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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	22.86	21.66	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.92	21.72	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.81	21.61	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.94	20.74	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.88	21.68	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.83	21.63	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.48	21.28	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.87	20.67	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.63	21.43	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.76	21.56	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.69	21.49	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.72	20.52	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.03	20.83	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.29	21.09	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.05	20.85	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.05	19.85	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.31	21.11	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.24	21.04	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.98	20.78	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.69	20.49	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.91	21.71	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.73	21.53	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.92	20.72	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.78	20.58	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	21.10	19.90	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	21.19	19.99	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#5	21.11	19.91	33.00	PASS



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Band2	1.4MHz	64QAM	18607	6RB#0	19.96	18.76	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	21.82	20.62	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	21.79	20.59	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	21.66	20.46	33.00	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	20.16	18.96	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	21.75	20.55	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	20.93	19.73	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	20.83	19.63	33.00	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	19.90	18.70	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.95	21.75	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.97	21.77	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.99	21.79	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.96	20.76	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.96	21.76	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.97	21.77	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.96	21.76	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.96	20.76	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.91	21.71	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.90	21.70	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.92	21.72	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.96	20.76	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.25	21.05	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.15	20.95	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.21	21.01	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.00	19.80	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.23	21.03	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.18	20.98	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.19	20.99	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.00	19.80	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.15	20.95	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.08	20.88	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.15	20.95	33.00	PASS



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Band2	3MHz	16QAM	19185	15RB#0	20.94	19.74	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#0	21.14	19.94	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#8	21.18	19.98	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#14	21.18	19.98	33.00	PASS
Band2	3MHz	64QAM	18615	15RB#0	19.99	18.79	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#0	21.18	19.98	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#8	21.13	19.93	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#14	21.13	19.93	33.00	PASS
Band2	3MHz	64QAM	18900	15RB#0	19.98	18.78	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#0	21.06	19.86	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#8	21.05	19.85	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#14	21.03	19.83	33.00	PASS
Band2	3MHz	64QAM	19185	15RB#0	19.94	18.74	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.87	21.67	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.09	21.89	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.88	21.68	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.99	20.79	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.78	21.58	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.63	21.43	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.56	21.36	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.36	21.16	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.65	21.45	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.98	21.78	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.03	20.83	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.86	20.66	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.08	20.88	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.44	21.24	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.10	20.90	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.02	19.82	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.26	20.06	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.45	20.25	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.35	20.15	33.00	PASS



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Band2	5MHz	16QAM	18900	25RB#0	21.19	19.99	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.84	20.64	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.21	21.01	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.32	20.12	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.03	19.83	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#0	21.05	19.85	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#12	21.30	20.10	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#24	21.10	19.90	33.00	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.01	18.81	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#0	20.05	18.85	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#12	20.31	19.11	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#24	20.36	19.16	33.00	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.09	18.89	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#0	20.68	19.48	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#12	20.18	18.98	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#24	20.29	19.09	33.00	PASS
Band2	5MHz	64QAM	19175	25RB#0	20.04	18.84	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.76	21.56	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.89	21.69	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.39	21.19	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.86	21.66	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.39	21.19	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.43	21.23	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.47	21.27	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.67	21.47	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.86	21.66	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.77	21.57	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.89	21.69	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.65	21.45	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.73	20.53	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.59	20.39	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.51	20.31	33.00	PASS



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Band2	10MHz	16QAM	18650	50RB#0	21.36	20.16	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.46	20.26	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.66	20.46	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.57	20.37	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.19	19.99	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.47	20.27	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.56	20.36	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.73	20.53	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.66	20.46	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#0	20.21	19.01	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#24	20.92	19.72	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#49	20.16	18.96	33.00	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.58	19.38	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#0	20.37	19.17	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#24	20.43	19.23	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#49	20.59	19.39	33.00	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.18	18.98	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#0	20.27	19.07	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#24	20.73	19.53	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#49	20.06	18.86	33.00	PASS
Band2	10MHz	64QAM	19150	50RB#0	20.03	18.83	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.53	21.33	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.63	21.43	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.79	21.59	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.63	21.43	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.76	21.56	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.68	21.48	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.79	21.59	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.87	21.67	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.78	21.58	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.73	21.53	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.65	21.45	33.00	PASS



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Band2	15MHz	QPSK	19125	75RB#0	22.37	21.17	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.62	20.42	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.48	20.28	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.39	20.19	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.53	20.33	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.29	20.09	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.58	20.38	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.81	20.61	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.43	20.23	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.65	20.45	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.76	20.56	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.51	20.31	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.63	20.43	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#0	20.76	19.56	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#38	20.49	19.29	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#74	20.54	19.34	33.00	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.63	19.43	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#0	20.81	19.61	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#38	20.39	19.19	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#74	19.93	18.73	33.00	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.59	19.39	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#0	20.14	18.94	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#38	20.41	19.21	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#74	19.77	18.57	33.00	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.13	18.93	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.98	21.78	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.64	21.44	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.86	21.66	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.81	21.61	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.72	21.52	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.69	21.49	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.02	21.82	33.00	PASS



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Band2	20MHz	QPSK	18900	100RB#0	22.76	21.56	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.83	21.63	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.99	21.79	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.02	21.82	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.67	21.47	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.49	20.29	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.69	20.49	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.56	20.36	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.65	20.45	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.41	20.21	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.44	20.24	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.37	20.17	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.73	19.53	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.13	19.93	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.03	19.83	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.36	20.16	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.22	20.02	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#0	20.13	18.93	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#49	20.28	19.08	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#99	20.42	19.22	33.00	PASS
Band2	20MHz	64QAM	18700	100RB#0	20.61	19.41	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#0	20.69	19.49	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#49	20.11	18.91	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#99	20.05	18.85	33.00	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.46	19.26	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#0	20.33	19.13	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#49	19.90	18.70	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#99	20.14	18.94	33.00	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.26	19.06	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	5.52	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.58	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.72	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.24	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.34	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.36	13	PASS
Band2	20MHz	64QAM	18700	100RB#0	6.48	13	PASS
Band2	20MHz	64QAM	18900	100RB#0	6.48	13	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.66	13	PASS



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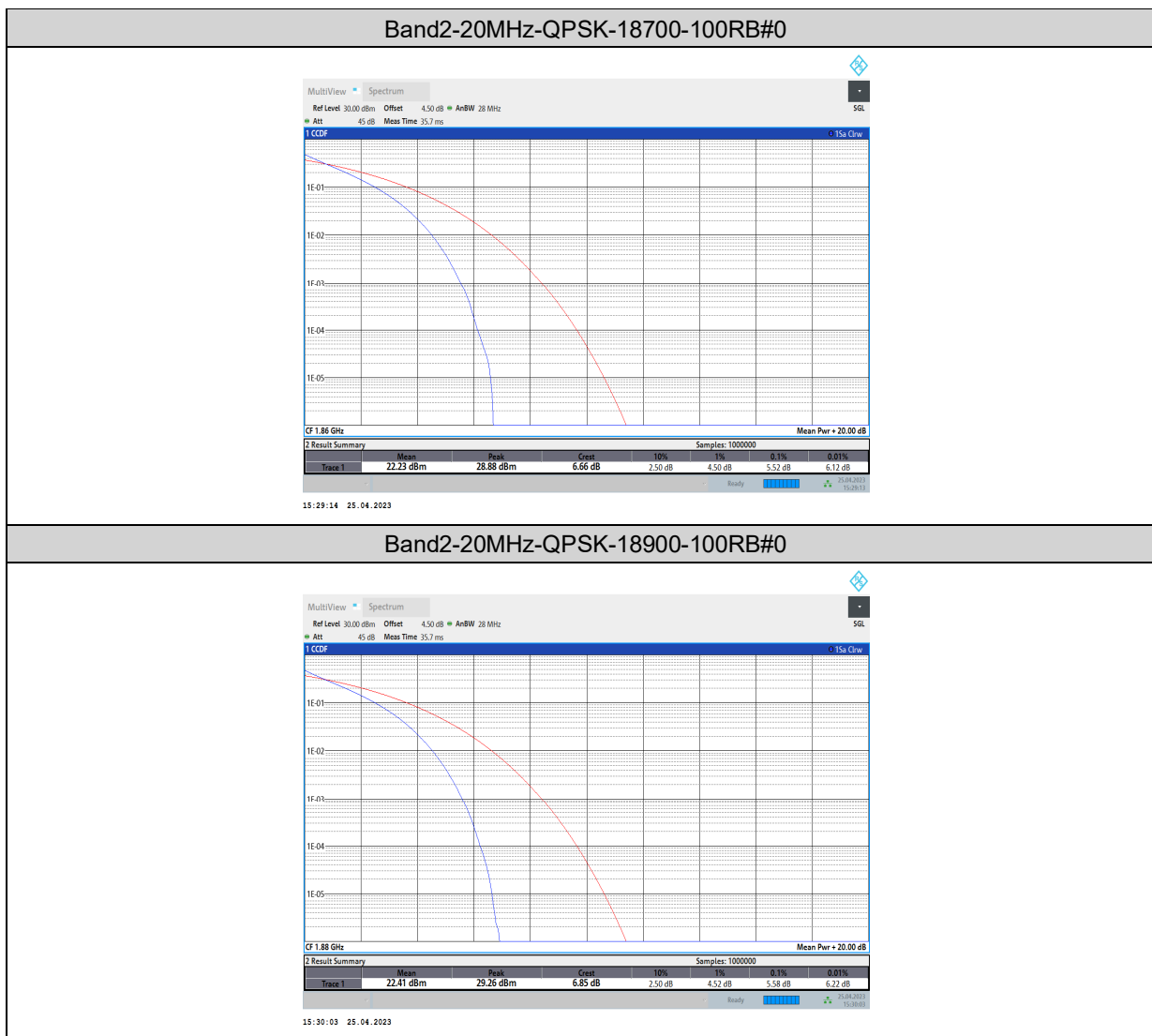
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Test Graphs



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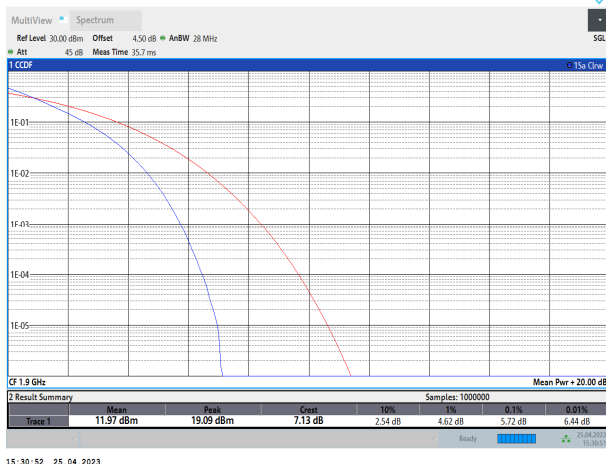
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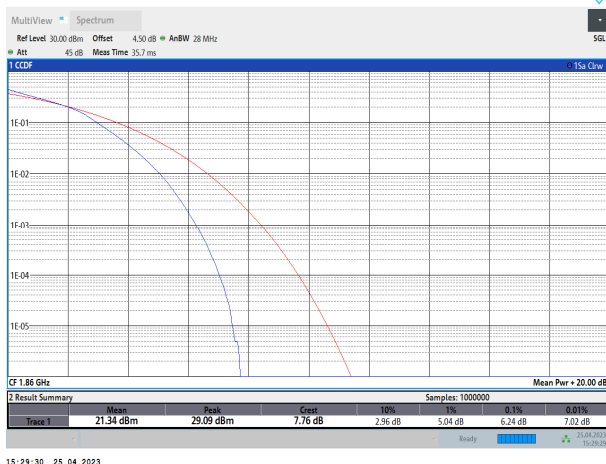
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Band2-20MHz-QPSK-19100-100RB#0



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



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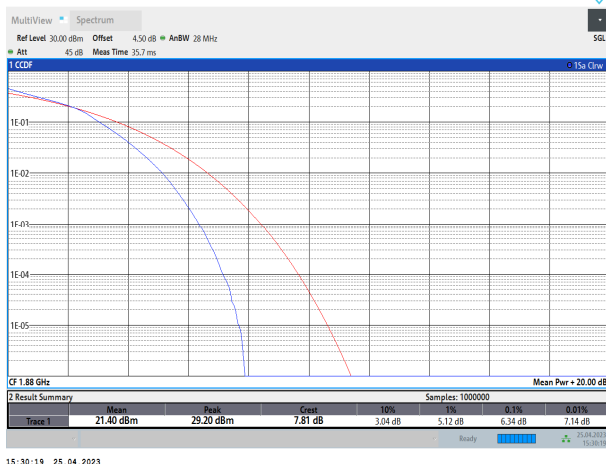
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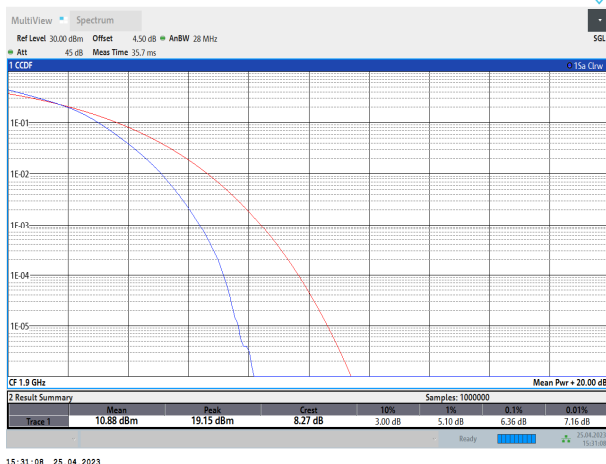
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Band2-20MHz-16QAM-18900-100RB#0



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



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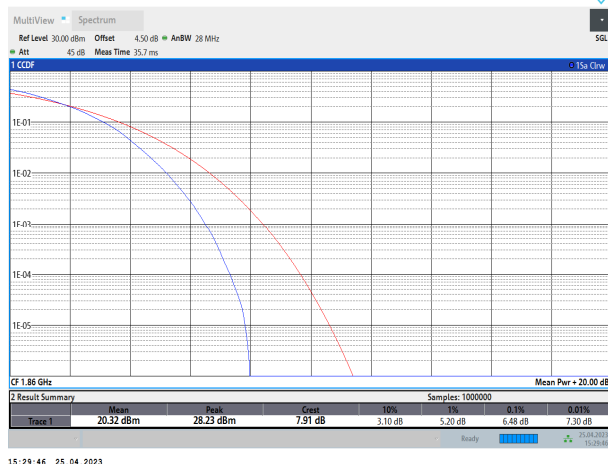
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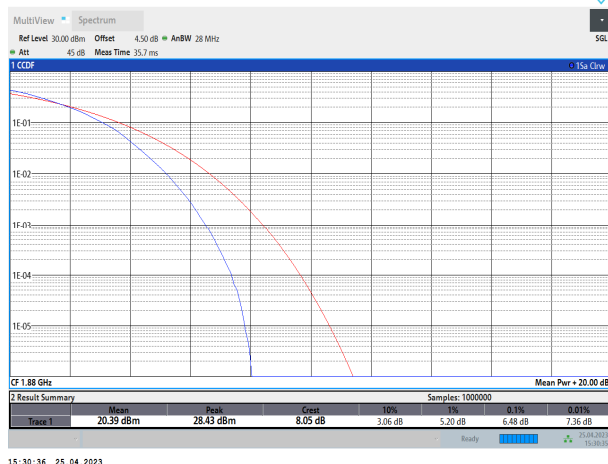
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Band2-20MHz-64QAM-18700-100RB#0



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



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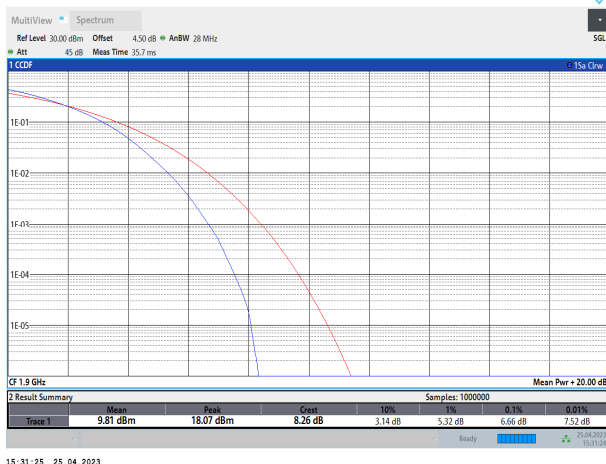
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Band2-20MHz-64QAM-19100-100RB#0



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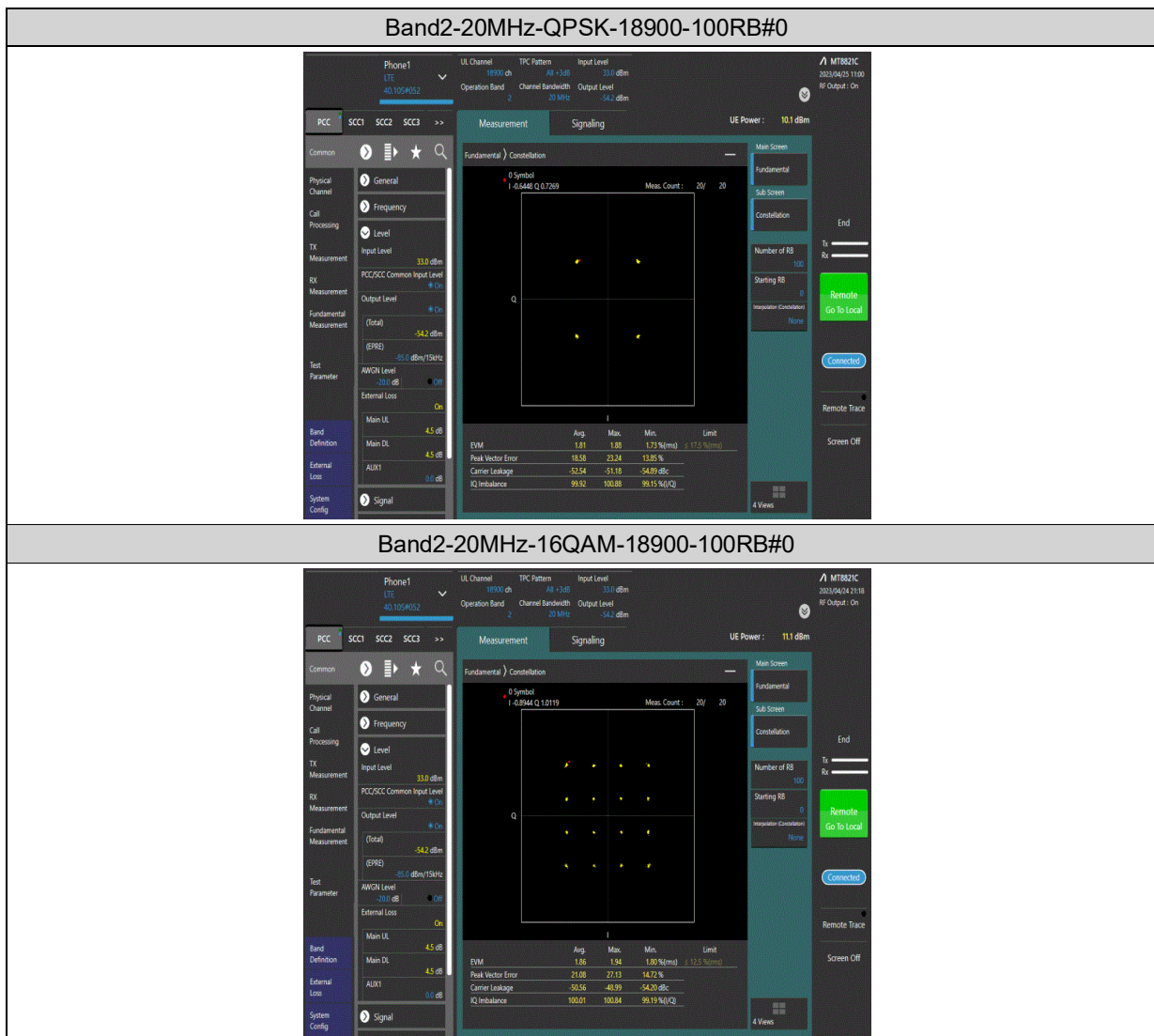
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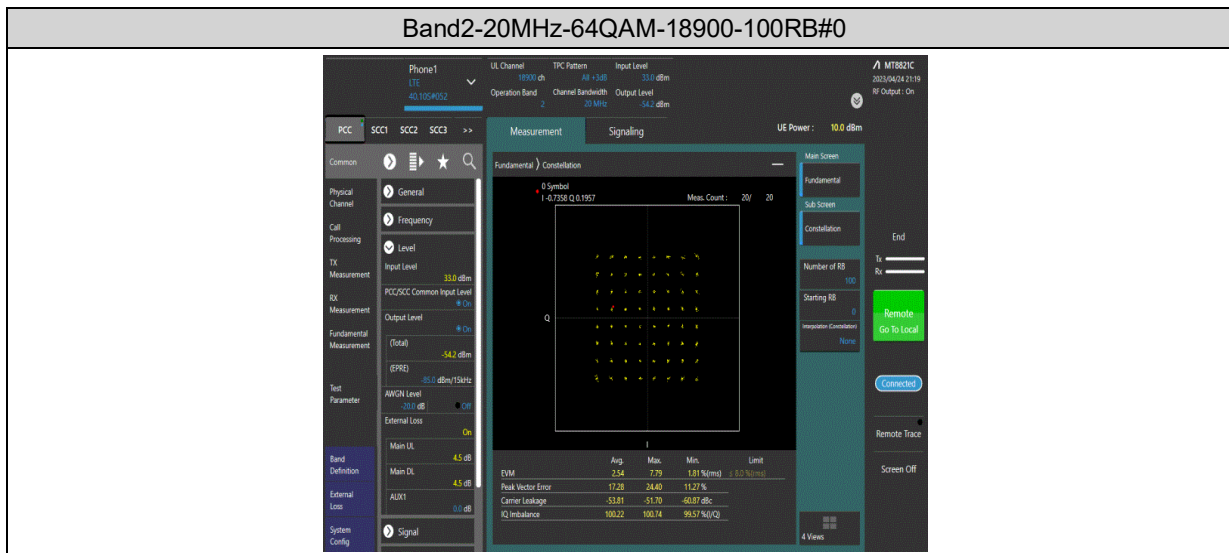
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Band2-20MHz-64QAM-18900-100RB#0



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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	1.080	1.27	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.082	1.25	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.082	1.27	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.096	1.28	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.091	1.30	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.087	1.28	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.085	1.26	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.095	1.28	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.094	1.28	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.688	2.90	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.673	2.87	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.683	2.87	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.677	2.89	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.689	2.89	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.688	2.88	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.681	2.88	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.685	2.89	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.679	2.87	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.468	4.80	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.455	4.78	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.448	4.74	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.464	4.77	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.463	4.78	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.461	4.75	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.482	4.78	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.476	4.84	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.467	4.75	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.951	9.50	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.935	9.50	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.924	9.52	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.944	9.52	PASS



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Band2	10MHz	16QAM	18900	50RB#0	8.953	9.60	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.935	9.44	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.943	9.54	PASS
Band2	10MHz	64QAM	18900	50RB#0	8.936	9.58	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.942	9.54	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.445	14.46	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.469	14.40	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.467	14.55	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.433	14.58	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.466	14.49	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.441	14.67	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.444	14.52	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.483	14.58	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.387	14.55	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.838	18.88	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.932	18.92	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.903	19.08	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.860	19.20	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.879	19.04	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.849	19.08	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.871	19.08	PASS
Band2	20MHz	64QAM	18900	100RB#0	17.898	19.16	PASS
Band2	20MHz	64QAM	19100	100RB#0	17.845	18.92	PASS



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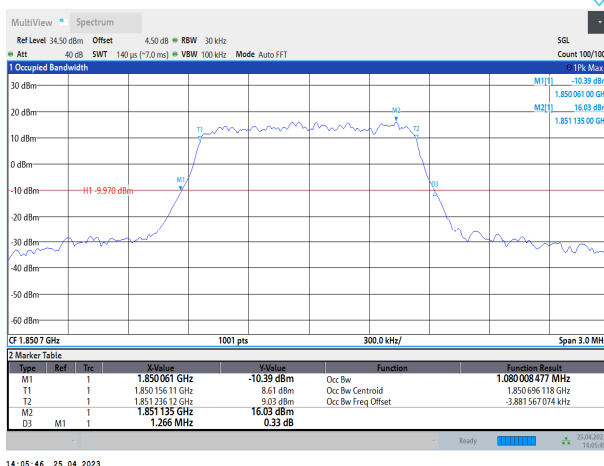
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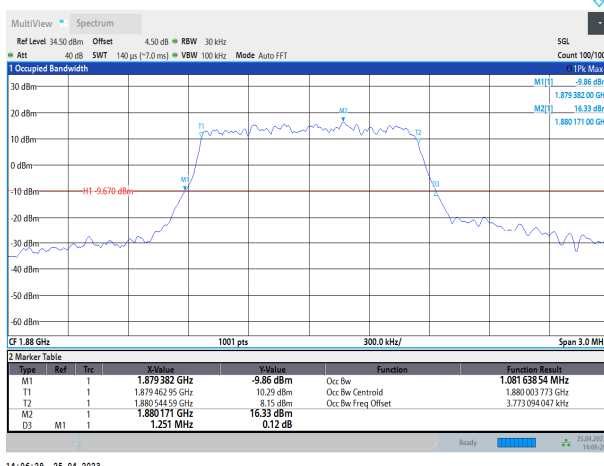
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Test Graphs

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



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



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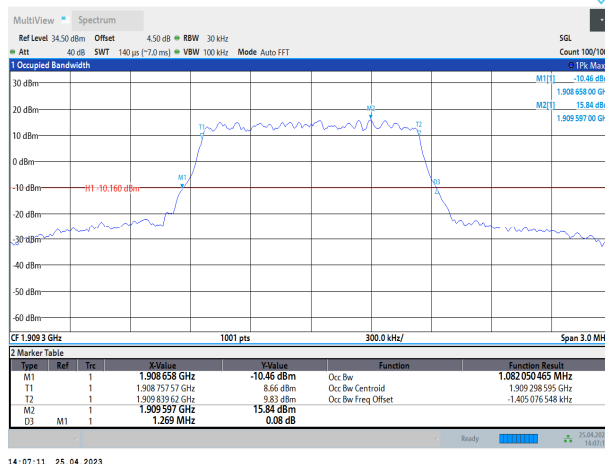
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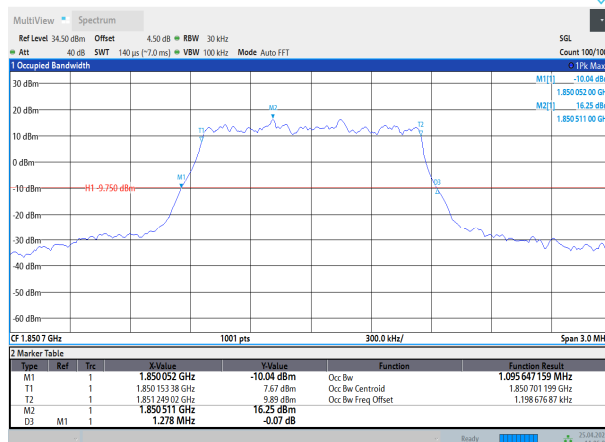
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Band2-1.4MHz-QPSK-19193-6RB#0



14:07:11 25.04.2023

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



14:06:00 25.04.2023



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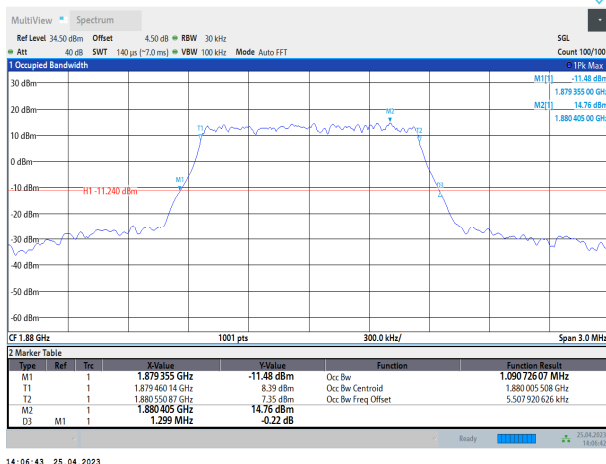
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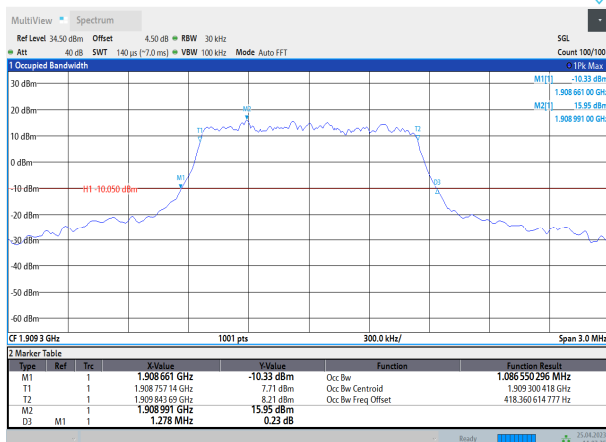
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Band2-1.4MHz-16QAM-18900-6RB#0



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



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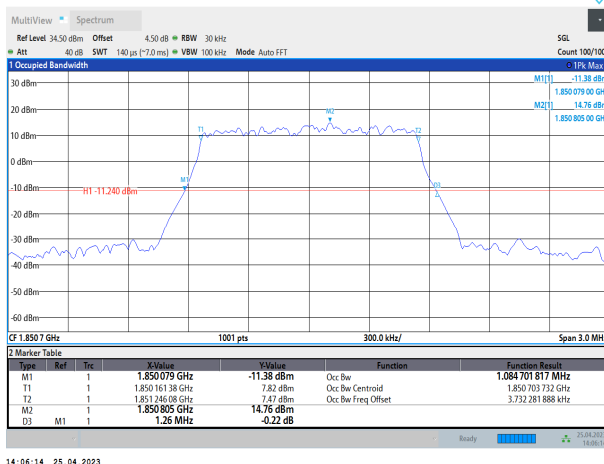
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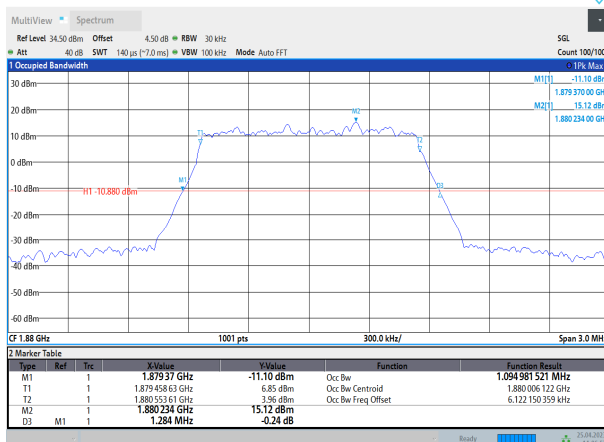
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Band2-1.4MHz-64QAM-18607-6RB#0



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



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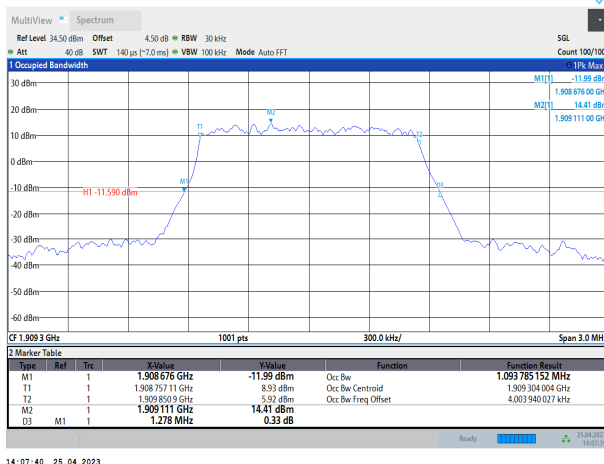
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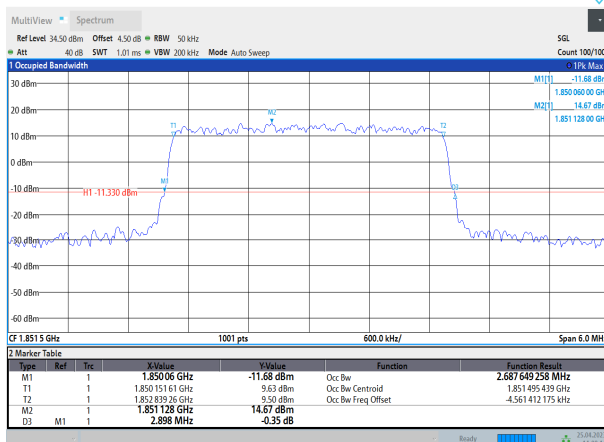
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Band2-1.4MHz-64QAM-19193-6RB#0



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



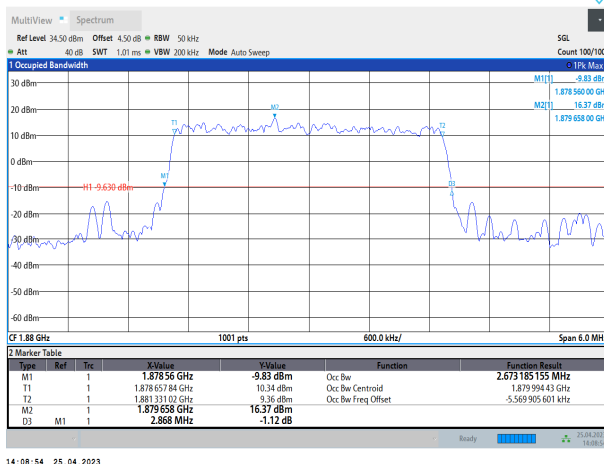
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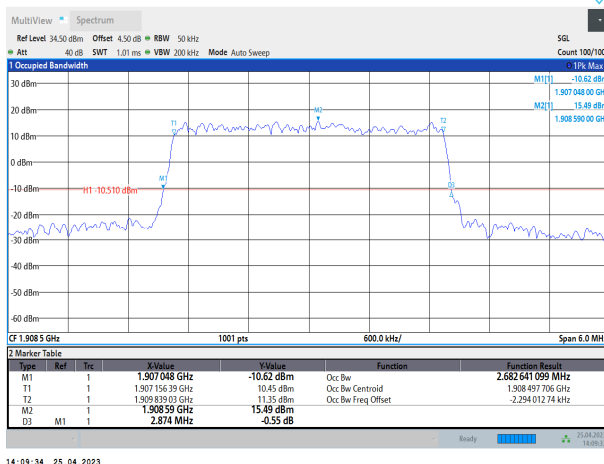
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Band2-3MHz-QPSK-18900-15RB#0



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

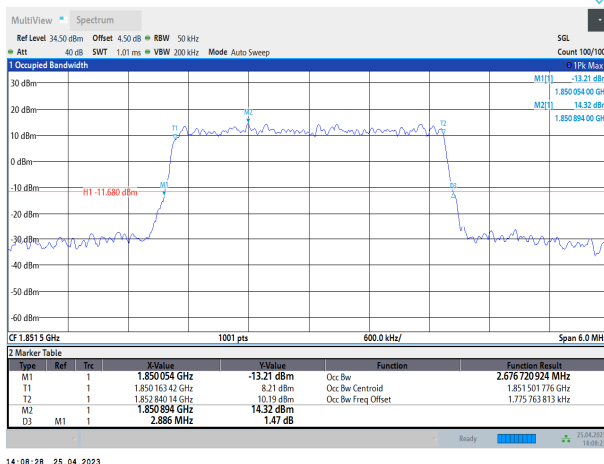


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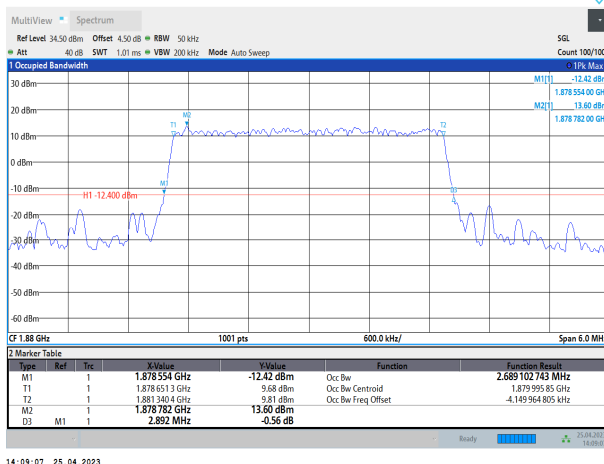
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Band2-3MHz-16QAM-18615-15RB#0



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



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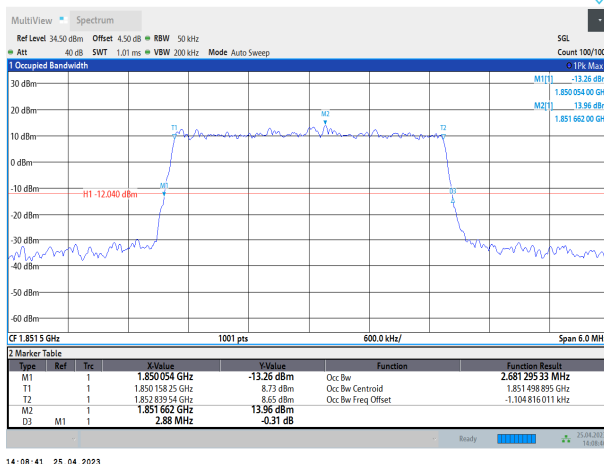
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Band2-3MHz-16QAM-19185-15RB#0



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

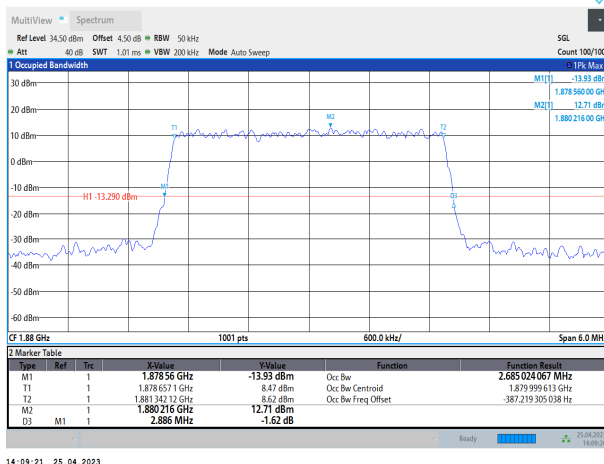


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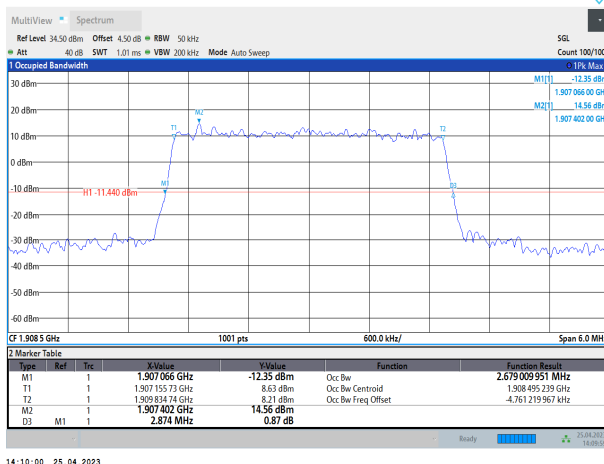
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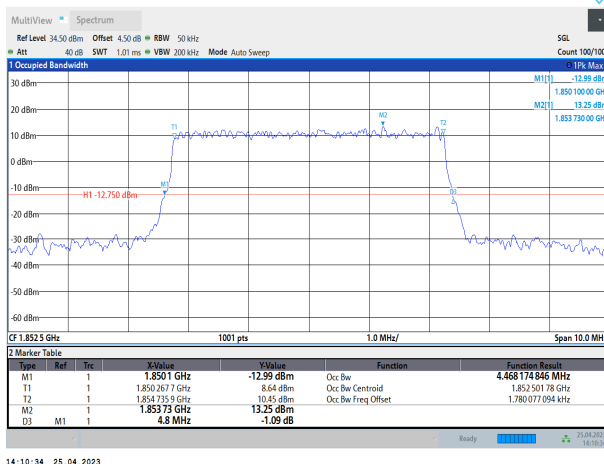


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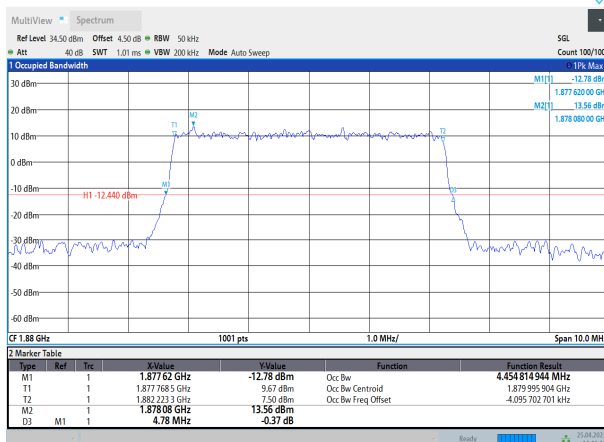
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Band2-5MHz-QPSK-18625-25RB#0



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



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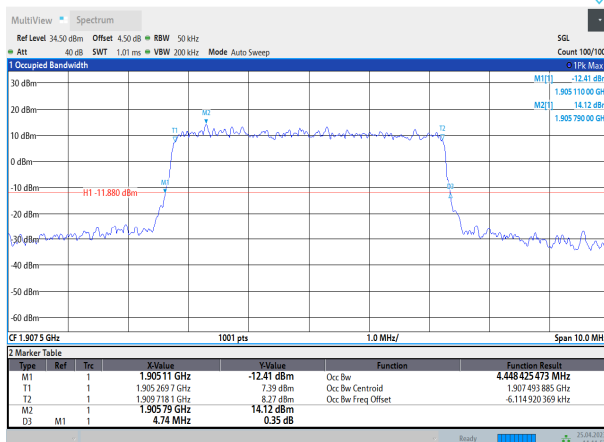
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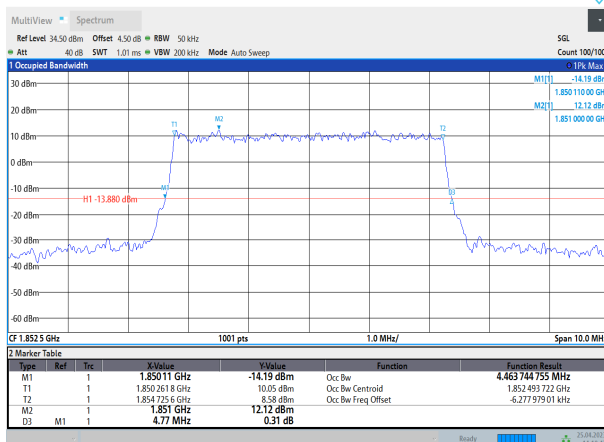
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Band2-5MHz-QPSK-19175-25RB#0



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



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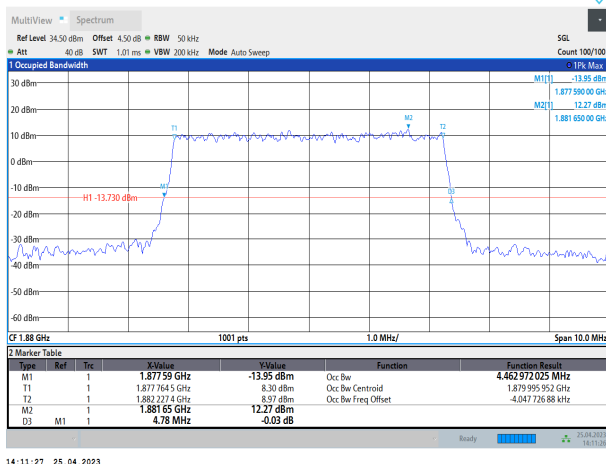
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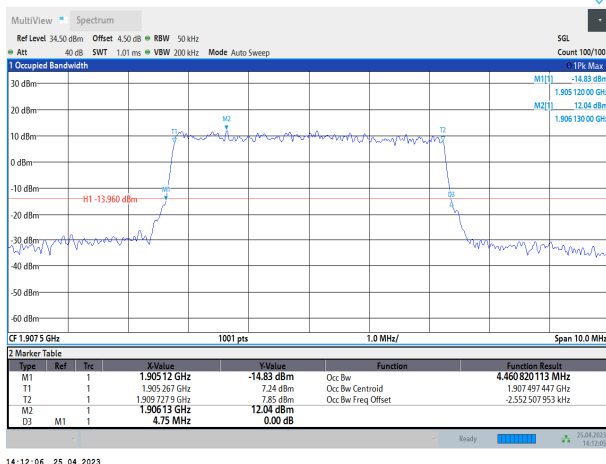
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Band2-5MHz-16QAM-18900-25RB#0



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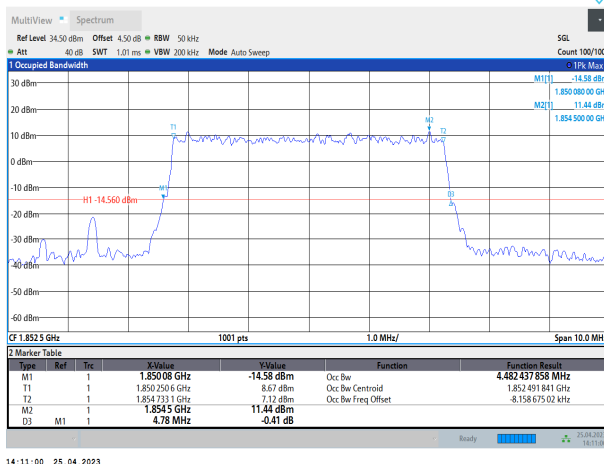
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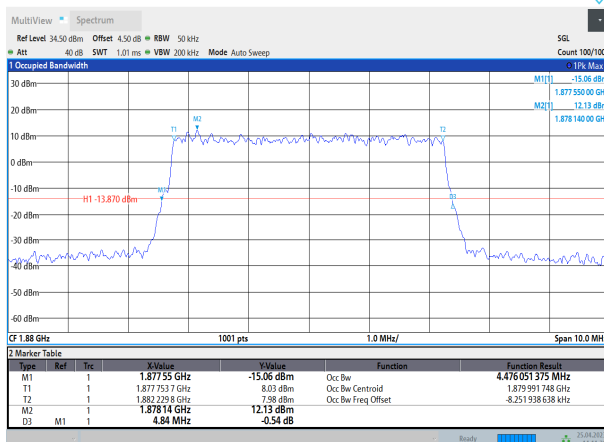
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Band2-5MHz-64QAM-18625-25RB#0



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



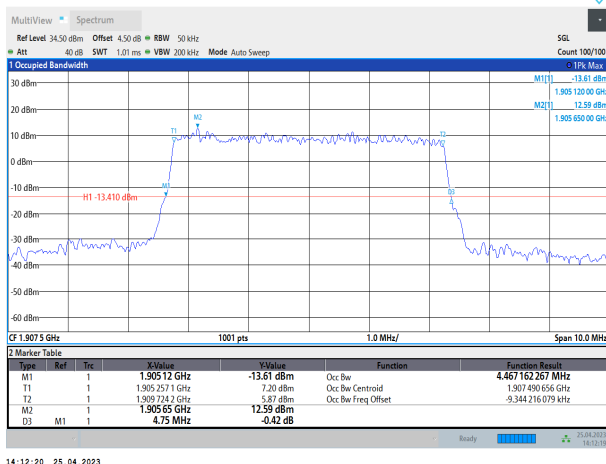
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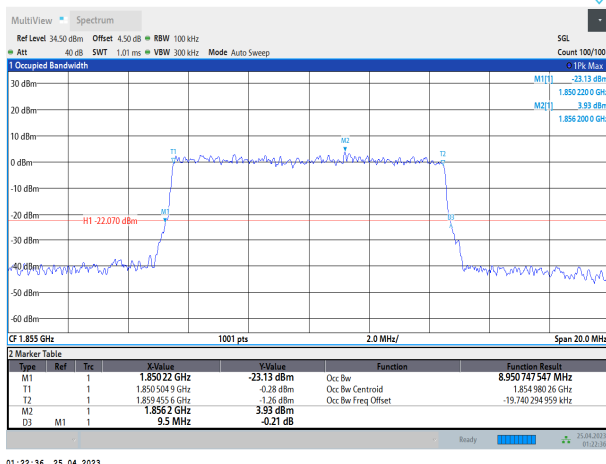
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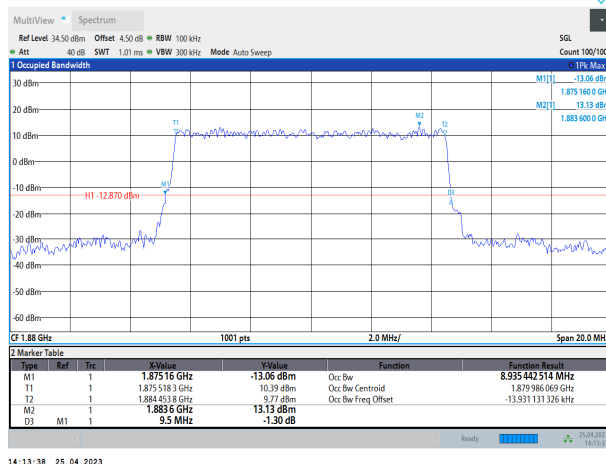


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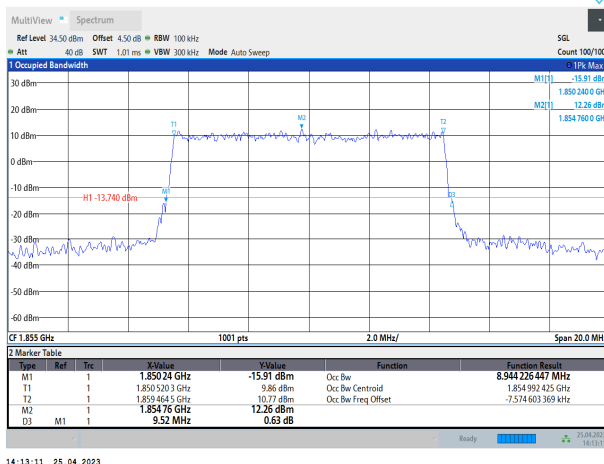


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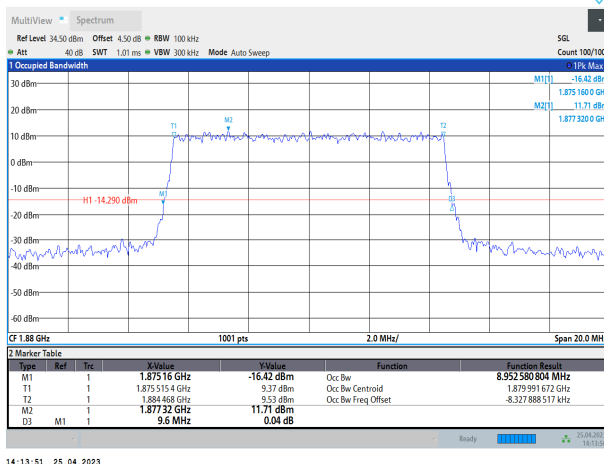
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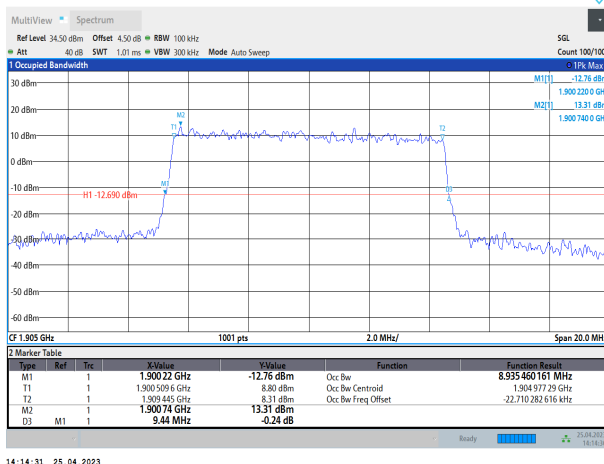
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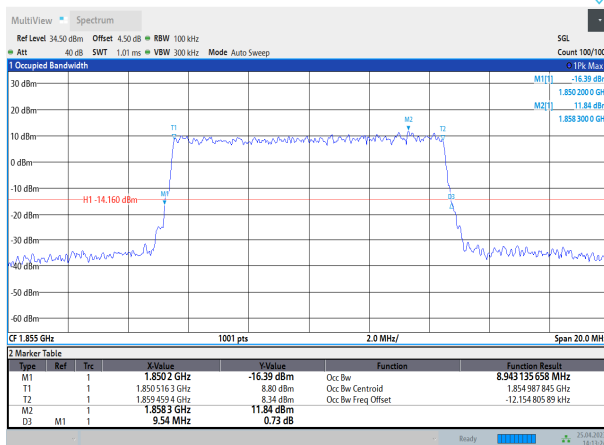
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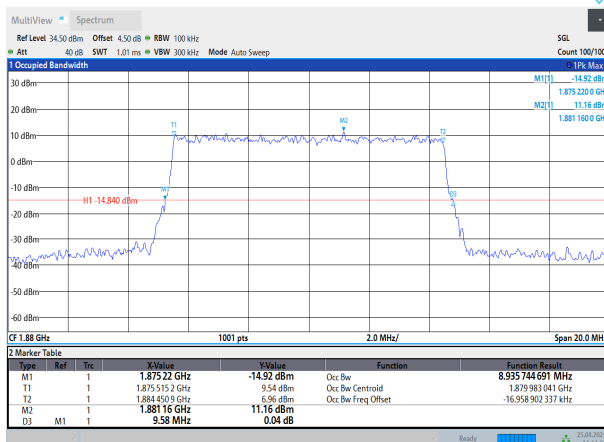
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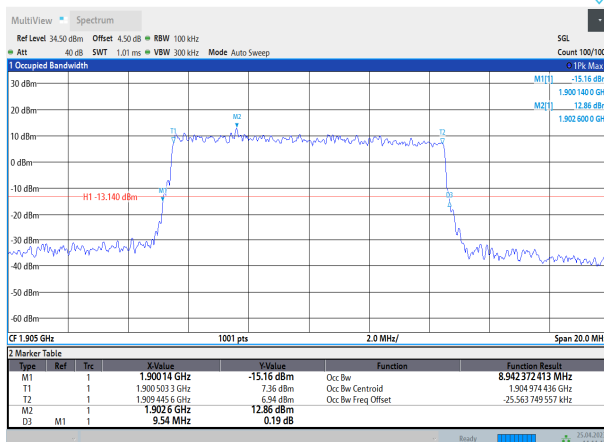
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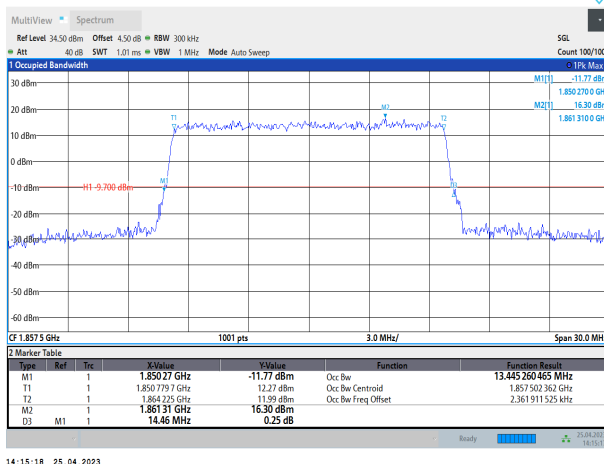
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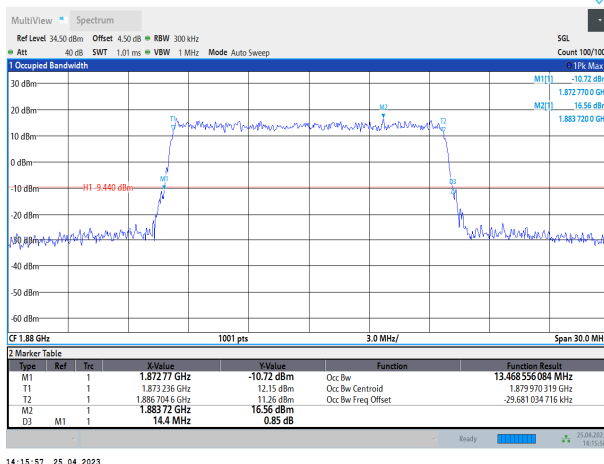
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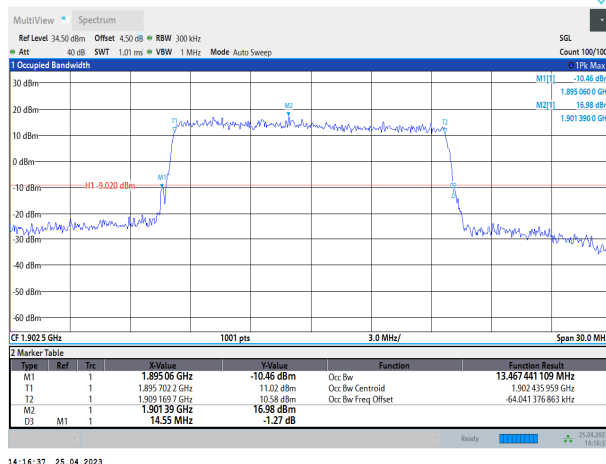


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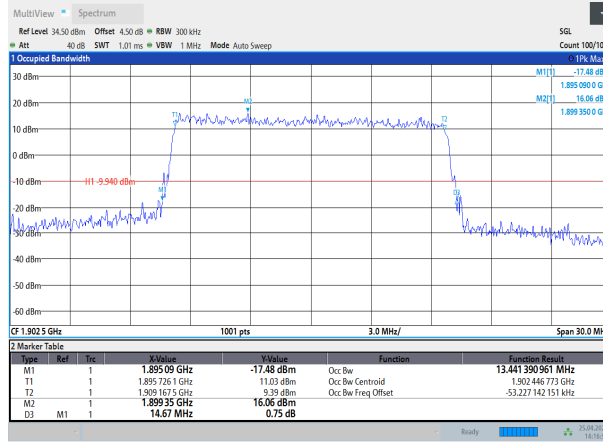
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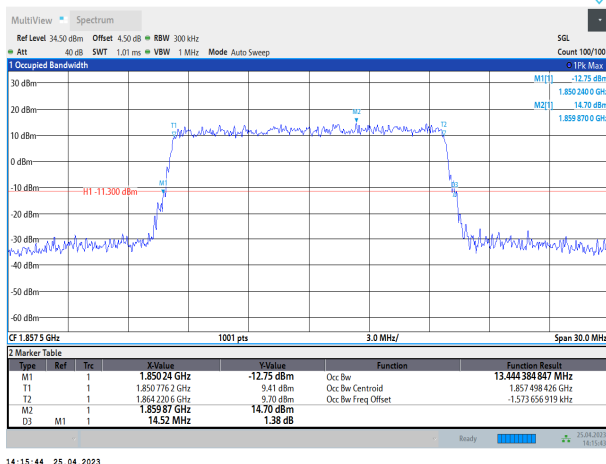
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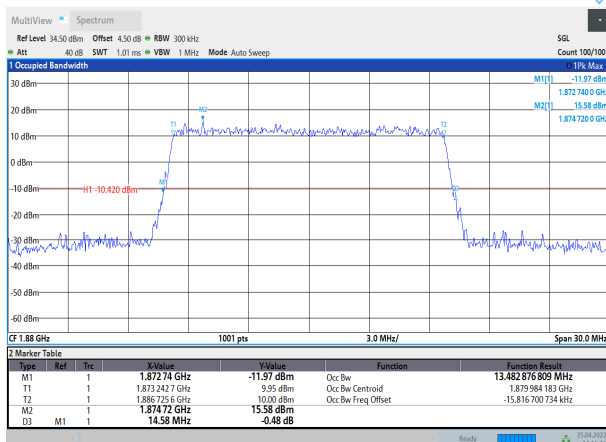
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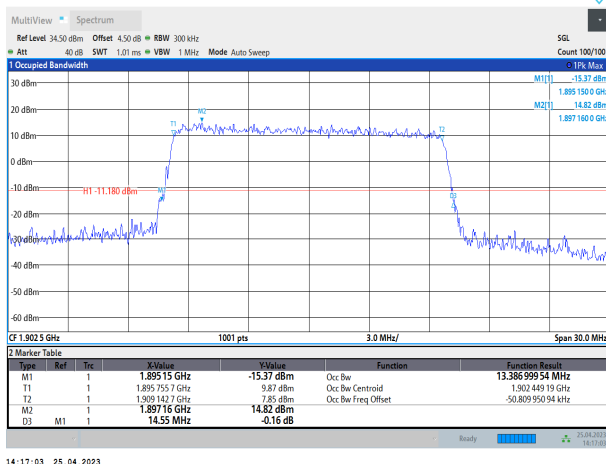
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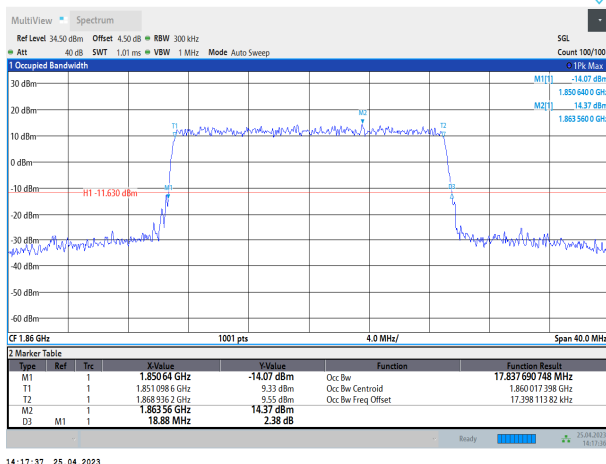
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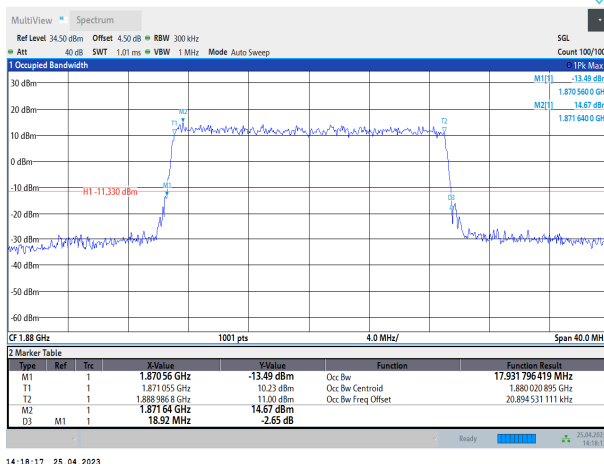
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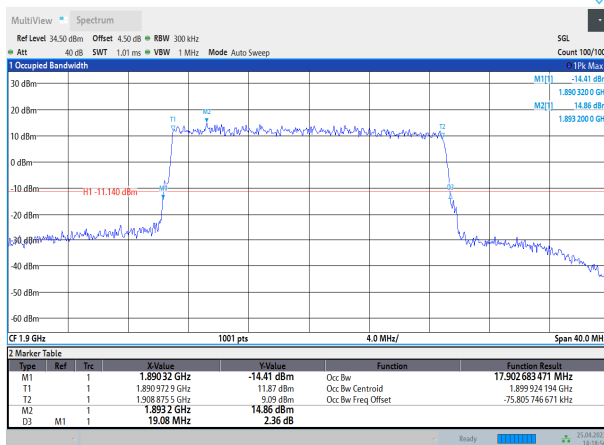
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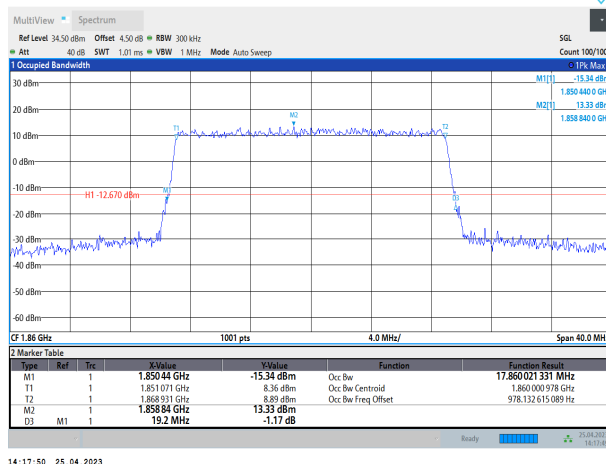
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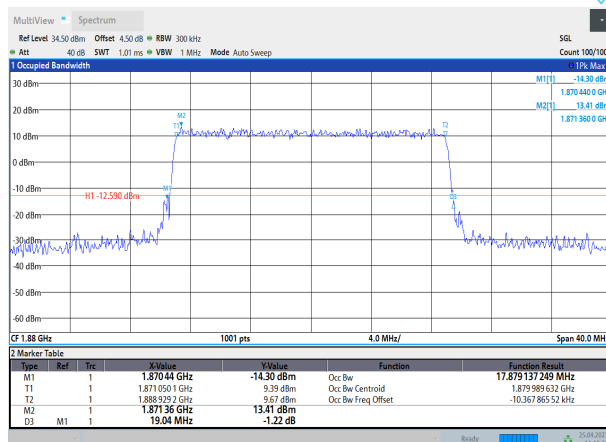
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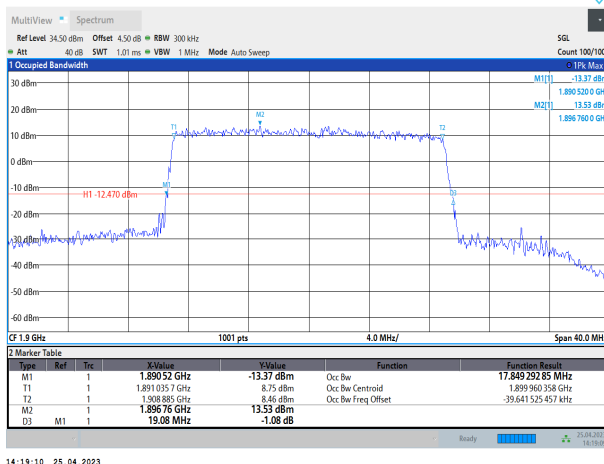
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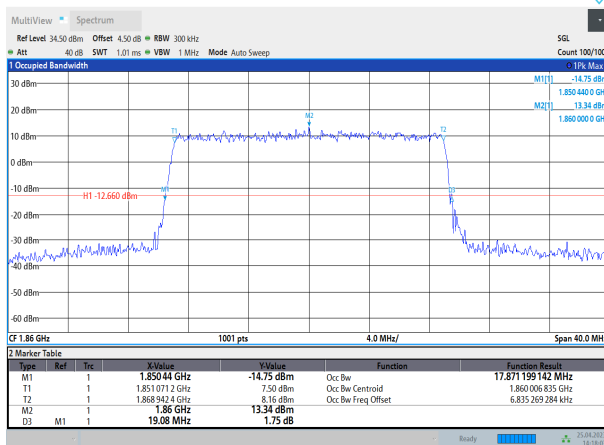
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14:19:10 25.04.2023

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



14:18:04 25.04.2023



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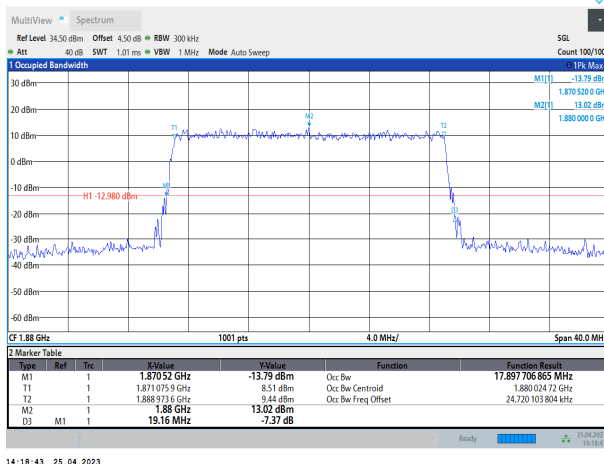
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Band2-20MHz-64QAM-18900-100RB#0



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



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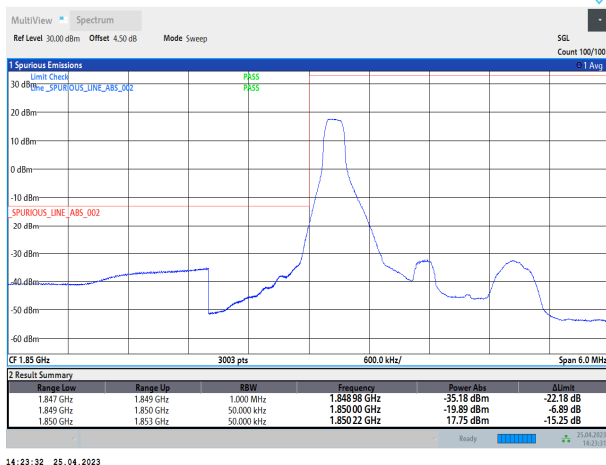
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Band Edge

Test Graphs

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



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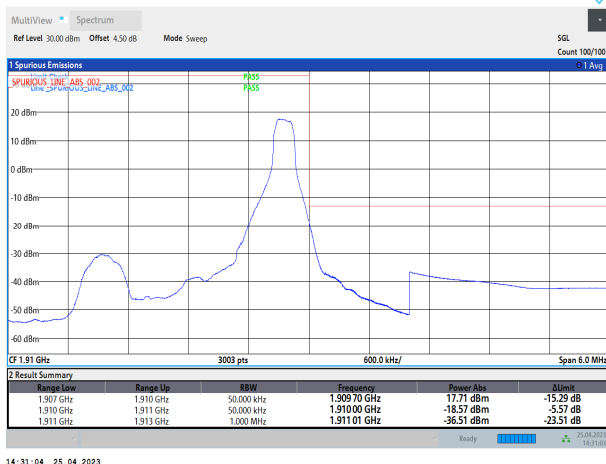
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Band2-1.4MHz-QPSK-19193-1RB#5



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



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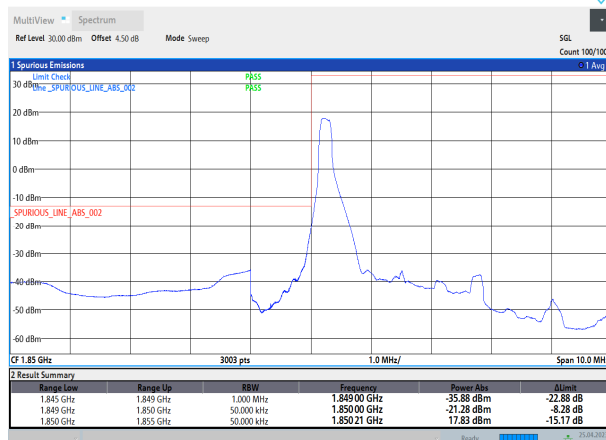
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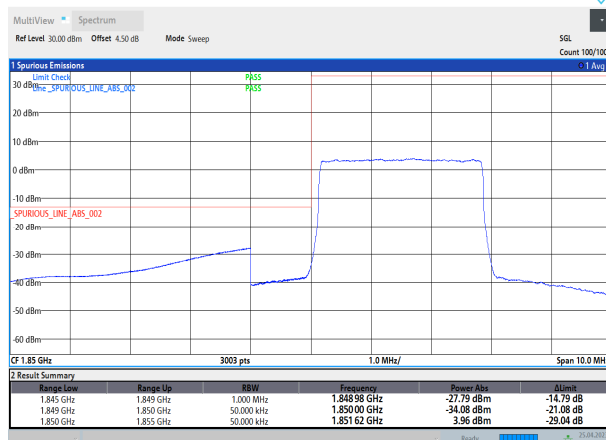
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Band2-3MHz-QPSK-18615-1RB#0



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



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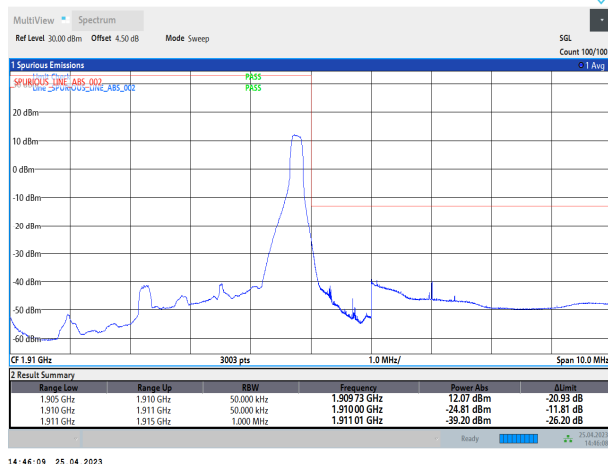
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Band2-3MHz-QPSK-19185-1RB#14



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



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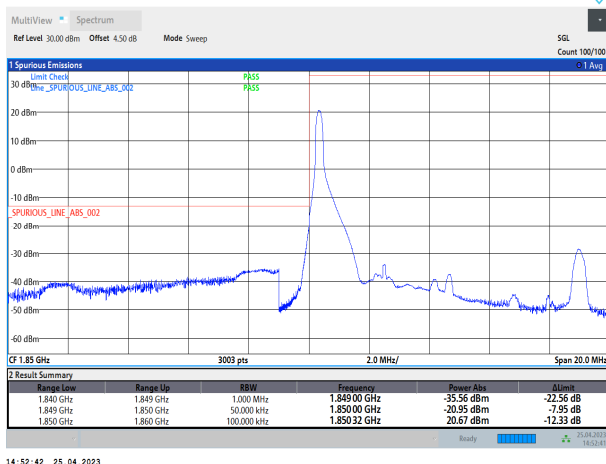
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Band2-5MHz-QPSK-18625-1RB#0



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



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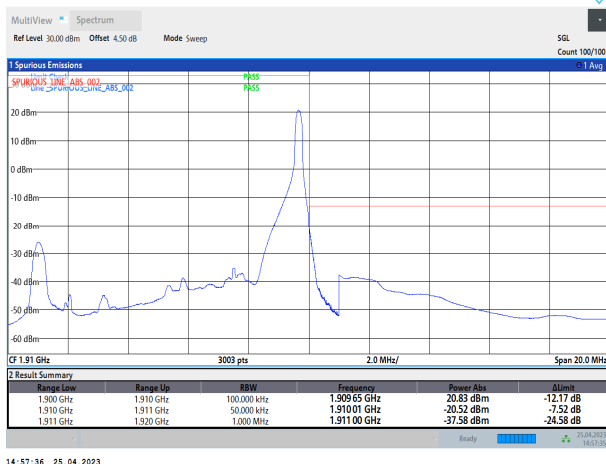
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Band2-5MHz-QPSK-19175-25RB#0



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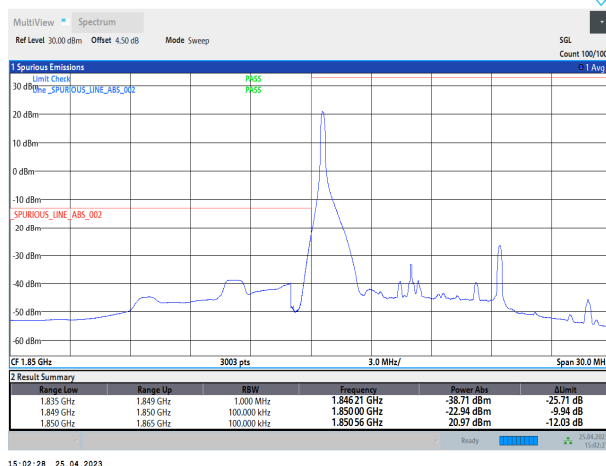
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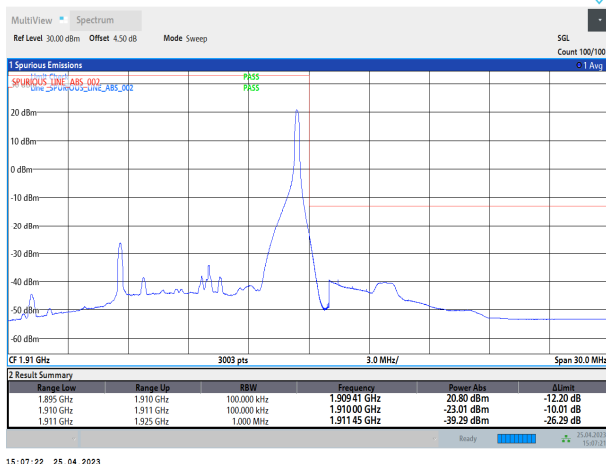
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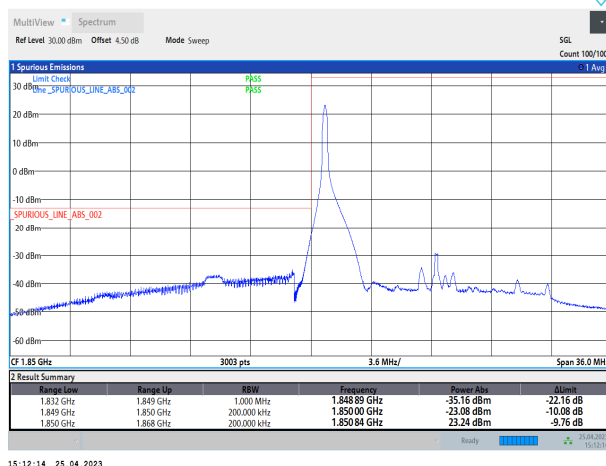
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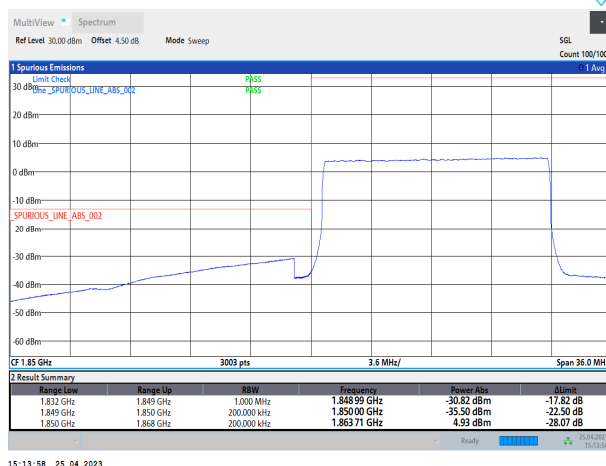
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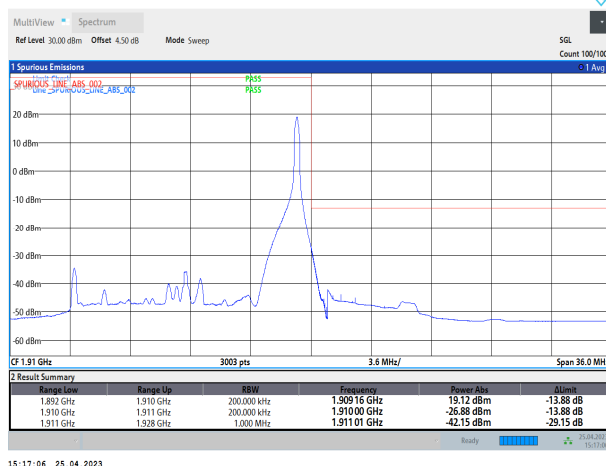
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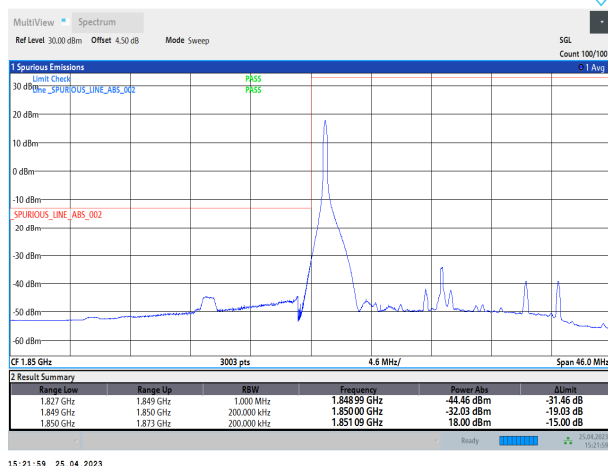


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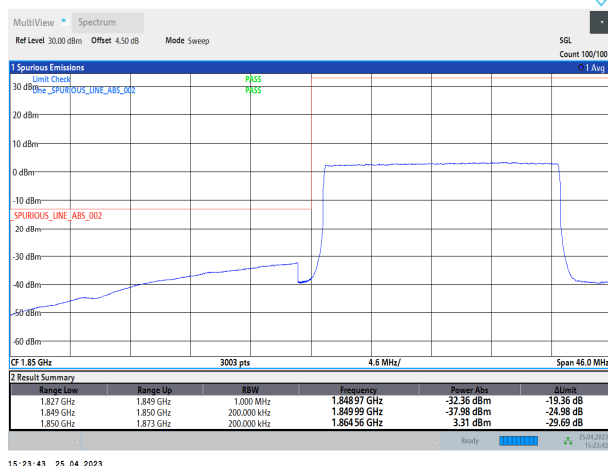
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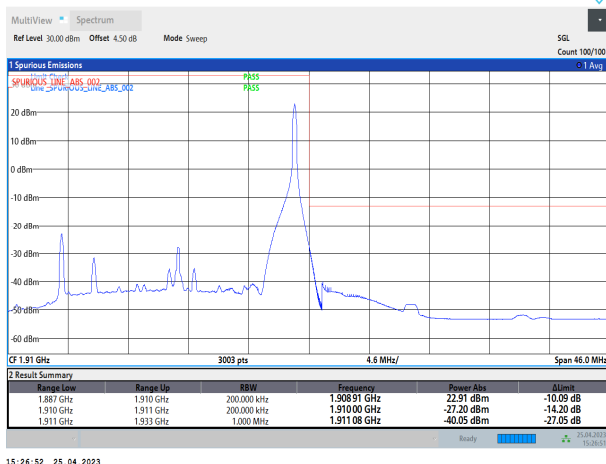
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Band2-20MHz-QPSK-19100-100RB#0



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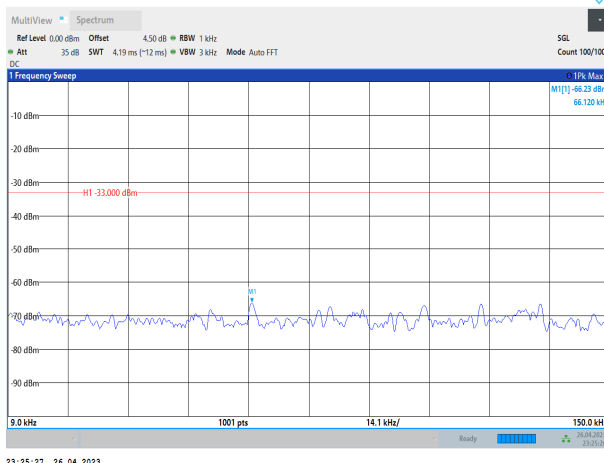
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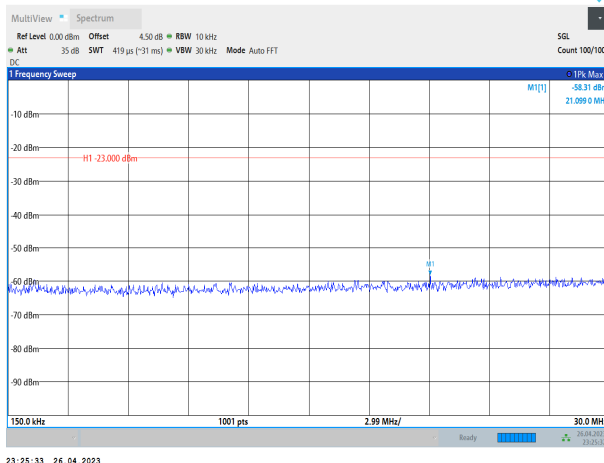
Conducted Spurious Emission

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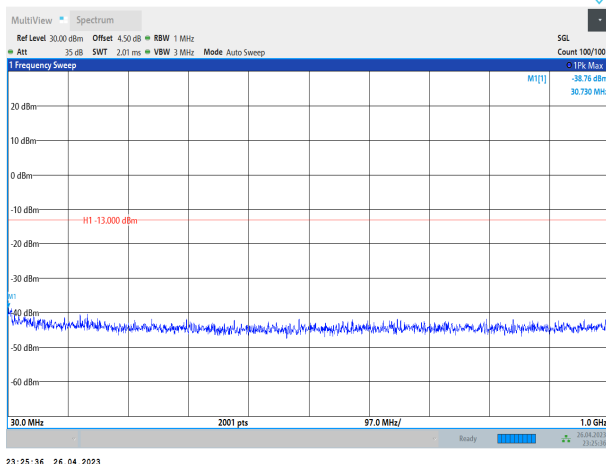
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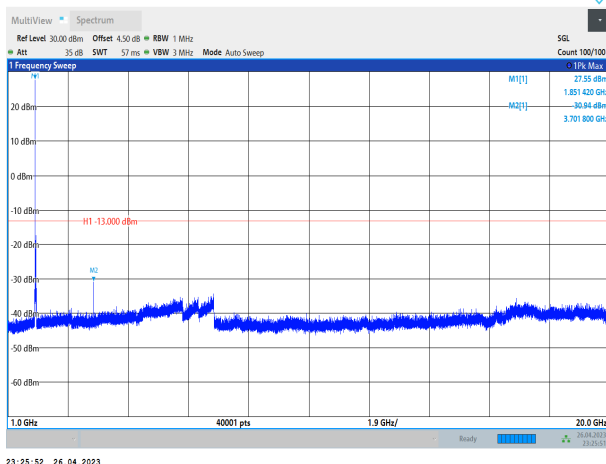
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



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



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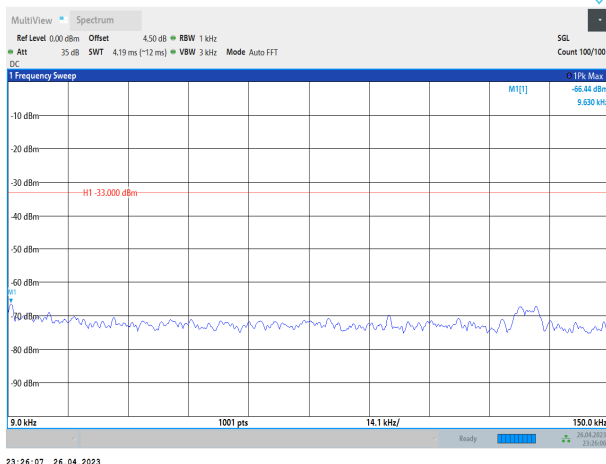


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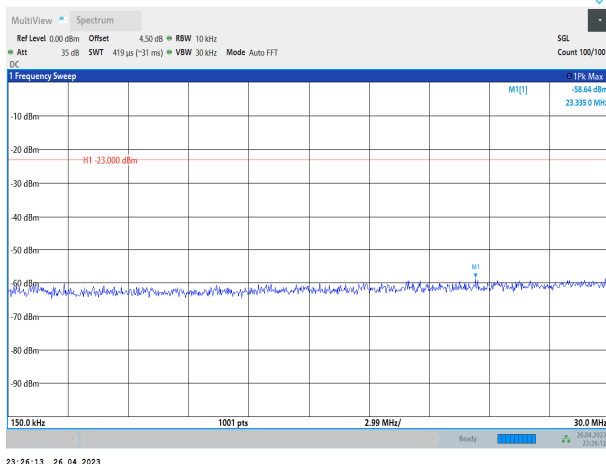
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



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



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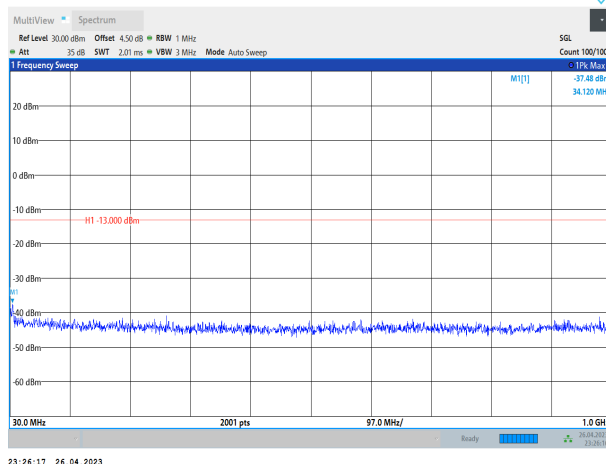
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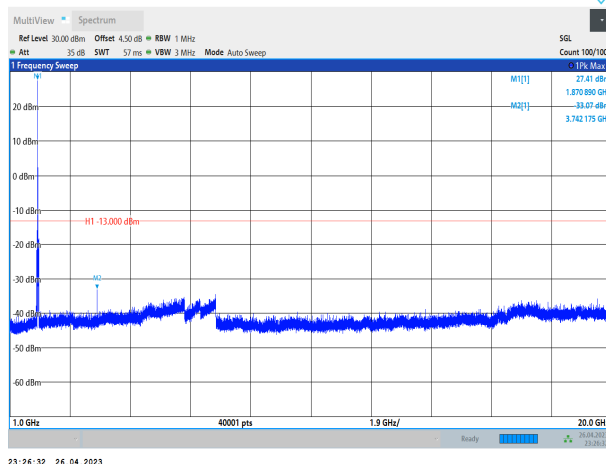
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



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



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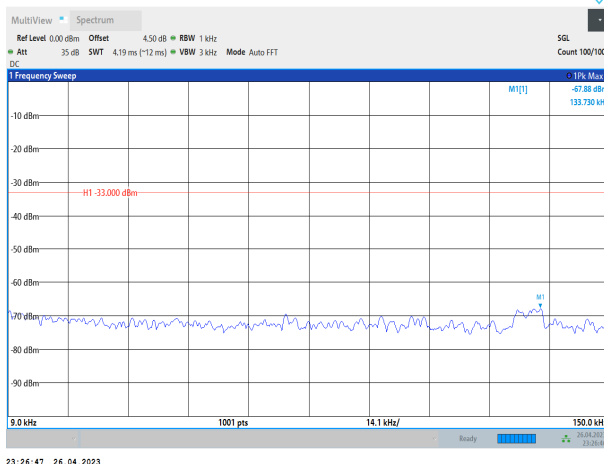
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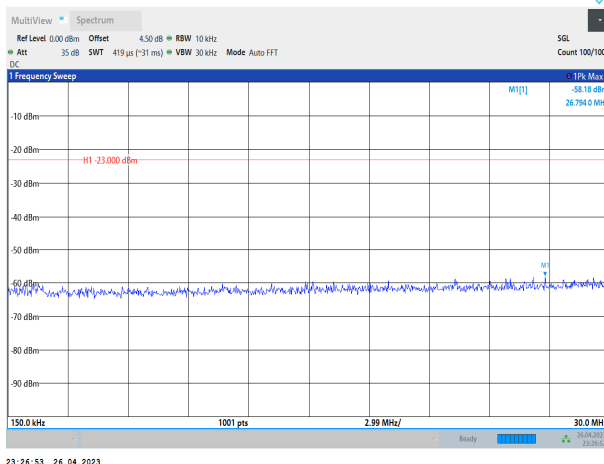
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



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



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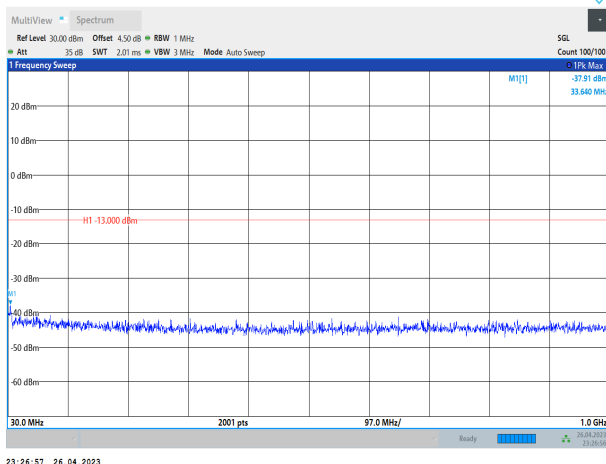
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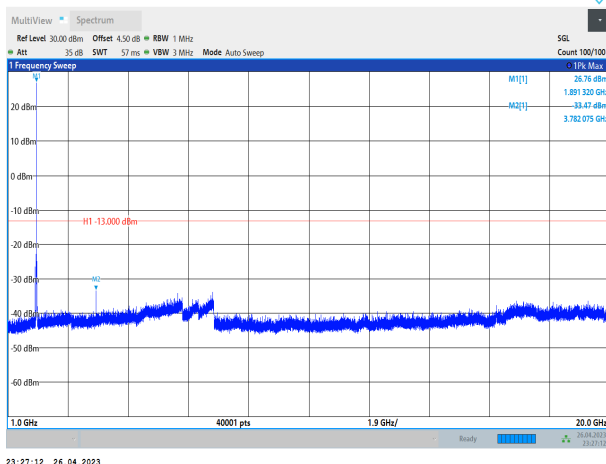
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE B2_ 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	61.21	-45.51	29.98	-49.58	-13.00	36.58	168	256	Horizontal
2	5553	53.00	-45.15	32.97	-54.44	-13.00	41.44	152	211	Horizontal
3	7404	51.17	-43.40	36.49	-51.00	-13.00	38.00	147	256	Horizontal
4	9255.4500	38.76	-40.23	38.38	-58.35	-13.00	45.35	203	270	Horizontal
5	11106.5400	33.94	-37.93	39.09	-60.16	-13.00	47.16	311	301	Horizontal
6	12957.6300	32.95	-37.24	39.79	-59.76	-13.00	46.76	288	256	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	56.96	-45.51	29.98	-53.83	-13.00	40.83	155	180	Vertical
2	5553	51.35	-45.15	32.97	-56.09	-13.00	43.09	168	2	Vertical
3	7404	46.06	-43.40	36.49	-56.11	-13.00	43.11	123	284	Vertical
4	9255.4500	47.50	-40.23	38.38	-49.61	-13.00	36.61	201	208	Vertical
5	11106.5400	33.74	-37.93	39.09	-60.36	-13.00	47.36	188	269	Vertical
6	12957.6300	33.77	-37.24	39.79	-58.94	-13.00	45.94	311	331	Vertical



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Test Band = LTE B2_ 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	59.06	-45.68	30.12	-51.76	-13.00	38.76	196	3	Horizontal
2	5613	55.08	-45.04	33.07	-52.15	-13.00	39.15	203	227	Horizontal
3	7484.25	51.46	-43.18	36.45	-50.53	-13.00	37.53	182	256	Horizontal
4	9355.4500	40.30	-40.00	38.46	-56.51	-13.00	43.51	312	256	Horizontal
5	11226.5400	34.19	-37.40	39.11	-59.36	-13.00	46.36	156	135	Horizontal
6	13097.6300	32.97	-37.01	39.87	-59.42	-13.00	46.42	199	242	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	52.58	-45.68	30.12	-58.24	-13.00	45.24	145	105	Vertical
2	5613	54.76	-45.04	33.07	-52.47	-13.00	39.47	203	3	Vertical
3	7484.25	46.64	-43.18	36.45	-55.35	-13.00	42.35	157	286	Vertical
4	9355.4500	44.68	-40.00	38.46	-52.13	-13.00	39.13	185	209	Vertical
5	11226.5400	34.11	-37.40	39.11	-59.44	-13.00	46.44	311	120	Vertical
6	13097.6300	32.82	-37.01	39.87	-59.57	-13.00	46.57	203	0	Vertical



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Test Band = LTE B2_ 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	59.26	-45.85	30.27	-51.58	-13.00	38.58	199	182	Horizontal
2	5673	55.75	-44.91	33.29	-51.13	-13.00	38.13	201	227	Horizontal
3	7564.3600	46.81	-43.00	36.41	-55.05	-13.00	42.05	256	258	Horizontal
4	9455.4500	36.50	-40.05	38.48	-60.34	-13.00	47.34	185	0	Horizontal
5	11346.5400	33.44	-37.40	39.11	-60.11	-13.00	47.11	310	168	Horizontal
6	13237.6300	31.95	-37.08	39.96	-60.42	-13.00	47.42	168	91	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	55.07	-45.85	30.27	-55.77	-13.00	42.77	195	272	Vertical
2	5673	56.70	-44.91	33.29	-50.18	-13.00	37.18	152	0	Vertical
3	7564.3600	43.96	-43.00	36.41	-57.90	-13.00	44.90	162	286	Vertical
4	9455.25	40.75	-40.05	38.48	-56.08	-13.00	43.08	102	46	Vertical
5	11346.5400	33.17	-37.40	39.11	-60.38	-13.00	47.38	189	227	Vertical
6	13237.6300	31.95	-37.08	39.96	-60.42	-13.00	47.42	301	0	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	-9.00	-0.004787	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-3.90	-0.002074	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-2.30	-0.001223	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-7.90	-0.004202	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-6.70	-0.003564	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-12.00	-0.006383	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-7.60	-0.004043	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-0.10	-0.000053	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-10.80	-0.005745	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-13.10	-0.006968	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-0.50	-0.000266	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-13.60	-0.007234	PASS

---End of Attachment---



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