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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	22.87	24.46	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.90	24.49	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.84	24.43	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.88	23.47	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.87	24.46	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.96	24.55	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.89	24.48	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.89	23.48	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.09	24.68	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.22	24.81	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.22	24.81	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.41	24	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.23	23.82	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.00	23.59	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.07	23.66	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.00	22.59	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.29	23.88	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.19	23.78	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.27	23.86	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.05	22.64	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.41	24	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.55	24.14	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.50	24.09	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.49	23.08	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	22.10	23.69	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	22.13	23.72	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#5	21.95	23.54	33	PASS



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Band2	1.4MHz	64QAM	18607	6RB#0	20.88	22.47	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	22.07	23.66	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	22.11	23.7	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	22.10	23.69	33	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	20.92	22.51	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	22.18	23.77	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	22.36	23.95	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	22.37	23.96	33	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	21.29	22.88	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.90	24.49	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.92	24.51	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.90	24.49	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.96	23.55	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.95	24.54	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.96	24.55	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.95	24.54	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.00	23.59	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.14	24.73	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.22	24.81	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.27	24.86	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.35	23.94	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.12	23.71	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.32	23.91	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.23	23.82	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.04	22.63	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.20	23.79	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.33	23.92	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.25	23.84	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.04	22.63	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.45	24.04	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.56	24.15	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.43	24.02	33	PASS



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Band2	3MHz	64QAM	18615	1RB#0	21.10	22.69	33	PASS
Band2	3MHz	64QAM	18615	1RB#8	21.11	22.7	33	PASS
Band2	3MHz	64QAM	18615	1RB#14	21.15	22.74	33	PASS
Band2	3MHz	64QAM	18615	15RB#0	20.04	21.63	33	PASS
Band2	3MHz	64QAM	18900	1RB#0	21.20	22.79	33	PASS
Band2	3MHz	64QAM	18900	1RB#8	21.16	22.75	33	PASS
Band2	3MHz	64QAM	18900	1RB#14	21.20	22.79	33	PASS
Band2	3MHz	64QAM	18900	15RB#0	20.03	21.62	33	PASS
Band2	3MHz	64QAM	19185	1RB#0	21.41	23	33	PASS
Band2	3MHz	64QAM	19185	1RB#8	21.40	22.99	33	PASS
Band2	3MHz	64QAM	19185	1RB#14	21.53	23.12	33	PASS
Band2	3MHz	64QAM	19185	15RB#0	20.45	22.04	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.98	24.57	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.95	24.54	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.92	24.51	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.99	23.58	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.95	24.54	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.03	24.62	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.01	24.6	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.00	23.59	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.20	24.79	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.35	24.94	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.28	24.87	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.44	24.03	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.24	23.83	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.19	23.78	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.16	23.75	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.02	22.61	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.17	23.76	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.27	23.86	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.30	23.89	33	PASS



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Band2	5MHz	16QAM	18900	25RB#0	21.05	22.64	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.42	24.01	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.62	24.21	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.54	24.13	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.43	23.02	33	PASS
Band2	5MHz	64QAM	18625	1RB#0	21.25	22.84	33	PASS
Band2	5MHz	64QAM	18625	1RB#12	21.20	22.79	33	PASS
Band2	5MHz	64QAM	18625	1RB#24	21.20	22.79	33	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.02	21.61	33	PASS
Band2	5MHz	64QAM	18900	1RB#0	21.19	22.78	33	PASS
Band2	5MHz	64QAM	18900	1RB#12	21.29	22.88	33	PASS
Band2	5MHz	64QAM	18900	1RB#24	21.27	22.86	33	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.06	21.65	33	PASS
Band2	5MHz	64QAM	19175	1RB#0	21.48	23.07	33	PASS
Band2	5MHz	64QAM	19175	1RB#12	21.57	23.16	33	PASS
Band2	5MHz	64QAM	19175	1RB#24	21.46	23.05	33	PASS
Band2	5MHz	64QAM	19175	25RB#0	20.48	22.07	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.92	24.51	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.92	24.51	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.92	24.51	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.99	23.58	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.94	24.53	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.99	24.58	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.01	24.6	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.03	23.62	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.28	24.87	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.19	24.78	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.20	24.79	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.45	24.04	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.22	23.81	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.20	23.79	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.30	23.89	33	PASS



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Band2	10MHz	16QAM	18900	1RB#0	22.29	23.88	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.23	23.82	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.41	24	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.08	22.67	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.55	24.14	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.50	24.09	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.49	24.08	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.50	23.09	33	PASS
Band2	10MHz	64QAM	18650	1RB#0	21.10	22.69	33	PASS
Band2	10MHz	64QAM	18650	1RB#24	21.17	22.76	33	PASS
Band2	10MHz	64QAM	18650	1RB#49	21.15	22.74	33	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.03	21.62	33	PASS
Band2	10MHz	64QAM	18900	1RB#0	21.19	22.78	33	PASS
Band2	10MHz	64QAM	18900	1RB#24	21.31	22.9	33	PASS
Band2	10MHz	64QAM	18900	1RB#49	21.29	22.88	33	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.04	21.63	33	PASS
Band2	10MHz	64QAM	19150	1RB#0	21.61	23.2	33	PASS
Band2	10MHz	64QAM	19150	1RB#24	21.45	23.04	33	PASS
Band2	10MHz	64QAM	19150	1RB#49	21.44	23.03	33	PASS
Band2	10MHz	64QAM	19150	50RB#0	20.47	22.06	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.94	24.53	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.94	24.53	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.90	24.49	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.01	23.6	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.92	24.51	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.97	24.56	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.99	24.58	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.02	23.61	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.20	24.79	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.24	24.83	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.21	24.8	33	PASS



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Band2	15MHz	16QAM	18675	1RB#0	22.22	23.81	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.25	23.84	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.18	23.77	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.98	22.57	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.15	23.74	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.35	23.94	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.28	23.87	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.09	22.68	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.46	24.05	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.49	24.08	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.50	24.09	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.44	23.03	33	PASS
Band2	15MHz	64QAM	18675	1RB#0	21.24	22.83	33	PASS
Band2	15MHz	64QAM	18675	1RB#38	21.17	22.76	33	PASS
Band2	15MHz	64QAM	18675	1RB#74	21.09	22.68	33	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.02	21.61	33	PASS
Band2	15MHz	64QAM	18900	1RB#0	21.16	22.75	33	PASS
Band2	15MHz	64QAM	18900	1RB#38	21.29	22.88	33	PASS
Band2	15MHz	64QAM	18900	1RB#74	21.21	22.8	33	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.08	21.67	33	PASS
Band2	15MHz	64QAM	19125	1RB#0	21.47	23.06	33	PASS
Band2	15MHz	64QAM	19125	1RB#38	21.41	23	33	PASS
Band2	15MHz	64QAM	19125	1RB#74	21.37	22.96	33	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.42	22.01	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.84	24.43	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.91	24.5	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.78	24.37	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.89	23.48	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.82	24.41	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.03	24.62	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.86	24.45	33	PASS



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Band2	20MHz	QPSK	18900	100RB#0	22.01	23.6	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.17	24.76	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.28	24.87	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.19	24.78	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.34	23.93	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.12	23.71	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.11	23.7	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.09	23.68	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.91	22.5	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.09	23.68	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.41	24	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.10	23.69	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.02	22.61	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.39	23.98	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.58	24.17	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.39	23.98	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.39	22.98	33	PASS
Band2	20MHz	64QAM	18700	1RB#0	21.06	22.65	33	PASS
Band2	20MHz	64QAM	18700	1RB#49	21.18	22.77	33	PASS
Band2	20MHz	64QAM	18700	1RB#99	21.01	22.6	33	PASS
Band2	20MHz	64QAM	18700	100RB#0	19.92	21.51	33	PASS
Band2	20MHz	64QAM	18900	1RB#0	21.06	22.65	33	PASS
Band2	20MHz	64QAM	18900	1RB#49	21.35	22.94	33	PASS
Band2	20MHz	64QAM	18900	1RB#99	21.18	22.77	33	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.07	21.66	33	PASS
Band2	20MHz	64QAM	19100	1RB#0	21.39	22.98	33	PASS
Band2	20MHz	64QAM	19100	1RB#49	21.53	23.12	33	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.40	22.99	33	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.42	22.01	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	5.36	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.60	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.32	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.14	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.42	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.20	13	PASS
Band2	20MHz	64QAM	18700	100RB#0	6.56	13	PASS
Band2	20MHz	64QAM	18900	100RB#0	6.82	13	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.56	13	PASS



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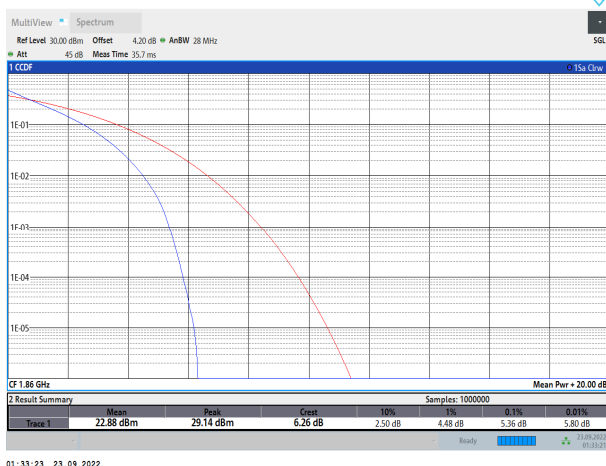
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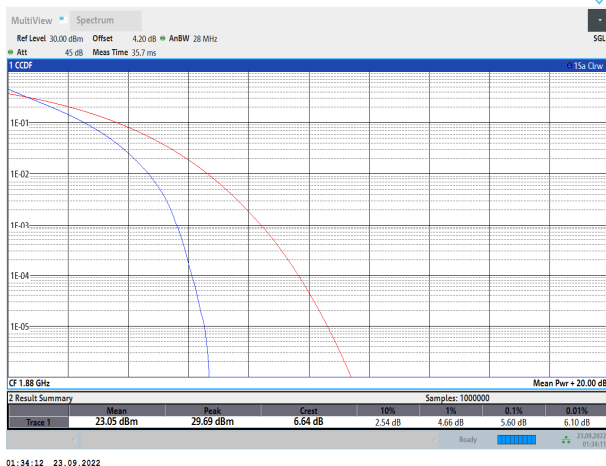
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Test Graphs

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



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



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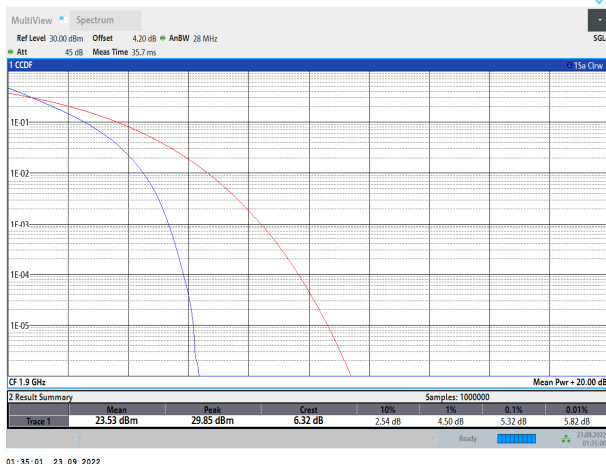
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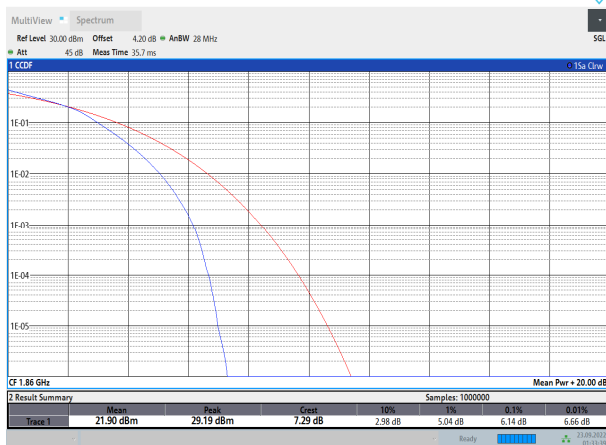
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Band2-20MHz-QPSK-19100-100RB#0



01:35:01 23.09.2022

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



01:33:39 23.09.2022



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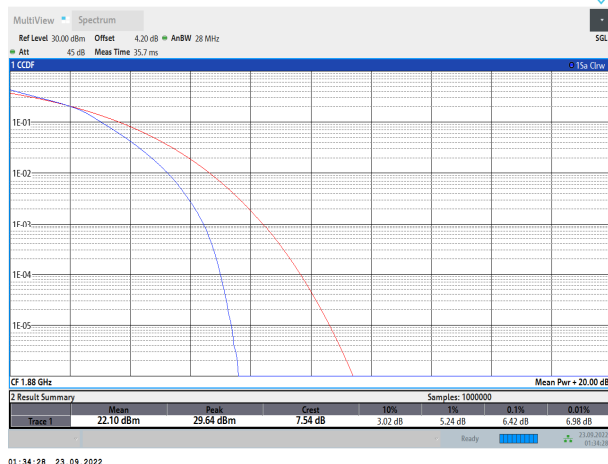
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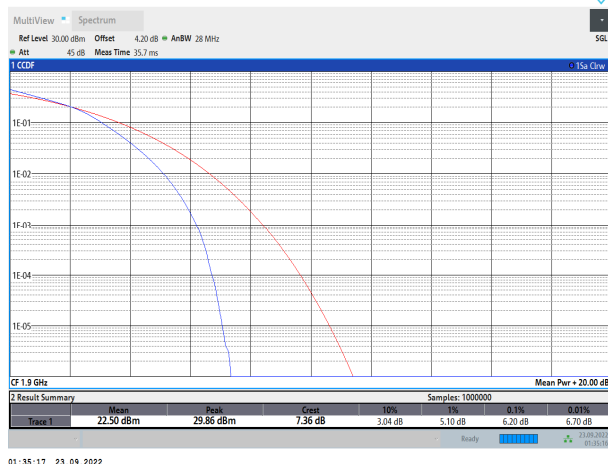
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Band2-20MHz-16QAM-18900-100RB#0



01:34:28 23.09.2022

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



01:35:17 23.09.2022



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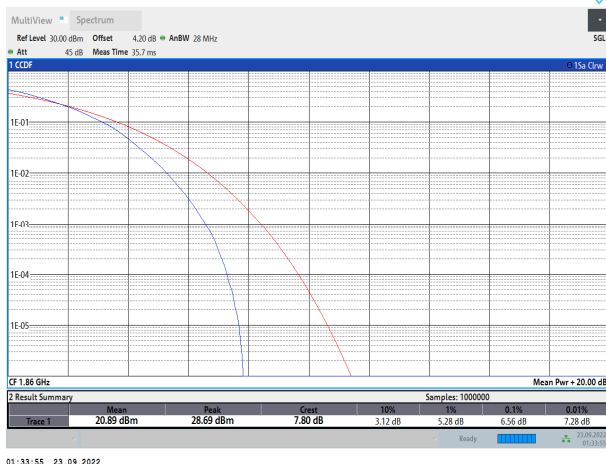
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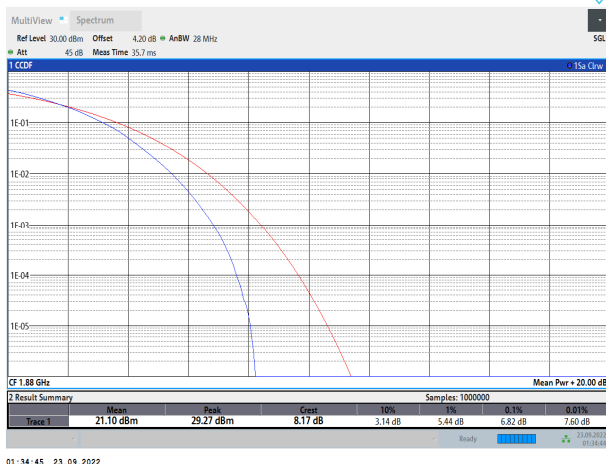
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Band2-20MHz-64QAM-18700-100RB#0



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



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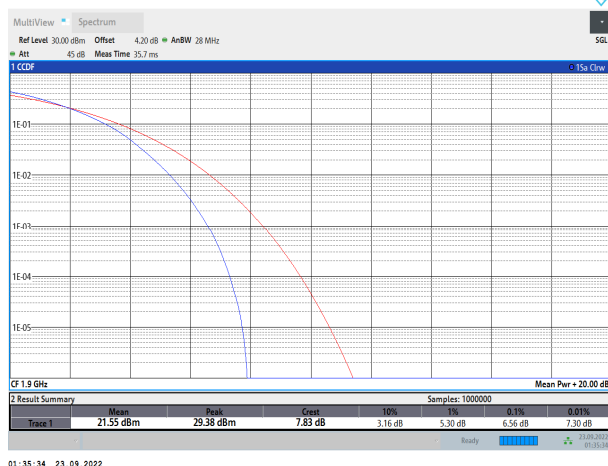
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Band2-20MHz-64QAM-19100-100RB#0



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



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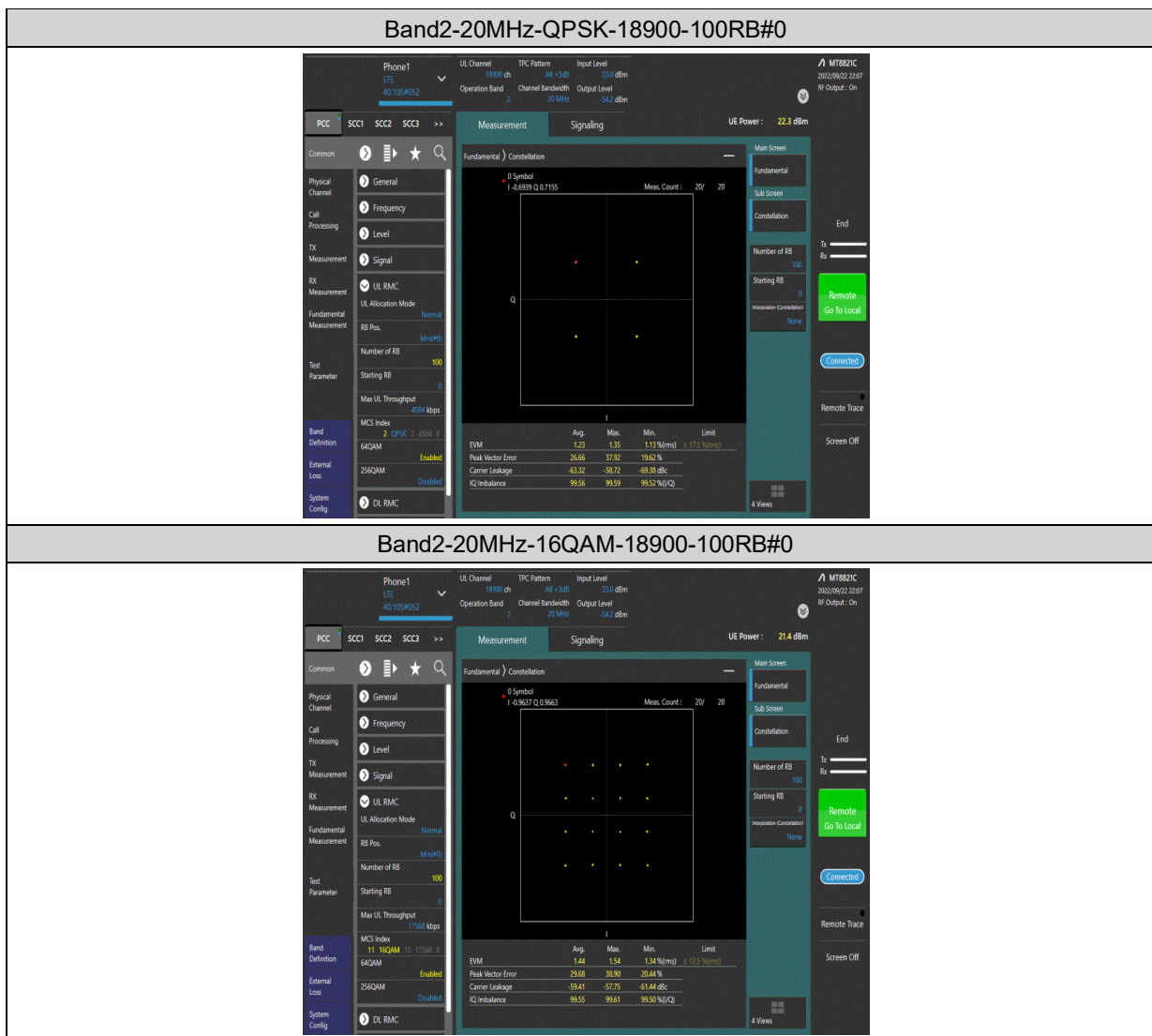
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Test Graphs

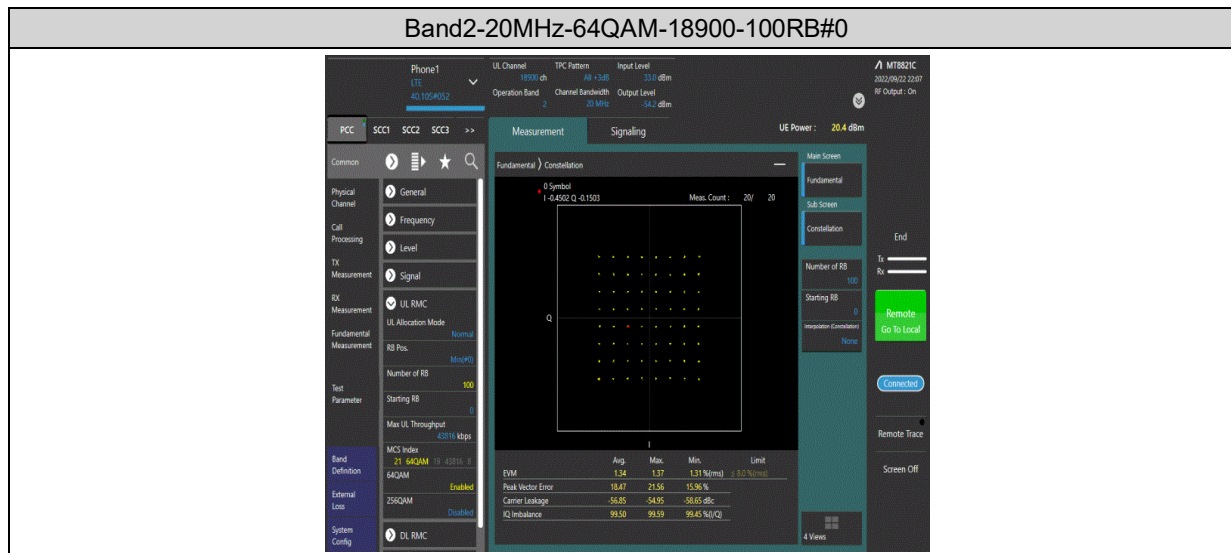


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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.085	1.23	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.086	1.23	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.085	1.24	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	1.24	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.092	1.24	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.092	1.24	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.097	1.24	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.092	1.24	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.091	1.24	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.694	2.97	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.699	2.98	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.693	2.99	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.689	2.99	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.688	2.98	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.69	2.98	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.692	2.97	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.688	2.97	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.688	2.97	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.475	4.90	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.475	4.88	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.471	4.89	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.465	4.93	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.464	4.65	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.462	4.66	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.482	4.92	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.478	4.92	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.478	4.91	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.929	9.60	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.938	9.66	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.949	9.66	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.926	9.62	PASS



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Band2	10MHz	16QAM	18900	50RB#0	8.921	9.60	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.918	9.62	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.926	9.66	PASS
Band2	10MHz	64QAM	18900	50RB#0	8.931	9.68	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.938	9.64	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.471	14.76	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.473	14.70	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.473	14.70	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.446	14.73	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.449	14.82	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.452	14.79	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.432	14.76	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.431	14.73	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.432	14.76	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.881	19.52	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.912	19.36	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.887	19.44	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.878	19.36	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.876	19.36	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.855	19.36	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.863	19.44	PASS
Band2	20MHz	64QAM	18900	100RB#0	17.885	19.40	PASS
Band2	20MHz	64QAM	19100	100RB#0	17.872	19.36	PASS



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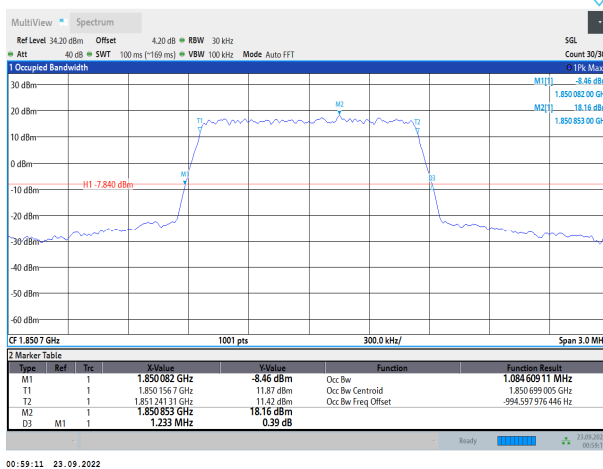
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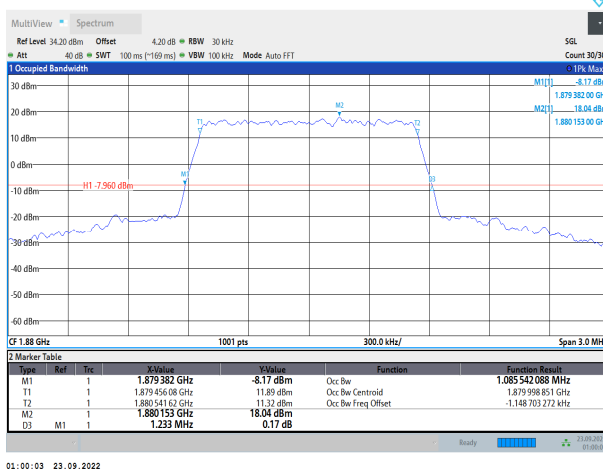
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Test Graphs

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



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



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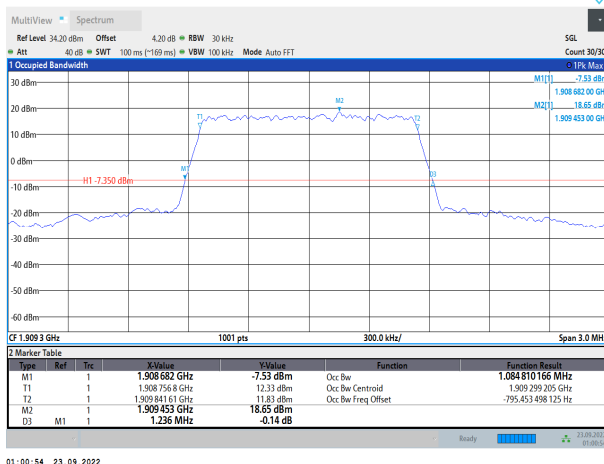
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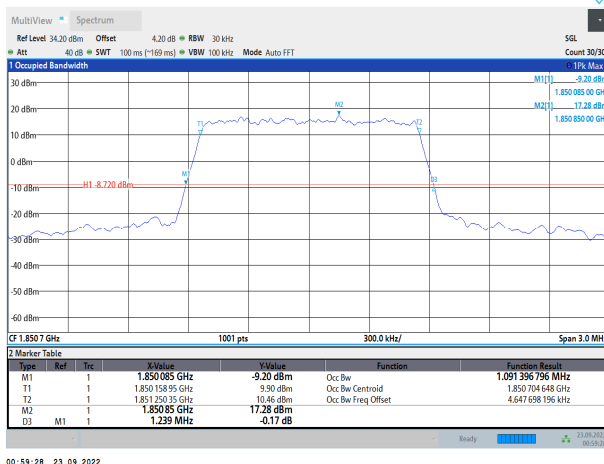
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Band2-1.4MHz-QPSK-19193-6RB#0



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



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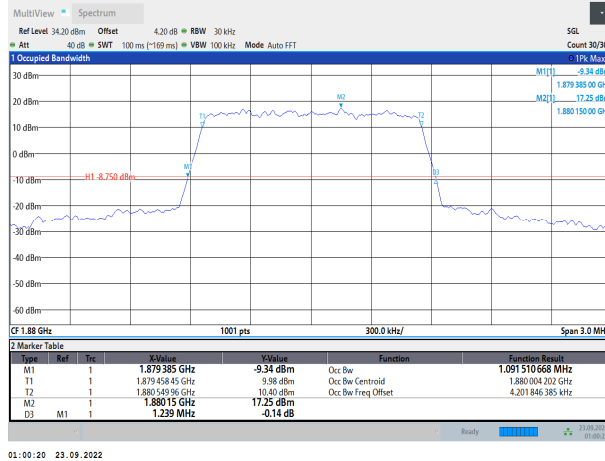
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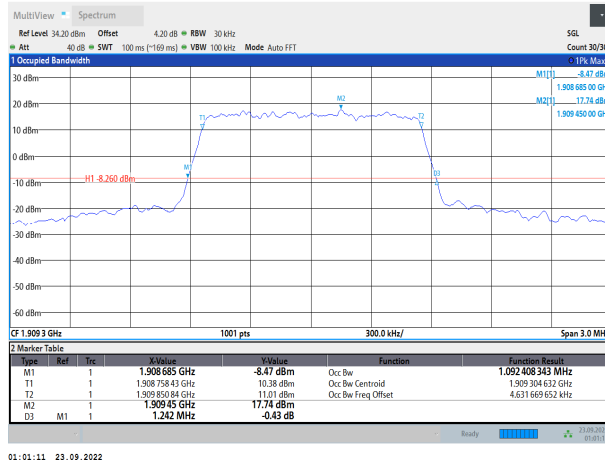
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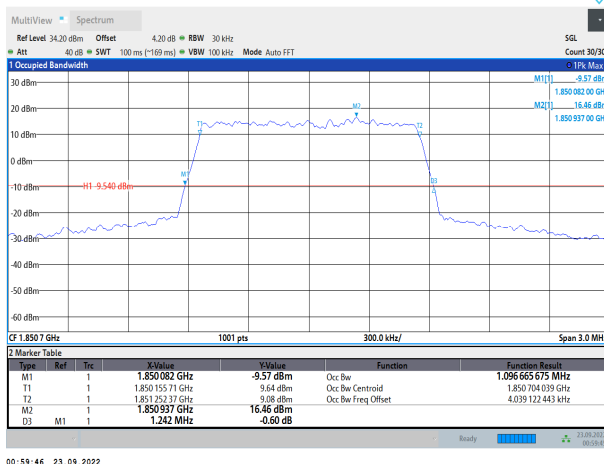
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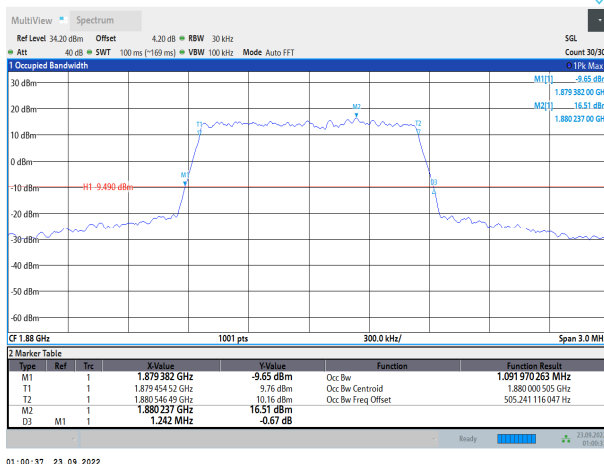
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Band2-1.4MHz-64QAM-18607-6RB#0



Band2-1.4MHz-64QAM-18900-6RB#0



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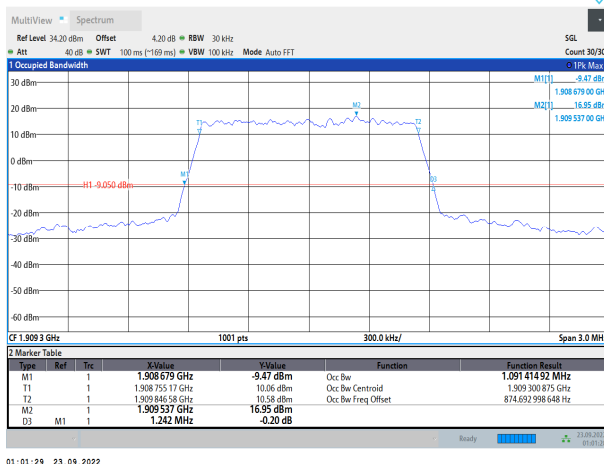
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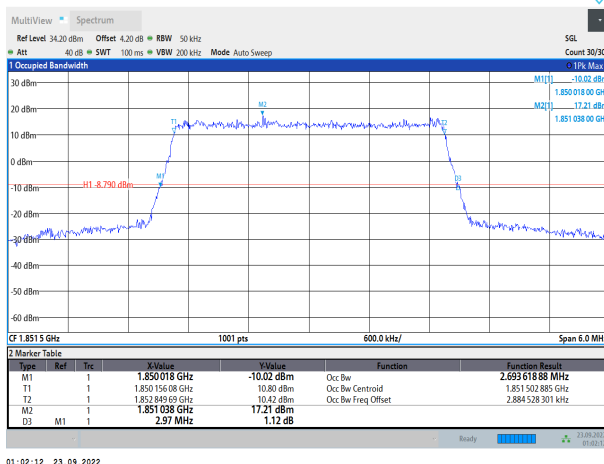
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01:01:29 23.09.2022

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



01:02:12 23.09.2022



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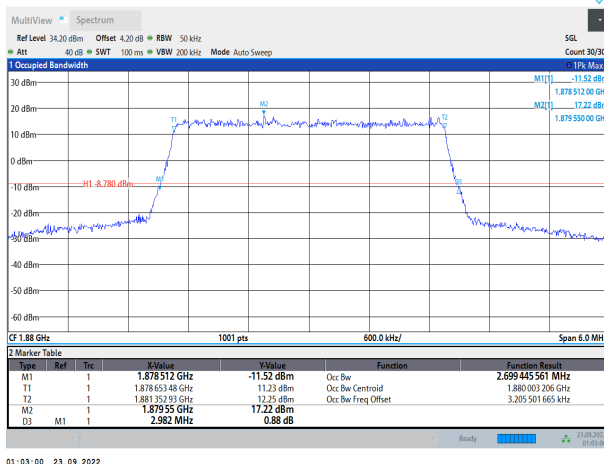
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01:03:00 23.09.2022

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



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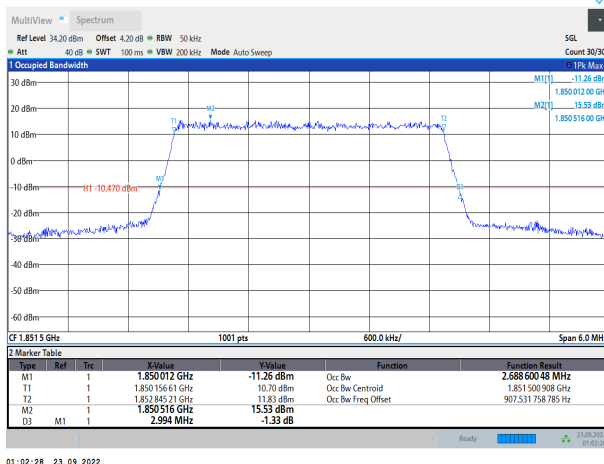
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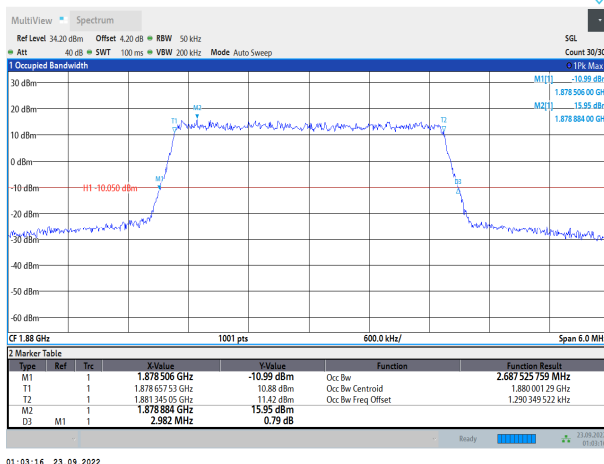
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Band2-3MHz-16QAM-18615-15RB#0



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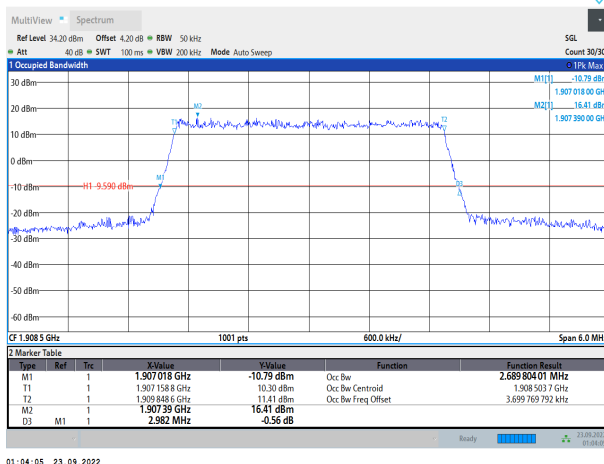


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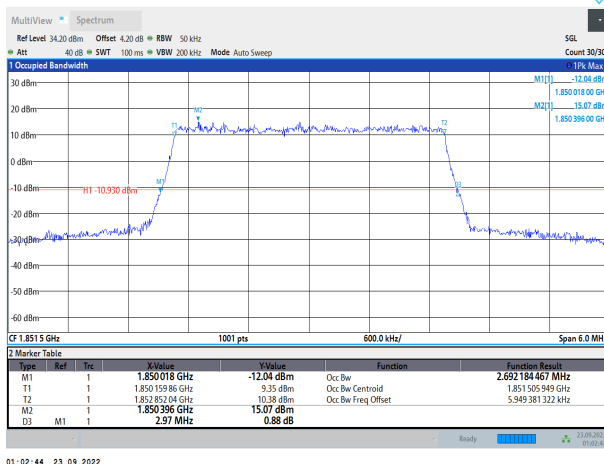
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Band2-3MHz-64QAM-18615-15RB#0



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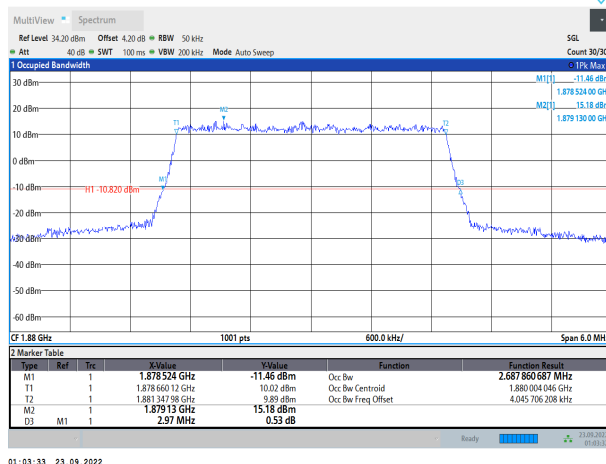
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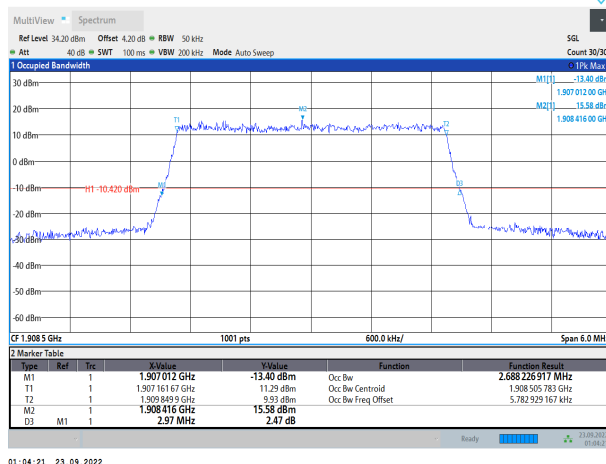
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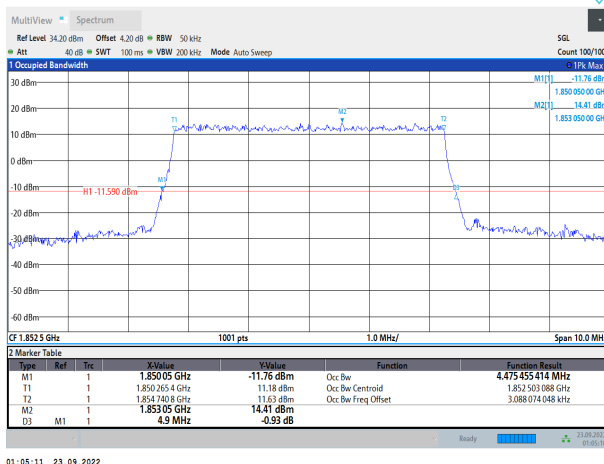
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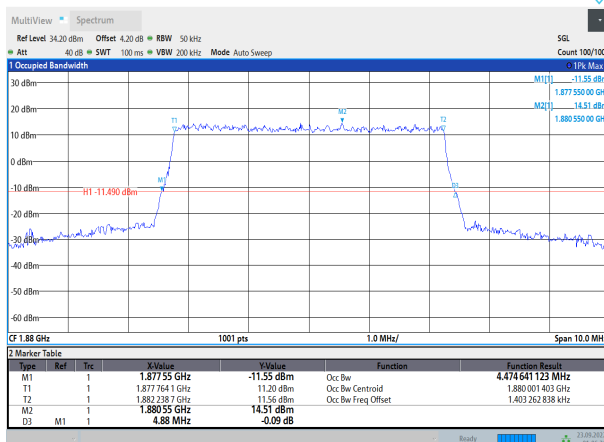
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Band2-5MHz-QPSK-18625-25RB#0



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



01:06:21 23.09.2022



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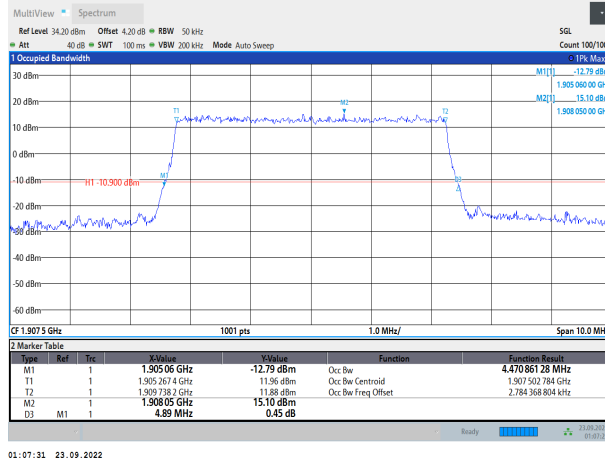
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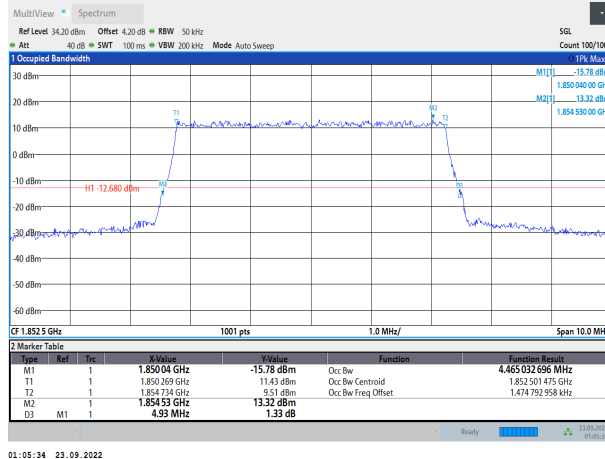
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Band2-5MHz-QPSK-19175-25RB#0



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

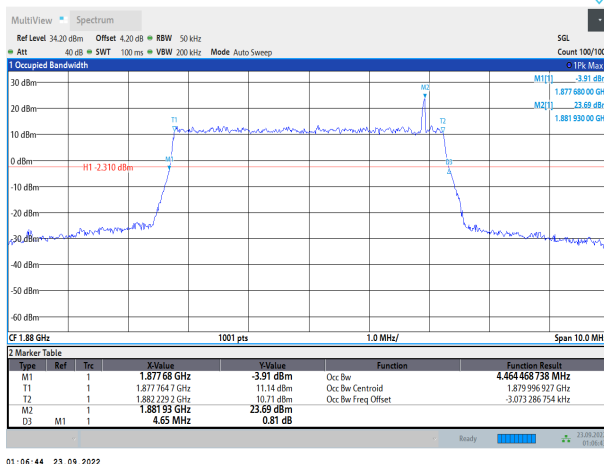


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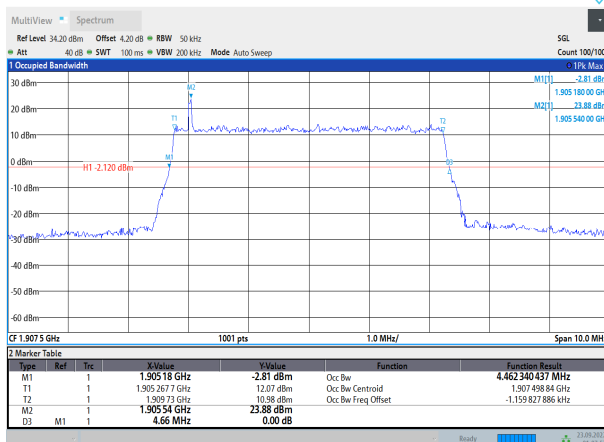
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Band2-5MHz-16QAM-19175-25RB#0



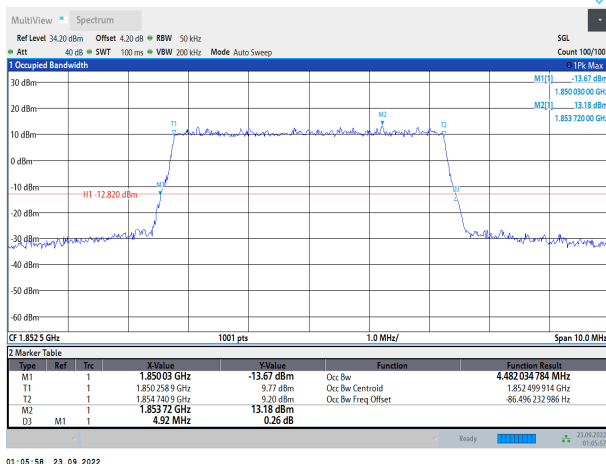
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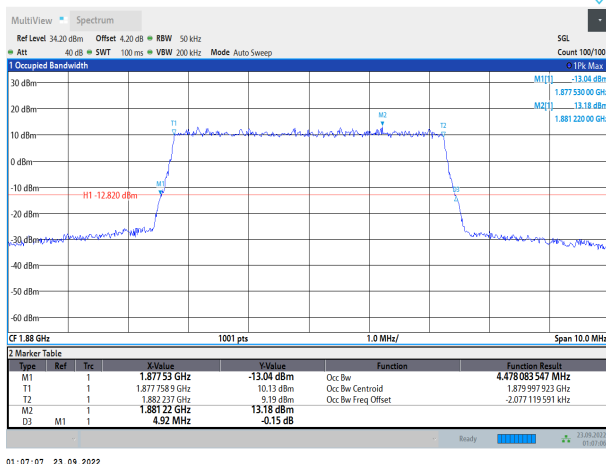
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Band2-5MHz-64QAM-18900-25RB#0



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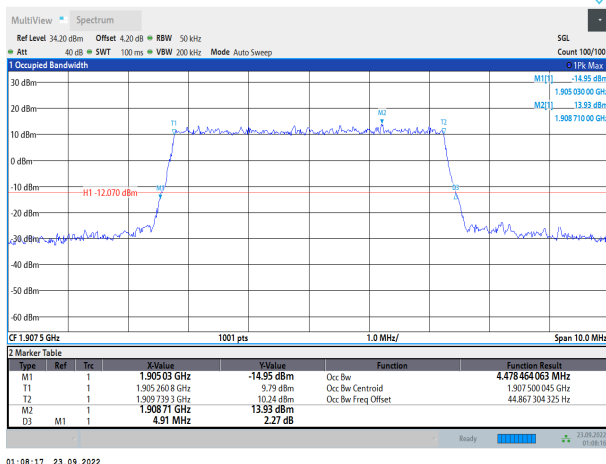
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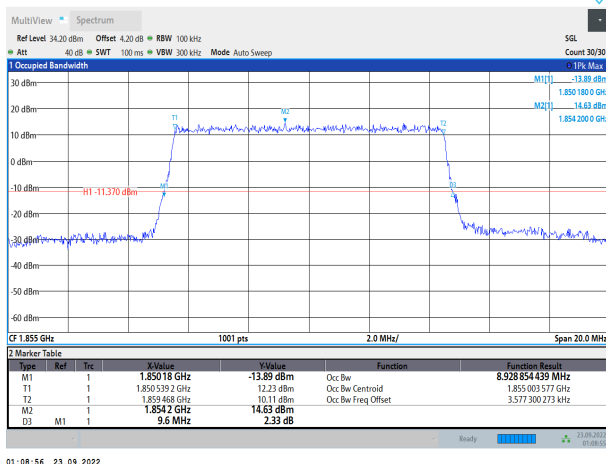
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Band2-10MHz-QPSK-18650-50RB#0



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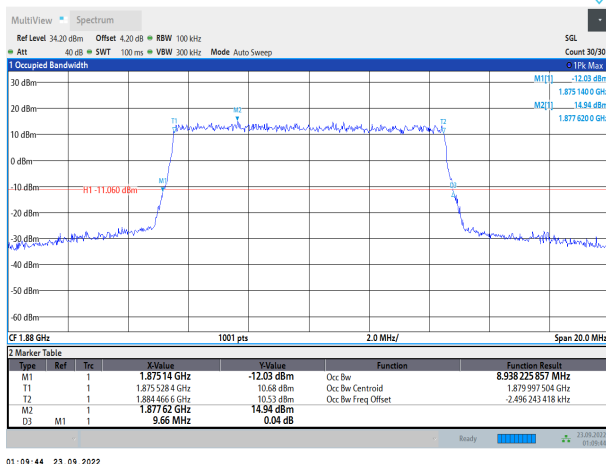
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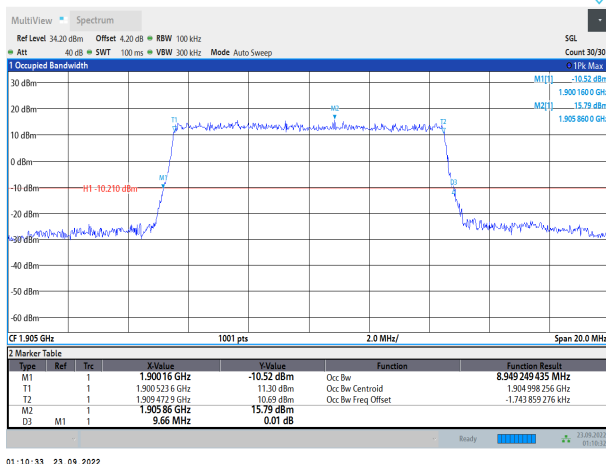
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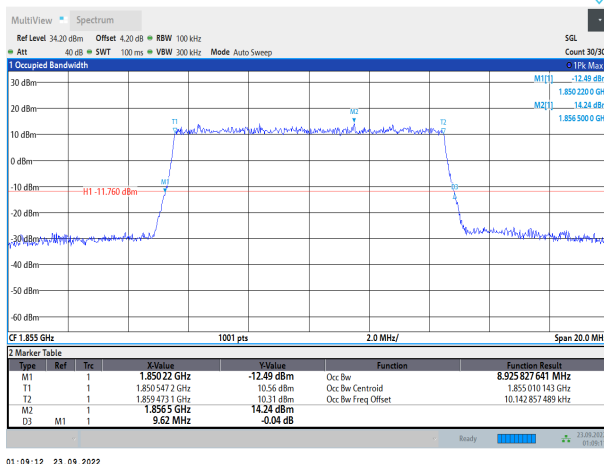
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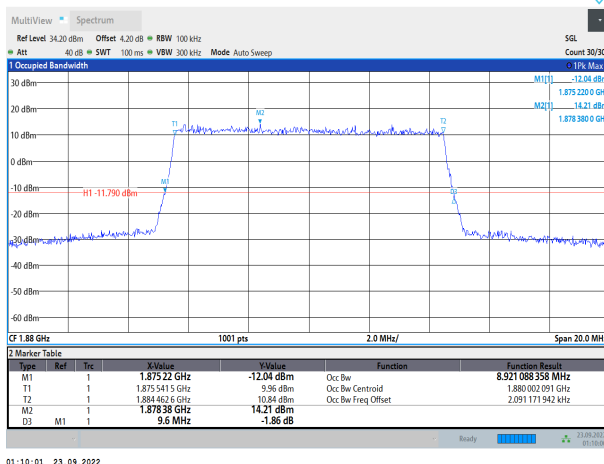
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Band2-10MHz-16QAM-18650-50RB#0



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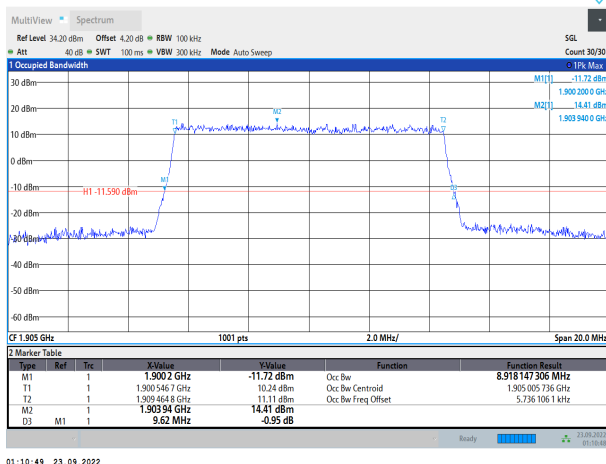
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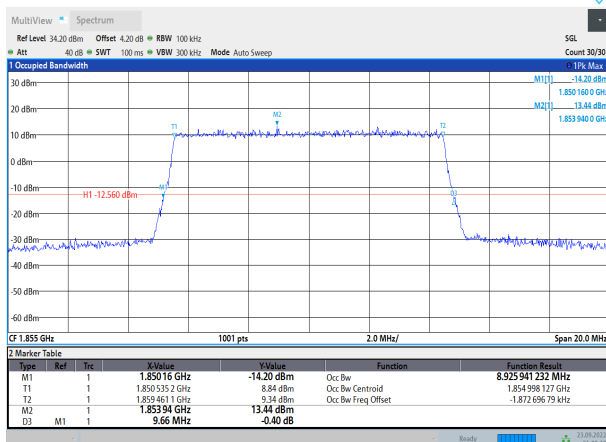
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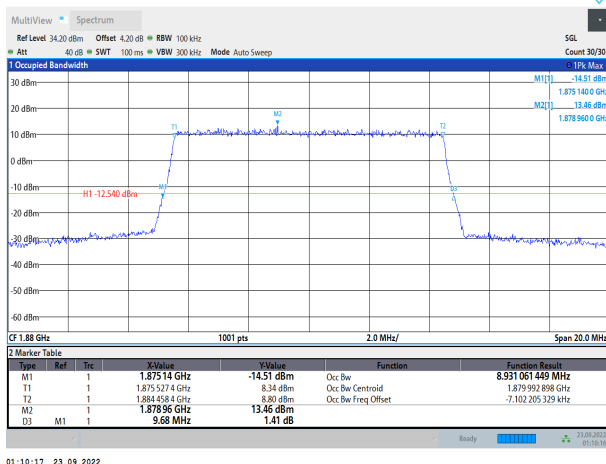
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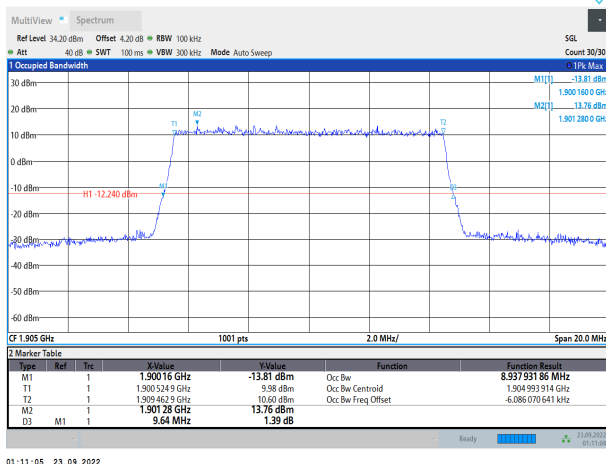
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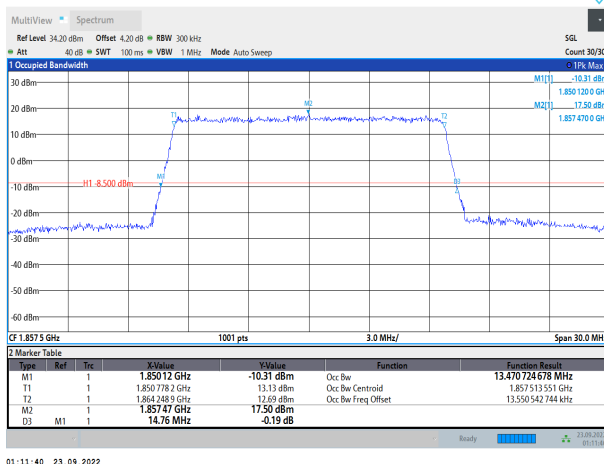
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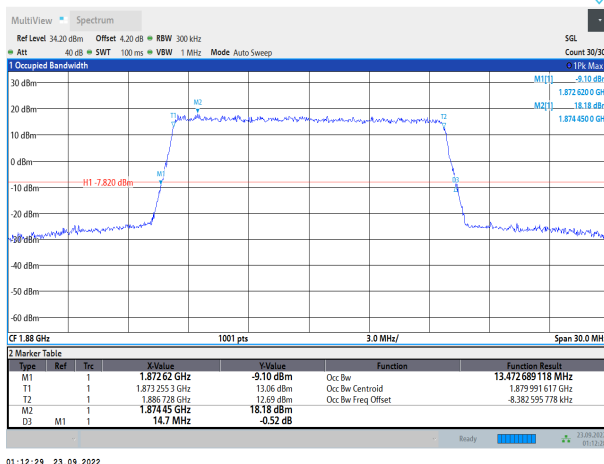
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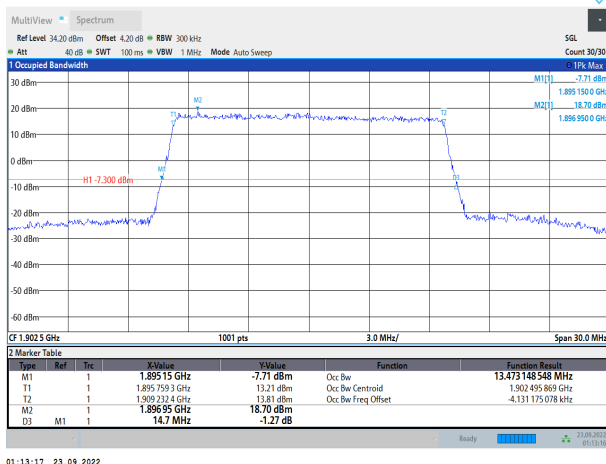
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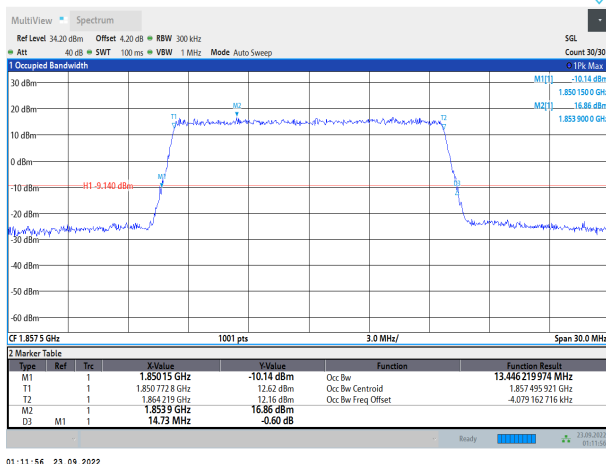
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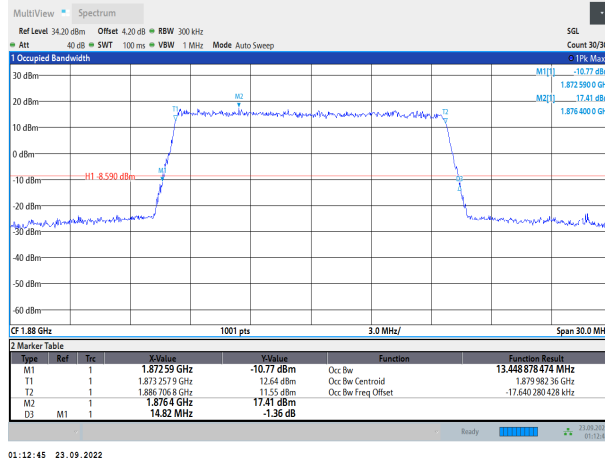
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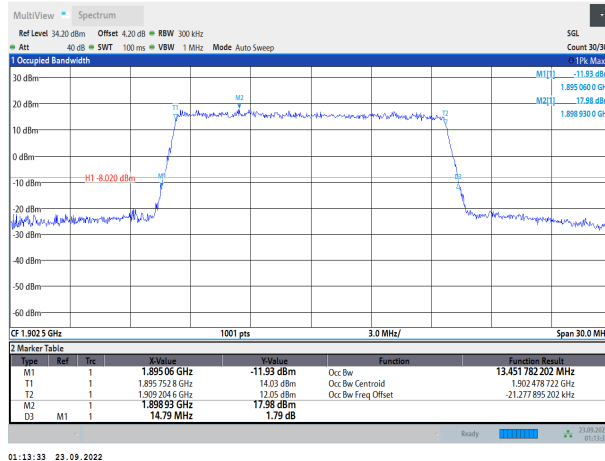
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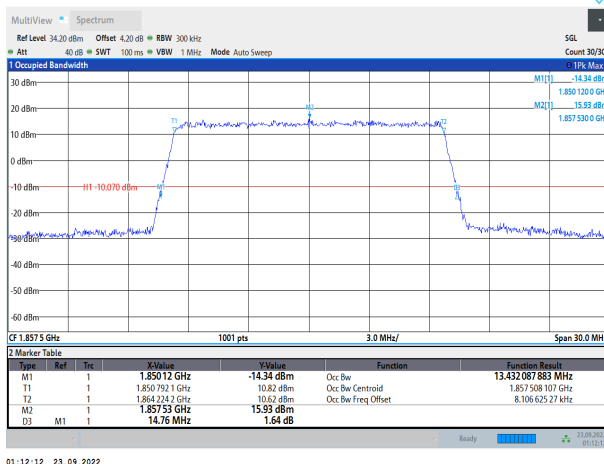
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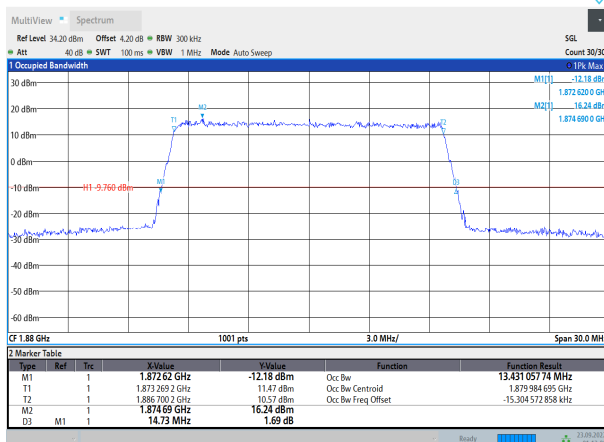
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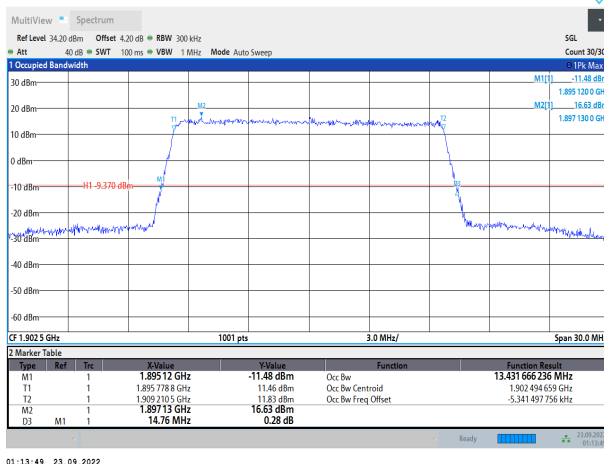
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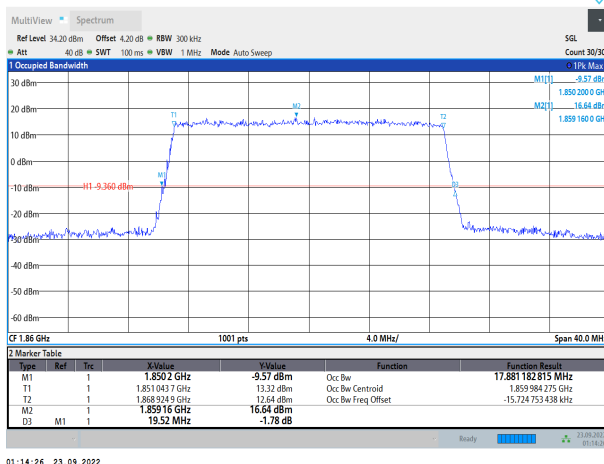
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Band2-20MHz-QPSK-18700-100RB#0



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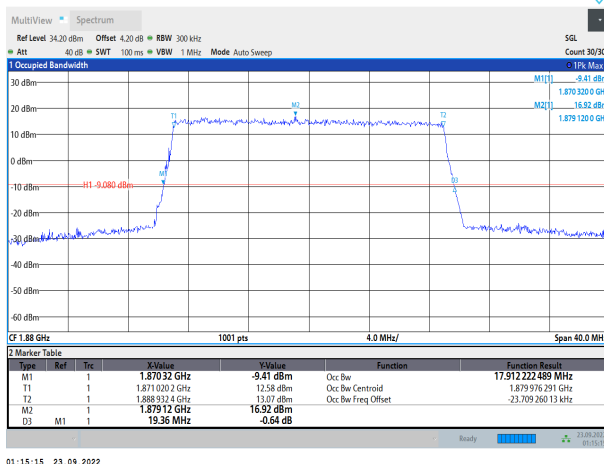
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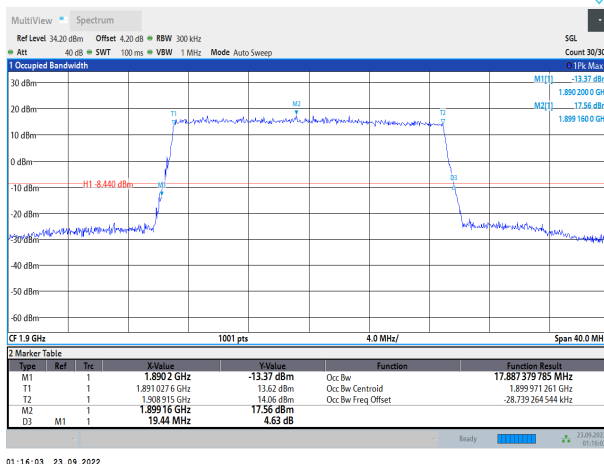
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Band2-20MHz-QPSK-18900-100RB#0



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



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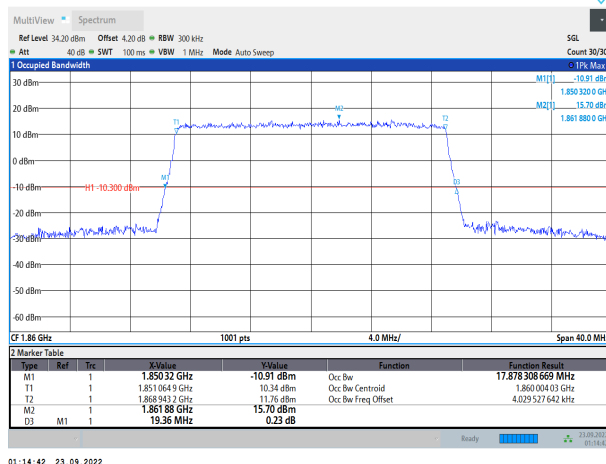
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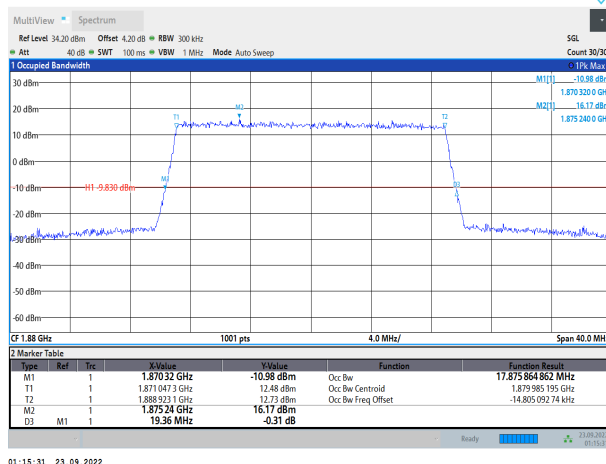
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Band2-20MHz-16QAM-18700-100RB#0



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



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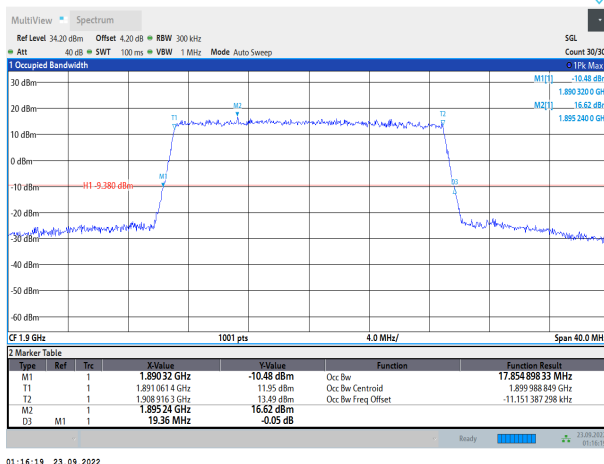
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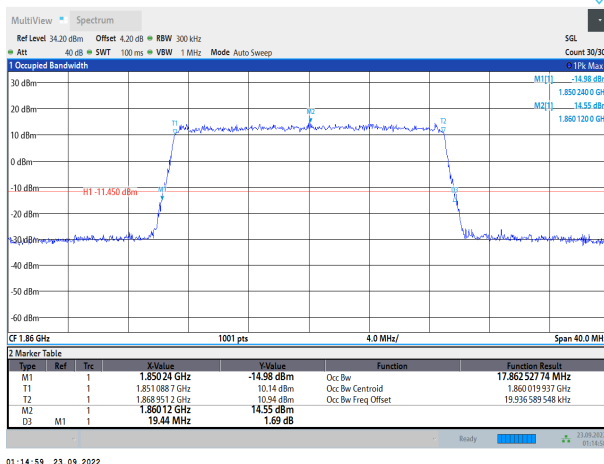
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Band2-20MHz-16QAM-19100-100RB#0



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



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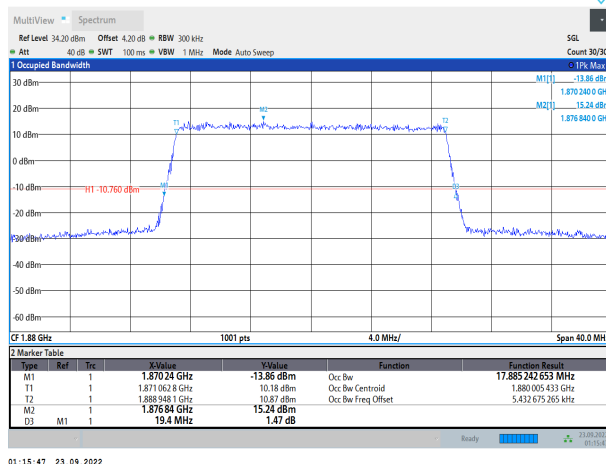
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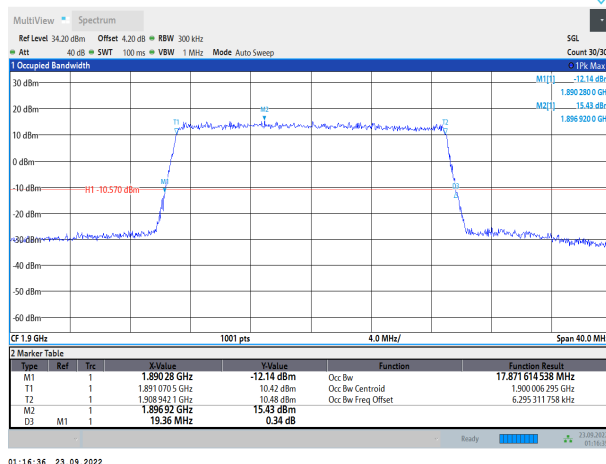
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Band2-20MHz-64QAM-19100-100RB#0



Band Edge

Test Graphs

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



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

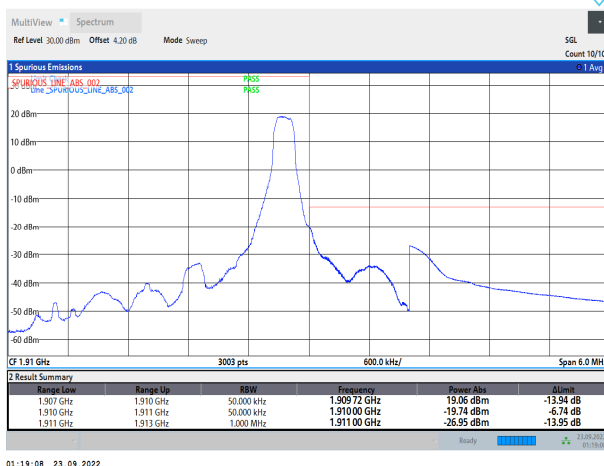


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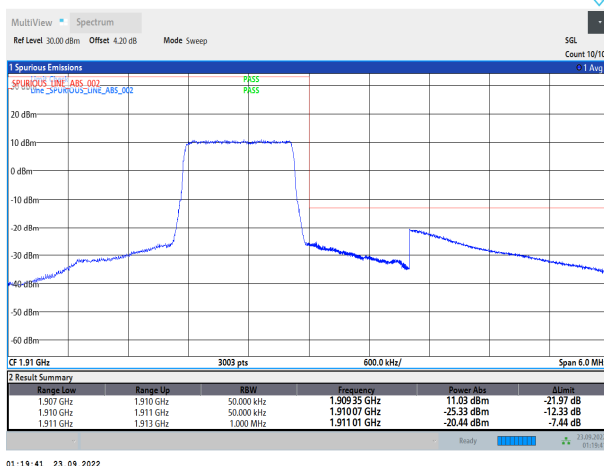
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Band2-1.4MHz-QPSK-19193-6RB#0



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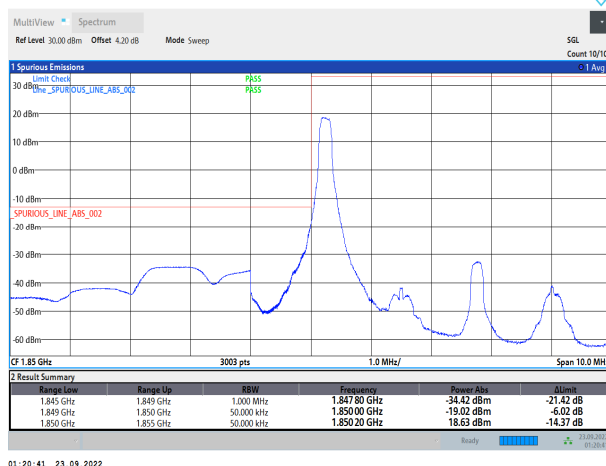
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Band2-3MHz-QPSK-18615-15RB#0



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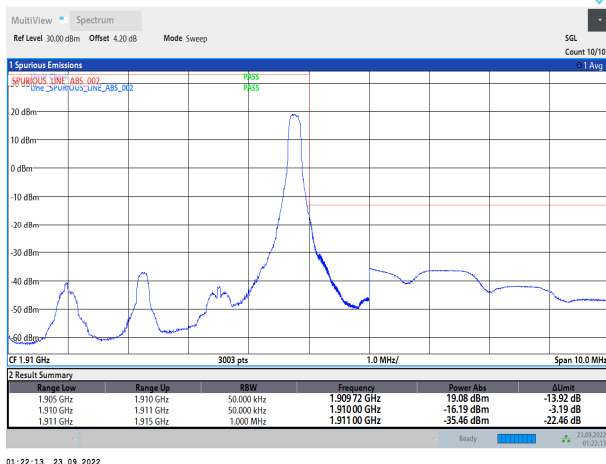
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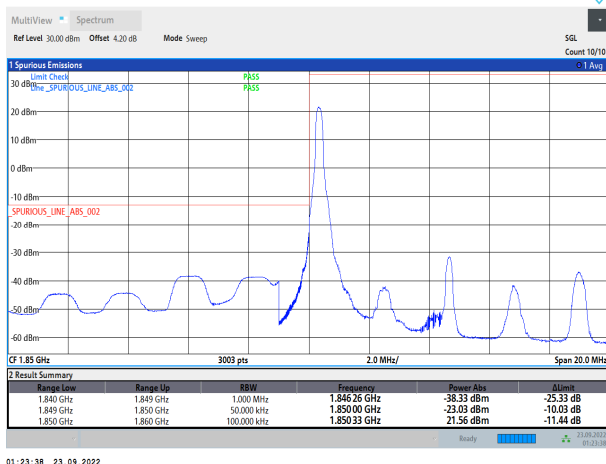
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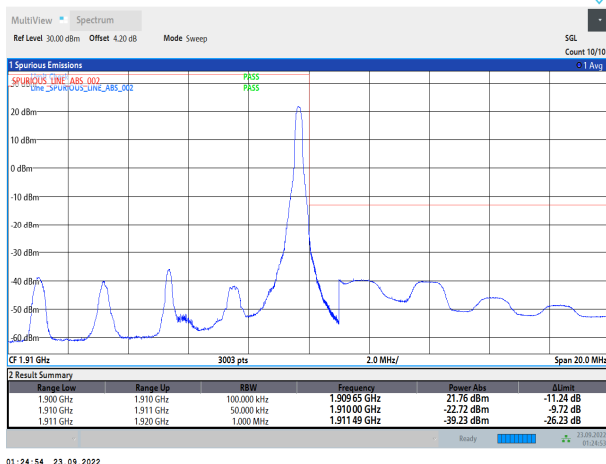
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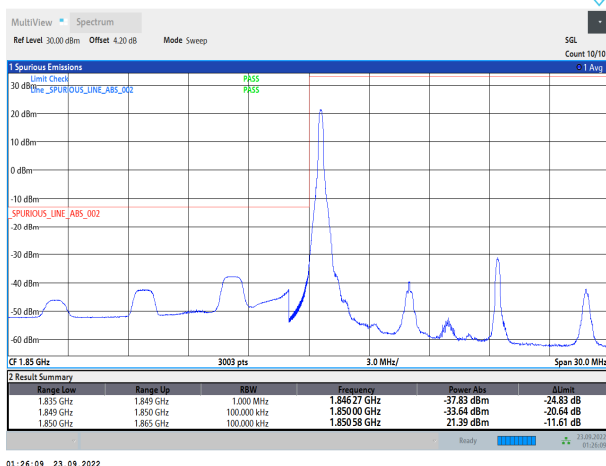
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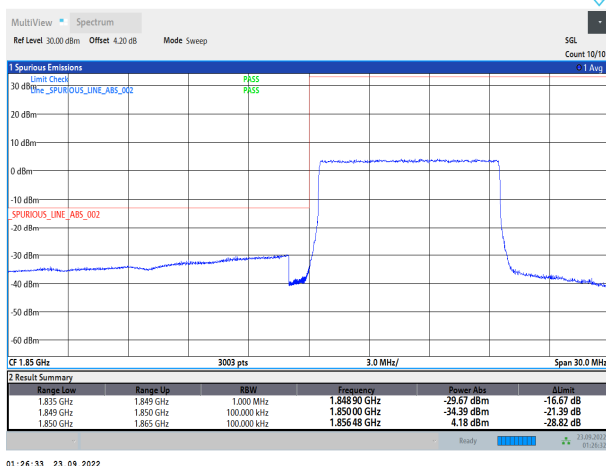
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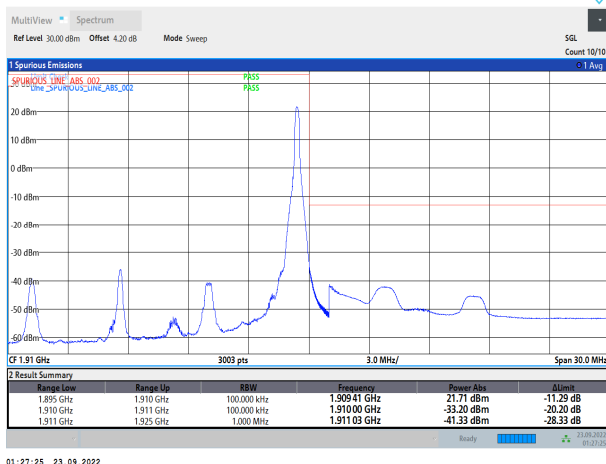
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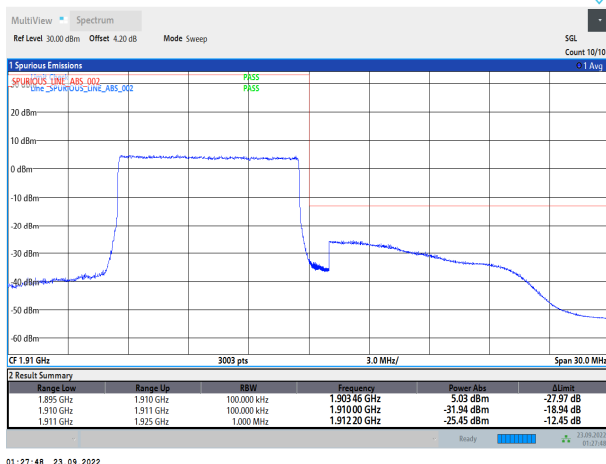
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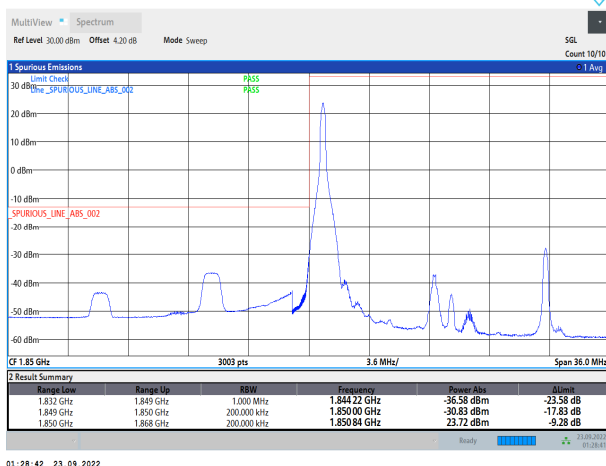
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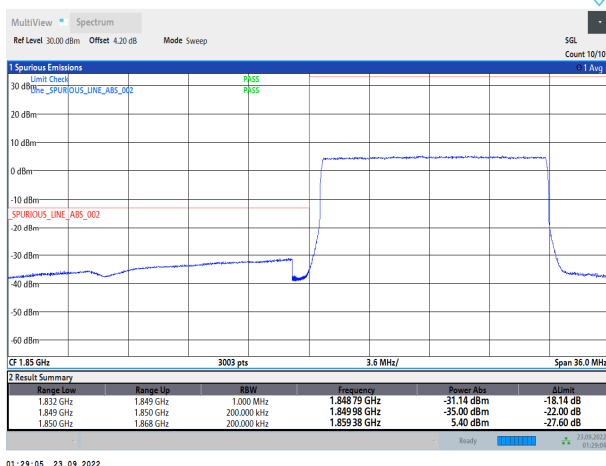
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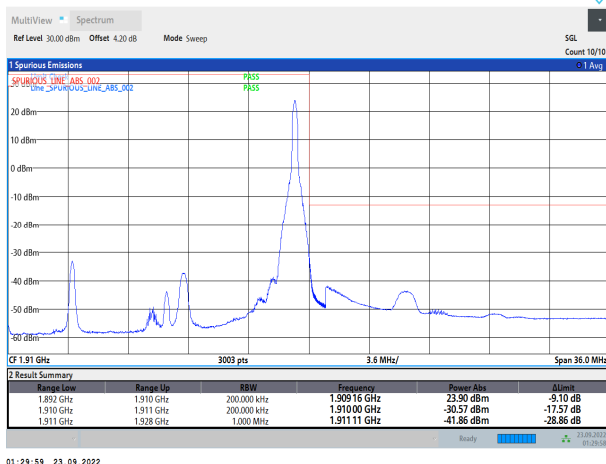
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Band2-15MHz-QPSK-19125-1RB#74



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



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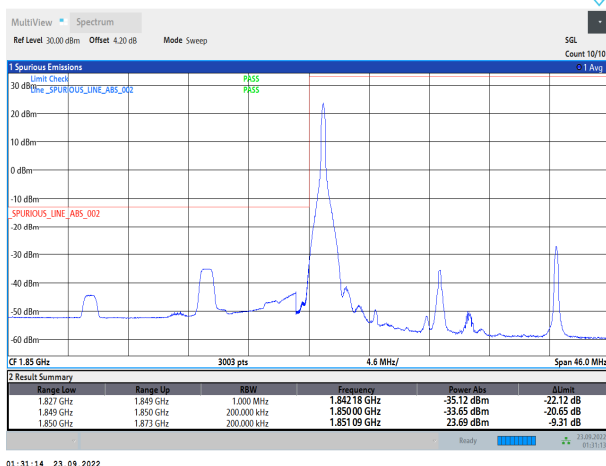
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Band2-20MHz-QPSK-18700-1RB#0



01:31:14 23.09.2022

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



01:31:38 23.09.2022



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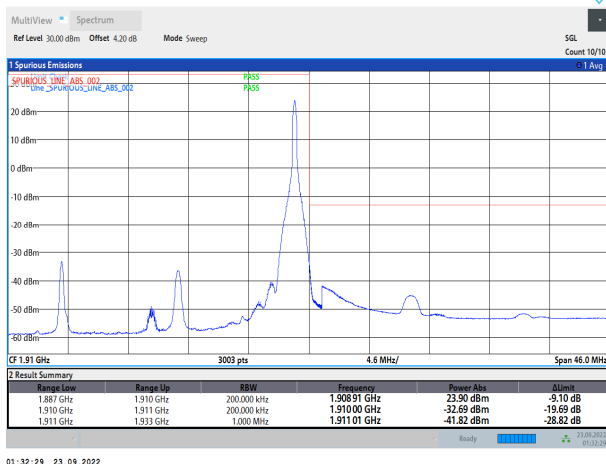
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Band2-20MHz-QPSK-19100-1RB#99



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



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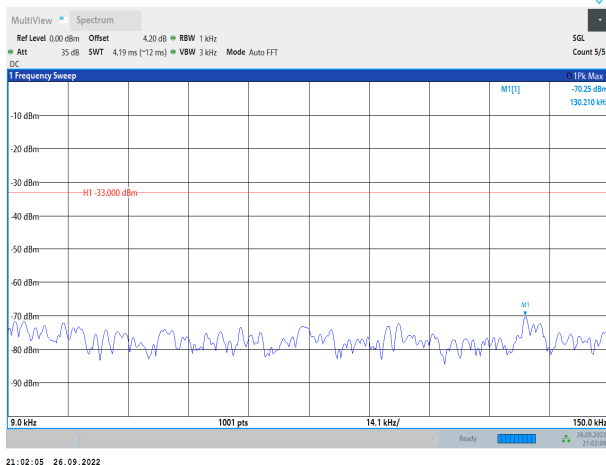
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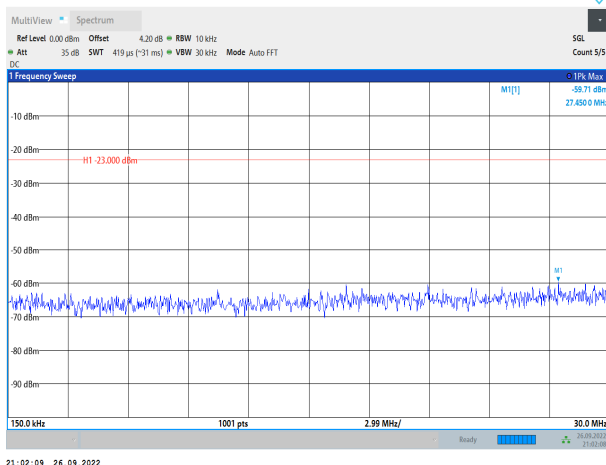
Conducted Spurious Emission

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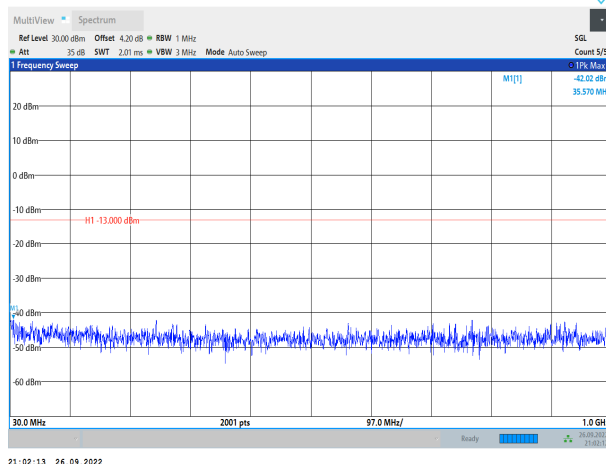
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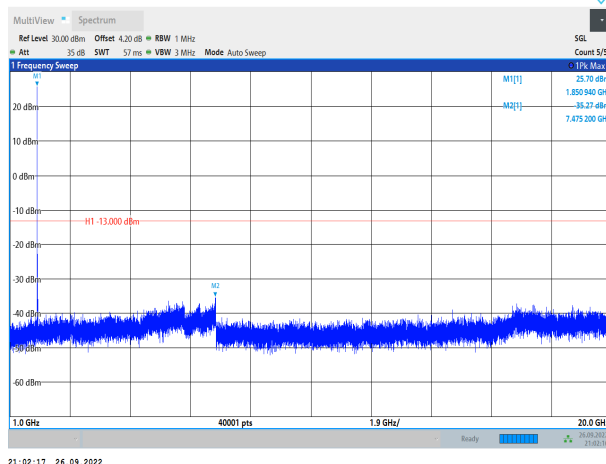
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



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



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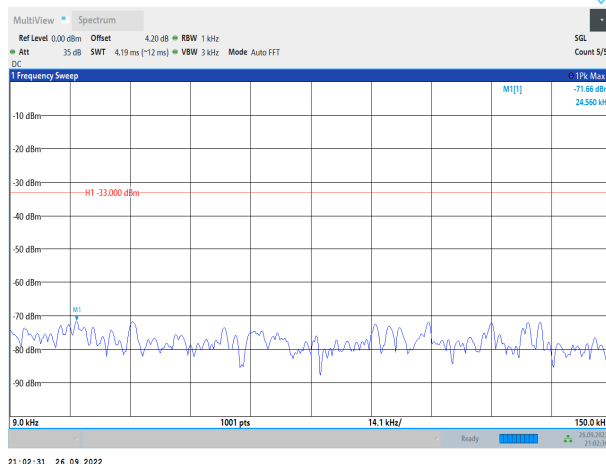
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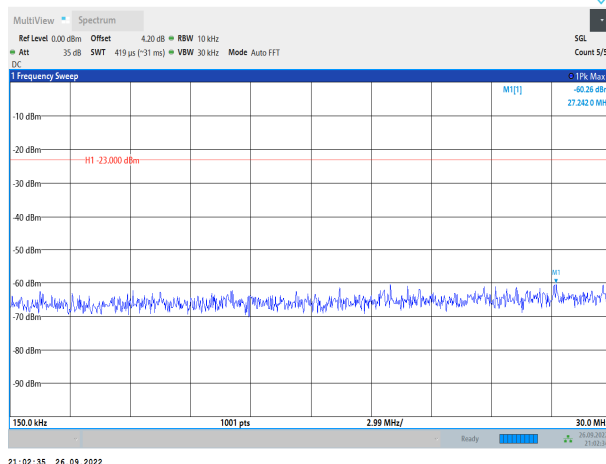
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



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



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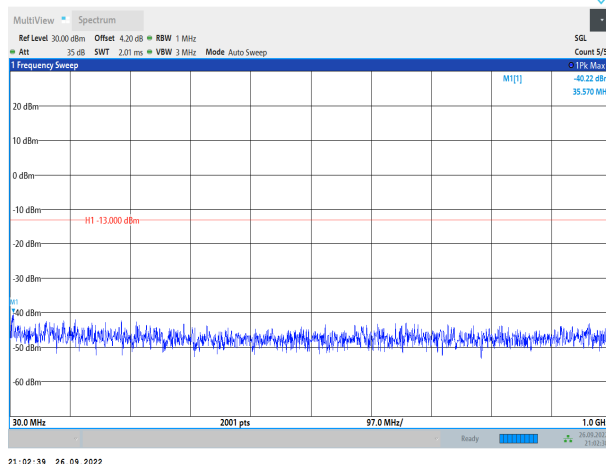
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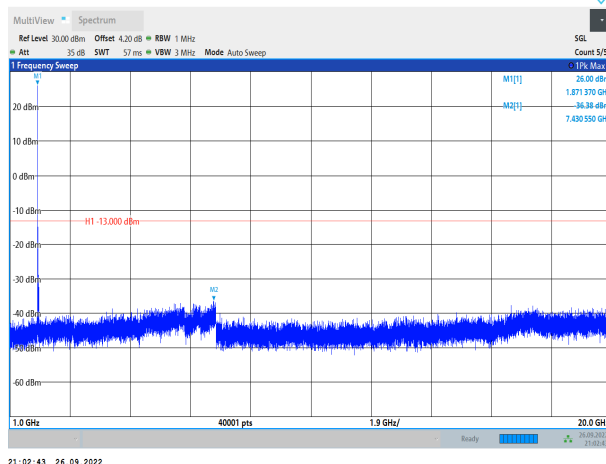
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



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



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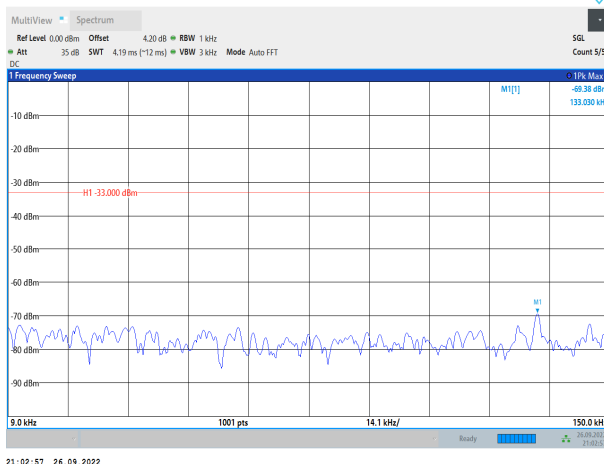
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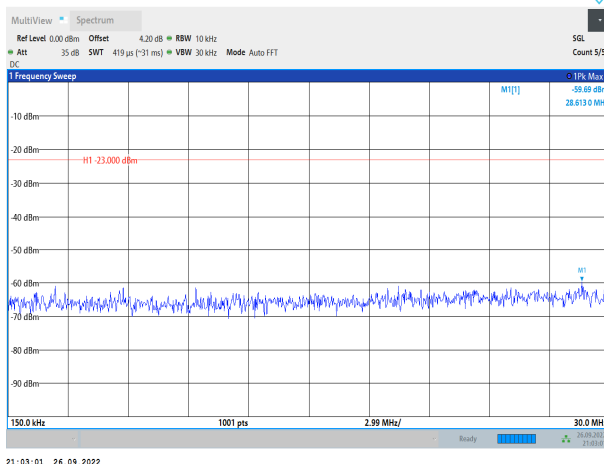
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



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

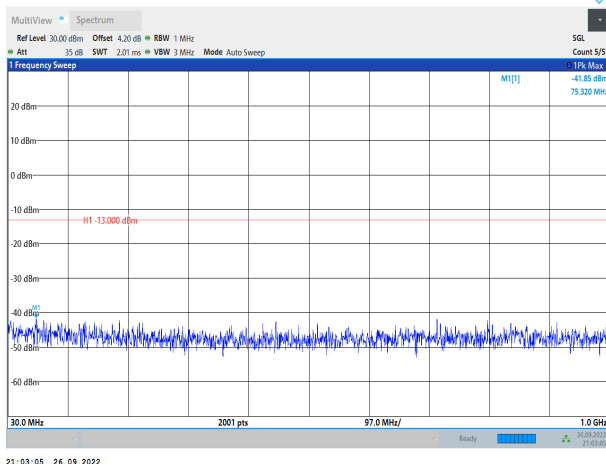


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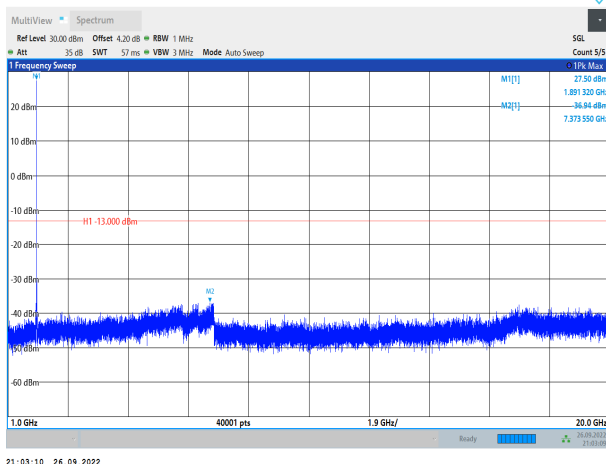
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band 2_ 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	60.12	-45.51	29.98	-50.67	-13.00	37.67	162	228	Horizontal
2	5553.2700	49.24	-45.15	32.97	-58.20	-13.00	45.20	216	271	Horizontal
3	7404.3600	49.37	-43.40	36.49	-52.80	-13.00	39.80	172	91	Horizontal
4	9255.4500	37.07	-40.23	38.38	-60.04	-13.00	47.04	151	30	Horizontal
5	11106.5400	32.13	-37.93	39.09	-61.97	-13.00	48.97	224	256	Horizontal
6	12957.6300	32.44	-37.24	39.79	-60.27	-13.00	47.27	259	197	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	58.67	-45.51	29.98	-52.12	-13.00	39.12	122	243	Vertical
2	5553.2700	56.62	-45.15	32.97	-50.82	-13.00	37.82	226	257	Vertical
3	7404.3600	57.92	-43.40	36.49	-44.25	-13.00	31.25	159	274	Vertical
4	9255.4500	41.27	-40.23	38.38	-55.84	-13.00	42.84	163	360	Vertical
5	11106.5400	33.18	-37.93	39.09	-60.92	-13.00	47.92	146	360	Vertical
6	12957.6300	32.36	-37.24	39.79	-60.35	-13.00	47.35	257	288	Vertical



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Test Band = LTE Band 2_ 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	57.85	-45.68	30.12	-52.97	-13.00	39.97	167	228	Horizontal
2	5613.2700	49.78	-45.04	33.07	-57.45	-13.00	44.45	251	153	Horizontal
3	7484.3600	44.56	-43.18	36.45	-57.43	-13.00	44.43	229	78	Horizontal
4	9355.4500	38.17	-40.00	38.46	-58.64	-13.00	45.64	186	358	Horizontal
5	11226.5400	34.09	-37.40	39.11	-59.46	-13.00	46.46	197	122	Horizontal
6	13097.6300	31.00	-37.01	39.87	-61.39	-13.00	48.39	236	136	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	57.83	-45.68	30.12	-52.99	-13.00	39.99	163	275	Vertical
2	5613	57.59	-45.04	33.07	-49.64	-13.00	36.64	125	275	Vertical
3	7484.25	54.68	-43.18	36.45	-47.31	-13.00	34.31	122	275	Vertical
4	9355.4500	41.43	-40.00	38.46	-55.38	-13.00	42.38	183	359	Vertical
5	11226.5400	34.74	-37.40	39.11	-58.81	-13.00	45.81	192	138	Vertical
6	13097.6300	29.78	-37.01	39.87	-62.61	-13.00	49.61	173	4	Vertical



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Test Band = LTE Band 2_ 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	60.61	-45.85	30.27	-50.23	-13.00	37.23	163	150	Horizontal
2	5673.2700	56.93	-44.91	33.29	-49.95	-13.00	36.95	251	180	Horizontal
3	7564.3600	51.22	-43.00	36.41	-50.64	-13.00	37.64	176	74	Horizontal
4	9455.4500	40.57	-40.05	38.48	-56.27	-13.00	43.27	192	331	Horizontal
5	11346.5400	33.56	-37.40	39.11	-59.99	-13.00	46.99	156	345	Horizontal
6	13237.6300	30.79	-37.08	39.96	-61.58	-13.00	48.58	113	74	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	58.55	-45.85	30.27	-52.29	-13.00	39.29	169	288	Vertical
2	5673.2700	58.82	-44.91	33.29	-48.06	-13.00	35.06	172	242	Vertical
3	7564.3600	57.41	-43.00	36.41	-44.45	-13.00	31.45	153	273	Vertical
4	9455.4500	45.36	-40.05	38.48	-51.48	-13.00	38.48	164	360	Vertical
5	11346.5400	35.59	-37.40	39.11	-57.96	-13.00	44.96	228	59	Vertical
6	13237.6300	31.21	-37.08	39.96	-61.16	-13.00	48.16	256	213	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 (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	2.90	0.001543	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	7.80	0.004149	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	4.40	0.002340	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	5.70	0.003032	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	4.00	0.002128	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	12.60	0.006702	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	0.30	0.000160	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	7.80	0.004149	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	15.30	0.008138	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	7.30	0.003883	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-1.50	-0.000798	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-0.30	-0.000160	PASS

---End of Attachment---



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