



CTC Laboratories, Inc.

Appendix for LTE Band 2

FCC ID: 2AZPZ-T25

Applicant: YAHAM OPTOELECTRONICS CO., LTD

**Address: Bldg. A&D, Yongwei Industrial Park, #118
Yongfu Road, Fuhai Str., Bao'an Dist. Shenzhen China**

Product Name: Taxi Roof LED Display

EUT Model: YHT-TAXI-T2.5



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Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	21.09	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	21.56	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	21.27	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	21.48	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	21.43	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	21.45	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	20.61	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	21.73	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	21.80	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	21.62	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	21.63	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	21.71	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	21.66	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	20.61	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	21.73	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	21.52	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	21.22	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	21.46	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	21.52	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	21.41	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	20.51	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	20.26	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	20.30	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	20.26	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	21.45	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.42	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	21.44	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	19.57	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	20.75	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	20.82	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	20.49	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.72	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	21.69	PASS



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Band2	1.4MHz	16QAM	18900	3RB#3	21.66	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	19.67	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	20.73	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	20.75	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	20.35	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.54	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.51	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	21.40	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	19.35	PASS
Band2	3MHz	QPSK	18615	1RB#0	21.62	PASS
Band2	3MHz	QPSK	18615	1RB#8	21.33	PASS
Band2	3MHz	QPSK	18615	1RB#14	21.62	PASS
Band2	3MHz	QPSK	18615	8RB#0	20.46	PASS
Band2	3MHz	QPSK	18615	8RB#4	20.03	PASS
Band2	3MHz	QPSK	18615	8RB#7	20.15	PASS
Band2	3MHz	QPSK	18615	15RB#0	20.34	PASS
Band2	3MHz	QPSK	18900	1RB#0	21.79	PASS
Band2	3MHz	QPSK	18900	1RB#8	21.59	PASS
Band2	3MHz	QPSK	18900	1RB#14	21.58	PASS
Band2	3MHz	QPSK	18900	8RB#0	20.48	PASS
Band2	3MHz	QPSK	18900	8RB#4	20.33	PASS
Band2	3MHz	QPSK	18900	8RB#7	20.44	PASS
Band2	3MHz	QPSK	18900	15RB#0	20.47	PASS
Band2	3MHz	QPSK	19185	1RB#0	21.43	PASS
Band2	3MHz	QPSK	19185	1RB#8	21.41	PASS
Band2	3MHz	QPSK	19185	1RB#14	21.36	PASS
Band2	3MHz	QPSK	19185	8RB#0	20.53	PASS
Band2	3MHz	QPSK	19185	8RB#4	20.11	PASS
Band2	3MHz	QPSK	19185	8RB#7	20.50	PASS
Band2	3MHz	QPSK	19185	15RB#0	20.26	PASS
Band2	3MHz	16QAM	18615	1RB#0	20.53	PASS
Band2	3MHz	16QAM	18615	1RB#8	20.41	PASS
Band2	3MHz	16QAM	18615	1RB#14	20.42	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.04	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.11	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.14	PASS
Band2	3MHz	16QAM	18615	15RB#0	19.42	PASS



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Band2	3MHz	16QAM	18900	1RB#0	20.59	PASS
Band2	3MHz	16QAM	18900	1RB#8	20.53	PASS
Band2	3MHz	16QAM	18900	1RB#14	20.63	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.47	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.33	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.44	PASS
Band2	3MHz	16QAM	18900	15RB#0	19.52	PASS
Band2	3MHz	16QAM	19185	1RB#0	20.66	PASS
Band2	3MHz	16QAM	19185	1RB#8	20.53	PASS
Band2	3MHz	16QAM	19185	1RB#14	20.50	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.42	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.11	PASS
Band2	3MHz	16QAM	19185	8RB#7	20.52	PASS
Band2	3MHz	16QAM	19185	15RB#0	19.35	PASS
Band2	5MHz	QPSK	18625	1RB#0	21.70	PASS
Band2	5MHz	QPSK	18625	1RB#12	21.46	PASS
Band2	5MHz	QPSK	18625	1RB#24	21.29	PASS
Band2	5MHz	QPSK	18625	12RB#0	20.46	PASS
Band2	5MHz	QPSK	18625	12RB#6	20.53	PASS
Band2	5MHz	QPSK	18625	12RB#13	20.38	PASS
Band2	5MHz	QPSK	18625	25RB#0	20.42	PASS
Band2	5MHz	QPSK	18900	1RB#0	21.56	PASS
Band2	5MHz	QPSK	18900	1RB#12	21.55	PASS
Band2	5MHz	QPSK	18900	1RB#24	21.68	PASS
Band2	5MHz	QPSK	18900	12RB#0	20.59	PASS
Band2	5MHz	QPSK	18900	12RB#6	20.57	PASS
Band2	5MHz	QPSK	18900	12RB#13	20.54	PASS
Band2	5MHz	QPSK	18900	25RB#0	20.55	PASS
Band2	5MHz	QPSK	19175	1RB#0	21.56	PASS
Band2	5MHz	QPSK	19175	1RB#12	21.27	PASS
Band2	5MHz	QPSK	19175	1RB#24	21.55	PASS
Band2	5MHz	QPSK	19175	12RB#0	20.35	PASS
Band2	5MHz	QPSK	19175	12RB#6	20.44	PASS
Band2	5MHz	QPSK	19175	12RB#13	20.36	PASS
Band2	5MHz	QPSK	19175	25RB#0	20.35	PASS
Band2	5MHz	16QAM	18625	1RB#0	20.70	PASS
Band2	5MHz	16QAM	18625	1RB#12	20.68	PASS



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Band2	5MHz	16QAM	18625	1RB#24	20.16	PASS
Band2	5MHz	16QAM	18625	12RB#0	20.45	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.51	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.36	PASS
Band2	5MHz	16QAM	18625	25RB#0	19.48	PASS
Band2	5MHz	16QAM	18900	1RB#0	20.30	PASS
Band2	5MHz	16QAM	18900	1RB#12	20.52	PASS
Band2	5MHz	16QAM	18900	1RB#24	20.59	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.58	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.57	PASS
Band2	5MHz	16QAM	18900	12RB#13	20.54	PASS
Band2	5MHz	16QAM	18900	25RB#0	19.57	PASS
Band2	5MHz	16QAM	19175	1RB#0	20.39	PASS
Band2	5MHz	16QAM	19175	1RB#12	20.38	PASS
Band2	5MHz	16QAM	19175	1RB#24	20.29	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.45	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.43	PASS
Band2	5MHz	16QAM	19175	12RB#13	20.36	PASS
Band2	5MHz	16QAM	19175	25RB#0	19.43	PASS
Band2	10MHz	QPSK	18650	1RB#0	21.72	PASS
Band2	10MHz	QPSK	18650	1RB#24	21.95	PASS
Band2	10MHz	QPSK	18650	1RB#49	21.75	PASS
Band2	10MHz	QPSK	18650	25RB#0	20.86	PASS
Band2	10MHz	QPSK	18650	25RB#12	20.85	PASS
Band2	10MHz	QPSK	18650	25RB#25	20.76	PASS
Band2	10MHz	QPSK	18650	50RB#0	20.70	PASS
Band2	10MHz	QPSK	18900	1RB#0	21.84	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.28	PASS
Band2	10MHz	QPSK	18900	1RB#49	21.75	PASS
Band2	10MHz	QPSK	18900	25RB#0	20.95	PASS
Band2	10MHz	QPSK	18900	25RB#12	20.94	PASS
Band2	10MHz	QPSK	18900	25RB#25	20.97	PASS
Band2	10MHz	QPSK	18900	50RB#0	20.78	PASS
Band2	10MHz	QPSK	19150	1RB#0	21.97	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.06	PASS
Band2	10MHz	QPSK	19150	1RB#49	21.66	PASS
Band2	10MHz	QPSK	19150	25RB#0	20.69	PASS



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Band2	10MHz	QPSK	19150	25RB#12	20.60	PASS
Band2	10MHz	QPSK	19150	25RB#25	20.70	PASS
Band2	10MHz	QPSK	19150	50RB#0	20.76	PASS
Band2	10MHz	16QAM	18650	1RB#0	20.80	PASS
Band2	10MHz	16QAM	18650	1RB#24	20.87	PASS
Band2	10MHz	16QAM	18650	1RB#49	20.75	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.86	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.85	PASS
Band2	10MHz	16QAM	18650	25RB#25	20.76	PASS
Band2	10MHz	16QAM	18650	50RB#0	19.66	PASS
Band2	10MHz	16QAM	18900	1RB#0	20.85	PASS
Band2	10MHz	16QAM	18900	1RB#24	20.91	PASS
Band2	10MHz	16QAM	18900	1RB#49	20.67	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.94	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.94	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.85	PASS
Band2	10MHz	16QAM	18900	50RB#0	19.88	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.10	PASS
Band2	10MHz	16QAM	19150	1RB#24	20.84	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.52	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.59	PASS
Band2	10MHz	16QAM	19150	25RB#12	20.60	PASS
Band2	10MHz	16QAM	19150	25RB#25	20.71	PASS
Band2	10MHz	16QAM	19150	50RB#0	19.74	PASS
Band2	15MHz	QPSK	18675	1RB#0	21.79	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.02	PASS
Band2	15MHz	QPSK	18675	1RB#74	21.81	PASS
Band2	15MHz	QPSK	18675	38RB#0	20.90	PASS
Band2	15MHz	QPSK	18675	38RB#18	20.94	PASS
Band2	15MHz	QPSK	18675	38RB#37	20.87	PASS
Band2	15MHz	QPSK	18675	75RB#0	20.91	PASS
Band2	15MHz	QPSK	18900	1RB#0	21.73	PASS
Band2	15MHz	QPSK	18900	1RB#38	21.81	PASS
Band2	15MHz	QPSK	18900	1RB#74	21.68	PASS
Band2	15MHz	QPSK	18900	38RB#0	20.72	PASS
Band2	15MHz	QPSK	18900	38RB#18	20.89	PASS
Band2	15MHz	QPSK	18900	38RB#37	20.50	PASS



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Band2	15MHz	QPSK	18900	75RB#0	20.88	PASS
Band2	15MHz	QPSK	19125	1RB#0	21.86	PASS
Band2	15MHz	QPSK	19125	1RB#38	21.90	PASS
Band2	15MHz	QPSK	19125	1RB#74	21.82	PASS
Band2	15MHz	QPSK	19125	38RB#0	21.88	PASS
Band2	15MHz	QPSK	19125	38RB#18	21.68	PASS
Band2	15MHz	QPSK	19125	38RB#37	21.49	PASS
Band2	15MHz	QPSK	19125	75RB#0	20.90	PASS
Band2	15MHz	16QAM	18675	1RB#0	20.84	PASS
Band2	15MHz	16QAM	18675	1RB#38	20.92	PASS
Band2	15MHz	16QAM	18675	1RB#74	20.90	PASS
Band2	15MHz	16QAM	18675	38RB#0	20.92	PASS
Band2	15MHz	16QAM	18675	38RB#18	20.90	PASS
Band2	15MHz	16QAM	18675	38RB#37	20.88	PASS
Band2	15MHz	16QAM	18675	75RB#0	19.85	PASS
Band2	15MHz	16QAM	18900	1RB#0	20.92	PASS
Band2	15MHz	16QAM	18900	1RB#38	20.69	PASS
Band2	15MHz	16QAM	18900	1RB#74	20.74	PASS
Band2	15MHz	16QAM	18900	38RB#0	20.71	PASS
Band2	15MHz	16QAM	18900	38RB#18	20.91	PASS
Band2	15MHz	16QAM	18900	38RB#37	20.53	PASS
Band2	15MHz	16QAM	18900	75RB#0	19.96	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.69	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.47	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.51	PASS
Band2	15MHz	16QAM	19125	38RB#0	21.85	PASS
Band2	15MHz	16QAM	19125	38RB#18	21.70	PASS
Band2	15MHz	16QAM	19125	38RB#37	21.49	PASS
Band2	15MHz	16QAM	19125	75RB#0	19.77	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.10	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.38	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.06	PASS
Band2	20MHz	QPSK	18700	50RB#0	20.94	PASS
Band2	20MHz	QPSK	18700	50RB#25	20.93	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.10	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.06	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.09	PASS



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Band2	20MHz	QPSK	18900	1RB#49	22.59	PASS
Band2	20MHz	QPSK	18900	1RB#99	21.93	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.05	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.05	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.10	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.08	PASS
Band2	20MHz	QPSK	19100	1RB#0	21.94	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.49	PASS
Band2	20MHz	QPSK	19100	1RB#99	21.80	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.08	PASS
Band2	20MHz	QPSK	19100	50RB#25	21.06	PASS
Band2	20MHz	QPSK	19100	50RB#50	20.95	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.02	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	20.60	PASS
Band2	20MHz	16QAM	18700	1RB#99	20.94	PASS
Band2	20MHz	16QAM	18700	50RB#0	20.94	PASS
Band2	20MHz	16QAM	18700	50RB#25	20.93	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.09	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.06	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.06	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.41	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.03	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.05	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.05	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.11	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.16	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.86	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.90	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.77	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.06	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.06	PASS
Band2	20MHz	16QAM	19100	50RB#50	20.96	PASS
Band2	20MHz	16QAM	19100	100RB#0	19.99	PASS



Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	3.71	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	4.26	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	4.26	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	4.81	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	4.17	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	4.81	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	4.49	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.01	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	5.25	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	5.65	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	5.19	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.59	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	3.62	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	4.35	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	4.35	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	4.90	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	8.46	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	4.93	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	4.49	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	5.16	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	5.30	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	5.71	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.30	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	5.77	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	3.71	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.41	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	4.41	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.93	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	4.55	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.04	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	4.58	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	5.16	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	5.22	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	5.74	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	5.42	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	5.88	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	4.55	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.19	13	PASS



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Band2	10MHz	QPSK	18900	1RB#0	4.58	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.10	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	4.67	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.04	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	5.36	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.12	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	5.48	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	5.97	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	5.62	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	5.97	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	4.58	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.30	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.64	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.19	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	4.90	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.22	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	5.33	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.12	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	5.57	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.03	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	5.94	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.03	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	4.61	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.07	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	4.72	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.01	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	4.75	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.07	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	5.65	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.03	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.83	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.94	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	5.62	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.03	13	PASS

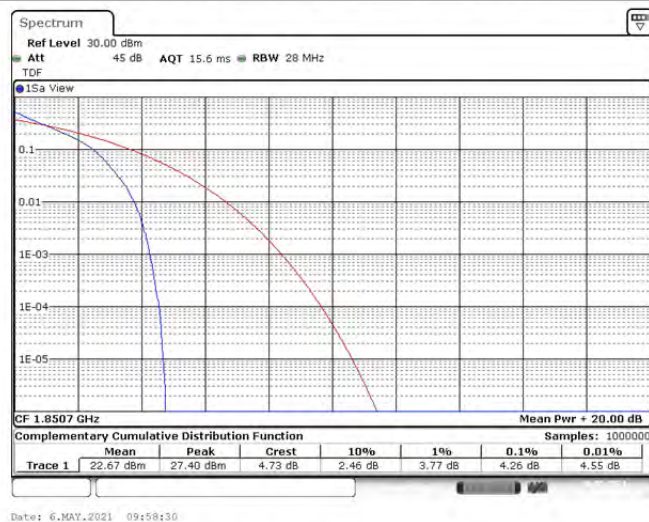


Test Graphs

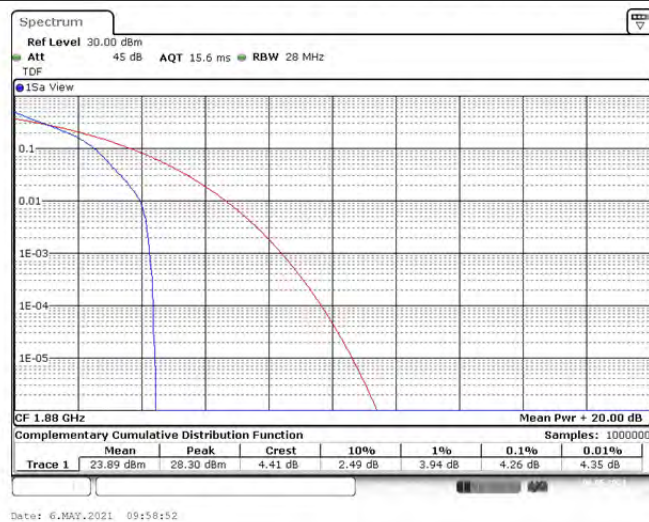
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Band2-1.4MHz-QPSK-18607-6RB#0

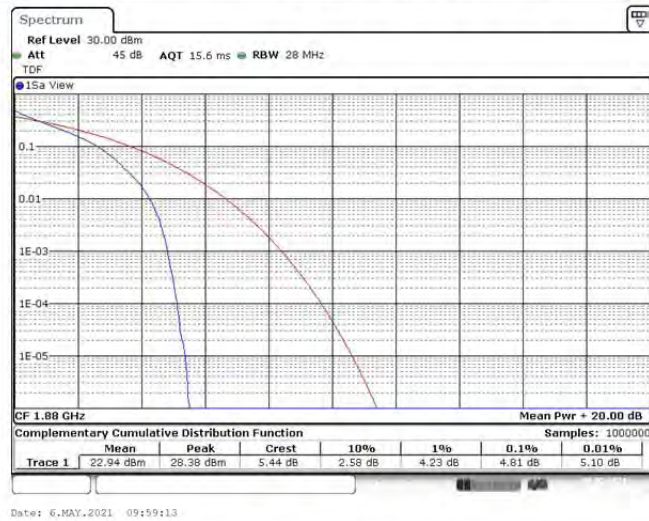


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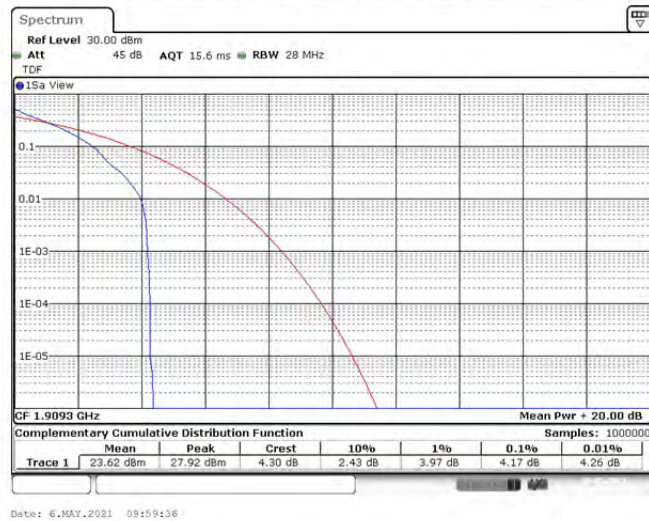




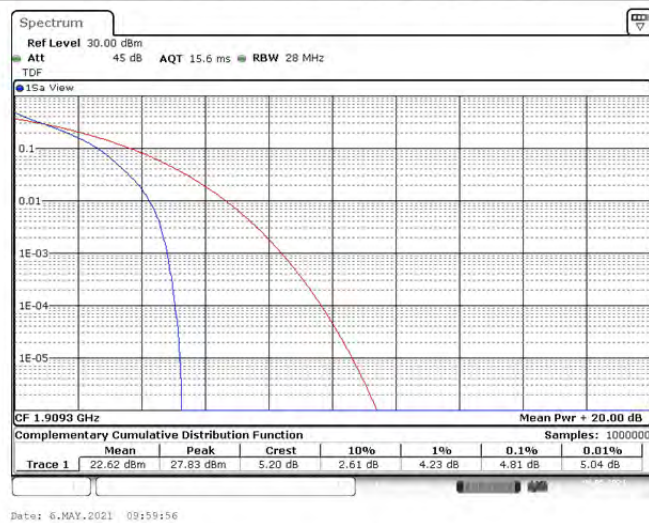
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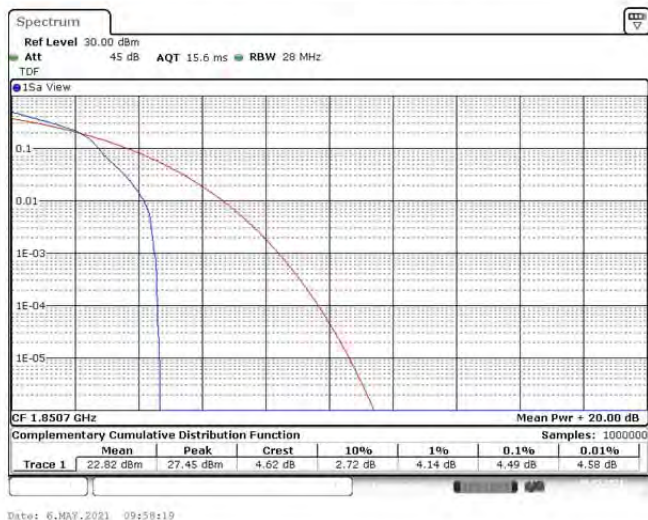
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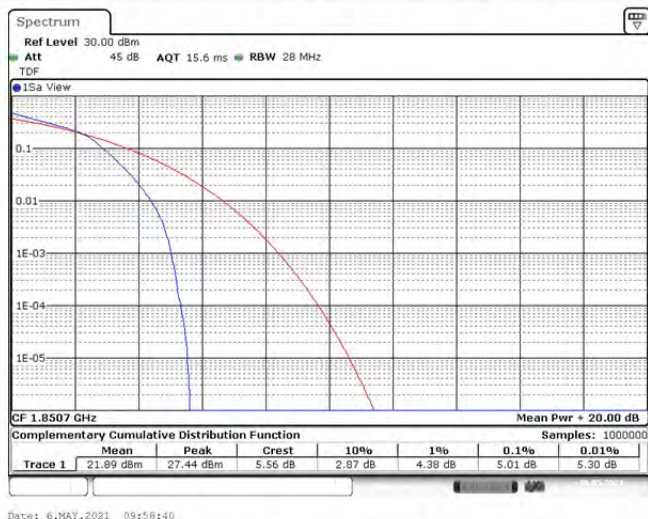
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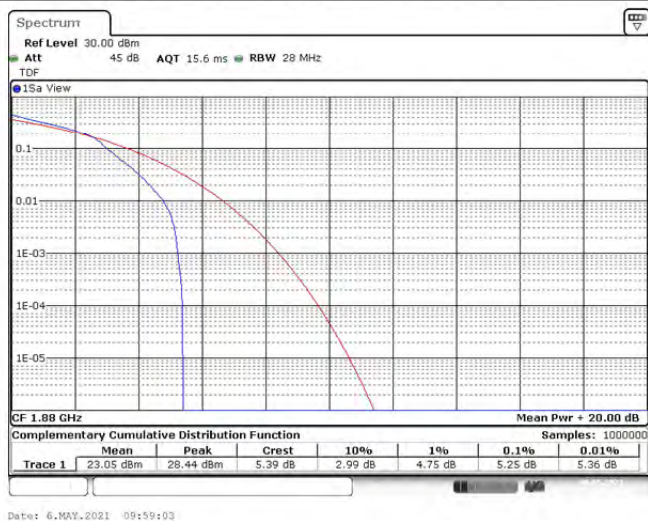
Band2-1.4MHz-16QAM-18607-1RB#0



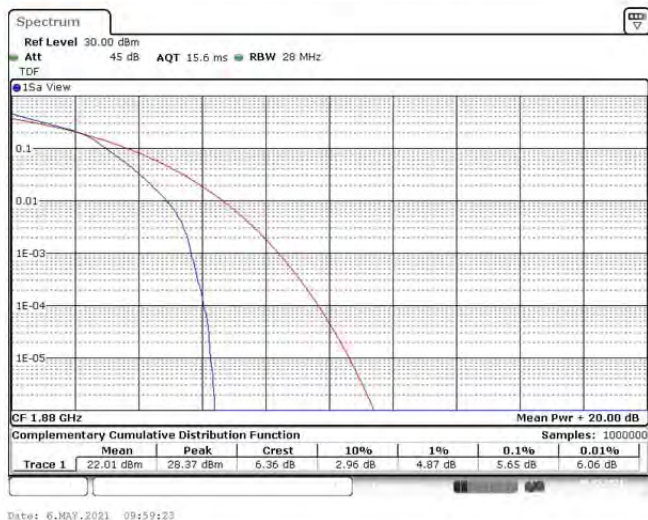
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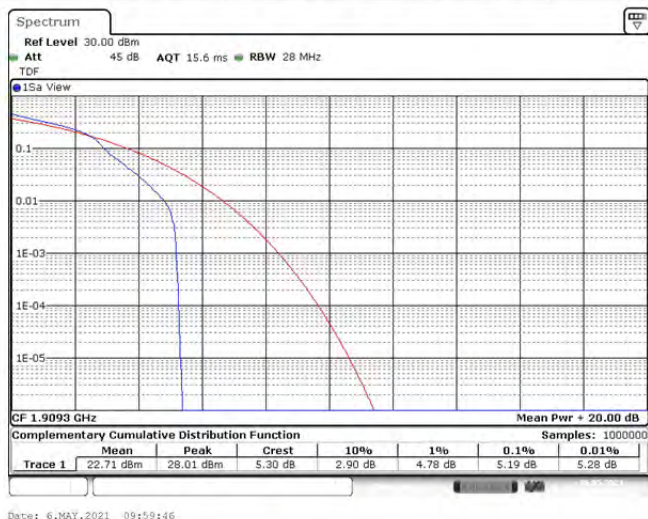
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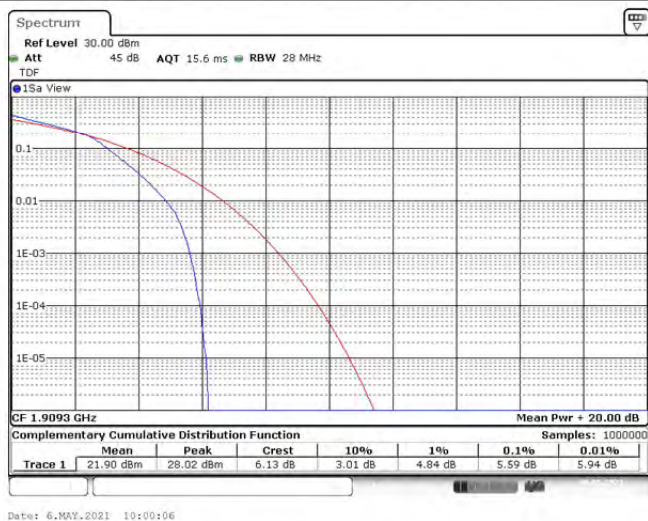
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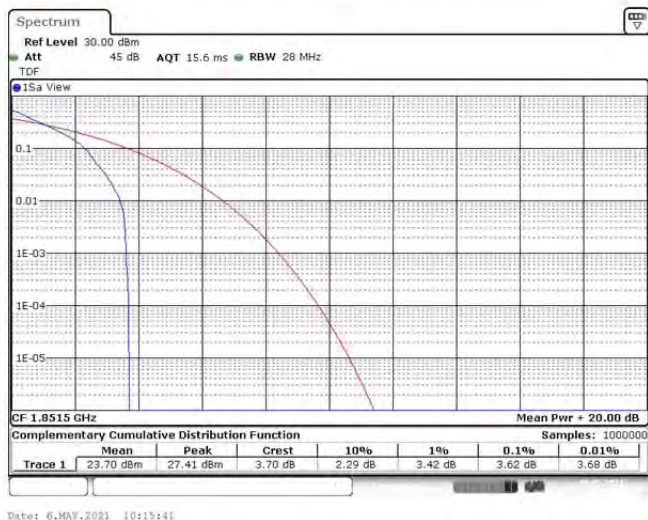
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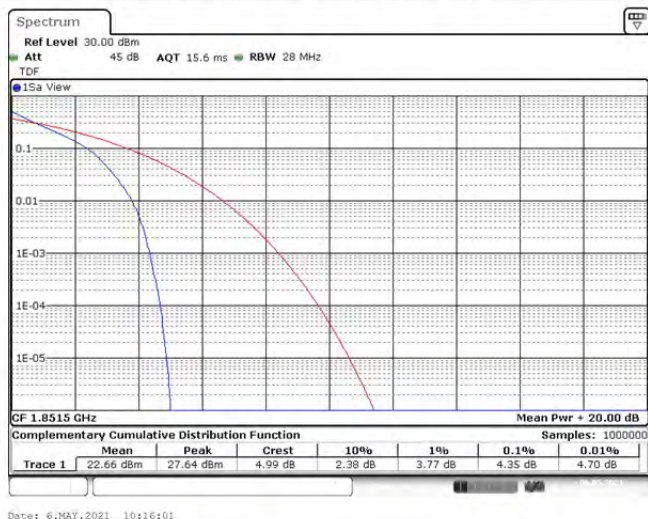
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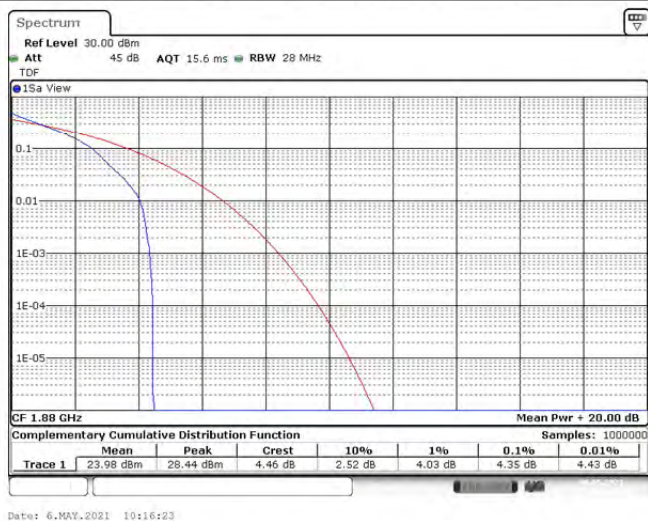
Band2-3MHz-QPSK-18615-1RB#0



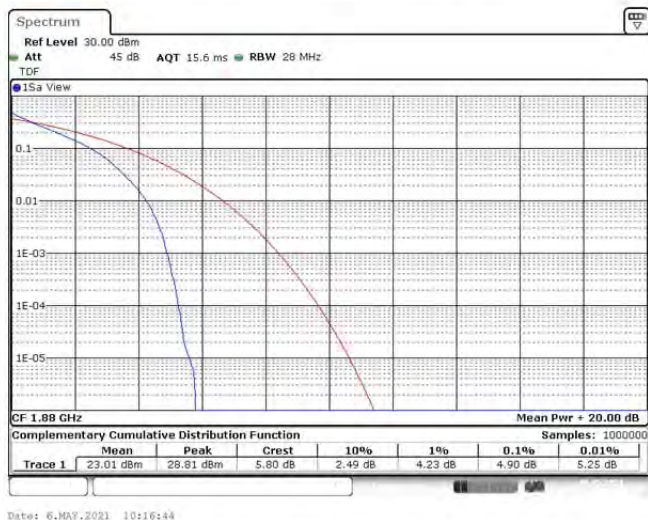
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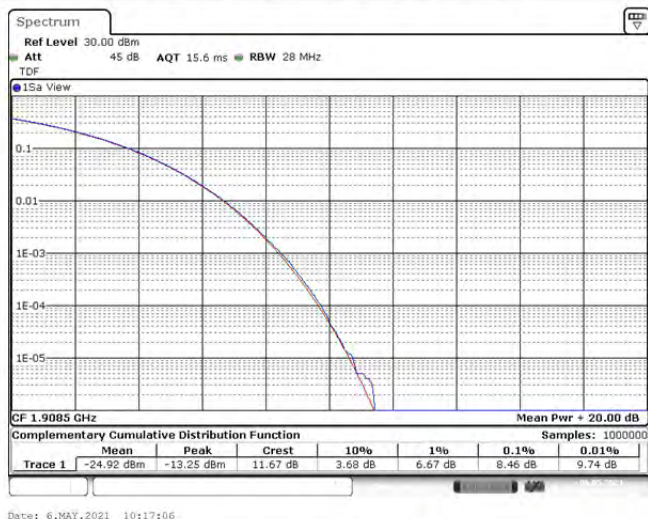
Band2-3MHz-QPSK-18900-1RB#0



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



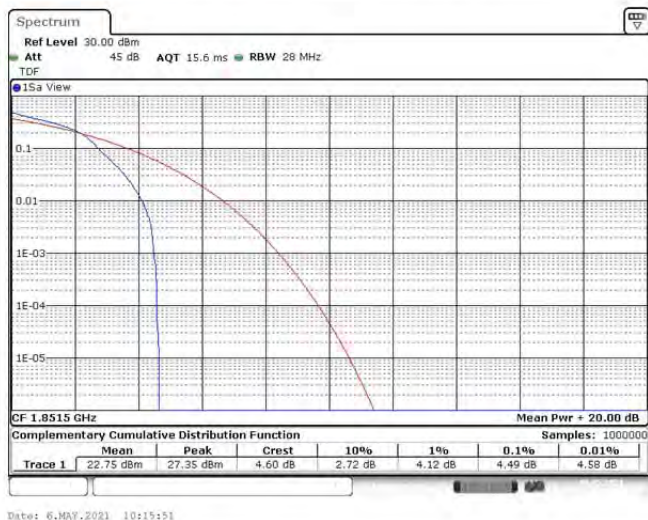
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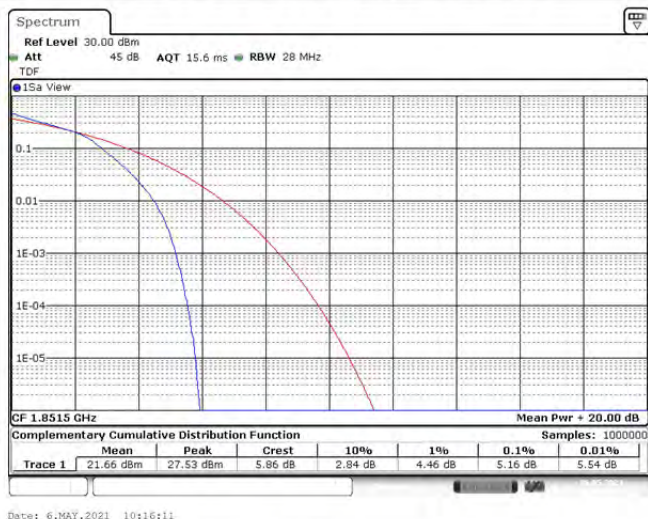
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Band2-3MHz-16QAM-18615-1RB#0



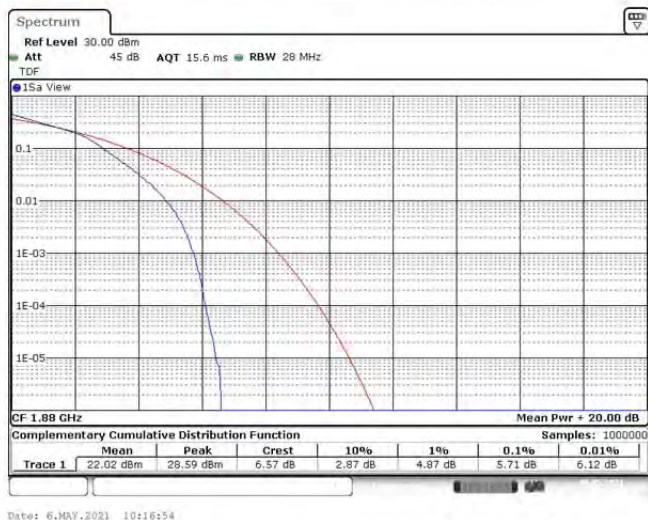
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Band2-3MHz-16QAM-18900-1RB#0



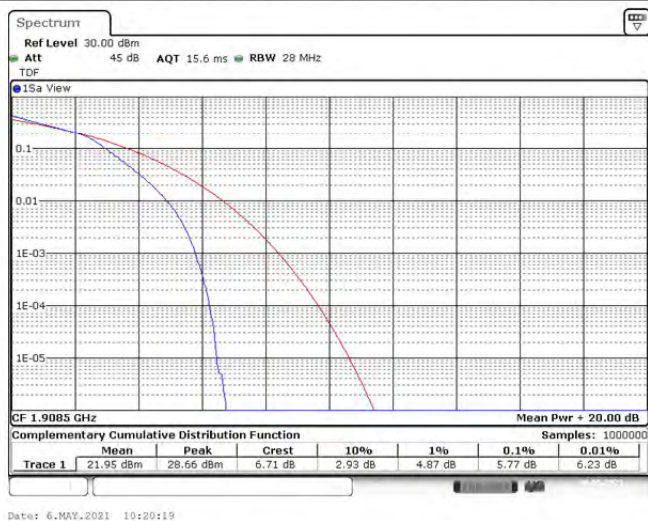
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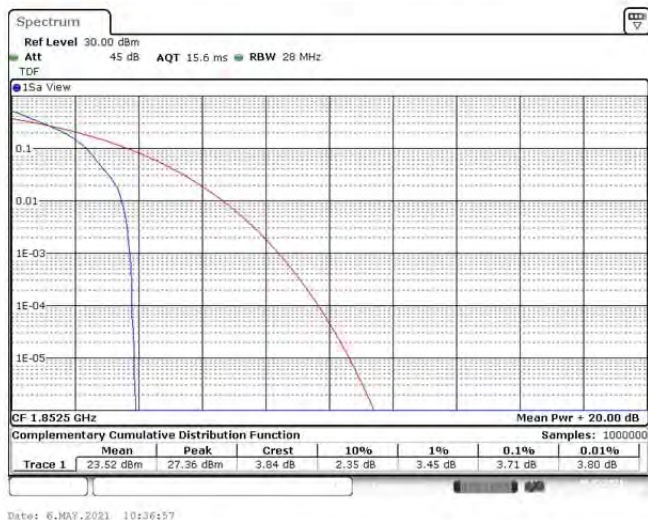
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Band2-3MHz-16QAM-19185-15RB#0



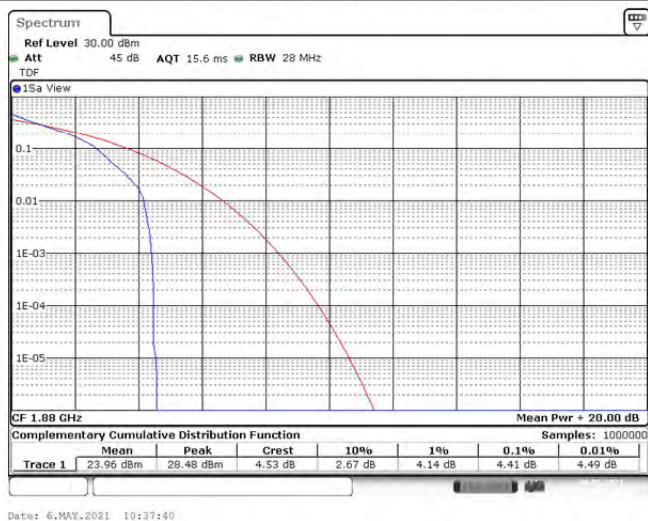
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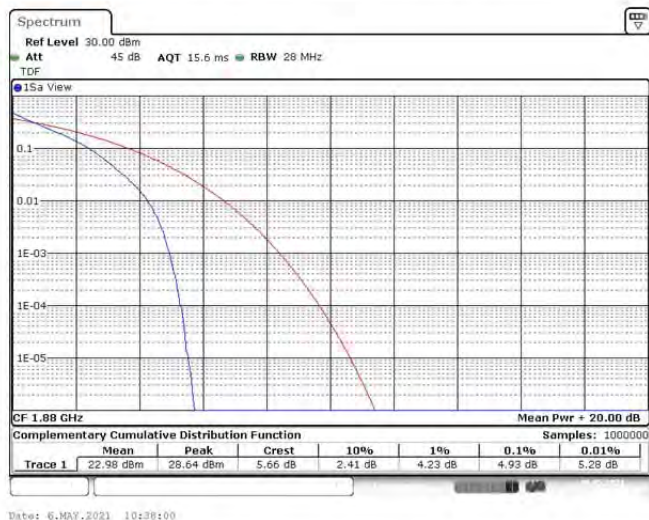
Band2-5MHz-QPSK-18625-25RB#0



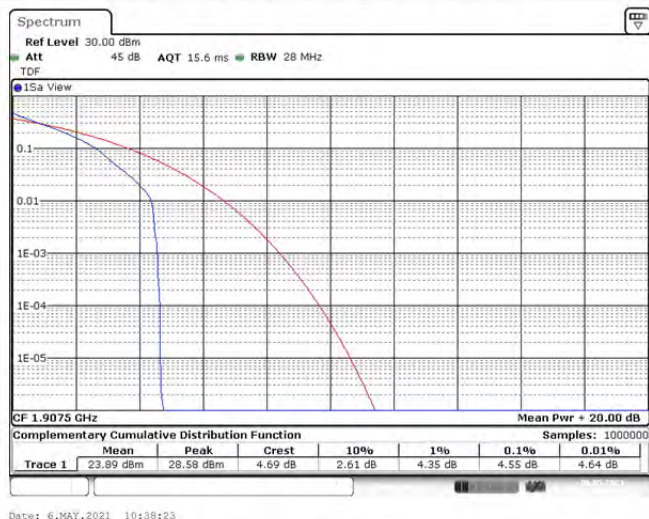
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Band2-5MHz-QPSK-18900-25RB#0



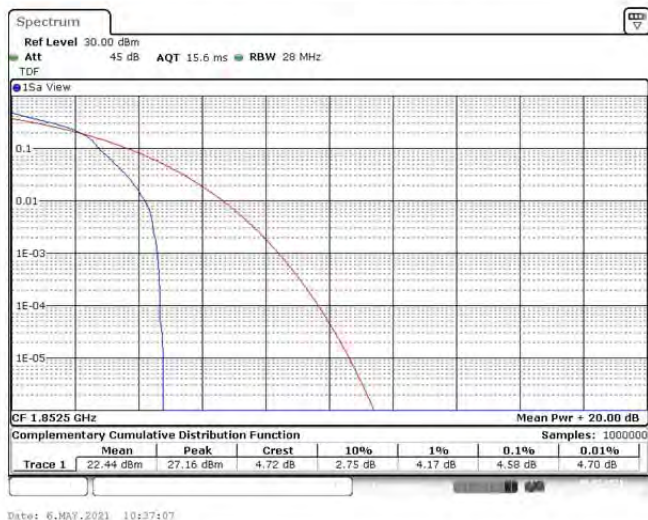
Band2-5MHz-QPSK-19175-1RB#0



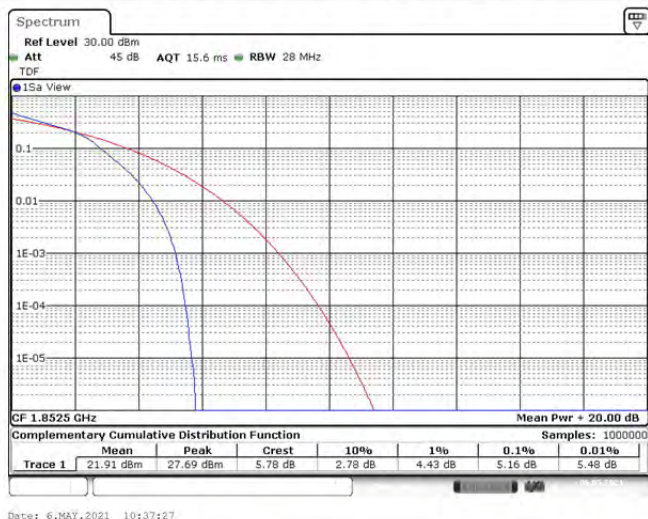
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Band2-5MHz-16QAM-18625-1RB#0



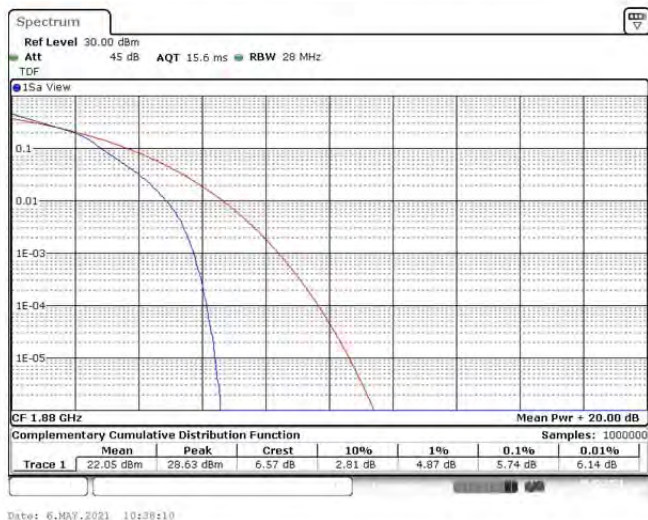
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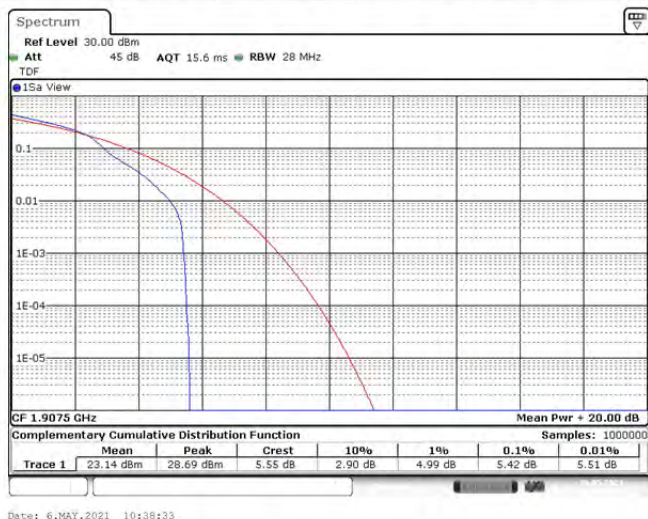
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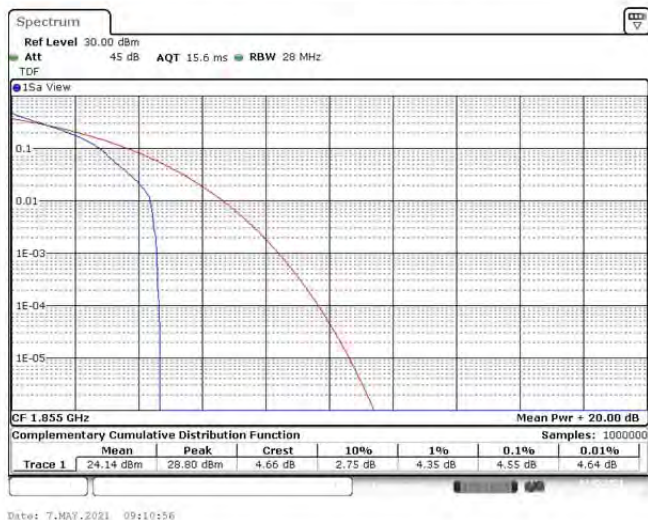
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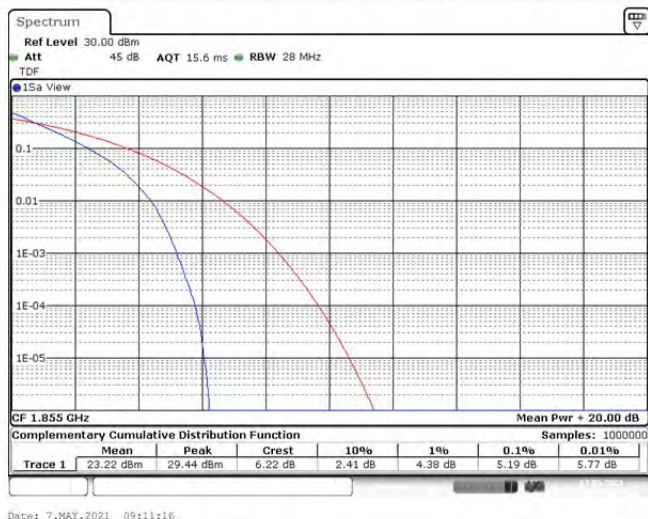
Band2-5MHz-16QAM-19175-25RB#0



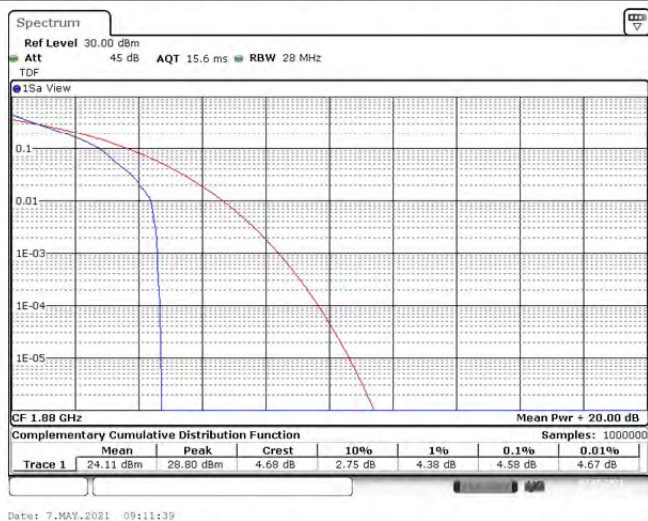
Band2-10MHz-QPSK-18650-1RB#0



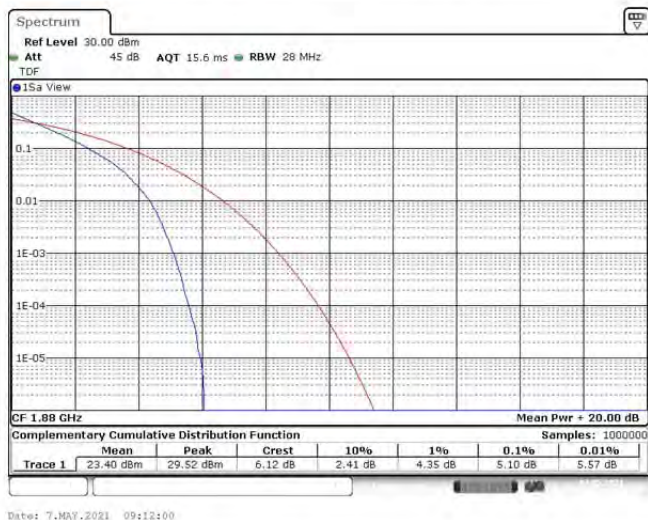
Band2-10MHz-QPSK-18650-50RB#0



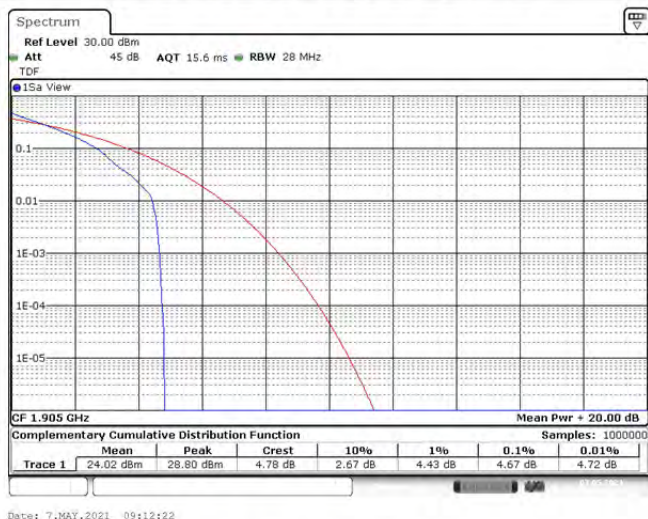
Band2-10MHz-QPSK-18900-1RB#0



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



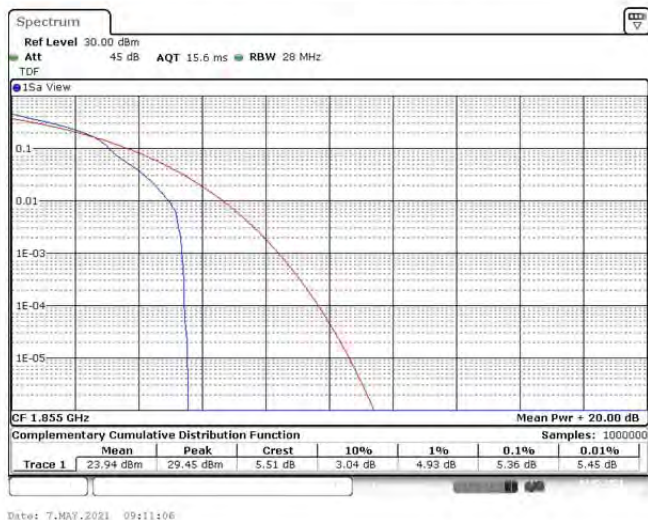
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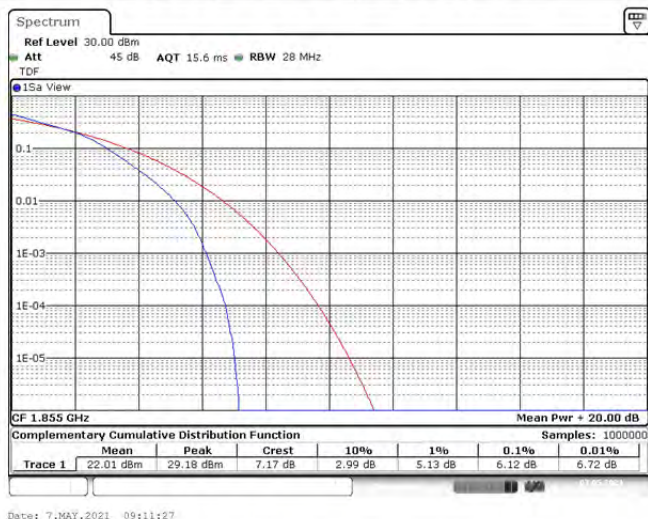
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Band2-10MHz-16QAM-18650-1RB#0



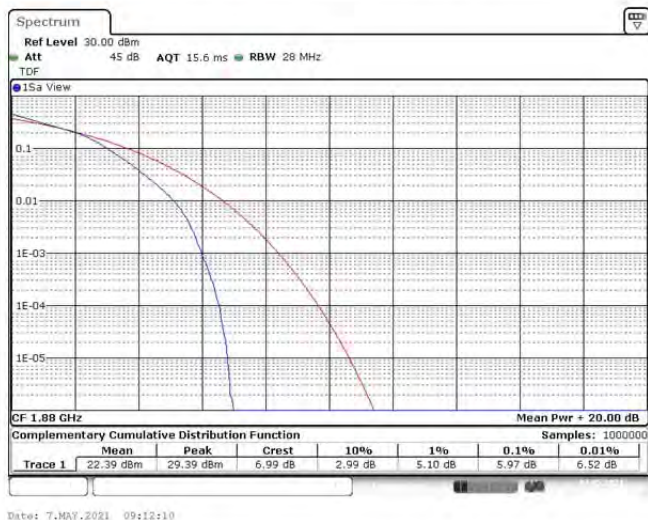
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Band2-10MHz-16QAM-18900-1RB#0



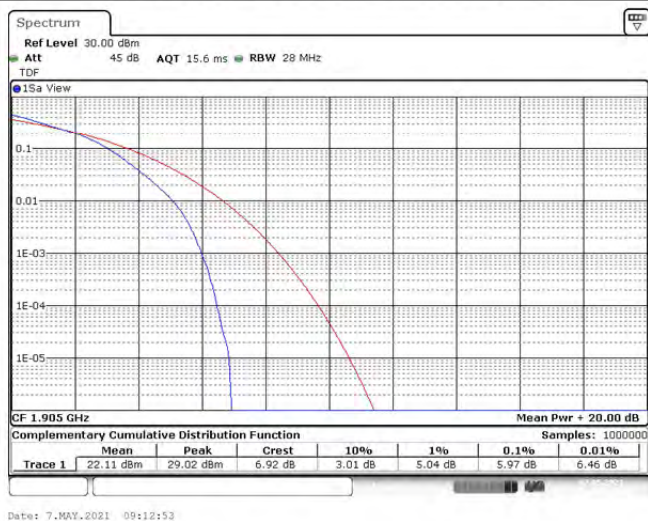
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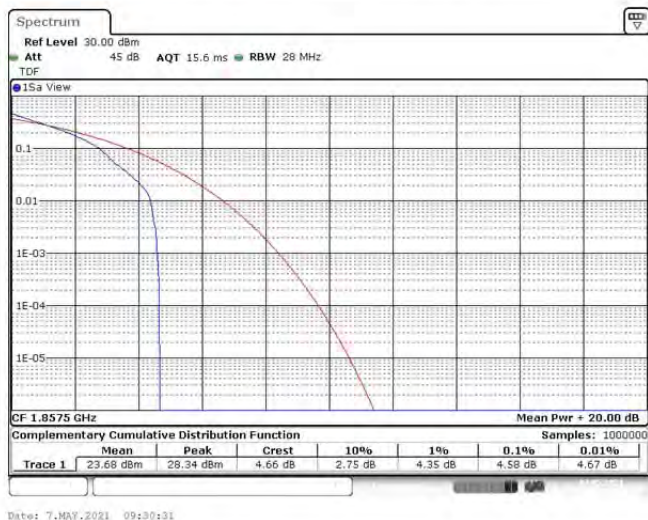
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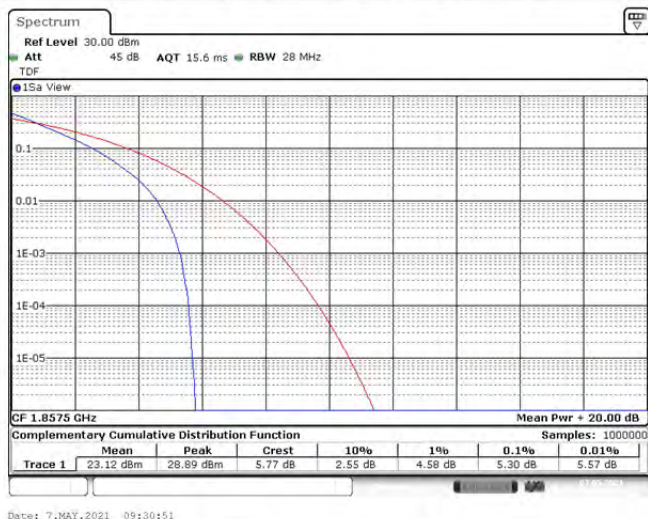
Band2-10MHz-16QAM-19150-50RB#0



Band2-15MHz-QPSK-18675-1RB#0



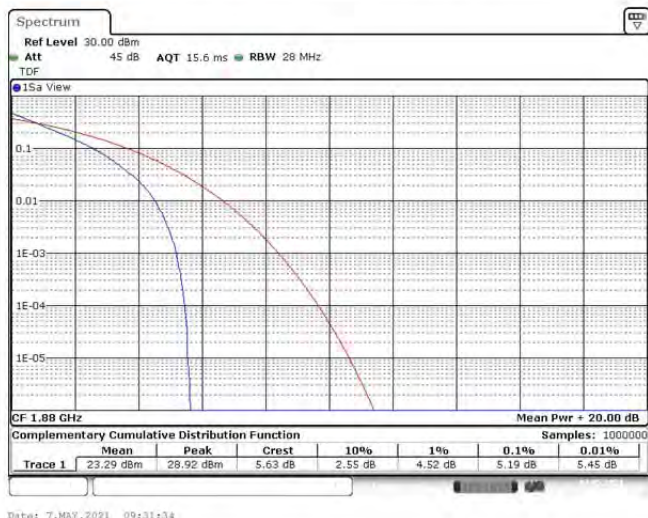
Band2-15MHz-QPSK-18675-75RB#0



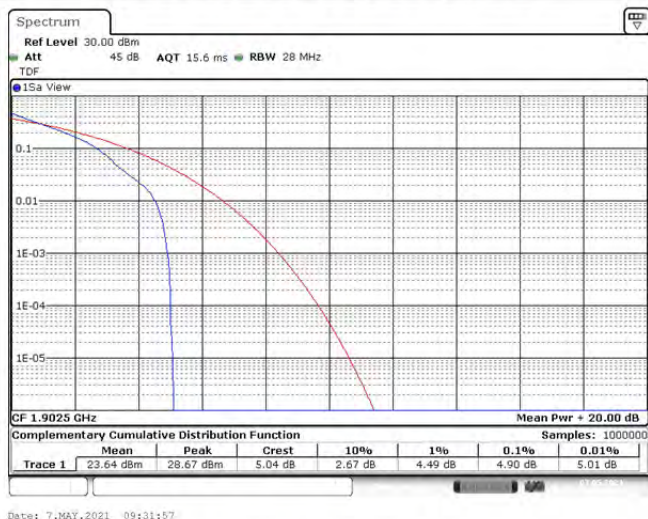
Band2-15MHz-QPSK-18900-1RB#0



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



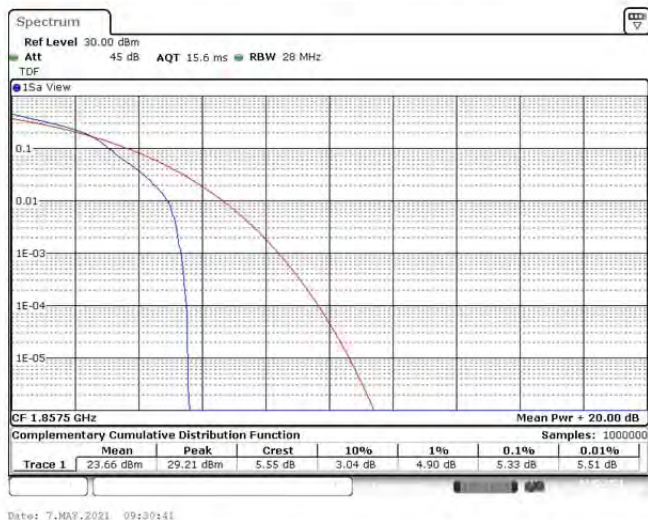
Band2-15MHz-QPSK-19125-1RB#0



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



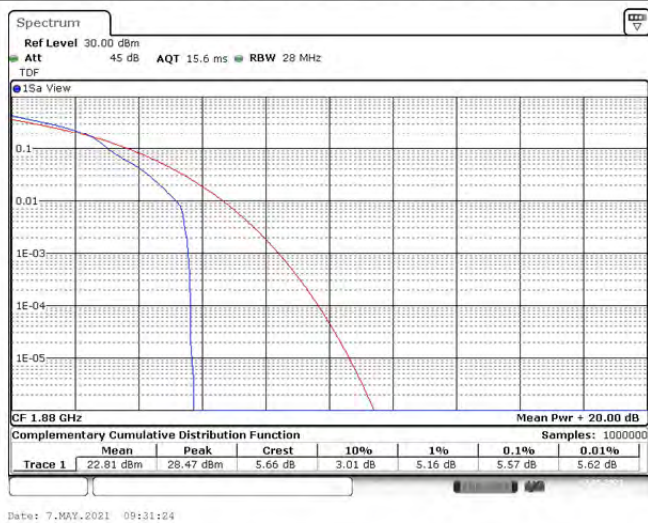
Band2-15MHz-16QAM-18675-1RB#0



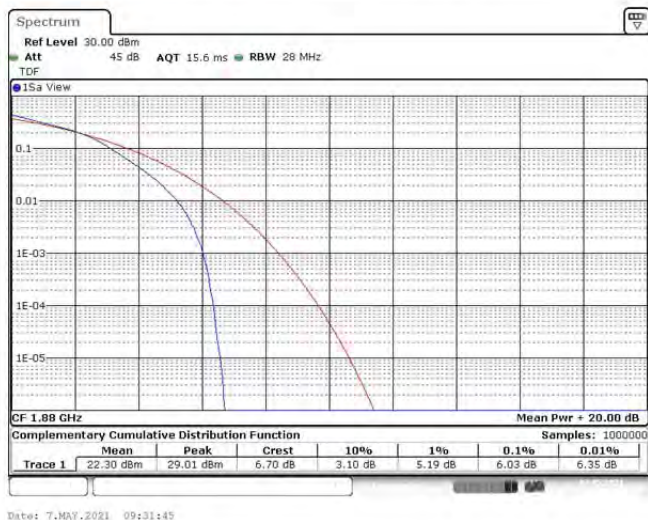
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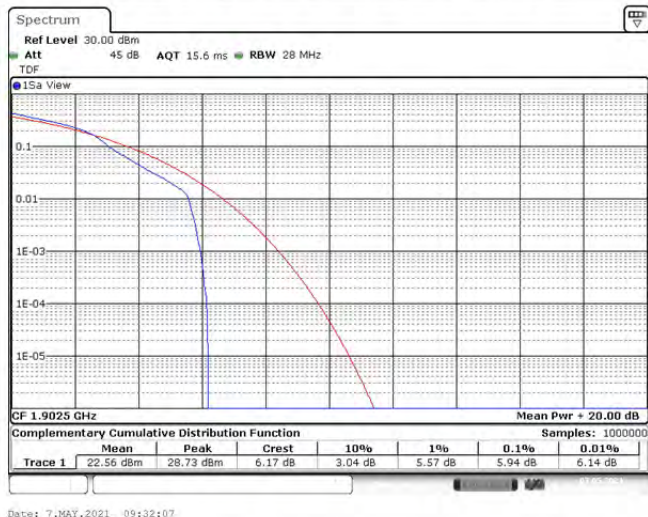
Band2-15MHz-16QAM-18900-1RB#0



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



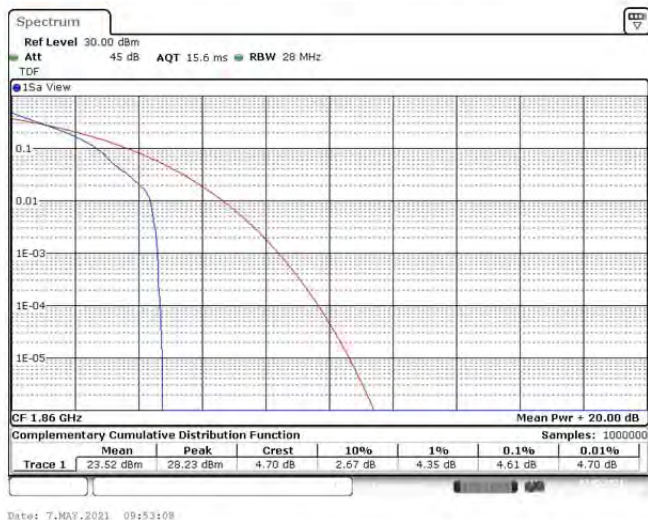
Band2-15MHz-16QAM-19125-1RB#0



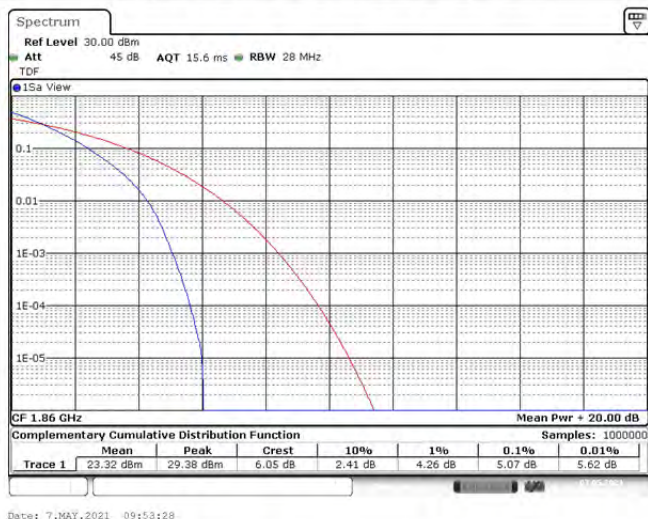
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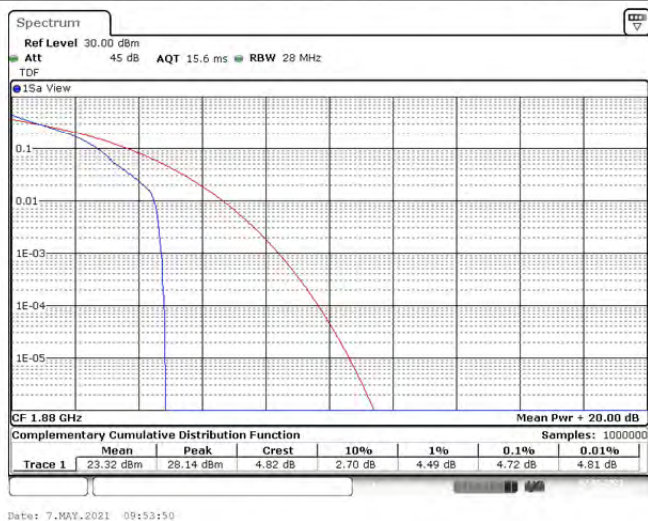
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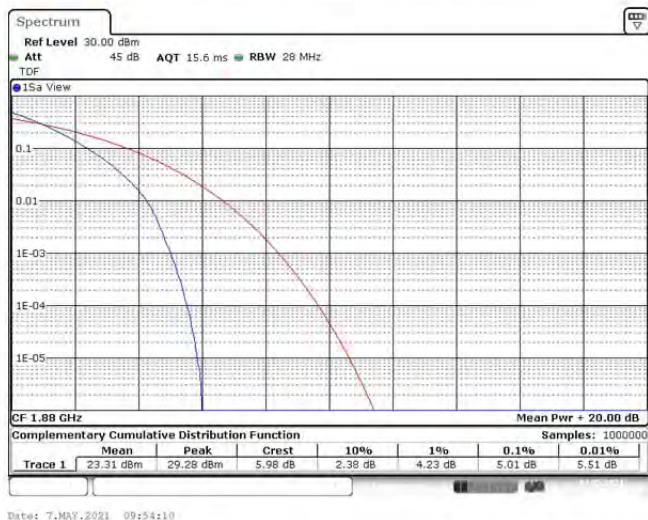
Band2-20MHz-QPSK-18700-100RB#0



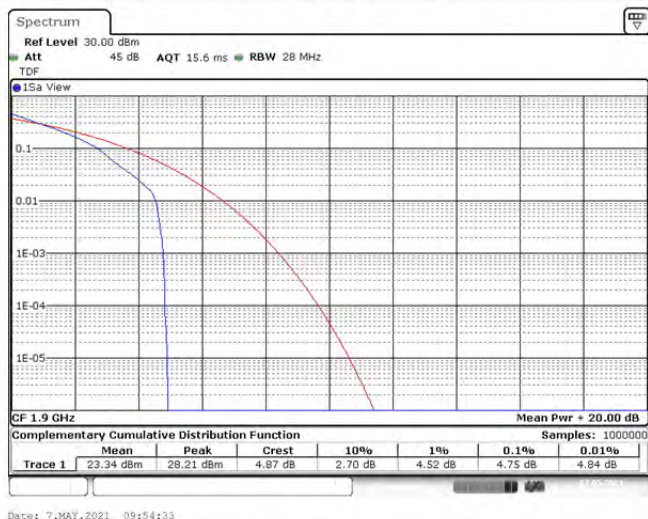
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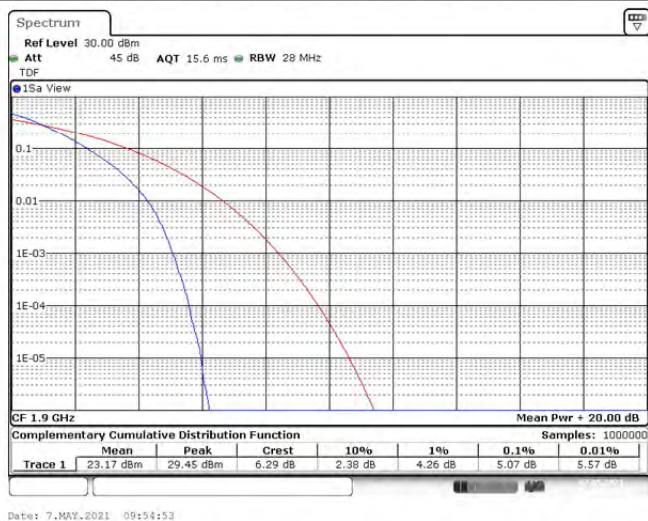
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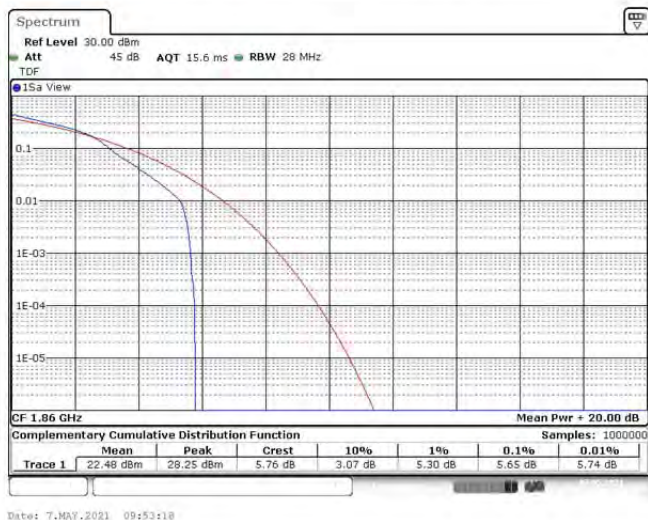
Band2-20MHz-QPSK-19100-1RB#0



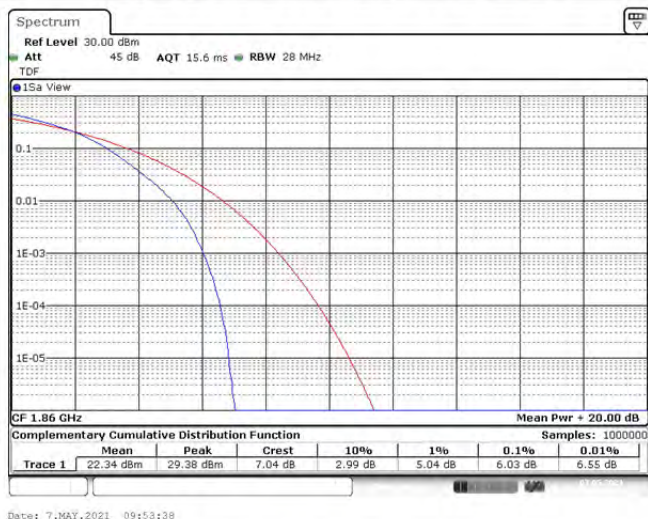
Band2-20MHz-QPSK-19100-100RB#0



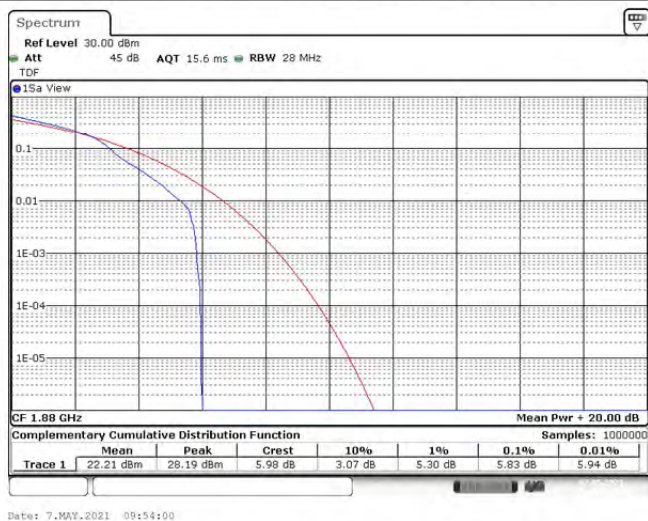
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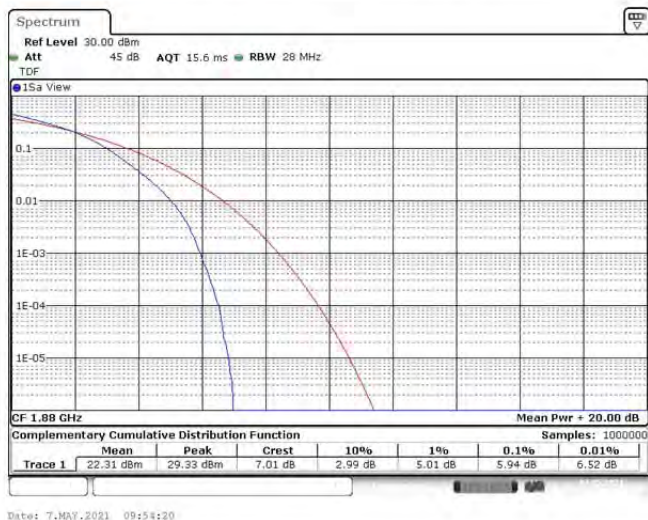
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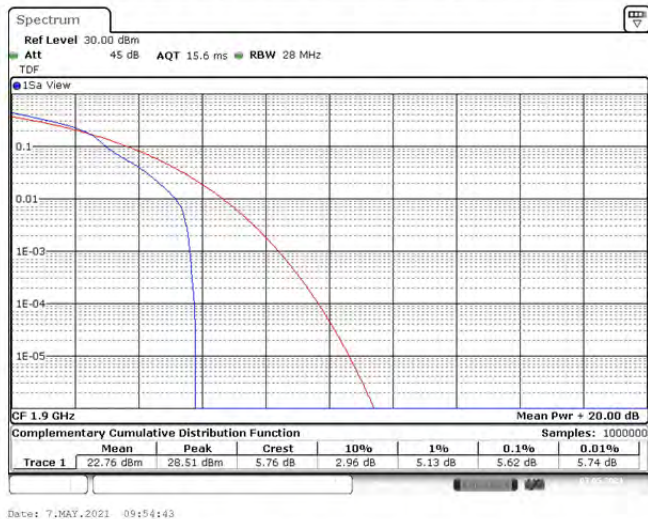
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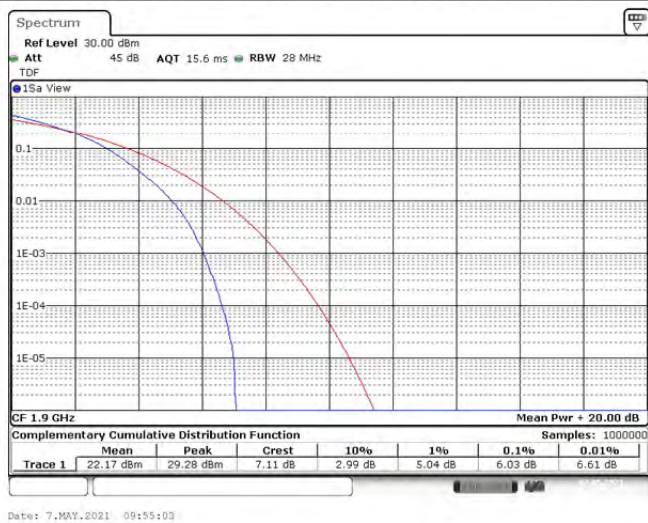
Band2-20MHz-16QAM-18900-100RB#0



Band2-20MHz-16QAM-19100-1RB#0



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





Appendix C: 26dB Bandwidth and Occupied Bandwidth

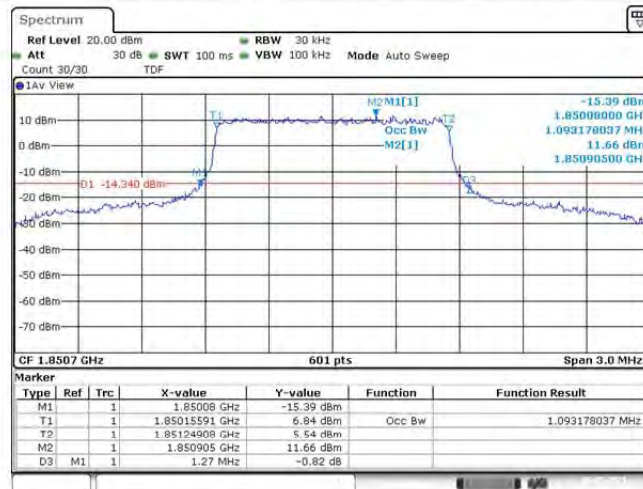
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.093	1.270	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.088	1.245	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.088	1.245	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.088	1.255	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.088	1.245	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.088	1.225	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.696	2.900	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.705	2.880	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.705	2.870	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.696	2.890	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.696	2.880	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.696	2.870	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.505	4.820	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.496	4.800	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.496	4.800	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.505	4.810	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.515	4.790	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.505	4.780	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.952	9.533	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.952	9.533	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.918	9.533	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.952	9.533	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.985	9.533	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.918	9.533	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.378	14.300	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.378	14.300	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.378	14.300	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.378	14.300	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.378	14.300	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.378	14.300	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.970	19.333	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.970	19.267	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.970	19.333	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.970	19.333	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.970	19.333	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.970	19.333	PASS



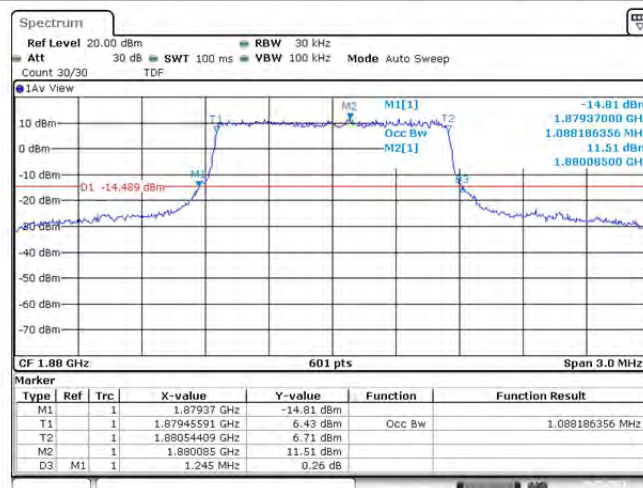
Test Graphs

Band2-1.4MHz-QPSK-18607-6RB#0-1.093



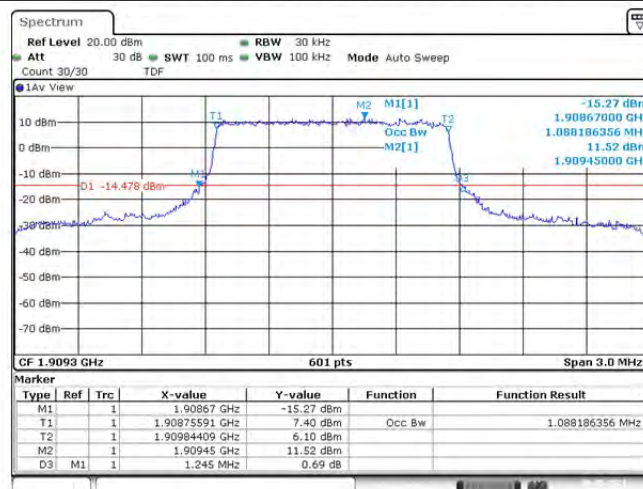
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Band2-1.4MHz-QPSK-18900-6RB#0-1.088



Date: 6.MAY.2021 09:51:51

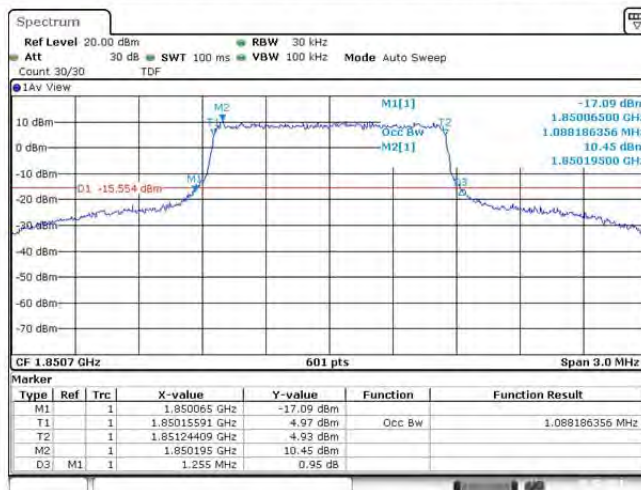
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Date: 6.MAY.2021 09:52:17

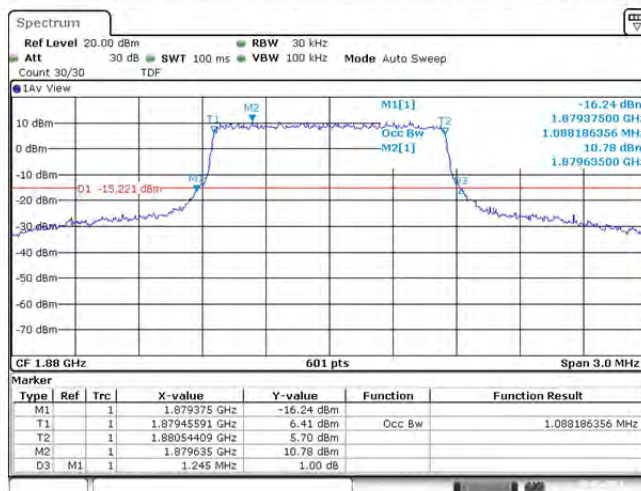


Band2-1.4MHz-16QAM-18607-6RB#0-1.088



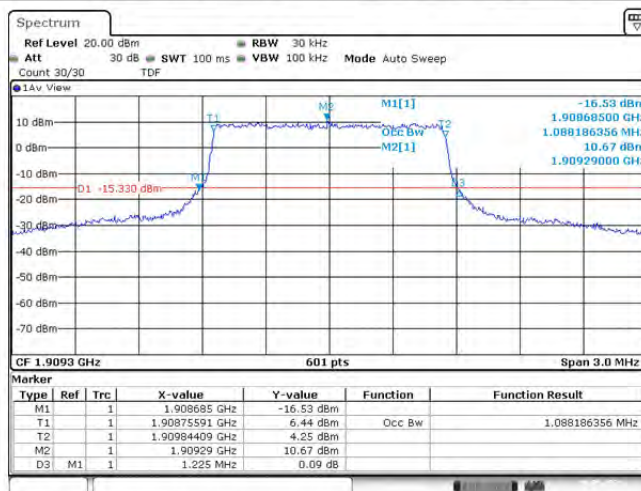
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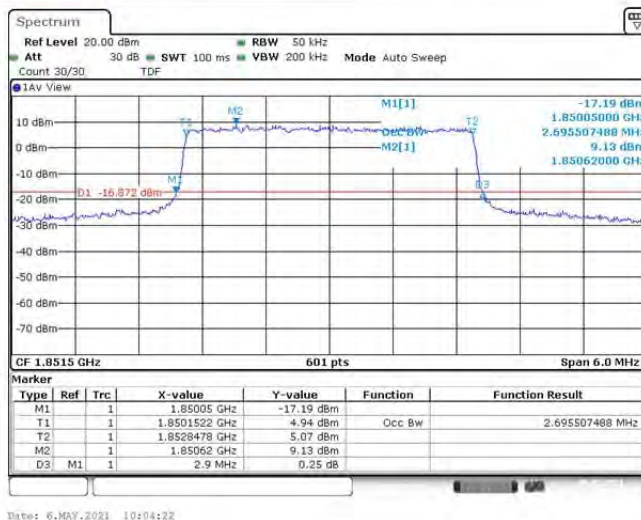
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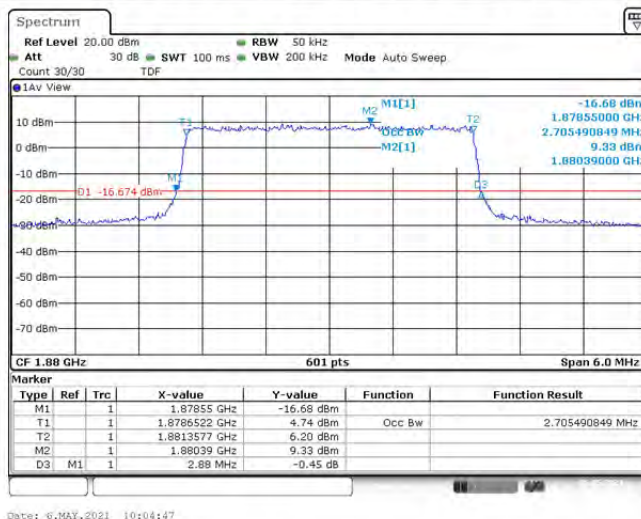


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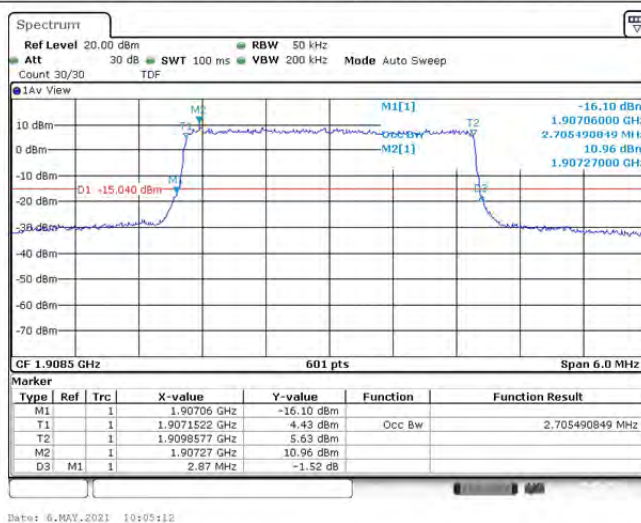
Band2-3MHz-QPSK-18615-15RB#0-2.696



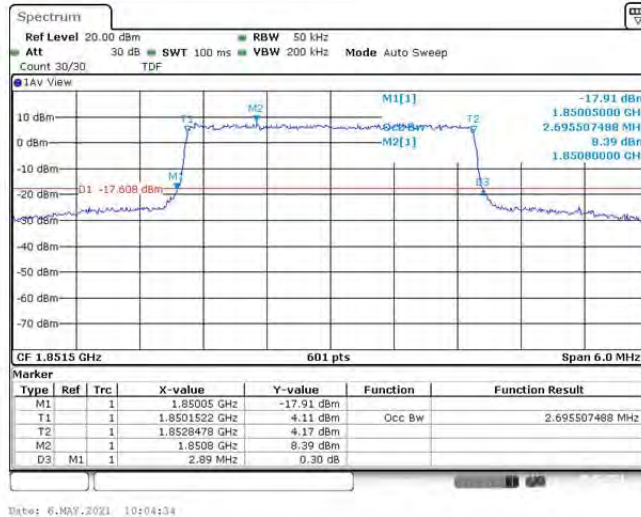
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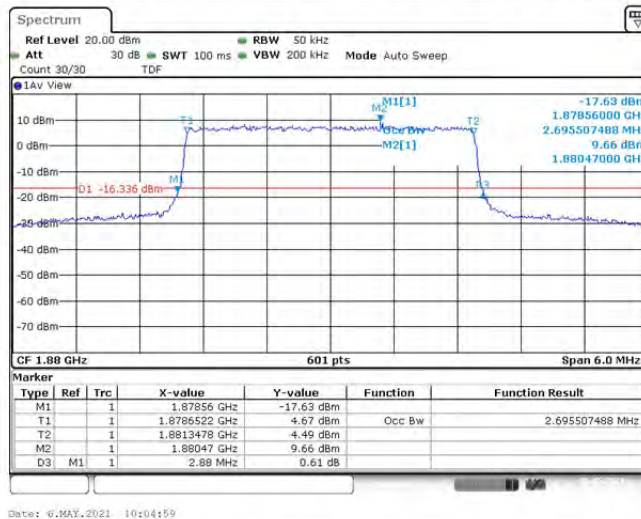
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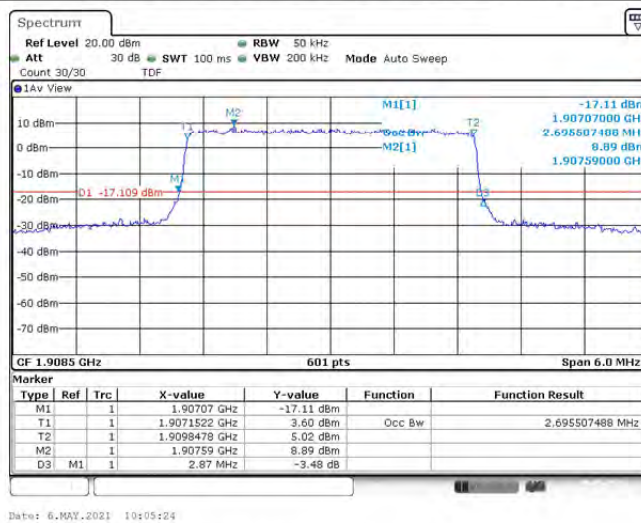
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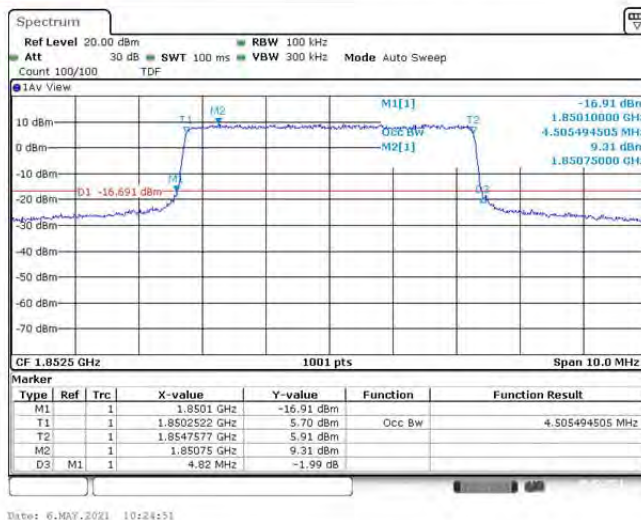
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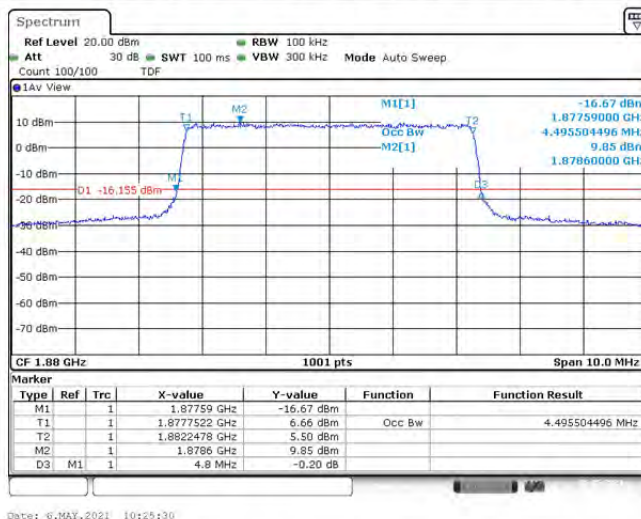
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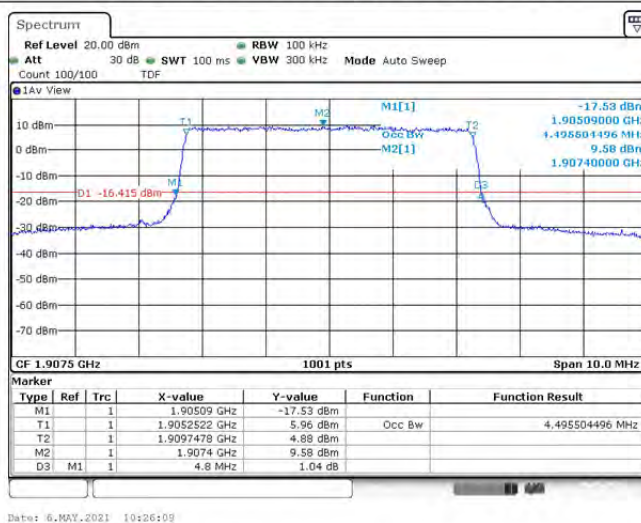
Band2-5MHz-QPSK-18625-25RB#0-4.505



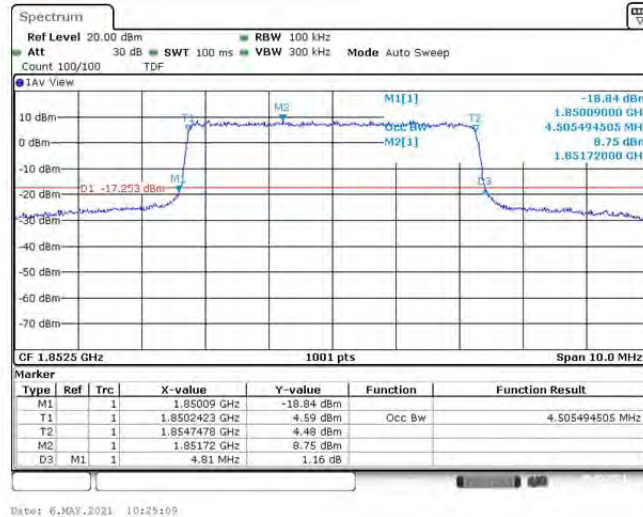
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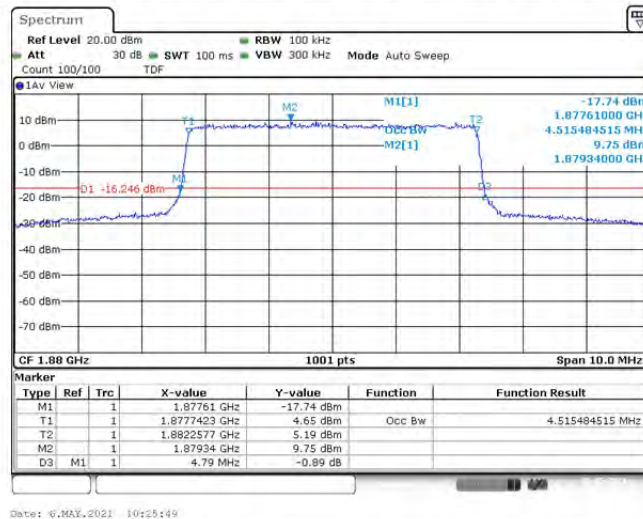
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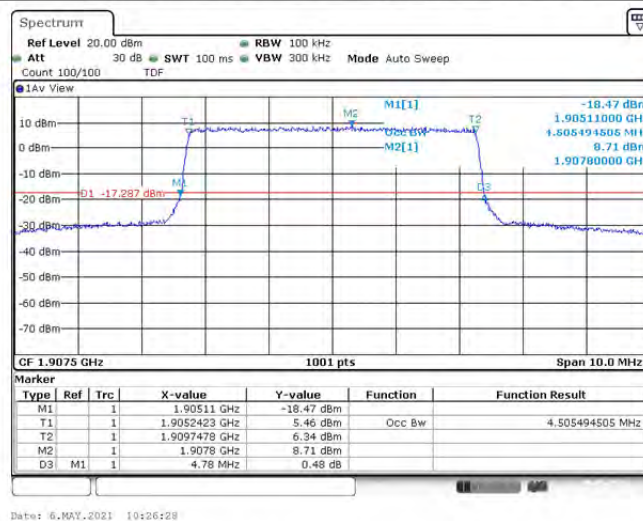
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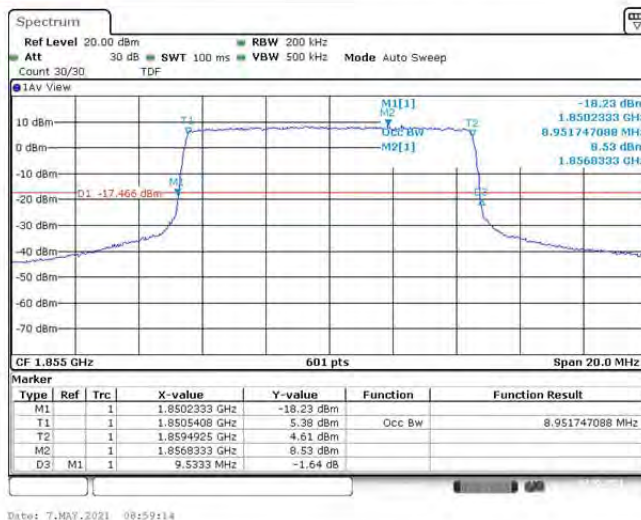
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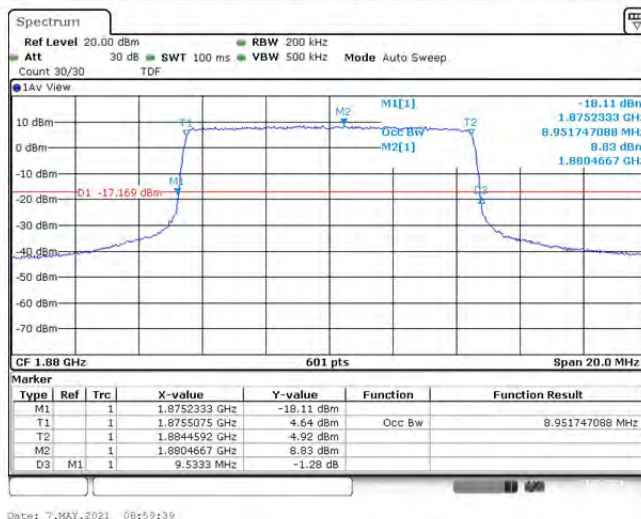
Band2-5MHz-16QAM-19175-25RB#0-4.505



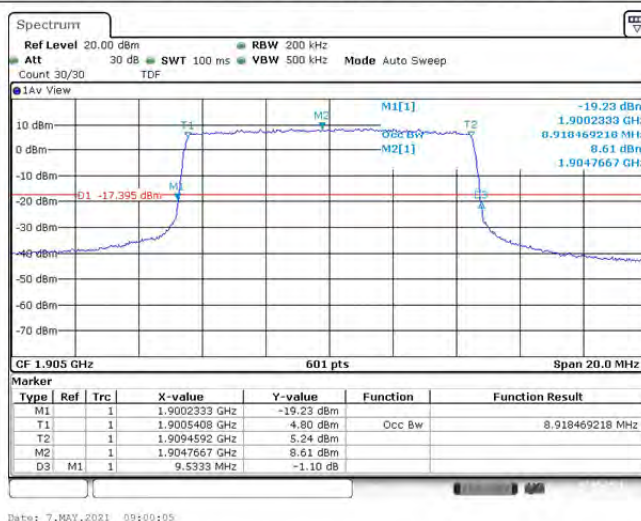
Band2-10MHz-QPSK-18650-50RB#0-8.952



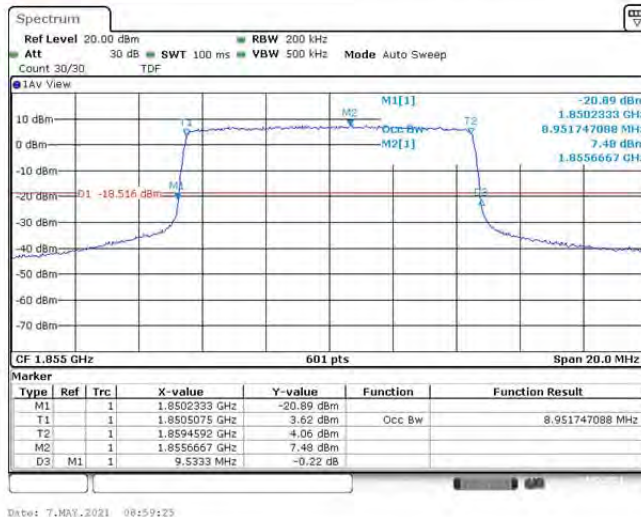
Band2-10MHz-QPSK-18900-50RB#0-8.952



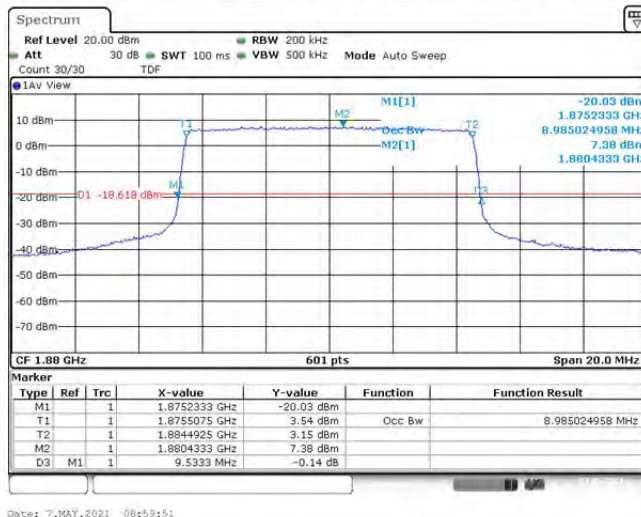
Band2-10MHz-QPSK-19150-50RB#0-8.918



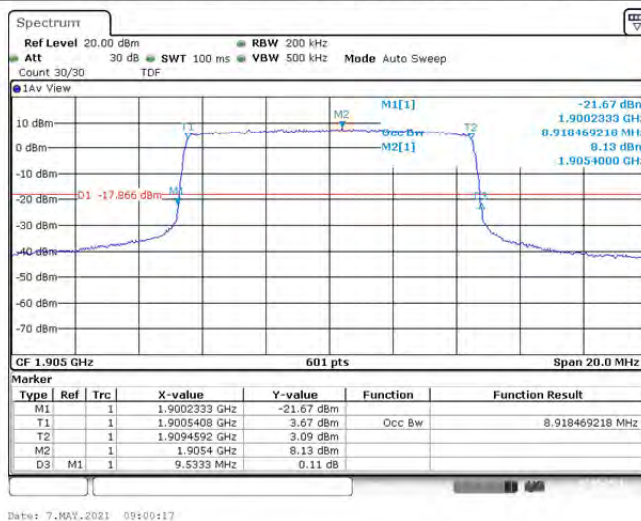
Band2-10MHz-16QAM-18650-50RB#0-8.952



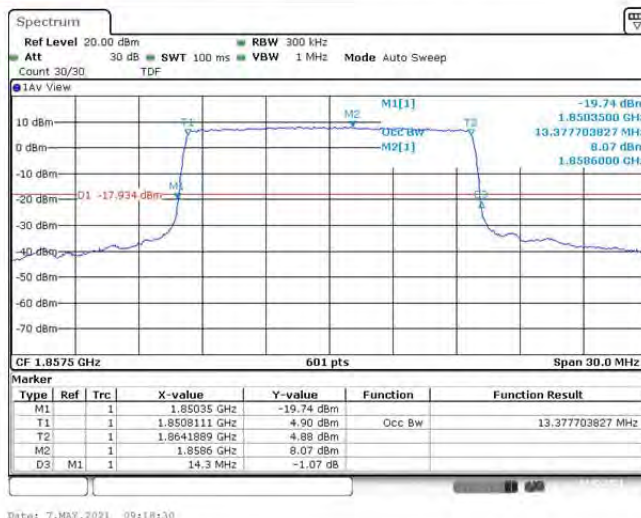
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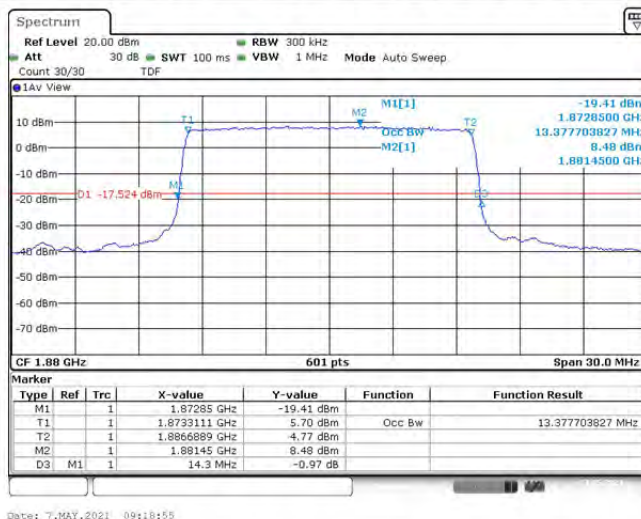
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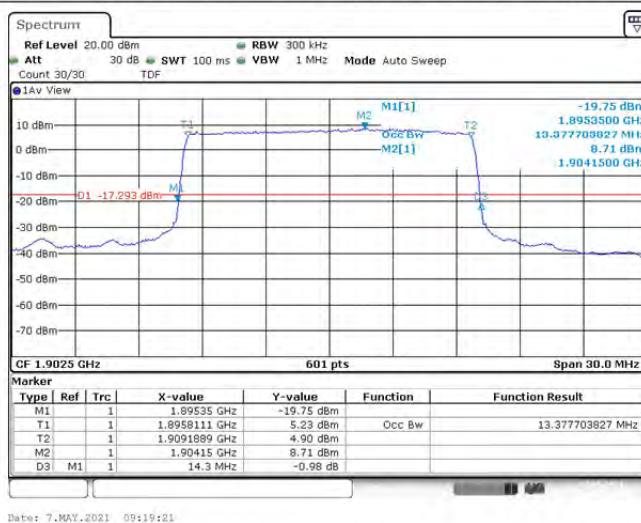
Band2-15MHz-QPSK-18675-75RB#0-13.378



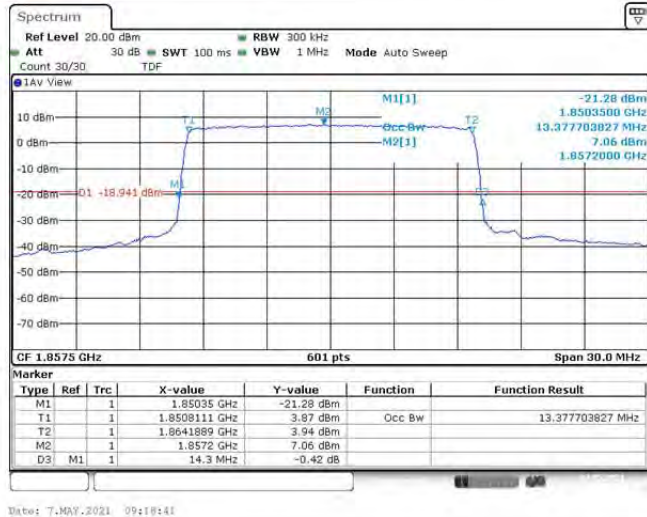
Band2-15MHz-QPSK-18900-75RB#0-13.378



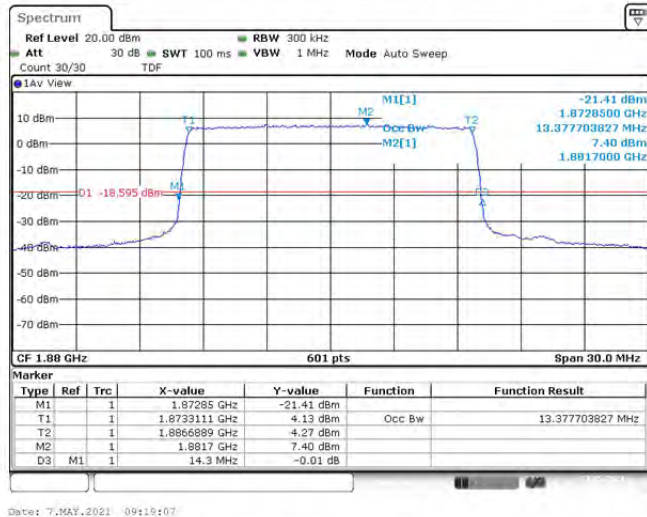
Band2-15MHz-QPSK-19125-75RB#0-13.378



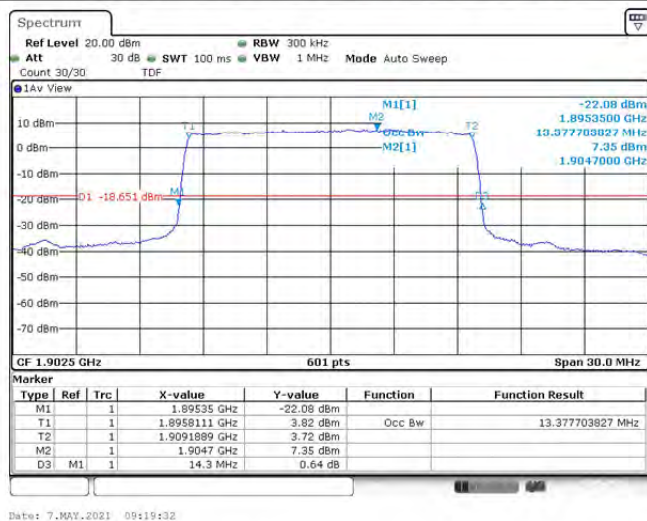
Band2-15MHz-16QAM-18675-75RB#0-13.378



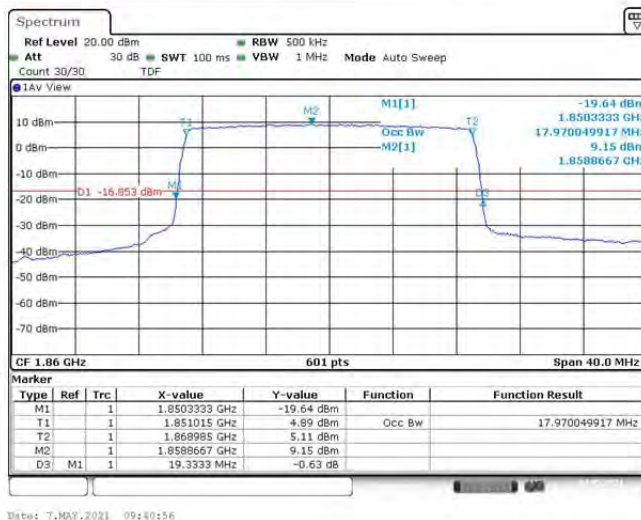
Band2-15MHz-16QAM-18900-75RB#0-13.378



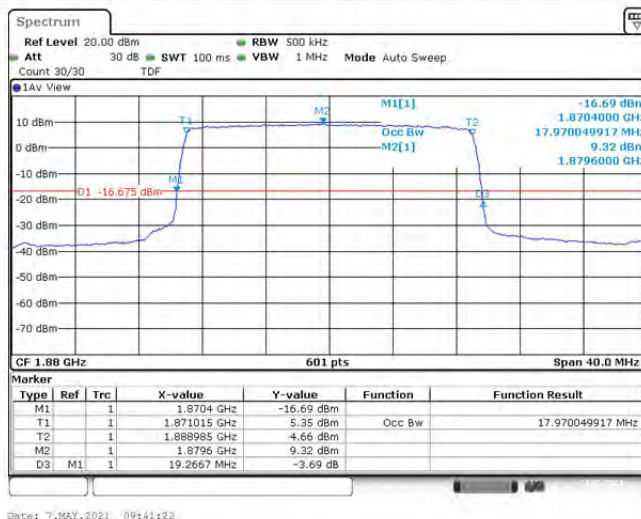
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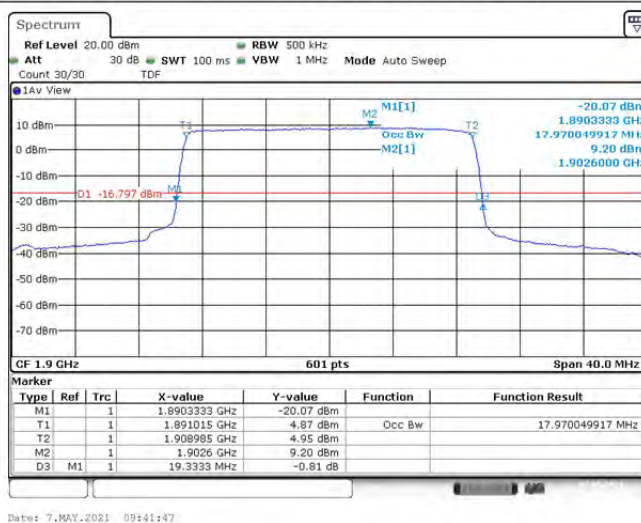
Band2-20MHz-QPSK-18700-100RB#0-17.97



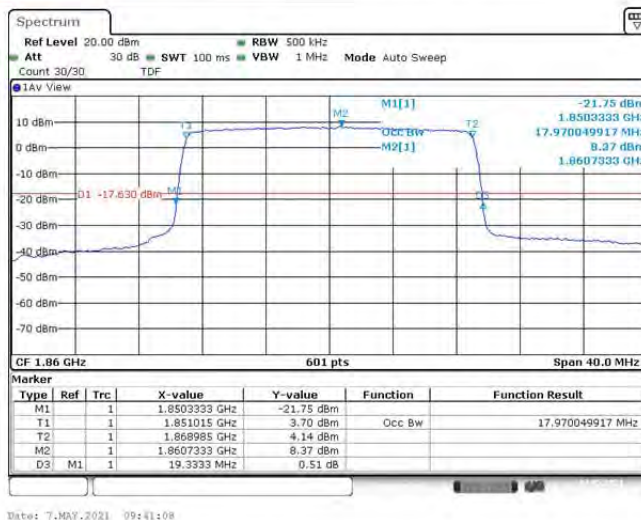
Band2-20MHz-QPSK-18900-100RB#0-17.97



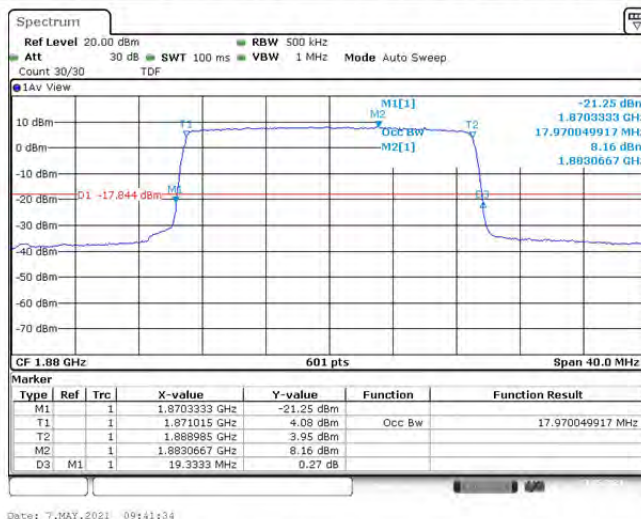
Band2-20MHz-QPSK-18700-100RB#0-17.97



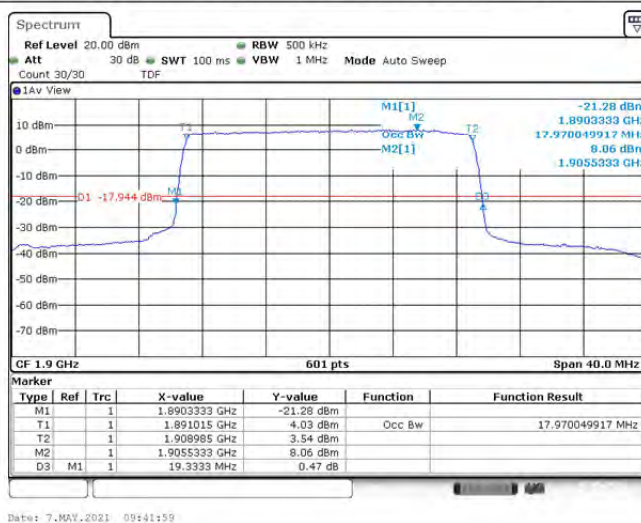
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Band2-20MHz-16QAM-18900-100RB#0-17.97



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





Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-21.97	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	-38.03	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-22.80	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	-39.36	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-23.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-26.06	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-23.12	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	-41.71	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-24.46	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	-40.32	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-24.84	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-26.15	PASS
Band2	3MHz	QPSK	18615	1RB#0	-17.65	PASS
Band2	3MHz	QPSK	18615	1RB#14	-44.33	PASS
Band2	3MHz	QPSK	18615	15RB#0	-23.66	PASS
Band2	3MHz	QPSK	19185	1RB#0	-45.81	PASS
Band2	3MHz	QPSK	19185	1RB#14	-19.92	PASS
Band2	3MHz	QPSK	19185	15RB#0	-26.96	PASS
Band2	3MHz	16QAM	18615	1RB#0	-19.58	PASS
Band2	3MHz	16QAM	18615	1RB#14	-45.76	PASS
Band2	3MHz	16QAM	18615	15RB#0	-24.48	PASS
Band2	3MHz	16QAM	19185	1RB#0	-45.72	PASS
Band2	3MHz	16QAM	19185	1RB#14	-20.32	PASS
Band2	3MHz	16QAM	19185	15RB#0	-27.26	PASS
Band2	5MHz	QPSK	18625	1RB#0	-20.90	PASS
Band2	5MHz	QPSK	18625	1RB#24	-51.97	PASS
Band2	5MHz	QPSK	18625	25RB#0	-24.07	PASS
Band2	5MHz	QPSK	19175	1RB#0	-51.41	PASS
Band2	5MHz	QPSK	19175	1RB#24	-21.48	PASS
Band2	5MHz	QPSK	19175	25RB#0	-27.98	PASS
Band2	5MHz	16QAM	18625	1RB#0	-22.65	PASS
Band2	5MHz	16QAM	18625	1RB#24	-51.09	PASS
Band2	5MHz	16QAM	18625	25RB#0	-25.48	PASS
Band2	5MHz	16QAM	19175	1RB#0	-51.73	PASS
Band2	5MHz	16QAM	19175	1RB#24	-21.08	PASS
Band2	5MHz	16QAM	19175	25RB#0	-28.15	PASS
Band2	10MHz	QPSK	18650	1RB#0	-30.72	PASS
Band2	10MHz	QPSK	18650	1RB#49	-49.41	PASS



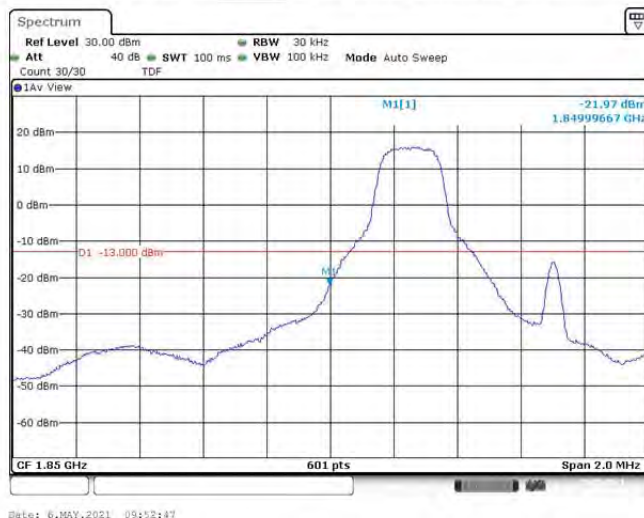
CTC Laboratories, Inc.

Band2	10MHz	QPSK	18650	50RB#0	-31.09	PASS
Band2	10MHz	QPSK	19150	1RB#0	-49.72	PASS
Band2	10MHz	QPSK	19150	1RB#49	-30.35	PASS
Band2	10MHz	QPSK	19150	50RB#0	-31.88	PASS
Band2	10MHz	16QAM	18650	1RB#0	-31.42	PASS
Band2	10MHz	16QAM	18650	1RB#49	-50.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	-32.54	PASS
Band2	10MHz	16QAM	19150	1RB#0	-49.96	PASS
Band2	10MHz	16QAM	19150	1RB#49	-31.33	PASS
Band2	10MHz	16QAM	19150	50RB#0	-32.78	PASS
Band2	15MHz	QPSK	18675	1RB#0	-30.54	PASS
Band2	15MHz	QPSK	18675	1RB#74	-48.90	PASS
Band2	15MHz	QPSK	18675	75RB#0	-32.73	PASS
Band2	15MHz	QPSK	19125	1RB#0	-48.64	PASS
Band2	15MHz	QPSK	19125	1RB#74	-30.76	PASS
Band2	15MHz	QPSK	19125	75RB#0	-32.97	PASS
Band2	15MHz	16QAM	18675	1RB#0	-31.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	-49.17	PASS
Band2	15MHz	16QAM	18675	75RB#0	-34.41	PASS
Band2	15MHz	16QAM	19125	1RB#0	-48.75	PASS
Band2	15MHz	16QAM	19125	1RB#74	-31.82	PASS
Band2	15MHz	16QAM	19125	75RB#0	-34.34	PASS
Band2	20MHz	QPSK	18700	1RB#0	-26.96	PASS
Band2	20MHz	QPSK	18700	1RB#99	-47.53	PASS
Band2	20MHz	QPSK	18700	100RB#0	-31.72	PASS
Band2	20MHz	QPSK	19100	1RB#0	-47.58	PASS
Band2	20MHz	QPSK	19100	1RB#99	-26.84	PASS
Band2	20MHz	QPSK	19100	100RB#0	-31.55	PASS
Band2	20MHz	16QAM	18700	1RB#0	-27.89	PASS
Band2	20MHz	16QAM	18700	1RB#99	-47.74	PASS
Band2	20MHz	16QAM	18700	100RB#0	-32.52	PASS
Band2	20MHz	16QAM	19100	1RB#0	-47.63	PASS
Band2	20MHz	16QAM	19100	1RB#99	-27.30	PASS
Band2	20MHz	16QAM	19100	100RB#0	-33.06	PASS

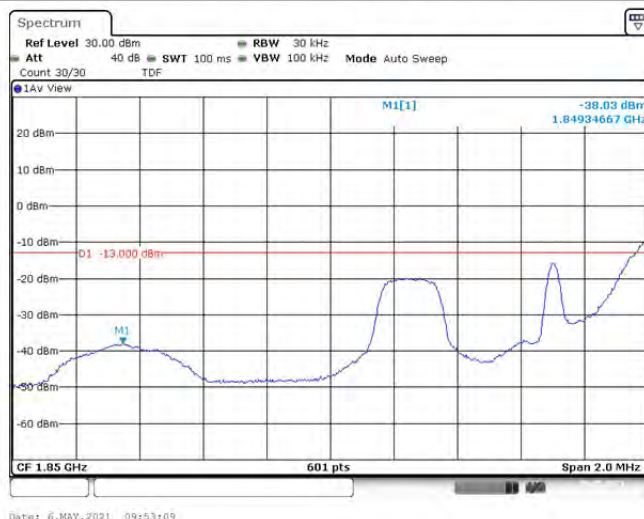


Test Graphs

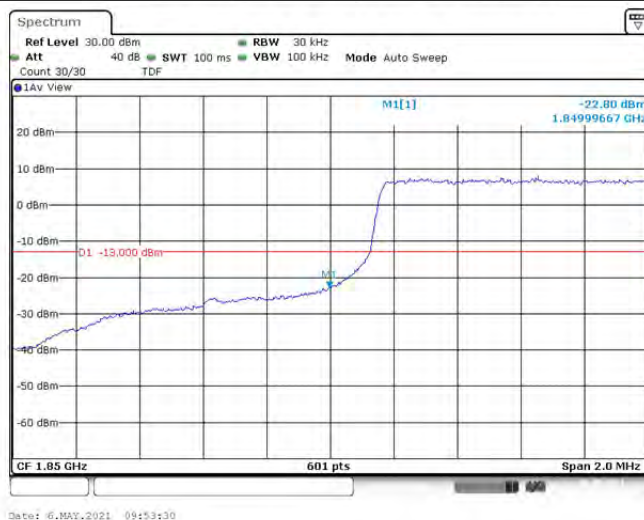
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Band2-1.4MHz-QPSK-18607-1RB#5

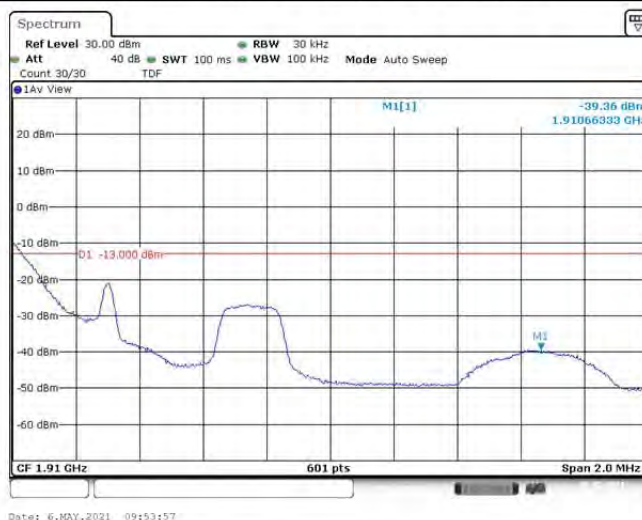


Band2-1.4MHz-QPSK-18607-6RB#0





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



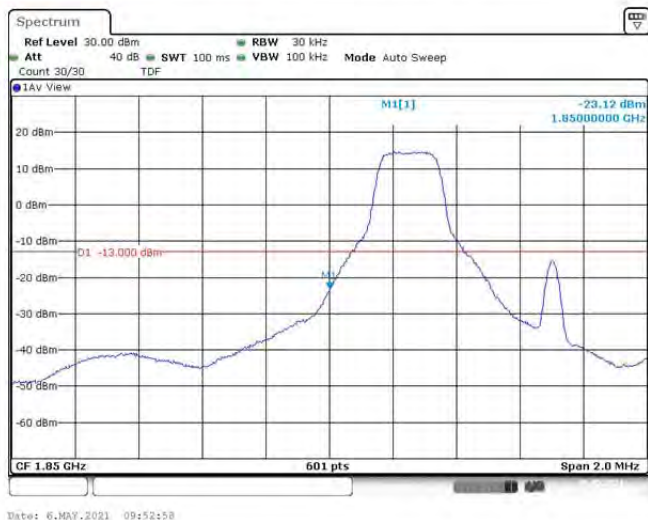
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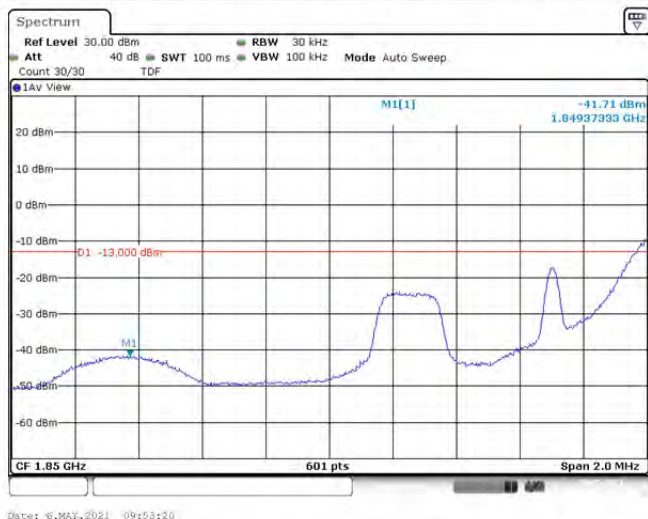
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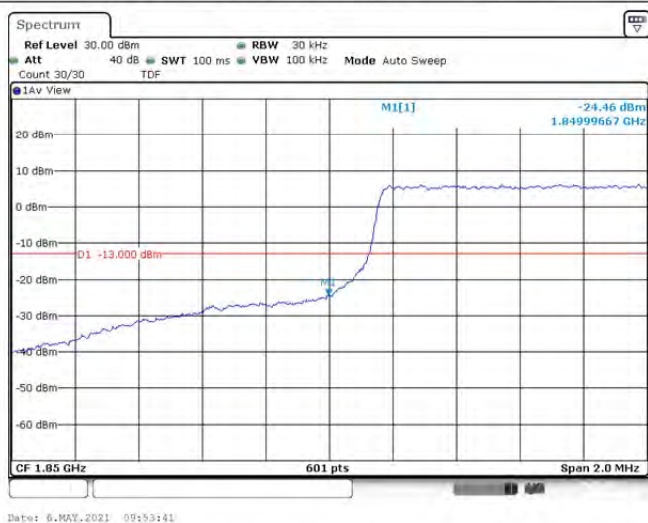
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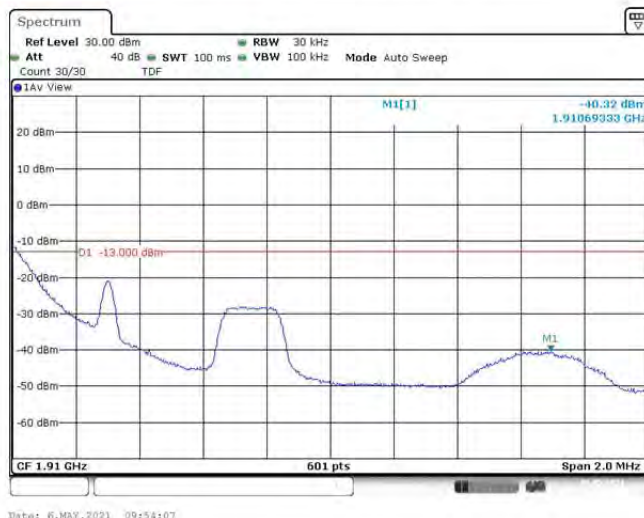
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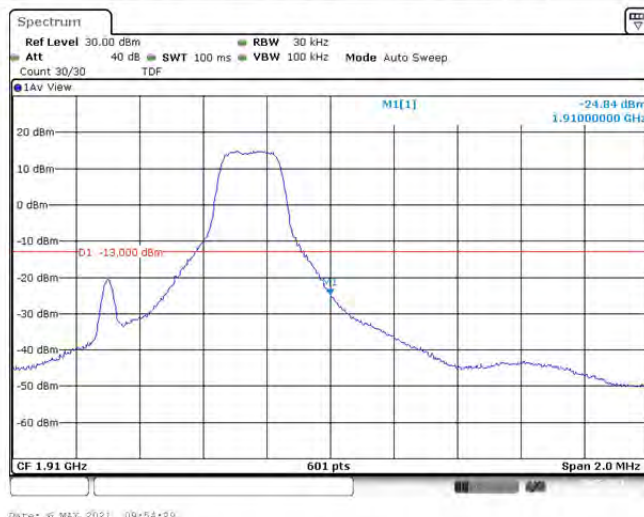
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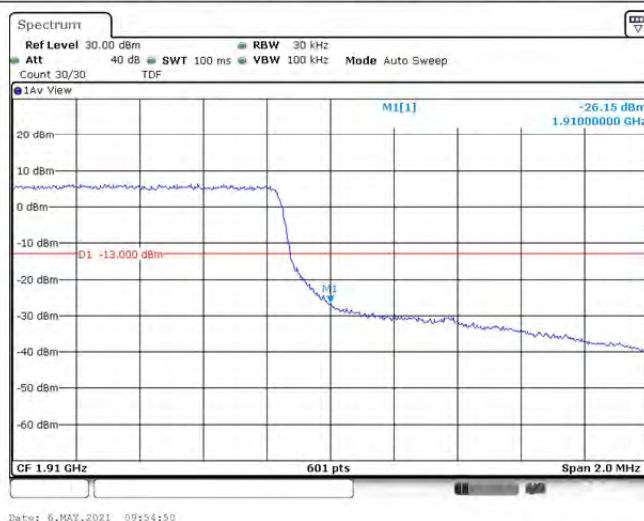
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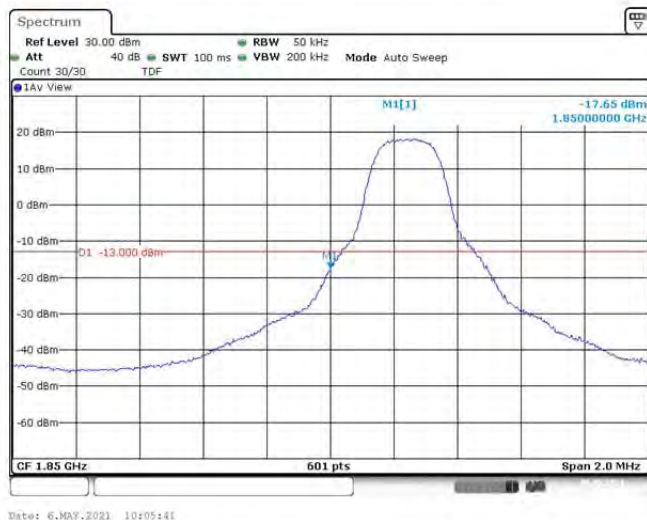
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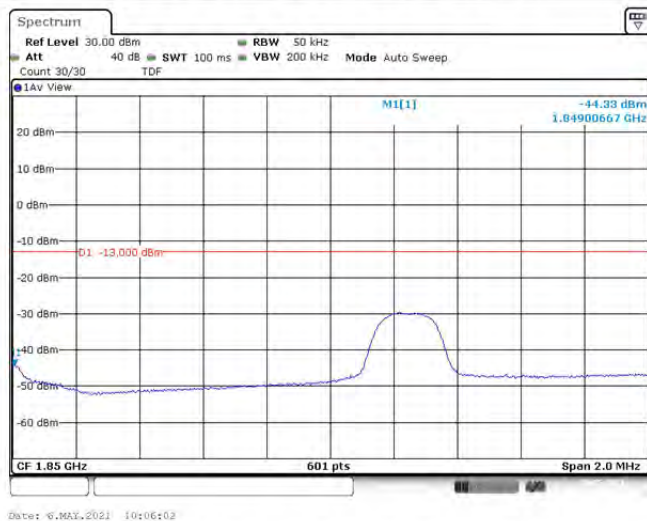
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Band2-3MHz-QPSK-18615-1RB#0



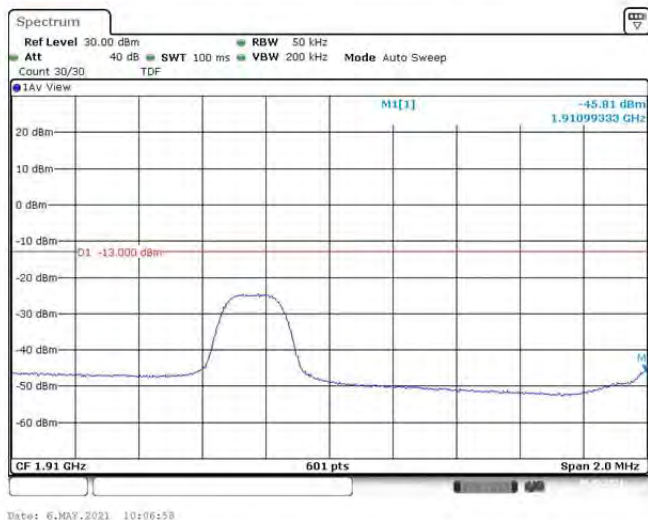
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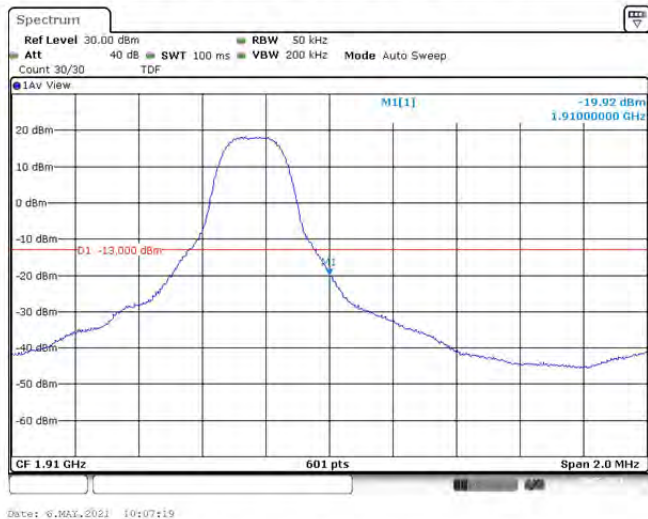
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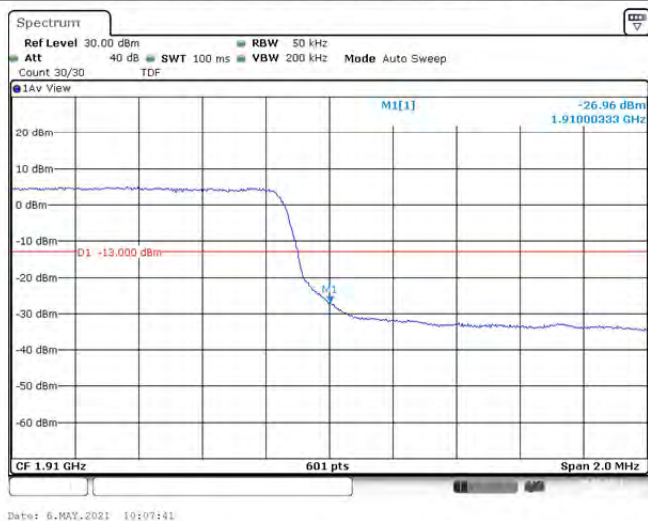
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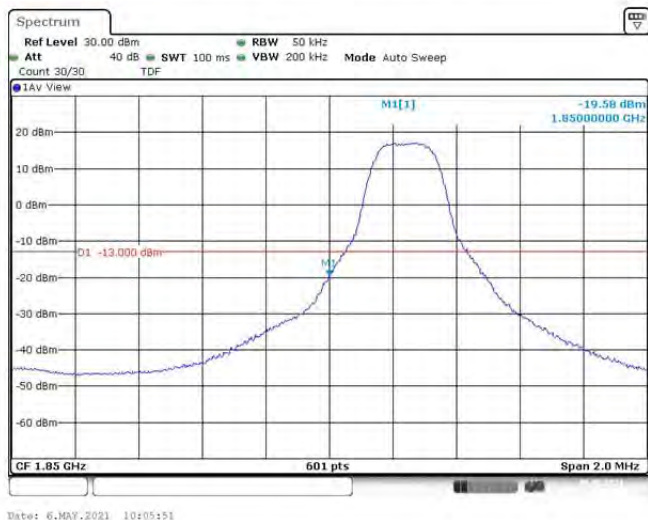
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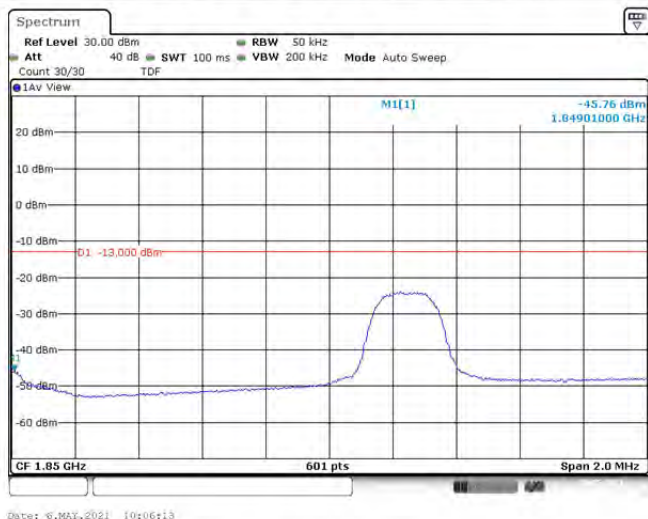
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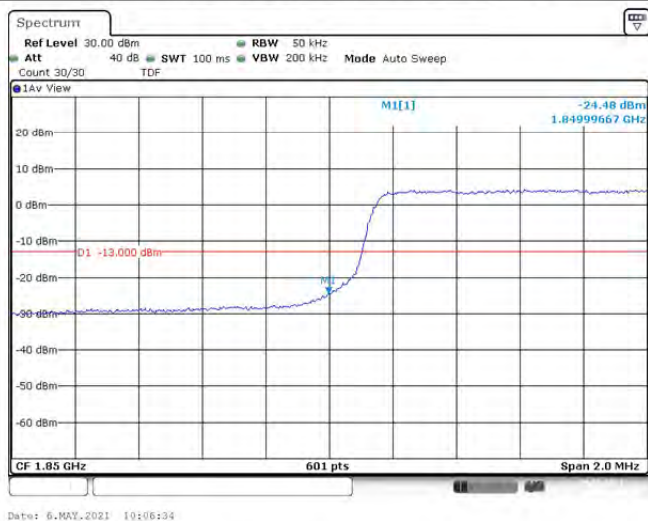
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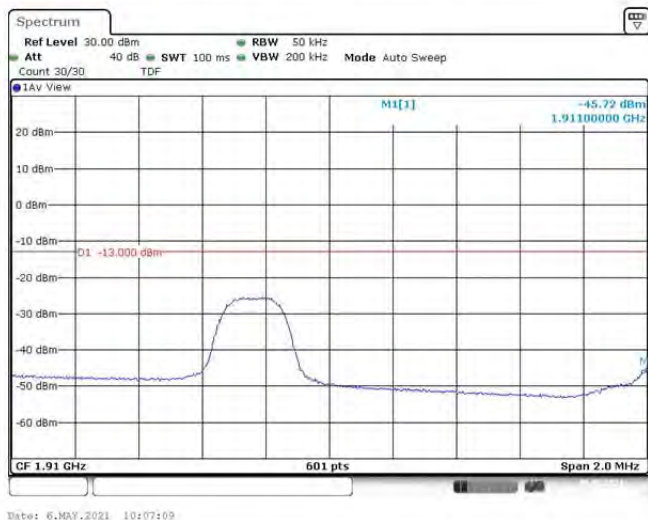
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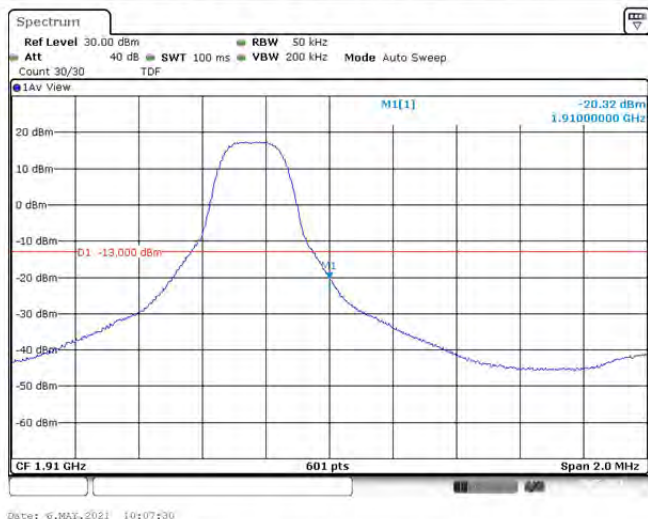
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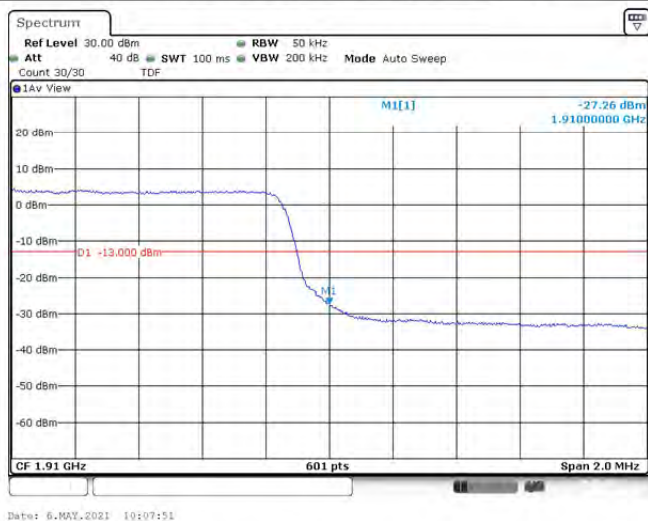
Band2-3MHz-16QAM-19185-1RB#0



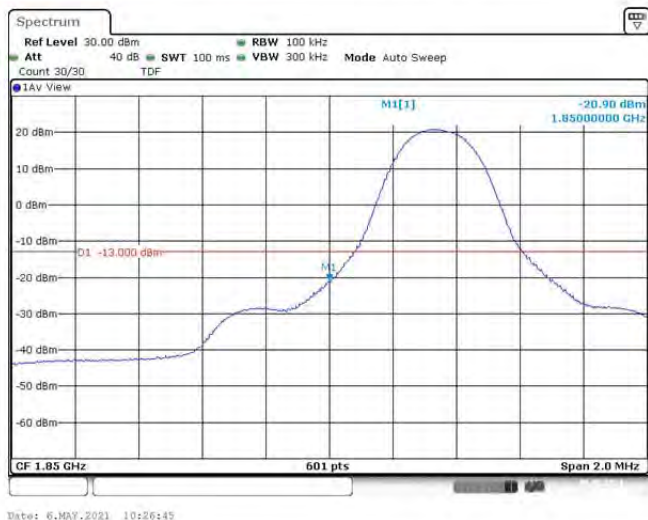
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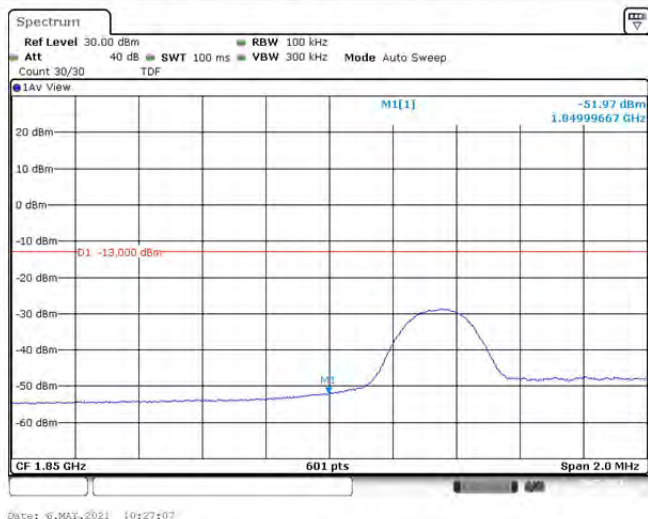
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Band2-5MHz-QPSK-18625-1RB#0



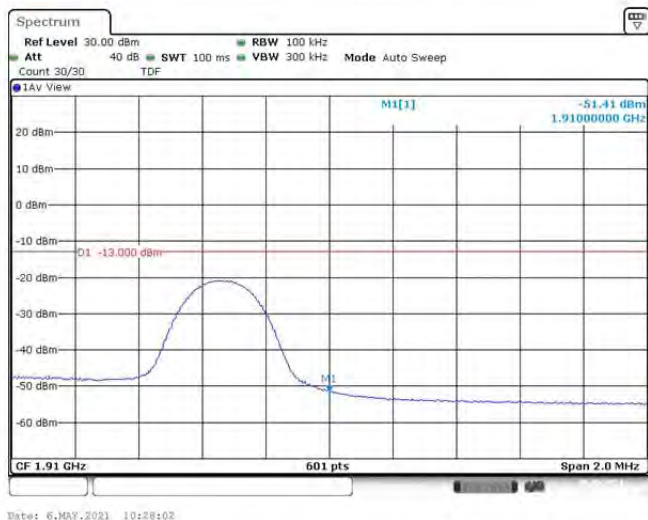
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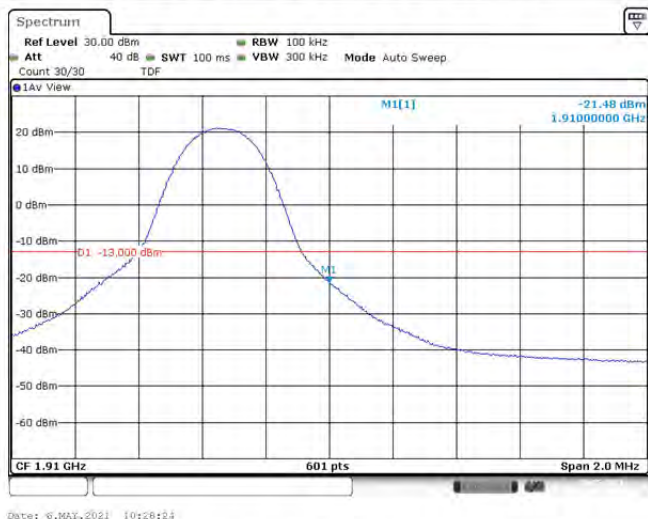
Band2-5MHz-QPSK-18625-25RB#0



Band2-5MHz-QPSK-19175-1RB#0



Band2-5MHz-QPSK-19175-1RB#24



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



Band2-5MHz-16QAM-18625-1RB#0