

Appendix B.3

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	22.97	24.97	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.13	25.13	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.99	24.99	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.09	24.09	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.85	24.85	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.01	25.01	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.86	24.86	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.98	23.98	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.76	24.76	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.86	24.86	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.75	24.75	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.85	23.85	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.14	24.14	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.33	24.33	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.15	24.15	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.20	23.20	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.03	24.03	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.27	24.27	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.10	24.10	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.06	23.06	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.02	24.02	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.16	24.16	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.04	24.04	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.99	22.99	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.04	25.04	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.07	25.07	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.03	25.03	33.00	PASS



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Wireless Laboratory

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Band2	3MHz	QPSK	18615	15RB#0	22.11	24.11	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.93	24.93	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.93	24.93	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.93	24.93	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.95	23.95	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.79	24.79	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.81	24.81	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.85	24.85	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.84	23.84	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.33	24.33	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.27	24.27	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.25	24.25	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.13	23.13	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.13	24.13	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.14	24.14	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.09	24.09	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.98	22.98	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.99	23.99	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.02	24.02	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.11	24.11	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.87	22.87	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.96	24.96	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.18	25.18	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.95	24.95	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.10	24.10	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.85	24.85	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.10	25.10	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.80	24.80	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.97	23.97	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.73	24.73	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.03	25.03	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.75	24.75	33.00	PASS



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Band2	5MHz	QPSK	19175	25RB#0	21.84	23.84	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.09	24.09	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.33	24.33	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.24	24.24	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.14	23.14	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.00	24.00	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.31	24.31	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.03	24.03	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.98	22.98	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.86	23.86	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.22	24.22	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.95	23.95	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.87	22.87	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.03	25.03	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.15	25.15	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.06	25.06	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.12	24.12	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.89	24.89	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.01	25.01	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.87	24.87	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.98	23.98	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.79	24.79	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.91	24.91	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.86	24.86	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.84	23.84	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.22	24.22	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.44	24.44	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.26	24.26	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.14	23.14	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.10	24.10	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.27	24.27	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.15	24.15	33.00	PASS



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Band2	10MHz	16QAM	18900	50RB#0	20.97	22.97	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.03	24.03	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.15	24.15	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.08	24.08	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.88	22.88	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.93	24.93	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.10	25.10	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.95	24.95	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.13	24.13	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.85	24.85	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.96	24.96	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.77	24.77	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.97	23.97	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.75	24.75	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.84	24.84	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.77	24.77	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.87	23.87	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.03	24.03	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.30	24.30	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.18	24.18	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.13	23.13	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.13	24.13	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.12	24.12	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.92	23.92	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.97	22.97	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.04	24.04	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.08	24.08	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.05	24.05	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.88	22.88	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.75	24.75	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.20	25.20	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.81	24.81	33.00	PASS



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Band2	20MHz	QPSK	18700	100RB#0	22.14	24.14	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.67	24.67	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.00	25.00	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.60	24.60	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.95	23.95	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.56	24.56	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.96	24.96	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.59	24.59	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.87	23.87	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.96	23.96	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.45	24.45	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.97	23.97	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.17	23.17	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.86	23.86	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.29	24.29	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.83	23.83	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.96	22.96	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.80	23.80	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.24	24.24	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.76	23.76	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.88	22.88	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

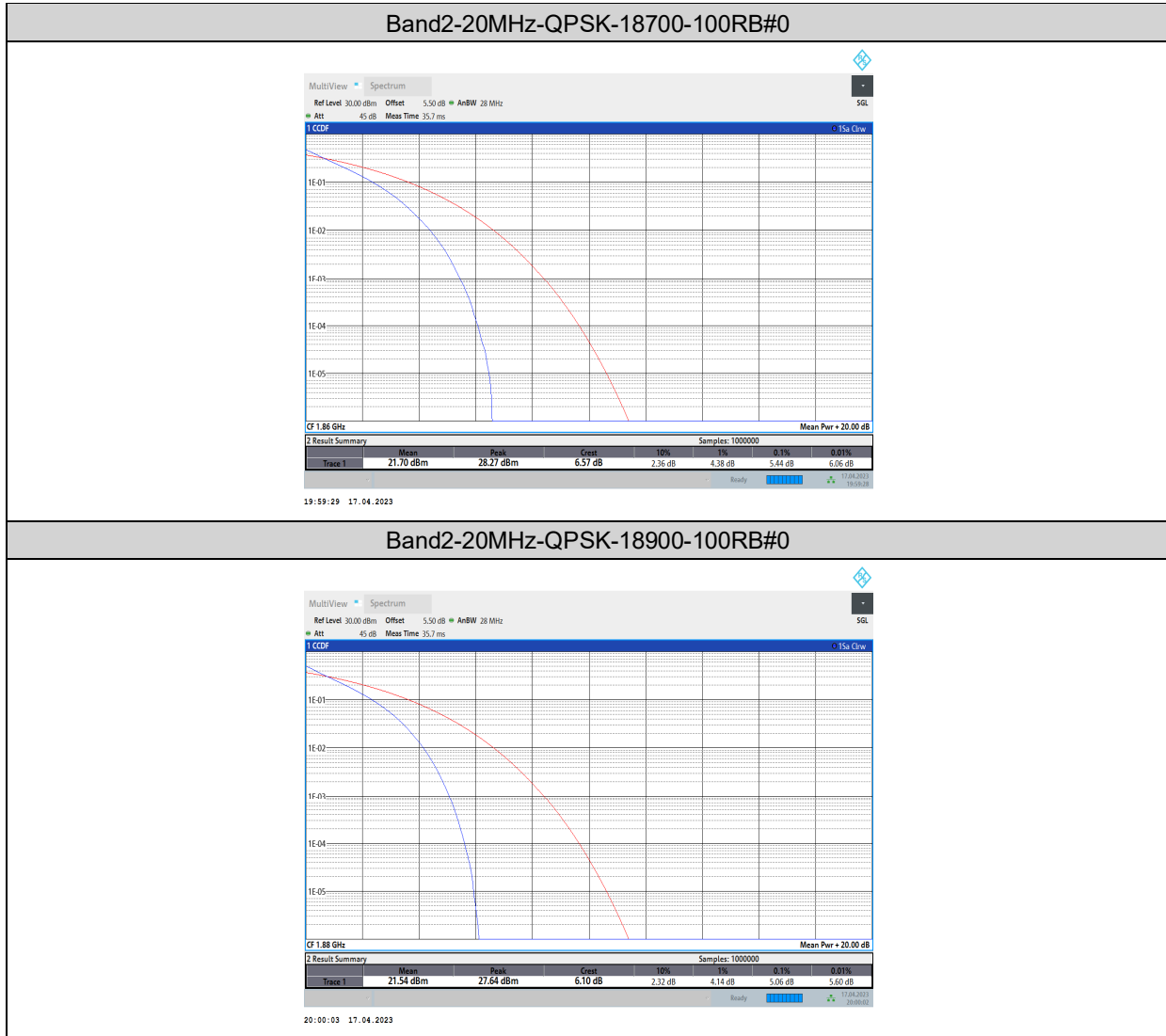
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.44	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.06	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.38	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.20	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.76	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.18	13	PASS



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Test Graphs

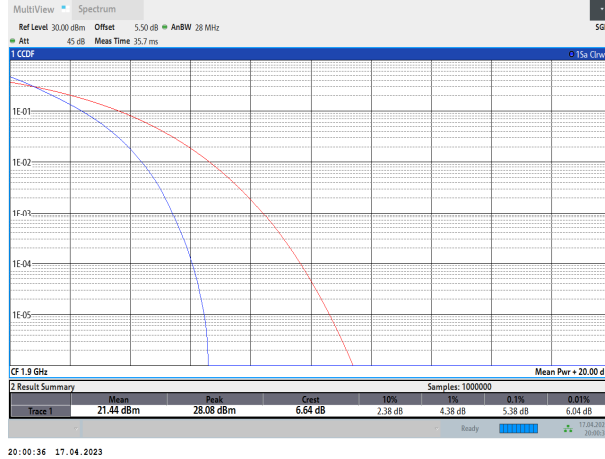


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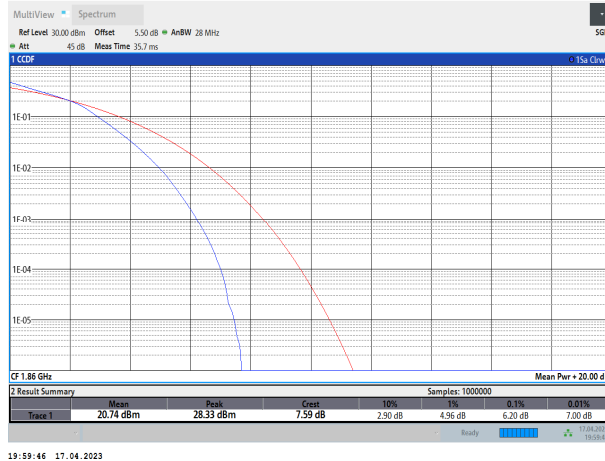
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Band2-20MHz-QPSK-19100-100RB#0



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

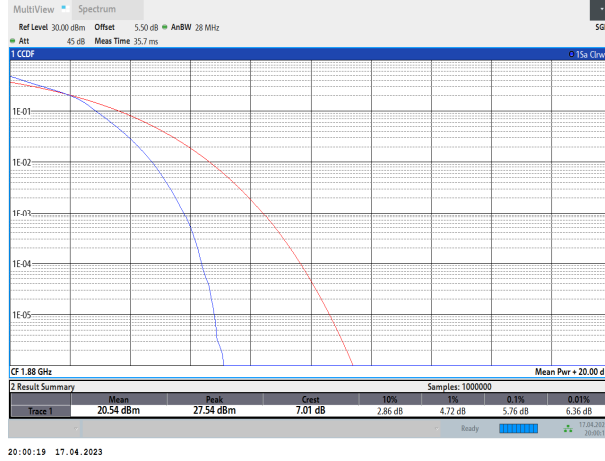


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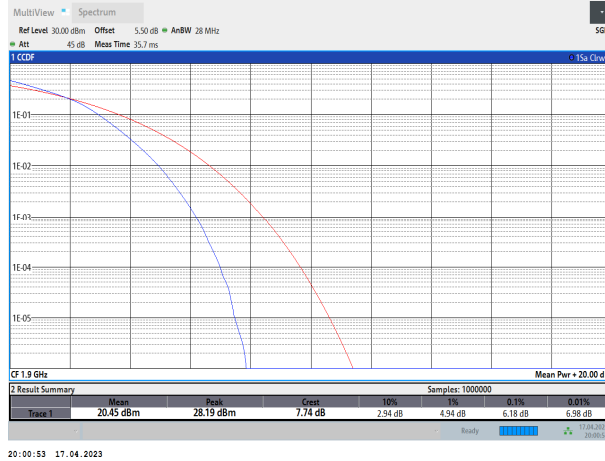
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Band2-20MHz-16QAM-18900-100RB#0



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



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Modulation Characteristics

Test Result

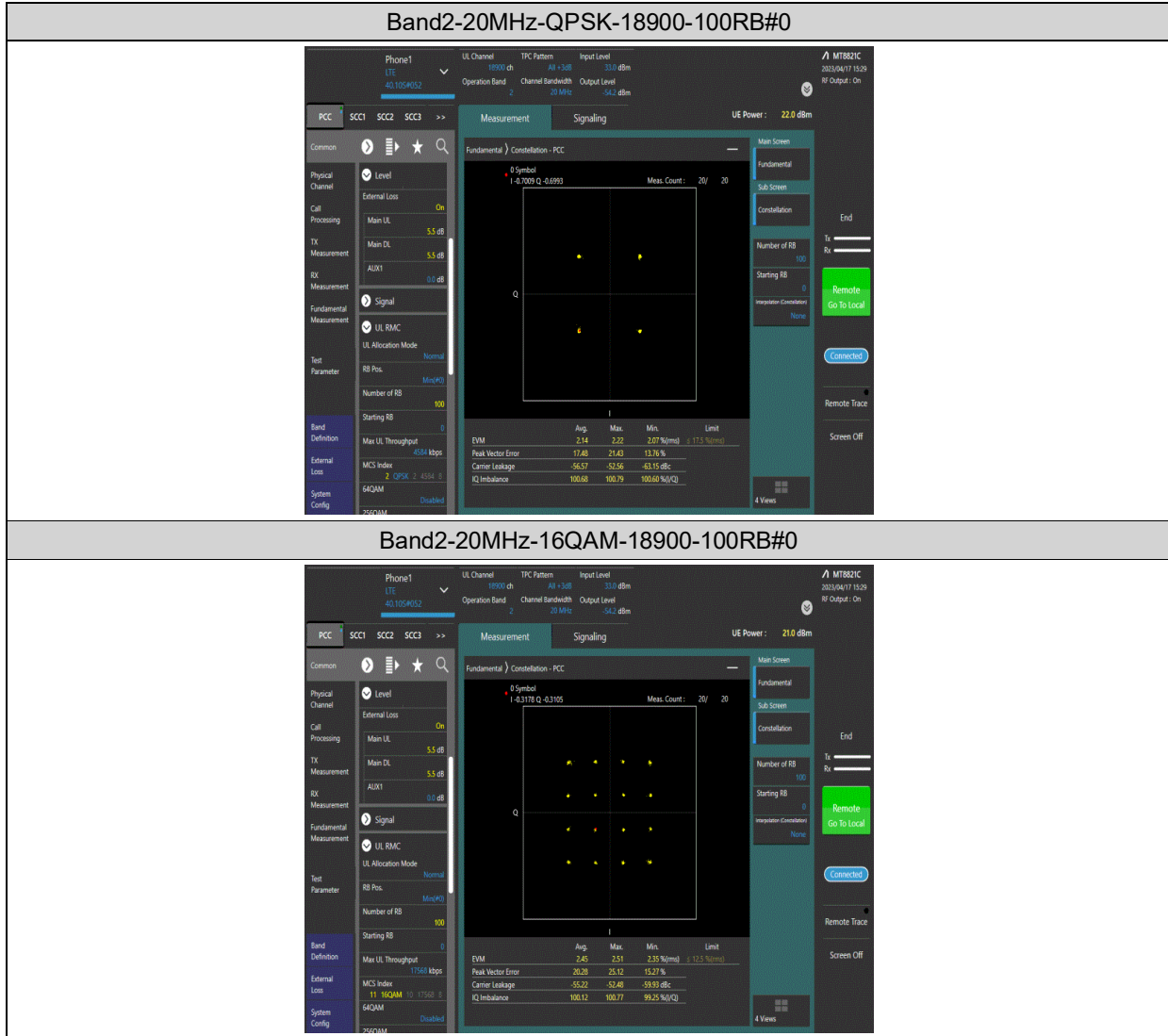
Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band2	20MHz	QPSK	18900	100RB#0	PASS	PASS
Band2	20MHz	16QAM	18900	100RB#0	PASS	PASS



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Test Graphs



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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	1.086	1.28	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.086	1.28	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.085	1.28	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.100	1.30	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.100	1.31	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.097	1.30	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.684	2.92	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.690	2.92	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.687	2.92	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.677	2.91	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.676	2.90	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.677	2.89	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.467	4.84	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.464	4.83	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.468	4.81	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.462	4.86	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.464	4.88	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.466	4.86	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.932	9.58	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.917	9.56	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.919	9.64	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.918	9.60	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.920	9.52	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.917	9.52	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.479	14.73	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.470	14.70	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.467	14.70	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.466	14.73	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.449	14.76	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.449	14.76	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.950	19.40	PASS



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Report No.: SEWM2304000113RG01

Rev.: 01

Page: 14 of 55

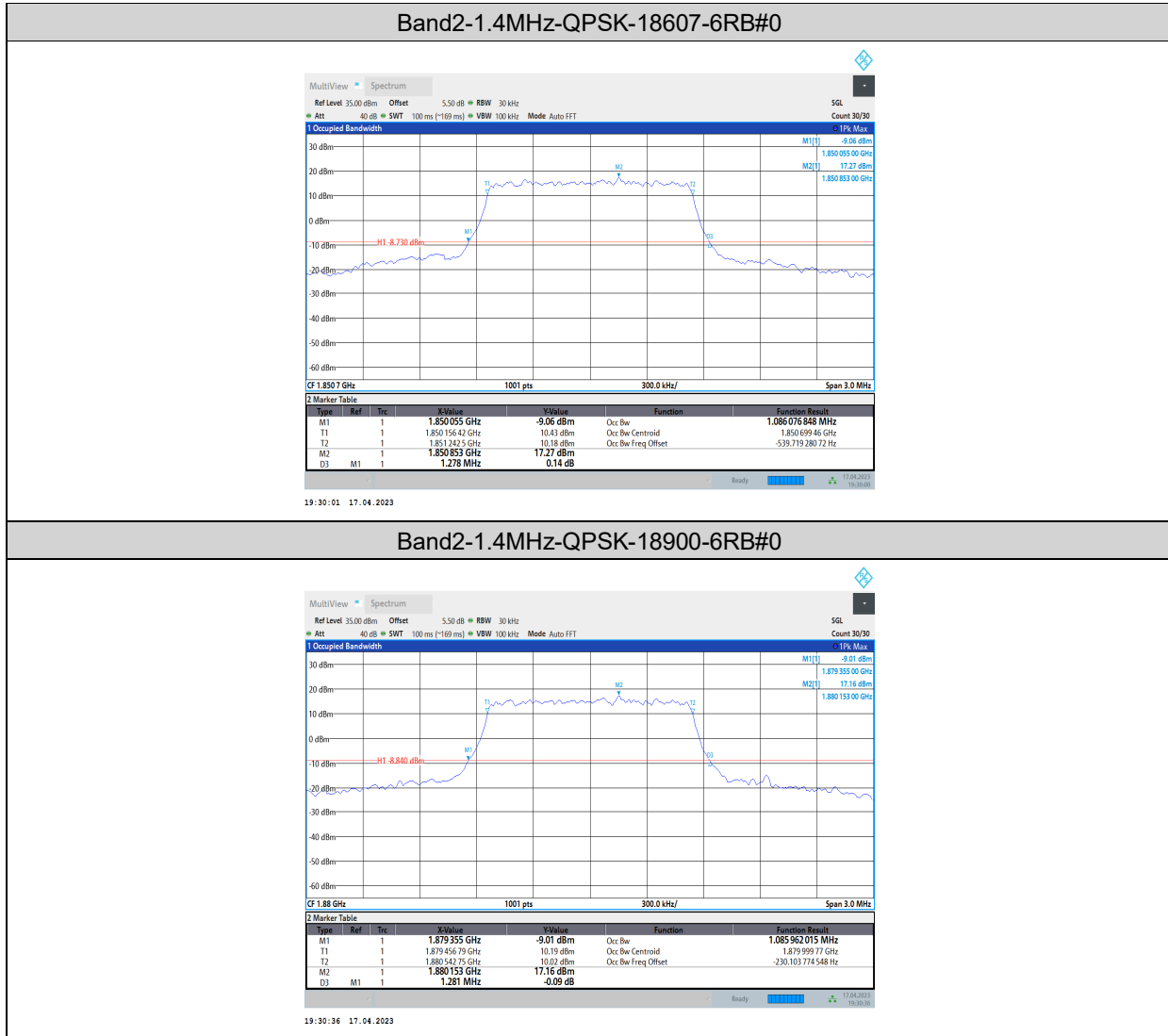
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Band2	20MHz	16QAM	18700	100RB#0	17.914	19.36	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.864	19.32	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.890	19.24	PASS



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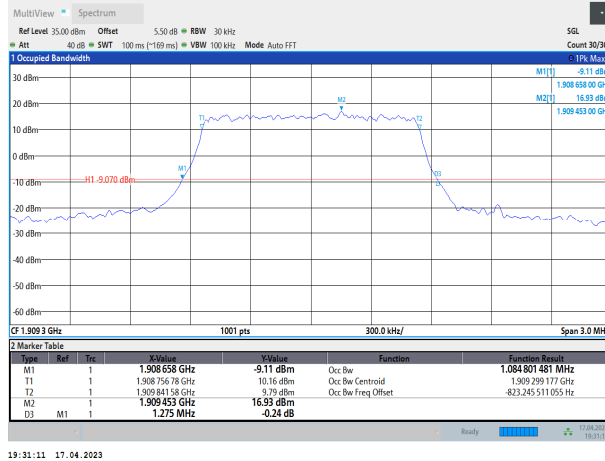


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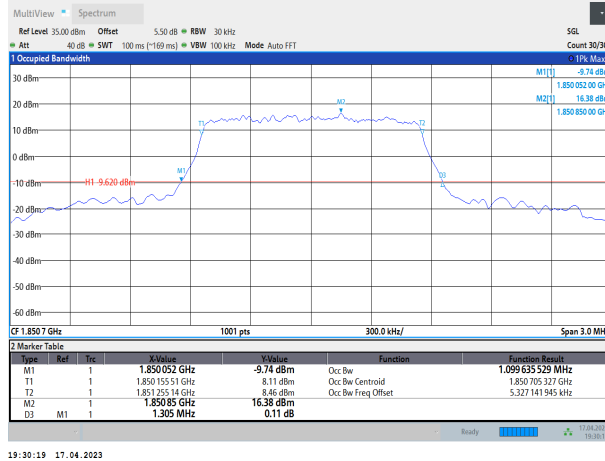
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Band2-1.4MHz-QPSK-19193-6RB#0



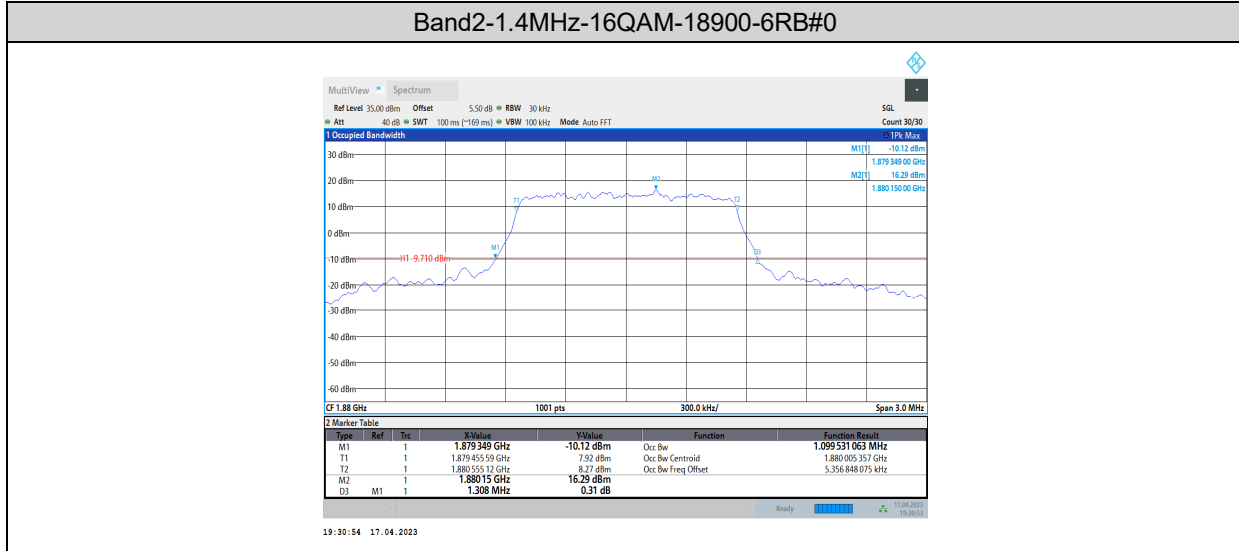
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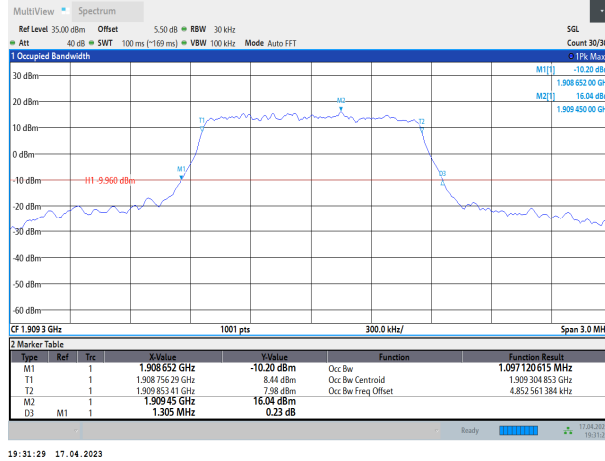


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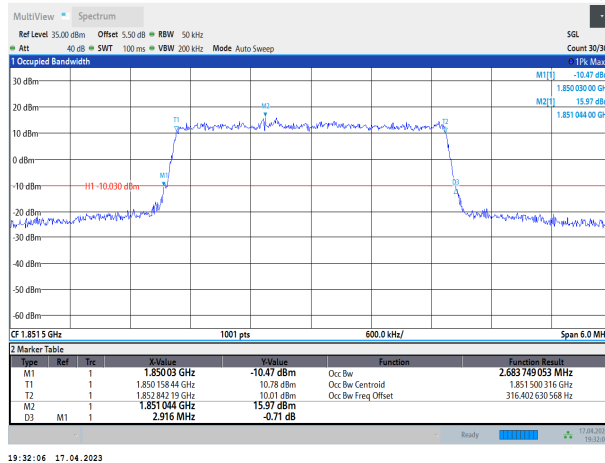
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Band2-1.4MHz-16QAM-19193-6RB#0



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

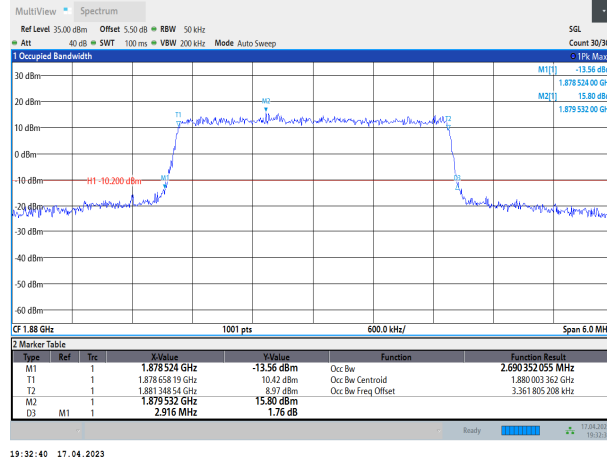


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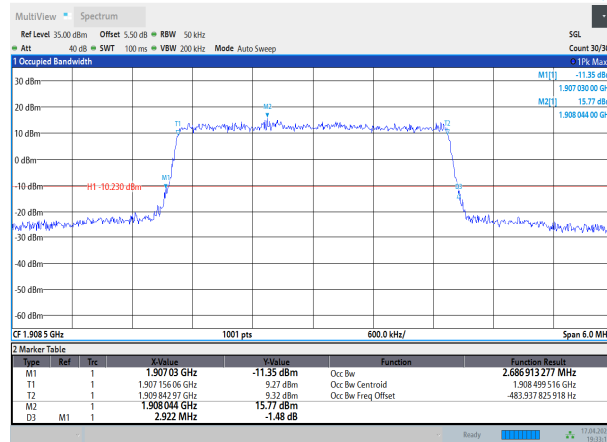
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Band2-3MHz-QPSK-18900-15RB#0



19:32:40 17.04.2023

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



19:33:13 17.04.2023

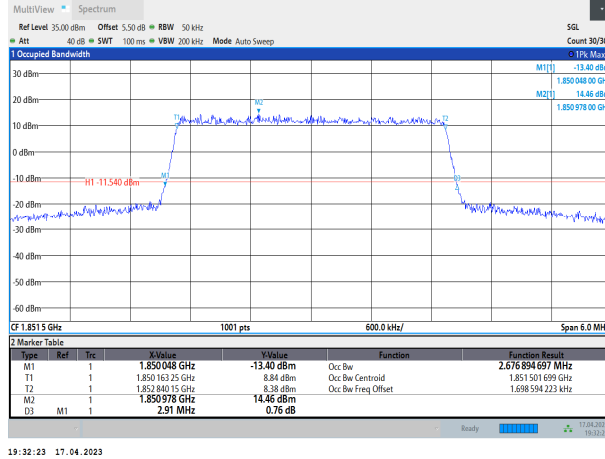


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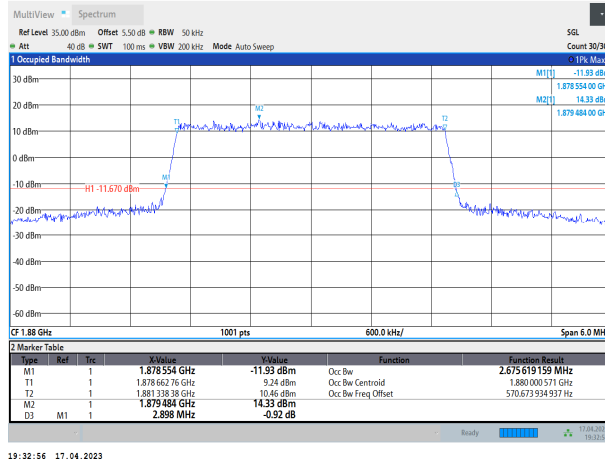
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Band2-3MHz-16QAM-18900-15RB#0

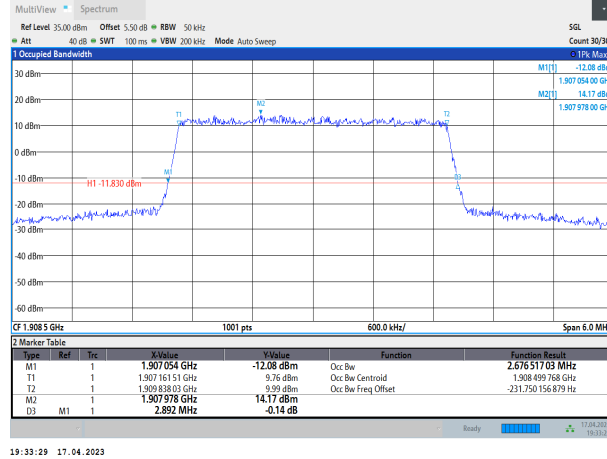


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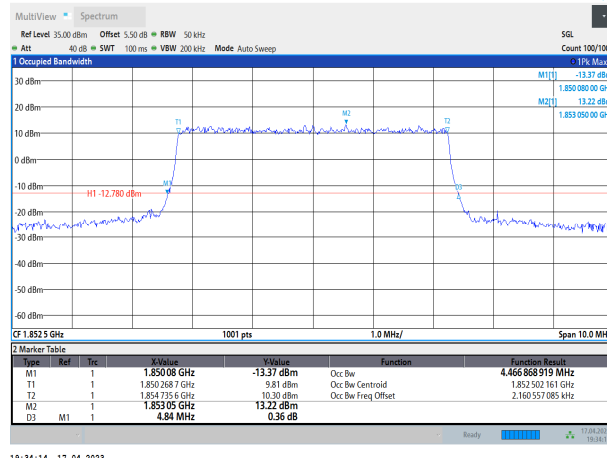
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Band2-3MHz-16QAM-19185-15RB#0



19:33:29 17.04.2023

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



19:34:14 17.04.2023

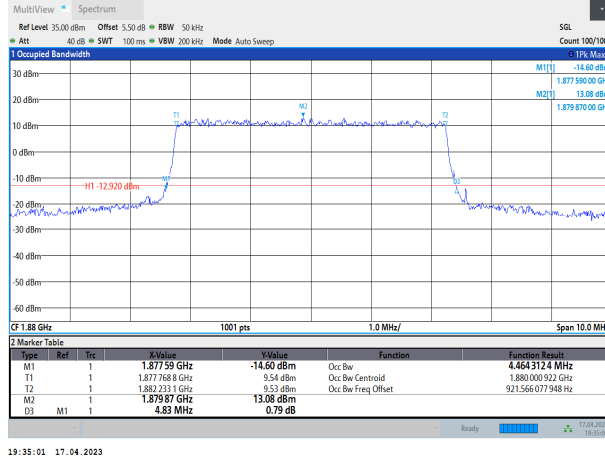


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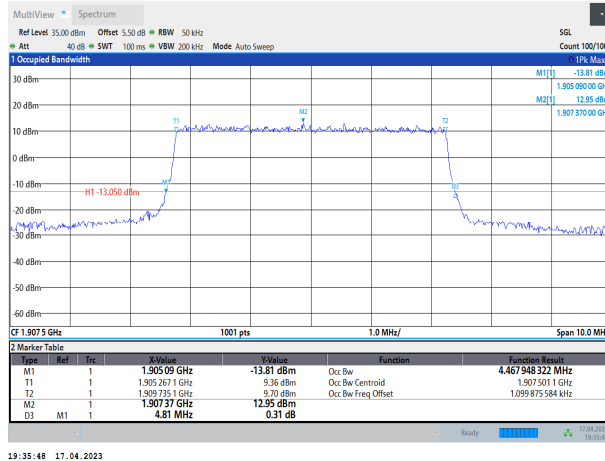
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Band2-5MHz-QPSK-18900-25RB#0



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

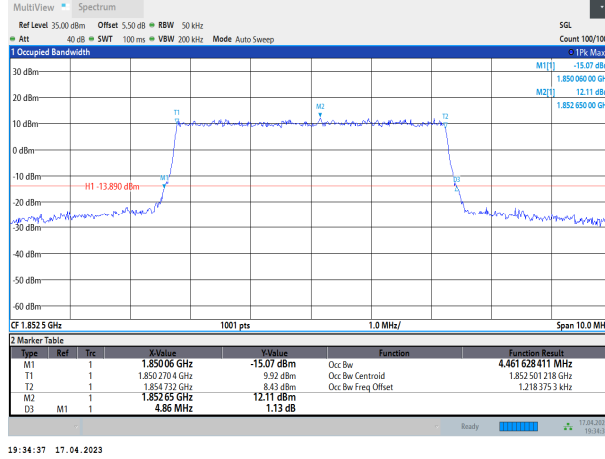


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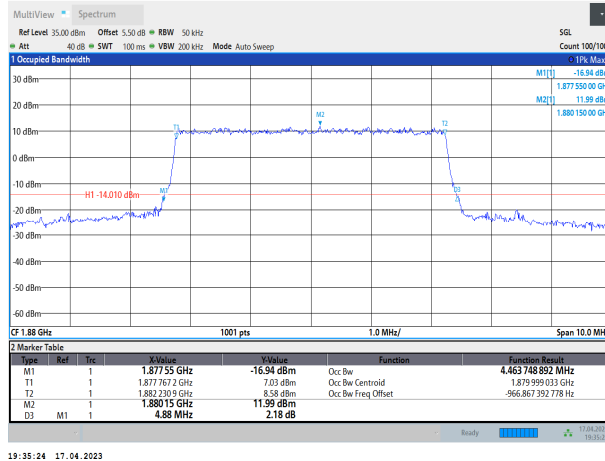
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Band2-5MHz-16QAM-18625-25RB#0



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



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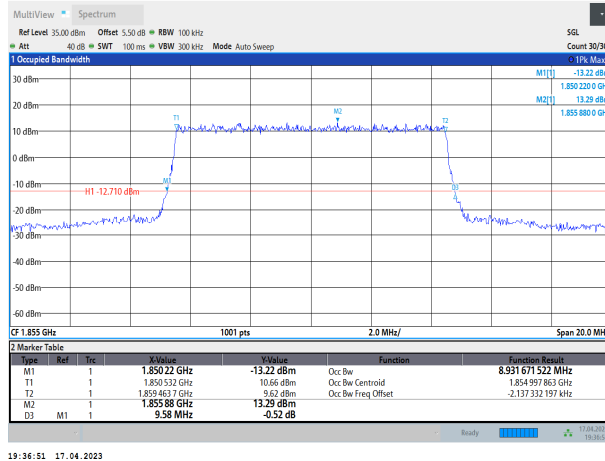
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Band2-5MHz-16QAM-19175-25RB#0



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

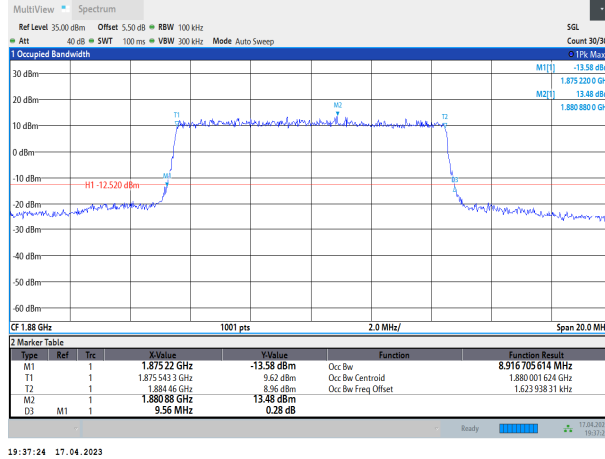


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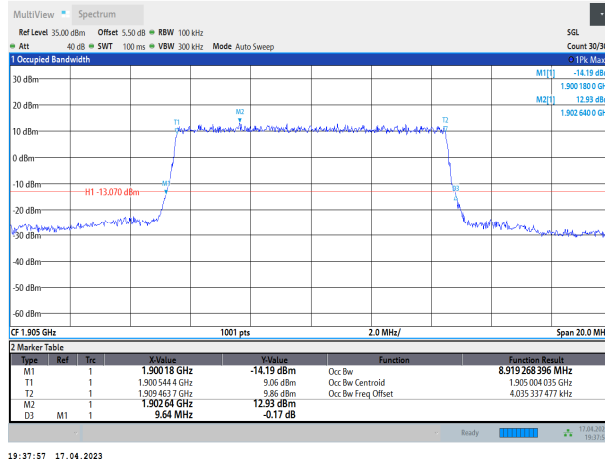
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Band2-10MHz-QPSK-18900-50RB#0



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

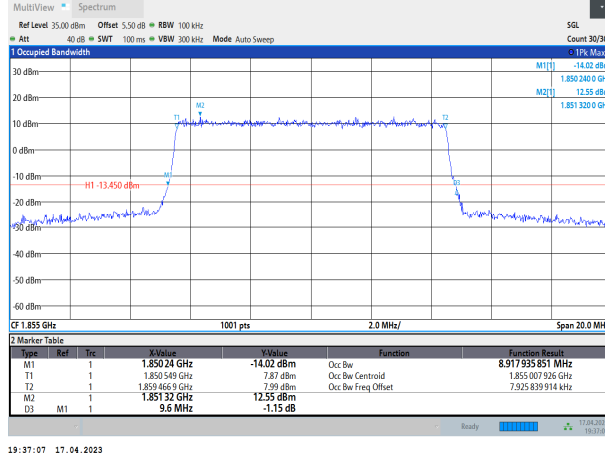


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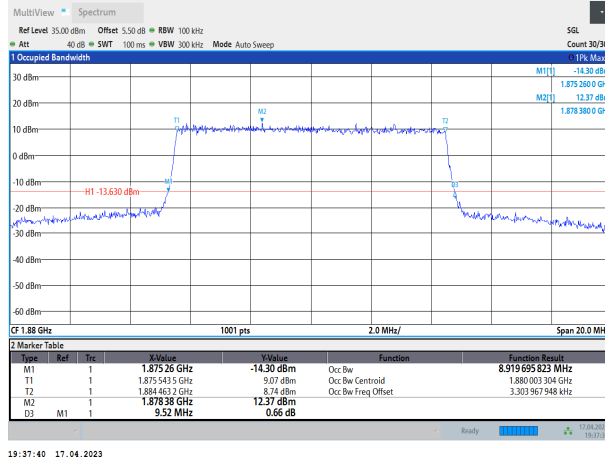
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Band2-10MHz-16QAM-18650-50RB#0



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

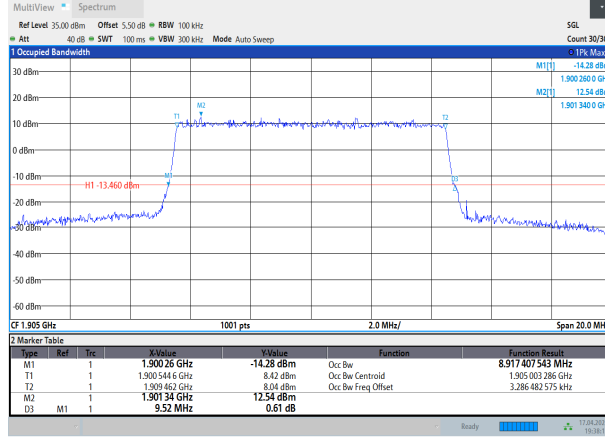


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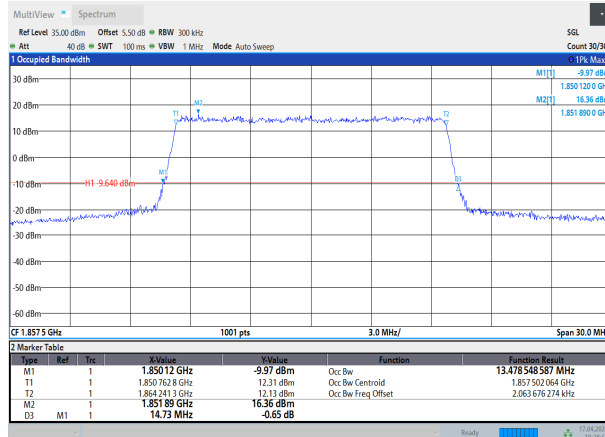
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Band2-10MHz-16QAM-19150-50RB#0



19:38:13 17.04.2023

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



19:38:51 17.04.2023

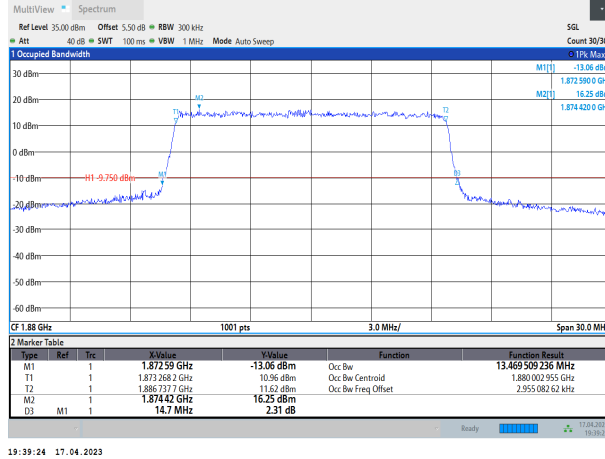


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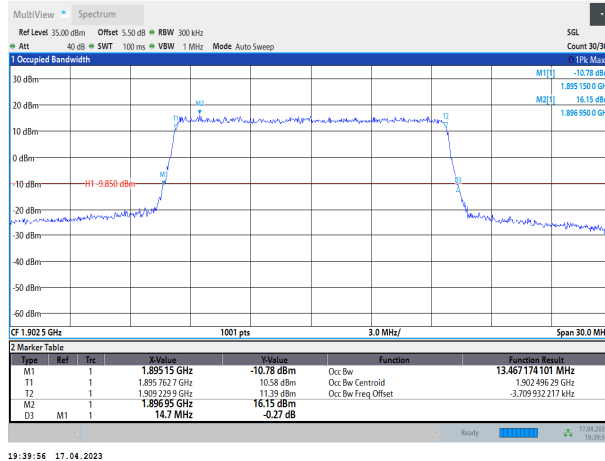
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Band2-15MHz-QPSK-18900-75RB#0



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

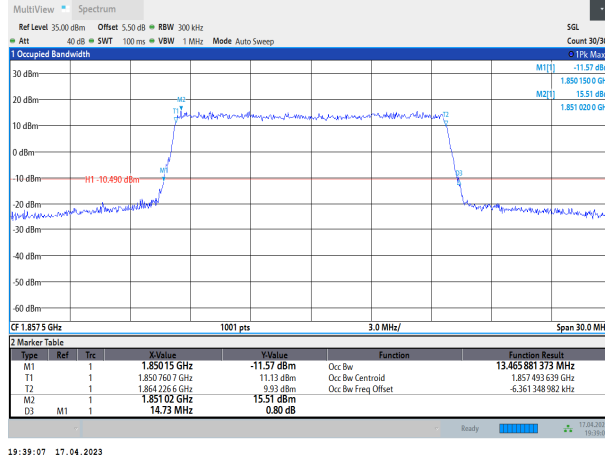


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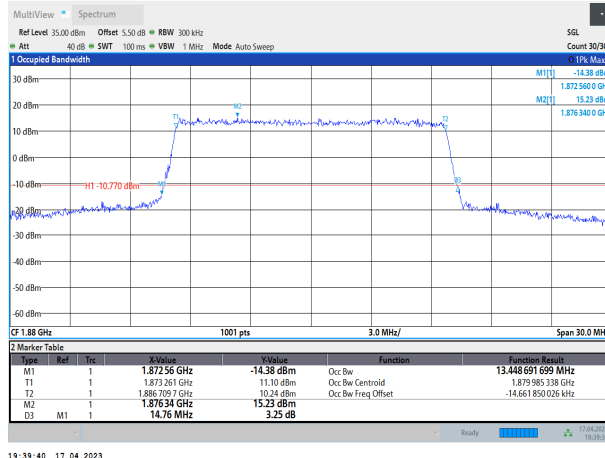
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Band2-15MHz-16QAM-18900-75RB#0

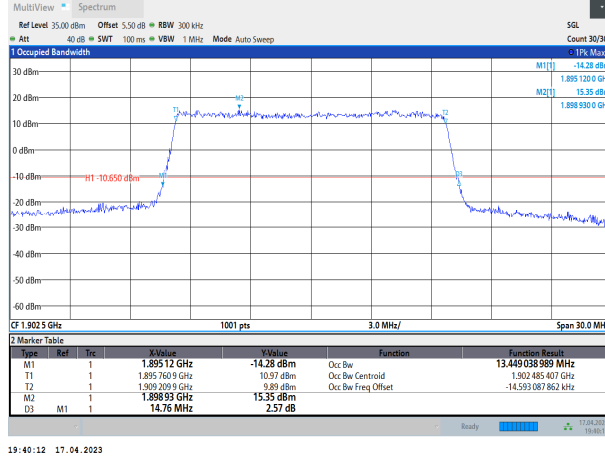


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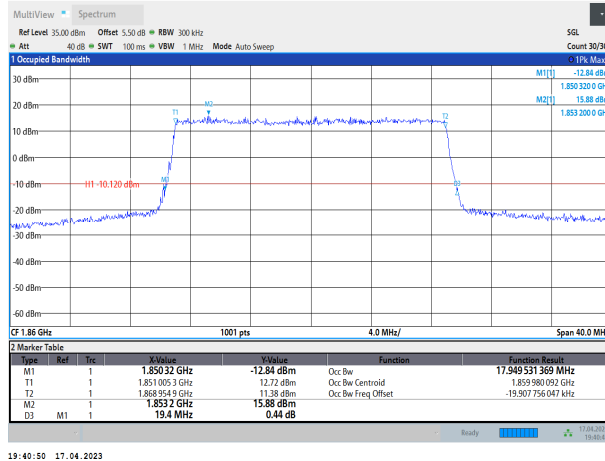
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Band2-15MHz-16QAM-19125-75RB#0



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

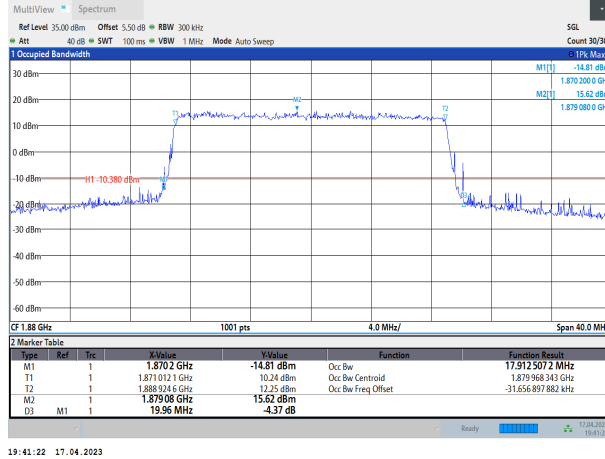


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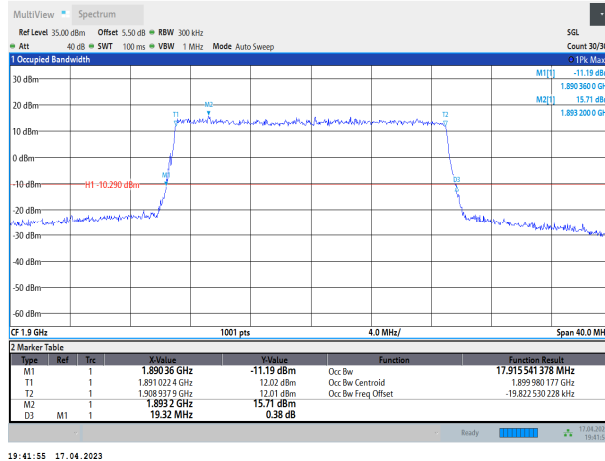
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Band2-20MHz-QPSK-18900-100RB#0



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

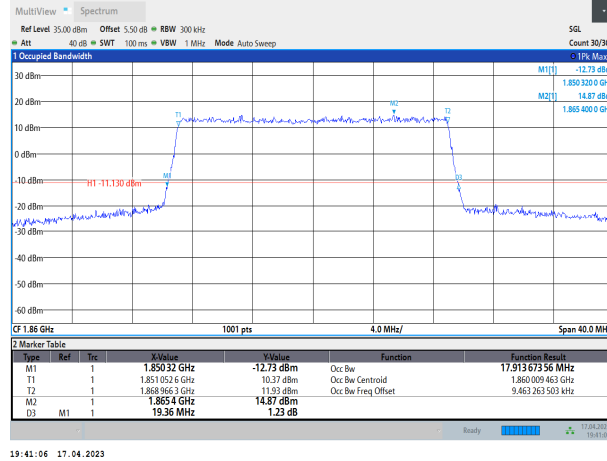


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Band2-20MHz-16QAM-18900-100RB#0

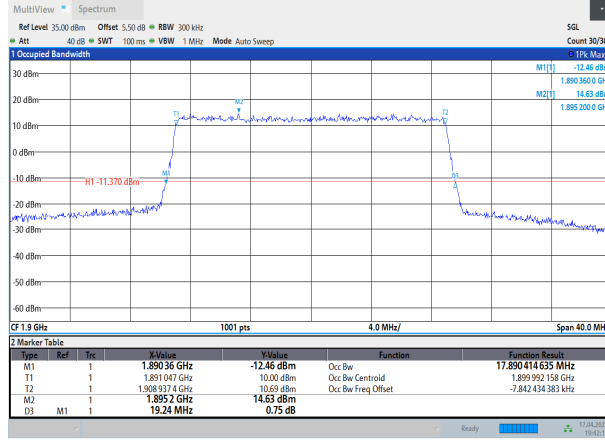


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Band2-20MHz-16QAM-19100-100RB#0



19:42:11 17.04.2023



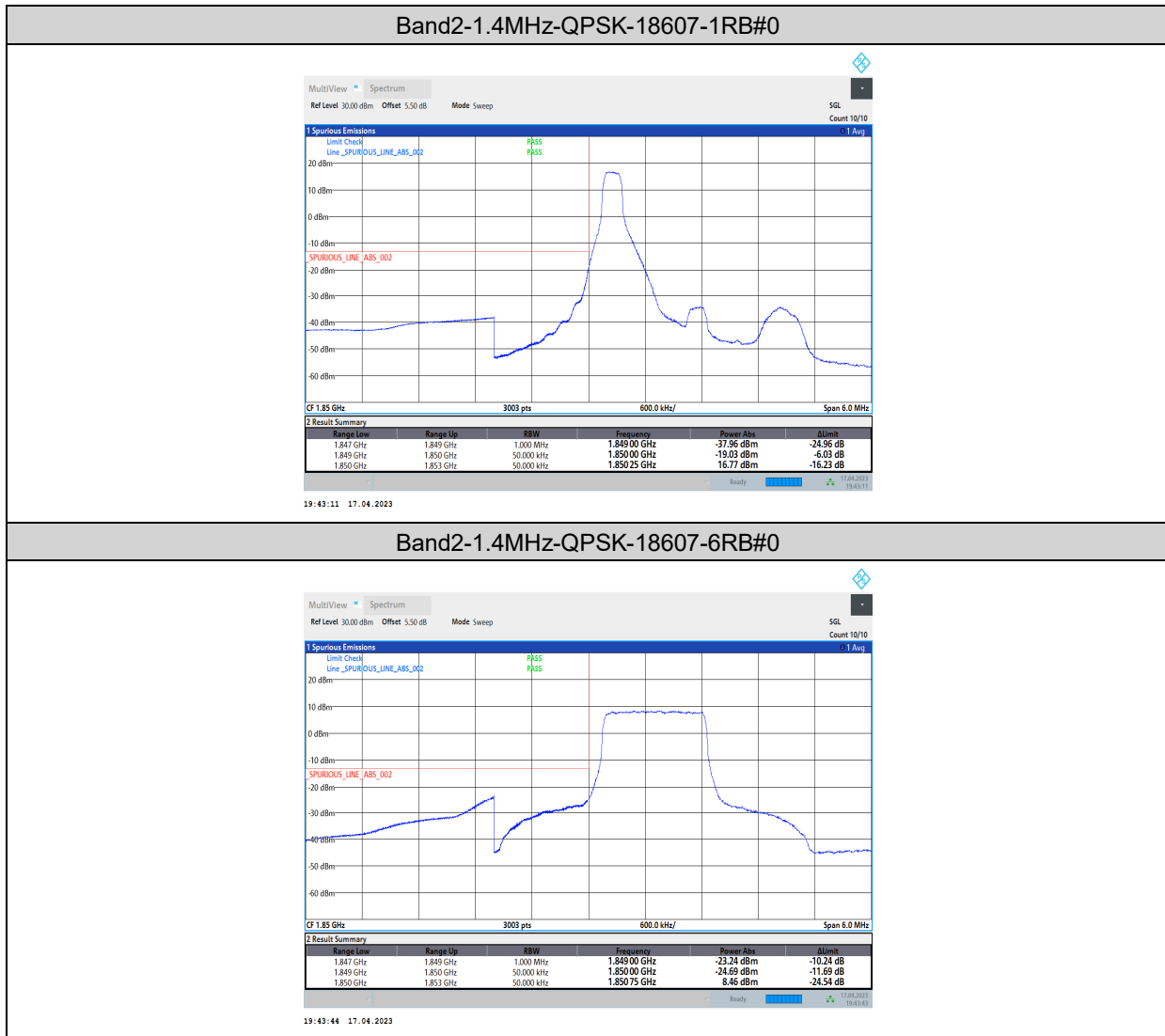
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Band Edge

Test Graphs

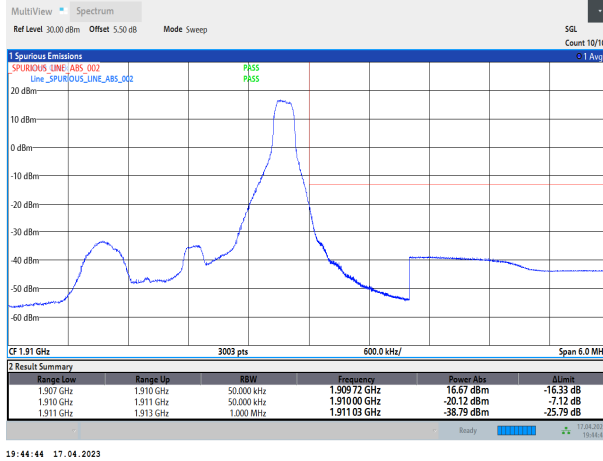


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Band2-1.4MHz-QPSK-19193-1RB#5



19:44:44 17.04.2023

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



19:45:18 17.04.2023

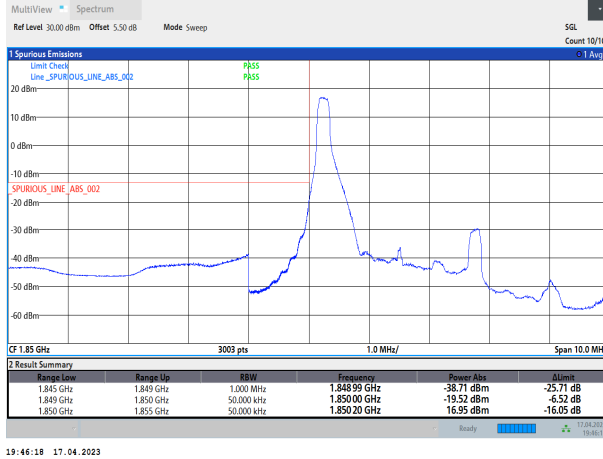


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Band2-3MHz-QPSK-18615-1RB#0



19:46:18 17. 04. 2023

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



19:46:51 17. 04. 2023

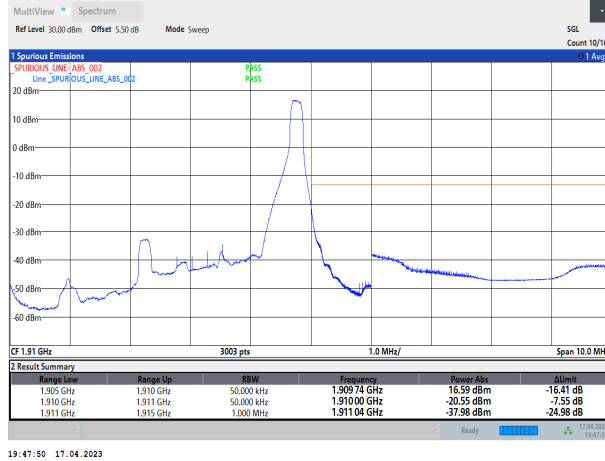


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Band2-3MHz-QPSK-19185-1RB#14



19:47:50 17.04.2023

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



19:48:23 17.04.2023

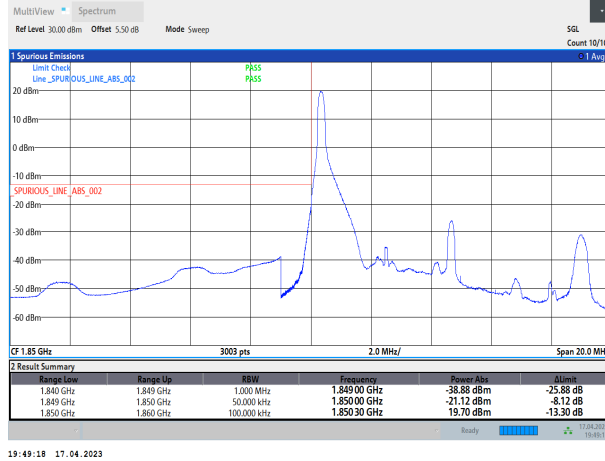


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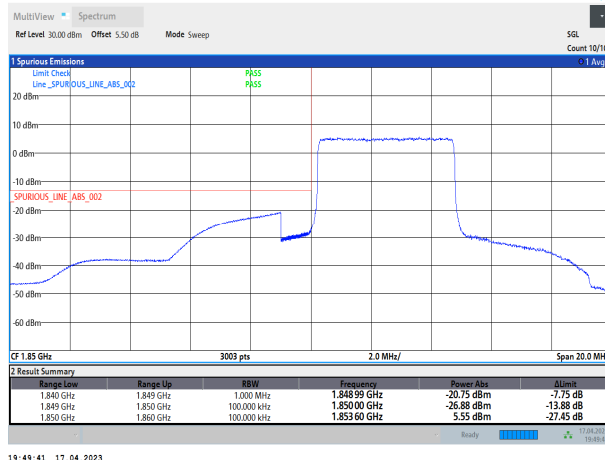
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Band2-5MHz-QPSK-18625-1RB#0



19:49:18 17. 04. 2023

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



19:49:41 17. 04. 2023

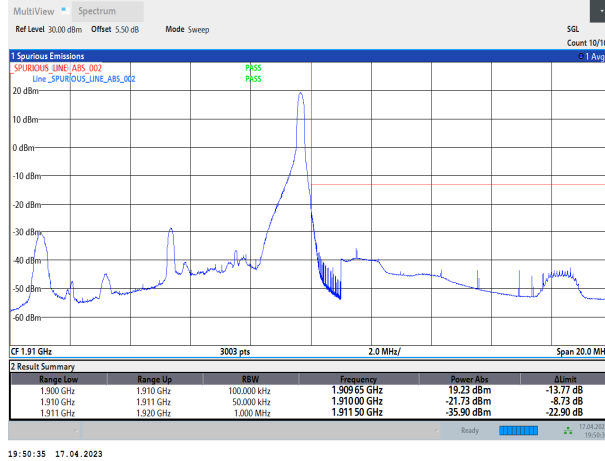


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Band2-5MHz-QPSK-19175-1RB#24



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

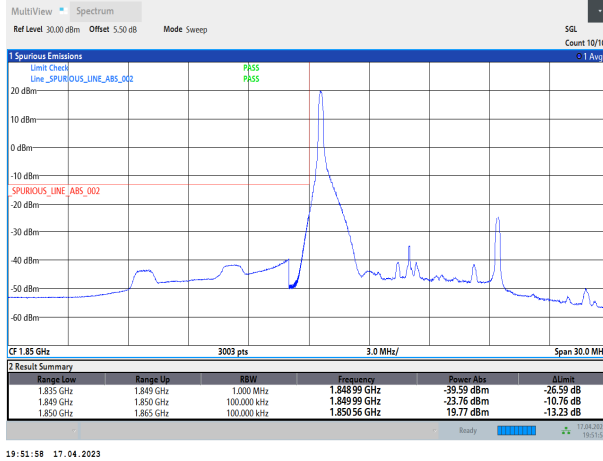


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Band2-10MHz-QPSK-18650-1RB#0



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

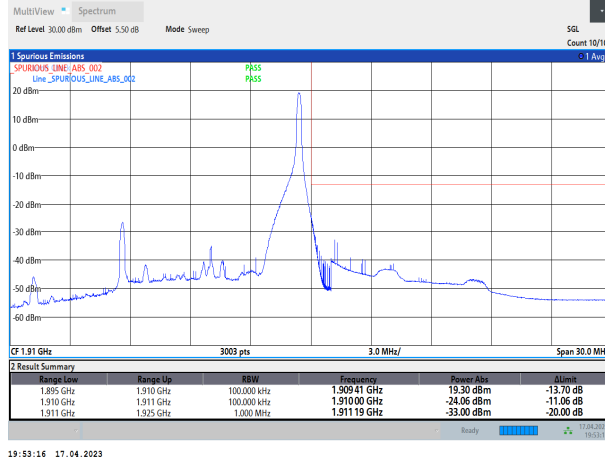


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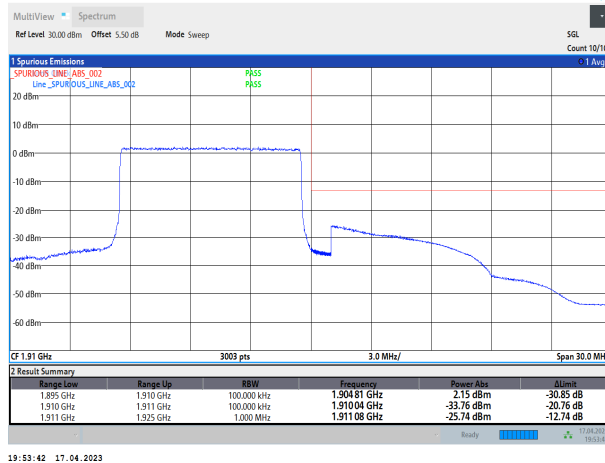
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Band2-10MHz-QPSK-19150-1RB#49



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

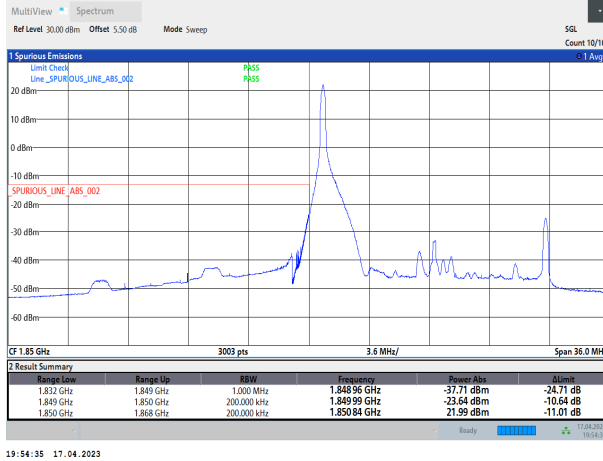


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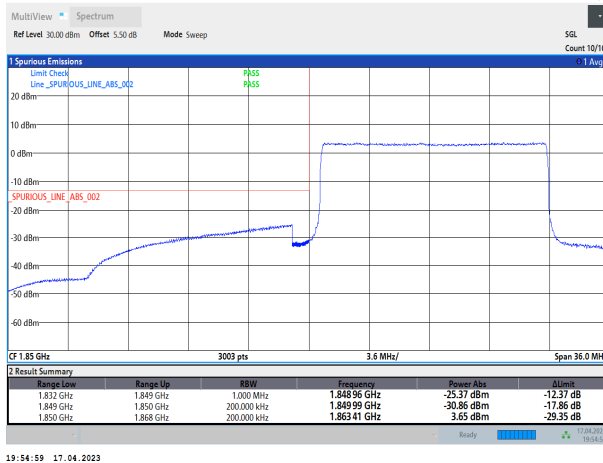
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Band2-15MHz-QPSK-18675-1RB#0



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

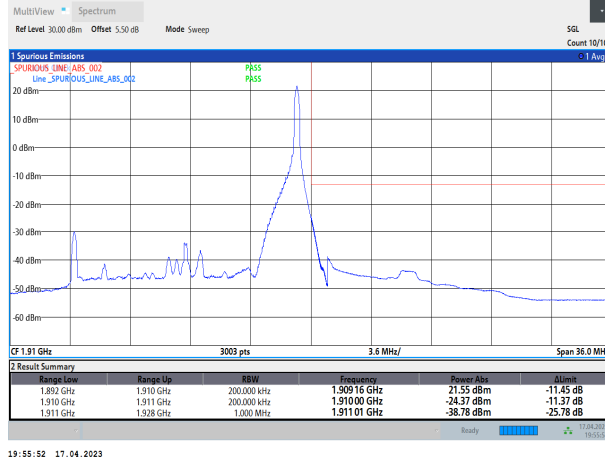


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Band2-15MHz-QPSK-19125-1RB#74



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

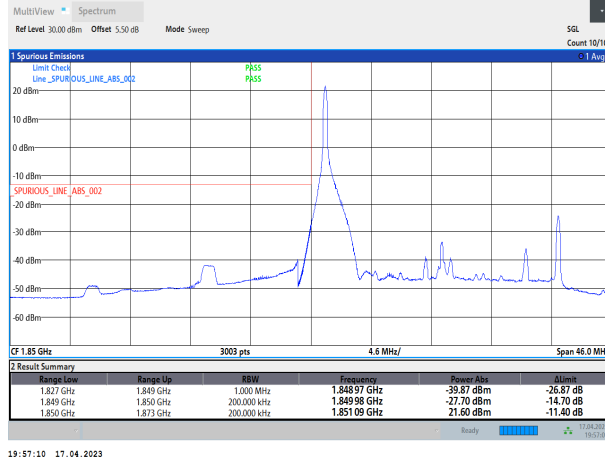


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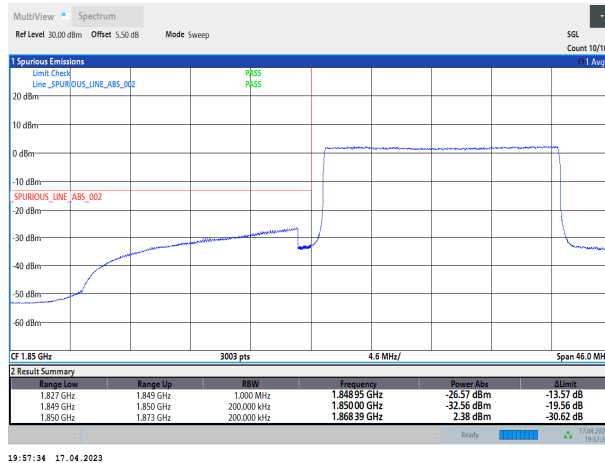
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Band2-20MHz-QPSK-18700-1RB#0



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

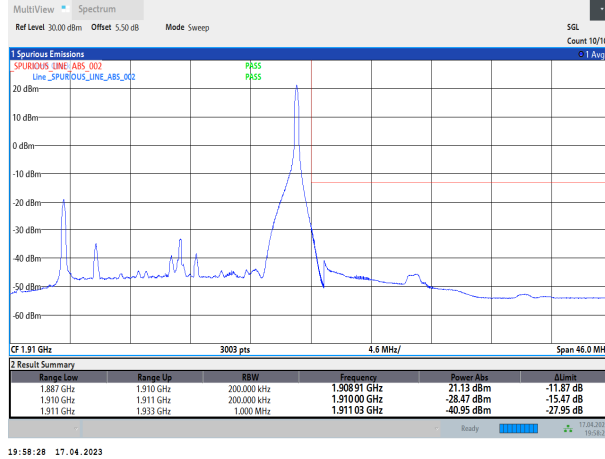


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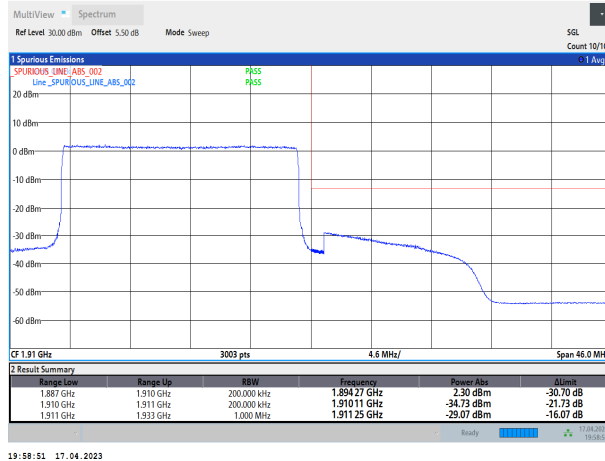
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Band2-20MHz-QPSK-19100-1RB#99



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



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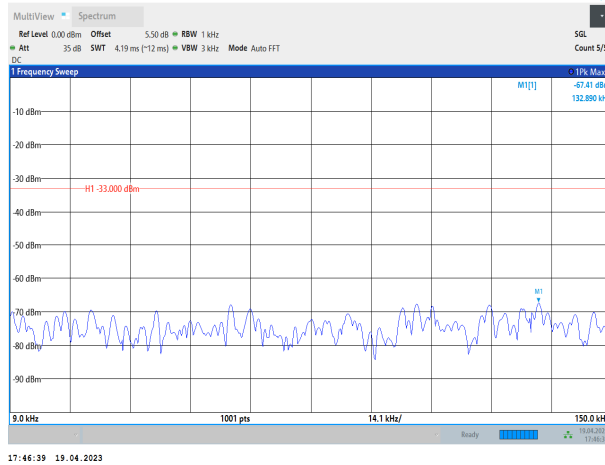
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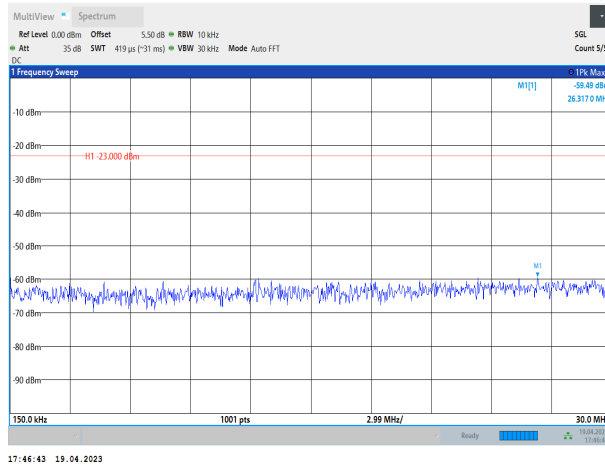
Conducted Spurious Emission

Test Graphs

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



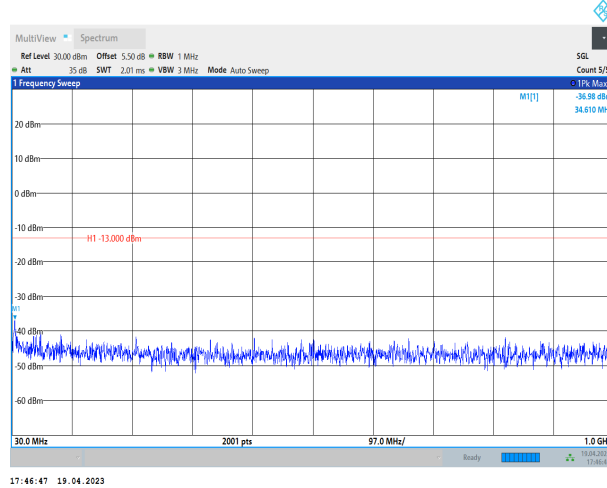
Band2-20MHz-QPSK-18700-1RB#0-Range2:0.15~30MHz



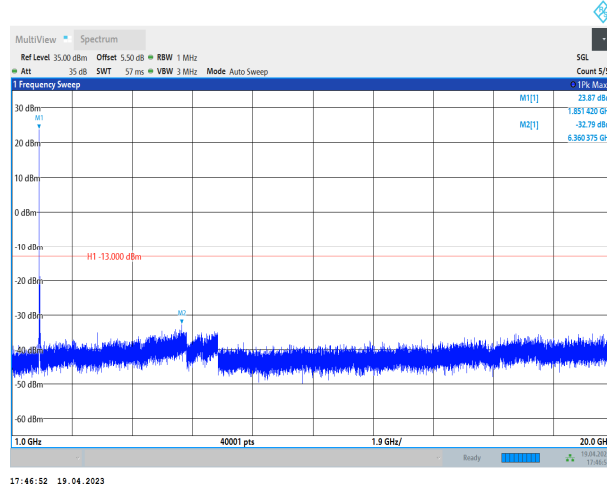
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



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

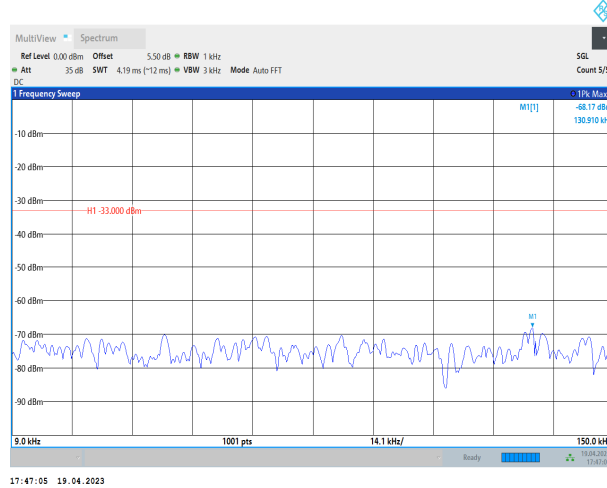


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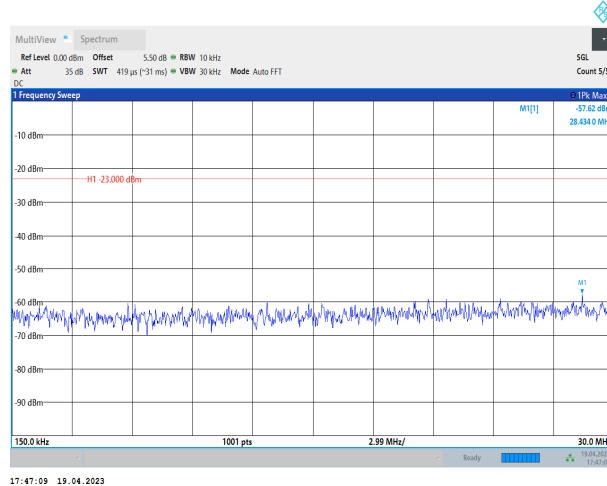
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



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

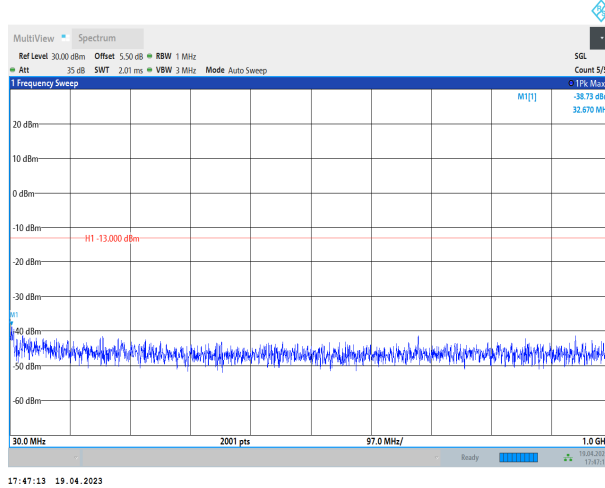


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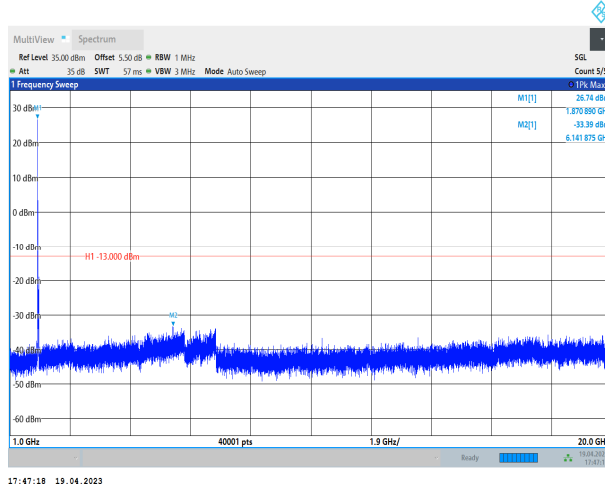
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



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

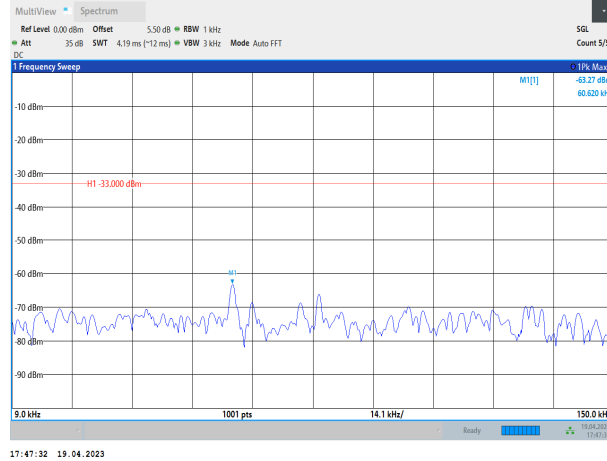


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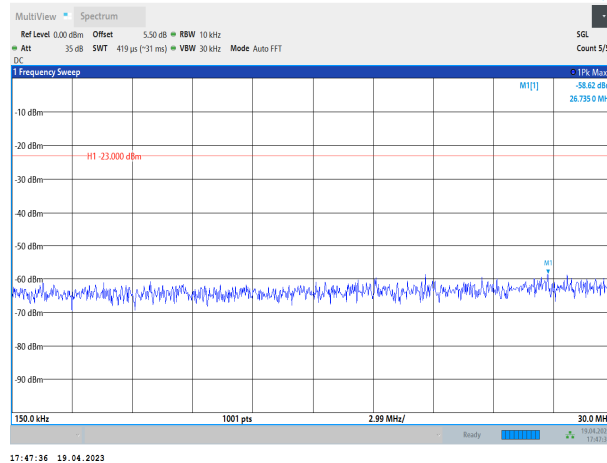
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



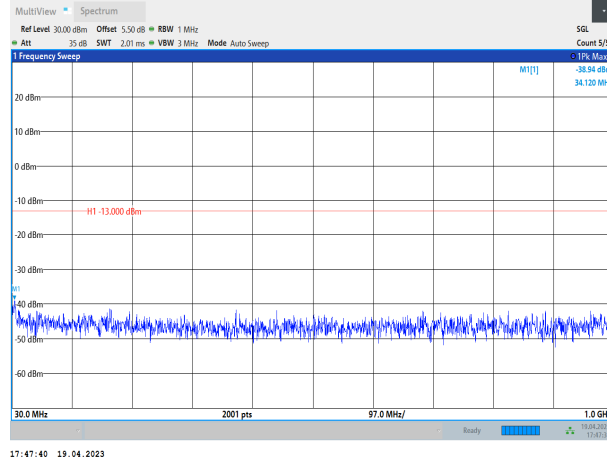
Band2-20MHz-QPSK-19100-1RB#0-Range2:0.15~30MHz



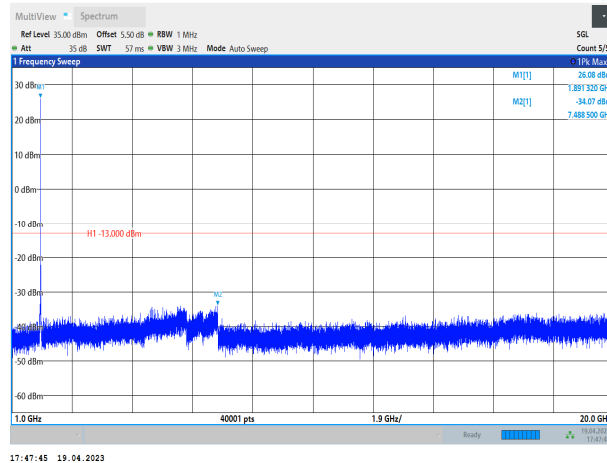
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE_B2_20MHz_TM1

Test Channel = LCH

Final Data List										
NO	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height[cm]	Angle [°]	Polarity
1	1641.3302	23.49	-0.02	25.88	-45.91	-13.00	32.91	287	143	Horizontal
2	2986.7483	24.83	1.37	29.67	-39.39	-13.00	26.39	220	114	Horizontal
3	3702.0351	71.60	-50.00	30.31	-43.35	-13.00	30.35	256	66	Horizontal
4	5553.1277	59.78	-45.47	33.21	-47.74	-13.00	34.74	325	16	Horizontal
5	9029.5515	48.16	-41.78	38.74	-50.14	-13.00	37.14	263	186	Horizontal
6	11908.1954	47.09	-37.84	39.49	-46.52	-13.00	33.52	114	141	Horizontal

Final Data List										
NO	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height[cm]	Angle [°]	Polarity
1	1684.0855	23.32	0.17	25.83	-45.94	-13.00	32.94	352	244	Vertical
2	2999.2499	24.50	1.61	29.79	-39.36	-13.00	26.36	256	168	Vertical
3	3702.0351	64.57	-50.00	30.31	-50.38	-13.00	37.38	332	297	Vertical
4	5553.1277	59.08	-45.47	33.21	-48.44	-13.00	35.44	189	263	Vertical
5	8533.0267	48.04	-42.50	38.69	-51.03	-13.00	38.03	203	360	Vertical
6	11934.4467	47.70	-38.25	39.47	-46.34	-13.00	33.34	231	258	Vertical



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Test Band = LTE_B2_20MHz_TM1

Test Channel = MCH

Final Data List										
NO	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height[cm]	Angle [°]	Polarity
1	1698.8374	23.27	0.20	25.80	-45.99	-13.00	32.99	263	56	Horizontal
2	2999.2499	24.59	1.61	29.79	-39.27	-13.00	26.27	254	172	Horizontal
3	3741.7871	64.59	-49.47	30.47	-49.67	-13.00	36.67	210	83	Horizontal
4	5613.1307	58.56	-45.52	33.37	-48.85	-13.00	35.85	256	53	Horizontal
5	9019.051	48.01	-41.73	38.76	-50.22	-13.00	37.22	325	324	Horizontal
6	11895.4448	46.91	-37.80	39.52	-46.63	-13.00	33.63	214	136	Horizontal

Final Data List										
NO	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height[cm]	Angle [°]	Polarity
1	1615.3269	23.31	-0.07	25.83	-46.19	-13.00	33.19	332	52	Vertical
2	3000	24.48	1.63	29.80	-39.35	-13.00	26.35	254	305	Vertical
3	3741.7871	57.64	-49.47	30.47	-56.62	-13.00	43.62	136	290	Vertical
4	5613.1307	56.44	-45.52	33.37	-50.97	-13.00	37.97	256	339	Vertical
5	9040.802	49.09	-41.83	38.72	-49.28	-13.00	36.28	235	260	Vertical
6	11898.4449	47.11	-37.74	39.51	-46.38	-13.00	33.38	159	56	Vertical



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Test Band = LTE_B2_20MHz_TM1

Test Channel = HCH

Final Data List										
NO	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height[cm]	Angle [°]	Polarity
1	1695.0869	23.29	0.19	25.81	-45.97	-13.00	32.97	236	326	Horizontal
2	2999.4999	24.71	1.62	29.79	-39.14	-13.00	26.14	254	341	Horizontal
3	3782.2891	67.14	-49.49	30.50	-47.11	-13.00	34.11	226	74	Horizontal
4	5673.1337	53.38	-44.99	33.39	-53.48	-13.00	40.48	226	59	Horizontal
5	9025.0513	48.20	-41.76	38.75	-50.07	-13.00	37.07	250	133	Horizontal
6	11929.1965	47.48	-38.17	39.47	-46.48	-13.00	33.48	233	162	Horizontal

Final Data List										
NO	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height[cm]	Angle [°]	Polarity
1	1508.5636	23.29	0.10	25.65	-46.22	-13.00	33.22	326	46	Vertical
2	2993.9992	24.75	1.46	29.74	-39.31	-13.00	26.31	254	186	Vertical
3	3782.2891	59.78	-49.49	30.50	-54.47	-13.00	41.47	206	219	Vertical
4	5673.1337	52.77	-44.99	33.39	-54.09	-13.00	41.09	226	327	Vertical
5	9039.302	48.14	-41.82	38.72	-50.22	-13.00	37.22	325	41	Vertical
6	11930.6965	47.60	-38.19	39.47	-46.38	-13.00	33.38	214	70	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) - Pre-amplifier (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 (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-4.60	-0.002447	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-10.30	-0.005479	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-8.80	-0.004681	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-10.70	-0.005691	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-11.90	-0.006330	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-2.80	-0.001489	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-5.90	-0.003138	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-9.30	-0.004947	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-11.20	-0.005957	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-9.70	-0.005160	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-2.50	-0.001330	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-10.60	-0.005638	PASS

---End of Attachment---



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