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Appendix B.3

LTE Band 2



SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
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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	23.66	22.56	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.77	22.67	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.64	22.54	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.75	21.65	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.97	22.87	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	24.11	23.01	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.95	22.85	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	23.05	21.95	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	24.03	22.93	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	24.12	23.02	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	24.00	22.90	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	23.12	22.02	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.88	21.78	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.98	21.88	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.84	21.74	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.80	20.70	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	23.26	22.16	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.26	22.16	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	23.16	22.06	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	22.14	21.04	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	23.27	22.17	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	23.39	22.29	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	23.25	22.15	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	22.14	21.04	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	21.74	20.64	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	21.94	20.84	33.00	PASS



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Band2	1.4MHz	64QAM	18607	1RB#5	21.78	20.68	33.00	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	20.74	19.64	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	22.18	21.08	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	22.27	21.17	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	22.16	21.06	33.00	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	21.05	19.95	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	22.16	21.06	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	22.32	21.22	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	22.11	21.01	33.00	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	21.06	19.96	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.67	22.57	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.66	22.56	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.66	22.56	33.00	PASS
Band2	3MHz	QPSK	18615	5RB#0	22.66	21.56	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.97	22.87	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.98	22.88	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.95	22.85	33.00	PASS
Band2	3MHz	QPSK	18900	5RB#0	22.96	21.86	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	24.06	22.96	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	24.04	22.94	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.99	22.89	33.00	PASS
Band2	3MHz	QPSK	19185	5RB#0	23.07	21.97	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.84	21.74	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.90	21.80	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.90	21.80	33.00	PASS
Band2	3MHz	16QAM	18615	5RB#0	21.69	20.59	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	23.19	22.09	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	23.19	22.09	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	23.21	22.11	33.00	PASS
Band2	3MHz	16QAM	18900	5RB#0	22.01	20.91	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	23.24	22.14	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	23.23	22.13	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	23.21	22.11	33.00	PASS



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Band2	3MHz	16QAM	19185	5RB#0	22.10	21.00	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#0	21.79	20.69	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#8	21.85	20.75	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#14	21.80	20.70	33.00	PASS
Band2	3MHz	64QAM	18615	5RB#0	20.67	19.57	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#0	22.07	20.97	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#8	22.14	21.04	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#14	22.15	21.05	33.00	PASS
Band2	3MHz	64QAM	18900	5RB#0	20.94	19.84	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#0	22.11	21.01	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#8	22.20	21.10	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#14	22.20	21.10	33.00	PASS
Band2	3MHz	64QAM	19185	5RB#0	21.04	19.94	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.51	22.41	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.81	22.71	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.52	22.42	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.66	21.56	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.82	22.72	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	24.10	23.00	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.80	22.70	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.97	21.87	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.89	22.79	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	24.11	23.01	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.88	22.78	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	23.07	21.97	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.70	21.60	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	23.00	21.90	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.80	21.70	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.66	20.56	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.98	21.88	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	23.32	22.22	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	23.02	21.92	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.94	20.84	33.00	PASS



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Band2	5MHz	16QAM	19175	1RB#0	23.18	22.08	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	23.36	22.26	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	23.16	22.06	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	22.07	20.97	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#0	21.70	20.60	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#12	21.95	20.85	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#24	21.65	20.55	33.00	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.65	19.55	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#0	22.03	20.93	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#12	22.28	21.18	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#24	21.94	20.84	33.00	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.98	19.88	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#0	22.05	20.95	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#12	22.32	21.22	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#24	22.01	20.91	33.00	PASS
Band2	5MHz	64QAM	19175	25RB#0	21.06	19.96	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.59	22.49	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.71	22.61	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.66	22.56	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.74	21.64	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.86	22.76	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.97	22.87	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.83	22.73	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	23.02	21.92	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.83	22.73	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	24.03	22.93	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.96	22.86	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	23.11	22.01	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.73	21.63	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.99	21.89	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.77	21.67	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.73	20.63	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	23.12	22.02	33.00	PASS

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Band2	10MHz	16QAM	18900	1RB#24	23.24	22.14	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	23.12	22.02	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.99	20.89	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	23.08	21.98	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.25	22.15	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	23.18	22.08	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	22.06	20.96	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#0	21.77	20.67	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#24	21.84	20.74	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#49	21.81	20.71	33.00	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.71	19.61	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#0	21.99	20.89	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#24	22.16	21.06	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#49	21.97	20.87	33.00	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.99	19.89	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#0	21.99	20.89	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#24	22.24	21.14	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#49	22.12	21.02	33.00	PASS
Band2	10MHz	64QAM	19150	50RB#0	21.07	19.97	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.52	22.42	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.62	22.52	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.65	22.55	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.70	21.60	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.79	22.69	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.91	22.81	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.74	22.64	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.99	21.89	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.74	22.64	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.90	22.80	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.90	22.80	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.98	21.88	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.83	21.73	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.86	21.76	33.00	PASS



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Band2	15MHz	16QAM	18675	1RB#74	22.86	21.76	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.72	20.62	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.97	21.87	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	23.17	22.07	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.97	21.87	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.97	20.87	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.91	21.81	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	23.14	22.04	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	23.00	21.90	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.97	20.87	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#0	21.66	20.56	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#38	21.80	20.70	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#74	21.81	20.71	33.00	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.66	19.56	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#0	21.95	20.85	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#38	22.03	20.93	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#74	21.93	20.83	33.00	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.95	19.85	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#0	21.88	20.78	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#38	22.00	20.90	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#74	22.11	21.01	33.00	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.94	19.84	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.49	22.39	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.70	22.60	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.64	22.54	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.70	21.60	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.75	22.65	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.95	22.85	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.65	22.55	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.99	21.89	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.71	22.61	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.93	22.83	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.83	22.73	33.00	PASS



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Band2	20MHz	QPSK	19100	100RB#0	22.86	21.76	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.80	21.70	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.99	21.89	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.92	21.82	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.68	20.58	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.96	21.86	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.17	22.07	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.96	21.86	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.97	20.87	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.85	21.75	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.18	22.08	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	23.07	21.97	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.84	20.74	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#0	21.68	20.58	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#49	21.86	20.76	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#99	21.77	20.67	33.00	PASS
Band2	20MHz	64QAM	18700	100RB#0	20.66	19.56	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#0	21.93	20.83	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#49	22.11	21.01	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#99	21.79	20.69	33.00	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.97	19.87	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#0	21.85	20.75	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#49	22.11	21.01	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.96	20.86	33.00	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.85	19.75	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	5.18	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.18	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.14	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.94	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.96	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.98	13	PASS
Band2	20MHz	64QAM	18700	100RB#0	6.32	13	PASS
Band2	20MHz	64QAM	18900	100RB#0	6.26	13	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.34	13	PASS



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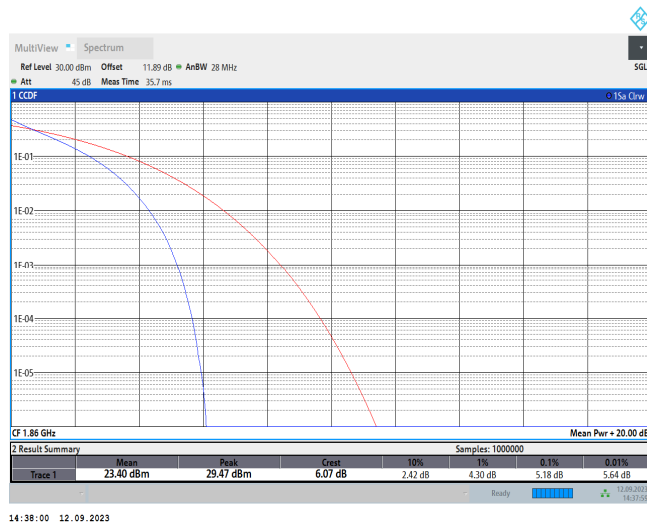
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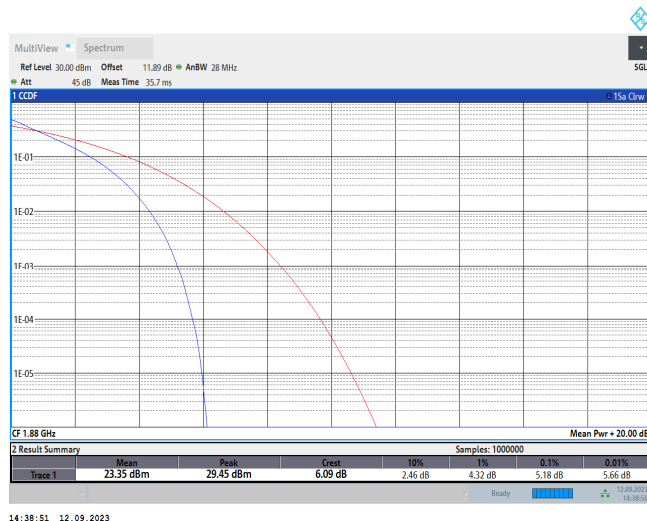
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Test Graphs

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



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



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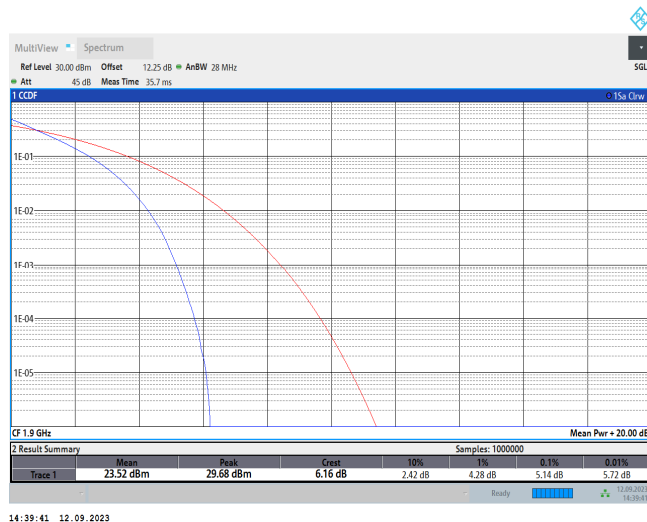
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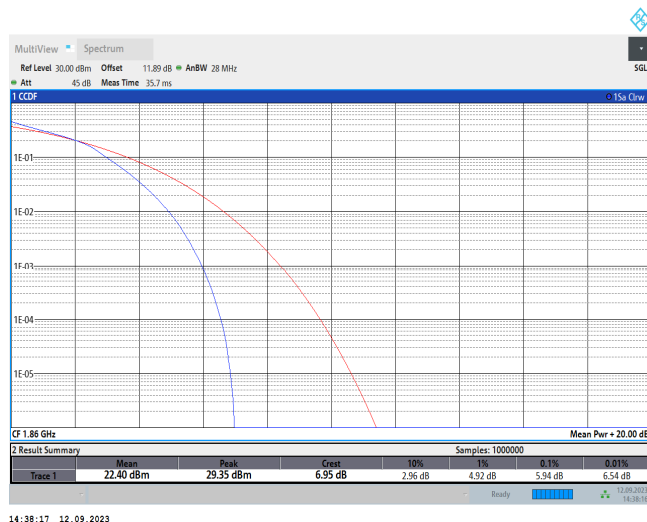
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Band2-20MHz-QPSK-19100-100RB#0



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



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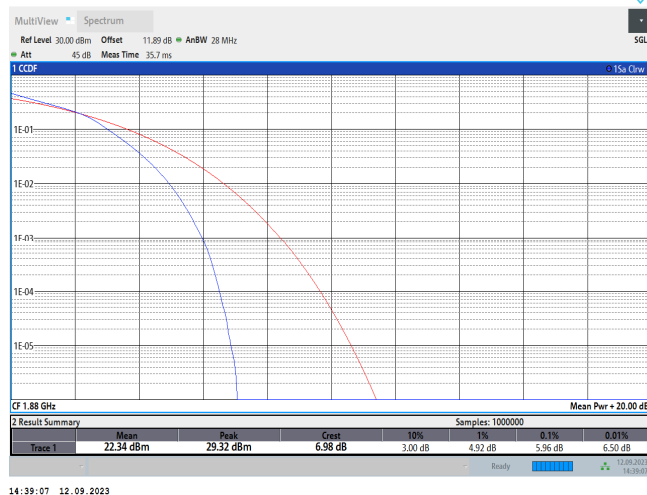
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Band2-20MHz-16QAM-18900-100RB#0



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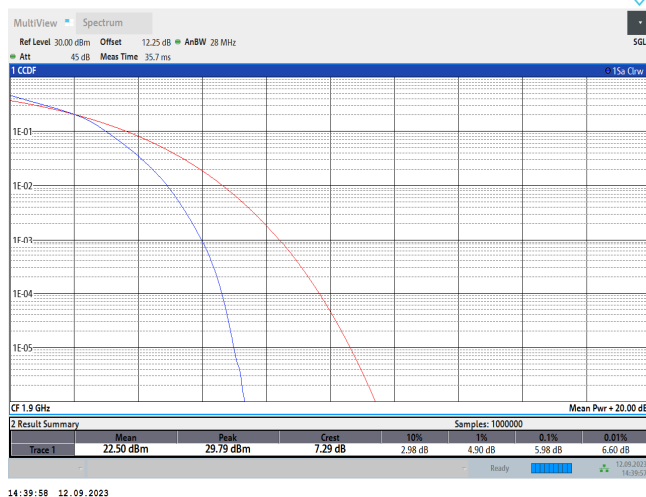
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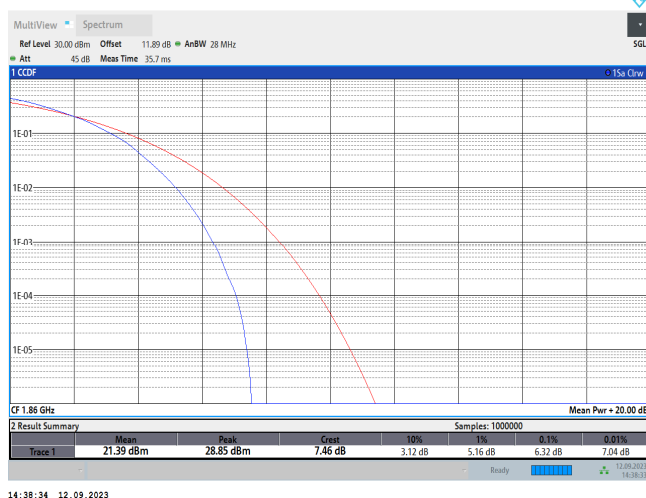
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Band2-20MHz-16QAM-19100-100RB#0



Band2-20MHz-64QAM-18700-100RB#0



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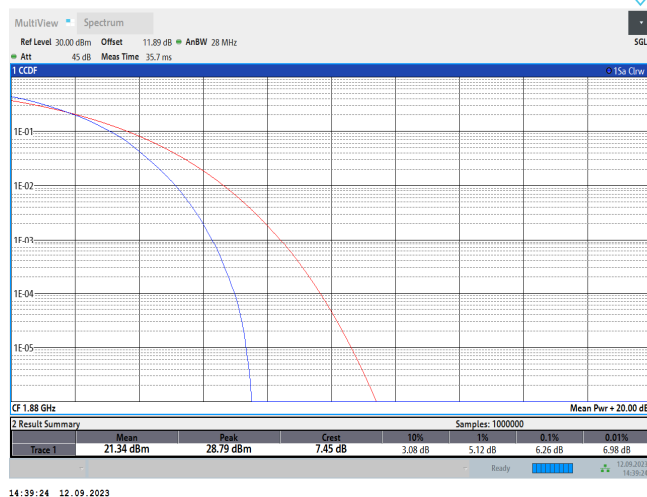
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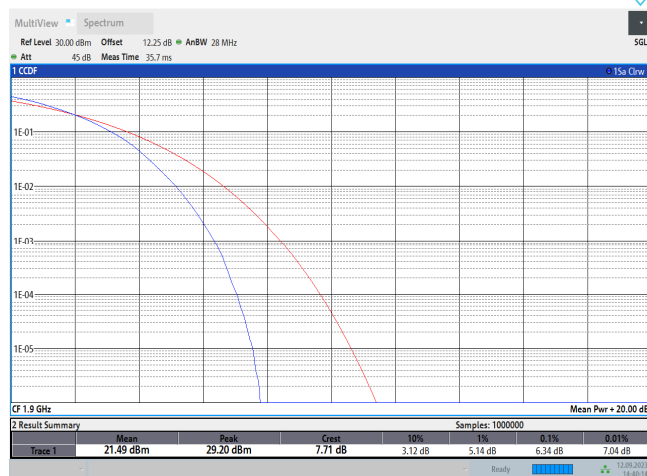
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Band2-20MHz-64QAM-18900-100RB#0



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Band2-20MHz-64QAM-19100-100RB#0



14:40:15 12.09.2023



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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	1.078	1.23	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.085	1.28	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.085	1.28	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.098	1.31	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.097	1.31	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.097	1.31	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.096	1.33	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.097	1.31	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.096	1.31	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.682	2.91	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.685	2.90	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.684	2.91	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.678	2.90	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.675	2.90	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.679	2.92	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.679	2.89	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.679	2.89	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.683	2.90	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.469	4.83	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.467	4.83	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.467	4.81	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.479	4.99	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.459	4.95	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.465	4.85	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.47	4.84	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.473	4.85	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.471	4.85	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.938	9.62	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.922	9.60	PASS



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Band2	10MHz	QPSK	19150	50RB#0	8.947	9.60	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.929	9.54	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.925	9.60	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.92	9.56	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.935	9.60	PASS
Band2	10MHz	64QAM	18900	50RB#0	8.93	9.62	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.938	9.64	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.488	14.64	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.465	14.61	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.493	14.64	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.475	14.70	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.466	14.76	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.455	14.70	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.456	14.76	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.446	14.67	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.438	14.76	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.951	19.48	PASS
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Band2	20MHz	QPSK	19100	100RB#0	17.868	19.20	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.935	19.32	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.919	19.28	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.864	19.28	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.904	19.32	PASS
Band2	20MHz	64QAM	18900	100RB#0	17.909	19.56	PASS
Band2	20MHz	64QAM	19100	100RB#0	17.865	19.28	PASS



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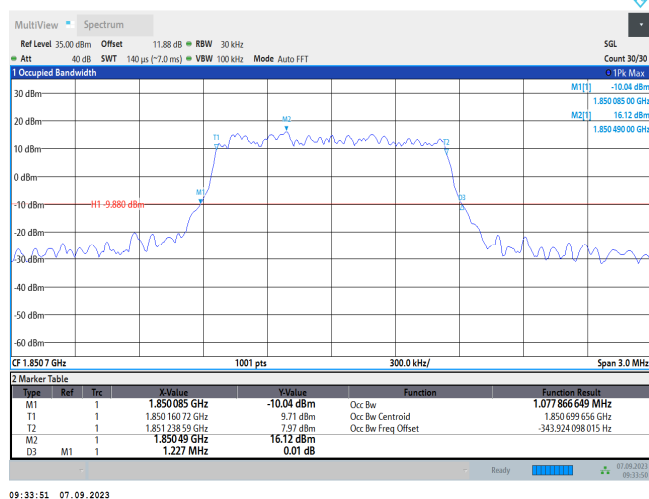
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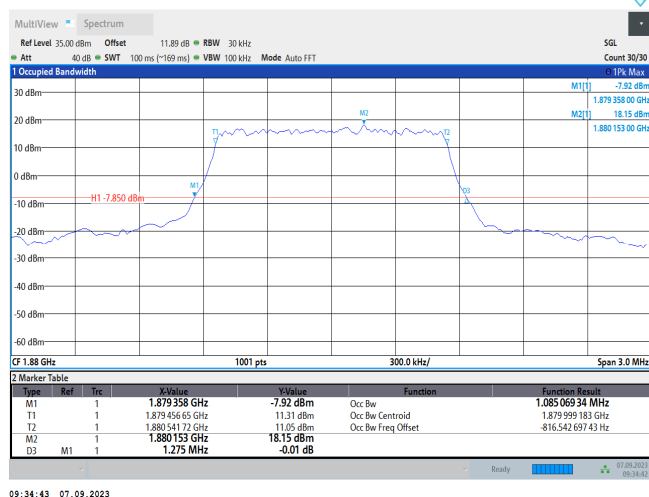
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Test Graphs

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



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



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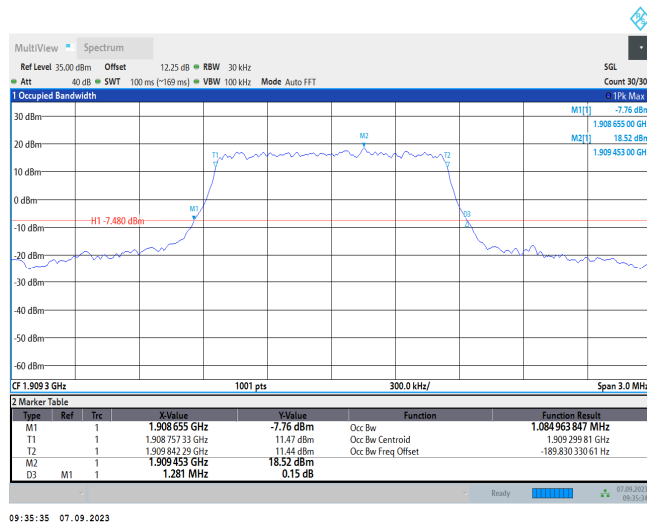
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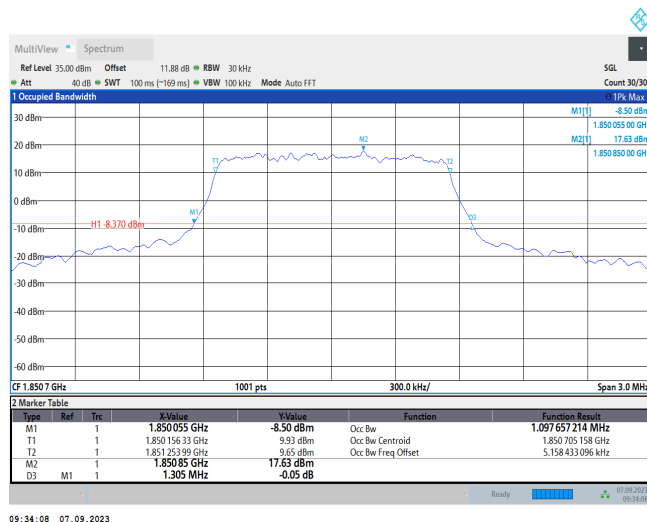
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Band2-1.4MHz-16QAM-18607-6RB#0



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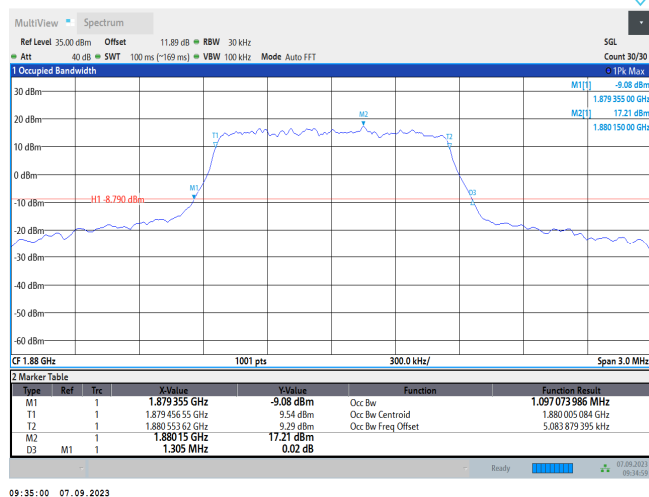
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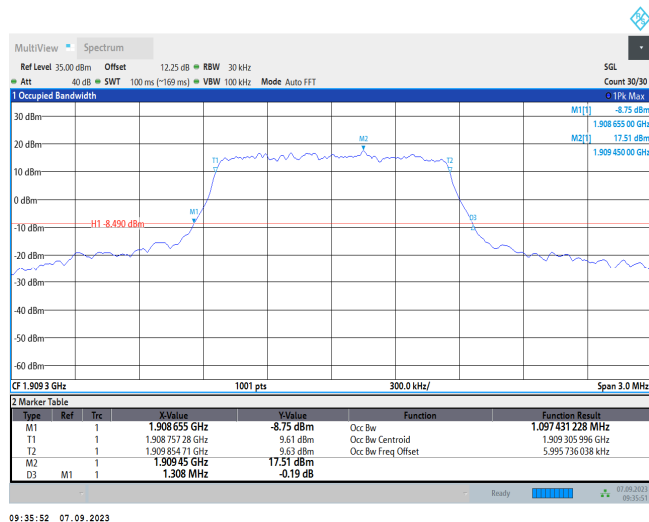


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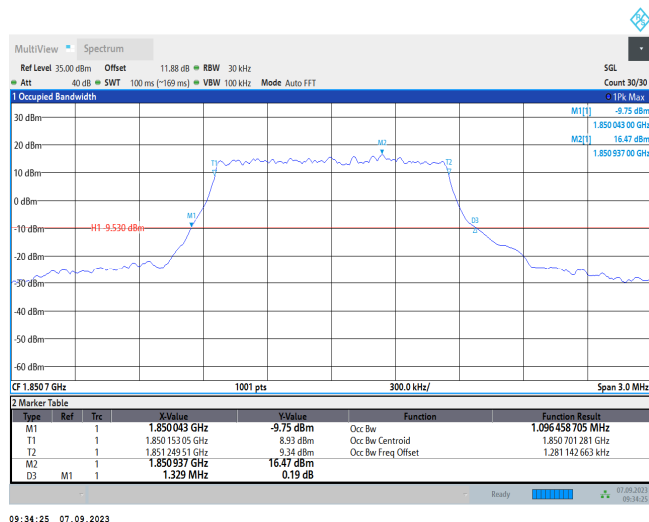
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Band2-1.4MHz-64QAM-18607-6RB#0



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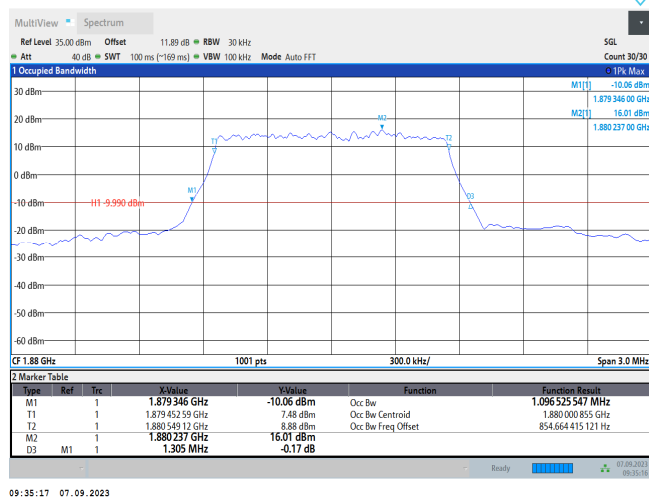
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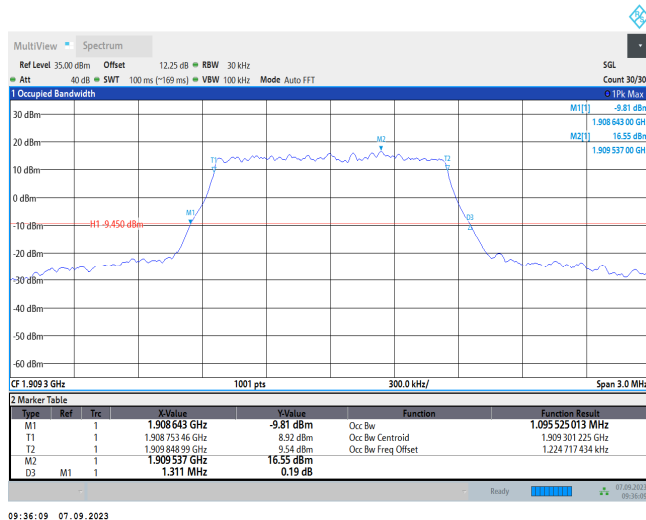
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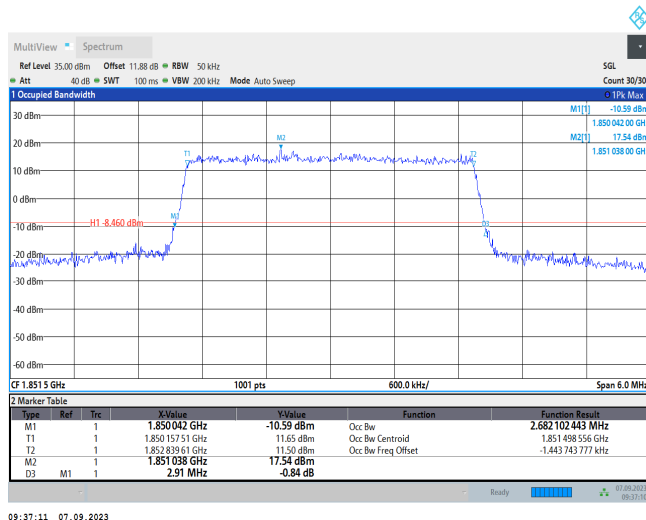
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Band2-3MHz-QPSK-18615-15RB#0

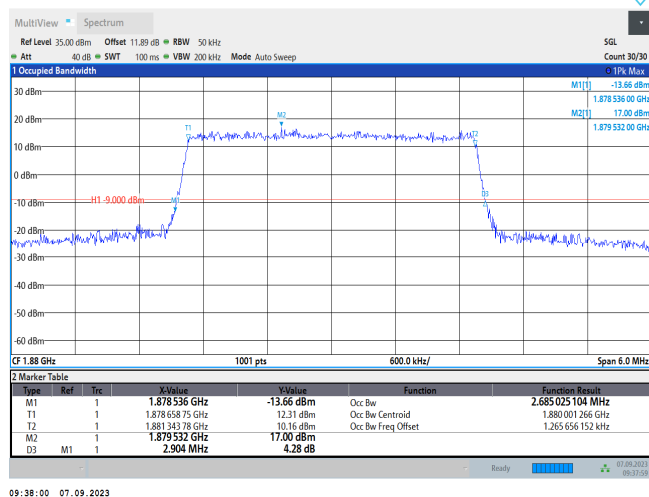


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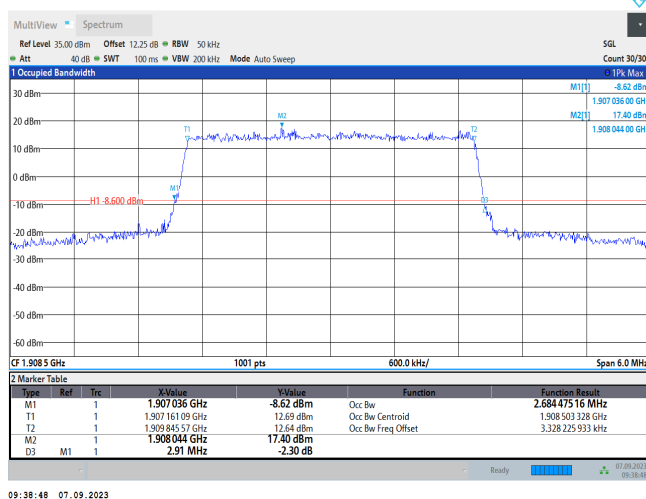


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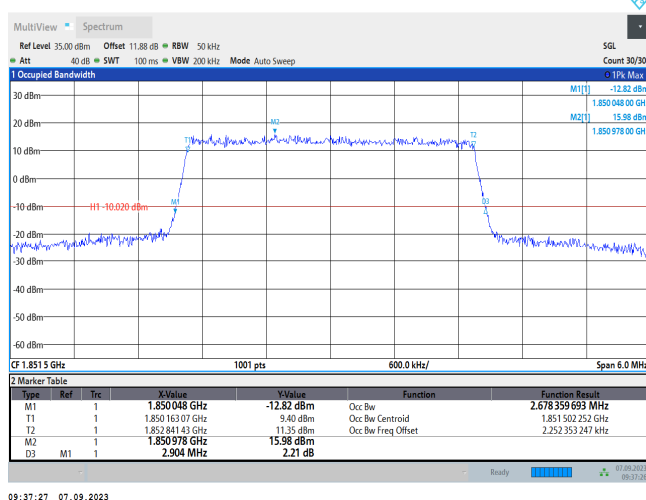
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Band2-3MHz-QPSK-19185-15RB#0



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



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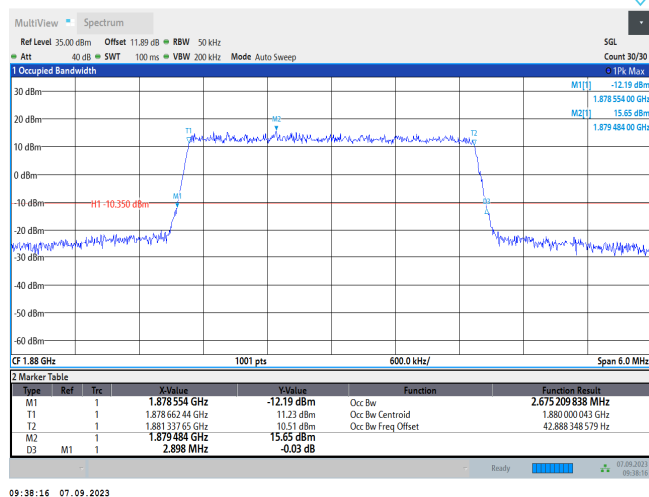
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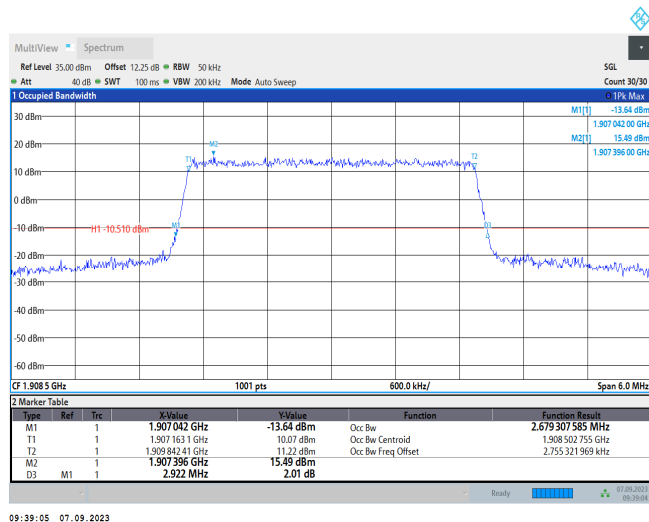
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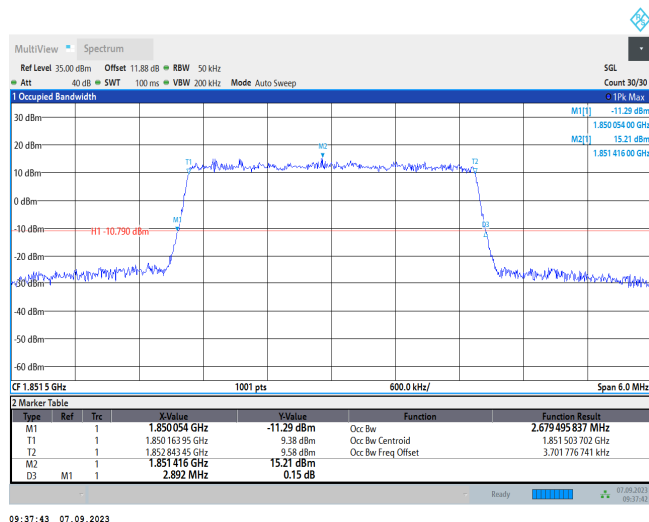
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Band2-3MHz-16QAM-19185-15RB#0



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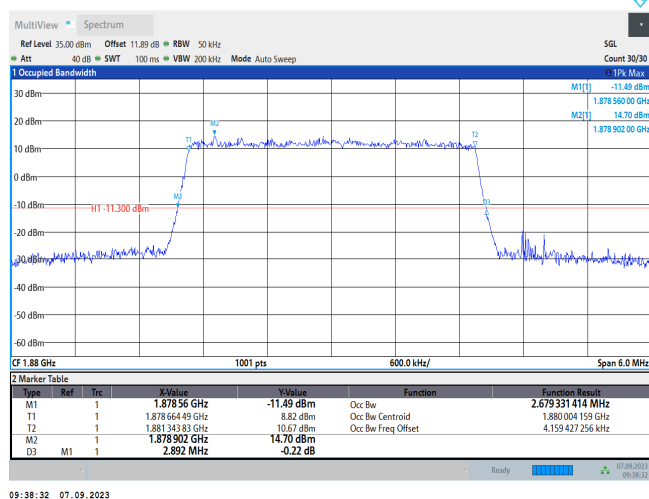
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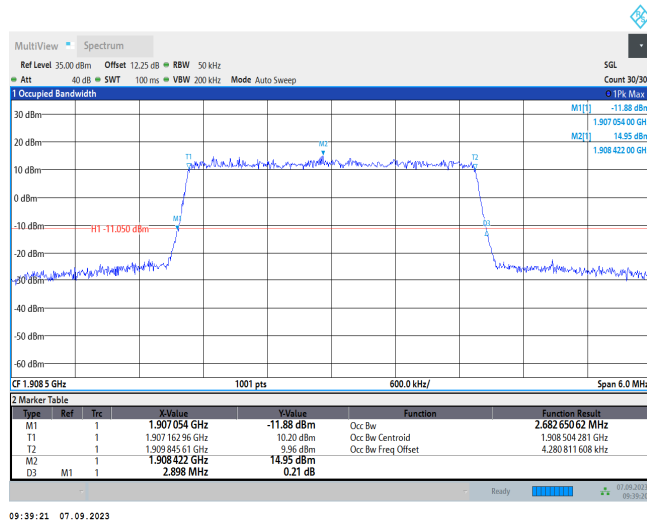


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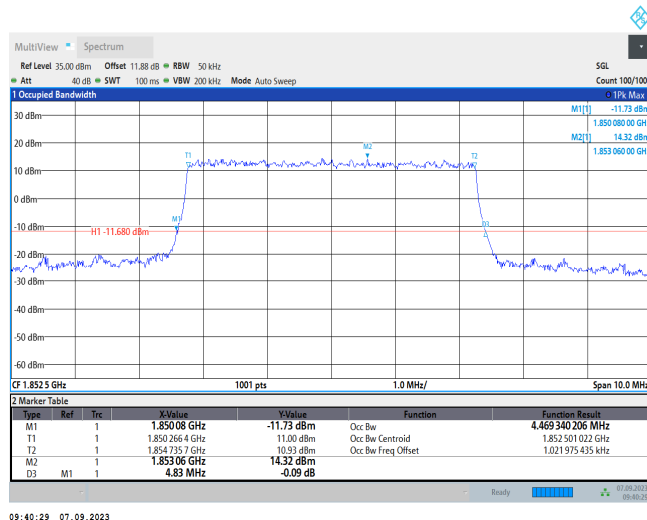
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Band2-5MHz-QPSK-18625-25RB#0



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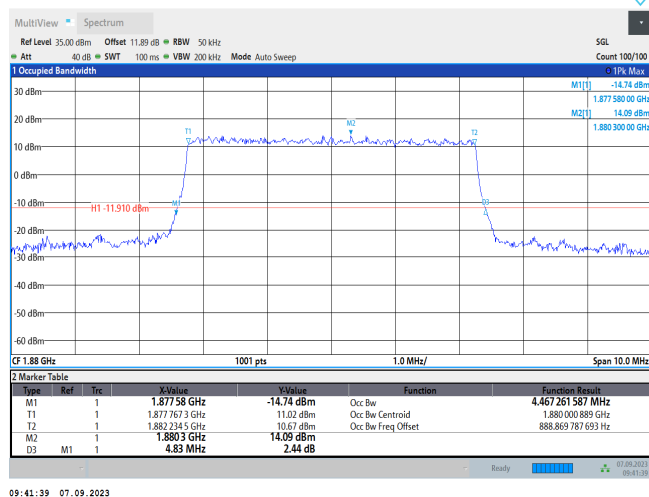
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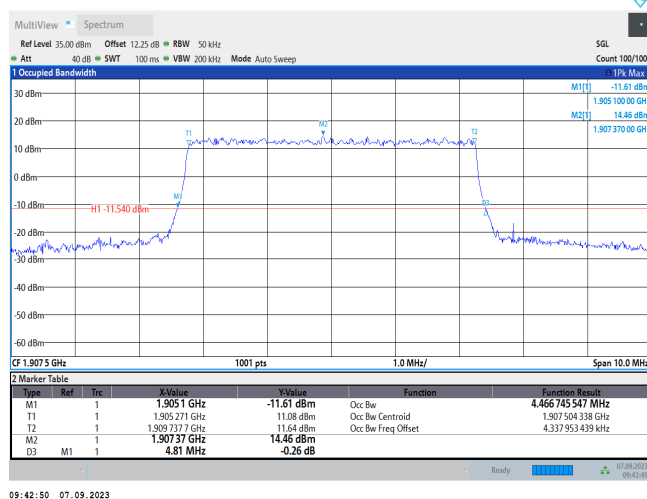


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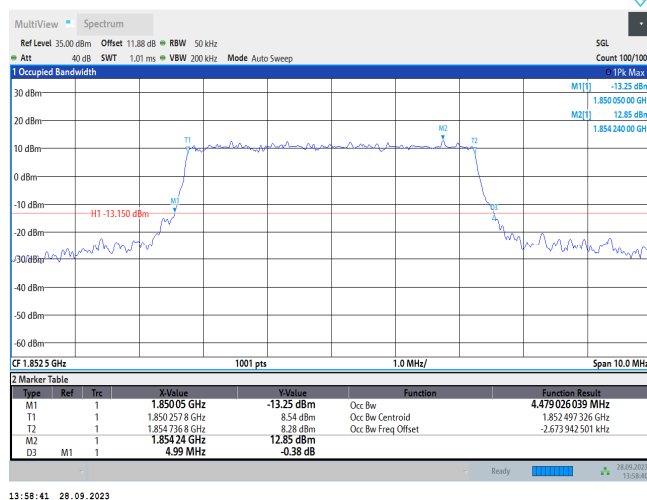
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Band2-5MHz-16QAM-18625-25RB#0



13:58:41 28.09.2023



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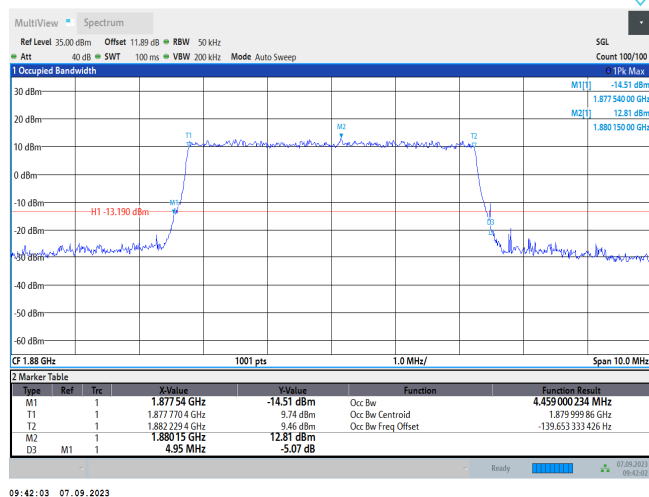
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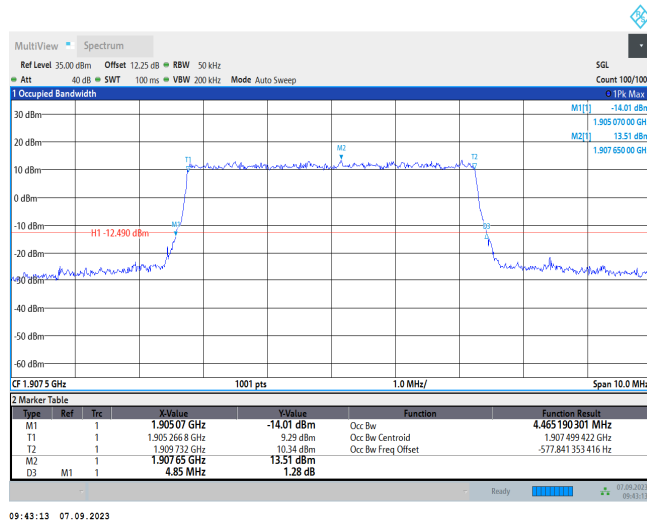


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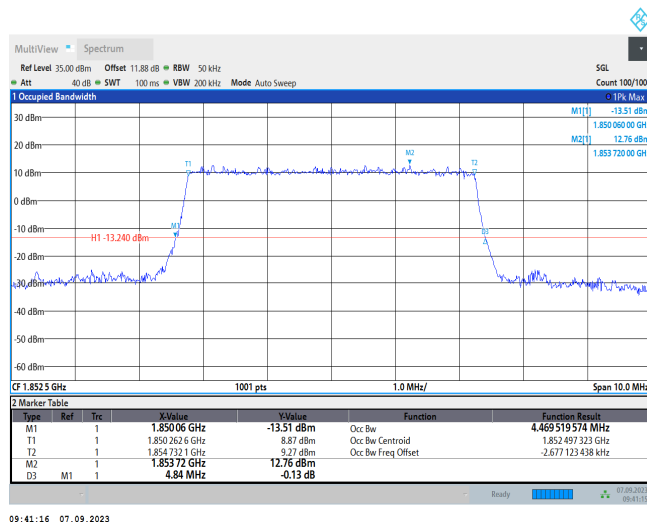
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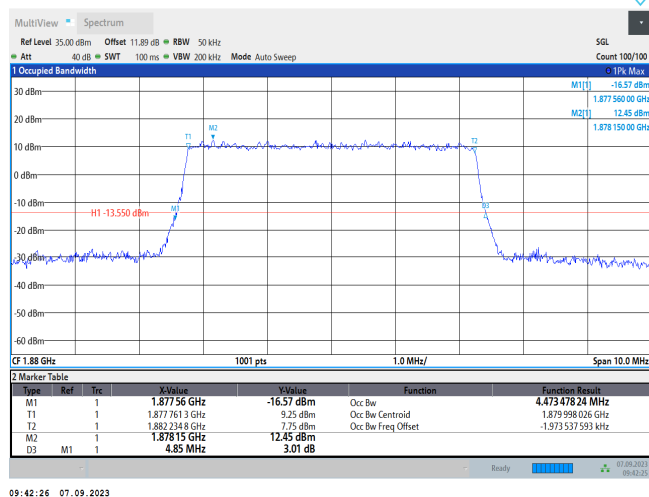


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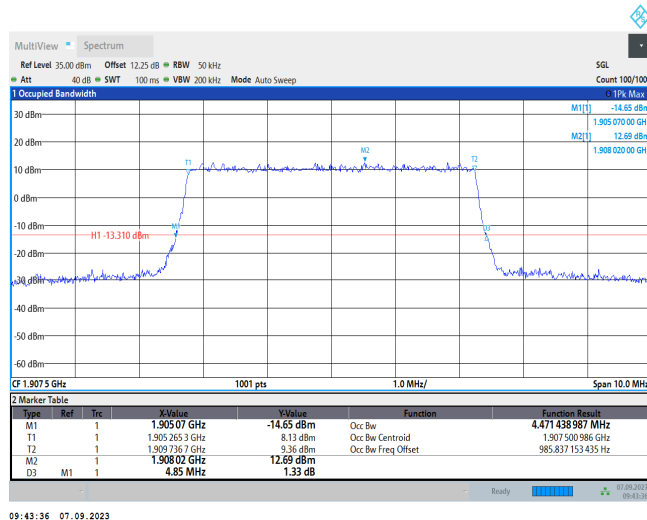


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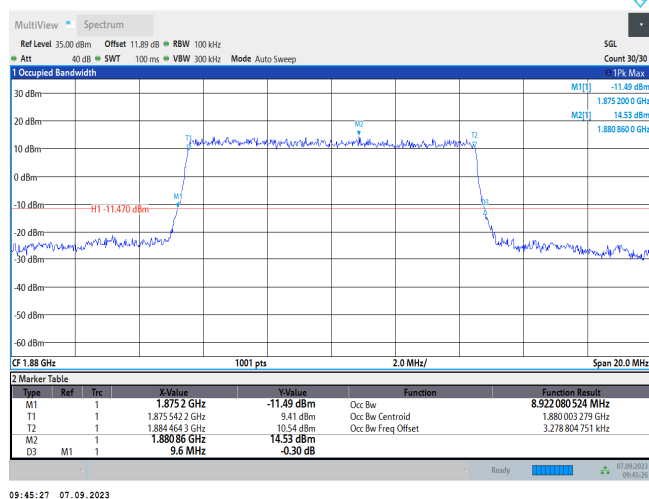


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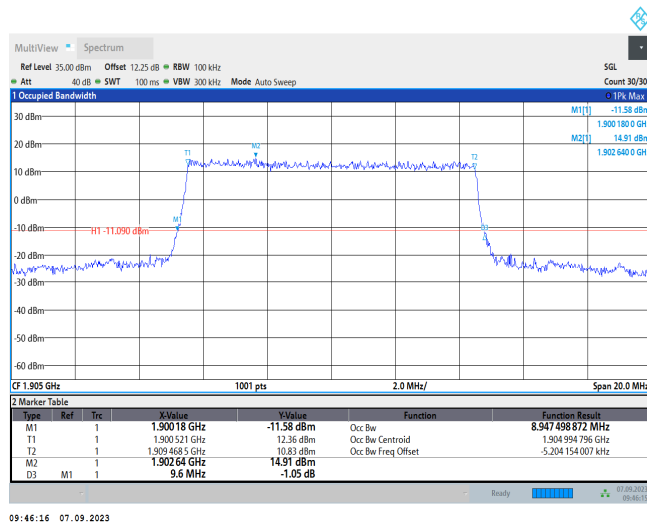
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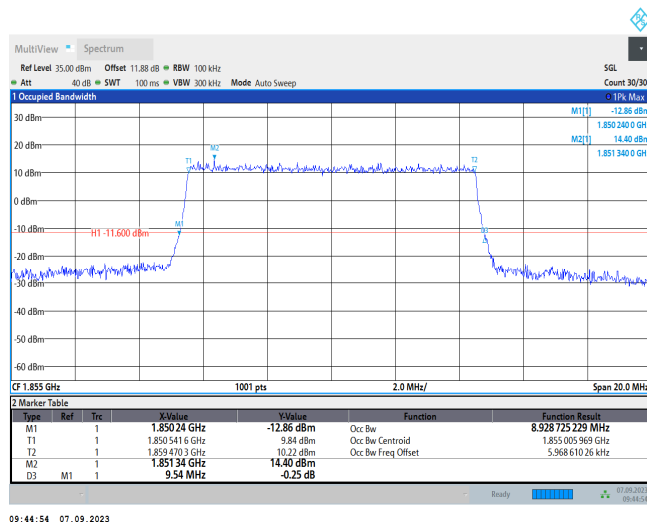
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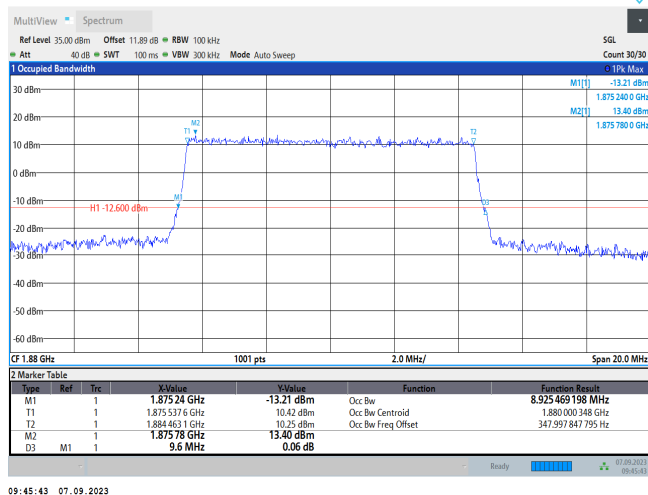


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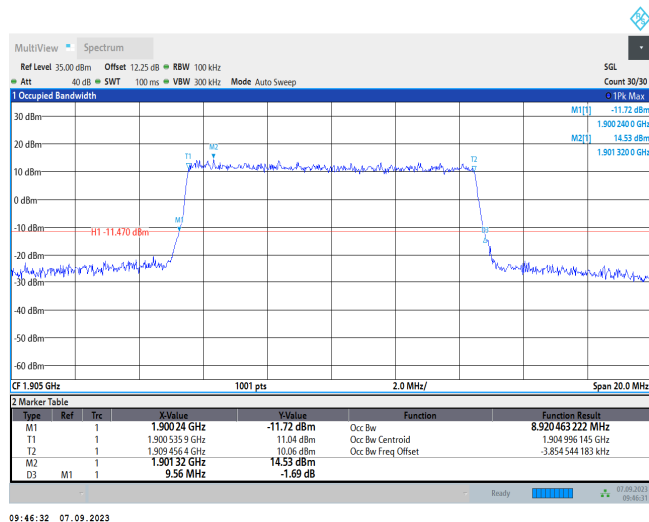
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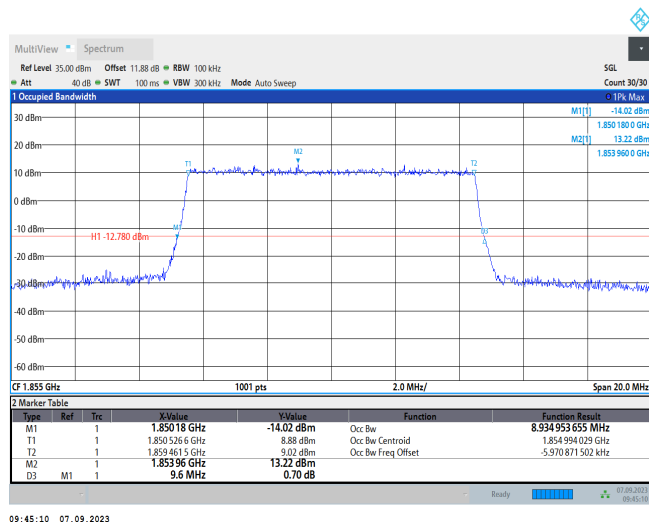
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Band2-10MHz-64QAM-18650-50RB#0



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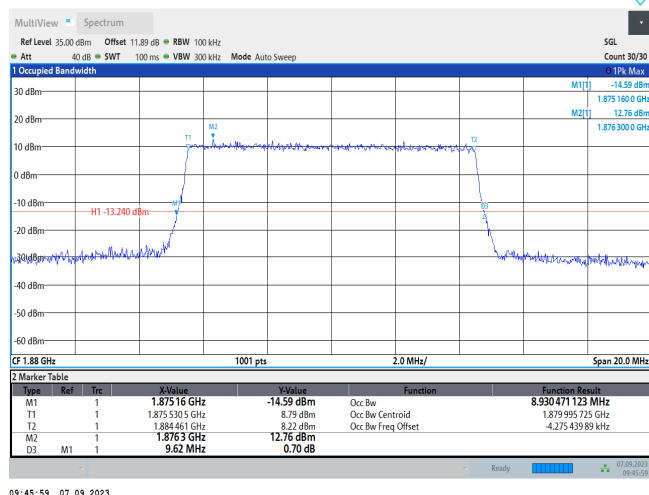
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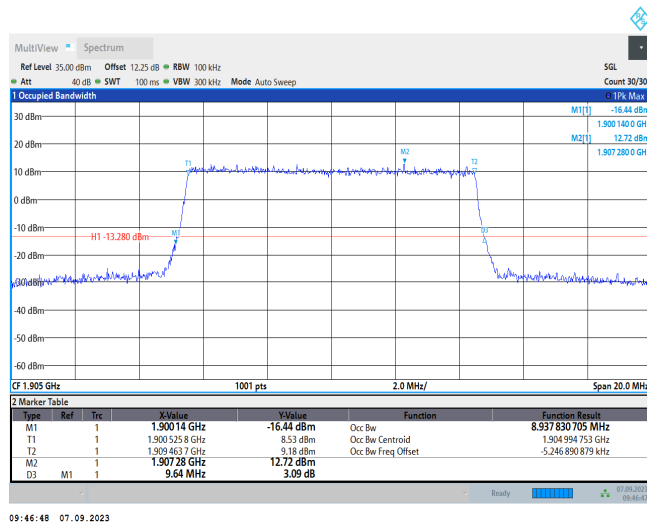


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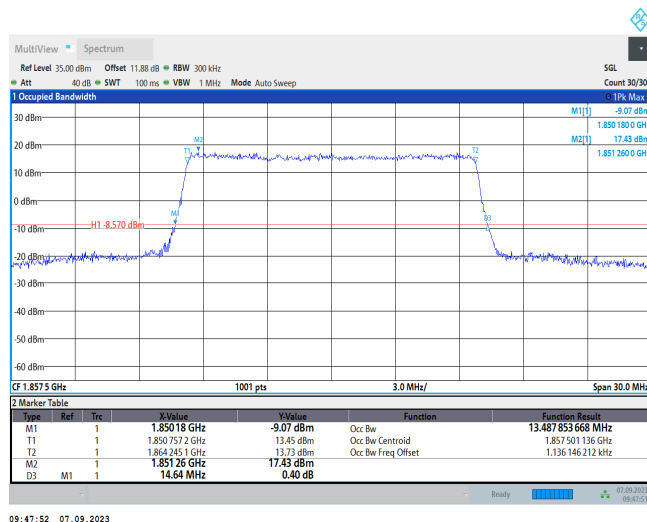
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Band2-15MHz-QPSK-18675-75RB#0



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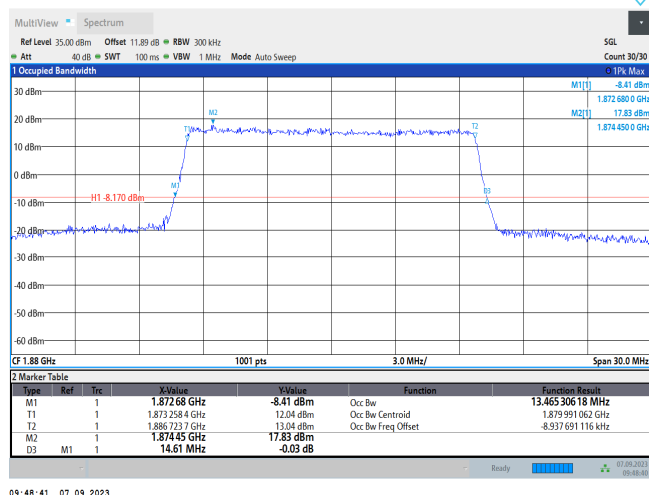
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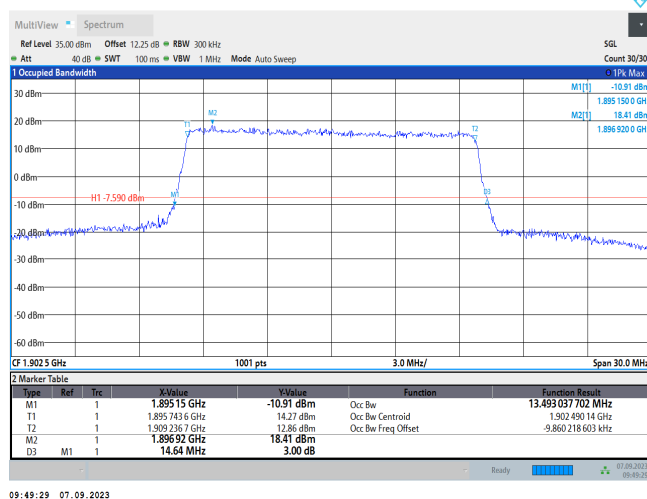
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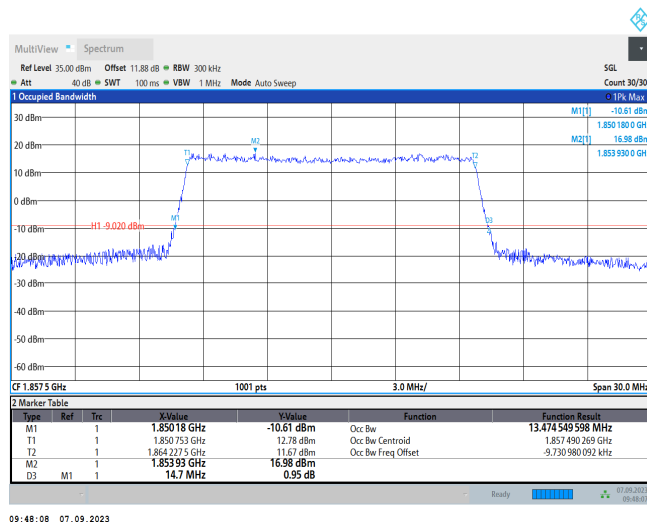
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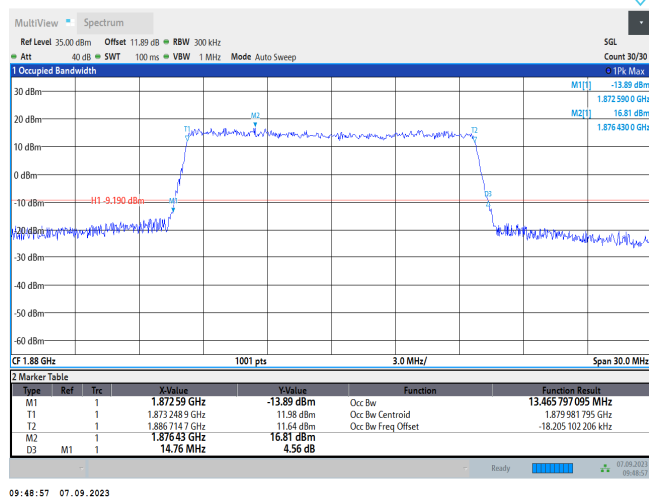
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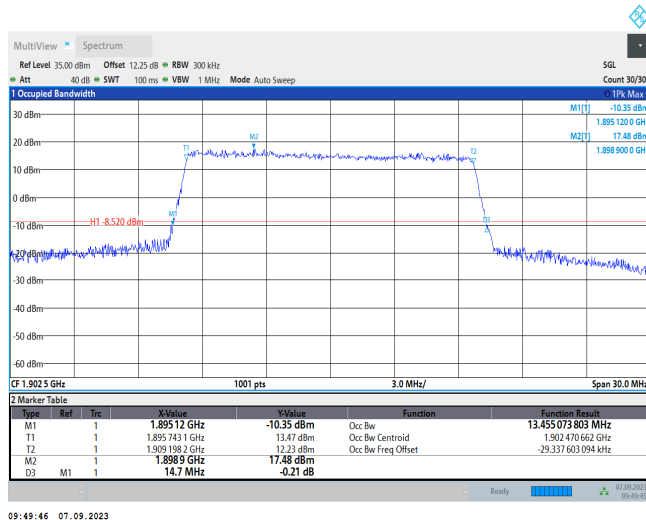
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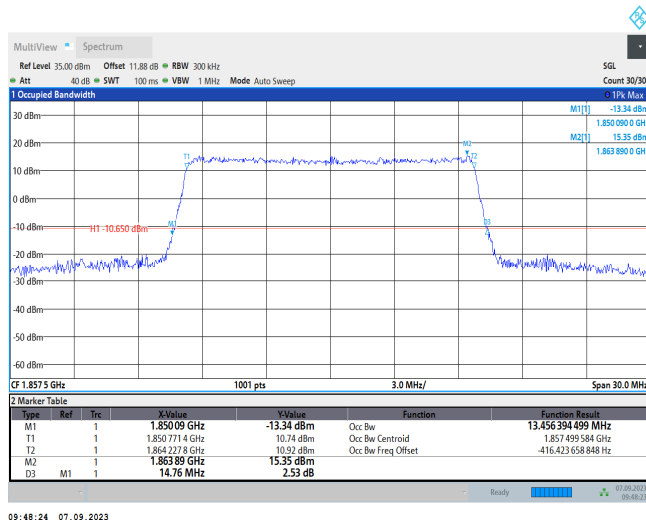
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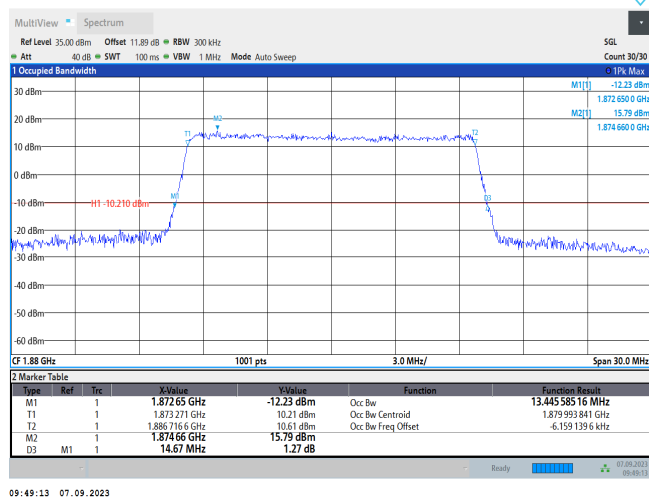


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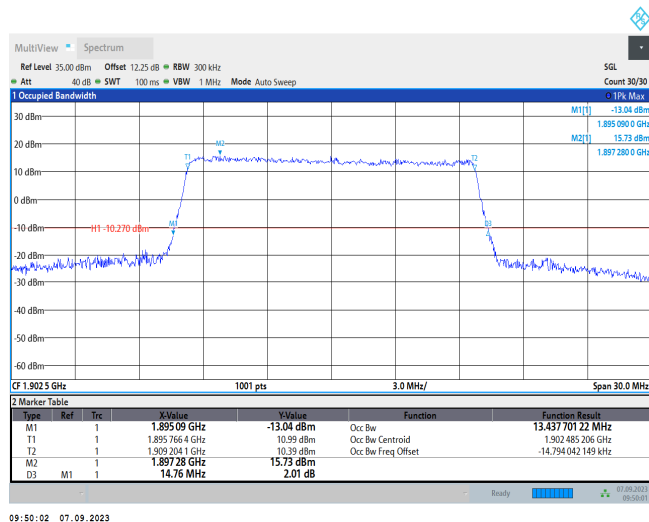
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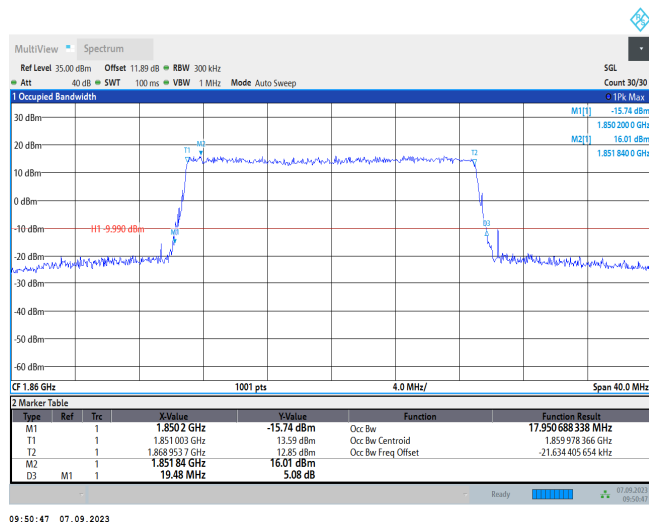
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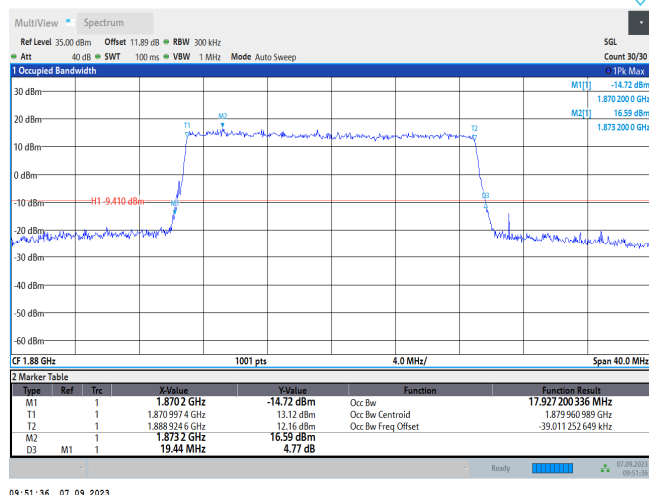
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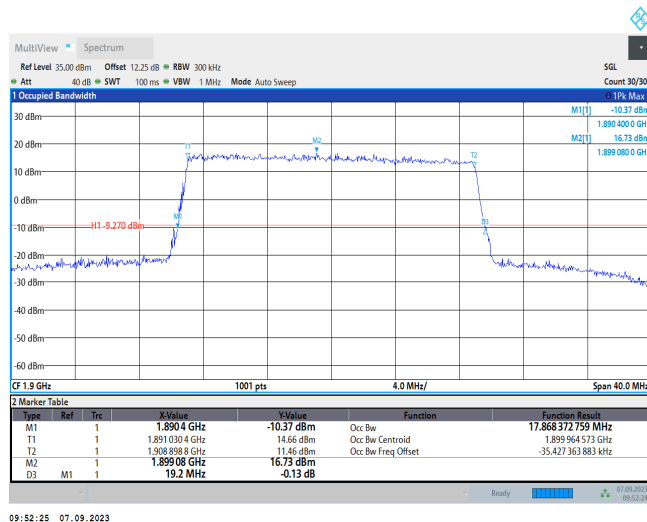


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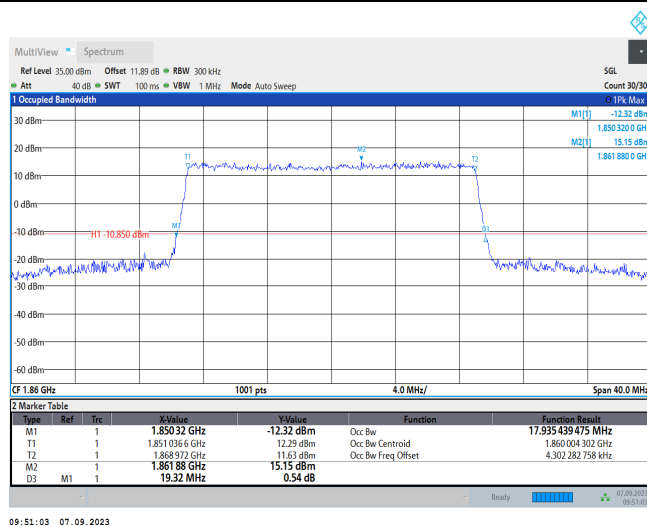
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Band2-20MHz-QPSK-19100-100RB#0



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

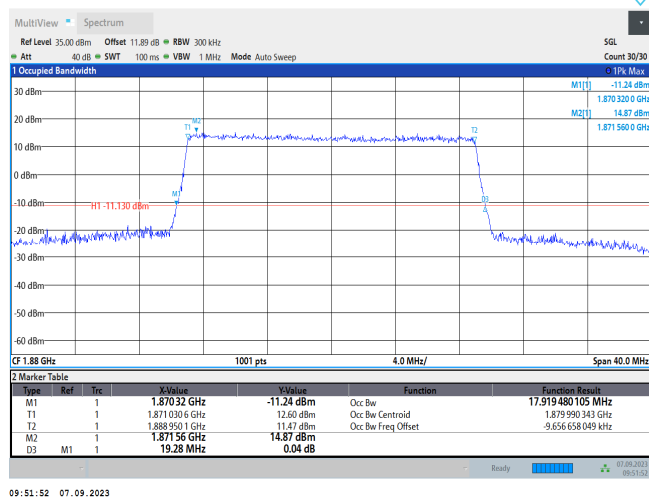


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Band2-20MHz-16QAM-18900-100RB#0

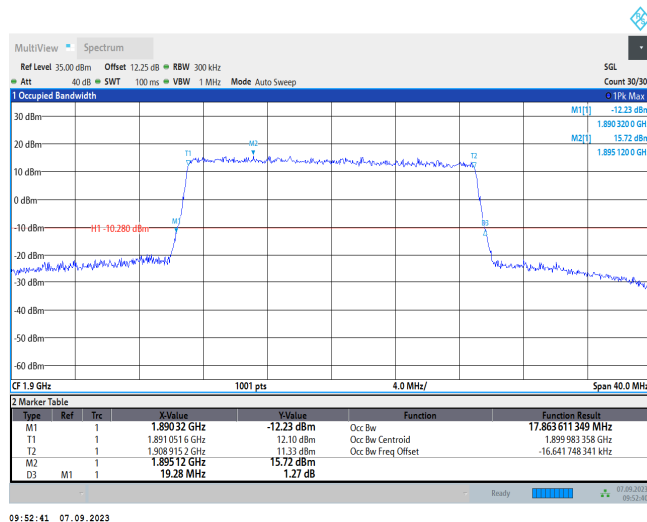


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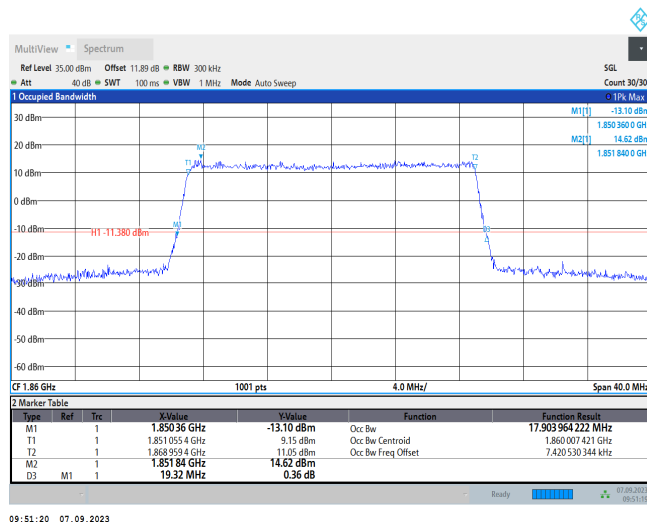
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Band2-20MHz-16QAM-19100-100RB#0



09:52:41 07.09.2023

Band2-20MHz-64QAM-18700-100RB#0



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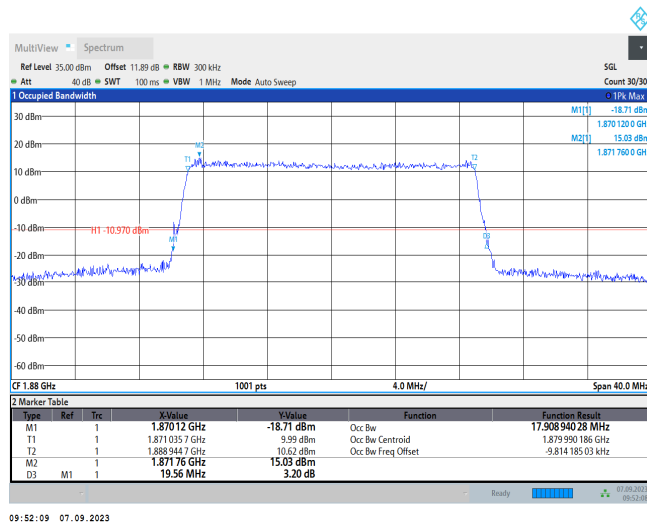
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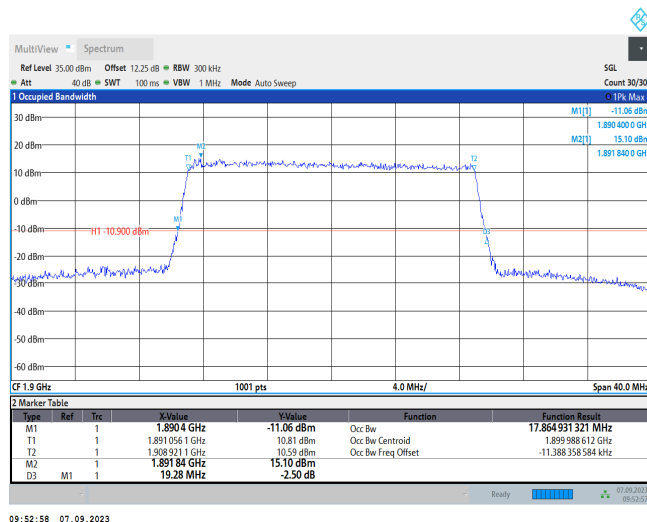
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Band2-20MHz-64QAM-18900-100RB#0



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Band2-20MHz-64QAM-19100-100RB#0



09:52:58 07.09.2023



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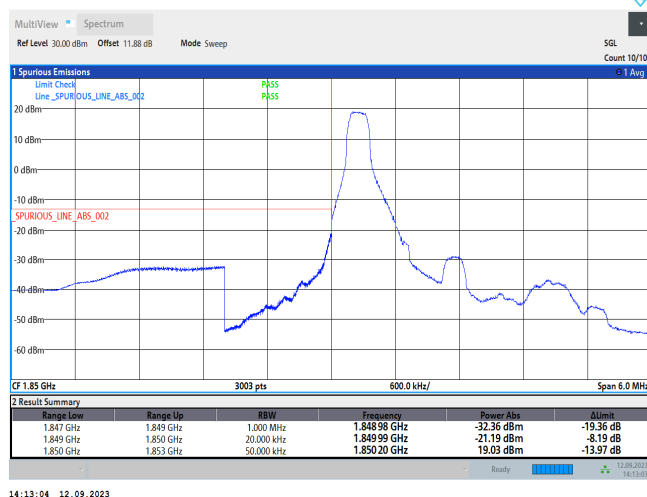
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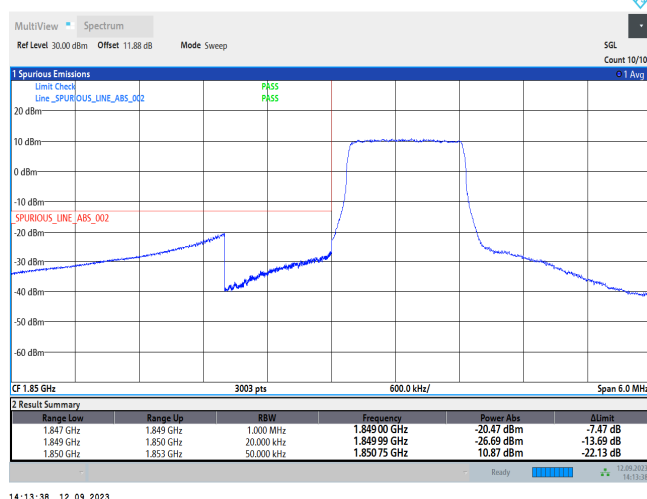
Test Graphs

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



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



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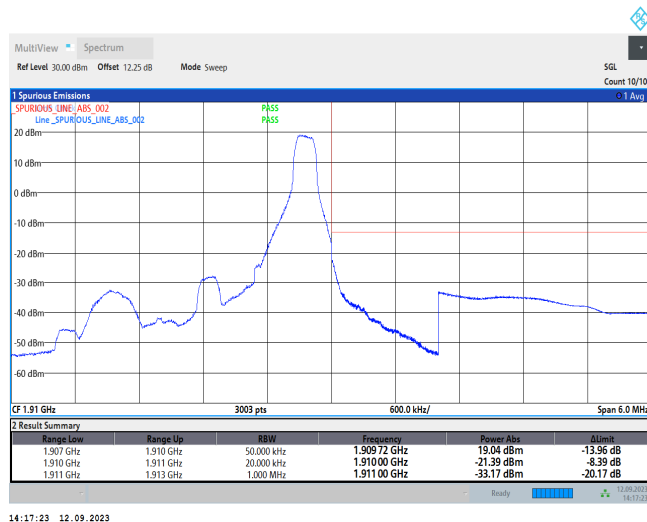
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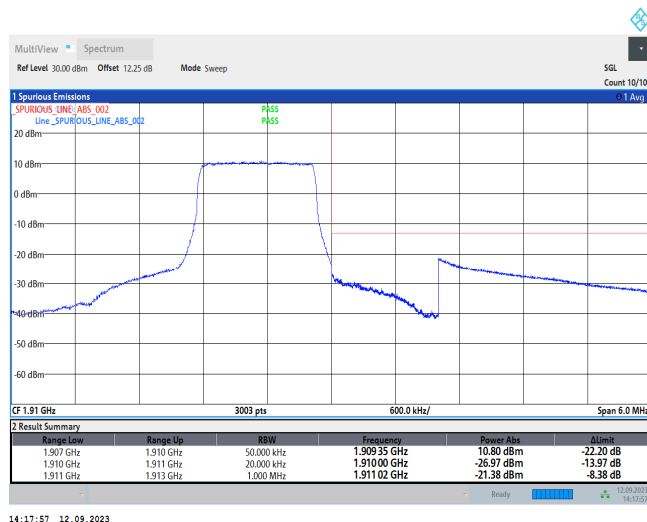
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Band2-1.4MHz-QPSK-19193-1RB#5



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

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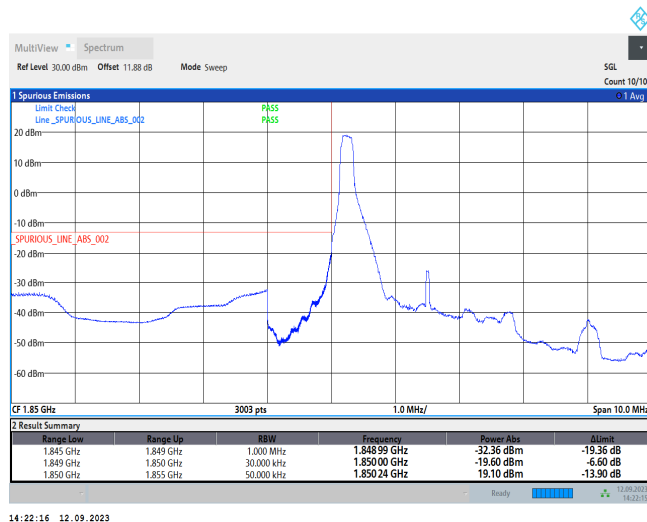
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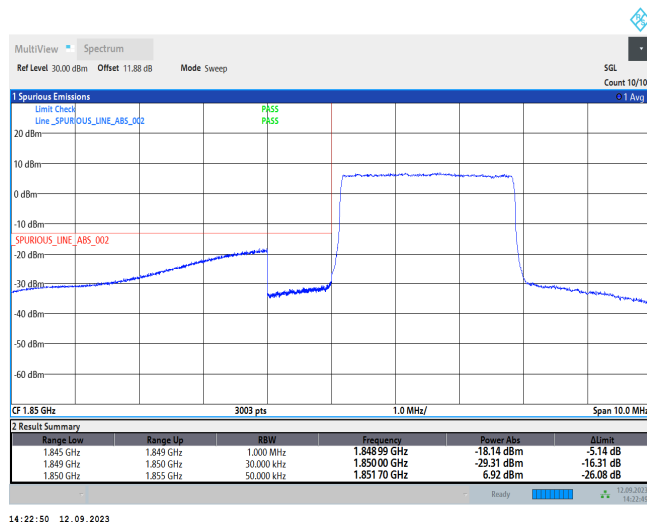
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Band2-3MHz-QPSK-18615-1RB#0



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

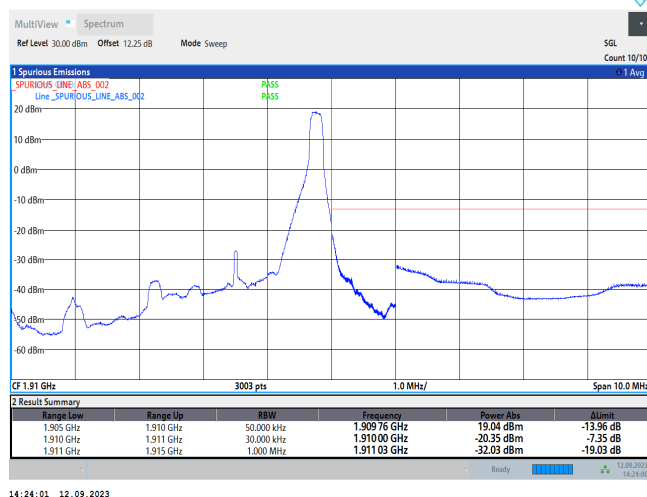


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Band2-3MHz-QPSK-19185-1RB#14



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



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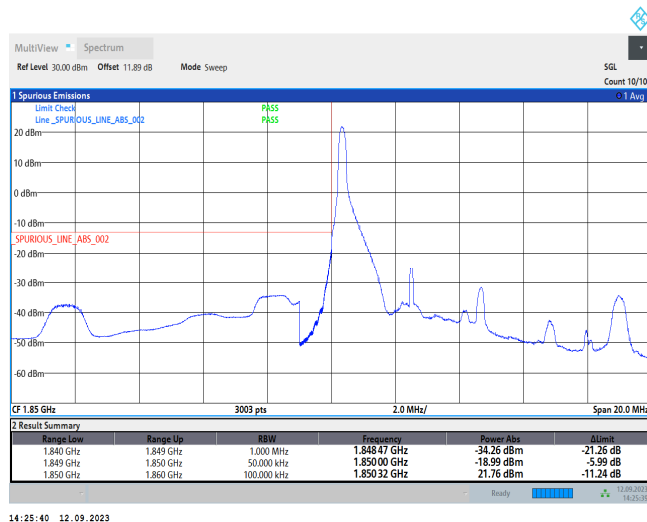
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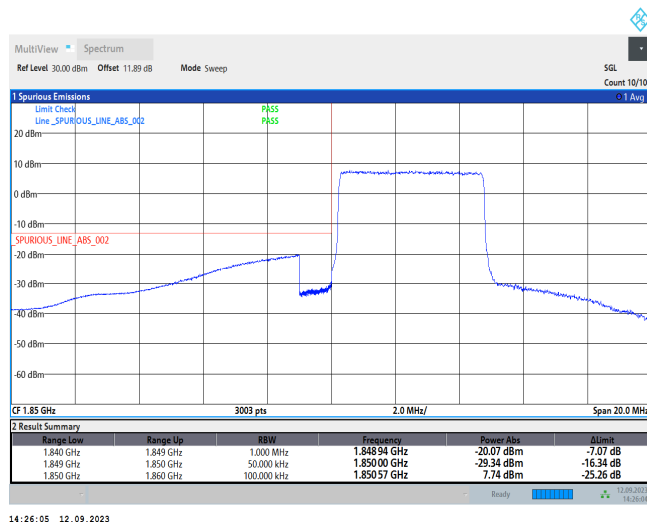
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Band2-5MHz-QPSK-18625-1RB#0



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

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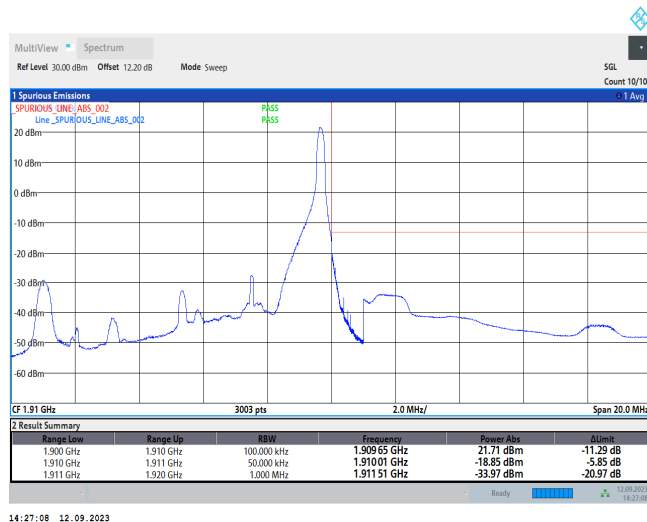
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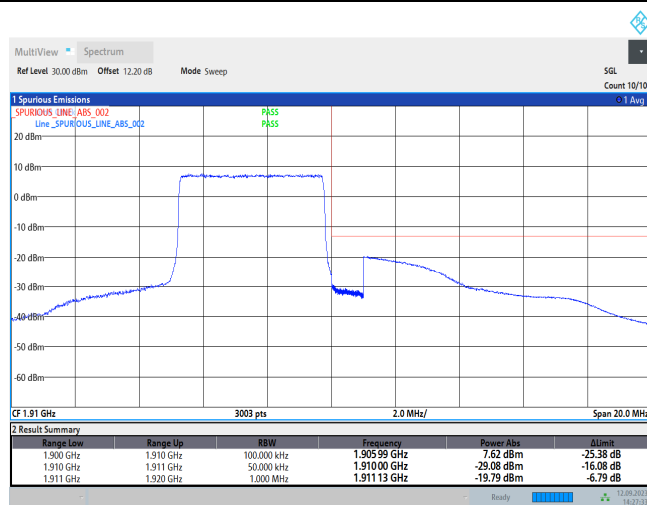
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Band2-5MHz-QPSK-19175-1RB#24



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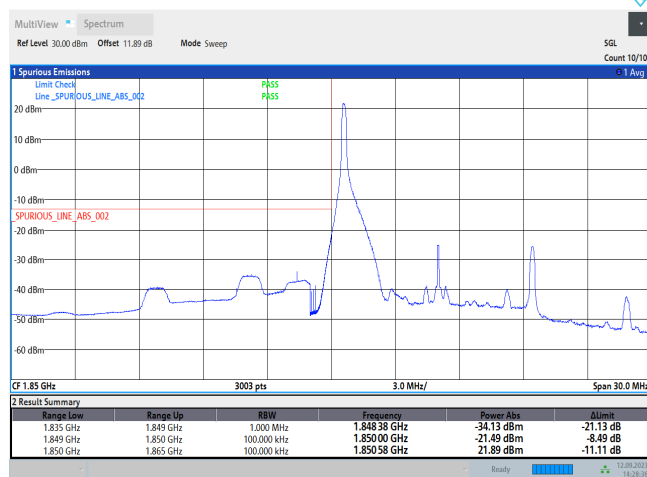
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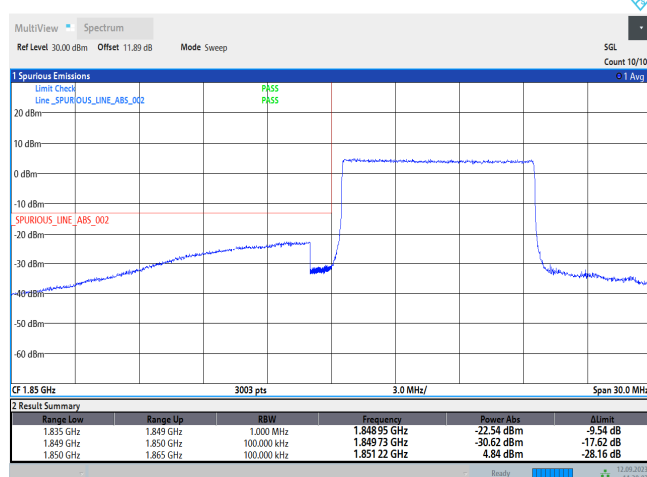
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Band2-10MHz-QPSK-18650-1RB#0



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



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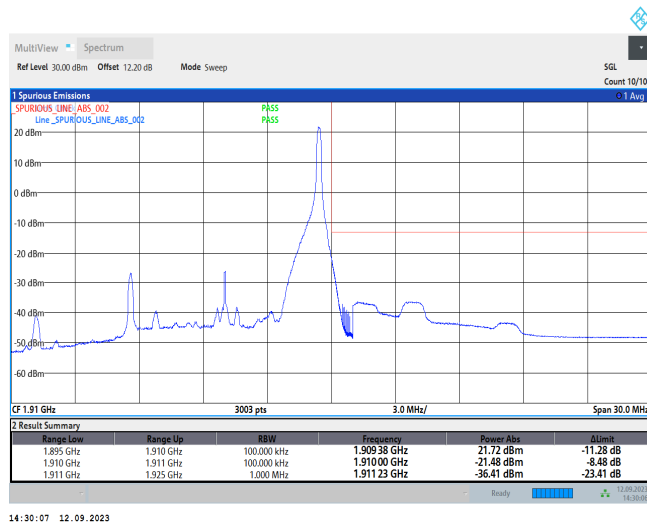
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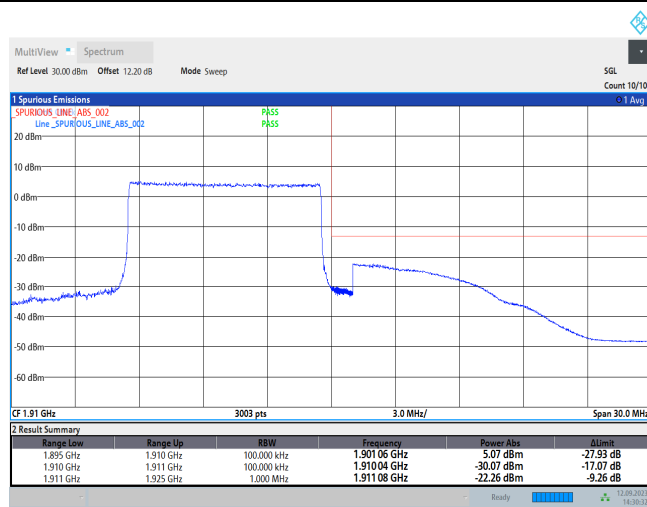
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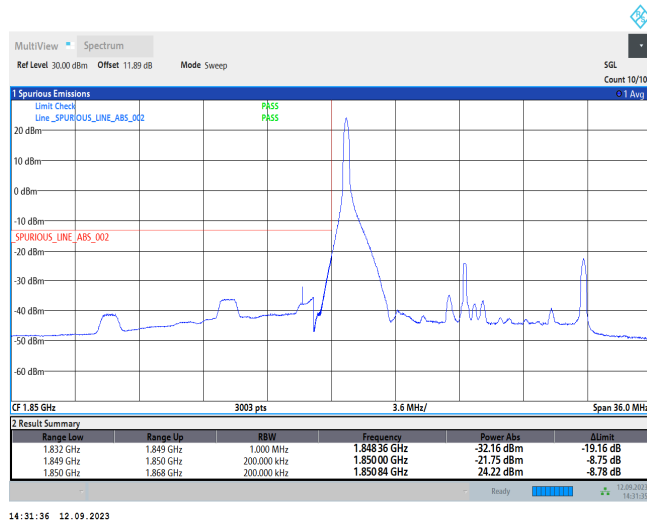
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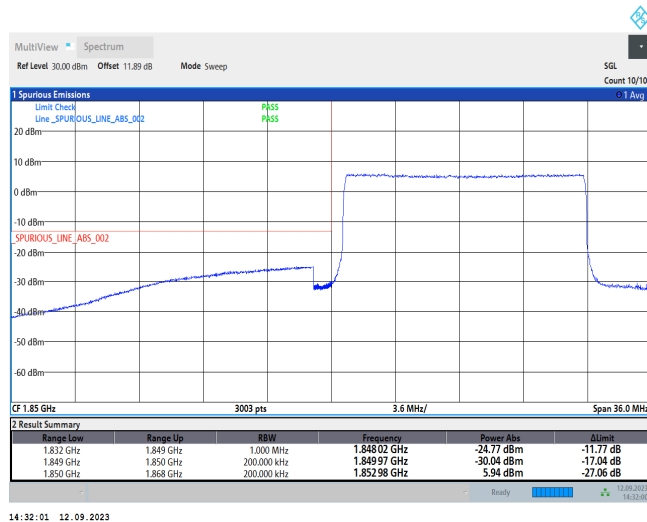
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Band2-15MHz-QPSK-18675-1RB#0



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



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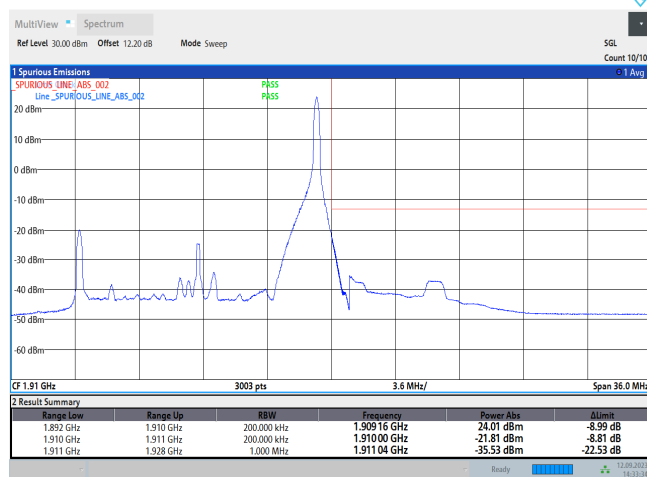
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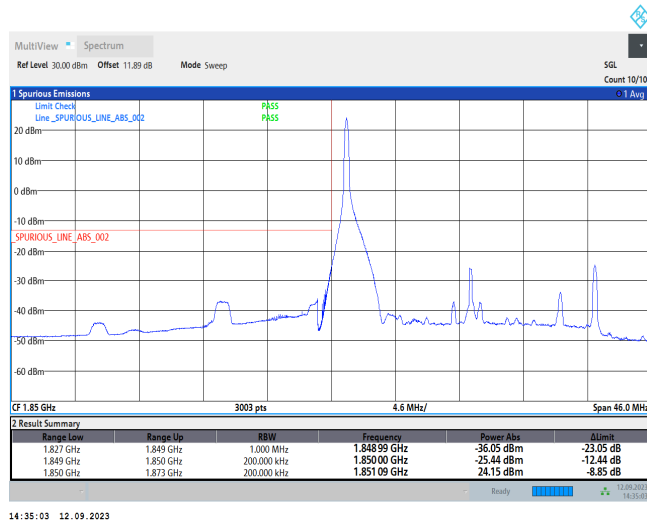
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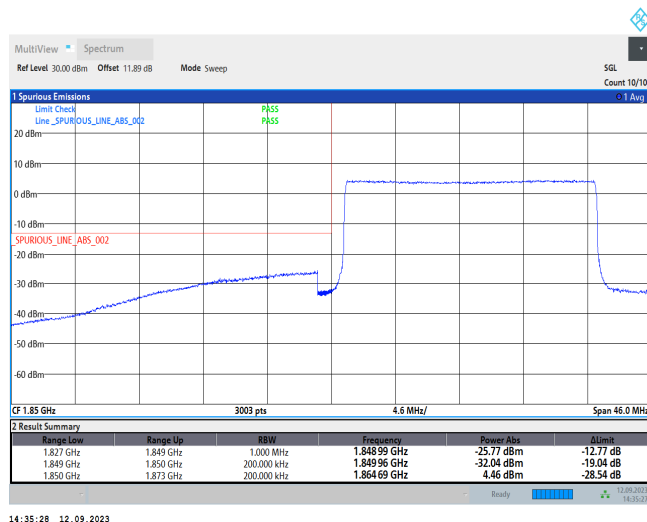
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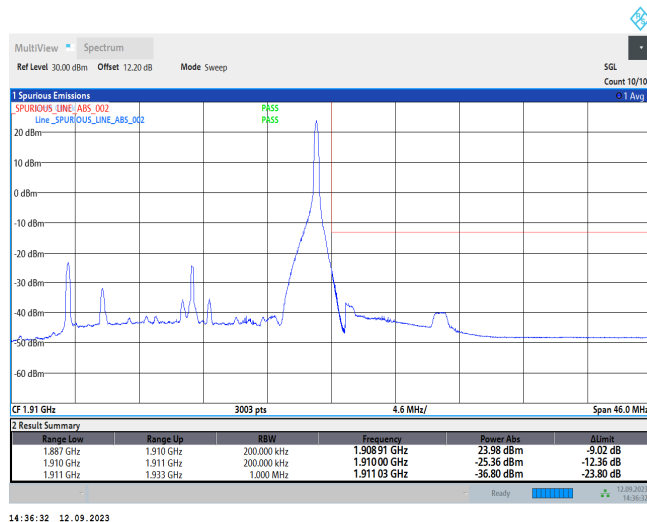
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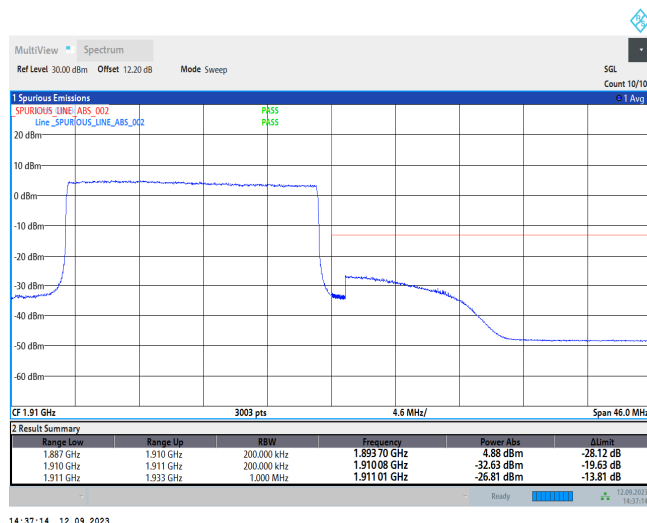
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Band2-20MHz-QPSK-19100-1RB#99



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



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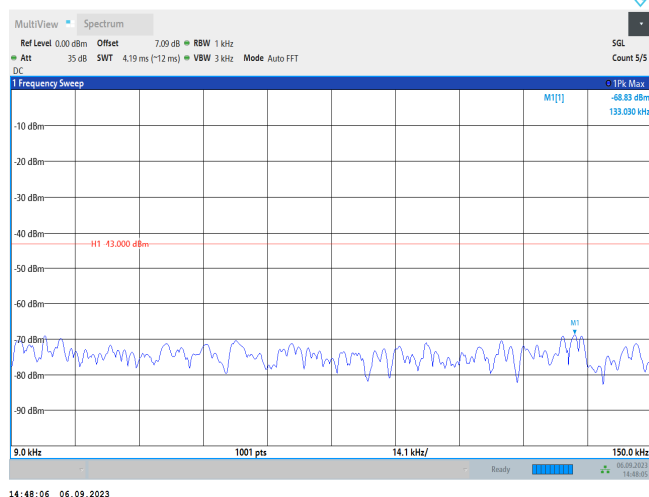
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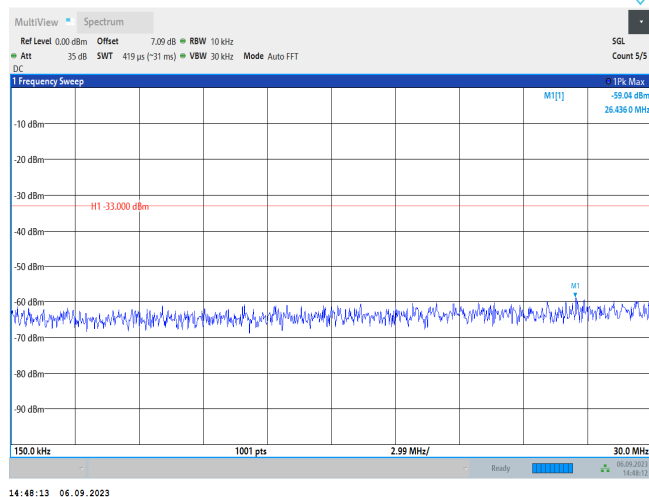
Conducted Spurious Emission

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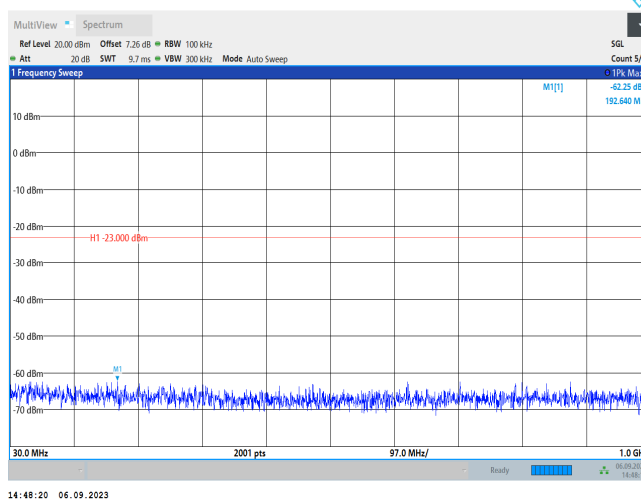
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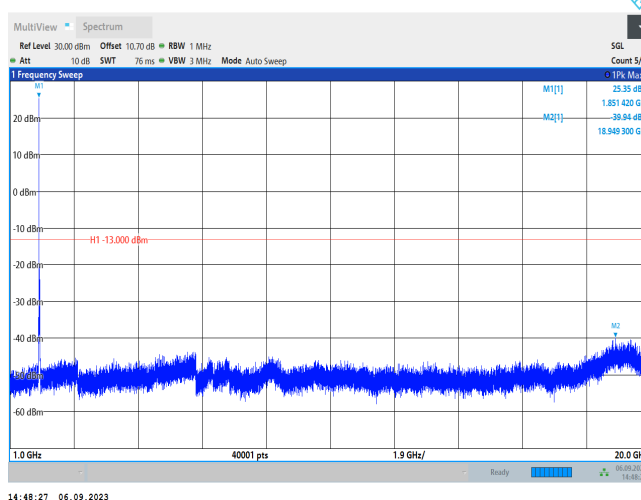
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



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



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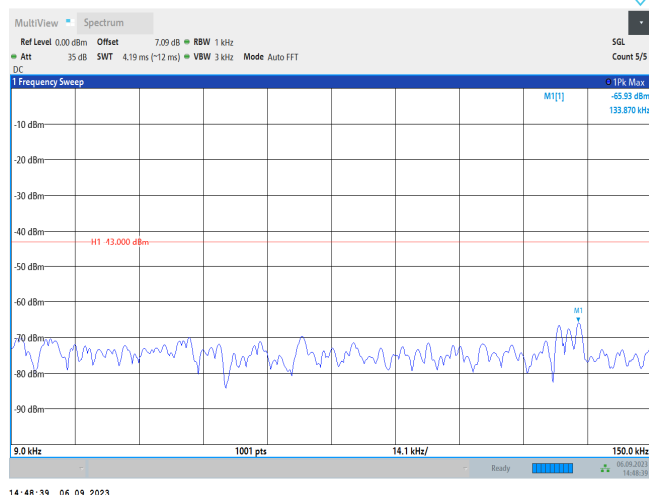
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



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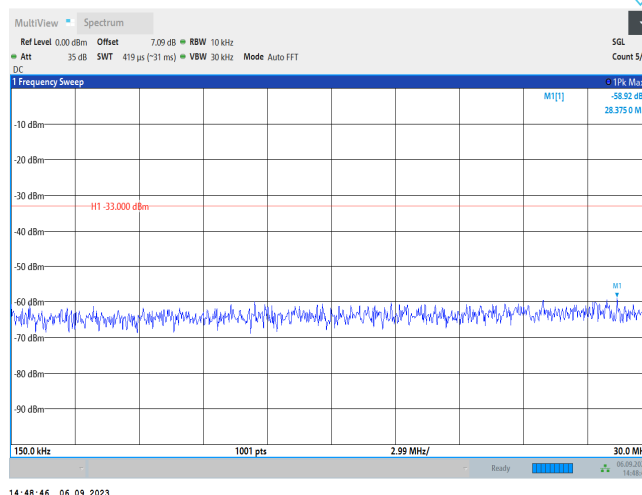
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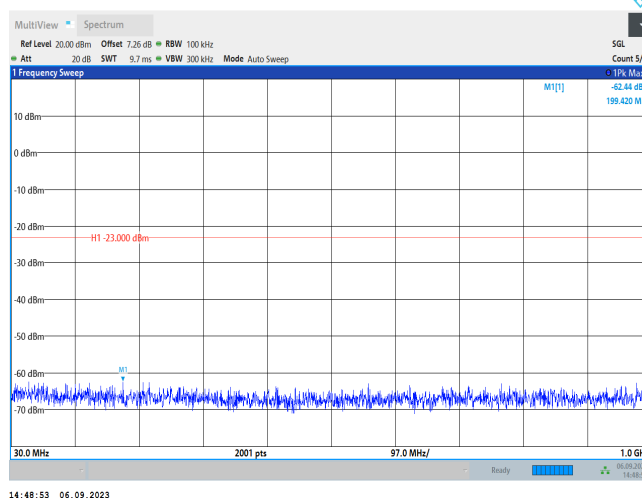
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Band2-20MHz-QPSK-18900-1RB#0-Range2:0.15~30MHz



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



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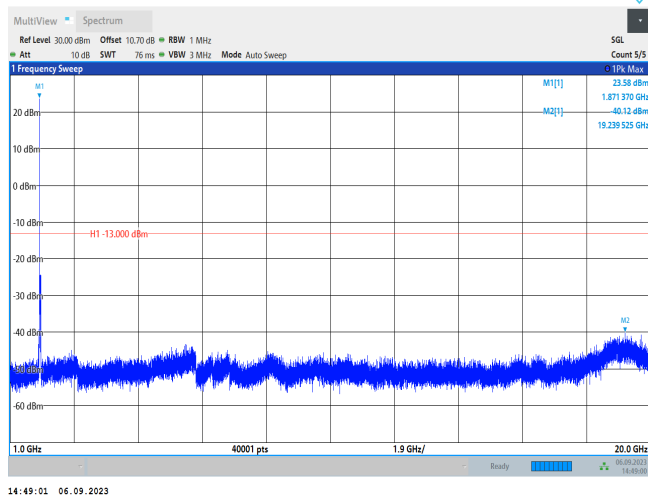
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Band2-20MHz-QPSK-18900-1RB#0-Range4:1000~20000MHz



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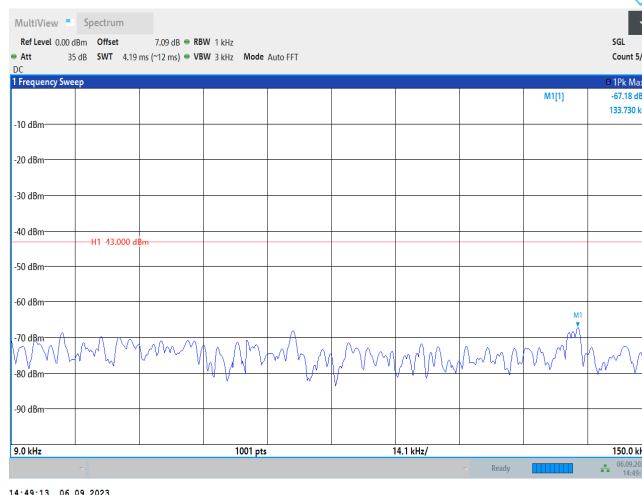
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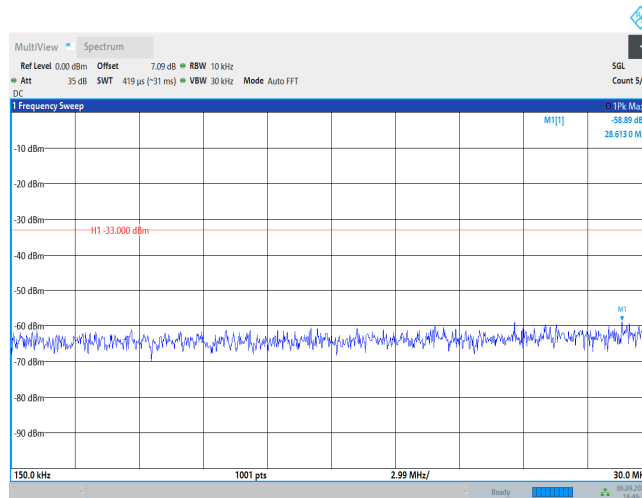
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



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



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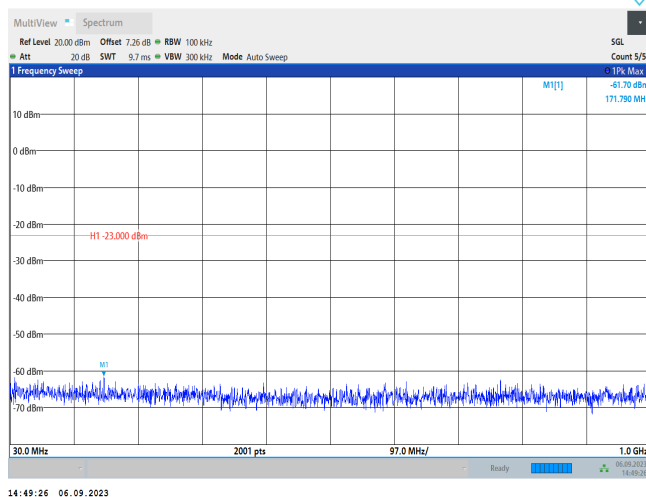
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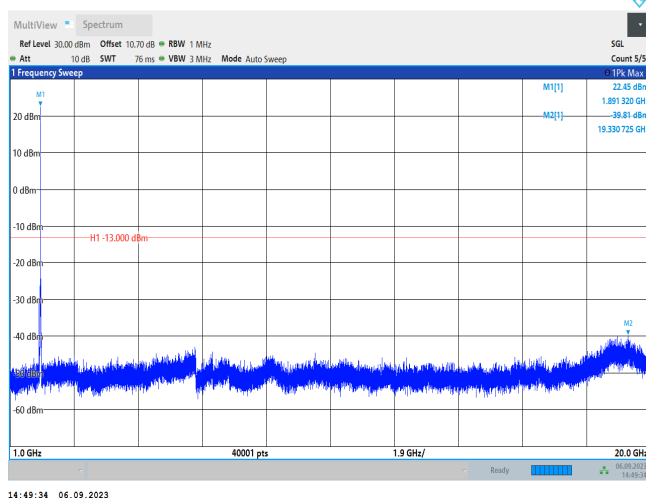
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE_2_20MHz

Test Channel = LCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2999	37.61	-21.77	28.59	-50.83	-13.00	37.83	Horizontal
2	3702	51.22	-44.52	29.31	-59.25	-13.00	46.25	Horizontal
3	5184	45.66	-42.55	31.87	-60.28	-13.00	47.28	Horizontal
4	7407.5	43.63	-38.28	36.72	-53.19	-13.00	40.19	Horizontal
5	11105	42.45	-37.67	40.20	-50.28	-13.00	37.28	Horizontal
6	16396.5	40.91	-34.84	38.79	-50.40	-13.00	37.40	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2993	37.51	-21.78	28.56	-50.97	-13.00	37.97	Vertical
2	3702	54.44	-44.52	29.31	-56.03	-13.00	43.03	Vertical
3	5553.5	47.82	-41.63	32.23	-56.84	-13.00	43.84	Vertical
4	7404.5	46.33	-38.28	36.71	-50.50	-13.00	37.50	Vertical
5	11099.5	42.31	-37.59	40.20	-50.34	-13.00	37.34	Vertical
6	16357	41.58	-35.06	38.67	-50.07	-13.00	37.07	Vertical

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Test Band = LTE_2_20MHz
Test Channel = MCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2994	37.53	-21.78	28.56	-50.95	-13.00	37.95	Horizontal
2	3742	50.73	-44.69	29.55	-59.67	-13.00	46.67	Horizontal
3	6041	44.31	-40.96	33.41	-58.50	-13.00	45.50	Horizontal
4	7385.5	43.89	-38.37	36.64	-53.10	-13.00	40.10	Horizontal
5	11114	42.94	-37.82	40.20	-49.94	-13.00	36.94	Horizontal
6	16362	41.26	-35.03	38.69	-50.34	-13.00	37.34	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2999	37.39	-21.77	28.59	-51.05	-13.00	38.05	Vertical
2	3742	52.83	-44.69	29.55	-57.57	-13.00	44.57	Vertical
3	5613.5	47.12	-41.40	32.57	-56.97	-13.00	43.97	Vertical
4	7484.5	45.19	-38.29	36.87	-51.49	-13.00	38.49	Vertical
5	11094.5	43.05	-37.56	40.19	-49.58	-13.00	36.58	Vertical
6	16360	41.39	-35.04	38.68	-50.23	-13.00	37.23	Vertical



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Test Band = LTE_2_20MHz
Test Channel = HCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3000	37.50	-21.77	28.60	-50.93	-13.00	37.93	Horizontal
2	3782	51.35	-44.85	29.73	-59.03	-13.00	46.03	Horizontal
3	5149	46.19	-42.53	31.79	-59.81	-13.00	46.81	Horizontal
4	7405.5	44.30	-38.28	36.71	-52.53	-13.00	39.53	Horizontal
5	11112.5	42.85	-37.80	40.20	-50.01	-13.00	37.01	Horizontal
6	16362.5	41.58	-35.03	38.69	-50.02	-13.00	37.02	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2983	37.65	-21.80	28.50	-50.91	-13.00	37.91	Vertical
2	3782	51.20	-44.85	29.73	-59.18	-13.00	46.18	Vertical
3	5673.5	46.53	-41.22	32.50	-57.45	-13.00	44.45	Vertical
4	7478	43.72	-38.29	36.86	-52.97	-13.00	39.97	Vertical
5	11110	43.00	-37.76	40.20	-49.82	-13.00	36.82	Vertical
6	16394.5	41.37	-34.85	38.78	-49.96	-13.00	36.96	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	-9.31	-0.004952	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-14.62	-0.007777	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-10.24	-0.005447	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	-9.47	-0.005037	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-10.16	-0.005404	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-7.95	-0.004229	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-11.73	-0.006239	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-13.00	-0.006915	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-16.02	-0.008521	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-8.60	-0.004574	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-10.36	-0.005511	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-9.56	-0.005085	PASS

---End of Attachment---

SGS-CSTC Standards Technical Services (Xi'an) Co., Ltd.
Wireless Laboratory

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