Appendix B.1

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	23.21	27.21	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.6	27.6	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.38	27.38	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.29	26.29	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.29	27.29	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.42	27.42	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.5	27.5	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.39	26.39	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.69	27.69	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.52	27.52	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.16	27.16	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.53	26.53	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.33	26.33	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.17	26.17	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.31	26.31	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.12	25.12	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.5	26.5	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.5	26.5	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.91	25.91	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.28	25.28	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.31	26.31	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.26	26.26	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.26	26.26	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.5	25.5	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.15	27.15	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.47	27.47	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.37	27.37	33	PASS

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Band2	3MHz	QPSK	18615	15RB#0	22.38	26.38	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.19	27.19	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.61	27.61	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.3	27.3	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.36	26.36	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.61	27.61	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.71	27.71	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.39	27.39	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.51	26.51	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.97	26.97	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.09	26.09	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.69	26.69	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.52	25.52	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.1	26.1	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.17	26.17	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.23	26.23	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.29	25.29	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.17	26.17	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.24	26.24	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.45	26.45	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.5	25.5	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.19	27.19	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.48	27.48	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.08	27.08	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.33	26.33	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.22	27.22	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.39	27.39	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.18	27.18	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.36	26.36	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.47	27.47	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.75	27.75	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.26	27.26	33	PASS

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Band2	5MHz	QPSK	19175	25RB#0	22.49	26.49	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.24	26.24	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.98	26.98	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.11	26.11	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.38	25.38	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.3	26.3	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.81	25.81	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.19	26.19	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.39	25.39	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.42	26.42	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.33	26.33	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.19	26.19	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.47	25.47	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.3	27.3	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.54	27.54	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.2	27.2	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.39	26.39	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.42	27.42	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.6	27.6	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.31	27.31	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.43	26.43	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.39	27.39	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.76	27.76	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.33	27.33	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.54	26.54	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.3	26.3	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.91	26.91	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.15	26.15	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.26	25.26	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.18	26.18	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	23.06	27.06	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.3	26.3	33	PASS

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Band2	10MHz	16QAM	18900	50RB#0	21.27	25.27	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.55	26.55	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.19	27.19	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.24	26.24	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.5	25.5	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.24	27.24	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.3	27.3	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.11	27.11	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.37	26.37	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.28	27.28	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.38	27.38	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.17	27.17	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.47	26.47	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.41	27.41	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.41	27.41	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.36	27.36	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.57	26.57	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.17	26.17	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.13	26.13	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.26	26.26	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.36	25.36	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.21	26.21	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.65	26.65	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.21	26.21	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.3	25.3	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.72	26.72	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.39	26.39	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.43	26.43	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.43	25.43	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.26	27.26	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.55	27.55	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.27	27.27	33	PASS

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Band2	20MHz	QPSK	18700	100RB#0	22.42	26.42	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.25	27.25	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.65	27.65	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.44	27.44	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.41	26.41	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.17	27.17	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.86	27.86	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.33	27.33	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.52	26.52	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.54	26.54	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.87	26.87	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.57	26.57	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.35	25.35	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.46	26.46	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.83	26.83	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.7	26.7	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.38	25.38	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.19	26.19	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.12	27.12	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.32	26.32	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.28	25.28	33	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	5.26	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.14	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.10	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.10	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.96	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.94	13	PASS

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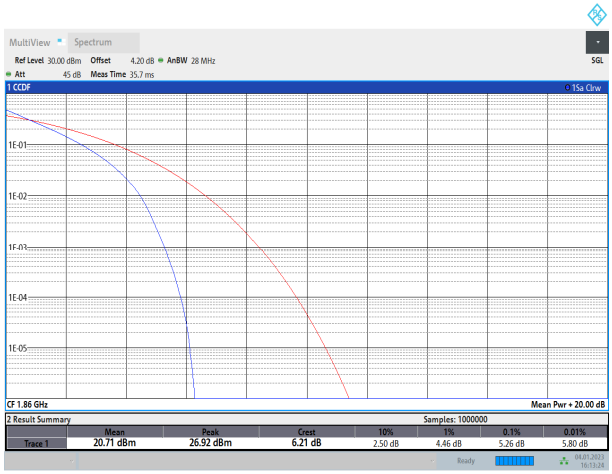
Test Graphs

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



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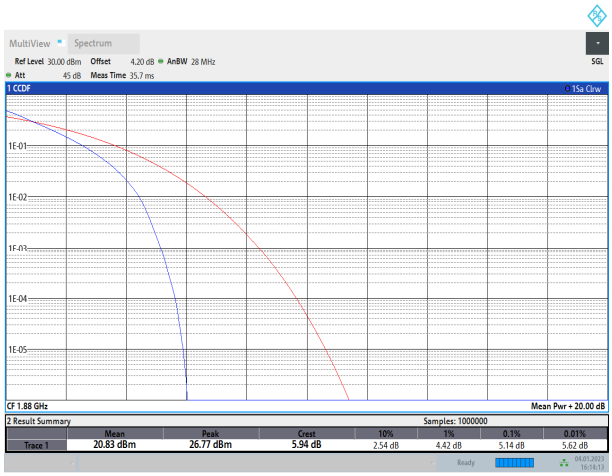
Band2-20MHz-QPSK-18900-100RB#0



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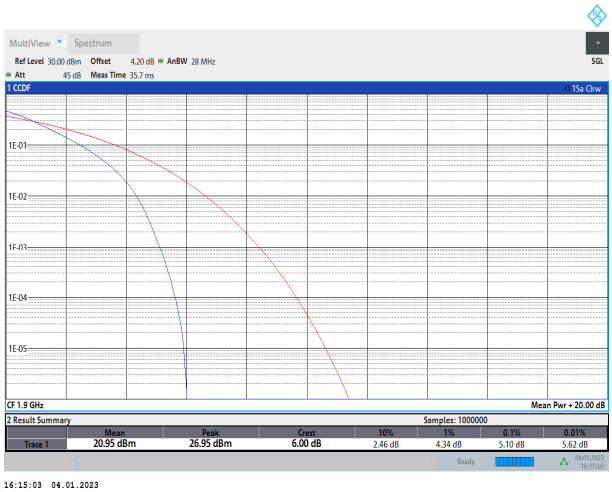
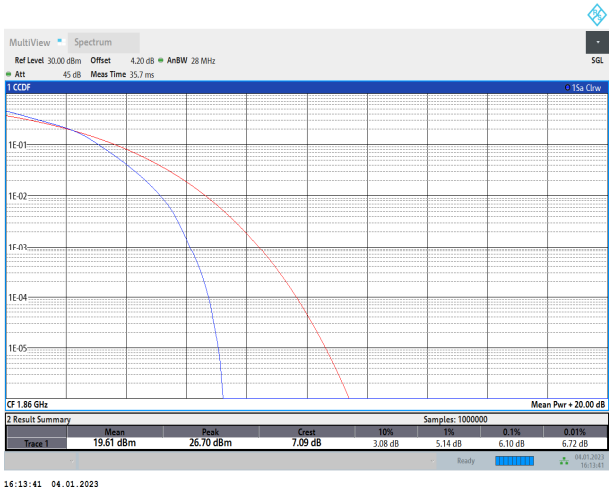
Band2-20MHz-QPSK-19100-100RB#0



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



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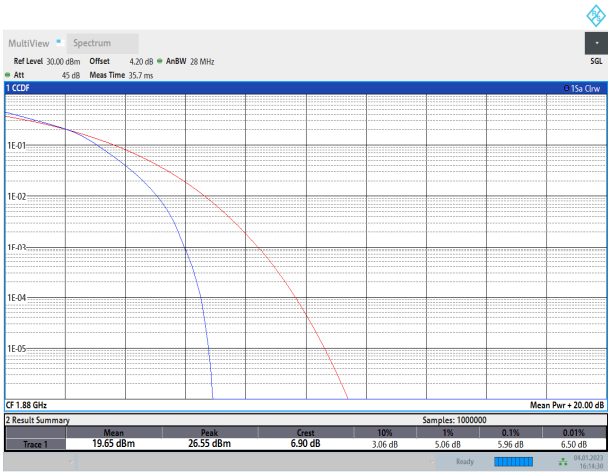
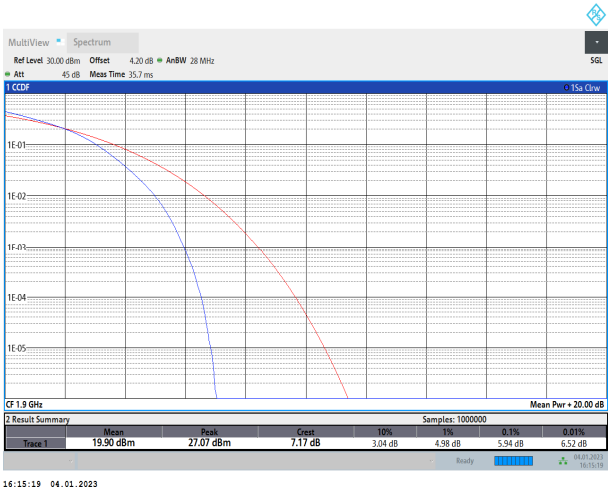
Band2-20MHz-16QAM-18900-100RB#0



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



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band2	20MHz	QPSK	18900	100RB#0	PASS	PASS
Band2	20MHz	16QAM	18900	100RB#0	PASS	PASS

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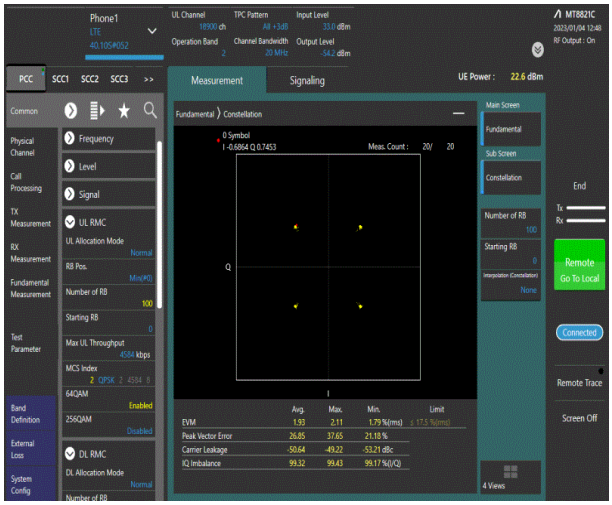
Test Graphs

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

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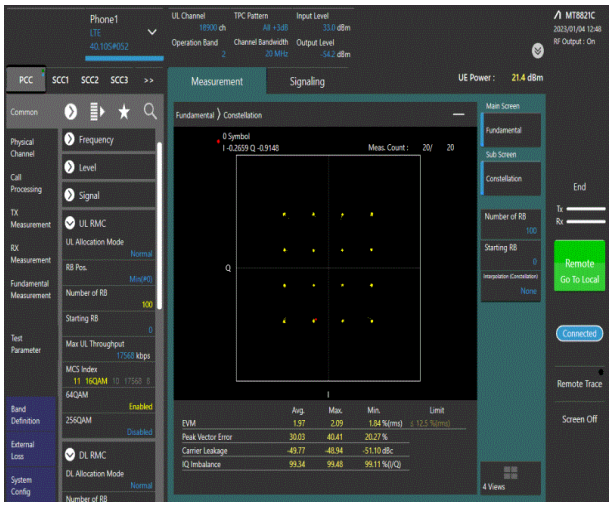

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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.111	1.27	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.086	1.28	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.086	1.29	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	1.25	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.096	1.30	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.097	1.30	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.692	2.94	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.691	2.96	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.695	2.96	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.689	2.98	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.685	2.97	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.688	2.98	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.46	4.64	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.465	4.89	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.468	4.90	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.463	4.94	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.461	4.95	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.467	4.93	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.928	9.72	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.923	9.70	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.914	9.72	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.899	9.68	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.905	9.62	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.908	9.70	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.439	14.79	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.421	14.67	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.405	14.64	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.424	14.76	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.402	14.64	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.388	14.70	PASS

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Band2	20MHz	QPSK	18700	100RB#0	17.889	19.24	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.89	19.44	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.829	19.40	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.868	19.32	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.862	19.36	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.807	19.32	PASS

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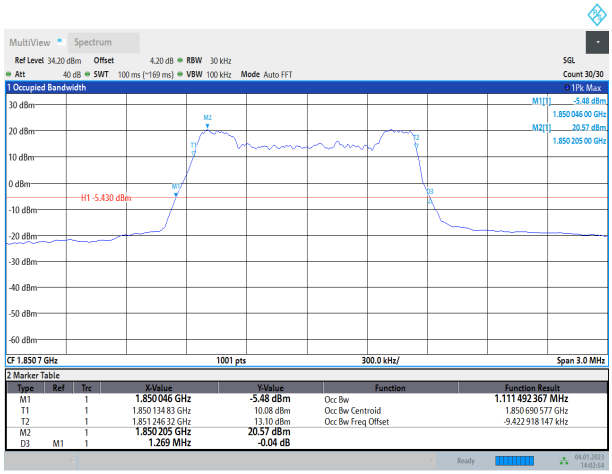
Test Graphs

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



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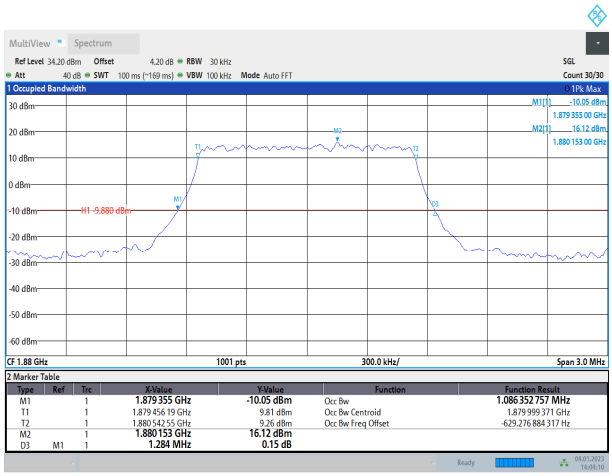

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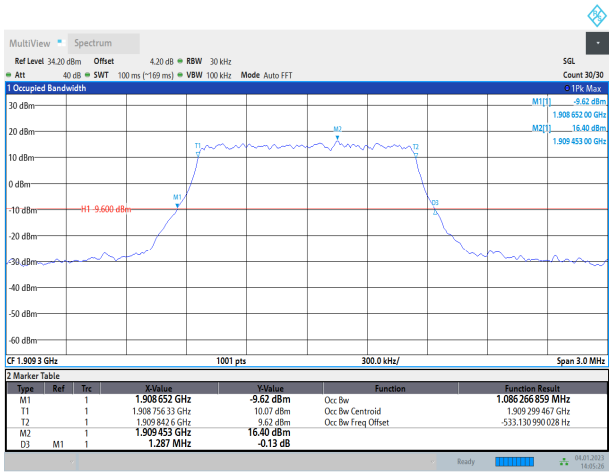
Band2-1.4MHz-QPSK-19193-6RB#0



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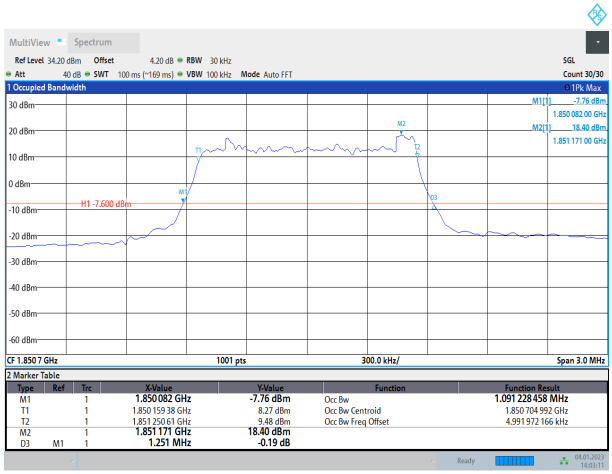
Band2-1.4MHz-16QAM-18607-6RB#0



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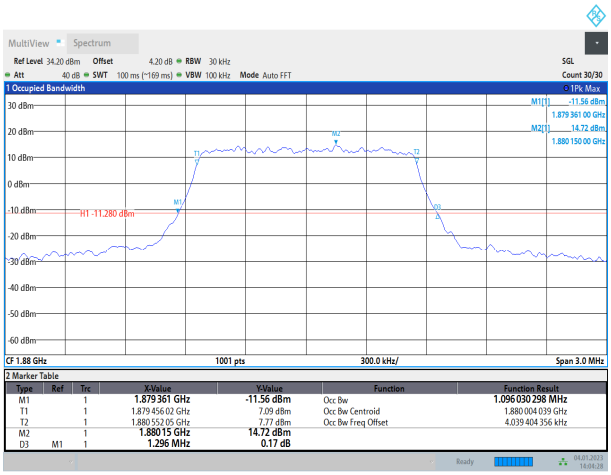
Band2-1.4MHz-16QAM-18900-6RB#0



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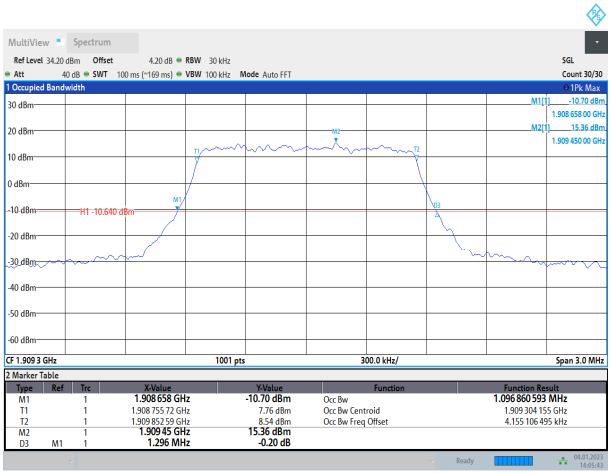
Band2-1.4MHz-16QAM-19193-6RB#0



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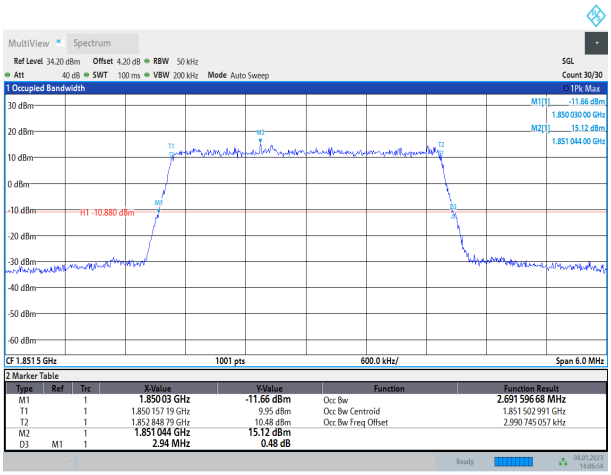
Band2-3MHz-QPSK-18615-15RB#0



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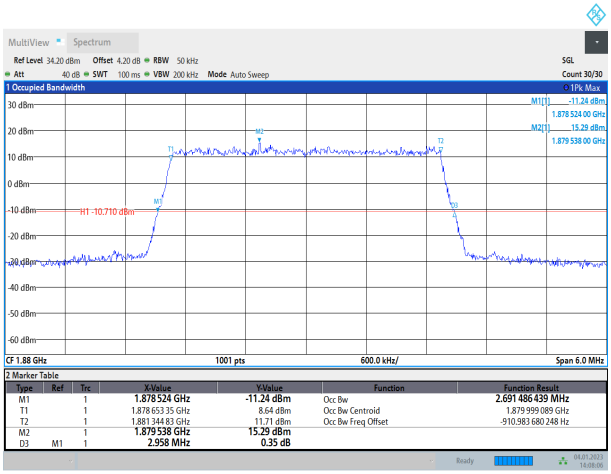

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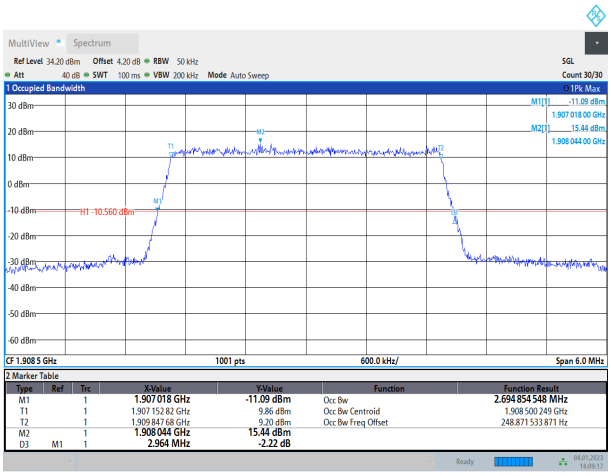
Band2-3MHz-QPSK-19185-15RB#0



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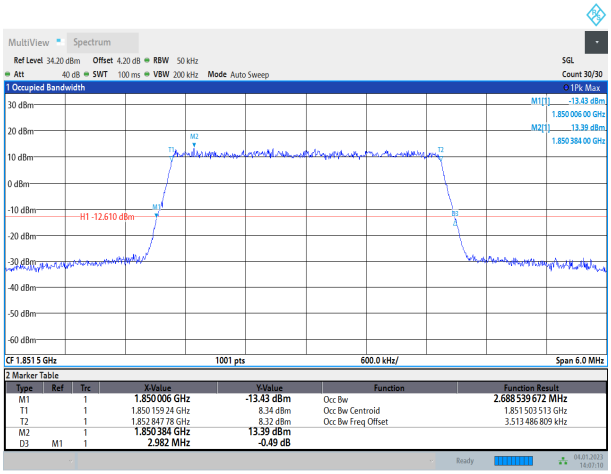
Band2-3MHz-16QAM-18615-15RB#0



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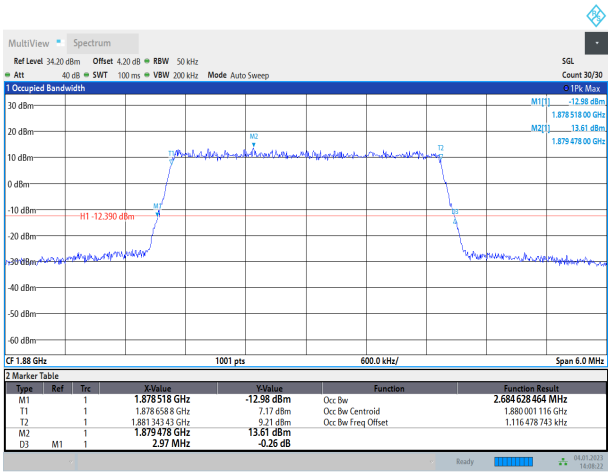
Band2-3MHz-16QAM-18900-15RB#0



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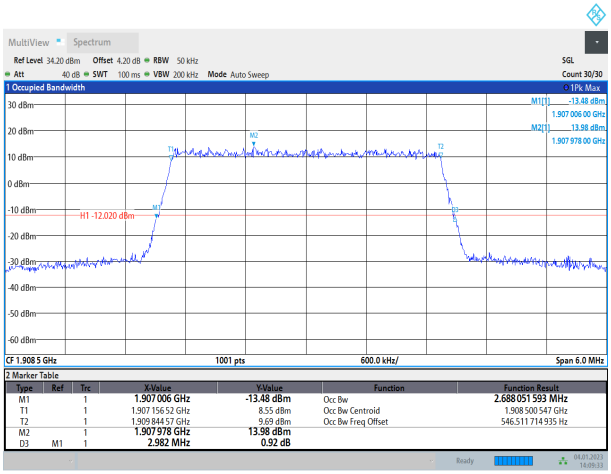

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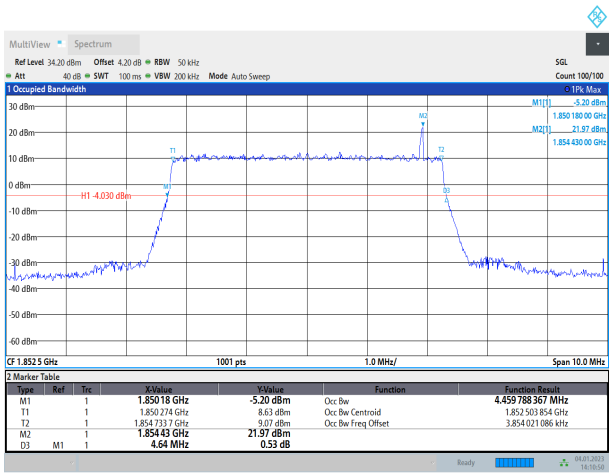
Band2-5MHz-QPSK-18625-25RB#0



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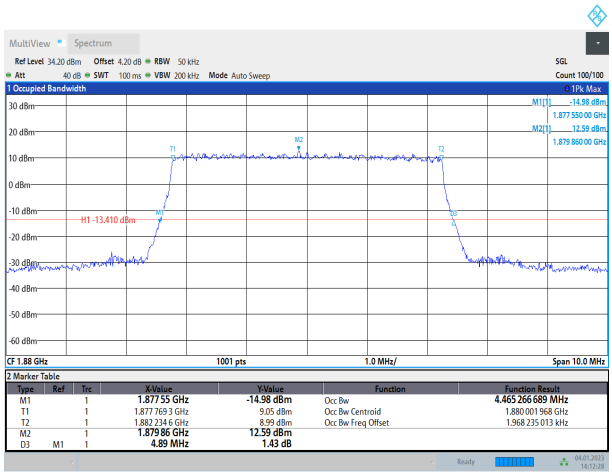

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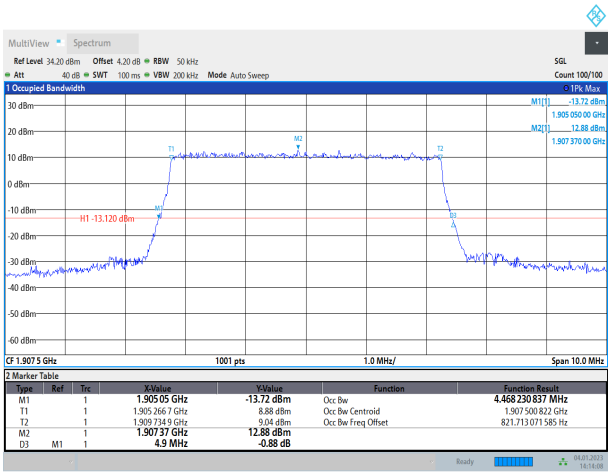
Band2-5MHz-QPSK-19175-25RB#0



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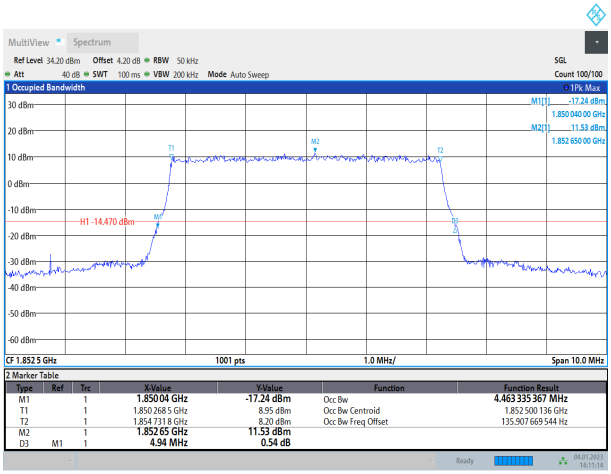
Band2-5MHz-16QAM-18625-25RB#0



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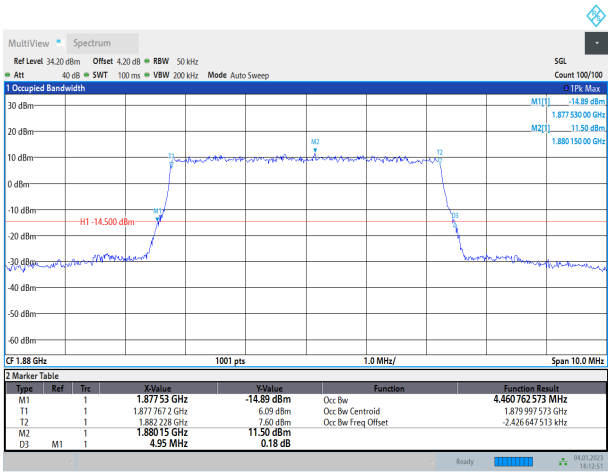
Band2-5MHz-16QAM-18900-25RB#0



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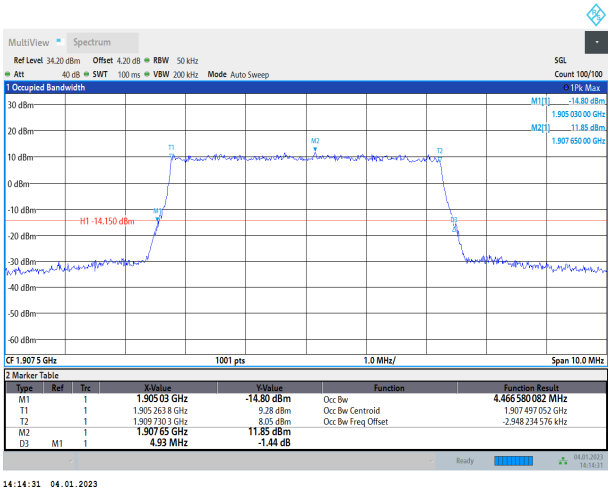

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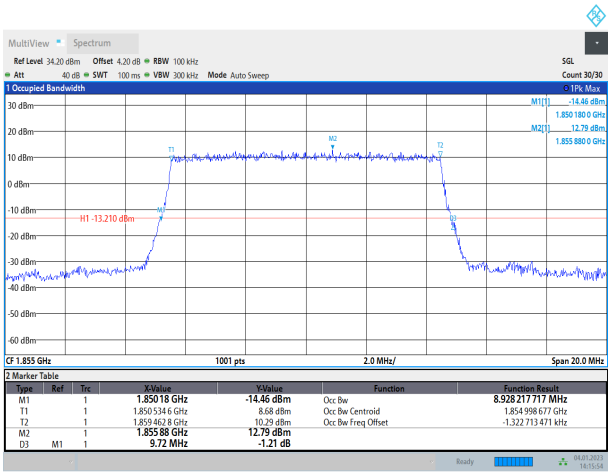
Band2-10MHz-QPSK-18650-50RB#0



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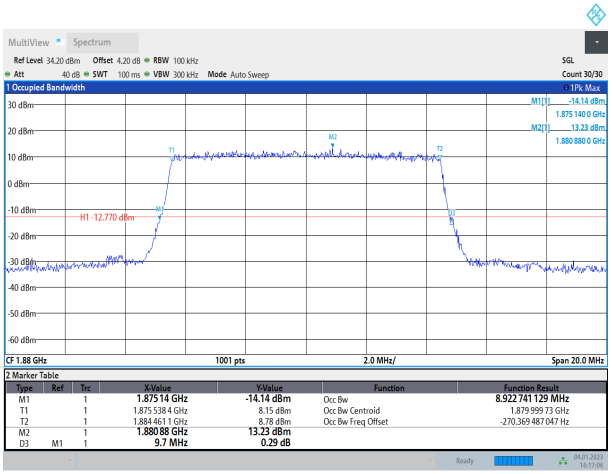
Band2-10MHz-QPSK-18900-50RB#0



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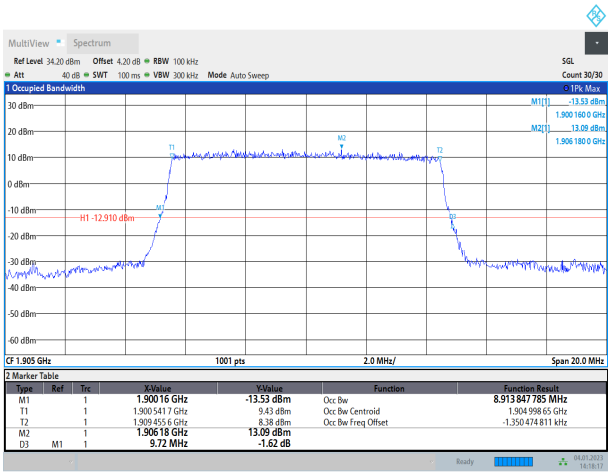
Band2-10MHz-QPSK-19150-50RB#0



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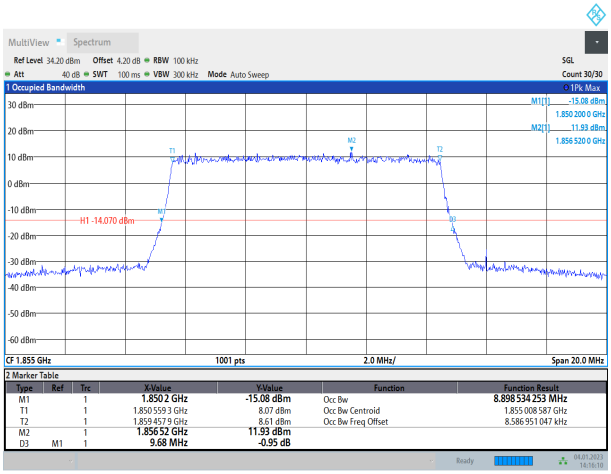

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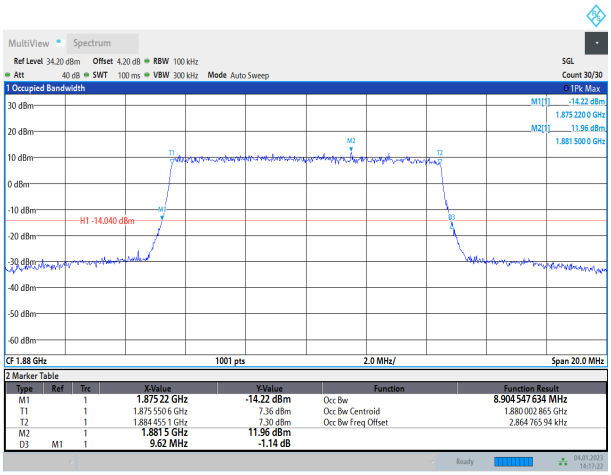
Band2-10MHz-16QAM-18900-50RB#0



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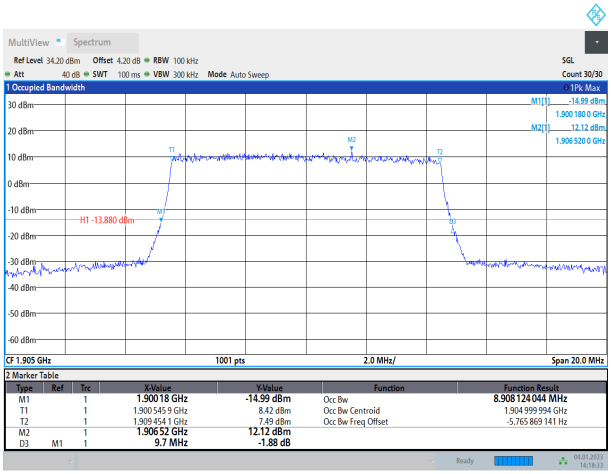

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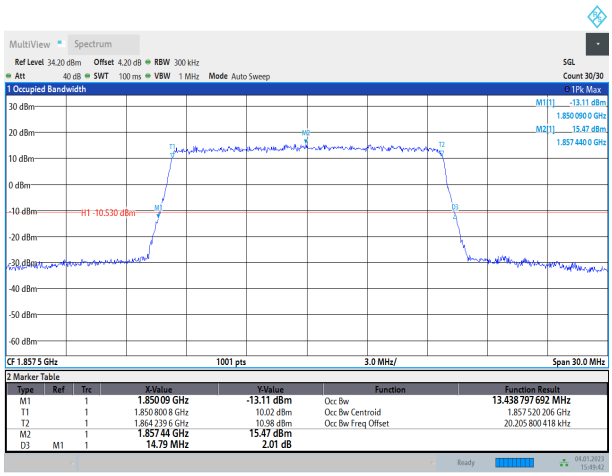
Band2-15MHz-QPSK-18675-75RB#0



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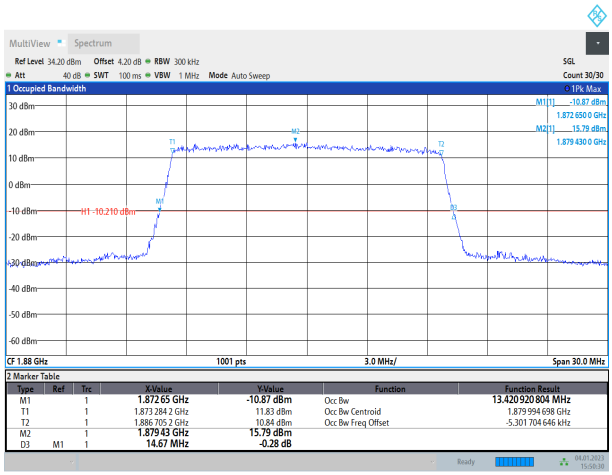

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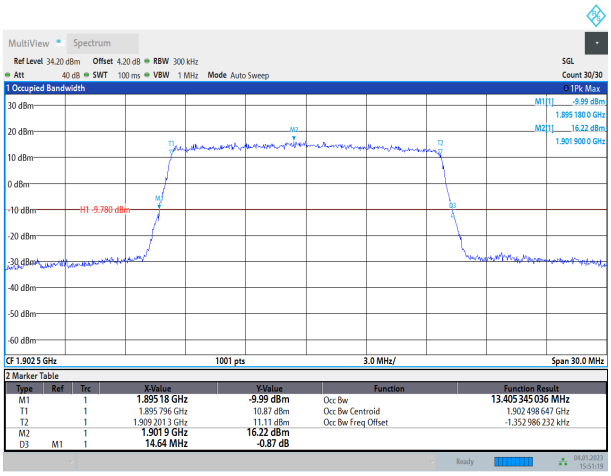
Band2-15MHz-QPSK-19125-75RB#0



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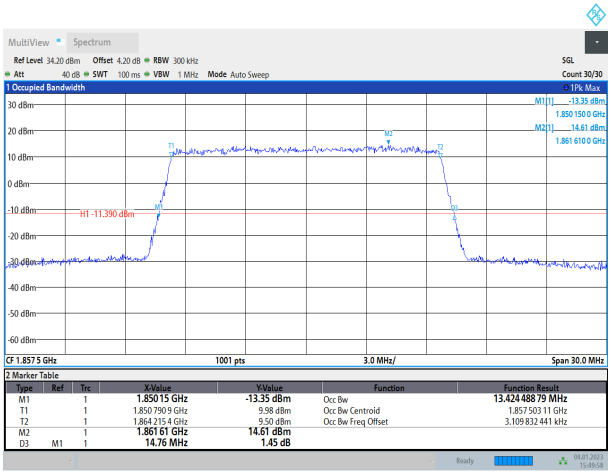

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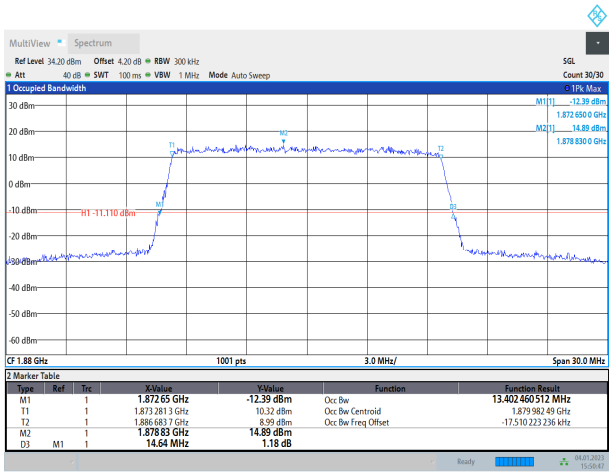
Band2-15MHz-16QAM-18900-75RB#0



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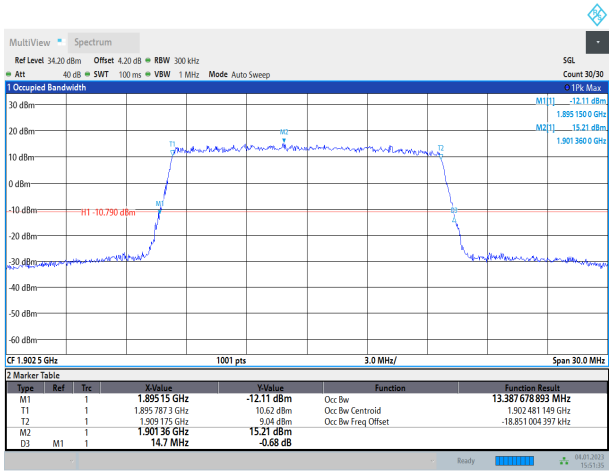

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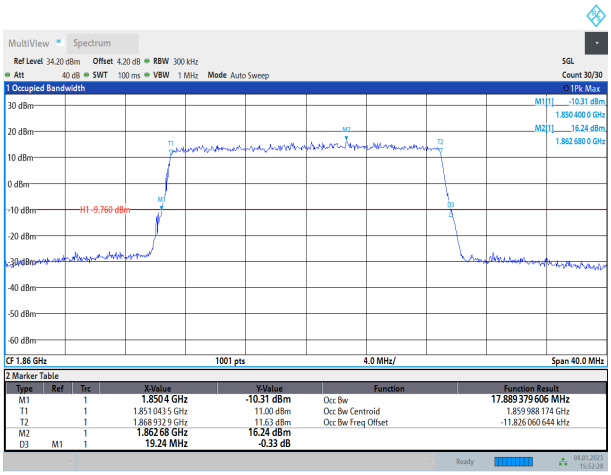
Band2-20MHz-QPSK-18700-100RB#0



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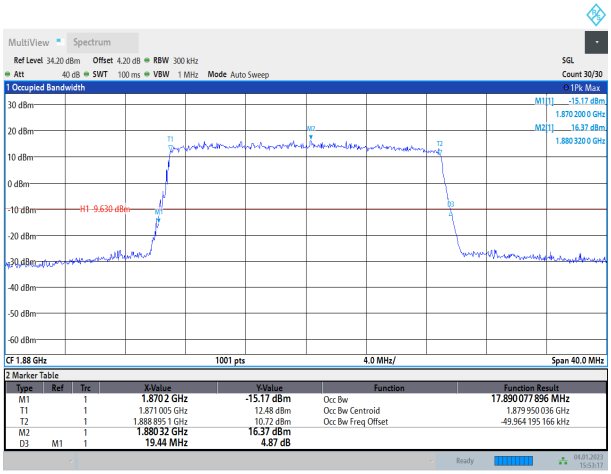

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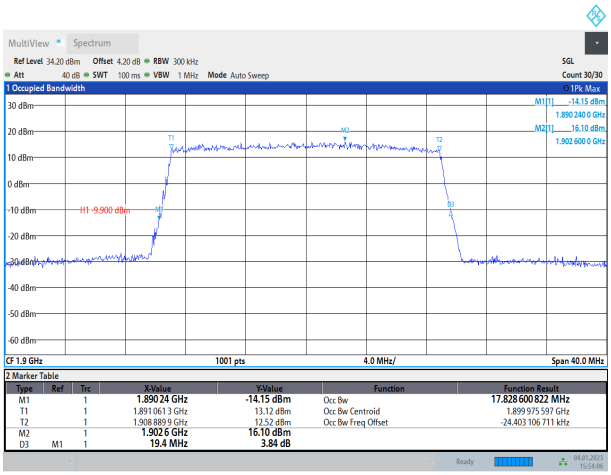
Band2-20MHz-QPSK-19100-100RB#0



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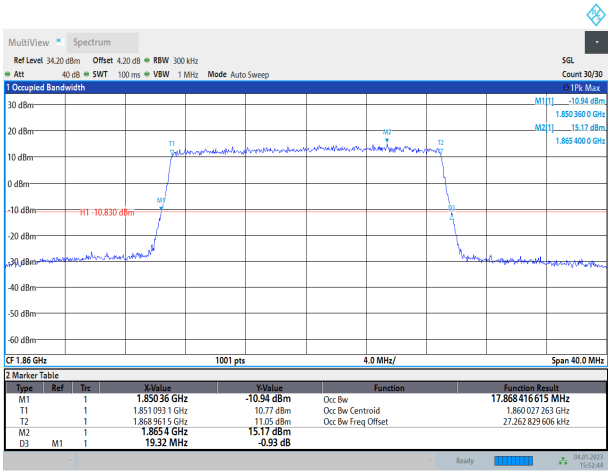

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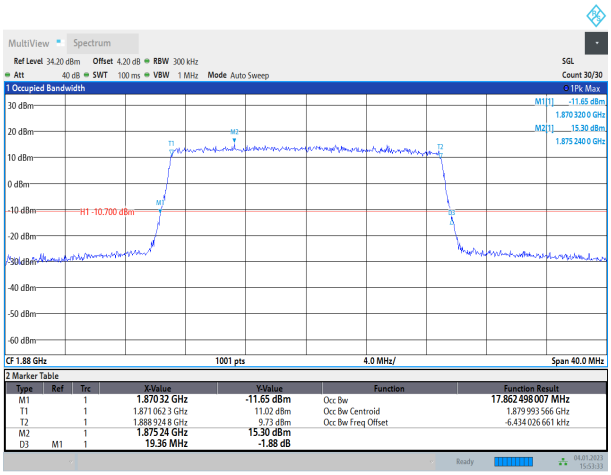
Band2-20MHz-16QAM-18900-100RB#0



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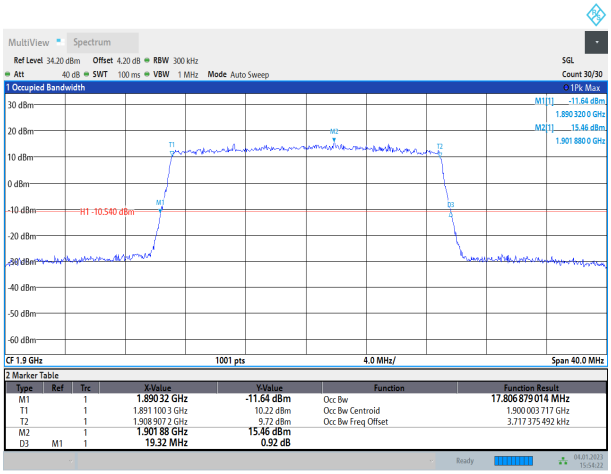

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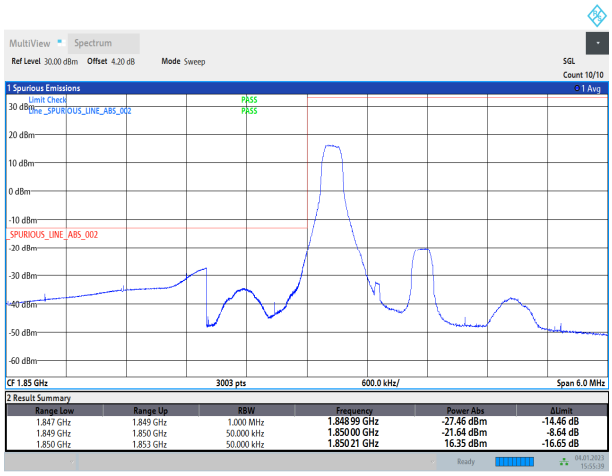
Band Edge

Test Graphs

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



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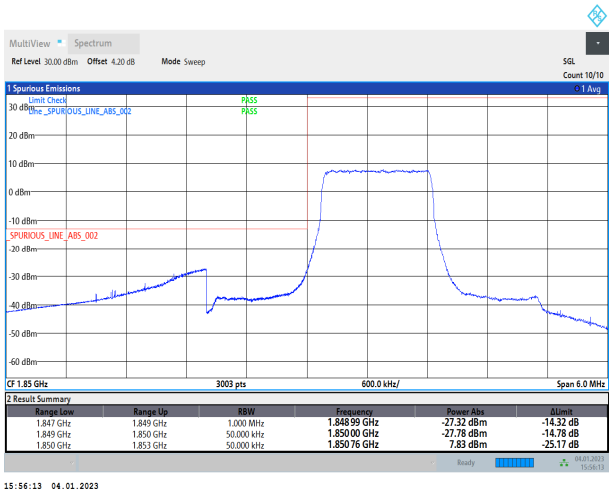

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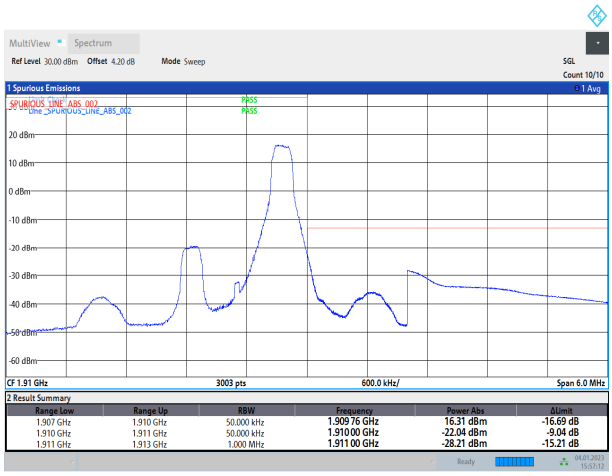
Band2-1.4MHz-QPSK-19193-1RB#5



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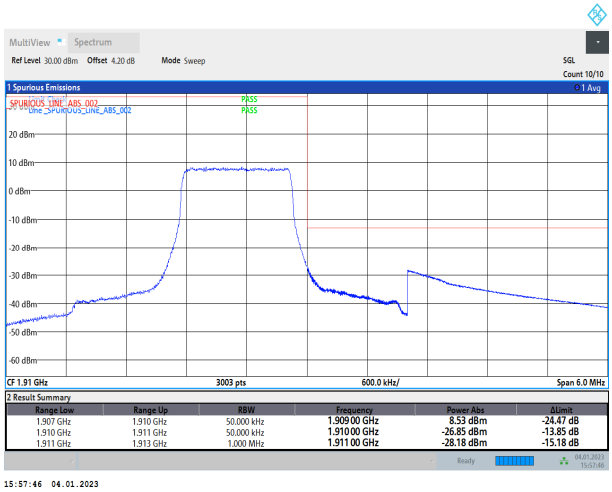

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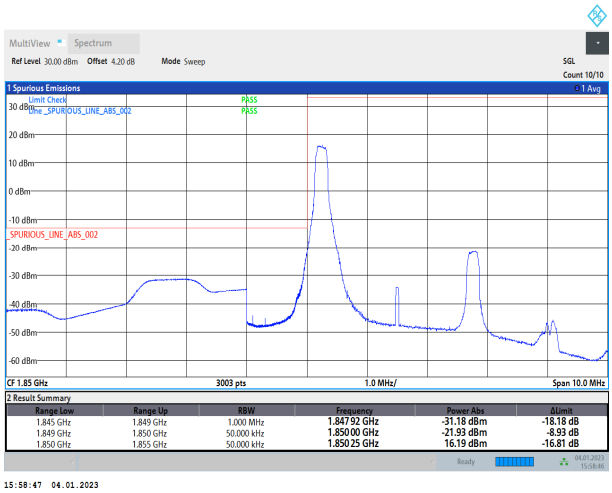
Band2-3MHz-QPSK-18615-1RB#0


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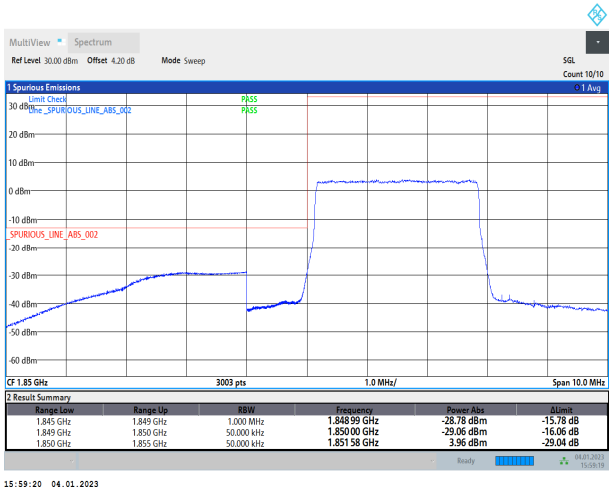

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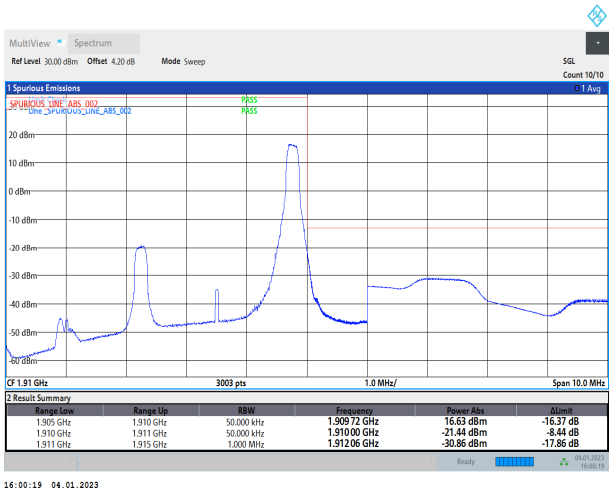

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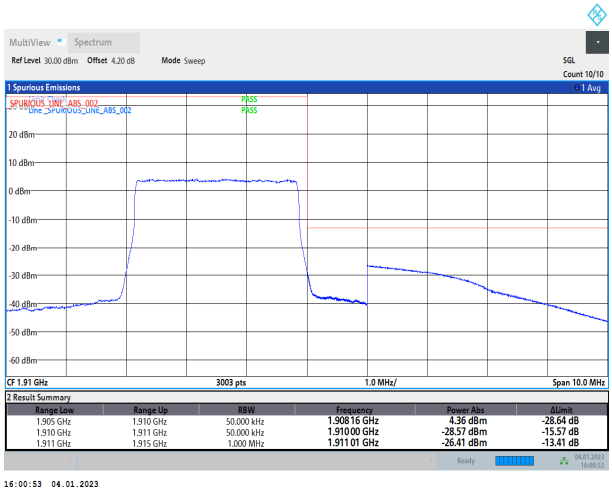

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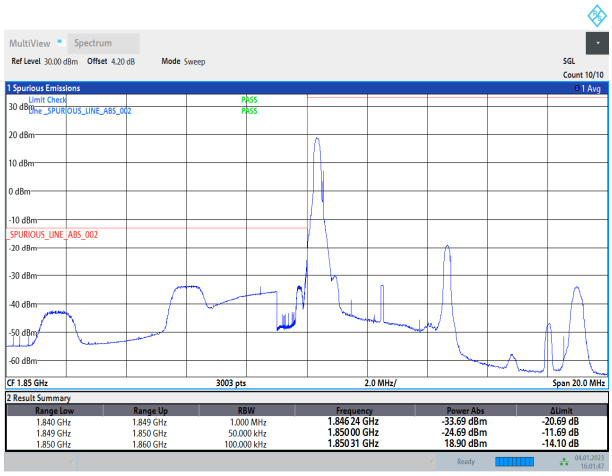
Band2-5MHz-QPSK-18625-1RB#0



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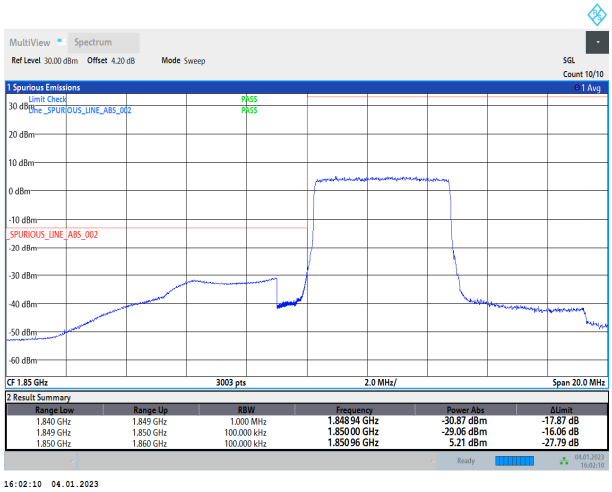

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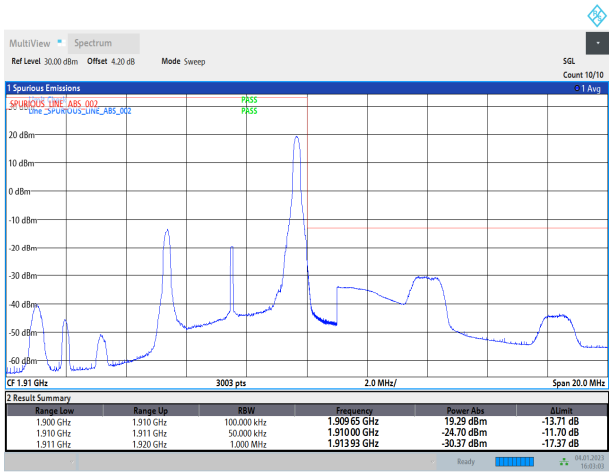
Band2-5MHz-QPSK-19175-1RB#24



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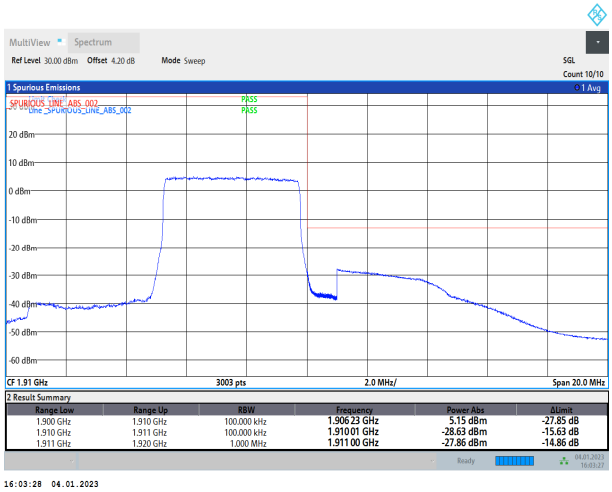

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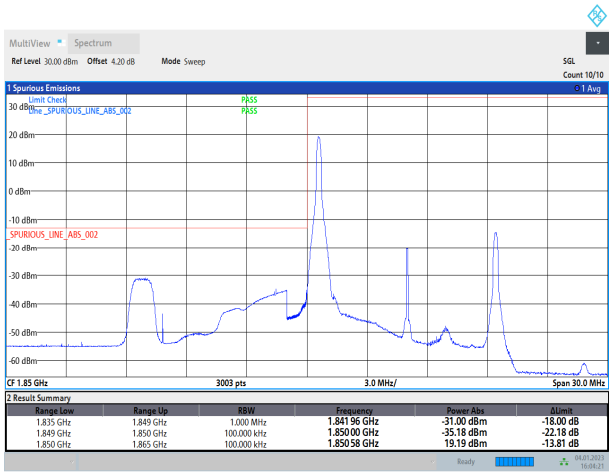
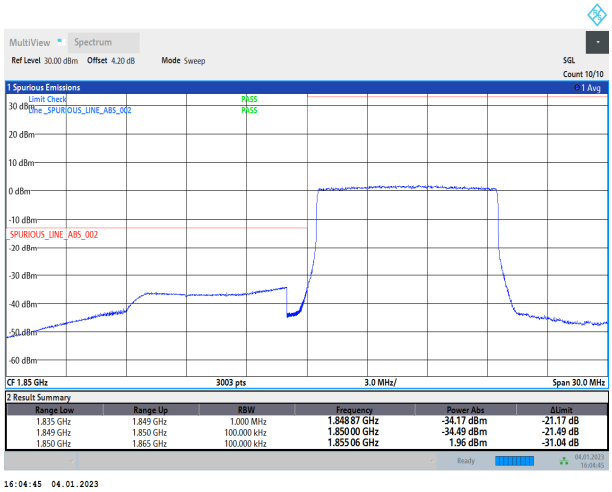
Band2-10MHz-QPSK-18650-1RB#0



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



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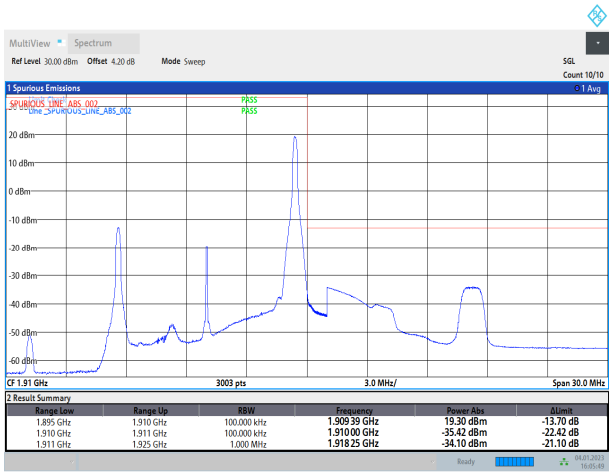
Band2-10MHz-QPSK-19150-1RB#49



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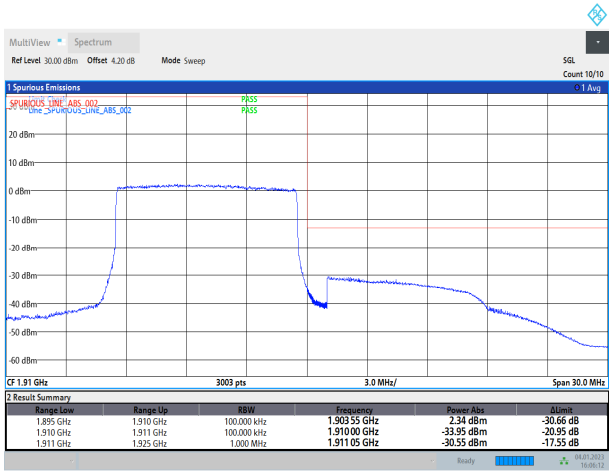
Band2-10MHz-QPSK-19150-50RB#0



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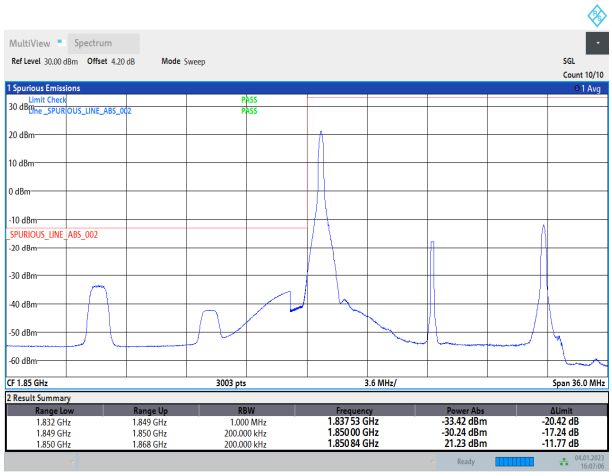
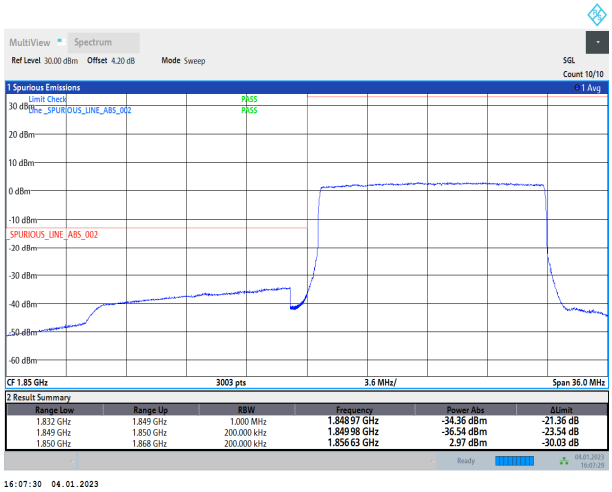
Band2-15MHz-QPSK-18675-1RB#0



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



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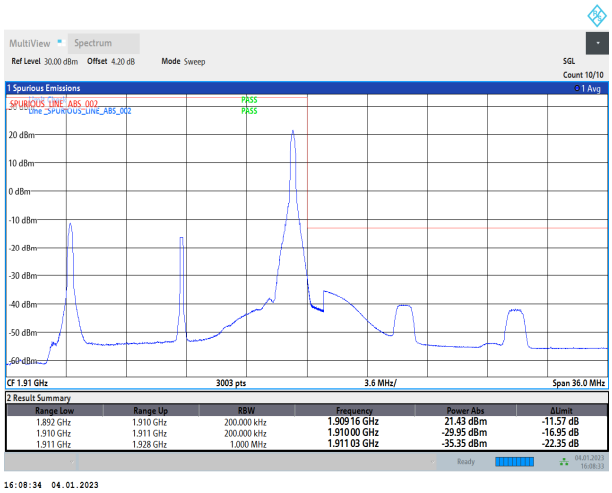
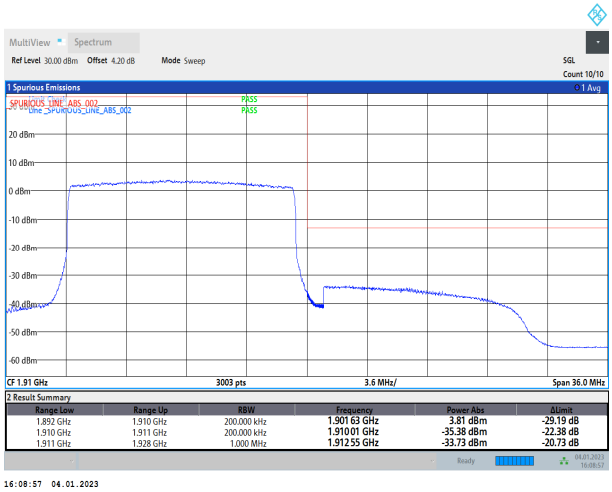
Band2-15MHz-QPSK-19125-1RB#74



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



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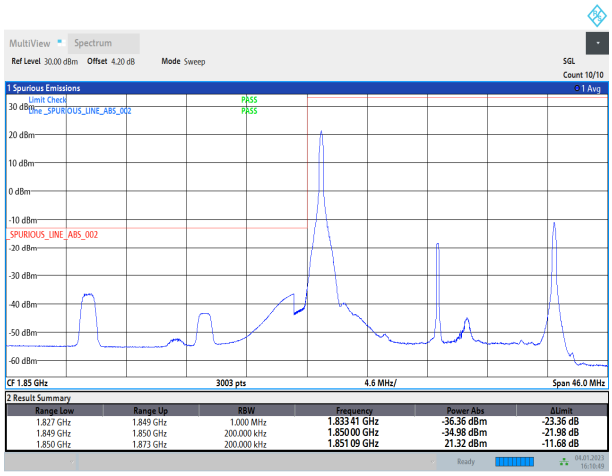
Band2-20MHz-QPSK-18700-1RB#0



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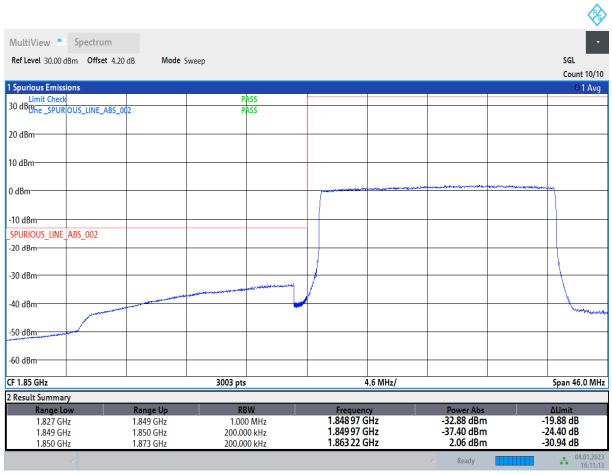
Band2-20MHz-QPSK-18700-100RB#0



16:11:13 04.01.2023

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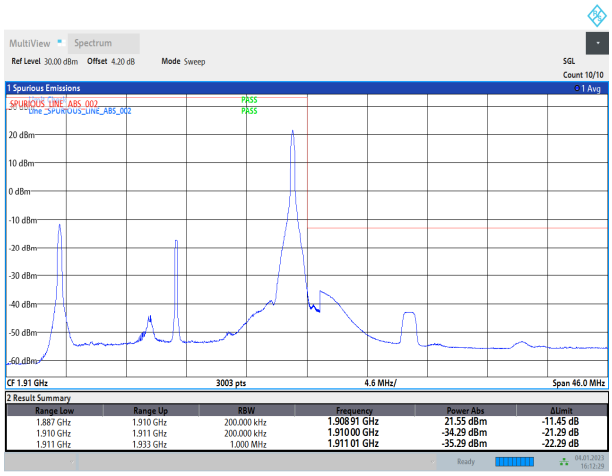
Band2-20MHz-QPSK-19100-1RB#99



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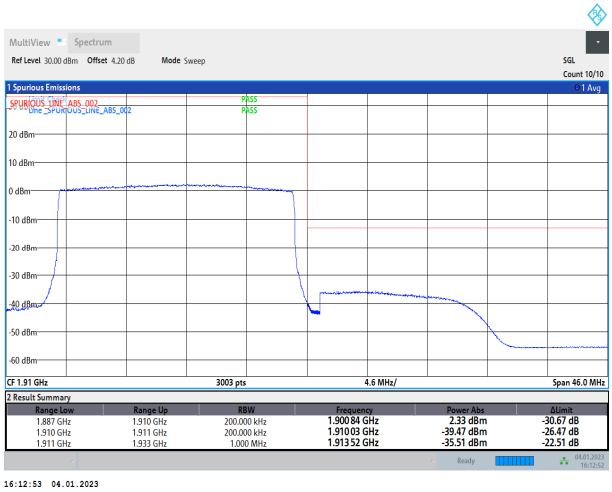

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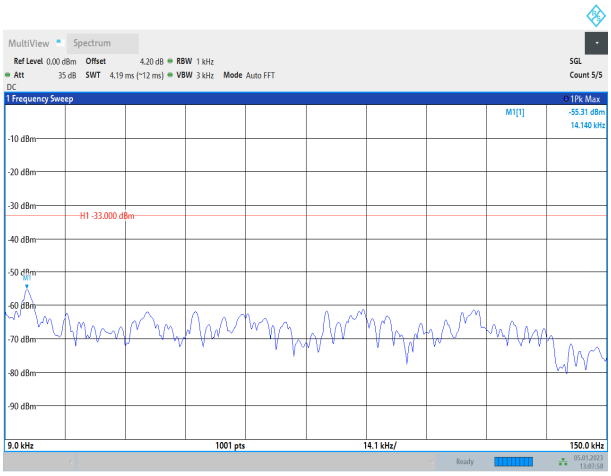
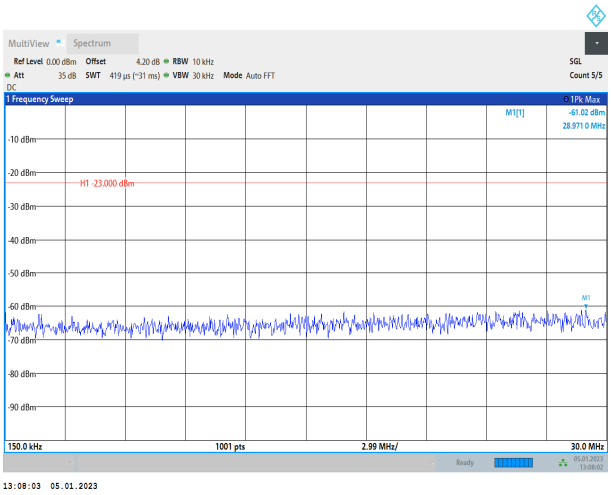
Conducted Spurious Emission

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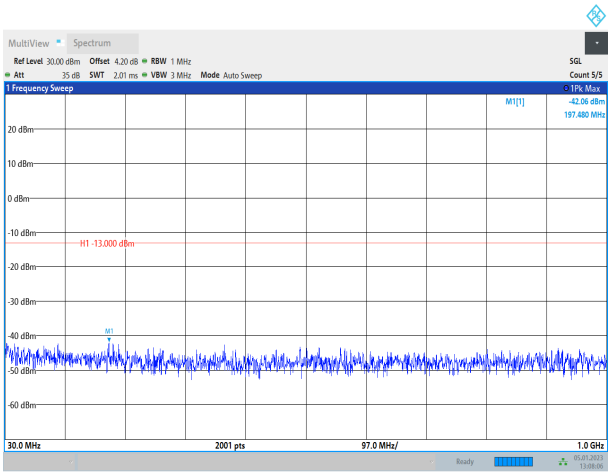
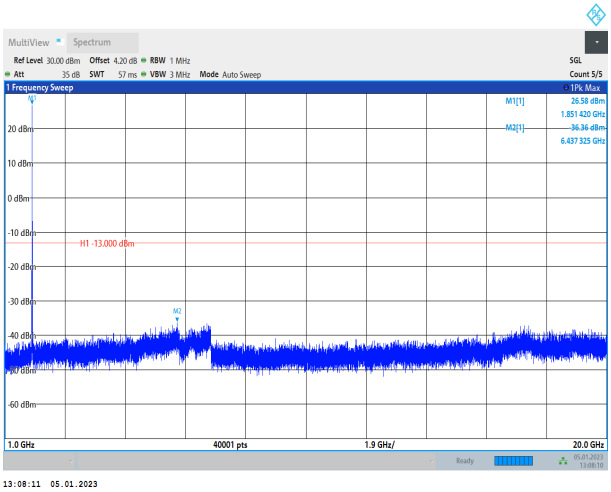
Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



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



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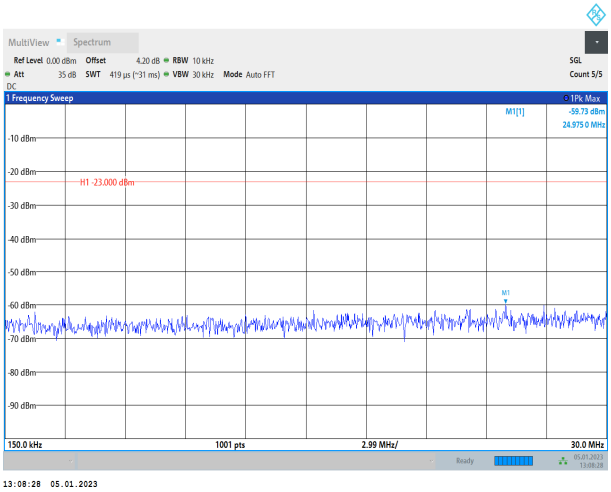
Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz

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



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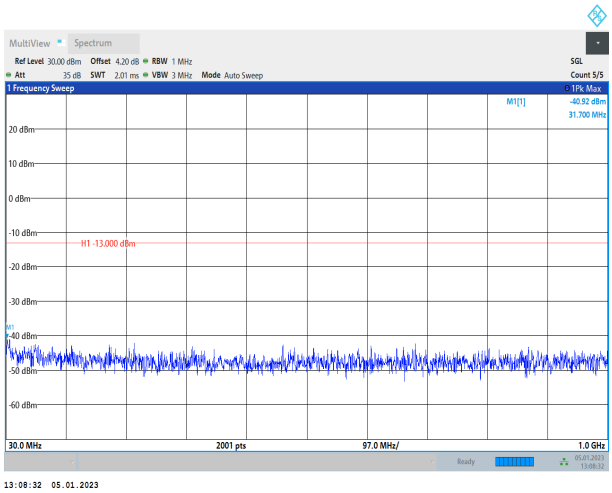
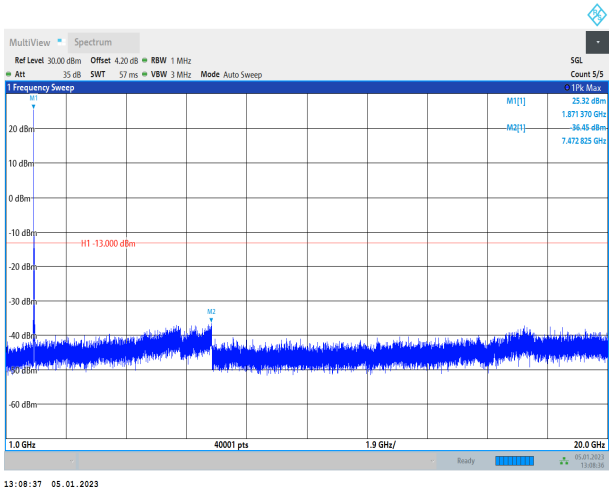
Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



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



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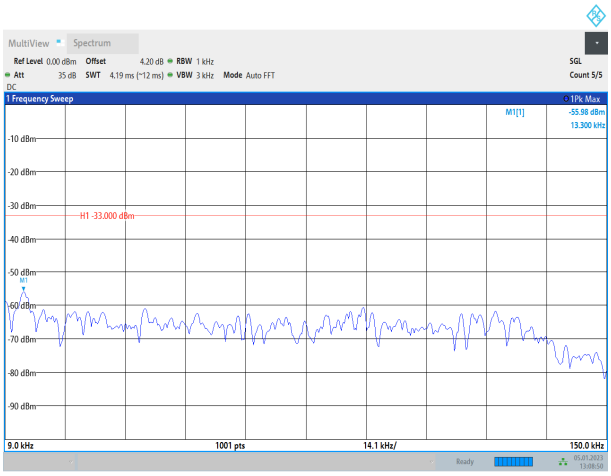
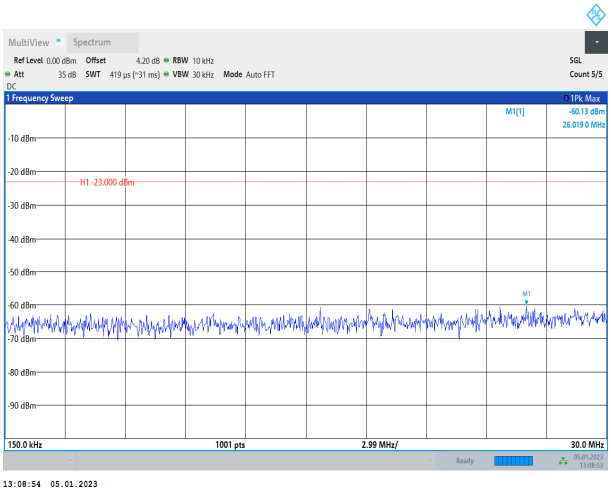
Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



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



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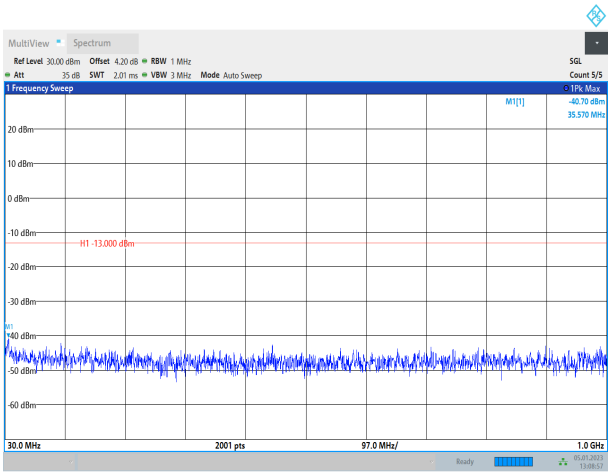
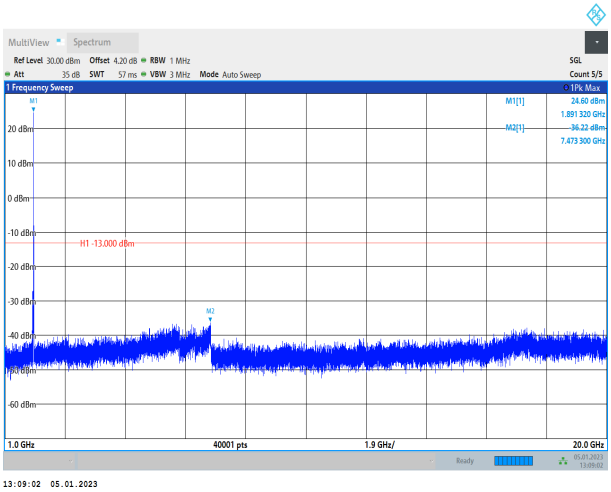
Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band2_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	40.44	-45.51	29.98	-70.35	-13.00	57.35	241	356	Horizontal
2	5553.2700	40.05	-45.15	32.97	-67.39	-13.00	54.39	123	28	Horizontal
3	7404.3600	39.28	-43.40	36.49	-62.89	-13.00	49.89	265	1	Horizontal
4	9255.4500	35.21	-40.23	38.38	-61.90	-13.00	48.90	185	2	Horizontal
5	11106.5400	31.96	-37.93	39.09	-62.14	-13.00	49.14	142	0	Horizontal
6	12957.6300	30.68	-37.24	39.79	-62.03	-13.00	49.03	169	239	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	40.35	-45.51	29.98	-70.44	-13.00	57.44	148	29	Vertical
2	5553.2700	39.74	-45.15	32.97	-67.70	-13.00	54.70	175	60	Vertical
3	7404.3600	39.67	-43.40	36.49	-62.50	-13.00	49.50	146	331	Vertical
4	9255.4500	35.48	-40.23	38.38	-61.63	-13.00	48.63	259	105	Vertical
5	11106.5400	31.80	-37.93	39.09	-62.30	-13.00	49.30	291	0	Vertical
6	12957.6300	31.55	-37.24	39.79	-61.16	-13.00	48.16	142	226	Vertical

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Test Band = LTE Band2_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	40.57	-45.68	30.12	-70.25	-13.00	57.25	236	225	Horizontal
2	5613.2700	39.82	-45.04	33.07	-67.41	-13.00	54.41	251	344	Horizontal
3	7484.3600	38.70	-43.18	36.45	-63.29	-13.00	50.29	148	165	Horizontal
4	9355.4500	34.11	-40.00	38.46	-62.70	-13.00	49.70	175	59	Horizontal
5	11226.5400	33.04	-37.40	39.11	-60.51	-13.00	47.51	142	254	Horizontal
6	13097.6300	30.42	-37.01	39.87	-61.97	-13.00	48.97	166	314	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	39.99	-45.68	30.12	-70.83	-13.00	57.83	274	132	Vertical
2	5613.2700	39.29	-45.04	33.07	-67.94	-13.00	54.94	142	6	Vertical
3	7484.3600	38.60	-43.18	36.45	-63.39	-13.00	50.39	156	72	Vertical
4	9355.4500	34.55	-40.00	38.46	-62.26	-13.00	49.26	269	163	Vertical
5	11226.5400	33.38	-37.40	39.11	-60.17	-13.00	47.17	253	238	Vertical
6	13097.6300	31.31	-37.01	39.87	-61.08	-13.00	48.08	211	344	Vertical

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Test Band = LTE Band2_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	41.22	-45.85	30.27	-69.62	-13.00	56.62	178	0	Horizontal
2	5673.2700	39.97	-44.91	33.29	-66.91	-13.00	53.91	198	90	Horizontal
3	7564.3600	37.83	-43.00	36.41	-64.03	-13.00	51.03	175	150	Horizontal
4	9455.4500	35.53	-40.05	38.48	-61.31	-13.00	48.31	142	330	Horizontal
5	11346.5400	32.72	-37.40	39.11	-60.83	-13.00	47.83	136	356	Horizontal
6	13237.6300	31.41	-37.08	39.96	-60.96	-13.00	47.96	258	104	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	41.99	-45.85	30.27	-68.85	-13.00	55.85	125	0	Vertical
2	5673.2700	39.37	-44.91	33.29	-67.51	-13.00	54.51	148	287	Vertical
3	7564.3600	38.23	-43.00	36.41	-63.63	-13.00	50.63	186	182	Vertical
4	9455.4500	36.14	-40.05	38.48	-60.70	-13.00	47.70	266	1	Vertical
5	11346.5400	32.51	-37.40	39.11	-61.04	-13.00	48.04	291	301	Vertical
6	13237.6300	31.34	-37.08	39.96	-61.03	-13.00	48.03	174	301	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

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-3.40	-0.001809	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-4.10	-0.002181	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-2.60	-0.001383	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-4.10	-0.002181	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-3.30	-0.001755	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-0.90	-0.000479	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-1.60	-0.000851	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-3.90	-0.002074	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-4.50	-0.002394	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-3.50	-0.001862	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-3.00	-0.001596	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-2.50	-0.001330	PASS

---End of Attachment---

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