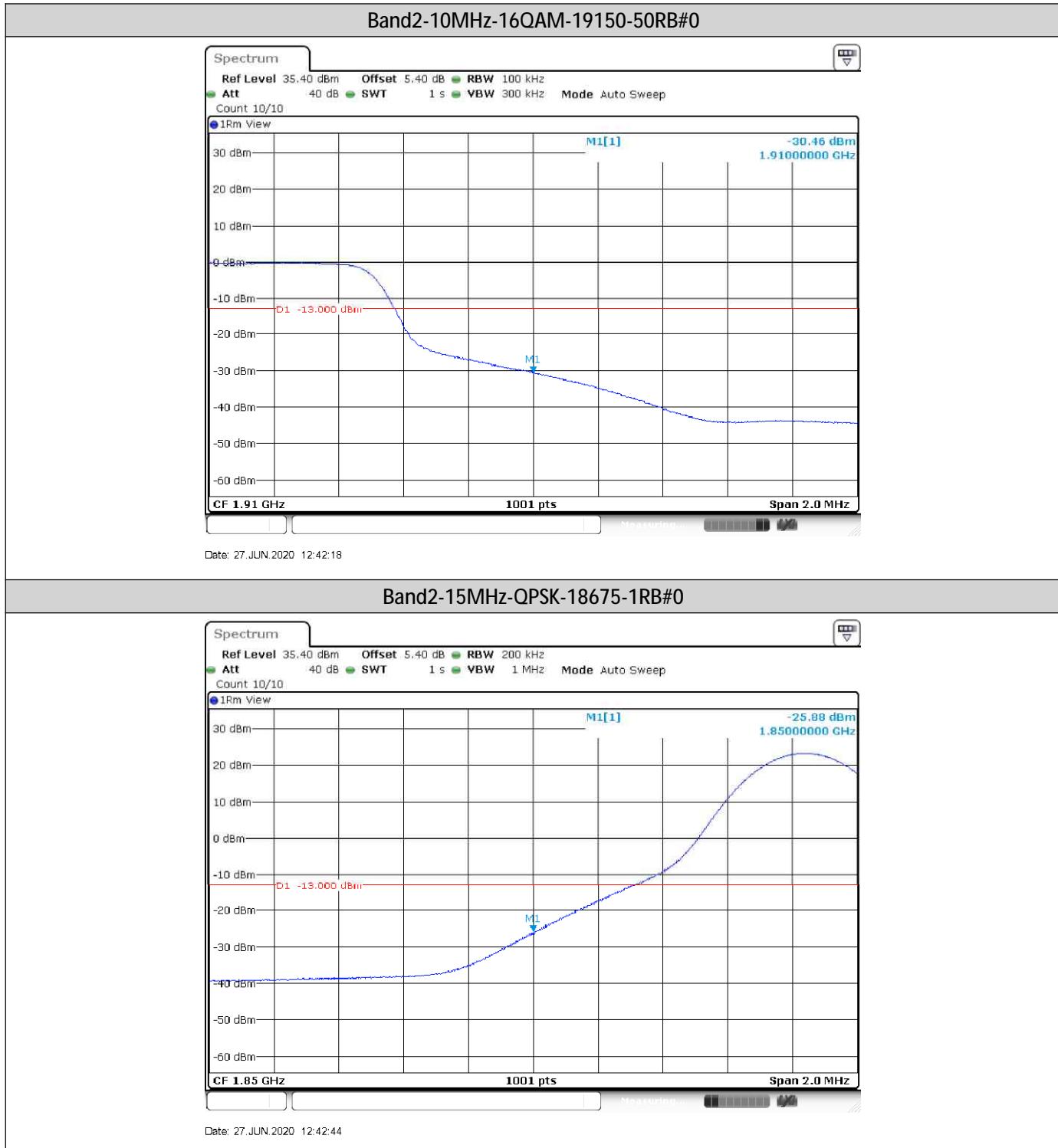




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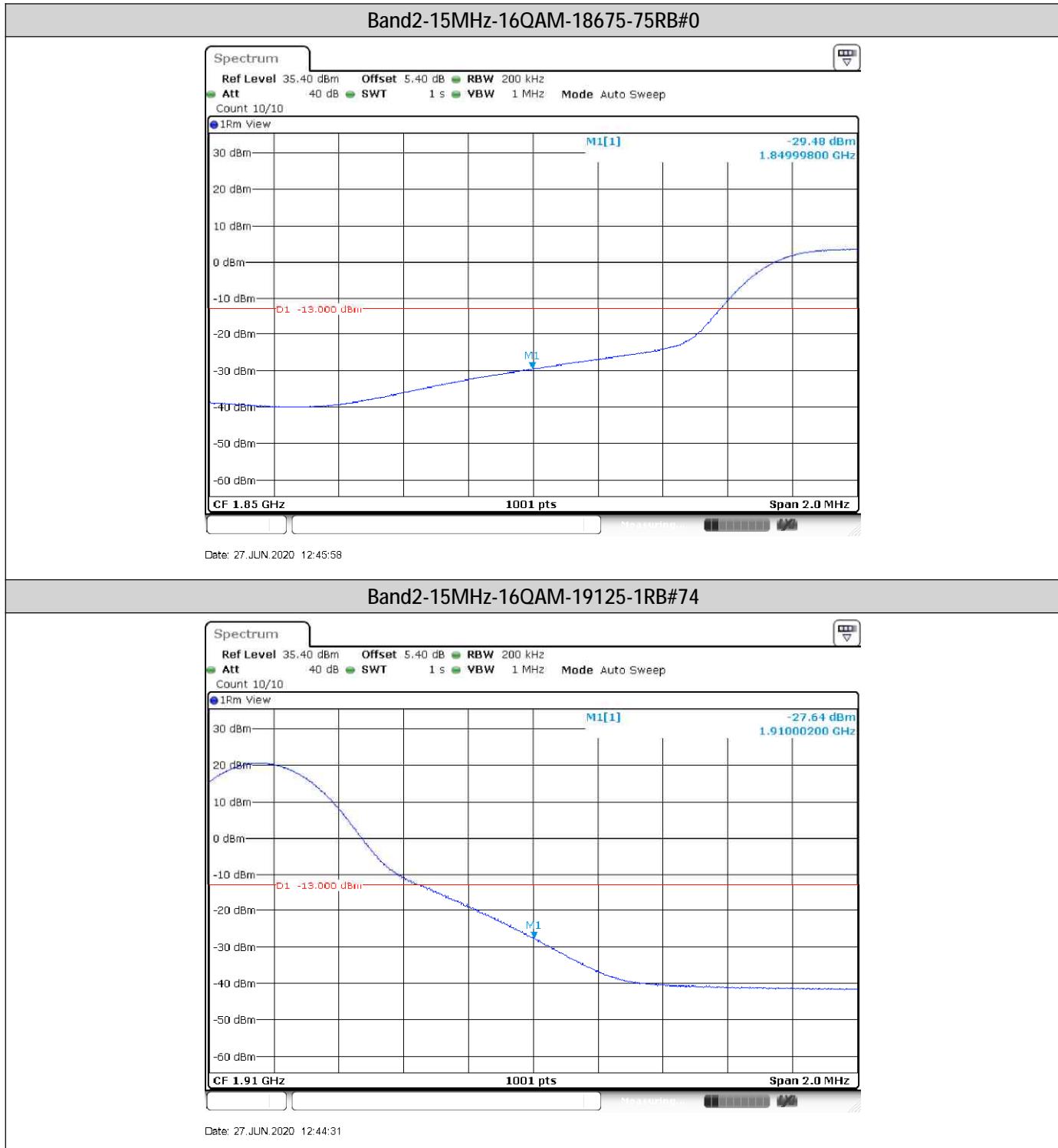


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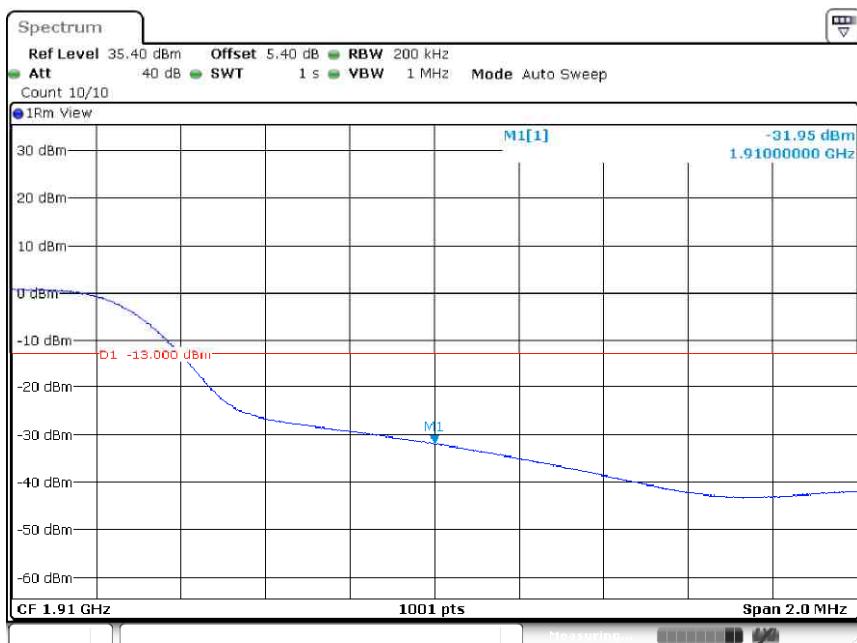
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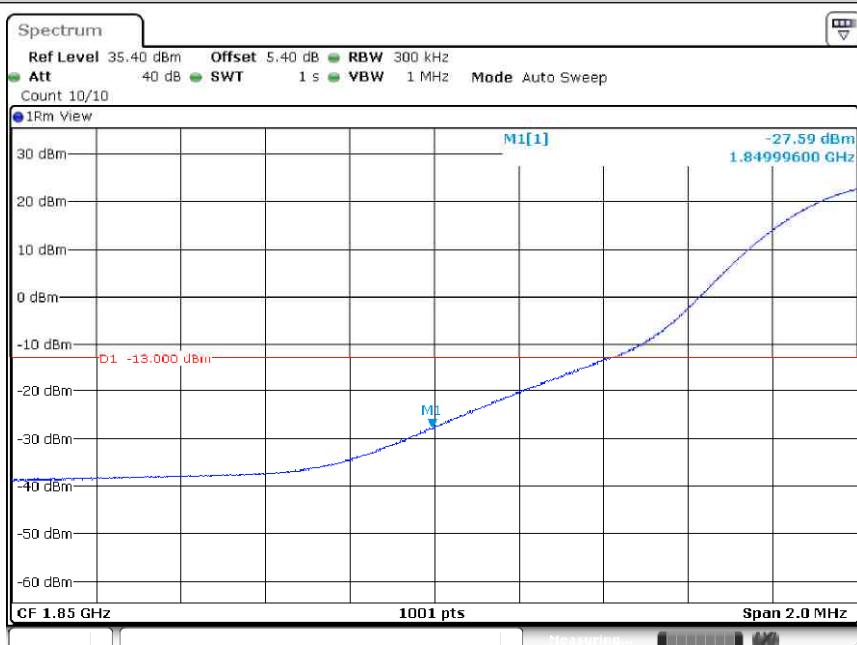


Band2-15MHz-16QAM-19125-75RB#0



Date: 27.JUN.2020 12:46:40

Band2-20MHz-QPSK-18700-1RB#0



Date: 27.JUN.2020 12:47:05

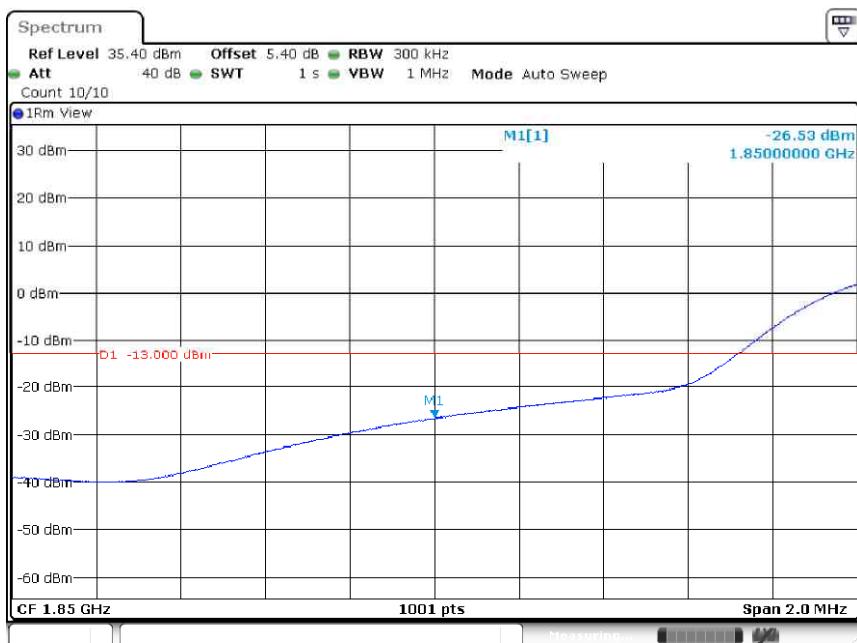
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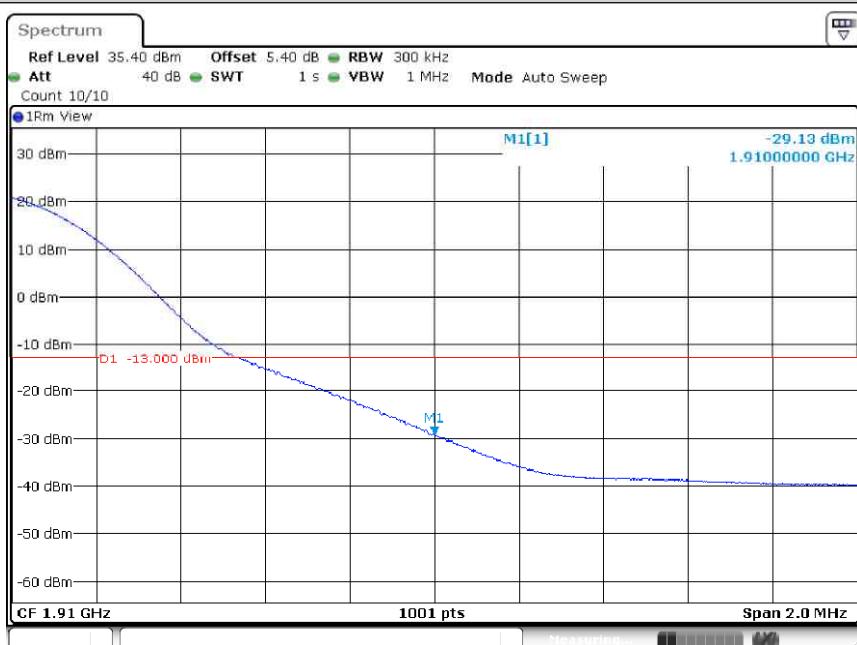
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## Band2-20MHz-QPSK-18700-100RB#0



Date: 27.JUN.2020 12:49:58

## Band2-20MHz-QPSK-19100-1RB#99



Date: 27.JUN.2020 12:48:32

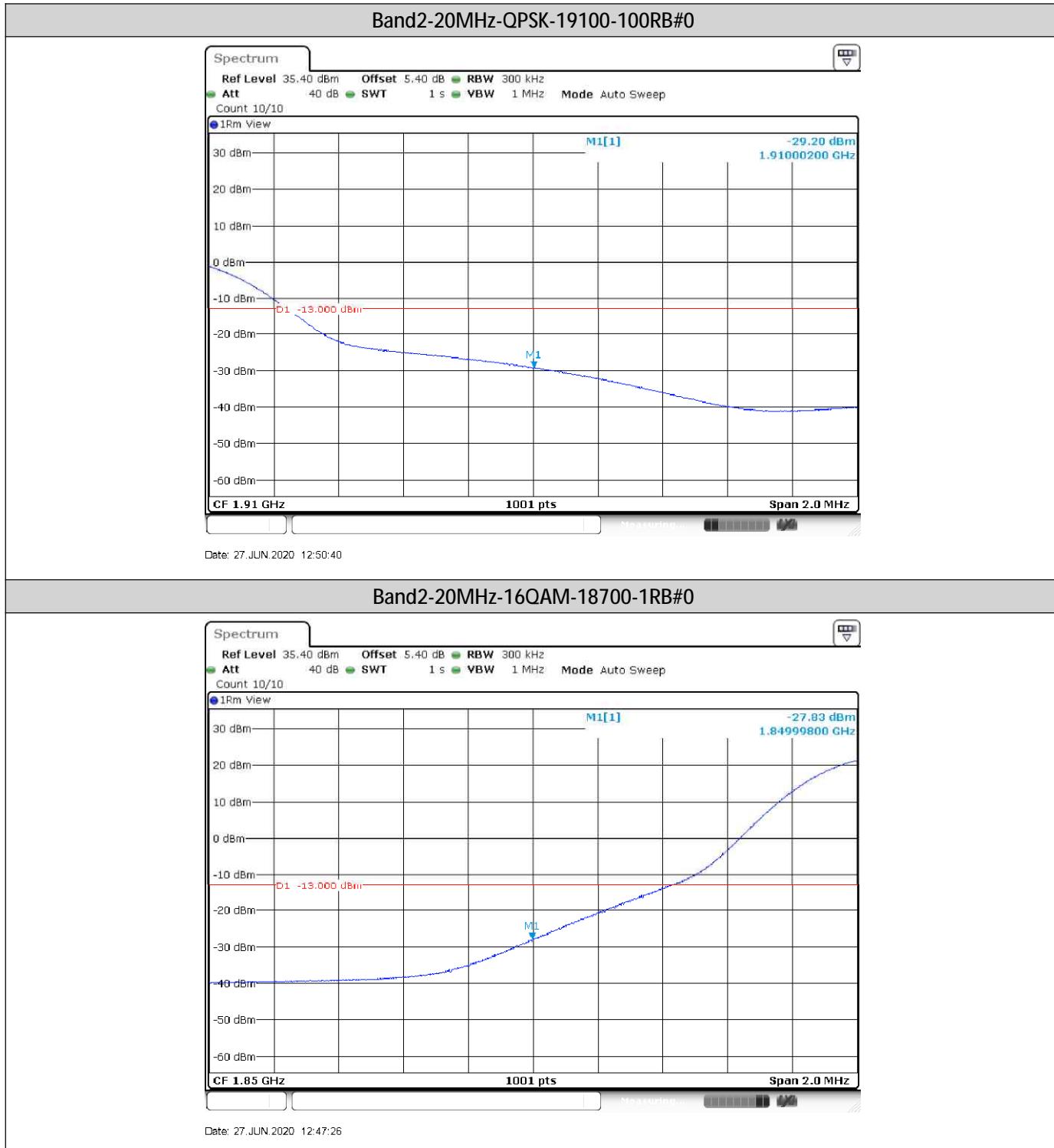
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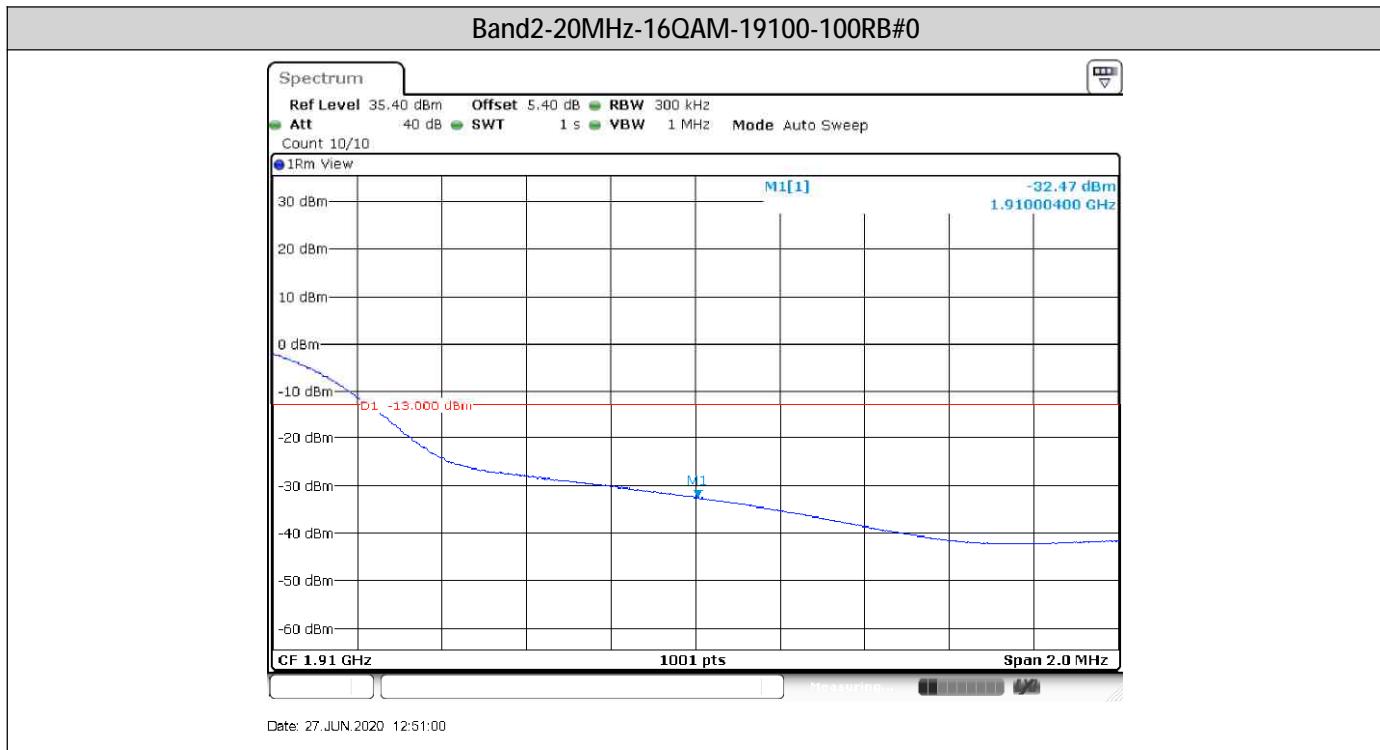




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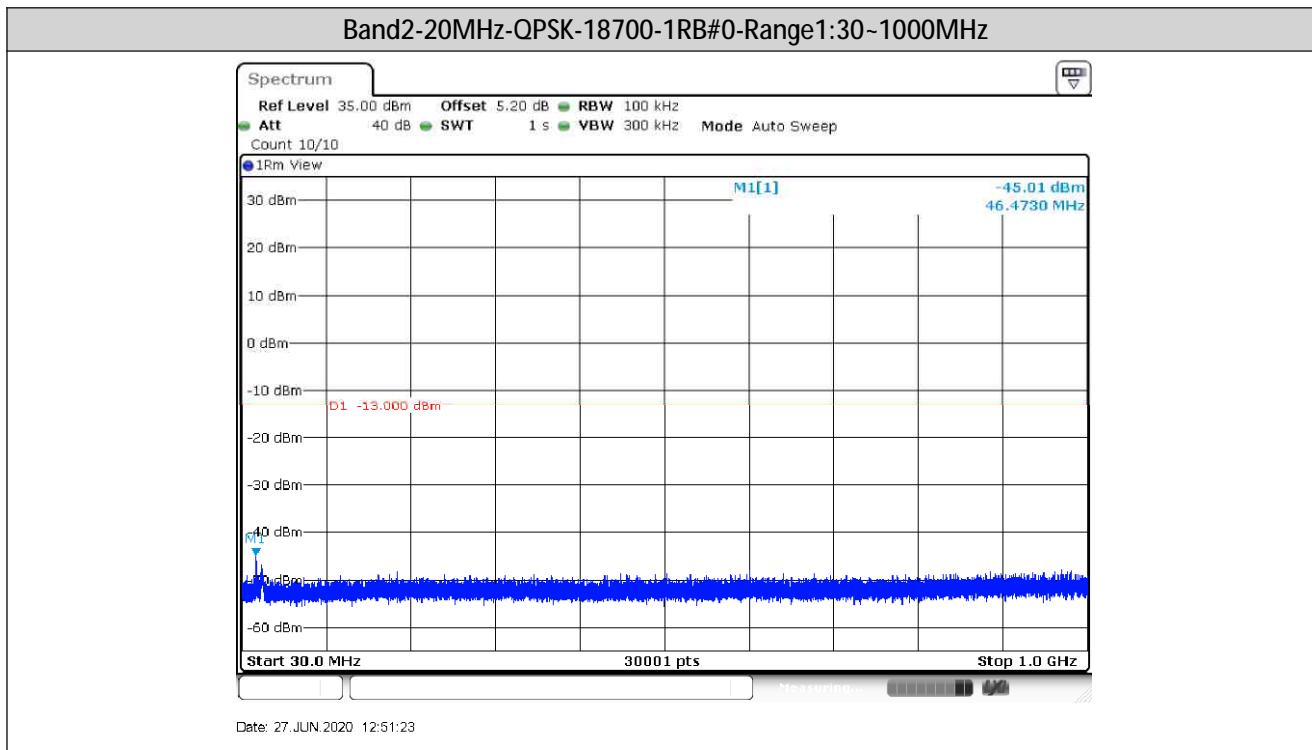
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## 6. Spurious Emission at Antenna Terminal

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



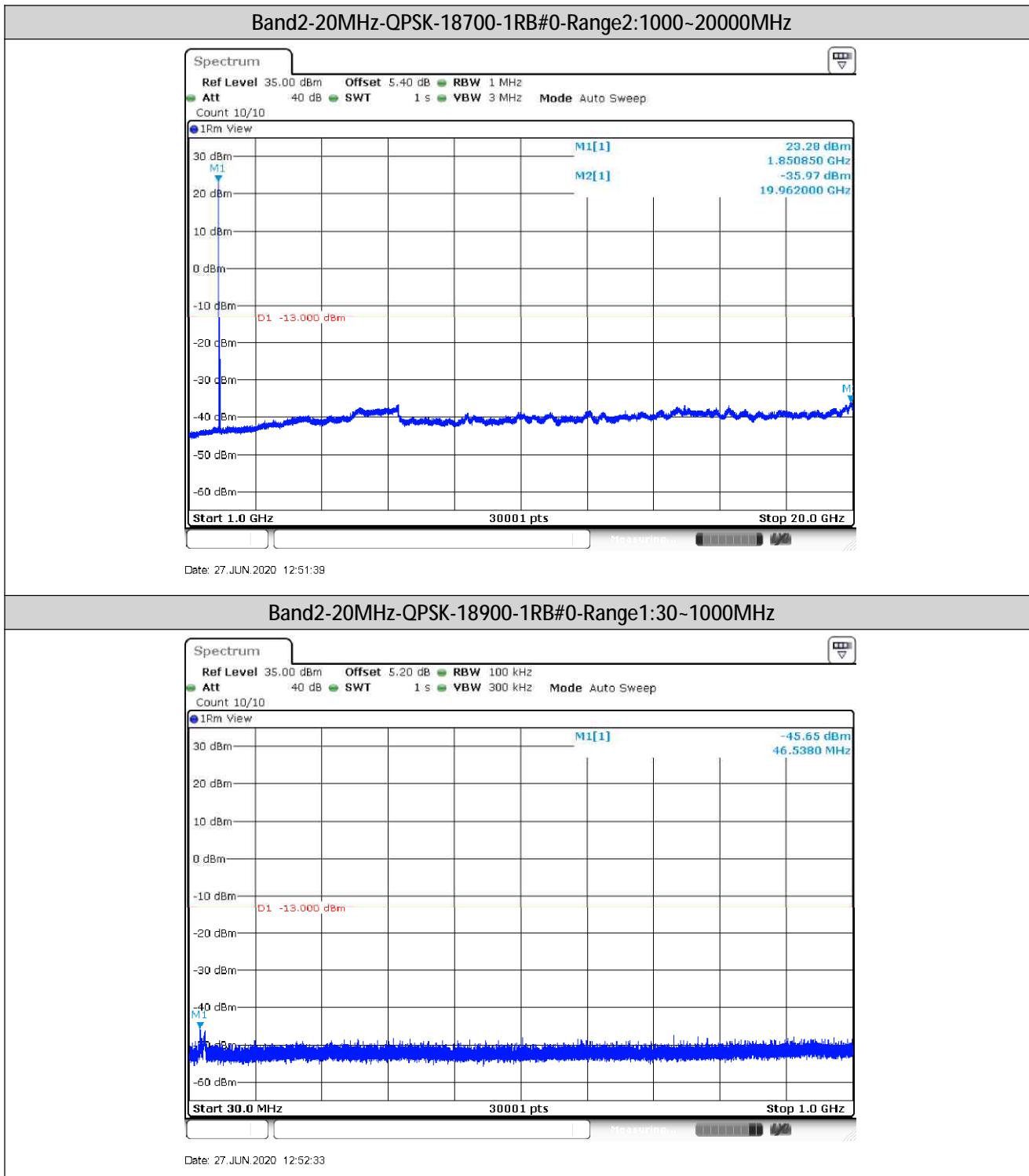
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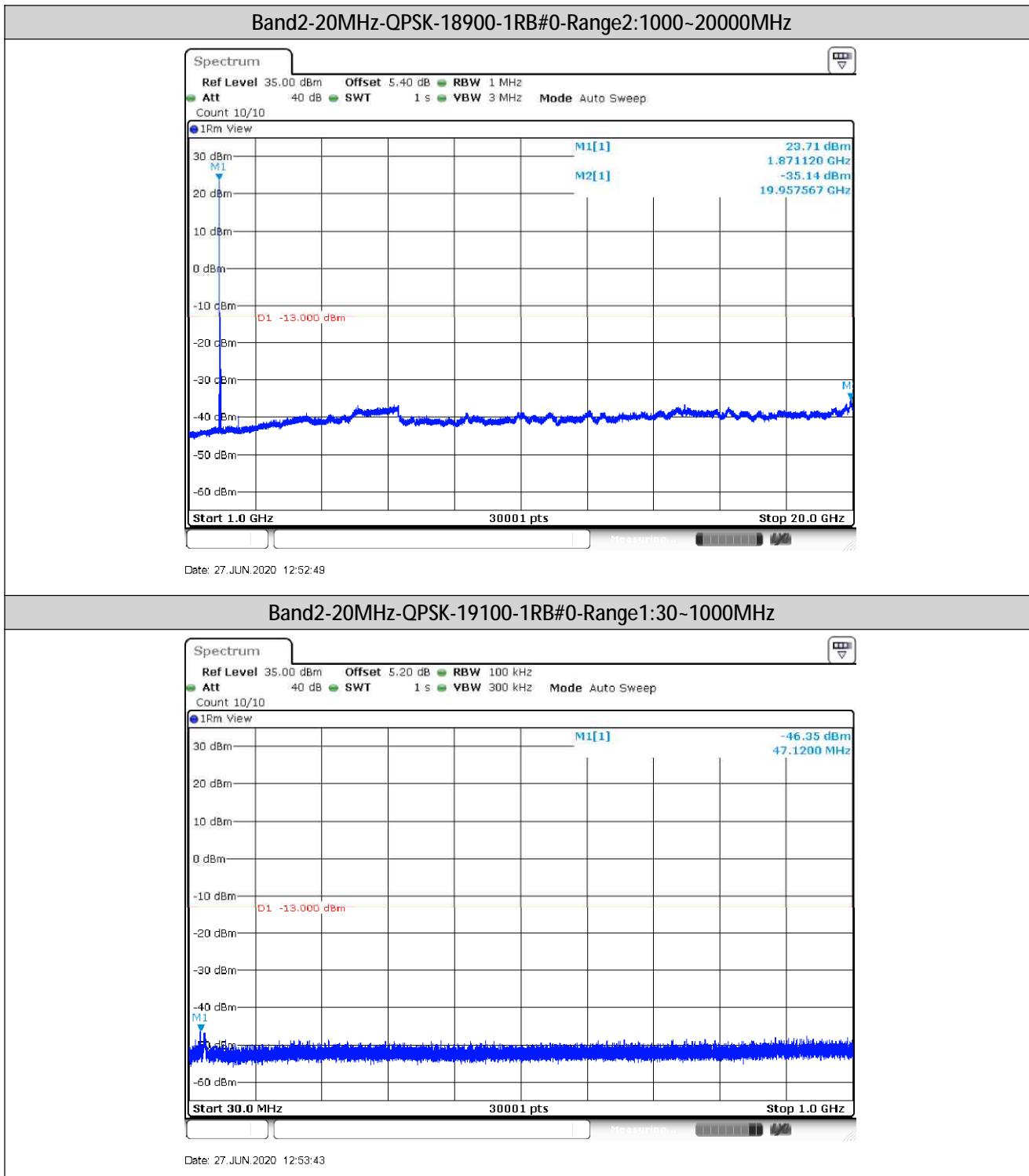
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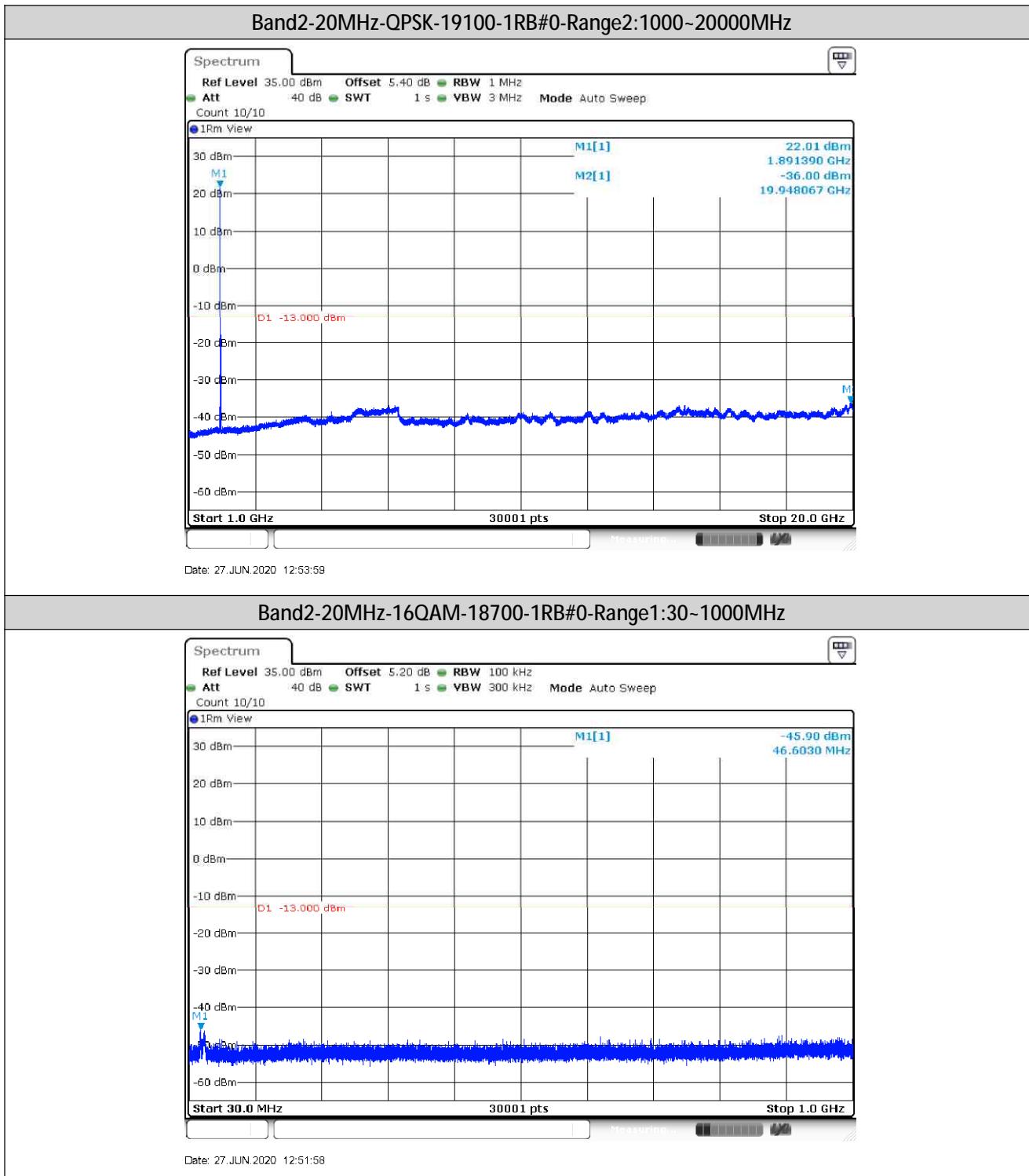


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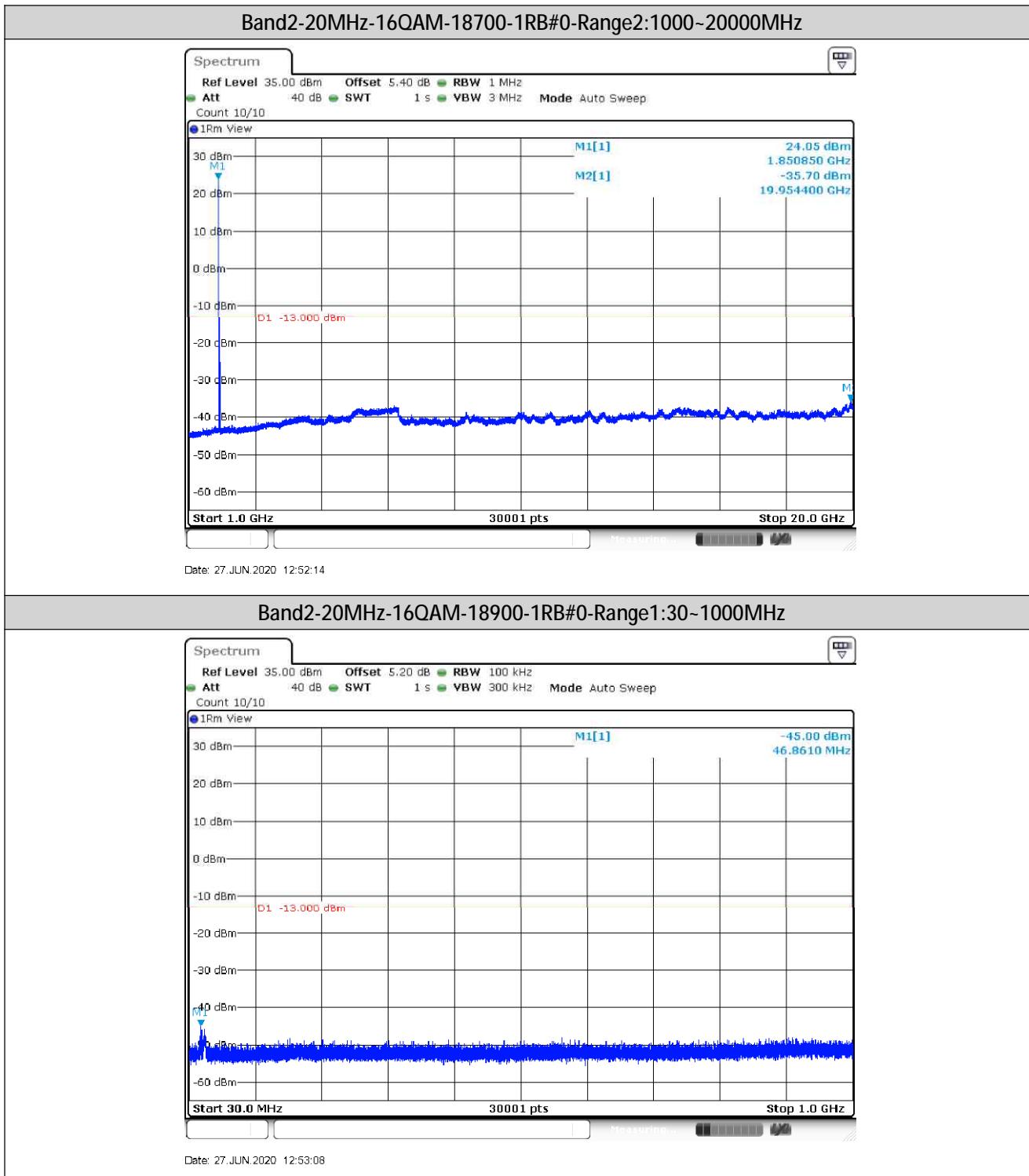
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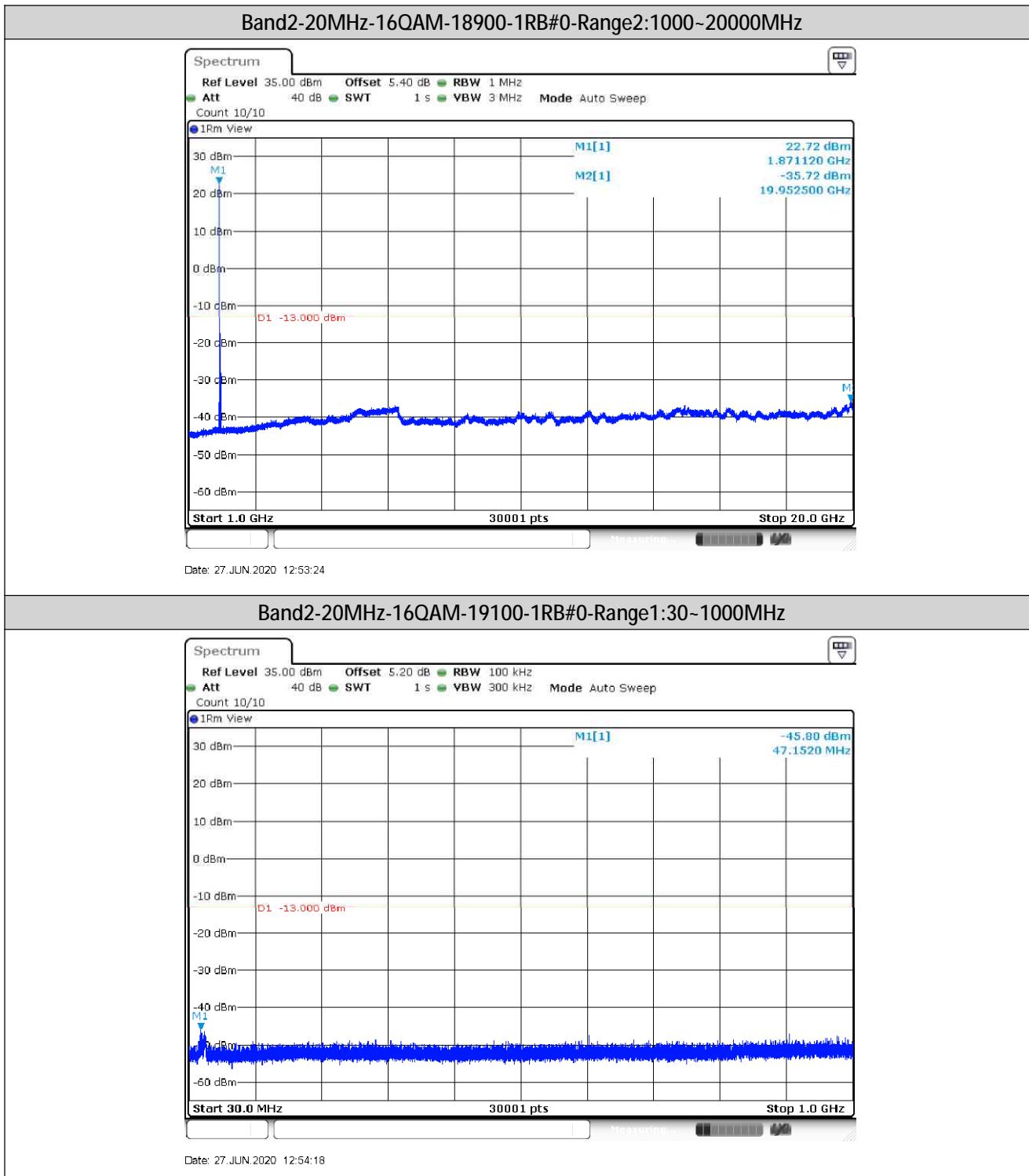




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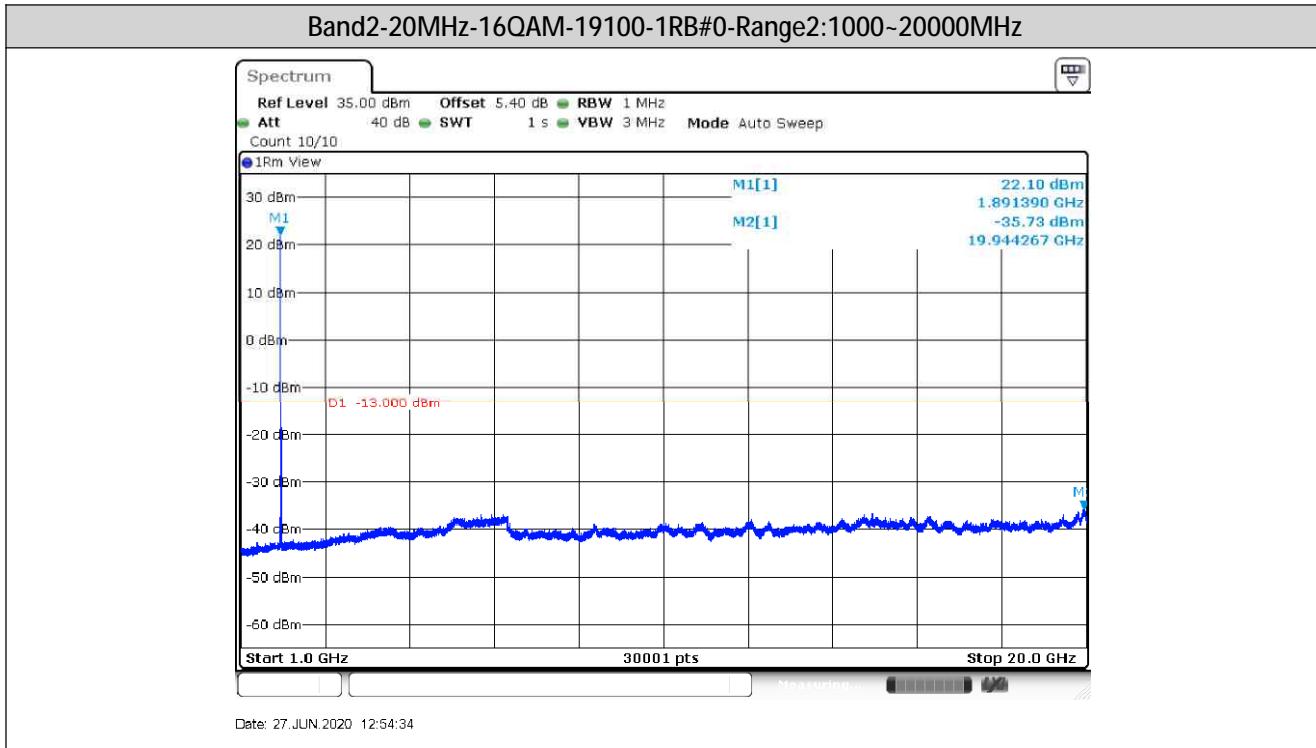




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## 7. Field Strength of Spurious Radiation

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

#### 7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.7760	-51.40	-13.00	38.40	Vertical
75.7863	-50.51	-13.00	37.51	Vertical
442.1736	-67.37	-13.00	54.37	Vertical
3702.0234	-59.70	-13.00	46.70	Vertical
8029.6677	-55.81	-13.00	42.81	Vertical
14497.3832	-47.68	-13.00	34.68	Vertical
41.3496	-56.94	-13.00	43.94	Horizontal
65.6493	-56.42	-13.00	43.42	Horizontal
224.1067	-67.34	-13.00	54.34	Horizontal
3702.0234	-58.63	-13.00	45.63	Horizontal
8000.1667	-55.75	-13.00	42.75	Horizontal
16391.4464	-43.63	-13.00	30.63	Horizontal

#### 7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.9215	-51.80	-13.00	38.80	Vertical
68.5109	-51.40	-13.00	38.40	Vertical
321.0146	-69.46	-13.00	56.46	Vertical
3742.0247	-60.28	-13.00	47.28	Vertical
7998.1666	-55.62	-13.00	42.62	Vertical
14488.3829	-47.76	-13.00	34.76	Vertical
41.6406	-57.50	-13.00	44.50	Horizontal
144.9507	-68.29	-13.00	55.29	Horizontal
231.8186	-68.11	-13.00	55.11	Horizontal
3742.0247	-58.17	-13.00	45.17	Horizontal
7453.6485	-56.07	-13.00	43.07	Horizontal
16388.4463	-43.57	-13.00	30.57	Horizontal

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### 7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.9215	-51.63	-13.00	38.63	Vertical
67.9774	-51.05	-13.00	38.05	Vertical
342.9861	-69.36	-13.00	56.36	Vertical
3782.0261	-60.52	-13.00	47.52	Vertical
7429.6477	-55.59	-13.00	42.59	Vertical
14703.8901	-47.44	-13.00	34.44	Vertical
42.0771	-56.58	-13.00	43.58	Horizontal
145.0963	-67.55	-13.00	54.55	Horizontal
619.9835	-63.06	-13.00	50.06	Horizontal
3782.0261	-60.28	-13.00	47.28	Horizontal
7479.6493	-56.25	-13.00	43.25	Horizontal
16387.4462	-43.64	-13.00	30.64	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 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	0.00	0.000000	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-0.80	-0.000430	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	1.30	0.000699	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-1.90	-0.001011	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-2.60	-0.001383	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-3.00	-0.001596	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-3.30	-0.001737	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-3.20	-0.001684	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-1.60	-0.000842	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	1.50	0.000806	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	-0.30	-0.000161	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	1.30	0.000699	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-3.70	-0.001968	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-3.20	-0.001702	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-3.40	-0.001809	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-3.10	-0.001632	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-2.80	-0.001474	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-1.50	-0.000789	±2.5	PASS

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## 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	0.30	0.000161	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	0.40	0.000215	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	1.90	0.001022	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	0.30	0.000161	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	-1.10	-0.000591	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	1.90	0.001022	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	-0.40	-0.000215	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	1.70	0.000914	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-3.00	-0.001596	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-2.50	-0.001330	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-4.20	-0.002234	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-3.20	-0.001702	±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	-4.00	-0.002128	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-3.50	-0.001862	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-2.20	-0.001170	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-2.40	-0.001263	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-3.00	-0.001579	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-3.10	-0.001632	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-3.00	-0.001579	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-2.80	-0.001474	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-3.60	-0.001895	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-3.40	-0.001789	±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	1.80	0.000968	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	2.10	0.001129	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	1.50	0.000806	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	1.00	0.000538	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	0.20	0.000108	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	1.30	0.000699	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	2.10	0.001129	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	1.90	0.001022	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-3.90	-0.002074	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-3.00	-0.001596	±2.5	PASS

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Band2	20MHz	16QAM	18900	100RB#0	NV	0	-5.10	-0.002713	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-3.70	-0.001968	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-3.00	-0.001596	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-2.10	-0.001117	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-2.30	-0.001223	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-1.90	-0.001011	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-2.70	-0.001421	±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	-3.30	-0.001737	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-0.90	-0.000474	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-1.10	-0.000579	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-1.30	-0.000684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-1.60	-0.000842	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-2.40	-0.001263	±2.5	PASS



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