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Appendix B.2

LTE Band 2



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.4	27.4	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.39	27.39	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.31	27.31	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	23.34	27.34	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.63	27.63	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.7	27.7	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.62	27.62	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	23.64	27.64	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.18	27.18	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.27	27.27	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.15	27.15	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	23.21	27.21	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.52	26.52	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.58	26.58	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.61	26.61	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.48	25.48	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.95	26.95	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.09	27.09	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.98	26.98	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.79	25.79	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.53	26.53	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.6	26.6	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.49	26.49	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.34	25.34	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	22.46	26.46	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	22.57	26.57	33	PASS



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Band2	1.4MHz	64QAM	18607	1RB#5	22.51	26.51	33	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	21.42	25.42	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	22.86	26.86	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	22.88	26.88	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	22.79	26.79	33	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	21.73	25.73	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	22.36	26.36	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	22.34	26.34	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	22.33	26.33	33	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	21.27	25.27	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.4	27.4	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.42	27.42	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.34	27.34	33	PASS
Band2	3MHz	QPSK	18615	5RB#0	23.42	27.42	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.71	27.71	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.71	27.71	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.7	27.7	33	PASS
Band2	3MHz	QPSK	18900	5RB#0	23.7	27.7	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.26	27.26	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.23	27.23	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.23	27.23	33	PASS
Band2	3MHz	QPSK	19185	5RB#0	23.32	27.32	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.59	26.59	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.65	26.65	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.66	26.66	33	PASS
Band2	3MHz	16QAM	18615	5RB#0	21.56	25.56	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.96	26.96	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.91	26.91	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.95	26.95	33	PASS
Band2	3MHz	16QAM	18900	5RB#0	21.84	25.84	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.6	26.6	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.53	26.53	33	PASS



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Band2	3MHz	16QAM	19185	1RB#14	22.44	26.44	33	PASS
Band2	3MHz	16QAM	19185	5RB#0	21.41	25.41	33	PASS
Band2	3MHz	64QAM	18615	1RB#0	21.58	25.58	33	PASS
Band2	3MHz	64QAM	18615	1RB#8	21.58	25.58	33	PASS
Band2	3MHz	64QAM	18615	1RB#14	21.61	25.61	33	PASS
Band2	3MHz	64QAM	18615	5RB#0	20.48	24.48	33	PASS
Band2	3MHz	64QAM	18900	1RB#0	21.85	25.85	33	PASS
Band2	3MHz	64QAM	18900	1RB#8	21.95	25.95	33	PASS
Band2	3MHz	64QAM	18900	1RB#14	21.88	25.88	33	PASS
Band2	3MHz	64QAM	18900	5RB#0	20.8	24.8	33	PASS
Band2	3MHz	64QAM	19185	1RB#0	21.58	25.58	33	PASS
Band2	3MHz	64QAM	19185	1RB#8	21.43	25.43	33	PASS
Band2	3MHz	64QAM	19185	1RB#14	21.47	25.47	33	PASS
Band2	3MHz	64QAM	19185	5RB#0	20.35	24.35	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.36	27.36	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.39	27.39	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.39	27.39	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	23.43	27.43	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.66	27.66	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.66	27.66	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.67	27.67	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	23.71	27.71	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.22	27.22	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.22	27.22	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.18	27.18	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	23.29	27.29	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.6	26.6	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.59	26.59	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.59	26.59	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.42	25.42	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	23.02	27.02	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	23.05	27.05	33	PASS



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Band2	5MHz	16QAM	18900	1RB#24	23.02	27.02	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.71	25.71	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.58	26.58	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.51	26.51	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.4	26.4	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.3	25.3	33	PASS
Band2	5MHz	64QAM	18625	1RB#0	21.61	25.61	33	PASS
Band2	5MHz	64QAM	18625	1RB#12	21.64	25.64	33	PASS
Band2	5MHz	64QAM	18625	1RB#24	21.59	25.59	33	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.42	24.42	33	PASS
Band2	5MHz	64QAM	18900	1RB#0	21.98	25.98	33	PASS
Band2	5MHz	64QAM	18900	1RB#12	21.9	25.9	33	PASS
Band2	5MHz	64QAM	18900	1RB#24	21.97	25.97	33	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.72	24.72	33	PASS
Band2	5MHz	64QAM	19175	1RB#0	21.5	25.5	33	PASS
Band2	5MHz	64QAM	19175	1RB#12	21.46	25.46	33	PASS
Band2	5MHz	64QAM	19175	1RB#24	21.36	25.36	33	PASS
Band2	5MHz	64QAM	19175	25RB#0	20.28	24.28	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.38	27.38	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.38	27.38	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.48	27.48	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	23.53	27.53	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.66	27.66	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.67	27.67	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.61	27.61	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	23.73	27.73	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.39	27.39	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.31	27.31	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.24	27.24	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	23.41	27.41	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.57	26.57	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.55	26.55	33	PASS



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Band2	10MHz	16QAM	18650	1RB#49	22.71	26.71	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.52	25.52	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.87	26.87	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	23.04	27.04	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.92	26.92	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.79	25.79	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.75	26.75	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.64	26.64	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.51	26.51	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.47	25.47	33	PASS
Band2	10MHz	64QAM	18650	1RB#0	21.47	25.47	33	PASS
Band2	10MHz	64QAM	18650	1RB#24	21.54	25.54	33	PASS
Band2	10MHz	64QAM	18650	1RB#49	21.69	25.69	33	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.55	24.55	33	PASS
Band2	10MHz	64QAM	18900	1RB#0	21.86	25.86	33	PASS
Band2	10MHz	64QAM	18900	1RB#24	21.94	25.94	33	PASS
Band2	10MHz	64QAM	18900	1RB#49	21.86	25.86	33	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.8	24.8	33	PASS
Band2	10MHz	64QAM	19150	1RB#0	21.62	25.62	33	PASS
Band2	10MHz	64QAM	19150	1RB#24	21.61	25.61	33	PASS
Band2	10MHz	64QAM	19150	1RB#49	21.46	25.46	33	PASS
Band2	10MHz	64QAM	19150	50RB#0	20.46	24.46	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.4	27.4	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.39	27.39	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.46	27.46	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	23.59	27.59	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.7	27.7	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.78	27.78	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.63	27.63	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	23.71	27.71	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.55	27.55	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.49	27.49	33	PASS



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Band2	15MHz	QPSK	19125	75RB#0	23.46	27.46	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.7	26.7	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.71	26.71	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.72	26.72	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.57	25.57	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	23.01	27.01	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.98	26.98	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.98	26.98	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.82	25.82	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.72	26.72	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.77	26.77	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.55	26.55	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.49	25.49	33	PASS
Band2	15MHz	64QAM	18675	1RB#0	21.67	25.67	33	PASS
Band2	15MHz	64QAM	18675	1RB#38	21.53	25.53	33	PASS
Band2	15MHz	64QAM	18675	1RB#74	21.71	25.71	33	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.57	24.57	33	PASS
Band2	15MHz	64QAM	18900	1RB#0	21.9	25.9	33	PASS
Band2	15MHz	64QAM	18900	1RB#38	21.89	25.89	33	PASS
Band2	15MHz	64QAM	18900	1RB#74	21.87	25.87	33	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.8	24.8	33	PASS
Band2	15MHz	64QAM	19125	1RB#0	21.79	25.79	33	PASS
Band2	15MHz	64QAM	19125	1RB#38	21.71	25.71	33	PASS
Band2	15MHz	64QAM	19125	1RB#74	21.51	25.51	33	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.49	24.49	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.39	27.39	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.5	27.5	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.48	27.48	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	23.61	27.61	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.57	27.57	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.75	27.75	33	PASS



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Band2	20MHz	QPSK	18900	1RB#99	23.6	27.6	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	23.79	27.79	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.53	27.53	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.43	27.43	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.27	27.27	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	23.52	27.52	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.71	26.71	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.61	26.61	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.75	26.75	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.58	25.58	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.81	26.81	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.2	27.2	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.92	26.92	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.83	25.83	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.88	26.88	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.76	26.76	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.48	26.48	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.63	25.63	33	PASS
Band2	20MHz	64QAM	18700	1RB#0	21.62	25.62	33	PASS
Band2	20MHz	64QAM	18700	1RB#49	21.58	25.58	33	PASS
Band2	20MHz	64QAM	18700	1RB#99	21.67	25.67	33	PASS
Band2	20MHz	64QAM	18700	100RB#0	20.61	24.61	33	PASS
Band2	20MHz	64QAM	18900	1RB#0	21.79	25.79	33	PASS
Band2	20MHz	64QAM	18900	1RB#49	22.02	26.02	33	PASS
Band2	20MHz	64QAM	18900	1RB#99	21.82	25.82	33	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.8	24.8	33	PASS
Band2	20MHz	64QAM	19100	1RB#0	21.71	25.71	33	PASS
Band2	20MHz	64QAM	19100	1RB#49	21.73	25.73	33	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.51	25.51	33	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.6	24.6	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	4.94	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.62	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.58	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.76	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.42	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.36	13	PASS
Band2	20MHz	64QAM	18700	100RB#0	6.20	13	PASS
Band2	20MHz	64QAM	18900	100RB#0	6.86	13	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.76	13	PASS



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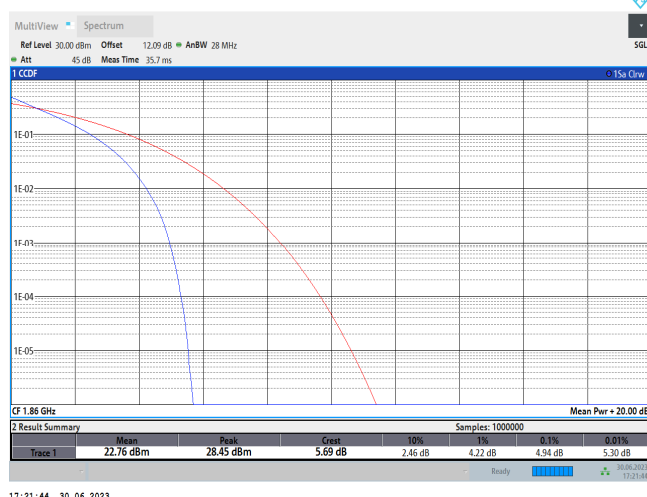
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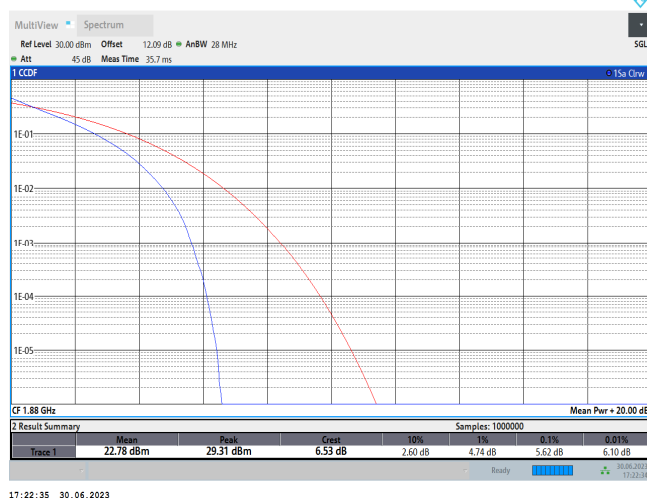
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Test Graphs

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



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



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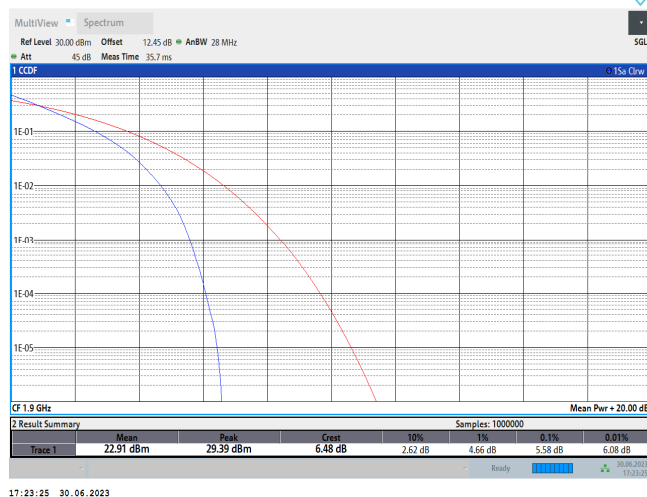
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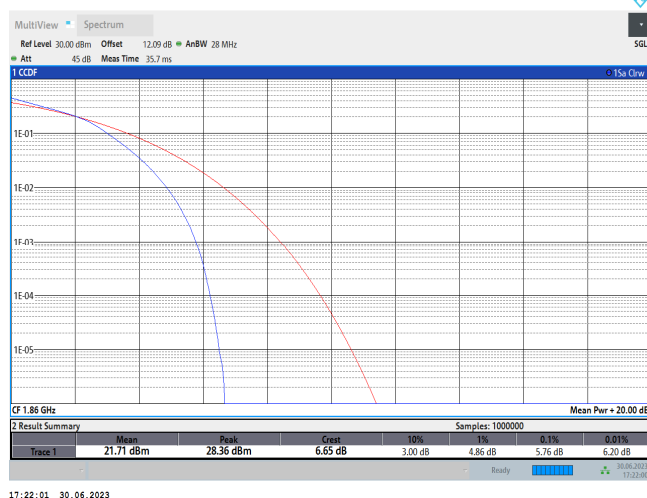
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Band2-20MHz-QPSK-19100-100RB#0



17:23:25 30.06.2023

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



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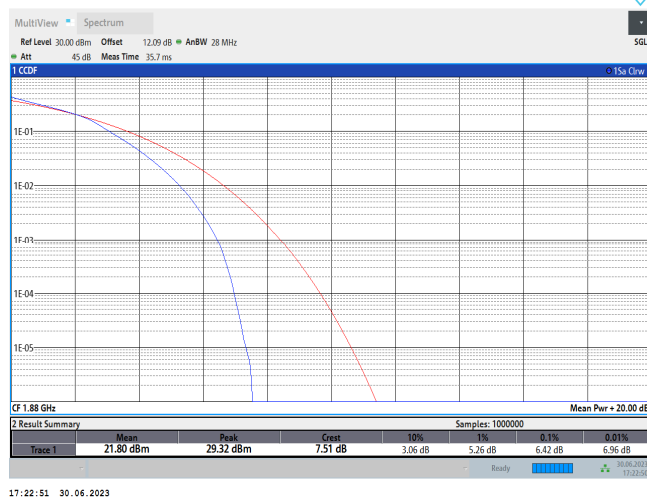
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Band2-20MHz-16QAM-18900-100RB#0



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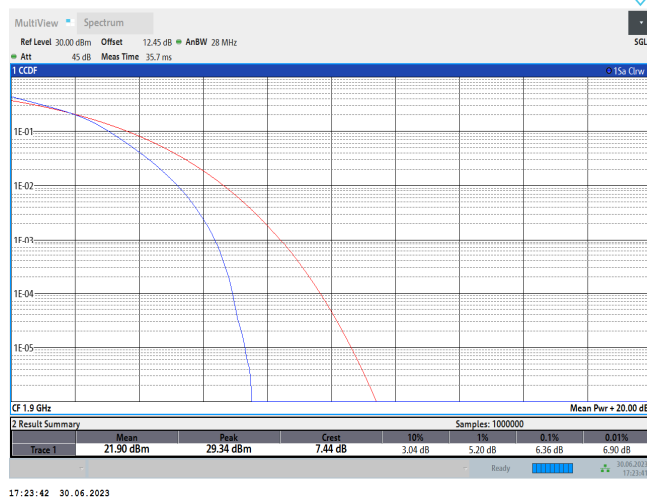
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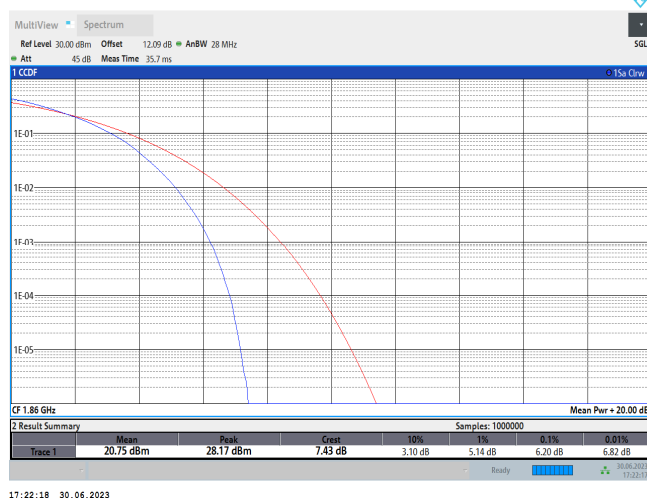
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Band2-20MHz-16QAM-19100-100RB#0



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



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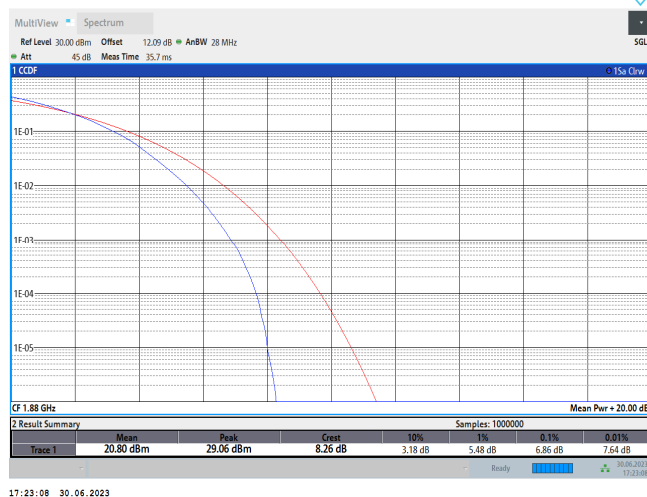
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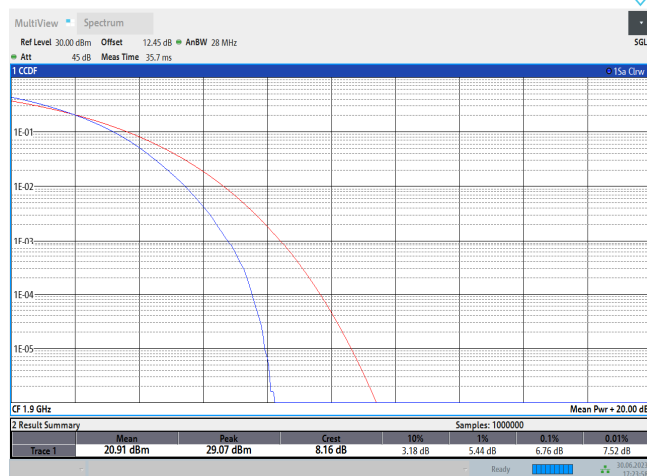
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Band2-20MHz-64QAM-18900-100RB#0



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



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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



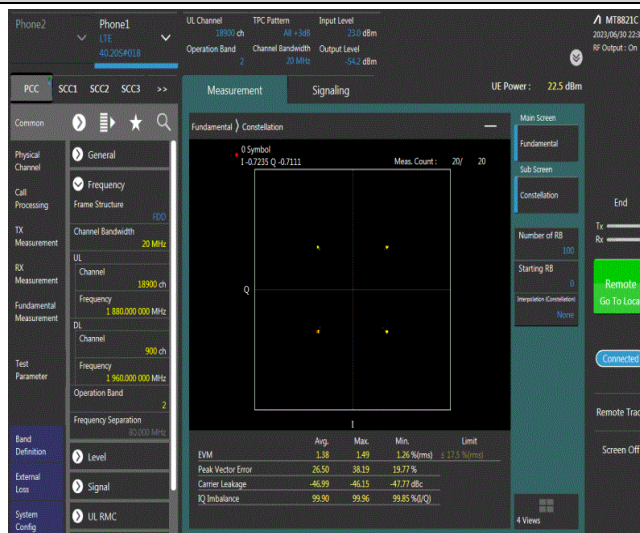
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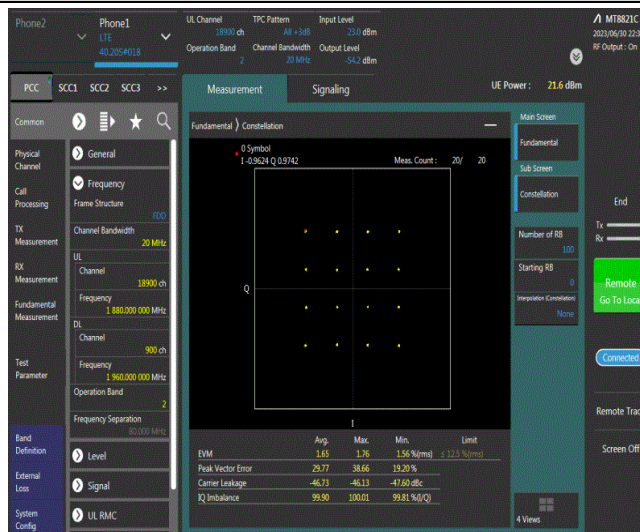
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Test Graphs

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



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



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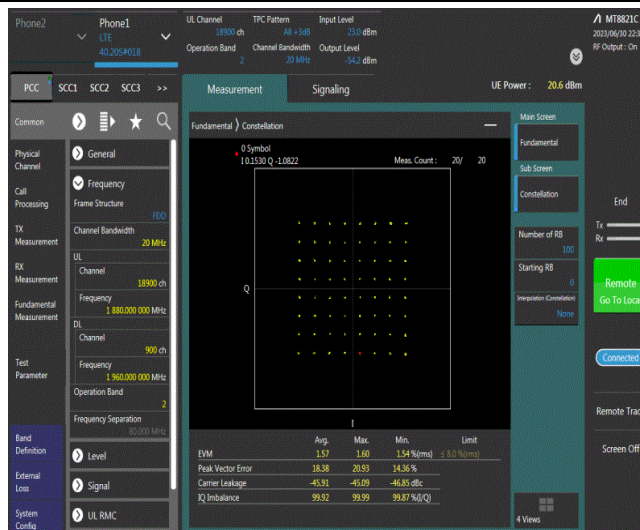
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Band2-20MHz-64QAM-18900-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.085	1.24	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.086	1.24	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.085	1.24	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.092	1.24	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.092	1.24	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.093	1.24	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.094	1.25	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.09	1.25	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.09	1.25	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.695	2.99	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.698	2.95	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.697	2.98	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.688	3.01	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.686	2.98	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.688	2.99	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.691	2.97	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.696	2.97	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.689	2.98	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.473	4.88	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.475	4.90	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.472	4.88	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.472	4.91	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.473	4.91	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.47	4.95	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.484	4.90	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.485	4.92	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.489	4.93	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.936	9.64	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.938	9.66	PASS



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Band2	10MHz	QPSK	19150	50RB#0	8.947	9.72	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.917	9.62	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.929	9.68	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.934	9.64	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.941	9.72	PASS
Band2	10MHz	64QAM	18900	50RB#0	8.941	9.72	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.946	9.70	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.467	14.73	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.494	14.79	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.479	14.70	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.438	14.79	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.469	14.79	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.47	14.82	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.428	14.79	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.457	14.85	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.46	14.76	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.893	19.40	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.974	19.56	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.932	19.40	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.855	19.32	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.936	19.36	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.881	19.36	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.866	19.40	PASS
Band2	20MHz	64QAM	18900	100RB#0	17.933	19.56	PASS
Band2	20MHz	64QAM	19100	100RB#0	17.872	19.40	PASS



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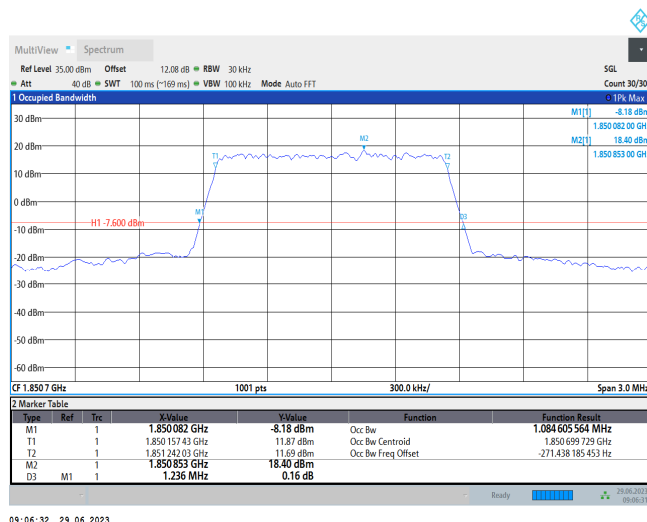
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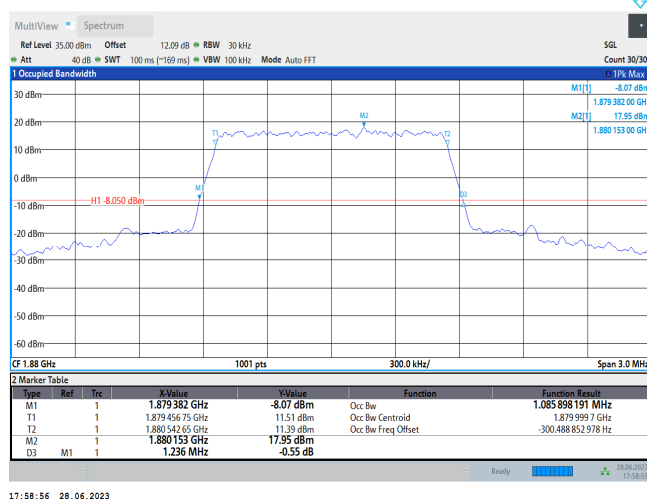
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Test Graphs

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



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

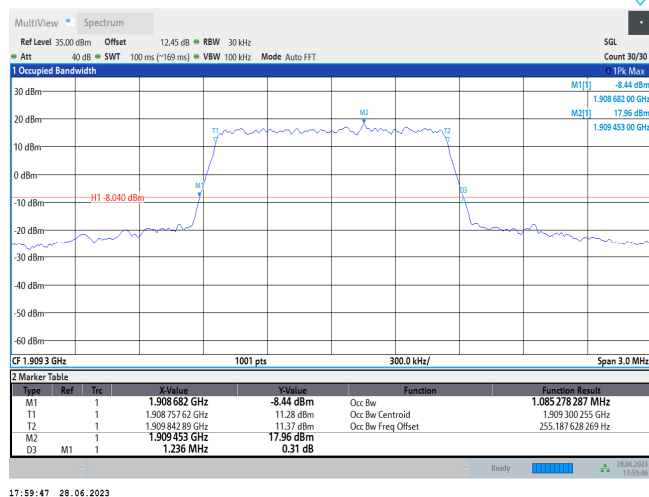


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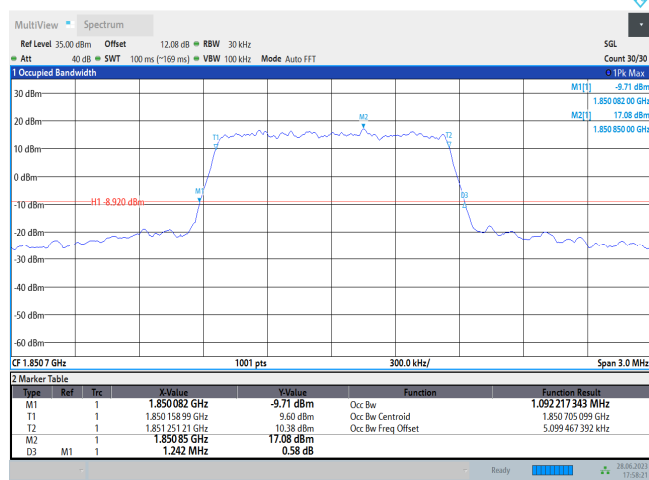
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Band2-1.4MHz-16QAM-18607-6RB#0



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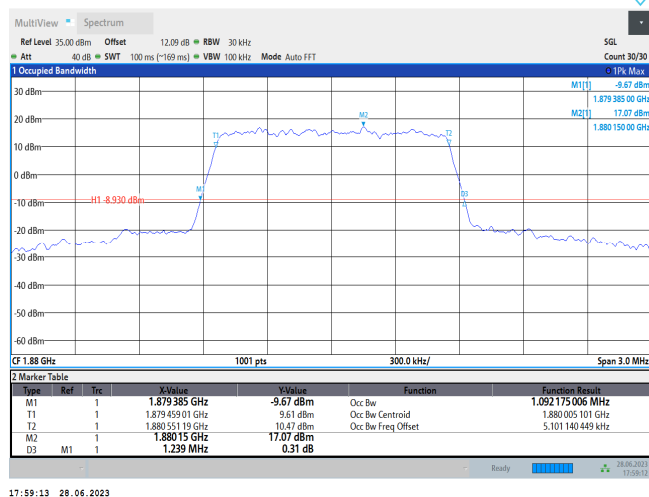
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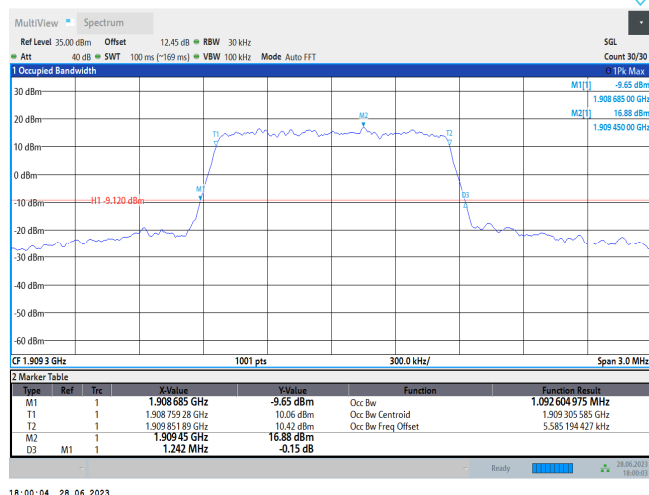
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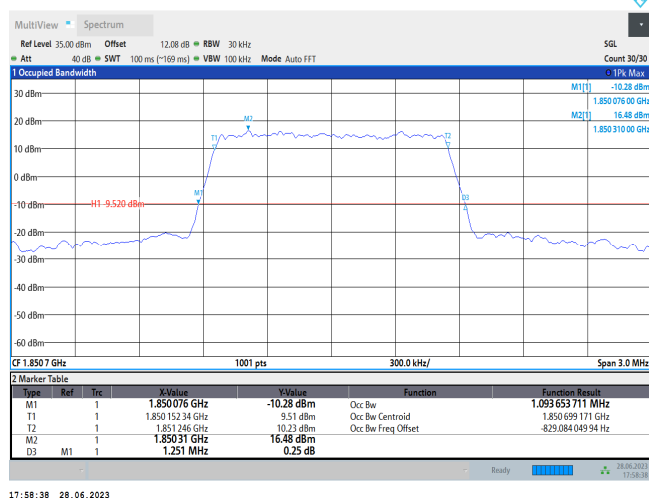
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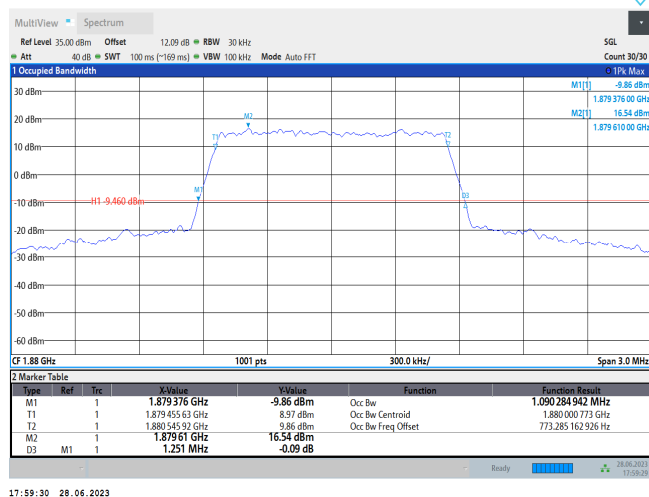
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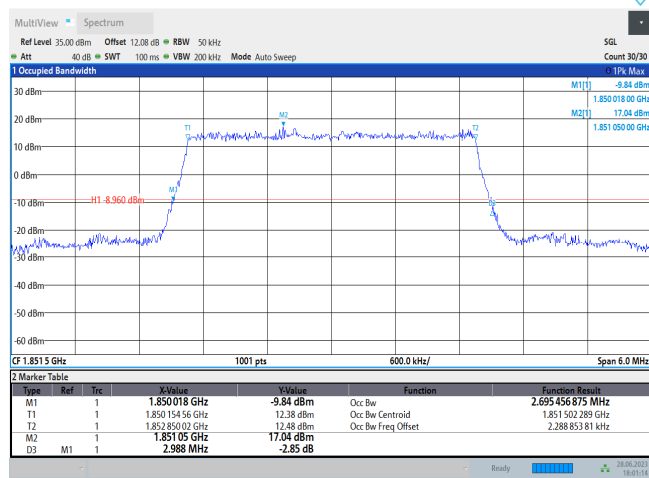
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Band2-3MHz-QPSK-18615-15RB#0



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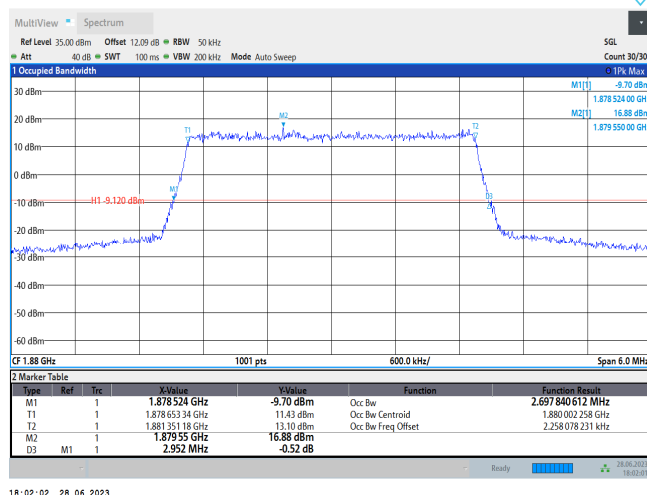
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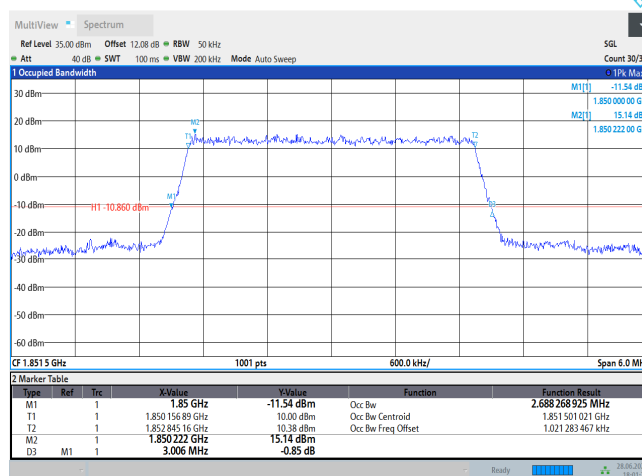
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Band2-3MHz-16QAM-18615-15RB#0



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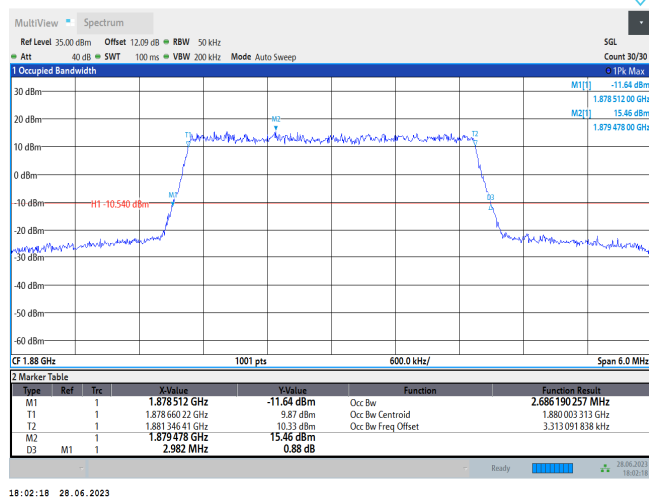
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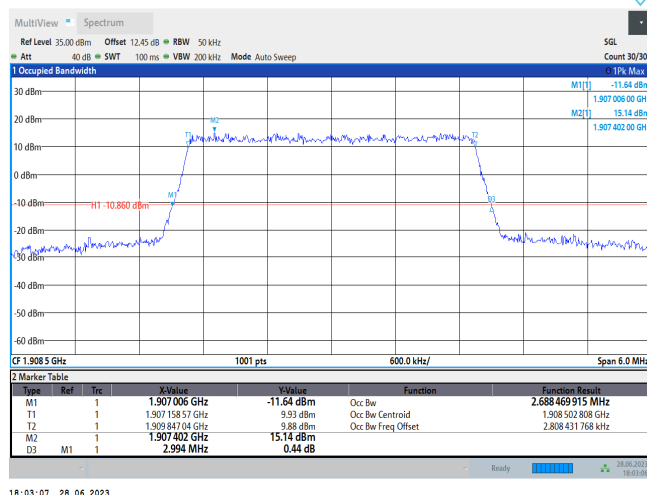
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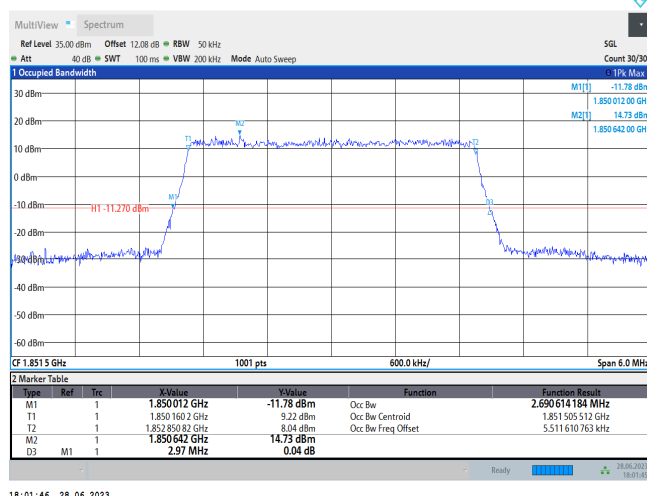
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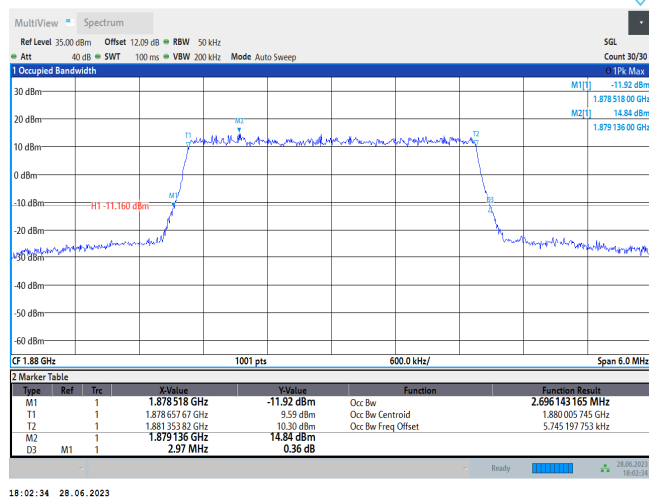
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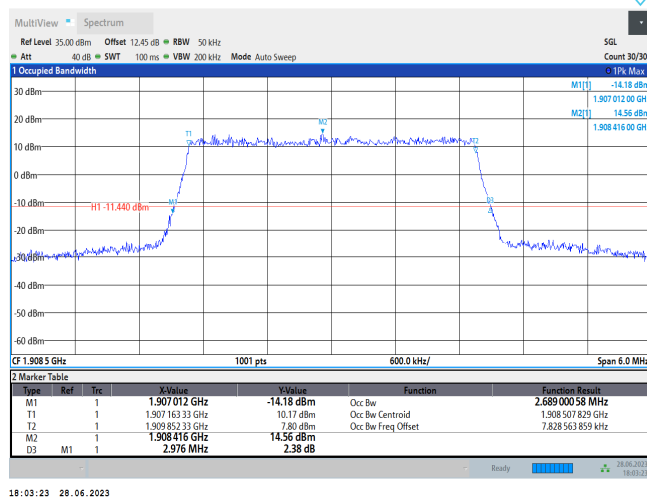
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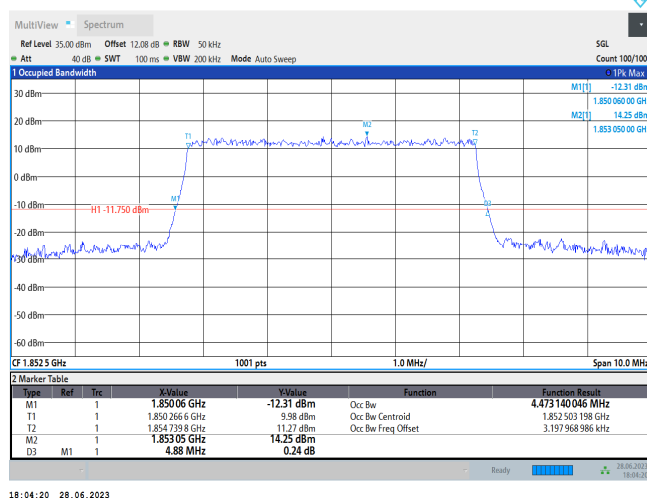
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Band2-5MHz-QPSK-18625-25RB#0

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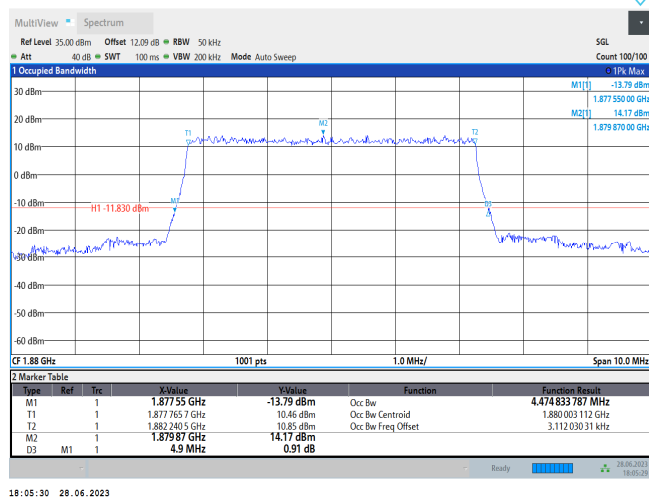
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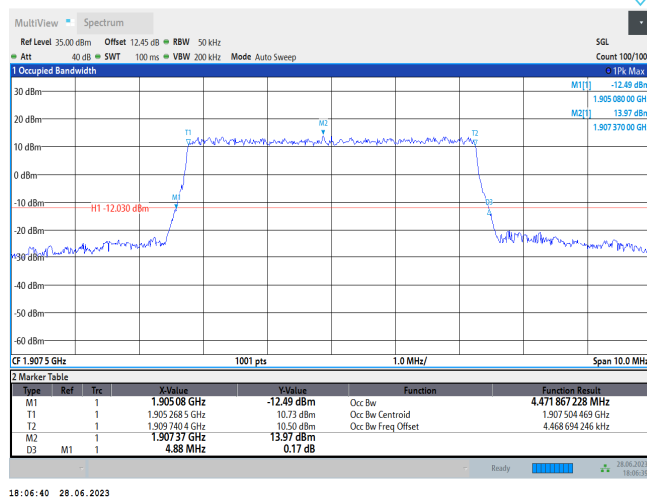
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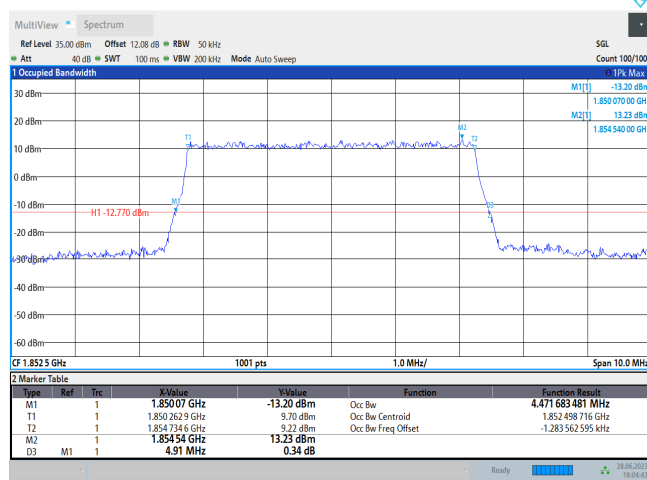
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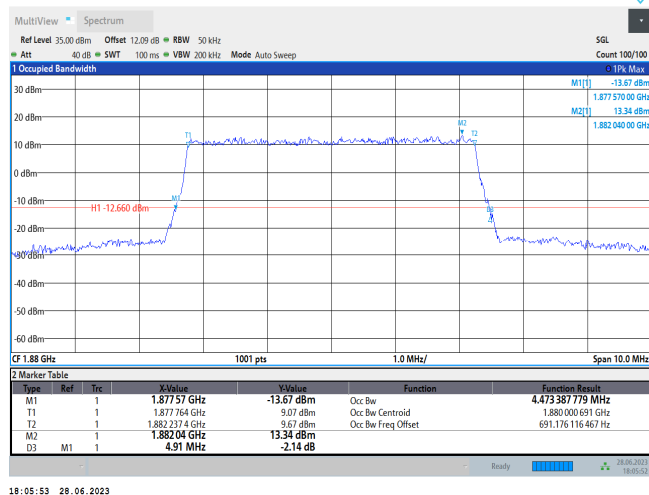
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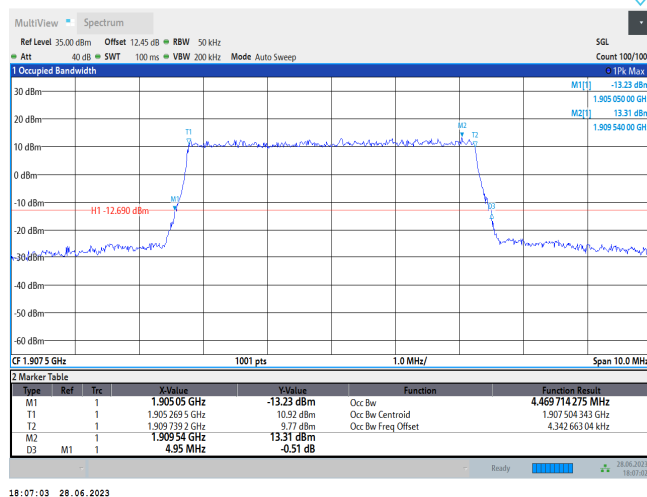
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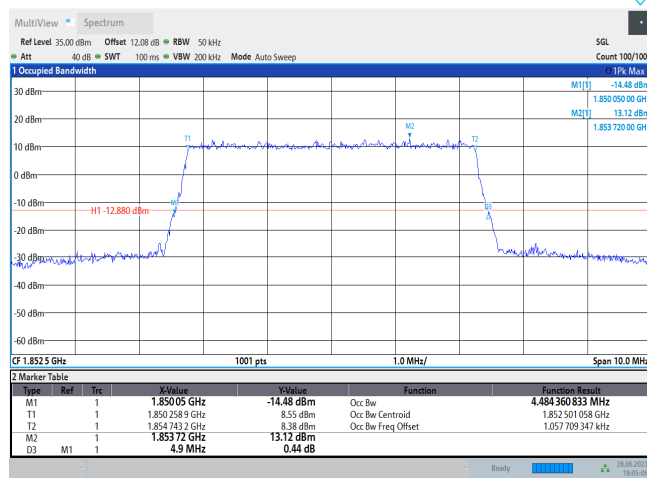
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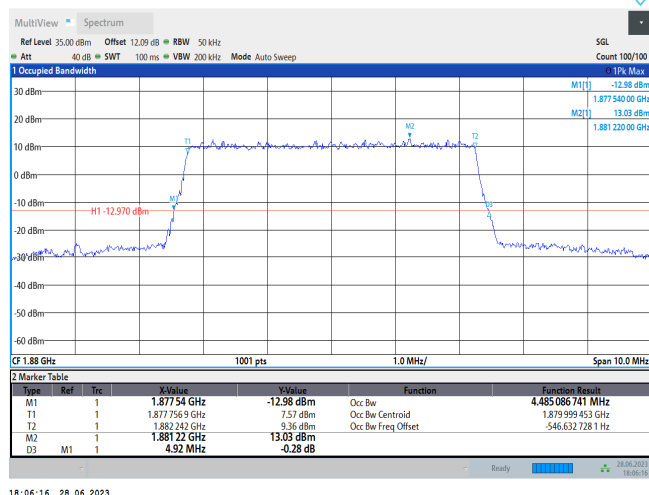
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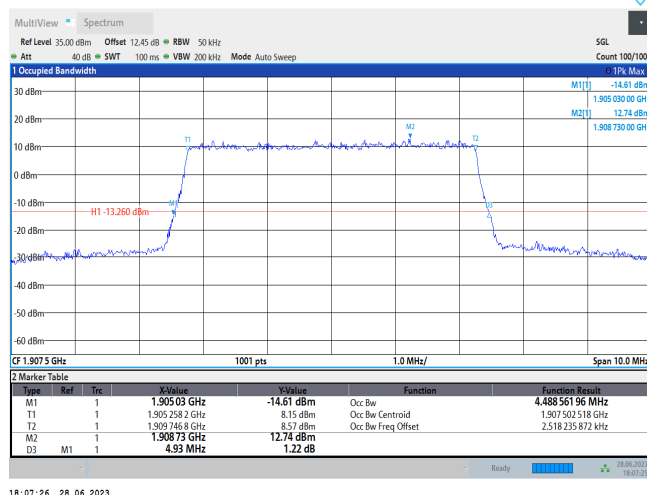
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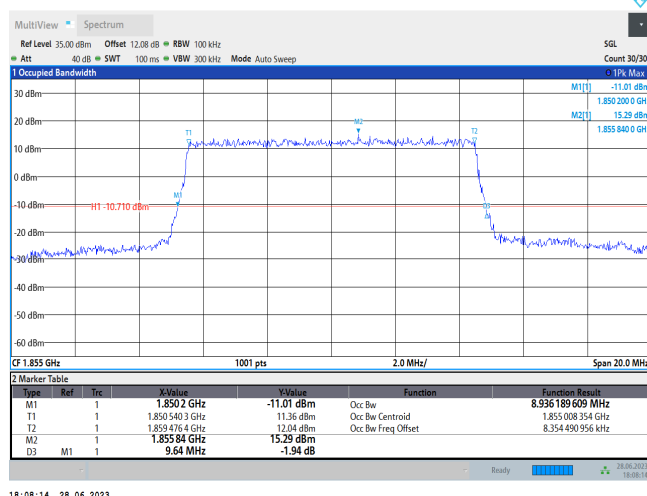
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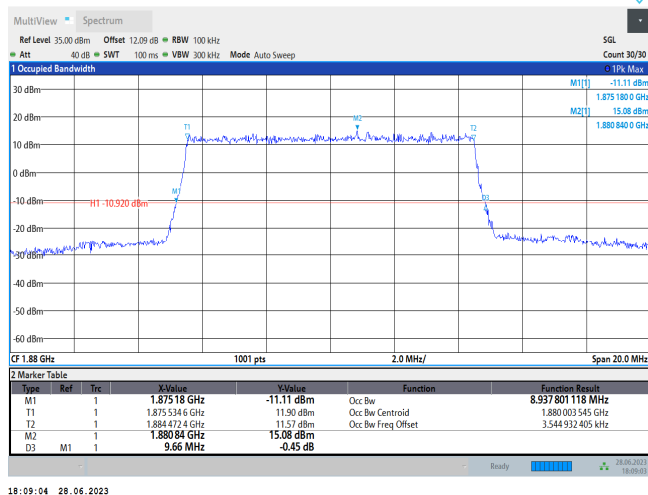
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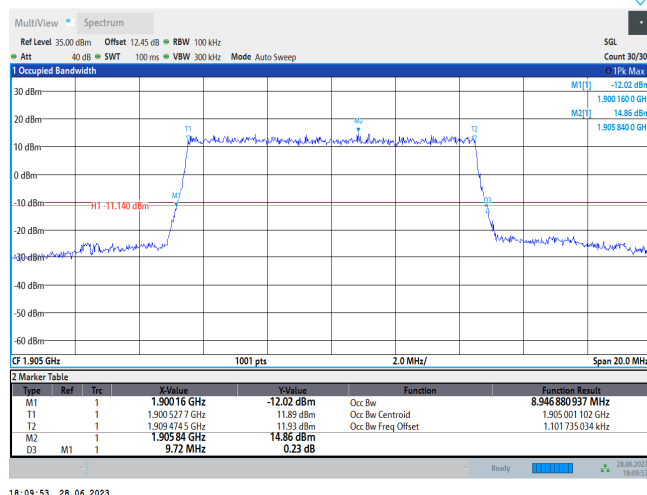
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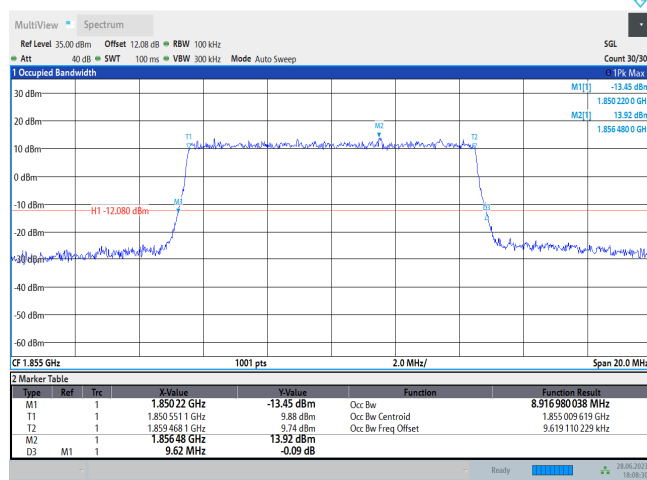
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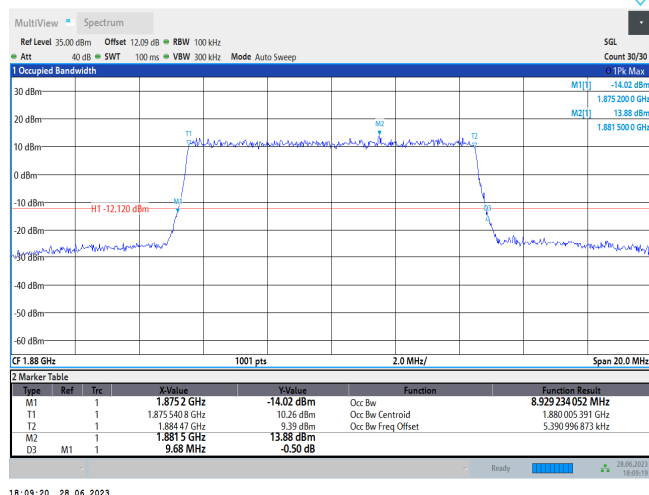
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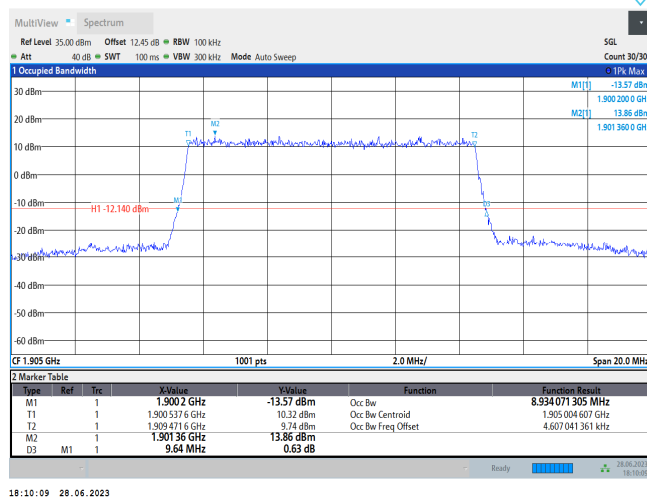
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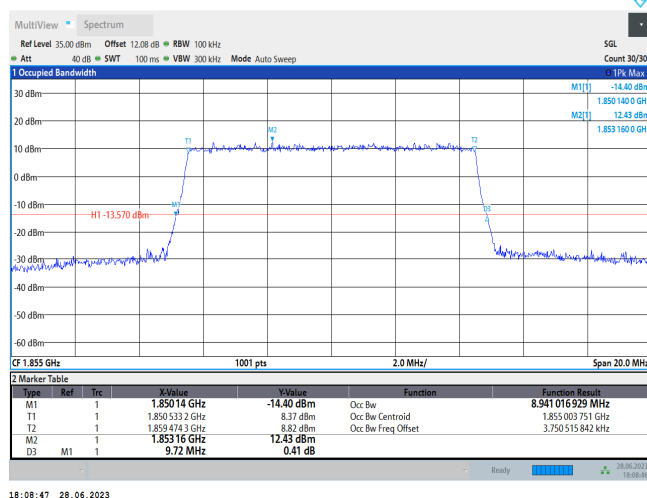
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Band2-10MHz-64QAM-18650-50RB#0



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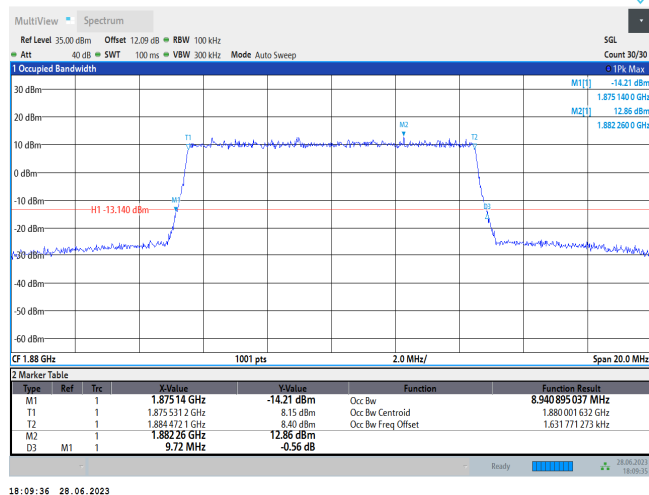
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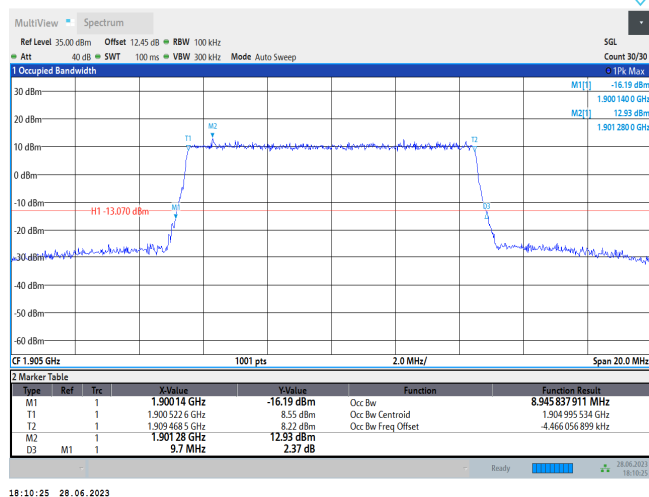
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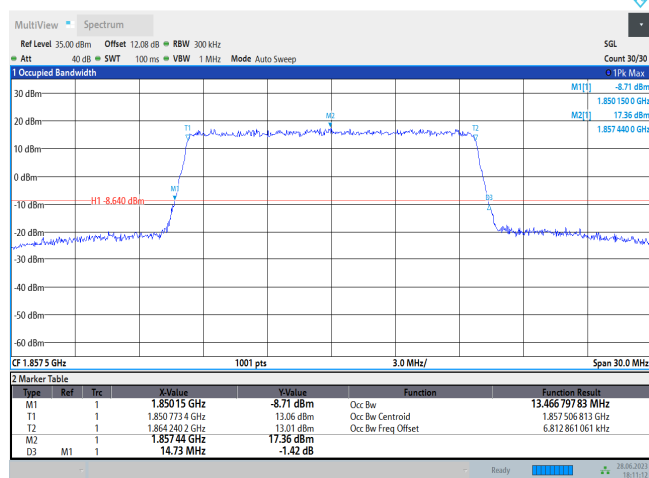
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Band2-15MHz-QPSK-18675-75RB#0



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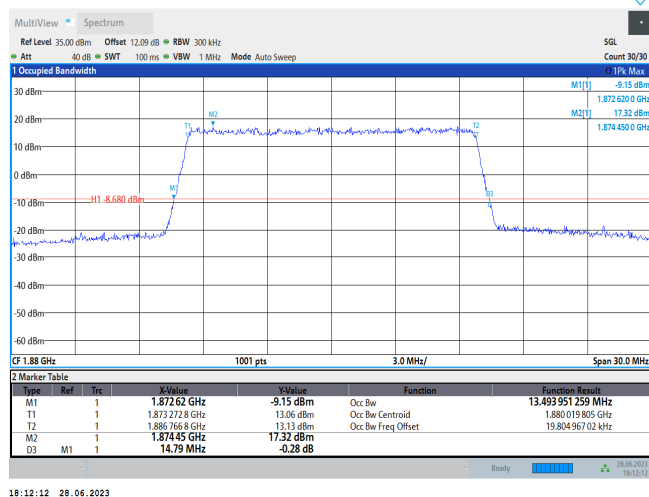
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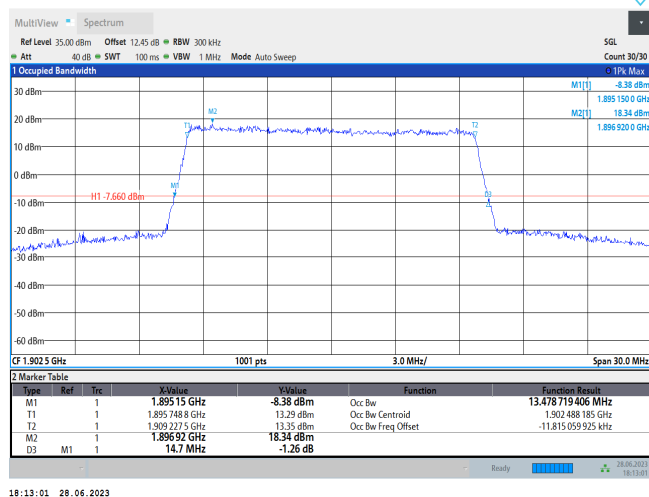
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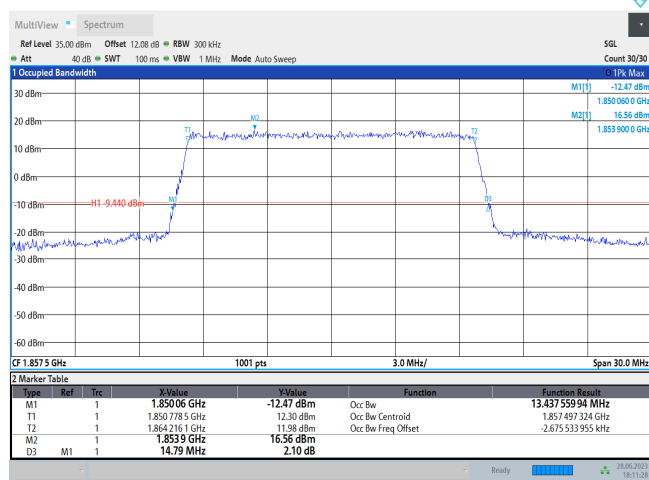
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Band2-15MHz-16QAM-18675-75RB#0



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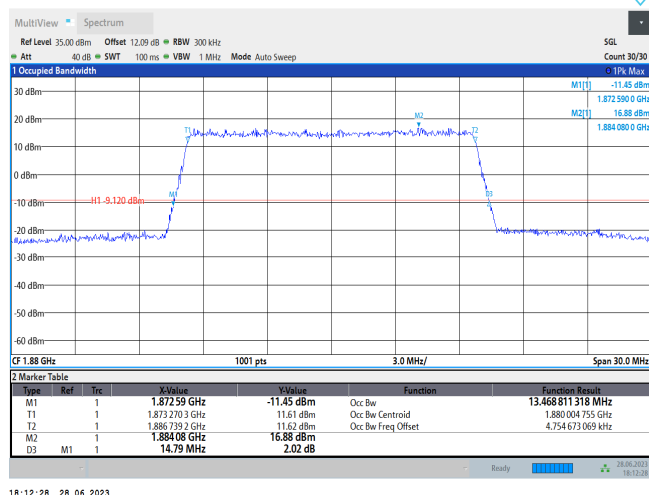
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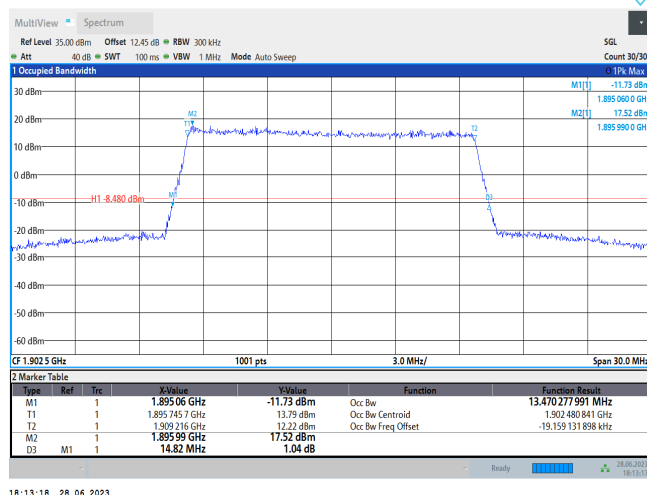
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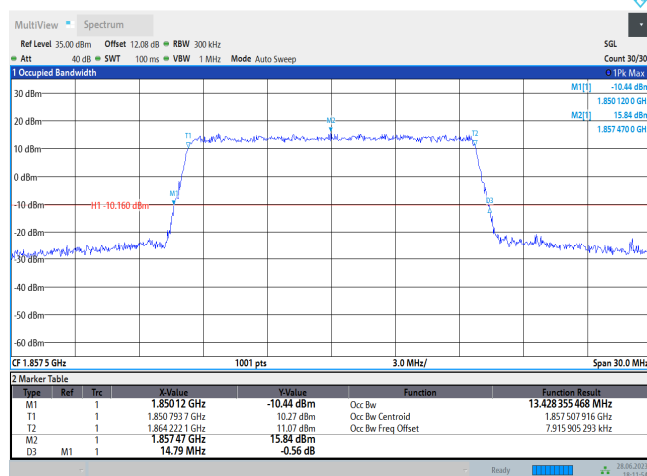
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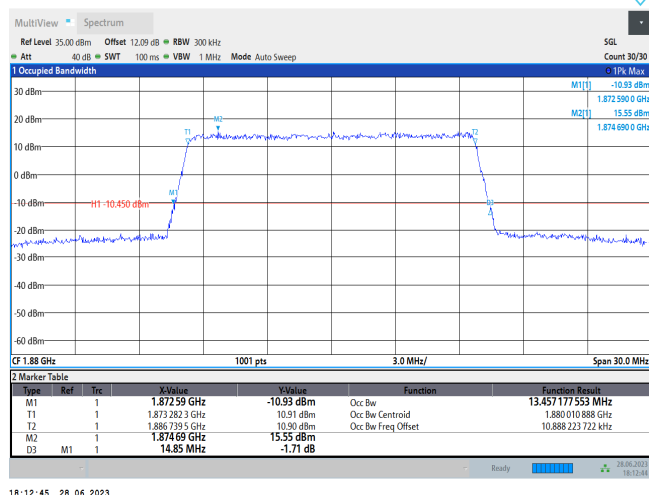
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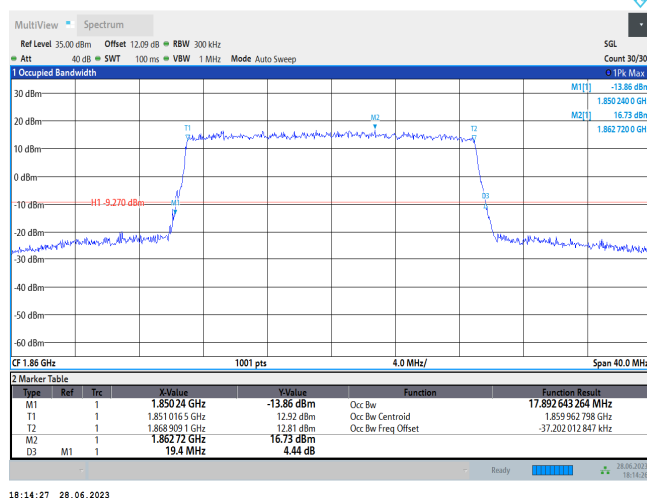
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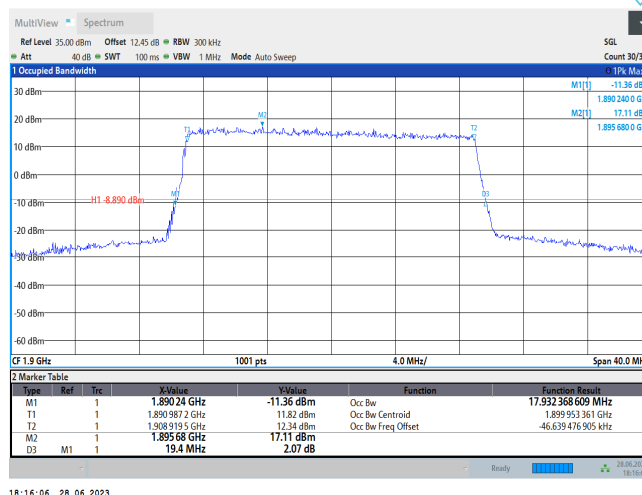
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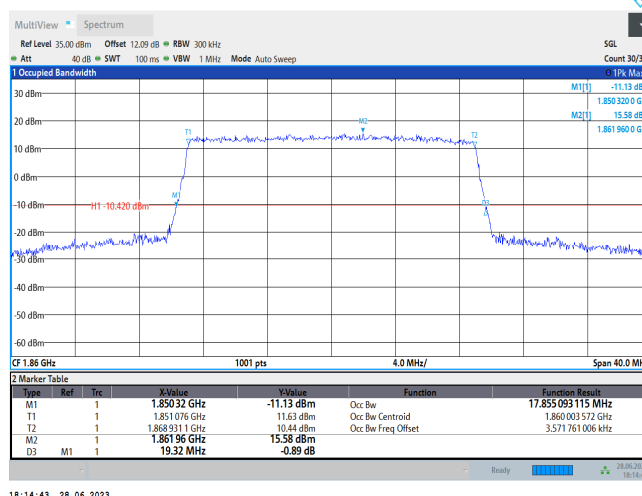
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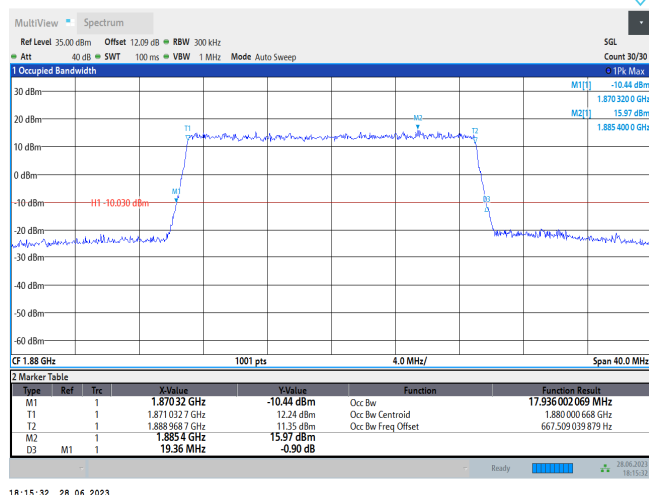
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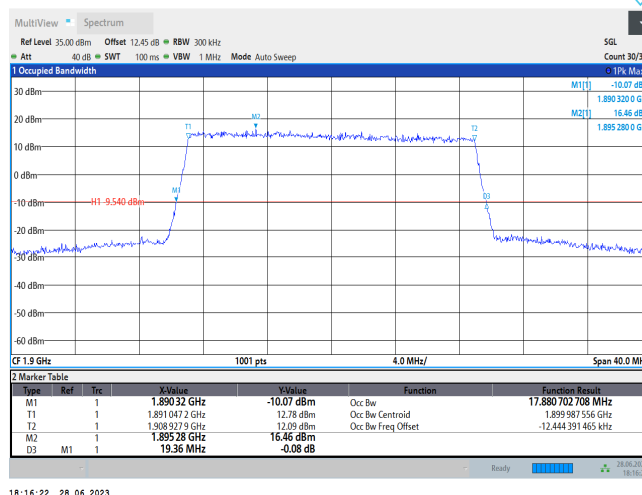
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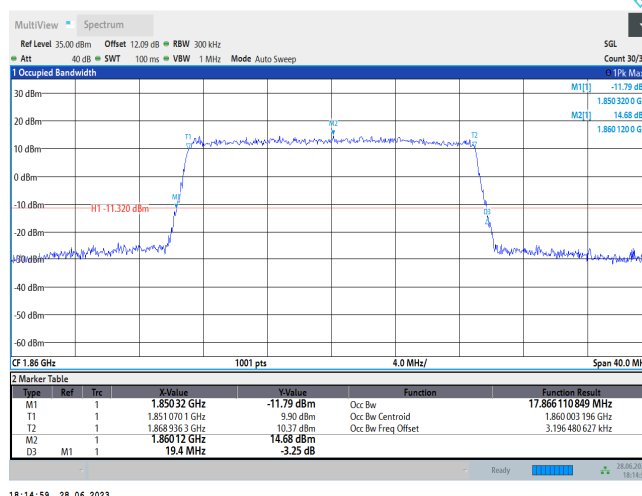
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Band2-20MHz-64QAM-18700-100RB#0



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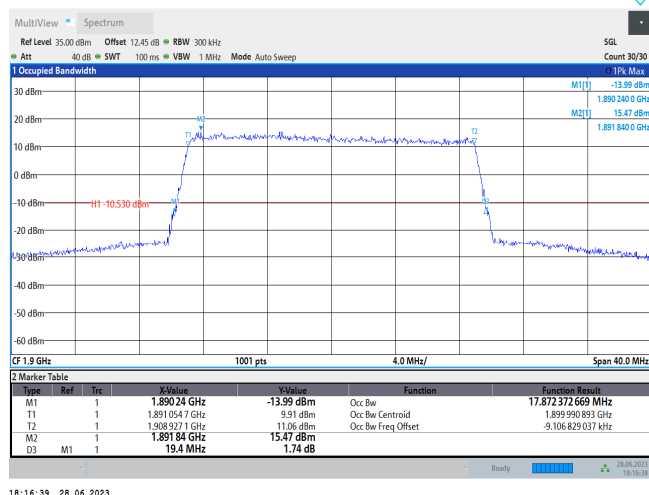
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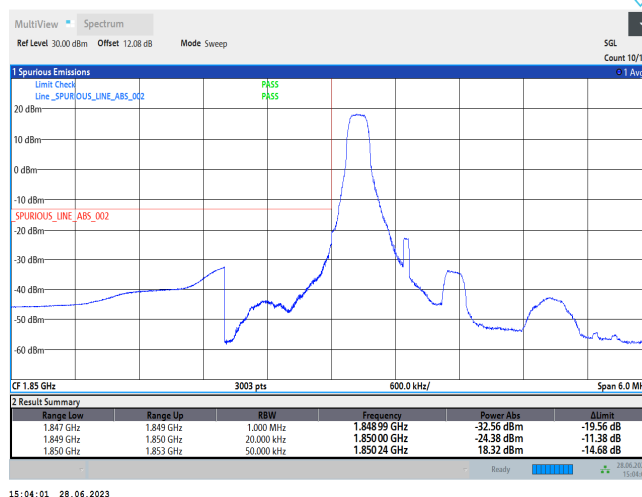
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Band Edge

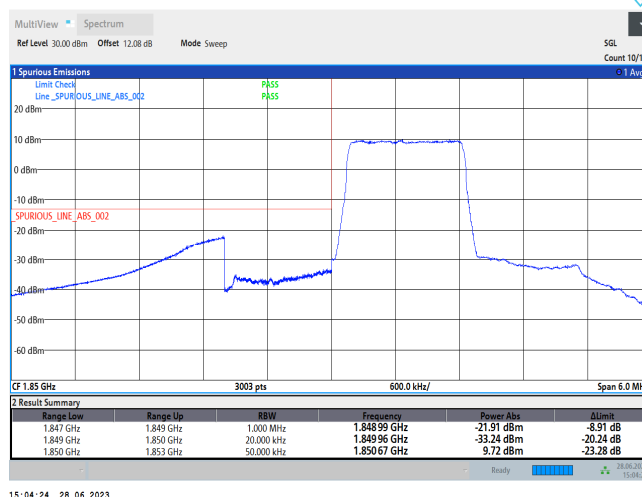
Test Graphs

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



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



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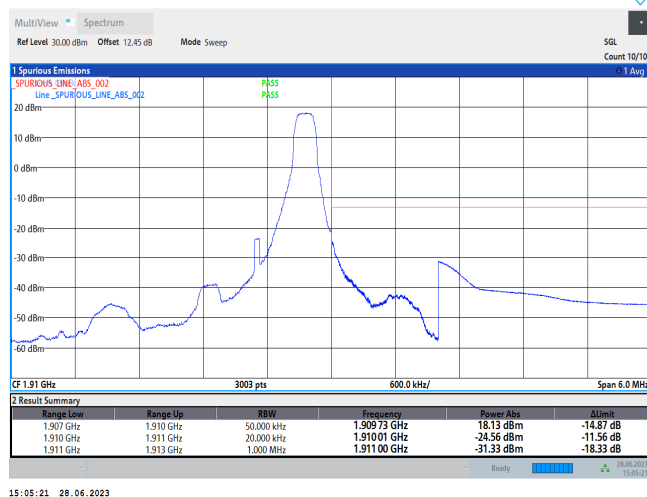
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Band2-1.4MHz-QPSK-19193-1RB#5



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



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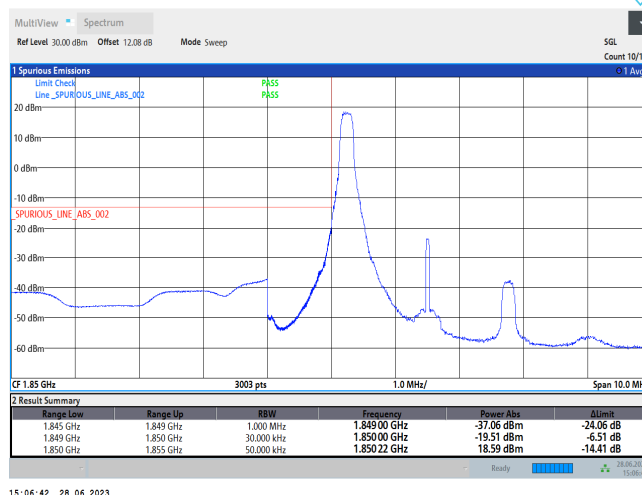
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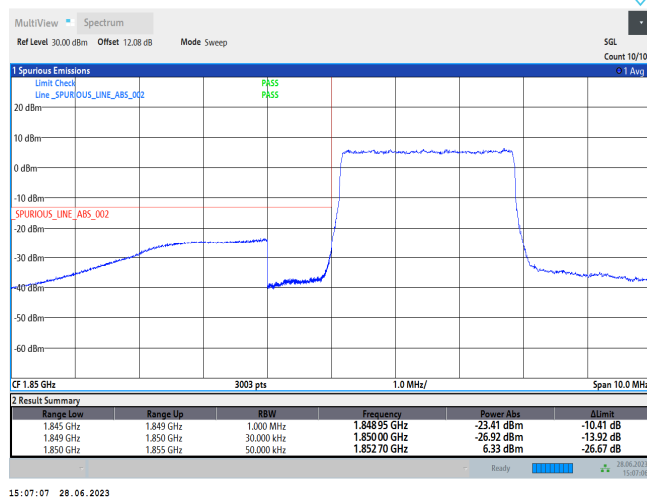
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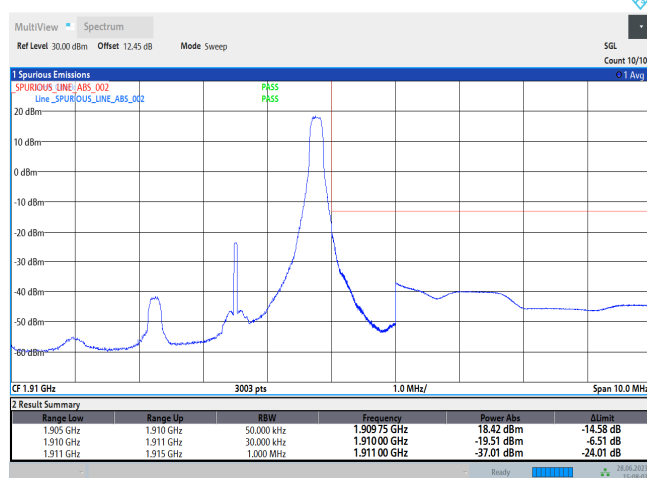
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Band2-3MHz-QPSK-19185-1RB#14



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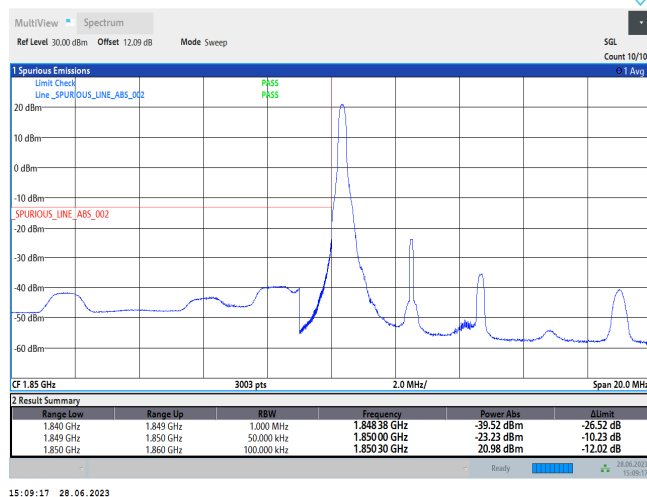
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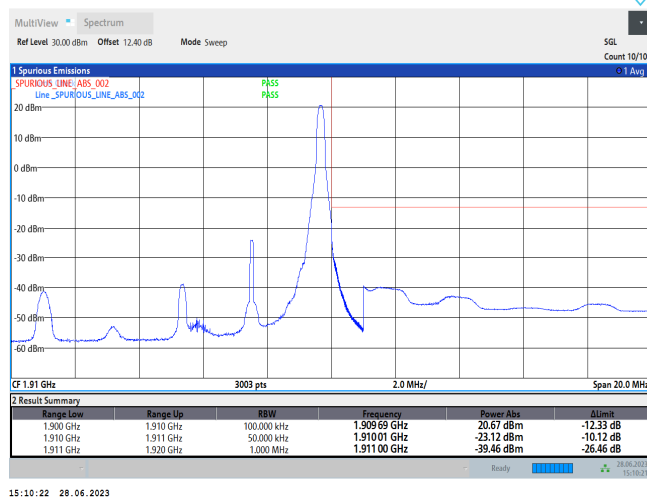
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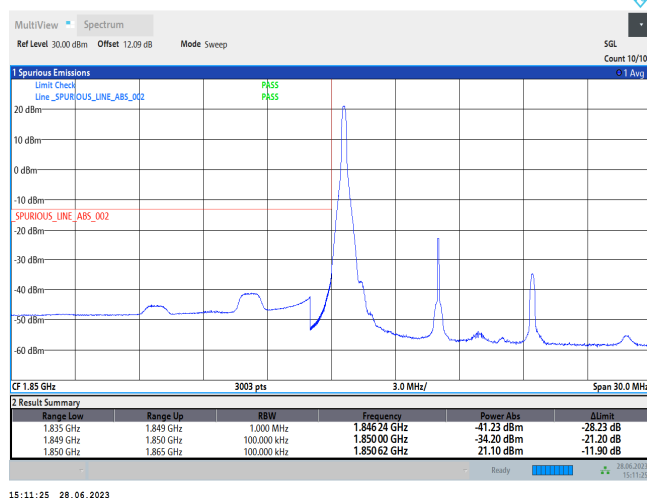
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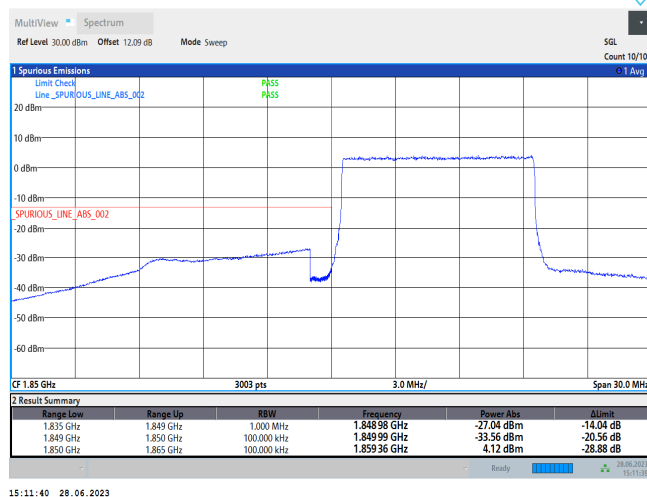
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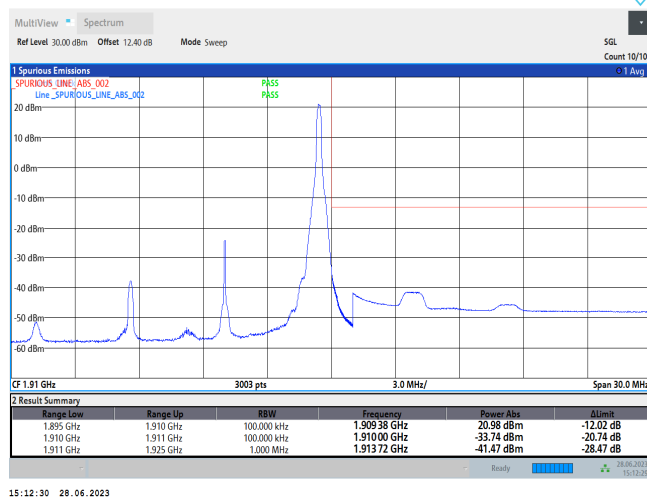
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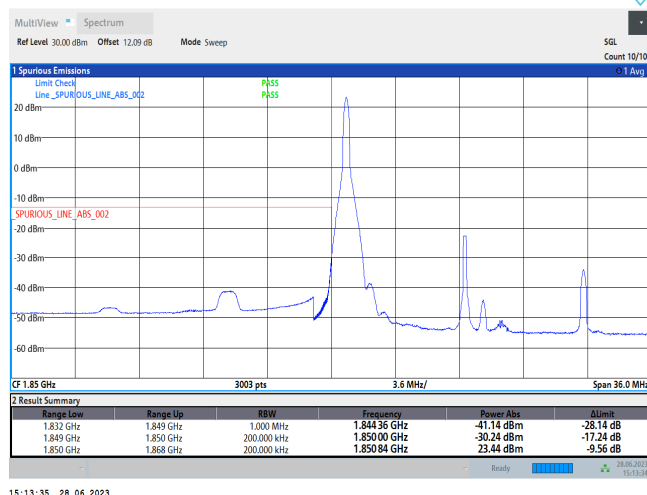
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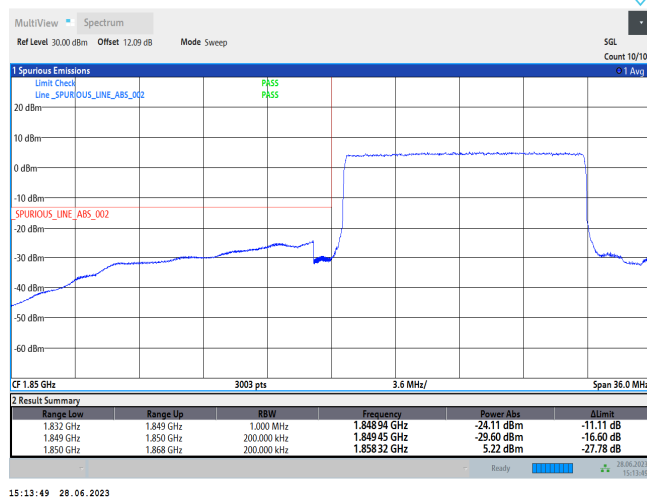
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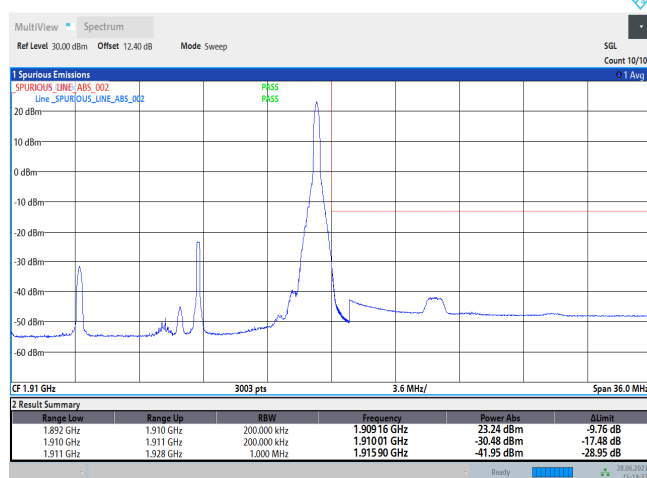
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Band2-15MHz-QPSK-19125-1RB#74



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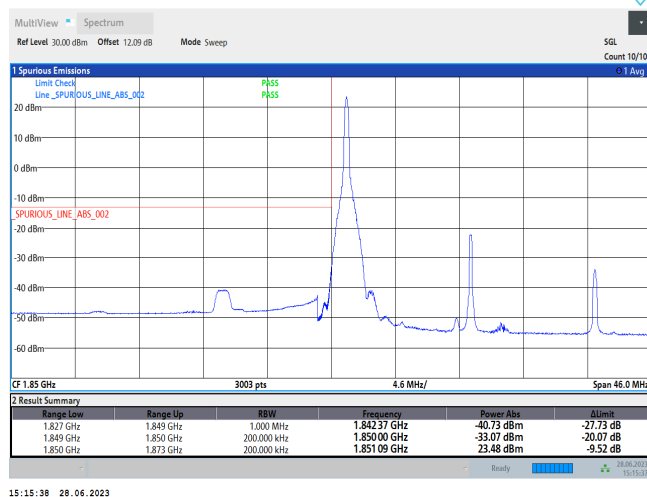
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Band2-20MHz-QPSK-18700-1RB#0



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



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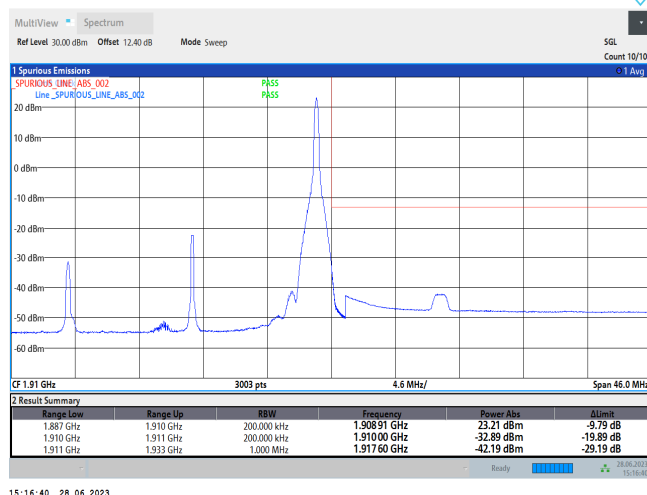
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Band2-20MHz-QPSK-19100-1RB#99

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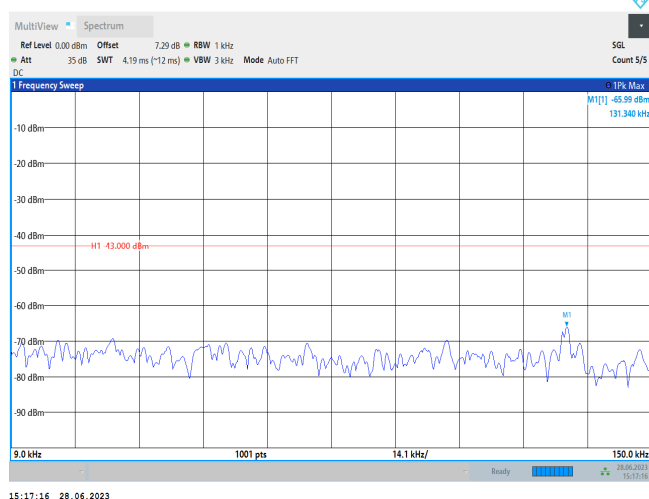
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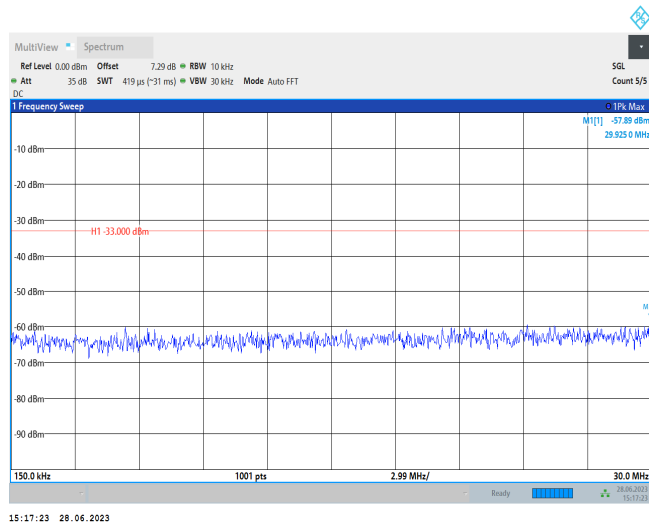
Conducted Spurious Emission

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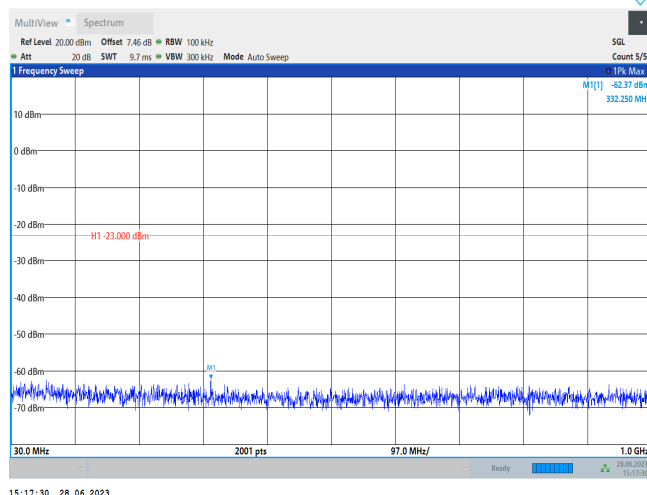
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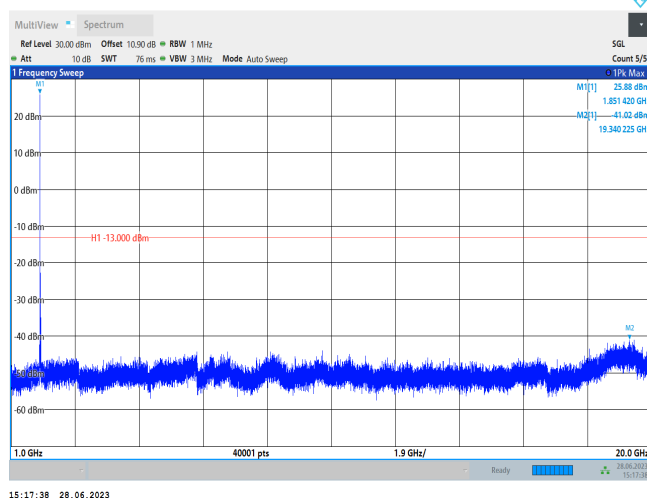
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Band2-20MHz-QPSK-18700-1RB#0-Range4:1000~20000MHz



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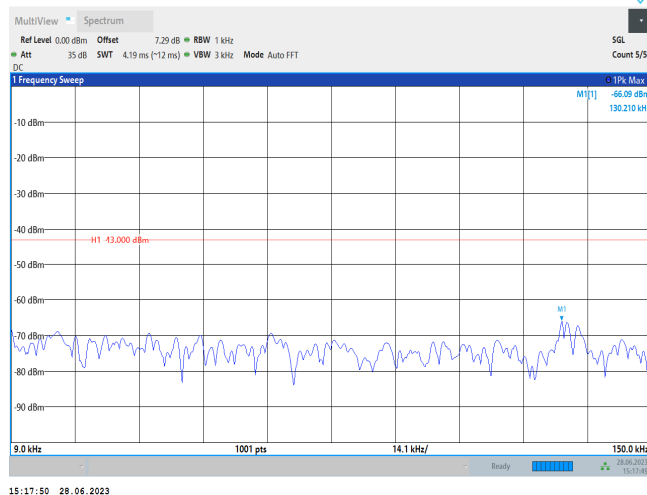


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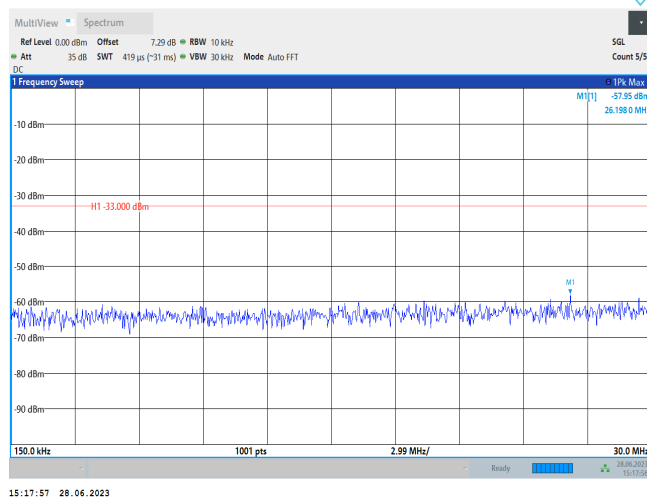
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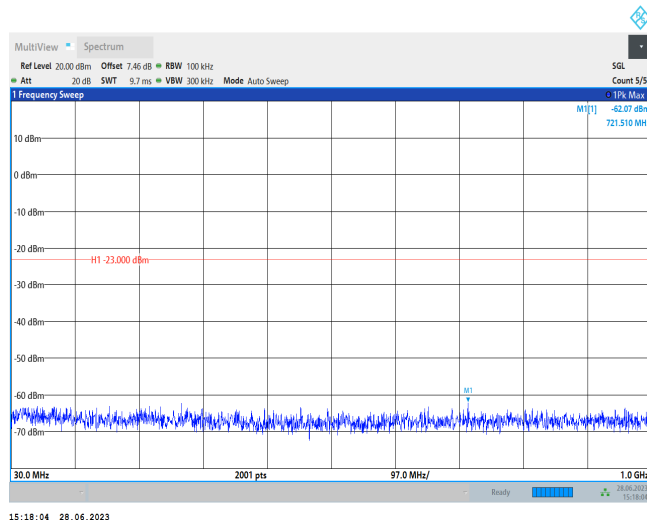
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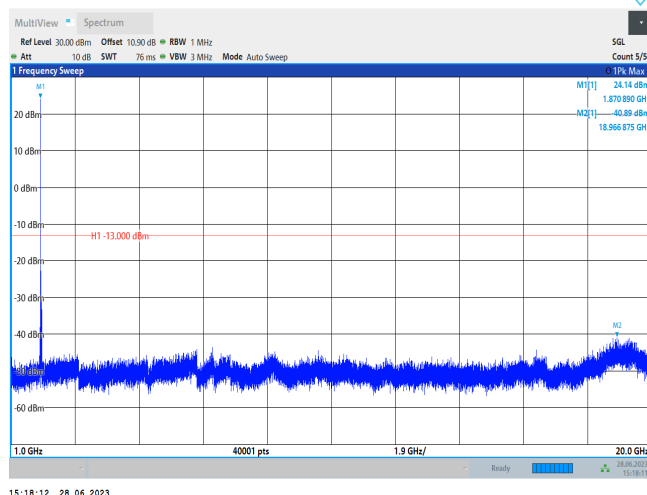
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Band2-20MHz-QPSK-18900-1RB#0-Range4:1000~20000MHz



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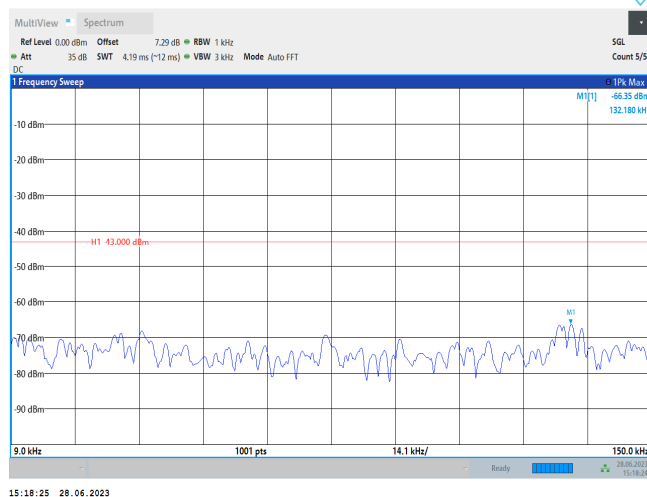
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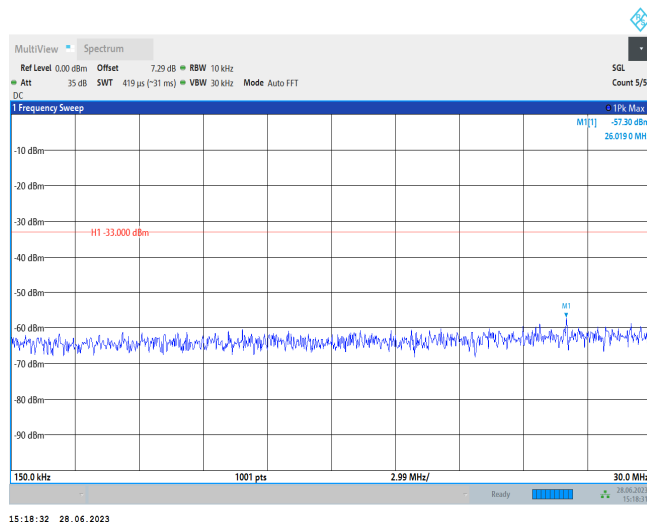
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



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



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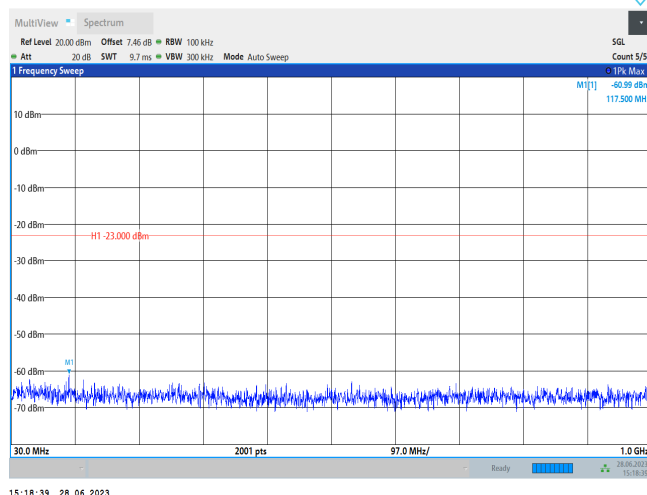
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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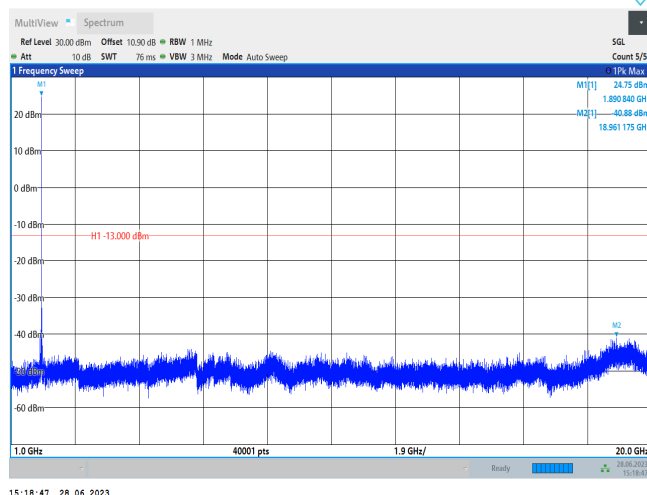
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Band2-20MHz-QPSK-19100-1RB#0-Range4:1000~20000MHz



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Field Strength of Spurious Radiation

Test Band = LTE_2_TM1_20MHz

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	2997.9998	39.28	-21.77	28.59	-49.16	-13.00	36.16	166	264	Horizontal
2	3933.6373	48.47	-44.19	29.83	-61.15	-13.00	48.15	321	313	Horizontal
3	6064.3226	47.32	-40.79	33.47	-55.26	-13.00	42.26	186	296	Horizontal
4	7731.7893	45.83	-37.67	36.55	-50.55	-13.00	37.55	254	260	Horizontal
5	11040.9216	45.76	-37.23	40.14	-46.59	-13.00	33.59	149	206	Horizontal
6	15203.8882	46.30	-35.33	39.71	-44.58	-13.00	31.58	332	73	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	2999.5555	38.90	-21.77	28.60	-49.53	-13.00	36.53	265	132	Vertical
2	3620.4248	48.79	-44.38	29.06	-61.79	-13.00	48.79	228	184	Vertical
3	5704.9082	48.01	-41.15	32.50	-55.90	-13.00	42.90	263	282	Vertical
4	7672.3869	46.21	-37.91	36.69	-50.27	-13.00	37.27	364	19	Vertical
5	9558.2623	45.29	-35.79	37.80	-47.96	-13.00	34.96	332	2	Vertical
6	15193.6877	46.53	-35.54	39.74	-44.53	-13.00	31.53	210	15	Vertical



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Test Band = LTE_2_TM1_20MHz
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	2799.7555	39.43	-21.83	28.30	-49.36	-13.00	36.36	199	90	Horizontal
2	3931.8373	49.15	-44.19	29.83	-60.47	-13.00	47.47	256	167	Horizontal
3	6062.5225	47.60	-40.81	33.47	-55.00	-13.00	42.00	334	220	Horizontal
4	7698.788	46.03	-37.58	36.80	-50.01	-13.00	37.01	152	291	Horizontal
5	11006.7203	45.61	-37.02	40.11	-46.56	-13.00	33.56	254	216	Horizontal
6	17995.7998	46.28	-43.07	48.12	-43.93	-13.00	30.93	150	335	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	2980.6645	39.26	-21.80	28.48	-49.32	-13.00	36.32	232	223	Vertical
2	4275.051	48.60	-43.45	29.65	-60.46	-13.00	47.46	224	332	Vertical
3	5146.2859	48.99	-42.53	31.78	-57.02	-13.00	44.02	148	47	Vertical
4	7695.1878	45.74	-37.62	36.78	-50.36	-13.00	37.36	355	225	Vertical
5	10959.9184	45.85	-37.16	40.14	-46.43	-13.00	33.43	251	127	Vertical
6	17997.5999	46.27	-43.06	48.16	-43.89	-13.00	30.89	110	247	Vertical



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Test Band = LTE_2_TM1_20MHz
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	2991.7769	39.07	-21.78	28.55	-49.42	-13.00	36.42	269	64	Horizontal
2	3919.8368	48.92	-44.19	29.78	-60.75	-13.00	47.75	334	2	Horizontal
3	7413.7766	46.62	-38.28	36.73	-50.19	-13.00	37.19	126	64	Horizontal
4	10963.5185	45.76	-37.14	40.14	-46.50	-13.00	33.50	332	234	Horizontal
5	15222.4889	46.42	-35.49	39.74	-44.59	-13.00	31.59	201	127	Horizontal
6	17988.5995	46.38	-43.13	47.99	-44.02	-13.00	31.02	140	167	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	2793.0881	39.56	-21.88	28.27	-49.31	-13.00	36.31	263	267	Vertical
2	3941.4377	49.05	-44.19	29.87	-60.53	-13.00	47.53	332	346	Vertical
3	6044.5218	47.53	-40.93	33.45	-55.21	-13.00	42.21	224	136	Vertical
4	7842.1937	46.09	-37.72	36.77	-50.12	-13.00	37.12	118	275	Vertical
5	9899.076	44.81	-34.97	38.59	-46.83	-13.00	33.83	229	257	Vertical
6	15193.0877	46.73	-35.56	39.74	-44.35	-13.00	31.35	346	64	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	14.66	0.007798	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	10.93	0.005814	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	12.25	0.006516	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	15.16	0.008064	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	11.47	0.006101	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	11.39	0.006059	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	17.32	0.009213	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	15.01	0.007984	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	12.77	0.006793	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	17.05	0.009069	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	13.33	0.007090	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	13.62	0.007245	PASS

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