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Appendix B.2

LTE Band 2



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.19	25.86	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.31	25.98	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.22	25.89	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.31	24.98	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.32	25.99	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.35	26.02	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.31	25.98	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.36	25.03	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.38	26.05	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.46	26.13	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.39	26.06	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.45	25.12	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.50	25.17	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.58	25.25	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.44	25.11	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.35	24.02	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.54	25.21	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.70	25.37	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.58	25.25	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.27	23.94	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.41	25.08	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.48	25.15	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.39	25.06	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.49	24.16	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.23	25.9	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.28	25.95	33.00	PASS



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Band2	3MHz	QPSK	18615	1RB#14	23.20	25.87	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.37	25.04	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.35	26.02	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.44	26.11	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.34	26.01	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.51	25.18	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.44	26.11	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.55	26.22	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.44	26.11	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.59	25.26	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.49	25.16	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.59	25.26	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.41	25.08	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.47	24.14	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.60	25.27	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.76	25.43	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.61	25.28	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.47	24.14	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.40	25.07	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.54	25.21	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.42	25.09	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.57	24.24	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.12	25.79	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.41	26.08	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.06	25.73	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.33	25	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.25	25.92	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.49	26.16	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.24	25.91	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.46	25.13	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.31	25.98	33.00	PASS



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Band2	5MHz	QPSK	19175	1RB#12	23.63	26.3	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.36	26.03	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.54	25.21	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.20	24.87	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.46	25.13	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.19	24.86	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.40	24.07	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.58	25.25	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.82	25.49	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.58	25.25	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.51	24.18	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.41	25.08	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.73	25.4	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.48	25.15	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.64	24.31	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.35	25.02	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.01	25.68	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.28	24.95	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.02	24.69	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.56	25.23	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.11	25.78	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.60	25.27	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.19	24.86	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.39	26.06	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.21	25.88	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.45	26.12	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.30	24.97	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.72	24.39	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.30	24.97	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.66	24.33	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.06	23.73	33.00	PASS



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Band2	10MHz	16QAM	18900	1RB#0	21.90	24.57	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.53	25.2	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.90	24.57	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.29	23.96	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.28	24.95	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.32	24.99	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.46	25.13	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.34	24.01	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.02	25.69	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.36	26.03	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.98	25.65	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.37	25.04	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.55	26.22	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.46	26.13	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.52	26.19	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.46	25.13	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.59	26.26	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.54	26.21	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.60	26.27	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.60	25.27	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.34	25.01	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.59	25.26	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.25	24.92	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.35	24.02	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.88	25.55	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.93	25.6	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.95	25.62	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.51	24.18	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.57	25.24	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.50	25.17	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.58	25.25	33.00	PASS



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Band2	15MHz	16QAM	19125	75RB#0	21.58	24.25	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.59	26.26	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.46	26.13	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.57	26.24	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.30	24.97	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.61	26.28	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.55	26.22	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.74	26.41	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.39	25.06	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.59	26.26	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.45	26.12	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.61	26.28	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.45	25.12	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.68	25.35	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.51	25.18	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.80	25.47	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.29	23.96	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.81	25.48	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.90	25.57	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.94	25.61	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.42	24.09	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.74	25.41	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.67	25.34	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.87	25.54	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.49	24.16	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.08	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.62	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.14	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.98	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.48	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.02	13	PASS



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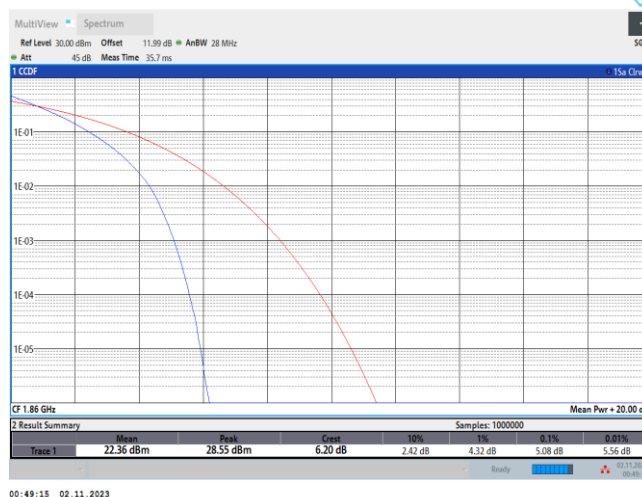
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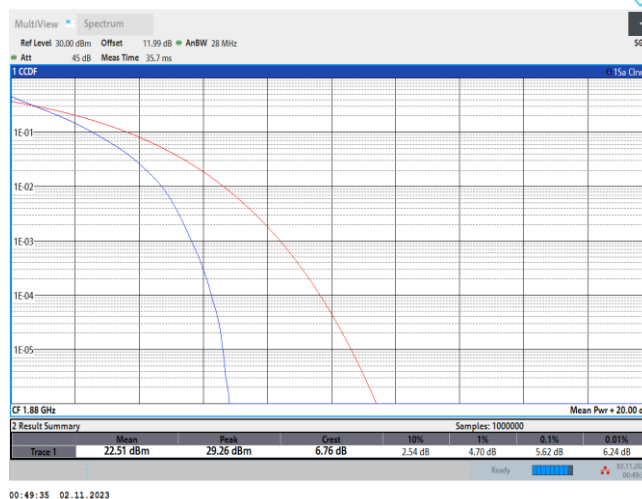
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Test Graphs

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



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



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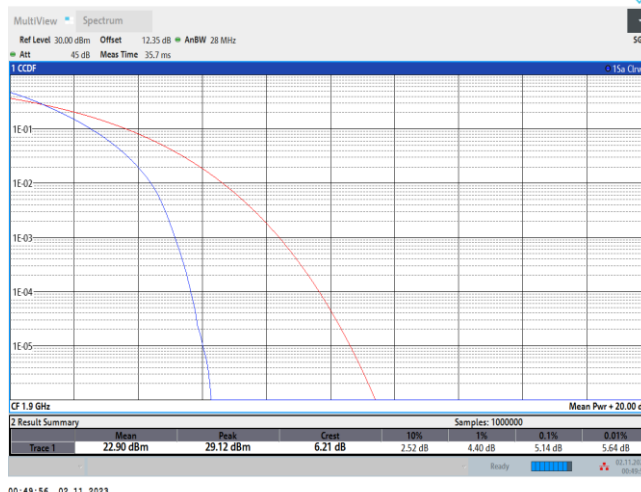
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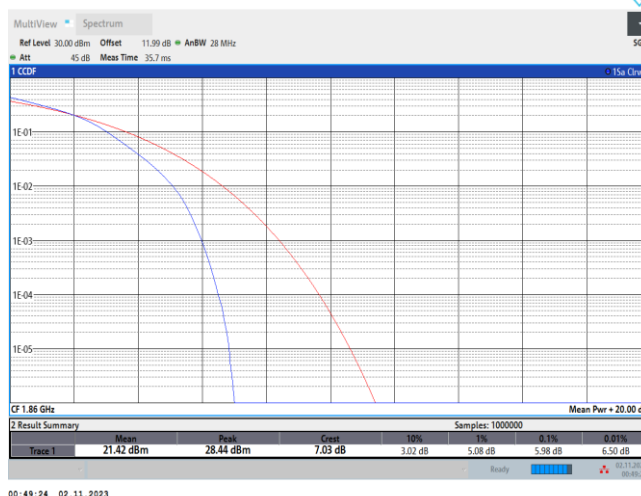
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Band2-20MHz-QPSK-19100-100RB#0



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



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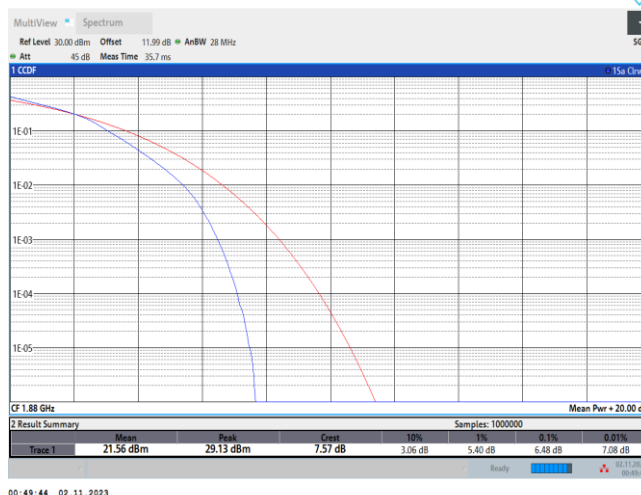
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Band2-20MHz-16QAM-18900-100RB#0



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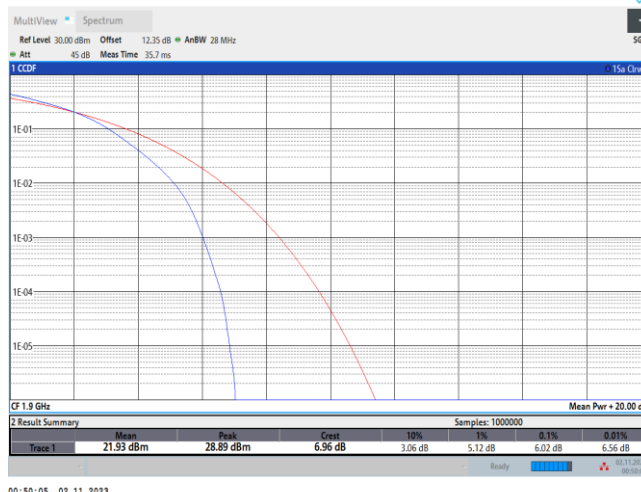
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Band2-20MHz-16QAM-19100-100RB#0



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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	1.079	1.22	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.092	1.24	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.092	1.25	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.095	1.25	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.096	1.25	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.095	1.25	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.697	2.99	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.705	2.99	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.701	2.98	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.692	2.99	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.696	2.99	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.692	2.98	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.484	4.91	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.487	4.91	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.491	4.91	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.468	4.85	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.471	4.86	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.473	4.86	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.937	9.68	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.952	9.68	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.945	9.66	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.93	9.54	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.944	9.58	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.948	9.70	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.446	14.79	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.491	14.82	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.461	14.76	PASS



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Band2	15MHz	16QAM	18675	75RB#0	13.423	14.73	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.49	14.82	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.466	14.70	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.85	19.16	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.946	19.68	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.861	19.28	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.874	19.32	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.924	19.52	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.873	19.28	PASS



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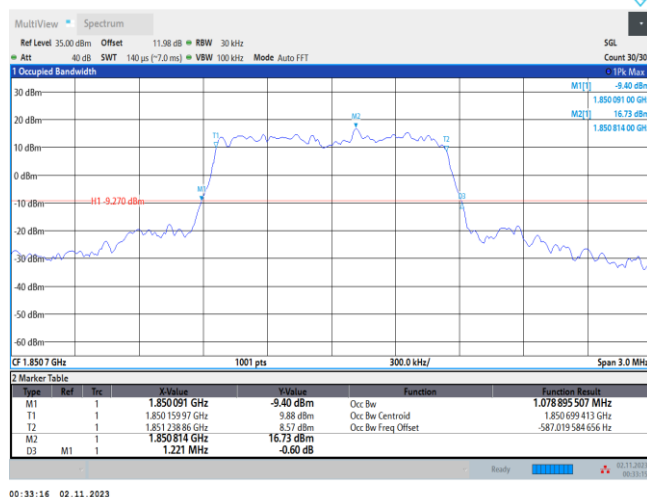
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Test Graphs

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



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



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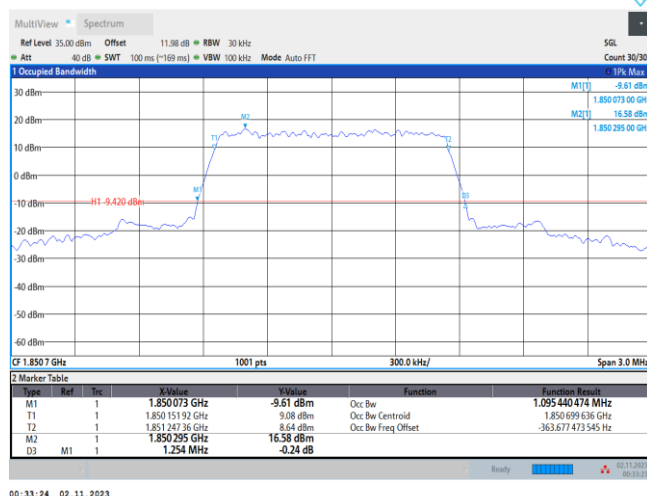
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Band2-1.4MHz-QPSK-19193-6RB#0



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



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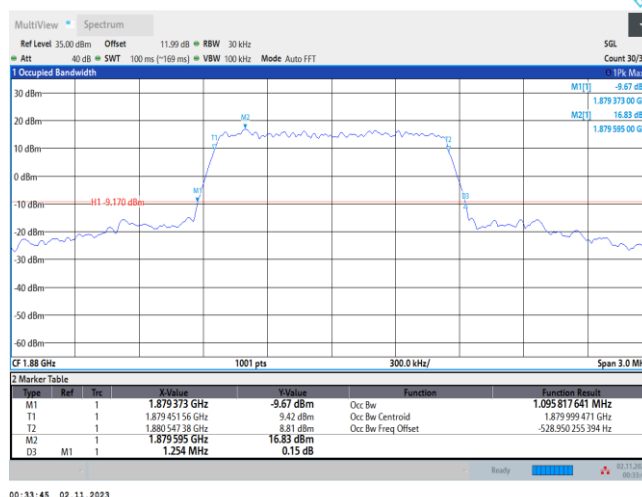
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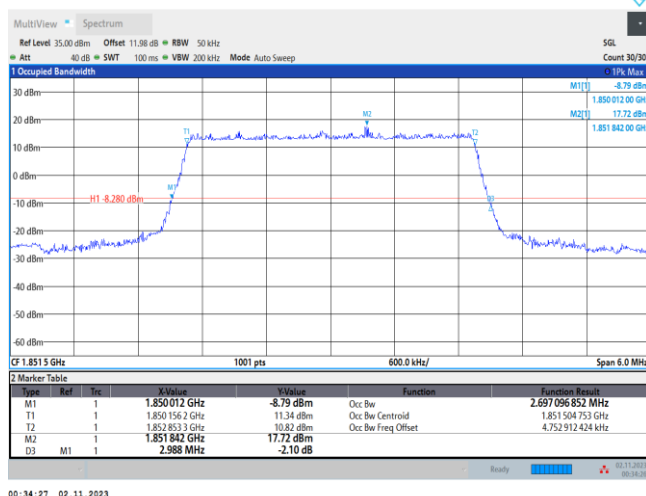
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Band2-3MHz-QPSK-18615-15RB#0



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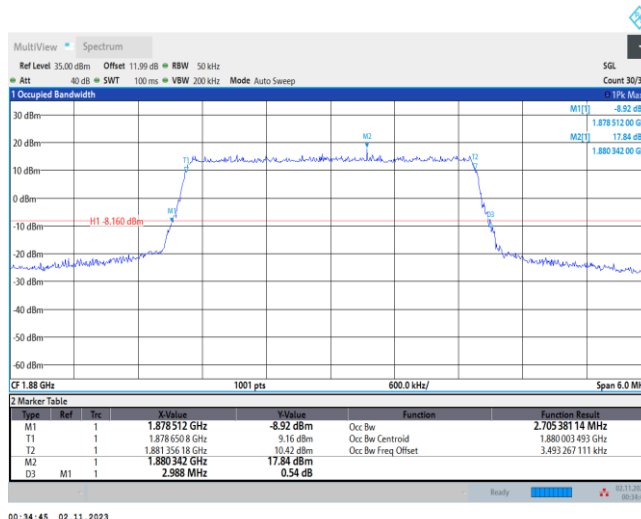
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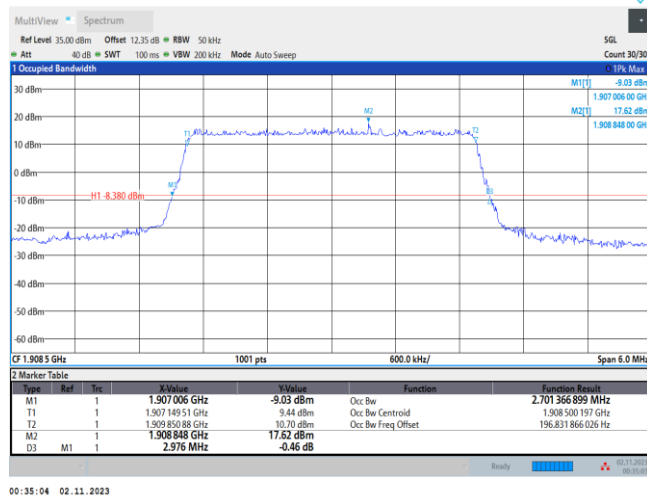
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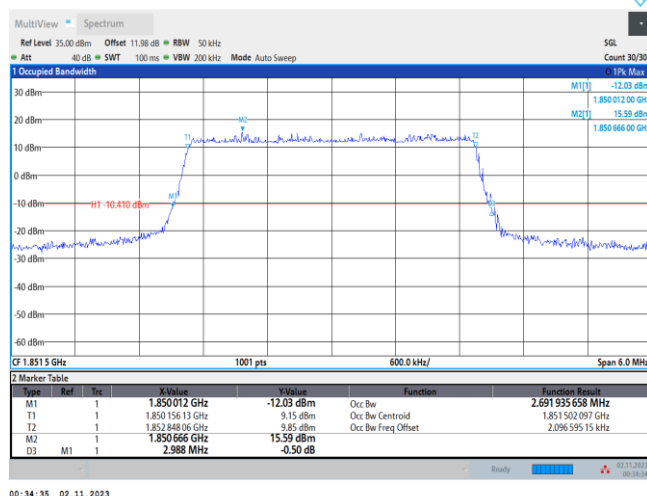
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Band2-3MHz-16QAM-18615-15RB#0



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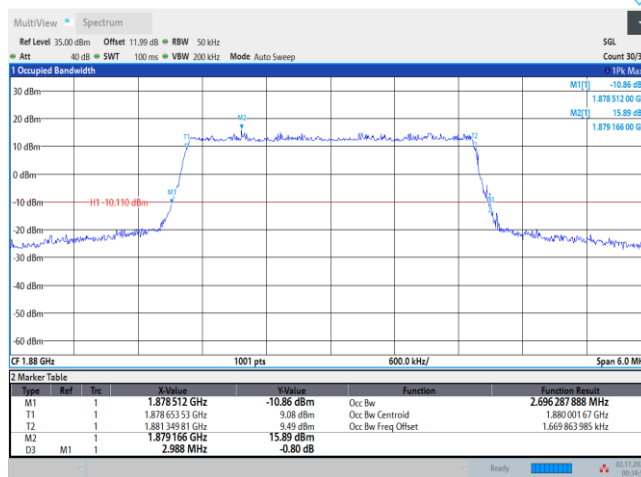
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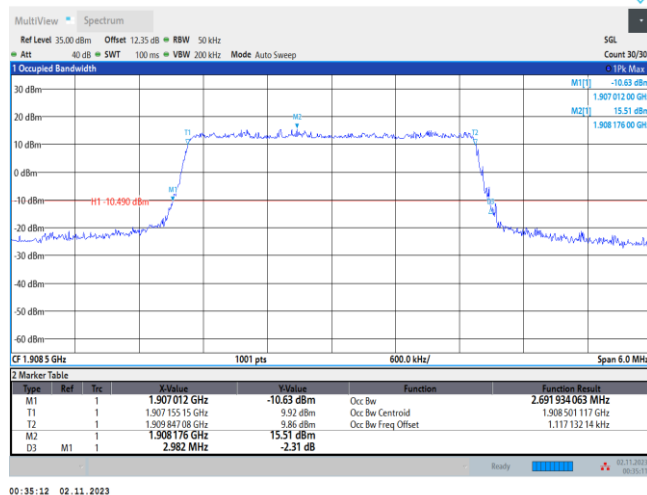
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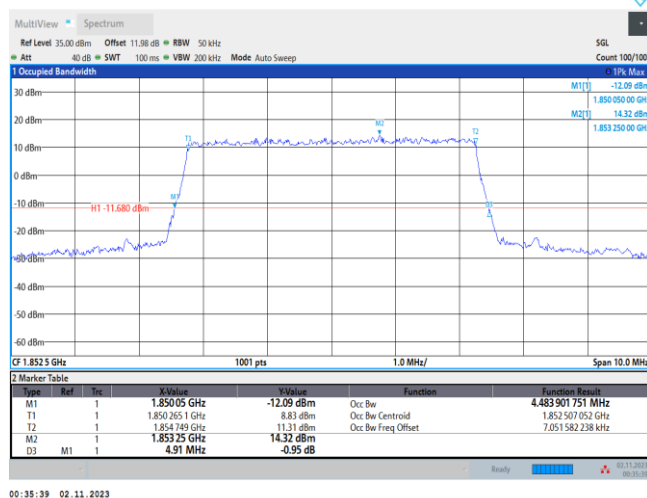
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Band2-5MHz-QPSK-18625-25RB#0



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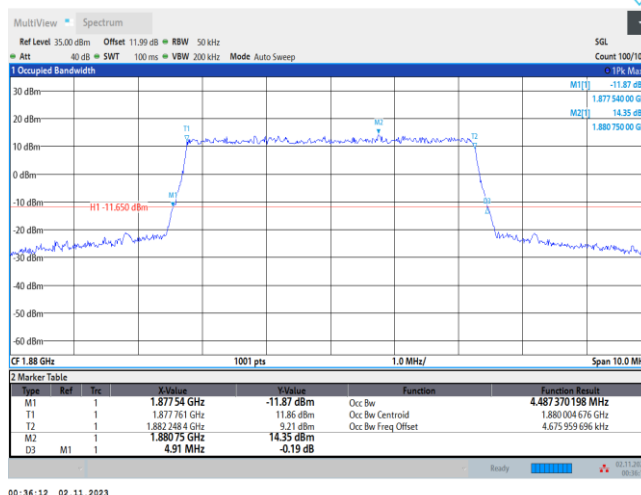
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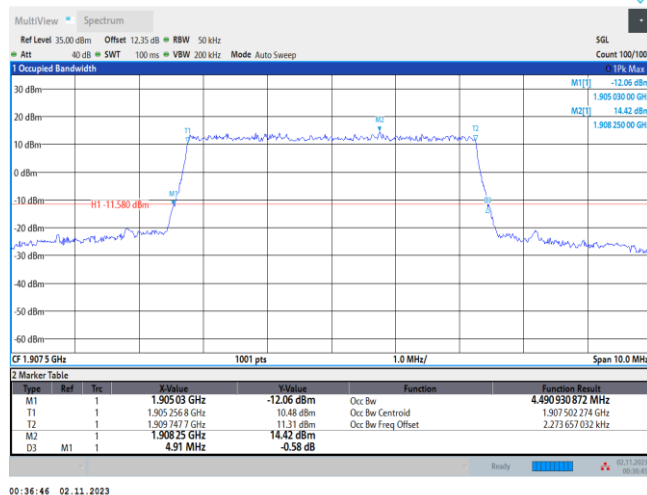
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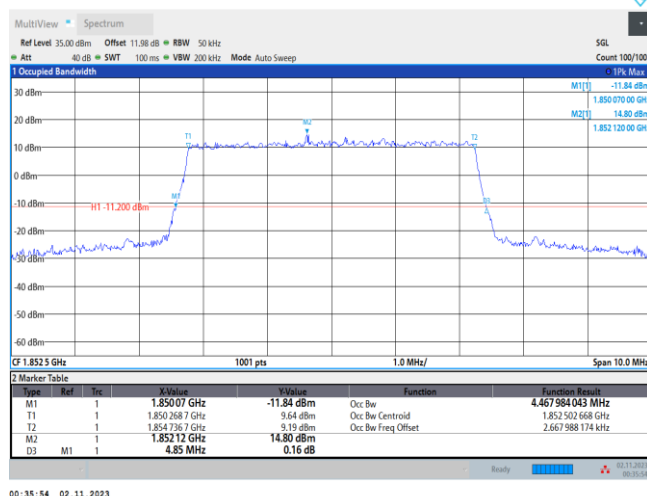
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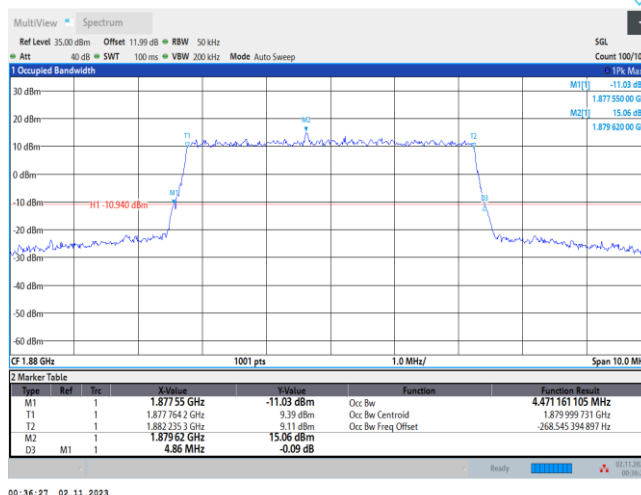
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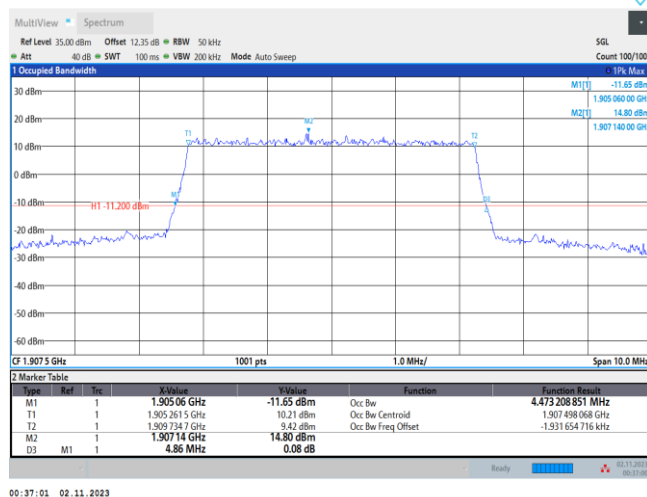
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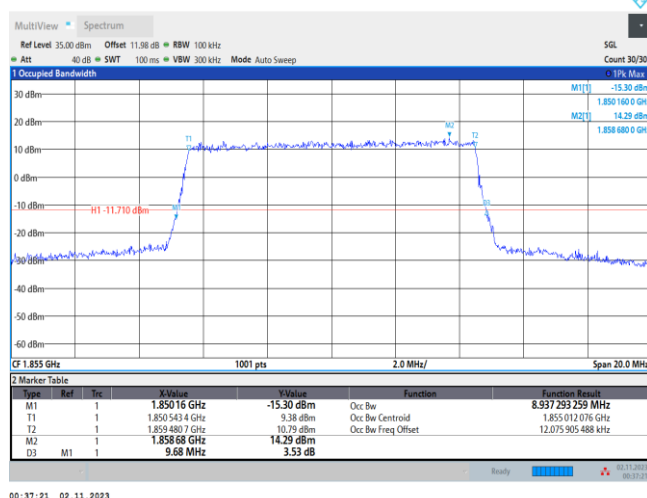
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Band2-10MHz-QPSK-18650-50RB#0

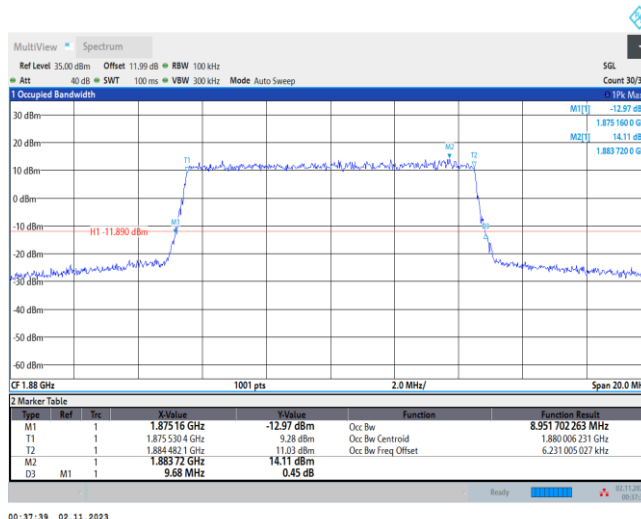


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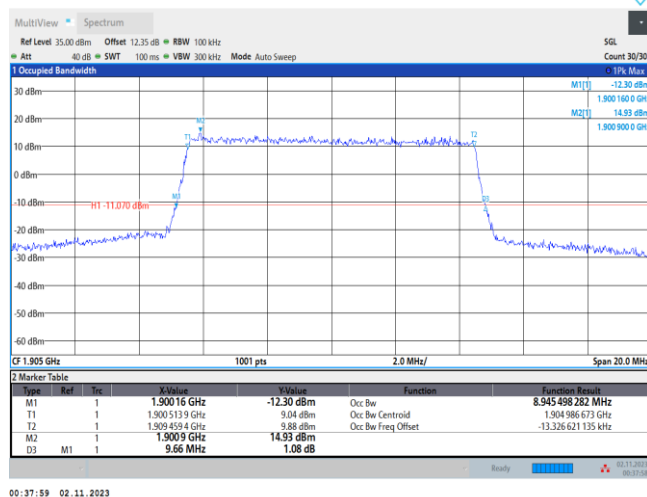
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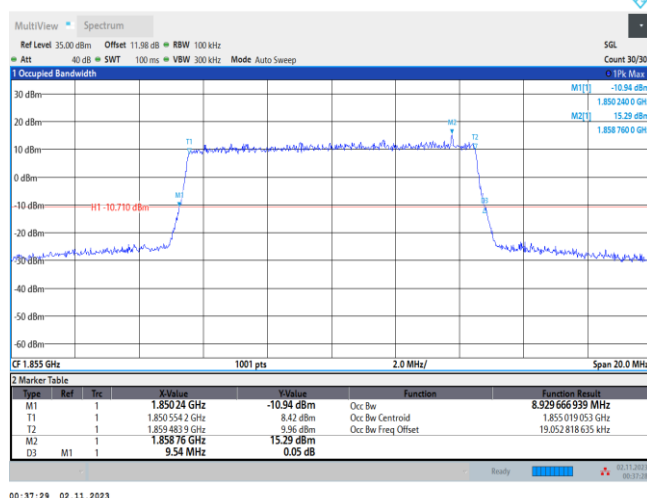
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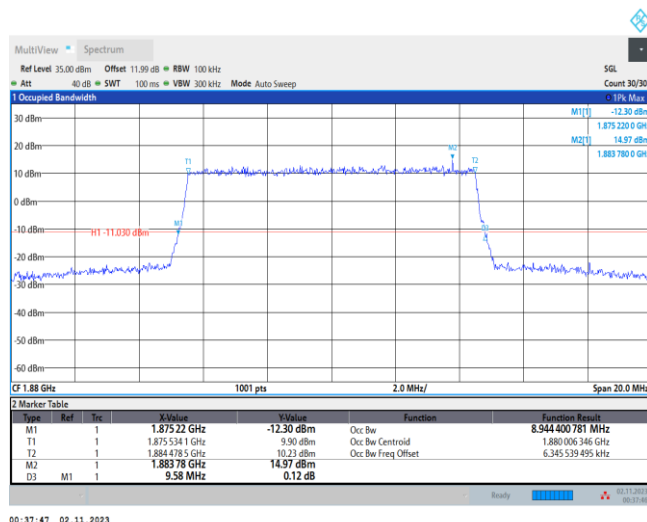
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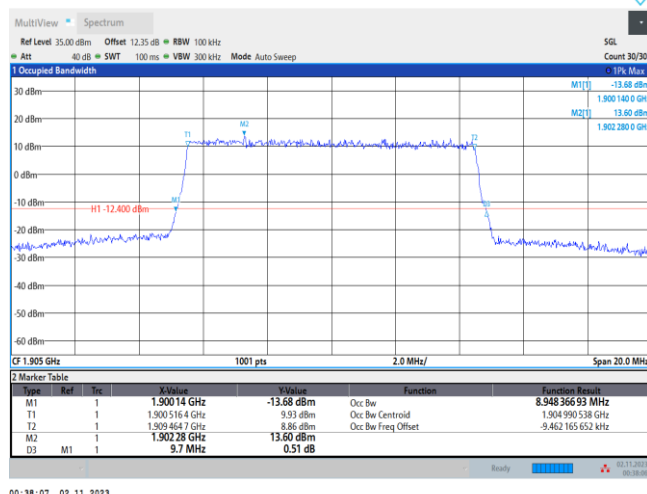
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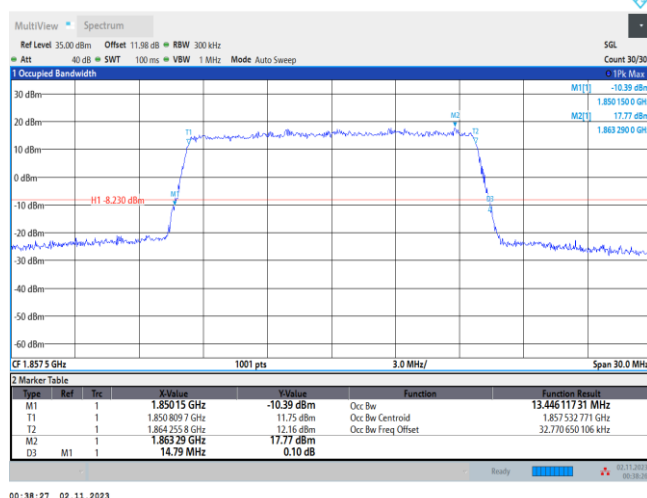
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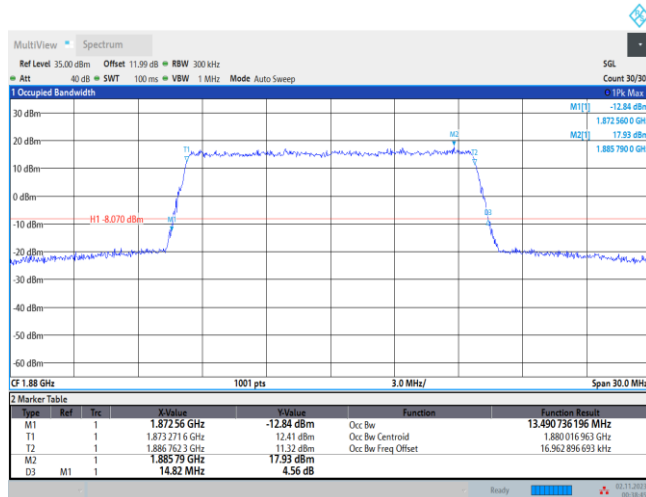
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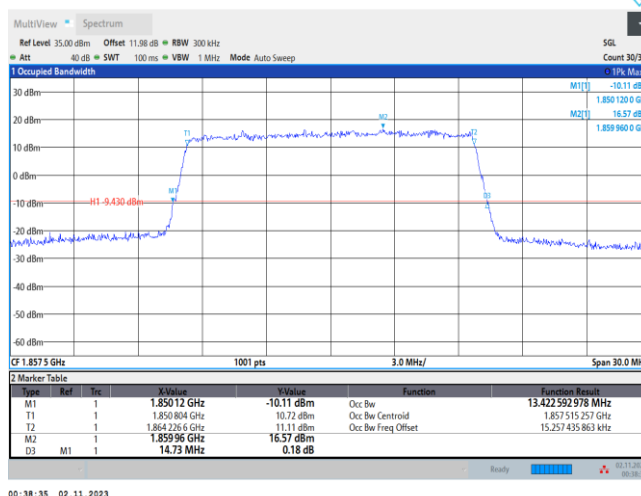
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Band2-15MHz-QPSK-19125-75RB#0



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



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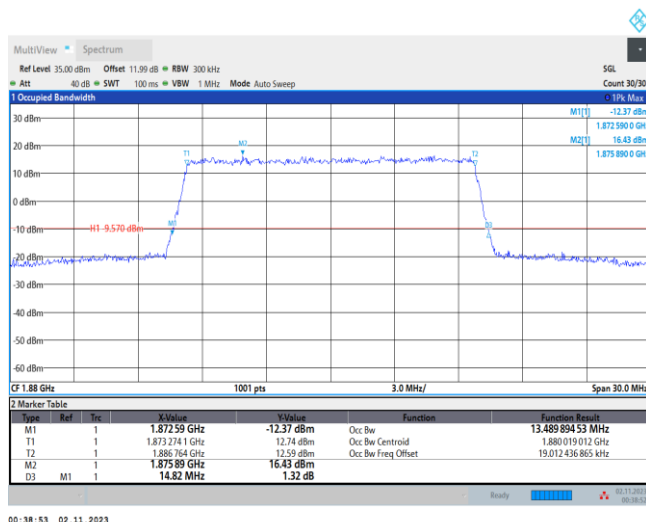
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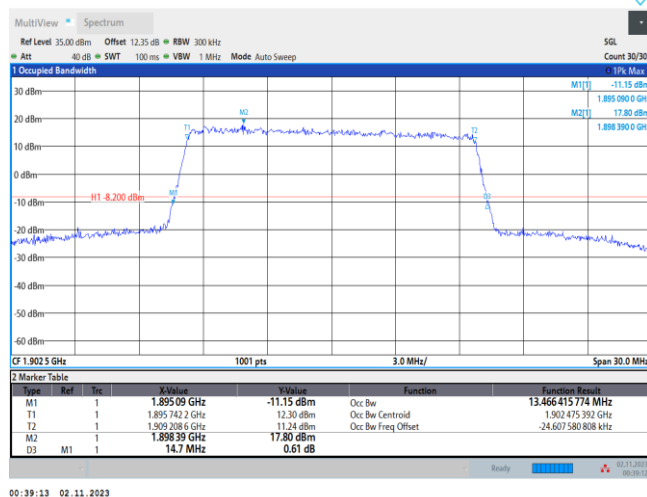
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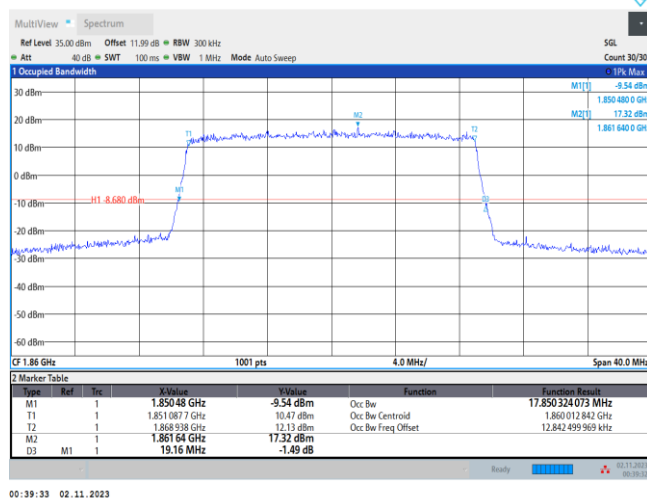
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Band2-15MHz-16QAM-19125-75RB#0



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



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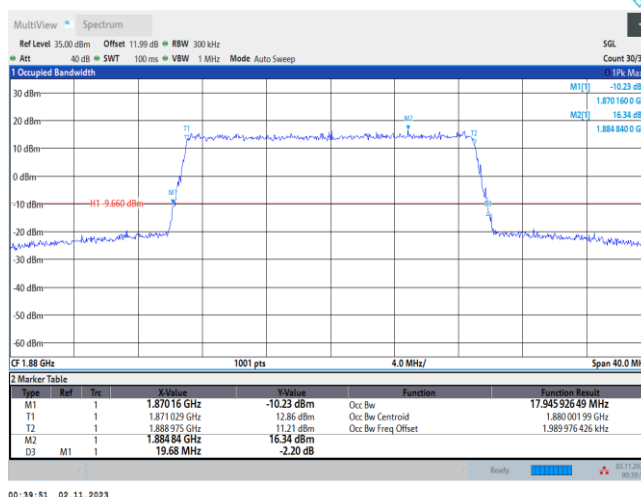
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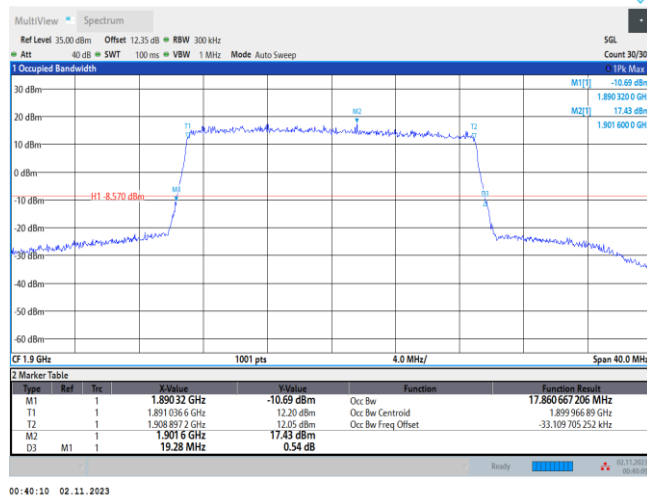
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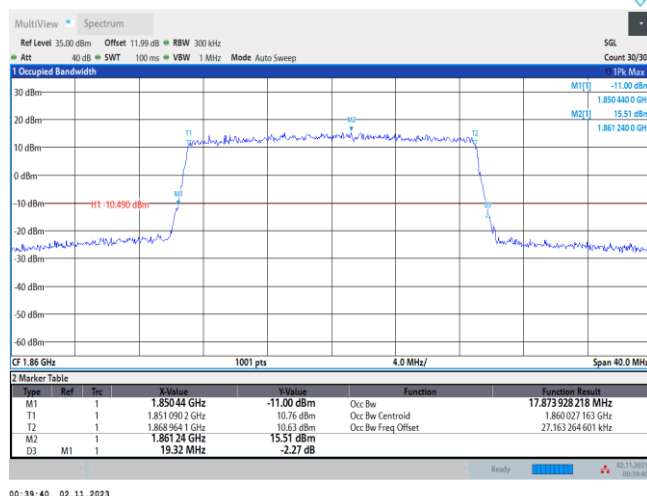
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Band2-20MHz-QPSK-19100-100RB#0



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



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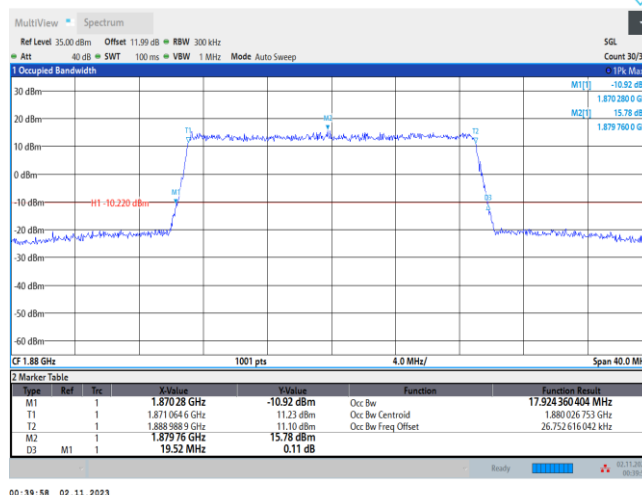
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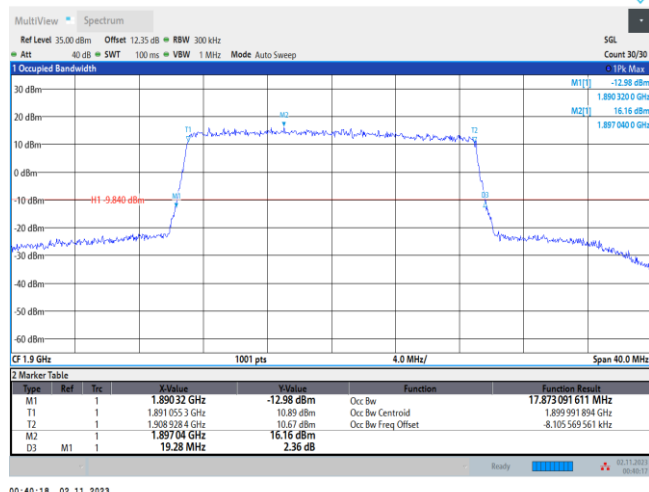
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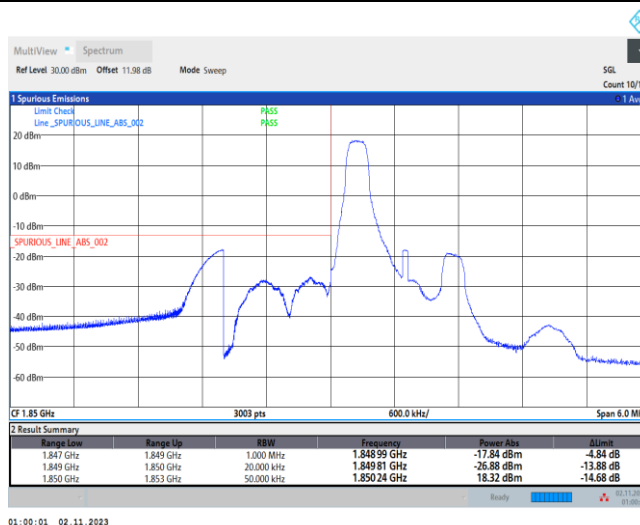
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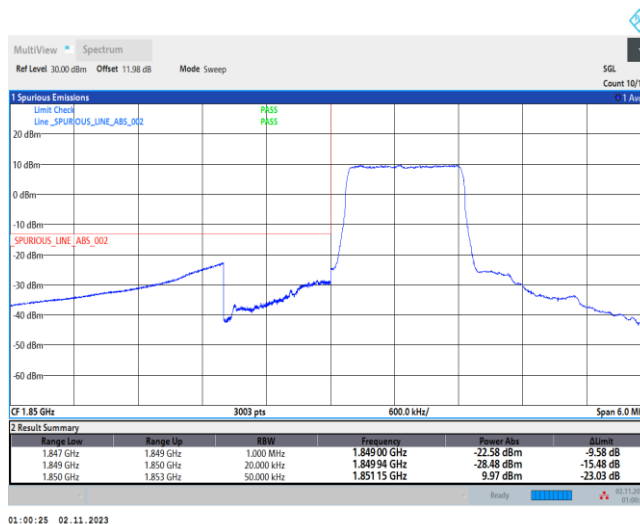
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Test Graphs

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



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



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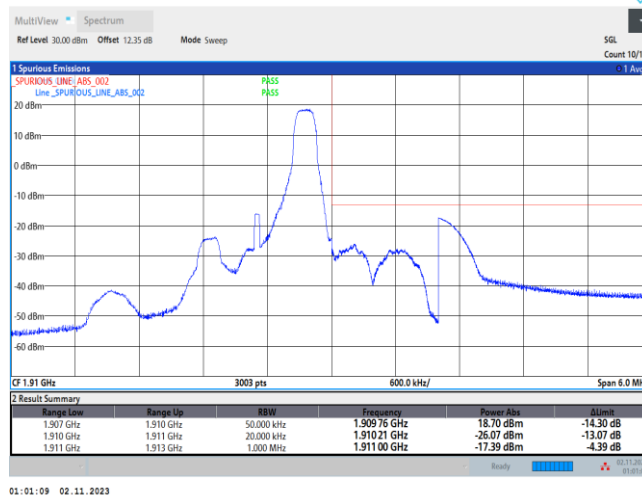
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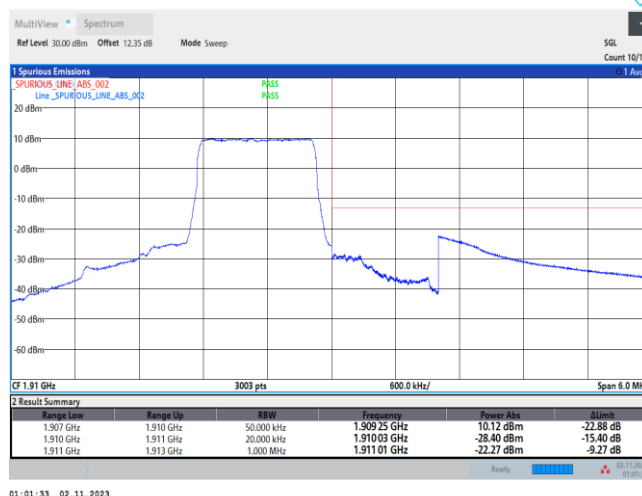
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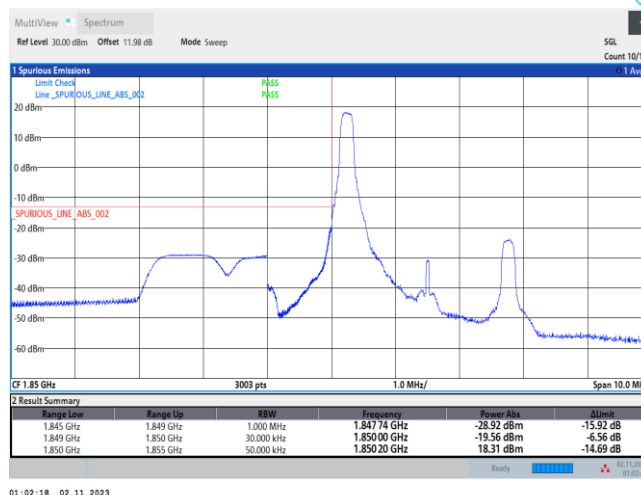
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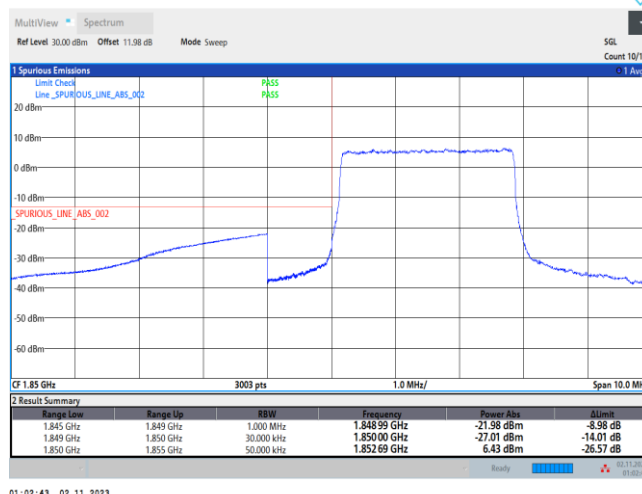
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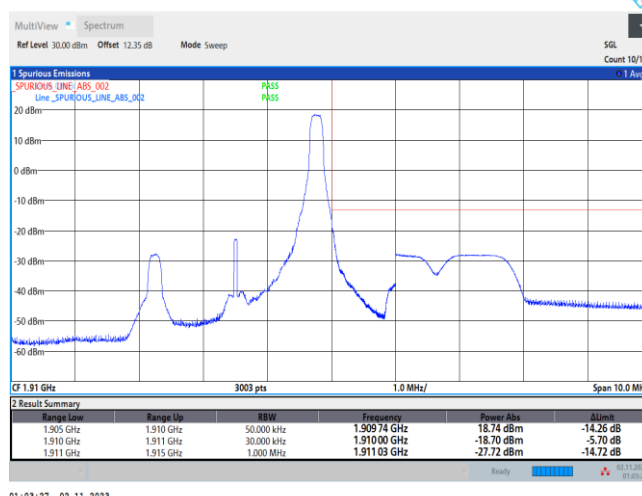
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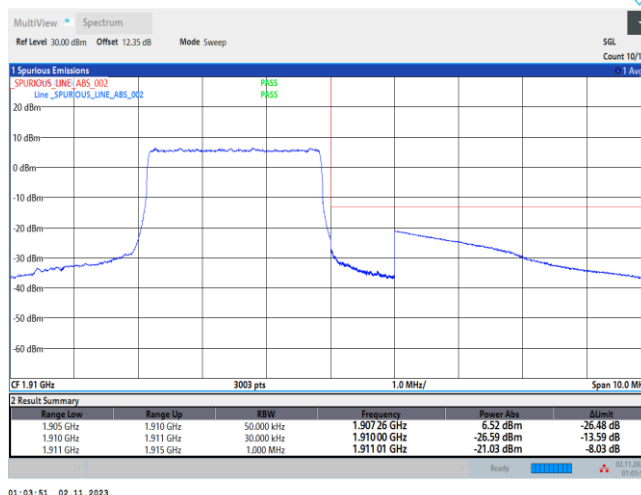
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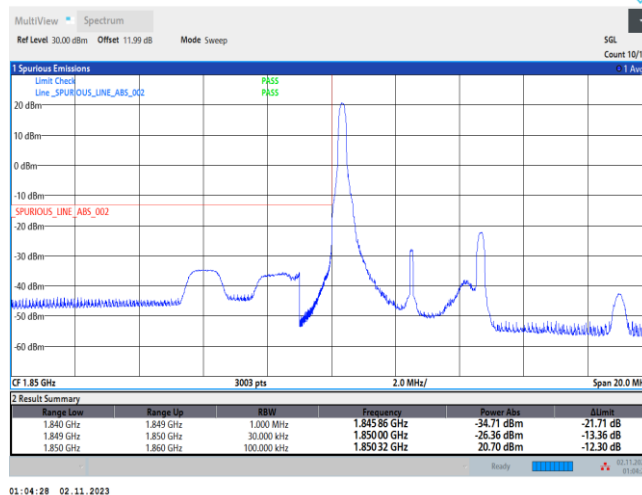
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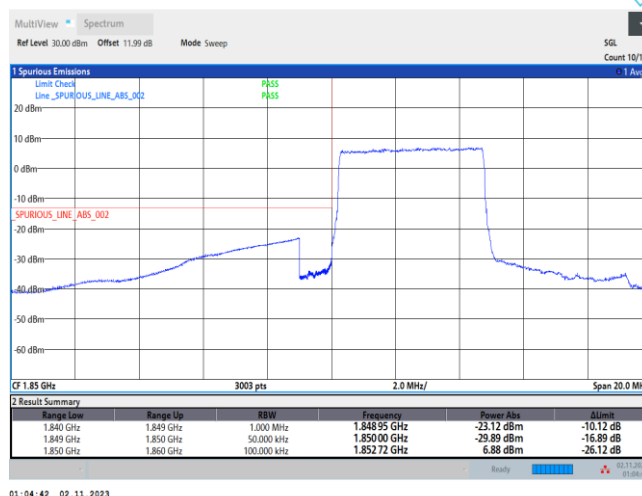
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Band2-5MHz-QPSK-18625-25RB#0



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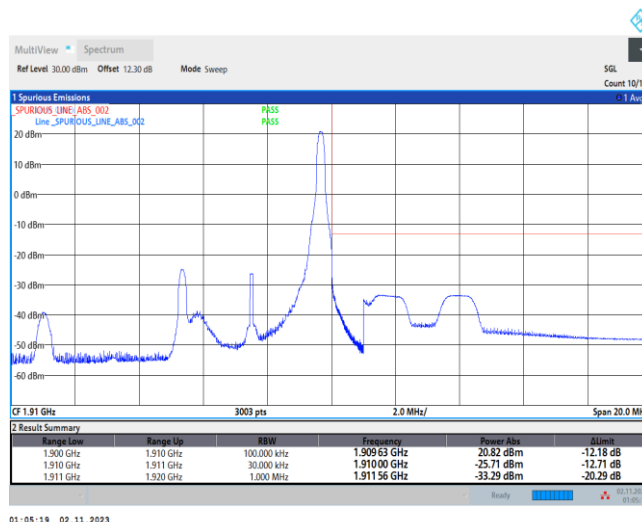
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Band2-5MHz-QPSK-19175-1RB#24



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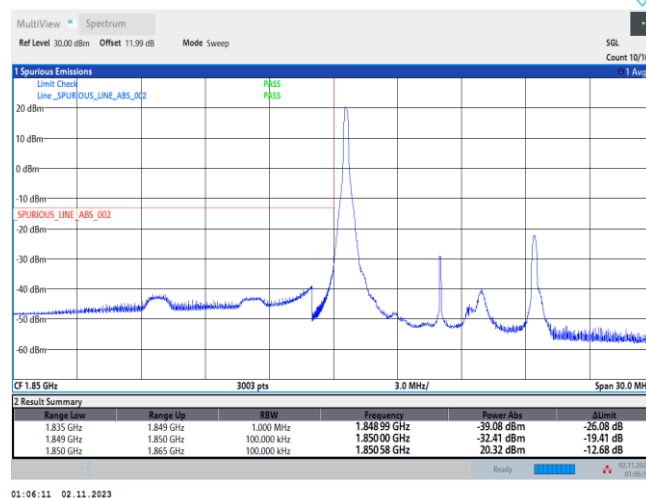
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Band2-5MHz-QPSK-19175-25RB#0



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



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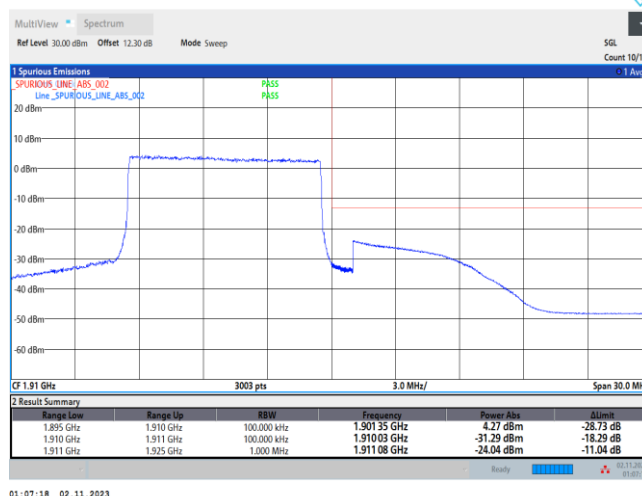
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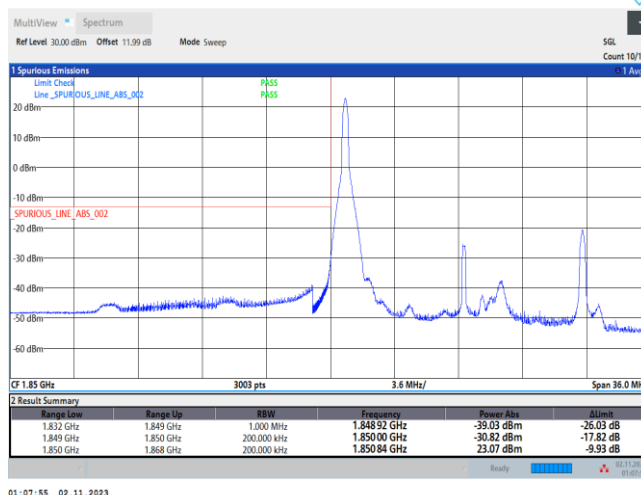
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Band2-15MHz-QPSK-18675-1RB#0



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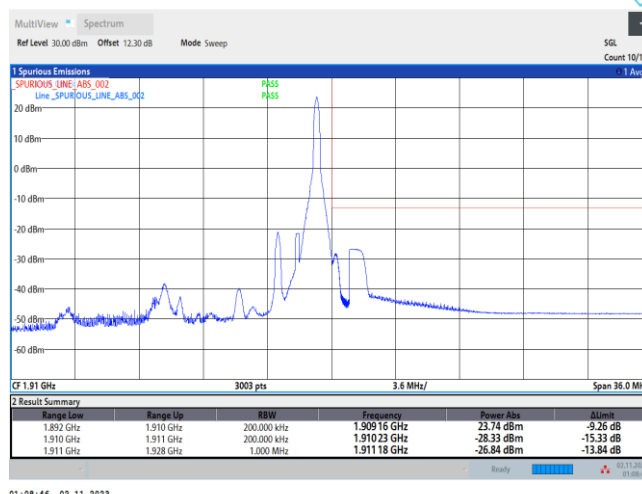
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Band2-15MHz-QPSK-18675-75RB#0



Band2-15MHz-QPSK-19125-1RB#74



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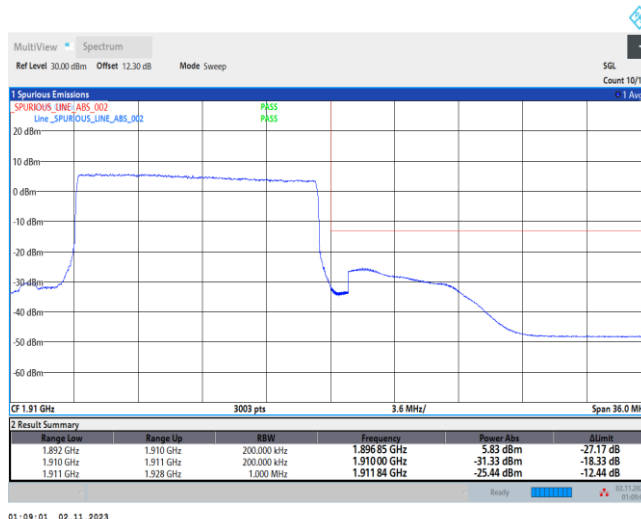
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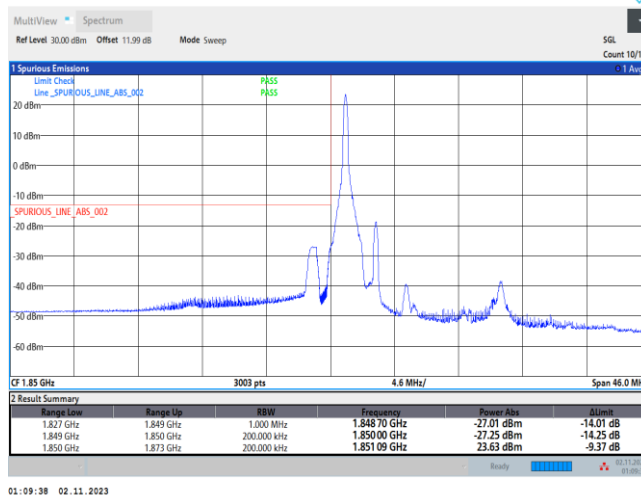
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Band2-20MHz-QPSK-18700-1RB#0



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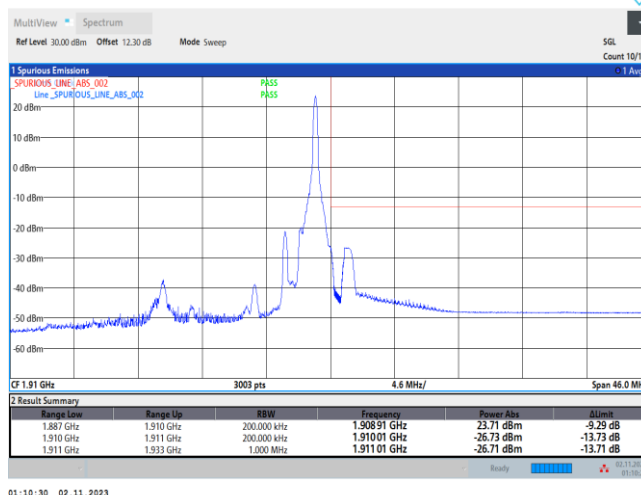
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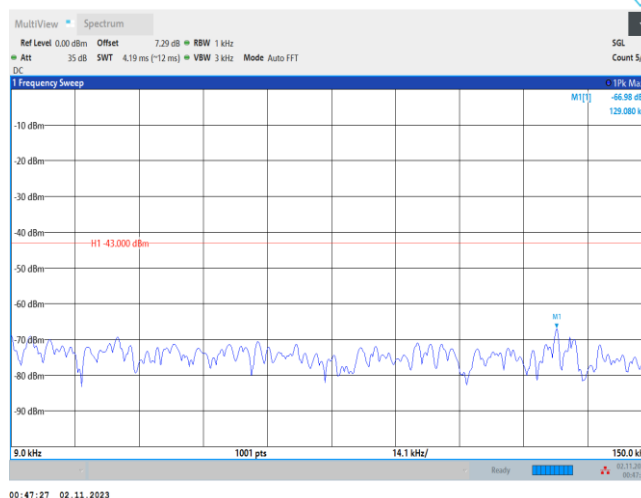
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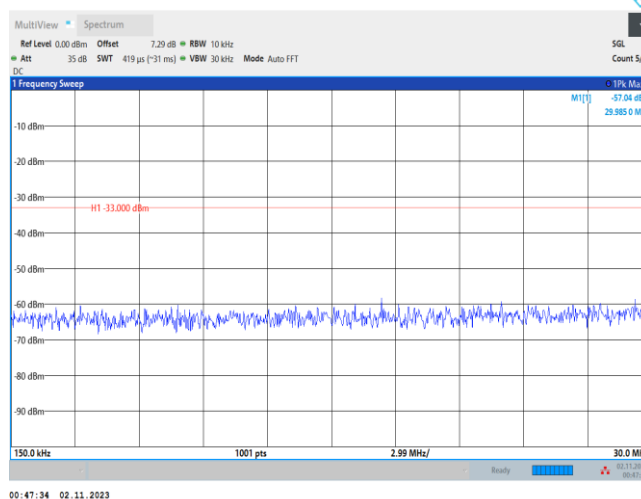
Conducted Spurious Emission

Test Graphs

Band2-20MHz-QPSK-18700-1RB#0-Range1:0.009~0.15MHz



Band2-20MHz-QPSK-18700-1RB#0-Range2:0.15~30MHz



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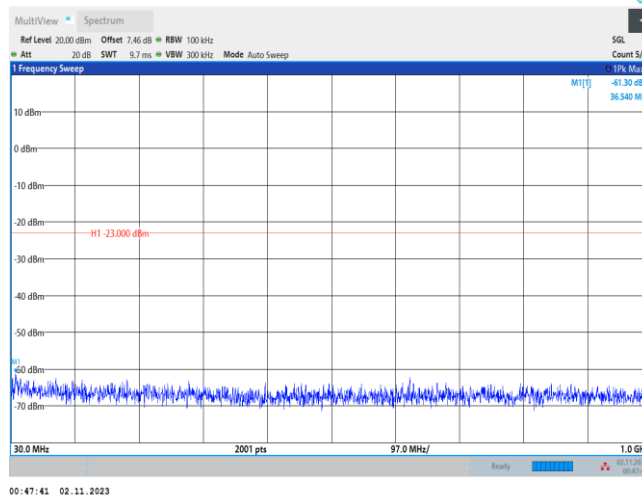
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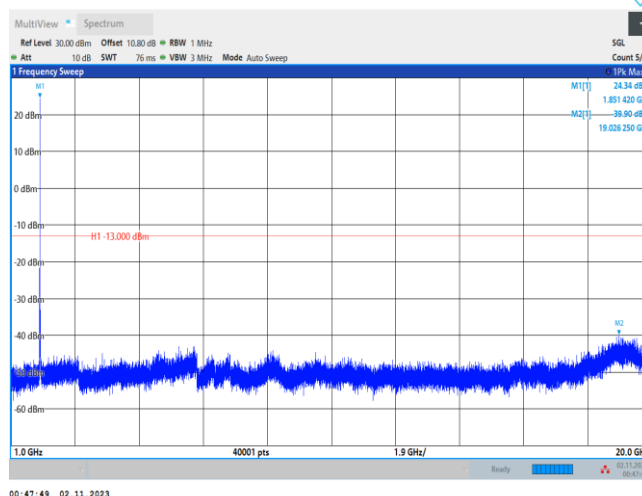
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



Band2-20MHz-QPSK-18700-1RB#0-Range4:1000~20000MHz



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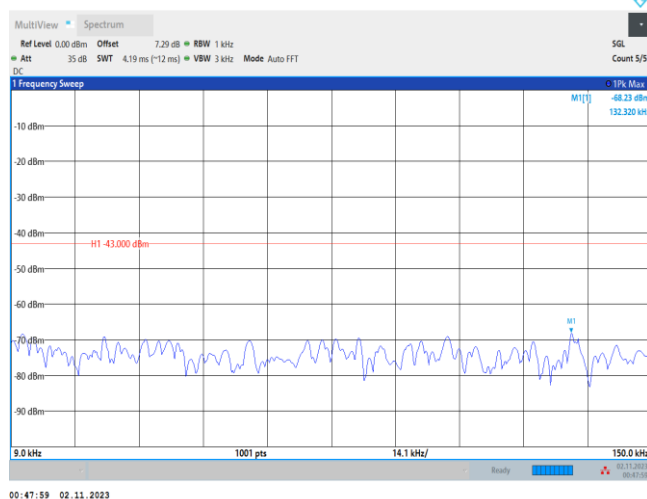


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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



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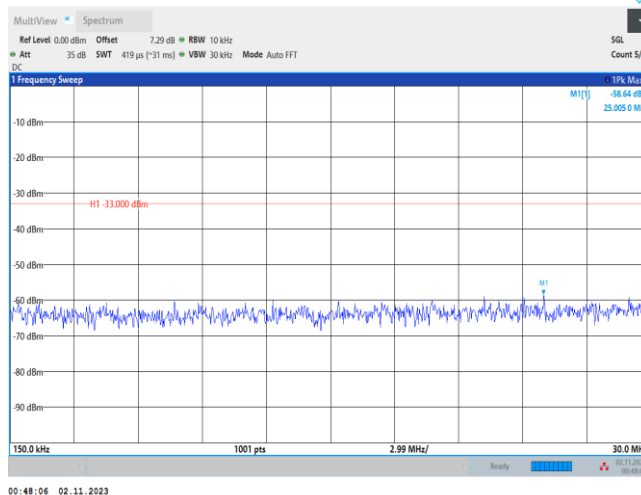
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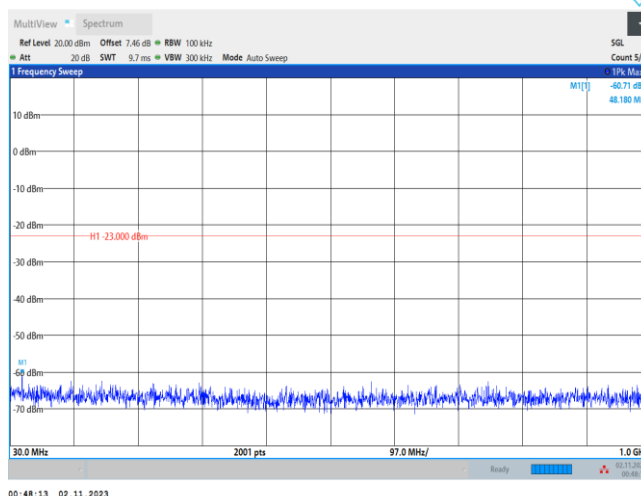
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Band2-20MHz-QPSK-18900-1RB#0-Range2:0.15~30MHz



Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



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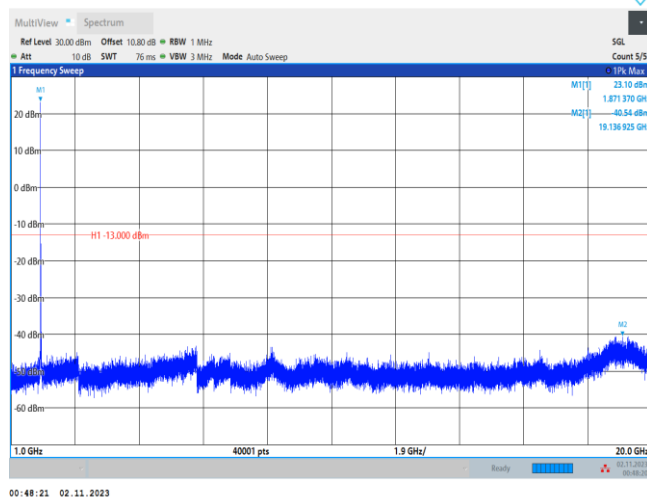
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Band2-20MHz-QPSK-18900-1RB#0-Range4:1000~20000MHz



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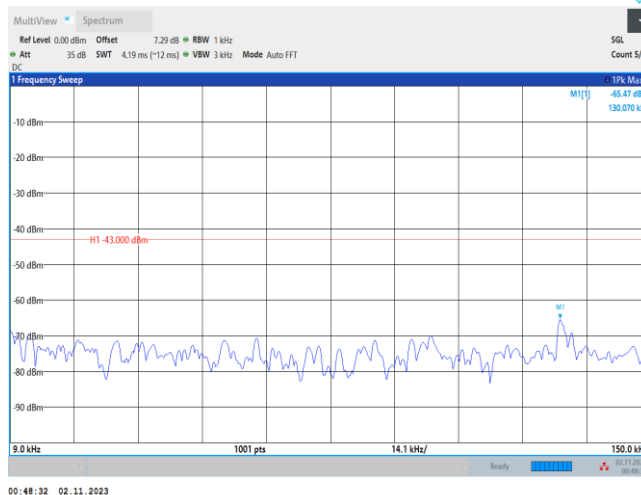
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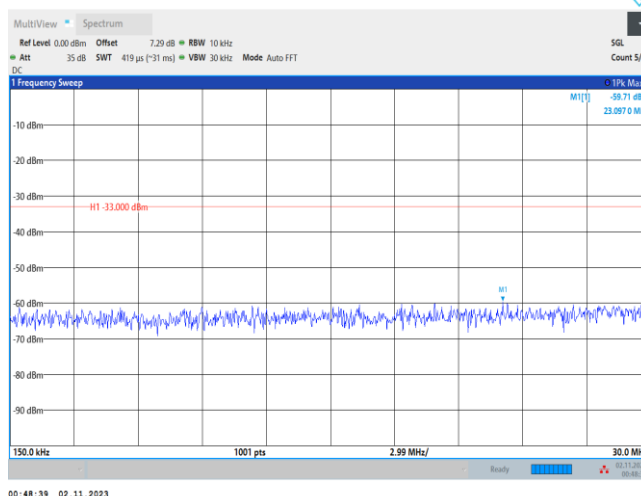
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



Band2-20MHz-QPSK-19100-1RB#0-Range2:0.15~30MHz



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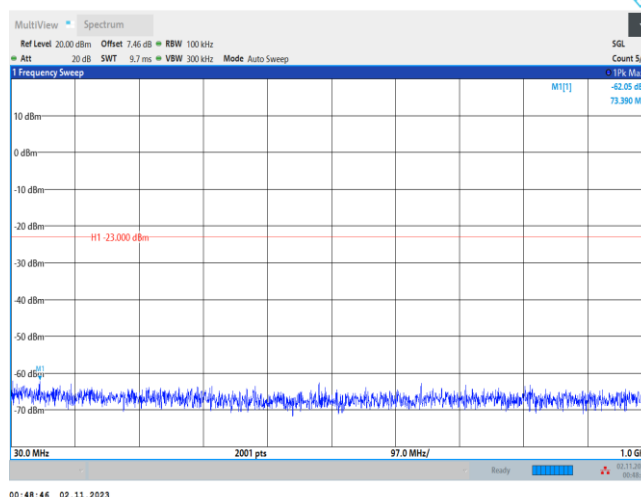


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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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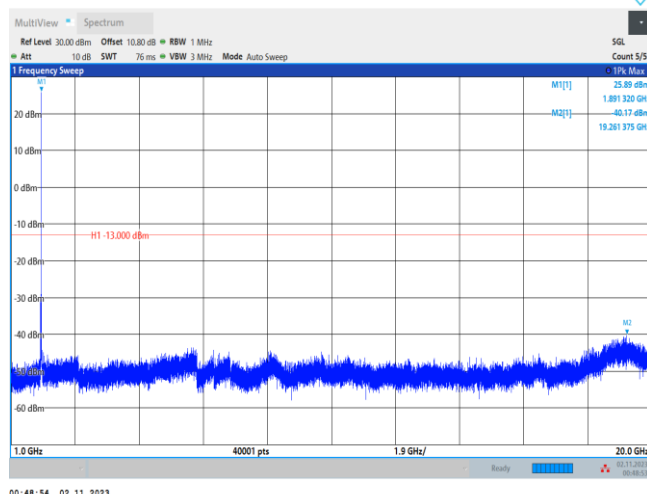
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Band2-20MHz-QPSK-19100-1RB#0-Range4:1000~20000MHz



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Field Strength of Spurious Radiation**Test Band = LTE_2_TM1****Test Channel = LCH**

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2979.5	37.48	-17.29	28.48	-46.59	-13.00	33.59	Horizontal
2	3702	58.78	-44.52	29.31	-51.69	-13.00	38.69	Horizontal
3	5628.5	44.06	-41.35	32.54	-60.01	-13.00	47.01	Horizontal
4	7404.5	42.49	-38.28	36.71	-54.34	-13.00	41.34	Horizontal
5	11110	41.28	-37.76	40.20	-51.54	-13.00	38.54	Horizontal
6	16398	38.16	-34.83	38.79	-53.14	-13.00	40.14	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2930	37.69	-17.34	28.22	-46.69	-13.00	33.69	Vertical
2	3702	58.64	-44.52	29.31	-51.83	-13.00	38.83	Vertical
3	5553.5	48.14	-41.63	32.23	-56.52	-13.00	43.52	Vertical
4	7404.5	47.06	-38.28	36.71	-49.77	-13.00	36.77	Vertical
5	11106.5	42.28	-37.70	40.20	-50.48	-13.00	37.48	Vertical
6	16381	38.11	-34.92	38.74	-53.33	-13.00	40.33	Vertical



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Test Band = LTE_2_TM1

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2969.5	37.47	-17.13	28.42	-46.50	-13.00	33.50	Horizontal
2	3742	54.97	-44.69	29.55	-55.43	-13.00	42.43	Horizontal
3	5631.5	44.17	-41.35	32.54	-59.90	-13.00	46.90	Horizontal
4	7398.5	42.31	-38.29	36.69	-54.55	-13.00	41.55	Horizontal
5	11098.5	41.51	-37.58	40.20	-51.13	-13.00	38.13	Horizontal
6	16348.5	38.86	-35.10	38.65	-52.85	-13.00	39.85	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2981	37.42	-17.31	28.49	-46.66	-13.00	33.66	Vertical
2	3742	56.94	-44.69	29.55	-53.46	-13.00	40.46	Vertical
3	5613.5	44.96	-41.40	32.57	-59.13	-13.00	46.13	Vertical
4	7484.5	46.30	-38.29	36.87	-50.38	-13.00	37.38	Vertical
5	11034	40.73	-37.19	40.13	-51.59	-13.00	38.59	Vertical
6	16393.5	38.33	-34.86	38.78	-53.01	-13.00	40.01	Vertical



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Test Band = LTE_2_TM1

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2967	37.45	-17.20	28.40	-46.61	-13.00	33.61	Horizontal
2	3782	54.97	-44.85	29.73	-55.41	-13.00	42.41	Horizontal
3	5673.5	44.47	-41.22	32.50	-59.51	-13.00	46.51	Horizontal
4	7418	42.80	-38.28	36.74	-54.00	-13.00	41.00	Horizontal
5	10963.5	40.98	-37.14	40.14	-51.28	-13.00	38.28	Horizontal
6	16398	38.78	-34.83	38.79	-52.52	-13.00	39.52	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2983.5	37.54	-17.34	28.50	-46.56	-13.00	33.56	Vertical
2	3782	57.21	-44.85	29.73	-53.17	-13.00	40.17	Vertical
3	5673.5	48.00	-41.22	32.50	-55.98	-13.00	42.98	Vertical
4	7564.5	45.71	-38.63	36.52	-51.66	-13.00	38.66	Vertical
5	11071.5	41.04	-37.42	40.17	-51.47	-13.00	38.47	Vertical
6	16396.5	38.39	-34.84	38.79	-52.92	-13.00	39.92	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-6.78	-0.003606	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-4.19	-0.002229	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-15.03	-0.007995	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-7.75	-0.004122	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-8.08	-0.004298	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-5.21	-0.002771	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-9.74	-0.005181	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-11.06	-0.005883	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-12.26	-0.006521	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-7.38	-0.003926	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-5.89	-0.003133	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	5.29	0.002814	PASS

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